

```
[      1      11      21      31      41      51      61      71      81      91      ]
[
Dd636   ATGTATCTTTTAGTTTTGTTTTCCCTTAAATTGGGGCGGTTTTAGTTGGTTCCTTTGGACGAAAAATAGGGGAAAGGGTGCTGGTGTTTAACTTCCT
Dd432   .....
Lp_KC875348 .....A.....
Lp_KC875349 .....A.....
Lp_FR821799 .....A.....
ChangesNS .....N.....
```

```
[     101     111     121     131     141     151     161     171     181     191     ]
[
Dd636   GTTGTTTAATTATAAGTCTTCTTATTCTGTTTTTATTGGGGCAGAAATTTATTTAACTCAACAATAACATATATTAAGTTGTGAAAGTGATTTGATTC
Dd432   .....C.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....S.....
```

```
[     201     211     221     231     241     251     261     271     281     291     ]
[
Dd636   AGGATCTTTCCTTGTTTTTTTTGGTTTACAATTTGATTGTTTAGTTGTGATTATGTTGTTTGTGTTTTATTGTTTCTACTTTGGTTCATATTTTTTCT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....S.....
```

```
[     301     311     321     331     341     351     361     371     381     391     ]
[
Dd636   ATTGCCCTACATGCGAGGAGATCCCCATGTCCACGGTTATGTCTTATCTTTCTTTGTTTACTTTTTTAATGGTTGTTTGTAGTAACAAGTGATAATTCC
Dd432   .....T.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....S.....
```

```
[     401     411     421     431     441     451     461     471     481     491     ]
[
Dd636   TTCAGTTATTTATTGGCTGGGAGGGGGTAGGCCCTTGTCTTATTTATTAATTAATTTTGGATTAACAAGATTAGAAGCAAACAGAGCTGCGATTAAAGC
Dd432   .....G.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....N.....
```

```
[      501      511      521      531      541      551      561      571      581      591      ]
[
Dd636   | AATGTTAGTAAATCGAGTGGGGACATTGGGTTGCTTTTAGCAATGTTTCTTATTTGAAATGTTTTTGGGACCTTAGACTTTTCTTCTGTTTTTAATTTA
Dd432   | .....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | .....
```

```
[      601      611      621      631      641      651      661      671      681      691      ]
[
Dd636   | GTTTTTGTGTTCTGATCAAATTTTTTTTATTTGTTTATTCTTGTCTTAGGAGTGGTTGGTAAATCGGCTCAATGGGGCTACACACTTGATTACCGG
Dd432   | .....G.....
Lp_KC875348 | .....G.....
Lp_KC875349 | .....G.....
Lp_FR821799 | .....G.....
ChangesNS | .....S.....
```

```
[      701      711      721      731      741      751      761      771      781      791      ]
[
Dd636   | ATGCAATGGAAGGTTAGTTGGGCCTTTTAATTAATAAAATTAATTAATAAACGCCACTATGATTATAAAAGCTTTCGTTGTTCTTGTCCCTTTACTTATTGC
Dd432   | .....T.....
Lp_KC875348 | .....T.....
Lp_KC875349 | .....T.....
Lp_FR821799 | .....T.....
ChangesNS | .....S.....
```

```
[      801      811      821      831      841      851      861      871      881      891      ]
[
Dd636   | TGTGGCATATTTAACTTTAGCAGAACGAAAGTTTTAGGGTACATGCAAGCAAGAAAAGGACCTAATGTGGTTGGGGGGGNTTGCTTCAGCCTTTTGCG
Dd432   | .....G.....
Lp_KC875348 | .....G.....
Lp_KC875349 | .....G.....
Lp_FR821799 | .....G.....
ChangesNS | .....S.....
```

```
[      901      911      921      931      941      951      961      971      981      991      ]
[
Dd636   | GATGGGATTAAGTTATTTCTTAAAGAAATGGTTATTTCCCATCGAGTGAGTGGGTTTGTATTATCTTTTAGCCCCAGTCTTTCTTTTATTTTGGCTTTTA
Dd432   | .....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | .....
```

```
[          1001          1011          1021          1031          1041          1051          1061          1071          1081          1091          ]
[
Dd636      TTGTTTGGGGTATCCTCCCTTATAATAAGGGGGTTGGAATAAGTGATTTTCAAATTTGGTCTTTTATGAATCATGGCGATTTCTTCTGTGAGTGTATATGC
Dd432      .....A.....
Lp_KC875348 .....T.....A.....
Lp_KC875349 .....T.....A.....
Lp_FR821799 .....T.....A.....
ChangesNS .....S.....N.....
```

```
[          1101          1111          1121          1131          1141          1151          1161          1171          1181          1191          ]
[
Dd636      TATTTTAATGTCGGGCTGAGGCAGTCGTTCTAAATATGCTTTTTTAGGTGCGGTCCGAGCTGCGGCGCAAATGATTAGTTATGAGGTTTCTATTGGTTTA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          1201          1211          1221          1231          1241          1251          1261          1271          1281          1291          ]
[
Dd636      ATTATTATTCTGTTCTTTTATGTGTGGGTCTTTGTCTTTAAATGAAATTGTATTAACACAAAATGAAATTTGGTTTTTTTTTCCCTTTTCTCTGTG
Dd432      .....G.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....G.....
ChangesNS .....N.....

