

Supplementary Table 12: The top 10 methylation stoichiometry hypomethylated single nucleotide m6A site between NPRA^{-/-} vs NPRA^{+/+}.

Trans ID	Fold change	P value	Gene Symbol	m6A_motif_Sequence	transcript_Sequence
NM_026235	0.666473758	0.047656779	Larp6	GGACA	1..1803 catgtGTTAGTGTGGTGGCTCTGAAGGGCTGTGGGACAGAGGATCTCTGGAA AGATCTAGTAGTGtcgga 1874..2308
NM_011263	0.664513767	0.003321852	Rest	AAACA	1..1833 aaacaATCCAGAAAAGCCCTGTAAAGCCAAGAAAACAAAAGAAAGAAGG ATGCTGAGGCCATCccctcc 1904..4266
NM_029934	0.664310511	0.003352324	Mboat7	AGACA	1..1367 ggctgCTGAGGGCTATTTGGAGTCAGCCTTGCGGAGACCTGAGCCCCGGG GGCCAGAAAGCCTgggac 1438..2341
NM_001355 742	0.663995368	0.008674844	Foxn2	AAACA	1..1563 actctGAAAGGGCAGCCAGGCAAAAAGATCCCAAAACAGTCCTGTCAAGAG ATTGATGAGGAGCTcaaag 1634..5341
NM_009086	0.663187093	0.025405808	Polr1b	GGACA	1..2789 aggacATGCCTTTCCTGAGAGTGGCATGATGCCGGACATTCTGTTTAATCC TCACGGGTTTCCCtcccg 2860..3998
NM_001080 819	0.661354466	0.03195893	Arid1a	GGACA	1..6737 ctcagAGTTCCTCTGTATGAGTCACGGCTGTTGGACATCTCCGTGTCACCAC TGATGAACTCATtggtt 6808..8175
NM_138679	0.657698501	0.007223761	Ash11	GGACA	1..8595 gtctgAACGCTCAAAGCCACCCCTAAAAGACCTAGGACAAGAAGATGATGCT TTGCCCTTGATTGaagag 8666..11270
NR_028056	0.657272239	0.023427046	Rit1	GAACA	1..740 tactgGCCATGGAGAAGAAGGCCAAACCCAAAGAACAGCGTATGGAAGAGGC TGAAGTCACCGTTCaggag 811..2538

NM_001358 674	0.656999492	0.046739066	Zfp740	GGACA	1..1624 ctctgTAACCAGTCTGAGGCTATGAGTATCCCAGG <u>G</u> ACCTGCAGCATTCTT GGCAAGGGAGCtggtc 1695..4382
NM_001252 580	0.656513545	0.033955817	Usp8	AAACA	1..1628 ctcgtATTCATCAAGAACTGCCCTTCTTATGGAAAAGAATAA <u>A</u> CAGGAGAA GGAAC TTGGGACaagca 1699..4210