|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Markers / *mutants* | Alelle | Primers (5'-3') | primer name | Restriction enzyme |
| *bub-1(L282A;V285A);*  *bub-1(L282A;V285A);(K718R;D847N)* | *bub-1(syb1936[bub-1((L282A;V285A)])I;*  *bub-1(syb1936,syb2383[bub-1 (L282A;V285A,K718R;D847N)]I* | ATGGAATATCGATTGAGGAGTTTC | fgp\_153 | *NsiI* |
| CAATTTCGGGTTGTACTTCAGA | fgp\_154 |
| *bub-1(S283A)* | *bub-1(syb2396[bub-1((S283A)])I* | ATGGAATATCGATTGAGGAGTTTC | fgp\_153 | *HhaI* |
| CAATTTCGGGTTGTACTTCAGA | fgp\_154 |
| *bub-1(K718R;D847N)* | *bub-1(syb1746[bub-1((K718R;D847N)])I* | GATGTGTCTTGTGCGTCCTC | fgp\_125 | *BmrI* |
| CCAGTCCGGAAGTGAATCA | fgp\_126 |
| *pptr-2* | *pptr-2(ok1467)V* | ATCCTTGCTAAGCACAGTTGAAGT | fgp\_137 |  |
| CGTGAACGTGACTTTCTGAAGA | fgp\_138 |
| *san-1Δ* | *san-1(ok1580) I* | GAAACTGCACGCTTAAAGCTTG | fgp\_139 |  |
| CTTTCCACGTTTCCCGTATC | fgp\_140 |
| GGGTGATTCGGCAGAAGA | fgp\_141 |
| PPTR-1::GFP | *pptr-1(lt89[pptr-1::gfp])V* | CCTCGGAGAGTACACAAGACC | fgp\_158 |  |
| TGGAGTTGTCCCAATTCTTGTT | fgp\_2 |
| AGCAGCAGAAGACGAGAGAGT | fgp\_159 |
| PPTR-2::GFP | *pptr-2(lt91[pptr-2::gfp])V* | ACGCCCTCAAGATGTTCAT | fgp\_160 |  |
| TGGAGTTGTCCCAATTCTTGTT | fgp\_2 |
| ACTGGGTAAGGAAGTCGAATCA | fgp\_161 |
| AID::GFP::GSP-2 | *gsp-2(syb545[AID::gfp::gsp-2])III* | TCTAATTGGGTTGTTTGAGCG | fgp\_53 |  |
| TGGAGTTGTCCCAATTCTTGTT | fgp\_2 |
| TTTTCCCTGGTTTGGATCC | fgp\_54 |

**Supplementary Table 3.** List of primers used for genotyping.