

TrAgol_Choachi TCAGGAAGAGGGAGAGGTTGGCGAGGAGAGGCGGTGGCGAATCCCATGAATATCGTGGT 60
 TrAgol_SC58 TCAGGAAGAGGGAGAGGTTGGCGAGGAGAGGCGGTGGCGAATCCCATAAATATCGTGGT 60

 TrAgol_Choachi AGAGGCGGACGTGGTGGCGAAGAGGTTATGGCGATTTGGCGGTCTGGTCTGGTGG--- 116
 TrAgol_SC58 AGAGGCGGACGTGGTGGCGAAGAGGTTATGGCGATTTGGCGGTCTGGTCTGGTCTGGT 120

 TrAgol_Choachi --CGGTGGCGTCCGCTTCCAGAATCAAGAGCGAGAGAAGACAGTATCGTTGACTTCGCC 174
 TrAgol_SC58 GGCGGTGGCGTCCGCTTCCAGAATCAAGAGCGAGAGAAGACGGCCATCCGTTGACTTCGCC 180

 TrAgol_Choachi AGGGATAAAAAGTACAACGCCCCGAGGGCCATCTGTAACATGATACCGTCAAGTTT 234
 TrAgol_SC58 AGGGAGAAAAGTACAACGCCCCGAGGGCCATCTGTAACATGATACCGTCAAGTTT 240

 TrAgol_Choachi GACCCAAAGAAAAGGTGTTGCGCTATATTTGTTGTATGAACTGAATGATGGCGTCCG 294
 TrAgol_SC58 GACCCAAAGAAAAGGTGTTGCGCTATATTTGTTGTATGAACTGAATGATGGCGTCCG 300

 TrAgol_Choachi AATTTGCAGGATGGCTGAAAGAACGGGCTTACAGGAAATGCTACGAAAGATGCAAAAA 354
 TrAgol_SC58 AATTTGCAGGATGGCTGAAAGAACGGGCTTACAGGAAATGCTACGAAAGATGCAAAAA 360

 TrAgol_Choachi GAAAGCCCGAAGGCAAAAGTTTTCACGCTGATTTGTGCGGTTGACCGGCCAAAGTATT 414
 TrAgol_SC58 GAAAGCCCGAAGGCAAAAGTTTTCACGCTGATTTGTGCGGTTGACCGGCCAAAGTATT 420

 TrAgol_Choachi TTGTCCCCACAACGACTCCCATCGAGGAGTTAGTCATGAGTTACCGTGAATCAAGA 474
 TrAgol_SC58 TTGTCCCCACAACGACTCCCATCGAGGAGTTAGTCATGAGTTACCGTGAATCAAGA 480

 TrAgol_Choachi AAGGGTAACTGTATCTACTCCTATGTCCTCACCCCTGCGAGACCAGAGATCACCGCACTC 534
 TrAgol_SC58 AAGGGTAACTGTATCTACTCCTATGTCCTCACCCCTGCGAGACCAGAGATCACCGCACTC 540

 TrAgol_Choachi AACGGCGAAGAGTACCGAATGGAGGTGAACAGCAGTAGTTGGGAAGGCTGTACAAGTCTG 594
 TrAgol_SC58 AACGGCGAAGAGTACCGAATGGAGGTGAAC-AGCATAGTTGGGAAGGCTGTACAAGTCTG 599

 TrAgol_Choachi CTATGGAGAAAAGATGGGTGGAAGTACGTCGATATTCAGGCGGGCACAGCGGCTCCTGG 654
 TrAgol_SC58 CTATGGAGAAAAGATGGGTGGAAGTACGTCGATATTCAGGCGGGCACAGCGGCTCCTGG 659

 TrAgol_Choachi AGGACACATTGCCACCTTTGACTGCGTTGTGCCAAAGGTGCTGACTACCACAGTGAATGG 714
 TrAgol_SC58 AGGACACATTGCCACCTTTGACTGCGTTGTGCCAAAGGTGCTGACTACCACAGTGAATGG 719

 TrAgol_Choachi GGTGCAGATGGCACTGTTGCAGATCGACGCGTTGGTCTCTGTTGCGTACGCGCAAAATTG 774
 TrAgol_SC58 GGTGCAGATGGCACTGTTGCAGATCGACGCGTTGGTCTCTGTTGCGTACGCGCAAAATTG 779

 TrAgol_Choachi TCTCGAAATCTCGAAGGTACAAGGCGCATGAACGCCGAAACGTTCAACAGGGTACTTTAT 834
 TrAgol_SC58 TCTCGAAATCTCGAAGGTACAAGGCGCATGAACGCCGAAACGTTCAACAGGGTACTTTAT 839

 TrAgol_Choachi GGAGCGCTTTTCAAAAAAGAAAAA-----AAGTGTGCCACCTCCTTCAATGGTACCCGCG 889
 TrAgol_SC58 GGAGCGCTTTTCAAAAAAGAAAAAAGTGTGCCACCTCCTTCAATGGTACCCGCG 899

 TrAgol_Choachi GAGCGGTTTACACCGTCTTGTATATCTCGGACAAAAAGCTAAAGATCCTGCCGAATTGA 949
 TrAgol_SC58 GAGCGGTTTACACCGTCTTGTATATCTCGGACAAAAAGCTAAAGATCCTGCCGAATTGA 959

 TrAgol_Choachi GGAAATCTGAGCTGACATTTGTGCGTACTTTGCGCAAAAAATACGGTATACATCTCAT 1009
 TrAgol_SC58 GGAAATCTGAGCTGACATTTGTGCGTACTTTGCGCAAAAAATACGGTATACATCTCAT 983

 TrAgol_Choachi TCCTGAACAGATACTGTTCCAGGTGCCGTACCAGTTCGGGGAAGAAGGTTACTTGTGCCGCC 1069
 TrAgol_SC58 TCCTGAACAGATACTGTTCCAGGTGCCGTACCAGTTCGGGGAAGAAGGTTACTTGTGCCGCC 1043

 TrAgol_Choachi GGAAGTCTTGTATGAGATGTCCTCAGTGAACGAGACCGGTGGCAGCCGCCGAGCTGTG 1129
 TrAgol_SC58 GGAAGTCTTGTATGAGATGTCCTCAGTGAACGAGACCGGTGGCAGCCGCCGAGCTGTG 1103

 TrAgol_Choachi TTTGCTGTACCCAAATGAACGCATGGAACGGGTCAAAAAAGCGATTGAACGCCTTAAACA 1189
 TrAgol_SC58 TTTGCTGTACCCAAATGAACGCATGGAACGGGTCAAAAAAGCGATTGAACGCCTTAAACA 1163

 TrAgol_Choachi TGAGAATGACGCCAAGCCATGAAAATCTAAATTCATTTGGTATTATATTGGAAACAA 1249
 TrAgol_SC58 TGAGAATGACGCCAAGCCATGAAAATCTAAATTCATTTGGTATTATATTGGAAACAA 1223

 TrAgol_Choachi CTTTTTGAAGTTTCTGGAATGTGCTGCCACCCATTCAGGTGCTTGTTCACAAGCAAA 1309
 TrAgol_SC58 CTTTTTGAAGTTTCTGGAATGTGCTGCCACCCATTCAGGTGCTTGTTCACAAGCAAA 1283

 TrAgol_Choachi CGGTACAAAACGTCGATATTTCTTGGAGAAAACACCCAGCAAGGCTTTGCTCGGGAGCT 1369
 TrAgol_SC58 CGGTACAAAACGTCGATATTTCTTGGAGAAAACACCCAGCAAGGCTTTGCTCGGGAGCT 1343

 TrAgol_Choachi CGGGGATTACGGCATTGCGGCAACCGAAAAGCCATTGGGGTTGACTTGTACGACGAATC 1429
 TrAgol_SC58 CGGGGATTACGGCATTGCGGCAACCGAAAAGCCATTGGGGTTGACTTGTACGACGAATC 1403

 TrAgol_Choachi GCAACAGGGGAAGAAGGCACTGGATGCGATTAAGAATCATTGGCAAAAGATGAACGCCG 1489
 TrAgol_SC58 GCAACAGGGGAAGAAGGCACTGGATGCGATTAAGAATCATTGGCAAAAGATGAACGCCG 1463

 TrAgol_Choachi CGTGACGCCAGCATGGGTGCAGCATGCGGGAAGCCTAGATGACGTCAAAAAATTCGCTC 1549
 TrAgol_SC58 CGTGACGCCAGCATGGGTGCAGCATGCGGGAAGCCTAGATGACGTCAAAAAATTCGCTC 1523

 TrAgol_Choachi CAAGAACGCGTTTGCCTTTGCTTTTCTGCGCCACTTTGATAAAGAGTTGTACAGAAGTTT 1609
 TrAgol_SC58 CAAGAACGCGTTTGCCTTTGCTTTTCTGCGCCACTTTGATAAAGAGTTGTACAGAAGTTT 1583

