```
                                         1        10        20
GELK01048600.1               ...................................................
GELK01048601.1               ...................................................
GELK01048602.1               ...................................................
MMETSP0253-20130528|6017_1   ...................................................
MMETSP0253-20130528|9206_1   .........NCTCTGAAGGCCGTGAGGGCCGTGAAAGCCGTGAAAGCCGTG.........
MMETSP0253-20130528|12949_1  ..........................................CCGTCAAAGCTGA...........
MMETSP0253-20130528|38973_1  ...................................................
MMETSP0253-20130528|44304_1  ...................................................
MMETSP0253-20130528|34991_1  CAGCGAGAGATTATGGCGCGAACGAAGCCAATGAAAGTTTTGAAGCTGAAGGGTAAGAGT


                                                                      1        10        20
GELK01048600.1               .................................................GCAGGTTGTTTGTTTCTTTGA
GELK01048601.1               .................................................GCAGGTTGTTTGTTTCTTTGA
GELK01048602.1               .................................................GCAGGTTGTTTGCTTCTTTGA
MMETSP0253-20130528|6017_1   ..................................................ATGGTGACCCCGAGG
MMETSP0253-20130528|9206_1   .....AAGGCGTCTTCGAAGGCCAAGCCCACGC.........................
MMETSP0253-20130528|12949_1  ..........TGCCGAAGGGGGTTGTCAAAGGGA.......................
MMETSP0253-20130528|38973_1  ....NTGAGGAGCACGGCACAGACGTCCCAGAGTGACGCGCGTGCAAAGTC.........
MMETSP0253-20130528|44304_1  ...................................................
MMETSP0253-20130528|34991_1  TCTGGAGAGGCACGCGCCAAGAAGGTCGCAATGCTCACCGCCAGCAGTGTCTCCGTTGCA


                                  30        40                            50
GELK01048600.1               CCAA...CGATGGCTTTGAAGAGGCCATC................AGGGAAAGCAG.....
GELK01048601.1               CCAA...CGATGGCTTTGATGAGGACATC................CGGGAAGGCAG.....
GELK01048602.1               CCAA...CGATGGCTTTGAAGAGGCCTTC................AGGGAAGGCAG.....
MMETSP0253-20130528|6017_1   AAAC...CGACCGTGTTGAAGCGACCAGCCGCCATAGAGACGGCCGTGGTGAAGC.....
MMETSP0253-20130528|9206_1   ...........................................................
MMETSP0253-20130528|12949_1  ...........................................................
MMETSP0253-20130528|38973_1  ...........................................................
MMETSP0253-20130528|44304_1  ...N...TGATGGCGCTGATG......AA..............CAAGAGGCCTT.....
MMETSP0253-20130528|34991_1  AGACTGGCTAAGGTGGCCTTGCGGACAGCCAATGCCGCGAGAGCCATGAAAGCTCAGCCA


                                     60             70        80        90
GELK01048600.1               ..................CACCAGCAAT.........GAAGGACAGTTCCAAGGCGGCC
GELK01048601.1               ..................CATCAGCAAC.........GAAGGGCAGTTCCGAGGCGGCC
GELK01048602.1               ..................CACCAGCAAT.........GAAGGGCAGTTCCAAGGCCGTC
MMETSP0253-20130528|6017_1   ..................AGTCGACGAA.........AGTGTCCAGGAAGGTCACGACC
MMETSP0253-20130528|9206_1   ...........................................................
MMETSP0253-20130528|12949_1  ...........................................................
MMETSP0253-20130528|38973_1  ..................CAAGCTCACA...............................
