

Supporting Information

Simultaneous enrichment optimization of glycopeptides and phosphopeptides with the highly hydrophilic DZMOF-FDP

Xiaoyu Zhou^{1, 2, 3}, Hongyan Zhang^{1, 2}, Li Wang^{1, 2}, Liting Lv², Ren'an Wu^{1, 2, *}

¹Laboratory of High-Resolution Mass Spectrometry Technologies, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, 116023, China

²CAS Key Laboratory of Separation Science for Analytical Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, 116023, China

³University of Chinese Academy of Sciences, Beijing 100049, China

*Corresponding Author: Dr. Ren'an Wu

E-mail: wurenan@dicp.ac.cn Tel: +86-411-84379828

Author Contributions: All authors have given approval to the final version of the manuscript.

Table of contents

Experiment details

Extraction of Proteins	S-3
Sample Preparation	S-4

Supporting figures

Fig. S1 MALDI-TOF mass spectra of peptide mixtures of tryptic digests of IgG, β-casein and BSA with a molar ratio of 1:1:1000 with simultaneous enrichment by DZMOF-FDP. The red stars indicate glycopeptides. The blue bullets indicate phosphopeptides and dephosphorylated fragments.	S-5
--	-----

Fig. S2 Venn diagrams of (a) identified unique glycosylation sites and (b) identified unique phosphorylation sites. Motif analysis of (c) glycosylation sites and (d) phosphorylation sites.	S-6
---	-----

Supporting tables

Table S1 The identified glycopeptides from human IgG digests treated with DZMOF-FDP.	S-7
Table S2 N-glycopeptides enriched by DZMOF-FDP from HeLa cell proteins tryptic digest.	S-9
Table S3 Phosphopeptides enriched by DZMOF-FDP from HeLa cell proteins tryptic digest.	S-56

Experiment details

Extraction of Proteins

Human HeLa cell was cultured in RPMI 1640 medium, supplemented with 1% penicillin/streptomycin and 10% new born bovine serum at 37 °C in 5% CO₂ atmosphere. Cells were harvested when grown to around 80% density. The obtained cell pellets were scraped in an ice-cold lysis buffer, which contained 8 M urea, 50 mM Tris-HCl (pH 7.4), 65 mM DTT, 1 mM EDTA, 0.5 mM EGTA, phosphatase inhibitor, 2% protease inhibitor cocktail and 1% Triton X-100. The obtained solution was sonicated for 25 min and then centrifuged at 25,000 g at 4 °C for 30 min. Next, the supernatant was treated by five volumes of ice-cold precipitation solution (ethanol/acetone/acetic acid = 50/50/0.1), and was placed at -20 °C overnight for precipitation of proteins. The suspension was centrifuged at 20,000 g at 4 °C for 30 min and get the precipitated proteins. The protein concentration was detected by BCA assay and lyophilized before use.

Sample Preparation

For the digestion of β -casein or α -casein, the protein was dissolved in 100 mM NH_4HCO_3 buffer (2 mg/mL) to form a substrate solution and digested at 37 °C for 16 h with trypsin at the enzyme-to-substrate ratio of 1:40 (w/w). For the digestion of IgG or BSA, the standard protein was firstly dissolved in a buffer (8 M urea, 100 mM NH_4HCO_3). The dissolved standard protein (2 mg/mL) was reduced by DTT at 60 °C for 1 h, and then, alkylated by iodoacetamide (IAA) at room temperature for 45 min in the dark. The resulting solution was diluted to 1 M urea by 100 mM NH_4HCO_3 and digested by trypsin with a mass ratio of trypsin to stand protein at 1:25 (w/w) for 16 h at 37 °C. The obtained digests were kept at -80 °C for further use.

HeLa cells were digested as following protocol: firstly, the obtained HeLa cell lysate protein was dissolved in a solution containing 8 M urea and 50 mM NH_4HCO_3 (pH = 8.0). Then they were reduced by 20 mM DTT at 37 °C for 2 h. After alkylation by 40 mM IAA at room temperature in darkness for 45 min, concentration of urea of the solution was diluted to 1 M by 50 mM Tris-HCl (pH = 7.8). Subsequently, the solution was treated with trypsin overnight at 37 °C with an enzyme-to-protein ratio of 1/25 (w/w). Finally, the samples were all lyophilized and stored at -20 °C for further analysis.

Supporting figures

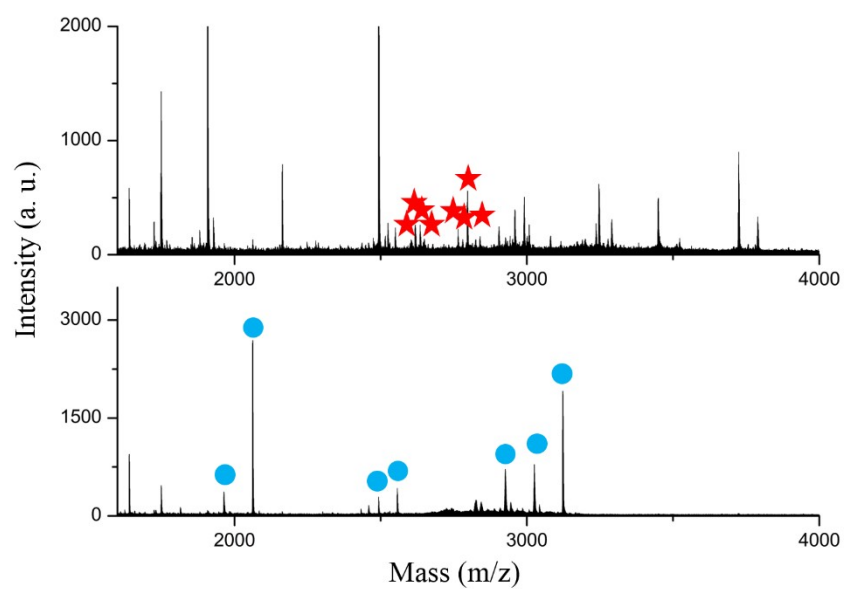


Fig. S1 MALDI-TOF mass spectra of peptide mixtures of tryptic digests of IgG, β -casein and BSA with a molar ratio of 1:1:1000 with simultaneous enrichment by DZMOF-FDP. The red stars indicate glycopeptides. The blue bullets indicate phosphopeptides and their dephosphorylated fragments.

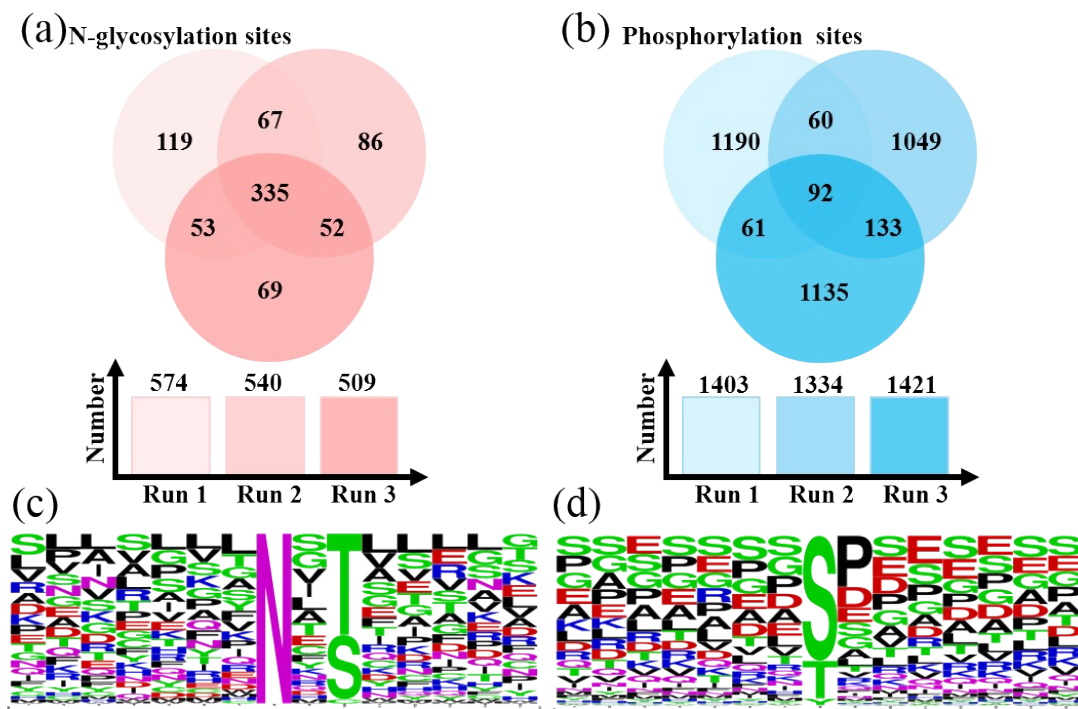


Fig. S2 Venn diagrams of (a) identified unique glycosylation sites and (b) identified unique phosphorylation sites. Motif analysis of (c) glycosylation sites and (d) phosphorylation sites.

Supporting tables

Table S1 The identified glycopeptides from human IgG digests treated with DZMOF-FDP.

No.	m/z	Glycan composition	Amino acid sequence
I1	1506.0	[HexNAc]1[Fuc]1	EEQFN*STFR
I2	1538.4	[HexNAc]1[Fuc]1	EEQYN*STYR
I3	2235.3	[Hex]2[HexNAc]3[Fuc]1	EEQFN*STFR
I4	2268.0	[Hex]2[HexNAc]3[Fuc]1	EEQYN*STYR
I5	2397.9	[Hex]3[HexNAc]3[Fuc]1	EEQFN*STFR
I6	2429.8	[Hex]3[HexNAc]3[Fuc]1	EEQYN*STYR
I7	2455.9	[Hex]3[HexNAc]4	EEQFN*STFR
I8	2486.9	[Hex]3[HexNAc]4	EEQYN*STYR
I9	2589.8	[Hex]4[HexNAc]3[Fuc]1	EEQFN*STFR
I10	2591.9	[Hex]4[HexNAc]3[Fuc]1	EEQYN*STYR
I11	2601.6	[Hex]3[HexNAc]4[Fuc]1	EEQFN*STFR
I12	2617.5	[Hex]4[HexNAc]4	EEQFN*STFR
I13	2633.6	[Hex]3[HexNAc]4[Fuc]1	EEQYN*STYR
I14	2649.6	[Hex]4[HexNAc]4	EEQYN*STYR
I15	2689.8	[Hex]3[HexNAc]5	EEQYN*STYR
I16	2763.6	[Hex]4[HexNAc]4[Fuc]1	EEQFN*STFR
I17	2779.8	[Hex]5[HexNAc]4	EEQFN*STFR
I18	2795.6	[Hex]4[HexNAc]4[Fuc]1	EEQYN*STYR
I19	2804.7	[Hex]3[HexNAc]5[Fuc]1	EEQFN*STFR
I20	2810.8	[Hex]5[HexNAc]4	EEQYN*STYR
I21	2837.6	[Hex]3[HexNAc]5[Fuc]1	EEQYN*STYR
I22	2853.5	[Hex]4[HexNAc]5	EEQYN*STYR
I23	2925.7	[Hex]5[HexNAc]4[Fuc]1	EEQFN*STFR
I24	2941.5	[Hex]5[HexNAc]4[Fuc]1	EEQFN*STYR
I25	2957.6	[Hex]5[HexNAc]4[Fuc]1	EEQYN*STYR
I26	2966.7	[Hex]4[HexNAc]5[Fuc]1	EEQFN*STFR
I27	2998.7	[Hex]4[HexNAc]5[Fuc]1	EEQYN*STYR
I28	3084.8	[Hex]4[HexNAc]4[Fuc]1[NeuAc]1	EEQYN*STYR

I29	3130.8	[Hex]5[HexNAc]5[Fuc]1	EEQFN*STFR
I30	3160.6	[Hex]5[HexNAc]5[Fuc]1	EEQYN*STYR
I31	3205.1	[Hex]5[HexNAc]3[Fuc]1	TKPREEQFN*STFR
I32	3246.6	[Hex]4[HexNAc]4[Fuc]1	TKPREEQFN*STFR
I33	3278.8	[Hex]4[HexNAc]4[Fuc]1	TKPREEQYN*STYR
I34	3407.7	[Hex]5[HexNAc]4[Fuc]1	TKPREEQFN*STFR
I35	3441.7	[Hex]5[HexNAc]4[Fuc]1	TKPREEQYN*STYR
I36	3481.2	[Hex]4[HexNAc]5[Fuc]1	TKPREEQYN*STYR

The N-glycosylation sites are marked with N*. HexNAc=N-acetylglucosamine, Hex=mannose, Fuc=fucose, NeuAc=sialic.

Table S2 N-glycopeptides enriched by DZMOF-FDP from HeLa cell proteins tryptic digest

No.	Protein	Peptide sequence	N-glycated site
1	A0A024RCL3_ HUMAN	R.SEASEGN*ITVTCR.A	N123
2	A0A087WT78_ HUMAN	K.HNN*DTQHIWESDSNEFSVIADPR.G	N217
3	A0A087WTB7_ HUMAN	K.QLQGIPSSSHVSNN*M#STPVLPAPTA APGN^TGMVQ^GPSSGNTSSSSHSK.A	N32
4	A0A087WTK0_ HUMAN	R.KAALSWSN^GN*GTASCR.V	N231
5	A0A087WTK0_ HUMAN	K.IHVAGETDSSNLN*VSEPR.A	N413
6	A0A087WTK0_ HUMAN	R.YN*ATVYSQAAN*GTEGQPQAIEFR.T	N342N351
7	A0A087WTK0_ HUMAN	R.NTCTTGITDPPPPDGSPN*ITSVSHNSV K.V	N824
8	A0A087WTK0_ HUMAN	R.SSTFYN*ITVCPVLGDIEGTPGFLQ^VH TPPVPVSDFR.V	N431
9	A0A087WTK0_ HUMAN	R.ACVAGFTN*ITFHPQNK.G	N937
10	A0A087WTK0_ HUMAN	R.NTCTTGITDPPPPDGSPN*ITSVSHN^S VK.V	N824
11	A0A087WTK0_ HUMAN	R.SSTFYN*ITVCPVLGDIEGTPGFLQVHT PPVPVSDFR.V	N431
12	A0A087WU02_ HUMAN	R.GHAHLAALVNHESYN*FSHR.I	N221
13	A0A087WU13_ HUMAN	K.AIHVALN*CCGLAGGVEQFISDICPK.K	N178
14	A0A087WV34_ HUMAN	R.TFAN*GSLAFR.V	N101
15	A0A087WVP1_ HUMAN	K.TGALTVQN*TTQLR.S	N1942
16	A0A087WVQ9_ HUMAN	R.KDGN*ASGTTLLEALDCILPPTPTDK PLRLPLQDVYK.I	N219
17	A0A087WW26_ HUMAN	K.MQLFLFISILAHQCDFRANPN^EPAKM #N*FSYGLTIKPK.S	N133
18	A0A087WWP4_ HUMAN	K.LGGSGGSN*GSSSGK.T	N37
19	A0A087WXM8_ HUMAN	K.VLSLPLN*SSAVVN*CSVHGLPTPALR.	N377N383

	HUMAN	W	
20	A0A087WYV6_ HUMAN	K.QYN*STGDYR.S	N46
21	A0A087WZ85_ HUMAN	R.NYLGEAVSHN*ASLEVAILR.D	N41
22	A0A087WZ85_ HUMAN	K.VWCLGN*ETR.Y	N703
23	A0A087X0T8_ UMAN	R.FQLLN*FSSSELK.V	N60
24	A0A087X117_ UMAN	R.ENVGIYN*LSK.G	N618
25	A0A087X117_ UMAN	R.VTNSNANAASPLIVAGYN*VSGSVR.S	N218
26	A0A087X208_ UMAN	R.GPTFAPLPPVAPLHCAQTPYGCCQDN* ITAAR.G	N639
27	A0A087X208_ UMAN	R.GPTFAPLPPVAPLHCAQTPYGCCQ^DN *ITAAR.G	N639
28	A0A087X2C4_ HUMAN	R.LVVQVNDSGQPSQSTTTLVHVFVN*E SVSN*ATAIDSQ^IAR.S	N155N160
29	A0A087X2C4_ HUMAN	R.LVVQVNDSGQPSQ^STTTLVHVFVN*E SVSN*ATAIDSQIAR.S	N155N160
30	A0A0A0MQS9_ HUMAN	K.RPASN*VSASIQR.I	N810
31	A0A0A0MRM9_ _HUMAN	K.N*SSNKPAVTTK.S	N395
32	A0A0A0MSA9_ HUMAN	R.SNPEPTGYNWSTTMGPLPPFAVAQGA Q^LLIRPVDKPIN*TTLICN*VTN^ALGAR .Q	N307N313
33	A0A0A0MSA9_ HUMAN	R.SNPEPTGYNWSTTM#GPLPPFAVAQG AQ^LLIRPVDKPIN*TTLICN*VTN^ALGA R.Q	N307N313
34	A0A0A0MSM0_ HUMAN	R.FVVQ^N*VSAQK.D	N390
35	A0A0A0MST8_ HUMAN	K.KDN*ITAHNISWR.N	N771
36	A0A0A0MTC1_ HUMAN	R.LQ^N*FSR.I	N3876
37	A0A0A0MTJ9_ HUMAN	R.LN*WTSLLPASFTK.N	N327
38	A0A0A0MTJ9_ HUMAN	K.GNYDFVQAMIVNN*HTSLDVVEEAAA VR.A	N310

39	A0A0A0MTJ9_ HUMAN	K.GNYDFVQAM#IVNN*HTSLDVVEEAAA VR.A	N310
40	A0A0A0MTU3_ HUMAN	K.VFKPPSSTEALN*DSQEFPPETPTK.V	N189
41	A0A0C4DG87_ HUMAN	R.LHNQLLPN*VTTVER.N	N167
42	A0A0C4DGX8_ HUMAN	K.QPVSPVIHPPVSYN*DTAPR.I	N133
43	A0A0G2JIW1_ HUMAN	R.N*STIPTK.Q	N418
44	A0A0G2JIW1_ HUMAN	R.N*STIPTKQTQIFTTYSDNQPGVLIQ^V YEGER.A	N418
45	A0A0G2JK11_H UMAN	R.AKPQGQWAEDVLGN*KTWDRETR.D	N79
46	A0A0G2JLB3_ HUMAN	R.DLGPTLAN*STHHNVR.L	N309
47	A0A0G2JLB3_ HUMAN	R.M#ELSM#GPIQAN*HTGTGLLLTLQPE QK.F	N98
48	A0A0G2JLB3_ HUMAN	R.RM#ELSM#GPIQAN*HTGTGLLLTLQP EQK.F	N98
49	A0A0G2JLB3_ HUMAN	R.MELSMGPIQAN*HTGTGLLLTLQPEQ K.F	N98
50	A0A0G2JLB3_ HUMAN	R.TYTYADTPDDFQLHN*FSLPEEDTK.L	N185
51	A0A0G2JLB3_ HUMAN	R.RMELSMGPIQAN*HTGTGLLLTLQPE QK.F	N98
52	A0A0G2JLI4_H UMAN	K.TQNGVYSAAN*YTN*GSFGSNFVSAGI QTSFR.T	N434N437
53	A0A0G2JNW7_ HUMAN	K.SAFDPPDIPVCLLGN*R.T	N312
54	A0A0G2JNZ5_ HUMAN	- .M#ELSM#GPIQAN*HTGTGLLLTLQPEQ K.F	N11
55	A0A0G2JNZ5_ HUMAN	- .MELSMGPIQAN*HTGTGLLLTLQPEQK. F	N11
56	A0A0J9YXA3_ HUMAN	R.VN*CSVYVQLEK.V	N83
57	A0A0J9YXF2_ HUMAN	K.HTNM#N*LTQLK.V	N275
58	A0A0J9YXF2_ HUMAN	R.IQNILSEKPTVTTVYANN*GSVLQGSS	N344

	HUMAN	VASVYDGK.L	
59	A0A0J9YXF2_ HUMAN	R.IQNILSEKPTVTTVYANN*GSVLQ^GSS VASVYDGK.L	N344
60	A0A0J9YYJ1_ UMAN	K.HTNM#N*LTQLK.I	N107
61	A0A0R4J2F2_ UMAN	R.SPVQEN*SSDLNK.S	N65
62	A0A0R4J2F2_ UMAN	R.YN*GTVGLWR.R	N95
63	A0A0S2Z3I2_ UMAN	K.SN*ITFNNN*DTVSFLEYR.T	N102N108
64	A0A0S2Z3I2_ UMAN	R.HKSNITFNN^N*DTVSFLEYR.T	N108
65	A0A0S2Z3I2_ UMAN	R.HKSN*ITFN^NN*DTVSFLEYR.T	N102N108
66	A0A0S2Z3I2_ UMAN	R.HKSN*ITFN^N^N*DTVSFLEYR.T	N102N108
67	A0A0S2Z3I2_ UMAN	R.HKSNITFNNN*DTVSFLEYR.T	N108
68	A0A0S2Z3I2_ UMAN	R.HKSN*ITFNN^NDTVSFLEYR.T	N102
69	A0A0S2Z3I2_ UMAN	R.HKSN*ITFNNN*DTVSFLEYR.T	N102N108
70	A0A0S2Z3I2_ UMAN	R.HKSNITFN^N^N*DTVSFLEYR.T	N108
71	A0A0U1RQT9_ HUMAN	K.GQTEIQVNCPPAVTEN*K.T	N31
72	A0A0U1RQT9_ HUMAN	R.LNEASFQPPPGVN*ICDVNWK.D	N56
73	A0A140T912_ UMAN	R.GYYN*QSEAGSHTLQWMYGCDLGP GR.L	N110
74	A0A140T912_ UMAN	R.GYYN*QSEAGSHTLQWM#YGCDLGP DGR.L	N110
75	A0A140T9K6_ UMAN	K.TVTSASNN*ETYCR.S	N192
76	A0A1B0GTM3_ HUMAN	R.TVLEN*STSYEEAK.N	N240
77	A0A1B0GU03_ HUMAN	K.GSLSYLN*VTR.K	N263
78	A0A1B0GU03_ HUMAN	K.GSLSYLN*VTRK.A	N263

79	A0A1B0GU03_ HUMAN	K.YYKGSLSYLN*VTR.K	N263
80	A0A1B0GV47_ HUMAN	R.LTVSQGN*TSVQQ^DK.S	N1274
81	A0A1W2PNP0_ HUMAN	R.VYVDITTYNQDN*ETLEVHPPPTTTYQ ^DVILGTR.K	N293
82	A0A1W2PNP0_ HUMAN	R.VYVDITTYN^Q^DN*ETLEVHPPPTTT YQDVILGTR.K	N293
83	A0A1W2PNP0_ HUMAN	R.KTYAIYDLLDTAMIN*NSR.N	N329
84	A0A1W2PNP0_ HUMAN	R.VYVDITTYNQDN*ETLEVHPPPTTTYQ DVILGTR.K	N293
85	A0A1W2PNP0_ HUMAN	R.VYVDITTYN^QDN*ETLEVHPPPTTTY QDVILGTR.K	N293
86	A0A1W2PPN1_ HUMAN	R.VCEIHEDN*STR.S	N133
87	A0A1W2PPU6_ HUMAN	K.ANIQFGDN*GTTISAVSNK.A	N105
88	A0A1W2PPU6_ HUMAN	R.NKANIQFGDN*GTTISAVSNK.A	N105
89	A0A1W2PPU6_ HUMAN	R.TMVFPVMYLN*ESVHIDKETASR.L	N372
90	A0A1W2PPU6_ HUMAN	R.TM#VFPVMYLN*ESVHIDKETASR.L	N372
91	A0A1W2PPU6_ HUMAN	R.TM#VFPVM#YLN*ESVHIDKETASR.L	N372
92	A0A1W2PPU6_ HUMAN	R.YKVP AEILANTSDNAGFCIPEGN^CLG SGVLN*VSICK.N	N285
93	A0A1W2PPU6_ HUMAN	R.YKVP AEILAN*TSDN^AGFCIPEGNCL GSGVLNVSICK.N	N264
94	A0A1W2PPU6_ HUMAN	R.YKVP AEILAN*TSDNAGFCIPEGNCLG SGVLN*VSICK.N	N264N285
95	A0A1W2PPU6_ HUMAN	R.YKVP AEILANTSDN^AGFCIPEGN^CL GSGVLN*VSICK.N	N285
96	A0A1W2PPU6_ HUMAN	R.YKVP AEILAN*TSDNAGFCIPEGN^CL GSGVLN*VSICK.N	N264N285
97	A0A1W2PPU6_ HUMAN	R.YKVP AEILANTSDN^AGFCIPEGNCLG SGVLN*VSICK.N	N285
98	A0A1W2PPU6_ HUMAN	R.YKVP AEILAN*TSDN^AGFCIPEGNCL GSGVLN*VSICK.N	N264N285
99	A0A1W2PQB7_ HUMAN	K.TSLDWWITDKCNMIN*GTDGDSFHPLI	N249

	HUMAN	TK.D	
100	A0A1W2PQB7_ HUMAN	R.YKVP AEILAN*TSDN^AGFCIPEGN^CL GSGVLN*VSICK.N	N304N325
101	A0A286YES4_ HUMAN	R.LRPHFLSVCN^PDFSQIN*CSEGYIQNY R.C	N52
102	A0A286YES4_ HUMAN	R.LRPHFLSVCNPDFSQIN*CSEGYIQNYR .C	N52
103	A0A286YFE3_ HUMAN	R.N*HSIFLADINQR.G	N197
104	A0A286YFE3_ HUMAN	R.GIN*ESYKK.N	N212
105	A0A286YFE3_ HUMAN	K.FLN*DSIVDPVDSEWFGFYR.S	N232
106	A0A286YFJ8_H UMAN	R.EEQFN*STYR.V	N177
107	A0A286YFJ8_H UMAN	K.TKPREEQFN*STYR.V	N177
108	A0A2R8Y484_ HUMAN	R.DIYTFDGALN*K.S	N28
109	A0A2R8Y484_ HUMAN	K.SDAVSHTGN*YTCEVTELTR.E	N66
110	A0A2R8Y484_ HUMAN	K.M#DKSDAVSHTGN*YTCEVTELTR.E	N66
111	A0A2R8Y484_ HUMAN	K.GRDIYTFDGALN*K.S	N28
112	A0A2R8Y484_ HUMAN	K.MDKSDAVSHTGN*YTCEVTELTR.E	N66
113	A0A2R8Y567_ HUMAN	R.LDMSQN*VSLVTAELSK.D	N48
114	A0A2R8Y5Y7_ HUMAN	R.SVYAHFPINVVIQEN*GSLVEIR.N	N136
115	A0A2R8Y5Y7_ HUMAN	R.SVYAHFPIN^VVIQEN*GSLVEIR.N	N136
116	A0A2R8Y7U1_ HUMAN	K.FLSSSPHLPSSYFN*ASGR.A	N280
117	A0A2R8Y811_ HUMAN	K.KEEQVISLGPQVAEGENVFGVCHIFAS FN*DTFVHVTDLSGK.E	N38
118	A0A2R8Y811_ HUMAN	K.EKKEEQVISLGPQVAEGENVFGVCHIF ASFN*DTFVHVTDLSGK.E	N38
119	A0A2U3TZL5_ HUMAN	K.TAVN*CSSDFDACLITK.A	N43

120	A0A3B3IRL2_H UMAN	K.LN*ITNIWVLDYFGGPK.I	N193
121	A0A3B3IRP0_H UMAN	R.VESGEN*CSSPAPR.E	N1302
122	A0A3B3IRT8_H UMAN	R.YPQDYQFYIQN*FTALPLNTVVPPQR. Q	N136
123	A0A3B3IRT8_H UMAN	R.YPQDYQ^FYIQN*FTALPLNTVVPPQR. Q	N136
124	A0A3B3ISF9_H UMAN	R.FFN*FSWR.V	N523
125	A0A3B3ISF9_H UMAN	R.LGGWN*ITGPWAK.D	N194
126	A0A3B3ISF9_H UMAN	R.DYYLN*KTENEK.V	N254
127	A0A3B3ISF9_H UMAN	R.ACMN*ETRIEELR.A	N171
128	A0A3B3ISF9_H UMAN	R.ACM#N*ETRIEELR.A	N171
129	A0A3B3ISF9_H UMAN	K.HLLEN*STASVSEAER.K	N150
130	A0A3B3ISF9_H UMAN	K.HLLEN*STASVSEAERK.A	N150
131	A0A3B3ISF9_H UMAN	K.NSNSNVIQVDQ^SGLGLPSRDYYLN*K TENEK.V	N254
132	A0A3B3ISF9_H UMAN	K.NSNSNVIQVDQSGLGLPSRDYYLN*K TEN^EK.V	N254
133	A0A3B3ITW3_ HUMAN	R.SGANVLCGPN*GCGK.S	N475
134	A0A3B3IUC4_ HUMAN	K.LGIYADVGN*K.T	N180
135	A0A3B3IUC4_ HUMAN	R.SIVYSCEWPLYMWPQKPN*YTEIR.Q	N256
136	A0A3B3IUC4_ HUMAN	R.SIVYSCEWPLYMWPQ^KPN*YTEIR. Q	N256
137	A0A494BZU0_ HUMAN	K.SHLQN*YTVN*ATK.L	N379N383
138	A0A494C016_H UMAN	R.IN*GCAIQCR.V	N370
139	A0A494C039_H UMAN	K.VIN*ETWAWK.N	N862
140	A0A494C039_H	R.VFGSQN*LTTVK.L	N515

	UMAN		
141	A0A494C039_H UMAN	R.AEPPLN*ASASDQGEK.V	N931
142	A0A494C039_H UMAN	R.LSALDNLLN*HSSMFLK.G	N830
143	A0A494C039_H UMAN	R.LSALDNLLN*HSSM#FLK.G	N830
144	A0A494C039_H UMAN	K.VIN*ETWAWKN*ATLAEQAK.L	N862N869
145	A0A494C039_H UMAN	K.DKN*GTRAEPPLN*ASASDQGEK.V	N922N931
146	A0A494C039_H UMAN	K.N*ATLAEQAKLPATEKPVLLSK.D	N869
147	A0A494C039_H UMAN	R.QTVHFQISSQLQFSPEEVLGMVLN*YS R.S	N155
148	A0A494C039_H UMAN	K.N*ATLAEQAK.L	N869
149	A0A494C1B1_H UMAN	K.GQVYPWGNWFQPN*R.T	N195
150	A0A494C1F2_H UMAN	K.ESSQ^PDAFSSGGGSKPSYEAIPESSPPS GITSASN*TTPGEPAASSSRPVAPSGTAL STTSSK.L	N1270
151	A0A494C1K3_ HUMAN	R.TPTQTN*GSNVPFKPR.G	N869
152	A0A5F9ZH40_ HUMAN	R.FNPN*ISWQPIPVHTVPITEDR.S	N133
153	A0A5F9ZH94_ HUMAN	R.FMGDMVSFEEDRIN*ATVWK.L	N234
154	A0A5F9ZH94_ HUMAN	R.LLLVDFSSQALFQDKN*SSQVLGEK.V	N303
155	A0A5F9ZH94_ HUMAN	K.N*VTLQ^CVFWVEDPTLSSPGHWSSA GCETVR.R	N341
156	A0A5F9ZH94_ HUMAN	R.FM#GDM#VSFEEDRIN*ATVWK.L	N234
157	A0A5F9ZHR7_ HUMAN	R.YHGFLN*TSYHR.Q	N92
158	A0A5F9ZHR7_ HUMAN	R.NAQFLDMVAN*ETGLTDLTLETVWN VYDTLFCEQ^THGLR.L	N191
159	A0A5F9ZHR7_ HUMAN	R.NAQ^FLDMVAN*ETGLTDLTLETVWN VYDTLFCEQ^THGLR.L	N191
160	A0A5F9ZHR7_ HUMAN	R.NAQ^FLDMVAN*ETGLTDLTLETVWN	N191

	HUMAN	^VYDTLFCEQTHGLR.L	
161	A0A5F9ZHR7_	R.NAQ^FLDMVAN*ETGLTDLTLETVWN	
	HUMAN	^VYDTLFCEQ^THGLR.L	N191
162	A0A5F9ZHR7_	R.QTPEYQN*ESSR.N	N177
	HUMAN		
163	A0A5F9ZHR7_	R.FNPN*ISWQIPVHTVPITEDR.L	N133
	HUMAN		
164	A0A669KBE6_	R.YSLN*VTYNYPVHYFDGR.K	N258
	HUMAN		
165	A0A669KBJ7_H	R.SQAPARYSLQ^SAN*ASSLSSGQLK.S	N470
	UMAN		
166	A0A6Q8PF58_H	K.SN*ISILR.V	N607
	UMAN		
167	A0A6Q8PF58_H	K.FLEAGIYEVPIIITDSGNPPKSN*ISILR.	
	UMAN	V	N607
168	A0A6Q8PF58_H	K.IKFLEAGIYEVPIIITDSGNPPKSN*ISIL	
	UMAN	R.V	N607
169	A0A6Q8PF58_H	K.IKFLEAGIYEVPIIITDSGN^PPKSN*ISIL	
	UMAN	R.V	N607
170	A0A6Q8PF58_H	R.IVSQAPSTPSPNM#FTIN^N*ETGDIITV	
	UMAN	AAGLDREK.V	N240
171	A0A6Q8PF58_H	K.RN*WTITR.L	N566
	UMAN		
172	A0A7I2V2E0_H	R.GFCSADGSDPLWDWN*VTWN*TSNP	
	UMAN	DFTK.C	N19N23
173	A0A7I2V2E1_H	R.GLLHLEN*ASYGIEPLQN*SSHFEHIIY	
	UMAN	R.M	N144N154
174	A0A7I2V2E1_H	R.N*FSSCSAEDFEK.L	N381
	UMAN		
175	A0A7I2V2E1_H	R.N*FSSCSAEDFEKLTLNK.G	N381
	UMAN		
176	A0A7I2V2E1_H	R.GLLHLEN*ASYGIEPLQ^N*SSHFEHIIY	N144N154
	UMAN	R.M	
177	A0A7I2V2E1_H	R.GLLHLENASYGIEPLQ^N*SSHFEHIIY	N154
	UMAN	R.M	
178	A0A7I2V2H5_H	R.LRN*SSLGDAINKYDVVIR.C	N131
	UMAN		
179	A0A7I2V2K0_H	R.FVHVN*TSAVLK.L	N297
	UMAN		
180	A0A7I2V2T9_H	K.GTN*YTVR.L	N677
	UMAN		

181	A0A7I2V2T9_H UMAN	K.LSDTTSQSN*STAK.E	N1279
182	A0A7I2V2T9_H UMAN	K.LSDTTSQSN*STAKELDSLQTEAESLD NTVK.E	N1279
183	A0A7I2V2U7_H UMAN	K.EALN*SCNKR.E	N541
184	A0A7I2V2U7_H UMAN	K.TLVLSN*LSYSATEETLQEVFEK.A	N492
185	A0A7I2V2U7_H UMAN	K.N*STWSGESK.T	N478
186	A0A7I2V348_H UMAN	K.KNKN*VTNR.S	N94
187	A0A7I2V348_H UMAN	R.KEN*SSEICSNN^GECVCGQCVCR.K	N520
188	A0A7I2V348_H UMAN	K.SCGECIQAGPNCGWCTN*STFLQEGM #PTSAR.C	N50
189	A0A7I2V348_H UMAN	K.SCGECIQAGPNCGWCTN*STFLQ^EG M#PTSAR.C	N50
190	A0A7I2V348_H UMAN	K.SYCKN^GVN*GTGEN^GRK.C	N406
191	A0A7I2V3E2_H UMAN	R.N*SSYVHGGVDASGKPQ^EAVYGQND IHHK.V	N37
192	A0A7I2V466_H UMAN	R.DVN*CSVMGPQEK.K	N53
193	A0A7I2V466_H UMAN	R.DVN*CSVM#GPQEK.K	N53
194	A0A7I2V484_H UMAN	K.YSVAN*DTGFVDIPKQEK.A	N97
195	A0A7I2V5K0_H UMAN	K.QN*ATKAR.I	N121
196	A0A7P0SNB0_ HUMAN	R.RRDPGAAPGAAN*ASAQQPR.T	N81
197	A0A7P0T828_H UMAN	R.TGFYGEN*CSTPEFLTR.I	N53
198	A0A7P0T8I6_H UMAN	R.N*YTLWR.V	N215
199	A0A7P0T9B0_H UMAN	K.DFN*ETQLAR.I	N132
200	A0A7P0TA85_ HUMAN	K.ALMN*GSESR.F	N149
201	A0A7P0TA85_ HUMAN	K.ITDSEDKALMN*GSESR.F	N149

	HUMAN		
202	A0A7P0TA85_ HUMAN	K.ITDSEDKALM#N*GSESR.F	N149
203	A0A7P0TA85_ HUMAN	K.ILLTCSLN*DSATEVTGHR.W	N41
204	A0A7P0TA85_ HUMAN	K.ALM#N*GSESR.F	N149
205	A0A7P0TAF4_ HUMAN	K.SKGNPYSDLGN*HTTCR.Y	N802
206	A0A7P0TAN7_ HUMAN	K.SLVTQYLN*ATGNR.W	N417
207	A0A7P0TAN7_ HUMAN	K.SLVTQYLN*ATGN^R.W	N417
208	A0A7P0TAN7_ HUMAN	K.SLVTQ^YLN*ATGNR.W	N417
209	A0A7P0TAN7_ HUMAN	K.DASSFLAEWQN*ITK.G	N358
210	A0A7P0TAN7_ HUMAN	R.DIENLKDASSFLAEWQN*ITK.G	N358
211	A0A7P0TAN7_ HUMAN	R.DIEN^LKDASSFLAEWQN*ITK.G	N358
212	A0A7P0TAN7_ HUMAN	R.LLIAGTN*SSDLQQILSLESNK.D	N374
213	A0A7P0TAN7_ HUMAN	K.DASSFLAEWQN*ITKGFSEDR.L	N358
214	A0A7P0TAN7_ HUMAN	K.GFSEDRLLIAGTN*SSDLQQ^ILSLES NKDLLLTSSYLSDSGSTGEHTK.S	N374
215	A0A7P0Z481_H UMAN	R.WIADPSPQN*STADTSK.V	N281
216	A0A804HHX0_ HUMAN	R.TDCDSSTTSLCSFPVAN*VSLTK.G	N152
217	A0A804HHZ2_ HUMAN	K.TPPSPGQAVECCQGDWCNRN*ITAQL PTK.G	N102
218	A0A804HI12_H UMAN	K.VVDDVSN*QTSCR.L	N292
219	A0A804HI12_H UMAN	R.VLN*ASTLALALANLN*GSR.Q	N92N104
220	A0A804HIC8_H UMAN	K.SAEGTFFIN*KTEIEDFPR.F	N157
221	A0A804HIC8_H UMAN	K.SAEGTFFIN*KTEIEDFPRFPHR.G	N157

222	A0A804HJR0_H UMAN	R.VGVPEPGQLHFN*Q^CLTAEEIFSLHGF SNATQ^ITSSK.F	N72
223	A0A804HJR0_H UMAN	R.VGVPEPGQLHFN*Q^CLTAEEIFSLHGF SN*ATQITSSK.F	N72N88
224	A0A804HJR0_H UMAN	R.VGVPEPGQLHFNQCLTAEEIFSLHGFS N*ATQ^ITSSK.F	N88
225	A0A804HK76_ HUMAN	R.APSVATVGSICDLNLKIPEIN*SSDMSA HVTSPSGR.V	N2085
226	A0A804HKF9_ HUMAN	R.GTASADVSTDTRKAGGQEQ^N*GTQ^ Q^SIVVDM#R.E	N724
227	AAAT_HUMA N	R.SYSTTYEERN*ITGTR.V	N212
228	ADA10_HUMA N	R.N*ISQVLEK.K	N439
229	ADA10_HUMA N	R.EGICNGFTALCPASDPKPN*FTDCN^R. H	N551
230	ADA10_HUMA N	R.EGICN^GFTALCPASDPKPN*FTDCNR. H	N551
231	ADA15_HUMA N	R.DFQHLLN*R.T	N237
232	AGRE2_HUMA N	R.WCPQDSSCVN*ATACR.C	N41
233	AGRE5_HUMA N	R.GDKN*VTMGQSSAR.M	N371
234	AGRE5_HUMA N	R.GDKN*VTM#GQSSAR.M	N371
235	AGRE5_HUMA N	R.LSAVNSIFLSHN*NTK.E	N453
236	AGRE5_HUMA N	R.RLSAVNSIFLSHN*NTK.E	N453
237	AGRE5_HUMA N	R.RLSAVN^SIFLSHN*NTK.E	N453
238	AGRE5_HUMA N	R.WCPQNSSCVN*ATACR.C	N38
239	AGRE5_HUMA N	R.WCPQN*SSCVN*ATACR.C	N33N38
240	AGRE5_HUMA N	R.M#KLNWAVAAGAEDPGPAVAGILSIQ ^N*M#TTLLAN*ASLNLHSK.K	N406N413
241	AGRE5_HUMA N	R.LSAVNSIFLSHN*N^TK.E	N453
242	AGRF5_HUMA	K.MDYNSFQAVTIN*ESN^FFVTPEIIFEG	N272

	N	DTVSLVCEKEVLSSNVSWR.Y	
243	AGR66_HUMAN	K.EANEVANQILNLTADGQN*LTSAN*IT	
	N	N^IVEQVKR.I	N600N605
244	ALDOA_HUMAN	R.TVPPAVTGITFLSGGQSEEEASINLNAI	
	N	N*K.C	N288
245	AMPN_HUMAN	K.AEFN*ITLIHPK.D	
	N		N234
246	AMPN_HUMAN	K.KLN*YTLSQGHR.V	
	N		N128
247	AMPN_HUMAN	K.GPSTPLPEDPNWN*VTEFHHTPK.M	
	N		N265
248	AMRP_HUMAN	R.VIDLWDLAQSAN*LTDKELEAFREEL	
	N	K.H	N268
249	APMAP_HUMAN	R.AGPN*GTLFVADAYK.G	
	N		N160
250	APMAP_HUMAN	K.N*M#SFVNDLTVTQDGR.K	
	N		N196
251	ASPH_HUMAN	R.LVQLFPN*DTSLK.N	
	N		N452
252	ASPH_HUMAN	K.SSGN*SSSSGSGSGSTSAGSSSPGAR.R	
	N	R.LVQLFPN*DTSLKNDLGVGYLLIGDN	N12
253	ASPH_HUMAN	DNAK.K	
	N		N452
254	AT1A1_HUMAN	R.IISAN*GCKVDNSSLTGESEPQTR.S	
	N		N209
255	AT1A1_HUMAN	R.IISANGCKVDN*SSLTGESEPQTR.S	
	N		N215
256	AT1B1_HUMAN	K.YLQPLLAVQFTN*LTMDTEIR.I	
	N		N265
257	AT1B1_HUMAN	K.YLQPLLAVQFTN*LTM#DTEIR.I	
	N		N265
258	AT1B1_HUMAN	K.YLQ^PLLAVQFTN*LTM#DTEIR.I	
	N		N265
259	AT1B1_HUMAN	R.FKLEWLGN*CSGLNDETYGYK.E	
	N		N158
260	AT1B1_HUMAN	R.VLGFKPKPPKN*ESLETYPVMK.Y	
	N		N193
261	AT1B1_HUMAN	R.VLGFKPKPPKN*ESLETYPVM#K.Y	
	N		N193
262	AT1B1_HUMAN	R.FKLEWLGN*CSGLN^DETYGYK.E	
	N		N158
263	AT1B3_HUMAN	K.N*LTVC PDGALFEQK.G	
	N		N124

264	AT1B3_HUMAN	K.FLKPYTLEEQKN*LTVCPDGALFEQK.G	N124
265	AT1B3_HUMAN	K.LHVGYLQPLVAVQVSFAPN*NTGKEVTVECK.I	N240
266	AT1B3_HUMAN	K.LHVGYLQPLVAVQVSFAPN*NTGK.E	N240
267	ATG9A_HUMAN	K.M#VN*HSLHPTEPVKVTLPDAFLPAQVCSAR.I	N99
268	B0QY60_HUMAN	K.ALSPN*STISSAPK.D	N109
269	B1AHC9_HUMAN	R.IM#LFTNEDNPHGN*DSAK.A	N128
270	B1AJY7_HUMAN	K.GAQVNAVQN*GCTPLHYAASK.N	N72
271	B1ALM5_HUMAN	R.N*ISGHIYNQN*VSQK.D	N41N50
272	B1AMW1_HUMAN	R.N*STSIYFK.M	N169
273	B1AMW1_HUMAN	K.IQCTLSNPLFN*TTSSIILTTTCIPSSGHSR.H	N195
274	B4DGG1_HUMAN	K.NTN*SSNN*FSR.S	N116N120
275	B4DGG1_HUMAN	R.YKPDTLAVAVEN*GTGTDR.Q	N389
276	B8ZZL8_HUMAN	K.LN*N^SKK.K	N91
277	BGAL_HUMAN	R.NNVITLN*ITGK.A	N464
278	BST2_HUMAN	R.N*VTHLLQQELTEAQK.G	N65
279	BT2A1_HUMAN	R.GSVALVIHN*ITAQEN*GTYR.C	N114N120
280	C9J9E8_HUMAN	R.SAN*ASFNIK.C	N116
281	C9JSZ1_HUMAN	K.KVAPQN*DSFGTQLPPMHQQQR.S	N103
282	CA2D1_HUMAN	K.DAVNN*ITAK.G	N324
283	CA2D1_HUMAN	K.VLKDAVNN*ITAK.G	N324
284	CA2D1_HUMAN	K.SFSGVLDCGN*CSR.I	N998
285	CA2D1_HUMAN	K.IDVNSWIEN*FTK.T	N824

