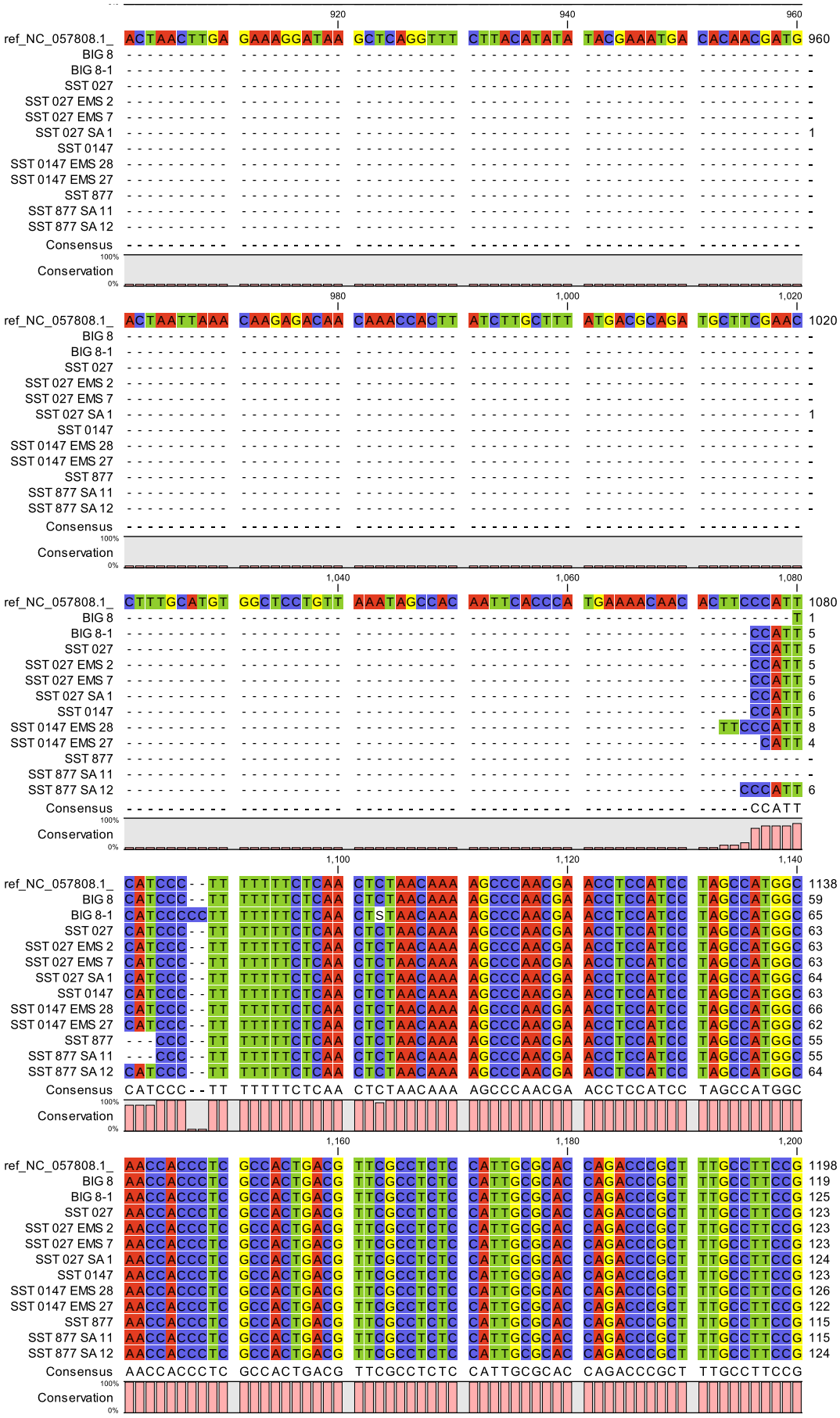
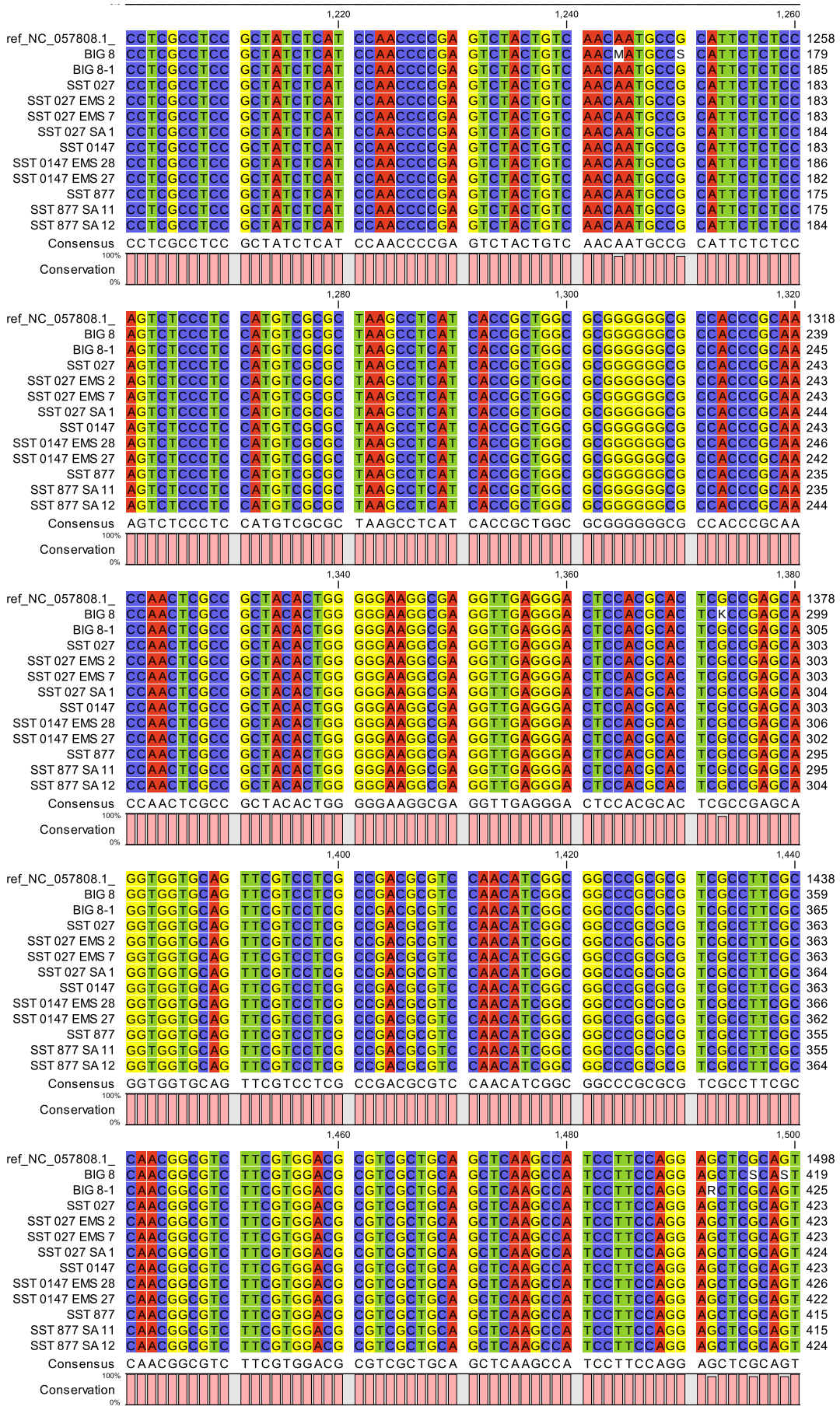
```
                                   20                                  40                                  60
                                    |                                   |                                   |
ref_NC_057808.1_  TTATGATGTA  AAAACAATCT  CTAAATTGCT  GTTGTACAAA  AACTTGTATA  AAGGTGTATG  60
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      A---------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   80                                 100                                 120
                                    |                                   |                                   |
ref_NC_057808.1_  AATATAACAT  GAAATAAAAG  TGAAATACGA  AATAATAGTA  GTAGCGCGGG  CTGAGAAAAG  120
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                  140                                 160                                 180
                                    |                                   |                                   |
ref_NC_057808.1_  CGCTACTATT  AATTACCAGT  AGCGCTCTTT  AGTGAAAGCG  CTACTACTAA  GTCGATATAG  180
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                  200                                 220                                 240
                                    |                                   |                                   |
ref_NC_057808.1_  CAGTAGCGTG  GATTAACAGA  CGCTACTGCT  AACCTTTAGC  TGTAGCGCCT  TACTAGTAGC  240
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                  260                                 280                                 300
                                    |                                   |                                   |
ref_NC_057808.1_  GCCGTACCCA  GCGCTACTGA  TAGGCATTAT  TCCCGCGCTA  CTGCTAGGGT  TTTCCCTAGT  300
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                        320                                     340                                     360
ref_NC_057808.1_  AGTGTAGATA  GATCTTGTGT  GATTGTAGGA  ATTGTTTTTG  AAATTACTGT  GTTCCCCAAC  360
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        380                                     400                                     420
ref_NC_057808.1_  AAAGGCGTGT  AGCAAACTCC  ACATAAATCA  AATGTTCTAG  GGTAACTAGC  AAAAGTGATG  420
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        440                                     460                                     480
ref_NC_057808.1_  AAAAGCACGT  ATTATCAGTT  TTGTCATCTT  CTAGGGATAG  CGTTGGATAT  ACAGCAGTGT  480
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        500                                     520                                     540
ref_NC_057808.1_  CGTCCGTTGG  ATCATAAACA  TTAATTTGAC  GACAAGTTAA  GCCCACACCC  CACGGCAAGT  540
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        560                                     580                                     600
ref_NC_057808.1_  CATGCAAATC  CCAATTAGGC  TTTGTCATGC  AATATTGTGC  AAATCCTCTT  TTCTAGTTAG  600
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                   620                                 640                                 660
ref_NC_057808.1_  GACTTTACAC ACGGGTATAG CTATCTCAAG CTTGGAATTT AGTACTACGA ACCAGCTGTG 660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   680                                 700                                 720
ref_NC_057808.1_  TGGCGCAAAT CCTAATTATG CTATGCCATG CACATCTTCT TTACTAGTTA CAACTTTACA 720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   740                                 760                                 780
ref_NC_057808.1_  GGTTGGCACC GCTATCTCAA GCTTGGAATT CAGTATTGCT AATCAGTTGT GTGATTTTAA 780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   800                                 820                                 840
ref_NC_057808.1_  GAAAAACGATC AATGCTTCTA AAACGATCAG TTAAAAAGGTT ACGAGGCGCG TAGTGATCTC 840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   860                                 880                                 900
ref_NC_057808.1_  CCACAAATCC GATGTTCTAC AGAACTCAGA CGTACGGGAA GATCAGACCG AAAGCGCCAC 900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```


920 940 960
ref_NC_057808.1_ ACTAACTTGA GAAAGGATAA GCTCAGGTTT CTTACATATA TACGAAATGA CACAACGATG 960
BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 28
SST 0147 EMS 27
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%
980 1,000 1,020
ref_NC_057808.1_ ACTAATTAAA CAAGAGACAA CAAACCACTT ATCTTGCTTT ATGACGCAGA TGCTTCGAAC 1020
1,040 1,060 1,080
ref_NC_057808.1_ CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 1080
1,100 1,120 1,140
ref_NC_057808.1_ CATCCC--TT TTTTTCTCAA CTCTAACAAA AGCCCAACGA ACCTCCATCC TAGCCATGGC 1138
1,160 1,180 1,200
ref_NC_057808.1_ AACCACCCTC GCCACTGACG TTCGCCTCTC CATTGCGCAC CAGACCCGCT TTGCCTTCCG 1198


1,220 1,240 1,260
ref_NC_057808.1_ CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 1258
BIG 8 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACMATGCCS CATTCTCTCC 179
BIG 8-1 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 185
SST 027 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 183
SST 027 EMS 2 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 183
SST 027 EMS 7 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 183
SST 027 SA 1 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 184
SST 0147 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 183
SST 0147 EMS 28 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 186
SST 0147 EMS 27 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 182
SST 877 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 175
SST 877 SA 11 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 175
SST 877 SA 12 CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC 184
Consensus CCTCGCCTCC GCTATCTCAT CCAACCCCGA GTCTACTGTC AACAATGCCG CATTCTCTCC
100%
Conservation
0%
1,280 1,300 1,320
ref_NC_057808.1_ AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 1318
BIG 8 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 239
BIG 8-1 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 245
SST 027 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 243
SST 027 EMS 2 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 243
SST 027 EMS 7 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 243
SST 027 SA 1 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 244
SST 0147 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 243
SST 0147 EMS 28 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 246
SST 0147 EMS 27 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 242
SST 877 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 235
SST 877 SA 11 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 235
SST 877 SA 12 AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA 244
Consensus AGTCTCCCTC CATGTCGCGC TAAGCCTCAT CACCGCTGGC GCGGGGGGCG CCACCCGCAA
100%
Conservation
0%
1,340 1,360 1,380
ref_NC_057808.1_ CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 1378
BIG 8 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCKCCGAGCA 299
BIG 8-1 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 305
SST 027 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 303
SST 027 EMS 2 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 303
SST 027 EMS 7 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 303
SST 027 SA 1 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 304
SST 0147 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 303
SST 0147 EMS 28 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 306
SST 0147 EMS 27 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 302
SST 877 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 295
SST 877 SA 11 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 295
SST 877 SA 12 CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA 304
Consensus CCAACTCGCC GCTACACTGG GGGAAGGCGA GGTTGAGGGA CTCCACGCAC TCGCCGAGCA
100%
Conservation
0%
1,400 1,420 1,440
ref_NC_057808.1_ GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 1438
BIG 8 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 359
BIG 8-1 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 365
SST 027 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 363
SST 027 EMS 2 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 363
SST 027 EMS 7 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 363
SST 027 SA 1 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 364
SST 0147 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 363
SST 0147 EMS 28 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 366
SST 0147 EMS 27 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 362
SST 877 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 355
SST 877 SA 11 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 355
SST 877 SA 12 GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC 364
Consensus GGTGGTGCAG TTCGTCCTCG CCGACGCGTC CAACATCGGC GGCCCGCGCG TCGCCTTCGC
100%
Conservation
0%
1,460 1,480 1,500
ref_NC_057808.1_ CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 1498
BIG 8 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCSCAST 419
BIG 8-1 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG ARCTCGCAGT 425
SST 027 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 423
SST 027 EMS 2 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 423
SST 027 EMS 7 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 423
SST 027 SA 1 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 424
SST 0147 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 423
SST 0147 EMS 28 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 426
SST 0147 EMS 27 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 422
SST 877 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 415
SST 877 SA 11 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 415
SST 877 SA 12 CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT 424
Consensus CAACGGCGTC TTCGTGGACG CGTCGCTGCA GCTCAAGCCA TCCTTCCAGG AGCTCGCAGT
100%
Conservation
0%

