**Supplementary file 1a**

**Viability and fertility of transgenic worm strains**

|  |  |  |  |
| --- | --- | --- | --- |
| Strains | Eggs laid (±SD)(n=6 broods) | Egg viability (±SD) (%) | Male progeny (±SD) (%) |
| WT | 261(±17) | 106.64(±5.07) | 0.13(±0.30) |
| *meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV;chk-2(ie121[HA::aid::chk-2]) V*  | 295(±26.51) | 105.63(±3.09) | 0.27(±0.25) |
| *meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV;chk-2(ie127[HA::chk-2]) V*  | 202.33(±24.12) | 103.68(±3.64) | 0.15(±0.38) |
| *plk-2(ie50[plk-2::mRuby]; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; mpk-1(ie54[mpk-1:: aid::3xFLAG]) III; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV* | 274.6(±24.09) | 104.07(±3.11) | 0.15(±0.20) |
| *ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II* | 269(±42.53) | 104.41(±1.88) | 0.07(±0.18) |
| *plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III* | 300.83(±40.66) | 101.02(±1.61) | 0.00(±0.00) |
| *meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; pas-1(ie185[pas-1::aid::3xFLAG]), chk-2(ie186 [ALFA::chk-2]) V* | 217.50(±33.75) | 103.57(±4.26) | 0.05(±0.14) |
| *plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III; pas-1(ie188[pas-1::aid::3xFLAG]), chk-2(ie187 [ALFA::chk-2]) V* | 245.50(±14.10) | 106.71(±5.17) | 0.00(±0.00) |

Note: viability >100% is a consequence of failing to count some embryos.

**Supplementary file 1b**

**Worm alleles generated in this study**

|  |  |  |
| --- | --- | --- |
| Allele | Genotype | Information about mutagenesis |
| *ie121* | *chk-2(ie121[HA::aid::chk-2])* | generated using *dpy-10* Co-CRISPR in *ieSi38[sun-1p::tir1::mRuby::sun-1 3'UTR, Cbr-unc-119(+)] IV* |
| *ie122* | *him-8 (ie122)* mutant | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3'UTR, Cbr-unc-119(+)] IV; chk-2(ie121[HA::aid::chk-2]) V* |
| *ie123* | *syp-1(ie123[syp-1 T452A])*  | *generated using dpy-10 Co-CRISPR in plk-2(ie50[plk-2::mRuby] I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II* |
| *ieSi64* | *[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II* | Single copy transgene inserted into Chr II (oxTi179) using mosSCI |
| *ie124* | *cosa-1(ie124[3xFLAG::cosa-1]* | *generated using dpy-10 Co-CRISPR in ieSi64[gld-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] II* |
| *ie125* | *plk-1(ie125[plk-1::aid::HA])* | *generated using dpy-10 Co-CRISPR in ieSi64[gld-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1] III* |
| *ie126* | *plk-2(ie126[plk-2::aid::HA])* | *generated using dpy-10 Co-CRISPR in ieSi64[gld-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1] III* |
| *ie54* | *mpk-1(ie54[mpk-1::aid::3xFLAG])* | *generated using dpy-10 Co-CRISPR in plk-2(ie50[plk-2::mRuby] I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV* |
| *ie127* | *chk-2(ie127[HA::chk-2])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV* |
| *ie128* | *chk-2(ie128[HA::chk-2 S116A])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie129* | *chk-2(ie129[HA::chk-2 S116A])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie130* | *chk-2(ie130[HA::chk-2 S116D])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie131* | *chk-2(ie131[HA::chk-2 T120A])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie132* | *chk-2(ie132[HA::chk-2 T120A])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie133* | *chk-2(ie133[HA::chk-2 T120D])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie134* | *chk-2(ie134[HA::chk-2 T120D])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2])* |
| *ie135* | *plk-3(ie135) mutant* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)], him-8(ie122) IV; chk-2(ie121[HA::aid::chk-2]) V* |
| *ie136* | *plk-3(ie136) mutant* | *generated using dpy-10 Co-CRISPR in plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III* |
| *ie185* | *pas-1(ie185[pas-1::aid::3xFLAG])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV* |
| *ie186* | *chk-2(ie186[ALFA::chk-2])* | *generated using dpy-10 Co-CRISPR in meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; pas-1(ie185[pas-1::aid::3xFLAG]) V* |
| *ie187* | *chk-2(ie187[ALFA::chk-2])* | *generated using dpy-10 Co-CRISPR in plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III* |
| *ie188* | *pas-1(ie188[pas-1::aid::3xFLAG])* | *generated using dpy-10 Co-CRISPR in plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III; chk-2(ie187[ALFA::chk-2])V* |