	N		
286	CA2D1_HUMA N	K.GFSFAFEQLLNYN*VSR.A	N348
287	CA2D1_HUMA N	R.SLDNDNYVFTAPYFN*K.S	N781
288	CA2D1_HUMA N	K.KGFSFAFEQLLNYN*VSR.A	N348
289	CAD13_HUMA N	K.ANYNLPIM#VTDSGKPPM#TN*ITDLR. V	N671
290	CAD13_HUMA N	K.ISKIN*NTHALVSLQLNK.A	N638
291	CAD13_HUMA N	K.ANYNLPIMVTDSGKPPMTN*ITDLR.V	N671
292	CAH12_HUMA N	K.KYPSCGGLLQSPIDLHSDILQYDASLT PLEFQ^GYN*LSANK.Q	N80
293	CARF_HUMAN	R.ASAQ^QEN*SSTCIGSAIK.S	N174
294	CBPD_HUMAN	R.GILN*ATISVAEINHPVTTYK.T	N811
295	CBPD_HUMAN	R.GLVMNYPHITN*LTNLGQSTEYR.H	N955
296	CBPD_HUMAN	R.GLVM#NYPHITN*LTNLGQSTEYR.H	N955
297	CBPD_HUMAN	K.DSITGSGLEN*ATISVAGIN^HNITTGR. F	N399
298	CBPD_HUMAN	R.RFANEYPN*ITR.L	N522
299	CBPD_HUMAN	R.HIWSLEISNKPN*VSEPEEPK.I	N978
300	CBPM_HUMA N	K.TVAQN*YSSVTHLHSIGK.S	N38
301	CBPM_HUMA N	K.SQN*FSALKK.D	N384
302	CBPM_HUMA N	R.ELLHLIDYLVTSKGKDPEITNLIN*ST R.I	N115
303	CC150_HUMA N	M.DCKVHM#ETTVSRPVLSPTHIN*ATAS ETFTVLQ^Q^RM#R.I	N22
304	CD109_HUMA N	K.HLN*GTITAK.Y	N247
305	CD109_HUMA N	R.N*VSTNVFFK.Q	N337
306	CD109_HUMA N	R.TQDEILFSN*STR.L	N118
307	CD109_HUMA N	R.N*YTEYWSGSNSGNQK.M	N397
308	CD109_HUMA N	R.FLVTAPGIIRPGGN*VTIGVELLEHCPS QVTVK.A	N41

309	CD109_HUMAN	R.FLVTAPGIIRPGGN*VTIGVELLEHCPS Q^VTVK.A	N41
310	CD276_HUMAN	R.DQGSAYAN*R.T	N309
311	CD276_HUMAN	R.VVLGAN*GTYSCLVR.N	N215
312	CD276_HUMAN	R.TALFPDLLAQGN*ASLR.L	N104
313	CD276_HUMAN	K.QLVHSFAEGQDQGSAYAN*R.T	N91
314	CD276_HUMAN	R.GYPEAEVFWQDGQGVPLTGN*VTTSQ MANEQ^GLFDVHSVLR.V	N407
315	CD276_HUMAN	R.GYPEAEVFWQDGQGVPLTGN*VTTSQ M#ANEQ^GLFDVHSVLR.V	N407
316	CD276_HUMAN	R.GYPEAEVFWQDGQGVPLTGN*VTTSQ ^M#ANEQGLFDVHSVLR.V	N407
317	CDCP1_HUMAN	K.QN*ISVTLR.T	N512
318	CDCP1_HUMAN	R.ESN*ITVLIK.L	N39
319	CDCP1_HUMAN	R.IGTFCSN*GTVSR.I	N180
320	CDCP1_HUMAN	R.TCSSN*LTLTSGSK.H	N386
321	CDCP1_HUMAN	R.ASVSFLNFN*LSNCER.K	N270
322	CERS6_HUMAN	R.FWLPHN*VTWADLK.N	N18
323	CGT_HUMAN	R.YPGIFN*STTSDAFLQSK.M	N78
324	CGT_HUMAN	K.LSEIHKDQPGHPVN*R.T	N442
325	CHPF2_HUMAN	R.N*LTVLTPEGEAGLSWPVGLPAPFTPH SR.F	N342
326	CHST2_HUMAN	R.LDLRTPYRPPAAAVGAAPAAAAGM# AGVAAPPGN*GTRGTGGVGDK.R	N152
327	CLH1_HUMAN	R.TSIDAYDNFDN*ISLAQ^RLEKHELIEF R.R	N1492
328	CLP1L_HUMAN	K.DLMVIN*R.S	N229
329	CLP1L_HUMAN	K.DLM#VIN*R.S	N229
330	CLP1L_HUMAN	R.TVN*VSVPKK.T	N91

	N		
331	CLP1L_HUMAN	R.VKDLM#VIN*R.S	N229
332	CLP1L_HUMAN	R.TVN*VSVPK.K	N91
333	CLP1L_HUMAN	R.VKDLMVIN*R.S	N229
334	CLPT1_HUMAN	K.DYYPIN*ESLASLPLR.V	N295
335	CLUS_HUMAN	R.HN*STGCLR.M	N291
336	CLUS_HUMAN	K.KKEDALN*ETR.E	N86
337	CLUS_HUMAN	R.EIRHN*STGCLR.M	N291
338	CLUS_HUMAN	R.LAN*LTQGEDQYYLR.V	N374
339	CLUS_HUMAN	K.MLN*TSSLLEQLNEQFNWVSR.L	N354
340	CLUS_HUMAN	K.M#LN*TSSLLEQLNEQFNWVSR.L	N354
341	CLUS_HUMAN	K.LKELPGVCN*ETMMALWEECKPCLK. Q	N103
342	CLUS_HUMAN	K.LKELPGVCN*ETM#M#ALWEECKPCL K.Q	N103
343	CLUS_HUMAN	K.LKELPGVCN*ETMM#ALWEECKPCLK .Q	N103
344	CNTP1_HUMAN	R.GHNSTFFGN^VN*ESAVVR.H	N128
345	CNTP1_HUMAN	R.AN*ASEGTSPN*CTGHCAHPR.L	N948N956
346	CNTP1_HUMAN	K.GLLTFVDHLPVTQVVIGDTN*R.S	N763
347	CNTP1_HUMAN	R.TDKGLLTFVDHLPVTQVVIGDTN*R.S	N763
348	CO5A1_HUMAN	K.N*VTLILDCK.K	N176
349	CO5A1_HUMAN	R.LLSASAHQN*VTYHCYQSVAWQDAA TGSYDK.A	N1741
350	CO5A1_HUMAN	K.VYCN*FTAGGSTCVFPDKK.S	N1672
351	COR1C_HUMAN	R.N*GSLICTASK.D	N185
352	CREL2_HUMAN	R.CHMGYQGPLCTDCMDGYFSSLRN*ET HSICTACDESCK.T	N190
353	CREL2_HUMAN	R.CHMGYQGPLCTDCM#DGYFSSLRN*E THSICTACDESCK.T	N190

354	CRTAP_HUMA N	R.N*CSAAPQPEPAAGLASYPELR.L	N87
355	CRTAP_HUMA N	R.DTWGLSDEHFQPRPEAVQFFN*VTTL QK.E	N363
356	CRTAP_HUMA N	R.N*CSAAPQ^PEPAAGLASYPELR.L	N87
357	CTL2_HUMAN	K.TCNPETFPSSN*ESR.Q	N417
358	D9J307_HUMA N	R.GYYN*QSEAGSHTLQR.M	N110
359	D9J307_HUMA N	R.GYYN*Q^SEAGSHTLQ^R.M	N110
360	DAF_HUMAN	K.GSQWSDIEEFCN*R.S	N95
361	DCBD1_HUMA N	K.ELLLN*TSEVTVR.F	N124
362	DNER_HUMAN	R.LVSFEVPQN*TSVK.I	N223
363	DNS2A_HUMA N	K.GHHVSQEPWN*SSITLTSQAGAVFQSF AK.F	N212
364	DNS2A_HUMA N	K.TVGILPSNCSDIWQVLN^VNQIAFPGP AGPSFN*STEDHSK.W	N290
365	DNS2A_HUMA N	K.TVGILPSNCSDIWQ^VLNVNQIAFPGP AGPSFN*STEDHSK.W	N290
366	DNS2A_HUMA N	K.TVGILPSNCSDIWQVLNVN^Q^IAFPGP AGPSFN*STEDHSK.W	N290
367	DNS2A_HUMA N	K.TVGILPSNCSDIWQVLNVNQ^IAFPGP AGPSFN*STEDHSK.W	N290
368	DNS2A_HUMA N	K.TVGILPSN*CSDIWQVLNVNQ^IAFPGP AGPSFN*STEDHSK.W	N266N290
369	DPP2_HUMAN	R.ALAGLVYN*ASGSEHCYDIYR.L	N315
370	DSG2_HUMAN	K.IN*ATDADEPNTLNSK.I	N182
371	E5RG56_HUM AN	R.YN*LSEVLQGK.L	N93
372	E5RIP4_HUMA N	R.GN*VTQHVQGHR.N	N77
373	E5RIP4_HUMA N	R.N*LSTCFSSGDLFTAHN^FSEQ^SR.I	N87
374	E5RIP4_HUMA N	K.ALLNHLDVGVGRGN*VTQHVQGHR. N	N77
375	E5RIP4_HUMA N	R.NLSTCFSSGDLFTAHN^FSEQ^SR.I	N102
376	E9PJC7_HUMA N	R.DYN*SSREDSLQDAWDYVQAQVK.C	N110

377	E9PJH8_HUMA N	R.SLSN*STAR.N	N120
378	E9PJL3_HUMA N	K.DLCGPDAGPIGN*ATGQADCK.A	N56
379	ECHA_HUMAN	K.STKPIVAAIN*GSCLGGGLEVAISCQY R.I	N142
380	EDEM3_HUMA N	K.LLPAFN*TTSGLPYPR.I	N195
381	EF1A1_HUMA N	R.KDGN*ASGTTLEALDCILPPTRPTDK PLR.L	N222
382	EF2_HUMAN	R.SNTGGQAFPQCVDHWQILPGDPFDN *SSRPSQVVAETR.K	N827
383	EFNA5_HUMA N	R.YAVYWN*SSNPR.F	N37
384	EGFR_HUMAN	K.DSLSIN*ATNIK.H	N352
385	EGFR_HUMAN	K.N*CTSISGDLHILPVAFR.G	N361
386	EGFR_HUMAN	K.VCN^GIGIGEFKDSLSIN*ATNIK.H	N352
387	EGFR_HUMAN	R.KVCN^GIGIGEFKDSLSIN*ATNIK.H	N352
388	EGFR_HUMAN	R.DIVSSDFLSN*MSM#DFQNHGSCQK. C	N175
389	EGFR_HUMAN	R.EFVENSECIQCHPECLPQAMN*ITCTG R.G	N568
390	EGFR_HUMAN	K.YADAGHVCHLCHPN*CTYGCTGPGLE GCPTN^GPK.I	N623
391	EGFR_HUMAN	K.RPAGSVQNPVYHNQPLNPAPSRDPHY QDPHSTAVGNPEYLN^TVQ^PTCVN*ST FDSPAHWAK.G	N1148
392	EGFR_HUMAN	K.RPAGSVQ^NPVYHNQPLNPAPSRDPH YQDPHSTAVGNPEYLN^TVQ^PTCVN*ST FDSPAHWAK.G	N1148
393	EGFR_HUMAN	R.DIVSSDFLSN*MSMDFQNHGSCQK.C	N175
394	EGFR_HUMAN	R.DIVSSDFLSN*M#SM#DFQNHGSCQK .C	N175
395	EGFR_HUMAN	R.EFVENSECIQCHPECLPQAM#N*ITCTG R.G	N568
396	EGFR_HUMAN	K.RPAGSVQNPVYHNQPLNPAPSRDPHY QDPHSTAVGNPEYLN^TVQ^PTCVN*STFD SPAHWAK.G	N1148
397	EGFR_HUMAN	K.RPAGSVQ^NPVYHNQPLNPAPSRDPH YQDPHSTAVGNPEYLN^TVQ^PTCVN*STF DSPAHWAK.G	N1148

398	ELAV1_HUMAN	.MSNGYEDHM#AEDCRGDIGRTNLIVNY LPQN*MTQDEL.R.S	N30
399	EMB_HUMAN	K.YVIN*GTYAN*ETK.L	N213N218
400	EMC1_HUMAN	R.FINYN*QTVSR.M	N913
401	EPHA2_HUMAN	R.TASVSIN*QTEPPKVR.L	N435
402	ERAP1_HUMAN	K.CFDAM#EVDALN*SSHPVSTPVENPA QIR.E	N414
403	ERBB2_HUMAN	R.GHCWGPPTQCVN*CSQFLR.G	N530
404	ERLN1_HUMAN	R.N*YTADYDKTLIFNK.I	N108
405	ERMP1_HUMAN	R.DSGIWIN^GFDYTGISHITPHIPEIN*DSI R.A	N730
406	ERO1A_HUMAN	K.WGHN*ITEFQQR.F	N280
407	F5GX30_HUMAN	R.LN*ETHIFN*GSNWIMLIYK.G	N107N113
408	F5GXJ9_HUMAN	K.KLGDCISEDSYPDGN*ITWYR.N	N116
409	F5GXJ9_HUMAN	K.IIISPEEN*VTLTCTAENQLER.T	N429
410	F5GXJ9_HUMAN	K.NAIKEGDN*ITLK.C	N214
411	F8VV56_HUMAN	K.NN*HTASILDR.M	N37
412	F8VV56_HUMAN	K.N^N*HTASILDR.M	N37
413	F8VV56_HUMAN	K.CCGAAN*YTDWEKIPSMK.N	N57
414	F8VV56_HUMAN	K.CCGAAN*YTDWEKIPSM#SK.N	N57
415	F8VV56_HUMAN	K.NRVPDSCCIN*VTVGCGINFNEK.A	N79
416	F8VV56_HUMAN	K.N^RVPDSCCIN*VTVGCGINFNEK.A	N79
417	F8VV56_HUMAN	R.QQM#ENYPKNN*HTASILDR.M	N37
418	F8VV56_HUMAN	R.QQM#ENYPKN^N*HTASILDR.M	N37

419	F8VV56_HUMAN	R.QQMENYPKNN*HTASILDR.M	N37
420	F8VZX2_HUMAN	K.AFAMIIDKLEEDISSSM#TN*STAASRPVTLR.L	N89
421	F8VZX2_HUMAN	K.AFAMIIDKLEEDISSSMTN*STAASRPPVTLR.L	N89
422	F8WCC9_HUMAN	R.VPDAAN*LSSAWRN*HTVPLR.L	N57N64
423	F8WCC9_HUMAN	R.VPDAAN*LSSAWR.N	N57
424	F8WEW3_HUMAN	K.YFN*YTVK.K	N63
425	FBN1_HUMAN	R.VLPVN*VTDYQCQLVR.Y	N448
426	FBN2_HUMAN	R.SYN*GTCENELPFN*VTKR.M	N1745N1756
427	FHL3_HUMAN	R.KYIQTDSGPYCVPCYDNTFAN*TCAECQQLIGHDSR.E	N38
428	FKB10_HUMAN	R.YHYN*GTFEDGK.K	N70
429	FKB10_HUMAN	R.YHYN*GTFEDGKK.F	N70
430	FKB10_HUMAN	R.TLSRPSETCN*ETTK.L	N393
431	FKB10_HUMAN	R.YHYN*GTLLDGTSFDTSYSK.G	N182
432	FKB10_HUMAN	R.YHYN*GSLMDGTLFDSSYSR.N	N294
433	FKB10_HUMAN	R.YHYN*GSLM#DGTLFDSSYSR.N	N294
434	FKB10_HUMAN	R.N*HTYNTYIGQGYIIPGMDQGLQGACM#GER.R	N310
435	FKB10_HUMAN	R.YHYN*CSLLDGTQLFTSHDYGAPQEATLGANK.V	N407
436	FKB10_HUMAN	R.YHYN*CSLLDGTQLFTSHDYGAPQEATLGANKVIEGLDTGLQGMCVGER.R	N407
437	FKB10_HUMAN	R.YHYN*CSLLDGTQLFTSHDYGAPQEATLGANKVIEGLDTGLQ^GMCVGER.R	N407
438	FKB10_HUMAN	R.YHYN*CSLLDGTQLFTSHDYGAPQ^EATLGAN^KVIEGLDTGLQGMCVGER.R	N407
439	FKB10_HUMAN	R.YHYN*CSLLDGTQ^LFTSHDYGAPQEATLGANKVIEGLDTGLQ^GMCVGER.R	N407
440	FKB10_HUMAN	R.YHYN*CSLLDGTQ^LFTSHDYGAPQE	N407

	N	ATLGAN^KVIEGLDTGLQ^GMCVGERR. Q	
441	FKB10_HUMAN	R.N*HTYNTYIGQGYIIPGMDQGLQGAC MGER.R	N310
442	FKB10_HUMAN	R.YHYN*CSLLDGTQ^LFTSHDYGAPQE ATLGANKVIEGLDTGLQGMCVGER.R	N407
443	FKB10_HUMAN	R.YHYN*CSLLDGTQLFTSHDYGAPQEA TLGANKVIEGLDTGLQGM#CVGER.R	N407
444	FKB10_HUMAN	R.N*HTYNTYIGQGYIIPGM#DQGLQGAC M#GER.R	N310
445	FKB10_HUMAN	R.YHYN*CSLLDGTQ^LFTSHDYGAPQE ATLGANK.V	N407
446	FKBP9_HUMAN	R.YHYN*GTLDDGTFLDSSYSR.N	N286
447	FKBP9_HUMAN	R.YHYN*GTFLDGTFLDSSHR.M	N174
448	FLNA_HUMAN	R.VGEPGHGGDPGLVSAYGAGLEGGVT GNPAEFVVN*TSNAGAGALSVTIDGPSK. V	N2453
449	FLNA_HUMAN	R.VGEPGHGGDPGLVSAYGAGLEGGVT GN^PAEFVVN*TSNAGAGALSVTIDGPS K.V	N2453
450	FLNA_HUMAN	R.VGEPGHGGDPGLVSAYGAGLEGGVT GNPAEFVVN*TSN^AGAGALSVTIDGPS K.V	N2453
451	FLNA_HUMAN	R.VGEPGHGGDPGLVSAYGAGLEGGVT GN^PAEFVVN*TSN^AGAGALSVTIDGPS K.V	N2453
452	FLNA_HUMAN	R.VGEPGHGGDPGLVSAYGAGLEGGVT GNPAEFVVN*TSNAGAGALSVTIDGPSK VK.M	N2453
453	FOLR1_HUMAN	K.VSN*YSR.G	N201
454	FOLR1_HUMAN	K.GWN*WTSGFNK.C	N161
455	FOLR1_HUMAN	R.KNACCSTN*TSQEAHK.D	N69
456	FOLR1_HUMAN	K.SNWHKGWN*WTSGFNK.C	N161
457	FOLR1_HUMAN	K.NACCSTN*TSQEAHKDVSYL.YR.F	N69

458	FOLR1_HUMA N	K.N*ACCSTN*TSQEAHKDVSYL ^R .F	N63N69
459	FOLR1_HUMA N	R.KNACCSTN*TSQEAHKDVSYL ^R .F	N69
460	FOLR1_HUMA N	R.KN*ACCSTN*TSQEAHKDVSYL ^R .F	N63N69
461	FOLR1_HUMA N	R.KNACCSTN*TSQ [^] EAHKDVSYL ^R .F	N69
462	FOLR1_HUMA N	K.N*ACCSTN ^T TSQ [^] EAHKDVSYL ^R .F	N63
463	FOLR1_HUMA N	R.KN*ACCSTN ^T TSQ [^] EAHKDVSYL ^R .F	N63
464	FOLR1_HUMA N	K.NACCSTN*TSQ [^] EAHKDVSYL ^R .F	N69
465	FOXJ3_HUMA N	R.SSLN*NSLSDQSLASVNLNSVGSVHSY TPVTSHPEVSQSLTPQQQPQYN [^] LPERD K.Q	N229
466	FPRP_HUMAN	R.AAVPKN*VSVAEGK.E	N286
467	FPRP_HUMAN	R.YSVLIM#AEKPVGDLSSPN*ETK.Y	N600
468	FPRP_HUMAN	R.EAATSLSNPIEIDFQTS ^G PIFN*ASVHSD TPSVIR.G	N691
469	FPRP_HUMAN	R.EAATSLSN [^] PIEIDFQTS ^G PIFN*ASVHS DTPSVIR.G	N691
470	FSTL1_HUMA N	K.GSN*YSEILD ^K YFK.N	N144
471	FSTL1_HUMA N	K.FVEQN*ETAIN*IT ^T YPDQEN ^N K.L	N175N180
472	FSTL1_HUMA N	K.FVEQNETAIN*IT ^T YPDQEN ^N [^] KLLR.G	N180
473	FSTL3_HUMA N	R.AECCASGNIDTAWSN*LTHPGNK.I	N73
474	FSTL3_HUMA N	R.AAPCPVPSSPGQELCGNN ^N *VTYISSC HMR.Q	N215
475	FUBP2_HUMA N	R.GRGGPPGQFHDNAN [^] GGQN*GTVQEI MIPAGK.A	N232
476	G0XQ39_HUM AN	R.LAVTN*TTM#TGTVLK.M	N171
477	G3P_HUMAN	K.IISN*ASCTTNCLAPLAK.V	N149
478	G3XAL9_HUM AN	R.DATGNVN*DTIVTEL ^T N*CTSAACK.L	N553N562
479	GALNS_HUMA	K.TGEAN*LTQIYLQEALDFIKR.Q	N204

	N		
480	GALT1_HUMAN		
	N	R.N*VTLPEIF.-	N552
481	GALT1_HUMAN		
	N	K.INQFNLMASEMIALN*R.S	N95
482	GDE1_HUMAN	R.EAVAECLELNHN*LTIFFDVK.G	N168
483	GILT_HUMAN	K.SNAPLVN*VTLYYEALCGGCR.A	N63
484	GNS_HUMAN	R.GASN*LTWR.S	N405
485	GNS_HUMAN	R.GPGIKPN*QTSK.M	N362
486	GNS_HUMAN	K.YYN*YTLSIN^GK.A	N183
487	GNS_HUMAN	K.TPMTN*SSIQFLDNAFR.K	N279
488	GNS_HUMAN	K.YPHNHHVVN*NTLEGN*CSSK.S	N111N117
489	GNS_HUMAN	R.ASILTGKYPHNHHVVN*N^TLEGNCSS K.S	N111
490	GNS_HUMAN	R.ASILTGKYPHNHHVVN*NTLEGN*CSS K.S	N111N117
491	GNS_HUMAN	R.ASILTGKYPHN^HHVVN*N^TLEGNCSS SK.S	N111
492	GNS_HUMAN	R.ASILTGKYPHNHHVVN*N^TLEGN*CSS SK.S	N111N117
493	GNS_HUMAN	R.ASILTGKYPHN^HHVVNN^TLEGN*CSS SK.S	N117
494	GNS_HUMAN	K.TPM#TN*SSIQFLDNAFR.K	N279
495	GNS_HUMAN	R.ASILTGKYPHN^HHVVNN^TLEGN*CSS K.S	N117
496	GOLI4_HUMAN	R.KPDPAEQQN*VTQVAHSPQGYNTAR. E	N257
497	GOLM1_HUMAN		
	N	K.AVLVNN*ITTGER.L	N109
498	GOLM1_HUMAN		
	N	R.LQQDVLQFQKN*QTNLER.K	N144
499	GPC1_HUMAN	R.SFDDHFQHLLN*DSER.T	N116
500	GPC1_HUMAN	R.ICPQGYTCCTSEM#EENLAN*R.S	N79
501	GRN_HUMAN	K.YGCCPM#PN*ATCCSDHLHCCPQ^DT VCDLIQSK.C	N236
502	GRN_HUMAN	K.YGCCPMPN*ATCCSDHLHCCPQDTVC DLIQSK.C	N236
503	GSLG1_HUMAN		
	N	R.GN*ITEYQCHQYITK.M	N210
504	GT251_HUMAN		
	N	R.TALWVATDHNM#DN*TSTVLR.E	N96

505	GT251_HUMAN	K.AM#N*TSQVEALGIQMLPGYRDPYHG RPLTK.G	N381
506	GT251_HUMAN	R.TALWVATDHNMDN*TSTVLR.E	N96
507	GT251_HUMAN	K.AMN*TSQVEALGIQMLPGYRDPYHGR PLTK.G	N381
508	GTR1_HUMAN	K.VIEEFYN*QTWVHR.Y	N45
509	H0Y2P0_HUMAN	K.AFN*STLPTMAQMEK.A	N17
510	H0Y2P0_HUMAN	K.AFN*STLPTMAQM#EK.A	N17
511	H0Y2P0_HUMAN	K.AFN*STLPTM#AQMEK.A	N17
512	H0Y2P0_HUMAN	K.AFN*STLPTM#AQM#EK.A	N17
513	H0Y4T7_HUMAN	K.AGVVN*GTGAPGQSPGAGR.A	N170
514	H0Y6N5_HUMAN	R.N*VTHHVSVTK.Q	N410
515	H0Y786_HUMAN	K.NALENYPNFRSVVDPPEIVLAKIN^SV N*Q^SDVK.Y	N849
516	H0Y997_HUMAN	R.N*ITGLEN*FTLK.I	N165N171
517	H0Y997_HUMAN	K.IFIFN*QTGIEAK.K	N277
518	H0Y997_HUMAN	K.VNCEERN*ITGLEN*FTLK.I	N165N171
519	H0Y9E3_HUMAN	K.ILFYNVVVEN^LDKPSSSELHSIPAPAN *STK.L	N98
520	H0YCL3_HUMAN	.SPAASN*SSDLFDLM#GSSQATM#TSSQ SM#N*FSM#MSTN^TVGLGLPMSR.S	N6N28
521	H0YFA9_HUMAN	R.GPGIKPN*QTSK.R	N182
522	H0YFA9_HUMAN	-.YYN*YTLSIN^GK.A	N3
523	H0YKH6_HUMAN	R.LWLPVN*LTWADLEDR.D	N19
524	H0YKJ9_HUMAN	K.TYN*GTNPDAASR.A	N38
525	H0YKJ9_HUMAN	R.ETASNCN*GSLAHPSDLYAEGCEALV	N94

	AN	VK.K	
526	H0YKJ9_HUM AN	R.QLHCCGIHN*YSDWENTDWFK.E	N63
527	H0YNA7_HUM AN	R.DMN*QTLGDN*ITVK.M	N107N113
528	H0YNA7_HUM AN	R.DM#N*QTLGDN*ITVK.M	N107N113
529	H0YNA7_HUM AN	K.GGAEAMLVVN*NSVLFPPSGN*RSEFP DVK.I	N74N84
530	H0YNF6_HUM AN	K.NFIIN*MTCR.F	N66
531	H0YNK6_HUM AN	R.TATVHLQALPAAPFN*ITVTK.L	N185
532	H12_HUMAN	K.ALAAAGYDVEKN*N^SR.I	N76
533	H3BUA1_HUM AN	R.YNISVIN*GTSPFAYDYDLTHIVAAYQ ^ER.N	N31
534	H7BYB7_HUM AN	R.LLN*CTAPGPDAAAR.C	N86
535	H7BZ97_HUM AN	R.LWN*STFLEEYSK.L	N125
536	H7BZ97_HUM AN	R.SRLWN*STFLEEYSK.L	N125
537	H7BZ97_HUM AN	K.YQTLN*CSVNVNCVNIR.C	N94
538	H7BZ97_HUM AN	R.KYQTLN*CSVNVNCVNIR.C	N94
539	H7C399_HUMA N	-.GLTLQ^HHM#GSADLN*ATFYGPVK.K	N14
540	H7C543_HUMA N	-.KLGDCISEDSYPDGN*ITWYR.N	N15
541	HEMO_HUMA N	R.SWPAVGN*CSSALR.W	N187
542	HEXB_HUMAN	K.M#TPNLLHLAPENFYISHSPN*STAGPS CTLLEEAFR.R	N84
543	HS2ST_HUMA N	K.YHVLHIN*TTK.N	N108
544	HSP13_HUMA N	R.N*STIEAANLAGLK.I	N184
545	HXA13_HUMA N	K.NM#EGAAAAAAAAAAAAAAAAAGAGGG GFPHPAAAAAGGNFSVAAAAAAAAAAAA AAN*QCR.N	N85

546	ICAM1_HUMAN	R.AN*LTVVLLR.G	N145
547	ICAM1_HUMAN	R.LNPTVTYGN*DSFSAK.A	N267
548	ICAM1_HUMAN	R.SFSCSATLEVAGQLIHKN*QTR.E	N385
549	IGS10_HUMAN	R.N*STVNIPLFR.R	N999
550	IGS10_HUMAN	R.VQVLPN*GTL SIQR.V	N1705
551	IGS10_HUMAN	R.TLN*LTDVIEELAQASTQTLK.S	N1416
552	IGSF3_HUMAN	R.VQGN*STLLHITDLQAR.D	N101
553	IKIP_HUMAN	R.ITEKQDILN*NSLT TLSQDITK.V	N144
554	IMB1_HUMAN	K.NYVLQTLGTETYRPSSASQCVAGIAC AEIPVNQWPELIPQLVANVTNPN*STEH MK.E	N141
555	IMB1_HUMAN	K.NYVLQTLGTETYRPSSASQCVAGIAC AEIPVNQWPELIPQLVANVTNPN*STEH M#K.E	N141
556	IMB1_HUMAN	K.NYVLQTLGTETYRPSSASQCVAGIAC AEIPVNQWPELIPQLVAN*VTN^PNSTEH M#K.E	N136
557	IMPA3_HUMAN	K.QVALQTFGN*QTTIIPAGGAGYK.V	N259
558	IPO5_HUMAN	R.N*TTAAEEAR.Q	N51
559	ITA1_HUMAN	R.N*TFNVESTK.K	N418
560	ITA1_HUMAN	K.SYFSSLN*LTIR.G	N1102
561	ITA1_HUMAN	R.YN*HTGQVIIYR.M	N460
562	ITA1_HUMAN	K.QTQVGIVQYGEN*VTHEFNLNK.Y	N217
563	ITA1_HUMAN	R.TIVHYSPNLVFSGIEAIQKDSCE SNHN* ITCK.V	N883
564	ITA2_HUMAN	K.TN*MSLGLILTR.N	N112
565	ITA2_HUMAN	R.TASCSN*VTCWLK.D	N1057
566	ITA2_HUMAN	K.LNLQSTSTSIPN*VTEM#K.T	N105
567	ITA2_HUMAN	K.TN*M#SLGLILTR.N	N112
568	ITA3_HUMAN	R.MN*ITVK.N	N107
569	ITA3_HUMAN	K.N*ITIVTGAPR.H	N265
570	ITA3_HUMAN	K.LLLSIN*VTNTR.T	N656
571	ITA3_HUMAN	R.KLLLSIN*VTNTR.T	N656
572	ITA3_HUMAN	R.VWN*STFIEDYR.D	N935
573	ITA3_HUMAN	R.VWN*STFIEDYRDFDR.V	N935
574	ITA3_HUMAN	R.VWN*STFIEDYRDFDRVR.V	N935
575	ITA3_HUMAN	R.AHCWLECPIDAPVVTN*VTVK.A	N926

576	ITA3_HUMAN	R.SLDAYPILNQAQALEN*HTEVQFQK.E	N605
577	ITA5_HUMAN	K.NLN*NSQSDVVSFR.L	N773
578	ITA5_HUMAN	R.VTGLN*CTTNHPINPK.G	N868
579	ITA5_HUMAN	K.GN*LTYGYVTILN*GSDIR.S	N297N307
580	ITA5_HUMAN	R.HPGN*FSSLSCDYFAVN*QSR.L	N712N724
581	ITA5_HUMAN	R.HPGN*FSSLSCDYFAVNQ^SR.L	N712
582	ITA5_HUMAN	K.NALN*LTFAQNVGEGGAYEAELR.V	N675
583	ITA5_HUMAN	R.TEKEPLSDPVGTCYLSTDN*FTR.I	N182
584	ITA5_HUMAN	K.LSPIHIALN*FSLDPQAPVDSHGLRPAL HYQ^SK.S	N609
585	ITA5_HUMAN	R.DKLSPIHIALN*FSLDPQAPVDSHGLRP ALHYQSK.S	N609
586	ITAV_HUMAN	R.SPSHKN*MTISR.G	N554
587	ITAV_HUMAN	R.LSCAFKTEN*QTR.Q	N704
588	ITAV_HUMAN	K.AN*TTQPGIVEGGQVLK.C	N74
589	ITAV_HUMAN	K.ISSLQTTEKN*DTVAGQGER.D	N874
590	ITAV_HUMAN	R.TAADTTGLQPILNQFTPAN*ISR.Q	N615
591	ITAV_HUMAN	R.ARPVITVNAGLEVYPSILNQDN*K.T	N488
592	ITAV_HUMAN	R.ARPVITVNAGLEVYPSILNQDN*KTCS LPGTALK.V	N488
593	ITAV_HUMAN	R.ARPVITVN^AGLEVYPSILNQDN*KTC SLPGTALK.V	N488
594	ITB1_HUMAN	K.N^GVN*GTGEN^GRK.C	N406
595	ITB1_HUMAN	K.CHEGN*GTFECGACR.C	N481
596	ITB1_HUMAN	K.DTCTQECSYFN*ITK.V	N669
597	ITB1_HUMAN	K.KDTCTQECSYFN*ITK.V	N669
598	ITB1_HUMAN	R.NPCTSEQN*CTSPFSYK.N	N212
599	ITB1_HUMAN	K.LRNPCTSEQN*CTSPFSYK.N	N212
600	ITB1_HUMAN	K.DTCTQECSYFN*ITKVESR.D	N669
601	ITB1_HUMAN	K.KDTCTQECSYFN*ITKVESR.D	N669
602	ITB1_HUMAN	R.KEN*SSEICSNNGECVCGQCVC.R.K	N520
603	ITB5_HUMAN	K.SN*LTVLR.E	N705
604	ITB5_HUMAN	K.FN*KSYNGTVD.-	N791
605	ITPR2_HUMAN	K.SSNYENGEIGESQVKGGEPIEESNILS PVQ^DGTKKPQ^IDSN*K.S	N1174
606	J3KN66_HUMAN	K.HLN*SSHPR.S	N415
607	J3KRX0_HUMAN	R.DLQAPLQSFSCSN*SSIILSPAVHLDL LSLR.L	N81
608	J3KS10_HUMAN	K.AN*GTTVHVGIHPSK.L	N35

609	K4DIA7_HUMAN	R.YHQPGHEAVTSAVDQLQQEFHCCGS N*NSQDWR.D	N159
610	K4DIA7_HUMAN	K.RYHQPGHEAVTSAVDQLQQEFHCCG SN*NSQDWR.D	N159
611	K4DIA7_HUMAN	K.RYHQPGHEAVTSAVDQLQQEFHCCG SN*N^SQDWR.D	N159
612	K4DIA7_HUMAN	R.YHQPGHEAVTSAVDQLQQ^EFHCCGS N*NSQDWR.D	N159
613	K4DIA7_HUMAN	R.YHQPGHEAVTSAVDQLQQEFHCCGS N*N^SQDWR.D	N159
614	KIF1C_HUMAN	K.LQ^N*SSKDR.E	N851
615	KIRR1_HUMAN	K.VGSTN*VSTLVNVHFAPR.I	N297
616	KIRR1_HUMAN	R.IDGGPVILLQAGTPHN*LTCR.A	N140
617	L1CAM_HUMAN	R.GYN*VTYWR.E	N849
618	L1CAM_HUMAN	K.VPGN*QTSTTLK.L	N671
619	L1CAM_HUMAN	R.FFPYAN*GTLGIR.D	N479
620	L1CAM_HUMAN	R.THN*LTDLSPHLR.Y	N979
621	L1CAM_HUMAN	K.WYSLGKVPGN*QTSTTLK.L	N671
622	L1CAM_HUMAN	R.LVIHSLDYSQGN*YSCVASTELDVVE SR.A	N588
623	L1CAM_HUMAN	R.LLFPTN*SSSHLVALQGQPLVLECIAE GFPTPTIK.W	N247
624	L1CAM_HUMAN	R.VTMGQN^GNLYFANVLTS DN*HSDYI CHAHFPGTR.T	N203
625	L1CAM_HUMAN	R.VTMGQNGNLYFAN^VLTS DN*HSDYI CHAHFPGTR.T	N203
626	L1CAM_HUMAN	R.GSGPASEFTFSTPEGVPGHPEALHLEC QSN*TSLLLR.W	N931
627	L1CAM_HUMAN	K.VQAVNSQKGPEPQVTIGYSGEDYPQ ^AIPELEGIEILN*SSAVLVK.W	N825
628	L1CAM_HUMAN	R.VTYQNHN*K.T	N294
629	L1CAM_HUMAN	R.LVIHSLDYSQ^GN*YSCVASTELDVV	N588

	N	ESR.A	
630	L1CAM_HUMA N	R.EGGTM#ALSGISDFGN*ISATAGEN*Y SVVSWVPK.E	N1022N1030
631	L1CAM_HUMA N	R.VTM#GQNGNLYFAN^VLTS DN*HSDY ICHAHFPGTR.T	N203
632	L1CAM_HUMA N	R.GSGPASEFTFSTPEGVPGHPEALHLEC Q^SN*TSLLLR.W	N931
633	L1CAM_HUMA N	R.GPWQEQIVSDPFLVVS N*TSTFVPYEI K.V	N777
634	L1CAM_HUMA N	R.VTMGQN^GN^LYFANVLTS DN*HSDY ICHAHFPGTR.T	N203
635	LAMA5_HUMA N	R.AQQLLAN*STALEEAMLQEQR.L	N2568
636	LAMA5_HUMA N	R.TLSELMSTGHLGLAN*ASAPSGEQLL R.T	N2303
637	LAMA5_HUMA N	K.LVGGPVAGGDPN*QTIR.G	N95
638	LAMA5_HUMA N	R.TLSELM#SQTGHLGLAN*ASAPSGEQL LR.T	N2303
639	LAMA5_HUMA N	R.VFDLQQNLGSVN*VSTGCAPALQAQT PGLGPR.G	N3287
640	LAMC1_HUMA N	K.LLNN*LTSIK.I	N650
641	LAMC1_HUMA N	R.VN*NTLSSQISR.L	N1107
642	LAMC1_HUMA N	R.IASAVQKN*ATSTK.A	N1439
643	LAMC1_HUMA N	R.VNDN*KTAAEEALR.K	N1380
644	LAMC1_HUMA N	R.KIPAIN*QTITEANEK.T	N1395
645	LAMC1_HUMA N	K.VAAAN*VSVTQPESTGDPNN*MTLLA EEAR.K	N1161N1175
646	LAMC1_HUMA N	K.VAAANVSVTQPESTGDPN^N*M#TLL AEEARK.L	N1175
647	LAMC1_HUMA N	K.VAAAN*VSVTQ^PESTGDPNN*M#TLL AEEARK.L	N1161N1175
648	LAMC1_HUMA N	K.AKVAAAN*VSVTQPESTGDPNN*M#T LLAEEAR.K	N1161N1175
649	LAMC1_HUMA N	R.RVNDN*KTAAEEALR.K	N1380

650	LAMP1_HUMAN	R.LLNINPN*K.T	N261
651	LAMP1_HUMAN	R.GHTLTLN*FTR.N	N103
652	LAMP1_HUMAN	K.N*MTFDLPSDATVVVLN*R.S	N62N76
653	LAMP1_HUMAN	K.N*M#TFDLPSDATVVVLN*R.S	N62N76
654	LAMP1_HUMAN	R.SSCGKEN*TSDPSLVIAFGR.G	N84
655	LAMP1_HUMAN	K.SGPKN*MTFDLPSDATVVVLNR.S	N62
656	LAMP1_HUMAN	K.SGPKN*MTFDLPSDATVVVLN*R.S	N62N76
657	LAMP1_HUMAN	K.SGPKN*M#TFDLPSDATVVVLNR.S	N62
658	LAMP1_HUMAN	K.SGPKN*M#TFDLPSDATVVVLN*R.S	N62N76
659	LAMP1_HUMAN	R.YSVQLMSFVYN*LSDTHLFPN*ASSK. E	N121N130
660	LAMP1_HUMAN	R.YSVQLM#SFVYN*LSDTHLFPN*ASSK. E	N121N130
661	LAMP1_HUMAN	K.SPSVDKYNVSGTNGTCLLASMGLQ^LN* LTYER.K	N241
662	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASMGLQ LN*LTyer.K	N223N228N241
663	LAMP1_HUMAN	K.SPSVDKYNVSGTN*GTCLLASMGLQ^LN* LTYER.K	N228N241
664	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASMGLQ ^LN*LTyer.K	N223N228N241
665	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASM#GL QLN*LTyer.K	N223N228N241
666	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASM#GL Q^LN*LTyer.K	N223N228N241
667	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASMGLQ LN*LTyerK.D	N223N228N241
668	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASMGLQ ^LN*LTyerK.D	N223N228N241
669	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASM#GL Q^LNLTYERK.D	N223N228
670	LAMP1_HUMAN	K.SPSVDKYN*VSGTN*GTCLLASM#GL	N223N228N241

	N	QLN*LTYERK.D	
671	LAMP1_HUMA	R.CVSGTQVHMNNVTVTLHDATIQAAYLS	
	N	N*SSFSR.G	N181
672	LAMP1_HUMA	R.CVSGTQVHMNNVTVTLHDATIQA^AYL	
	N	SN*SSFSR.G	N181
673	LAMP1_HUMA	R.CVSGTQVHMNN*VTVTLHDATIQAAYL	
	N	SN*SSFSR.G	N165N181
674	LAMP1_HUMA	R.CVSGTQVHM#NN*VTVTLHDATIQAAY	
	N	LSN*SSFSR.G	N165N181
675	LAMP1_HUMA	R.CVSGTQVHM#NN*VTVTLHDATIQA^A	
	N	YLSN*SSFSR.G	N165N181
676	LAMP1_HUMA	K.DN*TTVTR.L	N249
	N		
677	LAMP1_HUMA	K.EN*TSDPSLVIAFGR.G	N84
	N		
678	LAMP1_HUMA	K.SPSVDKYN*VSGTNGTCLLASMGLQ^	
	N	LN*LTYERK.D	N223N241
679	LAMP1_HUMA	K.SPSVDKYN*VSGTNGTCLLASM#GLQ	
	N	^LN*LTYERK.D	N223N241
680	LAMP1_HUMA	K.N*MTFDLPSDATVVVLR.S	N62
	N		
681	LAMP1_HUMA	K.SPSVDKYN*VSGTNGTCLLASMGLQ^	
	N	LN*LTYERK	N223N241
682	LAMP1_HUMA	K.SPSVDKYNVSGTN*GTCLLASMGLQ^	
	N	LN*LTYERK.D	N228N241
683	LAMP2_HUMA	K.WQMN*FTVR.Y	N49
	N		
684	LAMP2_HUMA	K.WQM#N*FTVR.Y	N49
	N		
685	LAMP2_HUMA	R.YETTN*KTYK.T	N58
	N		
686	LAMP2_HUMA	K.IAVQFGPGFSWIAN*FTK.A	N101
	N		
687	LAMP2_HUMA	K.VASVININPN*TTHSTGSCR.S	N257
	N	K.EKPEAGTYSVN^NGNDTCLLATMGLQ	
688	LAMP2_HUMA	LNITQDKVASVIN^IN^PN*TTHSTGSCR.	
	N	S	N257
	N	K.EKPEAGTYSVN^NGNDTCLLATMGLQ	
689	LAMP2_HUMA	LNITQ^DKVASVIN^IN^PN*TTHSTGSCR.	
	N	S	N226

690	LAMP2_HUMAN	K.EKPEAGTYSVN^N^GNDTCLLATMGL QLNITQ^DKVASVIN^IN^PN*TTHSTGSC R.S	N226
691	LAMP2_HUMAN	K.EKPEAGTYSVNNNGNDTCLLATM#GLQ LNITQDKVASVIN^IN^PN*TTHSTGSCR. S	N257
692	LAMP2_HUMAN	K.EKPEAGTYSVN^N^GNDTCLLATM#GL QLNITQ^DKVASVIN^IN^PN*TTHSTGSC R.S	N226
693	LAMP2_HUMAN	K.EKPEAGTYSVN^N^GN*DTCLLATM# GLQ^LNITQDKVASVININ^PN*TTHSTGS CR.S	N229N240
694	LAMP2_HUMAN	K.EKPEAGTYSVN^N^GN*DTCLLATM# GLQ^LNITQDKVASVIN^IN^PN*TTHSTG SCR.S	N229N240
695	LAMP2_HUMAN	R.LN*SSTIK.Y	N275
696	LAT1_HUMAN	K.SADGSAPAGEGEGVTLQRN*ITLLN^G VAIIVGTIIGSGIFVTPTGVLK.E	N49
697	LCAP_HUMAN	R.SALLEFACTHNLGN*CSTTAMK.L	N834
698	LCAP_HUMAN	R.SALLEFACTHNLGN*CSTTAM#K.L	N834
699	LEG1_HUMAN	K.DSNN*LCLHFNPR.F	N41
700	LG3BP_HUMAN	R.DAGVVCTN*ETR.S	N125
701	LG3BP_HUMAN	K.AAIPSALDTN*SSK.S	N551
702	LG3BP_HUMAN	R.ALGFEN*ATQALGR.A	N69
703	LG3BP_HUMAN	K.GLN*LTEDTYKPR.I	N398
704	LG3BP_HUMAN	R.TVIRPFYLTN*SSGVD.-	N580
705	LG3BP_HUMAN	R.YKGLN*LTEDTYKPR.I	N398
706	LGMN_HUMAN	K.SHTN*TSHVM#QYGN*K.T	N263N272
707	LIMA1_HUMAN	K.ELSLVN^KN*K.S	N29
708	LIPL_HUMAN	R.TPEDTAEDTCHLIPGVAESVATCHFN* HSSK.T	N70
709	LMAN2_HUMAN	R.VFPYISVMVNN*GSLSYDHDKDGR.W	N183

