

1 30

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

31 60

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

61 90

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

91 120

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

121 150

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

151 180

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

181 210

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

211 240

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

241 270

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

271 300

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

301 330

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

331 360

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

361 390
Scol C G G A U A C U G A C C C U G C A G G C A U C U G G G A G
Sgris C G G A U A A C A - C U C U G U C C C G C A U G G G A C G G
SVit C G G A T A G C A T G C C T G G T - - - - -
Strept_C11 C G G A T A T G A C G G C T G G C C G C A T G G T C T G G G
A5_G07 - - - - -
u2_C05 T G G A T A G C A T G G G T G G T - - - - -
u2_C09 T G G A T A G C A T G G G T G G T - - - - -
u2_C02 C G G A T A G C A T G G T G G T - - - - -
u2_C08 T G G A T A G C A T G G T G G T - - - - -
C G G A T A G C A T G T G G T

391 420
Scol G U U C G A A A G C U C C G G C G G U G A A G G A U G A G C
Sgris G G U U A A A A G C U C C G G C G G U G A A G G A U G A G C
SVit G G T G G A A A G C T C C G G C G G T A C G A G A T G A G C
Strept_C11 C G T G G A A A G C T C C G G C G A T C T G G G A T G A G C
A5_G07 - - - - -
u2_C05 G G T G G A A A G T T C C G G C G G T A T G G G G T G G G C
u2_C09 G G T G G A A A G T T C C G G C G G T A T G G G G T G G G C
u2_C02 G G T G G A A A G T T T T - T C G G C T G G A G A T G G G C
u2_C08 G G T G G A A A G T T C C G G C G G T A T G G G G T G G G C
G G T G G A A A G T C C G G C G G T G G G A T G G C

421 450
Scol C C G C G G C C U A U C A G C U U G U U G G U G A G G U A A
Sgris C C G C G G C C U A U C A G C U U G U U G G U G G G G U A A
SVit C C G C G G C C T A T C A G C T T G T T G G T G G G G T G A
Strept_C11 C C G C G G C C T A T C A G C T T G T T G G T G G G G T G A
A5_G07 - C G G G C C T A T C A G C T T G T T G G T G A G G A A A
u2_C05 C C G C G G C C T A T C A G C T T G T T G G T G G G G T G A
u2_C09 C C G C G G C C T A T C A G C T T G T T G G T G G G G T G A
u2_C02 T C G G G C C T A T C A G C T T G T T G G T G G G G T G A
u2_C08 C C G C G G C C T A T C A G C T T G T T G G T G G G G T G A
C C G C G G C C T A T C A G C T T G T T G G T G G G G T G A

451 480
Scol U G G C U A C C A A G G C G A C G A C G G G U A G C C G G
Sgris U G G C C U A C C A A G G C G A C G A C G G G U A G C C G G
SVit T G C C T A C C A A G G C G A C G A C G G G T A G C C G G
Strept_C11 T G C C T A C C A A G G C G A C G A C G G G T A G C C G G
A5_G07 T G G C T C A C C A A G G C G A C G A C G G G T A G C C G G
u2_C05 T G C C T A C C A A G G C G A C G A C G G G T A G C C G G
u2_C09 T G C C T A C C A A G G C G A C G A C G G G T A G C C G G
u2_C02 T G C C C T A C C A A G G C G G G T G A C C G G T A G C C G G
u2_C08 T G C C C T A C C A A G G C G A C G A C G G G T A G C C G G
T G C C C T A C C A A G G C G A C G A C G G G T A G C C G G

481 510
Scol C C U G A G A G G G C G A C C G G C C A C A C U G G G A C U
Sgris C C U G A G A G G G C G A C C G G C C A C A C U G G G A C U
SVit C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
Strept_C11 C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
A5_G07 C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
u2_C05 C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
u2_C09 C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
u2_C02 C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
u2_C08 C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T
C C T G A G A G G G C G A C C G G C C A C A C T G G G A C T

511 540
Scol G A G A C A C G G C C C A G A C U C C U A C G G G A G G C A
Sgris G A G A C A C G G C C C A G A C U C C U A C G G G A G G C A
SVit G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A
Strept_C11 G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A
A5_G07 G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A
u2_C05 G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A
u2_C09 G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A
u2_C02 G A G C A C G G C C C A G A C T C C T A C G G G A G G C A
u2_C08 G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A
G A G A C A C G G C C C A G A C T C C T A C G G G A G G C A