```

```
[          1301          1311          1321          1331          1341          1351          1361          1371          1381          1391          ]
[
Dd636      TTATAATGTTWCTCGTTTCTATTTTAGCAGAAACAAACCGTGCTCCCTTTGATTTAACARAAGGAGAGTCGGAGCTRGTGTCGGGGTACAACGTAGAGTA
Dd432      .....T.....G.....A.....
Lp_KC875348 .....T.....G.....A.....
Lp_KC875349 .....T.....G.....A.....
Lp_FR821799 .....T.....G.....A.....
ChangesNS .....S.....S.....S.....

```

```
[          1401          1411          1421          1431          1441          1451          1461          1471          1481          1491          ]
[
Dd636      CGCTTCGATGCTTTTTGCTCTATTTTTTCTTGCCGAATATGCTCATATTATATTTATGAGTTGTTTAACTGTTCTTTTATTTTTTGGAGGATGGTTGCTT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          1501          1511          1521          1531          1541          1551          1561          1571          1581          1591          ]
[
Dd636      TTGCCCTTGGTTTTAAACCGTTTTTATGTTTTATTTTTTTATGGGCACGGGCCCTTTCCCTAGGGTCCGGTATGATCAATTGATGGYCCTATTAT
Dd432      .....C.....
Lp_KC875348 .....C.....
Lp_KC875349 .....C.....
Lp_FR821799 .....C.....
ChangesNS  .....S.....
```

```
[          1601          1611          1621          1631          1641          1651          1661          1671          1681          1691          ]
[
Dd636      GAAAGGGTATTTACCTTTAAGTTTAGGGATTGTTATTTTTGTTGCCAGTATTTTATTCGGGTTAATGGTTCTCCTCCG---ATGAGTGGTGCTTATTT
Dd432      .....ATT.....
Lp_KC875348 .....ATT.....
Lp_KC875349 .....ATT.....
Lp_FR821799 .....ATT.....
ChangesNS  .....---
```

```
[          1701          1711          1721          1731          1741          1751          1761          1771          1781          1791          ]
[
Dd636      TGATCAATTTAATATTGTGTGATTATTTGGTGTGACGAACTCGGCAGTAATGATGGGCCTTACAGTTATTATTGTTTTATTGTTTTAAATGGGGTGGAT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS  .....
```

```
[          1801          1811          1821          1831          1841          1851          1861          1871          1881          1891          ]
[
Dd636      CTCATCCCAAAAAGATGGCAATCTATTTTAGAGTTAACATATAGTCATTTTTATCGTGTATAGAAGACAATYTTGGGAGGGGAGGGGTGAAGTATTTCT
Dd432      .....T.....
Lp_KC875348 .....T.....
Lp_KC875349 .....T.....
Lp_FR821799 .....T.....
ChangesNS  .....S.....
```

```
[          1901          1911          1921          1931          1941          1951          1961          1971          1981          1991          ]
[
Dd636      CTTTTGTTCTCTCTCTTTTTTTCTTTGGGGTTTGGTTGAATGTGCTGGGTTTATGCCCATATGTTTTACTCCAACCGTTCATATTATAGTTACATTGGG
Dd432      .....N.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS  .....S.....
```

```
[      2001      2011      2021      2031      2041      2051      2061      2071      2081      2091      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   TTTATCTTTTCAATAATCATCGGTGTCACCTCTTGCTGGTTTTTGGAGGTTTAAGTGAGATTTTTTTAGTGTTTTTATGCCAAGCGGAGCCCCTCTGGG
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2101      2111      2121      2131      2141      2151      2161      2171      2181      2191      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   CTTGCCCTTTGTTAGTTTAAATTGAAACAGTTAGTTATATCTCACGGGCTATTTTCGTTAGGAGTTCGTTTGGCGGCTAATTTATCGGCTGGGCATCTAT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2201      2211      2221      2231      2241      2251      2261      2271      2281      2291      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   TATTTGCTATTTTAGCTGGGTTTGGGTTTAAATATGTTAATTGCAAGTGGGCCGGCGGGCTATTGCCCTTGTTAATAATGGTTTTTATAACACTATTAGA
Dd432   .....
Lp_KC875348 .....G.....
Lp_KC875349 .....G.....
Lp_FR821799 .....G.....
ChangesNS .....S.....
```

```
[      2301      2311      2321      2331      2341      2351      2361      2371      2381      2391      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   AGTGGCGGTGGCCGTAATTCAGGCTTATGTTTTTGTATTATTAACAACACTATTTATTTAGCAGACACTGATTTTACATATGGGTCTTTTTTGGCTAGTT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2401      2411      2421      2431      2441      2451      2461      2471      2481      2491      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   CTTTTTGTGGGATCATAAGTGTGACGGGGCTTCAAGAGAAAAAAGGAGTGTGTTAAAAAACGGGCTTAGAGTGATCTATGGCTATTTTTTTTAGCT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2501      2511      2521      2531      2541      2551      2561      2571      2581      2591      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   CTTTAGTTTGTGGGGCGGATTTGACTGAGAAGGACATTTCAATTTATTCATCAAATAGAATGAGAAATGCTTTTTATCTTGACTGAGGCCCTATTAT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2601      2611      2621      2631      2641      2651      2661      2671      2681      2691      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   TTTTGCCTTGGATGGTGTTCCTTGTTTTTTTTGGCTTTTAACAACTTTTTAATACCGATTTGTGTTTTAATCAGTCAAAAATCTATCCGGTTTTTATTT
Dd432   .....
Lp_KC875348 .....T.....
Lp_KC875349 .....T.....
Lp_FR821799 .....T.....
ChangesNS .....S.....
```

```
[      2701      2711      2721      2731      2741      2751      2761      2771      2781      2791      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   AAAGAATTCCTTTATGTTTATTTTTTTTAGAAGTGTTTTAGTCGGTGTGTTTTTGGTGTGTTGATCTCTTTTATTTTATATTTTTTTTGGAGGGATTT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2801      2811      2821      2831      2841      2851      2861      2871      2881      2891      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   TAATCCCAATGTTCTTTTAAATTGGAATTTGGGGTCCCAGAGAAGAAAAGGTTTCGCGCTCTTTTTATTTTTTTTTTTTTCNNACTTTGCGGGTCCGT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      2901      2911      2921      2931      2941      2951      2961      2971      2981      2991      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   GTTTTTTTTTTTACAATCCTTTTTTTGTATCGAACACAGGGGCAACAGATTATTTCTTTTGCTTAATCTTAGGCTGTCTCCCAATGTTCAGAAGTGG
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      3001      3011      3021      3031      3041      3051      3061      3071      3081      3091      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   GCCTTAATTGGCGTCTTTCTTAGTTTTGCAGTTAAAATTCCTTAATCCCGTTTCATATTTGGCTTCCCAAGCACATGTGGAAGCCCTGTTGCGGGCT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      3101      3111      3121      3131      3141      3151      3161      3171      3181      3191      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   CAGTTATTTTAGCTGGGATTTTATTAATAACTAGGGGGGTATGGGGTTTTACGGTTTTCTTGGCCTCTCTCCCTGCGGCTTCTGAATATTGATCTCCTGT
Dd432   .....C.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      3201      3211      3221      3231      3241      3251      3261      3271      3281      3291      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   TATTGTTTTTTTTCTGWTTTGGCYGTTGTTTATGGGGTTTAAATGACATGTCGTCAGGTTGACTTTAAACGACTAGTTGCTTATTCTTCGGTGGCACAC
Dd432   .....T.....T.....
Lp_KC875348 .....T.....T.....
Lp_KC875349 .....T.....T.....
Lp_FR821799 .....T.....T.....
ChangesNS .....S.....S.....
```

```
[      3301      3311      3321      3331      3341      3351      3361      3371      3381      3391      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   ATGGGTTTAGTTCCTCTAGGGGTTTTACACATATTATAGAAGGGCTTGTGGAGCTGTTTTTTTAAATGTTAGCCCATGGTTTTGTTAGTTCGGCTCTTT
Dd432   .....CC.....
Lp_KC875348 .....C.....
Lp_KC875349 .....C.....
Lp_FR821799 .....C.....
ChangesNS .....SS.....
```

```
[      3401      3411      3421      3431      3441      3451      3461      3471      3481      3491      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636   TTATTGGGATTACGTATTTATATGATCGCCATCATACTCGTTTAAATTAATATTTATCGTGGCTTGGCTTTAACGATGCCGCTTTTTGCTATTTCAATGTT
Dd432   .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```