	N		
710	LMAN2_HUMA		
	N	R.VFPYISVM#VNN*GSLSYDHSKDGR.W	N183
711	LRP1_HUMAN	R.FGTCSQLCN*NTK.G	N3839
712	LRP1_HUMAN	R.VNRFN*STEYQVVTR.V	N446
713	LRP1_HUMAN	R.AFIN*GTGVETVVSADLPNAHGLAVD WVSR.N	N1645
714	LRRF2_HUMA		
	N	R.NSASATPLSGN*SSR.R	N322
715	LUZP1_HUMA		
	N	R.GHVLGN*GSQVTQAANS GCSK.A	N548
716	LY6K_HUMAN	R.YCNLEGPIN*SSVFK.E	N129
717	LYAG_HUMA		
	N	R.GVFITN*ETGQPLIGK.V	N470
718	M0QYR6_HUM		
	AN	K.GN*STHGCSSEETFLIDCR.G	N197
719	M0QYR6_HUM	R.GCGYLPGCPGSGNFHN^N*DTFHFLK.	
	AN	C	N159
720	M0QYV1_HUM		
	AN	K.TNALN*VSQ^KM#IEMFVRTK.H	N59
721	M0QZG6_HUM		
	AN	R.WWHQQTN*ATQEVVR.D	N142
722	MET_HUMAN	R.FINFFVGNTIN*SSYFPDHPLHSISVR.R	N202
723	MET_HUMAN	K.AN*LSGGVWK.D	N106
724	MET_HUMAN	R.N*FTVACQHR.S	N785
725	MET_HUMAN	R.MVINVHEAGR N*FTVACQHR.S	N785
726	MINP1_HUMA		
	N	K.FLTEVEKN*ATALYHVEAFK.T	N242
727	MPRD_HUMA		
	N	R.LKPLFN*K.S	N57
728	MPRD_HUMA		
	N	R.EAGN*HTSGAGLVQINK.S	N83
729	MPRD_HUMA		
	N	R.LN*ETHIFNGSN^WIMLIYK.G	N107
730	MPRD_HUMA		
	N	R.LN*ETHIFN*GSNWIM#LIYK.G	N107N113
731	MPRI_HUMAN	K.MN*FTGGDTCHK.V	N1312
732	MPRI_HUMAN	R.MSVINFE CN*KTAGNDGK.G	N435
733	MPRI_HUMAN	K.TN*ITLVCKPGDLESAPVLR.T	N581
734	MPRI_HUMAN	K.GYPCGGN*KTASSVIELTCTK.T	N2085
735	MPRI_HUMAN	R.SLLEFN*TTVSCDQQGTNHR.V	N112

736	MPRI_HUMAN	K.IKTN*ITLVCKPGDLESAPVLR.T	N581
737	MPRI_HUMAN	R.AACAVKQPQEVQMVN*GTITNPIN^GK. S	N2136
738	MPRI_HUMAN	R.DPNSGFVFNLN^PLNSSQGYN*VSGIG K.I	N957
739	MPRI_HUMAN	K.TGPVVEDSGSLLLEYVN*GSACTTSD GR.Q	N871
740	MPRI_HUMAN	K.M#N*FTGGDTCHK.V	N1312
741	MPRI_HUMAN	R.M#SVINFECN*KTAGNDGK.G	N435
742	MPRI_HUMAN	R.N*GSSIVDLSPLIHR.T	N1656
743	MPZL1_HUMA N	K.EIFVAN*GTQGK.L	N50
744	MRC2_HUMAN	R.TSN*ISKPGTLER.G	N140
745	MRC2_HUMAN	R.WNDSPCN*QSLPSICK.K	N497
746	MRC2_HUMAN	R.WNDSPCN*QSLPSICKK.A	N497
747	MRC2_HUMAN	R.N*ASLAYVPDPYTQAFLTQAAR.G	N1157
748	MRC2_HUMAN	K.GTDPSLSPSPAALPPAPGTELSYLN*GT FR.L	N1134
749	MSLN_HUMA N	R.KWN*VTSLETLK.A	N388
750	MSLN_HUMA N	R.LAFQNM#N*GSEYFVK.I	N496
751	MSLN_HUMA N	R.LAFQNMN*GSEYFVK.I	N496
752	MUC16_HUMA N	R.KFN*TTER.V	N12414
753	MUC16_HUMA N	K.N*TSVGPLYSGCR.L	N12272
754	MUC16_HUMA N	R.N*GTQLQN*FTLDR.S	N14417N14423
755	MUC16_HUMA N	R.KFN*ITESVLQGLLKPLFK.S	N13193
756	MUC16_HUMA N	R.VLQGLLGPLFKN*SSVGPLYSGCR.L	N13053
757	MUC16_HUMA N	R.VLQGLLGPIFKN*TSVGPLYSGCR.L	N12430
758	MUC16_HUMA N	R.VLQSLGPMFKN*TSVGPLYSGCR.L	N12741
759	MUC16_HUMA N	R.VLQSLGPM#FKN*TSVGPLYSGCR.L	N12741
760	MUC16_HUMA	R.VLQGLLRPVFKN*TSVGPLYSGCR.L	N13521

	N		
761	MUC16_HUMAN	R.GM#THSEQ^RTSPSLSPQ^VN*GTPSRN ^YPATSM#VSGLSSPR.T	N110
762	MUC16_HUMAN	R.VLQGLLRPLFKN*TSVGPLYSGCR.L	N13832
763	MUC18_HUMAN	K.CGLSQSQGN*LSHVDWFSVHK.E	N56
764	MUC18_HUMAN	R.CVASVPSIPGLN*R.T	N418
765	MYCT_HUMAN	R.ITFKPIAPSGQN*ATCTR.Y	N433
766	NEGR1_HUMAN	K.GAWLN*R.S	N73
767	NEGR1_HUMAN	R.SILTVTN*VTQEHFGN*YTCVAANK.L	N286N294
768	NEGR1_HUMAN	R.SILTVTNVTQEHFGN*YTCVAAN^K.L	N294
769	NICA_HUMAN	K.IYIPLN*K.T	N45
770	NICA_HUMAN	R.KIYIPLN*K.T	N45
771	NICA_HUMAN	K.AN*N^SWFQSILR.Q	N530
772	NICA_HUMAN	R.ARN*ISGVVLADHSGAFHNK.Y	N435
773	NICA_HUMAN	R.TSLELWM#HTDPVSQKN*ESVR.N	N387
774	NICA_HUMAN	R.ALYELAGGTN*FSDTVQADPQTVTR.L	N506
775	NICA_HUMAN	R.ALYELAGGTN*FSDTVQ^ADPQTVTR. L	N506
776	NICA_HUMAN	R.SYLGDGPLQ^HYIAVSSPTN*TTYVVQ YALAN*LTGTVVN*LTR.E	N562N573N580
777	NICA_HUMAN	R.TSLELWMHTDPVSQKN*ESVR.N	N387
778	NICA_HUMAN	R.SYLGDGPLQHYIAVSSPTNTTYVVQ^Y ALAN*LTGTVVN*LTR.E	N573N580
779	NOTC2_HUMAN	R.DGYEPCVNEGM#CVTYHN*GTGYCK. C	N46
780	NPC1_HUMAN	K.NYKNPN*LTISFTAER.S	N598
781	NPC1_HUMAN	R.VDN*ITDQFCN*ASVVDPAVCR.C	N961N968
782	NPC1_HUMAN	R.VDNITDQ^FCN*ASVVDPAVCR.C	N968
783	NPC1_HUMAN	K.GQ^NM#VCGGM#GCNNDSLVQQIFNA AQLDN*YTR.I	N931
784	NPC1_HUMAN	K.GQ^NM#VCGGM#GCNNDSLVQQIFNA AQ^LDN*YTR.I	N931
785	NPTN_HUMAN	K.AN*ATIEVK.A	N229
786	NPTN_HUMAN	R.KN*ASNMEYR.I	N197

787	NPTN_HUMAN	R.KKEN^GM#PMDIVN*TSGR.F	N284
788	NPTN_HUMAN	R.KN*ASN#EYR.I	N197
789	NPTN_HUMAN	R.KKEN^GM#PM#DIVN*TSGR.F	N284
790	NPTX1_HUMAN	R.LN*SSSQTNSLK.D	N154
791	NRP1_HUMAN	K.RGPECSQN*YTTPSGVIK.S	N150
792	OSMR_HUMAN	K.NVGPN*TTSTVISTDAFRPGVR.Y	N580
793	OSTM1_HUMAN	R.AAGN*TSESQSCAR.S	N135
794	OSTM1_HUMAN	R.ELLLDFAN*SSAELTGCLVR.S	N93
795	P3H1_HUMAN	K.LLN*GSQR.V	N467
796	P3H1_HUMAN	K.VPLQSAHLYYN*VTEK.V	N540
797	P3H1_HUMAN	K.LGQEGKVPLQSAHLYYN*VTEK.V	N540
798	P3H2_HUMAN	R.EGGPLYEN*ITFVYNSEQLN*GTQR.V	N449N460
799	P4HA1_HUMAN	K.DMSDGFISN*LTIQR.Q	N113
800	P4HA2_HUMAN	K.RLNTDWPALDVLQDSAAGFIAN*L SVQR.Q	N115
801	P4HA2_HUMAN	K.TLTN*Q^TEAELATPEGIYERPVDYLPE R.D	N264
802	P4HTM_HUMAN	K.LVAN*ESVPFETSCR.Y	N348
803	PBIP1_HUMAN	K.LQGLENWGQDPGVSAN*ASK.A	N455
804	PCFT_HUMAN	R.FSADLGYN*GTR.Q	N58
805	PCYOX_HUMAN	K.LLHALGGDDFLGMLN*R.T	N196
806	PCYOX_HUMAN	K.LLHALGGDDFLGM#LN*R.T	N196
807	PDIA3_HUMAN	K.VDCTANTN*TCNK.Y	N90
808	PDS5B_HUMAN	R.WLLGMKNN*HSK.S	N842
809	PDXL2_HUMAN	R.SLEEIGIQN*YSTTSSCQAR.A	N480
810	PDXL2_HUMAN	R.RSLEEIGIQN*YSTTSSCQAR.A	N480
811	PGBM_HUMAN	R.SLTQGSIVGDLAPVN*GTSQGK.F	N3780
812	PGBM_HUMAN	R.ACTEAEFACHSYN*ECVALEYR.C	N210

	N		
813	PGBM_HUMA N	R.IQGEEIVFHDLN*LTAHGISHCPTCR.D	N3836
814	PGBM_HUMA N	R.NLHQSN*TSR.A	N1755
815	PGBM_HUMA N	R.ALVN*FTR.S	N89
816	PGBM_HUMA N	R.NLHQSN*TSRAELLVTEAPSKPITVTV EEQR.S	N1755
817	PGLT1_HUMA N	K.FLSYN*VTR.R	N373
818	PGLT1_HUMA N	R.SLENYEPCSSQ^N*CSCYHGVIEEDLTP FR.G	N53
819	PGLT1_HUMA N	R.SLENYEPCSSQN*CSCYHGVIEEDLTPF R.G	N53
820	PIGS_HUMAN	K.TYN*ASVLPVRVEVDMVR.V	N370
821	PIN1_HUMAN	R.VYYFNHITN*ASQWERPSGNSSSGGK NGQGEPAR.V	N30
822	PIN1_HUMAN	R.VYYFNHITN*ASQWERPSGNSSSGGK NGQ^GEPAR.V	N30
823	PLGT2_HUMA N	K.N*STAVWR.G	N302
824	PLGT3_HUMA N	R.YFYLQAVNSEGQN*LTR.S	N61
825	PLGT3_HUMA N	R.KVN*GTPSPIIISWCGSLDSR.D	N251
826	PLGT3_HUMA N	R.GVTNDLLSIQGNTGPSWIN*KTER.A	N306
827	PLOD1_HUMA N	R.YN*CSIR.A	N686
828	PLOD1_HUMA N	R.EQIN*ITLDHR.C	N197
829	PLOD1_HUMA N	R.FLGSGGFIGYAPN*LSK.L	N163
830	PLOD1_HUMA N	K.YIHQN*YTK.A	N538
831	PLOD2_HUMA N	K.YFN*YTVK.V	N63
832	PLOD2_HUMA N	R.YN*CSIESPR.K	N696
833	PLOD2_HUMA	R.EAIN*ITLDHK.C	N209

	N		
834	PLOD2_HUMA		
	N	R.LTHLHEGLPVKN*GTR.Y	N725
835	PLOD3_HUMA		
	N	R.SAEFFN*YTVR.T	N63
836	PLOD3_HUMA	R.YDTEHLHPDLWQ^IFDNPVDWKEQ^Y	N548
	N	IHEN*YSR.A	
837	PLXB2_HUMA		
	N	R.ALSN*ISLR.L	N127
838	PLXB2_HUMA		
	N	K.LHVTLYN*CSFGR.S	N759
839	PLXB2_HUMA		
	N	K.SCVAVTSAQPQN*M#SR.R	N528
840	PLXB2_HUMA		
	N	K.LSHDAN*ETLPLHLYVK.S	N733
841	PLXB2_HUMA		
	N	R.TEAGAFEYVPDPTFEN*FTGGVK.K	N1099
842	PLXB2_HUMA		
	N	R.TEAGAFEYVPDPTFEN*FTGGVKK.Q	N1099
843	PLXB2_HUMA	R.GGLN*LTAVTVAAEN^NHTVAFLGTS	
	N	DGR.I	N391
844	PLXB2_HUMA	R.GGLN*LTAVTVAAENN*HTVAFLGTS	
	N	DGR.I	N391N402
845	PLXD1_HUMA	K.VLN*STLITCSPGALSN*ASAPVDFFI	
	N	N^GR.A	N1118N1132
846	PO210_HUMA		
	N	K.GPTN*NTCVVR.T	N1441
847	PO210_HUMA		
	N	R.VN*FTLEASEGCYR.W	N44
848	PO210_HUMA		
	N	R.EGSGYFFLN*TSTADVVK.V	N926
849	PO210_HUMA		
	N	R.ATRVN*FTLEASEGCYR.W	N44
850	PO210_HUMA		
	N	R.IREGSGYFFLN*TSTADVVK.V	N926
851	PO210_HUMA		
	N	R.IETVLPAEFFEVLSQQN*GSYHR.I	N405
852	PO210_HUMA		
	N	R.DDFVQIGKGPTN*NTCVVR.T	N1441
853	PO210_HUMA		
	N	R.LPN*STIYVVEPGYLGFTVHPGDR.W	N337

854	PODXL_HUMAN	K.QLVLN*LTGNTLCAGGASDEK.L	N360
855	PODXL_HUMAN	K.QLVLN*LTGNTLCAGGASDEKLISLIC	N360
856	PPBT_HUMAN	R.SRCN*TTQGNEVTSILR.W	N140
857	PPIA_HUMAN	K.HTGPGILSMANAGPNTN*GSQFFICTA	N108
858	PPIA_HUMAN	K.HTGPGILSMAN^AGPNTN*GSQFFICT	N108
859	PPIA_HUMAN	K.HTGPGILSMANAGPN^TN*GSQFFICT	N108
860	PPIA_HUMAN	K.HTGPGILSM#ANAGPNTN*GSQFFICT	N108
861	PPIA_HUMAN	K.HTGPGILSM#ANAGPN^TN*GSQFFICT	N108
862	PPIC_HUMAN	K.VIDGMTVVHSIELQATDGHDRPLTN*	N190
863	PPIC_HUMAN	K.VIDGM#TVVHSIELQATDGHDRPLTN*	N190
864	PPIC_HUMAN	K.VIDGM#TVVHSIELQ^ATDGHDRPLTN*	N190
865	PPIC_HUMAN	K.VIDGMTVVHSIELQATDGHDRPLTN*	N190
866	PROF1_HUMAN	CSIIN^SGK.I	
867	PRS8_HUMAN	K.STGGAPTFN*VTVTK.T	N100
868	PTK7_HUMAN	R.KM#N*LTR.G	N337
869	PTK7_HUMAN	R.SAN*ASFNIK.W	N116
870	PTPRF_HUMAN	R.RQDVN*ITVATVPSWLK.K	N405
871	PTPRK_HUMAN	R.KVEVEPLN*STAVHVVYWK.L	N721
872	PXDC2_HUMAN	R.IAVDWESLGYN*ITR.C	N416
873	PXDN_HUMAN	R.VN*LSFDFPFYGHFLR.E	N160
874	PXDN_HUMAN	R.ILCDNADN*ITR.V	N1280
875	Q5TB19_HUMAN	R.VYCN*LSAAHTFEDLKNEIKNPEIR.E	N1178
876	Q69YM1_HUMAN	R.KLELSDNIISGGLEVLAEKCPN*LTYL	N89N94
877	QCR2_HUMAN	N*LSGNK.I	
		K.M#LSAFN*ATSGK.A	N13
		K.ATAAPAGAPPQ^PQDLEFTKLPNGLVI	N54

		ASLEN*YSPVSR.I	
878	QCR2_HUMAN	K.ATAAPAGAPPQPQDLEFTKLPNGLVIA SLEN*YSPVSR.I	N54
879	QCR2_HUMAN	K.ATAAPAGAPPQPQ^DLEFTKLPNGLVI ASLEN*YSPVSR.I	N54
880	QCR2_HUMAN	K.ATAAPAGAPPQPQDLEFTKLPN^GLVI ASLEN*YSPVSR.I	N54
881	RAE1L_HUMAN	R.SN*GTNTSAPQ^DIYAVNGIAFHPVHG TLATVGS DGR.F	N263
882	RAE1L_HUMAN	R.SNGTN*TSAPQDIYAVN^GIAFHPVHG TLATVGS DGR.F	N266
883	RAE1L_HUMAN	R.SN*GTNTSAPQDIYAVN^GIAFHPVHG TLATVGS DGR.F	N263
884	RAI14_HUMAN	K.LM#QLTN*VSRAKAEDALSEMK.S	N689
885	RAI14_HUMAN	R.RAELVCLN*NTEISENSSDLSQK.L	N470
886	RCC2_HUMAN	K.AAAAAWEEPSSGN*GTAR.A	N18
887	RCN1_HUMAN	R.VVRPDELGERPPEDN*QSFQYDHEAF LGK.E	N53
888	RCN1_HUMAN	R.VVRPDELGERPPEDN*Q^SFQYDHEA FLGK.E	N53
889	RCN1_HUMAN	R.VVRPDELGERPPEDN*Q^SFQYDHEA FLGKEDSK.T	N53
890	RFA1_HUMAN	K.IGNPVPYNEGLGQPQVAPPAPAASPA ASSRPQPQ^N*GSSGM#GSTVSK.A	N146
891	RIF1_HUMAN	R.KTSTECASSTENSFVSSSSVSN*TTVA GTPPYPTSR.R	N1204
892	RL26_HUMAN	K.AN*GTTVHVGIHPK.V	N91
893	RL4_HUMAN	R.SGQGAFGN*M#CR.G	N94
894	RPN2_HUMAN	R.SNLDPSNVDSL FYAAQASQALSGCEIS ISN*ETK.D	N106
895	RS7_HUMAN	R.ELN*ITA AK.E	N44
896	S39A6_HUMAN	R.KTN*ESVSEPR.K	N241
897	S39A6_HUMAN	R.NTNENPQECFN*ASK.L	N266
898	S39A6_HUMAN	K.LLTSHGMGIQVPLN*ATEFN YLCPAII NQIDAR.S	N283
899	S39A6_HUMAN	K.LLTSHGM#GIQVPLN*ATEFN YLCPAII NQIDAR.S	N283
900	S39AA_HUMAN	R.KDLNEDDHHHECLN*VTQLLK.Y	N339

901	SAP_HUMAN	K.TCDWLPKPN*MSASCK.E	N101
902	SAP_HUMAN	K.TCDWLPKPN*M#SASCK.E	N101
903	SAP_HUMAN	R.NLEKN*STKQEILAALEK.G	N426
904	SAP_HUMAN	K.LIDNN*KTEKEILDAFDK.M	N332
905	SAP_HUMAN	R.TN*STFVQALVEHVKEECDRLGPGM# ADICK.N	N215
906	SAP_HUMAN	R.TN*STFVQALVEHVKEECDR.L	N215
907	SAP_HUMAN	K.SLPCDICKDVVTAAGDM#LKDN*ATE EEILVYLEK.T	N80
908	SAP_HUMAN	R.TN*STFVQALVEHVK.E	N215
909	SAP_HUMAN	R.TN*STFVQ^ALVEHVKEECDRLGPGM #ADICK.N	N215
910	SAP_HUMAN	K.SLPCDICKDVVTAAGDMLKDN*ATEE EILVYLEK.T	N80
911	SCAR3_HUMAN	R.N*VTILR.G	N451
912	SCAR3_HUMAN	K.IVTDWQN*YTR.L	N257
913	SCAR3_HUMAN	K.ALNN*CSFCHEAGQLGPEIR.K	N115
914	SCAR3_HUMAN	R.M#ASHEIEIGTIFTNIN*ATDNHVHSM# LK.Y	N365
915	SE1L1_HUMAN	R.EASIVGEN*ETYPR.A	N608
916	SE1L1_HUMAN	K.MYSEGSDIVPQSN*ETALHYFK.K	N431
917	SE1L1_HUMAN	K.M#YSEGSDIVPQSN*ETALHYFK.K	N431
918	SE1L1_HUMAN	R.AFDYFN^LAANAGNSHAM#AFLGKM# YSEGSDIVQ^SN*ETALHYFKK.A	N431
919	SEM3C_HUMAN	R.VIQTFN*R.T	N123
920	SGO2_HUMAN	K.QITN^MYPVQ^QN*ESKVN^K.K	N704
921	SIL1_HUMAN	R.LINKFN*SSSSLEEK.I	N193
922	SL7A1_HUMAN	R.LCLNN*DTK.E	N235
923	SL7A1_HUMAN	K.NWQLTEEDFGN*TSGR.L	N226
924	SMC4_HUMAN	R.FSCIIGPN*GSGK.S	N115
925	SO2A1_HUMAN	K.QLIYLN*CSCVTGGSASAK.T	N491

926	SORT_HUMAN	R.HLYTTTGGGETDFTN*VTSLR.G	N406
927	SRSF3_HUMAN	K.VYVGNLGNNGN*KTELER.A	N22
928	SRSF3_HUMAN	K.VYVGNLGNNGN*K.T	N22
929	SSRB_HUMAN	R.IAPASN*VSHTVVLRLPK.A	N88
930	SSRB_HUMAN	K.AGYFN*FTSATITYLAQEDGPVVGST SAPGQGGILAQR.E	N104
931	STT3A_HUMAN	R.TILVDNNTWN*NTHISR.V	N548
932	STT3A_HUMAN	R.TILVDN*NTWNN^THISR.V	N544
933	STT3A_HUMAN	K.VMSWWDYGYQITAMAN*R.T	N537
934	STT3A_HUMAN	R.TILVDNNTWN*N^THISR.V	N548
935	STT3A_HUMAN	R.TILVDNN^TWN*NTHISR.V	N548
936	STT3B_HUMAN	K.AMSSN*ETAAYK.I	N641
937	STT3B_HUMAN	K.AM#SSN*ETAAYK.I	N641
938	STT3B_HUMAN	R.VMSWWDYGYQIAGMAN*R.T	N616
939	STT3B_HUMAN	R.VM#SWWDYGYQIAGMAN*R.T	N616
940	STT3B_HUMAN	R.VMSWWDYGYQIAGM#AN*R.T	N616
941	STT3B_HUMAN	R.VM#SWWDYGYQIAGM#AN*R.T	N616
942	STT3B_HUMAN	R.TTLVDNNTWN*NSHIALVGK.A	N627
943	STT3B_HUMAN	R.TTLVDNNTWN*N^SHIALVGK.A	N627
944	STT3B_HUMAN	R.TTLVDNN^TWN*NSHIALVGK.A	N627
945	STT3B_HUMAN	R.VM#SWWDYGYQ^IAGM#AN*R.T	N616
946	SYEP_HUMAN	K.TGQEYKPGNPPAEIGQNISSN*SSASIL ESK.S	N815
947	T132A_HUMAN	R.VQQVGHYPPAN*SSLSSR.S	N71

	N		
948	TBA1C_HUMAN	R.ECISIHVGQAGVQIGN*ACWELYCLEH GIQPDGQM#PSDK.T	N18
		-	
949	TBA1C_HUMAN	.M#RECISIHVGQAGVQIGN*ACWELYCL EHGIQPDGQM#PSDK.T	N18
950	TBA1C_HUMAN	R.ECISIHVGQAGVQIGN*ACWELYCLEH GIQPDGQMPSDK.T	N18
		-	
951	TBA1C_HUMAN	.MRECISIHVGQAGVQIGN*ACWELYCL EHGIQPDGQMPSDK.T	N18
952	TBA1C_HUMAN	R.ECISIHVGQ^AGVQ^IGN*ACWELYCL EHGIQ^PDGQMPSDK.T	N18
953	TBA4A_HUMAN	K.AYHEQLSVAEITN*ACFEPANQM#VK. C	N293
954	TBA4A_HUMAN	R.AVCMLSN*TTAIAEAWAR.L	N380
955	TBB5_HUMAN	K.N*SSYFVEWIPNNVK.T	N337
956	TBB6_HUMAN	K.N*SSYFVEWIPNNVK.V	N337
957	TCPW_HUMAN	K.RVEDAFILICN*VSLEYEKTEVNSGFF YK.T	N234
958	TCPZ_HUMAN	K.RVEDAYILTCN*VSLEYEKTEVNSGFF YK.S	N234
959	TEST_HUMAN	K.HIQPICLQASTFEFEN*R.T	N167
960	TFR1_HUMAN	K.QNN^GAFN*ETLFR.N	N727
961	TFR1_HUMAN	R.KQNNGAFN*ETLFR.N	N727
962	TFR1_HUMAN	R.KQNN^GAFN*ETLFR.N	N727
963	TFR1_HUMAN	R.KQN^NGAFN*ETLFR.N	N727
964	TFR1_HUMAN	R.KQN^N^GAFN*ETLFR.N	N727
965	TFR1_HUMAN	K.DFEDLYTPVN*GSIVIVR.A	N251
966	TFR1_HUMAN	K.KDFEDLYTPVN*GSIVIVR.A	N251
967	THY1_HUMAN	K.VLYLSAFTSKDEGTYTCALHHS GHSP PISSQN*VTVLR.D	N119
968	THY1_HUMAN	R.SRTN*FTSK.Y	N79
969	THY1_HUMAN	K.DEGTYTCALHHS GHSP PISSQN*VTVL R.D	N119
970	TIF1B_HUMAN	R.LLPCLHSACSACLGPAAPAAAN*SSGD GGAAGDGTVVDCPVCK.Q	N101
971	TIMP1_HUMAN	R.SHN*RSEEF LIAGK.L	N101
972	TKT_HUMAN	R.M#AAISESNIN*LCGSHCGV SIGEDGPS	N411

		QMALEDLAMFR.S	
973	TKT_HUMAN	R.MAAISESNIN*LCGSHCGVSI GEDGPS QM#ALEDLAM#FR.S	N411
974	TKT_HUMAN	R.M#AAISESNIN*LCGSHCGVSI GEDGPS QM#ALEDLAMFR.S	N411
975	TKT_HUMAN	R.M#AAISESNIN*LCGSHCGVSI GEDGPS QM#ALEDLAM#FR.S	N411
976	TKT_HUMAN	R.M#AAISESNIN*LCGSHCGVSI GEDGP SQ^MALEDLAMFR.S	N411
977	TLN1_HUMAN	R.M#VAAATN^N*LCEAANA AVQ^GHAS Q^EK.L	N2406
978	TM2D1_HUMAN	R.LSITN*ETFR.K	N197
979	TM2D1_HUMAN	K.INDATQEPVN*CTN*YTAHVSCFPAPN *ITCK.D	N72N75N87
980	TM2D1_HUMAN	K.DSSGN*ETHFTGNEVGFFKPISCR.N	N96
981	TM2D1_HUMAN	K.INDATQEPVN*CTNYTAHVSCFPAPN* ITCK.D	N72N87
982	TM87A_HUMAN	R.N*TTIFLK.F	N62
983	TM87A_HUMAN	K.LFQN*CSELFK.T	N127
984	TM9S3_HUMAN	R.IVDVN*LTSEGK.V	N174
985	TMED4_HUMAN	R.FTFTSHTPGDHQICLHSN*STR.M	N117
986	TMED9_HUMAN	R.FTFTSHTPGEHQICLHSN*STK.F	N125
987	TMTC3_HUMAN	R.AN*ESRLEEADQLYR.Q	N541
988	TMX3_HUMAN	K.LVALAVIDEKN*TSVEHTR.L	N258
989	TNR3_HUMAN	K.AGHFQN*TSSPSAR.C	N177
990	TOR4A_HUMAN	R.FVLQN*ASR.A	N314
991	TPBG_HUMAN	K.VLHN*GTLAELQGLPHIR.V	N275
992	TPBG_HUMAN	R.RPPLAELAALN*LSGSRLDEV R.A	N124
993	TSN13_HUMAN	R.SVNPN*DTCLASCVK.S	N137
994	TSP1_HUMAN	K.VVN*STTGPGELHR.N	N1067
995	TSP1_HUMAN	K.KVSCPIMPCSN*ATVPDGECCPR.C	N360

996	TSP1_HUMAN	K.KVSCPIM#PCSN*ATVPDGECCPR.C	N360
997	TSP1_HUMAN	R.NKGCSSSTSVLLTLDNNVVN*GSSPAI	N248
998	TTYH3_HUMAN	R.VWDTAVGLN*HTAEPQLTLER.Q	N144
999	TTYH3_HUMAN	R.VQEVLN*GTEVNLQHLTALVDCR.S	N351
1000	U2AF2_HUMAN	K.N*ATLVSPSTINQTPVTLQVPGLMSS QVQ^MGGHPTEVLCLMN^M#VLPEELL DDEEYEEIVEDVRDECSK.Y	N341
1001	UBQL1_HUMAN	K.TQNRPDHSAQQTNTAGSNVTTSSSTP NSNSTSGSATSNPFGGLGGLAGLSSL GLNTTN*FSELQSQM#QR.Q	N167
1002	UBQL1_HUMAN	K.TQNRPDHSAQQTNTAGSNVTTSSSTP NSNSTSGSATSNPFGGLGGLAGLSSL GLN*TTNFSELQSQMQR.Q	N164
1003	UFO_HUMAN	R.VACTSSQGPSSWTHWLPVETPEGVPL GPPEN*ISATR.N	N339
1004	VASN_HUMAN	R.LHEITN*ETFR.G	N117
1005	WNT5A_HUMAN	R.FNSPTTQDLVYIDPSPDYCVRN*ESTG SLGTQGR.L	N312
1006	WNT5A_HUMAN	R.WN*CSTVDNTSVFGR.V	N114
1007	WNT5A_HUMAN	R.N*ESTGSLGTQGR.L	N312
1008	WNT5A_HUMAN	R.FNSPTTQ^DLVYIDPSPDYCVRN*ESTG SLGTQ^GR.L	N312
1009	XYLK_HUMAN	R.TEIKPVATEQLLSTFLTVGNN*TCFYG K.C	N194
1010	XYLK_HUMAN	R.TEIKPVATEQLLSTFLTVGN*N*TCFY GK.C	N193N194
1011	YBOX1_HUMAN	R.SVGDGETVEFDVVEGEKGAEAAAN*VT GPGGVPVQGSK.Y	N124

N*: N-linked glycosylation site, N^/Q^: deamidation of N/Q into D/E, M#: oxidation of methionine.

Table S3 Phosphopeptides enriched by DZMOF-FDP from HeLa cell proteins tryptic digest

No.	Protein	Peptide sequence
1	4EBP1_HUMAN	R.RVVLGDGVQLPPGDYST[pT]PGG[pT]LFSTTPG GTR.I
2	4EBP1_HUMAN	R.RVVLGDGVQLPPGDYSTTPGG[pT]LF[pS]TTPG GTR.I
3	4EBP1_HUMAN	R.RVVLGDGVQLPPGDY[pS]TTPGGTLFSTTPGG[pT]R.I
4	4EBP1_HUMAN	R.RVVLGDGVQLPPGDYSTTPGGTLFS[pT][pT]PG GTR.I
5	A0A024QZP7_HUMAN	K.IGEGT[pY]GVVYK.G
6	A0A024R368_HUMAN	R.GSM#E[pS]LALSNA[pT]GLSADGGAKR.Q
7	A0A024R4E5_HUMAN	K.VATLN[pS]EEESDPPTYK.D
8	A0A024RA28_HUMAN	R.GFGDGYNGYGGGPGGGNFGG[pS]PGYGGGR. G
9	A0A024RCR6_HUMAN	R.ASPEPQRENA[pS]PAPGTTAEEAMSR.G
10	A0A024RCR6_HUMAN	R.APPQTHLPSGASSGTGSASATHGGG[pS]PPGTR .G
11	A0A075B6F3_HUMAN	K.I[pT]EMI[pT]VVQ[pT][pY][pS]TLSN[pS][pT]IEG IDIMAIKFRNIYQGVK.K
12	A0A075B6G6_HUMAN	R.M#VDVPV[pT]STGVQTDAV[pS]GEAAEEE[pT] PAVFIR.K
13	A0A075B730_HUMAN	R.QV[pS]ASELHTSGILGPETLR.D
14	A0A075B730_HUMAN	R.RQVSA[pS]ELHTSGILGPETLR.D
15	A0A075B730_HUMAN	R.RQV[pS]ASELHTSGILGPETLR.D
16	A0A087WSZ7_HUMAN	R.SDSYDL[pS]PK.S
17	A0A087WTA8_HUMAN	R.[pT]GHPG[pT]VGPAGIRGPQGHQGPAGPPGPP GPPGPPGV[pS]GGGYDFG[pY]DGDF[pY]R.A
18	A0A087WTD7_HUMAN	K.SGSLDSELSV[pS]PK.R
19	A0A087WTH8_HUMAN	R.YLVDGTKPNAG[pS]EEI[pS][pS]EDDELVEEK.K
20	A0A087WTM1_HUMAN	R.MYLQQDELEEEEDERGP[pT]PPVR.G
21	A0A087WTP3_HUMAN	K.VQI[pS]PDSGGLPER.S
22	A0A087WTU9_HUMAN	K.VSAVAGPADQK[pT]GLP[pT]VP[pS][pS]A[pY]S HR.E
23	A0A087WTW0_HUMAN	R.SNDGAYSLVLAGG[pY]EDDVDHGNFF[pT][pY] [pT]GSGGRDLSGNK.R
24	A0A087WU58_HUMAN	R.AVR[pT]M#QNLFPPEE[pS]TSANLSLSTSSSLIFV CM#[pY]SSP.-
25	A0A087WU74_HUMAN	R.LWAQDGESEPPKD[pS]DGEDPETAAVGCR.G
26	A0A087WUT0_HUMAN	R.GFGDSFGRLG[pS]AMIGGFAGRIG[pS][pS]NMG PVG[pS]GI[pS]GGMGSM#NSVTGGM#GM#GLDR.

M

27 A0A087WUT6_HUMAN K.QSFDDND[pS]EELEDKDSK.S

28 A0A087WUT6_HUMAN K.NKPGPNIE[pS]GNEDDDASFK.I

29 A0A087WUT6_HUMAN K.VEM[pY][pS]GSDDDDDFNKLPK.K

30 A0A087WUT6_HUMAN K.VEM[pY]SG[pS]DDDDDFNKLPK.K

31 A0A087WUZ3_HUMAN R.RPP[pS]PEPSTK.V

32 A0A087WUZ3_HUMAN R.AQTLPTSVVTITSES[pS]PGKR.E

33 A0A087WV21_HUMAN R.LGIM#[pS]SEEVAGGR.E

34 A0A087WVF1_HUMAN K.VEELIESEAPPKASEQE[pT]AK.E

-

35 A0A087WVF6_HUMAN .Q[pS]DHGNGLGRGTRG[pS]GC[pS]GG[pS]LVAD
WGGGAAAAAVALALAPAL[pS][pT]MR.R

36 A0A087WW66_HUMAN R.TVG[pT]PIASVPGSTNTGTVPGSEKSDSMETE
EK.T

37 A0A087WW88_HUMAN K.ATI[pS]DEEIER.Q

38 A0A087WWF4_HUMAN K.NWEDEDFYD[pS]DDDTFLDR.T

39 A0A087WWP4_HUMAN R.SL[pS]PGGAALGYR.D

40 A0A087WWP4_HUMAN R.HCAP[pS]PDR[pS]PELSSSR.D

41 A0A087WWP4_HUMAN R.DR[pT]PPLLYR.D

-

42 A0A087WWR2_HUMAN .M#KM#P[pT]M#VPLSLLSVPQLSGAGGGGGEAG
AGGGAAAVAAGGVVTTTA[pS]GKR.I

43 A0A087W XK5_HUMAN R.QNS[pS]FTEKTNEIR.R

44 A0A087W XV6_HUMAN R.QAPGVGAVGGG[pS]PEREEVGAG[pY]NSEDEY
EAAAAR.I

45 A0A087W Y61_HUMAN R.VSLEPHQPG[pT]PESK.K

46 A0A087W Y61_HUMAN R.TQPDGTSVPGIPA[pS]PISQR.L

47 A0A087W Y61_HUMAN K.APVPSTCSSTFPEEL[pS]PPSHQAK.R

48 A0A087W YK2_HUMAN R.GRFQVI[pT]IPQQQ[pS]AKM#[pT][pS]FGIEHI[pS]
]VFSETNHSSEEAFIK.T

49 A0A087W YK6_HUMAN R.FIIGSVSEDN[pS]EDEISNLVK.L

50 A0A087W YT3_HUMAN K.LNWLSVDFNNWKDWEDD[pS]DEDMSNFDR.F

51 A0A087W YT3_HUMAN K.LNWLSVDFNNWKDWEDD[pS]DEDM#SNFDR.
F

52 A0A087W YT3_HUMAN K.DWEDD[pS]DEDMSNFDR.F

53 A0A087W Z62_HUMAN K.KFGLHV[pS]R.M

-

54 A0A087W ZP5_HUMAN .EQLVVAG[pT]IIIQNIGAM#SSYLLIIKTELPAAIA
EFL[pT]GD[pY][pS]R.-

55 A0A087W ZR1_HUMAN K.M#M#SAAAIANGGGVASGSLVATLQSLGA[pT]
GL[pS]GL[pT]KFILG[pS]IGSAIAAVIAR.F

56 A0A087WZR1_HUMAN K.M#M#[pS]AAAIANGGGVA[pS]G[pS]LVA[pT]L
 QSLGATGLSGLTK.F

57 A0A087WZT0_HUMAN R.AAFT[pT]PDHAPLSPQSSVASSGSEQTEEQGSS
 R.N

58 A0A087X0K9_HUMAN K.AIPV[pS]PSAVEEDEDEDEDGHTVVATAR.G

59 A0A087X0K9_HUMAN K.VQIPVSRPDPEPV[pS]DNEEDS[pY]DEEIHDP
 S

60 A0A087X1E1_HUMAN K.GDMGDPM#[pT]GEKGGIGLPLPGANGM#K
 GEK.G

61 A0A087X1F3_HUMAN R.DPGK[pS]PVLVR.I

62 A0A087X1X7_HUMAN R.LNVLEKS[pS]PGHR.A

63 A0A087X1X7_HUMAN R.ATAPQTQHV[pS]PMR.Q

64 A0A087X1X7_HUMAN R.ATAPQTQHV[pS]PM#R.Q

65 A0A087X1X7_HUMAN K.KPATPAEDEDDDDIDLFG[pS]DNEEEDK.E

66 A0A087X1X7_HUMAN K.KPATPAEDEDDDDIDLFG[pS]DNEEEDKEAAQ
 LR.E

67 A0A087X1X7_HUMAN K.KPA[pT]PAEDEDDDDIDLFG[pS]DNEEEDKEA
 AQLR.E

68 A0A087X1X7_HUMAN K.KPATPAEDEDDDDIDLFG[pS]DNEEEDKEAAQ
 LREER.L

69 A0A087X1X7_HUMAN K.KPA[pT]PAEDEDDDDIDLFG[pS]DNEEEDKEA
 AQLREER.L

70 A0A087X1X7_HUMAN R.QVEPPAKKPATPAEDEDDDDIDLFG[pS]DNEEE
 DKEAAQLR.E

71 A0A087X1X7_HUMAN R.QVEPPAKKPA[pT]PAEDEDDDDIDLFG[pS]DNE
 EEDKEAAQLR.E

72 A0A087X2D4_HUMAN R.VL[pT]Q[pT]SSGGFCGNDGFM#HM#TLA[pS]LP
 FGGVGA[pS]GM#GRYHGK.F

73 A0A088AWL3_HUMAN R.SM#[pT]NEAAAA[pS]AAAAAA[pT]EPPPPPLPP
 PPEPISTEPVETSR.W

74 A0A090HNM7_HUMAN R.NAPAAVDEGSI[pS]PR.T

75 A0A096LNZ0_HUMAN K.LGGAVPFAPPEV[pS]PEQAK.T

76 A0A0A0MQR4_HUMAN R.FAELPEFRPEEVLP[pS]PTLQSLAT[pS]PR.A

77 A0A0A0MQS2_HUMAN K.ITFITSFGG[pS]DEEAAAAAAAAAAAAASGVTTGKP
 PAPPQPGGPAPGR.N

78 A0A0A0MR02_HUMAN K.LTFDFFF[pS]PNTGKK.S

79 A0A0A0MR74_HUMAN R.VPGERP[pS]ANVPPLGVHGHGDP[pS]DP[pT]GL
 VR.G

80 A0A0A0MRA3_HUMAN K.DHM#TVSWKPPADDGGSPI[pT]G[pY]LLEKRE
 TQAVNWT.V

81 A0A0A0MRA3_HUMAN R.VM#AENEYGIGEPTETTEPVKASEAPSPD[pS]

LNIMDI[pT]K.S
 82 A0A0A0MRA3_HUMAN K.YTLTIQNVL[pS]AA[pS]LTLVVKVLDTPGPPTN
 ITVQDVTK.E
 83 A0A0A0MRA8_HUMAN R.DDIV[pS]GRLPCSFVTLALLGS[pY][pT]VQ[pS]E
 LGDYDPDECG[pS]DYI[pS]EFRFAPNH[pT]K.E
 84 A0A0A0MRI1_HUMAN K.QDD[pS]PPRPIIGPALPPGFIK.S
 85 A0A0A0MRJ7_HUMAN K.Q[pS]N[pS][pS]KILVGR.W
 86 A0A0A0MRJ7_HUMAN K.ADKPL[pS]IHPQGIRYSKL[pS]EGASYLDHTFP
 AEK.M
 87 A0A0A0MRL6_HUMAN R.TL[pS]PTPSAEGYQDVR.D
 88 A0A0A0MRN5_HUMAN R.KVEEEG[pS]PGDPDHEASTQGR.T
 89 A0A0A0MRS7_HUMAN K.FPSLPRSPASSANSNGNFNHSPHSSGGS[pS]GVG
 V[pS]R.H
 90 A0A0A0MRT2_HUMAN K.QGPVSQSATQQPVTADKQQGHEPV[pS]PR.S
 91 A0A0A0MRT8_HUMAN R.IAA[pS]ALSDIAK.H
 92 A0A0A0MRX8_HUMAN K.TISIDENMEPSP[pT]GDFYP[pS]PSSPAAGSR.T
 93 A0A0A0MSC1_HUMAN K.GIE[pT]YLIIA[pS]KPEVKK[pT]ATQNGLNG[pS]
 ALPNGAPA[pS][pS]K.S
 94 A0A0A0MSK5_HUMAN R.LQQQHSEQPPLQP[pS]PVMTR.R
 95 A0A0A0MSK5_HUMAN K.VNFSEEGE[pT]EEDDQDSSHSSVTTVK.A
 96 A0A0A0MSK5_HUMAN K.SELGNQSPSTS[pS]R.Q
 97 A0A0A0MSN9_HUMAN R.SGAHSSA[pS]PPR.S
 98 A0A0A0MSN9_HUMAN R.SI[pS]ADDDLQESSR.R
 99 A0A0A0MSW3_HUMAN R.ITPPAAKPG[pS]PQAK.S
 100 A0A0A0MSZ1_HUMAN R.KKSS[pT]VPSSNTASGGM#TR.R
 101 A0A0A0MT60_HUMAN R.RPSQEQSA[pS]ASSGQPQAPLNR.E
 102 A0A0A0MT60_HUMAN R.RPSQEQ[pS]ASASSGQPQAPLNR.E
 103 A0A0A0MTC1_HUMAN R.EAAEPLSEPKEDQEAELL[pS]EPEEESER.H
 104 A0A0A0MTC1_HUMAN R.MIRLLSLVDSAGQRDETGNNSVQTVFQGTLAA
 [pT]K.R
 105 A0A0A0MTE2_HUMAN K.ATLSSTGLDLMSESGEGEI[pS]PQREVS.R
 106 A0A0A0MTE2_HUMAN K.EVAATEEDVTRLP[pS]PTSPFSSLSQDQAATSK.
 A
 107 A0A0A0MTE2_HUMAN K.EVAATEEDVTRLPSP[pT]SPFSSLSQDQAATSK.
 A
 108 A0A0A0MTE2_HUMAN K.EVAATEEDVTRLP[pS]P[pT]SPFSSLSQDQAAT
 SK.A
 109 A0A0A0MTE2_HUMAN R.VTTEIQLPSQ[pS]PVEEQSPASLSSLR.S
 110 A0A0A0MTE2_HUMAN R.SH[pS]PSASQSGSQLR.N
 111 A0A0A0MTE2_HUMAN K.EVAATEEDVTRLPSP[pT][pS]PFSSLSQDQAAT
 SK.A