**Supplementary file 1c**

**crRNAs, repair templates and genotyping primers used in this study**

|  |  |  |
| --- | --- | --- |
| Transgenes | crRNAs and repair templates | Genotyping primers and fragment sizes |
| *chk-2(ie121[HA::aid::chk-2])* | 5’-TCTTTTTGTCCCGCGAACCA-3’; 5’-attgaattttttgcgatttttggggcaaattttggtgattttttacTTTTCCGCCGAGCTCCGACGTCTcTTgGTtCCaCGgACTCCTGAGCCTCCcttcacgaacgccgccgcctccgggccaccgcttgatttttggcaggaaaccatcacgttcttccggtatgatctcaccggtggccatcccacaacttgtgccttggccggaggtttggctggatctttaggcatCGATCCGGCATAATCTGGCACATCATATGGGTACATggaaatcgctgaaaaaatggagaaaattgcgaaaaaatggagaaaattgcgaaaaaaacgaag- 3’ | F: 5’-ctacggtagtttttaaaggcgcag-3’; R: 5’-GATTCTCCGACGACAAGATCCTC-3’;WT, 354bp; inserted, 534bp |
| *him-8 (ie122)* | 5’-TATCGACGTGCTCTCGGTGA-3’; NA | NA |
| *ieSi64 [gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II* | NA; pLZ69 | oxTi179\_II\_F: 5’-TTGCCACGTCTTCTTGAGTG-3’; oxTi179\_II\_R: 5’-TGCTCGGAAGGACTTGATTT-3’.WT, 281bp; inserted, >10kb |
| *cosa-1(ie124[3xFLAG::cosa-1])* | 5’-aagtgtcaATGTCAAGTTCT-3’; 5’-cgacaaaatcagtgaaaaatcgtgaaaactgaactgaagtgtcaATGGAtTAtAAaGACCAtGAtGGAGAcTAtAAGGAtCACGAtATtGAtTACAAaGACGAtGAtGAtAAaggagctggatcaTCAAGTTCTCGgtgagttgtcgtttcaaaataaaatgcgaacactgcctgtcaccatg- 3’ | F: 5’-cgtaaaccttcaaggcgcacag-3’; R: 5’-CTGATACGGCAGGTGTACCTAGAG-3’;WT, 310bp; inserted, 388bp |
| *plk-1(ie125[plk-1::aid::HA])* | 5’-acatacggatCTATCGACGT-3’; 5’- GATATGCCACGGTCAATGGCAGCTGCTCGTTCAGCTTCGGCAGGATCACGAGGACCAAATCAAGCTGCATCGCACCTTCCCCAGTCGGCAAGTGGATCCAATATTCACCCACGTCGAggagctggatcaCCTAAAGATCCAGCCAAACCTCCGGCCAAGGCACAAGTTGTGGGATGGCCACCGGTGAGATCATACCGGAAGAACGTGATGGTTTCCTGCCAAAAATCAAGCGGTGGCCCGGAGGCGGCGGCGTTCGTGAAGggagccggatctTACCCCTACGATGTCCCAGATTATGCTTAGatccgtatgtgctctttgccacttccatgaatttgcttacatctcctgattaattccaagaagtattattctatacatttaacccgtactcttcatttattgttgctgtttttcatcgac- 3’ | F: 5’- cgtataatttacagAAATTCCTTCACCGAC-3’; R: 5’-catcagtatttacaatgaaatgagctacg-3’;WT, 433bp; inserted, 616bp |
