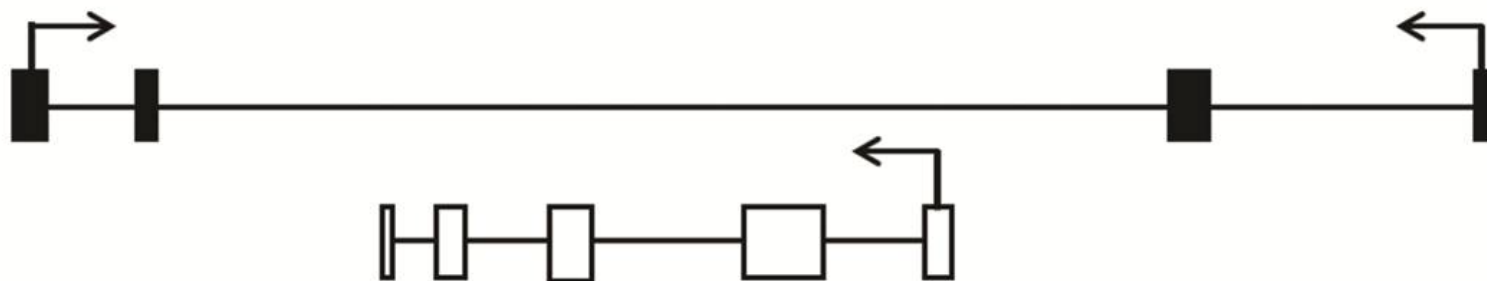
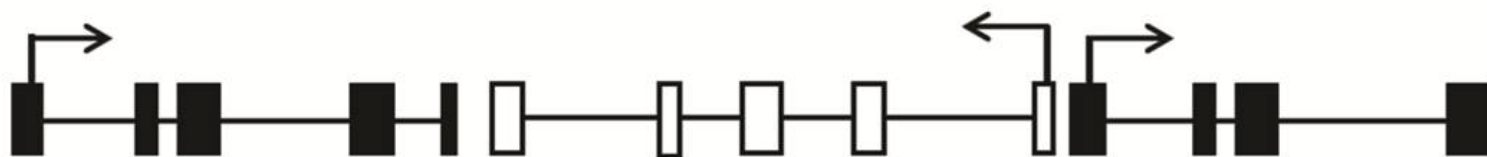


Fig. S1 The regulation mechanism to targets of three kinds of lncRNAs.

Intronic lncRNAs



LincRNAs



Antisense lncRNAs

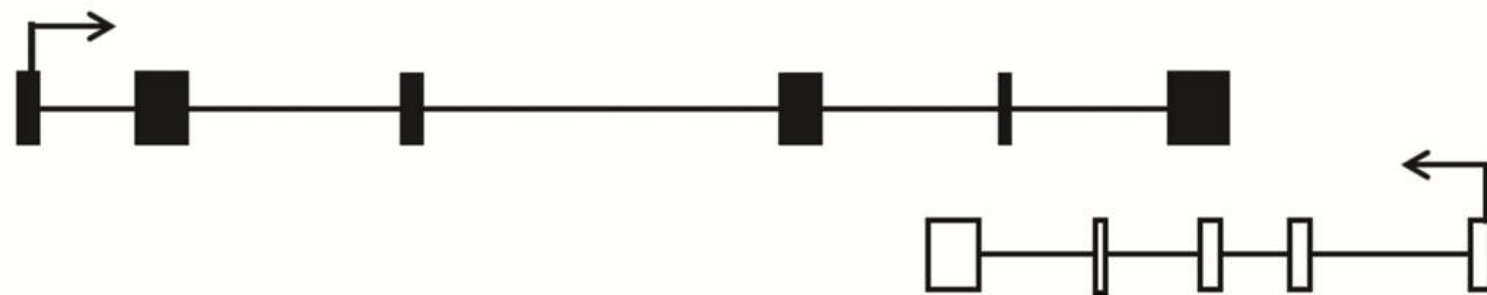


Fig. S2 The scatter dot plots according to the p value of lncRNAs.

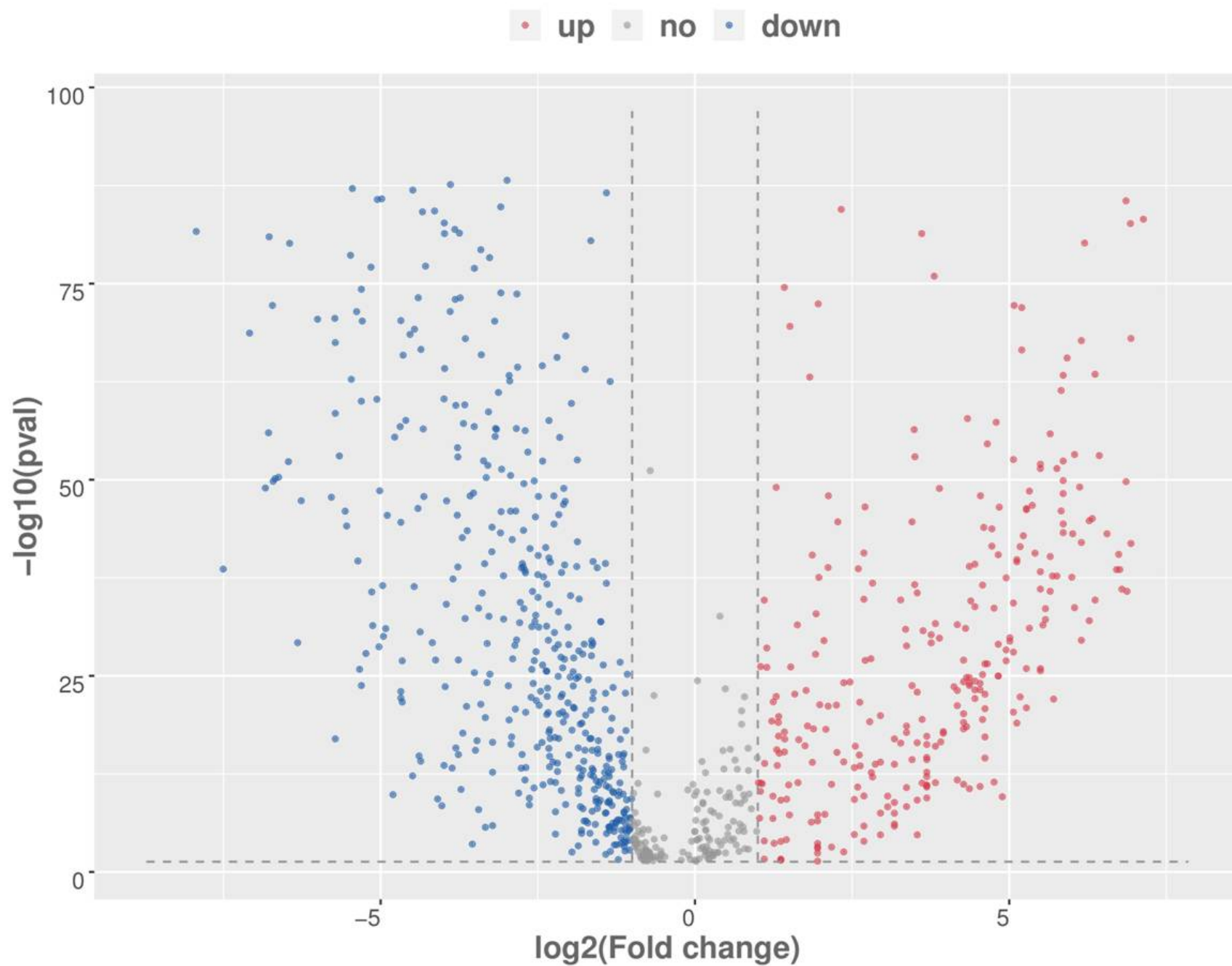


Fig. S3 The predicted interaction networks of 13 lncRNAs-target pairs.

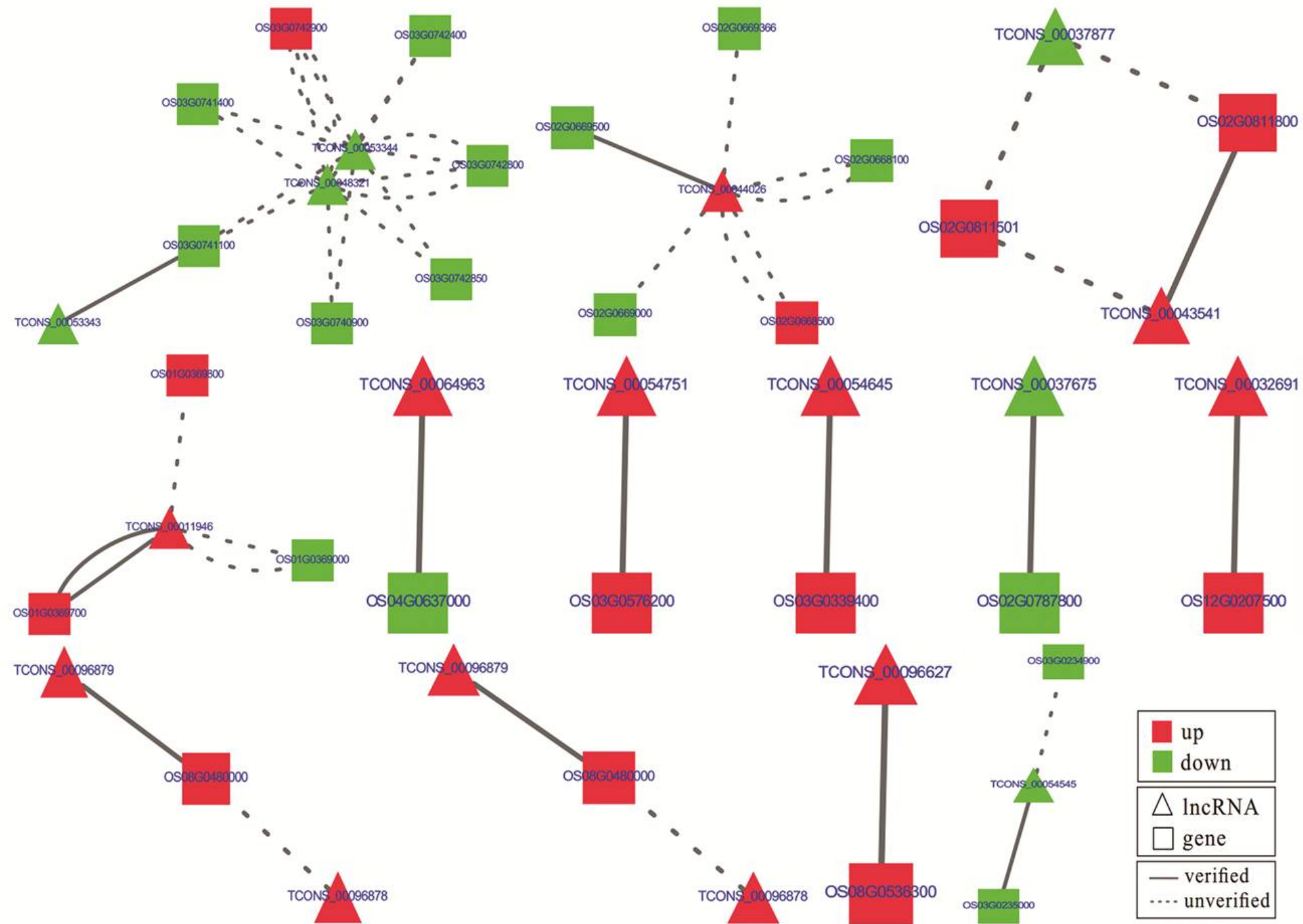


Table S1 Primers used in this study for qRT-PCR analysis.

LncRNAs/mRNAs	Primers	Primer sequences
LncRNAs		
TCONS_00043825	Forward (5'-3')	CCGAAGCCCAGTCCAAGA
	Reverse (5'-3')	GCCGAACCGTGAATACCG
TCONS_00032691	Forward (5'-3')	TCAACCCATCTGTAGCAC
	Reverse (5'-3')	GACACTGACGGTAAGCAA
TCONS_00064597	Forward (5'-3')	CTAATATCAGCAAACAGTCCCA
	Reverse (5'-3')	TATCAACCTTTCGTGTTTCAGTCG
TCONS_00054751	Forward (5'-3')	ACCTGTTTCGTCCCAGTGAGC
	Reverse (5'-3')	ATTACAAACCGCACGCATAGA
TCONS_00096627	Forward (5'-3')	TATCTGAAGGGGCAAATACTCTGA
	Reverse (5'-3')	GACTGGGTAGCATTGTTTTAGGG
TCONS_00054645	Forward (5'-3')	AGACGAGGCCGTCGAGGTT
	Reverse (5'-3')	GGCAATGGCATCGCTCACT
TCONS_00054417	Forward (5'-3')	GCATGAGATCACGACAGCTA
	Reverse (5'-3')	TCAGCCCCCTCTGTGACTCT
TCONS_00096879	Forward (5'-3')	TGGTTTGCTAAGCCGAGTGAC
	Reverse (5'-3')	GGATACCTGAATCCGCTGTGA
TCONS_00081726	Forward (5'-3')	AGGTGATTCCGTGATTGG
	Reverse (5'-3')	TCTGCTTGCTCGTCCTCC
TCONS_00064813	Forward (5'-3')	TGTAACCTCAAGCCTCAC
	Reverse (5'-3')	TATGTACTACCGATAACCT
mRNA targets		
OS03g0339400	Forward (5'-3')	GCGCCTGCACTTCCACGACTG
	Reverse (5'-3')	AGCCGCGGACGGAGTTCATGT
OS04g0470100	Forward (5'-3')	ACAGGGGTGGGCAAGTCGTGC
	Reverse (5'-3')	CCTGCCGTGTCCCAAATCTGG
OS02g0318100	Forward (5'-3')	GGCGTGGCGCCGACGAGGCT
	Reverse (5'-3')	TTGACCGTCCACCTGGCAAC
OS08g0480000	Forward (5'-3')	TCCAGCGGATCGCGCTGTAC
	Reverse (5'-3')	CCCAGCAGGAAACCGAAGTT
OS03g0764600	Forward (5'-3')	CTCGCCGACGTGATCGAGCT
	Reverse (5'-3')	CGTCGCTGCCGCGGCTGTCC
OS03g0741100	Forward (5'-3')	CATGTCCGGGAACAGGCTGT
	Reverse (5'-3')	CTGTCAGGCTGGTTCCTCTC
OS04g0637000	Forward (5'-3')	AGTCACGAGCAGTTCAAGGT
	Reverse (5'-3')	GCTTGCCTCCTGATCAACAT
OS02g0669500	Forward (5'-3')	CAACCCAACGTCGCCGTGGA
	Reverse (5'-3')	GCAGTGAGACTCTGGTGTTT

OS06g0683400	Forward (5'-3')	CGAGGACTACCTGCCGGTGA
	Reverse (5'-3')	CTGTCGAAGGTGATGAGCCC
OS02g0787800	Forward (5'-3')	GTGACAATTGTGCGGAGACC
	Reverse (5'-3')	GATGATACCTGTGGGTGGAA
<i>EF1-α</i>	Forward (5'-3')	ACAAGCTTGGAGGTATCGAC
	Reverse (5'-3')	CGCTCGGCCTTGAGCTTGTC

Table S2 Summary of detected lncRNAs in this study.

Chr.	Transcript_id	Gene_id	Start	End	Strai	Exo	Gene_name	Oid	Nearest_re	Clas	Tss_id	p-value
chr1	TCONS_00011729	XLOC_000058	377957	378340	+	1	DXR	CUFF.32.1	OS01T01069(i		TSS64	4.53E-16
chr1	TCONS_00011731	XLOC_000079	518620	519221	+	1	OS01G0109700	CUFF.50.1	OS01T01097(i		TSS86	5.592E-20
chr1	TCONS_00011733	XLOC_000097	649648	650224	+	1	OS01G0112500	CUFF.40.1	OS01T01125(i		TSS104	4.275E-06
chr1	TCONS_00011734	XLOC_000119	788618	788945	+	1	OS01G0114600	CUFF.38.1	OS01T01146(x		TSS131	4.127E-14
chr1	TCONS_00011748	XLOC_000213	1363482	1363764	+	1	OS01G0124600	CUFF.64.1	OS01T01246(x		TSS229	2.514E-28
chr1	TCONS_00000261	XLOC_000253	1676096	1676360	+	1	MTP7	CUFF.63.1	OS01T01300(i		TSS271	1.199E-06
chr1	TCONS_00011752	XLOC_000288	1960102	1960380	+	1	OS01G0136400	CUFF.97.1	OS01T01364(i		TSS308	1.739E-22
chr1	TCONS_00000351	XLOC_000337	2257505	2257712	+	1	NA	CUFF.77.1	NA	u	TSS360	0
chr1	TCONS_00011759	XLOC_000352	2352133	2352465	+	1	OS01G0143100	CUFF.108.1	OS01T01431(i		TSS377	4.127E-14
chr1	TCONS_00000483	XLOC_000469	3104531	3104857	+	1	OS01G0159300	CUFF.146.1	OS01T01593(i		TSS501	0.014741
chr1	TCONS_00000541	XLOC_000523	3483157	3483472	+	1	OS01G0168100	CUFF.124.1	OS01T01681(i		TSS556	5.289E-42
chr1	TCONS_00011773	XLOC_000525	3488605	3489041	+	1	NA	CUFF.154.1	NA	u	TSS558	7.048E-34
chr1	TCONS_00011777	XLOC_000558	3721512	3721718	+	1	OS01G0172300	CUFF.169.1	OS01T01723(i		TSS591	5.01E-43
chr1	TCONS_00011789	XLOC_000652	4460238	4460457	+	1	NA	CUFF.214.1	NA	u	TSS689	4.766E-28
chr1	TCONS_00011791	XLOC_000656	4468640	4468846	+	1	NA	CUFF.215.1	NA	u	TSS693	2.638E-18
chr1	TCONS_00000666	XLOC_000658	4471312	4471529	+	1	NA	CUFF.169.1	NA	u	TSS696	2.325E-27
chr1	TCONS_00000668	XLOC_000661	4473757	4474181	+	1	NA	CUFF.171.1	NA	u	TSS699	8.942E-30
chr1	TCONS_00011796	XLOC_000664	4481229	4481836	+	1	NA	CUFF.222.1	NA	u	TSS703	6.018E-07
chr1	TCONS_00000672	XLOC_000665	4481920	4482441	+	1	NA	CUFF.172.1	NA	u	TSS705	2.074E-19
chr1	TCONS_00000697	XLOC_000691	4625409	4625826	+	1	OS01G0186700	CUFF.194.1	OS01T01867(i		TSS733	1.233E-12
chr1	TCONS_00000698	XLOC_000692	4628180	4628429	+	1	OS01G0186700	CUFF.189.1	OS01T01867(x		TSS734	0
chr1	TCONS_00011800	XLOC_000693	4628815	4629022	+	1	OS01G0186700	CUFF.245.1	OS01T01867(i		TSS735	5.016E-18
chr1	TCONS_00011801	XLOC_000703	4699220	4699424	+	1	NA	CUFF.234.1	NA	u	TSS748	5.418E-30
chr1	TCONS_00011802	XLOC_000704	4699476	4699846	+	1	NA	CUFF.235.1	NA	u	TSS749	1.326E-28
chr1	TCONS_00011804	XLOC_000706	4714276	4714584	+	1	NA	CUFF.238.1	NA	u	TSS751	7.869E-14
chr1	TCONS_00000714	XLOC_000707	4717055	4717449	+	1	OS01G0187900	CUFF.191.1	OS01T01879(i		TSS752	9.09E-07
chr1	TCONS_00011808	XLOC_000756	5213006	5213219	+	1	NA	CUFF.263.1	NA	u	TSS807	1.739E-22
chr1	TCONS_00011812	XLOC_000768	5300397	5300607	+	1	NA	CUFF.270.1	NA	u	TSS819	2.02E-19
chr1	TCONS_00000782	XLOC_000774	5334346	5334547	+	1	OS01G0198200	CUFF.231.1	OS01T01982(i		TSS825	0
chr1	TCONS_00000811	XLOC_000804	5593228	5593496	+	1	OS01G0201900	CUFF.234.1	OS01T02019(i		TSS856	8.713E-12
chr1	TCONS_00000817	XLOC_000811	5668788	5669012	+	1	NA	CUFF.225.1	NA	u	TSS863	6.356E-67
chr1	TCONS_00011820	XLOC_000812	5669141	5669384	+	1	OS01G0203000	CUFF.290.1	OS01T02030(x		TSS864	0.0003675

chr1	TCONS_00011822	XLOC_000820	5703711	5704129	+	1	OS01G0203800	CUFF.302.1	OS01T02038(i	TSS872	0.022738	
chr1	TCONS_00011823	XLOC_000821	5704593	5704829	+	1	OS01G0203800	CUFF.304.1	OS01T02038(i	TSS873	1.815E-17	
chr1	TCONS_00011824	XLOC_000822	5705919	5706565	+	1	OS01G0203800	CUFF.310.1	OS01T02038(i	TSS874	6.57E-17	
chr1	TCONS_00011827	XLOC_000841	5838575	5838929	+	1	OS01G0207400	CUFF.294.1	OS01T02074(x	TSS893	0.31969	
chr1	TCONS_00000886	XLOC_000885	6187799	6188014	+	1	OS01G0213100	CUFF.240.1	OS01T02131(i	TSS937	1.336E-34	
chr1	TCONS_00011832	XLOC_000940	6574597	6574798	+	1	NA	CUFF.338.2	NA	u	TSS997	3.129E-15
chr1	TCONS_00000958	XLOC_000951	6624550	6624876	+	1	NA	CUFF.265.1	NA	u	TSS1008	1.477E-05
chr1	TCONS_00000971	XLOC_000967	6727123	6727325	+	1	OS01G0223200	CUFF.282.1	OS01T02232(x	TSS1024	0	
chr1	TCONS_00011837	XLOC_000969	6739304	6739547	+	1	NA	CUFF.350.1	NA	u	TSS1026	7.729E-23
chr1	TCONS_00011838	XLOC_000970	6739820	6740026	+	1	NA	CUFF.349.1	NA	u	TSS1027	0.005791
chr1	TCONS_00011840	XLOC_000976	6761882	6762183	+	1	NA	CUFF.353.1	NA	u	TSS1033	6.269E-37
chr1	TCONS_00000977	XLOC_000978	6764262	6764468	+	1	NA	CUFF.273.1	NA	u	TSS1035	3.908E-74
chr1	TCONS_00001023	XLOC_001024	7088339	7088573	+	1	OS01G0228300	CUFF.291.1	OS01T02283(i	TSS1085	7.708E-37	
chr1	TCONS_00011851	XLOC_001076	7442137	7442354	+	1	OS01G0234800	CUFF.399.1	OS01T02348(i	TSS1140	3.301E-22	
chr1	TCONS_00001110	XLOC_001106	7624260	7624524	+	1	OS01G0237750	CUFF.310.1	OS01T02377(x	TSS1171	0	
chr1	TCONS_00011854	XLOC_001107	7632478	7632689	+	1	NA	CUFF.401.1	NA	u	TSS1172	9.541E-18
chr1	TCONS_00011855	XLOC_001108	7639483	7639694	+	1	NA	CUFF.402.1	NA	u	TSS1173	9.158E-23
chr1	TCONS_00011856	XLOC_001122	7762059	7764092	+	1	NCRNA_1281	CUFF.427.1	NCRNA_128	x	TSS1188	8.188E-64
chr1	TCONS_00011861	XLOC_001173	8196933	8197133	+	1	EXPA8	CUFF.430.1	OS01T02489(x	TSS1242	8.061E-36	
chr1	TCONS_00001179	XLOC_001178	8256109	8256346	+	1	NA	CUFF.323.1	NA	u	TSS1247	3.855E-21
chr1	TCONS_00001197	XLOC_001193	8357330	8357600	+	1	NA	CUFF.329.1	NA	u	TSS1265	4.743E-05
chr1	TCONS_00001199	XLOC_001195	8373491	8373712	+	1	OS01G0253100	CUFF.331.1	OS01T02531(i	TSS1268	1.444E-33	
chr1	TCONS_00011864	XLOC_001200	8398154	8398404	+	1	RPA3	CUFF.439.1	OS01T02536(i	TSS1273	5.076E-11	
chr1	TCONS_00001214	XLOC_001208	8445516	8445719	+	1	OS01G0254200	CUFF.334.1	OS01T02542(i	TSS1281	0	
chr1	TCONS_00001231	XLOC_001225	8593415	8593840	+	1	OS01G0257400	CUFF.343.1	OS01T02574(x	TSS1298	0	
chr1	TCONS_00011867	XLOC_001250	8793891	8794142	+	1	NAC74	CUFF.483.1	OS01T02612(i	TSS1324	4.203E-26	
chr1	TCONS_00011868	XLOC_001256	8890034	8890340	+	1	OS01G0262600	CUFF.471.1	OS01T02626(i	TSS1332	2.216E-26	
chr1	TCONS_00001330	XLOC_001323	9326743	9326955	+	1	OS01G0270100	CUFF.377.1	OS01T02701(i	TSS1404	8.668E-12	
chr1	TCONS_00011880	XLOC_001363	9660150	9660819	+	1	RPL30	CUFF.523.1	OS01T02760(x	TSS1445	0.33997	
chr1	TCONS_00011884	XLOC_001372	9697937	9698461	+	1	OS01G0276700	CUFF.514.1	OS01T02767(i	TSS1455	9.239E-09	
chr1	TCONS_00011890	XLOC_001413	9937977	9938229	+	1	OS01G0280000	CUFF.524.1	OS01T02800(i	TSS1499	1.527E-35	
chr1	TCONS_00011891	XLOC_001446	10201824	10202029	+	1	OS01G0284900	CUFF.533.1	OS01T02849(i	TSS1532	2.529E-33	
chr1	TCONS_00011892	XLOC_001460	10321764	10321965	+	1	NA	CUFF.532.1	NA	u	TSS1547	1.527E-35
chr1	TCONS_00011894	XLOC_001467	10369491	10369975	+	1	OS01G0288200	CUFF.541.1	OS01T02882(x	TSS1554	7.959E-31	
chr1	TCONS_00011895	XLOC_001485	10498126	10498341	+	1	OS01G0290100	CUFF.556.1	OS01T02901(i	TSS1573	0.0001868	

chr1	TCONS_00011898	XLOC_001495	10563484	10563757	+	1	OS01G0291500	CUFF.566.1	OS01T02915(x	TSS1585	8.854E-77	
chr1	TCONS_00001517	XLOC_001514	10806861	10807495	+	1	OS01G0295700	CUFF.419.1	OS01T02957(x	TSS1607	2.281E-82	
chr1	TCONS_00011902	XLOC_001532	10981698	10981984	+	1	OS01G0299500	CUFF.577.1	OS01T02995(i	TSS1626	2.248E-36	
chr1	TCONS_00011907	XLOC_001561	11233592	11234271	+	1	OS01G0303600	CUFF.585.1	OS01T03036(x	TSS1656	3.453E-17	
chr1	TCONS_00001658	XLOC_001647	11909463	11909690	+	1	OS01G0315800	CUFF.464.1	OS01T03158(x	TSS1746	3.452E-10	
chr1	TCONS_00011915	XLOC_001725	12624771	12625004	+	1	NA	CUFF.628.1	NA	u	TSS1830	3.839E-19
chr1	TCONS_00001772	XLOC_001755	12921133	12921352	+	1	NA	CUFF.480.1	NA	u	TSS1861	9.688E-29
chr1	TCONS_00011920	XLOC_001782	13257801	13258222	+	1	OS01G0337600	CUFF.672.1	OS01T03376(i	TSS1889	7.205E-57	
chr1	TCONS_00001801	XLOC_001783	13259854	13260060	+	1	OS01G0337600	CUFF.510.1	OS01T03376(x	TSS1890	0	
chr1	TCONS_00001807	XLOC_001788	13287337	13287540	+	1	OS01G0338000	CUFF.498.1	OS01T03380(i	TSS1895	0	
chr1	TCONS_00011925	XLOC_001835	13637495	13637925	+	1	NA	CUFF.658.1	NA	u	TSS1942	3.839E-19
chr1	TCONS_00011926	XLOC_001836	13640673	13641048	+	1	NA	CUFF.659.1	NA	u	TSS1944	2.74E-48
chr1	TCONS_00011928	XLOC_001852	13837963	13838648	+	1	NA	CUFF.667.1	NA	u	TSS1960	2.343E-45
chr1	TCONS_00001912	XLOC_001893	14212583	14212784	+	1	NA	CUFF.521.1	NA	u	TSS2003	0
chr1	TCONS_00011932	XLOC_001905	14295492	14295893	+	1	OS01G0355500	CUFF.686.1	OS01T03555(i	TSS2015	5.418E-30	
chr1	TCONS_00011933	XLOC_001906	14296605	14297129	+	1	OS01G0355500	CUFF.689.1	OS01T03555(i	TSS2016	5.592E-20	
chr1	TCONS_00001929	XLOC_001915	14354102	14354535	+	1	OS01G0356400	CUFF.537.1	OS01T03564(i	TSS2026	1.979E-29	
chr1	TCONS_00011937	XLOC_001915	14353823	14354302	+	1	OS01G0356400	CUFF.706.1	OS01T03564(i	TSS2025	1.045E-19	
chr1	TCONS_00001930	XLOC_001916	14354657	14354886	+	1	OS01G0356400	CUFF.539.1	OS01T03564(i	TSS2027	3.765E-36	
chr1	TCONS_00011938	XLOC_001916	14354783	14355051	+	1	OS01G0356400	CUFF.708.1	OS01T03564(i	TSS2028	8.626E-16	
chr1	TCONS_00011946	XLOC_002014	15169865	15170400	+	1	NA	CUFF.724.1	NA	u	TSS2132	2.542E-23
chr1	TCONS_00011953	XLOC_002107	16220055	16220474	+	1	NA	CUFF.742.1	NA	u	TSS2228	1.959E-24
chr1	TCONS_00002135	XLOC_002115	16260944	16261152	+	1	NA	CUFF.576.1	NA	u	TSS2236	0
chr1	TCONS_00002139	XLOC_002120	16326575	16326818	+	1	OS01G0388000	CUFF.587.1	OS01T03880(i	TSS2241	5.262E-22	
chr1	TCONS_00011956	XLOC_002121	16346780	16347127	+	1	NA	CUFF.746.1	NA	u	TSS2242	2.956E-40
chr1	TCONS_00002194	XLOC_002176	17069005	17069223	+	1	OS01G0496900	CUFF.606.1	OS01T04969(x	TSS2300	3.488E-37	
chr1	TCONS_00011965	XLOC_002184	17211987	17212496	+	1	OS01G0499300	CUFF.800.1	OS01T04993(x	TSS2308	1.959E-24	
chr1	TCONS_00011974	XLOC_002221	17618971	17619302	+	1	OS01G0506200	CUFF.812.1	OS01T05062(i	TSS2346	9.234E-38	
chr1	TCONS_00002282	XLOC_002264	18091083	18091498	+	1	OS01G0513100	CUFF.633.1	OS01T05131(i	TSS2391	3.091E-19	
chr1	TCONS_00011975	XLOC_002265	18094150	18094558	+	1	NA	CUFF.825.1	NA	u	TSS2392	0.47313
chr1	TCONS_00002317	XLOC_002300	18417154	18417389	+	1	NA	CUFF.641.1	NA	u	TSS2431	2.603E-09
chr1	TCONS_00002319	XLOC_002303	18427044	18427275	+	1	NA	CUFF.640.1	NA	u	TSS2434	2.321E-32
chr1	TCONS_00011984	XLOC_002305	18431549	18431832	+	1	NA	CUFF.840.1	NA	u	TSS2436	4.293E-21
chr1	TCONS_00002353	XLOC_002347	18730092	18730294	+	1	NA	CUFF.661.1	NA	u	TSS2481	5.608E-86
chr1	TCONS_00002354	XLOC_002348	18730686	18730908	+	1	NA	CUFF.660.1	NA	u	TSS2482	2.768E-79

chr1	TCONS_00002371	XLOC_002365	18855106	18855332	+	1	OS01G0526200	CUFF.666.1	OS01T05262(i	TSS2499	9.344E-20
chr1	TCONS_00011998	XLOC_002375	18944500	18944721	+	1	NA	CUFF.877.1	NA	u	TSS2509 2.943E-20
chr1	TCONS_00002401	XLOC_002394	19104420	19104620	+	1	NA	CUFF.667.1	NA	u	TSS2529 0
chr1	TCONS_00002405	XLOC_002396	19114270	19114488	+	1	OS01G0531000	CUFF.675.1	OS01T05310(i	TSS2531	1.168E-41
chr1	TCONS_00002410	XLOC_002402	19181166	19181391	+	1	OS01G0532200	CUFF.686.1	OS01T05322(i	TSS2537	2.734E-35
chr1	TCONS_00012000	XLOC_002409	19258282	19258615	+	1	OS01G0533000	CUFF.894.1	OS01T05330(x	TSS2544	2.851E-38
chr1	TCONS_00002418	XLOC_002410	19261974	19262188	+	1	OS01G0533000	CUFF.685.1	OS01T05330(i	TSS2545	2.74E-16
chr1	TCONS_00002425	XLOC_002421	19316044	19316285	+	1	NA	CUFF.683.1	NA	u	TSS2556 0
chr1	TCONS_00002438	XLOC_002432	19404336	19404690	+	1	OS01G0534900	CUFF.702.1	OS01T05349(i	TSS2569	3.854E-21
chr1	TCONS_00002445	XLOC_002438	19472543	19472752	+	1	CIPK8	CUFF.690.1	OS01T05360(x	TSS2576	5.617E-52
chr1	TCONS_00002520	XLOC_002501	20467715	20467922	+	1	NA	CUFF.707.1	NA	u	TSS2648 2.306E-10
chr1	TCONS_00002570	XLOC_002548	20943608	20943825	+	1	OS01G0555300	CUFF.724.1	OS01T05553(i	TSS2700	1.049E-32
chr1	TCONS_00012018	XLOC_002567	21145982	21146186	+	1	RIC1	CUFF.963.1	OS01T05586(i	TSS2719	2.529E-33
chr1	TCONS_00002610	XLOC_002586	21263623	21263840	+	1	NCRNA_52546	CUFF.742.1	NCRNA_525·x	TSS2742	3.176E-77
chr1	TCONS_00012020	XLOC_002610	21623430	21623630	+	1	NA	CUFF.964.1	NA	u	TSS2767 1.387E-18
chr1	TCONS_00012023	XLOC_002615	21638711	21638961	+	1	NA	CUFF.968.1	NA	u	TSS2773 0.01177
chr1	TCONS_00002684	XLOC_002656	21927040	21927261	+	1	OS01G0571166	CUFF.768.1	OS01T05711(x	TSS2818	3.451E-32
chr1	TCONS_00012026	XLOC_002668	22023731	22024180	+	1	OS01G0572700	CUFF.994.1	OS01T05727(x	TSS2831	6.57E-17
chr1	TCONS_00012028	XLOC_002715	22498099	22498382	+	1	OS01G0580800	CUFF.1029	OS01T05808(i	TSS2880	1.233E-59
chr1	TCONS_00002759	XLOC_002726	22589310	22589608	+	1	NA	CUFF.787.1	NA	u	TSS2891 1.037E-48
chr1	TCONS_00002805	XLOC_002773	22956635	22956998	+	1	LOG	CUFF.808.1	OS01T05889(x	TSS2940	0.17233
chr1	TCONS_00002886	XLOC_002851	23748498	23748704	+	1	OS01G0603100	CUFF.831.1	OS01T06031(i	TSS3022	3.945E-21
chr1	TCONS_00012043	XLOC_002881	23948306	23948848	+	1	OS01G0607400	CUFF.1104	OS01T06074(i	TSS3054	1.388E-30
chr1	TCONS_00002916	XLOC_002882	23948909	23949135	+	1	OS01G0607400	CUFF.837.1	OS01T06074(i	TSS3055	4.042E-30
chr1	TCONS_00012046	XLOC_002890	24024284	24024585	+	1	NA	CUFF.1095	NA	u	TSS3064 2.838E-66
chr1	TCONS_00002925	XLOC_002892	24066610	24066810	+	1	PDR2	CUFF.840.1	OS01T06092(i	TSS3066	0
chr1	TCONS_00012047	XLOC_002900	24153159	24153364	+	1	OS01G0610500	CUFF.1108	OS01T06105(i	TSS3074	2.638E-18
chr1	TCONS_00002940	XLOC_002907	24241949	24242308	+	1	OS01G0611900	CUFF.852.1	OS01T06119(i	TSS3082	2.94E-50
chr1	TCONS_00002964	XLOC_002933	24390148	24390377	+	1	NCRNA_10318	CUFF.851.1	NCRNA_103 x	TSS3109	1.578E-37
chr1	TCONS_00012054	XLOC_002938	24399553	24399774	+	1	OS01G0615300	CUFF.1133	OS01T06153(x	TSS3114	3.453E-17
chr1	TCONS_00012056	XLOC_002943	24475773	24475979	+	1	OS01G0616400	CUFF.1124	OS01T06164(i	TSS3121	2.638E-18
chr1	TCONS_00002980	XLOC_002951	24503386	24503613	+	1	OS01G0616900	CUFF.861.1	OS01T06169(x	TSS3129	7.057E-33
chr1	TCONS_00002982	XLOC_002953	24537282	24537650	+	1	OS01G0617500	CUFF.868.1	OS01T06175(i	TSS3131	4.81E-71
chr1	TCONS_00002983	XLOC_002954	24542905	24543128	+	1	OS01G0617500	CUFF.869.1	OS01T06175(i	TSS3132	1.356E-15
chr1	TCONS_00012064	XLOC_002987	24814899	24815168	+	1	OS01G0622033	CUFF.1152	OS01T06220:i	TSS3168	4.359E-41

chr1	TCONS_00012068	XLOC_003019	25032570	25032819	+	1	OS01G0626900	CUFF.1173	OS01T06269(i	TSS3201	8.155E-21
chr1	TCONS_00012072	XLOC_003060	25417267	25417620	+	1	NA	CUFF.1181	NA	u	TSS3245 3.983E-06
chr1	TCONS_00003115	XLOC_003090	25643543	25644061	+	1	OS01G0639200	CUFF.903.1	OS01T06392(i	TSS3276	0.0013712
chr1	TCONS_00003127	XLOC_003103	25780753	25780978	+	1	OS01G0641700	CUFF.908.1	OS01T06417(x	TSS3290	1.696E-26
chr1	TCONS_00012081	XLOC_003134	26064374	26065425	+	1	OS01G0646700	CUFF.1212	OS01T06467(x	TSS3322	0.0929
chr1	TCONS_00012083	XLOC_003139	26080173	26080428	+	1	OS01G0647100	CUFF.1218	OS01T06471(x	TSS3329	1.959E-24
chr1	TCONS_00003170	XLOC_003144	26124265	26124499	+	1	AKT1	CUFF.922.1	OS01T06480(x	TSS3335	6.676E-08
chr1	TCONS_00012087	XLOC_003207	26703981	26704425	+	1	NA	CUFF.1708	NA	u	TSS3402 9.541E-18
chr1	TCONS_00012088	XLOC_003216	26770800	26771180	+	1	NA	CUFF.1711	NA	u	TSS3413 6.161E-27
chr1	TCONS_00012089	XLOC_003217	26779901	26780214	+	1	NA	CUFF.1714	NA	u	TSS3414 1.187E-36
chr1	TCONS_00012090	XLOC_003223	26804658	26805246	+	1	OS01G0658900	CUFF.1719	OS01T06589(i	TSS3420	1.815E-17
chr1	TCONS_00012092	XLOC_003248	27028483	27028888	+	1	NA	CUFF.1730	NA	u	TSS3445 6.268E-22
chr1	TCONS_00003298	XLOC_003268	27196576	27196802	+	1	NA	CUFF.953.1	NA	u	TSS3468 2.78E-40
chr1	TCONS_00012099	XLOC_003284	27310046	27310431	+	1	OS01G0667700	CUFF.1262	OS01T06677(i	TSS3485	1.033E-24
chr1	TCONS_00012102	XLOC_003317	27632999	27633226	+	1	OS01G0672800	CUFF.1256	OS01T06728(x	TSS3521	8.25E-41
chr1	TCONS_00003354	XLOC_003321	27662206	27662416	+	1	OS01G0673500	CUFF.983.1	OS01T06735(i	TSS3525	3.24E-71
chr1	TCONS_00012106	XLOC_003328	27677773	27677975	+	1	OS01G0673800	CUFF.1283	OS01T06738(x	TSS3532	1.387E-18
chr1	TCONS_00012107	XLOC_003329	27678380	27678922	+	1	OS01G0673800	CUFF.1280	OS01T06738(x	TSS3533	1.643E-15
chr1	TCONS_00012109	XLOC_003332	27684413	27684932	+	1	NA	CUFF.1255	NA	u	TSS3536 0.36989
chr1	TCONS_00003363	XLOC_003337	27698071	27698585	+	1	OS01G0674100	CUFF.994.1	OS01T06741(i	TSS3541	1.003E-14
chr1	TCONS_00012115	XLOC_003364	27920339	27920542	+	1	TPC1	CUFF.1285	OS01T06785(i	TSS3569	6.641E-47
chr1	TCONS_00012120	XLOC_003395	28091846	28092997	+	1	NA	CUFF.1308	NA	u	TSS3605 0.0001216
chr1	TCONS_00012121	XLOC_003398	28094224	28095753	+	1	NA	CUFF.1317	NA	u	TSS3610 2.863E-16
chr1	TCONS_00012122	XLOC_003399	28095979	28096411	+	1	NA	CUFF.1318	NA	u	TSS3612 3.301E-22
chr1	TCONS_00012123	XLOC_003403	28120924	28121408	+	1	NA	CUFF.1295	NA	u	TSS3616 1.685E-05
chr1	TCONS_00003479	XLOC_003453	28488201	28488499	+	1	OS01G0689900	CUFF.1075	OS01T06899(i	TSS3667	1.034E-68
chr1	TCONS_00003481	XLOC_003455	28490636	28491247	+	1	OS01G0689900	CUFF.1079	OS01T06899(i	TSS3669	0.19301
chr1	TCONS_00012129	XLOC_003456	28492137	28493807	+	1	OS01G0689900	CUFF.1372	OS01T06899(i	TSS3671	0.25339
chr1	TCONS_00012130	XLOC_003457	28494612	28495155	+	1	OS01G0689900	CUFF.1361	OS01T06899(i	TSS3674	3.51E-47
chr1	TCONS_00003494	XLOC_003467	28544263	28544561	+	1	OS01G0691500	CUFF.1044	OS01T06915(i	TSS3684	7.586E-88
chr1	TCONS_00012131	XLOC_003477	28582976	28583181	+	1	OS01G0692700	CUFF.1325	OS01T06927(x	TSS3695	1.19E-21
chr1	TCONS_00003506	XLOC_003478	28583628	28583851	+	1	OS01G0692700	CUFF.1051	OS01T06927(x	TSS3696	7.296E-43
chr1	TCONS_00003516	XLOC_003488	28686961	28687174	+	1	NA	CUFF.1039	NA	u	TSS3707 8.344E-52
chr1	TCONS_00012135	XLOC_003493	28692179	28692599	+	1	NA	CUFF.1331	NA	u	TSS3712 1.671E-50
chr1	TCONS_00003529	XLOC_003501	28753312	28753548	+	1	OS01G0695300	CUFF.1055	OS01T06953(x	TSS3722	2.741E-25

chr1	TCONS_00012145	XLOC_003516	28819950	28820540	+	1	NA	CUFF.1347 NA	u	TSS3738	1.307E-09
chr1	TCONS_00003543	XLOC_003520	28879124	28879325	+	1	NA	CUFF.1059 NA	u	TSS3742	0
chr1	TCONS_00003586	XLOC_003559	29216521	29216744	+	1	NA	CUFF.1072 NA	u	TSS3784	1.237E-35
chr1	TCONS_00012155	XLOC_003607	29588846	29589574	+	1	NA	CUFF.1394 NA	u	TSS3836	4.812E-09
chr1	TCONS_00012158	XLOC_003616	29653678	29653979	+	1	NA	CUFF.1402 NA	u	TSS3846	4.706E-07
chr1	TCONS_00012159	XLOC_003617	29654056	29654257	+	1	NA	CUFF.1403 NA	u	TSS3847	1.512E-25
chr1	TCONS_00003649	XLOC_003624	29658696	29658904	+	1	NA	CUFF.1109 NA	u	TSS3854	6.351E-74
chr1	TCONS_00012164	XLOC_003628	29662401	29662628	+	1	NA	CUFF.1418 NA	u	TSS3858	0.0027408
chr1	TCONS_00012166	XLOC_003630	29664051	29664253	+	1	NA	CUFF.1415 NA	u	TSS3861	6.268E-22
chr1	TCONS_00012172	XLOC_003636	29669016	29669225	+	1	NA	CUFF.1420 NA	u	TSS3869	1.947E-29
chr1	TCONS_00012173	XLOC_003637	29669827	29670120	+	1	NA	CUFF.1423 NA	u	TSS3870	1.027E-29
chr1	TCONS_00012189	XLOC_003755	30468122	30468327	+	1	NA	CUFF.1481 NA	u	TSS4003	5.418E-30
chr1	TCONS_00012198	XLOC_003826	30841564	30841936	+	1	NA	CUFF.1503 NA	u	TSS4081	2.956E-40
chr1	TCONS_00012199	XLOC_003828	30843414	30843694	+	1	NA	CUFF.1508 NA	u	TSS4084	1.739E-22
chr1	TCONS_00012202	XLOC_003844	30938212	30938965	+	1	NA	CUFF.1513 NA	u	TSS4100	0.0070722
chr1	TCONS_00012211	XLOC_003882	31128340	31128720	+	1	OS01G0744400	CUFF.1540 OS01T07444(x	u	TSS4141	1.859E-10
chr1	TCONS_00003927	XLOC_003906	31298391	31298621	+	1	NA	CUFF.1180 NA	u	TSS4167	6.037E-51
chr1	TCONS_00003961	XLOC_003939	31485436	31485684	+	1	NA	CUFF.1194 NA	u	TSS4201	8.252E-13
chr1	TCONS_00012219	XLOC_003951	31558069	31558350	+	1	NA	CUFF.1547 NA	u	TSS4214	3.547E-20
chr1	TCONS_00012221	XLOC_003959	31588455	31588722	+	1	OS01G0752800	CUFF.1567 OS01T07528(i	u	TSS4222	3.047E-45
chr1	TCONS_00012229	XLOC_003991	31741891	31742093	+	1	OS01G0756501	CUFF.1569 OS01T07565(i	u	TSS4256	2.943E-20
chr1	TCONS_00012230	XLOC_004013	31897608	31897810	+	1	NA	CUFF.1568 NA	u	TSS4279	6.173E-32
chr1	TCONS_00012235	XLOC_004045	32072453	32072729	+	1	OS01G0762400	CUFF.1584 OS01T07624(x	u	TSS4312	1.043E-12
chr1	TCONS_00012241	XLOC_004074	32185138	32185355	+	1	NA	CUFF.1588 NA	u	TSS4343	1.815E-17
chr1	TCONS_00012243	XLOC_004088	32301423	32301627	+	1	OS01G0766600	CUFF.1613 OS01T07666(i	u	TSS4357	1.19E-21
chr1	TCONS_00004101	XLOC_004093	32329139	32330019	+	1	NA	CUFF.1237 NA	u	TSS4363	1.414E-50
chr1	TCONS_00012247	XLOC_004093	32329806	32330322	+	1	NA	CUFF.1601 NA	u	TSS4364	0.0075314
chr1	TCONS_00004153	XLOC_004142	32600103	32600333	+	1	OS01G0772200	CUFF.1255 OS01T07722(i	u	TSS4417	6.676E-08
chr1	TCONS_00012256	XLOC_004164	32763393	32763624	+	1	OS01G0775100	CUFF.1642 OS01T07751(i	u	TSS4439	1.399E-06
chr1	TCONS_00004190	XLOC_004178	32855126	32855417	+	1	NA	CUFF.1275 NA	u	TSS4454	0.12416
chr1	TCONS_00004191	XLOC_004179	32856509	32857772	+	1	OS01G0776700	CUFF.1276 OS01T07767(x	u	TSS4455	6.698E-28
chr1	TCONS_00004251	XLOC_004235	33189169	33189415	+	1	OS01G0783200	CUFF.1293 OS01T07832(i	u	TSS4513	1.121E-17
chr1	TCONS_00012265	XLOC_004265	33369320	33369533	+	1	OS01G0786900	CUFF.1684 OS01T07869(i	u	TSS4544	6.701E-47
chr1	TCONS_00012267	XLOC_004282	33505314	33505992	+	1	NCRNA_47034	CUFF.1696 NCRNA_470:x	u	TSS4564	1.128E-10
chr1	TCONS_00004308	XLOC_004291	33534956	33535365	+	1	NA	CUFF.1374 NA	u	TSS4573	5.22E-71

chr1	TCONS_00004309	XLOC_004292	33535538	33538331	+	1	NCRNA_1517	CUFF.1374 NCRNA_151'x	TSS4574	1.592E-23
chr1	TCONS_00004310	XLOC_004293	33538473	33539059	+	1	NCRNA_1330	CUFF.1374 NCRNA_1330'x	TSS4575	1.447E-19
chr1	TCONS_00004311	XLOC_004294	33539321	33539647	+	1	NA	CUFF.1374 NA u	TSS4576	9.253E-11
chr1	TCONS_00004320	XLOC_004303	33582691	33583229	+	1	NA	CUFF.1315 NA u	TSS4585	0
chr1	TCONS_00004323	XLOC_004306	33584279	33585812	+	1	NA	CUFF.1317 NA u	TSS4588	2.616E-26
chr1	TCONS_00004325	XLOC_004308	33586381	33587558	+	1	NCRNA_34987	CUFF.1760 NCRNA_34987'x	TSS4591	0
chr1	TCONS_00012270	XLOC_004316	33613441	33613646	+	1	OS01G0793500	CUFF.1760 OS01T0793500'x	TSS4600	2.638E-18
chr1	TCONS_00004338	XLOC_004320	33652487	33652804	+	1	OS01G0794500	CUFF.1331 OS01T0794500'i	TSS4604	5.931E-42
chr1	TCONS_00004346	XLOC_004326	33663891	33664127	+	1	OS01G0794900	CUFF.1339 OS01T0794900'i	TSS4610	1.135E-31
chr1	TCONS_00012273	XLOC_004385	34004365	34004727	+	1	OS01G0802700	CUFF.1762 OS01T0802700'i	TSS4673	2.542E-23
chr1	TCONS_00004435	XLOC_004406	34163523	34163760	+	1	OS01G0805800	CUFF.1350 OS01T0805800'x	TSS4696	0
chr1	TCONS_00012276	XLOC_004424	34264509	34264891	+	1	NA	CUFF.1763 NA u	TSS4714	6.604E-06
chr1	TCONS_00012277	XLOC_004428	34298201	34298672	+	1	OS01G0807900	CUFF.1763 OS01T0807900'i	TSS4719	1.991E-12
chr1	TCONS_00012278	XLOC_004429	34298809	34299212	+	1	OS01G0807900	CUFF.1763 OS01T0807900'i	TSS4720	4.293E-21
chr1	TCONS_00012279	XLOC_004432	34310159	34310801	+	1	OS01G0808100	CUFF.1764 OS01T0808100'x	TSS4723	1.307E-09
chr1	TCONS_00004474	XLOC_004449	34449145	34449359	+	1	OS01G0810800	CUFF.1366 OS01T0810800'i	TSS4740	1.54E-48
chr1	TCONS_00012283	XLOC_004467	34558283	34558588	+	1	OS01G0812900	CUFF.1758 OS01T0812900'x	TSS4759	2.216E-26
chr1	TCONS_00012290	XLOC_004499	34745690	34745894	+	1	OS01G0816550	CUFF.1772 OS01T0816550'i	TSS4793	2.638E-18
chr1	TCONS_00004523	XLOC_004503	34771010	34771216	+	1	OS01G0817000	CUFF.1374 OS01T0817000'i	TSS4797	0
chr1	TCONS_00004525	XLOC_004505	34778885	34779090	+	1	OS01G0817100	CUFF.1373 OS01T0817100'i	TSS4799	0
chr1	TCONS_00004543	XLOC_004521	34874666	34875172	+	1	OS01G0818700	CUFF.1385 OS01T0818700'i	TSS4816	8.269E-55
chr1	TCONS_00012292	XLOC_004521	34874815	34875380	+	1	OS01G0818700	CUFF.1781 OS01T0818700'i	TSS4817	0.064141
chr1	TCONS_00004544	XLOC_004522	34875495	34875837	+	1	OS01G0818700	CUFF.1388 OS01T0818700'i	TSS4818	7.639E-16
chr1	TCONS_00012294	XLOC_004523	34877812	34878047	+	1	OS01G0818700	CUFF.1780 OS01T0818700'x	TSS4819	5.104E-61
chr1	TCONS_00012297	XLOC_004554	35092562	35092816	+	1	NA	CUFF.1784 NA u	TSS4851	0.01177
chr1	TCONS_00012299	XLOC_004556	35097789	35098100	+	1	OS01G0822200	CUFF.1792 OS01T0822200'x	TSS4853	1.61E-45
chr1	TCONS_00012301	XLOC_004566	35185190	35185584	+	1	NA	CUFF.1801 NA u	TSS4864	2.171E-10
chr1	TCONS_00012303	XLOC_004571	35203335	35203872	+	1	NA	CUFF.1795 NA u	TSS4870	1.033E-24
chr1	TCONS_00004609	XLOC_004592	35397652	35397892	+	1	OS01G0827200	CUFF.1398 OS01T0827200'i	TSS4893	4.981E-14
chr1	TCONS_00004645	XLOC_004631	35602737	35602980	+	1	OS01G0832000	CUFF.1406 OS01T0832000'i	TSS4933	9.195E-12
chr1	TCONS_00012313	XLOC_004657	35764750	35764962	+	1	NA	CUFF.1820 NA u	TSS4959	8.69E-09
chr1	TCONS_00004687	XLOC_004671	35869983	35870186	+	1	NA	CUFF.1419 NA u	TSS4976	3.815E-63
chr1	TCONS_00004688	XLOC_004672	35871293	35871502	+	1	OS01G0836800	CUFF.1425 OS01T0836800'x	TSS4977	0
chr1	TCONS_00004700	XLOC_004682	35917175	35917418	+	1	NA	CUFF.1429 NA u	TSS4987	1.439E-60
chr1	TCONS_00012318	XLOC_004688	35962413	35962732	+	1	NA	CUFF.1837 NA u	TSS4994	2.673E-53

chr1	TCONS_00012319	XLOC_004689	35963593	35963800	+	1	NA	CUFF.1830	NA	u	TSS4995	2.863E-13
chr1	TCONS_00004714	XLOC_004697	36019703	36019937	+	1	OS01G0839700	CUFF.1438	OS01T08397(x		TSS5003	8.942E-30
chr1	TCONS_00004716	XLOC_004699	36021934	36022146	+	1	OS01G0839700	CUFF.1441	OS01T08397(x		TSS5005	0
chr1	TCONS_00004717	XLOC_004700	36022514	36022882	+	1	OS01G0839700	CUFF.1443	OS01T08397(x		TSS5006	1.741E-80
chr1	TCONS_00012320	XLOC_004704	36084015	36084267	+	1	OS01G0840700	CUFF.1848	OS01T08407(x		TSS5010	0.01177
chr1	TCONS_00012327	XLOC_004737	36260944	36261324	+	1	OS01G0844400	CUFF.1861	OS01T08444(x		TSS5046	9.234E-38
chr1	TCONS_00012329	XLOC_004760	36399620	36399942	+	1	OS01G0847300	CUFF.1873	OS01T08473(i		TSS5071	8.155E-21
chr1	TCONS_00012339	XLOC_004840	37049039	37049292	+	1	OS01G0857400	CUFF.1906	OS01T08574(i		TSS5159	3.396E-42
chr1	TCONS_00012343	XLOC_004866	37185481	37185849	+	1	OS01G0859500	CUFF.1924	OS01T08595(i		TSS5186	0.051036
chr1	TCONS_00012347	XLOC_004899	37415445	37415647	+	1	OS01G0864566	CUFF.1917	OS01T08645(x		TSS5220	7.656E-49
chr1	TCONS_00012348	XLOC_004900	37418289	37418726	+	1	NA	CUFF.1911	NA	u	TSS5221	6.64E-12
chr1	TCONS_00012351	XLOC_004903	37422336	37422756	+	1	NA	CUFF.1916	NA	u	TSS5225	6.241E-30
chr1	TCONS_00012366	XLOC_004989	37905177	37905519	+	1	NA	CUFF.1971	NA	u	TSS5323	1.387E-18
chr1	TCONS_00012372	XLOC_005015	38087583	38088251	+	1	OS01G0877600	CUFF.2009	OS01T08776(i		TSS5351	6.161E-27
chr1	TCONS_00012376	XLOC_005063	38431367	38431775	+	1	NA	CUFF.2010	NA	u	TSS5404	1.044E-08
chr1	TCONS_00005097	XLOC_005064	38432156	38432364	+	1	NA	CUFF.1550	NA	u	TSS5405	0
chr1	TCONS_00005113	XLOC_005079	38519143	38519350	+	1	OS01G0886500	CUFF.1556	OS01T08865(i		TSS5421	5.528E-69
chr1	TCONS_00005125	XLOC_005092	38623177	38623393	+	1	NA	CUFF.1558	NA	u	TSS5434	6.785E-89
chr1	TCONS_00012382	XLOC_005132	38852790	38853332	+	1	NA	CUFF.2033	NA	u	TSS5476	9.077E-33
chr1	TCONS_00012391	XLOC_005162	39016822	39017368	+	1	NA	CUFF.2047	NA	u	TSS5506	1.863E-24
chr1	TCONS_00005188	XLOC_005163	39057387	39057996	+	1	OS01G0898300	CUFF.1583	OS01T08983(x		TSS5508	0
chr1	TCONS_00012401	XLOC_005242	39621898	39622133	+	1	OS01G0909500	CUFF.2090	OS01T09095(i		TSS5592	1.136E-14
chr1	TCONS_00012402	XLOC_005244	39627252	39627696	+	1	NA	CUFF.2079	NA	u	TSS5594	3.718E-24
chr1	TCONS_00012403	XLOC_005247	39631068	39631591	+	1	NA	CUFF.2081	NA	u	TSS5597	1.492E-18
chr1	TCONS_00012408	XLOC_005265	39708442	39708723	+	1	NA	CUFF.2086	NA	u	TSS5615	4.872E-05
chr1	TCONS_00012411	XLOC_005289	39885571	39885793	+	1	OS01G0915350	CUFF.2097	OS01T09153(i		TSS5640	1.643E-15
chr1	TCONS_00005312	XLOC_005292	39915991	39916224	+	1	OS01G0915800	CUFF.1614	OS01T09158(x		TSS5643	5.185E-37
chr1	TCONS_00012412	XLOC_005314	40063618	40063879	+	1	OS01G0918200	CUFF.2105	OS01T09182(x		TSS5665	8.061E-36
chr1	TCONS_00012413	XLOC_005315	40064081	40064328	+	1	NA	CUFF.2130	NA	u	TSS5666	5.104E-61
chr1	TCONS_00005344	XLOC_005327	40146449	40146676	+	1	NA	CUFF.1625	NA	u	TSS5678	3.698E-13
chr1	TCONS_00012418	XLOC_005333	40172381	40172685	+	1	OS01G0920200	CUFF.2112	OS01T09202(x		TSS5684	4.791E-33
chr1	TCONS_00012419	XLOC_005364	40352106	40352306	+	1	OS01G0922800	CUFF.2156	OS01T09228(i		TSS5717	1.508E-30
chr1	TCONS_00012426	XLOC_005396	40486870	40487691	+	1	NA	CUFF.2155	NA	u	TSS5756	4.761E-69
chr1	TCONS_00012429	XLOC_005409	40557539	40557746	+	1	NA	CUFF.2144	NA	u	TSS5773	3.414E-08
chr1	TCONS_00012431	XLOC_005416	40590408	40590711	+	1	NA	CUFF.2147	NA	u	TSS5780	4.132E-12

chr1	TCONS_00005443	XLOC_005421	40612675	40612913	+	1	OS01G0926300	CUFF.1672	OS01T09263(x	TSS5786	8.316E-26	
chr1	TCONS_00005445	XLOC_005424	40634592	40635052	+	1	OS01G0926700	CUFF.1666	OS01T09267(x	TSS5789	0	
chr1	TCONS_00012435	XLOC_005435	40677254	40677460	+	1	OS01G0927400	CUFF.2167	OS01T09274(i	TSS5801	1.091E-44	
chr1	TCONS_00005514	XLOC_005491	40972793	40973352	+	1	NA	CUFF.1682	NA	u	TSS5858	5.06E-59
chr1	TCONS_00012438	XLOC_005522	41121006	41121449	+	1	OS01G0936800	CUFF.2194	OS01T09368(i	TSS5893	1.512E-25	
chr1	TCONS_00005596	XLOC_005566	41397857	41398123	+	1	OS01G0942300	CUFF.1707	OS01T09423(x	TSS5940	2.918E-21	
chr1	TCONS_00005648	XLOC_005613	41727006	41727325	+	1	NA	CUFF.1714	NA	u	TSS5990	6.142E-40
chr1	TCONS_00005649	XLOC_005614	41727867	41728079	+	1	NA	CUFF.1715	NA	u	TSS5991	8.457E-80
chr1	TCONS_00005696	XLOC_005655	42001110	42001315	+	1	OS01G0953500	CUFF.1722	OS01T09535(x	TSS6036	0.0077427	
chr1	TCONS_00012452	XLOC_005664	42035876	42036084	+	1	NA	CUFF.2230	NA	u	TSS6045	5.016E-18
chr1	TCONS_00005721	XLOC_005684	42127373	42127647	+	1	NA	CUFF.1730	NA	u	TSS6066	2.943E-20
chr1	TCONS_00012460	XLOC_005724	42294474	42294725	+	1	NA	CUFF.2252	NA	u	TSS6108	3.301E-22
chr1	TCONS_00012463	XLOC_005745	42395132	42395610	+	1	OS01G0961600	CUFF.2277	OS01T09616(i	TSS6131	1.713E-27	
chr1	TCONS_00005784	XLOC_005747	42398028	42398233	+	1	OS01G0961600	CUFF.1751	OS01T09616(i	TSS6133	2.081E-66	
chr1	TCONS_00005790	XLOC_005752	42420566	42420786	+	1	OS01G0962400	CUFF.1752	OS01T09624(i	TSS6139	7.835E-22	
chr1	TCONS_00012465	XLOC_005758	42450478	42450701	+	1	OS01G0963300	CUFF.2281	OS01T09633(i	TSS6145	2.507E-09	
chr1	TCONS_00005825	XLOC_005788	42669454	42669703	+	1	NA	CUFF.1764	NA	u	TSS6176	2.056E-11
chr1	TCONS_00012469	XLOC_005805	42756718	42757017	+	1	NA	CUFF.2298	NA	u	TSS6196	7.297E-19
chr1	TCONS_00012473	XLOC_005839	43056914	43057120	+	1	NA	CUFF.2312	NA	u	TSS6234	1.388E-11
chr1	TCONS_00005890	XLOC_005850	43118813	43119018	+	1	NA	CUFF.1788	NA	u	TSS6246	0
chr1	TCONS_00012475	XLOC_005851	43126269	43127833	+	1	NA	CUFF.2322	NA	u	TSS6247	0.096853
chr1	TCONS_00005902	XLOC_005863	43210506	43210714	+	1	OS01G0977600	CUFF.1806	OS01T09776(i	TSS6260	0	
chr1	TCONS_00005927	XLOC_005887	144786	144986	-	1	NA	CUFF.3.1	NA	u	TSS6286	0
chr1	TCONS_00012478	XLOC_005888	152179	152505	-	1	NA	CUFF.4.1	NA	u	TSS6287	3.621E-10
chr1	TCONS_00012479	XLOC_005890	164234	164487	-	1	NA	CUFF.5.1	NA	u	TSS6289	3.129E-15
chr1	TCONS_00012480	XLOC_005901	268069	268378	-	1	OS01G0104800	CUFF.11.1	OS01T01048(x	TSS6301	2.146E-32	
chr1	TCONS_00005949	XLOC_005907	289876	290149	-	1	OS01G0105400	CUFF.13.1	OS01T01054(x	TSS6308	0	
chr1	TCONS_00012481	XLOC_005912	322135	322377	-	1	OS01G0106200	CUFF.12.1	OS01T01062(x	TSS6313	5.592E-20	
chr1	TCONS_00012486	XLOC_005932	479821	480023	-	1	OS01G0108600	CUFF.20.1	OS01T01086(i	TSS6333	1.339E-23	
chr1	TCONS_00012487	XLOC_005966	740901	741109	-	1	OS01G0113600	CUFF.45.1	OS01T01136(i	TSS6372	4.257E-36	
chr1	TCONS_00012491	XLOC_006038	1184352	1184621	-	1	OS01G0121100	CUFF.63.1	OS01T01211(x	TSS6447	0.01177	
chr1	TCONS_00012494	XLOC_006099	1611570	1611771	-	1	NA	CUFF.73.1	NA	u	TSS6509	1.508E-30
chr1	TCONS_00012496	XLOC_006113	1739728	1740150	-	1	OS01G0131300	CUFF.85.1	OS01T01313(x	TSS6524	0.36648	
chr1	TCONS_00006189	XLOC_006141	1904866	1905204	-	1	OS01G0134700	CUFF.90.1	OS01T01347(x	TSS6552	6.629E-65	
chr1	TCONS_00012500	XLOC_006212	2415731	2415931	-	1	NA	CUFF.107.1	NA	u	TSS6626	3.258E-32

chr1	TCONS_00012501	XLOC_006215	2481220	2481592	-	1	NA	CUFF.112.1NA	u	TSS6629	7.056E-24
chr1	TCONS_00006280	XLOC_006231	2608465	2608719	-	1	OS01G0148050	CUFF.92.1 OS01T0148050(i	i	TSS6645	1.049E-32
chr1	TCONS_00006281	XLOC_006232	2610842	2611044	-	1	OS01G0148050	CUFF.94.1 OS01T0148050(i	i	TSS6646	0
chr1	TCONS_00012505	XLOC_006264	2833621	2833861	-	1	OS01G0152600	CUFF.131.1OS01T0152600(x	x	TSS6679	7.972E-26
chr1	TCONS_00006431	XLOC_006376	3612192	3612397	-	1	OS01G0170100	CUFF.128.1OS01T0170100(x	x	TSS6799	1.484E-54
chr1	TCONS_00006504	XLOC_006437	4065917	4066144	-	1	OS01G0178200	CUFF.139.1OS01T0178200(x	x	TSS6869	1.05E-27
chr1	TCONS_00012516	XLOC_006452	4128738	4128946	-	1	NA	CUFF.192.1NA	u	TSS6886	1.063E-19
chr1	TCONS_00012519	XLOC_006456	4143213	4143425	-	1	NA	CUFF.194.1NA	u	TSS6890	1.361E-38
chr1	TCONS_00006522	XLOC_006458	4144505	4144777	-	1	OS01G0179500	CUFF.151.1OS01T0179500(x	x	TSS6894	0.0031947
chr1	TCONS_00012523	XLOC_006495	4380411	4380614	-	1	NA	CUFF.205.1NA	u	TSS6933	6.269E-37
chr1	TCONS_00012527	XLOC_006502	4387030	4387254	-	1	NA	CUFF.208.1NA	u	TSS6941	5.362E-08
chr1	TCONS_00006569	XLOC_006506	4393941	4394168	-	1	NA	CUFF.162.1NA	u	TSS6945	1.484E-54
chr1	TCONS_00006587	XLOC_006522	4529066	4529465	-	1	OS01G0185300	CUFF.182.1OS01T0185300(i	i	TSS6964	0.71128
chr1	TCONS_00012530	XLOC_006524	4534778	4535218	-	1	NA	CUFF.229.1NA	u	TSS6966	1.305E-51
chr1	TCONS_00012531	XLOC_006525	4539138	4539443	-	1	OS01G0185400	CUFF.231.1OS01T0185400(x	x	TSS6967	0
chr1	TCONS_00012532	XLOC_006526	4543511	4544361	-	1	OS01G0185500	CUFF.242.1OS01T0185500(i	i	TSS6968	3.847E-05
chr1	TCONS_00012534	XLOC_006544	4676082	4676557	-	1	OS01G0187400	CUFF.250.1OS01T0187400(i	i	TSS6988	2.863E-13
chr1	TCONS_00006665	XLOC_006591	5041405	5041617	-	1	NA	CUFF.209.1NA	u	TSS7038	1.496E-43
chr1	TCONS_00006681	XLOC_006605	5226362	5226581	-	1	NA	CUFF.216.1NA	u	TSS7053	3.192E-33
chr1	TCONS_00006707	XLOC_006629	5408762	5409057	-	1	OS01G0199900	CUFF.223.1OS01T0199900(i	i	TSS7080	2.753E-12
chr1	TCONS_00006721	XLOC_006644	5499449	5499707	-	1	NA	CUFF.222.1NA	u	TSS7095	3.765E-36
chr1	TCONS_00012542	XLOC_006698	5905480	5905710	-	1	OS01G0208700	CUFF.309.1OS01T0208700(i	i	TSS7153	0.01177
chr1	TCONS_00006808	XLOC_006732	6128544	6128785	-	1	OS01G0212100	CUFF.244.1OS01T0212100(i	i	TSS7188	7.74E-10
chr1	TCONS_00012548	XLOC_006733	6135337	6135721	-	1	OS01G0212400	CUFF.318.1OS01T0212400(i	i	TSS7189	1.387E-18
chr1	TCONS_00012549	XLOC_006737	6181463	6181690	-	1	NA	CUFF.307.1NA	u	TSS7193	2.248E-36
chr1	TCONS_00012556	XLOC_006767	6445076	6445390	-	1	NA	CUFF.319.1NA	u	TSS7224	0.11244
chr1	TCONS_00012559	XLOC_006771	6449467	6449839	-	1	NA	CUFF.320.1NA	u	TSS7230	4.293E-21
chr1	TCONS_00012563	XLOC_006797	6655770	6655975	-	1	NA	CUFF.341.1NA	u	TSS7258	2.638E-18
chr1	TCONS_00006884	XLOC_006809	6714063	6714291	-	1	OS01G0222800	CUFF.268.1OS01T0222800(x	x	TSS7272	2.58E-41
chr1	TCONS_00006929	XLOC_006851	7045302	7045523	-	1	OS01G0227300	CUFF.286.1OS01T0227300(i	i	TSS7315	1.05E-27
chr1	TCONS_00012571	XLOC_006883	7267966	7268441	-	1	OS01G0231500	CUFF.406.1OS01T0231500(i	i	TSS7348	1.136E-14
chr1	TCONS_00012575	XLOC_006891	7294745	7294946	-	1	NA	CUFF.379.1NA	u	TSS7356	6.268E-22
chr1	TCONS_00007028	XLOC_006950	7714444	7714666	-	1	OS01G0239100	CUFF.317.1OS01T0239100(x	x	TSS7423	2.144E-28
chr1	TCONS_00007083	XLOC_007005	8084542	8084922	-	1	OS01G0246700	CUFF.326.1OS01T0246700(x	x	TSS7479	0
chr1	TCONS_00012587	XLOC_007018	8161241	8161468	-	1	OS01G0248300	CUFF.423.1OS01T0248300(x	x	TSS7492	3.396E-42

chr1	TCONS_00007145	XLOC_007068	8489647	8489847	-	1	NA	CUFF.338.1NA	u	TSS7543	2.065E-44
chr1	TCONS_00012592	XLOC_007069	8504491	8504694	-	1	NA	CUFF.442.1NA	u	TSS7544	2.638E-18
chr1	TCONS_00007150	XLOC_007074	8541977	8542202	-	1	OS01G0256400	CUFF.336.1OS01T02564(i		TSS7549	4.042E-30
chr1	TCONS_00012596	XLOC_007110	8772239	8772725	-	1	OS01G0260800	CUFF.457.1OS01T02608(i		TSS7586	2.216E-26
chr1	TCONS_00007202	XLOC_007129	8947821	8948078	-	1	OS01G0263600	CUFF.355.1OS01T02636(i		TSS7606	2.943E-20
chr1	TCONS_00007208	XLOC_007135	8989937	8990175	-	1	OS01G0264500	CUFF.357.1OS01T02645(i		TSS7613	1.441E-28
chr1	TCONS_00007239	XLOC_007168	9250527	9250752	-	1	OS01G0268600	CUFF.373.1OS01T02686(i		TSS7649	1.611E-42
chr1	TCONS_00012606	XLOC_007171	9261469	9261815	-	1	NCRNA_35330	CUFF.494.1NCRNA_353:x		TSS7652	1.959E-24
chr1	TCONS_00007254	XLOC_007186	9389591	9389812	-	1	OS01G0271500	CUFF.378.1OS01T02715(i		TSS7667	4.56E-44
chr1	TCONS_00012610	XLOC_007198	9465588	9466756	-	1	NA	CUFF.496.1NA	u	TSS7680	0.000553
chr1	TCONS_00012617	XLOC_007252	9885962	9886169	-	1	NA	CUFF.508.1NA	u	TSS7740	1.063E-19
chr1	TCONS_00007327	XLOC_007256	9933301	9933525	-	1	OS01G0279900	CUFF.392.1OS01T02799(i		TSS7744	1.33E-29
chr1	TCONS_00012618	XLOC_007260	9973963	9974239	-	1	NCRNA_1217	CUFF.517.1NCRNA_121'x		TSS7748	7.187E-39
chr1	TCONS_00012619	XLOC_007274	10119910	10120183	-	1	OS01G0283100	CUFF.547.1OS01T02831(i		TSS7763	1.19E-21
chr1	TCONS_00007366	XLOC_007297	10313582	10313793	-	1	OS01G0286900	CUFF.410.1OS01T02869(x		TSS7786	0
chr1	TCONS_00012623	XLOC_007298	10313846	10314283	-	1	OS01G0286900	CUFF.540.1OS01T02869(x		TSS7787	1.043E-12
chr1	TCONS_00012625	XLOC_007312	10471158	10471366	-	1	OS01G0289600	CUFF.548.1OS01T02896(x		TSS7802	0.0012761
chr1	TCONS_00012629	XLOC_007334	10624800	10625054	-	1	OS01G0292200	CUFF.564.1OS01T02922(x		TSS7827	1.153E-72
chr1	TCONS_00012630	XLOC_007351	10823127	10823347	-	1	OS01G0296100	CUFF.580.1OS01T02961(i		TSS7845	4.766E-28
chr1	TCONS_00012636	XLOC_007374	11018643	11018845	-	1	NA	CUFF.572.1NA	u	TSS7868	1.326E-28
chr1	TCONS_00012638	XLOC_007387	11169800	11170001	-	1	NCRNA_35976	CUFF.584.1NCRNA_359'x		TSS7882	6.57E-17
chr1	TCONS_00007454	XLOC_007392	11195254	11195498	-	1	NA	CUFF.434.1NA	u	TSS7887	3.854E-21
chr1	TCONS_00012639	XLOC_007394	11213211	11213593	-	1	OS01G0303200	CUFF.586.1OS01T03032(x		TSS7889	2.859E-30
chr1	TCONS_00007468	XLOC_007407	11317613	11318652	-	1	OS01G0305300	CUFF.447.1OS01T03053(x		TSS7902	1.839E-35
chr1	TCONS_00012648	XLOC_007509	12267759	12267959	-	1	OS01G0321800	CUFF.624.1OS01T03218(i		TSS8007	1.512E-25
chr1	TCONS_00007587	XLOC_007528	12396049	12396412	-	1	NA	CUFF.469.1NA	u	TSS8027	2.862E-09
chr1	TCONS_00007588	XLOC_007529	12397108	12397330	-	1	NA	CUFF.468.1NA	u	TSS8028	1.837E-16
chr1	TCONS_00012652	XLOC_007542	12566015	12566293	-	1	OS01G0327100	CUFF.634.1OS01T03271(x		TSS8042	3.31E-37
chr1	TCONS_00007602	XLOC_007543	12566915	12567124	-	1	OS01G0327100	CUFF.479.1OS01T03271(x		TSS8043	6.529E-34
chr1	TCONS_00007624	XLOC_007566	12752857	12753244	-	1	NA	CUFF.483.1NA	u	TSS8067	0
chr1	TCONS_00007665	XLOC_007601	13239767	13239976	-	1	OS01G0337500	CUFF.492.1OS01T03375(i		TSS8108	0
chr1	TCONS_00007673	XLOC_007606	13267380	13267719	-	1	OS01G0337700	CUFF.490.1OS01T03377(x		TSS8114	1.979E-29
chr1	TCONS_00007676	XLOC_007608	13303547	13303747	-	1	OS01G0338200	CUFF.503.1OS01T03382(i		TSS8117	2.182E-71
chr1	TCONS_00007677	XLOC_007609	13307139	13307375	-	1	NA	CUFF.493.1NA	u	TSS8118	2.741E-25
chr1	TCONS_00012658	XLOC_007630	13501317	13501517	-	1	OS01G0341750	CUFF.669.1OS01T03417'i		TSS8139	6.994E-29

chr1	TCONS_00007759	XLOC_007691	14016154	14016399	-	1	OS01G0350900	CUFF.533.1	OS01T03509(i	TSS8205	1.121E-17
chr1	TCONS_00007792	XLOC_007726	14306828	14307466	-	1	NA	CUFF.523.1	NA	u	TSS8241 7.692E-05
chr1	TCONS_00012667	XLOC_007726	14306674	14307125	-	1	NA	CUFF.683.1	NA	u	TSS8240 3.748E-52
chr1	TCONS_00012668	XLOC_007726	14307413	14307622	-	1	NA	CUFF.682.1	NA	u	TSS8242 0.005791
chr1	TCONS_00007793	XLOC_007727	14307735	14308137	-	1	NA	CUFF.524.1	NA	u	TSS8243 6.775E-44
chr1	TCONS_00012670	XLOC_007784	14801232	14801498	-	1	OS01G0363500	CUFF.714.1	OS01T03635(i	TSS8302	3.301E-22
chr1	TCONS_00007881	XLOC_007806	15065461	15065673	-	1	OS01G0367700	CUFF.553.1	OS01T03677(i	TSS8326	1.279E-73
chr1	TCONS_00007894	XLOC_007819	15164805	15165039	-	1	OS01G0369600	CUFF.552.1	OS01T03696(i	TSS8340	2.178E-23
chr1	TCONS_00012675	XLOC_007902	16050134	16050459	-	1	OS01G0383700	CUFF.779.1	OS01T03837(i	TSS8423	6.222E-68
chr1	TCONS_00012676	XLOC_007903	16051199	16051805	-	1	OS01G0383700	CUFF.791.1	OS01T03837(i	TSS8424	5.463E-13
chr1	TCONS_00012677	XLOC_007904	16055178	16055673	-	1	OS01G0383700	CUFF.770.1	OS01T03837(i	TSS8425	1.615E-58
chr1	TCONS_00007995	XLOC_007921	16227795	16228012	-	1	OS01G0386600	CUFF.575.1	OS01T03866(x	TSS8443	7E-60
chr1	TCONS_00007997	XLOC_007923	16232737	16232959	-	1	OS01G0386700	CUFF.577.1	OS01T03867(i	TSS8445	0
chr1	TCONS_00007998	XLOC_007924	16234755	16234974	-	1	NA	CUFF.574.1	NA	u	TSS8446 6.863E-19
chr1	TCONS_00012679	XLOC_007940	16368054	16368279	-	1	NA	CUFF.747.1	NA	u	TSS8462 0.0001868
chr1	TCONS_00008015	XLOC_007944	16378925	16379422	-	1	NA	CUFF.579.1	NA	u	TSS8466 0.0006636
chr1	TCONS_00008017	XLOC_007946	16381049	16381786	-	1	NA	CUFF.592.1	NA	u	TSS8468 0.26713
chr1	TCONS_00012687	XLOC_007952	16387659	16388065	-	1	OS01G0388500	CUFF.759.1	OS01T03885(i	TSS8476	3.414E-08
chr1	TCONS_00012688	XLOC_007953	16389528	16389809	-	1	NA	CUFF.768.1	NA	u	TSS8477 3.249E-27
chr1	TCONS_00008030	XLOC_007960	16490248	16490608	-	1	OS01G0390400	CUFF.600.1	OS01T03904(i	TSS8489	1.842E-25
chr1	TCONS_00012692	XLOC_007962	16498956	16499214	-	1	OS01G0390600	CUFF.766.1	OS01T03906(i	TSS8491	4.766E-28
chr1	TCONS_00012693	XLOC_007970	16595515	16595886	-	1	OS01G0391500	CUFF.767.1	OS01T03915(x	TSS8501	7.264E-12
chr1	TCONS_00012694	XLOC_007977	16694354	16694641	-	1	OS01G0392600	CUFF.802.1	OS01T03926(i	TSS8510	1.051E-25
chr1	TCONS_00012698	XLOC_008012	17151804	17152462	-	1	NA	CUFF.778.1	NA	u	TSS8546 6.743E-13
chr1	TCONS_00008085	XLOC_008014	17153759	17153982	-	1	NA	CUFF.602.1	NA	u	TSS8550 4.743E-05
chr1	TCONS_00012700	XLOC_008017	17179336	17179953	-	1	OS01G0498802	CUFF.789.1	OS01T04988(x	TSS8553	3.694E-20
chr1	TCONS_00012705	XLOC_008023	17197183	17197452	-	1	NA	CUFF.785.1	NA	u	TSS8559 2.529E-33
chr1	TCONS_00008090	XLOC_008024	17200556	17200757	-	1	NA	CUFF.608.1	NA	u	TSS8560 0
chr1	TCONS_00008104	XLOC_008038	17303826	17304061	-	1	OS01G0500825	CUFF.615.1	OS01T05008(x	TSS8575	2.272E-18
chr1	TCONS_00012707	XLOC_008039	17304517	17304938	-	1	OS01G0500825	CUFF.804.1	OS01T05008(i	TSS8576	1.307E-09
chr1	TCONS_00008151	XLOC_008077	17683043	17683395	-	1	OS01G0507000	CUFF.621.1	OS01T05070(x	TSS8616	1.144E-07
chr1	TCONS_00012709	XLOC_008078	17685286	17685524	-	1	NCRNA_8535	CUFF.805.1	NCRNA_853(x	TSS8617	6.994E-29
chr1	TCONS_00012711	XLOC_008086	17751646	17751863	-	1	OS01G0507900	CUFF.808.1	OS01T05079(x	TSS8625	3.405E-06
chr1	TCONS_00008170	XLOC_008099	17908451	17909424	-	1	MEK1	CUFF.650.1	OS01T05101(i	TSS8638	5.813E-33
chr1	TCONS_00008175	XLOC_008105	17937767	17938008	-	1	NA	CUFF.622.1	NA	u	TSS8645 8.551E-21

chr1	TCONS_00012717	XLOC_008146	18164880	18165250	-	1	OS01G0514300	CUFF.839.1	OS01T051430(i	TSS8691	1.136E-14
chr1	TCONS_00012726	XLOC_008202	18628465	18628784	-	1	NA	CUFF.856.1	NA	u	TSS8750 4.67E-51
chr1	TCONS_00008272	XLOC_008203	18629179	18629530	-	1	NA	CUFF.651.1	NA	u	TSS8751 3.33E-46
chr1	TCONS_00008274	XLOC_008205	18631264	18631502	-	1	NA	CUFF.653.1	NA	u	TSS8753 5.052E-48
chr1	TCONS_00012728	XLOC_008207	18643485	18643690	-	1	NA	CUFF.858.1	NA	u	TSS8755 2.638E-18
chr1	TCONS_00012730	XLOC_008214	18688273	18688511	-	1	NA	CUFF.868.1	NA	u	TSS8762 1.931E-13
chr1	TCONS_00012732	XLOC_008219	18772569	18772923	-	1	OS01G0524700	CUFF.881.1	OS01T05247(i	TSS8767	4.293E-21
chr1	TCONS_00012733	XLOC_008235	18937872	18938193	-	1	OS01G0527400	CUFF.888.1	OS01T05274(i	TSS8783	2.514E-28
chr1	TCONS_00008306	XLOC_008244	19010746	19011003	-	1	OS01G0528800	CUFF.672.1	OS01T05288(i	TSS8792	9.642E-50
chr1	TCONS_00012736	XLOC_008251	19088089	19088290	-	1	OS01G0530366	CUFF.884.1	OS01T05303(x	TSS8799	1.527E-35
chr1	TCONS_00008354	XLOC_008293	19352661	19352872	-	1	OS01G0533900	CUFF.689.1	OS01T05339(x	TSS8842	1.578E-37
chr1	TCONS_00012739	XLOC_008301	19439472	19439673	-	1	NA	CUFF.899.1	NA	u	TSS8850 3.311E-37
chr1	TCONS_00008382	XLOC_008321	19685173	19685465	-	1	OS01G0538000	CUFF.700.1	OS01T05380(i	TSS8870	0
chr1	TCONS_00008412	XLOC_008350	20033654	20034161	-	1	NA	CUFF.699.1	NA	u	TSS8899 7.27E-25
chr1	TCONS_00012740	XLOC_008382	20325226	20325463	-	1	OS01G0546900	CUFF.919.1	OS01T05469(i	TSS8931	6.268E-22
chr1	TCONS_00012741	XLOC_008384	20333018	20333358	-	1	OS01G0547000	CUFF.920.1	OS01T05470(x	TSS8933	8.155E-21
chr1	TCONS_00012747	XLOC_008445	20850155	20850611	-	1	NA	CUFF.936.1	NA	u	TSS8999 2.303E-41
chr1	TCONS_00012750	XLOC_008448	20856441	20856939	-	1	NA	CUFF.938.1	NA	u	TSS9002 1.19E-21
chr1	TCONS_00012755	XLOC_008477	21121360	21121626	-	1	OS01G0558200	CUFF.949.1	OS01T05582(x	TSS9031	1.033E-24
chr1	TCONS_00008548	XLOC_008484	21162802	21163145	-	1	NA	CUFF.732.1	NA	u	TSS9040 1.827E-30
chr1	TCONS_00008549	XLOC_008485	21163736	21163965	-	1	NA	CUFF.731.1	NA	u	TSS9041 6.604E-06
chr1	TCONS_00008553	XLOC_008491	21177814	21178032	-	1	OS01G0559100	CUFF.738.1	OS01T05591(x	TSS9048	3.935E-46
chr1	TCONS_00008558	XLOC_008497	21243305	21243640	-	1	NA	CUFF.739.1	NA	u	TSS9054 6.15E-12
chr1	TCONS_00012762	XLOC_008510	21387462	21387667	-	1	OS01G0562400	CUFF.966.1	OS01T05624(i	TSS9067	5.961E-15
chr1	TCONS_00008574	XLOC_008513	21417321	21417534	-	1	OS01G0563000	CUFF.756.1	OS01T05630(i	TSS9070	2.128E-49
chr1	TCONS_00008636	XLOC_008565	21893363	21894011	-	1	NA	CUFF.757.1	NA	u	TSS9132 0.0001622
chr1	TCONS_00012765	XLOC_008567	21896064	21896711	-	1	CARB	CUFF.987.1	OS01T05707(x	TSS9134	0
chr1	TCONS_00008647	XLOC_008574	21936320	21936562	-	1	NA	CUFF.763.1	NA	u	TSS9143 2.588E-21
chr1	TCONS_00008674	XLOC_008600	22085605	22085814	-	1	FTSH5	CUFF.774.1	OS01T05745(x	TSS9170	7.86E-42
chr1	TCONS_00008713	XLOC_008638	22379800	22380065	-	1	OS01G0578700	CUFF.778.1	OS01T05787(i	TSS9208	4.606E-19
chr1	TCONS_00012772	XLOC_008679	22676696	22677065	-	1	OS01G0584032	CUFF.1028	OS01T05840(i	TSS9251	9.712E-11
chr1	TCONS_00012775	XLOC_008684	22716379	22716617	-	1	NA	CUFF.1012	NA	u	TSS9256 4.824E-23
chr1	TCONS_00012782	XLOC_008694	22723941	22724675	-	1	NA	CUFF.1025	NA	u	TSS9266 8.626E-16
chr1	TCONS_00008764	XLOC_008699	22727184	22727390	-	1	OS01G0584800	CUFF.798.1	OS01T05848(i	TSS9271	0
chr1	TCONS_00012785	XLOC_008701	22744959	22745448	-	1	OS01G0585100	CUFF.1037	OS01T05851(i	TSS9273	7.048E-34

chr1	TCONS_00012789	XLOC_008708	22776111	22776580	-	1	NA	CUFF.1035 NA	u	TSS9281	1.326E-28
chr1	TCONS_00012793	XLOC_008721	22905790	22906047	-	1	NA	CUFF.1042 NA	u	TSS9295	3.907E-44
chr1	TCONS_00012794	XLOC_008722	22907736	22907978	-	1	OS01G0588100	CUFF.1045 OS01T05881(x		TSS9296	3.995E-62
chr1	TCONS_00012802	XLOC_008762	23198667	23198867	-	1	NA	CUFF.1060 NA	u	TSS9336	7.056E-24
chr1	TCONS_00008820	XLOC_008767	23203733	23203940	-	1	NA	CUFF.814.1NA	u	TSS9341	6.217E-73
chr1	TCONS_00012808	XLOC_008769	23205389	23205618	-	1	NCRNA_5462	CUFF.1069 NCRNA_546(x		TSS9343	1.501E-13
chr1	TCONS_00012812	XLOC_008790	23337349	23337567	-	1	NA	CUFF.1079 NA	u	TSS9364	6.268E-22
chr1	TCONS_00012818	XLOC_008900	24256713	24257300	-	1	OS01G0612200	CUFF.1114 OS01T06122(i		TSS9479	3.839E-19
chr1	TCONS_00012819	XLOC_008904	24278565	24278832	-	1	OS01G0612500	CUFF.1110 OS01T06125(i		TSS9483	3.249E-27
chr1	TCONS_00008966	XLOC_008914	24317069	24317304	-	1	OS01G0612900	CUFF.849.1OS01T06129(x		TSS9493	0
chr1	TCONS_00012821	XLOC_008926	24378687	24378890	-	1	OS01G0614700	CUFF.1120 OS01T06147(x		TSS9507	2.638E-18
chr1	TCONS_00009022	XLOC_008964	24615786	24616036	-	1	NCRNA_1580	CUFF.879.1NCRNA_158(x		TSS9548	0
chr1	TCONS_00012825	XLOC_008988	24793405	24793636	-	1	OS01G0621700	CUFF.1146 OS01T06217(i		TSS9572	1.527E-35
chr1	TCONS_00012826	XLOC_008990	24809584	24809864	-	1	OS01G0621900	CUFF.1167 OS01T06219(i		TSS9574	1.339E-23
chr1	TCONS_00012827	XLOC_009008	24937723	24937955	-	1	NA	CUFF.1155 NA	u	TSS9592	6.673E-21
chr1	TCONS_00009084	XLOC_009029	25002554	25002785	-	1	OS01G0626200	CUFF.1170 OS01T06262(x		TSS9615	1.066E-57
chr1	TCONS_00012839	XLOC_009039	25042432	25042633	-	1	OS01G0627400	CUFF.1176 OS01T06274(x		TSS9628	1.387E-18
chr1	TCONS_00009101	XLOC_009047	25134287	25134527	-	1	OS01G0629400	CUFF.896.1OS01T06294(i		TSS9636	1.561E-32
chr1	TCONS_00009102	XLOC_009048	25135801	25136115	-	1	OS01G0629400	CUFF.894.1OS01T06294(x		TSS9637	1.772E-74
chr1	TCONS_00009119	XLOC_009066	25320366	25320583	-	1	NA	CUFF.892.1NA	u	TSS9655	1.864E-79
chr1	TCONS_00012844	XLOC_009073	25354321	25354896	-	1	OS01G0633100	CUFF.1185 OS01T06331(i		TSS9662	2.638E-18
chr1	TCONS_00009162	XLOC_009113	25701048	25701469	-	1	OS01G0639900	CUFF.931.1OS01T06399(i		TSS9702	0
chr1	TCONS_00012849	XLOC_009128	25790891	25791351	-	1	OS01G0641800	CUFF.1202 OS01T06418(x		TSS9717	8.847E-32
chr1	TCONS_00012850	XLOC_009162	26109445	26109719	-	1	OS01G0647700	CUFF.1209 OS01T06477(x		TSS9755	3.129E-15
chr1	TCONS_00009213	XLOC_009163	26110256	26110478	-	1	OS01G0647700	CUFF.918.1OS01T06477(x		TSS9756	8.942E-30
chr1	TCONS_00012852	XLOC_009174	26187412	26187734	-	1	OS01G0649000	CUFF.1213 OS01T06490(i		TSS9767	9.09E-07
chr1	TCONS_00012853	XLOC_009177	26198187	26198391	-	1	NA	CUFF.1210 NA	u	TSS9770	1.388E-11
chr1	TCONS_00012855	XLOC_009188	26251977	26252345	-	1	OS01G0650200	CUFF.1229 OS01T06502(i		TSS9782	3.926E-12
chr1	TCONS_00012856	XLOC_009189	26265524	26265886	-	1	OS01G0650200	CUFF.1231 OS01T06502(i		TSS9783	1.25E-16
chr1	TCONS_00012857	XLOC_009190	26269726	26269927	-	1	OS01G0650200	CUFF.1232 OS01T06502(i		TSS9784	7.187E-39
chr1	TCONS_00009274	XLOC_009223	26515847	26516047	-	1	OS01G0654100	CUFF.934.1OS01T06541(x		TSS9820	7.665E-20
chr1	TCONS_00012859	XLOC_009224	26516687	26516933	-	1	OS01G0654100	CUFF.1237 OS01T06541(x		TSS9821	1.168E-26
chr1	TCONS_00012860	XLOC_009226	26527514	26527726	-	1	NA	CUFF.1224 NA	u	TSS9823	2.165E-14
chr1	TCONS_00009278	XLOC_009229	26529765	26529970	-	1	NA	CUFF.929.1NA	u	TSS9826	7.311E-65
chr1	TCONS_00012863	XLOC_009240	26613901	26614312	-	1	OS01G0655500	CUFF.1704 OS01T06555(i		TSS9838	1.25E-16

chr1	TCONS_00009292	XLOC_009244	26636837	26637102	-	1	OS01G0655800	CUFF.940.1	OS01T06558(x	TSS9842	0	
chr1	TCONS_00009330	XLOC_009280	26915438	26915644	-	1	OS01G0660550	CUFF.947.1	OS01T06605(i	TSS9881	0	
chr1	TCONS_00012867	XLOC_009289	27010749	27011178	-	1	OS01G0661500	CUFF.1729	OS01T06615(i	TSS9890	9.541E-18	
chr1	TCONS_00009352	XLOC_009302	27095568	27095783	-	1	OS01G0663500	CUFF.949.1	OS01T06635(x	TSS9904	2.144E-28	
chr1	TCONS_00009365	XLOC_009314	27187988	27188209	-	1	NCRNA_43760	CUFF.955.1	NCRNA_437(x	TSS9917	2.943E-29	
chr1	TCONS_00009405	XLOC_009353	27412404	27412638	-	1	NA	CUFF.967.1	NA	u	TSS9958	1.827E-30
chr1	TCONS_00012879	XLOC_009382	27601859	27602112	-	1	DI19-3	CUFF.1266	OS01T06724(x	TSS9987	3.721E-34	
chr1	TCONS_00012883	XLOC_009415	27779330	27779584	-	1	IAA5	CUFF.1284	OS01T06757(i	TSS1002	4.215E-54	
chr1	TCONS_00009504	XLOC_009448	28020637	28020867	-	1	OS01G0680700	CUFF.1008	OS01T06807(i	TSS1006	1.135E-31	
chr1	TCONS_00012890	XLOC_009482	28250039	28250273	-	1	NA	CUFF.1297	NA	u	TSS1009	0.01177
chr1	TCONS_00009547	XLOC_009495	28332693	28332902	-	1	RACK1A	CUFF.1034	OS01T06868(i	TSS1010	2.321E-32	
chr1	TCONS_00012898	XLOC_009521	28514744	28515090	-	1	OS01G0690600	CUFF.1340	OS01T06906(i	TSS1013	3.713E-41	
chr1	TCONS_00012899	XLOC_009522	28525653	28525969	-	1	OS01G0690800	CUFF.1351	OS01T06908(i	TSS1013	1.326E-28	
chr1	TCONS_00009578	XLOC_009524	28526960	28527311	-	1	OS01G0690800	CUFF.1114	OS01T06908(i	TSS1014	3.082E-56	
chr1	TCONS_00012901	XLOC_009552	28733644	28733844	-	1	OS01G0694900	CUFF.1352	OS01T06949(i	TSS1017	3.249E-27	
chr1	TCONS_00012902	XLOC_009560	28772302	28772719	-	1	OS01G0695700	CUFF.1356	OS01T06957(x	TSS1017	3.453E-17	
chr1	TCONS_00009643	XLOC_009583	28886357	28886565	-	1	OS01G0698100	CUFF.1067	OS01T06981(i	TSS1020	0	
chr1	TCONS_00012904	XLOC_009584	28887082	28887487	-	1	OS01G0698100	CUFF.1364	OS01T06981(i	TSS1020	9.158E-23	
chr1	TCONS_00009702	XLOC_009642	29307204	29307458	-	1	OS01G0706400	CUFF.1091	OS01T07064(i	TSS1026	2.643E-57	
chr1	TCONS_00009716	XLOC_009655	29424988	29425205	-	1	OS01G0708300	CUFF.1082	OS01T07083(x	TSS1027	3.534E-22	
chr1	TCONS_00009719	XLOC_009658	29432566	29432767	-	1	OS01G0708350	CUFF.1095	OS01T07083(i	TSS1028	2.253E-82	
chr1	TCONS_00012912	XLOC_009660	29435762	29436180	-	1	OS01G0708400	CUFF.1384	OS01T07084(x	TSS1028	2.236E-35	
chr1	TCONS_00009748	XLOC_009688	29562925	29563169	-	1	NA	CUFF.1089	NA	u	TSS1031	1.594E-22
chr1	TCONS_00012926	XLOC_009745	29989713	29990024	-	1	OS01G0719300	CUFF.1445	OS01T07193(x	TSS1037	3.69E-29	
chr1	TCONS_00012929	XLOC_009769	30118673	30118893	-	1	NA	CUFF.1456	NA	u	TSS1040	8.639E-20
chr1	TCONS_00009855	XLOC_009787	30259561	30259773	-	1	OS01G0725800	CUFF.1142	OS01T07258(i	TSS1042	2.953E-34	
chr1	TCONS_00012936	XLOC_009795	30298972	30299361	-	1	OS01G0726801	CUFF.1462	OS01T07268(x	TSS1042	3.839E-19	
chr1	TCONS_00012937	XLOC_009808	30380557	30380776	-	1	OS01G0728375	CUFF.1473	OS01T07283(x	TSS1044	3.047E-45	
chr1	TCONS_00009885	XLOC_009822	30463446	30463682	-	1	OS01G0730300	CUFF.1160	OS01T07303(i	TSS1045	5.588E-26	
chr1	TCONS_00009917	XLOC_009853	30605584	30605784	-	1	OS01G0734000	CUFF.1163	OS01T07340(i	TSS1049	1.503E-65	
chr1	TCONS_00012942	XLOC_009854	30606907	30607165	-	1	OS01G0734000	CUFF.1491	OS01T07340(i	TSS1049	1.512E-25	
chr1	TCONS_00012943	XLOC_009856	30612884	30613084	-	1	NA	CUFF.1482	NA	u	TSS1049	1.549E-20
chr1	TCONS_00012944	XLOC_009858	30624457	30624693	-	1	OS01G0734333	CUFF.1493	OS01T07343(i	TSS1049	1.033E-24	
chr1	TCONS_00012945	XLOC_009872	30736201	30736411	-	1	NA	CUFF.1488	NA	u	TSS1051	9.158E-23
chr1	TCONS_00009934	XLOC_009875	30740623	30740879	-	1	OS01G0736900	CUFF.1192	OS01T07369(x	TSS1051	3.296E-88	

chr1	TCONS_00009950	XLOC_009891	30870585	30870825	-	1	OS01G0739200	CUFF.1170	OS01T07392(x	TSS1053	1.463E-23	
chr1	TCONS_00012949	XLOC_009897	30910902	30912462	-	1	OS01G0740300	CUFF.1521	OS01T07403(i	TSS1053	4.2E-31	
chr1	TCONS_00012950	XLOC_009898	30914030	30914230	-	1	OS01G0740300	CUFF.1524	OS01T07403(i	TSS1053	1.512E-25	
chr1	TCONS_00012952	XLOC_009921	31090214	31090415	-	1	NA	CUFF.1515	NA	u	TSS1056	2.943E-20
chr1	TCONS_00009982	XLOC_009922	31092637	31092865	-	1	NA	CUFF.1177	NA	u	TSS1056	1.237E-35
chr1	TCONS_00012954	XLOC_009924	31100652	31100980	-	1	OS01G0744000	CUFF.1522	OS01T07440(i	TSS1056	6.174E-32	
chr1	TCONS_00009991	XLOC_009932	31203991	31204387	-	1	OS01G0746200	CUFF.1181	OS01T07462(x	TSS1057	0	
chr1	TCONS_00012955	XLOC_009933	31204533	31204830	-	1	OS01G0746200	CUFF.1526	OS01T07462(i	TSS1057	1.739E-22	
chr1	TCONS_00010012	XLOC_009954	31350902	31351143	-	1	OS01G0748900	CUFF.1188	OS01T07489(i	TSS1059	0	
chr1	TCONS_00012958	XLOC_009961	31401228	31401448	-	1	NA	CUFF.1534	NA	u	TSS1060	4.766E-28
chr1	TCONS_00010043	XLOC_009988	31636000	31636233	-	1	OS01G0754000	CUFF.1207	OS01T07540(x	TSS1063	1.05E-27	
chr1	TCONS_00010079	XLOC_010018	31908488	31908713	-	1	NA	CUFF.1216	NA	u	TSS1066	1.463E-23
chr1	TCONS_00012965	XLOC_010019	31910149	31910651	-	1	NCRNA_47455	CUFF.1573	NCRNA_474:x	TSS1066	7.964E-07	
chr1	TCONS_00010082	XLOC_010021	31922533	31922848	-	1	NA	CUFF.1217	NA	u	TSS1066	1.391E-09
chr1	TCONS_00012973	XLOC_010068	32244784	32245012	-	1	OS01G0765200	CUFF.1594	OS01T07652(x	TSS1071	2.627E-82	
chr1	TCONS_00010149	XLOC_010083	32353680	32353881	-	1	OS01G0767700	CUFF.1248	OS01T07677(x	TSS1073	0	
chr1	TCONS_00012977	XLOC_010093	32410337	32410664	-	1	OS01G0768600	CUFF.1624	OS01T07686(i	TSS1074	3.311E-37	
chr1	TCONS_00012978	XLOC_010096	32425080	32425288	-	1	OS01G0768700	CUFF.1616	OS01T07687(x	TSS1074	2.38E-16	
chr1	TCONS_00010161	XLOC_010098	32434946	32435268	-	1	OS01G0769000	CUFF.1250	OS01T07690(x	TSS1075	0	
chr1	TCONS_00010162	XLOC_010099	32435497	32436070	-	1	OS01G0769000	CUFF.1252	OS01T07690(i	TSS1075	0.22427	
chr1	TCONS_00010163	XLOC_010100	32441358	32441586	-	1	NA	CUFF.1245	NA	u	TSS1075	1.594E-22
chr1	TCONS_00010172	XLOC_010111	32523869	32524176	-	1	COPT1	CUFF.1251	OS01T07707(x	TSS1076	0	
chr1	TCONS_00010191	XLOC_010130	32616189	32616414	-	1	OS01G0772600	CUFF.1267	OS01T07726(i	TSS1078	5.553E-31	
chr1	TCONS_00012985	XLOC_010132	32618370	32618585	-	1	OS01G0772600	CUFF.1644	OS01T07726(x	TSS1078	3.449E-60	
chr1	TCONS_00012988	XLOC_010163	32888882	32889101	-	1	OS01G0777200	CUFF.1655	OS01T07772(i	TSS1081	1.339E-23	
chr1	TCONS_00012991	XLOC_010176	32966181	32966500	-	1	OS01G0778800	CUFF.1691	OS01T07788(i	TSS1083	2.704E-37	
chr1	TCONS_00010237	XLOC_010177	32967556	32967869	-	1	OS01G0778800	CUFF.1303	OS01T07788(i	TSS1083	2.762E-58	
chr1	TCONS_00012992	XLOC_010178	32974799	32975079	-	1	OS01G0778800	CUFF.1694	OS01T07788(i	TSS1083	1.702E-21	
chr1	TCONS_00012993	XLOC_010191	33058734	33058938	-	1	NA	CUFF.1658	NA	u	TSS1084	2.542E-23
chr1	TCONS_00012994	XLOC_010195	33099736	33099937	-	1	OS01G0781200	CUFF.1677	OS01T07812(x	TSS1085	3.258E-32	
chr1	TCONS_00010274	XLOC_010211	33207181	33207384	-	1	OS01G0783600	CUFF.1282	OS01T07836(x	TSS1086	0	
chr1	TCONS_00010307	XLOC_010244	33410875	33411084	-	1	OS01G0787600	CUFF.1305	OS01T07876(i	TSS1090	0	
chr1	TCONS_00010326	XLOC_010263	33506193	33507022	-	1	NA	CUFF.1374	NA	u	TSS1092	0
chr1	TCONS_00010337	XLOC_010273	33545905	33546324	-	1	NA	CUFF.1309	NA	u	TSS1093	5.745E-19
chr1	TCONS_00013005	XLOC_010274	33549383	33549734	-	1	NA	CUFF.1758	NA	u	TSS1093	0

chr1	TCONS_00013006	XLOC_010275	33549907	33551610	-	1	NA	CUFF.1758	NA	u	TSS1093	8.256E-15
chr1	TCONS_00013008	XLOC_010287	33584167	33584386	-	1	NA	CUFF.1759	NA	u	TSS1094	1.066E-57
chr1	TCONS_00013009	XLOC_010288	33584508	33584718	-	1	NA	CUFF.1759	NA	u	TSS1095	2.348E-45
chr1	TCONS_00013016	XLOC_010335	33972043	33972261	-	1	ISPE	CUFF.1762	OS01T08021(i		TSS1100	1.61E-45
chr1	TCONS_00010429	XLOC_010357	34168604	34168834	-	1	TUBB4	CUFF.1354	OS01T08059(i		TSS1102	5.524E-13
chr1	TCONS_00013019	XLOC_010380	34417859	34418066	-	1	OS01G0810200	CUFF.1747	OS01T08102(i		TSS1104	4.824E-23
chr1	TCONS_00013024	XLOC_010396	34520336	34520824	-	1	OS01G0812050	CUFF.1760	OS01T08120(x		TSS1106	1.795E-42
chr1	TCONS_00013027	XLOC_010441	34863976	34864234	-	1	WOX8	CUFF.1782	OS01T08184(i		TSS1111	5.961E-15
chr1	TCONS_00013028	XLOC_010450	34896786	34896988	-	1	NA	CUFF.1774	NA	u	TSS1112	3.396E-42
chr1	TCONS_00010532	XLOC_010459	34941139	34941362	-	1	OS01G0819466	CUFF.1395	OS01T08194(i		TSS1113	2.074E-19
chr1	TCONS_00013031	XLOC_010481	35146206	35146484	-	1	EXPA2	CUFF.1798	OS01T08231(x		TSS1115	5.476E-35
chr1	TCONS_00010556	XLOC_010483	35157382	35157621	-	1	OS01G0823400	CUFF.1394	OS01T08234(i		TSS1116	1.541E-10
chr1	TCONS_00010597	XLOC_010524	35540435	35541279	-	1	OS01G0830700	CUFF.1408	OS01T08307(i		TSS1120	4.944E-48
chr1	TCONS_00013035	XLOC_010525	35541669	35542136	-	1	OS01G0830700	CUFF.1819	OS01T08307(i		TSS1120	0.015982
chr1	TCONS_00013037	XLOC_010529	35552200	35552400	-	1	NA	CUFF.1811	NA	u	TSS1120	6.994E-29
chr1	TCONS_00010619	XLOC_010545	35734631	35734920	-	1	OS01G0834200	CUFF.1416	OS01T08342(i		TSS1122	5.414E-75
chr1	TCONS_00010641	XLOC_010566	35853526	35853734	-	1	OS01G0836400	CUFF.1421	OS01T08364(x		TSS1124	0
chr1	TCONS_00010684	XLOC_010609	36135811	36136811	-	1	ERG1	CUFF.1450	OS01T08417(x		TSS1129	2.859E-60
chr1	TCONS_00010685	XLOC_010610	36137320	36137521	-	1	NA	CUFF.1452	NA	u	TSS1129	2.137E-60
chr1	TCONS_00010705	XLOC_010629	36361781	36362006	-	1	OS01G0846500	CUFF.1451	OS01T08465(i		TSS1131	2.476E-13
chr1	TCONS_00013051	XLOC_010636	36392587	36393000	-	1	OS01G0847100	CUFF.1866	OS01T08471(x		TSS1132	2.439E-07
chr1	TCONS_00013052	XLOC_010659	36540802	36541162	-	1	ERH1	CUFF.1878	OS01T08501(i		TSS1135	5.939E-44
chr1	TCONS_00013057	XLOC_010693	36774713	36774929	-	1	NA	CUFF.1881	NA	u	TSS1138	3.405E-06
chr1	TCONS_00010782	XLOC_010701	36951882	36952083	-	1	OS01G0856000	CUFF.1469	OS01T08560(x		TSS1139	0
chr1	TCONS_00010817	XLOC_010735	37307667	37307912	-	1	OS01G0861700	CUFF.1482	OS01T08617(x		TSS1143	7.713E-07
chr1	TCONS_00010846	XLOC_010763	37510079	37510729	-	1	OS01G0866100	CUFF.1532	OS01T08661(i		TSS1146	3.001E-11
chr1	TCONS_00010853	XLOC_010770	37550064	37550265	-	1	OS01G0867100	CUFF.1498	OS01T08671(i		TSS1146	1.612E-64
chr1	TCONS_00013067	XLOC_010775	37583380	37583748	-	1	OS01G0867800	CUFF.1949	OS01T08678(x		TSS1147	7.972E-26
chr1	TCONS_00010871	XLOC_010787	37691197	37691402	-	1	OS01G0869600	CUFF.1509	OS01T08696(i		TSS1148	0
chr1	TCONS_00013070	XLOC_010800	37766364	37766615	-	1	OS01G0871100	CUFF.1954	OS01T08711(x		TSS1150	3.129E-15
chr1	TCONS_00013075	XLOC_010831	37933532	37933913	-	1	NA	CUFF.1973	NA	u	TSS1153	9.541E-18
chr1	TCONS_00013077	XLOC_010835	37985363	37985671	-	1	OS01G0875300	CUFF.1983	OS01T08753(x		TSS1153	4.706E-07
chr1	TCONS_00010923	XLOC_010837	38010835	38011070	-	1	OS01G0875700	CUFF.1528	OS01T08757(i		TSS1154	2.734E-35
chr1	TCONS_00010937	XLOC_010848	38085752	38085991	-	1	OS01G0877600	CUFF.1534	OS01T08776(i		TSS1155	4.829E-23
chr1	TCONS_00013078	XLOC_010853	38112425	38112718	-	1	OS01G0878300	CUFF.1998	OS01T08783(i		TSS1155	2.26E-21

chr1	TCONS_00013079	XLOC_010854	38112948	38113210	-	1	OS01G0878300	CUFF.2002	OS01T08783(i	TSS1155	4.293E-21
chr1	TCONS_00013080	XLOC_010863	38198039	38198378	-	1	OS01G0880200	CUFF.2005	OS01T08802(i	TSS1156	7.972E-26
chr1	TCONS_00013081	XLOC_010872	38256535	38256904	-	1	SWEET1A	CUFF.1995	OS01T08813(x	TSS1157	7.187E-39
chr1	TCONS_00013082	XLOC_010874	38261362	38261630	-	1	OS01G0881400	CUFF.1997	OS01T08814(x	TSS1158	2.378E-37
chr1	TCONS_00010969	XLOC_010882	38303221	38303431	-	1	OS01G0882300	CUFF.1544	OS01T08823(i	TSS1158	0
chr1	TCONS_00010975	XLOC_010888	38328799	38329167	-	1	NA	CUFF.1543	NA u	TSS1159	5.741E-21
chr1	TCONS_00010989	XLOC_010902	38437729	38437945	-	1	OS01G0884900	CUFF.1548	OS01T08849(i	TSS1161	6.622E-39
chr1	TCONS_00013088	XLOC_010909	38476412	38476886	-	1	OS01G0885600	CUFF.2019	OS01T08856(i	TSS1162	1.063E-19
chr1	TCONS_00011003	XLOC_010915	38510588	38510797	-	1	OS01G0886300	CUFF.1557	OS01T08863(i	TSS1162	1.236E-85
chr1	TCONS_00013089	XLOC_010922	38539739	38540227	-	1	OS01G0886900	CUFF.2025	OS01T08869(x	TSS1163	8.476E-65
chr1	TCONS_00011025	XLOC_010936	38638124	38638325	-	1	OS01G0888800	CUFF.1559	OS01T08888(x	TSS1165	0
chr1	TCONS_00013094	XLOC_010968	38846448	38846664	-	1	OS01G0893400	CUFF.2036	OS01T08934(x	TSS1168	9.482E-43
chr1	TCONS_00011079	XLOC_010986	39001896	39002108	-	1	NA	CUFF.1573	NA u	TSS1170	1.154E-86
chr1	TCONS_00011092	XLOC_011001	39118648	39118892	-	1	NA	CUFF.1596	NA u	TSS1172	4.143E-28
chr1	TCONS_00013098	XLOC_011002	39122250	39122579	-	1	NA	CUFF.2071	NA u	TSS1172	0.024543
chr1	TCONS_00013101	XLOC_011010	39159565	39159859	-	1	NA	CUFF.2058	NA u	TSS1172	4.203E-26
chr1	TCONS_00013102	XLOC_011016	39211908	39212218	-	1	OS01G0900800	CUFF.2069	OS01T09008(i	TSS1173	7.972E-26
chr1	TCONS_00013104	XLOC_011032	39320863	39321167	-	1	NA	CUFF.2061	NA u	TSS1175	5.321E-39
chr1	TCONS_00011170	XLOC_011074	39701231	39701675	-	1	RPN2	CUFF.1618	OS01T09112(i	TSS1179	1.25E-62
chr1	TCONS_00011175	XLOC_011078	39734782	39734994	-	1	OS01G0911800	CUFF.1612	OS01T09118(x	TSS1180	1.279E-73
chr1	TCONS_00013112	XLOC_011128	40117300	40117628	-	1	OS01G0919500	CUFF.2111	OS01T09195(i	TSS1185	3.995E-62
chr1	TCONS_00013114	XLOC_011130	40121257	40121481	-	1	NA	CUFF.2108	NA u	TSS1185	1.187E-36
chr1	TCONS_00013117	XLOC_011152	40333687	40334339	-	1	OS01G0922600	CUFF.2124	OS01T09226(x	TSS1188	1.775E-08
chr1	TCONS_00013118	XLOC_011155	40346863	40347422	-	1	OS01G0922800	CUFF.2133	OS01T09228(i	TSS1188	2.728E-22
chr1	TCONS_00011262	XLOC_011156	40349926	40350176	-	1	NCRNA_39499	CUFF.1638	NCRNA_3949(x	TSS1188	1.544E-76
chr1	TCONS_00011279	XLOC_011171	40479702	40479915	-	1	NA	CUFF.1644	NA u	TSS1190	3.657E-47
chr1	TCONS_00013123	XLOC_011208	40743648	40743872	-	1	OS01G0928300	CUFF.2169	OS01T09283(x	TSS1194	4.202E-67
chr1	TCONS_00011329	XLOC_011217	40814239	40814474	-	1	NA	CUFF.1674	NA u	TSS1195	1.356E-15
chr1	TCONS_00013126	XLOC_011240	40935071	40935275	-	1	NA	CUFF.2175	NA u	TSS1198	2.638E-18
chr1	TCONS_00013131	XLOC_011287	41184182	41184403	-	1	NA	CUFF.2187	NA u	TSS1203	7.81E-88
chr1	TCONS_00013133	XLOC_011316	41496089	41497190	-	1	OS01G0944100	CUFF.2214	OS01T09441(x	TSS1206	2.507E-09
chr1	TCONS_00013134	XLOC_011317	41499490	41500138	-	1	OS01G0944100	CUFF.2215	OS01T09441(i	TSS1206	7.187E-39
chr1	TCONS_00013136	XLOC_011319	41510723	41511019	-	1	OS01G0944200	CUFF.2210	OS01T09442(i	TSS1206	2.165E-14
chr1	TCONS_00013138	XLOC_011321	41516701	41516949	-	1	OS01G0944200	CUFF.2220	OS01T09442(i	TSS1207	5.443E-25
chr1	TCONS_00013139	XLOC_011351	41712027	41712538	-	1	OS01G0948200	CUFF.2216	OS01T09482(x	TSS1210	2.115E-08

chr1	TCONS_00011487	XLOC_011366	41819185	41819689	-	1	OS01G0949300	CUFF.1717	OS01T09493(x	TSS1211	0	
chr1	TCONS_00011501	XLOC_011380	41920325	41920534	-	1	OS01G0952200	CUFF.1720	OS01T09522(i	TSS1213	2.223E-43	
chr1	TCONS_00013144	XLOC_011407	42092289	42092609	-	1	OS01G0955700	CUFF.2261	OS01T09557(i	TSS1216	1.25E-16	
chr1	TCONS_00013145	XLOC_011410	42095384	42095765	-	1	OS01G0955700	CUFF.2244	OS01T09557(x	TSS1216	4.67E-51	
chr1	TCONS_00011546	XLOC_011427	42249553	42249784	-	1	OS01G0958500	CUFF.1740	OS01T09585(i	TSS1218	0	
chr1	TCONS_00013149	XLOC_011438	42326216	42326421	-	1	NA	CUFF.2256	NA	u	TSS1219	1.187E-36
chr1	TCONS_00011557	XLOC_011439	42326854	42327110	-	1	NA	CUFF.1747	NA	u	TSS1219	0
chr1	TCONS_00013151	XLOC_011441	42328624	42328949	-	1	OS01G0960200	CUFF.2263	OS01T09602(x	TSS1219	4.2E-31	
chr1	TCONS_00013153	XLOC_011455	42404147	42404496	-	1	NA	CUFF.2267	NA	u	TSS1221	2.26E-21
chr1	TCONS_00013154	XLOC_011456	42405106	42405626	-	1	NA	CUFF.2269	NA	u	TSS1221	4.047E-49
chr1	TCONS_00013157	XLOC_011472	42544519	42544764	-	1	NA	CUFF.2291	NA	u	TSS1222	2.248E-36
chr1	TCONS_00013159	XLOC_011474	42545838	42546126	-	1	NA	CUFF.2275	NA	u	TSS1223	4.658E-09
chr1	TCONS_00013160	XLOC_011475	42546566	42546905	-	1	NA	CUFF.2276	NA	u	TSS1223	4.766E-28
chr1	TCONS_00011607	XLOC_011489	42602178	42602431	-	1	NA	CUFF.1758	NA	u	TSS1225	1.161E-06
chr1	TCONS_00013165	XLOC_011491	42603945	42604236	-	1	NA	CUFF.2288	NA	u	TSS1225	0.055581
chr1	TCONS_00013167	XLOC_011494	42606335	42606565	-	1	NA	CUFF.2286	NA	u	TSS1225	1.501E-13
chr1	TCONS_00011628	XLOC_011514	42692164	42692369	-	1	OS01G0967900	CUFF.1773	OS01T09679(i	TSS1227	0	
chr1	TCONS_00013173	XLOC_011554	42971089	42971451	-	1	OS01G0973300	CUFF.2314	OS01T09733(x	TSS1231	1.413E-22	
chr1	TCONS_00011711	XLOC_011596	10474984	10475200	.	1	OS01G0289600	CUFF.415.1	OS01T02896(i	TSS1236	1.084E-42	
chr1	TCONS_00013180	XLOC_011598	11618841	11619045	.	1	OS01G0309900	CUFF.596.1	OS01T03099(i	TSS1236	5.592E-20	
chr1	TCONS_00011713	XLOC_011603	19395670	19395899	.	1	OS01G0534900	CUFF.695.1	OS01T05349(i	TSS1236	4.455E-39	
chr1	TCONS_00013192	XLOC_011614	26812358	26812561	.	1	OS01G0659200	CUFF.1720	OS01T06592(i	TSS1237	6.234E-22	
chr1	TCONS_00013207	XLOC_011634	32474842	32475042	.	1	OS01G0769900	CUFF.1627	OS01T07699(i	TSS1239	7.056E-24	
chr1	TCONS_00013212	XLOC_011639	33733872	33734074	.	1	OS01G0796500	CUFF.1761	OS01T07965(i	TSS1240	1.387E-18	
chr1	TCONS_00011721	XLOC_011640	33927010	33927214	.	1	OS01G0801100	CUFF.1336	OS01T08011(i	TSS1240	2.545E-52	
chr1	TCONS_00011726	XLOC_011653	41070060	41070284	.	1	OS01G0935600	CUFF.1692	OS01T09356(i	TSS1241	4.079E-25	
chr10	TCONS_00018571	XLOC_011704	410936	411325	+	1	OS10G0105400	CUFF.2344	OS10T01054(i	TSS1247	3.839E-19	
chr10	TCONS_00013285	XLOC_011717	537060	537268	+	1	NA	CUFF.1804	NA	u	TSS1248	0
chr10	TCONS_00018574	XLOC_011782	1140995	1141207	+	1	OS10G0118000	CUFF.2359	OS10T01180(x	TSS1255	4.293E-21	
chr10	TCONS_00013360	XLOC_011787	1194705	1195136	+	1	OS10G0118900	CUFF.1827	OS10T01189(x	TSS1255	3.947E-26	
chr10	TCONS_00018575	XLOC_011788	1195305	1196159	+	1	NA	CUFF.2364	NA	u	TSS1256	0.99936
chr10	TCONS_00013362	XLOC_011789	1196302	1196537	+	1	NA	CUFF.1815	NA	u	TSS1256	2.717E-30
chr10	TCONS_00013367	XLOC_011795	1202239	1202475	+	1	NA	CUFF.1822	NA	u	TSS1256	6.603E-24
chr10	TCONS_00018581	XLOC_011800	1224282	1224741	+	1	NA	CUFF.2366	NA	u	TSS1257	1.859E-10
chr10	TCONS_00013407	XLOC_011835	1542841	1543079	+	1	NA	CUFF.1832	NA	u	TSS1261	7.707E-37

chr10 TCONS_00018585	XLOC_011850	1744385	1744596 +	1	OS10G0127900	CUFF.2386 OS10T01279(x	TSS1262	0.005791	
chr10 TCONS_00018586	XLOC_011851	1748578	1749963 +	1	OS10G0127900	CUFF.2396 OS10T01279(i	TSS1262	1.091E-44	
chr10 TCONS_00018587	XLOC_011852	1750211	1750455 +	1	OS10G0127900	CUFF.2399 OS10T01279(i	TSS1262	7.048E-34	
chr10 TCONS_00013449	XLOC_011881	1956431	1956699 +	1	OS10G0131800	CUFF.1843 OS10T01318(i	TSS1265	0.48773	
chr10 TCONS_00013484	XLOC_011919	2226067	2226291 +	1	NA	CUFF.1845 NA	u	TSS1269	3.192E-33
chr10 TCONS_00013486	XLOC_011921	2232366	2232758 +	1	NA	CUFF.1846 NA	u	TSS1269	1.369E-05
chr10 TCONS_00013488	XLOC_011923	2236009	2236261 +	1	NA	CUFF.1847 NA	u	TSS1270	4.079E-25
chr10 TCONS_00013552	XLOC_011986	2755902	2756125 +	1	NA	CUFF.1856 NA	u	TSS1276	1.2E-46
chr10 TCONS_00018598	XLOC_011988	2756577	2757542 +	1	NA	CUFF.1555 NA	u	TSS1276	0
chr10 TCONS_00018607	XLOC_012079	3741434	3741781 +	1	OS10G0159033	CUFF.2450 OS10T01590(i	TSS1286	2.507E-09	
chr10 TCONS_00018611	XLOC_012092	3941253	3941523 +	1	OS10G0161800	CUFF.2453 OS10T01618(x	TSS1287	1.858E-68	
chr10 TCONS_00018618	XLOC_012255	5655252	5655668 +	1	NA	CUFF.2487 NA	u	TSS1304	2.26E-21
chr10 TCONS_00018621	XLOC_012259	5659565	5659768 +	1	NA	CUFF.2489 NA	u	TSS1304	8.337E-59
chr10 TCONS_00013827	XLOC_012264	5663311	5663526 +	1	OS10G0182300	CUFF.1907 OS10T01823(x	TSS1305	1.029E-10	
chr10 TCONS_00013828	XLOC_012265	5664020	5664262 +	1	NA	CUFF.1905 NA	u	TSS1305	9.992E-55
chr10 TCONS_00013887	XLOC_012320	6213429	6213629 +	1	OS10G0189600	CUFF.1927 OS10T01896(x	TSS1311	4.716E-77	
chr10 TCONS_00013919	XLOC_012352	6587882	6588095 +	1	NA	CUFF.1934 NA	u	TSS1314	4.28E-67
chr10 TCONS_00013920	XLOC_012353	6588985	6589188 +	1	NA	CUFF.1935 NA	u	TSS1314	1.287E-56
chr10 TCONS_00018626	XLOC_012353	6588676	6589030 +	1	NA	CUFF.2522 NA	u	TSS1314	2.248E-36
chr10 TCONS_00018628	XLOC_012355	6597588	6598018 +	1	OS10G0195250	CUFF.2524 OS10T01952(i	TSS1314	0	
chr10 TCONS_00018630	XLOC_012368	6735636	6735885 +	1	NA	CUFF.2527 NA	u	TSS1316	6.174E-32
chr10 TCONS_00018638	XLOC_012446	7698756	7699192 +	1	OS10G0208600	CUFF.2570 OS10T02086(i	TSS1324	1.713E-27	
chr10 TCONS_00018641	XLOC_012477	8322164	8322364 +	1	NA	CUFF.2563 NA	u	TSS1327	1.508E-30
chr10 TCONS_00014073	XLOC_012506	8835727	8835933 +	1	NA	CUFF.1969 NA	u	TSS1330	1.965E-84
chr10 TCONS_00014085	XLOC_012518	8942291	8942502 +	1	NA	CUFF.1974 NA	u	TSS1331	3.559E-42
chr10 TCONS_00014201	XLOC_012630	10215823	10216049 +	1	NA	CUFF.2001 NA	u	TSS1343	1.463E-23
chr10 TCONS_00018648	XLOC_012648	10410794	10411652 +	1	OS10G0346600	CUFF.2619 OS10T03466(x	TSS1345	1.975E-18	
chr10 TCONS_00018649	XLOC_012695	10811597	10813217 +	1	NCRNA_1535	CUFF.2630 NCRNA_153(x	TSS1350	4.46E-24	
chr10 TCONS_00014342	XLOC_012768	11305268	11305565 +	1	OS10G0363650	CUFF.2050 OS10T03636(x	TSS1357	2.896E-57	
chr10 TCONS_00018659	XLOC_012773	11309945	11310522 +	1	NA	CUFF.6237 NA	u	TSS1358	2.172E-41
chr10 TCONS_00014346	XLOC_012775	11311630	11311863 +	1	NA	CUFF.2054 NA	u	TSS1358	0
chr10 TCONS_00018661	XLOC_012775	11311205	11311698 +	1	NA	CUFF.6239 NA	u	TSS1358	3.295E-55
chr10 TCONS_00018663	XLOC_012775	11312275	11312921 +	1	NA	CUFF.6244 NA	u	TSS1358	1.527E-35
chr10 TCONS_00014374	XLOC_012800	11568652	11568891 +	1	NA	CUFF.2060 NA	u	TSS1361	2.943E-29
chr10 TCONS_00014385	XLOC_012810	11633484	11633693 +	1	OS10G0370000	CUFF.2069 OS10T03700(i	TSS1362	2.943E-29	

chr10 TCONS_00018666	XLOC_012819	11706061	11706262	+	1	OS10G0370800	CUFF.6268	OS10T03708(i	TSS1363	2.448E-64	
chr10 TCONS_00018667	XLOC_012820	11710153	11710438	+	1	OS10G0370800	CUFF.6270	OS10T03708(i	TSS1363	0.028601	
chr10 TCONS_00018669	XLOC_012836	11807456	11807749	+	1	OS10G0372800	CUFF.2636	OS10T03728(x	TSS1365	6.57E-17	
chr10 TCONS_00014407	XLOC_012838	11813913	11814130	+	1	NA	CUFF.2076	NA	u	TSS1365	4.093E-62
chr10 TCONS_00014410	XLOC_012842	11817371	11817651	+	1	NA	CUFF.2077	NA	u	TSS1365	6.012E-30
chr10 TCONS_00018674	XLOC_012842	11817185	11817490	+	1	NA	CUFF.2637	NA	u	TSS1365	3.721E-34
chr10 TCONS_00014468	XLOC_012896	12251953	12252174	+	1	NA	CUFF.2094	NA	u	TSS1371	4.805E-38
chr10 TCONS_00014470	XLOC_012899	12260412	12260703	+	1	OS10G0380800	CUFF.2098	OS10T03808(x	TSS1371	6.603E-70	
chr10 TCONS_00018678	XLOC_012906	12341220	12341746	+	1	OS10G0382400	CUFF.2656	OS10T03824(i	TSS1372	2.863E-13	
chr10 TCONS_00018679	XLOC_012907	12342020	12342295	+	1	OS10G0382400	CUFF.2658	OS10T03824(i	TSS1372	7.048E-34	
chr10 TCONS_00018680	XLOC_012925	12791775	12791977	+	1	NA	CUFF.2659	NA	u	TSS1374	6.268E-22
chr10 TCONS_00014546	XLOC_012976	12997474	12997695	+	1	OS10G0390900	CUFF.2120	OS10T03909(i	TSS1379	8.32E-36	
chr10 TCONS_00018690	XLOC_013070	13852758	13852958	+	1	OS10G0405600	CUFF.2700	OS10T04056(i	TSS1389	8.061E-36	
chr10 TCONS_00014687	XLOC_013119	14343649	14343865	+	1	OS10G0412000	CUFF.2162	OS10T04120(x	TSS1394	1.997E-78	
chr10 TCONS_00014692	XLOC_013124	14351669	14351876	+	1	OS10G0412050	CUFF.2164	OS10T04120(i	TSS1395	0	
chr10 TCONS_00014706	XLOC_013140	14509433	14509648	+	1	NA	CUFF.2165	NA	u	TSS1396	0
chr10 TCONS_00014713	XLOC_013147	14535422	14535636	+	1	OS10G0415600	CUFF.2183	OS10T04156(i	TSS1397	7.208E-85	
chr10 TCONS_00014741	XLOC_013174	14715988	14716212	+	1	NA	CUFF.2171	NA	u	TSS1400	1.738E-21
chr10 TCONS_00014749	XLOC_013182	14746182	14746390	+	1	NA	CUFF.2173	NA	u	TSS1401	5.207E-75
chr10 TCONS_00014758	XLOC_013193	14805177	14805382	+	1	NA	CUFF.2176	NA	u	TSS1402	1.463E-38
chr10 TCONS_00014767	XLOC_013202	14906056	14907857	+	1	OS10G0422000	CUFF.2203	OS10T04220(x	TSS1403	2.734E-87	
chr10 TCONS_00018708	XLOC_013262	15404475	15404731	+	1	OS10G0431900	CUFF.2767	OS10T04319(x	TSS1409	5.076E-11	
chr10 TCONS_00018711	XLOC_013305	15690855	15691143	+	1	OS10G0438000	CUFF.2775	OS10T04380(x	TSS1413	1.549E-20	
chr10 TCONS_00018716	XLOC_013372	16164907	16165285	+	1	NCRNA_43143	CUFF.2801	NCRNA_431(x	TSS1420	2.529E-33	
chr10 TCONS_00018717	XLOC_013403	16491763	16492006	+	1	NA	CUFF.2805	NA	u	TSS1423	0
chr10 TCONS_00018718	XLOC_013406	16511338	16511614	+	1	OS10G0452800	CUFF.2814	OS10T04528(i	TSS1424	2.216E-26	
chr10 TCONS_00018721	XLOC_013419	16625879	16626301	+	1	NA	CUFF.2811	NA	u	TSS1425	5.418E-30
chr10 TCONS_00018723	XLOC_013422	16634359	16634844	+	1	NCRNA_4322	CUFF.2813	NCRNA_432(x	TSS1425	2.248E-36	
chr10 TCONS_00018724	XLOC_013434	16712482	16713014	+	1	OS10G0456900	CUFF.2826	OS10T04569(x	TSS1427	7.733E-11	
chr10 TCONS_00018731	XLOC_013445	16726253	16726737	+	1	NA	CUFF.2825	NA	u	TSS1428	1.501E-13
chr10 TCONS_00018732	XLOC_013446	16727274	16727683	+	1	NA	CUFF.2830	NA	u	TSS1428	9.036E-28
chr10 TCONS_00018737	XLOC_013451	16730928	16731219	+	1	NA	CUFF.2827	NA	u	TSS1428	5.418E-30
chr10 TCONS_00018739	XLOC_013453	16733509	16733710	+	1	NA	CUFF.2831	NA	u	TSS1429	2.943E-20
chr10 TCONS_00015012	XLOC_013454	16733873	16734162	+	1	NA	CUFF.2243	NA	u	TSS1429	0
chr10 TCONS_00018741	XLOC_013503	17105957	17106525	+	1	NA	CUFF.2858	NA	u	TSS1434	1.527E-35

chr10 TCONS_00018743	XLOC_013506	17114745	17115035	+	1	OS10G0463800	CUFF.2866	OS10T04638(i	TSS1434	3.258E-32	
chr10 TCONS_00018745	XLOC_013515	17155618	17155819	+	1	OS10G0464800	CUFF.2873	OS10T04648(x	TSS1435	3.249E-27	
chr10 TCONS_00018747	XLOC_013519	17184115	17184488	+	1	OS10G0465800	CUFF.2868	OS10T04658(x	TSS1435	1.748E-37	
chr10 TCONS_00015086	XLOC_013527	17227962	17228199	+	1	OS10G0466700	CUFF.2286	OS10T04667(i	TSS1436	0	
chr10 TCONS_00015187	XLOC_013617	17972765	17973013	+	1	OS10G0479001	CUFF.2301	OS10T04790(i	TSS1446	1.658E-13	
chr10 TCONS_00015222	XLOC_013653	18234342	18234584	+	1	OS10G0482900	CUFF.2327	OS10T04829(i	TSS1450	4.865E-54	
chr10 TCONS_00018757	XLOC_013665	18337534	18338062	+	1	NA	CUFF.2924	NA	u	TSS1451	4.293E-21
chr10 TCONS_00018758	XLOC_013666	18338648	18339102	+	1	NA	CUFF.2925	NA	u	TSS1451	9.712E-11
chr10 TCONS_00015247	XLOC_013679	18409158	18409372	+	1	NA	CUFF.2314	NA	u	TSS1453	0
chr10 TCONS_00015253	XLOC_013685	18440245	18440452	+	1	OS10G0487400	CUFF.2320	OS10T04874(i	TSS1453	0	
chr10 TCONS_00018767	XLOC_013778	19012567	19012821	+	1	NA	CUFF.2965	NA	u	TSS1463	2.647E-43
chr10 TCONS_00018774	XLOC_013842	19520063	19520264	+	1	OS10G0508500	CUFF.3002	OS10T05085(i	TSS1470	2.943E-20	
chr10 TCONS_00018775	XLOC_013869	19733135	19733555	+	1	OS10G0512400	CUFF.3032	OS10T05124(i	TSS1473	9.158E-23	
chr10 TCONS_00018778	XLOC_013875	19781622	19781945	+	1	NA	CUFF.3018	NA	u	TSS1473	1.72E-32
chr10 TCONS_00015470	XLOC_013891	19865635	19865843	+	1	OS10G0515400	CUFF.2382	OS10T05154(i	TSS1475	0	
chr10 TCONS_00018784	XLOC_013906	19952984	19953316	+	1	NA	CUFF.3028	NA	u	TSS1477	7.187E-39
chr10 TCONS_00018786	XLOC_013911	20002744	20002974	+	1	OS10G0517500	CUFF.3039	OS10T05175(i	TSS1477	2.647E-43	
chr10 TCONS_00018787	XLOC_013912	20003325	20003761	+	1	OS10G0517500	CUFF.3043	OS10T05175(i	TSS1477	2.514E-28	
chr10 TCONS_00015515	XLOC_013942	20158341	20158580	+	1	OS10G0521000	CUFF.2397	OS10T05210(i	TSS1480	4.829E-23	
chr10 TCONS_00018794	XLOC_013963	20367275	20367720	+	1	OS10G0524100	CUFF.3057	OS10T05241(i	TSS1483	7.048E-34	
chr10 TCONS_00018796	XLOC_013968	20397179	20397628	+	1	OS10G0524700	CUFF.3067	OS10T05247(i	TSS1483	6.821E-10	
chr10 TCONS_00015565	XLOC_013992	20481153	20482045	+	1	NA	CUFF.2466	NA	u	TSS1485	6.959E-12
chr10 TCONS_00015566	XLOC_013993	20482997	20483615	+	1	NA	CUFF.2451	NA	u	TSS1486	0.021084
chr10 TCONS_00018797	XLOC_013993	20482816	20483039	+	1	NA	CUFF.3713	NA	u	TSS1486	2.898E-40
chr10 TCONS_00018798	XLOC_014058	20946225	20946669	+	1	NA	CUFF.3090	NA	u	TSS1492	3.311E-37
chr10 TCONS_00018799	XLOC_014064	21025460	21025664	+	1	NA	CUFF.3096	NA	u	TSS1493	2.529E-33
chr10 TCONS_00018806	XLOC_014183	21864652	21865134	+	1	OS10G0556200	CUFF.3170	OS10T05562(i	TSS1506	4.877E-38	
chr10 TCONS_00018808	XLOC_014186	21885216	21885450	+	1	NA	CUFF.3148	NA	u	TSS1506	0.01177
chr10 TCONS_00018813	XLOC_014195	21897546	21897848	+	1	NA	CUFF.3157	NA	u	TSS1507	6.588E-29
chr10 TCONS_00018817	XLOC_014199	21902748	21903076	+	1	OS10G0556700	CUFF.3160	OS10T05567(i	TSS1508	1.168E-26	
chr10 TCONS_00015802	XLOC_014217	22005201	22005417	+	1	NA	CUFF.2497	NA	u	TSS1510	3.19E-28
chr10 TCONS_00018822	XLOC_014219	22009180	22009419	+	1	NA	CUFF.3164	NA	u	TSS1510	7.297E-19
chr10 TCONS_00018824	XLOC_014223	22019477	22019789	+	1	OS10G0559500	CUFF.3179	OS10T05595(x	TSS1510	0.0071182	
chr10 TCONS_00018826	XLOC_014228	22038946	22039238	+	1	NA	CUFF.3169	NA	u	TSS1511	1.713E-27
chr10 TCONS_00018827	XLOC_014256	22235311	22235774	+	1	NA	CUFF.3192	NA	u	TSS1514	3.414E-08

chr10 TCONS_00015863	XLOC_014281	22341126	22341386 +	1	NA	CUFF.2511 NA	u	TSS1517	1.54E-48
chr10 TCONS_00018832	XLOC_014282	22342092	22342591 +	1	NA	CUFF.3193 NA	u	TSS1517	1.508E-30
chr10 TCONS_00015865	XLOC_014285	22344426	22344698 +	1	NA	CUFF.2514 NA	u	TSS1517	0.018843
chr10 TCONS_00018840	XLOC_014301	22360474	22360854 +	1	NA	CUFF.3207 NA	u	TSS1519	3.206E-38
chr10 TCONS_00018841	XLOC_014302	22362100	22362388 +	1	NA	CUFF.3208 NA	u	TSS1519	0.024257
chr10 TCONS_00015939	XLOC_014358	22699831	22700075 +	1	OS10G0572400	CUFF.2556 OS10T05724(x		TSS1525	7.523E-18
chr10 TCONS_00015940	XLOC_014359	22700226	22700564 +	1	NA	CUFF.2551 NA	u	TSS1525	0.0001212
chr10 TCONS_00015943	XLOC_014363	22701457	22701659 +	1	NA	CUFF.2554 NA	u	TSS1525	2.292E-76
chr10 TCONS_00018849	XLOC_014377	22835814	22836017 +	1	NA	CUFF.3241 NA	u	TSS1527	6.268E-22
chr10 TCONS_00015959	XLOC_014381	22871069	22871573 +	1	OS10G0575200	CUFF.2568 OS10T05752(x		TSS1527	5.644E-48
chr10 TCONS_00018851	XLOC_014383	22873798	22874058 +	1	NA	CUFF.3249 NA	u	TSS1528	0
chr10 TCONS_00018854	XLOC_014386	22875987	22876252 +	1	NA	CUFF.3245 NA	u	TSS1528	6.901E-52
chr10 TCONS_00015980	XLOC_014404	22997190	22997395 +	1	NA	CUFF.2567 NA	u	TSS1530	0
chr10 TCONS_00018856	XLOC_014405	23024165	23024374 +	1	NA	CUFF.3254 NA	u	TSS1530	1.063E-19
chr10 TCONS_00018857	XLOC_014409	23038851	23039059 +	1	OS10G0577800	CUFF.3281 OS10T05778(i		TSS1530	3.414E-08
chr10 TCONS_00016010	XLOC_014433	23193166	23193374 +	1	OS10G0580900	CUFF.2578 OS10T05809(x		TSS1533	0
chr10 TCONS_00018859	XLOC_014435	23199586	23199983 +	1	NA	CUFF.3265 NA	u	TSS1533	2.514E-28
chr10 TCONS_00016012	XLOC_014436	23200097	23200675 +	1	NA	CUFF.2575 NA	u	TSS1533	9.392E-54
chr10 TCONS_00018864	XLOC_014520	858905	859106 -	1	NA	CUFF.2346 NA	u	TSS1542	7.187E-39
chr10 TCONS_00018865	XLOC_014521	859646	859852 -	1	NA	CUFF.2345 NA	u	TSS1542	2.638E-18
chr10 TCONS_00016161	XLOC_014585	1468730	1468950 -	1	NA	CUFF.1831 NA	u	TSS1549	0
chr10 TCONS_00016162	XLOC_014587	1469923	1470160 -	1	NA	CUFF.1830 NA	u	TSS1549	1.918E-45
chr10 TCONS_00018874	XLOC_014590	1532981	1533725 -	1	OS10G0124100	CUFF.2380 OS10T01241(x		TSS1549	1.904E-38
chr10 TCONS_00018876	XLOC_014601	1650076	1650278 -	1	NA	CUFF.2376 NA	u	TSS1550	2.869E-25
chr10 TCONS_00018882	XLOC_014691	2479150	2479447 -	1	OS10G0140200	CUFF.2416 OS10T01402(i		TSS1560	7.531E-07
chr10 TCONS_00018886	XLOC_014703	2555615	2556468 -	1	OS10G0141700	CUFF.2415 OS10T01417(i		TSS1561	0.86045
chr10 TCONS_00018891	XLOC_014781	3413981	3414197 -	1	NA	CUFF.2440 NA	u	TSS1569	3.649E-52
chr10 TCONS_00018896	XLOC_014890	4630265	4630511 -	1	NA	CUFF.2464 NA	u	TSS1580	4.127E-14
chr10 TCONS_00016476	XLOC_014891	4631278	4631480 -	1	NA	CUFF.1891 NA	u	TSS1580	6.536E-78
chr10 TCONS_00018897	XLOC_014892	4631607	4631940 -	1	NA	CUFF.2465 NA	u	TSS1581	5.393E-53
chr10 TCONS_00018898	XLOC_014893	4632205	4632436 -	1	NA	CUFF.2466 NA	u	TSS1581	1.527E-35
chr10 TCONS_00018902	XLOC_014925	5218223	5218425 -	1	NA	CUFF.2477 NA	u	TSS1584	1.527E-35
chr10 TCONS_00018904	XLOC_014941	5380691	5380960 -	1	OS10G0178200	CUFF.2484 OS10T01782(x		TSS1585	2.577E-56
chr10 TCONS_00016549	XLOC_014966	5733063	5733435 -	1	OS10G0183900	CUFF.1924 OS10T01839(i		TSS1588	1.218E-16
chr10 TCONS_00016550	XLOC_014967	5734394	5734639 -	1	OS10G0183900	CUFF.1925 OS10T01839(i		TSS1588	1.375E-11

