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| **Supplementary Table.** ssODNs and guides used in this research. | | |
| **ssODN** | **Allele** | **Sequence** |
| 3414 | *gj2089[che-1::GFP::AID]* | TGCTATACGAAGTTATTTTAAACTTACCTTTCCCTTCACGAACGCCGCCGCCTCCGGGCCACCGCTTGATTTTTGGCAGGAAACCATCACGTTCTTCCGGTATGATCGCACCGGTGGCCATCCCACAACTTGTGCCTTGGCCGGAGGTTTGGCTGGATCTTTAGGCATGGATTGAAAGTACAGATTCTCCTTGTAGAGCT |
| 3416 | *gj2062[(ASEgcy-22 + flanks)p::che-1::GFP::AID]* | TGTTCTCTAAAATTGAAAAATAAGGAATCAGAATGTTTTTATATATTTTCAGTTATATCACATTTTACGAGCATTTATGTGCCCCACTTCGAATTTGAAGGGCTTCCCATAGACGCGTGATTTTATTTCGAATTTCGAGATTTCGAGAAAATTAAACCGTTTTTTTTCTCTTCTTCTTCAGCTCATCATCGAATCTCACC |
| 3417 | *gj2063[(ASEgcy-22)p::che-1::GFP::AID]* | AAGGAATCAGAATGTGTAGGAAGTTGTTAGTAAGTGAAGCCCTTCAATTCATAGATAAGAAGAAACTACGGTATTCGGATTA |
| 3420 | *gj2088[(HD)p::che-1::GFP::AID* | AGCTGAAGAAGAAGAGAAATTGGGAGAGAAGAGATGAATACCGTAGTTTCTTCTTATCTATGAAAATTGTGGCT |
| 3415 | *gj2065[(ASEche-1 + flanks)p::gcy-22]* | ATTTTCCTGGTTATCTGACGTTAATTCAGTGATTCAATTGTTCTCTAAAATTGAAAAATAAGGAATCAGAATGTGTAGGAAGTTGTTAGTAAGTGAAGCCACAATTTTCATAGATAAGAAGAAACTACGGTATTCGGATTAAAATCTCTTCTCTCCCAATTTCTCCCTACGTCTTTGAATATTATAGGATTTCACAAAAT |
| 3418 | *gj2064[(ASEche-1)p::gcy-22]* | ATCTCGAAATTCGAAATAAAATCACGCGTCTATGGGAAGCCACAATTATTCGAAGTGGGGCACATAAATGCTCGTAAAATGT |
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| 3579 | *ceh-36(gj2127)* | ATTTGCGGATCCGTCGAGCACTTCGCCTGCCCCCGtttaaaaTAAGTTTTGAATATTCCCTTTTGATTTTTAATTCA |
| 2679 | *gj1959[osm-3::GFP]* | CTTGCTCACCATGACCGGTACCTTGGGATTCAGAGAAGCTAG |
| 2643 | *gj1959[osm-3::GFP]* | TTGTAAAACGACGGCCAGTGAATGGAAGTGCTAGCCTAGG |
| 2660 | *gj1959[osm-3::GFP]* | CGAGCTGTACAAGTAAGAATTCTTCGTGTGTACATTGTGATG |
| 2646 | *gj1959[osm-3::GFP]* | GACCATGATTACGCCAAGCTCATATGGAGGCGGTTGGTCTTATTAC |
|  |  |  |
| **guide** | **Allele** | **Sequence** |
| g2 | *gj2089[che-1::GFP::AID]* | TCTGTACTTTCAATCCGGAA |
| g51 | *gj2062[(ASEgcy-22 + flanks)p::che-1::GFP::AID]* | GCTGAAGAAGAAGAGAAATT |
| g52 | *gj2062[(ASEgcy-22 + flanks)p::che-1::GFP::AID]* | AATAAGGAATCAGAATGTGT |
| g53 | *gj2063[(ASEgcy-22)p::che-1::GFP::AID]* | CTTCTTATCTATGAAAATTG |
| g54 | *gj2088[(HD)p::che-1::GFP::AID]* | TAAGAAGAAACTACGGTATT |
| g55 | *gj2065[(ASEche-1+flanks)p::gcy-22]* | ATATTCAAAGACGTAGGTGT |
| g56 | *gj2065[(ASEche-1+flanks)p::gcy-22]* | CGTTAATTCAGTGATTCATA |
| g57 | *gj2064[(ASEche-1)p::gcy-22]* | TGCCCCACTTCGAATTTGAA |
| g63 | *ceh-36(gj2127)* | GGAATATTCAAAACTTAAAG |
| g66 | *ceh-36(gj2127)* | GGTGGTCATTGTGCATGCGG |
| g50 | *gj1959[osm-3::GFP]* | GAATTATTTGGGATTCAGAG |