TrAgol_Choachi GAAGACAACGTGGACAAATAAGGACATCTTAAGTCAAGTGGTGGTAAAGGATTTGACTGG 1669
 TrAgol_SC58 GAGGACAACGTGGACAAATAAGGACATCTTAAGTCAAGTGGTGGTAAAGGATTTGACTGG 1643
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 TrAgol_Choachi GTCCCGTGAACACCAACTGTCATGGCAGTGGCGCAGCAGGTGTGCGCCAAAGGTGGCCA 1729
 TrAgol_SC58 GCCCGTGAAACACCAATTGTGTCATGGCAGTGGCGCAGCAGGTGTGCGCCAAAGGTGGCCA 1703
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 TrAgol_Choachi GCTGAATTGGGTGCTGGACATCAATAAATTTGTGCCCGTCACTTGCCCTCCAAAATTGGATC 1789
 TrAgol_SC58 GCTGAATTGGGTGCTGGACATCAATAAATTTGTGCCCGTCACTTGCCCTCCAAAATTGGATC 1763
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 TrAgol_Choachi CGCAGGAGTATTGATCATTGGAGCCGATATAGGGAGAGATCAGAGGGAGCTGCGTACCGA 1849
 TrAgol_SC58 CGCAGGAGTATTGACCATTTGGAGCCGATATAGGGAGAAATCAGAGGGAGCTGCGTACCGA 1823
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 TrAgol_Choachi CGAATCCACGGTCAACAAGAAATTTATACGGTGGCCTTTGTGGCCTTCCATGCTTGTGG 1909
 TrAgol_SC58 CGAATCCACGGTCAACAAGAAATTTATACGGTGGCCTTTGTGGCCTTCCATGCTTGTGG 1883
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 TrAgol_Choachi AACACGATGGGAAACTTACTGCGACCATTACCAGTGGATGGCCGCAAGCGAAGTTTATT 1969
 TrAgol_SC58 AACACGATGGGAAACTTACTGCGACCATTACCAGTGGATGGCCGCAAGCGAAGTTTATT 1943
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 TrAgol_Choachi CGCTCAACGCCCGCAAGCAGAGGGCTCAAGTGTCTCGGAAAAAGCCTTCATGCCCTCTGA 2029
 TrAgol_SC58 CGCTCAAGCCCGCAAGCAGAGGGCTCAAGTGTCTCGGAAAAAGCCTTCATGCCCTCTGA 2003
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 TrAgol_Choachi GGTGCTCTCAGGAAAGCTGAGAGGCTTCTTGACGAGGCGAGGCGCCACTTTTGGACAA 2089
 TrAgol_SC58 GGTGCTCTCAGGAAAGCTGAGAGGCTTCTTGACGAGGCGAGGCGCCACTTTTGGACAA 2063
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 TrAgol_Choachi AGGTTTGCAAACTTCTGCGGTGCTGCTCGTGGCTGTGCGTCCGAGGGTGGAGCTGTT 2149
 TrAgol_SC58 AGGTTTGCAAACTTCTGCGGTGCTGCTCGTGGCTGTGCGTCCGAGGGTGGAGCTGTT 2123
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 TrAgol_Choachi GGCCGCAAGAGCAGCAGCTGGACCTGCTAAGTGGGTCTTAAAA---CGTCCTGTG 2204
 TrAgol_SC58 GGCCGCAAGAGCAGCAGCTGGACCTGCTAAGTGGGTCTTAAAAGAAACGTCCTGTG 2183
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 TrAgol_SC58 GGGAGTGGTGGCGTCCGAGCGCTACCAACATACACGCTTTGCCCGCCACACCTAAGGA 2243
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 TrAgol_Choachi GCCCGACACGCTATGCAATGTTCCACGCGGCTTTGTGACGCGTGAGGGGACGACTCGAA 2324
 TrAgol_SC58 GCCCGACACGCTATGCAATGTTCCACGCGGCTTTGTGACGCGTGAGGGGACGACTCGAA 2303
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 TrAgol_Choachi ATTTGGCGAGTTATTTTTTTTAAACGGTGCAGACTGCACGCTTGGCCACGCGCGGCCAC 2384
 TrAgol_SC58 ATTTGGCGAGTTATTTTTTTTAAACGGTGCAGACTGCACGCTTGGCCACGCGCGGCCAC 2363
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 TrAgol_Choachi GCTGTACGTGCTGTTGGGAGGAGAAAAAGCTTTTGTGCTGGAGGAGATTACAGTACTGCT 2444
 TrAgol_SC58 GCTGTACGTGCTGTTGGGAGGAGAAAAAGCTTTTGTGCTGGAGGAGATTACAGTACTGCT 2423
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 TrAgol_Choachi GCATGGGATGTGTTTCTGTACCCGAACAAGGCGGATGGCCTCCCGTTGCCACTGCCGCT 2504
 TrAgol_SC58 GCATGGGATGTGTTTCTGTACCCGAACAAGGCGGATGGCCTCCCGTTGCCACTGCCGCT 2483
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 TrAgol_Choachi GAAGTGCAGCTCGGAGTACTCACGGAAGTTGTGTCTTTGCGCGGTGTCAAAAGCTTTC 2564
 TrAgol_SC58 GAAGTGCAGCTCGGAGTACTCACGGAAGCTTGTGTCTTTGCGCGGTGTCAAAAGCTTTC 2543
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 TrAgol_Choachi CAAGGAGCTGCGCGGCAAGCTGCACCTACCTGTAGTTGGCCGCTCTCTGCTGGCACGAA 2624
 TrAgol_SC58 CAAGGAGCTGCGCGGCAAGCTGCACCTACCTGTAGTTGGCCGCTCTCTGCTGGCACGAA 2603
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 TrAgol_Choachi GGCCAAGTGCATCTGCCACAACGCGCTTGTCCAGGAGTGCCTGACACGGGGCGGACGGC 2684
 TrAgol_SC58 GGCCAAGTGCATCTGCCACAACGCGCTTGTCCAGGAGTGCCTGACACGGGGCGGACGGC 2663
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 TrAgol_Choachi GCCAAGGTGTGCGTGTGTAATG 2708
 TrAgol_SC58 GCCAAGGTGTGCGTGTGTA--- 2684
 * * * * *

TrDcl1_Choachi ---TATTTAGTTGGGTGGGACATTTTTTTATTTTATTTTGTCTTCCAAGGACTT 56
TrDcl1_SC58 CGATTATTTAGTTGGGTGGGACATTTTTTTGTTTTATTTTGTCTTCCAAGGACTT 60

TrDcl1_Choachi TTCAACATGCATGGGGCGGTGATGGCGGGTCACTGTGGGGAGTTGCTGCGGTTGTG 116
TrDcl1_SC58 TTCAACATGCATGGGGCGGTGATGGCGGGTCACTGTGGGGAGTTGCTGCGGTTGTG 120

TrDcl1_Choachi GATGTGCGCCGACGACGAGGCTGATGGACGCCCTTGAGAATGTTGGGACGCTGATAGGGAT 176
TrDcl1_SC58 GATGTGCGCCGACGACGAGGCTGGTGGACGCCCTTGAGAATGTTGGGACGCTGATAGGGAT 180

TrDcl1_Choachi GAAGGAGCTGCGGGAATGCTGGGGTCTGTTCGCCGCATGCTGAGGCACTCAAAGGGA 236
TrDcl1_SC58 GGAGGAGCTGCGGGAATGCTGGGGTCTGTTCGCCGCATGCTGAGGCACTCAAAGGGA 240

TrDcl1_Choachi GGGATCCGGCGTCAGTGGCCCTCACTGGCGGGGAGAAGCTCTTGAAGCGCTTGGCTC 296
TrDcl1_SC58 GGGATCCGGCGTCAGTGGCCCTCACTGGCGGGGAGAAGCTCTTGAAGCGCTTGGCTC 300

TrDcl1_Choachi CGAATACGCCTTCCTTTTATTTCCCAAGTGAGGCACCGTAAGCTTACCAACGTAACGCG 356
TrDcl1_SC58 CGAATACGCCTTCCTTTTATTTCCCAAGTGAGGCACCGTAAGCTTACCAACGTAACGCG 360

TrDcl1_Choachi TGTACTCCTCTCCTCTGACACGCTTGACCCGGAGTTGGAAGTTTCTCGGCACCAAGTT 416
TrDcl1_SC58 TGTACTCCTCTCCTCTGACACGCTTGACCCGGAGTTGGAAGTTTCTCGGCACCAAGTT 420

TrDcl1_Choachi GGCGGCACGCAAGGTGTTCTGCCTTTTTTGGCGCTGCTGGTGTGGGCGCGGAGCATTCC 476
TrDcl1_SC58 GGCGGCACGCAAGGTGTTCTGCCTTTTTTGGCGCTGCTGGTGTGGGCGCGGAGCATTCC 480

TrDcl1_Choachi TGCAGCGCTTCCTCCACTTCCCGTGTGCGCAGTGTGATGAGCACCAGGGGCTACGC 536
TrDcl1_SC58 TGCAGCGCTTCCTCCACTTCCCGTGTGCGCAGTGTGATGAGCACCAGGGGCTACGC 540

TrDcl1_Choachi GGTGCCATTGCCAGCATTGTCCTCGCTGTGCCCGAGGAGTGTGGTGGGTTTC 596
TrDcl1_SC58 GGTGCCATTGCCAGCATTGTCCTCGCTGTGCCCGAGGAGTGTGGTGGGTTTC 600

TrDcl1_Choachi ACATGAGCAGCAGATTGAGTTGATGGTGAAGGAACGGAACAGCGCGGAGTATGTGTGTC 656
TrDcl1_SC58 ACATGAGCAGCAGATTGAGTTGATGGTGAAGGAACGGAACAGCGCGGAGTATGTGTGTC 660

TrDcl1_Choachi GCGGGAGCGGAAGAGTCGAATCCAATGAGGATGACGGGGTGCCTTACCGCGTGCGGGT 716
TrDcl1_SC58 GCGGGAGCGGAAGAGTCGAATCCAATGAGGATGACGGGGTGCCTTACCGCGTGCGGGT 720

TrDcl1_Choachi GAGGTGCGGGGAGGAAGCAGAGTCGTCGAGAAAGGGGTGACGCTTGTGGATTCTACGC 776
TrDcl1_SC58 AAGTGTGGGGAGGAAGCAGAGTCGTCGAGAAAGGGG-CGACGCTTGTGGATTCTACGC 779
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TrDcl1_Choachi CATTGTCATGGGGGAGGGGAAGAAGATTGTTTCGCGTGCAAAAGTGGTCAAAAAGATGCA 836
TrDcl1_SC58 CATTGTCATGGGGGAGGGGAAGAAGATTGTTTCGCGTGCAAAAGTGGTCAAAAAGATGCA 838

