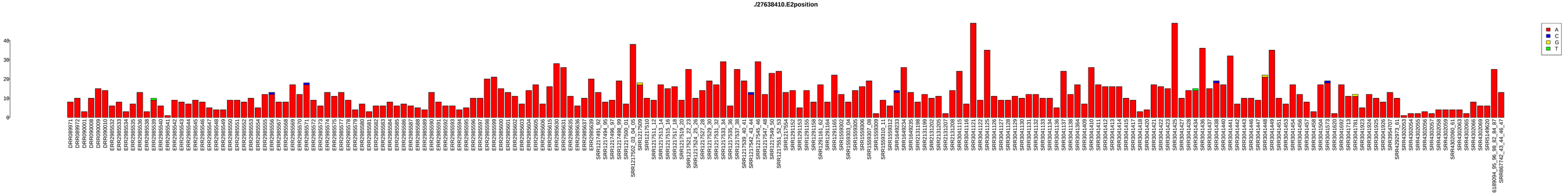
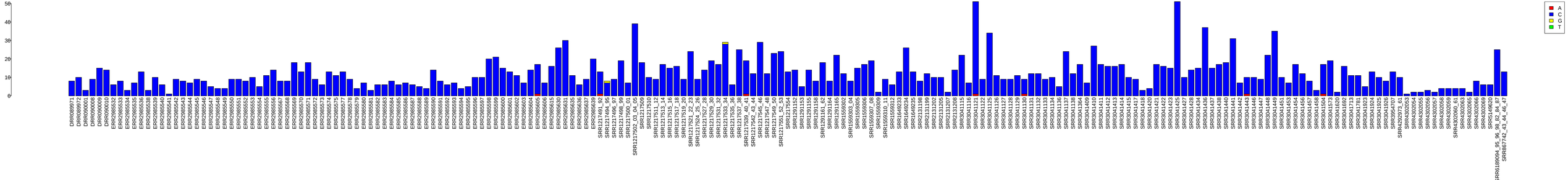
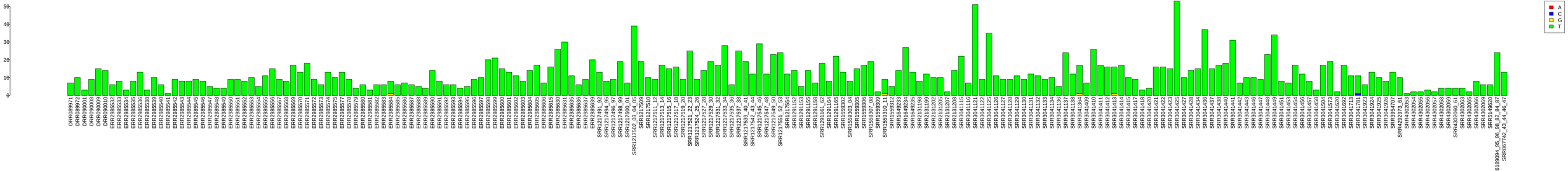

./27638410.E2position
A
C
G
T

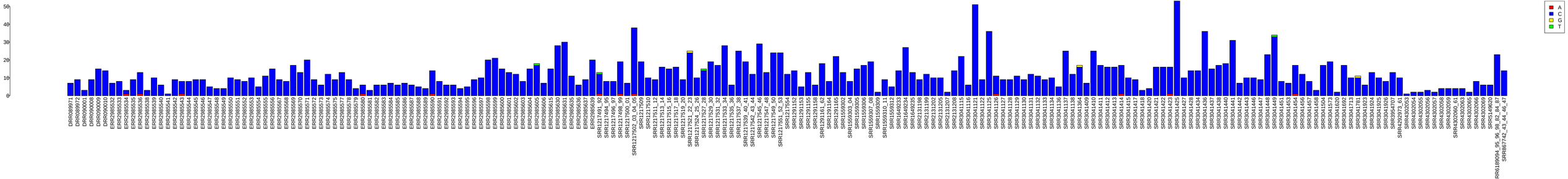
./27638411.E2position

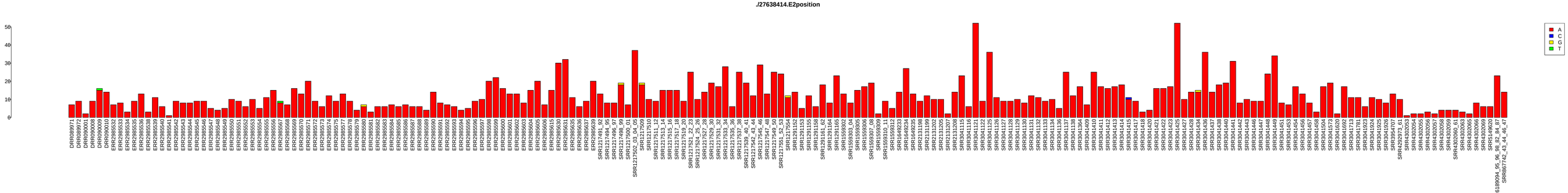


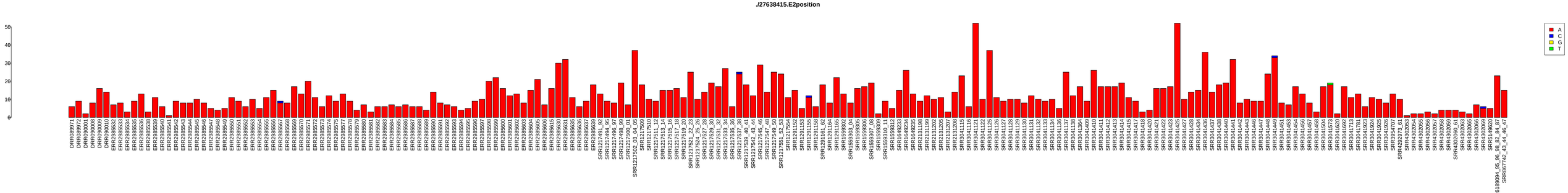
./27638412.E2position



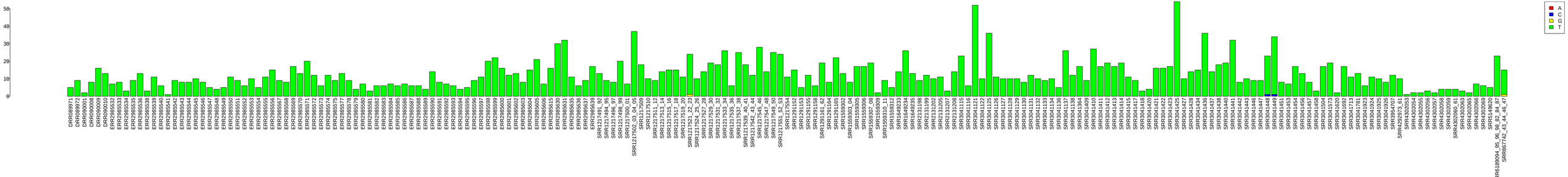
./27638413.E2position


50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_87
SRR1217498_99
SRR1217500_01
SRR1217502_23_24_25
SRR1217505
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217548_49
SRR1217549_50
SRR1217553_54
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1593002
SRR1593004
SRR1593005
SRR1593006
SRR1593007_08
SRR1593009
SRR1593010
SRR1593011
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041124
SRR3041125
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181094_95
SRR6181094_96
SRR6181094_97
SRR6181094_98
SRR6181094_99
SRR6181094_100
SRR6181094_101
SRR6181094_102
SRR6181094_103
SRR6181094_104
SRR6181094_105
SRR6181094_106
SRR6181094_107
SRR6181094_108
SRR6181094_109
SRR6181094_110
SRR6181094_111
SRR6181094_112
SRR6181094_113
SRR6181094_114
SRR6181094_115
SRR6181094_116
SRR6181094_117
SRR6181094_118
SRR6181094_119
SRR6181094_120
SRR6181094_121
SRR6181094_122
SRR6181094_123
SRR6181094_124
SRR6181094_125
SRR6181094_126
SRR6181094_127
SRR6181094_128
SRR6181094_129
SRR6181094_130
SRR6181094_131
SRR6181094_132
SRR6181094_133
SRR6181094_134

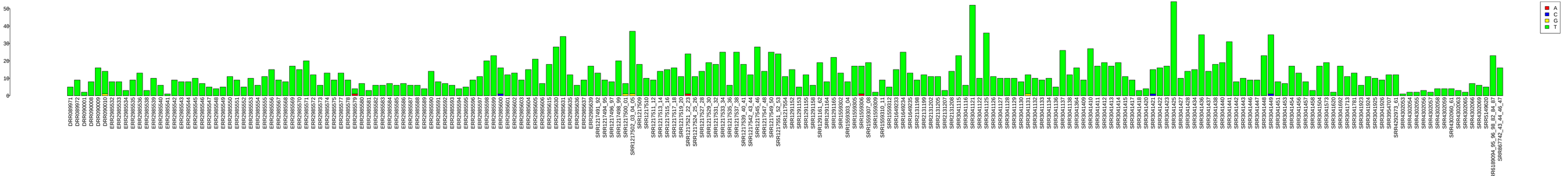

./27638414.E2position
A
C
G
T


./27638415.E2position
A
C
G
T

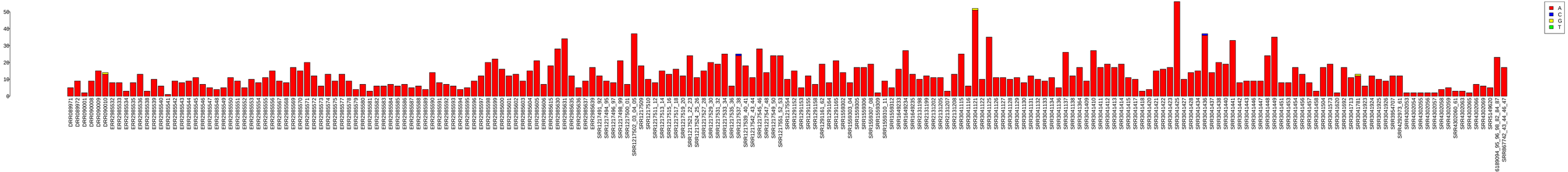
./27638416.E2position

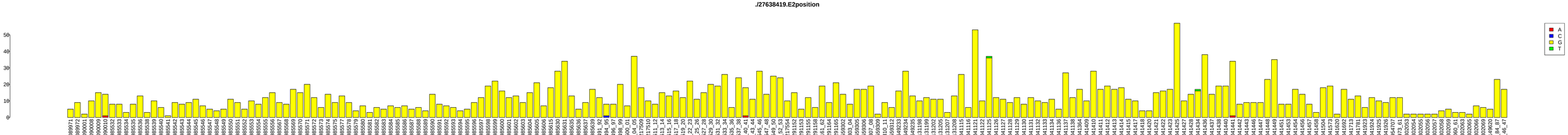


./27638417.E2position

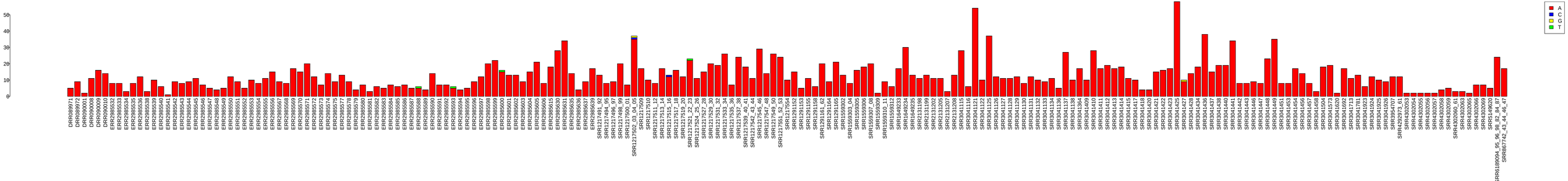


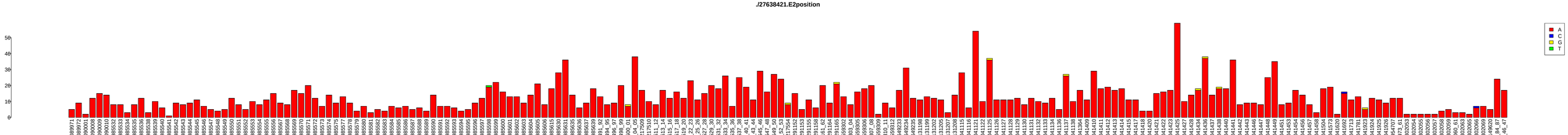
./27638418.E2position



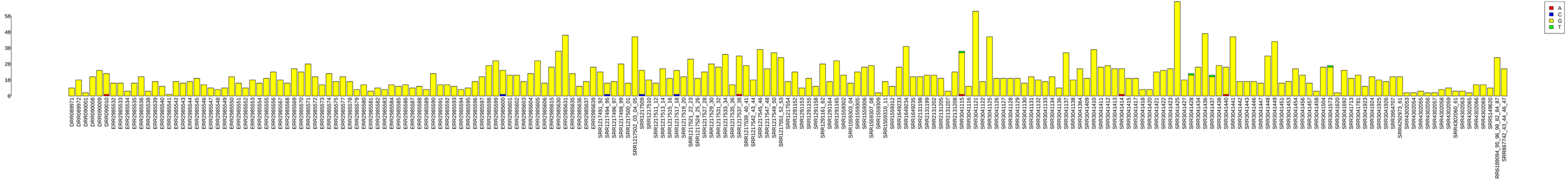

./27638419.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_4_25
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291159
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3044707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6189094_95_96_98_82_84_87
SRR6877421_43_44_46_47

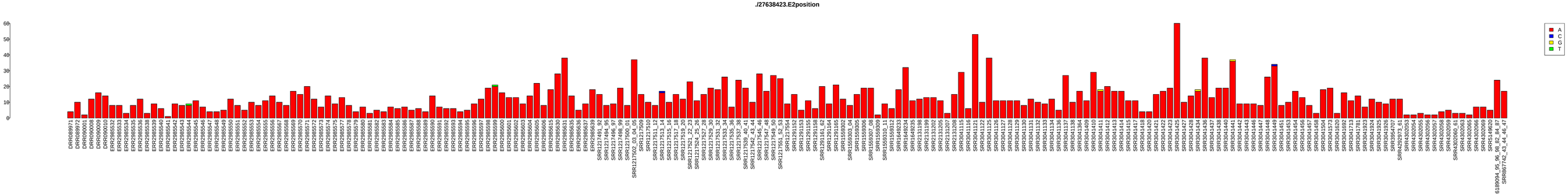
./27638420.E2position

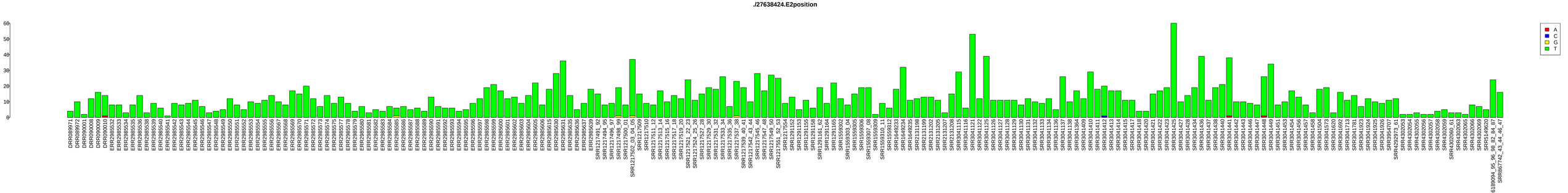



./27638421.E2position
0
10
20
30
40
50
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217514_15
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217548_50
SRR1217549_50
SRR1217553_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1649223
SRR1649224
SRR1649235
SRR1649236
SRR2131190
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3094707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181 6
SRR6181094_95_96_98_82_84_87
SRR6877742_43_44_46_47
A
C
G
T

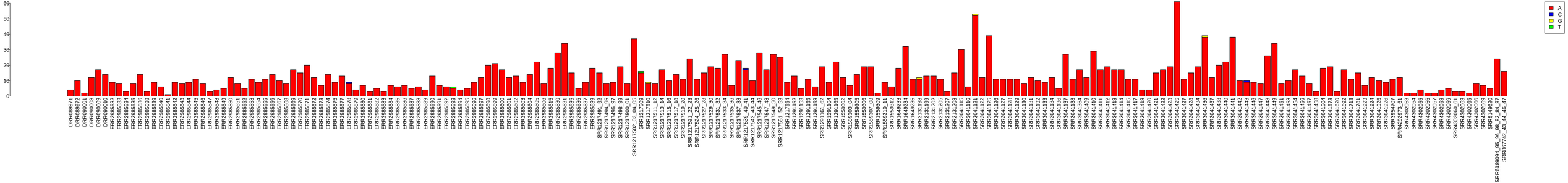
./27638422.E2position

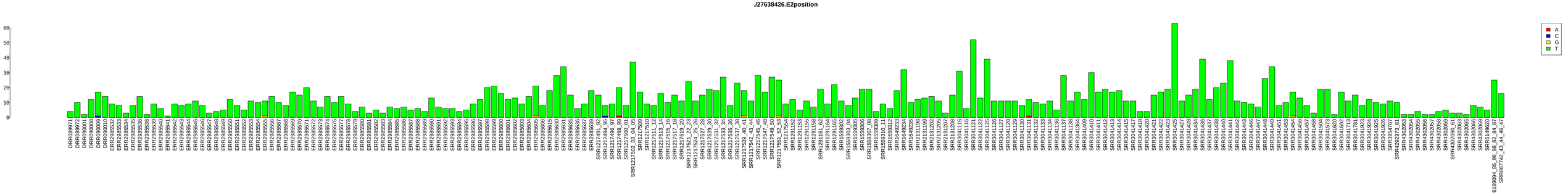



./27638423.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217502_03_7406
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181094_95
SRR6181094_96
SRR6181094_98
SRR6181094_82_84_87
SRR6877742_43_44_46_47

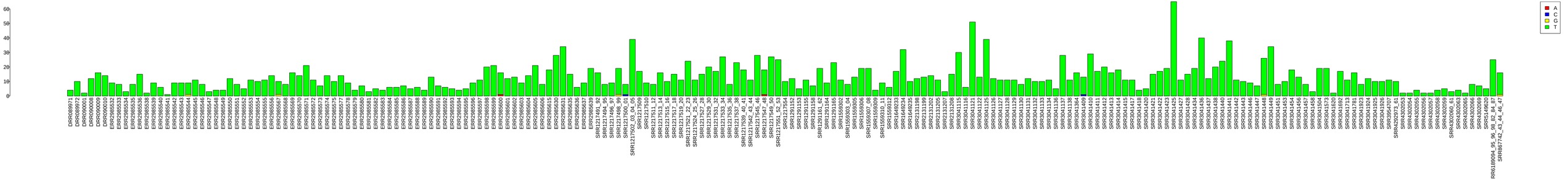

./27638424.E2position
A
C
G
T

./27638425.E2position

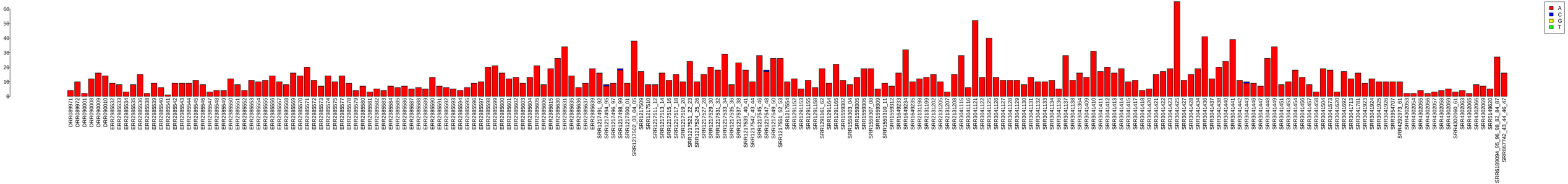


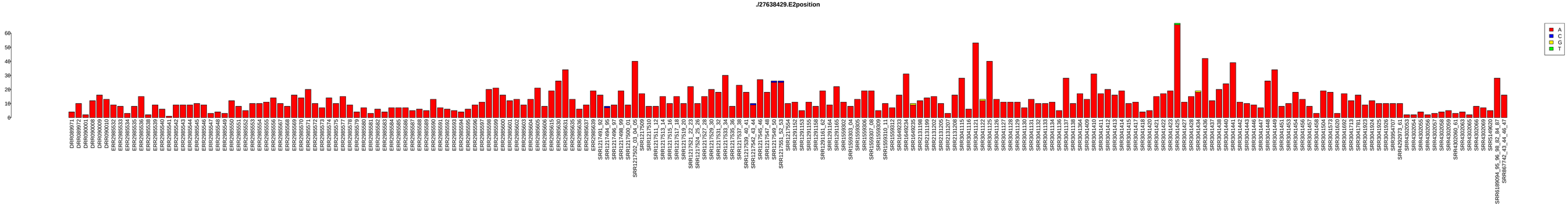

./27638426.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985560
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985638
ERR2985637
ERR2985639
SRR1217494_95
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302056
SRR4302058
SRR4302059
SRR4302058
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6189094_95_96_98_82_84_87
SRR6877421_43_44_46_47

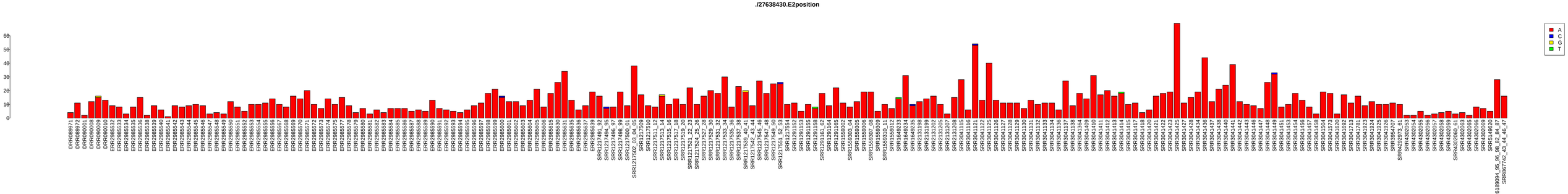
./27638427.E2position

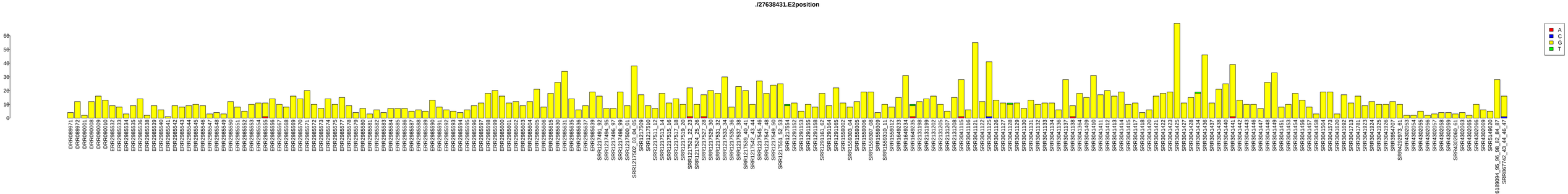


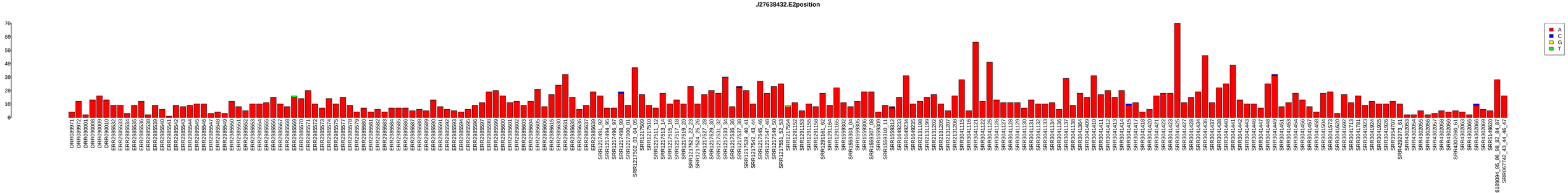
./27638428.E2position

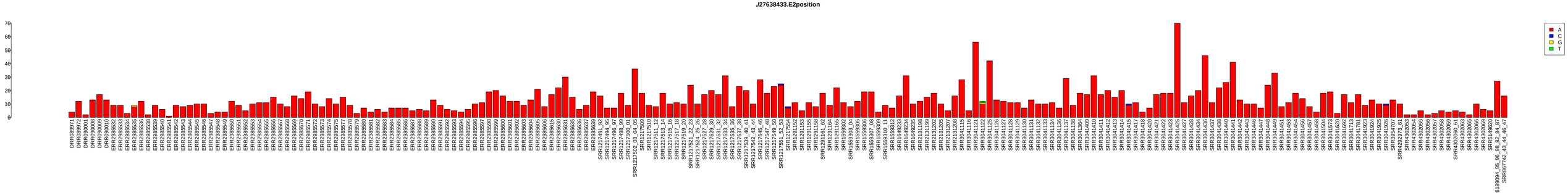


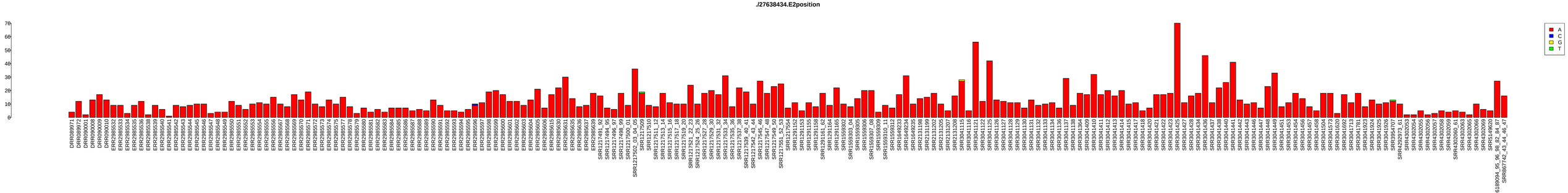

./27638429.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
ERR2985640
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

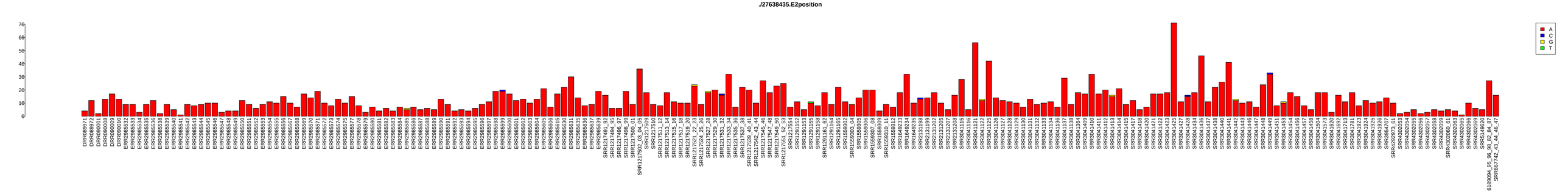

./27638430.E2position
A
C
G
T

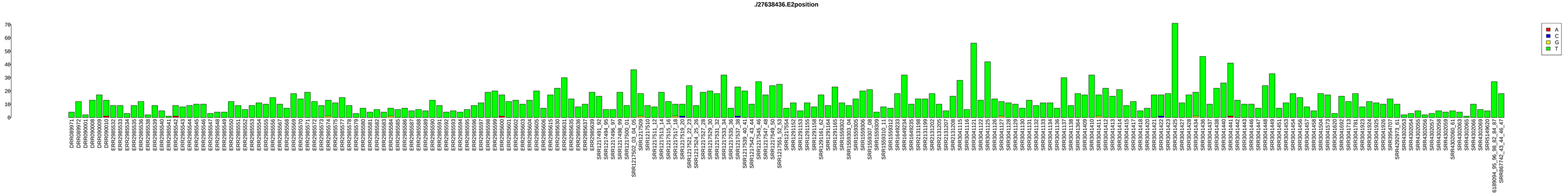

./27638431.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217552_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291159
SRR1291161_62
SRR1291165
SRR1291164
SRR1291166
SRR1291167
SRR1291168
SRR1291169
SRR1291170
SRR1291171
SRR1291172
SRR1291173
SRR1291174
SRR1291175
SRR1291176
SRR1291177
SRR1291178
SRR1291179
SRR1291180
SRR1291181
SRR1291182
SRR1291183
SRR1291184
SRR1291185
SRR1291186
SRR1291187
SRR1291188
SRR1291189
SRR1291190
SRR1291191
SRR1291192
SRR1291193
SRR1291194
SRR1291195
SRR1291196
SRR1291197
SRR1291198
SRR1291199
SRR1291200
SRR1291201
SRR1291202
SRR1291203
SRR1291204
SRR1291205
SRR1291206
SRR1291207
SRR1291208
SRR1291209
SRR1291210
SRR1291211
SRR1291212
SRR1291213
SRR1291214
SRR1291215
SRR1291216
SRR1291217
SRR1291218
SRR1291219
SRR1291220
SRR1291221
SRR1291222
SRR1291223
SRR1291224
SRR1291225
SRR1291226
SRR1291227
SRR1291228
SRR1291229
SRR1291230
SRR1291231
SRR1291232
SRR1291233
SRR1291234
SRR1291235
SRR1291236
SRR1291237
SRR1291238
SRR1291239
SRR1291240
SRR1291241
SRR1291242
SRR1291243
SRR1291244
SRR1291245
SRR1291246
SRR1291247
SRR1291248
SRR1291249
SRR1291250
SRR1291251
SRR1291252
SRR1291253
SRR1291254
SRR1291255
SRR1291256
SRR1291257
SRR1291258
SRR1291259
SRR1291260
SRR1291261
SRR1291262
SRR1291263
SRR1291264
SRR1291265
SRR1291266
SRR1291267
SRR1291268
SRR1291269
SRR1291270
SRR1291271
SRR1291272
SRR1291273
SRR1291274
SRR1291275
SRR1291276
SRR1291277
SRR1291278
SRR1291279
SRR1291280
SRR1291281
SRR1291282
SRR1291283
SRR1291284
SRR1291285
SRR1291286
SRR1291287
SRR1291288
SRR1291289
SRR1291290
SRR1291291
SRR1291292
SRR1291293
SRR1291294
SRR1291295
SRR1291296
SRR1291297
SRR1291298
SRR1291299
SRR1291300
SRR1291301
SRR1291302
SRR1291303
SRR1291304
SRR1291305
SRR1291306
SRR1291307
SRR1291308
SRR1291309
SRR1291310
SRR1291311
SRR1291312
SRR1291313
SRR1291314
SRR1291315
SRR1291316
SRR1291317
SRR1291318
SRR1291319
SRR1291320
SRR1291321
SRR1291322
SRR1291323
SRR1291324
SRR1291325
SRR1291326
SRR1291327
SRR1291328
SRR1291329
SRR1291330
SRR1291331
SRR1291332
SRR1291333
SRR1291334
SRR1291335
SRR1291336
SRR1291337
SRR1291338
SRR1291339
SRR1291340
SRR1291341
SRR1291342
SRR1291343
SRR1291344
SRR1291345
SRR1291346
SRR1291347
SRR1291348
SRR1291349
SRR1291350
SRR1291351
SRR1291352
SRR1291353
SRR1291354
SRR1291355
SRR1291356
SRR1291357
SRR1291358
SRR1291359
SRR1291360
SRR1291361
SRR1291362
SRR1291363
SRR1291364
SRR1291365
SRR1291366
SRR1291367
SRR1291368
SRR1291369
SRR1291370
SRR1291371
SRR1291372
SRR1291373
SRR1291374
SRR1291375
SRR1291376
SRR1291377
SRR1291378
SRR1291379
SRR1291380
SRR1291381
SRR1291382
SRR1291383
SRR1291384
SRR1291385
SRR1291386
SRR1291387
SRR1291388
SRR1291389
SRR1291390
SRR1291391
SRR1291392
SRR1291393
SRR1291394
SRR1291395
SRR1291396
SRR1291397
SRR1291398
SRR1291399
SRR1291400
SRR1291401
SRR1291402
SRR1291403
SRR1291404
SRR1291405
SRR1291406
SRR1291407
SRR1291408
SRR1291409
SRR1291410
SRR1291411
SRR1291412
SRR1291413
SRR1291414
SRR1291415
SRR1291416
SRR1291417
SRR1291418
SRR1291419
SRR1291420
SRR1291421
SRR1291422
SRR1291423
SRR1291424
SRR1291425
SRR1291426
SRR1291427
SRR1291428
SRR1291429
SRR1291430
SRR1291431
SRR1291432
SRR1291433
SRR1291434
SRR1291435
SRR1291436
SRR1291437
SRR1291438
SRR1291439
SRR1291440
SRR1291441
SRR1291442
SRR1291443
SRR1291444
SRR1291445
SRR1291446
SRR1291447
SRR1291448
SRR1291449
SRR1291450
SRR1291451
SRR1291452
SRR1291453
SRR1291454
SRR1291455
SRR1291456
SRR1291457
SRR1291458
SRR1291459
SRR1291504
SRR1291573
SRR1291620
SRR1291621
SRR1291775
SRR1291781
SRR1291782
SRR1291923
SRR1291924
SRR1291925
SRR1291926
SRR1294707
SRR4292973_61
SRR4302052
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302062
SRR4302063
SRR4302064
SRR4302065
SRR4302066
SRR4302067
SRR6189094_95_96_98_82_84_87
SRR6877421_43_44_46_47


./27638432.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217502_03_7406
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181 6
SRR6181094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

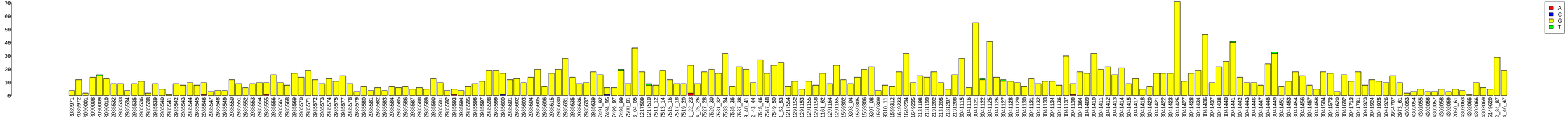

./27638433.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217502_03_7406
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181 6
SRR6181094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

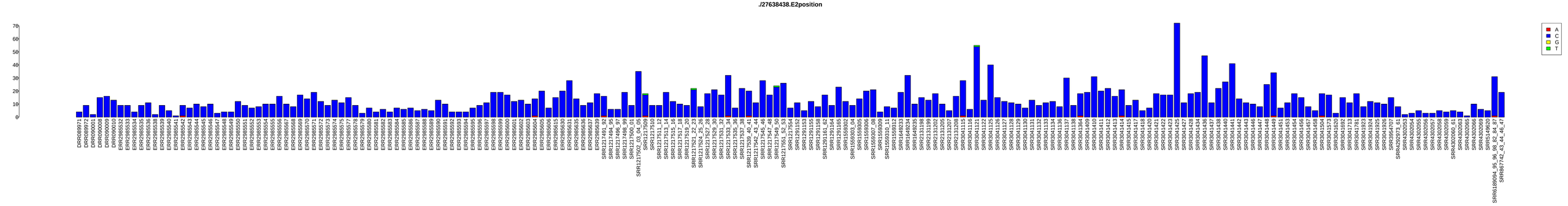

./27638434.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1648223
SRR1648224
SRR1648235
SRR1648236
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR6180094_95_96_98_82_84_87
SRR6877 42_43_44_46_47
SRR4302053
SRR4302054
SRR4302055
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070

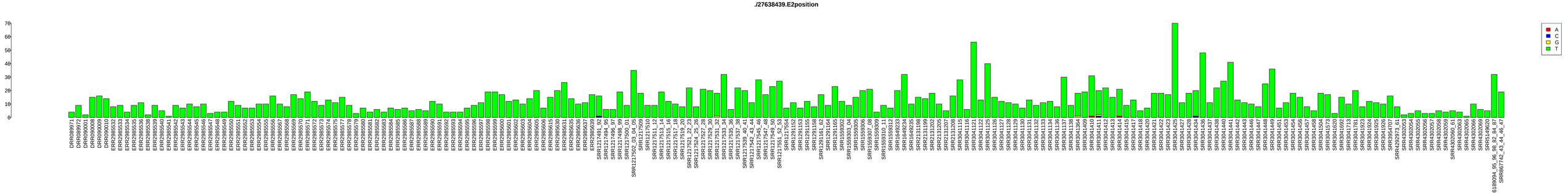

./27638435.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217514_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1593002
SRR1593004
SRR1593005
SRR1593096
SRR1593097
SRR1593099
SRR1593100_08
SRR1593101
SRR1593112
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041450
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638436.E2position
A
C
G
T
0
10
20
30
40
50
60
70
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985638
ERR2985637
ERR2985639
SRR12171494_95
SRR12171494_96
SRR12171498_97
SRR12171498_98
SRR12171500_01
SRR12171502_03_14_05
SRR12171505_06
SRR12171510
SRR12171511_12
SRR12171513_14
SRR12171515_18
SRR12171517_19
SRR12171519_20
SRR12171521_22_23
SRR12171524_25_26
SRR12171527_28
SRR12171529_30
SRR12171531_32
SRR12171533_34
SRR12171535_36
SRR12171537_38
SRR12171539_40
SRR12171542_43_44
SRR12171545_46
SRR12171547_48
SRR12171549_50
SRR12171551_53
SRR12171554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307
SRR1539309
SRR1539310
SRR1539311
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041520
SRR3041573
SRR3041576
SRR3041711
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302052
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302062
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

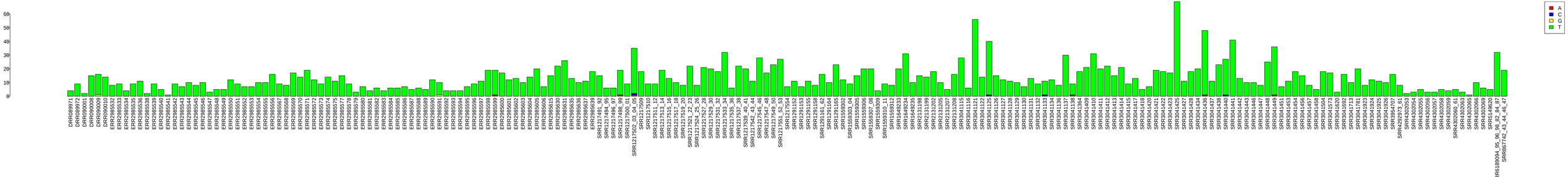
./27638437.E2position



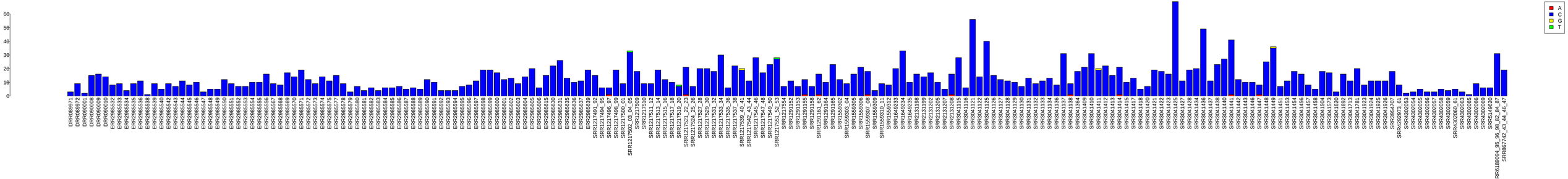

./27638438.E2position
A
C
G
T


./27638439.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985560
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985638
ERR2985639
ERR2985637
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_98
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR3041116
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041725
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR4302069
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

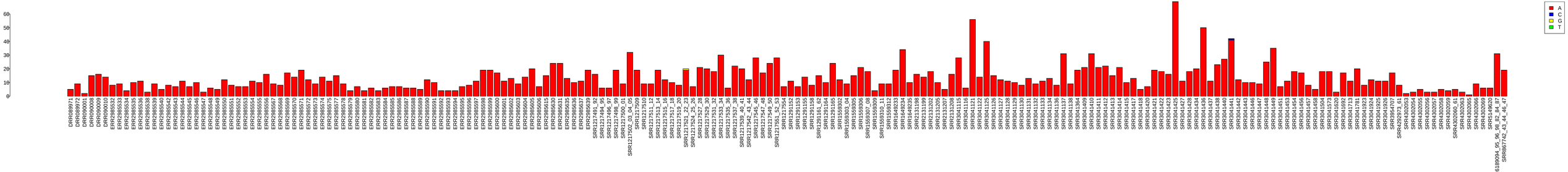
./27638440.E2position

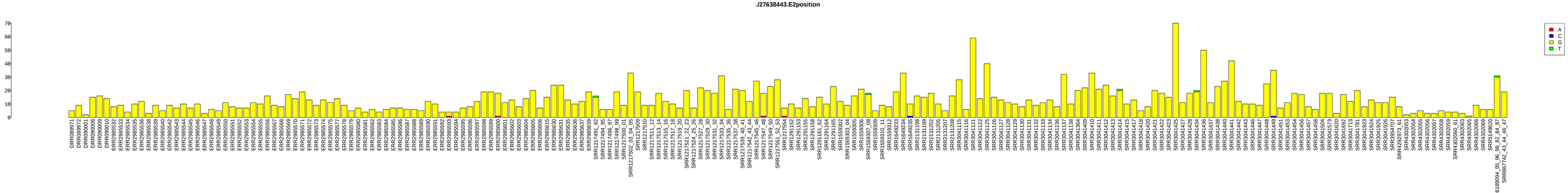


./27638441.E2position

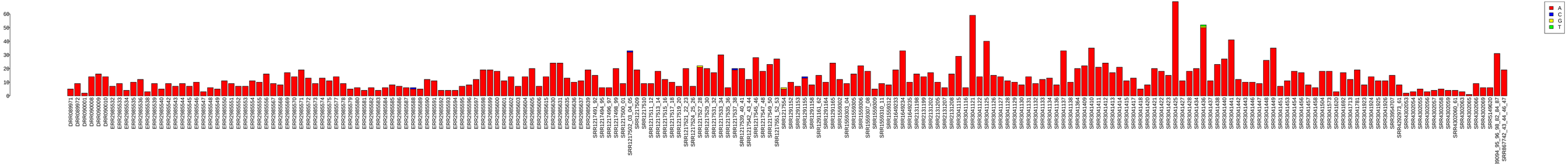


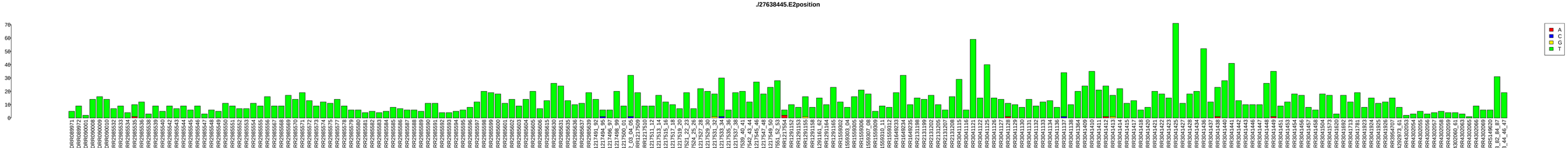
./27638442.E2position

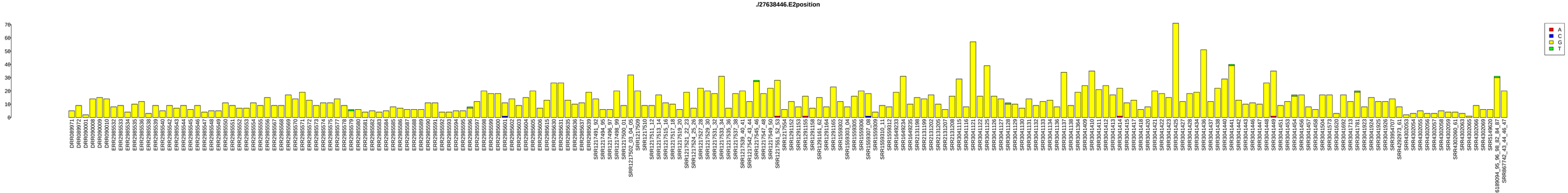


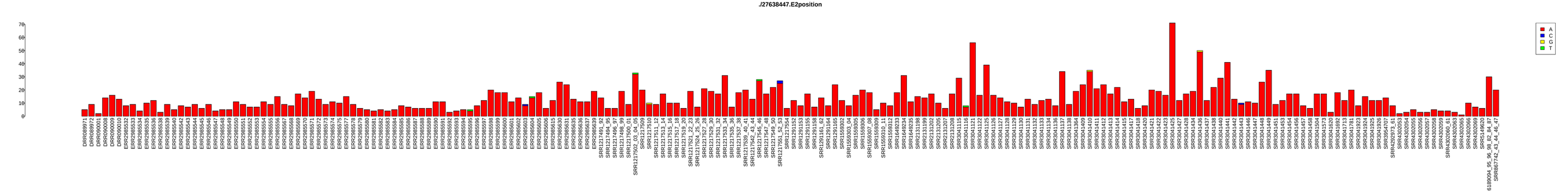

./27638443.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985554
ERR2985555
ERR2985556
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_92
SRR1217494_95
SRR1217496_89
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559308
SRR1559310_11
SRR1559312
SRR1640233
SRR1640234
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041450
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302067
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

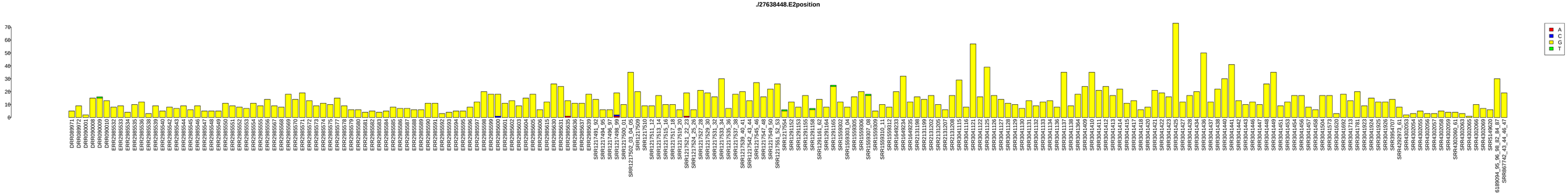
./27638444.E2position

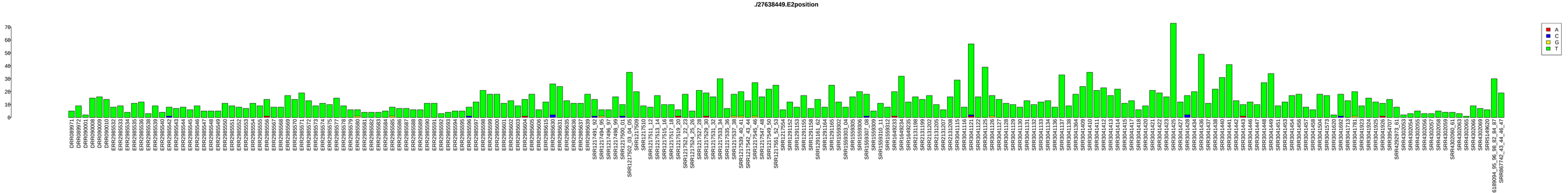


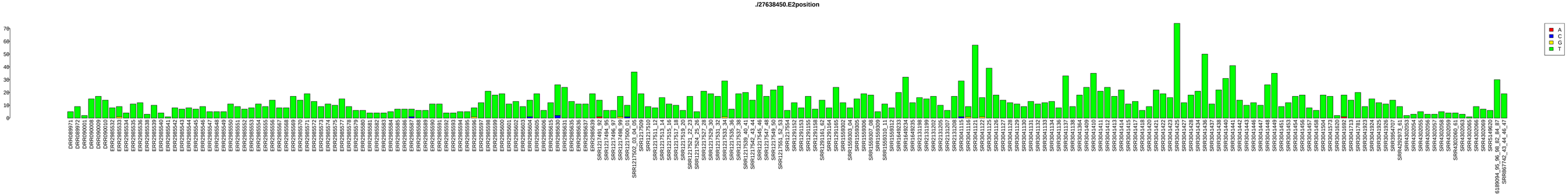

./27638445.E2position
A
C
G
T
70
60
50
40
30
20
10
0
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR2133195
SRR2133199
SRR2133198
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041429
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302025
SRR4302054
SRR4302055
SRR4302058
SRR4302057
SRR4302058
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6618094_95_96_98_82_84_87
SRR6877 42_43_44_46_47


./27638446.E2position
A
C
G
T

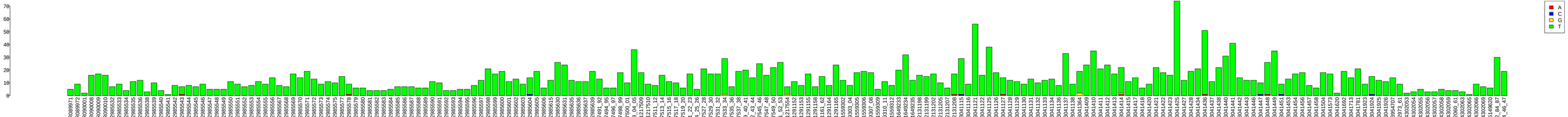

./27638447.E2position
A
C
G
T

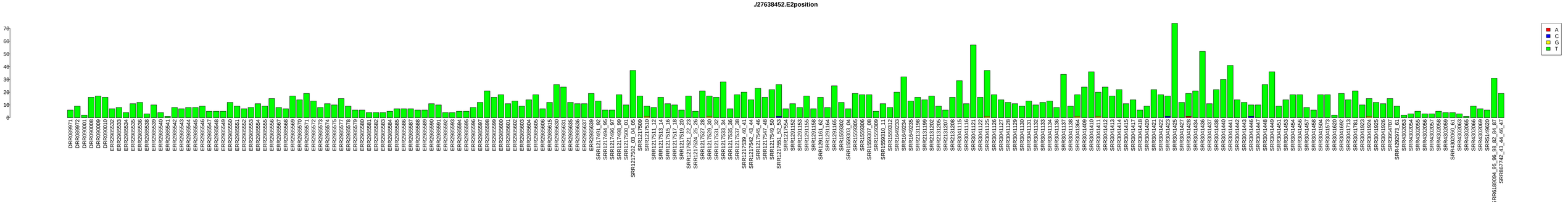

./27638448.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1640233
SRR1640234
SRR2131195
SRR2131199
SRR2131198
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302062
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638449.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1640233
SRR1640234
SRR2131195
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041430
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041520
SRR3041573
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4300052
SRR4300054
SRR4300055
SRR4300058
SRR4300059
SRR4300260
SRR4300261
SRR4300263
SRR4300265
SRR4300266
SRR4300268
SRR5666_6
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

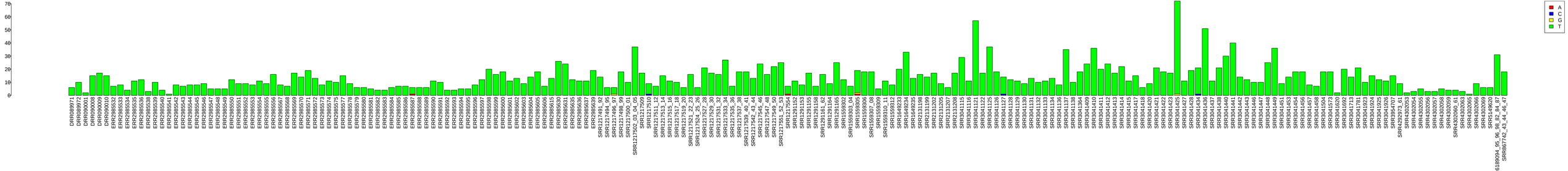

./27638450.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985629
ERR2985631
ERR2985638
ERR2985639
ERR2985637
ERR2985636
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_98
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291163
SRR1291161_62
SRR1291164
SRR1291165
SRR1593002
SRR1593004
SRR1593005
SRR1593006
SRR1593007_08
SRR1593009
SRR1593010
SRR1593011
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

./27638451.E2position

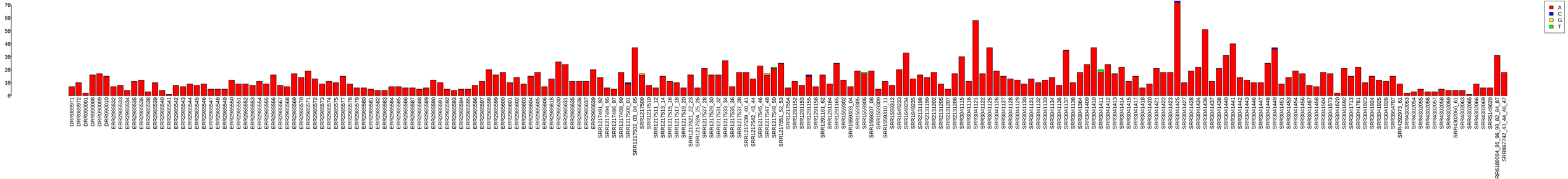


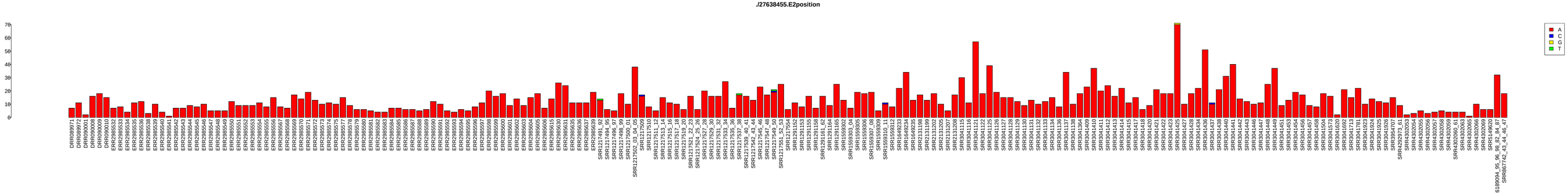

./27638452.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985629
ERR2985631
ERR2985636
ERR2985637
ERR2985639
SRR12172494_95
SRR12172494_96
SRR12172498_97
SRR12172498_98
SRR12172500_01
SRR12172502_03_74_05
SRR12172502_03_74_06
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25_26
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40
SRR12172542_43_44
SRR12172546_46
SRR12172548_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR1291152
SRR1291153
SRR1291155
SRR1291163
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR4302069
SRR6189094_95_96_98_82_84_87
SRR6877421_43_44_46_47

./27638453.E2position

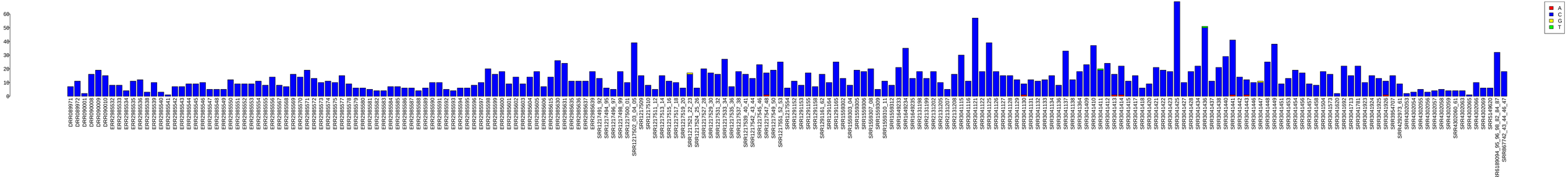


./27638454.E2position

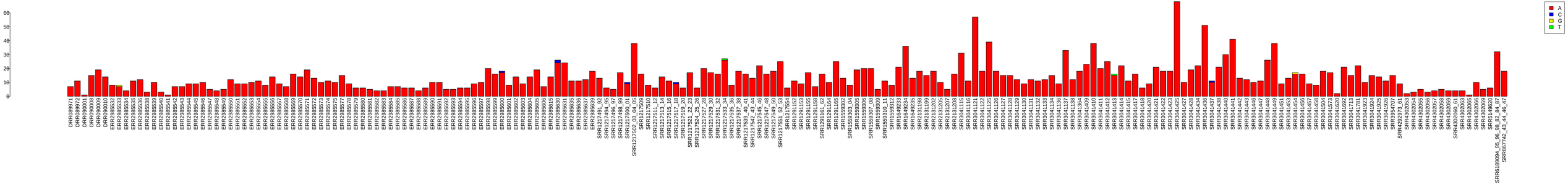



./27638455.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985633
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217500_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181 6
SRR6181094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

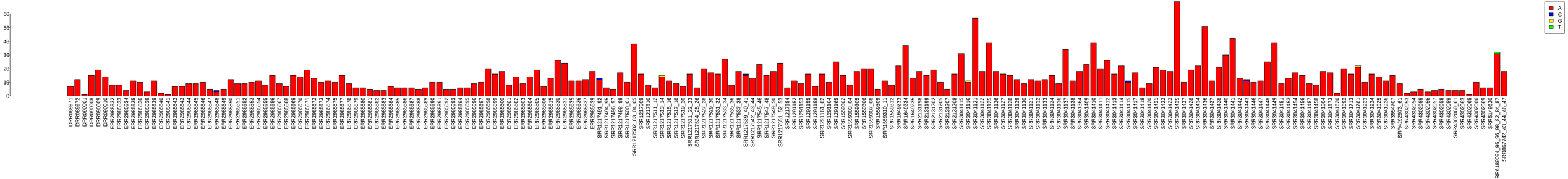
./27638456.E2position

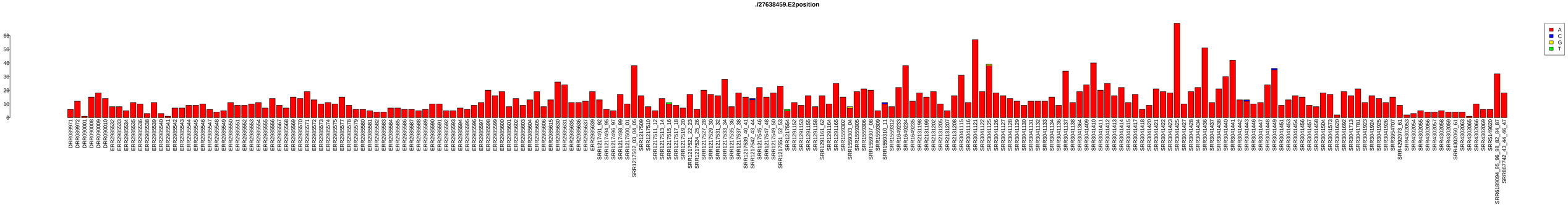


./27638457.E2position

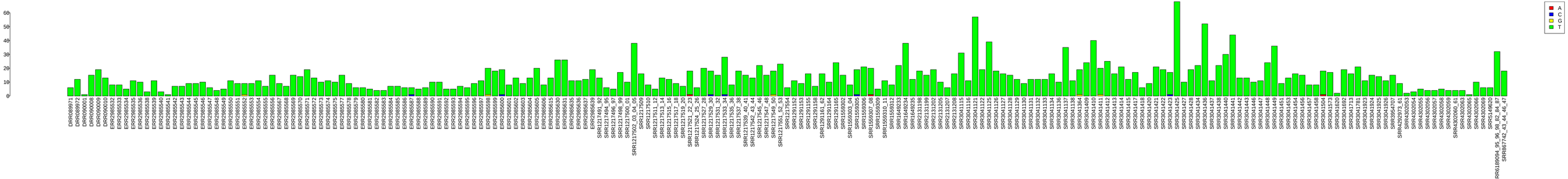


./27638458.E2position

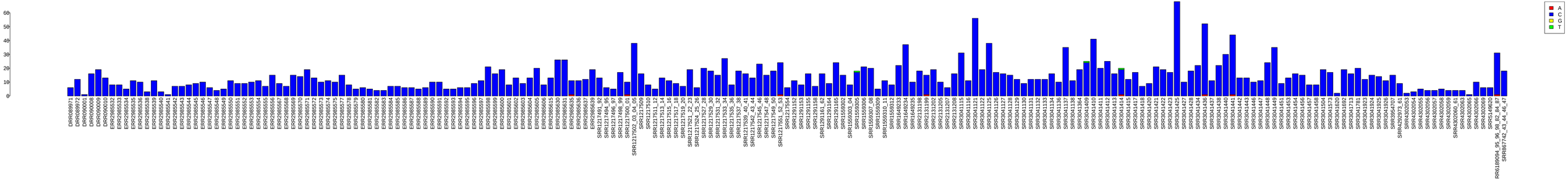



./27638459.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_94
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649223
SRR1649224
SRR1649235
SRR1649236
SRR2131190
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181 6
SRR6181094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

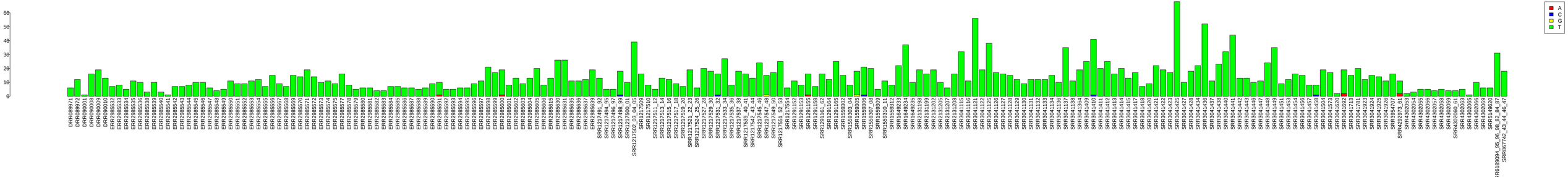
./27638460.E2position



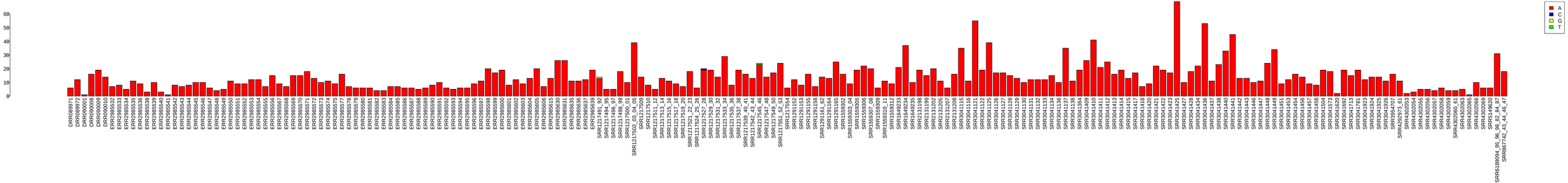
./27638461.E2position

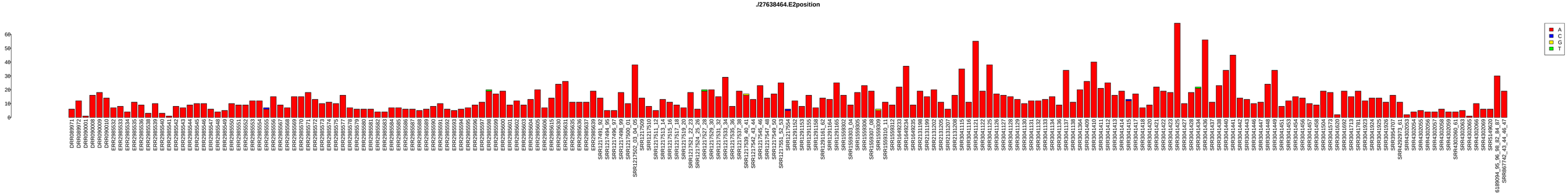


./27638462.E2position

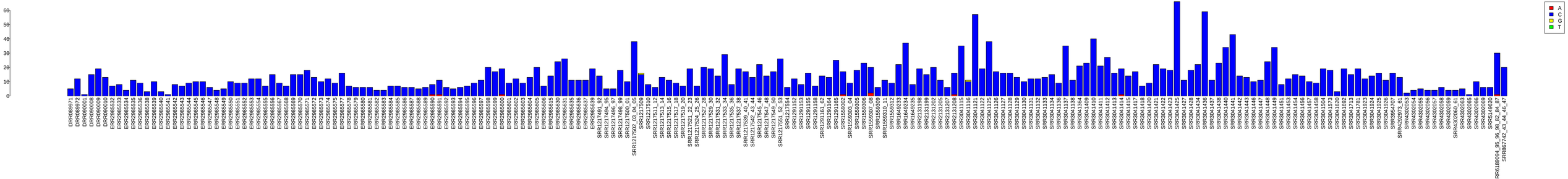


./27638463.E2position

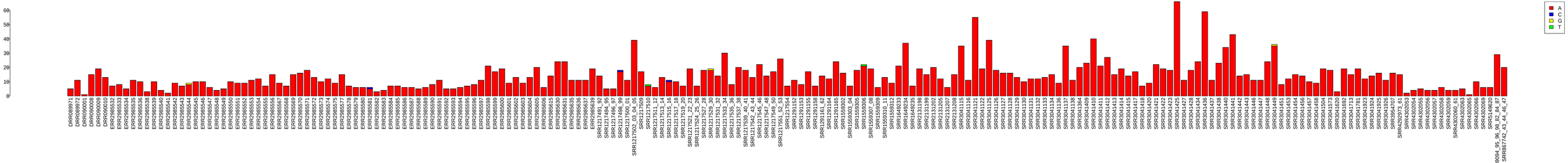



./27638464.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985565
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

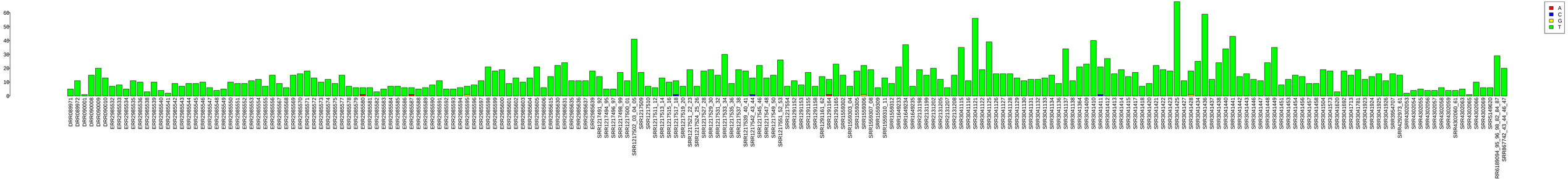
./27638465.E2position



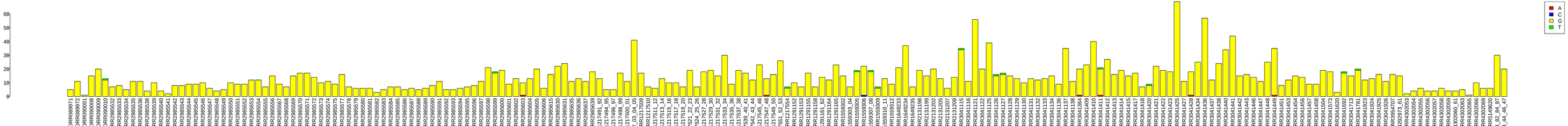
./27638466.E2position

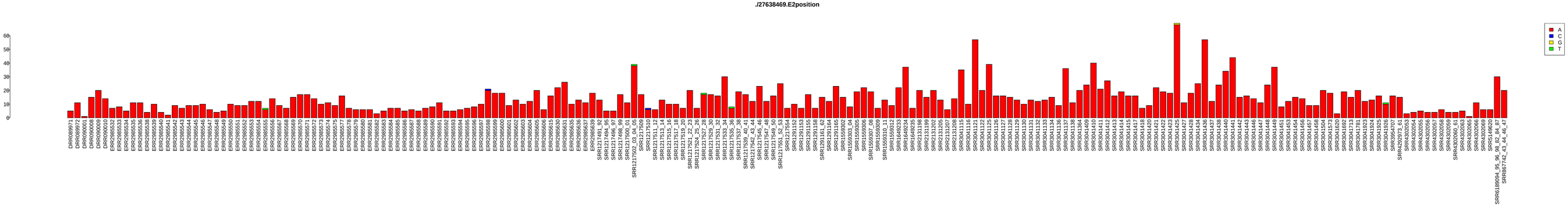


./27638467.E2position

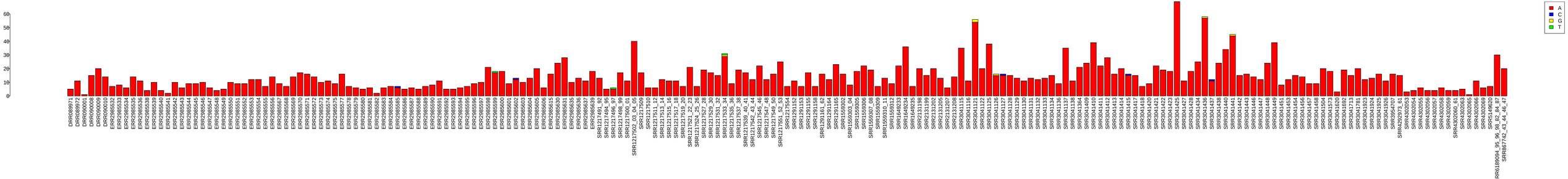


./27638468.E2position

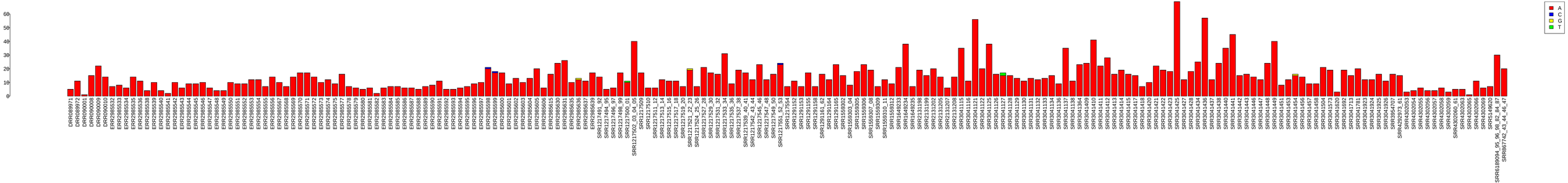



./27638469.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217548_49
SRR1217549_50
SRR1217552_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

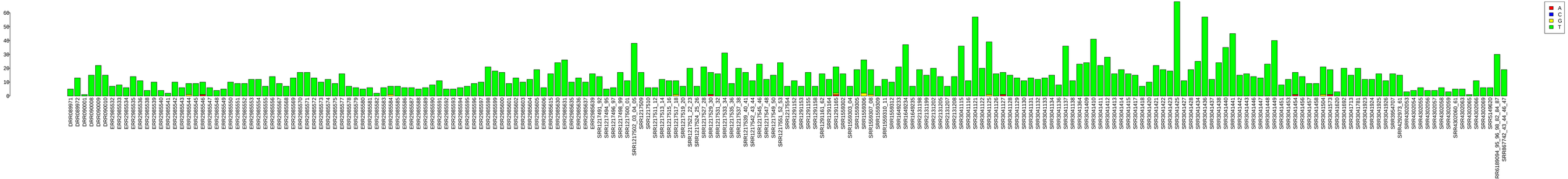
./27638470.E2position



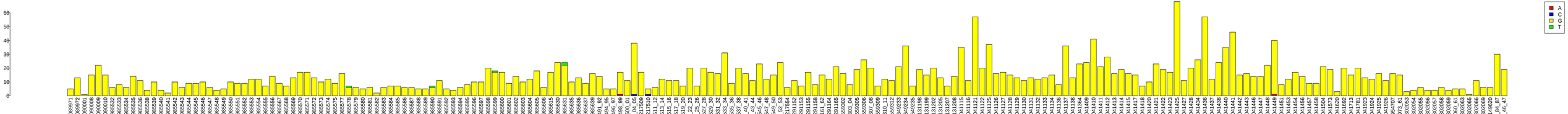
./27638471.E2position



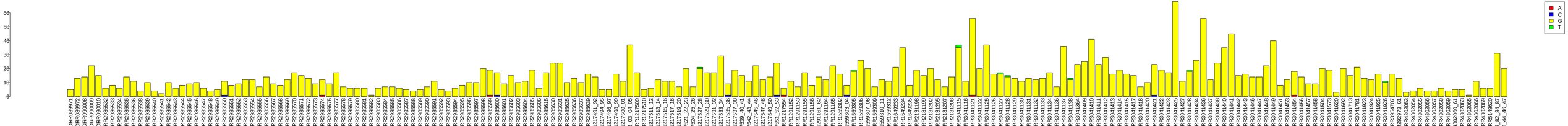
./27638472.E2position

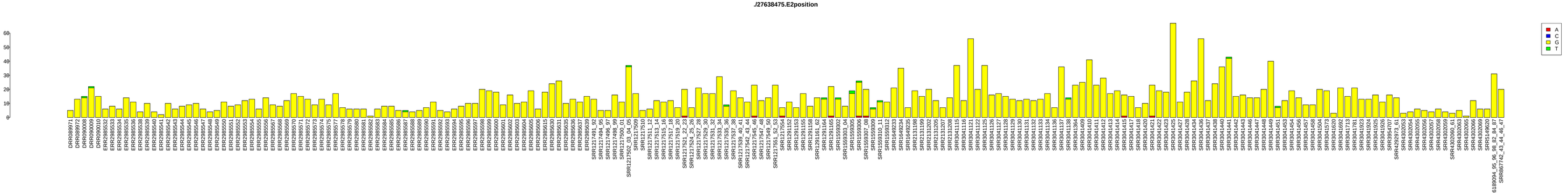

60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_98
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291163
SRR1291165
SRR1291166
SRR1291164
SRR1291167
SRR1291168
SRR1291169
SRR1291170
SRR1291171
SRR1291172
SRR1291173
SRR1291174
SRR1291175
SRR1291176
SRR1291177
SRR1291178
SRR1291179
SRR1291180
SRR1291181
SRR1291182
SRR1291183
SRR1291184
SRR1291185
SRR1291186
SRR1291187
SRR1291188
SRR1291189
SRR1291190
SRR1291191
SRR1291192
SRR1291193
SRR1291194
SRR1291195
SRR1291196
SRR1291197
SRR1291198
SRR1291199
SRR1291200
SRR1291201
SRR1291202
SRR1291203
SRR1291204
SRR1291205
SRR1291206

./27638473.E2position

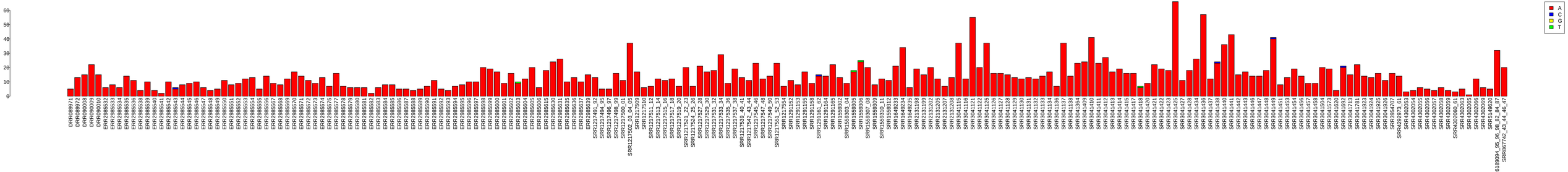


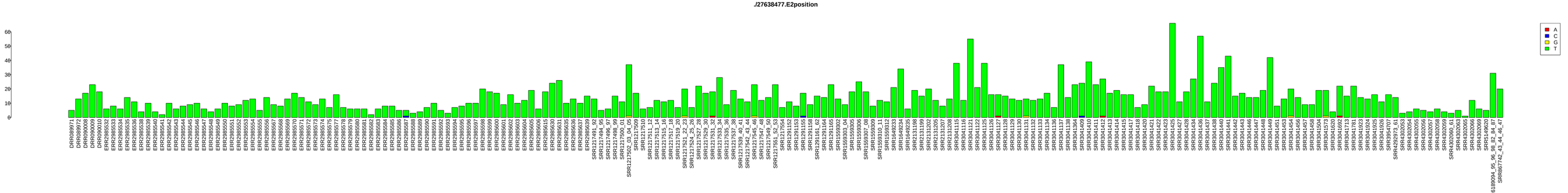
./27638474.E2position



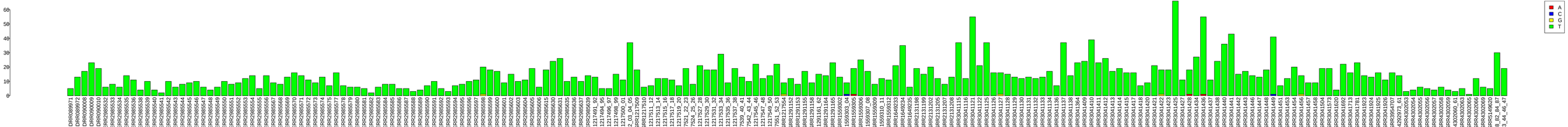

./27638475.E2position
A
C
G
T
0
10
20
30
40
50
60
DRR089971
DRR089972
DRR090008
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR2131195
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041621
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302067
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638476.E2position

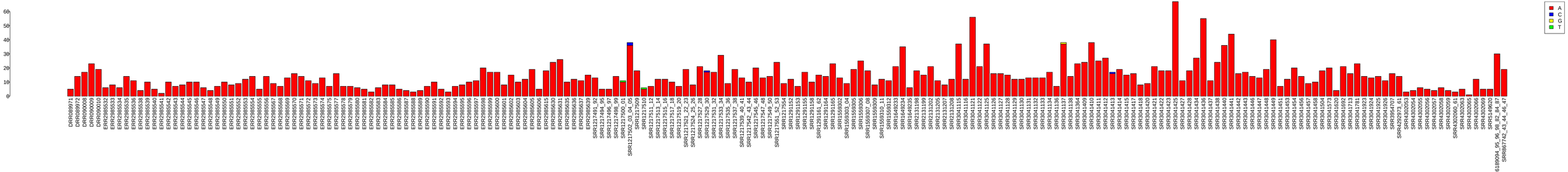


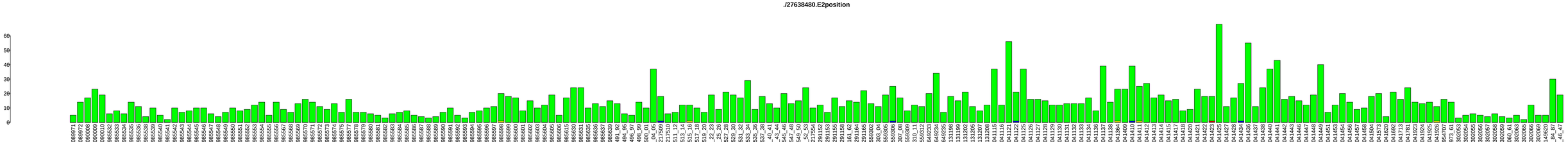

./27638477.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291166
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR2131195
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041459
SRR3041504
SRR3041573
SRR3041620
SRR3041687
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302061
SRR4302062
SRR4302063
SRR4302065
SRR4302066
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

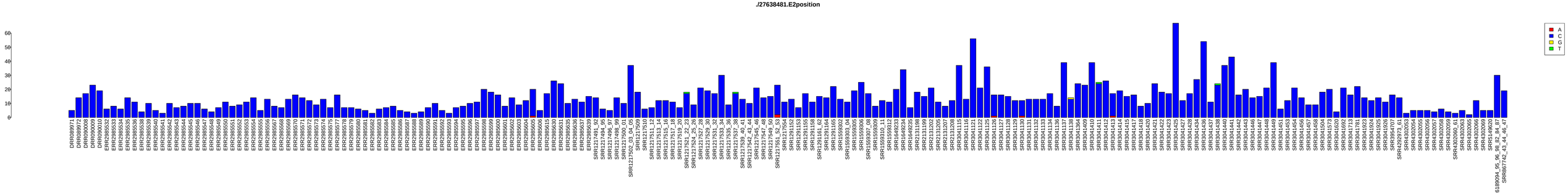
./27638478.E2position

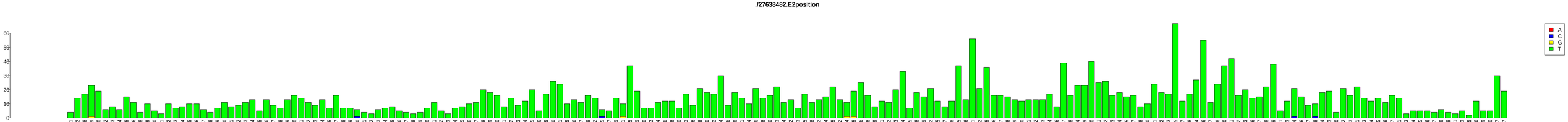


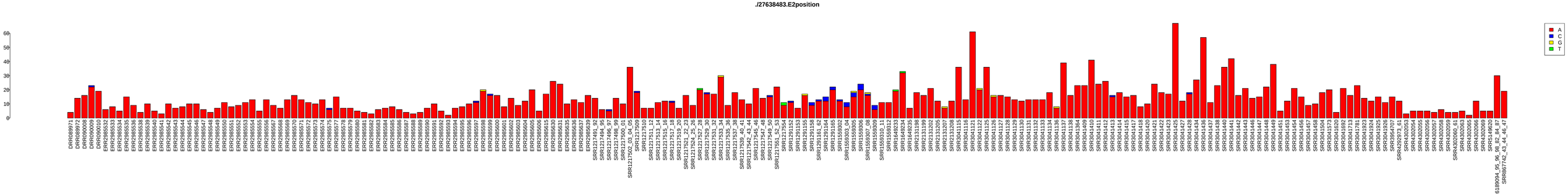
./27638479.E2position

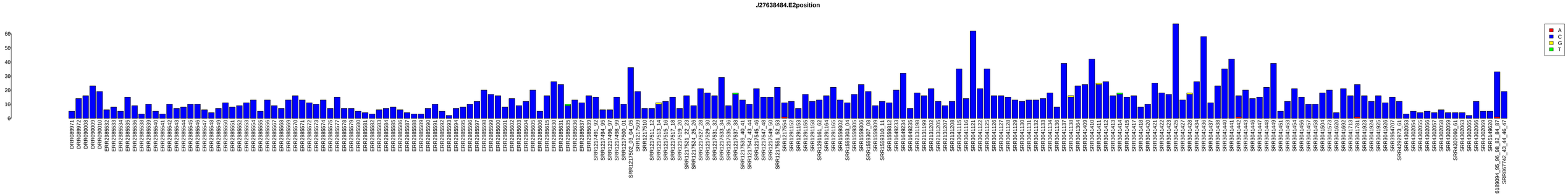



./27638480.E2position
A
C
G
T

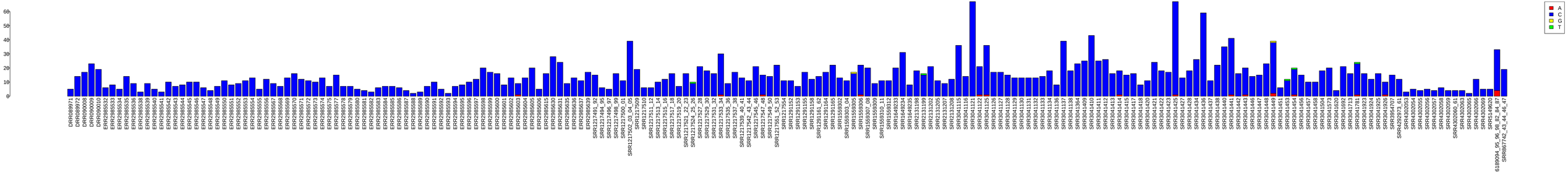

./27638481.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090008
DRR090009
DRR090010
ERR2985523
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217552
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291167
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR2131195
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041435
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041717
SRR3041713
SRR3041781
SRR3041921
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302063
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

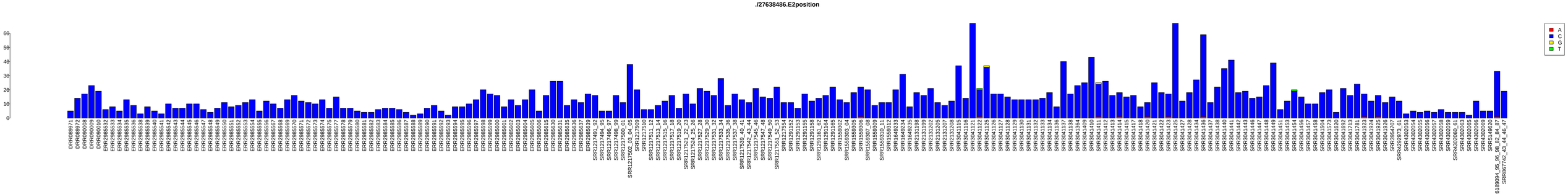

./27638482.E2position
A
C
G
T


./27638483.E2position
A
C
G
T

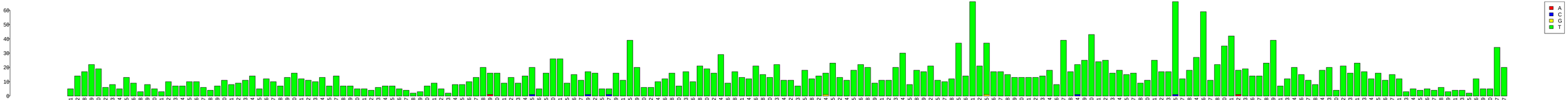

./27638484.E2position
A
C
G
T
0
10
20
30
40
50
60
DRR089971
DRR089972
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217499_00
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR2131195
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041761
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302066
SRR4302068
SRR4302069
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

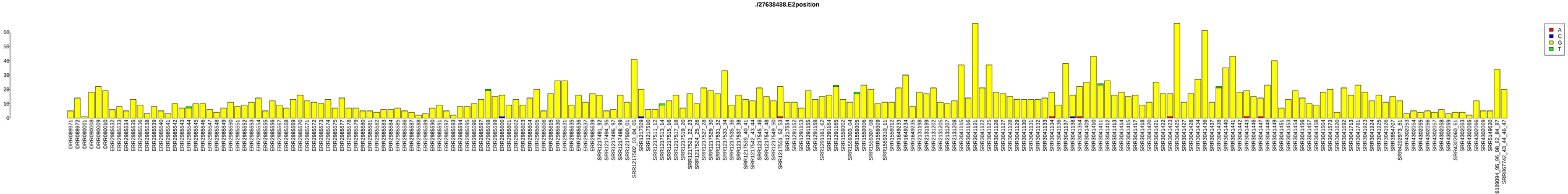
./27638485.E2position

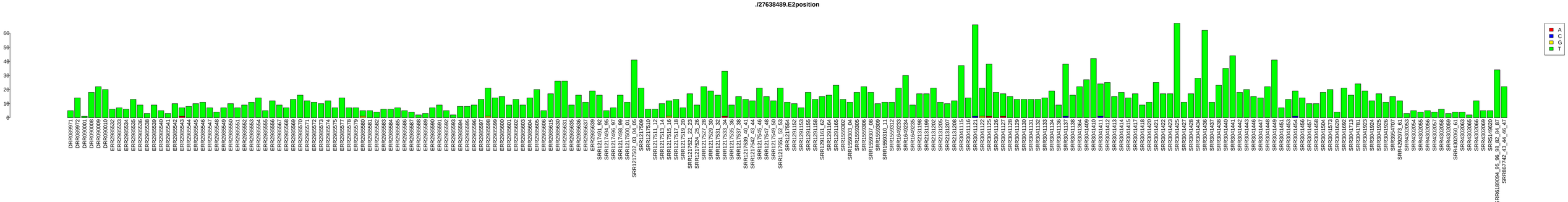



./27638486.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217548_49
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559308
SRR1559309
SRR1559310_11
SRR1559312
SRR1640233
SRR1640234
SRR2131195
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3954707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302062
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

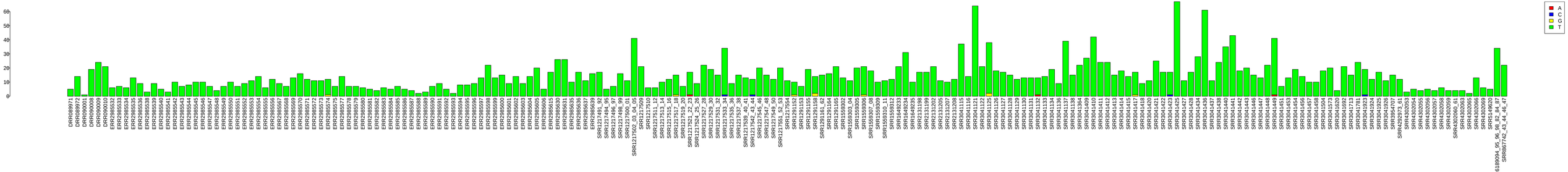
./27638487.E2position

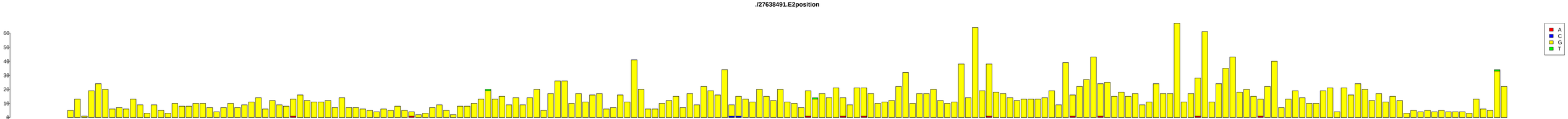


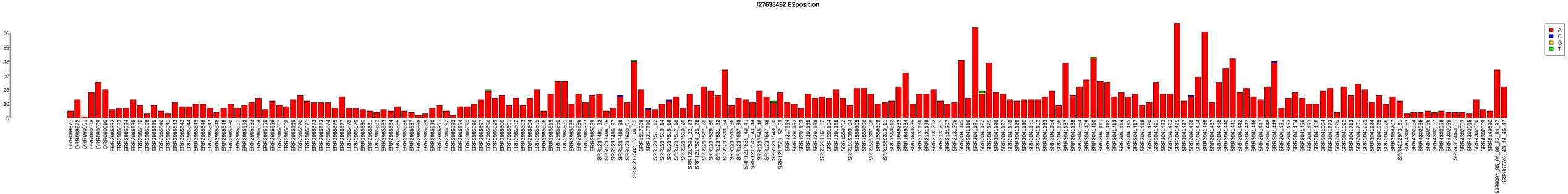

./27638488.E2position
A
C
G
T

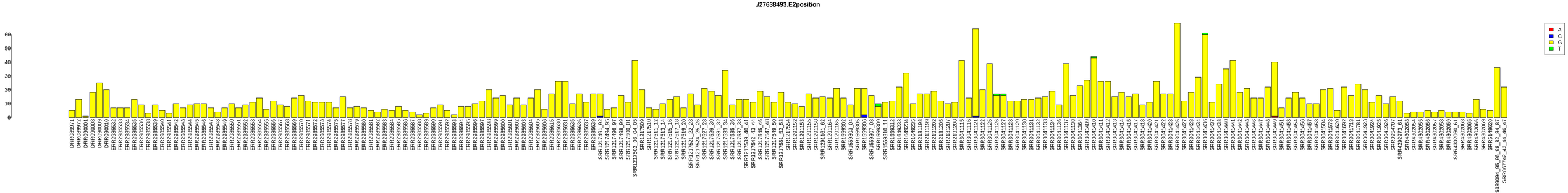

./27638489.E2position
A
C
G
T
0
10
20
30
40
50
60
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985638
ERR2985639
ERR2985637
ERR2985640
SRR1217494_95
SRR1217498_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217544_43_44
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291163
SRR1291161_62
SRR1291164
SRR1291165
SRR1593002
SRR1593004
SRR1593005
SRR1593086
SRR1593089
SRR1593090_08
SRR1593093
SRR1593111
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041139
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302066
SRR4302068
SRR4302069
SRR6189094_95_96_98
SRR6767742_43_44_46_47

./27638490.E2position

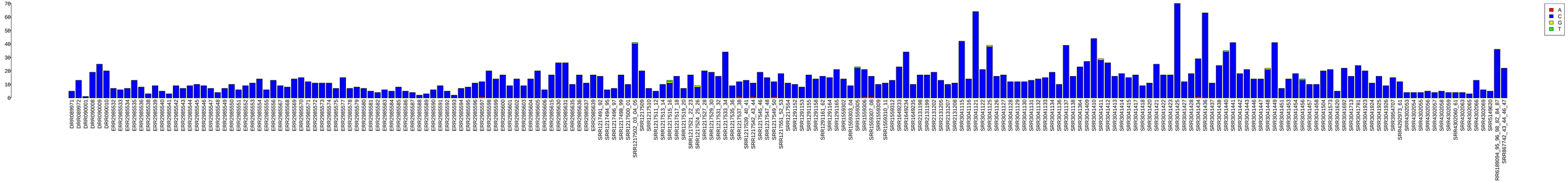



./27638491.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985633
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217500_03_4_95
SRR1217500_03_4_96
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041715
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

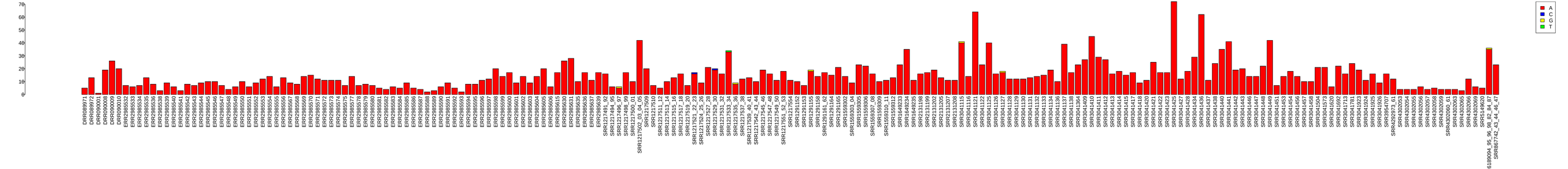

./27638492.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217502_03_7_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1539312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302063
SRR4302065
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

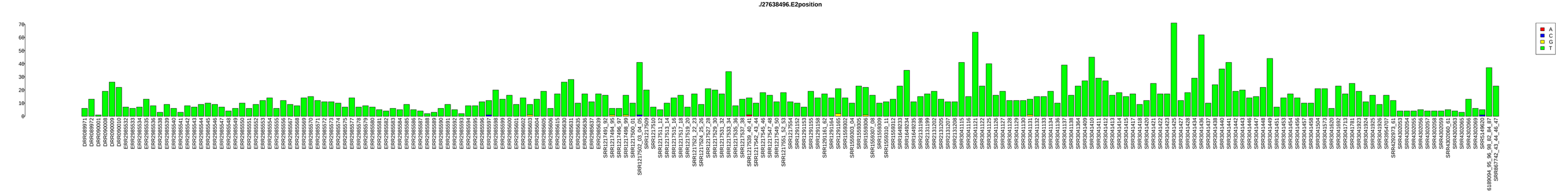

./27638493.E2position
A
C
G
T
0
10
20
30
40
50
60
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_94
SRR1217494_95
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217502_03_7_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539309
SRR1539310
SRR1539312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6189094_95_96_98
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638494.E2position

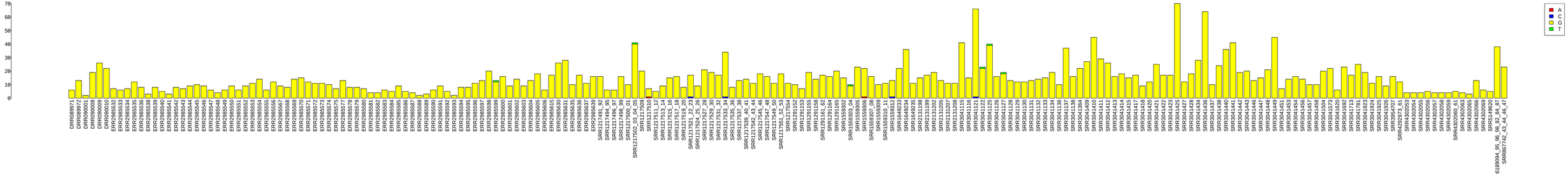


./27638495.E2position

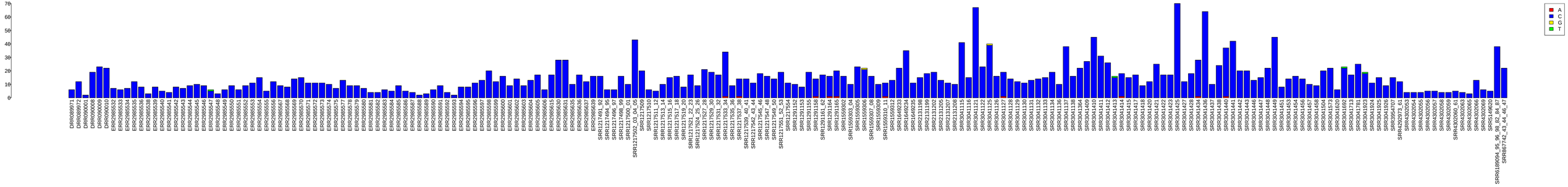


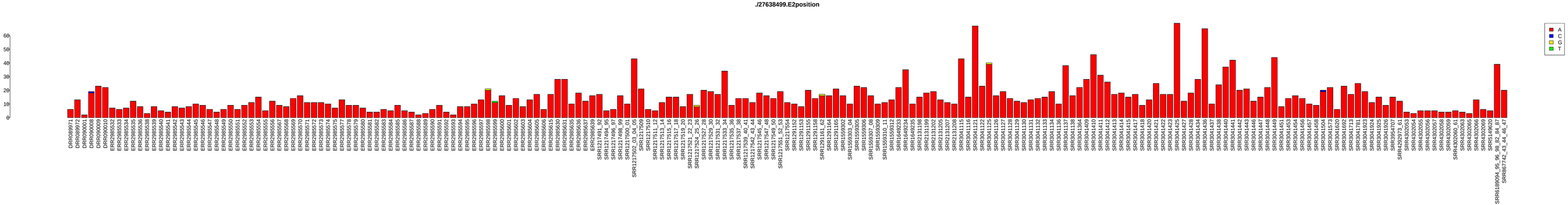

./27638496.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985638
ERR2985639
ERR2985640
ERR2985637
ERR2985636
SRR1217494_95
SRR1217494_97
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_74_75
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_27
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291159
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041139
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6181094_95_96_98_82_84_87
SRR6877742_43_44_46_47

./27638497.E2position

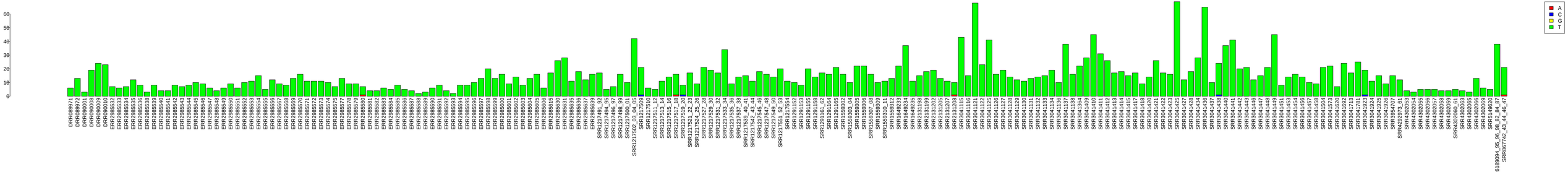


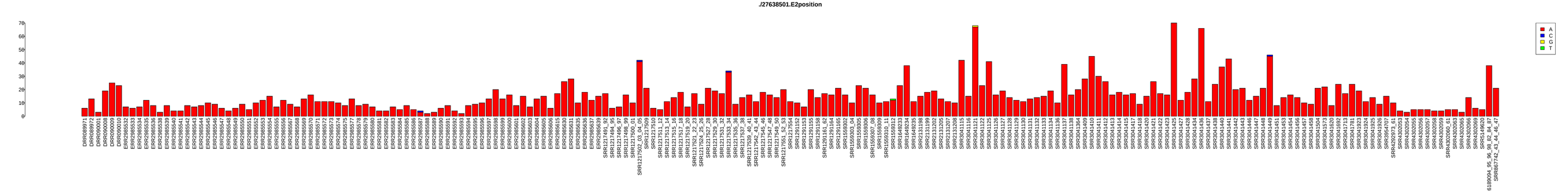
./27638498.E2position

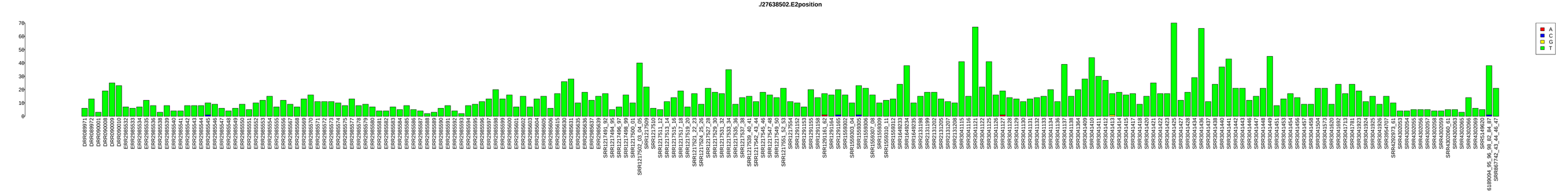


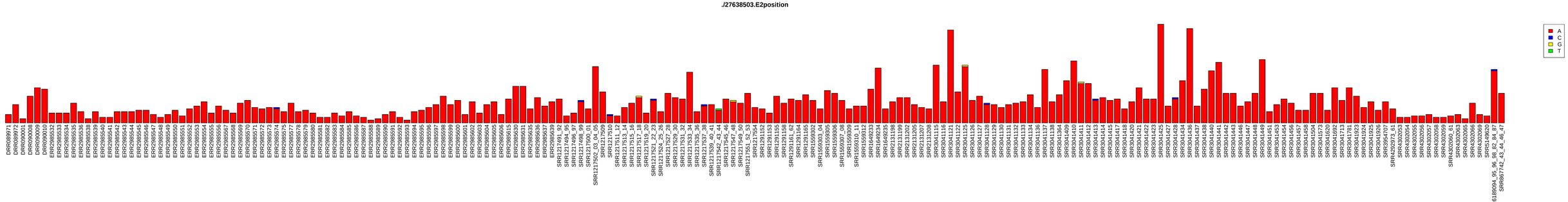

./27638499.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_94
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_1_05
SRR1217505
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

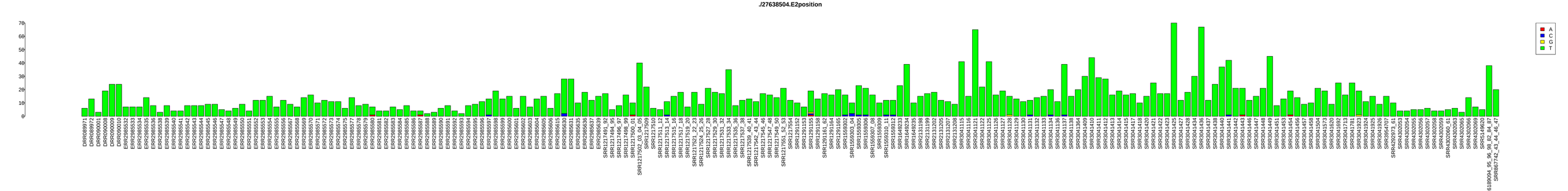
./27638500.E2position

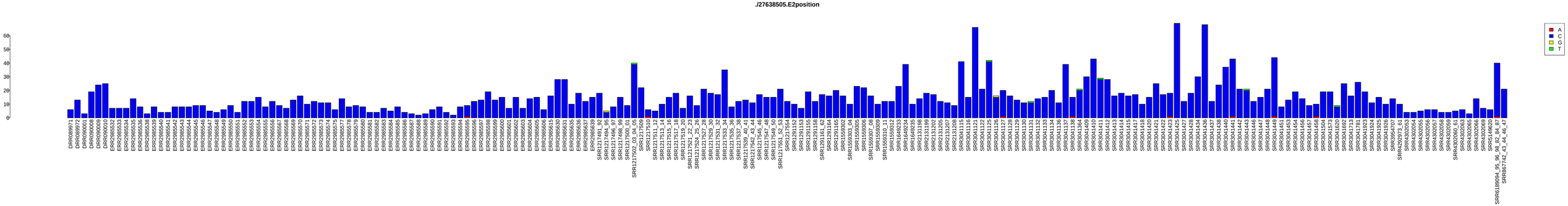



./27638501.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1539312
SRR1648223
SRR1648224
SRR1648235
SRR1648236
SRR2131190
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

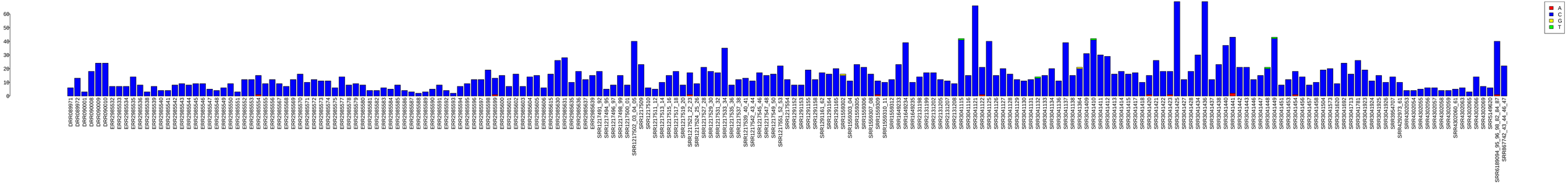

./27638502.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985560
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985638
ERR2985637
ERR2985639
ERR2985640
SRR1217494_95
SRR1217494_97
SRR1217498_96
SRR1217500_01
SRR1217500_03_04_05
SRR1217500_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291159
SRR1291161_62
SRR1291164
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041775
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302068
SRR6180904_95_96_98_82_84_87
SRR6767742_43_44_46_47


./27638503.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041715
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302062
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