541 570
Scol G C A G U G G G G A A U A U U G C A C A A U G G G G A A A
Sgris G C A G U G G G G A A U A U U G C A C A A U G G G G A A A
SVit G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A
Strept_C11 G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A
A5_G07 G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A
u2_C05 G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A
u2_C09 G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A
u2_C02 G C A G T G G G G A A T A T T G C A C A A T G G A C G A A A
u2_C08 G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A
G C A G T G G G G A A T A T T G C A C A A T G G G C G C A A

571 600
Scol C C C U G A U G C A G C G A C G C C G C G U G A G G G A U G
Sgris G C C U G A U G C A G C G A C G C C G C G U G A G G G A U G
SVit G C C T G A T G C A G C G A C G C C G G T G A G G G A T G
Strept_C11 G C C T G A T G C A G C G A C G C C G G T G A G G G A T G
A5_G07 G C C T G A T G C A G C G A C G C C G G T G A G G G A T G
u2_C05 G C C T G A T G C A G C G A C G C C G G T G A G G G A T G
u2_C09 G C C T G A T G C A G C G A C G C C G G T G A G G G A T G
u2_C02 G T C T G A T G C A G C G A C G C C G G T G A G G G A T G
u2_C08 G C C T G A T G C A G C G A C G C C G G T G A G G G A T G
G C C T G A T G C A G C G A C G C C G G T G A G G G A T G

601 630
Scol A C G G C C U U C G G G U U G U A A A C C U C U U U C A G C
Sgris A C G G C C U U C G G G U U G U A A A C C U C U U U C A G C
SVit A C G G C C T T C G G G T T G T A A A C C T C T T T C A G C
Strept_C11 A C G G C C T T C G G G T T G T A A A C C T C T T T C A G C
A5_G07 A C G G C C T T C G G G T T G T A A A C C T C T T T C A G C
u2_C05 A C G G C C T T C G G G T T G T A A A C C T C T T T C A C C
u2_C09 A C G G C C T T C G G G T T G T A A A C C T C T T T C A C C
u2_C02 A C G G C C T T C G G G T T G T A A A C C T C T T T C G C C
u2_C08 A C G G C C T T C G G G T T G T A A A C C T C T T T C A C C
A C G G C C T T C G G G T T G T A A A C C T C T T T C A G C

631 660
Scol A G G G A A G A A G C G A - - - - - A A G
Sgris A G G G A A G A A G C G A - - - - - G A G
SVit A G G A A G A A G C C T T G G C C T T T T G G T T G G G
Strept_C11 A G G A A G A A G C G C - - - - - A A G
A5_G07 A G G A A G A A G C G A - - - - - A A G
u2_C05 G C C G A C G A A G C G A - - - - - G A G
u2_C09 G C C G A C G A A G C G A - - - - - G A G
u2_C02 C G G A A C G A A G C G A - - - - - G A G
u2_C08 G C C G A C G A A G C G A - - - - - G A G
A G G A A G A A G C G A G A G G A G A G

661 690
Scol U G A C G G U A C C U G C A G A A G A A G C C C G G C U A
Sgris U G A C G G U A C C U G C A G A A G A A G C C C G G C U A
SVit T G A C G G T A C C T G C A G A A G A A G C A C C G G C T A
Strept_C11 T G A C G G T A C C T G C A G A A G A A G C A C C G G C T A
A5_G07 T G A C G G T A C C T G C A G A A G A A G C C C G G C T A
u2_C05 T G A C G G T A G G C G G G G A A G A A G C A C C G G C T A
u2_C09 T G A C G G T A G C C G G G G A A G A A G C A C C G G C T A
u2_C02 T G A C G G T A C C G G G A T A A G A A G C A C C G G C T A
u2_C08 T G A C G G T A G G C G G G G A A G A A G C A C C G G C T A
T G A C G G T A C C G C A G A A G A A G C A C C G G C T A

691 720
Scol A C U A C G U G C C A G C A G C C G C G G U A A U A C G U A
Sgris A C U A C G U G C C A G C A G C C G C G G U A A U A C G U A
SVit A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
Strept_C11 A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
A5_G07 A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
u2_C05 A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
u2_C09 A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
u2_C02 A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
u2_C08 A C T A C G T G C C A G C A G C C G C G T A A T A C G T A
A C T A C G T G C C A G C A G C C G C G T A A T A C G T A