TrDcl1_Choachi GAAAGAGCAGGTTACATTCTCCACGGCTAATATTAAGATGGATGCATAAGGTTTCGTC 896
TrDcl1_SC58 GAAAGAGCAGGTTAAATTCTCCATGGCTAATATTAAGATGGATGCATAAGGTTTCGTC 898

TrDcl1_Choachi CTTGCTGCGCTTTCATCCTTCATACAAGGACGCCCTGCCACAGGACTTATGGCAAAGGT 956
TrDcl1_SC58 CTTGCTGCGCTTTCATCCTTCATACAAGGACGCCCTGCCACAGGACTTATGGCAAAGGT 958

TrDcl1_Choachi GATTTACTGCGAGGATGGATGCCGCTGAGCGAGATGTGTCGCATCCTGGCAGCGCAGTC 1016
TrDcl1_SC58 GATTTACTGCGAGGATGGATGCCGCTGAGCGAGATGTGTCGCATCCTGGCAGCGCAGTC 1018

TrDcl1_Choachi GGCGGACGCGTGCGGGCTTGTGCCATCGCTGGATATGCTGACGAGCTGCTTGAGAACCA 1076
TrDcl1_SC58 GGCGGACGCGTGCGGGCTTGTGCCATCGCTGGATATGCTGACGAGCTGCTTGAGAACCA 1078

TrDcl1_Choachi CGACCACTTCAACGGTATGAGGTGGGCGTTTTCGGGGGTTGCGGGAGGCGCATTTAATGG 1136
TrDcl1_SC58 CGACCACTTCAACGGTATGAGGTGGGCGTTTTCGGGGGTTGCGGGAGGCGCATTTAATGG 1138

TrDcl1_Choachi TCAGTTGTGCGCCCGTGCAGCGTACGCCACCAGGGCTTTCGATCACTATCCACACGCAT 1196
TrDcl1_SC58 TCAGTTGTGCGCCCGTGCAGCGTACGCCACCAGGGCTTTCGATCACTATCCACACGCAT 1198

TrDcl1_Choachi CTTTGAGAAGTTTGTGACTGTACAAACCCGAACGCGTGCACCACTACGCGTGGGTCTC 1256
TrDcl1_SC58 CTTTGAGAAGTTTGTGACTGTACAAACCCGAACGCGTGCACCACTACGCGTGGGTCTC 1258

TrDcl1_Choachi CTTGGGTGAAAAGAGGCTGCTCGACCCCGGGCTTCGCAAGGGGTTGTACATACTGCACCA 1316
TrDcl1_SC58 CTTGGGTGAAAAGAGGCTGCTCGACCCCGGGCTTCGCAAGGGGTTGTACATACTGCACCA 1318

TrDcl1_Choachi GGAAATGCGATTGCTTTGGTGTTCCTCAGAATTGCTTATAGAATTTAGCCGCTACCA 1376
TrDcl1_SC58 GGAAATGCGATTGCTTTGGTGTTCCTCAGAATTGCTTATAGAATTTAGCCGCTACCA 1378

TrDcl1_Choachi ATTGCAAAACCACTGGAGGAACAGTACGACGAGAAGCTTGGGGTGGACAGGCCATTGCA 1436
TrDcl1_SC58 ATTGCAAAACCACTGGAGGAACAGTACGACGAGAAGCTTGGGGTGGACAGGCCATTGCA 1438
* * * * *
TrDcl1_Choachi CTTTTGGAGCTTTGCTTTGTGCGGAGTGCAGGATGCCGAGATGACAGTGTCCAGGC 1496
TrDcl1_SC58 CTTTTGGAGCTTTGCTTTGTGCGGAGTGCAGGATGCCGAGATGACAGTGTCCAGGC 1498

TrDcl1_Choachi CCCACCGGATGGGGGCGCGACGCACTGGTTCCTCTTCTCGAATCGCAAGGAGGATCC 1556
TrDcl1_SC58 CCCACCGGATGGGGGCGCGACGCACTGGTTCCTCTTCTCGAATCGCAAGGAGGATCC 1558

TrDcl1_Choachi TrDcl1_SC58 TCGCGTGGAGCATTTCGCATATCCACGGTATTATTTACGGGCCGTGTGGCAACGCTGTG 1616
TGCGGTGGAGCATTTCGCATATCCACGGTATTATTTACGGGCCGTGTGGCAACGCTGTG 1618

TrDcl1_Choachi TrDcl1_SC58 CCGCGGCGCCCGCACAAGGTTGAGCAGGGAACGAGACTGCCACGACGGCAGAAGAAGC 1676
CCGCGGCGCCCGCACAAGGTTGAGCAGGGAACGAGACTGCCACGACGGCAGAAGAAGC 1678

TrDcl1_Choachi TrDcl1_SC58 GGATCCCCCGGCGTGGTTTTCAGCCGTTGCGAGTTTTTGAAGAACACCGAGCCCGCTGG 1736
AGATCCCCCGGCGTGGTCTTCAGCCGTTGCGAGTTTTTGAAGAACACTGAGCCCGCTGG 1738

TrDcl1_Choachi TrDcl1_SC58 TTTCTCGGATGAGGAGGTGACTTGCCTCTTTGGCTCCGACCGGACAGCTGCGAACAAGA 1796
TTTCTCGGATGAGGAGGTGACTTGCCTCTTTGGCTCCGACCGGACAGCTGCGAACAAGA 1798

TrDcl1_Choachi TrDcl1_SC58 CGAAGGCGGTGAGGGGGCGGCGCGCAGGAAGAGGAGCTTGAATTTTCCGTGGTGTCTAC 1856
CGAAGGCGGTGAGGGGGCGGCGCGCAGGAAGAGGAGCTTGCATTTTCCGTGGTGTCTAC 1858

TrDcl1_Choachi TrDcl1_SC58 CGCTACGATCTCGTGGATATCGAAGGTGCGCAGGCGAGGCTGCTACTTTGTGCGAGAG 1916
CGCTACGATCTCGTGGATATCGTGGTGGCAGGCGAGGCTGCTACTTTGTGCGAGAG 1918

TrDcl1_Choachi TrDcl1_SC58 TCCAGAGCTGCAAGTTACGCGTGTCTCGTTTCCAAGTATCCGCCCGGCGGAGGCTCTTT 1976
TCCAGAGCTGCTAGTTACGCGTGTCTCGTTTCCAAGTATCCGCCCGGCGGAGGCTCTTT 1978

TrDcl1_Choachi TrDcl1_SC58 TTTTAAACCGTCAAAAACATTTGCCGAGTTTAAAGAGTGGGTGCTGGCCAGGGGCTTGT 2036
TTT-AAACCGTCAAAAACATTTGCCGAGTTTAAAGAGTGGGTGCTGGCCAGGGGCTTGT 2037

TrDcl1_Choachi TrDcl1_SC58 GTACAGGAGCCTCCCTGCGGCGGATGACACCCGGGAGGAGCTG----- 2079
GTCCAGGAGCCTCCCTGCGGCGGATGACACCCGGGAGGAGCTGTACGAGATCCGTGGGCG 2097
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TrDcl1_Choachi TrDcl1_SC58 -----GAGGACAT 2087
TGCTCTCTCGAACCAGGACTTTATCAACAGCGTTGCGAAGGAATTGGAGCTGGAGGACAT 2157

TrDcl1_Choachi TrDcl1_SC58 TCCCGACCCCAAGGCGCTTTCGACGCGCTTGACCCGCGAGTGTGAAAGCAGGGAATGAA 2147
TCCCGACCCCAAGGCGCTTTCGACGCGCTTGACCCGCGAGTGTGAAAGCAGGGAATGAA 2217

TrDcl1_Choachi TrDcl1_SC58 CTACGAAATCTTGGATTTTGTTGGCGACGCTGTGATGGACTTTTGGTGGCGTTTGACAG 2207
CTACGAAATCTTGGATTGTTGGCGACGCTGTGATGGACTTTTGGTGGCGTTTGACAG 2277

TrDcl1_Choachi TrDcl1_SC58 TTTCTGCTGGGGGAACCCCTGGAATACACACGCTCATCGCAGAGCTATGCTCCAATAAGCT 2267
TTTCTGCTGAGGGAACCCCTGGAATACACACGCTCATCGCAGAGCTATGCTCCAATAAGCC 2337

TrDcl1_Choachi TrDcl1_SC58 GCTTGCCCATCTCATCCCTGTCTCGTGTGAGTGAAGACTCTCTCAGATTTATGTGGACCT 2327
GCTTGCCCATCTCATCCCTGTCTCGTGTGAGTGAAGACTCTCTCAGATTTATGTGGACCT 2397

TrDcl1_Choachi TrDcl1_SC58 GCCCACGAAGGTGAAGGCAGACATTTGAGGAGCCATTTCTGGGTGCTGTGACTGCAGTCA 2387
GCCCACGAAGGTGAAGGCAGACATTTGAGGAGCCATTTCTGGGTGCTGTGACTGCAGTCA 2457

TrDcl1_Choachi TrDcl1_SC58 CATGGGGCTTGACAGGTTGCGTCAACAGCTACGGCACTTCTTCGGCCGCATCCCCGCCG 2447
CATGGGGCTTGACAGGTTGCGTCAACAGCTACGGCACTTCTTCGGCCGCATCCCCGCCG 2517

TrDcl1_Choachi TrDcl1_SC58 CATGGCGAGGGGGGGGGGGG-CATGCTCCATCCACTGAAGTTGCTGGAG----- 2497
CATGGCGAGGGGGGGGGGGG-CATGCTCCATCCACTGAAGTTGCTGGAG----- 2577