```
                                   1,520                                   1,540                                   1,560
ref_NC_057808.1_  GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 1558
BIG 8             GTGCAARTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 479
BIG 8-1           GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 485
SST 027           GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 483
SST 027 EMS 2     GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 483
SST 027 EMS 7     GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 483
SST 027 SA 1      GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 484
SST 0147          GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 483
SST 0147 EMS 28   GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 486
SST 0147 EMS 27   GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 482
SST 877           GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 475
SST 877 SA 11     GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 475
SST 877 SA 12     GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC 484
Consensus         GTGCAAGTAC AAGGCCGAGG CCCAGTCCGT GGACTTCCAA ACTAAGGTGA TCCCCCTTCC
100%
Conservation
0%

                                   1,580                                   1,600                                   1,620
ref_NC_057808.1_  TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 1618
BIG 8             TTGTCTTGCT CCTTCTCAAA ATGACGGCMA ---------- ---------- ---------- 509
BIG 8-1           TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTT------ ---------- ---------- 519
SST 027           TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 543
SST 027 EMS 2     TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 543
SST 027 EMS 7     TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 543
SST 027 SA 1      TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 544
SST 0147          TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 543
SST 0147 EMS 28   TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 546
SST 0147 EMS 27   TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 542
SST 877           TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 535
SST 877 SA 11     TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 535
SST 877 SA 12     TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA 544
Consensus         TTGTCTTGCT CCTTCTCAAA ATGACGGCAA GGTTTTTACC AGCAAACAAA TACAGAGTAA
100%
Conservation
0%

                                   1,640                                   1,660                                   1,680
ref_NC_057808.1_  AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 1678
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 603
SST 027 EMS 2     AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 603
SST 027 EMS 7     AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 603
SST 027 SA 1      AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 604
SST 0147          AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 603
SST 0147 EMS 28   AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 606
SST 0147 EMS 27   AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 602
SST 877           AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 595
SST 877 SA 11     AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 595
SST 877 SA 12     AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG 604
Consensus         AAGAATTTGT CCGTTATCTA TGGCATAATT ATGTTGAGGC TGAAGTATGG CATGCCATTG
100%
Conservation
0%

                                   1,700                                   1,720                                   1,740
ref_NC_057808.1_  TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 1738
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 663
SST 027 EMS 2     TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 663
SST 027 EMS 7     TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 663
SST 027 SA 1      TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 664
SST 0147          TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 663
SST 0147 EMS 28   TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 666
SST 0147 EMS 27   TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 662
SST 877           TTTCTCTMAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 655
SST 877 SA 11     TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 655
SST 877 SA 12     TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC 664
Consensus         TTTCTCTCAA AGTGCTTGTT TTGTGCTGAT GTAATATAGA GGTACTGTGT TTATGTTGAC
100%
Conservation
0%

                                   1,760                                   1,780                                   1,800
ref_NC_057808.1_  ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 1798
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 723
SST 027 EMS 2     ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 723
SST 027 EMS 7     ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 723
SST 027 SA 1      ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 724
SST 0147          ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 723
SST 0147 EMS 28   ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 726
SST 0147 EMS 27   ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 722
SST 877           ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 715
SST 877 SA 11     ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 715
SST 877 SA 12     ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT 724
Consensus         ATTTAACTAA GCCTCCAAAA TTTGTTACAG TCCTTTTCCA TTGAAATTTA GTGGGTATTT
100%
Conservation
0%
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                                        1,820                                   1,840                                   1,860
ref_NC_057808.1_  CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 1858
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 783
SST 027 EMS 2     CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 783
SST 027 EMS 7     CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 783
SST 027 SA 1      CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 784
SST 0147          CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 783
SST 0147 EMS 28   CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 786
SST 0147 EMS 27   CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 782
SST 877           CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 775
SST 877 SA 11     CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 775
SST 877 SA 12     CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA 784
Consensus         CTGTACCACT GTTTTTAACA CTAGATGTTT TAGAACAATT TACAACTTTC TATAGGTACA
                  100%
Conservation
                  0%

                                        1,880                                   1,900                                   1,920
ref_NC_057808.1_  TACATATAGT ATTTCGGTTG GTTGGGTAAA ATAAAATAGG TTCGACTTAA TATATCATAC 1918
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           TACATAT--- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     TACATAT--- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     TACATATAGT ATTTCGGTTG GTTGGGTAAA ATAAAATAGG TTCGACTTAA TATATCA--- 840
SST 027 SA 1      TACATATAGT ATTTCGGTTG GTTGGGTAAA ATAAAATAGG TTCGACTTAA TATATCATAC 844
SST 0147          TACATATAGT ATTTCGGTTG GTTGGGTAAA ATAAAATAGG TTCGACTTAA TATATCATAC 843
SST 0147 EMS 28   TACATATAGT ATTT------ ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   TACATATA-- ---------- ---------- ---------- ---------- ---------- 790
SST 877           TACAT----- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     TACATATAGT ATTTCGGTTG GTTGGGTAAA ATAAAATAGG TTCGACTTAA TATATCATAC 835
SST 877 SA 12     TACATA---- ---------- ---------- ---------- ---------- ---------- 790
Consensus         TACATATA-- ---------- ---------- ---------- ---------- ---------- 
                  100%
Conservation
                  0%

                                        1,940                                   1,960                                   1,980
ref_NC_057808.1_  TTTAAACCGT TTAGGCTGCT TGTACAATTT ATTTTTGTCT AGCTCAAACT TGTAATATGC 1978
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      TTTAAA---- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          TTTAAACCGT TTAGGCTGCT TGTACAA--- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     TTTAAACCGT TTAGGCTGCT TGTACAATTT ATTTTTGTCT AGCTC----- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ---------- 
                  100%
Conservation
                  0%

                                        2,000                                   2,020                                   2,040
ref_NC_057808.1_  ATGGAGTACT TATTAATCCC TTGTCATTTT TGTCCAACTT AATTATTGAA TTTTAGTTGT 2038
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ---------- 
                  100%
Conservation
                  0%

