

Supplementary Table 1 List of sgRNAs and target site primers used in the study

| Target gene | Guide | Sequence |
|-------------------|---------------------|-----------------------------------|
| Human <i>DAZL</i> | dazl.sgRNA.1-F | CACCGCCCATGTAAGTACTAGATAAGCC |
| | dazl.sgRNA.1-R | AAACGGCTTATCTAGTTACATGGGC |
| | dazl.sgRNA.2-F | CACCGTTTTGAATATTAAGCTAAA |
| | dazl.sgRNA.2-R | AAACTTTAGCTTAATATTCAAAAAC |
| | dazl.sgRNA.3-F | CACCGCATCACTTTAGAAGAAGTC |
| | dazl.sgRNA.3-R | AAACGACTTCTTCTAAAGTGATGC |
| | dazl.sgRNA.1-AGG-F | CACCGCCCATGTAAGTACTAGATAAGCCAGG |
| | dazl.sgRNA.1-AGG-R | AAACCCTGGCTTATCTAGTTACATGGGC |
| | dazl.sgRNA.2-AGG-F | CACCGTTTTGAATATTAAGCTAAAAGG |
| | dazl.sgRNA.2-AGG-R | AAACCCTTTTAGCTTAATATTCAAAAAC |
| | dazl.sgRNA.3-AGG-F | CACCGCATCACTTTAGAAGAAGTCGGG |
| | dazl.sgRNA.3-AGG-R | AAACCCCGACTTCTTCTAAAGTGATGC |
| Mouse <i>PLZF</i> | plzf.sgRNA.1-F | CACCGCCTGTGTTATGTGTGAAGGG |
| | plzf.sgRNA.1-R | AAACCCCTTCACACATAACACAGGC |
| | plzf.sgRNA.2-F | CACCGCCCAACACATGGTAGAGCAG |
| | plzf.sgRNA.2-R | AAACCTGCTCTACCATGTGTTGGGC |
| | plzf.sgRNA.3-F | CACCGCCCCCTTCACACATAACAC |
| | plzf.sgRNA.3-R | AAACGTGTTATGTGTGAAGGGGGGC |
| | plzf.sgRNA-NGG-F | AACGGATCCTCCATGCAGAAACACATGA |
| | plzf.sgRNA-NGG-R | ATCAAGCTTCCACTTTGTCTGGTTCTAG |
| Mouse <i>ACR</i> | acrosin.sgRNA.1-F | CACCGCATCTCTCTTTTCTCAGGAA |
| | acrosin.sgRNA.1-R | AAACTTCCTGAGAAAAGAGAGATGC |
| | acrosin.sgRNA.2-F | CACCGCTTTTCTCAGGAATGGAGGA |
| | acrosin.sgRNA.2-R | AAACTCCTCCATTCCTGAGAAAAGC |
| | acrosin.sgRNA.3-F | CACCGCTCTCTTTTCTCAGGAATGG |
| | acrosin.sgRNA.3-R | AAACCCATTCTGAGAAAAGAGAGC |
| | acrosin.sgRNA-NGG-F | AACGGATCCAGTACAGTGGACCAAGGAAC TAC |
| | acrosin.sgRNA-NGG-R | ATCAAGCTTGATGGAGGAAGATTTGGGTTGAG |