

A.

```

lin-3 allele1  CAATCTTCAACATCTGCCATTCTGCATTTCGATTCTTATCATCATGCTCATTATGTTTCATCGCCATCGTTGTCTACGCTTACAGAAGGTTCAATCATC
lin-3 allele2  .....T.....G.....

lin-3 allele1  CCACTTTATTAGTCAAGGAATTCATTTTCATTCAGAAATGTCCAAACGTGCAGATGACGTGACGTACACAATGAGTCATATGTGTCCACCAGAAGCCTTCA
lin-3 allele2  .....AA...A.....TA.....T.G.....

lin-3 allele1  CTGTCCTCAAACACCAAATGGAGCAGCATATTCCTGTCCATCAATTGACTTCTTCTTGTCTCAATCTGCCGGACCTTCCTCAGCAATTCATCAACTC
lin-3 allele2  .....

```

B.

```

fog-1 allele1  AAGCCTATAGCTACCCGGAGGAGAAGATCTACACTGCCGAAGACGTGCACACTGTCGTTAAGAATAATCGAGACTCGACGAAGCAGCGAATCGTTTCGAA
fog-1 allele2  .....A.....

fog-1 allele1  TAAGATATTCGTCGGTGGAAATTTCCCACTCAATGAATCGAGAGCTCATTAATACGTTCTTCGGGCAGTTTGGAACGGTGTGTTGTTGATTGGCCAGTCAAG
fog-1 allele2  .....C.....

fog-1 allele1  AAGAAGGGGAATAGTGAGT-----
fog-1 allele2  .....TCAGGCGCTGACCTTCAAATATTTTTTCCAAATTTAAAATGATGAGCTCATAAACATATCAAATGTGAATCTTGATGAG

fog-1 allele1  -----
fog-1 allele2  TTCTACGTGCATCACCGTCAGACTAACCGCCCTGATTAGATATCCAGGCTGCATTTGAGCCCAGACACTCTAGTTAGCCCATTTTGCTCTGTCAATGA

fog-1 allele1  -----
fog-1 allele2  TTCTACGTATCAGATATGTAAACTGAAAACGATCTACGTTTTTGTGGTTTTGTGAGCCCAAGGATGGGCAACAATTTTAGCCGGCGAGGCCGGCTTAT

fog-1 allele1  -----CCAGAAATTAGATTTTAAAGAAAATTC--AGACACCGGCTAGTCTAGTTGTGCATGTCAAATATAAAATTTTCATCATTCA
fog-1 allele2  ATTCATCCTTGTGTGAG...A.C.....GG..-..C.G..GC..AT....G..C.....-----.....C..TG.T...T.....

fog-1 allele1  TCTGATTCCAGCCCGCGCAAGTACGCCACCATCCAATCCTATTCCTATCTCTTCTGTTGATTCTGAAGAAGAGTCGGTTTTTCAAACCTGATGAATGCT
fog-1 allele2  ...A.....A.....A.....

fog-1 allele1  TGTACTCATTCCGGAAGTGAATTCCTTTGTAACCGTGCCAGGATGCAAAGAATCTCAA
fog-1 allele2  .....

```

C.

```

lin-7 allele1 ATGTATCTCAAAGTGTCTCCTCGCAGTGTTTCAGCAATTTTCGGAGCCTGCTCAAACCGCCAAAAACATACCATTCCGCGGAATATACCGAAATGATGGAG
lin-7 allele2 .....A.....A.....

lin-7 allele1 AAGTTGTGCGGAAAAACGATTTGCTTGTGAATCAGTTCAAATGAACTATCATCCCGATTGAACGTGAGTTTTTAAAAACTTATGGGCTTATCAACTTT
lin-7 allele2 .....C.....C...G.....A..

lin-7 allele1 TAGCGAAAAAATTTTTAAAA---AACGATAAATCCAATATCGGATACCTCAAGGGGGTTGAGAAAACATCGAACATGTTTTAAATGATTTTTTCAGTTT
lin-7 allele2 .....TTGGGC..A.C.GCTATT.G...CT.T.AG.T.TAGC.....T-.....C.....

lin-7 allele1 GATTTTTGACTAATATTGAAAAATGCGCACTAGTATCGGTGAAATCATTTGGAGCTCAAGTGAACATTGGCTGAAAATCGATATTTTCAGAGAAAAATC
lin-7 allele2 A.....A.....GT.G.....--G.G.T..CTCTGC..C.C.-----T....T.AA.C...C-----G...AT

lin-7 allele1 GAGTTTTTGCCGCTGAAAAAGCTTTTTTCCGTATTTTCTAAGCCTGTTTTTATAGGAGACCAATTCACCTTTACTCCCAGAAGCATCACATTCTACTTCTG
lin-7 allele2 ..CG...C..A...CT...-----...AA..-----A.....C-----A.T...-----TC.CC..G...ATA.T.GTAG.CT

lin-7 allele1 AATCAGGCTTAGGTACCCCAT-TGCCAAGTGTCAAATTTGGGTGCCCCCCCCCCCAACTAGTATAGAGCCTGAAAAGGTGATAACCACCGATTAACTA
lin-7 allele2 ....T.TTA..AA..A.TA..A..GA..A.C.G....AA..T.AA-----G..CA.TCTA.ATA.....A.....

lin-7 allele1 GATTGTGTAATAATGTGCCCTTCCAATGTCAAGCTAGAAAATTAGAGTTGTCCGAATCCTGTTTTAAACACAAATTTGTATATTCTGTCGATCAACTCAA
lin-7 allele2 .....T.....

lin-7 allele1 GTTATTTCAGGTATACTTTGAGAATGACCGTGGTGAAAGACTTCTCCGTGCTTATTGCGATGGAATTGTTCGAATCACTCGTGAAAAGTGTGATCCGGAT
lin-7 allele2 A.....A.....

lin-7 allele1 CTTGAATTGAGGAGATGAAGGCCTACGAGTACAGAAAAGATGTCGAATTGTACAAAATGACATTCAAT
lin-7 allele2 .....

```