112 A0A0A0MTP7_HUMAN K.TEELIE[pS]PKLESSEGEIITVDR.Q
113 A0A0A0MTP7_HUMAN R.AETASQSQR[pS]PISDNSGCDAPGNSNPSLSVP
SSAESEK.Q
114 A0A0A0MTP7_HUMAN R.AETASQSQRSPISDN[pS]GCDAPGNSNPSLSVP
SSAESEK.Q
115 A0A0A6YYC7_HUMAN R.RS[pS]PSARPPDVPGQQPQAAK.S
116 A0A0A6YYG7_HUMAN K.E[pS]RSPQQSAALPR.R
117 A0A0A6YYG7_HUMAN R.MN[pT]CVPHPRGAFM#LEPEGM#[pS]PMEPAG
VSPMPGTQKDTGR.T
118 A0A0A6YYI3_HUMAN R.VGG[pS]DEEASGIPSR.T
119 A0A0B4J1R3_HUMAN R.RR[pT]AG[pS]PGAELLQAASGER.H
120 A0A0B4J203_HUMAN R.MGLEVIPV[pT]STTNKITAEDCTMEV[pT]PGAE
IQDGR.F
121 A0A0B4J210_HUMAN R.SLPTTVPE[pS]PNYR.N
122 A0A0B4J210_HUMAN R.AV[pT]PVPTKTEEVSNLK.T
123 A0A0B4J210_HUMAN K.GLSA[pS]LPDLSENWIEVK.K
124 A0A0B4J210_HUMAN K.NTFTAWSDEE[pS]DYEIDDRDVNK.I
125 A0A0B4J210_HUMAN R.KNTFTAW[pS]DEESDYEIDDRDVNK.I
126 A0A0B4J210_HUMAN K.LFGAPEPSTIAR[pS]LPTTVPE[pS]PNYR.N
R.ESPRLQLPGAEGPAI[pS]DGEEGGGEPGAGGG
AAGAAGARR.D
127 A0A0B4J210_HUMAN K.LFGAPEPS[pT]IARSLPTTVPE[pS]PNYR.N
R.ESPRLQLPGAEGPAI[pS]DGEEGGGEPGAGGG
AAGAAGARR.R
128 A0A0B4J210_HUMAN K.NTFTAW[pS]DEE[pS]DYEIDDRDVNK.I
129 A0A0B4J210_HUMAN K.IDLQGPEVG[pY]FSQMKIISNVVP[pS][pY]K.T
130 A0A0C4DFR4_HUMAN R.EASRPPEEPSAP[pS]PTLPAQFK.Q
131 A0A0C4DFX9_HUMAN R.IPNYQL[pS]PTKLPSINK.S
132 A0A0C4DG07_HUMAN R.[pS]AGEEEDGPVLTDEQK.S
133 A0A0C4DG62_HUMAN K.LKLT[pY]EEK.C
134 A0A0C4DG71_HUMAN K.AALGLQD[pS]DDEDAAVDIDEQIESMFNSK.K
135 A0A0C4DG89_HUMAN K.AALGLQD[pS]DDEDAAVDIDEQIESM#FNSK.K
136 A0A0C4DG89_HUMAN K.AASLGSSQS[pS]RTYAGGTASATK.V
137 A0A0C4DGB5_HUMAN K.KEGITGPPADSSKPIGPDDAIDALSSDFTCG[pS]
PTAAGK.K
138 A0A0C4DGB5_HUMAN -.M#[pS]ATVVDAVNAAPLSGSKEM#SLEEPK.K
139 A0A0C4DGD2_HUMAN R.DGTAPPPQSPGSPGTGQDEEW[pS]DEESPRK.A
140 A0A0C4DGG1_HUMAN R.DGTAPPPQSPGSPGTGQDEEW[pS]DEESPR.K
141 A0A0C4DGG1_HUMAN R.SQSDLDDQH DYDSVA[pS]DEDTDQEPLR.S
142 A0A0C4DGN6_HUMAN R.SQSDLDDQH[pY]DSVA[pS]DEDTDQEPLR.S
143 A0A0C4DGN6_HUMAN R.SQSDLDDQH DYD[pS]VA[pS]DEDTDQEPLR.S
144 A0A0C4DGN6_HUMAN R.SQSDLDDQH DYD[pS]VA[pS]DEDTDQEPLR.S
145 A0A0C4DGN6_HUMAN R.SQSDLDDQH DYD[pS]VA[pS]DEDTDQEPLR.S

146 A0A0C4DGP3_HUMAN -.MPVL[pS]EDSGLHETLALLT[pS]QLRPDSNHK.E
-

147 A0A0C4DGQ5_HUMAN .MFLVN[pS]FLKGGGGGGGGGGGLGGGLGNVLG
GLISGAGGGGGGGGGGGGGGGGGGGGGG[pT]AMR
.I

148 A0A0C4DGQ5_HUMAN K.GGGGGGGGGGGGLGGGLGNVLGGLISGAGGG
GGGGGGGGGGGGGGGGGGGGG[pT]AMR.I

149 A0A0C4DGQ6_HUMAN R.TYEQIKVDENENCSSLG[pS]PSEPPQTLDLVR.A

150 A0A0C4DGX4_HUMAN K.MYVQ[pT]VLDVHKKYNALVM#SAFNNDAGF
VAALDK.A

151 A0A0C4DGY1_HUMAN K.CM#ISGWGNTQEGNA[pT]KPELLQKA[pS]VGII
DQK.T
-

152 A0A0D9SEU5_HUMAN .M#AAATADPGAGNPQPGDSSGGGAGGGGLP[pS]
PGEQELSRRLQR.L

153 A0A0D9SEV0_HUMAN R.TPESQPD[pT]PPGTPLVSQDEKR.D

154 A0A0D9SF58_HUMAN R.VENSPQVDG[pS]PPGLEGLLGIGEK.G

155 A0A0D9SG79_HUMAN K.VNSKSGPEGD[pS]K.M

156 A0A0G2JHC2_HUMAN R.EAQGNSSAGVEAAEQRPVEDGERGM#KPTEG
WKW[pT]LNSR.K

157 A0A0G2JJ82_HUMAN R.KAGHCPNPGI[pS]LGAVR.T

158 A0A0G2JJB9_HUMAN K.LSVPT[pS]DEEDEVPAKPR.G

159 A0A0G2JM93_HUMAN K.TIVQ[pT]LGPIVQYPGSNAGPPSAPRGPPM#API
II[pS]QR.T

160 A0A0G2JMS7_HUMAN R.MVEPENAVTITPLRPEDDY[pS]PR.E

161 A0A0G2JMS7_HUMAN K.M#AESPCSPSGQQPP[pS]PP[pS]PDEL PANVK.Q

162 A0A0G2JMS7_HUMAN R.AFAAVPTSHPPEDAPAQPPTPGPAA[pS]PEQLS
FR.E

163 A0A0G2JMS7_HUMAN R.LAEAPSPAPTPSPTPVEDLGPQTSTSPGRL[pS]P
DFAEELR.S

164 A0A0G2JMS7_HUMAN R.LAEAPSPAPTPSPTPVEDLGPQTST[pS]PGRL[pS]
]PDFAEELR.S

165 A0A0G2JMS7_HUMAN R.LALDGETLGEEEQEDEQPPWASPSP[pT]SR.Q

166 A0A0G2JMS7_HUMAN R.AFAAVPTSHPPEDAPAQPPTPGPAASPEQL[pS]
FR.E

167 A0A0G2JMS7_HUMAN R.AFAAVPTSHPPEDAPAQPP[pT]PGPAASPEQLS
FR.E

168 A0A0G2JMS7_HUMAN R.RSEACPCQPSG[pS]PLPAEEEEK.R

169 A0A0G2JMS7_HUMAN R.M#VEPENAVTITPLRPEDDY[pS]PR.E

170 A0A0G2JMS7_HUMAN K.MAESPCSPSGQQPP[pS]PP[pS]PDEL PANVK.Q

171 A0A0G2JNB1_HUMAN R.ALTSSALHGGEMGG[pS]E[pS]GDLKGGM#TNC

172 A0A0G2JNH7_HUMAN TLPHR.S
 R.SFASFPETQA[pS]GAGGA[pS]LVAAVG[pT]CV
 AHAEPEEDGVGGQAGG[pS]PPRLHCNGEGK.W
 173 A0A0G2JQF2_HUMAN K.[pS]LRAFVGEVGARSAAPGGGSVAAAAAAMG
 AALGSMVGLM#TYGR.R
 174 A0A0J9YVR0_HUMAN R.SS[pS]PVQVEEEPVR.L
 175 A0A0J9YWD5_HUMAN R.TVTCVTVVEPEAPP[pS]PDVLQAATHR.V
 176 A0A0J9YWU8_HUMAN R.TGKPMPAVSNGGLWM#ESLRTTGLEA[pS]GG
 VPGK.K
 177 A0A0J9YWY6_HUMAN K.NPCAM#FAAGEIKTPTGEGLLD[pS]PSKTM#[pS]
 JIK.E
 178 A0A0J9YXN7_HUMAN K.SMVM#GTKDTM#STGLTGAANVAKGAMQTG
 LN[pT][pT]QNIATGTK.D
 179 A0A0R4J2E8_HUMAN R.D[pS]QGHGRDL[pS]AAGIGLLAAATQ[pS]L[pS]
 M#PASLGR.M
 180 A0A0R4J2E8_HUMAN R.SY[pS]PDGKESPSDKK.S
 181 A0A0R4J2E8_HUMAN R.[pS]YSPDGKESPSDKK.S
 182 A0A0U1RQI6_HUMAN R.SR[pS]DIDVNAAAGAK.A
 183 A0A0U1RQJ5_HUMAN R.SLSN[pS]NPDISGTPTSPDDEV.R.S
 184 A0A0U1RQJ8_HUMAN K.LAAPSVSHV[pS]PR.K
 185 A0A0U1RQS4_HUMAN R.RSTVFL[pS]VGAIEGSAPGADLP[pS]LQPSR.S
 186 A0A0U1RR34_HUMAN R.GRL[pT]P[pS]PDIIVL[pS]DNEAS[pS]PR.S
 187 A0A0U1RRK2_HUMAN K.EGMNPSYDEYAD[pS]DEDQHDAYLER.M
 188 A0A0U1RRK2_HUMAN K.EGM#NPSYDEYAD[pS]DEDQHDAYLER.M
 189 A0A140T947_HUMAN R.LLED[pS]EES[pS]EETVSR.A
 190 A0A140T963_HUMAN R.KAV[pS]KLYA[pS]K.A
 -
 191 A0A140T9B9_HUMAN .ILREAQLY[pS]VDV[pT]LDPDTAYPSLILSDNLR
 QVR.Y
 192 A0A140T9M2_HUMAN K.CLQ[pT][pT]EEPPSRTAGAM#M#QFTAPIPGAT
 GPFKLSQK.T
 193 A0A140TA73_HUMAN R.GPAGEAGA[pS]PPVRR.V
 194 A0A140TA73_HUMAN R.GLGPP[pS]PPAPPRGPAGEAGA[pS]PPVRR.V
 -
 195 A0A1B0GTN9_HUMAN .APNPHM#[pS]KQDRNQR[pS]SMVSETSTAGTA
 STLEAKPGPK.I
 196 A0A1B0GTU4_HUMAN K.TGSS[pS]PPGGPPKPGSQLDSMLGSLQSDLNK.
 L
 197 A0A1B0GTU4_HUMAN K.TG[pS]SSPPGGPPKPGSQLDSM#LGSQSDLNK.
 L
 198 A0A1B0GTU4_HUMAN R.FIHQQPQSS[pS]PVYGSSAK.T

199 A0A1B0GU03_HUMAN R.[pT]M#[pS]EVGGSVEDLIAKGPVSK[pY]SQA
AV[pT]EGPIPEVLK.N
200 A0A1B0GU09_HUMAN K.RPQLYGM#GSNPH[pS]QPQQSSPYPGG[pS]Y
PPGPQR.Y
201 A0A1B0GU63_HUMAN R.QV[pT][pT]V[pS]EDLSYLTQTSTTVNSFQM#TS[
pT]PPAWG[pS]RFPV[pS]PPQGRAM#R.L
202 A0A1B0GU83_HUMAN R.SRGGPDQAWAVM#TSSGVCSSWP[pS]PPQLSSF
SGSCAPRAPPGLGCLLLA.-
203 A0A1B0GUA3_HUMAN K.INNLNK[pS]ALK.Y
204 A0A1B0GV32_HUMAN R.ESP[pS]VKR.M
205 A0A1B0GV32_HUMAN R.N[pS]M#SPGVTHRPPSAGGLM#GGDLTSGAGT
SANGYGNPR.N
206 A0A1B0GV47_HUMAN R.KLS[pS]SDAPAQDTGSSAAAVETDASR.T
207 A0A1B0GV47_HUMAN K.ELSPPLPSKIGSI[pS]RQ[pS][pS]LSEK.K
208 A0A1B0GV68_HUMAN K.VSAGEPGSHP[pS]PAPR.R
209 A0A1B0GVN4_HUMAN K.TISIDENMEPSPTGDFYP[pS]PSSPAAGSR.T
210 A0A1B0GVN4_HUMAN M.Q[pY][pS]AM#DEFHPFIEALLPHVRAIA[pY]TW
FNLQARK.R
211 A0A1B0GVY1_HUMAN R.SL[pS]SPTVTLSAPLEGAK.D
212 A0A1B0GVZ8_HUMAN -.ICVKTELLGEETPMAADEG[pS]AEK.Q
213 A0A1B0GW05_HUMAN R.ASQSPLRGA[pS]DVGAGEPGER.A
214 A0A1B0GWA2_HUMAN K.SCQGPRM#STGPDIIHFIMGSEG[pT]LGVITEA
TIK.I
215 A0A1C7CYX9_HUMAN K.NLGSG[pS]PKPR.Q
216 A0A1C7CYX9_HUMAN K.TVTPAS[pS]AKTSPAKQAPPVR.N
-
217 A0A1W2PNY7_HUMAN .ASSNIHANHL[pS]LDA[pS]SSSSSSSSSSSSSSSSSS
SSSVHEPK.M
218 A0A1W2PPB7_HUMAN K.HLLAM#GADVQEGANSM[pT]ALIVAVKGG[p
Y]TQSVK.E
219 A0A1W2PPS1_HUMAN R.AKSPQPVEEEDHFD[pT]VVCLDTYNCDLH
FK.I
220 A0A1W2PPS1_HUMAN R.AK[pS]PQPVEEEDHFD[pT]VVCLDTYNCDLH
FK.I
221 A0A1W2PPX9_HUMAN R.AH[pT]PLNTPDPSTK.L
222 A0A1W2PPZ5_HUMAN K.KKEPAITSQN[pS]PEAR.E
223 A0A1W2PQ43_HUMAN R.IDI[pS]PSTLR.K
224 A0A1W2PQ43_HUMAN R.RIDI[pS]PSTLR.K
225 A0A1W2PQ43_HUMAN K.DLFDY[pS]PPLHK.N
226 A0A1W2PQ43_HUMAN K.LKDLDY[pS]PPLHK.N
227 A0A1W2PQ43_HUMAN K.LKDLDY[pY]SPPLHK.N

228 A0A1W2PQ43_HUMAN K.KAEGEPQEE[pS]PLKSK.S
 229 A0A1W2PQ43_HUMAN K.FND[pS]EGDDTEETEDYR.Q
 230 A0A1W2PQ43_HUMAN K.QKFND[pS]EGDDTEETEDYR.Q
 231 A0A1W2PQ43_HUMAN R.AEGEWEDQEALDYF[pS]DKESGK.Q
 232 A0A1W2PQ43_HUMAN K.GRAEGEWEDQEALDYFSDKE[pS]GK.Q
 233 A0A1W2PQ43_HUMAN K.KAEGEPQEE[SPLK][pS]K.S
 234 A0A1W2PQA1_HUMAN K.EPVEKG[pS]AQM#DPPQM#GPAPTEAVQK.G
 -
 235 A0A1W2PRT1_HUMAN .NSTNLSPTQFPADADAVATEPA[pT]AVLA[pS]Q
 PQ[pS]KEHFR[pS]LEER.K
 236 A0A1W2PRV5_HUMAN R.RGTGQ[pS]DD[pS]DIWDDTALIK.A
 237 A0A1W2PRV5_HUMAN R.GTGQ[pS]DD[pS]DIWDDTALIK.A
 238 A0A1W2PRV5_HUMAN R.RGTGQ[pS]DDSDIWDDTALIK.A
 239 A0A1W2PS38_HUMAN R.GLTLIPAAPSGSSSASPITS[pS]RP[pS]SWRR.-
 240 A0A1W2PS85_HUMAN K.LKTEKEPDATPP[pS]PR.T
 241 A0A286YEX4_HUMAN R.NWTEDEMEGGIS[pS]PVKK.T
 242 A0A286YEX5_HUMAN K.[pS]QRYSGAYGASVSDEELK.R
 243 A0A2C9F2M6_HUMAN K.L[pS]CDDI[pT]FNQL[pY]QFVAGWTLLG[pS]DL
 ILIVIS[pY][pS]FILKVVL.R.I
 244 A0A2R8Y443_HUMAN R.IYQ[pY]IQSR.F
 245 A0A2R8Y4F5_HUMAN K.LEKSTKPIVAAINGSCLGGGLEVGVPAAALDM#
 ML[pT]GR.S
 246 A0A2R8Y4N5_HUMAN K.QQLEEEENFSRPQIDENPLDDN[pS]JEEEMEDA
 PK.Q
 247 A0A2R8Y4Z1_HUMAN R.[pS]VTLTNTSMSTTSGEAGSPAAAM#HQETEG
 A[pS]LHVNV[pT]DDMGLV[pS]R.S
 R.F[pT]VE[pS]P[pS][pT]VTSGGGHHDPAAGLQPL
 248 A0A2R8Y575_HUMAN HVP[pS][pS]PEAAGQEEEGGGEGQ[pT]PRPLED[
 pT][pT]R.E
 K.DSFIENSSNCTSGS[pS]KPN[pS]P[pS]ISPSILSN
 249 A0A2R8Y5A6_HUMAN TEHK.R
 R.WET[pT]MGEA[pS]A[pS]IPTTVGSLPSSKSFLG
 250 A0A2R8Y5N2_HUMAN M#K.A
 K.VEDP[pT]FLNQLQSGVNR.W
 251 A0A2R8Y5T0_HUMAN R.LVGS[pS]LR.A
 252 A0A2R8Y5V0_HUMAN -.MFSN[pS]DEAVINK.K
 253 A0A2R8Y677_HUMAN -.IDG[pS]PALK.Q
 254 A0A2R8Y717_HUMAN R.SVSEIN[pS]DDELSGK.G
 255 A0A2R8Y7M0_HUMAN K.QTDPS[pT]PQQESSKPLGGIQPSSQTIQPK.V
 256 A0A2R8Y7W5_HUMAN K.GGGGAGGTGVFKSGWLYKGNFNS[pT]VNNTV
 257 A0A2R8YD85_HUMAN TVR.S

258 A0A2R8YD85_HUMAN K.HAN[pS]VD[pT]SFSKDVLSIAAFSSIAISTVNH
 ADSRASLA[pS]LD[pS]NP[pS][pT]NEK.S
 259 A0A2R8YDE6_HUMAN R.[pY]DHG[pT]FFPMGDEGA[pS]SQIGRAAGTGF[
 pT]VNVAVNGPRMGDAD[pY]LAAWHR.L
 260 A0A2R8YFN5_HUMAN R.TQSS[pS]CEDLPSTTQPK.G
 261 A0A2U3TZI4_HUMAN K.EAMA[pS][pS]KSPEKSPENLVCSQNSEAGYINV
 ASLK.E
 262 A0A3B3IRT3_HUMAN R.TS[pS][pT]CSNESLSVGGTSVTPR.R
 263 A0A3B3IRT8_HUMAN K.VEMGTSSQNDVDMSWIPQETLNQINKA[pS]PR
 .R
 264 A0A3B3IRT8_HUMAN K.VEM#GTSSQNDVDMSWIPQETLNQINKA[pS]P
 R.R
 265 A0A3B3IRW6_HUMAN K.GQDTVAIEGF[pT]DEEDTE[pS]GGEGQYR.E
 266 A0A3B3IS06_HUMAN R.KL[pS]GDQPAAR.T
 267 A0A3B3IS06_HUMAN R.AASAPAKE[pS]PR.K
 268 A0A3B3IS06_HUMAN R.AALAPAKE[pS]PR.K
 269 A0A3B3IS06_HUMAN K.TVANLLSGK[pS]PR.K
 270 A0A3B3IS06_HUMAN K.TSQVGAASAPAKE[pS]PR.K
 271 A0A3B3IS06_HUMAN K.LGAGEGGEASV[pS]PEKTSTTSK.G
 272 A0A3B3IS06_HUMAN K.SLGNILQAKPTS[pS]PAKGPPQK.A
 273 A0A3B3IS06_HUMAN K.KLGAGEGGEA[pS]VSPEKTSTTSK.G
 274 A0A3B3IS06_HUMAN K.KQEGPATQVDSAVGTLPAT[pS]PQSTSVQAK.
 G
 275 A0A3B3IS06_HUMAN K.KQEGPATQVDSAVGTLPATSPQ[pS]TSVQAK.
 G
 276 A0A3B3IS06_HUMAN R.TETLVEETAAESSEDDVVAPSQSLLSGYM#[pT]
 PGLTPANSQASK.A
 277 A0A3B3ISD8_HUMAN R.GVCFRGE[pS]CM#YLHGDIKDM#CGLQTLHPM
 #DAAQREEHM#R.A
 278 A0A3B3ISP1_HUMAN K.RLSSGFGGGGGGGSGGGGGSGGGGGGLGSS
 SHPL[pS][pS]LL[pS]M#WR.G
 -
 279 A0A3B3ISV3_HUMAN .QKGDPGFQGMPGIGG[pS]PGITG[pS]KGDM#GPP
 GVPGFQGPK.G
 280 A0A3B3ISX8_HUMAN R.IA[pS]DEEIQGTK.D
 281 A0A3B3ITD8_HUMAN K.YGLQD[pS]DEEEEHPSK.T
 282 A0A3B3ITD8_HUMAN K.GPQNQVGAG[pT][pT]TGLFGSSPA[pT][pS][pS]
 A[pT]GLF[pS][pS][pS][pT][pT]N[pS]GFAYGQNK.T
 -
 283 A0A3B3ITS2_HUMAN .M#M#CEVM#PTI[pS]EAEGPPGGGGGHGSGSPSQ
 PDADSHFEQLM#VSMLEERDR.L

-

284 A0A3B3ITT1_HUMAN .M#LLPLLRSSCFP[pS]SSPGGGGGSGGGGGGGDP
GAESRPAAQLQR.G

285 A0A3B3ITW1_HUMAN R.GEPNVS[pY]ICSR.Y

286 A0A3B3ITZ9_HUMAN R.ER[pS]PALK.S

287 A0A3B3ITZ9_HUMAN R.ASAVSEL[pS]PR.E

288 A0A3B3ITZ9_HUMAN R.IDI[pS]PSTFR.K

289 A0A3B3ITZ9_HUMAN R.RIDI[pS]PSTFR.K

290 A0A3B3ITZ9_HUMAN R.ER[pS]PALKSPLQSVVVR.R
K.ELEIMILNDSASAAS[pS]M#EV[pT]DRIA[pS]LE
QRVQM#QEDDIQLLK.S

291 A0A3B3IU69_HUMAN

292 A0A3B3IUA7_HUMAN R.ASAP[pS]PNAQVACDHCLK.E

293 A0A494BZU5_HUMAN M.MVVLLGA[pT]TLVLVAVAPWVLSAAAGGKN
LK.S

-

294 A0A494C084_HUMAN .MMLKDMED[pT]DDDDDDDDDDDDDDDEDNSLF
PTREPR.S

295 A0A494C0H2_HUMAN R.HPGLGELGQGPDSYGSPSFRS[pT]PEAPYA[pS]
L[pT]EIE.-

296 A0A494C0K5_HUMAN R.NLSPSQEEAGLEDGVSGEISD[pT]ELEQTDSCA
EPLSEGR.K

297 A0A494C0K5_HUMAN R.NLSP[pS]QEEAGLEDGV[pS]GEISDTELEQTDS
CAEPLSEGR.K

298 A0A494C0K5_HUMAN R.NLSPSQEEAGLEDGVSGEI[pS]DTELEQTDSCA
EPLSEGR.K

299 A0A494C0Z5_HUMAN R.KSM#VQHYRNVHAVVFV[pY]DM#TNM#ASF
H[pS]LPSWIEECK.Q

300 A0A494C108_HUMAN R.AFVED[pS]EDEDGAGEGGSSLLQK.R

301 A0A494C1A5_HUMAN R.EEA[pS]DDDMEGDEAVVR.C

302 A0A494C1K3_HUMAN K.ESTSSK[pS]PPR.K

303 A0A494C1K3_HUMAN K.EST[pS]SKSPPR.K

304 A0A494C1K3_HUMAN R.SPGSN[pS]KVPEIEVTVEGPNNNNPQTS AVR.T

305 A0A499FHX9_HUMAN K.DGDSYDP[pY]DFSDTEEEMPQVH[pT]PK.T

306 A0A499FHX9_HUMAN K.DGDSYDP[pY]DFSDTEEEM#PQVH[pT]PK.T

307 A0A499FHX9_HUMAN K.DGDSYDP[pY]DFSD[pT]EEEM#PQVHTPK.T

308 A0A4W8VX11_HUMAN K.NVR[pS]DI[pS]DQEEDEE[pS]EGCPVSINLSK.A
R.MPGPMAEK[pT]G[pS]GGV[pS]GLLGGRQ[pT][p
T]GV[pS]MAVGLLG[pS]VGEG[pT]IFEHVSGLSGR
.R

309 A0A590UJ96_HUMAN

310 A0A590UJS4_HUMAN K.AITSLGGG[pS]PK.N

311 A0A590UJS4_HUMAN K.GVNSGRLVACI[pT]TLFLFSK.I

312 A0A590UJS4_HUMAN R.[pS]SDMDQQEDMISGVENSNV[pS]ENDIPFNV
Q[pY]PGQ[pT][pS]K.T
313 A0A590UJT3_HUMAN K.YLLGDAPV[pS]PSSQK.L
314 A0A590UJV0_HUMAN R.[pY]M#IDIFVHGDLKPGQ[pS]PAIPPLPTEQA[p
S]RPTPA[pS]PALEEKEGEK.K
315 A0A5F9ZHN2_HUMAN K.SPGVEKPIVKPTAGAGPQE[pT]NM#KEPLA[pT]
LVDO[pS]PE[pS]LK.R
316 A0A5H1ZRP4_HUMAN R.KP[pS]PAQAAETPALELPLPSVPAPAPL.-
317 A0A5H1ZRP4_HUMAN R.A[pS]GV[pS]AAAPGERAGDGAP[pS]RAVAGAS
AMFAGLQDLGVANGEDLK.E
318 A0A669KB10_HUMAN R.ADAPDAGAQS[pS]JELPSYHQNDVSLDR.G
319 A0A669KB10_HUMAN R.ADAPDAGAQ[pS]DSELPSYHQNDVSLDR.G
320 A0A6I8PIV6_HUMAN K.HMN[pS][pS]EQAHPATM#LLDTLEEGAFVL
ADNLLEP[pT]R.V
321 A0A6Q8PFE5_HUMAN K.EGITGPPADSSKPIGPDDAIDALSSDFTCG[pS]P
TAAGK.K
322 A0A6Q8PFJ0_HUMAN R.LSPSP[pT]SQR.S
323 A0A6Q8PFJ0_HUMAN R.LRLSP[pS]PTSQR.S
324 A0A6Q8PFJ0_HUMAN R.LRL[pS]P[pS]PTSQR.S
325 A0A6Q8PFJ0_HUMAN R.SGAQASS[pT]PLSPTR.I
326 A0A6Q8PFJ0_HUMAN R.SGAQASSTPL[pS]PTR.I
327 A0A6Q8PFJ0_HUMAN R.SGAQASS[pT]PL[pS]PTR.I
328 A0A6Q8PFJ0_HUMAN R.AS[pS]HSSQTQGGGSVTK.K
329 A0A6Q8PFJ0_HUMAN R.ASSH[pS]SQTQGGGSVTK.K
330 A0A6Q8PFJ0_HUMAN R.SVGGSGGG[pS]FGDNLVTR.S
331 A0A6Q8PFJ0_HUMAN R.AS[pS]H[pS]SQTQGGGSVTK.K
332 A0A6Q8PFJ0_HUMAN R.LSP[pS]PTSQR.S
333 A0A6Q8PFJ0_HUMAN R.ASSHSSQTQGGG[pS]VTK.K
334 A0A6Q8PFJ0_HUMAN R.ASSHSSQ[pT]QGGGSVTK.K
335 A0A6Q8PFJ0_HUMAN R.A[pS]SHSSQTQGGGSVTK.K
336 A0A6Q8PGF4_HUMAN K.TIET[pS]PSLSR.M
337 A0A6Q8PGK1_HUMAN R.QL[pS]SGVSEIR.H
338 A0A6Q8PGN3_HUMAN K.AEDEEELLRV[pS]GGVDM#[pS][pS]HQEV[pS]C
SPVSAQLLSVLQGLLHLEPTLRS[pS]QLLWEALE[
pS]LVNR.A
339 A0A6Q8PHH2_HUMAN R.LSQSSQDS[pS]PVRNLQSFSGTEEPAYSTR.R
340 A0A6Q8PHH2_HUMAN R.LSQSSQD[pS]SPVRNLQSFSGTEEPAYSTR.R
341 A0A7I2V258_HUMAN R.STAQQELDGKPA[pS]PTPVIVASHTANKEEK.S
342 A0A7I2V2H8_HUMAN K.A[pS]VGAM#GGGVGA[pS][pS][pS]GGGPGGSG
GGGSGGPGAGT[pS]FPPPGVKLGRE[pY].-
343 A0A7I2V2H8_HUMAN K.ASVGAM#GGGVGA[pS][pS][pS]GGGPGG[pS]G

344 A0A7I2V2K5_HUMAN GGG[pS]GGPGAGTSFPPPVGKLGRE[pY].-
 K.VQGEAVSNIQENTQTPTVQEE[pS]EEEEVDETG
 VEVK.D
 345 A0A7I2V2K5_HUMAN K.VQGEAVSNIQENTQ[pT]PTVQEE[pS]EEEEVDE
 TGVEVK.D
 346 A0A7I2V2K5_HUMAN K.FKVQGEAVSNIQENTQTP[pT]VQEESEEEEEVDE
 TGVEVK.D
 347 A0A7I2V2K5_HUMAN K.FKVQGEAVSNIQENTQTPTVQEE[pS]EEEEVDE
 TGVEVK.D
 348 A0A7I2V2L6_HUMAN K.SE[pS]PKEPEQLR.K
 349 A0A7I2V2R3_HUMAN R.SSG[pS]PYGGGYGSGGGSGGYGSR.R
 350 A0A7I2V2U7_HUMAN K.VVVSP[pT]K.K
 351 A0A7I2V2U7_HUMAN K.KVVVSP[pT]K.K
 352 A0A7I2V2U7_HUMAN R.LELQGPRG[pS]PNAR.S
 353 A0A7I2V2X6_HUMAN R.TVIIEQSWG[pS]PK.V
 -
 354 A0A7I2V306_HUMAN .[pS]GM#PFIDVP[pT]PISSASSEAASAVVSPSTDS
 GLEFSSQTT[pS]K.E
 355 A0A7I2V326_HUMAN K.SS[pS]PAPADIAQTVQEDLR.-
 356 A0A7I2V326_HUMAN K.[pS]SSPAPADIAQTVQEDLR.-
 357 A0A7I2V326_HUMAN K.S[pS]SPAPADIAQTVQEDLR.-
 358 A0A7I2V349_HUMAN K.M#APPPKEVEED[pS]EDEEM[pS]EDEEDDS[pS]
 GEEVVIPQKK.G
 359 A0A7I2V349_HUMAN K.M#APPPKEVEED[pS]EDEEM[pS]EDEEDD[pS]S
 GEEVVIPQKK.G
 360 A0A7I2V351_HUMAN R.NVSSFPDDAT[pS]PLQENR.N
 361 A0A7I2V3E2_HUMAN K.NLEELEEKST[pT]PPPAEPVSLPQEPPK.A
 -
 362 A0A7I2V3K8_HUMAN .HVW[pS]AGCVLAELLLGQPIFPGDSGVDQLVEII
 KV[pS]PRNSI.-
 363 A0A7I2V3M5_HUMAN R.GGL[pS]PANDTGAK.K
 -
 364 A0A7I2V3V6_HUMAN .M#CG[pT]LLILDPEAGLRLFRSVALTGMMVCL
 M.-
 365 A0A7I2V4I5_HUMAN K.KEV[pS]PEVVR.S
 366 A0A7I2V4J2_HUMAN R.FGQAATMEGIGAIGG[pT]PPAFNR.A
 367 A0A7I2V4J2_HUMAN R.FGQAATM#EGIGAIGG[pT]PPAFNR.A
 368 A0A7I2V5M7_HUMAN K.SS[pS]PAPADIAQTVQEDLR.T
 369 A0A7I2V5M7_HUMAN R.YQDEVFGGFVTEPQEE[pS]EEVEEPEER.Q
 370 A0A7I2V5M7_HUMAN K.[pS]SSPAPADIAQTVQEDLR.T
 371 A0A7I2V5M7_HUMAN K.S[pS]SPAPADIAQTVQEDLR.T

372 A0A7I2V5S2_HUMAN K.CGSGPVHISGQHLVAVEEDAE[pS]EDEEEEDV
K.L

373 A0A7I2V5S2_HUMAN K.CGSGPVHI[pS]GQHLVAVEEDAEESEDEEEEDV
K.L

374 A0A7I2V647_HUMAN K.ST[pT]PPPAEPVSLPQEPPKPR.V

375 A0A7I2V647_HUMAN K.NLEELEEK[pS]TTPPAEPVSLPQEPPKPR.V

376 A0A7I2V647_HUMAN K.NLEELEEKST[pT]PPPAEPVSLPQEPPKPR.V

377 A0A7I2V647_HUMAN K.NLEELEEKs[pT]TTPPAEPVSLPQEPPKPR.V

378 A0A7I2V657_HUMAN K.LVSFHDD[pS]DEDLLHI.-

379 A0A7I2V657_HUMAN K.ALSSLHGDDQD[pS]EDEVLTIPK.V

380 A0A7I2V657_HUMAN K.ALS[pS]LHGDDQDSEDEVLTIPK.V

381 A0A7I2Y1C3_HUMAN K.WLREAE[ps]DHN.-
-

382 A0A7I2YQL3_HUMAN .ILNVNNGVPGGAAAA[pS][pS]A[pT]VAAA[pS]A
TTAASSSLATPELGS[pS]LK.K
-

383 A0A7P0T8C1_HUMAN .GINV[pT][pT]AV[pS]EV[pS]VPPKG[pT]SAAWAIL
PLLLLVM#AAVGGYLM#WR.N
-

384 A0A7P0T8F1_HUMAN .M[pS]QD[pT]EVDMKEVELNELEPEKQPM#NAA[
pS]GAAM#SLAGAEK.N

385 A0A7P0T937_HUMAN K.AEEDILNR[pS]PR.N

386 A0A7P0T937_HUMAN K.QK[pS]DAEEDGGTVSQEEEDRKPK.A

387 A0A7P0TAY5_HUMAN K.[pT]IDLVA YGDINGFSAM#AKTVGLP[pT]AMA
AK.M

388 A0A7P0TB85_HUMAN K.MFEAV[pS][pS]EQNPVIIAVVAVAGTIILVFM#
VFGFIIGRRHCGY[pS]K.A

389 A0A7P0TBF8_HUMAN M.[pS]QD[pT]EVDMKEVELNELEPEKQPM#NAAS
GAAM#SLAGAEK.N

390 A0A804F729_HUMAN R.LDID[pS]PPITAR.N

391 A0A804F729_HUMAN R.GERLLTPGACSSSEVPSAVPSRSGG[pS]PGH[pT]
VFSSER.S

392 A0A804HI84_HUMAN M.AAEEGVA[pS]AA[pS]AGG[pS]WGTAAM#GRV
LPM#LLVPVPAEAMGQLGSRAQLR.T

393 A0A804HIQ1_HUMAN K.RLLPVVRAPNIDGSDLH[pS]AVII[pT]WINM#[p
S][pT][pS]NK.T

394 A0A804HIV2_HUMAN -.STPWRV[pY]HLI[pS]VMILGRVIMQIIK.D

395 A0A804HJE2_HUMAN K.[pS]DQL[pT]PHSQASVTQNITVVPVSTGLMTA
GVSC[pS]QR.W

396 A0A804HJH1_HUMAN R.VKESSIIAPAPAEDVD[pT]PPR.K

397 A0A804HK06_HUMAN K.RPG[pT]SQAGYTN YGDIAVATTEDNLSSSY[pS]

	AVALDK.A
398	A0A804HKE7_HUMAN K.DMESP[pT]KLDVTLAK.D
399	A0A804HKE7_HUMAN K.DME[pS]PTKLDVTLAK.D
400	A0A804HKE7_HUMAN K.DM#E[pS]PTKLDVTLAK.D
401	A0A804HKE7_HUMAN K.DM#ESP[pT]KLDVTLAK.D
402	A0A804HKE7_HUMAN K.VG[pS]LDNVGHLPAAGAVK.T
403	A0A804HKE7_HUMAN K.KC[pS]LPAEEDSVLEK.L
404	A0A804HKE7_HUMAN K.TTTAAAVASTGPS[pS]RSPSTLLPK.K
405	A0A804HKE7_HUMAN K.DMSPLSETEMALGKDV[pT]PPPETEVLIIK.N
406	A0A804HKE7_HUMAN K.TTTAAAVASTGP[pS]SRSPSTLLPK.K
407	A0A804HKJ8_HUMAN R.KAGR[pS]DSSSSGGGGSPSEASGLGLDFED[pS] VWKPEVNPDIK.S
408	A2A2M0_HUMAN R.TFQQIQEEEDDDYPGSY[pS]PQDPSAGPLLTEE LIK.A
409	A2A2V1_HUMAN K.[pT]NM#KHM#AGAAAAGAVVGGGLGGYM#LG[pS]AMSRPIIHFSGSDYEDR.Y
410	A2IBA6_HUMAN R.FNQDLKVAAl[pS]LM#FS[pT]G[pS]LIGPRYK. L
411	A2MG_HUMAN K.WI[pT]KQQNAQGGF[pS][pS][pT]QDTVVALHA LSKYGAA[pT]F[pT]R.T
412	A6NGQ3_HUMAN R.EVQAEVGA[pS]ATLSCEVAQDQM#EVTWYK. D
413	A6NNK5_HUMAN K.M#VIQGPS[pS]PQGEAMVTDVLEDQKEGR.S
414	A6NNK5_HUMAN K.M#VIQGPS[pS]PQGEAM#VTDVLEDQKEGR.S
415	A6NNK5_HUMAN R.[pS]DSPEIPFQAAAGPSDGLDASSPGNSFVGLR. V
416	A6NNK5_HUMAN R.[pS]DSPEIPFQAAAGPSDGLDAS[pS]PGNSFVG LR.V
417	A6NNK5_HUMAN R.R[pS]DSPEIPFQAAAGPSDGLDASSPGNSFVGL R.V
418	A6NNK5_HUMAN K.EQL[pS]AQELMESGLQIQKSPEPEVLSTQEDLF DQSNK.T
419	ACACB_HUMAN R.QLM#TNFILGSFDDY[pS][pS]DEDSVAGSSRES TRK.G
420	ACINU_HUMAN R.TAQVP[pS]PPR.G
421	ACINU_HUMAN R.LQPERG[pS]PK.K
422	ACINU_HUMAN R.TAQVP[pS]PPRGK.I
423	ACINU_HUMAN R.DSSTSYPETKDPSSGQEVAl[pT]PPVPQLQVCEP K.E
424	ACLY_HUMAN K.AKPAMPQDSVP[pS]PR.S
425	ACLY_HUMAN R.TA[pS]FSESRADEVAPAK.K

426 ACLY_HUMAN R.TA[pS]FSESRRADEVAPAKK.A
427 ACLY_HUMAN R.[pT]ASFSESRRADEVAPAK.K
428 ACLY_HUMAN R.[pT]ASFSESRRADEVAPAKK.A
429 ADA30_HUMAN K.VCSLE[pY]AGSVSTLLDTNILAPATW[pS]AHEL
GHAVGM#SHDEQYCQCRGR.L
430 ADT2_HUMAN K.GMLPDPKNTHIVISWM#IAQ[pT]V[pT]AVAGL
TSYPFDTVR.R
431 AEDO_HUMAN K.ATLQPLPPNLPPV[pT][pY]M#HIYE[pT]DGF[pS]
LGVFLLK.S
432 AFAP1_HUMAN K.SGTSSPQ[pS]PVFR.H
433 AGAP2_HUMAN K.GSKSSAGTGASVSAAATAAAAAGGGG[pS][pT]A
STSGGVGAGAGARGK.L
434 AGAP7_HUMAN K.WPSLACTLACTPISSSK[pS]DGLSKDM#DTGLGD
SICFSPSISSTTIPK.L
435 AGFG1_HUMAN K.GTPSQ[pS]PVVGR.S
436 AHNK_HUMAN K.DIDIS[pS]PEFK.I
437 AHNK_HUMAN K.GGVTG[pS]PEASISGSK.G
438 AHNK_HUMAN R.EGAKDIDIS[pS]PEFK.I
439 AHNK_HUMAN R.LPSGSGAA[pS]PTGSAVDIR.A
440 AHNK_HUMAN K.ASLG[pS]LEGEAEAEASSPK.G
441 AHNK_HUMAN K.ASLGSLEGEAEAEAS[pS]PK.G
442 AHNK_HUMAN K.GGVTG[pS]PEASISGSKGDLK.S
443 AHNK_HUMAN R.LK[pS]EDGVEGDLGETQSR.T
444 AHNK_HUMAN K.TVIRLPSGSGAA[pS]PTGSAVDIR.A
445 AHNK_HUMAN K.[pT]VIRLPSGSGAASPTGSAVDIR.A
446 AHNK_HUMAN K.TVIRLP[pS]GSGAA[pS]PTGSAVDIR.A
447 AHNK_HUMAN R.SN[pS]FSDEREFSGPSTPTGTLEFEGGEVSLEGG
K.V
448 AHNK_HUMAN R.SNSF[pS]DEREF[pS]GPSTPTGTLEFEGGEVSLE
GGK.V
449 AHNK_HUMAN K.GGV[pT]GSPEASISGSKGDLK.S
450 AHNK_HUMAN K.ASLGSLEGEAEAEA[pS]SPK GK.F
451 AHNK_HUMAN K.TVIRLPSG[pS]GAASPTGSAVDIR.A
452 AHNK_HUMAN R.SNSF[pS]DEREFSGPSTPTGTLEFEGGEVSLEGG
K.V
453 AHNK_HUMAN R.[pS]NSFSDEREFSGPSTPTGTLEFEGGEVSLEGG
K.V
454 AHNK_HUMAN K.VDVK[pS]PK.T
455 AHNK_HUMAN K.GKGGVTG[pS]PEASISGSK.G
456 AHNK_HUMAN K.ASLG[pS]LEGEAEAEAS[pS]PK.G
457 AHNK_HUMAN K.ASLG[pS]LEGEAEAEAS[pS]PK GK.F

458 AHNK_HUMAN K.A[pS]LGSLEGEAEAEAS[pS]PKGK.F
459 AHNK_HUMAN K.TVIRLP[pS]GSGAASPTG[pS]AVDIR.A
460 AHNK2_HUMAN R.DAHDV[pS]PTSTDTEAQLTVER.Q
461 AHNK2_HUMAN K.[pY]QVTVPRAALAPELALEIP[pS]G[pS]QADIPL
PK.T
462 AHNK2_HUMAN R.DAHDVSPTS[pT]DTEAQLTVER.Q
463 AHNK2_HUMAN K.VEAEVSLP[pS]M#QGDLK[pT]TDISIEPPSAQLE
VQAGQVDLK.L
464 AHNK2_HUMAN R.DAHDVSPT[pS]TDTEAQLTVER.Q
465 AKA12_HUMAN K.GLAEVQQDGEAEEGAT[pS]DGEK.K
466 AKA12_HUMAN K.EVSSLEG[pS]PPPCLGQEEAVCTK.I
467 AKA12_HUMAN K.GLAEVQQDGEAEEGAT[pS]DGEKKR.E
468 AKA12_HUMAN K.LKETCVSGEDPTQGADL[pS]PDEK.V
469 AKAP2_HUMAN R.QVLQSTQ[pS]PR.T
470 AKAP2_HUMAN R.DALGDSLQVPVSPS[pS]TTSSR.C
471 AKAP2_HUMAN K.VKPPPSP[pT]TEGPSLQPDLAPEEAAGTQRPK.N
472 AKAP2_HUMAN K.GQK[pS]PGALETPSAAGSQGNTASQGK.E
473 AKT2_HUMAN R.YFDDEFTAQSITI[pT]PPDRYDSLGLLELDQR.T
474 AKTS1_HUMAN R.LN[pT]SDFQK.L
475 ALG3_HUMAN R.SG[pS]AAQAEG LCK.Q
476 AMER3_HUMAN R.GPDMLEQKQSSS[pS]P[pS]M[pT]TIHGLPYSAS
TQDQRCR.D
477 AN32B_HUMAN R.KRE[pT]DDEGEDD.-
478 ANCHR_HUMAN R.VTLQDYRLPD[pS]DDDEDEETAIQR.V
479 ANKL2_HUMAN R.SG[pT]PVPPP[pS]AAAAPA[pS]GEM#TM#DALL
AR.L
480 ANM3_HUMAN R.GAVENEEDLPEL[pS]D[pS]GDEAAWEDEDDAD
LPHGK.Q
481 ANM5_HUMAN R.IKL[pY]AVEKNPNNAVVTLENWQFEEWGSQV[p
T]VVS[pS]DMR.E
482 APC4_HUMAN K.IKEEVL[pS]ESEAENQQAGAAALAPEIVIK.V
483 APLP1_HUMAN R.AQPAIG[pS]LAGG[pS]PGAAEAPG[pS]AQVAGL
CGRLTLHR.D
484 ARAP1_HUMAN R.LFPEFDD[pS]DYDEVPEEGPGAPAR.V
485 ARAP3_HUMAN R.LDFTAWNA AIGGAAGGGG[pT]GLQEQQM#[pS
]RGDIPIVDACI[pS]FVTQHGLR.L
486 ARGL1_HUMAN R.AS[pS]PPDRIDIFGR.T
487 ARM12_HUMAN K.QDEYAK[pS]MILH[pS]ITRCV[pY]LLEAEA[pS]
AC[pT][pT]DDIVLLG[pY]M#LDDK.D
488 ARMX3_HUMAN R.YNDW[pS]DDDDDSNESK.S
489 ARMX4_HUMAN K.AM#VGAEPETQSESKVVAGTLVM[pT]EAV[pT]