| *plk-2(ie126[plk-2::aid::HA])* | 5’-tcgattttcTTAGCGACGCG-3’; 5’-GAAAGAGGAGACGAAACACAATGCACCGGCGGCCAATGCAGTACGCCTTCCATCGACTTCCAGCAACGTCCGTTTGGAATCTGCAGCAGATATCCAGCCGGCTTATCCATCATCCTCGCGTCGCggagctggatcaCCTAAAGATCCAGCCAAACCTCCGGCCAAGGCACAAGTTGTGGGATGGCCACCGGTGAGATCATACCGGAAGAACGTGATGGTTTCCTGCCAAAAATCAAGCGGTGGCCCGGAGGCGGCGGCGTTCGTGAAGggagccggatctTACCCCTACGATGTCCCAGATTATGCTTAAgaaaatcgatctgcaacaaattgagctcatttccccttaccggttttgatatttctctgatcaatacacttttatgtccgtgtttgtaatcaattttatcc- 3’ | F: 5’-GGAGAAGTTCCTCCATCGAATTC-3’; R: 5’-gagcatgatgacacccgaatgtttg-3’;WT, 451bp; inserted, 634bp |
| *mpk-1(ie54[mpk-1 aid::3xFLAG])* | 5’-TAAATACTACTAATCTAAAC-3’; 5’-GCGGCTGCAAGGAATAATGGAGGGCAGAATCCTGTTGGAGCTGGATCAATGCCTAAAGATCCAGCCAAACCTCCGGCCAAGGCACAAGTTGTGGGATGGCCACCGGTGAGATCTTACCGGAAGAACGTGATGGTTTCCTGCCAAAAATCAAGCGGTGGCCCGGAGGCGGCGGCGTTCGTGAAGGGAGCCGGATCTGATTATAAAGACCATGATGGAGACTATAAGGATCACGATATTGATTACAAAGACGATGATGATAAATAATAGATTAGTAGTATTTACCCACTAAATTAGTTATTTTTTCCACTTTTTTTTTATTTTCCACTAAGATTTTGGCATTTCAGTTTCTTTTTCGATGTATCATAATCCACTTCAAAACTCGATCG- 3’ | F: 5’- CAGTTTGTGAGGAACCATTCACTTTGG -3’; R: 5’-gagtgattaattggaggaggtgcattc-3’;WT, 426bp; inserted, 654bp |
| *chk-2(ie127[HA::chk-2])* | 5’-tcagcgatttccATGGTTCG-3’; 5’-ccattttttcgcaattttctccattttttcagcgatttccATGTACCCATATGATGTGCCAGATTATGCCGGAGGCTCAGGAGTTCGCGGGACAAAAAGACGTCGGAGCTCGGCGGAAAAgtaaaaaatcac- 3’ | F: 5’-gtctcgccgcgattttcgtattttc-3’; R: 5’-CAAGCTTCGCGAAGGGTTTTGAAG-3’;WT, 339bp; inserted, 378bp |
| *chk-2(ie128[HA::chk-2 S116A]) and chk-2(ie129[HA::chk-2 S116A])* | 5’-TACACGATCACTCACGCAAC-3’; 5’-caatatttcagGACACAGAAACGCGTAGAATCTATCTACACGATCACgCcCGCAACGGaACCCTCGTAAATCAGGAAATGATCGGAAAAGGGCTGTCCAGAGAG- 3’ | F: 5’-gattttccagACTTGGCAGACGATC-3’; R: 5’-cgtcaaaaacgcacTGATCAGCGCTG-3’;WT, 337bp; mutant, 337bp=223bp+114bp (Cac8I digestion) |
| *chk-2(ie130[HA::chk-2 S116D])* | 5’-TACACGATCACTCACGCAAC-3’; 5’-caatatttcagGACACAGAAACGCGTAGAATCTATCTACACGATCACgatCGCAACGGaACCCTCGTAAATCAGGAAATGATCGGAAAAGGGCTGTCCAGAGAG- 3’ | F: 5’-gattttccagACTTGGCAGACGATC-3’; R: 5’-cgtcaaaaacgcacTGATCAGCGCTG-3’;WT, 337bp; mutant, 337bp=223bp+114bp (PvuI digestion) |
