**SUPPLEMENTARY TABLE S2: Primers used for creation of cell specific/selective RNAi knockdown:**

|  |  |
| --- | --- |
| **NSM primers:** |  |
| **ceh-2p::tph-1RNAi** |  |
| CEH-2PF | 5’-TGGGTGTCACATTTTCGGTGG-3’ |
| CEH-2R:TPH-1PRS | 5’-CAGTACGAGTTGGTGTGAATTTCACTCCGAATATTAGAAAAAATAAG-3’ |
| CEH-2R:TPH-1PRA | 5’-ATATTTGTGCAAAAAGAGTGATTTTTCACTCCGAATATTAGAAAAAATAAG-3’ |
| TPH-1TF | 5’- CTCTTCACACCAACTCGTACT -3’ |
| TPH-1TR | 5’-ACATAATCACTCTTTTTGCACAAATATCC-3’ |
| CEH-2PF\* | 5’-CATTTTCGGTGGTCACGCA-3’ |
| TPH-1TR\* | 5’-CTTTTTGCACAAATATCCAAATCATAAATAC-3’ |
| TPH-1TF\* | 5’-CCAACTCGTACTGTTCGTCG -3’ |
| **ceh-2p::ins-1RNAi** |  |
| CEH-2PF | 5’-TGGGTGTCACATTTTCGGTGG-3’ |
| CEH-2R:INS-1PRS | 5’-ttgacgaaaccagtacatccgaatattagaaaaaataagtaaactagc-3’ |
| CEH-2R:INS-1PRA | 5’-tgcaatcaggacgataatccgaatattagaaaaaataagtaaactagc-3’ |
| INS-1TF | 5’-ATGTACTGGTTTCGTCAAGTTTACAG -3’ |
| INS-1TR | 5’-TTATCGTCCTGATTGCAGCAGAATG-3’ |
| CEH-2PF\* | 5’-CATTTTCGGTGGTCACGCA-3’ |
| INS-1TR\* | 5’-CTGATTGCAGCAGAATGTTTTGAG-3’ |
| INS-1TF\* | 5’-TGGTTTCGTCAAGTTTACAGACC -3’ |
| **ceh-2p::unc-86RNAi** |  |
| CEH-2PF | 5’-TGGGTGTCACATTTTCGGTGG-3’ |
| CEH-2R:UNC-86PRS | 5’-TCCCGAAAAGTAGTTGCTATAGCCGAATATTAGAAAAAATAAGTAAACTAGC-3’ |
| CEH-2R:UNC-86PRA | 5’-TAAAATTAGGAGTCACACAGCCGAATATTAGAAAAAATAAGTAAACTAGC-3’ |
| UNC-86TF | 5’- CTATAGCAACTACTTTTCGGGAAT -3’ |
| UNC-86TR | 5’-CCTGTGTGACTCCTAATTTTATTCT-3’ |
| CEH-2PF\* | 5’-CATTTTCGGTGGTCACGCA-3’ |
| UNC-86TR\* | 5’-ATTCTTCTCTGCTTGAAATGCTCT-3’ |
| UNC-86TF\* | 5’-AACTACTTTTCGGGAATCCACG -3’ |
| **ceh-2p::mod-5RNAi** |  |
| CEH-2PF | 5’-TGGGTGTCACATTTTCGGTGG-3’ |
| CEH-2R:MOD-5PRS | 5’-TGAACTTCAAGGACTTTGTATTTTCACTCCGAATATTAGAAAAAATAAG-3’ |
| CEH-2R:MOD-5PRA | 5’-ATTTTAACAATAACTGCTATCGTTTCACTCCGAATATTAGAAAAAATAAG-3’ |
| MOD-5TF | 5’- ATACAAAGTCCTTGAAGTTCAAAAAT -3’ |
| MOD-5TR | 5’-CGATAGCAGTTATTGTTAAAATC-3’ |
| CEH-2PF\* | 5’-CATTTTCGGTGGTCACGCA-3’ |
| MOD-5TR\* | 5’-AATCATTGTAACTGCTCAGCG-3’ |
| MOD-5TF\* | 5’-CGAAGTTCAAAAATCAACAGGATTC -3’ |
|  |  |
|  |  |
| **ADF primers:** |  |
| **srh-142p::tph-1RNAi** |  |
| SRH-142PF | 5’-GGTCGCGAGCTTTGATTTCCTT-3’ |
| SRH-142R:TPH-1PRS | 5’-CAGTACGAGTTGGTGTGAAATTGGCAAAAAGAAAAAAGAGGTGCAA-3’ |