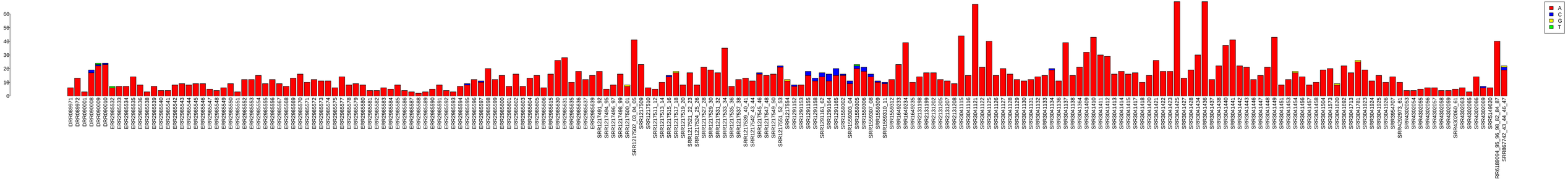

./27638504.E2position
A
C
G
T

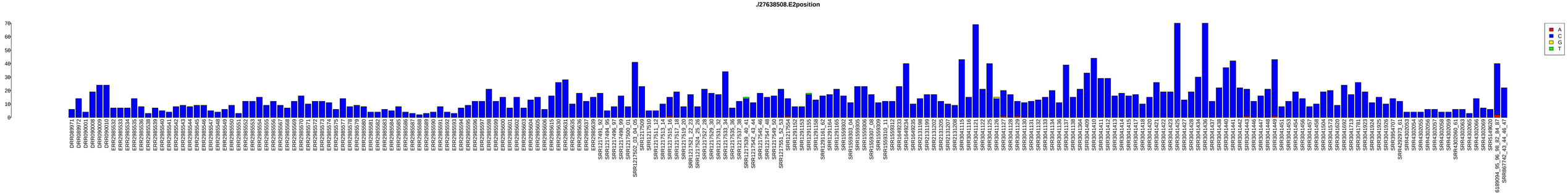

./27638505.E2position
A
C
G
T

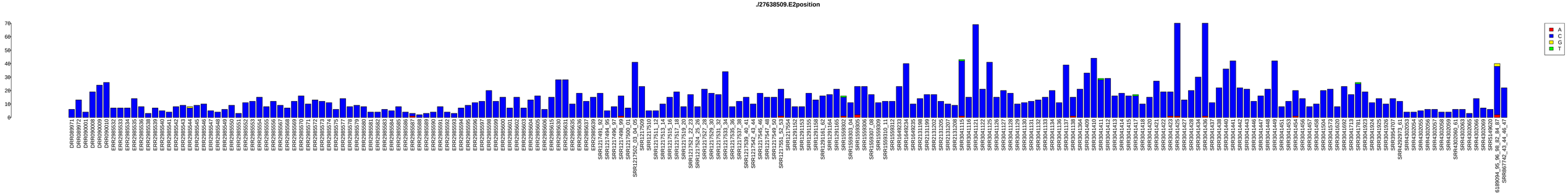
./27638506.E2position

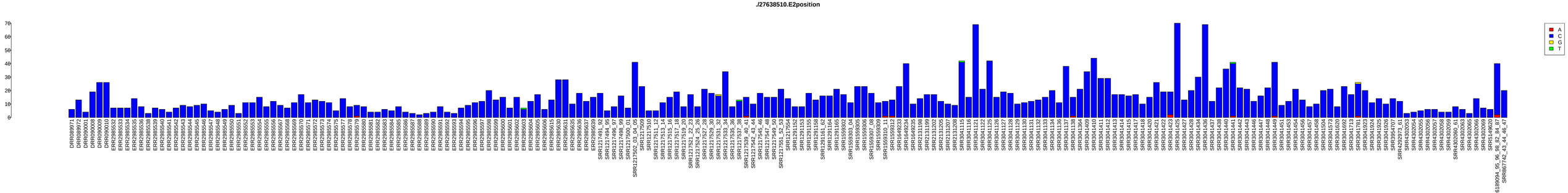


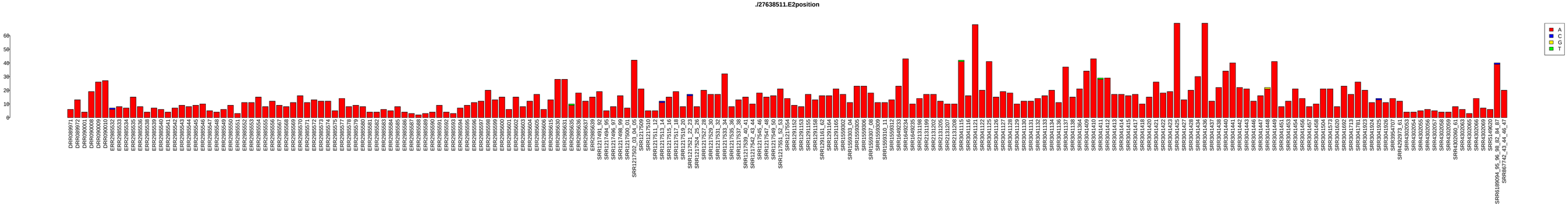
./27638507.E2position

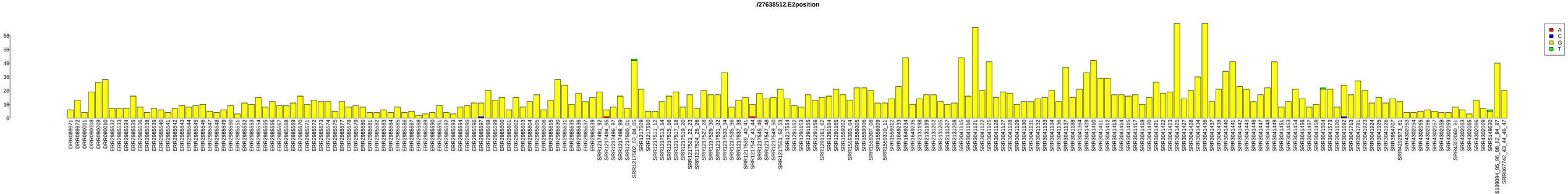


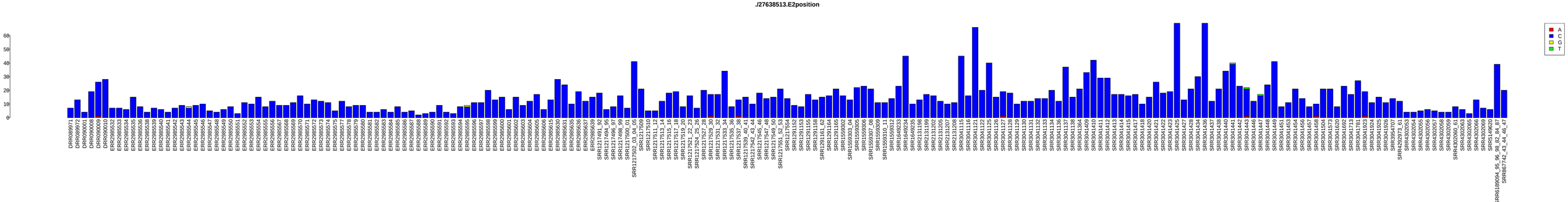

./27638508.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_94
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_4_95
SRR1217505
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291164
SRR1291165
SRR1291166
SRR1291167
SRR1291168
SRR1291169
SRR1291170
SRR1291171
SRR1291172
SRR1291173
SRR1291174
SRR1291175
SRR1291176
SRR1291177
SRR1291178
SRR1291179
SRR1291180
SRR1291181
SRR1291182
SRR1291183
SRR1291184
SRR1291185
SRR1291186
SRR1291187
SRR1291188
SRR1291189
SRR1291190
SRR1291191
SRR1291192
SRR1291193
SRR1291194
SRR1291195
SRR1291196
SRR1291197
SRR1291198
SRR1291199
SRR1291200
SRR1291201
SRR1291202
SRR1291203

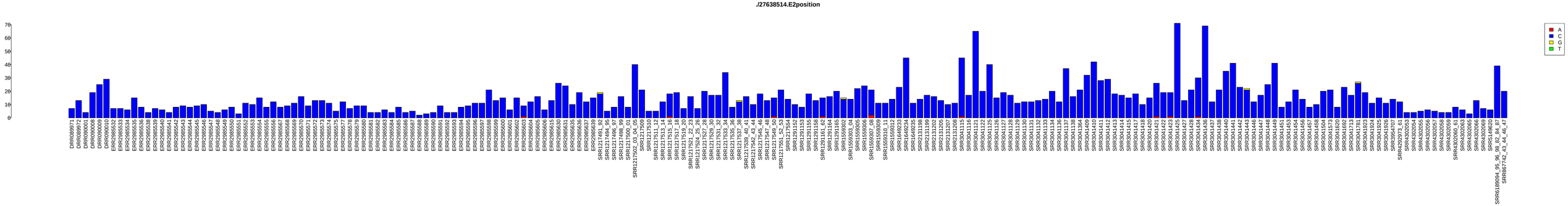

./27638509.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_94
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_4_45
SRR1217505
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291163
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

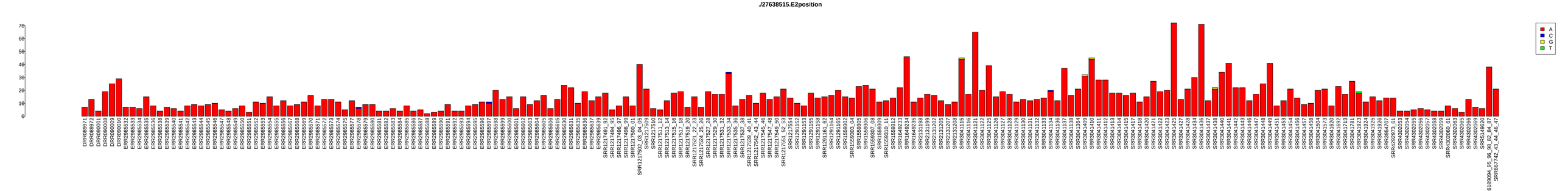

./27638510.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217494_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041715
SRR3041716
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

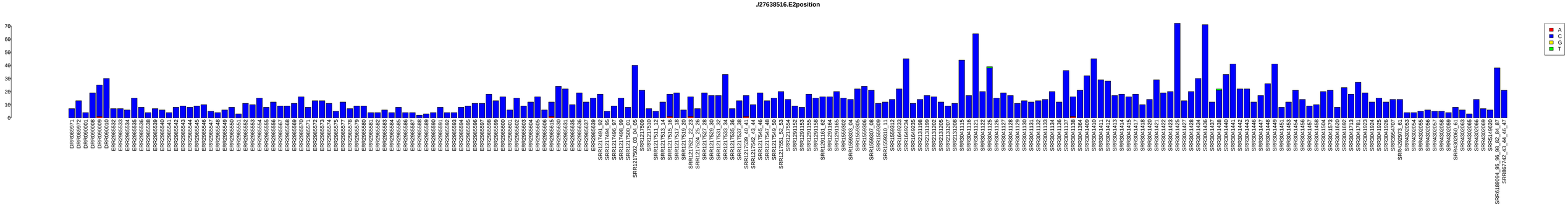

./27638511.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291165
SRR1291164
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539311
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR1649236
SRR1649239
SRR1649240
SRR1649241
SRR1649242
SRR1649243
SRR1649244
SRR1649245
SRR1649246
SRR1649247
SRR1649248
SRR1649249
SRR1649250
SRR1649251
SRR1649252
SRR1649253
SRR1649254
SRR1649255
SRR1649256
SRR1649257
SRR1649258
SRR1649259
SRR1649260
SRR1649261
SRR1649262
SRR1649263
SRR1649264
SRR1649265
SRR1649266
SRR1649267
SRR1649268
SRR1649269
SRR1649270
SRR1649271
SRR1649272
SRR1649273
SRR1649274
SRR1649275
SRR1649276
SRR1649277
SRR1649278
SRR1649279
SRR1649280
SRR1649281
SRR1649282
SRR1649283
SRR1649284
SRR1649285
SRR1649286
SRR1649287
SRR1649288
SRR1649289
SRR1649290
SRR1649291
SRR1649292
SRR1649293
SRR1649294
SRR1649295
SRR1649296
SRR1649297
SRR1649298
SRR1649299
SRR1649300
SRR1649301
SRR1649302
SRR1649303
SRR1649304
SRR1649305
SRR1649306
SRR1649307
SRR1649308
SRR1649309
SRR1649310
SRR1649311
SRR1649312
SRR1649313
SRR1649314
SRR1649315
SRR1649316
SRR1649317
SRR1649318
SRR1649319
SRR1649320
SRR1649321
SRR1649322
SRR1649323
SRR1649324
SRR1649325
SRR1649326
SRR1649327
SRR1649328
SRR1649329
SRR1649330
SRR1649331
SRR1649332
SRR1649333
SRR1649334
SRR1649335
SRR1649336
SRR1649337
SRR1649338
SRR1649339
SRR1649340
SRR1649341
SRR1649342
SRR1649343
SRR1649344
SRR1649345
SRR1649346
SRR1649347
SRR1649348
SRR1649349
SRR1649350
SRR1649351
SRR1649352
SRR1649353
SRR1649354
SRR1649355
SRR1649356
SRR1649357
SRR1649358
SRR1649359
SRR1649360
SRR1649361
SRR1649362
SRR1649363
SRR1649364
SRR1649365
SRR1649366
SRR1649367
SRR1649368
SRR1649369
SRR1649370
SRR1649371
SRR1649372
SRR1649373
SRR1649374
SRR1649375
SRR1649376
SRR1649377
SRR1649378
SRR1649379
SRR1649380
SRR1649381
SRR1649382
SRR1649383
SRR1649384
SRR1649385
SRR1649386
SRR1649387
SRR1649388
SRR1649389
SRR1649390
SRR1649391
SRR1649392
SRR1649393
SRR1649394
SRR1649395
SRR1649396
SRR1649397
SRR1649398
SRR1649399
SRR1649400
SRR1649401
SRR1649402
SRR1649403
SRR1649404
SRR1649405
SRR1649406
SRR1649407
SRR1649408
SRR1649409
SRR1649410
SRR1649411
SRR1649412
SRR1649413
SRR1649414
SRR1649415
SRR1649416
SRR1649417
SRR1649418
SRR1649419
SRR1649420
SRR1649421
SRR1649422
SRR1649423
SRR1649424
SRR1649425
SRR1649426
SRR1649427
SRR1649428
SRR1649434
SRR1649435
SRR1649436
SRR1649437
SRR1649438
SRR1649439
SRR1649440
SRR1649441
SRR1649442
SRR1649443
SRR1649446
SRR1649447
SRR1649448
SRR1649449
SRR1649450
SRR1649451
SRR1649453
SRR1649454
SRR1649456
SRR1649457
SRR1649458
SRR1649459
SRR1649460
SRR1649461
SRR1649462
SRR1649463
SRR1649464
SRR1649465
SRR1649466
SRR1649467
SRR1649468
SRR1649469
SRR1649470
SRR1649471
SRR1649472
SRR1649473
SRR1649474
SRR1649475
SRR1649476
SRR1649477
SRR1649478
SRR1649479
SRR1649480
SRR1649481
SRR1649482
SRR1649483
SRR1649484
SRR1649485
SRR1649486
SRR1649487
SRR1649488
SRR1649489
SRR1649490
SRR1649491
SRR1649492
SRR1649493
SRR1649494
SRR1649495
SRR1649496
SRR1649497
SRR1649498
SRR1649499
SRR1649500
SRR1649501
SRR1649502
SRR1649503
SRR1649504
SRR1649505
SRR1649506
SRR1649507
SRR1649508
SRR1649509
SRR1649510
SRR1649511
SRR1649512
SRR1649513
SRR1649514
SRR1649515
SRR1649516
SRR1649517
SRR1649518
SRR1649519
SRR1649520
SRR1649521
SRR1649522
SRR1649523
SRR1649524
SRR1649525
SRR1649526
SRR1649527
SRR1649528
SRR1649529
SRR1649530
SRR1649531
SRR1649532
SRR1649533
SRR1649534
SRR1649535
SRR1649536
SRR1649537
SRR1649538
SRR1649539
SRR1649540
SRR1649541
SRR1649542
SRR1649543
SRR1649544
SRR1649545
SRR1649546
SRR1649547
SRR1649548
SRR1649549
SRR1649550
SRR1649551
SRR1649552
SRR1649553
SRR1649554
SRR1649555
SRR1649556
SRR1649557
SRR1649558
SRR1649559
SRR1649560
SRR1649561
SRR1649562
SRR1649563
SRR1649564
SRR1649565
SRR1649566
SRR1649567
SRR1649568
SRR1649569
SRR1649570
SRR1649571
SRR1649572
SRR1649573
SRR1649574
SRR1649575
SRR1649576
SRR1649577
SRR1649578
SRR1649579
SRR1649580
SRR1649581
SRR1649582
SRR1649583
SRR1649584
SRR1649585
SRR1649586
SRR1649587
SRR1649588
SRR1649589
SRR1649590
SRR1649591
SRR1649592
SRR1649593
SRR1649594
SRR1649595
SRR1649596
SRR1649597
SRR1649598
SRR1649599
SRR1649600
SRR1649601
SRR1649602
SRR1649603
SRR1649604
SRR1649605
SRR1649606
SRR1649607
SRR1649608
SRR1649609
SRR1649610
SRR1649611
SRR1649612
SRR1649613
SRR1649614
SRR1649615
SRR1649616
SRR1649617
SRR1649618
SRR1649619
SRR1649620
SRR1649621
SRR1649622
SRR1649623
SRR1649624
SRR1649625
SRR1649626
SRR1649627
SRR1649628
SRR1649629
SRR1649630
SRR1649631
SRR1649632
SRR1649633
SRR1649634
SRR1649635
SRR1649636
SRR1649637
SRR1649638
SRR1649639
SRR1649640
SRR1649641
SRR1649642
SRR1649643
SRR1649644
SRR1649645
SRR1649646
SRR1649647
SRR1649648
SRR1649649
SRR1649650
SRR1649651
SRR1649652
SRR1649653
SRR1649654
SRR1649655
SRR1649656
SRR1649657
SRR1649658
SRR1649659
SRR1649660
SRR1649661
SRR1649662
SRR1649663
SRR1649664
SRR1649665
SRR1649666
SRR1649667
SRR1649668
SRR1649669
SRR1649670
SRR1649671
SRR1649672
SRR1649673
SRR1649674
SRR1649675
SRR1649676
SRR1649677
SRR1649678
SRR1649679
SRR1649680
SRR1649681
SRR1649682
SRR1649683
SRR1649684
SRR1649685
SRR1649686
SRR1649687
SRR1649688
SRR1649689
SRR1649690
SRR1649691
SRR1649692
SRR1649693
SRR1649694
SRR1649695
SRR1649696
SRR1649697
SRR1649698
SRR1649699
SRR1649700
SRR1649701
SRR1649702
SRR1649703
SRR1649704
SRR1649705
SRR1649706
SRR1649707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

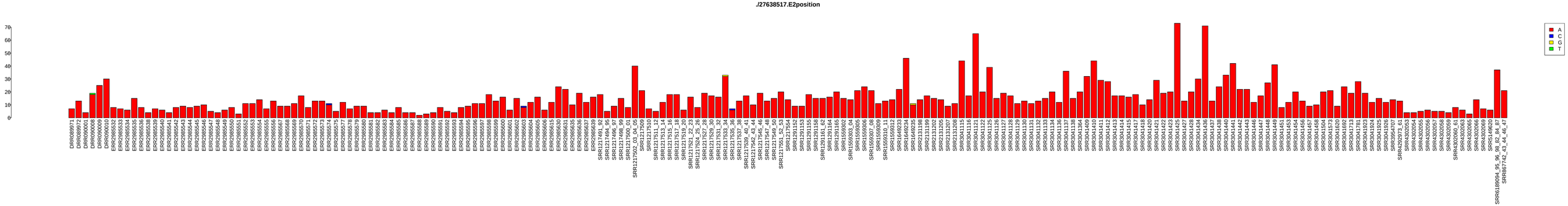

./27638512.E2position
A
C
G
T

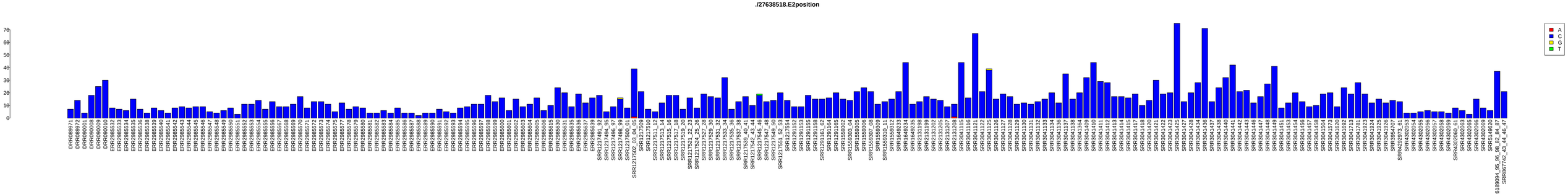

./27638513.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1648223
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6180904_95
SRR6180904_96
SRR6_82_84_87
SRR6877 42_43_44_46_47

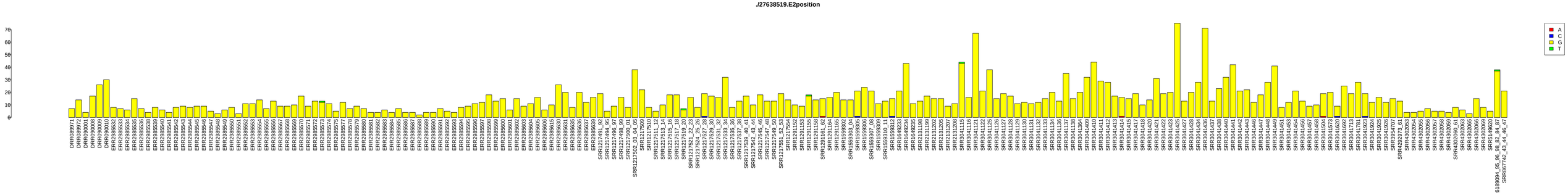

./27638514.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_4
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291162
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

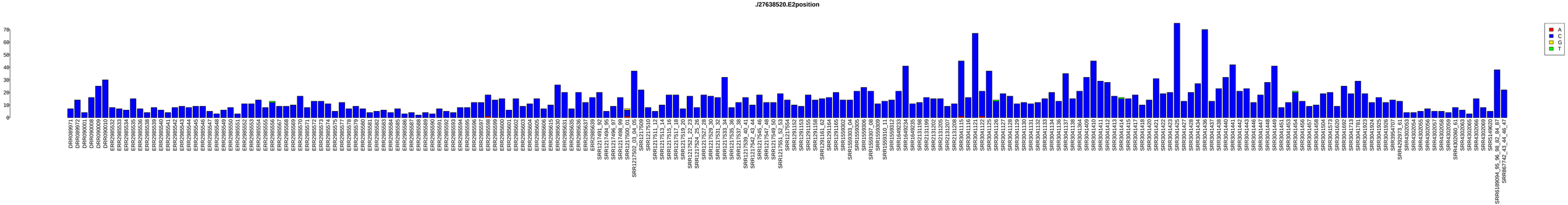

./27638515.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985565
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_94
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_05
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649233
SRR1649234
SRR1649235
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041715
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181094
SRR6181094_95_96_98_82_84_87
SRR6877742_43_44_46_47

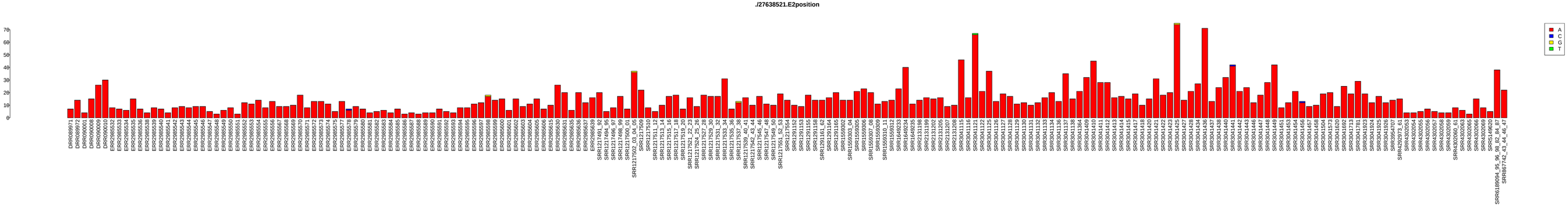

./27638516.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985561
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985632
ERR2985634
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_57
SRR1217498_59
SRR1217500_01
SRR1217502_23_24_25
SRR1217505
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1593002
SRR1593004
SRR1593005
SRR1593006
SRR1593009
SRR1593010
SRR1593011
SRR1593012
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47


./27638517.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985632
ERR2985633
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217502_03_7406
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649223
SRR1649234
SRR1649235
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041715
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR6181094
SRR6181094_95_96_98
SRR6181094_82_84_87
SRR6877742_43_44_46_47

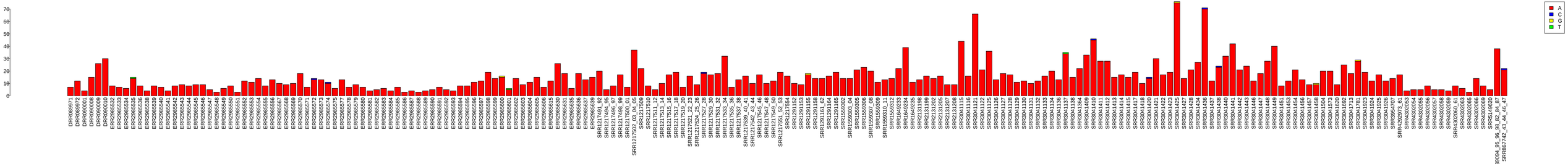

./27638518.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7_45
SRR1217502_03_7_75
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217553_54
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1293002
SRR1293014
SRR1293035
SRR1293096
SRR1293097_08
SRR1293099
SRR1293101
SRR1293111
SRR1293112
SRR1293113
SRR1293114
SRR1293115
SRR1293116
SRR1293117
SRR1293118
SRR1293119
SRR1293120
SRR1293121
SRR1293122
SRR1293123
SRR1293124
SRR1293125
SRR1293126
SRR1293127
SRR1293128
SRR1293129
SRR1293130
SRR1293131
SRR1293132
SRR1293133
SRR1293134
SRR1293136
SRR1293137
SRR1293138
SRR1293364
SRR1293409
SRR1293410
SRR1293411
SRR1293412
SRR1293413
SRR1293414
SRR1293415
SRR1293417
SRR1293418
SRR1293420
SRR1293421
SRR1293422
SRR1293423
SRR1293424
SRR1293425
SRR1293426
SRR1293427
SRR1293428
SRR1293434
SRR1293435
SRR1293437
SRR1293438
SRR1293440
SRR1293441
SRR1293442
SRR1293443
SRR1293446
SRR1293447
SRR1293448
SRR1293449
SRR1293451
SRR1293453
SRR1293454
SRR1293456
SRR1293457
SRR1293458
SRR1293459
SRR1293504
SRR1293573
SRR1293620
SRR1293712
SRR1293713
SRR1293781
SRR1293923
SRR1293924
SRR1293925
SRR1293926
SRR1294707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302061
SRR4302062
SRR4302063
SRR4302065
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638519.E2position
A
C
G
T

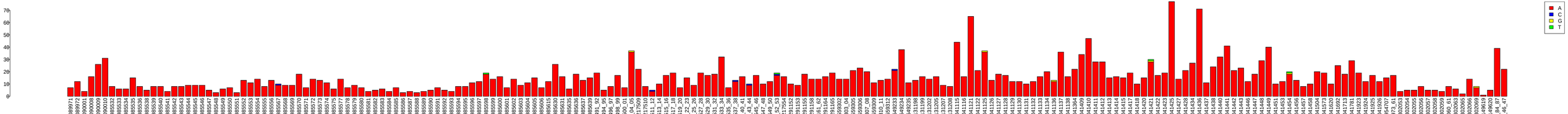

./27638520.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985639
SRR1217494_94
SRR1217494_95
SRR1217495_01
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217506
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1649223
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041364
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041424
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060
SRR4302063
SRR4302065
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638521.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985632
ERR2985633
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291165
SRR1291164
SRR1291165
SRR1539302
SRR1539303
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1649223
SRR1649234
SRR1649235
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041438
SRR3041437
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041504
SRR3041573
SRR3041620
SRR3041712
SRR3041713
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3054707
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302061
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR4302070
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

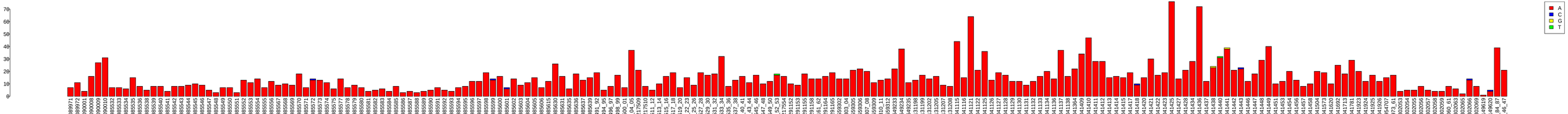
./27638522.E2position

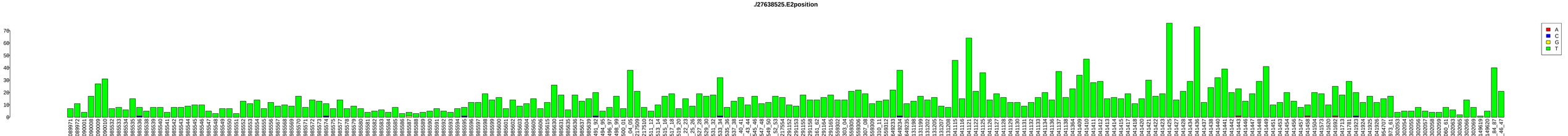


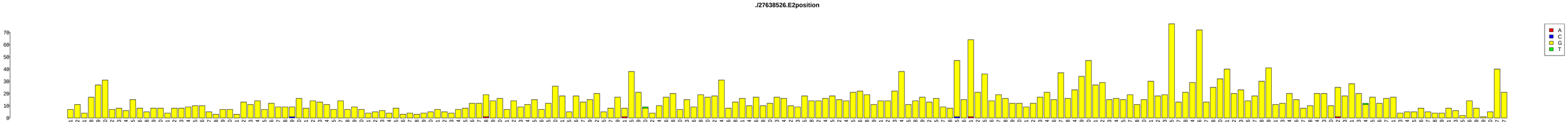
./27638523.E2position

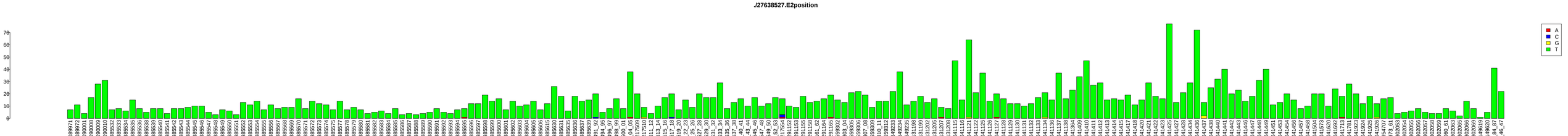


./27638524.E2position

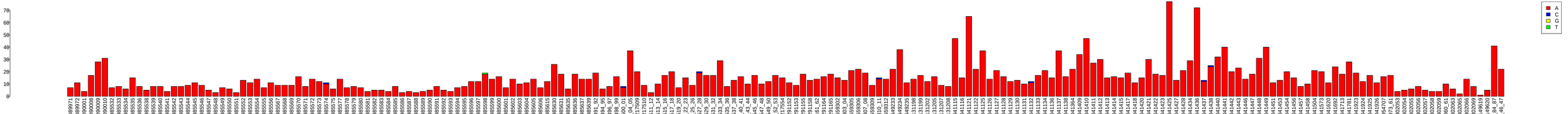


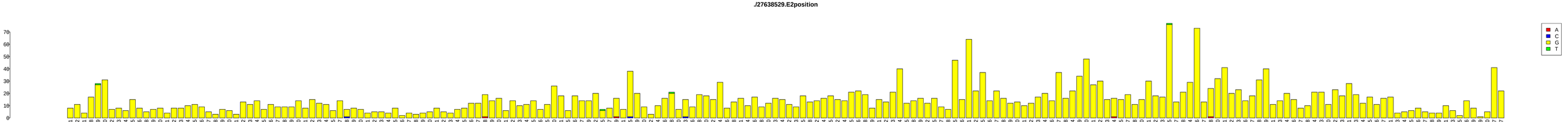

./27638525.E2position
A
C
G
T

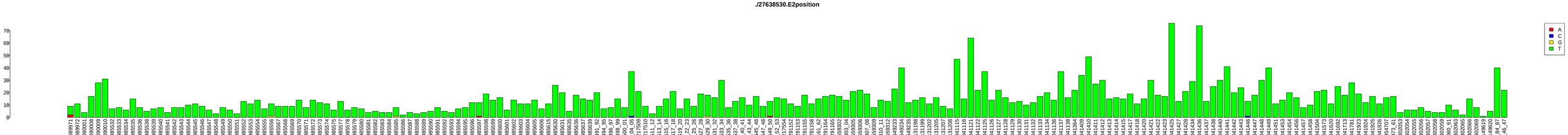

./27638526.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47


./27638527.E2position
A
C
G
T

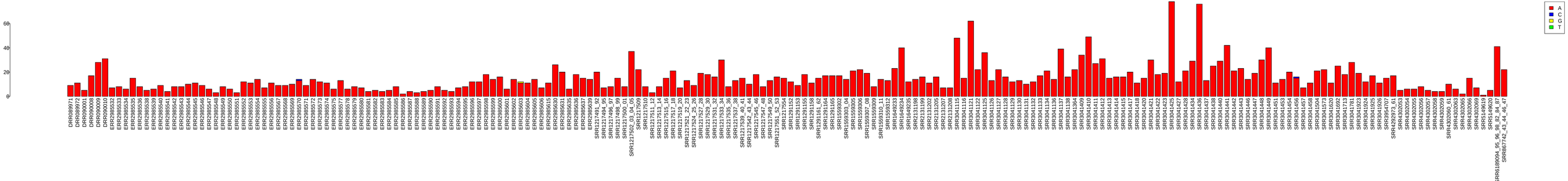
./27638528.E2position



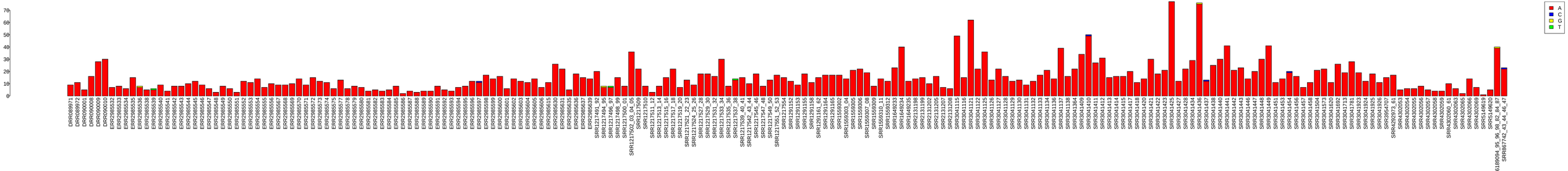

./27638529.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217501_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

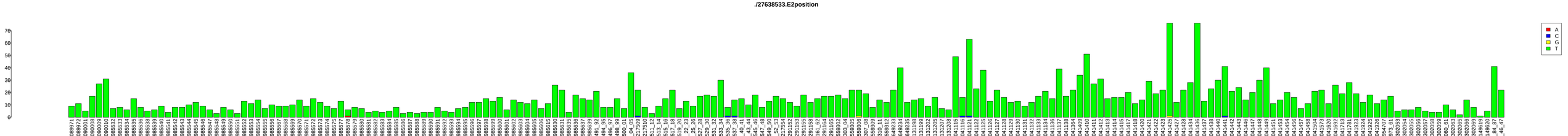

./27638530.E2position
A
C
G
T

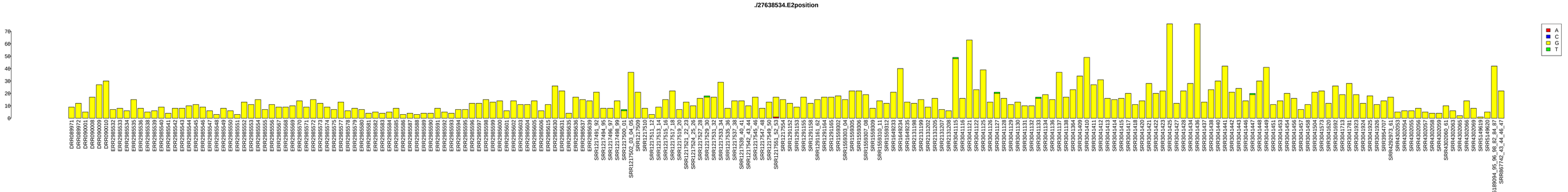
./27638531.E2position

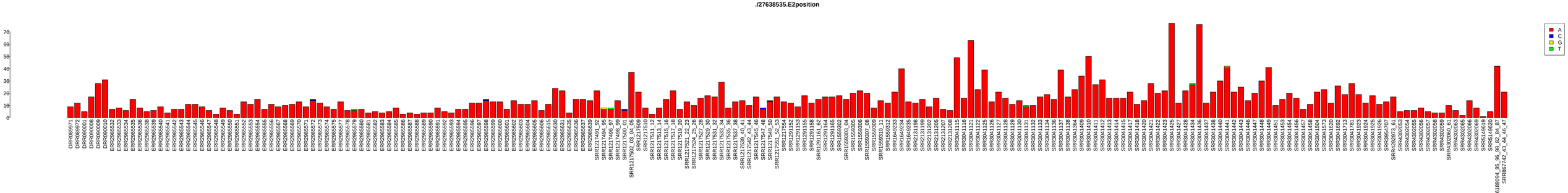


./27638532.E2position

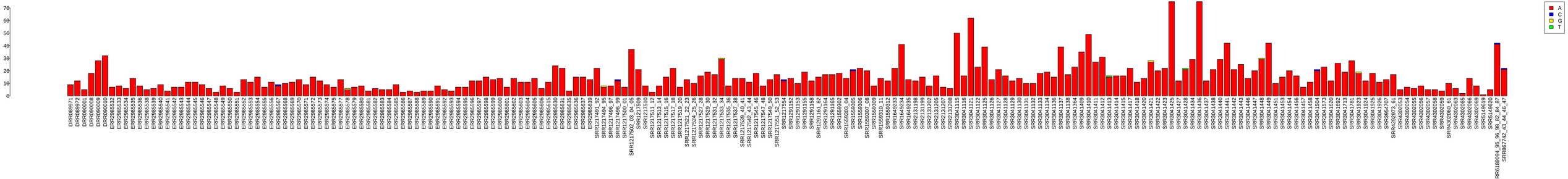



./27638533.E2position
0
10
20
30
40
50
60
70
A
C
G
T

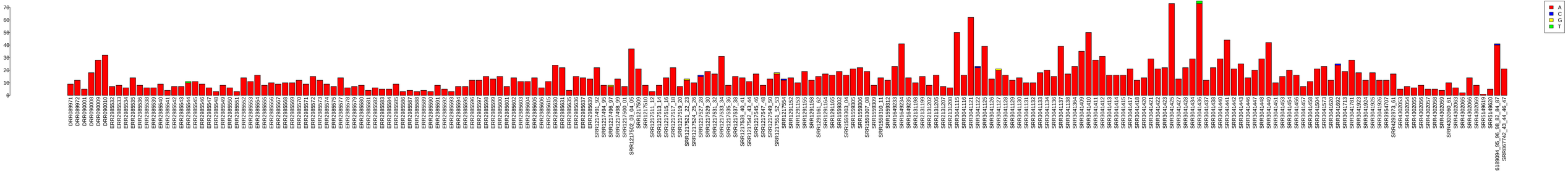

./27638534.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217523_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977_78
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302063
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

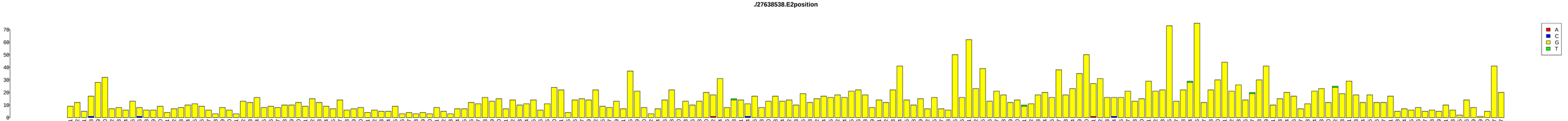

./27638535.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR12172491_92
SRR12172494_95
SRR12172496_99
SRR12172500_01
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25_26
SRR12172527_28
SRR12172529_30
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172552
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172302
SRR15593303_04
SRR15593305
SRR15593306
SRR15593307_08
SRR15593309
SRR15593310_11
SRR15593312
SRR15593314
SRR15593315
SRR15593316
SRR15593317
SRR15593318
SRR15593319
SRR15593320
SRR15593321
SRR15593322
SRR15593323
SRR15593324
SRR15593325
SRR15593326
SRR15593327
SRR15593328
SRR15593329
SRR15593330
SRR15593331
SRR15593332
SRR15593333
SRR15593334
SRR15593336
SRR15593337
SRR15593338
SRR15593339
SRR15593340
SRR15593341
SRR15593342
SRR15593343
SRR15593344
SRR15593345
SRR15593346
SRR15593347
SRR15593348
SRR15593349
SRR15593350
SRR15593351
SRR15593352
SRR15593353
SRR15593354
SRR15593355
SRR15593356
SRR15593357
SRR15593358
SRR15593359
SRR15593360
SRR15593361
SRR15593362
SRR15593363
SRR15593364
SRR15593365
SRR15593366
SRR15593367
SRR15593368
SRR15593369
SRR15593370
SRR15593371
SRR15593372
SRR15593373
SRR15593374
SRR15593375

./27638536.E2position

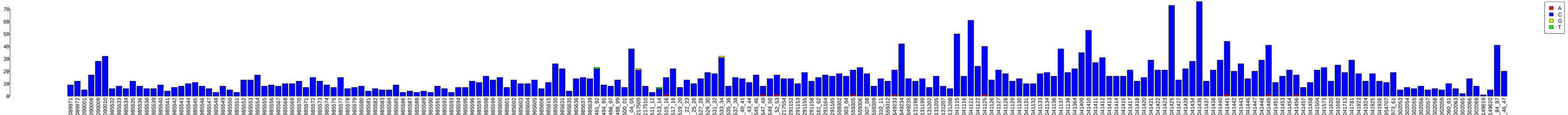


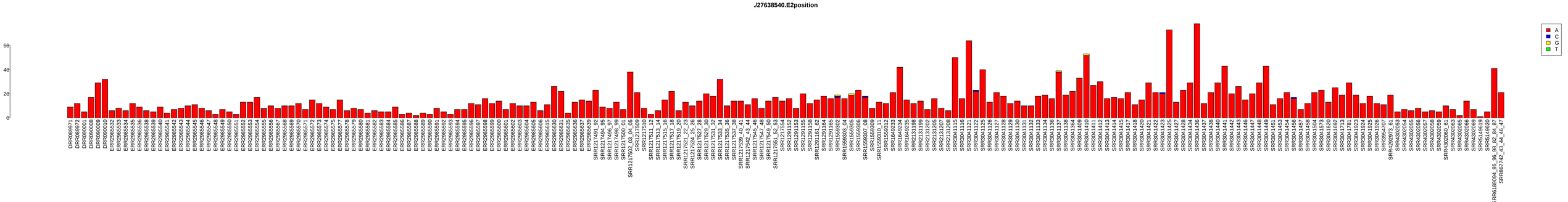
./27638537.E2position



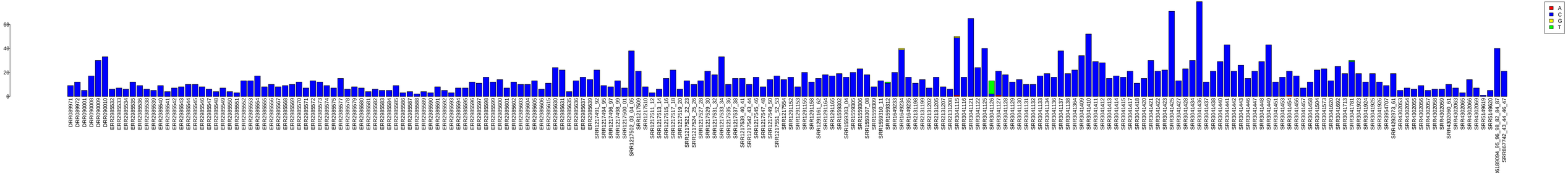

./27638538.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217523_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1219153
SRR1219155
SRR1219158
SRR1219161_62
SRR1219164
SRR1219165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_10
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

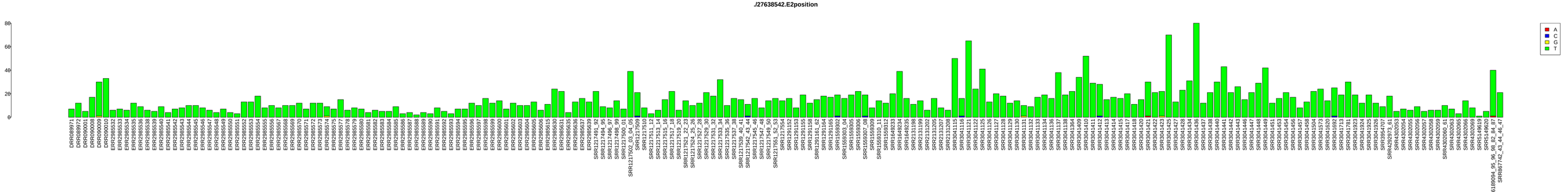
./27638539.E2position



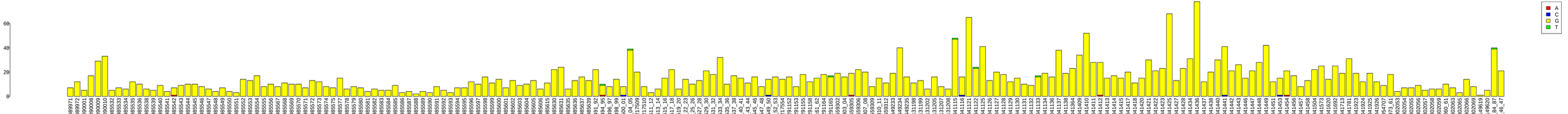

./27638540.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217500_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

./27638541.E2position

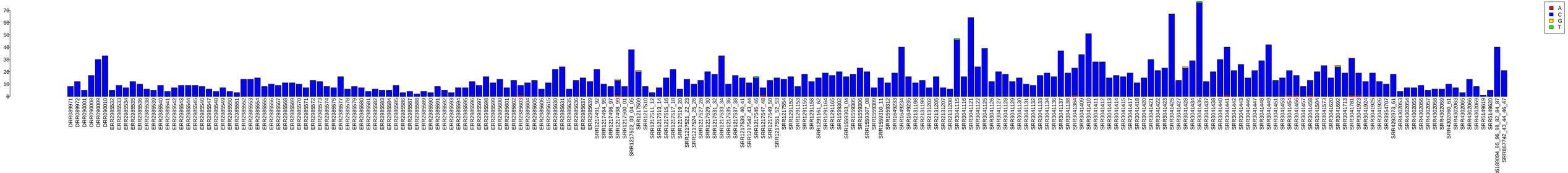



./27638542.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172491_92
SRR12172494_95
SRR12172496_99
SRR12172500_03
SRR12172502_03_04_05
SRR12172509
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203
SRR12172204
SRR12172205
SRR12172206
SRR12172207
SRR12172208
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133200
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041140
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

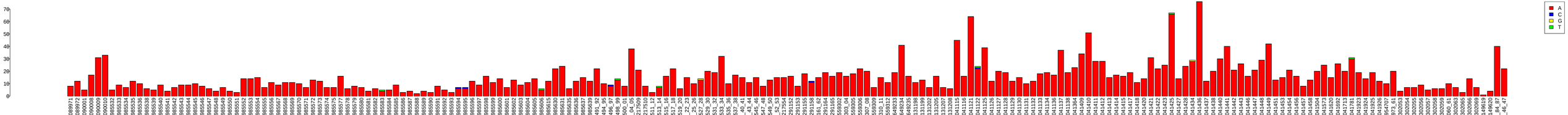
./27638543.E2position

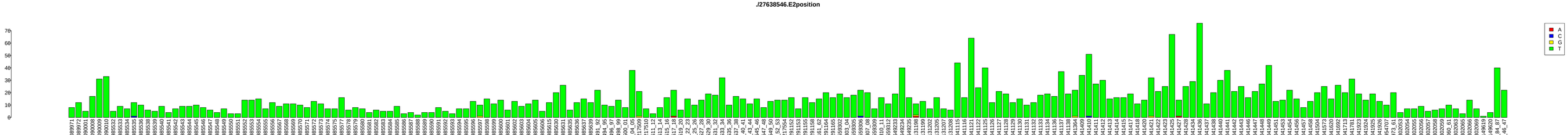


./27638544.E2position

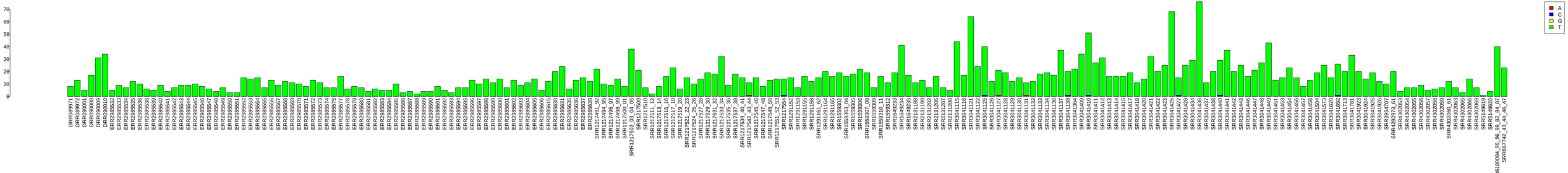


./27638545.E2position

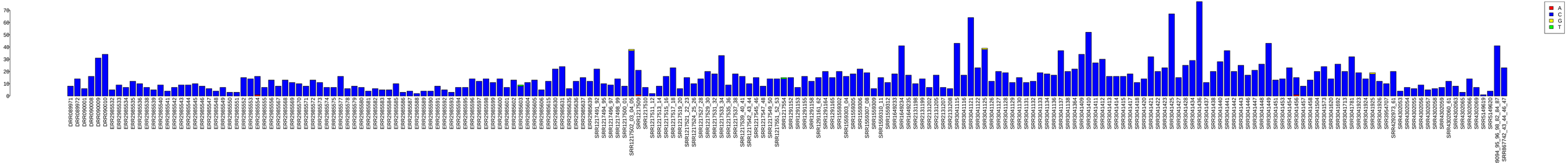


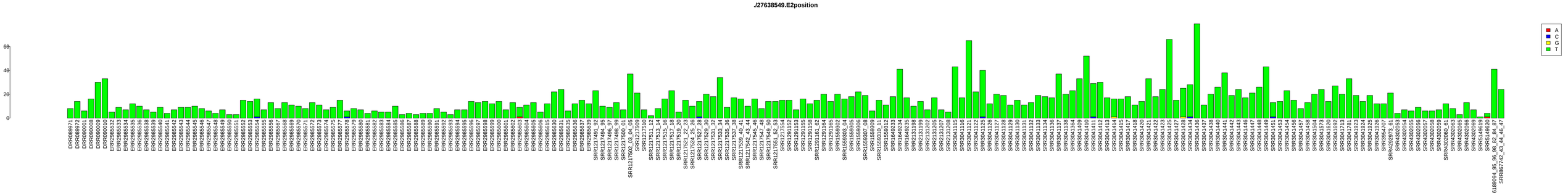

./27638546.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090032
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172492_92
SRR12172494_95
SRR12172496_99
SRR12172500_03
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172166
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203
SRR12172204
SRR12172205
SRR12172206
SRR12172207
SRR12172208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

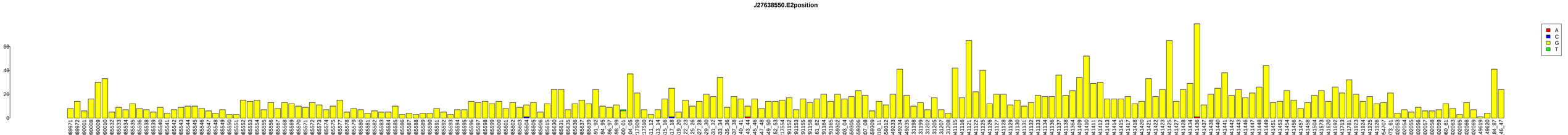
./27638547.E2position



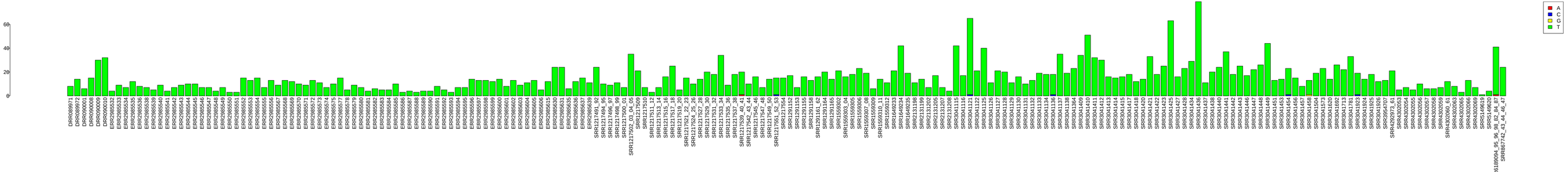
./27638548.E2position



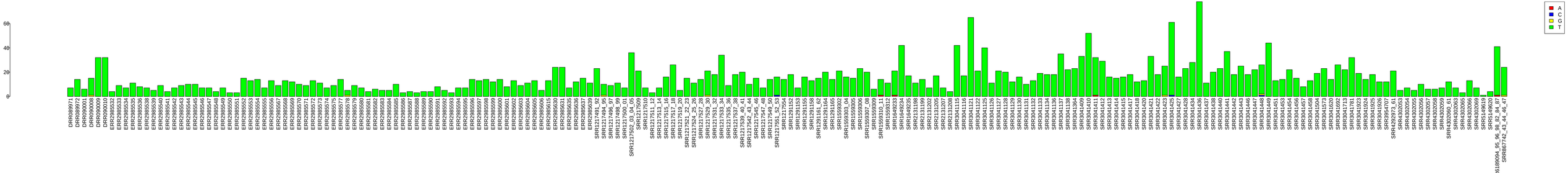

./27638549.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090032
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_99
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649224
SRR1649225
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638550.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172492_92
SRR12172494_95
SRR12172496_99
SRR12172500_00
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

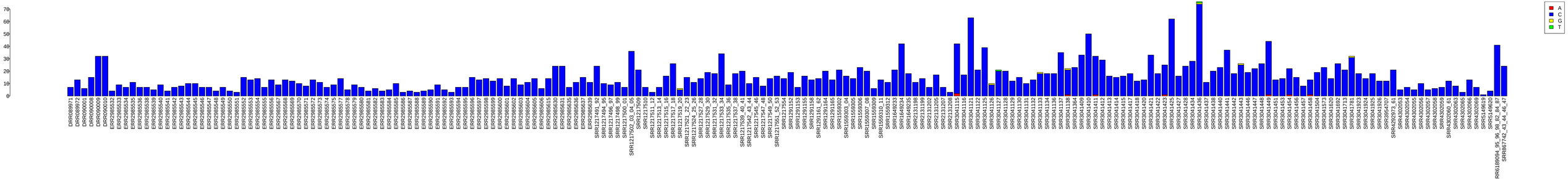
./27638551.E2position

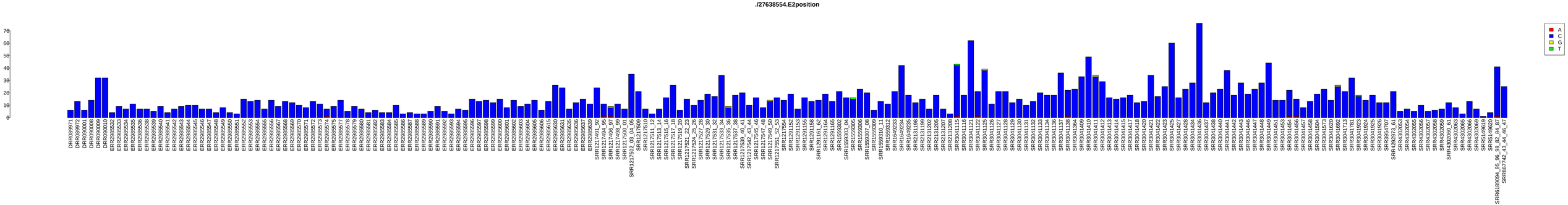


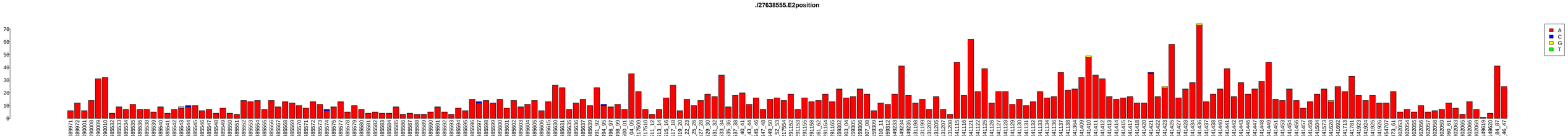
./27638552.E2position

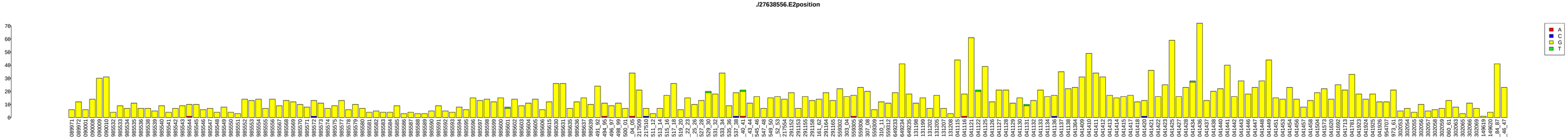


./27638553.E2position

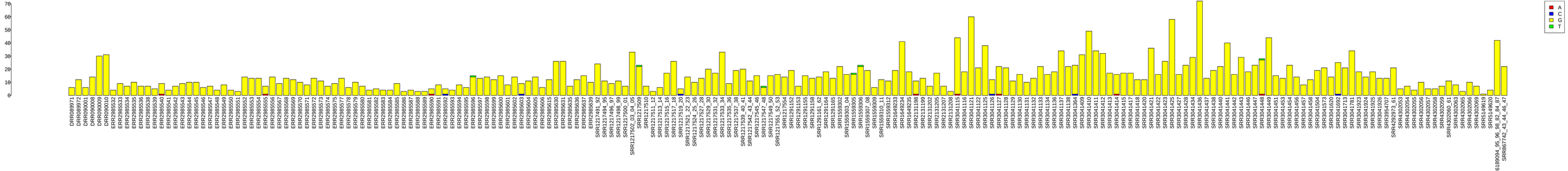


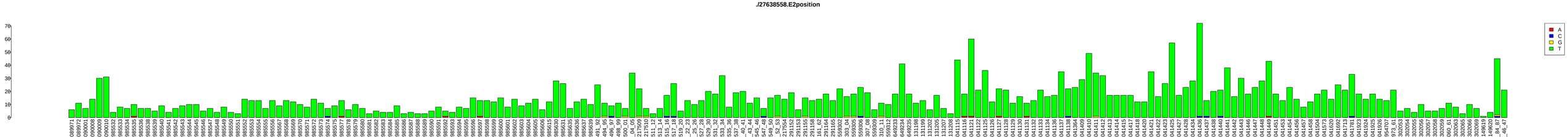

./27638554.E2position
A
C
G
T

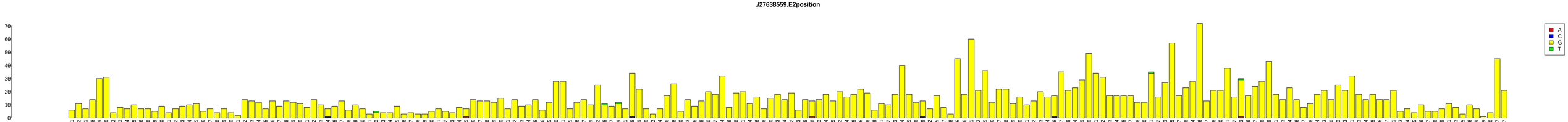

./27638555.E2position
70
60
50
40
30
20
10
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041572
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47
A
C
G
T


./27638556.E2position
A
C
G
T

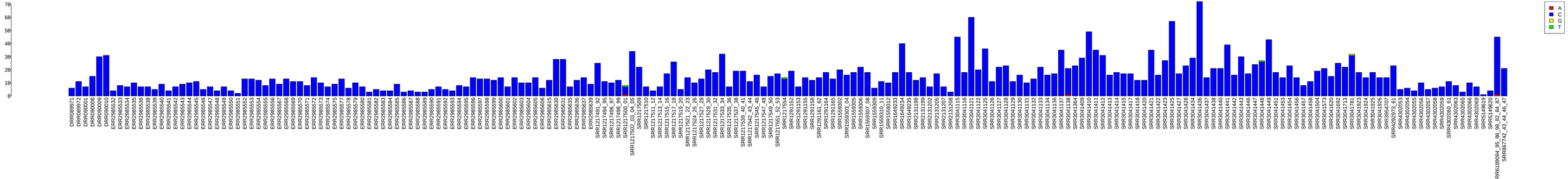
./27638557.E2position

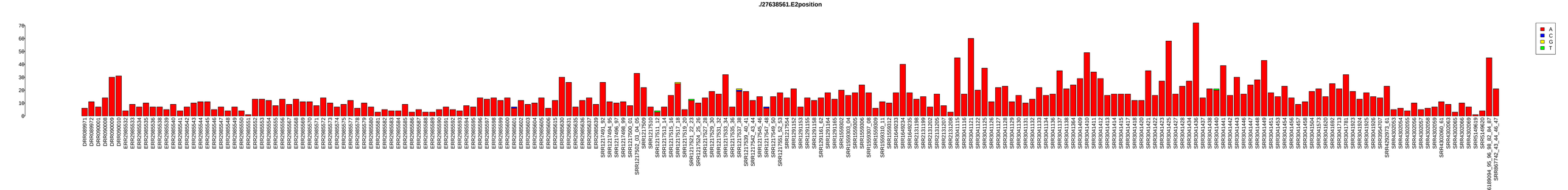


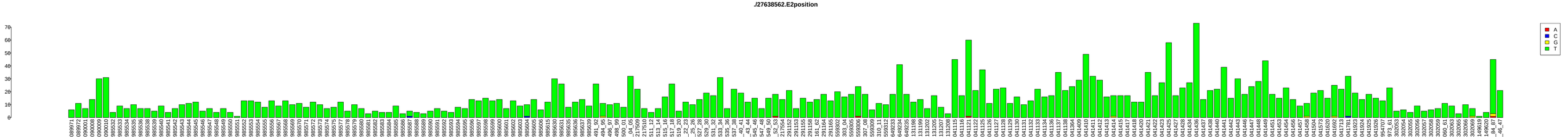

./27638558.E2position
0
10
20
30
40
50
60
70
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202907
SRR4202973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47
A
C
G
T


./27638559.E2position
A
C
G
T

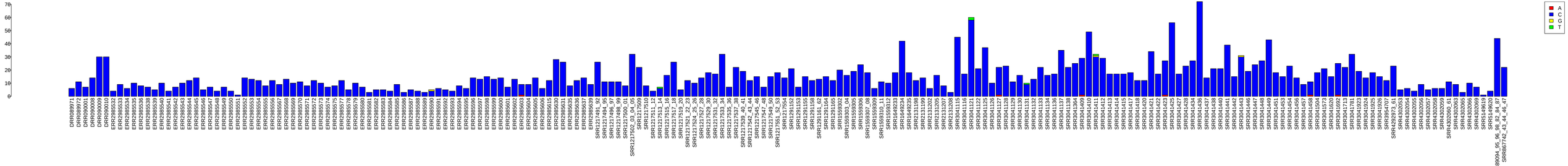
./27638560.E2position

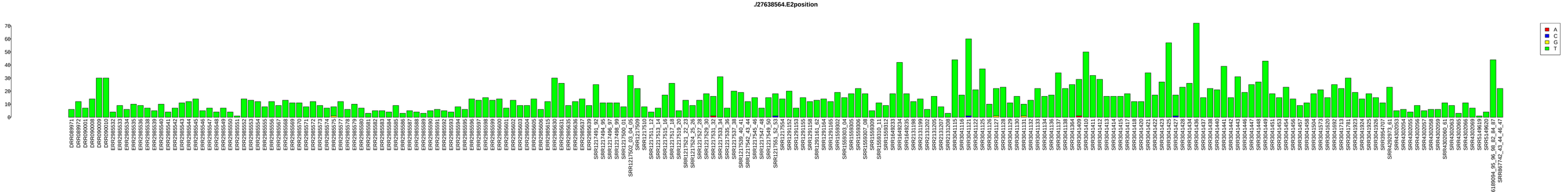


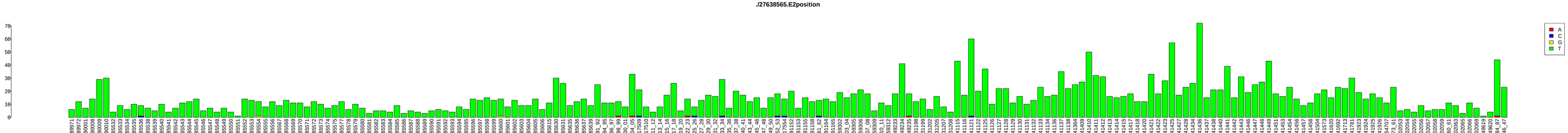

./27638561.E2position
A
C
G
T


./27638562.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

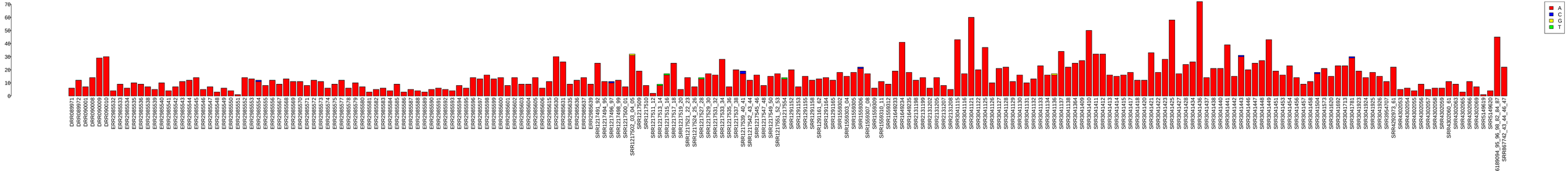
./27638563.E2position

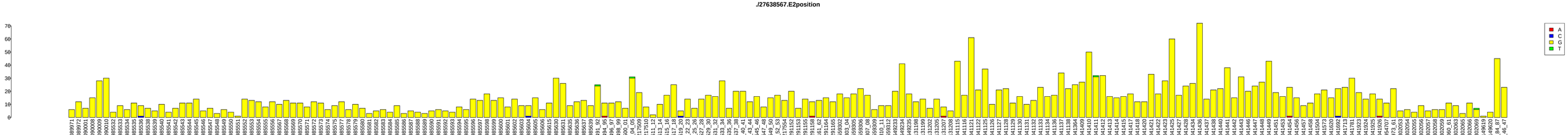


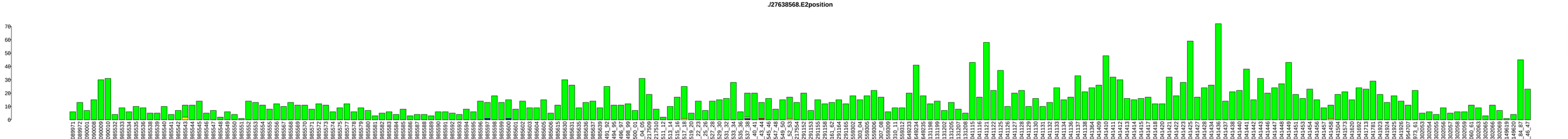

./27638564.E2position
0
10
20
30
40
50
60
70
A
C
G
T

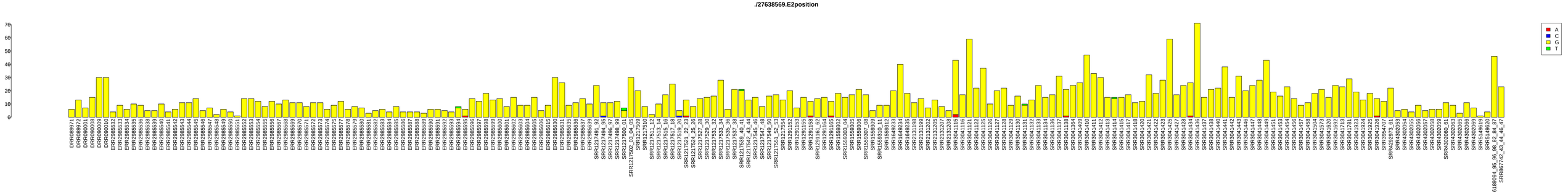

./27638565.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638566.E2position

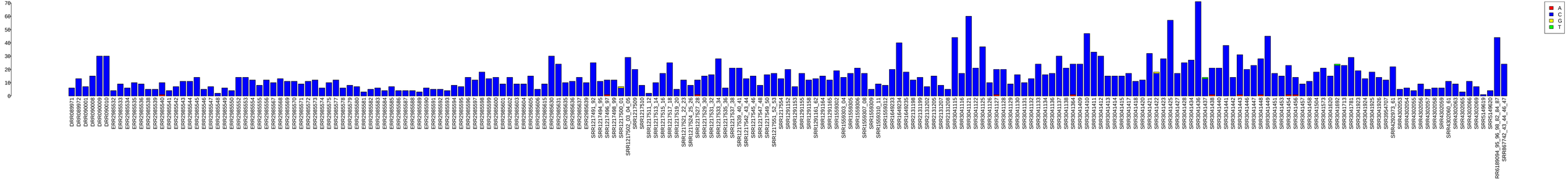


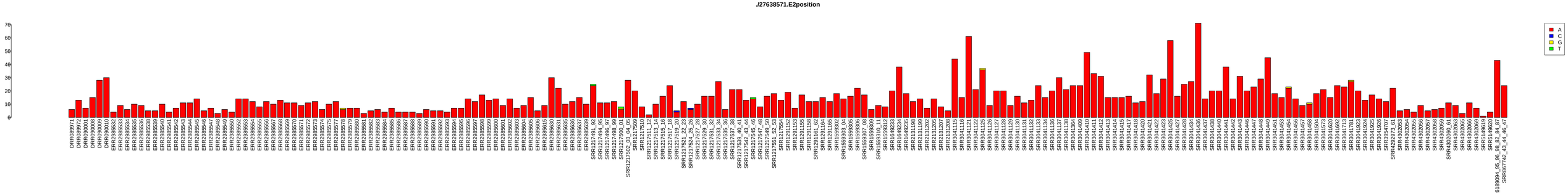

./27638567.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217495_96
SRR1217496_97
SRR1217500_99
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041572
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

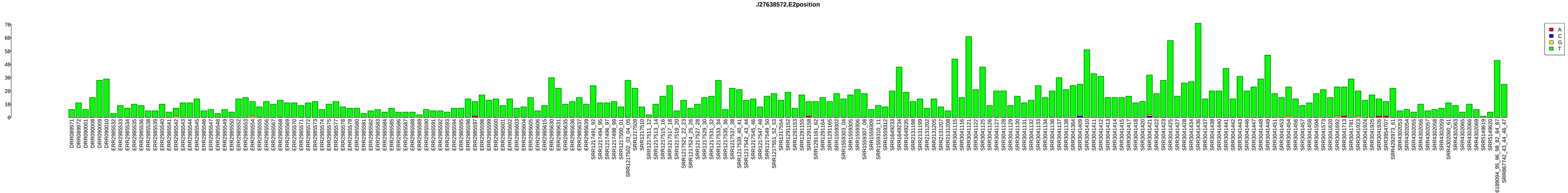

./27638568.E2position
0
10
20
30
40
50
60
70
A
C
G
T

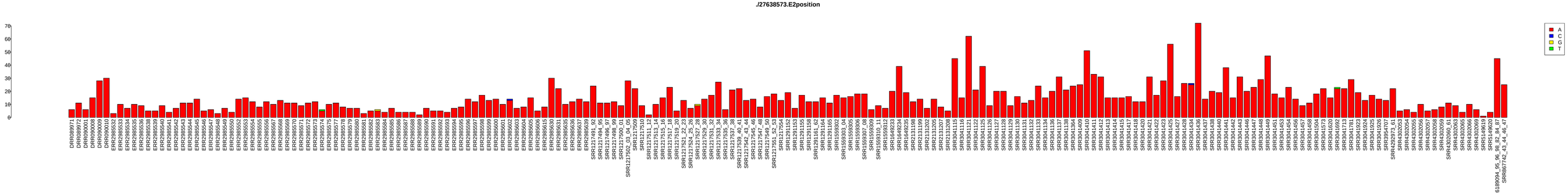

./27638569.E2position
A
C
G
T

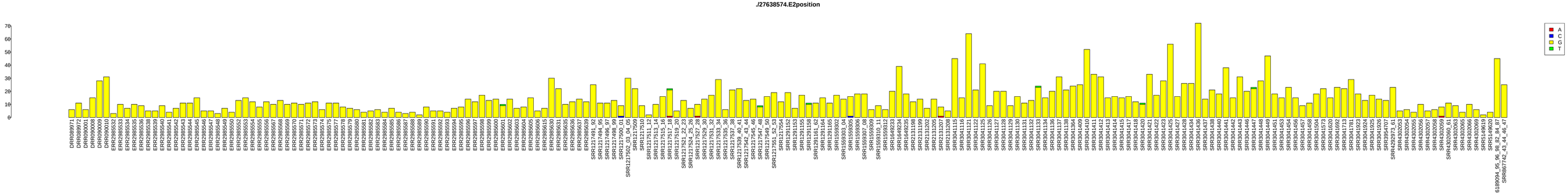
./27638570.E2position

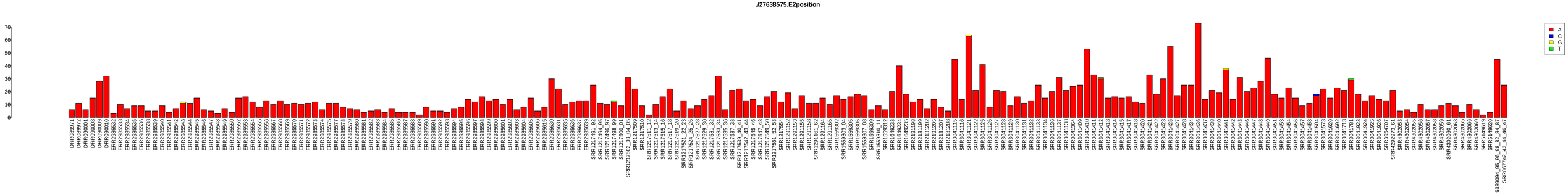


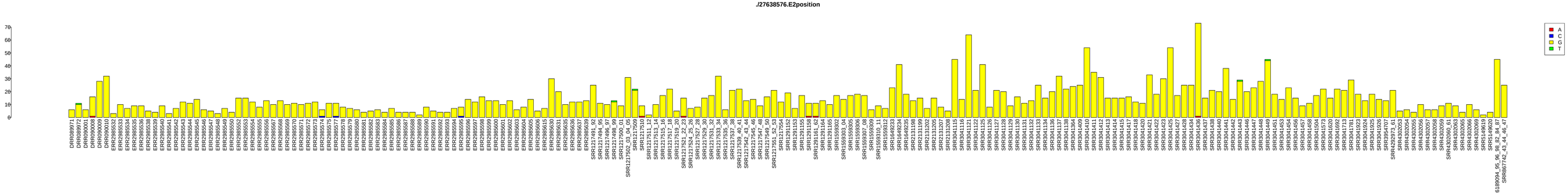

./27638571.E2position
A
C
G
T


./27638572.E2position
A
C
G
T

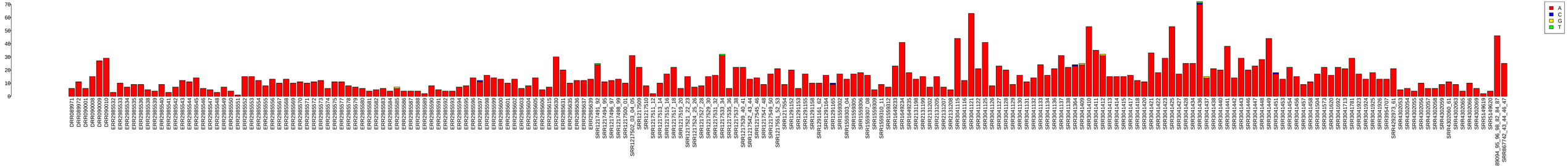

./27638573.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174495_95
SRR12174496_97
SRR12174498_99
SRR12174500_01
SRR12174500_03_04_05
SRR12177509
SRR12177510
SRR12177511_12
SRR12177513_14
SRR12177515_16
SRR12177517_18
SRR12177519_20
SRR12177521_22_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177543_44
SRR12177545_46
SRR12177547_48
SRR12177549_50
SRR12177551_52_53
SRR12177554_55
SRR12291152
SRR12291153
SRR12291155
SRR12291158
SRR12291161
SRR12291164
SRR12291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1559313
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041459
SRR3041540
SRR3041542
SRR3041573
SRR3041620
SRR3041692
SRR3041731
SRR3041733
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR5146189
SRR5146190
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

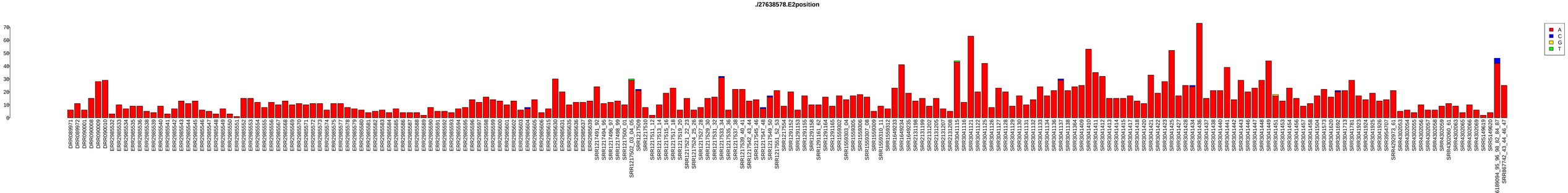

./27638574.E2position
A
C
G
T

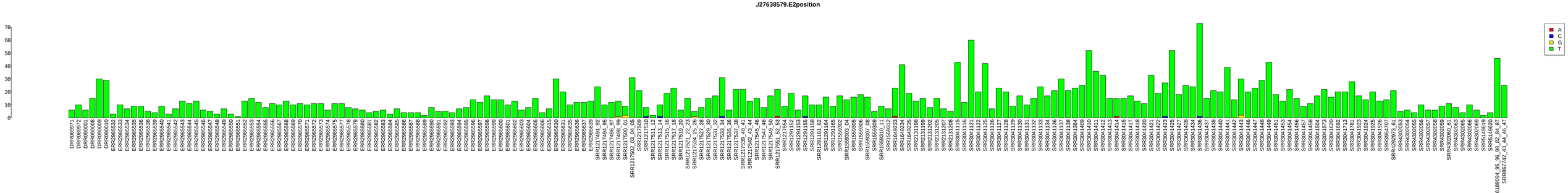

./27638575.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1291151
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR2131210
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041459
SRR3041540
SRR3041542
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

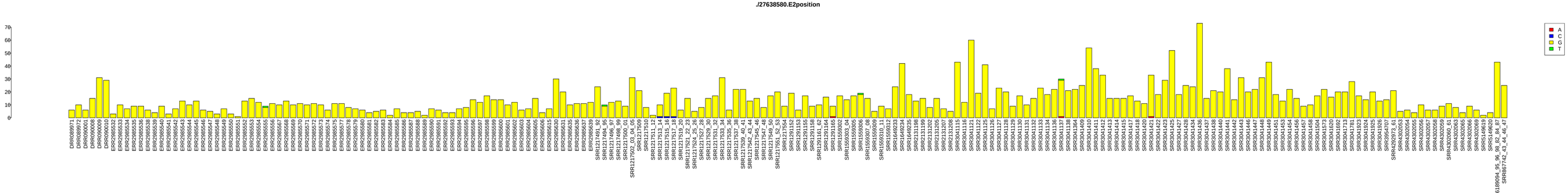

./27638576.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174494_95
SRR12174496_97
SRR12174498_99
SRR12177500_01
SRR12177500_03_04_05
SRR12177500_07
SRR12177500_09
SRR12177511_12
SRR12177513_14
SRR12177515_16
SRR12177517_18
SRR12177519_20
SRR12177521_22_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177543_44_45
SRR12177545_46
SRR12177547_48
SRR12177549_50
SRR12177551_52_53
SRR12177554_55_56
SRR12291152
SRR12291153
SRR12291155
SRR12291157
SRR12291158
SRR12291164
SRR12291165
SRR15593002
SRR15593003_04
SRR15593005
SRR15593006
SRR15593007_08
SRR15593309
SRR15593310_11
SRR15593312_13
SRR16649233
SRR16649234
SRR16649235
SRR22131198
SRR22131202
SRR22131203
SRR22131205
SRR22131207
SRR22131208
SRR22131209
SRR22131210
SRR22131215
SRR23041121
SRR23041122
SRR23041125
SRR23041126
SRR23041127
SRR23041128
SRR23041129
SRR23041130
SRR23041131
SRR23041132
SRR23041133
SRR23041134
SRR23041136
SRR23041137
SRR23041138
SRR23041384
SRR23041409
SRR23041410
SRR23041411
SRR23041412
SRR23041413
SRR23041414
SRR23041415
SRR23041417
SRR23041418
SRR23041420
SRR23041421
SRR23041422
SRR23041425
SRR23041427
SRR23041428
SRR23041434
SRR23041436
SRR23041437
SRR23041438
SRR23041440
SRR23041441
SRR23041442
SRR23041443
SRR23041446
SRR23041447
SRR23041448
SRR23041449
SRR23041452
SRR23041453
SRR23041454
SRR23041456
SRR23041457
SRR23041506
SRR23041524
SRR23041573
SRR23041620
SRR23041692
SRR23041763
SRR23041783
SRR23041923
SRR23041924
SRR23041925
SRR23041926
SRR23041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146613
SRR5146614
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

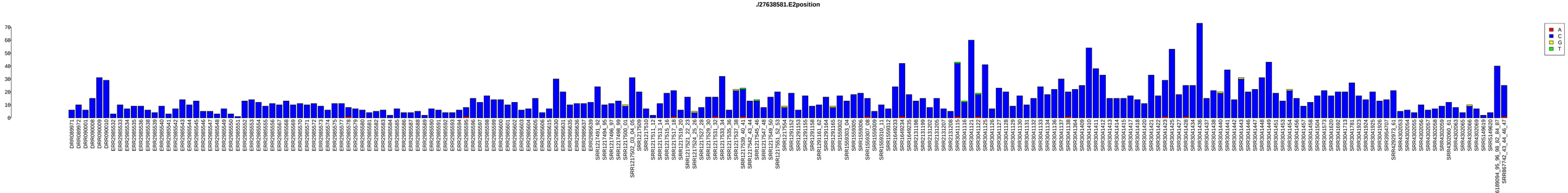
./27638577.E2position



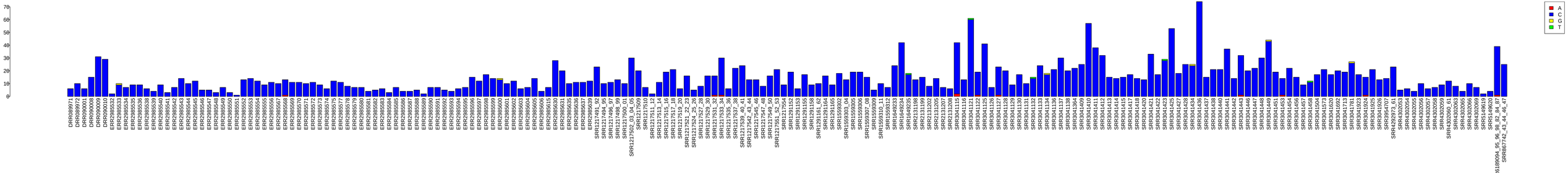

./27638578.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638579.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1291166
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1646223
SRR1646224
SRR1646225
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042007
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

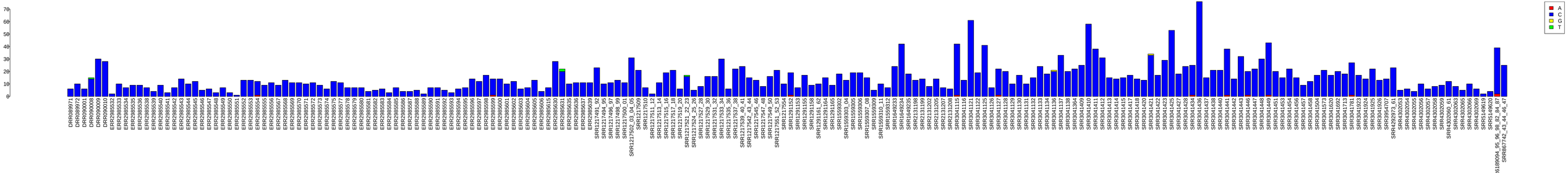

./27638580.E2position
A
C
G
T


./27638581.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217450_93
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

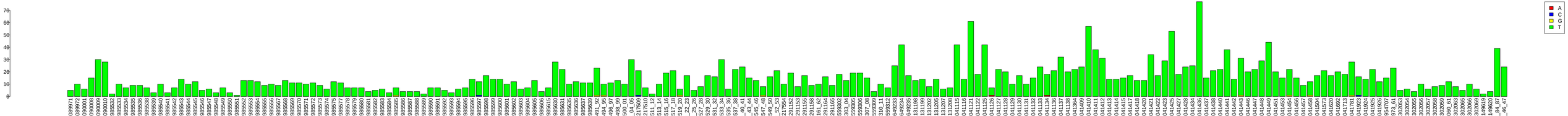
./27638582.E2position

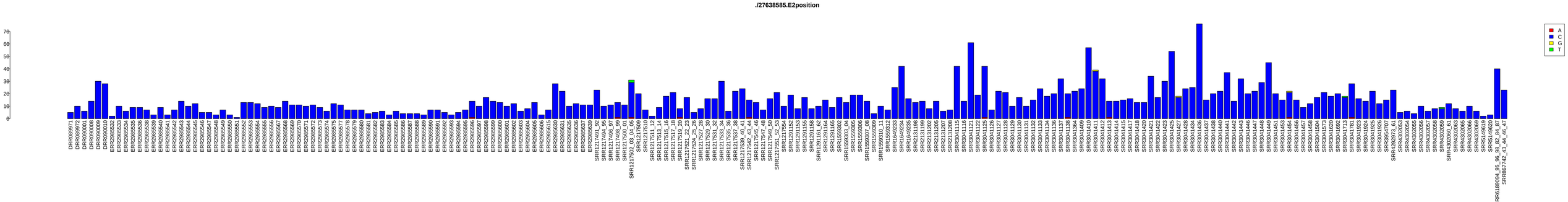


./27638583.E2position

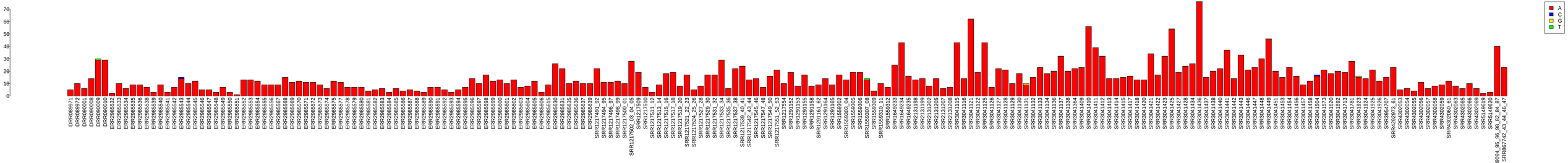


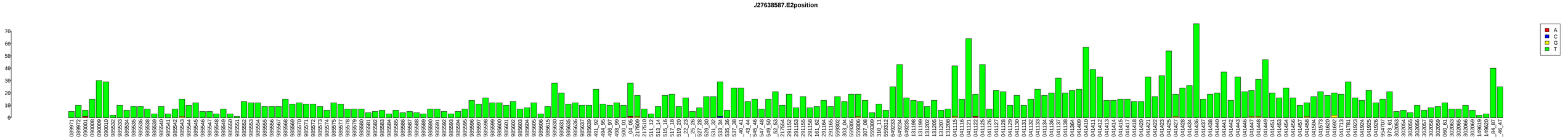
./27638584.E2position



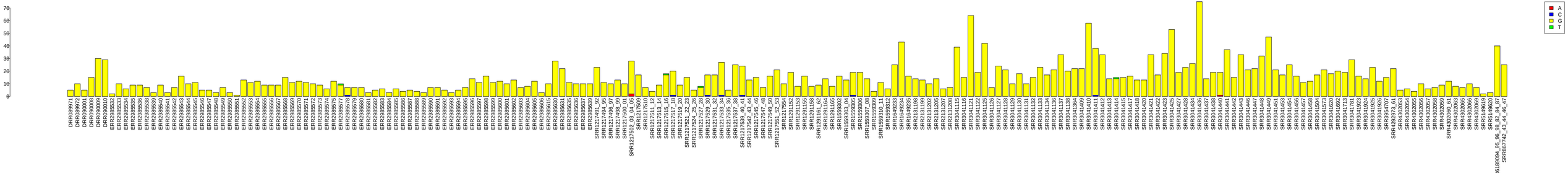

./27638585.E2position
A
C
G
T

./27638586.E2position

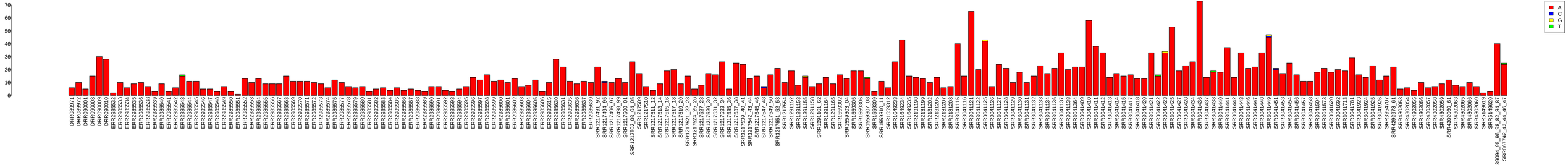


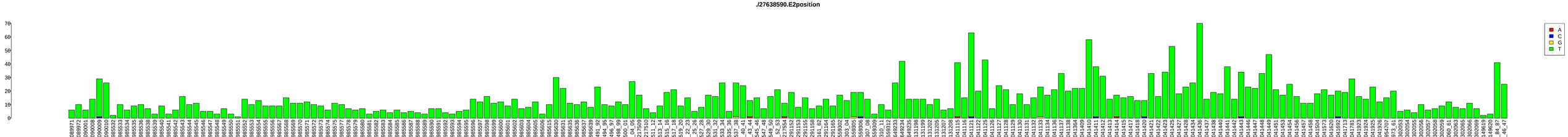

./27638587.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148618
SRR5148619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

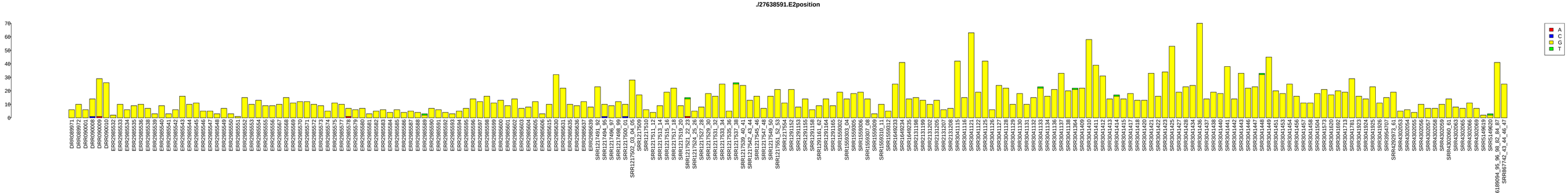
./27638588.E2position

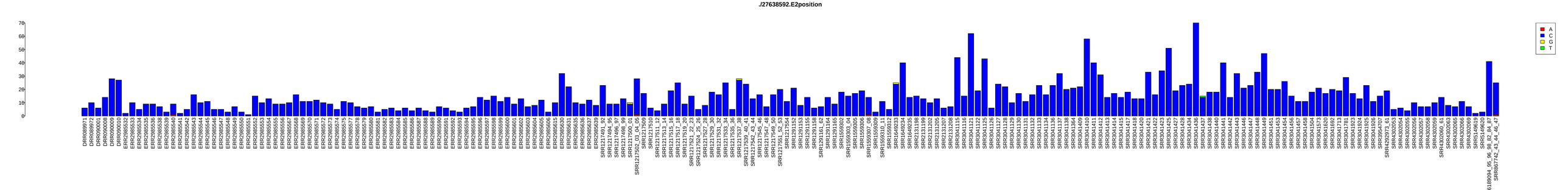


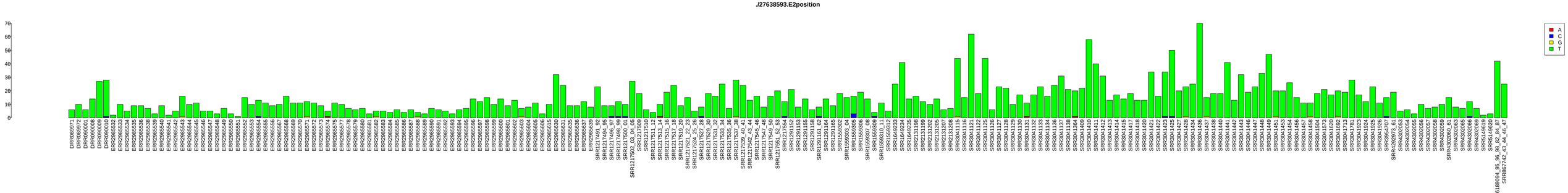
./27638589.E2position

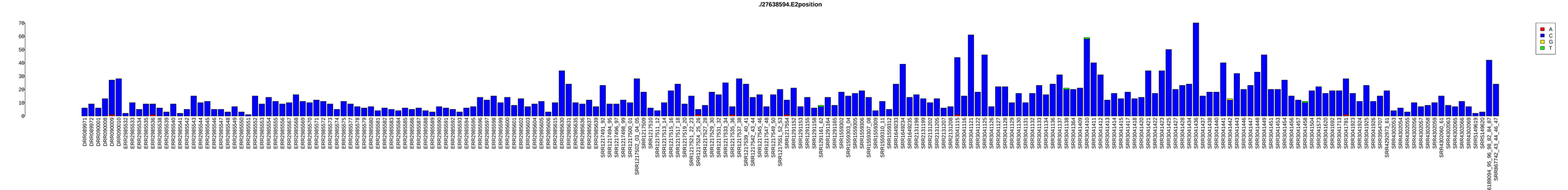



./27638590.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042007
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148618
SRR5148619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

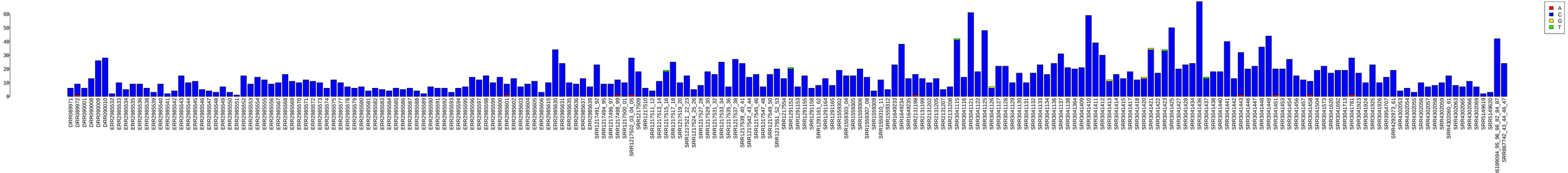

./27638591.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090032
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

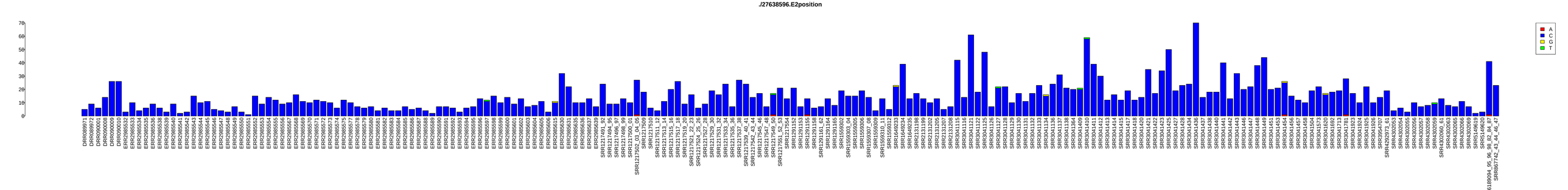

./27638592.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217520
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1559313
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

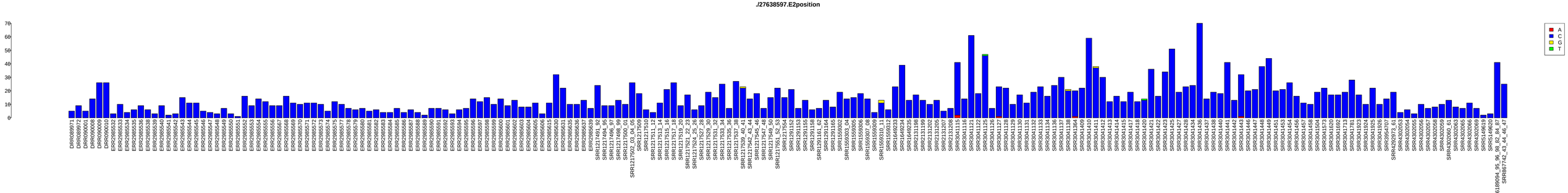

./27638593.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146618
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638594.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217520
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1291167
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

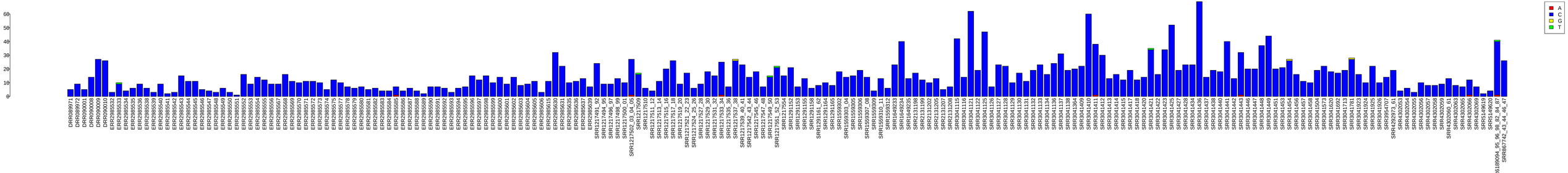
./27638595.E2position

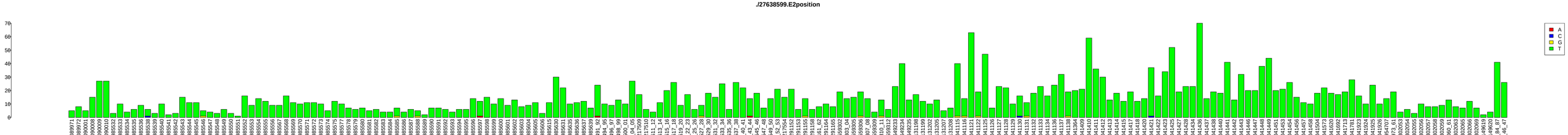


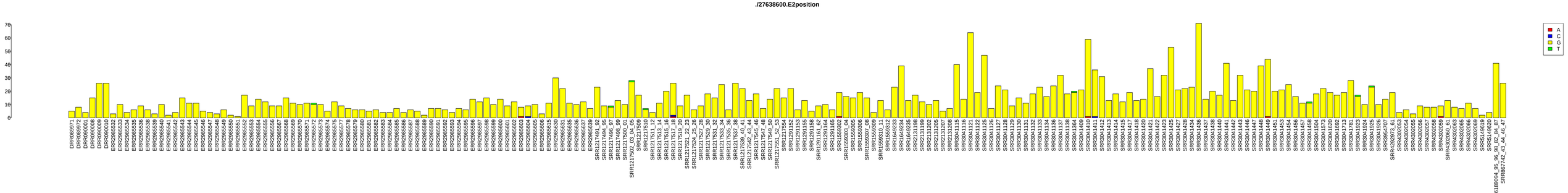

./27638596.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

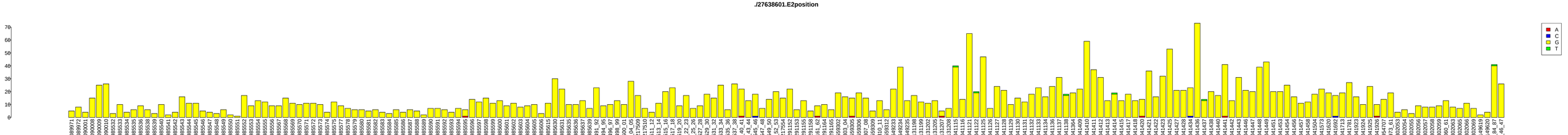

./27638597.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

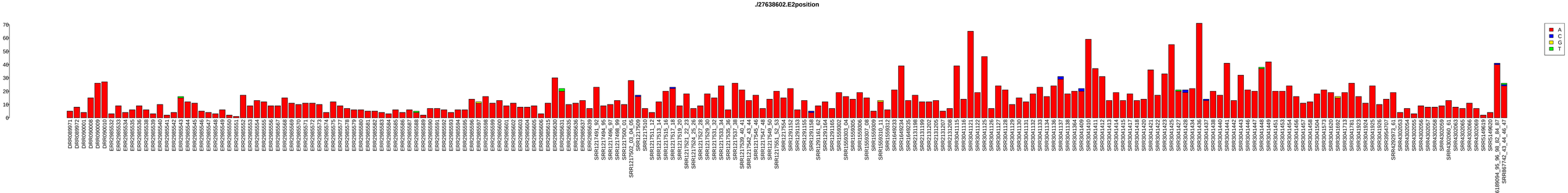
./27638598.E2position

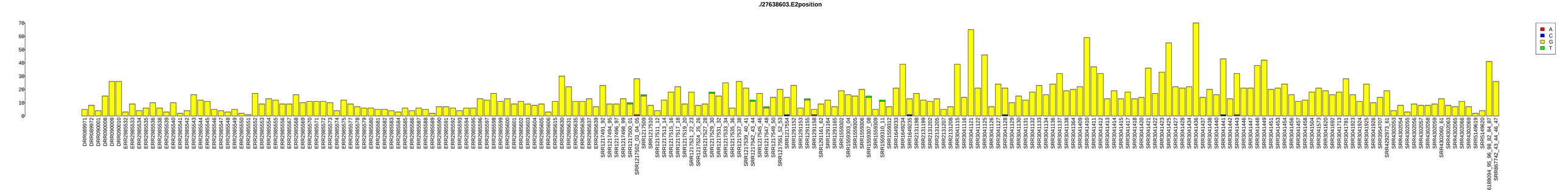


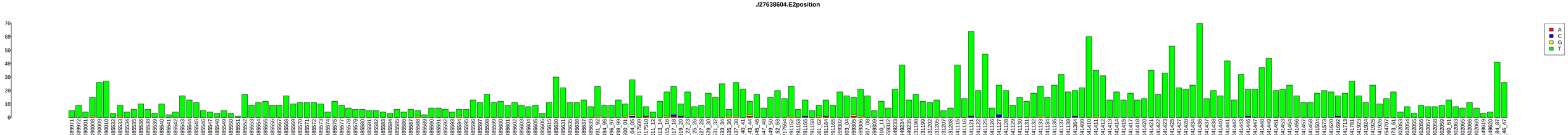

./27638599.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133206
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202907
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

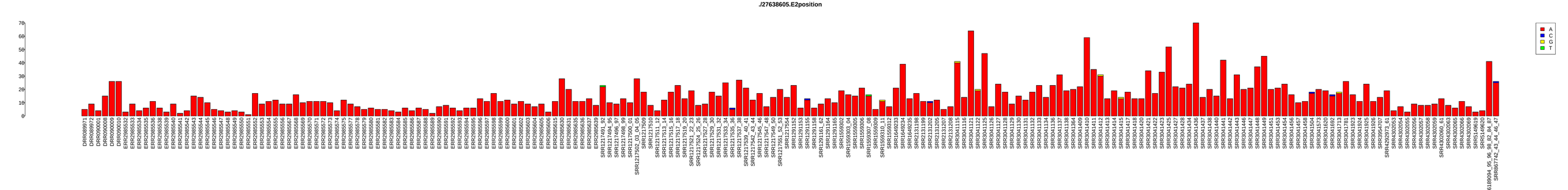

./27638600.E2position
A
C
G
T

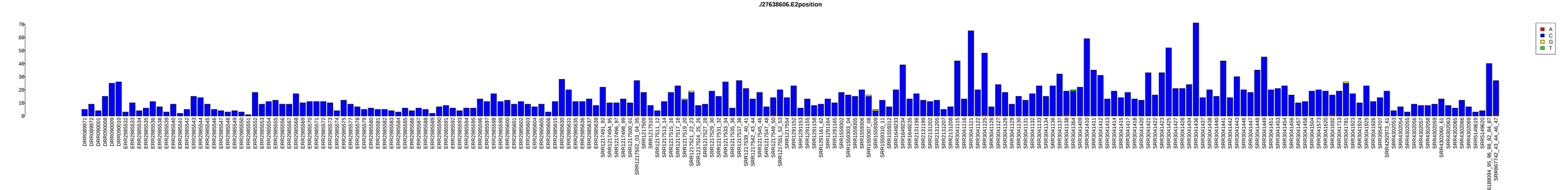

./27638601.E2position
A
C
G
T
0
10
20
30
40
50
60
70
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985536
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217496_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041430
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282971_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

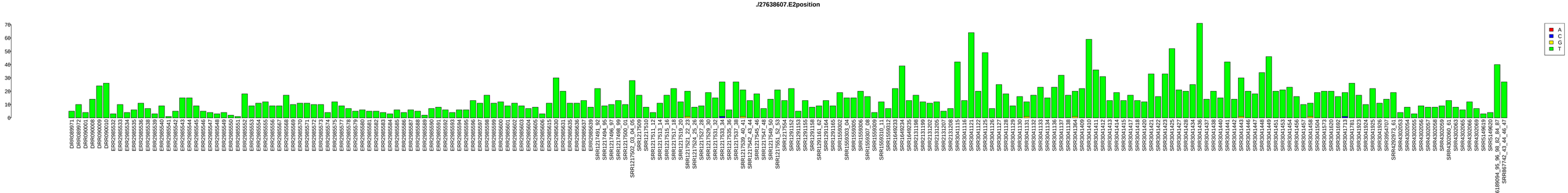

./27638602.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985614
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