chr10 TCONS_00018910	XLOC_014976	5785951	5786177 -	1	NA	CUFF.2502 NA	u	TSS1589	3.249E-27
chr10 TCONS_00018911	XLOC_014977	5786818	5787448 -	1	NA	CUFF.2511 NA	u	TSS1589	0.005791
chr10 TCONS_00016585	XLOC_015005	6071405	6071628 -	1	NA	CUFF.1923 NA	u	TSS1592	7.632E-32
chr10 TCONS_00018915	XLOC_015011	6108583	6108916 -	1	OS10G0188300	CUFF.2539 OS10T01883(x		TSS1593	5.016E-18
chr10 TCONS_00018917	XLOC_015013	6133595	6134235 -	1	NA	CUFF.2514 NA	u	TSS1593	1.643E-15
chr10 TCONS_00018922	XLOC_015090	7251915	7252265 -	1	NA	CUFF.2537 NA	u	TSS1601	2.654E-11
chr10 TCONS_00016683	XLOC_015105	7394618	7394824 -	1	OS10G0203600	CUFF.1948 OS10T02036(x		TSS1603	1.595E-53
chr10 TCONS_00018929	XLOC_015192	8724617	8724931 -	1	NA	CUFF.2565 NA	u	TSS1612	1.518E-11
chr10 TCONS_00018932	XLOC_015199	8826535	8827688 -	1	NA	CUFF.2575 NA	u	TSS1612	9.583E-18
chr10 TCONS_00016778	XLOC_015203	8901998	8902202 -	1	OS10G0323000	CUFF.1979 OS10T03230(i		TSS1613	0
chr10 TCONS_00016779	XLOC_015204	8911239	8911445 -	1	NA	CUFF.1972 NA	u	TSS1613	6.775E-44
chr10 TCONS_00016783	XLOC_015208	8944044	8944258 -	1	NA	CUFF.1976 NA	u	TSS1613	0
chr10 TCONS_00016785	XLOC_015211	8981055	8981279 -	1	OS10G0324600	CUFF.1980 OS10T03246(i		TSS1614	9.688E-29
chr10 TCONS_00018934	XLOC_015213	8996900	8997251 -	1	LHP1	CUFF.2572 OS10T03249(x		TSS1614	0.024257
chr10 TCONS_00016802	XLOC_015231	9166197	9166421 -	1	NA	CUFF.1981 NA	u	TSS1616	2.717E-30
chr10 TCONS_00018937	XLOC_015238	9268943	9269415 -	1	OS10G0329400	CUFF.2585 OS10T03294(i		TSS1616	4.898E-64
chr10 TCONS_00018941	XLOC_015272	9773717	9773920 -	1	OS10G0337500	CUFF.2597 OS10T03375(i		TSS1620	2.859E-30
chr10 TCONS_00018942	XLOC_015279	9900578	9900785 -	1	NA	CUFF.2588 NA	u	TSS1621	2.26E-21
chr10 TCONS_00018949	XLOC_015301	10090582	10091028 -	1	CSLH1	CUFF.2616 OS10T03417(i		TSS1623	2.02E-19
chr10 TCONS_00018953	XLOC_015380	10837275	10837991 -	1	NA	CUFF.2629 NA	u	TSS1631	1.57E-08
chr10 TCONS_00016947	XLOC_015381	10838842	10839769 -	1	NA	CUFF.2025 NA	u	TSS1631	3.044E-75
chr10 TCONS_00016955	XLOC_015389	10863063	10863416 -	1	NA	CUFF.2027 NA	u	TSS1632	9.35E-50
chr10 TCONS_00016962	XLOC_015396	10878287	10878510 -	1	NA	CUFF.2028 NA	u	TSS1633	6.497E-27
chr10 TCONS_00018954	XLOC_015406	10909533	10911160 -	1	NCRNA_1515	CUFF.5888 NCRNA_151:x		TSS1634	7.39E-14
chr10 TCONS_00018956	XLOC_015425	11080923	11081363 -	1	OS10G0360600	CUFF.6034 OS10T03606(i		TSS1636	3.56E-10
chr10 TCONS_00016992	XLOC_015426	11082566	11082770 -	1	OS10G0360600	CUFF.2036 OS10T03606(i		TSS1636	0
chr10 TCONS_00018959	XLOC_015448	11279541	11280352 -	1	NA	CUFF.6171 NA	u	TSS1639	8.713E-12
chr10 TCONS_00017018	XLOC_015449	11280603	11280810 -	1	NA	CUFF.2047 NA	u	TSS1639	0.0009578
chr10 TCONS_00017019	XLOC_015450	11280923	11281291 -	1	NA	CUFF.2044 NA	u	TSS1639	2.661E-08
chr10 TCONS_00017040	XLOC_015474	11568323	11568529 -	1	NA	CUFF.2061 NA	u	TSS1641	3.657E-58
chr10 TCONS_00018965	XLOC_015477	11579840	11580931 -	1	NCRNA_1804	CUFF.6254 NCRNA_180:x		TSS1642	6.516E-10
chr10 TCONS_00017083	XLOC_015514	11984906	11985219 -	1	OS10G0376200	CUFF.2091 OS10T03762(i		TSS1646	9.708E-34
chr10 TCONS_00017121	XLOC_015548	12329148	12329369 -	1	OS10G0382300	CUFF.2101 OS10T03823(i		TSS1649	1.228E-30
chr10 TCONS_00017148	XLOC_015574	12837307	12837639 -	1	OS10G0388500	CUFF.2116 OS10T03885(i		TSS1652	6.429E-84
chr10 TCONS_00017149	XLOC_015575	12838125	12838848 -	1	OS10G0388500	CUFF.2117 OS10T03885(i		TSS1652	5.443E-46

chr10 TCONS_00017150	XLOC_015576	12839491	12840119	-	1	OS10G0388500	CUFF.2118 OS10T03885(i	TSS1653	5.832E-57
chr10 TCONS_00017151	XLOC_015577	12840954	12841165	-	1	OS10G0388500	CUFF.2122 OS10T03885(i	TSS1653	0
chr10 TCONS_00017152	XLOC_015578	12842740	12842960	-	1	OS10G0388500	CUFF.2124 OS10T03885(i	TSS1653	0
chr10 TCONS_00018971	XLOC_015580	12865221	12865433	-	1	NCRNA_5086	CUFF.2670 NCRNA_508(x	TSS1653	9.369E-17
chr10 TCONS_00018972	XLOC_015599	12983413	12984076	-	1	OS10G0390701	CUFF.2678 OS10T03907(x	TSS1655	4.568E-12
chr10 TCONS_00017180	XLOC_015603	13010218	13010930	-	1	NA	CUFF.2121 NA u	TSS1655	2.154E-25
chr10 TCONS_00018975	XLOC_015605	13011684	13012097	-	1	OS10G0391100	CUFF.2681 OS10T03911(x	TSS1656	3.839E-19
chr10 TCONS_00017251	XLOC_015665	13543928	13544305	-	1	OS10G0400900	CUFF.2140 OS10T04009(i	TSS1662	5.848E-09
chr10 TCONS_00017342	XLOC_015756	14242906	14243184	-	1	NA	CUFF.2151 NA u	TSS1672	0
chr10 TCONS_00017343	XLOC_015758	14248166	14248505	-	1	NA	CUFF.2154 NA u	TSS1672	4.829E-23
chr10 TCONS_00017346	XLOC_015761	14251685	14251900	-	1	NA	CUFF.2153 NA u	TSS1672	6.078E-62
chr10 TCONS_00018991	XLOC_015776	14331544	14331791	-	1	NA	CUFF.2724 NA u	TSS1674	4.766E-28
chr10 TCONS_00017383	XLOC_015799	14534677	14535262	-	1	OS10G0415600	CUFF.2180 OS10T04156(i	TSS1677	2.395E-42
chr10 TCONS_00018994	XLOC_015799	14535152	14535836	-	1	OS10G0415600	CUFF.2756 OS10T04156(i	TSS1677	2.977E-07
chr10 TCONS_00017385	XLOC_015800	14545719	14545936	-	1	OS10G0415800	CUFF.2167 OS10T04158(x	TSS1677	1.357E-39
chr10 TCONS_00017390	XLOC_015805	14601597	14601816	-	1	NA	CUFF.2168 NA u	TSS1677	1.979E-50
chr10 TCONS_00018998	XLOC_015855	15048357	15048559	-	1	NA	CUFF.2752 NA u	TSS1682	6.268E-22
chr10 TCONS_00017439	XLOC_015857	15074774	15075007	-	1	NA	CUFF.2185 NA u	TSS1682	2.235E-14
chr10 TCONS_00019002	XLOC_015881	15367272	15367622	-	1	NA	CUFF.2763 NA u	TSS1685	3.718E-24
chr10 TCONS_00019003	XLOC_015882	15368861	15369072	-	1	NA	CUFF.2762 NA u	TSS1685	1.399E-43
chr10 TCONS_00019009	XLOC_015942	15828465	15828783	-	1	NA	CUFF.2781 NA u	TSS1691	3.325E-17
chr10 TCONS_00017557	XLOC_015972	16095574	16095820	-	1	OS10G0445500	CUFF.2222 OS10T04455(i	TSS1695	1.159E-09
chr10 TCONS_00017562	XLOC_015977	16133498	16133712	-	1	NA	CUFF.2219 NA u	TSS1695	8.968E-51
chr10 TCONS_00017576	XLOC_015990	16265572	16265800	-	1	NA	CUFF.2225 NA u	TSS1696	5.185E-37
chr10 TCONS_00019014	XLOC_016017	16660508	16660952	-	1	NA	CUFF.2812 NA u	TSS1699	1.991E-12
chr10 TCONS_00017615	XLOC_016029	16750986	16751198	-	1	OS10G0457000	CUFF.2251 OS10T04570(i	TSS1700	1.772E-74
chr10 TCONS_00019025	XLOC_016125	17608338	17609072	-	1	NA	CUFF.2880 NA u	TSS1711	3.147E-44
chr10 TCONS_00019029	XLOC_016128	17611454	17611770	-	1	NA	CUFF.2885 NA u	TSS1712	3.721E-34
chr10 TCONS_00019030	XLOC_016145	17757253	17757483	-	1	OS10G0476600	CUFF.2900 OS10T04766(i	TSS1713	2.217E-31
chr10 TCONS_00019031	XLOC_016146	17758269	17758644	-	1	OS10G0476600	CUFF.2903 OS10T04766(i	TSS1714	6.821E-10
chr10 TCONS_00019034	XLOC_016155	17789281	17789573	-	1	OS10G0477000	CUFF.2913 OS10T04770(i	TSS1715	7.056E-24
chr10 TCONS_00019042	XLOC_016194	18034557	18034928	-	1	NA	CUFF.2909 NA u	TSS1719	4.293E-21
chr10 TCONS_00017787	XLOC_016199	18037529	18037699	-	1	NCRNA_42041	CUFF.2306 NCRNA_420(x	TSS1719	0.029675
chr10 TCONS_00019043	XLOC_016199	18037540	18037792	-	1	NA	CUFF.2911 NA u	TSS1719	1.549E-20
chr10 TCONS_00019044	XLOC_016199	18038344	18038581	-	1	NA	CUFF.2915 NA u	TSS1719	4.716E-58

chr10 TCONS_00019047	XLOC_016249	18421219	18421506	-	1	OS10G0486900	CUFF.2936 OS10T04869(x	TSS1724	2.217E-31
chr10 TCONS_00019049	XLOC_016252	18452862	18453228	-	1	OS10G0487600	CUFF.2941 OS10T04876(i	TSS1725	0.051036
chr10 TCONS_00017845	XLOC_016259	18531315	18531520	-	1	NA	CUFF.2321 NA	u	TSS1725 1.095E-81
chr10 TCONS_00017846	XLOC_016260	18531714	18531947	-	1	NA	CUFF.2319 NA	u	TSS1725 1.315E-08
chr10 TCONS_00019053	XLOC_016276	18657236	18657440	-	1	OS10G0491400	CUFF.2947 OS10T04914(x	TSS1727	2.638E-18
chr10 TCONS_00019056	XLOC_016290	18736403	18736757	-	1	OS10G0493600	CUFF.2974 OS10T04936(i	TSS1729	2.817E-86
chr10 TCONS_00017902	XLOC_016314	18877145	18877360	-	1	NA	CUFF.2339 NA	u	TSS1731 2.741E-25
chr10 TCONS_00017903	XLOC_016315	18877463	18877761	-	1	NA	CUFF.2340 NA	u	TSS1731 1.657E-47
chr10 TCONS_00017910	XLOC_016323	18915848	18916057	-	1	NA	CUFF.2343 NA	u	TSS1732 1.345E-78
chr10 TCONS_00019062	XLOC_016346	19053661	19054047	-	1	NA	CUFF.2976 NA	u	TSS1735 6.667E-12
chr10 TCONS_00017931	XLOC_016347	19054465	19054937	-	1	NA	CUFF.2357 NA	u	TSS1735 0
chr10 TCONS_00019063	XLOC_016347	19054366	19054821	-	1	NA	CUFF.2977 NA	u	TSS1735 0
chr10 TCONS_00019066	XLOC_016360	19131484	19132721	-	1	OS10G0501500	CUFF.2982 OS10T05015(x	TSS1736	9.145E-23
chr10 TCONS_00019073	XLOC_016415	19557690	19557963	-	1	OS10G0509100	CUFF.3016 OS10T05091(i	TSS1743	1.742E-55
chr10 TCONS_00019074	XLOC_016432	19677627	19677882	-	1	OS10G0511400	CUFF.3015 OS10T05114(i	TSS1744	2.497E-05
chr10 TCONS_00019076	XLOC_016436	19705223	19705500	-	1	NA	CUFF.3007 NA	u	TSS1745 0.024257
chr10 TCONS_00019079	XLOC_016439	19710118	19710507	-	1	NA	CUFF.3010 NA	u	TSS1745 2.66E-34
chr10 TCONS_00019080	XLOC_016440	19710593	19711148	-	1	NA	CUFF.3011 NA	u	TSS1745 6.058E-25
chr10 TCONS_00019084	XLOC_016473	19997708	19998137	-	1	OS10G0517400	CUFF.3038 OS10T05174(x	TSS1749	3.839E-19
chr10 TCONS_00018073	XLOC_016490	20110132	20110334	-	1	OS10G0520100	CUFF.2391 OS10T05201(x	TSS1750	1.073E-53
chr10 TCONS_00018098	XLOC_016514	20254440	20254842	-	1	NA	CUFF.2399 NA	u	TSS1753 1.703E-36
chr10 TCONS_00019093	XLOC_016514	20253922	20254558	-	1	NA	CUFF.3058 NA	u	TSS1753 6.746E-06
chr10 TCONS_00018111	XLOC_016527	20374701	20375356	-	1	OS10G0524300	CUFF.2403 OS10T05243(x	TSS1755	4.974E-06
chr10 TCONS_00019097	XLOC_016545	20463753	20464004	-	1	NA	CUFF.3072 NA	u	TSS1757 1.179E-54
chr10 TCONS_00018165	XLOC_016580	20770619	20770974	-	1	OS10G0533900	CUFF.2425 OS10T05339(i	TSS1760	1.315E-66
chr10 TCONS_00018186	XLOC_016598	20888066	20888288	-	1	OS10G0536400	CUFF.2438 OS10T05364(i	TSS1762	7.143E-38
chr10 TCONS_00019105	XLOC_016600	20889031	20889551	-	1	OS10G0536400	CUFF.3106 OS10T05364(i	TSS1763	1.536E-20
chr10 TCONS_00019107	XLOC_016604	20890942	20891143	-	1	OS10G0536400	CUFF.3116 OS10T05364(x	TSS1763	1.339E-23
chr10 TCONS_00018207	XLOC_016620	21005071	21005319	-	1	NA	CUFF.2440 NA	u	TSS1765 1.356E-15
chr10 TCONS_00018222	XLOC_016634	21070694	21070923	-	1	OS10G0540300	CUFF.2446 OS10T05403(i	TSS1766	3.233E-38
chr10 TCONS_00019110	XLOC_016640	21130614	21130820	-	1	NA	CUFF.3102 NA	u	TSS1767 1.25E-16
chr10 TCONS_00019114	XLOC_016652	21200455	21200526	-	1	NA	CUFF.3104 NA	u	TSS1768 9.301E-15
chr10 TCONS_00018241	XLOC_016654	21203037	21203248	-	1	NA	CUFF.2449 NA	u	TSS1768 8.074E-47
chr10 TCONS_00019116	XLOC_016669	21295983	21296254	-	1	OS10G0544900	CUFF.3121 OS10T05449(i	TSS1770	2.529E-33
chr10 TCONS_00018267	XLOC_016681	21396825	21397060	-	1	NA	CUFF.2460 NA	u	TSS1771 6.529E-34

chr10 TCONS_00019118	XLOC_016712	21573225	21573495	-	1	NCRNA_5185	CUFF.3130 NCRNA_518:x	TSS1775	6.161E-27
chr10 TCONS_00018327	XLOC_016738	21732481	21732688	-	1	OS10G0553900	CUFF.2474 OS10T05539(i	TSS1777	0
chr10 TCONS_00019125	XLOC_016758	21876467	21876670	-	1	NA	CUFF.3145 NA u	TSS1780	2.638E-18
chr10 TCONS_00019126	XLOC_016764	21913686	21913960	-	1	OS10G0556900	CUFF.3176 OS10T05569(i	TSS1780	2.943E-20
chr10 TCONS_00019135	XLOC_016835	22313013	22313435	-	1	OS10G0564900	CUFF.3201 OS10T05649(i	TSS1788	4.397E-07
chr10 TCONS_00018428	XLOC_016836	22320201	22320433	-	1	OS10G0565000	CUFF.2509 OS10T05650(x	TSS1788	8.316E-26
chr10 TCONS_00019139	XLOC_016876	22582284	22582885	-	1	OS10G0569600	CUFF.3240 OS10T05696(x	TSS1792	1.504E-10
chr10 TCONS_00018473	XLOC_016879	22596673	22596895	-	1	NA	CUFF.2545 NA u	TSS1793	3.935E-46
chr10 TCONS_00019149	XLOC_016932	22938968	22939254	-	1	OS10G0576000	CUFF.3251 OS10T05760(x	TSS1799	0
chr10 TCONS_00018540	XLOC_016948	23057840	23058079	-	1	OS10G0578050	CUFF.2573 OS10T05780(i	TSS1800	9.83E-24
chr10 TCONS_00018541	XLOC_016950	23062807	23063025	-	1	NA	CUFF.2570 NA u	TSS1800	0
chr10 TCONS_00019154	XLOC_016951	23063044	23063489	-	1	NA	CUFF.3257 NA u	TSS1801	1.512E-25
chr10 TCONS_00018567	XLOC_016978	7699322	7699535	.	1	OS10G0208600	CUFF.1966 OS10T02086(i	TSS1803	2.074E-19
chr10 TCONS_00018568	XLOC_016981	11195725	11195938	.	1	OS10G0362300	CUFF.2067 OS10T03623(i	TSS1804	1.291E-45
chr10 TCONS_00019163	XLOC_016984	11568234	11568438	.	1	NA	CUFF.6249 NA u	TSS1804	1.17E-31
chr10 TCONS_00019164	XLOC_016985	11631532	11631739	.	1	OS10G0370000	CUFF.6257 OS10T03700(i	TSS1804	5.016E-18
chr10 TCONS_00019165	XLOC_016986	11669914	11670117	.	1	OS10G0370500	CUFF.6259 OS10T03705(i	TSS1804	2.943E-20
chr10 TCONS_00018569	XLOC_016988	16232432	16232637	.	1	OS10G0447900	CUFF.2227 OS10T04479(i	TSS1804	1.575E-70
chr11 TCONS_00019190	XLOC_017008	122276	122488	+	1	OS11G0102900	CUFF.2590 OS11T01029(x	TSS1807	2.146E-33
chr11 TCONS_00025741	XLOC_017022	202019	202374	+	1	OS11G0104400	CUFF.3279 OS11T01044(i	TSS1808	1.965E-34
chr11 TCONS_00019296	XLOC_017108	730915	731573	+	1	OS11G0116300	CUFF.2614 OS11T01163(i	TSS1817	2.44E-43
chr11 TCONS_00019375	XLOC_017187	1383695	1383915	+	1	OS11G0130100	CUFF.2620 OS11T01301(i	TSS1826	3.518E-53
chr11 TCONS_00025755	XLOC_017211	1559406	1559710	+	1	NA	CUFF.3344 NA u	TSS1828	1.027E-29
chr11 TCONS_00025761	XLOC_017239	1718788	1719020	+	1	OS11G0137250	CUFF.3348 OS11T01372(x	TSS1831	1.654E-63
chr11 TCONS_00025762	XLOC_017240	1733130	1733501	+	1	OS11G0137300	CUFF.3355 OS11T01373(x	TSS1831	5.476E-35
chr11 TCONS_00025765	XLOC_017256	1832573	1835954	+	1	OS11G0139700	CUFF.3428 OS11T01397(x	TSS1833	0
chr11 TCONS_00025766	XLOC_017257	1843643	1844188	+	1	OS11G0139900	CUFF.3373 OS11T01399(i	TSS1833	3.713E-24
chr11 TCONS_00025767	XLOC_017258	1844780	1845354	+	1	OS11G0139900	CUFF.3380 OS11T01399(i	TSS1833	7.297E-19
chr11 TCONS_00025768	XLOC_017259	1845624	1846792	+	1	OS11G0139900	CUFF.3382 OS11T01399(i	TSS1833	0.23512
chr11 TCONS_00019440	XLOC_017260	1847007	1847238	+	1	OS11G0139900	CUFF.2641 OS11T01399(i	TSS1833	9.708E-34
chr11 TCONS_00019442	XLOC_017262	1868797	1869113	+	1	NA	CUFF.2635 NA u	TSS1834	0
chr11 TCONS_00019444	XLOC_017264	1871326	1871588	+	1	OS11G0140600	CUFF.2651 OS11T01406(i	TSS1834	3.296E-88
chr11 TCONS_00025775	XLOC_017305	2149505	2149784	+	1	OS11G0147150	CUFF.3379 OS11T01471(i	TSS1838	4.874E-69
chr11 TCONS_00025777	XLOC_017307	2150444	2150799	+	1	OS11G0147150	CUFF.3381 OS11T01471(i	TSS1839	2.248E-36
chr11 TCONS_00019502	XLOC_017319	2252880	2253421	+	1	NA	CUFF.2659 NA u	TSS1840	1.263E-11

chr11 TCONS_00019503	XLOC_017320	2253972	2254465 +	1	NA	CUFF.2663 NA	u	TSS1840	1.154E-48
chr11 TCONS_00025781	XLOC_017320	2254001	2254468 +	1	NA	CUFF.3388 NA	u	TSS1840	5.958E-36
chr11 TCONS_00019504	XLOC_017324	2258322	2258550 +	1	NA	CUFF.2661 NA	u	TSS1840	2.146E-33
chr11 TCONS_00019552	XLOC_017369	2610399	2610615 +	1	OS11G0155600	CUFF.2675 OS11T01556(i		TSS1845	0
chr11 TCONS_00019589	XLOC_017405	2862295	2862513 +	1	OS11G0159000	CUFF.2686 OS11T01590(i		TSS1849	0
chr11 TCONS_00025792	XLOC_017407	2864424	2864736 +	1	OS11G0159000	CUFF.3421 OS11T01590(i		TSS1849	0.024257
chr11 TCONS_00025793	XLOC_017414	2914813	2915032 +	1	OS11G0160100	CUFF.3422 OS11T01601(i		TSS1850	3.047E-45
chr11 TCONS_00025794	XLOC_017441	3118198	3118534 +	1	NA	CUFF.3424 NA	u	TSS1853	1.043E-12
chr11 TCONS_00025795	XLOC_017472	3307325	3307667 +	1	OS11G0168500	CUFF.3434 OS11T01685(x		TSS1856	1.063E-19
chr11 TCONS_00025803	XLOC_017569	4154874	4155075 +	1	NA	CUFF.3477 NA	u	TSS1866	1.339E-23
chr11 TCONS_00025806	XLOC_017573	4190634	4191105 +	1	NA	CUFF.3481 NA	u	TSS1867	5.361E-22
chr11 TCONS_00019846	XLOC_017656	4992318	4992521 +	1	OS11G0199600	CUFF.2755 OS11T01996(i		TSS1875	0
chr11 TCONS_00019937	XLOC_017741	5631574	5631878 +	1	OS11G0209502	CUFF.2780 OS11T02095(i		TSS1884	3.46E-27
chr11 TCONS_00019945	XLOC_017751	5674586	5674806 +	1	OS11G0209900	CUFF.2784 OS11T02099(i		TSS1885	9.037E-25
chr11 TCONS_00025821	XLOC_017764	5792402	5792753 +	1	NA	CUFF.3552 NA	u	TSS1887	4.757E-15
chr11 TCONS_00025835	XLOC_017921	7207829	7208036 +	1	NA	CUFF.3593 NA	u	TSS1903	4.766E-28
chr11 TCONS_00020145	XLOC_017956	7587747	7587962 +	1	OS11G0241900	CUFF.2831 OS11T02419(i		TSS1907	3.559E-42
chr11 TCONS_00025841	XLOC_017976	7758420	7758620 +	1	NA	CUFF.3617 NA	u	TSS1909	7.056E-24
chr11 TCONS_00025842	XLOC_017977	7758786	7759466 +	1	NA	CUFF.3618 NA	u	TSS1909	7.651E-15
chr11 TCONS_00025844	XLOC_017988	7821962	7822225 +	1	OS11G0245500	CUFF.3630 OS11T02455(i		TSS1910	4.877E-38
chr11 TCONS_00025846	XLOC_018020	8102468	8102675 +	1	OS11G0250000	CUFF.3644 OS11T02500(i		TSS1913	4.791E-33
chr11 TCONS_00025847	XLOC_018023	8132814	8133053 +	1	OS11G0250400	CUFF.3662 OS11T02504(i		TSS1914	1.965E-34
chr11 TCONS_00025848	XLOC_018026	8167147	8167567 +	1	OS11G0251400	CUFF.3664 OS11T02514(i		TSS1914	2.627E-82
chr11 TCONS_00025850	XLOC_018037	8302075	8302278 +	1	NA	CUFF.3647 NA	u	TSS1915	2.638E-18
chr11 TCONS_00025853	XLOC_018046	8422045	8422276 +	1	OS11G0256050	CUFF.3660 OS11T02560(i		TSS1916	1.361E-38
chr11 TCONS_00020233	XLOC_018049	8450654	8450887 +	1	NA	CUFF.2851 NA	u	TSS1916	8.985E-35
chr11 TCONS_00020285	XLOC_018101	9006909	9007138 +	1	OS11G0264700	CUFF.2874 OS11T02647(x		TSS1922	1.827E-30
chr11 TCONS_00025859	XLOC_018113	9114208	9114725 +	1	OS11G0266000	CUFF.3683 OS11T02660(x		TSS1923	7.297E-19
chr11 TCONS_00020332	XLOC_018146	9426631	9426840 +	1	OS11G0270500	CUFF.2896 OS11T02705(i		TSS1926	2.957E-61
chr11 TCONS_00020363	XLOC_018179	9819551	9819765 +	1	OS11G0276300	CUFF.2902 OS11T02763(i		TSS1930	5.435E-47
chr11 TCONS_00025869	XLOC_018250	10655396	10655632 +	1	NA	CUFF.3721 NA	u	TSS1937	1.033E-24
chr11 TCONS_00025870	XLOC_018256	10741701	10742598 +	1	OS11G0293900	CUFF.3737 OS11T02939(i		TSS1937	4.733E-25
chr11 TCONS_00020439	XLOC_018257	10744169	10744442 +	1	OS11G0293900	CUFF.2925 OS11T02939(i		TSS1937	7.522E-18
chr11 TCONS_00020444	XLOC_018261	10790257	10790587 +	1	OS11G0294600	CUFF.2922 OS11T02946(i		TSS1938	0
chr11 TCONS_00025872	XLOC_018261	10790084	10790414 +	1	OS11G0294600	CUFF.3764 OS11T02946(i		TSS1938	3.907E-44

chr11 TCONS_00025875	XLOC_018322	11444320	11444531	+	1	OS11G0303800	CUFF.3782	OS11T030380(i	TSS1945	3.405E-06	
chr11 TCONS_00025876	XLOC_018323	11445148	11445477	+	1	OS11G0303800	CUFF.3787	OS11T030380(i	TSS1945	6.821E-10	
chr11 TCONS_00020530	XLOC_018342	11714197	11714398	+	1	OS11G0307950	CUFF.2937	OS11T030795(i	TSS1947	1.541E-10	
chr11 TCONS_00020533	XLOC_018346	11745619	11745858	+	1	NA	CUFF.2938	NA	u	TSS1947	7.06E-28
chr11 TCONS_00025879	XLOC_018347	11745936	11746283	+	1	NA	CUFF.3780	NA	u	TSS1947	2.165E-14
chr11 TCONS_00025882	XLOC_018352	11750080	11750572	+	1	OS11G0308266	CUFF.3788	OS11T030826(i	TSS1948	4.127E-14	
chr11 TCONS_00020537	XLOC_018355	11754592	11755033	+	1	NA	CUFF.2940	NA	u	TSS1948	3.407E-07
chr11 TCONS_00025886	XLOC_018356	11758760	11758973	+	1	NA	CUFF.3772	NA	u	TSS1948	2.113E-62
chr11 TCONS_00020538	XLOC_018357	11759863	11760064	+	1	NA	CUFF.2943	NA	u	TSS1949	0
chr11 TCONS_00025887	XLOC_018357	11759417	11759979	+	1	NA	CUFF.3773	NA	u	TSS1948	9.077E-33
chr11 TCONS_00025890	XLOC_018372	11957009	11957411	+	1	OS11G0311100	CUFF.3779	OS11T031110(x	TSS1950	1.033E-24	
chr11 TCONS_00025894	XLOC_018625	12635981	12636197	+	1	OS11G0414000	CUFF.3809	OS11T041400(i	TSS1975	3.127E-63	
chr11 TCONS_00025898	XLOC_018655	13281230	13281943	+	1	NA	CUFF.3800	NA	u	TSS1978	1.041E-09
chr11 TCONS_00025899	XLOC_018656	13282092	13282396	+	1	NA	CUFF.3797	NA	u	TSS1979	6.268E-22
chr11 TCONS_00025902	XLOC_018679	13635716	13635924	+	1	OS11G0427500	CUFF.3808	OS11T042750(i	TSS1981	2.26E-21	
chr11 TCONS_00020876	XLOC_018702	13853409	13853885	+	1	NA	CUFF.2960	NA	u	TSS1983	5.617E-52
chr11 TCONS_00020878	XLOC_018705	13862345	13862715	+	1	NA	CUFF.2959	NA	u	TSS1984	3.599E-09
chr11 TCONS_00021051	XLOC_018865	15796489	15796690	+	1	NA	CUFF.2988	NA	u	TSS2000	0
chr11 TCONS_00021088	XLOC_018899	16218792	16219032	+	1	NA	CUFF.2997	NA	u	TSS2004	7.74E-10
chr11 TCONS_00021089	XLOC_018901	16221804	16222011	+	1	NA	CUFF.2998	NA	u	TSS2004	6.217E-73
chr11 TCONS_00021114	XLOC_018927	16428904	16429160	+	1	NA	CUFF.3003	NA	u	TSS2007	0
chr11 TCONS_00021121	XLOC_018932	16440269	16440708	+	1	KSL8	CUFF.3026	OS11T04748(x	TSS2007	1.596E-50	
chr11 TCONS_00021126	XLOC_018937	16460878	16461101	+	1	OS11G0475200	CUFF.3018	OS11T047520(i	TSS2008	1.062E-37	
chr11 TCONS_00025922	XLOC_018959	16789394	16789724	+	1	NA	CUFF.3883	NA	u	TSS2010	7.264E-12
chr11 TCONS_00025924	XLOC_018969	16918969	16919182	+	1	OS11G0482000	CUFF.3906	OS11T048200(i	TSS2011	1.307E-09	
chr11 TCONS_00021187	XLOC_018997	17132097	17132335	+	1	NA	CUFF.3030	NA	u	TSS2014	1.839E-35
chr11 TCONS_00021190	XLOC_019000	17176566	17176781	+	1	NA	CUFF.3031	NA	u	TSS2015	5.596E-36
chr11 TCONS_00021274	XLOC_019087	18077318	18077531	+	1	NA	CUFF.3050	NA	u	TSS2024	1.611E-42
chr11 TCONS_00021309	XLOC_019118	18429592	18429812	+	1	NA	CUFF.3061	NA	u	TSS2027	1.871E-40
chr11 TCONS_00025938	XLOC_019123	18436939	18437540	+	1	NA	CUFF.3946	NA	u	TSS2027	0.20934
chr11 TCONS_00025939	XLOC_019126	18463971	18464287	+	1	OS11G0515000	CUFF.3950	OS11T051500(x	TSS2028	1.512E-25	
chr11 TCONS_00021371	XLOC_019184	19082764	19082965	+	1	OS11G0525900	CUFF.3077	OS11T052590(x	TSS2034	2.507E-69	
chr11 TCONS_00025947	XLOC_019249	19575680	19576101	+	1	OS11G0536800	CUFF.3979	OS11T053680(x	TSS2040	1.136E-14	
chr11 TCONS_00021443	XLOC_019254	19590216	19590458	+	1	OS11G0537375	CUFF.3140	OS11T053737(i	TSS2041	5.047E-18	
chr11 TCONS_00021444	XLOC_019255	19590531	19590745	+	1	OS11G0537375	CUFF.3141	OS11T053737(i	TSS2041	5.435E-47	

chr11 TCONS_00025948	XLOC_019256	19591779	19591980	+	1	OS11G0537375	CUFF.4033 OS11T0537375(i	TSS2041	1.387E-18
chr11 TCONS_00021455	XLOC_019266	19716041	19716267	+	1	OS11G0539800	CUFF.3991 OS11T0539800(x	TSS2042	0
chr11 TCONS_00025953	XLOC_019271	19730791	19731250	+	1	OS11G0540100	CUFF.4022 OS11T0540100(i	TSS2043	1.448E-48
chr11 TCONS_00025955	XLOC_019294	19978322	19978525	+	1	NA	CUFF.3988 NA u	TSS2045	2.869E-25
chr11 TCONS_00021484	XLOC_019299	19995771	19995994	+	1	OS11G0544200	CUFF.3102 OS11T0544200(i	TSS2046	1.159E-09
chr11 TCONS_00021492	XLOC_019308	20095289	20095595	+	1	NA	CUFF.3105 NA u	TSS2047	4.187E-73
chr11 TCONS_00025970	XLOC_019377	20661398	20661602	+	1	OS11G0556132	CUFF.4024 OS11T0556132(i	TSS2054	1.217E-41
chr11 TCONS_00025974	XLOC_019467	21482645	21482855	+	1	OS11G0572500	CUFF.4056 OS11T0572500(i	TSS2064	7.959E-31
chr11 TCONS_00021658	XLOC_019470	21514937	21515137	+	1	NA	CUFF.3147 NA u	TSS2064	0
chr11 TCONS_00021708	XLOC_019519	21887422	21887654	+	1	OS11G0579700	CUFF.3160 OS11T0579700(i	TSS2069	0
chr11 TCONS_00021717	XLOC_019527	21991644	21991874	+	1	NA	CUFF.3158 NA u	TSS2070	0.012046
chr11 TCONS_00025978	XLOC_019539	22130381	22130592	+	1	NA	CUFF.4065 NA u	TSS2071	1.136E-14
chr11 TCONS_00025983	XLOC_019583	22469657	22469983	+	1	OS11G0591200	CUFF.4091 OS11T0591200(x	TSS2076	1.339E-23
chr11 TCONS_00025984	XLOC_019594	22516562	22516764	+	1	OS11G0592300	CUFF.4094 OS11T0592300(x	TSS2077	2.881E-79
chr11 TCONS_00021909	XLOC_019711	23472871	23473210	+	1	OS11G0607900	CUFF.3331 OS11T0607900(i	TSS2089	2.289E-48
chr11 TCONS_00025991	XLOC_019712	23473994	23474218	+	1	OS11G0607900	CUFF.4146 OS11T0607900(i	TSS2090	2.643E-14
chr11 TCONS_00021910	XLOC_019713	23475099	23475303	+	1	OS11G0607900	CUFF.3342 OS11T0607900(i	TSS2090	3.834E-41
chr11 TCONS_00025994	XLOC_019724	23617931	23618131	+	1	OS11G0610700	CUFF.4131 OS11T0610700(i	TSS2091	8.061E-36
chr11 TCONS_00025996	XLOC_019758	24086705	24087075	+	1	NA	CUFF.4152 NA u	TSS2095	1.501E-13
chr11 TCONS_00021965	XLOC_019763	24147415	24147652	+	1	NCRNA_8299	CUFF.3238 NCRNA_8299(x	TSS2095	6.603E-24
chr11 TCONS_00025998	XLOC_019765	24165880	24166084	+	1	NA	CUFF.4155 NA u	TSS2095	2.529E-33
chr11 TCONS_00021967	XLOC_019766	24168872	24169104	+	1	OS11G0620000	CUFF.3239 OS11T0620000(i	TSS2096	8.316E-26
chr11 TCONS_00021981	XLOC_019777	24211750	24212134	+	1	OS11G0621000	CUFF.3242 OS11T0621000(i	TSS2097	0.0001289
chr11 TCONS_00021997	XLOC_019792	24421678	24421982	+	1	NA	CUFF.3248 NA u	TSS2099	6.118E-73
chr11 TCONS_00026000	XLOC_019792	24421526	24421869	+	1	NA	CUFF.4167 NA u	TSS2098	5.05E-05
chr11 TCONS_00026001	XLOC_019793	24423513	24423924	+	1	NA	CUFF.4166 NA u	TSS2099	3.907E-44
chr11 TCONS_00026002	XLOC_019794	24425046	24425309	+	1	NA	CUFF.4165 NA u	TSS2099	0
chr11 TCONS_00022002	XLOC_019802	24432026	24432326	+	1	NA	CUFF.3251 NA u	TSS2100	2.306E-10
chr11 TCONS_00026007	XLOC_019802	24432317	24432535	+	1	NA	CUFF.4170 NA u	TSS2100	5.076E-11
chr11 TCONS_00022003	XLOC_019803	24433396	24433600	+	1	NA	CUFF.3250 NA u	TSS2100	7.836E-22
chr11 TCONS_00026008	XLOC_019803	24432901	24433408	+	1	NA	CUFF.4175 NA u	TSS2100	7.056E-24
chr11 TCONS_00026010	XLOC_019805	24435365	24435783	+	1	NA	CUFF.4187 NA u	TSS2100	5.99E-06
chr11 TCONS_00026011	XLOC_019806	24436203	24436599	+	1	NA	CUFF.4173 NA u	TSS2100	1.093E-13
chr11 TCONS_00026012	XLOC_019807	24436665	24437213	+	1	NA	CUFF.4176 NA u	TSS2100	1.929E-52
chr11 TCONS_00026013	XLOC_019808	24437395	24438287	+	1	NA	CUFF.4181 NA u	TSS2101	0.011481

chr11 TCONS_00026015	XLOC_019874	24950486	24950817	+	1	OS11G0634200	CUFF.4206 OS11T06342(x	TSS2108	3.51E-47
chr11 TCONS_00026016	XLOC_019893	25148468	25148717	+	1	NA	CUFF.4208 NA u	TSS2110	6.821E-10
chr11 TCONS_00022103	XLOC_019900	25176628	25176974	+	1	NA	CUFF.3275 NA u	TSS2110	1.825E-05
chr11 TCONS_00022104	XLOC_019901	25177963	25178284	+	1	OS11G0637501	CUFF.3280 OS11T06375(x	TSS2110	0
chr11 TCONS_00022105	XLOC_019902	25178795	25179314	+	1	OS11G0637501	CUFF.4211 OS11T06375(i	TSS2110	3.665E-06
chr11 TCONS_00026018	XLOC_019904	25179700	25180178	+	1	OS11G0637501	CUFF.4214 OS11T06375(i	TSS2111	2.099E-13
chr11 TCONS_00026019	XLOC_019908	25203422	25203922	+	1	OS11G0637800	CUFF.4221 OS11T06378(i	TSS2111	5.587E-12
chr11 TCONS_00022129	XLOC_019923	25314216	25314433	+	1	NA	CUFF.3284 NA u	TSS2113	2.584E-80
chr11 TCONS_00022133	XLOC_019925	25333213	25333436	+	1	OS11G0640500	CUFF.3287 OS11T06405(x	TSS2113	8.985E-35
chr11 TCONS_00026021	XLOC_019971	25779377	25779673	+	1	NA	CUFF.4228 NA u	TSS2118	1.947E-29
chr11 TCONS_00022191	XLOC_019983	25890457	25890665	+	1	OS11G0649500	CUFF.3297 OS11T06495(x	TSS2119	0
chr11 TCONS_00026023	XLOC_020044	26555119	26555483	+	1	NA	CUFF.4246 NA u	TSS2125	1.387E-18
chr11 TCONS_00026025	XLOC_020048	26560163	26561085	+	1	NA	CUFF.4255 NA u	TSS2126	1.415E-47
chr11 TCONS_00022259	XLOC_020050	26562171	26562382	+	1	NA	CUFF.3311 NA u	TSS2126	6.49E-50
chr11 TCONS_00026027	XLOC_020071	26830963	26831188	+	1	NA	CUFF.4256 NA u	TSS2128	2.688E-55
chr11 TCONS_00026028	XLOC_020072	26831424	26831914	+	1	NA	CUFF.4254 NA u	TSS2128	1.671E-50
chr11 TCONS_00022381	XLOC_020172	27792021	27792321	+	1	OS11G0686400	CUFF.3362 OS11T06864(x	TSS2139	1.229E-15
chr11 TCONS_00026035	XLOC_020178	27818364	27818577	+	1	OS11G0686900	CUFF.4308 OS11T06869(x	TSS2139	2.229E-54
chr11 TCONS_00026042	XLOC_020307	28993459	28994131	+	1	OS11G0708600	CUFF.4346 OS11T07086(i	TSS2153	8.061E-36
chr11 TCONS_00026045	XLOC_020331	197125	197356	-	1	NA	CUFF.3275 NA u	TSS2155	2.02E-19
chr11 TCONS_00022550	XLOC_020332	197445	197736	-	1	NA	CUFF.2583 NA u	TSS2155	0
chr11 TCONS_00026046	XLOC_020366	456764	456976	-	1	OS11G0109800	CUFF.3292 OS11T01098(x	TSS2159	3.718E-24
chr11 TCONS_00022612	XLOC_020390	616038	616278	-	1	NA	CUFF.2601 NA u	TSS2161	1.738E-21
chr11 TCONS_00022644	XLOC_020420	812705	812938	-	1	OS11G0117900	CUFF.2608 OS11T01179(x	TSS2165	2.98E-24
chr11 TCONS_00022723	XLOC_020499	1456486	1456900	-	1	OS11G0131900	CUFF.2630 OS11T01319(x	TSS2173	0
chr11 TCONS_00022724	XLOC_020500	1460623	1460835	-	1	NA	CUFF.2622 NA u	TSS2173	1.417E-83
chr11 TCONS_00022732	XLOC_020509	1513677	1513896	-	1	NA	CUFF.2623 NA u	TSS2174	8.252E-13
chr11 TCONS_00026057	XLOC_020562	1896844	1897192	-	1	OS11G0141000	CUFF.3360 OS11T01410(i	TSS2180	2.542E-23
chr11 TCONS_00022847	XLOC_020614	2269006	2269219	-	1	NA	CUFF.2662 NA u	TSS2185	2.569E-63
chr11 TCONS_00026060	XLOC_020627	2372490	2372696	-	1	NA	CUFF.3393 NA u	TSS2186	5.592E-20
chr11 TCONS_00026061	XLOC_020652	2524881	2525628	-	1	OS11G0153800	CUFF.3407 OS11T01538(i	TSS2189	2.216E-26
chr11 TCONS_00022906	XLOC_020675	2684930	2685244	-	1	OS11G0156600	CUFF.3409 OS11T01566(x	TSS2191	0.32239
chr11 TCONS_00026064	XLOC_020686	2733705	2733911	-	1	OS11G0157100	CUFF.3418 OS11T01571(i	TSS2192	2.638E-18
chr11 TCONS_00026065	XLOC_020694	2789573	2790356	-	1	OS11G0157600	CUFF.3417 OS11T01576(i	TSS2193	1.351E-42
chr11 TCONS_00022931	XLOC_020703	2834651	2835253	-	1	NA	CUFF.2678 NA u	TSS2194	0.052335

chr11 TCONS_00026069	XLOC_020721	2974231	2974432	-	1	OS11G0161000	CUFF.3425	OS11T01610(x	TSS2196	2.943E-20	
chr11 TCONS_00022960	XLOC_020733	3095253	3095491	-	1	OS11G0163500	CUFF.2694	OS11T01635(i	TSS2197	2.002E-24	
chr11 TCONS_00022987	XLOC_020758	3291115	3291356	-	1	OS11G0168100	CUFF.2700	OS11T01681(i	TSS2200	6.072E-25	
chr11 TCONS_00026072	XLOC_020762	3300513	3301093	-	1	OS11G0168300	CUFF.3435	OS11T01683(i	TSS2200	2.802E-35	
chr11 TCONS_00026077	XLOC_020794	3540847	3541122	-	1	NA	CUFF.3443	NA	u	TSS2204	1.265E-07
chr11 TCONS_00023020	XLOC_020796	3542168	3542942	-	1	NA	CUFF.2706	NA	u	TSS2204	4.933E-33
chr11 TCONS_00026082	XLOC_020797	3544310	3544842	-	1	NA	CUFF.3446	NA	u	TSS2204	2.27E-41
chr11 TCONS_00026083	XLOC_020799	3551431	3551897	-	1	OS11G0172300	CUFF.3452	OS11T01723(x	TSS2205	4.766E-28	
chr11 TCONS_00026084	XLOC_020806	3610694	3610907	-	1	NA	CUFF.3447	NA	u	TSS2205	1.335E-33
chr11 TCONS_00026087	XLOC_020870	4226827	4227267	-	1	OS11G0183700	CUFF.3489	OS11T01837(x	TSS2212	1.339E-23	
chr11 TCONS_00023101	XLOC_020873	4235594	4235965	-	1	NA	CUFF.2731	NA	u	TSS2212	1.137E-69
chr11 TCONS_00023102	XLOC_020874	4236485	4237059	-	1	NA	CUFF.2730	NA	u	TSS2213	1.738E-06
chr11 TCONS_00026090	XLOC_020874	4236741	4237190	-	1	NA	CUFF.3486	NA	u	TSS2213	0.0032486
chr11 TCONS_00026091	XLOC_020876	4237940	4238560	-	1	NA	CUFF.3488	NA	u	TSS2213	8.03E-12
chr11 TCONS_00023105	XLOC_020877	4248260	4248487	-	1	OS11G0183900	CUFF.2742	OS11T01839(i	TSS2213	0.075834	
chr11 TCONS_00023160	XLOC_020931	4764361	4764577	-	1	OS11G0195100	CUFF.2745	OS11T01951(x	TSS2219	3.233E-38	
chr11 TCONS_00023163	XLOC_020934	4785897	4787237	-	1	OS11G0195500	CUFF.2750	OS11T01955(i	TSS2219	6.56E-74	
chr11 TCONS_00026098	XLOC_020983	5183477	5183856	-	1	OS11G0202600	CUFF.3516	OS11T02026(i	TSS2224	2.863E-13	
chr11 TCONS_00026101	XLOC_021010	5404121	5404373	-	1	OS11G0207000	CUFF.3538	OS11T02070(i	TSS2227	6.523E-60	
chr11 TCONS_00023254	XLOC_021016	5442664	5442876	-	1	NA	CUFF.2767	NA	u	TSS2228	5.608E-86
chr11 TCONS_00026103	XLOC_021017	5443373	5444112	-	1	NA	CUFF.3520	NA	u	TSS2228	0.22617
chr11 TCONS_00026105	XLOC_021021	5451201	5451623	-	1	NA	CUFF.3532	NA	u	TSS2228	1.307E-09
chr11 TCONS_00023264	XLOC_021027	5482605	5482926	-	1	OS11G0207600	CUFF.2776	OS11T02076(x	TSS2229	1.086E-64	
chr11 TCONS_00026108	XLOC_021072	5759971	5760174	-	1	NA	CUFF.3548	NA	u	TSS2234	2.638E-18
chr11 TCONS_00026112	XLOC_021166	6446958	6447247	-	1	NA	CUFF.3573	NA	u	TSS2244	7.655E-49
chr11 TCONS_00023439	XLOC_021195	6623483	6623712	-	1	NA	CUFF.2812	NA	u	TSS2247	1.561E-32
chr11 TCONS_00023441	XLOC_021197	6624581	6624862	-	1	OS11G0226700	CUFF.2818	OS11T02267(x	TSS2247	1.556E-86	
chr11 TCONS_00026116	XLOC_021202	6652928	6653341	-	1	NA	CUFF.3584	NA	u	TSS2247	5.961E-15
chr11 TCONS_00023447	XLOC_021205	6675071	6675297	-	1	OS11G0227200	CUFF.2869	OS11T02272(i	TSS2248	8.85E-05	
chr11 TCONS_00026120	XLOC_021246	7217765	7218426	-	1	NA	CUFF.3602	NA	u	TSS2252	1.501E-13
chr11 TCONS_00026121	XLOC_021247	7218725	7218977	-	1	NA	CUFF.3595	NA	u	TSS2252	6.994E-29
chr11 TCONS_00023494	XLOC_021250	7222876	7223490	-	1	OS11G0235700	CUFF.3599	OS11T02357(x	TSS2252	4.757E-15	
chr11 TCONS_00026124	XLOC_021286	7518707	7518999	-	1	OS11G0240900	CUFF.3614	OS11T02409(i	TSS2256	0.024257	
chr11 TCONS_00026125	XLOC_021298	7596842	7597060	-	1	OS11G0242100	CUFF.3628	OS11T02421(i	TSS2257	3.796E-39	
chr11 TCONS_00026126	XLOC_021300	7618395	7618617	-	1	NA	CUFF.3613	NA	u	TSS2257	1.265E-07

chr11 TCONS_00026128	XLOC_021342	7857019	7857357	-	1	NA	CUFF.3625 NA	u	TSS2262	4.791E-33
chr11 TCONS_00026129	XLOC_021343	7857445	7857855	-	1	NA	CUFF.3627 NA	u	TSS2262	3.839E-19
chr11 TCONS_00023614	XLOC_021376	8079100	8079325	-	1	NA	CUFF.2841 NA	u	TSS2265	2.734E-35
chr11 TCONS_00023667	XLOC_021423	8477928	8478132	-	1	NA	CUFF.2854 NA	u	TSS2270	0
chr11 TCONS_00026138	XLOC_021426	8479700	8480103	-	1	NA	CUFF.3657 NA	u	TSS2271	0.005791
chr11 TCONS_00023708	XLOC_021463	8827821	8828060	-	1	NA	CUFF.2863 NA	u	TSS2274	6.012E-30
chr11 TCONS_00026144	XLOC_021493	9100532	9100739	-	1	NA	CUFF.3675 NA	u	TSS2278	5.016E-18
chr11 TCONS_00026145	XLOC_021495	9106027	9106232	-	1	OS11G0265850	CUFF.3680 OS11T026585(x	u	TSS2278	2.638E-18
chr11 TCONS_00023747	XLOC_021500	9152190	9152402	-	1	NA	CUFF.2875 NA	u	TSS2278	1.696E-26
chr11 TCONS_00023793	XLOC_021547	9629327	9629886	-	1	NA	CUFF.2894 NA	u	TSS2283	1.009E-17
chr11 TCONS_00026152	XLOC_021548	9630596	9630953	-	1	NA	CUFF.3703 NA	u	TSS2283	0.88955
chr11 TCONS_00023796	XLOC_021550	9631374	9631624	-	1	NA	CUFF.2893 NA	u	TSS2284	2.325E-27
chr11 TCONS_00023818	XLOC_021573	9962131	9962334	-	1	NA	CUFF.2898 NA	u	TSS2286	0
chr11 TCONS_00023826	XLOC_021581	10070118	10070319	-	1	NA	CUFF.2901 NA	u	TSS2287	0
chr11 TCONS_00026158	XLOC_021669	11201366	11201570	-	1	NA	CUFF.3748 NA	u	TSS2296	1.19E-21
chr11 TCONS_00026160	XLOC_021671	11204194	11204481	-	1	NA	CUFF.3746 NA	u	TSS2296	1.512E-25
chr11 TCONS_00026165	XLOC_021691	11398258	11398460	-	1	OS11G0303200	CUFF.3769 OS11T03032(x	u	TSS2298	2.869E-25
chr11 TCONS_00026171	XLOC_021782	13120487	13120700	-	1	NA	CUFF.3795 NA	u	TSS2308	3.249E-27
chr11 TCONS_00024043	XLOC_021801	13336613	13336818	-	1	OS11G0423800	CUFF.2952 OS11T04238(i	u	TSS2310	0
chr11 TCONS_00026173	XLOC_021849	13996986	13997193	-	1	SPPL2	CUFF.3836 OS11T04332(i	u	TSS2315	1.014E-65
chr11 TCONS_00026174	XLOC_021850	13997360	13997571	-	1	SPPL2	CUFF.3841 OS11T04332(i	u	TSS2315	6.569E-08
chr11 TCONS_00024108	XLOC_021868	14129188	14129410	-	1	NA	CUFF.2969 NA	u	TSS2317	2.735E-51
chr11 TCONS_00024167	XLOC_021928	14785571	14785765	-	1	NA	CUFF.2975 NA	u	TSS2323	1.159E-09
chr11 TCONS_00026187	XLOC_021981	15437600	15437890	-	1	OS11G0455800	CUFF.3897 OS11T04558(i	u	TSS2328	1.535E-09
chr11 TCONS_00026189	XLOC_022006	15610309	15610569	-	1	OS11G0459600	CUFF.3858 OS11T04596(i	u	TSS2331	7.656E-49
chr11 TCONS_00024296	XLOC_022064	16277254	16277599	-	1	OS11G0472500	CUFF.3007 OS11T04725(x	u	TSS2336	0
chr11 TCONS_00026195	XLOC_022067	16305909	16306282	-	1	OS11G0473000	CUFF.3873 OS11T04730(i	u	TSS2337	9.712E-11
chr11 TCONS_00026197	XLOC_022107	16767690	16768671	-	1	OS11G0479232	CUFF.3888 OS11T04792(x	u	TSS2341	0.13091
chr11 TCONS_00024341	XLOC_022112	16818867	16819117	-	1	OS11G0480000	CUFF.3023 OS11T04800(i	u	TSS2341	2.265E-07
chr11 TCONS_00026200	XLOC_022121	16933782	16933984	-	1	OS11G0482100	CUFF.3907 OS11T04821(i	u	TSS2342	1.339E-23
chr11 TCONS_00024349	XLOC_022122	16934636	16935169	-	1	OS11G0482100	CUFF.3033 OS11T04821(x	u	TSS2342	1.841E-51
chr11 TCONS_00026201	XLOC_022132	17011541	17011879	-	1	OS11G0483600	CUFF.3901 OS11T04836(i	u	TSS2343	2.74E-48
chr11 TCONS_00024396	XLOC_022172	17352936	17353445	-	1	OS11G0490900	CUFF.3062 OS11T04909(i	u	TSS2347	7.776E-87
chr11 TCONS_00024464	XLOC_022237	18066087	18066882	-	1	NA	CUFF.3063 NA	u	TSS2354	5.655E-14
chr11 TCONS_00024465	XLOC_022238	18067067	18067618	-	1	NA	CUFF.3064 NA	u	TSS2354	0.04715

chr11 TCONS_00024466	XLOC_022239	18067731	18068185	-	1	NA	CUFF.3065 NA	u	TSS2355	1.155E-20
chr11 TCONS_00024565	XLOC_022333	19166936	19167261	-	1	NA	CUFF.3078 NA	u	TSS2364	2.753E-12
chr11 TCONS_00024566	XLOC_022334	19168648	19168856	-	1	NA	CUFF.3080 NA	u	TSS2365	5.125E-07
chr11 TCONS_00026219	XLOC_022398	19677736	19678005	-	1	OS11G0539200	CUFF.3983 OS11T05392(x		TSS2371	3.748E-52
chr11 TCONS_00024659	XLOC_022424	19912244	19912459	-	1	NA	CUFF.3098 NA	u	TSS2374	1.04E-59
chr11 TCONS_00024686	XLOC_022448	20066289	20066584	-	1	OS11G0545300	CUFF.3128 OS11T05453(i		TSS2376	0
chr11 TCONS_00024687	XLOC_022449	20068505	20069154	-	1	OS11G0545300	CUFF.3131 OS11T05453(i		TSS2376	0.71174
chr11 TCONS_00024714	XLOC_022472	20241432	20241701	-	1	NA	CUFF.3109 NA	u	TSS2379	2.768E-79
chr11 TCONS_00026224	XLOC_022473	20246515	20246887	-	1	NA	CUFF.4007 NA	u	TSS2379	1.512E-25
chr11 TCONS_00024738	XLOC_022496	20430582	20430807	-	1	OS11G0549700	CUFF.3122 OS11T05497(i		TSS2382	2.74E-16
chr11 TCONS_00024779	XLOC_022536	20725892	20726245	-	1	NA	CUFF.3130 NA	u	TSS2386	3.734E-31
chr11 TCONS_00024804	XLOC_022561	20953474	20953791	-	1	OS11G0562100	CUFF.3143 OS11T05621(i		TSS2388	3.275E-54
chr11 TCONS_00026230	XLOC_022633	21687732	21687947	-	1	NA	CUFF.4051 NA	u	TSS2396	1.326E-28
chr11 TCONS_00026232	XLOC_022649	21809281	21809496	-	1	OS11G0578100	CUFF.4071 OS11T05781(x		TSS2397	4.498E-46
chr11 TCONS_00026235	XLOC_022657	21879821	21880021	-	1	NA	CUFF.4059 NA	u	TSS2398	1.748E-37
chr11 TCONS_00024901	XLOC_022658	21880986	21881229	-	1	NA	CUFF.3155 NA	u	TSS2398	9.093E-16
chr11 TCONS_00024904	XLOC_022661	21908581	21908794	-	1	NA	CUFF.3156 NA	u	TSS2398	4.392E-61
chr11 TCONS_00024927	XLOC_022684	22141112	22141332	-	1	OS11G0585700	CUFF.3164 OS11T05857(x		TSS2401	3.068E-44
chr11 TCONS_00024941	XLOC_022698	22316085	22316287	-	1	OS11G0588400	CUFF.3182 OS11T05884(i		TSS2402	2.056E-11
chr11 TCONS_00024945	XLOC_022702	22340162	22340460	-	1	NA	CUFF.3185 NA	u	TSS2403	1.73E-63
chr11 TCONS_00026237	XLOC_022702	22340299	22340522	-	1	NA	CUFF.4090 NA	u	TSS2403	9.036E-28
chr11 TCONS_00024946	XLOC_022703	22340671	22340964	-	1	NA	CUFF.3186 NA	u	TSS2403	4.606E-19
chr11 TCONS_00024947	XLOC_022704	22343925	22344178	-	1	NA	CUFF.3187 NA	u	TSS2403	1.342E-14
chr11 TCONS_00024948	XLOC_022706	22351706	22352097	-	1	NA	CUFF.3189 NA	u	TSS2403	0
chr11 TCONS_00024949	XLOC_022707	22354376	22354754	-	1	NA	CUFF.3191 NA	u	TSS2403	8.859E-11
chr11 TCONS_00024950	XLOC_022708	22355147	22355772	-	1	NA	CUFF.3192 NA	u	TSS2403	3.754E-82
chr11 TCONS_00026243	XLOC_022722	22453282	22453518	-	1	NA	CUFF.4083 NA	u	TSS2405	0.0003675
chr11 TCONS_00024963	XLOC_022724	22454366	22454675	-	1	OS11G0591000	CUFF.3179 OS11T05910(x		TSS2405	1.084E-42
chr11 TCONS_00024972	XLOC_022734	22510036	22510250	-	1	NA	CUFF.3188 NA	u	TSS2406	4.369E-50
chr11 TCONS_00025006	XLOC_022770	22703963	22704410	-	1	NA	CUFF.3198 NA	u	TSS2410	1.991E-61
chr11 TCONS_00025046	XLOC_022808	23070603	23071190	-	1	OS11G0600700	CUFF.3211 OS11T06007(x		TSS2414	8.457E-80
chr11 TCONS_00025058	XLOC_022824	23182671	23182892	-	1	OS11G0602500	CUFF.3212 OS11T06025(x		TSS2415	0
chr11 TCONS_00025096	XLOC_022863	23496012	23496353	-	1	OS11G0608300	CUFF.3231 OS11T06083(x		TSS2419	0
chr11 TCONS_00026258	XLOC_022882	23664693	23664895	-	1	NA	CUFF.4126 NA	u	TSS2421	1.387E-18
chr11 TCONS_00026261	XLOC_022901	23903016	23903472	-	1	NA	CUFF.4136 NA	u	TSS2423	2.451E-19

chr11 TCONS_00025145	XLOC_022914	23951219	23951446 -	1	NA	CUFF.3234 NA	u	TSS2425	1.238E-25
chr11 TCONS_00026273	XLOC_022972	24449823	24450037 -	1	NA	CUFF.4179 NA	u	TSS2431	1.512E-25
chr11 TCONS_00026279	XLOC_023007	24669344	24669545 -	1	NA	CUFF.4197 NA	u	TSS2434	1.527E-35
chr11 TCONS_00025233	XLOC_023009	24670038	24670243 -	1	NA	CUFF.3267 NA	u	TSS2435	0
chr11 TCONS_00025444	XLOC_023211	26546386	26546612 -	1	OS11G0661200	CUFF.3317 OS11T06612(x		TSS2456	3.451E-32
chr11 TCONS_00025506	XLOC_023276	27151066	27151284 -	1	NA	CUFF.3341 NA	u	TSS2462	0.075834
chr11 TCONS_00026305	XLOC_023292	27225306	27225547 -	1	NA	CUFF.4287 NA	u	TSS2464	3.249E-27
chr11 TCONS_00026314	XLOC_023374	28003518	28003731 -	1	NA	CUFF.4306 NA	u	TSS2473	2.165E-14
chr11 TCONS_00026315	XLOC_023375	28004207	28004526 -	1	NA	CUFF.4309 NA	u	TSS2473	1.25E-16
chr11 TCONS_00026318	XLOC_023391	28154414	28154737 -	1	NA	CUFF.4315 NA	u	TSS2474	6.145E-41
chr11 TCONS_00025622	XLOC_023400	28231412	28231652 -	1	NA	CUFF.3364 NA	u	TSS2475	1.561E-32
chr11 TCONS_00026331	XLOC_023511	8965861	8966066 .	1	OS11G0264200	CUFF.3692 OS11T02642(i		TSS2487	5.443E-25
chr12 TCONS_00032623	XLOC_023561	301984	302321 +	1	OS12G0105700	CUFF.4353 OS12T01057(x		TSS2493	0.17233
chr12 TCONS_00032625	XLOC_023625	681215	681428 +	1	CIPK14	CUFF.4382 OS12T01135(i		TSS2499	1.512E-25
chr12 TCONS_00032626	XLOC_023626	681686	681912 +	1	CIPK14	CUFF.4387 OS12T01135(i		TSS2499	5.476E-35
chr12 TCONS_00026456	XLOC_023633	713319	713882 +	1	NA	CUFF.3403 NA	u	TSS2500	7.507E-15
chr12 TCONS_00032628	XLOC_023634	715074	715346 +	1	NA	CUFF.4371 NA	u	TSS2500	2.139E-49
chr12 TCONS_00032630	XLOC_023652	789448	789879 +	1	NA	CUFF.4376 NA	u	TSS2502	9.239E-09
chr12 TCONS_00026497	XLOC_023676	920078	920443 +	1	OS12G0118800	CUFF.3434 OS12T01188(x		TSS2504	1.356E-15
chr12 TCONS_00026498	XLOC_023677	923584	923856 +	1	OS12G0118800	CUFF.3438 OS12T01188(i		TSS2505	5.02E-61
chr12 TCONS_00032633	XLOC_023678	925040	925616 +	1	OS12G0118800	CUFF.4424 OS12T01188(i		TSS2505	1.501E-13
chr12 TCONS_00032634	XLOC_023679	925918	926183 +	1	OS12G0118800	CUFF.4428 OS12T01188(i		TSS2505	3.796E-39
chr12 TCONS_00026577	XLOC_023754	1504579	1504813 +	1	NA	CUFF.3432 NA	u	TSS2513	3.406E-59
chr12 TCONS_00032641	XLOC_023768	1603500	1603703 +	1	OS12G0133050	CUFF.4430 OS12T01330(i		TSS2514	2.956E-40
chr12 TCONS_00032642	XLOC_023770	1611580	1612098 +	1	OS12G0133100	CUFF.4439 OS12T01331(x		TSS2514	4.127E-14
chr12 TCONS_00032646	XLOC_023800	1768665	1770934 +	1	NA	CUFF.4435 NA	u	TSS2517	7.283E-22
chr12 TCONS_00032647	XLOC_023801	1771178	1772721 +	1	OS12G0136500	CUFF.4450 OS12T01365(x		TSS2518	1.1E-48
chr12 TCONS_00032648	XLOC_023805	1794256	1794509 +	1	OS12G0137100	CUFF.4442 OS12T01371(x		TSS2518	2.38E-16
chr12 TCONS_00032652	XLOC_023849	2126051	2126349 +	1	OS12G0143300	CUFF.4456 OS12T01433(i		TSS2523	3.311E-37
chr12 TCONS_00026689	XLOC_023864	2218248	2218538 +	1	OS12G0145100	CUFF.3474 OS12T01451(x		TSS2525	4.72E-09
chr12 TCONS_00032655	XLOC_023864	2218048	2218416 +	1	OS12G0145100	CUFF.4473 OS12T01451(x		TSS2524	1.524E-79
chr12 TCONS_00026719	XLOC_023893	2369062	2369275 +	1	NA	CUFF.3468 NA	u	TSS2528	3.488E-37
chr12 TCONS_00026758	XLOC_023929	2602999	2603216 +	1	OS12G0152800	CUFF.3493 OS12T01528(i		TSS2531	2.78E-40
chr12 TCONS_00026770	XLOC_023940	2663261	2663471 +	1	OS12G0154000	CUFF.3484 OS12T01540(i		TSS2533	1.918E-45
chr12 TCONS_00032658	XLOC_023987	3091523	3091750 +	1	NA	CUFF.4492 NA	u	TSS2537	3.349E-81

chr12 TCONS_00032659	XLOC_023991	3131019	3131308	+	1	WNK9	CUFF.4504 OS12T01621(i	TSS2538	0.13659
chr12 TCONS_00026832	XLOC_024002	3217768	3217972	+	1	NA	CUFF.3499 NA u	TSS2539	2.532E-36
chr12 TCONS_00032660	XLOC_024006	3239721	3239941	+	1	OS12G0163800	CUFF.4519 OS12T01638(i	TSS2539	6.268E-22
chr12 TCONS_00032662	XLOC_024012	3301005	3301208	+	1	OS12G0164800	CUFF.4511 OS12T01648(i	TSS2540	1.25E-16
chr12 TCONS_00026841	XLOC_024014	3313186	3313670	+	1	OS12G0165000	CUFF.3517 OS12T01650(i	TSS2540	2.756E-62
chr12 TCONS_00032665	XLOC_024042	3503165	3503494	+	1	OS12G0169000	CUFF.4517 OS12T01690(x	TSS2543	0.0006715
chr12 TCONS_00032666	XLOC_024047	3553150	3553726	+	1	OS12G0169800	CUFF.4522 OS12T01698(x	TSS2543	9.482E-43
chr12 TCONS_00026885	XLOC_024060	3629939	3630276	+	1	NA	CUFF.3526 NA u	TSS2545	8.252E-13
chr12 TCONS_00032669	XLOC_024077	3725286	3725619	+	1	OS12G0173400	CUFF.4536 OS12T01734(i	TSS2546	5.463E-13
chr12 TCONS_00032678	XLOC_024177	4635953	4636341	+	1	OS12G0191150	CUFF.4574 OS12T01911(i	TSS2557	1.307E-09
chr12 TCONS_00027025	XLOC_024195	4769319	4769876	+	1	OS12G0193200	CUFF.3567 OS12T01932(i	TSS2559	6.512E-29
chr12 TCONS_00032682	XLOC_024196	4771325	4771584	+	1	OS12G0193200	CUFF.4586 OS12T01932(i	TSS2559	3.718E-24
chr12 TCONS_00032683	XLOC_024204	4862455	4862954	+	1	OS12G0194700	CUFF.4585 OS12T01947(x	TSS2560	1.339E-23
chr12 TCONS_00027044	XLOC_024215	4990436	4990645	+	1	NA	CUFF.3566 NA u	TSS2561	1.463E-38
chr12 TCONS_00032685	XLOC_024225	5078385	5078593	+	1	OS12G0198200	CUFF.4598 OS12T01982(i	TSS2562	2.26E-21
chr12 TCONS_00027055	XLOC_024227	5092419	5092622	+	1	NA	CUFF.3572 NA u	TSS2562	0
chr12 TCONS_00032688	XLOC_024246	5378697	5379227	+	1	NA	CUFF.4599 NA u	TSS2564	1.19E-21
chr12 TCONS_00027095	XLOC_024269	5487666	5487958	+	1	OS12G0205100	CUFF.3583 OS12T02051(i	TSS2567	0
chr12 TCONS_00032691	XLOC_024281	5613011	5613332	+	1	OS12G0207500	CUFF.4678 OS12T02075(x	TSS2568	1.448E-48
chr12 TCONS_00032693	XLOC_024302	5748727	5748934	+	1	NA	CUFF.4618 NA u	TSS2570	2.223E-67
chr12 TCONS_00032699	XLOC_024382	6805669	6805901	+	1	OS12G0225150	CUFF.4648 OS12T02251(i	TSS2578	2.02E-19
chr12 TCONS_00027228	XLOC_024403	7027655	7027883	+	1	NA	CUFF.3606 NA u	TSS2581	2.532E-36
chr12 TCONS_00032706	XLOC_024501	8001597	8001801	+	1	OS12G0244500	CUFF.4690 OS12T02445(i	TSS2591	2.647E-43
chr12 TCONS_00032707	XLOC_024558	8531495	8531729	+	1	NA	CUFF.4701 NA u	TSS2597	6.604E-06
chr12 TCONS_00032711	XLOC_024631	9313932	9314361	+	1	OS12G0263800	CUFF.4739 OS12T02638(i	TSS2604	1.859E-10
chr12 TCONS_00027488	XLOC_024647	9474170	9474388	+	1	NA	CUFF.3658 NA u	TSS2606	4.132E-40
chr12 TCONS_00027522	XLOC_024681	9770788	9770999	+	1	OS12G0270100	CUFF.3673 OS12T02701(i	TSS2610	1.81E-68
chr12 TCONS_00027537	XLOC_024695	10011234	10011459	+	1	NA	CUFF.3666 NA u	TSS2612	3.135E-08
chr12 TCONS_00032718	XLOC_024725	10423978	10424393	+	1	OS12G0278700	CUFF.4735 OS12T02787(x	TSS2615	1.991E-12
chr12 TCONS_00027568	XLOC_024728	10439443	10439649	+	1	OS12G0278800	CUFF.3686 OS12T02788(i	TSS2615	6.775E-44
chr12 TCONS_00032726	XLOC_024783	10971410	10971613	+	1	OS12G0287300	CUFF.4755 OS12T02873(i	TSS2621	6.268E-22
chr12 TCONS_00027638	XLOC_024792	11052970	11053188	+	1	OS12G0288400	CUFF.3709 OS12T02884(i	TSS2622	3.312E-30
chr12 TCONS_00032732	XLOC_024812	11219894	11220138	+	1	OS12G0290600	CUFF.4767 OS12T02906(i	TSS2624	7.048E-34
chr12 TCONS_00027685	XLOC_024835	11374228	11374449	+	1	TERT	CUFF.3707 OS12T02931(i	TSS2627	3.451E-32
chr12 TCONS_00027706	XLOC_024854	11736066	11736392	+	1	GWD3	CUFF.3720 OS12T02975(i	TSS2629	1.444E-33

chr12 TCONS_00027707	XLOC_024856	11742160	11742368	+	1	GWD3	CUFF.3721 OS12T02975(i	TSS2629	1.219E-68
chr12 TCONS_00027728	XLOC_024878	12135225	12135459	+	1	NA	CUFF.3713 NA	u TSS2631	0
chr12 TCONS_00027835	XLOC_024978	13349390	13349623	+	1	NA	CUFF.3753 NA	u TSS2642	1.165E-63
chr12 TCONS_00032748	XLOC_024991	13378028	13378270	+	1	NA	CUFF.4869 NA	u TSS2643	6.588E-19
chr12 TCONS_00032749	XLOC_024993	13381924	13382199	+	1	NA	CUFF.4873 NA	u TSS2643	0
chr12 TCONS_00032750	XLOC_024996	13385613	13385846	+	1	NA	CUFF.4895 NA	u TSS2644	1.168E-26
chr12 TCONS_00032752	XLOC_025003	13402144	13402606	+	1	NA	CUFF.4951 NA	u TSS2644	1.417E-56
chr12 TCONS_00027914	XLOC_025065	14012914	14013336	+	1	NA	CUFF.3770 NA	u TSS2651	9.059E-06
chr12 TCONS_00027915	XLOC_025066	14014687	14015007	+	1	NA	CUFF.3771 NA	u TSS2651	3.37E-57
chr12 TCONS_00032763	XLOC_025130	14902232	14902553	+	1	OS12G0443700	CUFF.4868 OS12T04437(i	TSS2657	0.021098
chr12 TCONS_00032765	XLOC_025168	15337453	15337845	+	1	OS12G0448900	CUFF.4894 OS12T04489(i	TSS2661	1.671E-50
chr12 TCONS_00032766	XLOC_025169	15338086	15338317	+	1	OS12G0448900	CUFF.4896 OS12T04489(i	TSS2661	1.671E-50
chr12 TCONS_00028019	XLOC_025171	15339657	15339989	+	1	NCRNA_33503	CUFF.3860 NCRNA_335(x	TSS2662	0
chr12 TCONS_00032768	XLOC_025171	15339889	15340118	+	1	OS12G0448900	CUFF.4902 OS12T04489(i	TSS2662	1.512E-25
chr12 TCONS_00032771	XLOC_025189	15749856	15750069	+	1	NA	CUFF.4875 NA	u TSS2663	6.269E-37
chr12 TCONS_00032776	XLOC_025238	16196545	16197127	+	1	OS12G0460800	CUFF.4919 OS12T04608(x	TSS2668	6.504E-13
chr12 TCONS_00032777	XLOC_025239	16197426	16197465	+	1	OS12G0460800	CUFF.4920 OS12T04608(x	TSS2669	2.859E-30
chr12 TCONS_00028171	XLOC_025322	17419268	17419503	+	1	NA	CUFF.3835 NA	u TSS2678	0
chr12 TCONS_00032781	XLOC_025323	17420270	17420470	+	1	NA	CUFF.4924 NA	u TSS2678	3.249E-27
chr12 TCONS_00028174	XLOC_025326	17462996	17463196	+	1	NA	CUFF.3837 NA	u TSS2678	0
chr12 TCONS_00032786	XLOC_025430	18525540	18525751	+	1	KSL10	CUFF.4971 OS12T04918(i	TSS2688	3.718E-24
chr12 TCONS_00032788	XLOC_025471	18855731	18855973	+	1	OS12G0496900	CUFF.4969 OS12T04969(x	TSS2692	3.721E-34
chr12 TCONS_00028350	XLOC_025499	19068037	19068270	+	1	NA	CUFF.3886 NA	u TSS2695	4.391E-34
chr12 TCONS_00032792	XLOC_025500	19068754	19069055	+	1	NA	CUFF.4987 NA	u TSS2695	8.02E-23
chr12 TCONS_00028357	XLOC_025506	19125949	19126151	+	1	OS12G0502100	CUFF.3890 OS12T05021(x	TSS2696	0
chr12 TCONS_00032795	XLOC_025552	19488092	19488319	+	1	NA	CUFF.5002 NA	u TSS2701	6.604E-06
chr12 TCONS_00032797	XLOC_025569	19637417	19638388	+	1	NA	CUFF.5009 NA	u TSS2703	0.0010488
chr12 TCONS_00028422	XLOC_025571	19639516	19639750	+	1	NA	CUFF.3909 NA	u TSS2703	1.837E-16
chr12 TCONS_00032801	XLOC_025579	19685587	19686013	+	1	OS12G0511000	CUFF.5014 OS12T05110(i	TSS2704	1.508E-30
chr12 TCONS_00032803	XLOC_025598	19833569	19833774	+	1	OS12G0512700	CUFF.5031 OS12T05127(i	TSS2706	5.592E-20
chr12 TCONS_00032809	XLOC_025657	20472166	20472713	+	1	NA	CUFF.1748 NA	u TSS2712	1.116E-17
chr12 TCONS_00028511	XLOC_025660	20486906	20487120	+	1	NA	CUFF.1361 NA	u TSS2712	1.387E-19
chr12 TCONS_00028512	XLOC_025661	20499000	20499204	+	1	NA	CUFF.1362 NA	u TSS2712	0
chr12 TCONS_00032813	XLOC_025671	20511623	20511934	+	1	NA	CUFF.1750 NA	u TSS2713	2.358E-21
chr12 TCONS_00032815	XLOC_025673	20512882	20513139	+	1	NA	CUFF.1750 NA	u TSS2714	5.476E-35

chr12 TCONS_00032816	XLOC_025674	20513503	20513812	+	1	NA	CUFF.1750 NA	u	TSS2714	3.631E-15
chr12 TCONS_00028522	XLOC_025675	20516114	20516333	+	1	NA	CUFF.1363 NA	u	TSS2714	5.934E-71
chr12 TCONS_00028523	XLOC_025676	20516493	20516840	+	1	NA	CUFF.1363 NA	u	TSS2714	1.877E-60
chr12 TCONS_00032817	XLOC_025677	20517229	20518735	+	1	NA	CUFF.1750 NA	u	TSS2714	0
chr12 TCONS_00028528	XLOC_025678	20520363	20521553	+	1	NA	CUFF.1364 NA	u	TSS2715	3.455E-81
chr12 TCONS_00032818	XLOC_025678	20518910	20520450	+	1	NCRNA_53023	CUFF.1750 NCRNA_53023	x	TSS2714	4.761E-40
chr12 TCONS_00032821	XLOC_025682	20527118	20527509	+	1	NA	CUFF.1751 NA	u	TSS2715	0.0020432
chr12 TCONS_00032822	XLOC_025683	20527635	20527967	+	1	NA	CUFF.1751 NA	u	TSS2715	1.227E-33
chr12 TCONS_00032823	XLOC_025685	20529160	20529437	+	1	NCRNA_529	CUFF.1752 NCRNA_529	x	TSS2715	0
chr12 TCONS_00032824	XLOC_025687	20535714	20535993	+	1	NA	CUFF.1752 NA	u	TSS2716	1.748E-28
chr12 TCONS_00028536	XLOC_025690	20538719	20539313	+	1	NA	CUFF.1365 NA	u	TSS2716	2.644E-30
chr12 TCONS_00028543	XLOC_025696	20557782	20558109	+	1	NA	CUFF.1366 NA	u	TSS2717	6.043E-35
chr12 TCONS_00032829	XLOC_025696	20557945	20558287	+	1	NA	CUFF.1753 NA	u	TSS2717	1.002E-14
chr12 TCONS_00032830	XLOC_025697	20558935	20559632	+	1	NCRNA_38117	CUFF.1753 NCRNA_38117	x	TSS2717	2.529E-33
chr12 TCONS_00028545	XLOC_025698	20559862	20560171	+	1	NA	CUFF.1366 NA	u	TSS2717	5.168E-10
chr12 TCONS_00028550	XLOC_025704	20610584	20610815	+	1	NA	CUFF.1366 NA	u	TSS2718	9.83E-24
chr12 TCONS_00032834	XLOC_025716	20631456	20631841	+	1	NA	CUFF.1754 NA	u	TSS2719	1.531E-74
chr12 TCONS_00028565	XLOC_025717	20632290	20632617	+	1	NA	CUFF.1369 NA	u	TSS2719	1.169E-39
chr12 TCONS_00032836	XLOC_025718	20633342	20633686	+	1	NA	CUFF.1754 NA	u	TSS2719	9.788E-47
chr12 TCONS_00028567	XLOC_025719	20633825	20634726	+	1	NA	CUFF.1369 NA	u	TSS2719	8.095E-43
chr12 TCONS_00028568	XLOC_025720	20635588	20635792	+	1	NA	CUFF.1370 NA	u	TSS2720	0
chr12 TCONS_00032838	XLOC_025720	20635775	20636063	+	1	NA	CUFF.1755 NA	u	TSS2720	1.709E-28
chr12 TCONS_00028572	XLOC_025725	20644076	20644308	+	1	NA	CUFF.1370 NA	u	TSS2720	3.716E-17
chr12 TCONS_00032842	XLOC_025727	20650083	20651191	+	1	OS12G0525300	CUFF.1755 OS12T05253(i)		TSS2720	0.8541
chr12 TCONS_00028575	XLOC_025728	20651354	20651562	+	1	OS12G0525300	CUFF.1371 OS12T05253(i)		TSS2721	0
chr12 TCONS_00028576	XLOC_025730	20653864	20654105	+	1	NA	CUFF.1371 NA	u	TSS2721	8.551E-21
chr12 TCONS_00032846	XLOC_025733	20656571	20657353	+	1	NA	CUFF.1756 NA	u	TSS2721	1.696E-16
chr12 TCONS_00032848	XLOC_025735	20658108	20662833	+	1	NCRNA_53051	CUFF.1756 NCRNA_53051	x	TSS2721	6.921E-05
chr12 TCONS_00028586	XLOC_025737	20663861	20664210	+	1	NA	CUFF.1373 NA	u	TSS2722	2.882E-67
chr12 TCONS_00032850	XLOC_025738	20664512	20664802	+	1	NA	CUFF.1757 NA	u	TSS2722	6.268E-37
chr12 TCONS_00032852	XLOC_025741	20668539	20668739	+	1	NA	CUFF.1757 NA	u	TSS2723	3.258E-32
chr12 TCONS_00032853	XLOC_025742	20669620	20670075	+	1	NA	CUFF.1757 NA	u	TSS2723	5.463E-13
chr12 TCONS_00032855	XLOC_025793	21213356	21213558	+	1	OS12G0533500	CUFF.5062 OS12T05335(i)		TSS2728	1.335E-33
chr12 TCONS_00032857	XLOC_025799	21232845	21233188	+	1	NA	CUFF.5053 NA	u	TSS2728	1.715E-57
chr12 TCONS_00028685	XLOC_025839	21600519	21600788	+	1	NA	CUFF.3942 NA	u	TSS2733	8.915E-85

chr12 TCONS_00032863	XLOC_025852	21668690	21668926	+	1	NA	CUFF.5075 NA	u	TSS2734	1.136E-14
chr12 TCONS_00032864	XLOC_025904	22284846	22285226	+	1	NA	CUFF.5093 NA	u	TSS2740	1.326E-28
chr12 TCONS_00032868	XLOC_025917	22421523	22422028	+	1	NA	CUFF.5101 NA	u	TSS2741	0.01177
chr12 TCONS_00028766	XLOC_025918	22429097	22429367	+	1	OS12G0552400	CUFF.3964 OS12T05524(x		TSS2741	4.743E-10
chr12 TCONS_00028768	XLOC_025920	22430160	22430506	+	1	OS12G0552500	CUFF.5106 OS12T05525(x		TSS2741	9.318E-25
chr12 TCONS_00032870	XLOC_025956	22711686	22712030	+	1	OS12G0557400	CUFF.5118 OS12T05574(x		TSS2746	0.0001868
chr12 TCONS_00032872	XLOC_026036	23297752	23297955	+	1	OS12G0566700	CUFF.5164 OS12T05667(i		TSS2754	2.638E-18
chr12 TCONS_00028898	XLOC_026039	23313589	23313837	+	1	OS12G0566900	CUFF.4010 OS12T05669(i		TSS2754	1.238E-25
chr12 TCONS_00028944	XLOC_026069	23472032	23472233	+	1	OS12G0570075	CUFF.4025 OS12T05700.i		TSS2758	0
chr12 TCONS_00028968	XLOC_026092	23591340	23591562	+	1	OS12G0572400	CUFF.4031 OS12T05724(i		TSS2760	5.699E-41
chr12 TCONS_00028969	XLOC_026093	23592006	23592213	+	1	OS12G0572400	CUFF.4030 OS12T05724(x		TSS2761	0
chr12 TCONS_00029005	XLOC_026129	23896247	23896539	+	1	OS12G0577800	CUFF.4040 OS12T05778(i		TSS2764	9.992E-55
chr12 TCONS_00032879	XLOC_026136	23939786	23940043	+	1	OS12G0578500	CUFF.5195 OS12T05785(i		TSS2765	2.514E-28
chr12 TCONS_00029016	XLOC_026141	23992029	23992235	+	1	OS12G0579450	CUFF.4042 OS12T05794(i		TSS2765	1.017E-46
chr12 TCONS_00029029	XLOC_026154	24122763	24122982	+	1	NRAMP6	CUFF.4045 OS12T05816(x		TSS2767	3.764E-36
chr12 TCONS_00029080	XLOC_026201	24637588	24637796	+	1	OS12G0589100	CUFF.4068 OS12T05891(i		TSS2772	5.227E-53
chr12 TCONS_00029132	XLOC_026250	25028672	25028989	+	1	OS12G0596000	CUFF.4075 OS12T05960(x		TSS2777	1.249E-05
chr12 TCONS_00032885	XLOC_026291	25282371	25282748	+	1	OS12G0600701	CUFF.5235 OS12T06007(x		TSS2781	3.456E-46
chr12 TCONS_00032886	XLOC_026321	25536781	25537132	+	1	OS12G0605100	CUFF.5247 OS12T06051(x		TSS2785	3.718E-24
chr12 TCONS_00032889	XLOC_026325	25540762	25541248	+	1	OS12G0605200	CUFF.5246 OS12T06052(x		TSS2785	3.69E-29
chr12 TCONS_00032891	XLOC_026367	25817773	25818086	+	1	LOL2	CUFF.5258 OS12T06110(i		TSS2790	1.033E-24
chr12 TCONS_00029268	XLOC_026379	25877429	25877651	+	1	OS12G0611700	CUFF.4106 OS12T06117(i		TSS2791	1.979E-50
chr12 TCONS_00029277	XLOC_026390	25966147	25966356	+	1	NA	CUFF.4105 NA	u	TSS2792	7.896E-81
chr12 TCONS_00032898	XLOC_026410	26110394	26110870	+	1	OS12G0615500	CUFF.5285 OS12T06155(x		TSS2794	6.268E-22
chr12 TCONS_00032901	XLOC_026428	26213146	26213579	+	1	NA	CUFF.5283 NA	u	TSS2796	2.165E-14
chr12 TCONS_00029328	XLOC_026442	26342531	26342756	+	1	OS12G0618400	CUFF.4131 OS12T06184(i		TSS2798	5.553E-31
chr12 TCONS_00032907	XLOC_026464	26560824	26561052	+	1	NA	CUFF.5300 NA	u	TSS2800	3.129E-15
chr12 TCONS_00029360	XLOC_026473	26619411	26619636	+	1	OS12G0623400	CUFF.4138 OS12T06234(i		TSS2801	3.233E-38
chr12 TCONS_00032909	XLOC_026473	26619192	26619416	+	1	OS12G0623400	CUFF.5311 OS12T06234(i		TSS2801	7.656E-49
chr12 TCONS_00032912	XLOC_026537	27197122	27197380	+	1	OS12G0634500	CUFF.5335 OS12T06345(x		TSS2808	5.756E-19
chr12 TCONS_00032913	XLOC_026547	27274574	27274855	+	1	OS12G0636200	CUFF.5362 OS12T06362(i		TSS2809	1.991E-12
chr12 TCONS_00032914	XLOC_026549	27286235	27286443	+	1	NA	CUFF.5336 NA	u	TSS2809	1.033E-24
chr12 TCONS_00029441	XLOC_026552	27305346	27305564	+	1	OS12G0637100	CUFF.4163 OS12T06371(i		TSS2809	3.488E-37
chr12 TCONS_00032916	XLOC_026562	27402101	27402318	+	1	OS12G0638900	CUFF.5352 OS12T06389(i		TSS2810	0.005791
chr12 TCONS_00032919	XLOC_026580	27482734	27482936	+	1	OS12G0640800	CUFF.5360 OS12T06408(x		TSS2812	2.113E-62

chr12 TCONS_00032921	XLOC_026582	27483834	27484135 +	1	NA	CUFF.5353 NA	u	TSS2812	6.994E-29
chr12 TCONS_00032924	XLOC_026585	27484906	27485711 +	1	NA	CUFF.5358 NA	u	TSS2813	8.206E-05
chr12 TCONS_00029585	XLOC_026693	658051	658423 -	1	OS12G0112800	CUFF.3404 OS12T01128(x		TSS2825	0.0013713
chr12 TCONS_00029627	XLOC_026728	942411	942614 -	1	OS12G0119700	CUFF.3413 OS12T01197(i		TSS2829	0
chr12 TCONS_00032937	XLOC_026766	1196302	1196547 -	1	NA	CUFF.4398 NA	u	TSS2833	9.806E-48
chr12 TCONS_00032938	XLOC_026794	1360946	1361151 -	1	OS12G0128700	CUFF.4421 OS12T01287(i		TSS2836	5.443E-25
chr12 TCONS_00029698	XLOC_026795	1366524	1366750 -	1	NA	CUFF.3429 NA	u	TSS2836	4.893E-88
chr12 TCONS_00032944	XLOC_026953	2654233	2654508 -	1	NA	CUFF.4479 NA	u	TSS2852	4.127E-14
chr12 TCONS_00029878	XLOC_026965	2720462	2720686 -	1	NA	CUFF.3480 NA	u	TSS2854	8.968E-51
chr12 TCONS_00032946	XLOC_026969	2726277	2726525 -	1	OS12G0155300	CUFF.4498 OS12T01553(x		TSS2854	0.01177
chr12 TCONS_00032947	XLOC_026970	2728772	2729190 -	1	NA	CUFF.4485 NA	u	TSS2854	1.063E-19
chr12 TCONS_00029958	XLOC_027042	3283276	3283567 -	1	NA	CUFF.3504 NA	u	TSS2862	3.519E-53
chr12 TCONS_00032957	XLOC_027094	3603262	3603463 -	1	OS12G0170800	CUFF.4526 OS12T01708(i		TSS2867	1.339E-23
chr12 TCONS_00032962	XLOC_027141	4001182	4001383 -	1	NA	CUFF.4548 NA	u	TSS2872	7.048E-34
chr12 TCONS_00032963	XLOC_027148	4041228	4041438 -	1	NA	CUFF.4541 NA	u	TSS2873	9.036E-28
chr12 TCONS_00030109	XLOC_027192	4397965	4398354 -	1	OS12G0187500	CUFF.4564 OS12T01875(x		TSS2877	5.961E-15
chr12 TCONS_00032966	XLOC_027193	4399899	4400513 -	1	OS12G0187500	CUFF.4565 OS12T01875(x		TSS2877	0.0003675
chr12 TCONS_00030138	XLOC_027220	4644449	4644822 -	1	OS12G0191300	CUFF.3560 OS12T01913(x		TSS2880	2.494E-31
chr12 TCONS_00030164	XLOC_027244	4866345	4866581 -	1	OS12G0194800	CUFF.3568 OS12T01948(i		TSS2882	1.897E-20
chr12 TCONS_00032969	XLOC_027247	4871264	4871464 -	1	OS12G0194800	CUFF.4588 OS12T01948(x		TSS2883	1.387E-18
chr12 TCONS_00032970	XLOC_027257	5021584	5021874 -	1	OS12G0197200	CUFF.4589 OS12T01972(i		TSS2884	1.775E-08
chr12 TCONS_00030179	XLOC_027262	5062524	5062741 -	1	NA	CUFF.3569 NA	u	TSS2884	1.291E-45
chr12 TCONS_00030212	XLOC_027298	5421043	5421253 -	1	NA	CUFF.3578 NA	u	TSS2888	3.668E-72
chr12 TCONS_00030213	XLOC_027299	5421794	5422203 -	1	NA	CUFF.3580 NA	u	TSS2888	1.688E-31
chr12 TCONS_00030214	XLOC_027300	5422579	5422825 -	1	NA	CUFF.3579 NA	u	TSS2888	4.606E-19
chr12 TCONS_00030255	XLOC_027343	5736092	5737066 -	1	OS12G0209700	CUFF.3587 OS12T02097(x		TSS2892	7.122E-10
chr12 TCONS_00032995	XLOC_027487	7318172	7319096 -	1	NA	CUFF.4661 NA	u	TSS2907	3.108E-17
chr12 TCONS_00030509	XLOC_027589	8527005	8527251 -	1	NCRNA_34988	CUFF.4699 NCRNA_349(x		TSS2918	5.494E-11
chr12 TCONS_00030517	XLOC_027600	8543439	8545509 -	1	NCRNA_1529	CUFF.3739 NCRNA_152(x		TSS2919	4.167E-25
chr12 TCONS_00033010	XLOC_027623	8861591	8861792 -	1	NA	CUFF.4707 NA	u	TSS2922	6.57E-17
chr12 TCONS_00030728	XLOC_027793	10829933	10830488 -	1	OS12G0285100	CUFF.3729 OS12T02851(i		TSS2940	3.482E-71
chr12 TCONS_00033017	XLOC_027825	11137018	11137494 -	1	NA	CUFF.4758 NA	u	TSS2944	1.739E-22
chr12 TCONS_00033019	XLOC_027877	11720649	11721502 -	1	OS12G0297400	CUFF.4780 OS12T02974(x		TSS2949	6.573E-06
chr12 TCONS_00033020	XLOC_027888	11863090	11863356 -	1	OS12G0298600	CUFF.4793 OS12T02986(i		TSS2950	3.047E-45
chr12 TCONS_00033022	XLOC_027898	12083896	12084116 -	1	OS12G0403800	CUFF.4792 OS12T04038(i		TSS2951	2.507E-09

chr12 TCONS_00033026	XLOC_027939	12429350	12429561	-	1	OS12G0409600	CUFF.4800	OS12T04096(x	TSS2955	3.405E-06	
chr12 TCONS_00033027	XLOC_027972	12846000	12846238	-	1	OS12G0416500	CUFF.4811	OS12T04165(x	TSS2959	3.017E-66	
chr12 TCONS_00033032	XLOC_028012	13342314	13342746	-	1	NA	CUFF.4822	NA	u	TSS2963	2.978E-15
chr12 TCONS_00030969	XLOC_028040	13405523	13405785	-	1	NCRNA_3866	CUFF.3824	NCRNA_386(x	TSS2966	6.724E-06	
chr12 TCONS_00033044	XLOC_028068	13690784	13695841	-	1	NA	CUFF.4849	NA	u	TSS2969	6.325E-26
chr12 TCONS_00033049	XLOC_028244	15845775	15845983	-	1	OS12G0456100	CUFF.4890	OS12T04561(x	TSS2987	2.005E-39	
chr12 TCONS_00033058	XLOC_028373	17494567	17494768	-	1	NA	CUFF.4927	NA	u	TSS3000	7.048E-34
chr12 TCONS_00031360	XLOC_028416	17956573	17956779	-	1	CYCT1-1	CUFF.3871	OS12T04854(i	TSS3005	0	
chr12 TCONS_00033060	XLOC_028481	18791306	18791508	-	1	NA	CUFF.4960	NA	u	TSS3011	7.187E-39
chr12 TCONS_00033061	XLOC_028490	18909658	18909858	-	1	OS12G0498300	CUFF.4980	OS12T04983(x	TSS3012	3.301E-22	
chr12 TCONS_00033063	XLOC_028495	18924721	18924946	-	1	NA	CUFF.4970	NA	u	TSS3013	6.174E-32
chr12 TCONS_00031549	XLOC_028595	19635268	19635497	-	1	NA	CUFF.3908	NA	u	TSS3023	0
chr12 TCONS_00033066	XLOC_028596	19635889	19636230	-	1	NA	CUFF.5005	NA	u	TSS3023	1.19E-21
chr12 TCONS_00031630	XLOC_028673	20459448	20463958	-	1	NCRNA_1019	CUFF.1748	NCRNA_101(x	TSS3031	3.408E-11	
chr12 TCONS_00033071	XLOC_028674	20464391	20464664	-	1	NA	CUFF.1748	NA	u	TSS3031	1.17E-31
chr12 TCONS_00033073	XLOC_028681	20486778	20487125	-	1	NCRNA_1526	CUFF.1748	NCRNA_152(x	TSS3032	7.27E-06	
chr12 TCONS_00031642	XLOC_028682	20501571	20502548	-	1	NA	CUFF.1362	NA	u	TSS3032	1.125E-13
chr12 TCONS_00031643	XLOC_028682	20502659	20509307	-	1	NCRNA_1551	CUFF.1362	NCRNA_155 x	TSS3032	0.0028907	
chr12 TCONS_00033074	XLOC_028682	20501384	20501887	-	1	NA	CUFF.1749	NA	u	TSS3032	6.906E-34
chr12 TCONS_00033078	XLOC_028683	20509469	20510009	-	1	NA	CUFF.1749	NA	u	TSS3033	2.02E-19
chr12 TCONS_00033079	XLOC_028684	20510272	20510494	-	1	NA	CUFF.1749	NA	u	TSS3033	2.139E-49
chr12 TCONS_00031646	XLOC_028686	20511885	20512341	-	1	NA	CUFF.1362	NA	u	TSS3033	1.279E-73
chr12 TCONS_00033080	XLOC_028688	20513390	20513858	-	1	NA	CUFF.1750	NA	u	TSS3033	4.079E-14
chr12 TCONS_00033081	XLOC_028689	20513929	20515361	-	1	NA	CUFF.1750	NA	u	TSS3033	0.015457
chr12 TCONS_00033082	XLOC_028690	20515432	20517723	-	1	NA	CUFF.1750	NA	u	TSS3033	0.38228
chr12 TCONS_00031654	XLOC_028693	20523877	20524265	-	1	NCRNA_332	CUFF.1364	NCRNA_332 x	TSS3034	0.026127	
chr12 TCONS_00033084	XLOC_028694	20524350	20525276	-	1	NA	CUFF.1751	NA	u	TSS3034	8.923E-05
chr12 TCONS_00033085	XLOC_028695	20525463	20526922	-	1	NA	CUFF.1751	NA	u	TSS3034	5.253E-11
chr12 TCONS_00033088	XLOC_028698	20529601	20533462	-	1	NCRNA_577	CUFF.1752	NCRNA_577 x	TSS3035	0.81945	
chr12 TCONS_00031662	XLOC_028699	20533654	20534981	-	1	NA	CUFF.1365	NA	u	TSS3035	4.407E-05
chr12 TCONS_00033090	XLOC_028699	20534846	20535453	-	1	NA	CUFF.1752	NA	u	TSS3035	1.815E-17
chr12 TCONS_00031665	XLOC_028703	20544109	20544330	-	1	NA	CUFF.1365	NA	u	TSS3036	7.057E-33
chr12 TCONS_00031666	XLOC_028704	20545795	20546035	-	1	NA	CUFF.1366	NA	u	TSS3036	8.21E-69
chr12 TCONS_00033092	XLOC_028708	20576688	20577428	-	1	NA	CUFF.1753	NA	u	TSS3036	0.4427
chr12 TCONS_00031677	XLOC_028715	20614053	20614360	-	1	NA	CUFF.1367	NA	u	TSS3037	1.54E-16

chr12 TCONS_00033094	XLOC_028717	20616767	20617027	-	1	NA	CUFF.1753 NA	u	TSS3037	4.766E-28
chr12 TCONS_00031680	XLOC_028718	20618171	20618695	-	1	NA	CUFF.1367 NA	u	TSS3037	3.005E-10
chr12 TCONS_00031681	XLOC_028718	20618827	20621924	-	1	NCRNA_1537	CUFF.1367 NCRNA_153' x		TSS3038	0.029993
chr12 TCONS_00033095	XLOC_028718	20617682	20618380	-	1	NCRNA_1537	CUFF.1753 NCRNA_153' x		TSS3037	5.625E-11
chr12 TCONS_00033096	XLOC_028718	20618420	20620289	-	1	NCRNA_1537	CUFF.1753 NCRNA_153' x		TSS3037	8.233E-15
chr12 TCONS_00033097	XLOC_028718	20620352	20623020	-	1	NA	CUFF.1753 NA	u	TSS3038	0.0056354
chr12 TCONS_00031683	XLOC_028719	20623111	20625635	-	1	NCRNA_1570	CUFF.1751 NCRNA_157' x		TSS3038	0.002145
chr12 TCONS_00031684	XLOC_028720	20625708	20627198	-	1	NCRNA_1554	CUFF.1753 NCRNA_155' x		TSS3038	0.011014
chr12 TCONS_00033099	XLOC_028722	20628010	20630137	-	1	NCRNA_1538	CUFF.1754 NCRNA_153' x		TSS3038	3.171E-23
chr12 TCONS_00033100	XLOC_028723	20630274	20630952	-	1	NA	CUFF.1754 NA	u	TSS3039	6.826E-30
chr12 TCONS_00031690	XLOC_028724	20631243	20631495	-	1	NA	CUFF.1369 NA	u	TSS3039	1.2E-46
chr12 TCONS_00033101	XLOC_028724	20631313	20631614	-	1	NA	CUFF.1754 NA	u	TSS3039	1.795E-42
chr12 TCONS_00031691	XLOC_028725	20633821	20634230	-	1	NA	CUFF.1369 NA	u	TSS3039	2.836E-58
chr12 TCONS_00033102	XLOC_028730	20644625	20644889	-	1	NA	CUFF.1755 NA	u	TSS3040	0.0007261
chr12 TCONS_00031700	XLOC_028733	20652848	20653194	-	1	OS12G0525300	CUFF.1371 OS12T05253(i		TSS3040	1.918E-45
chr12 TCONS_00033104	XLOC_028734	20650646	20651165	-	1	OS12G0525300	CUFF.1755 OS12T05253(i		TSS3040	1.835E-11
chr12 TCONS_00031699	XLOC_028735	20651551	20652210	-	1	OS12G0525300	CUFF.1371 OS12T05253(i		TSS3040	4.334E-35
chr12 TCONS_00033108	XLOC_028737	20654509	20655980	-	1	NA	CUFF.1756 NA	u	TSS3041	0.0007112
chr12 TCONS_00033109	XLOC_028738	20656056	20656420	-	1	NA	CUFF.1756 NA	u	TSS3041	2.579E-69
chr12 TCONS_00031703	XLOC_028739	20656840	20657280	-	1	NA	CUFF.1371 NA	u	TSS3041	3.249E-09
chr12 TCONS_00031704	XLOC_028740	20657392	20657594	-	1	NA	CUFF.1371 NA	u	TSS3041	2.688E-68
chr12 TCONS_00031705	XLOC_028741	20657737	20657982	-	1	NA	CUFF.1371 NA	u	TSS3041	6.547E-28
chr12 TCONS_00031708	XLOC_028743	20662361	20662842	-	1	NA	CUFF.1372 NA	u	TSS3041	0.098021
chr12 TCONS_00033113	XLOC_028769	20851620	20851946	-	1	NA	CUFF.5051 NA	u	TSS3044	3.802E-12
chr12 TCONS_00033119	XLOC_028813	21330544	21330907	-	1	OS12G0536200	CUFF.5072 OS12T05362(i		TSS3048	1.959E-24
chr12 TCONS_00031862	XLOC_028896	22052190	22052396	-	1	OS12G0545900	CUFF.3959 OS12T05459(i		TSS3057	0
chr12 TCONS_00033128	XLOC_028965	22595476	22596032	-	1	OS12G0555300	CUFF.5112 OS12T05553(x		TSS3064	6.604E-06
chr12 TCONS_00031940	XLOC_028969	22629910	22630297	-	1	OS12G0556200	CUFF.3983 OS12T05562(x		TSS3065	5.802E-74
chr12 TCONS_00033131	XLOC_029011	23026234	23026779	-	1	NA	CUFF.5127 NA	u	TSS3069	1.512E-25
chr12 TCONS_00031985	XLOC_029013	23027989	23028245	-	1	NA	CUFF.3984 NA	u	TSS3069	7.189E-23
chr12 TCONS_00033138	XLOC_029019	23041453	23042488	-	1	NA	CUFF.5136 NA	u	TSS3070	0.47893
chr12 TCONS_00033143	XLOC_029050	23264828	23265047	-	1	NA	CUFF.5144 NA	u	TSS3073	0.0001868
chr12 TCONS_00033144	XLOC_029051	23266532	23267011	-	1	NA	CUFF.5145 NA	u	TSS3074	2.02E-19
chr12 TCONS_00033147	XLOC_029056	23285123	23286148	-	1	NA	CUFF.5150 NA	u	TSS3074	2.027E-34
chr12 TCONS_00032029	XLOC_029057	23286262	23286537	-	1	NA	CUFF.4001 NA	u	TSS3075	8.942E-30

chr12 TCONS_00033150	XLOC_029061	23290493	23290696 -	1	NA	CUFF.5156 NA	u	TSS3075	6.174E-32
chr12 TCONS_00033153	XLOC_029116	23665969	23666170 -	1	NA	CUFF.5175 NA	u	TSS3081	5.365E-66
chr12 TCONS_00033155	XLOC_029145	23838314	23838531 -	1	NA	CUFF.5190 NA	u	TSS3084	9.234E-38
chr12 TCONS_00032123	XLOC_029147	23839719	23839923 -	1	NA	CUFF.4036 NA	u	TSS3084	0
chr12 TCONS_00033158	XLOC_029178	24139192	24139393 -	1	OS12G0581700	CUFF.5199 OS12T05817(i		TSS3087	1.562E-40
chr12 TCONS_00033161	XLOC_029225	24456602	24456816 -	1	OS12G0586000	CUFF.5209 OS12T05860(i		TSS3092	5.01E-43
chr12 TCONS_00033165	XLOC_029270	24939817	24940115 -	1	NA	CUFF.5219 NA	u	TSS3097	4.127E-14
chr12 TCONS_00032268	XLOC_029289	25069811	25070052 -	1	NA	CUFF.4070 NA	u	TSS3099	3.19E-28
chr12 TCONS_00032269	XLOC_029290	25070589	25070826 -	1	NA	CUFF.4071 NA	u	TSS3099	1.217E-27
chr12 TCONS_00033169	XLOC_029294	25075059	25075565 -	1	NA	CUFF.5228 NA	u	TSS3100	8.321E-10
chr12 TCONS_00033171	XLOC_029300	25093738	25094062 -	1	OS12G0597600	CUFF.5230 OS12T05976(i		TSS3100	7.972E-26
chr12 TCONS_00032407	XLOC_029420	26018049	26018249 -	1	OS12G0613850	CUFF.5267 OS12T06138(x		TSS3114	4.807E-06
chr12 TCONS_00033187	XLOC_029443	26173797	26174235 -	1	NA	CUFF.5282 NA	u	TSS3117	6.64E-47
chr12 TCONS_00032433	XLOC_029445	26174964	26175183 -	1	NA	CUFF.4118 NA	u	TSS3117	2.065E-44
chr12 TCONS_00033189	XLOC_029446	26175342	26175828 -	1	NA	CUFF.5277 NA	u	TSS3117	7.271E-16
chr12 TCONS_00032436	XLOC_029447	26176069	26176358 -	1	NA	CUFF.4122 NA	u	TSS3117	3.386E-18
chr12 TCONS_00032438	XLOC_029449	26178906	26179274 -	1	OS12G0616500	CUFF.4143 OS12T06165(x		TSS3117	0
chr12 TCONS_00032442	XLOC_029452	26201102	26201342 -	1	OS12G0616900	CUFF.4129 OS12T06169(i		TSS3118	6.072E-25
chr12 TCONS_00033192	XLOC_029481	26461579	26461826 -	1	NA	CUFF.5293 NA	u	TSS3121	2.869E-25
chr12 TCONS_00033193	XLOC_029492	26549264	26549464 -	1	OS12G0621900	CUFF.5313 OS12T06219(i		TSS3122	1.512E-25
chr12 TCONS_00033194	XLOC_029519	26824936	26825141 -	1	NA	CUFF.5322 NA	u	TSS3125	5.961E-15
chr12 TCONS_00032597	XLOC_029599	27441103	27441311 -	1	OS12G0639800	CUFF.4166 OS12T06398(x		TSS3133	4.391E-34
chr12 TCONS_00032618	XLOC_029624	20511238	20511476 .	1	NA	CUFF.1362 NA	u	TSS3136	8.261E-17
chr12 TCONS_00032619	XLOC_029625	20632668	20632892 .	1	NA	CUFF.1369 NA	u	TSS3136	6.644E-23
chr12 TCONS_00032620	XLOC_029626	20633087	20633328 .	1	NA	CUFF.1369 NA	u	TSS3136	1.738E-21
chr2 TCONS_00033289	XLOC_029703	578009	578761 +	1	NA	CUFF.4203 NA	u	TSS3145	0.059056
chr2 TCONS_00042967	XLOC_029703	578434	579011 +	1	NA	CUFF.5403 NA	u	TSS3145	1.129E-76
chr2 TCONS_00033323	XLOC_029739	752920	753422 +	1	NA	CUFF.4214 NA	u	TSS3148	2.451E-67
chr2 TCONS_00042975	XLOC_029740	753695	753814 +	1	NA	CUFF.5418 NA	u	TSS3148	7.187E-39
chr2 TCONS_00033332	XLOC_029748	784526	784741 +	1	OS02G0114600	CUFF.4223 OS02T01146(i		TSS3149	4.455E-39
chr2 TCONS_00042977	XLOC_029748	784142	784567 +	1	OS02G0114600	CUFF.5428 OS02T01146(i		TSS3149	0.10773
chr2 TCONS_00042979	XLOC_029767	842076	842444 +	1	OS02G0115900	CUFF.5504 OS02T01159(i		TSS3151	5.076E-11
chr2 TCONS_00042982	XLOC_029805	1050141	1050345 +	1	NA	CUFF.5446 NA	u	TSS3155	3.45E-60
chr2 TCONS_00033396	XLOC_029815	1102283	1102483 +	1	NA	CUFF.4238 NA	u	TSS3156	0
chr2 TCONS_00042985	XLOC_029874	1465527	1465749 +	1	OS02G0128300	CUFF.5483 OS02T01283(i		TSS3163	1.033E-24

chr2	TCONS_00033469	XLOC_029882	1549932	1550171	+	1	NA	CUFF.4262 NA	u	TSS3163	3.081E-16
chr2	TCONS_00033470	XLOC_029884	1550909	1551316	+	1	NA	CUFF.4264 NA	u	TSS3164	1.227E-15
chr2	TCONS_00042987	XLOC_029884	1550777	1551215	+	1	NA	CUFF.5476 NA	u	TSS3164	5.02E-16
chr2	TCONS_00033508	XLOC_029919	1757077	1757438	+	1	NA	CUFF.4279 NA	u	TSS3168	0.12416
chr2	TCONS_00033509	XLOC_029924	1761136	1761451	+	1	NA	CUFF.4281 NA	u	TSS3168	1.472E-26
chr2	TCONS_00033510	XLOC_029925	1761802	1762094	+	1	NA	CUFF.4282 NA	u	TSS3168	8.615E-74
chr2	TCONS_00033518	XLOC_029932	1817401	1817602	+	1	OS02G0134300	CUFF.4285 OS02T01343(i		TSS3169	0
chr2	TCONS_00043006	XLOC_030032	2645878	2646078	+	1	MPK3	CUFF.5546 OS02T01481(i		TSS3180	1.508E-30
chr2	TCONS_00033668	XLOC_030073	2880614	2880837	+	1	OS02G0152500	CUFF.4345 OS02T01525(i		TSS3185	2.741E-25
chr2	TCONS_00033671	XLOC_030076	2900396	2900632	+	1	OS02G0152600	CUFF.4338 OS02T01526(i		TSS3185	5.588E-26
chr2	TCONS_00043020	XLOC_030139	3246468	3246713	+	1	NA	CUFF.5584 NA	u	TSS3192	1.168E-26
chr2	TCONS_00043023	XLOC_030143	3249029	3249299	+	1	NA	CUFF.5585 NA	u	TSS3192	6.569E-08
chr2	TCONS_00033778	XLOC_030191	3497692	3497902	+	1	OS02G0165000	CUFF.4388 OS02T01650(x		TSS3197	1.04E-76
chr2	TCONS_00043041	XLOC_030276	4017760	4018140	+	1	NA	CUFF.5669 NA	u	TSS3207	6.161E-27
chr2	TCONS_00033872	XLOC_030277	4018694	4018974	+	1	NA	CUFF.4411 NA	u	TSS3207	0
chr2	TCONS_00043044	XLOC_030309	4205289	4205767	+	1	OS02G0176700	CUFF.5692 OS02T01767(i		TSS3210	7.297E-19
chr2	TCONS_00033906	XLOC_030310	4207634	4207899	+	1	OS02G0176700	CUFF.4422 OS02T01767(i		TSS3210	0
chr2	TCONS_00043045	XLOC_030311	4210545	4210904	+	1	NA	CUFF.5694 NA	u	TSS3210	2.109E-23
chr2	TCONS_00033949	XLOC_030353	4501612	4501868	+	1	OS02G0180800	CUFF.4440 OS02T01808(i		TSS3215	0
chr2	TCONS_00033950	XLOC_030354	4503497	4503764	+	1	OS02G0180800	CUFF.4442 OS02T01808(i		TSS3215	3.174E-60
chr2	TCONS_00033953	XLOC_030357	4510731	4510938	+	1	OS02G0180800	CUFF.4445 OS02T01808(i		TSS3215	0
chr2	TCONS_00033954	XLOC_030358	4511448	4511685	+	1	OS02G0180800	CUFF.4449 OS02T01808(i		TSS3215	2.272E-18
chr2	TCONS_00043055	XLOC_030387	4683104	4683415	+	1	OS02G0184000	CUFF.5710 OS02T01840(i		TSS3218	4.766E-28
chr2	TCONS_00043056	XLOC_030408	4811785	4811992	+	1	OS02G0186500	CUFF.5721 OS02T01865(i		TSS3221	4.359E-41
chr2	TCONS_00034015	XLOC_030419	4888321	4888522	+	1	OS02G0188000	CUFF.4461 OS02T01880(x		TSS3222	2.957E-61
chr2	TCONS_00043060	XLOC_030446	5045276	5045504	+	1	OS02G0190900	CUFF.5743 OS02T01909(x		TSS3225	2.397E-85
chr2	TCONS_00034049	XLOC_030454	5060399	5060599	+	1	OS02G0191300	CUFF.4479 OS02T01913(i		TSS3226	0
chr2	TCONS_00043065	XLOC_030462	5112176	5112425	+	1	OS02G0192001	CUFF.5768 OS02T01920(x		TSS3226	2.02E-19
chr2	TCONS_00043066	XLOC_030465	5119603	5119845	+	1	OS02G0192100	CUFF.5760 OS02T01921(x		TSS3227	3.718E-24
chr2	TCONS_00034066	XLOC_030473	5194361	5194579	+	1	OS02G0193300	CUFF.4482 OS02T01933(x		TSS3228	2.532E-36
chr2	TCONS_00034075	XLOC_030482	5222488	5222778	+	1	NA	CUFF.4493 NA	u	TSS3228	3.158E-12
chr2	TCONS_00034079	XLOC_030486	5224921	5225134	+	1	NA	CUFF.4489 NA	u	TSS3229	9.923E-24
chr2	TCONS_00043071	XLOC_030493	5237654	5237928	+	1	NCRNA_313	CUFF.5774 NCRNA_313 x		TSS3230	1.066E-57
chr2	TCONS_00043072	XLOC_030501	5346638	5347004	+	1	SAP4	CUFF.5785 OS02T01956(i		TSS3231	2.708E-34
chr2	TCONS_00034101	XLOC_030508	5372242	5372632	+	1	NA	CUFF.4508 NA	u	TSS3231	7.19E-05

chr2	TCONS_00034107	XLOC_030513	5425003	5425215	+	1	NA	CUFF.4511 NA	u	TSS3232	6.218E-73
chr2	TCONS_00043073	XLOC_030520	5508587	5508937	+	1	OS02G0198333	CUFF.5792 OS02T019833(x		TSS3233	3.129E-15
chr2	TCONS_00043074	XLOC_030523	5534621	5534821	+	1	OS02G0198700	CUFF.5796 OS02T019870(i		TSS3233	3.796E-39
chr2	TCONS_00043077	XLOC_030542	5643093	5643299	+	1	HSP23.6	CUFF.5822 OS02T020100(i		TSS3235	1.758E-06
chr2	TCONS_00034142	XLOC_030549	5693768	5693972	+	1	OS02G0201900	CUFF.4536 OS02T020190(i		TSS3236	1.911E-56
chr2	TCONS_00043081	XLOC_030557	5748457	5748667	+	1	NA	CUFF.5803 NA	u	TSS3236	0
chr2	TCONS_00043082	XLOC_030558	5749346	5749550	+	1	NA	CUFF.5801 NA	u	TSS3236	2.529E-33
chr2	TCONS_00043088	XLOC_030573	5862810	5863166	+	1	NA	CUFF.5824 NA	u	TSS3238	6.268E-22
chr2	TCONS_00043089	XLOC_030580	5919781	5919986	+	1	OS02G0205300	CUFF.5838 OS02T020530(i		TSS3239	5.443E-25
chr2	TCONS_00043090	XLOC_030588	5966440	5966771	+	1	OS02G0206400	CUFF.5840 OS02T020640(i		TSS3240	0.57062
chr2	TCONS_00034213	XLOC_030629	6210511	6210717	+	1	OS02G0211150	CUFF.4559 OS02T021115(i		TSS3244	0
chr2	TCONS_00043102	XLOC_030658	6408348	6408548	+	1	NA	CUFF.5859 NA	u	TSS3247	1.501E-13
chr2	TCONS_00034262	XLOC_030679	6527976	6528178	+	1	NA	CUFF.4570 NA	u	TSS3250	0
chr2	TCONS_00043108	XLOC_030681	6542714	6543019	+	1	NA	CUFF.5879 NA	u	TSS3250	6.174E-32
chr2	TCONS_00043109	XLOC_030683	6566054	6566256	+	1	NA	CUFF.5883 NA	u	TSS3250	1.804E-24
chr2	TCONS_00043111	XLOC_030709	6727684	6727893	+	1	OS02G0220700	CUFF.5899 OS02T022070(i		TSS3253	1.063E-19
chr2	TCONS_00034291	XLOC_030711	6744780	6744990	+	1	OS02G0221100	CUFF.4579 OS02T022110(x		TSS3253	2.603E-09
chr2	TCONS_00034332	XLOC_030752	7045887	7046143	+	1	NA	CUFF.4587 NA	u	TSS3257	0
chr2	TCONS_00034356	XLOC_030772	7130328	7130545	+	1	OS02G0227000	CUFF.4601 OS02T022700(i		TSS3260	6.512E-29
chr2	TCONS_00043119	XLOC_030808	7429191	7429393	+	1	NA	CUFF.5932 NA	u	TSS3263	1.335E-33
chr2	TCONS_00043123	XLOC_030831	7630541	7630946	+	1	NA	CUFF.5943 NA	u	TSS3266	1.125E-44
chr2	TCONS_00034417	XLOC_030832	7632219	7632420	+	1	OS02G0234800	CUFF.4618 OS02T023480(i		TSS3266	0
chr2	TCONS_00043126	XLOC_030858	7845590	7846051	+	1	OS02G0238500	CUFF.5951 OS02T023850(x		TSS3269	2.654E-11
chr2	TCONS_00043128	XLOC_030870	7995867	7996068	+	1	OS02G0241300	CUFF.5956 OS02T024130(i		TSS3270	1.339E-23
chr2	TCONS_00034504	XLOC_030917	8339216	8339419	+	1	OS02G0247200	CUFF.4640 OS02T024720(i		TSS3275	0
chr2	TCONS_00043136	XLOC_030925	8383171	8383581	+	1	OS02G0248200	CUFF.5984 OS02T024820(x		TSS3276	2.576E-38
chr2	TCONS_00034520	XLOC_030935	8453033	8453241	+	1	NA	CUFF.4636 NA	u	TSS3277	0
chr2	TCONS_00043137	XLOC_030947	8555645	8556097	+	1	OS02G0252100	CUFF.5997 OS02T025210(i		TSS3278	6.57E-17
chr2	TCONS_00043138	XLOC_030948	8556398	8556675	+	1	OS02G0252100	CUFF.5986 OS02T025210(x		TSS3278	1.748E-37
chr2	TCONS_00043144	XLOC_030974	8735540	8735748	+	1	NA	CUFF.5991 NA	u	TSS3281	4.824E-23
chr2	TCONS_00043145	XLOC_030975	8735881	8736192	+	1	NA	CUFF.5994 NA	u	TSS3281	7.972E-26
chr2	TCONS_00043146	XLOC_030976	8736299	8736939	+	1	NA	CUFF.5998 NA	u	TSS3281	7.264E-12
chr2	TCONS_00043150	XLOC_031077	9534910	9535139	+	1	NA	CUFF.6041 NA	u	TSS3292	1.739E-22
chr2	TCONS_00043152	XLOC_031094	9622811	9623015	+	1	OS02G0269000	CUFF.6052 OS02T026900(i		TSS3294	5.595E-40
chr2	TCONS_00034689	XLOC_031102	9655147	9655453	+	1	OS02G0269600	CUFF.4707 OS02T026960(x		TSS3294	3.132E-05

chr2	TCONS_00034693	XLOC_031106	9712397	9712604	+	1	NA	CUFF.4692 NA	u	TSS3295	7.896E-81
chr2	TCONS_00034725	XLOC_031132	9915630	9915906	+	1	OS02G0272800	CUFF.4706 OS02T02728(i		TSS3298	2.223E-43
chr2	TCONS_00043154	XLOC_031133	9916364	9916656	+	1	OS02G0272800	CUFF.6070 OS02T02728(i		TSS3298	3.258E-32
chr2	TCONS_00043155	XLOC_031135	9917328	9917563	+	1	OS02G0272800	CUFF.6074 OS02T02728(i		TSS3298	5.476E-35
chr2	TCONS_00043156	XLOC_031136	9921987	9922293	+	1	NA	CUFF.6058 NA	u	TSS3298	6.604E-06
chr2	TCONS_00043158	XLOC_031137	9922894	9923241	+	1	NA	CUFF.6060 NA	u	TSS3298	1.14E-05
chr2	TCONS_00043159	XLOC_031138	9926337	9926547	+	1	OS02G0272900	CUFF.6063 OS02T02729(i		TSS3298	2.02E-19
chr2	TCONS_00043163	XLOC_031142	9934797	9935013	+	1	OS02G0273000	CUFF.6078 OS02T02730(x		TSS3299	5.076E-11
chr2	TCONS_00043164	XLOC_031143	9935976	9936219	+	1	OS02G0273000	CUFF.6083 OS02T02730(x		TSS3299	8.626E-16
chr2	TCONS_00043165	XLOC_031155	10083567	10083779	+	1	NA	CUFF.6069 NA	u	TSS3300	1.508E-30
chr2	TCONS_00043166	XLOC_031156	10083996	10084207	+	1	NA	CUFF.6072 NA	u	TSS3300	9.158E-23
chr2	TCONS_00034744	XLOC_031158	10091358	10091761	+	1	OS02G0275200	CUFF.4720 OS02T02752(i		TSS3300	5.632E-31
chr2	TCONS_00043168	XLOC_031161	10094904	10095128	+	1	OS02G0275200	CUFF.6079 OS02T02752(x		TSS3301	0
chr2	TCONS_00034811	XLOC_031219	10776481	10776695	+	1	OS02G0286700	CUFF.4728 OS02T02867(x		TSS3307	1.336E-34
chr2	TCONS_00034812	XLOC_031220	10777510	10778377	+	1	NA	CUFF.4727 NA	u	TSS3307	1.839E-35
chr2	TCONS_00043173	XLOC_031220	10777423	10777665	+	1	NA	CUFF.6097 NA	u	TSS3307	1.283E-05
chr2	TCONS_00043174	XLOC_031225	10822369	10822607	+	1	NA	CUFF.6100 NA	u	TSS3308	7.187E-39
chr2	TCONS_00034831	XLOC_031240	10986017	10986676	+	1	OS02G0290300	CUFF.4745 OS02T02903(x		TSS3309	6.086E-18
chr2	TCONS_00034851	XLOC_031261	11164629	11164844	+	1	OS02G0293500	CUFF.4748 OS02T02935(x		TSS3312	2.741E-25
chr2	TCONS_00043179	XLOC_031262	11168220	11168464	+	1	NA	CUFF.6111 NA	u	TSS3312	6.161E-27
chr2	TCONS_00043180	XLOC_031263	11170077	11170562	+	1	NA	CUFF.6115 NA	u	TSS3312	1.758E-06
chr2	TCONS_00043181	XLOC_031271	11213160	11213560	+	1	NCRNA_5025	CUFF.6113 NCRNA_502:x		TSS3313	1.713E-27
chr2	TCONS_00034863	XLOC_031272	11215152	11215379	+	1	NA	CUFF.4746 NA	u	TSS3313	7.436E-14
chr2	TCONS_00043185	XLOC_031305	11701743	11702001	+	1	OS02G0301800	CUFF.6135 OS02T03018(x		TSS3317	5.961E-15
chr2	TCONS_00043186	XLOC_031333	12026262	12026645	+	1	OS02G0307000	CUFF.6155 OS02T03070(i		TSS3320	1.947E-29
chr2	TCONS_00043188	XLOC_031381	12528471	12528735	+	1	NA	CUFF.6156 NA	u	TSS3325	9.712E-11
chr2	TCONS_00034982	XLOC_031391	12632941	12633144	+	1	OS02G0317800	CUFF.4797 OS02T03178(i		TSS3326	0
chr2	TCONS_00043191	XLOC_031391	12632729	12633100	+	1	OS02G0317800	CUFF.6173 OS02T03178(i		TSS3326	4.2E-31
chr2	TCONS_00043193	XLOC_031399	12734489	12734705	+	1	NA	CUFF.6183 NA	u	TSS3327	3.301E-22
chr2	TCONS_00035014	XLOC_031424	13002163	13002424	+	1	NA	CUFF.4800 NA	u	TSS3329	3.908E-74
chr2	TCONS_00035031	XLOC_031441	13183237	13183448	+	1	OS02G0327100	CUFF.4811 OS02T03271(x		TSS3331	0
chr2	TCONS_00043197	XLOC_031464	13462376	13462591	+	1	NA	CUFF.6211 NA	u	TSS3333	6.161E-27
chr2	TCONS_00035075	XLOC_031487	13847143	13847354	+	1	OS02G0435000	CUFF.4830 OS02T04350(i		TSS3336	1.578E-37
chr2	TCONS_00035097	XLOC_031508	14072253	14072468	+	1	NA	CUFF.4828 NA	u	TSS3338	5.847E-46
chr2	TCONS_00043206	XLOC_031524	14254388	14254957	+	1	NA	CUFF.6247 NA	u	TSS3340	3.24E-32

chr2	TCONS_00043210	XLOC_031553	14536161	14536529	+	1	OS02G0448400	CUFF.6269	OS02T04484(x	TSS3343	7.264E-12	
chr2	TCONS_00035171	XLOC_031580	14945875	14946082	+	1	OS02G0452500	CUFF.4866	OS02T04525(x	TSS3346	9.991E-55	
chr2	TCONS_00043215	XLOC_031581	14949599	14949873	+	1	OS02G0452500	CUFF.6284	OS02T04525(x	TSS3346	3.047E-45	
chr2	TCONS_00043217	XLOC_031585	14954583	14955148	+	1	OS02G0452500	CUFF.6290	OS02T04525(x	TSS3346	9.712E-11	
chr2	TCONS_00043220	XLOC_031588	14958591	14958792	+	1	OS02G0452500	CUFF.6295	OS02T04525(x	TSS3347	2.943E-20	
chr2	TCONS_00043225	XLOC_031639	15475491	15475697	+	1	OS02G0461600	CUFF.6319	OS02T04616(i	TSS3352	2.863E-13	
chr2	TCONS_00043226	XLOC_031651	15603727	15604331	+	1	OS02G0464550	CUFF.6310	OS02T04645(i	TSS3354	3.624E-65	
chr2	TCONS_00043227	XLOC_031652	15604601	15604968	+	1	OS02G0464550	CUFF.6314	OS02T04645(i	TSS3354	4.824E-23	
chr2	TCONS_00043233	XLOC_031690	15935279	15935664	+	1	NA	CUFF.6334	NA	u	TSS3358	5.759E-25
chr2	TCONS_00043236	XLOC_031694	15938576	15938913	+	1	NA	CUFF.6335	NA	u	TSS3358	1.217E-39
chr2	TCONS_00035286	XLOC_031696	15939715	15939955	+	1	NA	CUFF.4879	NA	u	TSS3359	1.974E-08
chr2	TCONS_00043237	XLOC_031696	15939547	15939771	+	1	NA	CUFF.6338	NA	u	TSS3358	6.232E-55
chr2	TCONS_00035292	XLOC_031705	15945373	15945746	+	1	NA	CUFF.4884	NA	u	TSS3360	3.716E-17
chr2	TCONS_00035293	XLOC_031706	15946873	15947175	+	1	NA	CUFF.4886	NA	u	TSS3360	1.986E-34
chr2	TCONS_00043244	XLOC_031707	15949172	15949457	+	1	NA	CUFF.6348	NA	u	TSS3360	0.0001106
chr2	TCONS_00043245	XLOC_031708	15955408	15955677	+	1	OS02G0470600	CUFF.6357	OS02T04706(i	TSS3360	7.959E-31	
chr2	TCONS_00035295	XLOC_031710	15973032	15973281	+	1	OS02G0470600	CUFF.4904	OS02T04706(i	TSS3360	4.446E-08	
chr2	TCONS_00043246	XLOC_031711	15974505	15974713	+	1	OS02G0470600	CUFF.6366	OS02T04706(i	TSS3360	1.063E-19	
chr2	TCONS_00043249	XLOC_031733	16116979	16117428	+	1	OS02G0473200	CUFF.6362	OS02T04732(i	TSS3362	3.69E-29	
chr2	TCONS_00043250	XLOC_031752	16364278	16364656	+	1	OS02G0477700	CUFF.6367	OS02T04777(x	TSS3364	4.877E-38	
chr2	TCONS_00035362	XLOC_031776	16609205	16609456	+	1	NA	CUFF.4906	NA	u	TSS3367	8.802E-68
chr2	TCONS_00035394	XLOC_031807	16983759	16984333	+	1	OS02G0488600	CUFF.4922	OS02T04886(i	TSS3370	1.154E-86	
chr2	TCONS_00035395	XLOC_031808	16984746	16985019	+	1	OS02G0488600	CUFF.4924	OS02T04886(i	TSS3370	0.018843	
chr2	TCONS_00035603	XLOC_031993	18579718	18580354	+	1	OS02G0515200	CUFF.4975	OS02T05152(i	TSS3390	3.246E-29	
chr2	TCONS_00043262	XLOC_032029	18988286	18988754	+	1	NA	CUFF.8360	NA	u	TSS3394	8.925E-46
chr2	TCONS_00035646	XLOC_032031	18999355	18999640	+	1	OS02G0521300	CUFF.4983	OS02T05213(i	TSS3394	1.11E-13	
chr2	TCONS_00035647	XLOC_032031	18999898	19000233	+	1	OS02G0521300	CUFF.4984	OS02T05213(i	TSS3394	9.83E-24	
chr2	TCONS_00043263	XLOC_032031	18999460	18999964	+	1	OS02G0521300	CUFF.8390	OS02T05213(x	TSS3394	6.994E-29	
chr2	TCONS_00043267	XLOC_032080	19346814	19347108	+	1	OS02G0528000	CUFF.6467	OS02T05280(x	TSS3399	5.443E-25	
chr2	TCONS_00035704	XLOC_032090	19402490	19402712	+	1	NA	CUFF.4993	NA	u	TSS3400	2.074E-19
chr2	TCONS_00043270	XLOC_032091	19402983	19403318	+	1	NA	CUFF.6462	NA	u	TSS3400	5.592E-20
chr2	TCONS_00043275	XLOC_032097	19415457	19416231	+	1	OS02G0528900	CUFF.6494	OS02T05289(i	TSS3401	0.82581	
chr2	TCONS_00043276	XLOC_032098	19417072	19417395	+	1	OS02G0528900	CUFF.6502	OS02T05289(i	TSS3401	3.802E-12	
chr2	TCONS_00043278	XLOC_032103	19450118	19450319	+	1	NA	CUFF.6475	NA	u	TSS3401	6.268E-22
chr2	TCONS_00043282	XLOC_032146	19711349	19711706	+	1	OS02G0534800	CUFF.6504	OS02T05348(i	TSS3406	3.405E-06	

chr2	TCONS_00035754	XLOC_032147	19712597	19712868	+	1	OS02G0534800	CUFF.5016	OS02T05348(i	TSS3406	0	
chr2	TCONS_00035781	XLOC_032175	19917329	19917624	+	1	OS02G0537900	CUFF.6512	OS02T05379(i	TSS3409	2.064E-44	
chr2	TCONS_00043287	XLOC_032228	20488728	20489277	+	1	OS02G0546400	CUFF.6540	OS02T05464(i	TSS3414	1.136E-14	
chr2	TCONS_00043289	XLOC_032261	20748347	20748605	+	1	OS02G0551100	CUFF.6555	OS02T05511(i	TSS3418	0.0003675	
chr2	TCONS_00035879	XLOC_032267	20784113	20784461	+	1	OS02G0551700	CUFF.5054	OS02T05517(x	TSS3418	1.503E-65	
chr2	TCONS_00035880	XLOC_032268	20785547	20785786	+	1	NA	CUFF.5049	NA	u	TSS3419	1.672E-17
chr2	TCONS_00043291	XLOC_032269	20786252	20786515	+	1	NA	CUFF.6551	NA	u	TSS3419	2.216E-26
chr2	TCONS_00035906	XLOC_032295	20928305	20928760	+	1	OS02G0554300	CUFF.5060	OS02T05543(i	TSS3421	2.713E-71	
chr2	TCONS_00043299	XLOC_032331	21105371	21105781	+	1	OS02G0557300	CUFF.6571	OS02T05573(i	TSS3425	3.718E-24	
chr2	TCONS_00035942	XLOC_032333	21117550	21117773	+	1	OS02G0557600	CUFF.5073	OS02T05576(i	TSS3425	1.563E-27	
chr2	TCONS_00043304	XLOC_032388	21496380	21496584	+	1	NA	CUFF.6581	NA	u	TSS3431	5.592E-20
chr2	TCONS_00043305	XLOC_032389	21501005	21501437	+	1	NA	CUFF.6583	NA	u	TSS3431	2.216E-26
chr2	TCONS_00036025	XLOC_032410	21648015	21648252	+	1	NA	CUFF.5083	NA	u	TSS3434	0
chr2	TCONS_00043308	XLOC_032411	21648740	21648950	+	1	NCRNA_34463	CUFF.6592	NCRNA_344(x	TSS3434	3.127E-63	
chr2	TCONS_00043309	XLOC_032425	21811374	21811615	+	1	CYP71Z7	CUFF.6611	OS02T05707(x	TSS3435	2.303E-41	
chr2	TCONS_00036062	XLOC_032447	21929381	21929761	+	1	NA	CUFF.5097	NA	u	TSS3437	5.848E-09
chr2	TCONS_00036063	XLOC_032448	21929856	21930302	+	1	NA	CUFF.5098	NA	u	TSS3437	8.42E-07
chr2	TCONS_00043311	XLOC_032450	21934747	21934949	+	1	RIBA2	CUFF.6617	OS02T05724(i	TSS3438	6.57E-17	
chr2	TCONS_00036070	XLOC_032457	21989653	21989860	+	1	OS02G0573400	CUFF.5103	OS02T05734(x	TSS3438	0	
chr2	TCONS_00036106	XLOC_032494	22300767	22300970	+	1	OS02G0579600	CUFF.5112	OS02T05796(i	TSS3442	7.296E-43	
chr2	TCONS_00036128	XLOC_032513	22461577	22461780	+	1	OS02G0582400	CUFF.6633	OS02T05824(i	TSS3445	6.152E-71	
chr2	TCONS_00036139	XLOC_032524	22545311	22545597	+	1	NA	CUFF.5124	NA	u	TSS3446	1.503E-65
chr2	TCONS_00043320	XLOC_032524	22545551	22545872	+	1	NA	CUFF.6634	NA	u	TSS3446	8.724E-37
chr2	TCONS_00036141	XLOC_032526	22550446	22550936	+	1	OS02G0584700	CUFF.5129	OS02T05847(x	TSS3446	9.705E-78	
chr2	TCONS_00043321	XLOC_032527	22551315	22551662	+	1	OS02G0584700	CUFF.6638	OS02T05847(x	TSS3446	1.775E-08	
chr2	TCONS_00036143	XLOC_032529	22560858	22561069	+	1	NA	CUFF.5126	NA	u	TSS3446	7.263E-88
chr2	TCONS_00036148	XLOC_032534	22593091	22593382	+	1	NCRNA_1219	CUFF.5128	NCRNA_121(x	TSS3447	4.159E-06	
chr2	TCONS_00043323	XLOC_032559	22824312	22824527	+	1	NEK6	CUFF.6648	OS02T05908(x	TSS3449	5.01E-43	
chr2	TCONS_00036229	XLOC_032601	23121091	23121411	+	1	OS02G0595900	CUFF.5155	OS02T05959(x	TSS3454	4.574E-52	
chr2	TCONS_00043329	XLOC_032610	23185828	23186040	+	1	OS02G0597000	CUFF.6665	OS02T05970(i	TSS3455	9.541E-18	
chr2	TCONS_00043331	XLOC_032640	23515154	23515787	+	1	OS02G0601100	CUFF.6679	OS02T06011(x	TSS3458	1.083E-27	
chr2	TCONS_00043340	XLOC_032683	23752636	23752911	+	1	NA	CUFF.6703	NA	u	TSS3463	1.758E-06
chr2	TCONS_00043342	XLOC_032699	23900893	23901306	+	1	OS02G0609000	CUFF.6716	OS02T06090(x	TSS3464	2.638E-18	
chr2	TCONS_00036328	XLOC_032703	23926206	23926437	+	1	NA	CUFF.5199	NA	u	TSS3465	4.746E-28
chr2	TCONS_00036330	XLOC_032706	23938189	23938396	+	1	NA	CUFF.5200	NA	u	TSS3465	2.182E-71

chr2	TCONS_00043349	XLOC_032742	24165693	24165905	+	1	OS02G0613100	CUFF.6738	OS02T06131(x	TSS3469	1.307E-09	
chr2	TCONS_00036366	XLOC_032745	24181262	24181768	+	1	OS02G0613400	CUFF.5212	OS02T06134(x	TSS3469	4.272E-07	
chr2	TCONS_00043351	XLOC_032745	24181147	24181600	+	1	OS02G0613400	CUFF.6739	OS02T06134(x	TSS3469	0.073626	
chr2	TCONS_00043353	XLOC_032748	24185533	24185867	+	1	NA	CUFF.6732	NA	u	TSS3470	1.758E-06
chr2	TCONS_00043356	XLOC_032778	24489588	24489888	+	1	OS02G0617300	CUFF.6759	OS02T06173(i	TSS3473	2.577E-56	
chr2	TCONS_00043357	XLOC_032779	24498703	24498936	+	1	OS02G0617300	CUFF.6762	OS02T06173(i	TSS3473	2.576E-38	
chr2	TCONS_00043360	XLOC_032787	24536514	24536853	+	1	NA	CUFF.6746	NA	u	TSS3474	4.766E-28
chr2	TCONS_00043363	XLOC_032825	24778917	24779288	+	1	OS02G0622300	CUFF.6768	OS02T06223(x	TSS3478	8.061E-36	
chr2	TCONS_00036489	XLOC_032871	25274947	25275167	+	1	NA	CUFF.5240	NA	u	TSS3483	9.037E-25
chr2	TCONS_00043369	XLOC_032878	25280961	25281539	+	1	NA	CUFF.6789	NA	u	TSS3483	2.744E-28
chr2	TCONS_00036527	XLOC_032908	25513175	25513378	+	1	OS02G0636300	CUFF.5260	OS02T06363(i	TSS3487	1.237E-35	
chr2	TCONS_00043371	XLOC_032919	25584484	25584691	+	1	OS02G0638200	CUFF.6806	OS02T06382(x	TSS3488	4.877E-38	
chr2	TCONS_00043373	XLOC_032988	26251079	26251343	+	1	OS02G0651300	CUFF.6823	OS02T06513(i	TSS3495	9.09E-07	
chr2	TCONS_00043375	XLOC_032998	26345244	26345462	+	1	NA	CUFF.6825	NA	u	TSS3497	4.257E-36
chr2	TCONS_00043376	XLOC_033005	26399446	26399711	+	1	OS02G0654400	CUFF.6828	OS02T06544(i	TSS3498	1.339E-23	
chr2	TCONS_00036651	XLOC_033009	26421067	26421458	+	1	NA	CUFF.5280	NA	u	TSS3498	2.649E-46
chr2	TCONS_00036657	XLOC_033018	26510005	26510223	+	1	OS02G0656200	CUFF.5288	OS02T06562(x	TSS3499	1.463E-23	
chr2	TCONS_00036677	XLOC_033039	26666331	26666536	+	1	OS02G0658900	CUFF.5294	OS02T06589(i	TSS3501	0	
chr2	TCONS_00036690	XLOC_033053	26770141	26770928	+	1	TPP1	CUFF.5304	OS02T06611(x	TSS3503	4.372E-42	
chr2	TCONS_00036691	XLOC_033054	26771236	26771441	+	1	TPP1	CUFF.5305	OS02T06611(i	TSS3503	7.467E-30	
chr2	TCONS_00043384	XLOC_033080	26986128	26986349	+	1	OS02G0664700	CUFF.6871	OS02T06647(i	TSS3506	5.183E-48	
chr2	TCONS_00043388	XLOC_033088	27030884	27031089	+	1	OS02G0665600	CUFF.6884	OS02T06656(x	TSS3507	5.443E-25	
chr2	TCONS_00043390	XLOC_033092	27055810	27056017	+	1	OS02G0666300	CUFF.6903	OS02T06663(i	TSS3507	1.063E-19	
chr2	TCONS_00036740	XLOC_033098	27086707	27086917	+	1	NA	CUFF.5310	NA	u	TSS3508	0
chr2	TCONS_00043393	XLOC_033121	27279165	27279402	+	1	OS02G0671400	CUFF.6902	OS02T06714(x	TSS3510	0.0003675	
chr2	TCONS_00036827	XLOC_033182	27806257	27806670	+	1	NA	CUFF.5338	NA	u	TSS3517	0
chr2	TCONS_00043397	XLOC_033189	27852896	27853155	+	1	NA	CUFF.6923	NA	u	TSS3517	7.393E-44
chr2	TCONS_00036853	XLOC_033209	28015517	28015898	+	1	OS02G0684800	CUFF.5351	OS02T06848(i	TSS3519	3.29E-14	
chr2	TCONS_00043401	XLOC_033214	28080652	28080909	+	1	OS02G0685600	CUFF.6933	OS02T06856(i	TSS3520	1.815E-17	
chr2	TCONS_00036868	XLOC_033224	28161509	28161825	+	1	OS02G0687500	CUFF.5370	OS02T06875(x	TSS3521	3.556E-64	
chr2	TCONS_00036887	XLOC_033239	28285304	28285524	+	1	NA	CUFF.5362	NA	u	TSS3522	2.58E-41
chr2	TCONS_00036889	XLOC_033241	28300467	28301137	+	1	NA	CUFF.5366	NA	u	TSS3523	0.0023811
chr2	TCONS_00043403	XLOC_033241	28300002	28300883	+	1	NA	CUFF.6948	NA	u	TSS3523	1.688E-36
chr2	TCONS_00043406	XLOC_033243	28302926	28303173	+	1	NA	CUFF.6941	NA	u	TSS3523	1.335E-33
chr2	TCONS_00043407	XLOC_033244	28303474	28303680	+	1	NA	CUFF.6942	NA	u	TSS3523	2.216E-26

chr2	TCONS_00043410	XLOC_033248	28305843	28306232	+	1	NA	CUFF.6951	NA	u	TSS3524	1.959E-24
chr2	TCONS_00043414	XLOC_033270	28480652	28480913	+	1	OS02G0693500	CUFF.6963	OS02T06935(i		TSS3526	2.469E-51
chr2	TCONS_00043416	XLOC_033274	28519716	28520029	+	1	OS02G0694201	CUFF.6976	OS02T06942(i		TSS3526	3.839E-19
chr2	TCONS_00036912	XLOC_033275	28520308	28520347	+	1	OS02G0694201	CUFF.6975	OS02T06942(x		TSS3526	4.203E-26
chr2	TCONS_00043418	XLOC_033292	28627309	28627990	+	1	NA	CUFF.6968	NA	u	TSS3528	1.517E-41
chr2	TCONS_00043420	XLOC_033294	28628485	28629587	+	1	NA	CUFF.6971	NA	u	TSS3529	0.0002157
chr2	TCONS_00043425	XLOC_033356	29062072	29062516	+	1	OS02G0704300	CUFF.6998	OS02T07043(x		TSS3535	9.91E-43
chr2	TCONS_00043426	XLOC_033357	29063571	29063806	+	1	NA	CUFF.6997	NA	u	TSS3535	1.268E-85
chr2	TCONS_00037011	XLOC_033370	29140245	29141072	+	1	OS02G0705600	CUFF.5431	OS02T07056(i		TSS3537	8.968E-51
chr2	TCONS_00043427	XLOC_033377	29224619	29225242	+	1	OS02G0706900	CUFF.7007	OS02T07069(x		TSS3538	1.063E-19
chr2	TCONS_00043438	XLOC_033420	29500957	29501243	+	1	NA	CUFF.7030	NA	u	TSS3542	1.238E-82
chr2	TCONS_00043439	XLOC_033422	29504418	29504650	+	1	OS02G0712500	CUFF.7038	OS02T07125(x		TSS3542	8.155E-21
chr2	TCONS_00037062	XLOC_033425	29521015	29521431	+	1	OS02G0712700	CUFF.5449	OS02T07127(i		TSS3543	3.808E-10
chr2	TCONS_00037063	XLOC_033426	29521591	29521796	+	1	OS02G0712700	CUFF.5450	OS02T07127(i		TSS3543	0
chr2	TCONS_00037066	XLOC_033429	29567181	29567406	+	1	NA	CUFF.5437	NA	u	TSS3543	5.553E-31
chr2	TCONS_00037067	XLOC_033430	29567504	29567805	+	1	NA	CUFF.5439	NA	u	TSS3543	2.957E-61
chr2	TCONS_00037068	XLOC_033431	29568885	29569093	+	1	NA	CUFF.5438	NA	u	TSS3543	3.336E-14
chr2	TCONS_00037069	XLOC_033432	29571166	29571385	+	1	NA	CUFF.5440	NA	u	TSS3543	2.998E-39
chr2	TCONS_00037070	XLOC_033433	29573482	29573895	+	1	OS02G0713700	CUFF.5442	OS02T07137(x		TSS3544	8.261E-17
chr2	TCONS_00037139	XLOC_033496	29948169	29948581	+	1	OS02G0721700	CUFF.5466	OS02T07217(i		TSS3550	1.484E-54
chr2	TCONS_00037144	XLOC_033500	30001604	30001820	+	1	OS02G0722500	CUFF.5470	OS02T07225(i		TSS3551	4.606E-19
chr2	TCONS_00043445	XLOC_033507	30024861	30025064	+	1	OS02G0722800	CUFF.7068	OS02T07228(i		TSS3551	2.943E-20
chr2	TCONS_00043447	XLOC_033526	30150093	30150294	+	1	OS02G0725300	CUFF.7070	OS02T07253(i		TSS3553	6.57E-17
chr2	TCONS_00043449	XLOC_033556	30303627	30303869	+	1	OS02G0728100	CUFF.7078	OS02T07281(i		TSS3557	1.326E-28
chr2	TCONS_00043452	XLOC_033580	30463724	30464128	+	1	OS02G0731300	CUFF.7084	OS02T07313(x		TSS3559	1.043E-12
chr2	TCONS_00037291	XLOC_033642	30956064	30956304	+	1	NA	CUFF.5504	NA	u	TSS3566	7.632E-32
chr2	TCONS_00037294	XLOC_033645	30980692	30980996	+	1	OS02G0740700	CUFF.5514	OS02T07407(x		TSS3566	0
chr2	TCONS_00043460	XLOC_033659	31021400	31021807	+	1	NA	CUFF.7109	NA	u	TSS3567	9.158E-23
chr2	TCONS_00043463	XLOC_033664	31031948	31032156	+	1	OS02G0741500	CUFF.7115	OS02T07415(i		TSS3568	9.234E-38
chr2	TCONS_00043471	XLOC_033685	31144952	31145358	+	1	OS02G0743200	CUFF.7124	OS02T07432(x		TSS3571	6.57E-17
chr2	TCONS_00043474	XLOC_033726	31436496	31436970	+	1	OS02G0748100	CUFF.7140	OS02T07481(i		TSS3575	6.57E-17
chr2	TCONS_00037376	XLOC_033728	31443917	31444123	+	1	NA	CUFF.5530	NA	u	TSS3575	2.724E-85
chr2	TCONS_00037387	XLOC_033740	31511674	31511891	+	1	OS02G0749500	CUFF.5541	OS02T07495(i		TSS3577	0
chr2	TCONS_00037427	XLOC_033783	31760956	31761381	+	1	NA	CUFF.5546	NA	u	TSS3581	1.07E-22
chr2	TCONS_00043489	XLOC_033798	31919840	31920392	+	1	OS02G0757900	CUFF.7174	OS02T07579(x		TSS3583	8.154E-21

