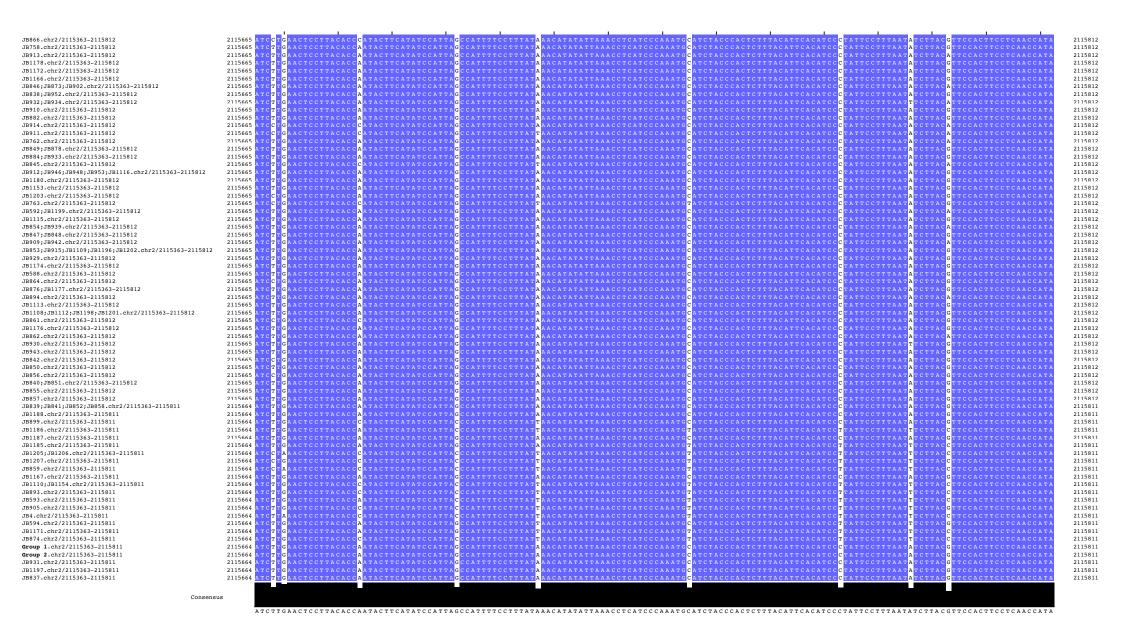
| JB866.chr2/2115363-2115812   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT   | TCATTCTCCCTCCAATTTTCCCTTTTTGTGT                                  | G C G C C C T T C T A                                | A C T T C C C C T T C C C T C T A      | ACGAG  | TA 2115513                 |
|--|----------------------------|--|---|---------------|--|--|--|--|--------|----------------------------|
| JB758.chr2/2115363-2115812   | 2115363 ТТТ                |  |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C C T T C T A                                | A C T T C C C C T T C C C T C T A      | ACGAG  | TA 2115513                 |
| JB913.chr2/2115363-2115812<br>JB1178.chr2/2115363-2115812                                      | 2115363 TTT<br>2115363 TTT | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA TCCTTTGTTTTCTCTCGTTCGTTTCCA | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G <b>T</b> G T C A T '                       |  |  | CCTTCCCCTTCCCTCTA<br>CCTTCCCCTTCCCTCTA |        | ATA 2115513<br>ATA 2115513 |
| JB1172.chr2/2115363-2115812  |                            | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT:   |  |  | CCTTCCCCTTCCCTCTA                      |        | TA 2115513                 |
| JB1166.chr2/2115363-2115812  | 2115363 ттт                |  |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C C T T C T A                                | C C T T C C C C T T C C C T C T A      | ACGAGA | ATA 2115513                |
| JB846;JB873;JB902.chr2/2115363-2115812   |                            | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT   |  | GCGCCCTTCTA  | CCTTCCCCTCCA                           |        | ATA 2115513                |
| JB838; JB952.chr2/2115363-2115812<br>JB932; JB934.chr2/2115363-2115812                         | 2115363 TTT<br>2115363 TTT | ' TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T °<br>T A T G C T G T T C G <b>T</b> G T C A T °                       |  | 'G <mark>CG</mark> CCCTTCTA<br>'GCGCCCTTCTA          | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB910.chr2/2115363-2115812   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT  |  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | TA 2115513                 |
| JB882.chr2/2115363-2115812   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  |  | G C G C C C T T C T A                                | C C T T C C C C T T C C C T C T A      |        | ATA 2115513                |
| JB914.chr2/2115363-2115812<br>JB911.chr2/2115363-2115812                                       | 2115363 TTT<br>2115363 TTT | 'TTTGTAATATAAATGTATAGTCTTTC  | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G <b>T</b> G T C A T '                       |  | 'G C G C C C T T C T A<br>'G C G C C C T T C T A     | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513<br>ATA 2115513 |
| JB762.chr2/2115363-2115812<br>JB762.chr2/2115363-2115812                                       | 2115363 ТТТ                | ° T T T G T A A T A T A A A T G T A T A G T C T T T C  | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT <sup>*</sup>  |  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB849; JB878.chr2/2115363-2115812  | 2115363 ттт                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T <sup>e</sup>  | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C C T T C T A                                | C C T T C C C C T T C C C T C T A      | ACGAGA | ATA 2115513                |
| JB884; JB933.chr2/2115363-2115812  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | GCGCCTTCTA   | C C T T C C C C T T C C C T C T A      |        | TA 2115513                 |
| JB845.chr2/2115363-2115812<br>JB912;JB946;JB948;JB953;JB1116.chr2/2115363-2115812              | 2115363 TTT<br>2115363 TTT | ' T T T G T A A T A T A A A T G T A T A G T C T T T C  | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G <b>T</b> G T C A T '                       | T  | G C G C C C T T C T A                                | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513<br>ATA 2115513 |
| JB1180.chr2/2115363-2115812  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT  | TCATTCTCCCTCCAATTTTCCCTTTTTGTGT                                  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | TA 2115513                 |
| JB1153.chr2/2115363-2115812  | 2115363 ТТТ                | TTTGTAATAAAATGTATAGTCTTTC  |   | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T <sup>e</sup>  |  | G C G C C C T T C T A                                | C C T T C C C C T T C C C T C T A      | ACGAGA | ATA 2115513                |
| JB1203.chr2/2115363-2115812  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT   |  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB763.chr2/2115363-2115812<br>JB592;JB1199.chr2/2115363-2115812                                | 2115363 TTT<br>2115363 TTT | · T T T G T A A T A T A A A T G T A T A G T C T T T C<br>· T T T G T A A T A T A A A T G T A T A G T C T T T C | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T !<br>T A T G C T G T T C G <b>T</b> G T C A T !                       |  | G C G C C C T T C T A                                | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513<br>ATA 2115513 |