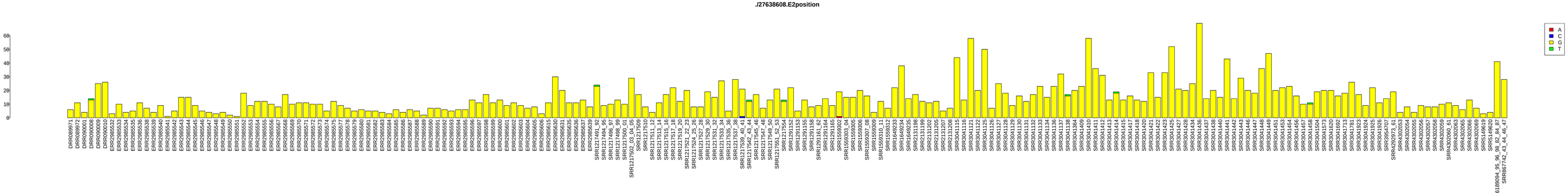

./27638603.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217552
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638604.E2position
A
C
G
T

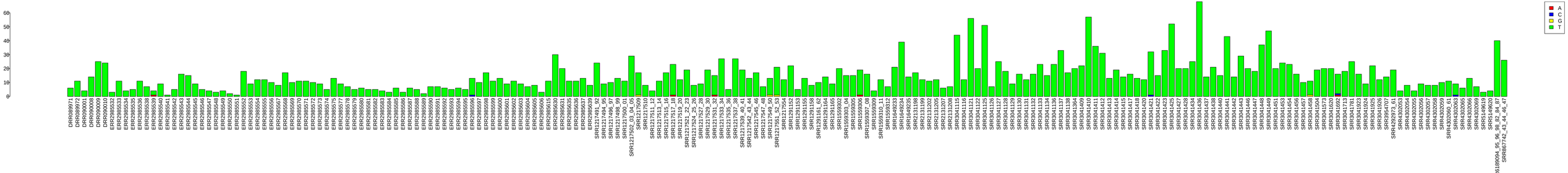

./27638605.E2position
A
C
G
T

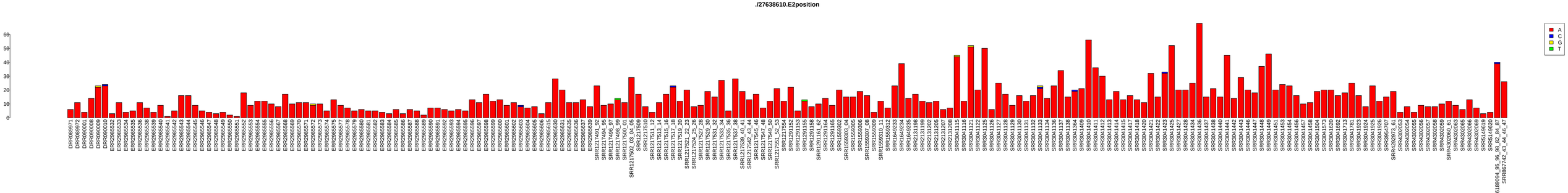

./27638606.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649214
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

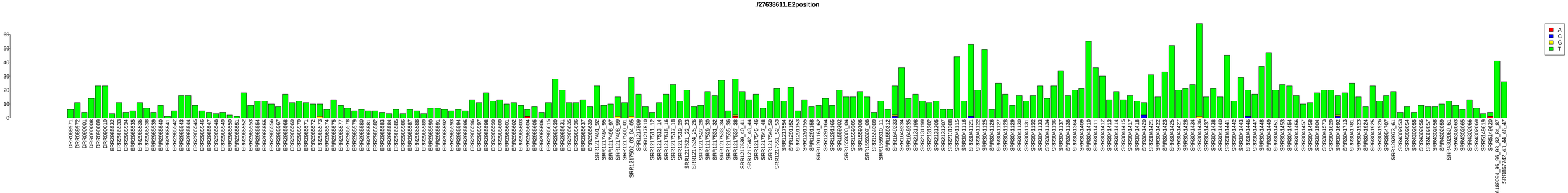

./27638607.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041140
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202907
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638608.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR8677424_43_44_46_47

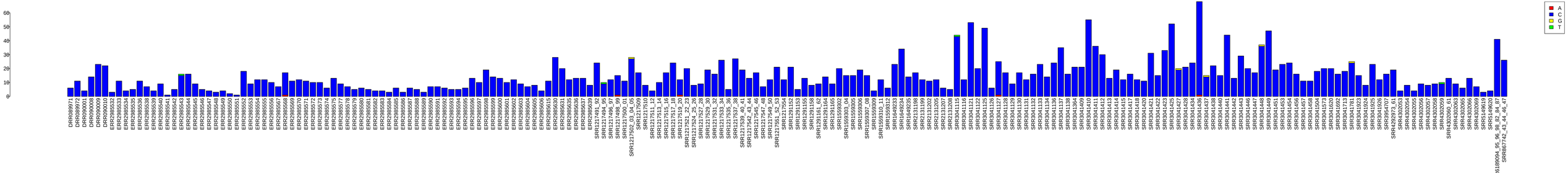
./27638609.E2position



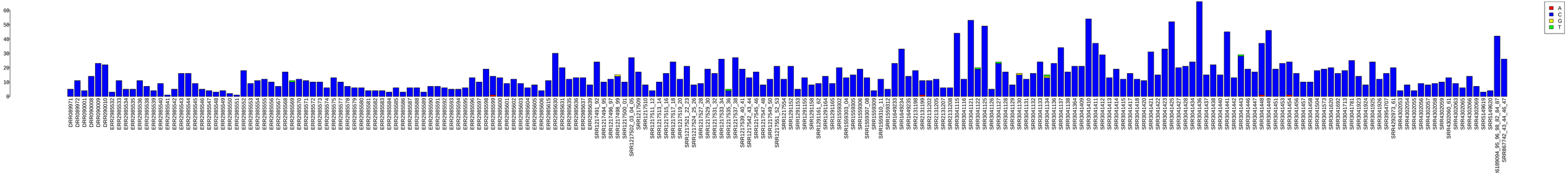

./27638610.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638611.E2position
A
C
G
T

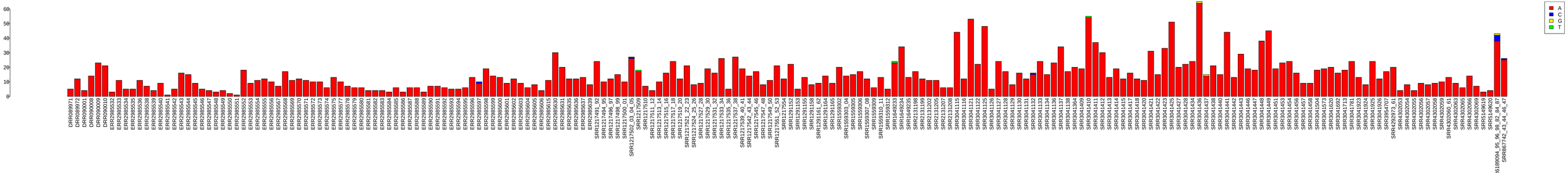
./27638612.E2position

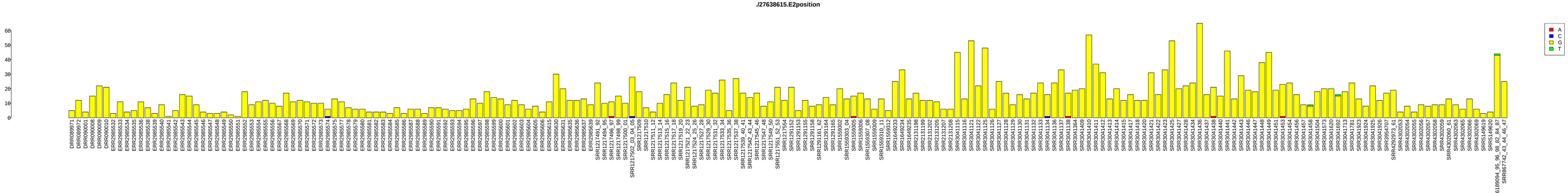


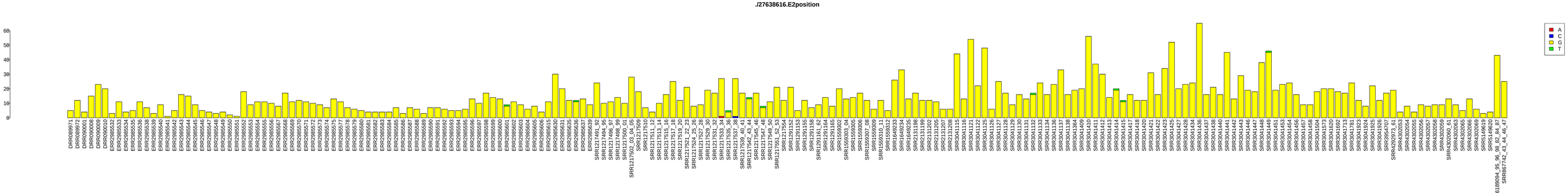
./27638613.E2position



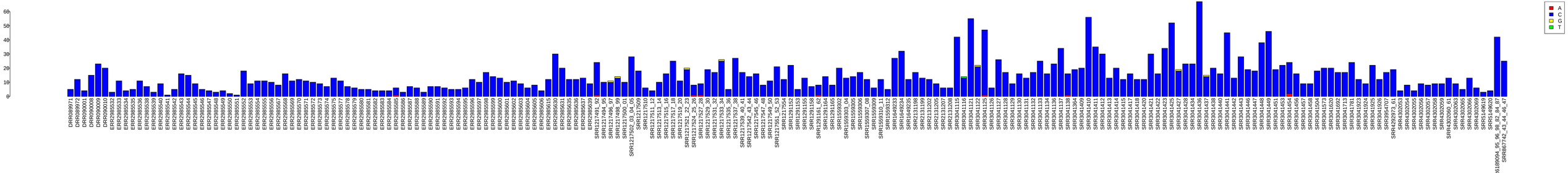
./27638614.E2position



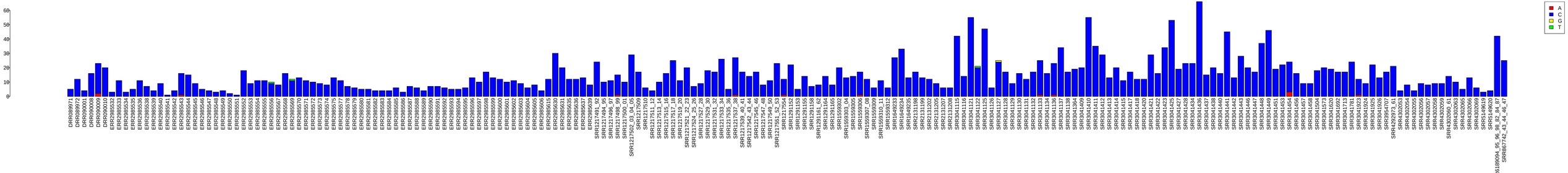

./27638615.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217501_02
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5148613
SRR5148614
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

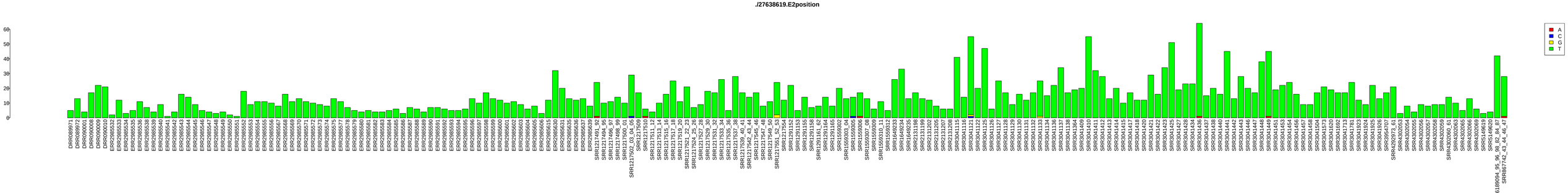

./27638616.E2position
A
C
G
T

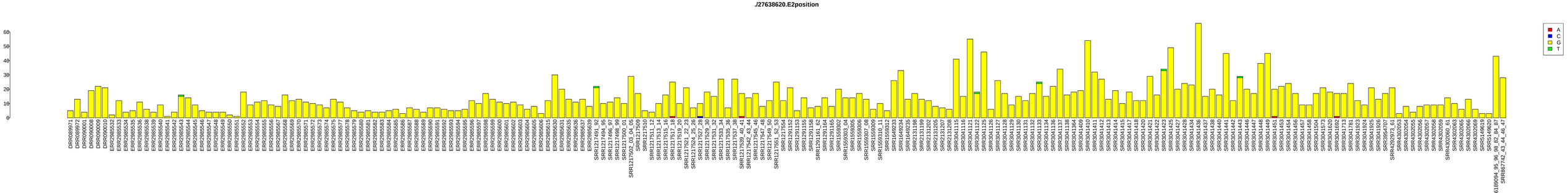
./27638617.E2position

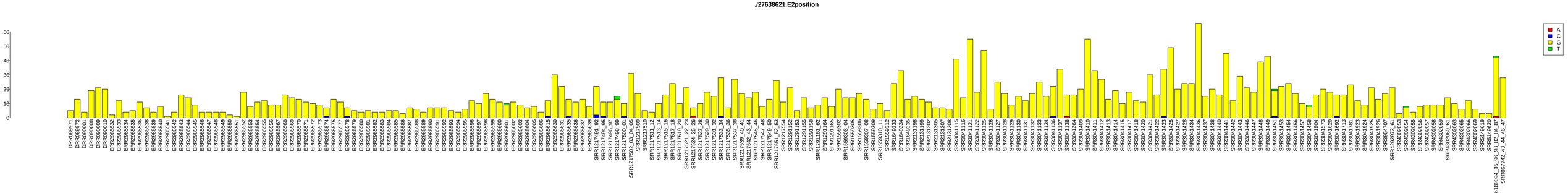


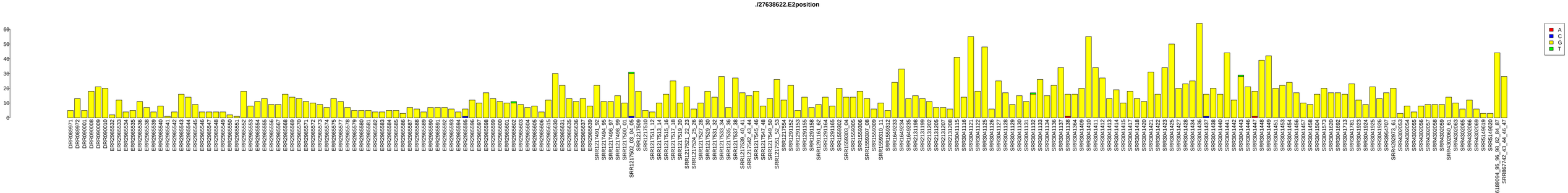
./27638618.E2position

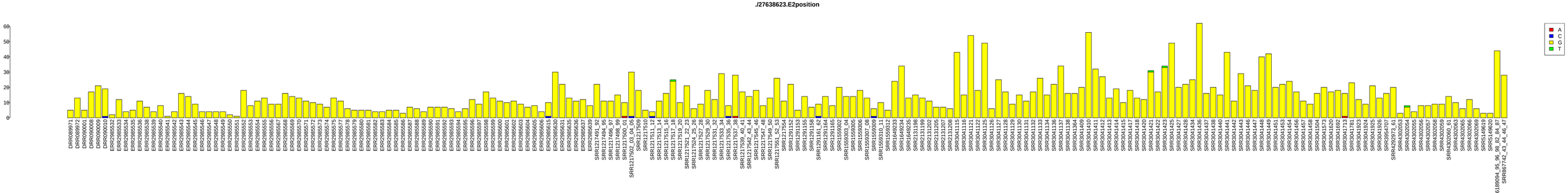



./27638619.E2position
A
C
G
T

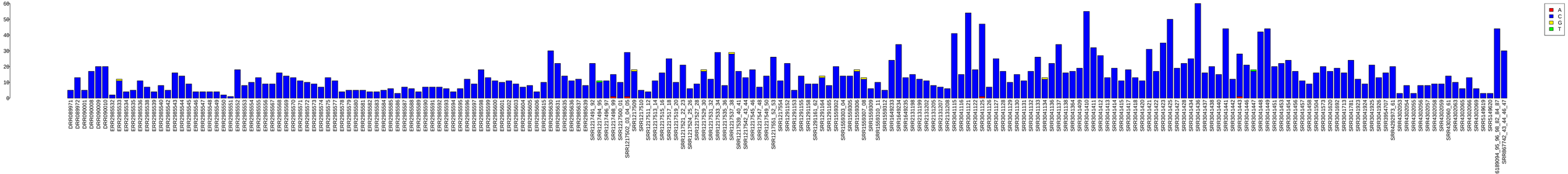

./27638620.E2position
A
C
G
T


./27638621.E2position
A
C
G
T

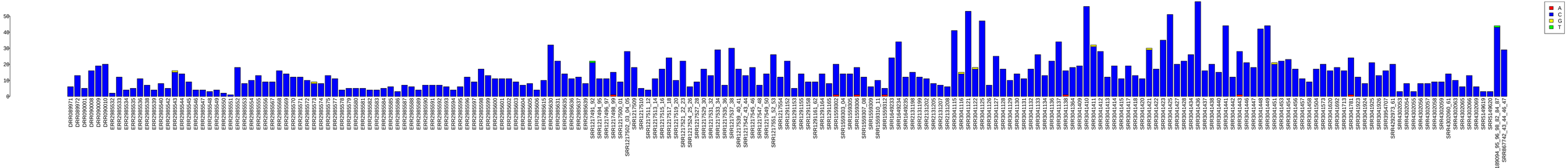

./27638622.E2position
A
C
G
T

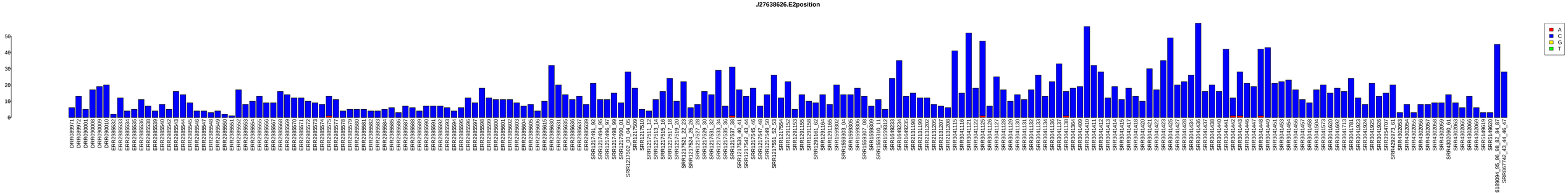

./27638623.E2position
A
C
G
T

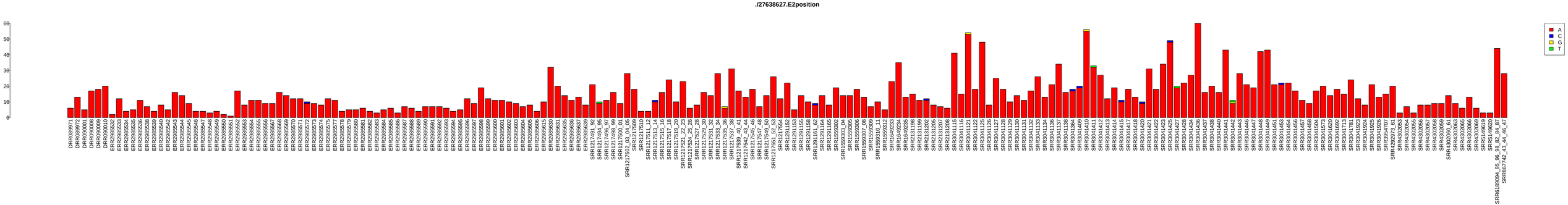
./27638624.E2position



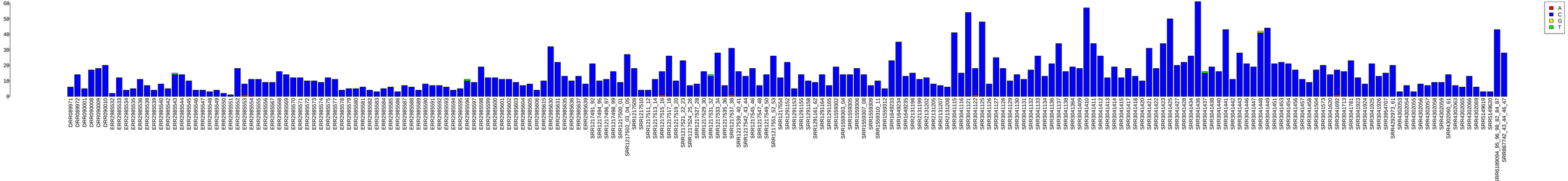
./27638625.E2position



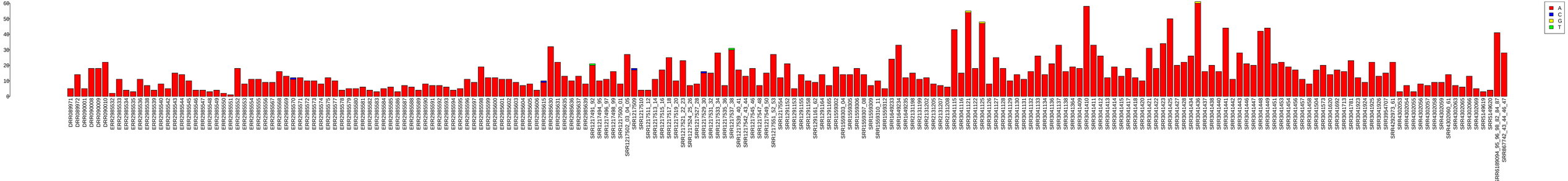

./27638626.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510_11
SRR1217511_12
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554_55_56
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041139
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041460
SRR3041540
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638627.E2position
A
C
G
T

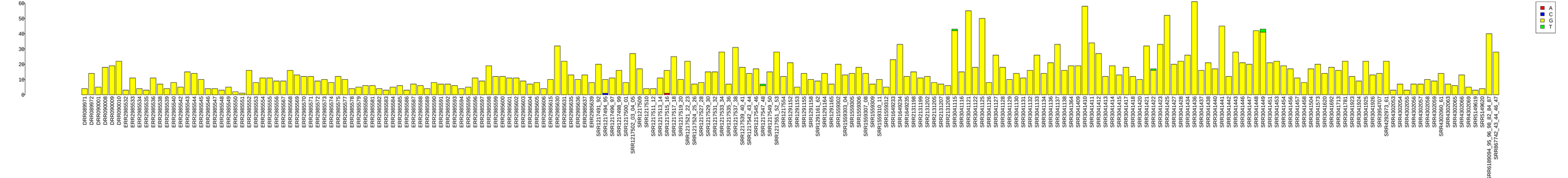
./27638628.E2position

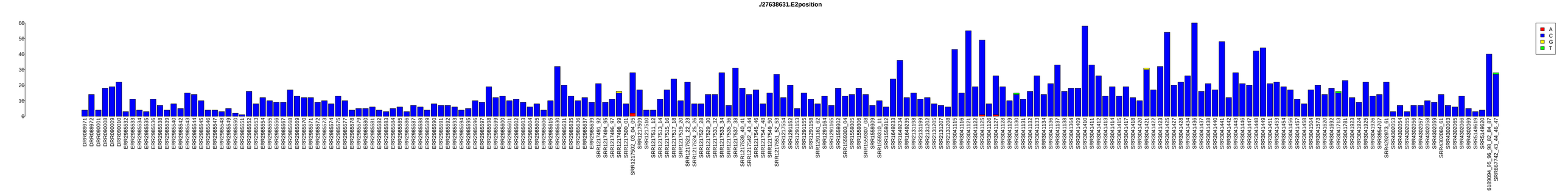


./27638629.E2position

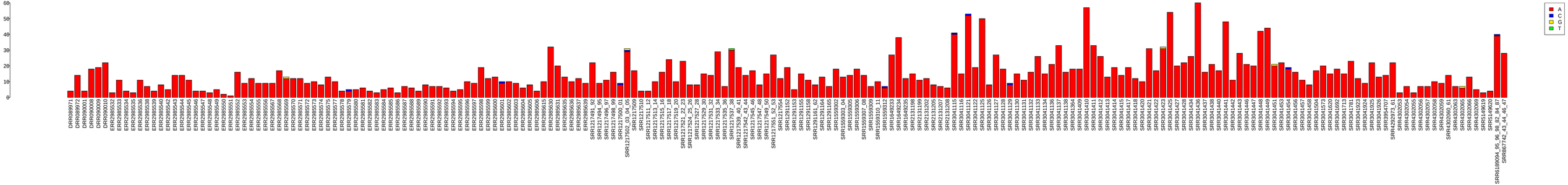


./27638630.E2position

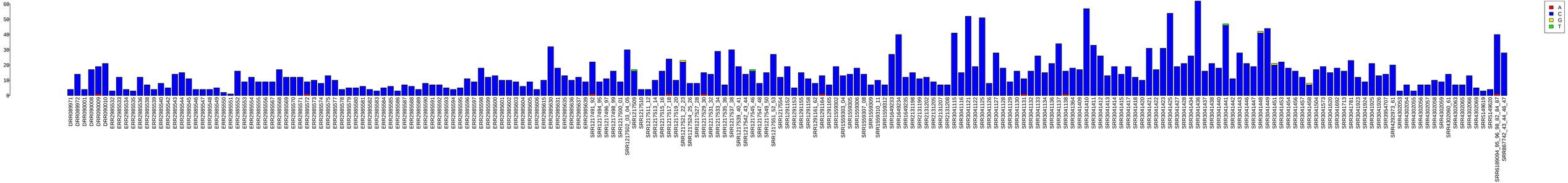


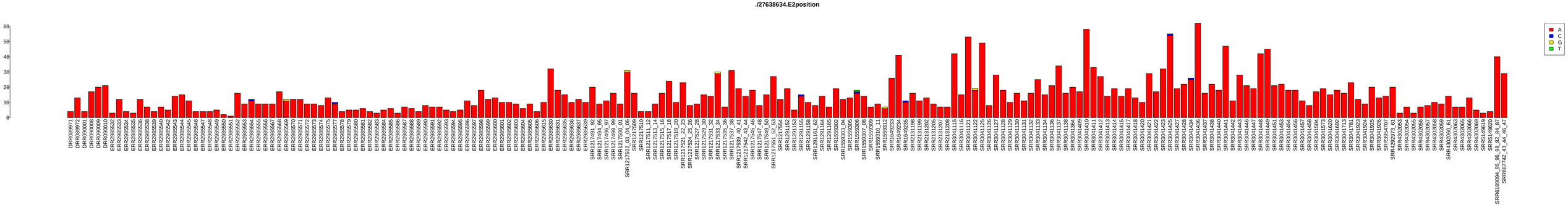

./27638631.E2position
A
C
G
T

./27638632.E2position

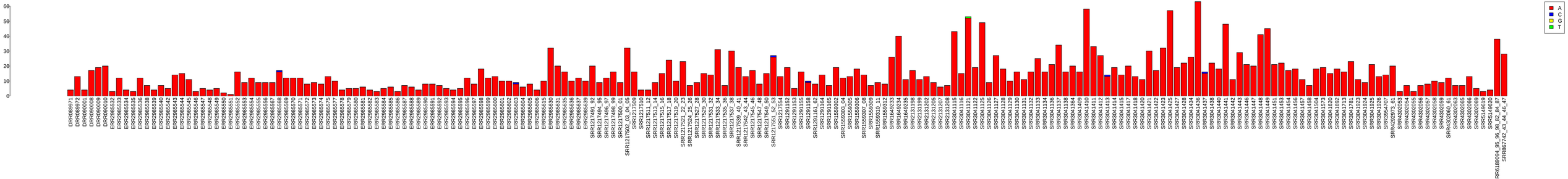


./27638633.E2position

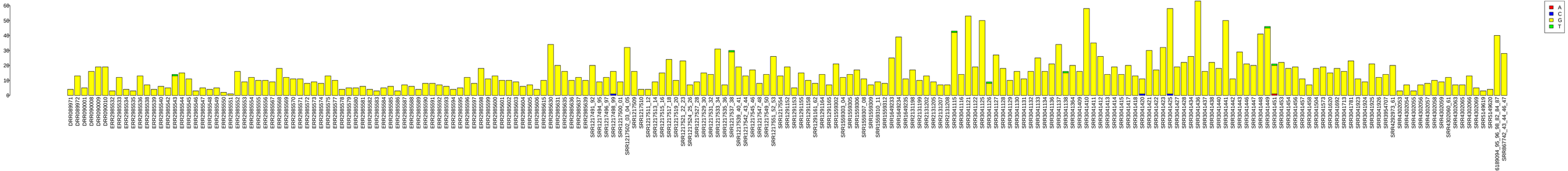


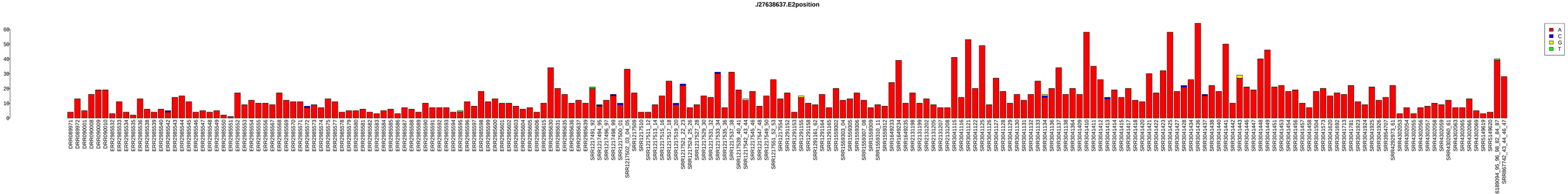

./27638634.E2position
A
C
G
T

./27638635.E2position

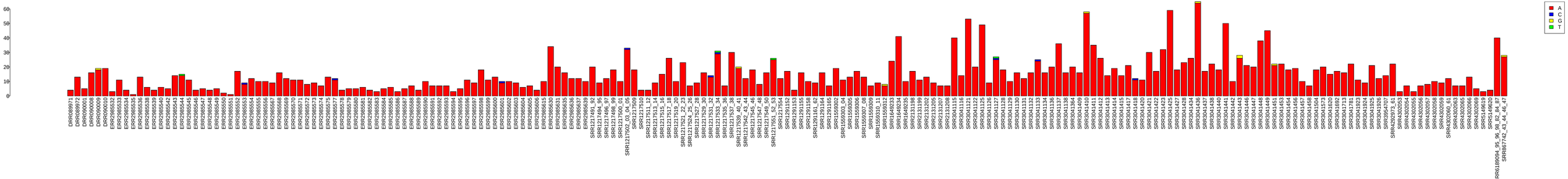


./27638636.E2position

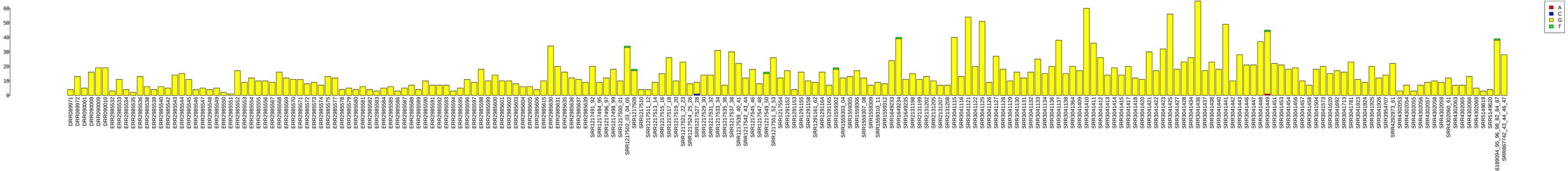



./27638637.E2position
0
10
20
30
40
50
60
A
C
G
T

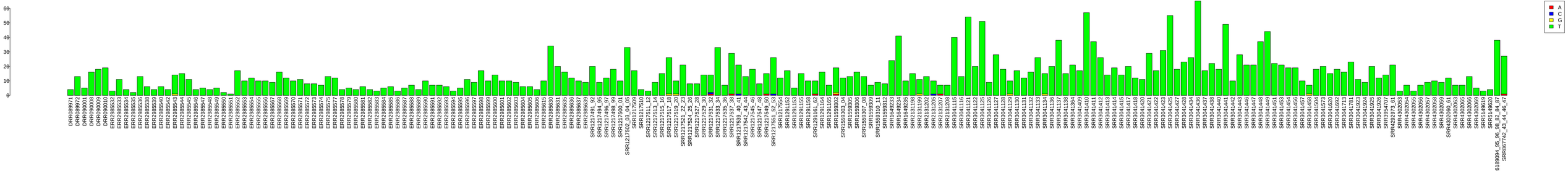
./27638638.E2position



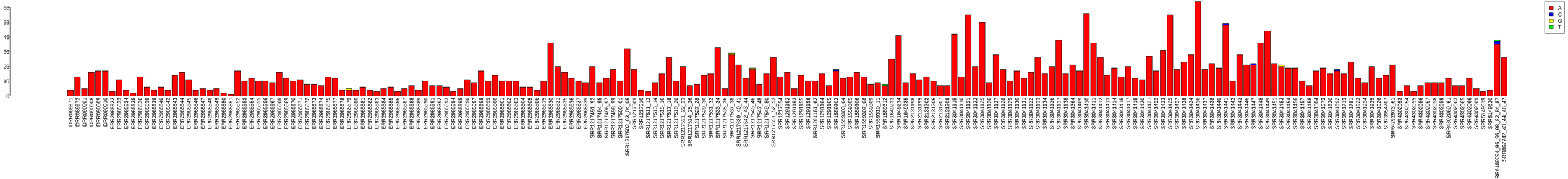
./27638639.E2position



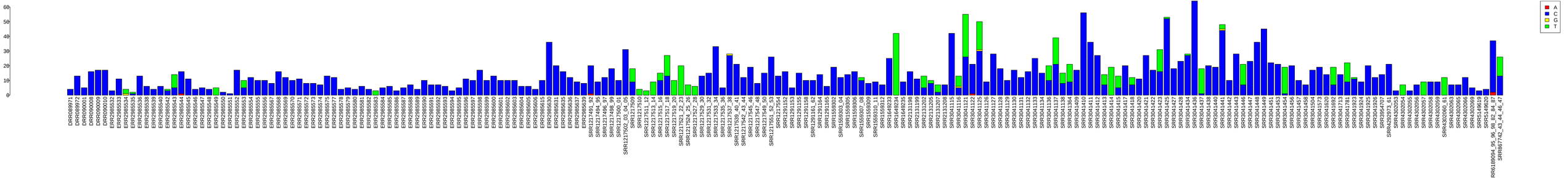
./27638640.E2position

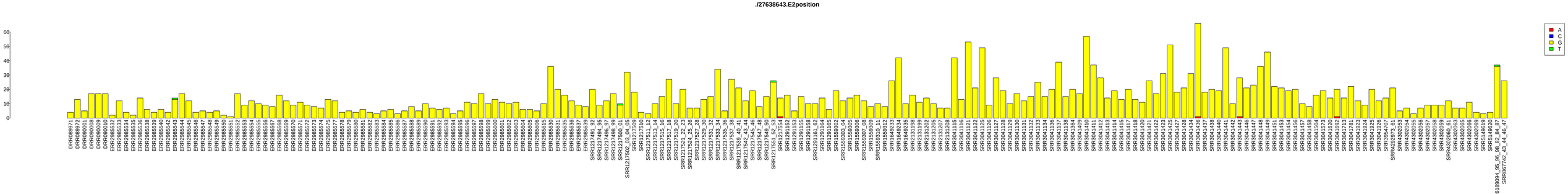


./27638641.E2position

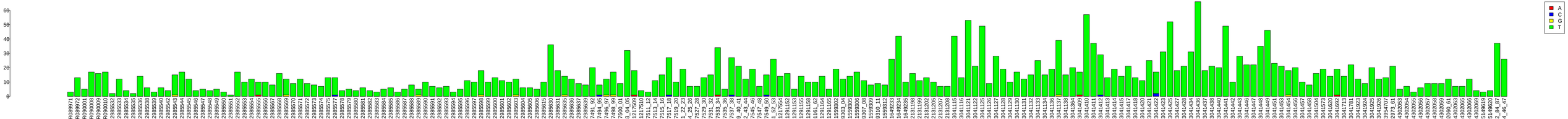


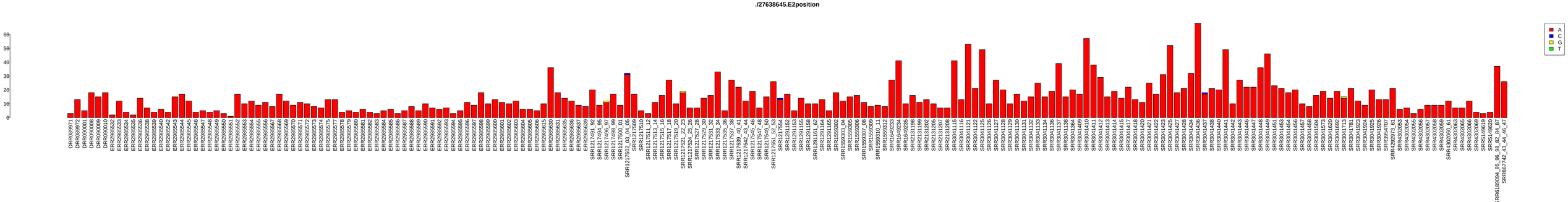
./27638642.E2position

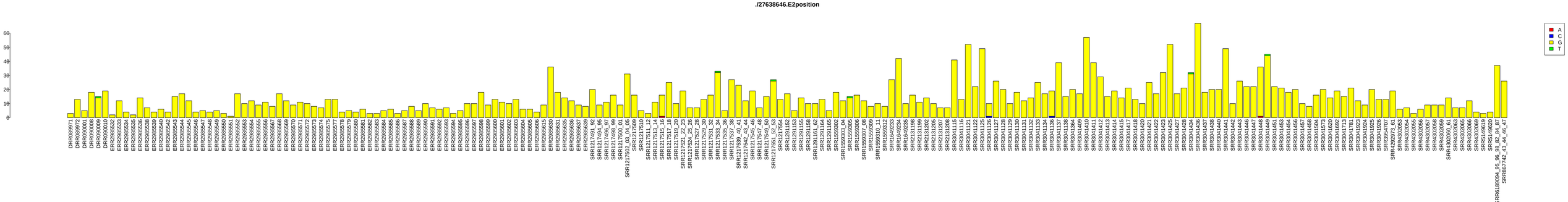



./27638643.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44_45
SRR1217546_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1291150
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041416
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041524
SRR3041573
SRR3041620
SRR3041692
SRR3041753
SRR3041761
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

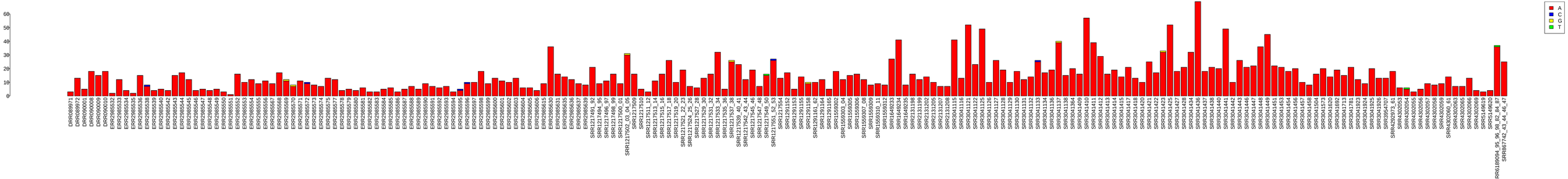
./27638644.E2position



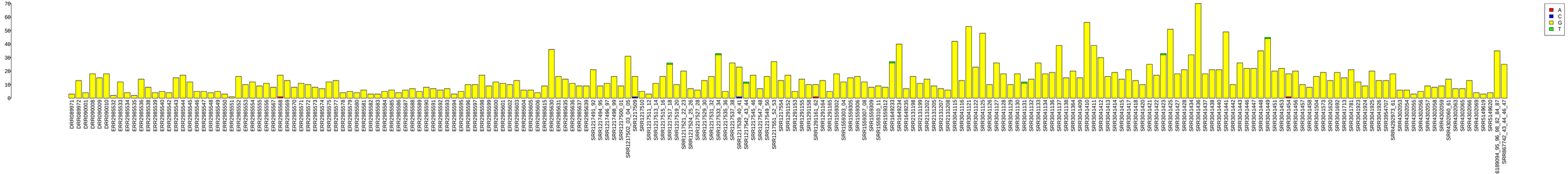

./27638645.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_96
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510_11
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44_45
SRR1217547_48
SRR1217547_49
SRR1217547_50
SRR1217551_52_53
SRR1217554_55_56
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR2131210
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041530
SRR3041534
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638646.E2position
0
10
20
30
40
50
60
A
C
G
T

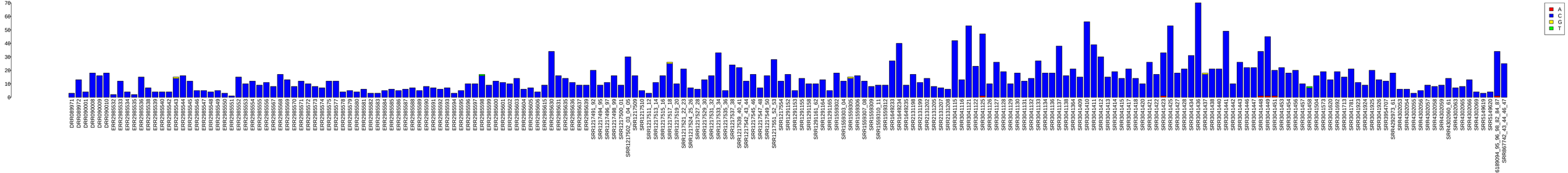
./27638647.E2position

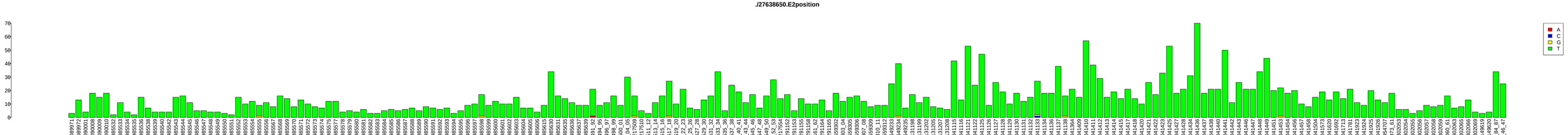


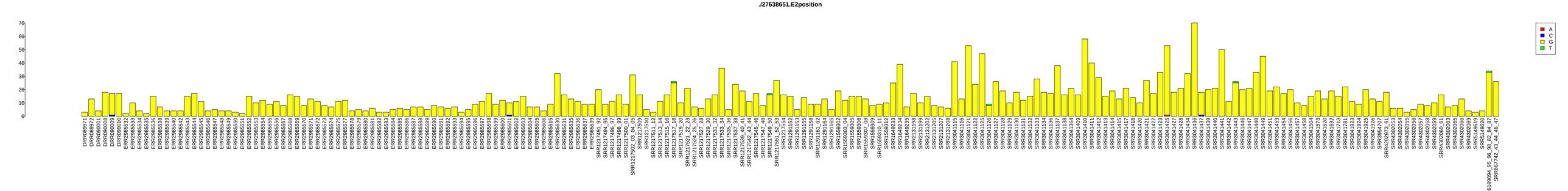
./27638648.E2position

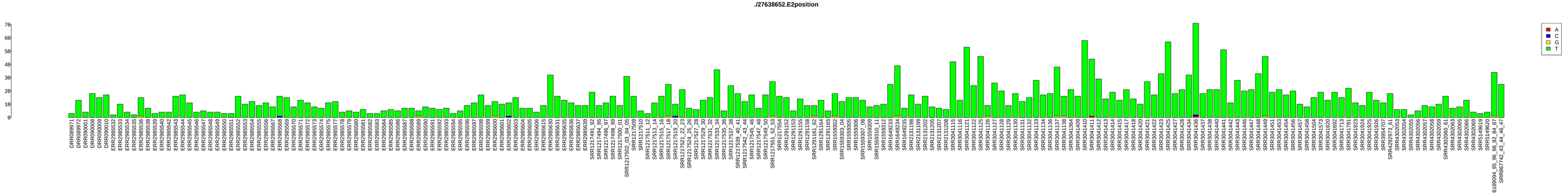


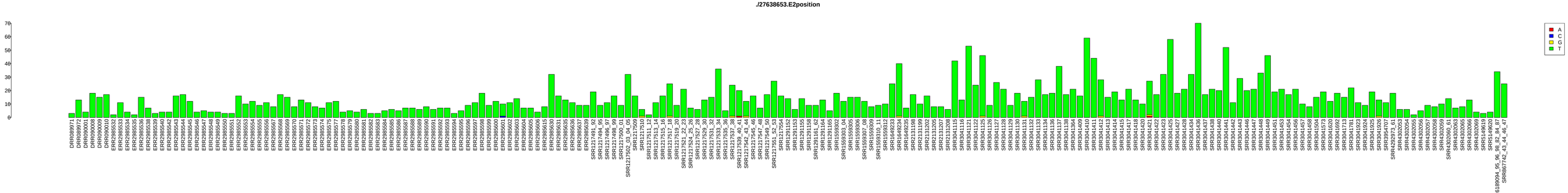
./27638649.E2position

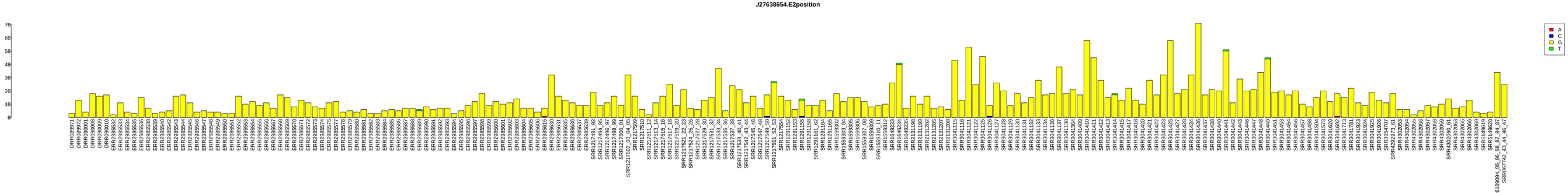


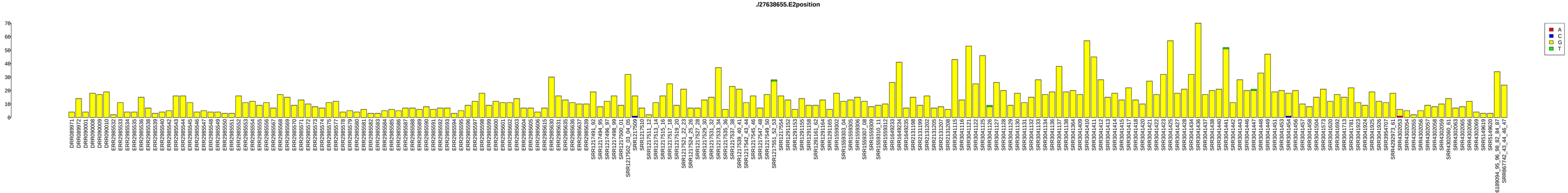

./27638650.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174495_96
SRR12174496_97
SRR12174498_99
SRR12175500_01
SRR12175500_03_04_05
SRR12177509
SRR12177510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25_26
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175543_44
SRR12175545_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554_55
SRR12175556
SRR12178152
SRR12178153
SRR12178155
SRR12178158
SRR12178161_162
SRR12178164
SRR12178165
SRR15593302
SRR15593305
SRR15593306
SRR15593307_08
SRR15593309
SRR15593310_11
SRR15593312_13
SRR16649233
SRR16649234
SRR16649235
SRR22131198
SRR22131202
SRR22131205
SRR22131207
SRR22131208
SRR22131209
SRR22131210
SRR22131211
SRR22131212
SRR22131213
SRR22131214
SRR22131215
SRR22131216
SRR22131217
SRR22131218
SRR22131219
SRR22131220
SRR22131221
SRR22131222
SRR22131223
SRR22131224
SRR22131225
SRR22131226
SRR22131227
SRR22131228
SRR22131229
SRR22131230
SRR22131231
SRR22131232
SRR22131233
SRR22131234
SRR22131235
SRR22131236
SRR22131237
SRR22131238
SRR22131239
SRR22131240
SRR22131241
SRR22131242
SRR22131243
SRR22131244
SRR22131245
SRR22131246
SRR22131247
SRR22131248
SRR22131249
SRR22131250
SRR22131251
SRR22131252
SRR22131253
SRR22131254
SRR22131255
SRR22131256
SRR22131257
SRR22131258
SRR22131259
SRR22131260
SRR22131261
SRR22131262
SRR22131263
SRR22131264
SRR22131265
SRR22131266
SRR22131267
SRR22131268
SRR22131269
SRR22131270
SRR22131271
SRR22131272
SRR22131273
SRR22131274
SRR22131275
SRR22131276
SRR22131277
SRR22131278
SRR22131279
SRR22131280
SRR22131281
SRR22131282
SRR22131283
SRR22131284
SRR22131285
SRR22131286
SRR22131287
SRR22131288
SRR22131289
SRR22131290
SRR22131291
SRR22131292
SRR22131293
SRR22131294
SRR22131295
SRR22131296
SRR22131297
SRR22131298
SRR22131299
SRR22131300
SRR22131301
SRR22131302
SRR22131303
SRR22131304
SRR22131305
SRR22131306
SRR22131307
SRR22131308
SRR22131309
SRR22131310
SRR22131311
SRR22131312
SRR22131313
SRR22131314
SRR22131315
SRR22131316
SRR22131317
SRR22131318
SRR22131319
SRR22131320
SRR22131321
SRR22131322
SRR22131323
SRR22131324
SRR22131325
SRR22131326
SRR22131327
SRR22131328
SRR22131329
SRR22131330
SRR22131331
SRR22131332
SRR22131333
SRR22131334
SRR22131335
SRR22131336
SRR22131337
SRR22131338
SRR22131339
SRR22131340
SRR22131341
SRR22131342
SRR22131343
SRR22131344
SRR22131345
SRR22131346
SRR22131347
SRR22131348
SRR22131349
SRR22131350
SRR22131351
SRR22131352
SRR22131353
SRR22131354
SRR22131355
SRR22131356
SRR22131357
SRR22131358
SRR22131359
SRR22131360
SRR22131361
SRR22131362
SRR22131363
SRR22131364
SRR22131365
SRR22131366
SRR22131367
SRR22131368
SRR22131369
SRR22131370
SRR22131371
SRR22131372
SRR22131373
SRR22131374
SRR22131375
SRR22131376
SRR22131377
SRR22131378
SRR22131379
SRR22131380
SRR22131381
SRR22131382
SRR22131383
SRR22131384
SRR22131385
SRR22131386
SRR22131387
SRR22131388
SRR22131389
SRR22131390
SRR22131391
SRR22131392
SRR22131393
SRR22131394
SRR22131395
SRR22131396
SRR22131397
SRR22131398
SRR22131399
SRR22131400
SRR22131401
SRR22131402
SRR22131403
SRR22131404
SRR22131405
SRR22131406
SRR22131407
SRR22131408
SRR22131409
SRR22131410
SRR22131411
SRR22131412
SRR22131413
SRR22131414
SRR22131415
SRR22131416
SRR22131417
SRR22131418
SRR22131419
SRR22131420
SRR22131421
SRR22131422
SRR22131423
SRR22131424
SRR22131425
SRR22131426
SRR22131427
SRR22131428
SRR22131429
SRR22131430
SRR22131431
SRR22131432
SRR22131433
SRR22131434
SRR22131435
SRR22131436
SRR22131437
SRR22131438
SRR22131439
SRR22131440
SRR22131441
SRR22131442
SRR22131443
SRR22131444
SRR22131445
SRR22131446
SRR22131447
SRR22131448
SRR22131449
SRR22131450
SRR22131451
SRR22131453
SRR22131454
SRR22131456
SRR22131457
SRR22131458
SRR22131459
SRR22131540
SRR22131573
SRR22131574
SRR22131620
SRR22131692
SRR22131763
SRR22131764
SRR22131923
SRR22131924
SRR22131925
SRR22131926
SRR22131927
SRR22131928
SRR22131929
SRR22131930
SRR22131931
SRR22131932
SRR22131933
SRR22131934
SRR22131935
SRR22131936
SRR22131937
SRR22131938
SRR22131939
SRR22131940
SRR22131941
SRR22131942
SRR22131943
SRR22131944
SRR22131945
SRR22131946
SRR22131947
SRR22131948
SRR22131949
SRR22131950
SRR22131951
SRR22131952
SRR22131953
SRR22131954
SRR22131955
SRR22131956
SRR22131957
SRR22131958
SRR22131959
SRR22131960
SRR22131961
SRR22131962
SRR22131963
SRR22131964
SRR22131965
SRR22131966
SRR22131967
SRR22131968
SRR22131969
SRR22131970
SRR22131971
SRR22131972
SRR22131973
SRR22131974
SRR22131975
SRR22131976
SRR22131977
SRR22131978
SRR22131979
SRR22131980
SRR22131981
SRR22131982
SRR22131983
SRR22131984
SRR22131985
SRR22131986
SRR22131987
SRR22131988
SRR22131989
SRR22131990
SRR22131991
SRR22131992
SRR22131993
SRR22131994
SRR22131995
SRR22131996
SRR22131997
SRR22131998
SRR22131999
SRR22132000
SRR22132001
SRR22132002
SRR22132003
SRR22132004
SRR22132005
SRR22132006
SRR22132007
SRR22132008
SRR22132009
SRR22132010
SRR22132011
SRR22132012
SRR22132013
SRR22132014
SRR22132015
SRR22132016
SRR22132017
SRR22132018
SRR22132019
SRR22132020
SRR22132021
SRR22132022
SRR22132023
SRR22132024
SRR22132025
SRR22132026
SRR22132027
SRR22132028
SRR22132029
SRR22132030
SRR22132031
SRR22132032
SRR22132033
SRR22132034
SRR22132035
SRR22132036
SRR22132037
SRR22132038
SRR22132039
SRR22132040
SRR22132041
SRR22132042
SRR22132043
SRR22132044
SRR22132045
SRR22132046
SRR22132047
SRR22132048
SRR22132049
SRR22132050
SRR22132051
SRR22132052
SRR22132053
SRR22132054
SRR22132055
SRR22132056
SRR22132057
SRR22132058
SRR22132059
SRR22132060_61
SRR22132062
SRR22132065
SRR22132066
SRR22132067
SRR22132068
SRR22132069
SRR22132070
SRR22132071
SRR22132072
SRR22132073
SRR22132074
SRR22132075
SRR22132076
SRR22132077
SRR22132078
SRR22132079
SRR22132080
SRR22132081
SRR22132082
SRR22132083
SRR22132084
SRR22132085
SRR22132086
SRR22132087
SRR22132088
SRR22132089
SRR22132090
SRR22132091
SRR22132092
SRR22132093
SRR22132094
SRR22132095
SRR22132096
SRR22132097
SRR22132098
SRR22132099
SRR22132100
SRR22132101
SRR22132102
SRR22132103
SRR22132104
SRR22132105
SRR22132106
SRR22132107
SRR22132108
SRR22132109
SRR22132110
SRR22132111
SRR22132112
SRR22132113
SRR22132114
SRR22132115
SRR22132116
SRR22132117
SRR22132118
SRR22132119
SRR22132120
SRR22132121
SRR22132122
SRR22132123
SRR22132124
SRR22132125
SRR22132126
SRR22132127
SRR22132128
SRR22132129
SRR22132130
SRR22132131
SRR22132132
SRR22132133
SRR22132134
SRR22132135
SRR22132136
SRR22132137
SRR22132138
SRR22132139
SRR22132140
SRR22132141
SRR22132142
SRR22132143
SRR22132144
SRR22132145
SRR22132146
SRR22132147
SRR22132148
SRR22132149
SRR22132150
SRR22132151
SRR22132152
SRR22132153
SRR22132154
SRR22132155
SRR22132156
SRR22132157
SRR22132158
SRR22132159
SRR22132160
SRR22132161
SRR22132162
SRR22132163
SRR22132164
SRR22132165
SRR22132166
SRR22132167
SRR22132168
SRR22132169
SRR22132170
SRR22132171
SRR22132172
SRR22132173
SRR22132174
SRR22132175
SRR22132176
SRR22132177
SRR22132178
SRR22132179
SRR22132180
SRR22132181
SRR22132182
SRR22132183
SRR22132184
SRR22132185
SRR22132186
SRR22132187
SRR22132188
SRR22132189
SRR22132190
SRR22132191
SRR22132192
SRR22132193
SRR22132194
SRR22132195
SRR22132196
SRR22132197
SRR22132198
SRR22132199
SRR22132200
SRR22132201
SRR22132202
SRR22132203
SRR22132204
SRR22132205
SRR22132206
SRR22132207
SRR22132208
SRR22132209
SRR22132210
SRR22132211
SRR22132212
SRR22132213
SRR22132214
SRR22132215
SRR22132216
SRR22132217
SRR22132218
SRR22132219
SRR22132220
SRR22132221
SRR22132222
SRR22132223
SRR22132224
SRR22132225
SRR22132226
SRR22132227
SRR22132228
SRR22132229
SRR22132230
SRR22132231
SRR22132232
SRR22132233
SRR22132234
SRR22132235
SRR22132236
SRR22132237
SRR22132238
SRR22132239
SRR22132240
SRR22132241
SRR22132242
SRR22132243
SRR22132244
SRR22132245
SRR22132246
SRR22132247
SRR22132248
SRR22132249
SRR22132250
SRR22132251
SRR22132252
SRR22132253
SRR22132254
SRR22132255
SRR22132256
SRR22132257
SRR22132258
SRR22132259
SRR22132260
SRR22132261
SRR22132262
SRR22132263
SRR22132264
SRR22132265
SRR22132266
SRR22132267
SRR22132268
SRR22132269
SRR22132270
SRR22132271
SRR22132272
SRR22132273
SRR22132274
SRR22132275
SRR22132276
SRR22132277
SRR22132278
SRR22132279
SRR22132280
SRR22132281
SRR22132282
SRR22132283
SRR22132284
SRR22132285
SRR22132286
SRR22132287
SRR22132288
SRR22132289
SRR22132290
SRR22132291
SRR22132292
SRR22132293
SRR22132294
SRR22132295
SRR22132296
SRR22132297
SRR22132298
SRR22132299
SRR22132300
SRR22132301
SRR22132302
SRR22132303
SRR22132304
SRR22132305
SRR22132306
SRR22132307
SRR22132308
SRR22132309
SRR22132310
SRR22132311
SRR22132312
SRR22132313
SRR22132314
SRR22132315
SRR22132316
SRR22132317
SRR22132318
SRR22132319
SRR22132320
SRR22132321
SRR22132322
SRR22132323
SRR22132324
SRR22132325
SRR22132326
SRR22132327
SRR22132328
SRR22132329
SRR22132330
SRR22132331
SRR22132332
SRR22132333
SRR22132334
SRR22132335
SRR22132336
SRR22132337
SRR22132338
SRR22132339
SRR22132340
SRR22132341
SRR22132342
SRR22132343
SRR22132344
SRR22132345
SRR22132346
SRR22132347
SRR22132348
SRR22132349
SRR22132350
SRR22132351
SRR22132352
SRR22132353
SRR22132354
SRR22132355
SRR22132356
SRR22132357
SRR22132358
SRR22132359
SRR22132360
SRR22132361
SRR22132362
SRR22132363
SRR22132364
SRR22132365
SRR22132366
SRR22132367
SRR22132368
SRR22132369
SRR22132370
SRR22132371
SRR22132372
SRR22132373
SRR22132374
SRR22132375
SRR22132376
SRR22132377
SRR22132378
SRR22132379
SRR22132380
SRR22132381
SRR22132382
SRR22132383
SRR22132384
SRR22132385
SRR22132386
SRR22132387
SRR22132388
SRR22132389
SRR22132390
SRR22132391
SRR22132392
SRR22132393
SRR22132394
SRR22132395
SRR22132396
SRR22132397
SRR22132398
SRR22132399
SRR22132400
SRR22132401
SRR22132402
SRR22132403
SRR22132404
SRR22132405
SRR22132406
SRR22132407
SRR22132408
SRR22132409
SRR22132410
SRR22132411
SRR22132412
SRR22132413
SRR22132414
SRR22132415
SRR22132416
SRR22132417
SRR22132418
SRR22132419
SRR22132420
SRR22132421
SRR22132422
SRR22132423
SRR22132424
SRR22132425
SRR22132426
SRR22132427
SRR22132428
SRR22132429
SRR22132430
SRR22132431
SRR22132432
SRR22132433
SRR22132434
SRR22132435
SRR22132436
SRR22132437
SRR22132438
SRR22132439
SRR22132440
SRR22132441
SRR22132442
SRR22132443
SRR22132444
SRR22132445
SRR22132446
SRR22132447
SRR22132448
SRR22132449
SRR22132450
SRR22132451
SRR22132453
SRR22132454
SRR22132456
SRR22132457
SRR22132458
SRR22132459
SRR22132540
SRR22132573
SRR22132574
SRR22132620
SRR22132692
SRR22132763
SRR22132764
SRR22132923
SRR22132924
SRR22132925
SRR22132926
SRR22132927
SRR22132928
SRR22132929
SRR22132930
SRR22132931
SRR22132932
SRR22132933
SRR22132934
SRR22132935
SRR22132936
SRR22132937
SRR22132938
SRR22132939
SRR22132940
SRR22132941
SRR22132942
SRR22132943
SRR22132944
SRR22132945
SRR22132946
SRR22132947
SRR22132948
SRR22132949
SRR22132950
SRR22132951
SRR22132952
SRR22132953
SRR22132954
SRR22132955
SRR22132956
SRR22132957
SRR22132958
SRR22132959
SRR22132960
SRR22132961
SRR22132962
SRR22132963
SRR22132964
SRR22132965
SRR22132966
SRR22132967
SRR22132968
SRR22132969
SRR22132970
SRR22132971
SRR22132972
SRR22132973
SRR22132974
SRR22132975
SRR22132976
SRR22132977
SRR22132978
SRR22132979
SRR22132980
SRR22132981
SRR22132982
SRR22132983
SRR22132984
SRR22132985
SRR22132986
SRR22132987
SRR22132988
SRR22132989
SRR22132990
SRR22132991
SRR22132992
SRR22132993
SRR22132994
SRR22132995
SRR22132996
SRR22132997
SRR22132998
SRR22132999
SRR22133000
SRR22133001
SRR22133002
SRR22133003
SRR22133004
SRR22133005
SRR22133006
SRR22133007
SRR22133008
SRR22133009
SRR22133010
SRR22133011
SRR22133012
SRR22133013
SRR22133014
SRR22133015
SRR22133016
SRR22133017
SRR22133018
SRR22133019
SRR22133020
SRR22133021
SRR22133022
SRR22133023
SRR22133024
SRR22133025
SRR22133026
SRR22133027
SRR22133028
SRR22133029
SRR22133030
SRR22133031
SRR22133032
SRR22133033
SRR22133034
SRR22133035
SRR22133036
SRR22133037
SRR22133038
SRR22133039
SRR22133040
SRR22133041
SRR22133042
SRR22133043
SRR22133044
SRR22133045
SRR22133046
SRR22133047
SRR22133048
SRR22133049
SRR22133050
SRR22133051
SRR22133052
SRR22133053
SRR22133054
SRR22133055
SRR22133056
SRR22133057
SRR22133058
SRR22133059
SRR22133060
SRR22133061
SRR22133062
SRR22133063
SRR22133064
SRR22133065
SRR22133066
SRR22133067
SRR22133068
SRR22133069
SRR22133070
SRR22133071
SRR22133072
SRR22133073
SRR22133074
SRR22133075
SRR22133076
SRR22133077
SRR22133078
SRR22133079
SRR22133080
SRR22133081
SRR22133082
SRR22133083
SRR22133084
SRR22133085
SRR22133086
SRR22133087
SRR22133088
SRR22133089
SRR22133090
SRR22133091
SRR22133092
SRR22133093
SRR22133094
SRR22133095
SRR22133096
SRR22133097
SRR22133098
SRR22133099
SRR22133100
SRR22133101
SRR22133102
SRR22133103
SRR22133104
SRR22133105
SRR22133106
SRR22133107
SRR22133108
SRR22133109
SRR22133110
SRR22133111
SRR22133112
SRR22133113
SRR22133114
SRR22133115
SRR22133116
SRR22133117
SRR22133118
SRR22133119
SRR22133120
SRR22133121
SRR22133122
SRR22133123
SRR22133124
SRR22133125
SRR22133126
SRR22133127
SRR22133128
SRR22133129
SRR22133130
SRR22133131
SRR22133132
SRR22133133
SRR22133134
SRR22133135
SRR22133136
SRR22133137
SRR22133138
SRR22133139
SRR22133140
SRR22133141
SRR22133142
SRR22133143
SRR22133144
SRR22133145
SRR22133146
SRR22133147
SRR22133148
SRR22133149
SRR22133150
SRR22133151
SRR22133152
SRR22133153
SRR22133154
SRR22133155
SRR22133156
SRR22133157
SRR22133158
SRR22133159
SRR22133160
SRR22133161
SRR22133162
SRR22133163
SRR22133164
SRR22133165
SRR22133166
SRR22133167
SRR22133168
SRR22133169
SRR22133170
SRR22133171
SRR22133172
SRR22133173
SRR22133174
SRR22133175
SRR22133176
SRR22133177
SRR22133178
SRR22133179
SRR22133180
SRR22133181
SRR22133182
SRR22133183
SRR22133184
SRR22133185
SRR22133186
SRR22133187
SRR22133188
SRR22133189
SRR22133190
SRR22133191
SRR22133192
SRR22133193
SRR22133194
SRR22133195
SRR22133196
SRR22133197
SRR22133198
SRR22133199
SRR22133200
SRR22133201
SRR22133202
SRR22133203
SRR22133204
SRR22133205
SRR22133206
SRR22133207
SRR22133208
SRR22133209
SRR22133210
SRR22133211
SRR22133212
SRR22133213
SRR22133214
SRR22133215
SRR22133216
SRR22133217
SRR22133218
SRR22133219
SRR22133220
SRR22133221
SRR22133222
SRR22133223
SRR22133224
SRR22133225
SRR22133226
SRR22133227
SRR22133228
SRR22133229
SRR22133230
SRR22133231
SRR22133232
SRR22133233
SRR22133234
SRR22133235
SRR22133236
SRR22133237
SRR22133238
SRR22133239
SRR22133240
SRR22133241
SRR22133242
SRR22133243
SRR22133244
SRR22133245
SRR22133246
SRR22133247
SRR22133248
SRR22133249
SRR22133250
SRR22133251
SRR22133252
SRR22133253
SRR22133254
SRR22133255
SRR22133256
SRR22133257
SRR22133258
SRR22133259
SRR22133260
SRR22133261
SRR22133262
SRR22133263
SRR22133264
SRR22133265
SRR22133266
SRR22133267
SRR22133268
SRR22133269
SRR22133270
SRR22133271
SRR22133272
SRR22133273
SRR22133274
SRR22133275
SRR22133276
SRR22133277
SRR22133278
SRR22133279
SRR22133280
SRR22133281
SRR22133282
SRR22133283
SRR22133284
SRR22133285
SRR22133286
SRR22133287
SRR22133288
SRR22133289
SRR22133290
SRR22133291
SRR22133292
SRR22133293
SRR22133294
SRR22133295
SRR22133296
SRR22133297
SRR22133298
SRR22133299
SRR22133300
SRR22133301
SRR22133302
SRR22133303
SRR22133304
SRR22133305
SRR22133306
SRR22133307
SRR22133308
SRR22133309
SRR22133310
SRR22133311
SRR22133312
SRR22133313
SRR22133314
SRR22133315
SRR22133316
SRR22133317
SRR22133318
SRR22133319
SRR22133320
SRR22133321
SRR22133322
SRR22133323
SRR22133324
SRR22133325
SRR22133326
SRR22133327
SRR22133328
SRR22133329
SRR22133330
SRR22133331
SRR22133332
SRR22133333
SRR22133334
SRR22133335
SRR22133336
SRR22133337
SRR22133338
SRR22133339
SRR22133340
SRR22133341
SRR22133342
SRR22133343
SRR22133344
SRR22133345
SRR22133346
SRR22133347
SRR22133348
SRR22133349
SRR22133350
SRR22133351
SRR22133352
SRR22133353
SRR22133354
SRR22133355
SRR22133356
SRR22133357
SRR22133358
SRR22133359
SRR22133360
SRR22133361
SRR22133362
SRR22133363
SRR22133364
SRR22133365
SRR22133366
SRR22133367
SRR22133368
SRR22133369
SRR22133370
SRR22133371
SRR22133372
SRR22133373
SRR22133374
SRR22133375
SRR22133376
SRR22133377
SRR22133378
SRR22133379
SRR22133380
SRR22133381
SRR22133382
SRR22133383
SRR22133384
SRR22133385
SRR22133386
SRR22133387
SRR22133388
SRR22133389
SRR22133390
SRR22133391
SRR22133392
SRR22133393
SRR22133394
SRR22133395
SRR22133396
SRR22133397
SRR22133398
SRR22133399
SRR22133400
SRR22133401
SRR22133402
SRR22133403
SRR22133404
SRR22133405
SRR22133406
SRR22133407
SRR22133408
SRR22133409
SRR22133410
SRR22133411
SRR22133412
SRR22133413
SRR22133414
SRR22133415
SRR22133416
SRR22133417
SRR22133418
SRR22133419
SRR22133420
SRR22133421
SRR22133422
SRR22133423
SRR22133424
SRR22133425
SRR22133426
SRR22133427
SRR22133428
SRR22133429
SRR22133430
SRR22133431
SRR22133432
SRR22133433
SRR22133434
SRR22133435
SRR22133436
SRR22133437
SRR22133438
SRR22133439
SRR22133440
SRR22133441
SRR22133442
SRR22133443
SRR22133444
SRR22133445
SRR22133446
SRR22133447
SRR22133448
SRR22133449
SRR22133450
SRR22133451
SRR22133453
SRR22133454
SRR22133456
SRR22133457
SRR22133458
SRR22133459
SRR22133540
SRR22133573
SRR22133574
SRR22133620
SRR22133692
SRR22133763
SRR22133764
SRR22133923
SRR22133924
SRR22133925
SRR22133926
SRR22133927
SRR22133928
SRR22133929
SRR22133930
SRR22133931
SRR22133932
SRR22133933
SRR22133934
SRR22133935
SRR22133936
SRR22133937
SRR22133938
SRR22133939
SRR22133940
SRR22133941
SRR22133942
SRR22133943
SRR22133944
SRR22133945
SRR22133946
SRR22133947
SRR22133948
SRR22133949
SRR22133950
SRR22133951
SRR22133952
SRR22133953
SRR22133954
SRR22133955
SRR22133956
SRR22133957
SRR22133958
SRR22133959
SRR22133960
SRR22133961
SRR22133962
SRR22133963
SRR22133964
SRR22133965
SRR22133966
SRR22133967
SRR22133968
SRR22133969
SRR22133970
SRR22133971
SRR22133972
SRR22133973
SRR22133974
SRR22133975
SRR22133976
SRR22133977
SRR22133978
SRR22133979
SRR22133980
SRR22133981
SRR22133982
SRR22133983
SRR22133984
SRR22133985
SRR22133986
SRR22133987
SRR22133988
SRR22133989
SRR22133990
SRR22133991
SRR22133992
SRR22133993
SRR22133994
SRR22133995
SRR22133996
SRR22133997
SRR22133998
SRR22133999
SRR22134000
SRR22134001
SRR22134002
SRR22134003
SRR22134004
SRR22134005
SRR22134006
SRR22134007
SRR22134008
SRR22134009
SRR22134010
SRR22134011
SRR22134012
SRR22134013
SRR22134014
SRR22134015
SRR22134016
SRR22134017
SRR22134018
SRR22134019
SRR22134020
SRR22134021
SRR22134022
SRR22134023
SRR22134024
SRR22134025
SRR22134026
SRR22134027
SRR22134028
SRR22134029
SRR22134030
SRR22134031
SRR22134032
SRR22134033
SRR22134034
SRR22134035
SRR22134036
SRR22134037
SRR22134038
SRR22134039
SRR22134040
SRR22134041
SRR22134042
SRR22134043
SRR22134044
SRR22134045
SRR22134046
SRR22134047
SRR22134048
SRR22134049
SRR22134050
SRR22134051
SRR22134052
SRR22134053
SRR22134054
SRR22134055
SRR22134056
SRR22134057
SRR22134058
SRR22134059
SRR22134060
SRR22134061
SRR22134062
SRR22134063
SRR22134064
SRR22134065
SRR22134066
SRR22134067
SRR22134068
SRR22134069
SRR22134070
SRR22134071
SRR22134072
SRR22134073
SRR22134074
SRR22134075
SRR22134076
SRR22134077
SRR22134078
SRR22134079
SRR22134080
SRR22134081
SRR22134082
SRR22134083
SRR22134084
SRR22134085
SRR22134086
SRR22134087
SRR22134088
SRR22134089
SRR22134090
SRR22134091
SRR22134092
SRR22134093
SRR22134094
SRR22134095
SRR22134096
SRR22134097
SRR22134098
SRR22134099
SRR22134100
SRR22134101
SRR22134102
SRR22134103
SRR22134104
SRR22134105
SRR22134106
SRR22134107
SRR22134108
SRR22134109
SRR22134110
SRR22134111
SRR22134112
SRR22134113
SRR22134114
SRR22134115
SRR22134116
SRR22134117
SRR22134118
SRR22134119
SRR22134120
SRR22134121
SRR22134122
SRR22134123
SRR22134124
SRR22134125
SRR22134126
SRR22134127
SRR22134128
SRR22134129
SRR22134130
SRR22134131
SRR22134132
SRR22134133
SRR22134134
SRR22134135
SRR22134136
SRR22134137
SRR22134138
SRR22134139
SRR22134140
SRR22134141
SRR22134142
SRR22134143
SRR22134144
SRR22134145
SRR22134146
SRR22134147
SRR22134148
SRR22134149
SRR22134150
SRR22134151
SRR22134152
SRR22134153
SRR22134154
SRR22134155
SRR22134156
SRR22134157
SRR22134158
SRR22134159
SRR22134160
SRR22134161
SRR22134162
SRR22134163
SRR22134164
SRR22134165
SRR22134166
SRR22134167
SRR22134168
SRR22134169
SRR22134170
SRR22134171
SRR22134172
SRR22134173
SRR22134174
SRR22134175
SRR22134176
SRR22134177
SRR22134178
SRR22134179
SRR22134180
SRR22134181
SRR22134182
SRR22134183
SRR22134184
SRR22134185
SRR22134186
SRR22134187
SRR22134188
SRR22134189
SRR22134190
SRR22134191
SRR22134192
SRR22134193
SRR22134194
SRR22134195
SRR22134196
SRR22134197
SRR22134198
SRR22134199
SRR22134200
SRR22134201
SRR22134202
SRR22134203
SRR22134204
SRR22134205
SRR22134206
SRR22134207
SRR22134208
SRR22134209
SRR22134210
SRR22134211
SRR22134212
SRR22134213
SRR22134214
SRR22134215
SRR22134216
SRR22134217
SRR22134218
SRR22134219
SRR22134220
SRR22134221
SRR22134222
SRR22134223
SRR22134224
SRR22134225
SRR22134226
SRR22134227
SRR22134228
SRR22134229
SRR22134230
SRR22134231
SRR22134232
SRR22134233
SRR22134234
SRR22134235
SRR22134236
SRR22134237
SRR22134238
SRR22134239
SRR22134240
SRR22134241
SRR22134242
SRR22134243
SRR22134244
SRR22134245
SRR22134246
SRR22134247
SRR22134248
SRR22134249
SRR22134250
SRR22134251
SRR22134252
SRR22134253
SRR22134254
SRR22134255
SRR22134256
SRR22134257
SRR22134258
SRR22134259
SRR22134260
SRR22134261
SRR22134262
SRR22134263
SRR22134264
SRR22134265
SRR22134266
SRR22134267
SRR22134268
SRR22134269
SRR22134270
SRR22134271
SRR22134272
SRR22134273
SRR22134274
SRR22134275
SRR22134276
SRR22134277
SRR22134278
SRR22134279
SRR22134280
SRR22134281
SRR22134282
SRR22134283
SRR22134284
SRR22134285
SRR22134286
SRR22134287
SRR22134288
SRR22134289
SRR22134290
SRR22134291
SRR22134292
SRR22134293
SRR22134294
SRR22134295
SRR22134296
SRR22134297
SRR22134298
SRR22134299
SRR22134300
SRR22134301
SRR22134302
SRR22134303
SRR22134304
SRR22134305
SRR22134306
SRR22134307
SRR22134308
SRR22134309
SRR22134310
SRR22134311
SRR22134312
SRR22134313
SRR22134314
SRR22134315
SRR22134316
SRR22134317
SRR22134318
SRR22134319
SRR22134320
SRR22134321
SRR22134322
SRR22134323
SRR22134324
SRR22134325
SRR22134326
SRR22134327
SRR22134328
SRR22134329
SRR22134330
SRR22134331
SRR22134332
SRR22134333
SRR22134334
SRR22134335
SRR22134336
SRR22134337
SRR22134338
SRR22134339
SRR22134340
SRR22134341
SRR22134342
SRR22134343
SRR22134344
SRR22134345
SRR22134346
SRR22134347
SRR22134348
SRR22134349
SRR22134350
SRR22134351
SRR22134352
SRR22134353
SRR22134354
SRR22134355
SRR22134356
SRR22134357
SRR22134358
SRR22134359
SRR22134360
SRR22134361
SRR22134362
SRR22134363
SRR22134364
SRR22134365
SRR22134366
SRR22134367
SRR22134368
SRR22134369
SRR22134370
SRR22134371
SRR22134372
SRR22134373
SRR22134374
SRR22134375
SRR22134376
SRR22134377
SRR22134378
SRR22134379
SRR22134380
SRR22134381
SRR22134382
SRR22134383
SRR22134384
SRR22134385
SRR22134386
SRR22134387
SRR22134388
SRR22134389
SRR22134390
SRR22134391
SRR22134392
SRR22134393
SRR22134394
SRR22134395
SRR22134396
SRR22134397
SRR22134398
SRR22134399
SRR22134400
SRR22134401
SRR22134402
SRR22134403
SRR22134404
SRR22134405
SRR22134406
SRR22134407
SRR22134408
SRR22134409
SRR22134410
SRR22134411
SRR22134412
SRR22134413
SRR22134414
SRR22134415
SRR22134416
SRR22134417
SRR22134418
SRR22134419
SRR22134420
SRR22134421
SRR22134422
SRR22134423
SRR22134424
SRR22134425
SRR22134426
SRR22134427
SRR22134428
SRR22134429
SRR22134430
SRR22134431
SRR22134432
SRR22134433
SRR22134434
SRR22134435
SRR22134436
SRR22134437
SRR22134438
SRR22134439
SRR22134440
SRR22134441
SRR22134442
SRR22134443
SRR22134444
SRR22134445
SRR22134446
SRR22134447
SRR22134448
SRR22134449
SRR22134450
SRR22134451
SRR22134453
SRR22134454
SRR22134456
SRR22134457
SRR22134458
SRR22134459
SRR22134540
SRR22134573
SRR22134574
SRR22134620
SRR22134692
SRR22134763
SRR22134764
SRR22134923
SRR22134924
SRR22134925
SRR22134926
SRR22134927
SRR22134928
SRR22134929
SRR22134930
SRR22134931
SRR22134932
SRR22134933
SRR22134934
SRR22134935
SRR22134936
SRR22134937
SRR22134938
SRR22134939
SRR22134940
SRR22134941
SRR22134942
SRR22134943
SRR22134944
SRR22134945
SRR22134946
SRR22134947
SRR22134948
SRR22134949
SRR22134950
SRR22134951
SRR22134952
SRR22134953
SRR22134954
SRR22134955
SRR22134956
SRR22134957
SRR22134958
SRR22134959
SRR22134960
SRR22134961
SRR22134962
SRR22134963
SRR22134964
SRR22134965
SRR22134966
SRR22134967
SRR22134968
SRR22134969
SRR22134970
SRR22134971
SRR22134972
SRR22134973
SRR22134974
SRR22134975
SRR22134976
SRR22134977
SRR22134978
SRR22134979
SRR22134980
SRR22134981
SRR22134982
SRR22134983
SRR22134984
SRR22134985
SRR22134986
SRR22134987
SRR22134988
SRR22134989
SRR22134990
SRR22134991
SRR22134992
SRR22134993
SRR22134994
SRR22134995
SRR22134996
SRR22134997
SRR22134998
SRR22134999
SRR22135000
SRR22135001
SRR22135002
SRR22135003
SRR22135004
SRR22135005
SRR22135006
SRR22135007
SRR22135008
SRR22135009
SRR22135010
SRR22135011
SRR22135012
SRR22135013
SRR22135014
SRR22135015
SRR22135016
SRR22135017
SRR22135018
SRR22135019
SRR22135020
SRR22135021
SRR22135022
SRR22135023
SRR22135024
SRR22135025
SRR22135026
SRR22135027
SRR22135028
SRR22135029
SRR22135030
SRR22135031
SRR22135032
SRR22135033
SRR22135034
SRR22135035
SRR22135036
SRR22135037
SRR22135038
SRR22135039
SRR22135040
SRR22135041
SRR22135042
SRR22135043
SRR22135044
SRR22135045
SRR22135046
SRR22135047
SRR22135048
SRR22135049
SRR22135050
SRR22135051
SRR22135052
SRR22135053
SRR22135054
SRR22135055
SRR22135056
SRR22135057
SRR22135058
SRR22135059
SRR22135060
SRR22135061
SRR22135062
SRR22135063
SRR22135064
SRR22135065
SRR22135066
SRR22135067
SRR22135068
SRR22135069
SRR22135070
SRR22135071
SRR22135072
SRR22135073
SRR22135074
SRR22135075
SRR22135076
SRR22135077
SRR22135078
SRR22135079
SRR22135080
SRR22135081
SRR22135082
SRR22135083
SRR22135084
SRR22135085
SRR22135086
SRR22135087
SRR22135088
SRR22135089
SRR22135090
SRR22135091
SRR22135092
SRR22135093
SRR22135094
SRR22135095
SRR22135096
SRR22135097
SRR22135098
SRR22135099
SRR22135100
SRR22135101
SRR22135102
SRR22135103
SRR22135104
SRR22135105
SRR22135106
SRR22135107
SRR22135108
SRR22135109
SRR22135110
SRR22135111
SRR22135112
SRR22135113
SRR22135114
SRR22135115
SRR22135116
SRR22135117
SRR22135118
SRR22135119
SRR22135120
SRR22135121
SRR22135122
SRR22135123
SRR22135124
SRR22135125
SRR22135126
SRR22135127
SRR22135128
SRR22135129
SRR22135130
SRR22135131
SRR22135132
SRR22135133
SRR22135134
SRR22135135
SRR22135136
SRR22135137
SRR22135138
SRR22135139
SRR22135140
SRR22135141
SRR22135142
SRR22135143
SRR22135144
SRR22135145
SRR22135146
SRR22135147
SRR22135148
SRR22135149
SRR22135150
SRR22135151
SRR22135152
SRR22135153
SRR22135154
SRR22135155
SRR22135156
SRR22135157
SRR22135158
SRR22135159
SRR22135160
SRR22135161
SRR22135162
SRR22135163
SRR22135164
SRR22135165
SRR22135166
SRR22135167
SRR22135168
SRR22135169
SRR22135170
SRR22135171
SRR22135172
SRR22135173
SRR22135174
SRR22135175
SRR22135176
SRR22135177
SRR22

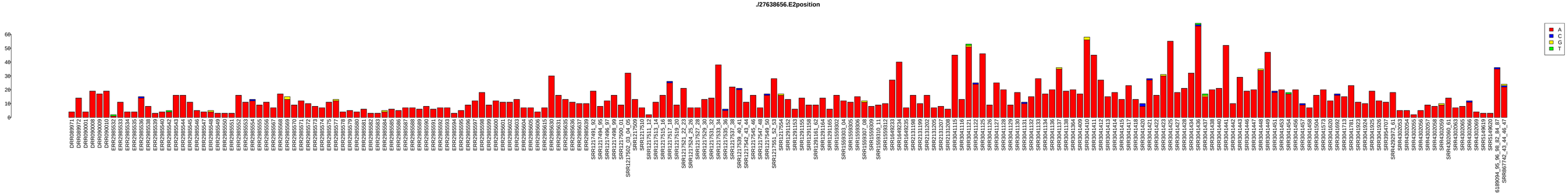

./27638651.E2position
A
C
G
T


./27638652.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174496_95
SRR12174498_97
SRR12174498_99
SRR12177500_01
SRR12177500_03_04_05
SRR12177509
SRR12177510_10
SRR12177511_12
SRR12177513_14
SRR12177515_16
SRR12177517_18
SRR12177519_20
SRR12177521_22_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177542_43_44
SRR12177545_46
SRR12177547_48
SRR12177549_50
SRR12177551_52_53
SRR12177554_55_56
SRR12178752
SRR12191152
SRR12191153
SRR12191155
SRR12191158
SRR12191161_162
SRR12191164
SRR12191165
SRR11593902
SRR11593903_04
SRR11593905
SRR11593906
SRR11593907_08
SRR11593909
SRR11593910_11
SRR11593912_13
SRR11593923
SRR11649234
SRR11649235
SRR12131198
SRR12131199
SRR12131202
SRR12131205
SRR12131207
SRR12131208
SRR12131209
SRR12131210
SRR12131211
SRR12131212
SRR12131213
SRR12131214
SRR12131215
SRR12131216
SRR12131217
SRR12131218
SRR12131219
SRR12131220
SRR12131221
SRR12131222
SRR12131223
SRR12131224
SRR12131225
SRR12131226
SRR12131227
SRR12131228
SRR12131229
SRR12131230
SRR12131231
SRR12131232
SRR12131233
SRR12131234
SRR12131235
SRR12131236
SRR12131237
SRR12131238
SRR12131239
SRR12131384
SRR12131409
SRR12131410
SRR12131411
SRR12131412
SRR12131413
SRR12131414
SRR12131415
SRR12131417
SRR12131418
SRR12131420
SRR12131421
SRR12131422
SRR12131423
SRR12131425
SRR12131427
SRR12131428
SRR12131434
SRR12131436
SRR12131437
SRR12131438
SRR12131439
SRR12131440
SRR12131441
SRR12131442
SRR12131443
SRR12131446
SRR12131447
SRR12131448
SRR12131449
SRR12131451
SRR12131453
SRR12131454
SRR12131456
SRR12131457
SRR12131506
SRR12131540
SRR12131573
SRR12131620
SRR12131692
SRR12131763
SRR12131783
SRR12131923
SRR12131924
SRR12131925
SRR12131926
SRR12131927
SRR12132707
SRR12132713_61
SRR14302053
SRR14302054
SRR14302055
SRR14302056
SRR14302057
SRR14302058
SRR14302059
SRR14302060_61
SRR14302063
SRR14302065
SRR14302066
SRR14302069
SRR15146615
SRR15146616
SRR16189094_95_96_98_82_84_87
SRR16877 42_43_44_46_47

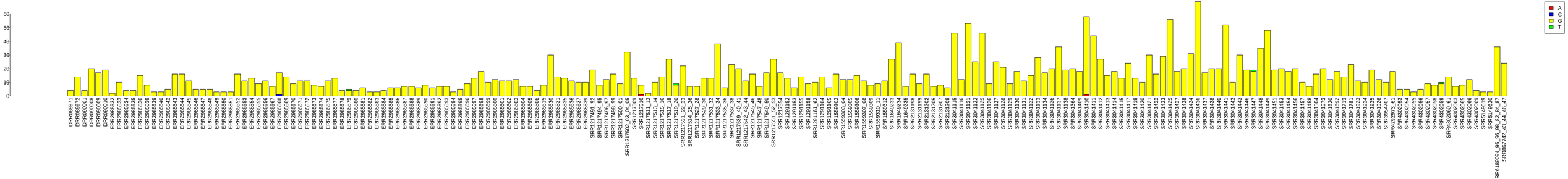

./27638653.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174496_95
SRR12174498_97
SRR12174498_99
SRR12177500_01
SRR12177500_03_04_05
SRR12177500_06
SRR12177500_07
SRR12177500_09
SRR12177500_10
SRR12177500_11
SRR12177500_12
SRR12177500_13
SRR12177500_14
SRR12177500_15
SRR12177500_16
SRR12177500_17
SRR12177500_18
SRR12177500_19
SRR12177500_20
SRR12177500_21
SRR12177500_22
SRR12177500_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177542_43_44
SRR12177545_46
SRR12177547_48
SRR12177549_50
SRR12177551_52_53
SRR12177554_55_56
SRR12178152
SRR12178153
SRR12178155
SRR12178158
SRR12178161
SRR12178164
SRR12178165
SRR12178167
SRR12178168
SRR12178169
SRR12178170
SRR12178171
SRR12178172
SRR12178173
SRR12178174
SRR12178175
SRR12178176
SRR12178177
SRR12178178
SRR12178179
SRR12178180
SRR12178181
SRR12178182
SRR12178183
SRR12178184
SRR12178185
SRR12178186
SRR12178187
SRR12178188
SRR12178189
SRR12178190
SRR12178191
SRR12178192
SRR12178193
SRR12178194
SRR12178195
SRR12178196
SRR12178197
SRR12178198
SRR12178199
SRR12178200
SRR12178201
SRR12178202
SRR12178203
SRR12178204
SRR12178205
SRR12178206


./27638654.E2position
A
C
G
T

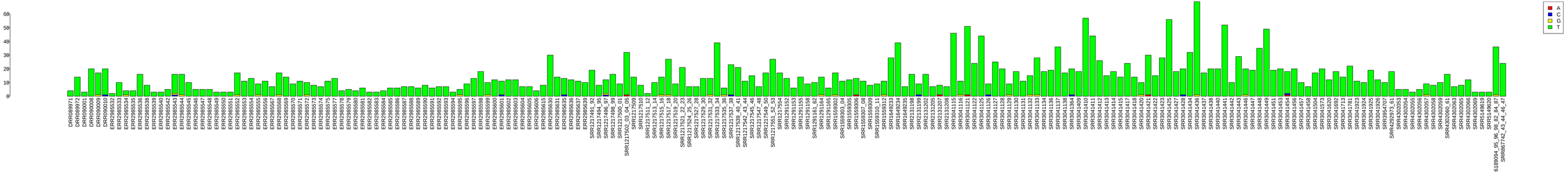

./27638655.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985531
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12127491_92
SRR12127494_95
SRR12127498_99
SRR12127500_01
SRR12127500_03_04_05
SRR12127509_10
SRR12127511_12
SRR12127513_14
SRR12127515_16
SRR12127517_18
SRR12127519_20
SRR12127521_22_23
SRR12127524_25_26
SRR12127527_28
SRR12127529_30
SRR12127531_32
SRR12127533_34
SRR12127535_36
SRR12127537_38
SRR12127539_40_41
SRR12127543_44
SRR12127545_46
SRR12127547_48
SRR12127549_50
SRR12127551_52_53
SRR12127554_55
SRR12129152
SRR12129153
SRR12129155
SRR12129158
SRR12129161_63
SRR12129164
SRR12129165
SRR15593002
SRR15593003_04
SRR15593005
SRR15593006
SRR15593007_08
SRR15593309
SRR15593310_11
SRR15593312_13
SRR16649233
SRR16649234
SRR16649235
SRR22131198
SRR22131202
SRR22131206
SRR22131207
SRR22131208
SRR22131209
SRR23111115
SRR23041121
SRR23041122
SRR23041125
SRR23041126
SRR23041127
SRR23041128
SRR23041129
SRR23041130
SRR23041131
SRR23041132
SRR23041133
SRR23041134
SRR23041136
SRR23041137
SRR23041138
SRR23041384
SRR23041409
SRR23041410
SRR23041411
SRR23041412
SRR23041413
SRR23041414
SRR23041415
SRR23041417
SRR23041418
SRR23041420
SRR23041421
SRR23041422
SRR23041425
SRR23041427
SRR23041428
SRR23041434
SRR23041436
SRR23041437
SRR23041438
SRR23041440
SRR23041441
SRR23041442
SRR23041443
SRR23041446
SRR23041447
SRR23041448
SRR23041449
SRR23041451
SRR23041453
SRR23041454
SRR23041456
SRR23041457
SRR23041458
SRR23041504
SRR23041573
SRR23041620
SRR23041692
SRR23041713
SRR23041761
SRR23041923
SRR23041924
SRR23041925
SRR23041926
SRR23041927
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5148615
SRR5148616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

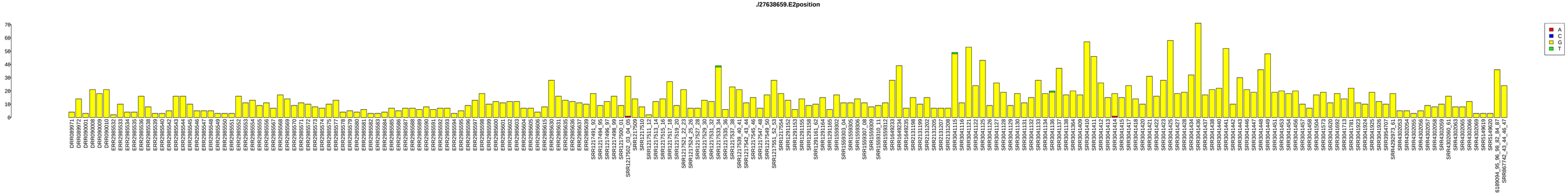

./27638656.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554_55
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041114
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041459
SRR3041540
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041783
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

./27638657.E2position

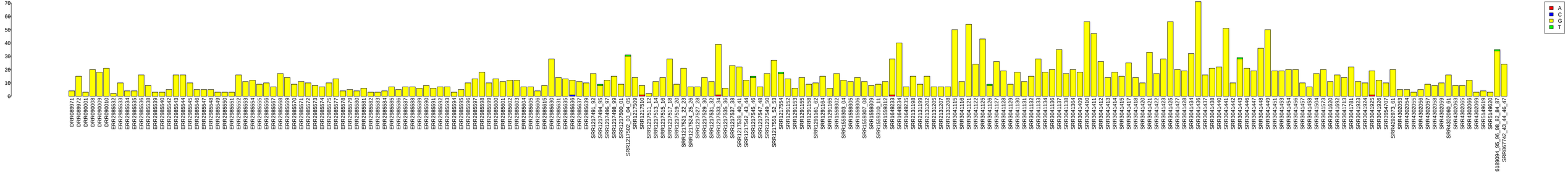


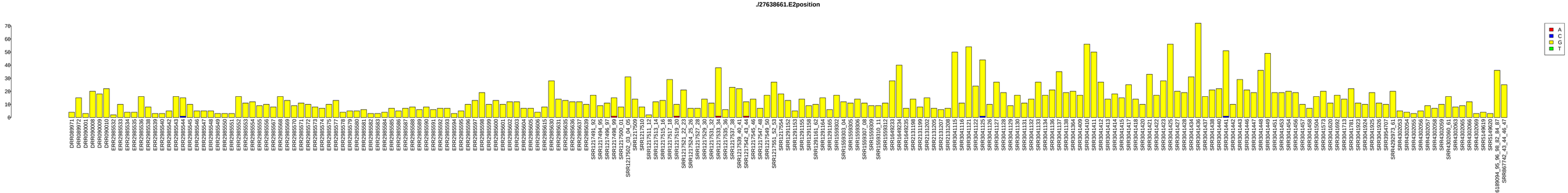
./27638658.E2position

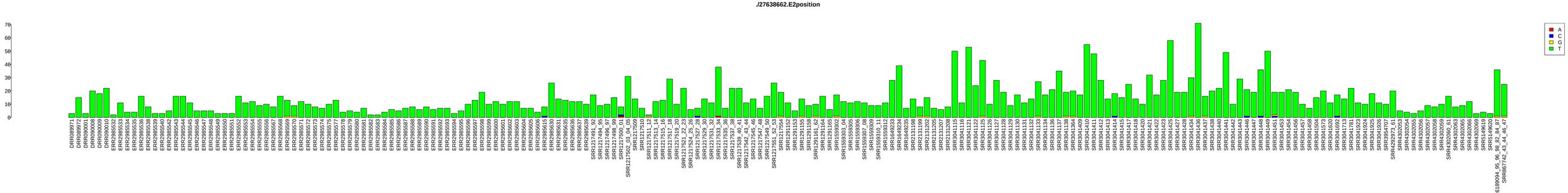



./27638659.E2position
A
C
G
T

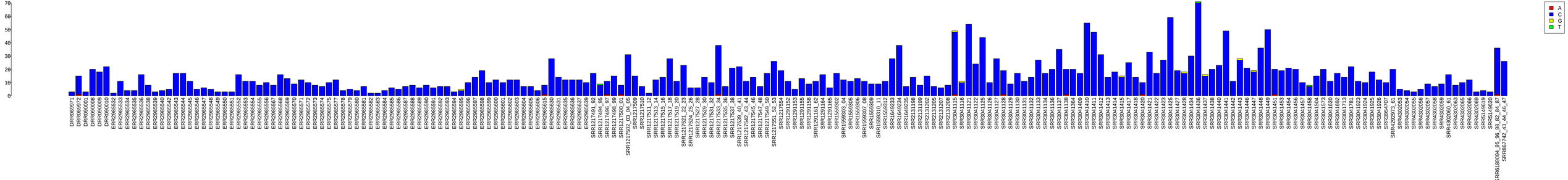
./27638660.E2position

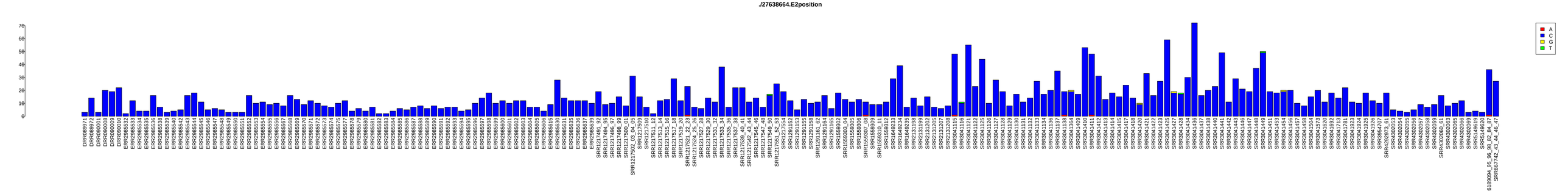


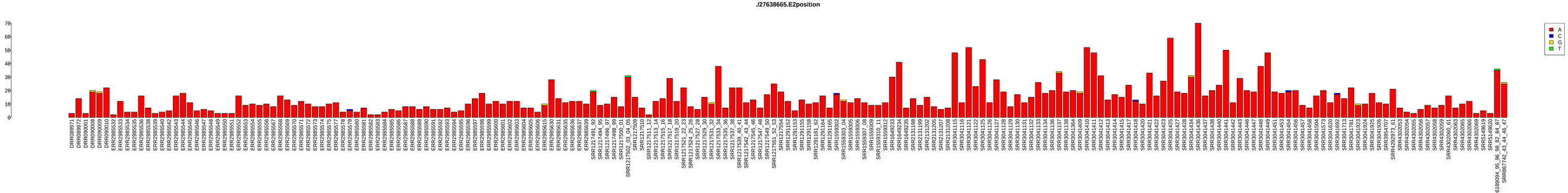

./27638661.E2position
0
10
20
30
40
50
60
70
A
C
G
T

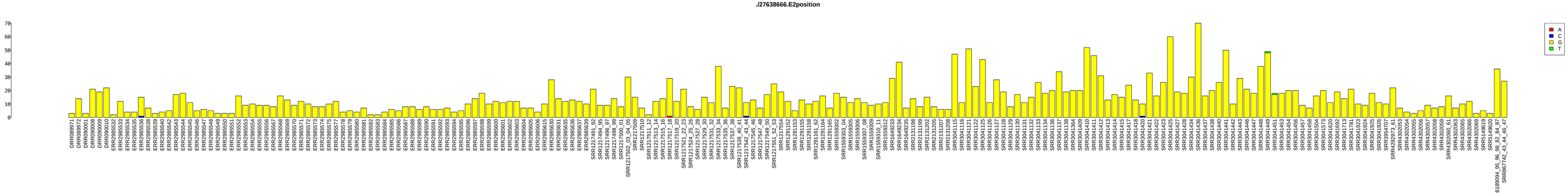

./27638662.E2position
A
C
G
T

./27638663.E2position

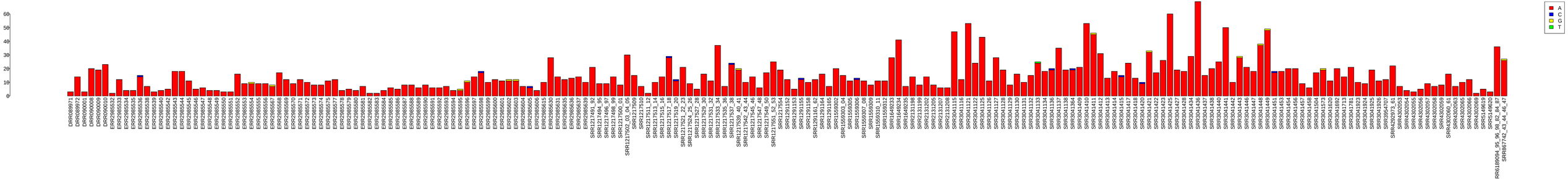


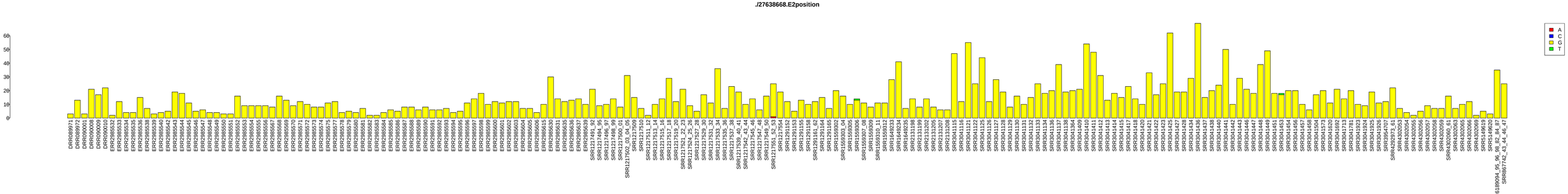

./27638664.E2position
A
C
G
T

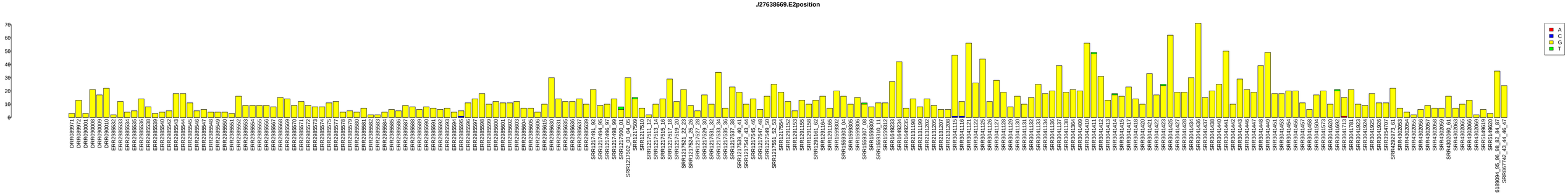

./27638665.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985560
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174494_95
SRR12174496_97
SRR12174498_99
SRR12174500_01
SRR12174500_03_04_05
SRR12174509
SRR12174510
SRR12174511_12
SRR12174513_14
SRR12174515_16
SRR12174517_18
SRR12174519_20
SRR12174521_22_23
SRR12174524_25_26
SRR12174527_28
SRR12174529_30
SRR12174531_32
SRR12174533_34
SRR12174535_36
SRR12174537_38
SRR12174539_40_41
SRR12174543_44
SRR12174545_46
SRR12174547_48
SRR12174549_50
SRR12174551_52_53
SRR12174554_55_56
SRR12291152
SRR12291153
SRR12291155
SRR12291158
SRR12291161
SRR12291164
SRR12291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR2131210
SRR2131212
SRR2131215
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041135
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041540
SRR3041544
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041733
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

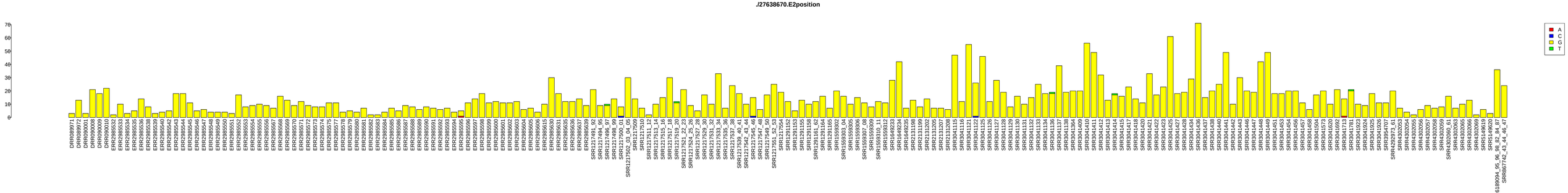

./27638666.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174494_95
SRR12174496_97
SRR12174498_99
SRR12177500_01
SRR12177500_03_04_05
SRR12177509
SRR12177510_11
SRR12177511_12
SRR12177513_14
SRR12177515_16
SRR12177517_18
SRR12177519_20
SRR12177521_22_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177542_43_44
SRR12177545_46
SRR12177547_48
SRR12177549_50
SRR12177551_52_53
SRR12177554_55
SRR12291152
SRR12291153
SRR12291155
SRR12291158
SRR12291161
SRR12291164
SRR12291165
SRR15593002
SRR15593003_04
SRR15593005
SRR15593006
SRR15593007_08
SRR15593309
SRR15593310_11
SRR15593312_13
SRR16649233
SRR16649234
SRR16649235
SRR22131198
SRR22131202
SRR22131205
SRR22131207
SRR22131208
SRR22131210
SRR23041115
SRR23041121
SRR23041122
SRR23041125
SRR23041126
SRR23041127
SRR23041128
SRR23041129
SRR23041130
SRR23041131
SRR23041132
SRR23041133
SRR23041134
SRR23041136
SRR23041137
SRR23041138
SRR23041384
SRR23041409
SRR23041410
SRR23041411
SRR23041412
SRR23041413
SRR23041414
SRR23041415
SRR23041417
SRR23041419
SRR23041420
SRR23041421
SRR23041422
SRR23041425
SRR23041426
SRR23041427
SRR23041428
SRR23041434
SRR23041436
SRR23041437
SRR23041438
SRR23041440
SRR23041441
SRR23041442
SRR23041443
SRR23041446
SRR23041447
SRR23041448
SRR23041449
SRR23041451
SRR23041453
SRR23041454
SRR23041456
SRR23041457
SRR23041506
SRR23041524
SRR23041573
SRR23041620
SRR23041692
SRR23041713
SRR23041753
SRR23041923
SRR23041924
SRR23041925
SRR23041926
SRR23041927
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146618
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27638667.E2position