721 750
Scol GGGCGCAAAGCGUUGUCCGGAUUUAUUGGGC
Sgris GGGCGCAAAGCGUUGUCCGGAUUUAUUGGGC
SVit GGGTGGGAGCAATTGTCGGAAATTAATTGGGC
Strept_C11 GGGTGGGAGCAATTGTCGGAAATTAATTGGGC
A5_G07 GGGCGCAAAGCGTTGTCGGAAATTAATTGGGC
u2_C05 GGGTGGGAGCAATTGTCGGAAATTAATTGGGC
u2_C09 GGGTGGGAGCAATTGTCGGAAATTAATTGGGC
u2_C02 GGGTGGGAGCAATTGTCGGAAATTAATTGGGC
u2_C08 GGGTGGGAGCAATTGTCGGAAATTAATTGGGC

751 780
Scol GUAAAAGAGCUUGUAGGCGGGCUUGUCACGUC
Sgris GUAAAAGAGCUUGUAGGCGGGCUUGUCACGUC
SVit GTAAAAGAGCTCGTAAGCGGGCTTGTCGGGTC
Strept_C11 GTAAAAGAGCTCGTAAGCGGGCTTGTCGGGTC
A5_G07 GTAAAAGAGCTCGTAAGCGGGCTTGTCACGTC
u2_C05 GTAAAAGAGCTCGTAAGCGGGTTTGTCGGGTC
u2_C09 GTAAAAGAGCTCGTAAGCGGGTTTGTCGGGTC
u2_C02 GTAAAAGAGCTCGTAAGCGGGTTTGTCGGGTC
u2_C08 GTAAAAGAGCTCGTAAGCGGGTTTGTCGGGTC

781 810
Scol GGUUGUGAAAAGCCC - GGGGCUUAAACCCGG
Sgris GGUUGUGAAAAGCCC - GGGGCUUAAACCCGG
SVit GGAATGTAAAAGCCC - GGGGCTTAAACCCGG
Strept_C11 GGAATGTAAAAGCCC GGGGCTTAAACCCGG
A5_G07 GGGTGTAAAAGACC - GGGGCTTAAACCCGG
u2_C05 GGCCTGTAAAAGCCT - ACCGCTTAAACCCGG
u2_C09 GGCCTGTAAAAGCCT - ACCGCTTAAACCCGG
u2_C02 TGCCTGTAAAAGCCT - GGGGCTTAAACCCGG
u2_C08 GGCCTGTAAAAGCCT - ACCGCTTAAACCCGG

811 840
Scol GUCUGCAUGUCGAUACGGGCAAGCUAGAUGU
Sgris GUCUGCAUUCGAUACGGGCAAGCUAGAUGU
SVit GTCGTGCATTCGATACGGGCAAGCTAGAGTT
Strept_C11 GTCGTGCATTCGATACGGGCAAGCTAGAGTT
A5_G07 TTCGTGCATTCGATACGGGCAAGCTAGAGTT
u2_C05 GCGTGGGTCGATACGGGCAAGACTTAGAGTT
u2_C09 GCGTGGGTCGATACGGGCAAGACTTAGAGTT
u2_C02 GCTTGGGTCGATACCTGGGCAAGACTTAGAGTT
u2_C08 GCGTGGGTCGATACGGGCAAGACTTAGAGTT

841 870
Scol CCGUAAGGGGAAGUCCGAAUCCUGUGUAG
Sgris UGGUAAGGGGAAGUCCGAAUCCUGUGUAG
SVit CCGTAAGGGGAAGCTGGAAATTCCTGGTGA
Strept_C11 CCGTAAGGGGAAGCTGGAAATTCCTGGTGA
A5_G07 TGGTAAGGGGAAGATCGAAATTCCTGGTGA
u2_C05 CCGTAAGGGGAAGCTGGAAATTCCTGGTGA
u2_C09 CCGTAAGGGGAAGCTGGAAATTCCTGGTGA
u2_C02 CCGTAAGGGGAAGCTGGAAATTCCTGGTGA
u2_C08 CCGTAAGGGGAAGCTGGAAATTCCTGGTGA

871 900
Scol CCGUGAAAUGGGCAGAUUAUCAGGAGGAACA
Sgris CCGUGAAAUGGGCAGAUUAUCAGGAGGAACA
SVit CCGTGAATAAGGCAGATATCAGGAGGAACA
Strept_C11 CCGTGAATAAGGCAGATATCAGGAGGAACA
A5_G07 CCGTGAATAAGGCAGATATCAGGAGGAACA
u2_C05 CCGTGAATAAGGCAGATATCAGGAGGAACA
u2_C09 CCGTGAATAAGGCAGATATCAGGAGGAACA
u2_C02 CCGTGAATAAGGCAGATATCAGGAGGAACA
u2_C08 CCGTGAATAAGGCAGATATCAGGAGGAACA