| JB1115.chr2/2115363-2115812  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT:   |  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB854;JB939.chr2/2115363-2115812   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T :   | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C T T C T A                                  | C C T T C C C C T T C C C T C T A      |        | ATA 2115513                |
| JB847; JB848.chr2/2115363-2115812  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTGAT       | TATGCTGTTCG <mark>T</mark> GTCAT   |  | GCGCCCTTCTA  |  |        | ATA 2115513                |
| JB909; JB942.chr2/2115363-2115812<br>JB853; JB915; JB1109; JB1196; JB1202.chr2/2115363-2115812 | 2115363 TTT<br>2115363 TTT | 'TTTGTAATATAAATGTATAGTCTTTC  | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT <sup>*</sup>  | T C A T T C T C C C T C C A A T T T T C C C T T T T              | G C C C C C T T C T A                                |  |        | ATA 2115513<br>ATA 2115513 |
| JB929.chr2/2115363-2115812   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT:   | TCATTCTCCCTCCAATTTTCCCTTTTTGTGT                                  | GCGCCCTTCTA  |  |        | TA 2115513                 |
| JB1174.chr2/2115363-2115812  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C C T T C T A                                |  |        | ATA 2115513                |
| JB588.chr2/2115363-2115812   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  |  | GCTCCCTTCTA  |  |        | ATA 2115513                |
| JB864.chr2/2115363-2115812<br>JB876;JB1177.chr2/2115363-2115812                                | 2115363 TTT<br>2115363 TTT | ' TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G <b>T</b> G T C A T '                       |  | GCTCCCTTCTA<br>GCTCCCTTCTA                           |  |        | ATA 2115513<br>ATA 2115513 |
| JB894.chr2/2115363-2115812   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT:   |  | GCTCCCTTCTA  |  |        | ATA 2115513                |
| JB1113.chr2/2115363-2115812  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C T C C C T T C T A                                | C C T T C C C C T T C C C T C T A      |        | ATA 2115513                |
| JB1108; JB1112; JB1198; JB1201.chr2/2115363-2115812  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT   |  | GCTCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB861.chr2/2115363-2115812<br>JB1176.chr2/2115363-2115812                                      | 2115363 TTT<br>2115363 TTT | TTTGTAATATAAATGTATAGTCTTTC<br>TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T <sup>*</sup><br>T A T G C T G T T C G <b>T</b> G T C A T <sup>*</sup> |  | GCTCCCTTCTA<br>GCTCCCTTCTA                           | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513<br>ATA 2115513 |
| JB862.chr2/2115363-2115812   |                            | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCGTGTCAT  |  |  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB930.chr2/2115363-2115812   |                            | TTTGTAATATAAATGTATAGTCTTTC   |   | TGGTTTGTGAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  |  |  | C C T T C C C C T T C C C T C T A      |        | TA 2115513                 |
| JB943.chr2/2115363-2115812<br>JB842.chr2/2115363-2115812                                       | 2115363 TTT<br>2115363 TTT | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGGTTTGTGAT   | T A T G C T G T T C G <mark>T</mark> G T C A T °<br>T A T G C T G T T C G <b>T</b> G T C A T °                       |  | GTTCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB850.chr2/2115363-2115812<br>JB850.chr2/2115363-2115812                                       |                            | TTTGTAATATAAATGTATAGTCTTTC<br>TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGTTGTCCAAT   | TATGCTGTTCG <b>T</b> GTCAT;<br>TATGCTGTTCG <b>T</b> GTCAT;   |  | 'G <mark>CG</mark> CCCTTCTA<br>'G <b>CG</b> CCCTTCTA | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB856.chr2/2115363-2115812   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGTTGTCCAAT   | TATGCTGTTCGTGTCAT  |  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB840; JB851.chr2/2115363-2115812  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TGTTGTCCAAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  |  | G C G C C C T T C T A                                | C C T T C C C C T T C C C T C T A      |        | TA 2115513                 |
| JB855.chr2/2115363-2115812<br>JB857.chr2/2115363-2115812                                       | 2115363 TTT<br>2115363 TTT | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TGTTGTCCAAT   | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G <b>T</b> G T C A T '                       |  | 'G <mark>CG</mark> CCCTTCTA<br>'GCGCCCTTCTA          | CCTTCCCCTTCCCTCTA                      |        | ATA 2115513                |
| JB839;JB841;JB852;JB858.chr2/2115363-2115811   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCAAA | TATGCTGTTCGTGTCAT:   |  | GCGCCCTTCTA  | CCTTCCCCTTCCCTCTA                      |        | TA 2115512                 |
| JB1188.chr2/2115363-2115811  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TG - TTTCCAAT | T A T G C T G T T C G <mark>T</mark> G T C A T :   |  | G C G C C C T T C T A                                | A C T T C C C C T T C C C T C T A      |        | AAA 2115512                |
| JB899.chr2/2115363-2115811   | 2115363 TTT                | TTTGTAATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  |  | GCGCCCTTCTA  | ACTTCCCCTTCCCTCTA                      |        | A A A 2115512              |