chr2	TCONS_00037472	XLOC_033820	32077711	32077920	+	1	OS02G0761600	CUFF.5566 OS02T07616(i	TSS3586	0
chr2	TCONS_00043491	XLOC_033822	32101640	32101842	+	1	NCS6	CUFF.7194 OS02T07623(x	TSS3586	2.869E-25
chr2	TCONS_00043493	XLOC_033827	32149847	32150239	+	1	NA	CUFF.7190 NA u	TSS3586	4.203E-26
chr2	TCONS_00037485	XLOC_033837	32203454	32203688	+	1	NA	CUFF.5568 NA u	TSS3587	1.238E-25
chr2	TCONS_00037491	XLOC_033843	32277717	32278106	+	1	OS02G0766700	CUFF.5575 OS02T07667(i	TSS3588	5.289E-42
chr2	TCONS_00037504	XLOC_033857	32371867	32372069	+	1	OS02G0768400	CUFF.5582 OS02T07684(i	TSS3589	6.775E-44
chr2	TCONS_00037524	XLOC_033876	32536958	32537185	+	1	NA	CUFF.5586 NA u	TSS3591	2.943E-29
chr2	TCONS_00037535	XLOC_033887	32595309	32595836	+	1	OS02G0772200	CUFF.7213 OS02T07722(x	TSS3592	3.045E-19
chr2	TCONS_00043502	XLOC_033907	32686174	32686399	+	1	OS02G0774200	CUFF.7218 OS02T07742(x	TSS3594	1.179E-54
chr2	TCONS_00043503	XLOC_033909	32692611	32692811	+	1	OS02G0774300	CUFF.7231 OS02T07743(i	TSS3595	6.222E-68
chr2	TCONS_00037563	XLOC_033915	32739334	32739545	+	1	OS02G0775400	CUFF.5599 OS02T07754(i	TSS3595	4.716E-77
chr2	TCONS_00043507	XLOC_033963	33126495	33126698	+	1	OS02G0781700	CUFF.7252 OS02T07817(i	TSS3601	6.161E-27
chr2	TCONS_00043510	XLOC_033976	33172495	33172772	+	1	OS02G0782300	CUFF.7263 OS02T07823(i	TSS3602	7.297E-19
chr2	TCONS_00037629	XLOC_033977	33174432	33174686	+	1	OS02G0782300	CUFF.5627 OS02T07823(i	TSS3602	9.09E-07
chr2	TCONS_00037636	XLOC_033986	33216212	33216430	+	1	NA	CUFF.5621 NA u	TSS3603	3.488E-37
chr2	TCONS_00043520	XLOC_034002	33316952	33317297	+	1	NCRNA_9665	CUFF.7269 NCRNA_966:x	TSS3605	2.165E-14
chr2	TCONS_00037674	XLOC_034023	33477040	33477250	+	1	OS02G0787800	CUFF.5646 OS02T07878(x	TSS3607	0.089252
chr2	TCONS_00037675	XLOC_034024	33478058	33478266	+	1	OS02G0787800	CUFF.5653 OS02T07878(x	TSS3607	4.697E-49
chr2	TCONS_00043522	XLOC_034031	33503052	33503469	+	1	OS02G0788600	CUFF.7283 OS02T07886(i	TSS3608	3.047E-45
chr2	TCONS_00037686	XLOC_034036	33540845	33541071	+	1	NA	CUFF.5638 NA u	TSS3609	1.168E-41
chr2	TCONS_00037699	XLOC_034047	33641664	33641865	+	1	NA	CUFF.5644 NA u	TSS3610	6.356E-67
chr2	TCONS_00043525	XLOC_034071	33781712	33782355	+	1	NA	CUFF.7296 NA u	TSS3613	7.338E-08
chr2	TCONS_00037743	XLOC_034087	33861844	33862045	+	1	OS02G0796500	CUFF.5669 OS02T07965(i	TSS3614	0
chr2	TCONS_00037746	XLOC_034090	33888786	33889026	+	1	NA	CUFF.5661 NA u	TSS3615	0
chr2	TCONS_00043530	XLOC_034092	33892122	33892393	+	1	NA	CUFF.7302 NA u	TSS3615	2.064E-44
chr2	TCONS_00043531	XLOC_034093	33893445	33893678	+	1	NA	CUFF.7303 NA u	TSS3615	2.439E-07
chr2	TCONS_00043532	XLOC_034096	33920125	33920325	+	1	OS02G0797100	CUFF.7307 OS02T07971(x	TSS3615	3.301E-22
chr2	TCONS_00037802	XLOC_034145	34223661	34223930	+	1	OS02G0802700	CUFF.5681 OS02T08027(i	TSS3620	0.0007261
chr2	TCONS_00037803	XLOC_034147	34230206	34230421	+	1	NA	CUFF.5680 NA u	TSS3620	0
chr2	TCONS_00043536	XLOC_034171	34378300	34378505	+	1	OS02G0805800	CUFF.7332 OS02T08058(x	TSS3623	5.596E-40
chr2	TCONS_00037865	XLOC_034204	34621560	34621809	+	1	OS02G0810100	CUFF.5708 OS02T08101(i	TSS3627	4.446E-08
chr2	TCONS_00043541	XLOC_034213	34703360	34703561	+	1	NA	CUFF.7357 NA u	TSS3628	1.508E-30
chr2	TCONS_00037877	XLOC_034216	34738876	34739082	+	1	NA	CUFF.5707 NA u	TSS3628	1.986E-34
chr2	TCONS_00043546	XLOC_034249	34905008	34905446	+	1	NA	CUFF.7367 NA u	TSS3631	4.766E-28
chr2	TCONS_00037930	XLOC_034270	35006523	35006729	+	1	OS02G0816600	CUFF.5720 OS02T08166(x	TSS3634	0.0077427

chr2	TCONS_00037931	XLOC_034272	35007559	35007836	+	1	NA	CUFF.5719	NA	u	TSS3634	0.018843
chr2	TCONS_00043551	XLOC_034274	35008568	35008913	+	1	NA	CUFF.7373	NA	u	TSS3634	2.439E-07
chr2	TCONS_00037941	XLOC_034282	35077607	35077813	+	1	NA	CUFF.5724	NA	u	TSS3635	0
chr2	TCONS_00043553	XLOC_034306	35182588	35183026	+	1	OS02G0819500	CUFF.7401	OS02T08195(i		TSS3638	5.961E-15
chr2	TCONS_00043558	XLOC_034355	35421336	35421677	+	1	OS02G0824400	CUFF.7411	OS02T08244(x		TSS3643	2.307E-16
chr2	TCONS_00043562	XLOC_034366	35462716	35462968	+	1	OS02G0825650	CUFF.7416	OS02T08256(i		TSS3645	7.869E-14
chr2	TCONS_00043563	XLOC_034368	35465960	35466198	+	1	OS02G0825650	CUFF.7422	OS02T08256(i		TSS3645	1.037E-34
chr2	TCONS_00038034	XLOC_034370	35467439	35467753	+	1	OS02G0825650	CUFF.5758	OS02T08256(i		TSS3645	2.137E-60
chr2	TCONS_00043566	XLOC_034372	35475350	35475718	+	1	OS02G0825650	CUFF.7441	OS02T08256(i		TSS3645	1.643E-15
chr2	TCONS_00038035	XLOC_034373	35475960	35476572	+	1	OS02G0825650	CUFF.5766	OS02T08256(i		TSS3645	0.18507
chr2	TCONS_00038051	XLOC_034388	35576298	35576539	+	1	OS02G0827900	CUFF.5770	OS02T08279(i		TSS3647	0.48773
chr2	TCONS_00038057	XLOC_034394	35607852	35608059	+	1	NA	CUFF.5763	NA	u	TSS3647	2.953E-34
chr2	TCONS_00043570	XLOC_034436	35836382	35836603	+	1	NA	CUFF.7449	NA	u	TSS3652	4.2E-31
chr2	TCONS_00038115	XLOC_034446	17878	18091	-	1	OS02G0100300	CUFF.4181	OS02T01003(x		TSS3653	6.037E-51
chr2	TCONS_00038148	XLOC_034477	204425	204673	-	1	OS02G0104100	CUFF.5381	OS02T01041(x		TSS3656	1.612E-35
chr2	TCONS_00043575	XLOC_034496	411475	413762	-	1	OS02G0106966	CUFF.5410	OS02T01069(x		TSS3658	2.718E-08
chr2	TCONS_00043576	XLOC_034497	414539	414819	-	1	NA	CUFF.5387	NA	u	TSS3659	3.56E-10
chr2	TCONS_00038168	XLOC_034498	415223	417038	-	1	OS02G0107000	CUFF.4204	OS02T01070(x		TSS3659	0.15445
chr2	TCONS_00043580	XLOC_034508	485683	486088	-	1	NA	CUFF.5391	NA	u	TSS3660	4.74E-06
chr2	TCONS_00043583	XLOC_034573	908402	908774	-	1	SPP1	CUFF.5432	OS02T01174(x		TSS3667	2.956E-40
chr2	TCONS_00043584	XLOC_034582	968461	968667	-	1	NA	CUFF.5433	NA	u	TSS3668	0
chr2	TCONS_00043585	XLOC_034583	970929	971253	-	1	NA	CUFF.5430	NA	u	TSS3668	4.096E-11
chr2	TCONS_00038258	XLOC_034584	972767	972981	-	1	NA	CUFF.4230	NA	u	TSS3668	2.756E-62
chr2	TCONS_00043588	XLOC_034594	992861	993109	-	1	OS02G0118850	CUFF.5447	OS02T01188(i		TSS3669	2.332E-59
chr2	TCONS_00043592	XLOC_034604	1032372	1032577	-	1	NA	CUFF.5442	NA	u	TSS3670	2.981E-58
chr2	TCONS_00038273	XLOC_034605	1032801	1033008	-	1	NA	CUFF.4234	NA	u	TSS3670	7.896E-81
chr2	TCONS_00038298	XLOC_034630	1138990	1139264	-	1	OS02G0121600	CUFF.4248	OS02T01216(x		TSS3673	8.209E-69
chr2	TCONS_00043596	XLOC_034630	1139055	1139344	-	1	OS02G0121600	CUFF.5455	OS02T01216(x		TSS3673	4.051E-56
chr2	TCONS_00043600	XLOC_034649	1220491	1221245	-	1	NA	CUFF.5457	NA	u	TSS3675	1.428E-18
chr2	TCONS_00043603	XLOC_034665	1277406	1277865	-	1	NCRNA_37244	CUFF.5462	NCRNA_372(x		TSS3677	2.128E-08
chr2	TCONS_00043604	XLOC_034666	1278531	1278736	-	1	NA	CUFF.5458	NA	u	TSS3677	5.592E-20
chr2	TCONS_00038334	XLOC_034668	1279653	1280035	-	1	NA	CUFF.4258	NA	u	TSS3677	0
chr2	TCONS_00043607	XLOC_034669	1282577	1282830	-	1	NA	CUFF.5459	NA	u	TSS3677	3.839E-19
chr2	TCONS_00043608	XLOC_034674	1318561	1318906	-	1	OS02G0125200	CUFF.5468	OS02T01252(x		TSS3678	2.416E-24
chr2	TCONS_00043609	XLOC_034676	1327605	1327880	-	1	BII	CUFF.5482	OS02T01253(x		TSS3678	2.236E-39

chr2	TCONS_00038342	XLOC_034677	1328492	1328995	-	1	BI1	CUFF.4269 OS02T01253(x	TSS3678	1.168E-41
chr2	TCONS_00043622	XLOC_034755	1875461	1875661	-	1	NA	CUFF.5501 NA u	TSS3687	1.549E-20
chr2	TCONS_00038436	XLOC_034767	1971070	1971392	-	1	OS02G0137100	CUFF.4297 OS02T01371(x	TSS3688	1.496E-88
chr2	TCONS_00043631	XLOC_034774	1989116	1989667	-	1	NA	CUFF.5516 NA u	TSS3689	1.931E-06
chr2	TCONS_00043632	XLOC_034774	1989945	1990712	-	1	NA	CUFF.5517 NA u	TSS3689	0.2531
chr2	TCONS_00043633	XLOC_034775	1991337	1991635	-	1	NA	CUFF.5515 NA u	TSS3689	9.541E-18
chr2	TCONS_00043640	XLOC_034837	2552051	2552253	-	1	OS02G0146500	CUFF.5605 OS02T01465(i	TSS3696	6.268E-22
chr2	TCONS_00043643	XLOC_034853	2651103	2651722	-	1	NA	CUFF.5542 NA u	TSS3697	7.874E-35
chr2	TCONS_00043646	XLOC_034856	2655786	2656593	-	1	NA	CUFF.5545 NA u	TSS3698	8.982E-05
chr2	TCONS_00038528	XLOC_034858	2665016	2665228	-	1	OS02G0148500	CUFF.4321 OS02T01485(x	TSS3698	1.741E-80
chr2	TCONS_00038541	XLOC_034871	2744908	2745160	-	1	OS02G0149800	CUFF.4331 OS02T01498(i	TSS3700	9.351E-45
chr2	TCONS_00043649	XLOC_034871	2744584	2745056	-	1	OS02G0149800	CUFF.5559 OS02T01498(i	TSS3700	7.002E-26
chr2	TCONS_00038549	XLOC_034879	2785983	2786202	-	1	NA	CUFF.4324 NA u	TSS3701	5.848E-46
chr2	TCONS_00038550	XLOC_034880	2786401	2786662	-	1	NA	CUFF.4325 NA u	TSS3701	1.155E-86
chr2	TCONS_00038558	XLOC_034887	2812800	2813130	-	1	NA	CUFF.4327 NA u	TSS3702	1.625E-81
chr2	TCONS_00043653	XLOC_034893	2842744	2842972	-	1	NA	CUFF.5564 NA u	TSS3702	4.293E-21
chr2	TCONS_00043662	XLOC_034975	3309376	3309754	-	1	NA	CUFF.5592 NA u	TSS3711	0.04715
chr2	TCONS_00043666	XLOC_034980	3313472	3314036	-	1	NA	CUFF.5595 NA u	TSS3712	3.868E-30
chr2	TCONS_00043672	XLOC_035000	3472484	3472720	-	1	NA	CUFF.5632 NA u	TSS3714	2.216E-26
chr2	TCONS_00043674	XLOC_035006	3504868	3505364	-	1	OS02G0165100	CUFF.5651 OS02T01651(i	TSS3714	0.0003675
chr2	TCONS_00038672	XLOC_035007	3505423	3505660	-	1	OS02G0165100	CUFF.4395 OS02T01651(i	TSS3715	8.259E-31
chr2	TCONS_00038675	XLOC_035012	3549470	3549715	-	1	NA	CUFF.4385 NA u	TSS3715	5.848E-09
chr2	TCONS_00043678	XLOC_035015	3582292	3582492	-	1	NA	CUFF.5641 NA u	TSS3715	3.796E-39
chr2	TCONS_00043679	XLOC_035018	3613275	3613704	-	1	OS02G0167100	CUFF.5653 OS02T01671(x	TSS3716	3.295E-55
chr2	TCONS_00043680	XLOC_035036	3715670	3716107	-	1	HEMC	CUFF.5656 OS02T01688(i	TSS3718	1.549E-20
chr2	TCONS_00043681	XLOC_035041	3727993	3728544	-	1	OS02G0169300	CUFF.5683 OS02T01693(x	TSS3718	0
chr2	TCONS_00043690	XLOC_035127	4281446	4281709	-	1	4CL3	CUFF.5740 OS02T01776(x	TSS3727	4.629E-64
chr2	TCONS_00038790	XLOC_035129	4284536	4284850	-	1	4CL3	CUFF.4505 OS02T01776(x	TSS3728	5.281E-64
chr2	TCONS_00043691	XLOC_035135	4302850	4303216	-	1	NA	CUFF.5687 NA u	TSS3728	6.821E-10
chr2	TCONS_00038815	XLOC_035154	4408375	4408622	-	1	OS02G0179300	CUFF.4429 OS02T01793(i	TSS3730	6.723E-15
chr2	TCONS_00043696	XLOC_035166	4463473	4463685	-	1	OS02G0180200	CUFF.5698 OS02T01802(x	TSS3731	2.056E-18
chr2	TCONS_00038829	XLOC_035171	4498817	4499021	-	1	OS02G0180700	CUFF.4439 OS02T01807(i	TSS3732	0
chr2	TCONS_00038840	XLOC_035181	4543598	4544005	-	1	NA	CUFF.4435 NA u	TSS3733	1.023E-18
chr2	TCONS_00038855	XLOC_035196	4617746	4617977	-	1	OS02G0182700	CUFF.4444 OS02T01827(i	TSS3734	0
chr2	TCONS_00038856	XLOC_035197	4619968	4620384	-	1	OS02G0182700	CUFF.4446 OS02T01827(i	TSS3735	0

chr2	TCONS_00038876	XLOC_035216	4741144	4741362	-	1	OS02G0184900	CUFF.4467	OS02T01849(x	TSS3737	3.901E-09	
chr2	TCONS_00038885	XLOC_035227	4811155	4811374	-	1	OS02G0186500	CUFF.4460	OS02T01865(i	TSS3738	1.495E-88	
chr2	TCONS_00038887	XLOC_035229	4818117	4818334	-	1	NA	CUFF.4455	NA	u	TSS3738	5.588E-26
chr2	TCONS_00043703	XLOC_035235	4834834	4835205	-	1	NCRNA_49892	CUFF.5733	NCRNA_498(x	TSS3738	2.38E-16	
chr2	TCONS_00043709	XLOC_035278	5062944	5063156	-	1	OS02G0191500	CUFF.5750	OS02T01915(x	TSS3743	4.53E-16	
chr2	TCONS_00038949	XLOC_035293	5133221	5133424	-	1	NA	CUFF.4478	NA	u	TSS3745	0
chr2	TCONS_00038950	XLOC_035294	5136888	5137117	-	1	NA	CUFF.4476	NA	u	TSS3745	1.672E-17
chr2	TCONS_00043710	XLOC_035295	5138032	5138235	-	1	NA	CUFF.5754	NA	u	TSS3745	3.811E-57
chr2	TCONS_00038951	XLOC_035296	5141631	5142669	-	1	NA	CUFF.4481	NA	u	TSS3745	1.677E-85
chr2	TCONS_00038963	XLOC_035309	5218000	5218210	-	1	OS02G0193732	CUFF.4483	OS02T01937(x	TSS3747	4.368E-50	
chr2	TCONS_00043715	XLOC_035315	5252150	5252447	-	1	OS02G0194200	CUFF.5786	OS02T01942(i	TSS3747	5.592E-20	
chr2	TCONS_00038977	XLOC_035323	5315417	5315691	-	1	NA	CUFF.4501	NA	u	TSS3748	3.176E-77
chr2	TCONS_00043718	XLOC_035325	5319313	5319549	-	1	OS02G0194900	CUFF.5781	OS02T01949(i	TSS3748	5.476E-35	
chr2	TCONS_00038979	XLOC_035326	5323712	5323959	-	1	OS02G0194900	CUFF.4506	OS02T01949(x	TSS3748	3.174E-60	
chr2	TCONS_00039041	XLOC_035377	5605759	5605970	-	1	OS02G0200000	CUFF.4519	OS02T02000(i	TSS3754	1.658E-58	
chr2	TCONS_00039061	XLOC_035394	5707743	5708006	-	1	SPX2	CUFF.4525	OS02T02022(x	TSS3756	0	
chr2	TCONS_00043724	XLOC_035408	5778682	5778882	-	1	NA	CUFF.5814	NA	u	TSS3757	3.258E-32
chr2	TCONS_00039089	XLOC_035424	5832488	5832738	-	1	OS02G0204300	CUFF.4535	OS02T02043(x	TSS3759	4.565E-65	
chr2	TCONS_00043734	XLOC_035459	6083649	6084170	-	1	OS02G0208600	CUFF.5847	OS02T02086(i	TSS3763	3.802E-12	
chr2	TCONS_00043737	XLOC_035478	6207882	6208134	-	1	OS02G0211150	CUFF.5860	OS02T02111(i	TSS3765	3.811E-57	
chr2	TCONS_00039145	XLOC_035481	6224972	6225193	-	1	OS02G0211350	CUFF.4555	OS02T02113(x	TSS3765	2.144E-28	
chr2	TCONS_00039158	XLOC_035496	6297866	6298076	-	1	NA	CUFF.4553	NA	u	TSS3767	0
chr2	TCONS_00039159	XLOC_035497	6298412	6298641	-	1	NA	CUFF.4551	NA	u	TSS3767	1.561E-32
chr2	TCONS_00043741	XLOC_035498	6301778	6301984	-	1	NA	CUFF.5850	NA	u	TSS3767	4.791E-33
chr2	TCONS_00043750	XLOC_035534	6487996	6488284	-	1	NA	CUFF.5871	NA	u	TSS3771	2.638E-18
chr2	TCONS_00043752	XLOC_035547	6543428	6543645	-	1	NA	CUFF.5882	NA	u	TSS3772	8.626E-16
chr2	TCONS_00039219	XLOC_035559	6590294	6590495	-	1	NA	CUFF.4572	NA	u	TSS3773	0
chr2	TCONS_00039247	XLOC_035585	6792726	6792960	-	1	OS02G0221600	CUFF.4581	OS02T02216(x	TSS3776	3.765E-36	
chr2	TCONS_00043756	XLOC_035606	6981164	6981393	-	1	NA	CUFF.5904	NA	u	TSS3778	1.748E-37
chr2	TCONS_00039268	XLOC_035607	6981988	6982206	-	1	NA	CUFF.4585	NA	u	TSS3778	2.98E-24
chr2	TCONS_00039269	XLOC_035609	6982552	6983584	-	1	OS02G0224300	CUFF.4594	OS02T02243(x	TSS3779	1.059E-11	
chr2	TCONS_00039270	XLOC_035610	6987490	6987730	-	1	OS02G0224400	CUFF.4589	OS02T02244(x	TSS3779	2.144E-28	
chr2	TCONS_00043762	XLOC_035629	7121898	7122104	-	1	NA	CUFF.5914	NA	u	TSS3781	1.037E-34
chr2	TCONS_00043765	XLOC_035677	7502752	7503109	-	1	OS02G0232500	CUFF.5944	OS02T02325(i	TSS3786	7.393E-44	
chr2	TCONS_00043766	XLOC_035692	7598027	7598346	-	1	OS02G0234200	CUFF.5948	OS02T02342(i	TSS3787	6.268E-37	

chr2	TCONS_00043767	XLOC_035693	7612587	7612853	-	1	NA	CUFF.5938 NA	u	TSS3788	1.326E-28
chr2	TCONS_00039353	XLOC_035694	7615622	7615834	-	1	NA	CUFF.4613 NA	u	TSS3788	0
chr2	TCONS_00039414	XLOC_035757	8311938	8312167	-	1	NCRNA_5113	CUFF.4630 NCRNA_5113	x	TSS3794	3.19E-28
chr2	TCONS_00039416	XLOC_035761	8314638	8314839	-	1	NA	CUFF.4631 NA	u	TSS3795	0
chr2	TCONS_00043782	XLOC_035779	8424338	8424557	-	1	NA	CUFF.5979 NA	u	TSS3797	5.979E-50
chr2	TCONS_00043784	XLOC_035788	8502585	8502887	-	1	OS02G0250400	CUFF.5988 OS02T0250400	x	TSS3798	1.573E-12
chr2	TCONS_00039441	XLOC_035789	8504995	8505209	-	1	NA	CUFF.4650 NA	u	TSS3798	3.162E-49
chr2	TCONS_00043785	XLOC_035792	8522070	8522292	-	1	OS02G0250700	CUFF.5996 OS02T0250700	i	TSS3798	0.005791
chr2	TCONS_00043786	XLOC_035794	8524924	8525415	-	1	OS02G0250700	CUFF.6000 OS02T0250700	i	TSS3798	8.061E-36
chr2	TCONS_00043791	XLOC_035857	9100643	9101014	-	1	NA	CUFF.6020 NA	u	TSS3805	2.303E-41
chr2	TCONS_00043793	XLOC_035859	9103069	9103342	-	1	NA	CUFF.6018 NA	u	TSS3805	4.824E-23
chr2	TCONS_00043794	XLOC_035860	9104013	9104316	-	1	NA	CUFF.6021 NA	u	TSS3805	4.2E-31
chr2	TCONS_00039509	XLOC_035864	9116636	9116864	-	1	UBC5B	CUFF.4678 OS02T0261100	x	TSS3806	0.075834
chr2	TCONS_00039514	XLOC_035868	9138926	9139178	-	1	NA	CUFF.4669 NA	u	TSS3806	0.075834
chr2	TCONS_00039540	XLOC_035891	9448770	9449031	-	1	OS02G0265200	CUFF.4682 OS02T0265200	x	TSS3808	1.469E-71
chr2	TCONS_00039543	XLOC_035895	9488007	9488219	-	1	OS02G0265700	CUFF.4690 OS02T0265700	i	TSS3809	9.642E-50
chr2	TCONS_00043800	XLOC_035901	9540751	9541047	-	1	OS02G0266900	CUFF.6050 OS02T0266900	x	TSS3809	8.25E-41
chr2	TCONS_00043802	XLOC_035956	10052553	10053002	-	1	NCRNA_39443	CUFF.6068 NCRNA_39443	x	TSS3815	2.999E-31
chr2	TCONS_00039608	XLOC_035960	10085120	10085358	-	1	OS02G0275100	CUFF.4713 OS02T0275100	i	TSS3816	7.74E-10
chr2	TCONS_00043806	XLOC_035998	10371717	10372175	-	1	OS02G0280400	CUFF.6116 OS02T0280400	i	TSS3820	4.812E-09
chr2	TCONS_00039655	XLOC_036009	10490737	10491347	-	1	NA	CUFF.4719 NA	u	TSS3821	6.885E-83
chr2	TCONS_00039662	XLOC_036017	10533740	10533950	-	1	NA	CUFF.4722 NA	u	TSS3821	0
chr2	TCONS_00039685	XLOC_036041	10746139	10746367	-	1	OS02G0285800	CUFF.4732 OS02T0285800	i	TSS3824	8.942E-30
chr2	TCONS_00039772	XLOC_036124	11400026	11400237	-	1	OS02G0297600	CUFF.4760 OS02T0297600	i	TSS3832	0
chr2	TCONS_00039799	XLOC_036151	11669244	11669525	-	1	NA	CUFF.4758 NA	u	TSS3835	1.086E-81
chr2	TCONS_00043813	XLOC_036152	11669803	11670121	-	1	NA	CUFF.6125 NA	u	TSS3835	9.497E-47
chr2	TCONS_00039800	XLOC_036153	11670224	11670532	-	1	OS02G0301500	CUFF.4762 OS02T0301500	x	TSS3835	1.463E-23
chr2	TCONS_00039876	XLOC_036229	12372552	12372779	-	1	OS02G0313400	CUFF.4777 OS02T0313400	i	TSS3843	7.436E-14
chr2	TCONS_00039877	XLOC_036230	12375243	12375450	-	1	NA	CUFF.4775 NA	u	TSS3843	6.622E-39
chr2	TCONS_00043818	XLOC_036234	12382987	12383382	-	1	OS02G0313500	CUFF.6167 OS02T0313500	x	TSS3843	4.2E-31
chr2	TCONS_00039890	XLOC_036245	12433596	12433868	-	1	CAX1C	CUFF.4788 OS02T0314300	i	TSS3845	5.147E-27
chr2	TCONS_00039913	XLOC_036264	12622637	12623104	-	1	OS02G0317700	CUFF.4794 OS02T0317700	x	TSS3847	4.216E-22
chr2	TCONS_00043821	XLOC_036265	12623633	12623880	-	1	OS02G0317700	CUFF.6176 OS02T0317700	x	TSS3847	7.959E-31
chr2	TCONS_00043823	XLOC_036266	12625658	12626054	-	1	NA	CUFF.6164 NA	u	TSS3847	1.19E-21
chr2	TCONS_00043824	XLOC_036270	12646160	12646195	-	1	OS02G0318100	CUFF.6216 OS02T0318100	x	TSS3848	0

chr2	TCONS_00043825	XLOC_036270	12646249	12647011	-	1	OS02G0318100	CUFF.6216 OS02T03181(x	TSS3848	0
chr2	TCONS_00043826	XLOC_036271	12647630	12647976	-	1	NA	CUFF.6225 NA	u	TSS3848 0
chr2	TCONS_00043829	XLOC_036302	12991444	12991652	-	1	NA	CUFF.6187 NA	u	TSS3851 1.033E-24
chr2	TCONS_00039953	XLOC_036305	13040343	13040705	-	1	NA	CUFF.4802 NA	u	TSS3851 1.25E-62
chr2	TCONS_00039963	XLOC_036317	13145216	13145437	-	1	NA	CUFF.4806 NA	u	TSS3852 0.0077427
chr2	TCONS_00039965	XLOC_036319	13152271	13152505	-	1	NA	CUFF.4807 NA	u	TSS3853 3.336E-14
chr2	TCONS_00039968	XLOC_036322	13174604	13174874	-	1	OS02G0327000	CUFF.6209 OS02T03270(i	TSS3853	5.829E-40
chr2	TCONS_00043832	XLOC_036323	13174988	13175274	-	1	OS02G0327000	CUFF.6212 OS02T03270(i	TSS3853	2.671E-36
chr2	TCONS_00043833	XLOC_036327	13201841	13202360	-	1	OS02G0327500	CUFF.6197 OS02T03275(i	TSS3853	6.428E-42
chr2	TCONS_00043836	XLOC_036342	13311392	13311725	-	1	NA	CUFF.6202 NA	u	TSS3855 1.283E-05
chr2	TCONS_00039992	XLOC_036348	13370462	13370708	-	1	NA	CUFF.4822 NA	u	TSS3856 5.524E-13
chr2	TCONS_00043841	XLOC_036375	13609586	13609951	-	1	NA	CUFF.6221 NA	u	TSS3859 1.335E-33
chr2	TCONS_00043843	XLOC_036377	13613152	13613772	-	1	NA	CUFF.6220 NA	u	TSS3859 5.443E-25
chr2	TCONS_00043844	XLOC_036378	13613908	13614280	-	1	NA	CUFF.6218 NA	u	TSS3859 6.232E-55
chr2	TCONS_00043845	XLOC_036379	13656740	13657341	-	1	NA	CUFF.6246 NA	u	TSS3859 6.174E-32
chr2	TCONS_00043853	XLOC_036523	15511226	15511525	-	1	OS02G0462500	CUFF.6307 OS02T04625(i	TSS3874	4.293E-21
chr2	TCONS_00040164	XLOC_036524	15512578	15512787	-	1	NA	CUFF.4856 NA	u	TSS3874 0
chr2	TCONS_00043854	XLOC_036525	15526926	15527129	-	1	OS02G0462900	CUFF.6305 OS02T04629(i	TSS3874	1.399E-43
chr2	TCONS_00043859	XLOC_036555	15772710	15773067	-	1	OS02G0468400	CUFF.6326 OS02T04684(x	TSS3878	4.257E-36
chr2	TCONS_00043861	XLOC_036562	15845850	15846228	-	1	OS02G0469200	CUFF.6352 OS02T04692(i	TSS3878	4.766E-28
chr2	TCONS_00043863	XLOC_036587	16147302	16147665	-	1	NA	CUFF.6356 NA	u	TSS3881 1.063E-19
chr2	TCONS_00040229	XLOC_036590	16167706	16167942	-	1	NA	CUFF.4892 NA	u	TSS3881 0
chr2	TCONS_00040248	XLOC_036609	16260119	16260384	-	1	OS02G0475300	CUFF.4908 OS02T04753(i	TSS3883	6.096E-16
chr2	TCONS_00043866	XLOC_036626	16441144	16441346	-	1	OS02G0478600	CUFF.6372 OS02T04786(i	TSS3885	1.069E-70
chr2	TCONS_00043867	XLOC_036628	16442310	16442547	-	1	OS02G0478600	CUFF.6371 OS02T04786(x	TSS3885	0.48773
chr2	TCONS_00043873	XLOC_036721	17279313	17279514	-	1	OS02G0493650	CUFF.6396 OS02T04936(x	TSS3895	7.187E-39
chr2	TCONS_00043881	XLOC_036753	17577913	17578134	-	1	OS02G0499000	CUFF.6406 OS02T04990(i	TSS3898	1.393E-43
chr2	TCONS_00043883	XLOC_036774	17847156	17847476	-	1	OS02G0503400	CUFF.6418 OS02T05034(i	TSS3900	8.061E-36
chr2	TCONS_00040424	XLOC_036787	17999299	17999585	-	1	NA	CUFF.4939 NA	u	TSS3902 3.698E-13
chr2	TCONS_00040428	XLOC_036791	18043842	18044262	-	1	OS02G0506500	CUFF.4962 OS02T05065(i	TSS3902	9.689E-15
chr2	TCONS_00040446	XLOC_036808	18238094	18238294	-	1	OS02G0510200	CUFF.4953 OS02T05102(x	TSS3904	0
chr2	TCONS_00043887	XLOC_036823	18447183	18447521	-	1	OS02G0513000	CUFF.6433 OS02T05130(x	TSS3905	7.638E-07
chr2	TCONS_00043888	XLOC_036851	18708307	18708594	-	1	OS02G0517300	CUFF.6451 OS02T05173(i	TSS3908	8.155E-21
chr2	TCONS_00043891	XLOC_036871	18903978	18904181	-	1	NA	CUFF.6445 NA	u	TSS3911 1.326E-28
chr2	TCONS_00040516	XLOC_036875	18917191	18917432	-	1	OS02G0519900	CUFF.5009 OS02T05199(i	TSS3911	2.524E-26

chr2	TCONS_00040536	XLOC_036895	19055182	19055382	-	1	NA	CUFF.4982 NA	u	TSS3913	8.074E-47
chr2	TCONS_00043898	XLOC_036918	19251417	19251669	-	1	NA	CUFF.6453 NA	u	TSS3916	6.269E-37
chr2	TCONS_00043899	XLOC_036920	19262981	19263182	-	1	NA	CUFF.6454 NA	u	TSS3916	2.943E-20
chr2	TCONS_00043900	XLOC_036929	19343791	19344030	-	1	OS02G0527900	CUFF.6459 OS02T05279(x		TSS3917	2.165E-14
chr2	TCONS_00043905	XLOC_036977	19683100	19683556	-	1	OS02G0534400	CUFF.6499 OS02T05344(x		TSS3922	0.15545
chr2	TCONS_00040657	XLOC_037013	19974611	19974907	-	1	OS02G0539100	CUFF.5021 OS02T05391(i		TSS3926	7.884E-22
chr2	TCONS_00043909	XLOC_037019	20011207	20011498	-	1	NA	CUFF.6506 NA	u	TSS3926	2.869E-25
chr2	TCONS_00040697	XLOC_037054	20373029	20373279	-	1	NA	CUFF.5027 NA	u	TSS3930	4.746E-28
chr2	TCONS_00040698	XLOC_037055	20373341	20373542	-	1	NA	CUFF.5032 NA	u	TSS3930	0
chr2	TCONS_00043917	XLOC_037060	20379720	20380109	-	1	NA	CUFF.6527 NA	u	TSS3931	3.721E-34
chr2	TCONS_00040712	XLOC_037078	20454036	20454290	-	1	NA	CUFF.5037 NA	u	TSS3933	0.012046
chr2	TCONS_00043928	XLOC_037094	20657055	20657643	-	1	OS02G0549700	CUFF.6558 OS02T05497(i		TSS3934	6.174E-32
chr2	TCONS_00043932	XLOC_037124	20899108	20899784	-	1	OS02G0553802	CUFF.6561 OS02T05538(x		TSS3937	0.43802
chr2	TCONS_00043935	XLOC_037143	21024165	21024399	-	1	NCRNA_4923	CUFF.6560 NCRNA_492:x		TSS3939	1.701E-48
chr2	TCONS_00040784	XLOC_037154	21083797	21084007	-	1	OS02G0557100	CUFF.5072 OS02T05571(i		TSS3940	2.128E-49
chr2	TCONS_00040876	XLOC_037241	21665016	21665320	-	1	NA	CUFF.5085 NA	u	TSS3950	4.884E-80
chr2	TCONS_00040932	XLOC_037296	22082814	22083049	-	1	OS02G0575500	CUFF.5106 OS02T05755(x		TSS3955	7.659E-27
chr2	TCONS_00043942	XLOC_037300	22096572	22097221	-	1	OS02G0575700	CUFF.6610 OS02T05757(i		TSS3956	4.812E-09
chr2	TCONS_00040953	XLOC_037320	22233237	22233472	-	1	OS02G0578366	CUFF.5109 OS02T05783(x		TSS3958	0
chr2	TCONS_00043944	XLOC_037324	22297325	22297777	-	1	OS02G0579600	CUFF.6623 OS02T05796(i		TSS3958	1.066E-17
chr2	TCONS_00043945	XLOC_037325	22298208	22299129	-	1	OS02G0579600	CUFF.6627 OS02T05796(i		TSS3958	2.943E-20
chr2	TCONS_00043947	XLOC_037327	22300583	22301216	-	1	OS02G0579600	CUFF.6619 OS02T05796(x		TSS3958	1.444E-14
chr2	TCONS_00041021	XLOC_037384	22620260	22620468	-	1	NA	CUFF.5131 NA	u	TSS3965	5.848E-46
chr2	TCONS_00041022	XLOC_037385	22636905	22637155	-	1	OS02G0587300	CUFF.5133 OS02T05873(x		TSS3965	0.075834
chr2	TCONS_00043952	XLOC_037412	22892531	22892739	-	1	OS02G0591900	CUFF.6645 OS02T05919(i		TSS3968	1.033E-24
chr2	TCONS_00041054	XLOC_037414	22898267	22898968	-	1	NCRNA_1202	CUFF.5211 NCRNA_120:x		TSS3968	0
chr2	TCONS_00041058	XLOC_037418	22928565	22928819	-	1	OS02G0592400	CUFF.5145 OS02T05924(i		TSS3968	7.373E-82
chr2	TCONS_00043953	XLOC_037419	22929197	22929696	-	1	OS02G0592400	CUFF.6651 OS02T05924(i		TSS3968	0.75013
chr2	TCONS_00041107	XLOC_037461	23217125	23217390	-	1	OS02G0597300	CUFF.5162 OS02T05973(i		TSS3973	2.735E-51
chr2	TCONS_00041116	XLOC_037471	23268259	23268581	-	1	OS02G0598300	CUFF.5169 OS02T05983(i		TSS3974	1.348E-48
chr2	TCONS_00043963	XLOC_037489	23480716	23481060	-	1	OS02G0600400	CUFF.6681 OS02T06004(i		TSS3976	1.326E-28
chr2	TCONS_00041143	XLOC_037499	23531182	23531412	-	1	NA	CUFF.5178 NA	u	TSS3977	0
chr2	TCONS_00043965	XLOC_037507	23566660	23567029	-	1	NA	CUFF.6687 NA	u	TSS3978	1.326E-28
chr2	TCONS_00041154	XLOC_037508	23567555	23567798	-	1	NA	CUFF.5181 NA	u	TSS3978	0
chr2	TCONS_00043967	XLOC_037508	23567675	23568256	-	1	NA	CUFF.6688 NA	u	TSS3978	0

chr2	TCONS_00043969	XLOC_037513	23590097	23590382	-	1	NA	CUFF.6690	NA	u	TSS3979	1.991E-12
chr2	TCONS_00043973	XLOC_037523	23643762	23644252	-	1	OS02G0603600	CUFF.6696	OS02T06036(i		TSS3980	0.051036
chr2	TCONS_00043974	XLOC_037524	23646186	23646661	-	1	OS02G0603600	CUFF.6705	OS02T06036(i		TSS3980	3.129E-15
chr2	TCONS_00043975	XLOC_037525	23648347	23648573	-	1	OS02G0603600	CUFF.6711	OS02T06036(i		TSS3980	6.604E-06
chr2	TCONS_00043981	XLOC_037565	23904665	23904908	-	1	OS02G0609200	CUFF.6718	OS02T06092(x		TSS3985	6.269E-37
chr2	TCONS_00043983	XLOC_037578	24045553	24045871	-	1	OS02G0611200	CUFF.6734	OS02T06112(i		TSS3986	5.592E-20
chr2	TCONS_00043984	XLOC_037584	24082034	24082670	-	1	OS02G0611800	CUFF.6740	OS02T06118(i		TSS3987	0.010754
chr2	TCONS_00041229	XLOC_037585	24082774	24083489	-	1	OS02G0611800	CUFF.5208	OS02T06118(x		TSS3987	5.382E-51
chr2	TCONS_00041247	XLOC_037600	24239726	24239943	-	1	OS02G0614100	CUFF.5213	OS02T06141(x		TSS3988	0
chr2	TCONS_00043987	XLOC_037625	24564559	24564869	-	1	OS02G0618000	CUFF.6765	OS02T06180(x		TSS3991	3.019E-54
chr2	TCONS_00041286	XLOC_037637	24685969	24686208	-	1	NA	CUFF.5226	NA	u	TSS3992	2.511E-31
chr2	TCONS_00043993	XLOC_037665	24900138	24900543	-	1	OS02G0624400	CUFF.6776	OS02T06244(x		TSS3995	3.129E-15
chr2	TCONS_00043994	XLOC_037676	24996134	24996642	-	1	NA	CUFF.6779	NA	u	TSS3997	8.436E-05
chr2	TCONS_00043998	XLOC_037696	25164883	25165145	-	1	PIP2-2	CUFF.6794	OS02T06292(x		TSS3999	1.917E-65
chr2	TCONS_00044002	XLOC_037736	25402897	25403326	-	1	OS02G0633300	CUFF.6797	OS02T06333(x		TSS4003	5.453E-23
chr2	TCONS_00041396	XLOC_037741	25435567	25435786	-	1	OS02G0634600	CUFF.5254	OS02T06346(x		TSS4004	1.696E-26
chr2	TCONS_00044003	XLOC_037750	25494436	25494636	-	1	NA	CUFF.6800	NA	u	TSS4005	8.25E-41
chr2	TCONS_00041427	XLOC_037773	25630692	25630920	-	1	OS02G0639000	CUFF.5266	OS02T06390(i		TSS4007	1.062E-37
chr2	TCONS_00041459	XLOC_037801	25880055	25880284	-	1	NA	CUFF.5265	NA	u	TSS4010	7.707E-37
chr2	TCONS_00044007	XLOC_037817	25998710	25998921	-	1	OS02G0645600	CUFF.6816	OS02T06456(x		TSS4012	2.02E-19
chr2	TCONS_00044008	XLOC_037819	26031894	26032258	-	1	GRXS6	CUFF.6817	OS02T06464(i		TSS4012	3.405E-06
chr2	TCONS_00041517	XLOC_037853	26366096	26366320	-	1	OS02G0653800	CUFF.5283	OS02T06538(i		TSS4016	2.74E-16
chr2	TCONS_00041519	XLOC_037855	26368565	26368807	-	1	OS02G0653800	CUFF.5284	OS02T06538(x		TSS4016	0.075834
chr2	TCONS_00044010	XLOC_037856	26369084	26369305	-	1	OS02G0653800	CUFF.6833	OS02T06538(x		TSS4016	1.947E-29
chr2	TCONS_00041522	XLOC_037858	26387328	26387548	-	1	OS02G0654100	CUFF.5277	OS02T06541(i		TSS4016	4.746E-33
chr2	TCONS_00044015	XLOC_037876	26520954	26521407	-	1	OS02G0656500	CUFF.6855	OS02T06565(i		TSS4018	5.443E-25
chr2	TCONS_00044019	XLOC_037927	26947721	26948047	-	1	NA	CUFF.6860	NA	u	TSS4023	2.02E-19
chr2	TCONS_00044022	XLOC_037948	27046648	27046990	-	1	PIP1-1	CUFF.6895	OS02T06662(i		TSS4025	1.02E-52
chr2	TCONS_00044026	XLOC_037962	27110787	27110999	-	1	NA	CUFF.6878	NA	u	TSS4027	2.02E-19
chr2	TCONS_00041655	XLOC_037988	27319675	27319915	-	1	OS02G0672100	CUFF.5328	OS02T06721(i		TSS4030	4.21E-20
chr2	TCONS_00041664	XLOC_037997	27418433	27418674	-	1	OS02G0673500	CUFF.5329	OS02T06735(x		TSS4031	1.463E-23
chr2	TCONS_00044034	XLOC_038008	27550522	27550729	-	1	OS02G0675800	CUFF.6912	OS02T06758(i		TSS4032	2.26E-21
chr2	TCONS_00044035	XLOC_038009	27559735	27559952	-	1	OS02G0676000	CUFF.6916	OS02T06760(i		TSS4033	2.345E-72
chr2	TCONS_00041676	XLOC_038010	27562214	27562569	-	1	OS02G0676000	CUFF.5331	OS02T06760(i		TSS4033	9.842E-22
chr2	TCONS_00044038	XLOC_038019	27663270	27663474	-	1	OS02G0677700	CUFF.6927	OS02T06777(x		TSS4034	2.529E-33

chr2	TCONS_00044040	XLOC_038028	27771251	27771452	-	1	OS02G0680500	CUFF.6926	OS02T06805(i	TSS4034	1.562E-40
chr2	TCONS_00041698	XLOC_038036	27839356	27839605	-	1	NA	CUFF.5341	NA u	TSS4035	3.386E-18
chr2	TCONS_00041711	XLOC_038050	27966213	27966428	-	1	OS02G0684000	CUFF.5346	OS02T06840(x	TSS4037	1.04E-59
chr2	TCONS_00041728	XLOC_038068	28092777	28092979	-	1	NA	CUFF.5353	NA u	TSS4039	0
chr2	TCONS_00041750	XLOC_038091	28247344	28247560	-	1	OS02G0688800	CUFF.5361	OS02T06888(x	TSS4041	0
chr2	TCONS_00044046	XLOC_038102	28334349	28334607	-	1	OS02G0690200	CUFF.6954	OS02T06902(i	TSS4042	3.907E-44
chr2	TCONS_00041765	XLOC_038106	28356138	28356364	-	1	OS02G0690700	CUFF.5373	OS02T06907(i	TSS4043	4.042E-30
chr2	TCONS_00044052	XLOC_038139	28638499	28638801	-	1	NA	CUFF.6969	NA u	TSS4046	1.063E-19
chr2	TCONS_00041802	XLOC_038145	28673028	28673252	-	1	OS02G0697300	CUFF.5391	OS02T06973(x	TSS4047	0
chr2	TCONS_00041813	XLOC_038157	28717438	28717800	-	1	NA	CUFF.5393	NA u	TSS4048	0.12416
chr2	TCONS_00041814	XLOC_038158	28717876	28718190	-	1	NA	CUFF.5394	NA u	TSS4048	1.202E-07
chr2	TCONS_00041815	XLOC_038159	28718331	28719263	-	1	NA	CUFF.5395	NA u	TSS4048	0
chr2	TCONS_00041816	XLOC_038160	28721129	28721986	-	1	NCRNA_3847	CUFF.5468	NCRNA_384' x	TSS4049	0
chr2	TCONS_00044061	XLOC_038163	28750408	28750821	-	1	OS02G0699000	CUFF.6995	OS02T06990(i	TSS4049	1.296E-49
chr2	TCONS_00044062	XLOC_038166	28757436	28757874	-	1	OS02G0699300	CUFF.6988	OS02T06993(x	TSS4049	4.293E-21
chr2	TCONS_00044063	XLOC_038167	28761135	28761473	-	1	NA	CUFF.6981	NA u	TSS4049	0.002878
chr2	TCONS_00044064	XLOC_038169	28767150	28767550	-	1	OS02G0699400	CUFF.6990	OS02T06994(x	TSS4049	3.301E-22
chr2	TCONS_00041851	XLOC_038198	28972802	28973040	-	1	NA	CUFF.5402	NA u	TSS4053	1.003E-14
chr2	TCONS_00041864	XLOC_038210	29070211	29070492	-	1	OS02G0704500	CUFF.5406	OS02T07045(i	TSS4054	4.188E-73
chr2	TCONS_00041876	XLOC_038222	29115232	29115550	-	1	OS02G0705400	CUFF.5413	OS02T07054(x	TSS4055	0.067073
chr2	TCONS_00041900	XLOC_038245	29302566	29303141	-	1	OS02G0708600	CUFF.7028	OS02T07086(x	TSS4058	0.071396
chr2	TCONS_00044074	XLOC_038251	29342091	29342592	-	1	ADL1	CUFF.7037	OS02T07094(i	TSS4058	5.443E-25
chr2	TCONS_00041916	XLOC_038261	29447828	29448036	-	1	OS02G0710800	CUFF.5425	OS02T07108(x	TSS4059	9.843E-39
chr2	TCONS_00044075	XLOC_038263	29453638	29453865	-	1	OS02G0710900	CUFF.7044	OS02T07109(x	TSS4060	1.326E-28
chr2	TCONS_00044077	XLOC_038281	29594986	29595260	-	1	OS02G0714000	CUFF.7045	OS02T07140(x	TSS4062	9.077E-33
chr2	TCONS_00041975	XLOC_038320	29860330	29860741	-	1	ML2	CUFF.5471	OS02T07198(i	TSS4066	9.128E-40
chr2	TCONS_00044079	XLOC_038321	29861580	29861952	-	1	ML2	CUFF.7059	OS02T07198(i	TSS4066	1.643E-15
chr2	TCONS_00044081	XLOC_038325	29872591	29872906	-	1	NA	CUFF.7050	NA u	TSS4066	1.658E-57
chr2	TCONS_00044082	XLOC_038327	29875213	29875530	-	1	OS02G0720000	CUFF.7052	OS02T07200(x	TSS4066	8.626E-16
chr2	TCONS_00044088	XLOC_038427	30558978	30559182	-	1	OS02G0732900	CUFF.7085	OS02T07329(x	TSS4077	2.638E-18
chr2	TCONS_00044089	XLOC_038429	30561778	30561984	-	1	OS02G0733001	CUFF.7086	OS02T07330(i	TSS4077	2.216E-26
chr2	TCONS_00042097	XLOC_038440	30626040	30626240	-	1	OS02G0734300	CUFF.5493	OS02T07343(x	TSS4078	0.0049983
chr2	TCONS_00044093	XLOC_038445	30659020	30659410	-	1	OS02G0734900	CUFF.7090	OS02T07349(x	TSS4079	1.184E-26
chr2	TCONS_00042165	XLOC_038509	31079064	31079583	-	1	NCRNA_2545	CUFF.7116	NCRNA_254: x	TSS4086	0
chr2	TCONS_00042166	XLOC_038510	31079695	31080823	-	1	OS02G0742100	CUFF.7157	OS02T07421(x	TSS4086	1.834E-27

chr2	TCONS_00042186	XLOC_038529	31211854	31212058	-	1	OS02G0744100	CUFF.5526	OS02T07441(i	TSS4088	1.741E-80
chr2	TCONS_00044109	XLOC_038587	31665836	31666153	-	1	NA	CUFF.7159	NA u	TSS4094	1.326E-28
chr2	TCONS_00042250	XLOC_038596	31721421	31721637	-	1	OS02G0754300	CUFF.5547	OS02T07543(x	TSS4094	1.084E-42
chr2	TCONS_00044111	XLOC_038604	31755320	31755601	-	1	OS02G0754800	CUFF.7164	OS02T07548(i	TSS4095	3.161E-50
chr2	TCONS_00044112	XLOC_038624	31921994	31922224	-	1	HSP24.1	CUFF.7175	OS02T07580(x	TSS4097	1.529E-29
chr2	TCONS_00044115	XLOC_038641	32007701	32008108	-	1	OS02G0760200	CUFF.7191	OS02T07602(x	TSS4099	0
chr2	TCONS_00044118	XLOC_038650	32064924	32065338	-	1	NA	CUFF.7185	NA u	TSS4100	1.25E-16
chr2	TCONS_00044122	XLOC_038666	32165056	32165455	-	1	OS02G0763200	CUFF.7197	OS02T07632(i	TSS4102	4.082E-12
chr2	TCONS_00042384	XLOC_038723	32561240	32561460	-	1	OS02G0771600	CUFF.5595	OS02T07716(i	TSS4108	3.518E-53
chr2	TCONS_00042403	XLOC_038742	32684729	32684939	-	1	OS02G0774100	CUFF.5591	OS02T07741(i	TSS4110	1.14E-26
chr2	TCONS_00044135	XLOC_038780	32953809	32954088	-	1	OS02G0778400	CUFF.7235	OS02T07784(x	TSS4114	1.739E-22
chr2	TCONS_00042457	XLOC_038791	32996898	32997114	-	1	NA	CUFF.5608	NA u	TSS4115	0
chr2	TCONS_00044137	XLOC_038792	32997622	32998032	-	1	NA	CUFF.7237	NA u	TSS4116	2.474E-05
chr2	TCONS_00044138	XLOC_038800	33068048	33068248	-	1	OS02G0780550	CUFF.7240	OS02T07805(i	TSS4116	3.301E-22
chr2	TCONS_00042469	XLOC_038805	33076219	33076425	-	1	OS02G0780600	CUFF.5612	OS02T07806(x	TSS4117	0
chr2	TCONS_00044141	XLOC_038821	33191662	33191864	-	1	NA	CUFF.7245	NA u	TSS4119	1.527E-35
chr2	TCONS_00044142	XLOC_038822	33191928	33192224	-	1	NA	CUFF.7246	NA u	TSS4119	6.859E-10
chr2	TCONS_00042517	XLOC_038848	33382108	33382345	-	1	NA	CUFF.5633	NA u	TSS4122	2.325E-27
chr2	TCONS_00044147	XLOC_038850	33402659	33402874	-	1	OS02G0786400	CUFF.7274	OS02T07864(i	TSS4122	3.301E-22
chr2	TCONS_00044152	XLOC_038891	33709230	33709576	-	1	NA	CUFF.7289	NA u	TSS4126	1.991E-12
chr2	TCONS_00042566	XLOC_038898	33752204	33752420	-	1	NA	CUFF.5648	NA u	TSS4127	0
chr2	TCONS_00042567	XLOC_038899	33752767	33752990	-	1	NA	CUFF.5647	NA u	TSS4127	8.985E-35
chr2	TCONS_00044156	XLOC_038900	33753658	33753940	-	1	NA	CUFF.7293	NA u	TSS4127	1.815E-17
chr2	TCONS_00044159	XLOC_038925	33914366	33914608	-	1	OS02G0796900	CUFF.7305	OS02T07969(x	TSS4130	0
chr2	TCONS_00042599	XLOC_038931	33971124	33971341	-	1	OS02G0798100	CUFF.5670	OS02T07981(x	TSS4131	2.953E-34
chr2	TCONS_00042604	XLOC_038938	33988245	33988458	-	1	NA	CUFF.5667	NA u	TSS4131	1.167E-21
chr2	TCONS_00042634	XLOC_038959	34161830	34162048	-	1	NA	CUFF.5676	NA u	TSS4134	1.332E-50
chr2	TCONS_00044167	XLOC_038970	34223678	34224022	-	1	OS02G0802700	CUFF.7324	OS02T08027(x	TSS4136	0.002878
chr2	TCONS_00042644	XLOC_038971	34224385	34224900	-	1	OS02G0802700	CUFF.5683	OS02T08027(i	TSS4136	2.217E-23
chr2	TCONS_00042645	XLOC_038972	34227839	34228064	-	1	NA	CUFF.5679	NA u	TSS4136	4.042E-30
chr2	TCONS_00042648	XLOC_038975	34245885	34246099	-	1	OS02G0803250	CUFF.5685	OS02T08032(x	TSS4136	6.529E-34
chr2	TCONS_00042677	XLOC_039000	34409700	34410212	-	1	OS02G0806350	CUFF.5695	OS02T08063(i	TSS4139	1.078E-87
chr2	TCONS_00042701	XLOC_039019	34550178	34550397	-	1	OS02G0808300	CUFF.5700	OS02T08083(i	TSS4141	1.392E-19
chr2	TCONS_00044182	XLOC_039058	34820331	34820534	-	1	OS02G0813000	CUFF.7364	OS02T08130(i	TSS4145	6.268E-22
chr2	TCONS_00044184	XLOC_039063	34840819	34841077	-	1	GRC2	CUFF.7387	OS02T08135(i	TSS4146	3.907E-44

chr2	TCONS_00042816	XLOC_039129	35275807	35276222	-	1	OS02G0821900	CUFF.5742	OS02T08219(i	TSS4153	1.2E-46	
chr2	TCONS_00042817	XLOC_039130	35277162	35277396	-	1	OS02G0821900	CUFF.5743	OS02T08219(i	TSS4153	0	
chr2	TCONS_00042823	XLOC_039137	35296868	35297069	-	1	NA	CUFF.5740	NA	u	TSS4154	0
chr2	TCONS_00044199	XLOC_039146	35356812	35357046	-	1	OS02G0823200	CUFF.7407	OS02T08232(x	TSS4155	7.959E-31	
chr2	TCONS_00044200	XLOC_039164	35436853	35437142	-	1	NA	CUFF.7412	NA	u	TSS4157	1.61E-45
chr2	TCONS_00044205	XLOC_039219	35727009	35728131	-	1	NA	CUFF.7430	NA	u	TSS4163	5.936E-05
chr2	TCONS_00042930	XLOC_039234	35795252	35795640	-	1	OS02G0832400	CUFF.5781	OS02T08324(i	TSS4165	1.804E-06	
chr2	TCONS_00044208	XLOC_039239	35802430	35802768	-	1	OS02G0832500	CUFF.7442	OS02T08325(x	TSS4165	3.599E-64	
chr2	TCONS_00044209	XLOC_039240	35809453	35809790	-	1	OS02G0832700	CUFF.7452	OS02T08327(i	TSS4165	7.056E-24	
chr2	TCONS_00044210	XLOC_039257	2558407	2558616	.	1	OS02G0146600	CUFF.5609	OS02T01466(i	TSS4167	9.036E-28	
chr2	TCONS_00042951	XLOC_039260	4283538	4283743	.	1	4CL3	CUFF.4504	OS02T01776(i	TSS4168	1.484E-54	
chr2	TCONS_00044235	XLOC_039285	25896645	25896849	.	1	OS02G0644000	CUFF.6819	OS02T06440(i	TSS4170	1.19E-21	
chr2	TCONS_00042955	XLOC_039288	27023929	27024154	.	1	OS02G0665400	CUFF.5315	OS02T06654(i	TSS4170	2.74E-16	
chr2	TCONS_00042956	XLOC_039289	28017557	28017776	.	1	OS02G0684800	CUFF.5352	OS02T06848(i	TSS4170	4.042E-30	
chr3	TCONS_00044342	XLOC_039391	648313	648552	+	1	OS03G0111200	CUFF.5811	OS03T01112(i	TSS4181	0	
chr3	TCONS_00054395	XLOC_039394	664839	665308	+	1	OS03G0111600	CUFF.7508	OS03T01116(i	TSS4181	3.839E-19	
chr3	TCONS_00054396	XLOC_039409	770623	770824	+	1	OS03G0113700	CUFF.7518	OS03T01137(i	TSS4183	2.943E-20	
chr3	TCONS_00044370	XLOC_039419	837354	837591	+	1	NA	CUFF.5820	NA	u	TSS4184	2.532E-36
chr3	TCONS_00044439	XLOC_039484	1199157	1199691	+	1	NA	CUFF.5851	NA	u	TSS4191	0.0002804
chr3	TCONS_00054406	XLOC_039484	1199082	1199342	+	1	NA	CUFF.7553	NA	u	TSS4191	1.136E-14
chr3	TCONS_00044440	XLOC_039485	1200603	1200814	+	1	NA	CUFF.5853	NA	u	TSS4191	0
chr3	TCONS_00044447	XLOC_039493	1236243	1236563	+	1	OS03G0122300	CUFF.5866	OS03T01223(i	TSS4192	2.569E-63	
chr3	TCONS_00044448	XLOC_039494	1238768	1239173	+	1	OS03G0122300	CUFF.5867	OS03T01223(i	TSS4192	9.216E-31	
chr3	TCONS_00044449	XLOC_039495	1243307	1243773	+	1	OS03G0122300	CUFF.5869	OS03T01223(i	TSS4192	6.84E-39	
chr3	TCONS_00054410	XLOC_039502	1284420	1284683	+	1	MADS50	CUFF.7574	OS03T01226(i	TSS4193	9.036E-28	
chr3	TCONS_00054411	XLOC_039503	1287348	1287572	+	1	MADS50	CUFF.7579	OS03T01226(i	TSS4193	1.508E-30	
chr3	TCONS_00054412	XLOC_039504	1290767	1291145	+	1	MADS50	CUFF.7581	OS03T01226(i	TSS4193	3.022E-26	
chr3	TCONS_00054413	XLOC_039505	1292508	1292807	+	1	MADS50	CUFF.7588	OS03T01226(i	TSS4193	3.301E-22	
chr3	TCONS_00054414	XLOC_039506	1297671	1297988	+	1	MADS50	CUFF.7598	OS03T01226(i	TSS4193	2.576E-38	
chr3	TCONS_00044465	XLOC_039514	1348658	1348890	+	1	OS03G0123600	CUFF.5864	OS03T01236(i	TSS4194	7.057E-33	
chr3	TCONS_00054417	XLOC_039533	1466566	1466767	+	1	OS03G0125700	CUFF.7578	OS03T01257(x	TSS4196	6.994E-29	
chr3	TCONS_00044489	XLOC_039537	1488584	1488828	+	1	OS03G0126000	CUFF.5875	OS03T01260(i	TSS4197	3.091E-19	
chr3	TCONS_00044490	XLOC_039538	1497800	1498014	+	1	NA	CUFF.5868	NA	u	TSS4197	3.764E-36
chr3	TCONS_00054420	XLOC_039544	1518288	1518578	+	1	OS03G0126800	CUFF.7595	OS03T01268(x	TSS4197	1.191E-10	
chr3	TCONS_00054423	XLOC_039559	1588719	1588996	+	1	NA	CUFF.7583	NA	u	TSS4199	1.72E-32

chr3	TCONS_00054424	XLOC_039560	1589085	1589396	+	1	NA	CUFF.7585	NA	u	TSS4199	4.766E-28
chr3	TCONS_00054428	XLOC_039565	1596181	1596480	+	1	OS03G0128200	CUFF.7597	OS03T01282(i		TSS4199	1.131E-49
chr3	TCONS_00054432	XLOC_039574	1653232	1653461	+	1	OS03G0129200	CUFF.7606	OS03T01292(x		TSS4200	3.648E-52
chr3	TCONS_00054433	XLOC_039575	1655659	1655859	+	1	OS03G0129200	CUFF.7610	OS03T01292(i		TSS4200	3.258E-32
chr3	TCONS_00054434	XLOC_039579	1670256	1670886	+	1	OS03G0129800	CUFF.7613	OS03T01298(i		TSS4201	2.38E-16
chr3	TCONS_00054445	XLOC_039634	1971938	1972220	+	1	OS03G0135600	CUFF.7638	OS03T01356(i		TSS4207	2.529E-33
chr3	TCONS_00054446	XLOC_039635	1989413	1989623	+	1	NA	CUFF.7635	NA	u	TSS4207	7.959E-31
chr3	TCONS_00044590	XLOC_039651	2061376	2061598	+	1	OS03G0137300	CUFF.5907	OS03T01373(x		TSS4209	4.193E-20
chr3	TCONS_00054452	XLOC_039742	2618601	2619145	+	1	NA	CUFF.7676	NA	u	TSS4218	9.482E-43
chr3	TCONS_00044686	XLOC_039745	2624405	2624625	+	1	NA	CUFF.5934	NA	u	TSS4219	8.259E-31
chr3	TCONS_00054454	XLOC_039746	2624856	2625153	+	1	NA	CUFF.7677	NA	u	TSS4219	5.592E-20
chr3	TCONS_00054457	XLOC_039749	2654961	2655205	+	1	OS03G0147400	CUFF.7701	OS03T01474(i		TSS4219	5.765E-45
chr3	TCONS_00054459	XLOC_039757	2726442	2726792	+	1	OS03G0149100	CUFF.7685	OS03T01491(x		TSS4220	2.869E-25
chr3	TCONS_00044701	XLOC_039762	2751796	2752022	+	1	OS03G0149300	CUFF.5951	OS03T01493(i		TSS4220	8.32E-36
chr3	TCONS_00044715	XLOC_039779	2865441	2865675	+	1	NA	CUFF.5952	NA	u	TSS4222	2.524E-26
chr3	TCONS_00044716	XLOC_039780	2865766	2865968	+	1	NA	CUFF.5953	NA	u	TSS4222	0
chr3	TCONS_00054464	XLOC_039793	2925390	2925722	+	1	NA	CUFF.7697	NA	u	TSS4224	4.127E-14
chr3	TCONS_00054467	XLOC_039817	3051089	3051328	+	1	OS03G0156700	CUFF.7711	OS03T01567(i		TSS4226	8.948E-25
chr3	TCONS_00044792	XLOC_039857	3274080	3274795	+	1	OS03G0161200	CUFF.5977	OS03T01612(x		TSS4230	6.622E-39
chr3	TCONS_00054476	XLOC_039884	3444570	3444776	+	1	OS03G0163600	CUFF.7724	OS03T01636(x		TSS4233	5.961E-15
chr3	TCONS_00044819	XLOC_039885	3446837	3447047	+	1	NA	CUFF.5971	NA	u	TSS4233	0
chr3	TCONS_00054480	XLOC_039906	3549648	3550439	+	1	NA	CUFF.7735	NA	u	TSS4236	0.18277
chr3	TCONS_00054483	XLOC_039923	3658822	3659022	+	1	OS03G0167700	CUFF.7751	OS03T01677(x		TSS4237	3.249E-27
chr3	TCONS_00044878	XLOC_039942	3757025	3757253	+	1	NA	CUFF.5997	NA	u	TSS4239	4.378E-29
chr3	TCONS_00054488	XLOC_039972	4004405	4005257	+	1	OS03G0174900	CUFF.7776	OS03T01749(i		TSS4243	1.326E-28
chr3	TCONS_00054491	XLOC_040005	4199018	4199290	+	1	NA	CUFF.7786	NA	u	TSS4246	1.508E-30
chr3	TCONS_00054495	XLOC_040027	4379204	4379588	+	1	NA	CUFF.7796	NA	u	TSS4249	2.859E-30
chr3	TCONS_00044981	XLOC_040045	4468384	4468585	+	1	NA	CUFF.6029	NA	u	TSS4251	0
chr3	TCONS_00054499	XLOC_040078	4676540	4676765	+	1	OS03G0189400	CUFF.7830	OS03T01894(i		TSS4254	7.972E-26
chr3	TCONS_00054500	XLOC_040087	4712955	4713161	+	1	NA	CUFF.7816	NA	u	TSS4255	2.638E-18
chr3	TCONS_00054503	XLOC_040101	4809245	4809639	+	1	OS03G0192400	CUFF.7822	OS03T01924(i		TSS4256	3.453E-17
chr3	TCONS_00054504	XLOC_040129	4953673	4953881	+	1	NA	CUFF.7834	NA	u	TSS4259	1.947E-29
chr3	TCONS_00045073	XLOC_040134	4975325	4975553	+	1	NA	CUFF.6061	NA	u	TSS4260	2.144E-28
chr3	TCONS_00045074	XLOC_040135	4978656	4978860	+	1	NA	CUFF.6062	NA	u	TSS4260	5.608E-86
chr3	TCONS_00045075	XLOC_040136	4984141	4984350	+	1	NA	CUFF.6064	NA	u	TSS4260	0

chr3	TCONS_00054507	XLOC_040139	4986600	4986953	+	1	NA	CUFF.7839 NA	u	TSS4260	6.126E-18
chr3	TCONS_00045083	XLOC_040146	5005448	5005896	+	1	NA	CUFF.6068 NA	u	TSS4261	7.423E-81
chr3	TCONS_00045084	XLOC_040147	5006362	5006585	+	1	NA	CUFF.6066 NA	u	TSS4261	1.062E-37
chr3	TCONS_00045085	XLOC_040148	5007750	5007992	+	1	NA	CUFF.6067 NA	u	TSS4261	4.436E-24
chr3	TCONS_00045120	XLOC_040180	5285842	5286067	+	1	OS03G0200700	CUFF.6083 OS03T02007(i		TSS4265	1.135E-31
chr3	TCONS_00045129	XLOC_040187	5335194	5335408	+	1	OS03G0201901	CUFF.6088 OS03T02019(i		TSS4266	0
chr3	TCONS_00045418	XLOC_040220	5616667	5616871	+	1	OS03G0207300	CUFF.7883 OS03T02073(x		TSS4269	2.638E-18
chr3	TCONS_00045419	XLOC_040226	5664958	5665585	+	1	NA	CUFF.7886 NA	u	TSS4270	3.839E-19
chr3	TCONS_00045170	XLOC_040231	5682757	5682974	+	1	OS03G0208900	CUFF.6103 OS03T02089(i		TSS4270	9.344E-20
chr3	TCONS_00045187	XLOC_040247	5784851	5785060	+	1	OS03G0210800	CUFF.6110 OS03T02108(x		TSS4272	0
chr3	TCONS_00045422	XLOC_040250	5787453	5787699	+	1	NA	CUFF.7895 NA	u	TSS4272	5.209E-35
chr3	TCONS_00045423	XLOC_040251	5788423	5788630	+	1	NA	CUFF.7893 NA	u	TSS4273	5.016E-18
chr3	TCONS_00045431	XLOC_040282	5938369	5938707	+	1	NA	CUFF.7903 NA	u	TSS4276	0.0002359
chr3	TCONS_00045433	XLOC_040309	6139592	6140117	+	1	OS03G0216700	CUFF.7942 OS03T02167(i		TSS4279	1.001E-27
chr3	TCONS_00045434	XLOC_040310	6140574	6140835	+	1	OS03G0216700	CUFF.7948 OS03T02167(i		TSS4279	1.855E-47
chr3	TCONS_00045249	XLOC_040311	6142365	6142610	+	1	OS03G0216700	CUFF.6142 OS03T02167(i		TSS4279	2.272E-18
chr3	TCONS_00045435	XLOC_040320	6222681	6223195	+	1	OS03G0218200	CUFF.7929 OS03T02182(i		TSS4280	3.802E-12
chr3	TCONS_00045436	XLOC_040322	6236000	6236308	+	1	OS03G0218400	CUFF.7935 OS03T02184(i		TSS4280	3.51E-47
chr3	TCONS_00045259	XLOC_040323	6237671	6238091	+	1	OS03G0218400	CUFF.6137 OS03T02184(x		TSS4280	1.563E-27
chr3	TCONS_00045297	XLOC_040357	6520184	6520389	+	1	OS03G0224300	CUFF.6151 OS03T02243(i		TSS4284	0
chr3	TCONS_00045337	XLOC_040392	6872850	6873092	+	1	OS03G0229600	CUFF.6167 OS03T02296(i		TSS4288	1.842E-25
chr3	TCONS_00045383	XLOC_040436	7103453	7104067	+	1	OS03G0234200	CUFF.8105 OS03T02342(x		TSS4293	0
chr3	TCONS_00045444	XLOC_040438	7111094	7111493	+	1	OS03G0234600	CUFF.7986 OS03T02346(x		TSS4293	3.129E-15
chr3	TCONS_00045445	XLOC_040439	7129639	7130336	+	1	NA	CUFF.8006 NA	u	TSS4293	0
chr3	TCONS_00045396	XLOC_040446	7164998	7165204	+	1	OS03G0235900	CUFF.6181 OS03T02359(i		TSS4294	6.885E-83
chr3	TCONS_00045416	XLOC_040466	7333445	7333674	+	1	OS03G0238800	CUFF.6184 OS03T02388(i		TSS4296	1.827E-30
chr3	TCONS_00045458	XLOC_040472	7368116	7369026	+	1	OS03G0239400	CUFF.8010 OS03T02394(i		TSS4296	6.428E-42
chr3	TCONS_00045429	XLOC_040483	7446307	7446587	+	1	OS03G0240700	CUFF.6190 OS03T02407(x		TSS4298	0
chr3	TCONS_00045452	XLOC_040484	7448595	7449012	+	1	OS03G0240700	CUFF.7994 OS03T02407(i		TSS4298	0.0003474
chr3	TCONS_00045455	XLOC_040498	7566626	7567188	+	1	ADF5	CUFF.8013 OS03T02431(i		TSS4299	5.01E-43
chr3	TCONS_00045462	XLOC_040515	7669484	7669806	+	1	NA	CUFF.6193 NA	u	TSS4301	0.0001466
chr3	TCONS_00045461	XLOC_040533	7757322	7757583	+	1	OS03G0246800	CUFF.8038 OS03T02468(i		TSS4303	3.243E-08
chr3	TCONS_00045485	XLOC_040534	7757922	7758221	+	1	OS03G0246800	CUFF.6213 OS03T02468(i		TSS4304	5.147E-27
chr3	TCONS_00045463	XLOC_040535	7758584	7758918	+	1	NCRNA_7998	CUFF.8052 NCRNA_799(x		TSS4304	3.718E-24
chr3	TCONS_00045464	XLOC_040536	7759163	7759748	+	1	OS03G0246800	CUFF.8026 OS03T02468(i		TSS4304	6.112E-73

chr3	TCONS_00054565	XLOC_040537	7761409	7761693	+	1	OS03G0246800	CUFF.8054	OS03T02468(i	TSS4304	1.959E-24	
chr3	TCONS_00054566	XLOC_040540	7778166	7778368	+	1	OS03G0247000	CUFF.8024	OS03T02470(i	TSS4304	2.869E-25	
chr3	TCONS_00054569	XLOC_040582	8094182	8094383	+	1	NA	CUFF.8029	NA	u	TSS4309	1.795E-42
chr3	TCONS_00054566	XLOC_040596	8168959	8169202	+	1	OS03G0254700	CUFF.6238	OS03T02547(i	TSS4310	4.745E-28	
chr3	TCONS_00054571	XLOC_040604	8222531	8222815	+	1	OS03G0255500	CUFF.8067	OS03T02555(i	TSS4311	2.303E-41	
chr3	TCONS_00054575	XLOC_040624	8441223	8441428	+	1	OS03G0260100	CUFF.8084	OS03T02601(x	TSS4313	2.638E-18	
chr3	TCONS_00054588	XLOC_040636	8548133	8548337	+	1	OS03G0261900	CUFF.6233	OS03T02619(i	TSS4315	1.078E-87	
chr3	TCONS_00054576	XLOC_040637	8552120	8552168	+	1	NA	CUFF.8066	NA	u	TSS4315	9.239E-09
chr3	TCONS_00054599	XLOC_040647	8581041	8581257	+	1	NA	CUFF.6235	NA	u	TSS4316	1.274E-20
chr3	TCONS_00054601	XLOC_040649	8600031	8600238	+	1	NCBP	CUFF.6240	OS03T02624(x	TSS4316	2.07E-05	
chr3	TCONS_00054656	XLOC_040702	8951355	8951555	+	1	OS03G0269100	CUFF.6254	OS03T02691(i	TSS4322	0	
chr3	TCONS_00054709	XLOC_040753	9316121	9316326	+	1	OS03G0275500	CUFF.6271	OS03T02755(i	TSS4327	0	
chr3	TCONS_00054741	XLOC_040783	9564213	9564506	+	1	OS03G0280000	CUFF.8122	OS03T02800(i	TSS4330	1.206E-27	
chr3	TCONS_00054788	XLOC_040831	9848222	9848569	+	1	MPK5	CUFF.6306	OS03T02858(i	TSS4335	0	
chr3	TCONS_00054590	XLOC_040857	10040142	10040920	+	1	OS03G0289800	CUFF.8157	OS03T02898(i	TSS4338	2.208E-83	
chr3	TCONS_00054591	XLOC_040858	10041611	10041881	+	1	OS03G0289800	CUFF.8158	OS03T02898(i	TSS4338	3E-12	
chr3	TCONS_00054593	XLOC_040862	10094477	10094757	+	1	OS03G0290500	CUFF.8152	OS03T02905(x	TSS4339	1.037E-34	
chr3	TCONS_00054598	XLOC_040951	10826718	10827055	+	1	OS03G0305100	CUFF.8235	OS03T03051(i	TSS4349	5.592E-20	
chr3	TCONS_00054932	XLOC_040962	10868354	10868586	+	1	OS03G0306200	CUFF.8199	OS03T03062(x	TSS4350	0	
chr3	TCONS_00054602	XLOC_040967	10871889	10872238	+	1	NA	CUFF.8197	NA	u	TSS4350	1.048E-19
chr3	TCONS_00054606	XLOC_040988	10956848	10957195	+	1	OS03G0307800	CUFF.8212	OS03T03078(x	TSS4352	4.359E-41	
chr3	TCONS_00054607	XLOC_040995	11002929	11003445	+	1	NA	CUFF.8208	NA	u	TSS4353	0.14978
chr3	TCONS_00054608	XLOC_040996	11003622	11003842	+	1	OS03G0308900	CUFF.8214	OS03T03089(x	TSS4353	2.542E-23	
chr3	TCONS_00054609	XLOC_041008	11085903	11086235	+	1	OS03G0310633	CUFF.8224	OS03T03106(x	TSS4355	0.002878	
chr3	TCONS_00046008	XLOC_041034	11281294	11281497	+	1	NA	CUFF.6372	NA	u	TSS4358	4.28E-67
chr3	TCONS_00046055	XLOC_041085	11629130	11629355	+	1	NA	CUFF.6389	NA	u	TSS4363	9.195E-12
chr3	TCONS_00054624	XLOC_041099	11731020	11731274	+	1	OS03G0323600	CUFF.8667	OS03T03236(x	TSS4365	1.855E-47	
chr3	TCONS_00054627	XLOC_041114	11847449	11847660	+	1	WOX6	CUFF.8255	OS03T03256(i	TSS4367	1.562E-40	
chr3	TCONS_00054629	XLOC_041120	11885734	11886062	+	1	NA	CUFF.8242	NA	u	TSS4367	0
chr3	TCONS_00054630	XLOC_041122	11889497	11889816	+	1	NA	CUFF.8245	NA	u	TSS4367	2.654E-11
chr3	TCONS_00054631	XLOC_041123	11889901	11890121	+	1	NA	CUFF.8244	NA	u	TSS4368	0.005791
chr3	TCONS_00054632	XLOC_041124	11891289	11891614	+	1	NA	CUFF.8251	NA	u	TSS4368	0.024257
chr3	TCONS_00054633	XLOC_041126	11892289	11892512	+	1	NA	CUFF.8247	NA	u	TSS4368	2.303E-41
chr3	TCONS_00046099	XLOC_041134	11956913	11957137	+	1	NA	CUFF.6409	NA	u	TSS4369	2.425E-79
chr3	TCONS_00046102	XLOC_041137	11973433	11973670	+	1	NA	CUFF.6410	NA	u	TSS4369	1.974E-08

chr3	TCONS_00046120	XLOC_041154	12105270	12105488	+	1	GLU1	CUFF.6425 OS03T03295(x	TSS4371	5.262E-22	
chr3	TCONS_00054639	XLOC_041155	12106145	12106346	+	1	GLU1	CUFF.8270 OS03T03295(i	TSS4371	3.249E-27	
chr3	TCONS_00046132	XLOC_041167	12221289	12221533	+	1	OS03G0331600	CUFF.6427 OS03T03316(i	TSS4372	1.345E-24	
chr3	TCONS_00054641	XLOC_041167	12221496	12221705	+	1	OS03G0331600	CUFF.8286 OS03T03316(i	TSS4372	2.654E-11	
chr3	TCONS_00054642	XLOC_041190	12366347	12366701	+	1	NA	CUFF.8280 NA	u	TSS4375	9.036E-28
chr3	TCONS_00054645	XLOC_041233	12618760	12619115	+	1	OS03G0339400	CUFF.8300 OS03T03394(x	TSS4380	2.956E-40	
chr3	TCONS_00054647	XLOC_041247	12717295	12717593	+	1	OS03G0341100	CUFF.8309 OS03T03411(x	TSS4381	0.024257	
chr3	TCONS_00046216	XLOC_041249	12721470	12721807	+	1	NA	CUFF.6445 NA	u	TSS4381	3.386E-18
chr3	TCONS_00046225	XLOC_041258	12767946	12768197	+	1	OS03G0342900	CUFF.6455 OS03T03429(i	TSS4382	0	
chr3	TCONS_00046229	XLOC_041262	12800633	12800869	+	1	NA	CUFF.6451 NA	u	TSS4383	1.594E-22
chr3	TCONS_00046245	XLOC_041275	12846616	12846858	+	1	NA	CUFF.6454 NA	u	TSS4384	1.232E-16
chr3	TCONS_00054656	XLOC_041310	13150236	13150446	+	1	NA	CUFF.8320 NA	u	TSS4388	9.541E-18
chr3	TCONS_00054659	XLOC_041318	13168098	13168302	+	1	NA	CUFF.8329 NA	u	TSS4389	2.576E-38
chr3	TCONS_00046288	XLOC_041323	13197187	13197403	+	1	NA	CUFF.6475 NA	u	TSS4389	2.462E-47
chr3	TCONS_00046336	XLOC_041371	13704372	13704573	+	1	NA	CUFF.6493 NA	u	TSS4394	0
chr3	TCONS_00054669	XLOC_041387	13840473	13840680	+	1	NA	CUFF.8363 NA	u	TSS4396	2.38E-16
chr3	TCONS_00054670	XLOC_041388	13841248	13841496	+	1	NA	CUFF.8362 NA	u	TSS4396	0.0003675
chr3	TCONS_00054671	XLOC_041389	13851114	13851329	+	1	OS03G0358000	CUFF.8368 OS03T03580(i	TSS4396	5.01E-43	
chr3	TCONS_00046359	XLOC_041400	13942677	13943040	+	1	OS03G0359100	CUFF.6505 OS03T03591(x	TSS4397	2.768E-79	
chr3	TCONS_00046369	XLOC_041409	14002214	14002436	+	1	OS03G0360500	CUFF.6498 OS03T03605(x	TSS4398	4.378E-29	
chr3	TCONS_00054678	XLOC_041475	14517532	14517943	+	1	OS03G0369800	CUFF.8399 OS03T03698(i	TSS4405	1.739E-22	
chr3	TCONS_00054681	XLOC_041516	14852968	14853221	+	1	NA	CUFF.8427 NA	u	TSS4409	0.30159
chr3	TCONS_00046680	XLOC_041702	16305719	16305937	+	1	SUS1	CUFF.6661 OS03T04013(x	TSS4429	0	
chr3	TCONS_00054694	XLOC_041714	16383605	16383995	+	1	NA	CUFF.8489 NA	u	TSS4430	1.112E-48
chr3	TCONS_00046728	XLOC_041751	16703627	16704004	+	1	OS03G0407050	CUFF.6634 OS03T04070(i	TSS4434	1.389E-48	
chr3	TCONS_00046804	XLOC_041812	17209719	17209943	+	1	OS03G0415200	CUFF.8532 OS03T04152(i	TSS4440	4.203E-26	
chr3	TCONS_00054703	XLOC_041831	17349762	17350258	+	1	OS03G0417800	CUFF.8539 OS03T04178(i	TSS4442	0.25215	
chr3	TCONS_00054704	XLOC_041832	17379273	17379633	+	1	OS03G0417900	CUFF.8540 OS03T04179(i	TSS4443	1.339E-23	
chr3	TCONS_00054705	XLOC_041851	17617126	17617171	+	1	NA	CUFF.8542 NA	u	TSS4445	0.3701
chr3	TCONS_00054707	XLOC_041863	17707497	17708050	+	1	PUB57	CUFF.8547 OS03T04242(i	TSS4446	2.859E-30	
chr3	TCONS_00054708	XLOC_041871	17746548	17746846	+	1	OS03G0425200	CUFF.8553 OS03T04252(x	TSS4447	7.264E-12	
chr3	TCONS_00054711	XLOC_041910	18151600	18151806	+	1	NA	CUFF.8570 NA	u	TSS4451	4.824E-23
chr3	TCONS_00054712	XLOC_041931	18454731	18455095	+	1	D14L	CUFF.8591 OS03T04376(i	TSS4453	2.542E-23	
chr3	TCONS_00054715	XLOC_041981	19185805	19186399	+	1	OS03G0448600	CUFF.8603 OS03T04486(i	TSS4458	4.824E-23	
chr3	TCONS_00054718	XLOC_041984	19210107	19210355	+	1	NA	CUFF.8600 NA	u	TSS4459	8.154E-21

chr3	TCONS_00054719	XLOC_041985	19211809	19212050	+	1	NA	CUFF.8602 NA	u	TSS4459	4.824E-23
chr3	TCONS_00054721	XLOC_042008	19521462	19521667	+	1	OS03G0454100	CUFF.8607 OS03T04541(i		TSS4461	1.25E-16
chr3	TCONS_00047000	XLOC_042013	19585432	19585634	+	1	NA	CUFF.6679 NA	u	TSS4461	0
chr3	TCONS_00047001	XLOC_042014	19588273	19588611	+	1	OS03G0554900	CUFF.6686 OS03T05549(x		TSS4462	0.12416
chr3	TCONS_00054724	XLOC_042016	19589658	19589893	+	1	NA	CUFF.8616 NA	u	TSS4462	1.187E-36
chr3	TCONS_00054728	XLOC_042022	19594513	19594918	+	1	NA	CUFF.8611 NA	u	TSS4463	0.0035937
chr3	TCONS_00054731	XLOC_042026	19600121	19600659	+	1	NA	CUFF.8612 NA	u	TSS4463	1.205E-44
chr3	TCONS_00054734	XLOC_042037	19866422	19866710	+	1	NA	CUFF.8620 NA	u	TSS4464	6.994E-29
chr3	TCONS_00047023	XLOC_042044	19945221	19945534	+	1	NA	CUFF.6689 NA	u	TSS4465	4.697E-49
chr3	TCONS_00047032	XLOC_042053	20212944	20213173	+	1	NA	CUFF.6692 NA	u	TSS4466	6.512E-29
chr3	TCONS_00047042	XLOC_042066	20324531	20324765	+	1	NA	CUFF.6694 NA	u	TSS4467	2.178E-23
chr3	TCONS_00047043	XLOC_042067	20362307	20362510	+	1	NA	CUFF.6696 NA	u	TSS4467	0
chr3	TCONS_00047051	XLOC_042076	20424004	20424214	+	1	OS03G0565600	CUFF.6701 OS03T05656(i		TSS4468	1.012E-65
chr3	TCONS_00054740	XLOC_042077	20424290	20424813	+	1	OS03G0565600	CUFF.8638 OS03T05656(i		TSS4468	1.501E-13
chr3	TCONS_00047080	XLOC_042107	20679598	20679811	+	1	OS03G0570200	CUFF.6709 OS03T05702(i		TSS4471	3.926E-57
chr3	TCONS_00054744	XLOC_042110	20686250	20686515	+	1	NA	CUFF.8643 NA	u	TSS4472	1.654E-63
chr3	TCONS_00047087	XLOC_042116	20745561	20745790	+	1	OS03G0570800	CUFF.6722 OS03T05708(i		TSS4472	1.827E-30
chr3	TCONS_00054746	XLOC_042122	20797840	20798162	+	1	OS03G0571900	CUFF.8662 OS03T05719(x		TSS4473	2.217E-31
chr3	TCONS_00054749	XLOC_042130	20874214	20874536	+	1	OS03G0572900	CUFF.8665 OS03T05729(x		TSS4474	2.863E-13
chr3	TCONS_00054751	XLOC_042143	21064804	21065104	+	1	OS03G0576200	CUFF.8663 OS03T05762(x		TSS4475	0
chr3	TCONS_00047126	XLOC_042153	21099078	21099288	+	1	OS03G0577000	CUFF.8679 OS03T05770(i		TSS4477	0
chr3	TCONS_00047166	XLOC_042190	21513166	21513385	+	1	DCL2A	CUFF.6748 OS03T05839(i		TSS4481	3.192E-33
chr3	TCONS_00047213	XLOC_042235	22024101	22024309	+	1	OS03G0593200	CUFF.6745 OS03T05932(i		TSS4485	0
chr3	TCONS_00047228	XLOC_042252	22166568	22166777	+	1	OS03G0595800	CUFF.6743 OS03T05958(i		TSS4487	1.688E-31
chr3	TCONS_00054760	XLOC_042255	22169630	22169891	+	1	OS03G0595800	CUFF.8690 OS03T05958(x		TSS4487	9.09E-07
chr3	TCONS_00054761	XLOC_042261	22224292	22225007	+	1	OS03G0596900	CUFF.8696 OS03T05969(i		TSS4488	2.02E-19
chr3	TCONS_00047236	XLOC_042263	22248200	22248413	+	1	NA	CUFF.6741 NA	u	TSS4488	7.06E-28
chr3	TCONS_00047258	XLOC_042286	22382974	22383324	+	1	UAM1	CUFF.6775 OS03T05998(i		TSS4491	5.004E-53
chr3	TCONS_00054770	XLOC_042326	22728157	22728363	+	1	NA	CUFF.8715 NA	u	TSS4495	4.824E-23
chr3	TCONS_00047350	XLOC_042385	23381304	23381337	+	1	NA	CUFF.6772 NA	u	TSS4501	0.0077427
chr3	TCONS_00054779	XLOC_042385	23382277	23382518	+	1	NA	CUFF.8734 NA	u	TSS4501	1.326E-28
chr3	TCONS_00054780	XLOC_042386	23383050	23383252	+	1	NA	CUFF.8733 NA	u	TSS4501	2.943E-20
chr3	TCONS_00047390	XLOC_042424	23626148	23626731	+	1	OS03G0622500	CUFF.6819 OS03T06225(i		TSS4505	1.386E-10
chr3	TCONS_00047407	XLOC_042439	23789506	23789730	+	1	NA	CUFF.6787 NA	u	TSS4507	0
chr3	TCONS_00054792	XLOC_042449	23806797	23807080	+	1	OS03G0625700	CUFF.8766 OS03T06257(i		TSS4508	1.508E-30

chr3	TCONS_00054794	XLOC_042461	23873675	23873990	+	1	OS03G0626700	CUFF.8771 OS03T06267(i	TSS4509	1.748E-37
chr3	TCONS_00054800	XLOC_042510	24430364	24431557	+	1	NA	CUFF.8796 NA u	TSS4514	2.605E-16
chr3	TCONS_00047499	XLOC_042527	24575195	24575468	+	1	LOL3	CUFF.6836 OS03T06396(x	TSS4516	0
chr3	TCONS_00054801	XLOC_042540	24695529	24695733	+	1	OS03G0641250	CUFF.8820 OS03T06412(i	TSS4517	2.542E-23
chr3	TCONS_00054802	XLOC_042541	24701201	24701430	+	1	NA	CUFF.8816 NA u	TSS4517	1.118E-62
chr3	TCONS_00047512	XLOC_042542	24702254	24702516	+	1	NA	CUFF.6835 NA u	TSS4517	2.373E-22
chr3	TCONS_00054803	XLOC_042542	24702370	24703402	+	1	NA	CUFF.8818 NA u	TSS4518	2.02E-19
chr3	TCONS_00047521	XLOC_042552	24780947	24781167	+	1	OS03G0642900	CUFF.6843 OS03T06429(x	TSS4519	1.441E-28
chr3	TCONS_00054806	XLOC_042557	24817170	24817577	+	1	OAT	CUFF.8836 OS03T06433(i	TSS4519	1.339E-23
chr3	TCONS_00054813	XLOC_042584	25045982	25046239	+	1	NA	CUFF.8838 NA u	TSS4522	0.0039719
chr3	TCONS_00047554	XLOC_042588	25048106	25048352	+	1	NA	CUFF.6851 NA u	TSS4523	2.962E-08
chr3	TCONS_00054817	XLOC_042600	25096158	25096398	+	1	OS03G0647800	CUFF.8852 OS03T06478(i	TSS4524	5.979E-50
chr3	TCONS_00047606	XLOC_042635	25299885	25300101	+	1	OS03G0651300	CUFF.6863 OS03T06513(x	TSS4527	3.132E-05
chr3	TCONS_00047675	XLOC_042698	25854045	25854259	+	1	OS03G0659900	CUFF.6884 OS03T06599(i	TSS4534	0
chr3	TCONS_00054824	XLOC_042701	25865977	25866184	+	1	NA	CUFF.8890 NA u	TSS4535	5.016E-18
chr3	TCONS_00054829	XLOC_042770	26299065	26299265	+	1	NA	CUFF.8905 NA u	TSS4542	3.301E-22
chr3	TCONS_00054830	XLOC_042771	26308591	26308830	+	1	OS03G0667800	CUFF.8906 OS03T06678(x	TSS4542	4.791E-33
chr3	TCONS_00054834	XLOC_042806	26555748	26556006	+	1	NA	CUFF.8925 NA u	TSS4546	9.863E-61
chr3	TCONS_00054837	XLOC_042848	26899431	26899632	+	1	NA	CUFF.8938 NA u	TSS4550	1.387E-18
chr3	TCONS_00047862	XLOC_042877	27113886	27114106	+	1	OS03G0681400	CUFF.6937 OS03T06814(i	TSS4553	0
chr3	TCONS_00054840	XLOC_042881	27137599	27137908	+	1	OS03G0681900	CUFF.8961 OS03T06819(i	TSS4554	2.02E-19
chr3	TCONS_00047869	XLOC_042884	27164915	27165117	+	1	NA	CUFF.6933 NA u	TSS4554	0
chr3	TCONS_00054843	XLOC_042941	27545804	27546113	+	1	NA	CUFF.8977 NA u	TSS4560	6.64E-47
chr3	TCONS_00047947	XLOC_042959	27765274	27765494	+	1	OS03G0693400	CUFF.6963 OS03T06934(i	TSS4562	5.596E-36
chr3	TCONS_00054847	XLOC_042984	27989303	27989520	+	1	NA	CUFF.9007 NA u	TSS4565	5.912E-63
chr3	TCONS_00054851	XLOC_042995	28067703	28067908	+	1	NA	CUFF.9013 NA u	TSS4566	5.418E-30
chr3	TCONS_00054853	XLOC_043006	28163869	28164111	+	1	OS03G0701550	CUFF.9022 OS03T07015(x	TSS4567	5.592E-20
chr3	TCONS_00047999	XLOC_043008	28170985	28171206	+	1	OS03G0701700	CUFF.6984 OS03T07017(x	TSS4568	1.503E-65
chr3	TCONS_00048013	XLOC_043019	28272333	28272547	+	1	OS03G0703400	CUFF.6988 OS03T07034(x	TSS4569	0
chr3	TCONS_00054855	XLOC_043020	28273031	28273365	+	1	NCRNA_3019	CUFF.9035 NCRNA_301(x	TSS4569	4.786E-48
chr3	TCONS_00048033	XLOC_043040	28447943	28448172	+	1	NA	CUFF.6987 NA u	TSS4571	3.698E-13
chr3	TCONS_00054857	XLOC_043041	28454598	28455065	+	1	OS03G0706900	CUFF.9037 OS03T07069(x	TSS4571	8.51E-46
chr3	TCONS_00054858	XLOC_043045	28479091	28479448	+	1	OS03G0707300	CUFF.9038 OS03T07073(x	TSS4572	8.155E-21
chr3	TCONS_00048046	XLOC_043055	28575154	28575598	+	1	OS03G0708700	CUFF.6995 OS03T07087(x	TSS4573	2.826E-20
chr3	TCONS_00054860	XLOC_043056	28576187	28576690	+	1	NA	CUFF.9039 NA u	TSS4573	1.339E-23

chr3	TCONS_00048054	XLOC_043064	28605480	28605799	+	1	OS03G0709300	CUFF.7003 OS03T07093(i	TSS4574	1.051E-29	
chr3	TCONS_00054869	XLOC_043085	28723734	28724044	+	1	OS03G0711400	CUFF.9077 OS03T07114(x	TSS4576	3.453E-17	
chr3	TCONS_00054871	XLOC_043126	29019516	29019840	+	1	OS03G0717000	CUFF.9070 OS03T07170(i	TSS4580	3.129E-15	
chr3	TCONS_00048128	XLOC_043137	29080044	29080277	+	1	NA	CUFF.7015 NA	u	TSS4582	2.943E-29
chr3	TCONS_00054875	XLOC_043150	29175240	29175445	+	1	PHYA	CUFF.9104 OS03T07198(i	TSS4583	1.17E-31	
chr3	TCONS_00054878	XLOC_043186	29448902	29449173	+	1	OS03G0724500	CUFF.9113 OS03T07245(i	TSS4587	8.061E-36	
chr3	TCONS_00048200	XLOC_043202	29563400	29563630	+	1	OS03G0726500	CUFF.7053 OS03T07265(i	TSS4589	2.826E-20	
chr3	TCONS_00054881	XLOC_043211	29714729	29714980	+	1	OS03G0727900	CUFF.9148 OS03T07279(i	TSS4590	4.359E-41	
chr3	TCONS_00054882	XLOC_043217	29759516	29759718	+	1	NA	CUFF.9130 NA	u	TSS4590	1.339E-23
chr3	TCONS_00048245	XLOC_043247	29973337	29973539	+	1	OS03G0732000	CUFF.7069 OS03T07320(i	TSS4593	1.402E-66	
chr3	TCONS_00054884	XLOC_043262	30061505	30061708	+	1	NA	CUFF.9143 NA	u	TSS4595	2.638E-18
chr3	TCONS_00054885	XLOC_043263	30065042	30065249	+	1	OS03G0733800	CUFF.9161 OS03T07338(i	TSS4595	4.824E-23	
chr3	TCONS_00054886	XLOC_043264	30065380	30065592	+	1	OS03G0733800	CUFF.9166 OS03T07338(i	TSS4595	0.005791	
chr3	TCONS_00054890	XLOC_043280	30165715	30165929	+	1	OS03G0736000	CUFF.9175 OS03T07360(i	TSS4597	1.739E-22	
chr3	TCONS_00048287	XLOC_043298	30245688	30245906	+	1	OS03G0737701	CUFF.7088 OS03T07377(x	TSS4599	3.909E-32	
chr3	TCONS_00054895	XLOC_043324	30440197	30440475	+	1	OS03G0741700	CUFF.9185 OS03T07417(x	TSS4602	1.335E-33	
chr3	TCONS_00048321	XLOC_043329	30456704	30456904	+	1	NA	CUFF.7099 NA	u	TSS4602	0
chr3	TCONS_00048338	XLOC_043349	30553442	30553673	+	1	NA	CUFF.7104 NA	u	TSS4604	1.167E-21
chr3	TCONS_00048344	XLOC_043355	30567530	30567875	+	1	NA	CUFF.7109 NA	u	TSS4605	0.029675
chr3	TCONS_00048346	XLOC_043357	30569014	30570309	+	1	NA	CUFF.7119 NA	u	TSS4605	0
chr3	TCONS_00048348	XLOC_043358	30571101	30571595	+	1	NA	CUFF.7115 NA	u	TSS4605	0
chr3	TCONS_00054909	XLOC_043358	30570430	30571334	+	1	NA	CUFF.9203 NA	u	TSS4605	2.419E-38
chr3	TCONS_00048349	XLOC_043359	30571676	30572367	+	1	NA	CUFF.7114 NA	u	TSS4606	8.318E-05
chr3	TCONS_00054912	XLOC_043359	30572346	30572698	+	1	NA	CUFF.9199 NA	u	TSS4606	1.904E-38
chr3	TCONS_00054915	XLOC_043362	30574156	30574463	+	1	NA	CUFF.9202 NA	u	TSS4606	2.972E-16
chr3	TCONS_00054916	XLOC_043364	30581218	30581675	+	1	OS03G0744675	CUFF.9221 OS03T07446(i	TSS4606	3.414E-08	
chr3	TCONS_00054920	XLOC_043381	30732333	30732617	+	1	NA	CUFF.9211 NA	u	TSS4608	0.030927
chr3	TCONS_00048408	XLOC_043417	30941666	30941891	+	1	ADA2	CUFF.7150 OS03T07508(x	TSS4612	5.553E-31	
chr3	TCONS_00048442	XLOC_043447	31183965	31184221	+	1	NCRNA_5492	CUFF.7168 NCRNA_549(x	TSS4615	0.01177	
chr3	TCONS_00054926	XLOC_043449	31189240	31190198	+	1	OS03G0755700	CUFF.9813 OS03T07557(x	TSS4615	1.859E-10	
chr3	TCONS_00048466	XLOC_043470	31321830	31322084	+	1	NA	CUFF.7160 NA	u	TSS4618	1.233E-12
chr3	TCONS_00048468	XLOC_043472	31323188	31323438	+	1	OS03G0758000	CUFF.7162 OS03T07580(x	TSS4618	0.0003675	
chr3	TCONS_00048480	XLOC_043485	31402103	31402424	+	1	NA	CUFF.7169 NA	u	TSS4619	0.74128
chr3	TCONS_00054933	XLOC_043537	31696040	31696291	+	1	OS03G0765400	CUFF.9290 OS03T07654(i	TSS4625	4.872E-56	
chr3	TCONS_00054935	XLOC_043552	31776701	31776901	+	1	NA	CUFF.9280 NA	u	TSS4626	1.549E-20

chr3	TCONS_00054937	XLOC_043557	31809506	31809797	+	1	NA	CUFF.9283	NA	u	TSS4627	1.518E-37
chr3	TCONS_00048551	XLOC_043558	31810542	31810757	+	1	NA	CUFF.7190	NA	u	TSS4627	2.882E-67
chr3	TCONS_00048591	XLOC_043596	32045789	32046192	+	1	OS03G0773300	CUFF.7214	OS03T07733(x		TSS4631	2.456E-75
chr3	TCONS_00054947	XLOC_043686	32714820	32715038	+	1	NA	CUFF.9355	NA	u	TSS4641	8.626E-16
chr3	TCONS_00048719	XLOC_043714	32885775	32885999	+	1	OS03G0790900	CUFF.7269	OS03T07909(i		TSS4644	4.079E-25
chr3	TCONS_00054951	XLOC_043719	32913520	32913779	+	1	OS03G0791500	CUFF.9368	OS03T07915(x		TSS4644	7.393E-44
chr3	TCONS_00048729	XLOC_043726	32934335	32934557	+	1	OS03G0791800	CUFF.7262	OS03T07918(x		TSS4645	0
chr3	TCONS_00048756	XLOC_043753	33068117	33068359	+	1	OS03G0795000	CUFF.7270	OS03T07950(x		TSS4648	1.274E-20
chr3	TCONS_00054958	XLOC_043755	33083649	33083855	+	1	NA	CUFF.9381	NA	u	TSS4648	4.824E-23
chr3	TCONS_00054961	XLOC_043808	33392348	33392604	+	1	OS03G0800700	CUFF.9403	OS03T08007(i		TSS4654	2.248E-36
chr3	TCONS_00048835	XLOC_043834	33502423	33502670	+	1	OS03G0802900	CUFF.7283	OS03T08029(x		TSS4656	1.238E-25
chr3	TCONS_00054967	XLOC_043839	33520061	33520384	+	1	OS03G0803300	CUFF.9421	OS03T08033(x		TSS4657	4.189E-11
chr3	TCONS_00048844	XLOC_043843	33529691	33529897	+	1	NA	CUFF.7291	NA	u	TSS4657	0
chr3	TCONS_00054971	XLOC_043845	33534839	33535451	+	1	NA	CUFF.9423	NA	u	TSS4658	8.155E-21
chr3	TCONS_00054973	XLOC_043847	33537187	33538049	+	1	NA	CUFF.9424	NA	u	TSS4658	1.339E-23
chr3	TCONS_00054975	XLOC_043849	33538618	33538839	+	1	NA	CUFF.9433	NA	u	TSS4658	3.721E-34
chr3	TCONS_00048948	XLOC_043952	34215059	34215287	+	1	NA	CUFF.7314	NA	u	TSS4669	7.436E-14
chr3	TCONS_00054983	XLOC_043956	34224058	34224333	+	1	NA	CUFF.9448	NA	u	TSS4669	1.02E-52
chr3	TCONS_00049000	XLOC_044001	34474117	34474325	+	1	NA	CUFF.7329	NA	u	TSS4674	1.703E-36
chr3	TCONS_00049010	XLOC_044010	34528357	34528597	+	1	OS03G0822200	CUFF.7340	OS03T08222(i		TSS4675	1.561E-32
chr3	TCONS_00054990	XLOC_044028	34608116	34608324	+	1	OS03G0824000	CUFF.9478	OS03T08240(x		TSS4677	2.26E-21
chr3	TCONS_00049037	XLOC_044039	34670390	34670593	+	1	OS03G0825400	CUFF.7341	OS03T08254(i		TSS4678	0
chr3	TCONS_00054993	XLOC_044071	34870248	34870682	+	1	OS03G0830200	CUFF.9490	OS03T08302(x		TSS4682	1.501E-13
chr3	TCONS_00054998	XLOC_044094	34994758	34995128	+	1	OS03G0832900	CUFF.9502	OS03T08329(x		TSS4684	7.956E-14
chr3	TCONS_00055003	XLOC_044101	35013696	35013959	+	1	SPL6	CUFF.9509	OS03T08333(i		TSS4685	3.721E-34
chr3	TCONS_00055006	XLOC_044118	35097611	35098072	+	1	NCRNA_5249	CUFF.9508	NCRNA_5249(x		TSS4687	4.293E-21
chr3	TCONS_00055008	XLOC_044126	35133859	35134100	+	1	NA	CUFF.9511	NA	u	TSS4688	5.596E-40
chr3	TCONS_00049152	XLOC_044148	35257876	35258204	+	1	OS03G0839000	CUFF.7376	OS03T08390(i		TSS4690	7.226E-54
chr3	TCONS_00055011	XLOC_044151	35262195	35262582	+	1	OS03G0839100	CUFF.9531	OS03T08391(i		TSS4690	5.961E-15
chr3	TCONS_00049158	XLOC_044155	35306306	35306544	+	1	NA	CUFF.7375	NA	u	TSS4691	2.373E-22
chr3	TCONS_00055016	XLOC_044161	35347875	35348303	+	1	NA	CUFF.9527	NA	u	TSS4691	7.264E-12
chr3	TCONS_00055017	XLOC_044163	35381209	35381531	+	1	OS03G0841600	CUFF.9540	OS03T08416(x		TSS4691	9.09E-07
chr3	TCONS_00049161	XLOC_044164	35382425	35382667	+	1	NA	CUFF.7381	NA	u	TSS4691	1.232E-16
chr3	TCONS_00049175	XLOC_044179	35433835	35434055	+	1	OS03G0843100	CUFF.7387	OS03T08431(x		TSS4693	0
chr3	TCONS_00049193	XLOC_044194	35555956	35556179	+	1	OS03G0845500	CUFF.7392	OS03T08455(x		TSS4695	1.463E-38

chr3	TCONS_00055033	XLOC_044280	36193595	36193806	+	1	OS03G0857750	CUFF.9582 OS03T08577(x	TSS4704	9.158E-23
chr3	TCONS_00049287	XLOC_044284	36212356	36212575	+	1	NA	CUFF.7414 NA u	TSS4705	1.979E-29
chr3	TCONS_00049293	XLOC_044289	36244960	36245287	+	1	OS03G0858700	CUFF.7419 OS03T08587(x	TSS4705	1.746E-39
chr3	TCONS_00049330	XLOC_044327	83195	83431	-	1	NA	CUFF.5782 NA u	TSS4709	0
chr3	TCONS_00055045	XLOC_044328	84010	84214	-	1	OS03G0100500	CUFF.7457 OS03T01005(x	TSS4709	9.952E-87
chr3	TCONS_00055049	XLOC_044354	264395	264990	-	1	OS03G0103700	CUFF.7472 OS03T01037(x	TSS4712	0.17714
chr3	TCONS_00055050	XLOC_044355	265383	265776	-	1	NA	CUFF.7466 NA u	TSS4712	0.0007261
chr3	TCONS_00049356	XLOC_044357	266153	266530	-	1	NA	CUFF.5787 NA u	TSS4713	5.54E-17
chr3	TCONS_00055052	XLOC_044357	266092	266320	-	1	NA	CUFF.7470 NA u	TSS4712	1.501E-13
chr3	TCONS_00055053	XLOC_044357	266492	266944	-	1	NA	CUFF.7468 NA u	TSS4713	2.351E-34
chr3	TCONS_00049385	XLOC_044383	445245	445890	-	1	NA	CUFF.5795 NA u	TSS4716	0.0016092
chr3	TCONS_00055055	XLOC_044383	445065	445279	-	1	NA	CUFF.7485 NA u	TSS4715	2.165E-14
chr3	TCONS_00055058	XLOC_044385	447110	447439	-	1	NA	CUFF.7479 NA u	TSS4716	0.0001868
chr3	TCONS_00049420	XLOC_044416	599968	600169	-	1	NA	CUFF.5804 NA u	TSS4719	0
chr3	TCONS_00049433	XLOC_044433	702200	702418	-	1	OS03G0112101	CUFF.5813 OS03T01121(x	TSS4721	6.776E-44
chr3	TCONS_00055067	XLOC_044433	702331	702633	-	1	OS03G0112101	CUFF.7512 OS03T01121(i	TSS4721	1.965E-34
chr3	TCONS_00055069	XLOC_044438	707334	707667	-	1	OS03G0112400	CUFF.7515 OS03T01124(i	TSS4722	3.718E-24
chr3	TCONS_00055071	XLOC_044440	712331	712545	-	1	NA	CUFF.7502 NA u	TSS4722	1.335E-33
chr3	TCONS_00055072	XLOC_044441	713065	713717	-	1	NA	CUFF.7504 NA u	TSS4722	2.624E-17
chr3	TCONS_00055073	XLOC_044442	715044	715249	-	1	NA	CUFF.7510 NA u	TSS4722	2.981E-58
chr3	TCONS_00055074	XLOC_044444	716762	717658	-	1	NA	CUFF.7507 NA u	TSS4722	1.44E-07
chr3	TCONS_00049449	XLOC_044455	777192	777413	-	1	NA	CUFF.5818 NA u	TSS4723	7.859E-42
chr3	TCONS_00049470	XLOC_044476	923591	924013	-	1	OS03G0116300	CUFF.5841 OS03T01163(i	TSS4726	0
chr3	TCONS_00055079	XLOC_044476	923512	923784	-	1	OS03G0116300	CUFF.7526 OS03T01163(i	TSS4726	6.174E-32
chr3	TCONS_00049492	XLOC_044499	1055192	1055418	-	1	NA	CUFF.5831 NA u	TSS4728	3.46E-27
chr3	TCONS_00049495	XLOC_044504	1058908	1059166	-	1	NA	CUFF.5846 NA u	TSS4729	3.723E-69
chr3	TCONS_00055091	XLOC_044513	1066290	1066577	-	1	NA	CUFF.7550 NA u	TSS4730	0.60661
chr3	TCONS_00055092	XLOC_044514	1066755	1066985	-	1	NA	CUFF.7554 NA u	TSS4730	6.604E-06
chr3	TCONS_00049526	XLOC_044538	1219375	1219727	-	1	NA	CUFF.5854 NA u	TSS4733	6.272E-20
chr3	TCONS_00049539	XLOC_044551	1356469	1356782	-	1	OS03G0123800	CUFF.5859 OS03T01238(x	TSS4734	7.002E-10
chr3	TCONS_00055101	XLOC_044588	1628566	1628867	-	1	OS03G0128700	CUFF.7620 OS03T01287(i	TSS4738	2.38E-16
chr3	TCONS_00049604	XLOC_044610	1753600	1753813	-	1	OS03G0130800	CUFF.5887 OS03T01308(i	TSS4741	2.074E-19
chr3	TCONS_00055108	XLOC_044621	1833329	1833536	-	1	NA	CUFF.7622 NA u	TSS4742	1.136E-14
chr3	TCONS_00049649	XLOC_044655	2063530	2063770	-	1	NA	CUFF.5905 NA u	TSS4745	1.738E-21
chr3	TCONS_00055112	XLOC_044664	2144095	2144868	-	1	OS03G0139100	CUFF.7673 OS03T01391(i	TSS4746	2.844E-70

chr3	TCONS_00049667	XLOC_044673	2249910	2250222	-	1	OS03G0140700	CUFF.5910	OS03T01407(x	TSS4747	4.923E-65	
chr3	TCONS_00049670	XLOC_044676	2274439	2274665	-	1	OS03G0141200	CUFF.5911	OS03T01412(i	TSS4748	2.98E-24	
chr3	TCONS_00049672	XLOC_044678	2337797	2338018	-	1	OS03G0142500	CUFF.7647	OS03T01425(i	TSS4748	4.766E-28	
chr3	TCONS_00055115	XLOC_044679	2338504	2338712	-	1	OS03G0142500	CUFF.7649	OS03T01425(i	TSS4748	9.725E-74	
chr3	TCONS_00055116	XLOC_044686	2394448	2394667	-	1	OS03G0143200	CUFF.7645	OS03T01432(x	TSS4749	1.168E-26	
chr3	TCONS_00055121	XLOC_044708	2490188	2490437	-	1	NA	CUFF.7656	NA	u	TSS4751	1.508E-30
chr3	TCONS_00055122	XLOC_044716	2537973	2538309	-	1	NA	CUFF.7658	NA	u	TSS4752	3.721E-34
chr3	TCONS_00055131	XLOC_044748	2639303	2639514	-	1	NA	CUFF.7682	NA	u	TSS4755	9.158E-23
chr3	TCONS_00055132	XLOC_044749	2639766	2639977	-	1	NA	CUFF.7681	NA	u	TSS4755	3.718E-24
chr3	TCONS_00055135	XLOC_044774	2836332	2836596	-	1	OS03G0151300	CUFF.7696	OS03T01513(i	TSS4758	5.104E-61	
chr3	TCONS_00055136	XLOC_044776	2838410	2838801	-	1	NA	CUFF.7691	NA	u	TSS4758	1.361E-38
chr3	TCONS_00049809	XLOC_044827	3092495	3092702	-	1	OS03G0157500	CUFF.5958	OS03T01575(x	TSS4763	0	
chr3	TCONS_00055145	XLOC_044839	3173703	3174249	-	1	OS03G0159200	CUFF.7720	OS03T01592(x	TSS4765	4.766E-28	
chr3	TCONS_00049823	XLOC_044842	3190168	3190390	-	1	NA	CUFF.5963	NA	u	TSS4765	1.049E-32
chr3	TCONS_00055146	XLOC_044845	3209283	3209565	-	1	OS03G0160200	CUFF.7722	OS03T01602(x	TSS4765	5.772E-84	
chr3	TCONS_00055149	XLOC_044892	3617266	3617722	-	1	OS03G0166800	CUFF.7750	OS03T01668(i	TSS4770	4.293E-21	
chr3	TCONS_00055154	XLOC_044930	3837507	3837732	-	1	NA	CUFF.7757	NA	u	TSS4775	0.01177
chr3	TCONS_00049944	XLOC_044952	4016832	4017069	-	1	NA	CUFF.6005	NA	u	TSS4777	1.594E-22
chr3	TCONS_00049955	XLOC_044963	4082880	4083347	-	1	OS03G0177000	CUFF.6012	OS03T01770(x	TSS4778	1.004E-35	
chr3	TCONS_00049958	XLOC_044966	4094711	4095004	-	1	REFA1	CUFF.7311	OS03T01774(i	TSS4779	0	
chr3	TCONS_00049978	XLOC_044984	4206450	4206773	-	1	OS03G0180300	CUFF.6022	OS03T01803(i	TSS4781	5.298E-17	
chr3	TCONS_00049986	XLOC_044991	4249817	4250019	-	1	OS03G0181100	CUFF.6021	OS03T01811(x	TSS4781	4.455E-39	
chr3	TCONS_00055163	XLOC_045016	4414442	4414687	-	1	PDS	CUFF.7804	OS03T01840(x	TSS4784	6.879E-13	
chr3	TCONS_00055165	XLOC_045019	4430799	4431041	-	1	OS03G0184300	CUFF.7807	OS03T01843(i	TSS4784	2.217E-31	
chr3	TCONS_00055168	XLOC_045029	4487972	4488733	-	1	OS03G0185500	CUFF.7805	OS03T01855(x	TSS4785	2.863E-13	
chr3	TCONS_00050032	XLOC_045035	4554191	4554446	-	1	NA	CUFF.6032	NA	u	TSS4786	1.053E-73
chr3	TCONS_00055170	XLOC_045035	4554240	4554496	-	1	NA	CUFF.7808	NA	u	TSS4786	2.101E-37
chr3	TCONS_00055171	XLOC_045036	4559270	4559630	-	1	OS03G0187100	CUFF.7811	OS03T01871(x	TSS4786	2.348E-26	
chr3	TCONS_00055173	XLOC_045042	4597411	4597678	-	1	OS03G0187700	CUFF.7813	OS03T01877(i	TSS4787	4.203E-26	
chr3	TCONS_00050049	XLOC_045053	4661952	4662172	-	1	NA	CUFF.6042	NA	u	TSS4788	3.992E-68
chr3	TCONS_00050050	XLOC_045054	4662643	4662856	-	1	NA	CUFF.6040	NA	u	TSS4788	0
chr3	TCONS_00050051	XLOC_045055	4662908	4663224	-	1	NA	CUFF.6041	NA	u	TSS4788	6.004E-85
chr3	TCONS_00050066	XLOC_045070	4764920	4765130	-	1	OS03G0191400	CUFF.6052	OS03T01914(x	TSS4790	0	
chr3	TCONS_00055174	XLOC_045081	4818752	4819025	-	1	BIPP2C1	CUFF.7851	OS03T01925(i	TSS4791	0.0007261	
chr3	TCONS_00055175	XLOC_045084	4838338	4838859	-	1	NA	CUFF.7826	NA	u	TSS4791	2.154E-11

chr3	TCONS_00055177	XLOC_045087	4840054	4840254	-	1	NA	CUFF.7828 NA	u	TSS4792	3.258E-32
chr3	TCONS_00055178	XLOC_045088	4841456	4841825	-	1	NA	CUFF.7827 NA	u	TSS4792	4.872E-05
chr3	TCONS_00055182	XLOC_045105	4910886	4911241	-	1	OS03G0194500	CUFF.7845 OS03T01945(x		TSS4793	5.694E-16
chr3	TCONS_00050101	XLOC_045108	4926813	4927050	-	1	NA	CUFF.6059 NA	u	TSS4794	9.688E-29
chr3	TCONS_00050182	XLOC_045186	5424662	5424934	-	1	NA	CUFF.6092 NA	u	TSS4802	0
chr3	TCONS_00050183	XLOC_045187	5426610	5426817	-	1	NA	CUFF.6094 NA	u	TSS4802	1.713E-52
chr3	TCONS_00050184	XLOC_045188	5427027	5427255	-	1	NA	CUFF.6090 NA	u	TSS4802	9.345E-20
chr3	TCONS_00055196	XLOC_045228	5675979	5676184	-	1	OS03G0208700	CUFF.7891 OS03T02087(x		TSS4807	2.638E-18
chr3	TCONS_00055202	XLOC_045263	5912540	5912780	-	1	OS03G0213300	CUFF.7919 OS03T02133(i		TSS4810	1.283E-05
chr3	TCONS_00055205	XLOC_045302	6229660	6229940	-	1	OS03G0218300	CUFF.7928 OS03T02183(x		TSS4815	0.024257
chr3	TCONS_00050301	XLOC_045303	6230216	6231094	-	1	NA	CUFF.6135 NA	u	TSS4815	6.796E-21
chr3	TCONS_00050316	XLOC_045315	6283197	6283401	-	1	OS03G0219500	CUFF.6139 OS03T02195(i		TSS4816	0
chr3	TCONS_00055210	XLOC_045321	6327805	6328161	-	1	OS03G0220700	CUFF.7938 OS03T02207(i		TSS4817	0.025115
chr3	TCONS_00055211	XLOC_045322	6332798	6333145	-	1	OS03G0220700	CUFF.7961 OS03T02207(i		TSS4817	1.295E-64
chr3	TCONS_00050350	XLOC_045349	6538964	6539207	-	1	HSFA9	CUFF.6155 OS03T02247(i		TSS4820	5.434E-47
chr3	TCONS_00055217	XLOC_045349	6538415	6539137	-	1	HSFA9	CUFF.7959 OS03T02247(i		TSS4820	9.164E-17
chr3	TCONS_00050351	XLOC_045350	6541414	6541979	-	1	NCRNA_1003	CUFF.6156 NCRNA_100:x		TSS4820	4.115E-12
chr3	TCONS_00055222	XLOC_045361	6585063	6585315	-	1	NA	CUFF.7953 NA	u	TSS4821	4.872E-05
chr3	TCONS_00055223	XLOC_045363	6592192	6592575	-	1	OS03G0225700	CUFF.7963 OS03T02257(i		TSS4822	3.718E-24
chr3	TCONS_00050376	XLOC_045377	6755549	6756137	-	1	OS03G0227800	CUFF.6174 OS03T02278(x		TSS4823	1.163E-10
chr3	TCONS_00050385	XLOC_045387	6788243	6788466	-	1	OS03G0228500	CUFF.6166 OS03T02285(i		TSS4824	1.356E-15
chr3	TCONS_00050386	XLOC_045389	6792520	6792760	-	1	NA	CUFF.6160 NA	u	TSS4824	1.463E-23
chr3	TCONS_00055226	XLOC_045402	6899708	6899918	-	1	NA	CUFF.7972 NA	u	TSS4826	4.293E-21
chr3	TCONS_00055227	XLOC_045403	6903000	6903393	-	1	OS03G0230500	CUFF.7974 OS03T02305(i		TSS4826	3.796E-39
chr3	TCONS_00055228	XLOC_045405	6932081	6932318	-	1	OS03G0231000	CUFF.7975 OS03T02310(x		TSS4826	1.388E-11
chr3	TCONS_00055232	XLOC_045445	7226849	7227266	-	1	OS03G0237000	CUFF.7989 OS03T02370(i		TSS4830	1.549E-20
chr3	TCONS_00055235	XLOC_045476	7476947	7477168	-	1	OS03G0241200	CUFF.7998 OS03T02412(i		TSS4834	0.005791
chr3	TCONS_00055245	XLOC_045544	7982808	7983235	-	1	OS03G0251500	CUFF.8036 OS03T02515(i		TSS4841	1.361E-38
chr3	TCONS_00050567	XLOC_045558	8154250	8154516	-	1	OS03G0254400	CUFF.6216 OS03T02544(x		TSS4843	0
chr3	TCONS_00050606	XLOC_045593	8459670	8459890	-	1	OS03G0260600	CUFF.6228 OS03T02606(i		TSS4847	5.288E-42
chr3	TCONS_00055251	XLOC_045619	8668172	8668659	-	1	OS03G0263700	CUFF.8071 OS03T02637(x		TSS4850	2.26E-21
chr3	TCONS_00055252	XLOC_045620	8668869	8669353	-	1	OS03G0263700	CUFF.8075 OS03T02637(i		TSS4850	0.51256
chr3	TCONS_00050658	XLOC_045644	8852515	8853061	-	1	OS03G0267500	CUFF.6251 OS03T02675(i		TSS4852	3.505E-59
chr3	TCONS_00055259	XLOC_045670	9134758	9135031	-	1	OS03G0272300	CUFF.8096 OS03T02723(x		TSS4855	1.388E-11
chr3	TCONS_00055262	XLOC_045683	9251368	9251597	-	1	OS03G0274300	CUFF.8107 OS03T02743(i		TSS4856	5.016E-18

chr3	TCONS_00050726	XLOC_045704	9403533	9404211	-	1	OS03G0277100	CUFF.6275	OS03T02771(x	TSS4859	0	
chr3	TCONS_00050736	XLOC_045714	9445601	9445820	-	1	OS03G0278200	CUFF.6281	OS03T02782(i	TSS4860	9.642E-50	
chr3	TCONS_00050760	XLOC_045739	9592711	9592916	-	1	OS03G0280700	CUFF.6284	OS03T02807(i	TSS4862	3.765E-36	
chr3	TCONS_00050814	XLOC_045790	9873551	9874076	-	1	OS03G0286300	CUFF.6304	OS03T02863(i	TSS4868	0	
chr3	TCONS_00050816	XLOC_045792	9875305	9876012	-	1	OS03G0286300	CUFF.6307	OS03T02863(i	TSS4868	0	
chr3	TCONS_00050822	XLOC_045798	9938425	9938659	-	1	OS03G0287500	CUFF.6300	OS03T02875(i	TSS4869	1.561E-32	
chr3	TCONS_00055273	XLOC_045798	9938622	9938827	-	1	OS03G0287500	CUFF.8146	OS03T02875(i	TSS4869	1.17E-31	
chr3	TCONS_00055274	XLOC_045801	9947744	9948030	-	1	OS03G0287800	CUFF.8145	OS03T02878(i	TSS4869	1.959E-24	
chr3	TCONS_00055281	XLOC_045812	10011858	10012186	-	1	NA	CUFF.8141	NA	u	TSS4870	4.257E-36
chr3	TCONS_00050830	XLOC_045813	10012394	10012607	-	1	NA	CUFF.6310	NA	u	TSS4870	4.811E-71
chr3	TCONS_00055286	XLOC_045837	10213275	10213505	-	1	NA	CUFF.8160	NA	u	TSS4873	5.016E-18
chr3	TCONS_00050860	XLOC_045846	10258961	10259258	-	1	OS03G0294200	CUFF.6332	OS03T02942(x	TSS4874	4.929E-40	
chr3	TCONS_00050861	XLOC_045847	10266331	10266536	-	1	OS03G0294200	CUFF.6333	OS03T02942(x	TSS4874	2.456E-75	
chr3	TCONS_00055294	XLOC_045903	10609127	10609580	-	1	OS03G0301400	CUFF.8188	OS03T03014(i	TSS4880	2.638E-18	
chr3	TCONS_00055295	XLOC_045908	10646493	10646762	-	1	OS03G0301950	CUFF.8189	OS03T03019(x	TSS4880	6.522E-60	
chr3	TCONS_00055297	XLOC_045939	10914514	10914774	-	1	OS03G0307000	CUFF.8205	OS03T03070(i	TSS4884	7.656E-49	
chr3	TCONS_00055303	XLOC_045994	11375514	11375969	-	1	NA	CUFF.8669	NA	u	TSS4890	1.583E-71
chr3	TCONS_00055304	XLOC_045995	11376341	11376818	-	1	NA	CUFF.8671	NA	u	TSS4890	2.469E-51
chr3	TCONS_00051007	XLOC_045996	11408159	11408396	-	1	NA	CUFF.6380	NA	u	TSS4890	5.54E-17
chr3	TCONS_00051025	XLOC_046013	11522931	11523783	-	1	CAM1-1	CUFF.6396	OS03T03193(x	TSS4892	4.208E-53	
chr3	TCONS_00051050	XLOC_046034	11675339	11675552	-	1	OS03G0322500	CUFF.6399	OS03T03225(i	TSS4894	1.219E-68	
chr3	TCONS_00055306	XLOC_046037	11695051	11695555	-	1	OS03G0322800	CUFF.8861	OS03T03228(i	TSS4894	2.02E-19	
chr3	TCONS_00051056	XLOC_046041	11713063	11713297	-	1	CHLH	CUFF.6398	OS03T03232(i	TSS4895	3.192E-33	
chr3	TCONS_00055308	XLOC_046076	11996972	11997191	-	1	NA	CUFF.8258	NA	u	TSS4898	0.0001868
chr3	TCONS_00055311	XLOC_046083	12004983	12005652	-	1	NA	CUFF.8260	NA	u	TSS4899	2.044E-06
chr3	TCONS_00055312	XLOC_046084	12006300	12006638	-	1	OS03G0328000	CUFF.8266	OS03T03280(x	TSS4899	0.024257	
chr3	TCONS_00051150	XLOC_046137	12465054	12465254	-	1	OS03G0336300	CUFF.6439	OS03T03363(i	TSS4905	0	
chr3	TCONS_00055325	XLOC_046158	12696618	12696839	-	1	OS03G0340900	CUFF.8315	OS03T03409(i	TSS4907	5.765E-45	
chr3	TCONS_00051175	XLOC_046160	12703147	12703347	-	1	OS03G0340900	CUFF.6448	OS03T03409(x	TSS4907	0	
chr3	TCONS_00055326	XLOC_046204	12986804	12987101	-	1	ABH1	CUFF.8330	OS03T03472(x	TSS4912	7.048E-34	
chr3	TCONS_00055327	XLOC_046222	13163669	13163968	-	1	OS03G0351300	CUFF.8332	OS03T03513(x	TSS4914	0	
chr3	TCONS_00055328	XLOC_046233	13240844	13241046	-	1	NA	CUFF.8338	NA	u	TSS4915	1.326E-28
chr3	TCONS_00055329	XLOC_046236	13241627	13241835	-	1	NA	CUFF.8342	NA	u	TSS4915	5.016E-18
chr3	TCONS_00055331	XLOC_046239	13242855	13243097	-	1	NA	CUFF.8340	NA	u	TSS4916	3.718E-24
chr3	TCONS_00055332	XLOC_046240	13243373	13243595	-	1	NA	CUFF.8341	NA	u	TSS4916	7.869E-14

chr3	TCONS_00051314	XLOC_046294	13881137	13881360	-	1	OS03G0358100	CUFF.6499	OS03T03581(i	TSS4922	1.062E-37	
chr3	TCONS_00055340	XLOC_046310	13979002	13979238	-	1	OS03G0359700	CUFF.8381	OS03T03597(i	TSS4923	1.399E-43	
chr3	TCONS_00051378	XLOC_046351	14316339	14316547	-	1	NA	CUFF.6511	NA	u	TSS4927	6.102E-79
chr3	TCONS_00055343	XLOC_046355	14323112	14323323	-	1	OS03G0366200	CUFF.8388	OS03T03662(x	TSS4928	7.847E-45	
chr3	TCONS_00051394	XLOC_046371	14432541	14432744	-	1	OS03G0367900	CUFF.6530	OS03T03679(i	TSS4930	1.991E-61	
chr3	TCONS_00055347	XLOC_046382	14526886	14527219	-	1	OS03G0370000	CUFF.8401	OS03T03700(i	TSS4931	3.624E-65	
chr3	TCONS_00055348	XLOC_046391	14661520	14661738	-	1	OS03G0372500	CUFF.8407	OS03T03725(i	TSS4932	7.393E-44	
chr3	TCONS_00051414	XLOC_046392	14663543	14663749	-	1	OS03G0372500	CUFF.6532	OS03T03725(i	TSS4932	0	
chr3	TCONS_00051425	XLOC_046403	14729363	14729694	-	1	OS03G0374400	CUFF.6533	OS03T03744(i	TSS4933	0.42661	
chr3	TCONS_00051426	XLOC_046404	14729846	14730273	-	1	OS03G0374400	CUFF.6534	OS03T03744(i	TSS4933	1.724E-36	
chr3	TCONS_00055356	XLOC_046447	15067530	15067857	-	1	NA	CUFF.8417	NA	u	TSS4938	4.257E-36
chr3	TCONS_00055357	XLOC_046448	15068591	15068791	-	1	NA	CUFF.8415	NA	u	TSS4938	3.249E-27
chr3	TCONS_00055359	XLOC_046457	15160124	15160664	-	1	NA	CUFF.8422	NA	u	TSS4939	1.991E-12
chr3	TCONS_00051499	XLOC_046480	15412473	15412816	-	1	NA	CUFF.6545	NA	u	TSS4941	2.637E-06
chr3	TCONS_00055362	XLOC_046480	15412475	15412633	-	1	NA	CUFF.8428	NA	u	TSS4941	0.012046
chr3	TCONS_00055363	XLOC_046482	15414606	15414868	-	1	NA	CUFF.8429	NA	u	TSS4941	0.01177
chr3	TCONS_00055364	XLOC_046482	15415047	15415564	-	1	NA	CUFF.8432	NA	u	TSS4941	1.553E-13
chr3	TCONS_00051505	XLOC_046485	15419590	15419815	-	1	NA	CUFF.6553	NA	u	TSS4942	3.233E-38
chr3	TCONS_00055371	XLOC_046498	15503361	15503869	-	1	NA	CUFF.8437	NA	u	TSS4943	6.268E-22
chr3	TCONS_00051519	XLOC_046499	15504131	15504424	-	1	NA	CUFF.6561	NA	u	TSS4943	0
chr3	TCONS_00051546	XLOC_046526	15641648	15641874	-	1	OS03G0390400	CUFF.6576	OS03T03904(i	TSS4946	5.832E-57	
chr3	TCONS_00055374	XLOC_046526	15641434	15641704	-	1	OS03G0390400	CUFF.8470	OS03T03904(i	TSS4946	6.161E-27	
chr3	TCONS_00055375	XLOC_046528	15645893	15646338	-	1	H3	CUFF.8467	OS03T03906(i	TSS4946	9.541E-18	
chr3	TCONS_00051606	XLOC_046580	15960935	15961470	-	1	NA	CUFF.6586	NA	u	TSS4952	5.061E-12
chr3	TCONS_00055380	XLOC_046580	15960549	15961357	-	1	NA	CUFF.8469	NA	u	TSS4952	7.578E-05
chr3	TCONS_00055382	XLOC_046584	15993232	15993605	-	1	NA	CUFF.8468	NA	u	TSS4953	1.339E-23
chr3	TCONS_00055383	XLOC_046626	16286901	16287563	-	1	OS03G0401100	CUFF.8484	OS03T04011(i	TSS4957	1.991E-12	
chr3	TCONS_00055386	XLOC_046656	16658019	16658223	-	1	OS03G0406200	CUFF.8501	OS03T04062(x	TSS4960	2.529E-33	
chr3	TCONS_00055390	XLOC_046680	16790639	16790878	-	1	NA	CUFF.8503	NA	u	TSS4963	2.943E-20
chr3	TCONS_00055393	XLOC_046701	16965836	16966592	-	1	OS03G0411100	CUFF.8516	OS03T04111(i	TSS4965	2.576E-38	
chr3	TCONS_00055394	XLOC_046702	16968072	16968362	-	1	OS03G0411100	CUFF.8525	OS03T04111(i	TSS4965	5.016E-18	
chr3	TCONS_00055395	XLOC_046705	17000132	17000435	-	1	OS03G0411600	CUFF.8515	OS03T04116(i	TSS4966	5.418E-30	
chr3	TCONS_00051734	XLOC_046706	17000565	17000781	-	1	OS03G0411600	CUFF.6622	OS03T04116(i	TSS4966	0.0008649	
chr3	TCONS_00055396	XLOC_046707	17001441	17002328	-	1	NA	CUFF.8519	NA	u	TSS4966	1.339E-23
chr3	TCONS_00051745	XLOC_046716	17079405	17079610	-	1	OS03G0412900	CUFF.6626	OS03T04129(i	TSS4967	2.456E-75	

chr3	TCONS_00055397	XLOC_046718	17083952	17084235	-	1	OS03G0412900	CUFF.8520	OS03T04129(x	TSS4967	3.796E-39	
chr3	TCONS_00051787	XLOC_046753	17450466	17450843	-	1	OS03G0419100	CUFF.6645	OS03T04191(i	TSS4971	1.737E-09	
chr3	TCONS_00055399	XLOC_046786	17780588	17780833	-	1	OS03G0425800	CUFF.8563	OS03T04258(i	TSS4975	7.056E-24	
chr3	TCONS_00051825	XLOC_046787	17780940	17781180	-	1	OS03G0425800	CUFF.6652	OS03T04258(i	TSS4975	1.336E-34	
chr3	TCONS_00055400	XLOC_046787	17780997	17781236	-	1	OS03G0425800	CUFF.8566	OS03T04258(i	TSS4975	0	
chr3	TCONS_00055402	XLOC_046803	17939738	17939979	-	1	NA	CUFF.8560	NA	u	TSS4977	5.592E-20
chr3	TCONS_00051842	XLOC_046806	17990310	17990590	-	1	XDH	CUFF.6657	OS03T04298(i	TSS4977	2.178E-23	
chr3	TCONS_00055407	XLOC_046821	18133571	18133773	-	1	OS03G0431800	CUFF.8572	OS03T04318(i	TSS4978	7.187E-39	
chr3	TCONS_00055408	XLOC_046822	18142986	18143433	-	1	NA	CUFF.8568	NA	u	TSS4979	1.77E-31
chr3	TCONS_00055409	XLOC_046830	18208793	18209084	-	1	NA	CUFF.8576	NA	u	TSS4979	3.839E-19
chr3	TCONS_00055414	XLOC_046869	18587853	18588165	-	1	OS03G0439800	CUFF.8589	OS03T04398(i	TSS4983	1.991E-12	
chr3	TCONS_00055417	XLOC_046888	18885689	18885891	-	1	NA	CUFF.8585	NA	u	TSS4986	9.526E-05
chr3	TCONS_00055419	XLOC_046890	18890399	18890713	-	1	OS03G0444900	CUFF.8595	OS03T04449(x	TSS4986	1.136E-14	
chr3	TCONS_00055429	XLOC_047051	20874409	20874614	-	1	OS03G0572925	CUFF.8666	OS03T05729(x	TSS5003	2.542E-23	
chr3	TCONS_00052174	XLOC_047134	21683569	21683784	-	1	OS03G0587000	CUFF.6734	OS03T05870(i	TSS5011	2.85E-45	
chr3	TCONS_00052298	XLOC_047250	22829322	22829508	-	1	OS03G0607500	CUFF.8721	OS03T06075(x	TSS5023	0.0009954	
chr3	TCONS_00055436	XLOC_047306	23342189	23342430	-	1	OS03G0616400	CUFF.8730	OS03T06164(i	TSS5029	3.249E-27	
chr3	TCONS_00055447	XLOC_047414	24349085	24349330	-	1	NA	CUFF.8792	NA	u	TSS5040	7.056E-24
chr3	TCONS_00055448	XLOC_047428	24468627	24468971	-	1	OS03G0638400	CUFF.8801	OS03T06384(i	TSS5042	1.339E-23	
chr3	TCONS_00052489	XLOC_047429	24477123	24477326	-	1	OS03G0638800	CUFF.6848	OS03T06388(i	TSS5042	0	
chr3	TCONS_00055449	XLOC_047429	24477258	24477654	-	1	OS03G0638800	CUFF.8810	OS03T06388(i	TSS5042	3.718E-24	
chr3	TCONS_00052498	XLOC_047437	24521591	24521804	-	1	OS03G0639200	CUFF.6832	OS03T06392(i	TSS5043	6.294E-45	
chr3	TCONS_00052512	XLOC_047454	24594082	24594294	-	1	OS03G0639700	CUFF.6830	OS03T06397(x	TSS5045	4.093E-62	
chr3	TCONS_00055453	XLOC_047473	24731448	24731726	-	1	OS03G0641700	CUFF.8824	OS03T06417(i	TSS5047	1.059E-39	
chr3	TCONS_00055454	XLOC_047512	25035929	25036178	-	1	OS03G0646800	CUFF.8851	OS03T06468(i	TSS5051	1.635E-18	
chr3	TCONS_00055456	XLOC_047516	25038280	25038762	-	1	OS03G0646800	CUFF.8857	OS03T06468(i	TSS5051	2.869E-25	
chr3	TCONS_00055463	XLOC_047603	25635339	25635546	-	1	OS03G0657000	CUFF.8888	OS03T06570(i	TSS5060	1.069E-70	
chr3	TCONS_00055467	XLOC_047683	26319425	26319777	-	1	OS03G0668000	CUFF.8912	OS03T06680(x	TSS5069	9.52E-27	
chr3	TCONS_00052761	XLOC_047689	26339878	26340289	-	1	NA	CUFF.6897	NA	u	TSS5070	7.001E-60
chr3	TCONS_00052762	XLOC_047690	26340975	26341348	-	1	NA	CUFF.6895	NA	u	TSS5070	3.017E-11
chr3	TCONS_00055470	XLOC_047690	26340788	26340993	-	1	NA	CUFF.8910	NA	u	TSS5070	1.19E-21
chr3	TCONS_00055471	XLOC_047690	26341112	26341489	-	1	NA	CUFF.8914	NA	u	TSS5070	0.03754
chr3	TCONS_00055472	XLOC_047691	26363696	26363915	-	1	OS03G0668500	CUFF.8915	OS03T06685(i	TSS5070	1.562E-40	
chr3	TCONS_00055475	XLOC_047713	26518077	26518690	-	1	NA	CUFF.8922	NA	u	TSS5072	3.155E-47
chr3	TCONS_00055483	XLOC_047772	27095618	27095839	-	1	NA	CUFF.8945	NA	u	TSS5079	0.0001868

chr3	TCONS_00055484	XLOC_047773	27096734	27097180	-	1	NA	CUFF.8962 NA	u	TSS5079	6.187E-84
chr3	TCONS_00055485	XLOC_047774	27097461	27097827	-	1	NA	CUFF.8946 NA	u	TSS5079	0.002068
chr3	TCONS_00055487	XLOC_047778	27099778	27100346	-	1	NA	CUFF.8957 NA	u	TSS5080	1.795E-09
chr3	TCONS_00055488	XLOC_047779	27100556	27101181	-	1	NA	CUFF.8949 NA	u	TSS5080	5.815E-49
chr3	TCONS_00055489	XLOC_047780	27102281	27102579	-	1	NA	CUFF.8951 NA	u	TSS5080	9.077E-33
chr3	TCONS_00052861	XLOC_047787	27109933	27110277	-	1	OS03G0681300	CUFF.8963 OS03T06813(x		TSS5081	8.297E-19
chr3	TCONS_00052895	XLOC_047822	27336497	27336722	-	1	OS03G0685300	CUFF.6949 OS03T06853(i		TSS5084	7.189E-23
chr3	TCONS_00055501	XLOC_047857	27540875	27541328	-	1	NA	CUFF.8976 NA	u	TSS5088	3.311E-37
chr3	TCONS_00055503	XLOC_047900	27891895	27892173	-	1	OS03G0696300	CUFF.9003 OS03T06963(i		TSS5093	1.399E-43
chr3	TCONS_00052996	XLOC_047919	28046608	28046878	-	1	OS03G0699600	CUFF.6972 OS03T06996(i		TSS5095	0
chr3	TCONS_00055505	XLOC_047919	28046724	28046989	-	1	OS03G0699600	CUFF.9010 OS03T06996(i		TSS5095	5.183E-48
chr3	TCONS_00053013	XLOC_047941	28145110	28145497	-	1	OS03G0701200	CUFF.6983 OS03T07012(i		TSS5097	3.386E-18
chr3	TCONS_00053014	XLOC_047942	28146808	28147237	-	1	NA	CUFF.6974 NA	u	TSS5097	7.06E-28
chr3	TCONS_00055514	XLOC_047950	28181223	28181641	-	1	PIPK1	CUFF.9030 OS03T07018(x		TSS5098	2.043E-22
chr3	TCONS_00055517	XLOC_047970	28331074	28331394	-	1	OS03G0704700	CUFF.9043 OS03T07047(i		TSS5100	6.11E-54
chr3	TCONS_00055519	XLOC_047972	28332974	28333192	-	1	OS03G0704700	CUFF.9047 OS03T07047(i		TSS5100	1.339E-23
chr3	TCONS_00055526	XLOC_048040	28902833	28903107	-	1	OS03G0714400	CUFF.9069 OS03T07144(x		TSS5108	1.217E-41
chr3	TCONS_00055527	XLOC_048058	29065930	29066263	-	1	OS03G0717900	CUFF.9073 OS03T07179(x		TSS5110	1.335E-33
chr3	TCONS_00055530	XLOC_048077	29201124	29201379	-	1	OS03G0720300	CUFF.9110 OS03T07203(i		TSS5112	7.971E-54
chr3	TCONS_00053156	XLOC_048078	29250354	29250672	-	1	NA	CUFF.7027 NA	u	TSS5112	8.551E-21
chr3	TCONS_00055532	XLOC_048080	29251068	29251419	-	1	NA	CUFF.9088 NA	u	TSS5112	3.675E-06
chr3	TCONS_00055538	XLOC_048093	29267402	29267811	-	1	OS03G0721200	CUFF.9111 OS03T07212(i		TSS5114	3.839E-19
chr3	TCONS_00055539	XLOC_048099	29295895	29296293	-	1	NA	CUFF.9097 NA	u	TSS5114	5.016E-18
chr3	TCONS_00055546	XLOC_048124	29464251	29464453	-	1	NCRNA_20695	CUFF.9121 NCRNA_206(x		TSS5117	1.335E-33
chr3	TCONS_00055548	XLOC_048126	29470650	29470772	-	1	NA	CUFF.9119 NA	u	TSS5117	0.20934
chr3	TCONS_00055553	XLOC_048189	29940449	29940854	-	1	OS03G0731500	CUFF.9146 OS03T07315(i		TSS5124	2.02E-19
chr3	TCONS_00055555	XLOC_048210	30075970	30076209	-	1	NA	CUFF.9147 NA	u	TSS5126	8.061E-36
chr3	TCONS_00053311	XLOC_048238	30267874	30268270	-	1	NA	CUFF.7079 NA	u	TSS5129	1.061E-70
chr3	TCONS_00055558	XLOC_048238	30267718	30267983	-	1	NA	CUFF.9159 NA	u	TSS5129	5.183E-48
chr3	TCONS_00055561	XLOC_048240	30269178	30269721	-	1	NA	CUFF.9165 NA	u	TSS5129	4.732E-18
chr3	TCONS_00053314	XLOC_048241	30270266	30270850	-	1	NA	CUFF.7082 NA	u	TSS5130	2.79E-36
chr3	TCONS_00055562	XLOC_048241	30269975	30270267	-	1	NA	CUFF.9173 NA	u	TSS5129	0.024257
chr3	TCONS_00055564	XLOC_048241	30270811	30271136	-	1	NA	CUFF.9162 NA	u	TSS5130	8.187E-27
chr3	TCONS_00055566	XLOC_048246	30273810	30274044	-	1	NA	CUFF.9169 NA	u	TSS5130	0.98359
chr3	TCONS_00053321	XLOC_048247	30275272	30275549	-	1	NA	CUFF.7085 NA	u	TSS5130	2.074E-19