```
[      4001      4011      4021      4031      4041      4051      4061      4071      4081      4091      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  AAGCGACTTTTCAGGGACACCATTCTTTAGTTGTAAAGCAAGGCCTTAAGTATGGCATGCTTTTGTATTCTTTTCAGAAGTTTTGTTTTTTTTTCTTT
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      4101      4111      4121      4131      4141      4151      4161      4171      4181      4191      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  TTTTTGAGCTTTTTTTCATAGTAGTTGGCTCCGGCTATTGAACCTGGGGTTGTGTGACCACCGCAAGGTGTTTCATGCGCTAAATCCTTTTTCTGTCCA
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      4201      4211      4221      4231      4241      4251      4261      4271      4281      4291      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  TTGTTAAGCACGGCCGTTTATTGAGTTCCTGGGCATCGGTAACGTGGGCCCATCATGCTATAATAAGTGGGAATAAGAAAGAAGCCGTTGCAGGTTTGT
Dd432  .....A.....G.....
Lp_KC875348 .....A.....
Lp_KC875349 .....A.....
Lp_FR821799 .....A.....
ChangesNS .....N.....N.....
```

```
[      4301      4311      4321      4331      4341      4351      4361      4371      4381      4391      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  CTTTGACTATTTTATTGGGTGTGGTGTTCACAGGTTTACAGGCCCTTGAATATTATGAAGCTCCCTTTGCTCTTTCCGATTCTGTTTATGGCTCCACTTT
Dd432  .....C.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....S.....
```

```
[      4401      4411      4421      4431      4441      4451      4461      4471      4481      4491      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  TTTTGTGCAACAGGGTTTCATGGGTTACACGTGATAATTGGAACAACTTTTTGTGTTGTTGTTTCTTCGGTTACTTCCAATCAGTTTACCCGTAGC
Dd432  .....
Lp_KC875348 .....G..
Lp_KC875349 .....G..
Lp_FR821799 .....G..
ChangesNS .....N.....
```

```
[      4501      4511      4521      4531      4541      4551      4561      4571      4581      4591      ]
[
Dd636      CAACATCTGGGTTTTGAAGCGGCAAGTTGATATTGGCATTTTGTTCGATGTTGTTTGGTTGTTTTTATATCTTTCAATTTATTTGTGGGGTTCTAGAGATG
Dd432      .....
Lp_KC875348 .....C.....
Lp_KC875349 .....C.....
Lp_FR821799 .....C.....
ChangesNS .....S.....
```