| JB1186.chr2/2115363-2115811<br>JB1187.chr2/2115363-2115811                                     | 2115363 TTT                | · T T T G T A A T A T A A A T G T A T A G T C T T T C<br>· T T T G T A A T A T A A A T G T A T A G T C T T T C | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G T G T C A T '                              |  | GCGCCCTTCTA  | A C T T C C C C T T C C C T C T A      |        | AAA 2115512                |
| JB1185.chr2/2115363-2115811  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | TATGCTGTTCGTGTCAT  |  | GCGCCCTTCTA  | ACTTCCCCTTCCCTCTA                      |        | AAA 2115512                |
| JB1205; JB1206.chr2/2115363-2115811  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   |   | TG-TTTCCAAT   | TATGCTGTTCG <mark>T</mark> GTCAT:  |  | G C G C C C T T C T A                                | A C T T C C C C T T C C C T C T A      |        | ATA 2115512                |
| JB1207.chr2/2115363-2115811<br>JB859.chr2/2115363-2115811                                      | 2115363 TTT<br>2115363 TTT | 'TTTGTAATATAAATGTATAGTCTTTC  | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCAAT | T A T G C T G T T C G <mark>T</mark> G T C A T !<br>T A T G C T G T T C G <b>T</b> G T C A T !                       |  | GCGCCCTTCTA  | ACTTCCCCTTCCCTCTA                      |        | ATA 2115512<br>ATA 2115512 |
| JB1167.chr2/2115363-2115811  | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | TATGCTGTTCGTGTCAT:   |  | GCGCCCTTCTA  | ACTICCCCTTCCCTCTA                      |        | ATA 2115512                |
| JB1110; JB1154.chr2/2115363-2115811  | 2115363 ТТТ                | TTTGTAATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCAAT | TATGCTGTTCG <mark>T</mark> GTCAT   |  | G C G C C C T T C T A                                | ACTTCCCCTTCCCTCTA                      | ACGAGA | ATA 2115512                |
| JB893.chr2/2115363-2115811   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | TATGCTGTTCG <mark>T</mark> GTCAT   |  | GCGCCCTTCTA  | ACTTCCCCTTCCCTCTA                      |        | ATA 2115512                |
| JB593.chr2/2115363-2115811<br>JB905.chr2/2115363-2115811                                       | 2115363 TTT<br>2115363 TTT | 'TTTGTAATATAAATGTATAGTCTTTC  | TCCTTTGTTTTCTCTCTCGTTCGTTTCCA                           | TG - TTTCCAAT | T A T G C T G T T C G <mark>T</mark> G T C A T '<br>T A T G C T G T T C G <b>T</b> G T C A T '                       |  | GCGCCCTTCTA  | ACTTCCCCTTCCCTCTA                      |        | ATA 2115512<br>ATA 2115512 |
| JB4.chr2/2115363-2115811<br>JB4.chr2/2115363-2115811   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCAAT | TATGCTGTTCGTGTCAT  | TCATTCTCCCTCCAATTTTCCCTTTTTGTGT                                  | GCGCCCTTCTA  |  |        | ATA 2115512                |
| JB594.chr2/2115363-2115811   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | TATGCTGTTCG <mark>T</mark> GTCAT   | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C C T T C T A                                |  |        | ATA 2115512                |
| JB1171.chr2/2115363-2115811  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | TATGCTGTTCG <mark>T</mark> GTCAT   | T C A T T C T C C C T C C A A T T T T C C C T T T T              | GCGCCCTTCTA  |  |        | ATA 2115512                |
| JB874.chr2/2115363-2115811<br>Group 1.chr2/2115363-2115811                                     | 2115363 TTT<br>2115363 TTT | 'TTTGTAATATAAATGTATAGTCTTTC  | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCAAT | TATGCTGTTCGTGTCAT'   | T C A T T C T C C C T C C A A T T T T C C C T T T T              | G C G C C C T T C T A                                |  |        | ATA 2115512<br>ATA 2115512 |
| Group 2.chr2/2115363-2115811   | 2115363 TTT                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCAAT | TATGCTGTTCGTGTCAT:   | TCATTCTCCCTCCAATTTTCCCTTTTTGTGT                                  | GCGCCCTTCTA  |  |        | ATA 2115512                |
| JB931.chr2/2115363-2115811   | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG-TTTCCAAT   | T A T G C T G T T C G <mark>T</mark> G T C A T :   | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | G C G C C C T T C T A                                | C C T T C C C C T T C C C T C T A      | ACGAGA | ATA 2115512                |
| JB1197.chr2/2115363-2115811  | 2115363 ТТТ                | TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             |               | TATGCTGTTCG <mark>T</mark> GTCAT   |  | GCGCCCTTCTA  |  |        |                            |
| JB837.chr2/2115363-2115811   | 2115363 TTT                | : TTTGTAATATAAATGTATAGTCTTTC   | TCCTTTGTTTTCTCTCGTTCGTTTCCA                             | TG - TTTCCCAT | TATGCTGTTCG <mark>C</mark> GTCAT   | T C <mark>A</mark> T T C T C C C T C C A A T T T T C C C T T T T | GCGCCTTCTA   | ACTTCCCCTTCCCTCTA                      | ACGAG  | ATM 2115512                |

Consensus

|   |  | 1  |  | 1                     | 1  |          |  | 1  |                   |                           |                           | _1                             | _                  |
|---|--|--|--|-----------------------|--|----------|--|--|-------------------|---------------------------|---------------------------|--------------------------------|--------------------|