                                        2,060                                   2,080                                   2,100
ref_NC_057808.1_  TGTTTACGTA AATTTACGAT ACTTTGGTAA CATTCATCGT TGTGCTGGCA TGTTGCTTGT 2098
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ---------- 
                  100%
Conservation
                  0%
```

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                                        2,120                                   2,140                                   2,160
ref_NC_057808.1_  TGTACTTAGA GTAGCGTACG TATAGGAATA TGTATAACCA ATCTGTATGT GCTGAACTCC 2158
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        2,180                                   2,200                                   2,220
ref_NC_057808.1_  CGTAGGTATT GCATAATATT GCTTCGAGAT GTTGTGATGA CCATTTAATC ATTTTCGTAT 2218
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        2,240                                   2,260                                   2,280
ref_NC_057808.1_  GCACATATGA TTCTTTTCTG TCATCCGTCG TTGTATGTCA TGATTTTACT ATGTGTGTGA 2278
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        2,300                                   2,320                                   2,340
ref_NC_057808.1_  AACCTTACTA CATATACAAA TGCTTTGCAA AAACCTTAGT ATTCTGCTTT GTATTCTCAG 2338
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        2,360                                   2,380                                   2,400
ref_NC_057808.1_  CACAAGTATA ATATTTAATA CTTTGAGAGG ATTTTTTTTA AAACATTGGT GACACAATAG 2398
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

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                                   2,420                                   2,440                                   2,460
ref_NC_057808.1_  TACTTTCAAT GTATTCACAT AACATAATTG ACCTTTCTTT ATTTTGACTT GGTCTAGGCC 2458
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,480                                   2,500                                   2,520
ref_NC_057808.1_  GCGGAAGTTA CTGCTCAAGT GAACTCATGG GTAGAGAAAG TCACAACCGG TCTCATCAAA 2518
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,540                                   2,560                                   2,580
ref_NC_057808.1_  GATATTCTCC CCGCCGGATC TATTGACAAT ACCACTAGAC TTGTTCTTGG CAATGCCCTT 2578
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,600                                   2,620                                   2,640
ref_NC_057808.1_  TATTTCAAAG GAGCTTGGAC AGATCAGTTT GATCCACGTG CAACACAAAG CGACGACTTC 2638
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,660                                   2,680                                   2,700
ref_NC_057808.1_  TACCTTCTTG ATGGGAGCTC AATTCAAACA CCATTCATGT ACAGCTCAGA AGAACAATAC 2698
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

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                                        2,720                                   2,740                                   2,760
ref_NC_057808.1_  ATTTCTTCTT  CTGATGGCTT  GAAGGTGCTT  AAGCTTCCTT  ACAAGCAAGG  TGGGGACAAG  2758
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  509
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  519
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  840
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  850
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  870
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  790
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  780
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  880
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  790
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        2,780                                   2,800                                   2,820
ref_NC_057808.1_  AGGCAGTTCT  CCATGTACAT  CCTTCTCCCA  GAAGCACTAA  GTGGTCTCTG  GAGCTTGGCA  2818
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  509
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  519
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  840
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  850
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  870
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  790
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  780
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  880
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  790
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        2,840                                   2,860                                   2,880
ref_NC_057808.1_  GAAAAGTTGA  GTGCCGAACC  AGAGTTCCTG  GAGCAGCATA  TCCCAAGGCA  GAAGGTTGCA  2878
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  509
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  519
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  840
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  850
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  870
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  790
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  780
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  880
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  790
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        2,900                                   2,920                                   2,940
ref_NC_057808.1_  CTCAGGCAAT  TCAAGCTCCC  CAAGTTCAAG  ATATCCTTGG  GAATTGAAGC  ATCTGATTTG  2938
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  509
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  519
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  840
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  850
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  870
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  790
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  780
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  880
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  790
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        2,960                                   2,980                                   3,000
ref_NC_057808.1_  CTCAAAGGTT  TGGGTCTGCA  ACTTCCATTC  GGTGCTGAAG  CAGATCTTTC  GGAGATGGTG  2998
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  509
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  519
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  790
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  840
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  850
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  870
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  790
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  780
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  880
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  790
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                   3,020                                   3,040                                   3,060
ref_NC_057808.1_  GATTCCCCAA TGGCACAGAA CCTCTACATC TCATCCATTT TTCACAAAGC ATTTGTCGAA 3058
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,080                                   3,100                                   3,120
ref_NC_057808.1_  GTGAATGAAA CAGGAACTGA GGCTGCAGCA ACAACTATTG CTAAAGTAGT CCTGCGACAA 3118
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,140                                   3,160                                   3,180
ref_NC_057808.1_  GCACCGCCGC CCTCGGTCTT GGATTTCATC GTGGATCACC CTTTCCTCTT CCTTATCCGG 3178
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,200                                   3,220                                   3,240
ref_NC_057808.1_  GAAGACACTT CCGGTGTGGT TCTATTCATC GGTCATGTGG TCAATCCCCT CCTATCTTCG 3238
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,260                                   3,280                                   3,300
ref_NC_057808.1_  TAATGTGTTT GCTCTGAAGT GTCTTGTCAT TTGCCTCAGC TGTTACATGT AAGGGGAGGG 3298
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                   3,320                                   3,340                                   3,360
ref_NC_057808.1_  TTTGGACAAT CAATCATGCT ACCCATGCAA TAAATCCAAT AAATGTTCTA TGCTTCTGAT 3358
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,380                                   3,400                                   3,420
ref_NC_057808.1_  GAATTCTACA CTTGTATGTT GGCATGTTAT TTTTGTGGGA ATTTTATGTA TCGTGGATTG 3418
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,440                                   3,460                                   3,480
ref_NC_057808.1_  GACCACCTTG ACCCAAAATA CTAGACCTGC AAGCTTGGGA GGCAGATGTG GTTCAACACA 3478
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,500                                   3,520                                   3,540
ref_NC_057808.1_  CTCATTTTGA CTTTGTTTTT GTTTTTGTTT TTGAAAGGAA TATAAAAAAC ACATTCAAGT 3538
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,560                                   3,580                                   3,600
ref_NC_057808.1_  CAAAGTCAAA ACACATGAAA TTGCAACTAG ATTCTTGTCA AACATTGCAA AAAAGTGGTC 3598
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                                 3,620                                   3,640                                   3,660
ref_NC_057808.1_  CAAGTGGATG GTAAAGTTTT TTTCTTTAAA AGTGAGATTA AATGGAATTC CCTCCACCTT 3658
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                 3,680                                   3,700                                   3,720
ref_NC_057808.1_  TTCTTTGCTC AATTCATTGA ACCAAATACA TTTTTTTGAG ACAAACTGAA CCAAATACAT 3718
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                 3,740                                   3,760                                   3,780
ref_NC_057808.1_  AAACAGTGCT GCTGAATGAA AAAAAAATCC ATTTTCCAAG CACGGGCCGA AGGCTCACCA 3778
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                 3,800                                   3,820                                   3,840
ref_NC_057808.1_  ACTACTGAAC CACCAATCGT CCCACAACCG GAGCCGGACG CCATTCAGCT GCTGATAGGA 3838
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                 3,860                                   3,880                                   3,900
ref_NC_057808.1_  GTGGATGTCA ATGCTTAGAA CGGCAGCCGC CGCCGCTACC TGGCAGCAAA AGGCGGTGGC 3898
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                                 3,920                                   3,940                                   3,960
ref_NC_057808.1_ CGCTGCTGTG GGTTGCTGTA CAAGAAGACA TTTCGAAGCT CGTCCTAAGC CAATCAATCC 3958
BIG 8            ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1          ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027          ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2    ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7    ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147         ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28  ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27  ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877          ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11    ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12    ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus        ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                 3,980                                   4,000                                   4,020
ref_NC_057808.1_ AACAACATTT TGGTACCACC ACCAGCAGAG ATTCGAGATC AAAGTCTCCA CACAGCATAC 4018
BIG 8            ---------- ---------- ---------- ---------- ---------- ---------- 509
BIG 8-1          ---------- ---------- ---------- ---------- ---------- ---------- 519
SST 027          ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 2    ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 027 EMS 7    ---------- ---------- ---------- ---------- ---------- ---------- 840
SST 027 SA 1     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 0147         ---------- ---------- ---------- ---------- ---------- ---------- 870
SST 0147 EMS 28  ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27  ---------- ---------- ---------- ---------- ---------- ---------- 790
SST 877          ---------- ---------- ---------- ---------- ---------- ---------- 780
SST 877 SA 11    ---------- ---------- ---------- ---------- ---------- ---------- 880
SST 877 SA 12    ---------- ---------- ---------- ---------- ---------- ---------- 790
Consensus        ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

ref_NC_057808.1_ AACATGCAAA CACAGA 4034
BIG 8            ---------- ------ 509
BIG 8-1          ---------- ------ 519
SST 027          ---------- ------ 790
SST 027 EMS 2    ---------- ------ 790
SST 027 EMS 7    ---------- ------ 840
SST 027 SA 1     ---------- ------ 850
SST 0147         ---------- ------ 870
SST 0147 EMS 28  ---------- ------ 800
SST 0147 EMS 27  ---------- ------ 790
SST 877          ---------- ------ 780
SST 877 SA 11    ---------- ------ 880
SST 877 SA 12    ---------- ------ 790
Consensus        ---------- ------
100%
Conservation
0%
```

```
                                        20                                  40                                  60
                                         |                                   |                                   |
ref_NC_057808.1_  TTATGATGTA  AAAACAATCT  CTAAATTGCT  GTTGTACAAA  AACTTGTATA  AAGGTGTATG  60
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          T---------  ----------  ----------  ----------  ----------  ----------  1
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA11      T---------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        80                                 100                                 120
                                         |                                   |                                   |
ref_NC_057808.1_  AATATAACAT  GAAATAAAAG  TGAAATACGA  AATAATAGTA  GTAGCGCGGG  CTGAGAAAAG  120
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                       140                                 160                                 180
                                         |                                   |                                   |
ref_NC_057808.1_  CGCTACTATT  AATTACCAGT  AGCGCTCTTT  AGTGAAAGCG  CTACTACTAA  GTCGATATAG  180
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                       200                                 220                                 240
                                         |                                   |                                   |
ref_NC_057808.1_  CAGTAGCGTG  GATTAACAGA  CGCTACTGCT  AACCTTTAGC  TGTAGCGCCT  TACTAGTAGC  240
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                       260                                 280                                 300
                                         |                                   |                                   |
ref_NC_057808.1_  GCCGTACCCA  GCGCTACTGA  TAGGCATTAT  TCCCGCGCTA  CTGCTAGGGT  TTTCCCTAGT  300
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  1
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                                  320                                                  340                                                  360
ref_NC_057808.1_  AGTGTAGATA GATCTTGTGT GATTGTAGGA ATTGTTTTTG AAATTACTGT GTTCCCCAAC 360
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

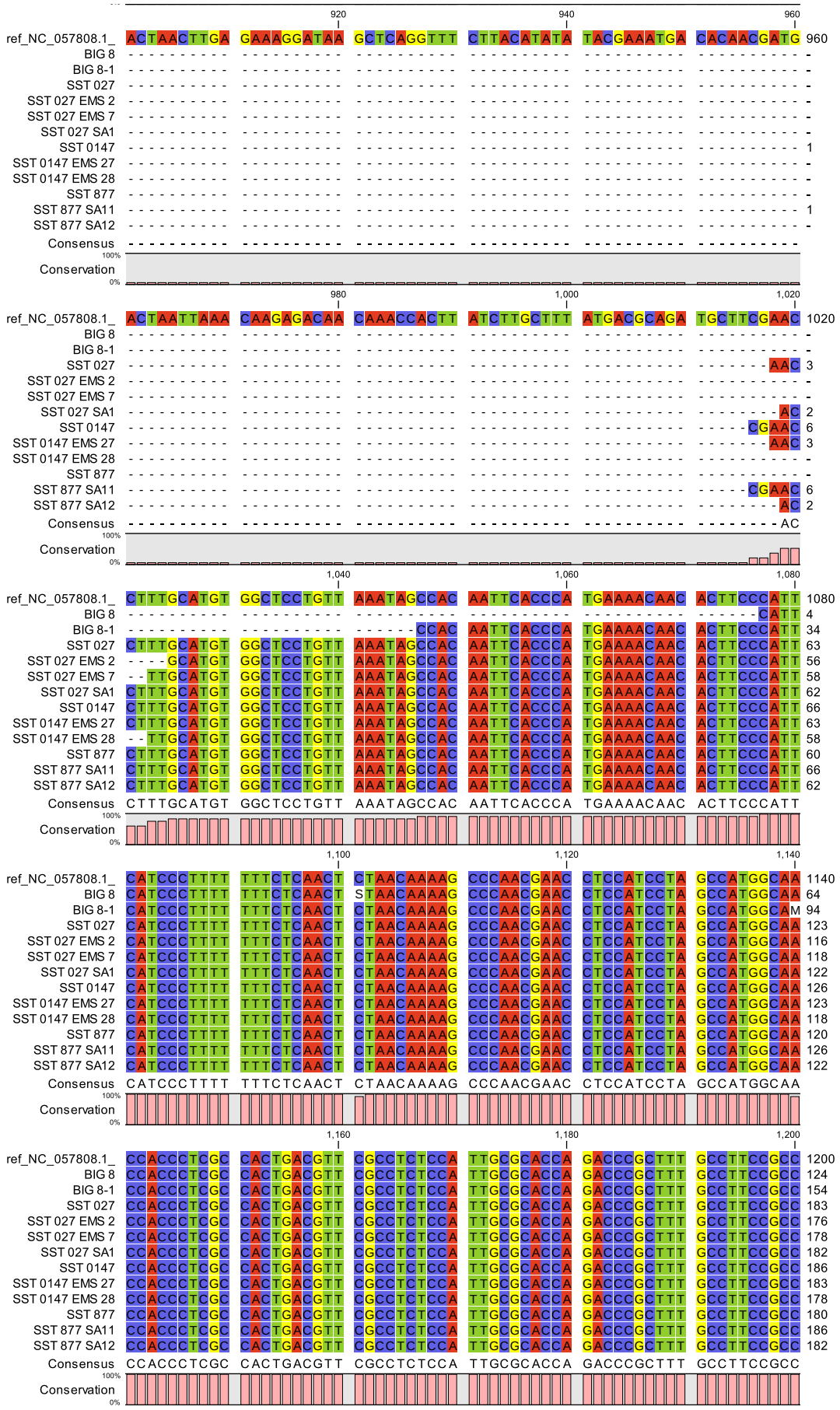
                                                  380                                                  400                                                  420
ref_NC_057808.1_  AAAGGCGTGT AGCAAACTCC ACATAAATCA AATGTTCTAG GGTAACTAGC AAAAGTGATG 420
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                  440                                                  460                                                  480
ref_NC_057808.1_  AAAAGCACGT ATTATCAGTT TTGTCATCTT CTAGGGATAG CGTTGGATAT ACAGCAGTGT 480
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                  500                                                  520                                                  540
ref_NC_057808.1_  CGTCCGTTGG ATCATAAACA TTAATTTGAC GACAAGTTAA GCCCACACCC CACGGCAAGT 540
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                  560                                                  580                                                  600
ref_NC_057808.1_  CATGCAAATC CCAATTAGGC TTTGTCATGC AATATTGTGC AAATCCTCTT TTCTAGTTAG 600
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                                  620                                                  640                                                  660
ref_NC_057808.1_  GACTTTACAC ACGGGTATAG CTATCTCAAG CTTGGAATTT AGTACTACGA ACCAGCTGTG 660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  680                                                  700                                                  720
ref_NC_057808.1_  TGGCGCAAAT CCTAATTATG CTATGCCATG CACATCTTCT TTACTAGTTA CAACTTTACA 720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  740                                                  760                                                  780
ref_NC_057808.1_  GGTTGGCACC GCTATCTCAA GCTTGGAATT CAGTATTGCT AATCAGTTGT GTGATTTTAA 780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  800                                                  820                                                  840
ref_NC_057808.1_  GAAAAACGATC AATGCTTCTA AAACGATCAG TTAAAAAGGTT ACGAGGCGCG TAGTGATCTC 840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  860                                                  880                                                  900
ref_NC_057808.1_  CCACAAATCC GATGTTCTAC AGAACTCAGA CGTACGGGAA GATCAGACCG AAAGCGCCAC 900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```


920 940 960
ref_NC_057808.1_ ACTAACTTGA GAAAGGATAA GCTCAGGTTT CTTACATATA TACGAAATGA CACAACGATG 960
BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA1
SST 0147 1
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA11 1
SST 877 SA12
Consensus
100%
Conservation
0%
980 1,000 1,020
ref_NC_057808.1_ ACTAATTAAA CAAGAGACAA CAAACCACTT ATCTTGCTTT ATGACGCAGA TGCTTCGAAC 1020
BIG 8
BIG 8-1
SST 027 AAC 3
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA1 AC 2
SST 0147 CGAAC 6
SST 0147 EMS 27 AAC 3
SST 0147 EMS 28
SST 877
SST 877 SA11 CGAAC 6
SST 877 SA12 AC 2
Consensus AC
100%
Conservation
0%
1,040 1,060 1,080
ref_NC_057808.1_ CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 1080
BIG 8 CATT 4
BIG 8-1 CCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 34
SST 027 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 63
SST 027 EMS 2 GCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 56
SST 027 EMS 7 TTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 58
SST 027 SA1 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 62
SST 0147 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 66
SST 0147 EMS 27 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 63
SST 0147 EMS 28 TTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 58
SST 877 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 60
SST 877 SA11 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 66
SST 877 SA12 CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 62
Consensus CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT
100%
Conservation
0%
1,100 1,120 1,140
ref_NC_057808.1_ CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 1140
BIG 8 CATCCCTTTT TTTCTCAACT STAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 64
BIG 8-1 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAM 94
SST 027 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 123
SST 027 EMS 2 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 116
SST 027 EMS 7 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 118
SST 027 SA1 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 122
SST 0147 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 126
SST 0147 EMS 27 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 123
SST 0147 EMS 28 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 118
SST 877 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 120
SST 877 SA11 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 126
SST 877 SA12 CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 122
Consensus CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA
100%
Conservation
0%
1,160 1,180 1,200
ref_NC_057808.1_ CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 1200
BIG 8 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 124
BIG 8-1 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 154
SST 027 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 183
SST 027 EMS 2 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 176
SST 027 EMS 7 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 178
SST 027 SA1 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 182
SST 0147 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 186
SST 0147 EMS 27 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 183
SST 0147 EMS 28 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 178
SST 877 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 180
SST 877 SA11 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 186
SST 877 SA12 CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 182
Consensus CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC
100%
Conservation
0%

```
                                        1,220                                   1,240                                   1,260
ref_NC_057808.1_  TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 1260
BIG 8             TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 184
BIG 8-1           TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 214
SST 027           TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 243
SST 027 EMS 2     TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 236
SST 027 EMS 7     TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 238
SST 027 SA1       TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 242
SST 0147          TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 246
SST 0147 EMS 27   TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 243
SST 0147 EMS 28   TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 238
SST 877           TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 240
SST 877 SA11      TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 246
SST 877 SA12      TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 242
Consensus         TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG
100%
Conservation
0%
```