TrDcl1_Choachi TrDcl1_SC58 -----GAGCGATACAAGTACGCC 2515
GAGCCTGTCCATACCTTTCAGCAACACAGAGCTGCTGGAGGAGCGATACAAGTACGCC 2637

TrDcl1_Choachi TrDcl1_SC58 TGCACCACATTAATTGATAAACGGAGCGCTGAGATATTCGTGACCCCGCAACCTCTTCC 2575
TGCACCACATTAATTGATAAACGGAGCGCTGAGATATTCGTGACCCCGCAACCTCTTCC 2697

TrDcl1_Choachi TrDcl1_SC58 CTTGGAGGTCCTCCACATGAGCCACTACGCTCAGTACCCTTCAAGCGTATTGAGGACAAG 2635
CTTGGAGGTCCTCCACATGAGCCACTACGCTCAGTACCCTTCAAGCGTATTGAGGACAAG 2757

TrDcl1_Choachi TrDcl1_SC58 GCATACGCGACGCACTTCACGACAGGCAACGCTGACTCTACCGGCAATTTCTTCCATC 2695
GCATACGCGACGCACTTCACGACAGGCAACGCTGACTCTACCGGCAATTTCTTCCATC 2817

TrDcl1_Choachi TrDcl1_SC58 GATACCCCGTGTCTTCAACCGGATTTCTGGACGCTTTGCCAATGGTGCAACTGCCTTT 2755
GATACCCCGTGTCTTCAACCGGATTTCTGGACGCTTTGCCAATGGTGCAACTGCCTTT 2877
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TrDcl1_Choachi TrDcl1_SC58 ACCAACGAAATCATTACAAGAGAAACGACCTTGCATGATGTGGATGGACTAAGCGTC 2815
ACCAACGAAATCATTACAAGAGAAACGACCTTGCATGATGTGGATGGACTAAGCGTC 2937

TrDcl1_Choachi TrDcl1_SC58 ACTTCTGCGGCATTGCAAGATGATTTGGGAGTGGTTTTGCAACACACTCGCATCCCCG 2875
ACTTCTGCGGCATTGCAAGATGATTTGGGAGTGGTTTTGCAACACACTCGCATCCCCG 2997

TrDcl1_Choachi TrDcl1_SC58 TCGGCGATGCTTCTCCTGGACTGCTCGGCGATGTCGTTTATGTCGAATAAGATGAAGCGC 2935
TCGGCGATGCTTCTCCTGGACTGCTCGGCGATGTCGTTTATGTCGAATAAGATGAAGCGC 3057

TrDcl1_Choachi TrDcl1_SC58 CCATGCCACATCCACTTTCCACAGGCGGCTACAAGTCTACAACGGATGCTGCCGCTTATA 2995
TCATGCCACATCCACTTTCCACAGGCGGCTACAAGTCTACAACGGATGCTGCCGCTTATA 3117

TrDcl1_Choachi TrDcl1_SC58 ACGGATCTTCGACAGCACATTTTGGGGCGGCTGCTCATACGACTCGGCTGGTGTATGTC 3055
ACTGATCTTCGACAGCACATTTTGGGGCGGCTGCTCATACGACTCGGCTGGTGTATGTC 3177
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TrDcl1_Choachi CTTGGTTTCCATGGGACTGAGGGAAGCGGGGAACCCGACGTGTCATTGGGAAAATTGTT 3115
TrDcl1_SC58 CTTGGTTTCCATGGGACGGAGGGAAGCGGGGAACCCGACGTGTCATTGGTAAAAATTGTT 3237

TrDcl1_Choachi TTTGCGACGGCGTACGCGATGCGTTGGCCCCCAAAAAAGACATATGTGAAGATCCC 3175
TrDcl1_SC58 TTTGCGACGGCGTACGCGATGCGTTGGCCCCCAAAAAAGACATATGTGAGGATCCC 3297

TrDcl1_Choachi GTTTGGACTGTCTGGATCTGCGCAGTATGCTGTGCTTTGGGGAGATCTGTGCTGCGATG 3235
TrDcl1_SC58 GTTTGGACTGTCTGGATCTGCGCAGTATGCTGTGCTTTGGGGAGACCTGTGCTGCGATG 3357

TrDcl1_Choachi CGGCGGTATGCTATTCACCACCTACTAGCGTGGCGAGGCGCCTTGCAAAGAGGCATAT 3295
TrDcl1_SC58 CGGCGGTATGCTATTCCTACTAGCGTGGCGAGGCGCCTTGCAAAGAGGCATAT 3417

TrDcl1_Choachi TTTGTGAGTTGGTCCCAACTCTTGTGTTTTGGATAACGCGGCCTCGCCAGCGACCAT 3355
TrDcl1_SC58 TTTGTGAGTTGGTCCCAACTCTTGTGTTTTGGACAACGCGGCCTCGCCAGTGACCAT 3477

TrDcl1_Choachi GACGTTCTCATGAAGGTGCAGTGGGCTCAAAGGATGCAGCCGATGTAGTTGGTAAGTTT 3415
TrDcl1_SC58 GACGTTCTCATGAAGGTGCAGTGGGCTCAAAGGATGCAGCCGATGTAGTTGGTAAGTTT 3537

TrDcl1_Choachi GTTTGGTGTCCCGTGAGCAGGCTGGTGAAGTCAAGGAGGAGTCCGTTGGGCGTGGTGGAG 3475
TrDcl1_SC58 GTTTGGTGTCCCGTGAGCAGGCTGGTGAAGTCAAGGAGGAGTCCGTTGGGCGTGGTGAAG 3597

TrDcl1_Choachi TCTGTGAGCGTGTAGTGGGTGAAGAGAGAATGAAGCCAAAGCAGTTCTTTATTGAGCGA 3535
TrDcl1_SC58 TCTGTGAGCGTGTAGTGGGTGAAGAGAGAATGAAGCCAAAGCAGTTCTTTATTGAGCGA 3657

TrDcl1_Choachi GTCACGCCGTTGCGGGAGAAGAGTTCTTTGACCCGGGGTTTTGGAATCGCGTCATTGAT 3595
TrDcl1_SC58 GTCACGCCGTTGCGGGAGAAGAGTTCTTTGACCCGGGGTTTTGGAATCGCGTCATTGAT 3717

TrDcl1_Choachi ACCTCACTGGTGGAGAGCCGAAAGCTGCGGATGTACCTGAACGACAAGTACGACATGGTG 3655
TrDcl1_SC58 ACCTCACTGGTGGAGAGCCGAAAGCTGCGGATGTACCTGAACGACAAGTACGACATGGTG 3777

TrDcl1_Choachi TATGGTAGGGAGTACCGCCACTCTTCCTGGACACCGTGTGCTTGTCTCAGGGCATAATA 3715
TrDcl1_SC58 TATGGTAGGGAGTACCGCCACTCTTCCTGGACACCGTGTGCTTGTCTCAGGGCATAATA 3837

TrDcl1_Choachi CGAGCCGTGCAGCTTACGACAGCGCCTCTGGCGGCGTATGCGAACCCCCACAAGTGCC 3775
TrDcl1_SC58 CGAGCCGTGCAGCTTACGACAGCGCCTCTGGCGGCGTATGCGAACCCCCACAAGTGCC 3897

TrDcl1_Choachi TCGAATGAAGAAGAGATGGACCAGTACCCTGTCGAGATGTCACACGCATCACTGCTGCGC 3835
TrDcl1_SC58 TCGAATGAAGAAGAGATGGACCAGTACCCTGTCGAGATGTCACACGCATCACTGCTGCGC 3957

TrDcl1_Choachi CTCACCTCCCTCCGCTGCGCTGAATACCGCGATGTGCAAGGGTTGAGCCGGCATGCGCTGG 3895
TrDcl1_SC58 CTCACCTCCCTCCGCTGCGCTGAATACCGCGATGTGCAAGGGTTGAGCCGGCATGCGCTGG 4017

TrDcl1_Choachi TGGGACGGCTGCGACGACAACCCAGTTTTGGAACTTTGACGCCATTGAGGCCATCGAT 3955
TrDcl1_SC58 TGGGACGGCTGCGACGACGACCCAGTTTTGGAACTTTGACGCCATTGAGGCCATCGAT 4077

TrDcl1_Choachi GACCGACTGAAGTCCTTTGGAGTATATCAGGCGTGCACAGCATCCCTGGCGCTGAGTGG 4015
TrDcl1_SC58 GACCGACTGAAGTCCTTTGGAGTATATCAGGCGTGCACAGCATCCCTGGCGCTGAGTGG 4137

TrDcl1_Choachi GTCGTTTGGCTTGACGCCATCTTTGGAATAGTGGCCGGCGATTCCGAAAACCTGTTGGAG 4075
TrDcl1_SC58 GTCGTTTGGCTTGACGCCATCTTTGGAATAGTGGCCGGCGATTCCGAAAACCTGTTGGAG 4197

TrDcl1_Choachi AATGAAAAGGTGAAGACCGCGCGCTGCAGCCCGCTACTGGAAGTTTGTAAAGGAGACC 4135
TrDcl1_SC58 AATGAAAAGGTGAAGACCGCGCGCTGCAGCCCGCTACTGGAAGTTTGTAAAGGAGACC 4257

TrDcl1_Choachi CGTCAGGCACATCTTTTGGTGGCGGGGAGGTGCTGCTTGGCGTGGCTCCTGTGAGTCC 4195
TrDcl1_SC58 CGTCAGGCACATCTTTTGGTGGCGGGGAGGTGCTGCTTGGCGTGGCTCCTGTGAGTCC 4317

TrDcl1_Choachi CTGCAACAGGCGCTGGAGCAGAGGCGCGCATGGAGACAATGGCGCGATGCCTAGTCCCC 4255
TrDcl1_SC58 CTGCAACAGGCGCTGGAGCAGAGGCGCGCATGGAGACAATGGCGCGATGCCTAGTCCCC 4377

