**Supplementary file 1a**

|  |  |
| --- | --- |
| CRISPR-guide RNA name | CRISPR-guide RNA sequence incl. PAM |
| *Tc-fez/erm* upstream 1 | GTGATTACGTGCCGCCGAAG TGG |
| *Tc-fez/erm* upstream 2 | GCGCTTGCTCGGTTCTCAGT TGG |
| *Tc-fez/erm* upstream 3 | GCCGTCGTGAGTGAAACGCC AGG |
| *Dm-ebony* | GAACCGGGCAGCCCGCCTCC TGG |
| *Dm-yellow* | GCGATATAGTTGGAGCCAGC TGG |

**Supplementary file 1b**

|  |  |  |
| --- | --- | --- |
| Primer name | Primer sequence | Distance/ lane in Fig. 2- figure suppl. 1 (B) |
| GFP-5'-rv1 | TGAACTTGTGGCCGTTTACG | 443 bp /1 |
| Fez-ex1-rv1 | AACATTAGGTGAGCAGGGCC |
| GFP-fw-1 | TTCTTCAAGGACGACGGCAA | 474 bp /2 |
| P2A-rv | TCTTCCACGTCTCCTGCTTG |
| GFP-fw-1 | see above | 543 bp /3 |
| Cre-rv1 | GTTGCATCGACCGGTAATGC |