```
[      4601      4611      4621      4631      4641      4651      4661      4671      4681      4691      ]
[
Dd636      AGCCAGAGGCTTGGGTTTTGGGGTTTCAGGATGTGGCAGACCCGGTAGTAGAAGAAATGTTTTTTTCATGATCAAGTAATGTTTTTATTAATCATTAT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      4701      4711      4721      4731      4741      4751      4761      4771      4781      4791      ]
[
Dd636      TGTCACGTGTTGTTTTATGGCTTATTGTGGAAGCTTTTTGAAATAAATTTATGATCGTAATTTAGTTGATGGTACTTTTTTAGAAATGTTTGAACAATA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      4801      4811      4821      4831      4841      4851      4861      4871      4881      4891      ]
[
Dd636      ATCCCCGCTGTTATATTGATTTTTATTGCACTACCCTCGTTAAAATGTTGTATTTAATGGACGAAATCATTCTCCTGCTTTAACAATTAAGTCATTG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      4901      4911      4921      4931      4941      4951      4961      4971      4981      4991      ]
[
Dd636      GCCATCAATGATATTGGTCTTATGAATACTCTGATTATGAAGCGAGACGTTAGCTTTTGATTCTTATATGGTTCCGCTTCGGATTTAATTTTCAGGGAA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      5001      5011      5021      5031      5041      5051      5061      5071      5081      5091      ]
[
Dd636   | AAACCGTTTACTTGAAGTGGATCAAAAACCTGTTGTTCCAATTGGAACATATAAGATTTTGTAGTGACGGGAGCCGATGTCTTGCATCTTTTGCGGTC
Dd432   | .....G.....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | .....N.....
```

```
[      5101      5111      5121      5131      5141      5151      5161      5171      5181      5191      ]
[
Dd636   | CCTTCTTTAGGATTAAGTAGACGCTGTGCCTGGCCGTTTAAATCAAACGGTGTTTTATCAAACGACCGGGGTTTTTTT---GGCAATGCTCTG
Dd432   | .....TNN.....
Lp_KC875348 | .....---
Lp_KC875349 | .....---
Lp_FR821799 | .....---
ChangesNS | .....---
```

```
[      5201      5211      5221      5231      5241      5251      5261      5271      5281      5291      ]
[
Dd636   | AGATTTGTGGGGCGAATCACTCTTTTATGCCTATTGTTATAGAGGGAGTCGGGTAAATGAATATATTATGTATTATAAGTATTTAGTTGTTGTCATGGT
Dd432   | .....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....---
ChangesNS | .....---
```

```
[      5301      5311      5321      5331      5341      5351      5361      5371      5381      5391      ]
[
Dd636   | TTTATTTTATTAGGAGGTTGGGGGTAGTTTTAAATCGAGGACATTTATTATAATGATTGTTTCAATTGAACCTGTTTTATTAGCAACTTTTTTTTTT
Dd432   | .....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | .....
```

```
[      5401      5411      5421      5431      5441      5451      5461      5471      5481      5491      ]
[
Dd636   | TTTTTTNNGATAAATTC TAAGGAAATAGACGCTTTAATAGAACAGGTTTTATGATAATGGGTTTGACAATTGCGGCGGCAGAGTCTTCTATTGGCTTGG
Dd432   | ...N---...Y.....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | ...S---...S.....
```

```
[          5501      5511      5521      5531      5541      5551      5561      5571      5581      5591      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      CTCTTTTAGTGGCCTATTACCGAATTAGGGGAACGATTGTTTTAAAATCCTTTAGTTCCTTACGGGGTTTTTTTTTTGTTTTAATAGCAGTTGCTTAGC
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          5601      5611      5621      5631      5641      5651      5661      5671      5681      5691      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      CGGGGTATTTCTAGTATTTCTTTTTTATTGGAGAAAAAAGACCGGACCGAGAAAAAGTGTCTGCTTATGAGTGTGGGTTTGTACCTTTTAGTTTTCTG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          5701      5711      5721      5731      5741      5751      5761      5771      5781      5791      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      GGGCGCCCTTTTCTGTGCGGTTCTTTTTAATTGGTATTTGTTCTTAATTTTGGACTTAGAAATTTCTTTTTTATTCCTTGGTGTGTTTTATATAAATT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          5801      5811      5821      5831      5841      5851      5861      5871      5881      5891      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      CACTTGGACCTTTTGGGTTTTGAGCCATGGTTGGGTTTTGTTTATATTAAGTGTGGCCTGGTTTATGAGTGACTAAAAGGAGGGCTAGAATGGGAGCC
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          5901      5911      5921      5931      5941      5951      5961      5971      5981      5991      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      AACTCCGGTTTCTGCCTTAATCCATGCGGCAACAATGGTTACGGCAGGTGTTTTTTGTTAATTAGAGCTTCCCCTCTTTTGTATGTYGTTCTTTTATG
Dd432      .....
Lp_KC875348 .....C.....
Lp_KC875349 .....C.....
Lp_FR821799 .....C.....
ChangesNS .....S.....

```

```
[          6001      6011      6021      6031      6041      6051      6061      6071      6081      6091      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTGGTTTTTATAACGATAAATAGGGGTGTTAACAGTTTTTGTTCGCGGAACAATTGGTCTTGTTCAAATGATTTAAAAAATAATTGCTTATTCCACTT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          6101      6111      6121      6131      6141      6151      6161      6171      6181      6191      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      GTAGTCAATTGGGGTATATGGTTGTGGCTTGTGGTCTTCTCATTCTTCTATTGGTCTTTTCCACTTAATGAATCATGCTTTTTTTAAGGCTTTGTATT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          6201      6211      6221      6231      6241      6251      6261      6271      6281      6291      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTTAAGTGCTGGTTCTTTAATTCATGCAATGATAGACGAACAAGACATAAGAAAAATGGGGGCTTATTACAAATCAYACCTTTGACTTATATTTTTTTT
Dd432      .....T.....
Lp_KC875348 .....T.....
Lp_KC875349 .....T.....
Lp_FR821799 .....T.....
ChangesNS .....S.....

```