| *chk-2(ie131[HA::chk-2 T120A]) and chk-2(ie132[HA::chk-2 T120A])* | 5’-CGATCATTTCCTGATTTACG-3’; 5’- CTCCGTTCATTAGCTCTCTGGACAGCCCTTTTCCGATCATTTCCTGATTTACGAGaGctCCGTTGCGTGAGTGATCGTGTAGATAGATTCTACGCGTTTCTGTGTCctgaaatattg- 3’ | F: 5’-gattttccagACTTGGCAGACGATC-3’; R: 5’-cgtcaaaaacgcacTGATCAGCGCTG-3’;WT, 337bp; mutant, 337bp=233bp+104bp (SacI digestion) |
| *chk-2(ie133[HA::chk-2 T120D]) and chk-2(ie134[HA::chk-2 T120D])* | 5’-CGATCATTTCCTGATTTACG-3’; 5’- CTCTCTGGACAGCCCTTTTCCGATCATTTCCTGATTTACGAGatcCCCGTTGCGTGAGTGATCGTGTAGATAGATTCTACGCGTTTCTGTGTCctgaaatattg- 3’ | F: 5’-gattttccagACTTGGCAGACGATC-3’; R: 5’-cgtcaaaaacgcacTGATCAGCGCTG-3’;WT, 337bp; mutant, 337bp=234bp+103bp (XhoII digestion) |
| *plk-3 (ie135) and plk-3 (ie136)* | 5’-GCTCCGTACTCGCGGAAACT-3’; 5’- caaatttattcatcgtttctagATGCAGCATGTGCTCCGTACTCGCGGAAACTAAGCTCGAGTCGGCACAAGATAAAAATAAAAAGCATGTTCCTAATGTACCGCCAATTATCTAC- 3’ | F: 5’-caacgtgtttagttgaattgcacttc-3’; R: 5’- CTGTCGATGAATTTCAACTTCTCGAG-3’;WT, 380bp; mutant, 390bp=150bp+240bp (XhoI digestion) |
| *pas-1(ie185[pas-1::aid::3xFLAG]) and pas-1(ie188[pas-1::aid::3xFLAG])* | 5’- gatgaatatTTAATCTCGGT -3’; 5’- CAAGGATCTTGAGGTTGTCGTTGTCACCAAGGATAACTCCAAATTCACCAAGCTAACCAGCGATCAGGTCGAACATCATCTCAATCAAATCGCCAACCGAGATggagctggatcaCCTAAAGATCCAGCCAAACCTCCGGCCAAGGCACAAGTTGTGGGATGGCCACCGGTGAGATCATACCGGAAGAACGTGATGGTTTCCTGCCAAAAATCAAGCGGTGGCCCGGAGGCGGCGGCGTTCGTGAAGggagccggatctGAtTAtAAaGACCAtGAtGGAGAcTAtAAGGAtCACGAtATtGAtTACAAaGACGAtGAtGAtAAaTAAatattcatcgacctttgtatttaaatatttcccgtttcaattgatccggtacccaaattgaattaaatacctggtttcc -3’ | F: 5’- CAACTTCCAGCGACCTCATTCTTG -3’; R: 5’- ggagggcaatgataaaaaagacc -3’;WT, 373bp; inserted, 595bp |
| *chk-2(ie186[ALFA::chk-2]) and chk-2(ie187[ALFA::chk-2])* | 5’- tcagcgatttccATGGTTCG -3’; 5’- ccattttttcgcaattttctccattttttcagcgatttccATGCCATCCCGTCTCGAGGAGGAGCTCCGTCGTCGTCTCACCGAGCCAGGAGGCTCAGGAGTTCGCGGGACAAAAAGACGTCGGAGCTCGGCGGAAAAgtaaaaaatcac -3’ | F: 5’- gtctcgccgcgattttcgtattttc -3’; R: 5’- CAAGCTTCGCGAAGGGTTTTGAAG -3’;WT, 339bp; inserted, 396bp |