| JB866.chr2/2115363-2115812                                      | 2115514 T T T G C T T C G C T              | A C G C T A <mark>C</mark> G C A C T C C C T A C C   | A <mark>T</mark> A A T A T A C T C A C T A A   | C ATTATACTTT          | CACTACATCTCATTACT  | ATTCCTAC | C <mark>C</mark> A T A C A C A C T A T A | T T T C A A C A C T T T C C T C I  | ACTCAACCA         | T T C C A T C A A C C A T | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB758.chr2/2115363-2115812                                      | 2115514 TTTGCTTCGCT                        | A C G C T A <mark>C</mark> G C A C T C C C T A C C   | A T A A T A T A C T C A C T A A (              | C A T T A T A C T T T | CACTACATCTCATTACT  | ATTCCTAC | C C A T A C A C A C T A T A              | T T T C A A C A C T T T C C T C A  | ACTCAACCA         | TTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB913.chr2/2115363-2115812                                      | 2115514 C TTGCTTCGCT                       | A C G C T A <mark>C</mark> G C A C T C C C T A C C   | A A A A T A T A C T C A C T A A                | TATTATACTTT           | CACTACATCTCATTACT  | ATTCCAA  | C C A T A C A C A C T A T A              | T T T C A A C A C T T T C C T C A  | ACTCAACCA         | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB1178.chr2/2115363-2115812                                     | 2115514 C T T G C T T C G C T              | ACGCTA <mark>C</mark> GCACTCCCTACC   | A A A T A T A C T C A C T A A                  | TATTATACTTT           | CACTACATCTCATTACT  | ATTCCAA  | C C A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | ACTCAACCA         | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB1172.chr2/2115363-2115812                                     | 2115514 CTTGCTTCGCT                        | ACGCTA <mark>C</mark> GCACTCCCTACC   | A A A A T A T A C T C A C T A A                | TATTATACTTT           | CACTACATCTCATTACT  |          | C C A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | ACTCACCCA         | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB1166.chr2/2115363-2115812                                     | 2115514 C T T G C T T C G C T              | ACGCTA <mark>C</mark> GCACTCCCTACC   | A A A A T A T A C T C A C T A A                | TATTATACTTT           | CACTACATCTCATTACT  | ATTCCAA  | C C A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | ACTCACCCA         | TTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB846; JB873; JB902.chr2/2115363-2115812                        | 2115514 CTTGCTTCGCT                        | ACGCTA <mark>C</mark> GCACTCCCTACC   | A A A T A T A C T C A C T A A                  | TATTATACTTT           | CACTACATCTCATTACT  | ATTCCAAC | C T A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | ACTCAACCA         | CTCCATCAACCAT             | сстстттстс                | CCATAC                         | 2115664            |
| JB838; JB952.chr2/2115363-2115812                               | 2115514 CTTGCTTCGCT                        | ACGCTA <mark>C</mark> GCACTCCCTACC   | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACT  |          | C T A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | ACTCAACCA         | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB932; JB934.chr2/2115363-2115812                               |  | ACGCTA <mark>C</mark> GCACTCCCTACC   | AAAATATACTCACTAA                               |                       | CACTACATCTCATTACT  |          | CTATACACACTATA                           | TTTCAACACTTTCCTC   | ACTCAACCA         | CTCCATCAACCAT             | сстстттстс                | CCATAC                         | 2115664            |
| JB910.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | AAAATATACTCACTAA                               | TATTATACTTT           | CACTACATCTCATTACTC   | ATTCCAAC | CTATACACACTATA                           | TTTCAACACTTTCCTC   | ACTCACCCA         | CTCCATCAACCAT             | ССТСТТТСТС                | CCATAC                         | 2115664            |
| JB882.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACGCTA <mark>C</mark> GCACTCCCTACC   | A A A A T A T A C T C A C T A A                | TATTATACTTT           | CACTACATCTCATTACTC   | ATTCCAAC | CTATACACACTATA                           | TTTCAACACTTTCCTC   | ACTCACCCA         | TTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB914.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | AAAATATACTCACTAA                               | TATTATACTTT           | CACTACATCTCATTACTC   | ATTCCAAC | CTATACACACTATA                           | TTTCAACACTTTCCTC   | ACTCACCTA         | TTCCATCAACCAT             | ССТСТТТСТС                | ACCATAC                        | 2115664            |
| JB911.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | A A A T A T A C T C A C T A A                  | TATTATACTTT           | CACTACATCTCATTACTC   | ATTCCAAC | CTATACACACTATA                           | TTTCAACACTTTCCTC   | ACTCACCTA         | TTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB762.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | A A A T A T A C T C A C T A A                  |                       | CACTACATCTCATTACTC   | ATTCCAAC | CTATACACACTATA                           | TTTCAACACTTTCCTC   | ACTCACCTA         | TTCCATCAACCAT             | ССТСТТТСТС                | ACCATAC                        | 2115664            |
| JB849;JB878.chr2/2115363-2115812                                | 2115514 CTTGCTTCGCT                        | A C G C T A C G C A C T C C C T A C C  | AAATATACTCACTAA                                |                       | CACTACATCTCATTACTC   | ATTCCAAC | СТАТАСАСАСТАТА                           | TTTCAACACTTTCCTC   | CTCACCTA          | TTCCATCAACCAT             | ССТСТТТСТС                | ACCATAC                        | 2115664            |