```
[          6301      6311      6321      6331      6341      6351      6361      6371      6381      6391      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      ATTATAGGCTCTTTTTCTTTAATGGGATTTCCTTTTTTAACCGGTTTTATTCAAAGACTTAATCTTAGRAGTTACTTTGGGCAATATTATTTAATTT
Dd432      .....A.....
Lp_KC875348 .....A.....
Lp_KC875349 .....A.....
Lp_FR821799 .....A.....
ChangesNS .....S.....

```

```
[          6401      6411      6421      6431      6441      6451      6461      6471      6481      6491      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTGTTTATTGGCTAGGTTGTTTTCTGTTTTATTAACAGCAATGTATTCAATCCGTTTGGTTYATTATGCCTTTTTCTCTAATACAAATCTAAAAGGGC
Dd432      .....T.....
Lp_KC875348 .....T.....
Lp_KC875349 .....T.....
Lp_FR821799 .....T.....
ChangesNS .....S.....

```

```
[          6501          6511          6521          6531          6541          6551          6561          6571          6581          6591          ]
[          |          |          |          |          |          |          |          |          |          |          ]
Dd636      GGTTTTTGCCTCGTTAAAAGAGGGAGAGGGCCTTTTGTGGCCCTTTGGGGTTTTAGCCTTAGGTAGTCTTTTTTGGGGTTATTTATGTAAAGAAATT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS  .....
```

```
[          6601          6611          6621          6631          6641          6651          6661          6671          6681          6691          ]
[          |          |          |          |          |          |          |          |          |          |          ]
Dd636      GTGTGGTCTTTTCAAATGGGGCTTTCGCCAATGCTTTTTTTAAAATAAAAATGCTTCCTGTTATAGTAAGTATTATGGGGGCATTGGGGGTATTTTTTG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS  .....
```

```
[          6701          6711          6721          6731          6741          6751          6761          6771          6781          6791          ]
[          |          |          |          |          |          |          |          |          |          |          ]
Dd636      TTTTATTTAATTTTCTTCTAAAATATTGTTTTTTTTGTTTTCTCTTTATACCTTTTTTGGCTCTGCTTGACAAATAAATTCTTTTTTTAATTTTTTTTTT
Dd432      .....C.....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS  .....S.....
```

```
[          6801          6811          6821          6831          6841          6851          6861          6871          6881          6891          ]
[          |          |          |          |          |          |          |          |          |          |          ]
Dd636      TATAAAAAAATCTATAAAACGGGGCATCTGATTATGAATTTAACTGTTGACAAAGGTGCTTAGAGCTGGTTGGGCCAGGGGCCTTGTTCAATTTCTA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....A.....
ChangesNS  .....N.....
```

```
[          6901          6911          6921          6931          6941          6951          6961          6971          6981          6991          ]
[          |          |          |          |          |          |          |          |          |          |          ]
Dd636      GTCCGCCAAATCAAAGACTTAGTGATTTACAGTCGGGGCAAGTTTTTAATTATGCTTTAGTTATACTAATTGGTGTGTGCATATTTATTTGGGGAAAAG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS  .....
```

```
[      7001      7011      7021      7031      7041      7051      7061      7071      7081      7091      ]
[
Dd636   |   |   |   |   |   |   |   |   |   |
Dd432   |   |   |   |   |   |   |   |   |   |
Lp_KC875348 |   |   |   |   |   |   |   |   |   |
Lp_KC875349 |   |   |   |   |   |   |   |   |   |
Lp_FR821799 |   |   |   |   |   |   |   |   |   |
ChangesNS |   |   |   |   |   |   |   |   |   |
```

```
[      7101      7111      7121      7131      7141      7151      7161      7171      7181      7191      ]
[
Dd636   |   |   |   |   |   |   |   |   |   |
Dd432   |   |   |   |   |   |   |   |   |   |
Lp_KC875348 |   |   |   |   |   |   |   |   |   |
Lp_KC875349 |   |   |   |   |   |   |   |   |   |
Lp_FR821799 |   |   |   |   |   |   |   |   |   |
ChangesNS |   |   |   |   |   |   |   |   |   |
```

```
[      7201      7211      7221      7231      7241      7251      7261      7271      7281      7291      ]
[
Dd636   |   |   |   |   |   |   |   |   |   |
Dd432   |   |   |   |   |   |   |   |   |   |
Lp_KC875348 |   |   |   |   |   |   |   |   |   |
Lp_KC875349 |   |   |   |   |   |   |   |   |   |
Lp_FR821799 |   |   |   |   |   |   |   |   |   |
ChangesNS |   |   |   |   |   |   |   |   |   |
```

```
[      7301      7311      7321      7331      7341      7351      7361      7371      7381      7391      ]
[
Dd636   |   |   |   |   |   |   |   |   |   |
Dd432   |   |   |   |   |   |   |   |   |   |
Lp_KC875348 |   |   |   |   |   |   |   |   |   |
Lp_KC875349 |   |   |   |   |   |   |   |   |   |
Lp_FR821799 |   |   |   |   |   |   |   |   |   |
ChangesNS |   |   |   |   |   |   |   |   |   |
```

