```
(a) Gmet_R2001  (+) 1 0 1 0 1 0 6   1 0 1 0 8 6   ACATAATTATTGAGCGGTTCACGCGCACGCGCGCATGAACCGCTCATCCCCCCAAACAGAACATTTCTCCC
    Gmet_R2002  (+) 1 1 1 8 1 8 2   1 1 1 8 2 5 2   AACTTCTTATTCACCGGTTCACGCGCGTGCGCGCGTGAACCGGTGATCTACCCAAATGGAACATTCCTGCC
    Gmet_R2003  (+) 3 1 1 4 7 3 4   3 1 1 4 7 9 4   AACTCGTGATTGAGCGGTTCACGCGCGCACGCGCGTGAACCGCTCATCCTCCCGAATGGAACATTTCTACC
    Gmet_R2004  (+) 3 3 5 6 5 6 1   3 3 5 6 6 1 7   AACTCGATATTGAGCGGTTCACGTGC----GCGCGTGAACCGCTCATCTACCCCAAATAGAACATTTCGCTG

(b) Gmet_R4001  (+) 2 0 3 2 2 8   2 0 3 3 6 7   GGCACTTACAAAACTATTGCGGGACCGGTCTGCGTTGTTGCCGCTCGCTCGAAAGCTCAACGTACCAACGGGTACGCGTCGCTTCCTCGTTCGCTTGCGCCTAGCATCCCGGCCTCCTCATCACGTTTTGCAAATGCCTC
    Gmet_R4002  (-) 3 6 2 2 8 8   3 6 2 4 2 7   GGCTCATGCAAAACTACTGCGGGGCCGGTCTGCGTTGTTGCCGCTCACTCGAAAACTCAACGTACCAACGGGTACGCCTCGCTTCCTCGCTCGCTTGCGCCTAGCATCCCAGCCTCCTCATCACGTTTTGCATGAGCCTC
    Gmet_R4003  (+) 2 3 4 1 6 2 3   2 3 4 1 7 6 2   GGCACTTGCAAAACTATTGCGGTCCGGTCTGCGTTGTTGCCGCTCGCTTGCTCGAAAGCTCAACGTACCAACGGGTACGCTTCACTTCCTCGCTCGCTTGCGCCTAGCATCCCGGCCTCCTCATCACGTTTTGCACGTGCCTC
    Gmet_R4004  (-) 3 2 1 5 6 4 0   3 2 1 5 6 8 5   GGCTCTTGCAAAACTATTGCGGAGCCGGCCTGCGTTGTTGCCGCTC
    Gmet_R4005  (-) 3 8 0 2 6 5 2   3 8 0 2 7 9 1   GGCTGTTTGAAAACTATTGCGGGGCCGGTCTGCGTTGTTTCCGCTCGCTCAAAAGCTCAACGTACCAACGGGTACGCCTCGCTTTTTCGCTTGCTTGCGCCTAGCATCCCGGCCTCCTCACGACGTTTTTCAAACAGCCTG
    Gmet_R4006  (+) 3 8 3 7 6 0 8   3 8 3 7 7 4 6   GGCTCATGCAAAACTATTGCGTGGCCGGTTTGCGTTGTTGCCGTTCACTCGAAAGCTCAACGTACCGAGGGGTACGCCTCACTTCCTCGTTCTCTTGCGCC-AGCATCCCGGCCTCCCAATCACGTTTTGCACGTGCCTC

(c) Gmet_R5001  (-) 3 5 0 1 8 6   3 5 0 2 2 7   CGTAGGGGCAATTCATGAATTGCCCCTACA
    Gmet_R5002  (-) 8 1 9 5 9 0   8 1 9 6 1 9   CGTAAGGGCAATTCATGAATTGCCCCTACA
    Gmet_R5003  (+) 1 1 8 9 8 9 9   1 1 8 9 9 2 8   CGTAGAGGCAATTCATGAATTGCCCCTACA
    Gmet_R5004  (-) 1 1 9 0 3 1 3   1 1 9 0 3 4 2   TGTAGGGGCAATTCATGAATTGCCCCTACA
    Gmet_R5005  (+) 1 1 9 1 9 4 5   1 1 9 1 9 7 4   CGATTGGGCAATTCATGAATTGCCCCTACA
    Gmet_R5006  (-) 1 2 8 1 3 0 5   1 2 8 1 3 3 4   CGTAGGGGCAATTCATGAATTGCCCCTACC
