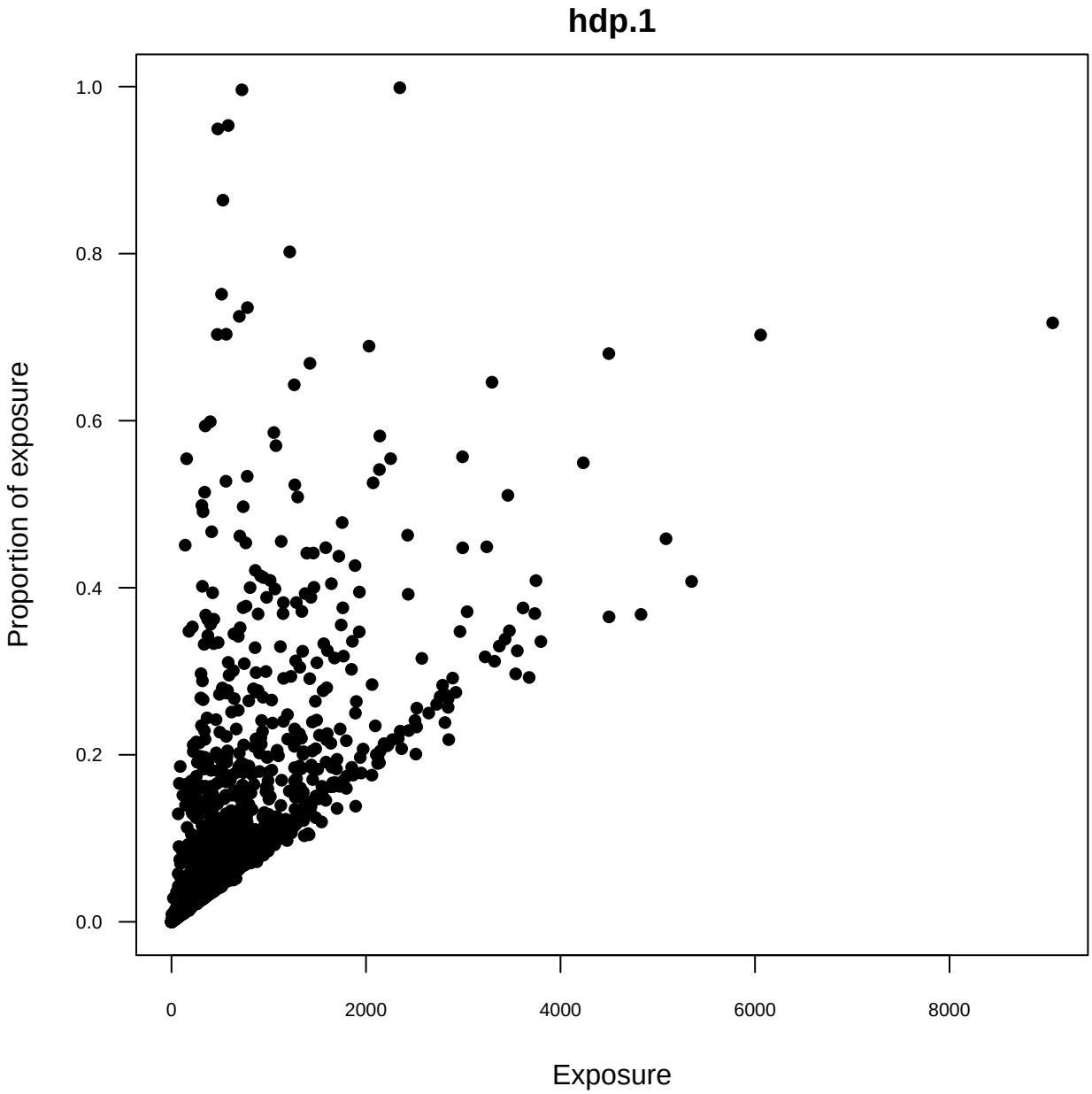
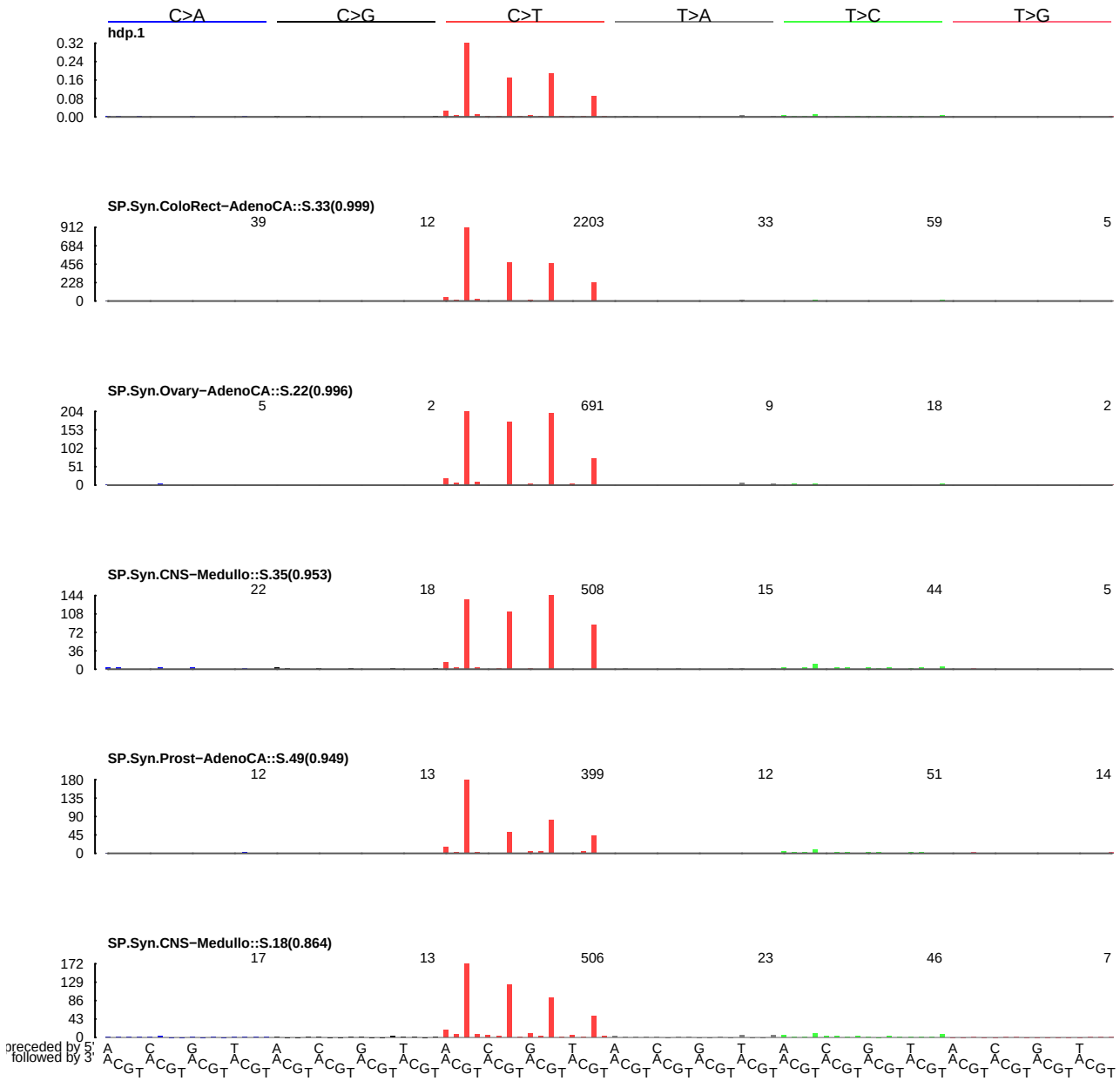
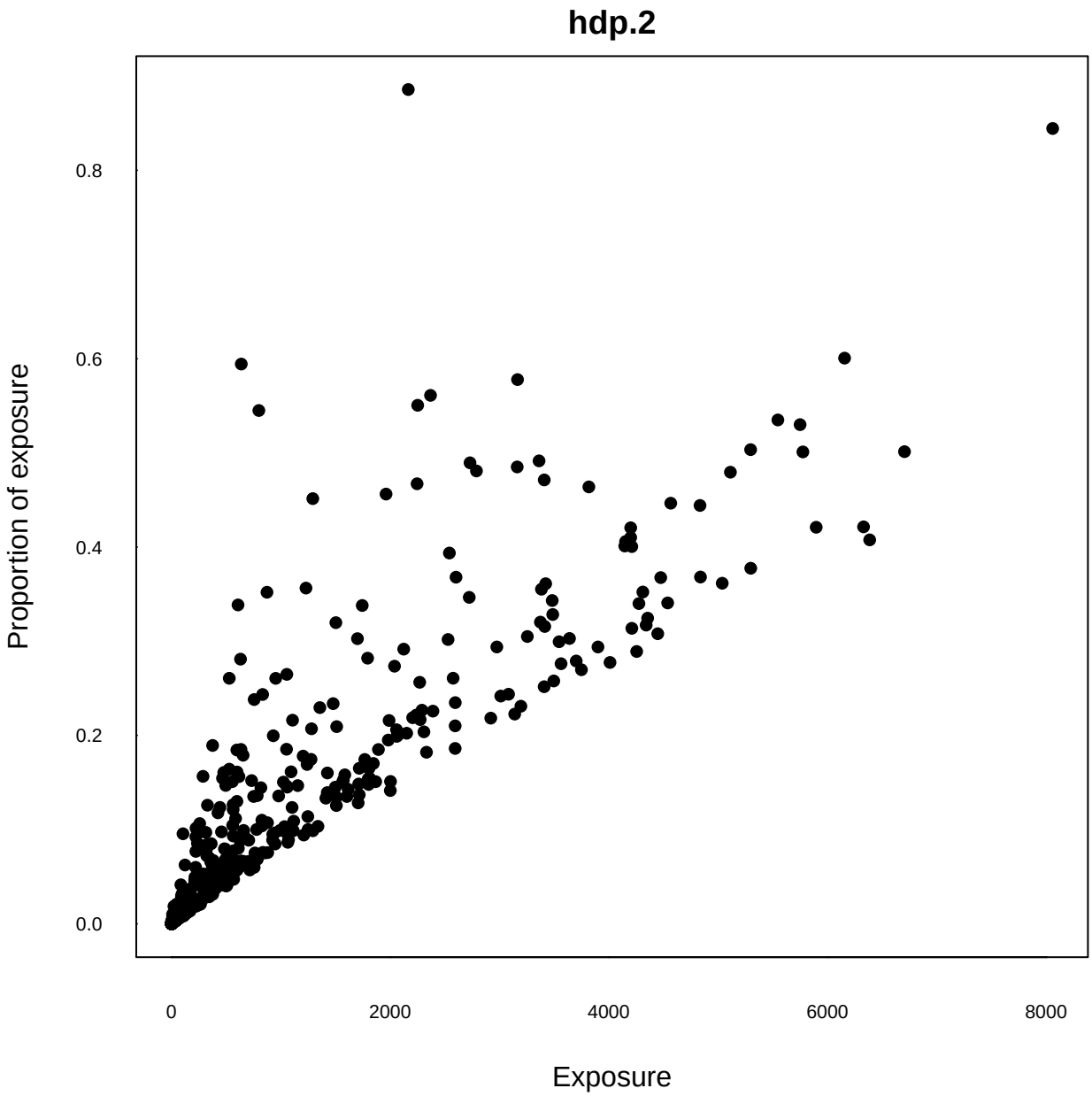
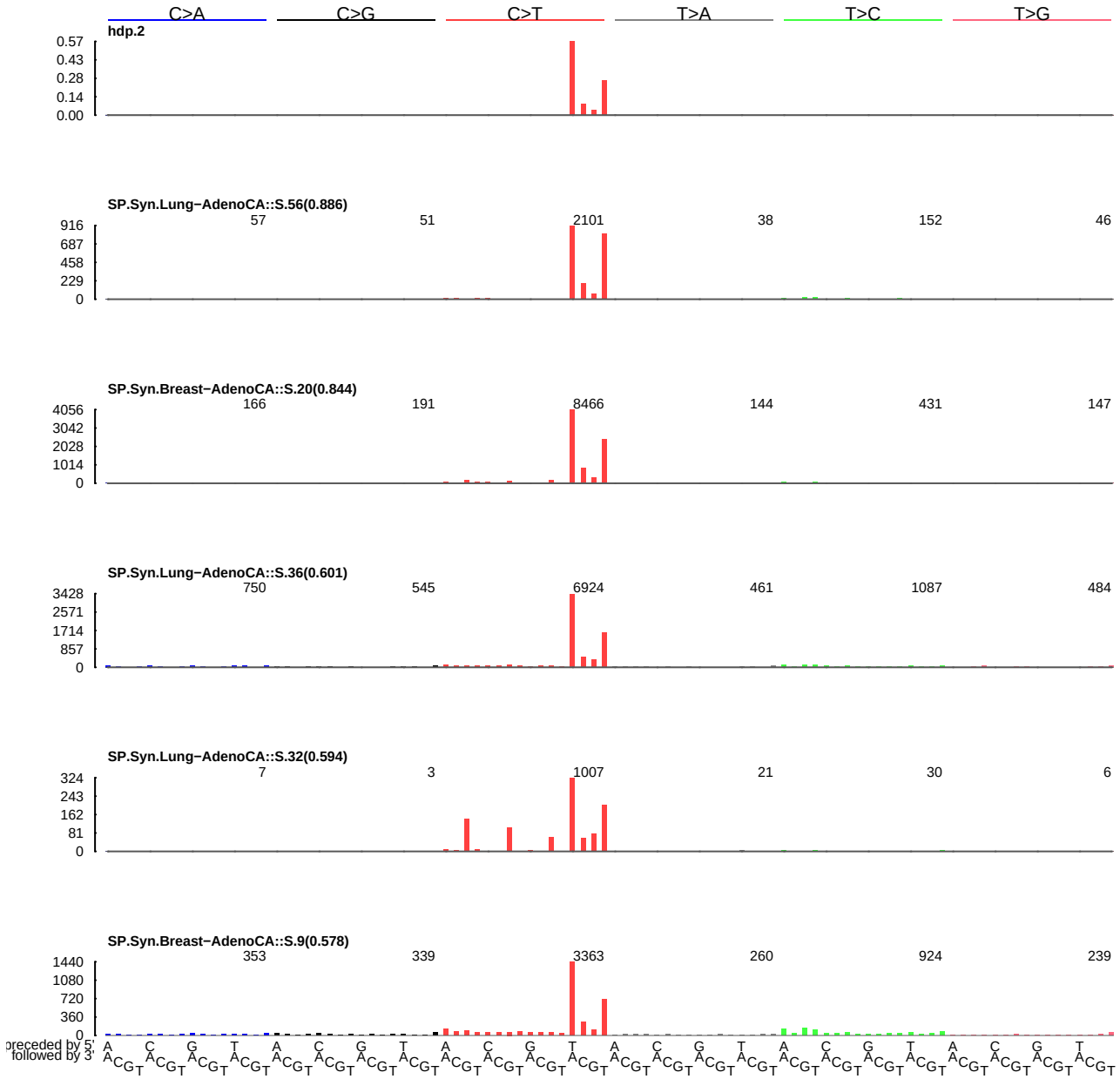
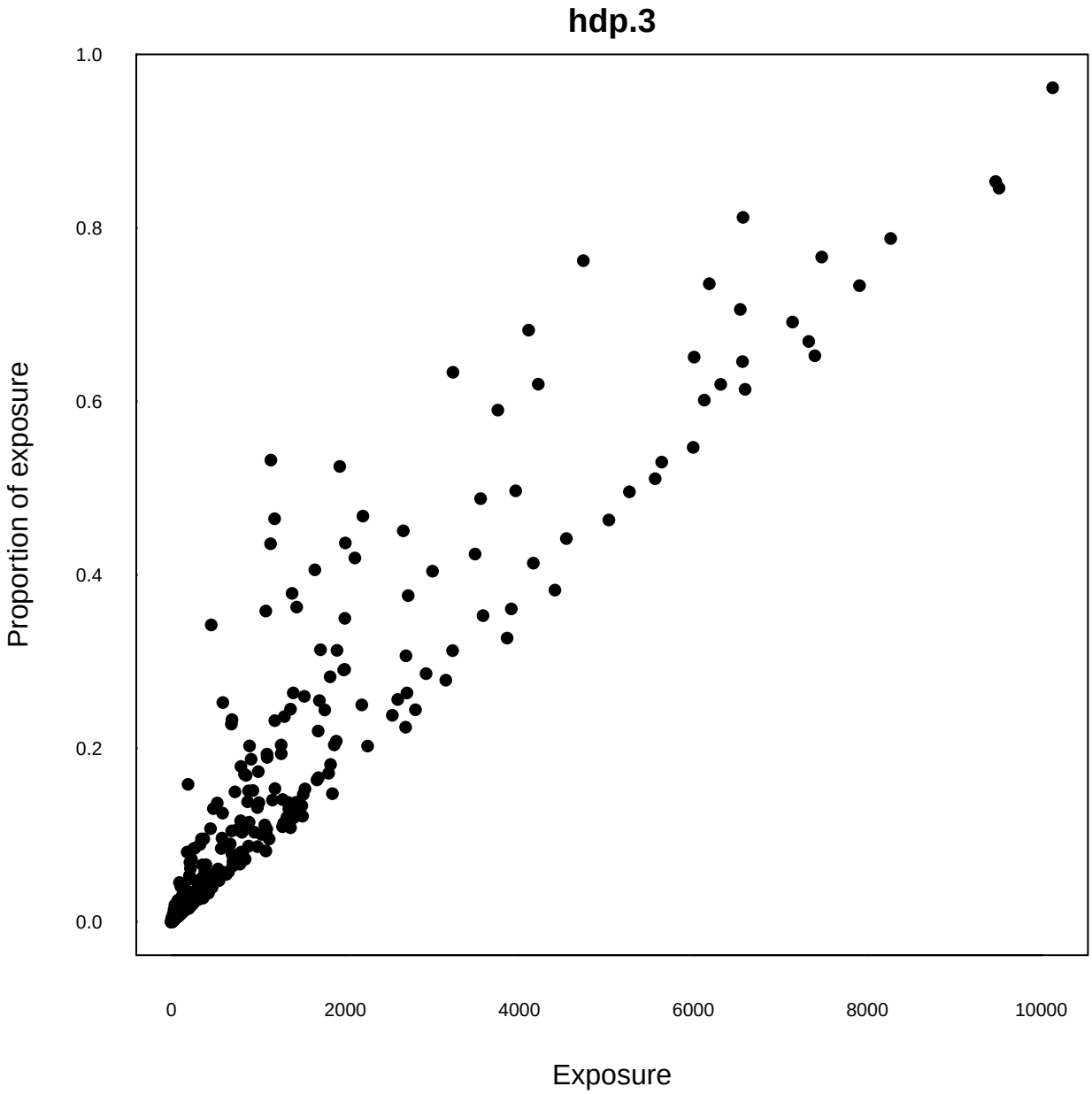
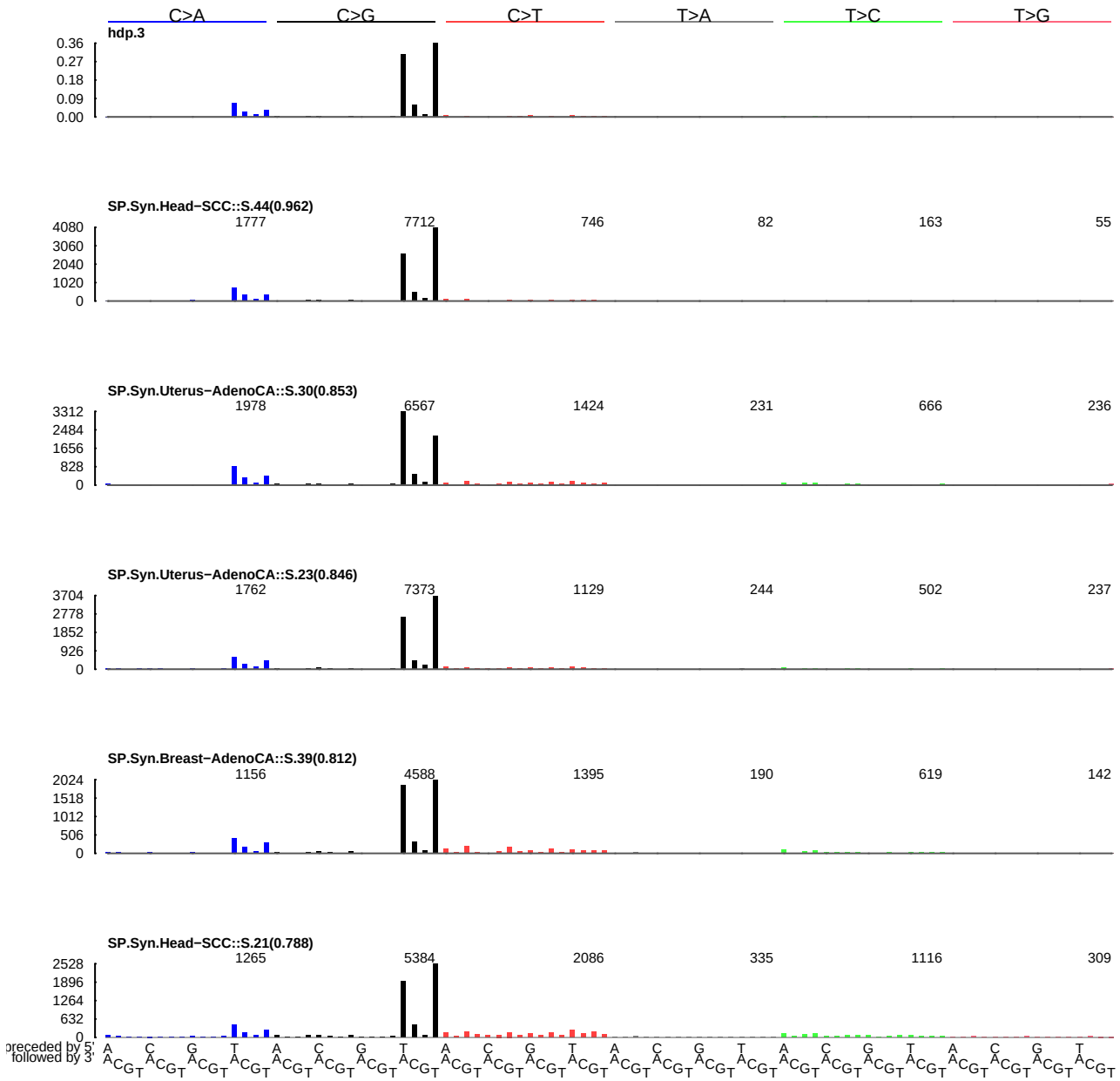

hdp.1
Proportion of exposure
1.0
0.8
0.6
0.4
0.2
0.0
0
2000
4000
6000
8000
Exposure

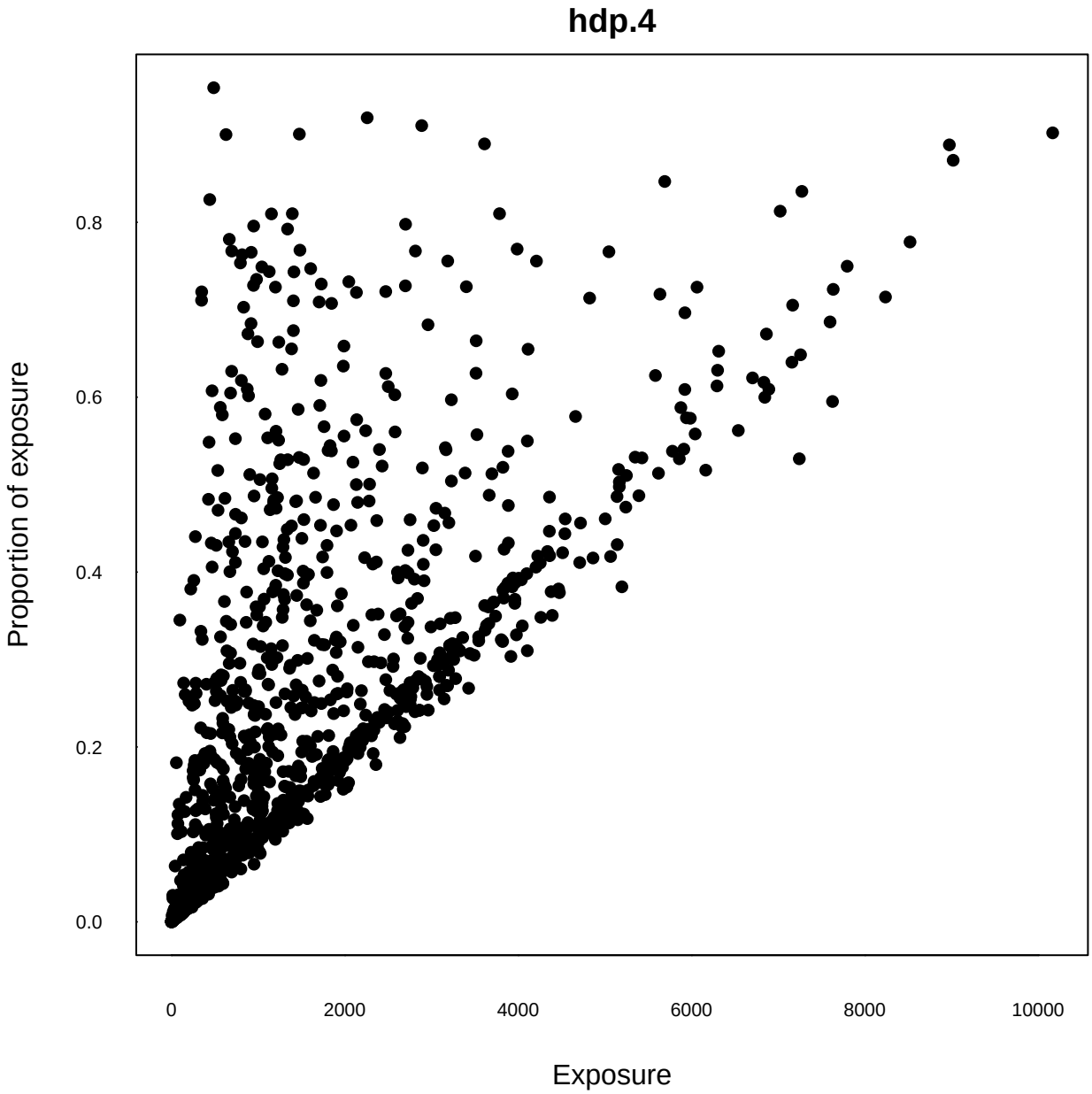

C>A
C>G
C>T
T>A
T>C
T>G
hdp.1
0.32
0.24
0.16
0.08
0.00
SP.Syn.ColoRect−AdenoCA::S.33(0.999)
39
12
2203
33
59
5
912
684
456
228
0
SP.Syn.Ovary−AdenoCA::S.22(0.996)
5
2
691
9
18
2
204
153
102
51
0
SP.Syn.CNS−Medullo::S.35(0.953)
22
18
508
15
44
5
144
108
72
36
0
SP.Syn.Prost−AdenoCA::S.49(0.949)
12
13
399
12
51
14
180
135
90
45
0
SP.Syn.CNS−Medullo::S.18(0.864)
17
13
506
23
46
7
172
129
86
43
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