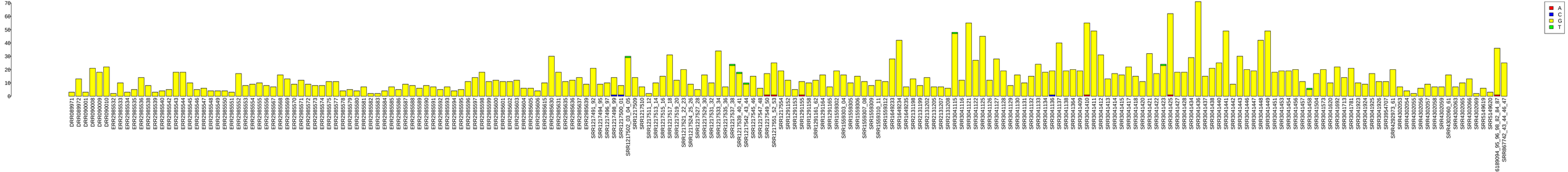


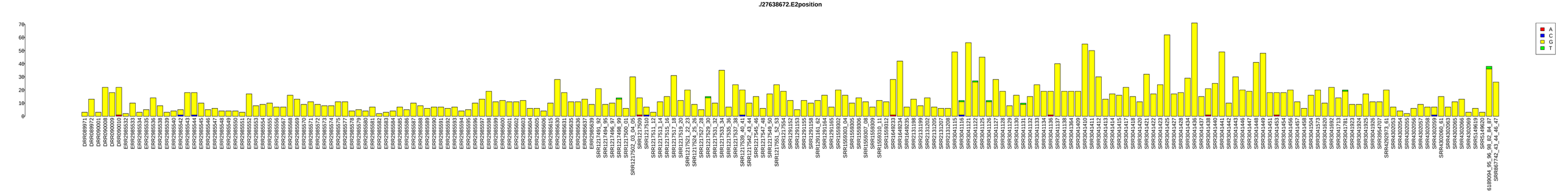

./27638668.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_92
SRR1217495_95
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1291150
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_163
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041524
SRR3041573
SRR3041620
SRR3041692
SRR3041763
SRR3041781
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

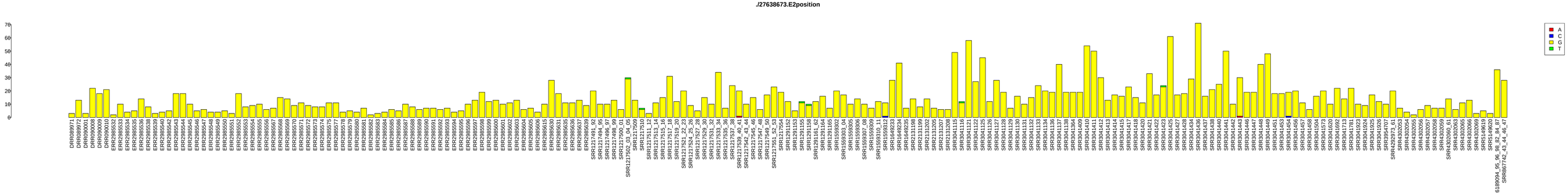

./27638669.E2position
A
C
G
T


./27638670.E2position
A
C
G
T

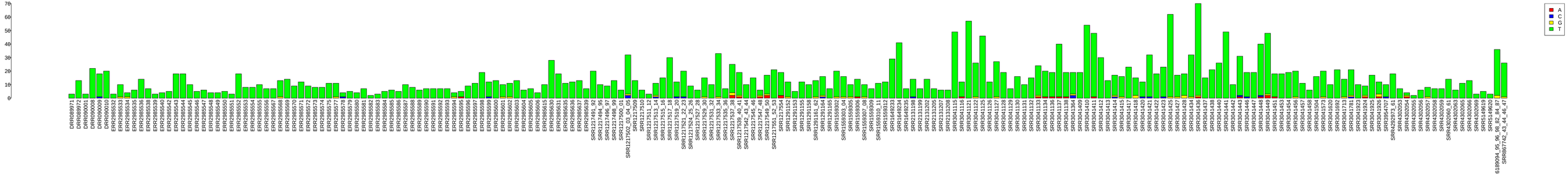
./27638671.E2position



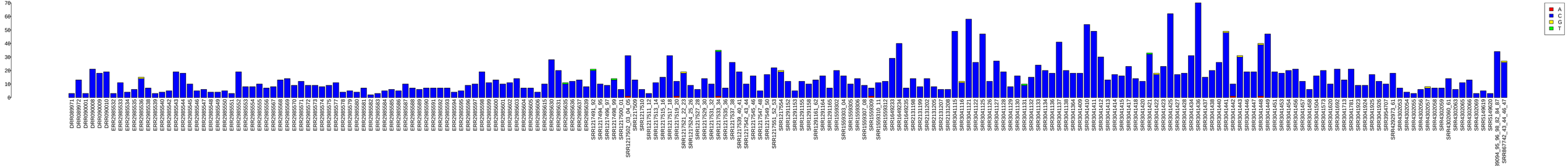

./27638672.E2position
A
C
G
T

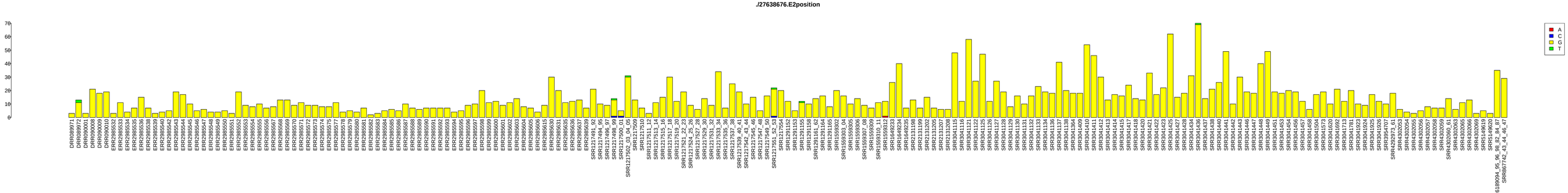

./27638673.E2position
A
C
G
T

./27638674.E2position

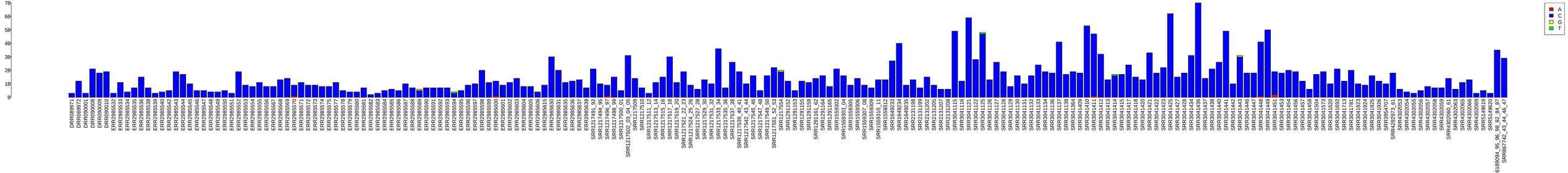

70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174496_95
SRR12174498_97
SRR12174499_98
SRR12174500_01
SRR12174500_03_04_05
SRR12177509
SRR12177510_10
SRR12177511_12
SRR12177513_14
SRR12177515_16
SRR12177517_18
SRR12177519_20
SRR12177521_22_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177543_44
SRR12177545_46
SRR12177547_48
SRR12177549_50
SRR12177551_52_53
SRR12291204
SRR12291152
SRR12291153
SRR12291155
SRR12291158
SRR12291164
SRR12291165
SRR12291166
SRR12291167
SRR12291168
SRR12291169
SRR12291170
SRR12291171
SRR12291172
SRR12291173
SRR12291174
SRR12291175
SRR12291176
SRR12291177
SRR12291178
SRR12291179
SRR12291180
SRR12291181
SRR12291182
SRR12291183
SRR12291184
SRR12291185
SRR12291186
SRR12291187
SRR12291188
SRR12291189
SRR12291190
SRR12291191
SRR12291192
SRR12291193
SRR12291194
SRR12291195
SRR12291196
SRR12291197
SRR12291198
SRR12291199
SRR12291200
SRR12291201
SRR12291202
SRR12291203
SRR12291204
SRR12291205
SRR12291206
SRR12291207
SRR12291208
SRR12291209
SRR12291210
SRR12291211
SRR12291212
SRR12291213
SRR12291214
SRR12291215
SRR12291216
SRR12291217
SRR12291218
SRR12291219
SRR12291220
SRR12291221
SRR12291222
SRR12291223
SRR12291224
SRR12291225
SRR12291226
SRR12291227
SRR12291228
SRR12291229
SRR12291230
SRR12291231
SRR12291232
SRR12291233
SRR12291234
SRR12291235
SRR12291236
SRR12291237
SRR12291238
SRR12291239
SRR12291240
SRR12291241
SRR12291242
SRR12291243
SRR12291244
SRR12291245
SRR12291246
SRR12291247
SRR12291248
SRR12291249
SRR12291250
SRR12291251
SRR12291252
SRR12291253
SRR12291254
SRR12291255
SRR12291256
SRR12291257
SRR12291258
SRR12291259
SRR12291260
SRR12291261
SRR12291262
SRR12291263
SRR12291264
SRR12291265
SRR12291266
SRR12291267
SRR12291268
SRR12291269
SRR12291270
SRR12291271
SRR12291272
SRR12291273
SRR12291274
SRR12291275
SRR12291276
SRR12291277
SRR12291278
SRR12291279
SRR12291280
SRR12291281
SRR12291282
SRR12291283
SRR12291284
SRR12291285
SRR12291286
SRR12291287
SRR12291288
SRR12291289
SRR12291290
SRR12291291
SRR12291292
SRR12291293
SRR12291294
SRR12291295
SRR12291296
SRR12291297
SRR12291298
SRR12291299
SRR12291300
SRR12291301
SRR12291302
SRR12291303
SRR12291304
SRR12291305
SRR12291306
SRR12291307
SRR12291308
SRR12291309
SRR12291310
SRR12291311
SRR12291312
SRR12291313
SRR12291314
SRR12291315
SRR12291316
SRR12291317
SRR12291318
SRR12291319
SRR12291320
SRR12291321
SRR12291322
SRR12291323
SRR12291324
SRR12291325
SRR12291326
SRR12291327
SRR12291328
SRR12291329
SRR12291330
SRR12291331
SRR12291332
SRR12291333
SRR12291334
SRR12291335
SRR12291336
SRR12291337
SRR12291338
SRR12291339
SRR12291340
SRR12291341
SRR12291342
SRR12291343
SRR12291344
SRR12291345
SRR12291346
SRR12291347
SRR12291348
SRR12291349
SRR12291350
SRR12291351
SRR12291352
SRR12291353
SRR12291354
SRR12291355
SRR12291356
SRR12291357
SRR12291358
SRR12291359
SRR12291360
SRR12291361
SRR12291362
SRR12291363
SRR12291364
SRR12291365
SRR12291366
SRR12291367
SRR12291368
SRR12291369
SRR12291370
SRR12291371
SRR12291372
SRR12291373
SRR12291374
SRR12291375
SRR12291376
SRR12291377
SRR12291378
SRR12291379
SRR12291380
SRR12291381
SRR12291382
SRR12291383
SRR12291384
SRR12291385
SRR12291386
SRR12291387
SRR12291388
SRR12291389
SRR12291390
SRR12291391
SRR12291392
SRR12291393
SRR12291394
SRR12291395
SRR12291396
SRR12291397
SRR12291398
SRR12291399
SRR12291400
SRR12291401
SRR12291402
SRR12291403
SRR12291404
SRR12291405
SRR12291406
SRR12291407
SRR12291408
SRR12291409
SRR12291410
SRR12291411
SRR12291412
SRR12291413
SRR12291414
SRR12291415
SRR12291416
SRR12291417
SRR12291418
SRR12291419
SRR12291420
SRR12291421
SRR12291422
SRR12291423
SRR12291424
SRR12291425
SRR12291426
SRR12291427
SRR12291428
SRR12291434
SRR12291436
SRR12291437
SRR12291438
SRR12291439
SRR12291440
SRR12291441
SRR12291442
SRR12291443
SRR12291446
SRR12291447
SRR12291448
SRR12291449
SRR12291450
SRR12291451
SRR12291453
SRR12291454
SRR12291456
SRR12291457
SRR12291506
SRR12291524
SRR12291573
SRR12291620
SRR12291692
SRR12291763
SRR12291764
SRR12291923
SRR12291925
SRR12291926
SRR12291927
SRR12291928
SRR12291929
SRR12291930
SRR12291931
SRR12291932
SRR12291933
SRR12291934
SRR12291935
SRR12291936
SRR12291937
SRR12291938
SRR12291939
SRR12291940
SRR12291941
SRR12291942
SRR12291943
SRR12291944
SRR12291945
SRR12291946
SRR12291947
SRR12291948
SRR12291949
SRR12291950
SRR12291951
SRR12291952
SRR12291953
SRR12291954
SRR12291955
SRR12291956
SRR12291957
SRR12291958
SRR12291959
SRR12291960
SRR12291961
SRR12291962
SRR12291963
SRR12291964

./27638675.E2position

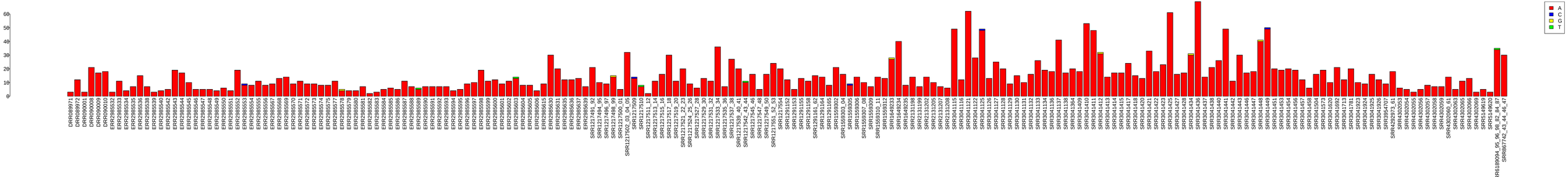



./27638676.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174496_97
SRR12174498_99
SRR12174499_00
SRR12217500_01
SRR12217500_03_04_05
SRR12217509
SRR12217510_11
SRR12217511_12
SRR12217513_14
SRR12217515_16
SRR12217517_18
SRR12217519_20
SRR12217521_22_23
SRR12217524_25_26
SRR12217527_28
SRR12217529_30
SRR12217531_32
SRR12217533_34
SRR12217535_36
SRR12217537_38
SRR12217539_40_41
SRR12217543_44
SRR12217545_46
SRR12217547_48
SRR12217549_50
SRR12217551_52_53
SRR12217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041524
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041753
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4292970_71
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

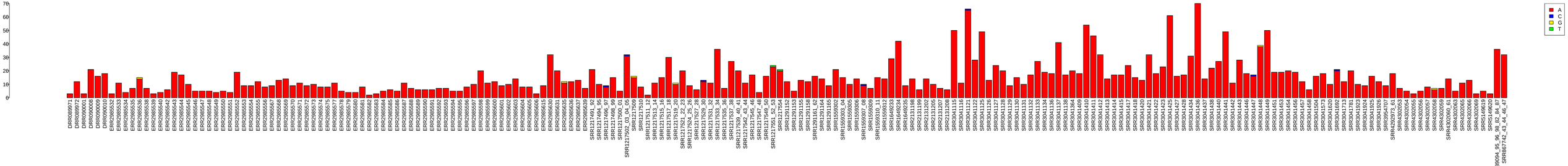
./27638677.E2position

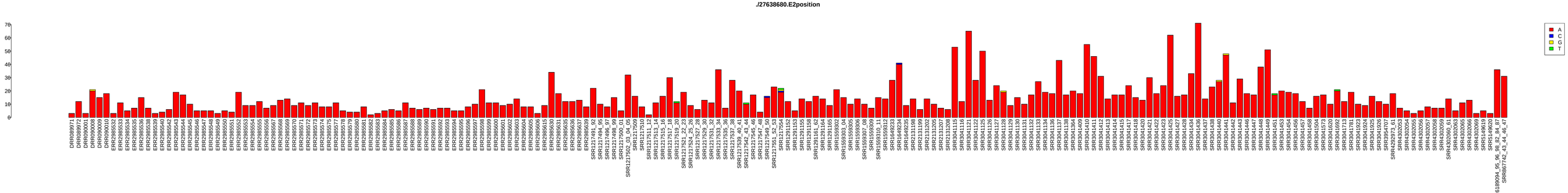


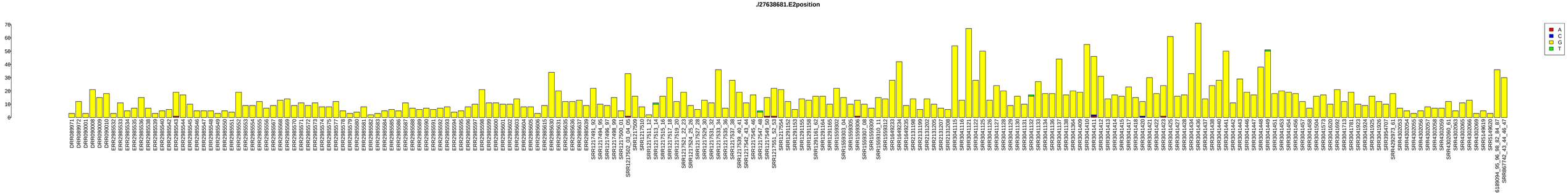
./27638678.E2position

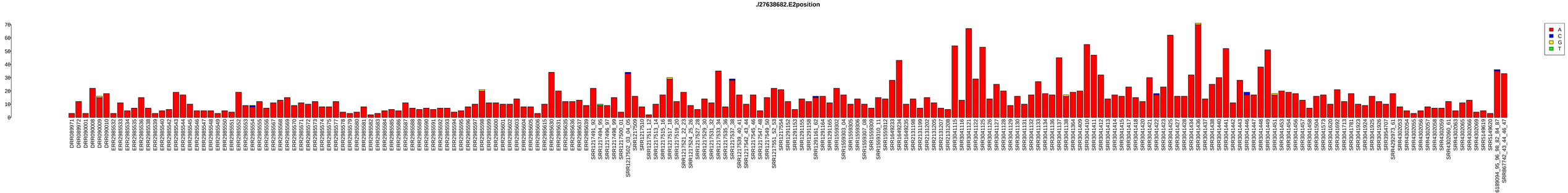


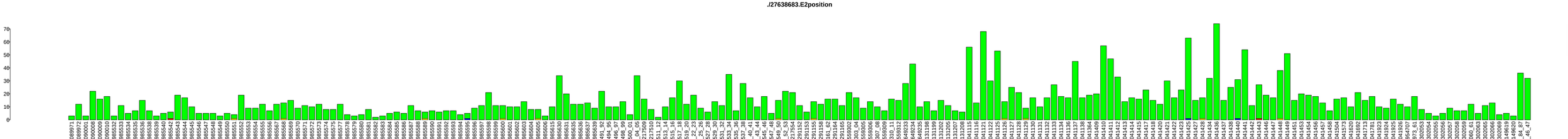
./27638679.E2position



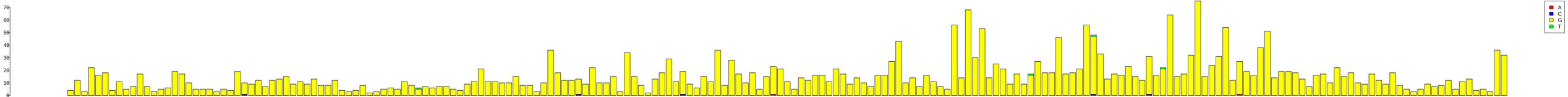

./27638680.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174494_95
SRR12174496_97
SRR12174498_99
SRR12175500_01
SRR12175500_03_04_05
SRR12175509
SRR12175510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25_26
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175543_44_45
SRR12175545_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554_55_56
SRR12175561
SRR12175562
SRR12175564
SRR12175566
SRR12175568
SRR12175569
SRR12175570
SRR12175571
SRR12175572
SRR12175573
SRR12175574
SRR12175575
SRR12175576
SRR12175577
SRR12175578
SRR12175579
SRR12175580
SRR12175581
SRR12175582
SRR12175583
SRR12175584
SRR12175585
SRR12175586
SRR12175587
SRR12175588
SRR12175589
SRR12175590
SRR12175591
SRR12175592
SRR12175593
SRR12175594
SRR12175595
SRR12175596
SRR12175597
SRR12175598
SRR12175599
SRR12175600
SRR12175601
SRR12175602
SRR12175603
SRR12175604
SRR12175605
SRR12175606
SRR12175615
SRR12175630
SRR12175631
SRR12175634
SRR12175635
SRR12175636
SRR12175637
SRR12175639
SRR12175640
SRR12175641
SRR12175642
SRR12175643
SRR12175644
SRR12175645
SRR12175646
SRR12175647
SRR12175648
SRR12175649
SRR12175650
SRR12175651
SRR12175652
SRR12175653
SRR12175654
SRR12175655
SRR12175656
SRR12175657
SRR12175658
SRR12175659
SRR12175660
SRR12175661
SRR12175662
SRR12175663
SRR12175664
SRR12175665
SRR12175666
SRR12175667
SRR12175668
SRR12175669
SRR12175670
SRR12175671
SRR12175672
SRR12175673
SRR12175674
SRR12175675
SRR12175676
SRR12175677
SRR12175678

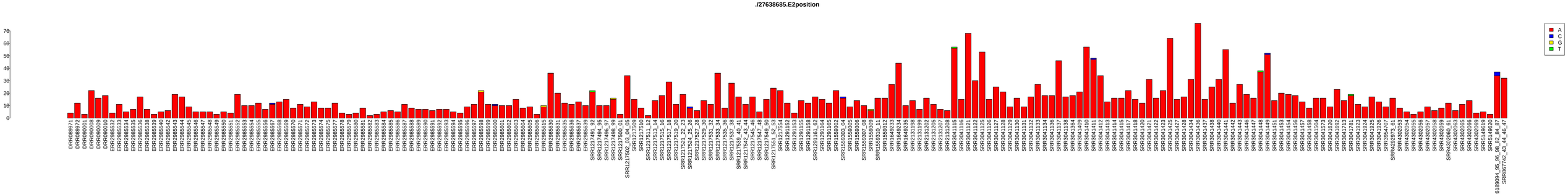

./27638681.E2position
A
C
G
T


./27638682.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217543_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554_55
SRR1291152
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041456
SRR3041457
SRR3041458
SRR3041540
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041783
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

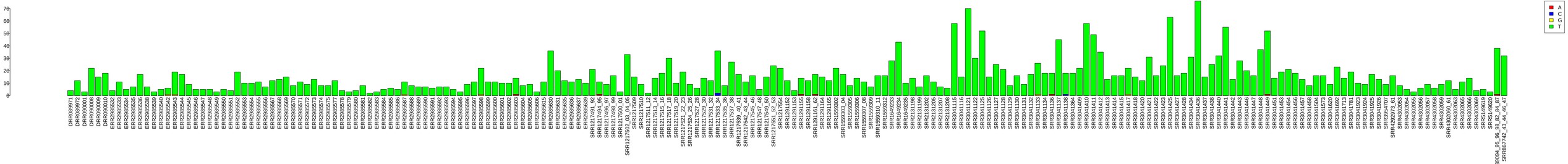

./27638683.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509_10
SRR1217510_11
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554_55_56
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131200
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041540
SRR3041573
SRR3041620
SRR3041692
SRR3041763
SRR3041783
SRR3041923
SRR3041925
SRR3041926
SRR4292970_70
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR5146618
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638684.E2position

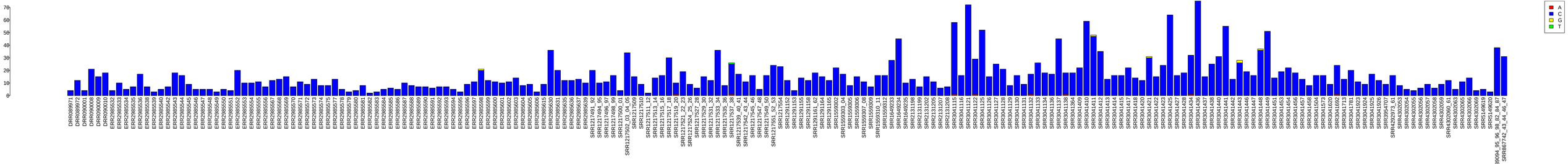



./27638685.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217499_00
SRR1217500_01
SRR1217500_03_04_05
SRR1217509_10
SRR1217510_11
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554_55_56
SRR1291151
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131209
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041445
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041452
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041540
SRR3041541
SRR3041573
SRR3041620
SRR3041692
SRR3041731
SRR3041733
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

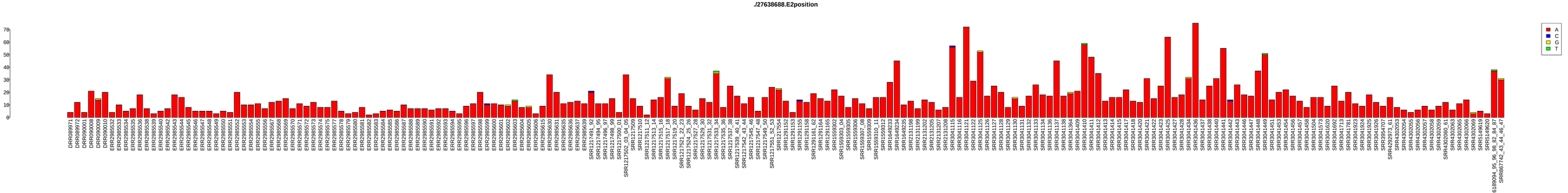
./27638686.E2position



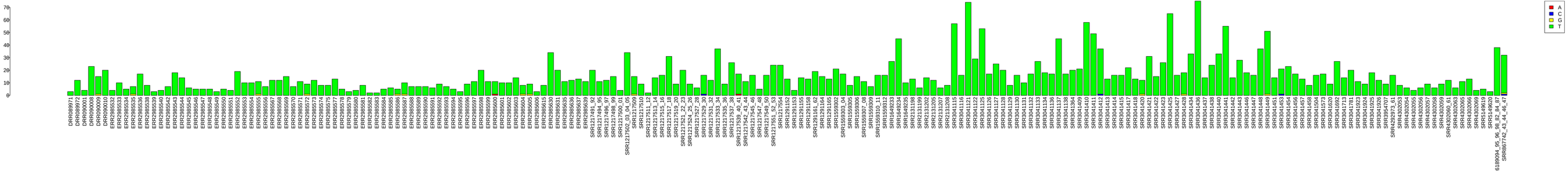
./27638687.E2position

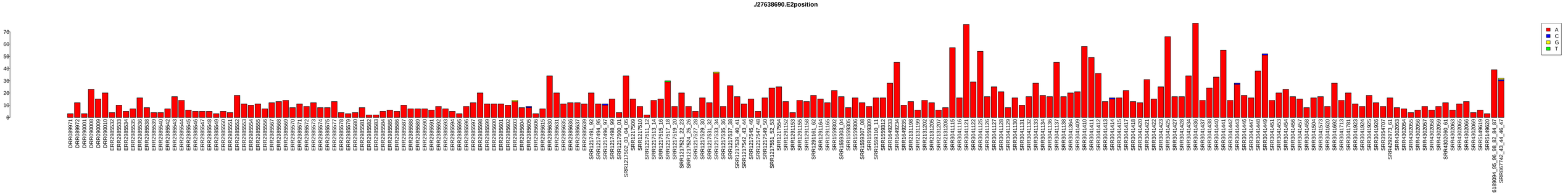


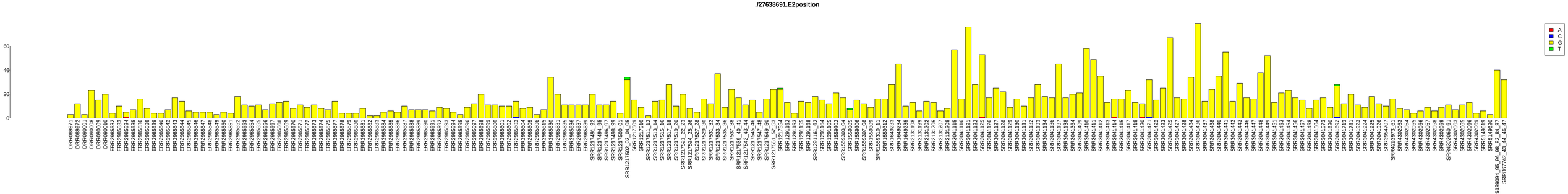
./27638688.E2position

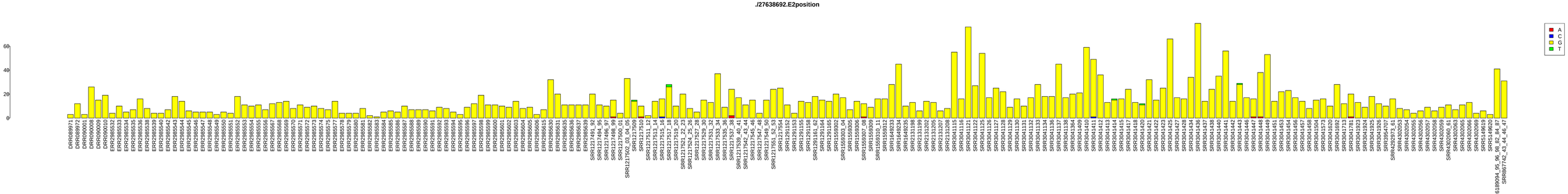


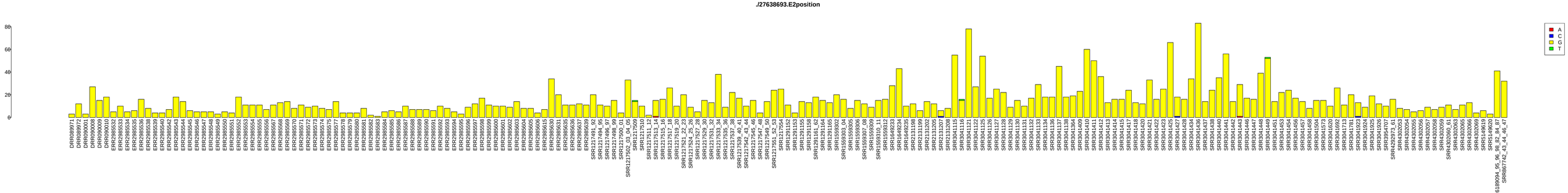
./27638689.E2position



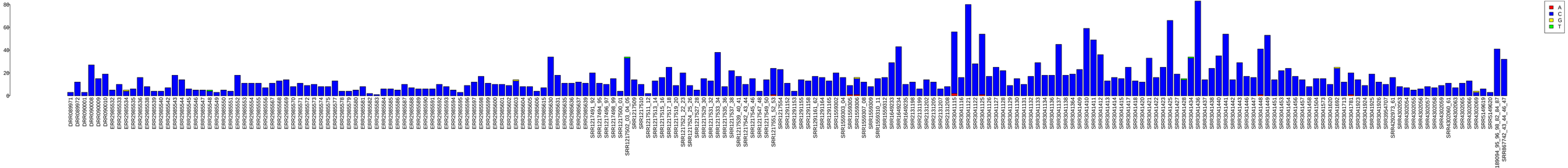

./27638690.E2position
A
C
G
T


./27638691.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12217491_92
SRR12217494_95
SRR12217498_99
SRR12217500_01
SRR12217500_03_04_05
SRR12217509
SRR12217510_11
SRR12217511_12
SRR12217513_14
SRR12217515_16
SRR12217517_18
SRR12217519_20
SRR12217521_22_23
SRR12217524_25_26
SRR12217527_28
SRR12217529_30
SRR12217531_32
SRR12217533_34
SRR12217535_36
SRR12217537_38
SRR12217539_40_41
SRR12217543_44
SRR12217545_46
SRR12217547_48
SRR12217551_52_53
SRR12217555_56
SRR12217557
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR2131210
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041524
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041753
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4292970_71
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

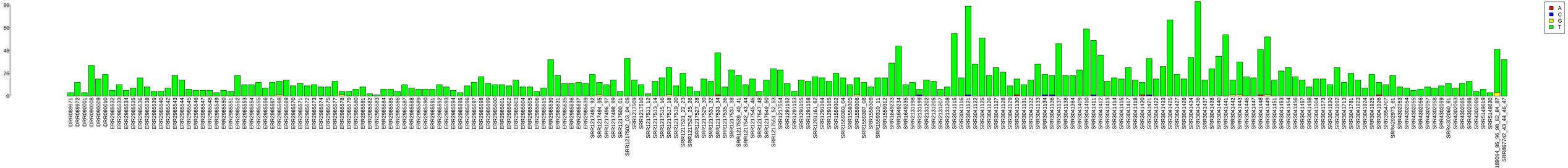

./27638692.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090017
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985530
ERR2985531
ERR2985535
ERR2985536
ERR2985537
ERR2985539
SRR12174491_92
SRR12174496_97
SRR12174498_99
SRR12172500_01
SRR12172500_03_04_05
SRR12172500_07
SRR12172500_09
SRR12175111_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25_26
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175542_43_44
SRR12175545_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554_55_56
SRR12175558_59
SRR12175152
SRR12191153
SRR12191155
SRR12191158
SRR12191161_62
SRR12191164
SRR12191165
SRR15593002
SRR15593005
SRR15593006
SRR15593007_08
SRR15593009
SRR15593310_11
SRR15593312_13
SRR16649233
SRR16649234
SRR16649235
SRR22131198
SRR22131202
SRR22131203
SRR22131205
SRR22131207
SRR22131208
SRR22131209
SRR22131215
SRR23041115
SRR23041121
SRR23041122
SRR23041125
SRR23041126
SRR23041127
SRR23041128
SRR23041129
SRR23041130
SRR23041131
SRR23041132
SRR23041133
SRR23041134
SRR23041136
SRR23041137
SRR23041138
SRR23041384
SRR23041409
SRR23041410
SRR23041411
SRR23041412
SRR23041413
SRR23041414
SRR23041415
SRR23041417
SRR23041418
SRR23041420
SRR23041421
SRR23041422
SRR23041425
SRR23041426
SRR23041427
SRR23041428
SRR23041434
SRR23041436
SRR23041437
SRR23041438
SRR23041440
SRR23041441
SRR23041442
SRR23041443
SRR23041446
SRR23041447
SRR23041448
SRR23041449
SRR23041451
SRR23041453
SRR23041454
SRR23041456
SRR23041457
SRR23041458
SRR23041504
SRR23041573
SRR23041620
SRR23041692
SRR23041701
SRR23041743
SRR23041923
SRR23041924
SRR23041925
SRR23041926
SRR23041927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146618
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

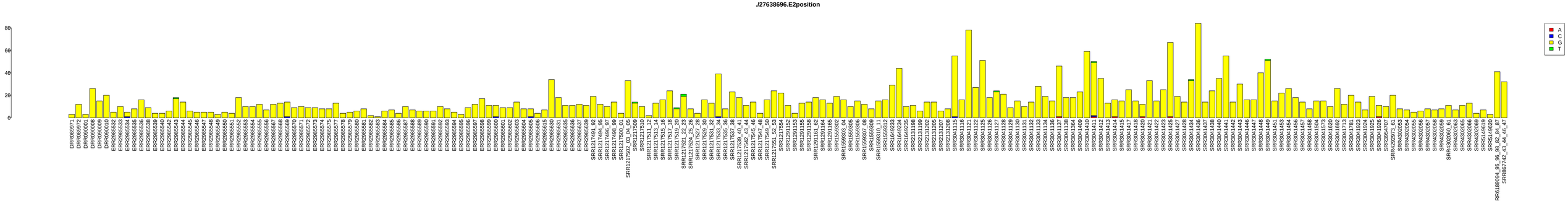

./27638693.E2position
80
60
40
20
0
A
C
G
T

./27638694.E2position

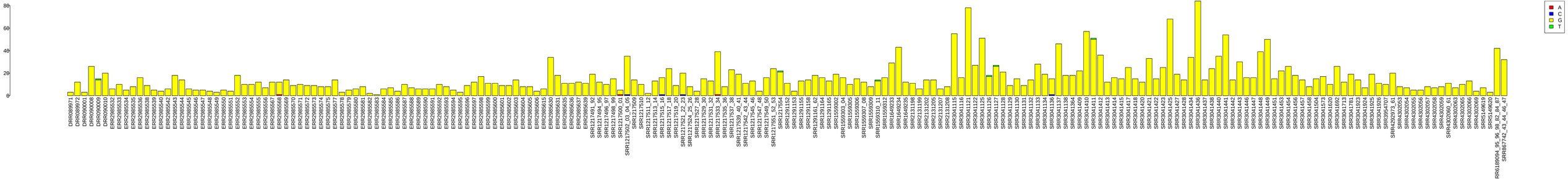


./27638695.E2position

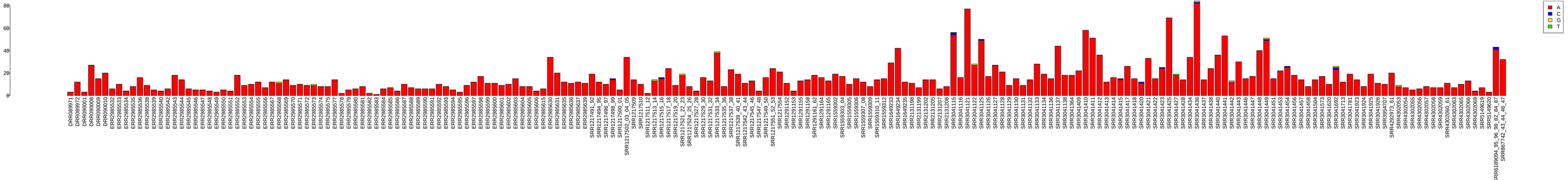

80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090008
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174496_95
SRR12174498_97
SRR12174499_99
SRR12175500_01
SRR12175500_03_04_05
SRR12175509
SRR12175510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25_26
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175543_44_45
SRR12175546_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554_55
SRR12175556
SRR12178152
SRR12178153
SRR12178155
SRR12178158
SRR12178161_62
SRR12178164
SRR12178165
SRR12178167
SRR12178168
SRR12178169
SRR12178170
SRR12178171
SRR12178172
SRR12178173
SRR12178174
SRR12178175
SRR12178176
SRR12178177
SRR12178178
SRR12178179
SRR12178180
SRR12178181
SRR12178182
SRR12178183
SRR12178184
SRR12178185
SRR12178186
SRR12178187
SRR12178188
SRR12178189
SRR12178190
SRR12178191
SRR12178192
SRR12178193
SRR12178194
SRR12178195
SRR12178196
SRR12178197
SRR12178198
SRR12178199
SRR12178200
SRR12178201
SRR12178202
SRR12178203
SRR12178204
SRR12178205
SRR12178206

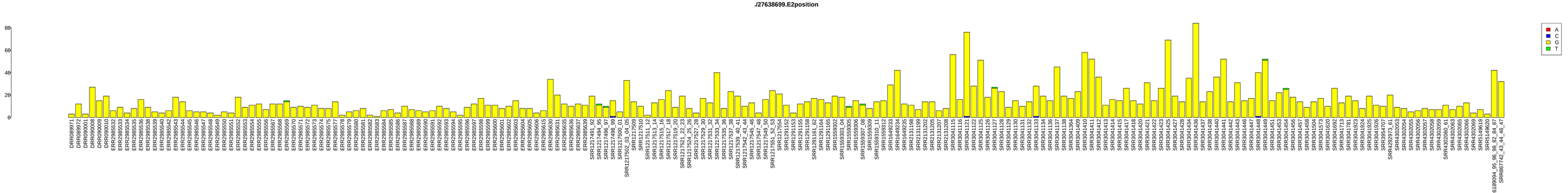

./27638696.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985530
ERR2985531
ERR2985535
ERR2985536
ERR2985537
ERR2985539
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217500_01
SRR1217500_03_04_05
SRR1217509
SRR1217510_12
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554_55
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041114
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041524
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041783
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146618
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27638697.E2position

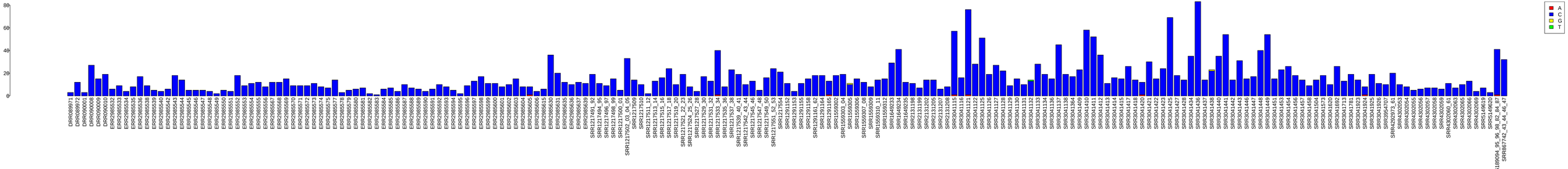


./27638698.E2position

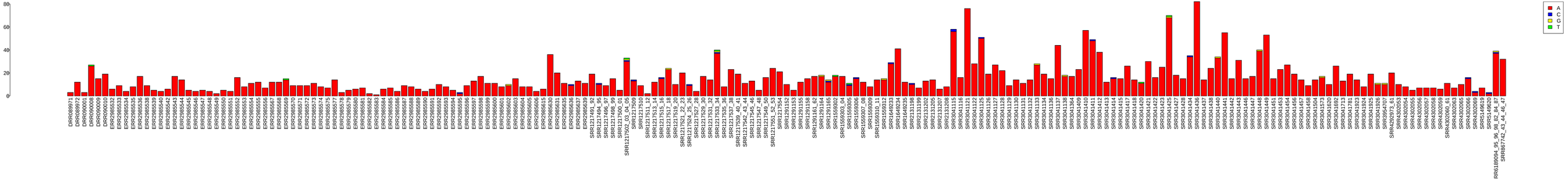



./27638699.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985530
ERR2985531
ERR2985535
ERR2985536
ERR2985537
ERR2985539
SRR12217491_92
SRR12217494_97
SRR12217498_99
SRR12217500_01
SRR12217500_03_04_05
SRR12217509
SRR12217510_11
SRR12217511_12
SRR12217513_14
SRR12217515_16
SRR12217517_18
SRR12217519_20
SRR12217521_22_23
SRR12217524_25_26
SRR12217527_28
SRR12217529_30
SRR12217531_32
SRR12217533_34
SRR12217535_36
SRR12217537_38
SRR12217539_40_41
SRR12217543_44
SRR12217545_46
SRR12217547_48
SRR12217549_50
SRR12217551_52_53
SRR12217554_55
SRR12291152
SRR12291153
SRR12291155
SRR12291158
SRR12291161
SRR12291164
SRR12291165
SRR11593902
SRR11593903_04
SRR11593905
SRR11593906
SRR11593907_08
SRR11593909
SRR11593910_11
SRR11593912
SRR11649233
SRR11649234
SRR11649235
SRR12131198
SRR12131199
SRR12131202
SRR12131205
SRR12131207
SRR12131208
SRR12131209
SRR12131210
SRR12131211
SRR12131212
SRR12131213
SRR12131214
SRR12131215
SRR12131216
SRR12131217
SRR12131218
SRR12131219
SRR12131220
SRR12131221
SRR12131222
SRR12131223
SRR12131224
SRR12131225
SRR12131226
SRR12131227
SRR12131228
SRR12131229
SRR12131230
SRR12131231
SRR12131232
SRR12131233
SRR12131234
SRR12131235
SRR12131236
SRR12131237
SRR12131238
SRR12131384
SRR12131409
SRR12131410
SRR12131411
SRR12131412
SRR12131413
SRR12131414
SRR12131415
SRR12131417
SRR12131418
SRR12131420
SRR12131421
SRR12131422
SRR12131425
SRR12131426
SRR12131427
SRR12131428
SRR12131434
SRR12131436
SRR12131437
SRR12131438
SRR12131440
SRR12131441
SRR12131442
SRR12131443
SRR12131446
SRR12131447
SRR12131448
SRR12131449
SRR12131451
SRR12131453
SRR12131454
SRR12131456
SRR12131457
SRR12131458
SRR12131540
SRR12131573
SRR12131620
SRR12131692
SRR12131713
SRR12131715
SRR12131923
SRR12131924
SRR12131925
SRR12131926
SRR12131927
SRR12132977
SRR12132973_81
SRR14302053
SRR14302054
SRR14302055
SRR14302056
SRR14302057
SRR14302058
SRR14302059
SRR14302060_61
SRR14302062
SRR14302065
SRR14302066
SRR14302069
SRR14302618
SRR14302619
SRR61809 4_95_96_98_82_84_87
SRR8677 42_43_44_46_47

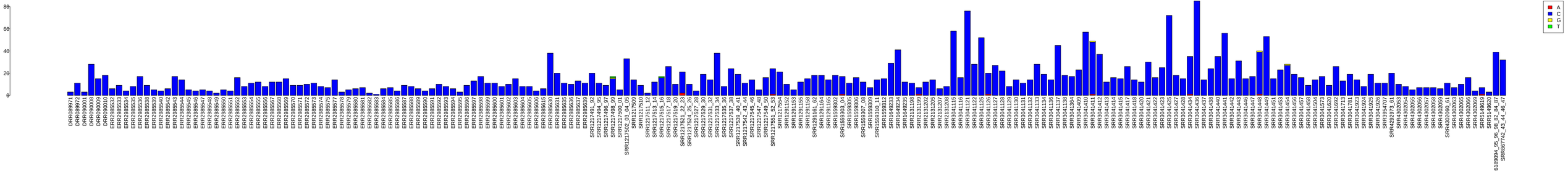
./27638700.E2position



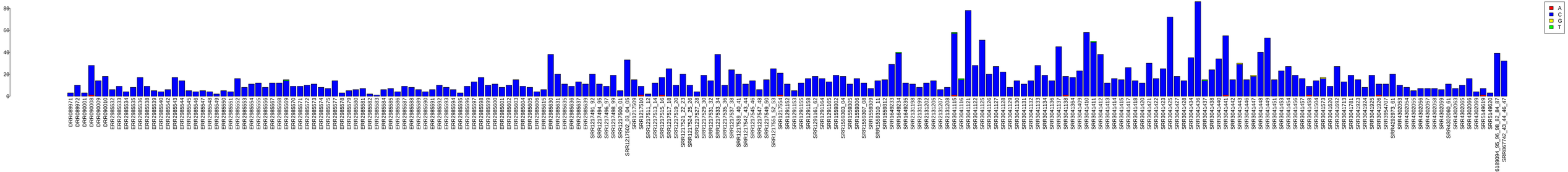
./27638701.E2position



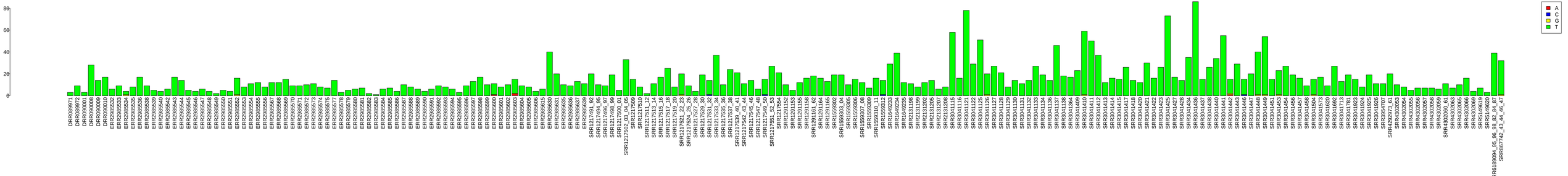
./27638702.E2position



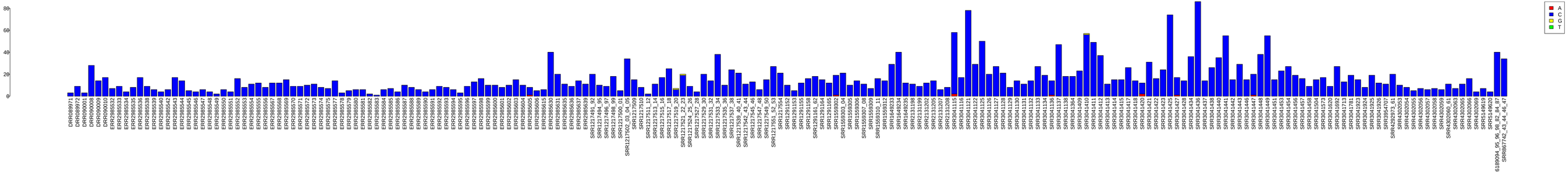
./27638703.E2position



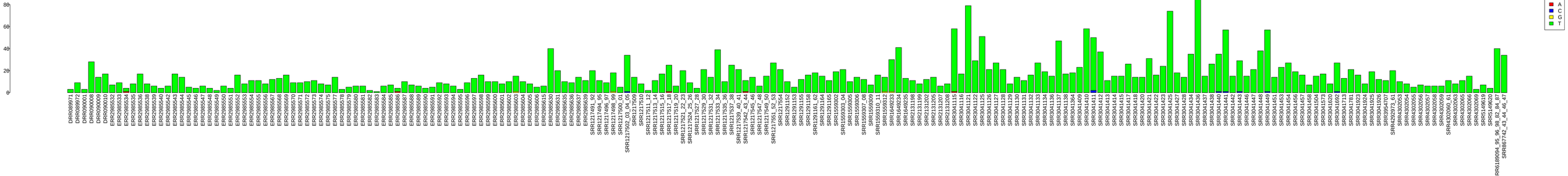
./27638704.E2position



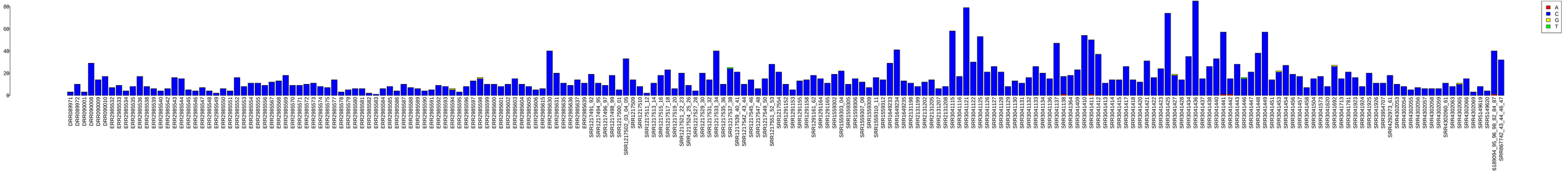
./27638705.E2position



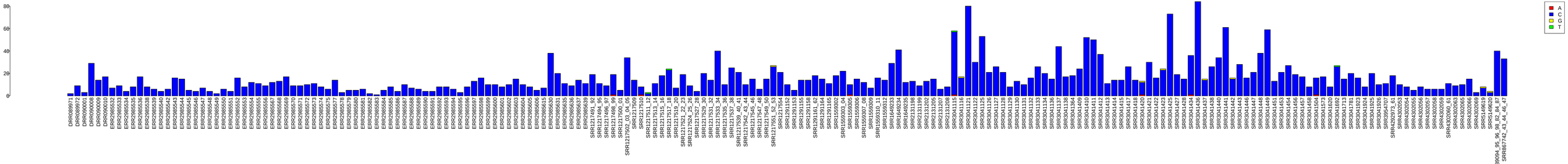
./27638706.E2position



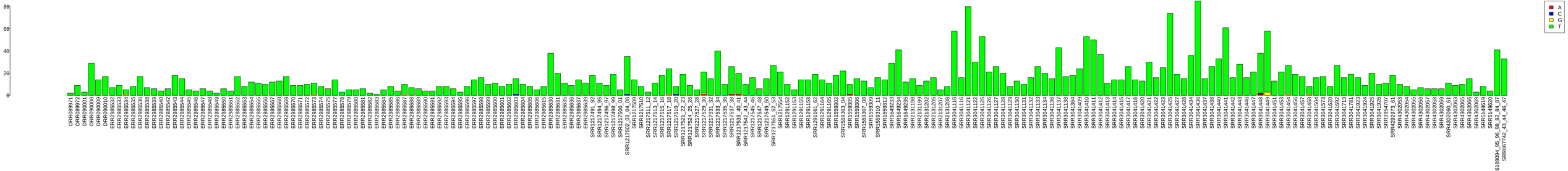
./27638707.E2position



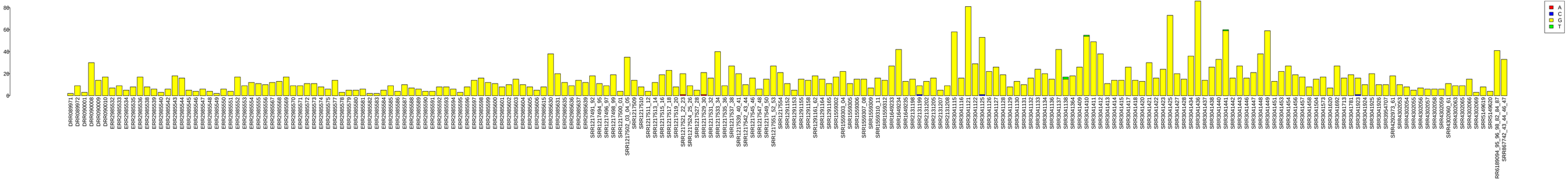
./27638708.E2position

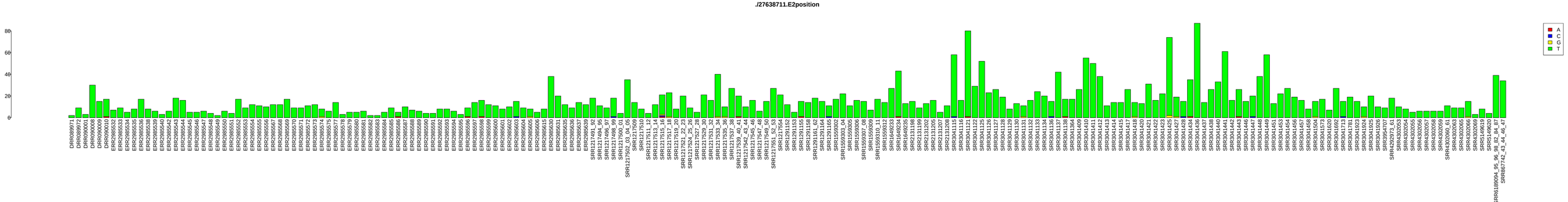


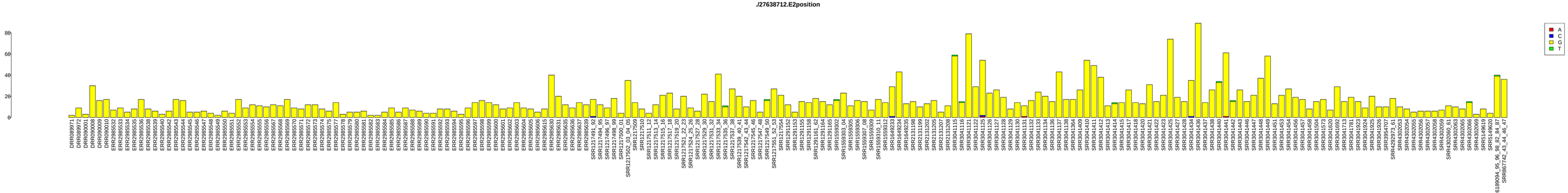
./27638709.E2position



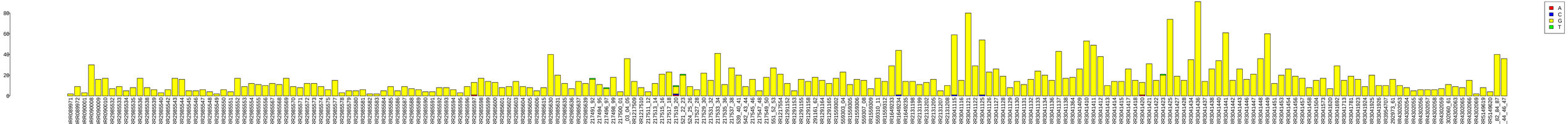
./27638710.E2position



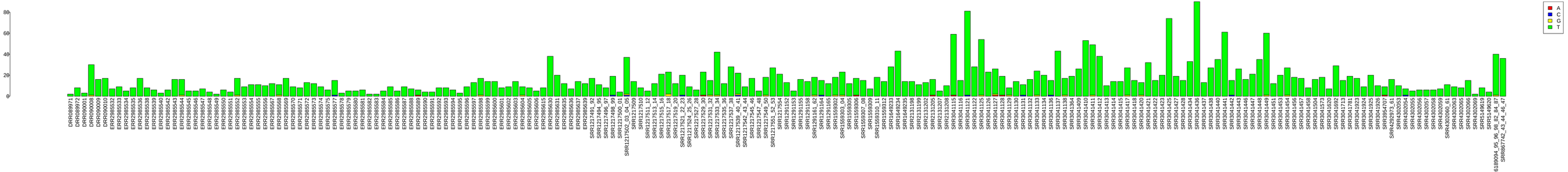

./27638711.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12174491_92
SRR12174496_97
SRR12174498_99
SRR12174499_00
SRR12174500_01
SRR12174500_03_04_05
SRR12177509
SRR12177510
SRR12177511_12
SRR12177513_14
SRR12177515_16
SRR12177517_18
SRR12177519_20
SRR12177521_22_23
SRR12177524_25_26
SRR12177527_28
SRR12177529_30
SRR12177531_32
SRR12177533_34
SRR12177535_36
SRR12177537_38
SRR12177539_40_41
SRR12177543_44
SRR12177545_46
SRR12177547_48
SRR12177551_52_53
SRR12177554_55
SRR12291152
SRR12291153
SRR12291155
SRR12291158
SRR12291161
SRR12291164
SRR12291165
SRR15593002
SRR15593003_04
SRR15593005
SRR15593006
SRR15593097_08
SRR15593309
SRR15593310_11
SRR15593312_13
SRR16649233
SRR16649234
SRR16649235
SRR22131198
SRR22131202
SRR22131205
SRR22131207
SRR22131208
SRR22131209
SRR22131215
SRR22131216
SRR23041121
SRR23041122
SRR23041125
SRR23041126
SRR23041127
SRR23041128
SRR23041129
SRR23041130
SRR23041131
SRR23041132
SRR23041133
SRR23041134
SRR23041136
SRR23041138
SRR23041139
SRR23041384
SRR23041409
SRR23041410
SRR23041411
SRR23041412
SRR23041413
SRR23041414
SRR23041415
SRR23041417
SRR23041418
SRR23041420
SRR23041421
SRR23041422
SRR23041425
SRR23041427
SRR23041428
SRR23041434
SRR23041436
SRR23041437
SRR23041438
SRR23041440
SRR23041441
SRR23041442
SRR23041443
SRR23041446
SRR23041447
SRR23041448
SRR23041449
SRR23041451
SRR23041453
SRR23041454
SRR23041456
SRR23041457
SRR23041504
SRR23041524
SRR23041573
SRR23041620
SRR23041692
SRR23041713
SRR23041783
SRR23041923
SRR23041924
SRR23041925
SRR23041926
SRR23041927
SRR4292973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146618
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638712.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR12217491_92
SRR12217494_95
SRR12217496_97
SRR12217498_99
SRR12217500_01
SRR12217500_03_04_05
SRR12217509
SRR12217510_11
SRR12217511_12
SRR12217513_14
SRR12217515_16
SRR12217517_18
SRR12217519_20
SRR12217521_22_23
SRR12217524_25_26
SRR12217527_28
SRR12217529_30
SRR12217531_32
SRR12217533_34
SRR12217535_36
SRR12217537_38
SRR12217539_40_41
SRR12217543_44_45
SRR12217545_46
SRR12217547_48
SRR12217550_49
SRR12217551_52_53
SRR12217554_55_56
SRR12217557
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312_13
SRR1649231
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041416
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041506
SRR3041524
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4292971
SRR4292973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

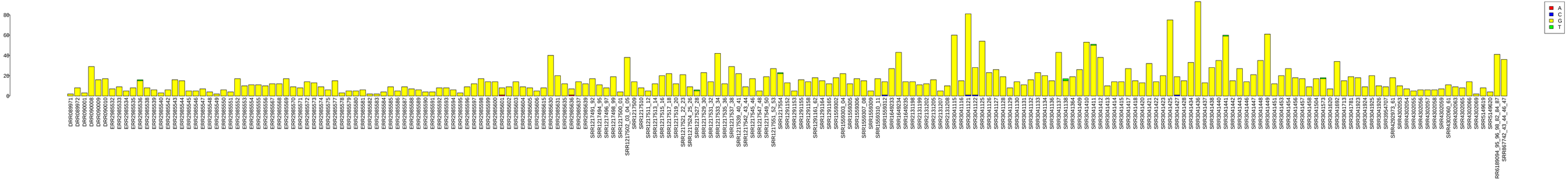
./27638713.E2position



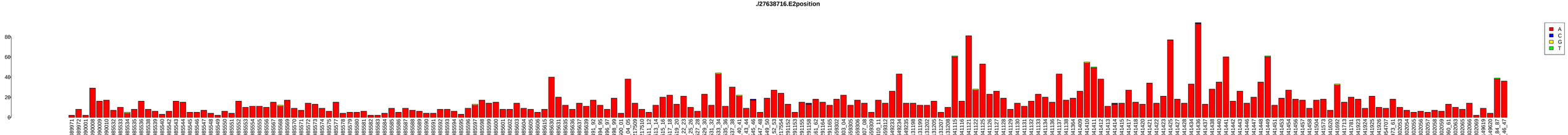
./27638714.E2position



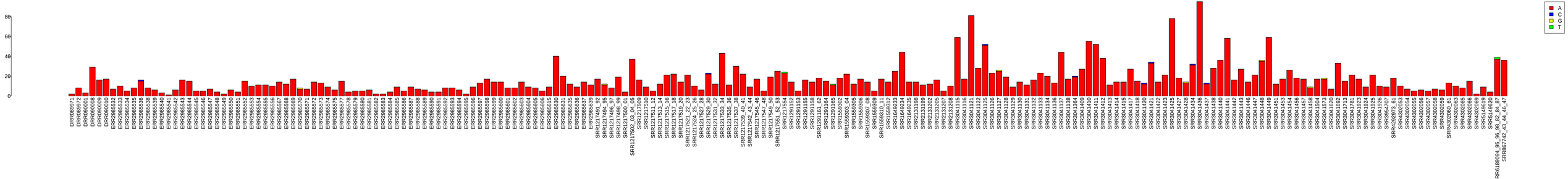
./27638715.E2position



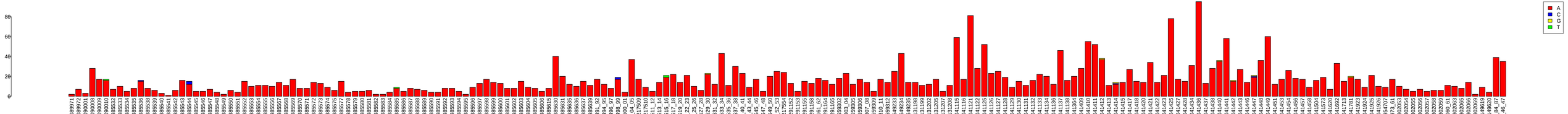
./27638716.E2position

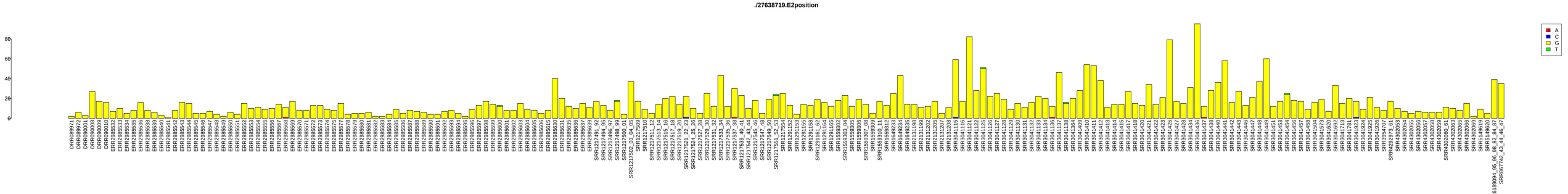


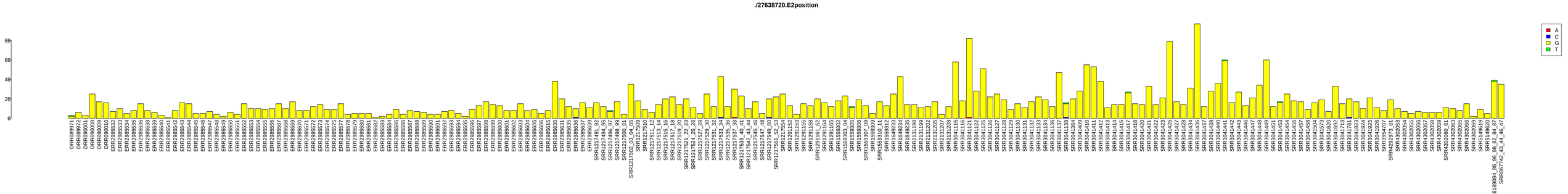
./27638717.E2position



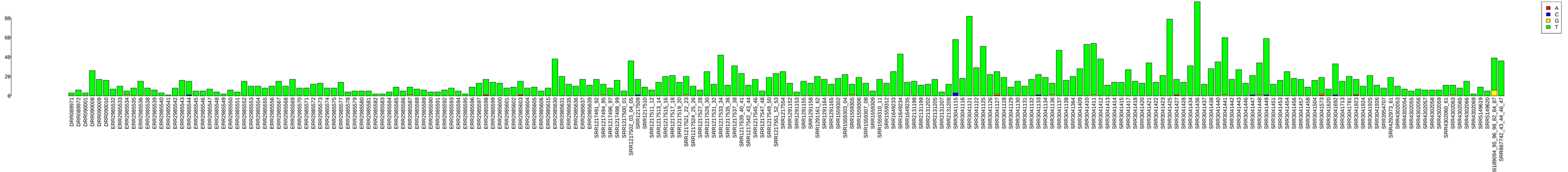
./27638718.E2position

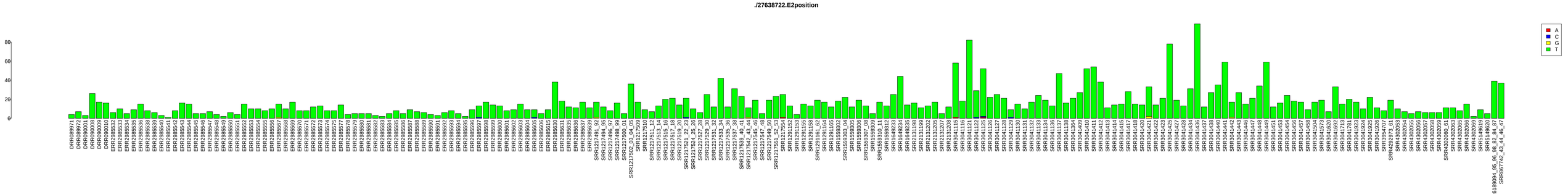


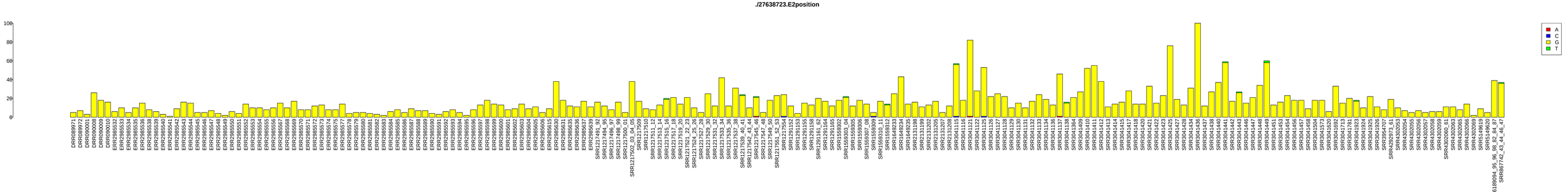

./27638719.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172491_92
SRR12172494_95
SRR12172496_99
SRR12172500_01
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172166
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203
SRR12172204
SRR12172205
SRR12172206
SRR12172207
SRR12172208
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559308
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR8677424_43_44_46_47


./27638720.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041721
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

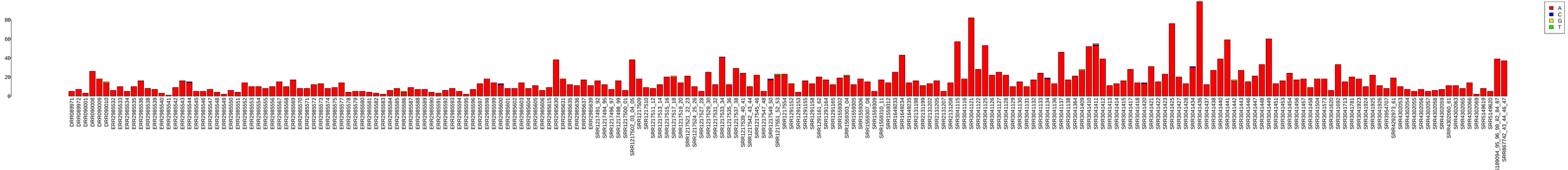
./27638721.E2position

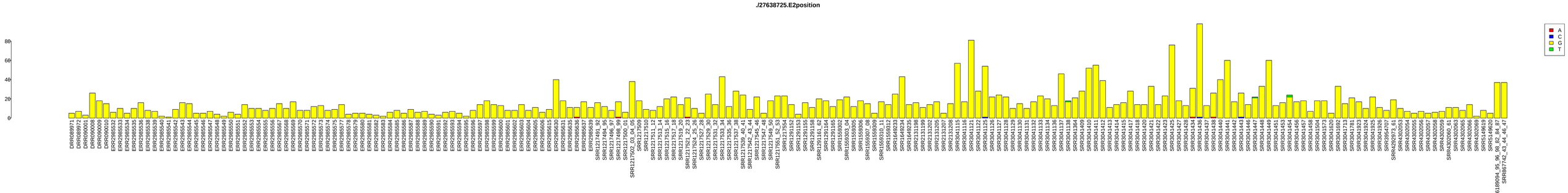


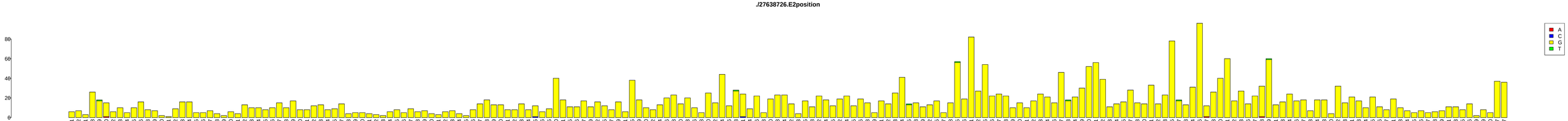

./27638722.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

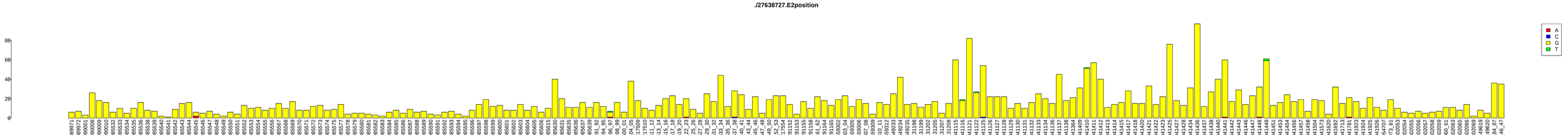

./27638723.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202727
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638724.E2position

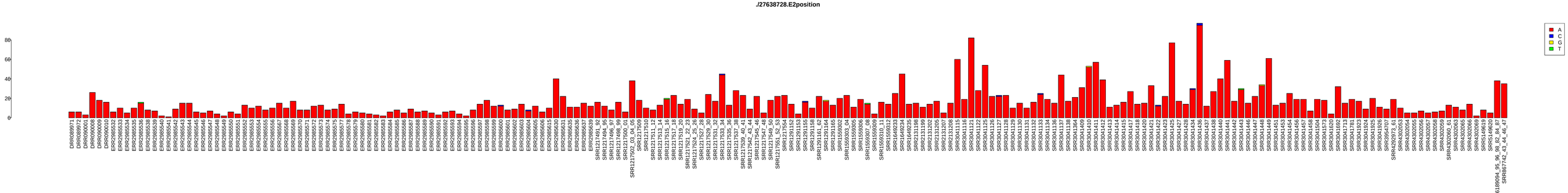



./27638725.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148621
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

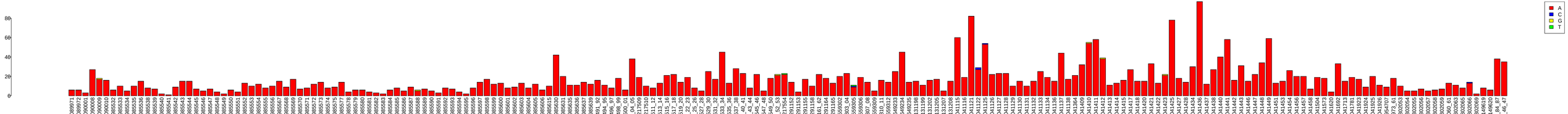

./27638726.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131204
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638727.E2position
80
60
40
20
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041721
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47
A
C
G
T

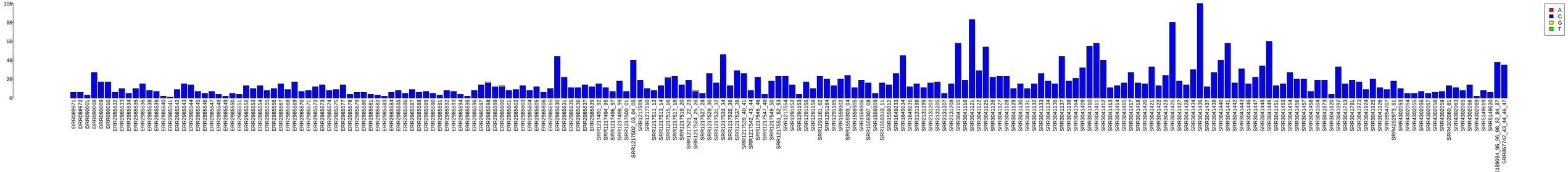
./27638728.E2position

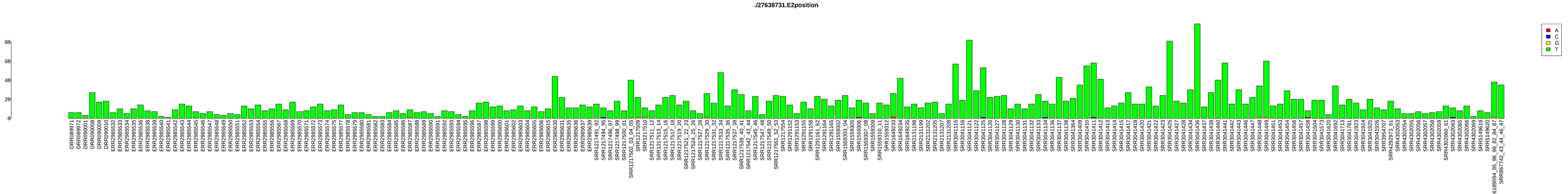


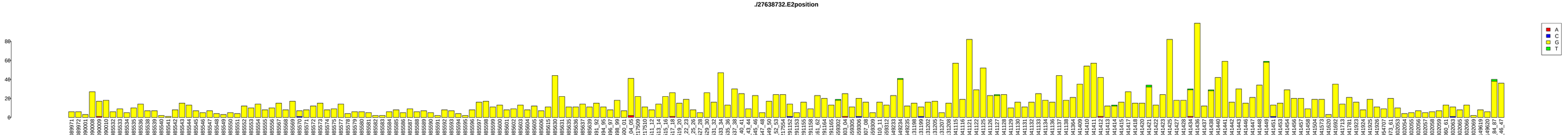
./27638729.E2position

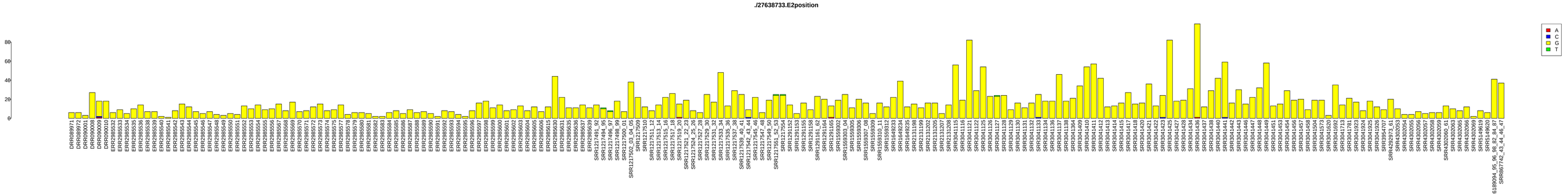


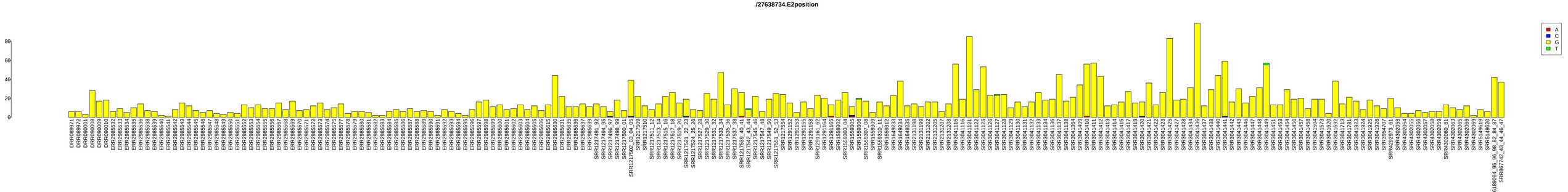
./27638730.E2position



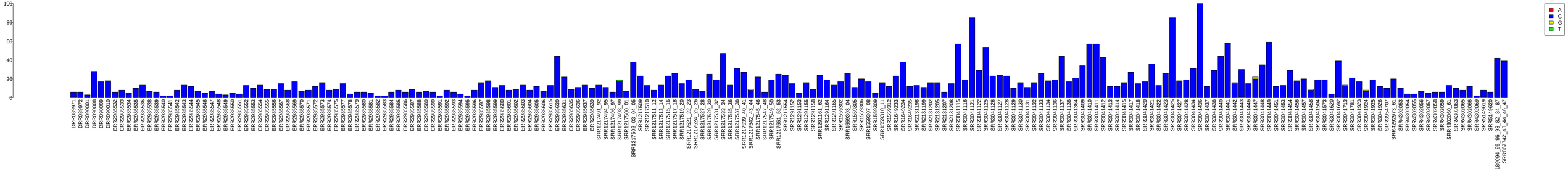

./27638731.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090006
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12174491_92
SRR12174494_95
SRR12174496_97
SRR12174499_00
SRR12175502_03_04_05
SRR12175509
SRR12175510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175542_43_44
SRR12175545_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554
SRR12175152
SRR12175153
SRR12175155
SRR12175158
SRR12175161_162
SRR12175164
SRR12175165
SRR12175202
SRR12175203_04
SRR15593005
SRR15593006
SRR15593007
SRR15593009
SRR15593010_11
SRR15593012
SRR16492323
SRR16492324
SRR16492325
SRR2133198
SRR2133199
SRR2133200
SRR2133201
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

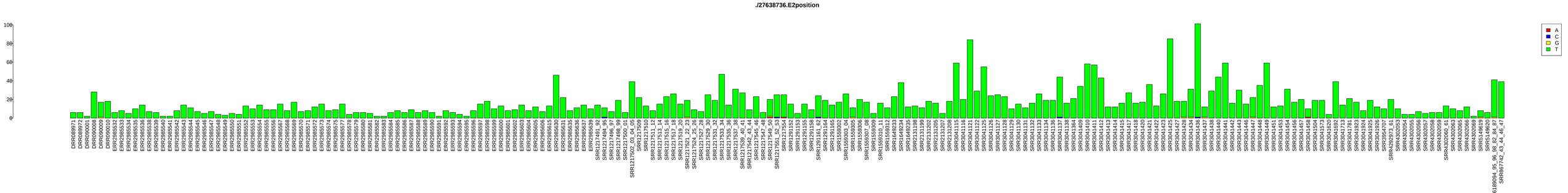

./27638732.E2position
80
60
40
20
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48_49
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148621
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47
A
C
G
T

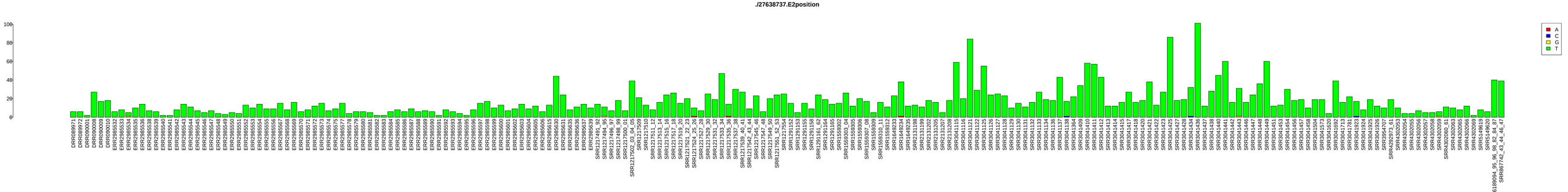

./27638733.E2position
A
C
G
T
0
20
40
60
80
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

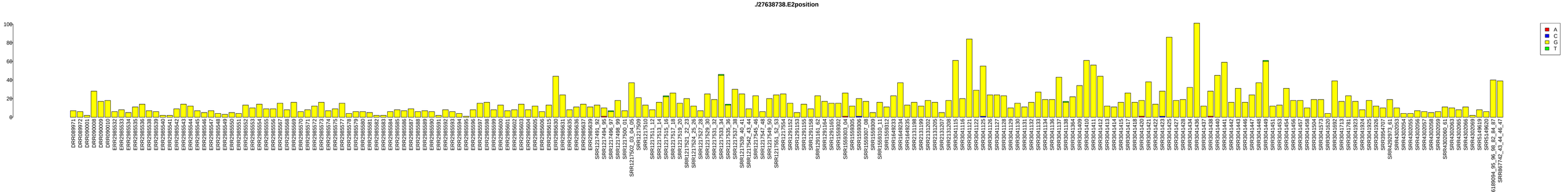

./27638734.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131203
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927_27
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

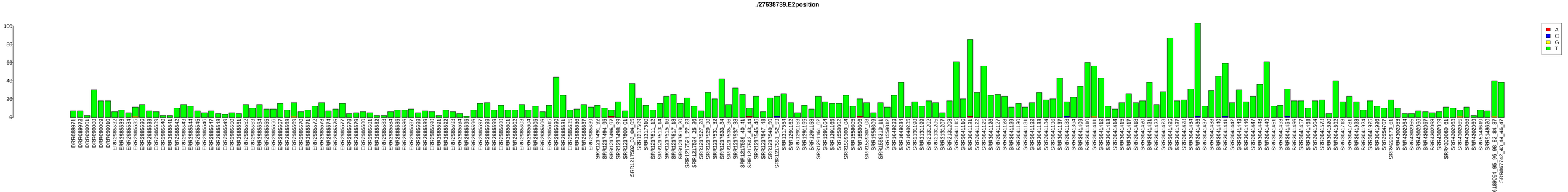
./27638735.E2position



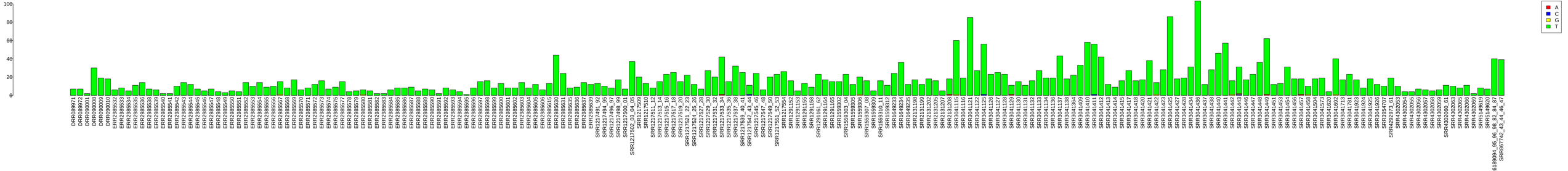

./27638736.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_50
SRR1217549_51
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302067
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638737.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

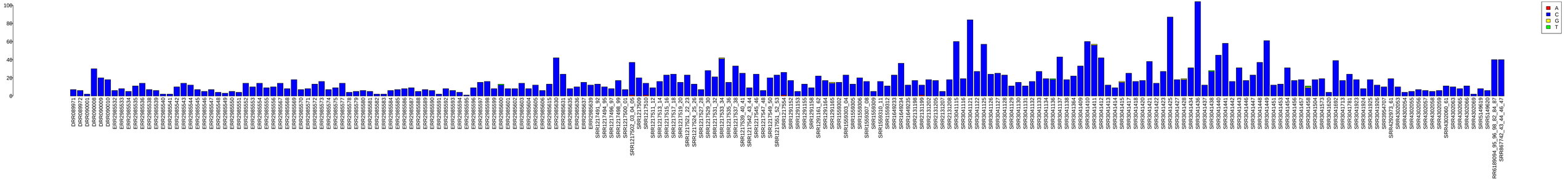

./27638738.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47


./27638739.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2865532
ERR2865533
ERR2865534
ERR2865535
ERR2865536
ERR2865538
ERR2865539
ERR2865540
ERR2865541
ERR2865542
ERR2865543
ERR2865544
ERR2865545
ERR2865546
ERR2865547
ERR2865548
ERR2865549
ERR2865550
ERR2865551
ERR2865552
ERR2865553
ERR2865554
ERR2865555
ERR2865556
ERR2865557
ERR2865558
ERR2865569
ERR2865570
ERR2865571
ERR2865572
ERR2865573
ERR2865574
ERR2865575
ERR2865576
ERR2865577
ERR2865578
ERR2865579
ERR2865580
ERR2865581
ERR2865582
ERR2865583
ERR2865584
ERR2865585
ERR2865586
ERR2865587
ERR2865588
ERR2865589
ERR2865590
ERR2865591
ERR2865592
ERR2865593
ERR2865594
ERR2865595
ERR2865596
ERR2865597
ERR2865598
ERR2865599
ERR2865600
ERR2865601
ERR2865602
ERR2865603
ERR2865604
ERR2865605
ERR2865615
ERR2865620
ERR2865621
ERR2865635
ERR2865636
ERR2865637
ERR2865638
SRR12174491_92
SRR12174494_95
SRR12174496_97
SRR12174499_100
SRR12175502_03_04_05
SRR12175509
SRR12175510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175542_43_44
SRR12175545_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554
SRR12175152
SRR12175153
SRR12175155
SRR12175158
SRR12175161_162
SRR12175164
SRR12175165
SRR12175166
SRR12175167
SRR12175168
SRR12175169
SRR12175170
SRR12175171
SRR12175172
SRR12175173
SRR12175174
SRR12175175
SRR12175176
SRR12175177
SRR12175178
SRR12175179
SRR12175180
SRR12175181
SRR12175182
SRR12175183
SRR12175184
SRR12175185
SRR12175186
SRR12175187
SRR12175188
SRR12175189
SRR12175190
SRR12175191
SRR12175192
SRR12175193
SRR12175194
SRR12175195
SRR12175196
SRR12175197
SRR12175198
SRR12175199
SRR12175200
SRR12175201
SRR12175202
SRR12175203

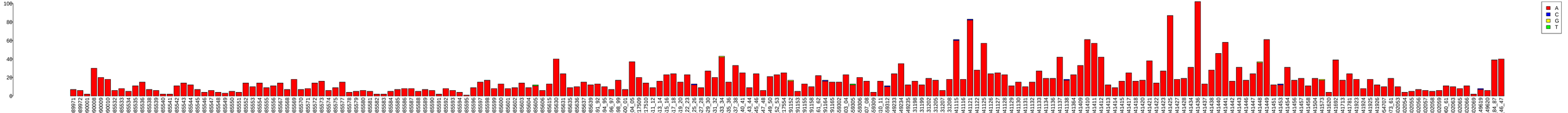
./27638740.E2position

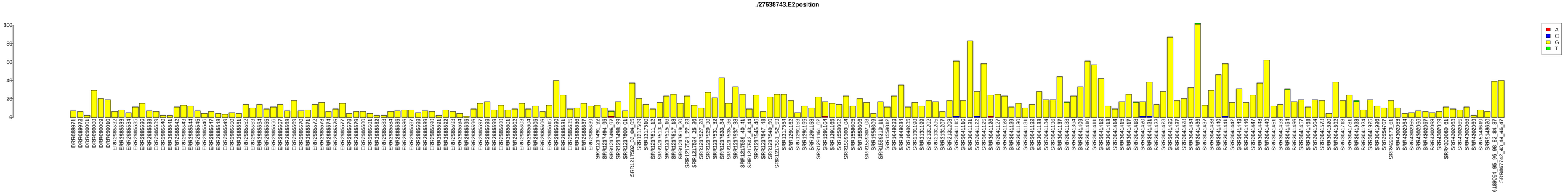


./27638741.E2position

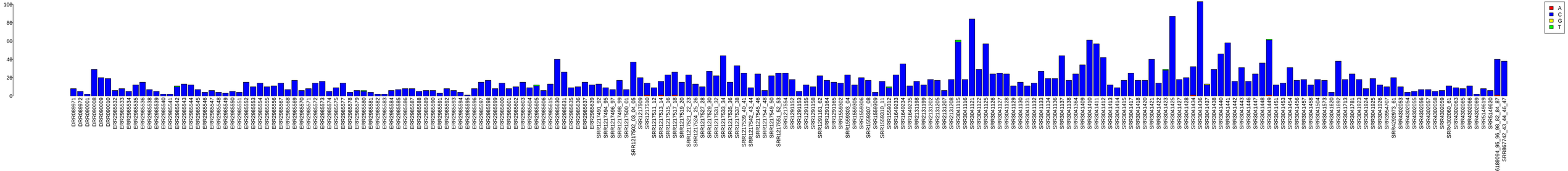


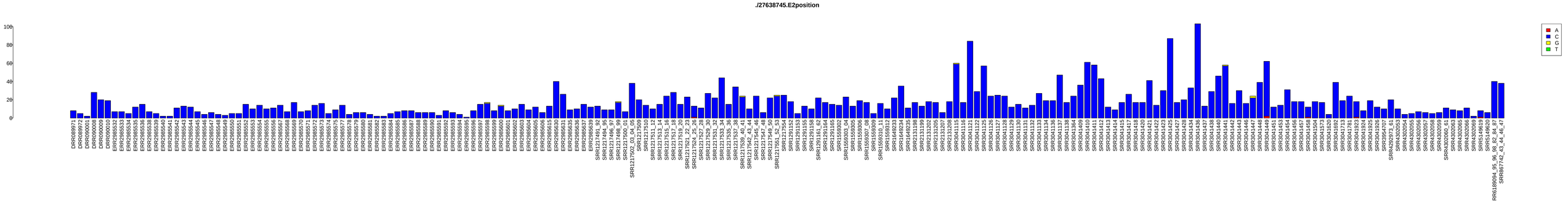
./27638742.E2position



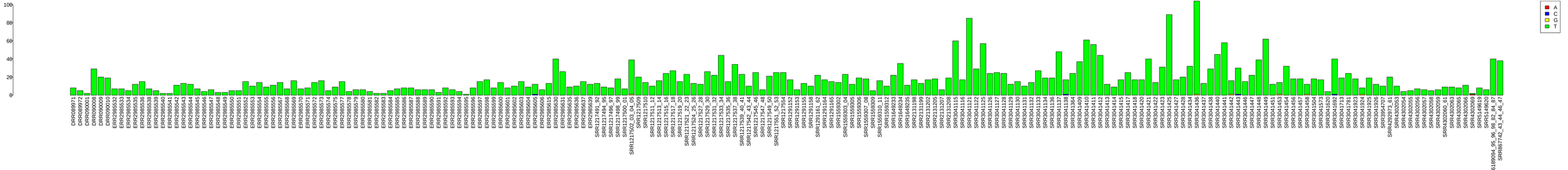

./27638743.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172491_92
SRR12172494_95
SRR12172496_99
SRR12172500_01
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25_26
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1648232
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041691
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638744.E2position

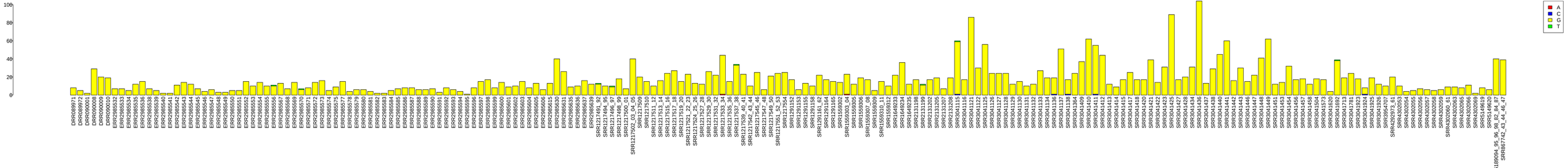



./27638745.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_32
SRR1217494_95
SRR1217496_89
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_43
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

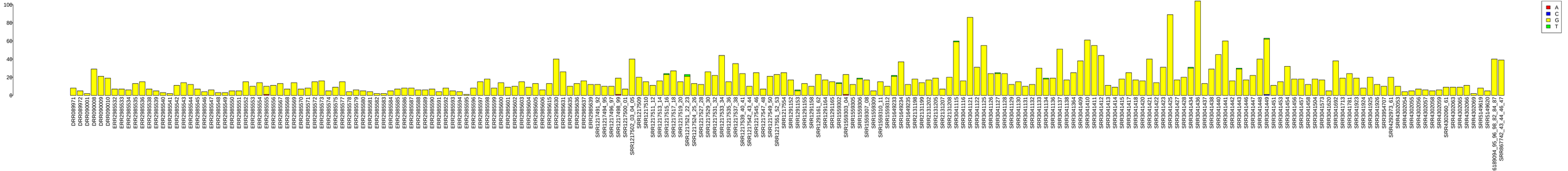
./27638746.E2position



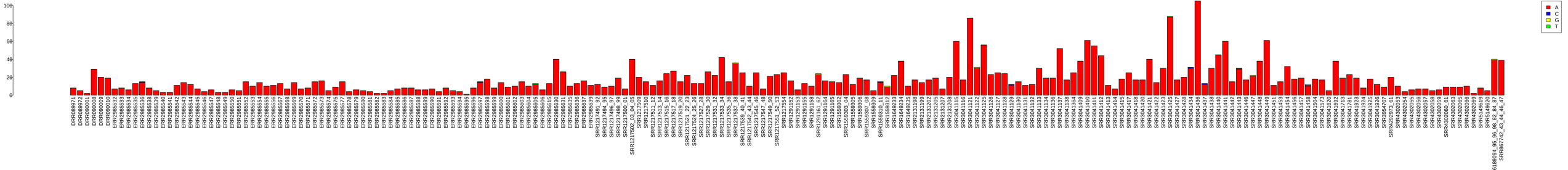
./27638747.E2position

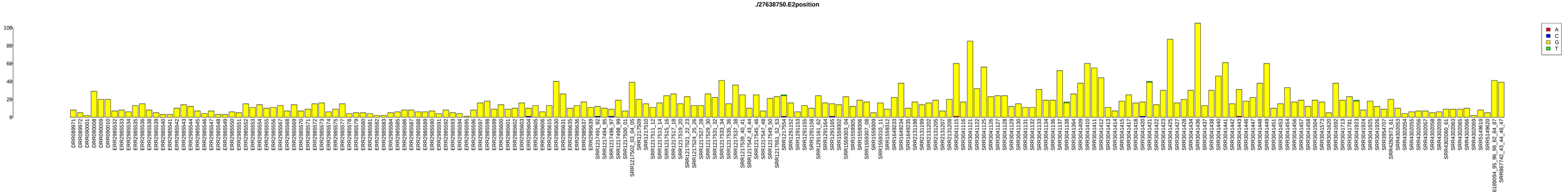


./27638748.E2position

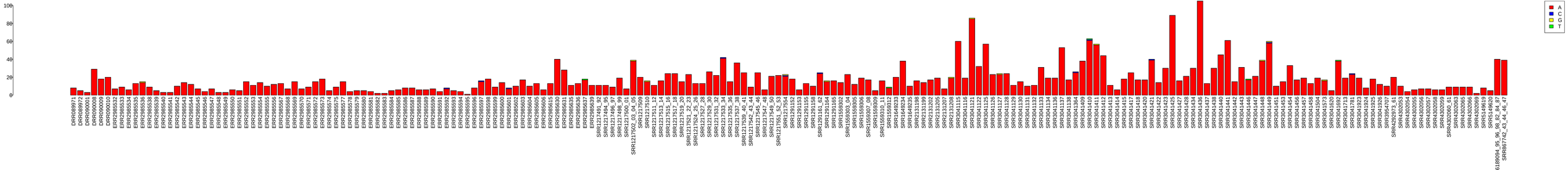


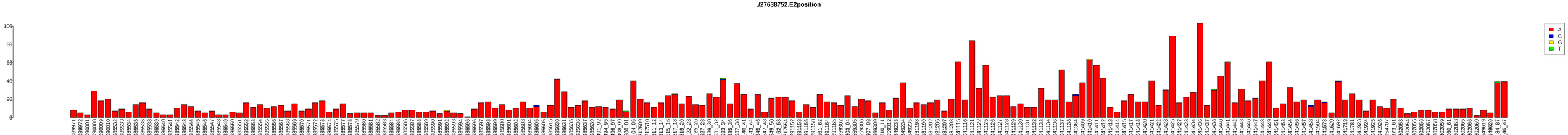
./27638749.E2position

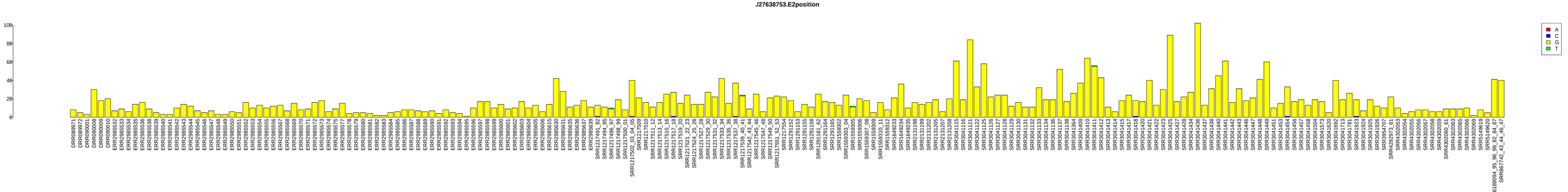



./27638750.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041135
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

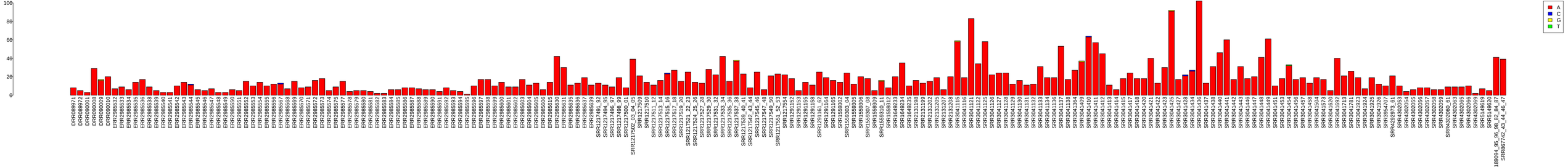
./27638751.E2position



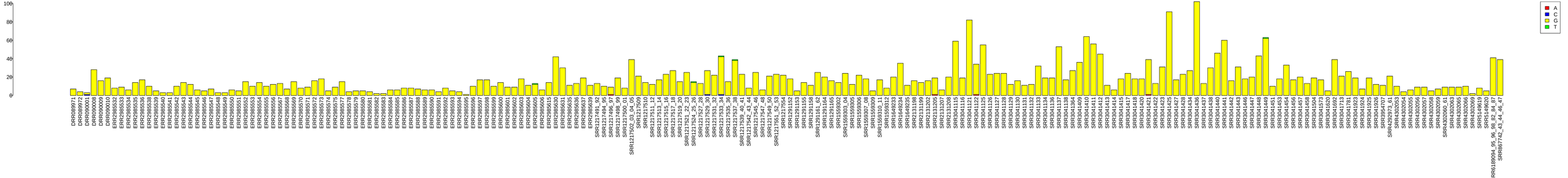

./27638752.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041921
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062_63
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638753.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131204
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148621
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

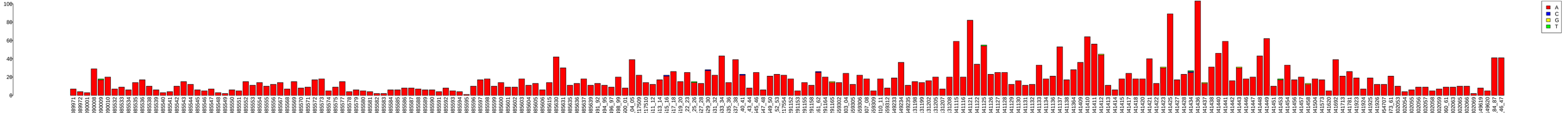
./27638754.E2position



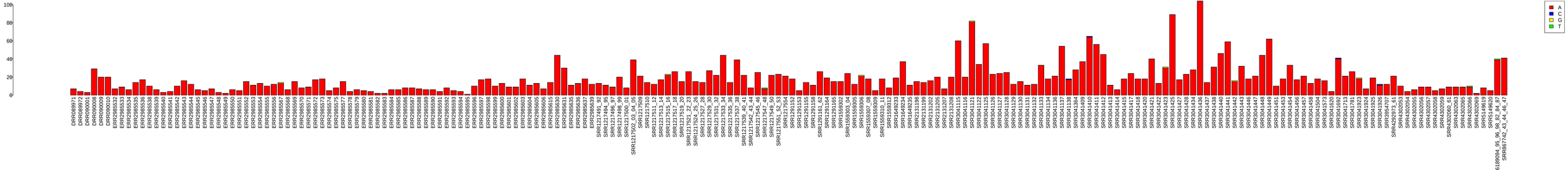
./27638755.E2position



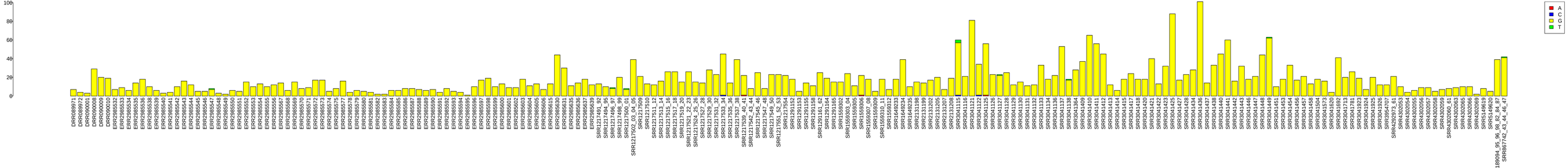
./27638756.E2position

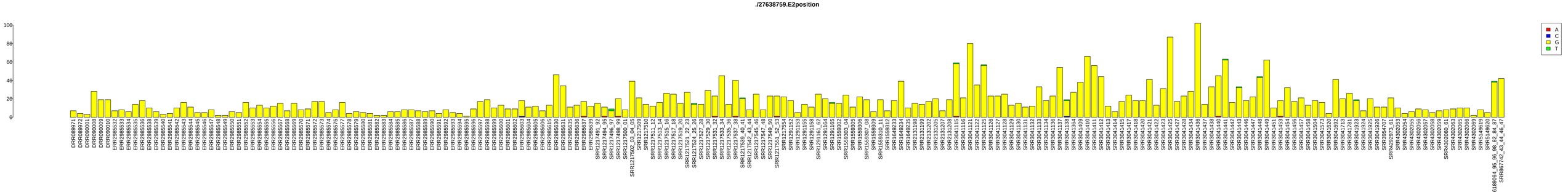


./27638757.E2position

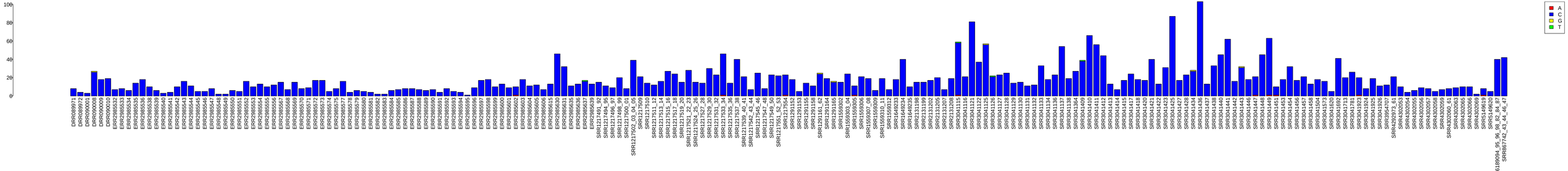


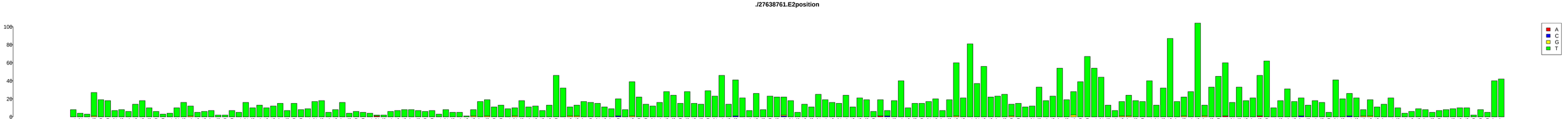
./27638758.E2position



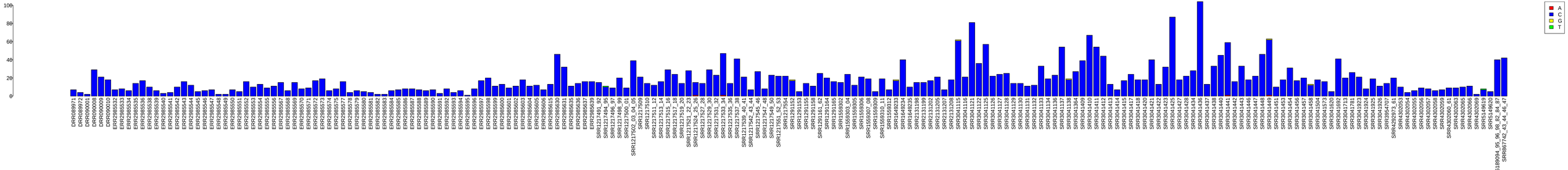

./27638759.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27638760.E2position