```
                                        1,280                                   1,300                                   1,320
ref_NC_057808.1_  TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 1320
BIG 8             TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCKGGCGC GGGGGGCGCC ACCCGCAACC 244
BIG 8-1           TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 274
SST 027           TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 303
SST 027 EMS 2     TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 296
SST 027 EMS 7     TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 298
SST 027 SA1       TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 302
SST 0147          TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 306
SST 0147 EMS 27   TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 303
SST 0147 EMS 28   TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 298
SST 877           TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 300
SST 877 SA11      TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 306
SST 877 SA12      TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 302
Consensus         TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC
100%
Conservation
0%
```

```
                                        1,340                                   1,360                                   1,380
ref_NC_057808.1_  AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 1380
BIG 8             AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 304
BIG 8-1           AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 334
SST 027           AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 363
SST 027 EMS 2     AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 356
SST 027 EMS 7     AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 358
SST 027 SA1       AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 362
SST 0147          AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 366
SST 0147 EMS 27   AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 363
SST 0147 EMS 28   AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 358
SST 877           AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 360
SST 877 SA11      AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 366
SST 877 SA12      AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 362
Consensus         AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG
100%
Conservation
0%
```

```
                                        1,400                                   1,420                                   1,440
ref_NC_057808.1_  TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 1440
BIG 8             TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 364
BIG 8-1           TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 394
SST 027           TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 423
SST 027 EMS 2     TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 416
SST 027 EMS 7     TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 418
SST 027 SA1       TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 422
SST 0147          TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 426
SST 0147 EMS 27   TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 423
SST 0147 EMS 28   TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 418
SST 877           TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 420
SST 877 SA11      TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 426
SST 877 SA12      TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 422
Consensus         TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA
100%
Conservation
0%
```

```
                                        1,460                                   1,480                                   1,500
ref_NC_057808.1_  ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 1500
BIG 8             ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 424
BIG 8-1           ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 454
SST 027           ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 483
SST 027 EMS 2     ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 476
SST 027 EMS 7     ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 478
SST 027 SA1       ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 482
SST 0147          ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 486
SST 0147 EMS 27   ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 483
SST 0147 EMS 28   ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 478
SST 877           ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 480
SST 877 SA11      ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 486
SST 877 SA12      ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 482
Consensus         ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT
100%
Conservation
0%
```

```
                                   1,520                                   1,540                                   1,560
ref_NC_057808.1_  GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAGGTGATC  CCCCTTCCTT  1560
BIG 8             GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTC-----  ----------  ----------  459
BIG 8-1           GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCC----  ----------  ----------  490
SST 027           GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  AC--------  ----------  ----------  515
SST 027 EMS 2     GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  T---------  ----------  517
SST 027 EMS 7     GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TA--------  ----------  520
SST 027 SA1       GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAGGT----  ----------  528
SST 0147          GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAG------  ----------  530
SST 0147 EMS 27   GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAA-------  ----------  526
SST 0147 EMS 28   GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TA--------  ----------  520
SST 877           GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAA-------  ----------  523
SST 877 SA11      GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAG------  ----------  530
SST 877 SA12      GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAGG-----  ----------  527
Consensus         GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAA-------  ----------
100%
Conservation
0%

                                   1,580                                   1,600                                   1,620
ref_NC_057808.1_  GTCTTGCTCC  TTCTCAAAAT  GACGGCAAGG  TTTTTACCAG  CAAACAAATA  CAGAGTAAAA  1620
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,640                                   1,660                                   1,680
ref_NC_057808.1_  GAATTTGTCC  GTTATCTATG  GCATAATTAT  GTTGAGGCTG  AAGTATGGCA  TGCCATTGTT  1680
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,700                                   1,720                                   1,740
ref_NC_057808.1_  TCTCTCAAAG  TGCTTGTTTT  GTGCTGATGT  AATATAGAGG  TACTGTGTTT  ATGTTGACAT  1740
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,760                                   1,780                                   1,800
ref_NC_057808.1_  TTAACTAAGC  CTCCAAAATT  TGTTACAGTC  CTTTTCCATT  GAAATTTAGT  GGGTATTTCT  1800
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                   1,820                                   1,840                                   1,860
ref_NC_057808.1_  GTACCACTGT TTTTAACACT AGATGTTTTA GAACAATTTA CAACTTTCTA TAGGTACATA 1860
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   1,880                                   1,900                                   1,920
ref_NC_057808.1_  CATATAGTAT TTCGGTTGGT TGGGTAAAAT AAAATAGGTT CGACTTAATA TATCATACTT 1920
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   1,940                                   1,960                                   1,980
ref_NC_057808.1_  TAAACCGTTT AGGCTGCTTG TACAATTTAT TTTTGTCTAG CTCAAACTTG TAATATGCAT 1980
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   2,000                                   2,020                                   2,040
ref_NC_057808.1_  GGAGTACTTA TTAATCCCTT GTCATTTTTG TCCAACTTAA TTATTGAATT TTAGTTGTTG 2040
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   2,060                                   2,080                                   2,100
ref_NC_057808.1_  TTTACGTAAA TTTACGATAC TTTGGTAACA TTCATCGTTG TGCTGGCATG TTGCTTGTTG 2100
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%
```

```
                                   2,120                                   2,140                                   2,160
ref_NC_057808.1_  TACTTAGAGT  AGCGTACGTA  TAGGAATATG  TATAACCAAT  CTGTATGTGC  TGAACTCCCG  2160
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   2,180                                   2,200                                   2,220
ref_NC_057808.1_  TAGGTATTGC  ATAATATTGC  TTCGAGATGT  TGTGATGACC  ATTTAATCAT  TTTCGTATGC  2220
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   2,240                                   2,260                                   2,280
ref_NC_057808.1_  ACATATGATT  CTTTTCTGTC  ATCCGTCGTT  GTATGTCATG  ATTTTACTAT  GTGTGTGAAA  2280
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   2,300                                   2,320                                   2,340
ref_NC_057808.1_  CCTTACTACA  TATACAAATG  CTTTGCAAAA  ACCTTAGTAT  TCTGCTTTGT  ATTCTCAGCA  2340
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   2,360                                   2,380                                   2,400
ref_NC_057808.1_  CAAGTATAAT  ATTTAATACT  TTGAGAGGAT  TTTTTTTAAA  ACATTGGTGA  CACAATAGTA  2400
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                   2,420                                   2,440                                   2,460
ref_NC_057808.1_  CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 2460
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,480                                   2,500                                   2,520
ref_NC_057808.1_  GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 2520
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,540                                   2,560                                   2,580
ref_NC_057808.1_  TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 2580
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,600                                   2,620                                   2,640
ref_NC_057808.1_  TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 2640
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,660                                   2,680                                   2,700
ref_NC_057808.1_  CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 2700
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                   2,720                                   2,740                                   2,760
ref_NC_057808.1_  TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 2760
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,780                                   2,800                                   2,820
ref_NC_057808.1_  GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 2820
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,840                                   2,860                                   2,880
ref_NC_057808.1_  AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 2880
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,900                                   2,920                                   2,940
ref_NC_057808.1_  CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 2940
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,960                                   2,980                                   3,000
ref_NC_057808.1_  CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 3000
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                   3,020                                   3,040                                   3,060
ref_NC_057808.1_  TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 3060
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   3,080                                   3,100                                   3,120
ref_NC_057808.1_  GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 3120
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   3,140                                   3,160                                   3,180
ref_NC_057808.1_  ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 3180
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   3,200                                   3,220                                   3,240
ref_NC_057808.1_  AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 3240
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%

                                   3,260                                   3,280                                   3,300
ref_NC_057808.1_  ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 3300
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
                  100%
Conservation
                  0%
```

```
                                   3,320                                   3,340                                   3,360
ref_NC_057808.1_  TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA ATGTTCTATG CTTCTGATGA 3360
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,380                                   3,400                                   3,420
ref_NC_057808.1_  ATTCTACACT TGTATGTTGG CATGTTATTT TTGTGGGAAT TTTATGTATC GTGGATTGGA 3420
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,440                                   3,460                                   3,480
ref_NC_057808.1_  CCACCTTGAC CCAAAATACT AGACCTGCAA GCTTGGGAGG CAGATGTGGT TCAACACACT 3480
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,500                                   3,520                                   3,540
ref_NC_057808.1_  CATTTTGACT TTGTTTTTGT TTTTGTTTTT GAAAGGAATA TAAAAAACAC ATTCAAGTCA 3540
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,560                                   3,580                                   3,600
ref_NC_057808.1_  AAGTCAAAAC ACATGAAATT GCAACTAGAT TCTTGTCAAA CATTGCAAAA AAGTGGTCCA 3600
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                   3,620                   3,640                   3,660
ref_NC_057808.1_  AGTGGATGGT AAAGTTTTTT TCTTTAAAAG TGAGATTAAA TGGAATTCCC TCCACCTTTT 3660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,680                   3,700                   3,720
ref_NC_057808.1_  CTTTGCTCAA TTCATTGAAC CAAATACATT TTTTTGAGAC AAACTGAACC AAATACATAA 3720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,740                   3,760                   3,780
ref_NC_057808.1_  ACAGTGCTGC TGAATGAAAA AAAAATCCAT TTTCCAAGCA CGGGCCGAAG GCTCACCAAC 3780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,800                   3,820                   3,840
ref_NC_057808.1_  TACTGAACCA CCAATCGTCC CACAACCGGA GCCGGACGCC ATTCAGCTGC TGATAGGAGT 3840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,860                   3,880                   3,900
ref_NC_057808.1_  GGATGTCAAT GCTTAGAACG GCAGCCGCCG CCGCTACCTG GCAGCAAAAG GCGGTGGCCG 3900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 459
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 490
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 515
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 517
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 027 SA1       ---------- ---------- ---------- ---------- ---------- ---------- 528
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 526
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 520
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 523
SST 877 SA11      ---------- ---------- ---------- ---------- ---------- ---------- 530
SST 877 SA12      ---------- ---------- ---------- ---------- ---------- ---------- 527
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                                 3,920                                   3,940                                   3,960
ref_NC_057808.1_  CTGCTGTGGG  TTGCTGTACA  AGAAGACATT  TCGAAGCTCG  TCCTAAGCCA  ATCAATCCAA  3960
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
                                                 3,980                                   4,000                                   4,020
ref_NC_057808.1_  CAACATTTTG  GTACCACCAC  CAGCAGAGAT  TCGAGATCAA  AGTCTCCACA  CAGCATACAA  4020
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  459
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  490
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  515
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  517
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  520
SST 027 SA1       ----------  ----------  ----------  ----------  ----------  ----------  528
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  530
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  526
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  520
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  523
SST 877 SA11      ----------  ----------  ----------  ----------  ----------  ----------  530
SST 877 SA12      ----------  ----------  ----------  ----------  ----------  ----------  527
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

ref_NC_057808.1_  CATGCAAACA  CAGA  4034
BIG 8             ----------  ----  459
BIG 8-1           ----------  ----  490
SST 027           ----------  ----  515
SST 027 EMS 2     ----------  ----  517
SST 027 EMS 7     ----------  ----  520
SST 027 SA1       ----------  ---A  529
SST 0147          ----------  ----  530
SST 0147 EMS 27   ----------  ----  526
SST 0147 EMS 28   ----------  ----  520
SST 877           ----------  ----  523
SST 877 SA11      ----------  ----  530
SST 877 SA12      ----------  ----  527
Consensus         ----------  ----
100%
Conservation
0%
```

```
                                        20                                  40                                  60
                                         |                                   |                                   |
ref_NC_057808.1_  TTATGATGTA  AAAACAATCT  CTAAATTGCT  GTTGTACAAA  AACTTGTATA  AAGGTGTATG  60
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        80                                 100                                 120
                                         |                                   |                                   |
ref_NC_057808.1_  AATATAACAT  GAAATAAAAG  TGAAATACGA  AATAATAGTA  GTAGCGCGGG  CTGAGAAAAG  120
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                       140                                 160                                 180
                                         |                                   |                                   |
ref_NC_057808.1_  CGCTACTATT  AATTACCAGT  AGCGCTCTTT  AGTGAAAGCG  CTACTACTAA  GTCGATATAG  180
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                       200                                 220                                 240
                                         |                                   |                                   |
ref_NC_057808.1_  CAGTAGCGTG  GATTAACAGA  CGCTACTGCT  AACCTTTAGC  TGTAGCGCCT  TACTAGTAGC  240
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                       260                                 280                                 300
                                         |                                   |                                   |
ref_NC_057808.1_  GCCGTACCCA  GCGCTACTGA  TAGGCATTAT  TCCCGCGCTA  CTGCTAGGGT  TTTCCCTAGT  300
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                   320                                 340                                 360
ref_NC_057808.1_  AGTGTAGATA  GATCTTGTGT  GATTGTAGGA  ATTGTTTTTG  AAATTACTGT  GTTCCCCAAC  360
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------
SST 027           ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------
SST 877           ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   380                                 400                                 420
ref_NC_057808.1_  AAAGGCGTGT  AGCAAACTCC  ACATAAATCA  AATGTTCTAG  GGTAACTAGC  AAAAGTGATG  420
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------
SST 027           ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------
SST 877           ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   440                                 460                                 480
ref_NC_057808.1_  AAAAGCACGT  ATTATCAGTT  TTGTCATCTT  CTAGGGATAG  CGTTGGATAT  ACAGCAGTGT  480
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------
SST 027           ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------
SST 877           ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   500                                 520                                 540
ref_NC_057808.1_  CGTCCGTTGG  ATCATAAACA  TTAATTTGAC  GACAAGTTAA  GCCCACACCC  CACGGCAAGT  540
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------
SST 027           ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------
SST 877           ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   560                                 580                                 600
ref_NC_057808.1_  CATGCAAATC  CCAATTAGGC  TTTGTCATGC  AATATTGTGC  AAATCCTCTT  TTCTAGTTAG  600
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------
SST 027           ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------
SST 877           ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                        620                                     640                                     660
ref_NC_057808.1_  GACTTTACAC ACGGGTATAG CTATCTCAAG CTTGGAATTT AGTACTACGA ACCAGCTGTG 660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        680                                     700                                     720
ref_NC_057808.1_  TGGCGCAAAT CCTAATTATG CTATGCCATG CACATCTTCT TTACTAGTTA CAACTTTACA 720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        740                                     760                                     780
ref_NC_057808.1_  GGTTGGCACC GCTATCTCAA GCTTGGAATT CAGTATTGCT AATCAGTTGT GTGATTTTAA 780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        800                                     820                                     840
ref_NC_057808.1_  GAAAAACGATC AATGCTTCTA AAACGATCAG TTAAAAAGGTT ACGAGGCGCG TAGTGATCTC 840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        860                                     880                                     900
ref_NC_057808.1_  CCACAAATCC GATGTTCTAC AGAACTCAGA CGTACGGGAA GATCAGACCG AAAGCGCCAC 900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

