**List of oligos, crRNAs, and repair templates used in this work.**

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| **Oligonucleotides**  | **Source** |
| *fmo-2(FAD)* crRNA1=5’ AACAAGCGTGTTGCTGTCAT 3’*fmo-2(FAD)* crRNA2=5’ GTCATAGGAGCTGGTGCTTC 3’ | IDT |
| *fmo-2(FAD)* repair template=5’ cgtgtttgttgtcaaaATGGGGAACAAGCGTGTTGCTGTCATcGcAGCTGcTGCTTCcGcATTACCGTCGATTCGgtttgtaattctgatttttattgaaataatag 3’ | IDT |
| *fmo-2(NADPH)* crRNA1=5’ TCACAAGGGTTATGAAGACA 3’*fmo-2(NADPH)* crRNA2=5’ TCACGATTACAAGGATCACA 3’ | IDT |
| *fmo-2(NADPH)* repair template=5’ CAAAGGACGTATTGTTCATTCTCACGATTACAAGGAcCAtAAaGGTTATGAAGAtAAaGTAGTTGTTGTCGTTGcAATTGcAAATAGTGGAATCGACGTGGCAGTTGAGCAATCAAGAATTGC 3’ | IDT |
| *snb-1* RT-PCR/F=5’ GAATCATGAAGGTGAACGTGG 3’*snb-1* RT-PCR/R=5’ GAATGACGACGATAGCGCAC 3’ | IDT |
| *fmo-2* RT-PCR/F=5’ ATAATGAACACGCGTTTCTTC 3’*fmo-2* RT-PCR/R=5’ GATGTTTGGCTTGATTCTGA 3’ | IDT |
| *hlh-30* RT-PCR/F=5’ GAACACATCAGAAGACATGAAAC 3’*hlh-30* RT-PCR/R=5’ AAGATGCGATGGCGGGACCT 3’ | IDT |
| *nhr-49* RT-PCR/F=5’ TCCGAGTTCATTCTCGACG 3’*nhr-49* RT-PCR/R=5’ GGATGAATTGCCAATGGAGC 3’ | IDT |
| *lys-5* RT-PCR/F=5’ GCCAGAGCTGCTGGCCTCAC 3’*lys-5* RT-PCR/R=5’ GCCTTTGCTTCACTGACCATTGC 3’ | IDT |
| *clec-60* RT-PCR/F=5’ CTTTGCTGCAAGTGAACTGTTTC 3’*clec-60* RT-PCR/R=5’ GGACATAATCGTGTTTGTTCG 3’ | IDT |
| *H02F09.3* RT-PCR/F=5’ CGACAAACACCCCTGATAGC 3’*H02F09.3* RT-PCR/R=5’ GTGGTTGTGTGGATGATGAC 3’ | IDT |
| *ech-9* RT-PCR/F=5’ GAAAGAAAATGACACTGAAATG 3’*ech-9* RT-PCR/R=5’ ACCGAGAATAAACATGATATC 3’ | IDT |
| *Y65B4BR.1* RT-PCR/F=5’ ATCTTTACATGGATGCTCAGCAG 3’*Y65B4BR.1* RT-PCR/R=5’ GGCCTAGTTTTGAGAAATGGAAG 3’ | IDT |
| *C50F7.5* RT-PCR/F=5’ CATCCGAAGATCCTCAACCA 3’*C50F7.5* RT-PCR/R=5’ TGGAGATGATGATCCAGAAG 3’ | IDT |
| *srr-6* RT-PCR/F=5’ ATTGCCAGTGGATTCAGCAGT 3’*srr-6* RT-PCR/R=5’ GCCTTGAATACTTCTACGTCC 3’ | IDT |
| *Y47H9C.1* RT-PCR/F=5’ GGACATTTCCCTACTGGAGG 3’*Y47H9C.1* RT-PCR/R=5’ GGTGGCCTTTGGTTTACAAAA 3’ | IDT |
| *K08C7.4* RT-PCR/F=5’ CTCCAGGATCTGACGAAGAGG 3’*K08C7.4* RT-PCR/R=5’ CCCTCTGCCTCTTGCCGATG 3’ | IDT |
| *irg-5* RT-PCR/F=5’ GATGCATCTGCGGTGAAGAAG 3’*irg-5* RT-PCR/R=5’ CCAGATAACCATTGTAACTCGT 3’ | IDT |
| *C33A12.19* RT-PCR/F=5’ CTGAAAACAAGCGGAAGAAATC 3’*C33A12.19* RT-PCR/R=5’ CATGGAGATGCTGTATCATTG 3’ | IDT |
| *clec-52* RT-PCR/F=5’ ATTCCTTGTTGGTTTTTCAAAG 3’*clec-52* RT-PCR/R=5’ ATCAGCAACTAAAGAAGTCCAC 3’ | IDT |
| *pals-39* RT-PCR/F=5’ GTTTGCTCCGAATTCATAAAACG 3’*pals-39* RT-PCR/R=5’ GAGTGATGTCTTGAACGCCA 3’ | IDT |
| *mpk-2* RT-PCR/F=5’ CGTCGGCTGAAACAATTGATAC 3’*mpk-2* RT-PCR/R=5’ GCCAGATAACATAGGTGGAGC 3’ | IDT |
| *C54F6.12* RT-PCR/F=5’ GAAAAGGTTTTGACCTGCGTAAAAG3’*C54F6.12* RT-PCR/R=5’ GCTCTTTTTGTCCTCAAAAGATTTG 3’ | IDT |
| *Pmyo-3*/F= 5’ gctagCCTGCAGGAGTGATTATAGTCTCTGTTT 3’*Pmyo-3*/R= 5’ taagcaGTCGACCATTTCTAGATGGATCTAGT 3’ | Ghazi laboratory |
| *Pgly-19*/F= 5’ gctagCCTGCAGGcgaccgccgattgattgggg 3’*Pgly-19*/R=5’ taagcaGTCGACcagaattgagagttctcaatg 3’ | Ghazi laboratory |
| *Prgef-1*/F= 5’ gctagCCTGCAGGcgcaacattgaattccgaccaagagc 3'*Prgef-1*/R= 5’ taagcaGTCGACCATCGTCGTCGTCGTCGATGCCGTCTTCACGA 3’ | Ghazi laboratory |
| *Pcol-12*/F= 5’ gctagCCTGCAGGtcagtatttgctattgac 3’*Pcol-12*/R=5’ taagcaGTCGACttttctaaaaagtaatcaaatc 3’ | Ghazi laboratory |
| *PK08C7.4/F=*5’ggagggtaccggtagaaaaattaaactgttcaatgctcctcaaagttttcac 3’PK08C7.4/R= 5’ agttcttctcctttactcattcctgtaaacatgttgtttgtgaaacagttatca 3’ | IDT |
| *pPD95.75(PK08C7.4)/F=*5’ caaacaacatgtttacaggaatgagtaaaggagaagaacttttcactgg 3’*pPD95.75(PK08C7.4)/R*5’ aggagcattgaacagtttaatttttctaccggtaccctccaagg 3’ | IDT |
| *fmo-2(FAD)* genotyping/F*=*5’ gccgtgaaagttctgtacatcttg 3’*fmo-2(FAD)* genotyping/R=5’ CGCCATCAAAGATTTCTTCCAACG 3’ | IDT |
| *fmo-2(NADPH)* genotyping/F=5’ CACCTCAAGAAAATCTAGCAAATTTC 3’*fmo-2(NADPH)* genotyping/R=5’ CCAGTTGACATCACGACCTCGTC 3’ | IDT |