    Gmet_R5007  (-) 2 7 2 4 8 1 5   2 7 2 4 8 4 4   CGTAGGGGCAATTCGTGAATTGCCCCTACG
    Gmet_R5008  (-) 3 5 2 1 2 9 2   3 5 2 1 3 2 1   CGTAGGGGCAATTCATGAATTGCCCCTACA

(d) Gmet_R6001  (+) 5 2 2 3 6 3   5 2 2 4 7 0   -TAGCCACAGAGGACACAGAGCGCACAGAGAATGGCTTTTGGCCCATGAGTCTT-
                (-)                             TTTGCCACAGAGATCACAGAGGACACAGAGAAAAAGGAAACAAACTCCGTTTTCC
    Gmet_R6002  (+) 8 1 8 4 1 1   8 1 8 4 8 5
                (-)                             TCTGCCACAGAGGGCACAGAGAACACAGAGAAAAAACGCGGAAGGAAAGGCTGGCTTCCGGCTTCCGCGCTTGAA
    Gmet_R6003  (+) 1 9 2 9 9 8 3   1 9 3 0 1 2 9   -TAGCCACAGAGGCACAGAGCACACAGAGAGAGACAAAGCCGTAAGATCCTTTCAGTCTAATAACCCAAAATC
                (-)                             TTTGCCACAGAGGTCACAGAGAAAACCAGTAAACCTTTAAGGCCCGGCTCGCTAACACCGCAGTACGTATAGG
    Gmet_R6004  (+) 3 8 4 7 0 9 5   3 8 4 7 2 3 4   TTTGCCACAGAGGTCACAGAGGACTCAGAGAAAACCAGCATCAAAAAAAATACGCCCGAAGTTACCCTCT-
                (-)                             -TAGCCACAGAGGACACAGAGAGCACAGAGAAACAACGCCCACTTACCCTGTACTCTCGGCA

(e) Gmet_R7001  (+) 9 6 0 0 2 2   9 6 0 1 9 8   GAAAGGAGCGGAGCTCTCGCTCCGAACCGATCCAGCGTCACTAGCCGGTCTTCGTGGCATGTGAACAGCTATTCCCGAGGCTTTCCCTCCGCTGATACCGGAGGTGGTTTCTTGCGGGGATCGGTTCTCCGCGAGAGCTCCGCCCCTTCCGGGAACCAGTGGTGGGAAAGGTGACAA
    Gmet_R7002  (-) 1 3 5 7 6 2 3   1 3 5 7 7 9 9   GGGAGGGGCGGAGCTCTCGCTCCGAAGCGATCCAGCGTCACCAGCCGGTCTTCGTGGCACGTGAACAGCTGATCCCGGGGCTTTCCCTCCGCTCATGCCTGAGGTGGTTTTTTGCGGGGATCGCTTCTCCGCGAGAGCTCCGCCCCTTCCGGGAACCAGTGGTGAAAAAATGCGCCGA
    Gmet_R7003  (-) 2 3 7 7 9 2 8   2 3 7 8 1 0 4   GGAAGGGGCGGATCTCTCGCTCCGAAGCGATCCAGCGTCACCAGCCGGTCTTCGTGGCACGTGAACAGCTATTCCCGGGGCTTTCCCTCCGCAAACCGCCGTAGGTGGTTTTTTGCGGGGATCGCTTCTCCGCGAGAGCTCCGCCCCTTCCGGGAACCAGTGGTGGAAAATGTGACAT
    Gmet_R7004  (-) 2 4 2 4 5 6 0   2 4 2 4 7 3 6   GGAAGGGGCGGAAACTCTCGCTCCGAAGCGATCCAGCGTCACTGGTCGGTCTTCGTGGCACGTGAGCCGCTATTCCCGAGGCCTTCCCTCCGTTCATGCCGGCGGTGGTTTTTTGCGGGGATCGCTTCTCCGCGAGAGCCCGCCCCTTCCGGGAGCCAGTGGTGGATAATGTGACAA
    Gmet_R7005  (-) 2 4 4 7 3 4 8   2 4 4 7 5 2 4   GGCAGGGGCGGAGCTCTCGCTCCGAAGCGATCCAGCGTCACCAGCCGGTCTTCGTGGCACGTGAACAGCTGTTTCCGAGGCTTTCCCTCCGCAATACCGAAGGTGGTTTTTTGCGGGGATCGCTTCTCCGCGAAGACCCGCGGTGGAAGATGGGGCAA