920 940 960

ref_NC_057808.1_ ACTAACTTGA GAAAGGATAA GCTCAGGTTT CTTACATATA TACGAAATGA CACAACGATG 960

BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%

980 1,000 1,020

ref_NC_057808.1_ ACTAATTAAA CAAGAGACAA CAAACCACTT ATCTTGCTTT ATGACGCAGA TGCTTCGAAC 1020

BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%

1,040 1,060 1,080

ref_NC_057808.1_ CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 1080

BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%

1,100 1,120 1,140

ref_NC_057808.1_ CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 1140

BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%

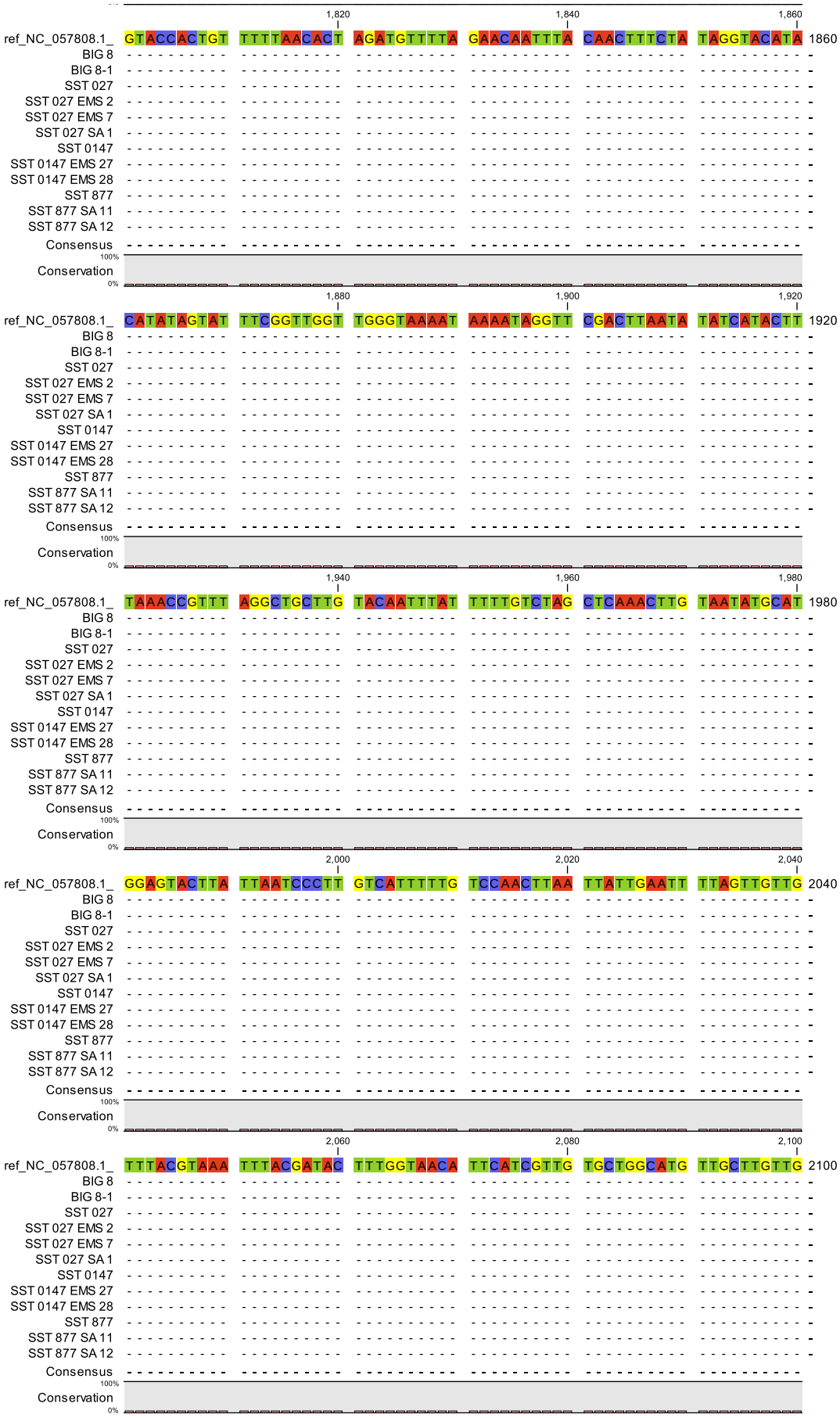
1,160 1,180 1,200

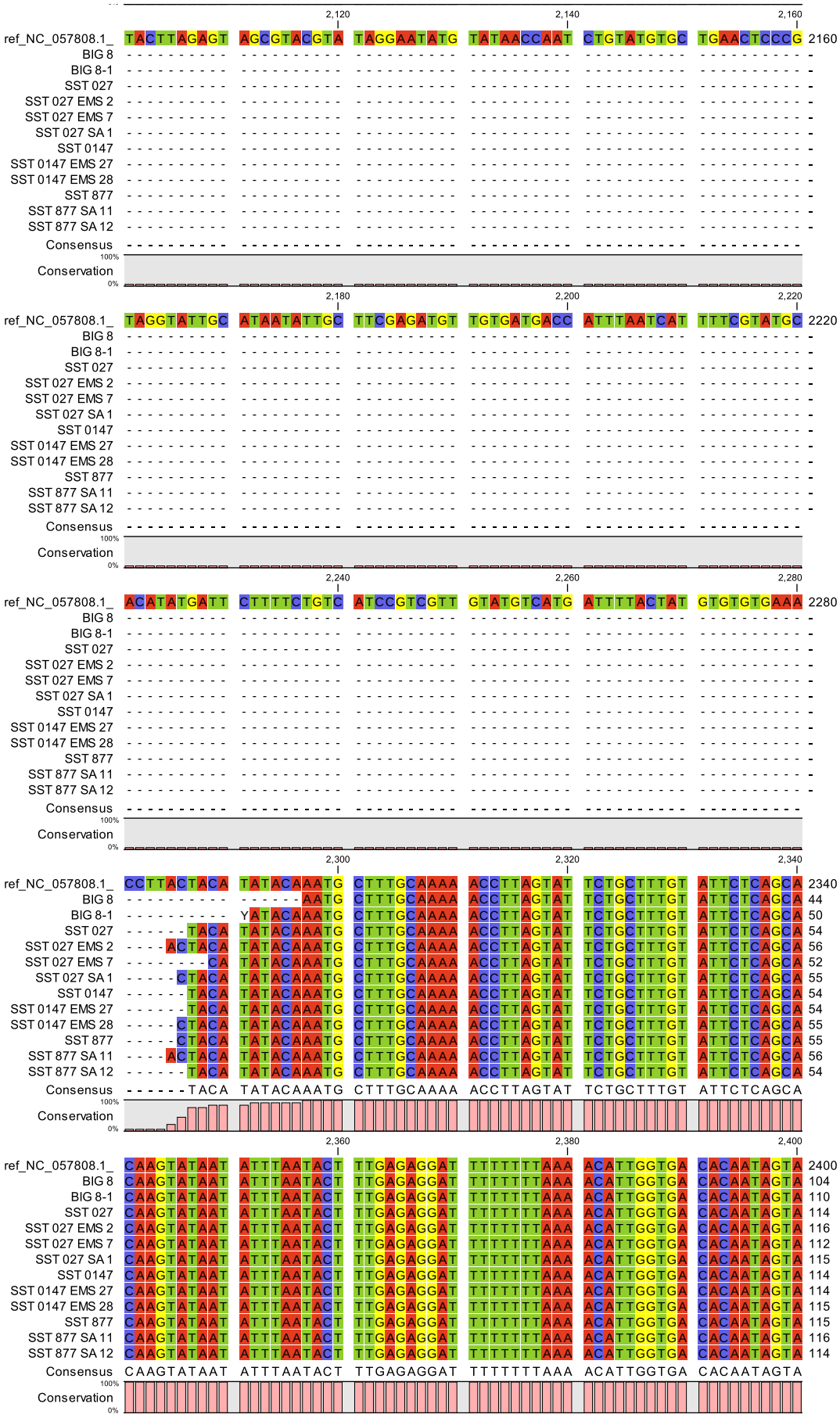
ref_NC_057808.1_ CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 1200

BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%

```
                                   1,220                                   1,240                                   1,260
ref_NC_057808.1_  TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 1260
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   1,280                                   1,300                                   1,320
ref_NC_057808.1_  TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 1320
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   1,340                                   1,360                                   1,380
ref_NC_057808.1_  AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 1380
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   1,400                                   1,420                                   1,440
ref_NC_057808.1_  TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 1440
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                   1,460                                   1,480                                   1,500
ref_NC_057808.1_  ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 1500
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                   1,520                                   1,540                                   1,560
ref_NC_057808.1_  GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAGGTGATC  CCCCTTCCTT  1560
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
                                   1,580                                   1,600                                   1,620
ref_NC_057808.1_  GTCTTGCTCC  TTCTCAAAAT  GACGGCAAGG  TTTTTACCAG  CAAACAAATA  CAGAGTAAAA  1620
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
                                   1,640                                   1,660                                   1,680
ref_NC_057808.1_  GAATTTGTCC  GTTATCTATG  GCATAATTAT  GTTGAGGCTG  AAGTATGGCA  TGCCATTGTT  1680
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
                                   1,700                                   1,720                                   1,740
ref_NC_057808.1_  TCTCTCAAAG  TGCTTGTTTT  GTGCTGATGT  AATATAGAGG  TACTGTGTTT  ATGTTGACAT  1740
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
                                   1,760                                   1,780                                   1,800
ref_NC_057808.1_  TTAACTAAGC  CTCCAAAATT  TGTTACAGTC  CTTTTCCATT  GAAATTTAGT  GGGTATTTCT  1800
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```


1,820
1,840
1,860
ref_NC_057808.1_ GTACCACTGT TTTTAACACT AGATGTTTTA GAACAATTTA CAACTTTCTA TAGGTACATA 1860
1,880
1,900
1,920
ref_NC_057808.1_ CATATAGTAT TTCGGTTGGT TGGGTAAAAT AAAATAGGTT CGACTTAATA TATCATACTT 1920
1,940
1,960
1,980
ref_NC_057808.1_ TAAACCGTTT AGGCTGCTTG TACAATTTAT TTTTGTCTAG CTCAAACTTG TAATATGCAT 1980
2,000
2,020
2,040
ref_NC_057808.1_ GGAGTACTTA TTAATCCCTT GTCATTTTTG TCCAACTTAA TTATTGAATT TTAGTTGTTG 2040
2,060
2,080
2,100
ref_NC_057808.1_ TTTACGTAAA TTTACGATAC TTTGGTAACA TTCATCGTTG TGCTGGCATG TTGCTTGTTG 2100
BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%


2,120 2,140 2,160
ref_NC_057808.1_ TACTTAGAGT AGCGTACGTA TAGGAATATG TATAACCAAT CTGTATGTGC TGAACTCCCG 2160
2,180 2,200 2,220
ref_NC_057808.1_ TAGGTATTGC ATAATATTGC TTCGAGATGT TGTGATGACC ATTTAATCAT TTTCGTATGC 2220
2,240 2,260 2,280
ref_NC_057808.1_ ACATATGATT CTTTTCTGTC ATCCGTCGTT GTATGTCATG ATTTTACTAT GTGTGTGAAA 2280
2,300 2,320 2,340
ref_NC_057808.1_ CCTTACTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 2340
BIG 8 - - - - - - AATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 44
BIG 8-1 - - - - - - - - - - YATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 50
SST 027 - - - - - - TACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 54
SST 027 EMS 2 - - - - ACTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 56
SST 027 EMS 7 - - - - - - - - CA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 52
SST 027 SA 1 - - - - - CTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 55
SST 0147 - - - - - - TACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 54
SST 0147 EMS 27 - - - - - - TACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 54
SST 0147 EMS 28 - - - - - CTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 55
SST 877 - - - - - CTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 55
SST 877 SA 11 - - - - ACTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 56
SST 877 SA 12 - - - - - - TACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 54
Consensus - - - - - - TACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA
100%
Conservation
0%
2,360 2,380 2,400
ref_NC_057808.1_ CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 2400
BIG 8 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 104
BIG 8-1 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 110
SST 027 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 114
SST 027 EMS 2 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 116
SST 027 EMS 7 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 112
SST 027 SA 1 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 115
SST 0147 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 114
SST 0147 EMS 27 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 114
SST 0147 EMS 28 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 115
SST 877 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 115
SST 877 SA 11 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 116
SST 877 SA 12 CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 114
Consensus CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA
100%
Conservation
0%