MMETSP0253-20130528|44304_1  ..................CGCGTTCGTC.........CTTGTCGACTGAGAAGAAGAGT
MMETSP0253-20130528|34991_1  ATGAAGAGGACGAGGGTTTCAACTTCGACAAAGACGAAGAAGTCGACGAAGAGAAAGGCC


                                  100       110                         120
GELK01048600.1               ATGAAACCCAGCATGAAGGGGA........................AGAAACCGAGC
GELK01048601.1               ATGAAACCCAGCATGAAGGGGA........................AGCGGCCGAGC
GELK01048602.1               ATGAAGCCCAGCATGAAGGCGA........................AGAAACCGAGC
MMETSP0253-20130528|6017_1   AAGACGAAGGTGATGAAGGAGA........................GCAGGGTGAGC
MMETSP0253-20130528|9206_1   ...........................................CGAGGGTCTCC
MMETSP0253-20130528|12949_1  ...............................................AGTGCGCAGCC
MMETSP0253-20130528|38973_1  ...........AAGAAAAAAAACGTCGCTTGCCAGGC...................A
MMETSP0253-20130528|44304_1  ATGAAGGTGAGCATGAAGGTCA........................AGAGGCCAAGC
MMETSP0253-20130528|34991_1  ATGAAGACGGCCATGAAGAAGGTCATGAAATCCTTGGCAGCCCGGAAGCCTCGAGGTTCG


                                  130       140       150       160       170       180
GELK01048600.1               GCAATTGCCAGAGGAAGCCGCATGTACGCGGCTGTGTTCTCGGGCAGGAAGGAGAAGACG
GELK01048601.1               GCCATCGCCAGAGGAAGTCGGATGTACGCGGCTGTGTTCTCGGGCAGGAAGGAGAAGACG
GELK01048602.1               ACAATCGCCAGAGGAAGTCGCATGTACGCGGCTGTGTTCTCGGGCAGGAAGGAGAAGACG
MMETSP0253-20130528|6017_1   AAGATCGCCCGTGGAGTTCGGATGCGTGCCGCCGTTTTCAGAGGCCTAAAGGACAAAACG
MMETSP0253-20130528|9206_1   AAAGTGGCACCGAGGTCGATACGCAAAGGTTCTGGTGCTGAGAGGTCGCAAGGAACGCACA
MMETSP0253-20130528|12949_1  AAGGTCGCCCGAGGGCGTGGTGCGAAGGCGCTGGTCCTCAATGGTCGCAGGGAGAGAACG
MMETSP0253-20130528|38973_1  AACTACAAACGCAAGGGTTGGGCAATGAGACTGGTCTTCAATGGCACGAAAGAAAAAACT
MMETSP0253-20130528|44304_1  GTGGTGGCCCGAGGAAGCCGCATGCGCGTTGCCGTCTTCTTGGGTCGAAAGCACAAGACG
MMETSP0253-20130528|34991_1  AAGATTGCCAGAGGCAGCATGGCCAAGGTTCTTGTGTTCAGGGGAAAAAAGGTGAAGACG
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                                190       200       210       220       230       240
                                .         .         .         .         .         .
GELK01048600.1              TACACGGGCTTGACCAAGTCGGACCTCCAACGCAATTCCTACAACCGTATTGTTTCGAAA
GELK01048601.1              TACACGGGCTTGACCAAGTCGGACCTCCAACGCAATTCCTACAACCGTATTGTTTCGAAA
GELK01048602.1              TACACGGGCTTGACCAAGTCGGACCTCCAACGCAATTCCTACAACCGTATTGTTTCGAAA
MMETSP0253-20130528|6017_1  TATACGGGTTTGAAAAGAACCGACCTCAAAATGAACAGGAAAGGTAAGATCGTGCCGAAG
MMETSP0253-20130528|9206_1  GCAGGGGGGCTGAAGGCTGACAATCTTCTTCAAGAACAAACGTGGCAAGGTGGTCTCAAAA
MMETSP0253-20130528|12949_1 GCGGGAGGTCTGAAGGCCGACATGTTTGATGAGGAACCGCAGTGGAAAAGTGGTCTCGAAG
MMETSP0253-20130528|38973_1 TCTGGAGGGCTCAAGAAGTCTGACTTTGATGAAGAACAAGGCGGGCAGAGTGGTAAGCAAG
MMETSP0253-20130528|44304_1 TACACTGGCTTGACCAAGAACGATTTGATGAAAAATGCGGACGGCAGGATTGTGTCGAAG
MMETSP0253-20130528|34991_1 TCGGGTGGTATGACGGCCGACATGCTCATGATAAACAAGCGTGGCGGGTGGTGTCCAAG


                                250       260       270       280       290       300
                                .         .         .         .         .         .