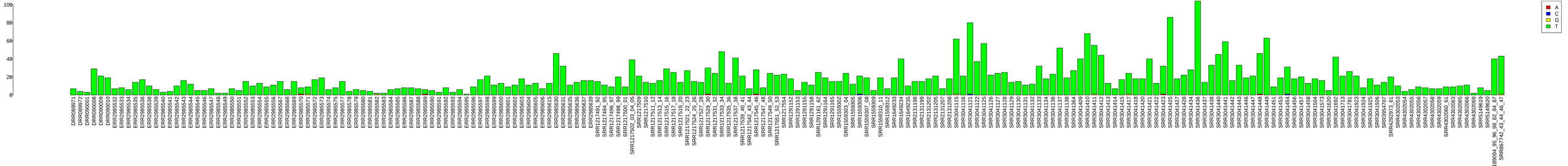



./27638761.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202971_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302067
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

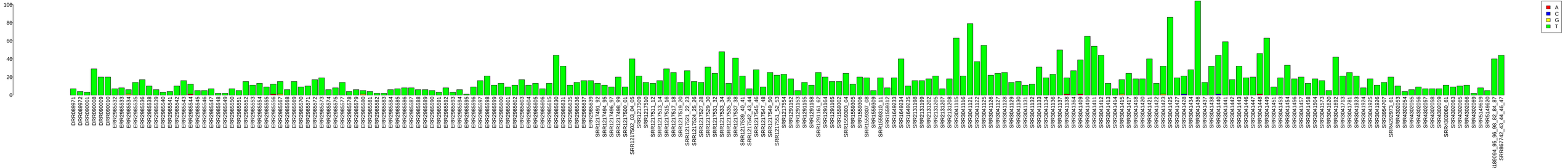
./27638762.E2position

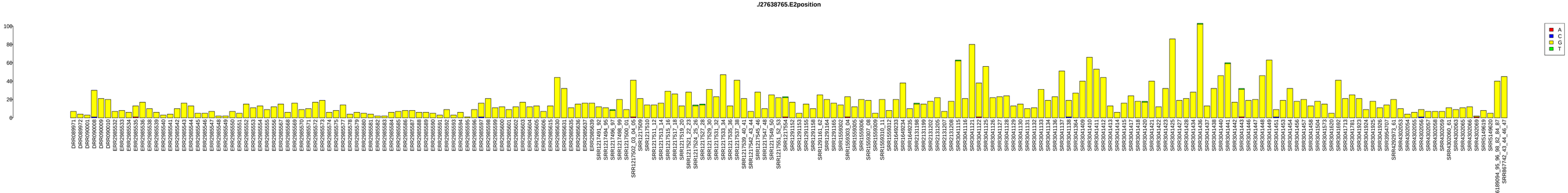


./27638763.E2position

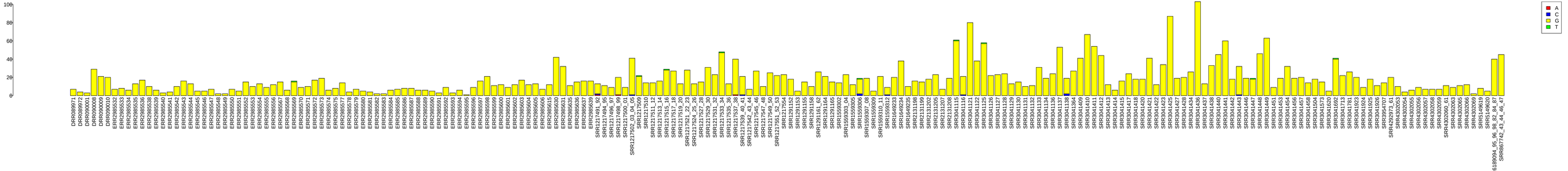


./27638764.E2position

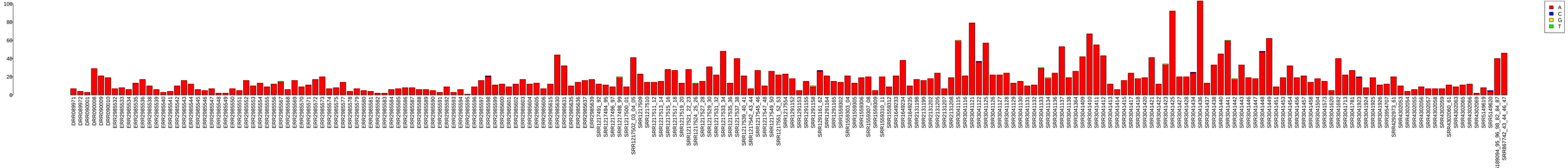



./27638765.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

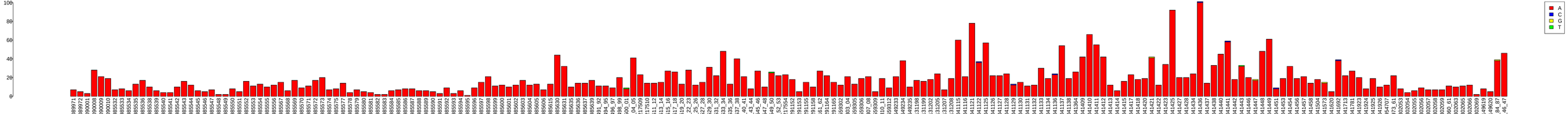
./27638766.E2position



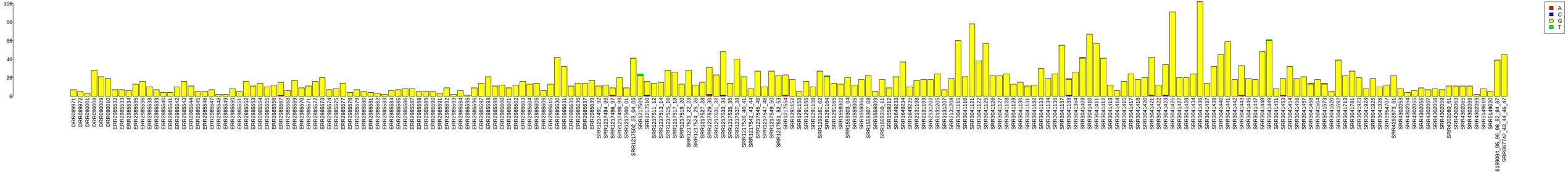
./27638767.E2position

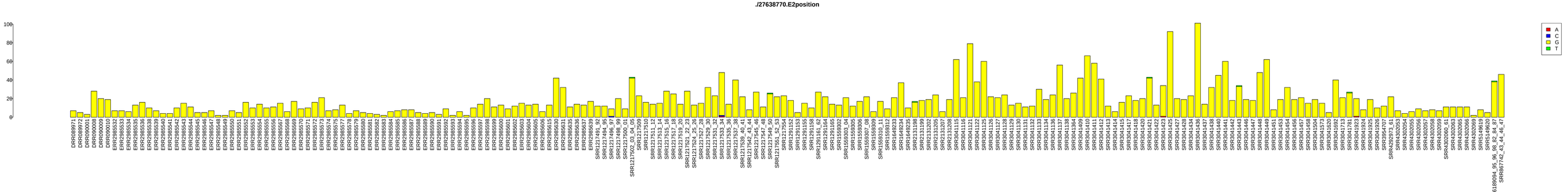


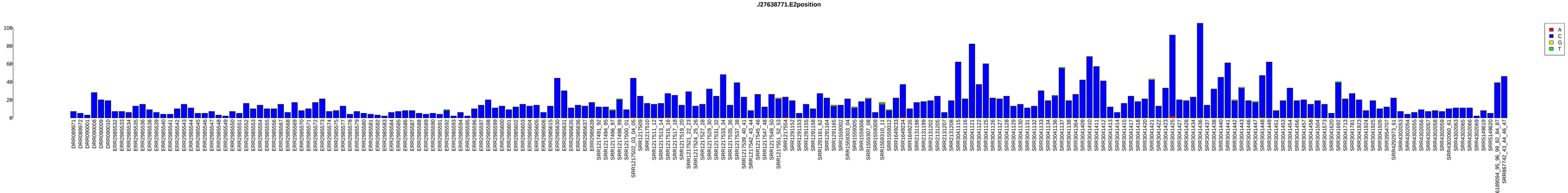
./27638768.E2position

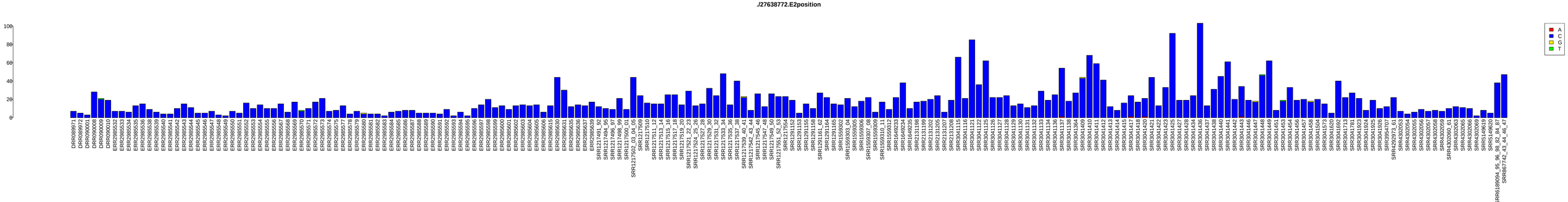


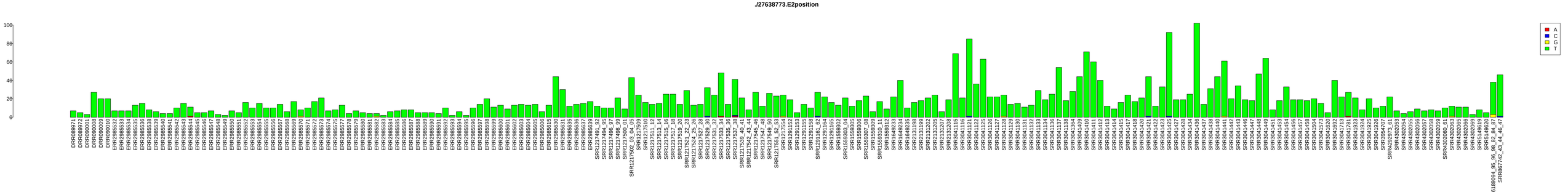
./27638769.E2position



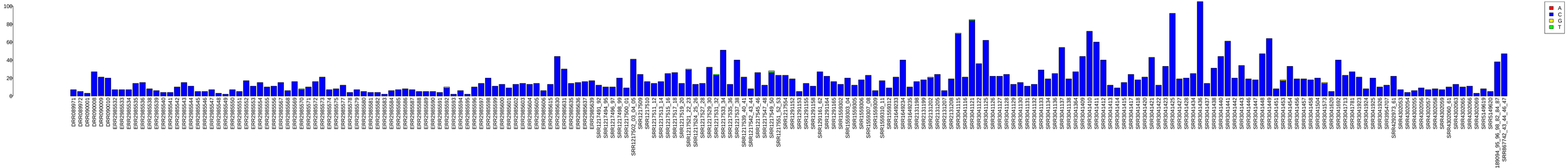

./27638770.E2position
100
80
60
40
20
0
A
C
G
T


./27638771.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985657
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649224
SRR1649225
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970_71
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

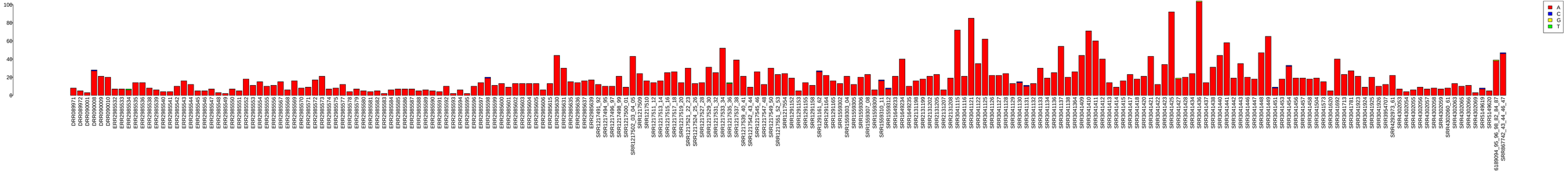

./27638772.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_32
SRR1217494_95
SRR1217496_69
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_09
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282971
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638773.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217536_38
SRR1217537_39
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

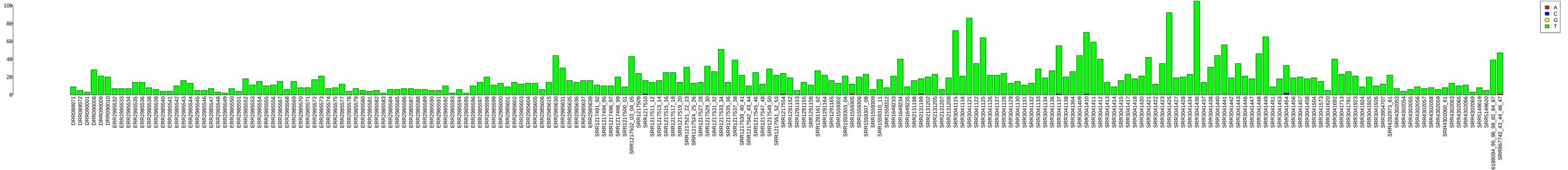
./27638774.E2position

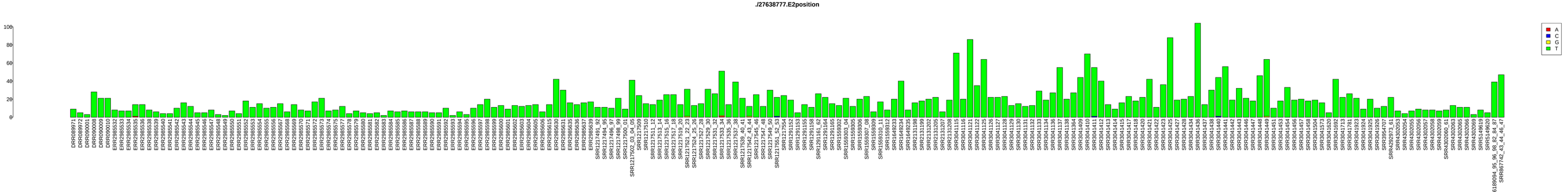


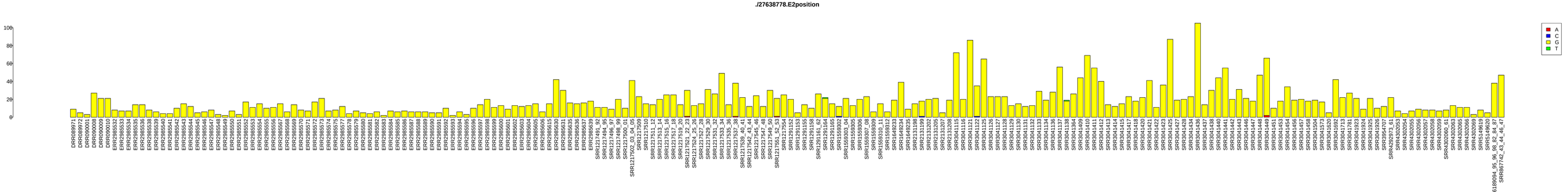
./27638775.E2position

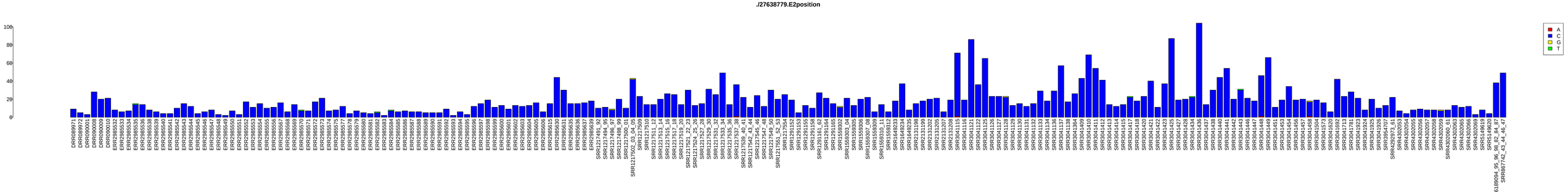


./27638776.E2position

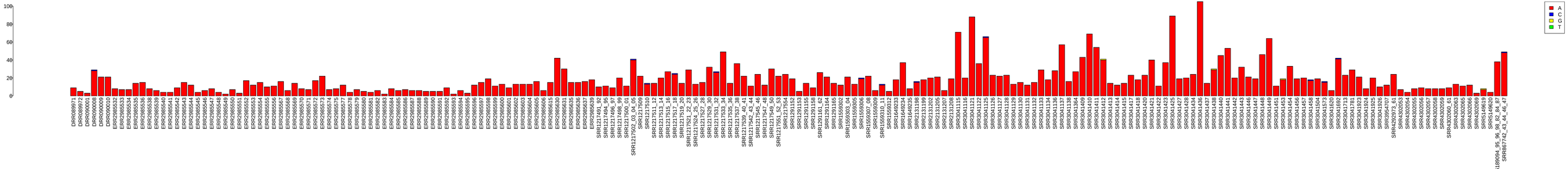


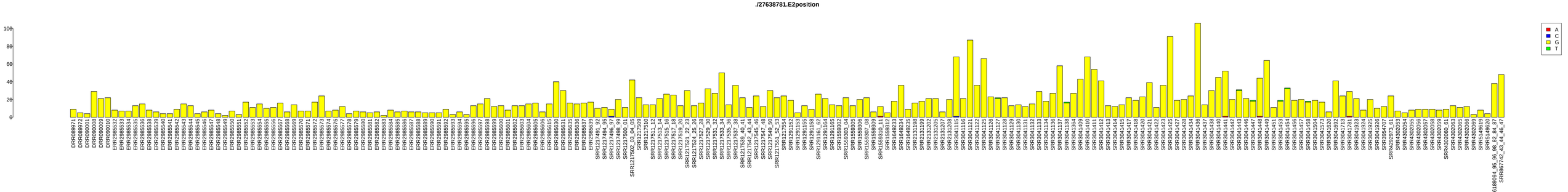

./27638777.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1291166
SRR1291167
SRR1291168
SRR1291169
SRR1291170
SRR1291171
SRR1291172
SRR1291173
SRR1291174
SRR1291175
SRR1291176
SRR1291177
SRR1291178
SRR1291179
SRR1291180
SRR1291181
SRR1291182
SRR1291183
SRR1291184
SRR1291185
SRR1291186
SRR1291187
SRR1291188
SRR1291189
SRR1291190
SRR1291191
SRR1291192
SRR1291193
SRR1291194
SRR1291195
SRR1291196
SRR1291197
SRR1291198
SRR1291199
SRR1291200
SRR1291201
SRR1291202
SRR1291203
SRR1291204
SRR1291205
SRR1291206
SRR1291207
SRR1291208
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131203
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041140
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4202973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302068
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638778.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

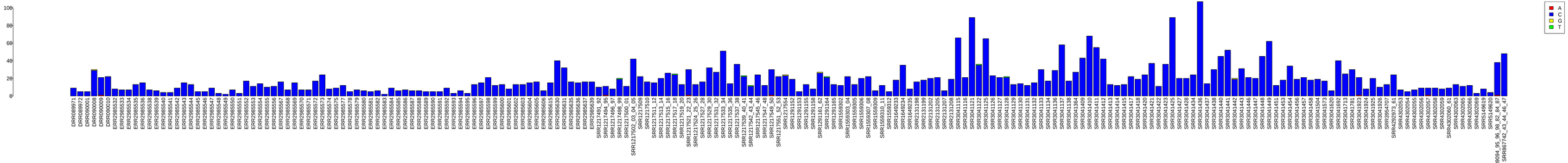

./27638779.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985657
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282971
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638780.E2position

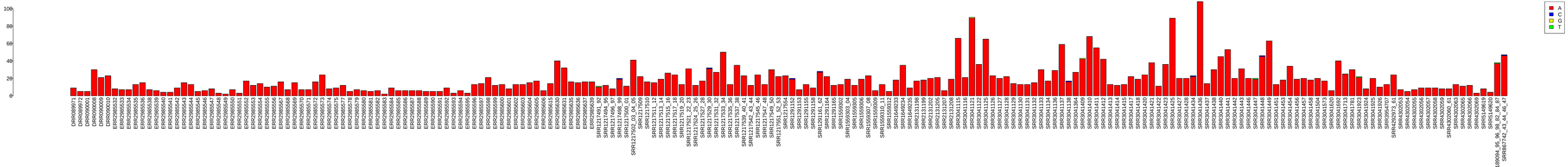



./27638781.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_111
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

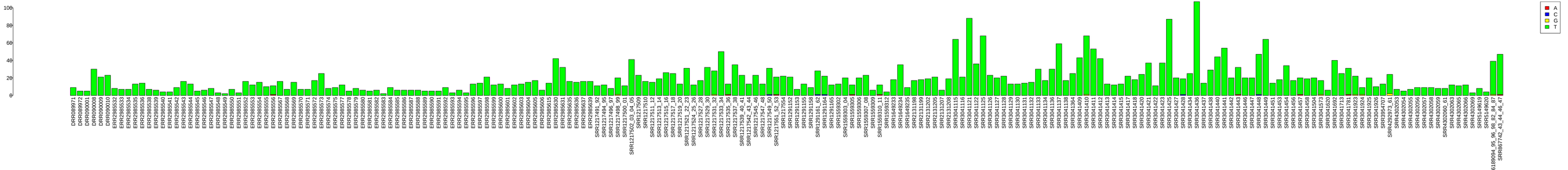
./27638782.E2position

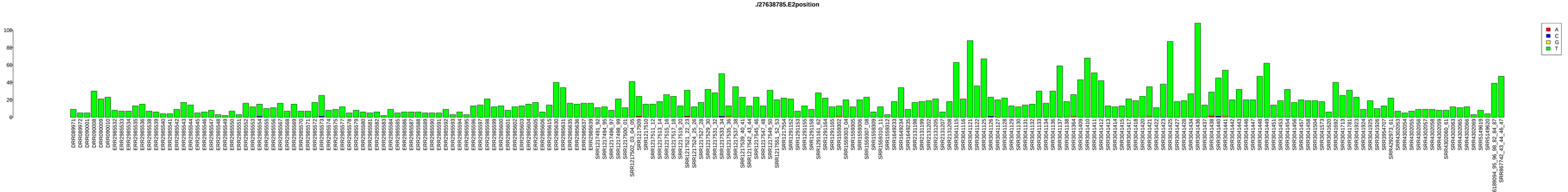


./27638783.E2position

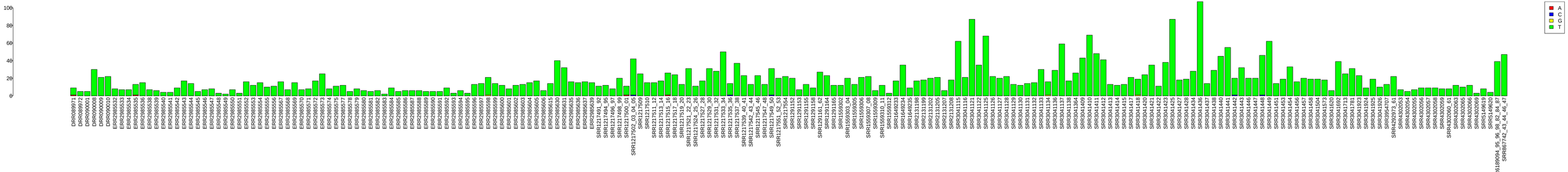


./27638784.E2position

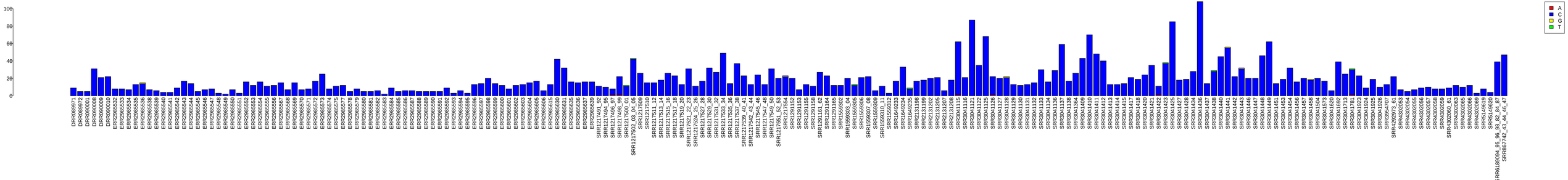



./27638785.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_99
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148631
SRR5148632
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

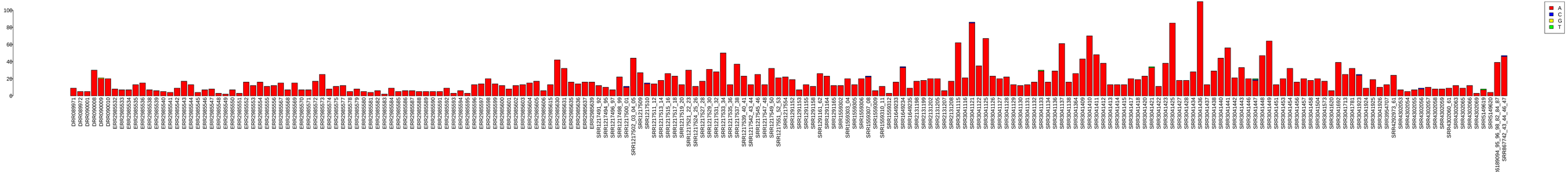
./27638786.E2position



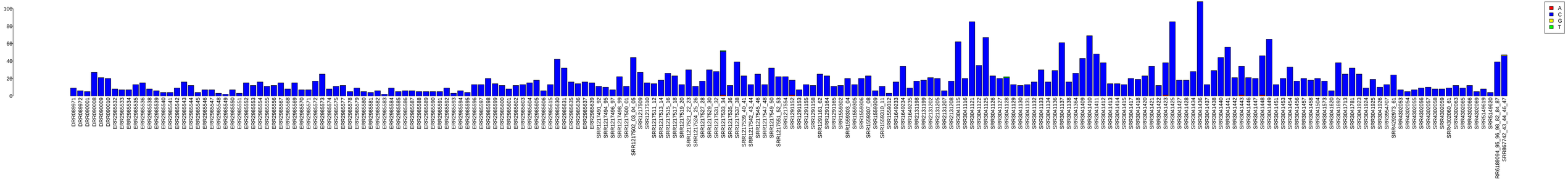
./27638787.E2position

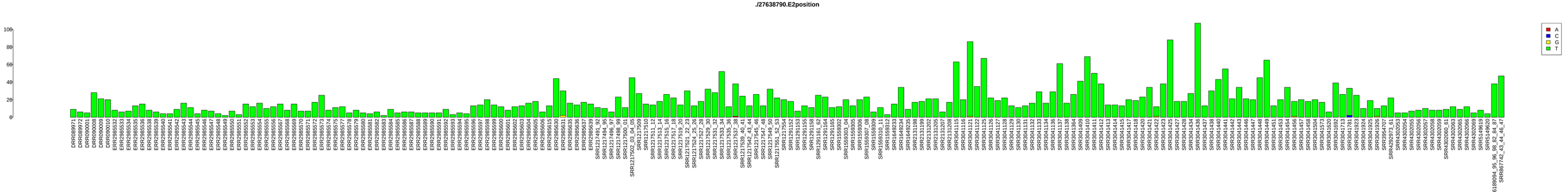


./27638788.E2position

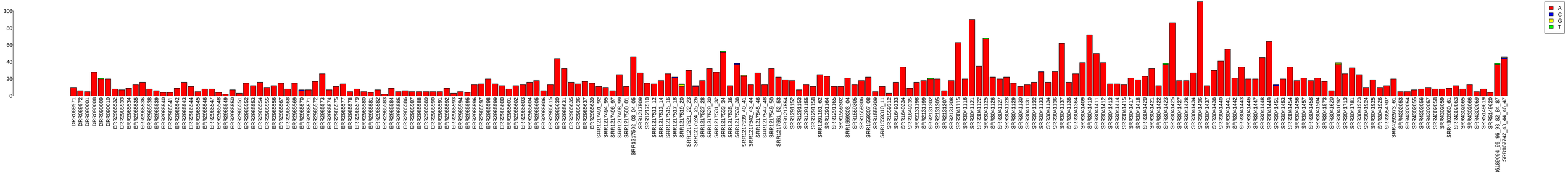


./27638789.E2position

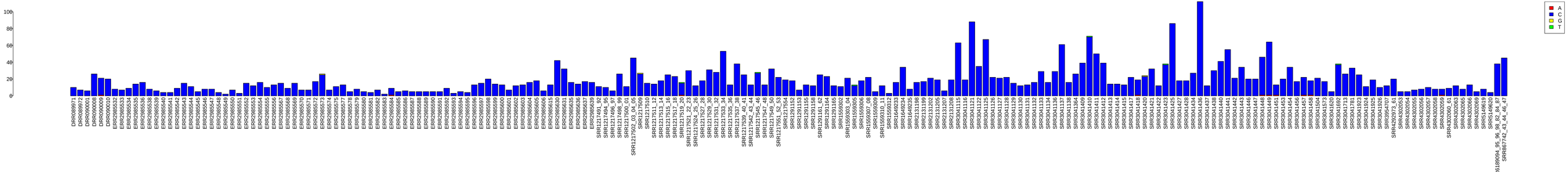



./27638790.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041731
SRR3041733
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5149619
SRR5149620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

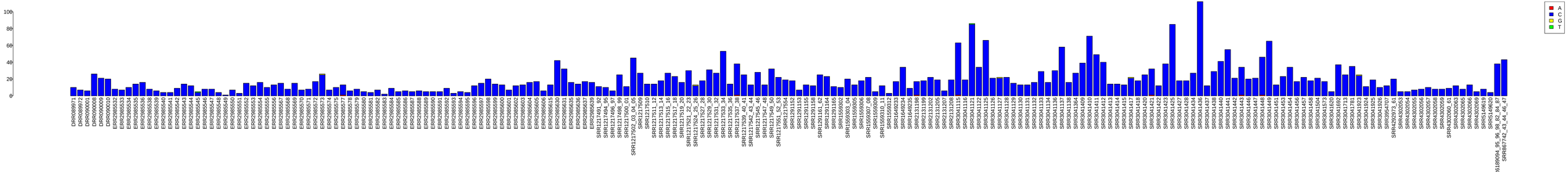
./27638791.E2position



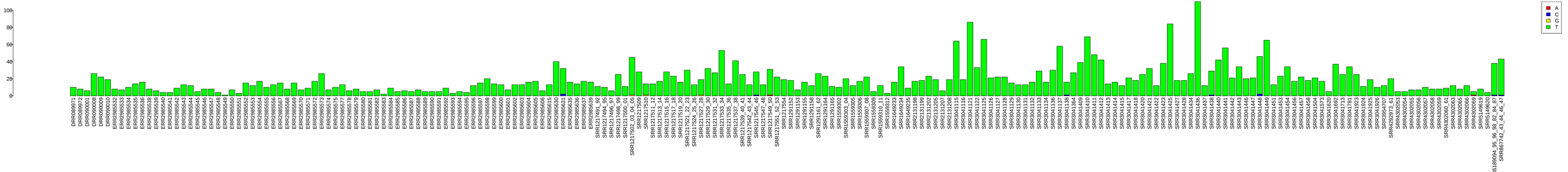
./27638792.E2position



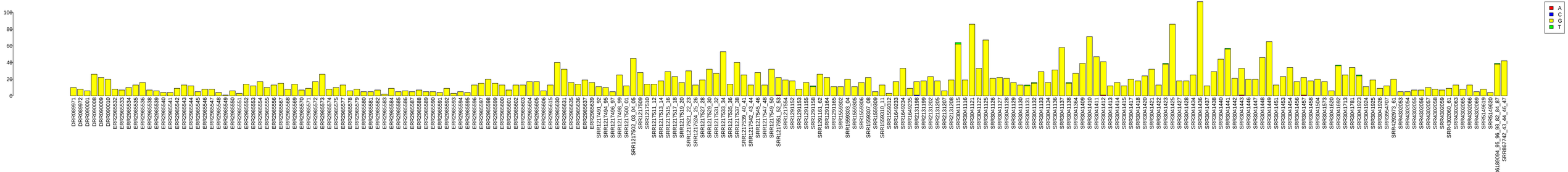
./27638793.E2position



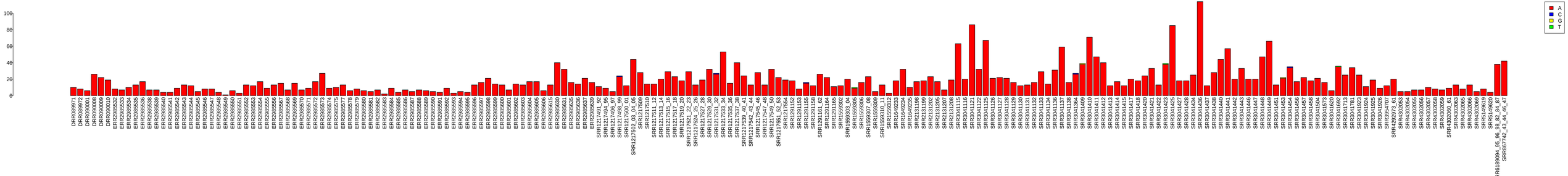
./27638794.E2position



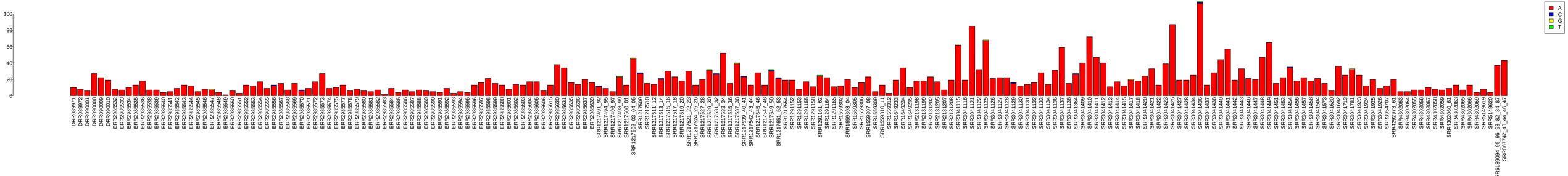
./27638795.E2position



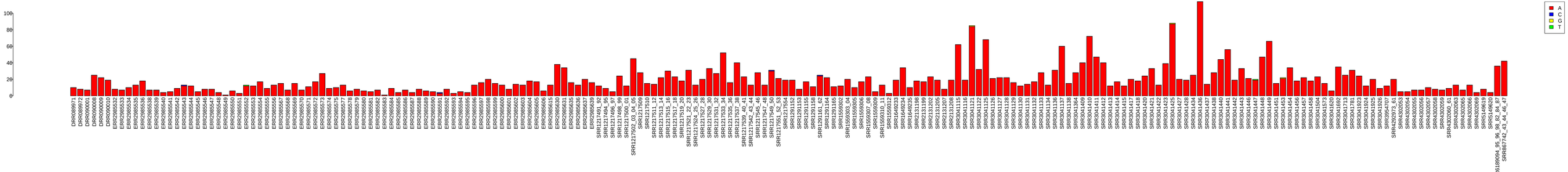
./27638796.E2position



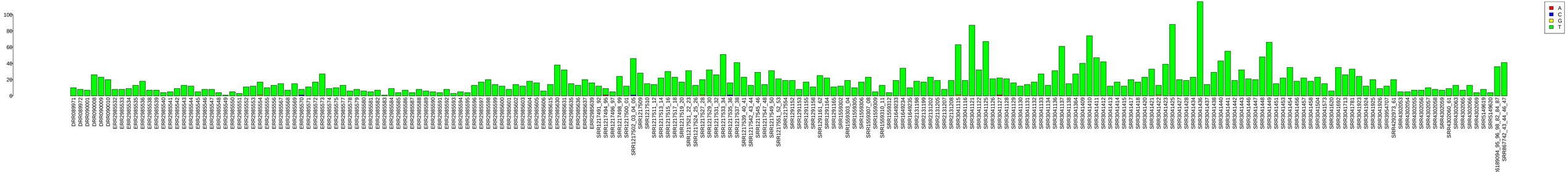
./27638797.E2position

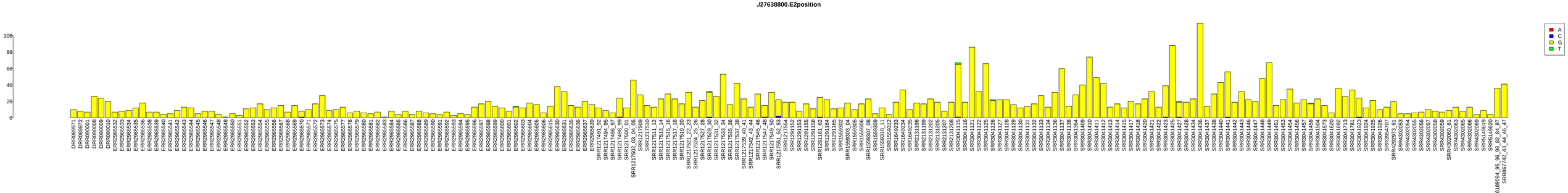


./27638798.E2position

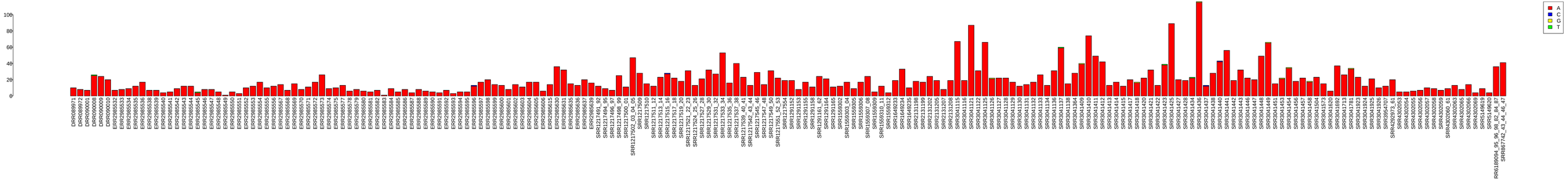


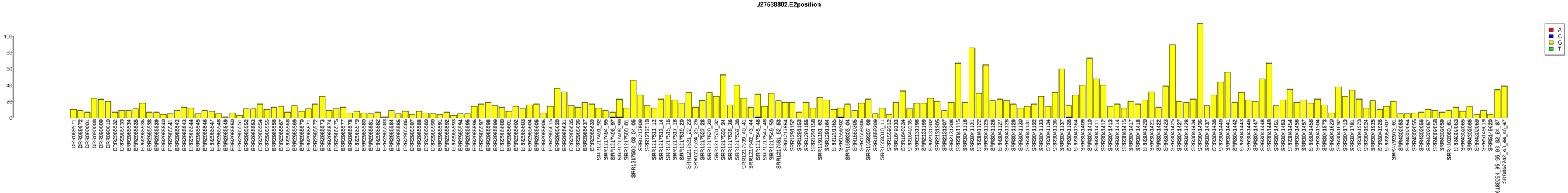
./27638799.E2position

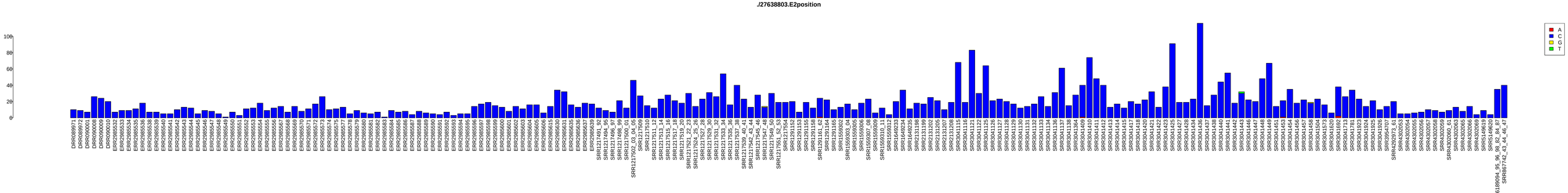


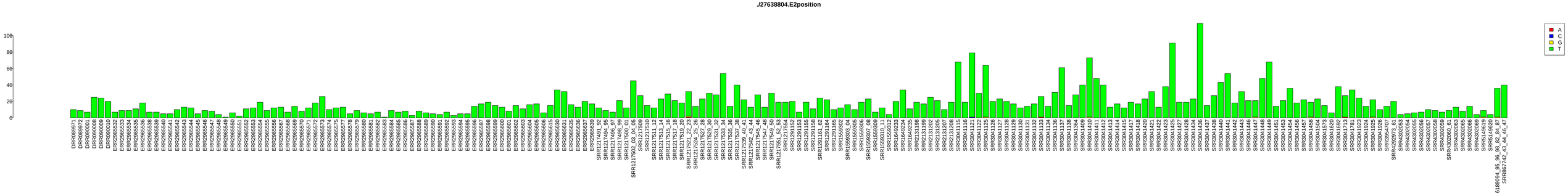

./27638800.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2865532
ERR2865533
ERR2865534
ERR2865535
ERR2865536
ERR2865538
ERR2865539
ERR2865540
ERR2865541
ERR2865542
ERR2865543
ERR2865544
ERR2865545
ERR2865546
ERR2865547
ERR2865548
ERR2865549
ERR2865550
ERR2865551
ERR2865552
ERR2865553
ERR2865554
ERR2865555
ERR2865556
ERR2865568
ERR2865569
ERR2865570
ERR2865571
ERR2865572
ERR2865573
ERR2865574
ERR2865575
ERR2865576
ERR2865577
ERR2865578
ERR2865579
ERR2865580
ERR2865581
ERR2865582
ERR2865583
ERR2865584
ERR2865585
ERR2865586
ERR2865587
ERR2865588
ERR2865589
ERR2865590
ERR2865591
ERR2865592
ERR2865593
ERR2865594
ERR2865595
ERR2865596
ERR2865597
ERR2865598
ERR2865599
ERR2865600
ERR2865601
ERR2865602
ERR2865603
ERR2865604
ERR2865605
ERR2865615
ERR2865630
ERR2865631
ERR2865635
ERR2865636
ERR2865637
ERR2865638
SRR1217491_92
SRR1217494_95
SRR1217496_96
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5149619
SRR5149620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638801.E2position

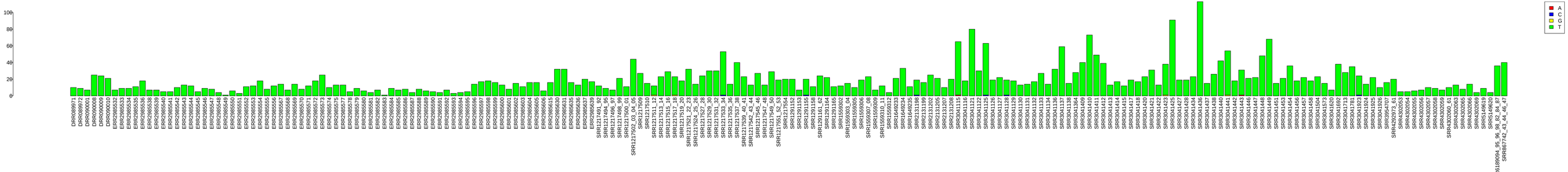



./27638802.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2865532
ERR2865533
ERR2865534
ERR2865535
ERR2865536
ERR2865538
ERR2865539
ERR2865540
ERR2865541
ERR2865542
ERR2865543
ERR2865544
ERR2865545
ERR2865546
ERR2865547
ERR2865548
ERR2865549
ERR2865550
ERR2865551
ERR2865552
ERR2865553
ERR2865554
ERR2865555
ERR2865556
ERR2865568
ERR2865569
ERR2865570
ERR2865571
ERR2865572
ERR2865573
ERR2865574
ERR2865575
ERR2865576
ERR2865577
ERR2865578
ERR2865579
ERR2865580
ERR2865581
ERR2865582
ERR2865583
ERR2865584
ERR2865585
ERR2865586
ERR2865587
ERR2865588
ERR2865589
ERR2865590
ERR2865591
ERR2865592
ERR2865593
ERR2865594
ERR2865595
ERR2865596
ERR2865597
ERR2865598
ERR2865599
ERR2865600
ERR2865601
ERR2865602
ERR2865603
ERR2865604
ERR2865605
ERR2865615
ERR2865630
ERR2865631
ERR2865635
ERR2865636
ERR2865637
ERR2865638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_34
SRR1217533_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970_71
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148615
SRR5148616
SRR6189094_95_96_98_82_84_87
SRR8677424_43_44_46_47

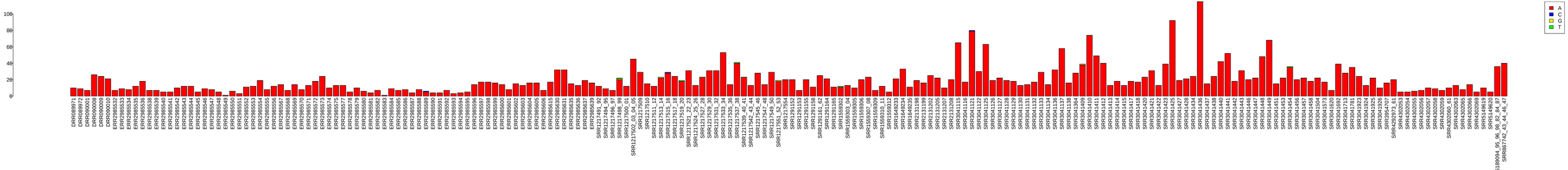

./27638803.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2865532
ERR2865533
ERR2865534
ERR2865535
ERR2865536
ERR2865538
ERR2865539
ERR2865540
ERR2865541
ERR2865542
ERR2865543
ERR2865544
ERR2865545
ERR2865546
ERR2865547
ERR2865548
ERR2865549
ERR2865550
ERR2865551
ERR2865552
ERR2865553
ERR2865554
ERR2865555
ERR2865556
ERR2865558
ERR2865569
ERR2865570
ERR2865571
ERR2865572
ERR2865573
ERR2865574
ERR2865575
ERR2865577
ERR2865578
ERR2865579
ERR2865580
ERR2865581
ERR2865582
ERR2865583
ERR2865584
ERR2865585
ERR2865586
ERR2865587
ERR2865588
ERR2865589
ERR2865590
ERR2865591
ERR2865592
ERR2865593
ERR2865594
ERR2865595
ERR2865596
ERR2865597
ERR2865598
ERR2865599
ERR2865600
ERR2865601
ERR2865602
ERR2865603
ERR2865604
ERR2865605
ERR2865606
ERR2865615
ERR2865630
ERR2865631
ERR2865635
ERR2865636
ERR2865637
ERR2865638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649224
SRR1649225
SRR1649235
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041723
SRR3041921
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282972_73
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5149619
SRR5149621
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638804.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2865532
ERR2865533
ERR2865534
ERR2865535
ERR2865536
ERR2865538
ERR2865539
ERR2865540
ERR2865541
ERR2865542
ERR2865543
ERR2865544
ERR2865545
ERR2865546
ERR2865547
ERR2865548
ERR2865549
ERR2865550
ERR2865551
ERR2865552
ERR2865553
ERR2865554
ERR2865555
ERR2865556
ERR2865568
ERR2865569
ERR2865570
ERR2865571
ERR2865572
ERR2865573
ERR2865574
ERR2865575
ERR2865577
ERR2865578
ERR2865579
ERR2865580
ERR2865581
ERR2865582
ERR2865583
ERR2865584
ERR2865585
ERR2865586
ERR2865587
ERR2865588
ERR2865589
ERR2865590
ERR2865591
ERR2865592
ERR2865593
ERR2865594
ERR2865595
ERR2865596
ERR2865597
ERR2865598
ERR2865599
ERR2865600
ERR2865601
ERR2865602
ERR2865603
ERR2865604
ERR2865605
ERR2865615
ERR2865630
ERR2865631
ERR2865635
ERR2865636
ERR2865637
ERR2865638
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

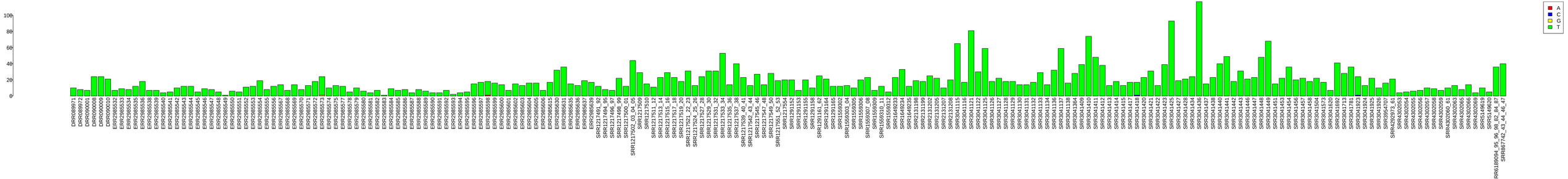
./27638805.E2position



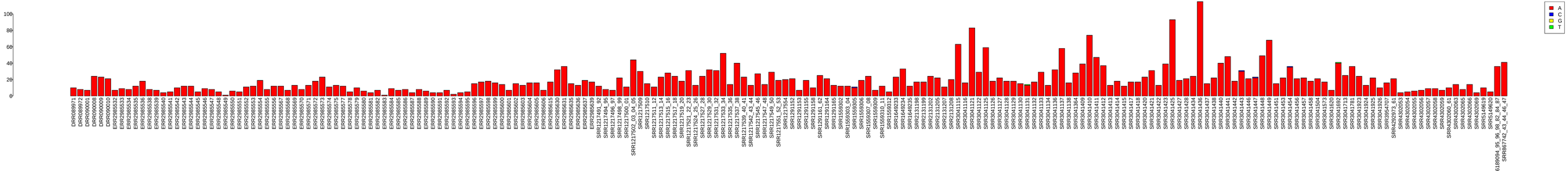
./27638806.E2position



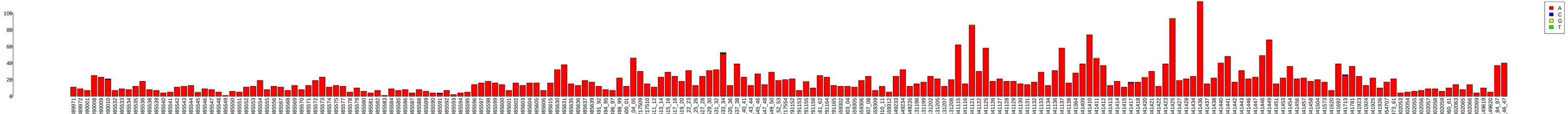
./27638807.E2position



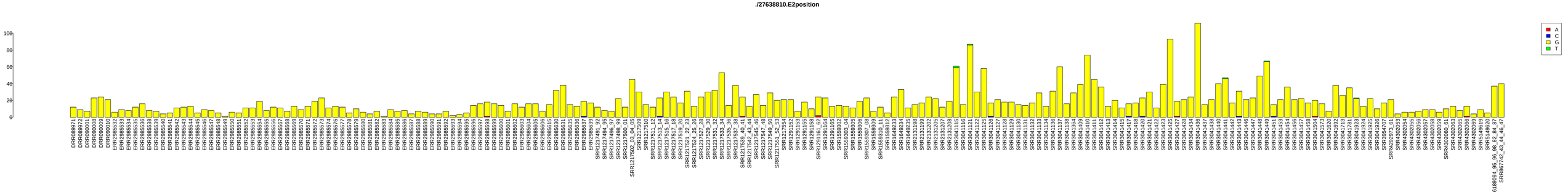
./27638808.E2position



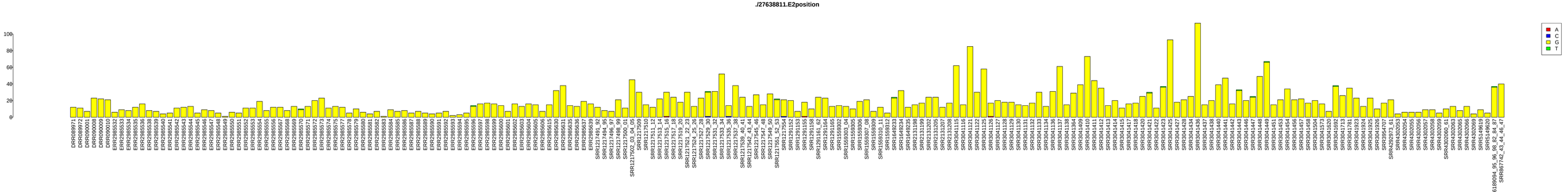
./27638809.E2position

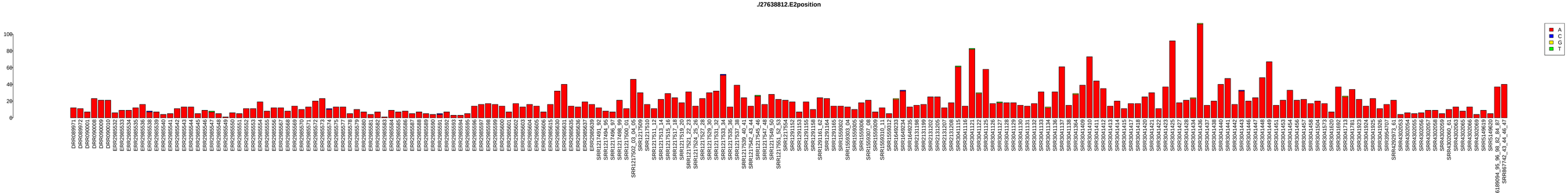


./27638810.E2position

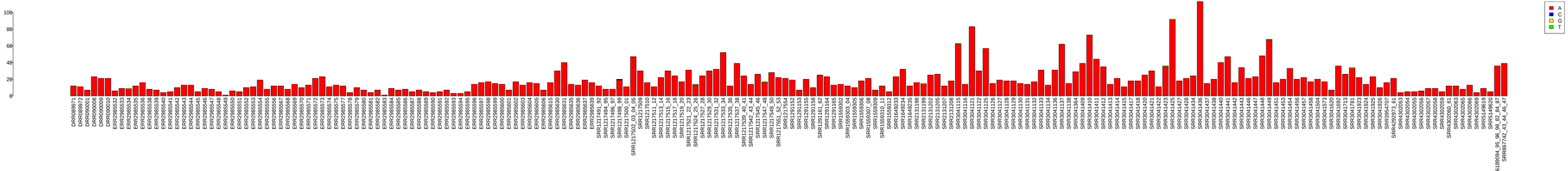


./27638811.E2position

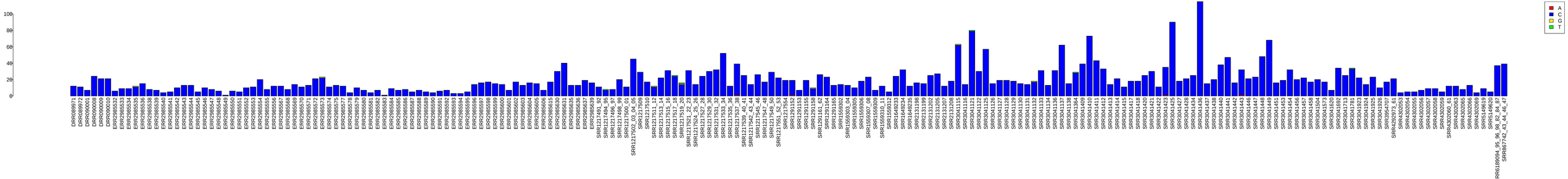



./27638812.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041921
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

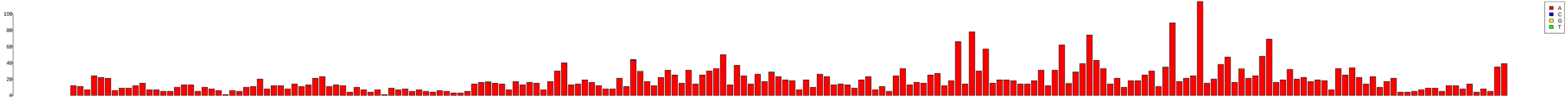
./27638813.E2position

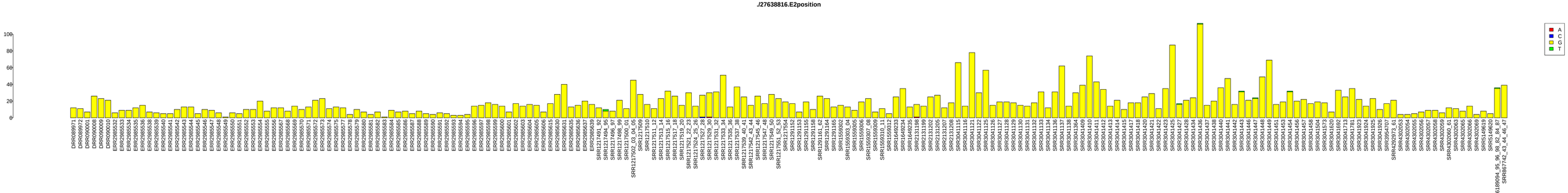


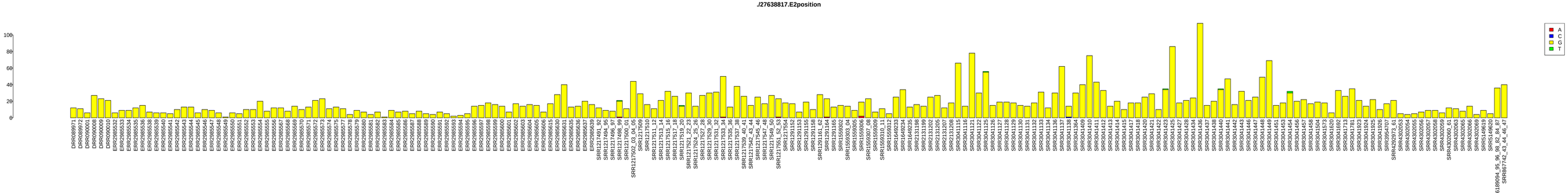
./27638814.E2position

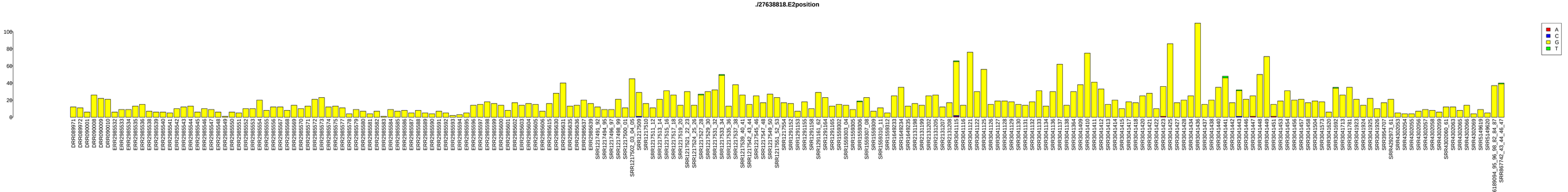


./27638815.E2position

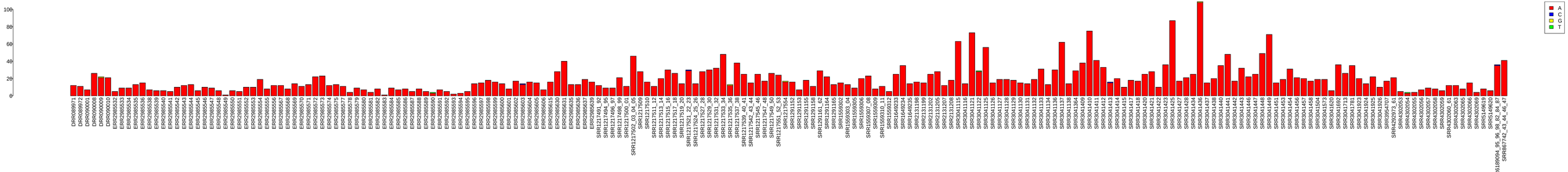


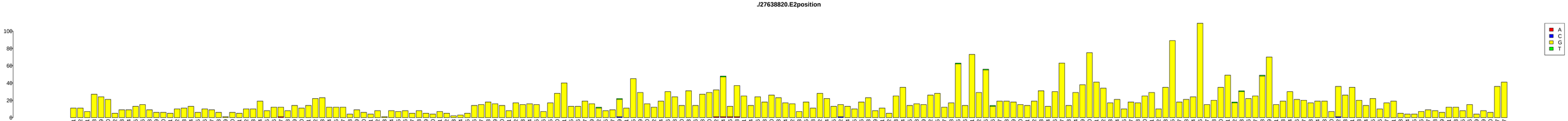

./27638816.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217498_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5149619
SRR5149620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

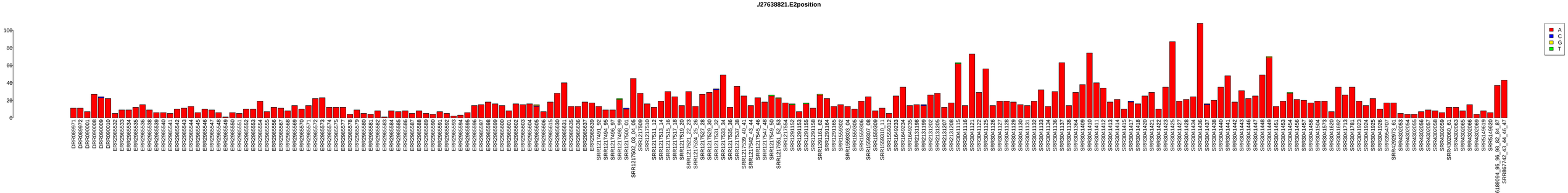

./27638817.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217496_99
SRR1217500_10
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

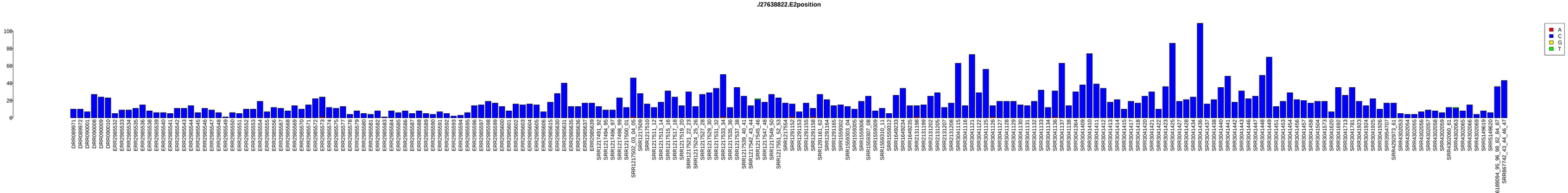

./27638818.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638819.E2position

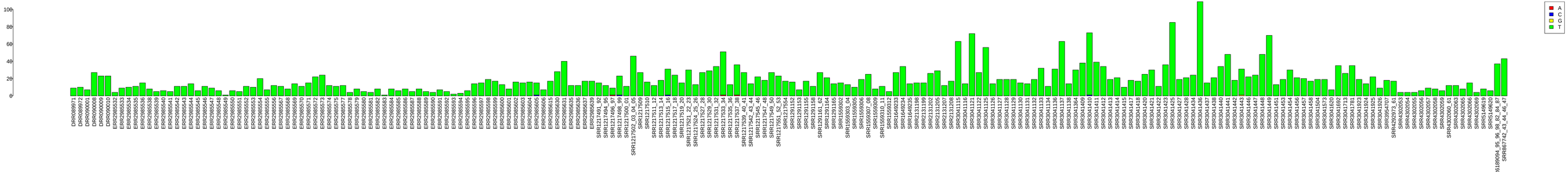



./27638820.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

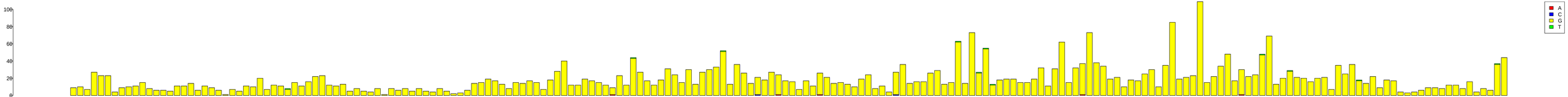

./27638821.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041921
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638822.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985559
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_32
SRR1217494_95
SRR1217496_69
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48_49
SRR1217550_90
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041459
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282907
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

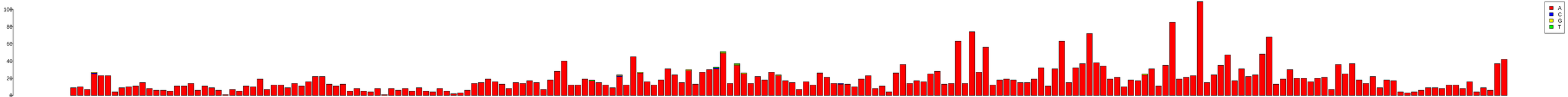
./27638823.E2position



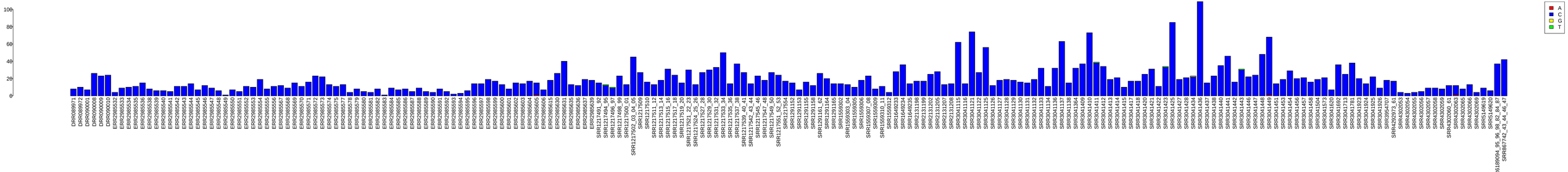
./27638824.E2position



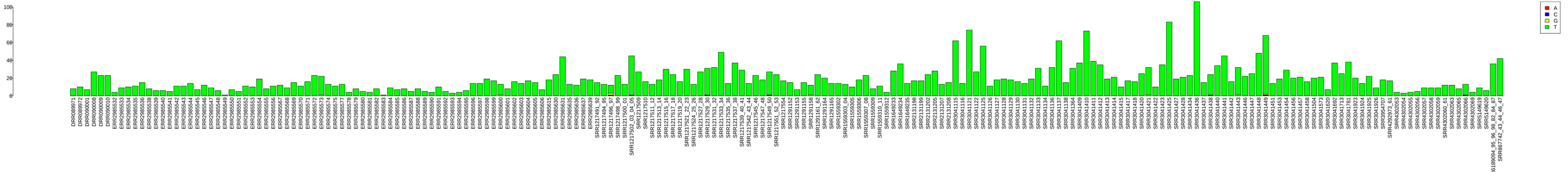
./27638825.E2position



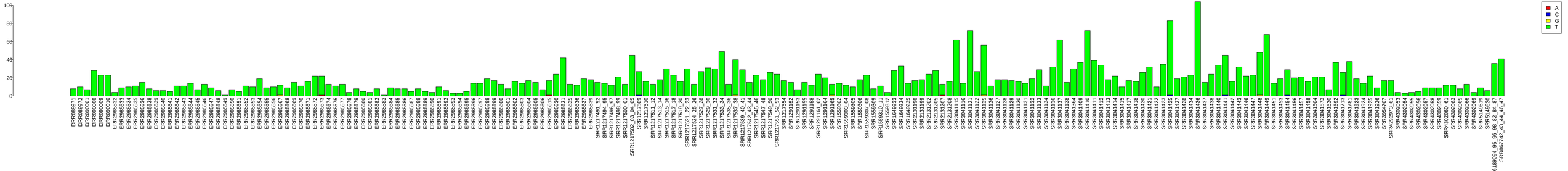
./27638826.E2position



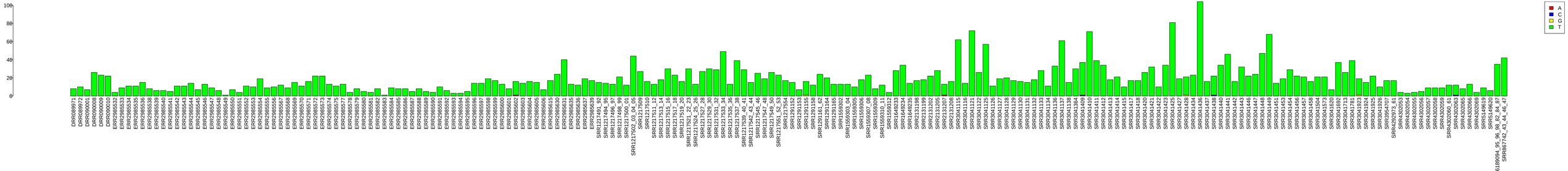
./27638827.E2position

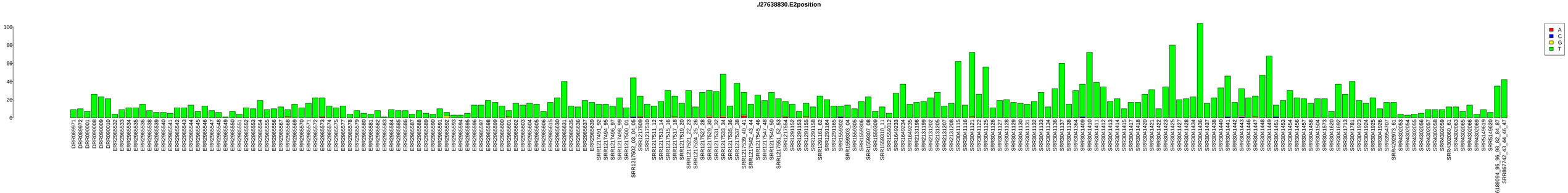


./27638828.E2position

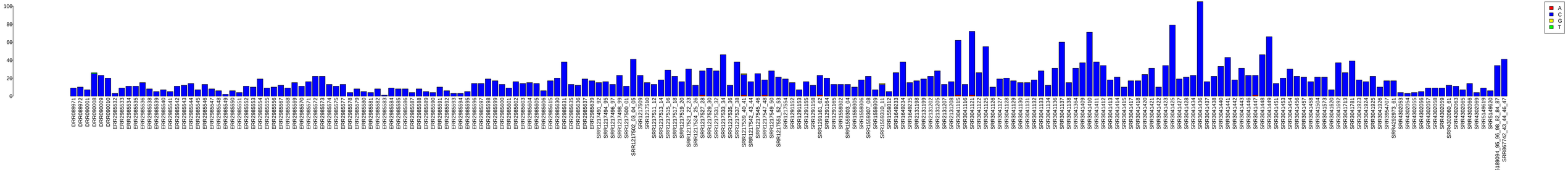


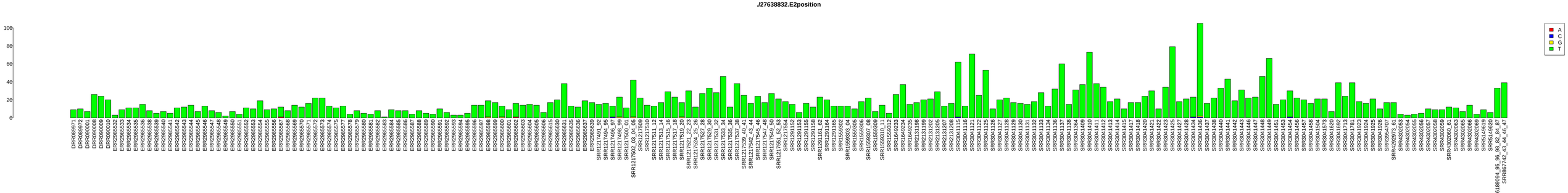
./27638829.E2position

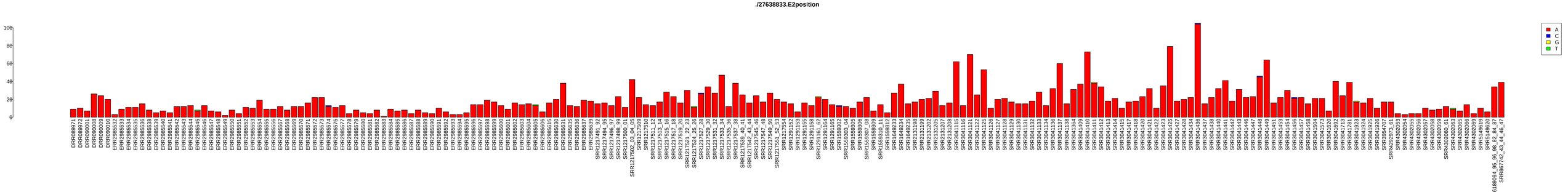

100
80
60
40
20
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172491_92
SRR12172494_95
SRR12172496_99
SRR12172500_01
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172528_30
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_162
SRR12172164
SRR12172165
SRR12172166
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203


./27638830.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

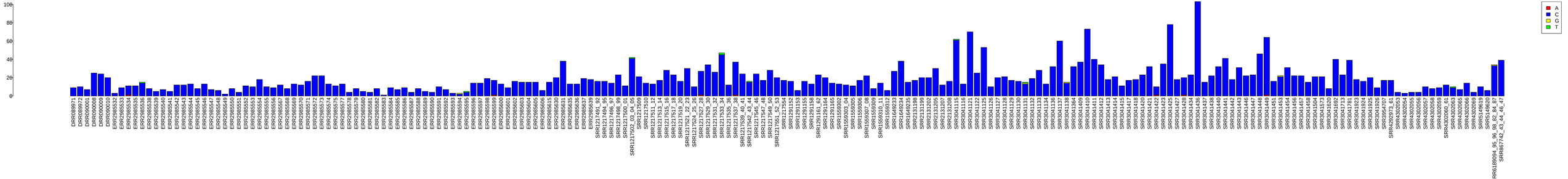
./27638831.E2position



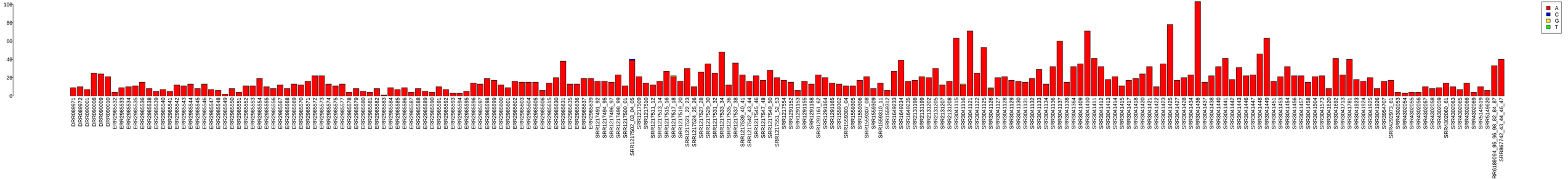

./27638832.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

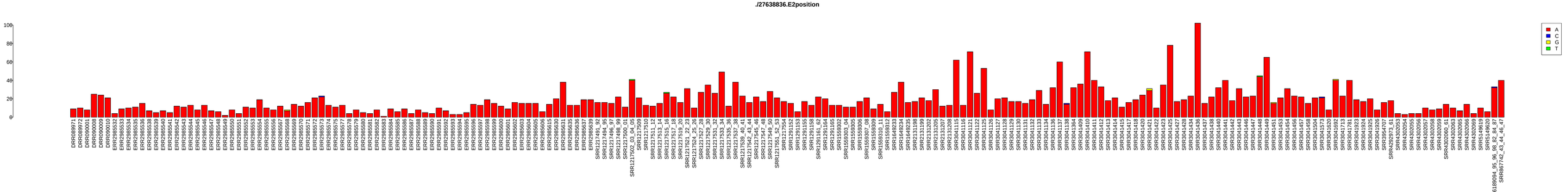

./27638833.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

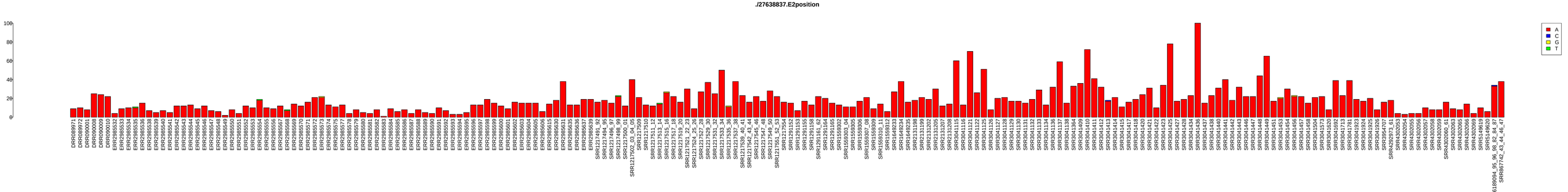
./27638834.E2position

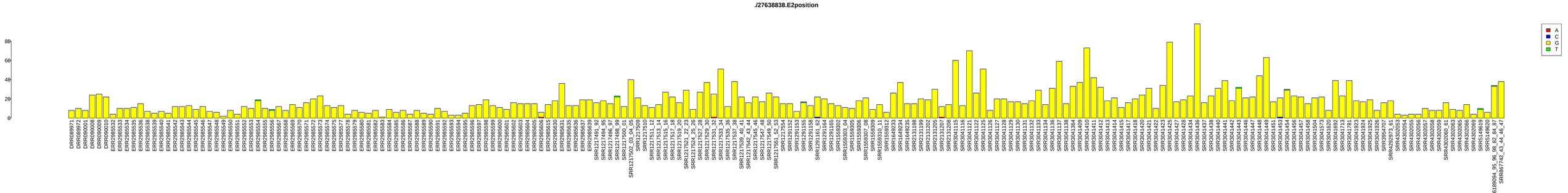


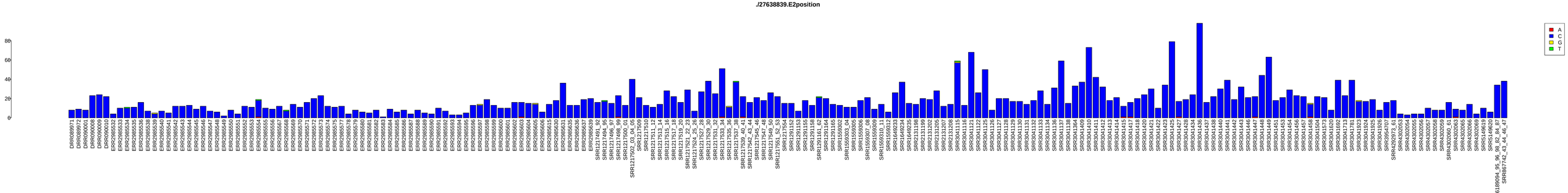
./27638835.E2position



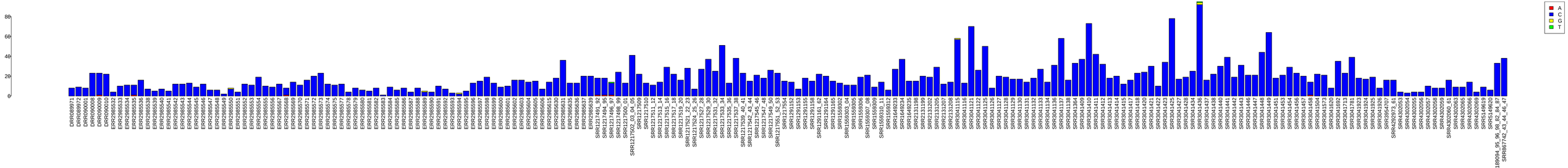

./27638836.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47


./27638837.E2position
100
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985652
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

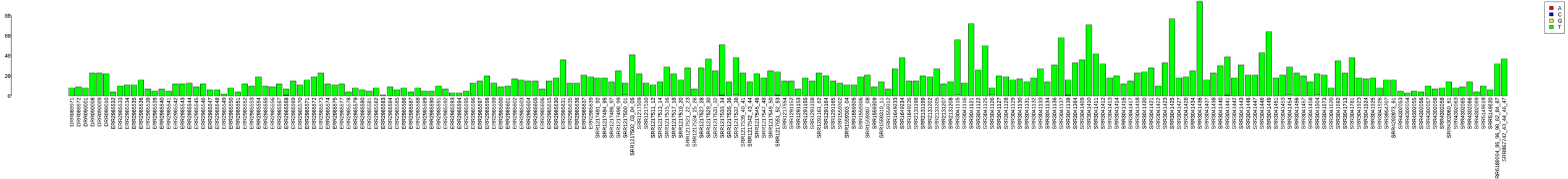

./27638838.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

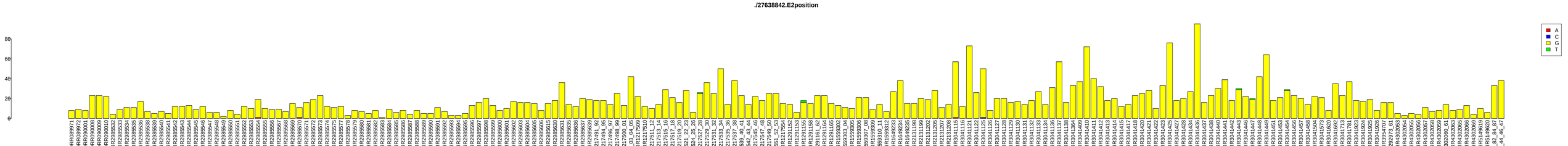

./27638839.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR12171491_32
SRR12171494_95
SRR12171496_99
SRR12171500_10
SRR12171502_03_05
SRR12171509
SRR12171510
SRR12171511_12
SRR12171513_14
SRR12171515_16
SRR12171517_18
SRR12171519_20
SRR12171521_22_23
SRR12171524_25_26
SRR12171527_28
SRR12171529_30
SRR12171531_32
SRR12171533_34
SRR12171535_36
SRR12171537_38
SRR12171539_40_41
SRR12171542_43_44
SRR12171544_45_46
SRR12171547_48_49
SRR12171549_50
SRR12171551_52_53
SRR12171554
SRR12171152
SRR12171153
SRR12171155
SRR12171158
SRR12171161_62
SRR12171164
SRR12171165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307_10
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282907
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5149619
SRR5149620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638840.E2position

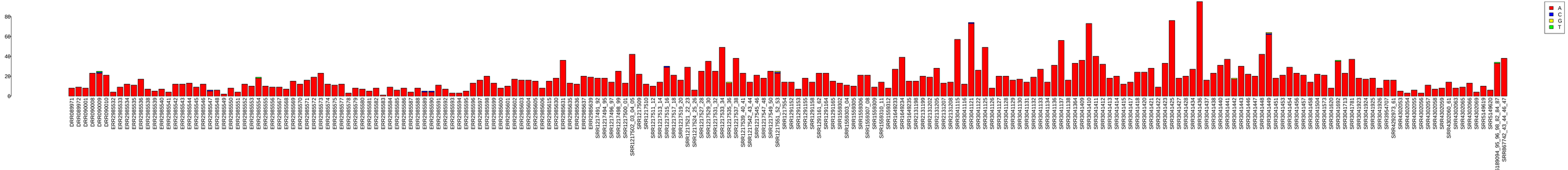


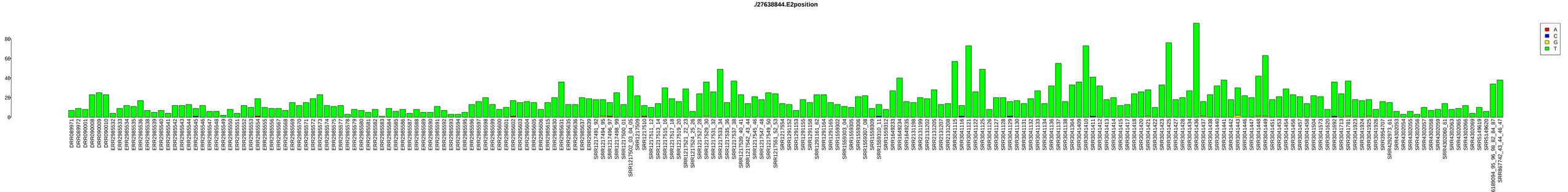
./27638841.E2position



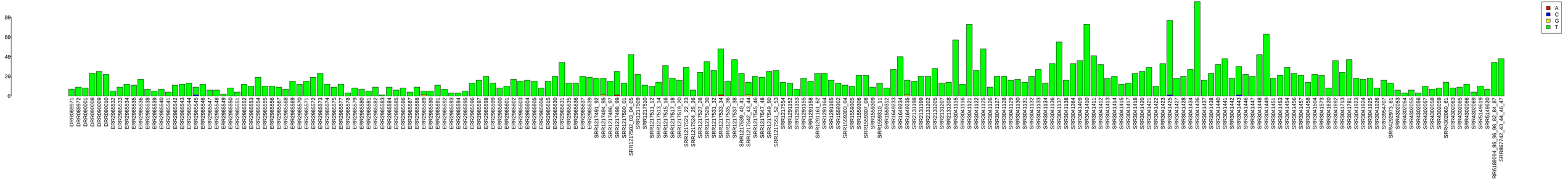

./27638842.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

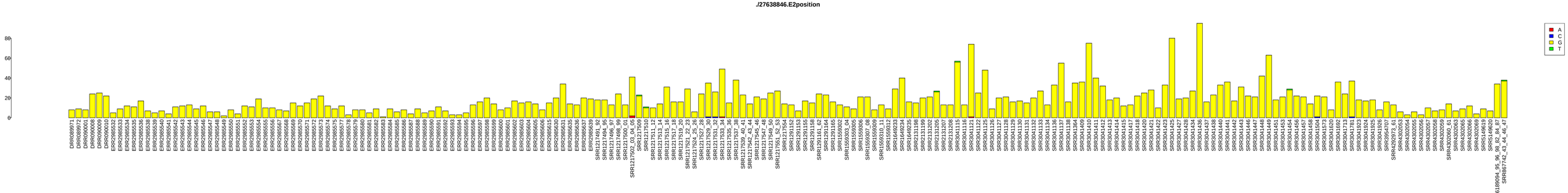
./27638843.E2position



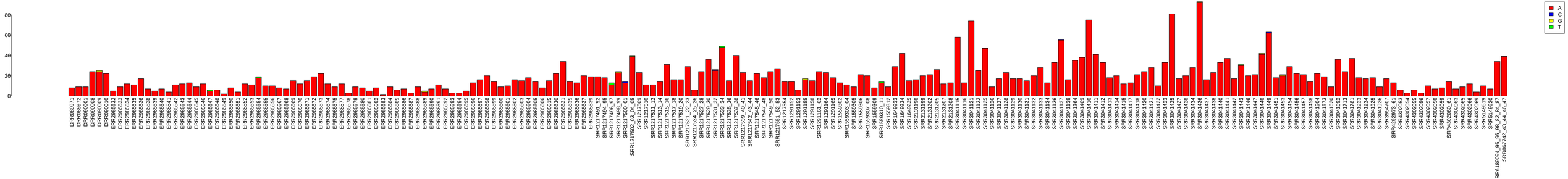

./27638844.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_111
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041455
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

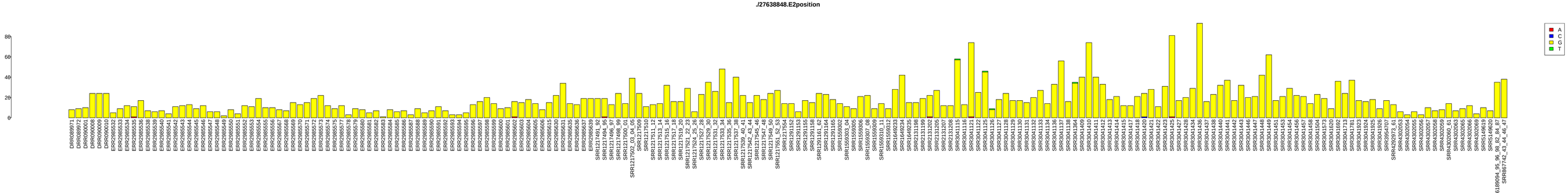
./27638845.E2position

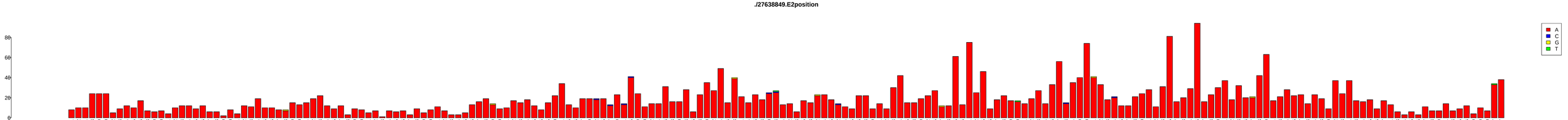


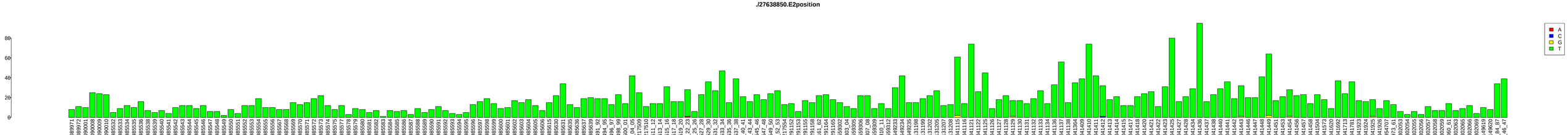

./27638846.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_07
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041721
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638847.E2position

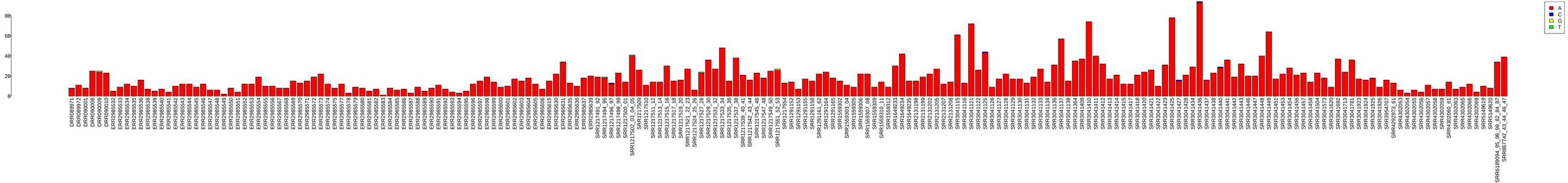


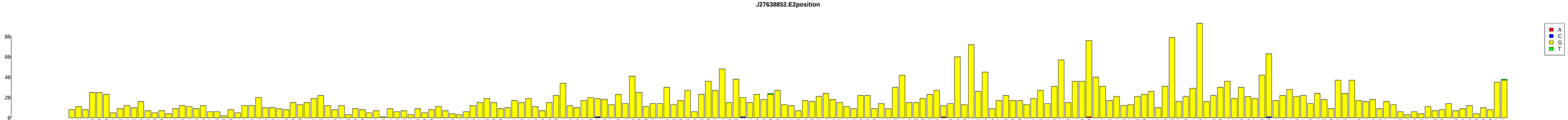

./27638848.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

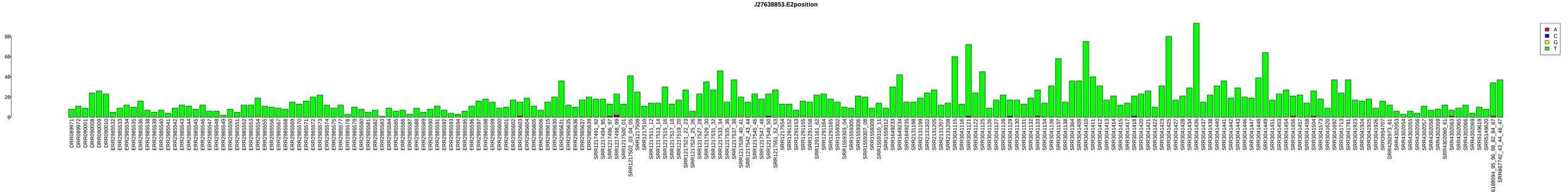

./27638849.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

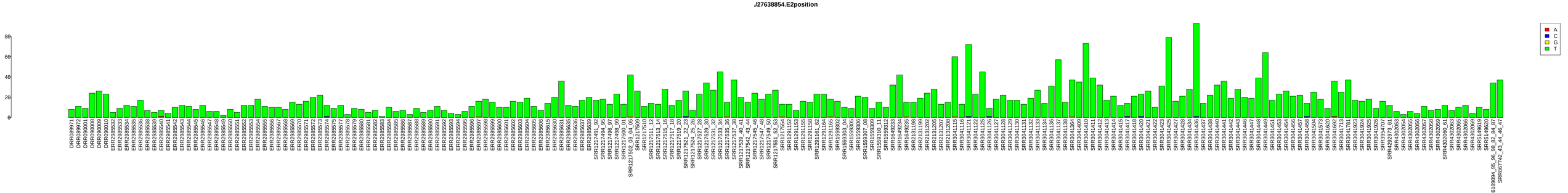

./27638850.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27638851.E2position

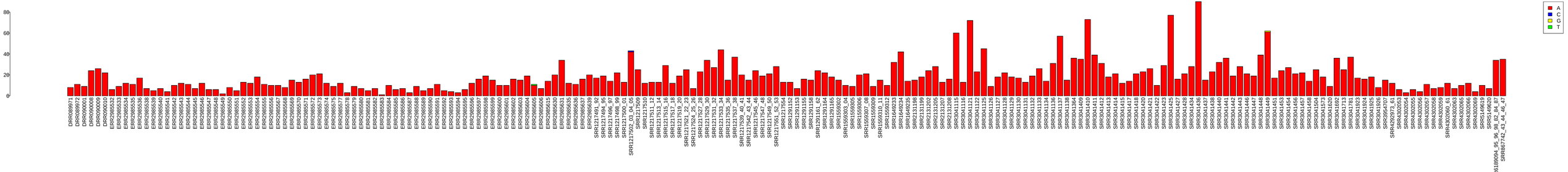



./27638852.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

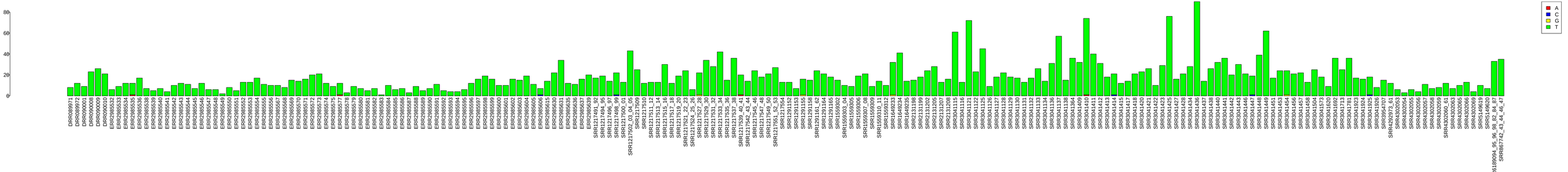

./27638853.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638854.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

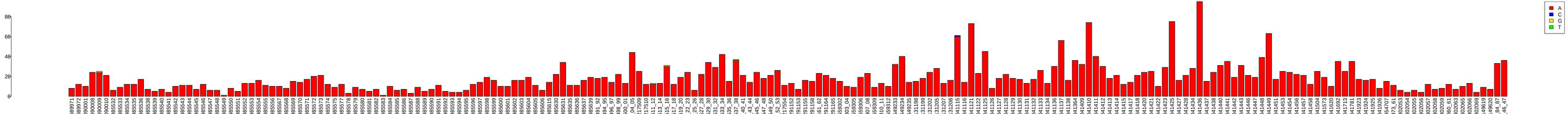
./27638855.E2position

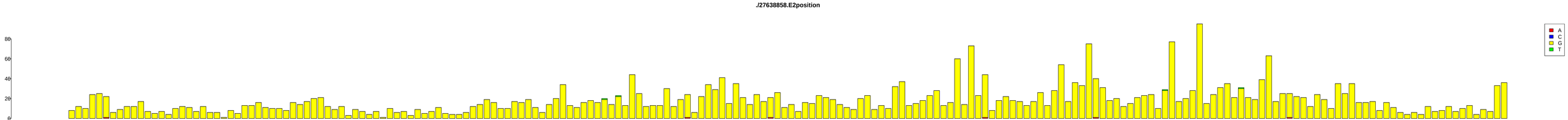


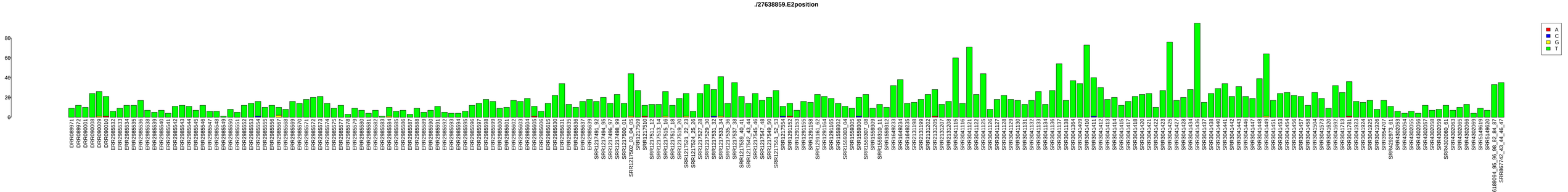
./27638856.E2position

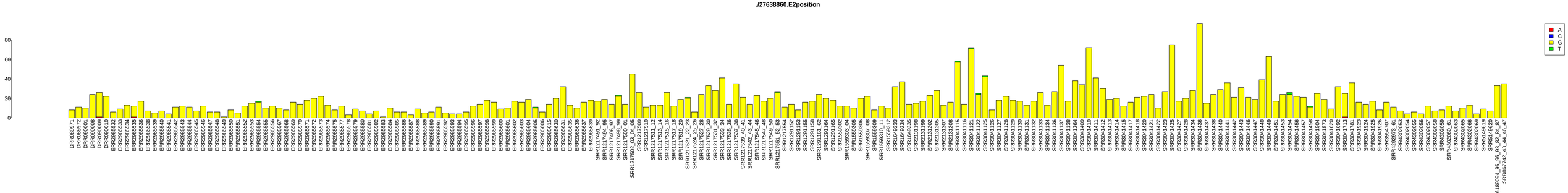


./27638857.E2position

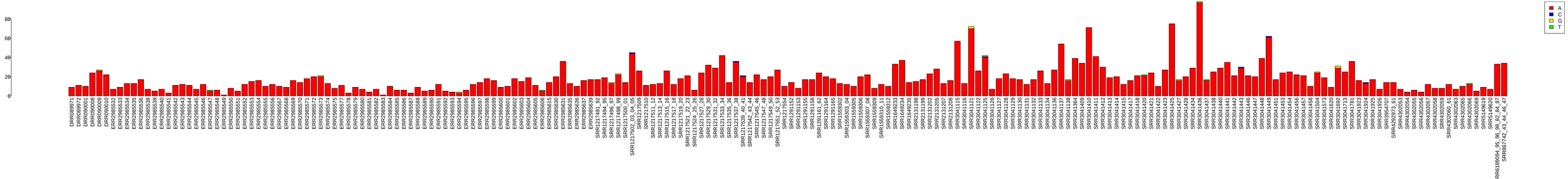


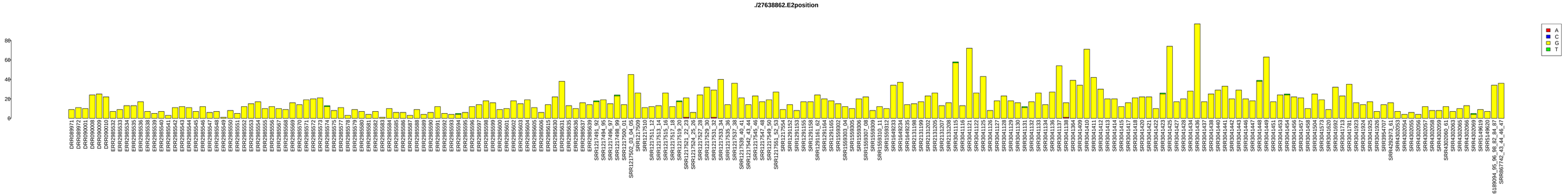

./27638858.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172491_92
SRR12172494_95
SRR12172496_99
SRR12172500_01
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172166
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559308
SRR1559309
SRR1559310_11
SRR1559312
SRR1648232
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638859.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

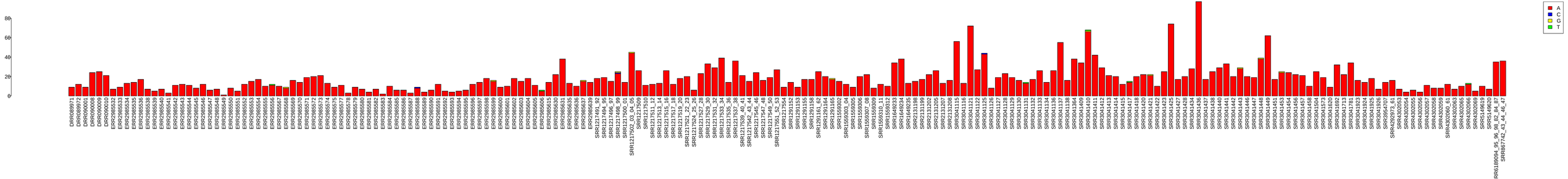

./27638860.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217153
SRR1217155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638861.E2position

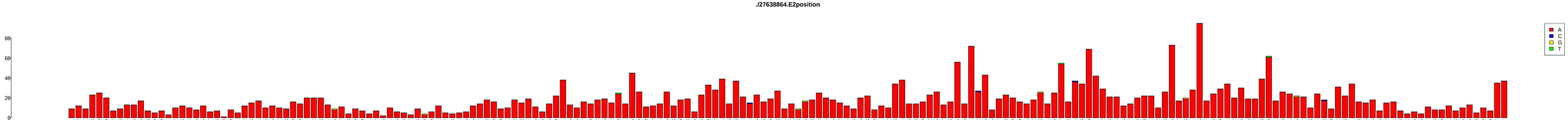


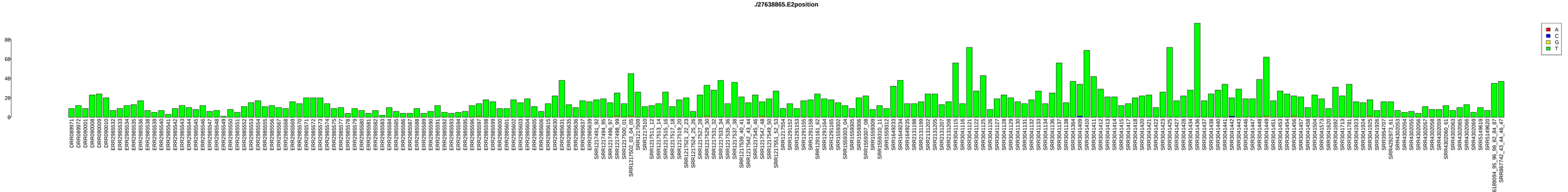

./27638862.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

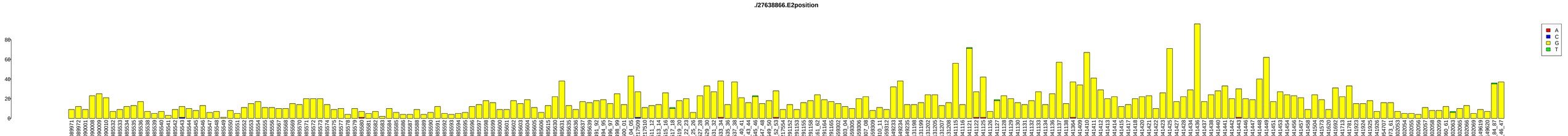
./27638863.E2position



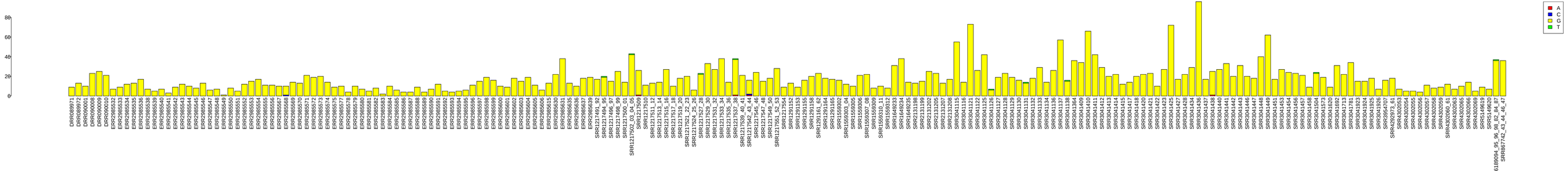
./27638864.E2position

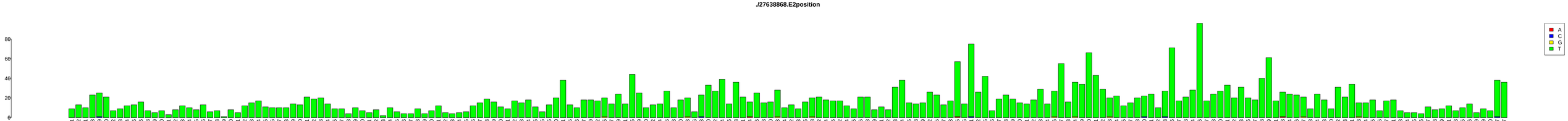



./27638865.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302056
SRR4302058
SRR4302059
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