| JB884;JB933.chr2/2115363-2115812                                | 2115514 CTTGCTTCGCT                        | A C G C T A C G C A C T C C C T A C C  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   | ATTCCAA  | СТАТАСАСАСТАТА                           | TTTCAACACTTTCCTC   | CTCACCTA          | TTCCATCAACCAT             | сстстттстс.               | CCATAC                         | 2115664            |
| JB845.chr2/2115363-2115812                                      | 2115514 C T T G C T T C G C T              | A C G C T A C G C A C T C C C T A C C  | A A A T A T A C T C A C T A A                  |                       | CACTACATCTCATTACTC   | ATTCCTAC | CATACACACTATA                            | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | ССТСТТТСТС                | ACCATAC                        | 2115664            |
| JB912; JB946; JB948; JB953; JB1116.chr2/2115363-2115812         | 2115514 CTTGCTTCGCT                        | A C G C T A C G C A C T C C C T A C C  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   | ATTCCTAC | CATACACACTATA                            | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | сстстттстс.               | CCATAC                         | 2115664            |
| JB1180.chr2/2115363-2115812                                     | 2115514 CTTGCTTCGCT                        | A C G C T A C G C A C T C C C T A C C  | AAATATACTCACTAA                                |                       | CACTACATCTCATTACTC   | ATTCCTA  | ССАТАСАСАСТАТА                           | TTTCAACACTTTCCTC   | CTCACCCA          | TTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB1153.chr2/2115363-2115812                                     | 2115514 CTTGCTTCGCT                        |  | AAATATACTCACTAA                                |                       | CACTACATCTCATTACTC   | ATTCCTAC | CONTACACACTATA                           | TTTC   | CECACCEA          | TTCCATCAACCAT             |                           | CCATAC                         | 2115664            |
| JB1203.chr2/2115363-2115812                                     |  | ACGCTACGCACTCCCTACC  | A A A A T A T A C T C A C T A A                | таттат <u>аст</u> тт  | CACTACATCTCATTACTC   |          | CTATACACACTATA                           | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB763.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | A C G C T A C G C A C T C C C T A C C  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   |          | СТАТАСАСАСТАТА                           | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115664            |
| JB592; JB1199.chr2/2115363-2115812                              |  | ACGCTACGCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   |          | C T A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | ССТСТТТСТС                | CCATAC                         | 2115664            |
| JB1115.chr2/2115363-2115812                                     | 2115514 CTTGCTTCGCT                        | ACGCTA CGCACTCCCTACC   | AAATATACTCACTAA                                |                       | CACTACATCTCATTACTC   |          | CTATACACACTATA                           | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB854; JB939.chr2/2115363-2115812                               | 2115514 CTTGCTTCGCT                        | ACCCTACCCCACTCCCCTACC  | AAAATATACTCACTAA                               |                       |  | ATTCCTAC | CTATACACACIAIA                           | TTTCARCACTTTCCTC   | CTCACCCA          | TTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB847; JB848.chr2/2115363-2115812                               | 2115514 CTTGCTTCGCT                        | ACCCMACCCACTCCCTACC  | A A A A M A M A C M C A C M A A                |                       | CACHACATCICATIACIC   | ATTCCTAC |  |  | CECACCA           | mmccamcaaccam             |                           | CCCATAC                        | 2115664            |
| JB909; JB942.chr2/2115363-2115812                               | 2115514 CTTGCTTCGCT                        | ACCCUA CCCA CUCCCUA CC   |  |                       | CACHACATCTCATTACTC   | ATTCCTA  |  |  | CECACCE           | mmccamcaaccam             |                           |                                | 2115664            |
| JB853; JB915; JB1109; JB1196; JB1202.chr2/2115363-2115812       | 2115514 CTTGCTTCGCT                        | ACCCMACCCACTCCCTACC  | A A A A M A M A C M C A C M A A                |                       | CACHACATCICATIACIC   | ATTCCTAC |  |  | ACT CACCTA        | mmccamcaaccam             |                           | CCCATAC                        | 2115664            |
| JB929.chr2/2115363-2115812                                      | 2115514 TTTGCTTCGCT                        | ACCCUACCCACTCCCTACC  | A MARIATACICACIAA                              |                       | CACHACATCICATIACIC   | ATTCCTAC | CCAMACACACIAIA                           | C T T C A A C A C T T T C C T C A  | CHCACCIA          | C m C C A m C A A C C A m |                           | CCCATAC                        | 2115664            |