| SRH-142R:TPH-1PRA | 5’-ATATTTGTGCAAAAAGAGTGATTATTGGCAAAAAGAAAAAAGAGGTGCAA-3’ |
| TPH-1TF | 5’-CTCTTCACACCAACTCGTACT -3’ |
| TPH-1TR | 5’-ACATAATCACTCTTTTTGCACAAATATCC-3’ |
| SRH-142PF\* | 5’-CTCCAGCTTGAAGGGAAATTG-3’ |
| TPH-1TR\* | 5’-CTTTTTGCACAAATATCCAAATCATAAATAC-3’ |
| TPH-1TF\* | 5’-CCAACTCGTACTGTTCGTCG-3’ |
| **srh-142p::ins-1RNAi** |  |
| SRH-142PF | 5’-GGTCGCGAGCTTTGATTTCCTT-3’ |
| SRH-142R:INS-1PRS | 5’-TCTGTAAACTTGACGAAACCAGTATTGGCAAAAAGAAAAAAGAGGTGC-3’ |
| SRH-142R:INS-1PRA | 5’-TCAAAACATTCTGCTGCAATCAGGATTGGCAAAAAGAAAAAAGAGGTGC-3’ |
| INS-1TF | 5’-ATGTACTGGTTTCGTCAAGTTTACAG-3’ |
| INS-1TR | 5’-TTATCGTCCTGATTGCAGCAGAATG-3’ |
| SRH-142PF\* | 5’-CTCCAGCTTGAAGGGAAATTG-3’ |
| INS-1TR\* | 5’-CTGATTGCAGCAGAATGTTTTGAG-3’ |
| INS-1TF\* | 5’-TGGTTTCGTCAAGTTTACAGACC-3’ |
| **srh-142p::osm-9RNAi** |  |
| SRH-142PF | 5’-GGTCGCGAGCTTTGATTTCCTT-3’ |
| SRH-142R:OSM-9PRS | 5’-ATTCACAGGCGGTACGGATGGCAAAAAGAAAAAAGAGGTGC-3 |
| SRH-142R:OSM-9PRA | 5’- TTCCTGGTTTCCTTCTCGCAAGGGCAAAAAGAAAAAAGAGGTGC-3 |
| OSM-9TF | 5’-atccgtaccgcctgtgaattgtt-3’ |
| OSM-9TR | 5’-CTTGCGAGAAGGAAACCAG-3’ |
| SRH-142PF\* | 5’-CTCCAGCTTGAAGGGAAATTG-3’ |
| OSM-9TR\* | 5’-GGAAACCAGGAAGATCGC-3’ |
| OSM-9TF\* | 5’-cgcctgtgaattgttaacaattttg-3’ |
| **srh-142p::mod-5RNAi** |  |
| SRH-142PF | 5’-GGTCGCGAGCTTTGATTTCCTT-3’ |
| SRH-142R:MOD-5PRS | 5’-TGAACTTCAAGGACTTTGTATattggcaaaaagaaaaaagaggtgcaa-3’ |
| SRH-142R:MOD-5PRA | 5’-ATTTTAACAATAACTGCTATCGattggcaaaaagaaaaaagaggtgcaa-3’ |
| MOD-5TF | 5’-ATACAAAGTCCTTGAAGTTCAAAAAT -3’ |
| MOD-5TR | 5’-CGATAGCAGTTATTGTTAAAATC-3’ |
| SRH-142PF\* | 5’-CTCCAGCTTGAAGGGAAATTG-3’ |
| MOD-5TR\* | 5’-AATCATTGTAACTGCTCAGCG-3’ |
| MOD-5TF\* | 5’-CTTGAAGTTCAAAAATCAACAGGATTC-3’ |
|  |  |
| **egl-47p::mod-5RNAi** |  |
| egl-47pf | 5’-actttttctttggaaacgttgagt-3’ |
| egl-47r:mod-5PRS | 5’-TGAACTTCAAGGACTTTGTATCTGATAAGGTTCATTCATTTTAAATACA-3’ |
| EGL-47P::MOD-5PRA | 5’-ATTTTAACAATAACTGCTATCGCTGATAAGGTTCATTCATTTTAAATACA-3’ |
| MOD-5TGF | 5’-ATACAAAGTCCTTGAAGTTCAAAAAT-3’ |
| MOD-5TGR | 5’-CGATAGCAGTTATTGTTAAAATC-3’ |
| EGL-47PF\* | 5’-AACGTTGAGTgtcttggag-3’ |
| MOD-5TGR\* | 5’-AATCATTGTAACTGCTCAGCG-3’ |
| MOD-5TGF\* | 5’-CTTGAAGTTCAAAAATCAACAGGATTC-3’ |