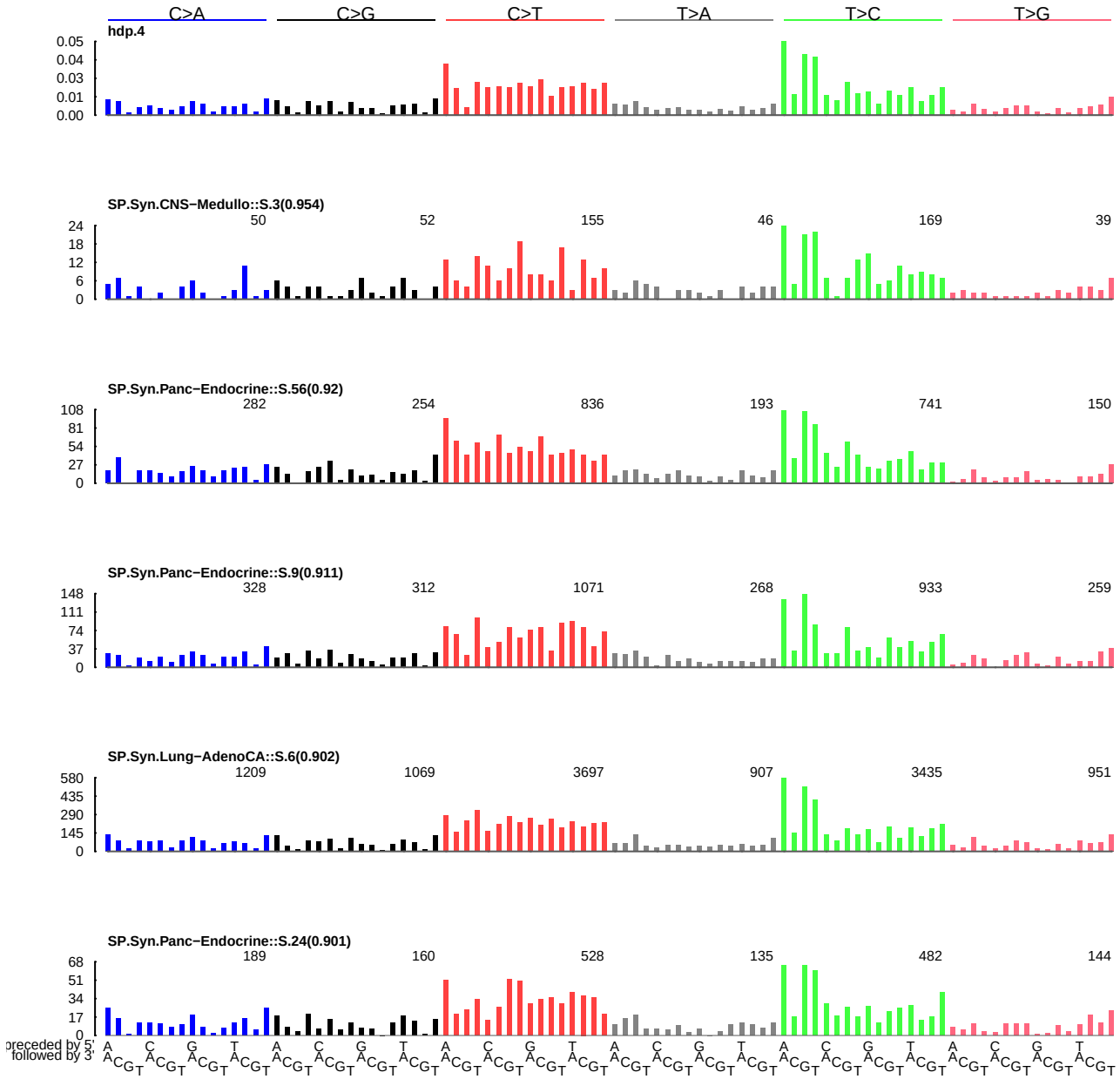

hdp.2
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
Exposure

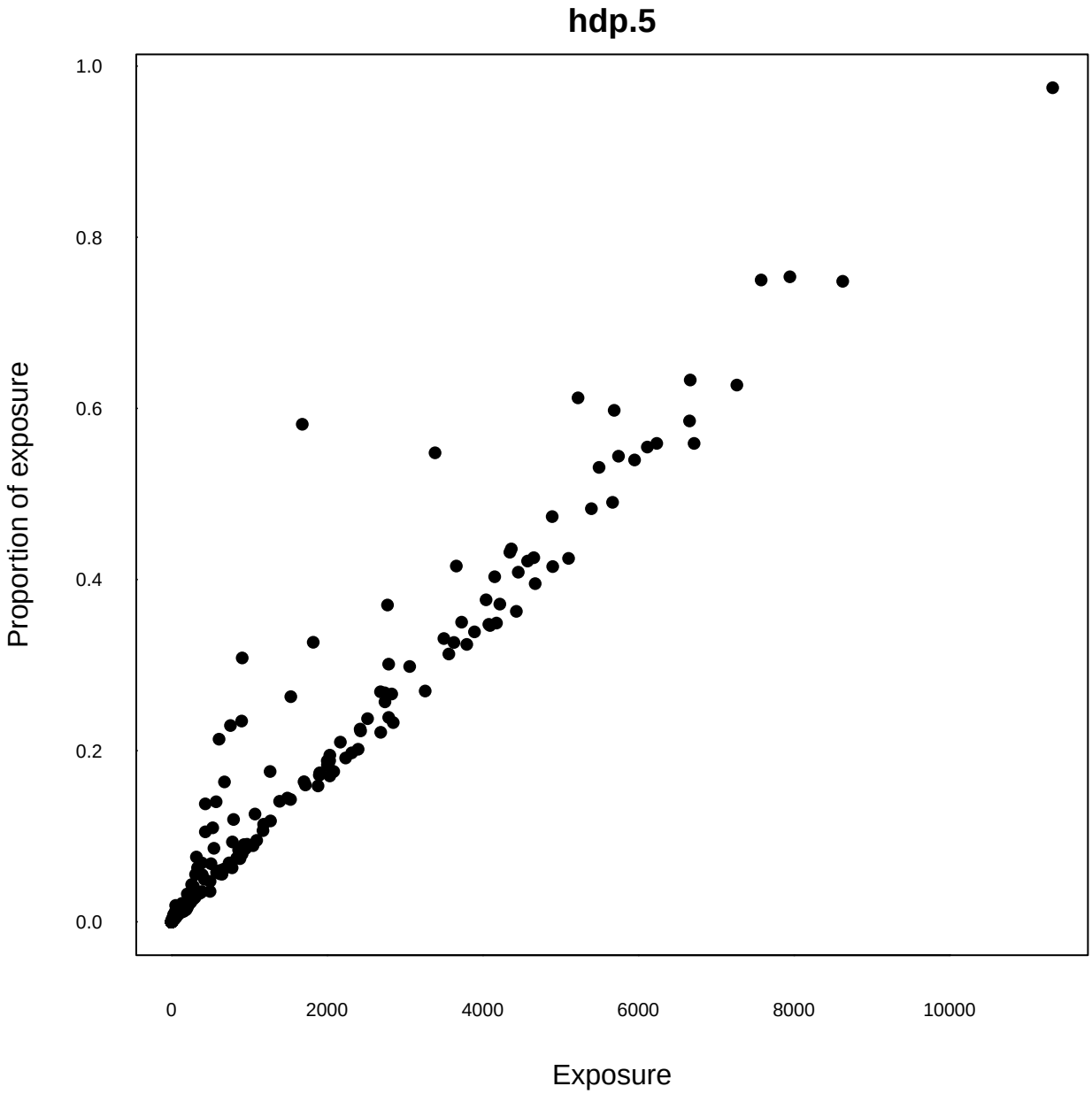

C>A
C>G
C>T
T>A
T>C
T>G
hdp.2
0.57
0.43
0.28
0.14
0.00
SP.Syn.Lung−AdenoCA::S.56(0.886)
57
51
2101
38
152
46
916
687
458
229
0
SP.Syn.Breast−AdenoCA::S.20(0.844)
166
191
8466
144
431
147
4056
3042
2028
1014
0
SP.Syn.Lung−AdenoCA::S.36(0.601)
750
545
6924
461
1087
484
3428
2571
1714
857
0
SP.Syn.Lung−AdenoCA::S.32(0.594)
7
3
1007
21
30
6
324
243
162
81
0
SP.Syn.Breast−AdenoCA::S.9(0.578)
353
339
3363
260
924
239
1440
1080
720
360
0
preceded by 5'
followed by 3'

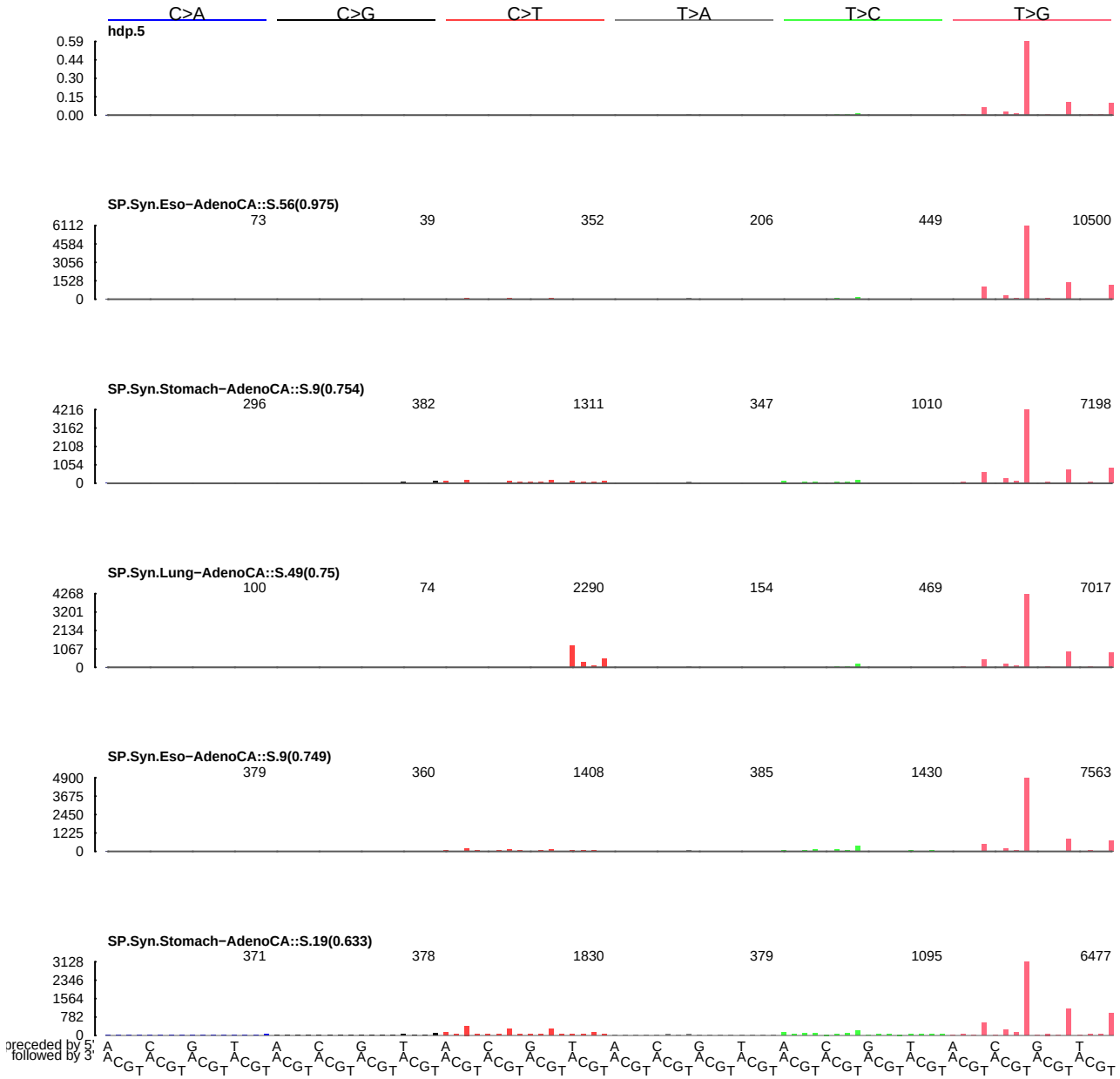

hdp.3
1.0
0.8
0.6
0.4
0.2
0.0
Proportion of exposure
0
2000
4000
6000
8000
10000
Exposure

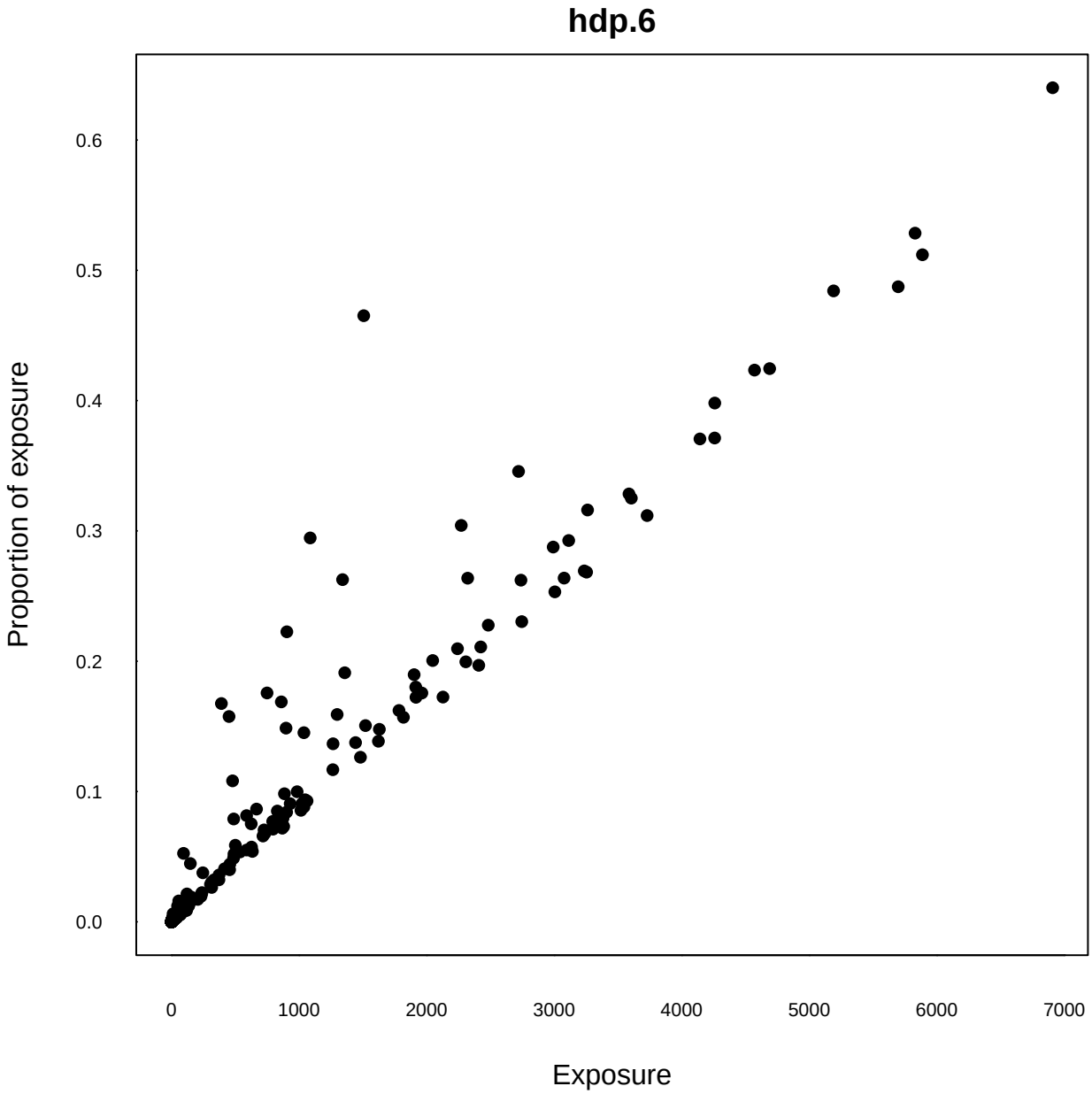

C>A
C>G
C>T
T>A
T>C
T>G
hdp.3
0.36
0.27
0.18
0.09
0.00
SP.Syn.Head−SCC::S.44(0.962)
1777
7712
746
82
163
55
4080
3060
2040
1020
0
SP.Syn.Uterus−AdenoCA::S.30(0.853)
1978
6567
1424
231
666
236
3312
2484
1656
828
0
SP.Syn.Uterus−AdenoCA::S.23(0.846)
1762
7373
1129
244
502
237
3704
2778
1852
926
0
SP.Syn.Breast−AdenoCA::S.39(0.812)
1156
4588
1395
190
619
142
2024
1518
1012
506
0
SP.Syn.Head−SCC::S.21(0.788)
1265
5384
2086
335
1116
309
2528
1896
1264
632
0
preceded by 5'
followed by 3'

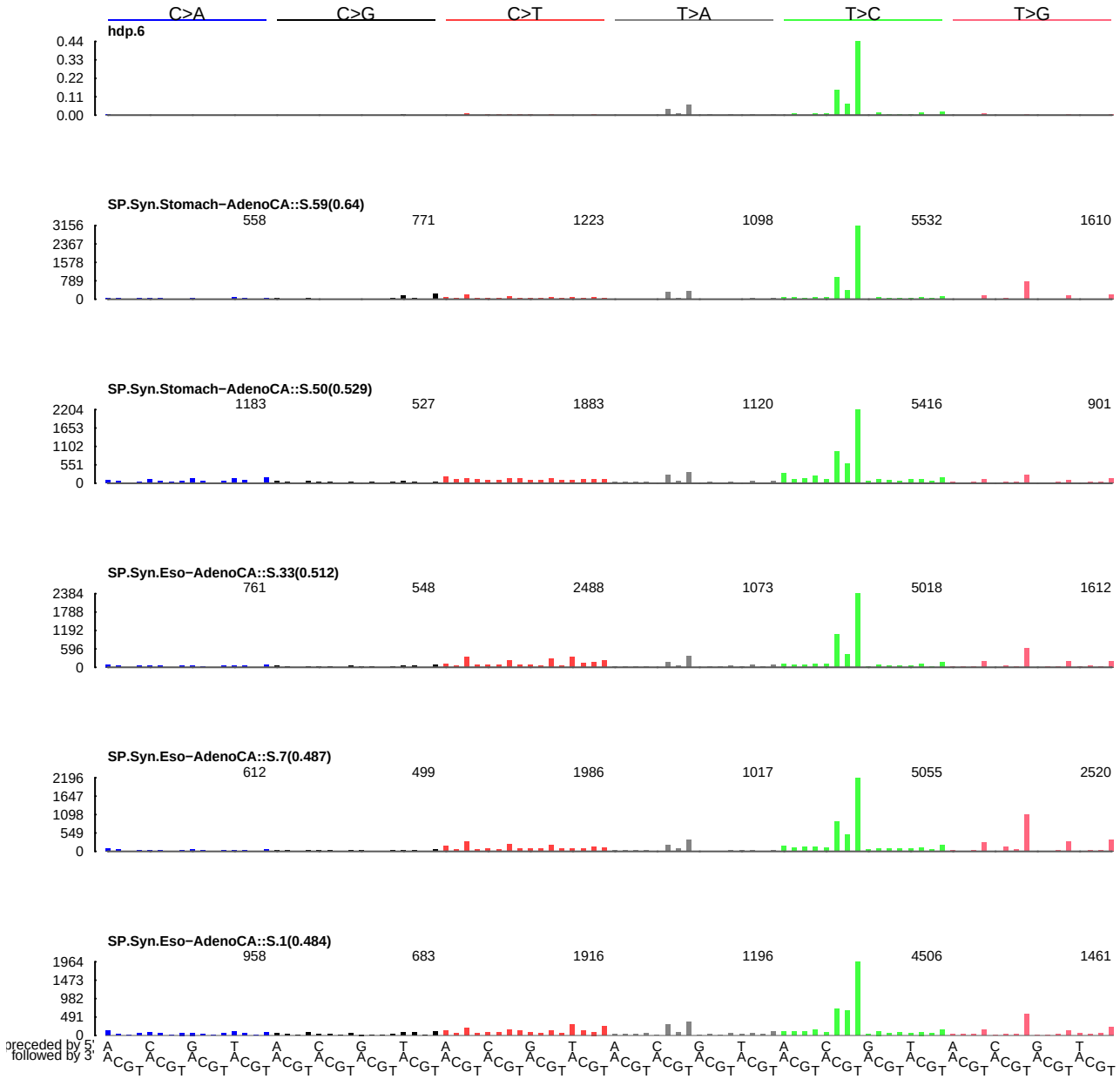

hdp.4
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
10000
Exposure

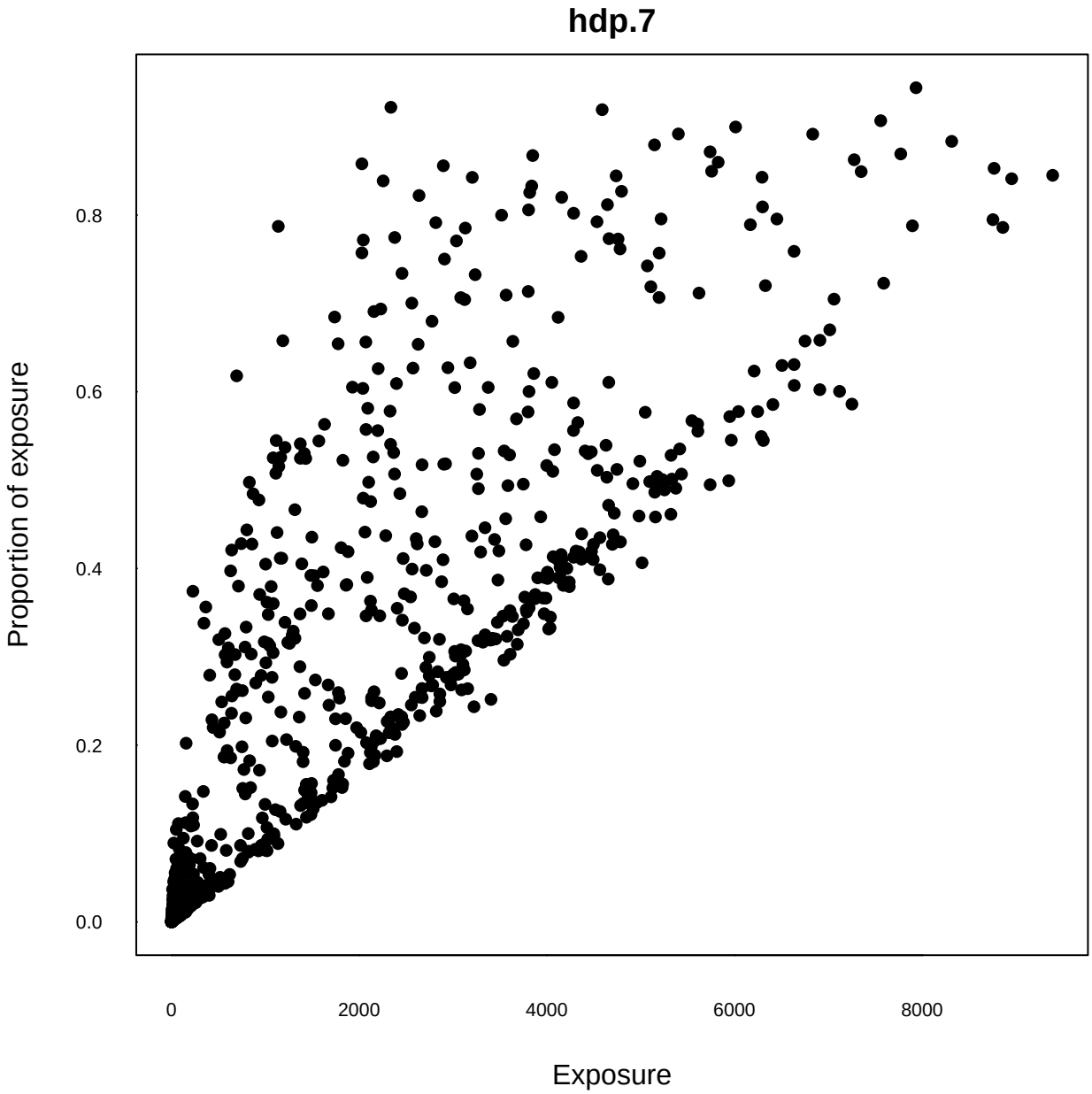

C>A
C>G
C>T
T>A
T>C
T>G
hdp.4
0.05
0.04
0.03
0.01
0.00
SP.Syn.CNS−Medullo::S.3(0.954)
50
52
155
46
169
39
24
18
12
6
0
SP.Syn.Panc−Endocrine::S.56(0.92)
282
254
836
193
741
150
108
81
54
27
0
SP.Syn.Panc−Endocrine::S.9(0.911)
328
312
1071
268
933
259
148
111
74
37
0
SP.Syn.Lung−AdenoCA::S.6(0.902)
1209
1069
3697
907
3435
951
580
435
290
145
0
SP.Syn.Panc−Endocrine::S.24(0.901)
189
160
528
135
482
144
68
51
34
17
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

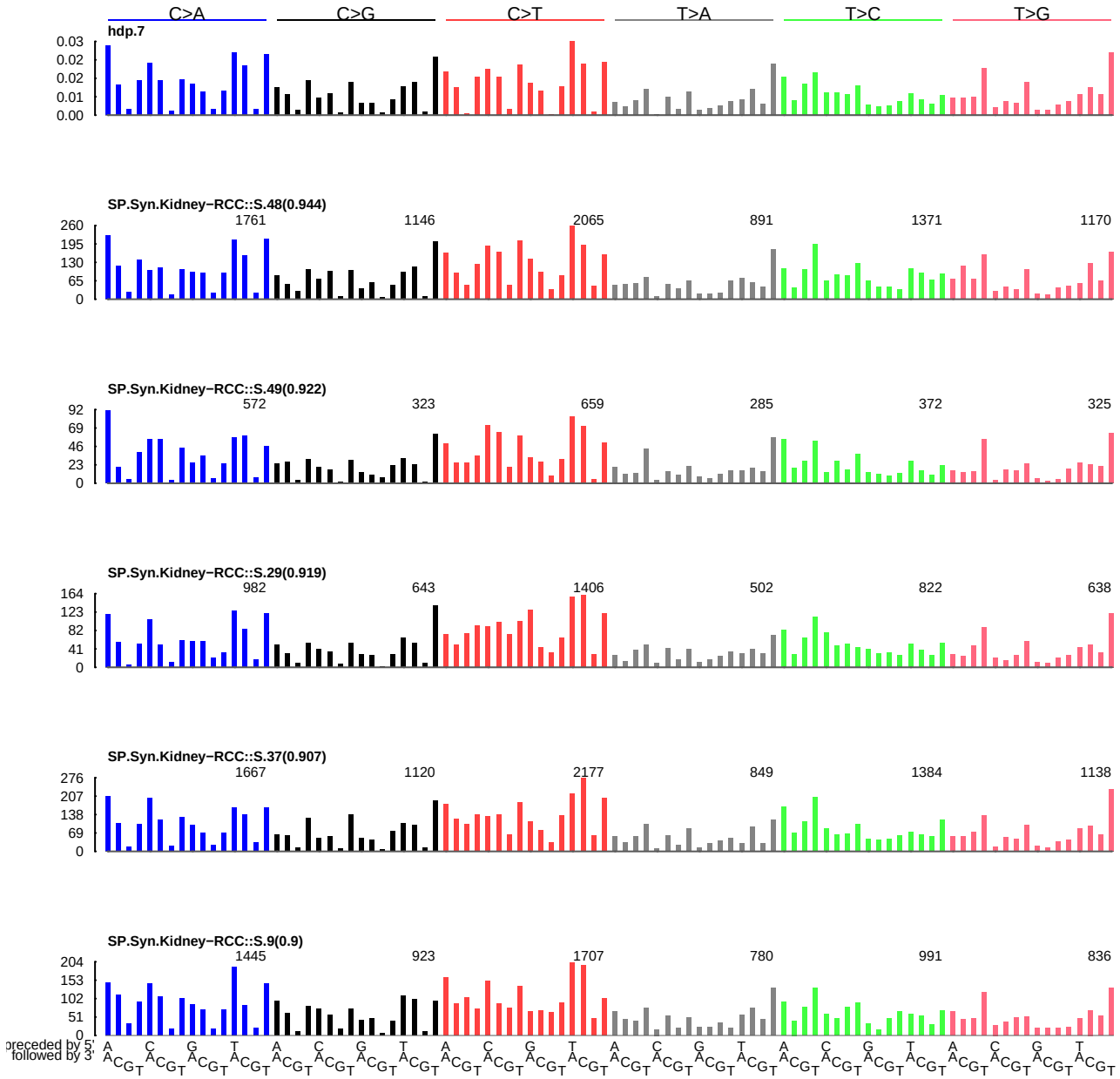

hdp.5
Proportion of exposure
1.0
0.8
0.6
0.4
0.2
0.0
0
2000
4000
6000
8000
10000
Exposure