LTEVKAK.A
 490 ASPH_HUMAN K.SSGNSSSSGSGSGSTSAGSS[pS]PGAR.R
 491 ASPH_HUMAN K.SSGNSSSSGSGSGSTSAGSS[pS]PGARR.E
 492 ASTN1_HUMAN K.VETETVLSFVDDII[pS]GAKSPCAM#PSQVPDK.
 Q
 493 ASTN1_HUMAN R.DPKVLTFFPE[pY]ITSL[pS]D[pS]G[pT]KHM#AA
 GVR.M
 494 ATG4B_HUMAN R.FFD[pS]EDEDFEILSL.-
 495 ATN1_HUMAN R.SEEI[pS]ESESEETNAPK.K
 496 ATPF2_HUMAN R.LLNRPAGGP[pS]A[pS]MSPGP[pT]IP[pS]PARAY
 APP[pT]ERK.R
 497 ATRX_HUMAN K.LTPVSL[pS]NSPIKGADCQEVQDKDGYK.S
 498 ATRX_HUMAN K.SSGSSR[pS]K.R
 499 ATRX_HUMAN R.RPTETNPVTSN[pS]DEECNETVKEK.Q
 500 ATRX_HUMAN K.LTPVSLSN[pS]PIKGADCQEVQDKDGYK.S
 501 ATX2L_HUMAN K.STSTPT[pS]PGPR.T
 502 ATX2L_HUMAN K.EKEVDGLLTSEPMG[pS]PVSSK.T
 503 ATX2L_HUMAN K.EKEVDGLLTSEPMGSPV[pS]SK.T
 504 ATX2L_HUMAN K.TLSSP[pS]NRPSGETSVPPPPAVGR.M
 505 ATX2L_HUMAN K.TLS[pS]PSNRPSGETSVPPPPAVGR.M
 506 B0QY63_HUMAN R.YSQGDDDDGSSSSGSSVAGSQSTLTKD[pS]PLR
 .T
 507 B0YIW6_HUMAN K.APGFGGFGSSAVSGGSTAAMITE[pT]IITDKP
 KVAPAPARPSGPSK.A
 508 B1AK63_HUMAN R.EPGSGTESD[pT][pS]PDFHNQENEPSQEDPEDL
 DGSVQGVKPK.A
 509 B2R5W2_HUMAN K.MESEGGADD[pS]AEEGDLLDDDDNEDRGDDQ
 LELIK.D
 510 B2R5W2_HUMAN K.MESEGGADD[pS]AEEGDLLDDDDNEDRGDDQ
 LELIKDDEK.E
 511 B2R5W2_HUMAN K.M#ESEGGADD[pS]AEEGDLLDDDDNEDRGDD
 QLELIKDDEK.E
 512 B3A2_HUMAN R.A[pS]KGAQAGTQVEEAEAEAVAVA[pS]G[pT]A
 GGDDGGASGRPLPK.A
 513 B3A4_HUMAN R.WDP[pT]ARIPPPK.C
 514 B4DJX4_HUMAN K.ERPI[pS]MINEA[pS]NYNV[pT][pS]D[pY]AVHP
 M#SPVGRTSR.A
 515 B4DQA8_HUMAN R.MFE[pT]M#AIEIEQLLARLTGVNDKM#AEYTN
 SAGVPSLNAALMH[pT]LQR.H
 516 B4DY08_HUMAN K.NDK[pS]EEEQSSSSVK.K
 517 B4DY08_HUMAN K.MESEGGADD[pS]AEEGDLLDDDDNEDRGDDQ

VK.T
518 B4DY08_HUMAN K.M#ESEGGADD[pS]AEEGDLLDDDDNEDRGDD
QVK.T
519 B4E135_HUMAN R.TEEETPKESLTEAEVA[pT]EKEGEDGDQP[pT]T
PPKPLK.T
520 B5MC51_HUMAN K.LS[pT]PQKK.-
521 B7Z3B9_HUMAN R.[pS]Y[pS]HDVLPKVSPSSTEADGELYVFNTPSG
T[pS][pS]VE[pT]QM#R.H
522 B7Z6W2_HUMAN R.AQQRE[pT][pS]FATM#G[pT]EG[pS]LILSF.-
523 B8ZZQ6_HUMAN R.DAPANGNANEENGEQEADNEVDEEEEEEGGEE
EEEEEGDEDEGDEDEEAE[pS]A[pT]GKR.A
524 BAG3_HUMAN R.SQ[pS]PAASDCSSSSSSASLPSSGR.S
525 BAG3_HUMAN K.VPPAPVPCPPSPGPSAVPS[pS]PK.S
526 BAG3_HUMAN K.VPPAPVPCPPSPGPSAVP[pS]SPK.S
527 BARH2_HUMAN M.[pT]M#EGA[pS]G[pS][pS]FGID[pT]IL[pS]SASSG
SPGMM#NGDFRPLGEAR.T
528 BASP1_HUMAN K.ETPAATEAPSS[pT]PK.A
529 BASP1_HUMAN K.KTEAPAAPAAQE[pT]KSDGAPASDSKPGSSEA
APSSK.E
530 BASP1_HUMAN K.KTEAPAAPAAQETK[pS]DGAPASDSKPGSSEA
APSSK.E
531 BAZ1A_HUMAN K.LSSSF[pS]SR.G
532 BAZ2B_HUMAN K.TTSSVKSPSM#SL[pT]GH[pS][pT]PR.N
533 BCL9L_HUMAN R.EAPG[pS]PPLSPR.G
534 BCOR_HUMAN R.[pS][pS][pS]CPRM#GG[pT]DAVI[pT]NV[pS]G[pS]
]V[pS][pS]AGRPA[pS]A[pS]PAPNANADG[pT]K[pT]
][pS]R.S
535 BCR_HUMAN R.ASASRPQPAPADGADPPPAAEPEARPDGEG[pS]
PGK.A
536 BD1L1_HUMAN K.SPETG[pT]AGGSSTASYSAGR.G
537 BGP11_HUMAN R.GKPRLGGGSLGG[pS]PAAVVWLHVHVGATGRD
AV[pS]PR.E
538 BI2L1_HUMAN K.LLEENETEAVTVPTPSP[pT]PVR.S
539 BIN1_HUMAN R.VNHEPEPAGGATPGATLPK[pS]PSQLR.K
540 BIN1_HUMAN K.GNKSPSPPDG[pS]PAATPEIR.V
541 BIN1_HUMAN K.GNK[pS]PSPPDGSPAATPEIR.V
542 BORG4_HUMAN K.AGPDLPSPSHALEDEGWAAAAP[pS]PGSAR.S
543 BORG4_HUMAN K.AGPDLPSPSHALEDEGWAAAAPSPG[pS]AR.S
544 BRD3_HUMAN R.SE[pS]PPPLSDPK.Q
545 BRE1A_HUMAN K.ALVVPEPEPDS[pS]NQER.K
546 BRWD3_HUMAN R.EPR[pT]GIK.R

547 BSN_HUMAN K.QFLNAE[pS]AYMDPM#KQNGGPL[pT]PG[pT][pS]P[pT]QLAAPV[pS]F[pS]TPT[pS][pS]D[pS][pS]GGRVIPDVR.V

548 BYST_HUMAN R.M#PQDG[pS]DDEDEEWPTLEK.A

549 BYST_HUMAN R.MPQDG[pS]DDEDEEWPTLEK.A

550 C2CD3_HUMAN K.ELAANSSRS[pT][pT]PRGK.D

551 C2D1A_HUMAN R.V[pT]LEGPSATAPAS[pS]PGLAKPQM#PPGPC[pS]PGPLAQLQ[pS]RQR.D

552 C9IZN0_HUMAN K.[pT][pS]FSTTTLLPPIK.V

553 C9J019_HUMAN R.SWDSSSPVDRPEPEEAASPT[pT]R.T

554 C9J019_HUMAN R.SQDATFSPG[pS]EQAEEKSPGPIVSR.T

-

555 C9J1H7_HUMAN .MAPPPKEVEED[pS]EDEEM[pS]EDEEDDS[pS]GEVVIPQKK.G

-

556 C9J1H7_HUMAN .MAPPPKEVEED[pS]EDEEM[pS]EDEEDD[pS]SGEVVIPQKK.G

557 C9J813_HUMAN K.RG[pS]IGENQIKDEK.I

558 C9JAT8_HUMAN M.E[pS]KDEVSDTDSGILQSGPDSVSPMK.E

559 C9JC88_HUMAN R.ASEIDQVVPAAQS[pS]PINCEKR.E

560 C9JE09_HUMAN M.TS[pS][pS]PAGLEG[pS]DLSSINTM#M#SAVMSVGKVTENGGSPQGIK.S

561 C9JEJ2_HUMAN R.WPFSGK[pT]SPPCSPANLSR.H

562 C9JGN4_HUMAN R.RPP[pS]PDVIVL[pS]DNEQPS[pS]PR.V

563 C9JLB1_HUMAN K.VVV[pS]PTK.K

564 C9JLB1_HUMAN K.VVVSP[pT]KK.V

565 C9JLB1_HUMAN K.KVVV[pS]PTK.K

566 C9JLB1_HUMAN K.KVVV[pS]PTKK.V

567 C9JLB1_HUMAN K.KVVVSP[pT]KK.V

568 C9JLB1_HUMAN K.KED[pS]DEEEDDD[pS]EEDEEDDEDEDEDEDEI
EPAAMK.A

569 C9JLB1_HUMAN K.KED[pS]DEEEDDD[pS]EEDEEDDEDEDEDEDEI
EPAAM#K.A

-

570 C9JLB1_HUMAN .M#APPKKEVEED[pS]EDEEM[pS]EDEEDDS[pS]GEEVVIPQKK.G

-

571 C9JLB1_HUMAN .M#APPKKEVEED[pS]EDEEM[pS]EDEEDD[pS]SGEEVVIPQKK.G

572 C9JLB1_HUMAN K.NAKKED[pS]DEEEDDD[pS]EEDEEDDEDEDEDED
EDEIEPAAMK.A

573 C9JLB1_HUMAN K.AAAAAPA[pS]EDEDDEDDEDDEDDEDDDDDEEDD
[pS]EEEAMETTPAK.G
574 C9JLB1_HUMAN K.NAKKED[pS]DEEEDDD[pS]EEDEEDDEDEDED
EDEIEPAAM#K.A
575 C9JLB1_HUMAN K.AAAAAPA[pS]EDEDDEDDEDDEDDEDDDDDEEDD
[pS]EEEAM#ETTPAK.G
576 C9JLK0_HUMAN K.NHARVTVVCEPED[pY]VVVSTEMQSSE[pS]KD
TSLETR.R
577 C9JMN4_HUMAN K.MDA[pS]LG NFLFAR.S
578 C9JQE8_HUMAN R.EG[pT]PPPPPPSR.D
579 C9JSQ1_HUMAN R.L[pS]EM#[pT]EAEQQQLIDDHFLFDKPVSPLL[p
T]AAGM#A.-
580 C9JW69_HUMAN K.RR[pS]PPADAIPK.S
581 C9JW69_HUMAN K.SGQV[pY][pS]FGCNDEGALGRDTSVEGSEMVP
GKVELQEK.V
582 C9JZ58_HUMAN R.HCPEPRRGENCCA[pS]EVMAEMEFPCPCPGW[
pS]AMAR.S
583 C9JZE8_HUMAN K.ELHGFEKTTACGRCI[pS]GMFVFL[pT][pY]VLG
VAWLGVFGFSAVPVFM#FY.-
584 C9JZI7_HUMAN R.EFITGDVEPTDAESEWH[pS]ENEEEEKLAGDM
#K.S
585 CA052_HUMAN R.LLPEGEETLE[pS]DDEKDEHTSK.K
586 CA216_HUMAN R.SPPEGAEIPGAEPEKM#GGAGTVCSPLEDNGY
AS[pS][pS]LSIDSR.S
587 CACB1_HUMAN R.QNRLGSSKSGDNSSSSLGDVVTG[pT]R.R
588 CAF1B_HUMAN R.GS[pS]PGPRPVEGTPASR.T
589 CALM1_HUMAN R.[pS]LGQNPTEAELQDM#INEVDADGNGTIDFPE
FL[pT]MM#AR.K
590 CALX_HUMAN K.QK[pS]DAEEDGG[pT]VSQEEEDRKPK.A
591 CALX_HUMAN K.QK[pS]DAEEDGGTV[pS]QEEEDRKPK.A
592 CAMP2_HUMAN K.LNQS[pS]PDNVTDTK.G
593 CAN15_HUMAN R.VQGCFPS[pS]ASAPVGV TALT VLER.A
R.CRKIRPVSAFISG[pS]PQDM#E[pS]QLGNLGI PP
594 CARL3_HUMAN GWF[pS]GLGG[pS]QP[pT]A[pS]G[pS]WEG LSELP
THGYK.L
R.SSGALGLPP[pS]LLGAKD[pT]EHEE[pS]SNDDL
595 CASZ1_HUMAN VDFSALSSK.N
K.ESEALPEKEGEELGEGERPEEDAAALEL[pS][pS]
596 CAVN1_HUMAN]DEAVEVEEVIEESR.A
K.APEPLGPADQSELGPEQLEAEVGE[pS][pS]DEE
597 CAVN3_HUMAN PVESR.A

598 CBPA5_HUMAN -.M#QGTPGGGTRPGP[pS]PVDRR.T
599 CBX1_HUMAN R.KADSD[pS]EDKGEESKPK.K
600 CBX1_HUMAN R.KAD[pS]DSEDKGEESKPK.K
601 CBX2_HUMAN R.HATATKGV PATNPAPGKGTG SGLIGA[pS]GA[p
T]M#P[pT]D[pT]SK.S
602 CCD43_HUMAN K.AALLAQYADVTDEEDEADEKDDSGAT[pT]MN
IGSDK.L
603 CCD80_HUMAN K.KSVADLLG[pS]FEGK.R
604 CCD80_HUMAN R.F[pT]M#LLAMWL VCGSEPHPHATIRGSHGGR.
K
605 CCD86_HUMAN R.LGGLRPE[pS]PESLTSVSR.T
606 CCD86_HUMAN R.LQQGAGLESPQGQPEPGAA[pS]PQR.Q
607 CCD86_HUMAN R.ALVEFESNPEETREPG[pS]PPSVQR.A
608 CCD86_HUMAN R.ALVEFESNPEETREPGSPP[pS]VQR.A
609 CCD86_HUMAN R.LQQGAGLESPQGQPEPGAA[pS]PQRQDLHLE
SPQR.Q
610 CCD86_HUMAN R.RLGGLRPE[pS]PESLTSVSR.T
611 CCD86_HUMAN R.LQQGAGLESPQGQPEPGAA[pS]PQRQDLHLE
SPQRQPEYSPEPR.C
612 CCD86_HUMAN R.LQQGAGLE[pS]PQGQPEPGAASPQRQDLHLE
SPQRQPE[pY]SPE[pS]PR.C
613 CCNL1_HUMAN K.GLNPDGTPALSTLGGFSPA[pS]KP[pS]SPR.E
-
614 CCNL1_HUMAN .M#A[pS]GPH[pS][pT]A[pT]AAAAA[pS][pS]AAP[p
S]AGG[pS][pS][pS]G[pT][pT]TTTTTTTGGILIGDR.
L
615 CCNL1_HUMAN K.AEEK[pS]PISINVK.T
616 CCNY_HUMAN R.[pS]ASADNLTLP.R.W
617 CDAC1_HUMAN R.[pS]CDGTGAM#YFVGC GYN AFPVGSEYADFP
HMDDK.Q
618 CDV3_HUMAN R.AA[pS]AAGAAGSAGGSSGAAGAAGGGAGAG
TRPGDGGTASAGAAGPGAA[pT]KAV[pT]K.D
619 CDYL_HUMAN R.TAVDGFQSE[pS]PEKLDPVEQQQEDTVAPEVA
AEKPVGALLGPGAER.A
620 CEBPB_HUMAN R.AYLG YQAVPSGSSG[pS]LSTSSSSSPPGTPSPAD
AK.A
621 CEBPB_HUMAN R.AYLG YQAVPSGSSGSL[pS]TSSSSSPPGTPSPAD
AK.A
622 CF223_HUMAN R.SPGQV[pT]PR.G
623 CGRE1_HUMAN R.QE[pT]QEAPGPR.E
624 CHAP1_HUMAN R.GG[pS]PDLWK.S

625 CHAP1_HUMAN R.KT[pS]PASLDFPESQK.S
626 CHAP1_HUMAN K.LAPVP[pS]PEPQKPAPV[pS]PESVK.A
627 CHAP1_HUMAN R.KP[pS]PSESPEPWKPFPAVSPEPR.R
628 CHAP1_HUMAN K.LAPVP[pS]PEPQKPAPVSPE[pS]VK.A
629 CHD3_HUMAN R.IGEKM#ETEADAP[pS]PAPSLGER.L
630 CHIP_HUMAN R.LGAGGG[pS]PEKSPSAQELK.E
631 CHRC1_HUMAN R.VIM#K[pS][pS]PEV[pS][pS]INQEALVL[pT]AKA[
pT]ELFVQCLATY[pS][pY]R.H
632 CHSP1_HUMAN R.TF[pS]ATVR.A
633 CIR1_HUMAN R.NLTANDPSQEYVA[pS]EGEEDPEVEFLK.S
634 CMAS1_HUMAN M.HHVRQLMM#PICPM#ALN[pS]TTSSSTTFGAF
R.I
635 CNNM3_HUMAN K.TTTAAGSSHSRPGVPVEG[pS]PGRNPGV.-
636 CO2A1_HUMAN R.GF[pT]GLQGLPGPPGP[pS]GDQGA[pS]GPAGPS
GPRGPPGPVGP[pS]GK.D
637 CO3A1_HUMAN R.GMPGSPGGPGSDGKPGPPGSQGESGRPGPPGP[
pS]GPR.G
638 CO3A1_HUMAN R.GM#PGSPGGPG[pS]DGKPGPPGSQGESGRPGPP
GPSGPRGQPGVM#GFPGPK.G
639 CO3A1_HUMAN R.GM#PG[pS]PGGPG[pS]DGKPGPPG[pS]QGE[pS]
GRPGPPGPSGPRGQPGVM#GFPGPK.G
640 CO5_HUMAN R.IVACASYKPSREESSSGSSHAVM#DI[pS]LPTGI
SANEEDLK.A
641 CO5_HUMAN R.E[pT]VL[pT]FIDPEGSEVDM#VEEIDHIGII[pS]FP
DFK.I
642 CO9A2_HUMAN K.DG[pT]PGTPGM#KGSAGQAGQPG[pS]PGHQGL
AGVPGQPGTK.G
643 COCA1_HUMAN K.AALVIQQ[pS]GFSVFVVGADVD[pY]NELANI
ASKP[pS]ER.H
644 COCA1_HUMAN R.QHAL[pS]VGPQTTLSVRDLSADTEYQISVSA
M#KGM#T[pS][pS]EPI[pS]IMEK.T
645 COHA1_HUMAN R.GSSSS[pS]H[pS][pS][pS]VRRGSSYSSSM#STGG
GGAGSLGAGGAFGEAAGDR.G
646 COHA1_HUMAN R.GSSSSSHSSSVRRG[pS][pS]Y[pS][pS]SM#STGG
GGAGSLGAGGAFGEAAGDR.G
647 COHA1_HUMAN R.GSS[pS][pS][pS]H[pS]SSVRRGSSYSSSM#STGG
GGAGSLGAGGAFGEAAGDR.G
648 COQA1_HUMAN K.SVDQA[pS]SRK.-
649 CORA1_HUMAN K.G[pY]QGQLGEM#GVPGDPGPPGTPGPKG[pS]R
G[pS]LGPTGAPGR.M
650 CORA1_HUMAN M.GAG[pS]ARGAR.G

651 CORA1_HUMAN R.[pT]GAKGAKGYQGQLGEM#GVPGDPGPPG[pT]
]PGPK.G
652 CP2S1_HUMAN R.CLVETFQG[pT]EGRPFDP[pS]LLLAQATSNVVC
SLLFGLRFSYEDK.E
653 CPSF2_HUMAN K.EADID[pS][pS]DE[pS]DIEEDIDQPSAHK.T
654 CPSM_HUMAN K.EIGF[pS]DK.Q
655 CR063_HUMAN K.NT[pS]VLGSPK.R
656 CRLF2_HUMAN R.M#LDPQ[pT]EEKEASGG[pS]LQLPHQPLQGGD
VV[pT]IGGFTFVM#NDR[pS][pY]VAL.-
657 CRTC3_HUMAN R.SQLSFLPTEAQAQV[pS]PPPPYPAPQELTQPLL
QQPR.A
658 CS024_HUMAN R.YGLLANTEDPTEMA[pS]LD[pS]DEETVFESR.N
659 CSKI1_HUMAN R.A[pS]DLAG[pS]VD[pT]G[pS]AGSVKSIAAM#LE
L[pS][pS]IGGGGRAAR.R
660 CSN3_HUMAN R.AL[pY]FYEQAIT[pT]PAM#AV[pS]HIM#LE[pS]Y
KKYILVSLILGK.V
661 CSPG2_HUMAN K.AVTADGFP[pT]V[pS]VMLPLH[pS]EQNK[pS]SP
DPTSTLSNTVS[pY]ERSTDGSFQDR.F
662 CSRP1_HUMAN K.GFGFGQGAGALVH[pS]E.-
663 CTNA1_HUMAN R.SRT[pS]VQTEDDQLIAGQSAR.A
664 CTNA1_HUMAN R.TPEELDD[pS]DFETEDFDVR.S
665 CTNA1_HUMAN R.DLIYKQLQQAVTGISNAAQATA[pS]DDASQHQ
GGGGGELAYALNNFDK.Q
666 CTR9_HUMAN K.GGEFDEFVNDD[pT]DDDLPIK.K
667 CTR9_HUMAN K.KGGEFDEFVNDD[pT]DDDLPIK.K
668 D3DPS3_HUMAN R.LSASTASEL[pS]PK.S
669 D3DPS3_HUMAN K.QLPLEPESP[pS]GQVGPRPAPPQEE[pS]PSSEAK
.S
670 D3DPS3_HUMAN K.QLPLEPESPSGQVGPRPAPPQEESP[pS]SEAK.S
671 D3DPS3_HUMAN K.QLPLEPESP[pS]GQVGPRPAPPQEESP[pS]SEAK
.S
672 D3DPS3_HUMAN K.QLPLEPE[pS]PSGQVGPRPAPPQEE[pS]PSSEAK
.S
673 D6R8Y0_HUMAN R.QTP[pS]PDVVLR.G
674 D6R9B7_HUMAN R.SKLLPTSLQNEFIPKEVLLSL[pT]YAANAGPCPE
.-
675 D6R9Q7_HUMAN M.ANM#NSDSRHLGTSEVDHERDPGPMNIQFEP[
pS]DLR.S
676 D6RB95_HUMAN R.[pY]AGLLLGCAWGQSLAFSGAALGCSWLGY[p
S]SAFASCSLR.L
677 D6RE79_HUMAN R.[pS]LPVLGLGLLLY[pS]FAAAVVVPCL[pS][pS]

678 D6RGJ8_HUMAN VVAGYG[pS]PGQKG[pT]VMG[pT]LR.S
 R.TCEERPAEDG[pS]DEEDPDSMEAPTR.I
 679 DBNL_HUMAN R.YQEQGGEA[pS]PQRTWEQQQEVVSR.N
 680 DC1L1_HUMAN R.KPVTVSPTTPT[pS]PTEGEAS.-
 681 DC1L1_HUMAN R.DFQEYVEPGEDFPA[pS]PQRR.N
 R.SGELGLPGAPES[pS][pT]A[pS]APGEPSPSPPC
 682 DCA10_HUMAN R.R
 R.VRQEFEFNMTA[pT]HHFSVDLNASRSLSQVAM
 #DLHEAVSM#K.L
 683 DCST2_HUMAN K.DSLGDDID[pS]EKD[pS]LNIVMDQGDTPLEEDL
 K.K
 684 DDHD2_HUMAN R.ELPQM#M#DEVGRILCNLCGVVPGGVVCFPP[p
 S]YEYLR.Q
 685 DDX11_HUMAN K.NEEP[pS]EEEIDAPKPK.K
 686 DDX21_HUMAN K.VTKNEEP[pS]EEEIDAPKPK.K
 687 DDX21_HUMAN R.YMAENPTAGVVQEEEEEDNLEYD[pS]DGNPIAP
 TKK.I
 688 DDX42_HUMAN R.YM#AENPTAGVVQEEEEEDNLEYD[pS]DGNPIA
 PTKK.I
 689 DDX42_HUMAN K.RANFDEENAYFEDEEEDSSNVDLPYIPAENSP[
 pT]R.Q
 690 DDX42_HUMAN K.LTVEN[pS]PKQEAGISEGQGTAGEEEEEK.K
 691 DENR_HUMAN R.SS[pS]FSDTLEESSPIAAIFDTENLEK.I
 692 DESP_HUMAN K.WV[pS]VM#ERPKTCDHPIR.F
 693 DET1_HUMAN R.SISASKA[pS]PPGDLQNP.K.R
 694 DFFA_HUMAN R.SI[pS]ASKASPPGDLQNP.K.R
 695 DFFA_HUMAN R.SISASKA[pS]PPGDLQNP.K.R
 696 DFFA_HUMAN R.INEIKSEEVPAFGVA[pS]PPPLTDTPTTANAEG
 DLPTTMGGPLPPHLALK.A
 697 DHX9_HUMAN R.QEAIPLDLED[pS]PPV[pS]DSEEQQESAR.A
 698 DIDO1_HUMAN R.SS[pS]PAGETEGDREPQARPGEGTAPLPPPGQK.
 V
 699 DIDO1_HUMAN K.TAPRQEAIPLDLED[pS]PPVSD[pS]JEEQQESAR.A
 700 DIDO1_HUMAN K.AGLESGAEPGDGD[pS]DTTK.K
 701 DKC1_HUMAN M.M#ALGAAGA[pT]RVFVAM#VAAALGGHPLL
 G
 702 DKK1_HUMAN VSA[pT]LNSVLNSNAIK.N
 K.IMKNGEMPPEH[pS]PSSSDPM#ACNSPQSPAV
 703 DLX5_HUMAN WEPQGS[pS]R.S
 704 DNAI3_HUMAN R.HCAVS[pS]IENGHKK.V
 705 DOC2A_HUMAN K.HWSDCLQQPDAALERWHTLT[pS]ELPPAAGA
 LSSA.-

706 DPH2_HUMAN .M#ESM#F[pS]SPAEEAALQRETGVPGLL[pT]PLPD
 LDGVYELER.V
 707 DPYD_HUMAN K.SL[pS]VNEMTLSTLK.E
 708 DREB_HUMAN R.LS[pS]PVLHR.L
 709 DREB_HUMAN R.MAPTPIP[pT]RSPSDSSTASTPVAEQIER.A
 710 DREB_HUMAN R.MAPTPIPTRSP[pS]DSSTASTPVAEQIER.A
 711 DREB_HUMAN R.M#APTPIPTR[pS]PSDSSTASTPVAEQIER.A
 712 DREB_HUMAN K.EGTQASEGYFSQ[pS]QEEEFQAQSEELCAK.A
 713 DREB_HUMAN R.MAPTPIPTR[pS]PSDSSTASTPVAEQIER.A
 714 DTX2_HUMAN R.VQQALAGM[pT][pS]VLM#[pS]AIGLPVCL[pS]R
 APQPT[pS]PPA[pS]RLA[pS]K.S
 715 DTX3L_HUMAN R.DSLPG[pY]ESFG[pT]IVIT[pY]SM#KAGIQ[pT]E
 EHPNPGKR.Y
 716 DUS3L_HUMAN R.QENCGAQQVPAGPGTS[pT]PPS[pS]PVR.T
 717 DUS4_HUMAN K.RLM#NRDENGGGAGGSGSHGTLGLP[pS]GGK.
 C
 718 DYH3_HUMAN K.TSLTFPGSRPM#SPEQQLDVMLQQEMEM#E[pS
]KEKKPSESDLER.Y
 719 DYN2_HUMAN K.EALNIIGDISTSTVSTPVPPPVDWTWLSASSHS
 P[pT]PQR.R
 720 DYN2_HUMAN K.EALNIIGDISTSTVSTPVPPPVD[pT]WLSASS
 HSPTPQR.R
 721 E2QRB3_HUMAN R.VIRCM#[pT]NTPVVVREGA[pT]VYA[pT]GTHA
 QVEDGR.L
 722 E5RFN4_HUMAN R.IN[pS]AHGSDKSK.D
 -
 723 E5RG79_HUMAN .METCDSPPISRQENGQ[pS][pT][pS]KLCGTTQLD
 NEVPEK.V
 724 E5RJW4_HUMAN R.EISNSDGTRPVGMLGKAT[pS][pT]SDM#LLKLA
 R.T
 725 E7EM62_HUMAN R.DGGSVDAIAALLCVGLM#NAH[pS]M#GIGG
 GLFLTI[pY]NST[pT]R.K
 726 E7EMZ9_HUMAN R.QVSDLGSKGEHPEGDPGEVPAPSPQERGEHLN
 [pT]EQ[pS]HEVQPGVPPPPLPK.E
 727 E7EN72_HUMAN R.M#SFIAPNLSIIIGAS[pT]AAKIMGVAGGL[pT]N
 LSKMPACNIM#LLGAQR.K
 728 E7EPM4_HUMAN R.SSPTTSEGTSM#PTSTPGEGSTPLTSM#PD[pS][p
 T]TPVVSSEAR.T
 729 E7EQL5_HUMAN R.EAEALLQSMGLTPESPIVPPPMSPS[pS]K.S
 730 E7EQL5_HUMAN R.EAEALLQSMGLTPESPIVPPPM#SPS[pS]K.S

731 E7EQL5_HUMAN R.EAEALLQSMGLTPESPIVPPPMSP[pS]SK.S
732 E7ERS3_HUMAN R.GPTS[pS]PCEEEGDEGEEDR[pT]SDLRDEASSV
TR.E
733 E7ERW7_HUMAN K.ASVLSQM#SFASQSMP[pT]IPALAL[pS]VAGIP
GLDEAN[pT][pS]PR.L
734 E7ERW7_HUMAN R.G[pS]ICD[pS]CFDIGHLWNGDSKKM#EDASAY
L[pT]LP[pS]YR.H
735 E7EQU4_HUMAN R.[pS]FSKEVEER.S
736 E7EQU4_HUMAN R.SF[pS]KEVEER.S
737 E7EWZ4_HUMAN K.DTPSSSM#SSPNGNSSVNRA[pS]PVNASASVQN
WSVNR.S
738 E7EX17_HUMAN K.YAAL[pS]VDGEDENEGEDYAE.-
739 E7EX40_HUMAN K.NKDSGSDTASAIIPSTTPSVDSDDDE[pS]VVK.D
740 E9PCT1_HUMAN K.KPPAPP[pS]PVQSQSP[pS]TNWSPA VPVK.G
741 E9PCT1_HUMAN K.KPPAPP[pS]PVQSQSPS[pT]NWSPA VPVK.G
742 E9PCT1_HUMAN K.KPPAPPSPVQ[pS]Q[pS]PSTNWSPA VPVK.G
743 E9PCT1_HUMAN K.KPPAPP[pS]PVQSQSPSTNWSPA VPVK.G
744 E9PCT1_HUMAN K.KPPAPP[pS]PVQSQSPSTNW[pS]PA VPVK.G
745 E9PCX8_HUMAN R.GVGS GPHPPDTQQP[pS]PSK.A
746 E9PGM9_HUMAN K.VVNPLIGLLGEYGGD[pS]DYEEEEEEEQTPPPQ
PR.T
-
747 E9PH58_HUMAN .M#VFSM#AQPM#ASSSTEPYLCLAAAGENPSGK[
pS]LA[pS]AI[pS]GK.I
748 E9PIF5_HUMAN -.M#DAG[pS]LYEPV[pS]PHWFYCKIIDSK.E
749 E9PM10_HUMAN M.SDPITLNVGGKL[pY][pT]TSLATLTSFPDSM#L
GAMFSGKM#.-
750 E9PM12_HUMAN R.CEELEKTF[pT]FLQEEVR.R
751 E9PM92_HUMAN R.[pS]ASPDDDLGSSNWEAADLGNEERK.Q
752 E9PM92_HUMAN K.RSA[pS]PDDDLGSSNWEAADLGNEER.K
753 E9PPJ0_HUMAN K.RTATVGGAM#MG[pS][pT]HIYDM#[pS]TVM#S
RK.G
754 E9PQT8_HUMAN R.APEEEAEGE[pS]GGAGATLSSAQ SARAPGAEG
AGSSAEGTAGLSV[pS][pT]IPQP.-
755 ECD_HUMAN K.ILGPRPNE[pS]D[pS]DDLDDDFECLDSDDDDL
FE[pT]HEPGEEASLK.G
756 ECD_HUMAN K.ILGPRPNE[pS]D[pS]DDLDDDFECLD[pS]DDD
LDFETHEPGEEASLK.G
757 EDC4_HUMAN R.DSQDASAEQ[pS]DHDDEVASLASASGGFGTK.
V
758 EDC4_HUMAN R.DSQDA[pS]AEQSDHDDEVASLASASGGFGTK.

V

759 EDC4_HUMAN R.TRSPDVIS[pS]ASTALSQDIPEIASEALSR.G

760 EDC4_HUMAN R.TRSPDVISSAS[pT]ALSQDIPEIASEALSR.G

761 EDC4_HUMAN R.D[pS]QDASAEQSDHDDEVASLASASGGFGTK.

V

762 EDC4_HUMAN R.TR[pS]PDVISSASTALSQDIPEIASEALSR.G

763 EDC4_HUMAN K.GPGQVPTATSALSLELQEVEPLGLPQA[pS]PSR.

T

764 EF1B_HUMAN K.YGPADVEDTTGSGATDSKDDDDIDLFG[pS]DD

EEEESEEAK.R

765 EF1B_HUMAN K.YGPADVEDTTGSGATD[pS]KDDDDIDLFG[pS]

DDEEESEEAK.R

766 EF1B_HUMAN K.YGPADVEDTTGSGATDSKDDDDIDLFG[pS]DD

EEEESEEAKR.L

767 EF1B_HUMAN K.YGPADVEDTTGSGATDSKDDDDIDLFGSDDEE

E[pS]EEAKR.L

768 EF1B_HUMAN K.YGPADVEDT[pT]GSGATDSKDDDDIDLFGSD

EEEESEEAKR.L

769 EF1B_HUMAN K.YGPADVEDTTGSGATD[pS]KDDDDIDLFG[pS]

DDEEESEEAKR.L

770 EF2_HUMAN R.AGETRF[pT]DTR.K

771 EH1L1_HUMAN R.ANEAGGQVGPEAPRPET[pS]PEMR.S

-

772 EID2B_HUMAN .MAEPTGLLEMSELPGDS[pS]VPQVGTASGVSDV

LR.G

773 EIF2A_HUMAN R.SDK[pS]PDLAPTPAPQSTPR.N

774 EIF3B_HUMAN R.TEPAAEAEAASGPSE[pS]PSPPAEELPGSHAE

PPVPAQGEAPGEQARDER.S

775 EIF3B_HUMAN R.TEPAAEAEAASGPSE[pS]PSPPAEELPGSHAE

PPVPAQGEAPGEQAR.D

776 EIF3B_HUMAN R.TEPAAEAEA[pS]GPSESPSPPAEELPGSHAE

PPVPAQGEAPGEQAR.D

777 EIF3B_HUMAN R.TEPAAEAEAASGPSESP[pS]PPAAEELPGSHAE

PPVPAQGEAPGEQAR.D

778 EIF3C_HUMAN R.TYLFTYSSVYDSISM#ETL[pS]DMFELDLP[pT]V

H[pS]II[pS]K.M

779 EIF3G_HUMAN K.GIPLATGDT[pS]PEPELLPGAPLPPPK.E

780 EIFCL_HUMAN K.QPLLL[pS]EDEEDTKR.V

781 EMC1_HUMAN R.DEFNLQKM#M#VM#V[pT]ASGKLFGIES[pS][p

S]G[pT]ILWK.Q

782 EMC10_HUMAN K.[pY]WMYIIPVVLFLM#MSGAPDTGGQGGGGG

GGGGGG[pS]GR.-
783 ENASE_HUMAN K.IYL[pS]MVYKLEGPTDVTVALELTTGDAGSCH
IGGISVLNAET[pS][pS]R.H
784 ENDD1_HUMAN K.QVINGIESCL[pY]RLG[pS]A[pT]ISYFM#AIGEE
LVSIPWKVLK.V
785 ENOG_HUMAN R.GNP[pT]VEVDL[pY][pT]AKGLFRAAVPSGAS[p
T]GIYEALELR.D
786 ENSA_HUMAN K.YFD[pS]GDYNMAK.A
787 EP300_HUMAN R.GRQNM#QYPNPGM#G[pS]AGNLLTEPLQQG[p
S]PQM#GGQ[pT]GLR.G
788 EP400_HUMAN R.VAVNALAVGEPGTASKPASPIGGP[pT]QEEK.T
789 EP400_HUMAN K.LIQQQVV[pT][pT]A[pS]APLQ[pT]PGAPNPAQV
PAS[pS]D[pS]P[pS]QQPKLQM#RVPAVR.L
790 ERBIN_HUMAN R.TEDVMFI[pS]DNESFNPSLWEEQR.K
791 ERIP6_HUMAN K.DMSEM#[pS]IDRNIHRNL[pS]PGIPV[pS]VQTEE
SWLQDLSDK.V
792 F122A_HUMAN K.VSTTTDSPV[pS]PAQAASPFIPDELSSK.-
793 F171B_HUMAN K.SMHQPKILYLEDLDL[pS][pS][pS]E[pS]G[pT]TV
CSPEDPALRHILDGGSGVIM#EHPGEESPGR.K
794 F173B_HUMAN R.EGVHGSAKFYISDLWKV[pT]FSQYSNVVIFGV
PQM#M#LQLEK.K
795 F199X_HUMAN R.SNFSCASTSGVSGASASAS[pS][pS][pS]A[pS]M#
V[pS][pS]A[pS][pS][pS]G[pS][pS]VGN[pS]A[pS]N[p
S][pS]ANM[pS]RAH[pS]D[pS]NL[pS]ASAAER.I
796 F1T0I1_HUMAN K.QIDS[pS]PVGGETDETTVSQNYR.G
797 F1T0I1_HUMAN R.GSV[pS]QP[pS][pT]PSPPKPTGIFQTSANSSFEPV
K.S
798 F1T0I1_HUMAN R.ADSGPTQPPLSL[pS]PAPETK.R
799 F2Z2J1_HUMAN R.GF[pS]FVASSLIQEP[pS]QQDLHKVPVHPIVQQ
LHGNNIHF[pT]DG[pY]EIK.E
800 F2Z3H6_HUMAN K.VDSSTNSSPSPQQSE[pS]L[pS]PAHTSDFR.T
801 F5GWU3_HUMAN R.GCA[pS]DGAAGGSEIQVRALAGPDQGI[pT]EIL
MNRPSAR.N
802 F5GX09_HUMAN K.ISNL[pS]PEEEQGLWK.Q
803 F5H047_HUMAN R.DSSDSADGRA[pT]PSENLPSSAR.V
804 F5H2G4_HUMAN R.[pY]PQSCQMLLNQLREI[pT]GIQDP[pS]FLHEAL
K.A
805 F5H2G4_HUMAN R.YPQ[pS]CQMLLNQLREI[pT]GIQDP[pS]FLHEAL
K.A
806 F5H2N6_HUMAN R.NSLTIDHV[pS]DLMTINLLGK.E
807 F5H629_HUMAN R.TQSESRPQSLQQPATSTTETPA[pS]PAHTTPQT

QSTSGR.R

808 F5H7I3_HUMAN R.AL[pT]PDEIAM#YF[pT]AAIGKHALL[pS]STLPS
LFM#T[pS][pT]A[pS]PVM#P[pT]DAYHPIL.-

809 F5H8D7_HUMAN K.TKPTQAAGPS[pS]PQKPPTPEETK.A

810 F5H8D7_HUMAN K.TKPTQAAGP[pS]SPQKPP[pT]PEETK.A
-

811 F8VNV8_HUMAN .M#YDDSYVPGFEDSEAG[pS]ADSYTSRPSLSD
VSLEEDR.E
-

812 F8VRN2_HUMAN .MED[pS]HKSTTSETAPQPGSAVQGAHISHIAQQ
GL[pT]L[pS]PR.L

813 F8VUX9_HUMAN R.TPGGPHQKQTFSSGPGIAISSLSV[pS]PAMCA
VG[pS]EDGFLR.L
-

814 F8VW32_HUMAN .M[pS]EEEQSGTGGCGLPSSFSPLDSSLPEDIPV
FTAAAAATPVP[pS]VVL[pT]R.S
-

815 F8VW95_HUMAN .M#LPGSRM#TPQGP[pS]M#GPPGYGGNPSVRPG
LAQSGM#DQ[pS]RK.R

816 F8W646_HUMAN K.SE[pS]PKEPEQLRK.L

817 F8W6G6_HUMAN R.[pS][pS]NPHLLSFPSEPLELM#VSGPEDQPLNPP
GSGPQNAPGLGSGAG[pT]RAAGLGR.Y

818 F8W726_HUMAN R.RYP[pS]SISSSPQKDLTQAK.N

819 F8W9U4_HUMAN K.VG[pS]LDNVGHLPAGGAVK.I

820 F8WAE5_HUMAN R.[pS]DKSPDLAPTAPQSTPR.N

821 F8WBF9_HUMAN R.[pY]QYP[pT]M#DELAEM#LPPVLTHL[pS]LK.S

822 F8WBS8_HUMAN R.DKAPVQPQQ[pS]PAAAPGGTDEKPSGK.E

823 F8WBW2_HUMAN R.YEILTVVMLPPEGEEEEKTQAYYVIKVM#[pS]M
#[pS].-

824 F8WBW2_HUMAN R.[pY]EILTVVM#LPPEGEEEEK[pT]QAYYVIKVM#
M#S.-

825 F8WBW2_HUMAN R.[pY]EILTVVM#LPPEGEEEEK[pT]QAYYVIKVM#
SMS.-

826 F8WC89_HUMAN R.TLEEVVMAEEEEDEGTDRPG[pS]PA.-

827 F8WD91_HUMAN M.ETESGPQ[pT]SNQMQTDSLSPSPNPVSPVPLNN
PTSAPR.Y

828 F8WE74_HUMAN R.M#KL[pS]SLDVFIIGAVAKAIATTV[pT]YPLQ[p
T]VQ[pS]ILR.L

829 FAT2_HUMAN R.DTSRLE[pY]LILSGNQDRHFFIN[pS][pS]SGIISM
#FNLCK.K

830 FCERB_HUMAN K.AGYPFWGAIFFSI[pS]GM#LSII[pS]ERRNATYL

VR.G

831 FCSK_HUMAN R.GGLR[pS]GPAANPEWMPFSYLECGDLAAGV
EALAQRDK.W

832 FHDC1_HUMAN K.RY[pS]EPVSLGSAQ[pS]PPLSPLALGIK.E

833 FHOD1_HUMAN R.GRM#[pT]E[pT]EKFSGVAGEAPSNPSVPVAVS[
pS]GPGR.G

834 FIP1_HUMAN K.VTETEDD[pS]D[pS]D[pS]DDDEDVHVVTIGDIK
.T

835 FKB15_HUMAN R.RP[pS]QEQSASASSGQPQAPLNR.E

836 FKB15_HUMAN R.LSLTSDPEEGDPLALGPE[pS]PGEPQPPQLK.K

837 FLII_HUMAN R.NAEAVLQ[pS]PGLSGK.V

838 FLNA_HUMAN K.CSGPGL[pS]PGMVR.A

839 FLNA_HUMAN K.AFGPGLQGGGSAQ[pS]PAR.F

840 FLNA_HUMAN K.FNEEHIPDSPFVVPVA[pS]PSGDAR.R

841 FLNA_HUMAN R.L[pY][pS]VSYLLKDK.G

842 FLNC_HUMAN R.LG[pS]FGSITR.Q

843 FLNC_HUMAN M.M#NN[pS]GY[pS]DAGLGLGDETDEMPSTEKD
LAEDAPWKK.I

844 FNBP4_HUMAN K.ATGGLCLLGAYAD[pS]DDDDNDVSEK.L

845 FOXA1_HUMAN K.CEKQPGAGGGGGSGSGGSAKGGPE[pS]R.K

846 FOXK1_HUMAN R.SGGLQ[pT]PECL[pS]REG[pS]PIPHDPEFGSK.L

847 FOXK1_HUMAN R.SAPA[pS]PHTPGLMSPR.S

848 FOXK1_HUMAN R.QPSVTIGRNSSQG[pS]VDLSMGLSSFISR.R

849 FOXK1_HUMAN R.SGGLQTPECL[pS]REG[pS]PIPHDPEFGSK.L

850 FOXK2_HUMAN R.EG[pS]PAPLEPEPGAAQPK.L

851 FR1L6_HUMAN K.E[pS]LLSILIYDHDM#IG[pT]DDLIGETKIDLENR
.F

852 FRIH_HUMAN K.MGAPESGLAEYLFDKHTLGDSNDNE[pS].-

853 FRIH_HUMAN K.M#GAPESGLAE[pY]LFDKHTLGDSNES.-

854 FRPD4_HUMAN R.[pT]K[pS][pS]GWPPPSGTWGLSQVPPYGWEMT
ANR.D

855 FSIP2_HUMAN K.CVEM#F[pS]QDL[pS]VDIKP[pS]LAA[pS]DELLT
SSNGKPLK.N

856 FSIP2_HUMAN R.YAISQA[pY]S[pY]VD[pS]QNI[pS]VM#ENTLLP
YLPLQVK.K

857 FTMT_HUMAN K.SIKELGDHVNHLVKMGAPDAGLAE[pY]LFDT
H[pT]LGNNENK.Q

858 FUBP1_HUMAN R.QQAAYYAQT[pS]PQGMPQHPPAPQGQ.-

859 FXR2_HUMAN R.TDG[pS]ISGDRQPVTVADYISR.A

860 G3V164_HUMAN K.GECG[pS]GGGD[pS]KDK[pT][pS]ALSLSNVAG
VFYILVGGGLGLAM#LVALIEFCYK.S

861 G3V192_HUMAN K.MGAPESGLAEYLFDKHTLGD[pS]DNES.-
862 G3V192_HUMAN K.M#GAPESGLAEYLFDKHTLGSDNE[pS].-
863 G3V192_HUMAN K.M#GAPESGLAEYLFDKH[pT]LGSDNES.-
864 G3V192_HUMAN R.KM#GAPESGLAEYLFDKHTLGSDNE[pS].-
865 G3V198_HUMAN R.LIRPEYAWIVQPVSGAVYDRPGA[pS]PK.R
866 G3V236_HUMAN R.L[pS][pY][pT]APP[pS]FKEHA[pT]NENRGEVA[pS]
KPSSELAHIMASN[pT]M#QVEEPPK.S
867 G3V5V3_HUMAN K.DQD[pS]VGEMKDEGEE[pT]LNYPD[pT][pT]IDL
SHLQPQR[pS]IQK.L
868 G3XAC6_HUMAN R.YR[pS]PYSGPK.F
869 G3XAM7_HUMAN R.[pT]PEELDDSDFETEDFDVR.S
870 G5E972_HUMAN R.AK[pT]PVTLK.Q
871 G5E972_HUMAN K.GPPDF[pS]SDEEREPTPVLGSGAAAAGR.S
872 G5E972_HUMAN K.GPPDF[pS][pS]DEEREP[pT]PVLGSGAAAAGR.S
873 G5E972_HUMAN R.NRPPLPAGTNSKGPPDF[pS][pS]DEEREPTPVL
GSGAAAAGR.S
874 G5EA03_HUMAN R.RTGM[pS]LR.H
875 G5EA03_HUMAN K.IIED[pT]VVPFTVSSSSADQLSTSSSM#TEGSG[pT]
M#NK.I
876 GALK1_HUMAN R.AQVCQQAHEH[pS]FAGMPCGIM#DQFI[pS]LM#
GQK.G
877 GALK1_HUMAN R.M[pT]GGGFGGC[pT]VTLLEASAAPHAM#RHIQ
EH[pY]GG[pT]A[pT]FYL[pS]QAADGAKVLCL.-
-
878 GBX1_HUMAN .MQRAGGGSAPGGNGGGGGGGPG[pT]AFSID[pS]
LIGPPPPR.S
879 GCR_HUMAN K.LYTTDQSTFDILQDLEFS[pS]GSPGKETNESPW
R.S
880 GFRA2_HUMAN K.EL[pS]M#CF[pT]EL[pT]TNIIPGSNKVIKPNSSGP[
pS]R.A
881 GGT1_HUMAN R.DGGSVDAIAALLCVGLM#NAH[pS]M#GIGG
GLFL[pT]IYN[pS]TTR.K
882 GGYF2_HUMAN R.ALSSGGSIT[pS]PPLSPALPK.Y
883 GGYF2_HUMAN R.VGVEASEETPQTSSSSARPG[pT]PSDHQSQEAS
QFER.K
884 GGYF2_HUMAN R.VGVEASEETPQTSSSS[pS]ARPGTPSDHQSQEAS
QFER.K
885 GGYF2_HUMAN R.ALSSGGSI[pT]SPPLSPALPK.Y
886 GGYF2_HUMAN R.VGVEASEETPQTSSSSARPGTP[pS]DHQSQEAS
QFER.K
887 GLRA3_HUMAN R.F[pS]F[pT]AYGM#GPCLQAKDGM#TPKGPNHP

