

Supplementary Table 6: The top 10 m6A site abundance hypermethylated single nucleotide m6A site between NPRA^{-/-} vs NPRA^{+/+}.

Trans ID	Fold change	P value	Gene Symbol	m6A motif Sequence	Transcript Sequence
NM_027560	4.977784012	0.000299406	Arrdc2	GGACA	1..1758 gaactGTAGTTTGGGAGAGATGAATCTAGGAATGGACACTTCCAGTCTC AAGGAACCAGAACCAGctaga 1829..2346
NM_013743	3.274455439	0.000482819	Pdk4	GGACA	1..1482 gagtaCAAACCTTGACCTGATGAGGGACAGAGCTTGGTTGGATGACCC GGGAGAAGTCAGGGCAGggctc 1553..3453
NM_008720	2.84411589	0.005139401	Npc1	AGACA	1..4002 gactgTGTTTATGGATAGGTCAAGTTTACTGCAAGACAGCTGCGCTGTC AAGACTGAGCTGGCTTcagc 4073..5209
NM_008288	2.781177699	0.00471214	Hsd11b1	GGACA	1..957 ttttCATTACGATATTATAATAAAGGACATGTTTTGTAAGTAACTAGGAAC TCCTGAGCCCTGGTGagtgg 1028..1373
NM_019773	2.607516031	0.007443007	Rab9	GGACA	1..507 gtgtgGAATTTTTAAATAAAGATCTGGAGGTGGACGGACATTTTGTAC CATGCAGATTTGGGACacagc 578..1448
NM_011584	2.57009831	0.002815113	Nr1d2	GAACA	1..1048 gcccaCAAGGATACCTTTCTGTATAATCAGGAACATCGAGAAAACCTCA TCTGAGAGCATGCCACCTcaga 1119..4640
NM_001356285	2.528497209	0.012280269	Gpam	GGACA	1..3235 aagtaCAACTTTTCAGGCTAGTTACTGTGATGGACATTGAGGTGTTTGT AGAAGTACTCTTATAtagta 3306..6246
NM_138686	2.517350768	0.006808464	Cys1	TGACA	1..1590 tgtcaCCTGCAAATGATTCCATGAACTCGTGACTTGACAAGAGTACCTT TGAGTACTTGGCTGAGagact 1661..1838

NM_001146275	2.501555126	0.012757477	ligp1	TGACA	1..1448 agtttTCTTAAAGAAATATTTTACCTGAAATATTATTTTCCTTGACATGGT GACTGAGGATGCTAAaactc 1519..3123
NM_027560	2.472702826	0.025525207	Arrdc2	AGACA	1..1806 caaggAACCAGAACCAGCTAGAAGTCCAGAGGGGAGACAGAAGACTT CCAAAGGGCATTTCGGCTgaggc 1877..2346