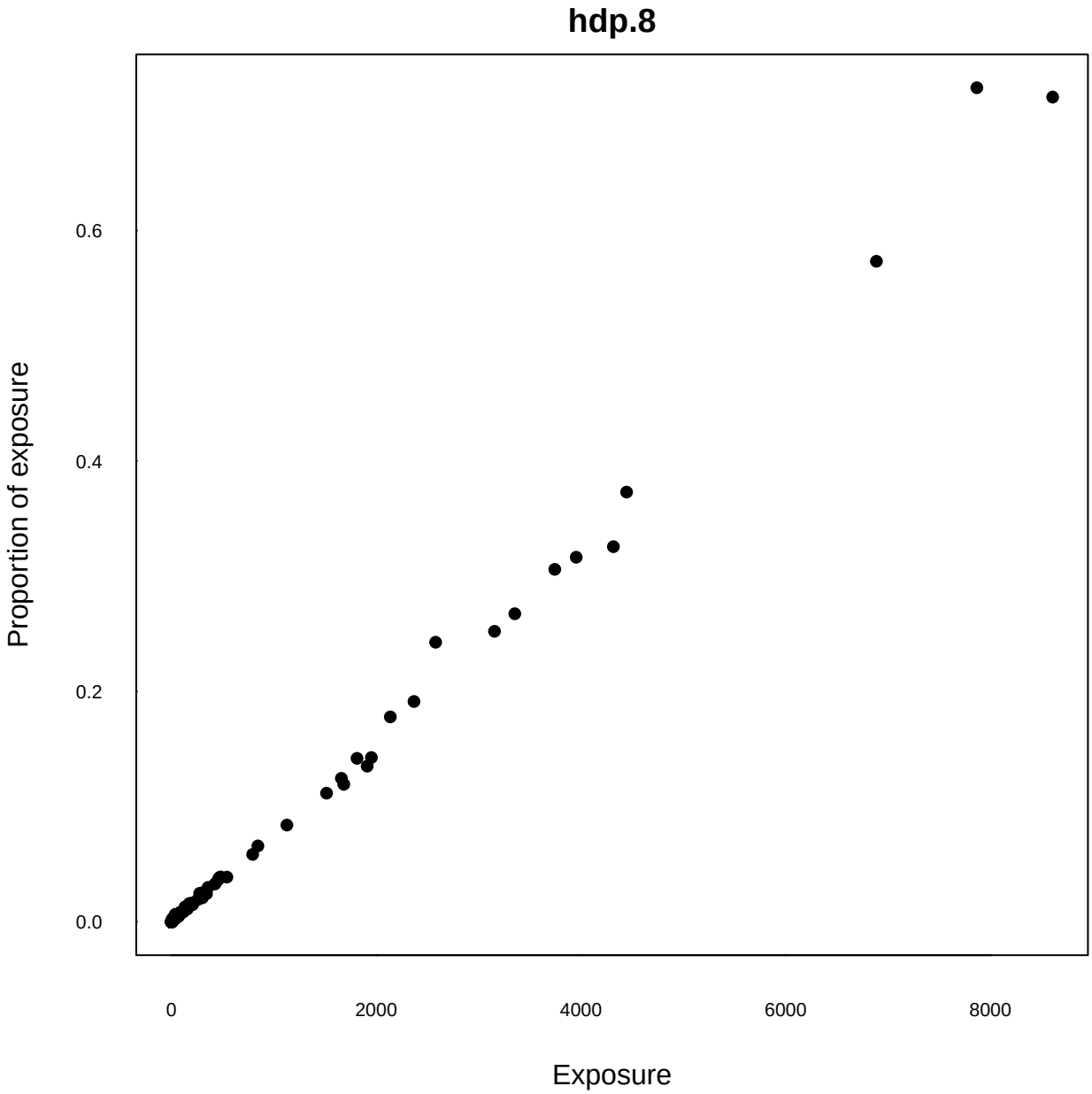

C>A
C>G
C>T
T>A
T>C
T>G
hdp.5
0.59
0.44
0.30
0.15
0.00
SP.Syn.Eso−AdenoCA::S.56(0.975)
73
39
352
206
449
10500
6112
4584
3056
1528
0
SP.Syn.Stomach−AdenoCA::S.9(0.754)
296
382
1311
347
1010
7198
4216
3162
2108
1054
0
SP.Syn.Lung−AdenoCA::S.49(0.75)
100
74
2290
154
469
7017
4268
3201
2134
1067
0
SP.Syn.Eso−AdenoCA::S.9(0.749)
379
360
1408
385
1430
7563
4900
3675
2450
1225
0
SP.Syn.Stomach−AdenoCA::S.19(0.633)
371
378
1830
379
1095
6477
3128
2346
1564
782
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

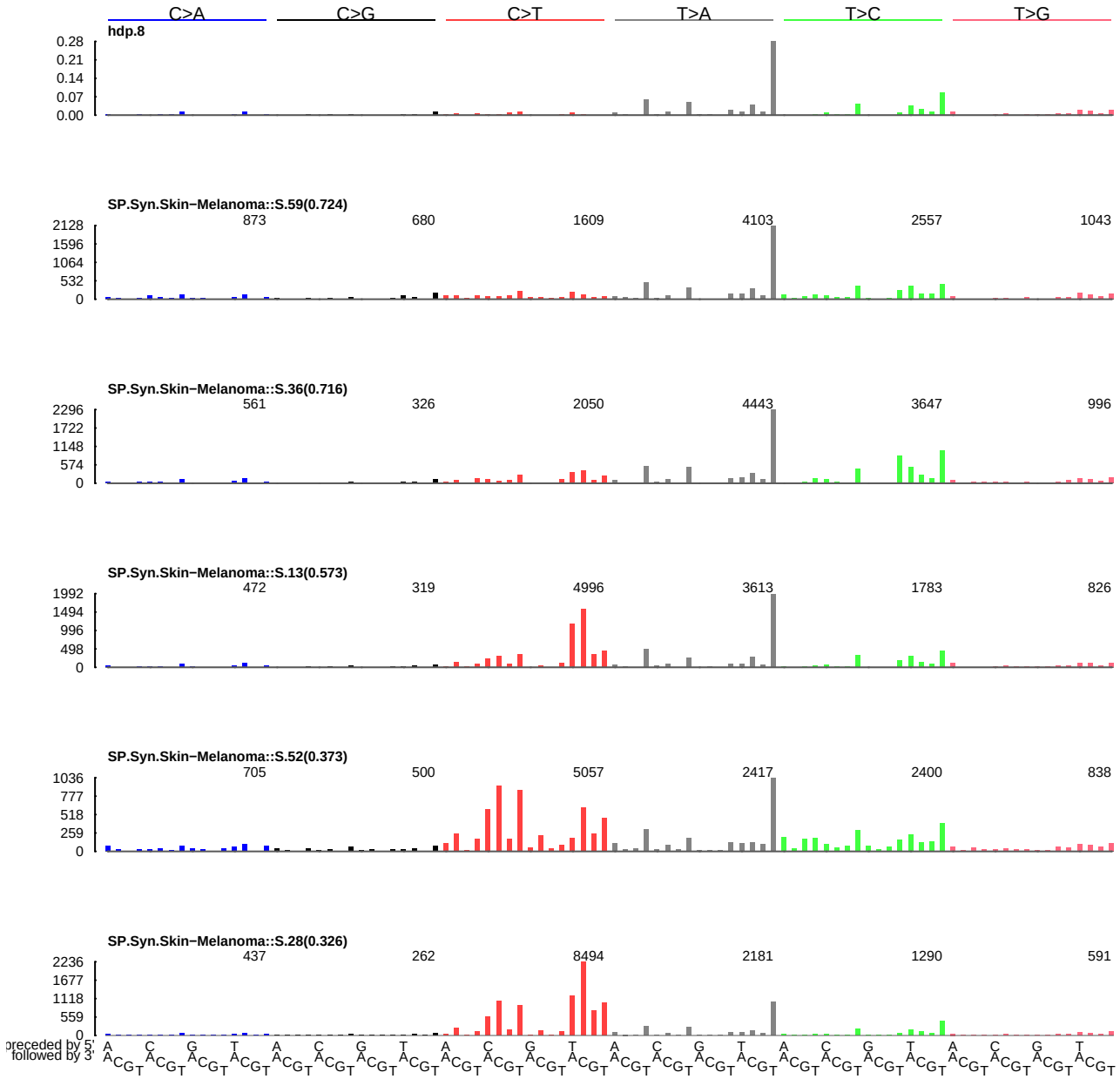

hdp.6
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1000
2000
3000
4000
5000
6000
7000
Exposure

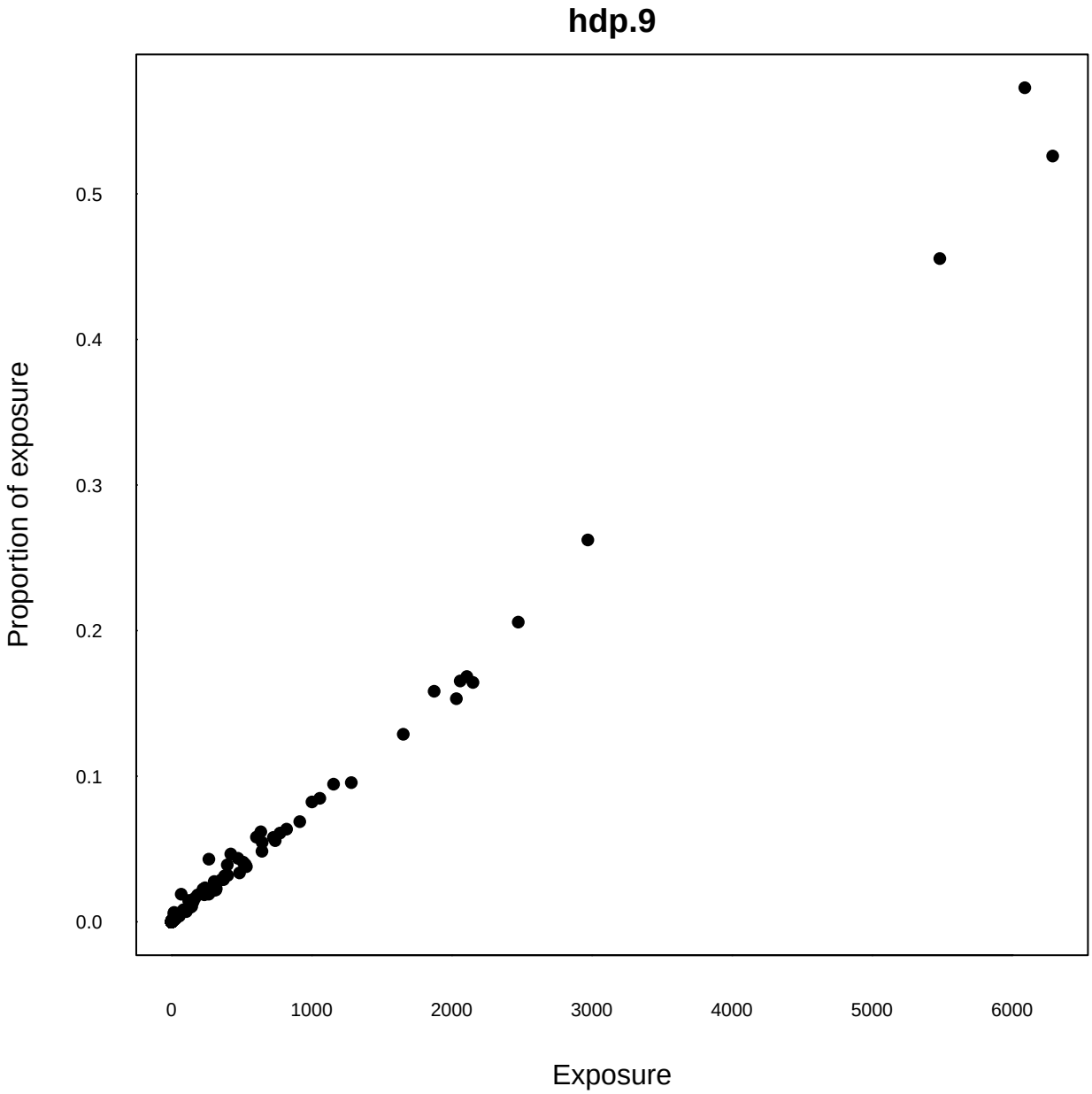

C>A
C>G
C>T
T>A
T>C
T>G
hdp.6
0.44
0.33
0.22
0.11
0.00
SP.Syn.Stomach−AdenoCA::S.59(0.64)
558
771
1223
1098
5532
1610
3156
2367
1578
789
0
SP.Syn.Stomach−AdenoCA::S.50(0.529)
1183
527
1883
1120
5416
901
2204
1653
1102
551
0
SP.Syn.Eso−AdenoCA::S.33(0.512)
761
548
2488
1073
5018
1612
2384
1788
1192
596
0
SP.Syn.Eso−AdenoCA::S.7(0.487)
612
499
1986
1017
5055
2520
2196
1647
1098
549
0
SP.Syn.Eso−AdenoCA::S.1(0.484)
958
683
1916
1196
4506
1461
1964
1473
982
491
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

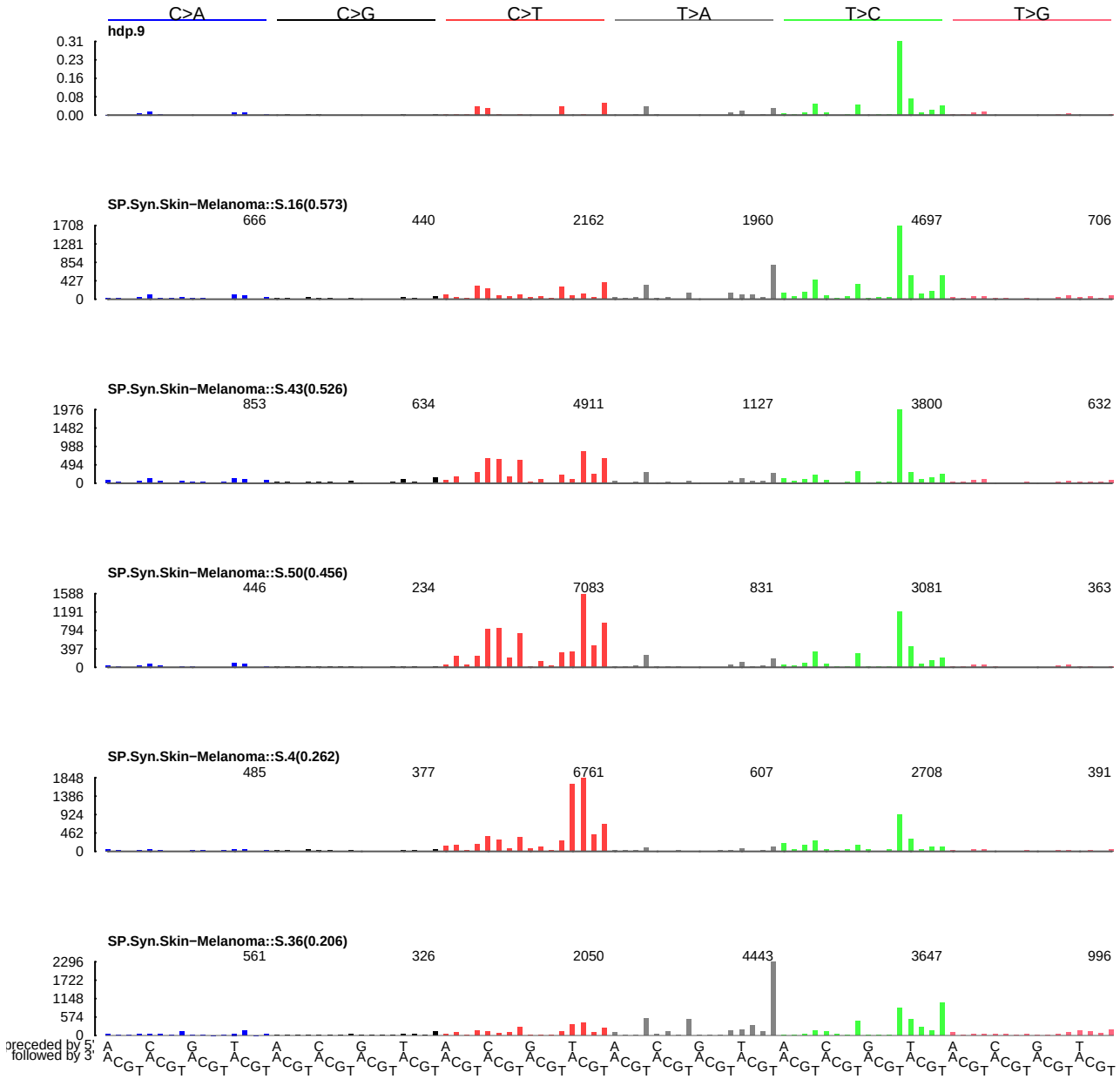

hdp.7
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
Exposure

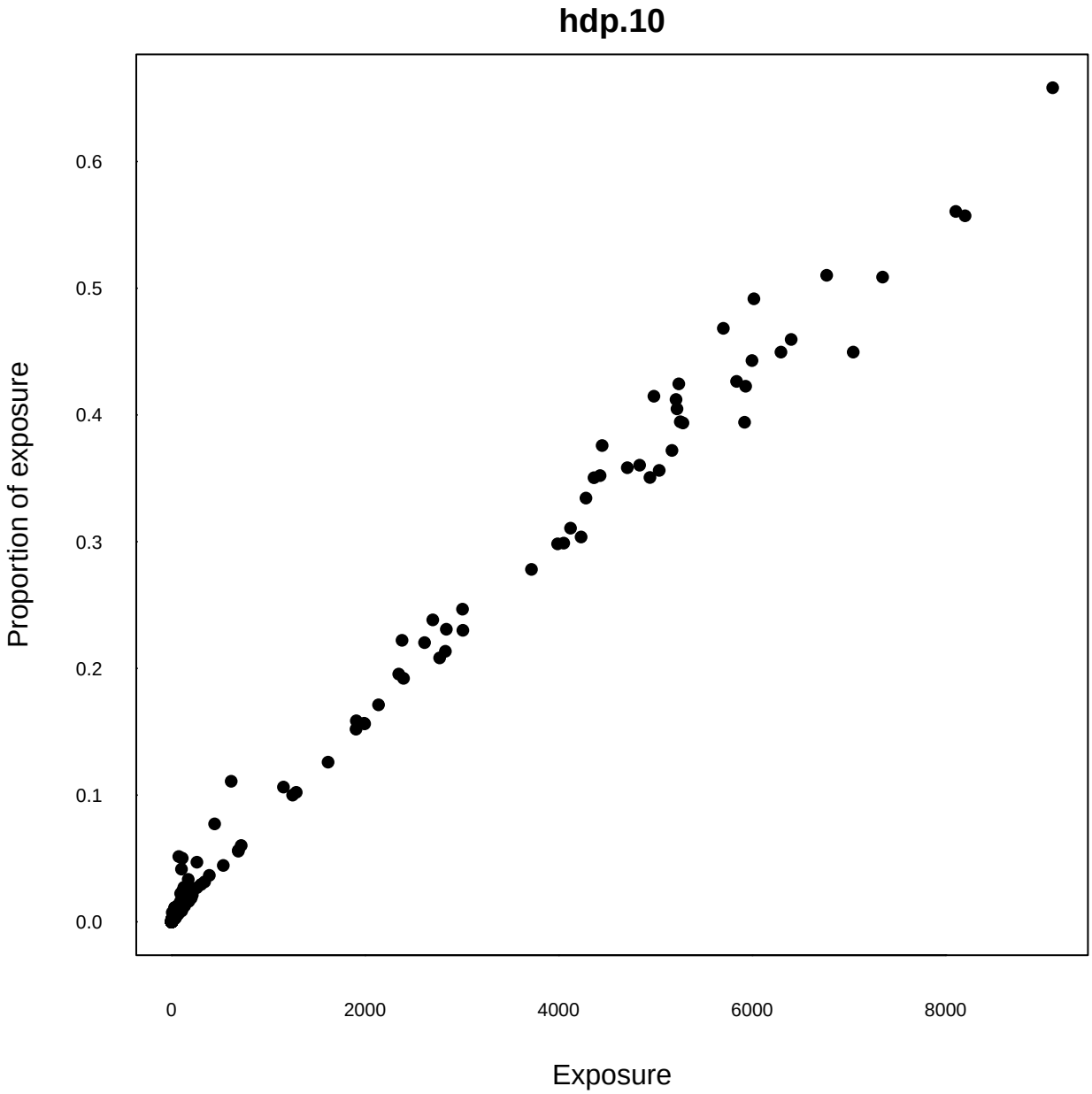

C>A
C>G
C>T
T>A
T>C
T>G
hdp.7
0.03
0.02
0.02
0.01
0.00
SP.Syn.Kidney−RCC::S.48(0.944)
1761
1146
2065
891
1371
1170
260
195
130
65
0
SP.Syn.Kidney−RCC::S.49(0.922)
572
323
659
285
372
325
92
69
46
23
0
SP.Syn.Kidney−RCC::S.29(0.919)
982
643
1406
502
822
638
164
123
82
41
0
SP.Syn.Kidney−RCC::S.37(0.907)
1667
1120
2177
849
1384
1138
276
207
138
69
0
SP.Syn.Kidney−RCC::S.9(0.9)
1445
923
1707
780
991
836
204
153
102
51
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

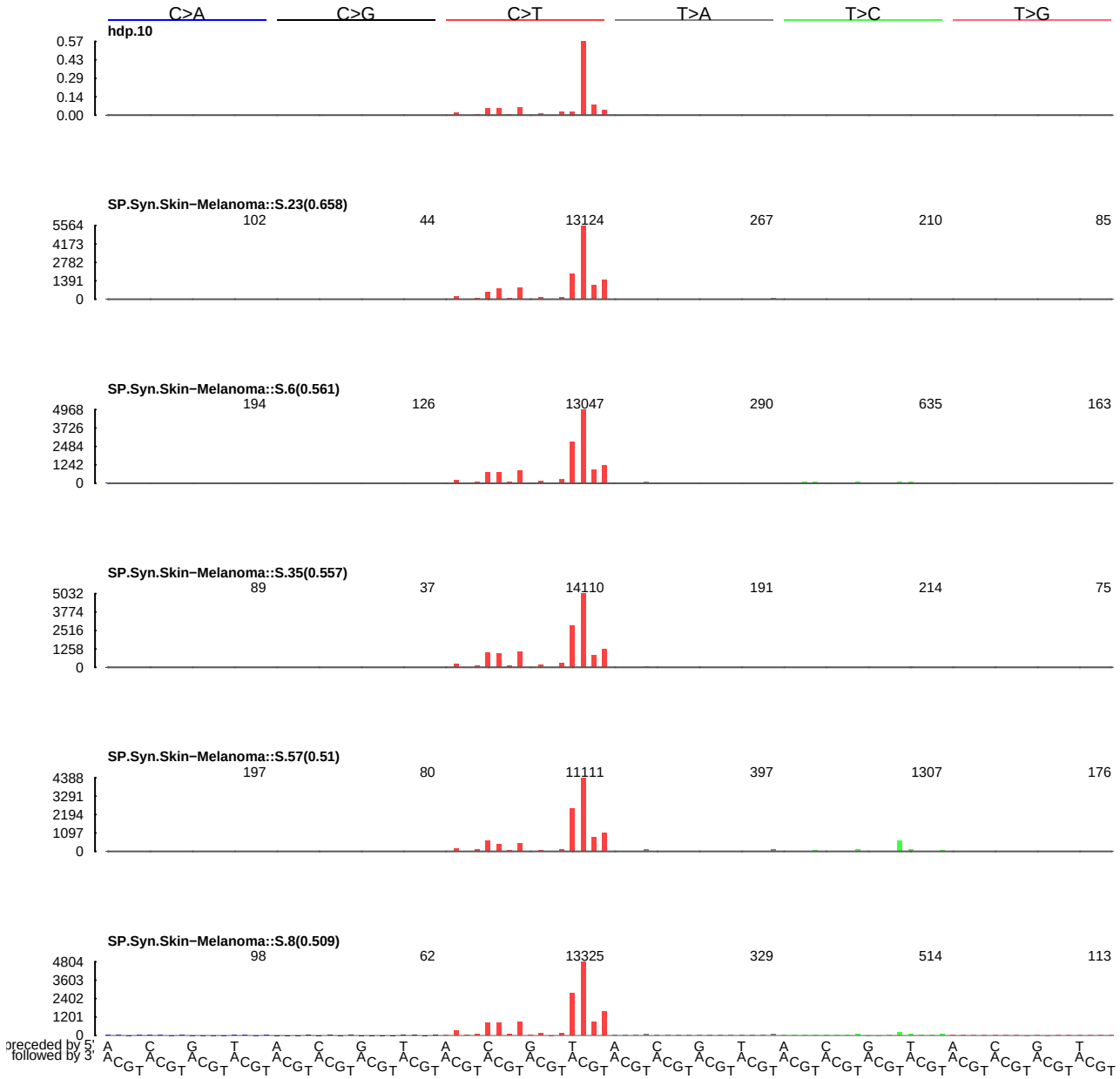

hdp.8
Proportion of exposure
0.0
0.2
0.4
0.6
0
2000
4000
6000
8000
Exposure

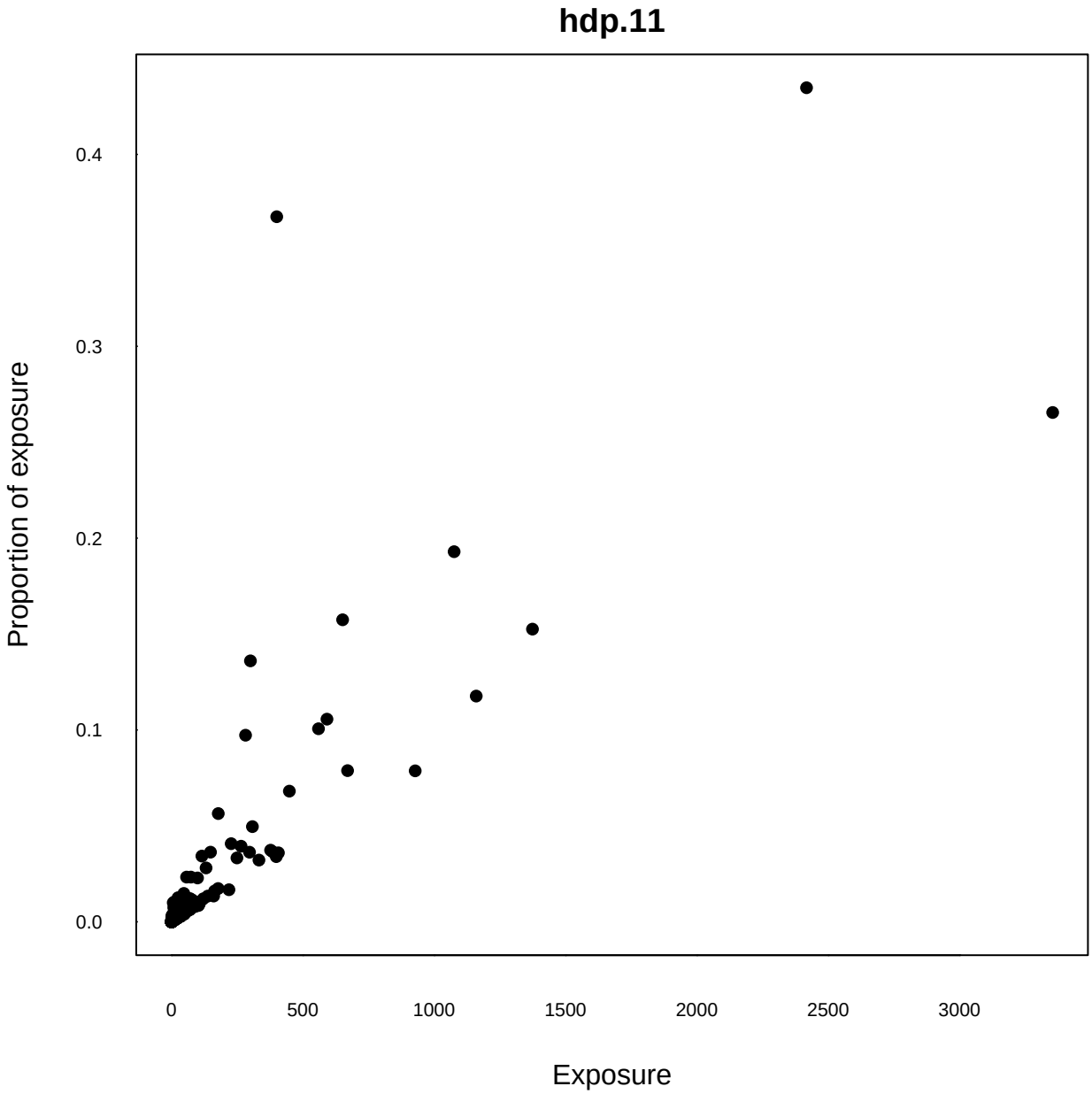

C>A
C>G
C>T
T>A
T>C
T>G
hdp.8
0.28
0.21
0.14
0.07
0.00
SP.Syn.Skin−Melanoma::S.59(0.724)
873
680
1609
4103
2557
1043
2128
1596
1064
532
0
SP.Syn.Skin−Melanoma::S.36(0.716)
561
326
2050
4443
3647
996
2296
1722
1148
574
0
SP.Syn.Skin−Melanoma::S.13(0.573)
472
319
4996
3613
1783
826
1992
1494
996
498
0
SP.Syn.Skin−Melanoma::S.52(0.373)
705
500
5057
2417
2400
838
1036
777
518
259
0
SP.Syn.Skin−Melanoma::S.28(0.326)
437
262
8494
2181
1290
591
2236
1677
1118
559
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