901 930
Scol CCGGUUGGGGAAAGGCGGAUCUCUGGGCCGAU
Sgris CCGGUUGGGGAAAGGCGGAUCUCUGGGCCAU
SVit CCGGTGGGGAAGGGGGTCTCTGGGCGGAT
Strept_C11 CCGGTGGGGAAGGGGGTCTCTGGGCGGAT
A5_G07 CCGGTGGGGAAGGGGGTCTCTGGGCCGAT
u2_C05 CCGGTGGGGAAGGGGGTCTCTGGGCGGAT
u2_C09 CCGGTGGGGAAGGGGGTCTCTGGGCGGAT
u2_C02 CCGGTGGGGAAGGGGGTCTCTGGGCGGAT
u2_C08 CCGGTGGGGAAGGGGGTCTCTGGGCGGAT

931 960
Scol ACUGACGCUAGGAGAGCGAAAAGCGUGGGGAG
Sgris ACUGACGCUAGGAGAGCGAAAAGCGUGGGGAG
SVit ACTGACGCTGAGGAGCGAAAAGCGTGGGGA
Strept_C11 ACTGACGCTGAGGAGCGAAAAGCGTGGGGA
A5_G07 ACTGACGCTGAGGAGCGAAAAGCGTGGGGA
u2_C05 ACTGACGCTGAGGAGCGAAAAGCGTGGGGA
u2_C09 ACTGACGCTGAGGAGCGAAAAGCGTGGGGA
u2_C02 ACTGACGCTGAGGAGCGAAAAGCGTGGGGA
u2_C08 ACTGACGCTGAGGAGCGAAAAGCGTGGGGA

961 990
Scol CGAACAGGAUUAAGUAACCCUGGUAGUCCAC
Sgris CGAACAGGAUUAAGUAACCCUGGUAGUCCAC
SVit CGAACAGGATTAAGATAACCTTGGTAGTCCAC
Strept_C11 CGAACAGGATTAAGATAACCTTGGTAGTCCAC
A5_G07 CGAACAGGATTAAGATAACCTTGGTAGTCCAC
u2_C05 CGAACAGGATTAAGATAACCTTGGTAGTCCAC
u2_C09 CGAACAGGATTAAGATAACCTTGGTAGTCCAC
u2_C02 CGAACAGGATTAAGATAACCTTGGTAGTCCAC
u2_C08 CGAACAGGATTAAGATAACCTTGGTAGTCCAC

991 1020
Scol GCCGUAAAAGGUGGGCACUAAGUGUGGGCA
Sgris GCCGUAAAAGGUGGGCACUAAGUGUGGGCA
SVit GCCGTAAAAGGTTGGGAACCTAGGTGTGGCG
Strept_C11 GCCGTAAAAGGTTGGGAACCTAGGTGTGGCG
A5_G07 GCCGTAAAAGGTTGGGAACCTAGGTGTGGCG
u2_C05 GCTGTAAAAGGTTGGGGCTAGGTGTGGGTG
u2_C09 GCTGTAAAAGGTTGGGGCTAGGTGTGGGTG
u2_C02 GCTGTAAAAGGTTGGGGCTAGGTGTGGGTG
u2_C08 GCTGTAAAAGGTTGGGGCTAGGTGTGGGTG

1021 1050
Scol ACAUUCACAGUUGUCCGUGCCGCAAGCUAAC
Sgris ACAUUCACAGUUGUCCGUGCCGCAAGCUAAC
SVit ACATTCCACGTTGTCCGTGCCGTAAGCTAAC
Strept_C11 ACATTCCACGTTGTCCGTGCCGTAAGCTAAC
A5_G07 ACATTCCACGTTGTCCGTGCCGTAAGCTAAC
u2_C05 ACATTCCACGTTGTCCGTGCCGTAAGCTAAC
u2_C09 ACATTCCACGTTGTCCGTGCCGTAAGCTAAC
u2_C02 ACATTCCACGTTGTCCGTGCCGTAAGCTAAC
u2_C08 ACATTCCACGTTGTCCGTGCCGTAAGCTAAC

