

Supplementary Table 11: The top 10 methylation stoichiometry hypermethylated single nucleotide m6A site between NPRA^{-/-} vs NPRA^{+/+}.

Trans ID	Fold change	Pvalue	Gene Symbol	m6A motif Sequence	Transcript Sequence
NM_008415	1.976358609	0.043929247	Jrk	GGACA	1..1801 cagcaGGGTTGAAGAGCGGGTTGTGGCAGGGAGGGACATAGATGAGGCCCTG CCATTGTGGCACcatcc 1872..5529
NM_001040 072	1.905117392	0.036360233	Nynrin	GGACA	1..3531 gaagaCAGCGAGGGTCCTCAGTCAGGGGGGGACAGCCCCTATGCTGTGGCTTGG GCCCTCAAGCAttttg 3602..7413
NM_001159 492	1.814244634	0.020877608	Gpatch8	GAACA	1..1248 acctaATTTCCCCTTCTTACTCTTTATGAGAGCCAGTGAACAGATGGAAGGGGAT CATAGTGCACactca 1319..6829
NM_001081 212	1.7908534	0.013139404	Irs2	GGACA	1..6156 aacctGCGCTGCATTTGCTGTGTAGCTGAATCCCCAGGGACAGTAGGACTGATC TGCTGACTACagcac 6227..6794
NM_001310 430	1.715442216	0.044810846	Gpr161	GAACA	1..1848 agctaCCGGGACTGGTGCCTGTGCCAAGACCCTGGAACATGTCACCACTCAGAG AGGGCCAGACgccggg 1919..6862
NM_001324 488	1.667108006	0.049073758	Gpatch21	AGACA	1..103 gagctAGTGCATGACCTGGCCTCAGCCTTGGAGCAGACATCGGAGCAGAGCAAG CTTGGTGAGCTgtggg 174..4261
NM_001081 006	1.659126424	0.025367318	Etl4	GGACA	1..4580 agaaaCCAGTTATTATCATTTTTGATGAACCCATGGACATCCGATCTGCATATAA AAGACTCTCAaccat 4651..7413
NM_080855	1.651935987	0.043909566	Zcche14	GAACA	1..3910 tccagCAGTAATGCAGACCTGTGATTCATGAACAAAAGACTGGAAACTGTGGC TTCTTTTGTATtaggc 3981..6476

NM_001145 162	1.649313099	0.035884858	Ube2q11	GGACA	1..2154 cagggGATGCTGCGGCCACCAGGGGGGGTTCA <u>GG</u> ACATGAGGTGCCCTCCCTG GGTGCTCAGATcagca 2225..2682
NM_001358 803	1.61956154	0.01379973	Sppl2b	GGACA	1..2678 tggtcCTCCTAGAGCTCTGGGGATGGGGGCAGGG <u>G</u> ACATCCCCTAGGCACCTG TCTAACCAGAAtggat 2749..2927