

EMBOSS Needle

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Results for job emboss_needle-l20190627-171709-0511-72790635-p1m

```
#####
# Program: needle
# Rundate: Thu 27 Jun 2019 17:17:11
# Commandline: needle
# -auto
# -stdout
# -asequence emboss_needle-I20190627-171709-0511-72790635-plm.asequence
# -bsequence emboss_needle-I20190627-171709-0511-72790635-plm.bsequence
# -datafile EDNAFULL
# -gapopen 10.0
# -gapextend 0.5
# -endopen 10.0
# -endextend 0.5
# -aformat3 pair
# -snucleotide1
# -snucleotide2
# Align_format: pair
# Report_file: stdout
#####
```

```
#=====
#
# Aligned_sequences: 2
# 1: 1338
# 2: 1338
# Matrix: EDNAFULL
# Gap_penalty: 10.0
# Extend_penalty: 0.5
#
# Length: 445
# Identity:      56/445 (12.6%)
# Similarity:    56/445 (12.6%)
# Gaps:          388/445 (87.2%)
# Score: 276.0
#
#
#=====
```

```
1338      1 CCTACGGGCGGCTGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGAT      50
1338      1 -----                                0
1338     51 GCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCTCTTTC      100
1338      1 -----                                0
1338    101 AGTAGGGAAGAAGCGAAAGTGACGGTACCTGCAGAAGAAGCGCCGGCTAA      150
1338      1 -----                                0
1338    151 CTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTATCCGGAA      200
1338      1 -----CCGGAA                                6
1338    201 TTATTGGGCGTAAAGAGCTCGTAGGCGGGTTGTACAGTCTGCCGTGAAAG      250
1338      7 TTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTACAGTCTGCCGTGAAAG      56
1338    251 T-----                                251
1338      |
1338    57 TCCGGGGCTTAACCCCGGATCTGCGGTGGGTACGGGCAGACTGGAGTGCA      106
1338    252 -----                                251
1338    107 GTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAG      156
1338    252 -----                                251
1338   157 GAGGAACACCGAATGGCGAAGCGCAGCTCTCTGGGCTGTTACTGACGCTGAG      206
1338   253 -----                                251
1338   254 GATTAGATACCCAGTAGTC      251
```

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