chr3	TCONS_00055570	XLOC_048250	30278018	30278462	-	1	NA	CUFF.9172	NA	u	TSS5131	1.865E-33
chr3	TCONS_00055571	XLOC_048251	30278582	30278818	-	1	NA	CUFF.9174	NA	u	TSS5131	0.01177
chr3	TCONS_00053343	XLOC_048270	30408152	30408951	-	1	OS03G0741100	CUFF.7107	OS03T07411(i		TSS5133	0
chr3	TCONS_00053344	XLOC_048271	30409655	30410086	-	1	NA	CUFF.7094	NA	u	TSS5133	1.783E-46
chr3	TCONS_00053376	XLOC_048301	30627933	30628327	-	1	OS03G0745400	CUFF.7127	OS03T07454(i		TSS5136	7.859E-42
chr3	TCONS_00053377	XLOC_048303	30632856	30633081	-	1	NA	CUFF.7120	NA	u	TSS5137	5.553E-31
chr3	TCONS_00053389	XLOC_048315	30760347	30760554	-	1	RCS3	CUFF.7137	OS03T07478(i		TSS5138	0
chr3	TCONS_00053391	XLOC_048317	30769836	30770045	-	1	OS03G0747900	CUFF.7133	OS03T07479(x		TSS5138	0
chr3	TCONS_00055579	XLOC_048321	30795598	30796047	-	1	OS03G0748200	CUFF.9227	OS03T07482(x		TSS5138	5.418E-30
chr3	TCONS_00055580	XLOC_048326	30828541	30828782	-	1	OS03G0748900	CUFF.9230	OS03T07489(i		TSS5139	8.626E-16
chr3	TCONS_00053399	XLOC_048327	30829205	30829444	-	1	OS03G0748900	CUFF.7136	OS03T07489(x		TSS5139	5.741E-21
chr3	TCONS_00053427	XLOC_048351	30951372	30951599	-	1	NA	CUFF.7143	NA	u	TSS5142	2.144E-28
chr3	TCONS_00055582	XLOC_048352	30955255	30955486	-	1	NA	CUFF.9237	NA	u	TSS5142	7.056E-24
chr3	TCONS_00053428	XLOC_048353	30955653	30955883	-	1	NA	CUFF.7142	NA	u	TSS5142	2.373E-22
chr3	TCONS_00053429	XLOC_048354	30956764	30957440	-	1	NA	CUFF.7145	NA	u	TSS5142	0
chr3	TCONS_00055585	XLOC_048362	31006119	31006519	-	1	NA	CUFF.9236	NA	u	TSS5143	1.512E-25
chr3	TCONS_00055586	XLOC_048363	31007526	31007769	-	1	OS03G0752100	CUFF.9239	OS03T07521(x		TSS5143	6.161E-27
chr3	TCONS_00053438	XLOC_048367	31024997	31025199	-	1	NA	CUFF.7146	NA	u	TSS5143	0
chr3	TCONS_00055589	XLOC_048438	31282289	31282499	-	1	OS03G0757000	CUFF.9256	OS03T07570(x		TSS5151	1.576E-58
chr3	TCONS_00055593	XLOC_048464	31377520	31378211	-	1	OS03G0758600	CUFF.9270	OS03T07586(x		TSS5154	2.95E-10
chr3	TCONS_00053576	XLOC_048483	31504114	31504524	-	1	OS03G0761900	CUFF.7175	OS03T07619(x		TSS5156	0
chr3	TCONS_00055597	XLOC_048501	31652854	31653102	-	1	NA	CUFF.9272	NA	u	TSS5157	0.01177
chr3	TCONS_00055598	XLOC_048502	31653804	31654007	-	1	NA	CUFF.9274	NA	u	TSS5158	2.638E-18
chr3	TCONS_00055600	XLOC_048508	31679286	31679756	-	1	NA	CUFF.9276	NA	u	TSS5158	2.38E-16
chr3	TCONS_00053619	XLOC_048529	31809469	31809740	-	1	NA	CUFF.7189	NA	u	TSS5160	1.723E-35
chr3	TCONS_00055603	XLOC_048543	31868052	31868562	-	1	NA	CUFF.9292	NA	u	TSS5162	3.249E-27
chr3	TCONS_00053674	XLOC_048587	32209113	32209494	-	1	OS03G0776900	CUFF.7220	OS03T07769(x		TSS5166	2.74E-16
chr3	TCONS_00055609	XLOC_048587	32209336	32209643	-	1	OS03G0776900	CUFF.9317	OS03T07769(i		TSS5167	7.869E-14
chr3	TCONS_00055610	XLOC_048588	32210383	32210583	-	1	OS03G0776900	CUFF.9314	OS03T07769(x		TSS5167	3.906E-44
chr3	TCONS_00055611	XLOC_048589	32210770	32211039	-	1	OS03G0776900	CUFF.9315	OS03T07769(x		TSS5167	8.155E-21
chr3	TCONS_00055614	XLOC_048597	32267657	32267954	-	1	OS03G0778000	CUFF.9335	OS03T07780(x		TSS5168	7.656E-49
chr3	TCONS_00053722	XLOC_048634	32449483	32449692	-	1	ARP7	CUFF.7233	OS03T07830(x		TSS5171	8.914E-85
chr3	TCONS_00055619	XLOC_048643	32556955	32557435	-	1	OS03G0784400	CUFF.9347	OS03T07844(i		TSS5172	8.626E-16
chr3	TCONS_00055620	XLOC_048657	32624889	32625617	-	1	OS03G0786000	CUFF.9350	OS03T07860(i		TSS5174	0.21005
chr3	TCONS_00053787	XLOC_048701	32865061	32865267	-	1	OS03G0790600	CUFF.7257	OS03T07906(x		TSS5179	1.78E-57

chr3	TCONS_00055628	XLOC_048728	33035225	33035499	-	1	OS03G0794200	CUFF.9373 OS03T07942(x	TSS5182	1.19E-21
chr3	TCONS_00055631	XLOC_048741	33106719	33107069	-	1	HSFA2E	CUFF.9386 OS03T07959(x	TSS5183	9.482E-43
chr3	TCONS_00055633	XLOC_048753	33186940	33187150	-	1	OS03G0796800	CUFF.9389 OS03T07968(x	TSS5184	1.136E-14
chr3	TCONS_00055634	XLOC_048762	33237036	33237362	-	1	NA	CUFF.9393 NA u	TSS5185	2.835E-15
chr3	TCONS_00053863	XLOC_048779	33330419	33330655	-	1	OS03G0799600	CUFF.7277 OS03T07996(i	TSS5187	3.19E-28
chr3	TCONS_00053877	XLOC_048796	33455402	33455771	-	1	OS03G0801900	CUFF.7282 OS03T08019(i	TSS5189	7.907E-09
chr3	TCONS_00053878	XLOC_048797	33456957	33457290	-	1	NA	CUFF.7280 NA u	TSS5189	1.856E-62
chr3	TCONS_00055644	XLOC_048798	33460115	33460331	-	1	NA	CUFF.9405 NA u	TSS5189	1.815E-17
chr3	TCONS_00055647	XLOC_048805	33510437	33510825	-	1	NA	CUFF.9418 NA u	TSS5190	1.339E-23
chr3	TCONS_00053924	XLOC_048842	33725887	33726548	-	1	NA	CUFF.7300 NA u	TSS5193	9.506E-18
chr3	TCONS_00055650	XLOC_048900	34215807	34216239	-	1	OS03G0816200	CUFF.9450 OS03T08162(x	TSS5200	6.161E-27
chr3	TCONS_00053988	XLOC_048901	34216578	34216792	-	1	OS03G0816200	CUFF.7316 OS03T08162(i	TSS5200	3.723E-69
chr3	TCONS_00054009	XLOC_048922	34332528	34332750	-	1	NA	CUFF.7320 NA u	TSS5202	9.093E-16
chr3	TCONS_00054015	XLOC_048928	34359551	34359754	-	1	OS03G0818800	CUFF.7326 OS03T08188(x	TSS5203	0
chr3	TCONS_00054026	XLOC_048939	34407901	34408107	-	1	OS03G0819900	CUFF.7328 OS03T08199(i	TSS5204	1.143E-77
chr3	TCONS_00055657	XLOC_048979	34632265	34632471	-	1	OS03G0824400	CUFF.9483 OS03T08244(i	TSS5208	1.19E-21
chr3	TCONS_00054145	XLOC_049050	35118348	35118685	-	1	OS03G0835800	CUFF.7363 OS03T08358(i	TSS5215	5.553E-31
chr3	TCONS_00055664	XLOC_049086	35285132	35285561	-	1	OS03G0839300	CUFF.9526 OS03T08393(x	TSS5219	0.25353
chr3	TCONS_00054255	XLOC_049152	35652617	35653091	-	1	NA	CUFF.7397 NA u	TSS5226	2.366E-24
chr3	TCONS_00055673	XLOC_049210	36077118	36077331	-	1	OEP24	CUFF.9577 OS03T08556(i	TSS5232	6.994E-29
chr3	TCONS_00054376	XLOC_049265	843450	843651	.	1	OS03G0114800	CUFF.5825 OS03T01148(i	TSS5238	7.632E-32
chr3	TCONS_00055686	XLOC_049279	11664581	11664781	.	1	NA	CUFF.8860 NA u	TSS5240	1.549E-20
chr3	TCONS_00054382	XLOC_049287	17348919	17349155	.	1	OS03G0417800	CUFF.6636 OS03T04178(i	TSS5240	1.563E-27
chr3	TCONS_00055703	XLOC_049304	34503966	34504172	.	1	OS03G0821900	CUFF.9485 OS03T08219(i	TSS5242	5.592E-20
chr4	TCONS_00064121	XLOC_049345	385733	386124	+	1	NA	CUFF.9609 NA u	TSS5246	2.507E-09
chr4	TCONS_00064123	XLOC_049380	710111	710506	+	1	OS04G0112200	CUFF.9624 OS04T01122(x	TSS5250	7.187E-39
chr4	TCONS_00055821	XLOC_049413	1009525	1009770	+	1	OS04G0117100	CUFF.7463 OS04T01171(i	TSS5254	2.272E-18
chr4	TCONS_00064126	XLOC_049425	1124076	1124480	+	1	OS04G0118900	CUFF.9639 OS04T01189(i	TSS5255	1.959E-24
chr4	TCONS_00064128	XLOC_049469	1568849	1569144	+	1	NCRNA_45870	CUFF.9670 NCRNA_458' x	TSS5260	1.516E-21
chr4	TCONS_00055883	XLOC_049471	1571494	1571756	+	1	OS04G0125700	CUFF.7484 OS04T01257(i	TSS5260	0
chr4	TCONS_00064129	XLOC_049475	1586732	1587144	+	1	NA	CUFF.9648 NA u	TSS5260	2.863E-13
chr4	TCONS_00064130	XLOC_049484	1677852	1678538	+	1	OS04G0126900	CUFF.9652 OS04T01269(i	TSS5261	0.75271
chr4	TCONS_00064131	XLOC_049485	1679416	1679618	+	1	OS04G0126900	CUFF.9653 OS04T01269(i	TSS5261	1.326E-28
chr4	TCONS_00064137	XLOC_049569	2501759	2501965	+	1	NA	CUFF.9675 NA u	TSS5270	1.027E-29
chr4	TCONS_00055991	XLOC_049581	2706158	2706385	+	1	NA	CUFF.7496 NA u	TSS5271	2.144E-28

chr4	TCONS_00055993	XLOC_049583	2730144	2730380	+	1	NA	CUFF.7497 NA	u	TSS5271	5.588E-26
chr4	TCONS_00064139	XLOC_049584	2735163	2735387	+	1	NA	CUFF.9677 NA	u	TSS5271	4.824E-23
chr4	TCONS_00064140	XLOC_049585	2756486	2756686	+	1	OS04G0140666	CUFF.9678 OS04T014066(i		TSS5272	3.249E-27
chr4	TCONS_00064141	XLOC_049610	3410735	3411159	+	1	NA	CUFF.9684 NA	u	TSS5274	4.101E-57
chr4	TCONS_00064148	XLOC_049731	4822022	4822291	+	1	OS04G0170500	CUFF.9720 OS04T01705(i		TSS5287	3.396E-42
chr4	TCONS_00056197	XLOC_049783	5484206	5484406	+	1	OS04G0180300	CUFF.7540 OS04T01803(x		TSS5292	0
chr4	TCONS_00064154	XLOC_049798	5638851	5639058	+	1	ETFB	CUFF.9744 OS04T01828(i		TSS5294	5.104E-61
chr4	TCONS_00056285	XLOC_049869	6480314	6481387	+	1	OS04G0194500	CUFF.7566 OS04T01945(x		TSS5301	3.764E-36
chr4	TCONS_00056305	XLOC_049887	6588313	6588548	+	1	NA	CUFF.7563 NA	u	TSS5303	1.274E-20
chr4	TCONS_00056306	XLOC_049888	6591775	6592178	+	1	NA	CUFF.7565 NA	u	TSS5303	1.356E-15
chr4	TCONS_00064159	XLOC_049905	6819368	6819760	+	1	NA	CUFF.9765 NA	u	TSS5305	1.815E-17
chr4	TCONS_00056333	XLOC_049916	6943626	6943859	+	1	NA	CUFF.7569 NA	u	TSS5306	1.837E-16
chr4	TCONS_00056349	XLOC_049932	7044796	7045008	+	1	NA	CUFF.7576 NA	u	TSS5308	3.646E-75
chr4	TCONS_00056362	XLOC_049945	7158858	7159063	+	1	OS04G0206600	CUFF.7582 OS04T02066(x		TSS5309	0
chr4	TCONS_00056441	XLOC_050022	8032369	8032729	+	1	NA	CUFF.7593 NA	u	TSS5317	3.935E-46
chr4	TCONS_00056463	XLOC_050044	8277341	8277865	+	1	NA	CUFF.7608 NA	u	TSS5319	2.492E-17
chr4	TCONS_00064166	XLOC_050050	8312079	8312429	+	1	OS04G0224900	CUFF.9810 OS04T02249(x		TSS5320	2.229E-54
chr4	TCONS_00056517	XLOC_050093	8852130	8852358	+	1	NA	CUFF.7620 NA	u	TSS5324	7.659E-27
chr4	TCONS_00064168	XLOC_050094	8852664	8852867	+	1	NA	CUFF.9818 NA	u	TSS5324	2.869E-25
chr4	TCONS_00056590	XLOC_050160	9329737	9329965	+	1	NA	CUFF.7624 NA	u	TSS5331	9.037E-25
chr4	TCONS_00064170	XLOC_050165	9367617	9367867	+	1	NA	CUFF.9830 NA	u	TSS5331	1.25E-16
chr4	TCONS_00064175	XLOC_050197	9915286	9915495	+	1	OS04G0252200	CUFF.9872 OS04T02522(i		TSS5335	4.639E-47
chr4	TCONS_00056662	XLOC_050242	10702961	10703161	+	1	NA	CUFF.7636 NA	u	TSS5339	0
chr4	TCONS_00064180	XLOC_050253	10985386	10985689	+	1	OS04G0266400	CUFF.9858 OS04T02664(i		TSS5340	1.063E-19
chr4	TCONS_00064188	XLOC_050307	11547842	11548150	+	1	NA	CUFF.9866 NA	u	TSS5346	2.02E-19
chr4	TCONS_00064191	XLOC_050334	11809636	11809846	+	1	OS04G0278900	CUFF.9888 OS04T02789(i		TSS5349	4.203E-26
chr4	TCONS_00064192	XLOC_050345	12036039	12036490	+	1	OS04G0282000	CUFF.9884 OS04T02820(i		TSS5350	4.359E-41
chr4	TCONS_00064194	XLOC_050360	12208571	12208777	+	1	NA	CUFF.9882 NA	u	TSS5352	2.638E-18
chr4	TCONS_00056783	XLOC_050361	12210017	12210217	+	1	NA	CUFF.7656 NA	u	TSS5352	0
chr4	TCONS_00056820	XLOC_050396	12546046	12546335	+	1	NA	CUFF.7669 NA	u	TSS5355	1.714E-86
chr4	TCONS_00056899	XLOC_050474	13513544	13513782	+	1	NA	CUFF.7682 NA	u	TSS5363	2.137E-60
chr4	TCONS_00056912	XLOC_050489	13641317	13641518	+	1	NA	CUFF.7685 NA	u	TSS5365	8.413E-63
chr4	TCONS_00064210	XLOC_050564	14453326	14453710	+	1	OS04G0316200	CUFF.9950 OS04T03162(x		TSS5373	0.0055829
chr4	TCONS_00057031	XLOC_050604	14822663	14822876	+	1	OS04G0321800	CUFF.7712 OS04T03218(i		TSS5377	3.488E-37
chr4	TCONS_00057130	XLOC_050702	16026297	16026525	+	1	NA	CUFF.7731 NA	u	TSS5387	5.132E-32

chr4	TCONS_00064217	XLOC_050704	16031157	16031362	+	1	NA	CUFF.9985 NA	u	TSS5387	1.19E-21
chr4	TCONS_00064218	XLOC_050705	16032255	16032457	+	1	NA	CUFF.9986 NA	u	TSS5387	1.335E-33
chr4	TCONS_00057134	XLOC_050710	16038703	16038925	+	1	NA	CUFF.7735 NA	u	TSS5388	5.616E-52
chr4	TCONS_00057135	XLOC_050712	16039298	16039537	+	1	NA	CUFF.7734 NA	u	TSS5388	0.012046
chr4	TCONS_00064224	XLOC_050713	16039783	16040036	+	1	NA	CUFF.9980 NA	u	TSS5388	2.217E-31
chr4	TCONS_00057136	XLOC_050714	16040389	16040710	+	1	NA	CUFF.7739 NA	u	TSS5389	4.403E-78
chr4	TCONS_00057137	XLOC_050715	16041597	16041811	+	1	NA	CUFF.7738 NA	u	TSS5389	8.469E-41
chr4	TCONS_00057139	XLOC_050719	16044069	16044441	+	1	NA	CUFF.7741 NA	u	TSS5389	1.764E-16
chr4	TCONS_00064228	XLOC_050719	16044182	16044528	+	1	NA	CUFF.9987 NA	u	TSS5389	0.33105
chr4	TCONS_00064236	XLOC_050763	16482361	16482718	+	1	NA	CUFF.9999 NA	u	TSS5394	1.168E-26
chr4	TCONS_00057178	XLOC_050764	16483160	16483406	+	1	NA	CUFF.7746 NA	u	TSS5394	4.606E-19
chr4	TCONS_00057228	XLOC_050814	16865403	16865647	+	1	NA	CUFF.7761 NA	u	TSS5399	9.093E-16
chr4	TCONS_00057229	XLOC_050815	16865867	16866164	+	1	NA	CUFF.7763 NA	u	TSS5399	6.603E-24
chr4	TCONS_00057230	XLOC_050816	16866247	16866867	+	1	NA	CUFF.7767 NA	u	TSS5399	4.377E-12
chr4	TCONS_00057231	XLOC_050817	16866928	16867520	+	1	NA	CUFF.7769 NA	u	TSS5399	0.32409
chr4	TCONS_00057232	XLOC_050818	16867628	16867954	+	1	NA	CUFF.7766 NA	u	TSS5400	4.455E-39
chr4	TCONS_00064244	XLOC_050819	16868223	16869248	+	1	NA	CUFF.1001 NA	u	TSS5400	4.701E-06
chr4	TCONS_00057245	XLOC_050833	16995486	16995707	+	1	OS04G0355401	CUFF.7775 OS04T03554(x		TSS5401	1.05E-27
chr4	TCONS_00064248	XLOC_050873	17440638	17440970	+	1	NA	CUFF.1002 NA	u	TSS5405	2.851E-53
chr4	TCONS_00064249	XLOC_050874	17441380	17441917	+	1	NA	CUFF.1003 NA	u	TSS5405	1.508E-30
chr4	TCONS_00057328	XLOC_050912	17945044	17945343	+	1	NA	CUFF.7778 NA	u	TSS5409	0
chr4	TCONS_00057329	XLOC_050913	17945550	17946047	+	1	NA	CUFF.7782 NA	u	TSS5409	0
chr4	TCONS_00057330	XLOC_050914	17950450	17950714	+	1	NA	CUFF.7786 NA	u	TSS5409	8.985E-35
chr4	TCONS_00064250	XLOC_050915	17950985	17951295	+	1	NA	CUFF.1003 NA	u	TSS5409	2.638E-18
chr4	TCONS_00057334	XLOC_050919	17954622	17955037	+	1	NA	CUFF.7793 NA	u	TSS5410	0
chr4	TCONS_00057335	XLOC_050920	17958451	17958716	+	1	NA	CUFF.7795 NA	u	TSS5410	0
chr4	TCONS_00057336	XLOC_050922	17958949	17959403	+	1	NA	CUFF.7797 NA	u	TSS5410	2.177E-22
chr4	TCONS_00057343	XLOC_050929	18047398	18047623	+	1	OS04G0370900	CUFF.7808 OS04T03709(i		TSS5411	6.816E-66
chr4	TCONS_00057350	XLOC_050938	18078500	18078741	+	1	NA	CUFF.7785 NA	u	TSS5412	2.839E-56
chr4	TCONS_00057351	XLOC_050939	18083220	18083541	+	1	NA	CUFF.7789 NA	u	TSS5412	0
chr4	TCONS_00064256	XLOC_050939	18083457	18083668	+	1	NA	CUFF.1004 NA	u	TSS5412	3.69E-29
chr4	TCONS_00057384	XLOC_050969	18370187	18370400	+	1	OS04G0376000	CUFF.7803 OS04T03760(i		TSS5415	1.237E-35
chr4	TCONS_00057423	XLOC_051008	18605724	18606150	+	1	OS04G0380300	CUFF.7829 OS04T03803(i		TSS5419	6.072E-06
chr4	TCONS_00064265	XLOC_051009	18606571	18606975	+	1	OS04G0380300	CUFF.1009 OS04T03803(i		TSS5419	1.037E-34
chr4	TCONS_00057428	XLOC_051014	18662040	18662258	+	1	OS04G0381000	CUFF.7827 OS04T03810(x		TSS5420	1.073E-53

chr4	TCONS_00057443	XLOC_051028	18750836	18751167	+	1	OS04G0382300	CUFF.7838 OS04T03823(i	TSS5421	0.4891
chr4	TCONS_00064266	XLOC_051028	18750956	18751330	+	1	OS04G0382300	CUFF.1009 OS04T03823(i	TSS5421	2.216E-26
chr4	TCONS_00064267	XLOC_051029	18755795	18755998	+	1	NA	CUFF.1008 NA	u	TSS5421 2.638E-18
chr4	TCONS_00057462	XLOC_051044	18905194	18905398	+	1	NA	CUFF.7833 NA	u	TSS5423 5.432E-58
chr4	TCONS_00064268	XLOC_051044	18905003	18905205	+	1	NA	CUFF.1008 NA	u	TSS5423 3.414E-08
chr4	TCONS_00064271	XLOC_051065	19114107	19114329	+	1	OS04G0388601	CUFF.1010 OS04T03886(i	TSS5425	5.01E-43
chr4	TCONS_00064272	XLOC_051069	19138338	19138543	+	1	OS04G0388900	CUFF.1009 OS04T03889(i	TSS5426	1.19E-21
chr4	TCONS_00057508	XLOC_051086	19242502	19242707	+	1	OS04G0391000	CUFF.7847 OS04T03910(x	TSS5428	0
chr4	TCONS_00064276	XLOC_051112	19398528	19398905	+	1	OS04G0394500	CUFF.1011 OS04T03945(x	TSS5430	2.064E-44
chr4	TCONS_00064277	XLOC_051113	19402201	19402438	+	1	NA	CUFF.1010 NA	u	TSS5431 0.0003675
chr4	TCONS_00064280	XLOC_051132	19603747	19603947	+	1	NA	CUFF.1011 NA	u	TSS5433 6.994E-29
chr4	TCONS_00057557	XLOC_051135	19605337	19605550	+	1	NA	CUFF.7879 NA	u	TSS5433 0
chr4	TCONS_00064284	XLOC_051141	19614730	19615047	+	1	NA	CUFF.1012 NA	u	TSS5434 5.592E-20
chr4	TCONS_00057580	XLOC_051156	19686065	19686280	+	1	OS04G0398500	CUFF.7876 OS04T03985(i	TSS5436	4.746E-33
chr4	TCONS_00057598	XLOC_051174	19821926	19822138	+	1	OS04G0400700	CUFF.1013 OS04T04007(x	TSS5437	8.948E-25
chr4	TCONS_00064286	XLOC_051176	19852962	19853209	+	1	OS04G0401300	CUFF.1014 OS04T04013(i	TSS5438	2.654E-11
chr4	TCONS_00064290	XLOC_051203	20129964	20130270	+	1	OS04G0405600	CUFF.1015 OS04T04056(x	TSS5440	1.027E-29
chr4	TCONS_00064292	XLOC_051223	20261598	20261799	+	1	OS04G0410250	CUFF.1017 OS04T04102(x	TSS5442	1.339E-23
chr4	TCONS_00057687	XLOC_051260	20434101	20434379	+	1	NCRNA_9385	CUFF.7965 NCRNA_938.x	TSS5446	0
chr4	TCONS_00064302	XLOC_051358	21228051	21228416	+	1	OS04G0428900	CUFF.1019 OS04T04289(i	TSS5457	3.301E-22
chr4	TCONS_00057827	XLOC_051400	21468119	21468348	+	1	OS04G0432600	CUFF.7949 OS04T04326(i	TSS5461	3.19E-28
chr4	TCONS_00057836	XLOC_051410	21621996	21622240	+	1	NA	CUFF.7948 NA	u	TSS5462 1.842E-12
chr4	TCONS_00064312	XLOC_051411	21625671	21625968	+	1	APX7	CUFF.1024 OS04T04348(i	TSS5462	7.297E-19
chr4	TCONS_00064314	XLOC_051457	21817307	21817586	+	1	NA	CUFF.1024 NA	u	TSS5467 1.037E-34
chr4	TCONS_00057943	XLOC_051519	22248629	22248940	+	1	OS04G0446300	CUFF.7989 OS04T04463(i	TSS5473	8.252E-13
chr4	TCONS_00064322	XLOC_051538	22356522	22356859	+	1	OS04G0448600	CUFF.1028 OS04T04486(i	TSS5476	3.258E-32
chr4	TCONS_00064325	XLOC_051549	22398461	22398693	+	1	OS04G0449500	CUFF.1030 OS04T04495(x	TSS5477	9.952E-87
chr4	TCONS_00057997	XLOC_051567	22537632	22537950	+	1	OS04G0452000	CUFF.8029 OS04T04520(i	TSS5479	1.182E-48
chr4	TCONS_00064326	XLOC_051568	22538828	22539073	+	1	OS04G0452000	CUFF.1031 OS04T04520(i	TSS5479	2.005E-39
chr4	TCONS_00057998	XLOC_051569	22539938	22540384	+	1	OS04G0452000	CUFF.8027 OS04T04520(x	TSS5479	0.040487
chr4	TCONS_00058030	XLOC_051598	22800576	22800787	+	1	OS04G0455700	CUFF.1031 OS04T04557(x	TSS5482	0
chr4	TCONS_00064328	XLOC_051599	22803538	22803823	+	1	LIP1	CUFF.1031 OS04T04558(i	TSS5482	1.265E-07
chr4	TCONS_00064329	XLOC_051600	22809137	22809528	+	1	OS04G0455900	CUFF.1032 OS04T04559(x	TSS5482	6.994E-29
chr4	TCONS_00064332	XLOC_051645	23050822	23051036	+	1	OS04G0461400	CUFF.1034 OS04T04614(i	TSS5487	0
chr4	TCONS_00064334	XLOC_051647	23052365	23052764	+	1	OS04G0461400	CUFF.1035 OS04T04614(i	TSS5487	3.453E-17

chr4	TCONS_00064339	XLOC_051680	23310973	23311184	+	1	NA	CUFF.1033 NA	u	TSS5491	3.718E-24
chr4	TCONS_00064340	XLOC_051686	23335214	23335446	+	1	OS04G0467100	CUFF.1034 OS04T04671(i		TSS5491	6.604E-06
chr4	TCONS_00064341	XLOC_051687	23336108	23336398	+	1	OS04G0467100	CUFF.1034 OS04T04671(i		TSS5491	1.19E-21
chr4	TCONS_00064346	XLOC_051721	23546022	23546496	+	1	OS04G0471300	CUFF.1035 OS04T04713(i		TSS5495	6.161E-27
chr4	TCONS_00058168	XLOC_051741	23662383	23662604	+	1	OS04G0473400	CUFF.8079 OS04T04734(x		TSS5497	4.56E-44
chr4	TCONS_00058171	XLOC_051745	23719714	23719960	+	1	OS04G0474300	CUFF.8078 OS04T04743(i		TSS5497	2.373E-22
chr4	TCONS_00058186	XLOC_051761	23813426	23813630	+	1	NA	CUFF.8084 NA	u	TSS5499	4.746E-33
chr4	TCONS_00058191	XLOC_051767	23833367	23833860	+	1	NA	CUFF.8096 NA	u	TSS5500	3.206E-08
chr4	TCONS_00064355	XLOC_051768	23834679	23835071	+	1	NA	CUFF.1037 NA	u	TSS5500	7.736E-44
chr4	TCONS_00058192	XLOC_051769	23835458	23835785	+	1	NA	CUFF.8098 NA	u	TSS5500	5.781E-22
chr4	TCONS_00064356	XLOC_051769	23835544	23835858	+	1	NA	CUFF.1037 NA	u	TSS5500	9.128E-05
chr4	TCONS_00064357	XLOC_051770	23835910	23836232	+	1	NA	CUFF.1037 NA	u	TSS5500	9.438E-19
chr4	TCONS_00058247	XLOC_051827	24244542	24244747	+	1	OS04G0485100	CUFF.8118 OS04T04851(x		TSS5506	1.997E-78
chr4	TCONS_00064364	XLOC_051855	24439497	24439765	+	1	OS04G0489100	CUFF.1042 OS04T04891(i		TSS5510	4.409E-59
chr4	TCONS_00064366	XLOC_051863	24511475	24511682	+	1	NA	CUFF.1041 NA	u	TSS5510	1.063E-19
chr4	TCONS_00064367	XLOC_051865	24520895	24521281	+	1	OS04G0490600	CUFF.1044 OS04T04906(i		TSS5511	3.802E-12
chr4	TCONS_00058296	XLOC_051869	24539272	24539476	+	1	NA	CUFF.8136 NA	u	TSS5511	0
chr4	TCONS_00058297	XLOC_051870	24540822	24541063	+	1	NA	CUFF.8137 NA	u	TSS5511	7.777E-87
chr4	TCONS_00058317	XLOC_051888	24658353	24658557	+	1	OS04G0493100	CUFF.8160 OS04T04931(i		TSS5513	0
chr4	TCONS_00064371	XLOC_051894	24721642	24721874	+	1	OS04G0494400	CUFF.1044 OS04T04944(i		TSS5514	0.01177
chr4	TCONS_00064372	XLOC_051900	24756183	24756403	+	1	NA	CUFF.1044 NA	u	TSS5515	5.443E-25
chr4	TCONS_00064376	XLOC_051917	24853074	24853278	+	1	OS04G0496800	CUFF.1045 OS04T04968(i		TSS5516	1.168E-26
chr4	TCONS_00058348	XLOC_051920	24866800	24867005	+	1	OS04G0497200	CUFF.8163 OS04T04972(i		TSS5517	0
chr4	TCONS_00064380	XLOC_051941	24983730	24984222	+	1	NA	CUFF.1046 NA	u	TSS5519	2.851E-53
chr4	TCONS_00064381	XLOC_051941	24984306	24984688	+	1	NA	CUFF.1046 NA	u	TSS5519	0.005791
chr4	TCONS_00064382	XLOC_051942	24985819	24986125	+	1	NA	CUFF.1046 NA	u	TSS5519	1.549E-20
chr4	TCONS_00064387	XLOC_051967	25199580	25199982	+	1	OS04G0504800	CUFF.1050 OS04T05048(x		TSS5522	0.0082532
chr4	TCONS_00058404	XLOC_051973	25250335	25250550	+	1	NA	CUFF.8175 NA	u	TSS5523	1.007E-43
chr4	TCONS_00064388	XLOC_051974	25254692	25255508	+	1	NA	CUFF.1048 NA	u	TSS5523	9.541E-18
chr4	TCONS_00064389	XLOC_051975	25255966	25256222	+	1	NA	CUFF.1047 NA	u	TSS5523	6.161E-27
chr4	TCONS_00064391	XLOC_051978	25270038	25270249	+	1	NA	CUFF.1047 NA	u	TSS5523	4.293E-21
chr4	TCONS_00064392	XLOC_051979	25270601	25270943	+	1	NA	CUFF.1048 NA	u	TSS5524	0.024257
chr4	TCONS_00058414	XLOC_051988	25346728	25346962	+	1	OS04G0507400	CUFF.8180 OS04T05074(x		TSS5524	1.125E-08
chr4	TCONS_00064394	XLOC_052005	25424076	25424297	+	1	OS04G0508800	CUFF.1050 OS04T05088(x		TSS5526	0
chr4	TCONS_00064395	XLOC_052011	25465761	25465969	+	1	OS04G0509100	CUFF.1051 OS04T05091(i		TSS5527	5.016E-18

chr4	TCONS_00064397	XLOC_052016	25486886	25487275	+	1	NA	CUFF.1049 NA	u	TSS5528	3.802E-12
chr4	TCONS_00058449	XLOC_052017	25487308	25487519	+	1	NA	CUFF.8202 NA	u	TSS5528	1.444E-33
chr4	TCONS_00058487	XLOC_052053	25826407	25826613	+	1	NA	CUFF.8221 NA	u	TSS5531	4.402E-78
chr4	TCONS_00058496	XLOC_052062	25857957	25858178	+	1	OS04G0517300	CUFF.8226 OS04T051730(x		TSS5532	8.32E-36
chr4	TCONS_00064401	XLOC_052081	26028079	26028385	+	1	OS04G0519925	CUFF.1053 OS04T051992(x		TSS5534	1.222E-23
chr4	TCONS_00064402	XLOC_052082	26029682	26029883	+	1	OS04G0519925	CUFF.1053 OS04T051992(x		TSS5534	2.943E-20
chr4	TCONS_00058551	XLOC_052114	26260196	26260667	+	1	OS04G0525100	CUFF.8239 OS04T052510(x		TSS5538	1.672E-17
chr4	TCONS_00064408	XLOC_052146	26508020	26508271	+	1	OS04G0529800	CUFF.1055 OS04T052980(i		TSS5541	5.016E-18
chr4	TCONS_00064409	XLOC_052153	26534217	26534539	+	1	OS04G0530500	CUFF.1055 OS04T053050(i		TSS5542	4.203E-26
chr4	TCONS_00058591	XLOC_052154	26534945	26535225	+	1	OS04G0530500	CUFF.8254 OS04T053050(i		TSS5542	2.178E-23
chr4	TCONS_00064410	XLOC_052155	26541889	26542152	+	1	OS04G0530600	CUFF.1055 OS04T053060(i		TSS5542	9.077E-33
chr4	TCONS_00064411	XLOC_052165	26613285	26613532	+	1	OS04G0532100	CUFF.1055 OS04T053210(x		TSS5543	2.638E-18
chr4	TCONS_00064412	XLOC_052175	26667430	26667792	+	1	OS04G0533300	CUFF.1057 OS04T053330(i		TSS5544	1.65E-36
chr4	TCONS_00058624	XLOC_052184	26718437	26718642	+	1	OS04G0534500	CUFF.8258 OS04T053450(i		TSS5546	0
chr4	TCONS_00064413	XLOC_052189	26753853	26754221	+	1	NA	CUFF.1056 NA	u	TSS5546	2.891E-35
chr4	TCONS_00064416	XLOC_052201	26926219	26926555	+	1	OS04G0538300	CUFF.1056 OS04T053830(x		TSS5547	3.718E-24
chr4	TCONS_00064426	XLOC_052237	27167446	27167816	+	1	NA	CUFF.1058 NA	u	TSS5551	9.712E-11
chr4	TCONS_00058671	XLOC_052239	27173969	27174177	+	1	NA	CUFF.8270 NA	u	TSS5551	0
chr4	TCONS_00064428	XLOC_052240	27174713	27175010	+	1	NA	CUFF.1058 NA	u	TSS5552	1.61E-45
chr4	TCONS_00064429	XLOC_052241	27176381	27176584	+	1	NA	CUFF.1059 NA	u	TSS5552	8.337E-59
chr4	TCONS_00058705	XLOC_052272	27368909	27369149	+	1	NA	CUFF.8288 NA	u	TSS5555	2.523E-26
chr4	TCONS_00064434	XLOC_052282	27431048	27431388	+	1	OS04G0548100	CUFF.1061 OS04T054810(x		TSS5556	7.056E-24
chr4	TCONS_00058733	XLOC_052300	27558688	27559123	+	1	BRE1A	CUFF.8304 OS04T055040(i		TSS5558	2.753E-12
chr4	TCONS_00058773	XLOC_052340	27802776	27803105	+	1	NA	CUFF.8306 NA	u	TSS5562	8.469E-16
chr4	TCONS_00064443	XLOC_052344	27806462	27806881	+	1	OS04G0555600	CUFF.1064 OS04T055560(x		TSS5563	5.677E-11
chr4	TCONS_00058805	XLOC_052374	28032983	28033192	+	1	OS04G0559550	CUFF.8312 OS04T055955(x		TSS5566	0
chr4	TCONS_00064448	XLOC_052378	28055564	28055767	+	1	OS04G0559800	CUFF.1065 OS04T055980(i		TSS5566	2.943E-20
chr4	TCONS_00058834	XLOC_052403	28233263	28233494	+	1	OS04G0563801	CUFF.8325 OS04T056380(i		TSS5569	1.696E-26
chr4	TCONS_00058848	XLOC_052417	28341334	28341557	+	1	NA	CUFF.8324 NA	u	TSS5570	1.736E-41
chr4	TCONS_00058875	XLOC_052441	28530445	28530665	+	1	NA	CUFF.8335 NA	u	TSS5573	8.689E-46
chr4	TCONS_00058876	XLOC_052442	28534759	28535007	+	1	OS04G0567800	CUFF.8343 OS04T056780(x		TSS5573	3.12E-07
chr4	TCONS_00064464	XLOC_052475	28734431	28734647	+	1	NA	CUFF.1068 NA	u	TSS5576	2.869E-25
chr4	TCONS_00064465	XLOC_052476	28734805	28735008	+	1	NA	CUFF.1068 NA	u	TSS5577	2.638E-18
chr4	TCONS_00064470	XLOC_052525	29054090	29054576	+	1	NA	CUFF.1070 NA	u	TSS5582	0.77224
chr4	TCONS_00058988	XLOC_052553	29273832	29274261	+	1	NA	CUFF.8368 NA	u	TSS5585	9.344E-20

chr4	TCONS_00064477	XLOC_052639	29894432	29894773	+	1	NA	CUFF.1074 NA	u	TSS5594	0.002878
chr4	TCONS_00059101	XLOC_052659	30050015	30050410	+	1	OS04G0594400	CUFF.8411 OS04T05944(i		TSS5596	1.14E-26
chr4	TCONS_00064481	XLOC_052676	30173293	30173531	+	1	OS04G0598000	CUFF.1075 OS04T05980(i		TSS5598	6.901E-52
chr4	TCONS_00059133	XLOC_052692	30285536	30285784	+	1	OS04G0600100	CUFF.8415 OS04T06001(x		TSS5600	3.386E-18
chr4	TCONS_00064482	XLOC_052693	30288745	30288980	+	1	OS04G0600200	CUFF.1076 OS04T06002(i		TSS5600	5.104E-61
chr4	TCONS_00064484	XLOC_052697	30367185	30367398	+	1	OS04G0601500	CUFF.1075 OS04T06015(x		TSS5600	6.994E-29
chr4	TCONS_00064487	XLOC_052717	30481690	30481890	+	1	NA	CUFF.1076 NA	u	TSS5602	1.387E-18
chr4	TCONS_00059160	XLOC_052726	30554270	30554470	+	1	OS04G0605300	CUFF.8429 OS04T06053(i		TSS5603	6.037E-51
chr4	TCONS_00064490	XLOC_052727	30557976	30558366	+	1	OS04G0605300	CUFF.1078 OS04T06053(x		TSS5603	2.869E-25
chr4	TCONS_00064491	XLOC_052731	30606287	30606576	+	1	NA	CUFF.1077 NA	u	TSS5604	1.136E-14
chr4	TCONS_00059173	XLOC_052741	30627322	30627796	+	1	OS04G0606400	CUFF.8441 OS04T06064(i		TSS5605	0.21042
chr4	TCONS_00064492	XLOC_052741	30627154	30627690	+	1	OS04G0606400	CUFF.1079 OS04T06064(i		TSS5605	1.18E-20
chr4	TCONS_00064493	XLOC_052743	30630746	30631003	+	1	OS04G0606425	CUFF.1078 OS04T06064(i		TSS5605	4.824E-23
chr4	TCONS_00059181	XLOC_052752	30695767	30696251	+	1	OS04G0607100	CUFF.8438 OS04T06071(i		TSS5606	3.403E-76
chr4	TCONS_00064498	XLOC_052767	30806142	30806348	+	1	OS04G0608600	CUFF.1079 OS04T06086(x		TSS5607	2.638E-18
chr4	TCONS_00059201	XLOC_052771	30827697	30827989	+	1	OS04G0608900	CUFF.8451 OS04T06089(x		TSS5608	9.688E-29
chr4	TCONS_00059207	XLOC_052777	30855080	30855358	+	1	OS04G0609200	CUFF.8445 OS04T06092(x		TSS5608	4.216E-56
chr4	TCONS_00064500	XLOC_052784	30894263	30894576	+	1	OS04G0609700	CUFF.1080 OS04T06097(i		TSS5609	0.0001116
chr4	TCONS_00064501	XLOC_052785	30895574	30895876	+	1	OS04G0609700	CUFF.1080 OS04T06097(i		TSS5609	6.994E-29
chr4	TCONS_00064502	XLOC_052787	30900282	30900749	+	1	OS04G0609700	CUFF.1081 OS04T06097(i		TSS5609	1.037E-34
chr4	TCONS_00064503	XLOC_052788	30904196	30904535	+	1	NA	CUFF.1079 NA	u	TSS5609	1.775E-08
chr4	TCONS_00064505	XLOC_052796	30922842	30923070	+	1	OS04G0610100	CUFF.1080 OS04T06101(i		TSS5610	5.016E-18
chr4	TCONS_00064506	XLOC_052801	30956451	30956651	+	1	HAK15	CUFF.1080 OS04T06107(i		TSS5611	3.249E-27
chr4	TCONS_00059246	XLOC_052821	31065060	31065282	+	1	COPE1	CUFF.8467 OS04T06126(i		TSS5613	1.444E-33
chr4	TCONS_00064507	XLOC_052831	31121821	31122279	+	1	OS04G0613800	CUFF.1081 OS04T06138(x		TSS5614	2.654E-11
chr4	TCONS_00059329	XLOC_052904	31465466	31465927	+	1	OS04G0619400	CUFF.8520 OS04T06194(i		TSS5621	3.76E-72
chr4	TCONS_00059334	XLOC_052910	31502610	31502823	+	1	NA	CUFF.8495 NA	u	TSS5622	3.657E-47
chr4	TCONS_00064524	XLOC_052917	31509957	31510196	+	1	NA	CUFF.1085 NA	u	TSS5623	1.19E-21
chr4	TCONS_00064526	XLOC_052920	31512894	31513156	+	1	NA	CUFF.1086 NA	u	TSS5623	7.056E-24
chr4	TCONS_00064527	XLOC_052921	31513287	31513857	+	1	NA	CUFF.1087 NA	u	TSS5623	7.264E-12
chr4	TCONS_00059386	XLOC_052966	31795432	31795907	+	1	NA	CUFF.8532 NA	u	TSS5628	6.784E-58
chr4	TCONS_00064532	XLOC_052966	31795707	31796124	+	1	NA	CUFF.1089 NA	u	TSS5628	3.591E-39
chr4	TCONS_00064534	XLOC_052968	31798130	31798428	+	1	NA	CUFF.1089 NA	u	TSS5628	2.005E-39
chr4	TCONS_00059477	XLOC_053047	32279548	32279754	+	1	OS04G0634500	CUFF.8556 OS04T06345(x		TSS5637	2.306E-10
chr4	TCONS_00064543	XLOC_053048	32282368	32282696	+	1	NA	CUFF.1747 NA	u	TSS5637	8.421E-32

chr4	TCONS_00064546	XLOC_053071	32377057	32377257	+	1	OS04G0636600	CUFF.1093 OS04T06366(i	TSS5639	1.387E-18	
chr4	TCONS_00059524	XLOC_053094	32585064	32585287	+	1	OS04G0640600	CUFF.8574 OS04T06406(i	TSS5642	1.05E-32	
chr4	TCONS_00064550	XLOC_053112	32673857	32674450	+	1	OS04G0642000	CUFF.1094 OS04T06420(x	TSS5643	6.316E-14	
chr4	TCONS_00064551	XLOC_053130	32809684	32809934	+	1	OS04G0644675	CUFF.1095 OS04T06446(x	TSS5645	3.712E-17	
chr4	TCONS_00059568	XLOC_053139	32883476	32883810	+	1	NA	CUFF.8591 NA	u	TSS5646	7.264E-12
chr4	TCONS_00064552	XLOC_053139	32883565	32884030	+	1	NA	CUFF.1095 NA	u	TSS5646	4.812E-09
chr4	TCONS_00064553	XLOC_053140	32884329	32885293	+	1	NA	CUFF.1095 NA	u	TSS5646	5.77E-14
chr4	TCONS_00059570	XLOC_053141	32886819	32887396	+	1	NA	CUFF.8593 NA	u	TSS5646	4.128E-53
chr4	TCONS_00064555	XLOC_053142	32887577	32888235	+	1	NA	CUFF.1096 NA	u	TSS5647	2.187E-07
chr4	TCONS_00064556	XLOC_053143	32888512	32888935	+	1	NA	CUFF.1096 NA	u	TSS5647	4.497E-46
chr4	TCONS_00064557	XLOC_053145	32891330	32891930	+	1	NA	CUFF.1096 NA	u	TSS5647	3.49E-12
chr4	TCONS_00064558	XLOC_053151	32955580	32955990	+	1	NA	CUFF.1235 NA	u	TSS5648	8.155E-21
chr4	TCONS_00064565	XLOC_053186	33176073	33176380	+	1	OS04G0650900	CUFF.1098 OS04T06509(x	TSS5652	1.17E-31	
chr4	TCONS_00064567	XLOC_053189	33178672	33178934	+	1	NA	CUFF.1098 NA	u	TSS5652	4.293E-21
chr4	TCONS_00064568	XLOC_053196	33227783	33228145	+	1	OS04G0652500	CUFF.1098 OS04T06525(x	TSS5653	1.063E-19	
chr4	TCONS_00059627	XLOC_053197	33229065	33229302	+	1	OS04G0652500	CUFF.8606 OS04T06525(x	TSS5653	4.042E-30	
chr4	TCONS_00064569	XLOC_053201	33260077	33260445	+	1	OS04G0652900	CUFF.1099 OS04T06529(i	TSS5653	1.72E-32	
chr4	TCONS_00064573	XLOC_053214	33376271	33376816	+	1	NA	CUFF.1099 NA	u	TSS5655	1.643E-15
chr4	TCONS_00064577	XLOC_053247	33627490	33627861	+	1	GLN2	CUFF.1101 OS04T06591(i	TSS5658	6.268E-22	
chr4	TCONS_00064581	XLOC_053258	33722320	33722787	+	1	OS04G0660600	CUFF.1102 OS04T06606(i	TSS5660	2.576E-38	
chr4	TCONS_00059729	XLOC_053300	34053930	34054142	+	1	NA	CUFF.8635 NA	u	TSS5664	1.696E-26
chr4	TCONS_00059735	XLOC_053307	34073467	34073667	+	1	OS04G0667500	CUFF.8642 OS04T06675(x	TSS5665	0	
chr4	TCONS_00064597	XLOC_053329	34175227	34175483	+	1	OS04G0670200	CUFF.1106 OS04T06702(i	TSS5667	2.956E-40	
chr4	TCONS_00064598	XLOC_053330	34175590	34175872	+	1	OS04G0670200	CUFF.1106 OS04T06702(i	TSS5667	0.024257	
chr4	TCONS_00064600	XLOC_053337	34237999	34238267	+	1	NA	CUFF.1105 NA	u	TSS5668	0.01177
chr4	TCONS_00064606	XLOC_053359	34418214	34418489	+	1	OS04G0674300	CUFF.1107 OS04T06743(i	TSS5670	9.158E-23	
chr4	TCONS_00064610	XLOC_053372	34497231	34497436	+	1	NA	CUFF.1108 NA	u	TSS5672	1.168E-26
chr4	TCONS_00059875	XLOC_053444	35030889	35031129	+	1	NA	CUFF.8695 NA	u	TSS5680	2.1E-20
chr4	TCONS_00064621	XLOC_053450	35091931	35092221	+	1	OS04G0686650	CUFF.1112 OS04T06866(x	TSS5680	1.549E-20	
chr4	TCONS_00064622	XLOC_053452	35102132	35102336	+	1	NA	CUFF.1111 NA	u	TSS5680	2.638E-18
chr4	TCONS_00064623	XLOC_053457	35122368	35122577	+	1	OS04G0687100	CUFF.1112 OS04T06871(x	TSS5681	5.016E-18	
chr4	TCONS_00064625	XLOC_053486	35351855	35352283	+	1	NCRNA_42406	CUFF.1113 NCRNA_424(x	TSS5684	0.0032438	
chr4	TCONS_00059984	XLOC_053547	326543	326783	-	1	OS04G0105000	CUFF.7443 OS04T01050(x	TSS5691	6.151E-12	
chr4	TCONS_00060022	XLOC_053582	611824	612198	-	1	OS04G0110400	CUFF.7448 OS04T01104(i	TSS5694	7.19E-05	
chr4	TCONS_00060095	XLOC_053645	1093716	1094016	-	1	OS04G0118400	CUFF.7481 OS04T01184(i	TSS5701	0.12416	

chr4	TCONS_00060140	XLOC_053688	1613959	1614162	-	1	NA	CUFF.7475 NA	u	TSS5706	6.786E-89
chr4	TCONS_00060145	XLOC_053694	1634899	1635099	-	1	NA	CUFF.7478 NA	u	TSS5706	0
chr4	TCONS_00060146	XLOC_053695	1640152	1640548	-	1	NA	CUFF.7477 NA	u	TSS5706	6.072E-25
chr4	TCONS_00064638	XLOC_053709	1760153	1760358	-	1	NA	CUFF.9654 NA	u	TSS5708	1.25E-16
chr4	TCONS_00064643	XLOC_053817	3275081	3275281	-	1	NA	CUFF.9683 NA	u	TSS5719	3.301E-22
chr4	TCONS_00064644	XLOC_053828	3466574	3466949	-	1	OS04G0150300	CUFF.9693 OS04T01503(i		TSS5720	7.312E-24
chr4	TCONS_00064649	XLOC_053884	4277241	4277513	-	1	OS04G0162100	CUFF.9707 OS04T01621(x		TSS5726	1.549E-20
chr4	TCONS_00060409	XLOC_053958	4967807	4968014	-	1	OS04G0173300	CUFF.7535 OS04T01733(i		TSS5734	0
chr4	TCONS_00064661	XLOC_054039	5808739	5808941	-	1	OS04G0185500	CUFF.9742 OS04T01855(i		TSS5742	1.527E-35
chr4	TCONS_00060508	XLOC_054055	5986897	5987267	-	1	NA	CUFF.7551 NA	u	TSS5744	4.809E-22
chr4	TCONS_00060509	XLOC_054056	6011857	6012253	-	1	NA	CUFF.7554 NA	u	TSS5744	0
chr4	TCONS_00060510	XLOC_054057	6012309	6012560	-	1	NA	CUFF.7553 NA	u	TSS5744	0
chr4	TCONS_00064664	XLOC_054070	6308124	6308796	-	1	OS04G0192350	CUFF.9752 OS04T01923(i		TSS5745	1.241E-72
chr4	TCONS_00060527	XLOC_054072	6324346	6324584	-	1	NA	CUFF.7555 NA	u	TSS5746	6.863E-19
chr4	TCONS_00064667	XLOC_054105	6683608	6683838	-	1	NA	CUFF.9763 NA	u	TSS5749	1.512E-25
chr4	TCONS_00060652	XLOC_054192	7912458	7912689	-	1	NA	CUFF.7589 NA	u	TSS5758	4.21E-20
chr4	TCONS_00064673	XLOC_054195	7914578	7915233	-	1	OS04G0218400	CUFF.9794 OS04T02184(x		TSS5759	1.066E-17
chr4	TCONS_00060657	XLOC_054197	7930141	7930786	-	1	NCRNA_35507	CUFF.7599 NCRNA_355(x		TSS5759	4.07E-13
chr4	TCONS_00060658	XLOC_054199	7932318	7932611	-	1	NA	CUFF.7604 NA	u	TSS5759	1.524E-18
chr4	TCONS_00064676	XLOC_054199	7932023	7932333	-	1	NA	CUFF.9789 NA	u	TSS5759	5.961E-15
chr4	TCONS_00064677	XLOC_054202	7935116	7935347	-	1	NA	CUFF.9787 NA	u	TSS5760	0.01177
chr4	TCONS_00064679	XLOC_054249	8461458	8461754	-	1	OS04G0226400	CUFF.9825 OS04T02264(x		TSS5765	1.508E-30
chr4	TCONS_00064680	XLOC_054257	8529406	8529871	-	1	OS04G0227500	CUFF.9814 OS04T02275(i		TSS5765	3.453E-17
chr4	TCONS_00064681	XLOC_054294	9103678	9103974	-	1	NA	CUFF.1649 NA	u	TSS5769	2.823E-29
chr4	TCONS_00060754	XLOC_054295	9106206	9107692	-	1	NA	CUFF.8097 NA	u	TSS5769	2.509E-33
chr4	TCONS_00060794	XLOC_054329	9193444	9194026	-	1	NA	CUFF.8117 NA	u	TSS5773	4.692E-23
chr4	TCONS_00064687	XLOC_054347	9342854	9343088	-	1	OS04G0244400	CUFF.9837 OS04T02444(i		TSS5775	1.742E-55
chr4	TCONS_00060842	XLOC_054378	9798497	9798835	-	1	NA	CUFF.7632 NA	u	TSS5778	1.173E-46
chr4	TCONS_00060843	XLOC_054379	9800164	9800393	-	1	NA	CUFF.7627 NA	u	TSS5778	8.985E-35
chr4	TCONS_00064690	XLOC_054382	9834844	9835355	-	1	NA	CUFF.9851 NA	u	TSS5778	0.79967
chr4	TCONS_00060846	XLOC_054383	9835976	9836428	-	1	NA	CUFF.7630 NA	u	TSS5778	1.967E-29
chr4	TCONS_00064693	XLOC_054462	11256124	11256437	-	1	OS04G0269800	CUFF.9859 OS04T02698(x		TSS5787	2.943E-20
chr4	TCONS_00060932	XLOC_054466	11278094	11278481	-	1	OS04G0270100	CUFF.7648 OS04T02701(i		TSS5787	2.223E-43
chr4	TCONS_00064699	XLOC_054525	12119745	12119946	-	1	NA	CUFF.9876 NA	u	TSS5793	1.855E-47
chr4	TCONS_00064700	XLOC_054526	12121730	12121936	-	1	NA	CUFF.9877 NA	u	TSS5793	2.638E-18

chr4	TCONS_00064705	XLOC_054571	12648398	12648602	-	1	OS04G0290800	CUFF.9908	OS04T02908(x	TSS5798	2.514E-28
chr4	TCONS_00064708	XLOC_054606	13039868	13040081	-	1	NA	CUFF.9910	NA u	TSS5801	4.53E-16
chr4	TCONS_00064709	XLOC_054617	13208390	13208672	-	1	OS04G0298600	CUFF.9922	OS04T02986(i	TSS5802	1.256E-46
chr4	TCONS_00061079	XLOC_054618	13211941	13212300	-	1	OS04G0298600	CUFF.7683	OS04T02986(i	TSS5802	4.897E-10
chr4	TCONS_00064710	XLOC_054638	13588765	13589177	-	1	NA	CUFF.9919	NA u	TSS5804	2.863E-13
chr4	TCONS_00061152	XLOC_054681	14084541	14084771	-	1	NA	CUFF.7695	NA u	TSS5809	5.596E-36
chr4	TCONS_00064712	XLOC_054682	14090297	14090538	-	1	NA	CUFF.9937	NA u	TSS5810	5.596E-40
chr4	TCONS_00064714	XLOC_054686	14093028	14093318	-	1	NA	CUFF.9931	NA u	TSS5810	3.718E-24
chr4	TCONS_00061155	XLOC_054688	14095018	14095227	-	1	OS04G0311100	CUFF.7700	OS04T03111(x	TSS5810	0
chr4	TCONS_00064716	XLOC_054693	14159856	14160178	-	1	NA	CUFF.9939	NA u	TSS5811	1.643E-15
chr4	TCONS_00064719	XLOC_054713	14377155	14377367	-	1	NA	CUFF.9946	NA u	TSS5813	1.307E-09
chr4	TCONS_00061297	XLOC_054824	15879871	15880220	-	1	OS04G0337300	CUFF.7730	OS04T03373(x	TSS5824	8.039E-75
chr4	TCONS_00061349	XLOC_054877	16540118	16540329	-	1	OS04G0347600	CUFF.7750	OS04T03476(x	TSS5830	1.518E-82
chr4	TCONS_00061367	XLOC_054895	16691230	16691448	-	1	OS04G0350000	CUFF.7765	OS04T03500(i	TSS5832	9.688E-29
chr4	TCONS_00064732	XLOC_055015	18136072	18136273	-	1	OS04G0372100	CUFF.1005	OS04T03721(x	TSS5844	1.527E-35
chr4	TCONS_00061503	XLOC_055036	18325173	18325403	-	1	NA	CUFF.7801	NA u	TSS5846	2.321E-32
chr4	TCONS_00061519	XLOC_055053	18468726	18468943	-	1	OS04G0378200	CUFF.7816	OS04T03782(x	TSS5848	9.843E-39
chr4	TCONS_00064737	XLOC_055054	18469173	18469485	-	1	OS04G0378200	CUFF.1006	OS04T03782(x	TSS5848	2.217E-31
chr4	TCONS_00064739	XLOC_055056	18470596	18470804	-	1	OS04G0378200	CUFF.1007	OS04T03782(x	TSS5848	9.234E-38
chr4	TCONS_00061524	XLOC_055060	18477379	18477656	-	1	NCRNA_37981	CUFF.7813	NCRNA_379(x	TSS5848	9.708E-34
chr4	TCONS_00061528	XLOC_055063	18494076	18494283	-	1	OS04G0378575	CUFF.7824	OS04T03785(x	TSS5849	9.705E-78
chr4	TCONS_00064744	XLOC_055095	18736290	18736550	-	1	OS04G0382100	CUFF.1007	OS04T03821(x	TSS5852	1.795E-42
chr4	TCONS_00061561	XLOC_055097	18743158	18743375	-	1	OS04G0382200	CUFF.7831	OS04T03822(x	TSS5852	3.19E-28
chr4	TCONS_00061575	XLOC_055113	18937948	18938244	-	1	NA	CUFF.7835	NA u	TSS5854	0.0004644
chr4	TCONS_00061576	XLOC_055114	18939067	18939283	-	1	NA	CUFF.7836	NA u	TSS5854	4.065E-35
chr4	TCONS_00064747	XLOC_055121	19050598	19050810	-	1	NA	CUFF.1008	NA u	TSS5855	4.53E-16
chr4	TCONS_00064748	XLOC_055133	19113571	19113820	-	1	OS04G0388601	CUFF.1010	OS04T03886(i	TSS5856	1.775E-08
chr4	TCONS_00061596	XLOC_055135	19130261	19130651	-	1	OS04G0388800	CUFF.7839	OS04T03888(x	TSS5856	2.614E-49
chr4	TCONS_00061602	XLOC_055142	19228436	19228653	-	1	NA	CUFF.7842	NA u	TSS5857	3.407E-59
chr4	TCONS_00064751	XLOC_055159	19379257	19379522	-	1	OS04G0394200	CUFF.1011	OS04T03942(i	TSS5858	5.01E-43
chr4	TCONS_00061626	XLOC_055164	19412006	19412207	-	1	OS04G0394700	CUFF.7856	OS04T03947(i	TSS5859	2.223E-43
chr4	TCONS_00061627	XLOC_055165	19415163	19415415	-	1	OS04G0394700	CUFF.7858	OS04T03947(i	TSS5859	0
chr4	TCONS_00061637	XLOC_055173	19493718	19493938	-	1	OS04G0395800	CUFF.7860	OS04T03958(i	TSS5860	4.641E-32
chr4	TCONS_00064756	XLOC_055234	20007015	20007223	-	1	NA	CUFF.1014	NA u	TSS5866	3.159E-08
chr4	TCONS_00064760	XLOC_055277	20256922	20257177	-	1	OS04G0409900	CUFF.1016	OS04T04099(x	TSS5871	1.099E-39

chr4	TCONS_00064766	XLOC_055318	20544232	20544593	-	1	NA	CUFF.1017 NA	u	TSS5875	1.187E-36
chr4	TCONS_00061782	XLOC_055322	20550968	20551190	-	1	OS04G0416100	CUFF.7914 OS04T0416100	(i)	TSS5875	5.132E-32
chr4	TCONS_00064769	XLOC_055331	20589028	20589231	-	1	NA	CUFF.1018 NA	u	TSS5876	2.859E-30
chr4	TCONS_00061798	XLOC_055339	20625649	20625855	-	1	OS04G0417600	CUFF.7916 OS04T0417600	(x)	TSS5877	0
chr4	TCONS_00061823	XLOC_055365	20838569	20838784	-	1	NA	CUFF.7927 NA	u	TSS5880	2.544E-86
chr4	TCONS_00061827	XLOC_055369	20872525	20872757	-	1	NA	CUFF.7923 NA	u	TSS5880	3.716E-17
chr4	TCONS_00064776	XLOC_055386	21021429	21021646	-	1	NA	CUFF.1019 NA	u	TSS5882	0.0006636
chr4	TCONS_00061865	XLOC_055403	21257622	21257832	-	1	NA	CUFF.7925 NA	u	TSS5884	2.175E-38
chr4	TCONS_00061877	XLOC_055415	21310946	21311156	-	1	OS04G0429800	CUFF.7939 OS04T0429800	(x)	TSS5885	3.926E-57
chr4	TCONS_00061879	XLOC_055419	21320451	21320652	-	1	OS04G0429900	CUFF.7935 OS04T0429900	(x)	TSS5886	0
chr4	TCONS_00064784	XLOC_055462	21630618	21630822	-	1	NA	CUFF.1023 NA	u	TSS5891	2.638E-18
chr4	TCONS_00064789	XLOC_055526	22062016	22062351	-	1	OS04G0442800	CUFF.1026 OS04T0442800	(x)	TSS5898	0.0029177
chr4	TCONS_00064790	XLOC_055527	22063520	22063757	-	1	NA	CUFF.1024 NA	u	TSS5898	2.529E-33
chr4	TCONS_00064792	XLOC_055529	22066958	22067650	-	1	NA	CUFF.1026 NA	u	TSS5899	6.268E-22
chr4	TCONS_00064793	XLOC_055530	22067899	22068102	-	1	NA	CUFF.1025 NA	u	TSS5899	2.859E-30
chr4	TCONS_00062013	XLOC_055531	22069792	22070025	-	1	NA	CUFF.7972 NA	u	TSS5899	1.05E-27
chr4	TCONS_00062025	XLOC_055541	22091833	22092052	-	1	OS04G0443500	CUFF.7979 OS04T0443500	(i)	TSS5900	9.642E-50
chr4	TCONS_00064800	XLOC_055598	22364493	22364882	-	1	OS04G0448800	CUFF.1028 OS04T0448800	(i)	TSS5906	0.47313
chr4	TCONS_00062098	XLOC_055616	22436672	22437058	-	1	OS04G0450300	CUFF.8006 OS04T0450300	(x)	TSS5908	0.70811
chr4	TCONS_00062116	XLOC_055636	22595758	22595967	-	1	OS04G0452600	CUFF.8016 OS04T0452600	(x)	TSS5910	3.022E-72
chr4	TCONS_00064808	XLOC_055637	22599778	22600121	-	1	OS04G0452700	CUFF.1031 OS04T0452700	(x)	TSS5910	1.387E-18
chr4	TCONS_00064812	XLOC_055729	23287640	23288049	-	1	RDR2	CUFF.1034 OS04T0465700	(x)	TSS5920	2.956E-47
chr4	TCONS_00062239	XLOC_055748	23391710	23391935	-	1	NA	CUFF.8049 NA	u	TSS5922	4.08E-25
chr4	TCONS_00062251	XLOC_055755	23493378	23493580	-	1	OS04G0470100	CUFF.8058 OS04T0470100	(i)	TSS5923	9.059E-79
chr4	TCONS_00064813	XLOC_055755	23493452	23493763	-	1	OS04G0470100	CUFF.1035 OS04T0470100	(i)	TSS5923	3.69E-29
chr4	TCONS_00064814	XLOC_055777	23620289	23620973	-	1	NA	CUFF.1035 NA	u	TSS5926	3.898E-53
chr4	TCONS_00064815	XLOC_055780	23634728	23634933	-	1	NA	CUFF.1035 NA	u	TSS5926	5.418E-30
chr4	TCONS_00064817	XLOC_055810	23864494	23864868	-	1	NA	CUFF.1038 NA	u	TSS5929	7.393E-44
chr4	TCONS_00064823	XLOC_055903	24456858	24457313	-	1	NA	CUFF.1041 NA	u	TSS5939	6.174E-32
chr4	TCONS_00064827	XLOC_055907	24464011	24464597	-	1	OS04G0489600	CUFF.1043 OS04T0489600	(i)	TSS5940	0.000257
chr4	TCONS_00064829	XLOC_055909	24465564	24465768	-	1	OS04G0489600	CUFF.1043 OS04T0489600	(i)	TSS5940	5.592E-20
chr4	TCONS_00064830	XLOC_055915	24484118	24484389	-	1	OS04G0490100	CUFF.1042 OS04T0490100	(i)	TSS5941	1.549E-20
chr4	TCONS_00062428	XLOC_055921	24511663	24511873	-	1	NA	CUFF.8134 NA	u	TSS5941	3.647E-75
chr4	TCONS_00064833	XLOC_055934	24582088	24582324	-	1	NA	CUFF.1042 NA	u	TSS5943	2.248E-36
chr4	TCONS_00064834	XLOC_055935	24583967	24584298	-	1	NA	CUFF.1042 NA	u	TSS5943	1.283E-05

chr4	TCONS_00062450	XLOC_055943	24622645	24622876	-	1	NA	CUFF.8150	NA	u	TSS5943	4.065E-35
chr4	TCONS_00064837	XLOC_055944	24623668	24624180	-	1	NA	CUFF.1043	NA	u	TSS5944	4.16E-27
chr4	TCONS_00062508	XLOC_055998	24995793	24996007	-	1	OS04G0500700	CUFF.8170	OS04T05007(i		TSS5949	1.918E-45
chr4	TCONS_00064841	XLOC_056013	25115189	25115463	-	1	NA	CUFF.1047	NA	u	TSS5951	1.256E-46
chr4	TCONS_00064844	XLOC_056054	25385654	25385891	-	1	OS04G0508100	CUFF.1049	OS04T05081(i		TSS5956	1.066E-57
chr4	TCONS_00064845	XLOC_056055	25386239	25387179	-	1	NCRNA_1793	CUFF.1050	NCRNA_179(x		TSS5956	0.32672
chr4	TCONS_00062649	XLOC_056120	25756197	25756430	-	1	OS04G0515400	CUFF.8220	OS04T05154(x		TSS5963	1.441E-28
chr4	TCONS_00064852	XLOC_056164	26094943	26095334	-	1	NA	CUFF.1053	NA	u	TSS5967	4.215E-54
chr4	TCONS_00062698	XLOC_056170	26156607	26156851	-	1	NA	CUFF.8229	NA	u	TSS5968	3.716E-17
chr4	TCONS_00062699	XLOC_056171	26161634	26161899	-	1	OS04G0522800	CUFF.8235	OS04T05228(i		TSS5968	0
chr4	TCONS_00064854	XLOC_056211	26483866	26484149	-	1	OS04G0529500	CUFF.1054	OS04T05295(x		TSS5972	2.514E-28
chr4	TCONS_00064858	XLOC_056244	26701010	26701303	-	1	NA	CUFF.1056	NA	u	TSS5976	0.024257
chr4	TCONS_00062806	XLOC_056274	27003050	27003284	-	1	NA	CUFF.8273	NA	u	TSS5979	8.942E-30
chr4	TCONS_00064860	XLOC_056275	27003372	27003599	-	1	NA	CUFF.1056	NA	u	TSS5979	1.501E-13
chr4	TCONS_00064863	XLOC_056291	27114491	27114892	-	1	OS04G0541500	CUFF.1058	OS04T05415(i		TSS5980	2.26E-21
chr4	TCONS_00064864	XLOC_056299	27204864	27205295	-	1	NA	CUFF.1058	NA	u	TSS5981	9.077E-33
chr4	TCONS_00062829	XLOC_056302	27211494	27211925	-	1	NA	CUFF.8275	NA	u	TSS5982	0.53626
chr4	TCONS_00062833	XLOC_056308	27239123	27239463	-	1	NCRNA_39645	CUFF.1060	NCRNA_396(x		TSS5982	3.363E-07
chr4	TCONS_00062835	XLOC_056309	27240219	27240527	-	1	NA	CUFF.8279	NA	u	TSS5983	1.143E-12
chr4	TCONS_00064869	XLOC_056309	27239667	27240426	-	1	NCRNA_1170	CUFF.1060	NCRNA_117(x		TSS5983	2.122E-13
chr4	TCONS_00064870	XLOC_056333	27358962	27359363	-	1	OS04G0546400	CUFF.1061	OS04T05464(i		TSS5985	1.283E-05
chr4	TCONS_00064876	XLOC_056350	27455213	27455446	-	1	NA	CUFF.1061	NA	u	TSS5987	1.859E-10
chr4	TCONS_00064880	XLOC_056364	27564568	27564770	-	1	OS04G0550500	CUFF.1062	OS04T05505(i		TSS5988	1.339E-23
chr4	TCONS_00062893	XLOC_056375	27625161	27625436	-	1	NA	CUFF.8296	NA	u	TSS5989	5.262E-22
chr4	TCONS_00062917	XLOC_056397	27795005	27795239	-	1	OS04G0555400	CUFF.8307	OS04T05554(i		TSS5992	1.07E-22
chr4	TCONS_00064882	XLOC_056405	27831528	27831730	-	1	OS04G0556000	CUFF.1063	OS04T05560(i		TSS5993	1.387E-18
chr4	TCONS_00062940	XLOC_056421	27991733	27991938	-	1	OS04G0558500	CUFF.8313	OS04T05585(i		TSS5994	0
chr4	TCONS_00064887	XLOC_056462	28278948	28279157	-	1	NA	CUFF.1065	NA	u	TSS5999	4.2E-31
chr4	TCONS_00064889	XLOC_056465	28294505	28294711	-	1	OS04G0564600	CUFF.1066	OS04T05646(i		TSS5999	5.592E-20
chr4	TCONS_00063046	XLOC_056521	28821463	28821729	-	1	DREB1E	CUFF.8353	OS04T05724(x		TSS6005	0
chr4	TCONS_00064893	XLOC_056524	28840080	28840509	-	1	NA	CUFF.1069	NA	u	TSS6005	1.61E-45
chr4	TCONS_00063050	XLOC_056527	28875164	28875364	-	1	CCS	CUFF.8370	OS04T05732(x		TSS6006	0.0049983
chr4	TCONS_00063051	XLOC_056528	28876662	28876880	-	1	CCS	CUFF.8376	OS04T05732(x		TSS6006	3.734E-31
chr4	TCONS_00063052	XLOC_056529	28903796	28904065	-	1	NA	CUFF.8355	NA	u	TSS6006	0
chr4	TCONS_00063119	XLOC_056597	29407851	29408116	-	1	OS04G0581700	CUFF.8375	OS04T05817(x		TSS6013	1.003E-14

chr4	TCONS_00063173	XLOC_056646	29748661	29748885	-	1	OS04G0588500	CUFF.8402	OS04T05885(i	TSS6018	0	
chr4	TCONS_00064904	XLOC_056646	29748736	29748938	-	1	OS04G0588500	CUFF.1075	OS04T05885(i	TSS6018	2.881E-79	
chr4	TCONS_00064905	XLOC_056647	29749464	29750190	-	1	OS04G0588500	CUFF.1075	OS04T05885(i	TSS6019	8.477E-11	
chr4	TCONS_00063179	XLOC_056654	29803480	29803682	-	1	OS04G0589600	CUFF.8394	OS04T05896(x	TSS6019	0	
chr4	TCONS_00064910	XLOC_056700	30213593	30213949	-	1	OS04G0598800	CUFF.1075	OS04T05988(x	TSS6024	8.155E-21	
chr4	TCONS_00064912	XLOC_056731	30456570	30456903	-	1	NCRNA_49138	CUFF.1076	NCRNA_491(x	TSS6028	1.363E-09	
chr4	TCONS_00064913	XLOC_056732	30457682	30458095	-	1	NA	CUFF.1076	NA	u	TSS6028	5.183E-48
chr4	TCONS_00063270	XLOC_056734	30459771	30460011	-	1	NA	CUFF.8422	NA	u	TSS6028	1.238E-25
chr4	TCONS_00064915	XLOC_056735	30460696	30461039	-	1	NA	CUFF.1076	NA	u	TSS6028	0.0014245
chr4	TCONS_00063337	XLOC_056794	30930595	30930804	-	1	OS04G0610200	CUFF.8453	OS04T06102(x	TSS6035	0	
chr4	TCONS_00063338	XLOC_056795	30940279	30940497	-	1	NA	CUFF.8459	NA	u	TSS6035	4.187E-73
chr4	TCONS_00063339	XLOC_056796	30940718	30940940	-	1	NA	CUFF.8455	NA	u	TSS6035	2.339E-70
chr4	TCONS_00063340	XLOC_056797	30941278	30941655	-	1	NA	CUFF.8454	NA	u	TSS6035	1.029E-10
chr4	TCONS_00064922	XLOC_056821	31081096	31081428	-	1	NA	CUFF.1080	NA	u	TSS6038	0.002878
chr4	TCONS_00064923	XLOC_056826	31103531	31103875	-	1	OS04G0613500	CUFF.1081	OS04T06135(i	TSS6038	1.512E-25	
chr4	TCONS_00064924	XLOC_056827	31104350	31104553	-	1	OS04G0613500	CUFF.1081	OS04T06135(i	TSS6038	0	
chr4	TCONS_00063380	XLOC_056834	31142248	31142461	-	1	NA	CUFF.8464	NA	u	TSS6039	0
chr4	TCONS_00063381	XLOC_056835	31145921	31146140	-	1	NA	CUFF.8465	NA	u	TSS6039	0
chr4	TCONS_00063387	XLOC_056841	31205369	31205777	-	1	NA	CUFF.8468	NA	u	TSS6040	1.463E-23
chr4	TCONS_00063388	XLOC_056842	31215805	31216015	-	1	OS04G0615100	CUFF.8486	OS04T06151(i	TSS6040	8.469E-41	
chr4	TCONS_00063424	XLOC_056873	31361442	31361687	-	1	OS04G0617500	CUFF.8481	OS04T06175(x	TSS6044	1.159E-09	
chr4	TCONS_00063433	XLOC_056882	31403721	31404182	-	1	UEL-2	CUFF.8491	OS04T06182(i	TSS6045	1.496E-43	
chr4	TCONS_00064932	XLOC_056903	31553686	31554350	-	1	NA	CUFF.1085	NA	u	TSS6047	6.274E-32
chr4	TCONS_00063463	XLOC_056917	31593683	31593895	-	1	NA	CUFF.8509	NA	u	TSS6048	1.33E-29
chr4	TCONS_00063465	XLOC_056920	31602769	31603349	-	1	NA	CUFF.8513	NA	u	TSS6049	0
chr4	TCONS_00064943	XLOC_056921	31603862	31605373	-	1	NA	CUFF.1088	NA	u	TSS6049	0.45866
chr4	TCONS_00063478	XLOC_056931	31642510	31642710	-	1	NA	CUFF.8521	NA	u	TSS6050	0
chr4	TCONS_00064946	XLOC_056936	31657683	31658062	-	1	NA	CUFF.1088	NA	u	TSS6051	1.739E-22
chr4	TCONS_00064947	XLOC_056937	31659179	31659501	-	1	NA	CUFF.1088	NA	u	TSS6051	4.203E-26
chr4	TCONS_00063482	XLOC_056938	31660345	31660554	-	1	NA	CUFF.8527	NA	u	TSS6051	0
chr4	TCONS_00063483	XLOC_056939	31660656	31660860	-	1	OS04G0623066	CUFF.8531	OS04T06230(x	TSS6051	0	
chr4	TCONS_00064949	XLOC_056950	31698326	31698531	-	1	SRP14	CUFF.1089	OS04T06237(i	TSS6052	5.443E-25	
chr4	TCONS_00063533	XLOC_056987	31970885	31971117	-	1	OS04G0628200	CUFF.8539	OS04T06282(i	TSS6056	1.441E-28	
chr4	TCONS_00063539	XLOC_056991	32002228	32002444	-	1	OS04G0629000	CUFF.8544	OS04T06290(x	TSS6056	4.064E-51	
chr4	TCONS_00063553	XLOC_057006	32141268	32141494	-	1	NA	CUFF.8546	NA	u	TSS6058	1.463E-23

chr4	TCONS_00064961	XLOC_057028	32289634	32289989	-	1	OS04G0634700	CUFF.1747 OS04T06347(x	TSS6060	7.546E-25	
chr4	TCONS_00064962	XLOC_057029	32295481	32295785	-	1	OS04G0634800	CUFF.1747 OS04T06348(x	TSS6061	2.216E-26	
chr4	TCONS_00064963	XLOC_057052	32406977	32407285	-	1	OS04G0637000	CUFF.1093 OS04T06370(i	TSS6063	5.443E-25	
chr4	TCONS_00063627	XLOC_057077	32606050	32606425	-	1	OS04G0640900	CUFF.1093 OS04T06409(x	TSS6066	0.19339	
chr4	TCONS_00063655	XLOC_057101	32756476	32756779	-	1	OS04G0643550	CUFF.8587 OS04T06435(i	TSS6068	0	
chr4	TCONS_00064976	XLOC_057130	32884084	32884336	-	1	NA	CUFF.1095 NA	u	TSS6071	9.077E-33
chr4	TCONS_00063679	XLOC_057131	32887515	32887786	-	1	NA	CUFF.8595 NA	u	TSS6072	0.018387
chr4	TCONS_00064977	XLOC_057131	32886861	32887538	-	1	NA	CUFF.1096 NA	u	TSS6071	4.341E-45
chr4	TCONS_00064978	XLOC_057132	32888003	32888230	-	1	NA	CUFF.1096 NA	u	TSS6072	0.075834
chr4	TCONS_00064979	XLOC_057133	32888514	32888737	-	1	NA	CUFF.1096 NA	u	TSS6072	2.303E-41
chr4	TCONS_00064980	XLOC_057134	32891691	32891911	-	1	NA	CUFF.1096 NA	u	TSS6072	3.405E-06
chr4	TCONS_00064981	XLOC_057135	32892026	32892476	-	1	NA	CUFF.1096 NA	u	TSS6072	1.162E-05
chr4	TCONS_00063747	XLOC_057196	33308213	33308705	-	1	OS04G0653000	CUFF.8608 OS04T06530(i	TSS6079	2.082E-66	
chr4	TCONS_00064985	XLOC_057212	33430011	33430394	-	1	OS04G0655600	CUFF.1100 OS04T06556(i	TSS6080	2.02E-19	
chr4	TCONS_00064986	XLOC_057214	33460204	33460437	-	1	OS04G0656100	CUFF.1113 OS04T06561(i	TSS6080	5.365E-66	
chr4	TCONS_00063775	XLOC_057226	33559576	33559799	-	1	OS04G0658000	CUFF.8622 OS04T06580(i	TSS6082	1.05E-32	
chr4	TCONS_00064987	XLOC_057238	33647433	33647794	-	1	OS04G0659400	CUFF.1101 OS04T06594(i	TSS6083	1.179E-54	
chr4	TCONS_00064991	XLOC_057257	33763031	33763245	-	1	OS04G0661600	CUFF.1105 OS04T06616(i	TSS6085	1.069E-14	
chr4	TCONS_00064995	XLOC_057292	33983799	33984073	-	1	OS04G0665700	CUFF.1104 OS04T06657(i	TSS6089	1.17E-31	
chr4	TCONS_00063864	XLOC_057306	34082171	34082414	-	1	NA	CUFF.8640 NA	u	TSS6091	9.093E-16
chr4	TCONS_00065002	XLOC_057359	34395606	34395897	-	1	OS04G0673700	CUFF.1107 OS04T06737(x	TSS6097	1.136E-14	
chr4	TCONS_00063930	XLOC_057364	34407854	34408187	-	1	NA	CUFF.8660 NA	u	TSS6097	1.709E-24
chr4	TCONS_00065004	XLOC_057382	34477900	34478795	-	1	NA	CUFF.1107 NA	u	TSS6099	0.96108
chr4	TCONS_00063975	XLOC_057406	34585192	34585419	-	1	PRMT6.1	CUFF.8674 OS04T06770(x	TSS6102	3.559E-42	
chr4	TCONS_00065007	XLOC_057420	34674661	34674883	-	1	OS04G0679050	CUFF.1108 OS04T06790(i	TSS6103	1.091E-44	
chr4	TCONS_00065008	XLOC_057421	34678102	34678443	-	1	OS04G0679100	CUFF.1109 OS04T06791(i	TSS6104	9.158E-23	
chr4	TCONS_00064001	XLOC_057432	34760484	34760710	-	1	NA	CUFF.8677 NA	u	TSS6105	2.943E-29
chr4	TCONS_00064029	XLOC_057456	34946682	34947026	-	1	OS04G0684200	CUFF.8692 OS04T06842(x	TSS6108	1.772E-74	
chr4	TCONS_00064114	XLOC_057547	23050564	23050774	.	1	OS04G0461400	CUFF.8034 OS04T04614(i	TSS6117	9.352E-45	
chr4	TCONS_00064116	XLOC_057549	23518022	23518248	.	1	OS04G0470700	CUFF.8061 OS04T04707(i	TSS6117	7.057E-33	
chr4	TCONS_00065031	XLOC_057551	24517680	24517884	.	1	OS04G0490600	CUFF.1043 OS04T04906(i	TSS6118	1.19E-21	
chr5	TCONS_00065159	XLOC_057677	783047	783267	+	1	OS05G0114400	CUFF.8755 OS05T01144(x	TSS6131	0.075834	
chr5	TCONS_00072351	XLOC_057678	788650	788933	+	1	OS05G0114500	CUFF.1119 OS05T01145(x	TSS6131	2.542E-23	
chr5	TCONS_00065174	XLOC_057692	855011	855222	+	1	OS05G0115700	CUFF.8760 OS05T01157(i	TSS6132	3.529E-87	
chr5	TCONS_00065205	XLOC_057722	993708	994203	+	1	OS05G0119100	CUFF.8770 OS05T01191(x	TSS6136	2.507E-09	

chr5	TCONS_00065206	XLOC_057723	998433	998658	+	1	OS05G0119200	CUFF.8771	OS05T01192(i	TSS6136	4.08E-25	
chr5	TCONS_00072361	XLOC_057742	1156598	1158069	+	1	OS05G0121600	CUFF.1122	OS05T01216(x	TSS6138	0.61171	
chr5	TCONS_00065227	XLOC_057743	1159662	1160041	+	1	OS05G0121600	CUFF.8785	OS05T01216(x	TSS6138	1.427E-25	
chr5	TCONS_00065265	XLOC_057775	1493403	1493620	+	1	NA	CUFF.8788	NA	u	TSS6142	0.0077427
chr5	TCONS_00072367	XLOC_057779	1508545	1508746	+	1	NA	CUFF.1123	NA	u	TSS6142	7.048E-34
chr5	TCONS_00072369	XLOC_057815	1729075	1729504	+	1	OS05G0129700	CUFF.1125	OS05T01297(i	TSS6147	8.155E-21	
chr5	TCONS_00072393	XLOC_058006	3194552	3195027	+	1	OS05G0154600	CUFF.1134	OS05T01546(i	TSS6167	3.129E-15	
chr5	TCONS_00065524	XLOC_058021	3251676	3251949	+	1	OS05G0155500	CUFF.1135	OS05T01555(x	TSS6169	0.14652	
chr5	TCONS_00072399	XLOC_058037	3352203	3352409	+	1	OS05G0157300	CUFF.1136	OS05T01573(x	TSS6170	1.25E-16	
chr5	TCONS_00065589	XLOC_058095	3708469	3709065	+	1	NA	CUFF.8902	NA	u	TSS6176	7.614E-28
chr5	TCONS_00072411	XLOC_058095	3708598	3710731	+	1	NA	CUFF.1138	NA	u	TSS6177	0.0001683
chr5	TCONS_00072412	XLOC_058096	3713980	3714236	+	1	OS05G0163250	CUFF.1139	OS05T01632(i	TSS6177	5.961E-15	
chr5	TCONS_00072413	XLOC_058098	3734450	3734900	+	1	OS05G0163700	CUFF.1140	OS05T01637(i	TSS6177	4.824E-23	
chr5	TCONS_00065626	XLOC_058132	4093110	4093363	+	1	NCRNA_47089	CUFF.8913	NCRNA_470(x	TSS6180	2.014E-09	
chr5	TCONS_00065675	XLOC_058172	4455104	4455313	+	1	NA	CUFF.8925	NA	u	TSS6185	0
chr5	TCONS_00072417	XLOC_058193	4682593	4683245	+	1	IAA15	CUFF.1142	OS05T01786(i	TSS6187	1.326E-28	
chr5	TCONS_00072418	XLOC_058194	4683361	4683620	+	1	IAA15	CUFF.1143	OS05T01786(i	TSS6187	2.943E-20	
chr5	TCONS_00065709	XLOC_058206	4802165	4802453	+	1	NA	CUFF.8933	NA	u	TSS6188	5.848E-09
chr5	TCONS_00065722	XLOC_058220	4915219	4915451	+	1	NA	CUFF.8941	NA	u	TSS6190	3.533E-22
chr5	TCONS_00072422	XLOC_058222	4916145	4916524	+	1	NA	CUFF.1143	NA	u	TSS6190	2.303E-41
chr5	TCONS_00072423	XLOC_058223	4916620	4916857	+	1	NA	CUFF.1144	NA	u	TSS6190	6.883E-81
chr5	TCONS_00065735	XLOC_058236	4999103	4999340	+	1	OS05G0183100	CUFF.8954	OS05T01831(x	TSS6192	2.175E-38	
chr5	TCONS_00072428	XLOC_058263	5340241	5340490	+	1	HXK7	CUFF.1147	OS05T01871(i	TSS6195	3.69E-29	
chr5	TCONS_00065772	XLOC_058269	5394083	5394406	+	1	NA	CUFF.8959	NA	u	TSS6195	5.262E-22
chr5	TCONS_00072429	XLOC_058270	5397464	5397692	+	1	DER1	CUFF.1146	OS05T01878(i	TSS6195	5.418E-30	
chr5	TCONS_00072431	XLOC_058380	6474463	6474916	+	1	OS05G0203900	CUFF.1149	OS05T02039(i	TSS6207	2.654E-11	
chr5	TCONS_00065920	XLOC_058407	6725825	6726074	+	1	OS05G0208550	CUFF.8997	OS05T02085(i	TSS6210	3.452E-10	
chr5	TCONS_00072445	XLOC_058511	7644970	7645175	+	1	NA	CUFF.1152	NA	u	TSS6220	2.638E-18
chr5	TCONS_00066041	XLOC_058530	7779570	7779974	+	1	OS05G0228000	CUFF.9018	OS05T02280(i	TSS6222	0.0021045	
chr5	TCONS_00066056	XLOC_058545	7971283	7971787	+	1	NA	CUFF.9021	NA	u	TSS6224	0
chr5	TCONS_00072453	XLOC_058578	8528229	8528504	+	1	OS05G0240200	CUFF.1157	OS05T02402(i	TSS6227	2.216E-31	
chr5	TCONS_00066089	XLOC_058580	8533327	8533554	+	1	OS05G0240200	CUFF.9043	OS05T02402(i	TSS6227	2.524E-26	
chr5	TCONS_00072456	XLOC_058589	8584379	8584595	+	1	OS05G0241000	CUFF.1156	OS05T02410(x	TSS6228	2.248E-36	
chr5	TCONS_00072461	XLOC_058601	8759996	8760202	+	1	NA	CUFF.1156	NA	u	TSS6230	2.216E-26
chr5	TCONS_00066213	XLOC_058706	10119137	10120068	+	1	OS05G0261700	CUFF.9113	OS05T02617(i	TSS6240	1.263E-49	

chr5	TCONS_00072466	XLOC_058706	10118980	10119488	+	1	OS05G0261700	CUFF.1163	OS05T02617(i	TSS6240	0.0036549	
chr5	TCONS_00066214	XLOC_058707	10120479	10121495	+	1	OS05G0261700	CUFF.9114	OS05T02617(i	TSS6241	5.149E-64	
chr5	TCONS_00066216	XLOC_058707	10122570	10123243	+	1	OS05G0261700	CUFF.9116	OS05T02617(i	TSS6241	4.201E-23	
chr5	TCONS_00072468	XLOC_058707	10121131	10122674	+	1	OS05G0261700	CUFF.1164	OS05T02617(i	TSS6241	3.078E-25	
chr5	TCONS_00066286	XLOC_058777	11260645	11260935	+	1	NA	CUFF.9083	NA	u	TSS6248	1.029E-10
chr5	TCONS_00066369	XLOC_058857	12677504	12677860	+	1	OS05G0290400	CUFF.9110	OS05T02904(i	TSS6256	9.037E-25	
chr5	TCONS_00072477	XLOC_058891	13065239	13066959	+	1	ACC2	CUFF.1168	OS05T02953(x	TSS6260	0.083524	
chr5	TCONS_00066408	XLOC_058893	13067385	13067573	+	1	NA	CUFF.9135	NA	u	TSS6260	7.381E-39
chr5	TCONS_00072478	XLOC_058893	13067362	13067573	+	1	NA	CUFF.1168	NA	u	TSS6260	1.044E-29
chr5	TCONS_00072480	XLOC_058894	13068917	13069128	+	1	NA	CUFF.1165	NA	u	TSS6261	1.136E-14
chr5	TCONS_00072481	XLOC_058895	13070870	13071314	+	1	NA	CUFF.1165	NA	u	TSS6261	3.405E-06
chr5	TCONS_00072482	XLOC_058896	13071435	13071708	+	1	NA	CUFF.1166	NA	u	TSS6261	3.69E-29
chr5	TCONS_00066446	XLOC_058932	13375636	13375855	+	1	NA	CUFF.9143	NA	u	TSS6265	1.657E-47
chr5	TCONS_00066500	XLOC_058985	13846639	13847066	+	1	OS05G0306000	CUFF.9163	OS05T03060(i	TSS6270	7.236E-51	
chr5	TCONS_00066536	XLOC_059017	14262454	14262688	+	1	OS05G0311801	CUFF.9169	OS05T03118(x	TSS6274	2.144E-28	
chr5	TCONS_00066539	XLOC_059020	14294247	14294780	+	1	NCRNA_49957	CUFF.9180	NCRNA_499:x	TSS6274	1.198E-57	
chr5	TCONS_00072491	XLOC_059022	14302439	14302675	+	1	OS05G0312000	CUFF.1171	OS05T03120(i	TSS6274	5.765E-45	
chr5	TCONS_00072492	XLOC_059024	14307266	14307896	+	1	OS05G0312000	CUFF.1171	OS05T03120(i	TSS6274	1.739E-22	
chr5	TCONS_00072494	XLOC_059042	14498848	14499124	+	1	NA	CUFF.1171	NA	u	TSS6277	9.158E-23
chr5	TCONS_00072496	XLOC_059051	14588032	14588445	+	1	OS05G0316000	CUFF.1171	OS05T03160(x	TSS6277	1.173E-53	
chr5	TCONS_00072499	XLOC_059055	14599967	14600245	+	1	OS05G0316100	CUFF.1172	OS05T03161(x	TSS6278	5.418E-30	
chr5	TCONS_00072503	XLOC_059087	14902928	14903504	+	1	OS05G0320700	CUFF.1174	OS05T03207(i	TSS6281	7.736E-44	
chr5	TCONS_00066713	XLOC_059194	16020464	16020668	+	1	OS05G0341600	CUFF.9211	OS05T03416(x	TSS6292	0	
chr5	TCONS_00072508	XLOC_059230	16485417	16485785	+	1	NA	CUFF.1175	NA	u	TSS6296	6.821E-10
chr5	TCONS_00072514	XLOC_059272	16852225	16852459	+	1	OS05G0355300	CUFF.1178	OS05T03553(i	TSS6300	9.541E-18	
chr5	TCONS_00072516	XLOC_059297	17020349	17020623	+	1	OS05G0358500	CUFF.1179	OS05T03585(i	TSS6303	2.891E-35	
chr5	TCONS_00066813	XLOC_059300	17061177	17061395	+	1	OS05G0358700	CUFF.9247	OS05T03587(i	TSS6303	4.745E-28	
chr5	TCONS_00066853	XLOC_059334	17345218	17345882	+	1	OS05G0363200	CUFF.9267	OS05T03632(x	TSS6307	1.136E-27	
chr5	TCONS_00072519	XLOC_059335	17346255	17346629	+	1	OS05G0363200	CUFF.1181	OS05T03632(i	TSS6307	4.872E-05	
chr5	TCONS_00072521	XLOC_059343	17444781	17445120	+	1	OS05G0364500	CUFF.1180	OS05T03645(i	TSS6308	1.063E-19	
chr5	TCONS_00066889	XLOC_059368	17648448	17648679	+	1	OS05G0367400	CUFF.9260	OS05T03674(i	TSS6311	2.492E-17	
chr5	TCONS_00066926	XLOC_059404	17944459	17944662	+	1	OS05G0372400	CUFF.9268	OS05T03724(x	TSS6315	1.714E-86	
chr5	TCONS_00072532	XLOC_059427	18164965	18165420	+	1	OS05G0376300	CUFF.1186	OS05T03763(i	TSS6317	1.688E-45	
chr5	TCONS_00072533	XLOC_059443	18293445	18293698	+	1	NA	CUFF.1184	NA	u	TSS6319	1.991E-12
chr5	TCONS_00067048	XLOC_059522	18956495	18956718	+	1	NA	CUFF.9296	NA	u	TSS6327	3.518E-53

chr5	TCONS_00072536	XLOC_059529	19023795	19024018	+	1	OS05G0391600	CUFF.1188 OS05T03916(i	TSS6328	0.005791	
chr5	TCONS_00072537	XLOC_059530	19025051	19025572	+	1	OS05G0391600	CUFF.1188 OS05T03916(i	TSS6328	2.542E-23	
chr5	TCONS_00072538	XLOC_059531	19026080	19026305	+	1	OS05G0391600	CUFF.1188 OS05T03916(i	TSS6328	6.604E-06	
chr5	TCONS_00072541	XLOC_059535	19056151	19056410	+	1	OS05G0392000	CUFF.1188 OS05T03920(x	TSS6328	2.943E-20	
chr5	TCONS_00072546	XLOC_059542	19059205	19059930	+	1	NA	CUFF.1187 NA	u	TSS6329	9.542E-11
chr5	TCONS_00072550	XLOC_059546	19062773	19063185	+	1	NA	CUFF.1187 NA	u	TSS6330	5.961E-15
chr5	TCONS_00072553	XLOC_059557	19109864	19110268	+	1	OS05G0392700	CUFF.1188 OS05T03927(i	TSS6331	1.959E-24	
chr5	TCONS_00067071	XLOC_059558	19111736	19111951	+	1	OS05G0392700	CUFF.9312 OS05T03927(i	TSS6331	7.764E-53	
chr5	TCONS_00072556	XLOC_059583	19342309	19342582	+	1	OS05G0397650	CUFF.1189 OS05T03976(i	TSS6334	3.69E-29	
chr5	TCONS_00072558	XLOC_059619	19525637	19526146	+	1	OS05G0401500	CUFF.1190 OS05T04015(x	TSS6337	0.041676	
chr5	TCONS_00072559	XLOC_059620	19526248	19526535	+	1	NA	CUFF.1191 NA	u	TSS6338	2.647E-43
chr5	TCONS_00072562	XLOC_059625	19530120	19531013	+	1	NA	CUFF.1190 NA	u	TSS6338	2.676E-38
chr5	TCONS_00072563	XLOC_059626	19531166	19531776	+	1	NA	CUFF.1191 NA	u	TSS6338	9.239E-09
chr5	TCONS_00067148	XLOC_059635	19587808	19588050	+	1	NA	CUFF.9329 NA	u	TSS6339	3.698E-13
chr5	TCONS_00067149	XLOC_059637	19589555	19589821	+	1	OS05G0402300	CUFF.9331 OS05T04023(i	TSS6339	8.413E-63	
chr5	TCONS_00072567	XLOC_059648	19673994	19674196	+	1	NA	CUFF.1191 NA	u	TSS6340	1.339E-23
chr5	TCONS_00072568	XLOC_059656	19718049	19718339	+	1	NA	CUFF.1191 NA	u	TSS6341	2.981E-58
chr5	TCONS_00072572	XLOC_059705	20154118	20154417	+	1	NA	CUFF.1194 NA	u	TSS6347	1.814E-44
chr5	TCONS_00067230	XLOC_059713	20244598	20245178	+	1	OS05G0414100	CUFF.9351 OS05T04141(x	TSS6348	1.16E-25	
chr5	TCONS_00067232	XLOC_059715	20246968	20247217	+	1	NA	CUFF.9350 NA	u	TSS6348	0
chr5	TCONS_00067275	XLOC_059758	20579887	20580107	+	1	NA	CUFF.9359 NA	u	TSS6352	7.708E-37
chr5	TCONS_00067341	XLOC_059827	20945811	20946109	+	1	OS05G0427200	CUFF.9379 OS05T04272(x	TSS6359	1.825E-08	
chr5	TCONS_00072584	XLOC_059839	21051778	21051980	+	1	OS05G0429000	CUFF.1199 OS05T04290(i	TSS6361	2.869E-25	
chr5	TCONS_00067354	XLOC_059844	21099993	21100234	+	1	OS05G0429900	CUFF.9386 OS05T04299(x	TSS6361	2.074E-19	
chr5	TCONS_00067397	XLOC_059881	21424709	21424920	+	1	NA	CUFF.9396 NA	u	TSS6365	2.507E-69
chr5	TCONS_00067404	XLOC_059889	21459994	21460218	+	1	NA	CUFF.9402 NA	u	TSS6366	1.291E-45
chr5	TCONS_00067454	XLOC_059940	21943149	21943764	+	1	NCRNA_4316	CUFF.9412 NCRNA_431(x	TSS6372	1.207E-87	
chr5	TCONS_00072593	XLOC_059940	21943034	21943419	+	1	NA	CUFF.1201 NA	u	TSS6371	3.348E-32
chr5	TCONS_00067504	XLOC_059990	22308940	22309169	+	1	NA	CUFF.9427 NA	u	TSS6377	1.561E-32
chr5	TCONS_00072603	XLOC_060004	22432590	22432931	+	1	NA	CUFF.1204 NA	u	TSS6379	8.061E-36
chr5	TCONS_00067523	XLOC_060009	22441890	22442154	+	1	OS05G0456925	CUFF.1204 OS05T04569(x	TSS6379	4.293E-21	
chr5	TCONS_00072607	XLOC_060038	22627568	22627770	+	1	RIBA3	CUFF.1206 OS05T04606(x	TSS6382	1.387E-18	
chr5	TCONS_00072609	XLOC_060045	22655773	22655978	+	1	NA	CUFF.1205 NA	u	TSS6383	5.443E-25
chr5	TCONS_00072614	XLOC_060067	22779047	22779623	+	1	OS05G0463900	CUFF.1208 OS05T04639(x	TSS6385	2.345E-12	
chr5	TCONS_00072615	XLOC_060068	22780625	22780987	+	1	NA	CUFF.1206 NA	u	TSS6385	2.869E-25

chr5	TCONS_00072616	XLOC_060069	22781333	22781700	+	1	NA	CUFF.1207 NA	u	TSS6385	5.443E-25
chr5	TCONS_00067580	XLOC_060070	22782065	22782632	+	1	OS05G0464001	CUFF.9453 OS05T04640(x		TSS6386	4.16E-27
chr5	TCONS_00072618	XLOC_060070	22782287	22782949	+	1	OS05G0464001	CUFF.1208 OS05T04640(x		TSS6386	3.856E-73
chr5	TCONS_00072619	XLOC_060072	22783470	22783851	+	1	NA	CUFF.1207 NA	u	TSS6386	6.57E-17
chr5	TCONS_00072624	XLOC_060079	22800282	22800589	+	1	NA	CUFF.1207 NA	u	TSS6387	1.19E-21
chr5	TCONS_00067602	XLOC_060098	22904781	22904993	+	1	OS05G0466700	CUFF.9458 OS05T04667(x		TSS6389	1.941E-67
chr5	TCONS_00067652	XLOC_060151	23276620	23277067	+	1	OS05G0473900	CUFF.9476 OS05T04739(x		TSS6394	1.287E-56
chr5	TCONS_00067653	XLOC_060152	23277392	23277621	+	1	OS05G0473900	CUFF.9477 OS05T04739(i		TSS6394	0
chr5	TCONS_00072638	XLOC_060170	23358580	23359340	+	1	OS05G0475475	CUFF.1213 OS05T04754(i		TSS6396	6.269E-37
chr5	TCONS_00072641	XLOC_060202	23483914	23484324	+	1	NCRNA_38796	CUFF.1212 NCRNA_387(x		TSS6399	2.638E-18
chr5	TCONS_00067728	XLOC_060226	23664485	23664710	+	1	OS05G0481400	CUFF.9499 OS05T04814(i		TSS6402	2.306E-10
chr5	TCONS_00067729	XLOC_060227	23674130	23674469	+	1	OS05G0481500	CUFF.9490 OS05T04815(x		TSS6402	1.279E-73
chr5	TCONS_00072643	XLOC_060227	23674388	23675216	+	1	OS05G0481500	CUFF.1212 OS05T04815(i		TSS6402	2.547E-10
chr5	TCONS_00067767	XLOC_060265	23991540	23991742	+	1	OS05G0487600	CUFF.9500 OS05T04876(i		TSS6406	0
chr5	TCONS_00072653	XLOC_060287	24109103	24109712	+	1	OS05G0490500	CUFF.1215 OS05T04905(x		TSS6408	0.11113
chr5	TCONS_00072655	XLOC_060292	24134373	24134624	+	1	CAM2	CUFF.1216 OS05T04911(i		TSS6409	2.542E-23
chr5	TCONS_00067815	XLOC_060315	24323274	24323557	+	1	OS05G0495250	CUFF.9523 OS05T04952(x		TSS6411	0
chr5	TCONS_00072661	XLOC_060332	24454009	24454403	+	1	NA	CUFF.1218 NA	u	TSS6413	3.56E-10
chr5	TCONS_00072667	XLOC_060353	24542341	24542587	+	1	NA	CUFF.1219 NA	u	TSS6416	7.959E-31
chr5	TCONS_00067856	XLOC_060361	24591328	24591546	+	1	OS05G0499500	CUFF.9543 OS05T04995(i		TSS6417	4.391E-34
chr5	TCONS_00072671	XLOC_060381	24673200	24673406	+	1	NA	CUFF.1220 NA	u	TSS6419	1.19E-21
chr5	TCONS_00072672	XLOC_060395	24763506	24763752	+	1	SCAMP3	CUFF.1221 OS05T05030(i		TSS6420	6.821E-10
chr5	TCONS_00067915	XLOC_060420	25020708	25020914	+	1	NA	CUFF.9557 NA	u	TSS6422	2.175E-38
chr5	TCONS_00072676	XLOC_060463	25333816	25334019	+	1	OS05G0511400	CUFF.1224 OS05T05114(i		TSS6427	1.399E-43
chr5	TCONS_00072677	XLOC_060464	25337511	25337980	+	1	OS05G0511400	CUFF.1225 OS05T05114(i		TSS6427	9.541E-18
chr5	TCONS_00067968	XLOC_060471	25390377	25390605	+	1	NA	CUFF.9570 NA	u	TSS6428	9.037E-25
chr5	TCONS_00072682	XLOC_060554	26096791	26097053	+	1	OS05G0524200	CUFF.1227 OS05T05242(x		TSS6437	6.569E-08
chr5	TCONS_00072685	XLOC_060585	26242371	26242631	+	1	OS05G0528000	CUFF.1229 OS05T05280(x		TSS6440	6.174E-32
chr5	TCONS_00072686	XLOC_060586	26242717	26243000	+	1	OS05G0528000	CUFF.1229 OS05T05280(x		TSS6440	0.024257
chr5	TCONS_00068089	XLOC_060588	26252422	26252628	+	1	NA	CUFF.9600 NA	u	TSS6440	8.261E-17
chr5	TCONS_00072687	XLOC_060592	26280613	26280955	+	1	OS05G0529000	CUFF.1228 OS05T05290(x		TSS6441	1.131E-49
chr5	TCONS_00072696	XLOC_060690	26904662	26904882	+	1	OS05G0541900	CUFF.1417 OS05T05419(i		TSS6451	1.256E-46
chr5	TCONS_00068197	XLOC_060693	26916336	26916565	+	1	OS05G0542200	CUFF.9633 OS05T05422(i		TSS6452	9.587E-28
chr5	TCONS_00072698	XLOC_060709	26969164	26969398	+	1	OS05G0543400	CUFF.1426 OS05T05434(i		TSS6453	7.264E-12
chr5	TCONS_00072700	XLOC_060735	27179325	27179658	+	1	OS05G0547850	CUFF.1436 OS05T05478(x		TSS6456	1.361E-38

chr5	TCONS_00072701	XLOC_060736	27180666	27181072	+	1	OS05G0547850	CUFF.1437 OS05T054785(i	TSS6456	3.396E-42
chr5	TCONS_00068272	XLOC_060765	27355471	27355677	+	1	OS05G0550700	CUFF.9651 OS05T055070(i	TSS6459	0
chr5	TCONS_00068284	XLOC_060777	27453483	27453722	+	1	OS05G0552100	CUFF.9656 OS05T055210(i	TSS6460	3.46E-27
chr5	TCONS_00068290	XLOC_060783	27497982	27498182	+	1	NA	CUFF.9660 NA u	TSS6461	0
chr5	TCONS_00072709	XLOC_060829	27731092	27731507	+	1	OS05G0557500	CUFF.1233 OS05T055750(x	TSS6466	4.872E-56
chr5	TCONS_00072710	XLOC_060831	27746765	27747164	+	1	OS05G0557700	CUFF.1233 OS05T055770(i	TSS6466	1.569E-09
chr5	TCONS_00068371	XLOC_060865	27984168	27984625	+	1	NA	CUFF.9703 NA u	TSS6470	4.493E-38
chr5	TCONS_00072718	XLOC_060871	28006966	28007278	+	1	OS05G0563050	CUFF.1236 OS05T056305(x	TSS6470	0.000541
chr5	TCONS_00068385	XLOC_060880	28060556	28060777	+	1	NA	CUFF.9704 NA u	TSS6471	0
chr5	TCONS_00068387	XLOC_060882	28071003	28071208	+	1	NA	CUFF.9706 NA u	TSS6471	6.786E-89
chr5	TCONS_00068410	XLOC_060903	28193225	28193434	+	1	MPK7	CUFF.9719 OS05T056640(i	TSS6474	1.594E-53
chr5	TCONS_00072724	XLOC_060907	28208019	28208423	+	1	NA	CUFF.1237 NA u	TSS6474	7.048E-34
chr5	TCONS_00068429	XLOC_060925	28314223	28314454	+	1	NA	CUFF.9720 NA u	TSS6476	2.074E-19
chr5	TCONS_00072729	XLOC_060926	28314737	28315056	+	1	NA	CUFF.1238 NA u	TSS6476	4.257E-36
chr5	TCONS_00072733	XLOC_060978	28743393	28743622	+	1	NA	CUFF.1240 NA u	TSS6482	1.583E-71
chr5	TCONS_00068501	XLOC_060999	28890825	28891032	+	1	OS05G0580500	CUFF.9736 OS05T058050(i	TSS6484	0
chr5	TCONS_00072739	XLOC_061002	28905815	28906182	+	1	OS05G0580900	CUFF.1241 OS05T058090(x	TSS6485	5.596E-40
chr5	TCONS_00072741	XLOC_061003	28907282	28907838	+	1	OS05G0580900	CUFF.1242 OS05T058090(i	TSS6485	6.994E-29
chr5	TCONS_00068505	XLOC_061004	28909155	28909375	+	1	OS05G0580900	CUFF.9745 OS05T058090(i	TSS6485	7.708E-37
chr5	TCONS_00068536	XLOC_061031	29069084	29069412	+	1	OS05G0584200	CUFF.9752 OS05T058420(x	TSS6488	2.58E-41
chr5	TCONS_00072745	XLOC_061045	29160857	29161115	+	1	OS05G0585900	CUFF.1244 OS05T058590(i	TSS6489	3.414E-08
chr5	TCONS_00068567	XLOC_061063	29298876	29299105	+	1	NA	CUFF.9758 NA u	TSS6491	1.594E-22
chr5	TCONS_00072752	XLOC_061105	29548420	29548702	+	1	OS05G0593100	CUFF.1246 OS05T059310(x	TSS6496	4.53E-16
chr5	TCONS_00072754	XLOC_061109	29562731	29562946	+	1	NA	CUFF.1246 NA u	TSS6496	0.022447
chr5	TCONS_00068692	XLOC_061179	222462	222801	-	1	OS05G0104100	CUFF.8734 OS05T010410(x	TSS6504	2.144E-28
chr5	TCONS_00068720	XLOC_061205	418456	418670	-	1	OS05G0107300	CUFF.8742 OS05T010730(x	TSS6507	1.839E-35
chr5	TCONS_00072762	XLOC_061216	489618	489948	-	1	NA	CUFF.1117 NA u	TSS6508	2.377E-46
chr5	TCONS_00068731	XLOC_061220	493164	493481	-	1	OS05G0108800	CUFF.8753 OS05T010880(x	TSS6508	0
chr5	TCONS_00068788	XLOC_061274	927898	928107	-	1	OS05G0117600	CUFF.8767 OS05T011760(i	TSS6514	1.287E-56
chr5	TCONS_00072768	XLOC_061275	933639	934334	-	1	OS05G0117600	CUFF.1121 OS05T011760(x	TSS6514	9.077E-33
chr5	TCONS_00072772	XLOC_061298	1082655	1083016	-	1	NA	CUFF.1121 NA u	TSS6517	3.414E-08
chr5	TCONS_00072774	XLOC_061322	1285335	1285570	-	1	OS05G0123100	CUFF.1123 OS05T012310(x	TSS6519	5.476E-35
chr5	TCONS_00068839	XLOC_061323	1293104	1293329	-	1	OS05G0123200	CUFF.8787 OS05T012320(i	TSS6519	5.553E-31
chr5	TCONS_00072775	XLOC_061336	1427309	1427538	-	1	SIZ1	CUFF.1124 OS05T012500(i	TSS6520	1.739E-22
chr5	TCONS_00068877	XLOC_061363	1647782	1647998	-	1	NA	CUFF.8796 NA u	TSS6523	9.83E-24

chr5	TCONS_00072779	XLOC_061363	1647832	1648150	-	1	NA	CUFF.1123 NA	u	TSS6523	2.015E-57
chr5	TCONS_00068886	XLOC_061371	1706688	1706975	-	1	OS05G0129100	CUFF.8805 OS05T01291(x		TSS6524	1.03E-46
chr5	TCONS_00068930	XLOC_061408	2012853	2013122	-	1	OS05G0134400	CUFF.8816 OS05T01344(i		TSS6528	1.827E-30
chr5	TCONS_00068938	XLOC_061416	2089182	2090291	-	1	SAM1	CUFF.8881 OS05T01357(i		TSS6529	1.534E-16
chr5	TCONS_00072784	XLOC_061419	2096757	2097136	-	1	OS05G0135800	CUFF.1127 OS05T01358(i		TSS6529	6.568E-33
chr5	TCONS_00068941	XLOC_061420	2097829	2098058	-	1	OS05G0135800	CUFF.8831 OS05T01358(i		TSS6529	3.734E-31
chr5	TCONS_00068947	XLOC_061427	2145611	2146278	-	1	OS05G0136900	CUFF.8822 OS05T01369(i		TSS6530	4.222E-82
chr5	TCONS_00068948	XLOC_061428	2146740	2147046	-	1	OS05G0136900	CUFF.8823 OS05T01369(i		TSS6530	4.488E-72
chr5	TCONS_00068949	XLOC_061429	2147182	2147695	-	1	OS05G0136900	CUFF.8824 OS05T01369(i		TSS6530	9.416E-28
chr5	TCONS_00068950	XLOC_061430	2148226	2148615	-	1	OS05G0136900	CUFF.8825 OS05T01369(i		TSS6530	4.042E-30
chr5	TCONS_00068976	XLOC_061456	2334037	2334244	-	1	OS05G0140500	CUFF.8835 OS05T01405(x		TSS6533	0
chr5	TCONS_00072793	XLOC_061494	2506934	2507291	-	1	OS05G0143400	CUFF.1129 OS05T01434(x		TSS6537	2.497E-05
chr5	TCONS_00069015	XLOC_061495	2512077	2512656	-	1	OS05G0143500	CUFF.8850 OS05T01435(i		TSS6537	8.252E-13
chr5	TCONS_00069023	XLOC_061502	2536830	2537366	-	1	NA	CUFF.8840 NA	u	TSS6538	1.18E-66
chr5	TCONS_00069059	XLOC_061538	2794714	2794923	-	1	OS05G0148800	CUFF.8853 OS05T01488(x		TSS6542	5.157E-70
chr5	TCONS_00069065	XLOC_061544	2809951	2810152	-	1	NA	CUFF.8854 NA	u	TSS6542	0
chr5	TCONS_00072804	XLOC_061573	2963259	2963460	-	1	NA	CUFF.1133 NA	u	TSS6545	6.268E-22
chr5	TCONS_00072805	XLOC_061599	3204113	3204322	-	1	NA	CUFF.1133 NA	u	TSS6549	8.51E-46
chr5	TCONS_00069132	XLOC_061603	3209136	3209372	-	1	OS05G0154700	CUFF.8883 OS05T01547(i		TSS6549	1.345E-24
chr5	TCONS_00069146	XLOC_061616	3270836	3271040	-	1	NA	CUFF.8878 NA	u	TSS6551	0
chr5	TCONS_00069154	XLOC_061623	3306992	3307203	-	1	OS05G0156500	CUFF.8886 OS05T01565(x		TSS6552	3.406E-59
chr5	TCONS_00069157	XLOC_061626	3323855	3324283	-	1	OS05G0156800	CUFF.8888 OS05T01568(i		TSS6552	2.58E-41
chr5	TCONS_00072821	XLOC_061699	3842214	3842576	-	1	OS05G0165400	CUFF.1139 OS05T01654(x		TSS6560	0.0003675
chr5	TCONS_00072822	XLOC_061718	4076055	4076257	-	1	OS05G0167600	CUFF.1140 OS05T01676(x		TSS6562	1.501E-13
chr5	TCONS_00072826	XLOC_061750	4250130	4250330	-	1	NA	CUFF.1141 NA	u	TSS6565	3.249E-27
chr5	TCONS_00072827	XLOC_061753	4303247	4303471	-	1	OS05G0171900	CUFF.1142 OS05T01719(i		TSS6566	5.592E-20
chr5	TCONS_00072831	XLOC_061815	4870804	4871261	-	1	NA	CUFF.1143 NA	u	TSS6572	1.184E-26
chr5	TCONS_00069351	XLOC_061816	4871464	4871695	-	1	NA	CUFF.8937 NA	u	TSS6572	1.078E-87
chr5	TCONS_00069423	XLOC_061885	5336786	5337000	-	1	OS05G0187000	CUFF.8961 OS05T01870(x		TSS6579	1.54E-48
chr5	TCONS_00069590	XLOC_062041	6826151	6826398	-	1	OS05G0210100	CUFF.8994 OS05T02101(i		TSS6596	1.804E-06
chr5	TCONS_00069623	XLOC_062074	7067896	7068107	-	1	NA	CUFF.8998 NA	u	TSS6599	8.074E-47
chr5	TCONS_00072847	XLOC_062119	7436307	7436530	-	1	OS05G0220900	CUFF.1152 OS05T02209(i		TSS6603	1.508E-53
chr5	TCONS_00072848	XLOC_062177	8001729	8002037	-	1	TIP4-1	CUFF.1154 OS05T02317(i		TSS6609	0.0014412
chr5	TCONS_00069733	XLOC_062181	8034460	8034700	-	1	OS05G0232500	CUFF.9034 OS05T02325(i		TSS6610	3.533E-22
chr5	TCONS_00069734	XLOC_062182	8034933	8035536	-	1	OS05G0232500	CUFF.9035 OS05T02325(i		TSS6610	4.403E-78

chr5	TCONS_00072851	XLOC_062199	8265900	8266213	-	1	NA	CUFF.1154	NA	u	TSS6612	1.204E-17
chr5	TCONS_00069775	XLOC_062229	8442219	8442540	-	1	OS05G0238200	CUFF.9038	OS05T02382(i		TSS6615	0
chr5	TCONS_00069776	XLOC_062230	8442728	8442941	-	1	OS05G0238200	CUFF.9040	OS05T02382(i		TSS6615	0
chr5	TCONS_00069865	XLOC_062310	9432866	9433105	-	1	OS05G0255600	CUFF.9056	OS05T02556(i		TSS6623	4.08E-25
chr5	TCONS_00072865	XLOC_062318	9467769	9468108	-	1	OS05G0256100	CUFF.1159	OS05T02561(i		TSS6624	3.796E-39
chr5	TCONS_00072868	XLOC_062322	9525022	9525450	-	1	OS05G0256500	CUFF.1159	OS05T02565(x		TSS6624	1.733E-38
chr5	TCONS_00069879	XLOC_062329	9586533	9586917	-	1	OS05G0257100	CUFF.9067	OS05T02571(i		TSS6625	2.346E-37
chr5	TCONS_00072872	XLOC_062340	9644315	9644608	-	1	NA	CUFF.1159	NA	u	TSS6626	9.091E-30
chr5	TCONS_00069894	XLOC_062344	9649174	9649377	-	1	OS05G0258400	CUFF.9085	OS05T02584(i		TSS6627	3.091E-66
chr5	TCONS_00072875	XLOC_062371	10233274	10233690	-	1	OS05G0263100	CUFF.1160	OS05T02631(i		TSS6630	1.399E-43
chr5	TCONS_00069923	XLOC_062372	10235029	10235532	-	1	OS05G0263100	CUFF.9091	OS05T02631(i		TSS6630	3.096E-37
chr5	TCONS_00072876	XLOC_062373	10236281	10236682	-	1	OS05G0263100	CUFF.1161	OS05T02631(i		TSS6630	0.10606
chr5	TCONS_00072877	XLOC_062374	10237103	10238031	-	1	OS05G0263100	CUFF.1161	OS05T02631(i		TSS6630	3.173E-07
chr5	TCONS_00072878	XLOC_062375	10238232	10238835	-	1	OS05G0263100	CUFF.1161	OS05T02631(i		TSS6630	5.463E-13
chr5	TCONS_00072879	XLOC_062376	10239443	10240078	-	1	OS05G0263100	CUFF.1161	OS05T02631(i		TSS6630	6.17E-26
chr5	TCONS_00072887	XLOC_062485	11673051	11673462	-	1	OS05G0279600	CUFF.1163	OS05T02796(i		TSS6642	3.69E-29
chr5	TCONS_00072888	XLOC_062487	11676112	11676313	-	1	OS05G0279600	CUFF.1163	OS05T02796(i		TSS6642	2.943E-20
chr5	TCONS_00070054	XLOC_062500	12000361	12000609	-	1	NCRNA_34880	CUFF.9104	NCRNA_3488(x		TSS6643	8.457E-80
chr5	TCONS_00072889	XLOC_062532	12453324	12453548	-	1	NA	CUFF.1164	NA	u	TSS6646	9.482E-43
chr5	TCONS_00072890	XLOC_062533	12454747	12455348	-	1	OS05G0287800	CUFF.1164	OS05T02878(i		TSS6646	1.501E-13
chr5	TCONS_00072895	XLOC_062578	12996817	12997039	-	1	NA	CUFF.1165	NA	u	TSS6651	7.869E-14
chr5	TCONS_00072896	XLOC_062580	13039893	13040237	-	1	OS05G0295100	CUFF.1166	OS05T02951(i		TSS6651	2.139E-49
chr5	TCONS_00072897	XLOC_062581	13040546	13040754	-	1	OS05G0295100	CUFF.1166	OS05T02951(i		TSS6651	9.482E-43
chr5	TCONS_00072900	XLOC_062628	13536680	13536939	-	1	OS05G0301600	CUFF.1168	OS05T03016(i		TSS6656	4.766E-28
chr5	TCONS_00070181	XLOC_062629	13537590	13537792	-	1	OS05G0301600	CUFF.9151	OS05T03016(i		TSS6656	0
chr5	TCONS_00072901	XLOC_062630	13538450	13539180	-	1	OS05G0301600	CUFF.1169	OS05T03016(i		TSS6656	6.268E-22
chr5	TCONS_00072902	XLOC_062631	13539839	13540182	-	1	OS05G0301600	CUFF.1169	OS05T03016(i		TSS6657	1.549E-20
chr5	TCONS_00072903	XLOC_062633	13554940	13555353	-	1	NA	CUFF.1168	NA	u	TSS6657	5.961E-15
chr5	TCONS_00072906	XLOC_062665	13778281	13778564	-	1	OS05G0305100	CUFF.1169	OS05T03051(x		TSS6660	7.869E-14
chr5	TCONS_00070237	XLOC_062688	14177779	14177998	-	1	NA	CUFF.9164	NA	u	TSS6663	2.998E-39
chr5	TCONS_00070258	XLOC_062707	14409078	14409430	-	1	OS05G0313500	CUFF.9176	OS05T03135(x		TSS6665	3.233E-38
chr5	TCONS_00070267	XLOC_062716	14513077	14513290	-	1	OS05G0315200	CUFF.9181	OS05T03152(i		TSS6666	5.54E-17
chr5	TCONS_00072910	XLOC_062728	14689076	14689293	-	1	OS05G0317200	CUFF.1172	OS05T03172(i		TSS6667	4.359E-41
chr5	TCONS_00070309	XLOC_062758	15046420	15046625	-	1	NA	CUFF.9193	NA	u	TSS6670	0
chr5	TCONS_00072916	XLOC_062759	15047694	15047923	-	1	SODA	CUFF.1174	OS05T03239(i		TSS6670	6.428E-42

chr5	TCONS_00070310	XLOC_062760	15048585	15048792	-	1	SODA	CUFF.9197 OS05T03239(i	TSS6670	0
chr5	TCONS_00072923	XLOC_062880	16112261	16112621	-	1	NA	CUFF.1175 NA u	TSS6683	1.512E-25
chr5	TCONS_00070440	XLOC_062884	16152746	16153283	-	1	NA	CUFF.9219 NA u	TSS6683	0.0023903
chr5	TCONS_00070513	XLOC_062953	16761624	16761911	-	1	NA	CUFF.9225 NA u	TSS6690	0.023073
chr5	TCONS_00072929	XLOC_062953	16761481	16761551	-	1	NA	CUFF.1177 NA u	TSS6690	5E-14
chr5	TCONS_00072932	XLOC_062972	16929197	16929549	-	1	OS05G0357200	CUFF.1178 OS05T03572(i	TSS6692	3.839E-19
chr5	TCONS_00072934	XLOC_063010	17338754	17339127	-	1	OS05G0363100	CUFF.1180 OS05T03631(i	TSS6697	2.996E-69
chr5	TCONS_00070588	XLOC_063022	17452078	17452301	-	1	OS05G0364600	CUFF.9252 OS05T03646(i	TSS6698	1.827E-30
chr5	TCONS_00072939	XLOC_063046	17681033	17681326	-	1	OS05G0368100	CUFF.1181 OS05T03681(x	TSS6700	9.234E-38
chr5	TCONS_00072940	XLOC_063091	17997696	17997987	-	1	OS05G0373400	CUFF.1183 OS05T03734(i	TSS6705	7.056E-24
chr5	TCONS_00072942	XLOC_063095	18012537	18012786	-	1	OS05G0373700	CUFF.1184 OS05T03737(i	TSS6706	1.363E-56
chr5	TCONS_00070670	XLOC_063102	18048378	18048584	-	1	OS05G0374500	CUFF.9273 OS05T03745(x	TSS6706	2.27E-40
chr5	TCONS_00072944	XLOC_063104	18055753	18056020	-	1	OS05G0374600	CUFF.1183 OS05T03746(x	TSS6706	4.257E-36
chr5	TCONS_00072946	XLOC_063133	18355138	18355500	-	1	NA	CUFF.1184 NA u	TSS6710	7.869E-14
chr5	TCONS_00072947	XLOC_063141	18448099	18448368	-	1	NA	CUFF.1184 NA u	TSS6711	2.514E-28
chr5	TCONS_00072949	XLOC_063189	18786218	18786423	-	1	OS05G0388400	CUFF.1186 OS05T03884(x	TSS6716	1.25E-16
chr5	TCONS_00070802	XLOC_063227	19119862	19120204	-	1	OS05G0393100	CUFF.9316 OS05T03931(i	TSS6720	0
chr5	TCONS_00070803	XLOC_063228	19121159	19121374	-	1	OS05G0393100	CUFF.9319 OS05T03931(i	TSS6720	1.736E-41
chr5	TCONS_00070840	XLOC_063264	19492901	19493103	-	1	OS05G0400800	CUFF.9330 OS05T04008(i	TSS6723	0
chr5	TCONS_00070865	XLOC_063289	19773025	19773269	-	1	OS05G0405900	CUFF.9348 OS05T04059(i	TSS6726	9.093E-16
chr5	TCONS_00072956	XLOC_063289	19772823	19773133	-	1	OS05G0405900	CUFF.1193 OS05T04059(i	TSS6726	1.72E-32
chr5	TCONS_00072959	XLOC_063311	19895785	19896032	-	1	OS05G0407900	CUFF.1193 OS05T04079(i	TSS6728	7.959E-31
chr5	TCONS_00072961	XLOC_063315	19931470	19931868	-	1	SPL9	CUFF.1193 OS05T04082(i	TSS6729	8.779E-14
chr5	TCONS_00070931	XLOC_063356	20260301	20261929	-	1	OS05G0414200	CUFF.9356 OS05T04142(x	TSS6733	2.887E-51
chr5	TCONS_00072970	XLOC_063388	20480427	20480691	-	1	OS05G0418000	CUFF.1196 OS05T04180(i	TSS6737	4.293E-21
chr5	TCONS_00072971	XLOC_063407	20631513	20631791	-	1	CC-1	CUFF.1197 OS05T04206(i	TSS6739	7.869E-14
chr5	TCONS_00072973	XLOC_063410	20636884	20637084	-	1	OS05G0420750	CUFF.1196 OS05T04207(i	TSS6739	3.301E-22
chr5	TCONS_00072974	XLOC_063414	20664072	20664344	-	1	OS05G0421300	CUFF.1197 OS05T04213(i	TSS6739	1.61E-45
chr5	TCONS_00072975	XLOC_063416	20679180	20679381	-	1	OS05G0421600	CUFF.1197 OS05T04216(x	TSS6740	2.448E-64
chr5	TCONS_00072979	XLOC_063438	20848765	20848966	-	1	OS05G0425700	CUFF.1198 OS05T04257(i	TSS6742	2.943E-20
chr5	TCONS_00071062	XLOC_063485	21196854	21197092	-	1	NA	CUFF.9390 NA u	TSS6747	3.764E-36
chr5	TCONS_00072984	XLOC_063513	21413882	21414155	-	1	OS05G0437200	CUFF.1200 OS05T04372(x	TSS6750	4.047E-49
chr5	TCONS_00071136	XLOC_063561	21718164	21718368	-	1	NA	CUFF.9407 NA u	TSS6756	0
chr5	TCONS_00072995	XLOC_063603	22157020	22157327	-	1	PHT4	CUFF.1203 OS05T04511(i	TSS6760	1.549E-20
chr5	TCONS_00072996	XLOC_063610	22198508	22198785	-	1	NCRNA_39557	CUFF.1203 NCRNA_395:x	TSS6761	6.563E-06

chr5	TCONS_00073000	XLOC_063637	22426556	22426762	-	1	OS05G0456500	CUFF.1204	OS05T04565(x	TSS6764	5.592E-20	
chr5	TCONS_00071223	XLOC_063644	22482511	22482744	-	1	OS05G0457800	CUFF.9438	OS05T04578(i	TSS6765	1.432E-49	
chr5	TCONS_00073002	XLOC_063662	22619316	22619516	-	1	OS05G0460200	CUFF.1206	OS05T04602(x	TSS6766	3.249E-27	
chr5	TCONS_00071269	XLOC_063687	22766012	22767017	-	1	OS05G0463500	CUFF.9449	OS05T04635(x	TSS6769	9.882E-21	
chr5	TCONS_00071308	XLOC_063724	23010964	23011172	-	1	AMT2-1	CUFF.9462	OS05T04687(x	TSS6773	4.81E-71	
chr5	TCONS_00071332	XLOC_063745	23206969	23207402	-	1	OS05G0472400	CUFF.9474	OS05T04724(i	TSS6775	1.3E-29	
chr5	TCONS_00071333	XLOC_063747	23213971	23214184	-	1	NA	CUFF.9467	NA	u	TSS6776	2.074E-19
chr5	TCONS_00071344	XLOC_063757	23287237	23287455	-	1	NA	CUFF.9473	NA	u	TSS6777	4.606E-19
chr5	TCONS_00071379	XLOC_063789	23509360	23509599	-	1	NA	CUFF.9484	NA	u	TSS6780	0.012046
chr5	TCONS_00073014	XLOC_063819	23729454	23729677	-	1	CYP714D1	CUFF.1212	OS05T04824(i	TSS6783	9.036E-28	
chr5	TCONS_00073017	XLOC_063854	23979764	23979964	-	1	NA	CUFF.1213	NA	u	TSS6787	6.994E-29
chr5	TCONS_00073024	XLOC_063906	24272034	24272271	-	1	OS05G0494000	CUFF.1217	OS05T04940(i	TSS6792	4.211E-62	
chr5	TCONS_00073028	XLOC_063916	24303212	24303691	-	1	NA	CUFF.1216	NA	u	TSS6793	5.222E-10
chr5	TCONS_00073030	XLOC_063921	24306533	24307701	-	1	NA	CUFF.1217	NA	u	TSS6794	0.010087
chr5	TCONS_00071520	XLOC_063929	24354082	24354101	-	1	NA	CUFF.9526	NA	u	TSS6795	0.61467
chr5	TCONS_00073032	XLOC_063929	24353952	24354451	-	1	OS05G0495600	CUFF.1218	OS05T04956(x	TSS6795	2.216E-26	
chr5	TCONS_00071523	XLOC_063933	24362060	24362282	-	1	NA	CUFF.9527	NA	u	TSS6795	1.159E-09
chr5	TCONS_00073034	XLOC_063934	24372715	24373091	-	1	OS05G0495900	CUFF.1219	OS05T04959(i	TSS6795	5.596E-40	
chr5	TCONS_00073035	XLOC_063942	24422880	24423110	-	1	OS05G0497150	CUFF.1218	OS05T04971(x	TSS6796	4.498E-46	
chr5	TCONS_00073038	XLOC_063980	24697560	24697789	-	1	OS05G0501700	CUFF.1221	OS05T05017(i	TSS6800	1.441E-74	
chr5	TCONS_00071588	XLOC_063997	24862691	24863101	-	1	NA	CUFF.9549	NA	u	TSS6802	4.872E-51
chr5	TCONS_00073039	XLOC_064016	25004421	25004884	-	1	NA	CUFF.1222	NA	u	TSS6804	0.0001868
chr5	TCONS_00073041	XLOC_064018	25009738	25009961	-	1	OS05G0506200	CUFF.1222	OS05T05062(x	TSS6804	1.508E-53	
chr5	TCONS_00071622	XLOC_064030	25182904	25183120	-	1	OS05G0508700	CUFF.9573	OS05T05087(x	TSS6805	5.156E-70	
chr5	TCONS_00071624	XLOC_064032	25186725	25186954	-	1	NA	CUFF.9576	NA	u	TSS6806	6.863E-19
chr5	TCONS_00073051	XLOC_064082	25530813	25531305	-	1	OS05G0514800	CUFF.1225	OS05T05148(x	TSS6811	6.57E-17	
chr5	TCONS_00073053	XLOC_064091	25631755	25632147	-	1	OS05G0516900	CUFF.1226	OS05T05169(x	TSS6812	9.158E-23	
chr5	TCONS_00073055	XLOC_064101	25714436	25714789	-	1	NA	CUFF.1226	NA	u	TSS6813	6.161E-27
chr5	TCONS_00071731	XLOC_064132	26021322	26021613	-	1	HXK5	CUFF.9623	OS05T05225(x	TSS6817	2.58E-41	
chr5	TCONS_00071823	XLOC_064217	26537091	26537297	-	1	CBL4	CUFF.9611	OS05T05344(x	TSS6826	0	
chr5	TCONS_00073074	XLOC_064260	26823167	26823434	-	1	NA	CUFF.1413	NA	u	TSS6831	1.069E-70
chr5	TCONS_00071889	XLOC_064283	26933197	26933440	-	1	OS05G0542600	CUFF.9631	OS05T05426(x	TSS6834	2.962E-08	
chr5	TCONS_00073082	XLOC_064301	27088670	27089037	-	1	NA	CUFF.1431	NA	u	TSS6836	8.602E-50
chr5	TCONS_00071906	XLOC_064302	27096350	27096582	-	1	OS05G0545600	CUFF.9638	OS05T05456(i	TSS6836	8.316E-26	
chr5	TCONS_00071913	XLOC_064310	27172560	27172862	-	1	NA	CUFF.9641	NA	u	TSS6837	0

chr5	TCONS_00071940	XLOC_064338	27365229	27365438	-	1	OS05G0550800	CUFF.9659	OS05T05508(i	TSS6840	1.04E-59
chr5	TCONS_00071942	XLOC_064341	27374691	27374923	-	1	NA	CUFF.9647	NA	u	TSS6840 8.551E-21
chr5	TCONS_00073092	XLOC_064368	27542633	27542953	-	1	OS05G0554000	CUFF.1462	OS05T05540(i	TSS6843	9.541E-18
chr5	TCONS_00073093	XLOC_064372	27553672	27553908	-	1	OS05G0554400	CUFF.1464	OS05T05544(x	TSS6843	1.335E-33
chr5	TCONS_00073094	XLOC_064377	27602807	27603097	-	1	OS05G0555100	CUFF.1232	OS05T05551(x	TSS6844	0.0002596
chr5	TCONS_00073097	XLOC_064388	27623883	27623971	-	1	NA	CUFF.1231	NA	u	TSS6845 1.19E-21
chr5	TCONS_00073100	XLOC_064391	27625451	27626066	-	1	NA	CUFF.1232	NA	u	TSS6845 1.76E-50
chr5	TCONS_00073101	XLOC_064392	27626307	27626775	-	1	NA	CUFF.1231	NA	u	TSS6845 1.91E-21
chr5	TCONS_00073102	XLOC_064393	27627192	27628200	-	1	NA	CUFF.1232	NA	u	TSS6845 5.311E-07
chr5	TCONS_00071993	XLOC_064394	27630060	27630870	-	1	NCRNA_35303	CUFF.9679	NCRNA_353(x	TSS6846	0
chr5	TCONS_00073103	XLOC_064395	27630884	27631308	-	1	OS05G0555600	CUFF.1232	OS05T05556(x	TSS6846	4.227E-82
chr5	TCONS_00073104	XLOC_064399	27641339	27641753	-	1	NA	CUFF.1233	NA	u	TSS6846 3.987E-41
chr5	TCONS_00072032	XLOC_064439	27893401	27893601	-	1	TULP10	CUFF.9693	OS05T05604(x	TSS6850	1.654E-75
chr5	TCONS_00073111	XLOC_064442	27901191	27901692	-	1	OS05G0560600	CUFF.1236	OS05T05606(i	TSS6851	0.0011599
chr5	TCONS_00073112	XLOC_064449	27929137	27929411	-	1	NA	CUFF.1234	NA	u	TSS6851 3.819E-70
chr5	TCONS_00073113	XLOC_064450	27935588	27935968	-	1	OS05G0561400	CUFF.1235	OS05T05614(x	TSS6851	0
chr5	TCONS_00073116	XLOC_064476	28080558	28080875	-	1	U2AF35B	CUFF.1237	OS05T05642(i	TSS6854	9.526E-05
chr5	TCONS_00072087	XLOC_064488	28118844	28119072	-	1	OS05G0565000	CUFF.9717	OS05T05650(x	TSS6855	3.734E-31
chr5	TCONS_00073118	XLOC_064494	28155986	28156312	-	1	OS05G0565900	CUFF.1237	OS05T05659(i	TSS6856	1.091E-44
chr5	TCONS_00072141	XLOC_064541	28576356	28576716	-	1	OS05G0573550	CUFF.9725	OS05T05735(x	TSS6861	9.391E-19
chr5	TCONS_00072156	XLOC_064555	28658236	28658481	-	1	OS05G0575300	CUFF.9731	OS05T05753(i	TSS6862	2.272E-18
chr5	TCONS_00073123	XLOC_064573	28797176	28797542	-	1	OS05G0578500	CUFF.1241	OS05T05785(i	TSS6864	5.076E-11
chr5	TCONS_00073124	XLOC_064574	28801143	28801783	-	1	OS05G0578500	CUFF.1241	OS05T05785(x	TSS6864	2.17E-35
chr5	TCONS_00072191	XLOC_064591	28915265	28915575	-	1	OS05G0581100	CUFF.9738	OS05T05811(i	TSS6866	3.022E-72
chr5	TCONS_00072196	XLOC_064595	28941374	28941663	-	1	OS05G0581800	CUFF.9744	OS05T05818(i	TSS6867	1.837E-16
chr5	TCONS_00073127	XLOC_064596	28941958	28942593	-	1	OS05G0581800	CUFF.1242	OS05T05818(i	TSS6867	5.592E-20
chr5	TCONS_00073129	XLOC_064612	29039242	29039514	-	1	OS05G0583500	CUFF.1242	OS05T05835(i	TSS6868	2.005E-39
chr5	TCONS_00072215	XLOC_064618	29064648	29065113	-	1	NA	CUFF.9746	NA	u	TSS6869 7.391E-27
chr5	TCONS_00073136	XLOC_064683	29507647	29508173	-	1	OS05G0592300	CUFF.1245	OS05T05923(i	TSS6876	5.592E-20
chr5	TCONS_00072315	XLOC_064704	29657525	29657984	-	1	OS05G0595300	CUFF.9778	OS05T05953(i	TSS6879	2.462E-47
chr5	TCONS_00073144	XLOC_064722	2848505	2848712	.	1	OS05G0149800	CUFF.1133	OS05T01498(i	TSS6881	4.824E-23
chr5	TCONS_00073157	XLOC_064738	23352433	23352636	.	1	OS05G0475300	CUFF.1211	OS05T04753(i	TSS6883	2.638E-18
chr5	TCONS_00073162	XLOC_064744	27318826	27319032	.	1	OS05G0550000	CUFF.1446	OS05T05500(i	TSS6883	4.766E-28
chr5	TCONS_00072336	XLOC_064747	28908831	28909036	.	1	OS05G0580900	CUFF.9741	OS05T05809(i	TSS6883	2.325E-27
chr6	TCONS_00080984	XLOC_064843	730450	730664	+	1	NA	CUFF.1249	NA	u	TSS6894 3.839E-19

chr6	TCONS_00080986	XLOC_064845	734114	734314	+	1	NA	CUFF.1250 NA	u	TSS6894	1.512E-25
chr6	TCONS_00080987	XLOC_064848	735499	735886	+	1	NA	CUFF.1250 NA	u	TSS6894	8.626E-16
chr6	TCONS_00073273	XLOC_064851	742339	742559	+	1	OS06G0113150	CUFF.9810 OS06T011315(i	i	TSS6895	1.037E-48
chr6	TCONS_00073294	XLOC_064875	901772	902000	+	1	NA	CUFF.9814 NA	u	TSS6897	1.672E-17
chr6	TCONS_00080999	XLOC_064922	1205204	1205407	+	1	OS06G0122800	CUFF.1254 OS06T012280(i	i	TSS6902	6.268E-22
chr6	TCONS_00081001	XLOC_064941	1392724	1392979	+	1	OS06G0126000	CUFF.1255 OS06T012600(x	x	TSS6904	2.064E-44
chr6	TCONS_00081003	XLOC_064982	1645142	1645344	+	1	NA	CUFF.1255 NA	u	TSS6908	7.187E-39
chr6	TCONS_00073416	XLOC_064992	1727669	1727926	+	1	NA	CUFF.9834 NA	u	TSS6909	0
chr6	TCONS_00081007	XLOC_065003	1785112	1785553	+	1	OS06G0133500	CUFF.1256 OS06T013350(x	x	TSS6911	9.482E-43
chr6	TCONS_00073432	XLOC_065008	1820722	1820961	+	1	NCRNA_1707	CUFF.9839 NCRNA_1707(x	x	TSS6911	1.003E-14
chr6	TCONS_00073433	XLOC_065009	1824425	1824660	+	1	OS06G0134050	CUFF.9837 OS06T013405(i	i	TSS6911	1.33E-29
chr6	TCONS_00081022	XLOC_065133	2638797	2639079	+	1	OS06G0151200	CUFF.1261 OS06T015120(i	i	TSS6925	1.387E-18
chr6	TCONS_00073583	XLOC_065156	2753932	2754132	+	1	NA	CUFF.9874 NA	u	TSS6927	0
chr6	TCONS_00073584	XLOC_065157	2754786	2754996	+	1	NA	CUFF.9872 NA	u	TSS6927	1.736E-41
chr6	TCONS_00081025	XLOC_065163	2810960	2811162	+	1	MPK1	CUFF.1263 OS06T015450(i	i	TSS6928	6.57E-17
chr6	TCONS_00073693	XLOC_065259	3371950	3372243	+	1	NA	CUFF.9920 NA	u	TSS6938	1.315E-39
chr6	TCONS_00073705	XLOC_065270	3463971	3464191	+	1	OS06G0168800	CUFF.9912 OS06T016880(i	i	TSS6940	7.708E-37
chr6	TCONS_00073726	XLOC_065291	3675586	3675878	+	1	OS06G0172800	CUFF.9916 OS06T017280(x	x	TSS6942	0
chr6	TCONS_00081046	XLOC_065387	4178255	4178592	+	1	NA	CUFF.1268 NA	u	TSS6952	4.791E-33
chr6	TCONS_00073820	XLOC_065388	4179693	4179907	+	1	NA	CUFF.9928 NA	u	TSS6952	1.05E-27
chr6	TCONS_00081047	XLOC_065388	4179775	4180040	+	1	NA	CUFF.1268 NA	u	TSS6952	0.01177
chr6	TCONS_00081050	XLOC_065394	4183424	4183719	+	1	NA	CUFF.1268 NA	u	TSS6953	9.712E-11
chr6	TCONS_00081051	XLOC_065408	4260970	4261175	+	1	OS06G0184733	CUFF.1272 OS06T018473(x	x	TSS6954	5.592E-20
chr6	TCONS_00081052	XLOC_065409	4261419	4261622	+	1	OS06G0184733	CUFF.1272 OS06T018473(x	x	TSS6954	6.161E-27
chr6	TCONS_00081053	XLOC_065419	4301522	4301841	+	1	OS06G0185500	CUFF.1270 OS06T018550(x	x	TSS6955	1.946E-29
chr6	TCONS_00081061	XLOC_065464	4692282	4692552	+	1	OS06G0193000	CUFF.1273 OS06T019300(i	i	TSS6960	3.756E-57
chr6	TCONS_00081066	XLOC_065484	4803159	4803650	+	1	NA	CUFF.1273 NA	u	TSS6962	1.502E-66
chr6	TCONS_00081068	XLOC_065492	4872098	4873413	+	1	OS06G0195900	CUFF.1274 OS06T019590(x	x	TSS6963	0.22535
chr6	TCONS_00081070	XLOC_065518	5069217	5069506	+	1	NA	CUFF.1274 NA	u	TSS6966	2.02E-19
chr6	TCONS_00073953	XLOC_065519	5069720	5070001	+	1	NA	CUFF.9979 NA	u	TSS6966	0
chr6	TCONS_00081071	XLOC_065520	5070835	5071227	+	1	NA	CUFF.1274 NA	u	TSS6966	2.024E-10
chr6	TCONS_00081072	XLOC_065524	5093047	5093358	+	1	OS06G0200600	CUFF.1276 OS06T020060(i	i	TSS6966	6.57E-17
chr6	TCONS_00081073	XLOC_065525	5094451	5095630	+	1	OS06G0200600	CUFF.1276 OS06T020060(i	i	TSS6966	4.858E-14
chr6	TCONS_00081074	XLOC_065526	5095861	5096244	+	1	OS06G0200600	CUFF.1276 OS06T020060(i	i	TSS6967	1.271E-32
chr6	TCONS_00081075	XLOC_065527	5096402	5096848	+	1	OS06G0200600	CUFF.1276 OS06T020060(i	i	TSS6967	4.891E-09