```
[      7401      7411      7421      7431      7441      7451      7461      7471      7481      7491      ]
[
Dd636   |   |   |   |   |   |   |   |   |   |
Dd432   |   |   |   |   |   |   |   |   |   |
Lp_KC875348 |   |   |   |   |   |   |   |   |   |
Lp_KC875349 |   |   |   |   |   |   |   |   |   |
Lp_FR821799 |   |   |   |   |   |   |   |   |   |
ChangesNS |   |   |   |   |   |   |   |   |   |
```

```
[          7501          7511          7521          7531          7541          7551          7561          7571          7581          7591          ]
[
Dd636      |          |          |          |          |          |          |          |          |          |
Dd432      |          |          |          |          |          |          |          |          |          |
Lp_KC875348 |          |          |          |          |          |          |          |          |          |
Lp_KC875349 |          |          |          |          |          |          |          |          |          |
Lp_FR821799 |          |          |          |          |          |          |          |          |          |
ChangesNS   |          |          |          |          |          |          |          |          |          |
```

```
[          7601          7611          7621          7631          7641          7651          7661          7671          7681          7691          ]
[
Dd636      |          |          |          |          |          |          |          |          |          |
Dd432      |          |          |          |          |          |          |          |          |          |
Lp_KC875348 |          |          |          |          |          |          |          |          |          |
Lp_KC875349 |          |          |          |          |          |          |          |          |          |
Lp_FR821799 |          |          |          |          |          |          |          |          |          |
ChangesNS   |          |          |          |          |          |          |          |          |          |
```

```
[          7701          7711          7721          7731          7741          7751          7761          7771          7781          7791          ]
[
Dd636      |          |          |          |          |          |          |          |          |          |
Dd432      |          |          |          |          |          |          |          |          |          |
Lp_KC875348 |          |          |          |          |          |          |          |          |          |
Lp_KC875349 |          |          |          |          |          |          |          |          |          |
Lp_FR821799 |          |          |          |          |          |          |          |          |          |
ChangesNS   |          |          |          |          |          |          |          |          |          |
```

```
[          7801          7811          7821          7831          7841          7851          7861          7871          7881          7891          ]
[
Dd636      |          |          |          |          |          |          |          |          |          |
Dd432      |          |          |          |          |          |          |          |          |          |
Lp_KC875348 |          |          |          |          |          |          |          |          |          |
Lp_KC875349 |          |          |          |          |          |          |          |          |          |
Lp_FR821799 |          |          |          |          |          |          |          |          |          |
ChangesNS   |          |          |          |          |          |          |          |          |          |
```

```
[          7901          7911          7921          7931          7941          7951          7961          7971          7981          7991          ]
[
Dd636      |          |          |          |          |          |          |          |          |          |
Dd432      |          |          |          |          |          |          |          |          |          |
Lp_KC875348 |          |          |          |          |          |          |          |          |          |
Lp_KC875349 |          |          |          |          |          |          |          |          |          |
Lp_FR821799 |          |          |          |          |          |          |          |          |          |
ChangesNS   |          |          |          |          |          |          |          |          |          |
```

```
[      8001      8011      8021      8031      8041      8051      8061      8071      8081      8091      ]
[      |      |      |      |      |      |      |      |      |      |      ]
Dd636   | ACAGGTAGTCGAAGAGCCTTTTATTACAATTGGTCAGATCTTTCTTTTTTTTATTTTTTTTATTTTTTTAGTTCTTGTTCCTGTCCTGGTCTTTTAGAA
Dd432   | .....Y.....C.G...
Lp_KC875348 | .....A.....T...
Lp_KC875349 | .....A.....T...
Lp_FR821799 | .....S.....S.....N.N...
ChangesNS | .....S.....S.....N.N...
```

```
[      8101      8111      8121      8131      8141      8151      8161      8171      8181      8191      ]
[      |      |      |      |      |      |      |      |      |      |      ]
Dd636   | AACCAATTATTAATTATGTTTTGGTATTTTTGTTTAATTTCTTCTACTAATTGACTTTCTGTTATTTAGCAATCGAACTTCTACTCTTTGTTTTT
Dd432   | .....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | .....
```

```
[      8201      8211      8221      8231      8241      8251      8261      8271      8281      8291      ]
[      |      |      |      |      |      |      |      |      |      |      ]
Dd636   | TTGTTTTAATTGCCCGCGGATCGGGGTATAGCGCAGAAGCAGGGTTAAAGTACTTTGTTTTAGGTGCGCTTCTTCTGGTTTGTTTTTATTTGGGTGTGC
Dd432   | .....T.....
Lp_KC875348 | .....T.....
Lp_KC875349 | .....T.....
Lp_FR821799 | .....T.....
ChangesNS | .....S.....
```

```
[      8301      8311      8321      8331      8341      8351      8361      8371      8381      8391      ]
[      |      |      |      |      |      |      |      |      |      |      ]
Dd636   | TTTATTATGTGGTATTGGGGGAATGTACATCTGGCATACTAGATCTAATTATTAACTCGAAACAACTTTTTCGGATGTCTGTCTCCGGTCCGGGTAT
Dd432   | .....A.....
Lp_KC875348 | .....A.....
Lp_KC875349 | .....A.....
Lp_FR821799 | .....A.....
ChangesNS | .....S.....
```

```
[      8401      8411      8421      8431      8441      8451      8461      8471      8481      8491      ]
[      |      |      |      |      |      |      |      |      |      |      ]
Dd636   | ATTTTAATTTAGGGGCCCTTTTTTTTAAATTTGCTGTGCTCCTTTTCATATGTGGGCTCCAGATGTATATGAAGGAGCCCCAACAAAATTGTTTTAT
Dd432   | .....
Lp_KC875348 | .....
Lp_KC875349 | .....
Lp_FR821799 | .....
ChangesNS | .....
```