|   | 2115514 TTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | ATAATATACTCACTAA                               |                       | CACTACATCTCATTACTC   | ATTCCTAC | CATACACACTATA                            | CTTCAACACTTTCCTC   | CT CAACCA         | CTCCATCAACCAT             |                           |                                | 2115664            |
| JB1174.chr2/2115363-2115812<br>JB588.chr2/2115363-2115812       | 2115514 TTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | ATAATATACTCACTAA                               | T A T T A T A C T T T | CACTACATCTCATTACTC   | ATTCCTAC | CCATACACACTATA                           | mmmcaacactttcctc   | CHCAACCA          | CTCCATCAACCAT             |                           |                                | 2115664            |
|   | 2115514 CTTGCTTCGCT                        | ACGCTATGCACTCCCTACC  | AAAATATACTCACTAA                               |                       | CACTACATCTCATTACTC   | ATTCCAAC | CATACACACTATA                            | TITCAACACTITCCTC   | ACT CACCCA        | TT CCAT CAACCAT           |                           |                                | 2115664            |
| JB864.chr2/2115363-2115812<br>JB876;JB1177.chr2/2115363-2115812 | 2115514 CTTGCTTCGCT                        | ACGCTATGCACTCCCTACC  | AAATATACTCACTAA                                | T A T T A T A C T T T |  |          | CHATACACACTATA                           | TTTCAACACTTTCCTC   | ACT CACCCA        | TTCCATCAACCAT             |                           |                                | 2115664            |
| JB894.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACGCTATGCACTCCCTACC  | AAAATATACTCACTAA                               |                       | CACTACATCTCATTACT  | ATTCCAA  | CTATACACACTATA                           | TITCAACACTITCCTC   | ACT CACCCA        | TICCATCAACCAT             |                           | G G G G G G G G                | 2115664            |
| JB1113.chr2/2115363-2115812                                     | 2115514 CTTGCTTCGCT                        | ACGCTATGCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   |          | C C A T A C A C A C T A T A              | TITCAACACTITCCTC   | ACT CACCCA        | G T C C A T C A A C C A T |                           | CCATAC                         | 2115664            |
| JB1108;JB1112;JB1198;JB1201.chr2/2115363-2115812                |  | ACGCTATGCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   |          | C C A T A C A C A C T A T A              | TTTCAACACTTTCCTC   | CECARCCA          | mmccamcaaccam             |                           | CCCATAC                        | 2115664            |
| JB861.chr2/2115363-2115812                                      |  |  | A A A A T A T A C T C A C T A A                |                       |  |          | C T A T A C A C A C T A T A              | mmmcaacaciiiccica  | CHCACCCA          | mmccamcaaccam             |                           | CCCATAC                        | 2115664            |
| JB1176.chr2/2115363-2115812                                     | 2115514 CTTGCTTCGCT                        | ACGCTATGCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   |          | CTATACACACTATA                           | TITCAACACTITCCTC   | ACT CACCCA        | TICCATCAACCAT             |                           | CCATAC                         | 2115664            |
| JB862.chr2/2115363-2115812                                      |  | ACGCTATGCACTCCCTACC  |  |                       | CACTACATCTCATTACTC   |          |  |  | CECACCA           | mmccamcaaccam             |                           | CCCATAC                        | 2115664            |
| JB930.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCUACCCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACHACATCICATIACIC   | ATTCCAA  | CCAMACACACIAIA                           | mmmcaacaciiiccica  | CHCACCCA          | mmccamcaaccam             |                           | . ССАТАС                       | 2115664            |
| JB943.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCTACCCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACTACATCICATIACIC   | ATTCCTAC | CTATACACACIATA                           | ###CAACACTTTCCTC   | ACTCACCCA         | TTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB842.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCUA CCCA CUCCCUA CC   | A A A A T A T A C T C A C T A A                |                       | CACHACATCTCATTACTC   | ATTCCIA  |  |  | CHCACCA           | mmccamcaaccam             |                           |                                | 2115664            |
| JB850.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCUA CCCA CUCCCUA CC   | A A A A T A T A C T C A C T A A                |                       | CACHACATCTCATTACTC   | ATTCCAA  |  |  | CHCACCA           | mmccamcaaccam             |                           |                                | 2115664            |
| JB856.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCMACCCACTCCCTACC  | A <mark>A</mark> A A T A T A C T C A C T A A . |                       | CACHACATCICATIACIC   | ATTCCAAC | CCAMACACACIAIA                           |  | CECACCA           | mmccamcaaccam             |                           | ACCATAC                        | 2115664            |
| JB840; JB851.chr2/2115363-2115812                               | 2115514 CTTGCTTCGCT                        | ACCCUA CCCA CUCCCUA CC   | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   | ATTCCTA  | CCATACACACTATA                           |  | CHCACCA           | mmccamcaaccam             |                           |                                | 2115664            |