chr6	TCONS_00073960	XLOC_065528	5097077	5097844	+	1	OS06G0200600	CUFF.9996 OS06T02006(x	TSS6967	1.222E-32
chr6	TCONS_00073961	XLOC_065529	5099422	5099653	+	1	NA	CUFF.9983 NA u	TSS6967	5.524E-13
chr6	TCONS_00073978	XLOC_065546	5198181	5198422	+	1	OS06G0202900	CUFF.9989 OS06T02029(x	TSS6969	3.304E-43
chr6	TCONS_00074017	XLOC_065583	5470566	5470770	+	1	OS06G0207700	CUFF.1000 OS06T02077(x	TSS6973	1.469E-71
chr6	TCONS_00081082	XLOC_065595	5528892	5529163	+	1	NA	CUFF.1276 NA u	TSS6974	1.512E-25
chr6	TCONS_00081083	XLOC_065602	5584306	5584934	+	1	NA	CUFF.1277 NA u	TSS6975	2.924E-30
chr6	TCONS_00081084	XLOC_065632	5778832	5779112	+	1	NA	CUFF.1278 NA u	TSS6978	0
chr6	TCONS_00074068	XLOC_065635	5785182	5785658	+	1	OS06G0213400	CUFF.1001 OS06T02134(i	TSS6978	0.085391
chr6	TCONS_00081086	XLOC_065635	5785298	5785824	+	1	OS06G0213400	CUFF.1279 OS06T02134(x	TSS6979	8.889E-09
chr6	TCONS_00081087	XLOC_065636	5788124	5788541	+	1	OS06G0213400	CUFF.1279 OS06T02134(i	TSS6979	4.812E-09
chr6	TCONS_00081088	XLOC_065643	5837380	5837609	+	1	OS06G0214850	CUFF.1279 OS06T02148(x	TSS6979	1.553E-30
chr6	TCONS_00074078	XLOC_065648	5860427	5860797	+	1	OS06G0215200	CUFF.1002 OS06T02152(i	TSS6980	1.136E-14
chr6	TCONS_00081091	XLOC_065654	5890698	5890904	+	1	NA	CUFF.1279 NA u	TSS6981	2.303E-41
chr6	TCONS_00081094	XLOC_065675	5986117	5986318	+	1	NA	CUFF.1280 NA u	TSS6983	3.413E-08
chr6	TCONS_00081098	XLOC_065679	5992132	5992384	+	1	NA	CUFF.1280 NA u	TSS6983	0.01177
chr6	TCONS_00081101	XLOC_065688	6039697	6040007	+	1	OS06G0218150	CUFF.1281 OS06T02181(i	TSS6984	2.02E-19
chr6	TCONS_00081102	XLOC_065692	6093643	6093963	+	1	OS06G0218500	CUFF.1283 OS06T02185(x	TSS6984	7.048E-34
chr6	TCONS_00074114	XLOC_065693	6095384	6095612	+	1	OS06G0218500	CUFF.1004 OS06T02185(i	TSS6984	7.835E-22
chr6	TCONS_00074117	XLOC_065696	6106351	6106713	+	1	NA	CUFF.1003 NA u	TSS6985	0.12416
chr6	TCONS_00081103	XLOC_065697	6106729	6107118	+	1	NA	CUFF.1281 NA u	TSS6985	2.303E-41
chr6	TCONS_00074120	XLOC_065700	6108036	6108319	+	1	NA	CUFF.1003 NA u	TSS6985	6.523E-61
chr6	TCONS_00081107	XLOC_065736	6410486	6410904	+	1	NA	CUFF.1282 NA u	TSS6989	7.056E-24
chr6	TCONS_00081109	XLOC_065740	6446601	6446801	+	1	OS06G0224200	CUFF.1283 OS06T02242(i	TSS6989	8.25E-41
chr6	TCONS_00074167	XLOC_065749	6495743	6496143	+	1	SK2	CUFF.1005 OS06T02258(x	TSS6990	8.942E-30
chr6	TCONS_00081111	XLOC_065758	6560041	6560381	+	1	OS06G0226600	CUFF.1284 OS06T02266(x	TSS6991	5.012E-18
chr6	TCONS_00074177	XLOC_065759	6560402	6560612	+	1	OS06G0226600	CUFF.1005 OS06T02266(i	TSS6991	3.926E-57
chr6	TCONS_00074182	XLOC_065764	6590646	6590855	+	1	OS06G0226950	CUFF.1005 OS06T02269(i	TSS6992	0
chr6	TCONS_00074220	XLOC_065803	6824982	6825416	+	1	OS06G0232100	CUFF.1007 OS06T02321(i	TSS6996	3.926E-57
chr6	TCONS_00081115	XLOC_065841	7130550	7130750	+	1	OS06G0237200	CUFF.1286 OS06T02372(i	TSS7000	7.056E-24
chr6	TCONS_00074304	XLOC_065888	7564920	7565343	+	1	OS06G0245700	CUFF.1008 OS06T02457(x	TSS7004	0
chr6	TCONS_00081118	XLOC_065890	7570426	7570755	+	1	NA	CUFF.1288 NA u	TSS7005	8.407E-29
chr6	TCONS_00081121	XLOC_065922	7804241	7804443	+	1	OS06G0250600	CUFF.1289 OS06T02506(i	TSS7008	2.859E-30
chr6	TCONS_00081124	XLOC_065936	7923657	7923981	+	1	NA	CUFF.1289 NA u	TSS7009	4.787E-13
chr6	TCONS_00081132	XLOC_065981	8323050	8323899	+	1	NCRNA_6454	CUFF.1292 NCRNA_645(x	TSS7014	0.63406
chr6	TCONS_00074401	XLOC_065985	8372729	8373015	+	1	OS06G0259901	CUFF.1012 OS06T02599(x	TSS7015	3.976E-06

chr6	TCONS_00081136	XLOC_066017	8765231	8765435	+	1	OS06G0265000	CUFF.1295 OS06T026500(i	TSS7018	7.205E-57	
chr6	TCONS_00074437	XLOC_066023	8831675	8831876	+	1	NA	CUFF.1012 NA	u	TSS7019	0
chr6	TCONS_00074446	XLOC_066033	8928382	8928602	+	1	NA	CUFF.1013 NA	u	TSS7020	2.523E-26
chr6	TCONS_00081142	XLOC_066063	9207860	9208219	+	1	OS06G0272800	CUFF.1296 OS06T027280(i	TSS7023	1.217E-41	
chr6	TCONS_00074484	XLOC_066070	9258380	9258580	+	1	OS06G0273800	CUFF.1014 OS06T027380(x	TSS7024	0	
chr6	TCONS_00081147	XLOC_066110	9554740	9554947	+	1	NA	CUFF.1297 NA	u	TSS7028	1.027E-29
chr6	TCONS_00081153	XLOC_066151	9895013	9895933	+	1	NA	CUFF.1298 NA	u	TSS7033	7.799E-12
chr6	TCONS_00081155	XLOC_066153	9896527	9896745	+	1	NA	CUFF.1298 NA	u	TSS7033	2.217E-31
chr6	TCONS_00081159	XLOC_066160	9900651	9900863	+	1	NA	CUFF.1299 NA	u	TSS7033	4.293E-21
chr6	TCONS_00081160	XLOC_066170	10016890	10017255	+	1	OS06G0283400	CUFF.1300 OS06T028340(i	TSS7035	0.051036	
chr6	TCONS_00074676	XLOC_066262	10915696	10915919	+	1	OS06G0295500	CUFF.1019 OS06T029550(i	TSS7044	1.738E-21	
chr6	TCONS_00074694	XLOC_066280	11060396	11060768	+	1	OS06G0298000	CUFF.1019 OS06T029800(i	TSS7046	3.698E-13	
chr6	TCONS_00074713	XLOC_066298	11244526	11244765	+	1	OS06G0301100	CUFF.1019 OS06T030110(x	TSS7048	0	
chr6	TCONS_00081172	XLOC_066339	11743198	11743470	+	1	NA	CUFF.1306 NA	u	TSS7052	1.508E-30
chr6	TCONS_00081173	XLOC_066340	11743707	11744312	+	1	NA	CUFF.1307 NA	u	TSS7052	1.273E-50
chr6	TCONS_00074773	XLOC_066358	11985134	11985463	+	1	NA	CUFF.1022 NA	u	TSS7054	0
chr6	TCONS_00081176	XLOC_066363	11989643	11989864	+	1	OS06G0313440	CUFF.1308 OS06T031344(x	TSS7055	1.184E-23	
chr6	TCONS_00081177	XLOC_066364	11990632	11990911	+	1	NA	CUFF.1308 NA	u	TSS7055	1.027E-29
chr6	TCONS_00074785	XLOC_066374	12079305	12079514	+	1	OS06G0314501	CUFF.1023 OS06T031450(x	TSS7056	0	
chr6	TCONS_00074817	XLOC_066401	12358744	12359552	+	1	OS06G0318800	CUFF.1024 OS06T031880(x	TSS7059	8.033E-78	
chr6	TCONS_00074876	XLOC_066463	12999526	12999855	+	1	OS06G0329200	CUFF.1026 OS06T032920(i	TSS7065	1.908E-11	
chr6	TCONS_00081183	XLOC_066463	12999327	12999743	+	1	OS06G0329200	CUFF.1312 OS06T032920(i	TSS7065	1.734E-11	
chr6	TCONS_00074902	XLOC_066487	13185064	13185272	+	1	NA	CUFF.1027 NA	u	TSS7067	0.04715
chr6	TCONS_00074903	XLOC_066488	13197287	13197505	+	1	OS06G0332800	CUFF.1027 OS06T033280(i	TSS7068	8.985E-35	
chr6	TCONS_00081184	XLOC_066489	13202252	13202518	+	1	OS06G0332900	CUFF.1312 OS06T033290(x	TSS7068	1.339E-23	
chr6	TCONS_00081186	XLOC_066491	13204840	13205131	+	1	NA	CUFF.1312 NA	u	TSS7068	1.131E-49
chr6	TCONS_00081190	XLOC_066603	14427552	14427890	+	1	OS06G0353400	CUFF.1317 OS06T035340(i	TSS7080	2.345E-72	
chr6	TCONS_00075055	XLOC_066634	14908070	14908276	+	1	OS06G0360600	CUFF.1031 OS06T036060(i	TSS7083	2.717E-30	
chr6	TCONS_00075082	XLOC_066662	15382175	15382420	+	1	OS06G0367500	CUFF.1031 OS06T036750(i	TSS7086	4.599E-11	
chr6	TCONS_00075086	XLOC_066668	15422776	15422986	+	1	MPK11	CUFF.1031 OS06T036790(x	TSS7087	1.918E-45	
chr6	TCONS_00075113	XLOC_066696	15762388	15762608	+	1	OS06G0472700	CUFF.1032 OS06T047270(i	TSS7089	2.734E-35	
chr6	TCONS_00075118	XLOC_066701	15821030	15821259	+	1	OS06G0473200	CUFF.1033 OS06T047320(i	TSS7090	1.345E-24	
chr6	TCONS_00075126	XLOC_066709	15866349	15866554	+	1	OS06G0474200	CUFF.1033 OS06T047420(i	TSS7091	0	
chr6	TCONS_00075131	XLOC_066716	15922869	15923080	+	1	OS06G0474900	CUFF.1032 OS06T047490(x	TSS7092	1.146E-36	
chr6	TCONS_00081206	XLOC_066770	16615484	16615777	+	1	OS06G0486400	CUFF.1321 OS06T048640(i	TSS7097	3.118E-50	

chr6	TCONS_00075208	XLOC_066792	16798024	16798821	+	1	NA	CUFF.1034 NA	u	TSS7099	0
chr6	TCONS_00075214	XLOC_066798	16830514	16830730	+	1	OS06G0489200	CUFF.1035 OS06T04892(i		TSS7100	5.289E-42
chr6	TCONS_00075225	XLOC_066808	16994048	16994304	+	1	OS06G0491800	CUFF.1035 OS06T04918(x		TSS7101	7.436E-14
chr6	TCONS_00081213	XLOC_066874	17600132	17600414	+	1	OS06G0499900	CUFF.1324 OS06T04999(i		TSS7108	3.907E-44
chr6	TCONS_00081214	XLOC_066875	17602947	17603432	+	1	OS06G0499900	CUFF.1324 OS06T04999(i		TSS7108	2.26E-21
chr6	TCONS_00081216	XLOC_066906	17938152	17938457	+	1	NA	CUFF.1324 NA	u	TSS7112	0.044878
chr6	TCONS_00081217	XLOC_066909	17944020	17944278	+	1	NA	CUFF.1324 NA	u	TSS7112	0.01177
chr6	TCONS_00075330	XLOC_066911	17946043	17946258	+	1	NA	CUFF.1038 NA	u	TSS7112	0
chr6	TCONS_00081219	XLOC_066915	17966631	17966956	+	1	OS06G0505302	CUFF.1326 OS06T05053(i		TSS7112	1.965E-34
chr6	TCONS_00075357	XLOC_066938	18117892	18118098	+	1	NA	CUFF.1038 NA	u	TSS7115	4.402E-78
chr6	TCONS_00075362	XLOC_066947	18152672	18153126	+	1	NA	CUFF.1039 NA	u	TSS7116	0.15664
chr6	TCONS_00075511	XLOC_067093	20034258	20034493	+	1	OS06G0535200	CUFF.1041 OS06T05352(x		TSS7131	5.262E-22
chr6	TCONS_00081235	XLOC_067104	20086911	20087115	+	1	NA	CUFF.1329 NA	u	TSS7132	6.821E-10
chr6	TCONS_00081236	XLOC_067105	20087411	20087808	+	1	NA	CUFF.1329 NA	u	TSS7132	3.453E-17
chr6	TCONS_00075562	XLOC_067143	20336373	20336573	+	1	OS06G0541600	CUFF.1043 OS06T05416(i		TSS7136	0
chr6	TCONS_00081242	XLOC_067163	20575935	20576143	+	1	NA	CUFF.1331 NA	u	TSS7138	4.824E-23
chr6	TCONS_00075597	XLOC_067177	20735525	20735731	+	1	NA	CUFF.1043 NA	u	TSS7139	0
chr6	TCONS_00081243	XLOC_067191	20832274	20832475	+	1	NA	CUFF.1332 NA	u	TSS7141	1.387E-18
chr6	TCONS_00075684	XLOC_067265	21432494	21432701	+	1	OS06G0560400	CUFF.1045 OS06T05604(i		TSS7148	3.837E-80
chr6	TCONS_00081262	XLOC_067332	21958134	21958463	+	1	NA	CUFF.1339 NA	u	TSS7156	1.168E-26
chr6	TCONS_00081267	XLOC_067370	22295314	22295535	+	1	NA	CUFF.1341 NA	u	TSS7160	3.453E-17
chr6	TCONS_00081269	XLOC_067404	22592821	22593022	+	1	NA	CUFF.1342 NA	u	TSS7163	7.187E-39
chr6	TCONS_00081273	XLOC_067436	22808608	22809075	+	1	NCRNA_40111	CUFF.1343 NCRNA_401 x		TSS7166	0.0003275
chr6	TCONS_00075874	XLOC_067454	22978848	22979058	+	1	NA	CUFF.1051 NA	u	TSS7168	0
chr6	TCONS_00075876	XLOC_067456	22984580	22984821	+	1	NA	CUFF.1051 NA	u	TSS7168	1.135E-31
chr6	TCONS_00081275	XLOC_067458	22999942	23000184	+	1	NA	CUFF.1344 NA	u	TSS7169	2.217E-31
chr6	TCONS_00081276	XLOC_067462	23013519	23013776	+	1	NA	CUFF.1344 NA	u	TSS7169	0
chr6	TCONS_00075906	XLOC_067489	23240720	23241225	+	1	NA	CUFF.1053 NA	u	TSS7172	0
chr6	TCONS_00075912	XLOC_067495	23293175	23293468	+	1	OS06G0592500	CUFF.1053 OS06T05925(x		TSS7172	8.985E-35
chr6	TCONS_00081281	XLOC_067535	23584864	23585325	+	1	NA	CUFF.1347 NA	u	TSS7177	0.0073509
chr6	TCONS_00081282	XLOC_067536	23585759	23586731	+	1	NA	CUFF.1350 NA	u	TSS7177	2.324E-16
chr6	TCONS_00081283	XLOC_067537	23587092	23587308	+	1	NCRNA_41477	CUFF.1347 NCRNA_414' x		TSS7177	1.295E-64
chr6	TCONS_00081284	XLOC_067569	23856770	23857080	+	1	HO1	CUFF.1349 OS06T06030(i		TSS7180	1.795E-42
chr6	TCONS_00075991	XLOC_067570	23862810	23863011	+	1	NA	CUFF.1055 NA	u	TSS7181	2.137E-60
chr6	TCONS_00081285	XLOC_067573	23877716	23877945	+	1	SPX1	CUFF.1348 OS06T06036(x		TSS7181	1.326E-28

chr6	TCONS_00081289	XLOC_067591	24007569	24007789	+	1	NA	CUFF.1349 NA	u	TSS7183	5.443E-25
chr6	TCONS_00081290	XLOC_067592	24008174	24008570	+	1	OS06G0605750	CUFF.1349 OS06T060575(x	x	TSS7183	4.931E-79
chr6	TCONS_00076021	XLOC_067598	24042925	24043125	+	1	OS06G0606000	CUFF.1056 OS06T060600(i	i	TSS7184	0
chr6	TCONS_00076140	XLOC_067712	24932002	24932357	+	1	NA	CUFF.1059 NA	u	TSS7195	1.365E-17
chr6	TCONS_00076141	XLOC_067713	24932717	24933211	+	1	NA	CUFF.1059 NA	u	TSS7196	4.745E-28
chr6	TCONS_00081299	XLOC_067716	24947058	24947671	+	1	NA	CUFF.1354 NA	u	TSS7196	9.394E-29
chr6	TCONS_00076145	XLOC_067717	24948480	24948690	+	1	NA	CUFF.1060 NA	u	TSS7196	0
chr6	TCONS_00081300	XLOC_067717	24947769	24948637	+	1	NA	CUFF.1354 NA	u	TSS7196	2.542E-23
chr6	TCONS_00076153	XLOC_067726	25024638	25024875	+	1	NA	CUFF.1060 NA	u	TSS7197	4.042E-30
chr6	TCONS_00081305	XLOC_067732	25088831	25089230	+	1	OS06G0623600	CUFF.1355 OS06T062360(x	x	TSS7198	3.69E-29
chr6	TCONS_00081311	XLOC_067823	25966734	25967048	+	1	OS06G0638900	CUFF.1358 OS06T063890(i	i	TSS7207	1.548E-34
chr6	TCONS_00076294	XLOC_067862	26191179	26191407	+	1	OS06G0643000	CUFF.1064 OS06T064300(x	x	TSS7211	4.378E-29
chr6	TCONS_00081315	XLOC_067876	26250024	26250265	+	1	NA	CUFF.1360 NA	u	TSS7213	3.56E-10
chr6	TCONS_00076322	XLOC_067891	26354723	26354969	+	1	NA	CUFF.1066 NA	u	TSS7214	9.345E-20
chr6	TCONS_00076323	XLOC_067892	26355053	26355300	+	1	NA	CUFF.1066 NA	u	TSS7214	2.717E-30
chr6	TCONS_00081325	XLOC_067903	26378136	26378661	+	1	OS06G0646000	CUFF.1361 OS06T064600(i	i	TSS7216	2.863E-13
chr6	TCONS_00076333	XLOC_067908	26425139	26425564	+	1	OS06G0646700	CUFF.1067 OS06T064670(i	i	TSS7216	0
chr6	TCONS_00076341	XLOC_067915	26466255	26466515	+	1	NA	CUFF.1067 NA	u	TSS7217	0.079519
chr6	TCONS_00076343	XLOC_067917	26471239	26471468	+	1	NA	CUFF.1067 NA	u	TSS7217	1.563E-27
chr6	TCONS_00081326	XLOC_067918	26475989	26476267	+	1	NA	CUFF.1362 NA	u	TSS7217	4.2E-31
chr6	TCONS_00081328	XLOC_067920	26479586	26481225	+	1	NA	CUFF.1372 NA	u	TSS7217	5.885E-20
chr6	TCONS_00076347	XLOC_067921	26481844	26482605	+	1	OS06G0647900	CUFF.1372 OS06T064790(x	x	TSS7218	3.402E-16
chr6	TCONS_00081330	XLOC_067923	26485292	26485842	+	1	NA	CUFF.1372 NA	u	TSS7218	1.66E-39
chr6	TCONS_00081331	XLOC_067924	26488165	26488669	+	1	OS06G0648200	CUFF.1372 OS06T064820(i	i	TSS7218	6.991E-52
chr6	TCONS_00081332	XLOC_067941	26659663	26659885	+	1	NA	CUFF.1363 NA	u	TSS7220	9.712E-11
chr6	TCONS_00076376	XLOC_067950	26694766	26694986	+	1	OS06G0652250	CUFF.1068 OS06T065225(i	i	TSS7221	3.074E-11
chr6	TCONS_00081334	XLOC_067965	26783439	26783765	+	1	OS06G0653900	CUFF.1364 OS06T065390(i	i	TSS7222	9.806E-48
chr6	TCONS_00076437	XLOC_068009	27124107	27124494	+	1	OS06G0659200	CUFF.1069 OS06T065920(i	i	TSS7227	1.279E-73
chr6	TCONS_00081335	XLOC_068010	27144151	27144355	+	1	OS06G0659300	CUFF.1365 OS06T065930(i	i	TSS7227	5.961E-15
chr6	TCONS_00076454	XLOC_068025	27261838	27262039	+	1	OS06G0661500	CUFF.1070 OS06T066150(i	i	TSS7229	8.688E-46
chr6	TCONS_00076463	XLOC_068039	27365767	27366016	+	1	OS06G0663200	CUFF.1071 OS06T066320(x	x	TSS7230	0
chr6	TCONS_00076465	XLOC_068041	27368050	27368277	+	1	OS06G0663200	CUFF.1071 OS06T066320(i	i	TSS7230	7.057E-33
chr6	TCONS_00081346	XLOC_068086	27708572	27709157	+	1	NA	CUFF.1368 NA	u	TSS7235	1.68E-32
chr6	TCONS_00076593	XLOC_068163	28182678	28183009	+	1	NA	CUFF.1075 NA	u	TSS7243	6.49E-11
chr6	TCONS_00076598	XLOC_068168	28198264	28198478	+	1	NA	CUFF.1074 NA	u	TSS7244	1.441E-28

chr6	TCONS_00081358	XLOC_068168	28198414	28198625	+	1	NA	CUFF.1371 NA	u	TSS7244	9.541E-18
chr6	TCONS_00081363	XLOC_068235	28684940	28685242	+	1	OS06G0687700	CUFF.1374 OS06T068770(x		TSS7252	1.063E-19
chr6	TCONS_00081367	XLOC_068247	28755624	28756449	+	1	OS06G0689600	CUFF.1375 OS06T068960(x		TSS7254	8.913E-37
chr6	TCONS_00081368	XLOC_068256	28815096	28815313	+	1	OS06G0691000	CUFF.1376 OS06T069100(i		TSS7255	1.17E-31
chr6	TCONS_00076747	XLOC_068286	29058516	29058755	+	1	NA	CUFF.1079 NA	u	TSS7258	1.672E-17
chr6	TCONS_00081374	XLOC_068314	29320477	29320736	+	1	NA	CUFF.1377 NA	u	TSS7261	7.393E-44
chr6	TCONS_00081375	XLOC_068315	29326338	29326543	+	1	NA	CUFF.1377 NA	u	TSS7261	5.592E-20
chr6	TCONS_00076775	XLOC_068318	29353897	29354549	+	1	OS06G0698802	CUFF.1079 OS06T069880(x		TSS7261	6.94E-18
chr6	TCONS_00081376	XLOC_068318	29354354	29354785	+	1	NA	CUFF.1377 NA	u	TSS7261	2.989E-14
chr6	TCONS_00076777	XLOC_068320	29363810	29364016	+	1	OS06G0698859	CUFF.1080 OS06T069885(x		TSS7262	0
chr6	TCONS_00081378	XLOC_068324	29385013	29385216	+	1	OS06G0699200	CUFF.1378 OS06T069920(i		TSS7262	2.943E-20
chr6	TCONS_00081380	XLOC_068326	29386528	29386745	+	1	NA	CUFF.1377 NA	u	TSS7262	8.626E-16
chr6	TCONS_00081383	XLOC_068340	29518196	29518432	+	1	OS06G0701300	CUFF.1380 OS06T070130(x		TSS7264	6.604E-06
chr6	TCONS_00081391	XLOC_068382	29770396	29770627	+	1	OS06G0704800	CUFF.1381 OS06T070480(i		TSS7268	1.527E-35
chr6	TCONS_00081394	XLOC_068400	29920516	29920928	+	1	NA	CUFF.1381 NA	u	TSS7270	7.077E-20
chr6	TCONS_00076907	XLOC_068448	30322720	30322928	+	1	NA	CUFF.1084 NA	u	TSS7275	5.608E-86
chr6	TCONS_00076923	XLOC_068465	30379631	30379902	+	1	OS06G0715600	CUFF.1085 OS06T071560(x		TSS7277	0.0092558
chr6	TCONS_00081400	XLOC_068476	30448917	30449168	+	1	OS06G0716700	CUFF.1385 OS06T071670(i		TSS7278	2.542E-23
chr6	TCONS_00081401	XLOC_068477	30449848	30450267	+	1	OS06G0716700	CUFF.1385 OS06T071670(i		TSS7278	5.979E-50
chr6	TCONS_00076936	XLOC_068478	30454412	30454633	+	1	OS06G0716800	CUFF.1085 OS06T071680(i		TSS7278	1.688E-31
chr6	TCONS_00081407	XLOC_068530	30812409	30812691	+	1	NA	CUFF.1385 NA	u	TSS7284	7.869E-14
chr6	TCONS_00077007	XLOC_068546	30909303	30909514	+	1	OS06G0726600	CUFF.1087 OS06T072660(x		TSS7286	2.85E-45
chr6	TCONS_00081411	XLOC_068570	31034899	31035301	+	1	OS06G0728800	CUFF.1387 OS06T072880(x		TSS7288	2.529E-33
chr6	TCONS_00081416	XLOC_068595	31176714	31176979	+	1	NA	CUFF.1388 NA	u	TSS7291	2.162E-23
chr6	TCONS_00077054	XLOC_068599	31187454	31187670	+	1	NA	CUFF.1088 NA	u	TSS7291	3.901E-09
chr6	TCONS_00077082	XLOC_068628	169843	170368	-	1	OS06G0102300	CUFF.9784 OS06T010230(i		TSS7294	2.853E-44
chr6	TCONS_00077090	XLOC_068638	228441	228654	-	1	OS06G0103500	CUFF.9792 OS06T010350(i		TSS7295	4.559E-44
chr6	TCONS_00081425	XLOC_068651	379176	379500	-	1	PRMT7	CUFF.1248 OS06T010550(x		TSS7296	2.529E-33
chr6	TCONS_00077124	XLOC_068669	510606	510831	-	1	OS06G0108500	CUFF.9795 OS06T010850(x		TSS7298	6.622E-39
chr6	TCONS_00077157	XLOC_068701	791738	791955	-	1	NA	CUFF.9804 NA	u	TSS7302	3.658E-47
chr6	TCONS_00081427	XLOC_068713	853285	853489	-	1	OS06G0115100	CUFF.1251 OS06T011510(i		TSS7303	1.508E-53
chr6	TCONS_00077192	XLOC_068726	923314	923889	-	1	OS06G0116600	CUFF.9818 OS06T011660(i		TSS7305	0.0092942
chr6	TCONS_00081431	XLOC_068727	924089	924322	-	1	OS06G0116600	CUFF.1254 OS06T011660(i		TSS7305	2.115E-35
chr6	TCONS_00081435	XLOC_068736	941394	941705	-	1	NA	CUFF.1252 NA	u	TSS7306	4.706E-07
chr6	TCONS_00081436	XLOC_068737	942731	943274	-	1	NA	CUFF.1252 NA	u	TSS7306	7.392E-44

chr6	TCONS_00081437	XLOC_068738	943420	944032	-	1	NA	CUFF.1252 NA	u	TSS7306	2.165E-14
chr6	TCONS_00081438	XLOC_068739	944210	944698	-	1	NCRNA_41833	CUFF.1252 NCRNA_418	x	TSS7306	7.187E-39
chr6	TCONS_00081439	XLOC_068740	945801	946223	-	1	NA	CUFF.1252 NA	u	TSS7306	1.307E-09
chr6	TCONS_00081442	XLOC_068778	1362644	1362943	-	1	NA	CUFF.1253 NA	u	TSS7310	7.264E-12
chr6	TCONS_00081448	XLOC_068810	1555144	1556134	-	1	OS06G0129400	CUFF.1255 OS06T01294(i		TSS7314	9.036E-28
chr6	TCONS_00081449	XLOC_068816	1595371	1595571	-	1	OS06G0130000	CUFF.1256 OS06T01300(x		TSS7315	1.508E-30
chr6	TCONS_00081450	XLOC_068838	1777265	1777474	-	1	OS06G0133200	CUFF.1256 OS06T01332(x		TSS7317	1.959E-24
chr6	TCONS_00077303	XLOC_068840	1780806	1781190	-	1	OS06G0133300	CUFF.9835 OS06T01333(x		TSS7317	1.839E-17
chr6	TCONS_00081454	XLOC_068866	1882375	1882750	-	1	OS06G0135000	CUFF.1258 OS06T01350(i		TSS7320	1.959E-24
chr6	TCONS_00081455	XLOC_068867	1884429	1884738	-	1	OS06G0135000	CUFF.1258 OS06T01350(i		TSS7320	9.526E-05
chr6	TCONS_00077329	XLOC_068868	1887910	1888152	-	1	OS06G0135000	CUFF.9844 OS06T01350(i		TSS7320	9.195E-12
chr6	TCONS_00081458	XLOC_068885	2033122	2033505	-	1	NCRNA_4533	CUFF.1258 NCRNA_453	x	TSS7322	1.859E-10
chr6	TCONS_00081461	XLOC_068954	2462524	2462783	-	1	OS06G0147250	CUFF.1260 OS06T01472(x		TSS7330	9.09E-07
chr6	TCONS_00081462	XLOC_068965	2536216	2536483	-	1	NA	CUFF.1260 NA	u	TSS7331	4.215E-54
chr6	TCONS_00077452	XLOC_068982	2653163	2653374	-	1	OS06G0151600	CUFF.9868 OS06T01516(x		TSS7332	3.19E-28
chr6	TCONS_00077459	XLOC_068989	2693272	2693544	-	1	NA	CUFF.9871 NA	u	TSS7333	2.492E-17
chr6	TCONS_00077518	XLOC_069050	3052263	3052826	-	1	OS06G0159900	CUFF.9895 OS06T01599(i		TSS7339	1.497E-14
chr6	TCONS_00077550	XLOC_069081	3206874	3207107	-	1	NA	CUFF.9897 NA	u	TSS7343	1.11E-13
chr6	TCONS_00077570	XLOC_069101	3338202	3338402	-	1	NA	CUFF.9905 NA	u	TSS7345	0
chr6	TCONS_00081479	XLOC_069126	3634175	3634442	-	1	OS06G0171900	CUFF.1266 OS06T01719(i		TSS7347	1.027E-29
chr6	TCONS_00081480	XLOC_069127	3637249	3637499	-	1	OS06G0171900	CUFF.1266 OS06T01719(i		TSS7347	4.518E-47
chr6	TCONS_00077599	XLOC_069128	3639916	3640138	-	1	NA	CUFF.9911 NA	u	TSS7348	3.755E-26
chr6	TCONS_00081482	XLOC_069175	4009850	4010325	-	1	OS06G0181100	CUFF.1267 OS06T01811(x		TSS7352	9.819E-69
chr6	TCONS_00077666	XLOC_069193	4094406	4094946	-	1	OS06G0182500	CUFF.9938 OS06T01825(i		TSS7354	0.018843
chr6	TCONS_00081487	XLOC_069221	4256381	4256780	-	1	OS06G0184700	CUFF.1272 OS06T01847(i		TSS7358	5.076E-11
chr6	TCONS_00077836	XLOC_069352	5183541	5183773	-	1	NA	CUFF.9984 NA	u	TSS7372	4.21E-20
chr6	TCONS_00081496	XLOC_069378	5373166	5373451	-	1	NA	CUFF.1275 NA	u	TSS7375	6.267E-22
chr6	TCONS_00077865	XLOC_069379	5373520	5373747	-	1	NA	CUFF.9991 NA	u	TSS7375	1.037E-48
chr6	TCONS_00077867	XLOC_069381	5377519	5377726	-	1	NA	CUFF.9994 NA	u	TSS7375	2.768E-79
chr6	TCONS_00077926	XLOC_069438	5809398	5809613	-	1	OS06G0214100	CUFF.1001 OS06T02141(x		TSS7381	8.414E-63
chr6	TCONS_00078073	XLOC_069581	6783792	6783992	-	1	OS06G0230801	CUFF.1009 OS06T02308(i		TSS7395	0
chr6	TCONS_00078074	XLOC_069582	6784690	6784938	-	1	OS06G0230801	CUFF.1010 OS06T02308(i		TSS7395	0
chr6	TCONS_00081509	XLOC_069583	6785416	6785728	-	1	OS06G0230801	CUFF.1288 OS06T02308(i		TSS7396	0
chr6	TCONS_00078105	XLOC_069609	6980977	6981179	-	1	OS06G0234100	CUFF.1007 OS06T02341(x		TSS7399	6.523E-61
chr6	TCONS_00078150	XLOC_069656	7230583	7231160	-	1	OS06G0239200	CUFF.1008 OS06T02392(x		TSS7404	2.315E-13

chr6	TCONS_00081523	XLOC_069695	7491937	7492140	-	1	OS06G0244100	CUFF.1288 OS06T02441(i	TSS7408	2.638E-18
chr6	TCONS_00078209	XLOC_069715	7632632	7632921	-	1	NA	CUFF.1008 NA	u	TSS7410 3.091E-19
chr6	TCONS_00081525	XLOC_069722	7698752	7698957	-	1	NCRNA_38100	CUFF.1288 NCRNA_381(x	TSS7411	1.19E-21
chr6	TCONS_00081529	XLOC_069740	7916320	7916669	-	1	NA	CUFF.1289 NA	u	TSS7412 3.249E-27
chr6	TCONS_00078263	XLOC_069772	8055590	8055915	-	1	NA	CUFF.1009 NA	u	TSS7416 2.02E-19
chr6	TCONS_00081536	XLOC_069774	8060032	8061040	-	1	NA	CUFF.1291 NA	u	TSS7416 7.286E-40
chr6	TCONS_00081537	XLOC_069775	8061542	8062650	-	1	NA	CUFF.1291 NA	u	TSS7416 0.75727
chr6	TCONS_00081539	XLOC_069827	8741291	8741539	-	1	OS06G0264500	CUFF.1294 OS06T02645(i	TSS7422	1.748E-37
chr6	TCONS_00078346	XLOC_069850	8892146	8892460	-	1	NCRNA_42346	CUFF.1013 NCRNA_423·x	TSS7424	3.3E-68
chr6	TCONS_00078347	XLOC_069851	8892802	8893180	-	1	NA	CUFF.1012 NA	u	TSS7424 0.0013713
chr6	TCONS_00081541	XLOC_069851	8892488	8892905	-	1	NA	CUFF.1294 NA	u	TSS7424 1.063E-19
chr6	TCONS_00078350	XLOC_069853	8895422	8895879	-	1	NA	CUFF.1013 NA	u	TSS7425 0
chr6	TCONS_00081543	XLOC_069853	8895026	8895485	-	1	NA	CUFF.1294 NA	u	TSS7425 4.812E-09
chr6	TCONS_00081551	XLOC_069914	9289394	9289598	-	1	OS06G0274300	CUFF.1296 OS06T02743(x	TSS7431	2.542E-23
chr6	TCONS_00078512	XLOC_070007	10383151	10383401	-	1	NA	CUFF.1017 NA	u	TSS7441 1.561E-32
chr6	TCONS_00081554	XLOC_070028	10638431	10638650	-	1	NA	CUFF.1300 NA	u	TSS7443 2.507E-09
chr6	TCONS_00081555	XLOC_070029	10639765	10640038	-	1	NA	CUFF.1301 NA	u	TSS7444 2.02E-70
chr6	TCONS_00081557	XLOC_070031	10641445	10641720	-	1	NA	CUFF.1300 NA	u	TSS7444 9.158E-23
chr6	TCONS_00081558	XLOC_070032	10641826	10642578	-	1	NA	CUFF.1301 NA	u	TSS7444 5.026E-40
chr6	TCONS_00081559	XLOC_070033	10642692	10642903	-	1	NA	CUFF.1300 NA	u	TSS7444 7.048E-34
chr6	TCONS_00078581	XLOC_070077	10928832	10929062	-	1	NA	CUFF.1018 NA	u	TSS7449 6.513E-29
chr6	TCONS_00081564	XLOC_070118	11272343	11272509	-	1	NA	CUFF.1304 NA	u	TSS7453 5.463E-13
chr6	TCONS_00081567	XLOC_070121	11275823	11276099	-	1	NA	CUFF.1304 NA	u	TSS7453 2.923E-67
chr6	TCONS_00081569	XLOC_070125	11278807	11279132	-	1	NA	CUFF.1304 NA	u	TSS7454 0.91658
chr6	TCONS_00081575	XLOC_070139	11381830	11382118	-	1	NA	CUFF.1305 NA	u	TSS7455 6.994E-29
chr6	TCONS_00081576	XLOC_070140	11382702	11382974	-	1	NA	CUFF.1305 NA	u	TSS7455 1.19E-21
chr6	TCONS_00078640	XLOC_070141	11383209	11383551	-	1	NA	CUFF.1021 NA	u	TSS7455 4.236E-45
chr6	TCONS_00081578	XLOC_070144	11393659	11393863	-	1	NA	CUFF.1305 NA	u	TSS7456 5.443E-25
chr6	TCONS_00081580	XLOC_070151	11463619	11463848	-	1	OS06G0303800	CUFF.1306 OS06T03038(i	TSS7456	5.765E-45
chr6	TCONS_00078670	XLOC_070172	11712840	11713075	-	1	OS06G0308800	CUFF.1022 OS06T03088(x	TSS7459	9.037E-25
chr6	TCONS_00078732	XLOC_070234	12189390	12189621	-	1	OS06G0315900	CUFF.1023 OS06T03159(x	TSS7465	6.096E-16
chr6	TCONS_00078757	XLOC_070255	12355875	12356125	-	1	MKRN	CUFF.1024 OS06T03187(x	TSS7467	3.301E-22
chr6	TCONS_00081589	XLOC_070256	12356211	12356418	-	1	MKRN	CUFF.1309 OS06T03187(x	TSS7467	1.063E-19
chr6	TCONS_00078761	XLOC_070260	12400966	12401168	-	1	NA	CUFF.1024 NA	u	TSS7468 0
chr6	TCONS_00078762	XLOC_070261	12402998	12403205	-	1	NA	CUFF.1024 NA	u	TSS7468 0

chr6	TCONS_00081590	XLOC_070262	12406487	12407162	-	1	OS06G0319600	CUFF.1310 OS06T03196(x	TSS7468	3.311E-37	
chr6	TCONS_00081591	XLOC_070269	12437152	12437451	-	1	OS06G0320100	CUFF.1310 OS06T03201(x	TSS7469	0.024257	
chr6	TCONS_00078782	XLOC_070283	12530851	12531059	-	1	NCRNA_45223	CUFF.1025 NCRNA_452(x	TSS7470	0	
chr6	TCONS_00078786	XLOC_070287	12552065	12552584	-	1	NA	CUFF.1025 NA	u	TSS7470	1.315E-08
chr6	TCONS_00081592	XLOC_070288	12553581	12553905	-	1	NA	CUFF.1310 NA	u	TSS7470	1.19E-21
chr6	TCONS_00081593	XLOC_070289	12554180	12554547	-	1	NA	CUFF.1310 NA	u	TSS7471	2.943E-20
chr6	TCONS_00081594	XLOC_070290	12555568	12555812	-	1	NA	CUFF.1310 NA	u	TSS7471	3.396E-42
chr6	TCONS_00078787	XLOC_070291	12556194	12556526	-	1	NA	CUFF.1025 NA	u	TSS7471	1.979E-29
chr6	TCONS_00081595	XLOC_070291	12556392	12556800	-	1	NA	CUFF.1310 NA	u	TSS7471	6.268E-22
chr6	TCONS_00078792	XLOC_070295	12562371	12562636	-	1	NA	CUFF.1025 NA	u	TSS7471	1.61E-15
chr6	TCONS_00081598	XLOC_070296	12563392	12563592	-	1	NA	CUFF.1311 NA	u	TSS7471	3.258E-32
chr6	TCONS_00078795	XLOC_070299	12567412	12567655	-	1	NA	CUFF.1026 NA	u	TSS7472	0.12886
chr6	TCONS_00078796	XLOC_070300	12569420	12569883	-	1	NA	CUFF.1026 NA	u	TSS7472	0.37029
chr6	TCONS_00078799	XLOC_070303	12607932	12608238	-	1	NA	CUFF.1026 NA	u	TSS7472	5.665E-63
chr6	TCONS_00078828	XLOC_070333	12886368	12886573	-	1	NA	CUFF.1026 NA	u	TSS7475	0
chr6	TCONS_00078890	XLOC_070395	13542880	13543105	-	1	NA	CUFF.1028 NA	u	TSS7482	1.121E-17
chr6	TCONS_00078897	XLOC_070402	13596723	13596978	-	1	NA	CUFF.1028 NA	u	TSS7483	2.395E-42
chr6	TCONS_00078916	XLOC_070419	13706964	13707232	-	1	OS06G0342750	CUFF.1029 OS06T03427(x	TSS7484	8.467E-21	
chr6	TCONS_00078944	XLOC_070446	13950445	13950670	-	1	OS06G0347100	CUFF.1030 OS06T03471(i	TSS7487	4.042E-30	
chr6	TCONS_00081616	XLOC_070446	13950093	13950508	-	1	OS06G0347100	CUFF.1316 OS06T03471(i	TSS7487	1.027E-29	
chr6	TCONS_00081617	XLOC_070450	13996729	13997002	-	1	OS06G0347700	CUFF.1316 OS06T03477(i	TSS7488	1.508E-30	
chr6	TCONS_00081618	XLOC_070453	14008420	14008660	-	1	OS06G0347700	CUFF.1316 OS06T03477(x	TSS7488	0.01177	
chr6	TCONS_00081621	XLOC_070479	14529749	14530480	-	1	OS06G0354700	CUFF.1316 OS06T03547(x	TSS7491	0.95685	
chr6	TCONS_00081629	XLOC_070555	15833886	15834271	-	1	NA	CUFF.1319 NA	u	TSS7499	1.335E-33
chr6	TCONS_00079123	XLOC_070621	16510427	16510750	-	1	OS06G0484600	CUFF.1033 OS06T04846(i	TSS7506	0	
chr6	TCONS_00079124	XLOC_070622	16511569	16511806	-	1	OS06G0484600	CUFF.1033 OS06T04846(i	TSS7506	3.243E-23	
chr6	TCONS_00079190	XLOC_070676	17230417	17230866	-	1	NA	CUFF.1036 NA	u	TSS7512	1.95E-13
chr6	TCONS_00079191	XLOC_070677	17232939	17233175	-	1	NA	CUFF.1036 NA	u	TSS7512	1.986E-34
chr6	TCONS_00081638	XLOC_070733	17813756	17814122	-	1	OS06G0502900	CUFF.1324 OS06T05029(i	TSS7517	1.968E-24	
chr6	TCONS_00081640	XLOC_070737	17837741	17838124	-	1	OS06G0503400	CUFF.1326 OS06T05034(i	TSS7518	3.295E-55	
chr6	TCONS_00081644	XLOC_070856	19316784	19317019	-	1	NA	CUFF.1327 NA	u	TSS7530	2.005E-39
chr6	TCONS_00081645	XLOC_070858	19318048	19318277	-	1	NA	CUFF.1327 NA	u	TSS7530	1.25E-16
chr6	TCONS_00079401	XLOC_070890	19544951	19545188	-	1	OS06G0527100	CUFF.1041 OS06T05271(i	TSS7533	5.54E-17	
chr6	TCONS_00081648	XLOC_070903	19669548	19669797	-	1	NA	CUFF.1329 NA	u	TSS7535	3.301E-22
chr6	TCONS_00079467	XLOC_070951	20159206	20159409	-	1	OS06G0538000	CUFF.1043 OS06T05380(i	TSS7540	0	

chr6	TCONS_00081655	XLOC_070972	20367207	20367449	-	1	NA	CUFF.1330 NA	u	TSS7542	5.418E-30
chr6	TCONS_00081656	XLOC_070976	20375751	20375990	-	1	OS06G0542150	CUFF.1332 OS06T0542150(i	i	TSS7543	2.859E-30
chr6	TCONS_00081658	XLOC_070978	20378324	20378555	-	1	OS06G0542150	CUFF.1332 OS06T0542150(i	i	TSS7543	5.596E-40
chr6	TCONS_00081660	XLOC_070980	20379878	20380517	-	1	OS06G0542150	CUFF.1332 OS06T0542150(i	i	TSS7543	1.643E-15
chr6	TCONS_00081661	XLOC_070981	20381437	20381797	-	1	NA	CUFF.1330 NA	u	TSS7543	2.859E-30
chr6	TCONS_00079573	XLOC_071059	21105134	21105360	-	1	NA	CUFF.1044 NA	u	TSS7551	0
chr6	TCONS_00081667	XLOC_071062	21107216	21107640	-	1	NA	CUFF.1334 NA	u	TSS7552	1.312E-25
chr6	TCONS_00081668	XLOC_071063	21110020	21110377	-	1	OS06G0554700	CUFF.1335 OS06T0554700(x	x	TSS7552	1.339E-23
chr6	TCONS_00079578	XLOC_071067	21152149	21152371	-	1	NA	CUFF.1044 NA	u	TSS7552	1.444E-33
chr6	TCONS_00081671	XLOC_071069	21153487	21154000	-	1	NA	CUFF.1334 NA	u	TSS7552	2.638E-18
chr6	TCONS_00081673	XLOC_071071	21154603	21154805	-	1	NA	CUFF.1335 NA	u	TSS7553	1.671E-50
chr6	TCONS_00081675	XLOC_071073	21155565	21155908	-	1	NA	CUFF.1335 NA	u	TSS7553	1.326E-28
chr6	TCONS_00081676	XLOC_071074	21156019	21156403	-	1	NA	CUFF.1335 NA	u	TSS7553	0.0020338
chr6	TCONS_00081679	XLOC_071077	21158284	21158701	-	1	NA	CUFF.1335 NA	u	TSS7553	0.0053377
chr6	TCONS_00081680	XLOC_071082	21186127	21186603	-	1	OS06G0556000	CUFF.1336 OS06T0556000(i	i	TSS7554	4.43E-21
chr6	TCONS_00081682	XLOC_071116	21479255	21479521	-	1	OS06G0561000	CUFF.1338 OS06T0561000(i	i	TSS7557	1.339E-23
chr6	TCONS_00081689	XLOC_071156	21809336	21809553	-	1	NA	CUFF.1338 NA	u	TSS7562	1.815E-17
chr6	TCONS_00081690	XLOC_071157	21809850	21810513	-	1	NA	CUFF.1338 NA	u	TSS7562	0.0027698
chr6	TCONS_00081691	XLOC_071158	21810569	21811197	-	1	OS06G0565900	CUFF.1339 OS06T0565900(x	x	TSS7562	0.0075517
chr6	TCONS_00081697	XLOC_071216	22309766	22310119	-	1	PP2A1	CUFF.1342 OS06T0574500(i	i	TSS7568	3.353E-60
chr6	TCONS_00081698	XLOC_071218	22310976	22311327	-	1	PP2A1	CUFF.1342 OS06T0574500(x	x	TSS7568	1.761E-15
chr6	TCONS_00079718	XLOC_071219	22312310	22312515	-	1	PP2A1	CUFF.1050 OS06T0574500(x	x	TSS7568	5.053E-76
chr6	TCONS_00079742	XLOC_071245	22559285	22559763	-	1	NA	CUFF.1049 NA	u	TSS7571	3.19E-28
chr6	TCONS_00081711	XLOC_071307	23131743	23131944	-	1	NA	CUFF.1345 NA	u	TSS7578	7.187E-39
chr6	TCONS_00081715	XLOC_071332	23304543	23304847	-	1	OS06G0593100	CUFF.1346 OS06T0593100(i	i	TSS7580	3.129E-15
chr6	TCONS_00081716	XLOC_071357	23502783	23502997	-	1	IAA23	CUFF.1347 OS06T0597000(x	x	TSS7583	3.249E-27
chr6	TCONS_00081718	XLOC_071360	23510404	23510608	-	1	NA	CUFF.1346 NA	u	TSS7583	5.592E-20
chr6	TCONS_00079861	XLOC_071364	23523653	23523869	-	1	NA	CUFF.1054 NA	u	TSS7583	7.003E-77
chr6	TCONS_00081719	XLOC_071364	23523804	23524143	-	1	NA	CUFF.1346 NA	u	TSS7583	6.161E-27
chr6	TCONS_00081725	XLOC_071417	23893038	23893241	-	1	NA	CUFF.1348 NA	u	TSS7589	6.268E-22
chr6	TCONS_00079923	XLOC_071423	23936981	23937213	-	1	OS06G0604500	CUFF.1056 OS06T0604500(i	i	TSS7590	2.943E-29
chr6	TCONS_00081726	XLOC_071424	23940916	23941132	-	1	OS06G0604500	CUFF.1349 OS06T0604500(i	i	TSS7590	9.482E-43
chr6	TCONS_00081728	XLOC_071428	23970091	23970295	-	1	NA	CUFF.1348 NA	u	TSS7590	2.514E-28
chr6	TCONS_00081730	XLOC_071456	24220863	24221115	-	1	OS06G0608500	CUFF.1350 OS06T0608500(i	i	TSS7593	6.523E-60
chr6	TCONS_00079986	XLOC_071492	24424650	24424900	-	1	NA	CUFF.1057 NA	u	TSS7597	0.012046

chr6	TCONS_00081740	XLOC_071493	24425158	24425676	-	1	NA	CUFF.1352 NA	u	TSS7597	0.0037449
chr6	TCONS_00079996	XLOC_071502	24493885	24494105	-	1	SAP8	CUFF.1059 OS06T06128(x		TSS7598	0
chr6	TCONS_00079998	XLOC_071504	24496719	24496954	-	1	OS06G0612900	CUFF.1058 OS06T06129(i		TSS7598	3.755E-26
chr6	TCONS_00081742	XLOC_071542	24831717	24831917	-	1	NA	CUFF.1353 NA	u	TSS7602	3.249E-27
chr6	TCONS_00081743	XLOC_071543	24832056	24832438	-	1	NA	CUFF.1353 NA	u	TSS7602	1.187E-36
chr6	TCONS_00080054	XLOC_071557	24921246	24921473	-	1	NA	CUFF.1059 NA	u	TSS7604	5.147E-27
chr6	TCONS_00080055	XLOC_071558	24921795	24922135	-	1	NA	CUFF.1059 NA	u	TSS7604	2.07E-05
chr6	TCONS_00081747	XLOC_071588	25099053	25099298	-	1	NA	CUFF.1355 NA	u	TSS7607	0.01177
chr6	TCONS_00081749	XLOC_071635	25543393	25543777	-	1	NA	CUFF.1357 NA	u	TSS7612	0.0003797
chr6	TCONS_00080136	XLOC_071637	25547007	25547379	-	1	NA	CUFF.1062 NA	u	TSS7612	5.432E-58
chr6	TCONS_00081755	XLOC_071682	25923864	25924133	-	1	OS06G0638000	CUFF.1358 OS06T06380(i		TSS7617	3.492E-07
chr6	TCONS_00081756	XLOC_071684	25933159	25933454	-	1	NA	CUFF.1358 NA	u	TSS7617	2.863E-13
chr6	TCONS_00080220	XLOC_071720	26217955	26218175	-	1	OS06G0643300	CUFF.1064 OS06T06433(i		TSS7621	5.596E-36
chr6	TCONS_00081757	XLOC_071720	26217732	26218009	-	1	OS06G0643300	CUFF.1359 OS06T06433(i		TSS7621	3.51E-47
chr6	TCONS_00081758	XLOC_071726	26263497	26263704	-	1	OS06G0644100	CUFF.1360 OS06T06441(i		TSS7621	2.248E-36
chr6	TCONS_00080228	XLOC_071728	26273689	26273962	-	1	OS06G0644200	CUFF.1067 OS06T06442(x		TSS7622	0.12416
chr6	TCONS_00080233	XLOC_071733	26283910	26284376	-	1	NCRNA_41177	CUFF.1065 NCRNA_411'x		TSS7622	5.181E-28
chr6	TCONS_00080236	XLOC_071736	26286998	26287236	-	1	NA	CUFF.1065 NA	u	TSS7623	2.51E-31
chr6	TCONS_00080253	XLOC_071751	26403185	26403397	-	1	OS06G0646400	CUFF.1067 OS06T06464(i		TSS7624	0
chr6	TCONS_00080259	XLOC_071757	26426913	26427161	-	1	OS06G0646700	CUFF.1067 OS06T06467(i		TSS7625	8.769E-09
chr6	TCONS_00081763	XLOC_071773	26535471	26535907	-	1	OS06G0649500	CUFF.1364 OS06T06495(i		TSS7627	0.0016153
chr6	TCONS_00080322	XLOC_071813	26811944	26812161	-	1	NA	CUFF.1069 NA	u	TSS7631	9.843E-39
chr6	TCONS_00081769	XLOC_071854	27149215	27149420	-	1	OS06G0659400	CUFF.1365 OS06T06594(x		TSS7635	5.418E-30
chr6	TCONS_00081774	XLOC_071869	27226889	27227560	-	1	NA	CUFF.1365 NA	u	TSS7637	3.07E-16
chr6	TCONS_00081775	XLOC_071870	27227757	27228075	-	1	NA	CUFF.1365 NA	u	TSS7637	3.718E-24
chr6	TCONS_00081776	XLOC_071871	27230270	27230536	-	1	NA	CUFF.1365 NA	u	TSS7637	7.623E-75
chr6	TCONS_00081777	XLOC_071872	27232903	27233290	-	1	OS06G0660800	CUFF.1366 OS06T06608(x		TSS7637	1.562E-40
chr6	TCONS_00080384	XLOC_071877	27253972	27254247	-	1	OS06G0661200	CUFF.1070 OS06T06612(x		TSS7638	0
chr6	TCONS_00080387	XLOC_071880	27263200	27263419	-	1	OS06G0661600	CUFF.1070 OS06T06616(i		TSS7638	6.978E-49
chr6	TCONS_00081779	XLOC_071880	27263283	27263537	-	1	OS06G0661600	CUFF.1366 OS06T06616(i		TSS7638	8.556E-85
chr6	TCONS_00080468	XLOC_071953	27797422	27797626	-	1	OS06G0670500	CUFF.1073 OS06T06705(x		TSS7646	0
chr6	TCONS_00080479	XLOC_071965	27869966	27870208	-	1	NA	CUFF.1073 NA	u	TSS7647	6.096E-16
chr6	TCONS_00081782	XLOC_071976	27961135	27961504	-	1	OS06G0673700	CUFF.1371 OS06T06737(x		TSS7648	2.943E-20
chr6	TCONS_00080492	XLOC_071978	27964166	27964581	-	1	OS06G0673700	CUFF.1076 OS06T06737(i		TSS7649	2.056E-69
chr6	TCONS_00080516	XLOC_071999	28145624	28145837	-	1	OS06G0677500	CUFF.1074 OS06T06775(x		TSS7651	3.174E-60

chr6	TCONS_00081785	XLOC_072004	28180539	28180991	-	1	NA	CUFF.1371	NA	u	TSS7651	1.576E-58
chr6	TCONS_00080540	XLOC_072022	28292971	28293277	-	1	OS06G0679800	CUFF.1075	OS06T06798(x		TSS7653	4.615E-23
chr6	TCONS_00080557	XLOC_072040	28485570	28485912	-	1	NA	CUFF.1076	NA	u	TSS7655	0
chr6	TCONS_00080558	XLOC_072041	28486379	28486581	-	1	NA	CUFF.1077	NA	u	TSS7655	0
chr6	TCONS_00081790	XLOC_072044	28493789	28493989	-	1	OS06G0683800	CUFF.1373	OS06T06838(x		TSS7656	6.222E-68
chr6	TCONS_00081792	XLOC_072067	28672683	28673056	-	1	OS06G0687500	CUFF.1374	OS06T06875(i		TSS7658	6.569E-08
chr6	TCONS_00080591	XLOC_072077	28704367	28704578	-	1	OS06G0688100	CUFF.1080	OS06T06881(i		TSS7659	4.455E-39
chr6	TCONS_00081801	XLOC_072121	28992553	28992984	-	1	NA	CUFF.1376	NA	u	TSS7664	3.301E-22
chr6	TCONS_00081804	XLOC_072146	29207628	29207885	-	1	NCRNA_41367	CUFF.1377	NCRNA_413(x		TSS7666	1.218E-06
chr6	TCONS_00080676	XLOC_072165	29399312	29399737	-	1	MPK4	CUFF.1080	OS06T06994(i		TSS7668	0
chr6	TCONS_00080701	XLOC_072189	29623324	29623590	-	1	NA	CUFF.1081	NA	u	TSS7671	5.147E-27
chr6	TCONS_00080702	XLOC_072190	29624137	29624360	-	1	NA	CUFF.1081	NA	u	TSS7671	1.159E-09
chr6	TCONS_00081809	XLOC_072199	29670987	29671291	-	1	OS06G0702800	CUFF.1380	OS06T07028(x		TSS7672	4.706E-07
chr6	TCONS_00080719	XLOC_072208	29713681	29714006	-	1	OS06G0703800	CUFF.1082	OS06T07038(i		TSS7673	6.263E-56
chr6	TCONS_00080723	XLOC_072213	29751584	29751800	-	1	NA	CUFF.1081	NA	u	TSS7673	5.052E-48
chr6	TCONS_00081814	XLOC_072247	29969859	29970061	-	1	OS06G0708300	CUFF.1382	OS06T07083(x		TSS7677	3.311E-37
chr6	TCONS_00081816	XLOC_072268	30126061	30126469	-	1	OS06G0712300	CUFF.1383	OS06T07123(x		TSS7680	4.203E-26
chr6	TCONS_00080831	XLOC_072309	30409104	30409629	-	1	OS06G0716000	CUFF.1085	OS06T07160(i		TSS7684	0.44465
chr6	TCONS_00080862	XLOC_072339	30595028	30595239	-	1	OS06G0720000	CUFF.1093	OS06T07200(i		TSS7687	7.226E-54
chr6	TCONS_00081821	XLOC_072358	30780834	30781188	-	1	OS06G0724600	CUFF.1386	OS06T07246(i		TSS7689	6.268E-22
chr6	TCONS_00081822	XLOC_072363	30820860	30821076	-	1	OS06G0724900	CUFF.1386	OS06T07249(x		TSS7690	6.522E-60
chr6	TCONS_00081825	XLOC_072390	30969164	30969644	-	1	OS06G0727700	CUFF.1387	OS06T07277(i		TSS7693	2.02E-19
chr6	TCONS_00080929	XLOC_072399	31021087	31021403	-	1	OS06G0728600	CUFF.1087	OS06T07286(x		TSS7694	6.031E-78
chr6	TCONS_00081831	XLOC_072424	31133381	31133655	-	1	OS06G0730500	CUFF.1388	OS06T07305(i		TSS7697	1.19E-21
chr6	TCONS_00081836	XLOC_072449	3382276	3382481	.	1	OS06G0167100	CUFF.1265	OS06T01671(i		TSS7699	2.542E-23
chr6	TCONS_00080976	XLOC_072456	27961323	27961535	.	1	OS06G0673700	CUFF.1075	OS06T06737(i		TSS7700	6.884E-83
chr7	TCONS_00081885	XLOC_072499	350596	350801	+	1	OS07G0106200	CUFF.1091	OS07T01062(i		TSS7704	1.484E-54
chr7	TCONS_00088914	XLOC_072499	350725	351728	+	1	OS07G0106200	CUFF.1393	OS07T01062(i		TSS7704	4.259E-23
chr7	TCONS_00081922	XLOC_072530	526181	526438	+	1	NA	CUFF.1090	NA	u	TSS7708	6.102E-79
chr7	TCONS_00088917	XLOC_072533	560816	561611	+	1	OS07G0110200	CUFF.1392	OS07T01102(x		TSS7708	3.995E-62
chr7	TCONS_00088918	XLOC_072544	646601	646804	+	1	NA	CUFF.1392	NA	u	TSS7710	6.161E-27
chr7	TCONS_00088919	XLOC_072545	647849	648190	+	1	NA	CUFF.1392	NA	u	TSS7710	1.501E-13
chr7	TCONS_00081975	XLOC_072580	939378	939617	+	1	OS07G0117200	CUFF.1091	OS07T01172(x		TSS7713	1.137E-69
chr7	TCONS_00088933	XLOC_072742	2143557	2143762	+	1	OS07G0141500	CUFF.1399	OS07T01415(i		TSS7730	1.19E-21
chr7	TCONS_00082211	XLOC_072807	2643266	2643468	+	1	NA	CUFF.1099	NA	u	TSS7737	4.91E-43

chr7	TCONS_00082212	XLOC_072808	2646215	2646439	+	1	OS07G0150700	CUFF.1101	OS07T01507(i	TSS7737	1.073E-53	
chr7	TCONS_00082238	XLOC_072832	2803531	2803815	+	1	OS07G0153000	CUFF.1099	OS07T01530(x	TSS7739	9.641E-50	
chr7	TCONS_00088942	XLOC_072918	3447662	3447910	+	1	OS07G0164300	CUFF.1406	OS07T01643(i	TSS7749	7.971E-54	
chr7	TCONS_00088943	XLOC_072919	3449481	3449838	+	1	OS07G0164300	CUFF.1406	OS07T01643(i	TSS7749	4.489E-41	
chr7	TCONS_00088945	XLOC_072926	3476293	3476589	+	1	OS07G0164900	CUFF.1406	OS07T01649(i	TSS7749	1.643E-15	
chr7	TCONS_00088946	XLOC_072927	3477549	3478359	+	1	NA	CUFF.1405	NA	u	TSS7749	4.153E-05
chr7	TCONS_00082335	XLOC_072932	3494151	3494351	+	1	OS07G0165200	CUFF.1102	OS07T01652(x	TSS7750	0	
chr7	TCONS_00088949	XLOC_072953	3677316	3677706	+	1	OS07G0168900	CUFF.1407	OS07T01689(x	TSS7753	1.339E-23	
chr7	TCONS_00088950	XLOC_072961	3721936	3722314	+	1	OS07G0170100	CUFF.1408	OS07T01701(i	TSS7754	2.863E-13	
chr7	TCONS_00088953	XLOC_072977	3848986	3849269	+	1	OS07G0173200	CUFF.1408	OS07T01732(i	TSS7755	2.377E-46	
chr7	TCONS_00088957	XLOC_073029	4192684	4193080	+	1	NA	CUFF.1410	NA	u	TSS7761	2.248E-36
chr7	TCONS_00088958	XLOC_073055	4460764	4461035	+	1	OS07G0184300	CUFF.1412	OS07T01843(x	TSS7763	2.529E-33	
chr7	TCONS_00088960	XLOC_073077	4575580	4575802	+	1	TRXH	CUFF.1414	OS07T01860(i	TSS7766	1.05E-52	
chr7	TCONS_00088964	XLOC_073170	5303484	5303894	+	1	NA	CUFF.1417	NA	u	TSS7775	1.739E-22
chr7	TCONS_00088966	XLOC_073198	5575676	5576981	+	1	OS07G0203700	CUFF.1419	OS07T02037(x	TSS7778	2.405E-20	
chr7	TCONS_00082634	XLOC_073213	5690334	5690645	+	1	NA	CUFF.1108	NA	u	TSS7780	5.697E-80
chr7	TCONS_00082683	XLOC_073258	6015998	6016224	+	1	NA	CUFF.1109	NA	u	TSS7785	7.06E-28
chr7	TCONS_00088970	XLOC_073269	6109914	6110368	+	1	OS07G0211800	CUFF.1422	OS07T02118(i	TSS7786	6.267E-22	
chr7	TCONS_00082696	XLOC_073271	6114910	6115122	+	1	OS07G0211800	CUFF.1111	OS07T02118(i	TSS7786	2.603E-09	
chr7	TCONS_00082785	XLOC_073352	7239892	7240122	+	1	NA	CUFF.1113	NA	u	TSS7795	0
chr7	TCONS_00088973	XLOC_073394	7666974	7667182	+	1	OS07G0237700	CUFF.1425	OS07T02377(i	TSS7799	2.216E-26	
chr7	TCONS_00082893	XLOC_073455	8324011	8324423	+	1	ILL7	CUFF.1116	OS07T02497(i	TSS7805	1.045E-56	
chr7	TCONS_00088977	XLOC_073515	8943432	8943661	+	1	NA	CUFF.1429	NA	u	TSS7812	2.02E-19
chr7	TCONS_00088984	XLOC_073637	10494984	10495191	+	1	NA	CUFF.1433	NA	u	TSS7824	4.824E-23
chr7	TCONS_00088986	XLOC_073664	10716188	10716388	+	1	OS07G0281500	CUFF.1433	OS07T02815(x	TSS7827	3.249E-27	
chr7	TCONS_00083142	XLOC_073696	11164984	11165184	+	1	NA	CUFF.1120	NA	u	TSS7830	0
chr7	TCONS_00083159	XLOC_073712	11283609	11283834	+	1	OS07G0291100	CUFF.1121	OS07T02911(i	TSS7832	2.476E-13	
chr7	TCONS_00083160	XLOC_073713	11287184	11287400	+	1	NA	CUFF.1120	NA	u	TSS7832	5.289E-42
chr7	TCONS_00088987	XLOC_073723	11433652	11434061	+	1	OS07G0294100	CUFF.1435	OS07T02941(i	TSS7833	2.984E-32	
chr7	TCONS_00088988	XLOC_073734	11515663	11515995	+	1	OS07G0295200	CUFF.1435	OS07T02952(i	TSS7834	1.713E-27	
chr7	TCONS_00088989	XLOC_073739	11553974	11554572	+	1	OS07G0295800	CUFF.1436	OS07T02958(i	TSS7834	6.428E-42	
chr7	TCONS_00083184	XLOC_073740	11555568	11555866	+	1	OS07G0295800	CUFF.1121	OS07T02958(i	TSS7835	0	
chr7	TCONS_00088990	XLOC_073741	11558669	11559231	+	1	NCRNA_4044	CUFF.1437	NCRNA_404(x	TSS7835	1.027E-29	
chr7	TCONS_00088992	XLOC_073743	11560580	11560801	+	1	OS07G0295800	CUFF.1438	OS07T02958(i	TSS7835	3.361E-42	
chr7	TCONS_00088993	XLOC_073744	11563861	11564302	+	1	OS07G0295800	CUFF.1439	OS07T02958(i	TSS7835	5.961E-15	

chr7	TCONS_00088994	XLOC_073745	11564598	11565001	+	1	OS07G0295800	CUFF.1439 OS07T02958(i	TSS7835	1.501E-13	
chr7	TCONS_00088995	XLOC_073781	11893234	11893440	+	1	OS07G0301200	CUFF.1438 OS07T03012(i	TSS7839	1.25E-16	
chr7	TCONS_00083262	XLOC_073822	12683453	12683689	+	1	OS07G0408100	CUFF.1123 OS07T04081(i	TSS7843	6.723E-15	
chr7	TCONS_00083273	XLOC_073832	12786927	12787143	+	1	OS07G0409700	CUFF.1123 OS07T04097(x	TSS7844	1.911E-56	
chr7	TCONS_00083299	XLOC_073859	13119004	13119565	+	1	NA	CUFF.1124 NA	u	TSS7847	1.193E-05
chr7	TCONS_00089005	XLOC_073859	13119232	13119664	+	1	NA	CUFF.1440 NA	u	TSS7847	1.512E-25
chr7	TCONS_00083300	XLOC_073860	13120122	13120536	+	1	NA	CUFF.1124 NA	u	TSS7847	2.836E-46
chr7	TCONS_00083303	XLOC_073863	13149843	13150125	+	1	NA	CUFF.1124 NA	u	TSS7848	4.323E-43
chr7	TCONS_00089008	XLOC_073863	13149901	13150339	+	1	NA	CUFF.1441 NA	u	TSS7848	5.076E-11
chr7	TCONS_00089009	XLOC_073868	13151933	13152162	+	1	NA	CUFF.1441 NA	u	TSS7848	0.01177
chr7	TCONS_00083310	XLOC_073869	13153965	13154188	+	1	NA	CUFF.1125 NA	u	TSS7848	1.233E-12
chr7	TCONS_00083316	XLOC_073875	13172368	13172585	+	1	NA	CUFF.1125 NA	u	TSS7849	2.053E-55
chr7	TCONS_00083317	XLOC_073876	13173007	13173663	+	1	NCRNA_34393	CUFF.1125 NCRNA_343(x	TSS7849	3.556E-64	
chr7	TCONS_00083318	XLOC_073876	13173840	13174164	+	1	NA	CUFF.1126 NA	u	TSS7849	0
chr7	TCONS_00089011	XLOC_073876	13173529	13173918	+	1	NCRNA_34393	CUFF.1442 NCRNA_343(x	TSS7849	1.616E-25	
chr7	TCONS_00089017	XLOC_073885	13203414	13203668	+	1	NA	CUFF.1442 NA	u	TSS7850	1.187E-36
chr7	TCONS_00083323	XLOC_073887	13204548	13204799	+	1	NA	CUFF.1126 NA	u	TSS7850	0
chr7	TCONS_00083360	XLOC_073921	13526309	13526532	+	1	OS07G0421200	CUFF.1127 OS07T04212(i	TSS7854	3.716E-17	
chr7	TCONS_00083420	XLOC_073985	14510571	14510930	+	1	NA	CUFF.1129 NA	u	TSS7860	0.016844
chr7	TCONS_00083421	XLOC_073986	14511644	14511893	+	1	NA	CUFF.1129 NA	u	TSS7860	4.446E-08
chr7	TCONS_00083452	XLOC_074016	14861957	14862176	+	1	NA	CUFF.1129 NA	u	TSS7863	2.998E-39
chr7	TCONS_00083468	XLOC_074033	15088937	15089331	+	1	NA	CUFF.1130 NA	u	TSS7865	8.414E-63
chr7	TCONS_00089032	XLOC_074039	15108165	15108429	+	1	NA	CUFF.1449 NA	u	TSS7866	6.994E-29
chr7	TCONS_00089033	XLOC_074040	15119378	15119578	+	1	NA	CUFF.1449 NA	u	TSS7866	3.301E-22
chr7	TCONS_00089034	XLOC_074041	15121509	15121709	+	1	NA	CUFF.1450 NA	u	TSS7866	8.25E-41
chr7	TCONS_00089036	XLOC_074043	15126156	15126359	+	1	NA	CUFF.1450 NA	u	TSS7866	6.174E-32
chr7	TCONS_00089037	XLOC_074044	15127993	15128380	+	1	NA	CUFF.1450 NA	u	TSS7866	6.158E-32
chr7	TCONS_00089040	XLOC_074047	15175981	15176192	+	1	NA	CUFF.1450 NA	u	TSS7867	4.293E-21
chr7	TCONS_00089041	XLOC_074048	15185622	15185823	+	1	NA	CUFF.1450 NA	u	TSS7867	1.508E-30
chr7	TCONS_00083478	XLOC_074053	15241222	15241548	+	1	XBOS34	CUFF.1132 OS07T04461(i	TSS7867	0	
chr7	TCONS_00083479	XLOC_074054	15241803	15242012	+	1	XBOS34	CUFF.1132 OS07T04461(i	TSS7867	8.914E-85	
chr7	TCONS_00089047	XLOC_074137	16229639	16229898	+	1	OS07G0462200	CUFF.1454 OS07T04622(x	TSS7876	2.303E-41	
chr7	TCONS_00083593	XLOC_074163	16601231	16601439	+	1	OS07G0467200	CUFF.1134 OS07T04672(i	TSS7879	0	
chr7	TCONS_00089048	XLOC_074166	16628684	16629137	+	1	OS07G0467600	CUFF.1455 OS07T04676(x	TSS7879	0.0005293	
chr7	TCONS_00089050	XLOC_074195	16942811	16943116	+	1	NA	CUFF.1456 NA	u	TSS7882	5.157E-08

chr7	TCONS_00083651	XLOC_074219	17197587	17197833	+	1	NA	CUFF.1135 NA	u	TSS7885	1.167E-21
chr7	TCONS_00089052	XLOC_074220	17206272	17206722	+	1	OS07G0475900	CUFF.1459 OS07T04759(i		TSS7885	4.53E-16
chr7	TCONS_00083655	XLOC_074224	17243026	17243242	+	1	OS07G0476200	CUFF.1137 OS07T04762(i		TSS7885	3.19E-28
chr7	TCONS_00089055	XLOC_074235	17307754	17308250	+	1	NA	CUFF.1457 NA	u	TSS7886	6.048E-24
chr7	TCONS_00089056	XLOC_074248	17421364	17421568	+	1	NA	CUFF.1458 NA	u	TSS7888	0.005791
chr7	TCONS_00083679	XLOC_074251	17423939	17424188	+	1	NA	CUFF.1137 NA	u	TSS7888	2.074E-19
chr7	TCONS_00083682	XLOC_074254	17426603	17426843	+	1	OS07G0479600	CUFF.1137 OS07T04796(x		TSS7888	0.075834
chr7	TCONS_00089057	XLOC_074274	17691154	17691411	+	1	OS07G0483500	CUFF.1460 OS07T04835(i		TSS7890	3.45E-60
chr7	TCONS_00083710	XLOC_074280	17747160	17747394	+	1	OS07G0484300	CUFF.1139 OS07T04843(i		TSS7891	2.056E-11
chr7	TCONS_00083719	XLOC_074289	17797968	17798202	+	1	OS07G0484800	CUFF.1138 OS07T04848(i		TSS7892	1.839E-35
chr7	TCONS_00089059	XLOC_074331	18257355	18257558	+	1	NA	CUFF.1461 NA	u	TSS7896	1.326E-28
chr7	TCONS_00089061	XLOC_074365	18504875	18505469	+	1	NA	CUFF.1461 NA	u	TSS7900	1.842E-05
chr7	TCONS_00083799	XLOC_074372	18534037	18534267	+	1	OS07G0495200	CUFF.1140 OS07T04952(i		TSS7900	5.553E-31
chr7	TCONS_00083803	XLOC_074375	18581976	18582216	+	1	OS07G0496000	CUFF.1140 OS07T04960(i		TSS7901	8.551E-21
chr7	TCONS_00083814	XLOC_074385	18634319	18634693	+	1	NA	CUFF.1141 NA	u	TSS7902	2.527E-66
chr7	TCONS_00089064	XLOC_074385	18634408	18634887	+	1	NA	CUFF.1462 NA	u	TSS7902	1.349E-29
chr7	TCONS_00083853	XLOC_074424	18925755	18925972	+	1	OS07G0501900	CUFF.1142 OS07T05019(i		TSS7906	2.681E-45
chr7	TCONS_00083854	XLOC_074426	18956492	18956883	+	1	OS07G0502200	CUFF.1143 OS07T05022(x		TSS7906	0
chr7	TCONS_00083856	XLOC_074429	18959888	18960864	+	1	OS07G0502200	CUFF.1143 OS07T05022(x		TSS7906	1.897E-86
chr7	TCONS_00083857	XLOC_074430	18961123	18961588	+	1	OS07G0502200	CUFF.1144 OS07T05022(x		TSS7906	0
chr7	TCONS_00089070	XLOC_074454	19164624	19164929	+	1	OS07G0506000	CUFF.1465 OS07T05060(i		TSS7909	1.027E-29
chr7	TCONS_00089074	XLOC_074476	19378284	19378484	+	1	NA	CUFF.1466 NA	u	TSS7911	1.508E-30
chr7	TCONS_00089075	XLOC_074479	19383804	19384009	+	1	NA	CUFF.1466 NA	u	TSS7911	1.168E-26
chr7	TCONS_00083937	XLOC_074513	19667508	19667733	+	1	OS07G0513100	CUFF.1146 OS07T05131(x		TSS7915	1.357E-39
chr7	TCONS_00084004	XLOC_074574	20153092	20153332	+	1	NA	CUFF.1147 NA	u	TSS7921	7.189E-23
chr7	TCONS_00084005	XLOC_074575	20154679	20155183	+	1	NA	CUFF.1148 NA	u	TSS7921	7.764E-53
chr7	TCONS_00089082	XLOC_074610	20391453	20391655	+	1	NA	CUFF.1472 NA	u	TSS7925	1.527E-35
chr7	TCONS_00084078	XLOC_074644	20734661	20734875	+	1	GOS2	CUFF.1152 OS07T05298(i		TSS7929	0.0001868
chr7	TCONS_00084162	XLOC_074723	21443029	21443259	+	1	OS07G0542600	CUFF.1152 OS07T05426(i		TSS7937	1.33E-29
chr7	TCONS_00089093	XLOC_074780	21903984	21904187	+	1	OS07G0551600	CUFF.1477 OS07T05516(x		TSS7943	2.869E-25
chr7	TCONS_00089095	XLOC_074790	22010937	22011243	+	1	NA	CUFF.1480 NA	u	TSS7944	7.959E-31
chr7	TCONS_00084268	XLOC_074829	22272959	22273169	+	1	OS07G0558000	CUFF.1156 OS07T05580(i		TSS7949	1.137E-69
chr7	TCONS_00089105	XLOC_074866	22574130	22574446	+	1	NCRNA_43934	CUFF.1485 NCRNA_439:x		TSS7952	5.636E-58
chr7	TCONS_00089106	XLOC_074880	22637817	22638045	+	1	NA	CUFF.1481 NA	u	TSS7954	5.016E-18
chr7	TCONS_00084321	XLOC_074890	22649873	22650123	+	1	OS07G0564800	CUFF.1157 OS07T05648(i		TSS7955	0

chr7	TCONS_00084323	XLOC_074892	22656883	22657087	+	1	NA	CUFF.1157 NA	u	TSS7955	0
chr7	TCONS_00084324	XLOC_074893	22658039	22658354	+	1	OS07G0565100	CUFF.1158 OS07T05651(x		TSS7955	2.139E-77
chr7	TCONS_00084336	XLOC_074905	22719836	22720114	+	1	NA	CUFF.1157 NA	u	TSS7956	1.121E-17
chr7	TCONS_00089120	XLOC_074912	22773992	22774204	+	1	OS07G0566800	CUFF.1483 OS07T05668(x		TSS7957	0.075834
chr7	TCONS_00084353	XLOC_074922	22857960	22858242	+	1	NA	CUFF.1158 NA	u	TSS7958	1.007E-43
chr7	TCONS_00089122	XLOC_074939	22967584	22967796	+	1	OS07G0570300	CUFF.1486 OS07T05703(i		TSS7960	1.508E-30
chr7	TCONS_00089125	XLOC_074957	23069494	23069965	+	1	NA	CUFF.1484 NA	u	TSS7962	3.414E-08
chr7	TCONS_00089127	XLOC_074961	23089470	23089671	+	1	OS07G0571900	CUFF.1485 OS07T05719(i		TSS7962	3.249E-27
chr7	TCONS_00084453	XLOC_075019	23432341	23432581	+	1	NA	CUFF.1161 NA	u	TSS7968	3.192E-33
chr7	TCONS_00089130	XLOC_075028	23513513	23513818	+	1	OS07G0581000	CUFF.1488 OS07T05810(i		TSS7969	1.387E-18
chr7	TCONS_00084461	XLOC_075029	23514034	23514269	+	1	OS07G0581000	CUFF.1162 OS07T05810(i		TSS7969	1.842E-25
chr7	TCONS_00089131	XLOC_075051	23657171	23657374	+	1	OS07G0583700	CUFF.1487 OS07T05837(i		TSS7972	6.268E-22
chr7	TCONS_00089133	XLOC_075069	23789025	23789305	+	1	OS07G0585600	CUFF.1488 OS07T05856(i		TSS7974	2.529E-33
chr7	TCONS_00089134	XLOC_075072	23801993	23802411	+	1	OS07G0585800	CUFF.1489 OS07T05858(x		TSS7974	5.016E-18
chr7	TCONS_00089136	XLOC_075082	23908564	23908802	+	1	OS07G0587400	CUFF.1490 OS07T05874(i		TSS7975	2.529E-33
chr7	TCONS_00084563	XLOC_075126	24273583	24273894	+	1	NA	CUFF.1164 NA	u	TSS7980	0.0066932
chr7	TCONS_00089139	XLOC_075127	24273977	24274290	+	1	NA	CUFF.1491 NA	u	TSS7980	6.604E-06
chr7	TCONS_00089143	XLOC_075130	24275688	24275949	+	1	NA	CUFF.1491 NA	u	TSS7981	1.276E-05
chr7	TCONS_00089146	XLOC_075156	24526851	24527366	+	1	OS07G0601100	CUFF.1492 OS07T06011(i		TSS7984	1.063E-19
chr7	TCONS_00089148	XLOC_075166	24658135	24658491	+	1	NCRNA_3627	CUFF.1492 NCRNA_362' x		TSS7985	2.654E-11
chr7	TCONS_00089149	XLOC_075182	24761620	24761939	+	1	OS07G0604550	CUFF.1493 OS07T06045(x		TSS7986	6.267E-22
chr7	TCONS_00089152	XLOC_075228	25020402	25020654	+	1	OS07G0608500	CUFF.1496 OS07T06085(i		TSS7991	2.921E-17
chr7	TCONS_00084666	XLOC_075229	25020692	25021027	+	1	OS07G0608500	CUFF.1168 OS07T06085(i		TSS7991	5.926E-30
chr7	TCONS_00084688	XLOC_075251	25226695	25227705	+	1	OS07G0613000	CUFF.1169 OS07T06130(x		TSS7993	2.473E-39
chr7	TCONS_00089159	XLOC_075277	25369300	25369530	+	1	OS07G0615800	CUFF.1496 OS07T06158(x		TSS7997	2.897E-27
chr7	TCONS_00084779	XLOC_075332	25728334	25728773	+	1	DAHPS2	CUFF.1174 OS07T06222(x		TSS8003	5.568E-85
chr7	TCONS_00089167	XLOC_075332	25728641	25728843	+	1	DAHPS2	CUFF.1502 OS07T06222(x		TSS8003	3.51E-47
chr7	TCONS_00084783	XLOC_075337	25761896	25762221	+	1	NA	CUFF.1171 NA	u	TSS8003	0
chr7	TCONS_00089171	XLOC_075339	25765166	25765373	+	1	NA	CUFF.1499 NA	u	TSS8004	2.217E-31
chr7	TCONS_00089172	XLOC_075340	25777849	25778893	+	1	OS07G0623100	CUFF.1500 OS07T06231(x		TSS8004	6.831E-89
chr7	TCONS_00089173	XLOC_075341	25779115	25779887	+	1	NA	CUFF.1500 NA	u	TSS8004	0.0016332
chr7	TCONS_00089174	XLOC_075342	25779940	25780539	+	1	NA	CUFF.1500 NA	u	TSS8004	2.497E-05
chr7	TCONS_00089183	XLOC_075387	26101951	26102279	+	1	NA	CUFF.1501 NA	u	TSS8009	9.239E-09
chr7	TCONS_00084862	XLOC_075417	26262428	26262719	+	1	OS07G0633100	CUFF.1174 OS07T06331(i		TSS8012	2.962E-08
chr7	TCONS_00089188	XLOC_075423	26295062	26295263	+	1	OS07G0633500	CUFF.1503 OS07T06335(i		TSS8013	2.943E-20

chr7	TCONS_00089191	XLOC_075448	26484578	26484871	+	1	OS07G0637300	CUFF.1505 OS07T063730(i	TSS8016	1.027E-29
chr7	TCONS_00089194	XLOC_075453	26531775	26532145	+	1	NA	CUFF.1504 NA	u	TSS8016 2.137E-10
chr7	TCONS_00089196	XLOC_075457	26547576	26547820	+	1	NA	CUFF.1505 NA	u	TSS8016 2.891E-35
chr7	TCONS_00089197	XLOC_075479	26688227	26688485	+	1	NA	CUFF.1505 NA	u	TSS8019 9.158E-23
chr7	TCONS_00089199	XLOC_075509	26890991	26891731	+	1	OS07G0645100	CUFF.1508 OS07T064510(x	TSS8022	0.0025663
chr7	TCONS_00084952	XLOC_075510	26891742	26892261	+	1	NA	CUFF.1177 NA	u	TSS8022 5.616E-57
chr7	TCONS_00089200	XLOC_075510	26891939	26892469	+	1	NA	CUFF.1506 NA	u	TSS8022 0.003985
chr7	TCONS_00089201	XLOC_075512	26893268	26893818	+	1	NA	CUFF.1507 NA	u	TSS8022 5.665E-17
chr7	TCONS_00089202	XLOC_075513	26893960	26894272	+	1	NA	CUFF.1506 NA	u	TSS8022 1.084E-15
chr7	TCONS_00089203	XLOC_075515	26895122	26895688	+	1	NA	CUFF.1507 NA	u	TSS8023 2.243E-07
chr7	TCONS_00089207	XLOC_075519	26897333	26897572	+	1	NA	CUFF.1507 NA	u	TSS8023 7.187E-39
chr7	TCONS_00084962	XLOC_075521	26898749	26898993	+	1	NA	CUFF.1177 NA	u	TSS8023 2.147E-33
chr7	TCONS_00089210	XLOC_075522	26899162	26900000	+	1	NA	CUFF.1508 NA	u	TSS8024 1.165E-31
chr7	TCONS_00089211	XLOC_075523	26900082	26900563	+	1	NA	CUFF.1508 NA	u	TSS8024 1.183E-21
chr7	TCONS_00089212	XLOC_075524	26901872	26902939	+	1	NA	CUFF.1509 NA	u	TSS8024 4.517E-08
chr7	TCONS_00089214	XLOC_075537	26964522	26965112	+	1	OS07G0646100	CUFF.1509 OS07T064610(i	TSS8025	1.509E-07
chr7	TCONS_00089216	XLOC_075552	27044837	27045039	+	1	OS07G0647600	CUFF.1510 OS07T064760(x	TSS8027	1.339E-23
chr7	TCONS_00085070	XLOC_075621	27591071	27591275	+	1	OS07G0656100	CUFF.1181 OS07T065610(x	TSS8034	0
chr7	TCONS_00089220	XLOC_075644	27774833	27775125	+	1	NA	CUFF.1512 NA	u	TSS8037 6.821E-10
chr7	TCONS_00085105	XLOC_075657	27836467	27836786	+	1	NA	CUFF.1182 NA	u	TSS8038 1.82E-14
chr7	TCONS_00085106	XLOC_075658	27837038	27837445	+	1	NA	CUFF.1182 NA	u	TSS8038 2.097E-74
chr7	TCONS_00085107	XLOC_075659	27837623	27837965	+	1	NA	CUFF.1182 NA	u	TSS8038 5.156E-70
chr7	TCONS_00085108	XLOC_075660	27838456	27839081	+	1	NA	CUFF.1182 NA	u	TSS8039 3.501E-85
chr7	TCONS_00089228	XLOC_075660	27838329	27838675	+	1	NA	CUFF.1513 NA	u	TSS8039 5.551E-44
chr7	TCONS_00089231	XLOC_075666	27875470	27875672	+	1	OS07G0661100	CUFF.1514 OS07T066110(i	TSS8040	2.869E-25
chr7	TCONS_00085119	XLOC_075673	27891005	27891254	+	1	OS07G0661400	CUFF.1183 OS07T066140(x	TSS8040	9.302E-56
chr7	TCONS_00085131	XLOC_075686	27920453	27920657	+	1	OS07G0661600	CUFF.1184 OS07T066160(i	TSS8042	0
chr7	TCONS_00089247	XLOC_075717	28077187	28077409	+	1	SODCC2	CUFF.1517 OS07T066520(i	TSS8045	2.139E-49
chr7	TCONS_00089248	XLOC_075731	28191107	28191357	+	1	OS07G0667400	CUFF.1517 OS07T066740(x	TSS8047	3.311E-37
chr7	TCONS_00089249	XLOC_075738	28219686	28219893	+	1	OS07G0668200	CUFF.1518 OS07T066820(x	TSS8047	1.033E-24
chr7	TCONS_00085199	XLOC_075756	28317099	28317319	+	1	OS07G0669700	CUFF.1187 OS07T066970(i	TSS8049	0
chr7	TCONS_00089251	XLOC_075780	28455133	28455728	+	1	OS07G0673200	CUFF.1519 OS07T067320(i	TSS8052	1.739E-22
chr7	TCONS_00085249	XLOC_075804	28637751	28637973	+	1	OS07G0676200	CUFF.1188 OS07T067620(i	TSS8054	2.395E-42
chr7	TCONS_00089256	XLOC_075822	28740559	28740961	+	1	NA	CUFF.1521 NA	u	TSS8056 4.53E-16
chr7	TCONS_00085277	XLOC_075831	28822545	28822772	+	1	OS07G0680300	CUFF.1188 OS07T068030(i	TSS8057	4.606E-19

chr7	TCONS_00085338	XLOC_075895	29197382	29197878	+	1	OS07G0687100	CUFF.1191 OS07T06871(x	TSS8064	0
chr7	TCONS_00085355	XLOC_075915	29349361	29349568	+	1	NA	CUFF.1191 NA u	TSS8066	0
chr7	TCONS_00085372	XLOC_075927	29439116	29439318	+	1	TBP2	CUFF.1193 OS07T06918(x	TSS8068	1.484E-54
chr7	TCONS_00085403	XLOC_075954	29586374	29586608	+	1	NA	CUFF.1193 NA u	TSS8071	1.561E-32
chr7	TCONS_00089276	XLOC_075963	29670699	29670921	+	1	NA	CUFF.1527 NA u	TSS8072	6.57E-17
chr7	TCONS_00085413	XLOC_075965	29673285	29673490	+	1	NA	CUFF.1193 NA u	TSS8072	2.235E-14
chr7	TCONS_00089282	XLOC_075973	29677586	29678010	+	1	NA	CUFF.1528 NA u	TSS8073	1.809E-17
chr7	TCONS_00085419	XLOC_075974	29678113	29678465	+	1	NA	CUFF.1194 NA u	TSS8073	1.877E-12
chr7	TCONS_00089284	XLOC_075981	37533	37851	-	1	OS07G0100500	CUFF.1389 OS07T01005(i	TSS8074	9.526E-05
chr7	TCONS_00085448	XLOC_076007	291782	292008	-	1	OS07G0105000	CUFF.1089 OS07T01050(x	TSS8076	1.441E-28
chr7	TCONS_00085485	XLOC_076047	574189	574551	-	1	NA	CUFF.1090 NA u	TSS8080	0.036535
chr7	TCONS_00089296	XLOC_076048	574676	575105	-	1	NA	CUFF.1392 NA u	TSS8081	4.476E-45
chr7	TCONS_00085487	XLOC_076050	575823	576050	-	1	OS07G0110400	CUFF.1090 OS07T01104(x	TSS8081	1.228E-30
chr7	TCONS_00085514	XLOC_076077	798062	798385	-	1	OS07G0114300	CUFF.1092 OS07T01143(i	TSS8084	7.532E-62
chr7	TCONS_00085563	XLOC_076125	1091750	1091969	-	1	NA	CUFF.1092 NA u	TSS8089	1.2E-46
chr7	TCONS_00089302	XLOC_076134	1134068	1134616	-	1	NA	CUFF.1394 NA u	TSS8090	1.859E-10
chr7	TCONS_00085607	XLOC_076169	1449516	1449878	-	1	NA	CUFF.1094 NA u	TSS8093	1.818E-15
chr7	TCONS_00085660	XLOC_076218	1844126	1844327	-	1	OS07G0134500	CUFF.1095 OS07T01345(x	TSS8099	3.123E-83
chr7	TCONS_00089315	XLOC_076306	2505039	2505490	-	1	NA	CUFF.1400 NA u	TSS8108	1.388E-11
chr7	TCONS_00089316	XLOC_076306	2505567	2505959	-	1	NA	CUFF.1401 NA u	TSS8108	3.839E-19
chr7	TCONS_00089318	XLOC_076308	2507148	2507576	-	1	NA	CUFF.1401 NA u	TSS8109	7.535E-19
chr7	TCONS_00089321	XLOC_076315	2539698	2540044	-	1	NA	CUFF.1401 NA u	TSS8109	0.024257
chr7	TCONS_00085797	XLOC_076346	2797257	2797606	-	1	OS07G0152800	CUFF.1099 OS07T01528(x	TSS8113	1.254E-38
chr7	TCONS_00089326	XLOC_076395	3200530	3200741	-	1	OS07G0159800	CUFF.1403 OS07T01598(i	TSS8118	9.526E-05
chr7	TCONS_00085849	XLOC_076398	3243657	3243878	-	1	OS07G0160300	CUFF.1100 OS07T01603(x	TSS8118	1.291E-45
chr7	TCONS_00089332	XLOC_076431	3414754	3415092	-	1	NA	CUFF.1404 NA u	TSS8122	7.056E-24
chr7	TCONS_00085889	XLOC_076443	3449559	3449763	-	1	OS07G0164300	CUFF.1102 OS07T01643(i	TSS8123	0
chr7	TCONS_00089336	XLOC_076463	3601512	3601764	-	1	NA	CUFF.1405 NA u	TSS8125	2.542E-23
chr7	TCONS_00085936	XLOC_076492	3844576	3844968	-	1	NA	CUFF.1102 NA u	TSS8128	2.007E-36
chr7	TCONS_00085943	XLOC_076501	3874221	3874449	-	1	OS07G0173501	CUFF.1105 OS07T01735(i	TSS8129	0.0003223
chr7	TCONS_00089343	XLOC_076503	3911130	3911389	-	1	NA	CUFF.1409 NA u	TSS8129	7.209E-24
chr7	TCONS_00089348	XLOC_076538	4181335	4181612	-	1	OS07G0179200	CUFF.1410 OS07T01792(x	TSS8133	7.056E-24
chr7	TCONS_00089351	XLOC_076556	4340902	4341107	-	1	OS07G0182200	CUFF.1412 OS07T01822(i	TSS8135	2.542E-23
chr7	TCONS_00086008	XLOC_076570	4469476	4469742	-	1	NA	CUFF.1105 NA u	TSS8136	0
chr7	TCONS_00089354	XLOC_076572	4484808	4485190	-	1	NA	CUFF.1412 NA u	TSS8136	5.443E-25

chr7	TCONS_00089359	XLOC_076594	4653821	4654184	-	1	NA	CUFF.1413 NA	u	TSS8139	7.959E-31
chr7	TCONS_00089360	XLOC_076603	4738650	4738882	-	1	OS07G0188800	CUFF.1415 OS07T01888(i		TSS8140	1.168E-26
chr7	TCONS_00089364	XLOC_076627	4990715	4990956	-	1	NA	CUFF.1415 NA	u	TSS8142	2.503E-19
chr7	TCONS_00089365	XLOC_076630	4999498	4999699	-	1	OS07G0192550	CUFF.1415 OS07T01925(i		TSS8143	7.048E-34
chr7	TCONS_00089367	XLOC_076660	5248776	5248988	-	1	NA	CUFF.1416 NA	u	TSS8146	1.739E-22
chr7	TCONS_00086118	XLOC_076684	5453159	5453388	-	1	OS07G0201100	CUFF.1108 OS07T02011(i		TSS8148	1.561E-32
chr7	TCONS_00089371	XLOC_076693	5542442	5542650	-	1	NA	CUFF.1417 NA	u	TSS8149	2.216E-26
chr7	TCONS_00089375	XLOC_076712	5655505	5655821	-	1	OS07G0205000	CUFF.1419 OS07T02050(i		TSS8151	1.351E-09
chr7	TCONS_00086145	XLOC_076715	5663496	5663722	-	1	OS07G0205200	CUFF.1109 OS07T02052(x		TSS8151	1.688E-31
chr7	TCONS_00089377	XLOC_076743	5877689	5878042	-	1	OS07G0208801	CUFF.1419 OS07T02088(i		TSS8154	7.056E-24
chr7	TCONS_00089378	XLOC_076747	5934737	5934939	-	1	OS07G0209401	CUFF.1420 OS07T02094(x		TSS8155	2.859E-30
chr7	TCONS_00089379	XLOC_076756	6036629	6036853	-	1	OS07G0211101	CUFF.1420 OS07T02111(i		TSS8156	0.01177
chr7	TCONS_00086188	XLOC_076757	6037699	6038020	-	1	NA	CUFF.1110 NA	u	TSS8156	4.455E-39
chr7	TCONS_00086190	XLOC_076759	6039359	6039692	-	1	NA	CUFF.1109 NA	u	TSS8156	4.505E-15
chr7	TCONS_00089383	XLOC_076763	6052034	6052319	-	1	NA	CUFF.1420 NA	u	TSS8156	1.742E-55
chr7	TCONS_00089386	XLOC_076813	6497834	6498280	-	1	OS07G0217600	CUFF.1424 OS07T02176(i		TSS8162	4.325E-10
chr7	TCONS_00086298	XLOC_076867	6959261	6959510	-	1	NA	CUFF.1112 NA	u	TSS8167	6.88E-11
chr7	TCONS_00086336	XLOC_076897	7238969	7239171	-	1	NA	CUFF.1113 NA	u	TSS8170	0
chr7	TCONS_00086343	XLOC_076905	7317533	7318010	-	1	OS07G0231700	CUFF.1425 OS07T02317(x		TSS8171	0.53323
chr7	TCONS_00086371	XLOC_076932	7546661	7546906	-	1	OS07G0235800	CUFF.1114 OS07T02358(x		TSS8174	4.505E-15
chr7	TCONS_00089396	XLOC_076940	7622014	7622368	-	1	OS07G0236800	CUFF.1426 OS07T02368(i		TSS8175	4.53E-16
chr7	TCONS_00086609	XLOC_077171	10179128	10179417	-	1	NCRNA_44111	CUFF.1118 NCRNA_441 x		TSS8199	4.955E-06
chr7	TCONS_00086657	XLOC_077218	10638259	10638478	-	1	4CLL7	CUFF.1119 OS07T02802(x		TSS8204	7.06E-28
chr7	TCONS_00086677	XLOC_077239	10752973	10753202	-	1	OS07G0282300	CUFF.1120 OS07T02823(i		TSS8206	3.192E-33
chr7	TCONS_00086710	XLOC_077270	11064501	11064706	-	1	NA	CUFF.1120 NA	u	TSS8209	1.073E-53
chr7	TCONS_00089421	XLOC_077293	11360859	11361060	-	1	OS07G0292800	CUFF.1435 OS07T02928(i		TSS8211	6.268E-22
chr7	TCONS_00089423	XLOC_077299	11480370	11480788	-	1	NA	CUFF.1435 NA	u	TSS8212	1.643E-15
chr7	TCONS_00089424	XLOC_077300	11480970	11481275	-	1	OS07G0294600	CUFF.1435 OS07T02946(x		TSS8212	8.155E-21
chr7	TCONS_00089426	XLOC_077304	11497903	11498186	-	1	OS07G0294800	CUFF.1436 OS07T02948(i		TSS8212	2.953E-65
chr7	TCONS_00089427	XLOC_077310	11580508	11581366	-	1	OS07G0296000	CUFF.1438 OS07T02960(i		TSS8213	2.38E-16
chr7	TCONS_00089428	XLOC_077311	11581586	11581872	-	1	OS07G0296000	CUFF.1439 OS07T02960(i		TSS8213	0.030927
chr7	TCONS_00086748	XLOC_077313	11587241	11587462	-	1	NA	CUFF.1121 NA	u	TSS8213	1.842E-25
chr7	TCONS_00086758	XLOC_077323	11678444	11678678	-	1	NCRNA_5875	CUFF.1121 NCRNA_587:x		TSS8214	1.561E-32
chr7	TCONS_00089430	XLOC_077329	11727721	11728065	-	1	NA	CUFF.1436 NA	u	TSS8215	2.248E-36
chr7	TCONS_00086764	XLOC_077330	11728083	11728497	-	1	NA	CUFF.1121 NA	u	TSS8215	0.20934

chr7	TCONS_00086766	XLOC_077332	11730176	11730408	-	1	NA	CUFF.1121	NA	u	TSS8215	3.533E-22
chr7	TCONS_00089432	XLOC_077335	11780496	11780728	-	1	OS07G0299600	CUFF.1436	OS07T02996(i		TSS8215	1.339E-23
chr7	TCONS_00086768	XLOC_077336	11782997	11783229	-	1	NCRNA_40804	CUFF.1122	NCRNA_40804(x		TSS8216	1.463E-38
chr7	TCONS_00086808	XLOC_077375	12425565	12425855	-	1	OS07G0405100	CUFF.1122	OS07T04051(x		TSS8220	4.391E-34
chr7	TCONS_00086845	XLOC_077402	12751134	12751377	-	1	OS07G0409100	CUFF.1123	OS07T04091(i		TSS8223	3.764E-36
chr7	TCONS_00086846	XLOC_077403	12756226	12756478	-	1	OS07G0409100	CUFF.1123	OS07T04091(i		TSS8223	0
chr7	TCONS_00086904	XLOC_077460	13267755	13268098	-	1	NA	CUFF.1127	NA	u	TSS8229	2.989E-57
chr7	TCONS_00089442	XLOC_077461	13268750	13269068	-	1	NA	CUFF.1442	NA	u	TSS8229	2.869E-25
chr7	TCONS_00089444	XLOC_077469	13314071	13314339	-	1	OS07G0418200	CUFF.1445	OS07T04182(i		TSS8230	1.361E-38
chr7	TCONS_00086948	XLOC_077502	13600948	13601163	-	1	NA	CUFF.1128	NA	u	TSS8233	8.914E-85
chr7	TCONS_00089447	XLOC_077502	13600844	13601089	-	1	NA	CUFF.1444	NA	u	TSS8233	8.522E-20
chr7	TCONS_00086949	XLOC_077503	13601378	13601723	-	1	NA	CUFF.1128	NA	u	TSS8233	1.167E-21
chr7	TCONS_00089450	XLOC_077541	14308158	14308368	-	1	NA	CUFF.1446	NA	u	TSS8237	7.393E-44
chr7	TCONS_00089451	XLOC_077542	14308445	14308929	-	1	NA	CUFF.1446	NA	u	TSS8237	2.223E-67
chr7	TCONS_00089452	XLOC_077543	14309159	14309386	-	1	NA	CUFF.1446	NA	u	TSS8237	1.02E-52
chr7	TCONS_00089453	XLOC_077573	14611419	14611620	-	1	OS07G0436700	CUFF.1448	OS07T04367(x		TSS8240	1.512E-25
chr7	TCONS_00087035	XLOC_077589	14729490	14729914	-	1	NA	CUFF.1130	NA	u	TSS8242	1.441E-28
chr7	TCONS_00089459	XLOC_077593	14744374	14744661	-	1	OS07G0438700	CUFF.1448	OS07T04387(x		TSS8243	2.139E-49
chr7	TCONS_00087058	XLOC_077618	14988711	14988966	-	1	OS07G0442900	CUFF.1130	OS07T04429(x		TSS8245	0
chr7	TCONS_00087085	XLOC_077642	15407253	15407628	-	1	PIP2-1	CUFF.1133	OS07T04488(i		TSS8248	1.274E-20
chr7	TCONS_00087148	XLOC_077707	16003786	16004137	-	1	NA	CUFF.1132	NA	u	TSS8254	1.053E-15
chr7	TCONS_00087149	XLOC_077708	16004393	16004598	-	1	NA	CUFF.1132	NA	u	TSS8254	0
chr7	TCONS_00089477	XLOC_077758	16520697	16520922	-	1	OS07G0466200	CUFF.1456	OS07T04662(i		TSS8260	3.129E-15
chr7	TCONS_00089478	XLOC_077773	16653180	16653382	-	1	OS07G0467800	CUFF.1455	OS07T04678(i		TSS8261	7.656E-49
chr7	TCONS_00089484	XLOC_077797	16967446	16967663	-	1	OS07G0472400	CUFF.1456	OS07T04724(i		TSS8264	1.508E-53
chr7	TCONS_00089486	XLOC_077807	17110734	17111052	-	1	NA	CUFF.1457	NA	u	TSS8265	2.303E-41
chr7	TCONS_00089487	XLOC_077833	17401628	17401975	-	1	OS07G0479100	CUFF.1458	OS07T04791(i		TSS8268	2.38E-16
chr7	TCONS_00087302	XLOC_077863	17772963	17773171	-	1	NA	CUFF.1138	NA	u	TSS8271	1.484E-54
chr7	TCONS_00087358	XLOC_077920	18317779	18318066	-	1	NA	CUFF.1139	NA	u	TSS8277	6.49E-50
chr7	TCONS_00087359	XLOC_077921	18319005	18319215	-	1	NA	CUFF.1139	NA	u	TSS8277	5.588E-26
chr7	TCONS_00087378	XLOC_077940	18456392	18456606	-	1	NA	CUFF.1139	NA	u	TSS8279	2.943E-29
chr7	TCONS_00087412	XLOC_077972	18652159	18652399	-	1	PNG1	CUFF.1142	OS07T04974(i		TSS8282	0
chr7	TCONS_00087429	XLOC_077988	18815520	18816084	-	1	NA	CUFF.1141	NA	u	TSS8284	0.12416
chr7	TCONS_00089503	XLOC_077989	18816910	18817112	-	1	NA	CUFF.1463	NA	u	TSS8284	2.943E-20
chr7	TCONS_00089504	XLOC_077990	18817504	18817728	-	1	NA	CUFF.1463	NA	u	TSS8284	1.713E-27

chr7	TCONS_00087473	XLOC_078029	19272817	19273058	-	1	OS07G0507500	CUFF.1143 OS07T05075(i	TSS8288	2.306E-10	
chr7	TCONS_00089506	XLOC_078032	19282244	19282468	-	1	NCRNA_1016	CUFF.1466 NCRNA_101(x	TSS8288	5.681E-10	
chr7	TCONS_00087483	XLOC_078040	19362388	19362589	-	1	NA	CUFF.1143 NA	u	TSS8289	3.407E-07
chr7	TCONS_00089510	XLOC_078073	19590589	19591075	-	1	NA	CUFF.1467 NA	u	TSS8292	3.301E-22
chr7	TCONS_00089512	XLOC_078075	19592605	19593437	-	1	OS07G0511900	CUFF.1467 OS07T05119(x	TSS8293	0.73083	
chr7	TCONS_00089515	XLOC_078098	19840415	19840744	-	1	OS07G0515900	CUFF.1468 OS07T05159(x	TSS8295	1.168E-26	
chr7	TCONS_00089517	XLOC_078105	19899747	19899997	-	1	NA	CUFF.1468 NA	u	TSS8296	4.409E-59
chr7	TCONS_00087556	XLOC_078110	19921921	19922140	-	1	OS07G0516900	CUFF.1147 OS07T05169(x	TSS8296	9.688E-29	
chr7	TCONS_00089524	XLOC_078136	20103231	20103452	-	1	NA	CUFF.1469 NA	u	TSS8299	2.542E-23
chr7	TCONS_00089526	XLOC_078138	20106005	20106323	-	1	NA	CUFF.1469 NA	u	TSS8299	4.824E-23
chr7	TCONS_00087594	XLOC_078150	20205317	20206049	-	1	NA	CUFF.1148 NA	u	TSS8301	1.671E-23
chr7	TCONS_00087595	XLOC_078151	20206137	20206673	-	1	NA	CUFF.1148 NA	u	TSS8301	1.422E-28
chr7	TCONS_00089530	XLOC_078151	20206418	20206841	-	1	NA	CUFF.1470 NA	u	TSS8301	4.823E-23
chr7	TCONS_00087596	XLOC_078152	20208184	20208692	-	1	NA	CUFF.1148 NA	u	TSS8302	1.084E-42
chr7	TCONS_00087597	XLOC_078153	20209421	20209864	-	1	NA	CUFF.1148 NA	u	TSS8302	1.596E-37
chr7	TCONS_00089533	XLOC_078154	20210402	20210635	-	1	NA	CUFF.1470 NA	u	TSS8302	6.048E-24
chr7	TCONS_00087601	XLOC_078158	20213779	20214347	-	1	PDR5	CUFF.1150 OS07T05225(x	TSS8302	2.382E-88	
chr7	TCONS_00089537	XLOC_078161	20249492	20249838	-	1	NA	CUFF.1471 NA	u	TSS8303	2.216E-26
chr7	TCONS_00089539	XLOC_078163	20252779	20253012	-	1	OS07G0522900	CUFF.1471 OS07T05229(x	TSS8303	0.13872	
chr7	TCONS_00089543	XLOC_078220	20765607	20766010	-	1	PDRP1	CUFF.1474 OS07T05306(i	TSS8309	6.267E-22	
chr7	TCONS_00089544	XLOC_078221	20768023	20768380	-	1	PDRP1	CUFF.1474 OS07T05306(i	TSS8309	5.016E-18	
chr7	TCONS_00087664	XLOC_078224	20770058	20770396	-	1	OS07G0530700	CUFF.1151 OS07T05307(i	TSS8309	1.696E-26	
chr7	TCONS_00087699	XLOC_078256	21063212	21063478	-	1	OS07G0536300	CUFF.1151 OS07T05363(i	TSS8312	5.855E-14	
chr7	TCONS_00089551	XLOC_078269	21132318	21132643	-	1	OS07G0537400	CUFF.1474 OS07T05374(x	TSS8314	5.076E-11	
chr7	TCONS_00089552	XLOC_078278	21178557	21178779	-	1	NA	CUFF.1475 NA	u	TSS8315	9.712E-11
chr7	TCONS_00089554	XLOC_078329	21616400	21616959	-	1	CIGR1	CUFF.1476 OS07T05458(i	TSS8320	4.963E-29	
chr7	TCONS_00089556	XLOC_078351	21795970	21796172	-	1	NA	CUFF.1476 NA	u	TSS8322	1.264E-18
chr7	TCONS_00087794	XLOC_078356	21821503	21821749	-	1	OS07G0549700	CUFF.1154 OS07T05497(i	TSS8323	2.235E-14	
chr7	TCONS_00089565	XLOC_078445	22564450	22564686	-	1	NA	CUFF.1480 NA	u	TSS8332	8.833E-51
chr7	TCONS_00087926	XLOC_078480	22783453	22783730	-	1	OS07G0567000	CUFF.1158 OS07T05670(x	TSS8336	0	
chr7	TCONS_00089567	XLOC_078513	23004174	23004462	-	1	OS07G0570700	CUFF.1484 OS07T05707(i	TSS8339	0.024257	
chr7	TCONS_00089571	XLOC_078543	23244274	23244674	-	1	OS07G0574800	CUFF.1486 OS07T05748(i	TSS8343	7.297E-19	
chr7	TCONS_00089573	XLOC_078556	23301738	23302117	-	1	OS07G0575900	CUFF.1487 OS07T05759(x	TSS8344	2.469E-51	
chr7	TCONS_00089577	XLOC_078591	23525862	23526068	-	1	NA	CUFF.1487 NA	u	TSS8348	5.183E-48
chr7	TCONS_00088054	XLOC_078606	23620116	23620327	-	1	OS07G0583200	CUFF.1162 OS07T05832(i	TSS8349	3.091E-66	

chr7	TCONS_00088059	XLOC_078611	23643879	23644116	-	1	NA	CUFF.1162 NA	u	TSS8350	8.259E-31
chr7	TCONS_00089579	XLOC_078612	23650893	23651648	-	1	CIGR2	CUFF.1488 OS07T05836(i		TSS8350	2.854E-39
chr7	TCONS_00089580	XLOC_078615	23673603	23674367	-	1	OS07G0584000	CUFF.1488 OS07T05840(i		TSS8350	1.749E-06
chr7	TCONS_00088062	XLOC_078616	23675318	23675692	-	1	OS07G0584000	CUFF.1163 OS07T05840(i		TSS8350	6.078E-07
chr7	TCONS_00088064	XLOC_078618	23678795	23679069	-	1	WNK5	CUFF.1162 OS07T05841(i		TSS8350	5.832E-57
chr7	TCONS_00089582	XLOC_078627	23723515	23723771	-	1	OS07G0584900	CUFF.1488 OS07T05849(i		TSS8351	1.959E-24
chr7	TCONS_00089583	XLOC_078630	23746666	23747061	-	1	OS07G0585000	CUFF.1489 OS07T05850(i		TSS8352	1.835E-12
chr7	TCONS_00088076	XLOC_078632	23782502	23783508	-	1	OS07G0585500	CUFF.1163 OS07T05855(x		TSS8352	2.658E-40
chr7	TCONS_00088201	XLOC_078756	24700762	24700996	-	1	OS07G0603600	CUFF.1166 OS07T06036(i		TSS8365	2.603E-09
chr7	TCONS_00088213	XLOC_078766	24767740	24767947	-	1	NA	CUFF.1166 NA	u	TSS8366	0
chr7	TCONS_00089596	XLOC_078768	24793679	24793880	-	1	MADS18	CUFF.1493 OS07T06052(x		TSS8366	3.162E-76
chr7	TCONS_00089599	XLOC_078812	25046082	25046944	-	1	OS07G0608900	CUFF.1494 OS07T06089(x		TSS8371	1.05E-15
chr7	TCONS_00088267	XLOC_078819	25104329	25104540	-	1	NA	CUFF.1168 NA	u	TSS8371	2.58E-41
chr7	TCONS_00089603	XLOC_078837	25260172	25260372	-	1	OS07G0613600	CUFF.1495 OS07T06136(x		TSS8373	3.721E-34
chr7	TCONS_00089610	XLOC_078880	25607649	25608100	-	1	NA	CUFF.1498 NA	u	TSS8378	1.059E-39
chr7	TCONS_00089611	XLOC_078881	25608505	25608888	-	1	NA	CUFF.1498 NA	u	TSS8378	4.2E-31
chr7	TCONS_00088371	XLOC_078925	25972609	25973049	-	1	NA	CUFF.1172 NA	u	TSS8383	1.164E-32
chr7	TCONS_00089615	XLOC_078925	25972760	25974030	-	1	NA	CUFF.1501 NA	u	TSS8383	0.000165
chr7	TCONS_00089617	XLOC_078927	25974924	25975249	-	1	NA	CUFF.1502 NA	u	TSS8383	1.387E-18
chr7	TCONS_00089622	XLOC_078964	26235931	26236132	-	1	OS07G0632600	CUFF.1503 OS07T06326(i		TSS8387	3.249E-27
chr7	TCONS_00089627	XLOC_078991	26404196	26404503	-	1	LT16A	CUFF.1505 OS07T06359(x		TSS8390	9.158E-23
chr7	TCONS_00089629	XLOC_079015	26642928	26643231	-	1	OS07G0640200	CUFF.1506 OS07T06402(i		TSS8392	5.596E-40
chr7	TCONS_00089631	XLOC_079047	26845216	26845999	-	1	OS07G0644600	CUFF.1508 OS07T06446(x		TSS8396	1.713E-27
chr7	TCONS_00089637	XLOC_079065	26959738	26960188	-	1	NA	CUFF.1509 NA	u	TSS8398	1.508E-53
chr7	TCONS_00089640	XLOC_079071	26989272	26989472	-	1	NA	CUFF.1509 NA	u	TSS8398	1.508E-30
chr7	TCONS_00089643	XLOC_079086	27074139	27074344	-	1	OS07G0648266	CUFF.1511 OS07T06482(i		TSS8400	2.638E-18
chr7	TCONS_00088535	XLOC_079089	27080136	27080345	-	1	NA	CUFF.1179 NA	u	TSS8400	1.463E-38
chr7	TCONS_00089644	XLOC_079089	27080273	27080502	-	1	NA	CUFF.1510 NA	u	TSS8401	1.512E-25
chr7	TCONS_00088568	XLOC_079122	27550155	27550508	-	1	OS07G0655300	CUFF.1512 OS07T06553(x		TSS8404	5.473E-15
chr7	TCONS_00089645	XLOC_079123	27550639	27550839	-	1	NA	CUFF.1511 NA	u	TSS8404	6.994E-29
chr7	TCONS_00089649	XLOC_079145	27713029	27713242	-	1	NA	CUFF.1512 NA	u	TSS8406	4.53E-16
chr7	TCONS_00089657	XLOC_079204	28052757	28053196	-	1	NA	CUFF.1516 NA	u	TSS8412	2.838E-66
chr7	TCONS_00088684	XLOC_079240	28263552	28263771	-	1	NA	CUFF.1185 NA	u	TSS8416	3.192E-33
chr7	TCONS_00089662	XLOC_079241	28263908	28264251	-	1	NA	CUFF.1517 NA	u	TSS8416	1.562E-40
chr7	TCONS_00089663	XLOC_079245	28269517	28269745	-	1	NA	CUFF.1517 NA	u	TSS8417	1.859E-10

chr7	TCONS_00089668	XLOC_079273	28413936	28414171	-	1	NA	CUFF.1518 NA	u	TSS8420	7.585E-13
chr7	TCONS_00089670	XLOC_079284	28485420	28485732	-	1	NA	CUFF.1519 NA	u	TSS8421	1.739E-22
chr7	TCONS_00089673	XLOC_079308	28712674	28712883	-	1	NA	CUFF.1520 NA	u	TSS8423	3.414E-08
chr7	TCONS_00088786	XLOC_079341	28890042	28890266	-	1	NCRNA_3660	CUFF.1189 NCRNA_3660(x		TSS8427	2.232E-65
chr7	TCONS_00089675	XLOC_079352	28965701	28965906	-	1	APY2	CUFF.1523 OS07T06828(x		TSS8428	1.19E-21
chr7	TCONS_00089676	XLOC_079365	29074404	29074736	-	1	WOX11	CUFF.1524 OS07T06849(i		TSS8430	3.839E-19
chr7	TCONS_00088822	XLOC_079377	29161565	29161882	-	1	NA	CUFF.1190 NA	u	TSS8431	1.168E-41
chr7	TCONS_00088842	XLOC_079393	29256312	29256654	-	1	OS07G0688500	CUFF.1191 OS07T06885(x		TSS8433	8.316E-26
chr7	TCONS_00089679	XLOC_079403	29329339	29329869	-	1	NA	CUFF.1525 NA	u	TSS8434	6.821E-10
chr7	TCONS_00088868	XLOC_079418	29467599	29467833	-	1	NA	CUFF.1192 NA	u	TSS8435	4.378E-29
chr7	TCONS_00089691	XLOC_079461	21139246	21139447	.	1	OS07G0537500	CUFF.1475 OS07T05375(i		TSS8440	2.943E-20
chr8	TCONS_00096333	XLOC_079489	115837	116091	+	1	OS08G0102100	CUFF.1529 OS08T01021(i		TSS8443	4.824E-23
chr8	TCONS_00089735	XLOC_079505	271262	271474	+	1	OS08G0104900	CUFF.1195 OS08T01049(i		TSS8445	1.78E-57
chr8	TCONS_00089760	XLOC_079531	434960	435244	+	1	OS08G0108700	CUFF.1196 OS08T01087(x		TSS8447	1.484E-11
chr8	TCONS_00089761	XLOC_079532	436268	436484	+	1	OS08G0108700	CUFF.1196 OS08T01087(x		TSS8448	8.688E-46
chr8	TCONS_00089838	XLOC_079605	915798	916006	+	1	NA	CUFF.1198 NA	u	TSS8455	0
chr8	TCONS_00096344	XLOC_079606	916728	916929	+	1	NA	CUFF.1534 NA	u	TSS8456	1.512E-25
chr8	TCONS_00089841	XLOC_079609	919493	919753	+	1	NA	CUFF.1198 NA	u	TSS8456	4.736E-21
chr8	TCONS_00096348	XLOC_079611	920655	921018	+	1	NA	CUFF.1534 NA	u	TSS8456	0.002878
chr8	TCONS_00089847	XLOC_079616	965674	965901	+	1	NA	CUFF.1199 NA	u	TSS8457	2.024E-15
chr8	TCONS_00096351	XLOC_079642	1125228	1125517	+	1	OS08G0120500	CUFF.1536 OS08T01205(x		TSS8459	6.821E-10
chr8	TCONS_00096354	XLOC_079656	1207037	1207328	+	1	OS08G0122000	CUFF.1536 OS08T01220(i		TSS8461	4.2E-31
chr8	TCONS_00089924	XLOC_079696	1569493	1569696	+	1	NA	CUFF.1200 NA	u	TSS8465	6.622E-39
chr8	TCONS_00096356	XLOC_079697	1572609	1572972	+	1	NA	CUFF.1537 NA	u	TSS8465	9.541E-18
chr8	TCONS_00096357	XLOC_079698	1573029	1573472	+	1	NA	CUFF.1537 NA	u	TSS8465	1.533E-40
chr8	TCONS_00096358	XLOC_079699	1573696	1573992	+	1	NA	CUFF.1537 NA	u	TSS8465	1.033E-24
chr8	TCONS_00096366	XLOC_079796	2268670	2268989	+	1	OS08G0140500	CUFF.1541 OS08T01405(x		TSS8476	9.939E-09
chr8	TCONS_00096370	XLOC_079819	2578996	2579196	+	1	OS08G0145600	CUFF.1541 OS08T01456(i		TSS8478	3.249E-27
chr8	TCONS_00096372	XLOC_079860	3061968	3062294	+	1	NA	CUFF.1543 NA	u	TSS8482	8.51E-46
chr8	TCONS_00090108	XLOC_079877	3167882	3168378	+	1	NCRNA_39536	CUFF.1544 NCRNA_395(x		TSS8484	1.55E-39
chr8	TCONS_00090109	XLOC_079878	3168831	3169068	+	1	OS08G0155000	CUFF.1206 OS08T01550(i		TSS8484	2.476E-13
chr8	TCONS_00096376	XLOC_079878	3168751	3168956	+	1	OS08G0155000	CUFF.1544 OS08T01550(i		TSS8484	0
chr8	TCONS_00096386	XLOC_079908	3339145	3339485	+	1	ROMT-9	CUFF.1546 OS08T01575(i		TSS8488	0.30177
chr8	TCONS_00096387	XLOC_079909	3339654	3340249	+	1	ROMT-9	CUFF.1547 OS08T01575(i		TSS8488	3.088E-07
chr8	TCONS_00096389	XLOC_079929	3463121	3463509	+	1	LSD1	CUFF.1547 OS08T01595(x		TSS8490	4.766E-28

chr8	TCONS_00096390	XLOC_079930	3464431	3464635	+	1	NA	CUFF.1546 NA	u	TSS8490	1.17E-31
chr8	TCONS_00090165	XLOC_079932	3508845	3509051	+	1	OS08G0159800	CUFF.1209 OS08T01598(x		TSS8490	0.04715
chr8	TCONS_00096398	XLOC_080026	4150377	4150737	+	1	NA	CUFF.1551 NA	u	TSS8500	1.739E-22
chr8	TCONS_00096402	XLOC_080058	4387933	4388252	+	1	OS08G0175200	CUFF.1554 OS08T01752(i		TSS8503	1.326E-28
chr8	TCONS_00096405	XLOC_080073	4510573	4510977	+	1	NA	CUFF.1553 NA	u	TSS8505	1.027E-29
chr8	TCONS_00096406	XLOC_080074	4511578	4512284	+	1	NA	CUFF.1553 NA	u	TSS8505	3.279E-41
chr8	TCONS_00090321	XLOC_080092	4603613	4603813	+	1	OS08G0178700	CUFF.1214 OS08T01787(x		TSS8507	0
chr8	TCONS_00096410	XLOC_080093	4610963	4611166	+	1	OS08G0178800	CUFF.1555 OS08T01788(i		TSS8507	6.268E-22
chr8	TCONS_00096413	XLOC_080120	4843376	4843583	+	1	NA	CUFF.1556 NA	u	TSS8510	4.824E-23
chr8	TCONS_00096415	XLOC_080128	4956769	4957131	+	1	NA	CUFF.1556 NA	u	TSS8511	7.869E-14
chr8	TCONS_00090358	XLOC_080130	4961790	4961992	+	1	NA	CUFF.1216 NA	u	TSS8511	0
chr8	TCONS_00096417	XLOC_080131	4963719	4963974	+	1	NA	CUFF.1557 NA	u	TSS8511	2.38E-16
chr8	TCONS_00090408	XLOC_080182	5327180	5327673	+	1	OS08G0191100	CUFF.1217 OS08T01911(x		TSS8516	0
chr8	TCONS_00096423	XLOC_080187	5332778	5333071	+	1	NA	CUFF.1559 NA	u	TSS8517	4.872E-05
chr8	TCONS_00096424	XLOC_080188	5334059	5334468	+	1	NA	CUFF.1559 NA	u	TSS8517	9.036E-28
chr8	TCONS_00090448	XLOC_080223	5521670	5521890	+	1	NA	CUFF.1218 NA	u	TSS8520	1.654E-75
chr8	TCONS_00096429	XLOC_080224	5522359	5522573	+	1	NA	CUFF.1560 NA	u	TSS8520	1.815E-17
chr8	TCONS_00090477	XLOC_080254	5685118	5685480	+	1	NA	CUFF.1219 NA	u	TSS8524	1.893E-83
chr8	TCONS_00096434	XLOC_080255	5685760	5685969	+	1	NA	CUFF.1560 NA	u	TSS8524	9.158E-23
chr8	TCONS_00090480	XLOC_080257	5686606	5686853	+	1	NA	CUFF.1218 NA	u	TSS8524	2.98E-24
chr8	TCONS_00096436	XLOC_080258	5687151	5687355	+	1	NA	CUFF.1561 NA	u	TSS8524	2.638E-18
chr8	TCONS_00090493	XLOC_080270	5810359	5810936	+	1	NA	CUFF.1219 NA	u	TSS8525	5.909E-30
chr8	TCONS_00096439	XLOC_080271	5814860	5815099	+	1	OS08G0200400	CUFF.1562 OS08T02004(x		TSS8526	2.064E-44
chr8	TCONS_00096442	XLOC_080315	6243975	6244201	+	1	OS08G0207000	CUFF.1564 OS08T02070(x		TSS8530	2.529E-33
chr8	TCONS_00096444	XLOC_080357	6741517	6741718	+	1	OS08G0215400	CUFF.1565 OS08T02154(i		TSS8535	7.048E-34
chr8	TCONS_00090659	XLOC_080417	7562397	7562624	+	1	OS08G0224200	CUFF.1224 OS08T02242(i		TSS8541	2.272E-18
chr8	TCONS_00096448	XLOC_080456	7950156	7950405	+	1	OS08G0230300	CUFF.1568 OS08T02303(x		TSS8545	1.361E-38
chr8	TCONS_00090702	XLOC_080463	7981607	7981808	+	1	NA	CUFF.1225 NA	u	TSS8546	6.785E-89
chr8	TCONS_00096456	XLOC_080507	8338795	8339086	+	1	OS08G0237100	CUFF.1569 OS08T02371(x		TSS8551	5.636E-58
chr8	TCONS_00090816	XLOC_080578	8904216	8904776	+	1	NA	CUFF.1226 NA	u	TSS8558	1.593E-63
chr8	TCONS_00090904	XLOC_080667	9629609	9629845	+	1	XBOS35	CUFF.1229 OS08T02582(i		TSS8567	0
chr8	TCONS_00096463	XLOC_080668	9632012	9632401	+	1	XBOS35	CUFF.1573 OS08T02582(x		TSS8567	5.463E-13
chr8	TCONS_00090968	XLOC_080729	10270899	10271102	+	1	NA	CUFF.1229 NA	u	TSS8573	1.086E-64
chr8	TCONS_00091135	XLOC_080883	11794000	11794244	+	1	OS08G0293300	CUFF.1235 OS08T02933(i		TSS8590	0
chr8	TCONS_00096473	XLOC_080890	11872288	11872744	+	1	NA	CUFF.1578 NA	u	TSS8591	0.0002217

chr8	TCONS_00091143	XLOC_080891	11872962	11873219	+	1	NA	CUFF.1234 NA	u	TSS8591	1.19E-21
chr8	TCONS_00096475	XLOC_080892	11873297	11873760	+	1	NA	CUFF.1579 NA	u	TSS8591	1.043E-12
chr8	TCONS_00091145	XLOC_080894	11875053	11875290	+	1	OS08G0295100	CUFF.1234 OS08T02951(x		TSS8591	4.745E-28
chr8	TCONS_00096478	XLOC_080899	11958979	11959185	+	1	OS08G0296600	CUFF.1579 OS08T02966(i		TSS8591	5.592E-20
chr8	TCONS_00096482	XLOC_080941	12429594	12429804	+	1	NA	CUFF.1580 NA	u	TSS8596	9.158E-23
chr8	TCONS_00091201	XLOC_080955	12721899	12722123	+	1	OS08G0305000	CUFF.1236 OS08T03050(i		TSS8597	2.325E-27
chr8	TCONS_00096484	XLOC_080972	12907927	12908142	+	1	OS08G0308100	CUFF.1581 OS08T03081(i		TSS8599	1.502E-66
chr8	TCONS_00096485	XLOC_080973	12909701	12909905	+	1	OS08G0308100	CUFF.1581 OS08T03081(i		TSS8599	5.592E-20
chr8	TCONS_00091223	XLOC_080978	13003441	13003666	+	1	OS08G0308700	CUFF.1237 OS08T03087(i		TSS8599	4.746E-28
chr8	TCONS_00096486	XLOC_080979	13031567	13031781	+	1	OS08G0309300	CUFF.1581 OS08T03093(i		TSS8600	1.02E-52
chr8	TCONS_00091282	XLOC_081042	14016604	14016842	+	1	NA	CUFF.1237 NA	u	TSS8606	6.15E-12
chr8	TCONS_00096493	XLOC_081045	14049486	14049688	+	1	NA	CUFF.1583 NA	u	TSS8606	6.161E-27
chr8	TCONS_00096495	XLOC_081055	14109039	14109302	+	1	OS08G0323000	CUFF.1585 OS08T03230(i		TSS8607	6.994E-29
chr8	TCONS_00091303	XLOC_081065	14187817	14188034	+	1	NA	CUFF.1238 NA	u	TSS8608	5.132E-32
chr8	TCONS_00096503	XLOC_081086	14314703	14315066	+	1	NA	CUFF.1585 NA	u	TSS8611	3.249E-27
chr8	TCONS_00096507	XLOC_081129	14720959	14721159	+	1	OS08G0332600	CUFF.1586 OS08T03326(x		TSS8615	9.806E-48
chr8	TCONS_00091387	XLOC_081155	14982746	14982973	+	1	OS08G0335000	CUFF.1242 OS08T03350(i		TSS8618	1.672E-17
chr8	TCONS_00096511	XLOC_081218	15630030	15630320	+	1	NA	CUFF.1589 NA	u	TSS8624	5.016E-18
chr8	TCONS_00091469	XLOC_081230	15741830	15742071	+	1	NA	CUFF.1244 NA	u	TSS8626	3.534E-22
chr8	TCONS_00096519	XLOC_081382	17558777	17559289	+	1	OS08G0374600	CUFF.1593 OS08T03746(x		TSS8641	0
chr8	TCONS_00096522	XLOC_081413	17816937	17817281	+	1	OS08G0378800	CUFF.1594 OS08T03788(i		TSS8645	1.388E-11
chr8	TCONS_00091656	XLOC_081417	17833702	17833922	+	1	OS08G0379000	CUFF.1247 OS08T03790(i		TSS8645	9.708E-34
chr8	TCONS_00091666	XLOC_081427	17949020	17949251	+	1	NA	CUFF.1247 NA	u	TSS8646	9.83E-24
chr8	TCONS_00091686	XLOC_081444	18132424	18133357	+	1	OS08G0384500	CUFF.1251 OS08T03845(x		TSS8648	2.885E-30
chr8	TCONS_00096525	XLOC_081446	18134102	18134560	+	1	NA	CUFF.1596 NA	u	TSS8648	3.047E-24
chr8	TCONS_00096529	XLOC_081471	18275866	18276337	+	1	NA	CUFF.1596 NA	u	TSS8651	2.335E-22
chr8	TCONS_00096532	XLOC_081498	18528589	18528789	+	1	OS08G0391300	CUFF.1597 OS08T03913(i		TSS8654	2.061E-83
chr8	TCONS_00096535	XLOC_081546	18965096	18965460	+	1	OS08G0398000	CUFF.1600 OS08T03980(i		TSS8659	5.463E-13
chr8	TCONS_00091924	XLOC_081661	19895042	19895255	+	1	NA	CUFF.1255 NA	u	TSS8671	3.488E-37
chr8	TCONS_00096544	XLOC_081662	19901804	19902201	+	1	OS08G0416100	CUFF.1604 OS08T04161(x		TSS8671	1.615E-05
chr8	TCONS_00091925	XLOC_081663	19904412	19904644	+	1	OS08G0416100	CUFF.1255 OS08T04161(i		TSS8671	4.21E-20
chr8	TCONS_00096549	XLOC_081709	20248821	20249277	+	1	OS08G0422600	CUFF.1606 OS08T04226(x		TSS8676	5.596E-40
chr8	TCONS_00096550	XLOC_081720	20363866	20364260	+	1	NA	CUFF.1606 NA	u	TSS8677	4.791E-33
chr8	TCONS_00096551	XLOC_081721	20365102	20365575	+	1	NA	CUFF.1606 NA	u	TSS8677	0.0014412
chr8	TCONS_00096552	XLOC_081752	20582579	20582804	+	1	OS08G0427900	CUFF.1608 OS08T04279(i		TSS8680	1.335E-33

chr8	TCONS_00096554	XLOC_081766	20698916	20699160	+	1	OS08G0429200	CUFF.1607	OS08T04292(x	TSS8681	6.161E-27	
chr8	TCONS_00092124	XLOC_081867	21511779	21512319	+	1	OS08G0441500	CUFF.1261	OS08T04415(i	TSS8692	0	
chr8	TCONS_00092138	XLOC_081881	21630793	21631000	+	1	NA	CUFF.1260	NA	u	TSS8693	1.007E-43
chr8	TCONS_00096566	XLOC_081902	21820865	21821110	+	1	OS08G0447000	CUFF.1613	OS08T04470(i	TSS8695	6.901E-52	
chr8	TCONS_00092161	XLOC_081904	21845499	21845726	+	1	OS08G0447300	CUFF.1261	OS08T04473(i	TSS8695	6.012E-30	
chr8	TCONS_00096567	XLOC_081905	21845779	21845998	+	1	OS08G0447300	CUFF.1613	OS08T04473(i	TSS8696	0.0001868	
chr8	TCONS_00096568	XLOC_081906	21846174	21846466	+	1	OS08G0447300	CUFF.1612	OS08T04473(x	TSS8696	3.839E-19	
chr8	TCONS_00096572	XLOC_081918	21953750	21954143	+	1	OS08G0449500	CUFF.1614	OS08T04495(i	TSS8697	3.802E-12	
chr8	TCONS_00096573	XLOC_081931	22046578	22046787	+	1	OS08G0451400	CUFF.1614	OS08T04514(i	TSS8698	1.063E-19	
chr8	TCONS_00092186	XLOC_081932	22064427	22064641	+	1	OS08G0451500	CUFF.1263	OS08T04515(i	TSS8698	1.612E-64	
chr8	TCONS_00096574	XLOC_081933	22065612	22065825	+	1	OS08G0451500	CUFF.1615	OS08T04515(i	TSS8699	2.165E-14	
chr8	TCONS_00092189	XLOC_081938	22099238	22099467	+	1	NA	CUFF.1262	NA	u	TSS8699	1.561E-32
chr8	TCONS_00096585	XLOC_082101	23417062	23417262	+	1	NA	CUFF.1619	NA	u	TSS8716	8.25E-41
chr8	TCONS_00092379	XLOC_082118	23579088	23579298	+	1	OS08G0478100	CUFF.1267	OS08T04781(x	TSS8718	5.608E-86	
chr8	TCONS_00096587	XLOC_082119	23581363	23581707	+	1	OS08G0478200	CUFF.1620	OS08T04782(i	TSS8718	1.739E-22	
chr8	TCONS_00096588	XLOC_082143	23803543	23803874	+	1	NA	CUFF.1621	NA	u	TSS8720	7.264E-12
chr8	TCONS_00096591	XLOC_082154	23852943	23853358	+	1	OS08G0482600	CUFF.1621	OS08T04826(x	TSS8722	7.297E-19	
chr8	TCONS_00092416	XLOC_082157	23858282	23858654	+	1	NA	CUFF.1268	NA	u	TSS8722	1.996E-18
chr8	TCONS_00092597	XLOC_082325	25043459	25043679	+	1	NA	CUFF.1272	NA	u	TSS8740	6.863E-19
chr8	TCONS_00096605	XLOC_082329	25052734	25052937	+	1	NA	CUFF.1628	NA	u	TSS8740	1.326E-28
chr8	TCONS_00092616	XLOC_082347	25219383	25219597	+	1	CM-LOX1	CUFF.1275	OS08T05088(i	TSS8742	4.369E-50	
chr8	TCONS_00092617	XLOC_082348	25220437	25220647	+	1	CM-LOX1	CUFF.1275	OS08T05088(i	TSS8742	8.458E-80	
chr8	TCONS_00096611	XLOC_082422	25689737	25690008	+	1	OS08G0517600	CUFF.1632	OS08T05176(x	TSS8750	1.179E-54	
chr8	TCONS_00096615	XLOC_082449	25872617	25872941	+	1	NA	CUFF.1633	NA	u	TSS8753	0
chr8	TCONS_00092753	XLOC_082479	26121254	26121644	+	1	OS08G0525000	CUFF.1277	OS08T05250(x	TSS8756	4.436E-24	
chr8	TCONS_00092759	XLOC_082485	26164055	26164268	+	1	NA	CUFF.1278	NA	u	TSS8757	1.382E-55
chr8	TCONS_00096621	XLOC_082493	26231186	26231821	+	1	NA	CUFF.1635	NA	u	TSS8758	1.758E-06
chr8	TCONS_00096622	XLOC_082496	26264878	26265078	+	1	OS08G0527600	CUFF.1636	OS08T05276(i	TSS8758	2.139E-49	
chr8	TCONS_00092776	XLOC_082501	26309319	26309561	+	1	OS08G0528500	CUFF.1278	OS08T05285(x	TSS8759	1.33E-29	
chr8	TCONS_00096627	XLOC_082577	26795262	26795497	+	1	OS08G0536300	CUFF.1639	OS08T05363(i	TSS8767	7.959E-31	
chr8	TCONS_00092876	XLOC_082590	26882532	26882745	+	1	NA	CUFF.1281	NA	u	TSS8768	8.039E-75
chr8	TCONS_00092888	XLOC_082600	26929914	26930124	+	1	NA	CUFF.1281	NA	u	TSS8770	0
chr8	TCONS_00096633	XLOC_082653	27324441	27324828	+	1	OS08G0545500	CUFF.1641	OS08T05455(x	TSS8775	3.907E-44	
chr8	TCONS_00092979	XLOC_082691	27547963	27548225	+	1	NA	CUFF.1284	NA	u	TSS8779	2.608E-63
chr8	TCONS_00096639	XLOC_082692	27558611	27558901	+	1	APX4	CUFF.1644	OS08T05491(i	TSS8779	2.02E-19	

chr8	TCONS_00096642	XLOC_082695	27567887	27568100	+	1	OS08G0549300	CUFF.1643	OS08T05493(x	TSS8779	1.512E-25	
chr8	TCONS_00096643	XLOC_082701	27588182	27588500	+	1	OS08G0550100	CUFF.1644	OS08T05501(x	TSS8780	0.0023321	
chr8	TCONS_00093067	XLOC_082778	27962113	27962353	+	1	OS08G0558700	CUFF.1286	OS08T05587(i	TSS8788	1.238E-25	
chr8	TCONS_00096648	XLOC_082781	27970280	27970483	+	1	OS08G0559000	CUFF.1646	OS08T05590(x	TSS8789	1.25E-16	
chr8	TCONS_00093098	XLOC_082810	28170315	28170525	+	1	OS08G0562600	CUFF.1287	OS08T05626(x	TSS8791	2.139E-77	
chr8	TCONS_00093146	XLOC_082855	82374	82591	-	1	OS08G0101400	CUFF.1194	OS08T01014(i	TSS8796	1.14E-26	
chr8	TCONS_00093195	XLOC_082895	369023	369231	-	1	OS08G0107500	CUFF.1196	OS08T01075(i	TSS8801	0	
chr8	TCONS_00096660	XLOC_082949	702103	702523	-	1	FRK2	CUFF.1533	OS08T01131(x	TSS8806	7.297E-19	
chr8	TCONS_00096661	XLOC_083036	1526614	1526832	-	1	GAPC1	CUFF.1546	OS08T01263(x	TSS8815	8.25E-41	
chr8	TCONS_00096667	XLOC_083084	1848531	1849131	-	1	NA	CUFF.1538	NA	u	TSS8820	0.081063
chr8	TCONS_00096668	XLOC_083085	1850039	1850244	-	1	NA	CUFF.1538	NA	u	TSS8820	5.418E-30
chr8	TCONS_00093404	XLOC_083093	2030175	2030379	-	1	OS08G0135900	CUFF.1204	OS08T01359(i	TSS8821	2.724E-85	
chr8	TCONS_00093414	XLOC_083103	2085565	2085783	-	1	ARP4	CUFF.1202	OS08T01372(x	TSS8822	1.237E-35	
chr8	TCONS_00093418	XLOC_083108	2129825	2130047	-	1	OS08G0137800	CUFF.1202	OS08T01378(x	TSS8823	0	
chr8	TCONS_00093463	XLOC_083147	2434563	2434795	-	1	OS08G0144000	CUFF.1203	OS08T01440(i	TSS8827	5.524E-13	
chr8	TCONS_00093499	XLOC_083180	2880668	2880892	-	1	NA	CUFF.1204	NA	u	TSS8830	9.128E-40
chr8	TCONS_00093500	XLOC_083181	2886384	2886607	-	1	NA	CUFF.1204	NA	u	TSS8831	7.632E-32
chr8	TCONS_00096678	XLOC_083228	3174540	3174746	-	1	OS08G0155100	CUFF.1544	OS08T01551(i	TSS8835	1.25E-16	
chr8	TCONS_00096679	XLOC_083237	3281606	3281846	-	1	OS08G0156600	CUFF.1544	OS08T01566(i	TSS8836	2.064E-44	
chr8	TCONS_00093572	XLOC_083250	3368649	3369030	-	1	OS08G0157600	CUFF.1211	OS08T01576(i	TSS8838	0	
chr8	TCONS_00093573	XLOC_083251	3373571	3373788	-	1	NA	CUFF.1208	NA	u	TSS8838	3.658E-47
chr8	TCONS_00093653	XLOC_083325	3859094	3859731	-	1	OS08G0166400	CUFF.1210	OS08T01664(x	TSS8846	6.775E-44	
chr8	TCONS_00093692	XLOC_083363	4121531	4121749	-	1	NA	CUFF.1211	NA	u	TSS8850	4.11E-79
chr8	TCONS_00093741	XLOC_083412	4443123	4443345	-	1	NA	CUFF.1213	NA	u	TSS8856	1.39E-44
chr8	TCONS_00096699	XLOC_083413	4444123	4444355	-	1	NA	CUFF.1552	NA	u	TSS8856	3.51E-47
chr8	TCONS_00096705	XLOC_083451	4690320	4690523	-	1	NA	CUFF.1555	NA	u	TSS8860	6.174E-32
chr8	TCONS_00093787	XLOC_083453	4691485	4692264	-	1	NCRNA_2645	CUFF.1215	NCRNA_264:x	TSS8861	0	
chr8	TCONS_00096706	XLOC_083454	4692350	4692573	-	1	NA	CUFF.1555	NA	u	TSS8861	0.0001868
chr8	TCONS_00093810	XLOC_083477	4949999	4950374	-	1	OS08G0184300	CUFF.1216	OS08T01843(i	TSS8863	3.091E-19	
chr8	TCONS_00096709	XLOC_083486	5028415	5028869	-	1	OS08G0185701	CUFF.1557	OS08T01857(i	TSS8864	1.383E-09	
chr8	TCONS_00096710	XLOC_083487	5029007	5029653	-	1	OS08G0185701	CUFF.1557	OS08T01857(x	TSS8864	3.802E-12	
chr8	TCONS_00093818	XLOC_083488	5031744	5032186	-	1	NA	CUFF.1216	NA	u	TSS8864	3.935E-46
chr8	TCONS_00093904	XLOC_083568	5681592	5681834	-	1	OS08G0198300	CUFF.1219	OS08T01983(i	TSS8873	2.306E-10	
chr8	TCONS_00096717	XLOC_083572	5731637	5731839	-	1	NA	CUFF.1561	NA	u	TSS8873	6.268E-22
chr8	TCONS_00093926	XLOC_083592	5900535	5900749	-	1	NA	CUFF.1220	NA	u	TSS8875	1.484E-54

chr8	TCONS_00093936	XLOC_083603	5999864	6000077	-	1	OS08G0203300	CUFF.1220 OS08T02033(x	TSS8876	4.864E-54	
chr8	TCONS_00093965	XLOC_083630	6232557	6232928	-	1	NA	CUFF.1222 NA	u	TSS8879	2.074E-19
chr8	TCONS_00096724	XLOC_083630	6231512	6232583	-	1	NA	CUFF.1563 NA	u	TSS8879	0
chr8	TCONS_00096726	XLOC_083631	6233296	6233503	-	1	NA	CUFF.1563 NA	u	TSS8880	1.033E-24
chr8	TCONS_00096735	XLOC_083728	7510605	7510810	-	1	NA	CUFF.1566 NA	u	TSS8890	1.217E-41
chr8	TCONS_00096739	XLOC_083816	8267650	8267852	-	1	NA	CUFF.1568 NA	u	TSS8899	6.268E-22
chr8	TCONS_00096746	XLOC_083845	8582718	8582919	-	1	OS08G0241400	CUFF.1570 OS08T02414(x	TSS8902	1.387E-18	
chr8	TCONS_00094183	XLOC_083858	8706751	8706959	-	1	OS08G0243100	CUFF.1226 OS08T02431(i	TSS8903	1.417E-83	
chr8	TCONS_00096747	XLOC_083859	8707235	8707556	-	1	OS08G0243100	CUFF.1570 OS08T02431(i	TSS8903	7.218E-70	
chr8	TCONS_00096749	XLOC_083888	8966747	8967222	-	1	OS08G0246700	CUFF.1571 OS08T02467(x	TSS8906	6.57E-17	
chr8	TCONS_00096750	XLOC_083889	8967276	8967467	-	1	NA	CUFF.1571 NA	u	TSS8906	5.669E-07
chr8	TCONS_00094215	XLOC_083890	8968125	8968903	-	1	NA	CUFF.1227 NA	u	TSS8907	4.024E-14
chr8	TCONS_00096752	XLOC_083890	8968645	8969013	-	1	NA	CUFF.1571 NA	u	TSS8907	9.335E-24
chr8	TCONS_00094228	XLOC_083903	9099085	9099414	-	1	OS08G0249000	CUFF.1227 OS08T02490(x	TSS8908	3.646E-75	
chr8	TCONS_00096756	XLOC_083940	9383041	9383250	-	1	NA	CUFF.1572 NA	u	TSS8912	3.674E-78
chr8	TCONS_00094349	XLOC_084024	10265144	10265389	-	1	NA	CUFF.1229 NA	u	TSS8920	1.594E-22
chr8	TCONS_00094370	XLOC_084044	10457603	10457805	-	1	NA	CUFF.1230 NA	u	TSS8922	0
chr8	TCONS_00096763	XLOC_084059	10592891	10593123	-	1	OS08G0275200	CUFF.1575 OS08T02752(x	TSS8924	1.72E-32	
chr8	TCONS_00094398	XLOC_084076	10763439	10763676	-	1	NA	CUFF.1231 NA	u	TSS8925	1.979E-29
chr8	TCONS_00096764	XLOC_084117	11271386	11271588	-	1	NA	CUFF.1577 NA	u	TSS8930	3.311E-37
chr8	TCONS_00096765	XLOC_084138	11489862	11490339	-	1	OS08G0289000	CUFF.1577 OS08T02890(i	TSS8932	6.174E-32	
chr8	TCONS_00096769	XLOC_084209	12269447	12269650	-	1	MGD2	CUFF.1579 OS08T02994(x	TSS8939	2.859E-30	
chr8	TCONS_00094537	XLOC_084213	12314750	12315061	-	1	OS08G0300100	CUFF.1235 OS08T03001(x	TSS8939	1.524E-18	
chr8	TCONS_00096771	XLOC_084249	12797819	12798124	-	1	NCRNA_1524	CUFF.1580 NCRNA_152.x	TSS8943	2.869E-25	
chr8	TCONS_00094576	XLOC_084251	12843220	12843690	-	1	NA	CUFF.1236 NA	u	TSS8943	0
chr8	TCONS_00096772	XLOC_084252	12843770	12844808	-	1	NA	CUFF.1580 NA	u	TSS8943	0.0002136
chr8	TCONS_00096773	XLOC_084256	12881846	12882481	-	1	OS08G0307601	CUFF.1581 OS08T03076(i	TSS8944	9.337E-33	
chr8	TCONS_00094612	XLOC_084286	13476261	13476484	-	1	OS08G0314800	CUFF.1238 OS08T03148(x	TSS8947	6.037E-51	
chr8	TCONS_00096776	XLOC_084287	13476515	13476717	-	1	OS08G0314800	CUFF.1583 OS08T03148(x	TSS8947	3.311E-37	
chr8	TCONS_00096777	XLOC_084288	13482867	13483696	-	1	NA	CUFF.1582 NA	u	TSS8947	2.577E-56
chr8	TCONS_00096778	XLOC_084289	13487068	13487390	-	1	NA	CUFF.1582 NA	u	TSS8947	2.863E-13
chr8	TCONS_00096781	XLOC_084327	14058324	14058525	-	1	OS08G0322500	CUFF.1584 OS08T03225(x	TSS8951	1.387E-18	
chr8	TCONS_00094675	XLOC_084350	14336062	14336291	-	1	OS08G0326300	CUFF.1239 OS08T03263(i	TSS8954	2.741E-25	
chr8	TCONS_00096787	XLOC_084384	14752625	14753212	-	1	NA	CUFF.1587 NA	u	TSS8957	0.0092405
chr8	TCONS_00096788	XLOC_084385	14753583	14754487	-	1	NA	CUFF.1586 NA	u	TSS8958	1.876E-47