```
[      8501      8511      8521      8531      8541      8551      8561      8571      8581      8591      ]
[
Dd636      |      |      |      |      |      |      |      |      |      |
Dd432      |      |      |      |      |      |      |      |      |      |
Lp_KC875348 |      |      |      |      |      |      |      |      |      |
Lp_KC875349 |      |      |      |      |      |      |      |      |      |
Lp_FR821799 |      |      |      |      |      |      |      |      |      |
ChangesNS   |      |      |      |      |      |      |      |      |      |
```

```
[      8601      8611      8621      8631      8641      8651      8661      8671      8681      8691      ]
[
Dd636      |      |      |      |      |      |      |      |      |      |
Dd432      |      |      |      |      |      |      |      |      |      |
Lp_KC875348 |      |      |      |      |      |      |      |      |      |
Lp_KC875349 |      |      |      |      |      |      |      |      |      |
Lp_FR821799 |      |      |      |      |      |      |      |      |      |
ChangesNS   |      |      |      |      |      |      |      |      |      |
```

```
[      8701      8711      8721      8731      8741      8751      8761      8771      8781      8791      ]
[
Dd636      |      |      |      |      |      |      |      |      |      |
Dd432      |      |      |      |      |      |      |      |      |      |
Lp_KC875348 |      |      |      |      |      |      |      |      |      |
Lp_KC875349 |      |      |      |      |      |      |      |      |      |
Lp_FR821799 |      |      |      |      |      |      |      |      |      |
ChangesNS   |      |      |      |      |      |      |      |      |      |
```

```
[      8801      8811      8821      8831      8841      8851      8861      8871      8881      8891      ]
[
Dd636      |      |      |      |      |      |      |      |      |      |
Dd432      |      |      |      |      |      |      |      |      |      |
Lp_KC875348 |      |      |      |      |      |      |      |      |      |
Lp_KC875349 |      |      |      |      |      |      |      |      |      |
Lp_FR821799 |      |      |      |      |      |      |      |      |      |
ChangesNS   |      |      |      |      |      |      |      |      |      |
```

```
[      8901      8911      8921      8931      8941      8951      8961      8971      8981      8991      ]
[
Dd636      |      |      |      |      |      |      |      |      |      |
Dd432      |      |      |      |      |      |      |      |      |      |
Lp_KC875348 |      |      |      |      |      |      |      |      |      |
Lp_KC875349 |      |      |      |      |      |      |      |      |      |
Lp_FR821799 |      |      |      |      |      |      |      |      |      |
ChangesNS   |      |      |      |      |      |      |      |      |      |
```

```
[          9001      9011      9021      9031      9041      9051      9061      9071      9081      9091      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TATTATGTTAGAATTGTCAAAATACTTTTTTTTCAAAAAAACTCTTATCTTTTAATTACGATAAAAAGCTCTAAGAAAAGAATTACACTTAAATTTTAAAA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9101      9111      9121      9131      9141      9151      9161      9171      9181      9191      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      AAGTCTTTTTGGTTGGTCTTTGTCTTTATTTTATTCTGTTTCTTTTTGTGGCTCCTCATTAGGTTTTTTTTTGTCTCTCAAACAATAATGATATTGTT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9201      9211      9221      9231      9241      9251      9261      9271      9281      9291      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTTTGGGGCAATTGGTTCCTGGGATAATGGTTATTTCTGCATTAAACCTGTATTTTCTCTTTTTTGATTGGTTATCGTTTTTATTAATCTGCAGTTTTT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9301      9311      9321      9331      9341      9351      9361      9371      9381      9391      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTTCTTTTGTAGGAGTTGATTTTATTGCTTTAATGTTTTTGTGGTTATGTTGGGGCCATTGCTGTTTTATTTTGTGTTATTATGTTGTTAAATT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9401      9411      9421      9431      9441      9451      9461      9471      9481      9491      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TAACGGATTATCCTCCTGCTTTTTTTTAAAAGAGAGGCCGACATGACAAATTATATTCGATTGGGTTCCTTATAGGTGCTTTTTTTTTTCTGAGGCCCTC
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9501      9511      9521      9531      9541      9551      9561      9571      9581      9591      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTCTAGTTGATTCGTTTTGGGACCTTTCCAAAAAGAGAACTGAGACTTGTCCTTTTCCTTGACTTATTATTTCTTATCATAATATAGAGGCGCTGGGGCAA
Dd432      .....T.....
Lp_KC875348 .....T.....C.....
Lp_KC875349 .....T.....
Lp_FR821799 .....T.....
ChangesNS .....S.....N.....
```

```
[          9601      9611      9621      9631      9641      9651      9661      9671      9681      9691      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      GTTTTATATGTTGTTGTTGTTGTTTATTATTTTGGCCAGCTTTATTCCTTTAGTTGCTATGCTCGGAGCTATTTTTTTAACTCAAGATATGATAAATA
Dd432      ..Y.....C.....
Lp_KC875348 .....A.....
Lp_KC875349 .....A.....
Lp_FR821799 .....A.....
ChangesNS ..S.....N.....S.....
```