```
                                    2,420                                   2,440                                   2,460
ref_NC_057808.1_  CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 2460
BIG 8             CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 164
BIG 8-1           CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 170
SST 027           CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 174
SST 027 EMS 2     CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 176
SST 027 EMS 7     CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 172
SST 027 SA 1      CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 175
SST 0147          CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 174
SST 0147 EMS 27   CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 174
SST 0147 EMS 28   CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 175
SST 877           CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 175
SST 877 SA 11     CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 176
SST 877 SA 12     CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 174
Consensus         CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC
Conservation
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                                    2,480                                   2,500                                   2,520
ref_NC_057808.1_  GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 2520
BIG 8             GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 224
BIG 8-1           GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 230
SST 027           GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 234
SST 027 EMS 2     GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 236
SST 027 EMS 7     GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 232
SST 027 SA 1      GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 235
SST 0147          GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 234
SST 0147 EMS 27   GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 234
SST 0147 EMS 28   GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 235
SST 877           GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 235
SST 877 SA 11     GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 236
SST 877 SA 12     GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 234
Consensus         GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA
Conservation
```

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                                    2,540                                   2,560                                   2,580
ref_NC_057808.1_  TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 2580
BIG 8             TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 284
BIG 8-1           TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 290
SST 027           TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 294
SST 027 EMS 2     TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 296
SST 027 EMS 7     TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 292
SST 027 SA 1      TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 295
SST 0147          TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 294
SST 0147 EMS 27   TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 294
SST 0147 EMS 28   TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 295
SST 877           TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 295
SST 877 SA 11     TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 296
SST 877 SA 12     TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 294
Consensus         TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA
Conservation
```

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                                    2,600                                   2,620                                   2,640
ref_NC_057808.1_  TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 2640
BIG 8             TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 344
BIG 8-1           TTTCAAAGGA GCTTGGACAG ATCAKTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 350
SST 027           TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 354
SST 027 EMS 2     TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 356
SST 027 EMS 7     TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 352
SST 027 SA 1      TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 355
SST 0147          TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 354
SST 0147 EMS 27   TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 354
SST 0147 EMS 28   TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 355
SST 877           TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 355
SST 877 SA 11     TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 356
SST 877 SA 12     TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 354
Consensus         TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA
Conservation
```

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                                    2,660                                   2,680                                   2,700
ref_NC_057808.1_  CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 2700
BIG 8             CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 404
BIG 8-1           CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAAAAK AACAATACAT 410
SST 027           CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 414
SST 027 EMS 2     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 416
SST 027 EMS 7     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 412
SST 027 SA 1      CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 415
SST 0147          CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 414
SST 0147 EMS 27   CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 414
SST 0147 EMS 28   CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 415
SST 877           CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 415
SST 877 SA 11     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 416
SST 877 SA 12     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 414
Consensus         CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT
Conservation
```

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                                   2,720                                   2,740                                   2,760
ref_NC_057808.1_  TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 2760
BIG 8             TTCTTCTTCT GATGGCTTGA AGGTGCTTAA SCTTCCTTAC AAGCAAGGTG GGGACAAGAG 464
BIG 8-1           TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 470
SST 027           TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 474
SST 027 EMS 2     TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 476
SST 027 EMS 7     TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 472
SST 027 SA 1      TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 475
SST 0147          TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 474
SST 0147 EMS 27   TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 474
SST 0147 EMS 28   TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 475
SST 877           TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 475
SST 877 SA 11     TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 476
SST 877 SA 12     TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 474
Consensus         TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG
100%
Conservation
0%

                                   2,780                                   2,800                                   2,820
ref_NC_057808.1_  GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 2820
BIG 8             GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 524
BIG 8-1           GCARTTCTCC ATGTACATCC TTCTCCMAKA ARMACTAAGT GGTCTCTGGA GCTTGGCASA 530
SST 027           GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 534
SST 027 EMS 2     GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 536
SST 027 EMS 7     GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 532
SST 027 SA 1      GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 535
SST 0147          GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 534
SST 0147 EMS 27   GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 534
SST 0147 EMS 28   GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 535
SST 877           GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 535
SST 877 SA 11     GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 536
SST 877 SA 12     GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 534
Consensus         GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA
100%
Conservation
0%

                                   2,840                                   2,860                                   2,880
ref_NC_057808.1_  AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 2880
BIG 8             AAAGTTGART GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 584
BIG 8-1           AAAGTTGAAT GCCGAACCAG ARTTCCTGG- ---------- ---------- ---------- 559
SST 027           AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 594
SST 027 EMS 2     AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 596
SST 027 EMS 7     AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 592
SST 027 SA 1      AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 595
SST 0147          AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 594
SST 0147 EMS 27   AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 594
SST 0147 EMS 28   AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 595
SST 877           AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 595
SST 877 SA 11     AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 596
SST 877 SA 12     AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 594
Consensus         AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT
100%
Conservation
0%

                                   2,900                                   2,920                                   2,940
ref_NC_057808.1_  CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 2940
BIG 8             CWGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTTGC 644
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 654
SST 027 EMS 2     CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 656
SST 027 EMS 7     CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 652
SST 027 SA 1      CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 655
SST 0147          CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 654
SST 0147 EMS 27   CAGGCAATTM TAGMTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 654
SST 0147 EMS 28   CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 655
SST 877           CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 655
SST 877 SA 11     CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 656
SST 877 SA 12     CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 654
Consensus         CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT
100%
Conservation
0%

                                   2,960                                   2,980                                   3,000
ref_NC_057808.1_  CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 3000
BIG 8             TCAAAG---- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 714
SST 027 EMS 2     CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 716
SST 027 EMS 7     CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 712
SST 027 SA 1      CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 715
SST 0147          CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 714
SST 0147 EMS 27   CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 714
SST 0147 EMS 28   CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 715
SST 877           CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 715
SST 877 SA 11     CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 716
SST 877 SA 12     CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 714
Consensus         CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA
100%
Conservation
0%
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                                        3,020                                   3,040                                   3,060
ref_NC_057808.1_  TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 3060
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 774
SST 027 EMS 2     TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 776
SST 027 EMS 7     TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 772
SST 027 SA 1      TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCA----- ---------- ---------- 750
SST 0147          TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 774
SST 0147 EMS 27   TTCCCCCAATG GCACAGAACC TCTACA---- ---------- ---------- ---------- 740
SST 0147 EMS 28   TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCA----- ---------- ---------- 750
SST 877           TTCCCCCAATG GCACAGAACC TCTACATCTC ATCC------ ---------- ---------- 749
SST 877 SA 11     TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 776
SST 877 SA 12     TTCCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 774
Consensus         TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT
Conservation      100%
                  0%

                                        3,080                                   3,100                                   3,120
ref_NC_057808.1_  GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 3120
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           GAATGAAACA GGAACTGAGG CTGCAG---- ---------- ---------- ---------- 800
SST 027 EMS 2     GAATGAAACA GGAACTGAGG CTGCAGCAAC AACT------ ---------- ---------- 810
SST 027 EMS 7     GAATGAAACA GGAACTGAGG CTGCAGCA-- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          GAATGAAACA GGAACTGAGG CTGCAG---- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     GAATGAAACA GGAACTGAGG CTGC------ ---------- ---------- ---------- 800
SST 877 SA 12     GAATGA---- ---------- ---------- ---------- ---------- ---------- 780
Consensus         GAATGA---- ---------- ---------- ---------- ---------- ----------
Conservation      100%
                  0%

                                        3,140                                   3,160                                   3,180
ref_NC_057808.1_  ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 3180
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
Conservation      100%
                  0%

                                        3,200                                   3,220                                   3,240
ref_NC_057808.1_  AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 3240
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
Conservation      100%
                  0%

                                        3,260                                   3,280                                   3,300
ref_NC_057808.1_  ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 3300
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
Conservation      100%
                  0%
```

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                                        3,320                                   3,340                                   3,360
ref_NC_057808.1_  TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA ATGTTCTATG CTTCTGATGA 3360
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,380                                   3,400                                   3,420
ref_NC_057808.1_  ATTCTACACT TGTATGTTGG CATGTTATTT TTGTGGGAAT TTTATGTATC GTGGATTGGA 3420
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,440                                   3,460                                   3,480
ref_NC_057808.1_  CCACCTTGAC CCAAAATACT AGACCTGCAA GCTTGGGAGG CAGATGTGGT TCAACACACT 3480
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,500                                   3,520                                   3,540
ref_NC_057808.1_  CATTTTGACT TTGTTTTTGT TTTTGTTTTT GAAAGGAATA TAAAAAACAC ATTCAAGTCA 3540
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,560                                   3,580                                   3,600
ref_NC_057808.1_  AAGTCAAAAC ACATGAAATT GCAACTAGAT TCTTGTCAAA CATTGCAAAA AAGTGGTCCA 3600
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

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                                   3,620                                   3,640                                   3,660
ref_NC_057808.1_  AGTGGATGGT AAAGTTTTTT TCTTTAAAAG TGAGATTAAA TGGAATTCCC TCCACCTTTT 3660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,680                                   3,700                                   3,720
ref_NC_057808.1_  CTTTGCTCAA TTCATTGAAC CAAATACATT TTTTTGAGAC AAACTGAACC AAATACATAA 3720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,740                                   3,760                                   3,780
ref_NC_057808.1_  ACAGTGCTGC TGAATGAAAA AAAAATCCAT TTTCCAAGCA CGGGCCGAAG GCTCACCAAC 3780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,800                                   3,820                                   3,840
ref_NC_057808.1_  TACTGAACCA CCAATCGTCC CACAACCGGA GCCGGACGCC ATTCAGCTGC TGATAGGAGT 3840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,860                                   3,880                                   3,900
ref_NC_057808.1_  GGATGTCAAT GCTTAGAACG GCAGCCGCCG CCGCTACCTG GCAGCAAAAG GCGGTGGCCG 3900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

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                                                 3,920                                   3,940                                   3,960
ref_NC_057808.1_  CTGCTGTGGG TTGCTGTACA AGAAGACATT TCGAAGCTCG TCCTAAGCCA ATCAATCCAA 3960
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                                 3,980                                   4,000                                   4,020
ref_NC_057808.1_  CAACATTTTG GTACCACCAC CAGCAGAGAT TCGAGATCAA AGTCTCCACA CAGCATACAA 4020
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 650
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 559
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 810
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 740
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 749
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 780
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

ref_NC_057808.1_  CATGCAAACA CAGA 4034
BIG 8             ---------- ---- 650
BIG 8-1           ---------- ---- 559
SST 027           ---------- ---- 800
SST 027 EMS 2     ---------- ---- 810
SST 027 EMS 7     ---------- ---- 800
SST 027 SA 1      ---------- ---- 750
SST 0147          ---------- ---- 800
SST 0147 EMS 27   ---------- ---- 740
SST 0147 EMS 28   ---------- ---- 750
SST 877           ---------- ---- 749
SST 877 SA 11     ---------- ---- 800
SST 877 SA 12     ---------- ---- 780
Consensus         ---------- ----
100%
Conservation
0%
```

```
                                        20                                      40                                      60
ref_NC_057808.1_  TTATGATGTA  AAAACAATCT  CTAAATTGCT  GTTGTACAAA  AACTTGTATA  AAGGTGTATG  60
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           T---------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        80                                      100                                     120
ref_NC_057808.1_  AATATAACAT  GAAATAAAAG  TGAAATACGA  AATAATAGTA  GTAGCGCGGG  CTGAGAAAAG  120
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        140                                     160                                     180
ref_NC_057808.1_  CGCTACTATT  AATTACCAGT  AGCGCTCTTT  AGTGAAAGCG  CTACTACTAA  GTCGATATAG  180
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        200                                     220                                     240
ref_NC_057808.1_  CAGTAGCGTG  GATTAACAGA  CGCTACTGCT  AACCTTTAGC  TGTAGCGCCT  TACTAGTAGC  240
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                        260                                     280                                     300
ref_NC_057808.1_  GCCGTACCCA  GCGCTACTGA  TAGGCATTAT  TCCCGCGCTA  CTGCTAGGGT  TTTCCCTAGT  300
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                                  320                                 340                                 360
ref_NC_057808.1_  AGTGTAGATA  GATCTTGTGT  GATTGTAGGA  ATTGTTTTTG  AAATTACTGT  GTTCCCCAAC  360
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                                  380                                 400                                 420
ref_NC_057808.1_  AAAGGCGTGT  AGCAAACTCC  ACATAAATCA  AATGTTCTAG  GGTAACTAGC  AAAAGTGATG  420
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                                  440                                 460                                 480
ref_NC_057808.1_  AAAAGCACGT  ATTATCAGTT  TTGTCATCTT  CTAGGGATAG  CGTTGGATAT  ACAGCAGTGT  480
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                                  500                                 520                                 540
ref_NC_057808.1_  CGTCCGTTGG  ATCATAAACA  TTAATTTGAC  GACAAGTTAA  GCCCACACCC  CACGGCAAGT  540
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                                  560                                 580                                 600
ref_NC_057808.1_  CATGCAAATC  CCAATTAGGC  TTTGTCATGC  AATATTGTGC  AAATCCTCTT  TTCTAGTTAG  600
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