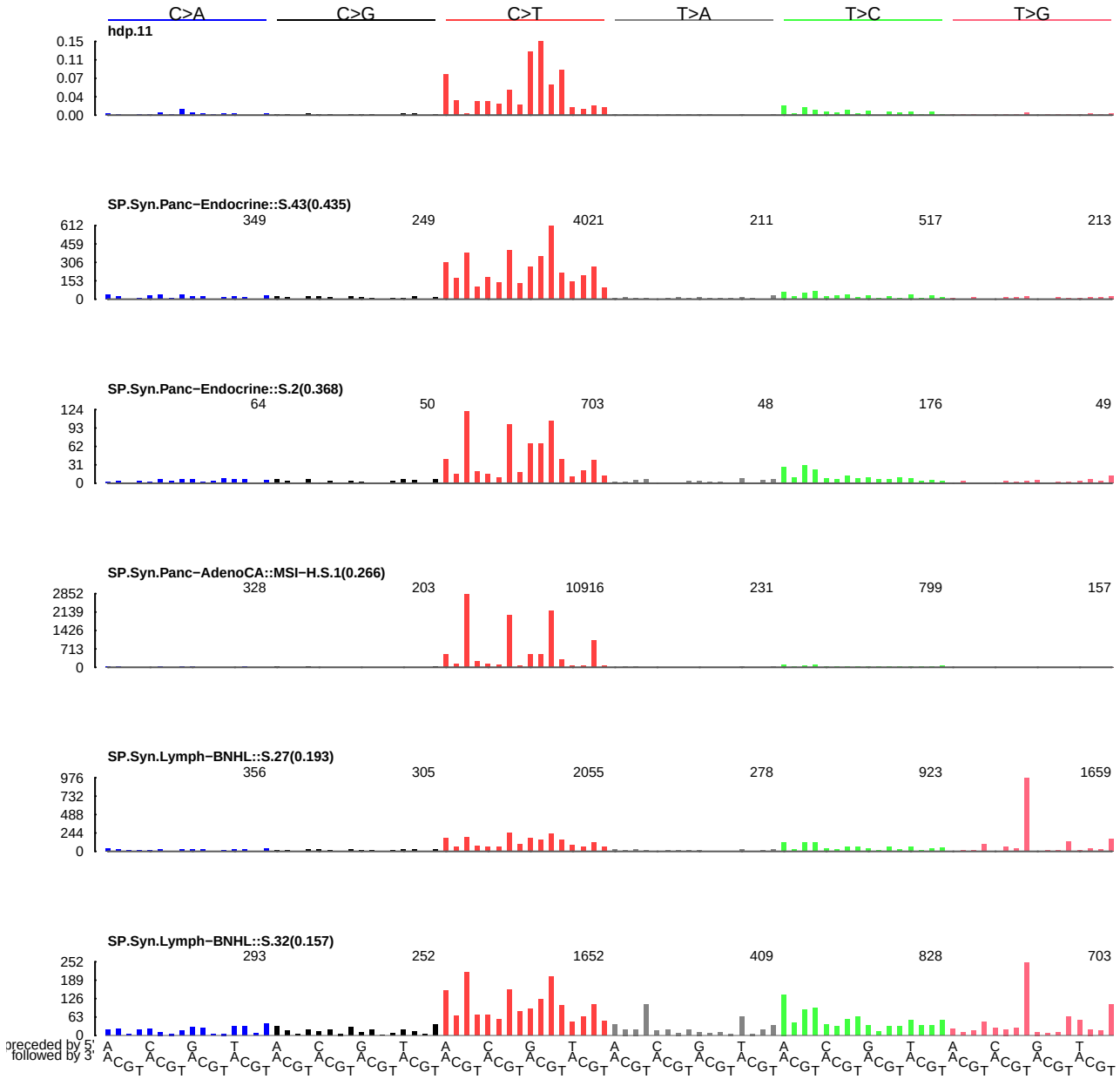

hdp.9
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
1000
2000
3000
4000
5000
6000
Exposure

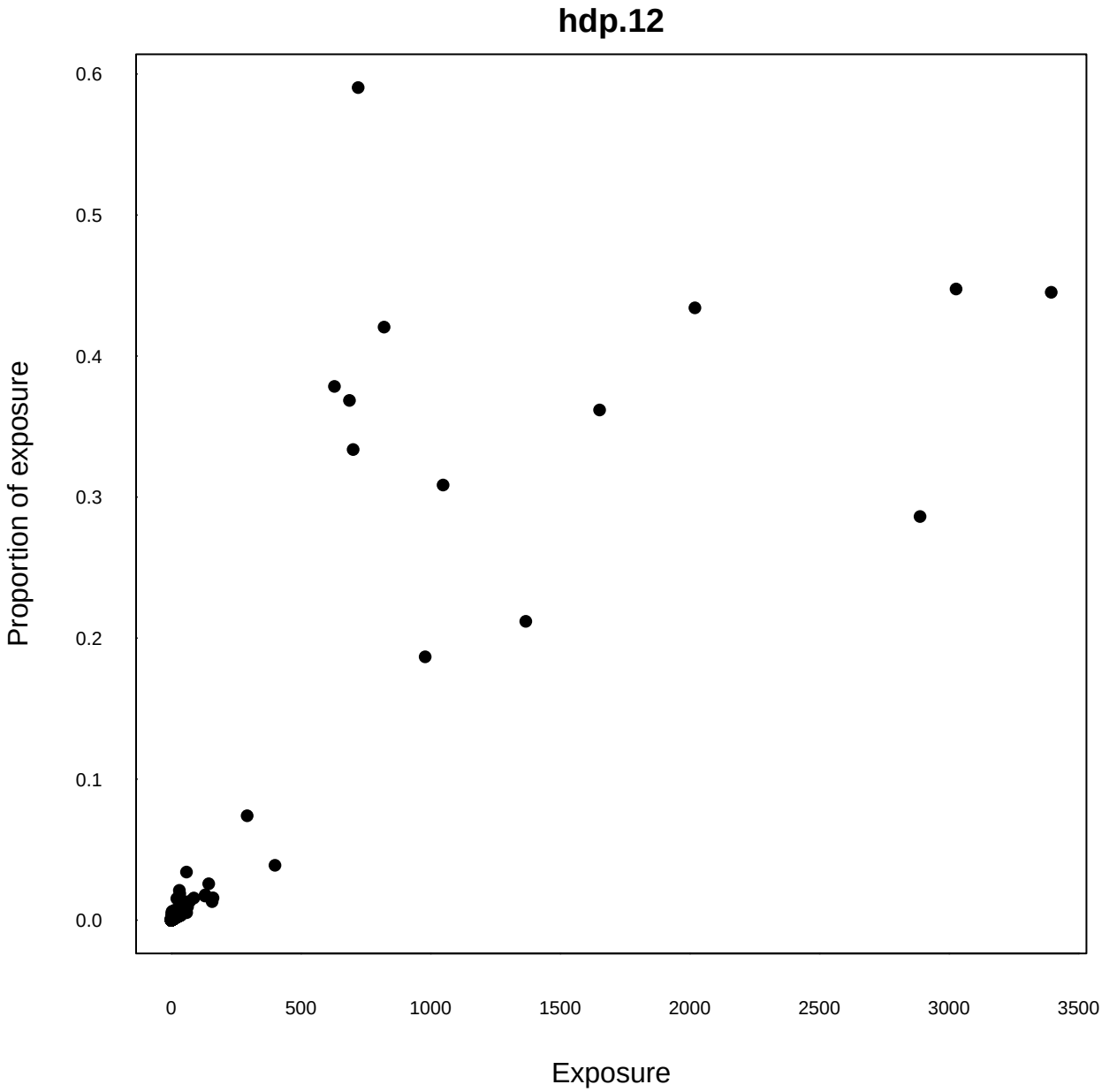

C>A
C>G
C>T
T>A
T>C
T>G
hdp.9
0.31
0.23
0.16
0.08
0.00
SP.Syn.Skin−Melanoma::S.16(0.573)
666
440
2162
1960
4697
706
1708
1281
854
427
0
SP.Syn.Skin−Melanoma::S.43(0.526)
853
634
4911
1127
3800
632
1976
1482
988
494
0
SP.Syn.Skin−Melanoma::S.50(0.456)
446
234
7083
831
3081
363
1588
1191
794
397
0
SP.Syn.Skin−Melanoma::S.4(0.262)
485
377
6761
607
2708
391
1848
1386
924
462
0
SP.Syn.Skin−Melanoma::S.36(0.206)
561
326
2050
4443
3647
996
2296
1722
1148
574
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

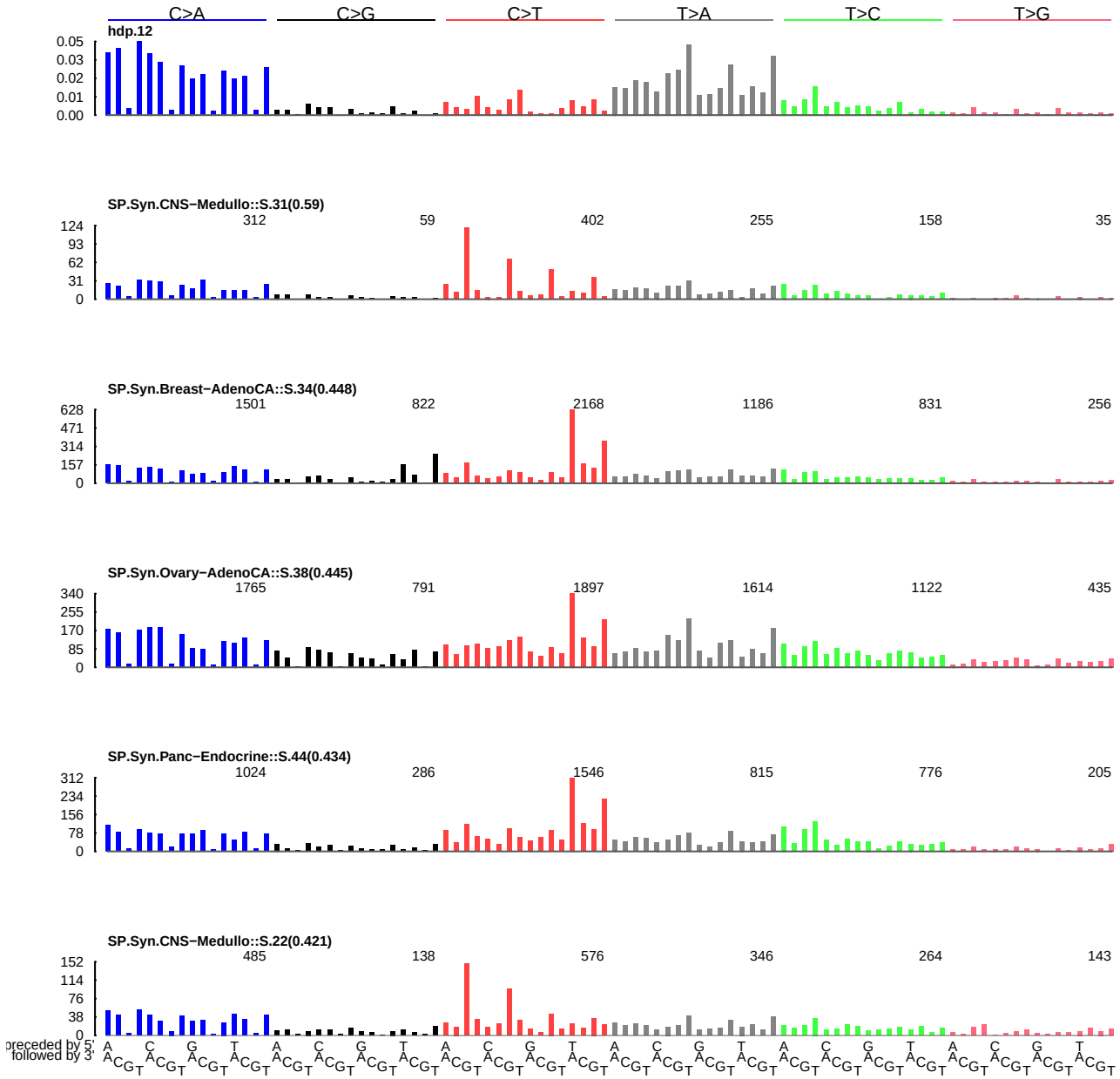

hdp.10
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
2000
4000
6000
8000
Exposure

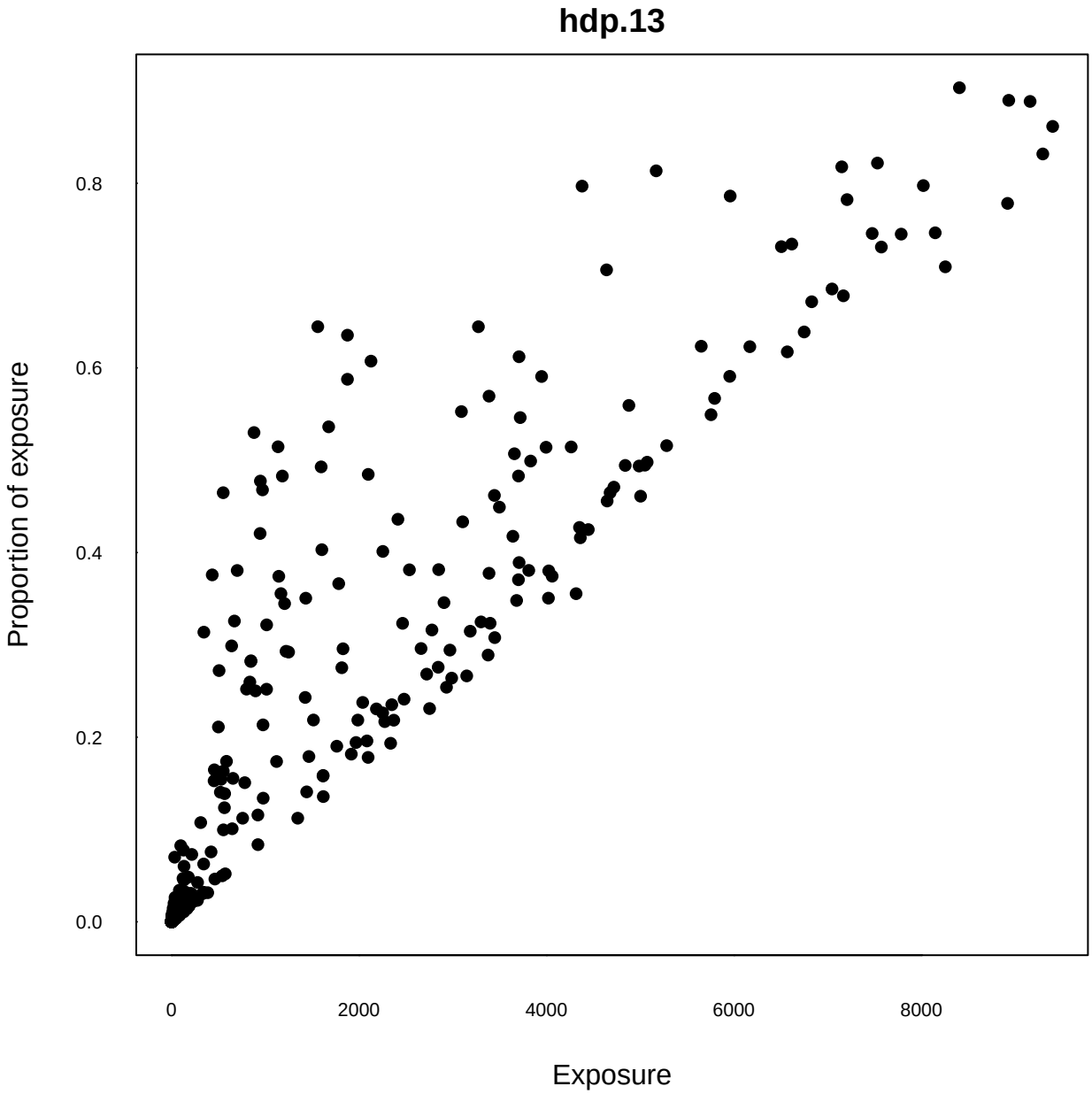

C>A
C>G
C>T
T>A
T>C
T>G
hdp.10
0.57
0.43
0.29
0.14
0.00
SP.Syn.Skin−Melanoma::S.23(0.658)
102
44
13124
267
210
85
5564
4173
2782
1391
0
SP.Syn.Skin−Melanoma::S.6(0.561)
194
126
13047
290
635
163
4968
3726
2484
1242
0
SP.Syn.Skin−Melanoma::S.35(0.557)
89
37
14110
191
214
75
5032
3774
2516
1258
0
SP.Syn.Skin−Melanoma::S.57(0.51)
197
80
11111
397
1307
176
4388
3291
2194
1097
0
SP.Syn.Skin−Melanoma::S.8(0.509)
98
62
13325
329
514
113
4804
3603
2402
1201
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

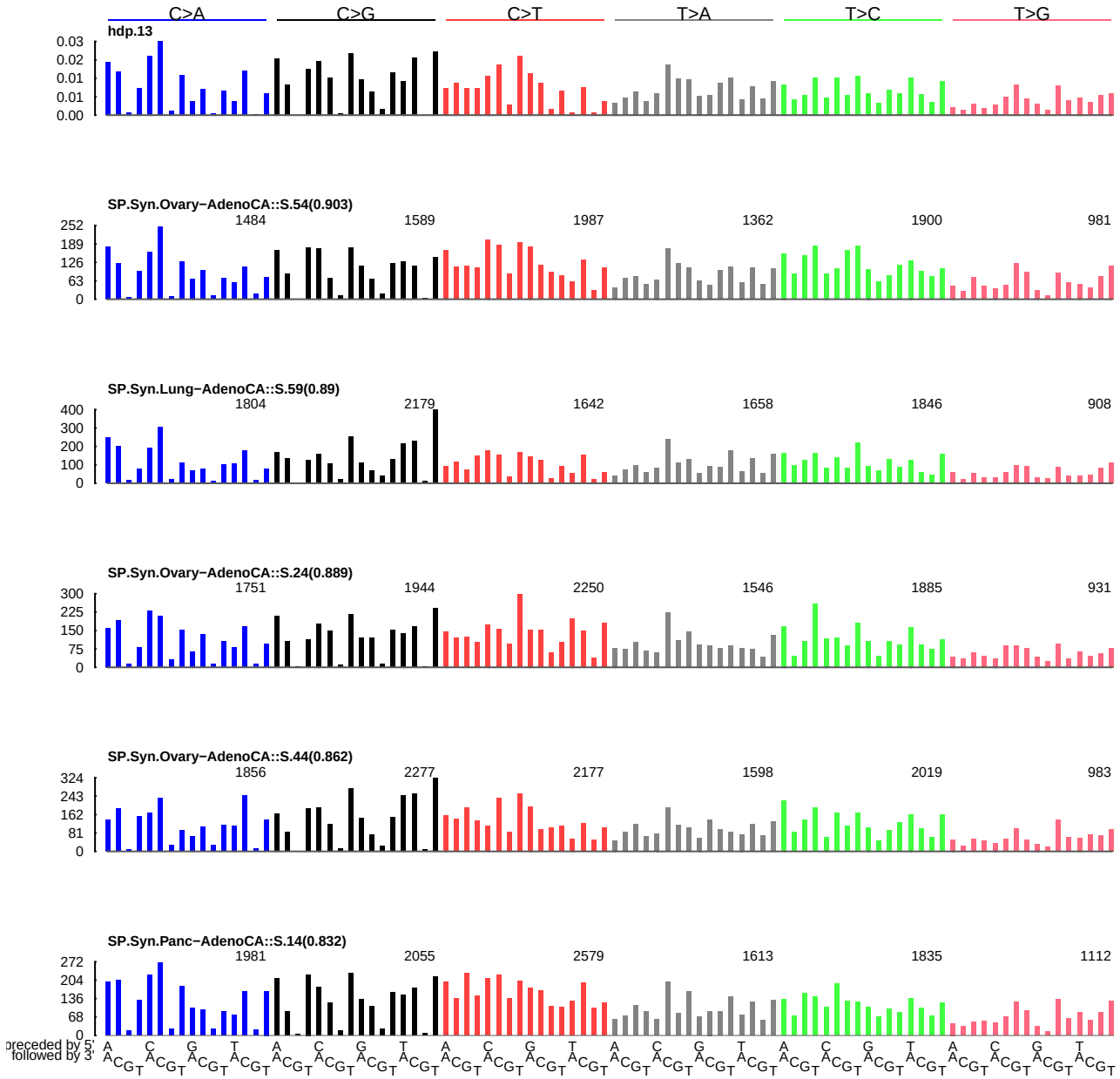

hdp.11
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0
500
1000
1500
2000
2500
3000
Exposure

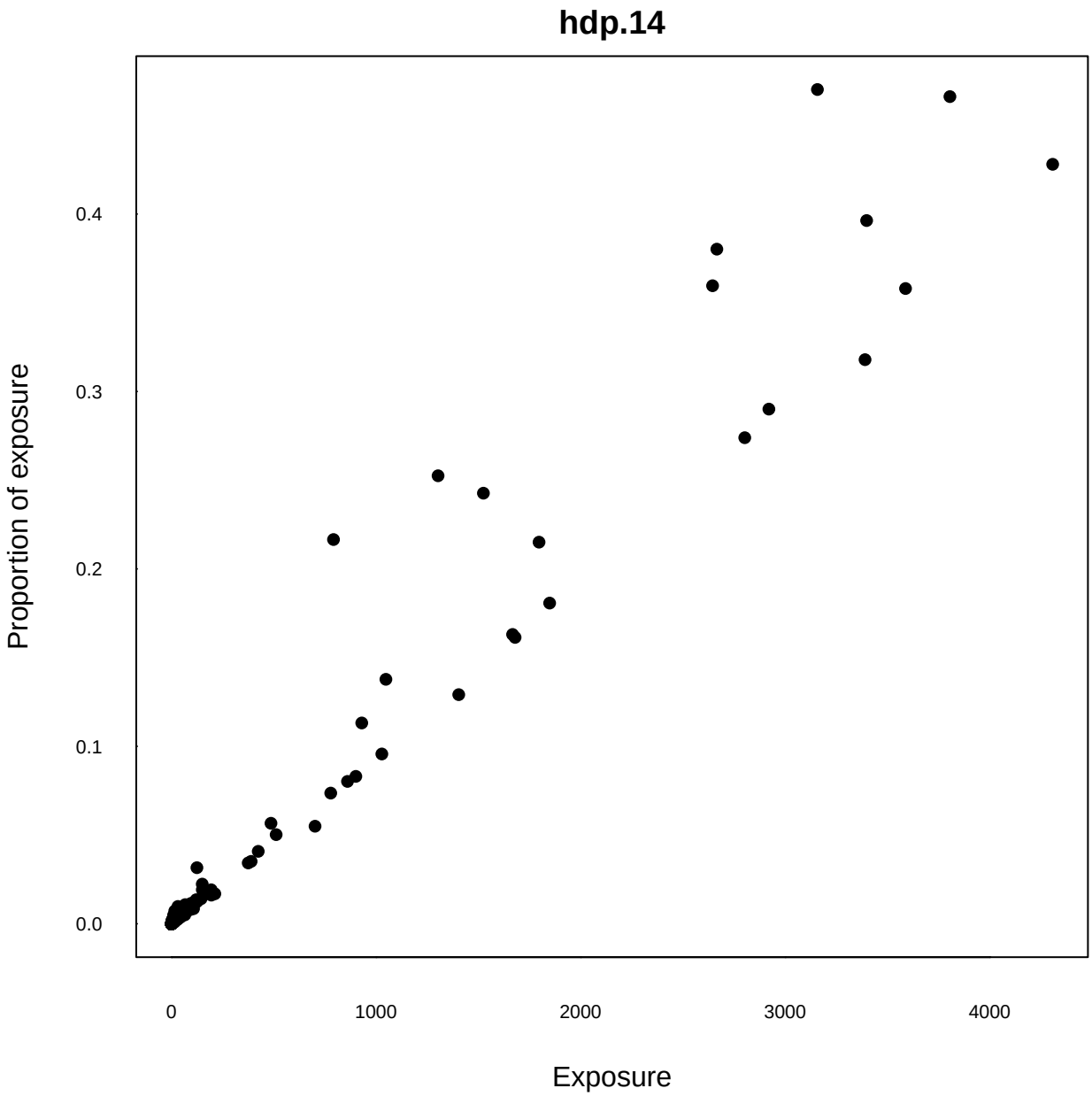

C>A
C>G
C>T
T>A
T>C
T>G
hdp.11
0.15
0.11
0.07
0.04
0.00
SP.Syn.Panc−Endocrine::S.43(0.435)
349
249
4021
211
517
213
612
459
306
153
0
SP.Syn.Panc−Endocrine::S.2(0.368)
64
50
703
48
176
49
124
93
62
31
0
SP.Syn.Panc−AdenoCA::MSI−H.S.1(0.266)
328
203
10916
231
799
157
2852
2139
1426
713
0
SP.Syn.Lymph−BNHL::S.27(0.193)
356
305
2055
278
923
1659
976
732
488
244
0
SP.Syn.Lymph−BNHL::S.32(0.157)
293
252
1652
409
828
703
252
189
126
63
0
preceded by 5'
followed by 3'