| JB855.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCTACCCACTCCCTACC  | A A A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   |          | CTATACACACIATA                           | ###CAACACTTTCCTC   | ACTCACCCA         | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115664            |
| JB857.chr2/2115363-2115812                                      | 2115514 CTTGCTTCGCT                        | ACCCUA CCCA CUCCCUA CC   | A A A A T A T A C T C A C T A A                |                       | CACHACATCTCATTACTC   | ATTCCTA  |  |  | CHCACCA           | mmccamcaaccam             |                           | ACCATAC                        | 2115664            |
| JB839; JB841; JB852; JB858.chr2/2115363-2115811                 | 2115514 CTTGCTTCGCT                        | ACCCUACCCACTCCCTACC  | A T A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   | ATTCCTAC | CCAMACACACIAIA                           | C T T C A A C A C T T T C C T C A  | CHCACCCA          | C m C C A m C A A C C A m |                           | CCCATAC                        | 2115663            |
| JB1188.chr2/2115363-2115811                                     | 2115513 TTTGCTTCGCT                        | ACCCTACCCACTCCCTACC  | ATAATATACTCACTAA                               |                       | CACTACATCTCATTACTC   |          | CCATACACACIAIA                           | **************************************   | CTCAACCA          | TTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB899.chr2/2115363-2115811                                      | 2115513 TTTGCTTCGCT                        | ACCCTA CCCACTCCCTACC   | A T A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTT   |          | COTACACACIAIA                            | TTTCAACACTTTCCTC   | ACTCAACCA         | TTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB1186.chr2/2115363-2115811                                     | 2115513 TTTGCTTCGCT                        | A C G C T A C G C A C T C C C T A C C  | ATAATATACTCACTAA                               |                       | CACTACATCTCATTACTT   |          | CATACACACTATA                            | TTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB1187.chr2/2115363-2115811                                     | 2115513 TTTGCTTCGCT                        |  | A TA A TA TA CT CA CTA A                       |                       |  | ATTCCTA  | CONTACACACTATA                           | TTTTC  | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB1185.chr2/2115363-2115811                                     | 2115513 TTTGCTTCGCT                        |  | A TA A TA TA CT CA CTA A                       |                       |  | ATTCCTA  | CONTACACACTATA                           | TTTTC  | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB1205; JB1206.chr2/2115363-2115811                             | 2115513 TTTGCTTCGCT                        | ACCCTA CCCACTCCCTACC   | A T A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACT  | ATTCCTAC | CONTACACACIAIA                           | TTTCAACACTTTCCTC   | ACTCAACCA         | TTCCATCAACCAT             | CCTCTTTCTC                | ACCATAC                        | 2115663            |
| JB1207.chr2/2115363-2115811                                     | 2115513 TTTGCTTCGCT                        |  | A TA A TA TA CT CA CTA A                       |                       | CACTACATCTCATTACT  | ATTCCTA  | CONTACACACTATA                           | TTTC   | CECAACCA          | TTCCATCAACCAT             |                           | ACCATAC                        | 2115663            |
| JB859.chr2/2115363-2115811                                      | 2115513 T T T G C T T C G C T              | ACCCTA CCCACTCCCTACC   | A T A A T A T A C T C A C T A A                |                       | CACTACATCTCATTACTC   | ATTCCTAC | CONTACACACIAIA                           | TTTCARCACTTTCCTC   | ACTCAACCA         | CTCCATCAACCAT             |                           | CCATAC                         | 2115663            |
| JB1167.chr2/2115363-2115811                                     | 2115513 TTTGCTTCGCT                        | ACCCTA CCCACTCCCTACC   | A T A A T A T A C T C A C T A A                |                       | CACTACATCICATIACII   | ATTCCTA  | COTACACACIAIA                            | TTTCAACACTTTCCTC   | ACTCAACCA         | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB1110; JB1154.chr2/2115363-2115811                             | 2115513 TTTGCTTCGCT                        | ACCCUA CCCA CMCCCMA CC   |  |                       | CACHACATCTCATTACTT   | ATTCCTA  | CCATACACACTATA                           |  | CECARCCA          | C T C C A T C A A C C A T |                           |                                | 2115663            |
| JB893.chr2/2115363-2115811                                      | 2115513 TTTGCTTCGCT                        | ACCCTACCCACTCCCTACC  | ATARIAIACICACIAA                               |                       | CACTACATCICATIACII   | ATTCCTAC | CCATACACACIAIA                           | ###CAACACTTTCCTC   | ACTCAACCA         | TTCCATCAACCAT             | CCTCTTTCTC                |                                | 2115663            |