TrDcl1_Choachi AACATCACGATAAAAAGATGTGCCGATGACCCAAAGTGGCTGACGGCGTACGCAAAGGAC 4315
TrDcl1_SC58 AACATCACGATAAAAAGATGCACCGATTGACCCAAAGTGGCTGACGGCGTACGCAAAGGAC 4437

TrDcl1_Choachi GTCTTCCCGTTGTTTCTTCCCTGCGCAAGAGGACCGTCCGCCCGCTGCAGCCCCAAA 4375
TrDcl1_SC58 GTCTTCCCGTTGTTTCTTCCCTGCGCAAGAGGACCGTCCGCCCGCTGCAGCCCCAAA 4497

TrDcl1_Choachi GAACAGGCTGGGTTTGGGATGAACACTGCCTCCCTAATCGCGGTGACGGGCACGAGCATC 4435
TrDcl1_SC58 GAACAGGCTGGGTTTGGGATGAACACTGCCTCCCTAATCGCGGTGACGGGCACGAGCATC 4557

TrDcl1_Choachi GACGGTGGCTTGACCAGATGGAGCAGCCAGCACAGCAGCACTCAACGGTGGCTTGCCA 4495
TrDcl1_SC58 GACGGTGGCTTGACCAGATGGAGCAGCCAGCACAGCAGCACTCAACGGTGGCTTGCCA 4617

TrDcl1_Choachi AACAGGTTGAGGCAGACCCCTGGAAGGACGGTGGCGCTGCTTCTAGACAACCTGGGATGGA 4555
TrDcl1_SC58 AACAGGTTGAGGCAGACTCCTGGAAGGACGGTGGCGCTGCTTCTAGACAACCTGGGATGGA 4677

TrDcl1_Choachi AGTGACCAGTCTATTGGCCAGGTCTATGCGGCGATTGTGTCGGCGTTTCGCGGATCGTAC 4615
TrDcl1_SC58 AGTGACCAGTCTATTGGCCAGGTCTATGCGGCGATTGTGTCGGCGTTTCGCGGATCGTAC 4737

TrDcl1_Choachi CGTCCCTCGCTATTGTCACTTCCGAAGAAGGGTTGTTTTGTTCCTTTCAAAGCAATTT 4675
TrDcl1_SC58 CGTCCCTCGCTATTGTCACTTCCGAAGAAGGGTTGTTTTGTTCCTTTCAAAGCAATTT 4797

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TrDcl1_Choachi CCTTGC GTTGTGCCCCCAATATTTACAGCGCACGCCGTGAAAGGAGTCCATCGCGGG 4735
TrDcl1_SC58 CCTTGC GTTGTGCCCTCAATATTTACAGCGCACGCCGTGAAAGGAGTTCATCGCGGG 4857
*****
TrDcl1_Choachi GCACAGCATGTTTTGCCTACATCTTTGTTGTTGATGGTACGGCCAATCTGTACTGTAAT 4795
TrDcl1_SC58 GCACAGCATGTTTTGCCTACATCTTTGTTGTTGATGGTACGGCCAATCCGCACCGTAAT 4917
*****
TrDcl1_Choachi GAGAGCCTCATCGCGCAATATGGGAAGCTCTCGTAGTGAAAATCGGACGGATGTATGCC 4855
TrDcl1_SC58 GAGAGCCTCGTCGCGCAATATGGGAAGCTCTCGTGGTAAAACCGGACGGATGTATGCC 4977
*****
TrDcl1_Choachi TCCAGCGAGGCCATCTGAAAGTGCTTCTTTTGTAGCCTCACCGCCGTGACAACGATAA 4915
TrDcl1_SC58 TCCAGCGAGGCCATCCGAAAGTGCTTCTTTTGTAGCCTCACCGCCGTGACAACGATAA 5037
*****
TrDcl1_Choachi CAAAAAGCGTA-- 4926
TrDcl1_SC58 CAAAAAGCGTACA 5050
*****
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TrRif4_Choachi	TGAGAACTACTGGCTGTGGCGGCAATGCTGGAGGGCGGGAAGGAAAGAACCATGAAGT	60
TrRif4_SC58	TGAGAACTACTGGCTGTGGCGGCAATGCTGGAGGGCGGGAAGGAAAGAACCATGAAGT	60
TrRif4_Choachi	*****	
TrRif4_Choachi	GGACGAAAAACATTAGACCGTTTGGGTTTTGTAATTTTTTTTTTTTTTCGATGATCAA	120
TrRif4_SC58	GGACGAAAAACATTAGACCGTTTGGGTTTTATG----TCTTTTTTTTTTCGATGATCAA	114
TrRif4_Choachi	*****	
TrRif4_Choachi	CAGGCCTGTAGTGCTACTTAGTGAGACTGGCGTC-TTTTTAAACCTTTTCTGGTGGCG	179
TrRif4_SC58	CAGGTCTGTAGTGCTACTTAGTGAGACTGACGTCCTTTTTAAACCTTTTCTGGTAGCG	174
TrRif4_Choachi	*****	
TrRif4_Choachi	GTGAATGGTGGGAATGAGAGCGGTTTTATTGTCATCTTTCAAACAAAATCAGGC	239
TrRif4_SC58	GGGAATGGTGGGAATGAGAGCGGTTTTATTGTCATCTTTCAAACAAAATCAAGCTC	234
TrRif4_Choachi	*****	
TrRif4_Choachi	AAAAACAAGAGCGGTTTTGCGTGTGTGTGTGTGTGTGTACTTATTCAGCTCCTTTCT	299
TrRif4_SC58	AAAAACAAGAGCGGTTTTGCGTGTGTGTGTGTGTGTGTG--TACTTATTCAGCTCCTTTCT	292
TrRif4_Choachi	*****	
TrRif4_Choachi	TGACGACCTTAGGAACAAGGAAAGCAGCAGTGATGTTGACTCTGAAAGCAGCCCGAT	359
TrRif4_SC58	TGACGACCTCAGGAACAAGGAAAGCAGCAGTGATGTTGACTCTGAAATCGACCCCGAT	352
TrRif4_Choachi	*****	
TrRif4_Choachi	ATTAGTGCGCAGAGTACTGGAGACCATCTCTGATGATAACAGCGCTGATATGCAGGGG	419
TrRif4_SC58	ATTAGTGCGCAGAGTACTGGAGACCATCTCTGATGATAACAGCGCTGATATGCAGGGG	412
TrRif4_Choachi	*****	
TrRif4_Choachi	CCTCTTATCGAAGCTGTCGACAGAGCTACGAGCAGGAGCTGACAATCATGCGAGAGCA	479
TrRif4_SC58	CCTCTTATCGAAGCTGTCGACAGAGCTACGAGCAGGAGCTGACAATCATGCGAGAGCA	472
TrRif4_Choachi	*****	
TrRif4_Choachi	TCTCTTTACATCTTTGAGGACCTGAGGGTCCTTTTCAGCGGGCCTTTCCAGATCTCTAC	539
TrRif4_SC58	TCTCTTTACATCTTTGAGGACCTGAGGGTCCTTTTCAGCGGGCCTTTCCAGATCTCTAC	532
TrRif4_Choachi	*****	
TrRif4_Choachi	ACGCGGGATTCTGTGAGAGCCGGATTTAACTGATGTGCTCGAGGGGGCCTGTGATGAA	599
TrRif4_SC58	ACGCGGAATTCTGTGAGAGCCGGATTTAACTGATGTGCTCGAGGGGGCCTGTGATGAG	592
TrRif4_Choachi	*****	
TrRif4_Choachi	AGAAATACTGTGATAGTGAGCAGAGTTACGTTGGCAACACGCCCATCGCCGTTGTCA	659
TrRif4_SC58	AGAAATACTGTGATAGTGAGCAGAGTTACGTTGGCAACACGCCCATCGCCGTTGTCA	652
TrRif4_Choachi	*****	
TrRif4_Choachi	CCACGCCACCAGCATTTGATGTTCTCATGCAAGAGGATATTTGTCACGGAAAGAGGGCGTG	719
TrRif4_SC58	CCACGCCACCAGCATTTGATGTTCTCATGCAAGAGGATATTTGTCACGGAAAGAGGGGTG	712
TrRif4_Choachi	*****	
TrRif4_Choachi	ACAATAAATCCGTCACCCGCTACGAGATTTATTTGTACACCCCGGCAAGTGCCTGCTTAT	779
TrRif4_SC58	ACAATAAATCCGTCACCCGCTACGAGATTTATTTGTACACCCCGGCAAGTGCCTGCTTAT	772
TrRif4_Choachi	*****	
TrRif4_Choachi	TGCTATTGAACCCACTATGAATCGCGCGGAAGTGCCTAAGAACACCGTGGAGGAGTATCC	839
TrRif4_SC58	TGCTATTGAACCCACTATGAATCGCGCGGAAGTGCCTAAGAACACCGTGGAGGAGTATCC	832
TrRif4_Choachi	*****	
TrRif4_Choachi	TGGAATATATTTTTATGTGGGATATATTTAAAGGTGAGCCTACGGGTTGGGCATTACTTCT	899
TrRif4_SC58	TGGAATAGATTTTTATTTGGGATATATTTAAAGGTGAGCCTATGGGTTGGGCATTACTTCT	892
TrRif4_Choachi	*****	
TrRif4_Choachi	CTCAGTGGATTGAGCCATTTGTCGAGAAGTTCAAAGTATGATCCGGTTAACCCTTTTCG	959
TrRif4_SC58	CTCAGTGGATTGAGCCATTTGTCGAGAAGTTCAAAGTATGATCCGGTTAACCCTTTTCG	952
TrRif4_Choachi	*****	
TrRif4_Choachi	GACGGACGATGATCGGATGATGTTCTTCCGGGAGCGCGTACGGGGAGAAAGGGTGGCTT	1019
TrRif4_SC58	GACGGACGATGATCGGATGATGTTCTTCCGGGAGCGCGTACGGGGAGAAAGGGTGGCTT	1012
TrRif4_Choachi	*****	
TrRif4_Choachi	GACGCCGCTGTCAAGGCTCCGAGTCAGCGCCCTAACCGTGGCCTTACCAAACGCATGCG	1079
TrRif4_SC58	GACGCCGCTGTCAAGGCTCCGACTCAGCGCCCTAACCGTGGCCTTACCAAACGCATGCG	1072
TrRif4_Choachi	*****	
TrRif4_Choachi	GGATGTTGCGGAGCTGACCGTCTTATTGGGACGTTGGAGGCCACTAAGGGCCATCCT	1139
TrRif4_SC58	GGATGTTGAGGAGCTTGCACGCTTATTGAGACGGTTGGAGGCCACTAAGGGCCATCCT	1132
TrRif4_Choachi	*****	
TrRif4_Choachi	TGTCCGCTCGATGTGGAAGCCGCGTTGTGCTTCCAGTGGGGTCTGCTTCCGTTGGA	1199
TrRif4_SC58	TGTCCGCTCGATGTGGAAGCCGCGTTGTGCTTCCAGTGGAGTTCCGTTCCGTTGGA	1192
TrRif4_Choachi	*****	
TrRif4_Choachi	GCTGGCGCTGATCCCTTGGCACCGAACATGAGTTGCAAAGTTTTCACTGTTTTCTTCA	1259
TrRif4_SC58	GCTGGCGCTGATCCCTTGGCACCGAACATGAGTTGCAAAGTTTTCACTGTTTTCTTCA	1252
TrRif4_Choachi	*****	
TrRif4_Choachi	CCCTGGTAGGGTTACAGATGAAGCTACTGCCTGTGCTTTGAGCTGTTGACACCTGAAGGG	1319
TrRif4_SC58	CCCTGGTAGGGTTACAGATGAAGCTACTGCCTGTGCTTTGAGCTGTTGACACCTGAAGGG	1312
TrRif4_Choachi	*****	
TrRif4_Choachi	AAGCCATTTTATACCTTTCTGTAATGCAAGCTTCTCCGTCACGATACACGGAAGTGGT	1379
TrRif4_SC58	AAGCCATTTTATACCTTTCTGTAATGCAAGCTTCTCCGTCACGATACACGGAAGTGGT	1372
TrRif4_Choachi	*****	
TrRif4_Choachi	GAGGACGCTTATTCCTTTGTAACCAATGAGTGTCTTTTTTGTAAACAAGGGTTCCAT	1439
TrRif4_SC58	GAGGACGCTTATTCCTTTGTAACCAATGAGGCGTCTTTTTTGTAAACAAGGGTTCCAT	1432
TrRif4_Choachi	*****	
TrRif4_Choachi	CATGGAGCTTACGCGCTGCGTGGGTGTTGGAGCAGCTCTGCGTTGGAGGGGAGTGA	1499
TrRif4_SC58	CATGGAGCTTACGCGCTGCGTGGGTGTTGGAGCAGCTCTGCGTTGGAGGGGAGTGA	1492
TrRif4_Choachi	*****	
TrRif4_Choachi	GTTCCCATACCGTCTTTCAAGAAATCTATTGCTTTGACATTGAAACCCTAACCAGT	1559
TrRif4_SC58	GTTCCCATACCGTCTTTCAAGAAATCTATTGCTTTGACATTGAAACCCTAACCAGT	1552
TrRif4_Choachi	*****	
TrRif4_Choachi	TTTCTCTCGGGGTGATGAAGACGGTGAGACGAATGCTGGGGATGGTACGGCGTTGGTA	1619
TrRif4_SC58	TTTCTCTCGGGGTGATGAAGACGGTGAGACGAATGCTGGGGATGGTACGGCGTTGGTA	1612
TrRif4_Choachi	*****	