VQVMPK.S

888 GOG8C_HUMAN K.EPEAAVPAPGPGGES[pS]GFM#DHLEEK.A

889 GOG8C_HUMAN K.V[pY]HPI[pT]KPGGSAKDAAPGGGHHQAGPGQ
GGDEGEAAGAAGDGVAAAGGD[pY]KGH[pS]K.F

890 GON4L_HUMAN K.AAEATVCANN[pS]KVSSTGEKVVLW[pT]R.E

891 GORS2_HUMAN K.ADAASSLTVDV[pT]PPTAK.A

892 GORS2_HUMAN R.VGDSTPVSEKPVSAAVDANASE[pS]P.-

893 GP135_HUMAN R.M#SSSNPA[pS]GVAGDVAMWARKNPVVLFCR.
E

894 GPN1_HUMAN R.GTLDEEDEEAD[pS]DTDDIDHR.V

895 GRM1_HUMAN K.ICTRKPRFMSAWAQVIIASILISVQLTLVVTLII
M#EPPMPILSYP[pS]IK.E

896 GSAML_HUMAN K.SQEVSS[pT][pS]NQENENG[pS]G[pS]EEVC[pY][
pT]VINHIPHQR[pS][pS]LSSNDDG[pY]ENIDSLTR
K.V

897 GSK3A_HUMAN R.GEPNV[pS]YICSR.Y

898 GSK3A_HUMAN K.ASVGAM#GGGVGASSSGGGPGG[pS]GGGG[pS]
]GGPGAGTSFPPPGVKLGRDSGK.V

899 GT2D1_HUMAN K.DTTKLEPA[pS]PPEDTSAEVSRA

900 GTF2I_HUMAN R.TN[pT]PVKEDWNVR.I

901 GTF2I_HUMAN K.RPRSPGSN[pS]KVPEIEVTVEGPNNNNPQTSAV
R.T

902 GTR14_HUMAN K.DGVMGMN[pS]IEPAK.E

903 H0Y2M0_HUMAN K.KIHK[pT]SR.E

904 H0Y2Y8_HUMAN K.FTPVASKF[pS]PGAPGGSGSQPNQK.L

905 H0Y2Y8_HUMAN R.GPPASSPAPAPKF[pS]PVTPK.F

906 H0Y3P2_HUMAN R.TQ[pT]PPLGQTPQLGLK.T

907 H0Y449_HUMAN R.NYQQNYQN[pS]ESGEKNEGSESAPEGQAQQR.
R

908 H0Y449_HUMAN R.NYQQNYQNSESGEKNEG[pS]ESAPEGQAQQR.
R

909 H0Y449_HUMAN R.NYQQNYQNSE[pS]GEKNEG[pS]ESAPEGQAQQ
R.R

910 H0Y449_HUMAN R.NYQQNYQNSE[pS]GEKNEGSESAPEGQAQQR.
R

911 H0Y449_HUMAN R.NYQQN[pY]QNSE[pS]GEKNEGSESAPEGQAQQ
R.R

912 H0Y4E7_HUMAN R.EVSSRP[pS][pT]PGLSVVSGISATSEDIPNKIEDL
R.S

913 H0Y4E7_HUMAN R.EV[pS][pS]RPSTPGLSVVSGISATSEDIPNKIEDL
R.S

914 H0Y4R1_HUMAN .EM#DTVTEAGMAIAM#AL[pT]GGIGFIHHNC[pT]
 PEFQANEVR.K
 915 H0Y4X3_HUMAN K.DK[pS]PVREPIDNLTPEER.D
 916 H0Y503_HUMAN K.FVEWLKNAEEEE[pS]E[pS]EAEEGD.-
 917 H0Y579_HUMAN K.QEKPAEKPAETPVATSP[pT]ATDSTSGDSSR.S
 918 H0Y5T1_HUMAN R.SSSPGKLLG[pS]GYGGLTGGSSR.G
 919 H0Y626_HUMAN R.ETEEQD[pS]DSAEQGDPAEGEGKEVLCDFCLDD
 TR.R
 920 H0Y659_HUMAN K.QTGRGLSSGLGSAS[pS]IQAAVRQLEAEADAI
 QM#[pS]E[pS][pS]QSEASVR.R
 921 H0Y6E7_HUMAN R.DVYL[pS]PR.D
 922 H0Y6E7_HUMAN R.DVYL[pS]PRDDGYSTK.D
 923 H0Y6F5_HUMAN R.VPEAS[pS]EPFDTSSPQAGR.Q
 924 H0Y6J6_HUMAN R.RPDPD[pS]DEDEDYER.E
 -
 925 H0Y6M6_HUMAN .FG[pS]GGGG[pS]TGGGGGTAGGGTQSTAGPGGI[
 pS]QHL[pT]Y[pT][pS][pY]ILK.Q
 926 H0Y704_HUMAN R.GGQGDPAVPAQQPADP[pS]TPERQS[pS]PSGSE
 QLVR.R
 927 H0Y746_HUMAN R.LMGLLSDPELGPAAADGFSLLM[pS]DC[pT]DV
 L[pT]RAGHAEVR.I
 928 H0Y7Z1_HUMAN R.TNTNVNCPIECFMPLDVQADRED[pS]RE.-
 929 H0Y995_HUMAN R.DGLM#YEQ[pY]RMDSGNTRDM#TLIHGYFGS[
 pT]QGLSDELAK.Q
 -
 930 H0Y9B0_HUMAN .NM#E[pT]GM#I[pY]VVQGIYGYHHYMQDRIDDN
 GWGCAYRSLQTICSWFK.H
 931 H0Y9Y2_HUMAN K.SVSDPVEDKKEQE[pS]DEEEEEEEDEPSGATT
 R.S
 932 H0Y9Z8_HUMAN K.TLHCEG[pT]EINSDDQESKEVEETATAK.N
 933 H0Y9Z8_HUMAN K.TLHCEGTEIN[pS]DDEQESKEVEETATAK.N
 934 H0YA21_HUMAN K.IFPS[pS]D[pS]QLDPLVVEL[pS]RPGPL[pT][pS]A
 LFLFLH[pS]M#K.E
 935 H0YA82_HUMAN R.SRPTSEG[pS]DIESTEPQK.Q
 936 H0YA82_HUMAN R.SRPT[pS]EGSDIESTEPQK.Q
 -
 937 H0YAA4_HUMAN .GNGALKTSSGFLAK[pS][pS]IVEEL[pS]VQWM#E
 YHYK.D
 938 H0YAC7_HUMAN R.STAQQELDGKPA[pS]PTPVIVASHTANKEEK.Q
 939 H0YAJ8_HUMAN -.ISNASSQLSSPPT[pS]PQSSPR.K

940 H0YAS6_HUMAN .QA[pS]SQVPRVM#STQRVANTSTQ[pT]MGPRPA
 AAAAAA[pT]PAVR.T
 -
 941 H0YAX2_HUMAN .II[pS]LKILNLEGQQFPDEE[pT][pS]EKFA[pY]ILG[
 pS]LSNLEELILPTGDIYR.V
 -
 942 H0YAY4_HUMAN .GTSQMPKGVLM#SLTPSQGTHTFDPVTKML[p
 S]WDVGK.I
 943 H0YAZ3_HUMAN R.LCDDGPQLPT[pS]PR.L
 -
 944 H0YBF4_HUMAN .[pS]PNE[pS]NFLEFV[pS]LLE[pS]IN[pT]SKM#TA[
 pS][pS]QLNG[pS]AEQNEE[pS]GLLRDNC[pS]QEK.
 K
 -
 945 H0YBK9_HUMAN .G[pT]GNSIM#VM#KM#NG[pS]LHQELKIEENFK.
 D
 946 H0YBW0_HUMAN R.NLFL[pT]NSPES[pS]NDCEDNPTRNRGFSK.R
 947 H0YC13_HUMAN -.IFPTEIH[pS]GLLEVISp[pS]PHFYPDFSR.L
 -
 948 H0YC16_HUMAN .PIDN[pT]KGQM#LGLGNP[pS]F[pS]DPF[pT]GAG
 RYVPG[pS]A[pS]M#GT[pT]M#AGVDPF[pT]GN[pS
]AYR.S
 949 H0YC41_HUMAN R.SFLSEPS[pS]PGR.T
 950 H0YC88_HUMAN R.GLMAGGRPEGQY[pS]EDED[pT]DTDEYKEAK.
 A
 951 H0YC88_HUMAN R.GLM#AGGRPEGQ[pY]SEDED[pT]DTDEYKEAK
 .A
 952 H0YCF9_HUMAN R.LYYDGCAM#IAM#NG[pS]VFAQG[pS]QFSLDD
 VLGGQGAVTLGS[pS]QR.T
 953 H0YCG1_HUMAN R.SSLGQSA[pS]ETEEDTVSVSKK.E
 954 H0YCG1_HUMAN R.SSLGQ[pS]A[pS]ETEEDTVSVSKK.E
 955 H0YCG1_HUMAN R.SRGSd[pS]PAADVEIEYVTEEPEIYEPNFIFFK.R
 956 H0YCG1_HUMAN R.SSLGQ[pS]A[pS]ETEEDTVSVSKK.K
 957 H0YCM3_HUMAN -.V[pT]DAQGFLPAR.D
 958 H0YCN2_HUMAN K.TFLDKDAQRL[pS]PIPEEVPK.S
 959 H0YCN2_HUMAN K.STLESEKPG[pS]PEAAE[pT]SPPSNIIDHCEK.L
 960 H0YCN2_HUMAN K.STLESEKPG[pS]PEAAETSPPSNIIDHCEK.L
 961 H0YD46_HUMAN R.VAL[pS]DDETKETENMR.K
 -
 962 H0YD54_HUMAN .[pS]FM#RLPLI[pS]VALVQGWALGGGAEFT[pT]A

CDF[pS]FR.H

963 H0YDD8_HUMAN K.KEESEE[pS]DDDMGFGLFD.-

964 H0YDD8_HUMAN K.KEESEE[pS]DDDM#GFGLFD.-

965 H0YDD8_HUMAN K.KEE[pS]EE[pS]DDDMGFGLFD.-

966 H0YDD8_HUMAN K.KEE[pS]EE[pS]DDDM#GFGLFD.-

967 H0YDN1_HUMAN R.[pS]SSVGSSSSYPISPAV[pS]R.T

968 H0YDT6_HUMAN K.[pT]CFSPNRVIGLSSDLQQVGGASAR.I

969 H0YEH2_HUMAN R.SESGGLGVSMVEYVLSS[pS]PGDSCLR.K

970 H0YEN2_HUMAN R.IQQFDDGG[pS]DEEDIWEEK.H

971 H0YER7_HUMAN R.ASEDTT[pS]GSPPKK.S

972 H0YER7_HUMAN R.ASEDTTSG[pS]PPKK.S

973 H0YEU2_HUMAN K.DEILPT[pT]PISEQK.G

974 H0YEU2_HUMAN K.DEILP[pT]TPISEQK.G

-

975 H0YF49_HUMAN .GSGLYSPVSED[pS]TVPQFEAPSPSHSLEFSSDM
HR.I

-

976 H0YFB7_HUMAN .YDYLM#QLM#NDKCLM[pS][pS]LPNFCGIFNHL
ER.L

977 H0YGK9_HUMAN R.EVAEGGLPRAESPPGLTP[pS]R.R

978 H0YGQ3_HUMAN R.YGTL[pT]GELHM#IELEKGH[pS]GLGL[pS]LAG
NKDR.S

979 H0YGW5_HUMAN K.GDGE[pT]M#[pT]ND[pY]VVHGPASVPLGYVPH
PSSLSG[pS]LPGM[pS]RGK.S

980 H0YHX9_HUMAN K.VQGEAVSNIQENTQTPTVQEE[pS]EEEEVDETG
VEVKDIELVMSQANVSR.A

981 H0YHZ9_HUMAN K.LGPRPLPTFPTSECT[pS]DVEPDTR.E

-

982 H0YIJ2_HUMAN .YQVWGGQPV[pY]PQE[pT]DDACIFPDGGPCP[pS]
]G[pS]WSQKR.S

-

983 H0YIJ2_HUMAN .[pY]QVWGGQPV[pY]PQETDDACIFPDGGPCP[pS]
]GSW[pS]QKR.S

-

984 H0YIJ2_HUMAN .[pY]QVWGGQPVYPQE[pT]DDACIFPDGGPCP[pS]
]G[pS]WSQKR.S

985 H0YIL7_HUMAN R.STGVSFWTQDSDENEQEQQ[pS]DTEEGSNKK.
E

986 H0YIL7_HUMAN R.STGVSFWTQD[pS]DENEQEQQ[pS]DTEEGSNK
K.E

987 H0YIT5_HUMAN R.IRGMSNCSM#TPM#T[pS]APR[pT]GSIRPPDSL

M#TPK.L
 988 H0YIV4_HUMAN R.LDGLVE[pT]PTGYIESLPR.V
 989 H0YJ03_HUMAN K.ESLKEEDE[pS]DDDNM.-
 990 H0YJ03_HUMAN K.ESLKEEDE[pS]DDDNM#.-
 991 H0YJ60_HUMAN R.G[pS]L[pS][pS]SPEEM#SGAEEGRETSSGIEVEA
 SDLSLSLTGDDGGPNRTSTE[pS]R.G
 992 H0YJA2_HUMAN R.DLVQPKPA[pS]PK.F
 993 H0YKB1_HUMAN K.VQIPVSRPDPEPV[pS]DNEED[pS]YDEEIHDP
 S
 994 H0YKH0_HUMAN R.ESSANNSV[pS]PSESLR.A
 995 H0YKH0_HUMAN K.DAPT[pS]PASVASSSSTPSSK.T
 996 H0YKH0_HUMAN K.[pS]NTPTPRNDAPTPGTSTTPGLR[pS]M#PGKP
 PGM#DPIA[pS]ALR.T
 997 H0YL97_HUMAN R.CLYLSI[pS]ATSLAL[pS]LMLGPACR.S
 -
 998 H0YLB0_HUMAN .MRLDNM#LLAEGVAGPEKGGGSAAAAAAAAAA[
 pS]GGAG[pS]DN[pS]VEHSDYR.A
 999 H0YLG5_HUMAN R.SQ[pS]LPNSLDYTQTSDPGR.H
 1000 H0YLP7_HUMAN -.ESSLVNGS[pT]FVLQK.K
 1001 H0YM23_HUMAN K.EHYPVSSPS[pS]PSPPAQPGGVSR.N
 1002 H0YMD0_HUMAN K.LSLEGDH[pS]TPPSAYGSVK.A
 -
 1003 H0YMN8_HUMAN .M#TRDDSSGGWLPLGGSL[pS]SVTVFKVPHQE
 ENGCADFFIR.G
 1004 H0YN34_HUMAN M.AAEEGVA[pS]AA[pS]AGGSWGTAAMGRVLP
 M#LLVPVPAEAM#GQLGSRAQLR.T
 1005 H0YNJ9_HUMAN M.PCSEETPAI[pS]PSKR.A
 1006 H0YNJ9_HUMAN M.PCSEETPAISP[pS]KR.A
 1007 H0YNQ5_HUMAN R.D[pT]GLPGCQ[pS]SLLRQDLGLGSPAQLSSSGK
 PG[pT]A[pY][pY].-
 1008 H14_HUMAN K.KAPK[pS]PAK.A
 1009 H15_HUMAN K.AKKPAGA[pT]PK.K
 1010 H15_HUMAN K.KVAK[pS]PK.K
 1011 H15_HUMAN M.SETAPAETATPAPVEK[pS]PAKK.K
 1012 H1X_HUMAN K.AGGSAAAL[pS]PSK.K
 1013 H3BLT9_HUMAN K.ALMDLLAGKG[pS]QG[pS]QAPQALDRTPDAPL
 GPCSND[pS]R.I
 1014 H3BM38_HUMAN K.TTWGDGGEN[pS]PCNVVSK.Q
 1015 H3BNA1_HUMAN K.NHSVNEEQEEQEGG[pS]EDEWEQVGPR.N
 1016 H3BNB2_HUMAN R.C[pT]EVCGEPSM#GVCRGTTHPAWGQLGCQIC
 PHH[pS]R.G

1017 H3BNU9_HUMAN R.GNVVP[pS]PLPTRR.T
1018 H3BNW0_HUMAN K.FTDKDQQP[pS]G[pS]EGEDDDAEAALKK.E
1019 H3BNX2_HUMAN K.G[pS][pT]SSTSSSSSSSVVDPLSSVLDGTDPLSM
FAATADPAALAAAM#D[pS][pS]RR.K
1020 H3BP01_HUMAN K.LGVSV[pS]PSR.A
1021 H3BPZ1_HUMAN R.WLDE[pS]DAEMELR.A
1022 H3BSM8_HUMAN K.[pS]PQPILGFSLR.A
1023 H3BT22_HUMAN K.IGQQVDREPGDVA[pT]PPR.K
1024 H3BUF6_HUMAN R.QGSGRE[pS]PSLASR.E
1025 H3BUM4_HUMAN K.DFQDYMEPEEGCQG[pS]PQRR.G
1026 H3BUV2_HUMAN -.GR[pS]R[pS]LGPGAGPR.G
1027 H3BUV9_HUMAN R.DMPGGFLFEGl[pS]DDEDDFHPNTR.S
1028 H3BUV9_HUMAN R.DM#PGGFLFEGl[pS]DDEDDFHPNTR.S
1029 H7BXM6_HUMAN K.DIKEE[pS]DEEEEDDEESGRLR.F
1030 H7BY83_HUMAN K.EYVSNDAAQ[pS]DDEEKLSQPTD TDGGR.L
-
1031 H7BZX1_HUMAN .RQIHMVHKPDDDD[pT]DM#[pY]N[pT]P[pY][pT]Y
NAGLYNPPY[pS]AQSHPAAKTQ[pT]YRPL[pS]K.S
1032 H7C0I1_HUMAN K.LETSWSQLAGML[pY]KQEK.L
-
1033 H7C0J0_HUMAN .M[pS]V[pT]LYSGEDYPDTAPVIHGVDVINS[pT]L
VK.V
1034 H7C0P0_HUMAN K.AQDLAL[pS]LAQTKASVS[pS]LQEVAM#FLQA[
pS]VLER.D
1035 H7C103_HUMAN K.HVM[pS]RLSSTSSLAITH[pS]V[pS][pT][pS]NVI
GF[pT]KHV[pY]VQR.L
1036 H7C125_HUMAN R.QH[pS]NSNMVIMLIGNK.S
-
1037 H7C140_HUMAN .IQLAGAG[pS]M#GSPGATTGWLLDYKTEK[pY]
VM#[pT]R.N
1038 H7C155_HUMAN R.SA[pS]EPSLHR.A
1039 H7C1I9_HUMAN R.HP[pS][pS]IPPPPLTAKDLSSPAARQHCSPPSHA[
pS]GR.E
-
1040 H7C2S0_HUMAN .ALLEGNSSQGSFEVTP[pS][pS]AGPWANSSLSLH
GGLSSGLR.L
1041 H7C474_HUMAN K.AEGGM#ASATPVAQQSGKDVSPPRVLM#PW[p
T]PA[pS]V[pS]PSGK.W
-
1042 H7C4R5_HUMAN .WQTQVSQRLATDLLSLMPSL[pT][pS]GEVAHCA
K.S

1043	H7C504_HUMAN	R.LQEEQDGG[pS][pS]DEDRAGPAPPGASDGVDI QDVK.F
		-
1044	H7C508_HUMAN	.[pT]AAL[pY]P[pS][pT]DL[pS]GASSSSLPSSPSSSS PNEVM#ALKDVREVK.E
		-
1045	H7C520_HUMAN	.IGTFRPGALV[pS][pS]GNKMMVQMI[pS]DAN[pT] AGNGFM#AMF[pS]AAEPNERGK.K
1046	H7C5E4_HUMAN	K.EAQSSQATPVQTSQPDSNIVKV[pS]PR.E
		-
1047	H7C5K9_HUMAN	.W[pS]L[pS]M#LSTRLTLLM#VATPALMGVG[pT]]LMG[pS]GLR.K
		-
1048	H7C5K9_HUMAN	.VSLSM#LS[pT]RL[pT]LLLM#VA[pT]PALM#GVG [pT]LMGSGLRK.L
		-
1049	H7C5K9_HUMAN	.GSL[pS]ML[pS][pT]RLTLLLMVATPALM#GVGTL MGSGLR.K
		-
1050	H7C5K9_HUMAN	.ESLSML[pS][pT]RL[pT]LLLMVATPALMGVGT MGSGLR.K
1051	H9KVB4_HUMAN	K.KA[pY]LDPGAVLPR[pS]AA[pT]CGRPVADM#H SAAHGSGEA[pS]AMQ[pS]LIK.Y
1052	HAP28_HUMAN	K.SLD[pS]DE[pS]EDEEDDYQQK.R
1053	HAP28_HUMAN	K.[pS]LD[pS]DESEDEEDDYQQK.R
1054	HAP28_HUMAN	K.[pS]LDSDE[pS]EDEEDDYQQK.R
1055	HAP28_HUMAN	K.KSLD[pS]DE[pS]EDEEDDYQQK.R
1056	HAP28_HUMAN	K.SLD[pS]DE[pS]EDEEDDYQQKR.K
1057	HAP28_HUMAN	K.[pS]LDSDE[pS]EDEEDDYQQKR.K
1058	HDAC1_HUMAN	R.IACEEEF[pS]D[pS]EEEGEGGR.K
1059	HDAC1_HUMAN	R.IACEEEF[pS]D[pS]EEEGEGGRK.N
1060	HDAC1_HUMAN	R.MLPHAPGVQMQAIPEDAIPEE[pS]GDEDED DKR.I
1061	HDAC1_HUMAN	R.M#LPHAPGVQMQAIPEDAIPEE[pS]GDEDED DKR.I
1062	HDAC1_HUMAN	R.MLPHAPGVQM#QAIPEDAIPEE[pS]GDEDED DKR.I
1063	HDAC1_HUMAN	R.M#LPHAPGVQM#QAIPEDAIPEE[pS]GDEDED PDKR.I
1064	HDAC2_HUMAN	R.IACDEEF[pS]D[pS]EDEGEGGRR.N
1065	HDAC2_HUMAN	R.MLPHAPGVQMQAIPEDAVHED[pS]GDEDED

		PDKR.I
1066	HDAC2_HUMAN	R.M#LPHAPGVQMQAIPEDAVHED[pS]GDEDGE DPDKR.I
1067	HDAC2_HUMAN	R.M#LPHAPGVQM#QAIPEDAVHED[pS]GDEDGE DPDKR.I
1068	HDGF_HUMAN	R.AGDILLED[pS]PK.R
1069	HDGF_HUMAN	R.AGDILLED[pS]PKRPK.E
1070	HDGF_HUMAN	R.RAGDILLED[pS]PKRPK.E
1071	HELQ_HUMAN	R.QAKQIV[pS]SAK.M
1072	HELQ_HUMAN	R.QAKQIVS[pS]AK.M
1073	HIRP3_HUMAN	K.EQREEAAEVA[pS]LDVANIISGSGRPR.R
1074	HIRP3_HUMAN	R.LGS[pT][pS]GEE[pS]DLEREVSD[pS]EAGGGPQ GER.K
1075	HMGA1_HUMAN	K.KLEKEEEEEGISQE[pS][pS]EEEEQ.-
1076	HMGA1_HUMAN	K.KLEKEEEEEGI[pS]QE[pS][pS]EEEEQ.-
1077	HMGA1_HUMAN	R.KQPPV[pS]PGTALVGSQKEPSEVP[pT]PK.R
1078	HMGA1_HUMAN	R.KQPPVSPG[pT]ALVGSQKEPSEVPTPK.R
1079	HMGA1_HUMAN	R.KQPPVSPGTALVGSQKEPSEVP[pT]PK.R
1080	HMGA1_HUMAN	R.KQPPVSPG[pT]ALVGSQKEPSEVP[pT]PK.R
1081	HNRH1_HUMAN	K.H[pT]GPNSPDTANDGFVR.L
1082	HNRH1_HUMAN	K.HTGPNSPD[pT]ANDGFVR.L
1083	HNRH1_HUMAN	K.HTGPN[pS]PDTANDGFVR.L
1084	HNRH3_HUMAN	R.MGMGNYSYSGG[pY]GTPDGLGG[pY]GRGGGG[pS]GGYYGQGGM#[pS]GGGWR.G
1085	HNRL2_HUMAN	R.SK[pS]PLPPEEEAKDEEEDQTLVNLDTYTSDLH FQVSK.D
1086	HNRL2_HUMAN	R.SKSPLPPEEEAKDEEEDQ[pT]LVNLDTYTSDLH FQVSK.D
1087	HNRL2_HUMAN	R.[pS]KSPLPPEEEAKDEEEDQTLVNLDTYTSDLH FQVSK.D
		-
1088	HNRPD_HUMAN	.M#[pS]EEQFGGDGAAAAA[pT]AAVGG[pS]AGE QEGAM#VAA[pT]QGAAAAAG[pS]GAGTGGGTA SGGTEGG[pS]AE[pS]EGAK.I
1089	HNRPK_HUMAN	R.DYDDM[pS]PR.R
1090	HNRPK_HUMAN	K.IIPTLEEGQLLP[pS]PTATSQLPLESDAVECLNY QHYK.G
1091	HNRPK_HUMAN	R.DYDDM#[pS]PR.R
1092	HS90B_HUMAN	K.IEDVG[pS]DEEDDSGKDK.K
1093	HS90B_HUMAN	K.IEDVG[pS]DEEDDSGKDKK.K
1094	HUWE1_HUMAN	R.GSGTA[pS]DDEFENLR.I

1095	HUWE1_HUMAN	K.AC[pS]PCSSQSSSSGICTDFWDLVK.L
1096	HUWE1_HUMAN	R.K[pY]P[pY]HLMLQKFLC[pS]GGHNALFE[pT]F NWAL[pS]M#GGK.V
1097	I2BP2_HUMAN	K.LEEPPELNRQ[pS]PNPR.R
1098	I2BP2_HUMAN	R.KP[pS]PEPEGEVGPPK.I
1099	I2BP2_HUMAN	K.RKP[pS]PEPEGEVGPPK.I
1100	I2BPL_HUMAN	R.KA[pS]PEPPDSAEGALK.L
1101	I3L1L3_HUMAN	K.ALGGED[pS]ENEEELGDEAMM#ALDQSLASLF AEQK.L
1102	I3L1Q2_HUMAN	K.GTEPSGGTPQP[pS]RPVSPAGPPEGVPEEAQP PR.L
1103	I3L1Q2_HUMAN	K.G[pT]EPSPGGTPQPSRPV[pS]PAGPPEGVPEEA QPPR.L
1104	I3L1Q2_HUMAN	K.GTEP[pS]PGG[pT]PQPSRPV[pS]PAGPPEGVPEE AQPPR.L
1105	I3L1Q2_HUMAN	K.G[pT]EPSPGG[pT]PQPSRPV[pS]PAGPPEGVPEE AQPPR.L
1106	I3L1Q2_HUMAN	K.GTEPSGG[pT]PQPSRPV[pS]PAGPPEGVPEEA QPPR.L
1107	I3L1Q2_HUMAN	K.GTEP[pS]PGGTPQPSRPV[pS]PAGPPEGVPEEA QPPR.L
1108	I3L1Q2_HUMAN	K.GTEPSGGTPQPSRPV[pS]PAGPPEGVPEEAQP PR.L
1109	I3L2B2_HUMAN	K.ERM#AQVA[pT]GMG[pS]NQITFGRGSSQPMLS TSH[pS]EQEYGK.A
1110	I3L2J8_HUMAN	R.SGSPRPTEP[pT]DFLMLFEGSPSGK.K
1111	I3L2Q9_HUMAN	R.FPNP[pS]QAGIPTAVEQMM#LV[pS]VHMDG[p S]RPVR.V
1112	I3L2T2_HUMAN	R.[pT]SEQHRQSDGNHTIPASSLHSM#TNFI[pS]G LQRLHGMLEFLRP[pS][pS][pS]NH[pS]VGPM#R.- M.AAGSGGSGGSGGGPGPGGGGGPSGSGSGP GSNGGLG[pS]GGELHPR.T
1113	I3L2W2_HUMAN	-
1114	I3L2W2_HUMAN	.MAAGSGGSGG[pS]GGPGPGPGGGGGP[pS]G[p S]G[pS]GPGSNGGLGSGGELHPRTGR.L
1115	I3L445_HUMAN	-.RSAV[pS]SGPR.L
1116	I3L4U6_HUMAN	-.RR[pS]PR.K
1117	I3NI16_HUMAN	R.AMGDYLVGVHTDGGEIQDGAGHQMGGRGG A[pS]G[pS]LR.H
1118	ICLN_HUMAN	K.FEEESKEPVADEEEED[pS]DDDVEPITEFR.F
1119	ICLN_HUMAN	K.FEEE[pS]KEPVADEEEEDSDDDVEPITEFR.F

1120 IDHC_HUMAN R.A[pT]DFVVPGPVKVEI[pT]Y[pT]PSDGTQKVTY
 LVHNFEEGGGVAMGM#[pY]NQDK.S
 1121 IF_HUMAN K.[pT]LLAN[pS][pS]PFNVDP[pT]GAM#ATLALTCM
 #[pY]NKIPVGSEEGYR.S
 1122 IF2B1_HUMAN R.QG[pS]PVAAGAPAK.Q
 1123 IF4B_HUMAN R.SQSSDTEQQ[pS]PTSGGGK.V
 1124 IF4B_HUMAN R.SQSSD[pT]EQQ[pS]PTSGGGK.V
 1125 IFIX_HUMAN K.M#SKEQTRPSC[pS]AGA[pS][pT][pS][pT]AMGR
 [pS]PPPQ[pT][pS][pS][pS]APPN[pT][pS][pS][pT]ES
 LKPLANR.H
 1126 IGS10_HUMAN K.KPEV[pS]M#LA[pT][pT]GL[pS]EATTLVSDWDG
 QKNTK.K
 1127 ILF3_HUMAN K.FN[pY]SGSGGR[pS]GGN[pS]YGGSGASYNPGS
 HGGYGGGSGGGSSYQGK.Q
 1128 ILF3_HUMAN R.DS[pS]KGEDSAEETEAKPAVVAPAPVVEAVST
 PSAAFPSDATAEQGPILTK.H
 1129 ILF3_HUMAN R.DSSKGED[pS]AEETEAKPAVVAPAPVVEAVST
 PSAAFPSDATAEQGPILTK.H
 1130 ILF3_HUMAN R.DSSKGEDSAEE[pT]EAKPAVVAPAPVVEAVST
 PSAAFPSDATAEQGPILTK.H
 1131 IMA4_HUMAN R.NVPQEELED[pS]DVDADFK.A
 1132 INCE_HUMAN R.IAQV[pS]PGPR.D
 1133 INCE_HUMAN R.[pT]LSPTASATAPTSQGIPTSDEE[pS][pT]PKK.
 S
 1134 INVS_HUMAN K.[pS]DIDINM#ADKYGG[pT]ALHAAALSGHV[pS
][pT]VKLLLENNAQVDA[pT]DVMK.H
 1135 IPO7_HUMAN R.A[pY]ACHAEHENDSDDDDEAEDDDETEELG[p
 S]DEDDIDEDGQEYLEILAK.Q
 1136 IPO7_HUMAN R.AYACHAEHEND[pS]DDDDEAEDDDETEELG[p
 S]DEDDIDEDGQEYLEILAK.Q
 1137 IPO7_HUMAN R.AYACHAEHEND[pS]DDDDEAEDDDDE[pT]EEL
 GSDEDDIDEDGQEYLEILAK.Q
 1138 IPO7_HUMAN R.AYACHAEHENDSDDDDEAEDDDDE[pT]EELG[p
 S]DEDDIDEDGQEYLEILAK.Q
 1139 IPP2_HUMAN K.IDEPSTPYHSMMGDDDEDACSD[pT]EATEAMAP
 DILAR.K
 1140 IPP2B_HUMAN R.IQEQE[pS][pS]GEEDSDLSPEER.E
 1141 IPP2B_HUMAN K.YRIQEQE[pS][pS]GEEDSDLSPEER.E
 1142 IRGQ_HUMAN R.LGAWAGEG[pT]AGGAALGALSFLWPAGGAA
 A[pT]GGLG[pY]R.A
 1143 IRS2_HUMAN -

.MASPPRHGPPGPA[pS]GDGPNLNNNNNNNNHHS
VRK.C

1144 ISPD_HUMAN R.ASEM#PQAFLFDVI[pY]EA[pY]QQCSDYDLEFG
[pT]ECLQLALKYCC[pT]K.A

1145 ITPI2_HUMAN R.SQ[pS]LPTTLLSPVR.V

1146 IWS1_HUMAN K.AAVL[pS]D[pS]EDEEKASAK.K

1147 J3KR35_HUMAN R.LKGQEDSLASAVDAATEQKTCD[pS]D.-
M.GGRGADAGS[pS]GGTGPTEGYSPPAASTRAA
AR.A

1148 J3KSI9_HUMAN R.A[pT]SNVFAMFDQSQIQEFK.E

1149 J3KTJ1_HUMAN R.AT[pS]NVFAMFDQSQIQEFK.E

1150 J3KTJ1_HUMAN R.A[pT]SNVFAM#FDQSQIQEFK.E

1151 J3KTJ1_HUMAN -

1152 J3QKY6_HUMAN .M#VM#AALSLVAACWGRAAADE[pS]VQLPAAP
G[pS]SVRAR.E

1153 J3QQM9_HUMAN -
.STGLLEHYGQGGNCLEDAAPF[pS]YH[pS]TFLLA
DR.T

1154 J3QQQ4_HUMAN -.TKGYM#VVLRLATGFSHPL[pT]QSAVM#GHR.S

1155 J3QRK7_HUMAN -
.[pT]TTSPLIPTTTTPARPLLPFSTGPGSPLFQPLSFQ[
pS]QG[pS]PPK.G

1156 J3QT09_HUMAN R.GHNEGNQSLISAEPVV[pS]SDEEGPVEHKSSEI
LK.L

1157 J9JIF5_HUMAN R.K[pS]SSAAASSSASSSSAILPAGGGGGGGGGGS
R[pT][pS]M#HHR.N

1158 JUND_HUMAN R.LAALKDEPQTPDVPSFGE[pS]PPLSPIDMDTQ
ER.I

1159 JUND_HUMAN -
.M#E[pT]PFYGDEAL[pS]GLGGGA[pS]G[pS]GGSF
ASPGRLFPGAPPTAAAG[pS]M#MKK.D

1160 JUPI2_HUMAN K.TSDIFG[pS]PVTATSR.L

1161 K1143_HUMAN R.IQPQPDEDGDH[pS]DKEDEQPQVVVLK.K

1162 K1C15_HUMAN R.GG[pS]LLAGGGGFGGGSLSGGGSR[pS]I[pS]A
[pS][pS]ARFV[pS][pS]G[pS]GGGYGGGM#R.V

1163 K1C17_HUMAN R.L[pS]GGLGAGSCR.L

1164 K1C17_HUMAN R.TSCR[pS]GGLGAGSCR.L

1165 K1C17_HUMAN R.QFTSSS[pS]IKGSSGLGGGSSR.T

1166 K1C17_HUMAN R.QFTSS[pS]SIKGSSGLGGGSSR.T

1167 K22O_HUMAN K.GSSSSSSSSG[pY]GVSSG[pS]G[pS]GYGGV[pS]
[pS]G[pS][pT]GGRG[pS][pS]G[pS]YQ[pS][pS]SSGS

R.L

1168 K22O_HUMAN R.GVFGGVSGSGSGGYKGGSSS[pS][pS][pS]SG[pY]GVSGSGSGYGGVSSGSTGGR.G

1169 K22O_HUMAN R.GVFGGVSGSGSGGYKGGSSSSS[pS][pS]G[pY]GV[pS]GGSGSGYGGVSSGSTGGR.G

1170 K2C1B_HUMAN R.MSGELQSHVSIQNSQVSVNGGAGGGGSYG[pS]GG[pY]GGGSGGG[pY]GGGR.S

1171 K2C8_HUMAN R.ISSS[pS]FSR.V

1172 K2C8_HUMAN R.[pS]YTSGPGSR.I

1173 K2C8_HUMAN R.LE[pS]GMQNM#[pS]IH[pT]K[pT]TSGYAGGLSSA[pY]GGLTSPGLSYSLGSSFGSGAG[pS][pS][pS]F[pS]R.T

1174 K4DI97_HUMAN R.M#PKSEGG[pS]GGGAAGGGAGGAGAGAGCGSGGSSVGVR.V

1175 K7EIH3_HUMAN K.DVSGFSDPYCLLGIEQGVGVPGG[pS]PGSR.H

1176 K7EIJ2_HUMAN K.DELDSLITAITTNGAHP[pS]K.C

1177 K7EJ94_HUMAN -.MSSTAGHTAGSGPM#PAPSAGSAST[pT]AR.T

1178 K7EJ94_HUMAN -.M#SSTAGHTAGSGPMPAPSAGSAST[pT]AR.T

-

1179 K7EJ94_HUMAN .ASSTAGHTAGSGPM#PAPSAGSAS[pT]TARTSAPTAGR.T

1180 K7EJV9_HUMAN K.IR[pT]SPTFR.R

-

1181 K7EK86_HUMAN .GG[pS][pS]QG[pT]ACAGTQPGAQPGAQPGASPSPSQPPADQ[pS]PH[pT]LRK.V

-

1182 K7EK86_HUMAN .EG[pS][pS]QGTACAGTQPGAQPGAQPGASPSPSQPPADQSPHTLRKVSK.K

-

1183 K7EKC2_HUMAN .M#ADQDPAGI[pS]PLQQM#VASGTGAVVTSLFM#TPLDVVKVRLQ[pS]QRP[pS]M#[pS]VP[pS][pS]LQ[pS][pT]GK.C

1184 K7ELC1_HUMAN R.[pS]R[pS]GA[pT]LSGPM#TM#SCRSCGPAPPAPSSSISAPR.A

-

1185 K7ELL4_HUMAN .VLKEEGTEAM#GGTGSSPGVGATEAPET[pT]IAAGVRVATVTGAR.A

-

1186 K7ELL4_HUMAN .VLKEEGTEAM#GGTGSSPGVGATEAPET[pT]IAAGVRVVA[pT]VTGAR.A

1187 K7EMM4_HUMAN -

.MM#SLGGRHAGLVGG[pS]HPEDGLAG[pS][pT][pS]LMHNHAALP[pS]QPG[pT]LPDL[pS]RPPD[pS]YSGLGR.A

1188 K7EN91_HUMAN R.LASVLLYSDYGIGEVPEPLDVPLPS[pT]IRPAS PVAGSPK.Q

1189 K7ENR9_HUMAN K.LTTTGQVT[pS]PVKGASFVTSTNPR.K

1190 K7EPI1_HUMAN R.ATCLEGPQSESLKSRTLAGE[pY]HSSHLNPS[pT]LGGQEM#[pT]K.R

1191 K7EQN7_HUMAN R.[pS]ASPAVQHECIPQAILGMDVLCQAK[pS]GM GK.T

1192 K7ERU2_HUMAN R.QADPQPQAWPPPD[pS]PVRVDTVR.V

-

1193 K7ERZ7_HUMAN .NLAGSTSLMHNHAALPSQPGTLPDLRPPD[pS]Y[pS]GLGRAGATAAASEIKR.E

1194 KAP0_HUMAN R.TDSREDEI[pS]PPPPNPVVK.G

1195 KAP2_HUMAN R.RV[pS]VCAETYNPDEEEEDTDPR.V

1196 KAP2_HUMAN R.VADAKGD[pS]E[pS]EEDEDELEVPVPSR.F

1197 KAP2_HUMAN R.RVSVCAE[pT]YNPDEEEEDTDPR.V

1198 KCD12_HUMAN R.SP[pS]GGAAGPLLTPSQSLDGSRR.S

-

1199 KCNH4_HUMAN .M#PVM#KGLLAPQNTFLD[pT]IATRFDG[pT]H[pS]NFLLANAQQ[pT]R.G

1200 KDM2A_HUMAN R.TPQRGDEEGLGGEEEEEEEEEEEDD[pS]AEEGGAAR.L

1201 KHDR1_HUMAN R.SG[pS]MDPSGAHPSVR.Q

1202 KIF3C_HUMAN K.ENPE[pT]GVYIK.D

1203 KIF3C_HUMAN K.AGPN[pT]AGGAATPSSGGGGGGGGSGGGAGGERPKEASKINL[pS]L[pS]ALGNVIAALAGNR.S

1204 KLDC4_HUMAN K.QVLTAPGSAGQPR[pS]EDED[pS]LEEAGSPAPGPCPR.S

1205 KLF12_HUMAN K.ART[pS]P[pT]AV[pS]SSPVSM#TASASSPSSTSTSSSSSR.L

1206 KPCI_HUMAN K.QVVPFKNISGEFGLDNFDSQFTNEPVQL[pT]PDDDDIVR.K

1207 KTN1_HUMAN K.KVEPVPVTKQP[pT]PPSEAAASK.K

1208 LAP2A_HUMAN R.[pS]STPLPTISSAENTR.Q

1209 LAP2A_HUMAN K.GPPDFS[pS]DEEREPTPVLGSGAAAAGR.S

1210 LAP2A_HUMAN K.GPPDFSDEEREPT[pT]PVLGSGAAAAGR.S

1211 LAP2A_HUMAN K.GPPDFS[pS][pS]DEEREPTPVLGSGAAAAGR.S

1212 LAP2A_HUMAN K.GPPDFS[pS]DEEREPT[pT]PVLGSGAAAAGR.S

1213 LAP2A_HUMAN R.DYVN[pS]LLVQGGVGSPLPGTSNSM#PPLDVEN

IQKR.I

1214 LAP2A_HUMAN R.NRPPLPAGTNSKGPPDFSSDEEREP[pT]PVLGS
GAAAAGR.S

1215 LAP2B_HUMAN R.SS[pT]PLPTISSSAENTR.Q

1216 LARP4_HUMAN K.DGLNQTIPV[pS]PPSTTKPSR.A

1217 LARP4_HUMAN R.ASTA[pS]PCNNNINAATAVALQEPR.K

1218 LAT1_HUMAN K.[pS]ADGSAPAGEGEGVTLQR.N

1219 LEO1_HUMAN K.KYVI[pS]DEEEEDDD.-

1220 LEXM_HUMAN K.G[pS]GAKACQM#IM#GSWNPVGVGRYLN[pT]
WLME[pT]K.D

1221 LIMA1_HUMAN K.TV[pS]PPIR.K

1222 LIMA1_HUMAN K.TV[pS]PPIRK.G

1223 LIMA1_HUMAN R.ASSLSE[pS]SPPK.A

1224 LIMA1_HUMAN R.ASSLSES[pS]PPK.A

1225 LIMA1_HUMAN R.ETPH[pS]PGVEDAPIAK.V

1226 LIMA1_HUMAN K.SEVQQPVHPKPL[pS]PDSR.A

1227 LMNA_HUMAN R.LRL[pS]PSPTSQR.S

1228 LMNA_HUMAN R.LRL[pS]PSPT[pS]QR.S

1229 LMNA_HUMAN R.ASSH[pS][pS]QTQGGGSVTK.K

1230 LMNB1_HUMAN K.LSP[pS]PSSR.V

1231 LMNB1_HUMAN R.LKL[pS]P[pS]PSSR.V

1232 LMNB1_HUMAN R.AGGPTTPLSP[pT]R.L

1233 LMNB1_HUMAN K.TTIPEEEEEEEAAGVVVEELFHQQG[pT]PR.A

1234 LMNB1_HUMAN R.LKL[pS]PSPSSR.V

1235 LMNB1_HUMAN R.AGGPTTPL[pS]PTR.L

1236 LMNB1_HUMAN R.AGGPT[pT]PL[pS]PTR.L

1237 LMNB1_HUMAN R.VTVSRA[pS]SSR.S

1238 LONM_HUMAN R.IA[pY][pT]FARAFLM#QHAPANDYLVTSIHHLH
VPEGATPK.D

1239 LRC47_HUMAN K.YTLENKEEGSL[pS]DTEADAVSGQLPDPTNPS
AGK.D

1240 LRP2_HUMAN R.SGADLNM#DIGVSGFGPETAIDR[pS]M#AM#SE
DFVMEM#GK.Q

1241 LRRF1_HUMAN K.SEDADRCTLPEHE[pS]PSQDISDACEAESTER.C

1242 LRRF1_HUMAN K.SEDADRCTLPEHESP[pS]QDISDACEAESTER.C

1243 LS14A_HUMAN R.SPVS[pT]RPLPSASQK.A

1244 LS14A_HUMAN R.[pS]PVSTRPLPSASQK.A

1245 LSG1_HUMAN K.TFFHQENVRAL[pT]KGVQAVM#G[pY]KPG[pS]
GVVTASTASSENGAGKPWK.K

1246 LUZP1_HUMAN R.EKPD[pS]DDDLDIASLVTA.K.L

1247 M0QX38_HUMAN K.RLLDAGAD[pT]NAQDH[pS]GR[pT]PLH[pT]AV[

pT]ADAQGVFQILIR.N
 1248 M0QXD0_HUMAN R.LLTPNPGYG[pT]QAGPSPAPP[pT]PPEEEDLRR.
 R
 1249 M0QY97_HUMAN R.AAKPGPAEAPSPTASPSGDA[pS]PPATAPYDPR.
 V
 1250 M0QY97_HUMAN R.AAKPGPAEAP[pS]PTASPSGDASPPATAPYDPR.
 V
 1251 M0QY97_HUMAN R.AAKPGPAEAPSP[pT]ASPSGDASPPATAPYDPR.
 V
 1252 M0QYB0_HUMAN R.LGAPENSGIS[pT]LER.G
 -
 1253 M0QZE8_HUMAN .TQM#GM#AAAVLAM#[pT]LAPT VSGTTSKCSSR
 R.W
 -
 1254 M0R0D6_HUMAN .M#WPTGHGDIISGHGPLV[pS][pT]TAAFAAAISM
 VVAM#AVYTSE R.W
 1255 M0R0F9_HUMAN R.AP[pS]DSSLGTPSDGRPELR.G
 1256 M0R1B6_HUMAN R.LNQPG[pT]PTR.T
 1257 MA13P_HUMAN K.EKAQAIATMGG[pT][pT]LM#A[pS]AHSWAKS
 SSFSCPE.-
 1258 MA7D1_HUMAN R.SAV[pT]LPR.N
 1259 MA7D1_HUMAN R.LSAS[pT]A[pS]ELSPK.S
 1260 MA7D1_HUMAN K.QLPLEPESPSGQVGPRPAPPQEE[pS]PSSEAK.S
 1261 MA7D1_HUMAN K.QLPLEPE[pS]PSGQVGPRPAPPQEESP[pS]SEAK
 .S
 1262 MAK16_HUMAN K.ALEQQEAE[pS]DS[pS]DTEEKDDDDDDDEEDVG
 KR.E
 1263 MAP1B_HUMAN R.GAE[pS]PFEEK.S
 1264 MAP1B_HUMAN K.VQSLEGEKL[pS]PK.S
 1265 MAP1B_HUMAN R.TTKSP[pS]DSGYSYETIGK.T
 1266 MAP1B_HUMAN R.ES[pS]PLYSPTFSDSTSAVK.E
 1267 MAP1B_HUMAN K.AAEAGGAEQYGFLT[pT]PTK.Q
 1268 MAP1B_HUMAN K.QG[pS]PDQV[pS]PVSEMTSTSLYQDKQEGK.S
 1269 MAP1B_HUMAN K.VSAEAEVAPV[pS]PEVTQEVVEEH CASPEDK.T
 1270 MAP1B_HUMAN K.VLSPLR[pS]PPLIGSESAYESFLSADDKASGR.G
 1271 MAP1B_HUMAN K.DSISAVSSEK VSPSKSP[pS]L[pS]P[pS]PP[pS]PL
 EK.T
 1272 MAP1B_HUMAN K.SGKQG[pS]PDQV[pS]PVSEMTSTSLYQDKQEG
 K.S
 1273 MAP1B_HUMAN K.VSAEAEVAPV[pS]PEV[pT]QEVVEEH CASPED
 K.T