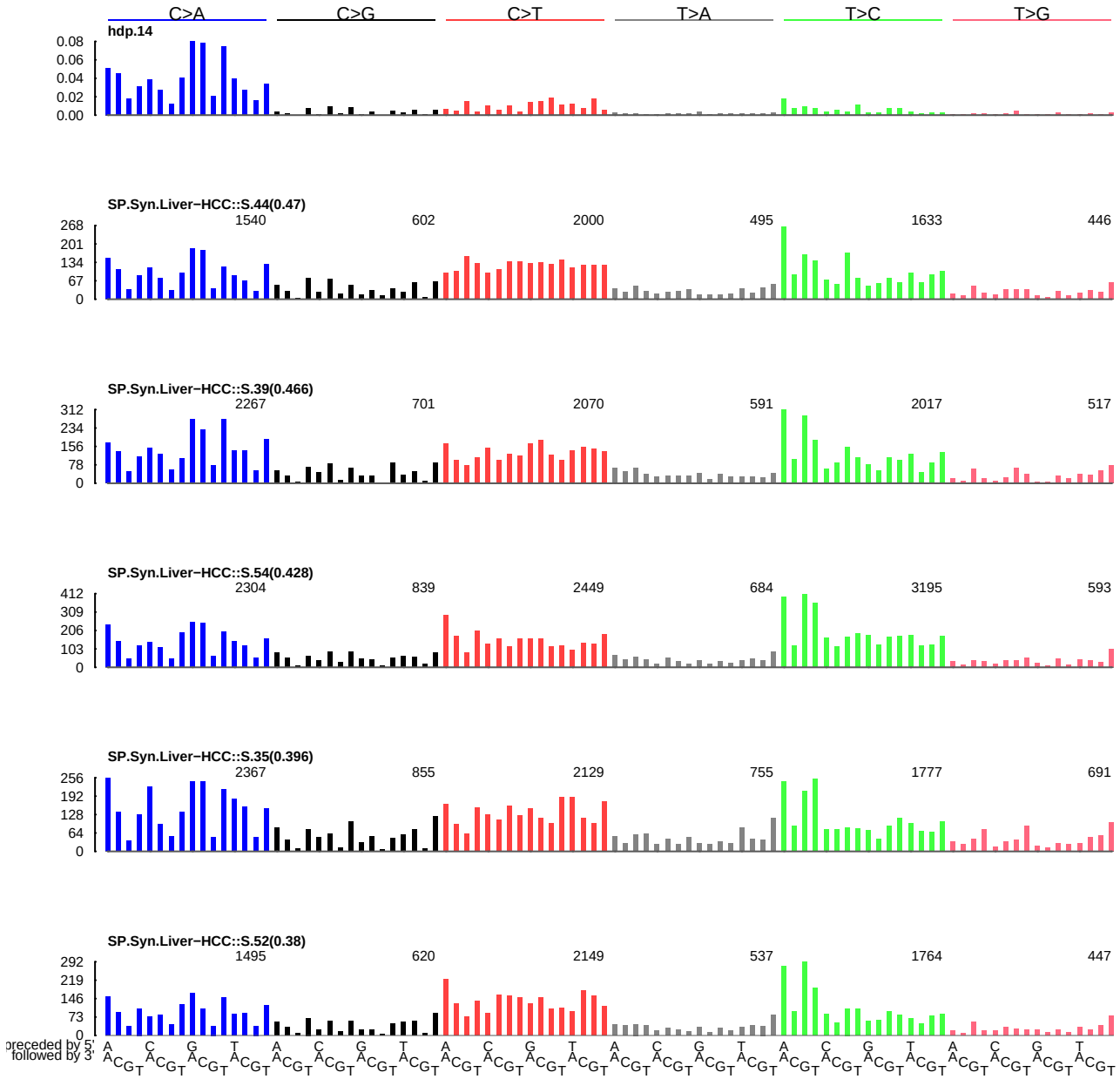

hdp.12
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
2500
3000
3500
Exposure

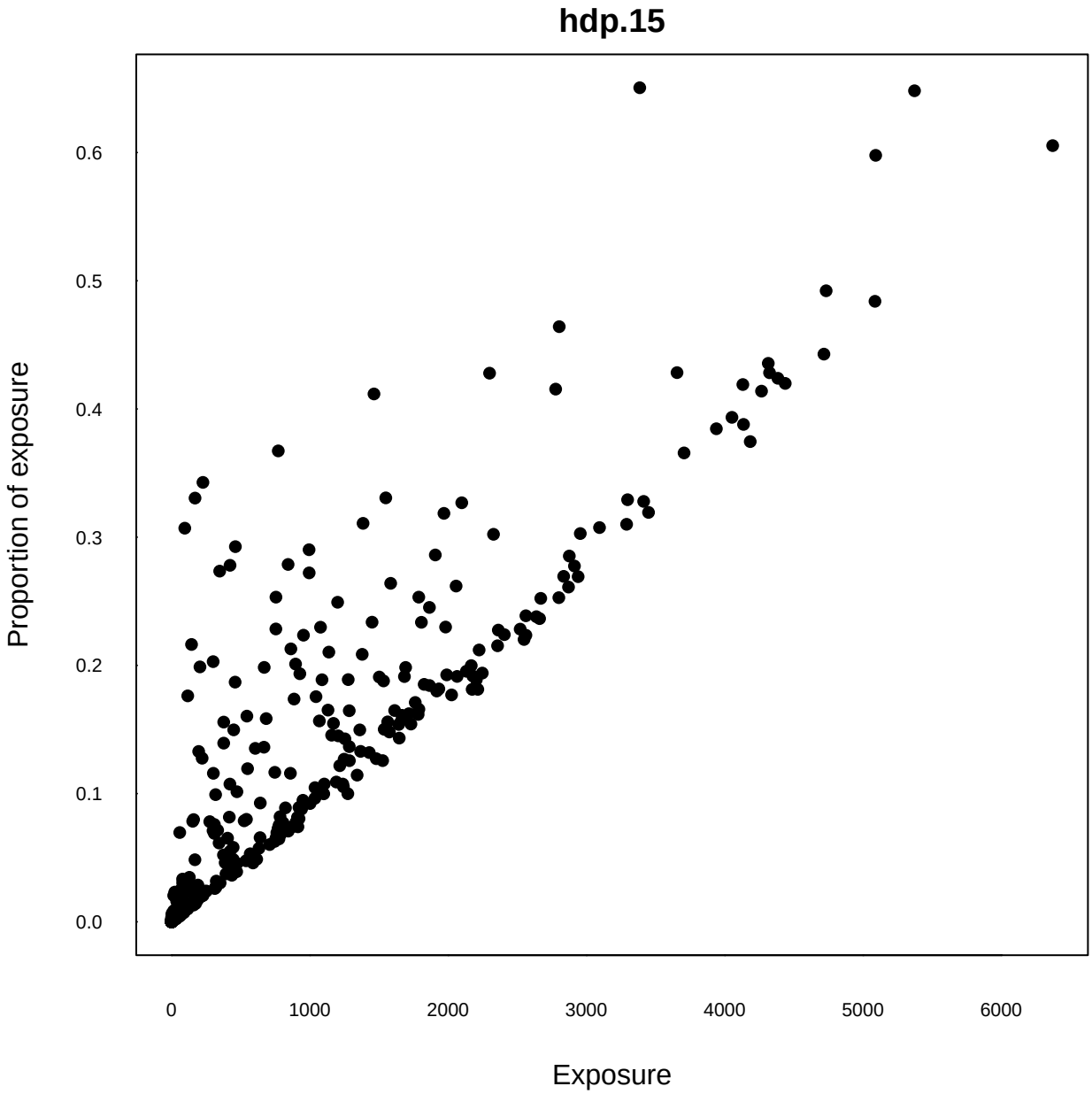

C>A
C>G
C>T
T>A
T>C
T>G
hdp.12
0.05
0.03
0.02
0.01
0.00
SP.Syn.CNS−Medullo::S.31(0.59)
312
59
402
255
158
35
124
93
62
31
0
SP.Syn.Breast−AdenoCA::S.34(0.448)
1501
822
2168
1186
831
256
628
471
314
157
0
SP.Syn.Ovary−AdenoCA::S.38(0.445)
1765
791
1897
1614
1122
435
340
255
170
85
0
SP.Syn.Panc−Endocrine::S.44(0.434)
1024
286
1546
815
776
205
312
234
156
78
0
SP.Syn.CNS−Medullo::S.22(0.421)
485
138
576
346
264
143
152
114
76
38
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

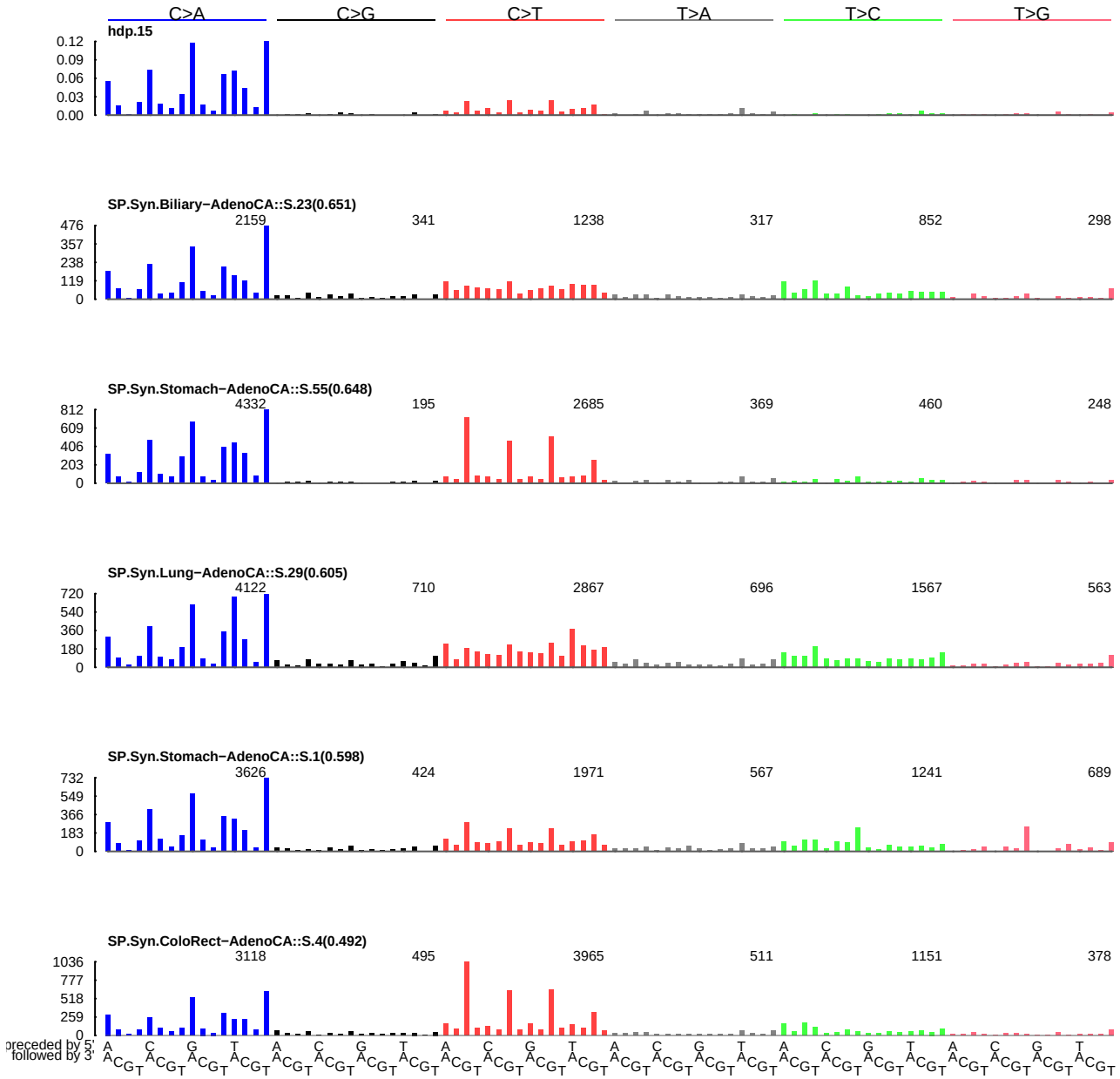

hdp.13
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
Exposure

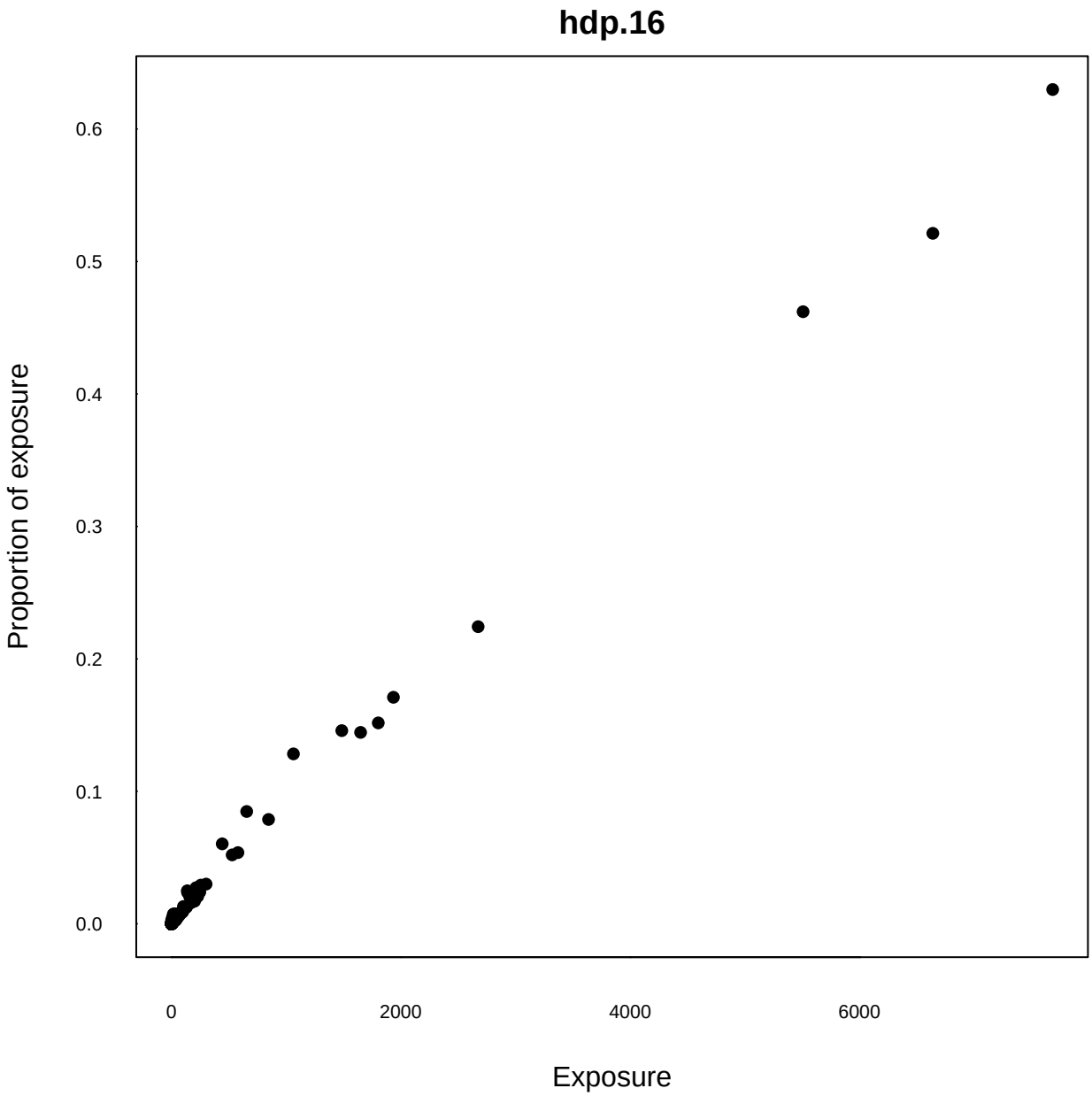

C>A
C>G
C>T
T>A
T>C
T>G
hdp.13
0.03
0.02
0.01
0.01
0.00
SP.Syn.Ovary−AdenoCA::S.54(0.903)
1484
1589
1987
1362
1900
981
252
189
126
63
0
SP.Syn.Lung−AdenoCA::S.59(0.89)
1804
2179
1642
1658
1846
908
400
300
200
100
0
SP.Syn.Ovary−AdenoCA::S.24(0.889)
1751
1944
2250
1546
1885
931
300
225
150
75
0
SP.Syn.Ovary−AdenoCA::S.44(0.862)
1856
2277
2177
1598
2019
983
324
243
162
81
0
SP.Syn.Panc−AdenoCA::S.14(0.832)
1981
2055
2579
1613
1835
1112
272
204
136
68
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

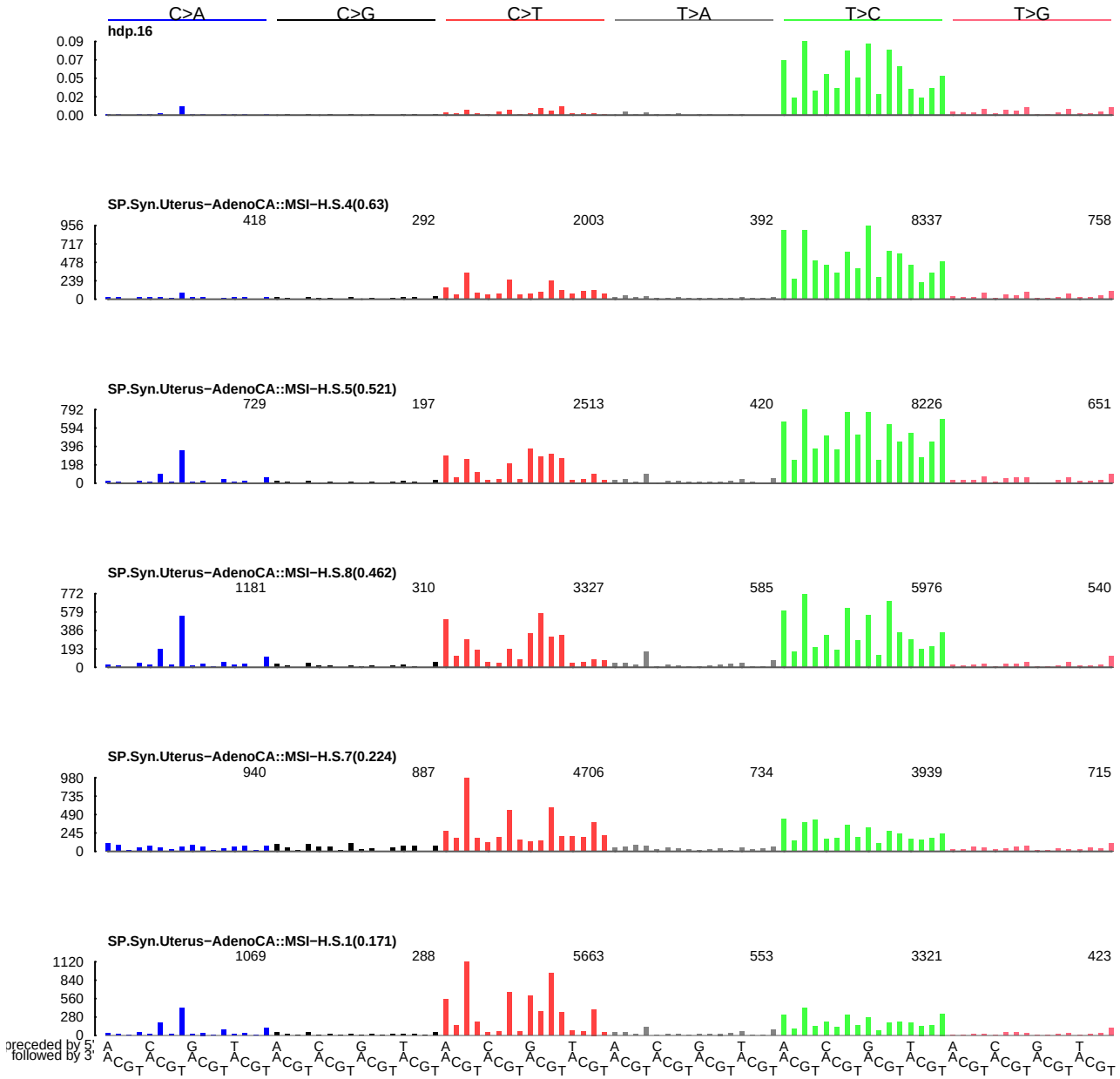

hdp.14
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0
1000
2000
3000
4000
Exposure

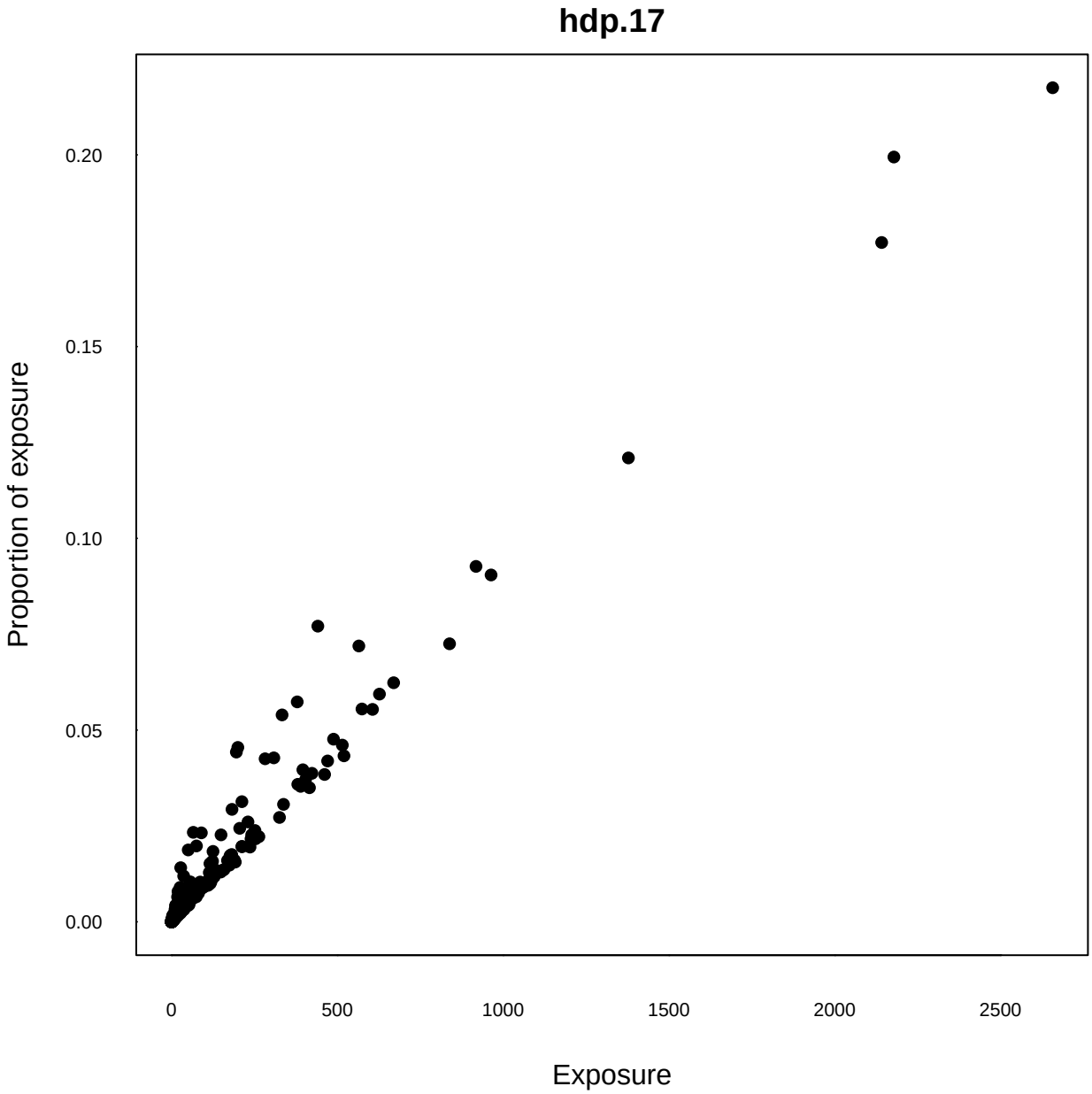

C>A
C>G
C>T
T>A
T>C
T>G
hdp.14
0.08
0.06
0.04
0.02
0.00
SP.Syn.Liver−HCC::S.44(0.47)
1540
602
2000
495
1633
446
268
201
134
67
0
SP.Syn.Liver−HCC::S.39(0.466)
2267
701
2070
591
2017
517
312
234
156
78
0
SP.Syn.Liver−HCC::S.54(0.428)
2304
839
2449
684
3195
593
412
309
206
103
0
SP.Syn.Liver−HCC::S.35(0.396)
2367
855
2129
755
1777
691
256
192
128
64
0
SP.Syn.Liver−HCC::S.52(0.38)
1495
620
2149
537
1764
447
292
219
146
73
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

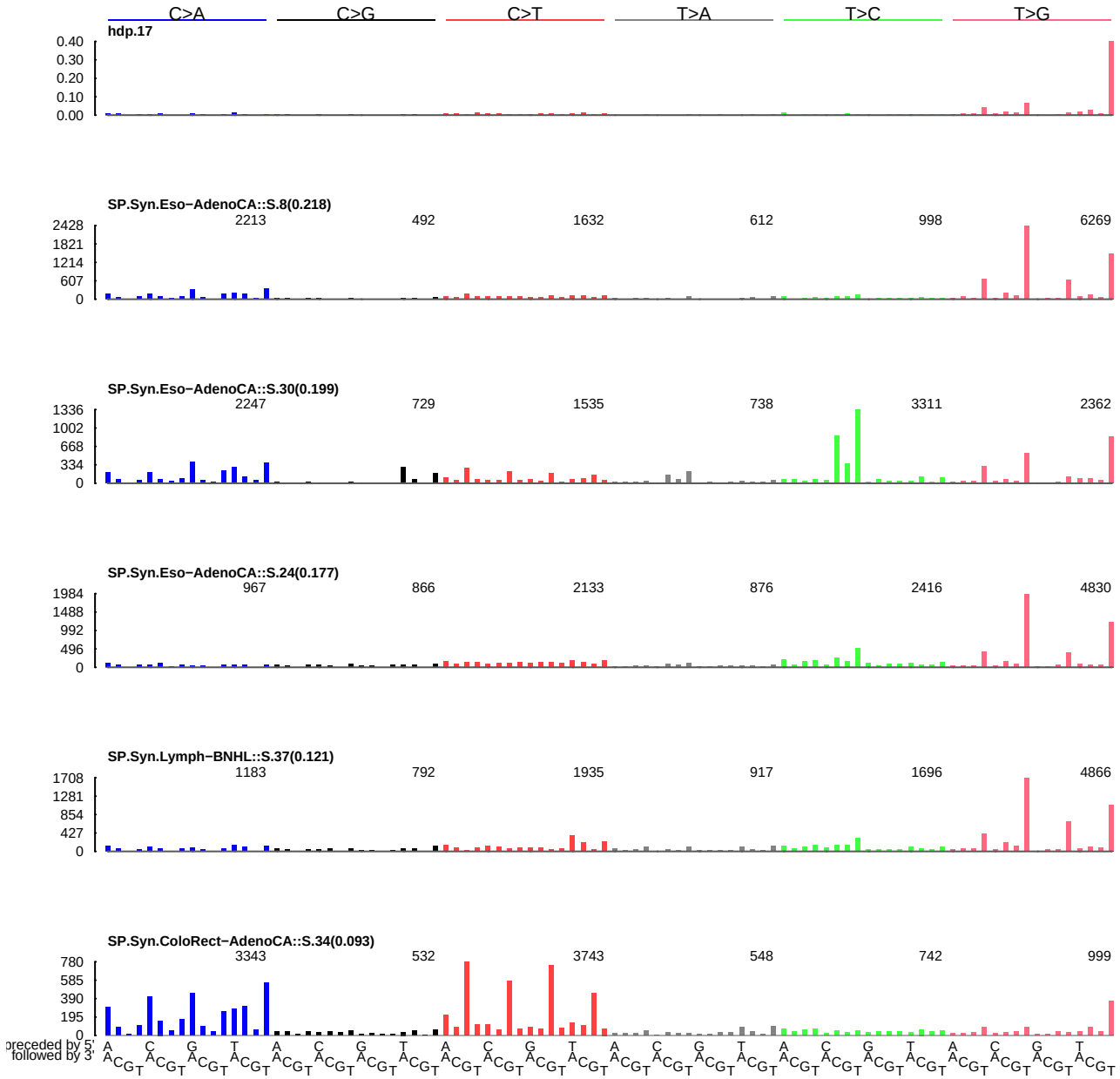

hdp.15
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1000
2000
3000
4000
5000
6000
Exposure