chr8	TCONS_00094717	XLOC_084386	14755240	14755961	-	1	NA	CUFF.1241	NA	u	TSS8958	0.41415
chr8	TCONS_00094737	XLOC_084408	15098725	15098931	-	1	NA	CUFF.1242	NA	u	TSS8960	4.529E-55
chr8	TCONS_00096795	XLOC_084431	15274658	15274996	-	1	OS08G0339200	CUFF.1589	OS08T03392(i		TSS8963	4.257E-36
chr8	TCONS_00094773	XLOC_084444	15494788	15495027	-	1	OS08G0343300	CUFF.1243	OS08T03433(i		TSS8964	1.441E-28
chr8	TCONS_00096799	XLOC_084454	15641096	15641303	-	1	OS08G0345400	CUFF.1589	OS08T03454(x		TSS8965	1.063E-19
chr8	TCONS_00096800	XLOC_084462	15701833	15702118	-	1	OS08G0346400	CUFF.1590	OS08T03464(i		TSS8966	7.187E-39
chr8	TCONS_00094987	XLOC_084652	17845404	17845746	-	1	NA	CUFF.1246	NA	u	TSS8986	1.839E-35
chr8	TCONS_00096809	XLOC_084652	17845139	17845426	-	1	NA	CUFF.1594	NA	u	TSS8986	1.051E-25
chr8	TCONS_00096813	XLOC_084689	18192380	18192606	-	1	OS08G0385900	CUFF.1596	OS08T03859(x		TSS8990	0.32489
chr8	TCONS_00095032	XLOC_084699	18264471	18264718	-	1	NA	CUFF.1248	NA	u	TSS8991	1.737E-09
chr8	TCONS_00096816	XLOC_084712	18349793	18350069	-	1	OS08G0388300	CUFF.1597	OS08T03883(i		TSS8992	7.056E-24
chr8	TCONS_00096817	XLOC_084713	18351721	18351976	-	1	OS08G0388300	CUFF.1597	OS08T03883(i		TSS8992	1.027E-29
chr8	TCONS_00095055	XLOC_084722	18454874	18455287	-	1	OS08G0389700	CUFF.1251	OS08T03897(i		TSS8993	4.891E-49
chr8	TCONS_00096821	XLOC_084771	19012466	19012737	-	1	OS08G0398400	CUFF.1600	OS08T03984(i		TSS8999	1.947E-29
chr8	TCONS_00096822	XLOC_084772	19014835	19015097	-	1	OS08G0398400	CUFF.1600	OS08T03984(i		TSS8999	1.091E-44
chr8	TCONS_00096823	XLOC_084780	19124983	19125362	-	1	OS08G0400800	CUFF.1600	OS08T04008(x		TSS9000	3.907E-44
chr8	TCONS_00095129	XLOC_084794	19207727	19208008	-	1	OS08G0402500	CUFF.1252	OS08T04025(x		TSS9001	3.68E-56
chr8	TCONS_00096831	XLOC_084847	19581440	19581809	-	1	TPP6	CUFF.1602	OS08T04091(i		TSS9006	2.529E-33
chr8	TCONS_00096833	XLOC_084866	19730912	19731164	-	1	OS08G0412401	CUFF.1604	OS08T04124(i		TSS9008	1.713E-27
chr8	TCONS_00095215	XLOC_084881	19805703	19805922	-	1	OS08G0414300	CUFF.1255	OS08T04143(i		TSS9010	1.736E-41
chr8	TCONS_00096836	XLOC_084902	20089790	20090095	-	1	NA	CUFF.1604	NA	u	TSS9012	2.216E-26
chr8	TCONS_00096839	XLOC_084913	20207718	20208165	-	1	OS08G0421900	CUFF.1605	OS08T04219(x		TSS9014	1.643E-15
chr8	TCONS_00096844	XLOC_084957	20601450	20601685	-	1	OS08G0428200	CUFF.1607	OS08T04282(x		TSS9019	6.604E-06
chr8	TCONS_00096845	XLOC_084977	20790770	20791098	-	1	OS08G0430100	CUFF.1608	OS08T04301(i		TSS9021	3.453E-17
chr8	TCONS_00096846	XLOC_084991	20848829	20849116	-	1	OS08G0431100	CUFF.1610	OS08T04311(i		TSS9022	6.523E-60
chr8	TCONS_00096847	XLOC_084992	20850515	20850826	-	1	OS08G0431100	CUFF.1610	OS08T04311(i		TSS9023	2.859E-30
chr8	TCONS_00095338	XLOC_084995	20876709	20876919	-	1	NA	CUFF.1257	NA	u	TSS9023	0
chr8	TCONS_00096849	XLOC_084999	20895416	20895694	-	1	OS08G0431800	CUFF.1610	OS08T04318(i		TSS9023	5.592E-20
chr8	TCONS_00096851	XLOC_085050	21338381	21338774	-	1	OS08G0439100	CUFF.1611	OS08T04391(i		TSS9029	2.638E-18
chr8	TCONS_00095397	XLOC_085051	21341560	21341895	-	1	OS08G0439100	CUFF.1260	OS08T04391(i		TSS9029	8.039E-75
chr8	TCONS_00096853	XLOC_085054	21359610	21359974	-	1	OS08G0439200	CUFF.1611	OS08T04392(x		TSS9029	3.405E-06
chr8	TCONS_00095417	XLOC_085069	21527527	21527745	-	1	NA	CUFF.1260	NA	u	TSS9031	2.137E-60
chr8	TCONS_00095436	XLOC_085088	21727843	21728052	-	1	NA	CUFF.1260	NA	u	TSS9032	0
chr8	TCONS_00095454	XLOC_085106	21885255	21885507	-	1	OS08G0448100	CUFF.1261	OS08T04481(x		TSS9034	0
chr8	TCONS_00096855	XLOC_085107	21885890	21886295	-	1	NA	CUFF.1612	NA	u	TSS9034	2.869E-25

chr8	TCONS_00095455	XLOC_085108	21886764	21887060	-	1	NA	CUFF.1261	NA	u	TSS9034	0.46406
chr8	TCONS_00096856	XLOC_085108	21886701	21886965	-	1	NA	CUFF.1612	NA	u	TSS9034	1.387E-18
chr8	TCONS_00095456	XLOC_085109	21887614	21887878	-	1	NA	CUFF.1261	NA	u	TSS9035	0
chr8	TCONS_00095457	XLOC_085110	21901913	21902130	-	1	NA	CUFF.1261	NA	u	TSS9035	7.713E-07
chr8	TCONS_00095468	XLOC_085120	22010272	22010473	-	1	OS08G0450800	CUFF.1262	OS08T04508(i		TSS9036	2.588E-21
chr8	TCONS_00095481	XLOC_085132	22063328	22063689	-	1	OS08G0451500	CUFF.1263	OS08T04515(i		TSS9037	3.105E-40
chr8	TCONS_00096861	XLOC_085132	22063443	22063756	-	1	OS08G0451500	CUFF.1615	OS08T04515(i		TSS9037	6.524E-05
chr8	TCONS_00096863	XLOC_085141	22190629	22190830	-	1	OS08G0453200	CUFF.1615	OS08T04532(i		TSS9038	1.616E-25
chr8	TCONS_00095506	XLOC_085156	22323542	22324201	-	1	NA	CUFF.1264	NA	u	TSS9040	1.749E-10
chr8	TCONS_00096866	XLOC_085163	22354644	22354888	-	1	NA	CUFF.1616	NA	u	TSS9040	9.382E-30
chr8	TCONS_00096873	XLOC_085269	23273923	23274244	-	1	OS08G0472600	CUFF.1620	OS08T04726(i		TSS9051	2.514E-28
chr8	TCONS_00095619	XLOC_085270	23277335	23277540	-	1	OS08G0472600	CUFF.1266	OS08T04726(x		TSS9051	0
chr8	TCONS_00095628	XLOC_085279	23394358	23394700	-	1	OS08G0474700	CUFF.1267	OS08T04747(i		TSS9052	1.029E-10
chr8	TCONS_00096875	XLOC_085285	23417675	23418251	-	1	NA	CUFF.1619	NA	u	TSS9053	0.3772
chr8	TCONS_00096878	XLOC_085315	23713432	23714362	-	1	OS08G0480000	CUFF.1623	OS08T04800(x		TSS9056	5.961E-15
chr8	TCONS_00096879	XLOC_085316	23714574	23715138	-	1	OS08G0480000	CUFF.1623	OS08T04800(x		TSS9056	4.358E-41
chr8	TCONS_00096883	XLOC_085346	23992436	23992704	-	1	OS08G0485400	CUFF.1624	OS08T04854(i		TSS9059	1.859E-10
chr8	TCONS_00096888	XLOC_085358	24036904	24037218	-	1	OS08G0486100	CUFF.1623	OS08T04861(x		TSS9060	2.925E-42
chr8	TCONS_00096891	XLOC_085398	24326800	24327173	-	1	OS08G0492400	CUFF.1624	OS08T04924(i		TSS9064	3.102E-07
chr8	TCONS_00096900	XLOC_085424	24563503	24563704	-	1	OS08G0497300	CUFF.1626	OS08T04973(x		TSS9067	3.258E-32
chr8	TCONS_00096901	XLOC_085425	24576813	24577037	-	1	OS08G0497600	CUFF.1626	OS08T04976(i		TSS9067	2.113E-62
chr8	TCONS_00096903	XLOC_085439	24669561	24669761	-	1	OS08G0499700	CUFF.1626	OS08T04997(i		TSS9069	3.301E-22
chr8	TCONS_00096904	XLOC_085441	24685888	24686432	-	1	OS08G0500100	CUFF.1626	OS08T05001(i		TSS9069	1.815E-17
chr8	TCONS_00096906	XLOC_085471	24867139	24867491	-	1	OS08G0503200	CUFF.1629	OS08T05032(x		TSS9072	2.469E-51
chr8	TCONS_00095829	XLOC_085486	24956358	24956670	-	1	NA	CUFF.1272	NA	u	TSS9074	4.11E-79
chr8	TCONS_00095830	XLOC_085487	24957158	24957364	-	1	NA	CUFF.1272	NA	u	TSS9074	0
chr8	TCONS_00096911	XLOC_085505	25126073	25126355	-	1	NA	CUFF.1628	NA	u	TSS9076	7.972E-26
chr8	TCONS_00095856	XLOC_085514	25244109	25244457	-	1	CM-LOX2	CUFF.1276	OS08T05091(i		TSS9077	7.659E-27
chr8	TCONS_00096919	XLOC_085548	25464135	25464662	-	1	NA	CUFF.1630	NA	u	TSS9081	4.293E-21
chr8	TCONS_00095892	XLOC_085552	25466746	25466974	-	1	NA	CUFF.1274	NA	u	TSS9081	8.77E-09
chr8	TCONS_00095894	XLOC_085553	25467495	25467837	-	1	OS08G0513600	CUFF.1631	OS08T05136(x		TSS9081	0.61243
chr8	TCONS_00095895	XLOC_085554	25468674	25468892	-	1	NA	CUFF.1274	NA	u	TSS9081	2.395E-42
chr8	TCONS_00095954	XLOC_085607	25832462	25832958	-	1	OS08G0519700	CUFF.1634	OS08T05197(i		TSS9087	2.404E-11
chr8	TCONS_00096937	XLOC_085609	25842151	25842362	-	1	OS08G0519800	CUFF.1633	OS08T05198(i		TSS9087	3.311E-37
chr8	TCONS_00095971	XLOC_085626	25940758	25940964	-	1	OS08G0521400	CUFF.1277	OS08T05214(i		TSS9089	1.114E-75

chr8	TCONS_00096939	XLOC_085627	25941397	25941599	-	1	OS08G0521400	CUFF.1635 OS08T05214(i	TSS9089	7.656E-49
chr8	TCONS_00096940	XLOC_085633	25982058	25982262	-	1	OS08G0522600	CUFF.1634 OS08T05226(i	TSS9090	5.476E-35
chr8	TCONS_00095984	XLOC_085642	26025993	26026249	-	1	OS08G0523600	CUFF.1277 OS08T05236(x	TSS9091	2.325E-27
chr8	TCONS_00095994	XLOC_085653	26091769	26091971	-	1	OS08G0524501	CUFF.1278 OS08T05245(i	TSS9092	0
chr8	TCONS_00096944	XLOC_085665	26178200	26178543	-	1	OS08G0526300	CUFF.1636 OS08T05263(i	TSS9093	1.739E-22
chr8	TCONS_00096009	XLOC_085666	26182984	26183299	-	1	OS08G0526300	CUFF.1279 OS08T05263(i	TSS9094	6.816E-66
chr8	TCONS_00096945	XLOC_085666	26182862	26183103	-	1	OS08G0526300	CUFF.1636 OS08T05263(i	TSS9093	6.641E-47
chr8	TCONS_00096031	XLOC_085688	26327323	26327523	-	1	OS08G0528900	CUFF.1279 OS08T05289(i	TSS9096	0
chr8	TCONS_00096050	XLOC_085706	26506412	26506615	-	1	NA	CUFF.1279 NA u	TSS9098	1.54E-48
chr8	TCONS_00096949	XLOC_085739	26754208	26754507	-	1	OS08G0535700	CUFF.1638 OS08T05357(x	TSS9101	0.024257
chr8	TCONS_00096950	XLOC_085742	26768209	26768423	-	1	OS08G0535800	CUFF.1639 OS08T05358(i	TSS9101	3.839E-19
chr8	TCONS_00096952	XLOC_085746	26788788	26789192	-	1	OS08G0536100	CUFF.1639 OS08T05361(x	TSS9102	0
chr8	TCONS_00096954	XLOC_085766	26910029	26910264	-	1	OS08G0538300	CUFF.1640 OS08T05383(i	TSS9104	7.959E-31
chr8	TCONS_00096126	XLOC_085780	27047950	27048313	-	1	OS08G0540300	CUFF.1282 OS08T05403(i	TSS9105	5.585E-13
chr8	TCONS_00096956	XLOC_085793	27133857	27134174	-	1	NA	CUFF.1640 NA u	TSS9106	1.713E-27
chr8	TCONS_00096181	XLOC_085834	27401342	27401549	-	1	NA	CUFF.1283 NA u	TSS9111	3.528E-87
chr8	TCONS_00096194	XLOC_085846	27501324	27501542	-	1	NA	CUFF.1283 NA u	TSS9112	3.781E-52
chr8	TCONS_00096967	XLOC_085910	27941892	27942093	-	1	OS08G0558300	CUFF.1646 OS08T05583(x	TSS9119	1.562E-40
chr8	TCONS_00096314	XLOC_085959	28302692	28302893	-	1	OS08G0564800	CUFF.1288 OS08T05648(i	TSS9124	0
chr9	TCONS_00097040	XLOC_086048	678155	678363	+	1	NA	CUFF.1288 NA u	TSS9133	0
chr9	TCONS_00097041	XLOC_086051	709414	709846	+	1	NA	CUFF.1288 NA u	TSS9134	7.436E-14
chr9	TCONS_00102280	XLOC_086055	722286	722686	+	1	NA	CUFF.1653 NA u	TSS9134	2.36E-34
chr9	TCONS_00102281	XLOC_086056	723422	723627	+	1	NA	CUFF.1652 NA u	TSS9134	5.443E-25
chr9	TCONS_00102284	XLOC_086059	725723	726204	+	1	NA	CUFF.1653 NA u	TSS9135	8.198E-17
chr9	TCONS_00097055	XLOC_086067	858880	859096	+	1	OS09G0109500	CUFF.1289 OS09T01095(i	TSS9136	0
chr9	TCONS_00102285	XLOC_086080	997687	997933	+	1	OS09G0112100	CUFF.1654 OS09T01121(x	TSS9137	2.647E-43
chr9	TCONS_00097100	XLOC_086106	1239764	1240002	+	1	NA	CUFF.1290 NA u	TSS9140	6.15E-12
chr9	TCONS_00097124	XLOC_086131	1614131	1614334	+	1	OS09G0120800	CUFF.1291 OS09T01208(i	TSS9143	4.28E-67
chr9	TCONS_00102296	XLOC_086153	1887826	1888062	+	1	NA	CUFF.1656 NA u	TSS9145	5.772E-84
chr9	TCONS_00102302	XLOC_086196	2403235	2403734	+	1	OS09G0131400	CUFF.1659 OS09T01314(x	TSS9150	4.62E-12
chr9	TCONS_00097218	XLOC_086226	2912135	2912375	+	1	NA	CUFF.1294 NA u	TSS9153	8.942E-30
chr9	TCONS_00097228	XLOC_086236	3057084	3057324	+	1	OS09G0240200	CUFF.1294 OS09T02402(i	TSS9154	0
chr9	TCONS_00097229	XLOC_086237	3061539	3061746	+	1	OS09G0240200	CUFF.1295 OS09T02402(i	TSS9154	0
chr9	TCONS_00102305	XLOC_086254	3196005	3196281	+	1	NA	CUFF.1660 NA u	TSS9156	1.856E-14
chr9	TCONS_00097280	XLOC_086291	3592051	3592870	+	1	NCRNA_10050	CUFF.1295 NCRNA_100:x	TSS9159	3.07E-53

chr9	TCONS_00097283	XLOC_086292	3595061	3595485	+	1	NA	CUFF.1295 NA	u	TSS9160	4.087E-16
chr9	TCONS_00102314	XLOC_086295	3598473	3598995	+	1	NA	CUFF.1663 NA	u	TSS9160	1.091E-83
chr9	TCONS_00097292	XLOC_086299	3604062	3604303	+	1	NA	CUFF.1296 NA	u	TSS9161	7.436E-14
chr9	TCONS_00102317	XLOC_086299	3604251	3604725	+	1	NA	CUFF.1662 NA	u	TSS9161	3.222E-30
chr9	TCONS_00097294	XLOC_086300	3604756	3605498	+	1	NA	CUFF.1296 NA	u	TSS9161	0
chr9	TCONS_00097420	XLOC_086422	4706161	4708267	+	1	OS09G0263474	CUFF.1302 OS09T0263474	x	TSS9174	2.633E-07
chr9	TCONS_00102330	XLOC_086423	4708328	4708636	+	1	NA	CUFF.1668 NA	u	TSS9174	1.549E-20
chr9	TCONS_00102341	XLOC_086539	6097936	6098319	+	1	NA	CUFF.1672 NA	u	TSS9186	1.307E-09
chr9	TCONS_00097701	XLOC_086701	7928034	7928274	+	1	OS09G0306800	CUFF.1309 OS09T0306800	x	TSS9203	7.189E-23
chr9	TCONS_00097735	XLOC_086736	8347173	8347480	+	1	NA	CUFF.1309 NA	u	TSS9207	0
chr9	TCONS_00102352	XLOC_086736	8347238	8347684	+	1	NA	CUFF.1679 NA	u	TSS9207	2.04E-06
chr9	TCONS_00102355	XLOC_086759	8654819	8655471	+	1	NA	CUFF.1682 NA	u	TSS9209	3.796E-39
chr9	TCONS_00102360	XLOC_086802	9319497	9319699	+	1	NA	CUFF.1681 NA	u	TSS9213	1.339E-23
chr9	TCONS_00097829	XLOC_086830	9515195	9515438	+	1	OS09G0325000	CUFF.1311 OS09T0325000	i	TSS9216	1.524E-18
chr9	TCONS_00102362	XLOC_086850	9664451	9664691	+	1	OS09G0327550	CUFF.1683 OS09T0327550	x	TSS9219	1.959E-24
chr9	TCONS_00102363	XLOC_086852	9671036	9671308	+	1	NA	CUFF.1683 NA	u	TSS9219	1.508E-30
chr9	TCONS_00097855	XLOC_086853	9671712	9672164	+	1	NA	CUFF.1312 NA	u	TSS9219	4.174E-37
chr9	TCONS_00097946	XLOC_086938	10545714	10545949	+	1	OS09G0342000	CUFF.1313 OS09T0342000	x	TSS9228	7.473E-35
chr9	TCONS_00102368	XLOC_086955	10772071	10772357	+	1	OS09G0345000	CUFF.1686 OS09T0345000	i	TSS9230	1.991E-12
chr9	TCONS_00102374	XLOC_087072	12032506	12032735	+	1	OS09G0365900	CUFF.1690 OS09T0365900	x	TSS9242	2.139E-49
chr9	TCONS_00102375	XLOC_087074	12033295	12033548	+	1	OS09G0365900	CUFF.1691 OS09T0365900	x	TSS9242	4.685E-77
chr9	TCONS_00102376	XLOC_087075	12033624	12033918	+	1	OS09G0365900	CUFF.1691 OS09T0365900	x	TSS9242	2.863E-13
chr9	TCONS_00098159	XLOC_087143	12643858	12644232	+	1	NA	CUFF.1319 NA	u	TSS9249	7.713E-07
chr9	TCONS_00102384	XLOC_087144	12644243	12646082	+	1	OS09G0376800	CUFF.1694 OS09T0376800	x	TSS9249	3.027E-63
chr9	TCONS_00102385	XLOC_087145	12648632	12649425	+	1	OS09G0376800	CUFF.1694 OS09T0376800	i	TSS9249	1.61E-45
chr9	TCONS_00102388	XLOC_087156	12782105	12782455	+	1	OS09G0379600	CUFF.1692 OS09T0379600	x	TSS9250	3.718E-24
chr9	TCONS_00098210	XLOC_087197	13135560	13135936	+	1	NA	CUFF.1320 NA	u	TSS9255	3.243E-23
chr9	TCONS_00102394	XLOC_087198	13135940	13136150	+	1	NA	CUFF.1693 NA	u	TSS9255	6.569E-08
chr9	TCONS_00098211	XLOC_087199	13136289	13136571	+	1	NA	CUFF.1320 NA	u	TSS9255	0.66514
chr9	TCONS_00102396	XLOC_087200	13137938	13138457	+	1	NA	CUFF.1694 NA	u	TSS9255	5.401E-32
chr9	TCONS_00102399	XLOC_087212	13190306	13190662	+	1	NA	CUFF.1694 NA	u	TSS9256	4.127E-14
chr9	TCONS_00102400	XLOC_087230	13506225	13506449	+	1	NA	CUFF.1694 NA	u	TSS9258	1.187E-36
chr9	TCONS_00098246	XLOC_087239	13566453	13566685	+	1	NA	CUFF.1321 NA	u	TSS9259	1.463E-23
chr9	TCONS_00098312	XLOC_087304	14114987	14115196	+	1	NA	CUFF.1323 NA	u	TSS9266	4.093E-62
chr9	TCONS_00102406	XLOC_087306	14116900	14117230	+	1	NA	CUFF.1698 NA	u	TSS9266	5.145E-74

chr9	TCONS_00098338	XLOC_087328	14455368	14455594	+	1	OS09G0408600	CUFF.1324 OS09T04086(i	TSS9268	3.451E-32
chr9	TCONS_00102412	XLOC_087362	14691463	14691710	+	1	OS09G0413500	CUFF.1701 OS09T04135(x	TSS9272	7.959E-31
chr9	TCONS_00102413	XLOC_087382	14952189	14952399	+	1	NA	CUFF.1702 NA u	TSS9274	8.061E-36
chr9	TCONS_00102414	XLOC_087387	14994460	14994691	+	1	OS09G0417800	CUFF.1702 OS09T04178(x	TSS9274	7.056E-24
chr9	TCONS_00098421	XLOC_087407	15206841	15207047	+	1	OS09G0421100	CUFF.1327 OS09T04211(x	TSS9277	0
chr9	TCONS_00102417	XLOC_087411	15253190	15255596	+	1	OS09G0422000	CUFF.1704 OS09T04220(x	TSS9277	1.15E-13
chr9	TCONS_00098440	XLOC_087422	15354392	15354595	+	1	MGD1	CUFF.1327 OS09T04236(i	TSS9279	3.275E-54
chr9	TCONS_00102419	XLOC_087429	15388553	15388973	+	1	OS09G0424300	CUFF.1704 OS09T04243(x	TSS9279	5.016E-18
chr9	TCONS_00102420	XLOC_087435	15420733	15421086	+	1	OS09G0425200	CUFF.1704 OS09T04252(x	TSS9280	3.802E-12
chr9	TCONS_00102422	XLOC_087493	15869044	15869260	+	1	NA	CUFF.1706 NA u	TSS9286	1.549E-20
chr9	TCONS_00098570	XLOC_087546	16336486	16336686	+	1	OS09G0440300	CUFF.1332 OS09T04403(x	TSS9292	0
chr9	TCONS_00102427	XLOC_087549	16354811	16355119	+	1	NA	CUFF.1708 NA u	TSS9292	0.0077427
chr9	TCONS_00102428	XLOC_087564	16423257	16423730	+	1	OS09G0442100	CUFF.1709 OS09T04421(i	TSS9294	2.897E-27
chr9	TCONS_00102432	XLOC_087616	16879118	16879326	+	1	NA	CUFF.1710 NA u	TSS9299	2.02E-70
chr9	TCONS_00098669	XLOC_087642	17002789	17003057	+	1	OS09G0453400	CUFF.1333 OS09T04534(x	TSS9302	0
chr9	TCONS_00098731	XLOC_087702	17435724	17436118	+	1	NA	CUFF.1335 NA u	TSS9308	1.479E-52
chr9	TCONS_00102439	XLOC_087727	17647965	17648218	+	1	OS09G0465500	CUFF.1713 OS09T04655(i	TSS9311	9.228E-41
chr9	TCONS_00102445	XLOC_087781	18101285	18101492	+	1	NA	CUFF.1715 NA u	TSS9317	4.877E-38
chr9	TCONS_00102446	XLOC_087782	18103419	18103620	+	1	NA	CUFF.1715 NA u	TSS9317	6.57E-17
chr9	TCONS_00102447	XLOC_087783	18105754	18105911	+	1	NA	CUFF.1716 NA u	TSS9317	5.443E-25
chr9	TCONS_00102448	XLOC_087784	18106122	18106336	+	1	NA	CUFF.1715 NA u	TSS9317	1.692E-24
chr9	TCONS_00098840	XLOC_087805	18307491	18307691	+	1	OS09G0477900	CUFF.1338 OS09T04779(i	TSS9319	0.04715
chr9	TCONS_00102451	XLOC_087805	18307557	18307759	+	1	NCRNA_4408	CUFF.1718 NCRNA_440(x	TSS9319	2.943E-20
chr9	TCONS_00102452	XLOC_087806	18312752	18313360	+	1	CSLE1	CUFF.1718 OS09T04781(x	TSS9319	1.17E-31
chr9	TCONS_00102457	XLOC_087891	18880219	18880424	+	1	NA	CUFF.1719 NA u	TSS9328	5.443E-25
chr9	TCONS_00098933	XLOC_087897	18940126	18940359	+	1	NA	CUFF.1340 NA u	TSS9329	2.98E-24
chr9	TCONS_00098951	XLOC_087916	19120570	19120841	+	1	OS09G0493600	CUFF.1341 OS09T04936(x	TSS9331	0.075834
chr9	TCONS_00102461	XLOC_087917	19129020	19129330	+	1	OS09G0493800	CUFF.1720 OS09T04938(i	TSS9331	6.161E-27
chr9	TCONS_00102468	XLOC_087953	19414164	19414399	+	1	OS09G0501700	CUFF.1721 OS09T05017(x	TSS9335	1.929E-52
chr9	TCONS_00102469	XLOC_087954	19418774	19419064	+	1	OS09G0502000	CUFF.1722 OS09T05020(x	TSS9335	8.061E-36
chr9	TCONS_00098987	XLOC_087956	19420096	19420381	+	1	OS09G0502000	CUFF.1722 OS09T05020(x	TSS9335	0
chr9	TCONS_00102471	XLOC_087970	19504497	19504955	+	1	OS09G0504700	CUFF.1722 OS09T05047(i	TSS9336	0.0003574
chr9	TCONS_00099053	XLOC_088011	19778374	19778582	+	1	OS09G0509500	CUFF.1344 OS09T05095(x	TSS9341	2.413E-81
chr9	TCONS_00099184	XLOC_088140	20538577	20538800	+	1	OS09G0525600	CUFF.1346 OS09T05256(x	TSS9355	1.007E-43
chr9	TCONS_00102486	XLOC_088145	20579143	20579343	+	1	NA	CUFF.1728 NA u	TSS9355	1.387E-18

chr9	TCONS_00099206	XLOC_088161	20746192	20746412	+	1	OS09G0529700	CUFF.1347 OS09T05297(x	TSS9357	1.578E-37
chr9	TCONS_00099228	XLOC_088181	20887821	20888044	+	1	PRR95	CUFF.1348 OS09T05324(i	TSS9359	2.147E-33
chr9	TCONS_00099239	XLOC_088190	20949156	20949667	+	1	NA	CUFF.1349 NA u	TSS9360	0.029675
chr9	TCONS_00102489	XLOC_088190	20948372	20949214	+	1	NA	CUFF.1733 NA u	TSS9360	1.027E-29
chr9	TCONS_00102490	XLOC_088190	20949477	20949891	+	1	NA	CUFF.1731 NA u	TSS9360	3.839E-19
chr9	TCONS_00102491	XLOC_088191	20950224	20950528	+	1	NA	CUFF.1731 NA u	TSS9360	1.996E-06
chr9	TCONS_00102493	XLOC_088193	20951257	20951519	+	1	NA	CUFF.1731 NA u	TSS9361	2.216E-26
chr9	TCONS_00102496	XLOC_088196	20952516	20952831	+	1	NA	CUFF.1731 NA u	TSS9361	6.604E-06
chr9	TCONS_00102499	XLOC_088222	21131377	21131577	+	1	NA	CUFF.1732 NA u	TSS9364	8.25E-41
chr9	TCONS_00102500	XLOC_088235	21200797	21201256	+	1	OS09G0538600	CUFF.1733 OS09T05386(i	TSS9365	2.243E-26
chr9	TCONS_00099285	XLOC_088240	21220408	21220614	+	1	OS09G0538800	CUFF.1351 OS09T05388(i	TSS9366	0.0001658
chr9	TCONS_00102508	XLOC_088263	21332098	21332301	+	1	OS09G0541500	CUFF.1734 OS09T05415(i	TSS9368	6.161E-27
chr9	TCONS_00099307	XLOC_088265	21343403	21343613	+	1	OS09G0542000	CUFF.1351 OS09T05420(x	TSS9368	7.057E-33
chr9	TCONS_00099308	XLOC_088266	21350070	21350276	+	1	OS09G0542100	CUFF.1351 OS09T05421(i	TSS9369	2.232E-65
chr9	TCONS_00102509	XLOC_088266	21349748	21350225	+	1	OS09G0542100	CUFF.1734 OS09T05421(x	TSS9368	2.514E-28
chr9	TCONS_00099375	XLOC_088331	21774931	21775149	+	1	OS09G0550500	CUFF.1353 OS09T05505(i	TSS9376	2.081E-66
chr9	TCONS_00102523	XLOC_088417	22352973	22353393	+	1	OS09G0562700	CUFF.1740 OS09T05627(x	TSS9385	1.912E-10
chr9	TCONS_00099491	XLOC_088447	22571755	22571998	+	1	OS09G0566100	CUFF.1358 OS09T05661(i	TSS9388	1.159E-09
chr9	TCONS_00102526	XLOC_088449	22579536	22580065	+	1	NA	CUFF.1742 NA u	TSS9388	1.517E-26
chr9	TCONS_00102528	XLOC_088451	22584091	22584476	+	1	NA	CUFF.1742 NA u	TSS9388	3.301E-22
chr9	TCONS_00102529	XLOC_088452	22584676	22584956	+	1	NA	CUFF.1742 NA u	TSS9388	0.024257
chr9	TCONS_00099496	XLOC_088454	22586676	22586878	+	1	NA	CUFF.1358 NA u	TSS9389	0
chr9	TCONS_00099513	XLOC_088471	22677846	22678065	+	1	URH2	CUFF.1359 OS09T05679(x	TSS9390	4.235E-45
chr9	TCONS_00102533	XLOC_088483	22733676	22734032	+	1	NA	CUFF.1744 NA u	TSS9392	3.56E-10
chr9	TCONS_00102541	XLOC_088592	1055274	1055817	-	1	OS09G0113000	CUFF.1654 OS09T01130(x	TSS9404	1.381E-07
chr9	TCONS_00099673	XLOC_088616	1302687	1302892	-	1	OS09G0116400	CUFF.1291 OS09T01164(i	TSS9407	2.997E-39
chr9	TCONS_00099702	XLOC_088642	1549352	1549553	-	1	OS09G0120100	CUFF.1291 OS09T01201(x	TSS9409	3.4E-48
chr9	TCONS_00102545	XLOC_088655	1649042	1649307	-	1	OS09G0121050	CUFF.1657 OS09T01210(i	TSS9411	4.203E-26
chr9	TCONS_00099727	XLOC_088672	1807834	1808043	-	1	OS09G0123300	CUFF.1292 OS09T01233(i	TSS9412	5.698E-41
chr9	TCONS_00102561	XLOC_088829	3629751	3630201	-	1	OS09G0248000	CUFF.1664 OS09T02480(i	TSS9429	3.129E-15
chr9	TCONS_00099897	XLOC_088832	3632158	3632361	-	1	OS09G0248000	CUFF.1297 OS09T02480(i	TSS9430	0
chr9	TCONS_00099915	XLOC_088851	3844671	3844933	-	1	NA	CUFF.1297 NA u	TSS9431	1.713E-52
chr9	TCONS_00102565	XLOC_088851	3844848	3845365	-	1	NA	CUFF.1663 NA u	TSS9432	2.216E-31
chr9	TCONS_00102566	XLOC_088852	3845451	3845667	-	1	NA	CUFF.1663 NA u	TSS9432	0.0001868
chr9	TCONS_00102567	XLOC_088853	3846400	3846753	-	1	NA	CUFF.1663 NA u	TSS9432	4.53E-16

chr9	TCONS_00102573	XLOC_088871	4016537	4016794	-	1	NA	CUFF.1663 NA	u	TSS9434	7.297E-19
chr9	TCONS_00099930	XLOC_088873	4017275	4017486	-	1	NA	CUFF.1297 NA	u	TSS9434	1.865E-79
chr9	TCONS_00099932	XLOC_088875	4020062	4020377	-	1	NA	CUFF.1298 NA	u	TSS9434	0
chr9	TCONS_00099933	XLOC_088876	4024143	4025052	-	1	NCRNA_42668	CUFF.1298 NCRNA_42668	x	TSS9434	0.0027227
chr9	TCONS_00102574	XLOC_088876	4024344	4026598	-	1	OS09G0252800	CUFF.1666 OS09T0252800	x	TSS9434	0.010024
chr9	TCONS_00102579	XLOC_088936	4567112	4567540	-	1	NA	CUFF.1667 NA	u	TSS9440	4.254E-21
chr9	TCONS_00100012	XLOC_088950	4693111	4696279	-	1	NCRNA_1528	CUFF.1301 NCRNA_1528	x	TSS9442	2.234E-13
chr9	TCONS_00100015	XLOC_088953	4705628	4705970	-	1	OS09G0263474	CUFF.1302 OS09T0263474	i	TSS9442	5.847E-46
chr9	TCONS_00100017	XLOC_088955	4709265	4709687	-	1	NA	CUFF.1301 NA	u	TSS9442	2.577E-14
chr9	TCONS_00102584	XLOC_088955	4709646	4710409	-	1	NA	CUFF.1669 NA	u	TSS9443	1.621E-11
chr9	TCONS_00102585	XLOC_088956	4711161	4711362	-	1	NA	CUFF.1668 NA	u	TSS9443	6.994E-29
chr9	TCONS_00100019	XLOC_088957	4723809	4724243	-	1	NA	CUFF.1301 NA	u	TSS9443	2.462E-58
chr9	TCONS_00102586	XLOC_088959	4726261	4726601	-	1	NA	CUFF.1669 NA	u	TSS9443	8.25E-41
chr9	TCONS_00102587	XLOC_088960	4726808	4727158	-	1	NA	CUFF.1668 NA	u	TSS9443	2.439E-07
chr9	TCONS_00102590	XLOC_089004	5097222	5097431	-	1	OS09G0267500	CUFF.1670 OS09T0267500	i	TSS9448	2.38E-16
chr9	TCONS_00100081	XLOC_089015	5160576	5160806	-	1	NA	CUFF.1302 NA	u	TSS9449	2.753E-12
chr9	TCONS_00100082	XLOC_089016	5161791	5162340	-	1	NA	CUFF.1303 NA	u	TSS9449	0.20934
chr9	TCONS_00102591	XLOC_089080	5836885	5837236	-	1	OS09G0278900	CUFF.1672 OS09T0278900	i	TSS9456	3.301E-22
chr9	TCONS_00102593	XLOC_089116	6235850	6236085	-	1	OS09G0284200	CUFF.1673 OS09T0284200	i	TSS9460	6.268E-22
chr9	TCONS_00102595	XLOC_089138	6486329	6486610	-	1	NA	CUFF.1674 NA	u	TSS9462	4.203E-26
chr9	TCONS_00102597	XLOC_089140	6487551	6487954	-	1	NA	CUFF.1673 NA	u	TSS9462	4.158E-12
chr9	TCONS_00102598	XLOC_089141	6488505	6488862	-	1	NA	CUFF.1673 NA	u	TSS9462	5.978E-10
chr9	TCONS_00102600	XLOC_089142	6489914	6490116	-	1	NA	CUFF.1673 NA	u	TSS9463	7.187E-39
chr9	TCONS_00102604	XLOC_089148	6499325	6499539	-	1	NA	CUFF.1674 NA	u	TSS9463	2.891E-35
chr9	TCONS_00102605	XLOC_089149	6499770	6499974	-	1	NA	CUFF.1674 NA	u	TSS9463	1.187E-36
chr9	TCONS_00102606	XLOC_089150	6500046	6500336	-	1	NA	CUFF.1674 NA	u	TSS9463	6.57E-17
chr9	TCONS_00102607	XLOC_089151	6500943	6501149	-	1	NA	CUFF.1674 NA	u	TSS9463	1.027E-29
chr9	TCONS_00102608	XLOC_089152	6501849	6502442	-	1	NA	CUFF.1674 NA	u	TSS9464	2.514E-28
chr9	TCONS_00100215	XLOC_089155	6515745	6515989	-	1	NA	CUFF.1305 NA	u	TSS9464	7.523E-18
chr9	TCONS_00100249	XLOC_089187	6948216	6948443	-	1	OS09G0293400	CUFF.1306 OS09T0293400	i	TSS9467	2.953E-34
chr9	TCONS_00102613	XLOC_089211	7199712	7199984	-	1	OS09G0297000	CUFF.1676 OS09T0297000	i	TSS9469	4.812E-09
chr9	TCONS_00102616	XLOC_089226	7317150	7317565	-	1	OS09G0299000	CUFF.1677 OS09T0299000	i	TSS9471	6.821E-10
chr9	TCONS_00102621	XLOC_089297	8195308	8195566	-	1	OS09G0309500	CUFF.1679 OS09T0309500	x	TSS9478	1.512E-25
chr9	TCONS_00100382	XLOC_089316	8421521	8421733	-	1	NA	CUFF.1309 NA	u	TSS9480	5.289E-42
chr9	TCONS_00102626	XLOC_089386	9267163	9267407	-	1	NA	CUFF.1681 NA	u	TSS9487	1.187E-36

chr9	TCONS_00102627	XLOC_089394	9358229	9358604	-	1	OS09G0321900	CUFF.1682	OS09T03219(i	TSS9488	5.016E-18	
chr9	TCONS_00100464	XLOC_089401	9403075	9403288	-	1	OS09G0322600	CUFF.1312	OS09T03226(i	TSS9489	0	
chr9	TCONS_00102632	XLOC_089431	9652594	9652856	-	1	OS09G0327300	CUFF.1683	OS09T03273(i	TSS9492	5.592E-20	
chr9	TCONS_00102633	XLOC_089483	10228497	10229002	-	1	NA	CUFF.1684	NA	u	TSS9497	2.845E-08
chr9	TCONS_00100565	XLOC_089499	10450887	10451111	-	1	OS09G0340400	CUFF.1313	OS09T03404(i	TSS9499	3.192E-33	
chr9	TCONS_00102635	XLOC_089629	11792244	11792446	-	1	OS09G0361100	CUFF.1689	OS09T03611(x	TSS9513	2.527E-15	
chr9	TCONS_00102641	XLOC_089654	11956895	11957183	-	1	NA	CUFF.1689	NA	u	TSS9515	2.638E-18
chr9	TCONS_00100763	XLOC_089693	12254600	12254804	-	1	NA	CUFF.1317	NA	u	TSS9519	0
chr9	TCONS_00102643	XLOC_089712	12382707	12382961	-	1	NA	CUFF.1691	NA	u	TSS9521	5.076E-11
chr9	TCONS_00102645	XLOC_089738	12600658	12601383	-	1	NA	CUFF.1692	NA	u	TSS9524	2.854E-39
chr9	TCONS_00100811	XLOC_089739	12603037	12603495	-	1	OS09G0376350	CUFF.1319	OS09T03763(x	TSS9524	1.508E-15	
chr9	TCONS_00102647	XLOC_089755	12820649	12821116	-	1	OS09G0380000	CUFF.1695	OS09T03800(x	TSS9526	1.341E-21	
chr9	TCONS_00100911	XLOC_089835	13595000	13595422	-	1	OS09G0393200	CUFF.1696	OS09T03932(x	TSS9534	5.434E-07	
chr9	TCONS_00100912	XLOC_089837	13600130	13600720	-	1	OS09G0393200	CUFF.1322	OS09T03932(i	TSS9534	0.0056641	
chr9	TCONS_00102661	XLOC_089849	13708865	13709090	-	1	OS09G0394900	CUFF.1698	OS09T03949(i	TSS9536	1.059E-39	
chr9	TCONS_00100923	XLOC_089850	13711791	13712012	-	1	NA	CUFF.1322	NA	u	TSS9536	6.622E-39
chr9	TCONS_00102669	XLOC_089927	14354044	14354332	-	1	OS09G0406900	CUFF.1699	OS09T04069(i	TSS9544	1.549E-20	
chr9	TCONS_00102670	XLOC_089929	14359018	14359237	-	1	OS09G0407050	CUFF.1700	OS09T04070(x	TSS9544	1.643E-15	
chr9	TCONS_00102673	XLOC_089942	14464255	14464802	-	1	OS09G0408900	CUFF.1699	OS09T04089(x	TSS9546	1.387E-18	
chr9	TCONS_00102674	XLOC_089943	14465228	14465906	-	1	OS09G0408900	CUFF.1699	OS09T04089(x	TSS9546	0.0007261	
chr9	TCONS_00101020	XLOC_089944	14466517	14466826	-	1	OS09G0408900	CUFF.1324	OS09T04089(x	TSS9546	6.513E-29	
chr9	TCONS_00102676	XLOC_089956	14531329	14531723	-	1	OS09G0409950	CUFF.1700	OS09T04099(i	TSS9547	4.2E-31	
chr9	TCONS_00102679	XLOC_089960	14545776	14546338	-	1	OS09G0410300	CUFF.1700	OS09T04103(i	TSS9547	6.57E-17	
chr9	TCONS_00101034	XLOC_089963	14557473	14557810	-	1	NA	CUFF.1324	NA	u	TSS9548	8.261E-17
chr9	TCONS_00102680	XLOC_089984	14661137	14661346	-	1	OS09G0412700	CUFF.1701	OS09T04127(x	TSS9550	2.26E-21	
chr9	TCONS_00101070	XLOC_089995	14711899	14712107	-	1	OS09G0413700	CUFF.1326	OS09T04137(i	TSS9551	2.339E-70	
chr9	TCONS_00101095	XLOC_090016	14930261	14930689	-	1	OS09G0416800	CUFF.1326	OS09T04168(x	TSS9554	1.236E-53	
chr9	TCONS_00101098	XLOC_090019	14973577	14973816	-	1	OS09G0417500	CUFF.1326	OS09T04175(i	TSS9554	1.167E-21	
chr9	TCONS_00102686	XLOC_090041	15161154	15161400	-	1	OS09G0420800	CUFF.1703	OS09T04208(i	TSS9556	1.855E-47	
chr9	TCONS_00102687	XLOC_090063	15360409	15360788	-	1	OS09G0423700	CUFF.1703	OS09T04237(x	TSS9559	4.203E-26	
chr9	TCONS_00102691	XLOC_090121	15792173	15792472	-	1	OS09G0431600	CUFF.1705	OS09T04316(i	TSS9565	5.592E-20	
chr9	TCONS_00101246	XLOC_090162	16091635	16091844	-	1	NA	CUFF.1330	NA	u	TSS9569	1.194E-74
chr9	TCONS_00102697	XLOC_090162	16091452	16091664	-	1	NA	CUFF.1707	NA	u	TSS9569	1.361E-38
chr9	TCONS_00102702	XLOC_090186	16284556	16285045	-	1	OS09G0439400	CUFF.1708	OS09T04394(i	TSS9572	2.26E-21	
chr9	TCONS_00102706	XLOC_090209	16477906	16478112	-	1	OS09G0442900	CUFF.1709	OS09T04429(x	TSS9574	2.638E-18	

chr9	TCONS_00102708	XLOC_090226	16658728	16658930	-	1	NA	CUFF.1710	NA	u	TSS9576	2.345E-72
chr9	TCONS_00101334	XLOC_090251	16876116	16876317	-	1	NA	CUFF.1333	NA	u	TSS9579	0
chr9	TCONS_00101385	XLOC_090299	17222300	17224897	-	1	HSFB1	CUFF.1335	OS09T04568(x		TSS9584	2.255E-59
chr9	TCONS_00102714	XLOC_090300	17224902	17225115	-	1	HSFB1	CUFF.1713	OS09T04568(x		TSS9584	8.155E-21
chr9	TCONS_00101489	XLOC_090401	18036083	18036618	-	1	OS09G0472100	CUFF.1338	OS09T04721(x		TSS9595	5.532E-61
chr9	TCONS_00101512	XLOC_090424	18139733	18139964	-	1	NA	CUFF.1337	NA	u	TSS9597	1.167E-21
chr9	TCONS_00102730	XLOC_090459	18378771	18379002	-	1	NA	CUFF.1717	NA	u	TSS9601	1.859E-10
chr9	TCONS_00102734	XLOC_090501	18708486	18708693	-	1	OS09G0484800	CUFF.1718	OS09T04848(i		TSS9606	2.861E-49
chr9	TCONS_00101599	XLOC_090506	18761597	18762357	-	1	NA	CUFF.1341	NA	u	TSS9607	1.575E-70
chr9	TCONS_00101601	XLOC_090508	18763441	18763730	-	1	NA	CUFF.1339	NA	u	TSS9607	5.227E-53
chr9	TCONS_00101602	XLOC_090509	18764072	18764290	-	1	NA	CUFF.1339	NA	u	TSS9607	7.764E-53
chr9	TCONS_00101613	XLOC_090519	18812047	18812252	-	1	NA	CUFF.1340	NA	u	TSS9608	0
chr9	TCONS_00102737	XLOC_090553	19075692	19075982	-	1	OS09G0492700	CUFF.1720	OS09T04927(i		TSS9612	3.907E-44
chr9	TCONS_00102743	XLOC_090615	19443618	19443928	-	1	OS09G0502500	CUFF.1721	OS09T05025(x		TSS9618	1.033E-24
chr9	TCONS_00102746	XLOC_090637	19570938	19571140	-	1	OS09G0505800	CUFF.1723	OS09T05058(i		TSS9621	1.339E-23
chr9	TCONS_00102748	XLOC_090661	19757618	19757900	-	1	OS09G0509200	CUFF.1725	OS09T05092(i		TSS9623	7.972E-26
chr9	TCONS_00102752	XLOC_090690	19930281	19930573	-	1	NA	CUFF.1725	NA	u	TSS9626	6.57E-17
chr9	TCONS_00102756	XLOC_090700	19995099	19995304	-	1	OS09G0513600	CUFF.1727	OS09T05136(x		TSS9627	5.476E-35
chr9	TCONS_00101809	XLOC_090716	20054380	20054625	-	1	OS09G0514900	CUFF.1345	OS09T05149(i		TSS9629	1.11E-13
chr9	TCONS_00102766	XLOC_090818	20778298	20778900	-	1	NA	CUFF.1729	NA	u	TSS9640	9.468E-18
chr9	TCONS_00101917	XLOC_090819	20782261	20782795	-	1	OS09G0530500	CUFF.1348	OS09T05305(x		TSS9640	2.585E-33
chr9	TCONS_00101918	XLOC_090821	20783974	20784461	-	1	NA	CUFF.1347	NA	u	TSS9640	1.154E-49
chr9	TCONS_00102769	XLOC_090822	20784536	20784804	-	1	NA	CUFF.1729	NA	u	TSS9640	2.542E-23
chr9	TCONS_00102770	XLOC_090823	20784890	20785118	-	1	NA	CUFF.1729	NA	u	TSS9641	1.748E-37
chr9	TCONS_00102771	XLOC_090824	20785624	20786052	-	1	NA	CUFF.1729	NA	u	TSS9641	8.42E-54
chr9	TCONS_00102772	XLOC_090845	20930231	20930604	-	1	OS09G0533100	CUFF.1732	OS09T05331(i		TSS9643	5.418E-30
chr9	TCONS_00102774	XLOC_090855	21039409	21039612	-	1	OS09G0535100	CUFF.1732	OS09T05351(i		TSS9644	2.638E-18
chr9	TCONS_00102775	XLOC_090857	21054265	21054502	-	1	NA	CUFF.1732	NA	u	TSS9644	7.297E-19
chr9	TCONS_00101979	XLOC_090879	21231641	21231867	-	1	OS09G0539200	CUFF.1350	OS09T05392(x		TSS9647	8.32E-36
chr9	TCONS_00102020	XLOC_090921	21494037	21494260	-	1	OS09G0544300	CUFF.1352	OS09T05443(x		TSS9651	2.997E-39
chr9	TCONS_00102022	XLOC_090924	21513516	21513758	-	1	NA	CUFF.1351	NA	u	TSS9652	2.637E-06
chr9	TCONS_00102786	XLOC_090943	21572260	21572632	-	1	NA	CUFF.1735	NA	u	TSS9654	1.168E-26
chr9	TCONS_00102050	XLOC_090955	21642877	21643444	-	1	LOGL9	CUFF.1353	OS09T05475(x		TSS9655	9.434E-32
chr9	TCONS_00102052	XLOC_090957	21647725	21647944	-	1	NA	CUFF.1352	NA	u	TSS9655	1.657E-47
chr9	TCONS_00102083	XLOC_090985	21857036	21857243	-	1	OS09G0551600	CUFF.1353	OS09T05516(x		TSS9658	9.705E-78

chr9	TCONS_00102793	XLOC_091025	22129642	22129843	-	1	NA	CUFF.1738	NA	u	TSS9662	1.508E-30
chr9	TCONS_00102134	XLOC_091040	22184399	22184632	-	1	NA	CUFF.1355	NA	u	TSS9664	1.05E-27
chr9	TCONS_00102157	XLOC_091062	22304397	22305154	-	1	NA	CUFF.1356	NA	u	TSS9666	0
chr9	TCONS_00102203	XLOC_091107	22655376	22655662	-	1	OS09G0567400	CUFF.1358	OS09T05674(x		TSS9671	9.688E-29
chr9	TCONS_00102216	XLOC_091121	22693273	22693531	-	1	NCRNA_5442	CUFF.1743	NCRNA_544: x		TSS9673	0
chr9	TCONS_00102806	XLOC_091135	22748801	22749405	-	1	NA	CUFF.1743	NA	u	TSS9674	7.264E-12
chr9	TCONS_00102807	XLOC_091137	22753546	22753890	-	1	NA	CUFF.1744	NA	u	TSS9674	1.443E-06
chr9	TCONS_00102236	XLOC_091143	22773695	22773919	-	1	NA	CUFF.1359	NA	u	TSS9675	0.0013713
chr9	TCONS_00102237	XLOC_091144	22774466	22774688	-	1	NA	CUFF.1359	NA	u	TSS9675	2.144E-28
chr9	TCONS_00102245	XLOC_091150	22810003	22810279	-	1	NCRNA_42592	CUFF.1360	NCRNA_425: x		TSS9676	0
chr9	TCONS_00102811	XLOC_091170	22938931	22939193	-	1	OS09G0573200	CUFF.1745	OS09T05732(x		TSS9678	3.396E-42
chr9	TCONS_00102270	XLOC_091176	9416629	9416851	.	1	OS09G0322600	CUFF.1312	OS09T03226(i		TSS9679	1.345E-24
chr9	TCONS_00102816	XLOC_091181	21918754	21918958	.	1	OS09G0553200	CUFF.1739	OS09T05532(i		TSS9679	5.476E-35
chr9	TCONS_00102817	XLOC_091182	21919821	21920021	.	1	OS09G0553200	CUFF.1739	OS09T05532(i		TSS9679	1.387E-18

Table S3 Differentially expressed lncRNAs in two libraries.

Transcript_id	K1_fpkm	K2_fpkm	Regulation	log2 fold_change	p-value	FDR
TCONS_00018598	160652.54	259985.16	up	0.694485525	0	0
TCONS_00010326	212860.41	249921.11	up	0.231565132	0	0
TCONS_00004325	115115.03	182697.09	up	0.666377477	0	0
TCONS_00041054	43015.162	47185.684	up	0.133503968	0	0
TCONS_00047126	7491.3626	31381.625	up	2.06662003	0	0
TCONS_00015086	16497.936	17585.812	up	0.092126379	0	0
TCONS_00041815	4778.8204	10352.677	up	1.115277442	0	0
TCONS_00041816	3331.5276	4787.5457	up	0.523102439	0	0
TCONS_00030517	2967.076	3050.4977	up	0.040002782	4.17E-25	7.44E-25
TCONS_00043826	187.96599	2964.1809	up	3.979089973	0	0
TCONS_00025765	1345.2424	2553.3153	up	0.924505498	0	0
TCONS_00033095	1292.2855	1314.7919	up	0.024909671	5.63E-11	6.62E-11
TCONS_00033096	1153.2012	1246.4522	up	0.112183324	8.23E-15	1.04E-14
TCONS_00073726	202.85885	1244.0428	up	2.61648793	0	0
TCONS_00060754	941.25663	1239.8257	up	0.397477267	2.51E-33	6.29E-33
TCONS_00043824	147.99132	1092.7951	up	2.884438403	0	0
TCONS_00032749	10.418162	1092.1208	up	6.711887933	0	0
TCONS_00043825	120.87249	980.17632	up	3.019555334	0	0
TCONS_00096366	925.98308	950.14678	up	0.037164573	9.94E-09	1.13E-08
TCONS_00100012	794.43795	892.90916	up	0.168578858	2.23E-13	2.75E-13
TCONS_00097420	856.07503	863.99617	up	0.013287664	2.63E-07	2.94E-07
TCONS_00055327	0	860.87564	up	Inf	0	0
TCONS_00054751	0	845.70891	up	Inf	0	0
TCONS_00096376	0	784.62398	up	Inf	0	0
TCONS_00073113	0	756.22875	up	Inf	0	0
TCONS_00016947	272.32633	730.01577	up	1.422591129	3.04E-75	2.36E-74
TCONS_00018649	521.29989	728.45492	up	0.482726145	4.46E-24	7.66E-24
TCONS_00064912	657.56741	717.9886	up	0.12682215	1.36E-09	1.56E-09
TCONS_00065626	641.29573	700.13685	up	0.126647161	2.01E-09	2.31E-09
TCONS_00076593	566.18902	647.83684	up	0.194346748	6.49E-11	7.64E-11
TCONS_00055112	223.41916	636.71048	up	1.51088462	2.84E-70	1.97E-69
TCONS_00055400	7.9829343	545.31752	up	6.09403355	0	0
TCONS_00016955	216.77602	530.85494	up	1.292112514	9.35E-50	4.12E-49
TCONS_00018628	0	516.59403	up	Inf	0	0
TCONS_00076347	374.43938	510.2297	up	0.446414724	3.40E-16	4.43E-16
TCONS_00085108	101.25722	508.19011	up	2.327343526	3.50E-85	3.30E-84
TCONS_00072618	130.38392	507.8804	up	1.961722841	3.86E-73	2.85E-72
TCONS_00026002	3.6299758	486.5731	up	7.066552814	0	0
TCONS_00073102	438.11292	479.97212	up	0.131647842	5.31E-07	5.91E-07
TCONS_00043994	467.76865	476.48203	up	0.026626629	8.44E-05	9.12E-05
TCONS_00011856	133.77397	474.60649	up	1.826934371	8.19E-64	4.98E-63
TCONS_00012531	3.1333667	464.42982	up	7.211603147	0	0
TCONS_00055380	435.84358	448.48015	up	0.041233697	7.58E-05	8.20E-05
TCONS_00012912	206.13077	442.79489	up	1.10307869	2.24E-35	5.99E-35
TCONS_00096519	35.558226	431.76809	up	3.60200136	0	0
TCONS_00062833	382.52727	431.40133	up	0.173468018	3.36E-07	3.75E-07

TCONS_00043168	0	427.90444	up	Inf	0	0
TCONS_00018954	304.70405	419.364	up	0.460794349	7.39E-14	9.19E-14
TCONS_00019149	10.020246	417.58018	up	5.381063437	0	0
TCONS_00060794	237.19157	409.73691	up	0.788645132	4.69E-23	7.75E-23
TCONS_00081282	276.53409	408.60785	up	0.563259566	2.32E-16	3.04E-16
TCONS_00096615	2.9507472	403.1335	up	7.09403355	0	0
TCONS_00005596	240.4859	402.48072	up	0.742967401	2.92E-21	4.48E-21
TCONS_00018953	336.27833	400.6122	up	0.252550537	1.57E-08	1.78E-08
TCONS_00026000	379.20095	398.90044	up	0.073066121	5.05E-05	5.47E-05
TCONS_00054967	284.14334	373.85513	up	0.395860439	4.19E-11	4.95E-11
TCONS_00081276	14.856272	373.3838	up	4.651515315	0	0
TCONS_00044115	0	372.85711	up	Inf	0	0
TCONS_00064332	0	367.35576	up	Inf	0	0
TCONS_00004310	219.21844	366.88719	up	0.742967401	1.45E-19	2.09E-19
TCONS_00073103	29.355086	357.97784	up	3.608187883	4.23E-82	3.75E-81
TCONS_00012072	317.03493	356.2316	up	0.168173718	3.98E-06	4.38E-06
TCONS_00018717	3.9263004	354.23591	up	6.495396113	0	0
TCONS_00054629	11.659922	353.16247	up	4.920701947	0	0
TCONS_00016962	171.01219	352.66153	up	1.044185001	6.50E-27	1.24E-26
TCONS_00064681	158.17193	349.48106	up	1.143720674	2.82E-29	6.01E-29
TCONS_00043681	0	345.26791	up	Inf	0	0
TCONS_00096952	2.3693192	342.02088	up	7.173468018	0	0
TCONS_00017019	278.18369	341.78978	up	0.297071451	2.66E-08	3.01E-08
TCONS_00018111	297.22153	335.90407	up	0.17651061	4.97E-06	5.46E-06
TCONS_00081084	3.4111475	334.13742	up	6.614040609	0	0
TCONS_00043584	0	333.79922	up	Inf	0	0
TCONS_00064394	0	333.58538	up	Inf	0	0
TCONS_00043081	0	333.34936	up	Inf	0	0
TCONS_00044159	0	330.28143	up	Inf	0	0
TCONS_00042967	23.25943	325.48101	up	3.806685687	1.13E-76	8.94E-76
TCONS_00088568	208.64692	324.7994	up	0.638485366	5.47E-15	6.96E-15
TCONS_00064924	0	320.5403	up	Inf	0	0
TCONS_00055564	144.14445	318.48733	up	1.143720674	8.19E-27	1.56E-26
TCONS_00019056	2.7020887	313.43908	up	6.857966192	2.82E-86	2.72E-85
TCONS_00013131	0	311.34636	up	Inf	7.81E-88	7.84E-87
TCONS_00054694	71.164194	309.95642	up	2.122841945	1.11E-48	4.71E-48
TCONS_00064325	0	307.30722	up	Inf	9.95E-87	9.77E-86
TCONS_00055045	0	306.94713	up	Inf	9.95E-87	9.77E-86
TCONS_00043426	0	303.41726	up	Inf	1.27E-85	1.21E-84
TCONS_00043060	0	301.8706	up	Inf	2.40E-85	2.27E-84
TCONS_00055484	2.1471955	301.65402	up	7.134297421	6.19E-84	5.69E-83
TCONS_00054590	2.466522	300.4193	up	6.92835552	2.21E-83	2.01E-82
TCONS_00081779	0	300.27028	up	Inf	8.56E-85	8.00E-84
TCONS_00102296	0	296.93304	up	Inf	5.77E-84	5.32E-83
TCONS_00055146	0	296.85967	up	Inf	5.77E-84	5.32E-83
TCONS_00102314	0	295.75994	up	Inf	1.09E-83	1.00E-82
TCONS_00072423	4.0248686	295.69064	up	6.19900311	6.88E-81	6.01E-80
TCONS_00073104	80.932754	295.05467	up	1.866186699	3.99E-41	1.32E-40
TCONS_00096532	0	294.61204	up	Inf	2.06E-83	1.88E-82

TCONS_00012973	0	291.08951	up	Inf	2.63E-82	2.34E-81
TCONS_00025848	0	290.85958	up	Inf	2.63E-82	2.34E-81
TCONS_00032658	0	286.94655	up	Inf	3.35E-81	2.94E-80
TCONS_00032655	0	281.47394	up	Inf	1.52E-79	1.29E-78
TCONS_00025984	0	279.56854	up	Inf	2.88E-79	2.41E-78
TCONS_00064904	0	279.56854	up	Inf	2.88E-79	2.41E-78
TCONS_00031680	197.50933	278.1358	up	0.493868643	3.00E-10	3.49E-10
TCONS_00054564	8.1937273	276.69023	up	5.077608002	6.11E-73	4.49E-72
TCONS_00054998	173.25328	276.62777	up	0.675063337	7.96E-14	9.85E-14
TCONS_00096756	0	276.1697	up	Inf	3.67E-78	3.02E-77
TCONS_00012629	7.5151843	276.05494	up	5.19900311	1.15E-72	8.42E-72
TCONS_00102375	0	272.27544	up	Inf	4.69E-77	3.75E-76
TCONS_00011928	56.00836	270.7043	up	2.273003691	2.34E-45	8.98E-45
TCONS_00011898	0	270.50742	up	Inf	8.85E-77	7.04E-76
TCONS_00089596	0	268.73069	up	Inf	3.16E-76	2.49E-75
TCONS_00081776	0	263.69427	up	Inf	7.62E-75	5.87E-74
TCONS_00073038	0	262.99333	up	Inf	1.44E-74	1.10E-73
TCONS_00032846	146.00929	262.51411	up	0.846334764	1.70E-16	2.22E-16
TCONS_00102406	0	261.40903	up	Inf	5.14E-74	3.88E-73
TCONS_00064905	178.3824	260.56776	up	0.546685341	8.48E-11	9.97E-11
TCONS_00043206	84.233239	260.55881	up	1.629147502	3.24E-32	7.78E-32
TCONS_00055115	0	259.773	up	Inf	9.72E-74	7.28E-73
TCONS_00012000	66.043888	259.06805	up	1.971834157	2.85E-38	8.50E-38
TCONS_00064664	0	255.69105	up	Inf	1.24E-72	9.05E-72
TCONS_00081190	0	255.25823	up	Inf	2.34E-72	1.70E-71
TCONS_00102708	0	255.25823	up	Inf	2.34E-72	1.70E-71
TCONS_00044035	0	254.7587	up	Inf	2.34E-72	1.70E-71
TCONS_00081567	6.9204575	254.20886	up	5.19900311	2.92E-67	1.91E-66
TCONS_00043525	193.8801	253.73177	up	0.388139402	7.34E-08	8.23E-08
TCONS_00064141	22.580835	253.20384	up	3.487128497	4.10E-57	2.15E-56
TCONS_00055303	0	252.30588	up	Inf	1.58E-71	1.13E-70
TCONS_00072733	0	252.2589	up	Inf	1.58E-71	1.13E-70
TCONS_00090108	57.948409	251.45059	up	2.117433983	1.55E-39	4.90E-39
TCONS_00018611	3.5365573	250.70005	up	6.147472809	1.86E-68	1.24E-67
TCONS_00043866	0	249.18065	up	Inf	1.07E-70	7.49E-70
TCONS_00055463	0	249.15157	up	Inf	1.07E-70	7.49E-70
TCONS_00073074	0	248.88694	up	Inf	1.07E-70	7.49E-70
TCONS_00012532	215.64698	248.83825	up	0.206536783	3.85E-05	4.18E-05
TCONS_00081555	0	247.96514	up	Inf	2.02E-70	1.41E-69
TCONS_00102432	0	247.96514	up	Inf	2.02E-70	1.41E-69
TCONS_00073112	0	247.06671	up	Inf	3.82E-70	2.64E-69
TCONS_00081482	2.0166532	246.92545	up	6.935968704	9.82E-69	6.60E-68
TCONS_00096747	0	245.66205	up	Inf	7.22E-70	4.96E-69
TCONS_00064812	37.447926	244.34521	up	2.705963099	2.96E-47	1.21E-46
TCONS_00052298	229.43512	244.16698	up	0.089781867	0.000995	0.0010602
TCONS_00033109	0	243.90013	up	Inf	2.58E-69	1.76E-68
TCONS_00055593	165.18223	243.31355	up	0.558758174	2.95E-10	3.43E-10
TCONS_00033027	4.0080983	242.7992	up	5.920701947	3.02E-66	1.93E-65
TCONS_00025775	0	242.67051	up	Inf	4.87E-69	3.30E-68

TCONS_00043503	0	239.37228	up	Inf	6.22E-68	4.12E-67
TCONS_00081790	0	239.37228	up	Inf	6.22E-68	4.12E-67
TCONS_00055514	100.77504	239.10924	up	1.24653148	2.04E-22	3.29E-22
TCONS_00012675	0	238.8655	up	Inf	6.22E-68	4.12E-67
TCONS_00032693	0	237.28721	up	Inf	2.22E-67	1.46E-66
TCONS_00089451	0	237.25059	up	Inf	2.22E-67	1.46E-66
TCONS_00088914	96.672938	236.86222	up	1.292864114	4.26E-23	7.04E-23
TCONS_00072496	20.861427	236.01501	up	3.499968843	1.17E-53	5.68E-53
TCONS_00013123	0	235.89604	up	Inf	4.20E-67	2.75E-66
TCONS_00018937	4.0588337	235.40994	up	5.857966192	4.90E-64	2.99E-63
TCONS_00012677	11.613001	234.49419	up	4.335739447	1.61E-58	8.80E-58
TCONS_00096484	0	234.25278	up	Inf	1.50E-66	9.69E-66
TCONS_00081066	0	233.88192	up	Inf	1.50E-66	9.69E-66
TCONS_00044208	2.8292458	233.37895	up	6.366113096	3.60E-64	2.20E-63
TCONS_00089657	0	233.34588	up	Inf	2.84E-66	1.82E-65
TCONS_00012046	0	233.23453	up	Inf	2.84E-66	1.82E-65
TCONS_00064986	0	232.13757	up	Inf	5.37E-66	3.41E-65
TCONS_00033153	0	232.0856	up	Inf	5.37E-66	3.41E-65
TCONS_00026173	0	231.35503	up	Inf	1.01E-65	6.42E-65
TCONS_00072215	80.333619	230.97395	up	1.523654373	7.39E-27	1.41E-26
TCONS_00032822	60.481483	230.14728	up	1.927991983	1.23E-33	3.12E-33
TCONS_00043998	0	230.11916	up	Inf	1.92E-65	1.21E-64
TCONS_00055347	0	229.46028	up	Inf	3.62E-65	2.26E-64
TCONS_00043226	0	229.1427	up	Inf	3.62E-65	2.26E-64
TCONS_00073024	4.0248686	228.25243	up	5.825544714	4.21E-62	2.46E-61
TCONS_00081283	0	227.49095	up	Inf	1.30E-64	8.00E-64
TCONS_00055211	0	227.36058	up	Inf	1.30E-64	8.00E-64
TCONS_00018666	0	225.97808	up	Inf	2.45E-64	1.50E-63
TCONS_00072975	0	225.97808	up	Inf	2.45E-64	1.50E-63
TCONS_00032665	206.33835	224.74182	up	0.123256572	0.000672	0.0007167
TCONS_00043690	0	224.5722	up	Inf	4.63E-64	2.83E-63
TCONS_00019044	8.0497371	223.06487	up	4.79237785	4.72E-58	2.55E-57
TCONS_00054744	0	222.89001	up	Inf	1.65E-63	1.00E-62
TCONS_00025761	0	222.53281	up	Inf	1.65E-63	1.00E-62
TCONS_00043308	0	222.23291	up	Inf	3.13E-63	1.88E-62
TCONS_00025894	0	221.80368	up	Inf	3.13E-63	1.88E-62
TCONS_00054847	0	220.79087	up	Inf	5.91E-63	3.53E-62
TCONS_00054802	0	220.05564	up	Inf	1.12E-62	6.64E-62
TCONS_00096901	0	219.43817	up	Inf	2.11E-62	1.25E-61
TCONS_00025886	0	219.13198	up	Inf	2.11E-62	1.25E-61
TCONS_00032919	0	218.79277	up	Inf	2.11E-62	1.25E-61
TCONS_00012794	0	218.49387	up	Inf	3.99E-62	2.34E-61
TCONS_00013112	0	217.90876	up	Inf	4.00E-62	2.34E-61
TCONS_00088917	0	217.78619	up	Inf	4.00E-62	2.34E-61
TCONS_00081328	92.618578	216.08175	up	1.222203684	5.88E-20	8.61E-20
TCONS_00012294	0	214.48461	up	Inf	5.10E-61	2.93E-60
TCONS_00064482	0	214.48461	up	Inf	5.10E-61	2.93E-60
TCONS_00055135	0	214.40594	up	Inf	5.10E-61	2.93E-60
TCONS_00102417	118.64504	214.18915	up	0.852233693	1.15E-13	1.42E-13

TCONS_00033104	131.0902	214.17334	up	0.708219073	1.83E-11	2.18E-11
TCONS_00018659	33.227758	214.13224	up	2.688041191	2.17E-41	7.31E-41
TCONS_00012413	0	214.10644	up	Inf	5.10E-61	2.93E-60
TCONS_00064154	0	213.55849	up	Inf	5.10E-61	2.93E-60
TCONS_00026027	8.4752739	213.0097	up	4.651515315	2.69E-55	1.36E-54
TCONS_00012985	0	211.39885	up	Inf	3.45E-60	1.94E-59
TCONS_00042982	0	210.64999	up	Inf	3.45E-60	1.94E-59
TCONS_00089057	0	210.62676	up	Inf	3.45E-60	1.94E-59
TCONS_00032924	178.79992	210.47846	up	0.235326488	8.21E-05	8.88E-05
TCONS_00055295	0	210.45012	up	Inf	6.52E-60	3.64E-59
TCONS_00081822	0	210.42913	up	Inf	6.52E-60	3.64E-59
TCONS_00043609	34.727205	210.36753	up	2.598773853	2.24E-39	7.03E-39
TCONS_00096846	0	210.21266	up	Inf	6.52E-60	3.64E-59
TCONS_00026101	0	209.89175	up	Inf	6.52E-60	3.64E-59
TCONS_00081730	0	209.89175	up	Inf	6.52E-60	3.64E-59
TCONS_00012028	0	208.81275	up	Inf	1.23E-59	6.83E-59
TCONS_00032752	4.1463086	208.41897	up	5.651515315	1.42E-56	7.33E-56
TCONS_00043588	0	208.29071	up	Inf	2.33E-59	1.29E-58
TCONS_00064364	0	206.63761	up	Inf	4.41E-59	2.42E-58
TCONS_00089517	0	206.63761	up	Inf	4.41E-59	2.42E-58
TCONS_00044061	13.907618	206.13969	up	3.889675052	1.30E-49	5.65E-49
TCONS_00018621	0	205.62963	up	Inf	8.34E-59	4.56E-58
TCONS_00064429	0	205.62963	up	Inf	8.34E-59	4.56E-58
TCONS_00081785	0	204.81702	up	Inf	1.58E-58	8.60E-58
TCONS_00055589	0	204.6882	up	Inf	1.58E-58	8.60E-58
TCONS_00055634	102.64642	204.11764	up	0.991717581	2.84E-15	3.63E-15
TCONS_00072568	0	203.80696	up	Inf	2.98E-58	1.61E-57
TCONS_00043592	0	203.64287	up	Inf	2.98E-58	1.61E-57
TCONS_00055073	0	203.64287	up	Inf	2.98E-58	1.61E-57
TCONS_00096456	0	203.11137	up	Inf	5.64E-58	3.03E-57
TCONS_00089105	0	202.73879	up	Inf	5.64E-58	3.03E-57
TCONS_00064844	0	202.31465	up	Inf	1.07E-57	5.69E-57
TCONS_00009084	0	202.20333	up	Inf	1.07E-57	5.69E-57
TCONS_00043071	0	202.14549	up	Inf	1.07E-57	5.69E-57
TCONS_00013008	0	201.96255	up	Inf	1.07E-57	5.69E-57
TCONS_00072779	0	201.47167	up	Inf	2.01E-57	1.07E-56
TCONS_00012318	5.993418	200.84404	up	5.066552814	2.67E-53	1.28E-52
TCONS_00043737	0	200.12934	up	Inf	3.81E-57	2.01E-56
TCONS_00043710	0	199.58169	up	Inf	3.81E-57	2.01E-56
TCONS_00019105	79.240564	199.51218	up	1.332165764	1.54E-20	2.31E-20
TCONS_00011920	0	199.31004	up	Inf	7.21E-57	3.75E-56
TCONS_00013009	18.149879	198.83997	up	3.453575937	2.35E-45	8.99E-45
TCONS_00081136	0	198.61285	up	Inf	7.21E-57	3.75E-56
TCONS_00072942	0	197.58178	up	Inf	1.36E-56	7.05E-56
TCONS_00043356	0	197.05839	up	Inf	2.58E-56	1.33E-55
TCONS_00096777	0	196.93982	up	Inf	2.58E-56	1.33E-55
TCONS_00018904	0	196.72511	up	Inf	2.58E-56	1.33E-55
TCONS_00055517	2.9874024	196.36991	up	6.038538438	6.11E-54	2.99E-53
TCONS_00072709	0	196.2314	up	Inf	4.87E-56	2.49E-55

TCONS_00054933	0	196.01987	up	Inf	4.87E-56	2.49E-55
TCONS_00012929	77.995426	195.46801	up	1.325471111	8.64E-20	1.26E-19
TCONS_00089383	0	194.39775	up	Inf	1.74E-55	8.84E-55
TCONS_00064687	0	194.37945	up	Inf	1.74E-55	8.84E-55
TCONS_00032824	51.349302	194.13641	up	1.918654119	1.75E-28	3.57E-28
TCONS_00019073	0	193.86365	up	Inf	1.74E-55	8.84E-55
TCONS_00088960	4.294391	193.72276	up	5.495396113	1.05E-52	4.93E-52
TCONS_00081640	0	193.21959	up	Inf	3.30E-55	1.66E-54
TCONS_00102771	2.2370781	193.18214	up	6.432202286	8.42E-54	4.10E-53
TCONS_00018661	0	192.86177	up	Inf	3.30E-55	1.66E-54
TCONS_00102317	46.480467	192.74601	up	2.052004505	3.22E-30	7.12E-30
TCONS_00043679	0	192.73392	up	Inf	3.30E-55	1.66E-54
TCONS_00059570	3.3227758	192.71902	up	5.857966192	4.13E-53	1.96E-52
TCONS_00043045	63.951928	192.32753	up	1.588505517	2.11E-23	3.52E-23
TCONS_00043844	0	192.27243	up	Inf	6.23E-55	3.14E-54
TCONS_00026219	3.5496073	192.15011	up	5.758430519	3.75E-52	1.74E-51
TCONS_00043237	0	192.0084	up	Inf	6.23E-55	3.14E-54
TCONS_00012667	4.2469916	191.58454	up	5.495396113	3.75E-52	1.74E-51
TCONS_00064987	0	191.26787	up	Inf	1.18E-54	5.88E-54
TCONS_00043502	0	191.16255	up	Inf	1.18E-54	5.88E-54
TCONS_00019097	0	191.11937	up	Inf	1.18E-54	5.88E-54
TCONS_00026187	121.89011	191.06903	up	0.648512826	1.53E-09	1.76E-09
TCONS_00096611	0	190.74241	up	Inf	1.18E-54	5.88E-54
TCONS_00026035	0	190.29883	up	Inf	2.23E-54	1.10E-53
TCONS_00064166	0	190.20053	up	Inf	2.23E-54	1.10E-53
TCONS_00064852	0	189.28636	up	Inf	4.21E-54	2.07E-53
TCONS_00081462	0	188.96971	up	Inf	4.21E-54	2.07E-53
TCONS_00012883	0	188.87969	up	Inf	4.21E-54	2.07E-53
TCONS_00032647	8.0940237	188.5819	up	4.542190324	1.10E-48	4.66E-48
TCONS_00088942	0	188.4535	up	Inf	7.97E-54	3.89E-53
TCONS_00055530	0	188.14475	up	Inf	7.97E-54	3.89E-53
TCONS_00072847	0	187.35144	up	Inf	1.51E-53	7.25E-53
TCONS_00073041	0	187.35144	up	Inf	1.51E-53	7.25E-53
TCONS_00089484	0	186.82305	up	Inf	1.51E-53	7.25E-53
TCONS_00081427	0	186.57571	up	Inf	1.51E-53	7.25E-53
TCONS_00089637	0	186.52245	up	Inf	1.51E-53	7.25E-53
TCONS_00054937	26.264671	186.18543	up	2.825544714	1.52E-37	4.46E-37
TCONS_00064380	0	185.72288	up	Inf	2.85E-53	1.37E-52
TCONS_00064248	0	185.60265	up	Inf	2.85E-53	1.37E-52
TCONS_00018897	0	185.04861	up	Inf	5.39E-53	2.55E-52
TCONS_00089452	0	184.07892	up	Inf	1.02E-52	4.79E-52
TCONS_00102734	4.6026009	183.89759	up	5.320309406	2.86E-49	1.23E-48
TCONS_00081173	3.1695011	183.82918	up	5.857966192	1.27E-50	5.73E-50
TCONS_00044022	0	183.81137	up	Inf	1.02E-52	4.79E-52
TCONS_00096486	0	183.67788	up	Inf	1.02E-52	4.79E-52
TCONS_00054983	0	183.5121	up	Inf	1.02E-52	4.79E-52
TCONS_00102468	0	183.09662	up	Inf	1.93E-52	9.01E-52
TCONS_00026012	0	182.59251	up	Inf	1.93E-52	9.01E-52
TCONS_00054432	0	182.48517	up	Inf	3.65E-52	1.70E-51

TCONS_00018891	0	181.99276	up	Inf	3.65E-52	1.70E-51
TCONS_00053619	28.188823	181.65944	up	2.688041191	1.72E-35	4.64E-35
TCONS_00072718	159.30276	181.63051	up	0.189235334	0.000541	0.0005779
TCONS_00073082	2.6068932	181.4379	up	6.121000598	8.60E-50	3.79E-49
TCONS_00018854	0	181.09813	up	Inf	6.90E-52	3.18E-51
TCONS_00073100	1.5590658	180.84978	up	6.857966192	1.76E-50	7.86E-50
TCONS_00064481	0	180.80791	up	Inf	6.90E-52	3.18E-51
TCONS_00096566	0	180.70334	up	Inf	6.90E-52	3.18E-51
TCONS_00012530	0	179.52227	up	Inf	1.31E-51	6.01E-51
TCONS_00055475	6.2565437	179.42193	up	4.841846527	3.15E-47	1.29E-46
TCONS_00043414	0	179.13831	up	Inf	2.47E-51	1.13E-50
TCONS_00089573	0	178.97746	up	Inf	2.47E-51	1.13E-50
TCONS_00096906	0	178.61895	up	Inf	2.47E-51	1.13E-50
TCONS_00055304	0	178.59702	up	Inf	2.47E-51	1.13E-50
TCONS_00013145	0	178.04285	up	Inf	4.67E-51	2.13E-50
TCONS_00055488	3.0684006	177.96541	up	5.857966192	5.81E-49	2.49E-48
TCONS_00012726	0	177.66972	up	Inf	4.67E-51	2.13E-50
TCONS_00055561	70.601364	177.44294	up	1.32958722	4.73E-18	6.48E-18
TCONS_00089565	0	177.11795	up	Inf	8.83E-51	3.99E-50
TCONS_00026028	0	176.39796	up	Inf	1.67E-50	7.47E-50
TCONS_00064175	4.5589744	176.27853	up	5.273003691	4.64E-47	1.88E-46
TCONS_00012135	0	176.27853	up	Inf	1.67E-50	7.47E-50
TCONS_00081673	0	176.24973	up	Inf	1.67E-50	7.47E-50
TCONS_00032765	0	176.21888	up	Inf	1.67E-50	7.47E-50
TCONS_00089343	51.598507	175.76073	up	1.768211539	7.21E-24	1.23E-23
TCONS_00032766	0	175.59763	up	Inf	1.67E-50	7.47E-50
TCONS_00044111	0	175.24038	up	Inf	3.16E-50	1.40E-49
TCONS_00096788	4.2469916	175.16301	up	5.366113096	1.88E-47	7.70E-47
TCONS_00019139	102.09683	174.76813	up	0.775504032	1.50E-10	1.76E-10
TCONS_00054817	0	174.19038	up	Inf	5.98E-50	2.64E-49
TCONS_00043782	0	173.9122	up	Inf	5.98E-50	2.64E-49
TCONS_00081401	0	173.75229	up	Inf	5.98E-50	2.64E-49
TCONS_00081186	0	173.49097	up	Inf	1.13E-49	4.95E-49
TCONS_00012265	4.4741562	172.99893	up	5.273003691	6.70E-47	2.69E-46
TCONS_00054428	0	172.99893	up	Inf	1.13E-49	4.95E-49
TCONS_00072687	0	172.99893	up	Inf	1.13E-49	4.95E-49
TCONS_00054731	7.1255081	172.19801	up	4.594931786	1.20E-44	4.51E-44
TCONS_00072896	0	171.99894	up	Inf	2.14E-49	9.25E-49
TCONS_00032628	0	171.94663	up	Inf	2.14E-49	9.25E-49
TCONS_00096622	0	171.85703	up	Inf	2.14E-49	9.25E-49
TCONS_00102374	0	171.75074	up	Inf	2.14E-49	9.25E-49
TCONS_00089459	0	171.60217	up	Inf	2.14E-49	9.25E-49
TCONS_00033079	0	171.58302	up	Inf	2.14E-49	9.25E-49
TCONS_00089247	0	171.58302	up	Inf	2.14E-49	9.25E-49
TCONS_00072984	0	171.32137	up	Inf	4.05E-49	1.74E-48
TCONS_00013154	0	171.01044	up	Inf	4.05E-49	1.74E-48
TCONS_00043813	3.0060737	170.47603	up	5.825544714	9.50E-47	3.81E-46
TCONS_00026112	0	170.42277	up	Inf	7.66E-49	3.26E-48
TCONS_00026189	0	170.35773	up	Inf	7.66E-49	3.26E-48

TCONS_00055297	0	170.35773	up	Inf	7.66E-49	3.26E-48
TCONS_00012347	0	170.17215	up	Inf	7.66E-49	3.26E-48
TCONS_00089478	0	170.17215	up	Inf	7.66E-49	3.26E-48
TCONS_00096939	0	170.17215	up	Inf	7.66E-49	3.26E-48
TCONS_00032909	0	170.06458	up	Inf	7.66E-49	3.26E-48
TCONS_00055614	0	170.00954	up	Inf	7.66E-49	3.26E-48
TCONS_00043947	78.773333	169.86588	up	1.108616873	1.44E-14	1.81E-14
TCONS_00081763	151.53906	169.83913	up	0.164479235	0.001615	0.001716
TCONS_00025953	0	169.43388	up	Inf	1.45E-48	6.10E-48
TCONS_00032691	0	168.89266	up	Inf	1.45E-48	6.10E-48
TCONS_00072572	6.3916517	168.87991	up	4.7236651	1.81E-44	6.79E-44
TCONS_00018667	167.58599	168.47805	up	0.007659125	0.028601	0.029503
TCONS_00026201	0	167.74112	up	Inf	2.74E-48	1.15E-47
TCONS_00011926	0	167.72178	up	Inf	2.74E-48	1.15E-47
TCONS_00055487	101.25722	167.48522	up	0.726009041	1.80E-09	2.06E-09
TCONS_00064913	0	167.30178	up	Inf	5.18E-48	2.15E-47
TCONS_00043600	62.348196	167.27807	up	1.423828594	1.43E-18	1.99E-18
TCONS_00055505	0	167.16751	up	Inf	5.18E-48	2.15E-47
TCONS_00055558	0	167.16751	up	Inf	5.18E-48	2.15E-47
TCONS_00089577	0	166.89961	up	Inf	5.18E-48	2.15E-47
TCONS_00043384	0	166.79269	up	Inf	5.18E-48	2.15E-47
TCONS_00081334	0	166.31808	up	Inf	9.81E-48	4.05E-47
TCONS_00096507	0	165.71927	up	Inf	9.81E-48	4.05E-47
TCONS_00032937	0	165.64473	up	Inf	9.81E-48	4.05E-47
TCONS_00054534	0	164.99581	up	Inf	1.86E-47	7.62E-47
TCONS_00102686	0	164.9768	up	Inf	1.86E-47	7.62E-47
TCONS_00064699	0	164.90292	up	Inf	1.86E-47	7.62E-47
TCONS_00054624	0	164.66435	up	Inf	1.86E-47	7.62E-47
TCONS_00081757	0	164.42133	up	Inf	3.51E-47	1.43E-46
TCONS_00064977	2.8334126	164.33625	up	5.857966192	4.34E-45	1.65E-44
TCONS_00096699	0	164.25041	up	Inf	3.51E-47	1.43E-46
TCONS_00089167	0	164.09458	up	Inf	3.51E-47	1.43E-46
TCONS_00054536	0	163.97694	up	Inf	3.51E-47	1.43E-46
TCONS_00026015	0	163.82081	up	Inf	3.51E-47	1.43E-46
TCONS_00012130	0	163.79348	up	Inf	3.51E-47	1.43E-46
TCONS_00043262	2.0466885	163.55147	up	6.320309406	8.92E-46	3.47E-45
TCONS_00054843	0	163.44969	up	Inf	6.64E-47	2.67E-46
TCONS_00033187	0	163.43157	up	Inf	6.64E-47	2.67E-46
TCONS_00012115	0	163.29411	up	Inf	6.64E-47	2.67E-46
TCONS_00096945	0	163.26923	up	Inf	6.64E-47	2.67E-46
TCONS_00072532	2.1049094	162.77799	up	6.273003691	1.69E-45	6.50E-45
TCONS_00102598	93.782801	162.31701	up	0.79141893	5.98E-10	6.93E-10
TCONS_00072696	0	161.95921	up	Inf	1.26E-46	4.99E-46
TCONS_00064841	0	161.71639	up	Inf	1.26E-46	4.99E-46
TCONS_00064709	0	161.52659	up	Inf	1.26E-46	4.99E-46
TCONS_00043881	4.3136484	161.23294	up	5.224094091	1.39E-43	5.03E-43
TCONS_00088953	0	160.95983	up	Inf	2.38E-46	9.42E-46
TCONS_00096888	6.0882506	160.86346	up	4.7236651	2.93E-42	1.01E-41
TCONS_00013082	14.251016	160.71814	up	3.495396113	2.38E-37	6.92E-37

TCONS_00072762	0	160.57983	up	Inf	2.38E-46	9.42E-46
TCONS_00064556	0	160.44803	up	Inf	4.50E-46	1.77E-45
TCONS_00032809	59.57392	160.34175	up	1.428397374	1.12E-17	1.51E-17
TCONS_00089228	2.7642057	160.32229	up	5.857966192	5.55E-44	2.04E-43
TCONS_00073035	0	160.32229	up	Inf	4.50E-46	1.77E-45
TCONS_00026232	0	159.97751	up	Inf	4.50E-46	1.77E-45
TCONS_00096372	0	158.75817	up	Inf	8.51E-46	3.32E-45
TCONS_00054800	64.397897	158.73919	up	1.301572844	2.61E-16	3.40E-16
TCONS_00072805	0	158.65068	up	Inf	8.51E-46	3.32E-45
TCONS_00054857	0	158.61309	up	Inf	8.51E-46	3.32E-45
TCONS_00012299	0	158.44418	up	Inf	1.61E-45	6.21E-45
TCONS_00072974	0	158.37189	up	Inf	1.61E-45	6.21E-45
TCONS_00081431	16.373508	158.27562	up	3.273003691	2.12E-35	5.67E-35
TCONS_00064893	0	158.21441	up	Inf	1.61E-45	6.21E-45
TCONS_00013016	0	157.796	up	Inf	1.61E-45	6.21E-45
TCONS_00044200	0	157.64107	up	Inf	1.61E-45	6.21E-45
TCONS_00064428	0	157.56982	up	Inf	1.61E-45	6.21E-45
TCONS_00102385	0	157.51244	up	Inf	1.61E-45	6.21E-45
TCONS_00064355	2.4414812	157.33828	up	6.009969286	7.74E-44	2.80E-43
TCONS_00033020	0	157.29132	up	Inf	3.05E-45	1.16E-44
TCONS_00043215	0	157.22427	up	Inf	3.05E-45	1.16E-44
TCONS_00012937	0	157.08199	up	Inf	3.05E-45	1.16E-44
TCONS_00025793	0	157.08199	up	Inf	3.05E-45	1.16E-44
TCONS_00043522	0	156.82759	up	Inf	3.05E-45	1.16E-44
TCONS_00012267	86.291998	156.80148	up	0.861640513	1.13E-10	1.32E-10
TCONS_00012898	5.5284114	156.75957	up	4.825544714	3.71E-41	1.23E-40
TCONS_00012221	0	156.70659	up	Inf	3.05E-45	1.16E-44
TCONS_00072503	1.6642623	156.58698	up	6.555937655	7.74E-44	2.80E-43
TCONS_00072491	0	156.28055	up	Inf	5.77E-45	2.18E-44
TCONS_00054457	0	156.2382	up	Inf	5.77E-45	2.18E-44
TCONS_00088992	4.3136484	155.67318	up	5.173468018	3.36E-42	1.16E-41
TCONS_00055325	0	155.67318	up	Inf	5.77E-45	2.18E-44
TCONS_00081580	0	155.64911	up	Inf	5.77E-45	2.18E-44
TCONS_00096643	138.27939	154.97821	up	0.164479235	0.002332	0.0024736
TCONS_00043832	13.360328	154.97821	up	3.536038097	2.67E-36	7.45E-36
TCONS_00039968	7.0731146	154.97821	up	4.453575937	5.83E-40	1.86E-39
TCONS_00012435	0	154.97821	up	Inf	1.09E-44	4.09E-44
TCONS_00065007	0	154.97821	up	Inf	1.09E-44	4.09E-44
TCONS_00073118	0	154.97821	up	Inf	1.09E-44	4.09E-44
TCONS_00096822	0	154.97821	up	Inf	1.09E-44	4.09E-44
TCONS_00018586	0	154.643	up	Inf	1.09E-44	4.09E-44
TCONS_00035781	0	154.4564	up	Inf	2.06E-44	7.68E-44
TCONS_00043530	0	154.41052	up	Inf	2.06E-44	7.68E-44
TCONS_00064760	7.4859423	154.37518	up	4.366113096	1.10E-39	3.49E-39
TCONS_00081001	0	154.37518	up	Inf	2.06E-44	7.68E-44
TCONS_00096439	0	154.33515	up	Inf	2.06E-44	7.68E-44
TCONS_00064276	0	153.75147	up	Inf	2.06E-44	7.68E-44
TCONS_00096679	0	153.6974	up	Inf	2.06E-44	7.68E-44
TCONS_00055610	0	153.44377	up	Inf	3.91E-44	1.44E-43

TCONS_00026082	3. 602785	153. 23688	up	5. 410507215	2. 27E-41	7. 64E-41
TCONS_00012793	0	153. 1831	up	Inf	3. 91E-44	1. 44E-43
TCONS_00025872	0	153. 111	up	Inf	3. 91E-44	1. 44E-43
TCONS_00026001	0	153. 10196	up	Inf	3. 91E-44	1. 44E-43
TCONS_00102597	76. 005419	153. 0649	up	1. 009969286	4. 16E-12	4. 99E-12
TCONS_00096633	0	152. 9862	up	Inf	3. 91E-44	1. 44E-43
TCONS_00096823	0	152. 94438	up	Inf	3. 91E-44	1. 44E-43
TCONS_00043425	2. 1568242	152. 8933	up	6. 147472809	9. 91E-43	3. 47E-42
TCONS_00102737	0	152. 85522	up	Inf	3. 91E-44	1. 44E-43
TCONS_00081213	0	152. 79542	up	Inf	3. 91E-44	1. 44E-43
TCONS_00044046	0	152. 59393	up	Inf	3. 91E-44	1. 44E-43
TCONS_00044184	0	152. 59393	up	Inf	3. 91E-44	1. 44E-43
TCONS_00081436	0	152. 41894	up	Inf	7. 39E-44	2. 68E-43
TCONS_00055348	0	152. 16042	up	Inf	7. 39E-44	2. 68E-43
TCONS_00089450	0	152. 05409	up	Inf	7. 39E-44	2. 68E-43
TCONS_00043397	0	152. 00928	up	Inf	7. 39E-44	2. 68E-43
TCONS_00054951	0	152. 00928	up	Inf	7. 39E-44	2. 68E-43
TCONS_00081374	0	152. 00928	up	Inf	7. 39E-44	2. 68E-43
TCONS_00043765	0	151. 95635	up	Inf	7. 39E-44	2. 68E-43
TCONS_00064817	0	151. 6808	up	Inf	7. 39E-44	2. 68E-43
TCONS_00019003	0	151. 34022	up	Inf	1. 40E-43	5. 03E-43
TCONS_00072875	0	151. 2706	up	Inf	1. 40E-43	5. 03E-43
TCONS_00043854	0	151. 19825	up	Inf	1. 40E-43	5. 03E-43
TCONS_00072676	0	151. 19825	up	Inf	1. 40E-43	5. 03E-43
TCONS_00055340	0	151. 0712	up	Inf	1. 40E-43	5. 03E-43
TCONS_00055503	0	150. 55026	up	Inf	1. 40E-43	5. 03E-43
TCONS_00032706	0	150. 46428	up	Inf	2. 65E-43	9. 43E-43
TCONS_00096357	4. 323342	150. 45076	up	5. 121000598	1. 53E-40	5. 00E-40
TCONS_00072559	0	150. 1519	up	Inf	2. 65E-43	9. 43E-43
TCONS_00018767	0	150. 13514	up	Inf	2. 65E-43	9. 43E-43
TCONS_00026065	1. 2254058	150. 0426	up	6. 935968704	1. 35E-42	4. 72E-42
TCONS_00102285	0	149. 97891	up	Inf	2. 65E-43	9. 43E-43
TCONS_00033189	59. 135876	149. 89696	up	1. 34186555	7. 27E-16	9. 42E-16
TCONS_00018786	0	149. 63413	up	Inf	2. 65E-43	9. 43E-43
TCONS_00054555	0	149. 48253	up	Inf	5. 01E-43	1. 77E-42
TCONS_00064271	0	149. 44327	up	Inf	5. 01E-43	1. 77E-42
TCONS_00033161	0	149. 23828	up	Inf	5. 01E-43	1. 77E-42
TCONS_00011777	0	149. 01751	up	Inf	5. 01E-43	1. 77E-42
TCONS_00018797	4. 2753048	148. 77908	up	5. 121000598	2. 90E-40	9. 37E-40
TCONS_00026318	2. 9598264	148. 77908	up	5. 651515315	6. 14E-41	2. 02E-40
TCONS_00064751	0	148. 59334	up	Inf	5. 01E-43	1. 77E-42
TCONS_00043323	0	148. 55054	up	Inf	5. 01E-43	1. 77E-42
TCONS_00054671	0	148. 55054	up	Inf	5. 01E-43	1. 77E-42
TCONS_00081007	0	148. 33129	up	Inf	9. 48E-43	3. 33E-42
TCONS_00072889	0	148. 12077	up	Inf	9. 48E-43	3. 33E-42
TCONS_00032666	0	148. 00687	up	Inf	9. 48E-43	3. 33E-42
TCONS_00055631	0	147. 93375	up	Inf	9. 48E-43	3. 33E-42
TCONS_00013094	0	147. 86912	up	Inf	9. 48E-43	3. 33E-42
TCONS_00081726	0	147. 86912	up	Inf	9. 48E-43	3. 33E-42

TCONS_00054452	0	147.5983	up	Inf	9.48E-43	3.33E-42
TCONS_00072897	0	147.5983	up	Inf	9.48E-43	3.33E-42
TCONS_00033101	0	147.30602	up	Inf	1.79E-42	6.24E-42
TCONS_00081284	0	147.03061	up	Inf	1.79E-42	6.24E-42
TCONS_00013024	0	146.75488	up	Inf	1.79E-42	6.24E-42
TCONS_00064744	0	146.69693	up	Inf	1.79E-42	6.24E-42
TCONS_00054569	0	146.58038	up	Inf	1.79E-42	6.24E-42
TCONS_00081755	95.839398	146.40008	up	0.611225594	3.49E-07	3.89E-07
TCONS_00064148	0	146.40008	up	Inf	3.40E-42	1.17E-41
TCONS_00012587	0	146.18032	up	Inf	3.40E-42	1.17E-41
TCONS_00081594	0	146.15831	up	Inf	3.40E-42	1.17E-41
TCONS_00012339	0	145.86184	up	Inf	3.40E-42	1.17E-41
TCONS_00013028	0	145.86184	up	Inf	3.40E-42	1.17E-41
TCONS_00072701	0	145.86184	up	Inf	3.40E-42	1.17E-41
TCONS_00043631	100.89101	145.72996	up	0.530499914	1.93E-06	2.13E-06
TCONS_00102811	0	145.58559	up	Inf	3.40E-42	1.17E-41
TCONS_00054548	0	145.462	up	Inf	6.43E-42	2.19E-41
TCONS_00096406	1.3586774	145.3468	up	6.741152527	3.28E-41	1.09E-40
TCONS_00043833	0	145.16193	up	Inf	6.43E-42	2.19E-41
TCONS_00072916	0	144.91469	up	Inf	6.43E-42	2.19E-41
TCONS_00088989	0	144.64633	up	Inf	6.43E-42	2.19E-41
TCONS_00025970	0	144.44571	up	Inf	1.22E-41	4.11E-41
TCONS_00081142	0	144.24565	up	Inf	1.22E-41	4.11E-41
TCONS_00018840	4.6583225	144.09596	up	4.951075596	3.21E-38	9.56E-38
TCONS_00055526	0	143.74791	up	Inf	1.22E-41	4.11E-41
TCONS_00096735	0	143.74791	up	Inf	1.22E-41	4.11E-41
TCONS_00018972	69.433522	143.55876	up	1.047937136	4.57E-12	5.48E-12
TCONS_00012747	0	143.47328	up	Inf	2.30E-41	7.69E-41
TCONS_00089486	0	143.35484	up	Inf	2.30E-41	7.69E-41
TCONS_00060508	36.202178	143.31318	up	1.985022928	4.81E-22	7.64E-22
TCONS_00054633	0	143.26875	up	Inf	2.30E-41	7.69E-41
TCONS_00064979	0	143.26875	up	Inf	2.30E-41	7.69E-41
TCONS_00072422	0	143.18197	up	Inf	2.30E-41	7.69E-41
TCONS_00054571	0	143.05681	up	Inf	2.30E-41	7.69E-41
TCONS_00081091	0	143.05681	up	Inf	2.30E-41	7.69E-41
TCONS_00043791	0	142.92897	up	Inf	2.30E-41	7.69E-41
TCONS_00012991	5.993418	142.90826	up	4.575566461	2.70E-37	7.87E-37
TCONS_00043309	0	142.86057	up	Inf	2.30E-41	7.69E-41
TCONS_00081103	0	142.69094	up	Inf	2.30E-41	7.69E-41
TCONS_00089047	0	142.5087	up	Inf	2.30E-41	7.69E-41
TCONS_00096879	0	142.38281	up	Inf	4.36E-41	1.44E-40
TCONS_00043056	0	142.37233	up	Inf	4.36E-41	1.44E-40
TCONS_00064192	0	142.31995	up	Inf	4.36E-41	1.44E-40
TCONS_00054881	0	142.11441	up	Inf	4.36E-41	1.44E-40
TCONS_00054606	0	142.10036	up	Inf	4.36E-41	1.44E-40
TCONS_00012064	0	141.82508	up	Inf	4.36E-41	1.44E-40
TCONS_00013104	3.1436065	141.81013	up	5.495396113	5.32E-39	1.65E-38
TCONS_00072910	0	141.53261	up	Inf	4.36E-41	1.44E-40
TCONS_00043800	0	141.45662	up	Inf	8.25E-41	2.70E-40

TCONS_00102586	0	141.38363	up	Inf	8.25E-41	2.70E-40
TCONS_00044003	0	141.16827	up	Inf	8.25E-41	2.70E-40
TCONS_00081109	0	141.16827	up	Inf	8.25E-41	2.70E-40
TCONS_00089034	0	141.16827	up	Inf	8.25E-41	2.70E-40
TCONS_00096585	0	141.16827	up	Inf	8.25E-41	2.70E-40
TCONS_00102499	0	141.16827	up	Inf	8.25E-41	2.70E-40
TCONS_00042987	52.46965	140.88928	up	1.425006785	5.02E-16	6.51E-16
TCONS_00096661	0	140.88928	up	Inf	8.25E-41	2.70E-40
TCONS_00026019	67.06778	140.77702	up	1.069720093	5.59E-12	6.70E-12
TCONS_00012102	0	140.76623	up	Inf	8.25E-41	2.70E-40
TCONS_00033158	0	140.47286	up	Inf	1.56E-40	5.07E-40
TCONS_00044040	0	140.47286	up	Inf	1.56E-40	5.07E-40
TCONS_00096967	0	140.47286	up	Inf	1.56E-40	5.07E-40
TCONS_00055472	0	140.25177	up	Inf	1.56E-40	5.07E-40
TCONS_00081777	0	140.23735	up	Inf	1.56E-40	5.07E-40
TCONS_00089210	13.742051	140.21838	up	3.351006203	1.16E-31	2.73E-31
TCONS_00089662	0	140.15421	up	Inf	1.56E-40	5.07E-40
TCONS_00054912	2.7173548	140.0933	up	5.688041191	1.90E-38	5.72E-38
TCONS_00054627	0	139.69867	up	Inf	1.56E-40	5.07E-40
TCONS_00018874	2.5789372	139.60504	up	5.758430519	1.90E-38	5.72E-38
TCONS_00064597	0	139.36025	up	Inf	2.96E-40	9.52E-40
TCONS_00012198	0	139.23176	up	Inf	2.96E-40	9.52E-40
TCONS_00043583	0	139.23176	up	Inf	2.96E-40	9.52E-40
TCONS_00032641	0	139.10239	up	Inf	2.96E-40	9.52E-40
TCONS_00064961	26.945199	138.91604	up	2.366113096	7.55E-25	1.33E-24
TCONS_00054645	0	138.91604	up	Inf	2.96E-40	9.52E-40
TCONS_00043331	21.208205	138.62618	up	2.708505293	1.08E-27	2.13E-27
TCONS_00011956	0	138.54786	up	Inf	2.96E-40	9.52E-40
TCONS_00026072	6.6112961	138.4685	up	4.388480909	2.80E-35	7.48E-35
TCONS_00043152	0	138.42714	up	Inf	5.60E-40	1.79E-39
TCONS_00081658	0	138.34965	up	Inf	5.60E-40	1.79E-39
TCONS_00089629	0	138.21008	up	Inf	5.60E-40	1.79E-39
TCONS_00102645	1.3231686	138.13739	up	6.705963099	2.85E-39	8.95E-39
TCONS_00026261	39.905957	138.05919	up	1.790610924	2.45E-19	3.51E-19
TCONS_00096549	0	138.05919	up	Inf	5.60E-40	1.79E-39
TCONS_00064500	106.88262	137.75841	up	0.366113096	0.000112	0.0001204
TCONS_00043536	0	137.75841	up	Inf	5.60E-40	1.79E-39
TCONS_00055008	0	137.75841	up	Inf	5.60E-40	1.79E-39
TCONS_00064712	0	137.75841	up	Inf	5.60E-40	1.79E-39
TCONS_00072739	0	137.75841	up	Inf	5.60E-40	1.79E-39
TCONS_00073034	0	137.75841	up	Inf	5.60E-40	1.79E-39
TCONS_00089579	1.2707313	137.57643	up	6.758430519	2.85E-39	8.95E-39
TCONS_00055453	0	137.26641	up	Inf	1.06E-39	3.36E-39
TCONS_00025991	55.333038	137.14886	up	1.309529567	2.64E-14	3.31E-14
TCONS_00072562	2.1495946	137.14273	up	5.995469716	2.68E-38	7.99E-38
TCONS_00089610	0	136.8461	up	Inf	1.06E-39	3.36E-39
TCONS_00102661	0	136.54468	up	Inf	1.06E-39	3.36E-39
TCONS_00064534	0	136.38082	up	Inf	2.01E-39	6.31E-39
TCONS_00081644	0	136.01463	up	Inf	2.01E-39	6.31E-39

TCONS_00033049	0	135.79043 up	Inf	2.01E-39	6.31E-39
TCONS_00073129	0	135.74734 up	Inf	2.01E-39	6.31E-39
TCONS_00031705	19.472542	135.5275 up	2.799072503	6.55E-28	1.31E-27
TCONS_00064326	0	135.5275 up	Inf	2.01E-39	6.31E-39
TCONS_00076140	43.112318	135.44314 up	1.651515315	1.37E-17	1.84E-17
TCONS_00026125	0	135.25371 up	Inf	3.80E-39	1.18E-38
TCONS_00043074	0	135.03052 up	Inf	3.80E-39	1.18E-38
TCONS_00043678	0	135.03052 up	Inf	3.80E-39	1.18E-38
TCONS_00055227	0	134.96837 up	Inf	3.80E-39	1.18E-38
TCONS_00055397	0	134.85823 up	Inf	3.80E-39	1.18E-38
TCONS_00032634	0	134.66271 up	Inf	3.80E-39	1.18E-38
TCONS_00102355	0	134.59881 up	Inf	3.80E-39	1.18E-38
TCONS_00072865	0	134.52654 up	Inf	3.80E-39	1.18E-38
TCONS_00012857	0	134.36534 up	Inf	7.19E-39	2.19E-38
TCONS_00018864	0	134.36534 up	Inf	7.19E-39	2.19E-38
TCONS_00043873	0	134.36534 up	Inf	7.19E-39	2.19E-38
TCONS_00081269	0	134.36534 up	Inf	7.19E-39	2.19E-38
TCONS_00081711	0	134.36534 up	Inf	7.19E-39	2.19E-38
TCONS_00032763	128.0606	134.34644 up	0.069131358	0.021098	0.0218846
TCONS_00043320	2.9781535	134.34644 up	5.495396113	8.72E-37	2.48E-36
TCONS_00043174	0	134.31445 up	Inf	7.19E-39	2.19E-38
TCONS_00032646	30.921128	134.3008 up	2.118803042	7.28E-22	1.14E-21
TCONS_00064123	0	134.28842 up	Inf	7.19E-39	2.19E-38
TCONS_00081438	0	134.10359 up	Inf	7.19E-39	2.19E-38
TCONS_00096800	0	133.91845 up	Inf	7.19E-39	2.19E-38
TCONS_00042975	0	133.82245 up	Inf	7.19E-39	2.19E-38
TCONS_00012618	0	133.79414 up	Inf	7.19E-39	2.19E-38
TCONS_00089207	0	133.75713 up	Inf	7.19E-39	2.19E-38
TCONS_00033060	0	133.70669 up	Inf	7.19E-39	2.19E-38
TCONS_00055407	0	133.70669 up	Inf	7.19E-39	2.19E-38
TCONS_00081003	0	133.70669 up	Inf	7.19E-39	2.19E-38
TCONS_00102600	0	133.70669 up	Inf	7.19E-39	2.19E-38
TCONS_00013081	0	133.67393 up	Inf	7.19E-39	2.19E-38
TCONS_00018784	0	133.63391 up	Inf	7.19E-39	2.19E-38
TCONS_00019080	24.178115	133.55393 up	2.465648769	6.06E-25	1.07E-24
TCONS_00013134	0	133.51969 up	Inf	7.19E-39	2.19E-38
TCONS_00081311	6.0882506	133.39897 up	4.453575937	1.55E-34	4.05E-34
TCONS_00096448	0	133.3677 up	Inf	1.36E-38	4.11E-38
TCONS_00081216	131.6014	133.27116 up	0.018189792	0.044878	0.046185
TCONS_00012519	0	133.25229 up	Inf	1.36E-38	4.11E-38
TCONS_00102697	0	133.25229 up	Inf	1.36E-38	4.11E-38
TCONS_00072700	0	133.235 up	Inf	1.36E-38	4.11E-38
TCONS_00089444	0	133.16646 up	Inf	1.36E-38	4.11E-38
TCONS_00025853	0	133.02851 up	Inf	1.36E-38	4.11E-38
TCONS_00055245	0	132.94168 up	Inf	1.36E-38	4.11E-38
TCONS_00064412	2.6427022	132.83847 up	5.651515315	1.65E-36	4.66E-36
TCONS_00055408	10.712067	132.54261 up	3.629147502	1.77E-31	4.12E-31
TCONS_00055136	0	132.50045 up	Inf	1.36E-38	4.11E-38
TCONS_00055393	0	132.48797 up	Inf	2.58E-38	7.69E-38

TCONS_00043136	0	132.40857	up	Inf	2.58E-38	7.69E-38
TCONS_00054659	0	132.40857	up	Inf	2.58E-38	7.69E-38
TCONS_00064581	0	132.17758	up	Inf	2.58E-38	7.69E-38
TCONS_00054414	0	132.14443	up	Inf	2.58E-38	7.69E-38
TCONS_00043357	0	131.89635	up	Inf	2.58E-38	7.69E-38
TCONS_00012480	9.2791986	131.55707	up	3.825544714	2.15E-32	5.17E-32
TCONS_00033085	63.866207	131.53524	up	1.042324659	5.25E-11	6.19E-11
TCONS_00025844	0	131.00045	up	Inf	4.88E-38	1.44E-37
TCONS_00018806	0	130.64279	up	Inf	4.88E-38	1.44E-37
TCONS_00043250	0	130.50797	up	Inf	4.88E-38	1.44E-37
TCONS_00043371	0	130.50797	up	Inf	4.88E-38	1.44E-37
TCONS_00102445	0	130.50797	up	Inf	4.88E-38	1.44E-37
TCONS_00011974	0	130.31201	up	Inf	9.23E-38	2.72E-37
TCONS_00072939	0	130.28677	up	Inf	9.23E-38	2.72E-37
TCONS_00033155	0	130.21	up	Inf	9.23E-38	2.72E-37
TCONS_00054522	3.8788048	129.98172	up	5.066552814	5.21E-35	1.39E-34
TCONS_00043463	0	129.8865	up	Inf	9.23E-38	2.72E-37
TCONS_00064739	0	129.8865	up	Inf	9.23E-38	2.72E-37
TCONS_00012327	0	129.82468	up	Inf	9.23E-38	2.72E-37
TCONS_00102280	4.785789	129.53403	up	4.758430519	2.36E-34	6.14E-34
TCONS_00102770	0	129.37311	up	Inf	1.75E-37	5.10E-37
TCONS_00032821	110.14621	129.34568	up	0.231812004	0.002043	0.0021691
TCONS_00054794	0	129.06703	up	Inf	1.75E-37	5.10E-37
TCONS_00018747	0	128.94187	up	Inf	1.75E-37	5.10E-37
TCONS_00081539	0	128.94187	up	Inf	1.75E-37	5.10E-37
TCONS_00081367	1.1631724	128.92988	up	6.79237785	8.91E-37	2.54E-36
TCONS_00026235	0	128.89277	up	Inf	1.75E-37	5.10E-37
TCONS_00043138	0	128.87077	up	Inf	1.75E-37	5.10E-37
TCONS_00043756	0	128.81306	up	Inf	1.75E-37	5.10E-37
TCONS_00034744	9.5006774	128.57452	up	3.758430519	5.63E-31	1.29E-30
TCONS_00012652	0	128.41052	up	Inf	3.31E-37	9.56E-37
TCONS_00044112	12.438926	128.25783	up	3.366113096	1.53E-29	3.27E-29
TCONS_00012739	0	128.25783	up	Inf	3.31E-37	9.56E-37
TCONS_00081590	0	128.19468	up	Inf	3.31E-37	9.56E-37
TCONS_00012977	0	128.12788	up	Inf	3.31E-37	9.56E-37
TCONS_00032652	0	128.11532	up	Inf	3.31E-37	9.56E-37
TCONS_00055501	0	128.06991	up	Inf	3.31E-37	9.56E-37
TCONS_00096937	0	128.05711	up	Inf	3.31E-37	9.56E-37
TCONS_00089248	0	127.91852	up	Inf	3.31E-37	9.56E-37
TCONS_00018798	0	127.8744	up	Inf	3.31E-37	9.56E-37
TCONS_00043403	1.0894038	127.77365	up	6.873907736	1.69E-36	4.76E-36
TCONS_00081814	0	127.62911	up	Inf	3.31E-37	9.56E-37
TCONS_00096764	0	127.62911	up	Inf	3.31E-37	9.56E-37
TCONS_00096776	0	127.62911	up	Inf	3.31E-37	9.56E-37
TCONS_00043766	0	127.45871	up	Inf	6.27E-37	1.79E-36
TCONS_00032850	0	127.37935	up	Inf	6.27E-37	1.79E-36
TCONS_00012523	0	127.00653	up	Inf	6.27E-37	1.79E-36
TCONS_00043898	0	126.91129	up	Inf	6.27E-37	1.79E-36
TCONS_00072638	0	126.91129	up	Inf	6.27E-37	1.79E-36

TCONS_00032771	0	126.86588	up	Inf	6.27E-37	1.79E-36
TCONS_00011840	0	126.84685	up	Inf	6.27E-37	1.79E-36
TCONS_00088987	7.021486	126.69751	up	4.173468018	2.98E-32	7.17E-32
TCONS_00010337	34.273525	126.63303	up	1.885487255	5.74E-19	8.14E-19
TCONS_00043981	0	126.51282	up	Inf	6.27E-37	1.79E-36
TCONS_00102605	0	126.39	up	Inf	1.19E-36	3.35E-36
TCONS_00064766	0	126.37342	up	Inf	1.19E-36	3.35E-36
TCONS_00013114	0	126.17695	up	Inf	1.19E-36	3.35E-36
TCONS_00102400	0	126.17695	up	Inf	1.19E-36	3.35E-36
TCONS_00102626	0	125.99854	up	Inf	1.19E-36	3.35E-36
TCONS_00012089	0	125.95055	up	Inf	1.19E-36	3.35E-36
TCONS_00081743	0	125.9198	up	Inf	1.19E-36	3.35E-36
TCONS_00089017	0	125.9198	up	Inf	1.19E-36	3.35E-36
TCONS_00025806	26.438196	125.81741	up	2.250635878	5.36E-22	8.50E-22
TCONS_00013149	0	125.77942	up	Inf	1.19E-36	3.35E-36
TCONS_00054724	0	125.55197	up	Inf	1.19E-36	3.35E-36
TCONS_00013157	0	125.48843	up	Inf	2.25E-36	6.29E-36
TCONS_00089430	0	125.41589	up	Inf	2.25E-36	6.29E-36
TCONS_00018626	0	125.37563	up	Inf	2.25E-36	6.29E-36
TCONS_00072456	0	125.12002	up	Inf	2.25E-36	6.29E-36
TCONS_00025777	0	125.02444	up	Inf	2.25E-36	6.29E-36
TCONS_00064833	0	125.02444	up	Inf	2.25E-36	6.29E-36
TCONS_00054961	0	124.94367	up	Inf	2.25E-36	6.29E-36
TCONS_00011902	0	124.84356	up	Inf	2.25E-36	6.29E-36
TCONS_00018723	0	124.74632	up	Inf	2.25E-36	6.29E-36
TCONS_00043072	2.6139771	124.65639	up	5.575566461	2.71E-34	7.04E-34
TCONS_00088957	0	124.6056	up	Inf	2.25E-36	6.29E-36
TCONS_00081758	0	124.57579	up	Inf	2.25E-36	6.29E-36
TCONS_00012549	0	124.52398	up	Inf	2.25E-36	6.29E-36
TCONS_00072944	0	124.44347	up	Inf	4.26E-36	1.17E-35
TCONS_00055356	0	124.35941	up	Inf	4.26E-36	1.17E-35
TCONS_00043859	0	124.32792	up	Inf	4.26E-36	1.17E-35
TCONS_00012487	0	123.98257	up	Inf	4.26E-36	1.17E-35
TCONS_00043375	0	123.98257	up	Inf	4.26E-36	1.17E-35
TCONS_00055281	0	123.98257	up	Inf	4.26E-36	1.17E-35
TCONS_00096795	0	123.98257	up	Inf	4.26E-36	1.17E-35
TCONS_00073124	1.4983545	123.59633	up	6.366113096	2.17E-35	5.82E-35
TCONS_00072729	0	123.59633	up	Inf	4.26E-36	1.17E-35
TCONS_00055555	0	123.46812	up	Inf	8.06E-36	2.20E-35
TCONS_00081088	8.3285159	123.44585	up	3.889675052	1.55E-30	3.47E-30
TCONS_00012849	6.2463869	123.44585	up	4.304712551	8.85E-32	2.08E-31
TCONS_00012351	9.1179487	123.39497	up	3.758430519	6.24E-30	1.36E-29
TCONS_00026042	0	123.24677	up	Inf	8.06E-36	2.20E-35
TCONS_00043786	0	123.22811	up	Inf	8.06E-36	2.20E-35
TCONS_00043883	0	123.21249	up	Inf	8.06E-36	2.20E-35
TCONS_00081281	110.11449	123.17923	up	0.161754597	0.007351	0.0077209
TCONS_00033147	1.8733079	123.13751	up	6.038538438	2.03E-34	5.28E-34
TCONS_00102469	0	123.13337	up	Inf	8.06E-36	2.20E-35
TCONS_00043363	0	122.98539	up	Inf	8.06E-36	2.20E-35

TCONS_00072603	0	122.89817	up	Inf	8.06E-36	2.20E-35
TCONS_00102413	0	122.81292	up	Inf	8.06E-36	2.20E-35
TCONS_00011861	0	122.75502	up	Inf	8.06E-36	2.20E-35
TCONS_00018690	0	122.75502	up	Inf	8.06E-36	2.20E-35
TCONS_00025994	0	122.75502	up	Inf	8.06E-36	2.20E-35
TCONS_00054878	0	122.62012	up	Inf	8.06E-36	2.20E-35
TCONS_00012412	0	122.56832	up	Inf	8.06E-36	2.20E-35
TCONS_00018663	0	122.45192	up	Inf	1.53E-35	4.12E-35
TCONS_00012825	0	122.38623	up	Inf	1.53E-35	4.12E-35
TCONS_00018898	0	122.38623	up	Inf	1.53E-35	4.12E-35
TCONS_00081391	0	122.38623	up	Inf	1.53E-35	4.12E-35
TCONS_00011892	0	122.15031	up	Inf	1.53E-35	4.12E-35
TCONS_00012736	0	122.15031	up	Inf	1.53E-35	4.12E-35
TCONS_00026279	0	122.15031	up	Inf	1.53E-35	4.12E-35
TCONS_00064732	0	122.15031	up	Inf	1.53E-35	4.12E-35
TCONS_00081086	65.587063	122.10404	up	0.896627812	8.89E-09	1.01E-08
TCONS_00011890	0	122.03009	up	Inf	1.53E-35	4.12E-35
TCONS_00018741	0	121.80744	up	Inf	1.53E-35	4.12E-35
TCONS_00018902	0	121.55154	up	Inf	1.53E-35	4.12E-35
TCONS_00044141	0	121.55154	up	Inf	1.53E-35	4.12E-35
TCONS_00064661	0	121.55154	up	Inf	1.53E-35	4.12E-35
TCONS_00089082	0	121.55154	up	Inf	1.53E-35	4.12E-35
TCONS_00072516	0	121.28729	up	Inf	2.89E-35	7.71E-35
TCONS_00096544	84.381016	121.18597	up	0.522232298	1.62E-05	1.76E-05
TCONS_00089196	0	120.9586	up	Inf	2.89E-35	7.71E-35
TCONS_00102284	35.848829	120.64556	up	1.750776946	8.20E-17	1.08E-16
TCONS_00064413	0	120.63169	up	Inf	2.89E-35	7.71E-35
TCONS_00102604	0	120.53861	up	Inf	2.89E-35	7.71E-35
TCONS_00072784	2.5247863	120.40302	up	5.575566461	6.57E-33	1.61E-32
TCONS_00096940	0	120.37143	up	Inf	5.48E-35	1.45E-34
TCONS_00102816	0	120.37143	up	Inf	5.48E-35	1.45E-34
TCONS_00043155	0	120.32064	up	Inf	5.48E-35	1.45E-34
TCONS_00072774	0	120.32064	up	Inf	5.48E-35	1.45E-34
TCONS_00043718	0	119.81509	up	Inf	5.48E-35	1.45E-34
TCONS_00102756	0	119.78992	up	Inf	5.48E-35	1.45E-34
TCONS_00032815	0	119.67429	up	Inf	5.48E-35	1.45E-34
TCONS_00025762	0	119.66146	up	Inf	5.48E-35	1.45E-34
TCONS_00032626	0	119.6323	up	Inf	5.48E-35	1.45E-34
TCONS_00013031	0	119.55462	up	Inf	5.48E-35	1.45E-34
TCONS_00043762	0	119.21401	up	Inf	1.04E-34	2.72E-34
TCONS_00064314	0	119.12916	up	Inf	1.04E-34	2.72E-34
TCONS_00064265	0	119.09656	up	Inf	1.04E-34	2.72E-34
TCONS_00064502	0	118.95982	up	Inf	1.04E-34	2.72E-34
TCONS_00043563	0	118.81663	up	Inf	1.04E-34	2.72E-34
TCONS_00054593	0	118.70671	up	Inf	1.04E-34	2.72E-34
TCONS_00025847	0	118.32361	up	Inf	1.96E-34	5.13E-34
TCONS_00055067	0	118.27284	up	Inf	1.96E-34	5.13E-34
TCONS_00025741	0	118.07864	up	Inf	1.96E-34	5.13E-34
TCONS_00081219	0	117.53699	up	Inf	1.96E-34	5.13E-34

TCONS_00055122	0	117.37995 up	Inf	3.72E-34	9.61E-34
TCONS_00043917	0	117.32366 up	Inf	3.72E-34	9.61E-34
TCONS_00018674	0	117.11708 up	Inf	3.72E-34	9.61E-34
TCONS_00019029	0	116.96469 up	Inf	3.72E-34	9.61E-34
TCONS_00055003	0	116.96469 up	Inf	3.72E-34	9.61E-34
TCONS_00032748	27.596742	116.86881 up	2.08232013	6.59E-19	9.33E-19
TCONS_00032788	0	116.86881 up	Inf	3.72E-34	9.61E-34
TCONS_00096773	1.5101155	116.78107 up	6.273003691	9.34E-33	2.28E-32
TCONS_00054975	0	116.75488 up	Inf	3.72E-34	9.61E-34
TCONS_00012879	0	116.68948 up	Inf	3.72E-34	9.61E-34
TCONS_00089603	0	116.61727 up	Inf	3.72E-34	9.61E-34
TCONS_00018794	0	116.49369 up	Inf	7.05E-34	1.80E-33
TCONS_00064543	2.9149806	116.46847 up	5.320309406	8.42E-32	1.98E-31
TCONS_00081559	0	116.41556 up	Inf	7.05E-34	1.80E-33
TCONS_00018679	0	116.37353 up	Inf	7.05E-34	1.80E-33
TCONS_00012785	0	116.15475 up	Inf	7.05E-34	1.80E-33
TCONS_00018882	70.778458	116.10408 up	0.714036399	7.53E-07	8.37E-07
TCONS_00055326	0	116.10408 up	Inf	7.05E-34	1.80E-33
TCONS_00011773	0	116.05674 up	Inf	7.05E-34	1.80E-33
TCONS_00032962	0	116.0428 up	Inf	7.05E-34	1.80E-33
TCONS_00033058	0	116.0428 up	Inf	7.05E-34	1.80E-33
TCONS_00072367	0	116.0428 up	Inf	7.05E-34	1.80E-33
TCONS_00072724	0	116.0428 up	Inf	7.05E-34	1.80E-33
TCONS_00089365	0	116.0428 up	Inf	7.05E-34	1.80E-33
TCONS_00096444	0	116.0428 up	Inf	7.05E-34	1.80E-33
TCONS_00018587	0	115.91866 up	Inf	7.05E-34	1.80E-33
TCONS_00032732	0	115.91866 up	Inf	7.05E-34	1.80E-33
TCONS_00081102	0	115.51171 up	Inf	7.05E-34	1.80E-33
TCONS_00032855	0	115.47396 up	Inf	1.34E-33	3.37E-33
TCONS_00043119	0	115.47396 up	Inf	1.34E-33	3.37E-33
TCONS_00055546	0	115.47396 up	Inf	1.34E-33	3.37E-33
TCONS_00064218	0	115.47396 up	Inf	1.34E-33	3.37E-33
TCONS_00072593	2.4856423	115.33262 up	5.536038097	3.35E-32	7.99E-32
TCONS_00026084	0	115.33262 up	Inf	1.34E-33	3.37E-33
TCONS_00081629	0	115.33262 up	Inf	1.34E-33	3.37E-33
TCONS_00054895	0	115.12667 up	Inf	1.34E-33	3.37E-33
TCONS_00043841	0	114.86123 up	Inf	1.34E-33	3.37E-33
TCONS_00055071	0	114.79867 up	Inf	1.34E-33	3.37E-33
TCONS_00055527	0	114.73014 up	Inf	1.34E-33	3.37E-33
TCONS_00096552	0	114.69753 up	Inf	1.34E-33	3.37E-33
TCONS_00073093	0	114.60574 up	Inf	1.34E-33	3.37E-33
TCONS_00043406	0	114.52205 up	Inf	1.34E-33	3.37E-33
TCONS_00012705	0	114.37506 up	Inf	2.53E-33	6.29E-33
TCONS_00012018	0	114.35285 up	Inf	2.53E-33	6.29E-33
TCONS_00018799	0	114.35285 up	Inf	2.53E-33	6.29E-33
TCONS_00025998	0	114.35285 up	Inf	2.53E-33	6.29E-33
TCONS_00043082	0	114.35285 up	Inf	2.53E-33	6.29E-33
TCONS_00044038	0	114.35285 up	Inf	2.53E-33	6.29E-33
TCONS_00055386	0	114.35285 up	Inf	2.53E-33	6.29E-33

TCONS_00089133	0	114.31017	up	Inf	2.53E-33	6.29E-33
TCONS_00018716	0	114.19447	up	Inf	2.53E-33	6.29E-33
TCONS_00096442	0	114.19447	up	Inf	2.53E-33	6.29E-33
TCONS_00064790	0	114.12621	up	Inf	2.53E-33	6.29E-33
TCONS_00081425	0	114.09439	up	Inf	2.53E-33	6.29E-33
TCONS_00012043	3.5365573	113.95457	up	5.009969286	1.39E-30	3.14E-30
TCONS_00011891	0	113.80042	up	Inf	2.53E-33	6.29E-33
TCONS_00089136	0	113.65069	up	Inf	2.53E-33	6.29E-33
TCONS_00096831	0	113.62284	up	Inf	2.53E-33	6.29E-33
TCONS_00081411	0	113.54839	up	Inf	2.53E-33	6.29E-33
TCONS_00019116	0	113.53715	up	Inf	2.53E-33	6.29E-33
TCONS_00088958	0	113.53715	up	Inf	2.53E-33	6.29E-33
TCONS_00032830	0	113.51766	up	Inf	2.53E-33	6.29E-33
TCONS_00054445	0	113.50517	up	Inf	2.53E-33	6.29E-33
TCONS_00012418	0	113.4481	up	Inf	4.79E-33	1.18E-32
TCONS_00081046	0	113.37639	up	Inf	4.79E-33	1.18E-32
TCONS_00043741	0	113.25331	up	Inf	4.79E-33	1.18E-32
TCONS_00054830	0	113.17911	up	Inf	4.79E-33	1.18E-32
TCONS_00026128	0	113.04293	up	Inf	4.79E-33	1.18E-32
TCONS_00096529	18.303366	112.71143	up	2.622452849	2.33E-22	3.75E-22
TCONS_00025846	0	112.71143	up	Inf	4.79E-33	1.18E-32
TCONS_00096550	0	112.71143	up	Inf	4.79E-33	1.18E-32
TCONS_00064210	97.191192	112.41943	up	0.209993894	0.005583	0.0058882
TCONS_00044077	0	112.30305	up	Inf	9.08E-33	2.22E-32
TCONS_00064410	0	112.2861	up	Inf	9.08E-33	2.22E-32
TCONS_00064976	0	112.26768	up	Inf	9.08E-33	2.22E-32
TCONS_00025887	0	112.1119	up	Inf	9.08E-33	2.22E-32
TCONS_00072768	0	112.06459	up	Inf	9.08E-33	2.22E-32
TCONS_00012382	0	111.67547	up	Inf	9.08E-33	2.22E-32
TCONS_00064864	0	111.67021	up	Inf	9.08E-33	2.22E-32
TCONS_00055489	0	111.58431	up	Inf	9.08E-33	2.22E-32
TCONS_00072956	0	111.26641	up	Inf	1.72E-32	4.14E-32
TCONS_00096763	0	111.26641	up	Inf	1.72E-32	4.14E-32
TCONS_00054423	0	111.09549	up	Inf	1.72E-32	4.14E-32
TCONS_00096866	3.9103398	110.87872	up	4.825544714	9.38E-30	2.03E-29
TCONS_00018778	0	110.6306	up	Inf	1.72E-32	4.14E-32
TCONS_00064569	0	110.57905	up	Inf	1.72E-32	4.14E-32
TCONS_00012500	0	110.47952	up	Inf	3.26E-32	7.78E-32
TCONS_00032852	0	110.47952	up	Inf	3.26E-32	7.78E-32
TCONS_00043724	0	110.47952	up	Inf	3.26E-32	7.78E-32
TCONS_00054433	0	110.47952	up	Inf	3.26E-32	7.78E-32
TCONS_00055177	0	110.47952	up	Inf	3.26E-32	7.78E-32
TCONS_00081598	0	110.47952	up	Inf	3.26E-32	7.78E-32
TCONS_00018743	0	110.39544	up	Inf	3.26E-32	7.78E-32
TCONS_00012994	0	109.93528	up	Inf	3.26E-32	7.78E-32
TCONS_00096900	0	109.93528	up	Inf	3.26E-32	7.78E-32
TCONS_00064356	79.147257	109.85797	up	0.4730283	9.13E-05	9.86E-05
TCONS_00064322	0	109.71909	up	Inf	3.26E-32	7.78E-32
TCONS_00043154	0	109.64445	up	Inf	3.26E-32	7.78E-32

TCONS_00043666	3. 399094	109. 52524 up	5. 009969286	3. 87E-30	8. 54E-30
TCONS_00012230		0 109. 39638 up	Inf	6. 17E-32	1. 46E-31
TCONS_00043928		0 109. 27277 up	Inf	6. 17E-32	1. 46E-31
TCONS_00033063		0 109. 23574 up	Inf	6. 17E-32	1. 46E-31
TCONS_00043108		0 109. 04004 up	Inf	6. 17E-32	1. 46E-31
TCONS_00043845		0 108. 97307 up	Inf	6. 17E-32	1. 46E-31
TCONS_00012954		0 108. 95438 up	Inf	6. 17E-32	1. 46E-31
TCONS_00033150		0 108. 86274 up	Inf	6. 17E-32	1. 46E-31
TCONS_00089036		0 108. 86274 up	Inf	6. 17E-32	1. 46E-31
TCONS_00096705		0 108. 86274 up	Inf	6. 17E-32	1. 46E-31
TCONS_00072685		0 108. 83966 up	Inf	6. 17E-32	1. 46E-31
TCONS_00096765		0 108. 71123 up	Inf	6. 17E-32	1. 46E-31
TCONS_00018630		0 108. 66998 up	Inf	6. 17E-32	1. 46E-31
TCONS_00055079		0 108. 59787 up	Inf	6. 17E-32	1. 46E-31
TCONS_00064823		0 108. 51866 up	Inf	6. 17E-32	1. 46E-31
TCONS_00019163		0 108. 33428 up	Inf	1. 17E-31	2. 73E-31
TCONS_00064565		0 108. 33428 up	Inf	1. 17E-31	2. 73E-31
TCONS_00096390		0 108. 33428 up	Inf	1. 17E-31	2. 73E-31
TCONS_00081083	1. 5268946	108. 23875 up	6. 147472809	2. 92E-30	6. 46E-30
TCONS_00033071		0 108. 20297 up	Inf	1. 17E-31	2. 73E-31
TCONS_00054875		0 107. 81093 up	Inf	1. 17E-31	2. 73E-31
TCONS_00055273		0 107. 81093 up	Inf	1. 17E-31	2. 73E-31
TCONS_00064995		0 107. 81093 up	Inf	1. 17E-31	2. 73E-31
TCONS_00102452		0 107. 72256 up	Inf	1. 17E-31	2. 73E-31
TCONS_00081368		0 107. 56479 up	Inf	1. 17E-31	2. 73E-31
TCONS_00102565		0 107. 49934 up	Inf	2. 22E-31	5. 13E-31
TCONS_00072453		0 107. 42172 up	Inf	2. 22E-31	5. 13E-31
TCONS_00019047		0 107. 25136 up	Inf	2. 22E-31	5. 13E-31
TCONS_00054746		0 107. 14543 up	Inf	2. 22E-31	5. 13E-31
TCONS_00081155		0 107. 07585 up	Inf	2. 22E-31	5. 13E-31
TCONS_00064224		0 106. 96535 up	Inf	2. 22E-31	5. 13E-31
TCONS_00019030		0 106. 88152 up	Inf	2. 22E-31	5. 13E-31
TCONS_00089171		0 106. 77925 up	Inf	2. 22E-31	5. 13E-31
TCONS_00055165		0 106. 70631 up	Inf	2. 22E-31	5. 13E-31
TCONS_00081275		0 106. 70631 up	Inf	2. 22E-31	5. 13E-31
TCONS_00064737		0 106. 60921 up	Inf	2. 22E-31	5. 13E-31
TCONS_00102676		0 106. 44968 up	Inf	4. 20E-31	9. 64E-31
TCONS_00043191		0 106. 36574 up	Inf	4. 20E-31	9. 64E-31
TCONS_00081326		0 106. 27077 up	Inf	4. 20E-31	9. 64E-31
TCONS_00089611		0 106. 27077 up	Inf	4. 20E-31	9. 64E-31
TCONS_00043818		0 106. 18154 up	Inf	4. 20E-31	9. 64E-31
TCONS_00013151		0 106. 16244 up	Inf	4. 20E-31	9. 64E-31
TCONS_00089554	3. 4293889	106. 08134 up	4. 951075596	4. 96E-29	1. 05E-28
TCONS_00054533	5. 4759597	105. 86747 up	4. 273003691	1. 00E-27	1. 98E-27
TCONS_00096354		0 105. 78717 up	Inf	4. 20E-31	9. 64E-31
TCONS_00064887		0 105. 76712 up	Inf	4. 20E-31	9. 64E-31
TCONS_00043794		0 105. 69006 up	Inf	4. 20E-31	9. 64E-31
TCONS_00043570		0 105. 63537 up	Inf	4. 20E-31	9. 64E-31
TCONS_00012949		0 105. 56774 up	Inf	4. 20E-31	9. 64E-31

TCONS_00089359	0	105.30026	up	Inf	7.96E-31	1.81E-30
TCONS_00025974	0	105.26822	up	Inf	7.96E-31	1.81E-30
TCONS_00054446	0	105.26822	up	Inf	7.96E-31	1.81E-30
TCONS_00043245	0	105.22506	up	Inf	7.96E-31	1.81E-30
TCONS_00044199	0	105.06997	up	Inf	7.96E-31	1.81E-30
TCONS_00072667	0	104.98524	up	Inf	7.96E-31	1.81E-30
TCONS_00081299	3.1282718	104.83079	up	5.066552814	9.39E-29	1.96E-28
TCONS_00089095	0	104.66061	up	Inf	7.96E-31	1.81E-30
TCONS_00096627	0	104.62664	up	Inf	7.96E-31	1.81E-30
TCONS_00096954	0	104.62664	up	Inf	7.96E-31	1.81E-30
TCONS_00011894	0	104.59435	up	Inf	7.96E-31	1.81E-30
TCONS_00043821	0	104.56361	up	Inf	7.96E-31	1.81E-30
TCONS_00072959	0	104.56361	up	Inf	7.96E-31	1.81E-30
TCONS_00102412	0	104.56361	up	Inf	7.96E-31	1.81E-30
TCONS_00054792	0	104.40637	up	Inf	1.51E-30	3.38E-30
TCONS_00012419	0	104.34177	up	Inf	1.51E-30	3.38E-30
TCONS_00018641	0	104.34177	up	Inf	1.51E-30	3.38E-30
TCONS_00043006	0	104.34177	up	Inf	1.51E-30	3.38E-30
TCONS_00081449	0	104.34177	up	Inf	1.51E-30	3.38E-30
TCONS_00089074	0	104.34177	up	Inf	1.51E-30	3.38E-30
TCONS_00089640	0	104.34177	up	Inf	1.51E-30	3.38E-30
TCONS_00032801	0	104.2844	up	Inf	1.51E-30	3.38E-30
TCONS_00043165	0	104.2844	up	Inf	1.51E-30	3.38E-30
TCONS_00089122	0	104.2844	up	Inf	1.51E-30	3.38E-30
TCONS_00054411	0	104.23313	up	Inf	1.51E-30	3.38E-30
TCONS_00054491	0	104.07296	up	Inf	1.51E-30	3.38E-30
TCONS_00081172	0	104.07296	up	Inf	1.51E-30	3.38E-30
TCONS_00102363	0	104.07296	up	Inf	1.51E-30	3.38E-30
TCONS_00064679	0	104.01222	up	Inf	1.51E-30	3.38E-30
TCONS_00018832	0	103.93748	up	Inf	1.51E-30	3.38E-30
TCONS_00012494	0	103.82777	up	Inf	1.51E-30	3.38E-30
TCONS_00043541	0	103.82777	up	Inf	1.51E-30	3.38E-30
TCONS_00089041	0	103.82777	up	Inf	1.51E-30	3.38E-30
TCONS_00102793	0	103.82777	up	Inf	1.51E-30	3.38E-30
TCONS_00055121	0	103.73044	up	Inf	1.51E-30	3.38E-30
TCONS_00081617	0	103.69451	up	Inf	1.51E-30	3.38E-30
TCONS_00064249	0	103.51049	up	Inf	1.51E-30	3.38E-30
TCONS_00012301	43.724709	103.31881	up	1.240582214	2.17E-10	2.53E-10
TCONS_00043109	9.4308195	103.31881	up	3.453575937	1.80E-24	3.15E-24
TCONS_00012639	0	103.31881	up	Inf	2.86E-30	6.32E-30
TCONS_00032777	0	103.31881	up	Inf	2.86E-30	6.32E-30
TCONS_00081121	0	103.31881	up	Inf	2.86E-30	6.32E-30
TCONS_00089378	0	103.31881	up	Inf	2.86E-30	6.32E-30
TCONS_00096847	0	102.98871	up	Inf	2.86E-30	6.32E-30
TCONS_00081656	0	102.8901	up	Inf	2.86E-30	6.32E-30
TCONS_00018941	0	102.81481	up	Inf	2.86E-30	6.32E-30
TCONS_00064769	0	102.81481	up	Inf	2.86E-30	6.32E-30
TCONS_00064793	0	102.81481	up	Inf	2.86E-30	6.32E-30
TCONS_00096769	0	102.81481	up	Inf	2.86E-30	6.32E-30

TCONS_00081749	77. 254537	102. 78348 up	0. 411916785	0. 00038	0. 0004058
TCONS_00054495	0	102. 78348 up	Inf	2. 86E-30	6. 32E-30
TCONS_00054707	0	102. 76033 up	Inf	2. 86E-30	6. 32E-30
TCONS_00081661	0	102. 74798 up	Inf	2. 86E-30	6. 32E-30
TCONS_00102772	0	102. 49226 up	Inf	5. 42E-30	1. 18E-29
TCONS_00072429	0	102. 42038 up	Inf	5. 42E-30	1. 18E-29
TCONS_00018721	0	102. 3441 up	Inf	5. 42E-30	1. 18E-29
TCONS_00011801	0	102. 31571 up	Inf	5. 42E-30	1. 18E-29
TCONS_00072499	0	101. 84282 up	Inf	5. 42E-30	1. 18E-29
TCONS_00012189	0	101. 82143 up	Inf	5. 42E-30	1. 18E-29
TCONS_00054851	0	101. 82143 up	Inf	5. 42E-30	1. 18E-29
TCONS_00064815	0	101. 82143 up	Inf	5. 42E-30	1. 18E-29
TCONS_00081769	0	101. 82143 up	Inf	5. 42E-30	1. 18E-29
TCONS_00096668	0	101. 82143 up	Inf	5. 42E-30	1. 18E-29
TCONS_00102428	4. 0502888	101. 79621 up	4. 651515315	2. 90E-27	5. 66E-27
TCONS_00055579	0	101. 71519 up	Inf	5. 42E-30	1. 18E-29
TCONS_00055395	0	101. 62506 up	Inf	5. 42E-30	1. 18E-29
TCONS_00081655	0	101. 62506 up	Inf	5. 42E-30	1. 18E-29
TCONS_00018737	0	101. 55569 up	Inf	5. 42E-30	1. 18E-29
TCONS_00089159	4. 1463086	101. 53745 up	4. 614040609	2. 90E-27	5. 66E-27
TCONS_00011932	0	101. 52419 up	Inf	5. 42E-30	1. 18E-29
TCONS_00081177	0	101. 48039 up	Inf	1. 03E-29	2. 21E-29
TCONS_00081479	0	101. 39838 up	Inf	1. 03E-29	2. 21E-29
TCONS_00102489	0	101. 36016 up	Inf	1. 03E-29	2. 21E-29
TCONS_00064137	0	101. 33191 up	Inf	1. 03E-29	2. 21E-29
TCONS_00102607	0	101. 33191 up	Inf	1. 03E-29	2. 21E-29
TCONS_00096817	0	101. 30871 up	Inf	1. 03E-29	2. 21E-29
TCONS_00025755	0	101. 29295 up	Inf	1. 03E-29	2. 21E-29
TCONS_00088990	0	101. 12053 up	Inf	1. 03E-29	2. 21E-29
TCONS_00081616	0	101. 0889 up	Inf	1. 03E-29	2. 21E-29
TCONS_00089070	0	100. 963 up	Inf	1. 03E-29	2. 21E-29
TCONS_00045741	3. 2608257	100. 86717 up	4. 951075596	1. 21E-27	2. 38E-27
TCONS_00012173	0	100. 86717 up	Inf	1. 03E-29	2. 21E-29
TCONS_00089191	0	100. 86717 up	Inf	1. 03E-29	2. 21E-29
TCONS_00081147	0	100. 84706 up	Inf	1. 03E-29	2. 21E-29
TCONS_00096405	0	100. 77401 up	Inf	1. 03E-29	2. 21E-29
TCONS_00064290	0	100. 6352 up	Inf	1. 03E-29	2. 21E-29
TCONS_00081053	0	100. 42202 up	Inf	1. 95E-29	4. 16E-29
TCONS_00026010	61. 839231	100. 36684 up	0. 698688435	5. 99E-06	6. 58E-06
TCONS_00054504	0	100. 36684 up	Inf	1. 95E-29	4. 16E-29
TCONS_00089580	59. 022648	100. 35143 up	0. 765720554	1. 75E-06	1. 94E-06
TCONS_00081176	8. 6272968	100. 07562 up	3. 536038097	1. 18E-23	2. 01E-23
TCONS_00044010	0	100. 07562 up	Inf	1. 95E-29	4. 16E-29
TCONS_00096821	0	99. 912692 up	Inf	1. 95E-29	4. 16E-29
TCONS_00012172	0	99. 891169 up	Inf	1. 95E-29	4. 16E-29
TCONS_00026021	0	99. 851733 up	Inf	1. 95E-29	4. 16E-29
TCONS_00043186	0	99. 83012 up	Inf	1. 95E-29	4. 16E-29
TCONS_00072482	0	99. 186054 up	Inf	3. 69E-29	7. 79E-29
TCONS_00072556	0	99. 186054 up	Inf	3. 69E-29	7. 79E-29