1051 1080
Scol GCAUUAAGUG - CCCGCGCU GGGGAGUJACGG
Sgris GCAUUAAGUG - CCCGCGCU GGGGAGUJACGG
SVit GCATTAAAGTT - CCCCGCTTGGGAGTACGG
Strept_C11 GCATTAAAGTT - CCCCGCTTGGGAGTACGG
A5_G07 GCATTAAAGTT - CCCCGCTTGGGAGTACGG
u2_C05 GCATTAAAGG - CCCCGCTTGGGAGTACGG
u2_C09 GCATTAAAGG - CCCCGCTTGGGAGTACGG
u2_C02 GCATTAAAGG - CCCCGCTTGGGAGTACGG
u2_C08 GCATTAAAGG - CCCCGCTTGGGAGTACGG

1081 1110

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1111 1140

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1141 1170

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1171 1200

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1201 1230

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1231 1260

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1261 1290

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1291 1320

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1321 1350

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1351 1380

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1381 1410

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1411 1440

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1441 1470
 Scol G C C G G U A C A A U G A G C U G C G A U A C C G C A A G G
 Sgris G C C G G U A C A A U G A G C U G C G A U G C C G C G A G G
 SVit G C C G G T A C A G T G A G C T G C G A T A C C G T G A G G
 StrepT_C11 G C C G G T A C A A T G A G C T G C G A T A C C G T G A G G
 A5_G07
 u2_C05 G C T G G T A C A G T G G G T T G C G A T A C C G T G A G G
 u2_C09 G C T G G T A C A G T G G G T T G C G A T A C C G T G A G G
 u2_C02 G C T G G T A C A G A G G G T T G C G A T A C C G C G A G G
 u2_C08 G C T G G T A C A G T G G G T T G C G A T A C C G T G A G G
 G C G G T A C A G T G G T G C G A T A C C G T G A G G

1471 1500
 Scol U G G A G C G A A U C U C A A A A A G C C G G U C U C A G U
 Sgris C G G A G C G A A U C U C A A A A A G C C G G U C U C A G U
 SVit T G G A G C G A A T C T C T A A A A A G C C G G T C T C A G T
 StrepT_C11 T G G A G C G A A T C T C A A A A A G C C G G T C T C A G T
 A5_G07
 u2_C05 T G G A G C G A A T C C C T G A A A G C T G G T C T C A G T
 u2_C09 T G G A G C G A A T C C C T G A A A G C T G G T C T C A G T
 u2_C02 T G G A G C G A A T C C C T G A A A G C C G G T C T C A G T
 u2_C08 T G G A G C G A A T C C C T G A A A G C T G G T C T C A G T
 T G G A G C G A A T C C T A A A G C C G G T C T C A G T

1501 1530
 Scol U C G G A U U G G G G U C U G C A A C U C G A C C C C A U G
 Sgris U C G G A U U G G G G U C U G C A A C U C G A C C C C A U G
 SVit T C G G A T T G G G G T C T G C A A C T C G A C C C C A T G
 StrepT_C11 T C G G A T T G G G G T C T G C A A C T C G A C C C C A T G
 A5_G07
 u2_C05 T C G G A T T G G C A G T C T G C A A C T C G A C T G C G T G
 u2_C09 T C G G A T T G G C A G T C T G C A A C T C G A C T G C G T G
 u2_C02 T C G G A T T G G T A G T C T G C A A C T C G A C T G C G T G
 u2_C08 T C G G A T T G G C A G T C T G C A A C T C G A C T G C G T G
 T C G G A T T G G T C T G C A A C T C G A C C C C A T G

1531 1560
 Scol A A G U C G G A G U G C U A G U A A U C G C A G A U C A G
 Sgris A A G U C G G A G U G C U A G U A A U C G C A G A U C A G
 SVit A A G T C G G A G T C T C T A G T A A T C G C A G A T C A G
 StrepT_C11 A A G T C G G A G T C T C T A G T A A T C G C A G A T C A G
 A5_G07
 u2_C05 A A G T C G G A G T C G C T A G T A A T C G C A G A T C A G
 u2_C09 A A G T C G G A G T C G C T A G T A A T C G C A G A T C A G
 u2_C02 A A G T C G G A G T C G C T A G T A A T C G C A G A T C A G
 u2_C08 A A G T C G G A G T C G C T A G T A A T C G C A G A T C A G
 A A G T C G G A G T C G C T A G T A A T C G C A G A T C A G