GELK01048600.1              CGGCGATCGGCGCTCGCCAAGAAGCGGTACCAGGGGAGCCGGTTCCAACGGTGGATCCAG
GELK01048601.1              CGGCGATCGGCGCTTGCAAAGAAGCGGTACCAGGGGAGCCAGTTCCAACGATGGATCAAT
GELK01048602.1              CGGCGATCGGCGCTTGCAAAGAAGCGGTACCAGGGGAGCCAGTTCCAACGATGGATCAAT
MMETSP0253-20130528|6017_1  AAAAGGTCTGCACTGGGCAAAAAAAAACTTCAAAGGAAGCAAGCTTGAGGCGTGGGGGAAA
MMETSP0253-20130528|9206_1  AAAGCGAGTGCAGCAGGCCAG......CGACAGTACAGAAACATTGAGGCGTGGGTGGAG
MMETSP0253-20130528|12949_1 CGGGCCAGTGCAGCTGGGCGA......CGCAATTTCGCCAAAATTGAGCCATGGCTGCAG
MMETSP0253-20130528|38973_1 AAGATGCATGCGAATGGGAAGCTTCGCTATGCAAGGAACGGCTTGGACGCCTGGAGCCGT
MMETSP0253-20130528|44304_1 CGCAGTTCGGCGTTGTCCAGGAAACGTTGGGTTGGCAGCAGGTGTCAGGAATGGAACAAG
MMETSP0253-20130528|34991_1 AAAAAGCATGCCCTTGGCGTA......CACTTCTTCTGTCGCATCAGCACCTGGGTCGAT


                                310       320       330       340       350       360
                                .         .         .         .         .         .
GELK01048600.1              GCGGCTGCTGTTGCGCGGAAGGAGCTCAATGTGACCGGCTTCGTGGCGGTGAATTCGTCC
GELK01048601.1              GCGCTTGCAGTTGCGAGGAATGAGCTCAATTTGACCGGTTTCGTGCCCAGTGAATTCGTCG
GELK01048602.1              GCGCTTGCAGTTGCGAGGAAGGAGCTCAATCTGAGTGGCTTCGTGCCAGTGAATTCTTCG
MMETSP0253-20130528|6017_1  GCTTGCACAGCCGCGCGCAAGGAGCTCAACATCGTTGGTTTTGTCGCCATGGATTCGACA
MMETSP0253-20130528|9206_1  GCGCACATGAGTGCGCGAGCGGCCCTCAGGGTGACGGGCTTCGCTCCTCTCAACGGACGG
MMETSP0253-20130528|12949_1 GCTGTGATGACTGCCCGCGAGTGTCTCCGGGTGACGGGTTTCGTTGCAATCAACGGGCGC
MMETSP0253-20130528|38973_1 GGTCTTGTGGAGGCCAGGAGAGAGCTCAACTTGAAGGGGTTTGTGGCAGTGAGAGGCAAG
MMETSP0253-20130528|44304_1 GCCGTCGTGGCCGCAAGGAAGCAACTCAGCCTCGTTGGTTTCGTGGCAGTAAATTCGCCC
MMETSP0253-20130528|34991_1 GCCGTCTTGGAAGCGCGGAAGCAACTCAACATCGTCGGGTTCGTGCCTATCAACGGCAAG


                                370       380       390
                                .         .         .
GELK01048600.1              AGTGTTCAGGGGAGGGCTTTGTTCTCGAAAGCCC...|.........|..............