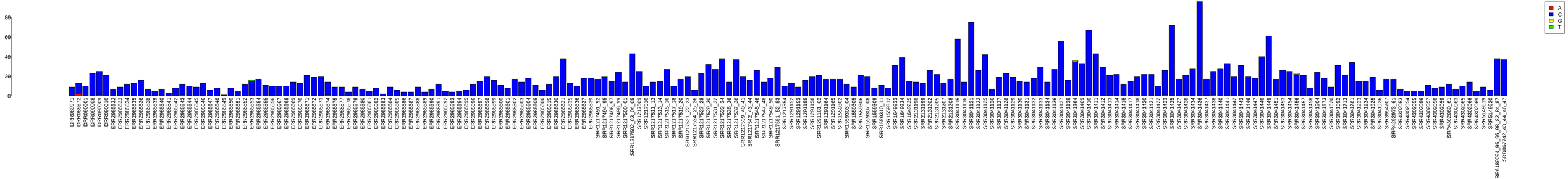

./27638866.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148621
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

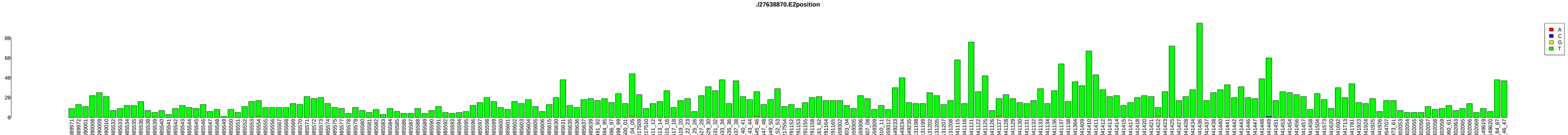
./27638867.E2position

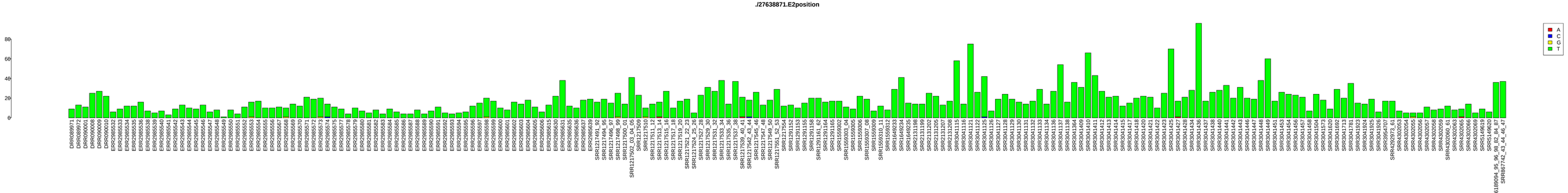


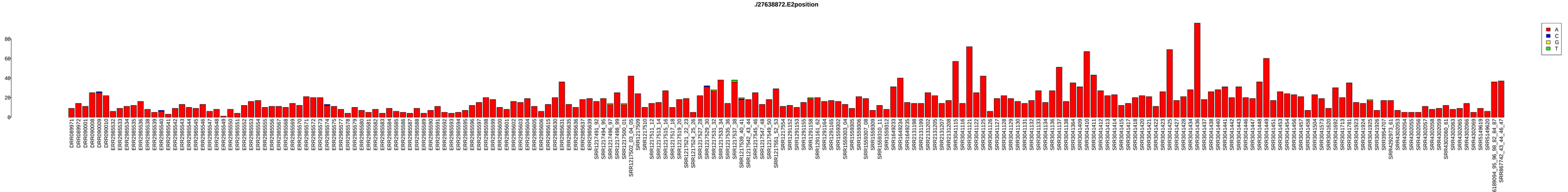

./27638868.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

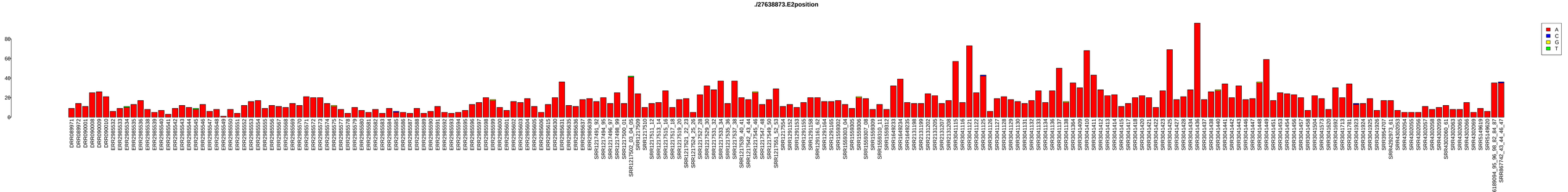
./27638869.E2position



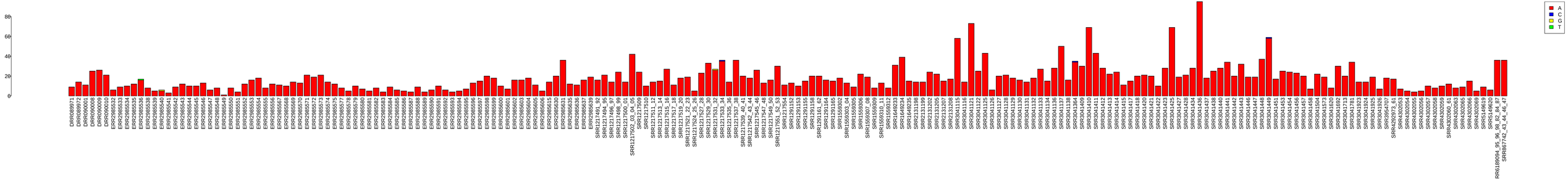

./27638870.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

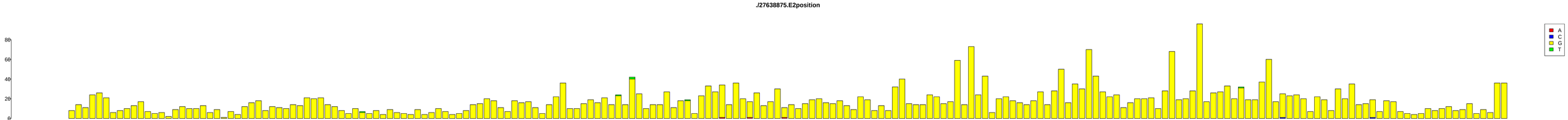

./27638871.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

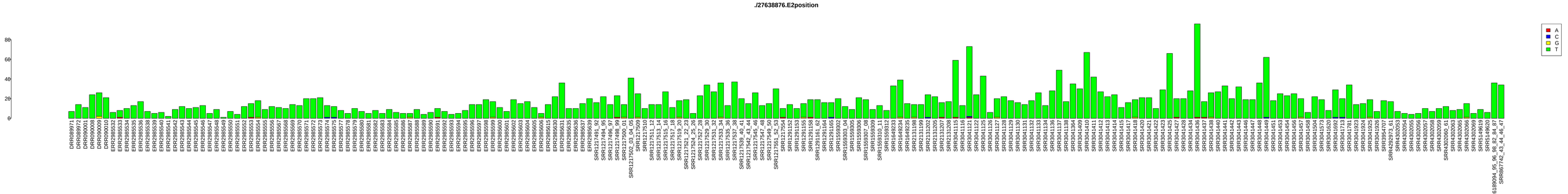

./27638872.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47


./27638873.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041921
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

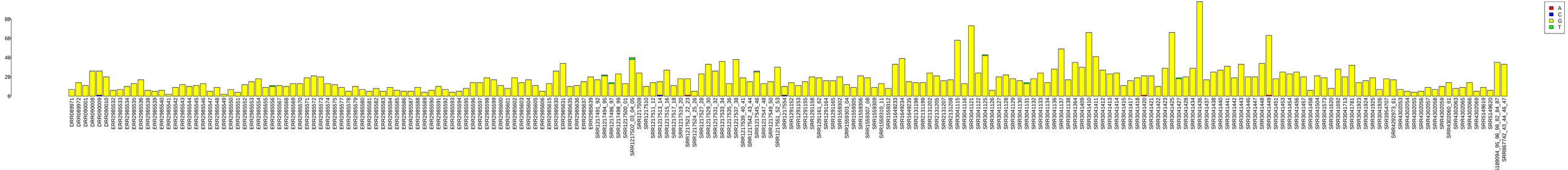
./27638874.E2position



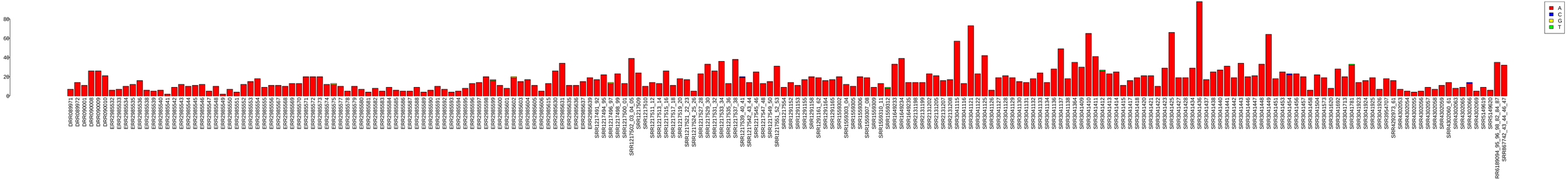

./27638875.E2position
80
60
40
20
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148621
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47
A
C
G
T

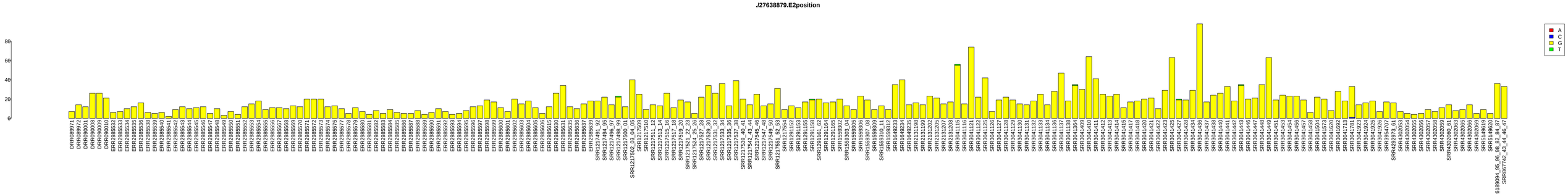

./27638876.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970_97
SRR4282971_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27638877.E2position

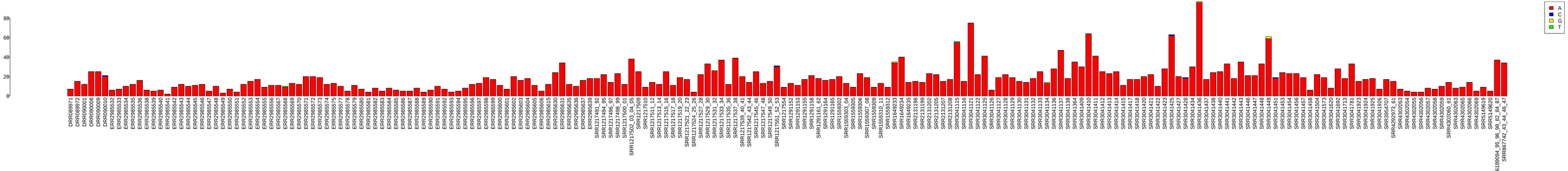


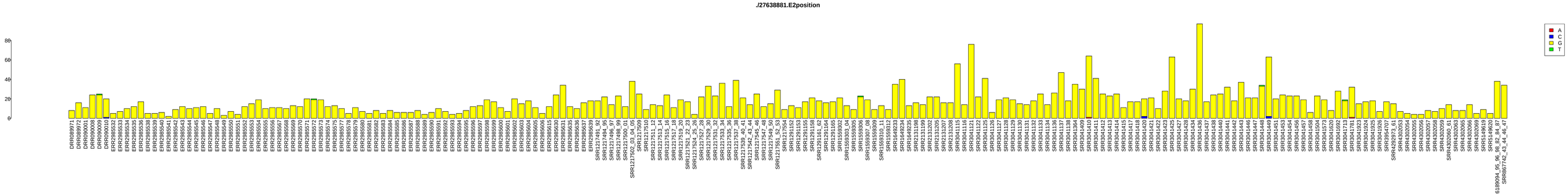
./27638878.E2position

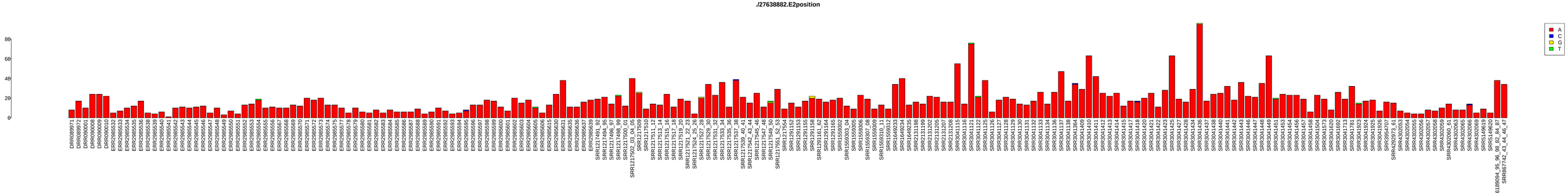


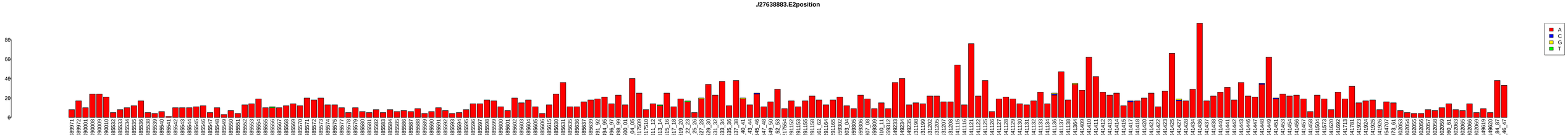

./27638879.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1646223
SRR1646224
SRR1646235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041721
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148615
SRR5148616
SRR6189094_95_96_98_82_84_87
SRR6877742_43_44_46_47

./27638880.E2position

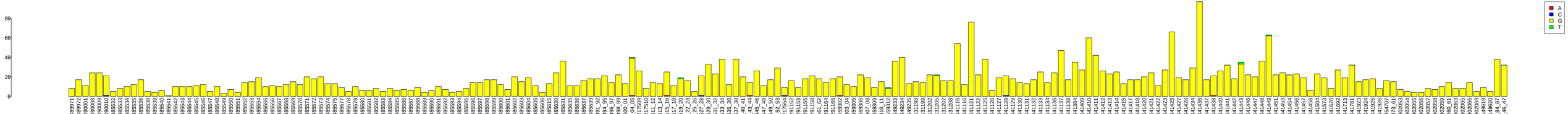


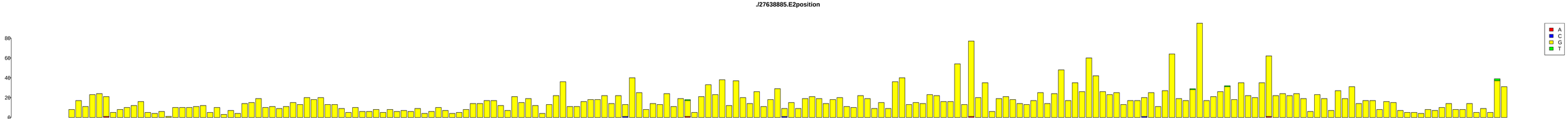

./27638881.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041723
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977_78
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

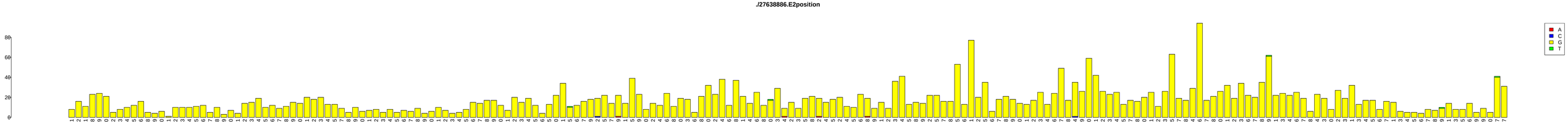

./27638882.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282972
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47


./27638883.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041921
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

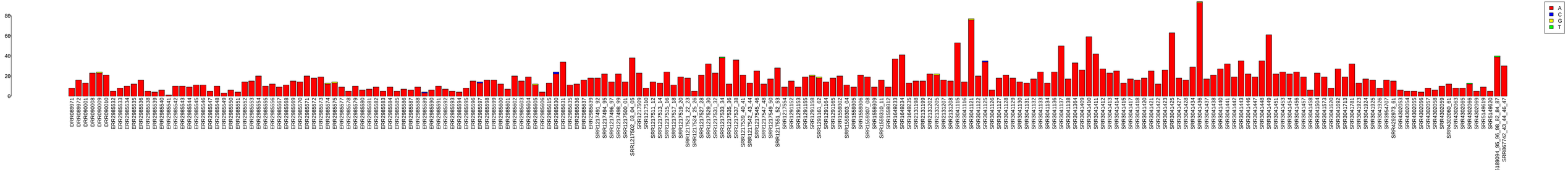
./27638884.E2position

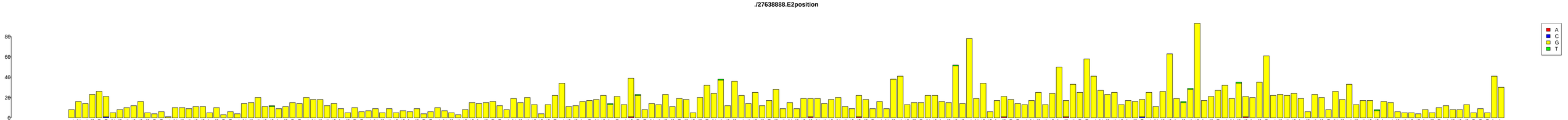



./27638885.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217494_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

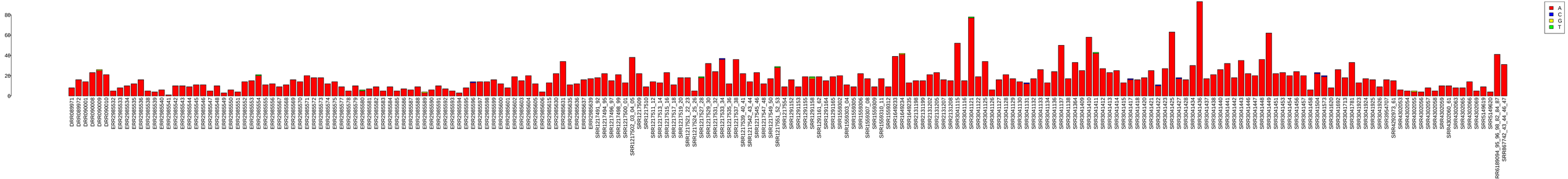

./27638886.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217494_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

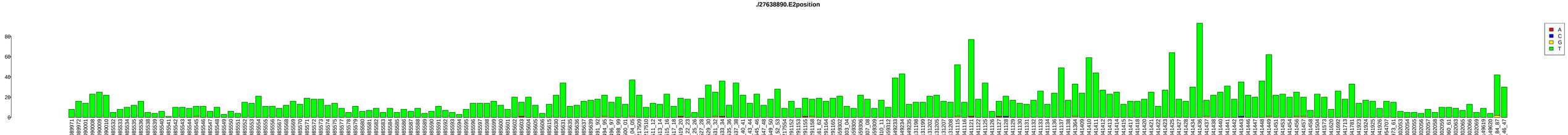
./27638887.E2position

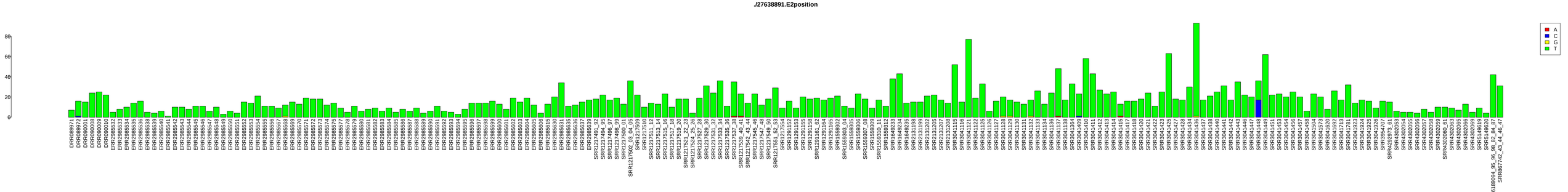


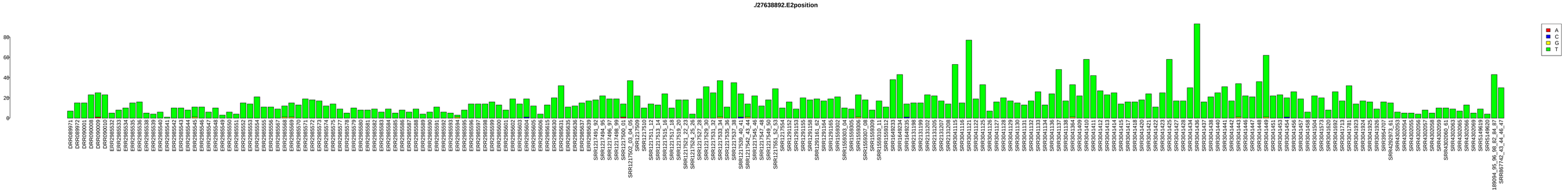

./27638888.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217494_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638889.E2position

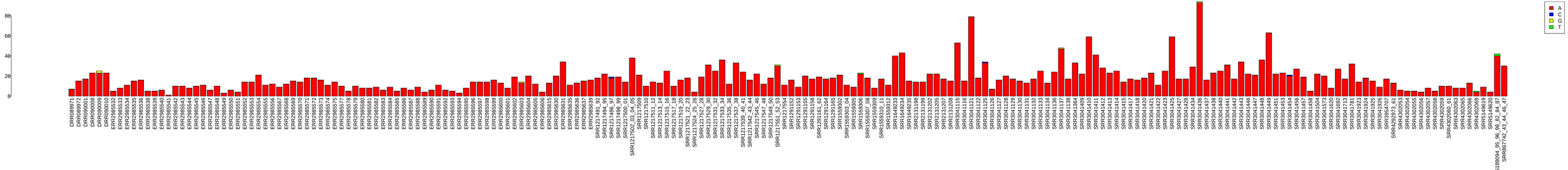


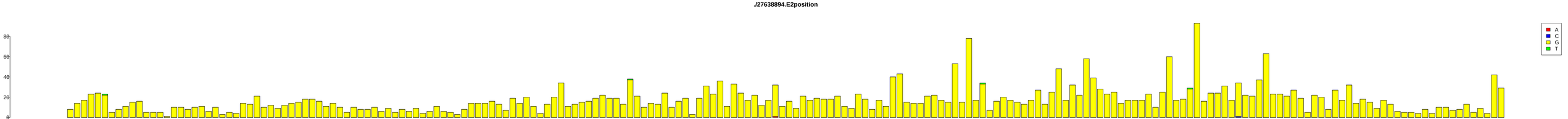

./27638890.E2position
80
60
40
20
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5149619
SRR5149620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47
A
C
G
T

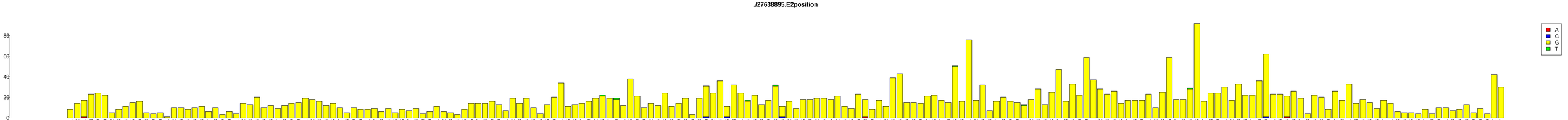

./27638891.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041126
SRR3041125
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638892.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217496_97
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

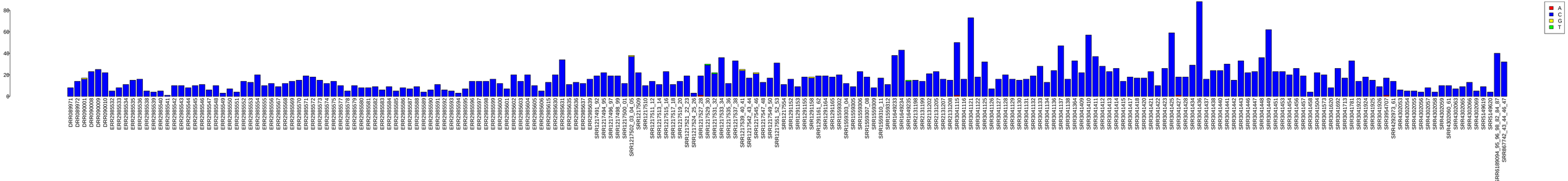
./27638893.E2position



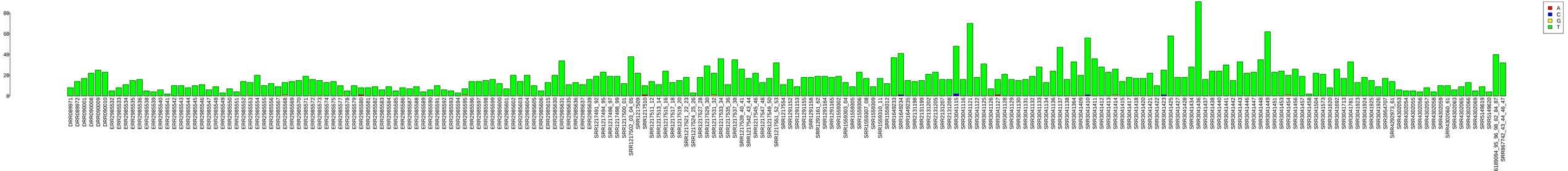

./27638894.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217494_99
SRR1217500_00
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27638895.E2position
0
20
40
60
80
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985536
ERR2985537
ERR2985538
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970_77
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

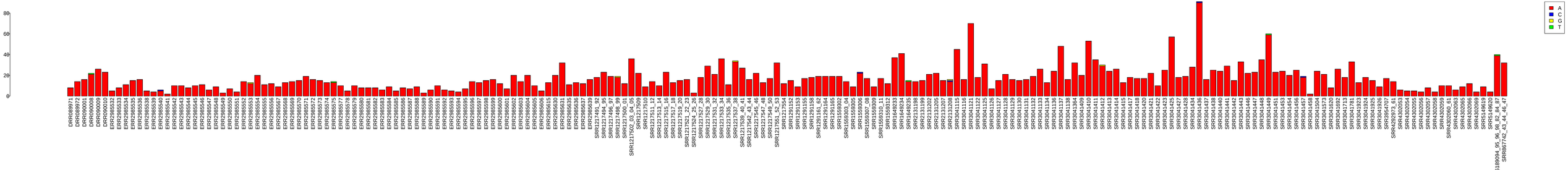
./27638896.E2position

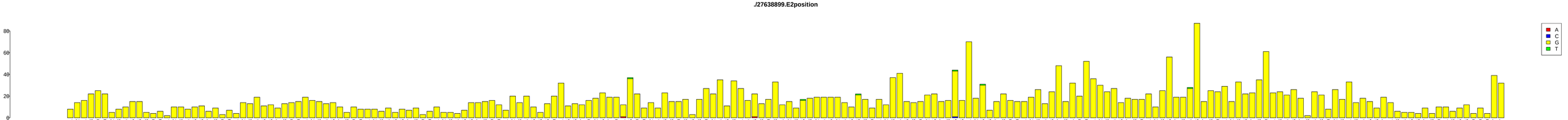


./27638897.E2position

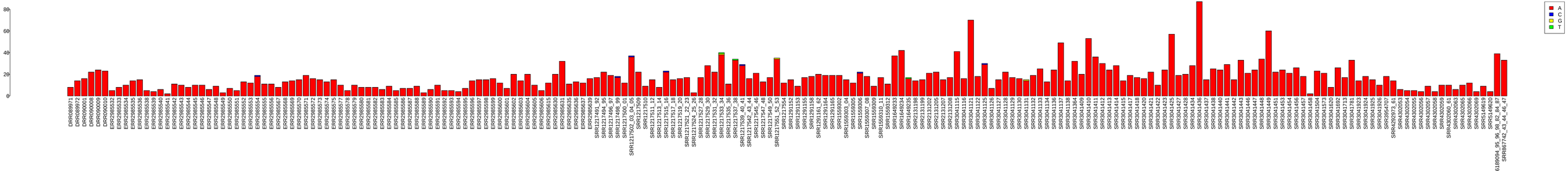


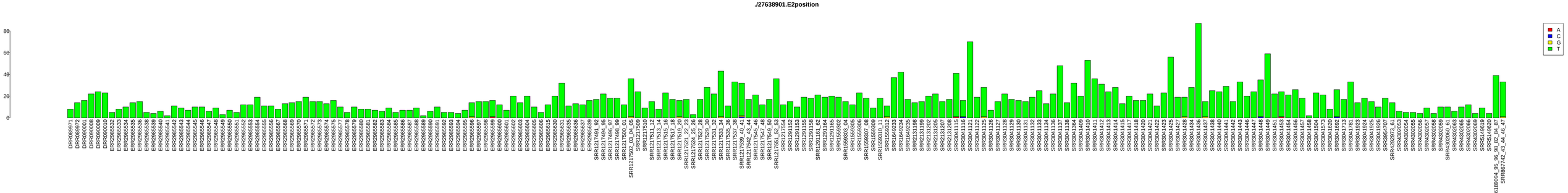
./27638898.E2position



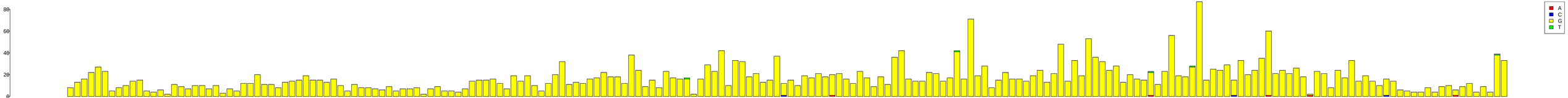

./27638899.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146613
SRR5146615
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

./27638900.E2position

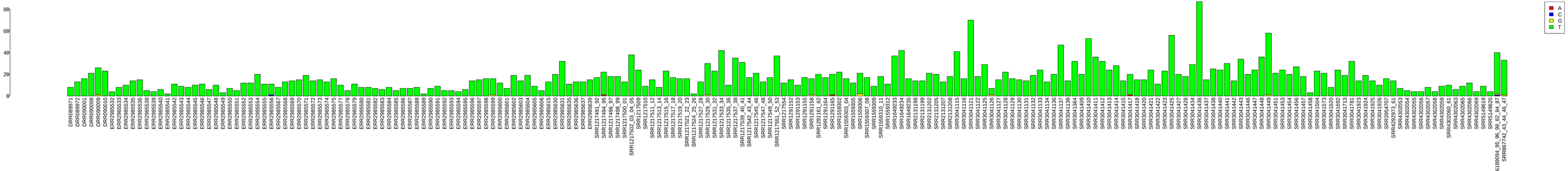



./27638901.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217496_99
SRR1217500_10
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217528_30
SRR1217533_32
SRR1217533_34
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

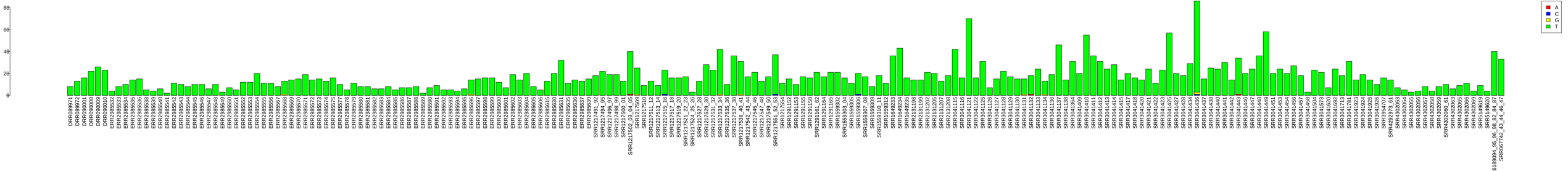
./27638902.E2position



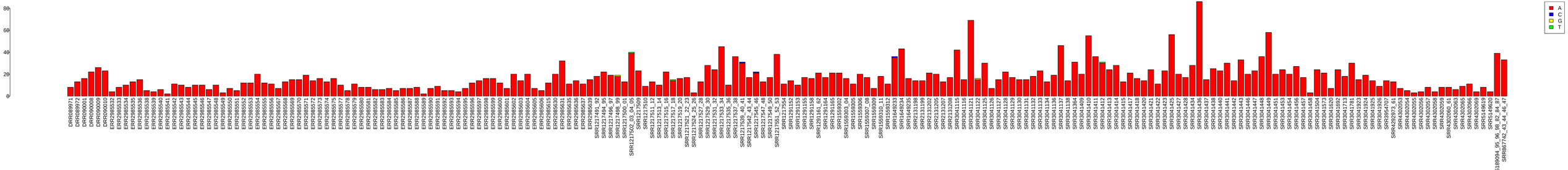
./27638903.E2position

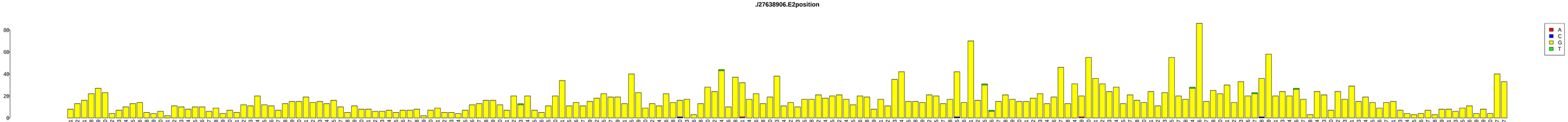


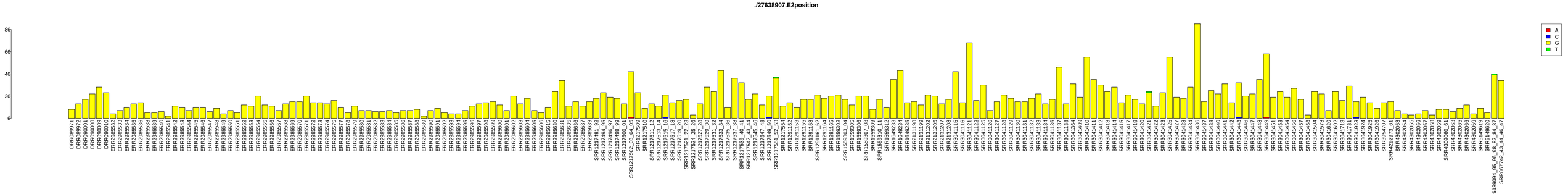
./27638904.E2position



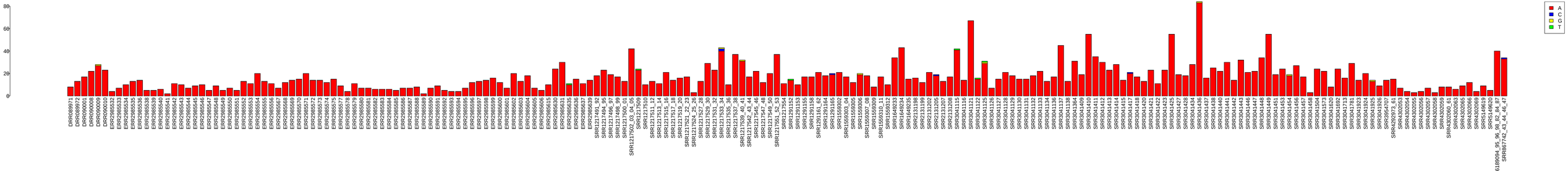
./27638905.E2position

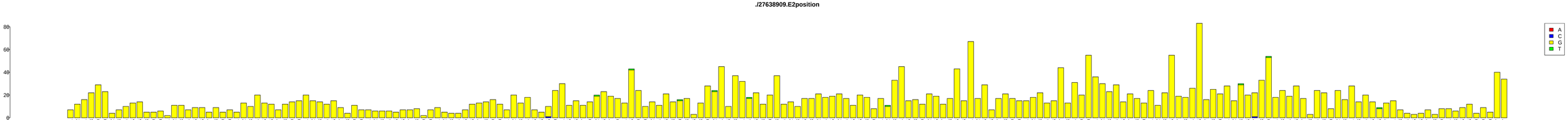


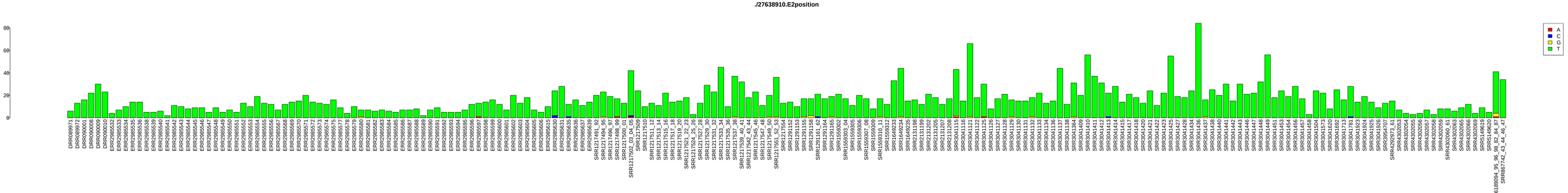

./27638906.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146613
SRR5146615
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27638907.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47

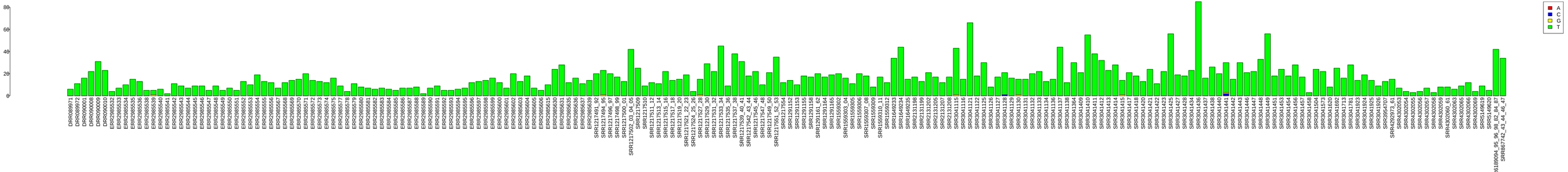
./27638908.E2position



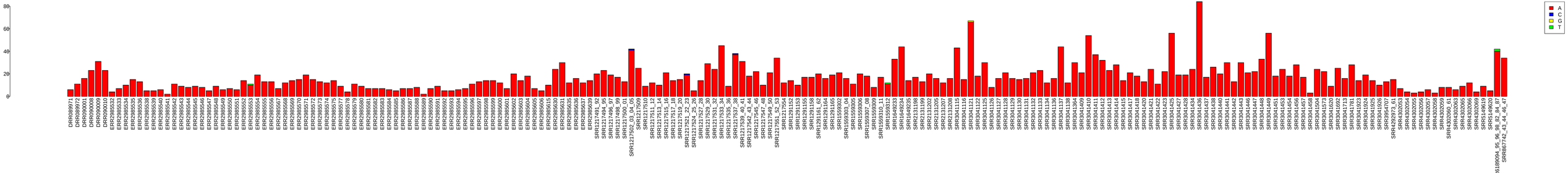

./27638909.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4202971_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47


./27638910.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5149619
SRR5149620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

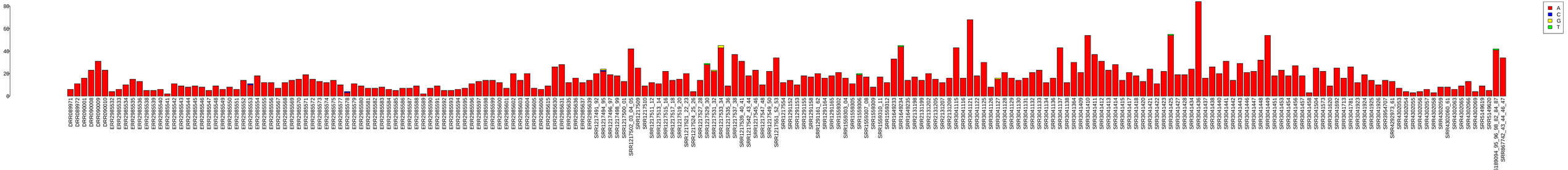
./27638911.E2position

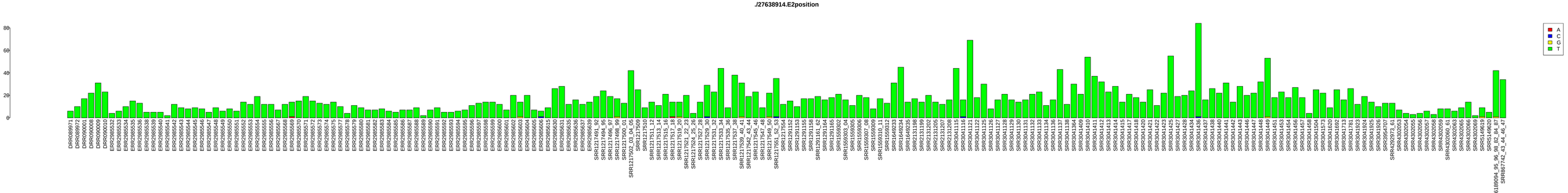


./27638912.E2position

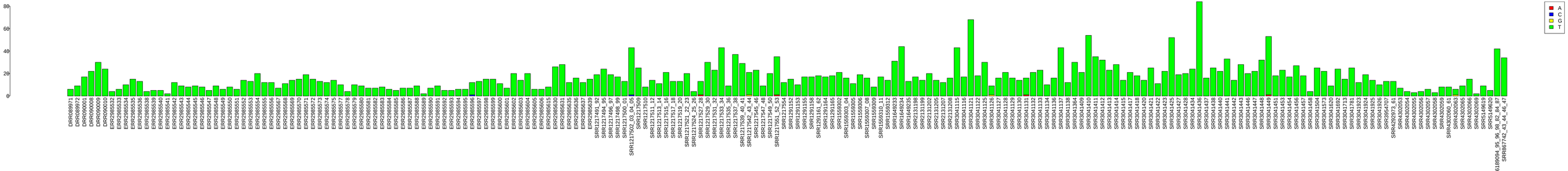


./27638913.E2position

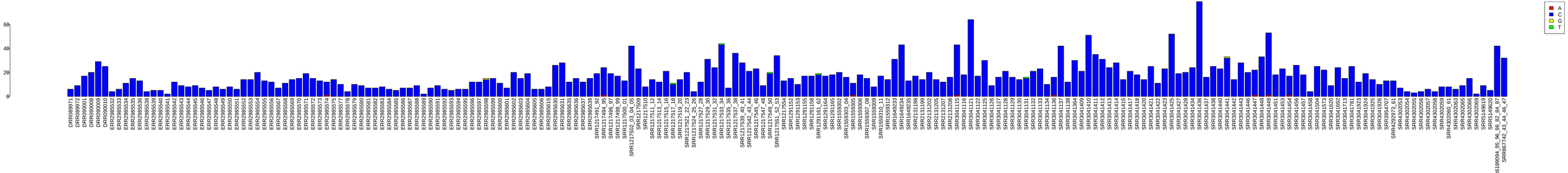



./27638914.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985561
ERR2985562
ERR2985563
ERR2985564
ERR2985565
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041122
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

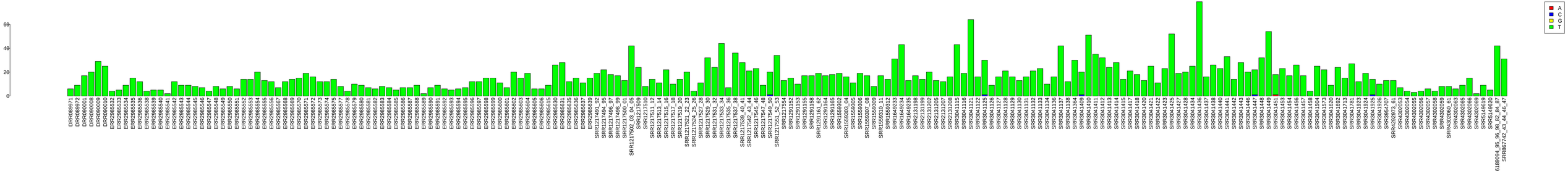
./27638915.E2position



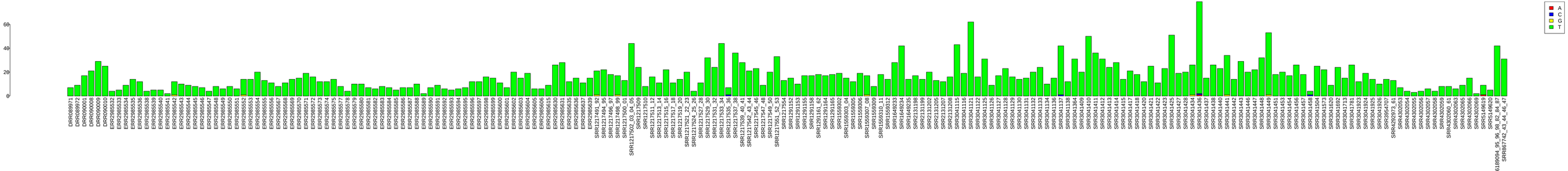
./27638916.E2position



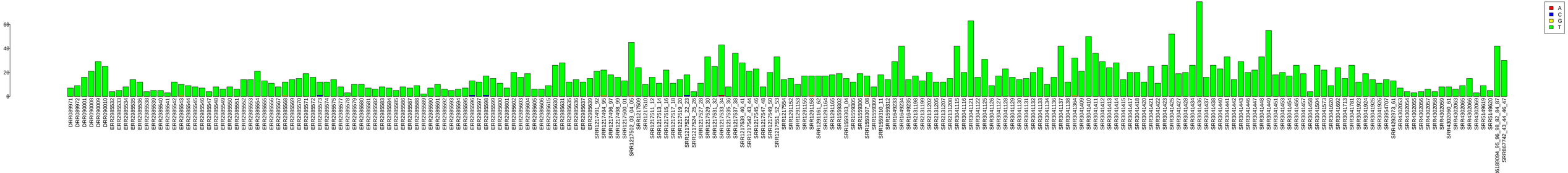
./27638917.E2position



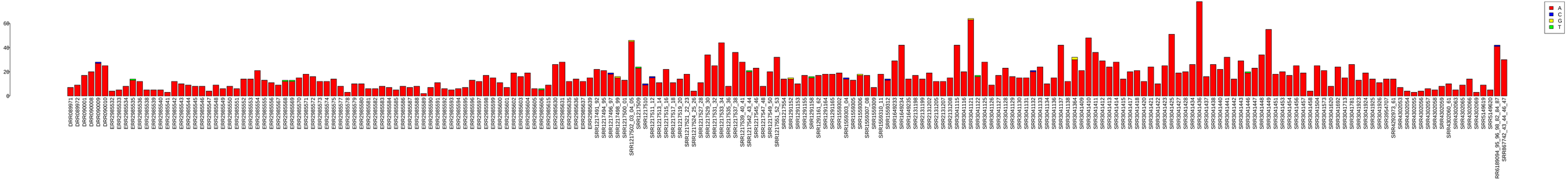
./27638918.E2position

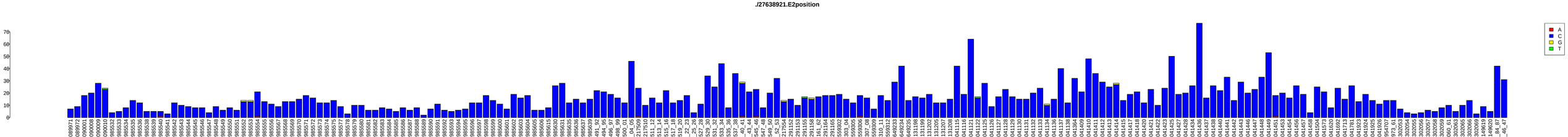


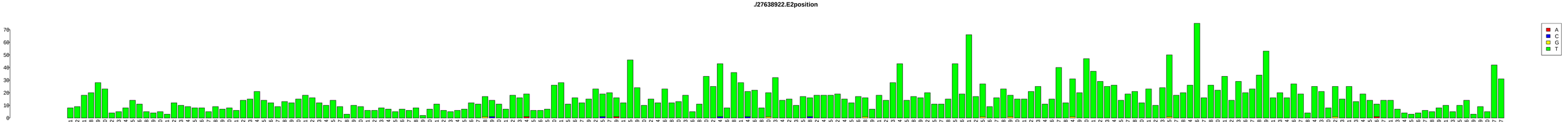
./27638919.E2position

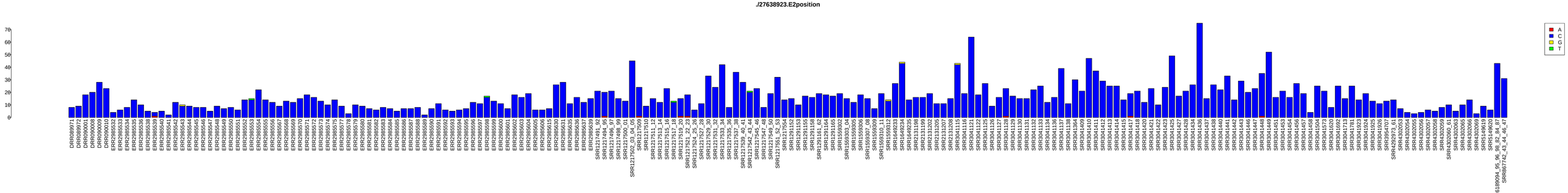


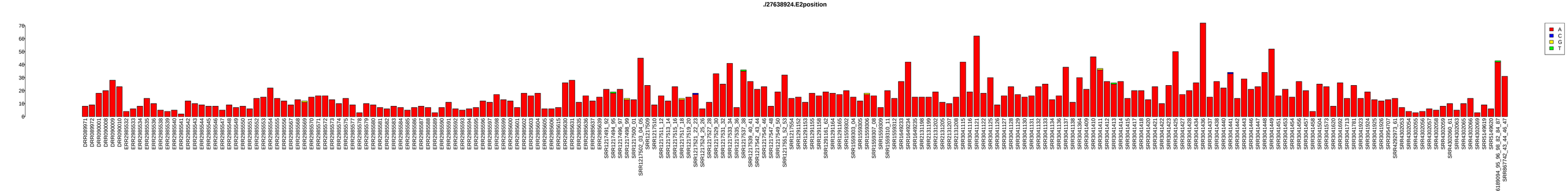
./27638920.E2position



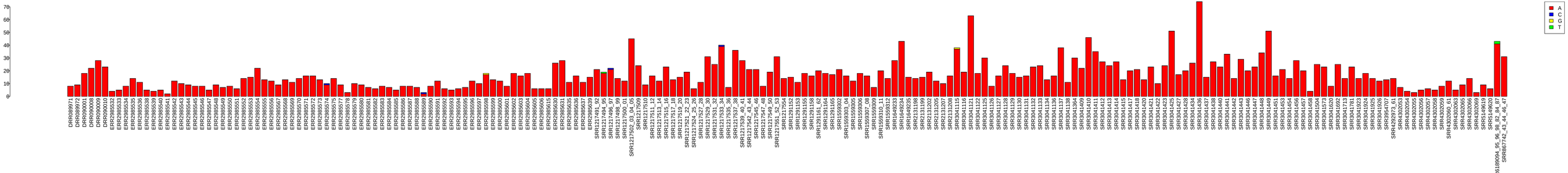

./27638921.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985634
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041559
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638922.E2position
A
C
G
T

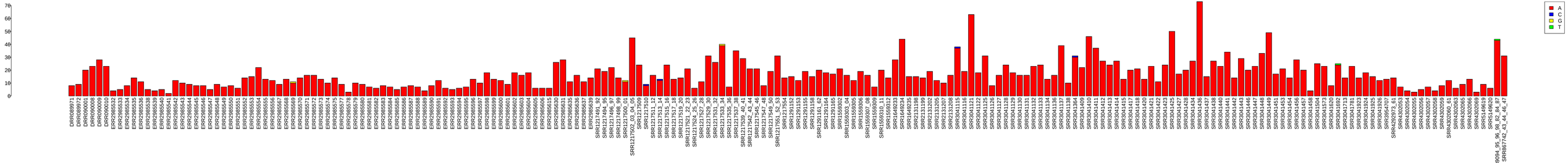

./27638923.E2position
70
60
50
40
30
20
10
0
A
C
G
T

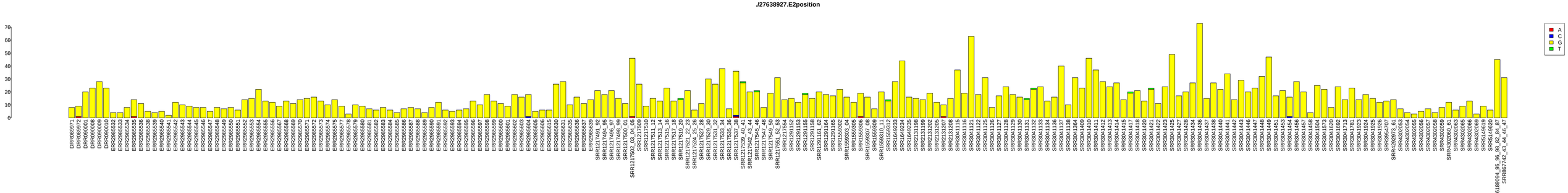

./27638924.E2position
A
C
G
T

./27638925.E2position

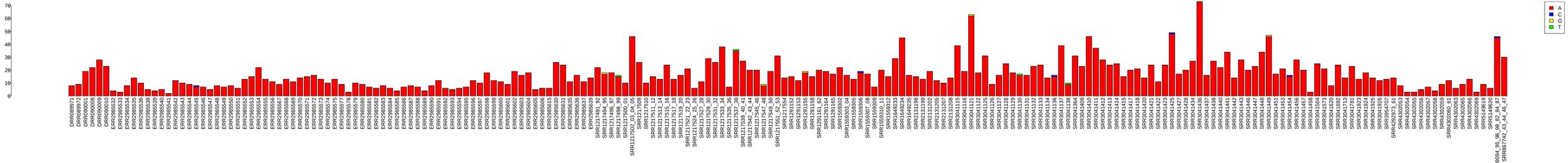


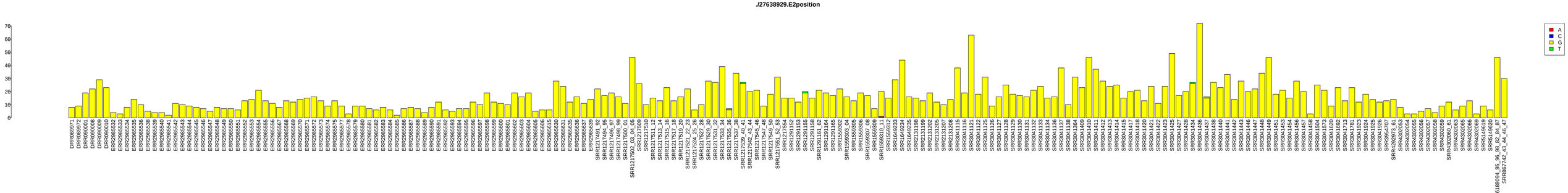
./27638926.E2position



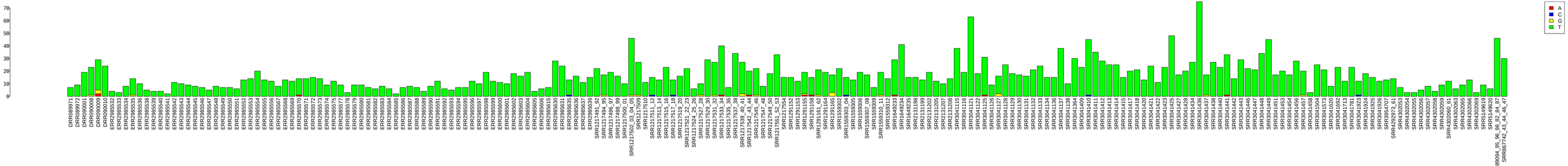

./27638927.E2position
A
C
G
T

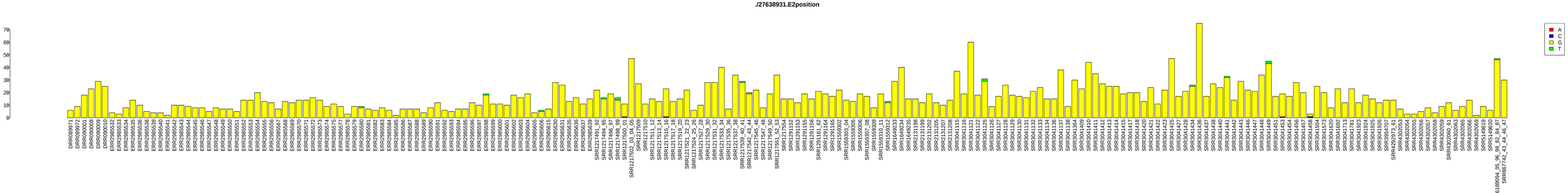
./27638928.E2position

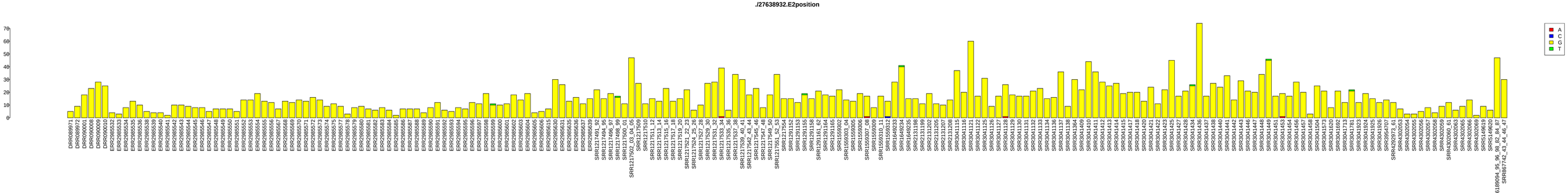


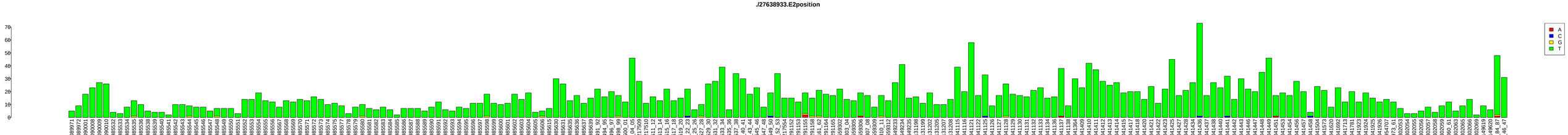

./27638929.E2position
A
C
G
T

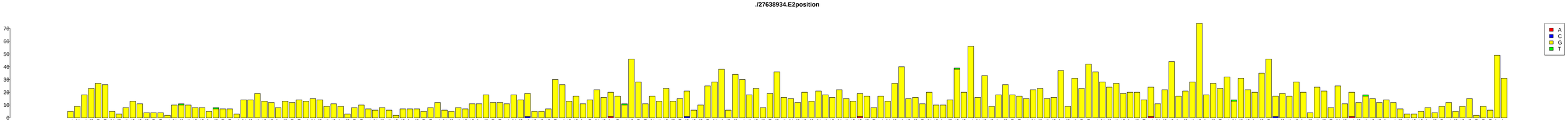
./27638930.E2position

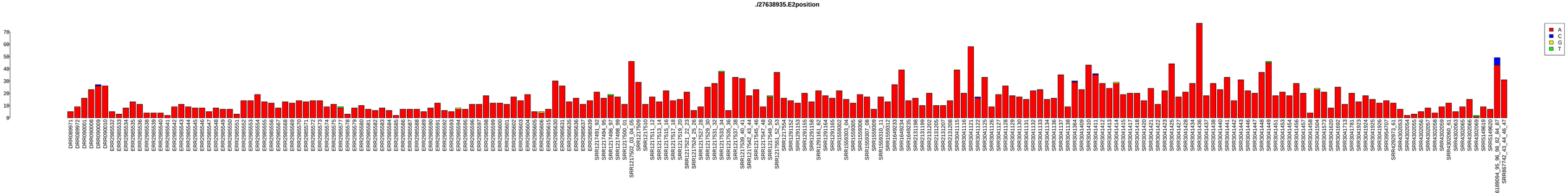



./27638931.E2position
A
C
G
T

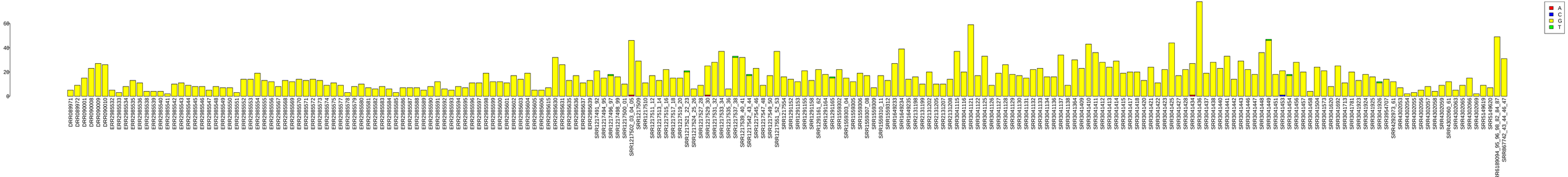

./27638932.E2position
A
C
G
T

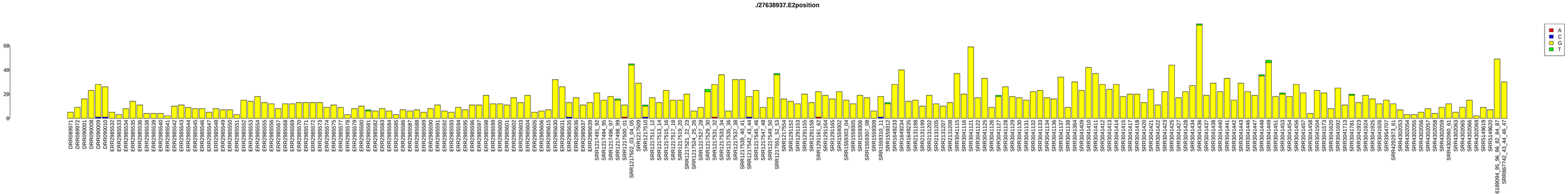

./27638933.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041561
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

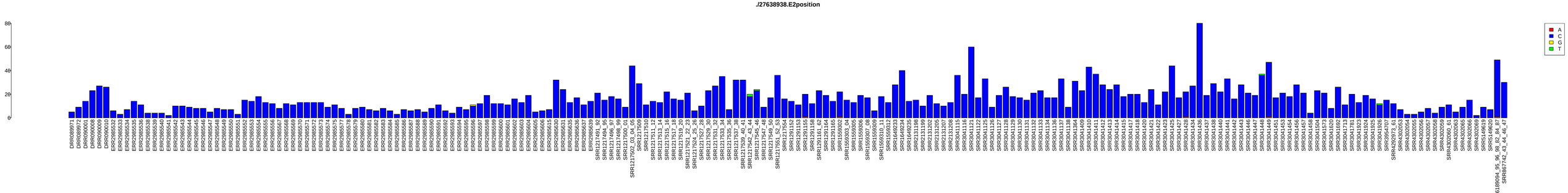

./27638934.E2position
70
60
50
40
30
20
10
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217496_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217552
SRR1217153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47
A
C
G
T


./27638935.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

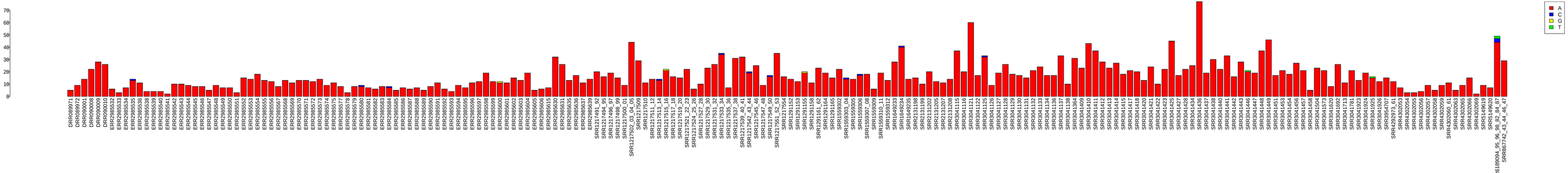
./27638936.E2position



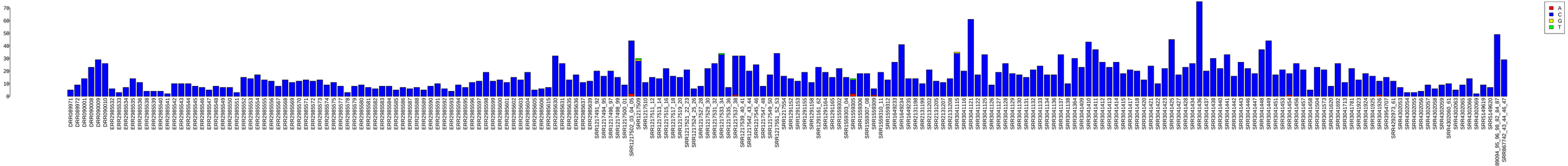

./27638937.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217552
SRR1217153
SRR1217155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_111
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638938.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_69
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

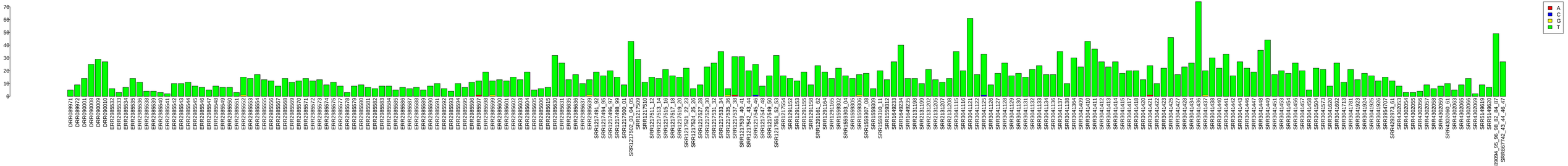
./27638939.E2position



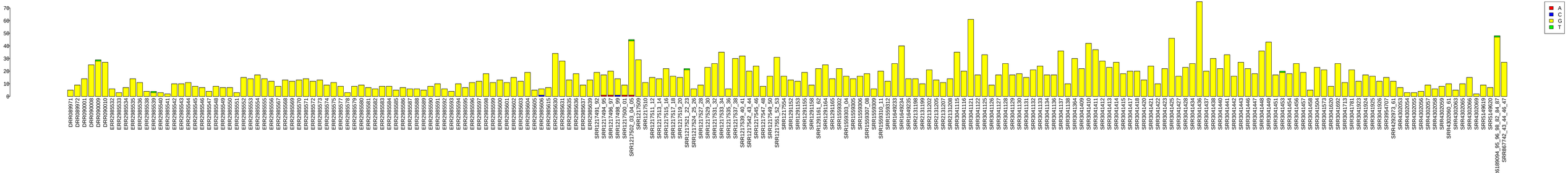
./27638940.E2position



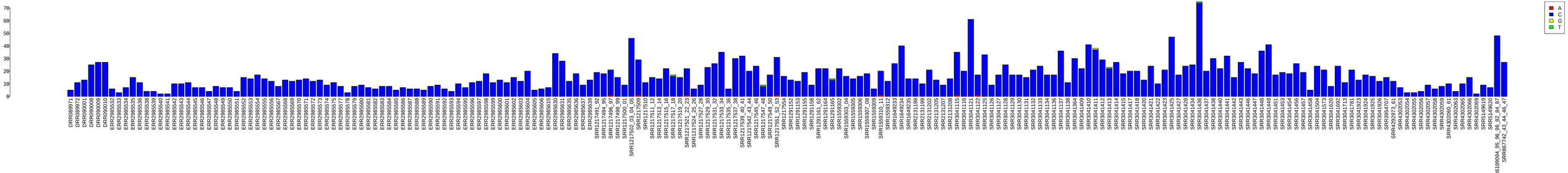
./27638941.E2position

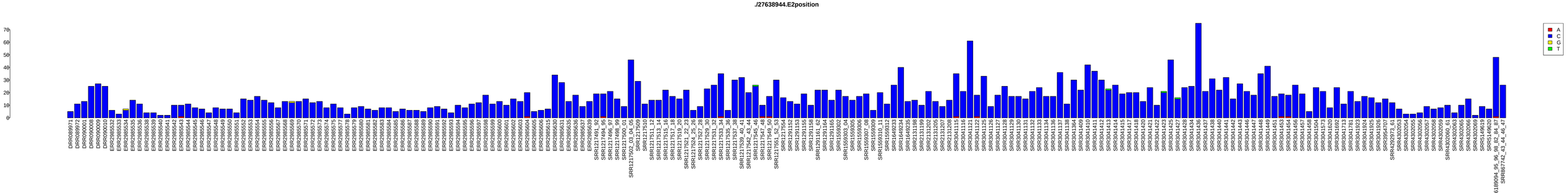


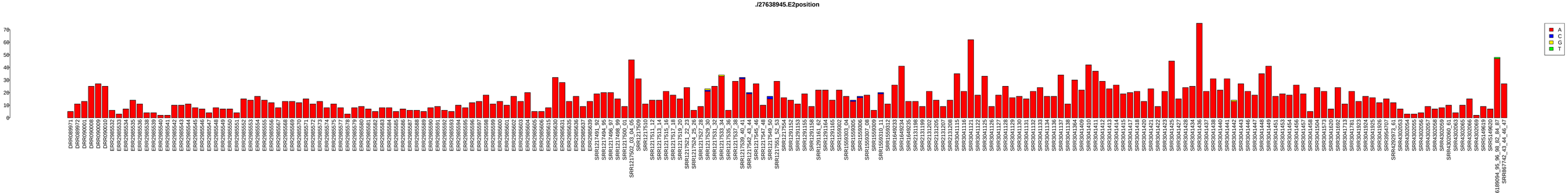
./27638942.E2position



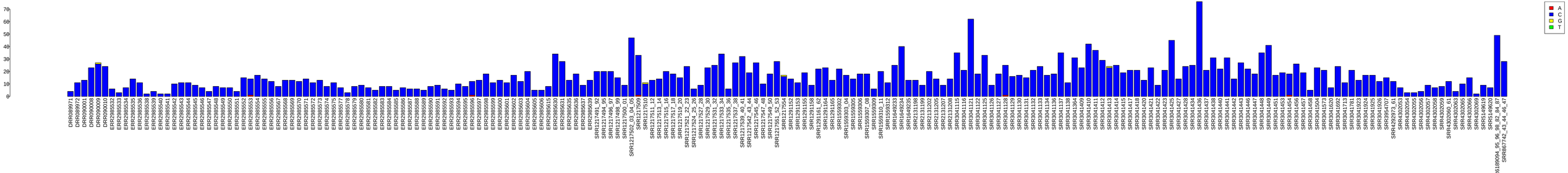
./27638943.E2position



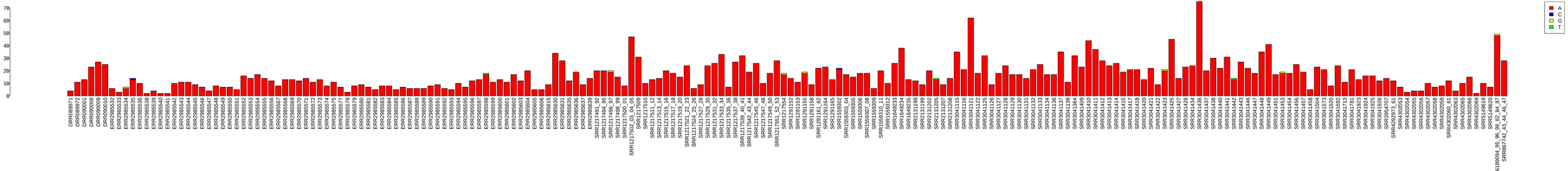

./27638944.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_10
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

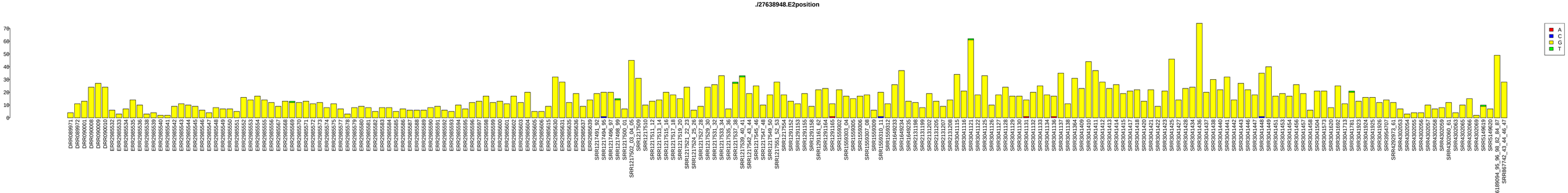

./27638945.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

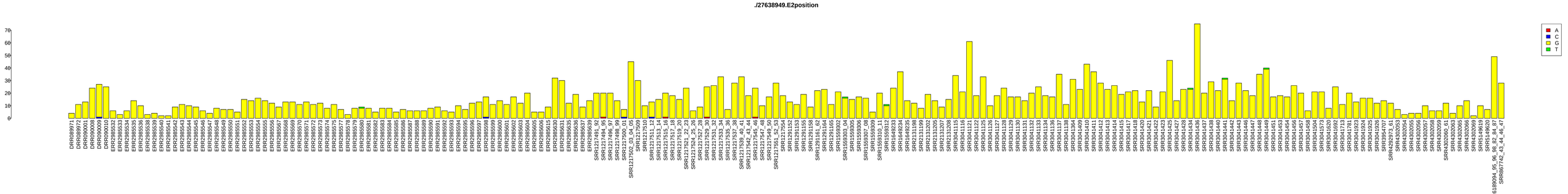
./27638946.E2position



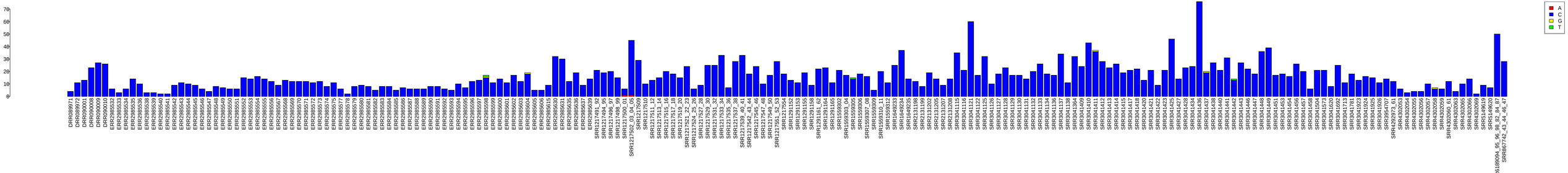
./27638947.E2position



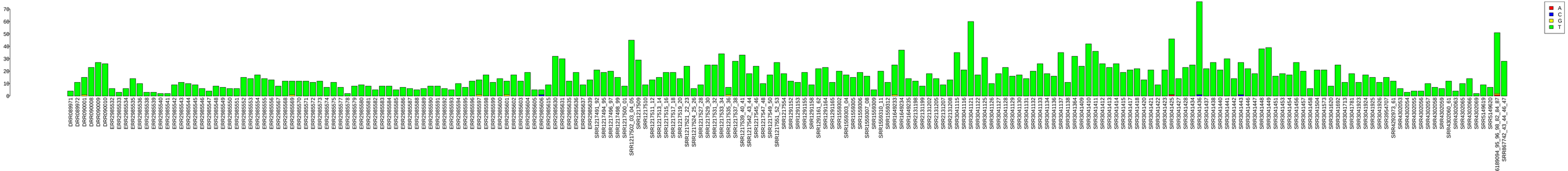

./27638948.E2position
A
C
G
T

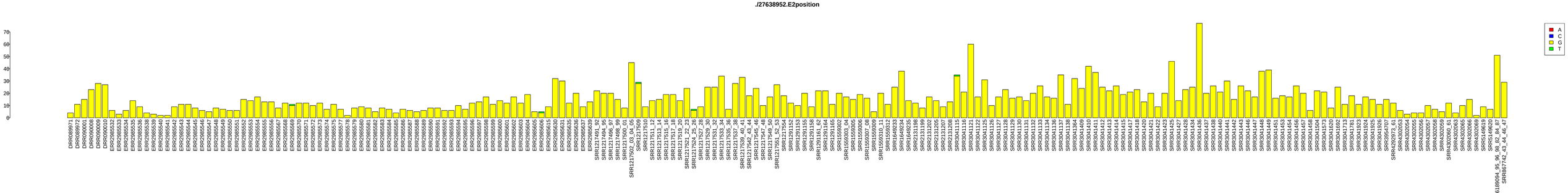

./27638949.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

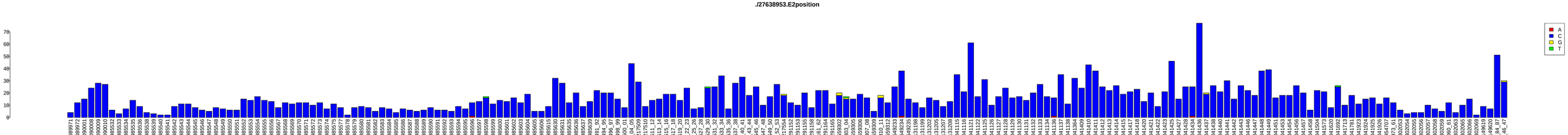
./27638950.E2position



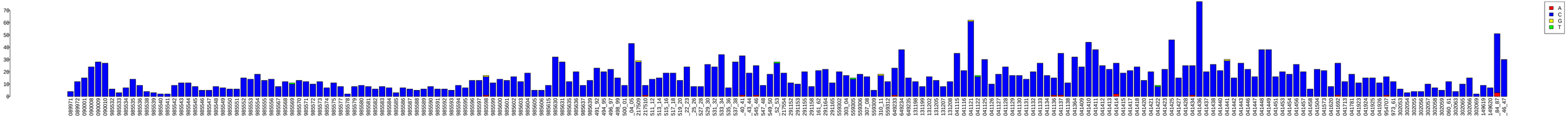
./27638951.E2position



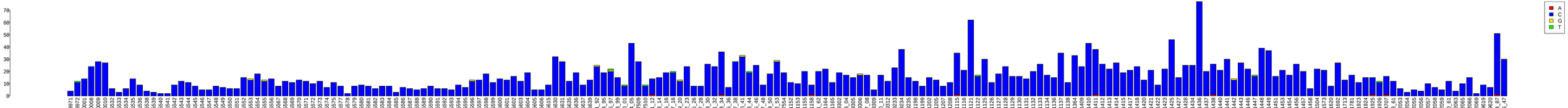

./27638952.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_99
SRR1217500_00
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27638953.E2position
70
60
50
40
30
20
10
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041135
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47
A
C
G
T

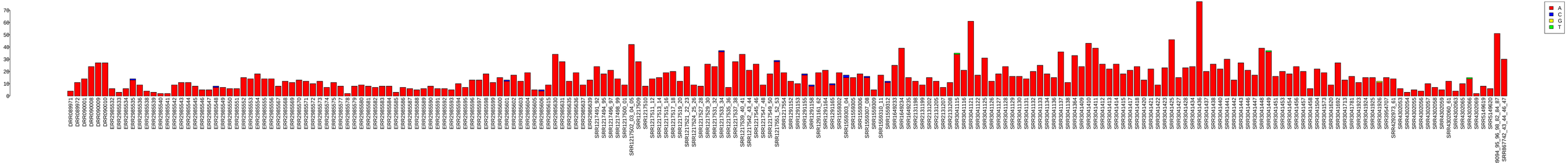
./27638954.E2position

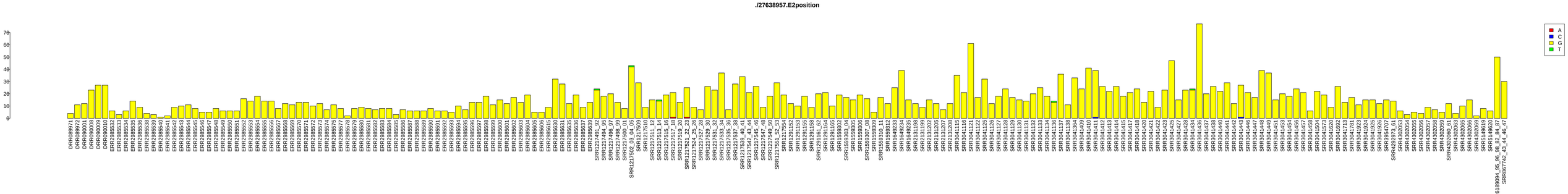


./27638955.E2position

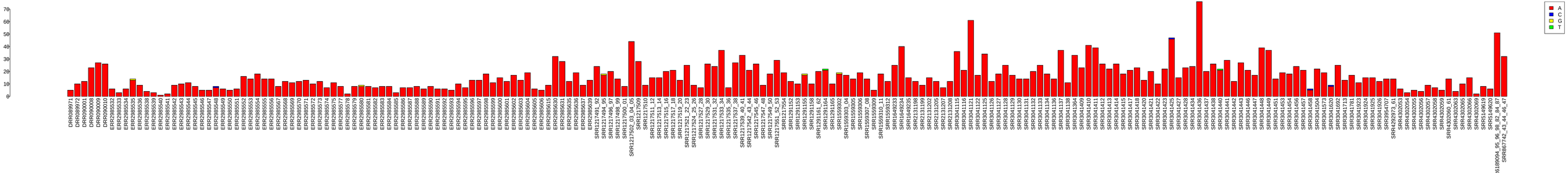


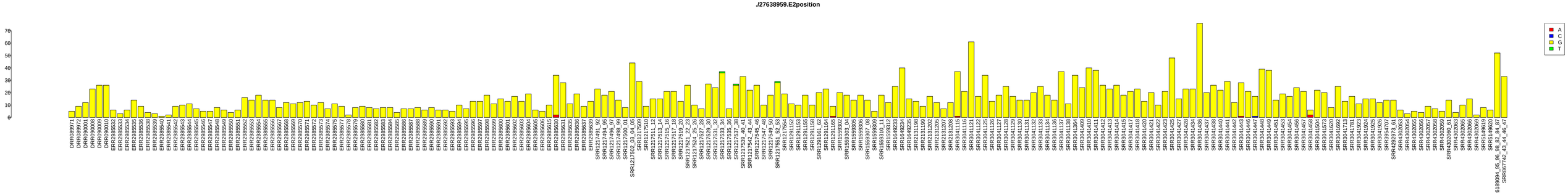
./27638956.E2position



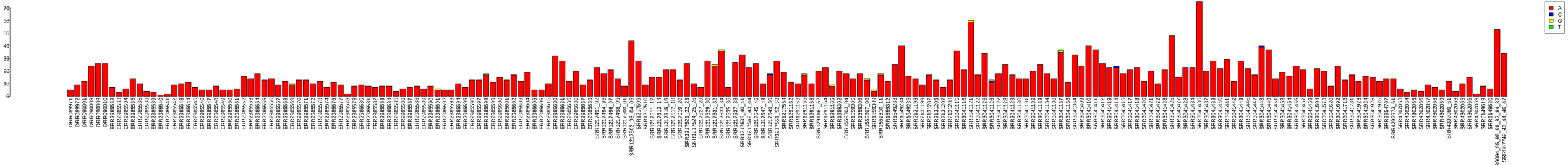

./27638957.E2position
0
10
20
30
40
50
60
70
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041444
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638958.E2position

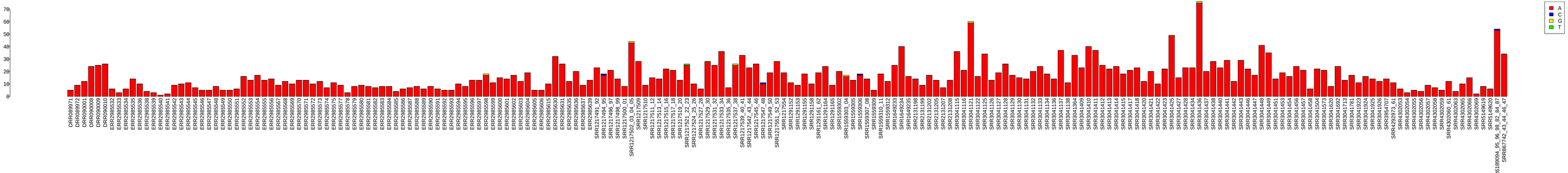


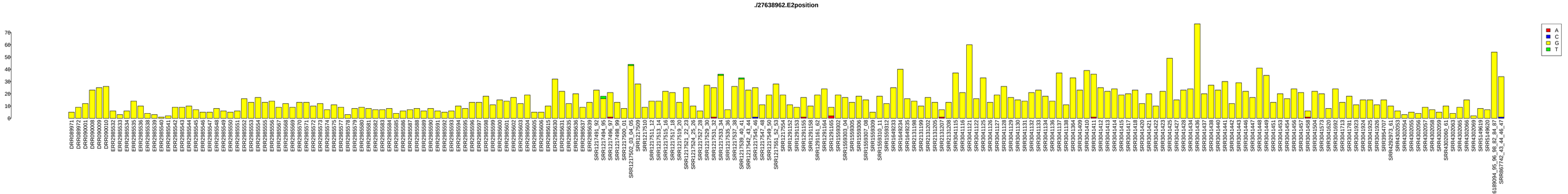

./27638959.E2position
A
C
G
T

./27638960.E2position

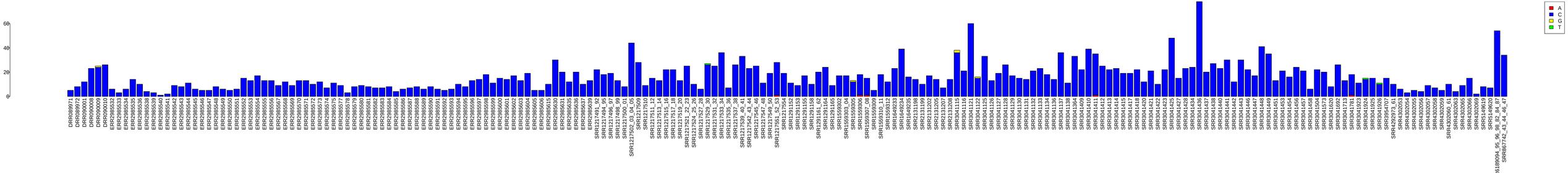


./27638961.E2position

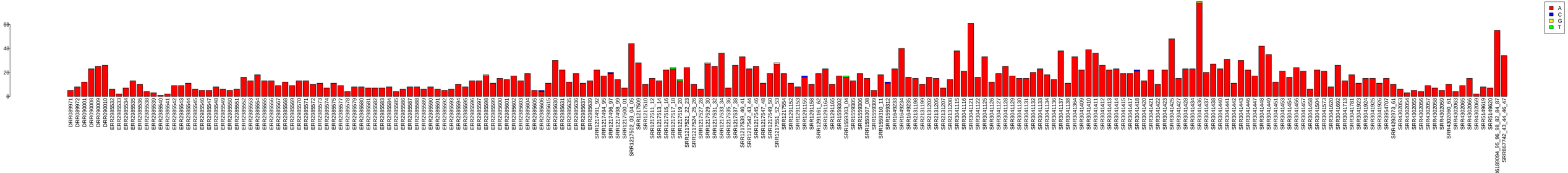


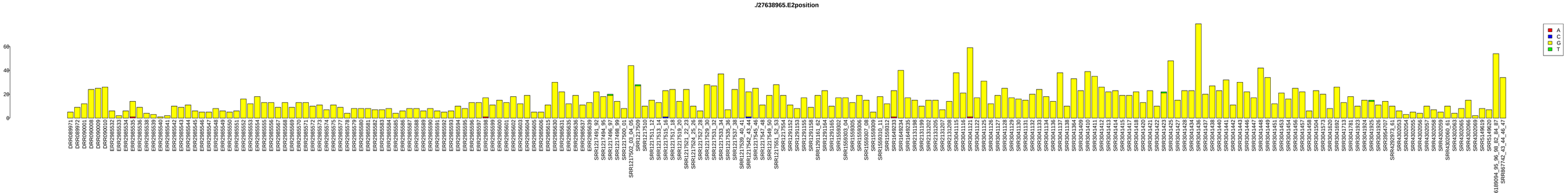

./27638962.E2position
70
60
50
40
30
20
10
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282077
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47
A
C
G
T

./27638963.E2position

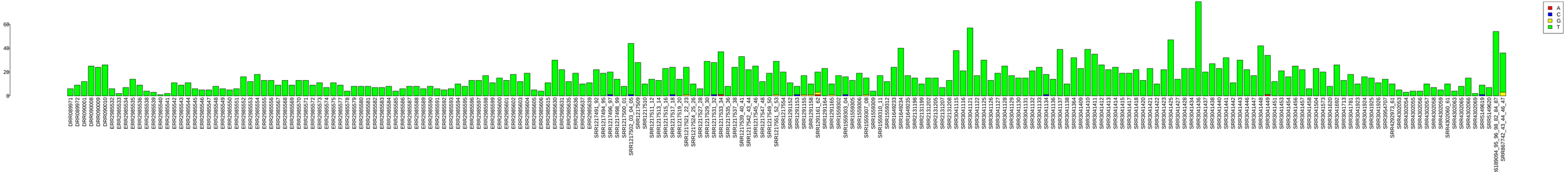


./27638964.E2position

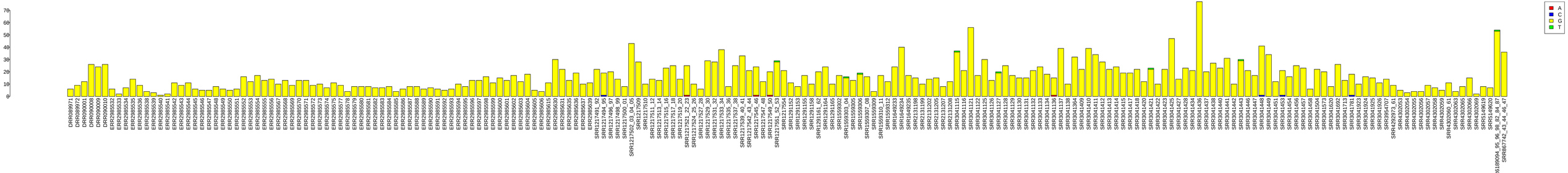



./27638965.E2position
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041124
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

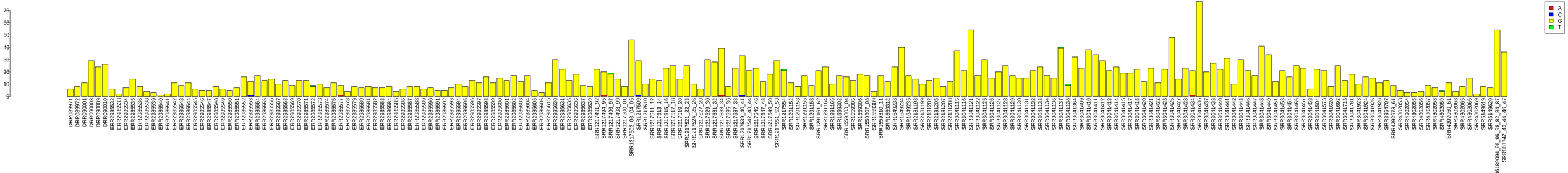
./27638966.E2position



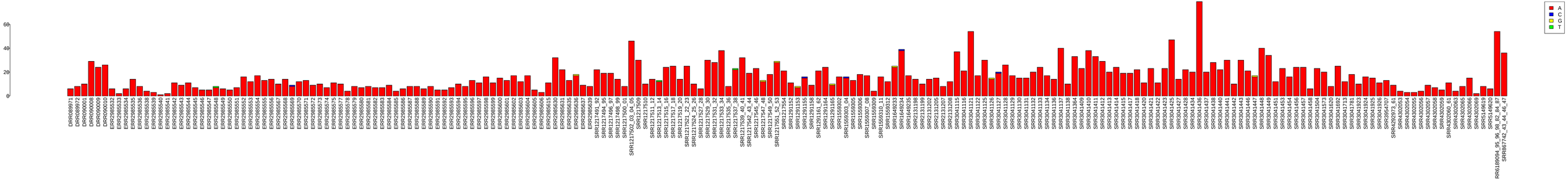
./27638967.E2position



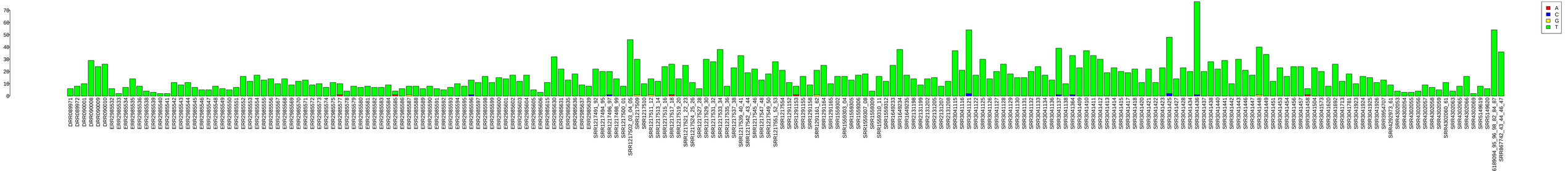
./27638968.E2position

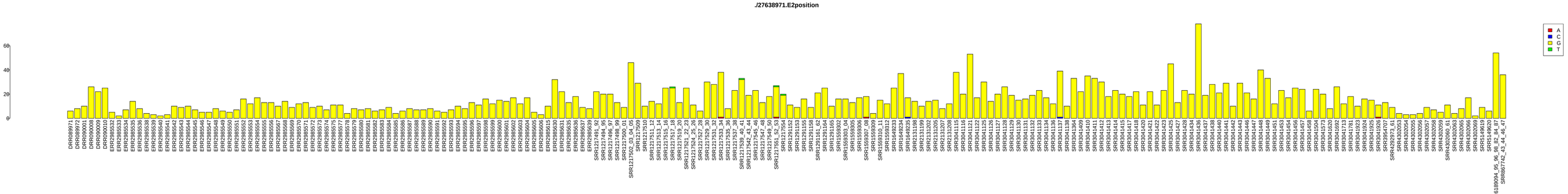


./27638969.E2position

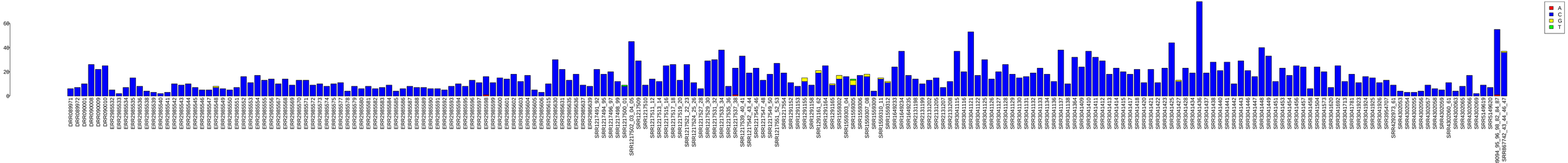


./27638970.E2position

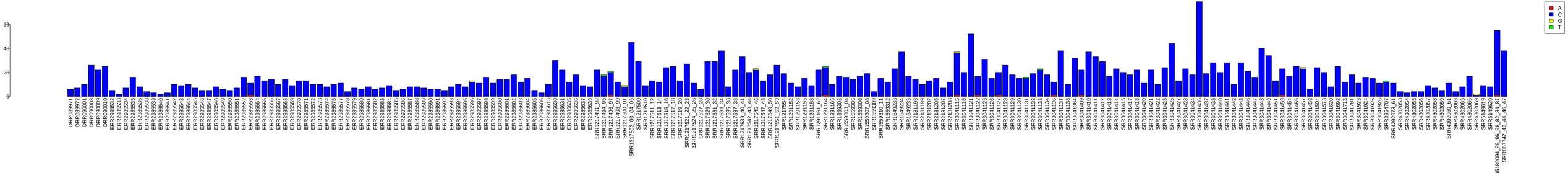



./27638971.E2position
60
40
20
0
A
C
G
T

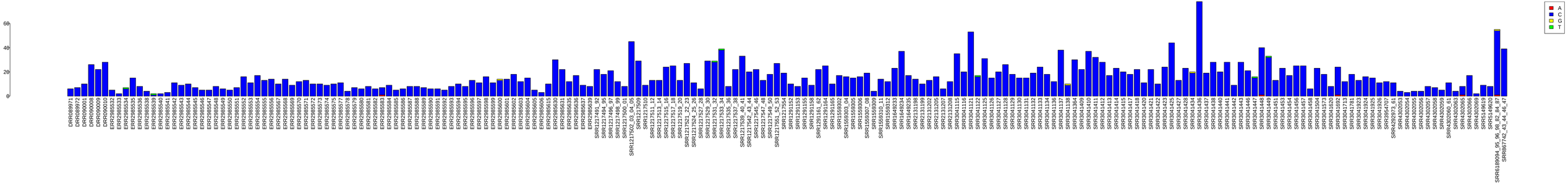
./27638972.E2position

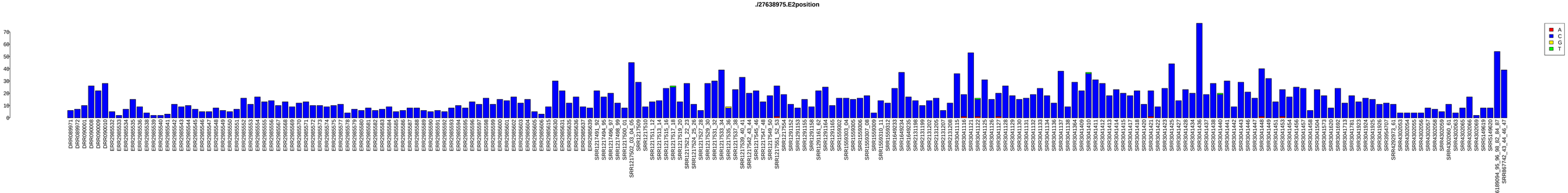

60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR12174494_32
SRR12174494_95
SRR12174496_99
SRR12174500_70
SRR12175502_03_04_05
SRR12175509
SRR12175510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25_26
SRR12175527_28
SRR12175529_30
SRR12175532_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175542_43_44
SRR12175544_45_46
SRR12175547_48_49
SRR12175551_52_53
SRR12175554
SRR12175555
SRR12175152
SRR12175153
SRR12175155
SRR12175158
SRR12175161_62
SRR12175164
SRR12175165
SRR12175167
SRR12175168
SRR12175169
SRR12175170
SRR12175171
SRR12175172
SRR12175173
SRR12175174
SRR12175175
SRR12175176
SRR12175177
SRR12175178
SRR12175179
SRR12175180
SRR12175181
SRR12175182
SRR12175183
SRR12175184
SRR12175185
SRR12175186
SRR12175187
SRR12175188
SRR12175189
SRR12175190
SRR12175191
SRR12175192
SRR12175193
SRR12175194
SRR12175195
SRR12175196
SRR12175197
SRR12175198
SRR12175199
SRR12175200
SRR12175201
SRR12175202
SRR12175203
SRR12175204
SRR12175205
SRR12175206

./27638973.E2position

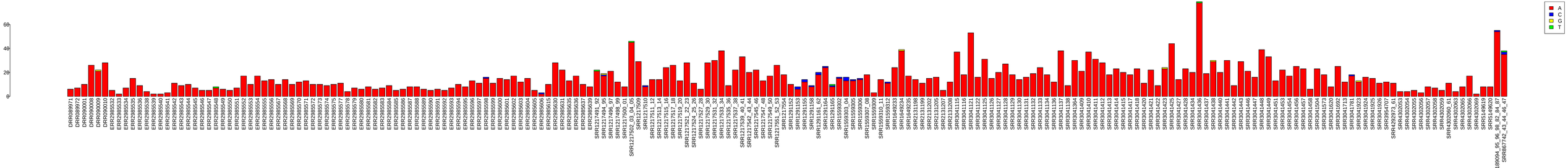


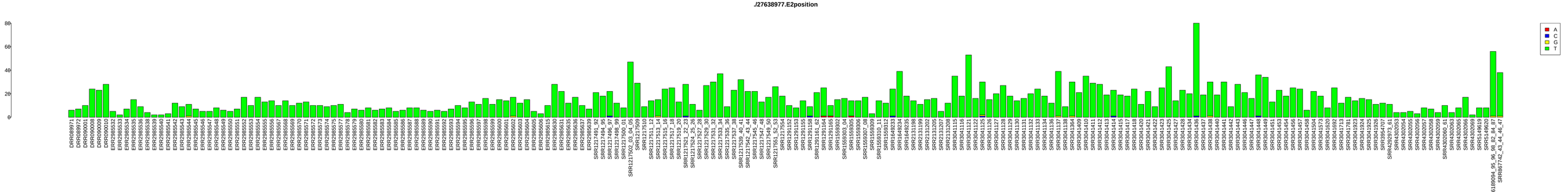
./27638974.E2position



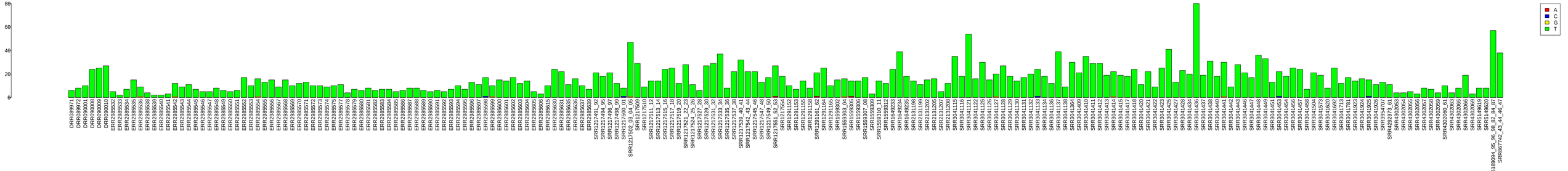

./27638975.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_32
SRR1217494_95
SRR1217494_97
SRR1217496_69
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041459
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

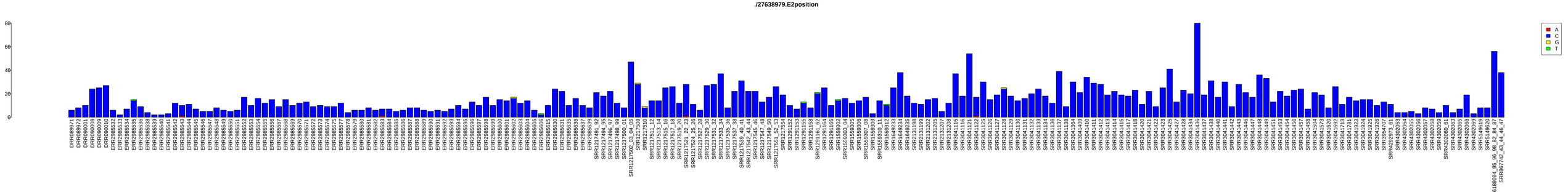
./27638976.E2position



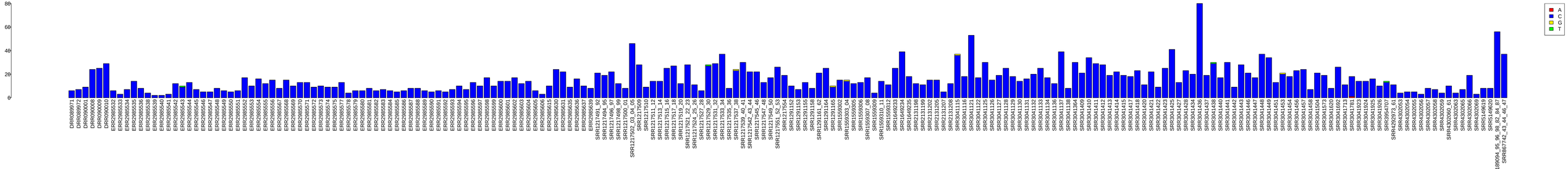

./27638977.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985561
ERR2985562
ERR2985563
ERR2985564
ERR2985565
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