TCONS_00032889	0 99.084429 up	Inf	3.69E-29	7.79E-29
TCONS_00072887	0 99.065974 up	Inf	3.69E-29	7.79E-29
TCONS_00012926	0 99.02761 up	Inf	3.69E-29	7.79E-29
TCONS_00064813	0 99.02761 up	Inf	3.69E-29	7.79E-29
TCONS_00043249	0 98.96613 up	Inf	3.69E-29	7.79E-29
TCONS_00064256	0 98.953223 up	Inf	3.69E-29	7.79E-29
TCONS_00081305	0 98.938708 up	Inf	3.69E-29	7.79E-29
TCONS_00072428	0 98.790891 up	Inf	3.69E-29	7.79E-29
TCONS_00054734	0 98.331002 up	Inf	6.99E-29	1.46E-28
TCONS_00081575	0 98.331002 up	Inf	6.99E-29	1.46E-28
TCONS_00089011	4.9204276 98.2982 up	4.320309406	1.62E-25	2.93E-25
TCONS_00096495	0 98.250337 up	Inf	6.99E-29	1.46E-28
TCONS_00012658	0 98.204014 up	Inf	6.99E-29	1.46E-28
TCONS_00013037	0 98.204014 up	Inf	6.99E-29	1.46E-28
TCONS_00032921	0 98.204014 up	Inf	6.99E-29	1.46E-28
TCONS_00064280	0 98.204014 up	Inf	6.99E-29	1.46E-28
TCONS_00073017	0 98.204014 up	Inf	6.99E-29	1.46E-28
TCONS_00089645	0 98.204014 up	Inf	6.99E-29	1.46E-28
TCONS_00012709	0 98.152866 up	Inf	6.99E-29	1.46E-28
TCONS_00055673	0 98.032728 up	Inf	6.99E-29	1.46E-28
TCONS_00064484	0 98.032728 up	Inf	6.99E-29	1.46E-28
TCONS_00043263	0 98.009935 up	Inf	6.99E-29	1.46E-28
TCONS_00064501	0 97.880975 up	Inf	6.99E-29	1.46E-28
TCONS_00089032	0 97.880975 up	Inf	6.99E-29	1.46E-28
TCONS_00064329	0 97.797954 up	Inf	6.99E-29	1.46E-28
TCONS_00072741	0 97.764032 up	Inf	6.99E-29	1.46E-28
TCONS_00096863	4.7386384 97.720251 up	4.366113096	1.62E-25	2.93E-25
TCONS_00054417	0 97.720251 up	Inf	6.99E-29	1.46E-28
TCONS_00102585	0 97.720251 up	Inf	6.99E-29	1.46E-28
TCONS_00026121	0 97.624069 up	Inf	6.99E-29	1.46E-28
TCONS_00064991	26.720655 97.578873 up	1.868613436	1.07E-14	1.35E-14
TCONS_00012899	0 97.470572 up	Inf	1.33E-28	2.72E-28
TCONS_00044075	0 97.453547 up	Inf	1.33E-28	2.72E-28
TCONS_00012789	0 97.396073 up	Inf	1.33E-28	2.72E-28
TCONS_00032864	0 97.368509 up	Inf	1.33E-28	2.72E-28
TCONS_00054488	0 97.269696 up	Inf	1.33E-28	2.72E-28
TCONS_00012636	0 97.24123 up	Inf	1.33E-28	2.72E-28
TCONS_00055328	0 97.24123 up	Inf	1.33E-28	2.72E-28
TCONS_00064131	0 97.24123 up	Inf	1.33E-28	2.72E-28
TCONS_00044109	0 97.165022 up	Inf	1.33E-28	2.72E-28
TCONS_00043767	0 97.15052 up	Inf	1.33E-28	2.72E-28
TCONS_00026230	0 97.129201 up	Inf	1.33E-28	2.72E-28
TCONS_00081675	0 97.029836 up	Inf	1.33E-28	2.72E-28
TCONS_00054779	0 96.941103 up	Inf	1.33E-28	2.72E-28
TCONS_00043965	0 96.913598 up	Inf	1.33E-28	2.72E-28
TCONS_00064492	12.515995 96.789365 up	2.951075596	1.18E-20	1.78E-20
TCONS_00043649	4.0588337 96.779642 up	4.575566461	7.00E-26	1.29E-25
TCONS_00043891	0 96.766882 up	Inf	1.33E-28	2.72E-28
TCONS_00089059	0 96.766882 up	Inf	1.33E-28	2.72E-28

TCONS_00096605	0	96.766882	up	Inf	1.33E-28	2.72E-28
TCONS_00043963	0	96.749403	up	Inf	1.33E-28	2.72E-28
TCONS_00072417	0	96.683654	up	Inf	1.33E-28	2.72E-28
TCONS_00011802	0	96.653077	up	Inf	1.33E-28	2.72E-28
TCONS_00081285	0	96.609793	up	Inf	1.33E-28	2.72E-28
TCONS_00096402	0	96.559632	up	Inf	1.33E-28	2.72E-28
TCONS_00043449	0	96.543803	up	Inf	1.33E-28	2.72E-28
TCONS_00043608	5.5443434	96.470586	up	4.121000598	2.42E-24	4.20E-24
TCONS_00018859	0	96.327309	up	Inf	2.51E-28	5.09E-28
TCONS_00064705	0	96.29714	up	Inf	2.51E-28	5.09E-28
TCONS_00081728	0	96.29714	up	Inf	2.51E-28	5.09E-28
TCONS_00018787	0	96.242176	up	Inf	2.51E-28	5.09E-28
TCONS_00043233	4.9712847	96.110518	up	4.273003691	5.76E-25	1.02E-24
TCONS_00072947	0	96.075053	up	Inf	2.51E-28	5.09E-28
TCONS_00011748	0	96.042834	up	Inf	2.51E-28	5.09E-28
TCONS_00012733	0	95.96174	up	Inf	2.51E-28	5.09E-28
TCONS_00096873	0	95.96174	up	Inf	2.51E-28	5.09E-28
TCONS_00102608	0	95.852069	up	Inf	2.51E-28	5.09E-28
TCONS_00081394	13.941211	95.831937	up	2.781150595	7.08E-20	1.03E-19
TCONS_00102509	0	95.769416	up	Inf	2.51E-28	5.09E-28
TCONS_00032879	0	95.739435	up	Inf	2.51E-28	5.09E-28
TCONS_00064854	0	95.705842	up	Inf	2.51E-28	5.09E-28
TCONS_00026091	34.023728	95.677866	up	1.491643978	8.03E-12	9.58E-12
TCONS_00073162	0	95.371206	up	Inf	4.77E-28	9.51E-28
TCONS_00011789	0	95.371206	up	Inf	4.77E-28	9.51E-28
TCONS_00012692	0	95.371206	up	Inf	4.77E-28	9.51E-28
TCONS_00026083	0	95.371206	up	Inf	4.77E-28	9.51E-28
TCONS_00043546	0	95.371206	up	Inf	4.77E-28	9.51E-28
TCONS_00096389	0	95.371206	up	Inf	4.77E-28	9.51E-28
TCONS_00043055	0	95.066506	up	Inf	4.77E-28	9.51E-28
TCONS_00054424	0	95.066506	up	Inf	4.77E-28	9.51E-28
TCONS_00006522	77.236346	95.023136	up	0.2989989	0.003195	0.0033775
TCONS_00055145	0	95.023136	up	Inf	4.77E-28	9.51E-28
TCONS_00072900	0	95.005799	up	Inf	4.77E-28	9.51E-28
TCONS_00012630	0	94.941606	up	Inf	4.77E-28	9.51E-28
TCONS_00012958	0	94.941606	up	Inf	4.77E-28	9.51E-28
TCONS_00025835	0	94.914885	up	Inf	4.77E-28	9.51E-28
TCONS_00044093	2.4539377	94.884618	up	5.273003691	1.18E-26	2.24E-26
TCONS_00033094	0	94.643182	up	Inf	4.77E-28	9.51E-28
TCONS_00043861	0	94.618276	up	Inf	4.77E-28	9.51E-28
TCONS_00018991	0	94.605172	up	Inf	4.77E-28	9.51E-28
TCONS_00072831	2.0957377	94.540085	up	5.495396113	1.18E-26	2.24E-26
TCONS_00013160	0	94.532163	up	Inf	4.77E-28	9.51E-28
TCONS_00043360	0	94.532163	up	Inf	4.77E-28	9.51E-28
TCONS_00049672	0	94.515859	up	Inf	4.77E-28	9.51E-28
TCONS_00012694	3.3285245	94.381194	up	4.825544714	1.05E-25	1.93E-25
TCONS_00096809	3.3285245	94.381194	up	4.825544714	1.05E-25	1.93E-25
TCONS_00102500	2.0866455	94.129932	up	5.495396113	2.24E-26	4.20E-26
TCONS_00054642	0	94.031723	up	Inf	9.04E-28	1.79E-27

TCONS_00044210		0 94. 015217 up	Inf	9. 04E-28	1. 79E-27
TCONS_00025870	4. 2800605	93. 779918 up	4. 453575937	4. 73E-25	8. 45E-25
TCONS_00081448		0 93. 736821 up	Inf	9. 04E-28	1. 79E-27
TCONS_00026237		0 93. 675718 up	Inf	9. 04E-28	1. 79E-27
TCONS_00073014		0 93. 675718 up	Inf	9. 04E-28	1. 79E-27
TCONS_00032963		0 93. 571749 up	Inf	9. 04E-28	1. 79E-27
TCONS_00054410		0 93. 571749 up	Inf	9. 04E-28	1. 79E-27
TCONS_00018732		0 93. 514832 up	Inf	9. 04E-28	1. 79E-27
TCONS_00096424		0 93. 514832 up	Inf	9. 04E-28	1. 79E-27
TCONS_00018638		0 93. 411524 up	Inf	1. 71E-27	3. 36E-27
TCONS_00096956		0 93. 278421 up	Inf	1. 71E-27	3. 36E-27
TCONS_00089504		0 93. 261224 up	Inf	1. 71E-27	3. 36E-27
TCONS_00089631		0 93. 184351 up	Inf	1. 71E-27	3. 36E-27
TCONS_00012463		0 92. 986926 up	Inf	1. 71E-27	3. 36E-27
TCONS_00088988		0 92. 801323 up	Inf	1. 71E-27	3. 36E-27
TCONS_00018826		0 92. 776071 up	Inf	1. 71E-27	3. 36E-27
TCONS_00096833		0 92. 742866 up	Inf	1. 71E-27	3. 36E-27
TCONS_00057598	4. 4950635	92. 697247 up	4. 366113096	8. 95E-25	1. 58E-24
TCONS_00054467	3. 9914672	92. 601088 up	4. 536038097	8. 95E-25	1. 58E-24
TCONS_00043181		0 92. 524305 up	Inf	1. 71E-27	3. 36E-27
TCONS_00018910		0 92. 443143 up	Inf	3. 25E-27	6. 28E-27
TCONS_00026171		0 92. 266097 up	Inf	3. 25E-27	6. 28E-27
TCONS_00012819		0 92. 180348 up	Inf	3. 25E-27	6. 28E-27
TCONS_00064644	5. 103149	92. 082544 up	4. 173468018	7. 31E-24	1. 24E-23
TCONS_00012901		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00032781		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00054483		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00055357		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00064140		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00064506		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00072826		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00073002		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00081742		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00088986		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00096370		0 92. 066263 up	Inf	3. 25E-27	6. 28E-27
TCONS_00055603		0 92. 018312 up	Inf	3. 25E-27	6. 28E-27
TCONS_00012688		0 92. 001199 up	Inf	3. 25E-27	6. 28E-27
TCONS_00043646	61. 830737	91. 952461 up	0. 572563973	8. 98E-05	9. 71E-05
TCONS_00102448	4. 4534425	91. 838939 up	4. 366113096	1. 69E-24	2. 96E-24
TCONS_00026305		0 91. 838939 up	Inf	3. 25E-27	6. 28E-27
TCONS_00055436		0 91. 838939 up	Inf	3. 25E-27	6. 28E-27
TCONS_00081529		0 91. 838939 up	Inf	3. 25E-27	6. 28E-27
TCONS_00081716		0 91. 838939 up	Inf	3. 25E-27	6. 28E-27
TCONS_00096503		0 91. 713133 up	Inf	3. 25E-27	6. 28E-27
TCONS_00018745		0 91. 612735 up	Inf	3. 25E-27	6. 28E-27
TCONS_00054639		0 91. 612735 up	Inf	3. 25E-27	6. 28E-27
TCONS_00089127		0 91. 612735 up	Inf	3. 25E-27	6. 28E-27
TCONS_00089622		0 91. 612735 up	Inf	3. 25E-27	6. 28E-27
TCONS_00043197		0 91. 415718 up	Inf	6. 16E-27	1. 18E-26

TCONS_00055650	0	91.415718	up	Inf	6.16E-27	1.18E-26
TCONS_00102461	0	91.397406	up	Inf	6.16E-27	1.18E-26
TCONS_00064389	0	91.304992	up	Inf	6.16E-27	1.18E-26
TCONS_00019118	0	91.163653	up	Inf	6.16E-27	1.18E-26
TCONS_00055374	0	91.163653	up	Inf	6.16E-27	1.18E-26
TCONS_00064346	0	91.163653	up	Inf	6.16E-27	1.18E-26
TCONS_00096493	0	91.163653	up	Inf	6.16E-27	1.18E-26
TCONS_00055586	0	91.089234	up	Inf	6.16E-27	1.18E-26
TCONS_00081719	0	90.896311	up	Inf	6.16E-27	1.18E-26
TCONS_00012088	0	90.877275	up	Inf	6.16E-27	1.18E-26
TCONS_00043041	0	90.877275	up	Inf	6.16E-27	1.18E-26
TCONS_00073055	0	90.804134	up	Inf	6.16E-27	1.18E-26
TCONS_00043179	0	90.718952	up	Inf	6.16E-27	1.18E-26
TCONS_00043507	0	90.718952	up	Inf	6.16E-27	1.18E-26
TCONS_00081052	0	90.718952	up	Inf	6.16E-27	1.18E-26
TCONS_00088918	0	90.718952	up	Inf	6.16E-27	1.18E-26
TCONS_00096554	0	90.718952	up	Inf	6.16E-27	1.18E-26
TCONS_00102508	0	90.718952	up	Inf	6.16E-27	1.18E-26
TCONS_00012372	0	90.673818	up	Inf	6.16E-27	1.18E-26
TCONS_00044205	59.051697	90.449916	up	0.615140644	5.94E-05	6.43E-05
TCONS_00043020	0	90.351669	up	Inf	1.17E-26	2.21E-26
TCONS_00055182	18.861639	90.295428	up	2.259197892	5.69E-16	7.38E-16
TCONS_00064376	0	90.278569	up	Inf	1.17E-26	2.21E-26
TCONS_00018817	0	90.16914	up	Inf	1.17E-26	2.21E-26
TCONS_00089360	0	90.072806	up	Inf	1.17E-26	2.21E-26
TCONS_00012859	0	89.987348	up	Inf	1.17E-26	2.21E-26
TCONS_00081262	0	89.896726	up	Inf	1.17E-26	2.21E-26
TCONS_00089515	0	89.896726	up	Inf	1.17E-26	2.21E-26
TCONS_00064610	0	89.842441	up	Inf	1.17E-26	2.21E-26
TCONS_00089075	0	89.842441	up	Inf	1.17E-26	2.21E-26
TCONS_00064236	0	89.792389	up	Inf	1.17E-26	2.21E-26
TCONS_00055116	0	89.761135	up	Inf	1.17E-26	2.21E-26
TCONS_00089533	4.093377	89.689517	up	4.453575937	6.05E-24	1.04E-23
TCONS_00032750	0	89.689517	up	Inf	1.17E-26	2.21E-26
TCONS_00044122	28.786342	89.663204	up	1.63913159	4.08E-12	4.91E-12
TCONS_00089055	3.8632273	89.625953	up	4.536038097	6.05E-24	1.04E-23
TCONS_00102786	0	89.506132	up	Inf	1.17E-26	2.21E-26
TCONS_00043407	0	89.410506	up	Inf	2.22E-26	4.15E-26
TCONS_00044089	0	89.410506	up	Inf	2.22E-26	4.15E-26
TCONS_00072461	0	89.410506	up	Inf	2.22E-26	4.15E-26
TCONS_00026061	0	89.386631	up	Inf	2.22E-26	4.15E-26
TCONS_00102493	0	89.229879	up	Inf	2.22E-26	4.15E-26
TCONS_00018718	0	89.196092	up	Inf	2.22E-26	4.15E-26
TCONS_00064962	0	89.137794	up	Inf	2.22E-26	4.15E-26
TCONS_00073032	0	89.08927	up	Inf	2.22E-26	4.15E-26
TCONS_00089537	0	89.067937	up	Inf	2.22E-26	4.15E-26
TCONS_00064266	0	89.030036	up	Inf	2.22E-26	4.15E-26
TCONS_00012596	0	88.921924	up	Inf	2.22E-26	4.15E-26
TCONS_00043291	0	88.893162	up	Inf	2.22E-26	4.15E-26

TCONS_00012283	0	88.847443	up	Inf	2.22E-26	4.15E-26
TCONS_00096836	0	88.847443	up	Inf	2.22E-26	4.15E-26
TCONS_00081679	73.465859	88.770335	up	0.273003691	0.005338	0.0056308
TCONS_00011868	0	88.558977	up	Inf	2.22E-26	4.15E-26
TCONS_00043305	0	88.558977	up	Inf	2.22E-26	4.15E-26
TCONS_00043672	0	88.558977	up	Inf	2.22E-26	4.15E-26
TCONS_00088973	0	88.558977	up	Inf	2.22E-26	4.15E-26
TCONS_00089371	0	88.558977	up	Inf	2.22E-26	4.15E-26
TCONS_00081416	3.602785	88.227296	up	4.614040609	2.16E-23	3.61E-23
TCONS_00102545	0	88.227296	up	Inf	4.20E-26	7.79E-26
TCONS_00011867	0	88.208942	up	Inf	4.20E-26	7.79E-26
TCONS_00043493	0	88.109439	up	Inf	4.20E-26	7.79E-26
TCONS_00036912	0	88.012317	up	Inf	4.20E-26	7.79E-26
TCONS_00064409	0	88.012317	up	Inf	4.20E-26	7.79E-26
TCONS_00064947	0	88.012317	up	Inf	4.20E-26	7.79E-26
TCONS_00013101	0	87.960606	up	Inf	4.20E-26	7.79E-26
TCONS_00102687	0	87.861662	up	Inf	4.20E-26	7.79E-26
TCONS_00046804	0	87.775269	up	Inf	4.20E-26	7.79E-26
TCONS_00064191	0	87.723515	up	Inf	4.20E-26	7.79E-26
TCONS_00081816	0	87.694987	up	Inf	4.20E-26	7.79E-26
TCONS_00102595	0	87.620189	up	Inf	4.20E-26	7.79E-26
TCONS_00055173	0	87.571331	up	Inf	4.20E-26	7.79E-26
TCONS_00033171	0	87.472364	up	Inf	7.97E-26	1.47E-25
TCONS_00013102	0	87.423606	up	Inf	7.97E-26	1.47E-25
TCONS_00054499	0	87.388594	up	Inf	7.97E-26	1.47E-25
TCONS_00096911	0	87.311668	up	Inf	7.97E-26	1.47E-25
TCONS_00102748	0	87.311668	up	Inf	7.97E-26	1.47E-25
TCONS_00013080	0	87.260458	up	Inf	7.97E-26	1.47E-25
TCONS_00043145	0	87.144297	up	Inf	7.97E-26	1.47E-25
TCONS_00013067	0	87.122886	up	Inf	7.97E-26	1.47E-25
TCONS_00012505	0	87.095192	up	Inf	7.97E-26	1.47E-25
TCONS_00049539	33.591681	86.591	up	1.366113096	7.00E-10	8.08E-10
TCONS_00032625	0	86.499466	up	Inf	1.51E-25	2.74E-25
TCONS_00096642	0	86.499466	up	Inf	1.51E-25	2.74E-25
TCONS_00102541	42.360819	86.446561	up	1.029078108	1.38E-07	1.55E-07
TCONS_00012438	0	86.369879	up	Inf	1.51E-25	2.74E-25
TCONS_00055585	0	86.356018	up	Inf	1.51E-25	2.74E-25
TCONS_00081082	0	86.288234	up	Inf	1.51E-25	2.74E-25
TCONS_00026224	0	86.19109	up	Inf	1.51E-25	2.74E-25
TCONS_00033131	0	86.130486	up	Inf	1.51E-25	2.74E-25
TCONS_00026273	0	86.099006	up	Inf	1.51E-25	2.74E-25
TCONS_00011837	3.9263004	86.028721	up	4.453575937	7.73E-23	1.26E-22
TCONS_00064923	0	85.999469	up	Inf	1.51E-25	2.74E-25
TCONS_00019154	0	85.983436	up	Inf	1.51E-25	2.74E-25
TCONS_00012648	0	85.928513	up	Inf	1.51E-25	2.74E-25
TCONS_00012950	0	85.928513	up	Inf	1.51E-25	2.74E-25
TCONS_00033193	0	85.928513	up	Inf	1.51E-25	2.74E-25
TCONS_00080986	0	85.928513	up	Inf	1.51E-25	2.74E-25
TCONS_00032768	0	85.875372	up	Inf	1.51E-25	2.74E-25

TCONS_00089644	0	85.875372	up	Inf	1.51E-25	2.74E-25
TCONS_00012942	0	85.834086	up	Inf	1.51E-25	2.74E-25
TCONS_00102621	0	85.834086	up	Inf	1.51E-25	2.74E-25
TCONS_00026160	0	85.801085	up	Inf	1.51E-25	2.74E-25
TCONS_00025939	0	85.774104	up	Inf	1.51E-25	2.74E-25
TCONS_00089005	0	85.702236	up	Inf	1.51E-25	2.74E-25
TCONS_00055217	14.615165	85.62332	up	2.550537667	9.16E-17	1.21E-16
TCONS_00072923	0	85.62332	up	Inf	1.51E-25	2.74E-25
TCONS_00019093	49.755703	85.505219	up	0.781150595	6.75E-06	7.37E-06
TCONS_00012159	0	85.505219	up	Inf	1.51E-25	2.74E-25
TCONS_00064667	0	85.505219	up	Inf	1.51E-25	2.74E-25
TCONS_00089453	0	85.505219	up	Inf	1.51E-25	2.74E-25
TCONS_00096344	0	85.505219	up	Inf	1.51E-25	2.74E-25
TCONS_00064490	0	85.396157	up	Inf	2.87E-25	5.14E-25
TCONS_00064464	0	85.309106	up	Inf	2.87E-25	5.14E-25
TCONS_00096855	0	85.295133	up	Inf	2.87E-25	5.14E-25
TCONS_00089442	0	85.238016	up	Inf	2.87E-25	5.14E-25
TCONS_00072615	0	85.152863	up	Inf	2.87E-25	5.14E-25
TCONS_00018876	0	85.086076	up	Inf	2.87E-25	5.14E-25
TCONS_00026165	0	85.086076	up	Inf	2.87E-25	5.14E-25
TCONS_00043491	0	85.086076	up	Inf	2.87E-25	5.14E-25
TCONS_00054566	0	85.086076	up	Inf	2.87E-25	5.14E-25
TCONS_00072584	0	85.086076	up	Inf	2.87E-25	5.14E-25
TCONS_00089231	0	85.086076	up	Inf	2.87E-25	5.14E-25
TCONS_00096771	0	84.808923	up	Inf	2.87E-25	5.14E-25
TCONS_00013192	4.6924077	84.671022	up	4.173468018	6.23E-22	9.82E-22
TCONS_00025955	0	84.671022	up	Inf	2.87E-25	5.14E-25
TCONS_00064168	0	84.671022	up	Inf	2.87E-25	5.14E-25
TCONS_00089093	0	84.671022	up	Inf	2.87E-25	5.14E-25
TCONS_00033192	0	84.646733	up	Inf	2.87E-25	5.14E-25
TCONS_00043909	0	84.629739	up	Inf	2.87E-25	5.14E-25
TCONS_00054459	0	84.533569	up	Inf	2.87E-25	5.14E-25
TCONS_00055456	0	84.533569	up	Inf	2.87E-25	5.14E-25
TCONS_00044015	0	84.47164	up	Inf	5.44E-25	9.65E-25
TCONS_00013138	0	84.308146	up	Inf	5.44E-25	9.65E-25
TCONS_00081578	0	84.259998	up	Inf	5.44E-25	9.65E-25
TCONS_00102447	0	84.259998	up	Inf	5.44E-25	9.65E-25
TCONS_00072616	0	83.99903	up	Inf	5.44E-25	9.65E-25
TCONS_00064963	0	83.988191	up	Inf	5.44E-25	9.65E-25
TCONS_00089354	0	83.94653	up	Inf	5.44E-25	9.65E-25
TCONS_00026331	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00032938	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00043089	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00043388	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00064949	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00072609	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00102281	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00102457	0	83.852945	up	Inf	5.44E-25	9.65E-25
TCONS_00044074	0	83.805314	up	Inf	5.44E-25	9.65E-25

TCONS_00064372	0	83.772005	up	Inf	5.44E-25	9.65E-25
TCONS_00081289	0	83.772005	up	Inf	5.44E-25	9.65E-25
TCONS_00043267	0	83.772005	up	Inf	5.44E-25	9.65E-25
TCONS_00043843	0	83.718133	up	Inf	5.44E-25	9.65E-25
TCONS_00102743	0	83.449805	up	Inf	1.03E-24	1.81E-24
TCONS_00012944	0	83.349626	up	Inf	1.03E-24	1.81E-24
TCONS_00025869	0	83.349626	up	Inf	1.03E-24	1.81E-24
TCONS_00012099	0	83.295782	up	Inf	1.03E-24	1.81E-24
TCONS_00012755	0	83.271874	up	Inf	1.03E-24	1.81E-24
TCONS_00012219	6.7981879	83.23918	up	3.614040609	3.55E-20	5.25E-20
TCONS_00096358	0	83.209777	up	Inf	1.03E-24	1.81E-24
TCONS_00089249	0	83.050524	up	Inf	1.03E-24	1.81E-24
TCONS_00096726	0	83.050524	up	Inf	1.03E-24	1.81E-24
TCONS_00042985	0	83.024041	up	Inf	1.03E-24	1.81E-24
TCONS_00025890	0	82.859637	up	Inf	1.03E-24	1.81E-24
TCONS_00012303	0	82.808394	up	Inf	1.03E-24	1.81E-24
TCONS_00032891	0	82.655045	up	Inf	1.03E-24	1.81E-24
TCONS_00032914	0	82.655045	up	Inf	1.03E-24	1.81E-24
TCONS_00043829	0	82.655045	up	Inf	1.03E-24	1.81E-24
TCONS_00043952	0	82.655045	up	Inf	1.03E-24	1.81E-24
TCONS_00011965	0	82.493294	up	Inf	1.96E-24	3.41E-24
TCONS_00073028	29.998241	82.483205	up	1.4592225	5.22E-10	6.05E-10
TCONS_00026090	63.987378	82.471775	up	0.366113096	0.003249	0.003433
TCONS_00011953	0	82.458715	up	Inf	1.96E-24	3.41E-24
TCONS_00064126	0	82.451462	up	Inf	1.96E-24	3.41E-24
TCONS_00072553	0	82.451462	up	Inf	1.96E-24	3.41E-24
TCONS_00043410	0	82.443651	up	Inf	1.96E-24	3.41E-24
TCONS_00054565	0	82.366042	up	Inf	1.96E-24	3.41E-24
TCONS_00081450	0	82.263315	up	Inf	1.96E-24	3.41E-24
TCONS_00081454	0	82.216557	up	Inf	1.96E-24	3.41E-24
TCONS_00012083	0	82.011815	up	Inf	1.96E-24	3.41E-24
TCONS_00102362	0	81.971946	up	Inf	1.96E-24	3.41E-24
TCONS_00012606	0	81.942502	up	Inf	1.96E-24	3.41E-24
TCONS_00055274	0	81.794055	up	Inf	1.96E-24	3.41E-24
TCONS_00089582	0	81.69394	up	Inf	1.96E-24	3.41E-24
TCONS_00089530	2.2633967	81.682633	up	5.173468018	4.82E-23	7.91E-23
TCONS_00089364	7.9172312	81.634613	up	3.366113096	2.50E-19	3.58E-19
TCONS_00033119	0	81.522784	up	Inf	1.96E-24	3.41E-24
TCONS_00032786	0	81.49089	up	Inf	3.72E-24	6.40E-24
TCONS_00055132	0	81.49089	up	Inf	3.72E-24	6.40E-24
TCONS_00064339	0	81.49089	up	Inf	3.72E-24	6.40E-24
TCONS_00055069	0	81.421388	up	Inf	3.72E-24	6.40E-24
TCONS_00081775	0	81.36356	up	Inf	3.72E-24	6.40E-24
TCONS_00043066	0	81.300045	up	Inf	3.72E-24	6.40E-24
TCONS_00055331	0	81.300045	up	Inf	3.72E-24	6.40E-24
TCONS_00043299	0	81.250712	up	Inf	3.72E-24	6.40E-24
TCONS_00054563	0	81.179062	up	Inf	3.72E-24	6.40E-24
TCONS_00026046	0	81.110091	up	Inf	3.72E-24	6.40E-24
TCONS_00019066	1.5527742	81.053979	up	5.705963099	9.14E-23	1.49E-22

TCONS_00019002	0	81.011337	up	Inf	3.72E-24	6.40E-24
TCONS_00102388	0	81.011337	up	Inf	3.72E-24	6.40E-24
TCONS_00055449	0	80.993637	up	Inf	3.72E-24	6.40E-24
TCONS_00032886	0	80.781843	up	Inf	3.72E-24	6.40E-24
TCONS_00032682	0	80.754929	up	Inf	3.72E-24	6.40E-24
TCONS_00064625	62.638187	80.732835	up	0.366113096	0.003244	0.0034287
TCONS_00064416	0	80.698713	up	Inf	3.72E-24	6.40E-24
TCONS_00064714	0	80.673589	up	Inf	3.72E-24	6.40E-24
TCONS_00012402	0	80.616468	up	Inf	3.72E-24	6.40E-24
TCONS_00055223	0	80.508161	up	Inf	3.72E-24	6.40E-24
TCONS_00044209	0	80.460664	up	Inf	7.06E-24	1.20E-23
TCONS_00072940	0	80.398252	up	Inf	7.06E-24	1.20E-23
TCONS_00026008	0	80.381626	up	Inf	7.06E-24	1.20E-23
TCONS_00089377	0	80.326734	up	Inf	7.06E-24	1.20E-23
TCONS_00055399	0	80.312595	up	Inf	7.06E-24	1.20E-23
TCONS_00055447	0	80.312595	up	Inf	7.06E-24	1.20E-23
TCONS_00096816	0	80.276483	up	Inf	7.06E-24	1.20E-23
TCONS_00089332	0	80.224015	up	Inf	7.06E-24	1.20E-23
TCONS_00019114	15.546563	80.150347	up	2.366113096	9.30E-15	1.18E-14
TCONS_00019034	0	80.124789	up	Inf	7.06E-24	1.20E-23
TCONS_00089348	0	79.988754	up	Inf	7.06E-24	1.20E-23
TCONS_00064526	0	79.83726	up	Inf	7.06E-24	1.20E-23
TCONS_00055582	0	79.817104	up	Inf	7.06E-24	1.20E-23
TCONS_00102414	0	79.817104	up	Inf	7.06E-24	1.20E-23
TCONS_00012802	0	79.790762	up	Inf	7.06E-24	1.20E-23
TCONS_00013207	0	79.790762	up	Inf	7.06E-24	1.20E-23
TCONS_00025841	0	79.790762	up	Inf	7.06E-24	1.20E-23
TCONS_00081115	0	79.790762	up	Inf	7.06E-24	1.20E-23
TCONS_00064434	0	79.754868	up	Inf	7.06E-24	1.20E-23
TCONS_00081107	0	79.703079	up	Inf	7.06E-24	1.20E-23
TCONS_00012501	0	79.561006	up	Inf	7.06E-24	1.20E-23
TCONS_00055396	0	79.493885	up	Inf	1.34E-23	2.25E-23
TCONS_00012827	4.11087	79.476005	up	4.273003691	6.67E-21	1.01E-20
TCONS_00055647	0	79.476005	up	Inf	1.34E-23	2.25E-23
TCONS_00089432	0	79.476005	up	Inf	1.34E-23	2.25E-23
TCONS_00081668	0	79.431729	up	Inf	1.34E-23	2.25E-23
TCONS_00019107	0	79.397704	up	Inf	1.34E-23	2.25E-23
TCONS_00025803	0	79.397704	up	Inf	1.34E-23	2.25E-23
TCONS_00032957	0	79.397704	up	Inf	1.34E-23	2.25E-23
TCONS_00043128	0	79.397704	up	Inf	1.34E-23	2.25E-23
TCONS_00064292	0	79.397704	up	Inf	1.34E-23	2.25E-23
TCONS_00025983	0	79.379083	up	Inf	1.34E-23	2.25E-23
TCONS_00055382	0	79.348844	up	Inf	1.34E-23	2.25E-23
TCONS_00064128	3.2388673	79.315448	up	4.614040609	1.52E-21	2.34E-21
TCONS_00032683	0	79.190463	up	Inf	1.34E-23	2.25E-23
TCONS_00012826	0	79.137809	up	Inf	1.34E-23	2.25E-23
TCONS_00088949	0	79.070515	up	Inf	1.34E-23	2.25E-23
TCONS_00055454	7.6648891	79.032713	up	3.366113096	1.64E-18	2.28E-18
TCONS_00012486	0	79.008499	up	Inf	1.34E-23	2.25E-23

TCONS_00026200		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00054882		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00064880		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00072567		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00089216		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00102360		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00102746		0 79.008499 up	Inf	1.34E-23	2.25E-23
TCONS_00018824	64.333807	78.969789 up	0.295723768	0.007118	0.0074781
TCONS_00043376		0 78.940212 up	Inf	1.34E-23	2.25E-23
TCONS_00054973		0 78.924088 up	Inf	1.34E-23	2.25E-23
TCONS_00055519		0 78.897998 up	Inf	1.34E-23	2.25E-23
TCONS_00055448		0 78.832847 up	Inf	1.34E-23	2.25E-23
TCONS_00054806		0 78.815324 up	Inf	1.34E-23	2.25E-23
TCONS_00054704		0 78.773455 up	Inf	1.34E-23	2.25E-23
TCONS_00081184		0 78.645659 up	Inf	1.34E-23	2.25E-23
TCONS_00081682		0 78.645659 up	Inf	1.34E-23	2.25E-23
TCONS_00054860		0 78.563211 up	Inf	1.34E-23	2.25E-23
TCONS_00012988		0 78.540993 up	Inf	1.34E-23	2.25E-23
TCONS_00026087		0 78.540993 up	Inf	1.34E-23	2.25E-23
TCONS_00011946		0 78.499205 up	Inf	2.54E-23	4.21E-23
TCONS_00072655		0 78.407948 up	Inf	2.54E-23	4.21E-23
TCONS_00081400		0 78.407948 up	Inf	2.54E-23	4.21E-23
TCONS_00081300		0 78.379784 up	Inf	2.54E-23	4.21E-23
TCONS_00012273		0 78.340634 up	Inf	2.54E-23	4.21E-23
TCONS_00072351		0 78.30478 up	Inf	2.54E-23	4.21E-23
TCONS_00012993		0 78.241426 up	Inf	2.54E-23	4.21E-23
TCONS_00054801		0 78.241426 up	Inf	2.54E-23	4.21E-23
TCONS_00081551		0 78.241426 up	Inf	2.54E-23	4.21E-23
TCONS_00072537		0 78.229919 up	Inf	2.54E-23	4.21E-23
TCONS_00054608		0 78.187205 up	Inf	2.54E-23	4.21E-23
TCONS_00089336		0 78.099255 up	Inf	2.54E-23	4.21E-23
TCONS_00102769		0 78.063098 up	Inf	2.54E-23	4.21E-23
TCONS_00022381	12.740975	78.002278 up	2.614040609	1.23E-15	1.58E-15
TCONS_00026057		0 77.9319 up	Inf	2.54E-23	4.21E-23
TCONS_00054712		0 77.912543 up	Inf	2.54E-23	4.21E-23
TCONS_00055429		0 77.863449 up	Inf	2.54E-23	4.21E-23
TCONS_00081836		0 77.863449 up	Inf	2.54E-23	4.21E-23
TCONS_00089351		0 77.863449 up	Inf	2.54E-23	4.21E-23
TCONS_00089524		0 77.83659 up	Inf	2.54E-23	4.21E-23
TCONS_00012775		0 77.489105 up	Inf	4.82E-23	7.91E-23
TCONS_00054711		0 77.489105 up	Inf	4.82E-23	7.91E-23
TCONS_00054770		0 77.489105 up	Inf	4.82E-23	7.91E-23
TCONS_00054958		0 77.489105 up	Inf	4.82E-23	7.91E-23
TCONS_00089526		0 77.489105 up	Inf	4.82E-23	7.91E-23
TCONS_00096333		0 77.489105 up	Inf	4.82E-23	7.91E-23
TCONS_00043227		0 77.279107 up	Inf	4.82E-23	7.91E-23
TCONS_00070513	66.570491	77.220977 up	0.214110002	0.023073	0.0239179
TCONS_00013019		0 77.118344 up	Inf	4.82E-23	7.91E-23
TCONS_00054885		0 77.118344 up	Inf	4.82E-23	7.91E-23

TCONS_00073144	0	77.118344 up	Inf	4.82E-23	7.91E-23
TCONS_00088984	0	77.118344 up	Inf	4.82E-23	7.91E-23
TCONS_00096413	0	77.118344 up	Inf	4.82E-23	7.91E-23
TCONS_00089211	1.9916016	77.007806 up	5.273003691	1.18E-21	1.84E-21
TCONS_00054715	0	76.969044 up	Inf	4.82E-23	7.91E-23
TCONS_00064139	0	76.803361 up	Inf	4.82E-23	7.91E-23
TCONS_00072413	0	76.803361 up	Inf	4.82E-23	7.91E-23
TCONS_00043144	0	76.751114 up	Inf	4.82E-23	7.91E-23
TCONS_00081242	0	76.751114 up	Inf	4.82E-23	7.91E-23
TCONS_00043793	0	76.643769 up	Inf	4.82E-23	7.91E-23
TCONS_00064493	0	76.591548 up	Inf	4.82E-23	7.91E-23
TCONS_00054719	0	76.532449 up	Inf	4.82E-23	7.91E-23
TCONS_00043944	8.4752739	76.46502 up	3.173468018	1.07E-17	1.44E-17
TCONS_00018775	0	76.387364 up	Inf	9.16E-23	1.49E-22
TCONS_00096434	0	76.387364 up	Inf	9.16E-23	1.49E-22
TCONS_00089197	0	76.296965 up	Inf	9.16E-23	1.49E-22
TCONS_00089627	0	76.235236 up	Inf	9.16E-23	1.49E-22
TCONS_00012904	0	76.156369 up	Inf	9.16E-23	1.49E-22
TCONS_00064606	0	76.090385 up	Inf	9.16E-23	1.49E-22
TCONS_00081557	0	76.090385 up	Inf	9.16E-23	1.49E-22
TCONS_00012945	0	76.027046 up	Inf	9.16E-23	1.49E-22
TCONS_00096482	0	76.027046 up	Inf	9.16E-23	1.49E-22
TCONS_00065008	0	75.907695 up	Inf	9.16E-23	1.49E-22
TCONS_00072494	0	75.816678 up	Inf	9.16E-23	1.49E-22
TCONS_00043460	0	75.783966 up	Inf	9.16E-23	1.49E-22
TCONS_00096787	62.060877	75.778819 up	0.288110584	0.009241	0.0096846
TCONS_00011855	0	75.670112 up	Inf	9.16E-23	1.49E-22
TCONS_00043166	0	75.670112 up	Inf	9.16E-23	1.49E-22
TCONS_00055033	0	75.670112 up	Inf	9.16E-23	1.49E-22
TCONS_00055131	0	75.670112 up	Inf	9.16E-23	1.49E-22
TCONS_00073053	0	75.522376 up	Inf	9.16E-23	1.49E-22
TCONS_00096944	0	75.46765 up	Inf	1.74E-22	2.80E-22
TCONS_00096398	0	75.348522 up	Inf	1.74E-22	2.80E-22
TCONS_00089367	0	75.316513 up	Inf	1.74E-22	2.80E-22
TCONS_00089447	3.8945085	75.293058 up	4.273003691	8.52E-20	1.25E-19
TCONS_00011752	0	75.275131 up	Inf	1.74E-22	2.80E-22
TCONS_00096587	0	75.249536 up	Inf	1.74E-22	2.80E-22
TCONS_00088964	0	75.232141 up	Inf	1.74E-22	2.80E-22
TCONS_00033017	0	75.21955 up	Inf	1.74E-22	2.80E-22
TCONS_00043150	0	75.14095 up	Inf	1.74E-22	2.80E-22
TCONS_00072775	0	75.14095 up	Inf	1.74E-22	2.80E-22
TCONS_00054678	0	75.049981 up	Inf	1.74E-22	2.80E-22
TCONS_00089670	0	75.021299 up	Inf	1.74E-22	2.80E-22
TCONS_00044135	0	75.007248 up	Inf	1.74E-22	2.80E-22
TCONS_00102579	2.2370781	74.966204 up	5.066552814	4.25E-21	6.51E-21
TCONS_00011808	0	74.966204 up	Inf	1.74E-22	2.80E-22
TCONS_00064946	0	74.84512 up	Inf	1.74E-22	2.80E-22
TCONS_00089251	0	74.763358 up	Inf	1.74E-22	2.80E-22
TCONS_00012199	0	74.741264 up	Inf	1.74E-22	2.80E-22

TCONS_00012955	0	74.638335 up	Inf	1.74E-22	2.80E-22
TCONS_00054890	0	74.619138 up	Inf	1.74E-22	2.80E-22
TCONS_00072492	0	74.546481 up	Inf	1.74E-22	2.80E-22
TCONS_00081801	0	74.446808 up	Inf	3.30E-22	5.26E-22
TCONS_00064302	0	74.321975 up	Inf	3.30E-22	5.26E-22
TCONS_00012122	0	74.275271 up	Inf	3.30E-22	5.26E-22
TCONS_00044147	0	74.275271 up	Inf	3.30E-22	5.26E-22
TCONS_00054413	0	74.1424 up	Inf	3.30E-22	5.26E-22
TCONS_00012700	3.1080568	74.109128 up	4.575566461	3.69E-20	5.47E-20
TCONS_00081648	0	74.093168 up	Inf	3.30E-22	5.26E-22
TCONS_00012670	0	74.019444 up	Inf	3.30E-22	5.26E-22
TCONS_00044064	0	74.019444 up	Inf	3.30E-22	5.26E-22
TCONS_00043193	0	73.934559 up	Inf	3.30E-22	5.26E-22
TCONS_00064551	7.6344729	73.799148 up	3.273003691	3.71E-17	4.95E-17
TCONS_00078757	0	73.799148 up	Inf	3.30E-22	5.26E-22
TCONS_00102591	0	73.757335 up	Inf	3.30E-22	5.26E-22
TCONS_00102528	0	73.68473 up	Inf	3.30E-22	5.26E-22
TCONS_00089510	0	73.678165 up	Inf	3.30E-22	5.26E-22
TCONS_00033061	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00043532	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00044138	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00054829	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00064643	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00072973	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00089033	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00096903	0	73.653011 up	Inf	3.30E-22	5.26E-22
TCONS_00011851	0	73.596958 up	Inf	3.30E-22	5.26E-22
TCONS_00012460	0	73.507451 up	Inf	3.30E-22	5.26E-22
TCONS_00089543	0	73.471151 up	Inf	6.27E-22	9.82E-22
TCONS_00081496	0	73.439152 up	Inf	6.27E-22	9.82E-22
TCONS_00088970	0	73.410731 up	Inf	6.27E-22	9.82E-22
TCONS_00089149	0	73.385321 up	Inf	6.27E-22	9.82E-22
TCONS_00012575	0	73.290188 up	Inf	6.27E-22	9.82E-22
TCONS_00043278	0	73.290188 up	Inf	6.27E-22	9.82E-22
TCONS_00072804	0	73.290188 up	Inf	6.27E-22	9.82E-22
TCONS_00089421	0	73.290188 up	Inf	6.27E-22	9.82E-22
TCONS_00012812	0	73.262427 up	Inf	6.27E-22	9.82E-22
TCONS_00064792	0	73.246186 up	Inf	6.27E-22	9.82E-22
TCONS_00102593	0	73.238648 up	Inf	6.27E-22	9.82E-22
TCONS_00081821	0	73.135785 up	Inf	6.27E-22	9.82E-22
TCONS_00064577	0	73.126448 up	Inf	6.27E-22	9.82E-22
TCONS_00012092	0	73.110114 up	Inf	6.27E-22	9.82E-22
TCONS_00089556	4.7154097	72.930922 up	3.951075596	1.26E-18	1.78E-18
TCONS_00012166	0	72.930922 up	Inf	6.27E-22	9.82E-22
TCONS_00018680	0	72.930922 up	Inf	6.27E-22	9.82E-22
TCONS_00018998	0	72.930922 up	Inf	6.27E-22	9.82E-22
TCONS_00025899	0	72.930922 up	Inf	6.27E-22	9.82E-22
TCONS_00043640	0	72.930922 up	Inf	6.27E-22	9.82E-22
TCONS_00055371	0	72.930922 up	Inf	6.27E-22	9.82E-22

TCONS_00096717	0	72.930922	up	Inf	6.27E-22	9.82E-22
TCONS_00096739	0	72.930922	up	Inf	6.27E-22	9.82E-22
TCONS_00072901	0	72.83129	up	Inf	6.27E-22	9.82E-22
TCONS_00043088	0	72.727205	up	Inf	6.27E-22	9.82E-22
TCONS_00037535	3.6368378	72.655191	up	4.320309406	3.05E-19	4.36E-19
TCONS_00012740	0	72.625772	up	Inf	6.27E-22	9.82E-22
TCONS_00032898	0	72.625772	up	Inf	6.27E-22	9.82E-22
TCONS_00032660	0	72.602405	up	Inf	6.27E-22	9.82E-22
TCONS_00018849	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00032726	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00044182	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00080999	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00081595	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00081725	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00089131	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00096410	0	72.575162	up	Inf	6.27E-22	9.82E-22
TCONS_00081111	5.6254011	72.504426	up	3.688041191	5.01E-18	6.82E-18
TCONS_00081576	0	72.39858	up	Inf	1.19E-21	1.84E-21
TCONS_00033066	0	72.293043	up	Inf	1.19E-21	1.84E-21
TCONS_00081592	0	72.259779	up	Inf	1.19E-21	1.84E-21
TCONS_00032688	0	72.245481	up	Inf	1.19E-21	1.84E-21
TCONS_00012243	0	72.222855	up	Inf	1.19E-21	1.84E-21
TCONS_00026158	0	72.222855	up	Inf	1.19E-21	1.84E-21
TCONS_00044235	0	72.222855	up	Inf	1.19E-21	1.84E-21
TCONS_00065031	0	72.222855	up	Inf	1.19E-21	1.84E-21
TCONS_00072624	0	72.222855	up	Inf	1.19E-21	1.84E-21
TCONS_00064341	0	72.181632	up	Inf	1.19E-21	1.84E-21
TCONS_00012619	0	72.135312	up	Inf	1.19E-21	1.84E-21
TCONS_00064524	0	72.023069	up	Inf	1.19E-21	1.84E-21
TCONS_00012750	0	71.909889	up	Inf	1.19E-21	1.84E-21
TCONS_00012131	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00055470	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00055628	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00064217	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00064272	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00081525	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00081831	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00088933	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00089675	0	71.873952	up	Inf	1.19E-21	1.84E-21
TCONS_00091143	0	71.804576	up	Inf	1.19E-21	1.84E-21
TCONS_00043823	0	71.648218	up	Inf	1.19E-21	1.84E-21
TCONS_00073097	0	71.648218	up	Inf	1.19E-21	1.84E-21
TCONS_00032912	3.699783	71.528405	up	4.273003691	5.76E-19	8.15E-19
TCONS_00055657	0	71.528405	up	Inf	1.19E-21	1.84E-21
TCONS_00072671	0	71.528405	up	Inf	1.19E-21	1.84E-21
TCONS_00013078	0	71.447582	up	Inf	2.26E-21	3.47E-21
TCONS_00081214	0	71.283612	up	Inf	2.26E-21	3.47E-21
TCONS_00018618	0	71.186163	up	Inf	2.26E-21	3.47E-21
TCONS_00018942	0	71.186163	up	Inf	2.26E-21	3.47E-21

TCONS_00044034	0	71.186163 up	Inf	2.26E-21	3.47E-21
TCONS_00013098	61.029654	71.168241 up	0.221723186	0.024543	0.0253332
TCONS_00055251	0	70.992064 up	Inf	2.26E-21	3.47E-21
TCONS_00025902	0	70.847182 up	Inf	2.26E-21	3.47E-21
TCONS_00032685	0	70.847182 up	Inf	2.26E-21	3.47E-21
TCONS_00054990	0	70.847182 up	Inf	2.26E-21	3.47E-21
TCONS_00064863	0	70.759282 up	Inf	2.26E-21	3.47E-21
TCONS_00102702	0	70.70289 up	Inf	2.26E-21	3.47E-21
TCONS_00013153	0	70.645338 up	Inf	2.26E-21	3.47E-21
TCONS_00102680	0	70.511413 up	Inf	2.26E-21	3.47E-21
TCONS_00013079	0	70.444641 up	Inf	4.29E-21	6.53E-21
TCONS_00044062	0	70.444641 up	Inf	4.29E-21	6.53E-21
TCONS_00064567	0	70.444641 up	Inf	4.29E-21	6.53E-21
TCONS_00012278	0	70.409853 up	Inf	4.29E-21	6.53E-21
TCONS_00055149	0	70.383117 up	Inf	4.29E-21	6.53E-21
TCONS_00096919	0	70.311475 up	Inf	4.29E-21	6.53E-21
TCONS_00018757	0	70.178812 up	Inf	4.29E-21	6.53E-21
TCONS_00055226	0	70.178812 up	Inf	4.29E-21	6.53E-21
TCONS_00043653	0	70.077104 up	Inf	4.29E-21	6.53E-21
TCONS_00043853	0	70.023377 up	Inf	4.29E-21	6.53E-21
TCONS_00067523	0	69.914982 up	Inf	4.29E-21	6.53E-21
TCONS_00072970	0	69.914982 up	Inf	4.29E-21	6.53E-21
TCONS_00064391	0	69.849334 up	Inf	4.29E-21	6.53E-21
TCONS_00089040	0	69.849334 up	Inf	4.29E-21	6.53E-21
TCONS_00019042	0	69.802518 up	Inf	4.29E-21	6.53E-21
TCONS_00019009	6.0121474	69.740195 up	3.536038097	3.32E-17	4.45E-17
TCONS_00012732	0	69.653128 up	Inf	4.29E-21	6.53E-21
TCONS_00055006	0	69.62304 up	Inf	4.29E-21	6.53E-21
TCONS_00012559	0	69.61588 up	Inf	4.29E-21	6.53E-21
TCONS_00011984	0	69.604249 up	Inf	4.29E-21	6.53E-21
TCONS_00011937	1.9998827	69.595205 up	5.121000598	1.05E-19	1.52E-19
TCONS_00072929	11.986836	69.522935 up	2.536038097	5.00E-14	6.23E-14
TCONS_00043696	4.4950635	69.522935 up	3.951075596	2.06E-18	2.86E-18
TCONS_00018574	0	69.522935 up	Inf	4.29E-21	6.53E-21
TCONS_00081159	0	69.522935 up	Inf	4.29E-21	6.53E-21
TCONS_00054718	0	69.430238 up	Inf	8.15E-21	1.23E-20
TCONS_00043489	0	69.376527 up	Inf	8.15E-21	1.23E-20
TCONS_00064910	0	69.264005 up	Inf	8.15E-21	1.23E-20
TCONS_00064558	0	69.21357 up	Inf	8.15E-21	1.23E-20
TCONS_00102714	0	69.199573 up	Inf	8.15E-21	1.23E-20
TCONS_00012068	0	69.153624 up	Inf	8.15E-21	1.23E-20
TCONS_00089214	29.248285	69.111904 up	1.240582214	1.51E-07	1.69E-07
TCONS_00054858	0	69.071069 up	Inf	8.15E-21	1.23E-20
TCONS_00072369	0	69.039017 up	Inf	8.15E-21	1.23E-20
TCONS_00012329	0	68.879204 up	Inf	8.15E-21	1.23E-20
TCONS_00012741	0	68.879204 up	Inf	8.15E-21	1.23E-20
TCONS_00043439	0	68.879204 up	Inf	8.15E-21	1.23E-20
TCONS_00081376	11.107894	68.72013 up	2.629147502	2.99E-14	3.74E-14
TCONS_00054971	0	68.654842 up	Inf	8.15E-21	1.23E-20

TCONS_00089424	0	68.654842	up	Inf	8.15E-21	1.23E-20
TCONS_00043888	0	68.640868	up	Inf	8.15E-21	1.23E-20
TCONS_00055611	0	68.625038	up	Inf	8.15E-21	1.23E-20
TCONS_00064382	0	68.431937	up	Inf	1.55E-20	2.32E-20
TCONS_00018711	0	68.404175	up	Inf	1.55E-20	2.32E-20
TCONS_00102669	0	68.404175	up	Inf	1.55E-20	2.32E-20
TCONS_00019043	0	68.336849	up	Inf	1.55E-20	2.32E-20
TCONS_00072902	0	68.280255	up	Inf	1.55E-20	2.32E-20
TCONS_00102422	0	68.247285	up	Inf	1.55E-20	2.32E-20
TCONS_00072995	0	68.210474	up	Inf	1.55E-20	2.32E-20
TCONS_00064830	0	68.12229	up	Inf	1.55E-20	2.32E-20
TCONS_00055232	0	68.057257	up	Inf	1.55E-20	2.32E-20
TCONS_00102330	0	67.990441	up	Inf	1.55E-20	2.32E-20
TCONS_00064621	0	67.935654	up	Inf	1.55E-20	2.32E-20
TCONS_00064649	0	67.873669	up	Inf	1.55E-20	2.32E-20
TCONS_00043680	0	67.780903	up	Inf	1.55E-20	2.32E-20
TCONS_00012943	0	67.51526	up	Inf	1.55E-20	2.32E-20
TCONS_00043622	0	67.51526	up	Inf	1.55E-20	2.32E-20
TCONS_00054935	0	67.51526	up	Inf	1.55E-20	2.32E-20
TCONS_00055686	0	67.51526	up	Inf	1.55E-20	2.32E-20
TCONS_00089201	5.2279543	67.38183	up	3.688041191	5.66E-17	7.53E-17
TCONS_00005721	0	67.38183	up	Inf	2.94E-20	4.36E-20
TCONS_00019126	0	67.38183	up	Inf	2.94E-20	4.36E-20
TCONS_00081593	0	67.199224	up	Inf	2.94E-20	4.36E-20
TCONS_00012952	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00018739	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00018774	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00026069	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00043220	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00043899	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00054396	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00064402	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00072888	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00072979	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00089188	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00089691	0	67.182672	up	Inf	2.94E-20	4.36E-20
TCONS_00043945	0	67.162821	up	Inf	2.94E-20	4.36E-20
TCONS_00019062	14.875416	67.103967	up	2.173468018	6.67E-12	7.98E-12
TCONS_00007202	0	67.017604	up	Inf	2.94E-20	4.36E-20
TCONS_00064693	0	66.911227	up	Inf	2.94E-20	4.36E-20
TCONS_00055390	0	66.878564	up	Inf	2.94E-20	4.36E-20
TCONS_00012229	0	66.853346	up	Inf	2.94E-20	4.36E-20
TCONS_00054780	0	66.853346	up	Inf	2.94E-20	4.36E-20
TCONS_00089503	0	66.853346	up	Inf	2.94E-20	4.36E-20
TCONS_00102451	0	66.853346	up	Inf	2.94E-20	4.36E-20
TCONS_00081782	0	66.836964	up	Inf	2.94E-20	4.36E-20
TCONS_00011998	0	66.717077	up	Inf	2.94E-20	4.36E-20
TCONS_00033019	33.752407	66.704072	up	0.982784456	6.57E-06	7.21E-06
TCONS_00019165	0	66.527232	up	Inf	2.94E-20	4.36E-20

TCONS_00043445	0	66.527232	up	Inf	2.94E-20	4.36E-20
TCONS_00064448	0	66.527232	up	Inf	2.94E-20	4.36E-20
TCONS_00081378	0	66.527232	up	Inf	2.94E-20	4.36E-20
TCONS_00072418	0	66.504059	up	Inf	2.94E-20	4.36E-20
TCONS_00072541	0	66.504059	up	Inf	2.94E-20	4.36E-20
TCONS_00096849	0	66.419233	up	Inf	5.59E-20	8.18E-20
TCONS_00054507	2.7097002	66.356867	up	4.614040609	6.13E-18	8.32E-18
TCONS_00055072	4.4125853	66.351527	up	3.910433612	2.62E-17	3.51E-17
TCONS_00043715	0	66.345187	up	Inf	5.59E-20	8.18E-20
TCONS_00054454	0	66.345187	up	Inf	5.59E-20	8.18E-20
TCONS_00055402	0	66.328123	up	Inf	5.59E-20	8.18E-20
TCONS_00043270	0	66.222143	up	Inf	5.59E-20	8.18E-20
TCONS_00013180	0	66.204284	up	Inf	5.59E-20	8.18E-20
TCONS_00043304	0	66.204284	up	Inf	5.59E-20	8.18E-20
TCONS_00064829	0	66.204284	up	Inf	5.59E-20	8.18E-20
TCONS_00081718	0	66.204284	up	Inf	5.59E-20	8.18E-20
TCONS_00096485	0	66.204284	up	Inf	5.59E-20	8.18E-20
TCONS_00073127	0	66.175939	up	Inf	5.59E-20	8.18E-20
TCONS_00064284	0	66.072215	up	Inf	5.59E-20	8.18E-20
TCONS_00012481	0	66.056286	up	Inf	5.59E-20	8.18E-20
TCONS_00054853	0	66.056286	up	Inf	5.59E-20	8.18E-20
TCONS_00011933	0	65.998325	up	Inf	5.59E-20	8.18E-20
TCONS_00102691	0	65.904355	up	Inf	5.59E-20	8.18E-20
TCONS_00032803	0	65.884456	up	Inf	5.59E-20	8.18E-20
TCONS_00043604	0	65.884456	up	Inf	5.59E-20	8.18E-20
TCONS_00081051	0	65.884456	up	Inf	5.59E-20	8.18E-20
TCONS_00081375	0	65.884456	up	Inf	5.59E-20	8.18E-20
TCONS_00043983	0	65.865739	up	Inf	5.59E-20	8.18E-20
TCONS_00054598	0	65.831452	up	Inf	5.59E-20	8.18E-20
TCONS_00072827	0	65.831452	up	Inf	5.59E-20	8.18E-20
TCONS_00011731	0	65.795061	up	Inf	5.59E-20	8.18E-20
TCONS_00073136	0	65.748332	up	Inf	5.59E-20	8.18E-20
TCONS_00102632	0	65.748332	up	Inf	5.59E-20	8.18E-20
TCONS_00085105	8.990127	65.66055	up	2.868613436	1.82E-14	2.29E-14
TCONS_00026060	0	65.567704	up	Inf	5.59E-20	8.18E-20
TCONS_00055703	0	65.567704	up	Inf	5.59E-20	8.18E-20
TCONS_00064889	0	65.567704	up	Inf	5.59E-20	8.18E-20
TCONS_00073000	0	65.567704	up	Inf	5.59E-20	8.18E-20
TCONS_00096478	0	65.567704	up	Inf	5.59E-20	8.18E-20
TCONS_00043427	0	65.462796	up	Inf	1.06E-19	1.54E-19
TCONS_00072521	0	65.445344	up	Inf	1.06E-19	1.54E-19
TCONS_00012617	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00043390	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00044052	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00064366	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00081363	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00081589	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00096799	0	65.253983	up	Inf	1.06E-19	1.54E-19
TCONS_00013088	0	65.116895	up	Inf	1.06E-19	1.54E-19

TCONS_00054552	41. 324546	65. 098246 up	0. 655619713	0. 000347	0. 0003723
TCONS_00081541	0	65. 098246 up	Inf	1. 06E-19	1. 54E-19
TCONS_00064180	0	65. 040036 up	Inf	1. 06E-19	1. 54E-19
TCONS_00012516	0	64. 94325 up	Inf	1. 06E-19	1. 54E-19
TCONS_00032947	0	64. 94325 up	Inf	1. 06E-19	1. 54E-19
TCONS_00043246	0	64. 94325 up	Inf	1. 06E-19	1. 54E-19
TCONS_00032829	8. 3890429	64. 8746 up	2. 951075596	1. 00E-14	1. 27E-14
TCONS_00025795	0	64. 8746 up	Inf	1. 06E-19	1. 54E-19
TCONS_00089146	0	64. 749117 up	Inf	1. 06E-19	1. 54E-19
TCONS_00064568	0	64. 716176 up	Inf	1. 06E-19	1. 54E-19
TCONS_00018856	0	64. 635462 up	Inf	1. 06E-19	1. 54E-19
TCONS_00043111	0	64. 635462 up	Inf	1. 06E-19	1. 54E-19
TCONS_00096573	0	64. 635462 up	Inf	1. 06E-19	1. 54E-19
TCONS_00043863	0	64. 538871 up	Inf	1. 06E-19	1. 54E-19
TCONS_00078263	0	64. 455769 up	Inf	2. 02E-19	2. 90E-19
TCONS_00033144	0	64. 440004 up	Inf	2. 02E-19	2. 90E-19
TCONS_00064985	0	64. 406529 up	Inf	2. 02E-19	2. 90E-19
TCONS_00088977	0	64. 406529 up	Inf	2. 02E-19	2. 90E-19
TCONS_00011812	0	64. 330578 up	Inf	2. 02E-19	2. 90E-19
TCONS_00043159	0	64. 330578 up	Inf	2. 02E-19	2. 90E-19
TCONS_00081825	0	64. 306311 up	Inf	2. 02E-19	2. 90E-19
TCONS_00044019	0	64. 259258 up	Inf	2. 02E-19	2. 90E-19
TCONS_00043065	0	64. 214079 up	Inf	2. 02E-19	2. 90E-19
TCONS_00033078	0	64. 050035 up	Inf	2. 02E-19	2. 90E-19
TCONS_00044007	0	64. 028556 up	Inf	2. 02E-19	2. 90E-19
TCONS_00064188	0	63. 991003 up	Inf	2. 02E-19	2. 90E-19
TCONS_00054761	0	63. 979847 up	Inf	2. 02E-19	2. 90E-19
TCONS_00055553	0	63. 97135 up	Inf	2. 02E-19	2. 90E-19
TCONS_00081070	0	63. 90854 up	Inf	2. 02E-19	2. 90E-19
TCONS_00026045	0	63. 853683 up	Inf	2. 02E-19	2. 90E-19
TCONS_00054840	0	63. 785244 up	Inf	2. 02E-19	2. 90E-19
TCONS_00018971	4. 4950635	63. 729357 up	3. 825544714	9. 37E-17	1. 24E-16
TCONS_00044026	0	63. 729357 up	Inf	2. 02E-19	2. 90E-19
TCONS_00055306	0	63. 706458 up	Inf	2. 02E-19	2. 90E-19
TCONS_00096639	0	63. 689675 up	Inf	2. 02E-19	2. 90E-19
TCONS_00018949	0	63. 651765 up	Inf	2. 02E-19	2. 90E-19
TCONS_00032699	0	63. 580804 up	Inf	2. 02E-19	2. 90E-19
TCONS_00081101	0	63. 580804 up	Inf	2. 02E-19	2. 90E-19
TCONS_00054803	0	63. 550059 up	Inf	2. 02E-19	2. 90E-19
TCONS_00055409	0	63. 472304 up	Inf	3. 84E-19	5. 45E-19
TCONS_00012936	0	63. 418193 up	Inf	3. 84E-19	5. 45E-19
TCONS_00018571	0	63. 418193 up	Inf	3. 84E-19	5. 45E-19
TCONS_00055538	0	63. 348757 up	Inf	3. 84E-19	5. 45E-19
TCONS_00011915	0	63. 310248 up	Inf	3. 84E-19	5. 45E-19
TCONS_00019084	0	63. 285766 up	Inf	3. 84E-19	5. 45E-19
TCONS_00096568	0	63. 256412 up	Inf	3. 84E-19	5. 45E-19
TCONS_00043607	0	63. 206799 up	Inf	3. 84E-19	5. 45E-19
TCONS_00026129	0	63. 194998 up	Inf	3. 84E-19	5. 45E-19
TCONS_00054395	0	63. 175831 up	Inf	3. 84E-19	5. 45E-19

TCONS_00012818	0	63.149016	up	Inf	3.84E-19	5.45E-19
TCONS_00011925	0	63.139271	up	Inf	3.84E-19	5.45E-19
TCONS_00080984	0	63.139271	up	Inf	3.84E-19	5.45E-19
TCONS_00096950	0	63.139271	up	Inf	3.84E-19	5.45E-19
TCONS_00089676	0	63.1049	up	Inf	3.84E-19	5.45E-19
TCONS_00054519	0	63.075392	up	Inf	3.84E-19	5.45E-19
TCONS_00072932	0	63.041984	up	Inf	3.84E-19	5.45E-19
TCONS_00043416	0	62.975273	up	Inf	3.84E-19	5.45E-19
TCONS_00089316	0	62.935314	up	Inf	3.84E-19	5.45E-19
TCONS_00018975	0	62.738167	up	Inf	3.84E-19	5.45E-19
TCONS_00102490	0	62.587354	up	Inf	3.84E-19	5.45E-19
TCONS_00102305	6.9204575	62.437264	up	3.173468018	1.86E-14	2.33E-14
TCONS_00096591	0	62.437264	up	Inf	7.30E-19	1.03E-18
TCONS_00025767	0	62.421779	up	Inf	7.30E-19	1.03E-18
TCONS_00102775	0	62.250662	up	Inf	7.30E-19	1.03E-18
TCONS_00102573	0	62.230633	up	Inf	7.30E-19	1.03E-18
TCONS_00043510	0	62.213475	up	Inf	7.30E-19	1.03E-18
TCONS_00064312	0	62.198613	up	Inf	7.30E-19	1.03E-18
TCONS_00025859	0	62.110728	up	Inf	7.30E-19	1.03E-18
TCONS_00043044	0	61.991284	up	Inf	7.30E-19	1.03E-18
TCONS_00064869	8.8483641	61.909824	up	2.806685687	2.12E-13	2.61E-13
TCONS_00012469	0	61.785333	up	Inf	7.30E-19	1.03E-18
TCONS_00018822	0	61.734059	up	Inf	7.30E-19	1.03E-18
TCONS_00096660	0	61.697486	up	Inf	7.30E-19	1.03E-18
TCONS_00089571	0	61.68287	up	Inf	7.30E-19	1.03E-18
TCONS_00012020	0	61.377509	up	Inf	1.39E-18	1.94E-18
TCONS_00032969	0	61.377509	up	Inf	1.39E-18	1.94E-18
TCONS_00064487	0	61.377509	up	Inf	1.39E-18	1.94E-18
TCONS_00064546	0	61.377509	up	Inf	1.39E-18	1.94E-18
TCONS_00102486	0	61.377509	up	Inf	1.39E-18	1.94E-18
TCONS_00102817	0	61.377509	up	Inf	1.39E-18	1.94E-18
TCONS_00012366	0	61.270455	up	Inf	1.39E-18	1.94E-18
TCONS_00081022	0	61.118167	up	Inf	1.39E-18	1.94E-18
TCONS_00064808	0	61.09286	up	Inf	1.39E-18	1.94E-18
TCONS_00012839	0	61.075157	up	Inf	1.39E-18	1.94E-18
TCONS_00025948	0	61.075157	up	Inf	1.39E-18	1.94E-18
TCONS_00054837	0	61.075157	up	Inf	1.39E-18	1.94E-18
TCONS_00081243	0	61.075157	up	Inf	1.39E-18	1.94E-18
TCONS_00096746	0	61.075157	up	Inf	1.39E-18	1.94E-18
TCONS_00096781	0	61.075157	up	Inf	1.39E-18	1.94E-18
TCONS_00012548	0	61.027689	up	Inf	1.39E-18	1.94E-18
TCONS_00026023	0	60.975033	up	Inf	1.39E-18	1.94E-18
TCONS_00102673	0	60.975033	up	Inf	1.39E-18	1.94E-18
TCONS_00102635	4.7154097	60.775769	up	3.688041191	2.53E-15	3.23E-15
TCONS_00012106	0	60.775769	up	Inf	1.39E-18	1.94E-18
TCONS_00013212	0	60.775769	up	Inf	1.39E-18	1.94E-18
TCONS_00026258	0	60.775769	up	Inf	1.39E-18	1.94E-18
TCONS_00064882	0	60.775769	up	Inf	1.39E-18	1.94E-18
TCONS_00072607	0	60.775769	up	Inf	1.39E-18	1.94E-18

TCONS_00089617	0	60.664253	up	Inf	1.39E-18	1.94E-18
TCONS_00096856	0	60.592984	up	Inf	1.39E-18	1.94E-18
TCONS_00089130	0	60.577802	up	Inf	1.39E-18	1.94E-18
TCONS_00012592	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00012821	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00019125	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00025850	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00026108	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00032872	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00054884	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00055598	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00064267	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00064465	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00073157	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00081523	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00102774	0	60.479301	up	Inf	2.64E-18	3.62E-18
TCONS_00023494	4.6847902	60.381121	up	3.688041191	4.76E-15	6.05E-15
TCONS_00012527	21.281938	60.345498	up	1.50361662	5.36E-08	6.02E-08
TCONS_00012290	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00013126	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00019053	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00044088	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00054518	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00064622	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00064784	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00072641	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00081671	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00096436	0	60.185713	up	Inf	2.64E-18	3.62E-18
TCONS_00012844	0	60.164851	up	Inf	2.64E-18	3.62E-18
TCONS_00055294	0	59.947615	up	Inf	2.64E-18	3.62E-18
TCONS_00012047	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00012270	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00012563	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00012728	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00026145	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00054575	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00055196	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00072445	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00089643	0	59.89496	up	Inf	2.64E-18	3.62E-18
TCONS_00043750	0	59.853654	up	Inf	2.64E-18	3.62E-18
TCONS_00102641	0	59.853654	up	Inf	2.64E-18	3.62E-18
TCONS_00043342	0	59.750635	up	Inf	2.64E-18	3.62E-18
TCONS_00064411	0	59.750635	up	Inf	2.64E-18	3.62E-18
TCONS_00025821	5.4501053	59.708319	up	3.453575937	4.76E-15	6.05E-15
TCONS_00096851	0	59.637185	up	Inf	2.64E-18	3.62E-18
TCONS_00081740	42.547505	59.607004	up	0.486407329	0.003745	0.0039549
TCONS_00011791	0	59.607004	up	Inf	2.64E-18	3.62E-18
TCONS_00012056	0	59.607004	up	Inf	2.64E-18	3.62E-18
TCONS_00018865	0	59.607004	up	Inf	2.64E-18	3.62E-18

TCONS_00026064	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00054500	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00064194	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00064250	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00064498	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00064700	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00102706	0 59. 607004 up	Inf	2. 64E-18	3. 62E-18
TCONS_00055394	0 59. 443697 up	Inf	5. 02E-18	6. 82E-18
TCONS_00096511	0 59. 443697 up	Inf	5. 02E-18	6. 82E-18
TCONS_00011800	0 59. 321803 up	Inf	5. 02E-18	6. 82E-18
TCONS_00019164	0 59. 321803 up	Inf	5. 02E-18	6. 82E-18
TCONS_00026144	0 59. 321803 up	Inf	5. 02E-18	6. 82E-18
TCONS_00054523	0 59. 321803 up	Inf	5. 02E-18	6. 82E-18
TCONS_00054824	0 59. 321803 up	Inf	5. 02E-18	6. 82E-18
TCONS_00064505	0 59. 296011 up	Inf	5. 02E-18	6. 82E-18
TCONS_00089106	0 59. 296011 up	Inf	5. 02E-18	6. 82E-18
TCONS_00018915	0 59. 215555 up	Inf	5. 02E-18	6. 82E-18
TCONS_00102627	0 59. 195921 up	Inf	5. 02E-18	6. 82E-18
TCONS_00012452	0 59. 039318 up	Inf	5. 02E-18	6. 82E-18
TCONS_00055262	0 59. 039318 up	Inf	5. 02E-18	6. 82E-18
TCONS_00055329	0 59. 039318 up	Inf	5. 02E-18	6. 82E-18
TCONS_00064395	0 59. 039318 up	Inf	5. 02E-18	6. 82E-18
TCONS_00089134	0 59. 039318 up	Inf	5. 02E-18	6. 82E-18
TCONS_00055539	0 58. 89172 up	Inf	5. 02E-18	6. 82E-18
TCONS_00064408	0 58. 805961 up	Inf	5. 02E-18	6. 82E-18
TCONS_00055286	0 58. 784838 up	Inf	5. 02E-18	6. 82E-18
TCONS_00064623	0 58. 759511 up	Inf	5. 02E-18	6. 82E-18
TCONS_00102419	0 58. 759511 up	Inf	5. 02E-18	6. 82E-18
TCONS_00089544	0 58. 710408 up	Inf	5. 02E-18	6. 82E-18
TCONS_00054656	0 58. 482343 up	Inf	9. 54E-18	1. 29E-17
TCONS_00012087	0 58. 377442 up	Inf	9. 54E-18	1. 29E-17
TCONS_00013075	0 58. 26857 up	Inf	9. 54E-18	1. 29E-17
TCONS_00055375	0 58. 246844 up	Inf	9. 54E-18	1. 29E-17
TCONS_00011854	0 58. 207778 up	Inf	9. 54E-18	1. 29E-17
TCONS_00081358	0 58. 207778 up	Inf	9. 54E-18	1. 29E-17
TCONS_00043329	0 57. 935779 up	Inf	9. 54E-18	1. 29E-17
TCONS_00072677	0 57. 911178 up	Inf	9. 54E-18	1. 29E-17
TCONS_00043633	0 57. 858532 up	Inf	9. 54E-18	1. 29E-17
TCONS_00072514	0 57. 788485 up	Inf	9. 54E-18	1. 29E-17
TCONS_00073092	0 57. 755855 up	Inf	9. 54E-18	1. 29E-17
TCONS_00096356	0 57. 745306 up	Inf	9. 54E-18	1. 29E-17
TCONS_00064388	0 57. 595814 up	Inf	9. 54E-18	1. 29E-17
TCONS_00089668	8. 1176674 57. 544652 up	2. 825544714	7. 58E-13	9. 23E-13
TCONS_00012867	0 57. 532514 up	Inf	9. 54E-18	1. 29E-17
TCONS_00043401	0 57. 443661 up	Inf	1. 81E-17	2. 43E-17
TCONS_00096429	0 57. 399337 up	Inf	1. 81E-17	2. 43E-17
TCONS_00011823	0 57. 302868 up	Inf	1. 81E-17	2. 43E-17
TCONS_00033090	0 57. 00348 up	Inf	1. 81E-17	2. 43E-17
TCONS_00055644	0 56. 872738 up	Inf	1. 81E-17	2. 43E-17

TCONS_00096904	0	56.768575	up	Inf	1.81E-17	2.43E-17
TCONS_00044156	0	56.752584	up	Inf	1.81E-17	2.43E-17
TCONS_00012090	0	56.737785	up	Inf	1.81E-17	2.43E-17
TCONS_00064159	0	56.641782	up	Inf	1.81E-17	2.43E-17
TCONS_00012241	0	56.613045	up	Inf	1.81E-17	2.43E-17
TCONS_00081689	0	56.613045	up	Inf	1.81E-17	2.43E-17
TCONS_00011907	0	56.438467	up	Inf	3.45E-17	4.60E-17
TCONS_00054503	0	56.355713	up	Inf	3.45E-17	4.60E-17
TCONS_00096845	0	56.355713	up	Inf	3.45E-17	4.60E-17
TCONS_00012902	0	56.221212	up	Inf	3.45E-17	4.60E-17
TCONS_00081236	0	55.931986	up	Inf	3.45E-17	4.60E-17
TCONS_00064680	0	55.752333	up	Inf	3.45E-17	4.60E-17
TCONS_00064334	0	55.653023	up	Inf	3.45E-17	4.60E-17
TCONS_00054869	0	55.633204	up	Inf	3.45E-17	4.60E-17
TCONS_00012054	0	55.597564	up	Inf	3.45E-17	4.60E-17
TCONS_00081267	0	55.597564	up	Inf	3.45E-17	4.60E-17
TCONS_00011824	0	55.486026	up	Inf	6.57E-17	8.68E-17
TCONS_00081072	0	55.455462	up	Inf	6.57E-17	8.68E-17
TCONS_00089276	0	55.349361	up	Inf	6.57E-17	8.68E-17
TCONS_00073051	0	55.214909	up	Inf	6.57E-17	8.68E-17
TCONS_00102606	0	55.197719	up	Inf	6.57E-17	8.68E-17
TCONS_00072619	0	55.031427	up	Inf	6.57E-17	8.68E-17
TCONS_00012026	0	54.981183	up	Inf	6.57E-17	8.68E-17
TCONS_00012638	0	54.967641	up	Inf	6.57E-17	8.68E-17
TCONS_00033010	0	54.967641	up	Inf	6.57E-17	8.68E-17
TCONS_00043447	0	54.967641	up	Inf	6.57E-17	8.68E-17
TCONS_00102446	0	54.967641	up	Inf	6.57E-17	8.68E-17
TCONS_00102679	0	54.956812	up	Inf	6.57E-17	8.68E-17
TCONS_00018929	9.1323758	54.928986	up	2.588505517	1.52E-11	1.80E-11
TCONS_00102752	0	54.822224	up	Inf	6.57E-17	8.68E-17
TCONS_00043311	0	54.698192	up	Inf	6.57E-17	8.68E-17
TCONS_00043471	0	54.698192	up	Inf	6.57E-17	8.68E-17
TCONS_00043474	0	54.698192	up	Inf	6.57E-17	8.68E-17
TCONS_00081025	0	54.698192	up	Inf	6.57E-17	8.68E-17
TCONS_00018669	0	54.636386	up	Inf	6.57E-17	8.68E-17
TCONS_00043137	0	54.617871	up	Inf	6.57E-17	8.68E-17
TCONS_00096749	0	54.583521	up	Inf	6.57E-17	8.68E-17
TCONS_00012856	0	54.497832	up	Inf	1.25E-16	1.64E-16
TCONS_00032662	0	54.431371	up	Inf	1.25E-16	1.64E-16
TCONS_00096648	0	54.431371	up	Inf	1.25E-16	1.64E-16
TCONS_00033032	2.2164599	54.278083	up	4.614040609	2.98E-15	3.81E-15
TCONS_00064170	0	54.119375	up	Inf	1.25E-16	1.64E-16
TCONS_00026315	0	54.073394	up	Inf	1.25E-16	1.64E-16
TCONS_00012863	0	54.035986	up	Inf	1.25E-16	1.64E-16
TCONS_00013144	0	53.905464	up	Inf	1.25E-16	1.64E-16
TCONS_00054721	0	53.905464	up	Inf	1.25E-16	1.64E-16
TCONS_00064638	0	53.905464	up	Inf	1.25E-16	1.64E-16
TCONS_00072949	0	53.905464	up	Inf	1.25E-16	1.64E-16
TCONS_00081645	0	53.672107	up	Inf	1.25E-16	1.64E-16

TCONS_00019110	0	53.646303 up	Inf	1.25E-16	1.64E-16
TCONS_00044118	0	53.646303 up	Inf	1.25E-16	1.64E-16
TCONS_00072399	0	53.646303 up	Inf	1.25E-16	1.64E-16
TCONS_00088995	0	53.646303 up	Inf	1.25E-16	1.64E-16
TCONS_00096678	0	53.646303 up	Inf	1.25E-16	1.64E-16
TCONS_00032648	0	53.482676 up	Inf	2.38E-16	3.11E-16
TCONS_00054669	0	53.389623 up	Inf	2.38E-16	3.11E-16
TCONS_00089427	0	53.341337 up	Inf	2.38E-16	3.11E-16
TCONS_00089487	0	53.287637 up	Inf	2.38E-16	3.11E-16
TCONS_00055101	0	53.193841 up	Inf	2.38E-16	3.11E-16
TCONS_00043703	0	53.182871 up	Inf	2.38E-16	3.11E-16
TCONS_00012978	0	53.135386 up	Inf	2.38E-16	3.11E-16
TCONS_00096417	0	53.066469 up	Inf	2.38E-16	3.11E-16
TCONS_00054434	0	52.967236 up	Inf	2.38E-16	3.11E-16
TCONS_00102590	0	52.88356 up	Inf	2.38E-16	3.11E-16
TCONS_00055600	0	52.534986 up	Inf	2.38E-16	3.11E-16
TCONS_00072752	0	52.387001 up	Inf	4.53E-16	5.88E-16
TCONS_00102567	0	52.387001 up	Inf	4.53E-16	5.88E-16
TCONS_00089396	0	52.239846 up	Inf	4.53E-16	5.88E-16
TCONS_00089256	0	52.170883 up	Inf	4.53E-16	5.88E-16
TCONS_00043709	0	52.142202 up	Inf	4.53E-16	5.88E-16
TCONS_00064747	0	52.142202 up	Inf	4.53E-16	5.88E-16
TCONS_00089052	0	52.116566 up	Inf	4.53E-16	5.88E-16
TCONS_00064708	0	51.89968 up	Inf	4.53E-16	5.88E-16
TCONS_00089649	0	51.89968 up	Inf	4.53E-16	5.88E-16
TCONS_00012730	4.0080983	51.659403 up	3.688041191	1.93E-13	2.38E-13
TCONS_00011729	0	51.525223 up	Inf	4.53E-16	5.88E-16
TCONS_00055619	0	51.445049 up	Inf	8.63E-16	1.11E-15
TCONS_00055580	0	51.021633 up	Inf	8.63E-16	1.11E-15
TCONS_00080987	0	50.995401 up	Inf	8.63E-16	1.11E-15
TCONS_00043752	0	50.95174 up	Inf	8.63E-16	1.11E-15
TCONS_00081380	0	50.95174 up	Inf	8.63E-16	1.11E-15
TCONS_00054947	0	50.720141 up	Inf	8.63E-16	1.11E-15
TCONS_00043164	0	50.60513 up	Inf	8.63E-16	1.11E-15
TCONS_00012782	0	50.536373 up	Inf	8.63E-16	1.11E-15
TCONS_00044082	0	50.525811 up	Inf	8.63E-16	1.11E-15
TCONS_00011938	0	50.511417 up	Inf	8.63E-16	1.11E-15
TCONS_00102670	0	50.490639 up	Inf	1.64E-15	2.10E-15
TCONS_00081660	0	50.289341 up	Inf	1.64E-15	2.10E-15
TCONS_00043566	0	50.263203 up	Inf	1.64E-15	2.10E-15
TCONS_00018917	0	50.211009 up	Inf	1.64E-15	2.10E-15
TCONS_00055163	3.8945085	50.195372 up	3.688041191	6.88E-13	8.37E-13
TCONS_00089423	0	50.18342 up	Inf	1.64E-15	2.10E-15
TCONS_00012107	0	50.140009 up	Inf	1.64E-15	2.10E-15
TCONS_00088945	0	49.925866 up	Inf	1.64E-15	2.10E-15
TCONS_00064573	0	49.865018 up	Inf	1.64E-15	2.10E-15
TCONS_00012411	0	49.814425 up	Inf	1.64E-15	2.10E-15
TCONS_00064716	0	49.746092 up	Inf	1.64E-15	2.10E-15
TCONS_00044079	0	49.725629 up	Inf	1.64E-15	2.10E-15

TCONS_00096839	0	49.703479 up	Inf	1.64E-15	2.10E-15
TCONS_00054544	0	49.469354 up	Inf	3.13E-15	3.99E-15
TCONS_00054871	0	49.440901 up	Inf	3.13E-15	3.99E-15
TCONS_00012850	0	49.413342 up	Inf	3.13E-15	3.99E-15
TCONS_00043974	0	49.38509 up	Inf	3.13E-15	3.99E-15
TCONS_00072393	0	49.38509 up	Inf	3.13E-15	3.99E-15
TCONS_00089506	8.5127751	49.373589 up	2.536038097	5.68E-10	6.58E-10
TCONS_00102561	0	49.373589 up	Inf	3.13E-15	3.99E-15
TCONS_00043073	0	49.311249 up	Inf	3.13E-15	3.99E-15
TCONS_00089477	0	49.156084 up	Inf	3.13E-15	3.99E-15
TCONS_00013070	0	49.004968 up	Inf	3.13E-15	3.99E-15
TCONS_00011832	0	48.860125 up	Inf	3.13E-15	3.99E-15
TCONS_00043993	0	48.740076 up	Inf	3.13E-15	3.99E-15
TCONS_00012479	0	48.620615 up	Inf	3.13E-15	3.99E-15
TCONS_00081715	0	48.620615 up	Inf	3.13E-15	3.99E-15
TCONS_00032907	0	48.514918 up	Inf	3.13E-15	3.99E-15
TCONS_00089050	12.533467	48.462242 up	1.951075596	5.16E-08	5.79E-08
TCONS_00081335	0	48.14857 up	Inf	5.96E-15	7.55E-15
TCONS_00072412	0	48.055259 up	Inf	5.96E-15	7.55E-15
TCONS_00012762	0	47.915968 up	Inf	5.96E-15	7.55E-15
TCONS_00033194	0	47.915968 up	Inf	5.96E-15	7.55E-15
TCONS_00072550	0	47.915968 up	Inf	5.96E-15	7.55E-15
TCONS_00043553	0	47.902356 up	Inf	5.96E-15	7.55E-15
TCONS_00096878	0	47.890262 up	Inf	5.96E-15	7.55E-15
TCONS_00055011	0	47.808188 up	Inf	5.96E-15	7.55E-15
TCONS_00026116	0	47.800508 up	Inf	5.96E-15	7.55E-15
TCONS_00072903	0	47.800508 up	Inf	5.96E-15	7.55E-15
TCONS_00013027	0	47.685603 up	Inf	5.96E-15	7.55E-15
TCONS_00043185	0	47.685603 up	Inf	5.96E-15	7.55E-15
TCONS_00054476	0	47.685603 up	Inf	5.96E-15	7.55E-15
TCONS_00064676	0	47.685603 up	Inf	5.96E-15	7.55E-15
TCONS_00088993	0	47.577961 up	Inf	5.96E-15	7.55E-15
TCONS_00030109	0	47.563645 up	Inf	5.96E-15	7.55E-15
TCONS_00081183	4.6026009	47.457442 up	3.366113096	1.73E-11	2.06E-11
TCONS_00055108	0	47.457442 up	Inf	1.14E-14	1.43E-14
TCONS_00054406	0	47.321591 up	Inf	1.14E-14	1.43E-14
TCONS_00043287	0	47.252884 up	Inf	1.14E-14	1.43E-14
TCONS_00081071	7.3244436	47.201485 up	2.688041191	2.02E-10	2.36E-10
TCONS_00012401	0	47.081988 up	Inf	1.14E-14	1.43E-14
TCONS_00055419	0	47.081988 up	Inf	1.14E-14	1.43E-14
TCONS_00102302	3.8400942	47.019337 up	3.614040609	4.62E-12	5.54E-12
TCONS_00025947	0	46.89648 up	Inf	1.14E-14	1.43E-14
TCONS_00032863	0	46.884164 up	Inf	1.14E-14	1.43E-14
TCONS_00064491	0	46.866263 up	Inf	1.14E-14	1.43E-14
TCONS_00012571	0	46.785875 up	Inf	1.14E-14	1.43E-14
TCONS_00055633	0	46.785875 up	Inf	1.14E-14	1.43E-14
TCONS_00012717	0	46.660106 up	Inf	1.14E-14	1.43E-14
TCONS_00074078	0	46.660106 up	Inf	1.14E-14	1.43E-14
TCONS_00025978	0	46.566223 up	Inf	1.14E-14	1.43E-14

TCONS_00072480	0	46.566223	up	Inf	1.14E-14	1.43E-14
TCONS_00065002	0	46.546357	up	Inf	1.14E-14	1.43E-14
TCONS_00043520	0	46.448801	up	Inf	2.16E-14	2.71E-14
TCONS_00081437	0	46.442982	up	Inf	2.16E-14	2.71E-14
TCONS_00012860	0	46.348624	up	Inf	2.16E-14	2.71E-14
TCONS_00043900	0	46.300544	up	Inf	2.16E-14	2.71E-14
TCONS_00025879	0	46.182618	up	Inf	2.16E-14	2.71E-14
TCONS_00026314	0	46.133049	up	Inf	2.16E-14	2.71E-14
TCONS_00096574	0	46.133049	up	Inf	2.16E-14	2.71E-14
TCONS_00000811	3.562754	45.91947	up	3.688041191	8.71E-12	1.04E-11
TCONS_00055055	0	45.91947	up	Inf	2.16E-14	2.71E-14
TCONS_00013136	0	45.765377	up	Inf	2.16E-14	2.71E-14
TCONS_00018959	3.5496073	45.750025	up	3.688041191	8.71E-12	1.04E-11
TCONS_00032901	0	45.602784	up	Inf	2.16E-14	2.71E-14
TCONS_00033165	0	45.460275	up	Inf	4.13E-14	5.14E-14
TCONS_00032642	0	45.301323	up	Inf	4.13E-14	5.14E-14
TCONS_00089212	10.798244	45.232181	up	2.066552814	4.52E-08	5.08E-08
TCONS_00011734	0	45.221605	up	Inf	4.13E-14	5.14E-14
TCONS_00025882	0	45.175835	up	Inf	4.13E-14	5.14E-14
TCONS_00102399	0	45.021603	up	Inf	4.13E-14	5.14E-14
TCONS_00018896	0	44.993674	up	Inf	4.13E-14	5.14E-14
TCONS_00032944	0	44.75905	up	Inf	4.13E-14	5.14E-14
TCONS_00012431	3.1539134	44.715025	up	3.825544714	4.13E-12	4.96E-12
TCONS_00032797	25.704556	44.598046	up	0.794956395	0.001049	0.0011169
TCONS_00011759	0	44.544635	up	Inf	4.13E-14	5.14E-14
TCONS_00054464	0	44.544635	up	Inf	4.13E-14	5.14E-14
TCONS_00036889	27.19781	44.279489	up	0.703148083	0.002381	0.0025251
TCONS_00055332	0	44.279489	up	Inf	7.87E-14	9.74E-14
TCONS_00072895	0	44.279489	up	Inf	7.87E-14	9.74E-14
TCONS_00072946	0	44.279489	up	Inf	7.87E-14	9.74E-14
TCONS_00072971	0	44.279489	up	Inf	7.87E-14	9.74E-14
TCONS_00096415	0	44.279489	up	Inf	7.87E-14	9.74E-14
TCONS_00055609	0	44.136189	up	Inf	7.87E-14	9.74E-14
TCONS_00011804	0	43.993814	up	Inf	7.87E-14	9.74E-14
TCONS_00043562	0	43.930831	up	Inf	7.87E-14	9.74E-14
TCONS_00089583	2.4230317	43.721812	up	4.173468018	1.84E-12	2.22E-12
TCONS_00081407	0	43.655834	up	Inf	7.87E-14	9.74E-14
TCONS_00072906	0	43.502655	up	Inf	7.87E-14	9.74E-14
TCONS_00088919	0	43.375826	up	Inf	1.50E-13	1.85E-13
TCONS_00018731	0	43.368388	up	Inf	1.50E-13	1.85E-13
TCONS_00089760	3.3634391	43.350548	up	3.688041191	1.48E-11	1.76E-11
TCONS_00089194	5.1717397	43.327242	up	3.066552814	2.14E-10	2.49E-10
TCONS_00025996	0	43.327242	up	Inf	1.50E-13	1.85E-13
TCONS_00064860	0	43.312688	up	Inf	1.50E-13	1.85E-13
TCONS_00064557	1.5979129	43.249733	up	4.758430519	3.49E-12	4.21E-12
TCONS_00043244	20.110319	43.199501	up	1.10307869	0.000111	0.0001193
TCONS_00072890	0	43.178009	up	Inf	1.50E-13	1.85E-13
TCONS_00055052	0	43.124372	up	Inf	1.50E-13	1.85E-13
TCONS_00026120	0	43.010544	up	Inf	1.50E-13	1.85E-13

TCONS_00043102	0	42.964256	up	Inf	1.50E-13	1.85E-13
TCONS_00012808	0	42.937686	up	Inf	1.50E-13	1.85E-13
TCONS_00032633	0	42.900543	up	Inf	1.50E-13	1.85E-13
TCONS_00088994	0	42.858172	up	Inf	1.50E-13	1.85E-13
TCONS_00013167	0	42.75261	up	Inf	1.50E-13	1.85E-13
TCONS_00054993	0	42.654553	up	Inf	1.50E-13	1.85E-13
TCONS_00072822	0	42.543038	up	Inf	1.50E-13	1.85E-13
TCONS_00054740	0	42.508309	up	Inf	1.50E-13	1.85E-13
TCONS_00088950	0	42.415089	up	Inf	2.86E-13	3.50E-13
TCONS_00012348	2.1912155	42.363064	up	4.273003691	6.64E-12	7.96E-12
TCONS_00081325	0	42.346987	up	Inf	2.86E-13	3.50E-13
TCONS_00026098	0	42.303763	up	Inf	2.86E-13	3.50E-13
TCONS_00018678	0	42.266785	up	Inf	2.86E-13	3.50E-13
TCONS_00055168	0	42.248319	up	Inf	2.86E-13	3.50E-13
TCONS_00054749	0	42.092847	up	Inf	2.86E-13	3.50E-13
TCONS_00096778	0	42.092847	up	Inf	2.86E-13	3.50E-13
TCONS_00064129	0	41.926472	up	Inf	2.86E-13	3.50E-13
TCONS_00064710	0	41.926472	up	Inf	2.86E-13	3.50E-13
TCONS_00102376	0	41.886003	up	Inf	2.86E-13	3.50E-13
TCONS_00081756	0	41.744972	up	Inf	2.86E-13	3.50E-13
TCONS_00043225	0	41.724903	up	Inf	2.86E-13	3.50E-13
TCONS_00012534	0	41.587444	up	Inf	2.86E-13	3.50E-13
TCONS_00012319	0	41.525262	up	Inf	2.86E-13	3.50E-13
TCONS_00012625	22.903419	41.327523	up	0.851539923	0.001276	0.0013583
TCONS_00096463	0	41.221826	up	Inf	5.46E-13	6.66E-13
TCONS_00019502	1.7715352	41.099194	up	4.536038097	1.26E-11	1.50E-11
TCONS_00072878	0	40.985973	up	Inf	5.46E-13	6.66E-13
TCONS_00019135	11.343674	40.93764	up	1.851539923	4.40E-07	4.90E-07
TCONS_00012676	0	40.783739	up	Inf	5.46E-13	6.66E-13
TCONS_00032669	0	40.710694	up	Inf	5.46E-13	6.66E-13
TCONS_00032853	0	40.694497	up	Inf	5.46E-13	6.66E-13
TCONS_00081564	0	40.650022	up	Inf	5.46E-13	6.66E-13
TCONS_00096535	0	40.650022	up	Inf	5.46E-13	6.66E-13
TCONS_00025794	0	40.349356	up	Inf	1.04E-12	1.27E-12
TCONS_00012235	0	40.138241	up	Inf	1.04E-12	1.27E-12
TCONS_00096475	0	39.994377	up	Inf	1.04E-12	1.27E-12
TCONS_00095954	1.9316136	39.833757	up	4.366113096	2.40E-11	2.85E-11
TCONS_00043452	0	39.698852	up	Inf	1.04E-12	1.27E-12
TCONS_00096891	10.260732	39.674422	up	1.951075596	3.10E-07	3.46E-07
TCONS_00012623	0	39.53886	up	Inf	1.04E-12	1.27E-12
TCONS_00055414	0	39.484894	up	Inf	1.99E-12	2.40E-12
TCONS_00032913	0	39.429085	up	Inf	1.99E-12	2.40E-12
TCONS_00012277	0	39.317939	up	Inf	1.99E-12	2.40E-12
TCONS_00055383	0	39.211354	up	Inf	1.99E-12	2.40E-12
TCONS_00044152	0	39.189892	up	Inf	1.99E-12	2.40E-12
TCONS_00019014	0	38.918295	up	Inf	1.99E-12	2.40E-12
TCONS_00072533	0	38.896492	up	Inf	1.99E-12	2.40E-12
TCONS_00055359	0	38.887521	up	Inf	1.99E-12	2.40E-12
TCONS_00043969	0	38.879551	up	Inf	1.99E-12	2.40E-12

TCONS_00102368	0	38.744553	up	Inf	1.99E-12	2.40E-12
TCONS_00032718	0	38.65164	up	Inf	1.99E-12	2.40E-12
TCONS_00054535	0	38.444207	up	Inf	3.80E-12	4.57E-12
TCONS_00102420	0	38.417134	up	Inf	3.80E-12	4.57E-12
TCONS_00064367	0	38.345124	up	Inf	3.80E-12	4.57E-12
TCONS_00096710	0	38.266225	up	Inf	3.80E-12	4.57E-12
TCONS_00043276	0	38.148482	up	Inf	3.80E-12	4.57E-12
TCONS_00096709	4.2190508	38.064824	up	3.173468018	1.38E-09	1.59E-09
TCONS_00064397	0	38.050916	up	Inf	3.80E-12	4.57E-12
TCONS_00043734	0	37.929658	up	Inf	3.80E-12	4.57E-12
TCONS_00012478	2.9327548	37.799563	up	3.688041191	3.62E-10	4.20E-10
TCONS_00033113	0	37.799563	up	Inf	3.80E-12	4.57E-12
TCONS_00096572	0	37.66559	up	Inf	3.80E-12	4.57E-12
TCONS_00055016	0	37.483102	up	Inf	7.26E-12	8.67E-12
TCONS_00044142	3.2279986	37.4444	up	3.536038097	6.86E-10	7.92E-10
TCONS_00025922	0	37.344147	up	Inf	7.26E-12	8.67E-12
TCONS_00096588	0	37.232002	up	Inf	7.26E-12	8.67E-12
TCONS_00054708	0	37.19477	up	Inf	7.26E-12	8.67E-12
TCONS_00081442	0	37.0712	up	Inf	7.26E-12	8.67E-12
TCONS_00059568	0	36.899574	up	Inf	7.26E-12	8.67E-12
TCONS_00043210	0	36.859682	up	Inf	7.26E-12	8.67E-12
TCONS_00064527	0	36.847966	up	Inf	7.26E-12	8.67E-12
TCONS_00102806	0	36.826505	up	Inf	7.26E-12	8.67E-12
TCONS_00072698	0	36.774491	up	Inf	7.26E-12	8.67E-12
TCONS_00043146	0	36.69266	up	Inf	7.26E-12	8.67E-12
TCONS_00012693	0	36.563224	up	Inf	7.26E-12	8.67E-12
TCONS_00055228	0	36.312886	up	Inf	1.39E-11	1.65E-11
TCONS_00012853	0	36.111428	up	Inf	1.39E-11	1.65E-11
TCONS_00055259	0	36.067656	up	Inf	1.39E-11	1.65E-11
TCONS_00081075	4.294391	35.977084	up	3.066552814	4.89E-09	5.57E-09
TCONS_00096522	0	35.833112	up	Inf	1.39E-11	1.65E-11
TCONS_00012473	0	35.764202	up	Inf	1.39E-11	1.65E-11
TCONS_00089315	0	35.579986	up	Inf	1.39E-11	1.65E-11
TCONS_00064756	4.5806838	35.423591	up	2.951075596	3.16E-08	3.56E-08
TCONS_00072431	0	35.423591	up	Inf	2.65E-11	3.14E-11
TCONS_00054641	0	35.255707	up	Inf	2.65E-11	3.14E-11
TCONS_00018922	0	35.22232	up	Inf	2.65E-11	3.14E-11
TCONS_00096473	14.702195	35.191559	up	1.259197892	0.000222	0.000238
TCONS_00064507	0	35.038552	up	Inf	2.65E-11	3.14E-11
TCONS_00064286	0	34.854537	up	Inf	2.65E-11	3.14E-11
TCONS_00043126	0	34.81152	up	Inf	2.65E-11	3.14E-11
TCONS_00054630	0	34.761468	up	Inf	2.65E-11	3.14E-11
TCONS_00089148	0	34.632002	up	Inf	2.65E-11	3.14E-11
TCONS_00011864	0	34.439602	up	Inf	5.08E-11	5.98E-11
TCONS_00072643	1.1589682	34.356615	up	4.889675052	2.55E-10	2.96E-10
TCONS_00013159	3.3170469	34.202088	up	3.366113096	4.66E-09	5.31E-09
TCONS_00043163	0	34.123643	up	Inf	5.08E-11	5.98E-11
TCONS_00089551	0	34.123643	up	Inf	5.08E-11	5.98E-11
TCONS_00081487	0	34.010181	up	Inf	5.08E-11	5.98E-11

TCONS_00102643	0	33.901483	up	Inf	5.08E-11	5.98E-11
TCONS_00026007	0	33.813428	up	Inf	5.08E-11	5.98E-11
TCONS_00089008	0	33.813428	up	Inf	5.08E-11	5.98E-11
TCONS_00073123	0	33.690915	up	Inf	5.08E-11	5.98E-11
TCONS_00018708	0	33.638681	up	Inf	5.08E-11	5.98E-11
TCONS_00042979	0	33.508802	up	Inf	5.08E-11	5.98E-11
TCONS_00012772	0	33.418482	up	Inf	9.71E-11	1.14E-10
TCONS_00081050	0	33.395978	up	Inf	9.71E-11	1.14E-10
TCONS_00064426	0	33.328647	up	Inf	9.71E-11	1.14E-10
TCONS_00081332	0	33.209616	up	Inf	9.71E-11	1.14E-10
TCONS_00089552	0	33.209616	up	Inf	9.71E-11	1.14E-10
TCONS_00026195	0	33.062018	up	Inf	9.71E-11	1.14E-10
TCONS_00054561	3.6575802	32.999163	up	3.173468018	3.24E-08	3.66E-08
TCONS_00007792	12.024295	32.93287	up	1.453575937	7.69E-05	8.33E-05
TCONS_00043217	0	32.799621	up	Inf	9.71E-11	1.14E-10
TCONS_00018758	0	32.626992	up	Inf	9.71E-11	1.14E-10
TCONS_00043188	0	32.626992	up	Inf	9.71E-11	1.14E-10
TCONS_00012211	0	32.45617	up	Inf	1.86E-10	2.17E-10
TCONS_00089663	0	32.343279	up	Inf	1.86E-10	2.17E-10
TCONS_00054926	0	32.287127	up	Inf	1.86E-10	2.17E-10
TCONS_00018581	0	32.27312	up	Inf	1.86E-10	2.17E-10
TCONS_00081458	0	32.203264	up	Inf	1.86E-10	2.17E-10
TCONS_00096883	0	32.143629	up	Inf	1.86E-10	2.17E-10
TCONS_00021981	12.460409	32.119836	up	1.366113096	0.000129	0.0001389
TCONS_00102730	0	31.926842	up	Inf	1.86E-10	2.17E-10
TCONS_00064876	0	31.655124	up	Inf	1.86E-10	2.17E-10
TCONS_00032711	0	31.642883	up	Inf	1.86E-10	2.17E-10
TCONS_00089302	0	31.559199	up	Inf	1.86E-10	2.17E-10
TCONS_00072661	0	31.308729	up	Inf	3.56E-10	4.13E-10
TCONS_00102533	0	31.168802	up	Inf	3.56E-10	4.13E-10
TCONS_00018956	0	30.85539	up	Inf	3.56E-10	4.13E-10
TCONS_00043576	0	30.775815	up	Inf	3.56E-10	4.13E-10
TCONS_00081315	0	30.61298	up	Inf	3.56E-10	4.13E-10
TCONS_00043691	0	30.321824	up	Inf	6.82E-10	7.88E-10
TCONS_00089679	0	30.296492	up	Inf	6.82E-10	7.88E-10
TCONS_00018796	0	30.239651	up	Inf	6.82E-10	7.88E-10
TCONS_00072508	0	30.157922	up	Inf	6.82E-10	7.88E-10
TCONS_00081235	0	30.092856	up	Inf	6.82E-10	7.88E-10
TCONS_00072672	0	29.995783	up	Inf	6.82E-10	7.88E-10
TCONS_00025876	0	29.965575	up	Inf	6.82E-10	7.88E-10
TCONS_00096351	0	29.823985	up	Inf	6.82E-10	7.88E-10
TCONS_00102616	0	29.732031	up	Inf	6.82E-10	7.88E-10
TCONS_00026016	0	29.637267	up	Inf	6.82E-10	7.88E-10
TCONS_00019031	0	29.597961	up	Inf	6.82E-10	7.88E-10
TCONS_00089220	0	29.519659	up	Inf	6.82E-10	7.88E-10
TCONS_00012145	0	29.320202	up	Inf	1.31E-09	1.50E-09
TCONS_00012707	0	29.3103	up	Inf	1.31E-09	1.50E-09
TCONS_00026105	0	29.241172	up	Inf	1.31E-09	1.50E-09
TCONS_00081439	0	29.241172	up	Inf	1.31E-09	1.50E-09

TCONS_00102341	0	28.982938 up	Inf	1.31E-09	1.50E-09
TCONS_00043349	0	28.96789 up	Inf	1.31E-09	1.50E-09
TCONS_00064719	0	28.96789 up	Inf	1.31E-09	1.50E-09
TCONS_00012279	0	28.877927 up	Inf	1.31E-09	1.50E-09
TCONS_00025924	0	28.833155 up	Inf	1.31E-09	1.50E-09
TCONS_00032678	0	28.611362 up	Inf	1.31E-09	1.50E-09
TCONS_00018607	0	28.420073 up	Inf	2.51E-09	2.87E-09
TCONS_00064121	0	28.392955 up	Inf	2.51E-09	2.87E-09
TCONS_00013133	0	28.101217 up	Inf	2.51E-09	2.87E-09
TCONS_00081554	0	28.050355 up	Inf	2.51E-09	2.87E-09
TCONS_00033022	0	27.924002 up	Inf	2.51E-09	2.87E-09
TCONS_00012465	0	27.551682 up	Inf	2.51E-09	2.87E-09
TCONS_00012155	0	27.174261 up	Inf	4.81E-09	5.48E-09
TCONS_00102613	0	27.149467 up	Inf	4.81E-09	5.48E-09
TCONS_00043806	0	26.952732 up	Inf	4.81E-09	5.48E-09
TCONS_00081543	0	26.894266 up	Inf	4.81E-09	5.48E-09
TCONS_00043942	0	26.662918 up	Inf	4.81E-09	5.48E-09
TCONS_00081087	0	26.631101 up	Inf	4.81E-09	5.48E-09
TCONS_00012256	4.1285133	26.605701 up	2.688041191	1.40E-06	1.55E-06
TCONS_00064552	0	26.54873 up	Inf	4.81E-09	5.48E-09
TCONS_00072563	0	26.336166 up	Inf	9.24E-09	1.05E-08
TCONS_00089183	0	26.299333 up	Inf	9.24E-09	1.05E-08
TCONS_00011884	0	25.927913 up	Inf	9.24E-09	1.05E-08
TCONS_00032630	0	25.770049 up	Inf	9.24E-09	1.05E-08
TCONS_00054576	0	25.616233 up	Inf	9.24E-09	1.05E-08
TCONS_00043887	2.8292458	25.525823 up	3.173468018	7.64E-07	8.49E-07
TCONS_00032970	0	25.47587 up	Inf	1.78E-08	2.01E-08
TCONS_00064503	0	25.450967 up	Inf	1.78E-08	2.01E-08
TCONS_00102807	2.7801838	25.083179 up	3.173468018	1.44E-06	1.60E-06
TCONS_00043321	0	24.867564 up	Inf	1.78E-08	2.01E-08
TCONS_00064748	0	24.697723 up	Inf	1.78E-08	2.01E-08
TCONS_00013117	0	24.644853 up	Inf	1.78E-08	2.01E-08
TCONS_00081094	0	24.430063 up	Inf	3.41E-08	3.84E-08
TCONS_00012687	0	24.310307 up	Inf	3.41E-08	3.84E-08
TCONS_00054916	0	24.310307 up	Inf	3.41E-08	3.84E-08
TCONS_00064268	0	24.310307 up	Inf	3.41E-08	3.84E-08
TCONS_00018827	0	23.996626 up	Inf	3.41E-08	3.84E-08
TCONS_00072772	0	23.908484 up	Inf	3.41E-08	3.84E-08
TCONS_00072745	0	23.842802 up	Inf	3.41E-08	3.84E-08
TCONS_00012429	0	23.728721 up	Inf	3.41E-08	3.84E-08
TCONS_00018857	0	23.615727 up	Inf	3.41E-08	3.84E-08
TCONS_00089125	0	23.590763 up	Inf	3.41E-08	3.84E-08
TCONS_00089673	0	23.503804 up	Inf	3.41E-08	3.84E-08
TCONS_00072682	0	23.481547 up	Inf	6.57E-08	7.37E-08
TCONS_00102394	0	23.392937 up	Inf	6.57E-08	7.37E-08
TCONS_00026174	0	23.283111 up	Inf	6.57E-08	7.37E-08
TCONS_00081792	0	23.143413 up	Inf	6.57E-08	7.37E-08
TCONS_00012123	3.9586156	22.959735 up	2.536038097	1.68E-05	1.84E-05
TCONS_00043023	0	22.790913 up	Inf	6.57E-08	7.37E-08

TCONS_00026077	0	22.379525	up	Inf	1.27E-07	1.42E-07
TCONS_00026126	0	22.139744	up	Inf	1.27E-07	1.42E-07
TCONS_00054531	5.6584917	21.879277	up	1.951075596	0.000236	0.0002532
TCONS_00064328	0	21.599751	up	Inf	1.27E-07	1.42E-07
TCONS_00043551	0	21.437908	up	Inf	2.44E-07	2.72E-07
TCONS_00022103	2.7642057	21.376305	up	2.951075596	1.82E-05	1.99E-05
TCONS_00102587	0	21.133392	up	Inf	2.44E-07	2.72E-07
TCONS_00043531	0	21.103416	up	Inf	2.44E-07	2.72E-07
TCONS_00013051	0	20.912722	up	Inf	2.44E-07	2.72E-07
TCONS_00012158	0	20.45917	up	Inf	4.71E-07	5.24E-07
TCONS_00081809	0	20.25859	up	Inf	4.71E-07	5.24E-07
TCONS_00013077	0	19.997188	up	Inf	4.71E-07	5.24E-07
TCONS_00081435	0	19.805522	up	Inf	4.71E-07	5.24E-07
TCONS_00037629	0	19.372276	up	Inf	9.09E-07	1.01E-06
TCONS_00012852	0	19.133112	up	Inf	9.09E-07	1.01E-06
TCONS_00055017	0	19.133112	up	Inf	9.09E-07	1.01E-06
TCONS_00081461	0	19.00116	up	Inf	9.09E-07	1.01E-06
TCONS_00054760	0	18.856664	up	Inf	9.09E-07	1.01E-06
TCONS_00000714	0	18.785238	up	Inf	9.09E-07	1.01E-06
TCONS_00089061	1.6139993	18.7222	up	3.536038097	1.84E-05	2.00E-05
TCONS_00043373	0	18.643995	up	Inf	9.09E-07	1.01E-06
TCONS_00043353	0	18.449787	up	Inf	1.76E-06	1.94E-06
TCONS_00015940	2.8292458	18.232731	up	2.688041191	0.000121	0.0001307
TCONS_00043340	0	17.90362	up	Inf	1.76E-06	1.94E-06
TCONS_00043077	0	17.882101	up	Inf	1.76E-06	1.94E-06
TCONS_00043180	0	17.820903	up	Inf	1.76E-06	1.94E-06
TCONS_00017018	4.6026009	17.796541	up	1.951075596	0.000958	0.0010204
TCONS_00096621	0	17.51716	up	Inf	1.76E-06	1.94E-06
TCONS_00025875	0	17.462334	up	Inf	3.40E-06	3.75E-06
TCONS_00033026	0	17.462334	up	Inf	3.40E-06	3.75E-06
TCONS_00008015	3.8554853	17.392344	up	2.173468018	0.000664	0.0007084
TCONS_00043282	0	17.267767	up	Inf	3.40E-06	3.75E-06
TCONS_00013057	0	17.061821	up	Inf	3.40E-06	3.75E-06
TCONS_00064776	4.3924365	16.983913	up	1.951075596	0.000664	0.0007084
TCONS_00012711	0	16.983913	up	Inf	3.40E-06	3.75E-06
TCONS_00044008	0	16.937509	up	Inf	3.40E-06	3.75E-06
TCONS_00096853	0	16.937509	up	Inf	3.40E-06	3.75E-06
TCONS_00064980	0	16.754401	up	Inf	3.40E-06	3.75E-06
TCONS_00072481	0	16.679269	up	Inf	3.40E-06	3.75E-06
TCONS_00072538	0	16.385361	up	Inf	6.6E-06	7.22E-06
TCONS_00043975	0	16.313496	up	Inf	6.60E-06	7.22E-06
TCONS_00032795	0	16.242258	up	Inf	6.60E-06	7.22E-06
TCONS_00012276	0	16.143564	up	Inf	6.60E-06	7.22E-06
TCONS_00008549	0	16.101632	up	Inf	6.60E-06	7.22E-06
TCONS_00043156	0	16.101632	up	Inf	6.60E-06	7.22E-06
TCONS_00055092	0	16.032229	up	Inf	6.60E-06	7.22E-06
TCONS_00064340	0	15.895201	up	Inf	6.60E-06	7.22E-06
TCONS_00032707	0	15.760496	up	Inf	6.60E-06	7.22E-06
TCONS_00089139	0	15.743818	up	Inf	6.60E-06	7.22E-06

TCONS_00096844	0	15.693996	up	Inf	6.60E-06	7.22E-06
TCONS_00102496	0	15.644488	up	Inf	6.60E-06	7.22E-06
TCONS_00081383	0	15.628055	up	Inf	6.60E-06	7.22E-06
TCONS_00033128	0	15.553369	up	Inf	6.60E-06	7.22E-06
TCONS_00064870	0	15.382453	up	Inf	1.28E-05	1.40E-05
TCONS_00055202	0	15.36974	up	Inf	1.28E-05	1.40E-05
TCONS_00043173	0	15.243758	up	Inf	1.28E-05	1.40E-05
TCONS_00064834	0	14.892801	up	Inf	1.28E-05	1.40E-05
TCONS_00043836	0	14.803889	up	Inf	1.28E-05	1.40E-05
TCONS_00011822	6.8710256	14.75983	up	1.10307869	0.022738	0.0235756
TCONS_00019074	0	14.472673	up	Inf	2.5E-05	2.72E-05
TCONS_00089174	0	14.440565	up	Inf	2.5E-05	2.72E-05
TCONS_00054813	3.7140679	14.360915	up	1.951075596	0.003972	0.0041937
TCONS_00072793	0	13.814214	up	Inf	2.5E-05	2.72E-05
TCONS_00055178	0	13.367393	up	Inf	4.87E-05	5.28E-05
TCONS_00072519	0	13.189635	up	Inf	4.87E-05	5.28E-05
TCONS_00012408	0	13.143028	up	Inf	4.87E-05	5.28E-05
TCONS_00055222	0	13.023379	up	Inf	4.87E-05	5.28E-05
TCONS_00012164	2.5181769	12.982468	up	2.366113096	0.002741	0.002904
TCONS_00096423	0	12.608397	up	Inf	4.87E-05	5.28E-05
TCONS_00055417	0	12.155154	up	Inf	9.53E-05	0.0001028
TCONS_00081455	0	11.959733	up	Inf	9.53E-05	0.0001028
TCONS_00073116	0	11.659803	up	Inf	9.53E-05	0.0001028
TCONS_00089326	0	11.641556	up	Inf	9.53E-05	0.0001028
TCONS_00089284	0	11.623366	up	Inf	9.53E-05	0.0001028
TCONS_00084078	0	11.479867	up	Inf	0.000187	0.0002006
TCONS_00072754	4.4329198	11.426965	up	1.366113096	0.022447	0.0232789
TCONS_00011895	0	11.426965	up	Inf	0.000187	0.0002006
TCONS_00102566	0	11.374548	up	Inf	0.000187	0.0002006
TCONS_00055058	0	11.237091	up	Inf	0.000187	0.0002006
TCONS_00033143	0	11.220142	up	Inf	0.000187	0.0002006
TCONS_00055308	0	11.220142	up	Inf	0.000187	0.0002006
TCONS_00096567	0	11.220142	up	Inf	0.000187	0.0002006
TCONS_00055483	0	11.119513	up	Inf	0.000187	0.0002006
TCONS_00096706	0	11.020673	up	Inf	0.000187	0.0002006
TCONS_00012679	0	10.923574	up	Inf	0.000187	0.0002006
TCONS_00032870	0	10.749934	up	Inf	0.000187	0.0002006
TCONS_00073039	0	10.665167	up	Inf	0.000187	0.0002006
TCONS_00026243	0	10.418703	up	Inf	0.000368	0.0003929
TCONS_00043393	0	10.37511	up	Inf	0.000368	0.0003929
TCONS_00064277	0	10.37511	up	Inf	0.000368	0.0003929
TCONS_00072821	0	10.218344	up	Inf	0.000368	0.0003929
TCONS_00011820	0	10.121026	up	Inf	0.000368	0.0003929
TCONS_00032966	0	10.06352	up	Inf	0.000368	0.0003929
TCONS_00043674	0	9.9584392	up	Inf	0.000368	0.0003929
TCONS_00054670	0	9.9186054	up	Inf	0.000368	0.0003929
TCONS_00048468	0	9.8398864	up	Inf	0.000368	0.0003929
TCONS_00043289	0	9.5371206	up	Inf	0.000368	0.0003929
TCONS_00055050	0	9.4163976	up	Inf	0.000726	0.0007739

TCONS_00033102		0 9. 3219976 up	Inf	0. 000726 0. 0007739
TCONS_00037802		0 9. 150005 up	Inf	0. 000726 0. 0007739
TCONS_00102674		0 9. 1163653 up	Inf	0. 000726 0. 0007739
TCONS_00055174		0 9. 016914 up	Inf	0. 000726 0. 0007739
TCONS_00054920	3. 3634391	8. 6701097 up	1. 366113096	0. 030927 0. 0318616
TCONS_00089428	3. 3400819	8. 6099006 up	1. 366113096	0. 030927 0. 0318616
TCONS_00072848		0 7. 9988754 up	Inf	0. 001441 0. 0015317
TCONS_00096551		0 7. 830478 up	Inf	0. 001441 0. 0015317
TCONS_00054609		0 7. 4241059 up	Inf	0. 002878 0. 0030447
TCONS_00064922		0 7. 4241059 up	Inf	0. 002878 0. 0030447
TCONS_00044063		0 7. 2930922 up	Inf	0. 002878 0. 0030447
TCONS_00072558	1. 8824728	7. 27882 up	1. 951075596	0. 041676 0. 0428989
TCONS_00064477		0 7. 2293043 up	Inf	0. 002878 0. 0030447
TCONS_00044167		0 7. 1666224 up	Inf	0. 002878 0. 0030447
TCONS_00096348		0 6. 7935654 up	Inf	0. 002878 0. 0030447
TCONS_00064381		0 6. 4574254 up	Inf	0. 005791 0. 0060878
TCONS_00026138		0 6. 122596 up	Inf	0. 005791 0. 0060878
TCONS_00089056		0 6. 0185713 up	Inf	0. 005791 0. 0060878
TCONS_00011838		0 5. 9607004 up	Inf	0. 005791 0. 0060878
TCONS_00018911		0 5. 8852485 up	Inf	0. 005791 0. 0060878
TCONS_00012668		0 5. 8759511 up	Inf	0. 005791 0. 0060878
TCONS_00018585		0 5. 8207778 up	Inf	0. 005791 0. 0060878
TCONS_00054886		0 5. 7935779 up	Inf	0. 005791 0. 0060878
TCONS_00032916		0 5. 6613045 up	Inf	0. 005791 0. 0060878
TCONS_00054631		0 5. 5848004 up	Inf	0. 005791 0. 0060878
TCONS_00055235		0 5. 5597564 up	Inf	0. 005791 0. 0060878
TCONS_00043785		0 5. 5349361 up	Inf	0. 005791 0. 0060878
TCONS_00072536		0 5. 5103364 up	Inf	0. 005791 0. 0060878
TCONS_00089379		0 5. 4859543 up	Inf	0. 01177 0. 0122535
TCONS_00055154		0 5. 4617871 up	Inf	0. 01177 0. 0122535
TCONS_00089009		0 5. 3672107 up	Inf	0. 01177 0. 0122535
TCONS_00012542		0 5. 3440762 up	Inf	0. 01177 0. 0122535
TCONS_00064677		0 5. 3211403 up	Inf	0. 01177 0. 0122535
TCONS_00064371		0 5. 2984003 up	Inf	0. 01177 0. 0122535
TCONS_00012890		0 5. 2534986 up	Inf	0. 01177 0. 0122535
TCONS_00018808		0 5. 2534986 up	Inf	0. 01177 0. 0122535
TCONS_00055571		0 5. 2093516 up	Inf	0. 01177 0. 0122535
TCONS_00081618		0 5. 1232466 up	Inf	0. 01177 0. 0122535
TCONS_00081747		0 5. 0195372 up	Inf	0. 01177 0. 0122535
TCONS_00032946		0 4. 9593027 up	Inf	0. 01177 0. 0122535
TCONS_00055597		0 4. 9593027 up	Inf	0. 01177 0. 0122535
TCONS_00012023		0 4. 9199432 up	Inf	0. 01177 0. 0122535
TCONS_00032868		0 4. 8908311 up	Inf	0. 01177 0. 0122535
TCONS_00012320		0 4. 8812035 up	Inf	0. 01177 0. 0122535
TCONS_00081098		0 4. 8812035 up	Inf	0. 01177 0. 0122535
TCONS_00012297		0 4. 8430691 up	Inf	0. 01177 0. 0122535
TCONS_00048442		0 4. 8055259 up	Inf	0. 01177 0. 0122535
TCONS_00081217		0 4. 7685603 up	Inf	0. 01177 0. 0122535
TCONS_00055363		0 4. 6963094 up	Inf	0. 01177 0. 0122535

TCONS_00081047	0 4. 6435419 up	Inf	0. 01177	0. 0122535
TCONS_00064600	0 4. 591947 up	Inf	0. 01177	0. 0122535
TCONS_00012491	0 4. 5750025 up	Inf	0. 01177	0. 0122535
TCONS_00019076	0 4. 4438196 up	Inf	0. 024257	0. 0250433
TCONS_00055205	0 4. 396545 up	Inf	0. 024257	0. 0250433
TCONS_00102529	0 4. 396545 up	Inf	0. 024257	0. 0250433
TCONS_00064598	0 4. 3655834 up	Inf	0. 024257	0. 0250433
TCONS_00072686	0 4. 3502655 up	Inf	0. 024257	0. 0250433
TCONS_00018841	0 4. 275261 up	Inf	0. 024257	0. 0250433
TCONS_00089567	0 4. 275261 up	Inf	0. 024257	0. 0250433
TCONS_00026124	0 4. 2170942 up	Inf	0. 024257	0. 0250433
TCONS_00055562	0 4. 2170942 up	Inf	0. 024257	0. 0250433
TCONS_00064858	0 4. 2027989 up	Inf	0. 024257	0. 0250433
TCONS_00054647	0 4. 1327523 up	Inf	0. 024257	0. 0250433
TCONS_00081591	0 4. 1190222 up	Inf	0. 024257	0. 0250433
TCONS_00096949	0 4. 1190222 up	Inf	0. 024257	0. 0250433
TCONS_00025792	0 3. 9484894 up	Inf	0. 024257	0. 0250433
TCONS_00054632	0 3. 7915158 up	Inf	0. 024257	0. 0250433
TCONS_00055312	0 3. 6465461 up	Inf	0. 024257	0. 0250433
TCONS_00064392	0 3. 6041444 up	Inf	0. 024257	0. 0250433
TCONS_00089321	0 3. 5627175 up	Inf	0. 024257	0. 0250433
TCONS_00018934	0 3. 5122541 up	Inf	0. 024257	0. 0250433
TCONS_00045383	87180. 822 39511. 393 down	-1. 141742112	0	0
TCONS_00078074	46381. 072 30395. 566 down	-0. 609675264	0	0
TCONS_00081509	47554. 937 27094. 534 down	-0. 811593275	0	0
TCONS_00009022	25773. 981 25308. 188 down	-0. 026311166	0	0
TCONS_00057687	53645. 533 24473. 273 down	-1. 132250956	0	0
TCONS_00013005	18958. 191 5858. 4398 down	-1. 694232936	0	0
TCONS_00081331	9256. 3307 5655. 1733 down	-0. 710869181	6. 99E-52	3. 22E-51
TCONS_00033099	5524. 5112 3516. 8188 down	-0. 651575796	3. 17E-23	5. 25E-23
TCONS_00031630	3524. 3549 3261. 412 down	-0. 111862515	3. 41E-11	4. 03E-11
TCONS_00035754	6370. 674 2765. 765 down	-1. 203767449	0	0
TCONS_00031662	3857. 1839 2744. 5953 down	-0. 490954491	4. 41E-05	4. 79E-05
TCONS_00050376	3441. 8015 2280. 0184 down	-0. 59411844	1. 16E-10	1. 36E-10
TCONS_00015565	2015. 3471 1972. 0717 down	-0. 031316339	6. 96E-12	8. 33E-12
TCONS_00031643	1711. 247 1498. 4179 down	-0. 191607991	0. 002891	0. 0030574
TCONS_00095506	1480. 0252 1474. 2859 down	-0. 005605366	1. 75E-10	2. 05E-10
TCONS_00098987	3519. 3058 1460. 1431 down	-1. 269181081	0	0
TCONS_00031684	1816. 2165 1305. 4733 down	-0. 476363287	0. 011014	0. 0115284
TCONS_00012121	1980. 4351 1153. 9854 down	-0. 77919252	2. 86E-16	3. 73E-16
TCONS_00031681	1312. 3903 1129. 0055 down	-0. 217144293	0. 029993	0. 0309125
TCONS_00032817	2955. 9991 1072. 9261 down	-1. 462095142	0	0
TCONS_00014767	2517. 1658 948. 95144 down	-1. 407394056	2. 73E-87	2. 72E-86
TCONS_00031683	1242. 2249 853. 54587 down	-0. 541385754	0. 002145	0. 0022757
TCONS_00102384	1980. 3184 777. 8374 down	-1. 348191901	3. 03E-63	1. 82E-62
TCONS_00033097	1107. 4961 766. 18441 down	-0. 531538045	0. 005635	0. 0059423
TCONS_00033073	722. 50556 720. 86814 down	-0. 003273291	7. 27E-06	7. 94E-06
TCONS_00072996	720. 59573 719. 89878 down	-0. 001396033	6. 56E-06	7. 20E-06
TCONS_00012120	740. 85508 714. 00195 down	-0. 053263339	0. 000122	0. 0001311

TCONS_00033044	1308.5779	620.52552	down	-1.076437392	6.33E-26	1.17E-25
TCONS_00032848	916.35963	584.89767	down	-0.647729672	6.92E-05	7.50E-05
TCONS_00028528	1705.1903	540.86355	down	-1.656596143	3.45E-81	3.02E-80
TCONS_00004309	1102.0191	512.34299	down	-1.10496736	1.59E-23	2.66E-23
TCONS_00033108	776.47721	504.17894	down	-0.623007711	0.000711	0.0007588
TCONS_00012202	537.66913	500.85673	down	-0.10232066	0.007072	0.0074314
TCONS_00042166	1096.4454	480.5696	down	-1.190016723	1.83E-27	3.59E-27
TCONS_00051606	886.70778	473.30403	down	-0.90569152	5.06E-12	6.07E-12
TCONS_00036148	741.97697	444.30613	down	-0.739820349	4.16E-06	4.57E-06
TCONS_00015566	633.02094	431.93927	down	-0.551424744	0.021084	0.0218748
TCONS_00071993	1664.4467	425.99922	down	-1.966120008	0	0
TCONS_00032818	1099.8097	410.05908	down	-1.423350227	4.76E-40	1.53E-39
TCONS_00064357	875.8437	409.4486	down	-1.096991062	9.44E-19	1.33E-18
TCONS_00087597	1050.5721	395.62977	down	-1.408952288	1.60E-37	4.68E-37
TCONS_00010172	2319.2491	389.20094	down	-2.575070677	0	0
TCONS_00032438	1778.2957	385.35123	down	-2.206249368	0	0
TCONS_00042165	2200.8383	371.23379	down	-2.567653206	0	0
TCONS_00033081	550.73618	369.18101	down	-0.577033056	0.015457	0.0160643
TCONS_00013089	1230.8952	366.88719	down	-1.746299447	8.48E-65	5.26E-64
TCONS_00073030	500.70397	328.50082	down	-0.608060917	0.010087	0.0105627
TCONS_00004311	639.34056	325.07625	down	-0.975806474	9.25E-11	1.09E-10
TCONS_00096525	777.9196	315.34697	down	-1.302680996	3.05E-24	5.28E-24
TCONS_00058773	680.04471	310.89284	down	-1.129212192	8.47E-16	1.10E-15
TCONS_00081330	911.4067	309.95642	down	-1.556029584	1.66E-39	5.24E-39
TCONS_00055532	534.11032	302.05385	down	-0.822331994	3.67E-06	4.04E-06
TCONS_00072851	680.99498	299.13255	down	-1.186859291	1.20E-17	1.62E-17
TCONS_00100811	644.08397	291.08951	down	-1.145785943	1.51E-15	1.94E-15
TCONS_00011487	1287.0273	289.12931	down	-2.154255878	0	0
TCONS_00073960	801.82814	283.75724	down	-1.498635832	1.22E-32	2.97E-32
TCONS_00081074	799.53753	283.38873	down	-1.49638338	1.27E-32	3.09E-32
TCONS_00055210	295.56926	280.51922	down	-0.075396615	0.025115	0.0259181
TCONS_00088076	858.8782	279.20678	down	-1.621119608	2.66E-40	8.61E-40
TCONS_00033080	595.58635	271.70648	down	-1.13226172	4.08E-14	5.09E-14
TCONS_00013006	599.16955	269.05308	down	-1.155073495	8.26E-15	1.04E-14
TCONS_00028766	541.09327	268.93278	down	-1.008631698	4.74E-10	5.50E-10
TCONS_00093787	1246.4621	268.28494	down	-2.216001043	0	0
TCONS_00043575	506.39669	261.61459	down	-0.952824957	2.72E-08	3.07E-08
TCONS_00067580	694.83096	252.75884	down	-1.458900493	4.16E-27	8.02E-27
TCONS_00088966	627.06652	251.38011	down	-1.318747975	2.41E-20	3.60E-20
TCONS_00021455	1645.4298	250.14027	down	-2.717655262	0	0
TCONS_00100911	467.35938	248.54996	down	-0.910996495	5.43E-07	6.04E-07
TCONS_00089599	572.26737	246.81715	down	-1.213246699	1.05E-15	1.35E-15
TCONS_00097280	895.15822	244.64283	down	-1.871465729	3.07E-53	1.47E-52
TCONS_00012426	1007.5278	242.54184	down	-2.054514085	4.76E-69	3.22E-68
TCONS_00028523	942.64959	241.57062	down	-1.964276578	1.88E-60	1.07E-59
TCONS_00089143	431.59446	240.42247	down	-0.844104612	1.28E-05	1.39E-05
TCONS_00087594	629.06393	234.78988	down	-1.421836427	1.67E-23	2.79E-23
TCONS_00072411	404.15147	234.02799	down	-0.788215051	0.000168	0.0001812
TCONS_00072141	555.37627	219.1957	down	-1.341246036	9.39E-19	1.32E-18

TCONS_00057423	393.31806	211.4656	down	-0.895273457	6.07E-06	6.66E-06
TCONS_00073101	560.79264	208.39623	down	-1.428138239	1.91E-21	2.95E-21
TCONS_00026013	330.33186	208.02444	down	-0.667163059	0.011481	0.0120146
TCONS_00083478	1469.3102	207.8976	down	-2.821193984	0	0
TCONS_00018965	438.2872	206.44856	down	-1.086094196	6.52E-10	7.55E-10
TCONS_00099933	335.78272	202.78159	down	-0.727601339	0.002723	0.0028854
TCONS_00033100	623.84871	202.38331	down	-1.624105883	6.83E-30	1.49E-29
TCONS_00072466	331.96485	201.77555	down	-0.718279092	0.003655	0.0038607
TCONS_00027638	616.51839	197.24499	down	-1.64415524	3.31E-30	7.31E-30
TCONS_00089064	609.96423	195.89761	down	-1.638624823	1.35E-29	2.89E-29
TCONS_00000261	379.71457	195.76195	down	-0.955814999	1.20E-06	1.33E-06
TCONS_00054545	1621.1295	195.10848	down	-3.054651015	0	0
TCONS_00028567	712.66917	194.96705	down	-1.870002185	8.09E-43	2.86E-42
TCONS_00048346	1166.644	193.09544	down	-2.594978377	0	0
TCONS_00057230	437.66887	191.35573	down	-1.193582646	4.38E-12	5.26E-12
TCONS_00083814	874.95933	191.24971	down	-2.193758424	2.53E-66	1.62E-65
TCONS_00054420	421.6739	191.06903	down	-1.142033808	1.19E-10	1.39E-10
TCONS_00096387	377.04322	188.98515	down	-0.996456984	3.09E-07	3.45E-07
TCONS_00043369	575.50763	183.83622	down	-1.646414002	2.74E-28	5.56E-28
TCONS_00041814	368.33916	180.48095	down	-1.029188185	1.20E-07	1.35E-07
TCONS_00019063	1090.3431	179.05579	down	-2.606301073	0	0
TCONS_00032823	1223.9784	177.75279	down	-2.783634024	0	0
TCONS_00028565	652.01647	177.11795	down	-1.880197952	1.17E-39	3.71E-39
TCONS_00012376	373.04642	175.38997	down	-1.088788864	1.04E-08	1.18E-08
TCONS_00055074	358.85423	175.34283	down	-1.033219503	1.44E-07	1.61E-07
TCONS_00073111	302.16121	175.00522	down	-0.787920533	0.00116	0.0012349
TCONS_00064915	295.55368	172.49749	down	-0.776844858	0.001425	0.0015146
TCONS_00043596	756.99341	170.42277	down	-2.151162597	4.05E-56	2.08E-55
TCONS_00089173	292.06298	169.79525	down	-0.782483396	0.001633	0.0017346
TCONS_00038148	604.10057	168.61629	down	-1.841044812	1.61E-35	4.34E-35
TCONS_00089200	282.07368	167.79596	down	-0.749364122	0.003985	0.0042066
TCONS_00085607	430.76045	166.89961	down	-1.367905214	1.82E-15	2.33E-15
TCONS_00064827	301.01636	166.57522	down	-0.853668112	0.000257	0.0002757
TCONS_00064443	381.57857	164.91743	down	-1.210236275	5.68E-11	6.68E-11
TCONS_00066213	700.06398	164.77855	down	-2.086958358	1.26E-49	5.51E-49
TCONS_00054728	276.52924	164.49776	down	-0.749364122	0.003594	0.0037968
TCONS_00015959	686.28782	164.16664	down	-2.063652741	5.64E-48	2.34E-47
TCONS_00032816	420.657	163.44969	down	-1.363797741	3.63E-15	4.63E-15
TCONS_00102574	266.92229	162.67216	down	-0.714452386	0.010024	0.010499
TCONS_00013035	260.48366	161.25665	down	-0.691834253	0.015982	0.0166063
TCONS_00072961	404.01631	161.17734	down	-1.325764609	8.78E-14	1.09E-13
TCONS_00064401	493.46457	161.01632	down	-1.615739558	1.22E-23	2.07E-23
TCONS_00072872	541.29707	159.70636	down	-1.760998822	9.09E-30	1.97E-29
TCONS_00060509	2146.246	158.87213	down	-3.755877429	0	0
TCONS_00057335	1329.4277	157.88042	down	-3.073901069	0	0
TCONS_00026025	668.3634	156.99091	down	-2.089951672	1.42E-47	5.85E-47
TCONS_00064387	259.53428	156.51265	down	-0.729645887	0.008253	0.0086517
TCONS_00102523	355.6	152.77473	down	-1.218849405	1.91E-10	2.23E-10
TCONS_00032792	466.6855	151.39786	down	-1.624105883	8.02E-23	1.31E-22

TCONS_00043603	329.68999	150.60789	down	-1.13031273	2.13E-08	2.41E-08
TCONS_00044137	289.517	150.46428	down	-0.944227025	2.47E-05	2.69E-05
TCONS_00072468	483.15095	149.26057	down	-1.694640935	3.08E-25	5.51E-25
TCONS_00081690	257.48264	149.15196	down	-0.78769224	0.00277	0.002934
TCONS_00058191	322.59118	147.7772	down	-1.126283286	3.21E-08	3.62E-08
TCONS_00032838	500.87408	145.35887	down	-1.784828802	1.71E-28	3.50E-28
TCONS_00008151	309.77844	143.59563	down	-1.109224914	1.14E-07	1.28E-07
TCONS_00031691	709.17009	141.78055	down	-2.322472036	2.84E-58	1.54E-57
TCONS_00102352	289.87139	141.14087	down	-1.038277159	2.04E-06	2.25E-06
TCONS_00089426	749.30343	139.2085	down	-2.428302771	2.95E-65	1.85E-64
TCONS_00036853	369.2055	139.19714	down	-1.407294494	3.29E-14	4.11E-14
TCONS_00078150	360.52117	139.18596	down	-1.373070324	2.32E-13	2.84E-13
TCONS_00022105	282.49015	138.02282	down	-1.033293752	3.66E-06	4.03E-06
TCONS_00048349	263.73634	137.75841	down	-0.936955972	8.32E-05	9.00E-05
TCONS_00055471	218.27744	137.39493	down	-0.667834236	0.03754	0.038658
TCONS_00025781	540.98761	137.2742	down	-1.978535076	5.96E-36	1.64E-35
TCONS_00012698	352.71265	137.13223	down	-1.362925583	6.74E-13	8.21E-13
TCONS_00083300	615.08893	137.09611	down	-2.165607384	2.84E-46	1.12E-45
TCONS_00043420	255.29843	135.88669	down	-0.909780521	0.000216	0.0002316
TCONS_00077303	391.25685	134.90331	down	-1.53619023	1.84E-17	2.46E-17
TCONS_00032813	424.1157	134.67755	down	-1.65494852	2.36E-21	3.62E-21
TCONS_00018813	484.13608	134.58634	down	-1.846880628	6.59E-29	1.38E-28
TCONS_00081536	562.87986	133.80297	down	-2.0727169	7.29E-40	2.32E-39
TCONS_00102245	1065.7505	133.79414	down	-2.993782849	0	0
TCONS_00018724	324.25065	132.34094	down	-1.292849986	7.73E-11	9.10E-11
TCONS_00081676	234.25569	131.69133	down	-0.830923751	0.002034	0.0021596
TCONS_00019503	616.05955	130.10516	down	-2.243391589	1.15E-48	4.88E-48
TCONS_00030509	321.9408	129.98172	down	-1.308486617	5.49E-11	6.47E-11
TCONS_00096861	253.4645	129.8865	down	-0.964532216	6.52E-05	7.07E-05
TCONS_00050726	1116.1375	127.62911	down	-3.128485377	0	0
TCONS_00012247	217.27297	126.85475	down	-0.776331169	0.007531	0.0079088
TCONS_00064244	263.19975	126.7592	down	-1.054067707	4.70E-06	5.17E-06
TCONS_00012965	269.11517	125.45855	down	-1.101012915	7.96E-07	8.84E-07
TCONS_00043558	358.97603	122.89817	down	-1.546424063	2.31E-16	3.02E-16
TCONS_00084563	212.05785	122.79424	down	-0.788215051	0.006693	0.0070347
TCONS_00096772	234.93622	122.79043	down	-0.936071064	0.000214	0.0002294
TCONS_00058030	889.68491	122.23633	down	-2.863621301	0	0
TCONS_00044449	530.30223	121.86321	down	-2.121552204	6.84E-39	2.11E-38
TCONS_00026018	328.66406	121.3996	down	-1.436850057	2.10E-13	2.58E-13
TCONS_00089296	571.36324	120.81828	down	-2.241569481	4.48E-45	1.70E-44
TCONS_00043984	203.54606	120.48463	down	-0.756506191	0.010754	0.0112587
TCONS_00004544	346.74711	118.93677	down	-1.543689095	7.64E-16	9.89E-16
TCONS_00102584	305.55855	118.31016	down	-1.368874849	1.62E-11	1.93E-11
TCONS_00081667	420.00354	116.41556	down	-1.85111762	1.31E-25	2.40E-25
TCONS_00018994	259.41627	115.66887	down	-1.165268365	2.98E-07	3.32E-07
TCONS_00089037	464.89819	114.73965	down	-2.018550754	6.16E-32	1.46E-31
TCONS_00080233	433.69679	113.91561	down	-1.928721338	5.18E-28	1.03E-27
TCONS_00051025	607.12833	113.23935	down	-2.422626148	4.21E-53	2.00E-52
TCONS_00085943	217.4829	113.20148	down	-0.9420092	0.000322	0.0003456

TCONS_00071269	373.50541	112.03986	down	-1.737117061	9.88E-21	1.49E-20
TCONS_00039269	296.76983	111.51237	down	-1.412140707	1.06E-11	1.26E-11
TCONS_00075208	881.27998	110.17224	down	-2.999839623	0	0
TCONS_00043784	300.60737	110.1161	down	-1.44885501	1.57E-12	1.91E-12
TCONS_00018932	343.96771	109.4911	down	-1.651459534	9.58E-18	1.29E-17
TCONS_00017180	404.17798	109.39638	down	-1.885425671	2.15E-25	3.89E-25
TCONS_00072478	436.32818	108.56617	down	-2.006839002	1.04E-29	2.25E-29
TCONS_00011733	231.33245	107.25136	down	-1.108971787	4.27E-06	4.70E-06
TCONS_00043158	226.0154	106.57527	down	-1.084548313	1.14E-05	1.25E-05
TCONS_00023793	337.79481	106.08134	down	-1.670976223	1.01E-17	1.36E-17
TCONS_00010307	1189.8923	105.76712	down	-3.491867899	0	0
TCONS_00064555	241.94339	105.19733	down	-1.201571414	2.19E-07	2.45E-07
TCONS_00102216	1476.2134	104.90833	down	-3.814700222	0	0
TCONS_00054412	399.96602	104.40637	down	-1.937667652	3.02E-26	5.64E-26
TCONS_00031703	258.98481	103.78631	down	-1.319251302	3.25E-09	3.71E-09
TCONS_00081774	320.17142	103.16529	down	-1.633886904	3.07E-16	4.00E-16
TCONS_00077192	180.05183	103.13974	down	-0.803811906	0.009294	0.0097367
TCONS_00033169	263.20897	102.50527	down	-1.360510554	8.32E-10	9.59E-10
TCONS_00051734	194.15375	102.37093	down	-0.923393521	0.000865	0.0009216
TCONS_00089172	809.28332	101.93595	down	-2.988981863	6.83E-89	6.99E-88
TCONS_00085106	712.63791	100.03483	down	-2.832666768	2.10E-74	1.59E-73
TCONS_00095481	487.59675	99.049435	down	-2.299467865	3.10E-40	9.99E-40
TCONS_00012610	192.38872	98.550246	down	-0.965092813	0.000553	0.0005906
TCONS_00089203	230.32452	98.225626	down	-1.229496649	2.24E-07	2.51E-07
TCONS_00033074	441.9226	98.204014	down	-2.169939804	6.91E-34	1.78E-33
TCONS_00018648	327.73194	98.032728	down	-1.741180917	1.97E-18	2.75E-18
TCONS_00010082	251.86536	97.778051	down	-1.365070146	1.39E-09	1.60E-09
TCONS_00081638	373.79873	97.703654	down	-1.935777246	1.97E-24	3.42E-24
TCONS_00102439	486.63029	97.24123	down	-2.323186065	9.23E-41	3.01E-40
TCONS_00081691	171.01219	96.430886	down	-0.826531982	0.007552	0.0079284
TCONS_00041116	537.38207	95.665562	down	-2.489876602	1.35E-48	5.70E-48
TCONS_00054602	331.61018	95.371206	down	-1.797862639	1.05E-19	1.53E-19
TCONS_00065227	373.66838	94.369934	down	-1.985359275	1.43E-25	2.61E-25
TCONS_00036690	488.89655	94.283322	down	-2.374454735	4.37E-42	1.50E-41
TCONS_00089375	245.02337	93.571749	down	-1.388774406	1.35E-09	1.55E-09
TCONS_00089199	175.01669	93.571749	down	-0.903347579	0.002566	0.0027203
TCONS_00034075	266.84052	93.411524	down	-1.514305288	3.16E-12	3.81E-12
TCONS_00050567	1259.859	92.524305	down	-3.76728603	0	0
TCONS_00033084	190.73019	92.185315	down	-1.048924404	8.92E-05	9.65E-05
TCONS_00028511	325.10131	91.838939	down	-1.823711463	1.39E-19	2.01E-19
TCONS_00004101	537.68502	91.370373	down	-2.556962928	1.41E-50	6.35E-50
TCONS_00065589	384.45571	91.224632	down	-2.075322094	7.61E-28	1.51E-27
TCONS_00084783	826.62431	90.99638	down	-3.183350724	0	0
TCONS_00083420	154.55049	89.294924	down	-0.791428181	0.016844	0.0174982
TCONS_00039089	626.02678	88.558977	down	-2.821513907	4.56E-65	2.85E-64
TCONS_00043580	198.53381	88.341388	down	-1.168223332	4.74E-06	5.21E-06
TCONS_00038951	751.05596	88.218366	down	-3.089769456	1.68E-85	1.59E-84
TCONS_00084952	572.36567	88.049041	down	-2.700557944	5.62E-57	2.94E-56
TCONS_00036366	210.18846	87.861662	down	-1.258377769	4.27E-07	4.76E-07