**Supplementary file 1d**

**Worm strains used in this study**

|  |  |  |
| --- | --- | --- |
| Strains | Source | Identifier |
| *C. elegans:* N2 *Bristol, wild isolate* | Caenorhabditis Genetics Center | N2 |
| *C. elegans: plk-2(ie50[plk-2::mRuby] I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; syp-1(ie123[syp-1 T452A]) V* | This paper | CA1290 |
| *C. elegans: ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II* | This paper | CA1352 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV* | This paper | CA1364 |
| *C. elegans: plk-2(ie50[plk-2::mRuby] I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; mpk-1(ie54[mpk-1::aid::3xFLAG]) III; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV* | This paper | CA1416 |
| *C. elegans: plk-2(ie108[plk-2::aid::3xFLAG]), zhp-2(ie107[zhp-2::HA]) I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3'UTR, Cbr-unc-119(+)] IV* | Zhang et al., 2018 | CA1429 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie121[HA::aid::chk-2]) V* | This paper | CA1539 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; him-8(ie122), ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie121[HA::aid::chk-2]) V* | This paper | CA1540 |
| *C. elegans: plk-2(tm1395) I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie121[HA::aid::chk-2]) V* | This paper | CA1541 |
| *C. elegans: plk-2(ie50[plk-2::mRuby] I??; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; syp-1(ie123[syp-1 T452A]), chk-2(ie121[HA::aid::chk-2]) V* | This paper | CA1542 |
| *C. elegans: plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III* | This paper | CA1543 |
| *C. elegans: plk-2(ie50[plk-2::mRuby] I; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; mpk-1(ie54[mpk-1::aid::3xFLAG]) III; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; syp-1(ie123[syp-1 T452A]) V* | This paper | CA1544 |
| *C. elegans: ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1] III* | This paper | CA1545 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie127[HA::chk-2]) V*  | This paper | CA1546 |
| *C. elegans: plk-2(ie50[plk-2::mRuby] I??; meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV??; syp-1(ie123[syp-1 T452A]), chk-2(ie127[HA::chk-2]) V*  | This paper | CA1547 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie128[HA::chk-2 S116A]) V*  | This paper | CA1548 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie129[HA::chk-2 S116A])WT V*  | This paper | CA1549 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie130[HA::chk-2 S116D])/WT V*  | This paper | CA1550 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie131[HA::chk-2 T120A])/WT V*  | This paper | CA1551 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie132[HA::chk-2 T120A])/WT V*  | This paper | CA1552 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie133[HA::chk-2 T120D])/WT V*  | This paper | CA1553 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; chk-2(ie134[HA::chk-2 T120D])/WT V*  | This paper | CA1554 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)], plk-3(ie135), him-8(ie122) IV; chk-2(ie121[HA::aid::chk-2]) V* | This paper | CA1555 |
| *C. elegans: plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III; plk-3(ie136) IV* | This paper | CA1556 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; him-5(ok1896), chk-2(ie121 [HA::aid::chk-2]) V* | This paper | CA1557 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; pas-1(ie185[pas-1::aid::3xFLAG]) V* | This paper | CA1558 |
| *C. elegans: meIs8[pie-1p::GFP::cosa-1, unc-119(+)] II; ieSi38[sun-1p::tir1::mRuby::sun-1 3’ UTR, Cbr-unc-119 (+)] IV; pas-1(ie185[pas-1::aid::3xFLAG]), chk-2(ie186 [ALFA::chk-2]) V* | This paper | CA1559 |
| *C. elegans: plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III; chk-2(ie187 [ALFA::chk-2]) V* | This paper | CA1628 |
| *C. elegans: plk-2(ie126[plk-2::aid::HA]) I; ieSi64[gld-1p::tir1::mRuby::gld-1 3’ UTR, Cbr-unc-119 (+)] II; cosa-1(ie124[3xFLAG::cosa-1], plk-1(ie125[plk-1::aid::HA]) III; pas-1(ie188[pas-1::aid::3xFLAG]), chk-2(ie187 [ALFA::chk-2]) V* | This paper | CA1629 |