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TrRif4_Choachi      CCATAGCAAGATGGAACGGATGATTTCTCAAGATGTAATTCAGATCCCACCCACACTG 1679
TrRif4_SC58         CCATAGCAAGATGGAACGGATGATTTCTCAAGATGTAATTCAGATCCCACCCACACTG 1672
*****
TrRif4_Choachi      CGCGTTACGGGATGCCGGGCGTCTCTATAACGAATTACGTCTTTGGTTGGGAATTTCCG 1739
TrRif4_SC58         CGCGTTACGGGATGCCGGGCGTCTCTATAACGAATTACGTCTTTGGTTGGGAATTTCCG 1732
*****
TrRif4_Choachi      TTCCATGGAAGCTAACGGACACTGAAGTCATGGAGAAGAACCAGAGTGGGA---- 1792
TrRif4_SC58         TTCCATGGAAGCTAACGGACACTGAAGACATGGAGAAGAACCAGAGTGGGAATCGA 1790
*****
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TrRif5_Choachi TGGACACGCGTGCAGAAAGCCCTGGACGCAAACACAATTGAACGAGACAATGTTATTGTT 60
TrRif5_SC58 TGGACACGCGTGCAGAAAGCCCTGGACGCAAACACAATTGAACGAGACAATGTTATTGTT 60

TrRif5_Choachi TCCATCAATGACATTGCCTGGATTGGGAAAAATGTATTTGTTGTATTTGTGCCAGCGTAC 120
TrRif5_SC58 TCCATCAATGCCATTGCCTGGATTGGGAAAAATGTATTTGTTGTATTTGTGCCAGCGTAC 120

TrRif5_Choachi AAGCGAAGGATTAGCTGCGAGCTGACGGCCGTGGATGTGCCACGCGGCACGGCCTCGGCC 180
TrRif5_SC58 AGCGAAGGATTAGCTGCGAGCTGACGGCCGTGGATGTGCCACGCGGCACGGCCTCGGCC 180

TrRif5_Choachi CTTGAGGAAAAAGTAAATGAGAACACTGAATGAAATTCGCTGTGCGCCGCACAGTATCGT 240
TrRif5_SC58 CTTGAGGAAAAAGTAAATGAGAACACTGAATGAAATTCGCTGTGCGCCGCACAGTATCCT 240

TrRif5_Choachi CGACAGGACCCTATGCCTTCTTCCAAATCAAGGCTACGGAGATATTATTTAGTATG 300
TrRif5_SC58 CGACAGGACCCTATGCCTTCTTCCAAATCAAGGCTACGGAGATATTATTTAGTATG 300

TrRif5_Choachi AGTGACAACGCTACACAGTAGTTTTCGTTGACAGGAGTCTTGTCTGCTGCGTGGGTTGGC 360
TrRif5_SC58 AGTGACAACGCTACACAGTAGTTTTCGTTGACAGGAGTCTTGTCTGCTGCGTGGGTTGGC 360

TrRif5_Choachi AGAATTTGTCGCTCCCATAGTTACACGACTGGAGGACGCTATACACGCGGAGTTGAAGGC 420
TrRif5_SC58 AGAATTTGTCGCTCCCATAGTTACACGACTGGAGGAACTTATACACGCGGAGTTGAAGGC 420

TrRif5_Choachi TCAAGGATCCTGGCGCATCCCCAGACGATCGTGAGCAGCCGAGTGTGTGGGCAAAAC 480
TrRif5_SC58 TCAAGGATCCTGGCGCATCCCCAGACGATCGTGAGCAGCCGAGTGTGTGGGCAAAAC 480

TrRif5_Choachi ATCATTAAAAATTTGAAAGCGGACCCGTTTCGCAAGCAATTGATAGGCCAACTAATAG 540
TrRif5_SC58 ATCATTAAAAATTTGAAAGCGGACCCGTTTCGCAAGCAATTGACAGGCCAAATAATAG 540

TrRif5_Choachi ATGTTTTCGCGGGTGATGTGTATGTGGTTCGCTGGGACGAGGGACAAGTTATGAGCGGCA 600
TrRif5_SC58 ATGTTTTCGCGGGTGATGTGTATGTGGTTCGCTGGGACGAGGGACAAGTTATGAGCGGCA 600

TrRif5_Choachi A-TGTACGAGTAAACAAAGTGGTAGCAAGGACTGGTACGCACACCACGAAGAGTGGC 659
TrRif5_SC58 A-TGTACGAGTAAACAAAGTGGTAGCAAGGACTGGTACGCACACCACGAAGAGTGGC 660

TrRif5_Choachi CACCGCGGCTTGTGGTTCTTGACGCTGTCAAGTGTTTTTCGTCGCGTACCAAGAATGGCT 719
TrRif5_SC58 CACCGCGGCTTGTGGTTCTTGACGCTGTCAAGTGTTTTTCGTCGCGTACCAAGAATGGCT 720

TrRif5_Choachi TTGCGCGCTGCGGTGGGCACAGAAGCGTCTTCTCTACTCCCGCGTTGAAGTCTGCATTC 779
TrRif5_SC58 TTGCGCGCTGCGGTGGGCACAGAAGCGTCTTCTCTACTCCCGCGTTGAAGTCTGCATTC 780

TrRif5_Choachi ACTCCACACACCCGTCGGAGAAGGACGTATCAAATAACACACAACCTTCTCTTATGAGC 839
TrRif5_SC58 ACTCCACACACCCGTCGGAGAAGGACGTATCAAATAACACACAACCTTCTCTTATGAGC 840

TrRif5_Choachi AATTGCGATGTGTGGGGTCAACTGTGTACGTGCTACCACGGGAATCTGGCCCGTGTGCGT 899
TrRif5_SC58 AATTGCGATGTGTGGGGTCAACTGTGTACGTGCTACCACGGGAATCTGGCCCGTGTGCGT 900