TCONS_00064550	271.6076	87.517107	down	-1.633886904	6.32E-14	7.86E-14
TCONS_00043987	551.8843	87.423606	down	-2.658271063	3.02E-54	1.49E-53
TCONS_00031642	268.24372	87.383015	down	-1.618119588	1.13E-13	1.39E-13
TCONS_00102647	330.21944	87.237201	down	-1.920409663	1.34E-21	2.07E-21
TCONS_00001330	251.72356	86.903669	down	-1.534351231	8.67E-12	1.03E-11
TCONS_00041676	331.42594	86.822527	down	-1.93254522	9.84E-22	1.54E-21
TCONS_00072614	254.63213	85.801085	down	-1.569346652	2.35E-12	2.83E-12
TCONS_00055170	438.62208	85.774104	down	-2.354364376	2.10E-37	6.12E-37
TCONS_00088062	204.66885	85.732627	down	-1.255375281	6.08E-07	6.76E-07
TCONS_00011092	375.39262	85.67901	down	-2.131386564	4.14E-28	8.36E-28
TCONS_00017149	496.23021	85.505219	down	-2.536925174	5.44E-46	2.14E-45
TCONS_00048054	383.57875	84.972477	down	-2.174455286	1.05E-29	2.26E-29
TCONS_00054915	283.29083	84.259998	down	-1.749364122	2.97E-16	3.87E-16
TCONS_00055467	361.40818	84.055978	down	-2.104206839	9.52E-27	1.81E-26
TCONS_00043643	416.68732	83.852945	down	-2.313031844	7.87E-35	2.08E-34
TCONS_00096724	794.29825	83.194267	down	-3.255124791	0	0
TCONS_00043967	915.7439	82.938596	down	-3.464828647	0	0
TCONS_00032776	253.66321	82.796578	down	-1.615271226	6.50E-13	7.92E-13
TCONS_00043802	388.1901	82.471775	down	-2.234790949	3.00E-31	6.93E-31
TCONS_00012765	1452.5496	82.145615	down	-4.144260089	0	0
TCONS_00054909	436.37838	82.107661	down	-2.409990892	2.42E-38	7.25E-38
TCONS_00088943	447.47794	79.431729	down	-2.494029241	4.49E-41	1.48E-40
TCONS_00000483	140.77223	79.379083	down	-0.826531982	0.014741	0.0153234
TCONS_00060657	248.29147	78.567006	down	-1.660039192	4.07E-13	4.97E-13
TCONS_00035603	364.87515	77.732018	down	-2.230822047	3.25E-29	6.88E-29
TCONS_00057998	130.97893	77.489105	down	-0.75726932	0.040487	0.0416839
TCONS_00013118	313.78908	77.350978	down	-2.020303726	2.73E-22	4.38E-22
TCONS_00076923	140.94412	77.205262	down	-0.868352158	0.009256	0.0096986
TCONS_00032834	653.72394	76.888414	down	-3.087843393	1.53E-74	1.17E-73
TCONS_00023447	164.54298	76.129647	down	-1.111934201	8.85E-05	9.57E-05
TCONS_00017931	1522.0626	75.854314	down	-4.326652694	0	0
TCONS_00081206	498.90634	75.650381	down	-2.721349745	3.12E-50	1.39E-49
TCONS_00066214	585.85955	75.510012	down	-2.955814999	5.15E-64	3.14E-63
TCONS_00086904	540.919	75.46765	down	-2.841482324	2.99E-57	1.58E-56
TCONS_00011796	186.38644	75.326027	down	-1.307076588	6.02E-07	6.69E-07
TCONS_00092979	579.35239	75.14095	down	-2.94676986	2.61E-63	1.57E-62
TCONS_00030255	212.88915	74.948479	down	-1.506131357	7.12E-10	8.22E-10
TCONS_00025842	253.8854	74.534975	down	-1.768187996	7.65E-15	9.68E-15
TCONS_00085797	419.30874	74.177605	down	-2.498957324	1.25E-38	3.80E-38
TCONS_00055311	179.19963	73.909131	down	-1.277743094	2.04E-06	2.26E-06
TCONS_00102633	195.42444	73.362466	down	-1.413496836	2.85E-08	3.21E-08
TCONS_00089615	157.29895	73.102929	down	-1.105507932	0.000165	0.0001778
TCONS_00052762	220.60573	72.73644	down	-1.60072004	3.02E-11	3.57E-11
TCONS_00061637	372.64481	72.602405	down	-2.359711941	4.64E-32	1.10E-31
TCONS_00067230	327.25916	72.429679	down	-2.175780683	1.16E-25	2.13E-25
TCONS_00042644	310.72452	71.943463	down	-2.110700601	2.22E-23	3.69E-23
TCONS_00088946	162.29836	71.763309	down	-1.177330136	4.15E-05	4.51E-05
TCONS_00052861	278.01838	71.666224	down	-1.955814999	8.30E-19	1.17E-18
TCONS_00068938	258.88491	71.421101	down	-1.857888578	1.53E-16	2.01E-16

TCONS_00027537	190.69366	71.003233	down	-1.425300282	3.14E-08	3.54E-08
TCONS_00091686	353.91294	70.278889	down	-2.332231204	2.89E-30	6.38E-30
TCONS_00004338	431.21609	69.958816	down	-2.62383324	5.93E-42	2.03E-41
TCONS_00001110	1605.6502	69.914982	down	-4.521412175	0	0
TCONS_00045462	151.41705	68.879204	down	-1.136387245	0.000147	0.000158
TCONS_00049955	387.64891	68.732341	down	-2.49568961	1.00E-35	2.73E-35
TCONS_00081290	659.82563	68.533078	down	-3.267212427	4.93E-79	4.10E-78
TCONS_00080540	299.82657	68.431937	down	-2.131386564	4.62E-23	7.63E-23
TCONS_00063679	123.3261	68.12229	down	-0.856279326	0.018387	0.0190971
TCONS_00072710	196.70667	68.020362	down	-1.53200729	1.57E-09	1.80E-09
TCONS_00024466	282.67641	67.972899	down	-2.056119905	1.15E-20	1.74E-20
TCONS_00036128	605.3206	66.527232	down	-3.185682541	6.15E-71	4.33E-70
TCONS_00089386	197.54199	66.419233	down	-1.57248636	4.32E-10	5.02E-10
TCONS_00077082	436.25146	65.873091	down	-2.72739879	2.85E-44	1.06E-43
TCONS_00030969	160.32393	65.748332	down	-1.285963601	6.72E-06	7.35E-06
TCONS_00002886	282.10846	65.567704	down	-2.105192623	3.95E-21	6.04E-21
TCONS_00026011	224.77576	65.417938	down	-1.780728293	1.09E-13	1.35E-13
TCONS_00085485	113.63619	64.716176	down	-0.812224145	0.036535	0.0376311
TCONS_00038334	994.50939	64.574254	down	-3.944954006	0	0
TCONS_00023102	163.66401	64.574254	down	-1.341706153	1.74E-06	1.92E-06
TCONS_00025898	191.04334	64.158811	down	-1.574180658	1.04E-09	1.20E-09
TCONS_00051426	381.18977	63.580804	down	-2.583846222	1.72E-36	4.86E-36
TCONS_00070931	470.3491	61.610969	down	-2.932472815	2.89E-51	1.32E-50
TCONS_00064932	343.75762	61.432804	down	-2.484310548	6.27E-32	1.48E-31
TCONS_00009274	261.91533	61.377509	down	-2.093318523	7.66E-20	1.12E-19
TCONS_00049385	126.3759	61.32059	down	-1.04327784	0.001609	0.0017099
TCONS_00055570	353.71917	61.157321	down	-2.53200729	1.86E-33	4.70E-33
TCONS_00085514	532.76876	61.037572	down	-3.125740001	7.53E-62	4.38E-61
TCONS_00032836	439.26904	60.916291	down	-2.850204811	9.79E-47	3.92E-46
TCONS_00081124	212.4538	60.85034	down	-1.803811906	4.79E-13	5.85E-13
TCONS_00040876	644.43933	60.775769	down	-3.406476408	4.88E-80	4.19E-79
TCONS_00042930	155.39089	60.401764	down	-1.363239314	1.80E-06	1.99E-06
TCONS_00064553	217.08458	60.322782	down	-1.847482377	5.77E-14	7.18E-14
TCONS_00053877	176.31311	60.153268	down	-1.551424744	7.91E-09	8.99E-09
TCONS_00069590	154.52909	59.750635	down	-1.370852498	1.80E-06	1.99E-06
TCONS_00066408	383.88812	59.221257	down	-2.696498882	7.38E-39	2.25E-38
TCONS_00064532	385.69576	59.180223	down	-2.704276232	3.59E-39	1.12E-38
TCONS_00050301	264.53449	59.173498	down	-2.160432719	6.80E-21	1.03E-20
TCONS_00004323	302.05655	58.962394	down	-2.356951682	2.62E-26	4.88E-26
TCONS_00088371	343.86219	58.905745	down	-2.54535023	1.16E-32	2.83E-32
TCONS_00099932	910.35671	58.66683	down	-3.955814999	0	0
TCONS_00043236	388.75006	58.516846	down	-2.731918987	1.22E-39	3.85E-39
TCONS_00055171	300.27521	58.223858	down	-2.366603025	2.35E-26	4.39E-26
TCONS_00050860	389.28152	58.052039	down	-2.745395219	4.93E-40	1.58E-39
TCONS_00007624	1706.2753	57.369826	down	-4.894414454	0	0
TCONS_00089048	124.73554	57.222724	down	-1.124212531	0.000529	0.0005655
TCONS_00049293	383.02313	56.527007	down	-2.76041931	1.75E-39	5.51E-39
TCONS_00062835	198.59481	55.992128	down	-1.826531982	1.14E-12	1.39E-12
TCONS_00068886	426.05114	55.770705	down	-2.933447186	1.03E-46	4.12E-46

TCONS_00064837	297.56621	55.478581	down	-2.423207903	4.16E-27	8.02E-27
TCONS_00086609	142.14287	55.387402	down	-1.359711941	4.96E-06	5.44E-06
TCONS_00073094	125.18444	55.197719	down	-1.1813747	0.00026	0.0002784
TCONS_00102396	330.49501	54.733187	down	-2.594140725	5.40E-32	1.28E-31
TCONS_00081061	488.04491	54.698192	down	-3.15744886	3.76E-57	1.98E-56
TCONS_00033470	218.73045	54.564455	down	-2.003120714	1.23E-15	1.58E-15
TCONS_00025766	276.09715	54.398202	down	-2.343545152	3.71E-24	6.40E-24
TCONS_00014342	485.7976	53.905464	down	-3.171851925	2.90E-57	1.53E-56
TCONS_00036229	454.08517	53.905464	down	-3.074459496	4.57E-52	2.12E-51
TCONS_00054026	610.4642	53.646303	down	-3.508356022	1.14E-77	9.22E-77
TCONS_00045187	816.05641	52.88356	down	-3.94777768	0	0
TCONS_00009578	476.88421	52.683811	down	-3.17820742	3.08E-56	1.58E-55
TCONS_00081118	302.24209	52.439757	down	-2.5269717	8.41E-29	1.75E-28
TCONS_00083303	392.90654	52.387001	down	-2.906905399	4.32E-43	1.54E-42
TCONS_00066216	262.2187	51.429806	down	-2.350093938	4.20E-23	6.95E-23
TCONS_00019079	334.58907	50.734555	down	-2.721349745	2.66E-34	6.92E-34
TCONS_00069023	534.61177	50.699191	down	-3.39845696	1.18E-66	7.65E-66
TCONS_00101385	487.81903	50.089148	down	-3.283776042	2.25E-59	1.25E-58
TCONS_00067341	153.91097	49.593027	down	-1.633886904	1.82E-08	2.06E-08
TCONS_00102766	221.37443	49.264597	down	-2.167865476	9.47E-18	1.28E-17
TCONS_00031699	334.71562	48.767727	down	-2.778937237	4.33E-35	1.15E-34
TCONS_00066853	284.53887	48.401603	down	-2.555499006	1.14E-27	2.24E-27
TCONS_00055175	171.05307	47.412072	down	-1.85111762	2.15E-11	2.55E-11
TCONS_00060842	401.75291	47.4051	down	-3.083194306	1.17E-46	4.69E-46
TCONS_00089841	238.65013	47.321591	down	-2.334326622	4.74E-21	7.20E-21
TCONS_00055485	101.94511	47.167281	down	-1.111934201	0.002068	0.002195
TCONS_00096752	257.38491	46.912323	down	-2.455888602	9.34E-24	1.59E-23
TCONS_00029132	123.63538	46.639211	down	-1.406476408	1.25E-05	1.36E-05
TCONS_00078916	235.14177	45.91947	down	-2.356352929	8.47E-21	1.28E-20
TCONS_00076775	213.27495	45.49819	down	-2.228833494	6.94E-18	9.43E-18
TCONS_00024950	610.61172	45.480049	down	-3.746949569	3.75E-82	3.34E-81
TCONS_00081273	106.65473	44.940376	down	-1.246863781	0.000328	0.0003511
TCONS_00013052	379.99429	44.524127	down	-3.093318523	5.94E-44	2.18E-43
TCONS_00102526	268.11234	44.362877	down	-2.595412756	1.52E-26	2.87E-26
TCONS_00081346	306.4454	44.354922	down	-2.788463941	1.68E-32	4.06E-32
TCONS_00072546	160.1034	44.340396	down	-1.852310423	9.54E-11	1.12E-10
TCONS_00098731	429.95963	43.832221	down	-3.294137532	1.48E-52	6.94E-52
TCONS_00087601	644.67097	43.502655	down	-3.889387637	2.38E-88	2.42E-87
TCONS_00089318	214.7595	43.249733	down	-2.311958809	7.53E-19	1.06E-18
TCONS_00043438	607.89491	43.049503	down	-3.81975345	1.24E-82	1.11E-81
TCONS_00028768	254.30693	42.75261	down	-2.57248636	9.32E-25	1.64E-24
TCONS_00012403	212.54373	42.508309	down	-2.321942898	1.49E-18	2.08E-18
TCONS_00045932	756.40009	42.387203	down	-4.15744886	0	0
TCONS_00007083	659.76236	42.193021	down	-3.966870188	0	0
TCONS_00023163	553.36844	41.573886	down	-3.734490845	6.56E-74	4.92E-73
TCONS_00064814	427.68629	41.568499	down	-3.362990381	3.90E-53	1.86E-52
TCONS_00036063	124.53734	41.512021	down	-1.584977304	8.42E-07	9.34E-07
TCONS_00041229	414.56146	41.500441	down	-3.320387431	5.38E-51	2.45E-50
TCONS_00058192	230.98341	41.453138	down	-2.478236034	5.78E-22	9.16E-22

TCONS_00003479	519.44954	41.327523	down	-3.651808812	1.03E-68	6.94E-68
TCONS_00053924	203.12534	41.14052	down	-2.303738303	9.51E-18	1.29E-17
TCONS_00083854	893.40817	41.012045	down	-4.44519984	0	0
TCONS_00013173	235.20049	40.873374	down	-2.524657834	1.41E-22	2.29E-22
TCONS_00012313	139.34697	40.555046	down	-1.780728293	8.69E-09	9.88E-09
TCONS_00078350	674.82753	40.517179	down	-4.057913187	0	0
TCONS_00102471	98.28554	40.429098	down	-1.28158516	0.000357	0.0003829
TCONS_00072868	333.32464	40.366418	down	-3.045700503	1.73E-38	5.21E-38
TCONS_00050816	826.26748	40.220015	down	-4.360623366	0	0
TCONS_00043123	371.06915	39.601312	down	-3.228067935	1.12E-44	4.22E-44
TCONS_00028536	282.44988	39.524644	down	-2.837170503	2.64E-30	5.90E-30
TCONS_00044081	446.07479	39.11122	down	-3.511631154	1.66E-57	8.84E-57
TCONS_00024947	177.29941	38.896492	down	-2.188475756	1.34E-14	1.69E-14
TCONS_00050032	542.73082	38.593796	down	-3.813795994	1.05E-73	7.86E-73
TCONS_00026689	135.06742	38.213805	down	-1.821513907	4.72E-09	5.38E-09
TCONS_00049470	755.48871	38.013523	down	-4.312825553	0	0
TCONS_00090477	594.60799	37.46726	down	-3.988236477	1.89E-83	1.73E-82
TCONS_00044002	227.65254	37.396134	down	-2.605872528	5.45E-23	8.93E-23
TCONS_00068947	586.65618	37.065043	down	-3.984384151	4.22E-82	3.75E-81
TCONS_00071332	269.78648	37.052262	down	-2.864184524	1.30E-29	2.79E-29
TCONS_00057139	182.61496	36.465461	down	-2.324202405	1.76E-16	2.31E-16
TCONS_00043418	340.83506	36.305291	down	-3.230822047	1.52E-41	5.13E-41
TCONS_00010684	454.09113	35.883178	down	-3.661602282	2.86E-60	1.62E-59
TCONS_00055364	163.10412	35.833112	down	-2.186427927	1.55E-13	1.91E-13
TCONS_00040428	168.68205	35.255707	down	-2.258377769	9.69E-15	1.22E-14
TCONS_00081698	174.40337	35.122541	down	-2.311958809	1.76E-15	2.26E-15
TCONS_00030212	521.80902	35.089406	down	-3.894414454	3.67E-72	2.65E-71
TCONS_00074304	706.17976	35.006843	down	-4.334326622	0	0
TCONS_00058876	115.43323	34.715119	down	-1.733422578	3.12E-07	3.48E-07
TCONS_00008170	283.15673	34.333634	down	-3.043906329	5.81E-33	1.43E-32
TCONS_00096750	111.29926	34.154977	down	-1.704276232	5.67E-07	6.30E-07
TCONS_00059386	433.58044	33.789798	down	-3.681640036	6.78E-58	3.64E-57
TCONS_00084779	595.48889	33.736753	down	-4.141681544	5.57E-85	5.23E-84
TCONS_00032995	180.75398	33.472616	down	-2.43297421	3.11E-17	4.16E-17
TCONS_00004191	248.66052	33.323378	down	-2.899570888	6.70E-28	1.33E-27
TCONS_00018851	642.51957	33.125114	down	-4.277743094	0	0
TCONS_00095055	377.82363	32.862849	down	-3.52318344	4.89E-49	2.10E-48
TCONS_00005445	916.13675	32.203264	down	-4.830284117	0	0
TCONS_00072877	108.60653	31.995501	down	-1.763169921	3.17E-07	3.54E-07
TCONS_00094215	157.85741	31.790402	down	-2.311958809	4.02E-14	5.03E-14
TCONS_00081697	438.97144	31.4322	down	-3.803811906	3.35E-60	1.89E-59
TCONS_00081558	317.67103	31.242292	down	-3.345961323	5.03E-40	1.61E-39
TCONS_00081680	201.24343	31.125331	down	-2.692780593	4.43E-21	6.74E-21
TCONS_00057997	369.74707	30.995642	down	-3.57640141	1.18E-48	5.00E-48
TCONS_00074437	767.65941	30.537578	down	-4.651808812	0	0
TCONS_00043585	132.78362	30.42517	down	-2.125740001	4.10E-11	4.84E-11
TCONS_00012855	140.39177	30.157922	down	-2.218849405	3.93E-12	4.72E-12
TCONS_00016549	169.75475	29.835377	down	-2.508356022	1.22E-16	1.61E-16
TCONS_00004543	401.44102	29.287221	down	-3.776844858	8.27E-55	4.16E-54

TCONS_00006189	461.16707	29.172369	down	-3.982615058	6.63E-65	4.12E-64
TCONS_00101095	393.72575	28.833155	down	-3.771390428	1.24E-53	5.98E-53
TCONS_00014713	578.94753	28.699669	down	-4.334326622	7.21E-85	6.75E-84
TCONS_00085199	1278.2584	27.924002	down	-5.516529954	0	0
TCONS_00101917	269.20063	27.757291	down	-3.277743094	2.58E-33	6.42E-33
TCONS_00053314	287.26984	27.504665	down	-3.384658298	2.79E-36	7.77E-36
TCONS_00065205	114.19451	27.44081	down	-2.057098335	2.51E-09	2.87E-09
TCONS_00064981	87.255945	27.429772	down	-1.669510814	1.16E-05	1.27E-05
TCONS_00054591	134.38918	27.349096	down	-2.296851917	3.00E-12	3.62E-12
TCONS_00080929	532.39645	27.29176	down	-4.285963601	6.03E-78	4.92E-77
TCONS_00026498	431.82139	27.149467	down	-3.991438909	5.02E-61	2.90E-60
TCONS_00012391	212.39995	27.149467	down	-2.967787641	1.86E-24	3.26E-24
TCONS_00019025	331.9751	26.952732	down	-3.622571591	3.15E-44	1.17E-43
TCONS_00012992	191.02426	26.37927	down	-2.856279326	1.70E-21	2.63E-21
TCONS_00067454	586.20873	26.122745	down	-4.488036038	1.21E-87	1.20E-86
TCONS_00070440	64.248551	25.302565	down	-1.344380287	0.00239	0.0025343
TCONS_00008636	73.995661	24.796514	down	-1.577303376	0.000162	0.0001748
TCONS_00008272	337.90653	24.585778	down	-3.780728293	3.33E-46	1.32E-45
TCONS_00055053	266.97113	24.578042	down	-3.441241826	2.35E-34	6.12E-34
TCONS_00032407	85.717745	24.551004	down	-1.803811906	4.81E-06	5.28E-06
TCONS_00019296	318.21503	24.457866	down	-3.701631511	2.44E-43	8.72E-43
TCONS_00036691	237.00059	23.957984	down	-3.306312246	7.47E-30	1.62E-29
TCONS_00003649	499.29453	23.615727	down	-4.402071229	6.35E-74	4.77E-73
TCONS_00010161	893.65747	22.959735	down	-5.28254408	0	0
TCONS_00081153	122.06876	22.860126	down	-2.416788783	7.80E-12	9.31E-12
TCONS_00033323	454.25114	22.139744	down	-4.358779666	2.45E-67	1.61E-66
TCONS_00044590	171.77564	22.139744	down	-2.955814999	4.19E-20	6.20E-20
TCONS_00083299	76.887143	22.021771	down	-1.803811906	1.19E-05	1.30E-05
TCONS_00010597	339.9777	21.982725	down	-3.950997983	4.94E-48	2.06E-47
TCONS_00072879	205.37571	21.409863	down	-3.261918127	6.17E-26	1.14E-25
TCONS_00050814	635.21133	21.173494	down	-4.906905399	0	0
TCONS_00022550	879.86649	21.157435	down	-5.378048	0	0
TCONS_00014470	466.19792	21.157435	down	-4.461705929	6.60E-70	4.55E-69
TCONS_00087148	141.70274	21.073524	down	-2.749364122	1.05E-15	1.36E-15
TCONS_00073693	286.95266	21.013995	down	-3.771390428	1.32E-39	4.16E-39
TCONS_00040229	816.43952	20.837406	down	-5.292098387	0	0
TCONS_00034831	155.71553	20.6325	down	-2.915922272	6.09E-18	8.27E-18
TCONS_00092124	685.07422	20.587511	down	-5.05641894	0	0
TCONS_00081073	128.69355	19.946391	down	-2.689740139	4.86E-14	6.05E-14
TCONS_00072934	459.16774	19.837211	down	-4.532740181	3.00E-69	2.04E-68
TCONS_00046225	809.85765	19.601987	down	-5.368596524	0	0
TCONS_00008412	192.76669	19.486455	down	-3.306312246	7.27E-25	1.29E-24
TCONS_00013139	90.006418	19.334514	down	-2.218849405	2.12E-08	2.39E-08
TCONS_00027915	385.37492	19.251952	down	-4.323186065	3.37E-57	1.78E-56
TCONS_00063465	580.14124	19.172562	down	-4.919289123	0	0
TCONS_00023020	241.72552	19.172562	down	-3.656254717	4.93E-33	1.21E-32
TCONS_00049978	145.03149	19.074241	down	-2.926668653	5.30E-17	7.05E-17
TCONS_00031654	44.397396	19.074241	down	-1.218849405	0.026127	0.0269567
TCONS_00068371	272.4459	18.908017	down	-3.848899795	4.49E-38	1.33E-37

TCONS_00100912	50.372046	18.848701	down	-1.418158213	0.005664	0.0059712
TCONS_00074876	110.43461	18.728485	down	-2.559886323	1.91E-11	2.26E-11
TCONS_00087699	125.62696	18.504861	down	-2.763169921	5.85E-14	7.28E-14
TCONS_00004308	463.41808	18.099645	down	-4.678281024	5.22E-71	3.69E-70
TCONS_00023441	554.05231	17.524038	down	-4.982615058	1.56E-86	1.52E-85
TCONS_00085419	114.1289	17.511662	down	-2.704276232	1.88E-12	2.27E-12
TCONS_00017151	794.84541	17.462334	down	-5.508356022	0	0
TCONS_00018165	433.8177	17.364505	down	-4.642875687	1.32E-66	8.52E-66
TCONS_00013360	195.49893	17.180033	down	-3.508356022	3.95E-26	7.35E-26
TCONS_00053343	1020.7891	17.02632	down	-5.905774317	0	0
TCONS_00083856	546.87181	16.4803	down	-5.052388259	1.90E-86	1.84E-85
TCONS_00046728	324.87805	16.356539	down	-4.311958809	1.39E-48	5.86E-48
TCONS_00039913	168.1863	15.861309	down	-3.406476408	4.22E-22	6.70E-22
TCONS_00010237	381.72365	15.743818	down	-4.599671189	2.76E-58	1.50E-57
TCONS_00008966	884.82575	15.693996	down	-5.817108728	0	0
TCONS_00097946	243.53002	15.693996	down	-3.955814999	7.47E-35	1.97E-34
TCONS_00019442	1119.2425	15.595292	down	-6.165268365	0	0
TCONS_00059875	155.02397	15.36974	down	-3.334326622	2.10E-20	3.14E-20
TCONS_00048348	928.97375	14.997891	down	-5.952806249	0	0
TCONS_00037062	92.052018	14.830451	down	-2.633886904	3.81E-10	4.42E-10
TCONS_00081480	313.01339	14.75983	down	-4.406476408	4.52E-47	1.83E-46
TCONS_00009162	620.82884	14.65515	down	-5.40471595	0	0
TCONS_00089152	136.33846	14.64361	down	-3.218849405	2.92E-17	3.91E-17
TCONS_00068949	196.12442	14.444571	down	-3.763169921	9.42E-28	1.86E-27
TCONS_00032857	370.83622	14.374791	down	-4.68916934	1.71E-57	9.13E-57
TCONS_00074817	490.47247	13.775841	down	-5.153959874	8.03E-78	6.52E-77
TCONS_00007587	84.33478	13.587131	down	-2.633886904	2.86E-09	3.27E-09
TCONS_00095129	360.30396	13.143028	down	-4.776844858	3.68E-56	1.89E-55
TCONS_00024949	91.131498	13.050797	down	-2.803811906	8.86E-11	1.04E-10
TCONS_00040657	154.94393	12.481467	down	-3.633886904	7.88E-22	1.23E-21
TCONS_00061575	45.191981	12.481467	down	-1.856279326	0.000464	0.0004962
TCONS_00003494	541.89489	12.398257	down	-5.44980384	7.59E-88	7.64E-87
TCONS_00014749	467.22974	11.807864	down	-5.306312246	5.21E-75	4.02E-74
TCONS_00045075	793.26154	11.751902	down	-6.0768304	0	0
TCONS_00089282	128.71076	11.641556	down	-3.466776918	1.81E-17	2.43E-17
TCONS_00101489	385.1357	11.544001	down	-5.060151659	5.53E-61	3.17E-60
TCONS_00004320	1002.9153	11.479867	down	-6.448949921	0	0
TCONS_00000958	52.789587	11.339869	down	-2.218849405	1.48E-05	1.61E-05
TCONS_00083853	289.90081	11.322609	down	-4.678281024	2.68E-45	1.03E-44
TCONS_00028522	439.62128	11.220142	down	-5.292098387	5.93E-71	4.19E-70
TCONS_00084666	199.81024	11.037024	down	-4.17820742	5.93E-30	1.29E-29
TCONS_00079190	102.37981	10.996237	down	-3.218849405	1.95E-13	2.40E-13
TCONS_00041802	1085.3788	10.971909	down	-6.628240341	0	0
TCONS_00046099	489.48457	10.971909	down	-5.479376955	2.43E-79	2.05E-78
TCONS_00097855	241.54531	10.923574	down	-4.466776918	4.17E-37	1.20E-36
TCONS_00067653	624.63869	10.734421	down	-5.862705595	0	0
TCONS_00068197	187.39161	10.734421	down	-4.125740001	9.59E-28	1.90E-27
TCONS_00059329	446.69087	10.711237	down	-5.382079754	3.76E-72	2.71E-71
TCONS_00054255	163.69208	10.418703	down	-3.973736907	2.37E-24	4.11E-24

TCONS_00033469	115.75255	10.28901	down	-3.491867899	3.08E-16	4.01E-16
TCONS_00092416	128.60208	9.9451258	down	-3.692780593	2.00E-18	2.78E-18
TCONS_00030138	205.21463	9.9186054	down	-4.370852498	2.49E-31	5.77E-31
TCONS_00032885	291.88262	9.8139236	down	-4.894414454	3.46E-46	1.36E-45
TCONS_00102157	784.50999	9.8009935	down	-6.322720003	0	0
TCONS_00034332	596.55416	9.6110518	down	-5.955814999	0	0
TCONS_00054834	377.37787	9.5371206	down	-5.306312246	9.86E-61	5.63E-60
TCONS_00061596	306.74222	9.4884618	down	-5.014708688	2.61E-49	1.13E-48
TCONS_00090816	390.25469	8.8243821	down	-5.466776918	1.59E-63	9.67E-63
TCONS_00097294	579.23485	8.3321618	down	-6.119313731	0	0
TCONS_00035906	431.50642	8.1388994	down	-5.728404503	2.71E-71	1.93E-70
TCONS_00031677	112.0711	8.0247617	down	-3.803811906	1.54E-16	2.02E-16
TCONS_00089202	107.22301	7.8969789	down	-3.763169921	1.08E-15	1.40E-15
TCONS_00094576	648.08911	7.880248	down	-6.361807359	0	0
TCONS_00078346	414.00104	7.846998	down	-5.721349745	3.30E-68	2.20E-67
TCONS_00069923	230.48549	7.3653011	down	-4.967787641	3.10E-37	9.00E-37
TCONS_00064789	28.54432	7.3580159	down	-1.955814999	0.002918	0.0030853
TCONS_00032269	173.68426	6.8879204	down	-4.656254717	1.22E-27	2.40E-27
TCONS_00050658	358.09579	6.7873669	down	-5.721349745	3.50E-59	1.93E-58
TCONS_00030728	428.29804	6.6776967	down	-6.003120714	3.48E-71	2.47E-70
TCONS_00102050	197.79859	6.5368665	down	-4.919289123	9.43E-32	2.22E-31
TCONS_00016012	323.41207	6.4128915	down	-5.656254717	9.39E-54	4.57E-53
TCONS_00085936	222.17479	6.2935314	down	-5.141681544	2.01E-36	5.65E-36
TCONS_00024464	90.521668	6.2224626	down	-3.862705595	5.66E-14	7.04E-14
TCONS_00033396	533.35486	6.1377509	down	-6.441241826	0	0
TCONS_00044448	189.07982	6.0925095	down	-4.955814999	9.22E-31	2.09E-30
TCONS_00023667	663.08733	6.0185713	down	-6.783634024	0	0
TCONS_00029016	282.10846	5.9607004	down	-5.564624242	1.02E-46	4.07E-46
TCONS_00070670	245.11063	5.9607004	down	-5.361807359	2.27E-40	7.36E-40
TCONS_00100017	93.01813	5.8482343	down	-3.991438909	2.58E-14	3.22E-14
TCONS_00055343	270.97002	5.8207778	down	-5.5407775	7.85E-45	2.96E-44
TCONS_00034079	147.64716	5.7666311	down	-4.678281024	9.92E-24	1.68E-23
TCONS_00010846	75.244054	5.7047194	down	-3.721349745	3.00E-11	3.55E-11
TCONS_00048287	196.76119	5.6355713	down	-5.125740001	3.91E-32	9.31E-32
TCONS_00045083	480.97179	5.5103364	down	-6.447668095	7.42E-81	6.47E-80
TCONS_00063173	612.91981	5.4859543	down	-6.803811906	0	0
TCONS_00032619	140.46079	5.4859543	down	-4.678281024	6.64E-23	1.09E-22
TCONS_00060846	177.98075	5.4617871	down	-5.026204327	1.97E-29	4.20E-29
TCONS_00057336	137.11915	5.4378319	down	-4.656254717	2.18E-22	3.50E-22
TCONS_00041143	704.87246	5.3440762	down	-7.04327784	0	0
TCONS_00043935	289.39828	5.2534986	down	-5.783634024	1.70E-48	7.14E-48
TCONS_00058414	57.06445	5.2534986	down	-3.441241826	1.12E-08	1.28E-08
TCONS_00002425	526.49587	5.1021633	down	-6.68916934	0	0
TCONS_00081804	44.568815	4.7869717	down	-3.218849405	1.22E-06	1.35E-06
TCONS_00095456	1048.7355	4.6609988	down	-7.813795994	0	0
TCONS_00078792	97.275194	4.6435419	down	-4.388774406	1.61E-15	2.07E-15
TCONS_00087595	173.43593	4.6090174	down	-5.233799746	1.42E-28	2.92E-28
TCONS_00052996	693.16523	4.5581826	down	-7.248596748	0	0
TCONS_00050182	526.61145	4.5249112	down	-6.862705595	0	0

TCONS_00026456	90.235416	4.3887635	down	-4.361807359	7.51E-15	9.50E-15
TCONS_00039799	479.27225	4.3810095	down	-6.773438257	1.09E-81	9.59E-81
TCONS_00051519	674.99092	4.2027989	down	-7.327373862	0	0
TCONS_00021997	427.53048	4.0517179	down	-6.721349745	6.12E-73	4.49E-72
TCONS_00102491	40.866884	4.0517179	down	-3.334326622	2E-06	2.20E-06
TCONS_00097735	722.23596	4.0123808	down	-7.491867899	0	0
TCONS_00033509	157.79516	3.911122	down	-5.334326622	1.47E-26	2.78E-26
TCONS_00063930	146.44514	3.7009722	down	-5.306312246	1.71E-24	2.99E-24
TCONS_00054855	283.42981	3.6899574	down	-6.263243524	4.79E-48	2.00E-47
TCONS_00024296	740.16985	3.5729847	down	-7.694582836	0	0
TCONS_00047258	311.53855	3.522232	down	-6.466776918	5.00E-53	2.37E-52
TCONS_00061079	58.622601	3.4344202	down	-4.093318523	4.90E-10	5.68E-10
TCONS_00096126	76.428395	3.3967827	down	-4.491867899	5.59E-13	6.80E-13
TCONS_00020878	54.303267	3.3328647	down	-4.026204327	3.60E-09	4.11E-09
TCONS_00071588	296.52145	3.0092856	down	-6.622571591	4.87E-51	2.22E-50
TCONS_00082893	329.942	2.994748	down	-6.783634024	1.04E-56	5.43E-56
TCONS_00080492	403.69335	2.9732031	down	-7.085098016	2.06E-69	1.41E-68
TCONS_00066500	295.98264	2.8900366	down	-6.678281024	7.24E-51	3.27E-50
TCONS_00021121	294.47253	2.8113961	down	-6.710702501	1.60E-50	7.17E-50
TCONS_00101918	289.17323	2.5354308	down	-6.833559249	1.15E-49	5.04E-49
TCONS_00085338	596.86861	2.4896098	down	-7.905349932	0	0
TCONS_00090493	171.12295	2.1413224	down	-6.320387431	5.91E-30	1.29E-29
TCONS_00047390	59.196528	2.1193601	down	-4.803811906	1.39E-10	1.62E-10
TCONS_00005188	1067.4268	2.0291746	down	-9.039028367	0	0
TCONS_00044439	23.197996	1.9932889	down	-3.5407775	0.00028	0.0003007
TCONS_00001517	476.43432	1.9494114	down	-7.933094923	2.28E-82	2.04E-81
TCONS_00064673	99.561893	1.8871015	down	-5.721349745	1.07E-17	1.44E-17
TCONS_00084688	222.42569	1.2251242	down	-7.504251624	2.47E-39	7.77E-39
TCONS_00055883	1734.4134	0	down	#NAME?	0	0
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TCONS_00025058	694.49739	0 down	#NAME?	0	0
TCONS_00022723	693.70932	0 down	#NAME?	0	0
TCONS_00078761	693.16523	0 down	#NAME?	0	0
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TCONS_00044981	691.8412	0 down	#NAME?	0	0
TCONS_00005902	691.68325	0 down	#NAME?	0	0
TCONS_00046680	690.85039	0 down	#NAME?	0	0
TCONS_00058805	688.40513	0 down	#NAME?	0	0
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TCONS_00021114	686.03729	0 down	#NAME?	0	0
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TCONS_00099496	683.73441	0 down	#NAME?	0	0
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TCONS_00101334	677.62529	0 down	#NAME?	0	0
TCONS_00079996	675.96036	0 down	#NAME?	0	0
TCONS_00001214	675.70672	0 down	#NAME?	0	0
TCONS_00021708	674.18269	0 down	#NAME?	0	0
TCONS_00025233	673.82522	0 down	#NAME?	0	0
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TCONS_00015247	663.56294	0 down	#NAME?	0	0
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TCONS_00070310	658.17193	0 down	#NAME?	0	0
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TCONS_00044342	554.81394	0 down	#NAME?	0	0
TCONS_00011025	554.42069	0 down	#NAME?	0	0
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TCONS_00010871	553.00139	0 down	#NAME?	0	0
TCONS_00004688	551.6359	0 down	#NAME?	0	0
TCONS_00093195	549.68205	0 down	#NAME?	0	0
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TCONS_00071823	545.718	0 down	#NAME?	0	0
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TCONS_00022191	545.10137	0 down	#NAME?	0	0
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TCONS_00034504	534.93448	0 down	#NAME?	0	0
TCONS_00052489	534.93448	0 down	#NAME?	0	0
TCONS_00038856	533.9017	0 down	#NAME?	0	0
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TCONS_00057334	532.87522	0 down	#NAME?	0	0
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TCONS_00041154	522.19795	0 down	#NAME?	0	0
TCONS_00079467	520.85726	0 down	#NAME?	0	0
TCONS_00019589	520.32403	0 down	#NAME?	0	0
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TCONS_00040164	519.72308	0 down	#NAME?	0	0
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TCONS_00101613	511.17775	0 down	#NAME?	0	0
TCONS_00048844	508.72017	0 down	#NAME?	0	0
TCONS_00009643	508.4559	0 down	#NAME?	0	0
TCONS_00092888	508.19661	0 down	#NAME?	0	0
TCONS_00039353	507.94217	0 down	#NAME?	0	0
TCONS_00005125	507.44731	0 down	#NAME?	6.78E-89	6.96E-88
TCONS_00090702	507.0343	0 down	#NAME?	6.78E-89	6.96E-88
TCONS_00060140	506.78004	0 down	#NAME?	6.79E-89	6.96E-88
TCONS_00068387	506.53068	0 down	#NAME?	6.79E-89	6.96E-88
TCONS_00038885	504.91157	0 down	#NAME?	1.50E-88	1.52E-87
TCONS_00038436	504.72349	0 down	#NAME?	1.50E-88	1.52E-87
TCONS_00009934	503.34258	0 down	#NAME?	3.30E-88	3.34E-87
TCONS_00019444	502.83415	0 down	#NAME?	3.30E-88	3.34E-87
TCONS_00029698	502.06705	0 down	#NAME?	4.89E-88	4.94E-87
TCONS_00036143	501.29455	0 down	#NAME?	7.26E-88	7.33E-87
TCONS_00042677	499.68665	0 down	#NAME?	1.08E-87	1.08E-86
TCONS_00045588	499.65031	0 down	#NAME?	1.08E-87	1.08E-86
TCONS_00069351	499.5501	0 down	#NAME?	1.08E-87	1.08E-86
TCONS_00096181	497.0809	0 down	#NAME?	3.53E-87	3.49E-86
TCONS_00065174	496.77838	0 down	#NAME?	3.53E-87	3.49E-86
TCONS_00024396	495.09034	0 down	#NAME?	7.78E-87	7.67E-86
TCONS_00058297	494.82695	0 down	#NAME?	7.78E-87	7.67E-86
TCONS_00011079	494.45698	0 down	#NAME?	1.15E-86	1.13E-85
TCONS_00035394	494.33212	0 down	#NAME?	1.15E-86	1.13E-85
TCONS_00038550	493.77332	0 down	#NAME?	1.15E-86	1.13E-85

TCONS_00066926	492.70281	0 down	#NAME?	1.71E-86	1.66E-85
TCONS_00056820	492.54156	0 down	#NAME?	1.71E-86	1.66E-85
TCONS_00061823	492.05409	0 down	#NAME?	2.54E-86	2.46E-85
TCONS_00002353	490.40261	0 down	#NAME?	5.61E-86	5.35E-85
TCONS_00045074	490.31105	0 down	#NAME?	5.61E-86	5.35E-85
TCONS_00076907	490.13316	0 down	#NAME?	5.61E-86	5.35E-85
TCONS_00092379	490.04673	0 down	#NAME?	5.61E-86	5.35E-85
TCONS_00023254	489.96192	0 down	#NAME?	5.61E-86	5.35E-85
TCONS_00011003	487.81026	0 down	#NAME?	1.24E-85	1.18E-84
TCONS_00093404	485.64142	0 down	#NAME?	2.72E-85	2.57E-84
TCONS_00037376	485.59652	0 down	#NAME?	2.72E-85	2.57E-84
TCONS_00050051	483.99677	0 down	#NAME?	6.00E-85	5.63E-84
TCONS_00053722	483.25128	0 down	#NAME?	8.91E-85	8.27E-84
TCONS_00083479	483.25128	0 down	#NAME?	8.91E-85	8.27E-84
TCONS_00086948	483.18825	0 down	#NAME?	8.91E-85	8.27E-84
TCONS_00028685	482.7466	0 down	#NAME?	8.91E-85	8.27E-84
TCONS_00014073	480.97179	0 down	#NAME?	1.96E-84	1.82E-83
TCONS_00017148	478.09172	0 down	#NAME?	6.43E-84	5.91E-83
TCONS_00022724	476.47673	0 down	#NAME?	1.42E-83	1.29E-82
TCONS_00094183	476.39111	0 down	#NAME?	1.42E-83	1.29E-82
TCONS_00085660	474.00119	0 down	#NAME?	3.12E-83	2.83E-82
TCONS_00080976	471.98167	0 down	#NAME?	6.88E-83	6.21E-82
TCONS_00045396	471.72234	0 down	#NAME?	6.89E-83	6.21E-82
TCONS_00039655	471.54097	0 down	#NAME?	6.89E-83	6.21E-82
TCONS_00061349	469.68138	0 down	#NAME?	1.52E-82	1.36E-81
TCONS_00009719	469.1252	0 down	#NAME?	2.25E-82	2.02E-81
TCONS_00041058	465.94143	0 down	#NAME?	7.37E-82	6.52E-81
TCONS_00017845	464.70705	0 down	#NAME?	1.09E-81	9.65E-81
TCONS_00038558	463.58727	0 down	#NAME?	1.63E-81	1.43E-80
TCONS_00099053	462.64906	0 down	#NAME?	2.41E-81	2.12E-80
TCONS_00029277	460.45641	0 down	#NAME?	7.90E-81	6.85E-80
TCONS_00034693	460.26009	0 down	#NAME?	7.90E-81	6.85E-80
TCONS_00038273	460.26009	0 down	#NAME?	7.90E-81	6.85E-80
TCONS_00038528	458.49648	0 down	#NAME?	1.74E-80	1.50E-79
TCONS_00042186	457.62365	0 down	#NAME?	1.74E-80	1.50E-79
TCONS_00004717	457.57317	0 down	#NAME?	1.74E-80	1.50E-79
TCONS_00022129	456.81339	0 down	#NAME?	2.58E-80	2.23E-79
TCONS_00075684	455.65749	0 down	#NAME?	3.84E-80	3.30E-79
TCONS_00082634	454.84873	0 down	#NAME?	5.70E-80	4.88E-79
TCONS_00070054	454.03737	0 down	#NAME?	8.46E-80	7.20E-79
TCONS_00025046	454.02431	0 down	#NAME?	8.46E-80	7.20E-79
TCONS_00005649	454.00141	0 down	#NAME?	8.46E-80	7.20E-79
TCONS_00092617	453.74698	0 down	#NAME?	8.46E-80	7.20E-79
TCONS_00009119	452.42096	0 down	#NAME?	1.86E-79	1.58E-78
TCONS_00099930	451.61671	0 down	#NAME?	1.86E-79	1.58E-78
TCONS_00077867	451.05489	0 down	#NAME?	2.77E-79	2.32E-78
TCONS_00002354	450.91106	0 down	#NAME?	2.77E-79	2.32E-78
TCONS_00024714	450.80013	0 down	#NAME?	2.77E-79	2.32E-78
TCONS_00046359	450.61921	0 down	#NAME?	2.77E-79	2.32E-78

TCONS_00093692	450.3645	0 down	#NAME?	4.11E-79	3.42E-78
TCONS_00095829	450.33665	0 down	#NAME?	4.11E-79	3.42E-78
TCONS_00081922	449.40222	0 down	#NAME?	6.10E-79	5.06E-78
TCONS_00051378	448.90701	0 down	#NAME?	6.10E-79	5.06E-78
TCONS_00062251	447.96393	0 down	#NAME?	9.06E-79	7.50E-78
TCONS_00017910	446.77949	0 down	#NAME?	1.35E-78	1.11E-77
TCONS_00058247	446.11877	0 down	#NAME?	2.00E-78	1.64E-77
TCONS_00014687	445.67111	0 down	#NAME?	2.00E-78	1.64E-77
TCONS_00058487	443.97396	0 down	#NAME?	4.40E-78	3.59E-77
TCONS_00075357	443.97396	0 down	#NAME?	4.40E-78	3.59E-77
TCONS_00057136	443.74487	0 down	#NAME?	4.40E-78	3.59E-77
TCONS_00069734	443.60704	0 down	#NAME?	4.40E-78	3.59E-77
TCONS_00016476	443.24852	0 down	#NAME?	6.54E-78	5.32E-77
TCONS_00036141	441.8684	0 down	#NAME?	9.71E-78	7.84E-77
TCONS_00061528	441.84969	0 down	#NAME?	9.71E-78	7.84E-77
TCONS_00102083	441.84969	0 down	#NAME?	9.71E-78	7.84E-77
TCONS_00093098	440.13457	0 down	#NAME?	2.14E-77	1.72E-76
TCONS_00084324	440.00574	0 down	#NAME?	2.14E-77	1.72E-76
TCONS_00002610	439.24365	0 down	#NAME?	3.18E-77	2.55E-76
TCONS_00038977	439.14816	0 down	#NAME?	3.18E-77	2.55E-76
TCONS_00013887	438.11292	0 down	#NAME?	4.72E-77	3.76E-76
TCONS_00037563	438.06821	0 down	#NAME?	4.72E-77	3.76E-76
TCONS_00079861	436.84594	0 down	#NAME?	7.00E-77	5.58E-76
TCONS_00033778	435.5971	0 down	#NAME?	1.04E-76	8.25E-76
TCONS_00011262	435.16496	0 down	#NAME?	1.54E-76	1.22E-75
TCONS_00015943	433.8177	0 down	#NAME?	2.29E-76	1.81E-75
TCONS_00059181	433.46841	0 down	#NAME?	3.40E-76	2.68E-75
TCONS_00079718	432.17755	0 down	#NAME?	5.05E-76	3.97E-75
TCONS_00095971	430.09978	0 down	#NAME?	1.11E-75	8.74E-75
TCONS_00090448	428.97484	0 down	#NAME?	1.65E-75	1.29E-74
TCONS_00072032	428.58873	0 down	#NAME?	1.65E-75	1.29E-74
TCONS_00048591	427.53048	0 down	#NAME?	2.46E-75	1.91E-74
TCONS_00050861	427.53048	0 down	#NAME?	2.46E-75	1.91E-74
TCONS_00051745	427.53048	0 down	#NAME?	2.46E-75	1.91E-74
TCONS_00094228	427.20758	0 down	#NAME?	3.65E-75	2.82E-74
TCONS_00056349	427.03103	0 down	#NAME?	3.65E-75	2.82E-74
TCONS_00062428	426.52216	0 down	#NAME?	3.65E-75	2.82E-74
TCONS_00010619	426.4286	0 down	#NAME?	5.41E-75	4.17E-74
TCONS_00095397	425.31037	0 down	#NAME?	8.04E-75	6.16E-74
TCONS_00092876	425.04484	0 down	#NAME?	8.04E-75	6.16E-74
TCONS_00061297	424.7899	0 down	#NAME?	8.04E-75	6.16E-74
TCONS_00101246	423.98461	0 down	#NAME?	1.19E-74	9.13E-74
TCONS_00009102	423.13341	0 down	#NAME?	1.77E-74	1.34E-73
TCONS_00064029	422.58793	0 down	#NAME?	1.77E-74	1.34E-73
TCONS_00017615	422.53597	0 down	#NAME?	1.77E-74	1.34E-73
TCONS_00000977	420.85032	0 down	#NAME?	3.91E-74	2.95E-73
TCONS_00035014	420.62172	0 down	#NAME?	3.91E-74	2.95E-73
TCONS_00031940	420.38666	0 down	#NAME?	5.80E-74	4.37E-73
TCONS_00033510	418.80537	0 down	#NAME?	8.62E-74	6.46E-73

TCONS_00007881	418.04091	0 down	#NAME?	1.28E-73	9.48E-73
TCONS_00011175	418.04091	0 down	#NAME?	1.28E-73	9.48E-73
TCONS_00031646	417.96239	0 down	#NAME?	1.28E-73	9.48E-73
TCONS_00076437	417.9138	0 down	#NAME?	1.28E-73	9.48E-73
TCONS_00067729	417.50044	0 down	#NAME?	1.28E-73	9.48E-73
TCONS_00021492	415.38473	0 down	#NAME?	4.19E-73	3.09E-72
TCONS_00063338	415.38473	0 down	#NAME?	4.19E-73	3.09E-72
TCONS_00041864	414.68946	0 down	#NAME?	4.19E-73	3.09E-72
TCONS_00008820	414.23408	0 down	#NAME?	6.22E-73	4.55E-72
TCONS_00021089	414.23408	0 down	#NAME?	6.22E-73	4.55E-72
TCONS_00034107	413.54584	0 down	#NAME?	6.22E-73	4.55E-72
TCONS_00062116	410.30769	0 down	#NAME?	3.02E-72	2.19E-71
TCONS_00072191	410.05929	0 down	#NAME?	3.02E-72	2.19E-71
TCONS_00068948	409.13834	0 down	#NAME?	4.49E-72	3.23E-71
TCONS_00074017	406.25773	0 down	#NAME?	1.47E-71	1.06E-70
TCONS_00039540	405.9914	0 down	#NAME?	1.47E-71	1.06E-70
TCONS_00036330	405.02888	0 down	#NAME?	2.18E-71	1.56E-70
TCONS_00007676	404.77824	0 down	#NAME?	2.18E-71	1.56E-70
TCONS_00003354	403.83481	0 down	#NAME?	3.24E-71	2.31E-70
TCONS_00071308	403.10017	0 down	#NAME?	4.81E-71	3.40E-70
TCONS_00002982	402.97637	0 down	#NAME?	4.81E-71	3.40E-70
TCONS_00050830	402.67406	0 down	#NAME?	4.81E-71	3.40E-70
TCONS_00053311	401.21265	0 down	#NAME?	1.06E-70	7.46E-70
TCONS_00101599	400.17863	0 down	#NAME?	1.57E-70	1.10E-69
TCONS_00018569	399.64806	0 down	#NAME?	1.58E-70	1.10E-69
TCONS_00063339	399.37836	0 down	#NAME?	2.34E-70	1.62E-69
TCONS_00101070	398.51949	0 down	#NAME?	2.34E-70	1.62E-69
TCONS_00071622	397.13267	0 down	#NAME?	5.16E-70	3.56E-69
TCONS_00085107	397.08136	0 down	#NAME?	5.16E-70	3.56E-69
TCONS_00069059	396.63077	0 down	#NAME?	5.16E-70	3.56E-69
TCONS_00081975	395.15525	0 down	#NAME?	1.14E-69	7.79E-69
TCONS_00084268	394.75987	0 down	#NAME?	1.14E-69	7.79E-69
TCONS_00023101	394.5774	0 down	#NAME?	1.14E-69	7.79E-69
TCONS_00021371	393.30698	0 down	#NAME?	2.51E-69	1.71E-68
TCONS_00067397	392.90654	0 down	#NAME?	2.51E-69	1.71E-68
TCONS_00049495	392.177	0 down	#NAME?	3.72E-69	2.52E-68
TCONS_00053988	391.90294	0 down	#NAME?	3.72E-69	2.52E-68
TCONS_00005113	391.22108	0 down	#NAME?	5.53E-69	3.73E-68
TCONS_00038298	390.35392	0 down	#NAME?	8.21E-69	5.53E-68
TCONS_00031666	389.5474	0 down	#NAME?	8.21E-69	5.53E-68
TCONS_00027707	389.35812	0 down	#NAME?	1.22E-68	8.16E-68
TCONS_00051050	389.25159	0 down	#NAME?	1.22E-68	8.16E-68
TCONS_00027522	388.39037	0 down	#NAME?	1.81E-68	1.21E-67
TCONS_00031704	386.6636	0 down	#NAME?	2.69E-68	1.79E-67
TCONS_00050049	385.64405	0 down	#NAME?	3.99E-68	2.65E-67
TCONS_00035362	384.01701	0 down	#NAME?	8.80E-68	5.82E-67
TCONS_00067602	382.0804	0 down	#NAME?	1.94E-67	1.28E-66
TCONS_00048551	381.2311	0 down	#NAME?	2.88E-67	1.89E-66
TCONS_00028586	380.94062	0 down	#NAME?	2.88E-67	1.89E-66

TCONS_00013919	380.30328	0 down	#NAME?	4.28E-67	2.79E-66
TCONS_00046008	380.08503	0 down	#NAME?	4.28E-67	2.79E-66
TCONS_00097124	380.08503	0 down	#NAME?	4.28E-67	2.79E-66
TCONS_00037699	379.09107	0 down	#NAME?	6.36E-67	4.13E-66
TCONS_00000817	378.81849	0 down	#NAME?	6.36E-67	4.13E-66
TCONS_00048245	377.23278	0 down	#NAME?	1.40E-66	9.07E-66
TCONS_00005784	376.41271	0 down	#NAME?	2.08E-66	1.34E-65
TCONS_00099375	376.03249	0 down	#NAME?	2.08E-66	1.34E-65
TCONS_00063747	375.82007	0 down	#NAME?	2.08E-66	1.34E-65
TCONS_00069894	375.39262	0 down	#NAME?	3.09E-66	1.97E-65
TCONS_00088054	374.84187	0 down	#NAME?	3.09E-66	1.97E-65
TCONS_00096009	373.24625	0 down	#NAME?	6.82E-66	4.32E-65
TCONS_00057343	372.91205	0 down	#NAME?	6.82E-66	4.32E-65
TCONS_00047051	372.07252	0 down	#NAME?	1.01E-65	6.41E-65
TCONS_00009917	371.44356	0 down	#NAME?	1.50E-65	9.46E-65
TCONS_00035879	371.03538	0 down	#NAME?	1.50E-65	9.46E-65
TCONS_00047999	370.97376	0 down	#NAME?	1.50E-65	9.46E-65
TCONS_00036139	370.74909	0 down	#NAME?	1.50E-65	9.46E-65
TCONS_00088786	370.30572	0 down	#NAME?	2.23E-65	1.40E-64
TCONS_00099308	369.9783	0 down	#NAME?	2.23E-65	1.40E-64
TCONS_00049667	367.62175	0 down	#NAME?	4.92E-65	3.07E-64
TCONS_00009278	367.11857	0 down	#NAME?	7.31E-65	4.54E-64
TCONS_00023264	366.31288	0 down	#NAME?	1.09E-64	6.72E-64
TCONS_00090968	366.0078	0 down	#NAME?	1.09E-64	6.72E-64
TCONS_00092186	365.18229	0 down	#NAME?	1.61E-64	9.93E-64
TCONS_00010853	364.87515	0 down	#NAME?	1.61E-64	9.93E-64
TCONS_00036868	362.99758	0 down	#NAME?	3.56E-64	2.18E-63
TCONS_00083317	362.55625	0 down	#NAME?	3.56E-64	2.18E-63
TCONS_00038790	362.25091	0 down	#NAME?	5.28E-64	3.22E-63
TCONS_00027835	360.21717	0 down	#NAME?	1.16E-63	7.07E-63
TCONS_00024945	359.12561	0 down	#NAME?	1.73E-63	1.05E-62
TCONS_00044447	358.48829	0 down	#NAME?	2.57E-63	1.55E-62
TCONS_00022847	357.9325	0 down	#NAME?	2.57E-63	1.55E-62
TCONS_00004687	356.62299	0 down	#NAME?	3.81E-63	2.29E-62
TCONS_00078799	356.04406	0 down	#NAME?	5.67E-63	3.39E-62
TCONS_00056912	355.39788	0 down	#NAME?	8.41E-63	5.00E-62
TCONS_00067149	355.34483	0 down	#NAME?	8.41E-63	5.00E-62
TCONS_00083468	354.65597	0 down	#NAME?	8.41E-63	5.00E-62
TCONS_00077926	354.63358	0 down	#NAME?	8.41E-63	5.00E-62
TCONS_00039953	354.12209	0 down	#NAME?	1.25E-62	7.40E-62
TCONS_00011170	353.71917	0 down	#NAME?	1.25E-62	7.40E-62
TCONS_00053878	353.19123	0 down	#NAME?	1.86E-62	1.10E-61
TCONS_00026841	352.31679	0 down	#NAME?	2.76E-62	1.62E-61
TCONS_00038258	351.82196	0 down	#NAME?	2.76E-62	1.62E-61
TCONS_00014407	351.39492	0 down	#NAME?	4.09E-62	2.39E-61
TCONS_00098312	351.04102	0 down	#NAME?	4.09E-62	2.39E-61
TCONS_00052512	350.61495	0 down	#NAME?	4.09E-62	2.39E-61
TCONS_00017346	350.20066	0 down	#NAME?	6.08E-62	3.54E-61
TCONS_00051394	347.23817	0 down	#NAME?	1.99E-61	1.16E-60

TCONS_00025006	347.07096	0 down	#NAME?	1.99E-61	1.16E-60
TCONS_00020332	346.48205	0 down	#NAME?	2.96E-61	1.71E-60
TCONS_00037067	346.04571	0 down	#NAME?	2.96E-61	1.71E-60
TCONS_00034015	345.9206	0 down	#NAME?	2.96E-61	1.71E-60
TCONS_00024904	344.51003	0 down	#NAME?	4.39E-61	2.54E-60
TCONS_00074120	344.27455	0 down	#NAME?	6.52E-61	3.73E-60
TCONS_00078105	344.22491	0 down	#NAME?	6.52E-61	3.73E-60
TCONS_00004700	341.58813	0 down	#NAME?	1.44E-60	8.20E-60
TCONS_00010685	341.18196	0 down	#NAME?	2.14E-60	1.21E-59
TCONS_00075991	341.18196	0 down	#NAME?	2.14E-60	1.21E-59
TCONS_00095417	341.05273	0 down	#NAME?	2.14E-60	1.21E-59
TCONS_00038034	340.94203	0 down	#NAME?	2.14E-60	1.21E-59
TCONS_00056899	340.68835	0 down	#NAME?	2.14E-60	1.21E-59
TCONS_00080516	340.03587	0 down	#NAME?	3.17E-60	1.79E-59
TCONS_00038979	339.964	0 down	#NAME?	3.17E-60	1.79E-59
TCONS_00033950	339.71985	0 down	#NAME?	3.17E-60	1.79E-59
TCONS_00007995	338.21761	0 down	#NAME?	7.00E-60	3.90E-59
TCONS_00052761	337.72838	0 down	#NAME?	7.00E-60	3.90E-59
TCONS_00071940	337.3641	0 down	#NAME?	1.04E-59	5.77E-59
TCONS_00024659	336.9019	0 down	#NAME?	1.04E-59	5.77E-59
TCONS_00041711	336.9019	0 down	#NAME?	1.04E-59	5.77E-59
TCONS_00026577	334.23464	0 down	#NAME?	3.41E-59	1.88E-58
TCONS_00069154	334.19636	0 down	#NAME?	3.41E-59	1.88E-58
TCONS_00061602	333.82517	0 down	#NAME?	3.41E-59	1.88E-58
TCONS_00005514	332.65072	0 down	#NAME?	5.06E-59	2.77E-58
TCONS_00039041	329.6802	0 down	#NAME?	1.66E-58	9.03E-58
TCONS_00100019	328.7376	0 down	#NAME?	2.46E-58	1.34E-57
TCONS_00017040	328.35574	0 down	#NAME?	3.66E-58	1.98E-57
TCONS_00057462	326.87403	0 down	#NAME?	5.43E-58	2.92E-57
TCONS_00080136	326.64929	0 down	#NAME?	5.43E-58	2.92E-57
TCONS_00066539	325.4426	0 down	#NAME?	1.20E-57	6.40E-57
TCONS_00053787	323.73102	0 down	#NAME?	1.78E-57	9.46E-57
TCONS_00089735	323.64457	0 down	#NAME?	1.78E-57	9.46E-57
TCONS_00009702	323.15292	0 down	#NAME?	2.64E-57	1.40E-56
TCONS_00061877	322.16035	0 down	#NAME?	3.93E-57	2.06E-56
TCONS_00074177	322.16035	0 down	#NAME?	3.93E-57	2.06E-56
TCONS_00047080	322.13925	0 down	#NAME?	3.93E-57	2.06E-56
TCONS_00074220	322.11872	0 down	#NAME?	3.93E-57	2.06E-56
TCONS_00017150	320.64786	0 down	#NAME?	5.83E-57	3.04E-56
TCONS_00051546	320.64786	0 down	#NAME?	5.83E-57	3.04E-56
TCONS_00088064	320.64786	0 down	#NAME?	5.83E-57	3.04E-56
TCONS_00067652	319.21959	0 down	#NAME?	1.29E-56	6.67E-56
TCONS_00068788	319.1282	0 down	#NAME?	1.29E-56	6.67E-56
TCONS_00013920	319.08373	0 down	#NAME?	1.29E-56	6.67E-56
TCONS_00083273	317.70614	0 down	#NAME?	1.91E-56	9.86E-56
TCONS_00034142	317.53478	0 down	#NAME?	1.91E-56	9.86E-56
TCONS_00057350	316.68925	0 down	#NAME?	2.84E-56	1.46E-55
TCONS_00059207	316.06718	0 down	#NAME?	4.22E-56	2.16E-55
TCONS_00080719	314.76442	0 down	#NAME?	6.26E-56	3.19E-55

TCONS_00085119	314.26046	0 down	#NAME?	9.30E-56	4.74E-55
TCONS_00092759	313.19094	0 down	#NAME?	1.38E-55	7.03E-55
TCONS_00083316	311.86299	0 down	#NAME?	2.05E-55	1.04E-54
TCONS_00094737	309.85683	0 down	#NAME?	4.53E-55	2.28E-54
TCONS_00035171	308.37426	0 down	#NAME?	9.99E-55	5.01E-54
TCONS_00029005	307.56019	0 down	#NAME?	9.99E-55	5.01E-54
TCONS_00013828	307.50656	0 down	#NAME?	9.99E-55	5.01E-54
TCONS_00093926	307.28754	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00087302	306.90581	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00006431	306.70665	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00037139	306.70665	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00042951	306.70665	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00081885	306.70665	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00006569	306.64577	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00085372	306.50163	0 down	#NAME?	1.48E-54	7.35E-54
TCONS_00098440	305.0065	0 down	#NAME?	3.27E-54	1.61E-53
TCONS_00024804	304.56521	0 down	#NAME?	3.27E-54	1.61E-53
TCONS_00093936	304.24262	0 down	#NAME?	4.86E-54	2.38E-53
TCONS_00015222	303.56417	0 down	#NAME?	4.86E-54	2.38E-53
TCONS_00049152	303.15798	0 down	#NAME?	7.23E-54	3.53E-53
TCONS_00080862	302.58319	0 down	#NAME?	7.23E-54	3.53E-53
TCONS_00082212	302.20352	0 down	#NAME?	1.07E-53	5.20E-53
TCONS_00086710	302.05958	0 down	#NAME?	1.07E-53	5.20E-53
TCONS_00018073	301.78622	0 down	#NAME?	1.07E-53	5.20E-53
TCONS_00057428	301.70049	0 down	#NAME?	1.07E-53	5.20E-53
TCONS_00068410	300.89231	0 down	#NAME?	1.59E-53	7.66E-53
TCONS_00016683	300.60737	0 down	#NAME?	1.59E-53	7.66E-53
TCONS_00067048	299.27134	0 down	#NAME?	3.52E-53	1.68E-52
TCONS_00019375	298.98247	0 down	#NAME?	3.52E-53	1.68E-52
TCONS_00042384	298.98247	0 down	#NAME?	3.52E-53	1.68E-52
TCONS_00029958	298.76064	0 down	#NAME?	3.52E-53	1.68E-52
TCONS_00029080	297.74444	0 down	#NAME?	5.23E-53	2.48E-52
TCONS_00101601	297.50833	0 down	#NAME?	5.23E-53	2.48E-52
TCONS_00101602	297.32802	0 down	#NAME?	7.76E-53	3.66E-52
TCONS_00067071	297.00562	0 down	#NAME?	7.76E-53	3.66E-52
TCONS_00084005	296.56759	0 down	#NAME?	7.76E-53	3.66E-52
TCONS_00099915	295.14178	0 down	#NAME?	1.71E-52	8.02E-52
TCONS_00050183	294.56646	0 down	#NAME?	1.71E-52	8.02E-52
TCONS_00011721	294.18663	0 down	#NAME?	2.55E-52	1.19E-51
TCONS_00096194	292.95555	0 down	#NAME?	3.78E-52	1.76E-51
TCONS_00057134	292.01859	0 down	#NAME?	5.62E-52	2.60E-51
TCONS_00020876	291.80297	0 down	#NAME?	5.62E-52	2.60E-51
TCONS_00002445	291.77436	0 down	#NAME?	5.62E-52	2.60E-51
TCONS_00003516	290.82015	0 down	#NAME?	8.34E-52	3.84E-51
TCONS_00024349	289.48209	0 down	#NAME?	1.84E-51	8.46E-51
TCONS_00041107	288.2228	0 down	#NAME?	2.74E-51	1.25E-50
TCONS_00024108	287.7242	0 down	#NAME?	2.74E-51	1.25E-50
TCONS_00063539	286.81804	0 down	#NAME?	4.06E-51	1.85E-50
TCONS_00094612	286.44542	0 down	#NAME?	6.04E-51	2.73E-50

TCONS_00038115	286.346	0 down	#NAME?	6.04E-51	2.73E-50
TCONS_00003927	286.09529	0 down	#NAME?	6.04E-51	2.73E-50
TCONS_00059160	285.72582	0 down	#NAME?	6.04E-51	2.73E-50
TCONS_00037011	285.45009	0 down	#NAME?	8.97E-51	4.04E-50
TCONS_00029878	285.17797	0 down	#NAME?	8.97E-51	4.04E-50
TCONS_00017562	285.02032	0 down	#NAME?	8.97E-51	4.04E-50
TCONS_00042634	284.21061	0 down	#NAME?	1.33E-50	5.99E-50
TCONS_00029268	283.42981	0 down	#NAME?	1.98E-50	8.82E-50
TCONS_00017390	282.92458	0 down	#NAME?	1.98E-50	8.82E-50
TCONS_00002940	282.45435	0 down	#NAME?	2.94E-50	1.31E-49
TCONS_00038963	281.32312	0 down	#NAME?	4.37E-50	1.94E-49
TCONS_00024972	280.56688	0 down	#NAME?	4.37E-50	1.94E-49
TCONS_00092616	280.56688	0 down	#NAME?	4.37E-50	1.94E-49
TCONS_00022259	280.00236	0 down	#NAME?	6.49E-50	2.86E-49
TCONS_00087358	279.59606	0 down	#NAME?	6.49E-50	2.86E-49
TCONS_00082238	279.16545	0 down	#NAME?	9.64E-50	4.23E-49
TCONS_00039543	278.69394	0 down	#NAME?	9.64E-50	4.23E-49
TCONS_00050736	278.5719	0 down	#NAME?	9.64E-50	4.23E-49
TCONS_00062025	278.5719	0 down	#NAME?	9.64E-50	4.23E-49
TCONS_00008306	278.55509	0 down	#NAME?	9.64E-50	4.23E-49
TCONS_00071223	278.34963	0 down	#NAME?	1.43E-49	6.24E-49
TCONS_00008574	277.39769	0 down	#NAME?	2.13E-49	9.25E-49
TCONS_00040784	276.78566	0 down	#NAME?	2.13E-49	9.25E-49
TCONS_00039441	276.11344	0 down	#NAME?	3.16E-49	1.36E-48
TCONS_00037675	274.84103	0 down	#NAME?	4.70E-49	2.02E-48
TCONS_00047023	274.84103	0 down	#NAME?	4.70E-49	2.02E-48
TCONS_00080387	274.21921	0 down	#NAME?	6.98E-49	2.99E-48
TCONS_00077865	273.04076	0 down	#NAME?	1.04E-48	4.40E-48
TCONS_00073273	272.98399	0 down	#NAME?	1.04E-48	4.40E-48
TCONS_00002759	272.55068	0 down	#NAME?	1.04E-48	4.40E-48
TCONS_00096050	272.15965	0 down	#NAME?	1.54E-48	6.47E-48
TCONS_00015863	271.69399	0 down	#NAME?	1.54E-48	6.47E-48
TCONS_00004474	271.65999	0 down	#NAME?	1.54E-48	6.47E-48
TCONS_00069423	271.65999	0 down	#NAME?	1.54E-48	6.47E-48
TCONS_00021909	270.8111	0 down	#NAME?	2.29E-48	9.59E-48
TCONS_00099702	270.10239	0 down	#NAME?	3.40E-48	1.42E-47
TCONS_00080723	269.1677	0 down	#NAME?	5.05E-48	2.10E-47
TCONS_00008274	268.54258	0 down	#NAME?	5.05E-48	2.10E-47
TCONS_00017903	266.13773	0 down	#NAME?	1.66E-47	6.83E-47
TCONS_00066446	265.51384	0 down	#NAME?	1.66E-47	6.83E-47
TCONS_00102052	265.51384	0 down	#NAME?	1.66E-47	6.83E-47
TCONS_00072315	265.00398	0 down	#NAME?	2.46E-47	1.01E-46
TCONS_00046288	264.75512	0 down	#NAME?	2.46E-47	1.01E-46
TCONS_00011279	263.97522	0 down	#NAME?	3.66E-47	1.48E-46
TCONS_00059334	263.97522	0 down	#NAME?	3.66E-47	1.48E-46
TCONS_00077157	263.54619	0 down	#NAME?	3.66E-47	1.48E-46
TCONS_00093573	263.54619	0 down	#NAME?	3.66E-47	1.48E-46
TCONS_00050350	263.06212	0 down	#NAME?	5.43E-47	2.19E-46
TCONS_00020363	262.75311	0 down	#NAME?	5.43E-47	2.19E-46

TCONS_00021444	262.75311	0 down	#NAME?	5.43E-47	2.19E-46
TCONS_00018241	261.93769	0 down	#NAME?	8.07E-47	3.24E-46
TCONS_00069623	261.93769	0 down	#NAME?	8.07E-47	3.24E-46
TCONS_00040536	261.91533	0 down	#NAME?	8.07E-47	3.24E-46
TCONS_00031690	261.31538	0 down	#NAME?	1.20E-46	4.78E-46
TCONS_00085563	261.16116	0 down	#NAME?	1.20E-46	4.78E-46
TCONS_00013552	260.79359	0 down	#NAME?	1.20E-46	4.78E-46
TCONS_00042816	260.67056	0 down	#NAME?	1.20E-46	4.78E-46
TCONS_00053344	259.92471	0 down	#NAME?	1.78E-46	7.07E-46
TCONS_00036651	259.45552	0 down	#NAME?	2.65E-46	1.05E-45
TCONS_00008553	257.97578	0 down	#NAME?	3.94E-46	1.55E-45
TCONS_00093818	257.81821	0 down	#NAME?	3.94E-46	1.55E-45
TCONS_00056441	257.75836	0 down	#NAME?	3.94E-46	1.55E-45
TCONS_00018473	257.66346	0 down	#NAME?	3.94E-46	1.55E-45
TCONS_00100015	257.26398	0 down	#NAME?	5.85E-46	2.29E-45
TCONS_00035097	257.10935	0 down	#NAME?	5.85E-46	2.29E-45
TCONS_00038549	256.80847	0 down	#NAME?	5.85E-46	2.29E-45
TCONS_00041021	256.51829	0 down	#NAME?	5.85E-46	2.29E-45
TCONS_00089761	255.92995	0 down	#NAME?	8.69E-46	3.38E-45
TCONS_00076454	255.88647	0 down	#NAME?	8.69E-46	3.38E-45
TCONS_00058875	255.65167	0 down	#NAME?	8.69E-46	3.38E-45
TCONS_00067404	255.38325	0 down	#NAME?	1.29E-45	5.00E-45
TCONS_00018568	255.0269	0 down	#NAME?	1.29E-45	5.00E-45
TCONS_00030179	254.76132	0 down	#NAME?	1.29E-45	5.00E-45
TCONS_00085849	254.50525	0 down	#NAME?	1.29E-45	5.00E-45
TCONS_00031700	254.30693	0 down	#NAME?	1.92E-45	7.36E-45
TCONS_00026770	254.09831	0 down	#NAME?	1.92E-45	7.36E-45
TCONS_00075086	254.09831	0 down	#NAME?	1.92E-45	7.36E-45
TCONS_00062508	253.84622	0 down	#NAME?	1.92E-45	7.36E-45
TCONS_00016162	253.56672	0 down	#NAME?	1.92E-45	7.36E-45
TCONS_00077007	252.90536	0 down	#NAME?	2.85E-45	1.09E-44
TCONS_00052174	252.67643	0 down	#NAME?	2.85E-45	1.09E-44
TCONS_00099513	252.45578	0 down	#NAME?	4.24E-45	1.61E-44
TCONS_00078640	251.67129	0 down	#NAME?	4.24E-45	1.61E-44
TCONS_00052498	250.55275	0 down	#NAME?	6.29E-45	2.38E-44
TCONS_00038541	249.95385	0 down	#NAME?	9.35E-45	3.52E-44
TCONS_00064114	249.56084	0 down	#NAME?	9.35E-45	3.52E-44
TCONS_00093741	249.07468	0 down	#NAME?	1.39E-44	5.20E-44
TCONS_00032433	248.1031	0 down	#NAME?	2.06E-44	7.68E-44
TCONS_00007145	247.62904	0 down	#NAME?	2.06E-44	7.68E-44
TCONS_00024927	246.98552	0 down	#NAME?	3.07E-44	1.14E-43
TCONS_00077090	246.07859	0 down	#NAME?	4.56E-44	1.67E-43
TCONS_00007254	245.87796	0 down	#NAME?	4.56E-44	1.67E-43
TCONS_00058168	245.87796	0 down	#NAME?	4.56E-44	1.67E-43
TCONS_00093653	245.37841	0 down	#NAME?	6.78E-44	2.47E-43
TCONS_00007793	245.24799	0 down	#NAME?	6.78E-44	2.47E-43
TCONS_00037504	245.20131	0 down	#NAME?	6.78E-44	2.47E-43
TCONS_00016779	245.11063	0 down	#NAME?	6.78E-44	2.47E-43
TCONS_00027568	245.11063	0 down	#NAME?	6.78E-44	2.47E-43

TCONS_00049433	244.85837	0 down	#NAME?	6.78E-44	2.47E-43
TCONS_00092138	243.93785	0 down	#NAME?	1.01E-43	3.64E-43
TCONS_00084353	243.87302	0 down	#NAME?	1.01E-43	3.64E-43
TCONS_00058404	243.81059	0 down	#NAME?	1.01E-43	3.64E-43
TCONS_00099184	243.69238	0 down	#NAME?	1.01E-43	3.64E-43
TCONS_00063433	243.08294	0 down	#NAME?	1.50E-43	5.37E-43
TCONS_00006665	242.73343	0 down	#NAME?	1.50E-43	5.37E-43
TCONS_00060932	242.34054	0 down	#NAME?	2.22E-43	7.96E-43
TCONS_00034725	242.21601	0 down	#NAME?	2.22E-43	7.96E-43
TCONS_00061626	241.67056	0 down	#NAME?	2.22E-43	7.96E-43
TCONS_00011501	241.62564	0 down	#NAME?	2.22E-43	7.96E-43
TCONS_00073978	241.47555	0 down	#NAME?	3.30E-43	1.18E-42
TCONS_00082211	240.4859	0 down	#NAME?	4.91E-43	1.75E-42
TCONS_00003506	239.41707	0 down	#NAME?	7.30E-43	2.58E-42
TCONS_00036106	239.3128	0 down	#NAME?	7.30E-43	2.58E-42
TCONS_00011711	238.2796	0 down	#NAME?	1.08E-42	3.79E-42
TCONS_00042250	238.2796	0 down	#NAME?	1.08E-42	3.79E-42
TCONS_00024963	238.1661	0 down	#NAME?	1.08E-42	3.79E-42
TCONS_00087596	237.65665	0 down	#NAME?	1.08E-42	3.79E-42
TCONS_00007239	237.30767	0 down	#NAME?	1.61E-42	5.62E-42
TCONS_00021274	237.13028	0 down	#NAME?	1.61E-42	5.62E-42
TCONS_00085249	236.19151	0 down	#NAME?	2.39E-42	8.30E-42
TCONS_00095895	236.11343	0 down	#NAME?	2.39E-42	8.30E-42
TCONS_00017383	235.97935	0 down	#NAME?	2.39E-42	8.30E-42
TCONS_00078897	235.80718	0 down	#NAME?	2.39E-42	8.30E-42
TCONS_00063975	235.23511	0 down	#NAME?	3.56E-42	1.22E-41
TCONS_00020145	234.94475	0 down	#NAME?	3.56E-42	1.22E-41
TCONS_00014085	234.84069	0 down	#NAME?	3.56E-42	1.22E-41
TCONS_00050606	233.98628	0 down	#NAME?	5.29E-42	1.81E-41
TCONS_00075214	233.86702	0 down	#NAME?	5.29E-42	1.81E-41
TCONS_00083160	233.86702	0 down	#NAME?	5.29E-42	1.81E-41
TCONS_00100382	233.7433	0 down	#NAME?	5.29E-42	1.81E-41
TCONS_00037491	233.72031	0 down	#NAME?	5.29E-42	1.81E-41
TCONS_00000541	233.65822	0 down	#NAME?	5.29E-42	1.81E-41
TCONS_00053376	233.19845	0 down	#NAME?	7.86E-42	2.67E-41
TCONS_00049449	232.93701	0 down	#NAME?	7.86E-42	2.67E-41
TCONS_00008674	232.50769	0 down	#NAME?	7.86E-42	2.67E-41
TCONS_00038342	232.39033	0 down	#NAME?	1.17E-41	3.96E-41
TCONS_00088822	232.19328	0 down	#NAME?	1.17E-41	3.96E-41
TCONS_00037686	232.0478	0 down	#NAME?	1.17E-41	3.96E-41
TCONS_00002405	231.74096	0 down	#NAME?	1.17E-41	3.96E-41
TCONS_00073584	231.41096	0 down	#NAME?	1.74E-41	5.85E-41
TCONS_00058848	230.86646	0 down	#NAME?	1.74E-41	5.85E-41
TCONS_00095215	230.69235	0 down	#NAME?	1.74E-41	5.85E-41
TCONS_00070803	230.51183	0 down	#NAME?	1.74E-41	5.85E-41
TCONS_00069157	230.41905	0 down	#NAME?	2.58E-41	8.58E-41
TCONS_00088267	230.32452	0 down	#NAME?	2.58E-41	8.58E-41
TCONS_00068536	230.28347	0 down	#NAME?	2.58E-41	8.58E-41
TCONS_00006884	230.02999	0 down	#NAME?	2.58E-41	8.58E-41

TCONS_00071731	229.81587	0 down	#NAME?	2.58E-41	8.58E-41
TCONS_00036887	229.6532	0 down	#NAME?	2.58E-41	8.58E-41
TCONS_00021910	228.81182	0 down	#NAME?	3.83E-41	1.27E-40
TCONS_00099727	227.94872	0 down	#NAME?	5.70E-41	1.88E-40
TCONS_00028968	227.60272	0 down	#NAME?	5.70E-41	1.88E-40
TCONS_00057137	227.12557	0 down	#NAME?	8.47E-41	2.77E-40
TCONS_00063388	226.87349	0 down	#NAME?	8.47E-41	2.77E-40
TCONS_00021309	225.32012	0 down	#NAME?	1.87E-40	6.07E-40
TCONS_00026758	224.01426	0 down	#NAME?	2.78E-40	9.00E-40
TCONS_00003298	223.60969	0 down	#NAME?	2.78E-40	9.00E-40
TCONS_00027488	222.99601	0 down	#NAME?	4.13E-40	1.33E-39
TCONS_00005648	221.75647	0 down	#NAME?	6.14E-40	1.96E-39
TCONS_00093499	221.33215	0 down	#NAME?	9.13E-40	2.90E-39
TCONS_00041975	221.27032	0 down	#NAME?	9.13E-40	2.90E-39
TCONS_00083937	220.35712	0 down	#NAME?	1.36E-39	4.29E-39
TCONS_00017385	219.62182	0 down	#NAME?	1.36E-39	4.29E-39
TCONS_00099673	218.41231	0 down	#NAME?	3.00E-39	9.37E-39
TCONS_00102020	218.04055	0 down	#NAME?	3.00E-39	9.37E-39
TCONS_00037069	217.6343	0 down	#NAME?	3.00E-39	9.37E-39
TCONS_00070237	217.6343	0 down	#NAME?	3.00E-39	9.37E-39
TCONS_00083452	217.6343	0 down	#NAME?	3.00E-39	9.37E-39
TCONS_00086188	217.40521	0 down	#NAME?	4.46E-39	1.38E-38
TCONS_00033332	217.21307	0 down	#NAME?	4.46E-39	1.38E-38
TCONS_00057232	217.02386	0 down	#NAME?	4.46E-39	1.38E-38
TCONS_00049986	216.90885	0 down	#NAME?	4.46E-39	1.38E-38
TCONS_00080591	216.77602	0 down	#NAME?	4.46E-39	1.38E-38
TCONS_00011713	216.54141	0 down	#NAME?	4.46E-39	1.38E-38
TCONS_00039877	216.32224	0 down	#NAME?	6.62E-39	2.04E-38
TCONS_00010989	216.21668	0 down	#NAME?	6.62E-39	2.04E-38
TCONS_00077124	216.11948	0 down	#NAME?	6.62E-39	2.04E-38
TCONS_00044792	216.00128	0 down	#NAME?	6.62E-39	2.04E-38
TCONS_00089924	215.85076	0 down	#NAME?	6.62E-39	2.04E-38
TCONS_00100923	215.68242	0 down	#NAME?	6.62E-39	2.04E-38
TCONS_00041916	215.29214	0 down	#NAME?	9.84E-39	2.99E-38
TCONS_00061519	215.22939	0 down	#NAME?	9.84E-39	2.99E-38
TCONS_00080322	215.22939	0 down	#NAME?	9.84E-39	2.99E-38
TCONS_00027044	214.27179	0 down	#NAME?	1.46E-38	4.40E-38
TCONS_00088535	214.27179	0 down	#NAME?	1.46E-38	4.40E-38
TCONS_00014758	213.76524	0 down	#NAME?	1.46E-38	4.40E-38
TCONS_00049193	213.76524	0 down	#NAME?	1.46E-38	4.40E-38
TCONS_00086768	213.76524	0 down	#NAME?	1.46E-38	4.40E-38
TCONS_00065735	213.31803	0 down	#NAME?	2.17E-38	6.52E-38
TCONS_00061865	213.26108	0 down	#NAME?	2.17E-38	6.52E-38
TCONS_00067915	212.73752	0 down	#NAME?	2.17E-38	6.52E-38
TCONS_00018222	212.37716	0 down	#NAME?	3.23E-38	9.61E-38
TCONS_00070258	211.95367	0 down	#NAME?	3.23E-38	9.61E-38
TCONS_00029360	211.88185	0 down	#NAME?	3.23E-38	9.61E-38
TCONS_00051505	211.88185	0 down	#NAME?	3.23E-38	9.61E-38
TCONS_00023160	211.80409	0 down	#NAME?	3.23E-38	9.61E-38

TCONS_00014468	211.36877	0 down	#NAME?	4.81E-38	1.43E-37
TCONS_00018186	210.42516	0 down	#NAME?	7.14E-38	2.11E-37
TCONS_00021126	209.48994	0 down	#NAME?	1.06E-37	3.12E-37
TCONS_00045084	209.48994	0 down	#NAME?	1.06E-37	3.12E-37
TCONS_00051314	209.48994	0 down	#NAME?	1.06E-37	3.12E-37
TCONS_00041427	209.11817	0 down	#NAME?	1.06E-37	3.12E-37
TCONS_00002964	208.2129	0 down	#NAME?	1.58E-37	4.63E-37
TCONS_00099206	207.9878	0 down	#NAME?	1.58E-37	4.63E-37
TCONS_00008354	207.74369	0 down	#NAME?	1.58E-37	4.63E-37
TCONS_00035075	207.74369	0 down	#NAME?	1.58E-37	4.63E-37
TCONS_00069879	206.84279	0 down	#NAME?	2.35E-37	6.83E-37
TCONS_00026719	205.81119	0 down	#NAME?	3.49E-37	1.00E-36
TCONS_00057031	205.81119	0 down	#NAME?	3.49E-37	1.00E-36
TCONS_00091924	205.81119	0 down	#NAME?	3.49E-37	1.00E-36
TCONS_00002194	205.50613	0 down	#NAME?	3.49E-37	1.00E-36
TCONS_00029441	205.50613	0 down	#NAME?	3.49E-37	1.00E-36
TCONS_00037636	205.50613	0 down	#NAME?	3.49E-37	1.00E-36
TCONS_00017576	204.93581	0 down	#NAME?	5.18E-37	1.49E-36
TCONS_00005312	204.66885	0 down	#NAME?	5.18E-37	1.49E-36
TCONS_00013407	204.41301	0 down	#NAME?	7.71E-37	2.19E-36
TCONS_00041459	204.04864	0 down	#NAME?	7.71E-37	2.19E-36
TCONS_00001023	203.80161	0 down	#NAME?	7.71E-37	2.19E-36
TCONS_00067275	203.65472	0 down	#NAME?	7.71E-37	2.19E-36
TCONS_00068505	203.65472	0 down	#NAME?	7.71E-37	2.19E-36
TCONS_00073705	203.65472	0 down	#NAME?	7.71E-37	2.19E-36
TCONS_00075131	203.22752	0 down	#NAME?	1.15E-36	3.26E-36
TCONS_00018098	202.38912	0 down	#NAME?	1.70E-36	4.80E-36
TCONS_00049000	201.55009	0 down	#NAME?	1.70E-36	4.80E-36
TCONS_00044370	201.24343	0 down	#NAME?	2.53E-36	7.07E-36
TCONS_00034066	201.13366	0 down	#NAME?	2.53E-36	7.07E-36
TCONS_00026832	200.79405	0 down	#NAME?	2.53E-36	7.07E-36
TCONS_00027228	200.75344	0 down	#NAME?	2.53E-36	7.07E-36
TCONS_00056285	200.4422	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00044490	200.40491	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00071062	200.40491	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00086845	200.24132	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00029029	200.22355	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00001930	199.88438	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00050760	199.82403	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00006721	199.78828	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00039247	199.72558	0 down	#NAME?	3.76E-36	1.04E-35
TCONS_00021190	199.48139	0 down	#NAME?	5.60E-36	1.54E-35
TCONS_00047947	199.32164	0 down	#NAME?	5.60E-36	1.54E-35
TCONS_00080220	199.32164	0 down	#NAME?	5.60E-36	1.54E-35
TCONS_00061152	199.02281	0 down	#NAME?	5.60E-36	1.54E-35
TCONS_00014546	198.42783	0 down	#NAME?	8.32E-36	2.27E-35
TCONS_00058496	198.42783	0 down	#NAME?	8.32E-36	2.27E-35
TCONS_00044701	198.29539	0 down	#NAME?	8.32E-36	2.27E-35
TCONS_00101979	198.29539	0 down	#NAME?	8.32E-36	2.27E-35

TCONS_00036527	197.08113	0 down	#NAME?	1.24E-35	3.36E-35
TCONS_00057384	196.86287	0 down	#NAME?	1.24E-35	3.36E-35
TCONS_00093414	196.76119	0 down	#NAME?	1.24E-35	3.36E-35
TCONS_00003586	196.66402	0 down	#NAME?	1.24E-35	3.36E-35
TCONS_00009982	196.57108	0 down	#NAME?	1.24E-35	3.36E-35
TCONS_00021187	196.39682	0 down	#NAME?	1.84E-35	4.93E-35
TCONS_00068720	195.95147	0 down	#NAME?	1.84E-35	4.93E-35
TCONS_00034812	195.93097	0 down	#NAME?	1.84E-35	4.93E-35
TCONS_00007468	195.90014	0 down	#NAME?	1.84E-35	4.93E-35
TCONS_00094987	195.74433	0 down	#NAME?	1.84E-35	4.93E-35
TCONS_00083719	195.64954	0 down	#NAME?	1.84E-35	4.93E-35
TCONS_00075113	194.98857	0 down	#NAME?	2.73E-35	7.31E-35
TCONS_00002410	194.9313	0 down	#NAME?	2.73E-35	7.31E-35
TCONS_00023614	194.9313	0 down	#NAME?	2.73E-35	7.31E-35
TCONS_00010923	194.82402	0 down	#NAME?	2.73E-35	7.31E-35
TCONS_00061576	194.15375	0 down	#NAME?	4.06E-35	1.08E-34
TCONS_00062450	194.04012	0 down	#NAME?	4.06E-35	1.08E-34
TCONS_00028543	192.97349	0 down	#NAME?	6.04E-35	1.60E-34
TCONS_00020233	192.38872	0 down	#NAME?	8.98E-35	2.36E-34
TCONS_00022133	192.38872	0 down	#NAME?	8.98E-35	2.36E-34
TCONS_00042567	192.38872	0 down	#NAME?	8.98E-35	2.36E-34
TCONS_00074903	192.38872	0 down	#NAME?	8.98E-35	2.36E-34
TCONS_00075912	192.38872	0 down	#NAME?	8.98E-35	2.36E-34
TCONS_00057330	191.66545	0 down	#NAME?	8.99E-35	2.36E-34
TCONS_00060843	191.55587	0 down	#NAME?	8.99E-35	2.36E-34
TCONS_00034811	191.49803	0 down	#NAME?	1.34E-34	3.50E-34
TCONS_00051825	190.79873	0 down	#NAME?	1.34E-34	3.50E-34
TCONS_00000886	190.61555	0 down	#NAME?	1.34E-34	3.50E-34
TCONS_00079191	189.96365	0 down	#NAME?	1.99E-34	5.18E-34
TCONS_00035293	189.85729	0 down	#NAME?	1.99E-34	5.18E-34
TCONS_00037877	189.61388	0 down	#NAME?	1.99E-34	5.18E-34
TCONS_00100249	189.02822	0 down	#NAME?	2.95E-34	7.66E-34
TCONS_00042599	188.87477	0 down	#NAME?	2.95E-34	7.66E-34
TCONS_00009855	188.79267	0 down	#NAME?	2.95E-34	7.66E-34
TCONS_00038057	188.70664	0 down	#NAME?	2.95E-34	7.66E-34
TCONS_00028350	188.29534	0 down	#NAME?	4.39E-34	1.13E-33
TCONS_00067856	188.01625	0 down	#NAME?	4.39E-34	1.13E-33
TCONS_00032597	187.80803	0 down	#NAME?	4.39E-34	1.13E-33
TCONS_00086808	187.77666	0 down	#NAME?	4.39E-34	1.13E-33
TCONS_00042648	187.04459	0 down	#NAME?	6.53E-34	1.68E-33
TCONS_00007602	186.91795	0 down	#NAME?	6.53E-34	1.68E-33
TCONS_00018267	186.70635	0 down	#NAME?	6.53E-34	1.68E-33
TCONS_00091656	186.32241	0 down	#NAME?	9.71E-34	2.47E-33
TCONS_00017083	186.28114	0 down	#NAME?	9.71E-34	2.47E-33
TCONS_00061524	186.18263	0 down	#NAME?	9.71E-34	2.47E-33
TCONS_00019440	185.7831	0 down	#NAME?	9.71E-34	2.47E-33
TCONS_00001199	185.48688	0 down	#NAME?	1.44E-33	3.64E-33
TCONS_00058449	185.16285	0 down	#NAME?	1.44E-33	3.64E-33
TCONS_00027706	184.76356	0 down	#NAME?	1.44E-33	3.64E-33

TCONS_00059246	184.65881	0 down	#NAME?	1.44E-33	3.64E-33
TCONS_00079578	184.65881	0 down	#NAME?	1.44E-33	3.64E-33
TCONS_00019190	184.2976	0 down	#NAME?	2.15E-33	5.40E-33
TCONS_00019504	184.02399	0 down	#NAME?	2.15E-33	5.40E-33
TCONS_00099228	183.83811	0 down	#NAME?	2.15E-33	5.40E-33
TCONS_00084962	183.78597	0 down	#NAME?	2.15E-33	5.40E-33
TCONS_00051056	183.42145	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00086677	183.22735	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00013484	183.02466	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00100565	183.02466	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00084453	182.84878	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00006681	182.81281	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00047166	182.81281	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00088684	182.81281	0 down	#NAME?	3.19E-33	7.90E-33
TCONS_00058186	182.11553	0 down	#NAME?	4.75E-33	1.17E-32
TCONS_00041522	181.98933	0 down	#NAME?	4.75E-33	1.17E-32
TCONS_00057580	181.74971	0 down	#NAME?	4.75E-33	1.17E-32
TCONS_00099307	181.49879	0 down	#NAME?	7.06E-33	1.73E-32
TCONS_00064116	181.41919	0 down	#NAME?	7.06E-33	1.73E-32
TCONS_00031665	181.17323	0 down	#NAME?	7.06E-33	1.73E-32
TCONS_00044465	180.87828	0 down	#NAME?	7.06E-33	1.73E-32
TCONS_00002980	180.62696	0 down	#NAME?	7.06E-33	1.73E-32
TCONS_00076465	180.62696	0 down	#NAME?	7.06E-33	1.73E-32
TCONS_00006280	180.36442	0 down	#NAME?	1.05E-32	2.55E-32
TCONS_00049823	180.36442	0 down	#NAME?	1.05E-32	2.55E-32
TCONS_00002570	180.0899	0 down	#NAME?	1.05E-32	2.55E-32
TCONS_00059524	179.5628	0 down	#NAME?	1.05E-32	2.55E-32
TCONS_00063775	179.5628	0 down	#NAME?	1.05E-32	2.55E-32
TCONS_00078512	179.41011	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00050822	179.34541	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00085403	179.34541	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00086758	179.34541	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00023439	179.06309	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00039159	179.06309	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00067504	179.06309	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00086118	179.06309	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00092189	179.06309	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00009101	178.87381	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00025622	178.87381	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00049010	178.87381	0 down	#NAME?	1.56E-32	3.77E-32
TCONS_00061503	178.29127	0 down	#NAME?	2.32E-32	5.58E-32
TCONS_00009547	177.8	0 down	#NAME?	2.32E-32	5.58E-32
TCONS_00002319	177.52607	0 down	#NAME?	2.32E-32	5.58E-32
TCONS_00025444	177.20013	0 down	#NAME?	3.45E-32	8.22E-32
TCONS_00098338	177.20013	0 down	#NAME?	3.45E-32	8.22E-32
TCONS_00002684	176.85958	0 down	#NAME?	3.45E-32	8.22E-32
TCONS_00027685	176.85958	0 down	#NAME?	3.45E-32	8.22E-32
TCONS_00061782	176.07003	0 down	#NAME?	5.13E-32	1.22E-31
TCONS_00091303	175.69746	0 down	#NAME?	5.13E-32	1.22E-31

TCONS_00057130	175.65926	0 down	#NAME?	5.13E-32	1.22E-31
TCONS_00054376	175.32962	0 down	#NAME?	7.63E-32	1.80E-31
TCONS_00016585	175.2875	0 down	#NAME?	7.63E-32	1.80E-31
TCONS_00093500	175.2875	0 down	#NAME?	7.63E-32	1.80E-31
TCONS_00037291	174.89883	0 down	#NAME?	7.63E-32	1.80E-31
TCONS_00075876	174.17909	0 down	#NAME?	1.14E-31	2.66E-31
TCONS_00009504	174.14496	0 down	#NAME?	1.14E-31	2.66E-31
TCONS_00004346	173.79653	0 down	#NAME?	1.14E-31	2.66E-31
TCONS_00045120	173.74312	0 down	#NAME?	1.14E-31	2.66E-31
TCONS_00047228	173.24103	0 down	#NAME?	1.69E-31	3.93E-31
TCONS_00030213	173.19666	0 down	#NAME?	1.69E-31	3.93E-31
TCONS_00086145	172.98108	0 down	#NAME?	1.69E-31	3.93E-31
TCONS_00076936	172.54594	0 down	#NAME?	1.69E-31	3.93E-31
TCONS_00080236	172.34823	0 down	#NAME?	2.51E-31	5.80E-31
TCONS_00041286	171.63309	0 down	#NAME?	2.51E-31	5.80E-31
TCONS_00072087	171.4769	0 down	#NAME?	3.73E-31	8.61E-31
TCONS_00068941	170.73458	0 down	#NAME?	3.73E-31	8.61E-31
TCONS_00024779	170.71112	0 down	#NAME?	3.73E-31	8.61E-31
TCONS_00063051	170.52636	0 down	#NAME?	3.73E-31	8.61E-31
TCONS_00054145	170.2555	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00083799	169.99865	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00010191	169.50548	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00029328	169.50548	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00037066	169.50548	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00048408	169.50548	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00053377	169.50548	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00068839	169.50548	0 down	#NAME?	5.55E-31	1.27E-30
TCONS_00038672	169.04448	0 down	#NAME?	8.26E-31	1.87E-30
TCONS_00088059	169.04448	0 down	#NAME?	8.26E-31	1.87E-30
TCONS_00044686	168.99009	0 down	#NAME?	8.26E-31	1.87E-30
TCONS_00017121	168.23229	0 down	#NAME?	1.23E-30	2.78E-30
TCONS_00085487	168.02508	0 down	#NAME?	1.23E-30	2.78E-30
TCONS_00008548	167.29454	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00009405	167.11732	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00068930	166.83154	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00070588	166.73689	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00020285	166.57032	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00045416	166.57032	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00047087	166.57032	0 down	#NAME?	1.83E-30	4.08E-30
TCONS_00075055	166.49024	0 down	#NAME?	2.72E-30	6.05E-30
TCONS_00013362	166.41218	0 down	#NAME?	2.72E-30	6.05E-30
TCONS_00076323	166.11877	0 down	#NAME?	2.72E-30	6.05E-30
TCONS_00016802	165.99911	0 down	#NAME?	2.72E-30	6.05E-30
TCONS_00042956	165.40206	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00007150	165.26784	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00042645	165.26784	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00078944	165.26784	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00059627	165.01961	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00076153	165.01961	0 down	#NAME?	4.04E-30	8.89E-30

TCONS_00068950	164.83432	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00002916	164.54298	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00041765	164.54298	0 down	#NAME?	4.04E-30	8.89E-30
TCONS_00092161	163.82445	0 down	#NAME?	6.01E-30	1.31E-29
TCONS_00014410	163.73508	0 down	#NAME?	6.01E-30	1.31E-29
TCONS_00023708	163.65015	0 down	#NAME?	6.01E-30	1.31E-29
TCONS_00032029	163.21787	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00009213	163.18686	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00039685	163.11217	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00004714	163.04129	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00062806	163.04129	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00097218	162.97391	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00074167	162.71683	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00000668	162.58201	0 down	#NAME?	8.94E-30	1.94E-29
TCONS_00073433	162.35335	0 down	#NAME?	1.33E-29	2.85E-29
TCONS_00063463	161.82229	0 down	#NAME?	1.33E-29	2.85E-29
TCONS_00007327	161.74273	0 down	#NAME?	1.33E-29	2.85E-29
TCONS_00084162	161.70603	0 down	#NAME?	1.33E-29	2.85E-29
TCONS_00092776	161.63806	0 down	#NAME?	1.33E-29	2.85E-29
TCONS_00001929	161.42961	0 down	#NAME?	1.98E-29	4.21E-29
TCONS_00078787	161.28395	0 down	#NAME?	1.98E-29	4.21E-29
TCONS_00049287	161.04938	0 down	#NAME?	1.98E-29	4.21E-29
TCONS_00094398	160.99474	0 down	#NAME?	1.98E-29	4.21E-29
TCONS_00007673	160.79409	0 down	#NAME?	1.98E-29	4.21E-29
TCONS_00064001	160.32393	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00079923	160.32393	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00087378	160.32393	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00014374	159.65869	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00048128	159.6417	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00037524	159.62383	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00009365	159.60499	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00014385	159.5641	0 down	#NAME?	2.94E-29	6.24E-29
TCONS_00088868	158.96525	0 down	#NAME?	4.38E-29	9.23E-29
TCONS_00044878	158.92981	0 down	#NAME?	4.38E-29	9.23E-29
TCONS_00076294	158.92981	0 down	#NAME?	4.38E-29	9.23E-29
TCONS_00046369	158.89247	0 down	#NAME?	4.38E-29	9.23E-29
TCONS_00027025	158.3163	0 down	#NAME?	6.51E-29	1.37E-28
TCONS_00047032	158.2418	0 down	#NAME?	6.51E-29	1.37E-28
TCONS_00034356	158.12771	0 down	#NAME?	6.51E-29	1.37E-28
TCONS_00101020	157.74638	0 down	#NAME?	6.51E-29	1.37E-28
TCONS_00078581	157.55973	0 down	#NAME?	6.51E-29	1.37E-28
TCONS_00016785	157.48634	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00061367	157.40895	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00059201	157.05201	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00102203	156.98385	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00050101	156.96987	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00001772	156.69669	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00087556	156.69669	0 down	#NAME?	9.69E-29	2.01E-28
TCONS_00007208	156.31583	0 down	#NAME?	1.44E-28	2.95E-28

TCONS_00063533	156.21306	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00085448	156.10488	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00047521	155.99085	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00076598	155.87049	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00087035	155.80776	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00094773	155.66722	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00062649	155.54832	0 down	#NAME?	1.44E-28	2.95E-28
TCONS_00053427	155.4232	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00055991	155.4232	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00039145	155.29134	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00009352	155.15219	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00068692	155.15219	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00039270	155.02397	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00066536	154.88922	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00045073	154.74745	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00007028	154.59808	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00102237	154.59808	0 down	#NAME?	2.14E-28	4.37E-28
TCONS_00015802	154.44048	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00083655	154.44048	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00032268	154.38601	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00079742	154.31178	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00039414	154.07754	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00057827	154.07754	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00061561	153.73528	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00053863	153.58763	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00077452	153.54968	0 down	#NAME?	3.19E-28	6.44E-28
TCONS_00076141	153.21279	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00045546	153.12571	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00066813	153.03648	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00091145	152.94501	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00036328	152.75499	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00040697	152.68946	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00091223	152.55493	0 down	#NAME?	4.75E-28	9.51E-28
TCONS_00086657	152.34401	0 down	#NAME?	7.06E-28	1.40E-27
TCONS_00047236	152.12131	0 down	#NAME?	7.06E-28	1.40E-27
TCONS_00082683	151.88583	0 down	#NAME?	7.06E-28	1.40E-27
TCONS_00053014	151.76836	0 down	#NAME?	7.06E-28	1.40E-27
TCONS_00020533	151.67575	0 down	#NAME?	7.06E-28	1.40E-27
TCONS_00010043	151.45495	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00062013	151.45495	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00102134	151.45495	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00073820	151.41705	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00006504	151.22257	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00006929	150.97769	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00057245	150.97769	0 down	#NAME?	1.05E-27	2.07E-27
TCONS_00045259	150.44615	0 down	#NAME?	1.56E-27	3.07E-27
TCONS_00076343	149.91329	0 down	#NAME?	1.56E-27	3.07E-27
TCONS_00035942	149.63567	0 down	#NAME?	1.56E-27	3.07E-27
TCONS_00054382	149.54585	0 down	#NAME?	1.56E-27	3.07E-27

TCONS_00000666	149.34284	0 down	#NAME?	2.33E-27	4.54E-27
TCONS_00095984	149.13854	0 down	#NAME?	2.33E-27	4.54E-27
TCONS_00091201	148.97356	0 down	#NAME?	2.33E-27	4.54E-27
TCONS_00042517	148.92014	0 down	#NAME?	2.33E-27	4.54E-27
TCONS_00023796	148.87222	0 down	#NAME?	2.33E-27	4.54E-27
TCONS_00072336	148.70626	0 down	#NAME?	2.33E-27	4.54E-27
TCONS_00019937	147.74951	0 down	#NAME?	3.46E-27	6.68E-27
TCONS_00068284	147.68429	0 down	#NAME?	3.46E-27	6.68E-27
TCONS_00049492	147.66678	0 down	#NAME?	3.46E-27	6.68E-27
TCONS_00039890	147.45121	0 down	#NAME?	5.15E-27	9.91E-27
TCONS_00080701	147.16301	0 down	#NAME?	5.15E-27	9.91E-27
TCONS_00080054	147.02195	0 down	#NAME?	5.15E-27	9.91E-27
TCONS_00045485	147.00799	0 down	#NAME?	5.15E-27	9.91E-27
TCONS_00056517	146.38272	0 down	#NAME?	7.66E-27	1.46E-26
TCONS_00040932	146.11801	0 down	#NAME?	7.66E-27	1.46E-26
TCONS_00095856	145.66574	0 down	#NAME?	7.66E-27	1.46E-26
TCONS_00059101	145.3819	0 down	#NAME?	1.14E-26	2.17E-26
TCONS_00042403	145.19903	0 down	#NAME?	1.14E-26	2.17E-26
TCONS_00093146	144.9504	0 down	#NAME?	1.14E-26	2.17E-26
TCONS_00058834	144.49796	0 down	#NAME?	1.70E-26	3.20E-26
TCONS_00087664	144.29154	0 down	#NAME?	1.70E-26	3.20E-26
TCONS_00003127	144.07966	0 down	#NAME?	1.70E-26	3.20E-26
TCONS_00023747	143.84203	0 down	#NAME?	1.70E-26	3.20E-26
TCONS_00059729	143.84203	0 down	#NAME?	1.70E-26	3.20E-26
TCONS_00041396	143.63864	0 down	#NAME?	1.70E-26	3.20E-26
TCONS_00058705	143.09905	0 down	#NAME?	2.52E-26	4.71E-26
TCONS_00074446	142.99161	0 down	#NAME?	2.52E-26	4.71E-26
TCONS_00066089	142.82132	0 down	#NAME?	2.52E-26	4.71E-26
TCONS_00044715	142.66113	0 down	#NAME?	2.52E-26	4.71E-26
TCONS_00040516	142.51016	0 down	#NAME?	2.52E-26	4.71E-26
TCONS_00079998	142.05918	0 down	#NAME?	3.76E-26	7.00E-26
TCONS_00077599	141.7149	0 down	#NAME?	3.76E-26	7.00E-26
TCONS_00009885	141.46229	0 down	#NAME?	5.59E-26	1.03E-25
TCONS_00033671	141.46229	0 down	#NAME?	5.59E-26	1.03E-25
TCONS_00055993	141.46229	0 down	#NAME?	5.59E-26	1.03E-25
TCONS_00087359	140.66156	0 down	#NAME?	5.59E-26	1.03E-25
TCONS_00038887	140.55797	0 down	#NAME?	5.59E-26	1.03E-25
TCONS_00005443	140.28344	0 down	#NAME?	8.32E-26	1.53E-25
TCONS_00088842	139.81738	0 down	#NAME?	8.32E-26	1.53E-25
TCONS_00018428	139.76958	0 down	#NAME?	8.32E-26	1.53E-25
TCONS_00021967	139.76958	0 down	#NAME?	8.32E-26	1.53E-25
TCONS_00071906	139.76958	0 down	#NAME?	8.32E-26	1.53E-25
TCONS_00063270	139.12407	0 down	#NAME?	1.24E-25	2.27E-25
TCONS_00093067	139.12407	0 down	#NAME?	1.24E-25	2.27E-25
TCONS_00048835	139.07618	0 down	#NAME?	1.24E-25	2.27E-25
TCONS_00025145	138.62069	0 down	#NAME?	1.24E-25	2.27E-25
TCONS_00037485	138.58509	0 down	#NAME?	1.24E-25	2.27E-25
TCONS_00028898	138.51988	0 down	#NAME?	1.24E-25	2.27E-25
TCONS_00008030	138.17974	0 down	#NAME?	1.84E-25	3.33E-25

TCONS_00086748	138.03675	0 down	#NAME?	1.84E-25	3.33E-25
TCONS_00084461	138.00035	0 down	#NAME?	1.84E-25	3.33E-25
TCONS_00045337	137.98371	0 down	#NAME?	1.84E-25	3.33E-25
TCONS_00003529	137.42051	0 down	#NAME?	2.74E-25	4.95E-25
TCONS_00007677	137.42051	0 down	#NAME?	2.74E-25	4.95E-25
TCONS_00017902	137.42051	0 down	#NAME?	2.74E-25	4.95E-25
TCONS_00034851	137.42051	0 down	#NAME?	2.74E-25	4.95E-25
TCONS_00094675	137.42051	0 down	#NAME?	2.74E-25	4.95E-25
TCONS_00033668	136.80975	0 down	#NAME?	2.74E-25	4.95E-25
TCONS_00013488	136.33846	0 down	#NAME?	4.08E-25	7.29E-25
TCONS_00011726	136.2044	0 down	#NAME?	4.08E-25	7.29E-25
TCONS_00048719	136.2044	0 down	#NAME?	4.08E-25	7.29E-25
TCONS_00069865	135.70988	0 down	#NAME?	4.08E-25	7.29E-25
TCONS_00062239	135.60438	0 down	#NAME?	4.08E-25	7.29E-25
TCONS_00065206	135.60438	0 down	#NAME?	4.08E-25	7.29E-25
TCONS_00060146	135.34885	0 down	#NAME?	6.07E-25	1.07E-24
TCONS_00032442	135.1491	0 down	#NAME?	6.07E-25	1.07E-24
TCONS_00022987	134.59293	0 down	#NAME?	6.07E-25	1.07E-24
TCONS_00066369	134.34966	0 down	#NAME?	9.04E-25	1.59E-24
TCONS_00019945	134.32546	0 down	#NAME?	9.04E-25	1.59E-24
TCONS_00036489	134.32546	0 down	#NAME?	9.04E-25	1.59E-24
TCONS_00078670	133.94151	0 down	#NAME?	9.04E-25	1.59E-24
TCONS_00056590	133.83563	0 down	#NAME?	9.04E-25	1.59E-24
TCONS_00067968	133.83563	0 down	#NAME?	9.04E-25	1.59E-24
TCONS_00069132	133.37873	0 down	#NAME?	1.35E-24	2.35E-24
TCONS_00075118	133.25625	0 down	#NAME?	1.35E-24	2.35E-24
TCONS_00102270	133.12612	0 down	#NAME?	1.35E-24	2.35E-24
TCONS_00046132	132.95155	0 down	#NAME?	1.35E-24	2.35E-24
TCONS_00022960	132.26724	0 down	#NAME?	2.00E-24	3.48E-24
TCONS_00090480	131.34973	0 down	#NAME?	2.98E-24	5.17E-24
TCONS_00039268	131.17413	0 down	#NAME?	2.98E-24	5.17E-24
TCONS_00022644	130.98806	0 down	#NAME?	2.98E-24	5.17E-24
TCONS_00098933	130.98806	0 down	#NAME?	2.98E-24	5.17E-24
TCONS_00049670	130.79058	0 down	#NAME?	2.98E-24	5.17E-24
TCONS_00045085	130.09893	0 down	#NAME?	4.44E-24	7.63E-24
TCONS_00092753	130.0587	0 down	#NAME?	4.44E-24	7.63E-24
TCONS_00013367	129.33695	0 down	#NAME?	6.60E-24	1.13E-23
TCONS_00021965	128.79579	0 down	#NAME?	6.60E-24	1.13E-23
TCONS_00057229	128.68811	0 down	#NAME?	6.60E-24	1.13E-23
TCONS_00035647	128.44944	0 down	#NAME?	9.83E-24	1.67E-23
TCONS_00028550	127.98391	0 down	#NAME?	9.83E-24	1.67E-23
TCONS_00091666	127.98391	0 down	#NAME?	9.83E-24	1.67E-23
TCONS_00068877	127.96497	0 down	#NAME?	9.83E-24	1.67E-23
TCONS_00018540	127.72695	0 down	#NAME?	9.83E-24	1.67E-23
TCONS_00098246	127.43697	0 down	#NAME?	1.46E-23	2.45E-23
TCONS_00039800	127.2248	0 down	#NAME?	1.46E-23	2.45E-23
TCONS_00009950	127.19915	0 down	#NAME?	1.46E-23	2.45E-23
TCONS_00050386	127.19915	0 down	#NAME?	1.46E-23	2.45E-23
TCONS_00010079	127.12911	0 down	#NAME?	1.46E-23	2.45E-23

TCONS_00036657	126. 80165	0 down	#NAME?	1. 46E-23	2. 45E-23
TCONS_00063387	126. 69501	0 down	#NAME?	1. 46E-23	2. 45E-23
TCONS_00041664	126. 6757	0 down	#NAME?	1. 46E-23	2. 45E-23
TCONS_00014201	126. 57152	0 down	#NAME?	1. 46E-23	2. 45E-23
TCONS_00063553	126. 57152	0 down	#NAME?	1. 46E-23	2. 45E-23
TCONS_00007894	126. 357	0 down	#NAME?	2. 18E-23	3. 63E-23
TCONS_00047042	126. 357	0 down	#NAME?	2. 18E-23	3. 63E-23
TCONS_00051842	126. 21246	0 down	#NAME?	2. 18E-23	3. 63E-23
TCONS_00058591	126. 21246	0 down	#NAME?	2. 18E-23	3. 63E-23
TCONS_00079124	124. 77093	0 down	#NAME?	3. 24E-23	5. 36E-23
TCONS_00098210	124. 69639	0 down	#NAME?	3. 24E-23	5. 36E-23
TCONS_00017343	124. 12175	0 down	#NAME?	4. 83E-23	7. 91E-23
TCONS_00010937	123. 73548	0 down	#NAME?	4. 83E-23	7. 91E-23
TCONS_00015515	123. 73548	0 down	#NAME?	4. 83E-23	7. 91E-23
TCONS_00084004	123. 22418	0 down	#NAME?	7. 19E-23	1. 18E-22
TCONS_00097701	123. 22418	0 down	#NAME?	7. 19E-23	1. 18E-22
TCONS_00031985	123. 0393	0 down	#NAME?	7. 19E-23	1. 18E-22
TCONS_00052895	122. 89147	0 down	#NAME?	7. 19E-23	1. 18E-22
TCONS_00062917	122. 28096	0 down	#NAME?	1. 07E-22	1. 74E-22
TCONS_00037427	121. 65095	0 down	#NAME?	1. 07E-22	1. 74E-22
TCONS_00010163	121. 28854	0 down	#NAME?	1. 59E-22	2. 58E-22
TCONS_00046229	121. 25339	0 down	#NAME?	1. 59E-22	2. 58E-22
TCONS_00009748	121. 22053	0 down	#NAME?	1. 59E-22	2. 58E-22
TCONS_00068567	120. 76348	0 down	#NAME?	1. 59E-22	2. 58E-22
TCONS_00049944	120. 74606	0 down	#NAME?	1. 59E-22	2. 58E-22
TCONS_00094349	120. 72976	0 down	#NAME?	1. 59E-22	2. 58E-22
TCONS_00047512	120. 24295	0 down	#NAME?	2. 37E-22	3. 81E-22
TCONS_00049158	120. 24295	0 down	#NAME?	2. 37E-22	3. 81E-22
TCONS_00053428	120. 24295	0 down	#NAME?	2. 37E-22	3. 81E-22
TCONS_00058171	120. 24295	0 down	#NAME?	2. 37E-22	3. 81E-22
TCONS_00069733	119. 24921	0 down	#NAME?	3. 53E-22	5. 62E-22
TCONS_00065722	119. 21523	0 down	#NAME?	3. 53E-22	5. 62E-22
TCONS_00086766	119. 21523	0 down	#NAME?	3. 53E-22	5. 62E-22
TCONS_00091469	118. 75847	0 down	#NAME?	3. 53E-22	5. 62E-22
TCONS_00009716	118. 59578	0 down	#NAME?	3. 53E-22	5. 62E-22
TCONS_00065772	118. 39306	0 down	#NAME?	5. 26E-22	8. 35E-22
TCONS_00062893	118. 0725	0 down	#NAME?	5. 26E-22	8. 35E-22
TCONS_00046120	118. 05671	0 down	#NAME?	5. 26E-22	8. 35E-22
TCONS_00002139	117. 78901	0 down	#NAME?	5. 26E-22	8. 35E-22
TCONS_00075511	117. 70618	0 down	#NAME?	5. 26E-22	8. 35E-22
TCONS_00074114	117. 10618	0 down	#NAME?	7. 84E-22	1. 23E-21
TCONS_00005790	116. 99314	0 down	#NAME?	7. 84E-22	1. 23E-21
TCONS_00022003	116. 74073	0 down	#NAME?	7. 84E-22	1. 23E-21
TCONS_00086949	116. 43121	0 down	#NAME?	1. 17E-21	1. 82E-21
TCONS_00083651	116. 36414	0 down	#NAME?	1. 17E-21	1. 82E-21
TCONS_00042604	116. 32806	0 down	#NAME?	1. 17E-21	1. 82E-21
TCONS_00101098	115. 75255	0 down	#NAME?	1. 17E-21	1. 82E-21
TCONS_00048338	115. 59837	0 down	#NAME?	1. 17E-21	1. 82E-21
TCONS_00101512	115. 59837	0 down	#NAME?	1. 17E-21	1. 82E-21

TCONS_00074676	115.43323	0 down	#NAME?	1.74E-21	2.68E-21
TCONS_00022612	115.27423	0 down	#NAME?	1.74E-21	2.68E-21
TCONS_00049649	115.27423	0 down	#NAME?	1.74E-21	2.68E-21
TCONS_00014741	114.92246	0 down	#NAME?	1.74E-21	2.68E-21
TCONS_00032620	114.79985	0 down	#NAME?	1.74E-21	2.68E-21
TCONS_00008647	114.32936	0 down	#NAME?	2.59E-21	3.97E-21
TCONS_00095468	113.72732	0 down	#NAME?	2.59E-21	3.97E-21
TCONS_00002438	113.48773	0 down	#NAME?	3.85E-21	5.91E-21
TCONS_00007454	113.39985	0 down	#NAME?	3.85E-21	5.91E-21
TCONS_00001179	112.69632	0 down	#NAME?	3.85E-21	5.91E-21
TCONS_00010975	111.79344	0 down	#NAME?	5.74E-21	8.72E-21
TCONS_00053399	111.76108	0 down	#NAME?	5.74E-21	8.72E-21
TCONS_00083803	111.29926	0 down	#NAME?	8.55E-21	1.29E-20
TCONS_00053156	111.22473	0 down	#NAME?	8.55E-21	1.29E-20
TCONS_00071942	110.99349	0 down	#NAME?	8.55E-21	1.29E-20
TCONS_00008175	110.84124	0 down	#NAME?	8.55E-21	1.29E-20
TCONS_00028576	110.84124	0 down	#NAME?	8.55E-21	1.29E-20
TCONS_00048756	110.38697	0 down	#NAME?	1.27E-20	1.92E-20
TCONS_00045599	110.31463	0 down	#NAME?	1.27E-20	1.92E-20
TCONS_00087085	109.7177	0 down	#NAME?	1.27E-20	1.92E-20
TCONS_00056305	109.58851	0 down	#NAME?	1.27E-20	1.92E-20
TCONS_00030164	109.12805	0 down	#NAME?	1.90E-20	2.84E-20
TCONS_00048046	107.84121	0 down	#NAME?	2.83E-20	4.22E-20
TCONS_00048200	107.80402	0 down	#NAME?	2.83E-20	4.22E-20
TCONS_00060652	107.34134	0 down	#NAME?	4.21E-20	6.22E-20
TCONS_00041655	107.32428	0 down	#NAME?	4.21E-20	6.22E-20
TCONS_00077836	106.88262	0 down	#NAME?	4.21E-20	6.22E-20
TCONS_00091925	106.88262	0 down	#NAME?	4.21E-20	6.22E-20
TCONS_00049526	105.97684	0 down	#NAME?	6.27E-20	9.17E-20
TCONS_00002371	105.47627	0 down	#NAME?	9.34E-20	1.36E-19
TCONS_00045170	105.41848	0 down	#NAME?	9.34E-20	1.36E-19
TCONS_00058988	104.89872	0 down	#NAME?	9.34E-20	1.36E-19
TCONS_00076322	104.72773	0 down	#NAME?	9.34E-20	1.36E-19
TCONS_00050184	104.55909	0 down	#NAME?	9.34E-20	1.36E-19
TCONS_00042701	104.46446	0 down	#NAME?	1.39E-19	2.01E-19
TCONS_00083679	103.476	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00053321	103.43479	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00068429	103.21283	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00093965	103.15749	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00035704	103.06538	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00000672	102.9997	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00067354	102.92401	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00018567	102.90559	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00049604	102.90559	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00071333	102.90559	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00010532	102.60732	0 down	#NAME?	2.07E-19	2.97E-19
TCONS_00078209	102.47509	0 down	#NAME?	3.09E-19	4.42E-19
TCONS_00093810	102.06298	0 down	#NAME?	3.09E-19	4.42E-19
TCONS_00044489	101.66883	0 down	#NAME?	3.09E-19	4.42E-19

TCONS_00002282	101.50004	0 down	#NAME?	3.09E-19	4.42E-19
TCONS_00037144	101.48946	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00024946	101.0856	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00008713	100.87798	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00030214	100.84892	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00057178	100.84892	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00085277	100.81505	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00071344	100.56683	0 down	#NAME?	4.61E-19	6.53E-19
TCONS_00060527	100.20246	0 down	#NAME?	6.86E-19	9.71E-19
TCONS_00007998	100.11178	0 down	#NAME?	6.86E-19	9.71E-19
TCONS_00071624	99.942191	0 down	#NAME?	6.86E-19	9.71E-19
TCONS_00092597	99.660822	0 down	#NAME?	6.86E-19	9.71E-19
TCONS_00038840	98.781493	0 down	#NAME?	1.02E-18	1.44E-18
TCONS_00094537	98.34567	0 down	#NAME?	1.52E-18	2.13E-18
TCONS_00097829	98.157509	0 down	#NAME?	1.52E-18	2.13E-18
TCONS_00060658	97.824772	0 down	#NAME?	1.52E-18	2.13E-18
TCONS_00008104	97.412009	0 down	#NAME?	2.27E-18	3.16E-18
TCONS_00045249	97.362711	0 down	#NAME?	2.27E-18	3.16E-18
TCONS_00055821	97.362711	0 down	#NAME?	2.27E-18	3.16E-18
TCONS_00072156	97.362711	0 down	#NAME?	2.27E-18	3.16E-18
TCONS_00090659	96.614421	0 down	#NAME?	2.27E-18	3.16E-18
TCONS_00033954	96.596846	0 down	#NAME?	2.27E-18	3.16E-18
TCONS_00046216	96.478118	0 down	#NAME?	3.39E-18	4.64E-18
TCONS_00053013	96.441645	0 down	#NAME?	3.39E-18	4.64E-18
TCONS_00059133	96.194359	0 down	#NAME?	3.39E-18	4.64E-18
TCONS_00032436	95.863794	0 down	#NAME?	3.39E-18	4.64E-18
TCONS_00041698	95.811114	0 down	#NAME?	3.39E-18	4.64E-18
TCONS_00021443	94.617402	0 down	#NAME?	5.05E-18	6.86E-18
TCONS_00020439	94.44537	0 down	#NAME?	7.52E-18	1.02E-17
TCONS_00015939	93.848155	0 down	#NAME?	7.52E-18	1.02E-17
TCONS_00100215	93.848155	0 down	#NAME?	7.52E-18	1.02E-17
TCONS_00007759	93.468203	0 down	#NAME?	1.12E-17	1.51E-17
TCONS_00078890	93.228013	0 down	#NAME?	1.12E-17	1.51E-17
TCONS_00004251	93.091315	0 down	#NAME?	1.12E-17	1.51E-17
TCONS_00084336	92.758846	0 down	#NAME?	1.12E-17	1.51E-17
TCONS_00091387	92.413794	0 down	#NAME?	1.67E-17	2.25E-17
TCONS_00073294	92.011995	0 down	#NAME?	1.67E-17	2.25E-17
TCONS_00035880	91.803745	0 down	#NAME?	1.67E-17	2.25E-17
TCONS_00076747	91.803745	0 down	#NAME?	1.67E-17	2.25E-17
TCONS_00038950	91.613675	0 down	#NAME?	1.67E-17	2.25E-17
TCONS_00058551	91.516832	0 down	#NAME?	1.67E-17	2.25E-17
TCONS_00056463	91.439505	0 down	#NAME?	2.49E-17	3.34E-17
TCONS_00077459	91.279319	0 down	#NAME?	2.49E-17	3.34E-17
TCONS_00066889	90.827292	0 down	#NAME?	2.49E-17	3.34E-17
TCONS_00028572	90.439141	0 down	#NAME?	3.72E-17	4.95E-17
TCONS_00061827	90.439141	0 down	#NAME?	3.72E-17	4.95E-17
TCONS_00062698	89.937815	0 down	#NAME?	3.72E-17	4.95E-17
TCONS_00035292	89.781402	0 down	#NAME?	3.72E-17	4.95E-17
TCONS_00083360	89.781402	0 down	#NAME?	3.72E-17	4.95E-17

TCONS_00070267	89.483124	0 down	#NAME?	5.54E-17	7.37E-17
TCONS_00049356	88.833841	0 down	#NAME?	5.54E-17	7.37E-17
TCONS_00051007	88.547109	0 down	#NAME?	5.54E-17	7.37E-17
TCONS_00079401	88.547109	0 down	#NAME?	5.54E-17	7.37E-17
TCONS_00032618	88.178162	0 down	#NAME?	8.26E-17	1.09E-16
TCONS_00037070	88.081582	0 down	#NAME?	8.26E-17	1.09E-16
TCONS_00101034	87.965343	0 down	#NAME?	8.26E-17	1.09E-16
TCONS_00068089	87.869847	0 down	#NAME?	8.26E-17	1.09E-16
TCONS_00046245	86.732619	0 down	#NAME?	1.23E-16	1.62E-16
TCONS_00049161	86.732619	0 down	#NAME?	1.23E-16	1.62E-16
TCONS_00056333	85.960916	0 down	#NAME?	1.84E-16	2.41E-16
TCONS_00072196	85.94685	0 down	#NAME?	1.84E-16	2.41E-16
TCONS_00007588	85.88782	0 down	#NAME?	1.84E-16	2.41E-16
TCONS_00028422	85.596675	0 down	#NAME?	1.84E-16	2.41E-16
TCONS_00053674	85.39447	0 down	#NAME?	2.74E-16	3.57E-16
TCONS_00041517	85.127751	0 down	#NAME?	2.74E-16	3.57E-16
TCONS_00024738	84.752739	0 down	#NAME?	2.74E-16	3.57E-16
TCONS_00042955	84.752739	0 down	#NAME?	2.74E-16	3.57E-16
TCONS_00002418	84.615408	0 down	#NAME?	2.74E-16	3.57E-16
TCONS_00097283	83.549091	0 down	#NAME?	4.09E-16	5.32E-16
TCONS_00040248	82.864054	0 down	#NAME?	6.10E-16	7.90E-16
TCONS_00080479	82.790227	0 down	#NAME?	6.10E-16	7.90E-16
TCONS_00078732	82.570265	0 down	#NAME?	6.10E-16	7.90E-16
TCONS_00024901	82.452308	0 down	#NAME?	9.09E-16	1.17E-15
TCONS_00063864	82.452308	0 down	#NAME?	9.09E-16	1.17E-15
TCONS_00057228	82.117136	0 down	#NAME?	9.09E-16	1.17E-15
TCONS_00070865	82.117136	0 down	#NAME?	9.09E-16	1.17E-15
TCONS_00054009	81.593429	0 down	#NAME?	9.09E-16	1.17E-15
TCONS_00026497	81.254091	0 down	#NAME?	1.36E-15	1.74E-15
TCONS_00002983	81.230792	0 down	#NAME?	1.36E-15	1.74E-15
TCONS_00050385	81.230792	0 down	#NAME?	1.36E-15	1.74E-15
TCONS_00011329	81.176674	0 down	#NAME?	1.36E-15	1.74E-15
TCONS_00018207	80.803261	0 down	#NAME?	1.36E-15	1.74E-15
TCONS_00056306	80.755758	0 down	#NAME?	1.36E-15	1.74E-15
TCONS_00089847	79.811913	0 down	#NAME?	2.02E-15	2.59E-15
TCONS_00086371	77.890169	0 down	#NAME?	4.51E-15	5.74E-15
TCONS_00086190	77.529782	0 down	#NAME?	4.51E-15	5.74E-15
TCONS_00038815	77.264545	0 down	#NAME?	6.72E-15	8.51E-15
TCONS_00083262	76.793816	0 down	#NAME?	6.72E-15	8.51E-15
TCONS_00003363	76.433502	0 down	#NAME?	1.00E-14	1.27E-14
TCONS_00041851	76.153867	0 down	#NAME?	1.00E-14	1.27E-14
TCONS_00073432	75.837876	0 down	#NAME?	1.00E-14	1.27E-14
TCONS_00063119	75.658484	0 down	#NAME?	1.00E-14	1.27E-14
TCONS_00077518	74.912421	0 down	#NAME?	1.50E-14	1.88E-14
TCONS_00085413	74.353128	0 down	#NAME?	2.24E-14	2.80E-14
TCONS_00087794	73.697291	0 down	#NAME?	2.24E-14	2.80E-14
TCONS_00017439	73.680785	0 down	#NAME?	2.24E-14	2.80E-14
TCONS_00039965	73.368579	0 down	#NAME?	3.34E-14	4.17E-14
TCONS_00037068	73.29094	0 down	#NAME?	3.34E-14	4.17E-14

TCONS_00004609	71.549523	0 down	#NAME?	4.98E-14	6.20E-14
TCONS_00034863	71.410659	0 down	#NAME?	7.44E-14	9.23E-14
TCONS_00039876	71.410659	0 down	#NAME?	7.44E-14	9.23E-14
TCONS_00097292	71.255081	0 down	#NAME?	7.44E-14	9.23E-14
TCONS_00048948	71.100178	0 down	#NAME?	7.44E-14	9.23E-14
TCONS_00097041	70.926716	0 down	#NAME?	7.44E-14	9.23E-14
TCONS_00075225	70.840807	0 down	#NAME?	7.44E-14	9.23E-14
TCONS_00035646	70.386116	0 down	#NAME?	1.11E-13	1.37E-13
TCONS_00101809	70.101152	0 down	#NAME?	1.11E-13	1.37E-13
TCONS_00077550	69.587408	0 down	#NAME?	1.11E-13	1.37E-13
TCONS_00015187	69.259938	0 down	#NAME?	1.66E-13	2.04E-13
TCONS_00090109	68.422766	0 down	#NAME?	2.48E-13	3.04E-13
TCONS_00010705	67.802191	0 down	#NAME?	2.48E-13	3.04E-13
TCONS_00083159	67.802191	0 down	#NAME?	2.48E-13	3.04E-13
TCONS_00005344	67.210032	0 down	#NAME?	3.70E-13	4.52E-13
TCONS_00067148	67.02066	0 down	#NAME?	3.70E-13	4.52E-13
TCONS_00074694	66.873084	0 down	#NAME?	3.70E-13	4.52E-13
TCONS_00040424	66.801638	0 down	#NAME?	3.70E-13	4.52E-13
TCONS_00048033	66.628127	0 down	#NAME?	3.70E-13	4.52E-13
TCONS_00010429	66.340937	0 down	#NAME?	5.52E-13	6.73E-13
TCONS_00073961	66.056212	0 down	#NAME?	5.52E-13	6.73E-13
TCONS_00039992	65.939681	0 down	#NAME?	5.52E-13	6.73E-13
TCONS_00093463	65.773921	0 down	#NAME?	5.52E-13	6.73E-13
TCONS_00003961	65.412164	0 down	#NAME?	8.25E-13	1.00E-12
TCONS_00022732	65.290289	0 down	#NAME?	8.25E-13	1.00E-12
TCONS_00026885	65.264609	0 down	#NAME?	8.25E-13	1.00E-12
TCONS_00069015	64.571084	0 down	#NAME?	8.25E-13	1.00E-12
TCONS_00057943	64.539346	0 down	#NAME?	8.25E-13	1.00E-12
TCONS_00000697	64.282626	0 down	#NAME?	1.23E-12	1.49E-12
TCONS_00083310	64.129573	0 down	#NAME?	1.23E-12	1.49E-12
TCONS_00048466	63.879066	0 down	#NAME?	1.23E-12	1.49E-12
TCONS_00057836	62.565437	0 down	#NAME?	1.84E-12	2.23E-12
TCONS_00100081	62.194629	0 down	#NAME?	2.75E-12	3.32E-12
TCONS_00024565	61.776194	0 down	#NAME?	2.75E-12	3.32E-12
TCONS_00058733	61.634829	0 down	#NAME?	2.75E-12	3.32E-12
TCONS_00006707	61.538479	0 down	#NAME?	2.75E-12	3.32E-12
TCONS_00050351	61.075783	0 down	#NAME?	4.11E-12	4.94E-12
TCONS_00091282	60.121474	0 down	#NAME?	6.15E-12	7.37E-12
TCONS_00097100	60.121474	0 down	#NAME?	6.15E-12	7.37E-12
TCONS_00008558	59.943072	0 down	#NAME?	6.15E-12	7.37E-12
TCONS_00059984	59.624603	0 down	#NAME?	6.15E-12	7.37E-12
TCONS_00046055	59.326917	0 down	#NAME?	9.19E-12	1.10E-11
TCONS_00077329	59.135876	0 down	#NAME?	9.19E-12	1.10E-11
TCONS_00004645	58.894505	0 down	#NAME?	9.19E-12	1.10E-11
TCONS_00016550	58.417627	0 down	#NAME?	1.37E-11	1.64E-11
TCONS_00005825	57.486669	0 down	#NAME?	2.06E-11	2.44E-11
TCONS_00083710	57.06445	0 down	#NAME?	2.06E-11	2.44E-11
TCONS_00024941	56.584917	0 down	#NAME?	2.06E-11	2.44E-11
TCONS_00076376	56.33003	0 down	#NAME?	3.07E-11	3.64E-11

TCONS_00075082	54.523118	0 down	#NAME?	4.60E-11	5.43E-11
TCONS_00086298	53.654224	0 down	#NAME?	6.88E-11	8.10E-11
TCONS_00063340	53.300304	0 down	#NAME?	1.03E-10	1.21E-10
TCONS_00013827	53.195037	0 down	#NAME?	1.03E-10	1.21E-10
TCONS_00095628	53.130605	0 down	#NAME?	1.03E-10	1.21E-10
TCONS_00066286	52.709238	0 down	#NAME?	1.03E-10	1.21E-10
TCONS_00020530	52.125022	0 down	#NAME?	1.54E-10	1.80E-10
TCONS_00010556	51.889073	0 down	#NAME?	1.54E-10	1.80E-10
TCONS_00087473	51.462003	0 down	#NAME?	2.31E-10	2.68E-10
TCONS_00093904	51.251093	0 down	#NAME?	2.31E-10	2.68E-10
TCONS_00022002	50.963899	0 down	#NAME?	2.31E-10	2.68E-10
TCONS_00059477	50.872017	0 down	#NAME?	2.31E-10	2.68E-10
TCONS_00067728	50.851643	0 down	#NAME?	2.31E-10	2.68E-10
TCONS_00002520	50.62861	0 down	#NAME?	2.31E-10	2.68E-10
TCONS_00001658	50.407524	0 down	#NAME?	3.45E-10	4.01E-10
TCONS_00065920	49.821779	0 down	#NAME?	3.45E-10	4.01E-10
TCONS_00028545	49.489059	0 down	#NAME?	5.17E-10	5.99E-10
TCONS_00039608	48.097179	0 down	#NAME?	7.74E-10	8.93E-10
TCONS_00021088	47.699682	0 down	#NAME?	7.74E-10	8.93E-10
TCONS_00006808	47.503387	0 down	#NAME?	7.74E-10	8.93E-10
TCONS_00071523	47.238301	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00099491	47.115604	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00021484	47.028353	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00080702	47.028353	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00063424	46.734101	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00017557	46.545657	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00024167	46.545657	0 down	#NAME?	1.16E-09	1.33E-09
TCONS_00095032	46.358727	0 down	#NAME?	1.74E-09	1.99E-09
TCONS_00051787	45.685975	0 down	#NAME?	1.74E-09	1.99E-09
TCONS_00034291	45.374698	0 down	#NAME?	2.60E-09	2.97E-09
TCONS_00082696	44.950635	0 down	#NAME?	2.60E-09	2.97E-09
TCONS_00088201	44.836354	0 down	#NAME?	2.60E-09	2.97E-09
TCONS_00002317	44.647171	0 down	#NAME?	2.60E-09	2.97E-09
TCONS_00077054	44.125853	0 down	#NAME?	3.90E-09	4.45E-09
TCONS_00038876	43.724709	0 down	#NAME?	3.90E-09	4.45E-09
TCONS_00017251	43.147865	0 down	#NAME?	5.85E-09	6.65E-09
TCONS_00065709	43.121609	0 down	#NAME?	5.85E-09	6.65E-09
TCONS_00038675	42.839593	0 down	#NAME?	5.85E-09	6.65E-09
TCONS_00036062	42.809008	0 down	#NAME?	5.85E-09	6.65E-09
TCONS_00080259	42.325518	0 down	#NAME?	8.77E-09	9.96E-09
TCONS_00095892	41.823634	0 down	#NAME?	8.77E-09	9.96E-09
TCONS_00017846	40.93377	0 down	#NAME?	1.32E-08	1.49E-08
TCONS_00078786	40.619499	0 down	#NAME?	1.32E-08	1.49E-08
TCONS_00046102	40.248686	0 down	#NAME?	1.97E-08	2.23E-08
TCONS_00035286	39.749735	0 down	#NAME?	1.97E-08	2.23E-08
TCONS_00084862	39.397007	0 down	#NAME?	2.96E-08	3.34E-08
TCONS_00071889	39.263004	0 down	#NAME?	2.96E-08	3.34E-08
TCONS_00047554	38.788048	0 down	#NAME?	2.96E-08	3.34E-08
TCONS_00035295	38.324446	0 down	#NAME?	4.45E-08	5.00E-08

TCONS_00037865	38.324446	0 down	#NAME?	4.45E-08	5.00E-08
TCONS_00083421	38.324446	0 down	#NAME?	4.45E-08	5.00E-08
TCONS_00004153	37.316777	0 down	#NAME?	6.68E-08	7.49E-08
TCONS_00003170	36.684289	0 down	#NAME?	6.68E-08	7.49E-08
TCONS_00024341	34.355128	0 down	#NAME?	2.27E-07	2.53E-07
TCONS_00087483	33.170469	0 down	#NAME?	3.41E-07	3.80E-07
TCONS_00020537	32.571453	0 down	#NAME?	3.41E-07	3.80E-07
TCONS_00024566	32.064786	0 down	#NAME?	5.12E-07	5.70E-07
TCONS_00010817	31.156068	0 down	#NAME?	7.71E-07	8.56E-07
TCONS_00095457	30.747055	0 down	#NAME?	7.71E-07	8.56E-07
TCONS_00098159	30.700327	0 down	#NAME?	7.71E-07	8.56E-07
TCONS_00011607	30.178622	0 down	#NAME?	1.16E-06	1.29E-06
TCONS_00051499	27.882423	0 down	#NAME?	2.64E-06	2.91E-06
TCONS_00102022	27.596742	0 down	#NAME?	2.64E-06	2.91E-06
TCONS_00074401	26.720655	0 down	#NAME?	3.98E-06	4.37E-06
TCONS_00027914	24.956084	0 down	#NAME?	9.06E-06	9.90E-06
TCONS_00013486	24.414812	0 down	#NAME?	1.37E-05	1.49E-05
TCONS_00045601	23.013004	0 down	#NAME?	2.07E-05	2.25E-05
TCONS_00080055	22.501604	0 down	#NAME?	2.07E-05	2.25E-05
TCONS_00047606	22.062926	0 down	#NAME?	3.13E-05	3.40E-05
TCONS_00034689	21.862354	0 down	#NAME?	3.13E-05	3.40E-05
TCONS_00008085	21.376524	0 down	#NAME?	4.74E-05	5.15E-05
TCONS_00001197	21.219344	0 down	#NAME?	4.74E-05	5.15E-05
TCONS_00060022	20.466885	0 down	#NAME?	7.19E-05	7.79E-05
TCONS_00034101	19.631502	0 down	#NAME?	7.19E-05	7.79E-05
TCONS_00099285	18.498915	0 down	#NAME?	0.000166	0.0001786
TCONS_00003115	12.949241	0 down	#NAME?	0.001371	0.0014584
TCONS_00029585	12.860208	0 down	#NAME?	0.001371	0.0014584
TCONS_00102236	12.769163	0 down	#NAME?	0.001371	0.0014584
TCONS_00078347	12.657152	0 down	#NAME?	0.001371	0.0014584
TCONS_00066041	11.846596	0 down	#NAME?	0.002105	0.0022332
TCONS_00042097	9.5241939	0 down	#NAME?	0.004998	0.0052739
TCONS_00063050	9.5241939	0 down	#NAME?	0.004998	0.0052739
TCONS_00047350	9.4001002	0 down	#NAME?	0.007743	0.0081183
TCONS_00102427	9.3091315	0 down	#NAME?	0.007743	0.0081183
TCONS_00005696	9.2941409	0 down	#NAME?	0.007743	0.0081183
TCONS_00037930	9.2494576	0 down	#NAME?	0.007743	0.0081183
TCONS_00065265	8.7848729	0 down	#NAME?	0.007743	0.0081183
TCONS_00039963	8.6272968	0 down	#NAME?	0.007743	0.0081183
TCONS_00021717	8.2926171	0 down	#NAME?	0.012046	0.0125246
TCONS_00055362	8.2217401	0 down	#NAME?	0.012046	0.0125246
TCONS_00057135	7.9829343	0 down	#NAME?	0.012046	0.0125246
TCONS_00071379	7.9829343	0 down	#NAME?	0.012046	0.0125246
TCONS_00079986	7.6344729	0 down	#NAME?	0.012046	0.0125246
TCONS_00040712	7.5151843	0 down	#NAME?	0.012046	0.0125246
TCONS_00077666	7.0992147	0 down	#NAME?	0.018843	0.0195539
TCONS_00015865	7.021486	0 down	#NAME?	0.018843	0.0195539
TCONS_00035395	6.9959534	0 down	#NAME?	0.018843	0.0195539
TCONS_00037931	6.895653	0 down	#NAME?	0.018843	0.0195539

TCONS_00017787	5.6254011	0 down	#NAME?	0.029675 0.0305913
TCONS_00099239	5.6254011	0 down	#NAME?	0.029675 0.0305913
TCONS_00048344	5.5443434	0 down	#NAME?	0.029675 0.0305913
TCONS_00024465	5.2185005	0 down	#NAME?	0.04715 0.0484717
TCONS_00043662	5.062861	0 down	#NAME?	0.04715 0.0484717
TCONS_00098840	4.762097	0 down	#NAME?	0.04715 0.0484717
TCONS_00090165	4.6247288	0 down	#NAME?	0.04715 0.0484717
TCONS_00074902	4.5806838	0 down	#NAME?	0.04715 0.0484717

Table S4 Differential expressed lncRNAs for heatmap.

Transcript_id	K1_fpkm	K2_fpkm	Regulation
TCONS_00043826	187.9659884	2964.180937	up
TCONS_00073726	202.8588518	1244.042775	up
TCONS_00043824	147.9913212	1092.795071	up
TCONS_00032749	10.4181616	1092.120816	up
TCONS_00043825	120.8724927	980.1763233	up
TCONS_00055327	0	860.8756386	up
TCONS_00054751	0	845.7089079	up
TCONS_00096376	0	784.6239814	up
TCONS_00073113	0	756.2287528	up
TCONS_00098987	3519.305809	1460.143136	down
TCONS_00032817	2955.999062	1072.92607	down
TCONS_00014767	2517.16575	948.951436	down
TCONS_00102384	1980.318413	777.8374041	down
TCONS_00028528	1705.190269	540.8635519	down
TCONS_00071993	1664.446725	425.9992178	down
TCONS_00010172	2319.249103	389.2009418	down
TCONS_00032438	1778.295714	385.351225	down
TCONS_00042165	2200.838304	371.233793	down
TCONS_00021455	1645.429821	250.1402689	down
TCONS_00083478	1469.310175	207.8975989	down
TCONS_00054545	1621.129537	195.1084762	down
TCONS_00060509	2146.245995	158.8721349	down
TCONS_00102216	1476.213429	104.9083268	down
TCONS_00012765	1452.549639	82.1456152	down
TCONS_00017931	1522.062639	75.85431379	down
TCONS_00001110	1605.650199	69.91498198	down
TCONS_00007624	1706.275259	57.36982583	down
TCONS_00055883	1734.413439	0	down
TCONS_00093418	1623.279804	0	down
TCONS_00041247	1440.719163	0	down
TCONS_00069775	1432.491844	0	down
TCONS_00037294	1370.612432	0	down
TCONS_00037294	1370.612432	0	down