**Supplemental Table 1**. sgRNAs used in this study

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **sgRNA name** | **Target gene** | **Target gene Fbid** | **Protospacer sequence** | **Reference** | **Plasmid internal name** |
| pCFD3-ovo[D1]-1 | *ovo[D1]* | FBgn0003028 (D1 mutation) | CTGCGGGCATCTCTTTTTCC | This study | BEC671 |
| pCFD3-ovo[D1]-2 | *ovo[D1]* | FBgn0003028 (D1 mutation) | AAAAAGAGATGCCCGCAGAG | This study | BEC673 |
| pCFD3-ovo[D1]-3 | *ovo[D1]* | FBgn0003028 (D1 mutation) | AAAAGAGATGCCCGCAGAGC | This study | BEC675 |
| pCFD3-ebony-1 | *ebony* | FBgn0000527 | TGGCCATCTGGAAGGCTGG | 1 | *pFP545* |
| pCFD3-ebony-2 | *ebony* | FBgn0000527 | ATCGAGTCCACGAAGGTTA | 1 | *pFP578* |
| pCFD3-ebony-3 | *ebony* | FBgn0000527 | CAGCAGTATGTGGTGAATG | 1 | *pFP507* |
| pCFD3-ebony-4 | *ebony* | FBgn0000527 | TCTACACCTCGGGCAGTAC | 1 | *pFP573* |
| gsb-n | *gsb-n* | FBgn0001147 | GTGAATCGGTGGAGCTGGTC | 2 | *CR00329* |
| CG8080 | *CG8080* | FBgn0033373 | CGAGGCACGCAACACAACAT | 2 | *CR00504* |
| adgf-a | *adgf-A* | FBgn0036752 | ATGACTGGCGACATGATGAG | This study | pHD- *adgf-A* |

1. Port, F., et al. (2015). *G3, 5*(7) 1493-1502.

2. Lee, P.-T. et al. (2018). *eLife, 7*, e35574.