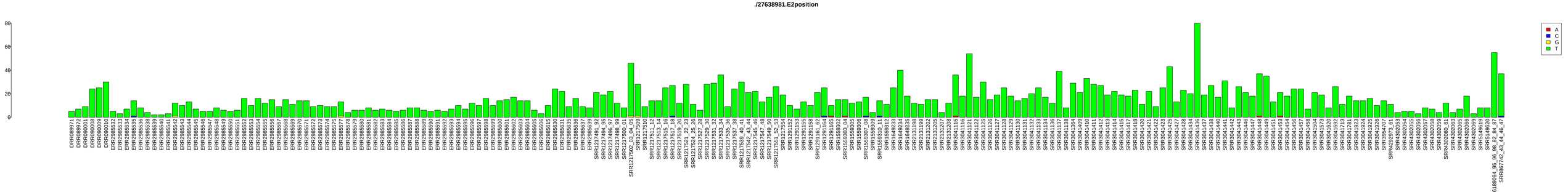
./27638978.E2position

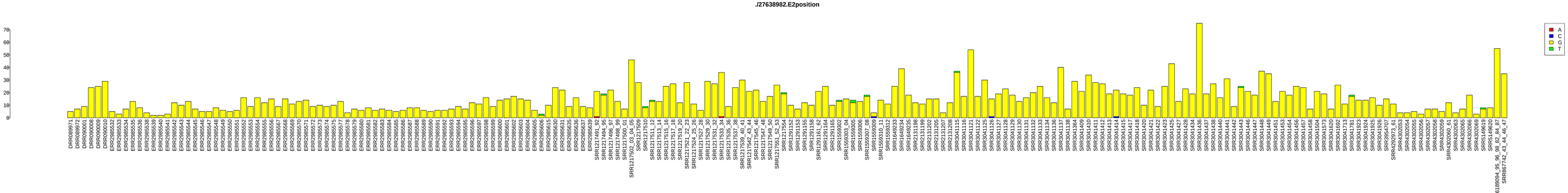


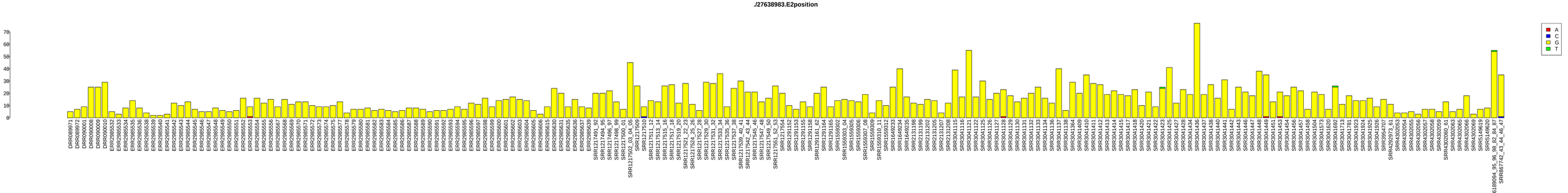

./27638979.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2865532
ERR2865533
ERR2865534
ERR2865535
ERR2865536
ERR2865538
ERR2865539
ERR2865540
ERR2865541
ERR2865542
ERR2865543
ERR2865544
ERR2865545
ERR2865546
ERR2865547
ERR2865548
ERR2865549
ERR2865550
ERR2865551
ERR2865552
ERR2865553
ERR2865554
ERR2865555
ERR2865556
ERR2865558
ERR2865569
ERR2865570
ERR2865571
ERR2865572
ERR2865573
ERR2865574
ERR2865575
ERR2865577
ERR2865578
ERR2865579
ERR2865580
ERR2865581
ERR2865582
ERR2865583
ERR2865584
ERR2865585
ERR2865586
ERR2865587
ERR2865588
ERR2865589
ERR2865590
ERR2865591
ERR2865592
ERR2865593
ERR2865594
ERR2865595
ERR2865596
ERR2865597
ERR2865598
ERR2865599
ERR2865600
ERR2865601
ERR2865602
ERR2865603
ERR2865604
ERR2865605
ERR2865615
ERR2865616
ERR2865631
ERR2865635
ERR2865636
ERR2865637
ERR2865638
ERR2865639
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649224
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131203
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27638980.E2position

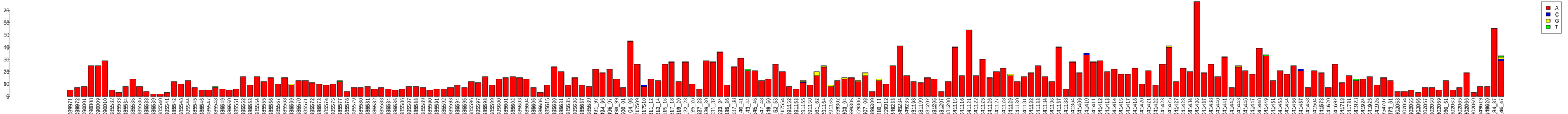



./27638981.E2position
80
60
40
20
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

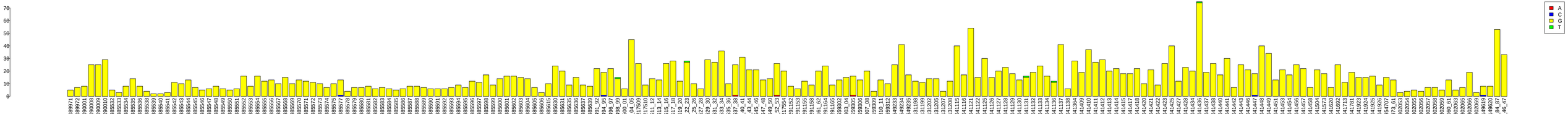

./27638982.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217494_99
SRR1217500_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

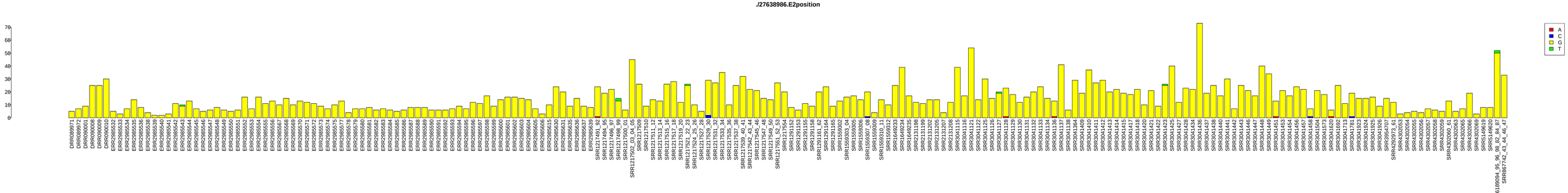

./27638983.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172491_92
SRR12172494_95
SRR12172496_97
SRR12172500_01
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203
SRR12172204
SRR12172205
SRR12172206

./27638984.E2position

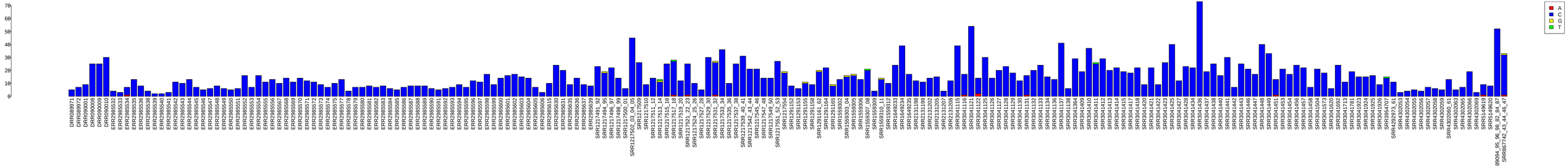


./27638985.E2position

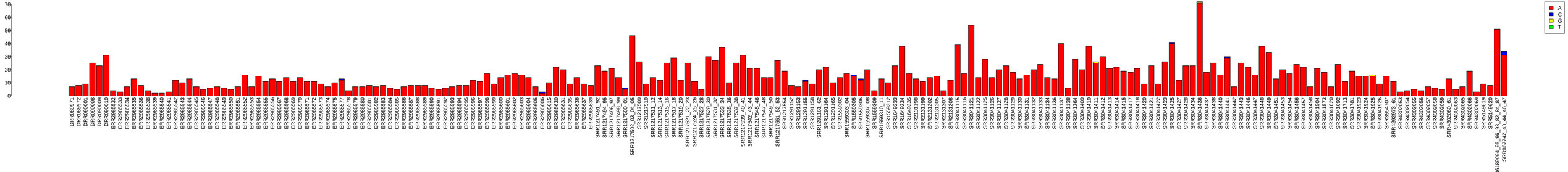


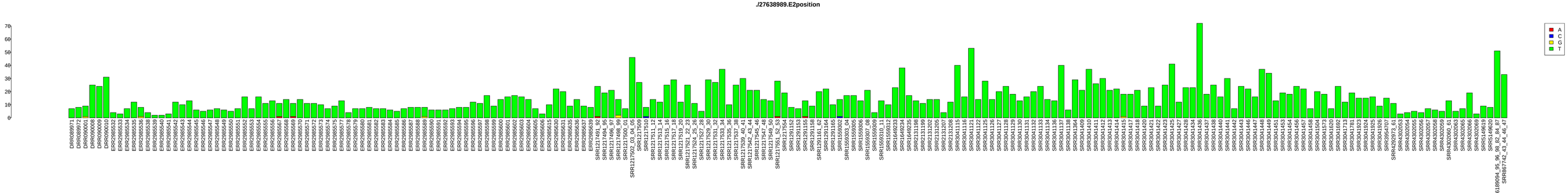

./27638986.E2position
A
C
G
T

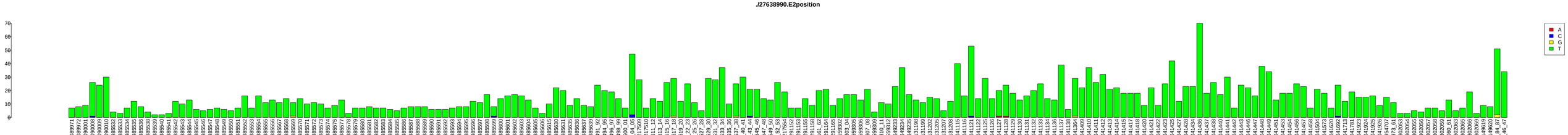
./27638987.E2position



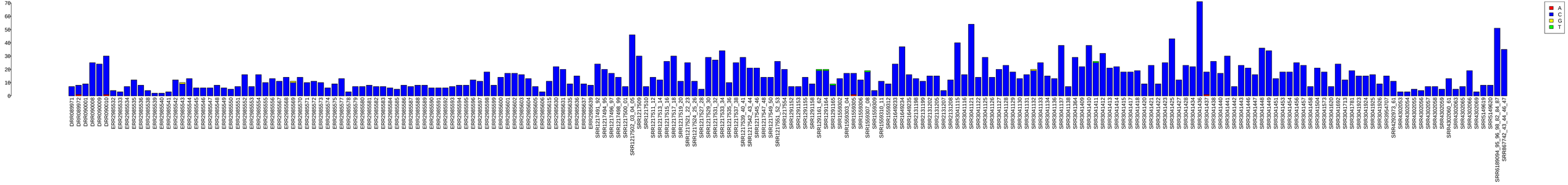
./27638988.E2position



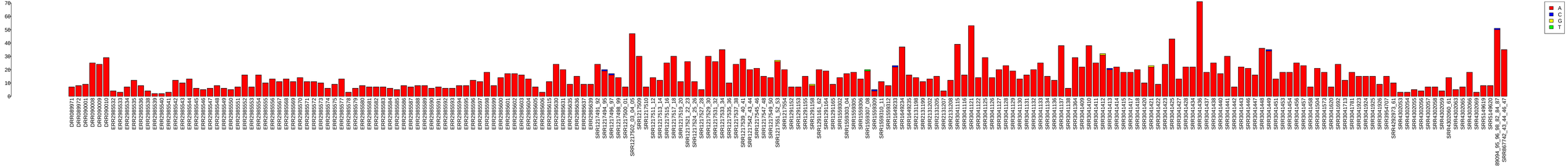

./27638989.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985561
ERR2985562
ERR2985563
ERR2985564
ERR2985565
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217516_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146617
SRR6181094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27638990.E2position
70
60
50
40
30
20
10
0
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985561
ERR2985562
ERR2985563
ERR2985564
ERR2985565
ERR2985566
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1291166
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47
A
C
G
T

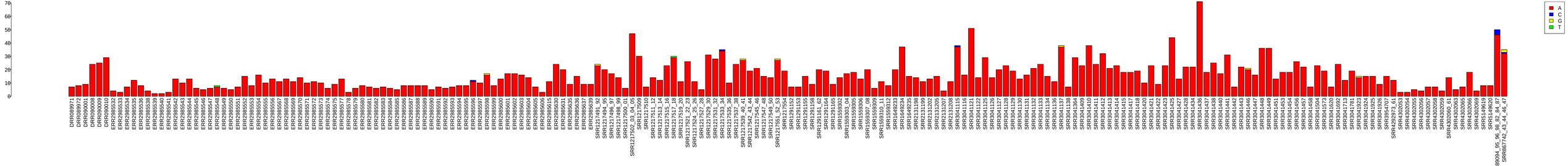
./27638991.E2position

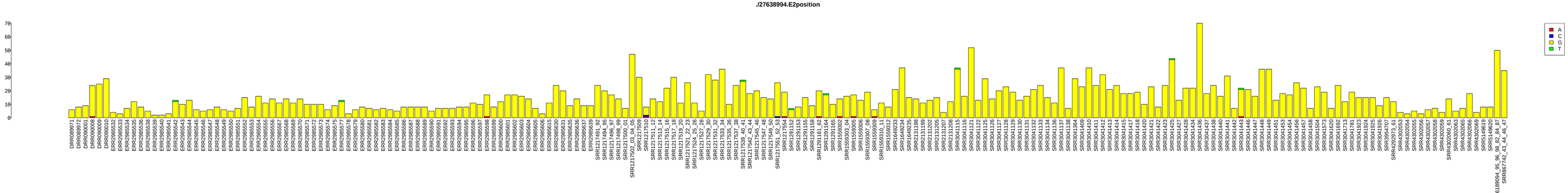


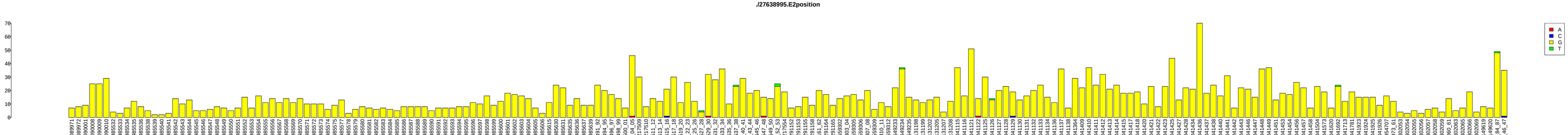
./27638992.E2position


70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985632
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR12172491_92
SRR12172494_95
SRR12172496_97
SRR12172500_01
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22
SRR12172523_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172552
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172207
SRR12172208
SRR12172209
SRR12172210
SRR12172211

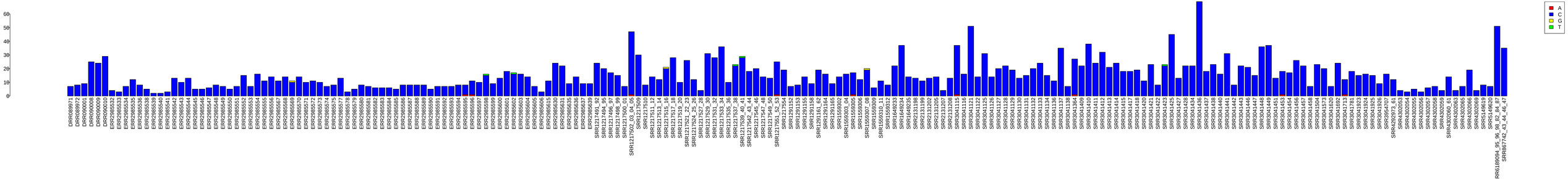
./27638993.E2position



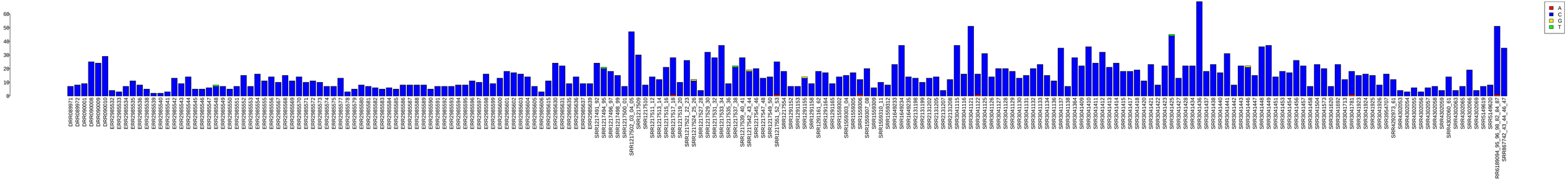

./27638994.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217516_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217523_24
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041925
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27638995.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217519_20
SRR1217517_18
SRR1217521_22
SRR1217523_24
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146621
SRR6181094_95_96_98_82_84_87
SRR6877422_43_44_46_47

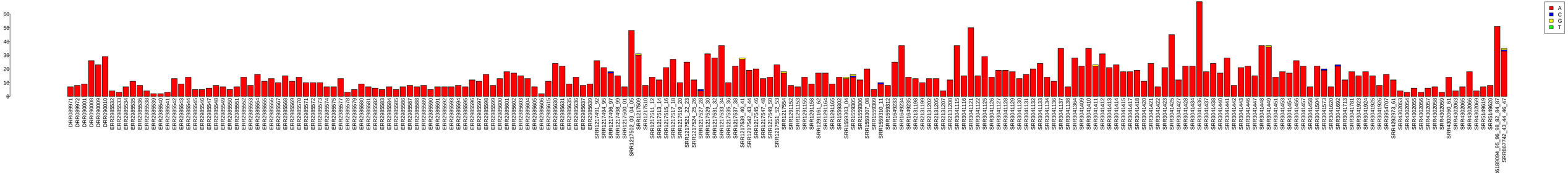
./27638996.E2position

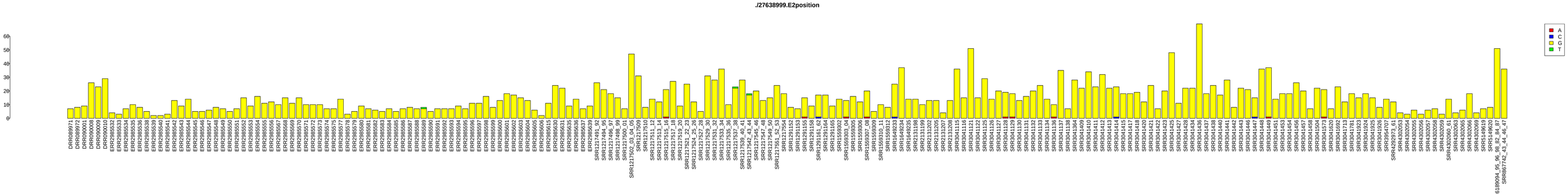


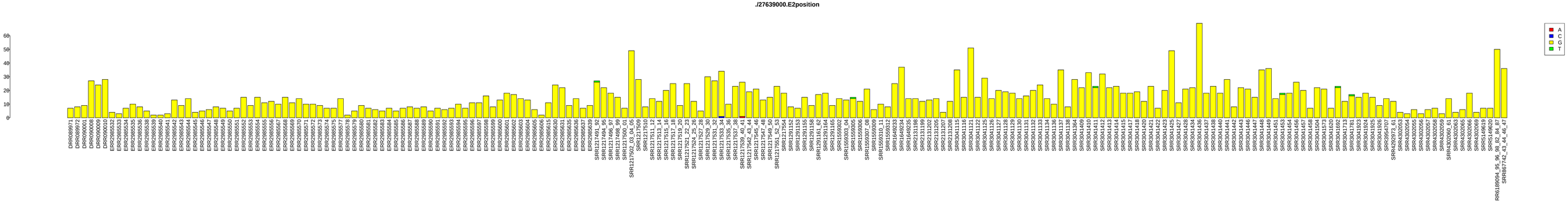
./27638997.E2position



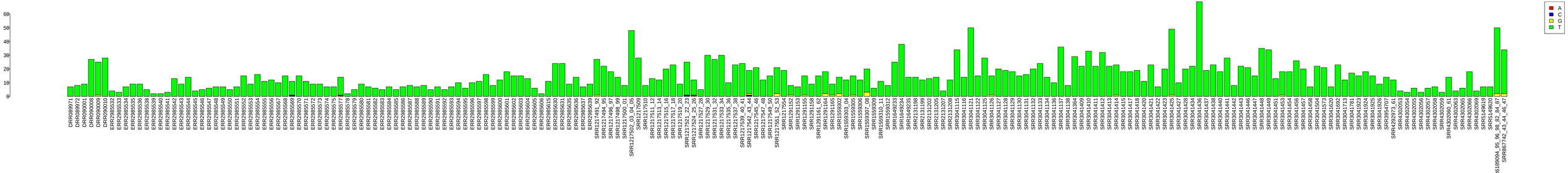
./27638998.E2position



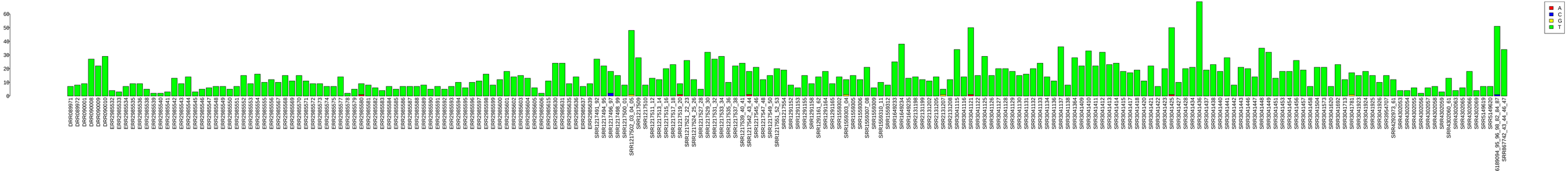

./27638999.E2position
A
C
G
T


./27639000.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217523_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041926
SRR3041927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

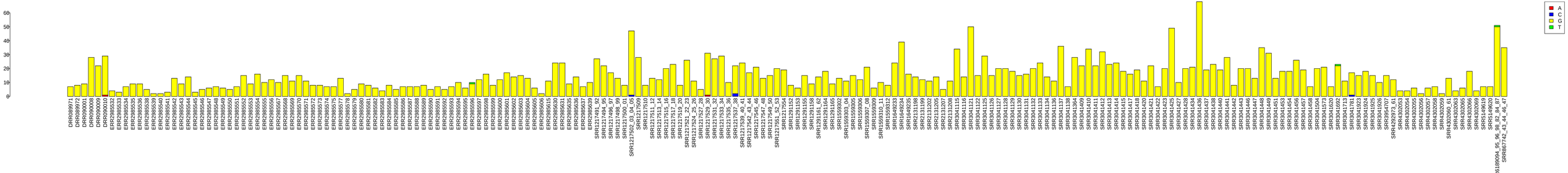
./27639001.E2position



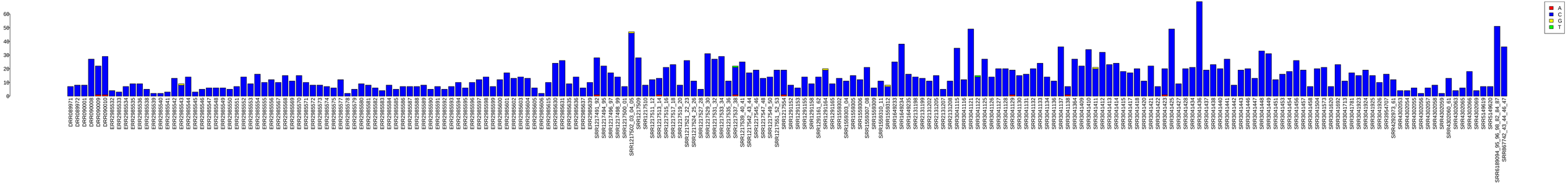
./27639002.E2position



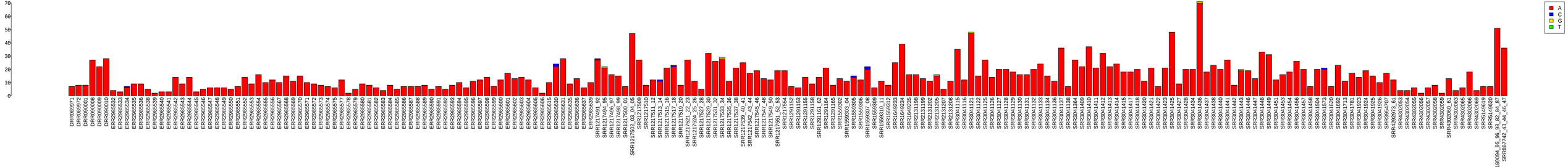
./27639003.E2position


A
C
G
T
0
10
20
30
40
50
60
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172492_92
SRR12172494_95
SRR12172496_99
SRR12172498_01
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172516_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172166
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203

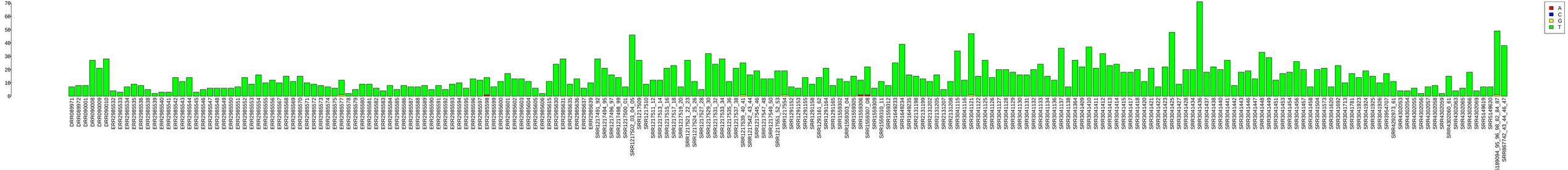
./27639004.E2position



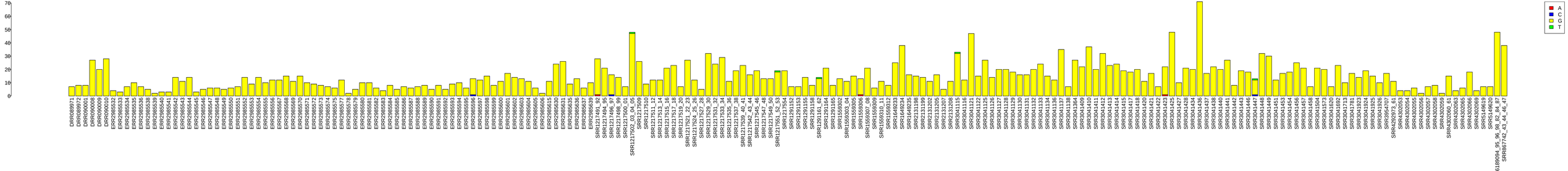
./27639005.E2position

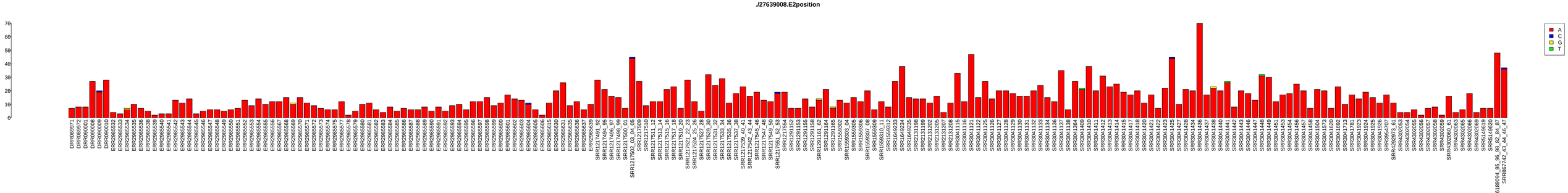


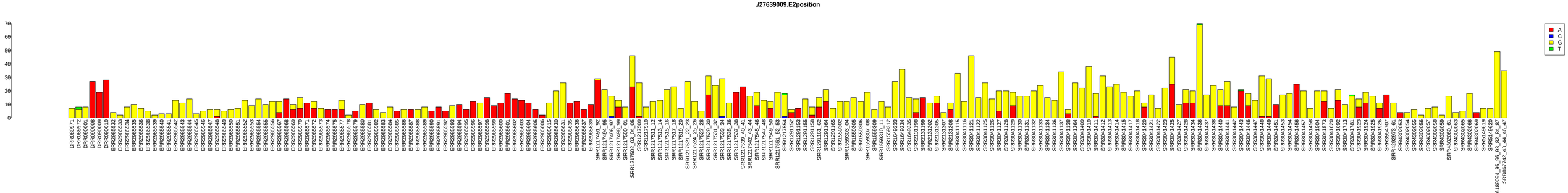
./27639006.E2position

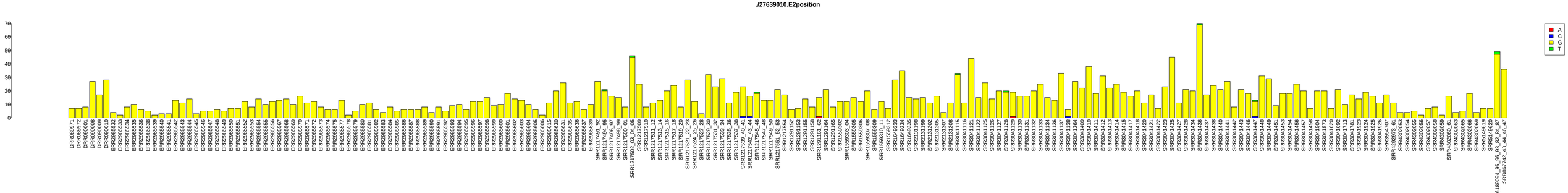


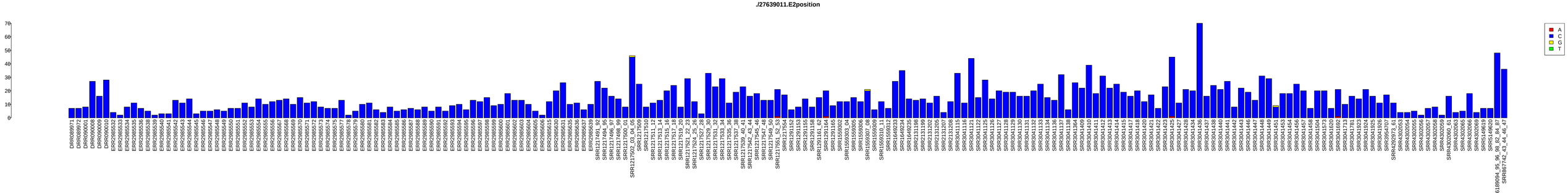
./27639007.E2position

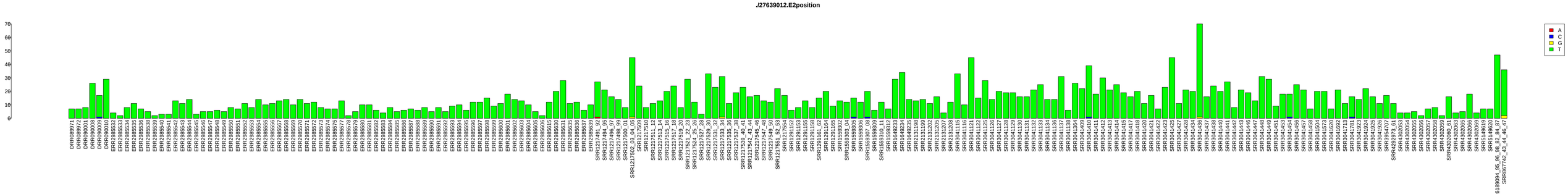


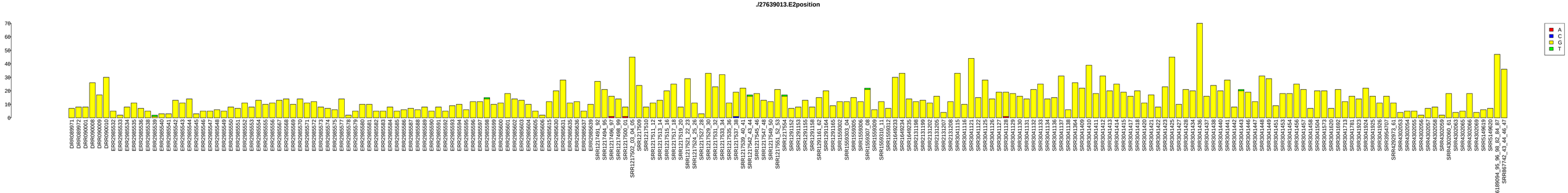

./27639008.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131203
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041572
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47


./27639009.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217495_96
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041733
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

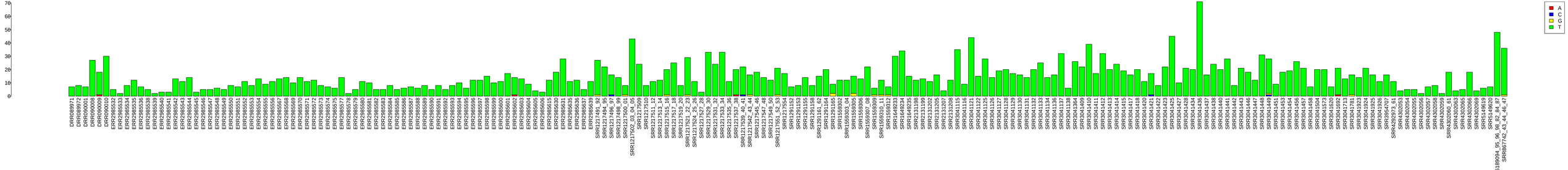

./27639010.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172492_92
SRR12172494_95
SRR12172496_97
SRR12172498_99
SRR12172500_01
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22
SRR12172523_24
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172544_45_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_162
SRR12172164
SRR12172165
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203
SRR12172204
SRR12172205
SRR12172206

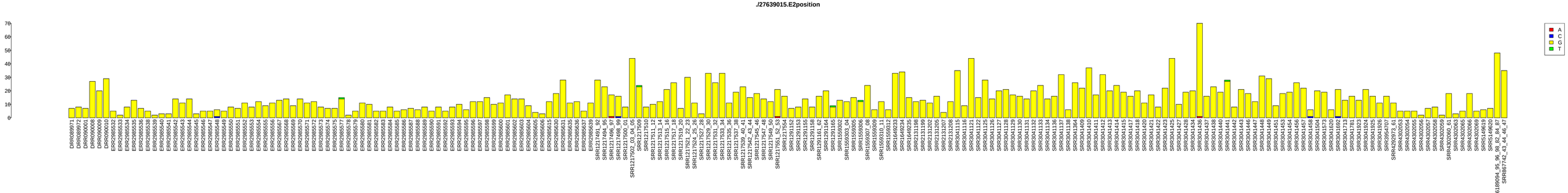

./27639011.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041426
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

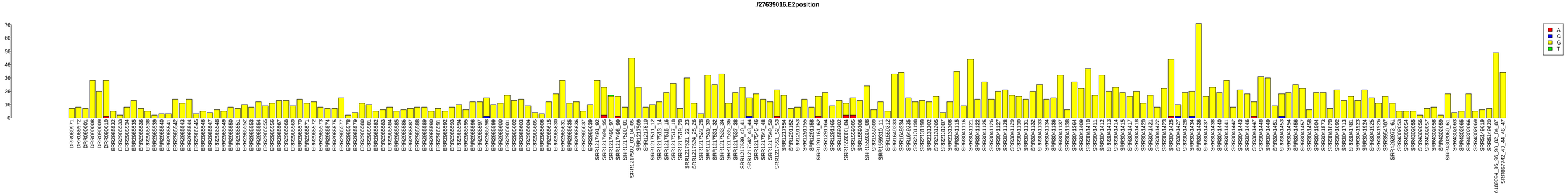

./27639012.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090032
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27639013.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217537_38
SRR1217537_39
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

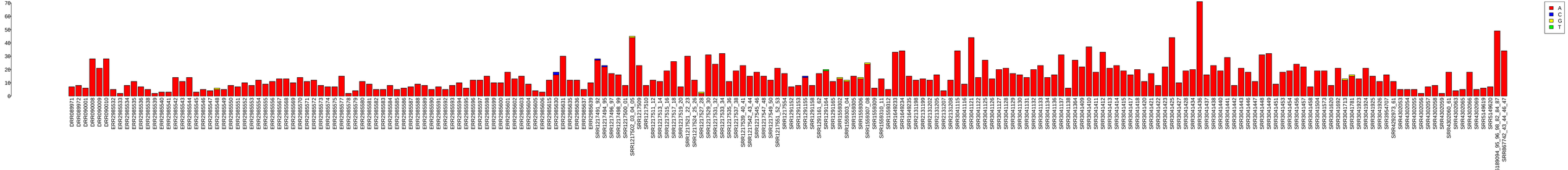
./27639014.E2position

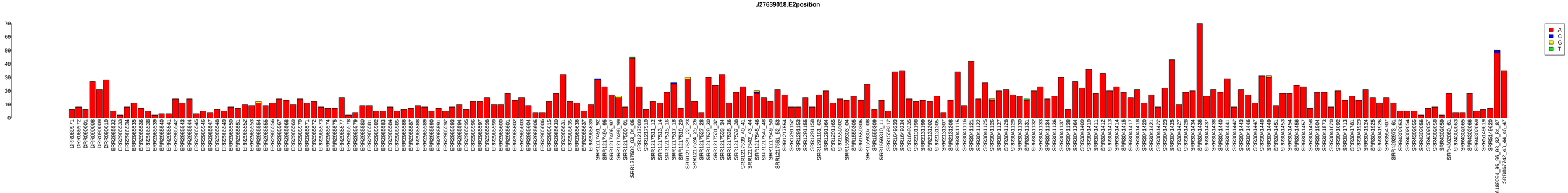



./27639015.E2position
A
C
G
T

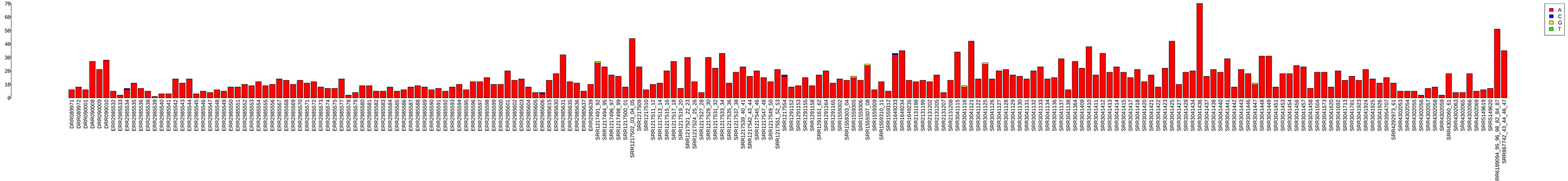

./27639016.E2position
A
C
G
T

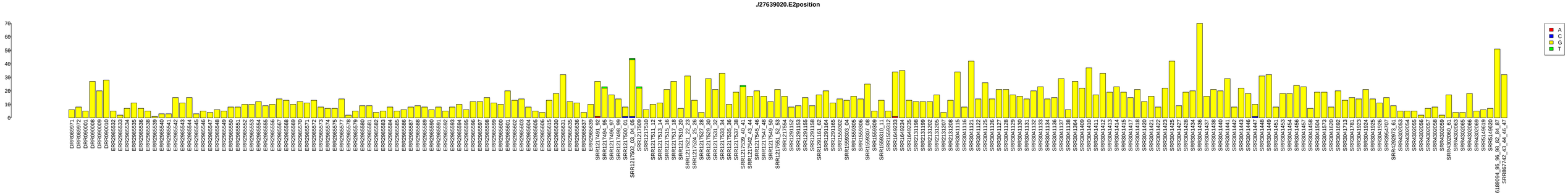
./27639017.E2position


70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172153
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR12172167
SRR12172168
SRR12172169
SRR12172170
SRR12172171
SRR12172172
SRR12172173
SRR12172174
SRR12172175
SRR12172176
SRR12172177
SRR12172178
SRR12172179
SRR12172180
SRR12172181
SRR12172182
SRR12172183
SRR12172184
SRR12172185
SRR12172186
SRR12172187
SRR12172188
SRR12172189
SRR12172190
SRR12172191
SRR12172192
SRR12172193
SRR12172194
SRR12172195
SRR12172196
SRR12172197
SRR12172198
SRR12172199
SRR12172200
SRR12172201
SRR12172202
SRR12172203
SRR12172204
SRR12172205
SRR12172206

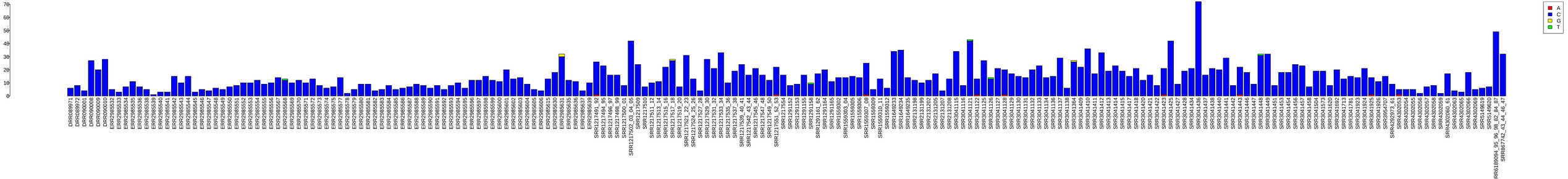

./27639018.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR12175491_92
SRR12175494_95
SRR12175496_99
SRR12175500_03
SRR12175502_03_05
SRR12175509
SRR12175510
SRR12175511_12
SRR12175513_14
SRR12175515_16
SRR12175517_18
SRR12175519_20
SRR12175521_22_23
SRR12175524_25
SRR12175527_28
SRR12175529_30
SRR12175531_32
SRR12175533_34
SRR12175535_36
SRR12175537_38
SRR12175539_40_41
SRR12175542_43_44
SRR12175544_46
SRR12175547_48
SRR12175549_50
SRR12175551_52_53
SRR12175554
SRR12175152
SRR12175153
SRR12175155
SRR12175158
SRR12175161_62
SRR12175164
SRR12175165
SRR12175167
SRR12175168
SRR12175169
SRR12175170
SRR12175171
SRR12175172
SRR12175173
SRR12175174
SRR12175175
SRR12175176
SRR12175177
SRR12175178
SRR12175179
SRR12175180
SRR12175181
SRR12175182
SRR12175183
SRR12175184
SRR12175185
SRR12175186
SRR12175187
SRR12175188
SRR12175189
SRR12175190
SRR12175191
SRR12175192
SRR12175193
SRR12175194
SRR12175195
SRR12175196
SRR12175197
SRR12175198
SRR12175199
SRR12175200
SRR12175201
SRR12175202
SRR12175203
SRR12175204
SRR12175205
SRR12175206

./27639019.E2position

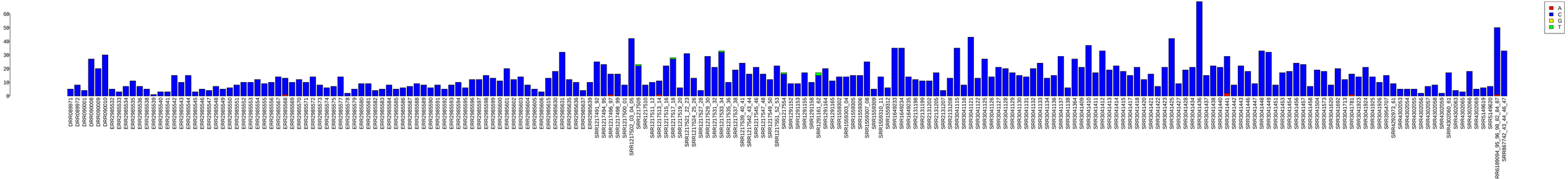


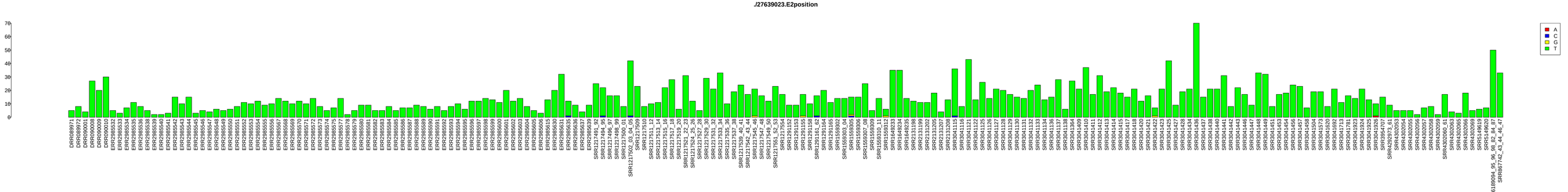

./27639020.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041926
SRR4282027
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

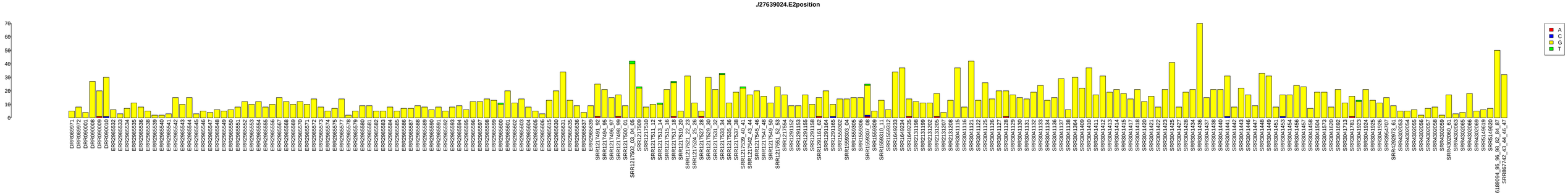
./27639021.E2position

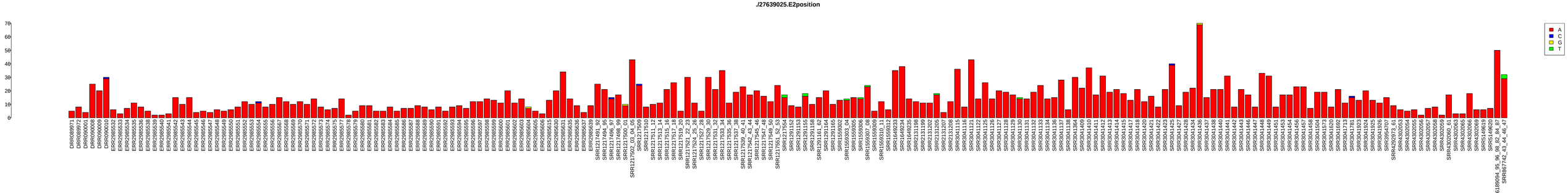


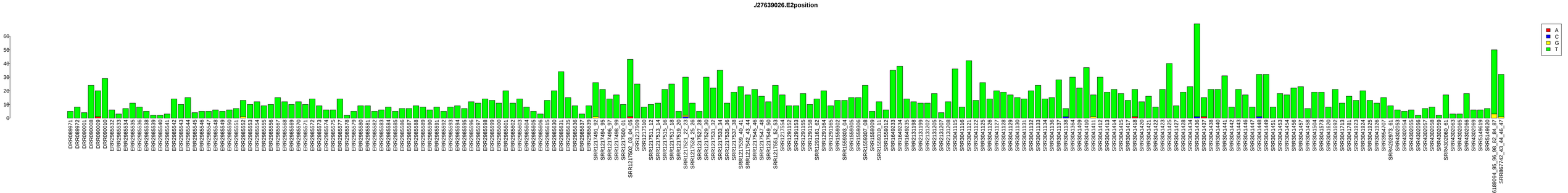
./27639022.E2position



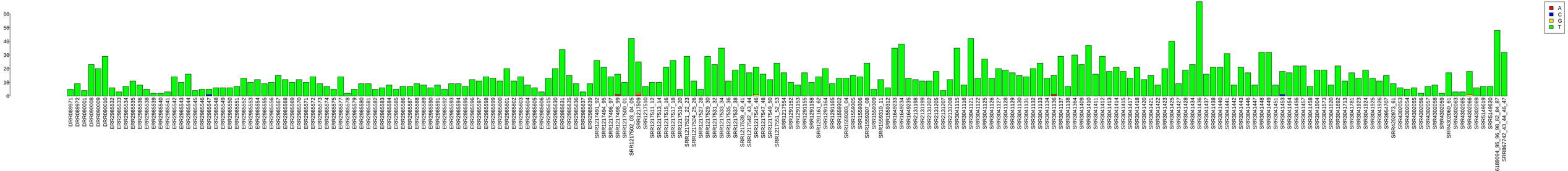

./27639023.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12171491_92
SRR12171494_95
SRR12171496_97
SRR12171498_99
SRR12171500_01
SRR12171502_03_04_05
SRR12171509
SRR12171510
SRR12171511_12
SRR12171514_15
SRR12171515_16
SRR12171517_18
SRR12171519_20
SRR12171521_22_23
SRR12171524_25
SRR12171527_28
SRR12171529_30
SRR12171531_32
SRR12171533_34
SRR12171535_36
SRR12171537_38
SRR12171539_40_41
SRR12171542_43_44
SRR12171545_46
SRR12171547_48
SRR12171549_50
SRR12171551_52_53
SRR12171554
SRR12171152
SRR12171153
SRR12171155
SRR12171158
SRR12171161_162
SRR12171164
SRR12171165
SRR12171166
SRR12171167
SRR12171168
SRR12171169
SRR12171170
SRR12171171
SRR12171172
SRR12171173
SRR12171174
SRR12171175
SRR12171176
SRR12171177
SRR12171178
SRR12171179
SRR12171180
SRR12171181
SRR12171182
SRR12171183
SRR12171184
SRR12171185
SRR12171186
SRR12171187
SRR12171188
SRR12171189
SRR12171190
SRR12171191
SRR12171192
SRR12171193
SRR12171194
SRR12171195
SRR12171196
SRR12171197
SRR12171198
SRR12171199
SRR12171200
SRR12171201
SRR12171207
SRR12171208


./27639024.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985531
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131188
SRR2131189
SRR2131199
SRR2131200
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041450
SRR3041451
SRR3041453
SRR3041454
SRR3041455
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041731
SRR3041733
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

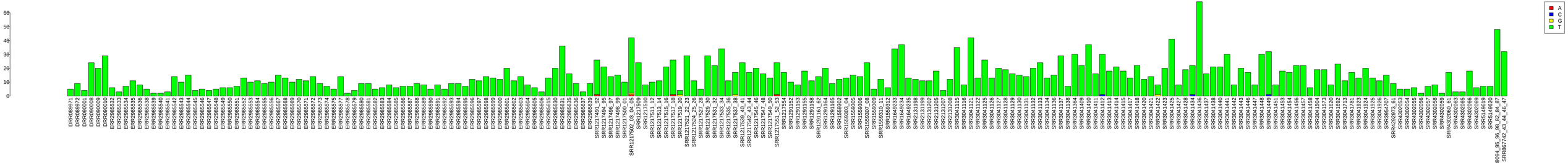

./27639025.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041572
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47


./27639026.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985529
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

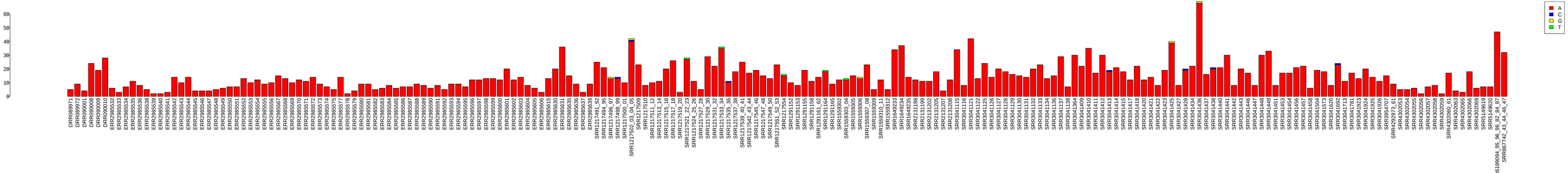
./27639027.E2position

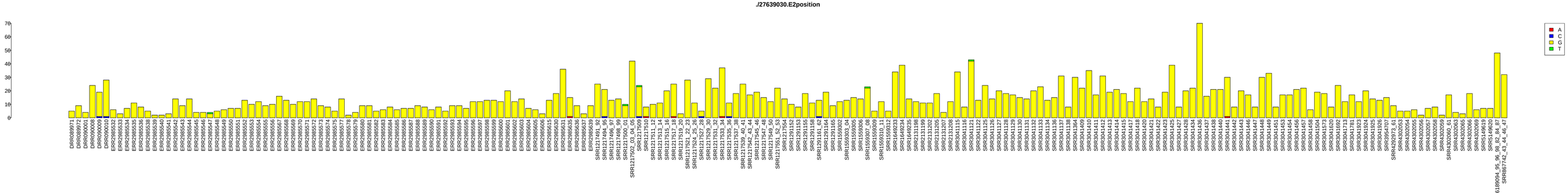


./27639028.E2position

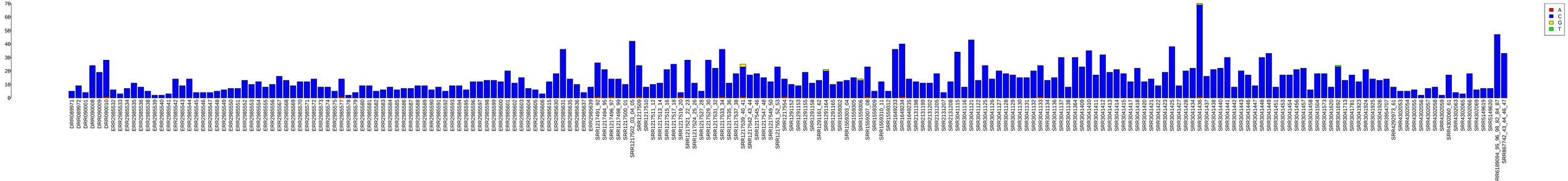


./27639029.E2position

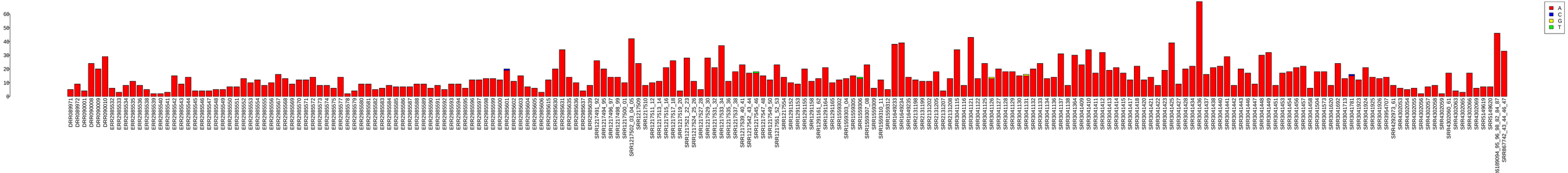



./27639030.E2position
70
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_162
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

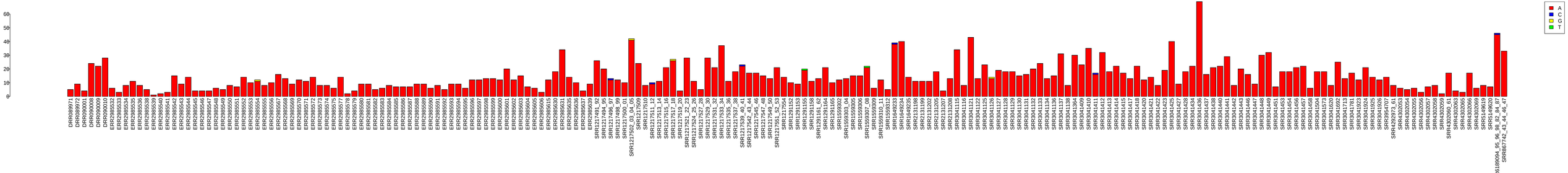
./27639031.E2position



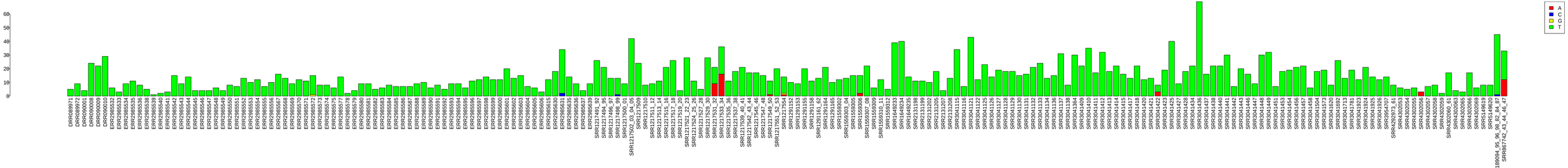
./27639032.E2position



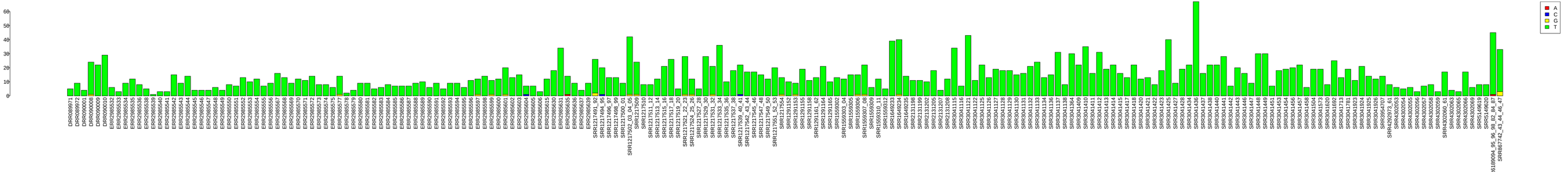
./27639033.E2position

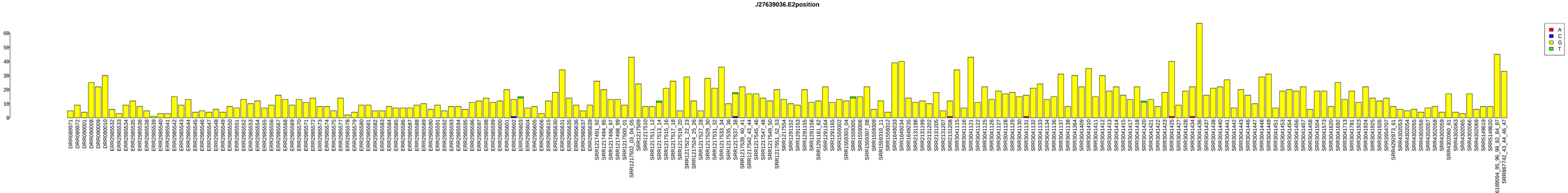


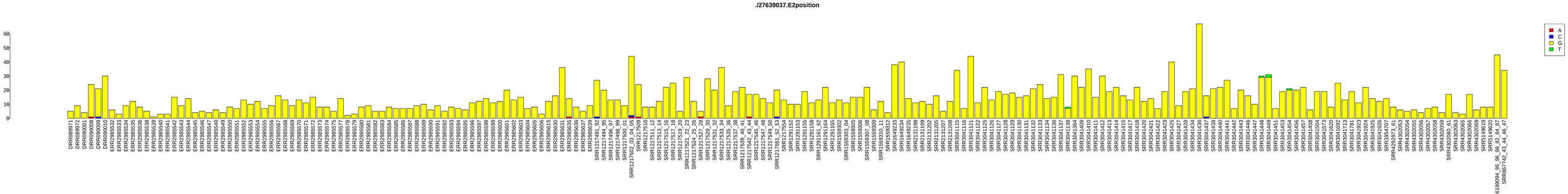
./27639034.E2position



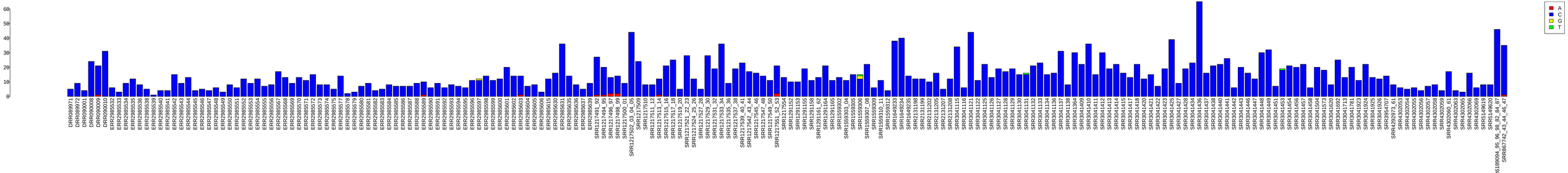
./27639035.E2position



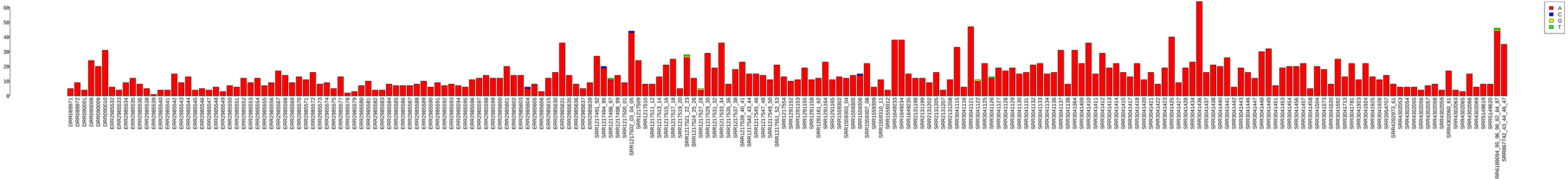

./27639036.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_98
SRR1217500_99
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217516_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217537_38
SRR1217537_39
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041431
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27639037.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217495_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_45_46
SRR1217547_48_49
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

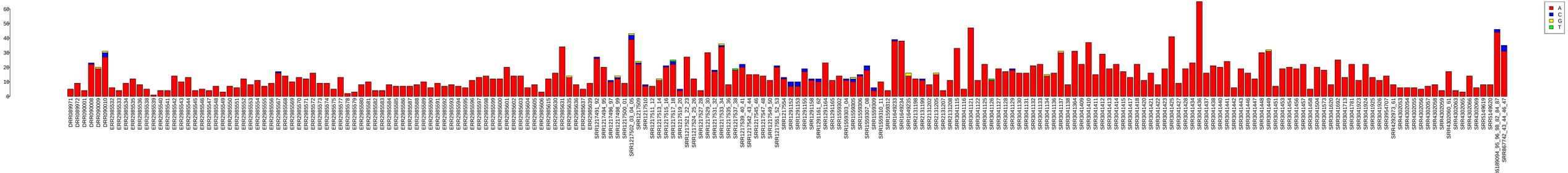
./27639038.E2position



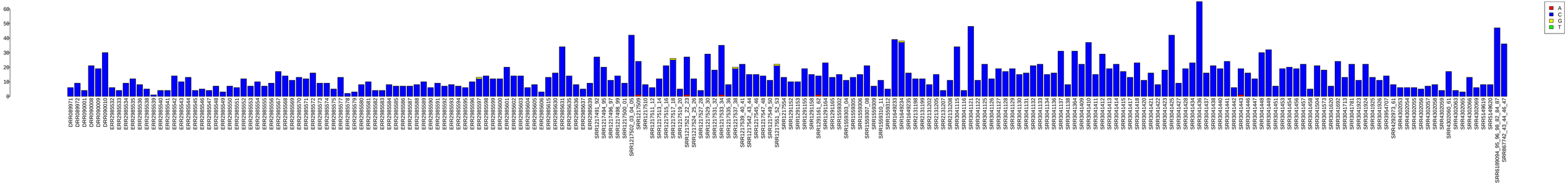
./27639039.E2position



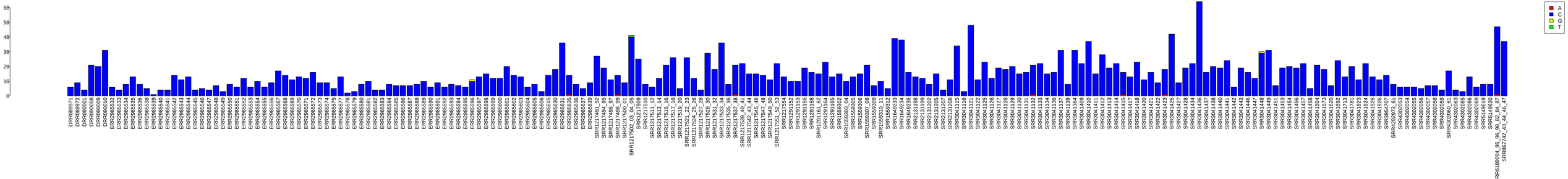
./27639040.E2position



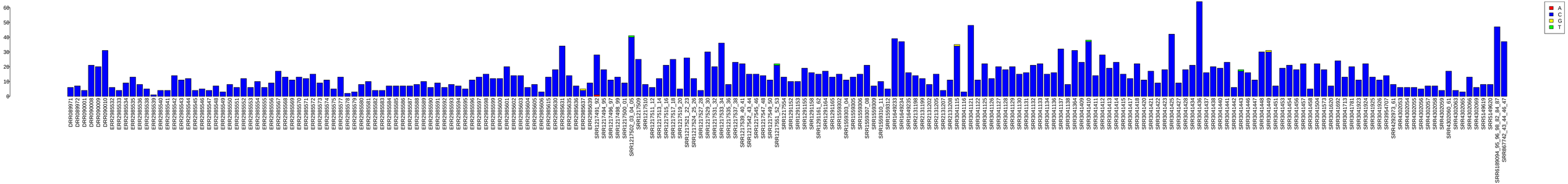
./27639041.E2position

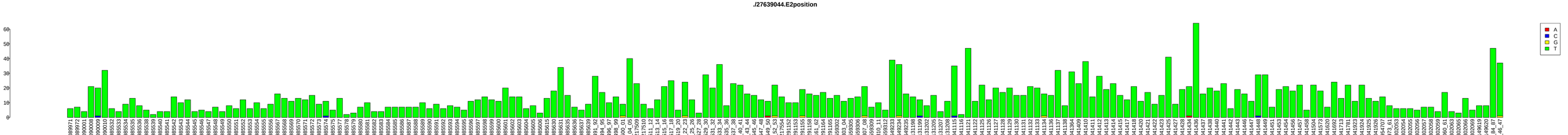


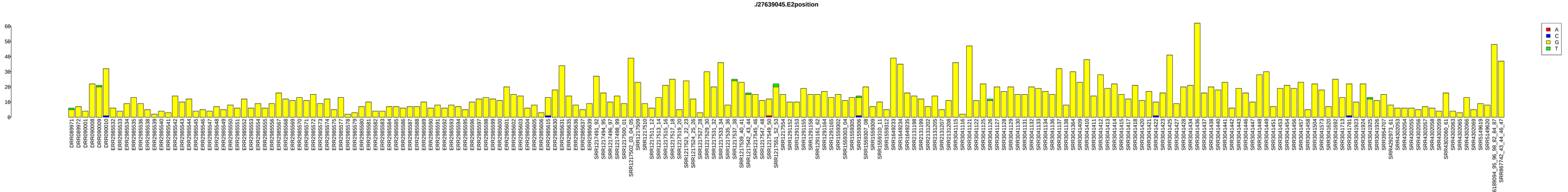
./27639042.E2position



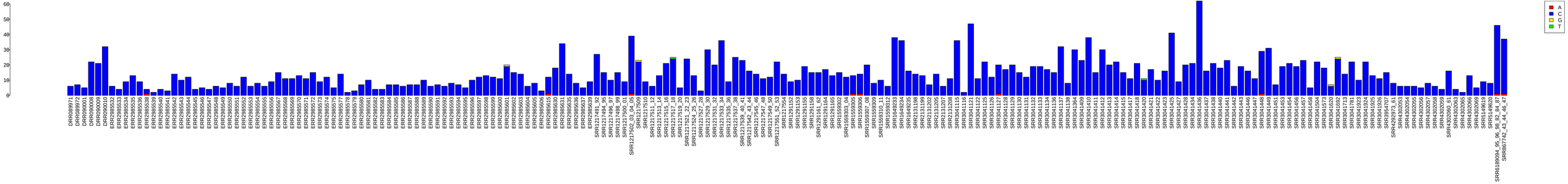
./27639043.E2position



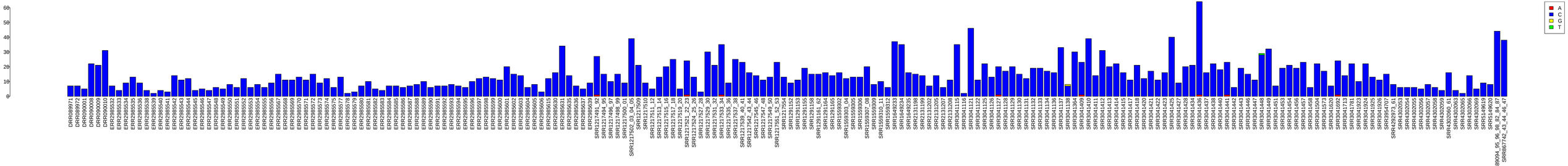

./27639044.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041431
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146615
SRR5146616
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27639045.E2position
A
C
G
T

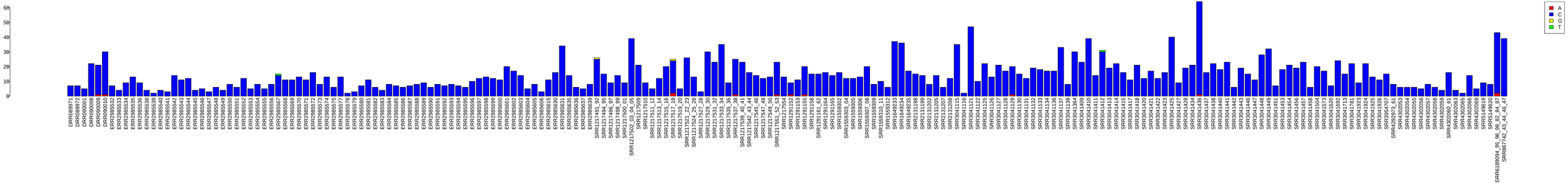
./27639046.E2position



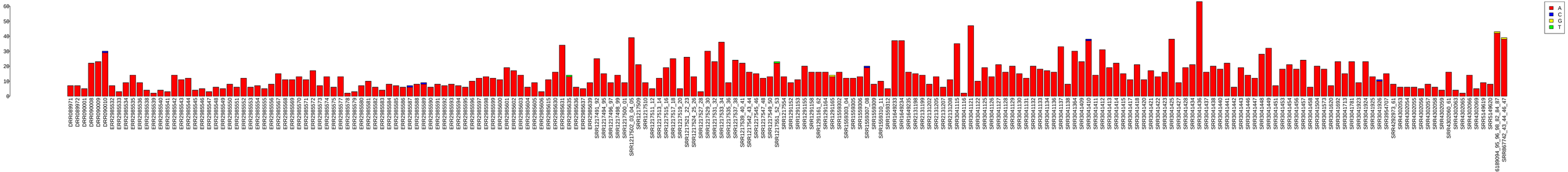
./27639047.E2position



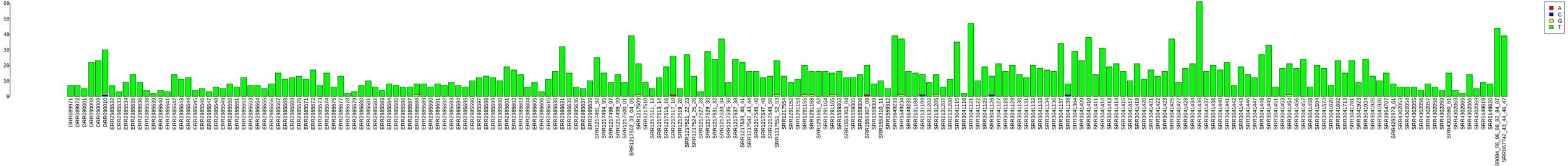
./27639048.E2position

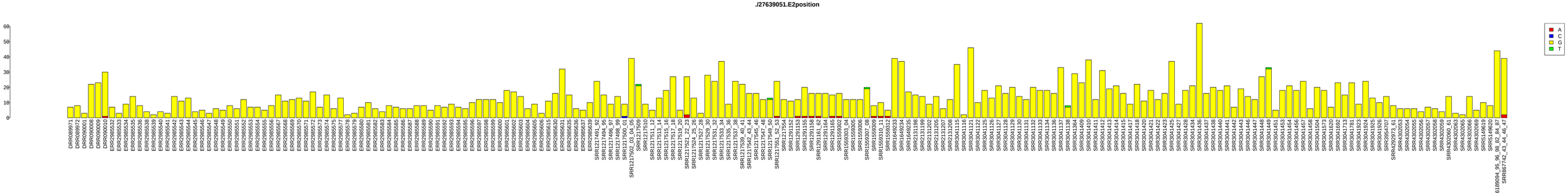


./27639049.E2position

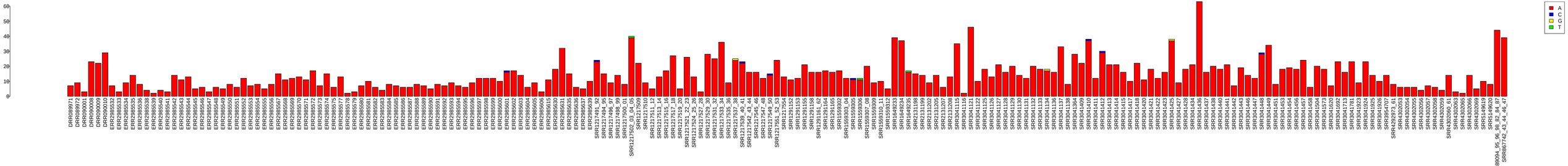


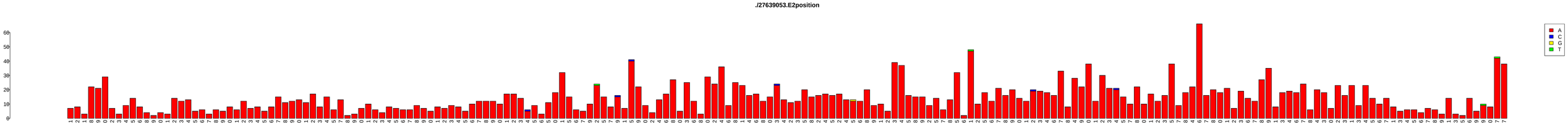
./27639050.E2position



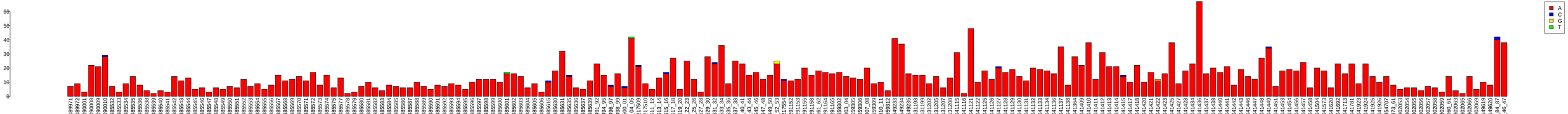

./27639051.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_61
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27639052.E2position

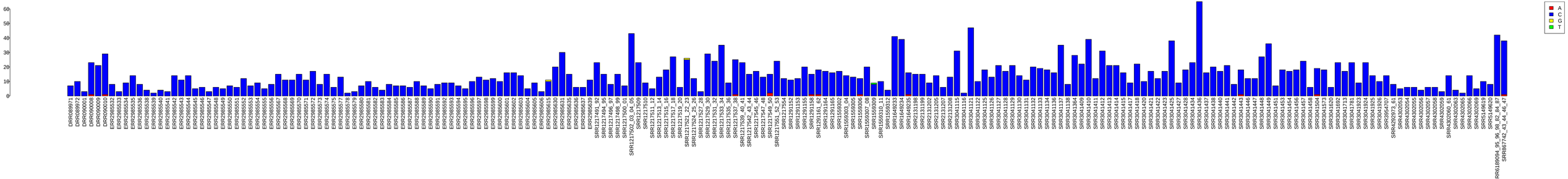



./27639053.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291163
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR5140619
SRR5140620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

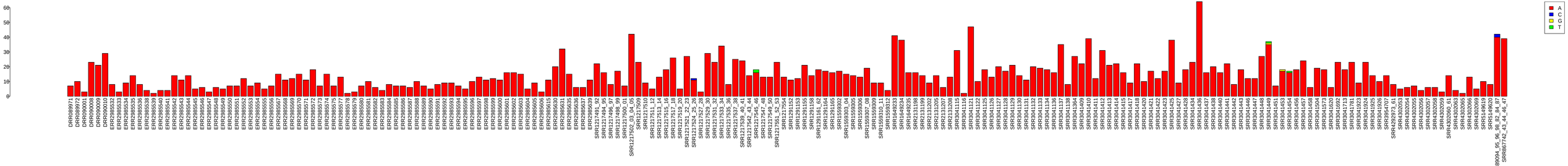
./27639054.E2position



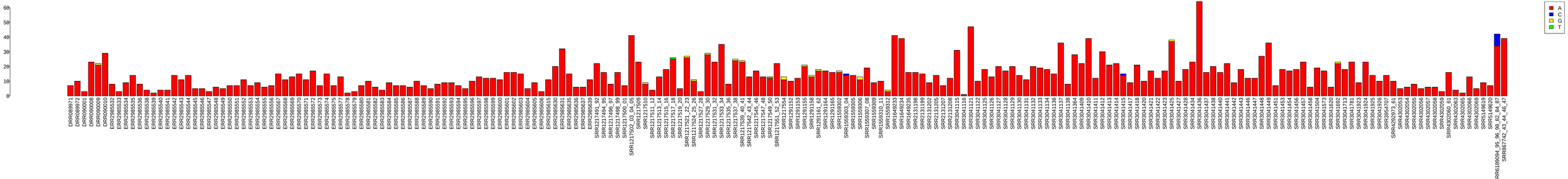
./27639055.E2position

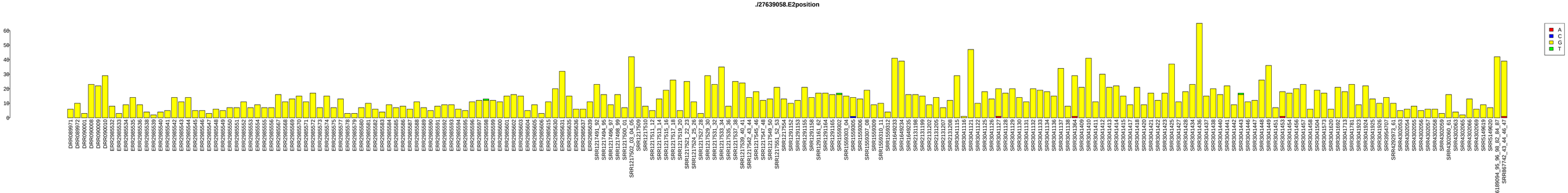


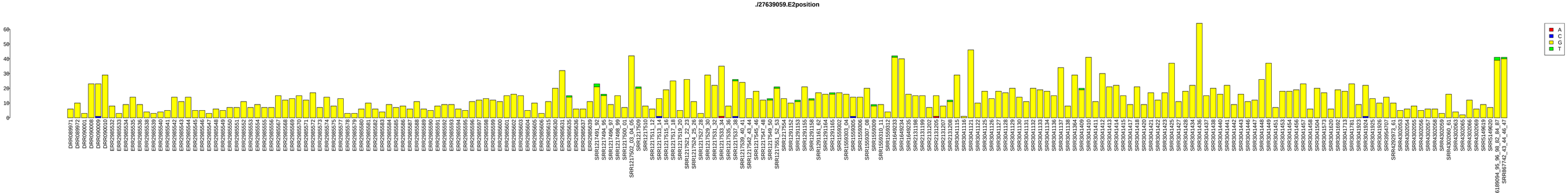
./27639056.E2position

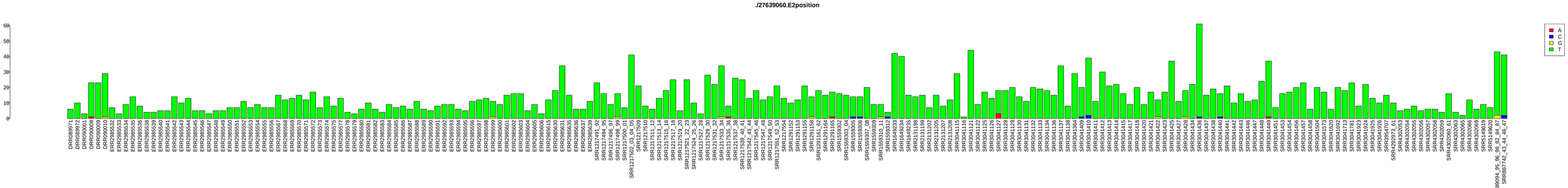


./27639057.E2position

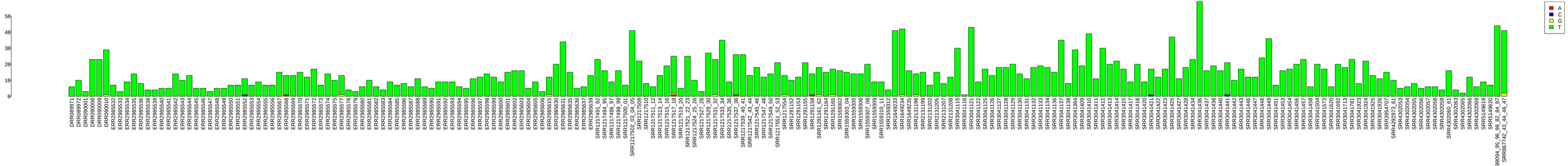


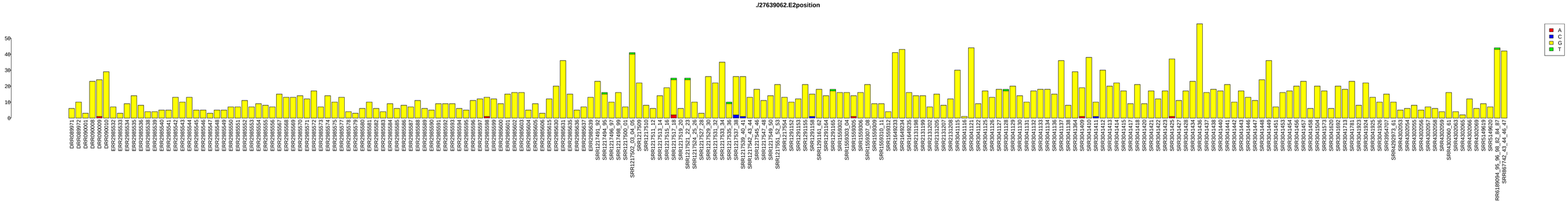

./27639058.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22
SRR1217523_24
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217155
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302063
SRR4302066
SRR5146615
SRR5146619
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

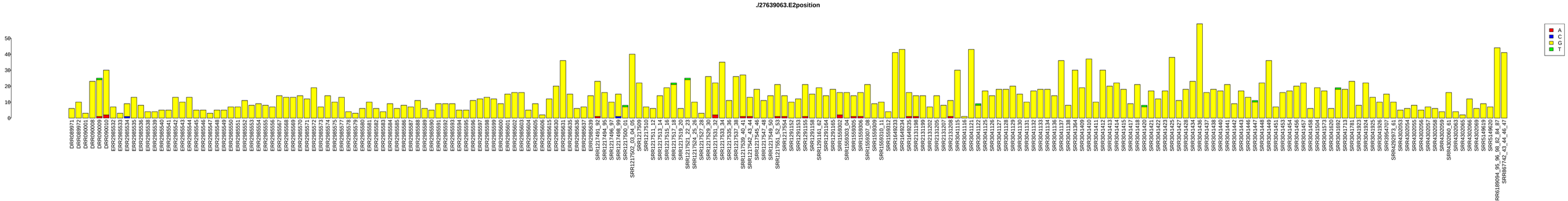

./27639059.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_14
SRR1217513_16
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217523_24_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1648235
SRR1648236
SRR2133198
SRR2133199
SRR2133200
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041118
SRR3041119
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302063
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

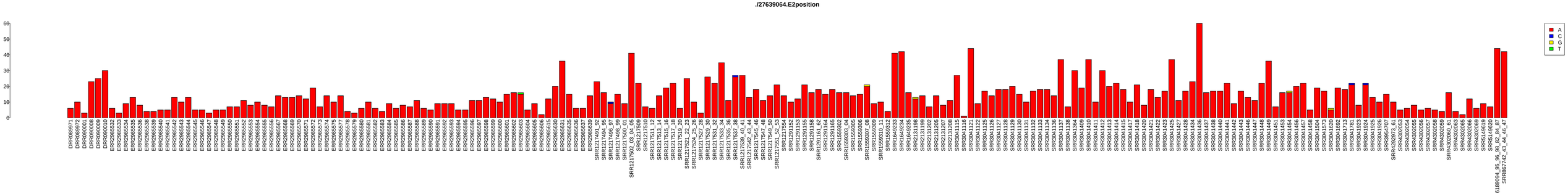

./27639060.E2position
A
C
G
T

./27639061.E2position

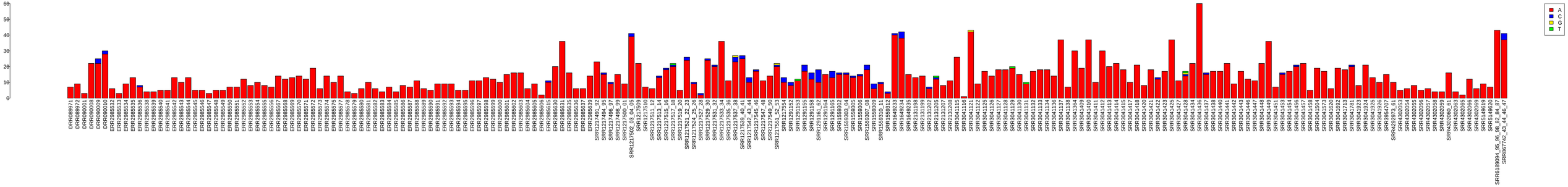



./27639062.E2position
A
C
G
T

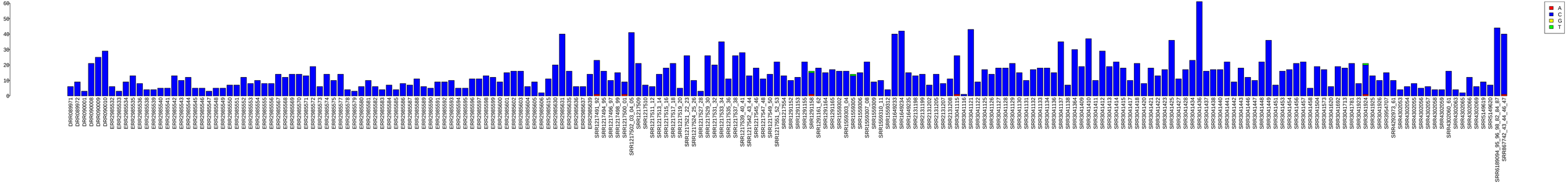

./27639063.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090032
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131188
SRR2131189
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302063
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27639064.E2position
A
C
G
T

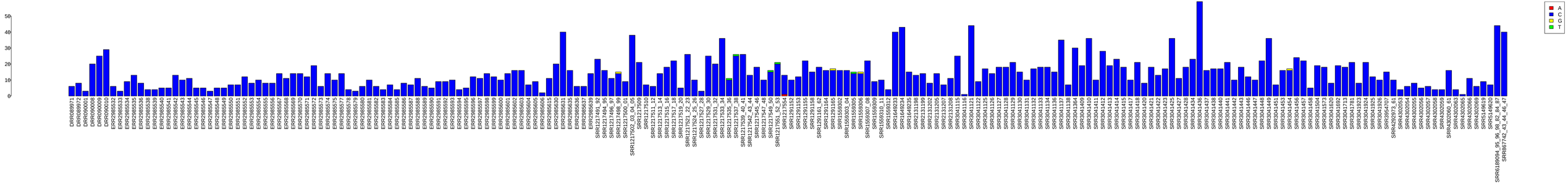
./27639065.E2position



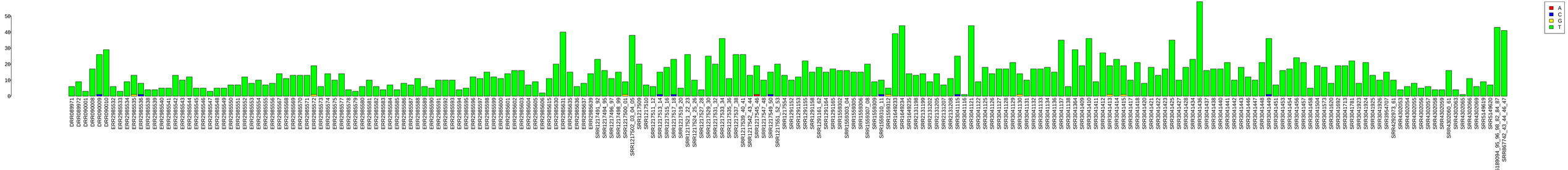
./27639066.E2position

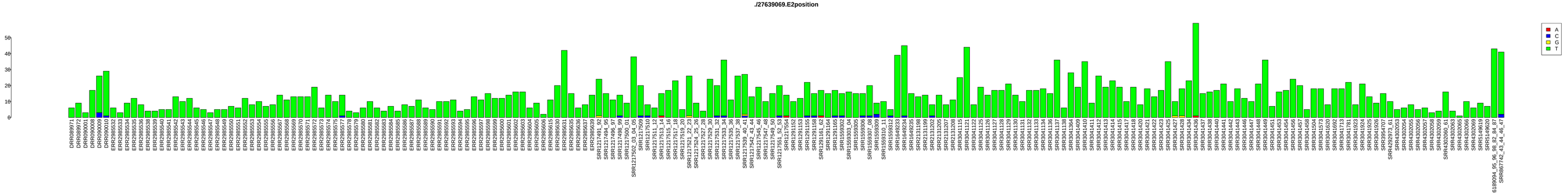


./27639067.E2position

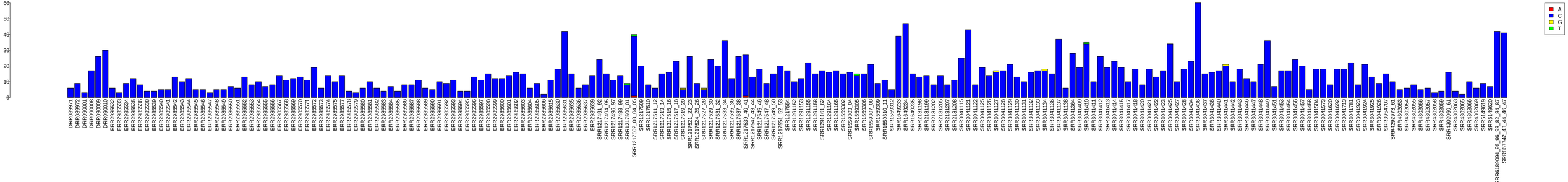


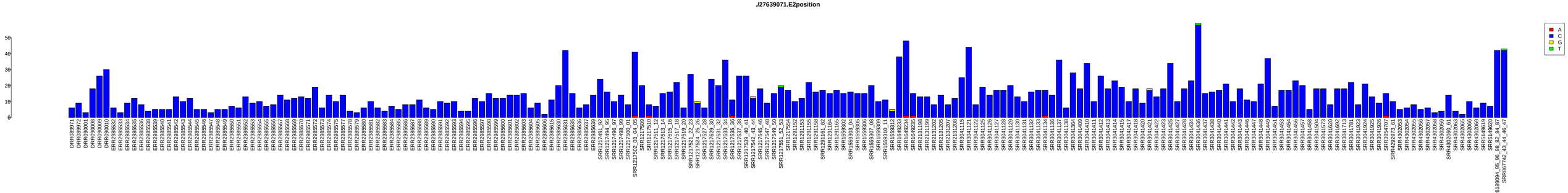
./27639068.E2position

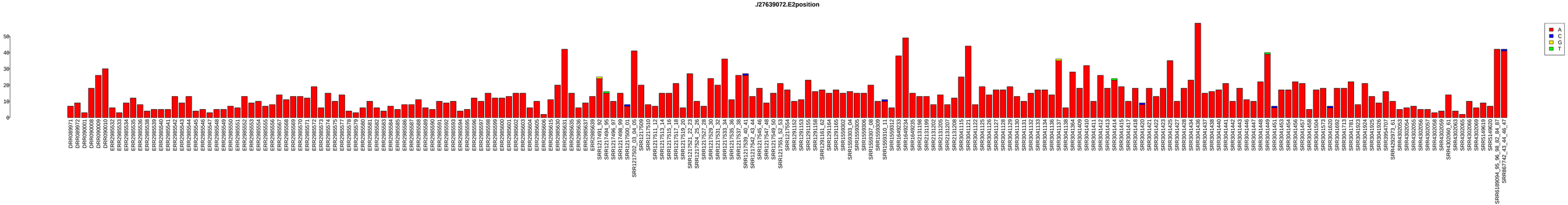



./27639069.E2position
50
40
30
20
10
0
A
C
G
T

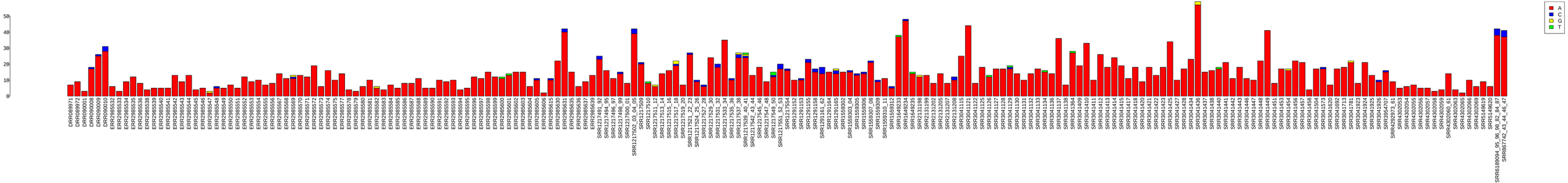
./27639070.E2position



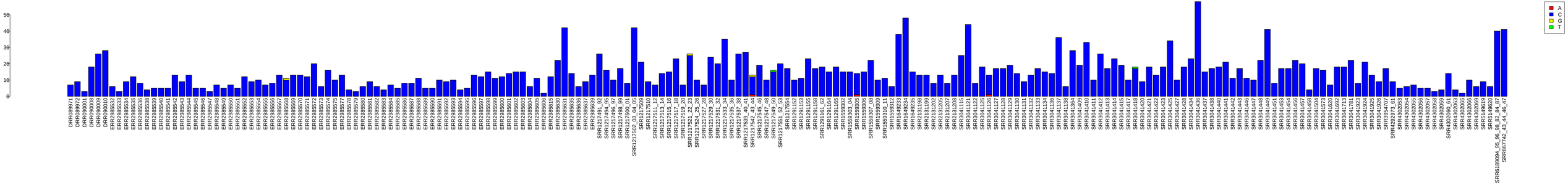

./27639071.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985537
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985560
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985634
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_1_76
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217548_49
SRR1217549_50
SRR1217552_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041111
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041445
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041460
SRR3041504
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_01
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877423_43_44_46_47


./27639072.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985633
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217498_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_7405
SRR1217505_06
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291159
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539312
SRR1648233
SRR1648234
SRR1648235
SRR1648236
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041111
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041445
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041456
SRR3041457
SRR3041540
SRR3041544
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

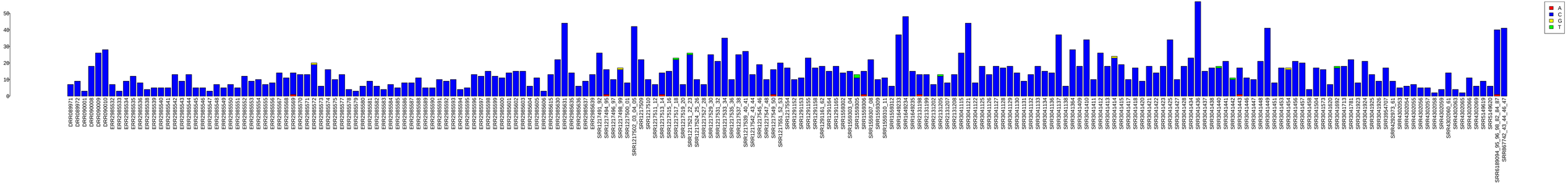
./27639073.E2position



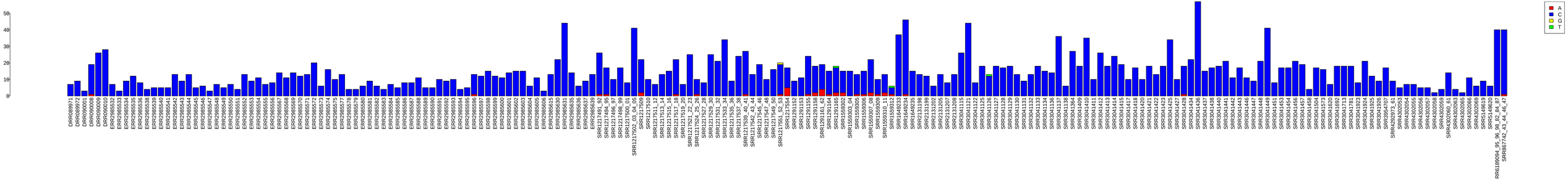
./27639074.E2position

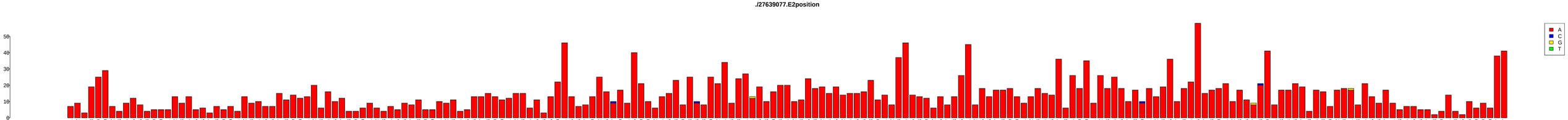


./27639075.E2position

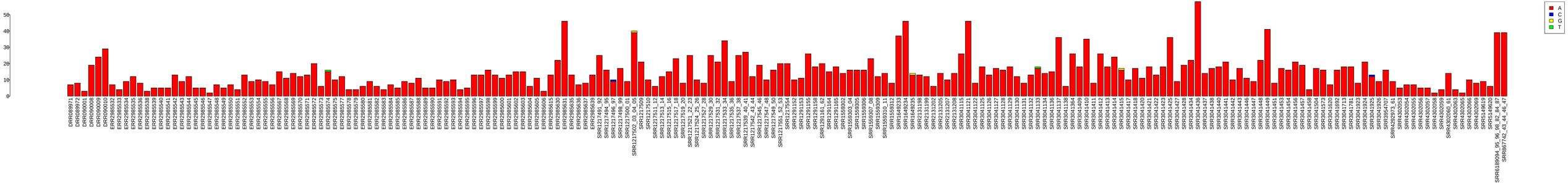


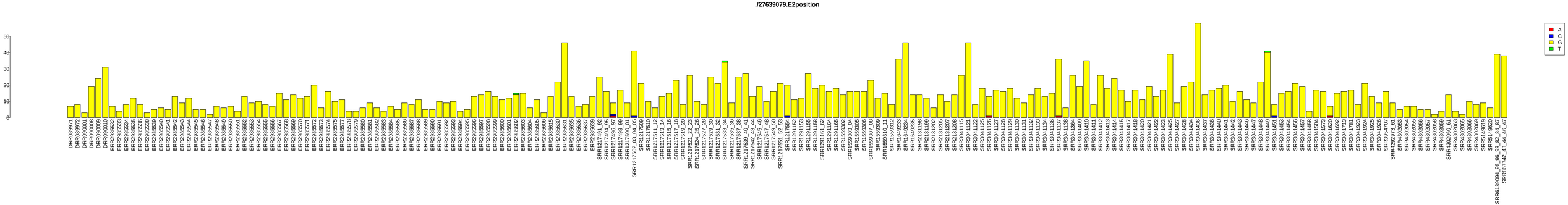
./27639076.E2position



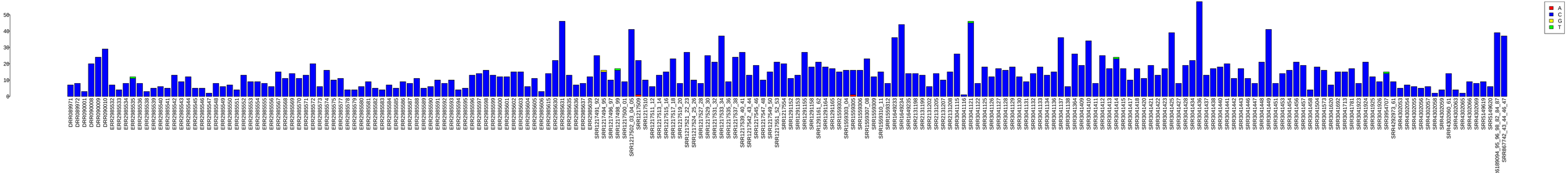

./27639077.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985559
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985639
SRR1217494_95
SRR1217494_96
SRR1217496_97
SRR1217496_99
SRR1217500_01
SRR1217502_03_7405
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291161
SRR1291161_62
SRR1291164
SRR1291165
SRR1539302
SRR1539304
SRR1539305
SRR1539306
SRR1539307_08
SRR1539309
SRR1539310
SRR1539311
SRR1539312
SRR1648233
SRR1648234
SRR1648235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041111
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041384
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041445
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041456
SRR3041457
SRR3041458
SRR3041540
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041731
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3041927
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27639078.E2position

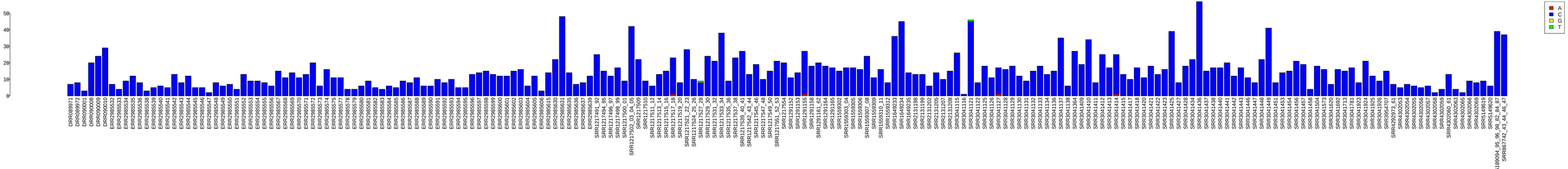


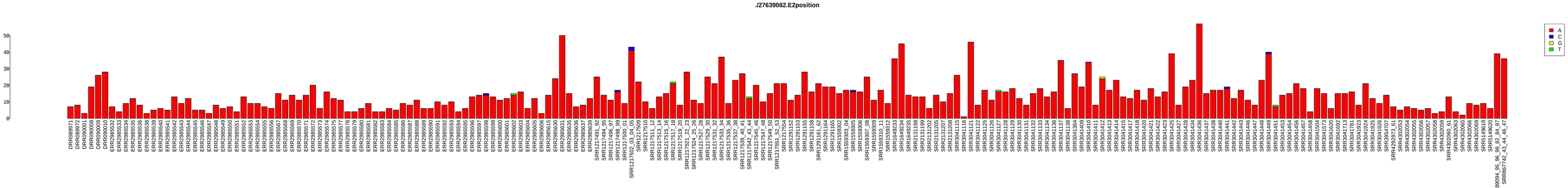

./27639079.E2position
A
C
G
T

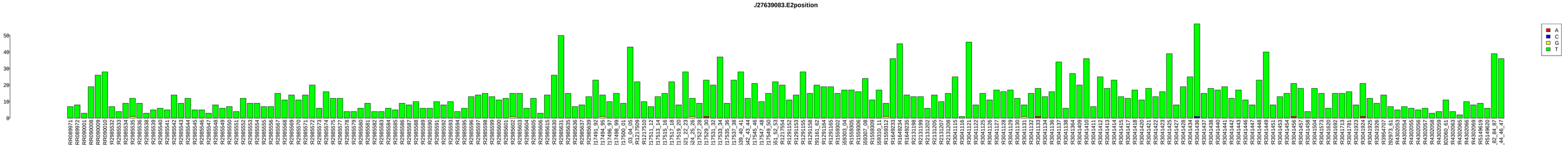
./27639080.E2position

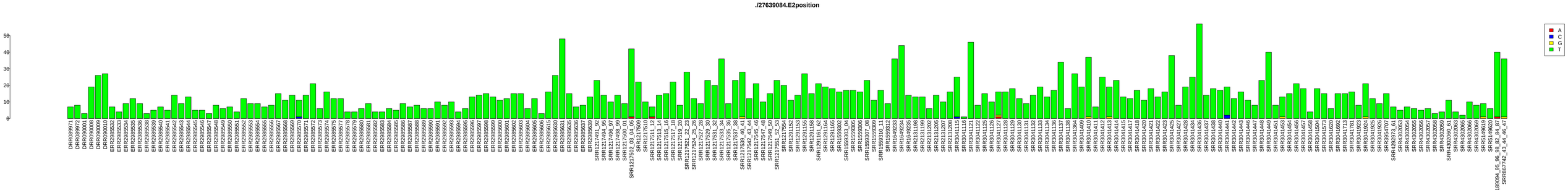


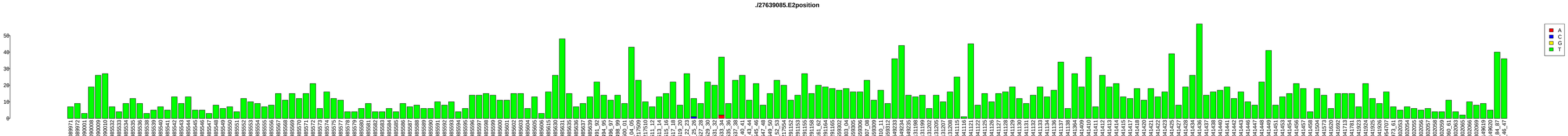
./27639081.E2position



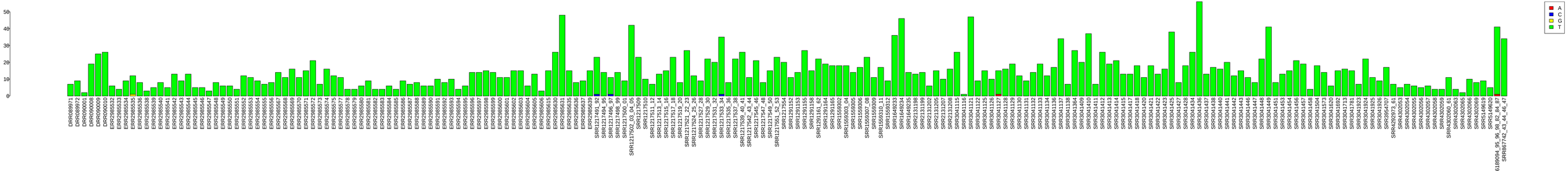

./27639082.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090012
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27639083.E2position
A
C
G
T
0
10
20
30
40
50
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217495_96
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648232
SRR1648234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041429
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041455
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302063
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

