**Supplementary File 2: Genotyping primers used in this study.**

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| --- | --- | --- | --- |
| allele | primer | primer sequence (5′-3′) | Genotype\*  |
| *acr-2(n2420)* | YJ10882 | GGAATATGGGACGTGATTGGTAA | CGCTCTTGTTATGTTCTTGTT |
| YJ10883 | ATTATTTCTCTATTGACCGTGGTCC |
| YJ8874 | GGTATCCTTTCTGGTCGTTTCATC (sequencing primer) |
| *eif-3.G(ju807)* | YJ12592 | CCACACATCCAGGAAGGAGCT | TGCCGTCATTACAAAGGAAAC |
| YJ12593 | AACGGATTAGTTGCTCGGACGTG |
| YJ12595 | ATCATTGAGTTCTGCAATTGCACG (sequencing primer) |
| *eif-3.G(ju1327)* | YJ12594 | CACAACTTACGTGGCTGAAGAAG | WT- 159 bp*ju1327*- 140 bp |
| YJ12596 | GGACAATGAGTACTCCAATGGTCG |
| *ife-1(bn127)* | YJ12400 | GTTCCACGTGCCCATTTTTATTTGC | WT- 899 bp*bn127*- 309 bp |
| YJ12401 | GCCTGGAAACCACAAGGCAATATAATAC |
| *ife-2(ok306)* | YJ12402 | CTACAGCAAAGTTGAGGGCTTGAG | WT- 1,291 bp*ok306*- 879 bp |
| YJ12403 | GCTTGAAAATTAATTAGACAAG |
| YJ12404 | GCTGATGACGGGGCAAATCTGAG |
| *ife-4(tm684)* | YJ12597 | TCCAGAAATGTGCGACAAAGCTG | WT- 1,220 bp*tm684*- 429 bp |
| YJ12598 | ATGGAACGAATTAAAGCGGTCGAC |
| *lgc-46(ju825)* | YJ12599 | CACGTACTTCCACGTACAAACTCATTAG | TACTTGCAATAACTTTCCAGT |
| YJ12600 | GATTTACCCGCGAAGTTATGCG (sequencing primer) |
| *eif-3.E(ok2607)* | YJ12396 | ACAATGGAAAACCTATTCCGGC | WT- 1,222 bp*ok2607*- 644 bp |
| YJ12397 | CGCCTTGACTTTGTCTTGACG |
| *eif-3.H(ok1353)* | YJ12398 | TACAATTGACGCGCAGTTGC | WT- 1,976 bp*ok1353*- 639 bp |
| YJ12601 | ACCAGAAAGGAATTTCATACGGC |
| Si chromosome I (*juSi260, juSi391, juSi392, and juSi393*) | YJ10686 | TTTTTCAGAAATATATGCCGAGGATGTTC | WT- 623 bpwith insertion- 820 bp |
| YJ10507 | tgtcgaccgctagtgtagcttac |
| YJ10508 | cgtctctccacgatttacacactatttg |
| Si chromosome IV( *juSi320, juSi331, juSi364, juSi365, juSi366, and juSi368*) | YJ10503 | GGAACAAAGGAGTTCAGATCCTGTG | WT- 562 bpwith insertion- 744 bp |
| YJ10504 | GGAAGACCCTTAGTTCCAAACAAGTG |
| YJ11707 | CCAGACTCGACTGAATGAACAGG |

**\*** indicates deletion/insertion alleles or nucleotide changes (red) in corresponding alleles.