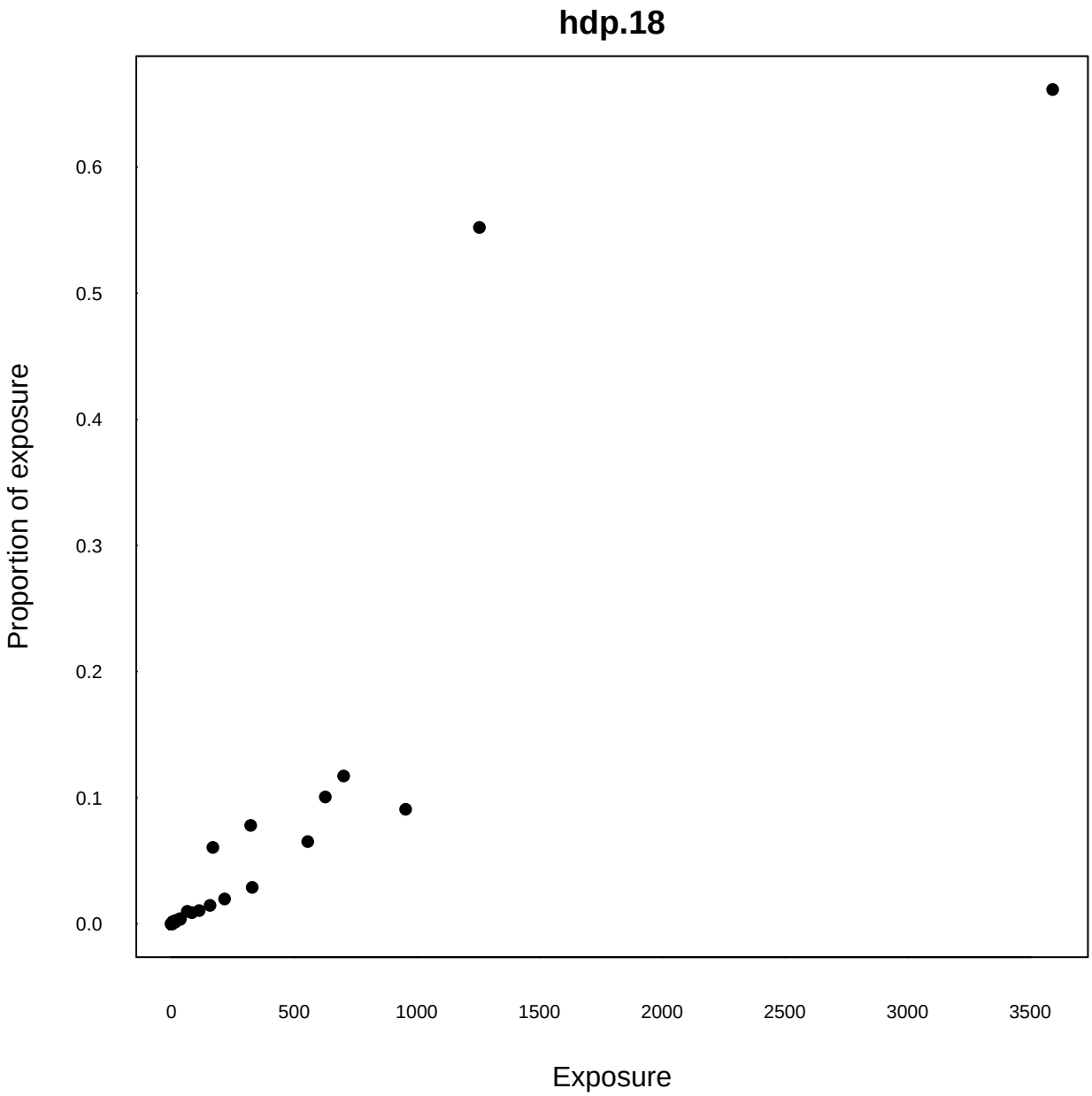

C>A
C>G
C>T
T>A
T>C
T>G
hdp.15
0.12
0.09
0.06
0.03
0.00
SP.Syn.Biliary−AdenoCA::S.23(0.651)
2159
341
1238
317
852
298
476
357
238
119
0
SP.Syn.Stomach−AdenoCA::S.55(0.648)
4332
195
2685
369
460
248
812
609
406
203
0
SP.Syn.Lung−AdenoCA::S.29(0.605)
4122
710
2867
696
1567
563
720
540
360
180
0
SP.Syn.Stomach−AdenoCA::S.1(0.598)
3626
424
1971
567
1241
689
732
549
366
183
0
SP.Syn.ColoRect−AdenoCA::S.4(0.492)
3118
495
3965
511
1151
378
1036
777
518
259
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

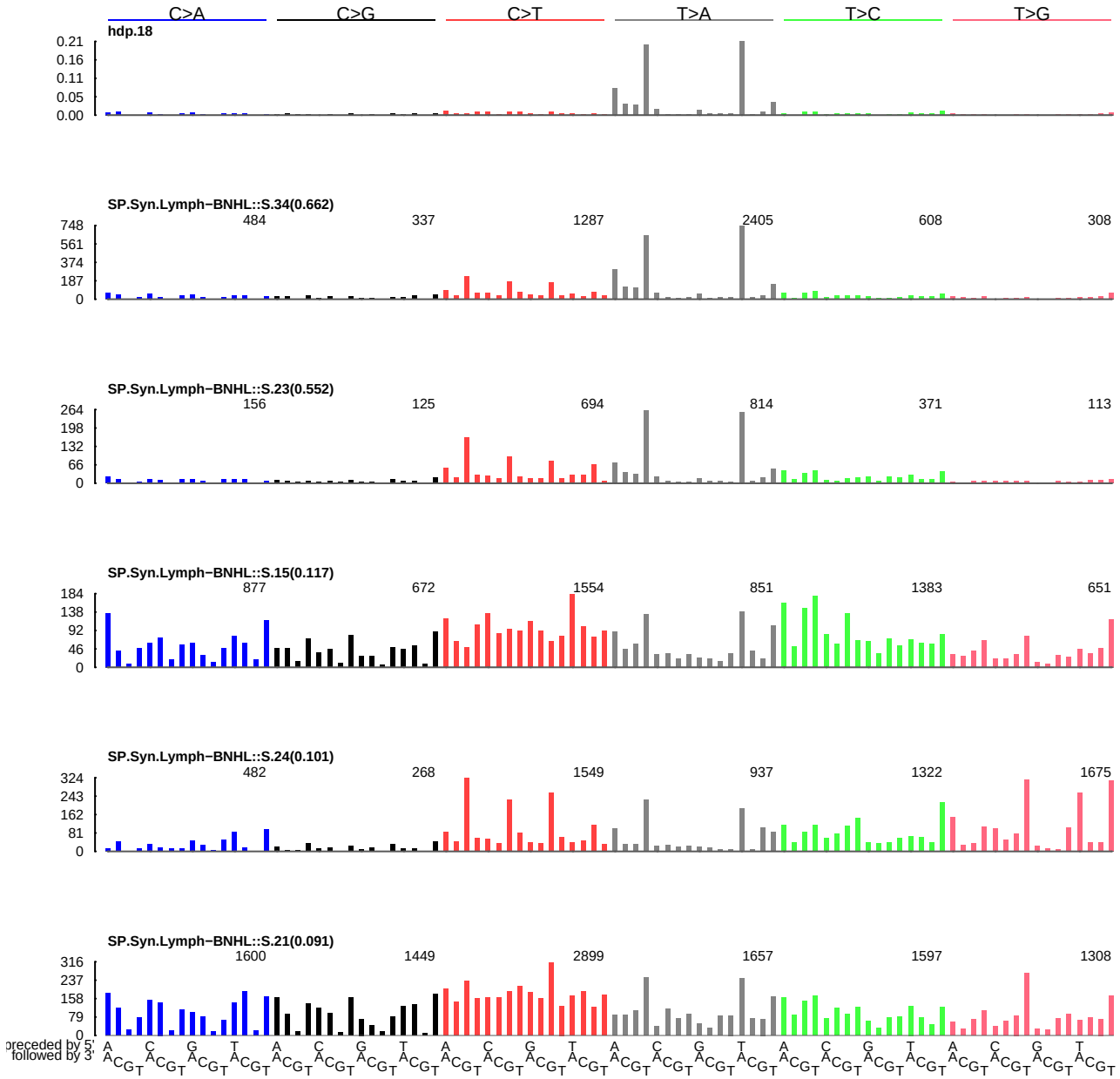

hdp.16
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
2000
4000
6000
Exposure

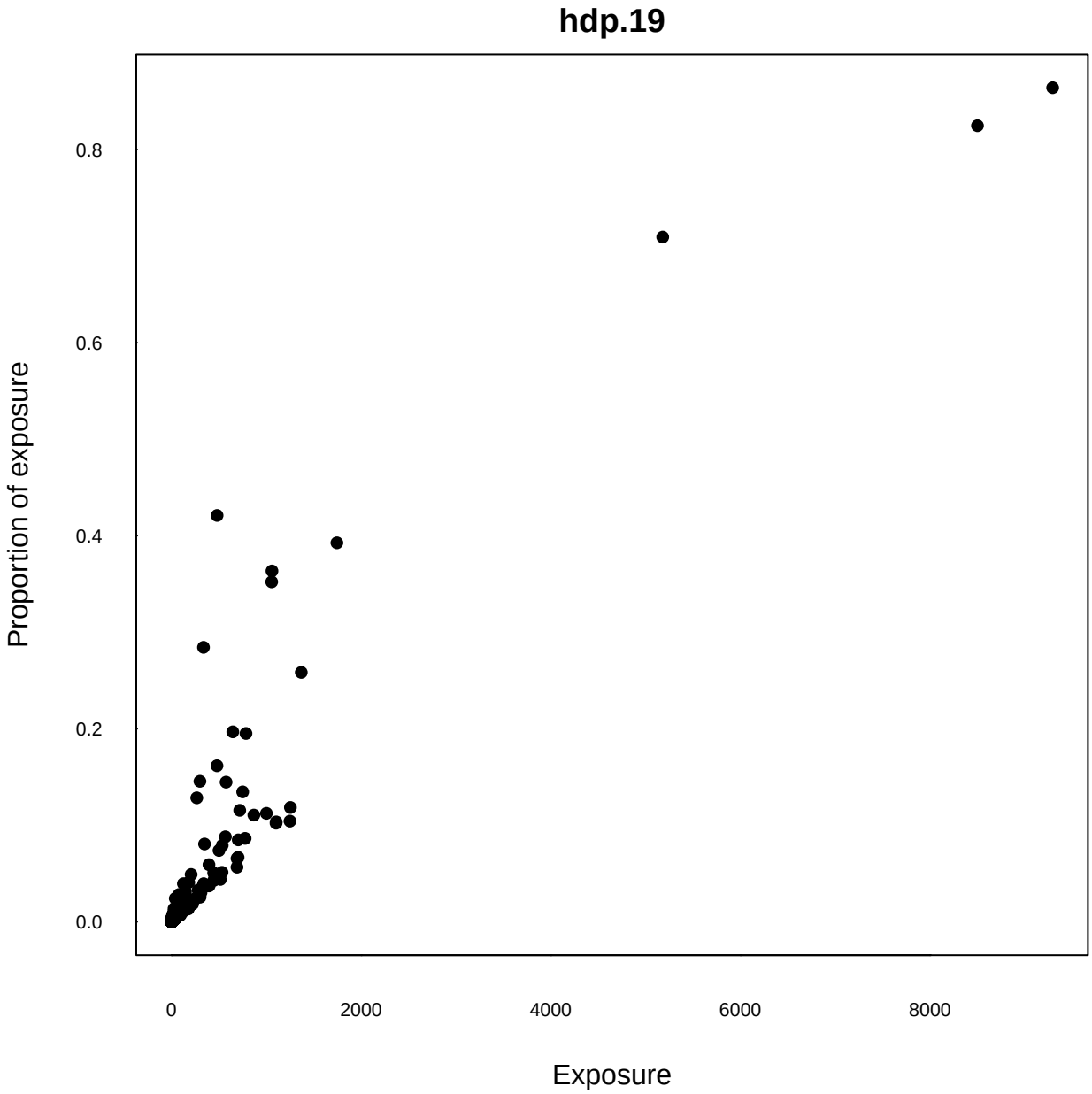

C>A
C>G
C>T
T>A
T>C
T>G
hdp.16
0.09
0.07
0.05
0.02
0.00
SP.Syn.Uterus−AdenoCA::MSI−H.S.4(0.63)
418
292
2003
392
8337
758
956
717
478
239
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.5(0.521)
729
197
2513
420
8226
651
792
594
396
198
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.8(0.462)
1181
310
3327
585
5976
540
772
579
386
193
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.7(0.224)
940
887
4706
734
3939
715
980
735
490
245
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.1(0.171)
1069
288
5663
553
3321
423
1120
840
560
280
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

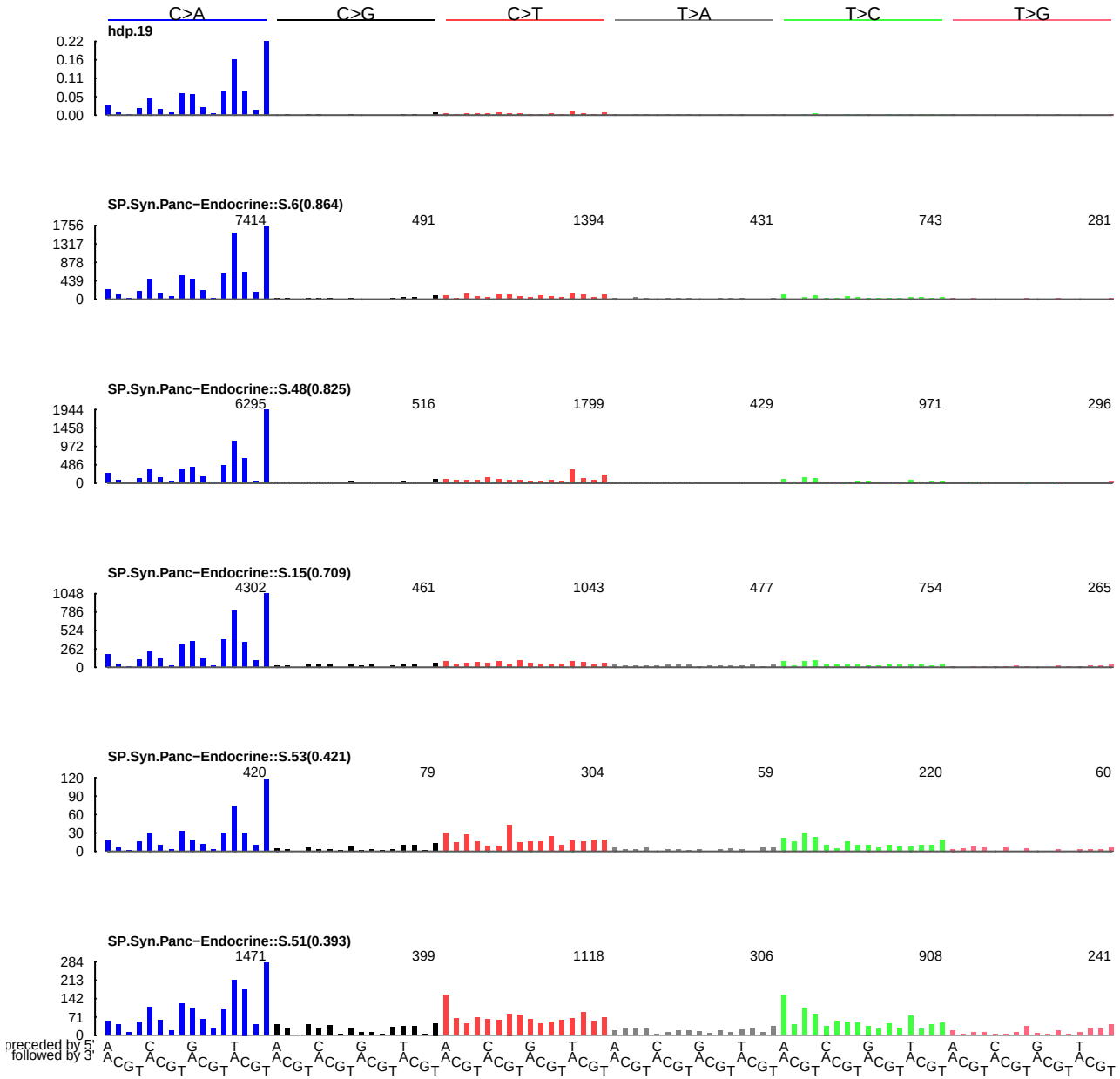

hdp.17
Proportion of exposure
0.00
0.05
0.10
0.15
0.20
0
500
1000
1500
2000
2500
Exposure

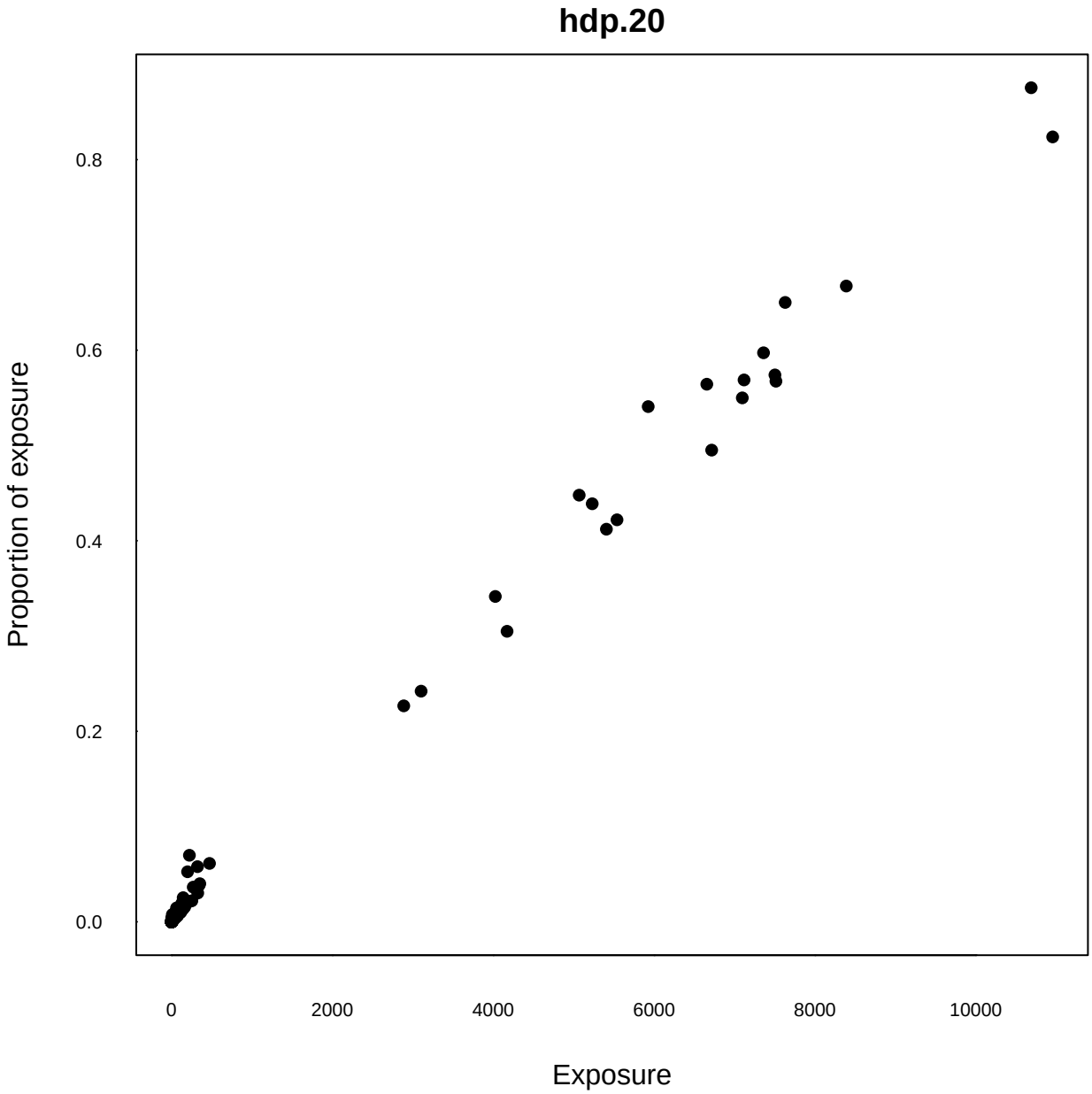

C>A
C>G
C>T
T>A
T>C
T>G
hdp.17
0.40
0.30
0.20
0.10
0.00
SP.Syn.Eso−AdenoCA::S.8(0.218)
2213
492
1632
612
998
6269
2428
1821
1214
607
0
SP.Syn.Eso−AdenoCA::S.30(0.199)
2247
729
1535
738
3311
2362
1336
1002
668
334
0
SP.Syn.Eso−AdenoCA::S.24(0.177)
967
866
2133
876
2416
4830
1984
1488
992
496
0
SP.Syn.Lymph−BNHL::S.37(0.121)
1183
792
1935
917
1696
4866
1708
1281
854
427
0
SP.Syn.ColoRect−AdenoCA::S.34(0.093)
3343
532
3743
548
742
999
780
585
390
195
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

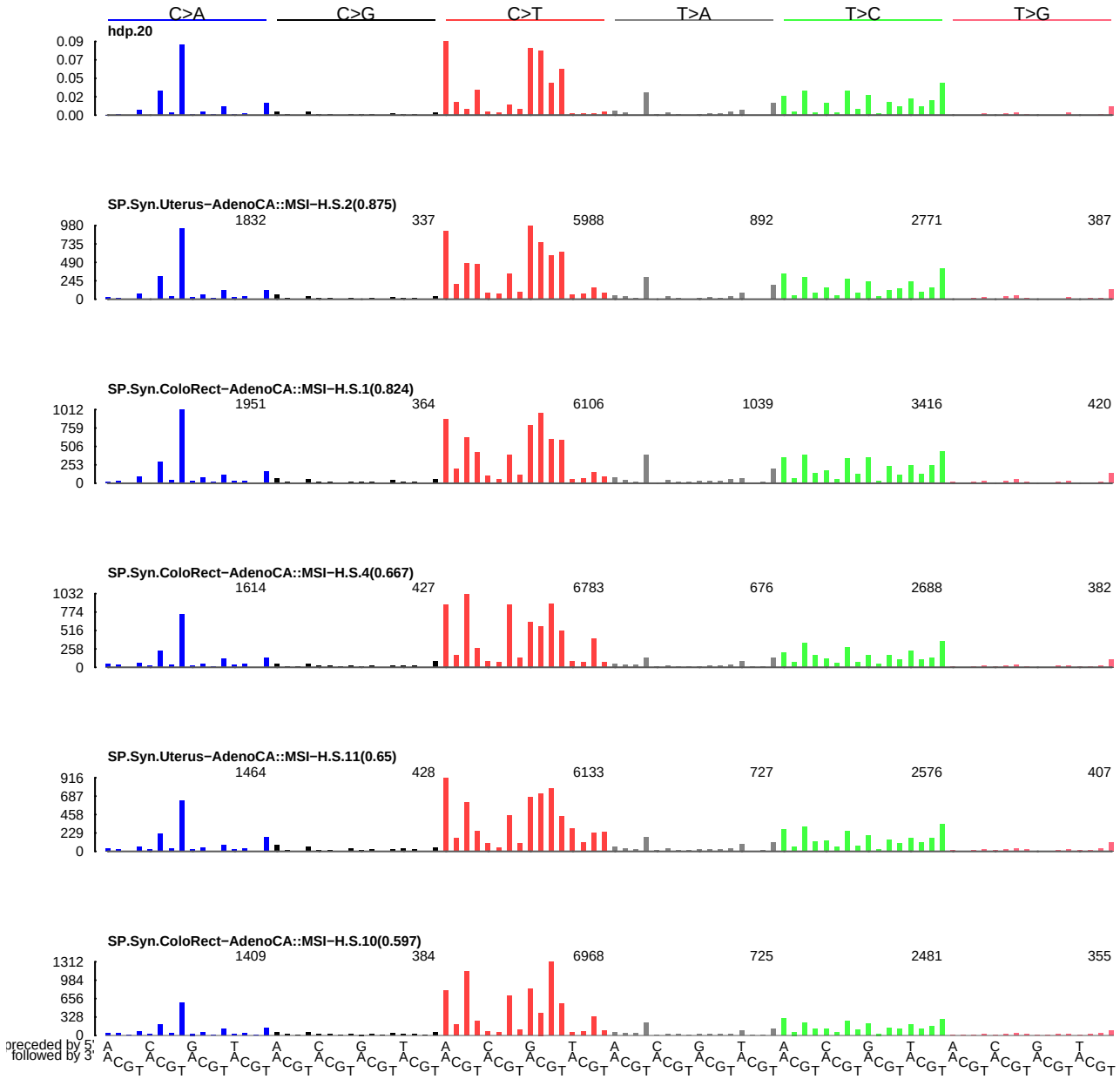

hdp.18
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
2500
3000
3500
Exposure

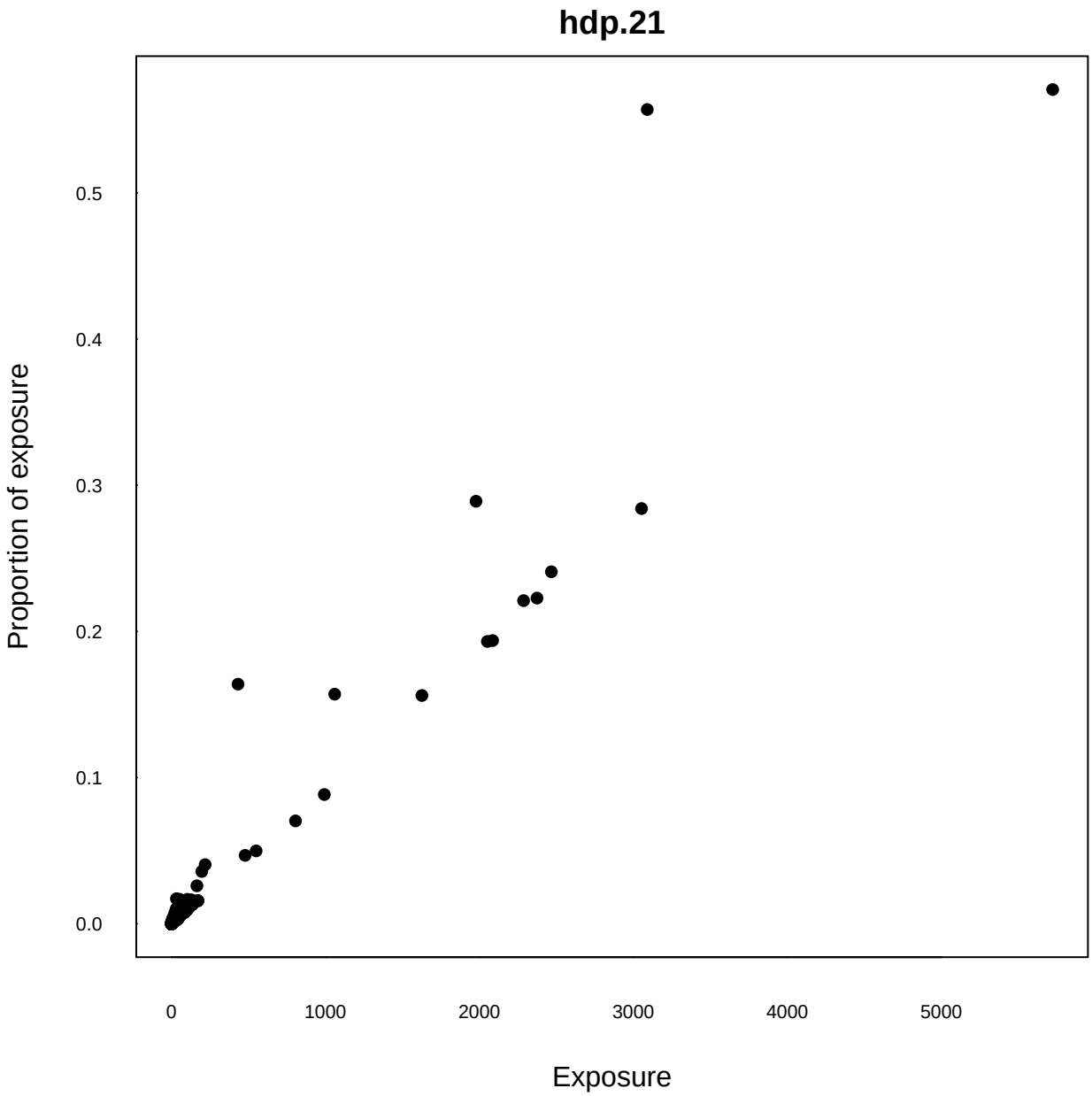

C>A
C>G
C>T
T>A
T>C
T>G
hdp.18
0.21
0.16
0.11
0.05
0.00
SP.Syn.Lymph−BNHL::S.34(0.662)
484
337
1287
2405
608
308
748
561
374
187
0
SP.Syn.Lymph−BNHL::S.23(0.552)
156
125
694
814
371
113
264
198
132
66
0
SP.Syn.Lymph−BNHL::S.15(0.117)
877
672
1554
851
1383
651
184
138
92
46
0
SP.Syn.Lymph−BNHL::S.24(0.101)
482
268
1549
937
1322
1675
324
243
162
81
0
SP.Syn.Lymph−BNHL::S.21(0.091)
1600
1449
2899
1657
1597
1308
316
237
158
79
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