TrRif5_Choachi CTTCCACGAGGCAAGTCACCAATGTAGGTGTGCCTTAATTTCAAAGGGTCTCGGACTTC 959
TrRif5_SC58 CTTCCACGAGGCAAGTCACCAATGTAGGTGTGCCTTAATTTCAAAGGGTCTCGGACTTC 960

TrRif5_Choachi TTCGACAGGTTGTGGATACTGCGGTACCCGCTCAAGTGAATTTTCATGAACCTCTACGTT 1019
TrRif5_SC58 TTCGACAGGTTGTGGATACTGCGGTACCCGCTCAAGTGAATTTTCATGAACCTCTACGTT 1020

TrRif5_Choachi CTGCCAGGACCCGTTGTGCGCAGAGGCAGACGCGACACTGAAGGATGCAAAAACAGTCTT 1079
TrRif5_SC58 CTGCCAGGACCCGTTGTGCGCAGAGGCAGACGCGACACTGAAGGATGCAAAAACAGTCTT 1080

TrRif5_Choachi TATCATACGATTTGCCGATCTTCGATGATGGAGTCTCGTGCCTGCAAATGTTCCCTTG 1139
TrRif5_SC58 TATCATACGATTTGCCGATCTTCGATGATGGAGTCTCGTGCCTGCAAATGTTCCCTTG 1139

TrRif5_Choachi ATACGTGGTGCATCTCTTTCCCATCGCTGAAGACGCTGTGGCAGACCACAATGTGAGATG 1199
TrRif5_SC58 ATACGTGGTGCATCTCTTTCCCATCGCTGAAGACGCTGTGGCAGACCACAATGTGAGATG 1199

TrRif5_Choachi GAGATGTTTCATCGCAGTGCACGATACCCCCAACGCATTACAGTCTTCCGCCACTGC 1259
TrRif5_SC58 GAGATGTTTCATCGCAGTGCACGATACCCCCAACGCATTACAGTCTTCCGCCACTGC 1259

TrRif5_Choachi GAAGCCTCTGTGATATGAGCACACTGATACGTGAATGTGAGACCTTTGAGGGCTTTATCA 1319
TrRif5_SC58 GAAGCCTCTGTGATATGAGCACACTGATACGTGAAGTGTGAGACCTTTGAGGGCTTTATCA 1319

TrRif5_Choachi ATTCCGTGGCGTTAGTGCAGGAGTCTTGGTGGCTTTAGAGCAGCAGCAATGTCCGGC 1379
TrRif5_SC58 ATTCCGTGGCGTTAGTGCAGGAGTCTTGGTGGCTTTAGAGCAGCAGCAATGTCCGGC 1379

TrRif5_Choachi GTTGTCAAGTTCTTCGTTGGAATTAACGCTATTTTGTCTTTCGAGGATTCAGATA 1439
TrRif5_SC58 GTTGTCAAGTTCTTCGTTGGAATTAACGCTATTTTGTCTTTCGAGGATTCAGATA 1439

TrRif5_Choachi TCCTTGCCAGAGTTGAGGCAACACCCTTGGATCGGTTTGTCTTTATCCCACTGAAAAGA 1499
TrRif5_SC58 TCCTTGCCAGAGTTGAGGCAACACCCTTGGATCGGTTTGTCTTTATCCCACTGAAAAGA 1499

TrRif5_Choachi GTATCTTGGCAACACTGTGAGGAGTACAGTGGTATACGACAGGTGGCCTAGCGTCATTC 1559
TrRif5_SC58 GTATCTTGGCAACACTGTGAGGAGTACAGTGGTATACGACAGGTGGCCTAGCGTCATTC 1559

TrRif5_Choachi CTATTACAGAAACCGTTTACTTTACGTTGCGGTACCCGGGTATGTGTCGACGTCGTACG 1619
TrRif5_SC58 CTATTACAGAAACCGTTTACTTTACGTTGCGGTACCCGGGTATGTGTCGACGTCGTACG 1619

TrRif5_Choachi ACCTACGAAACACATCCCAGCGATTCTCAGCACGAGCTGACCGTGAATAAGGAGCAA 1679
TrRif5_SC58 ACCCTACGAAACACATCCCAGCGATTCTCAGCACGAGCTGACCGTGAATAAGGAAACAA 1679

TrRif5_Choachi GGCATGGGACGAAGGTGATTAAGCTGAAACTTCAGATGATGAGATGAAATAATTTTC 1739
TrRif5_SC58 GGCATGGGACGAAGGTGATTAAGCTGAAACGTTTCAGATGATGAGATGAAATAATTTTC 1739

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TrRif5_SC58 TTGTTGATGTTAGGGTGGAAATTTGTAACCACACTGAGCAGCTGAATCATCGGTGTGTGT 1799

TrRif5_Choachi ATTTTCTCACCAGAGCGGCACGGGGCTCTGGTACCTCAGGCACGTGCTGTATGATGATG 1859
TrRif5_SC58 ATTTTCTCACCAGAGCGGCACGGGGCTCTGGTACCTCAGGCACGTGCTGTATGATGATG 1859

TrRif5_Choachi ATGACCTTGTAGTGTGGACGGTGGGAAATCCACTCCGCGTGTGGTAGTGACAGTGAAG 1919
TrRif5_SC58 ATGACCTTGTAGTGTGGACGGTGGGAAATCCACTCCGCGTGTGGTAGTGACAGTGAAG 1919

TrRif5_Choachi AGGAGTCTGACAGACAAAACGAGCAAAATCAAGGCGCGGAAGAGGAGGCCAGCAGGCA 1979
TrRif5_SC58 AGGAGTCTGACAGACAAAACGAGCAAAATCAAGGCGCGGAAGAGGAGGCCAGCAGGCA 1979

TrRif5_Choachi ATGATAATGAAACGCAATATAAAAAGAGAAATGGAGTCGTCGGAGATGTTTGTGCGTT 2039
TrRif5_SC58 ATGATAATGAAACGCAATATAAAAAGAGAAATGGAGTCGTCGGAGATGTTTGTGCGTT 2039

TrRif5_Choachi CGAGTGTGATTTTACTTTCAAGTGTACTGACTGACCGCGCATAAAGGGGGAGAAATCA 2099
TrRif5_SC58 CGAGTGTGATTTTACTTTCAAGTGTACTGACTGACCGCGCATAAAGGGGGAGAAATCA 2099

TrRif5_Choachi TCGGAGCCTGCGCGACTGGAGCAGACGCTCATGTACCGTGTGCGATGTGTGCCAA 2159
TrRif5_SC58 TCGGAGCCTGCGCGACTGGAGCAGACGCTCATGTACCGTGTGCGATGTGTGCCAA 2159

TrRif5_Choachi TGGGATTGGCCTGTGAATGGAGCTCGTGGGTTTTTGGGAGATGTGCTGTGATAAAGA 2219
TrRif5_SC58 TGGGATTGGCCTGTGAATGGAGCTCGTGGGTTTTTGGGAGATGTGCTGTGATAAAGA 2219

TrRif5_Choachi CCGAGGAGGAGGAAGAGAGGAGGGACACGTTGCTGCGGAGGACCAAAGTCTTTTTTTT 2279
TrRif5_SC58 CCGAGGAGGAGGAAGAGAGGAGGGACACGTTGCTGCGGAGGACCAAAGTCTTTTTTTT 2279

TrRif5_Choachi TT---ACGGTGGAAAAGAAGTAGCGTCCCGCGCTCATTATCAGCGTTAACAGGGGGGT 2336
TrRif5_SC58 TT---ACGGTGGAAAAGAAGTAGCGTCCCGCGCTCATTATCAGCGTTAACAGGGGGGT 2336
**
TrRif5_Choachi GATCGTGGACGGACACGACTCAGCTATTTGAGCAACACCATCGCAGACGTTGCAATGTT 2396
TrRif5_SC58 GATCGTGGACGGACACGACTCAGCTATTTGAGCAACACCATCGCAGACGTTGCAATGTT 2396

TrRif5_Choachi TTGTTAAGCGGGAGTTTGAGTACGGGACCTTCTGATAAAAAGCTAGGAACGTTGTTGATT 2456
TrRif5_SC58 TT---AAGCGGGAGTTTGAGTACGGGACCTTCTGATAAAAAGCTAGGAACGTTGTTGATT 2456
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TrRif5_Choachi TTCCGTATGCGTGGAAAGTTATCTAAAACGGTGGATATTTGAGTTATGGAAGGGAACATG 2516
TrRif5_SC58 TTCCGTATGCGTGGAAAGTTATCTAAAACGGTGGATATTTGAGTTATGGAAGGGAACATG 2516
*
TrRif5_Choachi GTTTTGGATTCTGCGATATGTTTGGAGGAGTATGGTGTCTTTTGGCTTGGCGCAAGCCA 2576
TrRif5_SC58 GTTTTGGATTCTGCGATATGTTTGGAGGAGTATGGTGTCTTTTGGCTTGGCGCAAGCCA 2576

TrRif5_Choachi GTTGATGATGGCGGTGCCGTAATTTATGCCGAGGCGGGGAGAATGGAATGCTGGGACGAC 2636
TrRif5_SC58 GTTGATGATGGCGGTGCCGTAATTTATGCCGAGGCGGGGAGAATGGAATGCTGGGACGAC 2636

TrRif5_Choachi TCTGACACTACTGTTCCGCTGCGGGCCTACGACGACTGCCGTAGCCGCCAACTTGCAG 2696
TrRif5_SC58 TCTGACACTACTGTTCCGCTGCGGGCCTACGACGACTGCCGTAGCCGCCAACTTGCAG 2696

