**Table S3**. Primer sequences used for the construction of sgRNA-expressing plasmids.

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| Primer name | Sequence |
| LG II left sgRNA #1 F | |  | | --- | | GAGTGTTCGATAACGTTGGAGTTTAAGAGCTATGCTGGAAA | |
| LG II left sgRNA #1 R | TCCAACGTTATCGAACACTCAAACATTTAGATTTGCAATTCAAT |
| LG II left sgRNA #2 F | GCAATTGCTCAATATATTCGGTTTAAGAGCTATGCTGGAAA |
| LG II left sgRNA #2 R | CGAATATATTGAGCAATTGCAAACATTTAGATTTGCAATTCAAT |
| LG II left sgRNA #3 F | GTAACGGTTGCTAAGGATGAGTTTAAGAGCTATGCTGGAAA |
| LG II left sgRNA #3 R | TCATCCTTAGCAACCGTTACAAACATTTAGATTTGCAATTCAAT |
| LG II right sgRNA #1 F | GCTGGCAAAAGTGGATCATTGTTTAAGAGCTATGCTGGAAA |
| LG II right sgRNA #1 R | AATGATCCACTTTTGCCAGCAAACATTTAGATTTGCAATTCAAT |
| LG II right sgRNA #2 F | GTTGGACTGGCTGGCAAAAGGTTTAAGAGCTATGCTGGAAA |
| LG II right sgRNA #2 R | CTTTTGCCAGCCAGTCCAACAAACATTTAGATTTGCAATTCAAT |
| LG II right sgRNA #3 F | GGGCGAGGGATCTGAACTTCGTTTAAGAGCTATGCTGGAAA |
| LG II right sgRNA #3 R | GAAGTTCAGATCCCTCGCCCAAACATTTAGATTTGCAATTCAAT |
| LG IV left sgRNA #1 F | GCACGTGGAAGAGTTCACCAGTTTAAGAGCTATGCTGGAAA |
| LG IV left sgRNA #1 R | TGGTGAACTCTTCCACGTGCAAACATTTAGATTTGCAATTCAAT |
| LG IV left sgRNA #2 F | GAATGTCCATAGAAAGGAATGTTTAAGAGCTATGCTGGAAA |
| LG IV left sgRNA #2 R | TGGTGAACTCTTCCACGTGCAAACATTTAGATTTGCAATTCAAT |
| LG IV left sgRNA #3 F | GAAAGCTCTCGAGATGATGAGTTTAAGAGCTATGCTGGAAA |
| LG IV left sgRNA #3 R | TGGTGAACTCTTCCACGTGCAAACATTTAGATTTGCAATTCAAT |
| LG IV right sgRNA #1 F | GTGAGTCTCGATTTGGTAGCGTTTAAGAGCTATGCTGGAAA |
| LG IV right sgRNA #1 R | GCTACCAAATCGAGACTCACAAACATTTAGATTTGCAATTCAAT |
| LG IV right sgRNA #2 F | GAGTCCTACCATGCAGTAGCGTTTAAGAGCTATGCTGGAAA |
| LG IV right sgRNA #2 R | GCTACTGCATGGTAGGACTCAAACATTTAGATTTGCAATTCAAT |
| LG IV right sgRNA #3 F | GACGATGTTTGAAATATCTGGTTTAAGAGCTATGCTGGAAA |
| LG IV right sgRNA #3 R | CAGATATTTCAAACATCGTCAAACATTTAGATTTGCAATTCAAT |
| LG X left sgRNA #1 F | GACTGACTTCAGCTACGCAGGTTTAAGAGCTATGCTGGAAA |
| LG X left sgRNA #1 R | CTGCGTAGCTGAAGTCAGTCAAACATTTAGATTTGCAATTCAAT |
| LG X left sgRNA #2 F | GACACGTCCATATCTCGTTAGTTTAAGAGCTATGCTGGAAA |
| LG X left sgRNA #2 R | TAACGAGATATGGACGTGTCAAACATTTAGATTTGCAATTCAAT |
| LG X left sgRNA #3 F | GGCTACAGTATATGCAGGCAGTTTAAGAGCTATGCTGGAAA |
| LG X left sgRNA #3 R | TGCCTGCATATACTGTAGCCAAACATTTAGATTTGCAATTCAAT |
| LG X right sgRNA #1 F | GCCGATTTATGGAAGAGCATGTTTAAGAGCTATGCTGGAAA |
| LG X right sgRNA #1 R | ATGCTCTTCCATAAATCGGCAAACATTTAGATTTGCAATTCAAT |
| LG X right sgRNA #2 F | GGATAGGACGATCGACGCAAGTTTAAGAGCTATGCTGGAAA |
| LG X right sgRNA #2 R | TTGCGTCGATCGTCCTATCCAAACATTTAGATTTGCAATTCAAT |
| LG X right sgRNA #3 F | GTGGTACATGTATTGATACAGTTTAAGAGCTATGCTGGAAA |
| LG X right sgRNA #3 R | TGTATCAATACATGTACCACAAACATTTAGATTTGCAATTCAAT |
| *dpy-9* sgRNA F | GACGTCCGCCATATGTTGGAGTTTTAGAGCTAGAAATAGCAAGT |
| *dpy-9* sgRNA R | TCCAACATATGGCGGACGTCAAACATTTAGATTTGCAATTCAAT |
| *rde-8* sgRNA F | GAACGGATCAGTGAAAGGAGGTTTTAGAGCTAGAAATAGCAAGT |
| *rde-8* sgRNA F | CTCCTTTCACTGATCCGTTCAAACATTTAGATTTGCAATTCAAT |
| *dpy-3* sgRNA F | GTTAGCCATTGTATCCATGTGTTTTAGAGCTAGAAATAGCAAGT |
| *dpy-3* sgRNA R | ACATGGATACAATGGCTAACAAACATTTAGATTTGCAATTCAAT |
| *nrde-3* sgRNA #1F | GGTGAGATGGGCTCTAAGCCGTTTTAGAGCTAGAAATAGCAAGT |
| *nrde-3* sgRNA #1R | GGCTTAGAGCCCATCTCACCCAAACATTTAGATTTGCAATTCAAT |
| *nrde-3* sgRNA #2F | GAAGCCACTTTTCACTACTCGTTTTAGAGCTAGAAATAGCAAGT |
| *nrde-3* sgRNA #2R | GAGTAGTGAAAAGTGGCTTCCAAACATTTAGATTTGCAATTCAAT |
| *pqn-85* sgRNA #1 F | GGACATCAAATGGCTCAAACGTTTTAGAGCTAGAAATAGCAAGT |
| *pqn-85* sgRNA #1 R | GTTTGAGCCATTTGATGTCCAAACATTTAGATTTGCAATTCAAT |
| *pqn-85* sgRNA #2 F | GGCCAGTTCAGCAGATTCAAGTTTTAGAGCTAGAAATAGCAAGT |
| *pqn-85* sgRNA #2 R | TTGAATCTGCTGAACTGGCCAAACATTTAGATTTGCAATTCAAT |
| W07E6.2 sgRNA F | GAGGACGAAAACGAGCTCGGGTTTAAGAGCTATGCTGGAAA |
| W07E6.2 sgRNA R | CCGAGCTCGTTTTCGTCCTCAAACATTTAGATTTGCAATTCAAT |