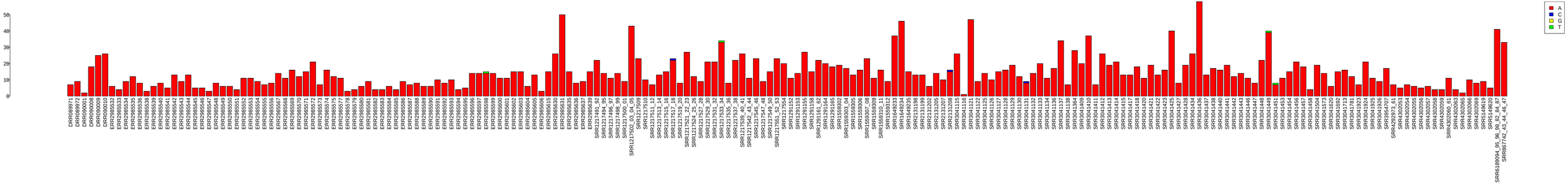

./27639084.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

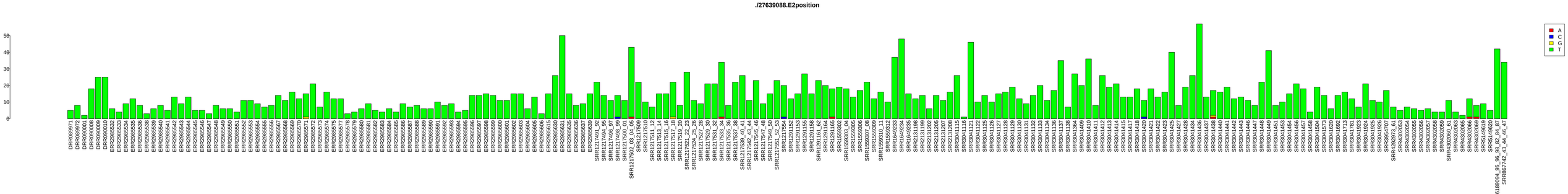

./27639085.E2position
0
10
20
30
40
50
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6742_43_44_46_47
A
C
G
T

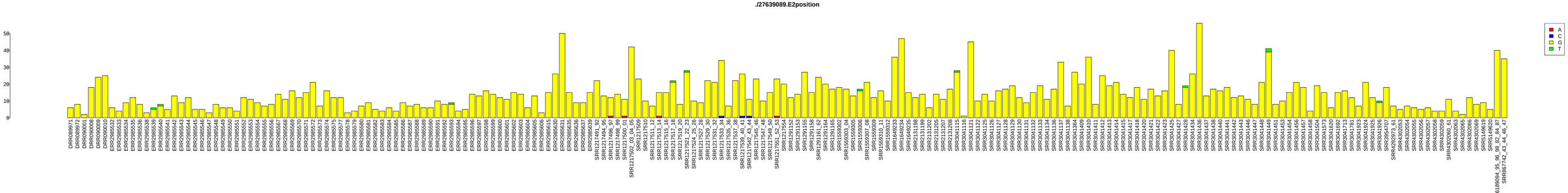
./27639086.E2position

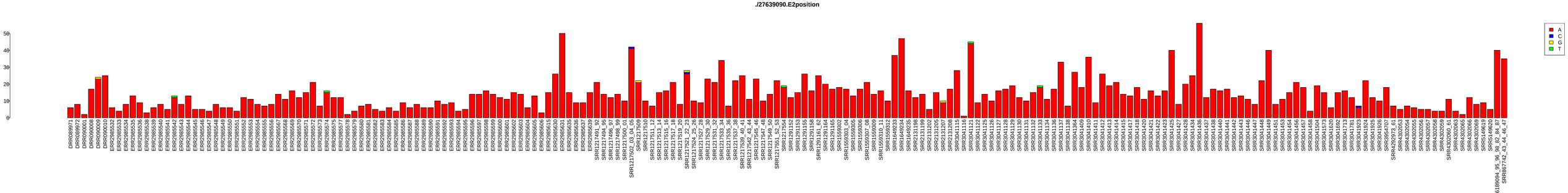


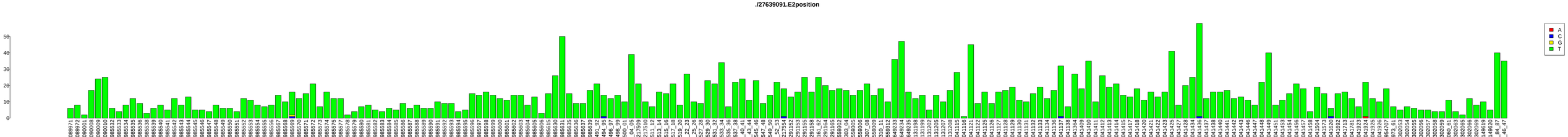
./27639087.E2position



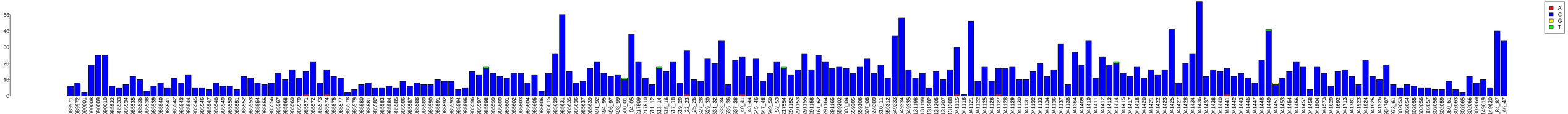

./27639088.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6742_43_44_46_47


./27639089.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985536
ERR2985537
ERR2985538
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_14
SRR1217513_16
SRR1217515_18
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217522_23
SRR1217523_23
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217155
SRR1217158
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

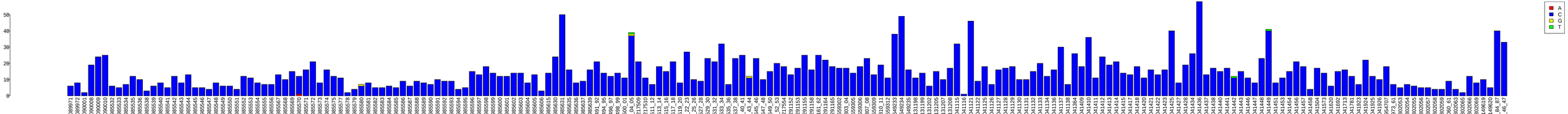

./27639090.E2position
A
C
G
T


./27639091.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217495_96
SRR1217496_97
SRR1217500_99
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648232
SRR1648234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

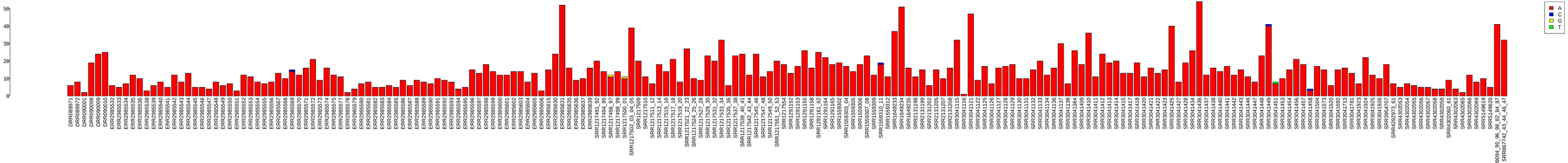
./27639092.E2position



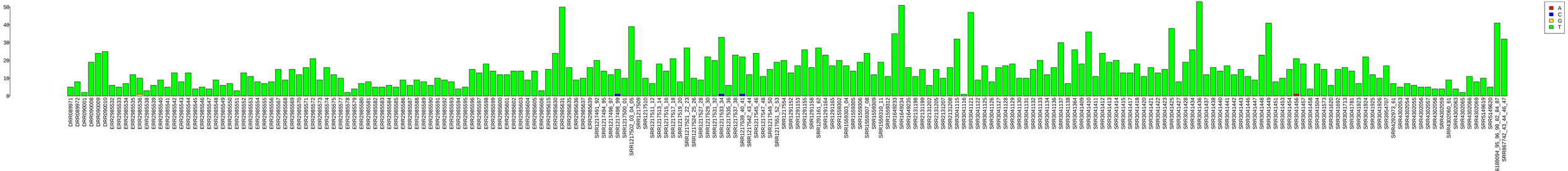
./27639093.E2position

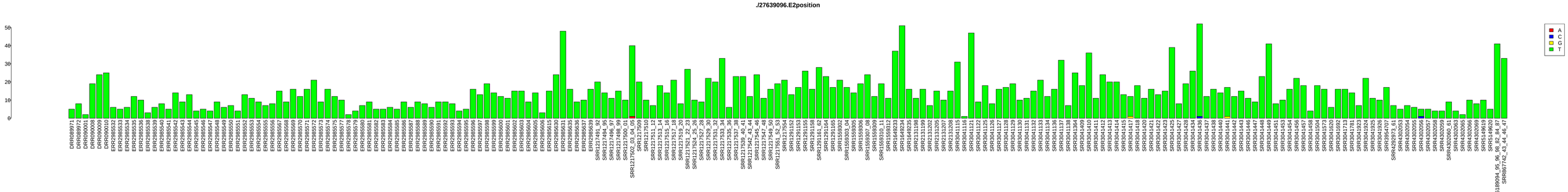


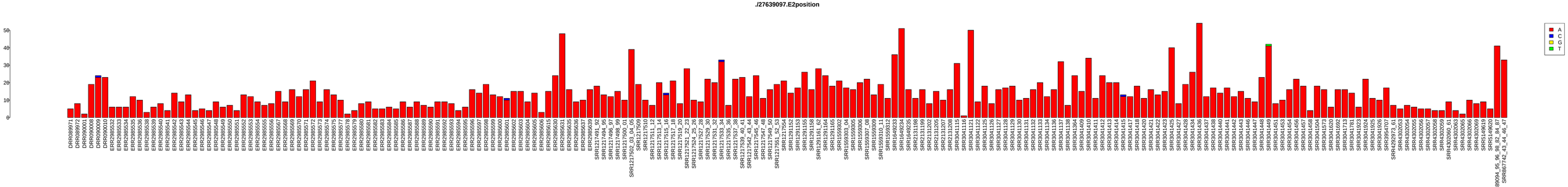
./27639094.E2position



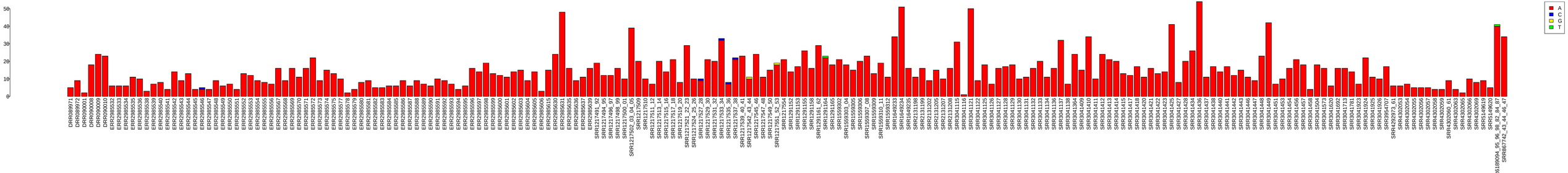
./27639095.E2position

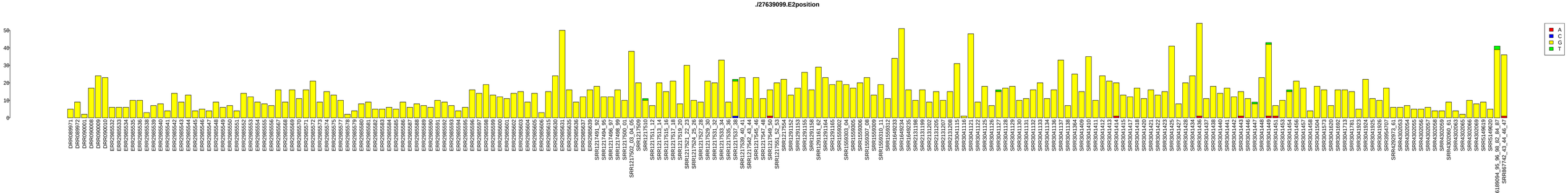


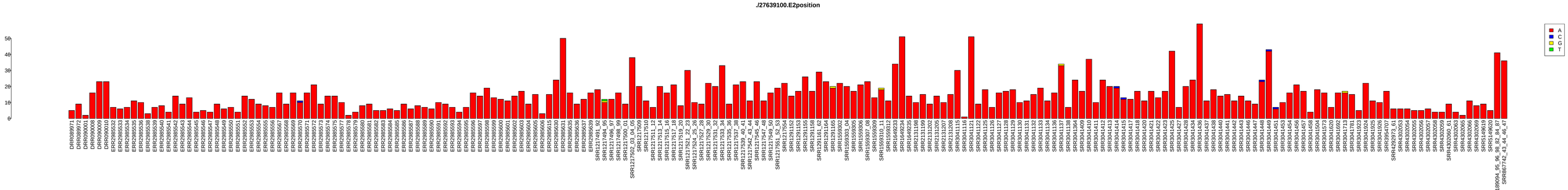

./27639096.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090061
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042007
SRR4282973_81
SRR4302053
SRR4302054
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR8677424_43_44_46_47

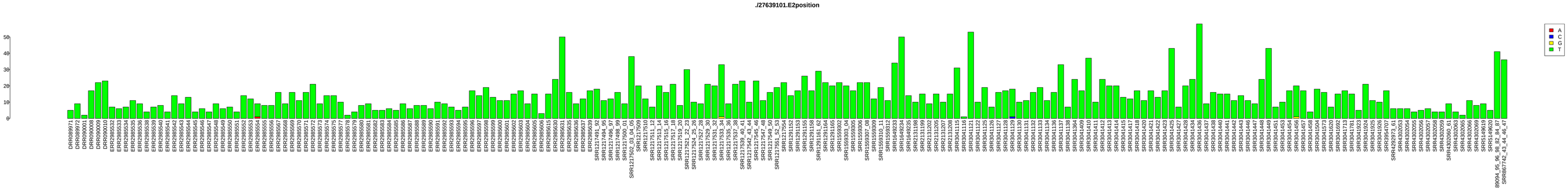

./27639097.E2position
A
C
G
T

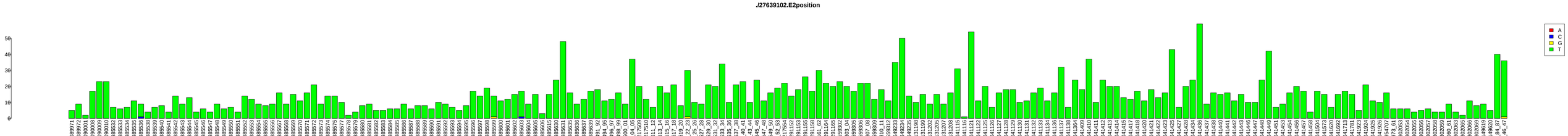
./27639098.E2position

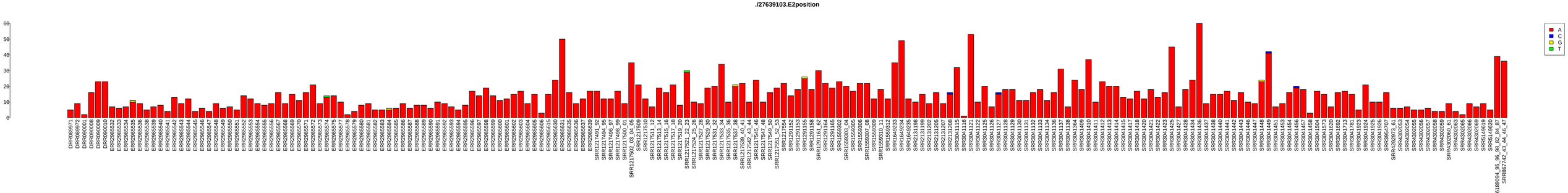



./27639099.E2position
A
C
G
T

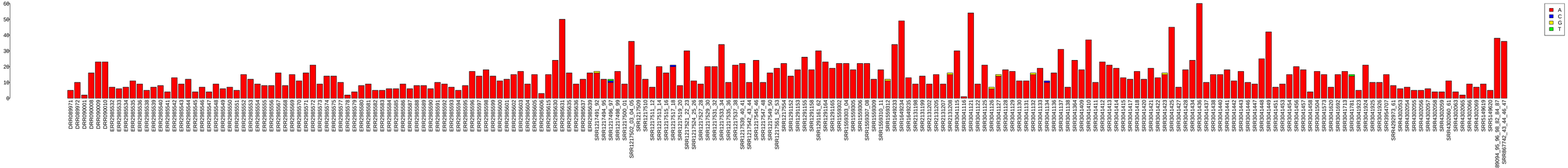

./27639100.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217494_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27639101.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217528_30
SRR1217531_34
SRR1217533_35
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_10
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

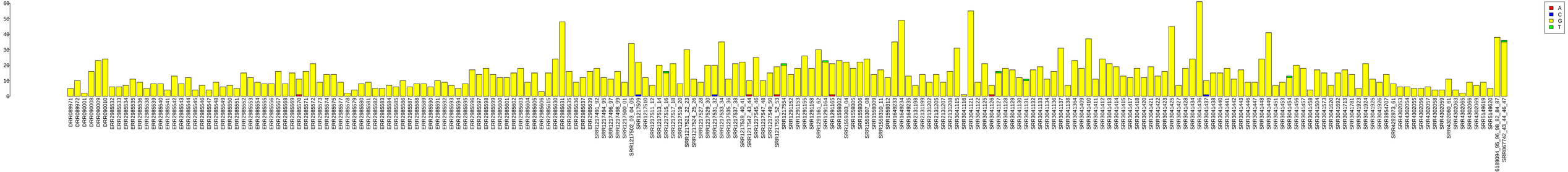

./27639102.E2position
0
10
20
30
40
50
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985567
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47
A
C
G
T

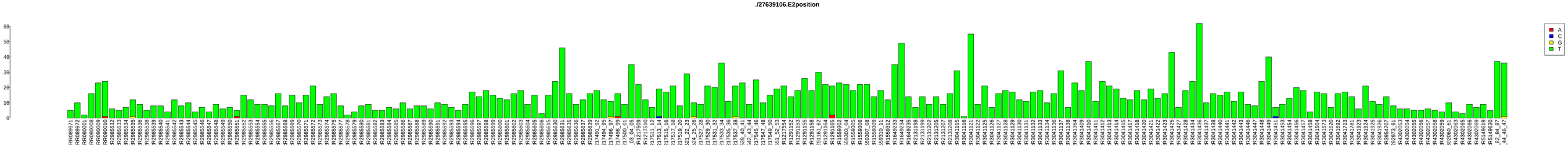

./27639103.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217516_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291154
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR3042027
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27639104.E2position

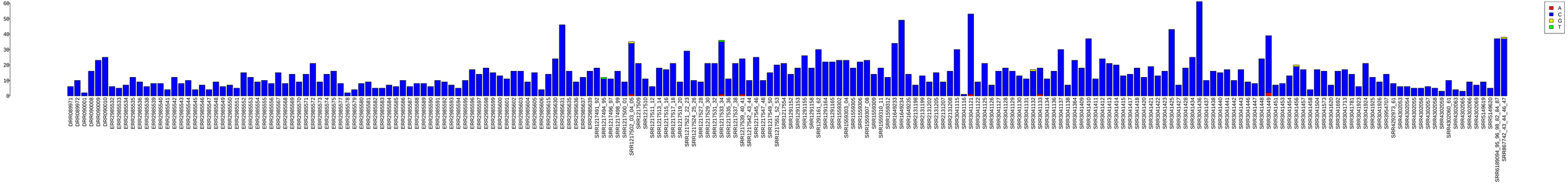


./27639105.E2position

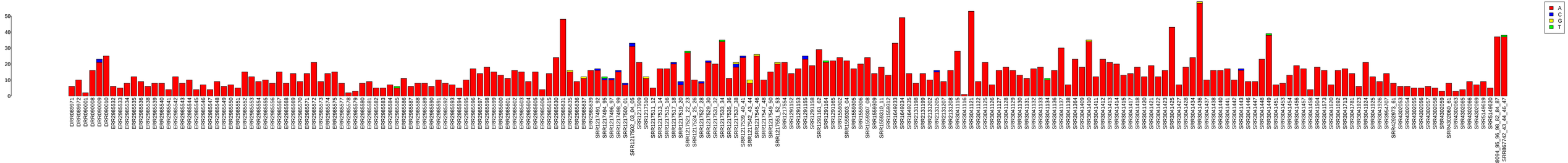



./27639106.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282971_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

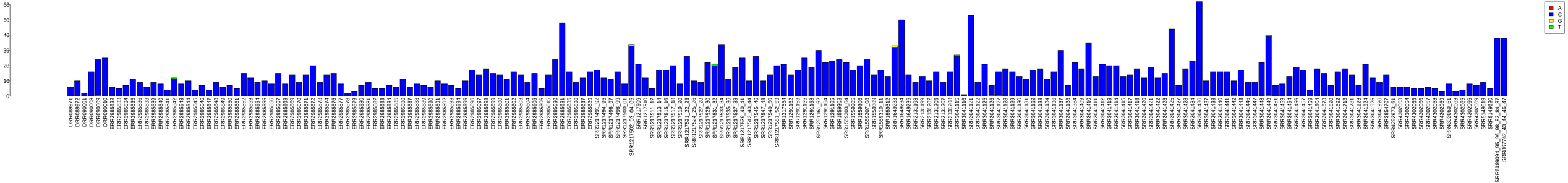
./27639107.E2position

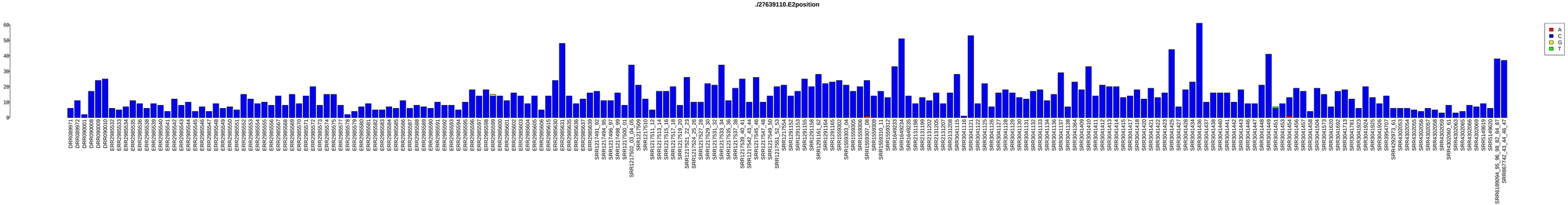


./27639108.E2position

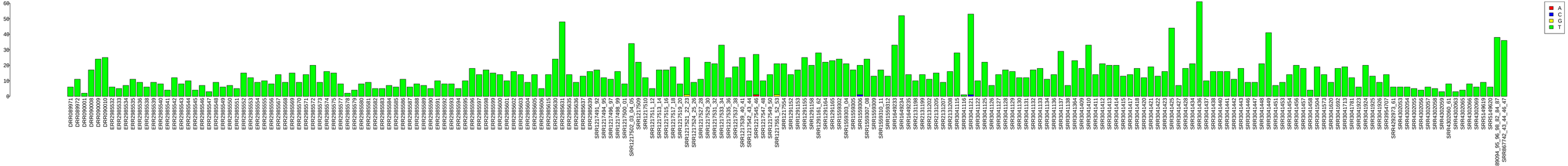


./27639109.E2position

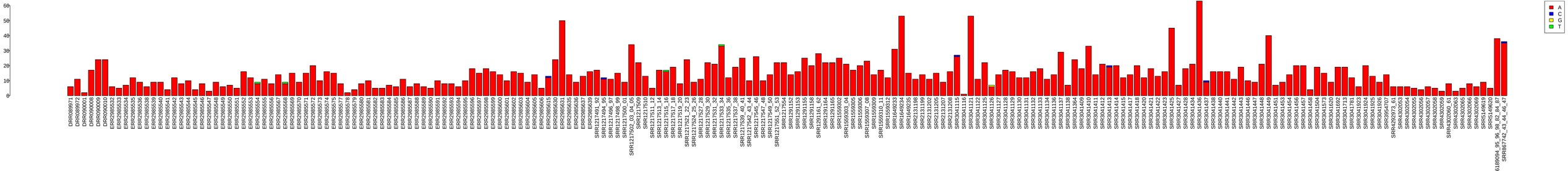


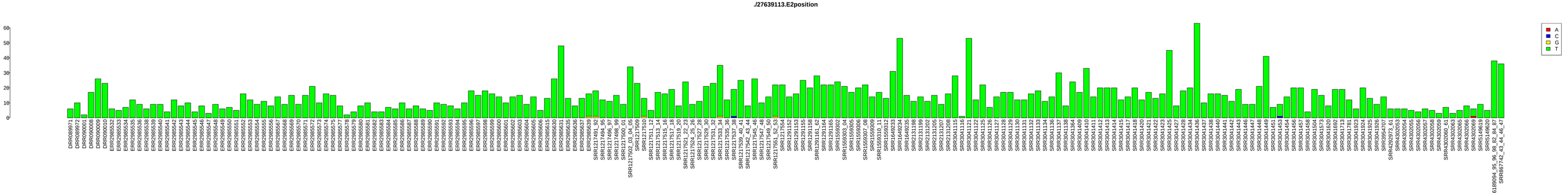

./27639110.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041455
SRR3041456
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

./27639111.E2position

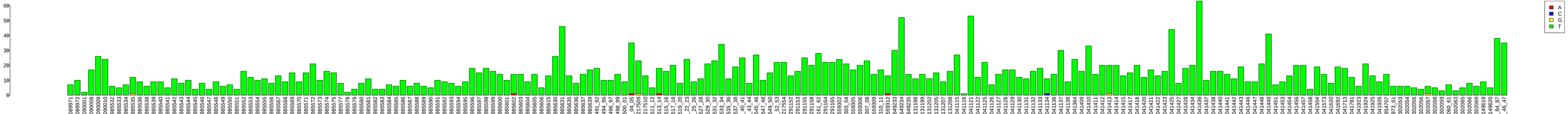


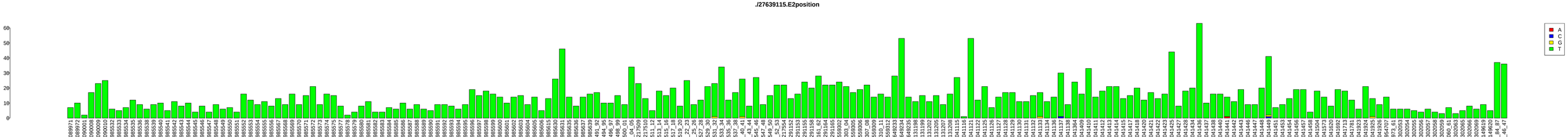
./27639112.E2position



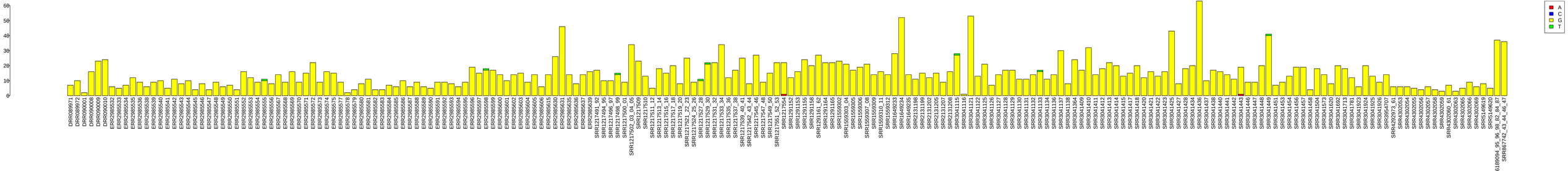

./27639113.E2position
A
C
G
T

./27639114.E2position

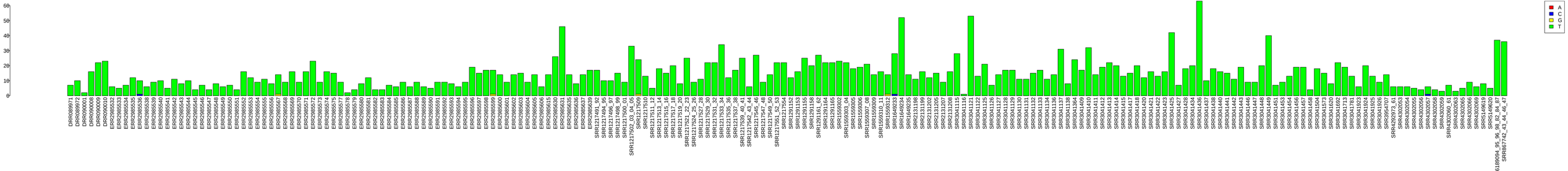



./27639115.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217153
SRR1217155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648232
SRR1648234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041455
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302065
SRR4302066
SRR4302067
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

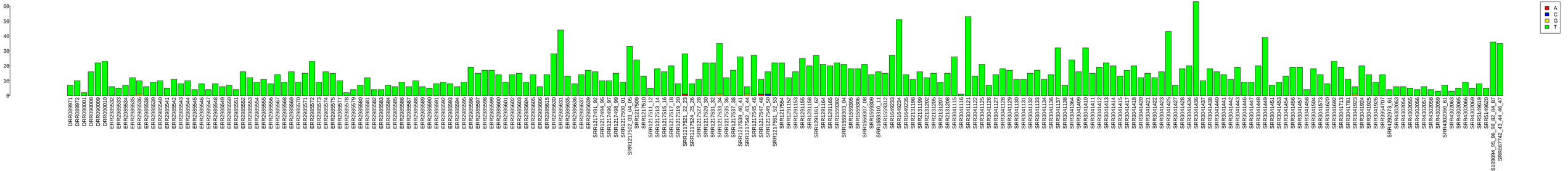
./27639116.E2position

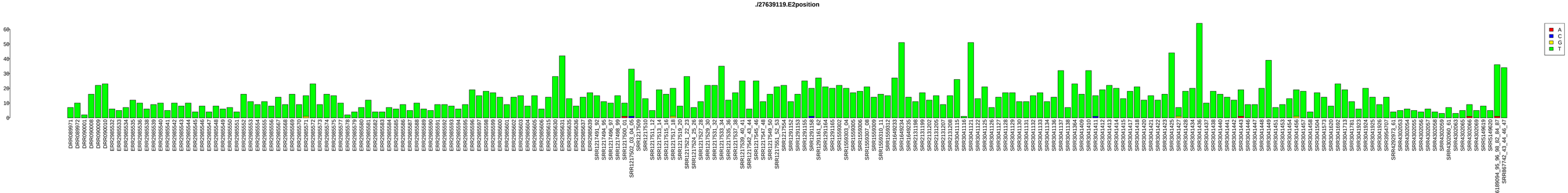

60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172492_92
SRR12172494_95
SRR12172496_99
SRR12172500_100
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25_26
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172155
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172166
SRR12172168
SRR12172170
SRR12172172
SRR12172174
SRR12172176
SRR12172178
SRR12172180
SRR12172182
SRR12172184
SRR12172186
SRR12172188
SRR12172190
SRR12172192
SRR12172194
SRR12172196
SRR12172198
SRR12172200
SRR12172202
SRR12172204
SRR12172206
SRR12172208
SRR12172210
SRR12172212
SRR12172214
SRR12172216
SRR12172218
SRR12172220
SRR12172222
SRR12172224
SRR12172226
SRR12172228
SRR12172230
SRR12172232
SRR12172234
SRR12172236
SRR12172238
SRR12172240
SRR12172242

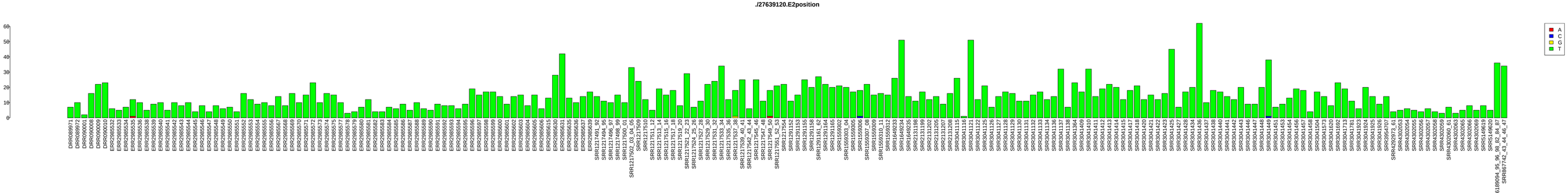
./27639117.E2position



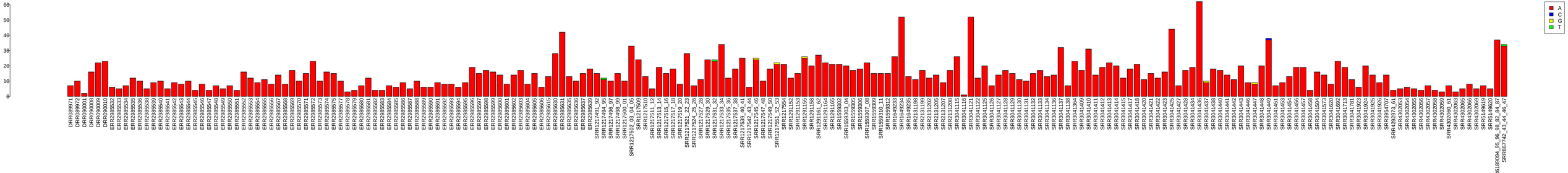
./27639118.E2position



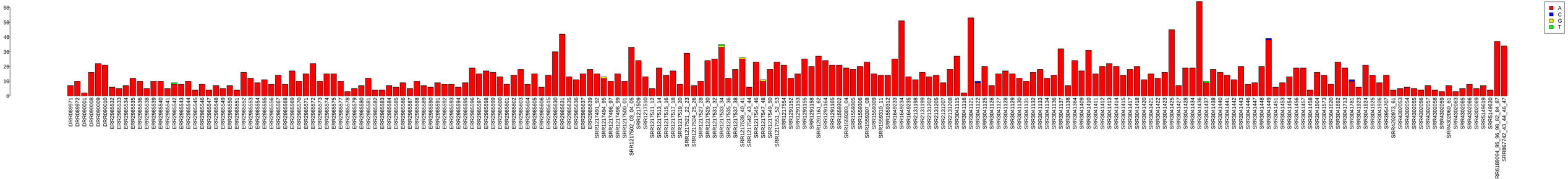

./27639119.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1649035
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27639120.E2position
A
C
G
T

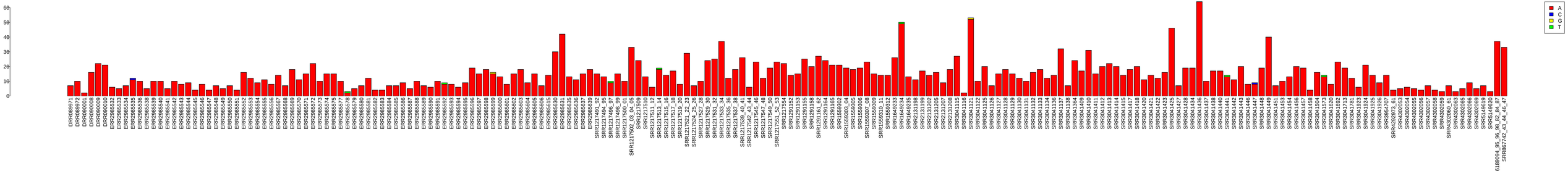
./27639121.E2position

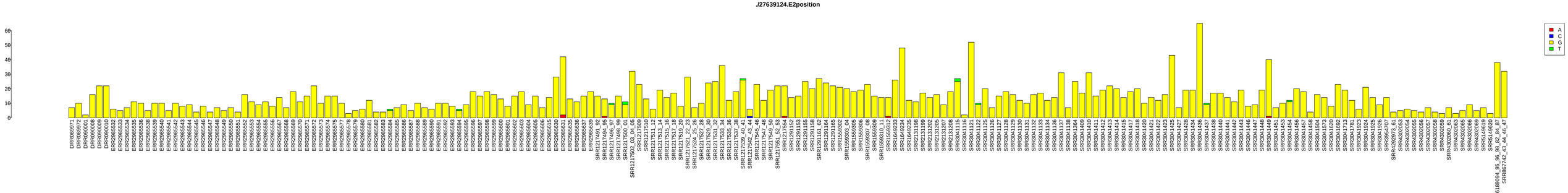


./27639122.E2position

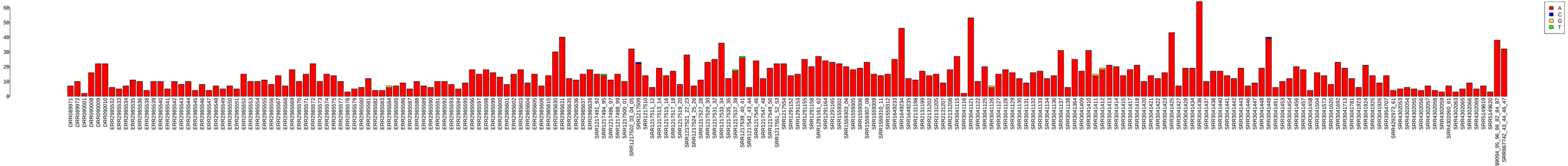


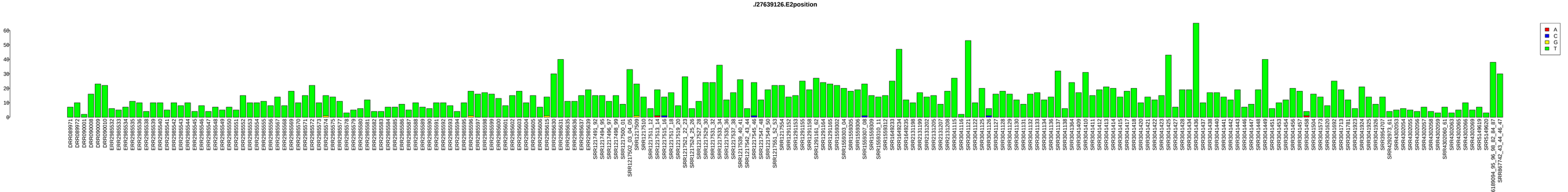
./27639123.E2position

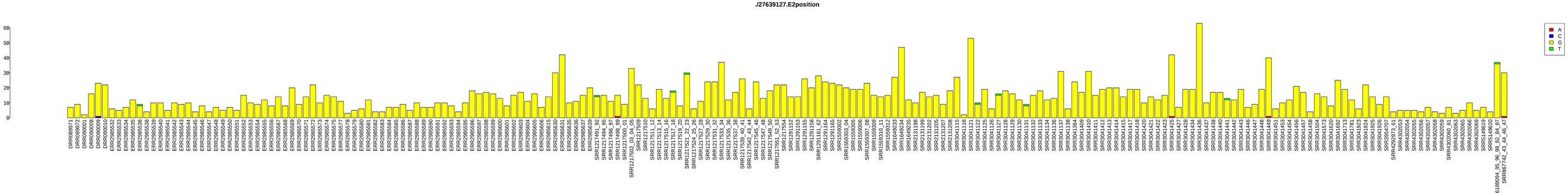


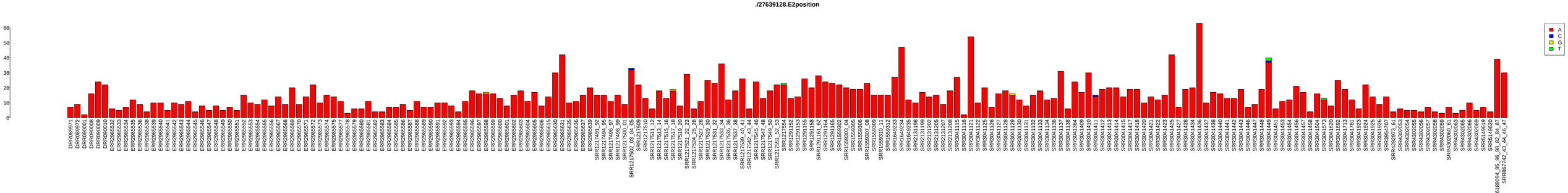

./27639124.E2position
0
10
20
30
40
50
60
A
C
G
T

./27639125.E2position

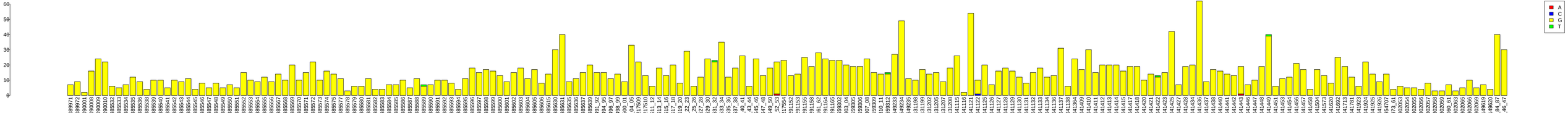


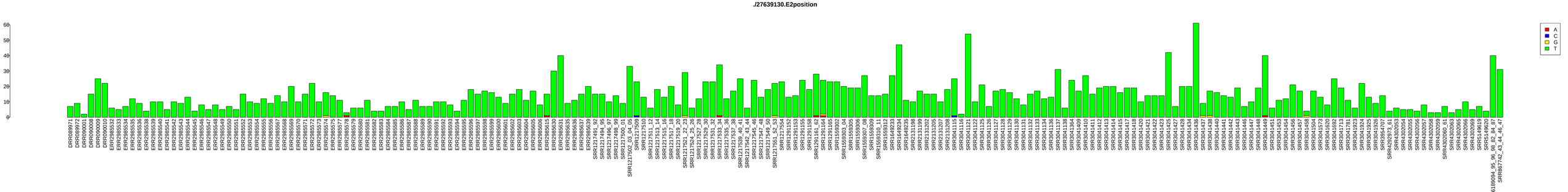

./27639126.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217511_14
SRR1217513_16
SRR1217515_18
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217523_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217544_46
SRR1217547_49
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1291166
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1646223
SRR1646224
SRR1646225
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

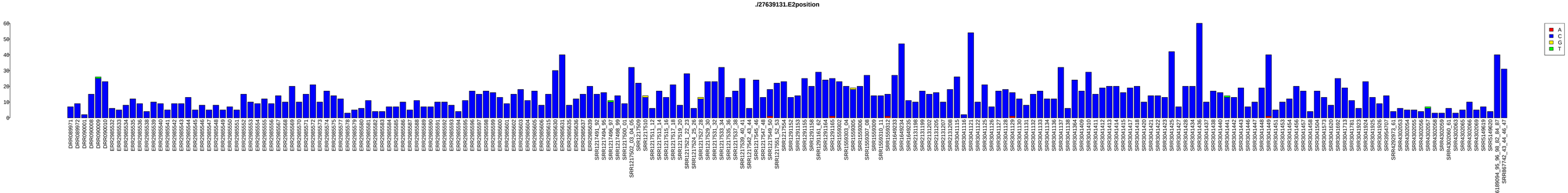

./27639127.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217494_97
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217532_33
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217152
SRR1217155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041445
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

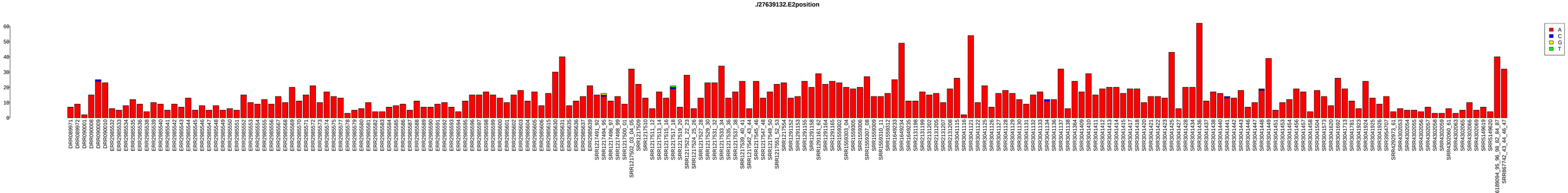

./27639128.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217516_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

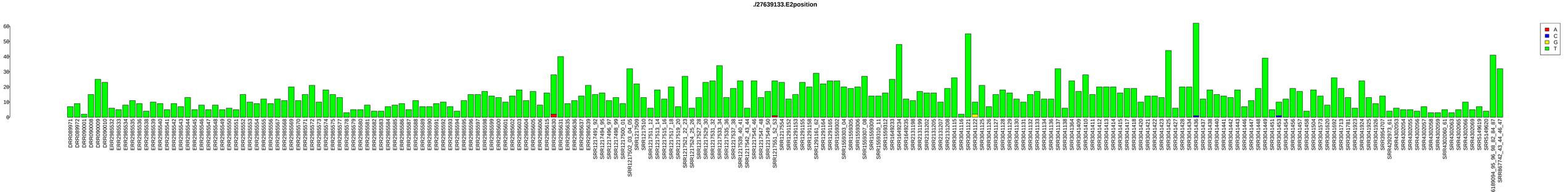
./27639129.E2position

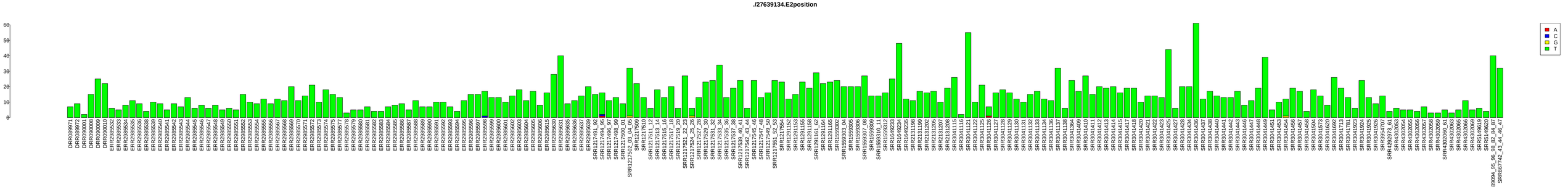


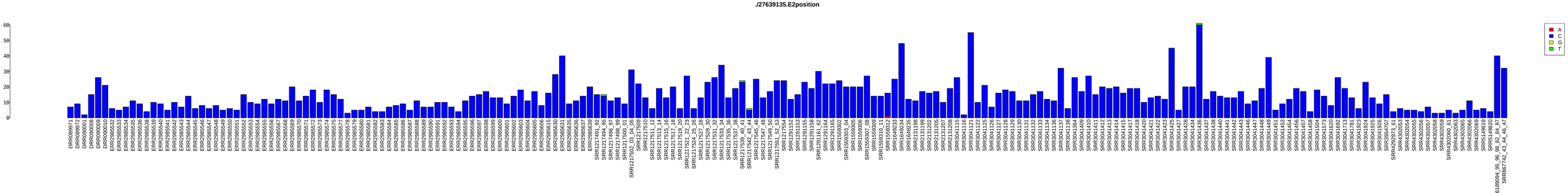

./27639130.E2position
A
C
G
T

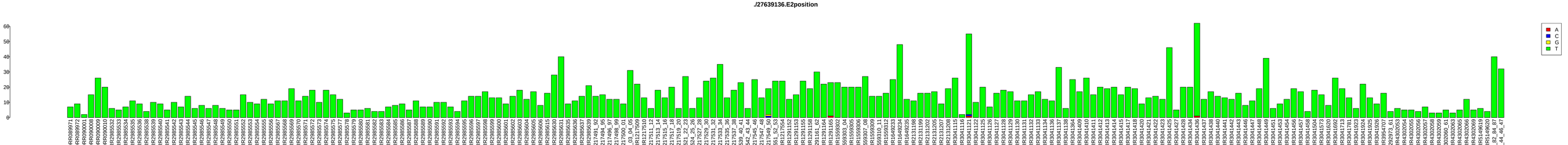

./27639131.E2position
A
C
G
T

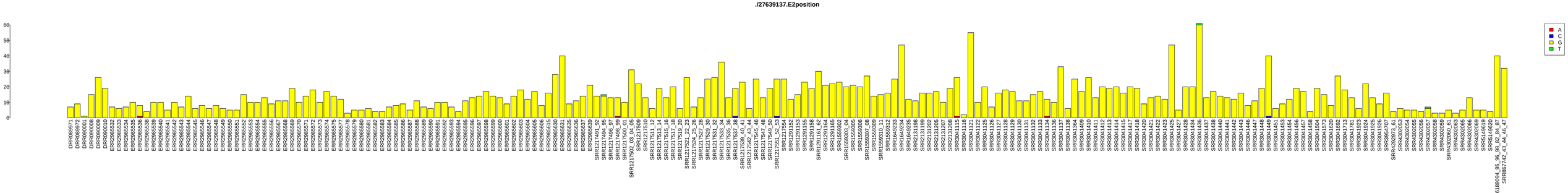

./27639132.E2position
A
C
G
T

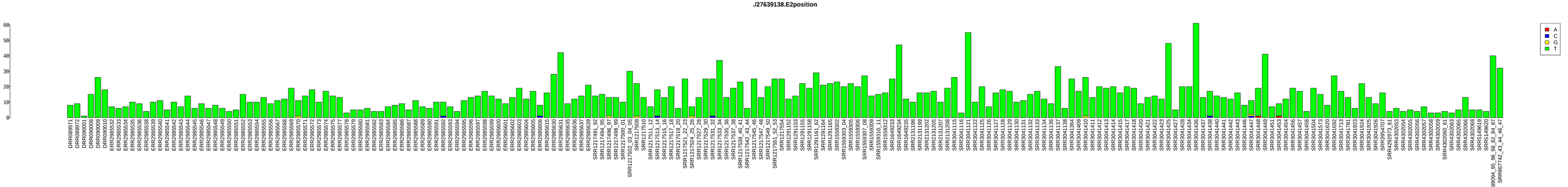

./27639133.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041118
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041444
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27639134.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133206
SRR2133207
SRR2133208
SRR3041115
SRR3041118
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

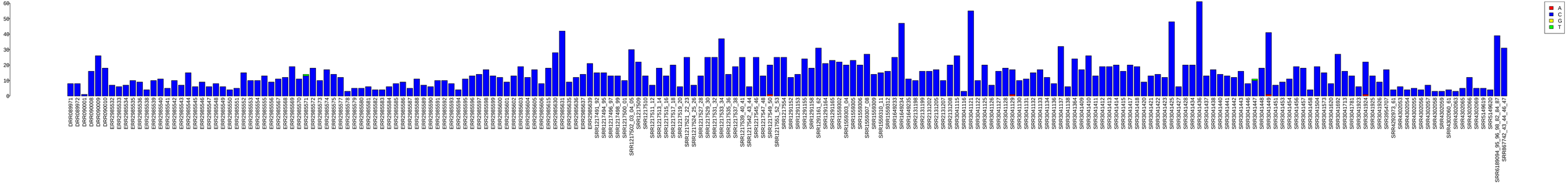

./27639135.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_32
SRR1217494_95
SRR1217496_97
SRR1217500_70
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

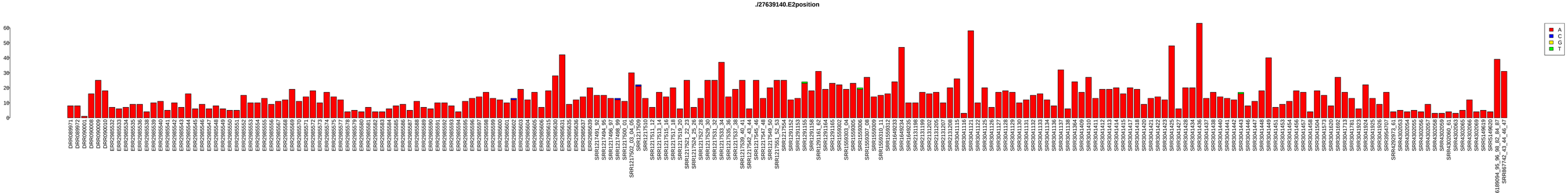

./27639136.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217528_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

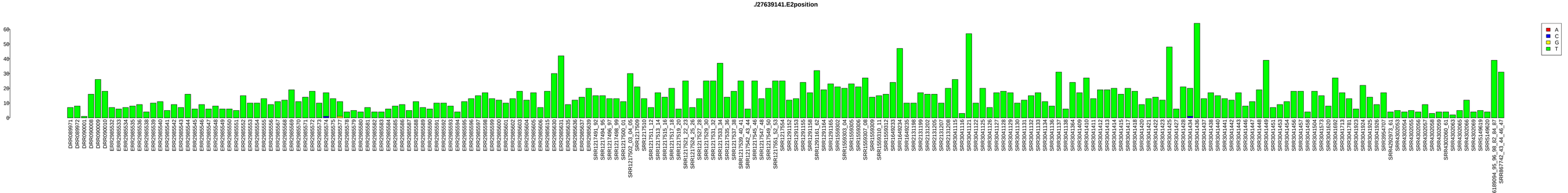

./27639137.E2position
A
C
G
T

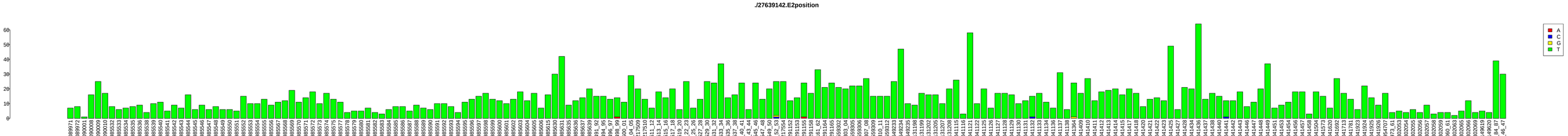

./27639138.E2position
A
C
G
T

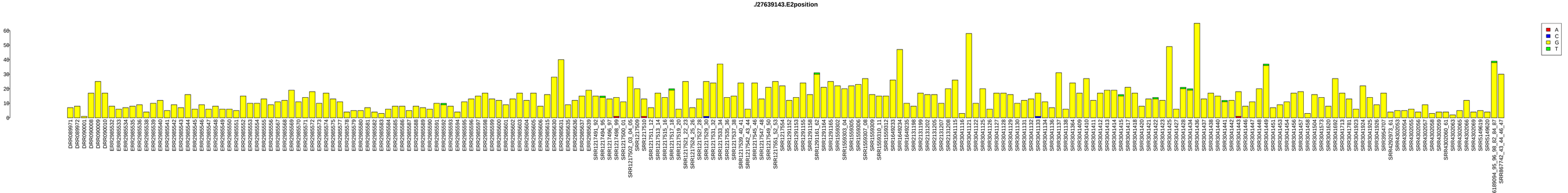
./27639139.E2position



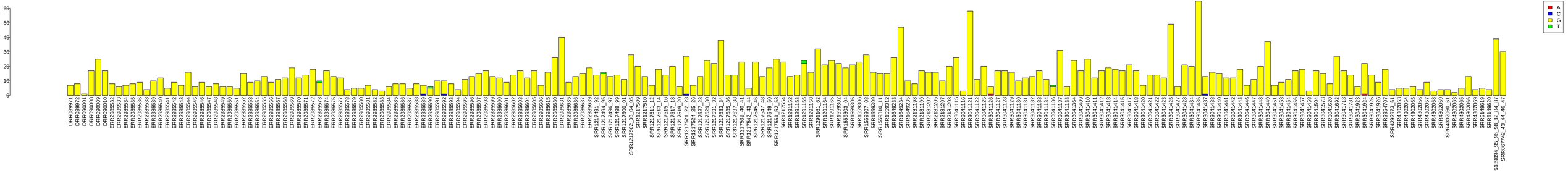

./27639140.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291154
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR6877 42_43_44_46_47

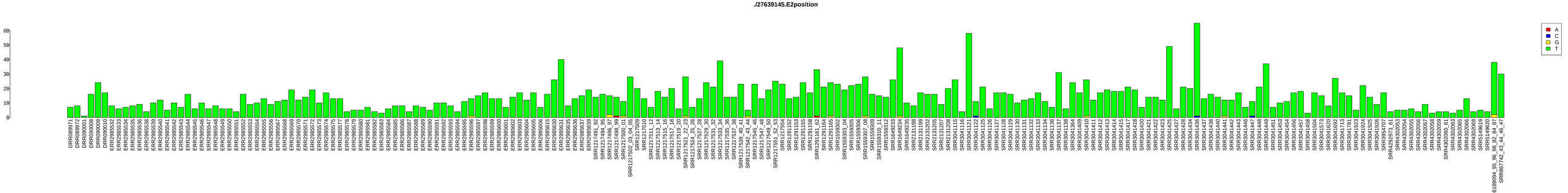

./27639141.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041426
SRR3041428
SRR3041431
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

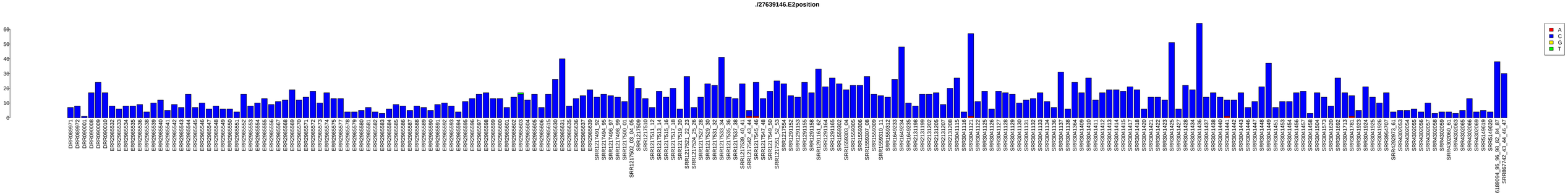

./27639142.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041561
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

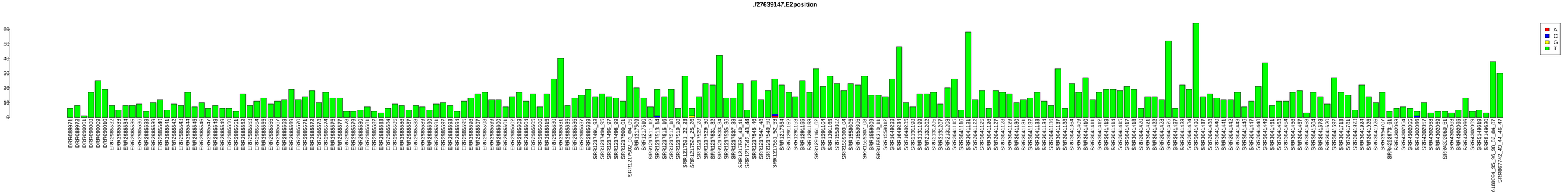

./27639143.E2position
A
C
G
T

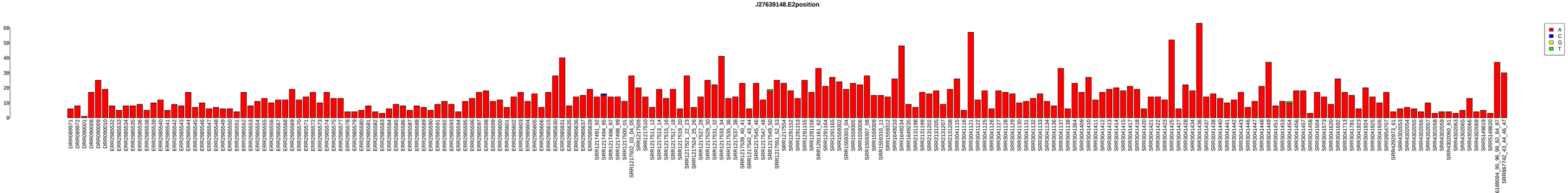
./27639144.E2position



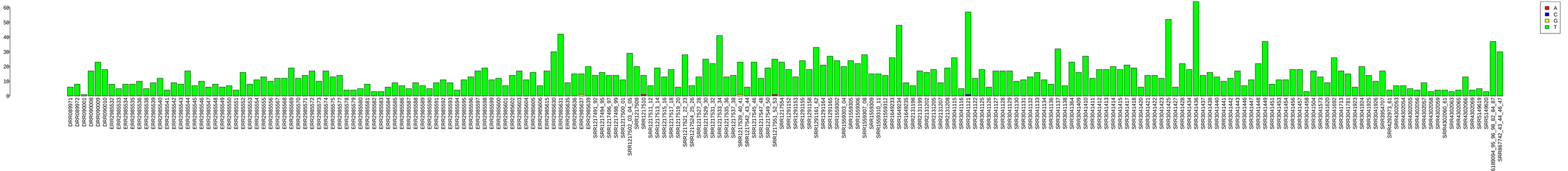

./27639145.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1648223
SRR1648224
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041455
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146613
SRR5146614
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27639146.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985606
ERR2985615
ERR2985616
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217501_02
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041426
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282927
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

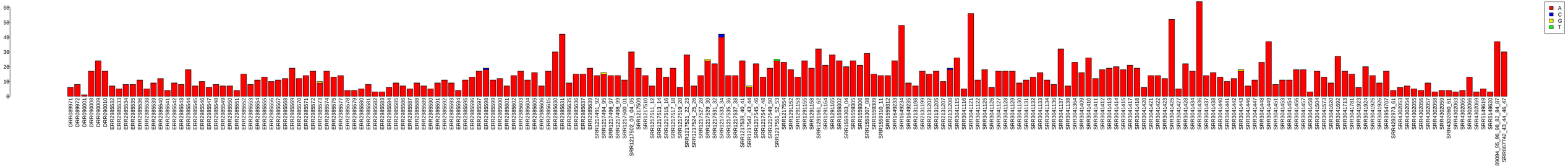

./27639147.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217499_00
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

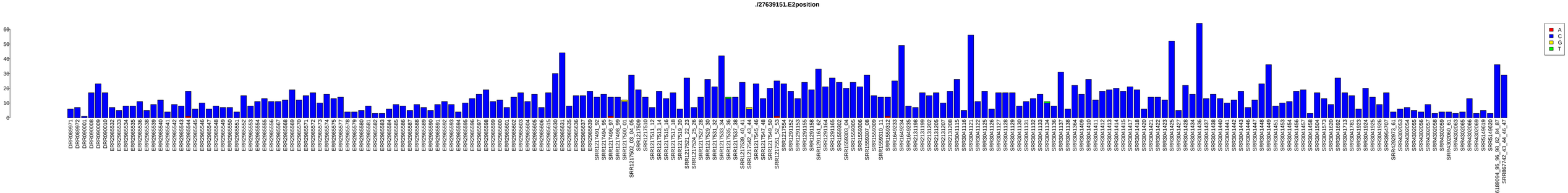

./27639148.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090011
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985621
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
ERR2985639
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282977
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

./27639149.E2position

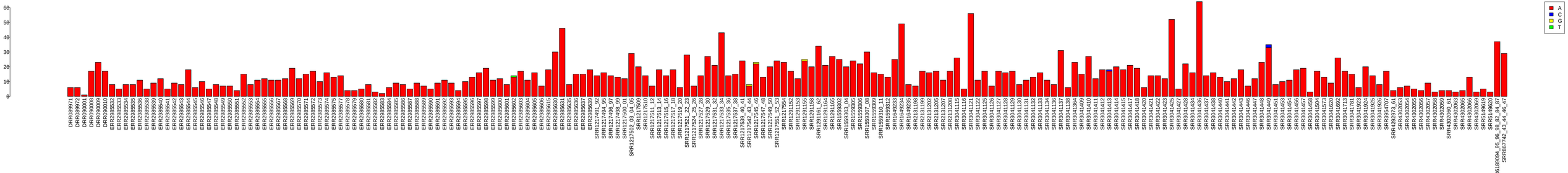


./27639150.E2position

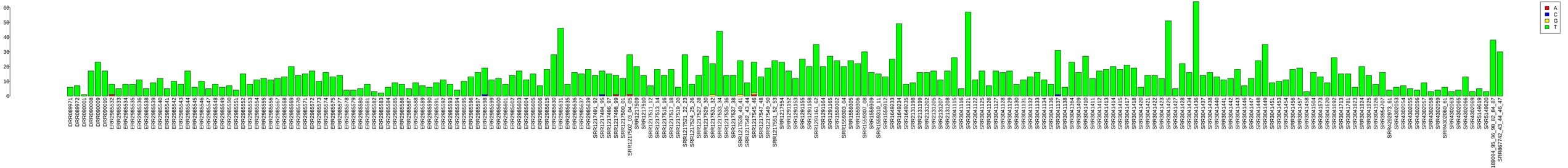



./27639151.E2position
A
C
G
T

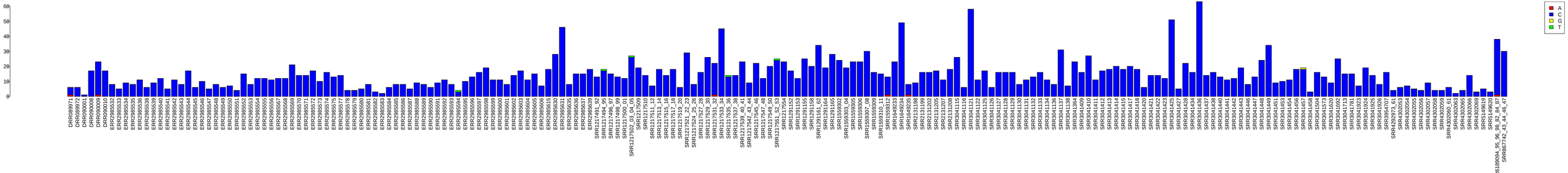
./27639152.E2position



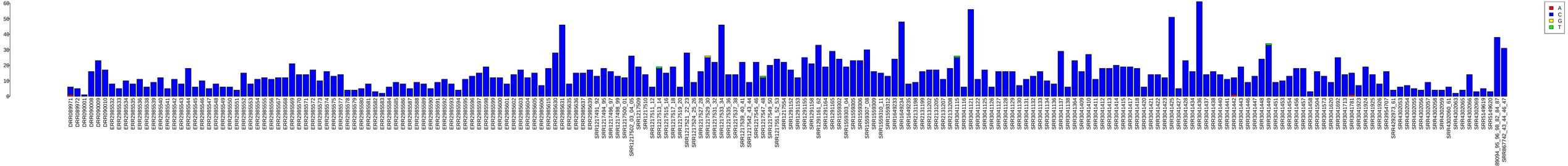
./27639153.E2position



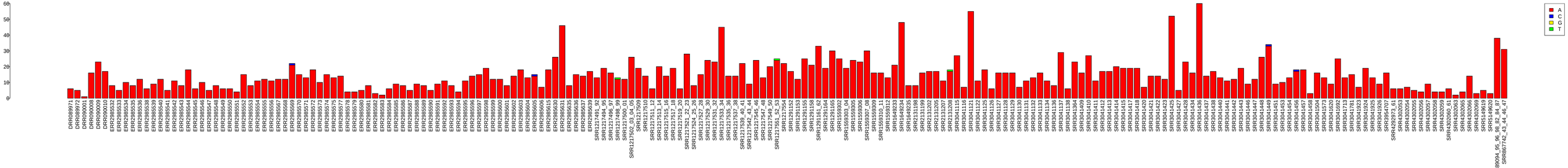
./27639154.E2position



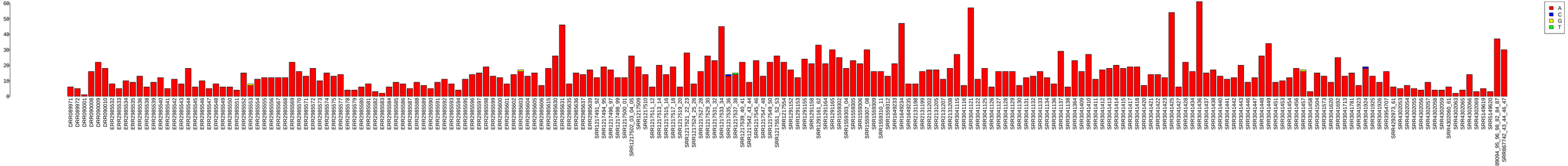
./27639155.E2position


60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172490_90
SRR12172502_03_04_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25_26
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48_49
SRR12172551_52_53
SRR12172554
SRR12172552
SRR12172555
SRR12172558
SRR12172559
SRR12172560
SRR12172561
SRR12172562
SRR12172563
SRR12172564
SRR12172565
SRR12172566
SRR12172567
SRR12172568
SRR12172569
SRR12172570
SRR12172571
SRR12172572
SRR12172573
SRR12172574
SRR12172575
SRR12172576
SRR12172577
SRR12172578
SRR12172579
SRR12172580
SRR12172581
SRR12172582
SRR12172583
SRR12172584
SRR12172585
SRR12172586
SRR12172587
SRR12172588
SRR12172589
SRR12172590
SRR12172591
SRR12172592
SRR12172593
SRR12172594
SRR12172595
SRR12172596
SRR12172597

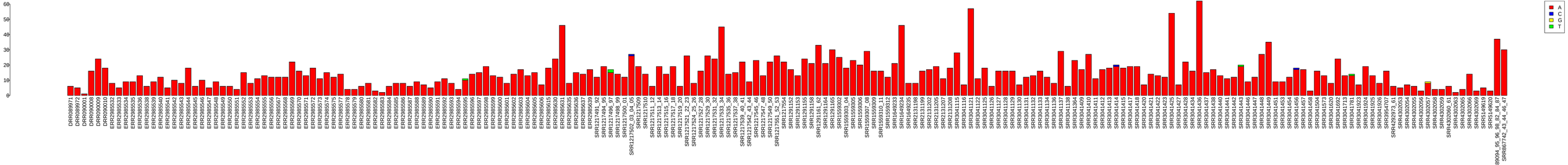
./27639156.E2position



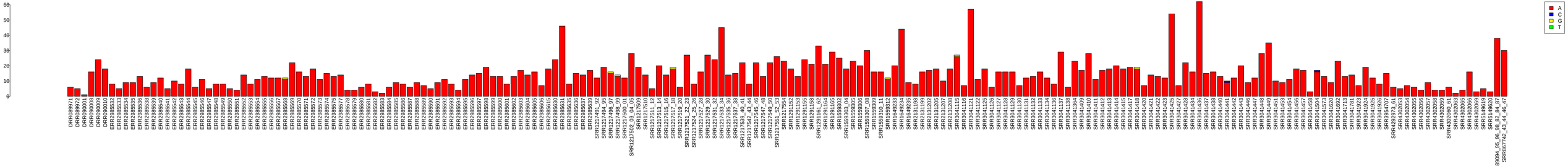
./27639157.E2position

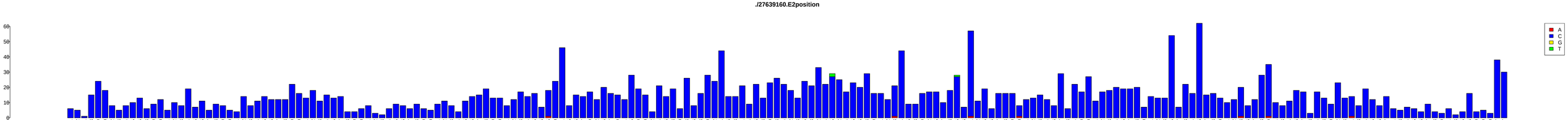


./27639158.E2position

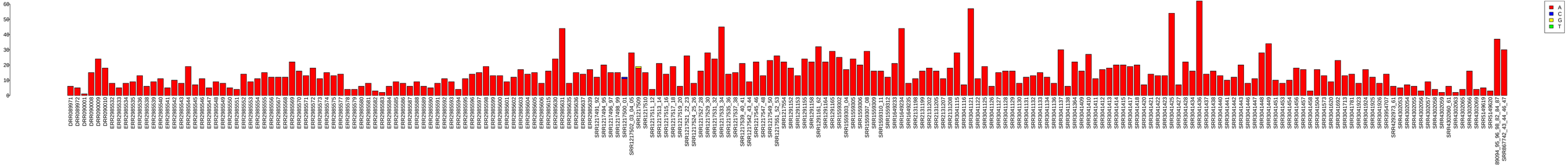


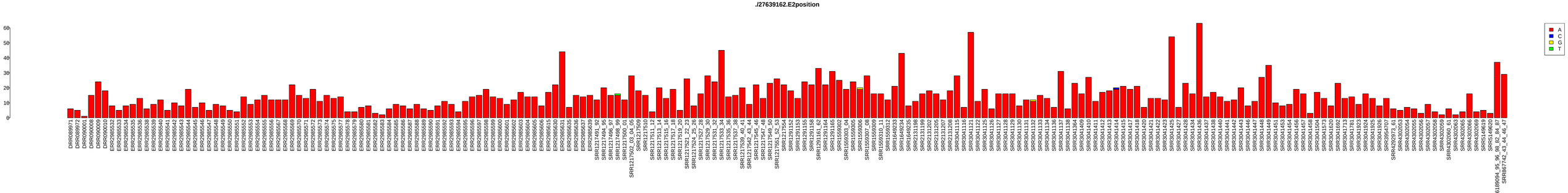
./27639159.E2position

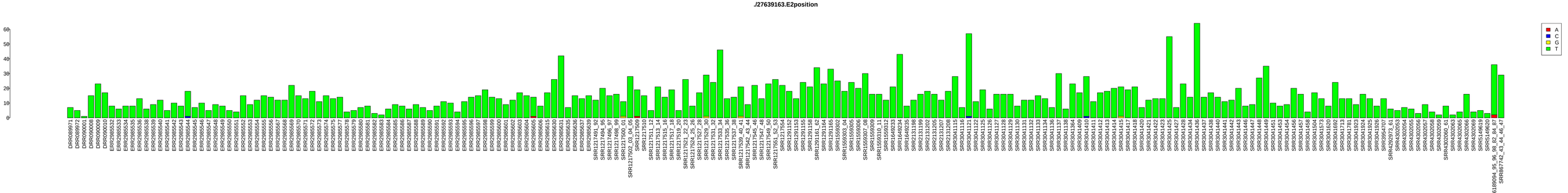



./27639160.E2position
A
C
G
T

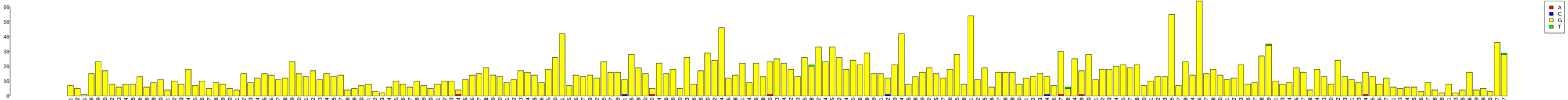
./27639161.E2position



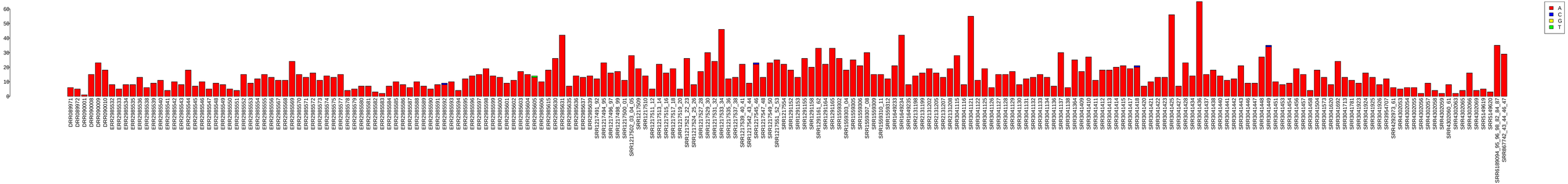

./27639162.E2position
A
C
G
T

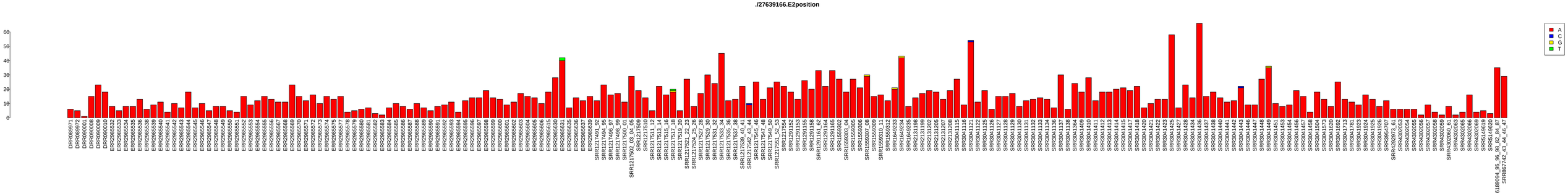

./27639163.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1291302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27639164.E2position

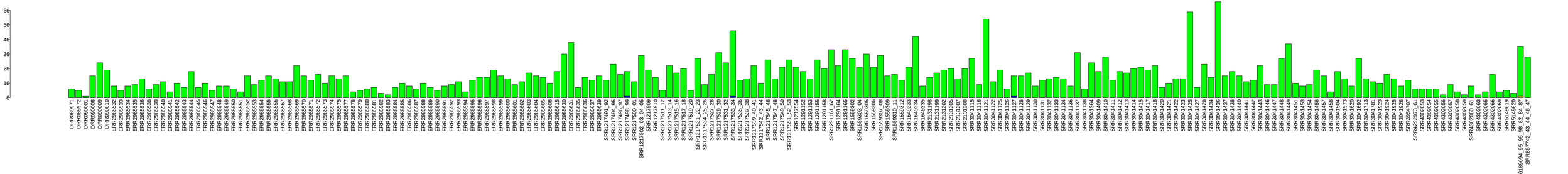


./27639165.E2position

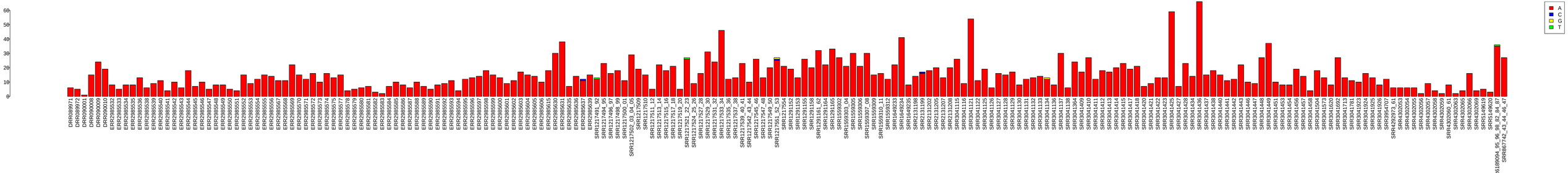



./27639166.E2position
A
C
G
T

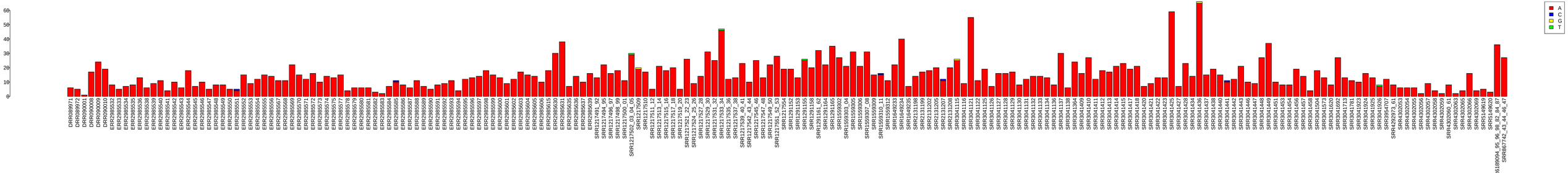
./27639167.E2position



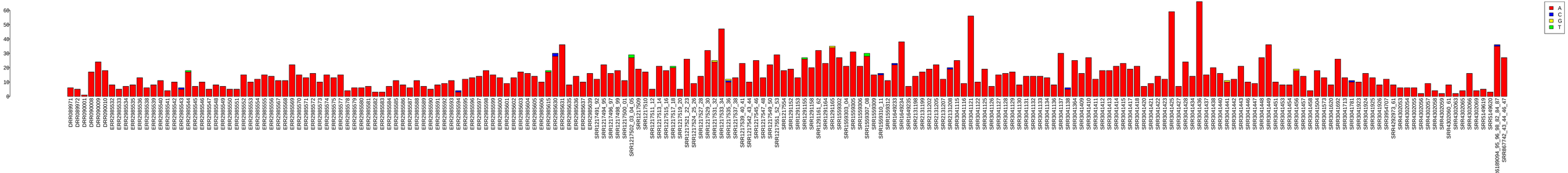
./27639168.E2position

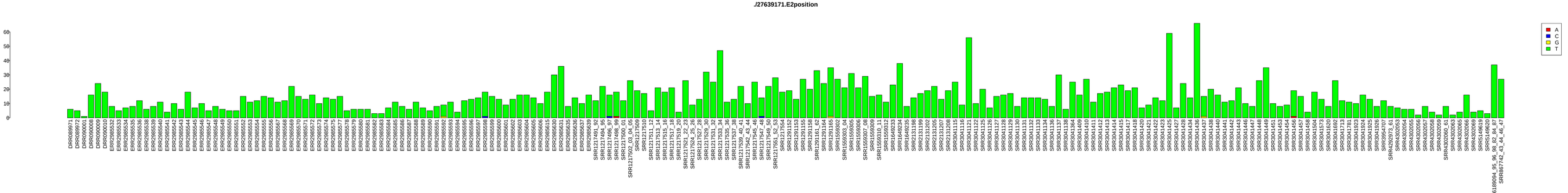


./27639169.E2position

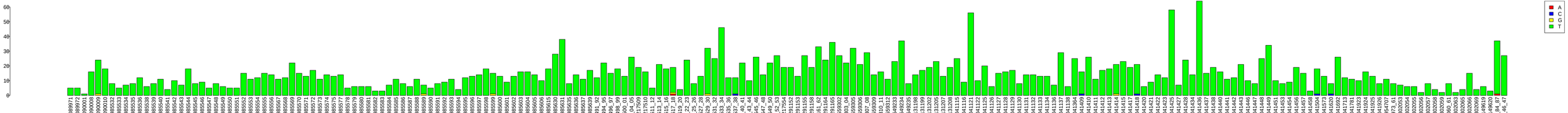


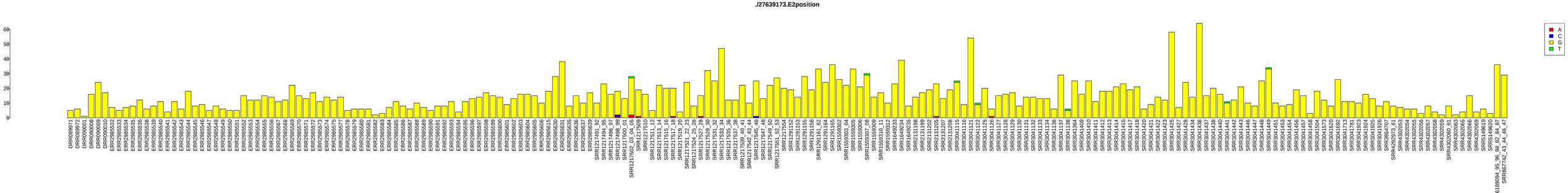
./27639170.E2position



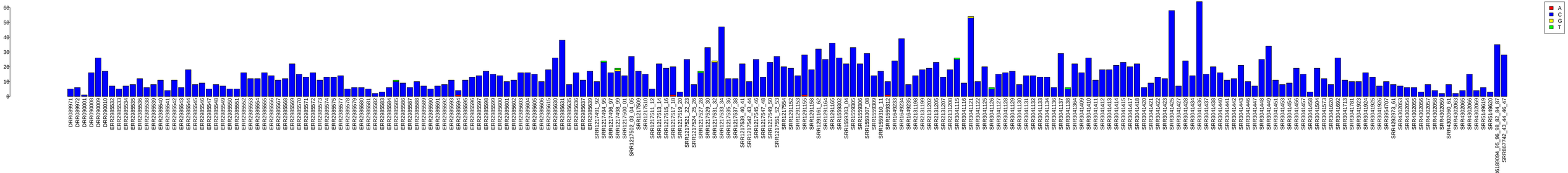

./27639171.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217494_92
SRR1217494_95
SRR1217496_99
SRR1217500_70
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041425
SRR3041426
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202707
SRR4202973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27639172.E2position

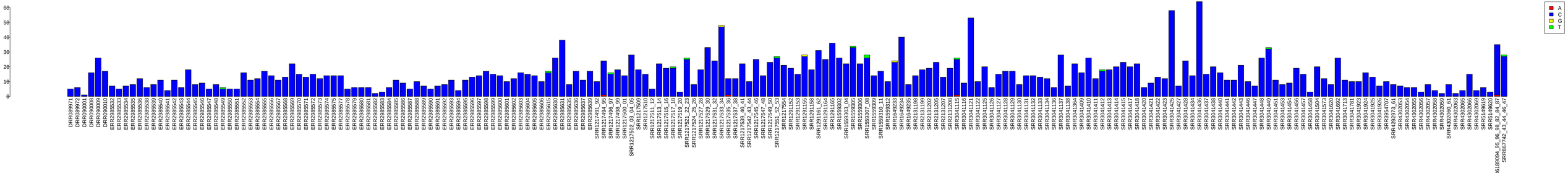



./27639173.E2position
0
10
20
30
40
50
60
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217501_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_23
SRR1217522_24
SRR1217528_29
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1217552
SRR1217555
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131200
SRR2131202
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041445
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041514
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282707
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302060
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47

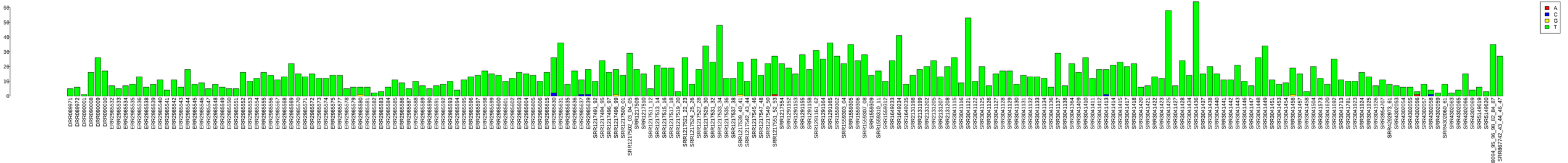
./27639174.E2position

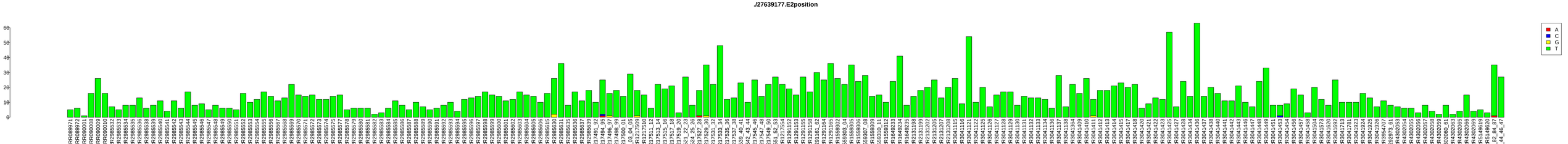


./27639175.E2position

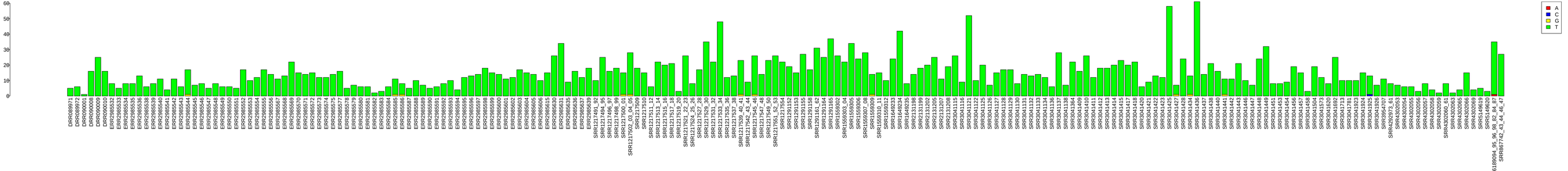


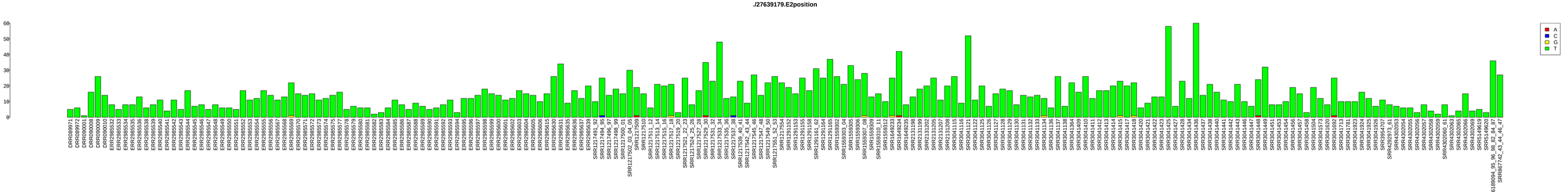
./27639176.E2position



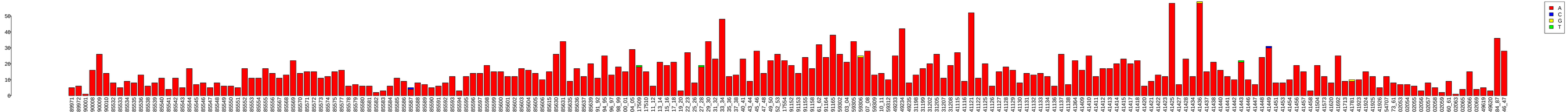

./27639177.E2position
60
50
40
30
20
10
0
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985576
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_97
SRR1217498_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970_71
SRR4202973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302065
SRR4302066
SRR4302067
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

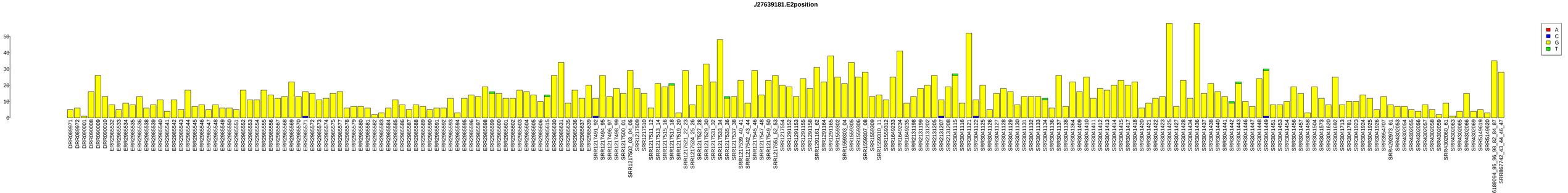
./27639178.E2position

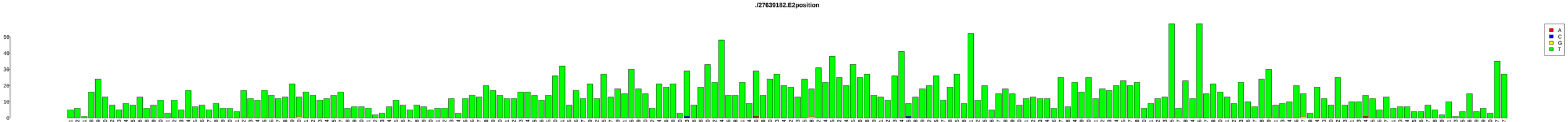


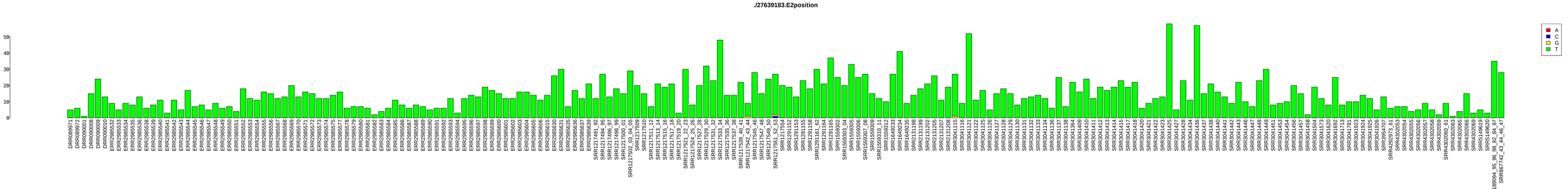

./27639179.E2position
A
C
G
T

./27639180.E2position

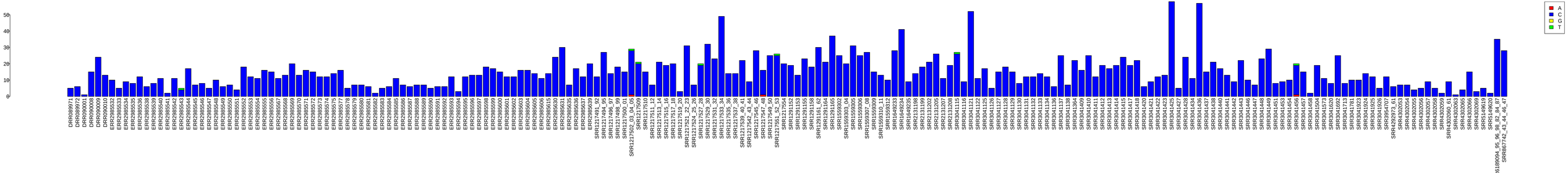


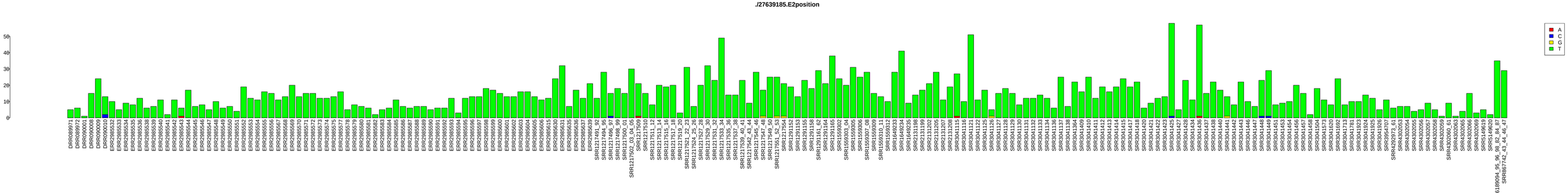

./27639181.E2position
A
C
G
T


./27639182.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217495_96
SRR1217496_99
SRR1217500_01
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041561
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041925
SRR3041926
SRR4282970
SRR4282973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5148619
SRR5148620
SRR6189094_95_96_98_82_84_87
SRR8677424_43_44_46_47

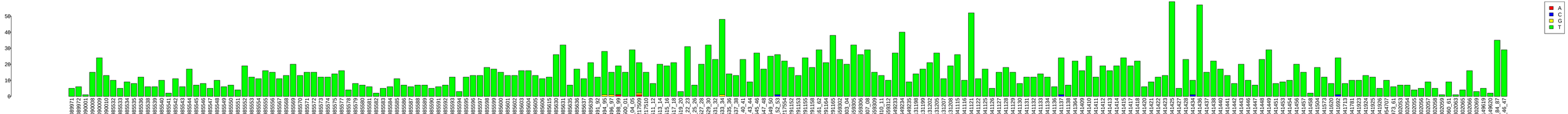

./27639183.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_04_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307_08
SRR1559309
SRR1559310_11
SRR1559312
SRR1649223
SRR1649224
SRR1649225
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041123
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

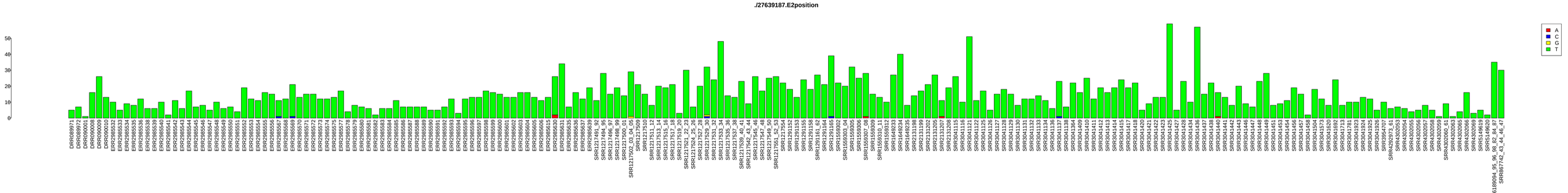
./27639184.E2position



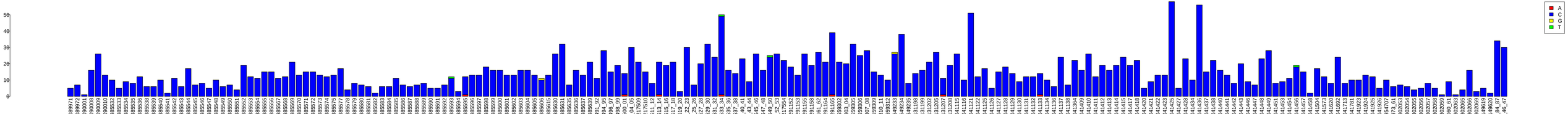

./27639185.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131206
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041121
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041419
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041426
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041438
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970_71
SRR4202973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47

./27639186.E2position

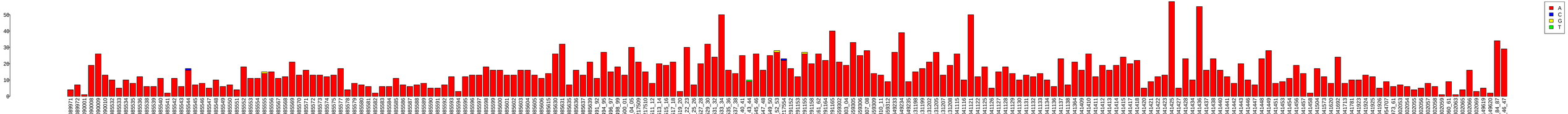


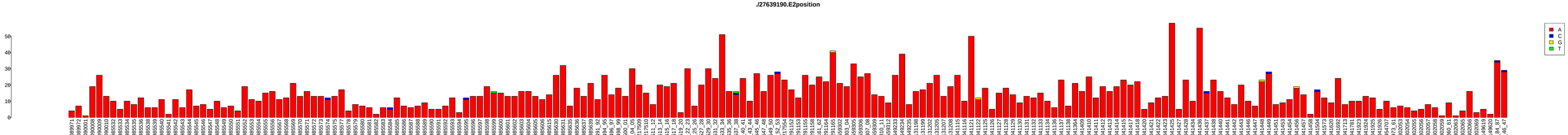

./27639187.E2position
A
C
G
T

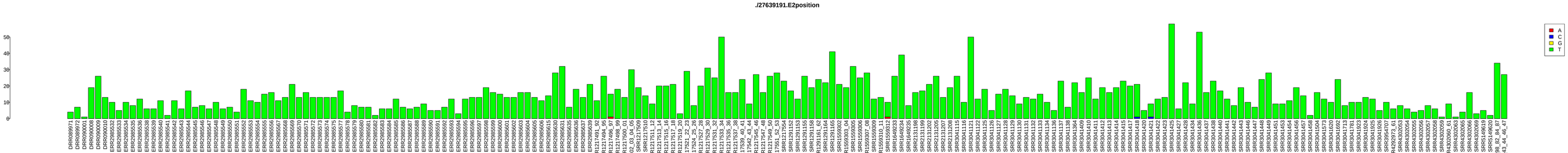
./27639188.E2position

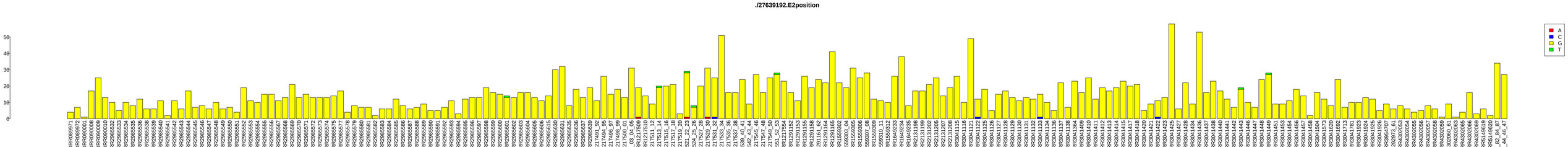


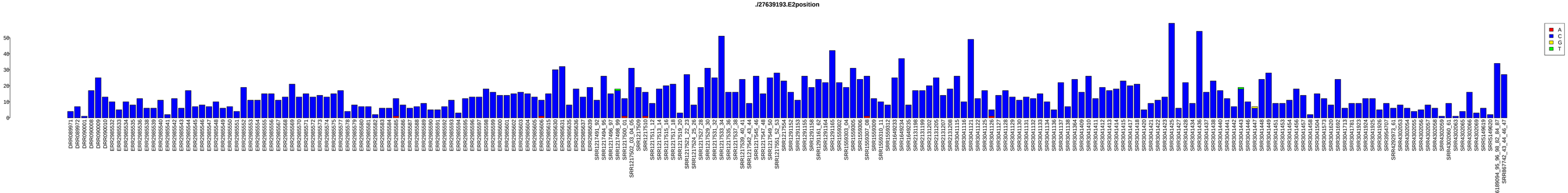
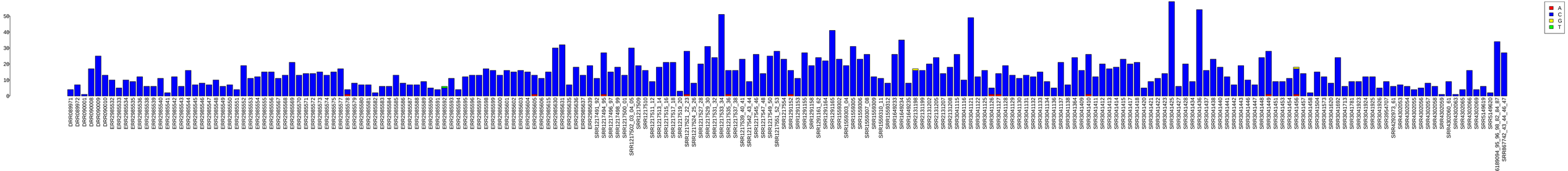
./27639189.E2position




./27639190.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985557
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985620
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25_26
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172544_45_46
SRR12172547_48_49
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172155
SRR12291155
SRR12291158
SRR12291161_62
SRR12291164
SRR12291165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649233
SRR1649234
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041435
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041459
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041721
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282971
SRR4282973_81
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146621
SRR6189094_95_96_98_82_84_87
SRR6877424_43_44_46_47


./27639191.E2position
0
10
20
30
40
50
A
C
G
T
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985568
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR1217491_92
SRR1217494_95
SRR1217496_99
SRR1217500_03
SRR1217502_03_05
SRR1217509
SRR1217510
SRR1217511_12
SRR1217513_14
SRR1217515_16
SRR1217517_18
SRR1217519_20
SRR1217521_22_23
SRR1217524_25_26
SRR1217527_28
SRR1217529_30
SRR1217531_32
SRR1217533_34
SRR1217535_36
SRR1217537_38
SRR1217539_40_41
SRR1217542_43_44
SRR1217545_46
SRR1217547_48
SRR1217549_50
SRR1217551_52_53
SRR1217554
SRR1291152
SRR1291153
SRR1291155
SRR1291158
SRR1291161_62
SRR1291164
SRR1291165
SRR1559302
SRR1559303_04
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1649232
SRR1649233
SRR1649235
SRR2131198
SRR2131199
SRR2131202
SRR2131205
SRR2131207
SRR2131208
SRR3041115
SRR3041116
SRR3041117
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041133
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041422
SRR3041423
SRR3041425
SRR3041427
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041446
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041453
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041515
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041723
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4202970_71
SRR4202973_81
SRR4302053
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146619
SRR5146620
SRR6189094_95_96_98_82_84_87
SRR6877422_43_44_46_47


./27639192.E2position
A
C
G
T
0
10
20
30
40
50
DRR089971
DRR089972
DRR090001
DRR090008
DRR090009
DRR090010
ERR2985532
ERR2985533
ERR2985534
ERR2985535
ERR2985536
ERR2985538
ERR2985539
ERR2985540
ERR2985541
ERR2985542
ERR2985543
ERR2985544
ERR2985545
ERR2985546
ERR2985547
ERR2985548
ERR2985549
ERR2985550
ERR2985551
ERR2985552
ERR2985553
ERR2985554
ERR2985555
ERR2985556
ERR2985558
ERR2985569
ERR2985570
ERR2985571
ERR2985572
ERR2985573
ERR2985574
ERR2985575
ERR2985577
ERR2985578
ERR2985579
ERR2985580
ERR2985581
ERR2985582
ERR2985583
ERR2985584
ERR2985585
ERR2985586
ERR2985587
ERR2985588
ERR2985589
ERR2985590
ERR2985591
ERR2985592
ERR2985593
ERR2985594
ERR2985595
ERR2985596
ERR2985597
ERR2985598
ERR2985599
ERR2985600
ERR2985601
ERR2985602
ERR2985603
ERR2985604
ERR2985605
ERR2985615
ERR2985630
ERR2985631
ERR2985635
ERR2985636
ERR2985637
ERR2985638
SRR12172492_92
SRR12172494_95
SRR12172496_97
SRR12172498_99
SRR12172500_01
SRR12172502_03_05
SRR12172509
SRR12172510
SRR12172511_12
SRR12172513_14
SRR12172515_16
SRR12172517_18
SRR12172519_20
SRR12172521_22_23
SRR12172524_25
SRR12172527_28
SRR12172529_30
SRR12172531_32
SRR12172533_34
SRR12172535_36
SRR12172537_38
SRR12172539_40_41
SRR12172542_43_44
SRR12172545_46
SRR12172547_48
SRR12172549_50
SRR12172551_52_53
SRR12172554
SRR12172152
SRR12172155
SRR12172158
SRR12172161_62
SRR12172164
SRR12172165
SRR1559302
SRR1559305
SRR1559306
SRR1559307
SRR1559309
SRR1559310_11
SRR1559312
SRR1648233
SRR1648234
SRR1648235
SRR2133198
SRR2133199
SRR2133202
SRR2133205
SRR2133207
SRR2133208
SRR3041115
SRR3041116
SRR3041122
SRR3041125
SRR3041126
SRR3041127
SRR3041128
SRR3041129
SRR3041130
SRR3041131
SRR3041132
SRR3041134
SRR3041136
SRR3041137
SRR3041138
SRR3041139
SRR3041409
SRR3041410
SRR3041411
SRR3041412
SRR3041413
SRR3041414
SRR3041415
SRR3041417
SRR3041418
SRR3041420
SRR3041421
SRR3041422
SRR3041423
SRR3041425
SRR3041426
SRR3041428
SRR3041434
SRR3041436
SRR3041437
SRR3041439
SRR3041440
SRR3041441
SRR3041442
SRR3041443
SRR3041447
SRR3041448
SRR3041449
SRR3041451
SRR3041452
SRR3041454
SRR3041456
SRR3041457
SRR3041458
SRR3041516
SRR3041573
SRR3041620
SRR3041692
SRR3041713
SRR3041719
SRR3041923
SRR3041924
SRR3041925
SRR3041926
SRR4282972
SRR4282973_61
SRR4302053
SRR4302054
SRR4302055
SRR4302056
SRR4302057
SRR4302058
SRR4302059
SRR4302060_61
SRR4302062
SRR4302065
SRR4302066
SRR4302069
SRR5146419
SRR5146420
SRR6189094_95_96_98_82_84_87
SRR8677424_43_44_46_47


./27639193.E2position
0
10
20
30
40
50
A
C
G
T

./27639194.E2position