```
[          9701      9711      9721      9731      9741      9751      9761      9771      9781      9791      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      AATATTTAATTCGTTGAGTTTTTCTACAAACCACAAAGATATCGGTACTTTATATTTAGTTTTTGGGGTTGGGGCGGGTTAATTGGAACGGCTTTTAG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9801      9811      9821      9831      9841      9851      9861      9871      9881      9891      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TATGCTTATACGACTGGAGCTTTCTGCGCCGGGGCGATGCTGGGGGACGATCATCTTTATAATGTCATTGTAACAGCACATGCTTTTATTATGATTTTT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[          9901      9911      9921      9931      9941      9951      9961      9971      9981      9991      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTTTGTATGCCCCGTTATGATTGGTGGGTTYGGTAATGGTTGGTTCCTACTATATATGGAGCCCTGATATGGCTTCCCCCGATTAAACAATATA
Dd432      .....T.....
Lp_KC875348 .....T.....
Lp_KC875349 .....T.....
Lp_FR821799 .....T.....
ChangesNS .....S.....
```

```
[      10001      10011      10021      10031      10041      10051      10061      10071      10081      10091      ]
[
Dd636      GTTTTTGGTTGTTGCCGCCGGCATTGTTTTATTATTGGGTTTCGGCTTTTGTAGAACAAGGAGTAGGAACAGGGTGAACGGTTTATCCCCCGTTGTCCAG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....T.....C.....
Lp_FR821799 .....T.....C.....
ChangesNS .....N.....N.....
```

```
[      10101      10111      10121      10131      10141      10151      10161      10171      10181      10191      ]
[
Dd636      TGTCCAAGCACACTCCGGGGTCTGTGACATGGCGATTTTGTAGTCTCCATTTGGCTGGGGCTTCTTCTATTTTAGGGGCAATAAACTTTATTACTACA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....T.....
ChangesNS .....N.....
```

```
[      10201      10211      10221      10231      10241      10251      10261      10271      10281      10291      ]
[
Dd636      ATTTTTAATATGCGGGCCCCGGGTATTACGTTTAATAAAATGCCTTTGTTTGGTCTATTTTAATCACTGCTTTTTATTGCTTTTATCTTTACCTG
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      10301      10311      10321      10331      10341      10351      10361      10371      10381      10391      ]
[
Dd636      TTTTAGCCGGTGCTATTACAATGCTTTTAACAGATCGTAATTTTAACACCACCTTTTTTGGAGCCTTCAGGGGGGGGATCCGATTTTATTTAGCATT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      10401      10411      10421      10431      10441      10451      10461      10471      10481      10491      ]
[
Dd636      ATTTTGGTTTTTTGGACACCAGAAGTTTATATTTTGATTTTACCGGGCTTTGGGATGATCTCTCAAATTTATCCTACTTTTGTGCAAAAAACAAATT
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```
[      10501      10511      10521      10531      10541      10551      10561      10571      10581      10591      ]
[      |      |      |      |      |      |      |      |      |      |      ]
Dd636  TTTGGATATTTAGGAATGGTTTATGCAATGCTTTCTATTGGGCTTCTGGGTTTATTGTATGGGCACATCATATGTTTACTGTTGGTATGGATGTTGATA
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      10601      10611      10621      10631      10641      10651      10661      10671      10681      10691      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  CAAGGGCATATTTTACAGCAGCAACGATGATAAATTGCTGTTCTACGGGGATTAAGGTTTTAGTTGATTAGCTACTGTTTACGGGGGGTTTTAAGATT
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      10701      10711      10721      10731      10741      10751      10761      10771      10781      10791      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  AGACACTCCAATGCTTTGGGCTATGGGATTTGTTTTTTATTTACATTAGGCGGGCTTACTGGGGTAATTTTAGCCAATAGTTCTCTTGATATTGTCTT
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      10801      10811      10821      10831      10841      10851      10861      10871      10881      10891      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  CATGATACATATTATGTTGTAGCACATTTTCATTATGTCCTTTCTATGGGGCCGTGTTGCTATCTTTGGGGGTTTTATTATTGAATCGGAAAAATTA
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```
[      10901      10911      10921      10931      10941      10951      10961      10971      10981      10991      ]
[      |      |      |      |      |      |      |      |      |      ]
Dd636  GTGGTTATTGTTATAATGAGCTTTTTGGAAAAGTTCATTTTGGTTGATGTTTATCGGAGTAAATTTAACTTTTTCCCTCAACATTTTATAGGTTTAAC
Dd432  .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....
```

```

[          11001      11011      11021      11031      11041      11051      11061      11071      11081      11091      ]
[          |          |          |          |          |          |          |          |          |          |          ]
Dd636      GGGGTTCCCAGACGATATTCGGATTTTGCAGATTCTTTTGTCTGGTTGGAACCTAATTAGTTCTTTTGGTTCTGTTATTTCTATTTTAGGTGTTATATGA
Dd432      .....
Lp_KC875348 .....
Lp_KC875349 .....
Lp_FR821799 .....
ChangesNS .....

```

```

[          11101      11111      11121      11131      11141      11151      11161      11171      11181      11191      ]
[          |          |          |          |          |          |          |          |          |          ]
Dd636      TTTTATATCTTGTGTTTTGACTTTTTTGTTCAGAGGAAAGGTTTTTAGGTTGAAAAGGAGGAAGTCTATAGAATGAAAACATTCCTCTCCTGAGT
Dd432      .....
Lp_KC875348 .....A.....
Lp_KC875349 .....A.....
Lp_FR821799 .....A.....
ChangesNS .....N.....

```

```

[          11201      11211      11221      11231      11241      ]
[          |          |          |          |          ]
Dd636      TTCACACTTATAACGWATTGCCTTTTGTGTTTAGAGTTCTAAGA
Dd432      .....A.....
Lp_KC875348 .....A.....
Lp_KC875349 .....A.....
Lp_FR821799 .....A.....T.....
ChangesNS .....S.....S.....

```