1274 MAP1B_HUMAN K.TELSP[pS]FINPNPLEWFASEEPTTEESEKPLTQS
GGAPPPPGGK.Q
1275 MAP1B_HUMAN R.TTK[pS]PSDSGYSYETIGK.T
1276 MAP1B_HUMAN K.TTR[pT]PEEGGYSYDISEK.T
1277 MAP1B_HUMAN R.ES[pS]PL[pY]SPTFSDSTSAVK.E
1278 MAP1B_HUMAN R.ASVSPMDEPVPDSE[pS]PIEK.V
1279 MAP1B_HUMAN K.TLEVVSQSVTG[pS]AGHTP[pY]YQSPTDEK.
S
1280 MAP1B_HUMAN K.VSAEAEVAPVSPEVTQEVVEEHCA[pS]PEDK.T
1281 MAP1B_HUMAN K.TEL[pS]PSFINPNPLEWFASEEPTTEESEKPLTQS
GGAPPPPGGK.Q
1282 MAP1B_HUMAN R.E[pS]SPLYSPYSDSTSAVK.E
1283 MAP1B_HUMAN R.ES[pS]PLY[pS]PTFSDSTSAVK.E
1284 MAP1B_HUMAN K.[pT]ELSPSFINPNPLEWFASEEPTTEESEKPLTQS
GGAPPPPGGK.Q
1285 MAP4_HUMAN K.RA[pS]PSKPASAPASR.S
1286 MAP4_HUMAN K.DM#SPLSETEMALGKDV[pT]PPPETEVLIIK.N
1287 MARCS_HUMAN K.AEDGATP[pS]PSNETPK.K
1288 MARCS_HUMAN K.AEDGATSPSNE[pT]PK.K
1289 MARCS_HUMAN K.AEDGATSPSNE[pT]PKK.K
1290 MARCS_HUMAN K.AEDGATPSP[pS]NETPK.K
1291 MARCS_HUMAN K.AEDGATSPSNE[pT]PKKK.K
1292 MARCS_HUMAN K.AEDGATP[pS]PSNETPKKK.K
1293 MARF1_HUMAN K.IQLSSVPKVSACCAHCPNEPST[pS]PMRFGGGGG
GSGGTSSLIHPGALLDSQSTR.T
R.VP[pS]GAM#KM#PTM#VPLSLLSVPQLSGAGG
1294 MAZ_HUMAN GGGEAGAGGGAAAVAAGGVV[pT][pT][pT]A[pS]
GK.R
R.VPSGAMKMPTM#VPLSLLSVPQLSGAGGGGG
1295 MAZ_HUMAN EAGAGGGAAAVAAGGVVT[pT][pT]A[pS]GK.R
K.ALGGED[pS]ENEEELGDEAMMALDQSLASLF
1296 MBB1A_HUMAN AEQK.L
R.GNDPLTS[pS]PGR.S
1297 MCM2_HUMAN R.GLLYD[pS]DEEDEERPAR.K
1298 MCM2_HUMAN R.RGLLYD[pS]DEEDEERPAR.K
1299 MCM2_HUMAN R.AIPELDAYEAEGALDDEDVEELTA[pS]QR.E
1300 MCM2_HUMAN R.RTDALTS[pS]PGRDLPPFEDESEGLLGTEGGLEE
EEDGEELIGDGM#ER.D
1301 MCM2_HUMAN R.RTDALT[pS]SPGRDLPPFEDESEGLLGTEGGLEE
EEDGEELIGDGM#ER.D
1302 MCM2_HUMAN R.CTVIAAANPIGGRYDPSL[pT]F[pS]ENVDL[pT]E
1303 MCM2_HUMAN

PIISR.F
 1304 MCM2_HUMAN R.RTDALTS[pS]PGRDLPPFEDESEGLLGTEGPLEE
 EEDGEELIGDGMER.D
 1305 MCM2_HUMAN R.RGNDPLTS[pS]PGR.S
 1306 MCM2_HUMAN R.RTDAL[pT]SSPGRDLPPFEDESEGLLGTEGPLEE
 EEDGEELIGDGM#ER.D
 1307 MCM2_HUMAN R.RTDALT[pS]SPGRDLPPFEDE[pS]EGLLGTEGPLEE
 EEEEDGEELIGDGMER.D
 1308 MCM3_HUMAN R.SEDE[pS]ETEDEEEKSQEDQEQR.K
 1309 MCM3_HUMAN R.[pS]EDESE[pT]EDEEEKSQEDQEQR.K
 1310 MCM3_HUMAN K.DGDSYDPYDF[pS]DTEEEMPQVHTPK.T
 1311 MCM3_HUMAN K.DGDSYDPYDFSD[pT]JEEEM#PQVHTPK.T
 1312 MCM3_HUMAN K.DGDSYDPYDF[pS]DTEEEMPQVH[pT]PK.T
 1313 MCM3_HUMAN K.DGDSYDPYDF[pS]DTEEEM#PQVH[pT]PK.T
 1314 MCM3_HUMAN K.DGDSYDPYDF[pS]DTEEEM#PQVHTPK.T
 1315 MCM3_HUMAN K.DGDSYDPYDF[pS]D[pT]JEEEMPQVH[pT]PK.T
 1316 MCM3_HUMAN K.DGDSYDP[pY]DF[pS]DTEEEM#PQVH[pT]PK.T
 1317 MDC1_HUMAN R.SQTT[pT]JERDSDTDVEEEEELPVENR.E
 1318 MDC1_HUMAN R.SQTTTERD[pS]D[pT]DVEEEEELPVENR.E
 1319 MDC1_HUMAN R.ESEDSETQPFDTHTLEAYGPCL[pS]PPR.A
 1320 MDC1_HUMAN R.LLLAED[pS]EEEVDFLSER.R
 1321 MDC1_HUMAN R.SQTT[pT]JERDSD[pT]DVEEEEELPVENR.E
 1322 MDC1_HUMAN R.SQTT[pT]JERD[pS]DTDVEEEEELPVENR.E
 1323 MDC1_HUMAN R.AQPFQFID[pS]DTDAEEERIPATPVVIPMK.K
 1324 MECP2_HUMAN K.LLVKM#PFQ[pT][pS]PGGKAEGGGATTSTQVM
 #VIK.R
 1325 MEF2A_HUMAN R.ASPNLIGA[pT]GANS LGKVM#P[pT]K[pS]PPPP
 GGGNLGM#N[pS]R.K
 1326 MEP50_HUMAN R.KE[pT]PPPLVPPAAR.E
 1327 MEPCE_HUMAN R.CAPSAG[pS]PAAAVGRE[pS]PGAAATSSSGPQ
 AQQHR.G
 1328 MFAP1_HUMAN K.IVEPEVVGE[pS]D[pS]EVEGD AWR.M
 1329 MFAP1_HUMAN R.SLAALDALN[pT]DDENDEEEYEAWK.V
 1330 MFAP1_HUMAN R.MERED[pS][pS]EEEEEEIDDEEIER.R
 1331 MFAP1_HUMAN R.M#ERED[pS][pS]EEEEEEIDDEEIER.R
 1332 MFAP1_HUMAN K.IVEPEVVGE[pS]DSEVEGD AWR.M
 1333 MFAP1_HUMAN R.KIVEPEVVGE[pS]DSEVEGD AWR.M
 1334 MGAP_HUMAN R.IVNV[pT][pS]LA[pT]EGGLVDM#GGSKYPHEVP
 DSKPSDHLK.D
 1335 MGRN1_HUMAN R.[pY]PPK[pS]GNYFA[pS]HFFM#GGEK.F
 1336 MK01_HUMAN R.VADPDHDHTGFLTE[pY]VATR.W

1337 MKS1_HUMAN R.TETTGTV[pT]FRLHCLQQSR.A
1338 MLF2_HUMAN R.LAIQGPED[pS]PSR.Q
1339 MORC2_HUMAN R.SVAV[pS]DEEEVEEEAER.R
1340 MPP8_HUMAN R.GAEAFGD[pS]EEDGEDVFEVEK.I
1341 MSH4_HUMAN K.GLTEEKNYGLKAAEVS[pS]LPP[pS]IVLDAK.E
R.[pT]GGFLG[pT][pT][pS]PGPMAEL[pY]GAANQD
1342 MSI1H_HUMAN [pS]GV[pS][pS]YI[pS]AA[pS]PAPSTGFGHSLGGPL
IATAF[pT]NGYH.-
1343 MTMR5_HUMAN R.ACCRDYQRLGLGTL[pS]S[pS]L[pS]R.A
-
1344 MTOR_HUMAN .MLG[pT]GPAAA[pT][pT]AATTSSNVSVLQQFAS
GLK[pS]R.N
1345 MTUS2_HUMAN R.GQIPGGGEGPQK[pT]LPDHAVPAAFPAP[pT]D[p
S]TSEGKSVR.H
1346 MUC12_HUMAN R.NALKDEGASAGW[pS]VM#FAGE[pS]VVVLVH
LWM[pT]GARVK.N
1347 MUC16_HUMAN K.I[pT][pS]PM#K[pT]FAD[pS]TASKENAPVSMTP
AETTVD[pS]H[pT]PGR.T
1348 MUC16_HUMAN K.LH[pS][pS]VSIHSQPSGHTPPKVTGSMM#EDAI
VSTS[pT]PG[pS]PE[pT]K.N
1349 MUC16_HUMAN K.TTDM#LHKSSSEPVTN[pS]PANL[pS][pS][pT][pS]
VEILA[pT]SEVTTDTEKTHPSSNR.T
1350 MUC19_HUMAN R.L[pS]VIG[pS]G[pT][pT]G[pT][pS][pS]GG[pS]GA[
pT]R[pS][pS]GGGM#G[pT][pT]GQ[pS][pT]AR.S
1351 MUC19_HUMAN R.LSVIGSGT[pT]GTSSGGSGATRSSGGGM#GTTG
QSTAR.S
1352 MUC19_HUMAN K.VTGNYGQSSEIPG[pT]IK[pS][pS][pS]DVSGTM#
GQSDTTSGPSVAVTR.T
1353 MUC19_HUMAN R.I[pT][pS]GGSYTATTRAAPGTTLAPGSSN[pT]G
A[pT]A[pS]LGG[pS]AM#[pT]RGR.I
1354 MUC19_HUMAN K.GLG[pT]IRP[pS]VVGLE[pT][pT]ELSAEGSGTTG
PPIVGETTVPSAGVTVTSGY[pS]DR.V
1355 MUC19_HUMAN K.T[pT]APGPPTTASTGVK.E
1356 MUC19_HUMAN R.SEAPGEATTLTGDRSS[pT]G[pS]ESRTATTGVA
PGTTVAPGSSK.T
1357 MUC19_HUMAN R.VTPGSSNSEAT[pT][pS]VEESRITRAEVITEATT
FSGGSGATR.A
1358 MUC19_HUMAN K.[pT]GPPVVKAQ[pT][pT]GP[pS]AGVTVTSGQSA
RM#TGASGPSVGVGT[pT]GPA[pS]K.G
1359 MUC19_HUMAN R.AGTPRVSETPAVGGGSTPGEAGPGATVSGST
GVSAGSITASPGA[pS]ATSSESSK.S

1360 MUC19_HUMAN R.[pT]IFK[pT]VGI[pT][pS]APGRQAG[pT][pS]VVA
 P[pS]TTVAPGSFSTAAT[pT][pS]PGA[pS]GM#[pT]
 GVR.T
 M.MMCAA[pT]A[pS]PAAA[pS][pS]GLGGDGFYP
 1361 MYCB2_HUMAN AA[pT]F[pS][pS]SPAPGALFM#PVPDGSVAAAGL
 GLGLPAAD[pS]R.G
 R.NDSASQP[pS]HQ[pS]DAGKQGLGPPSTPIAVHA
 1362 MYCD_HUMAN AVK.S
 R.QLHLEGA[pS]LELSDDDTESKTSVDNETQPPQS
 1363 MYH10_HUMAN E.-
 R.QLHLEGASLEL[pS]DDDTESKTSVDNETQPPQS
 1364 MYH10_HUMAN E.-
 K.GAGDG[pS]DEEVDGKADGAEAKPAE.-
 1365 MYH9_HUMAN R.KGAGDG[pS]DEEVDGKADGAEAKPAE.-
 1366 MYH9_HUMAN R.EDEGR[pY]TIKV[pT]NPVGEDVA[pS]IFLQVV
 1367 MYPC2_HUMAN VPDPEAVR.I
 R.KGPQ[pT]KK.S
 1368 NACAM_HUMAN K.LVP[pS]QEETKLSVEESEAAAGDGVDTK.V
 1369 NASP_HUMAN R.KPEEE[pS]PRKDDAK.K
 1370 NASP_HUMAN -
 .M#A[pS]EKPGPGGLEPQPVGLIAVGAAGGGGG
 1371 NBEA_HUMAN GSGGGGTGGSGM#GELRGASGSG[pS]VMLPAG
 MINP[pS]VPIR.N
 R.SQEPSRSP[pT]PQGPPFGG[pS]RTPSTSDM#AE
 1372 NCK5L_HUMAN EGR.V
 R.LHL[pS]EDVAGA[pT]FM#AAGSSAPELFT[pS]V
 1373 NCKX3_HUMAN IGVFI[pT]K.G
 R.DHVEVCPDAGVIIIEEL[pS]QRIALTGGAALVAD
 1374 NDUF7_HUMAN [pY]GHDG[pT]K.T
 R.IK[pS]MFLQM#G[pT][pT]AGPSGEAGGGAGLA
 1375 NEB2_HUMAN EAPRASER.G
 K.LVTSGAESGNLNT[pS]PSSNQTR.N
 1376 NEDD1_HUMAN K.LGVADIIDCVVL[pT]SSPEATETSQQQLQR.V
 1377 NF2IP_HUMAN R.EALAEAALE[pS]PRPALVR.S
 1378 NHRF1_HUMAN K.AAPEAS[pS]PPA[pS]PLQHLLPGK.A
 1379 NIBA2_HUMAN R.DSMVMHNSDPNLHLLAEGAPIDWGEEYSNSG
 1380 NIBL1_HUMAN GGGSPSPS[pT]PESATLSEK.R
 R.SM#GTGDTPGLEVPS[pS]PLRK.A
 1381 NIPA_HUMAN R.SQDATFSPGSEQA EK[pS]PGPIVSR.T
 1382 NIPA_HUMAN R.SQDATF[pS]PGSEQA EK[pS]PGPIVSR.T
 1383 NIPA_HUMAN R.SM#GTGDTPGLEVPS[pS]PLR.K
 1384 NIPA_HUMAN

1385 NIPA_HUMAN R.SWDSSSPVDRPEPEAA[pS]PTTR.T
1386 NIPA_HUMAN R.SWDSS[pS]PVDRPEPEAA[pS]PTTR.T
1387 NKD1_HUMAN R.EDITSLLH[pT]IYEVVD[pS][pS]VNHSPTSSKM#
LRVK.L
1388 NKX26_HUMAN R.GSEVHNAGGGGGDRKLDG[pS]EPPGGPCEAV
LEM#DAER.M
1389 NMD3_HUMAN R.DSAIPVESD[pT]DDEGAPR.I
1390 NMD3_HUMAN R.DSAIPVE[pS]DTDDEGAPR.I
1391 NMDE2_HUMAN R.FMDG[pS]P[pY]AHMFEM[pS]AGE[pS][pT]FAN
NKSSVP[pT]AGHHHHNNPGGGYM#L[pS]K[pS]L
YPDR.V
1392 NOLC1_HUMAN R.GGSISVQVNSIKFD[pS]E.-
1393 NOLC1_HUMAN K.RAS[pS]PFR.R
1394 NOLC1_HUMAN K.GKG[pS]PRPQAPK.A
1395 NOTC2_HUMAN R.GGS[pS]DLSDEDEDAEDSSANIITDLVYQGASL
QAQTDR.T
1396 NP1L4_HUMAN R.EFITGDVEPTDAE[pS]EWHSENEEEEEK.L
1397 NP1L4_HUMAN R.EFITGDVEPTDAESEWH[pS]ENEEEEK.L
1398 NP1L4_HUMAN R.EFITGDVEPTDAE[pS]EWHSENEEEEEKLAGDM
K.S
1399 NP1L4_HUMAN R.EFITGDVEPTDAESEWH[pS]ENEEEEKLAGDM
K.S
1400 NP1L4_HUMAN R.EFITGDVEP[pT]DAESEWHSENEEEEEKLAGDM
K.S
1401 NP1L4_HUMAN R.EFI[pT]GDVEPTDAESEWHSENEEEEEKLAGDM
K.S
1402 NP1L4_HUMAN R.EFITGDVEPTDAE[pS]EWHSENEEEEEKLAGDM
#K.S
1403 NPM_HUMAN K.SIRD[pT]PAKNAQK.S
1404 NPM_HUMAN K.[pS]IRDTPAKNAQK.S
1405 NPM_HUMAN K.CG[pS]GPVHISGQHLVAVEEDAEESEDEEEEDV
K.L
-
1406 NPTN_HUMAN .M#[pS]G[pS][pS]LPSALALSLLLVSGLLPGPAA
QNAGFVKSPMSE[pT]K.L
1407 NSUN2_HUMAN R.AGEPN[pS]PDAEEANSPDVTAGCDPAGVHPPR.
-
1408 NSUN2_HUMAN R.AGEPNSPDAEEAN[pS]PDVTAGCDPAGVHPPR.
-
1409 NSUN2_HUMAN R.AGEPN[pS]PDAEEAN[pS]PDVTAGCDPAGVHP
PR.-

1410 NSUN2_HUMAN R.AGEPN[pS]PDAEEANSPDV[pT]AGCDPAGVHP
PR.-
1411 NTNG1_HUMAN K.LRCEEAG[pS]CG[pS]DSGQGAPPHGSPALLLLT
TLLGTA[pS]PLVF.-
1412 NUCKS_HUMAN K.ATVTP[pS]PVK GK.G
1413 NUCKS_HUMAN R.LKATVTP[pS]PVK GK.G
1414 NUCKS_HUMAN K.TPSPKEEDEEPE[pS]PPEKK.T
1415 NUCKS_HUMAN K.VVDYSQFQE[pS]DDADEDYGR.D
1416 NUCKS_HUMAN R.KVVDYSQFQE[pS]DDADEDYGR.D
1417 NUCKS_HUMAN K.[pT]STSPPEK[pS]GDEG[pS]EDEAP[pS]GED.-
1418 NUCKS_HUMAN K.TST[pS]PPPEK[pS]GDEG[pS]EDEAP[pS]GED.-
1419 NUCKS_HUMAN K.VVDYSQFQE[pS]DDADEDYGRDSGPPTK.K
1420 NUCKS_HUMAN K.VVDYSQFQE[pS]DDADEDYGRDSGPPTKK.I
1421 NUCKS_HUMAN R.KVVDYSQFQE[pS]DDADEDYGRDSGPPTK.K
1422 NUCKS_HUMAN R.LKATV[pT]PSPVK.G
1423 NUCKS_HUMAN K.ATV[pT]P[pS]PVK GK.G
1424 NUCL_HUMAN K.VVV[pS]PTKK.V
1425 NUCL_HUMAN K.ALVA[pT]PGKK.G
1426 NUCL_HUMAN K.MAPPPKEVEED[pS]EDEEM[pS]EDEEDDS[pS]G
EEVVIPQKK.G
1427 NUCL_HUMAN K.MAPPPKEVEED[pS]EDEEM[pS]EDEEDD[pS]SG
EEVVIPQKK.G
1428 NUF2_HUMAN K.IVD[pS]PEK LK.N
1429 NUF2_HUMAN K.GADNDG[pS]G[pS]ESGYTTPK.K
1430 NUF2_HUMAN K.DYEIESQNPLA[pS]PTNTLLGSAK.E
1431 NUF2_HUMAN K.DYEIESQNPLASPTNTLLG[pS]AK.E
1432 O2AG2_HUMAN R.ENTISFGGCALQM#FLALTMG[pS]AEDLLAF
MA[pY]DR.Y
1433 O2AG2_HUMAN R.REN[pT]I[pS]FGGCALQM#FLAL[pT]MG[pS]AE
DLLLAFM#A[pY]DR.Y
1434 O56A5_HUMAN R.[pS]ISFPACFLQVFIMN[pS]FL[pT]M#E[pS]C[pT]
FM#IMAYDR.Y
1435 O5AP2_HUMAN K.IDLCLHTPMYFFLSSLSFVDA[pS]YSSSVTPK.M
-
1436 OLIG2_HUMAN .M#DSDASLV[pS][pS]RP[pS][pS]PEPDDLFLPAR[p
S]KG[pS][pS]GSAFTGGTVSSSTPSCPELSAELR
.G
1437 OR8H3_HUMAN R.YAAIC SPLH[pY]TVIM#PKRLCLALITGPYVIGF
M#DSFVN VVSM[pS]R.L
1438 ORC2_HUMAN R.VVSAPVGKE[pT]PSKR.M
1439 OS9_HUMAN R.VDEPLSC[pS][pY]VLTIRTPR.L

1440	OSB11_HUMAN	R.SFSLASSSN[pS]PISQR.R
1441	OSBP1_HUMAN	K.MLAE[pS]DE[pS]GDEESVSQTDKTELQNTLR.T
1442	OSBP1_HUMAN	K.M#LAE[pS]DE[pS]GDEESVSQTDKTELQNTLR. T R.GDAGPG[pS]GAA[pS]G[pT]VVAAAAGGPGPG AGGVAAAGPAPAPP[pT]GGSGGSGAGGSGSAR. E
1443	OSBP1_HUMAN	R.TLSNAEDYLDDDED[pS]D.-
1444	OSTF1_HUMAN	K.LNLLHS[pY]MNVTWIRIPSE[pT]RAPLAQPESP
1445	OTU7A_HUMAN	TASAGEDVQSLADSLSDR.D -
1446	OTX1_HUMAN	.M#M#[pS]YLKQPPYGMNGLGLAGPAM#DLLHP[pS]VGYPATPRK.Q
1447	OXSRI_HUMAN	K.TEDGGWEW[pS]DDEFDEESEEGKAAISQLR.S
1448	OXSRI_HUMAN	R.G[pY]DFKADIWSFGITAIELA[pT]GAAPYHK.Y
1449	P3C2A_HUMAN	K.E[pT]LRQR.E
1450	P3C2A_HUMAN	R.[pS]ADAG[pS]F[pS]PTPGQIGGAVKLSIS[pY]JRN G[pT]LFIM#VMHIK.D
1451	P4K2A_HUMAN	R.VAAAAGSGP[pS]PPGSPGHDRER.Q
1452	P4K2A_HUMAN	R.VAAAAGSGP[pS]PPG[pS]PGHDRER.Q
1453	PAGR1_HUMAN	R.DLFSLSEDPSPA[pS]PPLR.S
1454	PAK2_HUMAN	K.YL[pS]FTPPEKDGFPSTPALNAK.G
1455	PALD_HUMAN	R.IA[pS]DEEIQGTKDAVIQDLER.K
1456	PAR1_HUMAN	R.FV[pT]AAFYCNM#YASILLM#TVISIDRFLAVV YPM#Q[pS]LSWR.T
1457	PARD3_HUMAN	R.RS[pS]DPALIGLSTSVSDSNFSSEEPSR.K
1458	PAWR_HUMAN	R.TDR[pS]GFPR.Y
1459	PAXX_HUMAN	R.LAAAEETAV[pS]PR.K
1460	PAXX_HUMAN	R.RLAAAEETAV[pS]PR.K
1461	PBIR1_HUMAN	R.SNSAPLIHGL[pS]DTSPVFQAEAPSAR.R
1462	PBIR1_HUMAN	R.SN[pS]APLIHGLSDTSPVFQAEAPSAR.R
1463	PBIR1_HUMAN	R.SNSAPLIHGLSDT[pS]PVFQAEAPSAR.R
1464	PCBP1_HUMAN	K.QICLVMLETLSQ[pS]PQGR.V
1465	PCBP1_HUMAN	R.VMTIPYQPMPAS[pS]PVICAGGQDR.C
1466	PCBP1_HUMAN	R.VM#TIPYQPMPAS[pS]PVICAGGQDR.C
1467	PCBP2_HUMAN	K.GVTIPYRPKPS[pS]SPVIFAGGQDR.Y
1468	PCBP2_HUMAN	K.GVTIPYRPKP[pS]SSPVIFAGGQDR.Y
1469	PCNP_HUMAN	K.TLSVAAAFNEDED[pS]EPEEMPPEAK.M
1470	PCNP_HUMAN	K.TLSVAAAFNEDED[pS]EPEEM#PPEAK.M
1471	PCY1A_HUMAN	K.AAAYDI[pS]EDEED.-
1472	PCY1A_HUMAN	R.WPFSGK[pT]SPPC[pS]PANLSR.H

1473	PCY1A_HUMAN	R.WPFSGKT[pS]PPC[pS]PANLSR.H
1474	PCY1A_HUMAN	R.WPF[pS]GKTSPPC[pS]PANLSR.H
1475	PDCD4_HUMAN	R.FV[pS]EGDGGR.L
1476	PDCD4_HUMAN	R.SGLTVPT[pS]PK.G
1477	PDCD4_HUMAN	K.ATVLL[pS]MSKGGK.R
1478	PDCD5_HUMAN	R.KVMD[pS]DEDDDY.-
1479	PDCD5_HUMAN	R.KVM#D[pS]DEDDDY.-
1480	PDE12_HUMAN	K.EAKPGAAEPEVGVPSLSLSPS[pS]PSSSWTETDV EER.V
1481	PDIA6_HUMAN	R.DGELPVEDDIDL[pS]DVELDDLKDEL.-
1482	PDLI5_HUMAN	R.ISNSATYSGSVAPAN[pS]ALGQTQPSDQDTLV QR.A
1483	PDLI7_HUMAN	R.TEAPAPASSTPQEPWPGPTAP[pS]PTSRPPWAV DPAFAER.Y
1484	PERM_HUMAN	R.RPFNV[pT]DVLTPAQLNVLSKSSGCAYQDVG [pT]CPEQDK.Y
1485	PESC_HUMAN	R.GEDPGNLNE[pS]EEEEEDDNNEGDGDEEGEN EEEEEDAEAG[pS]EKEEEAR.L
1486	PGRC1_HUMAN	K.EGEEPTVY[pS]DEEPPKDESAR.K
1487	PGRC1_HUMAN	K.IVRGDQPAASGD[pS]DDDEPPPLPR.L
1488	PGRC1_HUMAN	K.LLKEGEEPTVY[pS]DEEPPKDESAR.K
1489	PGRC1_HUMAN	K.IVRGDQPAA[pS]GDSDDDEPPPLPR.L
1490	PGRC1_HUMAN	K.EGEEPTVY[pS]DEEPPKDESARK.N
1491	PGRC2_HUMAN	R.LLKPGEEP[pS]EYTDEEDTKDHNKQD.-
1492	PGRC2_HUMAN	R.GLGAGAGAGEE[pS]PATSLPR.M
1493	PGRC2_HUMAN	R.LLKPGEEPSEYTDEED[pT]KDHNKQD.-
1494	PGRC2_HUMAN	R.LLKPGEEPSEY[pT]DEEDTKDHNKQD.-
1495	PGRP4_HUMAN	K.GH[pS]P[pS]PAALSAM#ENLITYAVQKGHL[pS] [pS][pS]YVQPLLK.G
1496	PHF6_HUMAN	K.TAHNSEADLEESFNEHELEPS[pS]PK.S
1497	PHIP_HUMAN	R.[pT]CAPLAVLQGH[pS]A[pS]I[pT]SLQFSPLCSG[pS]KR.Y
1498	PHLA2_HUMAN	R.TAPAAPAEDAVAAAAAAPSEPSEP[pS]RPSQP KPR.T
1499	PHLA2_HUMAN	R.TAPAAPAEDAVAAAAAAPSEPSEPSRP[pS]PQP KPRTP.-
1500	PHLA2_HUMAN	R.TAPAAPAEDAVAAAAAAPSEPSEPSRP[pS]PQP KPR[pT]P.-
1501	PININ_HUMAN	R.E[pS]EKQQDSQPVEEVMVLEMVENVK.H
1502	PININ_HUMAN	R.E[pS]RQESDPEDDDVKKPALQSSVATSK.E
1503	PININ_HUMAN	R.ESEKQQD[pS]QPVEEVMVLEMVENVK.H

1504 PININ_HUMAN R.ESRQE[pS]DPEDDDVKKPALQSSVVATSK.E
1505 PKHH1_HUMAN K.K[pT][pY][pY]L[pT]ADSPSLLEEWIRVLQSLK.
V
1506 PKN2_HUMAN R.GREDVSNFDDEFTSEAPIL[pT]PPREPR.I
1507 PKP3_HUMAN R.LS[pS]AHNGGSAFGAAGYGGAQP[pT]PPMPTR
PVSFHER.G
1508 PLCD3_HUMAN R.AL[pS]DREEEEEEDDEEEEEVEAAAQR.R
1509 PLEC_HUMAN K.AQLEPVA[pS]PAK.K
1510 PLEC_HUMAN R.SS[pS]VGSSSSYPISPAVSR.T
1511 PLEC_HUMAN R.SSSVGSSSSYPi[pS]PAVSR.T
1512 PLEC_HUMAN K.GYY[pS]PYSVSGSGSTAGSR.T
1513 PLEC_HUMAN R.SS[pS]VG[pS]SSSYPIPAVSR.T
1514 PLEC_HUMAN R.L[pT]VDEAVR.A
1515 PNRC1_HUMAN K.EN[pY]AGAKFSDPPSP[pS]VLPKPP[pS]HWM#G
[pS]TVENSNQNR.E
1516 PO210_HUMAN R.DLAVPAAL[pT]PR.A
1517 PO210_HUMAN K.IQALDSEGNTFSTLAGLVFEW[pT]IVKDSEADR
.F
1518 PODXL_HUMAN R.[pT]PTLPETM#SSSPTAASTTHRYPKTPSP[pT]V
AHE[pS]NWAK.C
1519 POTEE_HUMAN K.DL[pY]TN[pT]VL[pS]GGTTM#[pY]PGM#AHRM
#QKEIAALAPSMK.I
-
1520 PP14C_HUMAN .M[pS]VA[pT]G[pS][pS]E[pT]AGGA[pS]GGGARVF
FQ[pS]PRGGAGG[pS]PG[pS][pS]SGSGS[pS]R.E
-
1521 PP4P2_HUMAN .MAADGVDER[pS]PLLSASHSGNVTPPTAPPYLQE
S[pS]PRAELPPP[pY][pT]AIA[pS]PDA[pS]GIPVINC
R.V
1522 PPIL4_HUMAN R.INHTVILDDPFDDPPDLLIPDR[pS]PEPTREQLD
SGR.I
-
1523 PPM1H_HUMAN .M#LTRVKSANFM#GGIM#AGSSGSEHGGGSC
GG[pS]DLPLR.F
1524 PR15A_HUMAN R.EAT[pS]VPR.G
1525 PR38A_HUMAN R.VSALEEDMDDVE[pS][pS]EEEEEEDEKLER.V
1526 PRC2C_HUMAN K.AFGSGIDIKPG[pT]PPIAGR.S
1527 PRC2C_HUMAN K.AAGSP[pS]SSDQDEKLPQDESTAGTSEQNDIL
K.V
1528 PRP4B_HUMAN K.LCDFGSASHVADNDITP[pY]LVSR.F
1529 PRP4B_HUMAN K.VQSGM#GLILQGYE[pS]G[pS]EEEGEIHEK.A

1530 PRP4B_HUMAN R.RLS[pS]PR.T
1531 PRP4B_HUMAN K.[pY]LAEDSNM#SVPSEPSSPQSSTR[pT]R[pS]PS
PDDILER.V
1532 PRP4B_HUMAN R.RL[pS]SPR.T
1533 PRP4B_HUMAN R.KK[pS]PIINESR.S
1534 PSIP1_HUMAN K.TGVTST[pS]D[pS]EEEGDDQEGEKKR.K
1535 PSMD8_HUMAN K.SGGLLAASRKMAAAAVNGAAGF[pS][pS][pS]G
PAA[pT]SGAVLQAATGM#[pY]EQLK.G
1536 PSME4_HUMAN R.HAGVLGLGACVLSSP[pY]DVP[pT]WMPQLLM
NL[pS]AHLNDPQPIEM#[pT]VKK.T
1537 PSN1_HUMAN R.AAVQELSS[pS]ILAGEDPEER.G
1538 PTPRM_HUMAN R.QEM#[pT]VM#VN[pS]MDK[pS][pY]AEQGTNCD
EAFSFM#DTHNLNGRSVSSPSSF[pT]M#K.T
1539 PTX4_HUMAN R.EG[pY]EIPPGG[pS]LVLGQEOD[pS]VGGGFDDSS
EAFVG[pS]M#[pS]GLAIWDR.A
1540 PTX4_HUMAN R.FREG[pY]EIPPGG[pS]LVLGQEOD[pS]VGGGFDD
SSEAFVGSMP[pS]GLAIWDR.A
1541 PUR4_HUMAN K.C[pS]GNWMWAAKLPGEAALADACEAMVA
VMAALGVAVDGGKDSLMS#AAR.V
1542 PURB_HUMAN R.DSLGDFIEHYAQLGPS[pS]PEQLAAGAEEGGGP
R.R
1543 PURB_HUMAN R.DSLGDFIEHYAQLGP[pS]SPEQLAAGAEEGGGP
R.R
1544 PWP1_HUMAN K.EKLQEEGGG[pS]DEEETGSPSEDGMQSAR.T
1545 PYGO2_HUMAN R.GGG[pT]PDANSLAPPGK.A
1546 PYRG1_HUMAN R.SGSS[pS]PDSEITELKFPSINHD.-
1547 PYRG1_HUMAN R.SGS[pS]SPDSEITELKFPSINHD.-
1548 Q5JW53_HUMAN R.IHLGS[pS]PK.K
1549 Q5SR50_HUMAN R.LHAED[pS]AP[pS]RM#IGVAM#PGLGVLPGLV
QAPGDAEC[pS]RLLQILELGR.H
-
1550 Q5SRN1_HUMAN .M#[pS]AAIAALAASYGSGSGSESD[pS]D[pS]E[pS]
[pS]RCPLPAAD[pS]LM#HL[pT]K.S
1551 Q5SXN9_HUMAN -. [pY]TGGIKLER.D
1552 Q5T5H1_HUMAN R.KS[pS]LVTSK.L
1553 Q5T757_HUMAN K.KPIETG[pS]PK.T
1554 Q5T757_HUMAN K.KPIE[pT]GSPK.T
1555 Q5T8R3_HUMAN K.EIEGIFHA[pT][pT][pS]EVSWISSIM#LAVMYGG
GPISSILVNK.Y
1556 Q5TBG5_HUMAN K.QM#LFRYQGYIGAALVLGGVDV[pT]GPHLYSI
YPHG[pS][pT]DK.L

1557 Q5TEJ7_HUMAN .M#WN[pS]NDGGGFES[pY]GSSSYGGAGG[pY]TQ
 SPGGFGSPAPSQAEEK.K
 1558 Q5VZU9_HUMAN K.GDY[pT]IRLQIR.H
 1559 Q5VZU9_HUMAN K.GD[pY]TIRLQIR.H
 -
 1560 Q5Y7D1_HUMAN .MVCLRLPGG[pS]CM#AVLTV[pT]LM#VL[pS][pS]
 PLALAGD[pT]RPR.F
 1561 Q8ND98_HUMAN K.EIINAIDGIGGLGIGEGAPEIV[pT]GSRDGTVK.V
 1562 R113A_HUMAN R.ELDEGRYGVYEDENYEVG[pS]DDEEIPFK.C
 1563 R4GMQ1_HUMAN R.EMDESLANL[pS]EDEY[pY]SEEERNAK.A
 -
 1564 R4GMR7_HUMAN .[pS][pT]VQCRKA[pS]FELYGADFVFGEDFQPWLI
 EINA[pS]PTM#AP[pS][pT]AV[pT]AR.L
 1565 R4GN01_HUMAN R.GDT[pS]KRPYPRAGTALGFCLILSGPEEVFHK.
 Y
 1566 R4GN37_HUMAN M.AAPSPSGGGGSGGGSGSG[pT]PGPVGSPAPGH
 PAVSSM#QGK.R
 1567 R4GN59_HUMAN -.MHVYSLAEAPAGRM#IQ[pS]DK.G
 -
 1568 R4GN68_HUMAN .M#AAPSPSGGGGSGGGSGSGTTPGPVGSPAPGHP
 AV[pS]SM#QER.D
 1569 RAD18_HUMAN K.NDLQDTEI[pS]PR.Q
 1570 RAF1_HUMAN R.ST[pS]TPNVHMOVSTTLPVDSR.M
 1571 RAGP1_HUMAN R.KILDPNTGEPAPVLSSPPPADVSTFLAFP[pS]PE
 K.L
 1572 RAGP1_HUMAN K.ILDPNTGEPAPVLSSPPPADVSTFLAFP[pS]PEK.
 L
 1573 RAI14_HUMAN K.DRLSD[pS]TTGADSLDISSEADQQDLLSLLQA
 K.V
 1574 RALY_HUMAN R.TRDDGDEEGLLTH[pS]EEEELEHSQDTDADDGA
 LQ.-
 1575 RALY_HUMAN R.TRDDGDEEGLL[pT]HSEEELEHSQDTDADDGA
 LQ.-
 1576 RALY_HUMAN R.TRDDGDEEGLL[pT]HSEEELEHSQD[pT]DADD
 GALQ.-
 1577 RALY_HUMAN R.TRDDGDEEGLLTH[pS]EEEELEH[pS]QDTDADD
 GALQ.-
 1578 RALY_HUMAN R.TRDDGDEEGLL[pT]H[pS]EEEELEHSQDTDADD
 GALQ.-
 1579 RALY_HUMAN R.GRL[pS]PVPVPR.A

1580 RALY_HUMAN R.TRDDGDEEGLL[pT]HSEEELEH[pS]QDTDADD
GALQ.-
1581 RALY_HUMAN R.TRDDGDEEGLLTHSEEELEH[pS]QDTDADDGA
LQ.-
1582 RANB3_HUMAN R.SAGG[pS]SPEGGED[pS]DREDGNYCPPVKR.E
1583 RANB9_HUMAN K.MVSS[pY]LVHHGYCATAEAFARS[pT]DQ[pT]V
LEELASIKNR.Q
1584 RB33A_HUMAN R.KSM#VEHYRNVHAVVVFVYDV[pT]K.M
1585 RBM10_HUMAN K.LASDDRP[pS]PPR.G
1586 RBM14_HUMAN R.QP[pT]PPFFGR.D
1587 RBM25_HUMAN K.LGASN[pS]PGQPNSVK.R
1588 RBM25_HUMAN K.LGASN[pS]PGQPNSVKR.K
1589 RBP2_HUMAN K.VGEDEDG[pS]DEEVVHNEDIHFEPVSLPEVEV
K.S
1590 RBP2_HUMAN K.SAL[pS]PSKSPAK.L
1591 RBP2_HUMAN K.ELVGPPLAETVFTPKT[pS]PENVQDR.F
1592 RBP2_HUMAN K.ELVGPPLAETVF[pT]PK[pT]SPENVQDR.F
1593 RBP56_HUMAN R.TDADSESDN[pS]DNNTIFVQGLGEGVSTDQVG
EFFK.Q
1594 RCAS1_HUMAN R.KL[pS]GDQITLPTTVDYSSVPK.Q
1595 RD23A_HUMAN R.AVEYLLTGIPG[pS]PEPEHGVSQESQVSEQPAT
EAAGENPLEFLR.D
1596 REL2_HUMAN R.QSEAADS[pS]PSELKYLGLD[pT]HSRK.K
1597 REPS2_HUMAN K.FRPENQATENQEP[pS][pT]AASGPASAATMKP
HPTVQKQSSK.Q
1598 RET3_HUMAN R.ATVIGEPTAGGALSVGI[pY]QVGSSPLYASMP[
pT]QM#AM#SATTGK.A
1599 RETR2_HUMAN R.QALD[pS]EEEEEDVAAK.E
1600 RGL2_HUMAN R.[pS]A[pS]CG[pS]PLSGGAEASGG[pT]G[pY]GG
EG[pS]GPGA[pS]DCRIIR.V
1601 RHG17_HUMAN R.SP[pS]PPTQHTGQPPGQPSAPSQLSAPR.R
1602 RHG17_HUMAN R.SPSPPTQH[pT]GQPPGQPSAPSQLSAPR.R
1603 RHG17_HUMAN R.AESSSGGGTVPSSAGILEQGSPGDG[pS]PPKP
K.D
1604 RHG17_HUMAN R.AESSSGGGTVPSSAGILEQGSPGDG[pS]PPKP
KDPVSAVPAPGR.N
1605 RHG17_HUMAN R.[pS]PSPPTQHTGQPPGQPSAPSQLSAPR.R
1606 RHG17_HUMAN R.AESSSGGGTVPSSAGILEQGP[pS]PGDGSPPKP
K.D
1607 RHG35_HUMAN R.TSFVSG[pS]DDELGPIR.K
1608 RIF1_HUMAN R.GQ[pS]PLAPLLE[pT]LEDP[pS]A[pS]HGGQTDA