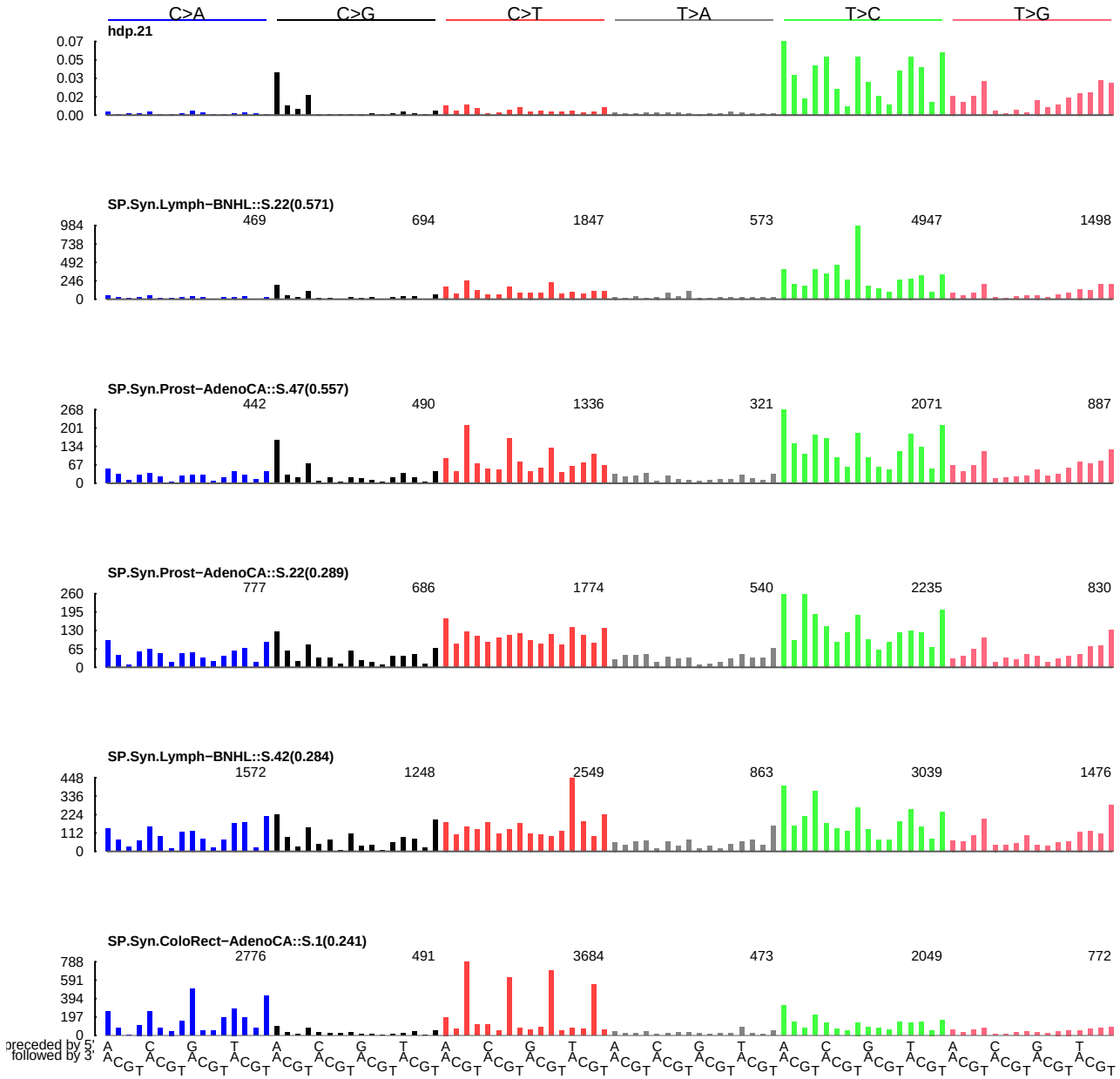

hdp.19
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
Exposure

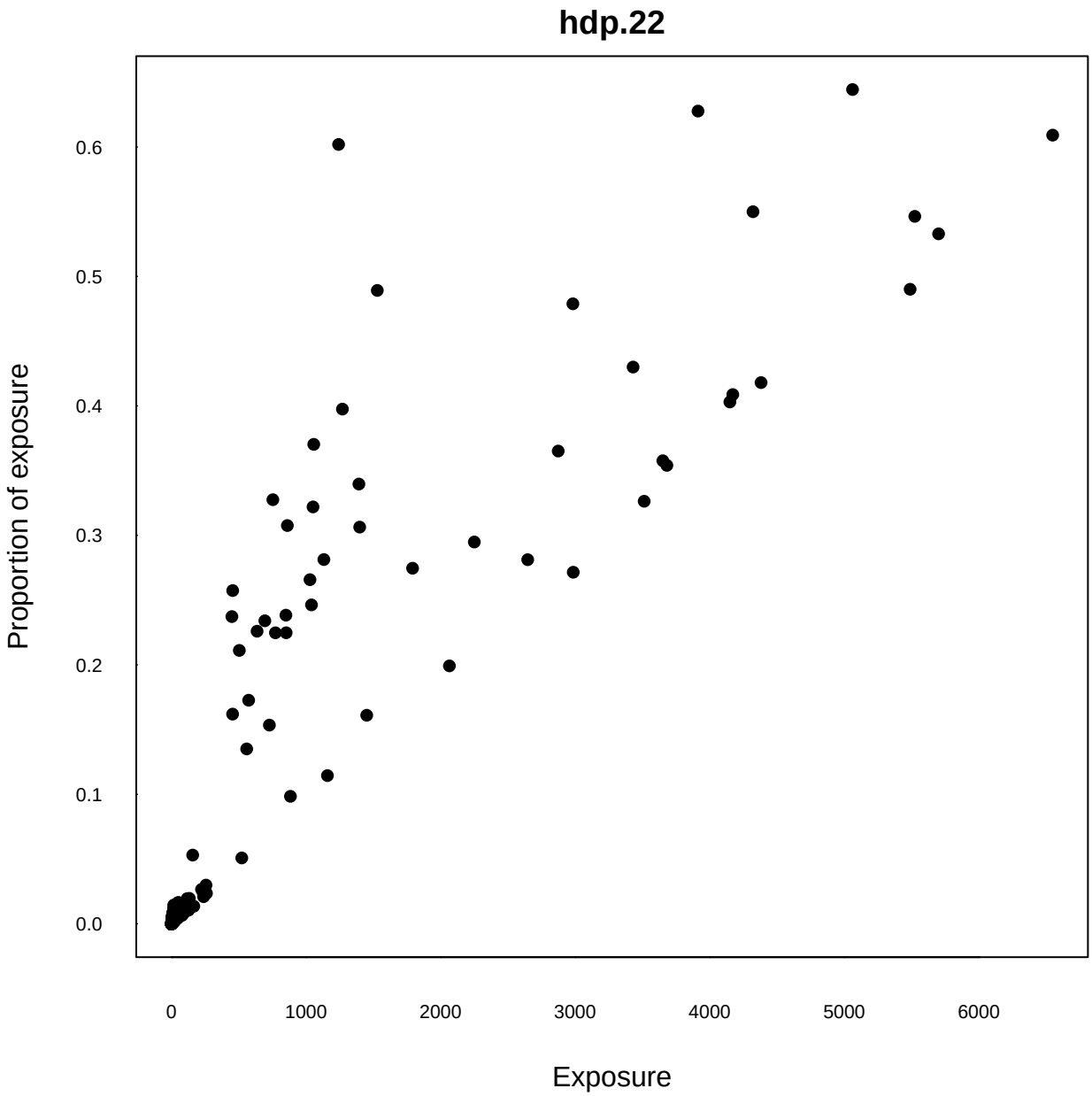

C>A
C>G
C>T
T>A
T>C
T>G
hdp.19
0.22
0.16
0.11
0.05
0.00
SP.Syn.Panc−Endocrine::S.6(0.864)
7414
491
1394
431
743
281
1756
1317
878
439
0
SP.Syn.Panc−Endocrine::S.48(0.825)
6295
516
1799
429
971
296
1944
1458
972
486
0
SP.Syn.Panc−Endocrine::S.15(0.709)
4302
461
1043
477
754
265
1048
786
524
262
0
SP.Syn.Panc−Endocrine::S.53(0.421)
420
79
304
59
220
60
120
90
60
30
0
SP.Syn.Panc−Endocrine::S.51(0.393)
1471
399
1118
306
908
241
284
213
142
71
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

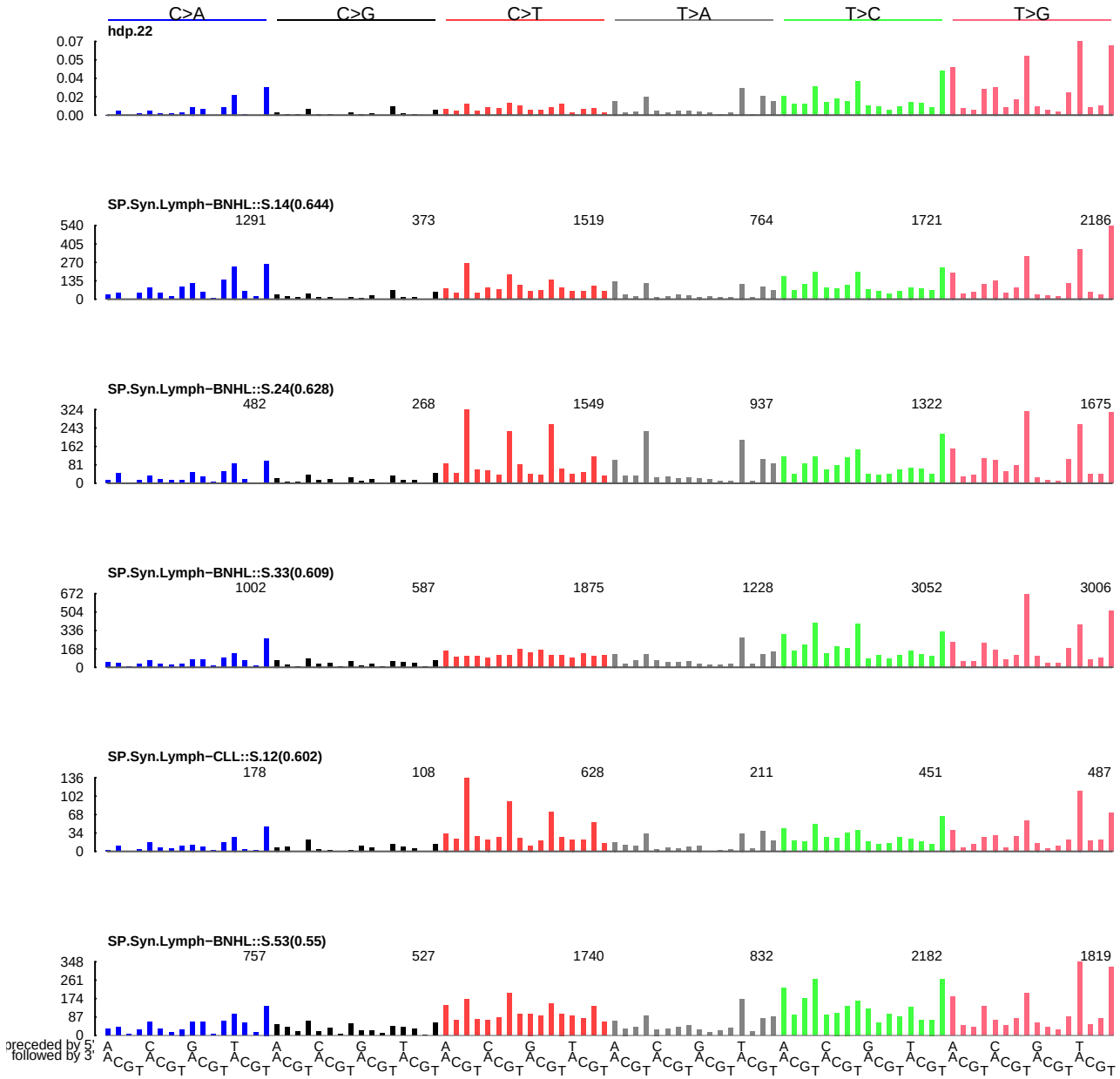

hdp.20
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
10000
Exposure

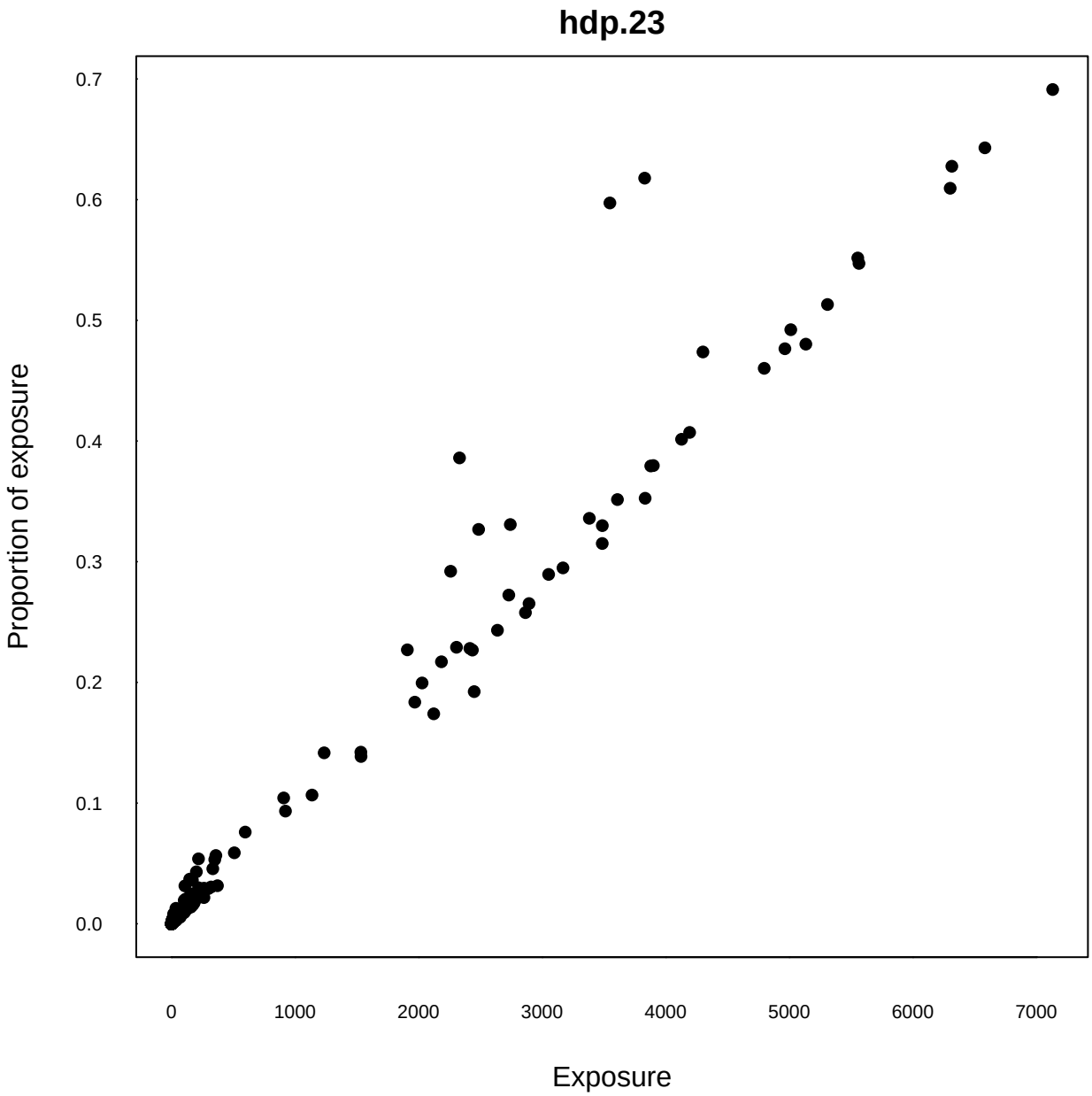

C>A
C>G
C>T
T>A
T>C
T>G
hdp.20
0.09
0.07
0.05
0.02
0.00
SP.Syn.Uterus−AdenoCA::MSI−H.S.2(0.875)
1832
337
5988
892
2771
387
980
735
490
245
0
SP.Syn.ColoRect−AdenoCA::MSI−H.S.1(0.824)
1951
364
6106
1039
3416
420
1012
759
506
253
0
SP.Syn.ColoRect−AdenoCA::MSI−H.S.4(0.667)
1614
427
6783
676
2688
382
1032
774
516
258
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.11(0.65)
1464
428
6133
727
2576
407
916
687
458
229
0
SP.Syn.ColoRect−AdenoCA::MSI−H.S.10(0.597)
1409
384
6968
725
2481
355
1312
984
656
328
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

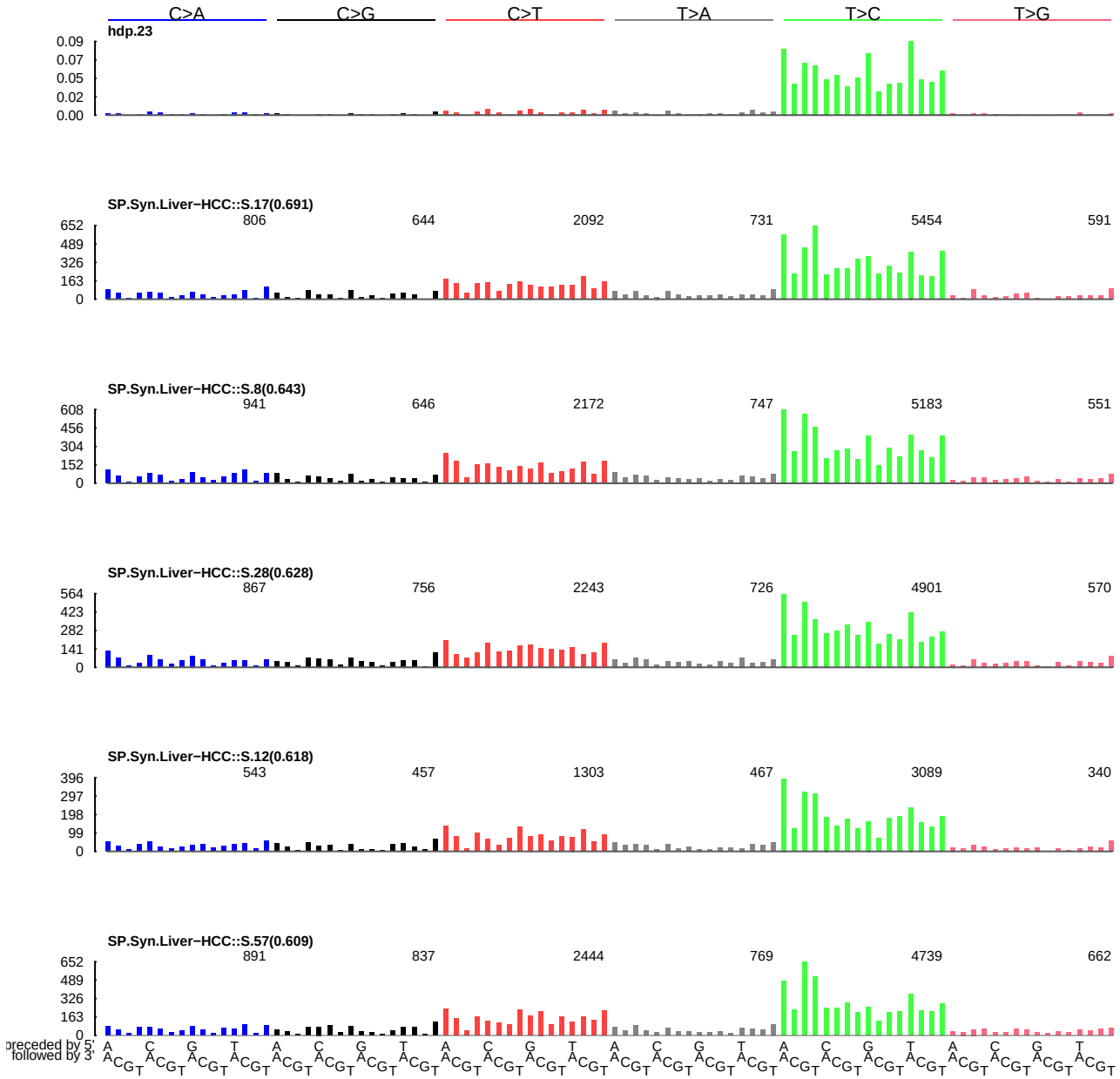

hdp.21
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
1000
2000
3000
4000
5000
Exposure

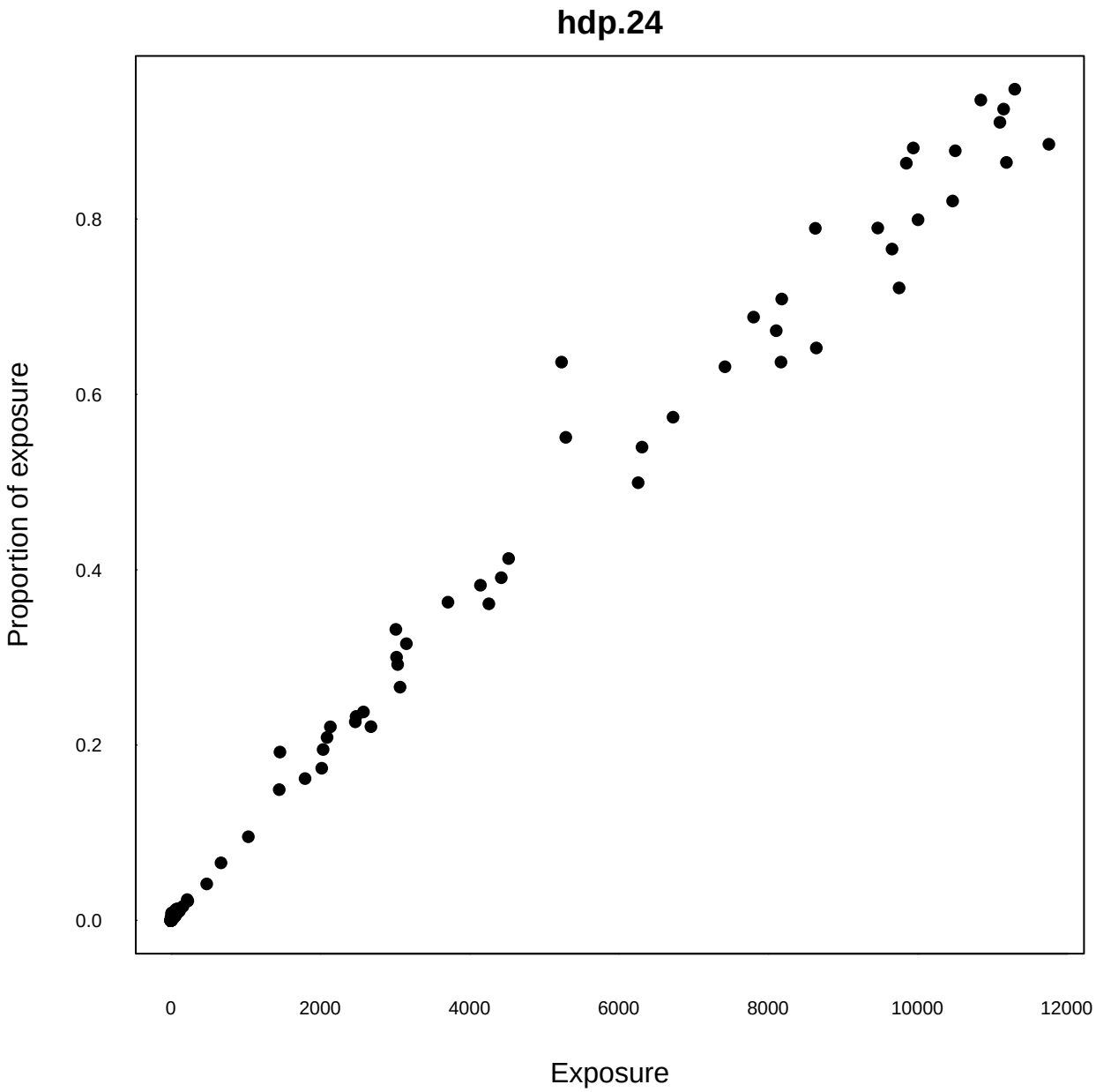

C>A
C>G
C>T
T>A
T>C
T>G
hdp.21
0.07
0.05
0.03
0.02
0.00
SP.Syn.Lymph−BNHL::S.22(0.571)
469
694
1847
573
4947
1498
984
738
492
246
0
SP.Syn.Prost−AdenoCA::S.47(0.557)
442
490
1336
321
2071
887
268
201
134
67
0
SP.Syn.Prost−AdenoCA::S.22(0.289)
777
686
1774
540
2235
830
260
195
130
65
0
SP.Syn.Lymph−BNHL::S.42(0.284)
1572
1248
2549
863
3039
1476
448
336
224
112
0
SP.Syn.ColoRect−AdenoCA::S.1(0.241)
2776
491
3684
473
2049
772
788
591
394
197
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