```
                                                  620                                                  640                                                  660
ref_NC_057808.1_  GACTTTACAC ACGGGTATAG CTATCTCAAG CTTGGAATTT AGTACTACGA ACCAGCTGTG 660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  680                                                  700                                                  720
ref_NC_057808.1_  TGGCGCAAAT CCTAATTATG CTATGCCATG CACATCTTCT TTACTAGTTA CAACTTTACA 720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  740                                                  760                                                  780
ref_NC_057808.1_  GGTTGGCACC GCTATCTCAA GCTTGGAATT CAGTATTGCT AATCAGTTGT GTGATTTTAA 780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  800                                                  820                                                  840
ref_NC_057808.1_  GAAAAACGATC AATGCTTCTA AAACGATCAG TTAAAAAGGTT ACGAGGCGCG TAGTGATCTC 840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                                  860                                                  880                                                  900
ref_NC_057808.1_  CCACAAATCC GATGTTCTAC AGAACTCAGA CGTACGGGAA GATCAGACCG AAAGCGCCAC 900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                        920                                 940                                 960
ref_NC_057808.1_  ACTAACTTGA GAAAGGATAA GCTCAGGTTT CTTACATATA TACGAAATGA CACAACGATG 960
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        980                                 1,000                               1,020
ref_NC_057808.1_  ACTAATTAAA CAAGAGACAA CAAACCACTT ATCTTGCTTT ATGACGCAGA TGCTTCGAAC 1020
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        1,040                               1,060                               1,080
ref_NC_057808.1_  CTTTGCATGT GGCTCCTGTT AAATAGCCAC AATTCACCCA TGAAAACAAC ACTTCCCATT 1080
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        1,100                               1,120                               1,140
ref_NC_057808.1_  CATCCCTTTT TTTCTCAACT CTAACAAAAG CCCAACGAAC CTCCATCCTA GCCATGGCAA 1140
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        1,160                               1,180                               1,200
ref_NC_057808.1_  CCACCCTCGC CACTGACGTT CGCCTCTCCA TTGCGCACCA GACCCGCTTT GCCTTCCGCC 1200
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                        1,220                                   1,240                                   1,260
ref_NC_057808.1_  TCGCCTCCGC TATCTCATCC AACCCCGAGT CTACTGTCAA CAATGCCGCA TTCTCTCCAG 1260
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                        1,280                                   1,300                                   1,320
ref_NC_057808.1_  TCTCCCTCCA TGTCGCGCTA AGCCTCATCA CCGCTGGCGC GGGGGGCGCC ACCCGCAACC 1320
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                        1,340                                   1,360                                   1,380
ref_NC_057808.1_  AACTCGCCGC TACACTGGGG GAAGGCGAGG TTGAGGGACT CCACGCACTC GCCGAGCAGG 1380
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                        1,400                                   1,420                                   1,440
ref_NC_057808.1_  TGGTGCAGTT CGTCCTCGCC GACGCGTCCA ACATCGGCGG CCCGCGCGTC GCCTTCGCCA 1440
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
                                        1,460                                   1,480                                   1,500
ref_NC_057808.1_  ACGGCGTCTT CGTGGACGCG TCGCTGCAGC TCAAGCCATC CTTCCAGGAG CTCGCAGTGT 1500
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

```
                                   1,520                                   1,540                                   1,560
ref_NC_057808.1_  GCAAGTACAA  GGCCGAGGCC  CAGTCCGTGG  ACTTCCAAAC  TAAGGTGATC  CCCCTTCCTT  1560
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,580                                   1,600                                   1,620
ref_NC_057808.1_  GTCTTGCTCC  TTCTCAAAAT  GACGGCAAGG  TTTTTACCAG  CAAACAAATA  CAGAGTAAAA  1620
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,640                                   1,660                                   1,680
ref_NC_057808.1_  GAATTTGTCC  GTTATCTATG  GCATAATTAT  GTTGAGGCTG  AAGTATGGCA  TGCCATTGTT  1680
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,700                                   1,720                                   1,740
ref_NC_057808.1_  TCTCTCAAAG  TGCTTGTTTT  GTGCTGATGT  AATATAGAGG  TACTGTGTTT  ATGTTGACAT  1740
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

                                   1,760                                   1,780                                   1,800
ref_NC_057808.1_  TTAACTAAGC  CTCCAAAATT  TGTTACAGTC  CTTTTCCATT  GAAATTTAGT  GGGTATTTCT  1800
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  -
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  1
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  -
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  -
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
```

