**Supplementary File 6. Primers used to knock-out *Tbpl1*,confirm *Tbpl1* knock-out and to test *Gapdh* mRNA levels via qRT-PCR.**

|  |  |  |
| --- | --- | --- |
| **Gene Name** | **Sequence (5’ -> 3’)** | **Purpose** |
| *Tbpl1* | CACCGATCACTGTCTGCATCCATTG | gRNA *Tbpl1* knock out forward #1 |
| *Tbpl1* | AAACCAATGGATGCAGACAGTGATC | gRNA *Tbpl1* knock out reverse #1 |
| *Tbpl1* | CACCGCAGGTCTCAAACGGTGCTC | gRNA *Tbpl1* knock out forward #2 |
| *Tbpl1* | AAACGAGCACCGTTTGAGACCTGC | gRNA *Tbpl1* knock out reverse #2 |
| *Tbpl1* | AGATTGCTTTGGAGGGAGCA | qRT-PCR screen *Tbpl1* knock out |
| *Tbpl1* | CCTGAGGACCAAATTGTAGCTG | qRT-PCR screen *Tbpl1* knock out |
| *Gapdh* Intron | TTCTGATCTCAGCTCCCCTG | quantify *Gapdh* levels or used to normalize |
| *Gapdh* Intron | GGCAACAATCTCCACTTTGC | quantify *Gapdh* levels or used to normalize |
| *Gapdh* Exon | CGGGTTCCTATAAATACGGACTG | quantify *Gapdh* levels |
| *Gapdh* Exon | CCAATACGGCCAAATCCGTTC | quantify *Gapdh* levels |
| *Rps6* | CGATATCCTCGGTGACGAGT | used to normalize S2 cells |
| *Rps6* | CCCTTCTTCAAGACGACCAG | used to normalize S2 cells |