GELK01048601.1              ACGGTTCAGGGGGAGGGCTTTGTTCGTGAAAGCCAGAGCCATCTACCGTGACGCCGCATGA
GELK01048602.1              ACGGTTCAGGGGGAGGGCTTTGTTCGTGAAAGCCAGAGCCATCTACCGTGACTCCGCATAA
MMETSP0253-20130528|6017_1  C...CCCAGGGGACGTGCTTTGTATGCGAAGACAAAAGGCCATCTACACAGNN..........
MMETSP0253-20130528|9206_1  ACCCTCACAGGAAAAGGCGCTGTACGTGAAGACTCGGGCGCTCTACGCCGCGAGTCGCCAG
MMETSP0253-20130528|12949_1 ACCTTGCAGGGCAAGGCACTGTACGTCAAGTCGAGGGCCATCTACGGATCGGGCGTCAAG
MMETSP0253-20130528|38973_1 AGCAAGGATGGCACATCGGACAGCCAGTCTGGAACTTCTCTGTACGCACG....CGTTGC
MMETSP0253-20130528|44304_1 TCACCGCAGGGGACGAGCATTGTATGTCAAGGCCCGGTCCATCTTCACTGGCGCGGCTTGA
MMETSP0253-20130528|34991_1 ACGCTGGCGGGGGAGAAGCTTGTACGTGAAGAGTAGAGCCATCTACGCAGCCAGACGTGCC


GELK01048600.1              ................................................................
GELK01048601.1              AGTGATGTGGAGTCTTT...GTAAGCATCAATTCAATGCC.ATGAACGGTTGCACGTTTG
GELK01048602.1              GGATGTGGGAACTCTCT...GTGAGAGAAACTGCGATGCA.GTTGGCGGGTGCACGCTTG
MMETSP0253-20130528|6017_1  ................................................................
MMETSP0253-20130528|9206_1  GGCAGGTGA.......................................................
MMETSP0253-20130528|12949_1 GGGACTGAGGCTGATCCAGTGTCATCTTCAGCGGCGGCCAGCGCGGGTGGTGACACCATG
MMETSP0253-20130528|38973_1 CGAGCTGTACGCT......GGAGAGATAAGTGCTAGGAT..........GAACAACTTG
MMETSP0253-20130528|44304_1 ................................................................
MMETSP0253-20130528|34991_1 ................................................................


GELK01048600.1              ................................................................
GELK01048601.1              TACAGTTGGCACGCACTTGGGTGCCGCGAACACTATTTCTTCTGGTCTGGAGGTGCAGTT
GELK01048602.1              TACAGCTTCGTGTCAC..............ACGTATTTCACCAGGTCTCGAGGTGCAGCT
MMETSP0253-20130528|6017_1  ................................................................
MMETSP0253-20130528|9206_1  ................................................................
MMETSP0253-20130528|12949_1 TCGAGCTTGGCGAAGCGGGGCTGTTCTGATGGAGGCCTCATCTTGAATTGGCGCGTGGTT
MMETSP0253-20130528|38973_1 CTTCGGTTGGTGGGGAGCCAATGTCGTGTTCCGTCCTTGAGCCTGGA......AGACA..
MMETSP0253-20130528|44304_1 ................................................................
MMETSP0253-20130528|34991_1 ...............................................................CAGTCCGT
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GELK01048600.1              ..........................................................
GELK01048601.1              TGTGGGTGGATTCCACACAGGTGTCTGAGATCCTTATGATGATGAAAAAAAAA
GELK01048602.1              TGTGGGGGGATTCCACACAGGTGCGTGAGATTCAGAGATGATGG.........
MMETSP0253-20130528|6017_1  ..........................................................
MMETSP0253-20130528|9206_1  ..........................................................
MMETSP0253-20130528|12949_1 GTTCGAGGGTGGTCGAGCGGCCACATTTGCCNN....................
MMETSP0253-20130528|38973_1 ..CGGATGC.........CCTCTTGTGCAAGGCGG......AGGATACATGA.
MMETSP0253-20130528|44304_1 ..........................................................
MMETSP0253-20130528|34991_1 GATGGAAGCCTTGC....AACTGGATTGA........................
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