

Supplemental Table 2: Location of potential off-target sites for crRNA TMF1342 on mouse chromosome 17

| Genomic DNA (11 base seed) | Position | Strand | Mis-matches | Nearest gene | Off-target code | NSS vs WT p value |
|----------------------------|------------|--------|-------------|--|-----------------|-------------------|
| acAGCcCTGGGGGAGAgGCA AGG | 10,545,906 | + | 4 | <i>Pacrq</i> , non-conserved region within intron 4 (175kb intron) | a | 0.264 |
| GAAGCAgTGtGGGAcACTCA GGG | 58,666,935 | - | 4 | Intergenic between <i>Cntnap5c</i> and <i>A330072L02Rik</i> | b | 0.46 |
| GAAGaACTcaGGGAGcCGCA CGG | 22,867,101 | - | 4 | <i>Zfp945</i> , Exon 1 | c | 0.743 |
| GAAGaACTGGGatAGAaGCA GGG | 66,097,472 | - | 4 | <i>Ndufv2</i> , Intron 2 (9kb intron) | d | 0.663 |
| GAAGtgCTGGGGGAGAAcCA GGG | 32,356,988 | - | 4 | <i>Wiz</i> , Exon 7 | e | 0.635 |
| tAAGCACTGGcaGAGAAgCA GGG | 66,865,733 | + | 4 | <i>Ptprm</i> , intron 15 (73kb intron) | f | 0.509 |
| GAAGCACTtGGGGAGtCaCA AGG | 45,861,722 | - | 3 | Intergenic between <i>Mrpl14</i> and <i>Veafa</i> | g | 0.376, 0.816 |
| GAAGCAgTGtGGaAGAtGCA GGG | 67,693,239 | - | 4 | Intergenic between <i>Lrrc30</i> and <i>Lama1</i> | h | 0.37 |
| GcAGCACgGGGGGAGACTCc GGG | 47,764,151 | - | 4 | <i>Tfeb</i> , intron 1 (45kb intron) | i | 0.694 |
| ccAGCACTGGGGcAGACaCA GGG | 71,776,150 | - | 4 | <i>Clip4</i> , intron 1 (20kb intron) | j | 0.712 |
| GAAaCACTtGGGGgGAgGCA GGG | 86,300,554 | + | 4 | <i>Prkce</i> , intron 1 (180kb intron) | k | 0.486 |
| GAAGCACTGGGGGAGACGCA AGG | 48,348,538 | + | 0 | <i>Trem2</i> , Exon 2 | | |