    Gmet_R7006  (-) 2 7 6 6 3 0 4   2 7 6 6 4 8 0   GGGAGGGGCGGGACTCCCGCTCCGAACCGATCCAGCGTCACCAGCCGGTCTTCGTGGCACCTGAGCAGCGGCTTCCGAGGCTTTCCCTCCGCTAATTCCATAGGTGGTTTTTTGCGGGGATCGCTTCTCCGCGAGAGCCCCGCCCCTCCCGGGAACCAGTGGTGGCAAATGCGATAA
    Gmet_R7007  (-) 3 0 7 1 5 3 0   3 0 7 1 7 0 6   GGAAGGGGTGGAACTCTCGCTCCGAACCGATCCAGCGTCACCAGCCGGTCTTCGTGGCACGTAAACAGCTATTCCCTCCGCTAGTGCCTAAGGTGGTTTTTTGCGGGGATCGCTTCTCCGCGAGAGCTCCACCCCTTCCGGGGACTAGCGGTGGAAAATGTGACAT

(f) Gmet_R8001  (+) 1 4 7 8 4 0 5   1 4 7 8 4 8 6   TAGATGTTGTATTTGCCGATCTTTGCGTCCACCGGGCCGACAC---TGCGGTCCATCACGGGGTGTATCGGGTGAAGTAAGGGTA
    Gmet_R8002  (-) 1 4 7 8 7 2 4   1 4 7 8 8 0 5   TCGATGCTGTTGCTACCGACCTTGCCGCCCACCGCGCCGACAC---CGAGGCGCATCATGGGGTGTATCGGGTGAAGGAAGGGTA
    Gmet_R8003  (+) 1 4 7 9 2 0 5   1 4 7 9 2 8 8   TCGATGCTGTTGCTGCCGATCTTTACCTTCACCGGGCCGACACCGCGTCATCACGGGGTGTATCGGGTGAAGGAAGGGCTA
    Gmet_R8004  (+) 1 4 7 9 9 9 3   1 4 8 0 0 7 4   TCAGCGCCGTTGCAGCTGATCTTTCCGCCCACCGGTGCGACGC---CGAGGCGCATCATGGGGTGTGTTGGGTGAAGGAAGGATA

(g) Gmet_R9001  (+) 2 8 2 8 9 3 4   2 8 2 9 0 1 8   TGAGTACCGGGAAGGGGACGTAGTTGATTTGTTGATTTAAGCGTTGAGTTAGTCAACTAATCAACTACGTCCCCCGATAGACCCC
    Gmet_R9002  (+) 2 8 3 2 8 3 5   2 8 3 2 9 1 9   TGGGGGCTGGGAAGGGGACGTAGTTGATTTGTTGATTTAAGCGTTGAGTTAGTCAACTAATCAACTACGTCCCCCGATAGACCCC
    Gmet_R9003  (+) 2 8 3 3 7 6 6   2 8 3 3 8 5 0   TGGGGGCTGGGAAGGGGACGTAGTTGATTTGTTGATTTAAGCGTTGAGTTAGTCAACTAATCAACTACATCCCCCGATAGACCCC
    Gmet_R9004  (-) 2 8 7 6 3 7 4   2 8 7 6 3 9 7   ----------AAGGGGACGTAGTTGATTTGTTGA----------

(h) Gmet_R0064  (+) 1 6 9 9 4 3   1 7 0 1 0 0   TGACGGATAGCCGCCGCCGACGGAGCGACGCTTGATGCCGAGCGCCAGCCGCTGTAGCGAAATGGAGCGTCCAGTGGCCTGTTTGTTTGAACCCAACAGGGTGAGTTACAGGCCGCTAGCGAAATGAGCTGTACAGCGGCGGTGCGAGCGGCACTCGGAGCG
    Gmet_R0066  (-) 2 8 9 1 6 3   2 8 9 3 1 3   TGAGCGCCGTGGGCCATGCGAAGCGAATGTGCCCGAGCGCCAGCCGCTGTAGGCGAAATGGAGCAAAGCCGACCCATCGTGTCTGAGCCCGCAGGGCGAGTTGATGGGGCGGCGCGGAA-TGAGCCCTACAGCGGCGGTGCGAGCGGCACTTTGAGCG