1561 1590
 Scol C A U U G C U G C G G U G A A U A C G U U C C C G G G C C U
 Sgris C A U U G C U G C G G U G A A U A C G U U C C C G G G C C U
 SVit C A T T G C T G C G G T G A A T A C G T T C C C G G G C C T
 StrepT_C11 C A T T G C T G C G G T G A A T A C G T T C C C G G G C C T
 A5_G07
 u2_C05 C A A C G C T G C G G T G A A T A C G T T C C C G G G C C T
 u2_C09 C A A C G C T G C G G T G A A T A T G T T C C C G G G C C T
 u2_C02 C A A C G C T G C G G T G A A T A C G T T C C C G G G C C T
 u2_C08 C A A C G C T G C G G T G A A T A C G T T C C C G G G C C T
 C A G C T G C G G T G A A T A C G T T C C C G G G C C T

1591 1620
 Scol U G U A C A C A C C G C C C G U C A C G U C A C G A A A G U
 Sgris U G U A C A C A C C G C C C G U C A C G U C A C G A A A G U
 SVit T G T A C A C A C C G C C C G T C A C G T C A C G A A A G T
 StrepT_C11 T G T A C A C A C C G C C C G T C A C G T C A C G A A A G T
 A5_G07
 u2_C05 T G T A C A C A C C G C C C G T C A C G T C A T G A A A G T
 u2_C09 T G T A C A C A C C G C C C G T C A C G T C A C G A A A G T
 u2_C02 T G T A C A C A C C G C C C G T C A C G T C A C G A A A G T
 u2_C08 T G T A C A C A C C G C C C G T C A C G T C A C G A A A G T
 T G T A C A C A C C G C C C G T C A C G T C A C G A A A G T

1621 1650
 Scol C G G U A A C A C C C G A A G C C G G - - - - U G G C C C
 Sgris C G G U A A C A C C C G A A G C C G G - - - - U G G C C C
 SVit C G G T A A C A C C C G A A G C C G G
 StrepT_C11 C G G T A A C A C C C G A A G C C G G T G G C C C C A A C C
 A5_G07
 u2_C05 C G G T A A C A C C C G A A G C C C A
 u2_C09 C G G T A A C A C C C G A A G C C C A
 u2_C02 C G G T A A C A C C C G A A G C C C A
 u2_C08 C G G T A A C A C C C G A A G C C C A
 C G G T A A C A C C C G A A G C C

1651 1680
 Scol A A C C C C U U G U G G G A G G A G C U G U C G A A G G U
 Sgris A A C C C C U U G U G G G A G G G A G C U G U C G A A G G U
 SVit A C A C T C G T G G T G G G G G A G C C G T C G A A G G T
 StrepT_C11 A C A C T C G T G G T G G G G G A G C C G T C G A A G G T
 A5_G07
 u2_C05
 u2_C09
 u2_C02
 u2_C08

1681 1710
 Scol G G G A C U G G C G A U U G G G A C G A A G U C G U A A C A
 Sgris G G G A C U G G C G A U U G G G A C G A A G U C G U A A C A
 SVit G G G A C C A G C G A T T G G G A C G A A G T C G T A A C A
 StrepT_C11 G G G A C C A G C G A T T G G G A C G A A G T C G T A A C A
 A5_G07
 u2_C05
 u2_C09
 u2_C02
 u2_C08

1711 1740
 Scol A G G U A G C C G U A C C G G A A G G U G G G - - - -
 Sgris A G G U A G C C G U A C C G G A A G G U G C G G C U G G A U
 SVit A G G T A G C C G T A C C G G A A G G T G C G G G T G G A T
 StrepT_C11 A G G T A G C C G T A C C G G A A G G T G C G G G T G G A T
 A5_G07
 u2_C05
 u2_C09
 u2_C02
 u2_C08

1741 1770
 Scol
 Sgris C A C C U C C U U U C U A A G G A
 SVit
 StrepT_C11 C A C C T C C T T T C T A A G G A G C A C A T A G C C A G C
 A5_G07
 u2_C05
 u2_C09
 u2_C02
 u2_C08

1771 1800
 Scol
 Sgris
 SVit
 StrepT_C11 C C G G A G C G A A C G T C T C C G G G T G G T T G C T C A
 A5_G07
 u2_C05
 u2_C09
 u2_C02
 u2_C08

1801 1830

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1831 1860

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1861 1890

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1891 1920

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1921 1950

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08

1951 1962

Scol
Sgris
SVit
Strept_C11
A5_G07
u2_C05
u2_C09
u2_C02
u2_C08