|   |  | ACCCUA CCCA CMCCCMA CC   |  |                       | CACHACATCTCATTACTT   | ATTCCTA  | CCATACACACTATA                           |  | CECARCCA          | mmccamcaaccam             |                           |                                | 2115663            |
| JB593.chr2/2115363-2115811<br>JB905.chr2/2115363-2115811        | 2115513 TTTGCTTCGCT<br>2115513 TTTGCTTCGCT | ACCCTACCCACTCCCTACC  | ATA ATA CTCACTAA                               | CATTATACTTT           | CACTACATCICATTACT  | ATTCCTAC | CCATACACACTATA                           | TTTCAACACTTTCCTC   | A C T C A A C C A | TTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
|   |  | ACGCTACGCACTCCCTACC  | ATAATATACTCACTAA                               |                       | CACTACATCTCATTACT  | ATTCCTAC | CATACACACTATA                            | TTTCAACACTTTCCTC   | ACT CAACCA        | G T C C A T C A A C C A T |                           | CCATAC                         |                    |
| JB4.chr2/2115363-2115811<br>JB594.chr2/2115363-2115811          | 2115513 TTTGCTTCGCT<br>2115513 TTTGCTTCGCT | ACCCENCE CACTCCCTACC   | ATATATACTCACTAA                                |                       | CACTACATCTCATTACT<br>CACTACATCTCATTACT                                     |          | C C A T A C A C A C T A T A              | THE ARCAC TITE CTC   | CHCAACCA          | C T C C A T C A A C C A T |                           | CCATAC                         | 2115663<br>2115663 |
| JB594.chr2/2115363-2115811<br>JB1171.chr2/2115363-2115811       |  | A C G C T A <b>C</b> G C A C T C C C T A C C<br>A C G C T A <mark>C</mark> G C A C T C C C T A C C | ATATACTCACTAA                                  |                       |  |          | C C A T A C A C A C T A T A              | TTTCAACACTTTCCTC(  | CTCAACCA          | C T C C A T C A A C C A T | CCTCTTTCTC                | CCATAC                         | 2115663            |
| JB11/1.chr2/2115363-2115811<br>JB874.chr2/2115363-2115811       | 2115513 TTTGCTTCGCT                        | ACGC FACGC ACTCCC TACC   | A T A A T A T A C T C A C T A A C              | CATTATACTTT           | CACTACATCTCATTACT<br>CACTACATCTCATTACT                                     |          | C C A T A C A C A C T A T A              | THE TOTAL CALCAST TO COLOR   | CTCAACCA          | C T C C A T C A A C C A T | CCTCTTTCTC                | CCATAC                         | 2115663            |
|   | 2115513 TTTGCTTCGCT                        | ACCCTACCCACTCCCTACC  |  | CATTATACTTT           | CACTACATCTCATTACT  | _        | CCATACACACTATA                           | CTTCAACACTTTCCTC   | CTCAACCA          | CTCCATCAACCAT             | CCTCTTTCTC                | CCATAC                         | 2115663            |
| Group 1.chr2/2115363-2115811                                    |  | ACGC FACGC ACTCCC TACC   | A T A A T A T A C T C A C T A A                | I A I TATACTTT        | CACHACATCTCATTACTC   | ATTCCTAC | CCATACACACTATA                           | C T T C A A C A C T T T C C T C C  | CTCAACCA          | C T C C A T C A A C C A T | CCTCTTTCTC                | CCATAC                         |                    |
| Group 2.chr2/2115363-2115811                                    | 2115513 TTTGCTTCGCT                        | ACGCTACGCACTCCCTACC  | AIAATATACTCACTAA                               | 1 ATTATACTT           | CACTACATCTCATTACTC   | ATTCCTAC | CATACACACTATA                            | CTTCAACACTTTCCTC   | O T C A A C C A   | CTCCATCAACCAT             | G C T C T T T C T C       | CCATAC                         | 2115663            |
| JB931.chr2/2115363-2115811<br>JB1197.chr2/2115363-2115811       | 2115513 T T T G C T T C G C T              | ACGCTACGCACTCCCTACC  | AIAATATACTCACTAA                               | ATTATACTT             | C A C T A C A T C T C A T T A C T C<br>C A C T A C A T C T C A T T A C T C | ATTCCTAC | CATACACACTATA                            | THE RESERVE TO CARCAGO TO COMPANY TO CARCAGO | CTCAACCA          | THE CANCARCE AT           | CCTCTTTCTC                | ACCATAC                        | 2115663<br>2115663 |
| JB1197.chr2/2115363-2115811<br>JB837.chr2/2115363-2115811       | 2115513 TTTGCTTCGCT                        | A C G C T A <b>C</b> G C A C T C C C T A C C<br>A C G C T A <b>C</b> G C A C T C C C T A C C       |  |                       |  | ATTCCTAC | CONTACACACTATA                           | TTTCAACACTTTCCTC<br>TTTCAACACTTTCCTC   | A C T C A A C C A | C T C C A T C A A C C A T | сстстттстс.<br>сстстттстс | A C C A T A C<br>C C C A T A C |                    |
| 00007.011272113303-2113011                                      | 211,5313 1 1 1 GC 1 T C GC T               | ACGC PAC GCACTCC CTACC   | ATATACICACTAA                                  | CATTATACTTT           | CACTACATCICATTACTA   | ATICCIA  | CONTACACACTATA                           | TICAACACITICCTC  | CAACCA            | CICCAICAACCAT             | CCTCTTTCTC                | CATAC                          | 2113003            |
|   |  |  |  |                       |  |          |  |  |                   |                           |                           |                                | 4                  |



Group 1: JB22;JB374;JB759;JB760;JB761;JB868;JB869;JB870;JB875;JB879;JB885;JB886;JB887;JB888;JB899;JB891;JB892;JB897;JB898;JB906;JB908;JB917;JB936;JB937;JB938;JB940;JB941;JB944;JB945;JB947;JB1111;JB1117;JB1168;JB1169;JB1170;JB1179;JB1181;JB1182;JB1183;JB1184;JB1195;JB1204.chr2/2115363-2115811

Group 2: JB900; JB901; JB918; JB1114; JB1175; JB1189; JB1190; JB1191; JB1192; JB1193; JB1194. chr2/2115363-2115811