(i) Gmet_R0068  (+) 3 5 2 4 5 5   3 5 2 4 8 1   GACTTATCCACACCCGCCGTGGAAAGC
    Gmet_R0094  (-) 1 8 0 8 3 8 9   1 8 0 8 4 1 5   GACTTATCCACACCTGCCGTGGAAAGC

(j) Gmet_R0074  (+) 7 9 0 9 9 4   7 9 1 0 4 2   CAGCGTCTCCAACGGCAAAATCAGGGTCGGGGTCGGTCCGATCTGATTT
    Gmet_R0075  (+) 7 9 3 7 4 0   7 9 3 7 8 8   CAGCGTCTCCAACGGCAATATCGGGTCGGGGTCGGCCCGAGCTGATTT

(k) Gmet_R0091  (+) 1 5 1 4 3 1 1   1 5 1 4 3 3 5   GAAAGGCGGGAGCGATCCCGCCTTT
    Gmet_R0114  (+) 2 6 8 2 4 0 4   2 6 8 2 4 2 8   GAAAGGCGGGAGCGATCCCGCCTTT

(l) Gmet_R0097  (+) 1 9 1 1 0 9 3   1 9 1 1 1 4 8   ATTTCA-AAGAA-CACGACAGCCCCACTAAAAACTTGCTGGAGTTGAGCGGTTAGTTG
    Gmet_R0099  (+) 1 9 1 2 9 8   1 9 1 3 0 5 5   ATTTCAGAAAAACCACGACACACCCACCAGAAACTTGCTGGAGTTGAGCGGTTCGTTG

(m) Gmet_R0105  (-) 2 2 4 1 9 8 6   2 2 4 2 1 0 1   AACTAATCACGAAAGCACGAAAGGTCGAAAGCACGAAAAAAGGCACAAA-CTCTCCGAACCTTA----CTTTG-----TTTTTCGGGTTT---CAATTTCGTGCTTTCGTGATCAAAG
    Gmet_R0106  (+) 2 2 4 2 4 7 6   2 2 4 2 4 7 9   AACTCTCACGAAAGCACGAAAGGTCGAAAGCACGAAAAAGGCACAAA-CTCTCCGAACCTTAAAACACACAAAGAGGCTAAAGGTCTTGGGGTTTATTTTTCGTGTTTTCTCAATTTCGTGCTTTCGTGGTGAAAG
    Gmet_R0107  (-) 2 2 4 6 9 8   2 2 4 7 1 0 2   AACTAATCACGAAAGCACGAAAGGTCGAAAGCACGAAAAAAGGCACAAA-CTCTCCGAACCTTA----CTTTG-----TTTTTCGGGTTT---CAATTTCGTGCTTTCGTGATCAAAG

(n) Gmet_R0110  (+) 2 4 4 1 1 2 1   2 4 4 1 1 4 7   AAGGCCGGCAGCAATGCCGGCCTTTTT
    Gmet_R0111  (+) 2 4 4 9 4 7 1   2 4 4 9 4 9 7   AAGGCCGGCAGAAATGCCGGCCTTTTT

(o) Gmet_R0126  (-) 3 0 7 9 2 9 3   3 0 7 9 4 1 4   CCCTTGGCACGGTAATCGCTCCCTTGCATTTCTCCCGACACCTCTGCTATCAATGATGACAGCCGGGCCGACCAGCCCGGCTGTCGTGCGTCTGGAGCACCGATTCAACCGTTTCGAGGATT
    Gmet_R0127  (-) 3 0 8 0 7 7 0   3 0 8 0 8 8 9   CCCTTGGCACGGTAATCGCCTTCTCGTATTTCGCCTGATACCTCTGCTATCAATGATGACAGCCGGGCCGACCAGCCCGGCTGTTGTGCGTTTTGAGCACCGATTT-GCCGTTTCGA-GATT

(p) Gmet_R0146  (+) 3 8 9 3 1 9 0   3 8 9 3 2 5 8   CCAGCAGAAAGCGCCGCAGGGTTAACAACCTGCGGGAACAATTCATTCTCCTGTAGCTCAGTCGGTAGA
    Gmet_R0147  (+) 3 9 1 0 7 2 4   3 9 1 0 7 6 9   CCAGCAAAAAGCACCGTAGGGTTAACAAGGGTCCGGAAACAACTCATTCCCCCAGTAGCTCAGTCGGTAGA
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