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| --- | --- |
| **Gene** | **gRNA sequence (5’->3’)** |
| *Obp8a* | 1: GGTGAGGATCGCATGGGCAC  2: GCTGGACAGGATGCAGTTCG  3: ACATGTCCGATGTCATCAAT |
| *Obp22a* | 1: AATTGTAAGCGAGTGTGCCA  2: GAACAATGTTCATAGGAAGA  3: AAAGTGAGGGGGATAGATAG |
| *Obp51a* | 1: TGACAGCTAACAACAGAACC  2: GAACGAATGTGCTAAAAAAC  3: TAAATTCTCGTTTCAAGCAC |
| *Obp56e* | 1: TGAGGCTAAGCAGAGAGCCA  2: CAAGCTATTGCCCTGCGGTC  3: GCCAAGTGTGACTCGACCAA |
| *Obp56f* | 1: AGCCTGCTTGAAACGGCAGC  2: CACTGCTTACTGGAAGTGAA  3: ATGTTTAGAAGTCTAATGCT |
| *Obp56g* | 1: GCAAGCCAACATAGACAGTT  2: CGGTGTCACTCCCCAGGATC  3: CGGATCGTTAAGACCCTAAT |
| *Obp56i* | 1: GGTACAAGCAGGTCCCATTA  2: CGTCATGAGACCGACGACCC  3: CGAAGAACTCGAAATCACAG |
| *ebony* (gRNA sequence from Kane et al., 2017) | GCCACAATTGTCGATCGTCA |

**Table S1 (Supplementary file 1):** gRNA sequences from flyCRISPR’s Optimal Target Finder tool for each *Obp* gene.