TrRif5_Choachi ACTGTTGCGTTTTCAAGGCCACGGCGCATCCTTTGGCTTCACTCACCATCATTTTTGCT 2756
TrRif5_SC58 ACTGTTGCGTTTTCAAGGCCACGGCGCATCCTTTGGCTTCACTCACCATCATTTTTGCT 2756

TrRif5_Choachi GCCCAGGGCTCCTTTGTCTGCGTTGTCTATTTTCCGCGTCAGCTTTTTGCGCGGTACC 2816
TrRif5_SC58 GCCCAGGGCTCCTTTGTCTGCGTTGTCTATTTTCCGCGTCAGCTTTTTGCGCGGTACC 2816
*
TrRif5_Choachi ACAAAACACATCGTGCCTTGGTGGCTAAGAACAACCTGGCCTTCATGAAGGAGGGTGGGG 2876
TrRif5_SC58 ACAAAACACATCGTGCCTTGGTGGCTAAGAACAACCTGGCCTTCATGAAGGAGGGTGGGA 2876

TrRif5_Choachi ATACTCAGTGGATGCGGCCTTTATTCGACTGCCCATCGTTTTTCCCAATCTTTTTG 2936
TrRif5_SC58 ATACTCAGTGGATGCGGCCTTTATTCGACTGCCCATCGTTTTTCCCAATCTTTTTG 2936
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TrRif5_Choachi CCTCAAACCTTGAGCGCCTGCCAGCGGCTCGCAGAATGTGGAGCGGGCCTTTTGTGAAT 2996
TrRif5_SC58 CCTCAAACCTTGAGCGCCTGCCAGCGGCTCGCAGAATGTGGAGCGGGCCTTTTGTGAAT 2996

TrRif5_Choachi CGTTGCAACAAGGTGATGTGCCGCTCCGCCAACGCGCGGAGGTCGTATATTACGCAA 3056
TrRif5_SC58 CGTTGCAACAAGGTGATGTGCCGCTCCGCCAACGCGCGGAGGTCGTATATTACGCAA 3056

TrRif5_Choachi CACAAAAGCTTTTGTCTCTATTTTATCTATGCTTTTGTGCTGCTCAGCTGCGACGTGATA 3116
TrRif5_SC58 CACAAAAGCTTTTGTCTCTATTTTATCTATGCTTTTGTGCTGCTCAGCTGCGACGTGATA 3116

TrRif5_Choachi ATTCGGGAAAGGAATCCAGTGCAGAAACCCCGCACACGTCGGTATACAAGTTGCTGA 3176
TrRif5_SC58 ATTCGGGAAAGGAATCCAGTGCAGAAACCCCGCACACGTCGGTATACAAGTTGCTGA 3176

TrRif5_Choachi GGGATAAGTATGGTGCCTGTACGATGTGAAGATGTCCAGGTTTACTACTTCTCTGGTGC 3236
TrRif5_SC58 GGGATAAGTATGGTGCCTGTACGATGTGAAGATGTCCAGGTTTACTACTTCTCTGGTGC 3236

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TrRif5_Choachi   TTTACAGGGTGGAGCCCAACTTAAACGCGAATGGGGATGGACAACACGGCAGCCTGCAT 3296
TrRif5_SC58      TTTACAGGGTGGAGCCCAACCTAAACGCGAATGGGGTGGACGACAACGGCAGCCTGCAT 3294
*****
TrRif5_Choachi   TATTTCTTGGATCTCATGACACAAAAACGAGTGACGCAATTTGAAGCCCCTGGCGACTTTA 3356
TrRif5_SC58      TATTTCTTGGATCTCATGACACAAAAACGAGTGACACATTTGAAGCCCCTGGCGACTTTA 3354
*****
TrRif5_Choachi   CGACATTGGGTAGAAAGTCCCTTGTCTCGTGCAGATTGAAGTGTGGGGTTGAATCACTTG 3416
TrRif5_SC58      CGACATTGGGTAGAAAGTCCCTTGTCTCGTGCAGATTGAAGTGTGGGGTTGAATCACTTG 3414
*****
TrRif5_Choachi   TTGCGCCTACTCCGGCTCGCCAGCCGACGATTTGACGAACACGACGATGACACTGTTT 3476
TrRif5_SC58      TTGCGCCTACTCCGGCTCGCCAGCCGACGATTTGACGAACACGACGATGACACTGTTT 3474
*****
TrRif5_Choachi   TACTAACGGAGTTGAGTGATGAGGAATGTCATCCTATGACTTCCCCTGGTGTCCGGCCTT 3536
TrRif5_SC58      TACTAACGGAGTTGAGTGATGAGGAATGTCATCCTATGACTTCCCCTGGTGTCCGGCCTT 3534
*****
TrRif5_Choachi   TGCCGTTAGCAAGCAGCACCCCAAGGCTTTACCATCCATTTCCGTGGCTCAGCCTTCTCG 3596
TrRif5_SC58      TGCCGTTAGCAAGCAGCACCCCAAGGCTTTACCATCCATTTCCGTGGCTCAGCCTTCTCG 3594
*****
TrRif5_Choachi   GCCAACCGTGCTTGTCTGAGATGAATACGACGCGAATCGTTGGGCAATCACGAATGG 3656
TrRif5_SC58      GCCAACCGTGCTTGTCTGAGATGAATACGACGCGAATCGTTGGGCAATCACGAATGG 3654
*****
TrRif5_Choachi   TTGCTGAGGGAGGCCAACTCGTTCGACGGCACATTGCGGTTTCATACTCAACTGTTTGT 3716
TrRif5_SC58      TTGCTGAGGGAGGCCAACTCGTTCGACGGCACATTGCGGTTTCATACTCAACTGTTTGT 3714
*****
TrRif5_Choachi   TGAGTAAAAGAAAATCATATTTATTTCCATTTCCATGAGTGCAGTGCCTGCTGATTT 3776
TrRif5_SC58      TGAGTAAAAGAAAATCATATTTATTTCCATTTCCATGAGTGCAGTGCCTGCTGATTT 3774
*****
TrRif5_Choachi   ATGGAATTGTGAAAAGACAAGCAGGGAAGGGTCCGCTATCATGAACTATTTATCTCTTC 3836
TrRif5_SC58      ATGGAATTGTGAAAAGACAAGCAGGGAAGGGTCCGCTATCATGAACTATTTATCTCTTC 3834
*****
TrRif5_Choachi   TGCTTCGTTCTGCAGCAGTACGAGCCGAGGGTGCCTCTCCGTTTGAGATGGAATCTTGA 3896
TrRif5_SC58      TGCTTCGTTCTGCAGCAGTACGAGCCGAGGGTGCCTCTCCGTTTGAGATGGAATCTTGA 3894
*****
TrRif5_Choachi   ATGTGTACGGCACGGCAGTGAACCGTTGTACC---TATTTATCAGTCTCGTCGACAAC 3953
TrRif5_SC58      ATGTGTACGGCACGGCAGTGAACCGTTGTACCCTTGTACCACCTATCTATCAGTCTCGTCGACAAC 3954
*****
TrRif5_Choachi   TTCGTTTTCGACTTGGCATGCTTTTGCCTTCTCTTTTGAAGGGAGGGGAAGACACGACGT 4013
TrRif5_SC58      TTCGTTTTCGACTTGGCATGCTTTTGCCTTCTCTTTTGAAGGGAGGGGAAGACACGACGT 4014
*****
TrRif5_Choachi   CTCCGACGGGCGCTGACGTGAAAGCCGAAGAGAAATTCCTACAACAGTTGTCCGAGGCAG 4073
TrRif5_SC58      CTCCGACGGGCGCTGACGTGAAAGCCGAAGAGAAATTCCTACAACAGTTGTCCGAGGCAG 4074
*****
TrRif5_Choachi   GGAAGCAGCTTCTTACTTGGTGGCGAAGCAGACAGCTGAACCATCGAGTTACGAGAGTG 4133
TrRif5_SC58      GGAAGCAGCTTCTTACTTGGTGGCGAAGCAGACAGCTGAACCATCGAGTTACGAGAGTG 4134
*****
TrRif5_Choachi   ACGATGGGAAACCTCCCGCAGCGGTACCTTAAAATAAATCTTGAACCTGATTCCTTCG 4193
TrRif5_SC58      ACGATGGGAAACCTCCCGCAGCGGTACCTTAAAATAAATCTTGAACCTGATTCCTTCG 4194
*****
TrRif5_Choachi   ACGGCGCAGGCAGGTGTATGTGGGTCTCTGTGTACCCCATCAAGAATGAACCAGAAACCA 4253
TrRif5_SC58      ACGGCGCAGGCAGGTGTATGTGGGTCTCTGTGTACCCCATCAAGAATGAACCAGAAACCA 4254
*****
TrRif5_Choachi   AGGGATATGTTGAGGCAGTTGGAACGCGGCCAATCCTCATCAGCAGTTTGACCTTGCGT 4313
TrRif5_SC58      AGGGATATGTTGAGGCAGTTGGAACGCGGCCAATCCTCATCAGCAGTTTGACCTTGCGT 4314
*****
TrRif5_Choachi   CCAATGTGTGGTCTCGATTCCCGCAGCACACTTCTCGTGAGGTATCGCCCGAGCAGC 4373
TrRif5_SC58      CCAATGTGTGGTCTCGATTCCCGCAGCACACTTCTCGTGAGGTATCGCCCGAGCAGC 4374
*****
TrRif5_Choachi   ACGAGTATGTTTTGCGTGGTCGGAAGCTGAAAACTGGCCCCAGTGGACGCTGAGGTGG 4433
TrRif5_SC58      ACGAGTATGTTTTGCGTGGTCGGAAGCTGAAAACTGGCCCCAGTGGACGCTGAGGTGG 4434
*****
TrRif5_Choachi   CCA 4436
TrRif5_SC58      CCA 4437
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