YLTLTSRM#[pT]GEEGK.E
 1609 RIPK2_HUMAN R.M#M#SLSQSRS[pS]K[pS]APEGG[pT]IYMPPEN
 YEPGQK.S
 1610 RL14_HUMAN K.AALLKA[pS]PK.K
 1611 RL1D1_HUMAN K.ATNE[pS]EDEIPQLVPIGK.K
 1612 RLA0L_HUMAN K.VEAKKEE[pS]EE[pS]DEDMGFGLFD.-
 1613 RNPS1_HUMAN R.AP[pS]PTKR.K
 1614 RPA34_HUMAN K.TVKQEQINTEPLEDTVL[pS]PTK.K
 1615 RPAC2_HUMAN K.I[pS]GLKTSMAEGER.K
 1616 RPC8_HUMAN K.GC[pS]PEGVHVSLGFFDDILIPPE[pS]LQQPAK.F
 1617 RPRD2_HUMAN R.GPTSTSIDNIDG[pT]PVRDER.S
 1618 RPRD2_HUMAN K.NTGVSPASRPSPGTPT[pS]PSNLTSGLK.T
 R.ESLTLPSH[pS]LEHLGPPHGGGGGGG[pS]NSSS
 1619 RPRD2_HUMAN GPPLGPSHR.D
 1620 RPTOR_HUMAN R.VLDTSSLTQSAPA[pS]PTNK.G
 -
 1621 RPTOR_HUMAN .ME[pS]EM#LQSPLLGLGEEDEADL[pT]DWNLPL
 AFMK.K
 1622 RRBP1_HUMAN K.SHVEDGDIAGAPAS[pS]PEAPPAEQDPVQLK.T
 R.FDVFQEEDSNSDYDLQQPAPGGSEVAP[pS]ML
 1623 RSH4A_HUMAN EI[pT]IQNAK.A
 1624 RSRC2_HUMAN K.EQSEVSV[pS]PR.A
 1625 RTL9_HUMAN K.SM#TAGGM#QMNSPTSDVMSTPTVRAWTSET
 MS[pT]PLMR.T
 1626 RTL9_HUMAN R.TM#ASGLTSAQMAMTSGAMSTPLMTAQTS
 G[pS][pT]STLLM#R.D
 1627 RTL9_HUMAN R.APASGEIATPLRSPA[pY]GAMSAPQM#TATA[p
 S]GMM[pS]SMPQVK.A
 1628 RTL9_HUMAN R.D[pT]ASGAM#STSQMTATVSGGMSMPLMRAQ
 DPGVMPASLM#R.A
 1629 RTL9_HUMAN R.A[pT]A[pS]GVM[pS]APPVRALD[pS]GAM#STPL
 MGAPASGNM[pS][pT]LQK.T
 1630 RTL9_HUMAN R.DTASGAM#S[pT][pS]QM#[pT]A[pT]VSGGM#S
 MPLMRAQDPGVMPASLM#R.A
 1631 RU17_HUMAN R.YDERPGP[pS]PLPHR.D
 1632 RUN3B_HUMAN K.QDTLNMSEGGKED[pT]P[pS]LLGLCG[pS]LTSV
 ASYKSLTSLK.S
 1633 S27A2_HUMAN R.SEVTFSTPAL[pY]I[pY]TSG[pT]TGLPKAAM#IT
 HQR.I
 1634 S27A5_HUMAN K.M#L[pS]L[pS]GATADDVV[pY]TVLPLYHVM#G
 LVVGILGCLDLGATCVLAPK.F

1635 S27A5_HUMAN K.M#[pS]CLLRM#L[pS]PFELVQFDM#EAAEPVRD
NQGFCIPVGLGEPGLLL[pT]K.V
1636 SAFB1_HUMAN R.TDCEPVGLEPAVEQSSAASELAEASSEELAEAP
TEAP[pS]PEAR.D
1637 SAFB1_HUMAN K.REPAEQPGDGERTDCEPVGLEPAVEQSSAAASE
LAEASSEELAEAPTEAP[pS]PEAR.D
1638 SAFB1_HUMAN K.REPAEQPGDGERTDCEPVGLEPAVEQSSAAASE
LAEAS[pS]EELAEAP[pT]EAPSPEAR.D
1639 SAFB1_HUMAN R.EPAEQPGDGERTDCEPVGLEPAVEQSSAAASEL
AEASSEELAEAPTEAP[pS]PEAR.D
1640 SAS10_HUMAN K.TSAAACAVTDL[pS]DD[pS]DFDEKAK.L
1641 SC5A2_HUMAN R.GGVG[pS]PPPLTQEEAAAAAR.R
1642 SC61B_HUMAN M.PGPTPSGTNVGSSGR[pS]PSK.A
1643 SC61B_HUMAN M.PGPTPSGTNVGS[pS]GRSPSK.A
1644 SC61B_HUMAN M.PGPTPSGTNVGSSGRSP[pS]K.A
1645 SC61B_HUMAN M.PGPTPSG[pT]NVGSSGRSPSKAVAAR.A
1646 SDE2_HUMAN R.VVN[pT]DHGSPEQLQIPVTDSCR.H
1647 SEC62_HUMAN K.EELEQQ[pT]DGDCEEDEEEEENDGETPK.S
1648 SEPT2_HUMAN K.IYHLPDAE[pS]DEDEDFKEQTR.L
1649 SET_HUMAN K.RQ[pS]PLPPQK.K
1650 SETD2_HUMAN R.Q[pT]QWDPP[pT]WE[pS]PGDDASLEHEAEMDL
GTPTYDENPM#K.A
1651 SF01_HUMAN R.TGDLGIPPNPEDR[pS]P[pS]PEPIYNSEGK.R
1652 SF01_HUMAN R.TGDLGIPPNPEDR[pS]P[pS]PEPIYNSEGK.R.L
1653 SF01_HUMAN R.TGDLGIPPNPEDR[pS]PSPEPI[pY]NSEGK.R
1654 SF01_HUMAN R.TGDLGIPPNPEDR[pS]PSPEPIYN[pS]EGK.R
1655 SF3A1_HUMAN K.FGESEEVEMEVE[pS]DEEDDKQEK.A
1656 SF3A3_HUMAN R.TGEEREEEEEQI[pS]E[pS]E[pS]EDEENEIINYNP
K.N
1657 SFR19_HUMAN R.FDIYDPFHPTDEAY[pS]PPPAPPEQK.Y
1658 SFR19_HUMAN R.FDIYDPFHP[pT]DEAYSPPPAPPEQK.Y
1659 SFR19_HUMAN R.QR[pS]P[pS]PAPAPAPAAAAGPPTR.K
1660 SH24A_HUMAN R.TL[pS]SSAQEDIIR.W
1661 SH3B4_HUMAN R.[pS]YSLSELSVLQAKSDAPTSSTSSFFTGLK[pS]PA
PEQFQ[pS]R.E
1662 SH3G1_HUMAN K.IAASS[pS]FR.S
-
1663 SHCBP_HUMAN .M#ADGSL[pT]GGGLEAAAM#APERM#GWAVEQ
ELASLEK.G
1664 SHOX2_HUMAN R.[pS][pS]PAVRAAGGGGGGGGGGGGGGGGGGGV
GGGGAGGGAGGGR[pS]PVR.E

1665 SI1L1_HUMAN K.LIDLE[pS]PTPESQK.S
1666 SI1L1_HUMAN R.TL[pS]DESIYNSQR.E
1667 SIN3A_HUMAN R.GDL[pS]DVEEEEEEMDVDEATGAVK.K
1668 SKIV2_HUMAN R.AS[pS]LEDLVLK.E
1669 SLAP2_HUMAN K.[pS]LP[pS]P[pS]L[pS][pS][pS]VQGQGPV[pT]M#
EAER[pS]KA[pT]AVALGSFPAGGPAELSLR.L
1670 SLN12_HUMAN K.KQNESVSRAMCALLN[pS]GGGVK.A
1671 SLTM_HUMAN R.AGAGM#ITQHSSNA[pS]PINR.I
1672 SMAP_HUMAN R.SA[pS]PDDDLGSSNWEAADLGNEER.K
1673 SMAP_HUMAN R.SA[pS]PDDDLGSSNWEAADLGNEERK.Q
1674 SMAP_HUMAN K.RSASPDDDLGS[pS]NWEAADLGNEER.K
1675 SMAP_HUMAN K.R[pS]ASPDDDLGSSNWEAADLGNEER.K
1676 SMC4_HUMAN R.TE[pS]PATAAETASEELDNR.S
1677 SMC4_HUMAN R.TESPA[pT]AAETASEELDNR.S
1678 SMC4_HUMAN R.RREEGPPPP[pS]PDGA[pS]SDAEPEPPSGR.T
1679 SMC4_HUMAN R.[pT]ESPATAAETASEELDNR.S
1680 SMC4_HUMAN R.RREEGPPPPSPDGA[pS]SDAEPEPPSGR.T
1681 SMC4_HUMAN R.RREEGPPPPSPDGAS[pS]DAEPEPPSGR.T
1682 SMC4_HUMAN R.RREEGPPPP[pS]PDGAS[pS]DAEPEPPSGR.T
1683 SMC4_HUMAN R.RREEGPPPP[pS]PDGASSDAEPEPP[pS]GR.T
1684 SMCA5_HUMAN K.TPT[pS]PLK.M
1685 SMCA5_HUMAN K.GGPEGVAAQAVASAASAGPADAEMEEIFDDA[
pS]PGKQK.E
1686 SMRC1_HUMAN R.KH[pS]P[pS]PPPPTPTESR.K
1687 SMRC2_HUMAN K.TLTDEVN[pS]PDSDRR.D
1688 SMRC2_HUMAN K.TFNKDTVIIV[pS]EP[pS]EDEESQGLPTMAR.R
1689 SMRC2_HUMAN K.TFNKDTVIIV[pS]EPSEDEE[pS]QGLPTM#AR.R
1690 SMRC2_HUMAN K.TFNKDTVIIV[pS]EP[pS]EDEESQGLPTM#AR.R
1691 SO1B7_HUMAN K.MVEQQYGWSA[pS]K[pT]NFLLGVLALPAVAIG
M#FSGG[pY]IIK.K
1692 SO4C1_HUMAN R.CN[pT]PGGFLLHYCLLAV[pT]QGIVVNGLVNI[
pS]I[pS][pT]VEK.R
1693 SON_HUMAN K.EMEHNTVCAAGT[pS]PVGEIGEEK.I
1694 SON_HUMAN K.EM#EHNTVCAAGT[pS]PVGEIGEEK.I
1695 SON_HUMAN K.DTEEPLPVKESDQTLAALL[pS]PK.E
1696 SORL_HUMAN K.ENVH[pS]WLILQVNA[pT]DALGVPCCTENDYKL
WSPSDER.G
-
1697 SOX1_HUMAN .M[pY]SM#MMETDLHSPGGAQAP[pT]NLSGPAG
AGGGGGGGGGGGGGGGGAKANQDR.V
1698 SOX3_HUMAN K.SSANAAGGANSGGGSSGGASGGGGGTDQDR

VKRPM#NAFMVW[pS]R.G
R.YDM#AGLQY[pS]PM#MPPGAQ[pS]YMNVAAA
1699 SOX3_HUMAN AAAA[pS]GYGGMAPSATAAAAAAYGQQPATAA
AAAAAAAAMSLGPMGSVVK.S
1700 SOX4_HUMAN K.GDKVGGSGGGGHGGGGGGSSNAGGGGGGA
[pS]GGGANSKPAQK.K
1701 SOX4_HUMAN K.GDKVGG[pS]GGGGHGGGGGGSSNAGGGGG
GA[pS]GGGANSKPAQKK.S
1702 SOX4_HUMAN K.GDKVGG[pS]GGGGHGGGGGGG[pS][pS]NAGG
GGGGASGGGANSKPAQK.K
1703 SPAS2_HUMAN R.[pY]QSAPSQAPGN[pT]IERGQ[pT]H[pS]AGTNG
TGVSM#EPSPTPSFK.K
1704 SPT5H_HUMAN R.DVTNFTVGGFAPM[pS]PR.I
1705 SPT6H_HUMAN R.KQQRTP[pT]YIK.R
1706 SQSTM_HUMAN R.LTPV[pS]PESSSTEEK.S
1707 SQSTM_HUMAN R.SRL[pT]PVSPESSTEEK.S
1708 SQSTM_HUMAN R.SRLTPV[pS]PESSSTEEK.S
1709 SQSTM_HUMAN R.SRL[pT]PV[pS]PESSSTEEK.S
1710 SQSTM_HUMAN K.EVDPSTGELQSLQMPSEGP[pS]SLDPSQEGPT
GLK.E
1711 SQSTM_HUMAN K.EVDPSTGELQSLQM#PE[pS]EGPSSLDPSQEGP
TGLK.E
1712 SQSTM_HUMAN K.EVDPSTGELQSLQMPE[pS]EGPSSLDPSQEGPT
GLK.E
1713 SQSTM_HUMAN K.EVDPSTGELQSLQM#PESEGPSSLDPSQEGP[pT
]GLK.E
1714 SRC8_HUMAN K.TQTPPVSPAPQPTTEERLPS[pS]PVYEDAASF.K.A
1715 SRC8_HUMAN K.TQ[pT]PPVSPAPQPTTEERLPSPV[pY]EDAASF.K
.A
1716 SRC8_HUMAN K.TQ[pT]PPV[pS]PAPQPTTEERLPSPVYEDAASF.K
.A
1717 SRC8_HUMAN K.TQ[pT]PPV[pS]PAPQPTTEERLPSPV[pY]EDAAS
FK.A
1718 SRC8_HUMAN R.AKTQ[pT]PPVSPAPQPTTEERLPSPVYEDAASF
K.A
1719 SRC8_HUMAN R.AKTQTPPVSPAPQPTTEERLPSPVYEDAA[pS]F
K.A
1720 SRC8_HUMAN K.[pT]QTPPVSPAPQPTTEERLPSPVYEDAASF.K.A
1721 SRC8_HUMAN K.TQTPPVSPAPQPTTEERLP[pS]SPVYEDAASF.K.A
1722 SRC8_HUMAN K.TQ[pT]PPV[pS]PAPQP[pT]EERLPSPVYEDAAS
FK.A

1723	SRC8_HUMAN	R.AKTQ[pT]PPV[pS]PAPQPTEERLPSSPV[pY]EDA ASFK.A
1724	SRC8_HUMAN	K.TQ[pT]PPVSPAPQPTEERLPSSPVYEDAASFK.A
1725	SRC8_HUMAN	R.AKTQTPPVSPAPQP[pT]EERLPSSPVYEDAASF K.A
1726	SRC8_HUMAN	R.AKTQTPPV[pS]PAPQPTEERLPSSPVYEDAASF K.A
1727	SRC8_HUMAN	R.AKTQTPPV[pS]PAPQPTEERLPSSPV[pY]EDAA SFK.A
1728	SRC8_HUMAN	R.AKTQ[pT]PPV[pS]PAPQPTEERLPSSPVYEDA SFK.A
1729	SRC8_HUMAN	R.AKTQ[pT]PPVSPAPQPTEERLPSSPV[pY]EDAA SFK.A
1730	SRC8_HUMAN	R.AKTQ[pT]PPV[pS]PAPQP[pT]EERLPSSPVYEDA ASFK.A
1731	SRF_HUMAN	K.ALIQTCLNSPD[pS]PPRSDPTTDQR.M
1732	SRF_HUMAN	M.LPTQAGAAAALGRGSALGGSLNRTP[pT]GRP GGGGG[pT]R.G
		-
1733	SRF_HUMAN	.M#LP[pT]QAGAAAALGRG[pS]ALGG[pS]LNR[pT]]P[pT]GRPGGGGG[pT]R.G
		-
1734	SRF_HUMAN	.M#LPTQAGAAAALGRG[pS]ALGG[pS]LNR[pT]P[pT]GRPGGGGGTR.G
1735	SRFB1_HUMAN	K.AVTIAN[pS]PSKPSEKDSVVSLESQK.T
1736	SRP72_HUMAN	K.TV[pS]SPPTSPRPGSAATVSASTSNIIPPR.H
1737	SRP72_HUMAN	K.TV[pS][pS]PPTSPRPGSAATVSASTSNIIPPR.H
1738	SRP72_HUMAN	K.TVS[pS]PP[pT]SPRPGSAATVSASTSNIIPPR.H
1739	SRP72_HUMAN	K.TVSSPP[pT][pS]PRPGSAATVSASTSNIIPPR.H
1740	SRP72_HUMAN	K.[pT]V[pS]SPPTSPRPGSAATVSASTSNIIPPR.H
1741	SRPK1_HUMAN	R.GSAPHSESDLPEQEEIILG[pS]DDDEQEDPN DYCK.G
1742	SRRM1_HUMAN	K.AA[pS]P[pS]PQSVR.R
1743	SRRM1_HUMAN	K.EK[pT]PELPEPSVK.V
1744	SRRM1_HUMAN	R.HRP[pS]PPA[pT]PPPK.T
1745	SRRM1_HUMAN	K.KETE[pS]EAEDNLDDLEK.H
1746	SRRM1_HUMAN	K.KE[pT]E[pS]EAEDNLDDLEK.H
1747	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQSP[pS]TNWSPA VPVK.K
1748	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQSPS[pT]NWSPA VPVK.K
1749	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQ[pS]PSTNWSPA VPVKK.A
1750	SRRM1_HUMAN	K.KPPAPP[pS]PVQ[pS]QSPSTNW[pS]PA VPVKK.A

1751	SRRM1_HUMAN	K.AA[pS]PSPQSVR.R
1752	SRRM1_HUMAN	R.RY[pS]P[pS]PPPK.R
1753	SRRM1_HUMAN	K.NPD[pS]KMM#QINL[pT]GFLNGKNAR.E
1754	SRRM1_HUMAN	K.KPPAPPSPVQ[pS]Q[pS]PSTNWSPA VPVK.K
1755	SRRM1_HUMAN	K.KPPAPP[pS]PVQ[pS]QSPSTNWSPA VPVKK.A
1756	SRRM1_HUMAN	R.RY[pS]PPIQR.R
1757	SRRM1_HUMAN	R.RR[pT]P[pS]PPPR.R
1758	SRRM1_HUMAN	R.RR[pT]P[pT]PPPR.R
1759	SRRM1_HUMAN	K.RESP[pS]PAPKPR.K
1760	SRRM1_HUMAN	K.RE[pS]PSPAPKPR.K
1761	SRRM1_HUMAN	K.TRH[pS]PTPQQSNR.T
1762	SRRM1_HUMAN	K.KEK[pT]PELPEPSVK.V
1763	SRRM1_HUMAN	K.KE[pT]ESEAEDNLDDLEK.H
1764	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQSPSTNWSPA VPVK.K
1765	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQSPSTNW[pS]PA VPVK.K
1766	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQSPS[pT]NWSPA VPVKK.A
1767	SRRM1_HUMAN	K.KPPAPP[pS]PVQSQSP[pS]TNWSPA VPVKK.A
1768	SRRM2_HUMAN	K.AII[pS]PR.Q
1769	SRRM2_HUMAN	K.[pS]RLSLR.R
1770	SRRM2_HUMAN	K.SRL[pS]LR.R
1771	SRRM2_HUMAN	K.RVP[pS]PTPAPK.E
1772	SRRM2_HUMAN	R.SRA[pS]PA[pT]HR.R
1773	SRRM2_HUMAN	R.GEFSA[pS]PMLK.S
1774	SRRM2_HUMAN	K.TVAR[pT]PLGQR.S
1775	SRRM2_HUMAN	R.[pS]LSGS[pS]PCPK.Q
1776	SRRM2_HUMAN	R.SL[pS][pY]SPVER.R
1777	SRRM2_HUMAN	K.DGLPR[pT]PSRR.S
1778	SRRM2_HUMAN	R.YSHSGSS[pS]PDTK.V
1779	SRRM2_HUMAN	K.SS[pT]PPRQ[pS]PSR.S
1780	SRRM2_HUMAN	R.QSHSE[pS]PSLQSK.S
1781	SRRM2_HUMAN	R.SCFES[pS]PDPELK.S
1782	SRRM2_HUMAN	R.SSGHSSSEL[pS]PDAVEK.A
1783	SRRM2_HUMAN	K.THTTALAGR[pS]P[pS]PASGR.R
1784	SRRM2_HUMAN	K.[pS]STPPGESYFGVSSLQLK.G
1785	SRRM2_HUMAN	K.SS[pT]PPGESYFGVSSLQLK.G
1786	SRRM2_HUMAN	K.AGM#SSNQSI[pS]SPVLDAVPR.T
1787	SRRM2_HUMAN	K.AQ[pT]PPGPSLSGSK[pS]PCPQEK.S
1788	SRRM2_HUMAN	K.ELSN[pS]PLRENSFGSPLEFR.N
1789	SRRM2_HUMAN	K.ELSN[pS]PLRENSFG[pS]PLEFR.N
1790	SRRM2_HUMAN	K.VKAQ[pT]PPGPSLSGSK[pS]PCPQEK.S
1791	SRRM2_HUMAN	K.AGMSSNQSI[pS]PVLDAVPR[pT]PSRER.S

1792 SRRM2_HUMAN K.AGM#SSNQISIS[pS]PVLDAVPR[pT]PSRER.S
1793 SRRM2_HUMAN R.RGEGDAPFSEPGTTSTQRPS[pS]PETATK.Q
1794 SRRM2_HUMAN R.HGG[pS]PQPLATTPLSQEPVNPPSEASP[pT]R.D
1795 SRRM2_HUMAN K.SATRP[pS]P[pS]PERSSTGPEPPAPTLLAER.H
1796 SRRM2_HUMAN R.HGG[pS]PQPLA[pT]TPLSQEPVNPPSEASP[pT]R
.D
1797 SRRM2_HUMAN R.MGQAPSQSLPPAQDQPR[pS]PVPSAFSDQSR.
C
1798 SRRM2_HUMAN R.M#GQAPSQSLPPAQDQPRSPVP[pS]AFSDQSR.
C
1799 SRRM2_HUMAN R.M#GQAPSQSLPPAQDQPRSPVPSAFSDQ[pS]R.
C
1800 SRRM2_HUMAN R.M#GQAPSQSLPPAQDQPR[pS]PVPSAFSDQSR.
C
1801 SRRM2_HUMAN K.SGM[pS]PEQSRFQSDSSSYPTVDSNSLLGQSR.L
1802 SRRM2_HUMAN R.SPGM#LEPLGSSR[pT]PM[pS]VLQQAGGSM#
DGPGPRIPDHQR.T
1803 SRRM2_HUMAN K.SGM[pS]PEQSR.F
1804 SRRM2_HUMAN R.SCFE[pS][pS]PDPELK.S
1805 SRRM2_HUMAN K.EL[pS]NSPLRENSFGSPLEFR.N
1806 SRRM2_HUMAN R.GEGDAPFSEPGTTSTQRPSSE[pT]ATK.Q
1807 SRRM2_HUMAN K.TR[pT]PLR.Q
1808 SRRM2_HUMAN R.SRT[pS]PVTR.R
1809 SRRM2_HUMAN R.RP[pS]PQPSR.D
1810 SRRM2_HUMAN R.RRP[pS]PQPSR.D
1811 SRRM2_HUMAN R.QSHSSS[pS]PHPK.V
1812 SRRM2_HUMAN K.MALPPQEDATA[pS]PPRQK.D
1813 SRRM2_HUMAN K.M#ALPPQEDATA[pS]PPRQK.D
1814 SRRM2_HUMAN R.QGSITSPQANEQSV[pT]PQRR.S
1815 SRRM2_HUMAN K.VKPE[pT]PPRQ[pS]HSGSISPYPK.V
1816 SRRM2_HUMAN R.GEGDAPFSEPGTTSTQRPS[pS]PETATK.Q
1817 SRRM2_HUMAN R.HGGSPQPLATTPLSQEPVNPPSEA[pS]PTR.D
1818 SRRM2_HUMAN R.HGG[pS]PQPLATTPLSQEPVNPPSEA[pS]P[pT]R
.D
1819 SRRM2_HUMAN R.HGG[pS]PQPLA[pT][pT]PLSQEPVNPPSEASP[pT]
]R.D
1820 SRRM2_HUMAN K.SGMSPEQSRFQSD[pS]SSYPTVDSNSLLGQSR.L
1821 SRRT_HUMAN R.TQLWASEPGTPPLP[pT]SLPSQNPILK.N
1822 SRRT_HUMAN K.LIHTLDDRTQLWASEPG[pT]PPLPTSLPSQNPIL
K.N
1823 SRSF3_HUMAN R.RR[pS]PPPR.R

1824	SRSF6_HUMAN	R.SN[pS]PLPVPPSK.A
1825	SSR1_HUMAN	M.FPNG[pT]A[pS]SPSSSPSP[pS]PG[pS]CGEGGG[pS]RGPGAGAADGMEEPGR.N
1826	SSR2_HUMAN	K.MITM#AVWGV[pS]LLVILPIMIYAGLR.S
1827	STB5L_HUMAN	K.VLDGLTA[pS][pS]PGSGSSSGSNSGGGAGSGSVHPAGTAGVLR.E
1828	STMN1_HUMAN	R.ASGQAFELIL[pS]PR.S
1829	STMN1_HUMAN	R.SKESVPEFPL[pS]PPK.K
1830	STRN_HUMAN	K.FLESAAADF[pS]DEDEDDDDVDGREK.S
1831	STRP1_HUMAN	R.AA[pS]PPASASDLIEQQQK.R
1832	STX5_HUMAN	K.[pT]QVL[pS]PA[pT]AG[pS][pS][pS][pS]DIAPLPPVTLVPPPPD[pT]M#[pS]CRDR.T
1833	SUCO_HUMAN	R.NNYASVECGAKILANPEAKS[pT][pS]AILIENM#DLYM#LNPCSTK.I
1834	SURF2_HUMAN	K.DLGSTEDGDG[pT]DDFLTDKEDEK.A
1835	SYAP1_HUMAN	K.TQEDEEEIST[pS]PGVSEFVSDAFDACNLNQEDLRK.E
1836	SYEP_HUMAN	K.EYIPGQPPLSQSSDS[pS]PTR.N
1837	SYEP_HUMAN	K.EYIPGQPPLSQ[pS][pS]DSSPTR.N
1838	SYEP_HUMAN	K.EYIPGQPPLSQS[pS]DSSPTRNSEPAGLETPEAK.V
1839	SYEP_HUMAN	K.EYIPGQPPL[pS]Q[pS]SDSSPTRNSEPAGLETPEAK.V
1840	SYEP_HUMAN	K.EYIPGQPPLSQSSDSSP[pT]RN[pS]EPAGLETPEAK.V
1841	SYEP_HUMAN	K.EYIPGQPPLSQS[pS]DS[pS]PTR.N
1842	SYEP_HUMAN	K.EYIPGQPPLSQ[pS]SDSSPTRNSEPAGLETPEAK.V
1843	SYEP_HUMAN	K.EYIPGQPPL[pS]QSSDSSPTRNSEPAGLETPEAK.V
1844	SYEP_HUMAN	K.EYIPGQPPLSQSSDSSP[pT]RNSEPAGLETPEAK.V
1845	SYEP_HUMAN	K.EYIPGQPPLSQS[pS]D[pS]SPTRNSEPAGLETPEAK.V
1846	SYEP_HUMAN	K.EYIPGQPPLSQ[pS][pS]DSSPTRNSEPAGLETPEAK.V
1847	SYEP_HUMAN	K.EYIPGQPPLSQSSDS[pS]PTRNSEPAGLETPEAK.V
1848	SYN1_HUMAN	R.RRLSD[pS]NFM#ANLPNGYM#[pT]DLQRPQPPP PPPGAHSFGATPGPGTATAER.S
1849	SYNPO_HUMAN	R.AA[pS]PAKPSLDDLVPNLPK.G

1850 SYNPO_HUMAN R.DRA[pS]PAAAEEVVPEWASCLK.S
1851 SYNPO_HUMAN K.VY[pS]EVHF[pT]LAKPP[pS]VVNR[pT]ARPFGI
QAPGGTSQM#ER.S
1852 T2FB_HUMAN R.HYQGEEK[pS]D.-
1853 TB182_HUMAN R.ASRVP[pS][pS]DEEVVEEPQSR.R
1854 TB182_HUMAN R.TEAQDLCRA[pS]PEPPGPSSSR.W
1855 TB182_HUMAN R.LDSPPP[pS]PITEASEAAEAAEAGNLAVSSR.E
1856 TB182_HUMAN R.SFGTRPLS[pS]GFSPEEAQQQDEEFEK.K
1857 TB182_HUMAN R.SFGTRPL[pS]SGFSPEEAQQQDEEFEK.K
1858 TBA1C_HUMAN K.TIGGGDD[pS]FNTEFFSETGAGK.H
1859 TBC15_HUMAN R.ND[pS]PTQIPVSSDVCR.L
1860 TBC9B_HUMAN R.KASVVDPSTESSPAPQEGSEQPASPA[pS]PLSSR
.Q
1861 TBC9B_HUMAN R.KASVVDPSTESSPAPQEGSEQPASPL[pS]SR
.Q
1862 TCAB1_HUMAN R.EGDPVSLSTPLETEFG[pS]P[pS]ELSPR.I
1863 TCAB1_HUMAN R.VFPEPTE[pS]GDEGEELGLPLLSTR.H
1864 TCAB1_HUMAN R.EGDPVSLSTPLETEFGSPSEL[pS]PR.I
1865 TCAB1_HUMAN R.EGDPVSLSTPLETEFGSP[pS]EL[pS]PR.I
1866 TCOF_HUMAN K.TGGKEAASG[pT]TPQK.S
1867 TCOF_HUMAN K.SLGNILQAKPT[pS]SPAKGPPQK.A
1868 TCOF_HUMAN R.TQPSSGVDSAVGTLPATSPQ[pS]TSVQAK.G
1869 TCOF_HUMAN R.TQPSSGVDSAVGTLPAT[pS]PQSTSVQAK.G
1870 TDIF2_HUMAN K.SLTDPSQESHTEAI[pS]DAETSSSDISFSGIATR.
R
1871 TDIF2_HUMAN R.QILAC[pS]PVSSVR.K
1872 TENS3_HUMAN R.WD[pS]YENLSADGEVLHTQGPVDGSLYAK.V
1873 TF3C3_HUMAN K.GKL[pS]AEENPDDSEVPSSSGINSTK.S
1874 TF3C4_HUMAN K.ILLVD[pS]PGMGNADDEQQEETSSK.Q
1875 TFAP4_HUMAN R.FIQELSGS[pS]PK.R
1876 TFPT_HUMAN R.RTPAPPEPG[pS]PAPGEGPSGR.K
1877 TGF11_HUMAN R.VQNHLPASGPTQPPVVSSTNEGSP[pS]PPEPTG
K.G
1878 TGO1_HUMAN R.DLLPSGSRDEPPPASQSTSQDCSQALKQ[pS]P.-
1879 THEGL_HUMAN R.[pS]ELPIRPVPPAAMIAPSPR[pT]IALAK[pS]K.
S
1880 THEM4_HUMAN K.RMVCLFQGGPYLEGPPGFIHGGAIAATMIDA[pT]
VGM#CAM#M#AGGIVM#[pT]ANLNINYK.R
1881 TIF1B_HUMAN M.AA[pS]AAAASAAAA[pS]AASGSPGPGEGSAG
GEKR.S
1882 TIF1B_HUMAN R.STAPSAAASASASAAAS[pS]PAGGGAEALELL

		EHCGVCR.E
1883	TIF1B_HUMAN	R.STAPSAASASASAAA[pS]SPAGGGAEALELL EHCGVCR.E
1884	TIF1B_HUMAN	R.LASPSGSTS[pS]GLEVVAVEGTSAPGGGPGTLD DSATICR.V
1885	TIF1B_HUMAN	K.VFPGST[pT]JED[pY]NLIVIERGAAAAATGQPGT APAG[pT]PGAPPLAGM#AIVK.E
1886	TJAP1_HUMAN	R.KD[pS]LTQAQEQGNLLN.-
1887	TLS1_HUMAN	R.VGDTEKPEPER[pS]PPNR.K
1888	TLS1_HUMAN	R.VGD[pT]EKPEPERSPPNR.K
1889	TM1L1_HUMAN	K.EATNTTSEPSAPSQDLLDLSP[pS]PR.M
1890	TM87A_HUMAN	K.WVEENVPSSVTDVALPALLD[pS]DEER.M
1891	TM87A_HUMAN	K.AQEDDLKWVEENVPSSVTDVALPALLD[pS]DE ER.M
1892	TMX1_HUMAN	K.KVEEEQEADEEDV[pS]EEEEAESK.E
1893	TMX1_HUMAN	K.KVEEEQEADEEDV[pS]EEEEESKEGTNK.D
1894	TMX1_HUMAN	K.LLSESAQPLKKVEEEQEADEEDV[pS]EEEEAESK .E
1895	TMX1_HUMAN	K.VEEEQEADEEDV[pS]EEEEAESK.E
1896	TNFB_HUMAN	K.MHLAH[pS]TLKPA AHLIGDPSKQN[pS]LLWRA N[pT]DR.A
1897	TOM1_HUMAN	K.AADRLPNL[pS]SPSAEGPPGPPSGPAPR.K
1898	TOP2A_HUMAN	K.SVVDLEADDVKGSVPL[pS]SSPPATHFPDETE ITNPVPK.K
1899	TOP2A_HUMAN	K.IKNENTEG[pS]PQEDGVELEGLK.Q
1900	TOP2B_HUMAN	K.K[pT]SFDQDSVDIFPSDFPTEPPSLPR.T
1901	TOP2B_HUMAN	K.KTSFDQD[pS]DVDIFPSDFPTEPPSLPR.T
1902	TOP2B_HUMAN	K.YTFDF[pS]EEEDDDADDDDDNNDLEELKVK. A
1903	TP53B_HUMAN	R.STPFIVPS[pS]PTEQEGR.Q
1904	TP53B_HUMAN	K.TSEIEPKN[pS]PEDLGLSLTGDSCK.L
1905	TP53B_HUMAN	R.ETA VPGPLGIEDISP NL[pS]PDDKSFSR.V
1906	TP53B_HUMAN	K.MVIQGGS[pS]PQGEAMVTDVLEDQKEGR.S
1907	TP53B_HUMAN	R.SD[pS]PEIPFQAAAGPSDGLDASSPGNSFVGLR. V
1908	TP53B_HUMAN	K.GREETVAEDVCIDLTCDSGSQAVP[pS]PATR.S
1909	TP53B_HUMAN	R.RSD[pS]PEIPFQAAAGPSDGLDASSPGNSFVGL R.V
1910	TP53B_HUMAN	R.GGPGKL[pS]PR.K
1911	TP53B_HUMAN	R.IDEDGENTQIEDTEPM[pS]PVLNSK.F
1912	TP53B_HUMAN	K.MVIQGP[pS]SPQGEAMVTDVLEDQKEGR.S

1913 TP53B_HUMAN K.MVIQGGS[pS]PQGEAM#VTDVLEDQKEGR.S
1914 TP53B_HUMAN K.MVIQGP[pS]SPQGEAM#VTDVLEDQKEGR.S
1915 TP53B_HUMAN R.ETAVPGPLGIEDI[pS]PNL[pS]PDDKSFSR.V
1916 TPC10_HUMAN K.V[pT]SISLPVAPAYHVIEFELEVL[pS]LP[pS]AP
ALGGE[pS]DM#LGMAEPHR.K
1917 TPR_HUMAN R.TDGFAEAIH[pS]PQVAGVPR.F
1918 TPR_HUMAN R.AADSQNSGEGNTGAAES[pS]FSQEVVSREQQPS
SASERQAPR.A
1919 TPX2_HUMAN K.SSDQPLTVPV[pS]PK.F
1920 TRA2A_HUMAN R.R[pS]P[pS]PYYSR.Y
1921 TRAD1_HUMAN R.ALPSLN[pT]GSSSPR.G
1922 TRAD1_HUMAN R.LDSQPQET[pS]PELPR.R
1923 TRAD1_HUMAN R.ALPSLNTGSS[pS]PR.G
1924 TRAT1_HUMAN K.M#QEA[pT]P[pS]AQATNETQM#CYASLDH[pS]
VKGK.R
1925 TRI35_HUMAN K.KM#LASVESVPFSFDPN[pT]AAGWL[pS]V[pS]
DDL[pT][pS]VTNHG[pY]RVQVENPER.F
1926 TVA19_HUMAN -.ML[pT]A[pS]LLRAVIASICVVS[pS]M#AQK.V
1927 TXLNA_HUMAN R.RPEGPGAQAPS[pS]PR.V
1928 TXLNA_HUMAN K.S[pS]PGQPEAGPEGAQERPSQAAPAVEAEGPG
SSQAPR.K
1929 TXLNA_HUMAN K.QSNPKSSPGQPEAGPEGAQERP[pS]QAAPAVE
AEGPGSSQAPR.K
1930 U17L7_HUMAN K.NHHPEQQ[pS][pS]LLNL[pS]STKPTDQESM#NT
GTLASLQGSTRR.S
1931 UBAP2_HUMAN K.GGYAG[pS]SQAPNKSAGSGPGKGVSVSSSTTG
LPDM#TGSVYNK.T
1932 UBAP2_HUMAN K.GGYAGSSQAPNKSAGSGPGKGV[pS]V[pS][pS]
[pS]TTGLPDM#TGSV[pY]NK.T
1933 UBAP2_HUMAN K.GGYAGSSQAPNKSAGSGPGKGVSVSSSTTGLP
DM#TG[pS]VYNK.T
1934 UBE2O_HUMAN K.TKSEAESASPEETPDG[pS]ASPVEMQDEGAEEP
HEAGEQLPPFLK.E
1935 UBE4B_HUMAN R.SQSSEGVSSLSS[pS]PSNSLETQSQSLSR.S
1936 UBN1_HUMAN K.MPV[pS]QKL[pT]LVAPPGGPNGD[pS][pS]GGT
QGVAKLLTSPSLKPSAVSSVTSSTSL[pS]K.G
1937 UBN2_HUMAN K.LTNSS[pS][pT]G[pT]VGKN[pS]L[pS]GIAM#NVP
A[pS]RG[pS]NLN[pS]SGANR.T
1938 UBP10_HUMAN R.[pT]CNSPQNSTDSDIVPDSFPFGALGSDTR.T
1939 UBP24_HUMAN R.ATKM#LTA[pT]AM#PTVATSVQSP[pY]RSTK.L
1940 UBP24_HUMAN R.ATKM#L[pT]A[pT]AM#PTVATSVQSPYRSTK.L

1941	UBP2L_HUMAN	K.SPAVATSTAAPPPP[pS]SPLPSK.S
1942	UBP2L_HUMAN	K.SPAVATSTAAPPPPSSPLP[pS]K.S
1943	UBP2L_HUMAN	K.STSAPQMSPG[pS]SDNQSSSPQPAQQK.L
1944	UBP2L_HUMAN	K.SPAVATSTAAPPPPS[pS]PLPSK.S
1945	UBP2L_HUMAN	K.STSAPQM[pS]PGSSDNQSSSPQPAQQK.L
1946	UBP8_HUMAN	R.SY[pS]SPDITQAIQEEER.K
1947	UBXN1_HUMAN	K.YGGSVGSQPPPV APEPGPVPS[pS]PSQEPPTKR. E
1948	UBXN1_HUMAN	K.YGGSVGSQPPPV APEPGVPSSPSQEPPTKR. E
1949	UBXN1_HUMAN	K.YGGSVGSQPPPV APEPGVPSSP[pS]QEPPTKR. E
1950	UIMC1_HUMAN	K.SSETGAFRVP[pS]PGMEEAGCSR.E
1951	ULA1_HUMAN	R.YPGV[pS]NYQVEEDIGK.L
1952	UN93B_HUMAN	R.YLEEDN[pS]DE[pS]DAEGEHGDGAE E E E APPAG PRGPEPAGLGR.R
1953	UNG_HUMAN	K.KAPAGQEEPG[pT]PPSSPLSAEQ LDR.I
1954	UNG_HUMAN	R.HAPSPEPAVQG[pT]GVAGVPEESGDAAAIPAK. K
1955	UNG_HUMAN	R.HAP[pS]PEPAVQGTGVAGVPEESGDAAAIPAK. K
1956	USO1_HUMAN	K.DLGHPVEE E DELE[pS]GDQEDEDESEDPGKD LDHI.-
1957	UTP18_HUMAN	R.VQEHED[pS]GD[pS]EVENEAK.G
1958	UTP18_HUMAN	R.KT[pS]SDDE[pS]EEDEDDLQR.T
1959	UTP18_HUMAN	R.KTS[pS]DDE[pS]EEDEDDLQR.T
1960	V9GYF0_HUMAN	R.LQDSSDPDTGSEEEGSSRL[pS]PPH[pS]PR.G
1961	V9GYK3_HUMAN	-.AGDLSKVP[pT]M#AL[pT]VGVG[pT]VM#DAR.E
1962	V9GYT7_HUMAN	R.IQVEQTRDEDLDTD[pS]LD.- -
1963	VAMP1_HUMAN	.M#SAPAQPPAEGTEGTAPGGGPPGPPPNMT[pS] NRR.L
1964	VAMP4_HUMAN	R.NLLEDD[pS]DEEEDFFLR.G
1965	VDAC1_HUMAN	K.LTFDSSF[pS]PNTGKK.N
1966	VDAC1_HUMAN	K.LTFDSSF[pS]PNTGK.K
1967	VIME_HUMAN	R.SLYAS[pS]PGGVYATR.S
1968	VIME_HUMAN	R.DGQVINET[pS]QHHDDE.-
1969	VINC_HUMAN	K.GWLRDPSA[pS]PGDAGEQAIR.Q
1970	VIR_HUMAN	R.SFLSEP[pS]SPGRTK.T
1971	VIR_HUMAN	R.VISHDRD[pS]PPPPPPPPPPQPPSLK.R
1972	VPS4B_HUMAN	K.EGQPSPADEKGN D[pS]DGEGESDDPEKK.K

1973	VPS54_HUMAN	K.L[pS]H[pY]LDIVEVNIAHQI[pS]LRSEAFFHAM# T[pS]QHELQDYLR.K
1974	WAPL_HUMAN	K.VEEESTGDPFGFD[pS]DDESLPVSSK.N
1975	WBP11_HUMAN	R.MAGQEIPEEGREVEEF[pS]EDDDEDD[pS]DD[pS]EAEKQSQK.Q
1976	WBP11_HUMAN	R.M#AGQEIPEEGREVEEF[pS]EDDDEDD[pS]DD[pS]EAEKQSQK.Q
1977	WBP11_HUMAN	K.KLRE[pT]FER.I
1978	WDFY3_HUMAN	K.NSTAALYIDGQLVN[pT]VKLHYVH[pS][pT]PG G[pS]GSANPPVVSTVYAYIGTPPAQR.Q
1979	WDR3_HUMAN	K.IKGSSPGIQD[pT]LEAEDGAFETDEAPEDR.I
1980	X6R5Z6_HUMAN	R.KGQK[pS]PR.F
1981	X6RLN4_HUMAN	K.DGLNQTTPV[pS]PPSTTKPSR.E
1982	XPP2_HUMAN	R.GEEQF[pS][pS]GP[pS]FETISASGLNAALAHYSP [pT]KELNR.K
1983	YI001_HUMAN	R.AGSSSPSSALRLCCAGPSQAHPGP[pS]PAVLPG R.C
1984	YJ006_HUMAN	K.LSSTLITEM#S[pS]GRLEEL.-
1985	YRDC_HUMAN	R.LFRPP[pS]PAPAAPGAR.L
1986	YTHD2_HUMAN	R.GSGFGHNGVDGNGVVGQSQAGSGSTP[pS]EPHP VLEKLR.S
1987	ZBT7A_HUMAN	R.VRGGAPDPSPGATATPGAPAQPS[pS]PDAR.R
1988	ZHX1_HUMAN	R.N[pS]KSNQCLHLNNDSSSTTIIDSSDE[pT][pT]E[pS]P[pT]VG[pT]AQPKQ[pS]WNPFPDF[pT]PQK.F
1989	ZMAT4_HUMAN	K.[pT]PLKTTATPLSPLKPPRMDTAPVVA[pS]P[pY]]QR.R
1990	ZMYM4_HUMAN	R.V[pT]QHESDNENEIQIQNK.L
1991	ZN281_HUMAN	K.IGSGFLSGGGTG[pS]SGGSGSGGGGSGGGGG GGSSGRRAEM#EPTFPQGM#VM#FNHR.L
1992	ZN638_HUMAN	K.AAE[pS]MVKFYTCFPVLMMDGNQLSISMAPEN MNIK.D
1993	ZNT1_HUMAN	K.STRPGS[pS]DINVAPGEQGPDQEETNTLVANTS NSNGLKLDPADPENPR.S
1994	ZRAB2_HUMAN	R.ENVEYIEREE[pS]DGEYDEFGR.K
1995	ZRAB2_HUMAN	R.ENVEYIEREE[pS]DGEYDEFGRK.K
1996	ZRAB2_HUMAN	R.TGYGGGFNERENVEYIEREE[pS]DGEYDEFGR. K

[pS]/[pT]/[pY]: phosphorylation of S/T/Y, M#: oxidation of methionine.