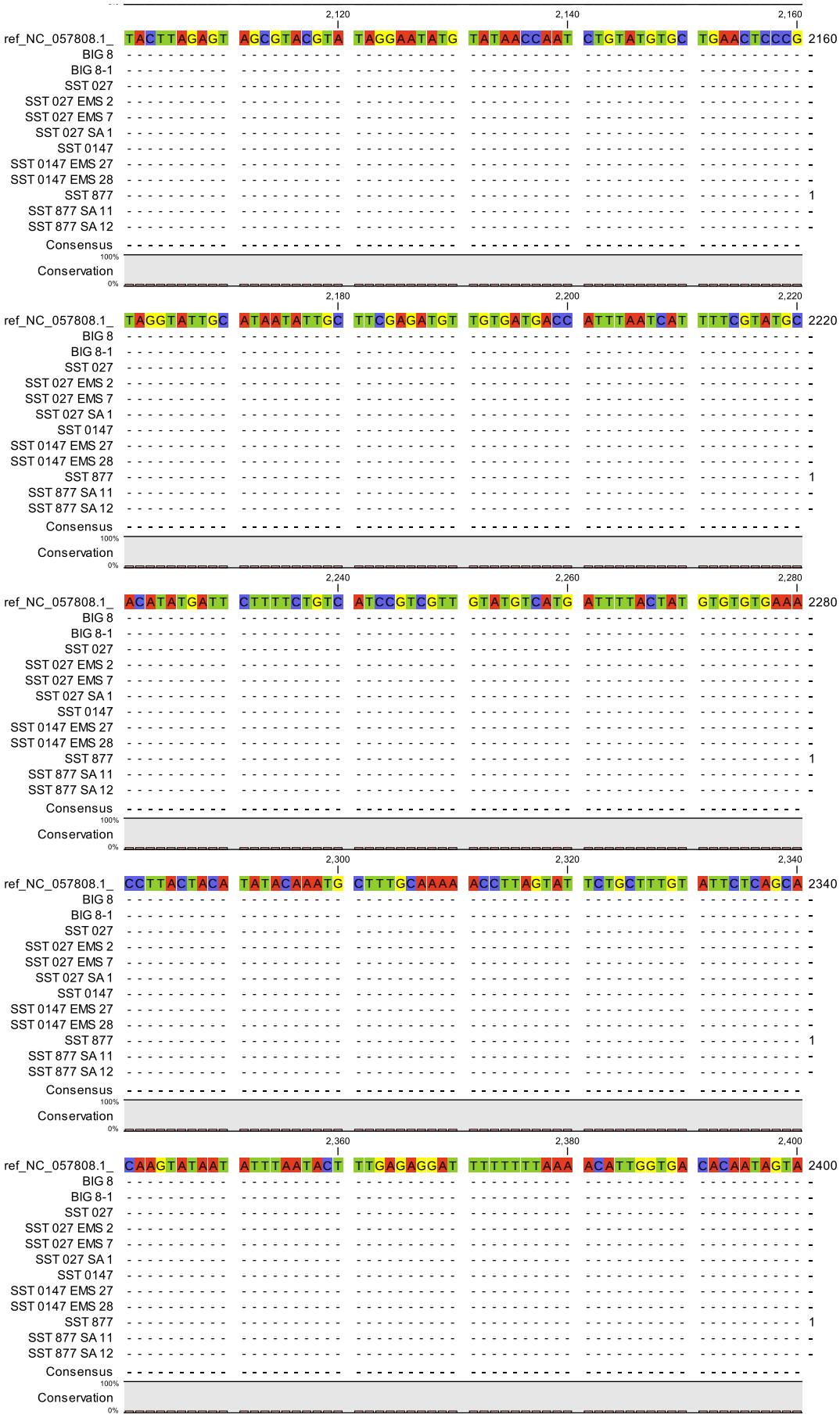
```
                                   1,820                                   1,840                                   1,860
ref_NC_057808.1_  GTACCACTGT TTTTAACACT AGATGTTTTA GAACAATTTA CAACTTTCTA TAGGTACATA 1860
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   1,880                                   1,900                                   1,920
ref_NC_057808.1_  CATATAGTAT TTCGGTTGGT TGGGTAAAAT AAAATAGGTT CGACTTAATA TATCATACTT 1920
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   1,940                                   1,960                                   1,980
ref_NC_057808.1_  TAAACCGTTT AGGCTGCTTG TACAATTTAT TTTTGTCTAG CTCAAACTTG TAATATGCAT 1980
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,000                                   2,020                                   2,040
ref_NC_057808.1_  GGAGTACTTA TTAATCCCTT GTCATTTTTG TCCAACTTAA TTATTGAATT TTAGTTGTTG 2040
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,060                                   2,080                                   2,100
ref_NC_057808.1_  TTTACGTAAA TTTACGATAC TTTGGTAACA TTCATCGTTG TGCTGGCATG TTGCTTGTTG 2100
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 1
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```


2,120 2,140 2,160
ref_NC_057808.1_ TACTTAGAGT AGCGTACGTA TAGGAATATG TATAACCAAT CTGTATGTGC TGAACTCCCG 2160
BIG 8
BIG 8-1
SST 027
SST 027 EMS 2
SST 027 EMS 7
SST 027 SA 1
SST 0147
SST 0147 EMS 27
SST 0147 EMS 28
SST 877 1
SST 877 SA 11
SST 877 SA 12
Consensus
100%
Conservation
0%
2,180 2,200 2,220
ref_NC_057808.1_ TAGGTATTGC ATAATATTGC TTCGAGATGT TGTGATGACC ATTTAATCAT TTTCGTATGC 2220
2,240 2,260 2,280
ref_NC_057808.1_ ACATATGATT CTTTTCTGTC ATCCGTCGTT GTATGTCATG ATTTTACTAT GTGTGTGAAA 2280
2,300 2,320 2,340
ref_NC_057808.1_ CCTTACTACA TATACAAATG CTTTGCAAAA ACCTTAGTAT TCTGCTTTGT ATTCTCAGCA 2340
2,360 2,380 2,400
ref_NC_057808.1_ CAAGTATAAT ATTTAATACT TTGAGAGGAT TTTTTTTAAA ACATTGGTGA CACAATAGTA 2400

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                                   2,420                                   2,440                                   2,460
ref_NC_057808.1_  CTTTCAATGT ATTCACATAA CATAATTGAC CTTTCTTTAT TTTGACTTGG TCTAGGCCGC 2460
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           ---------- ---------- ---------- ---------- --------GG TCTAGGCCGC 13
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,480                                   2,500                                   2,520
ref_NC_057808.1_  GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 2520
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 EMS 2     ---------- ---------- ---------- -GAGAAAGTC ACAACCGGTC TCATCAAAGA 29
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877           GGAAGTTACT GCTCAAGTGA ACTCATGGGT AGAGAAAGTC ACAACCGGTC TCATCAAAGA 73
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   2,540                                   2,560                                   2,580
ref_NC_057808.1_  TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 2580
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- -
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           ---------- --------TA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 42
SST 027 EMS 2     TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 89
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027 SA 1      ---------- ---------- TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 40
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- -
SST 0147 EMS 27   ---------- ---------- TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTT-A 39
SST 0147 EMS 28   ---------- ---------- --GACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 38
SST 877           TATTCTCCCC GCCGGATCTA TTGACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTTTA 133
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- -
Consensus         ---------- ---------- --GACAATAC CACTAGACTT GTTCTTGGCA ATGCCCTT-A
100%
Conservation
0%

                                   2,600                                   2,620                                   2,640
ref_NC_057808.1_  TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 2640
BIG 8             ---------- ---------- ---------- -------CAA ACACAAAGCG AYGACTTCTA 23
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 102
SST 027 EMS 2     TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 149
SST 027 EMS 7     -------GGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 53
SST 027 SA 1      TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 100
SST 0147          ---------- -CTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 49
SST 0147 EMS 27   TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 99
SST 0147 EMS 28   TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA 98
SST 877           TTTCAAAGGA GCTTGGACAG ATCAGTT-GA TCCACGTGCA ACACAAAGCG ACGACTTCTA 192
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- -
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- --GACTTCTA 8
Consensus         TTTCAAAGGA GCTTGGACAG ATCAGTTTGA TCCACGTGCA ACACAAAGCG ACGACTTCTA
100%
Conservation
0%

                                   2,660                                   2,680                                   2,700
ref_NC_057808.1_  CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 2700
BIG 8             CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 83
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- -
SST 027           CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 162
SST 027 EMS 2     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 209
SST 027 EMS 7     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 113
SST 027 SA 1      CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 160
SST 0147          CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 109
SST 0147 EMS 27   CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 159
SST 0147 EMS 28   CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 158
SST 877           CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 252
SST 877 SA 11     -CTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 59
SST 877 SA 12     CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT 68
Consensus         CCTTCTTGAT GGGAGCTCAA TTCAAACACC ATTCATGTAC AGCTCAGAAG AACAATACAT
100%
Conservation
0%
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                                   2,720                                   2,740                                   2,760
ref_NC_057808.1_   TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 2760
BIG 8              TTCTTCTTCK GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCRAGGTG GGGACAAGAG 143
BIG 8-1            ---------- ----GCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 46
SST 027            TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 222
SST 027 EMS 2      TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 269
SST 027 EMS 7      TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 173
SST 027 SA 1       TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 220
SST 0147           TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 169
SST 0147 EMS 27    TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 219
SST 0147 EMS 28    TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 218
SST 877            TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 312
SST 877 SA 11      TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 119
SST 877 SA 12      TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG 128
Consensus          TTCTTCTTCT GATGGCTTGA AGGTGCTTAA GCTTCCTTAC AAGCAAGGTG GGGACAAGAG
100%
Conservation
0%

                                   2,780                                   2,800                                   2,820
ref_NC_057808.1_   GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 2820
BIG 8              GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 203
BIG 8-1            GCAGTTCTCC AKGTACATCM TTCTCCCAGA AGCACTAAGT GGTCTSTGGA GCTTGGCAGA 106
SST 027            GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 282
SST 027 EMS 2      GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 329
SST 027 EMS 7      GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 233
SST 027 SA 1       GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 280
SST 0147           GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 229
SST 0147 EMS 27    GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 279
SST 0147 EMS 28    GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 278
SST 877            GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 372
SST 877 SA 11      GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 179
SST 877 SA 12      GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA 188
Consensus          GCAGTTCTCC ATGTACATCC TTCTCCCAGA AGCACTAAGT GGTCTCTGGA GCTTGGCAGA
100%
Conservation
0%

                                   2,840                                   2,860                                   2,880
ref_NC_057808.1_   AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 2880
BIG 8              AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 263
BIG 8-1            AAAKTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTWGCACT 166
SST 027            AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 342
SST 027 EMS 2      AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 389
SST 027 EMS 7      AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 293
SST 027 SA 1       AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 340
SST 0147           AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 289
SST 0147 EMS 27    AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 339
SST 0147 EMS 28    AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 338
SST 877            AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 432
SST 877 SA 11      AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 239
SST 877 SA 12      AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT 248
Consensus          AAAGTTGAGT GCCGAACCAG AGTTCCTGGA GCAGCATATC CCAAGGCAGA AGGTTGCACT
100%
Conservation
0%

                                   2,900                                   2,920                                   2,940
ref_NC_057808.1_   CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 2940
BIG 8              CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 323
BIG 8-1            CAGGCAATTC AAGCTCCCCA AGTTCAAGAW ATCCTTGGGA ATTGAAGCAT MTGATTTGCT 226
SST 027            CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 402
SST 027 EMS 2      CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 449
SST 027 EMS 7      CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 353
SST 027 SA 1       CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 400
SST 0147           CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 349
SST 0147 EMS 27    CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 399
SST 0147 EMS 28    CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 398
SST 877            CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 492
SST 877 SA 11      CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 299
SST 877 SA 12      CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT 308
Consensus          CAGGCAATTC AAGCTCCCCA AGTTCAAGAT ATCCTTGGGA ATTGAAGCAT CTGATTTGCT
100%
Conservation
0%

                                   2,960                                   2,980                                   3,000
ref_NC_057808.1_   CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 3000
BIG 8              CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 383
BIG 8-1            CAAAGGTTTG GGTMTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 286
SST 027            CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 462
SST 027 EMS 2      CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 509
SST 027 EMS 7      CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 413
SST 027 SA 1       CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 460
SST 0147           CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 409
SST 0147 EMS 27    CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 459
SST 0147 EMS 28    CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 458
SST 877            CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 552
SST 877 SA 11      CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 359
SST 877 SA 12      CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA 368
Consensus          CAAAGGTTTG GGTCTGCAAC TTCCATTCGG TGCTGAAGCA GATCTTTCGG AGATGGTGGA
100%
Conservation
0%
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                                   3,020                                   3,040                                   3,060
ref_NC_057808.1_  TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 3060
BIG 8             TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 443
BIG 8-1           TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 346
SST 027           TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 522
SST 027 EMS 2     TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 569
SST 027 EMS 7     TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 473
SST 027 SA 1      TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 520
SST 0147          TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 469
SST 0147 EMS 27   TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 519
SST 0147 EMS 28   TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 518
SST 877           TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 612
SST 877 SA 11     TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 419
SST 877 SA 12     TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT 428
Consensus         TTCCCCAATG GCACAGAACC TCTACATCTC ATCCATTTTT CACAAAGCAT TTGTCGAAGT
Conservation
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                                   3,080                                   3,100                                   3,120
ref_NC_057808.1_  GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 3120
BIG 8             GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 503
BIG 8-1           GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 406
SST 027           GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 582
SST 027 EMS 2     GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 629
SST 027 EMS 7     GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 533
SST 027 SA 1      GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 580
SST 0147          GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 529
SST 0147 EMS 27   GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 579
SST 0147 EMS 28   GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 578
SST 877           GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 672
SST 877 SA 11     GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 479
SST 877 SA 12     GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC 488
Consensus         GAATGAAACA GGAACTGAGG CTGCAGCAAC AACTATTGCT AAAGTAGTCC TGCGACAAGC
Conservation
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                                   3,140                                   3,160                                   3,180
ref_NC_057808.1_  ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 3180
BIG 8             ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 563
BIG 8-1           ACCGCCGCCM TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 466
SST 027           ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 642
SST 027 EMS 2     ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 689
SST 027 EMS 7     ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 593
SST 027 SA 1      ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 640
SST 0147          ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 589
SST 0147 EMS 27   ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 639
SST 0147 EMS 28   ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 638
SST 877           ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 732
SST 877 SA 11     ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 539
SST 877 SA 12     ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA 548
Consensus         ACCGCCGCCC TCGGTCTTGG ATTTCATCGT GGATCACCCT TTCCTCTTCC TTATCCGGGA
Conservation
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                                   3,200                                   3,220                                   3,240
ref_NC_057808.1_  AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 3240
BIG 8             AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 623
BIG 8-1           AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 526
SST 027           AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 702
SST 027 EMS 2     AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 749
SST 027 EMS 7     AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 653
SST 027 SA 1      AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 700
SST 0147          AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 649
SST 0147 EMS 27   AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 699
SST 0147 EMS 28   AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 698
SST 877           AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 792
SST 877 SA 11     AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 599
SST 877 SA 12     AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA 608
Consensus         AGACACTTCC GGTGTGGTTC TATTCATCGG TCATGTGGTC AATCCCCTCC TATCTTCGTA
Conservation
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                                   3,260                                   3,280                                   3,300
ref_NC_057808.1_  ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 3300
BIG 8             ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 683
BIG 8-1           ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 586
SST 027           ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 762
SST 027 EMS 2     ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 809
SST 027 EMS 7     ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 713
SST 027 SA 1      ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 760
SST 0147          ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 709
SST 0147 EMS 27   ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 759
SST 0147 EMS 28   ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 758
SST 877           ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 852
SST 877 SA 11     ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 659
SST 877 SA 12     ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT 668
Consensus         ATGTGTTTGC TCTGAAGTGT CTTGTCATTT GCCTCAGCTG TTACATGTAA GGGGAGGGTT
Conservation
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                                   3,320                                   3,340                                   3,360
ref_NC_057808.1_  TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA ATGTTCTATG CTTCTGATGA 3360
BIG 8             TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAA--- ---------- ---------- 720
BIG 8-1           TGGACAATCA ATCATGCTAC CCATGCAATA AA-------- ---------- ---------- 618
SST 027           TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAAT-- ---------- ---------- 800
SST 027 EMS 2     TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA A--------- ---------- 850
SST 027 EMS 7     TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAA--- ---------- ---------- 750
SST 027 SA 1      TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA ---------- ---------- 800
SST 0147          TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA A--------- ---------- 750
SST 0147 EMS 27   TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA A--------- ---------- 800
SST 0147 EMS 28   TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA AT-------- ---------- 800
SST 877           TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA ATGTTCTA-- ---------- 900
SST 877 SA 11     TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA A--------- ---------- 700
SST 877 SA 12     TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA AT-------- ---------- 710
Consensus         TGGACAATCA ATCATGCTAC CCATGCAATA AATCCAATAA A--------- ----------
100%
Conservation
0%

                                   3,380                                   3,400                                   3,420
ref_NC_057808.1_  ATTCTACACT TGTATGTTGG CATGTTATTT TTGTGGGAAT TTTATGTATC GTGGATTGGA 3420
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,440                                   3,460                                   3,480
ref_NC_057808.1_  CCACCTTGAC CCAAAATACT AGACCTGCAA GCTTGGGAGG CAGATGTGGT TCAACACACT 3480
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,500                                   3,520                                   3,540
ref_NC_057808.1_  CATTTTGACT TTGTTTTTGT TTTTGTTTTT GAAAGGAATA TAAAAAACAC ATTCAAGTCA 3540
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                   3,560                                   3,580                                   3,600
ref_NC_057808.1_  AAGTCAAAAC ACATGAAATT GCAACTAGAT TCTTGTCAAA CATTGCAAAA AAGTGGTCCA 3600
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
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                                        3,620                   3,640                   3,660
ref_NC_057808.1_  AGTGGATGGT AAAGTTTTTT TCTTTAAAAG TGAGATTAAA TGGAATTCCC TCCACCTTTT 3660
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,680                   3,700                   3,720
ref_NC_057808.1_  CTTTGCTCAA TTCATTGAAC CAAATACATT TTTTTGAGAC AAACTGAACC AAATACATAA 3720
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,740                   3,760                   3,780
ref_NC_057808.1_  ACAGTGCTGC TGAATGAAAA AAAAATCCAT TTTCCAAGCA CGGGCCGAAG GCTCACCAAC 3780
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,800                   3,820                   3,840
ref_NC_057808.1_  TACTGAACCA CCAATCGTCC CACAACCGGA GCCGGACGCC ATTCAGCTGC TGATAGGAGT 3840
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%

                                        3,860                   3,880                   3,900
ref_NC_057808.1_  GGATGTCAAT GCTTAGAACG GCAGCCGCCG CCGCTACCTG GCAGCAAAAG GCGGTGGCCG 3900
BIG 8             ---------- ---------- ---------- ---------- ---------- ---------- 720
BIG 8-1           ---------- ---------- ---------- ---------- ---------- ---------- 618
SST 027           ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 027 EMS 2     ---------- ---------- ---------- ---------- ---------- ---------- 850
SST 027 EMS 7     ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 027 SA 1      ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147          ---------- ---------- ---------- ---------- ---------- ---------- 750
SST 0147 EMS 27   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 0147 EMS 28   ---------- ---------- ---------- ---------- ---------- ---------- 800
SST 877           ---------- ---------- ---------- ---------- ---------- ---------- 900
SST 877 SA 11     ---------- ---------- ---------- ---------- ---------- ---------- 700
SST 877 SA 12     ---------- ---------- ---------- ---------- ---------- ---------- 710
Consensus         ---------- ---------- ---------- ---------- ---------- ----------
100%
Conservation
0%
```

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                                                 3,920                                   3,940                                   3,960
ref_NC_057808.1_  CTGCTGTGGG  TTGCTGTACA  AGAAGACATT  TCGAAGCTCG  TCCTAAGCCA  ATCAATCCAA  3960
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  720
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  618
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  800
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  850
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  750
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  750
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  900
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  700
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  710
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%
                                                 3,980                                   4,000                                   4,020
ref_NC_057808.1_  CAACATTTTG  GTACCACCAC  CAGCAGAGAT  TCGAGATCAA  AGTCTCCACA  CAGCATACAA  4020
BIG 8             ----------  ----------  ----------  ----------  ----------  ----------  720
BIG 8-1           ----------  ----------  ----------  ----------  ----------  ----------  618
SST 027           ----------  ----------  ----------  ----------  ----------  ----------  800
SST 027 EMS 2     ----------  ----------  ----------  ----------  ----------  ----------  850
SST 027 EMS 7     ----------  ----------  ----------  ----------  ----------  ----------  750
SST 027 SA 1      ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147          ----------  ----------  ----------  ----------  ----------  ----------  750
SST 0147 EMS 27   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 0147 EMS 28   ----------  ----------  ----------  ----------  ----------  ----------  800
SST 877           ----------  ----------  ----------  ----------  ----------  ----------  900
SST 877 SA 11     ----------  ----------  ----------  ----------  ----------  ----------  700
SST 877 SA 12     ----------  ----------  ----------  ----------  ----------  ----------  710
Consensus         ----------  ----------  ----------  ----------  ----------  ----------
100%
Conservation
0%

ref_NC_057808.1_  CATGCAAACA  CAGA  4034
BIG 8             ----------  ----  720
BIG 8-1           ----------  ----  618
SST 027           ----------  ----  800
SST 027 EMS 2     ----------  ----  850
SST 027 EMS 7     ----------  ----  750
SST 027 SA 1      ----------  ----  800
SST 0147          ----------  ----  750
SST 0147 EMS 27   ----------  ----  800
SST 0147 EMS 28   ----------  ----  800
SST 877           ----------  ----  900
SST 877 SA 11     ----------  ----  700
SST 877 SA 12     ----------  ----  710
Consensus         ----------  ----
100%
Conservation
0%
```