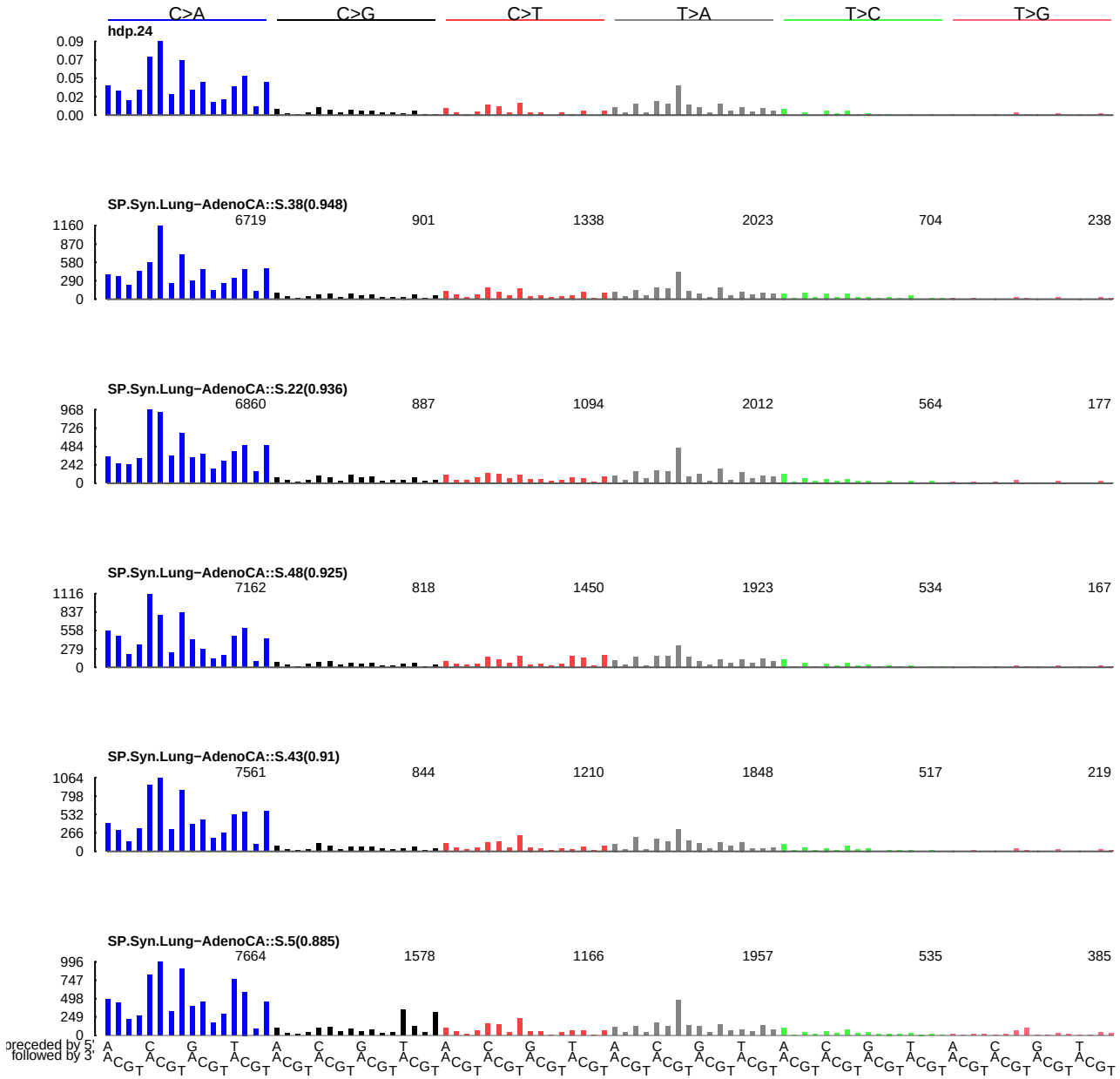

hdp.22
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1000
2000
3000
4000
5000
6000
Exposure

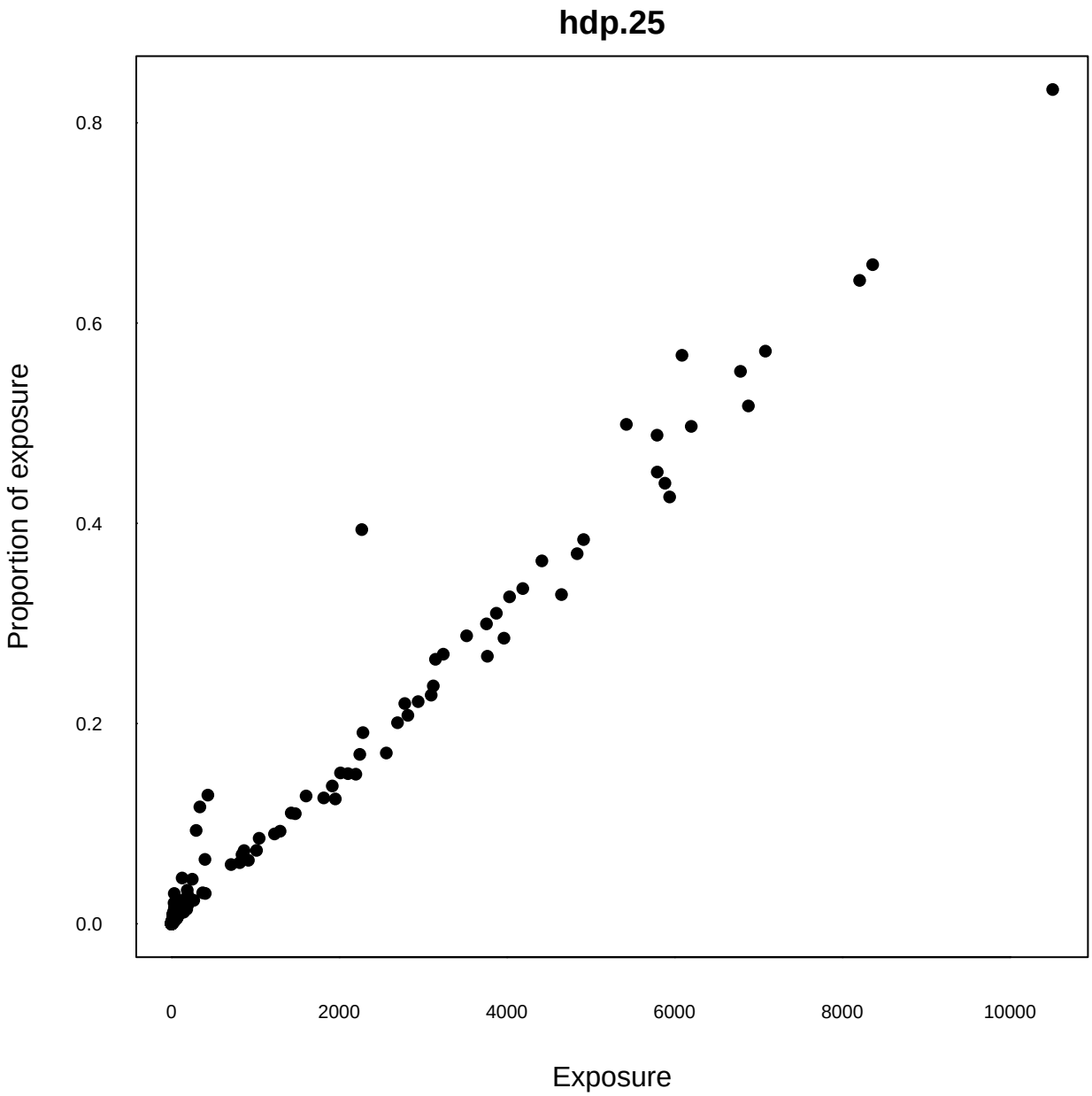

C>A
C>G
C>T
T>A
T>C
T>G
hdp.22
0.07
0.05
0.04
0.02
0.00
SP.Syn.Lymph−BNHL::S.14(0.644)
1291
373
1519
764
1721
2186
540
405
270
135
0
SP.Syn.Lymph−BNHL::S.24(0.628)
482
268
1549
937
1322
1675
324
243
162
81
0
SP.Syn.Lymph−BNHL::S.33(0.609)
1002
587
1875
1228
3052
3006
672
504
336
168
0
SP.Syn.Lymph−CLL::S.12(0.602)
178
108
628
211
451
487
136
102
68
34
0
SP.Syn.Lymph−BNHL::S.53(0.55)
757
527
1740
832
2182
1819
348
261
174
87
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

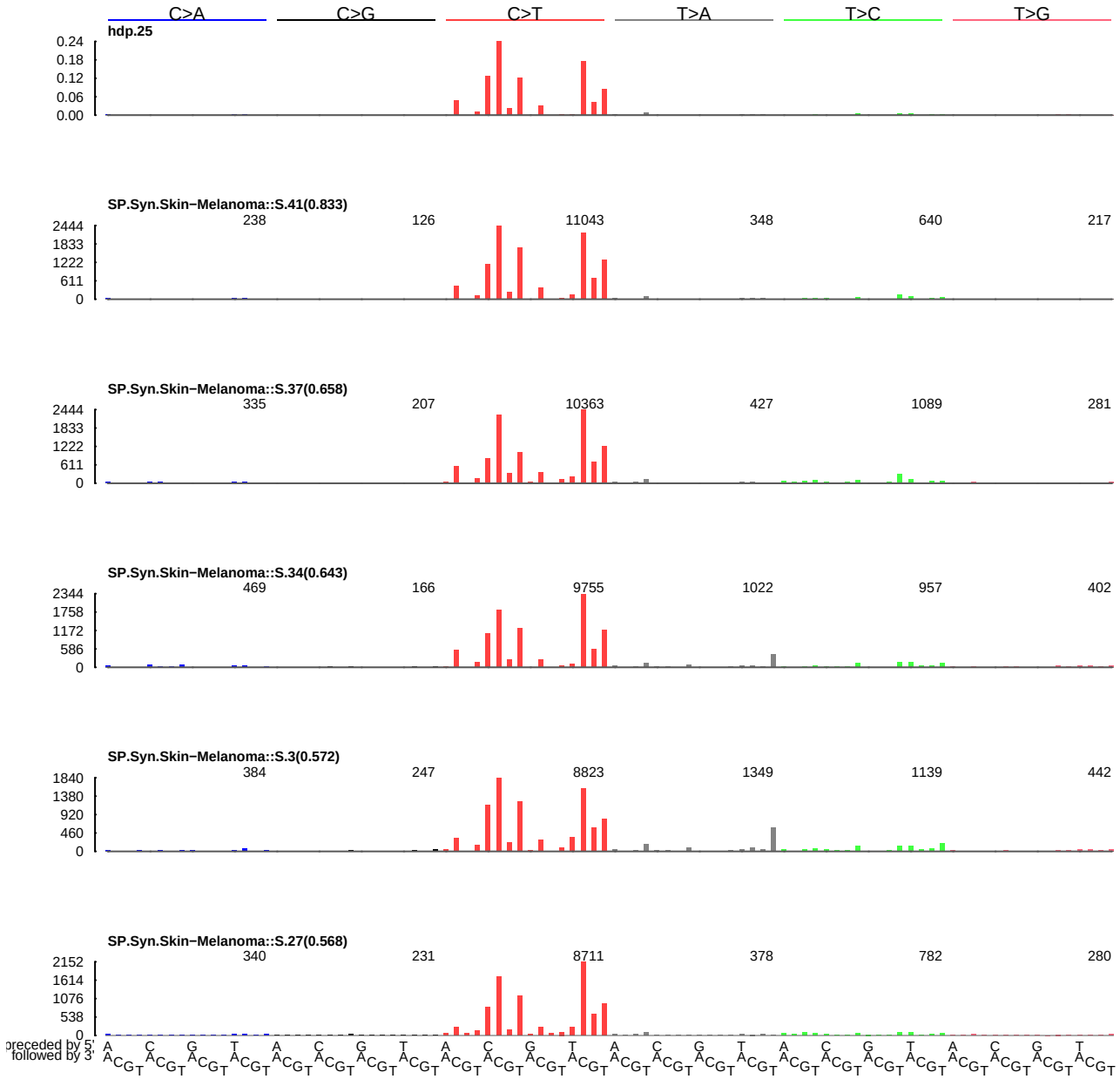

hdp.23
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
1000
2000
3000
4000
5000
6000
7000
Exposure

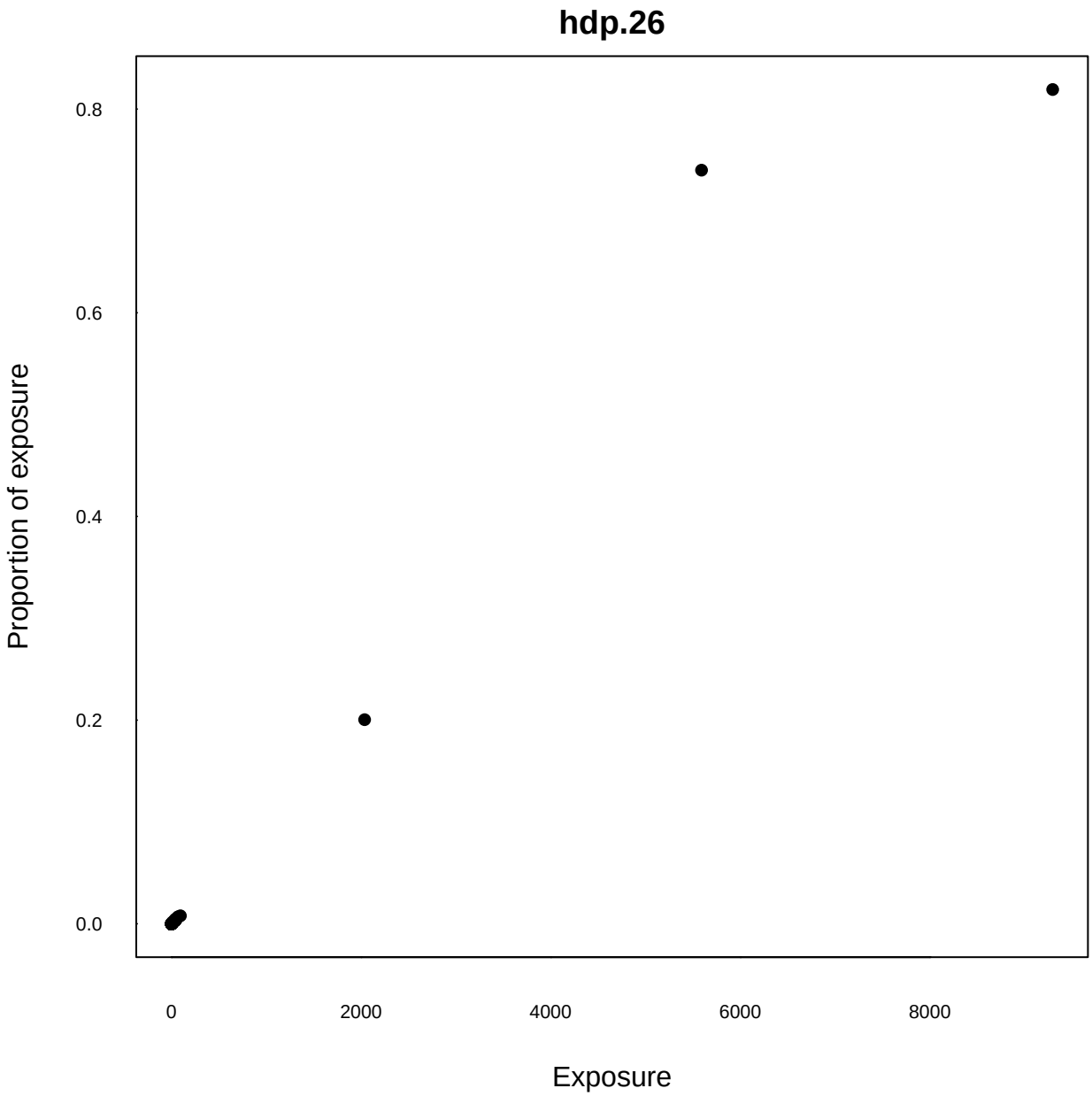

C>A
C>G
C>T
T>A
T>C
T>G
hdp.23
0.09
0.07
0.05
0.02
0.00
SP.Syn.Liver−HCC::S.17(0.691)
806
644
2092
731
5454
591
652
489
326
163
0
SP.Syn.Liver−HCC::S.8(0.643)
941
646
2172
747
5183
551
608
456
304
152
0
SP.Syn.Liver−HCC::S.28(0.628)
867
756
2243
726
4901
570
564
423
282
141
0
SP.Syn.Liver−HCC::S.12(0.618)
543
457
1303
467
3089
340
396
297
198
99
0
SP.Syn.Liver−HCC::S.57(0.609)
891
837
2444
769
4739
662
652
489
326
163
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

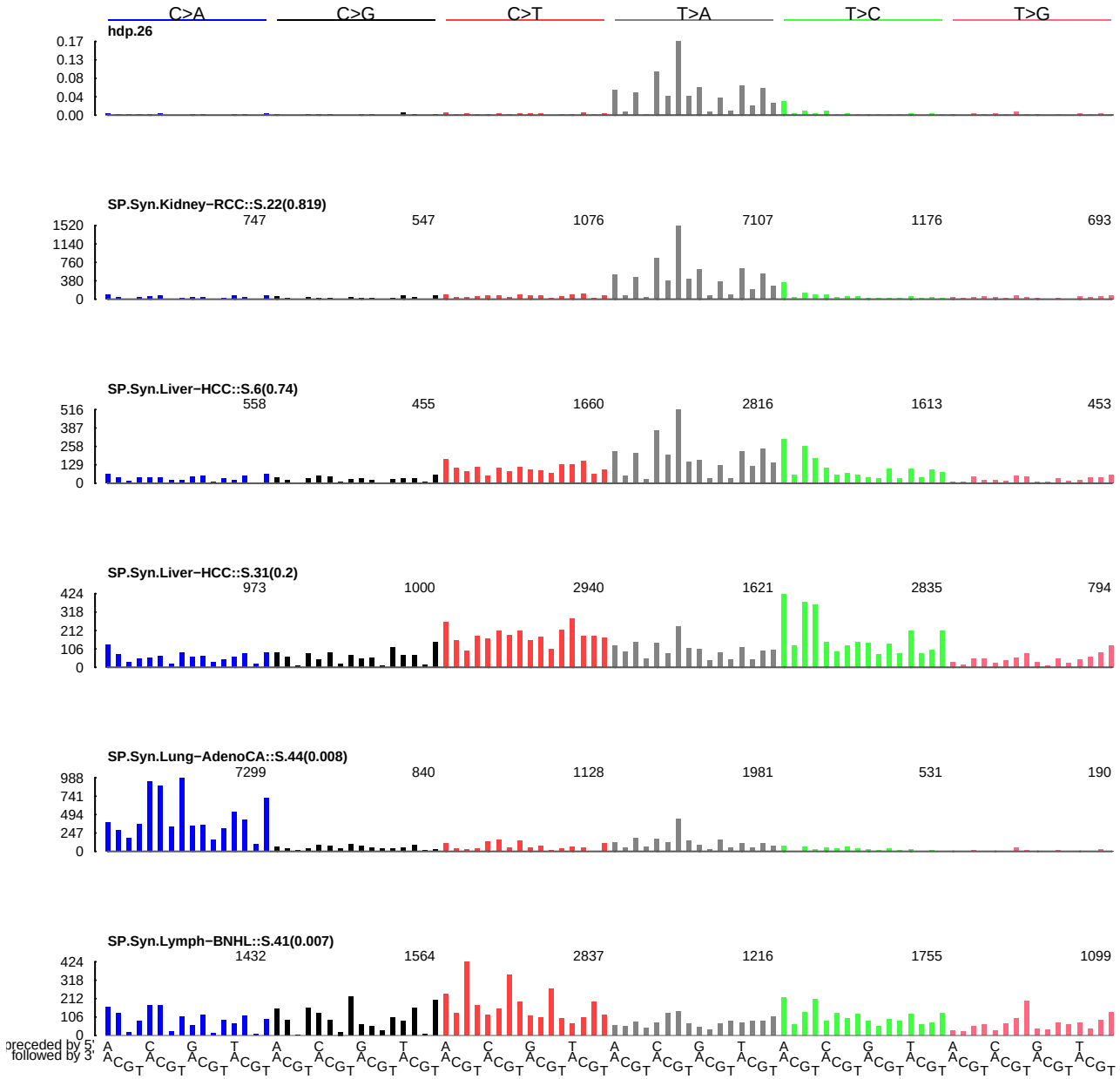

hdp.24
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
10000
12000
Exposure

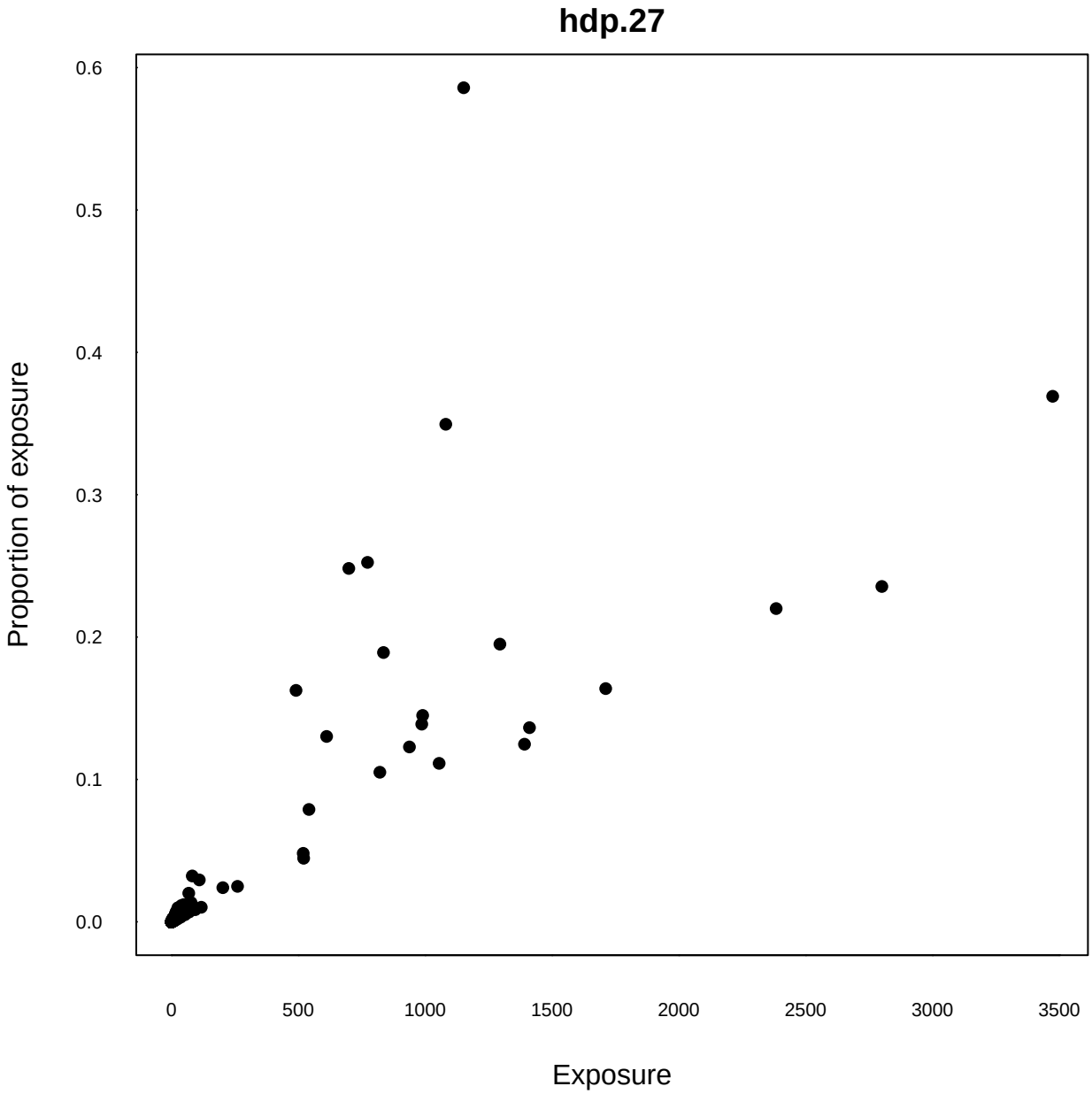

C>A
C>G
C>T
T>A
T>C
T>G
hdp.24
0.09
0.07
0.05
0.02
0.00
SP.Syn.Lung−AdenoCA::S.38(0.948)
6719
901
1338
2023
704
238
1160
870
580
290
0
SP.Syn.Lung−AdenoCA::S.22(0.936)
6860
887
1094
2012
564
177
968
726
484
242
0
SP.Syn.Lung−AdenoCA::S.48(0.925)
7162
818
1450
1923
534
167
1116
837
558
279
0
SP.Syn.Lung−AdenoCA::S.43(0.91)
7561
844
1210
1848
517
219
1064
798
532
266
0
SP.Syn.Lung−AdenoCA::S.5(0.885)
7664
1578
1166
1957
535
385
996
747
498
249
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

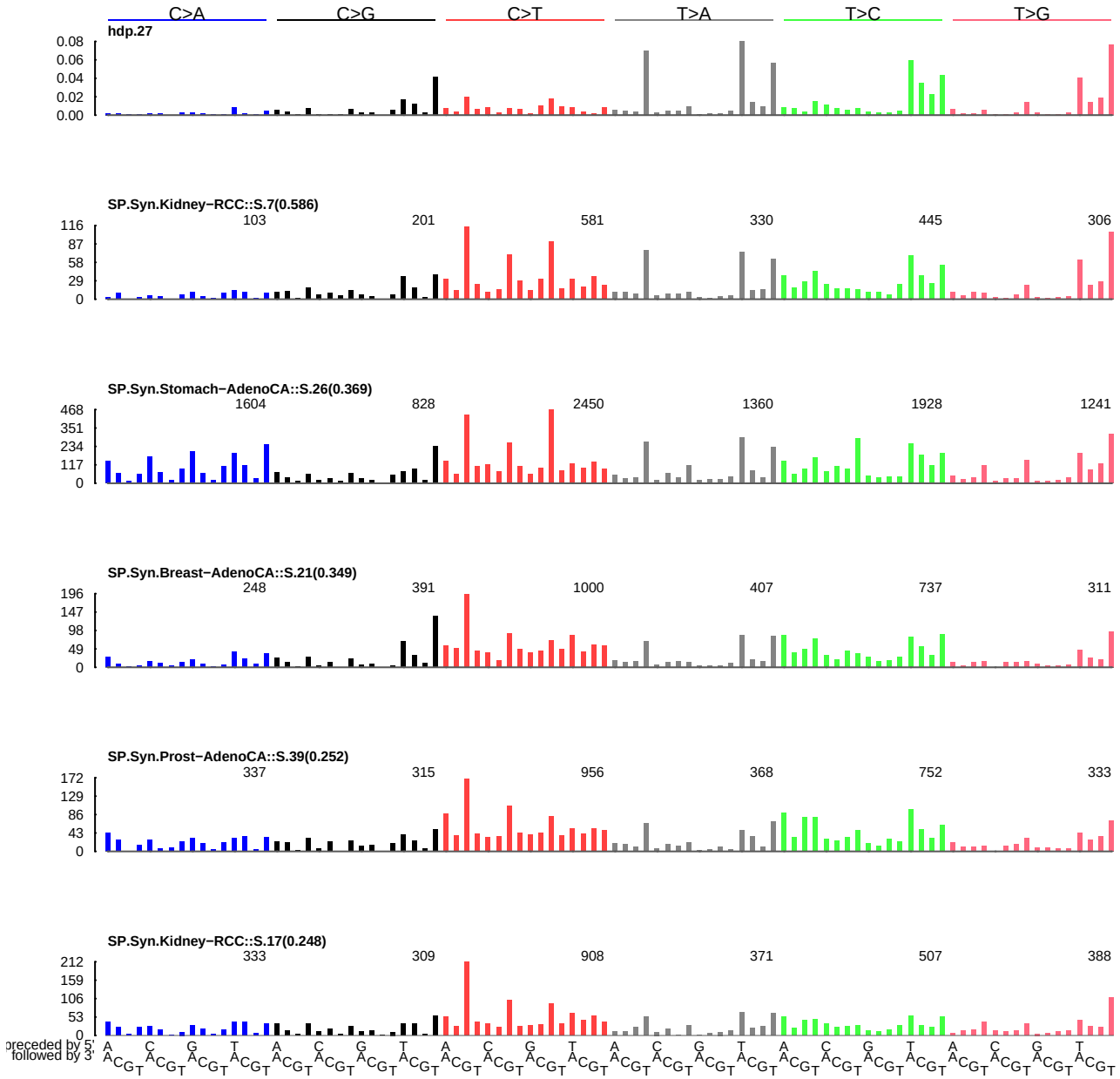

hdp.25
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
10000
Exposure

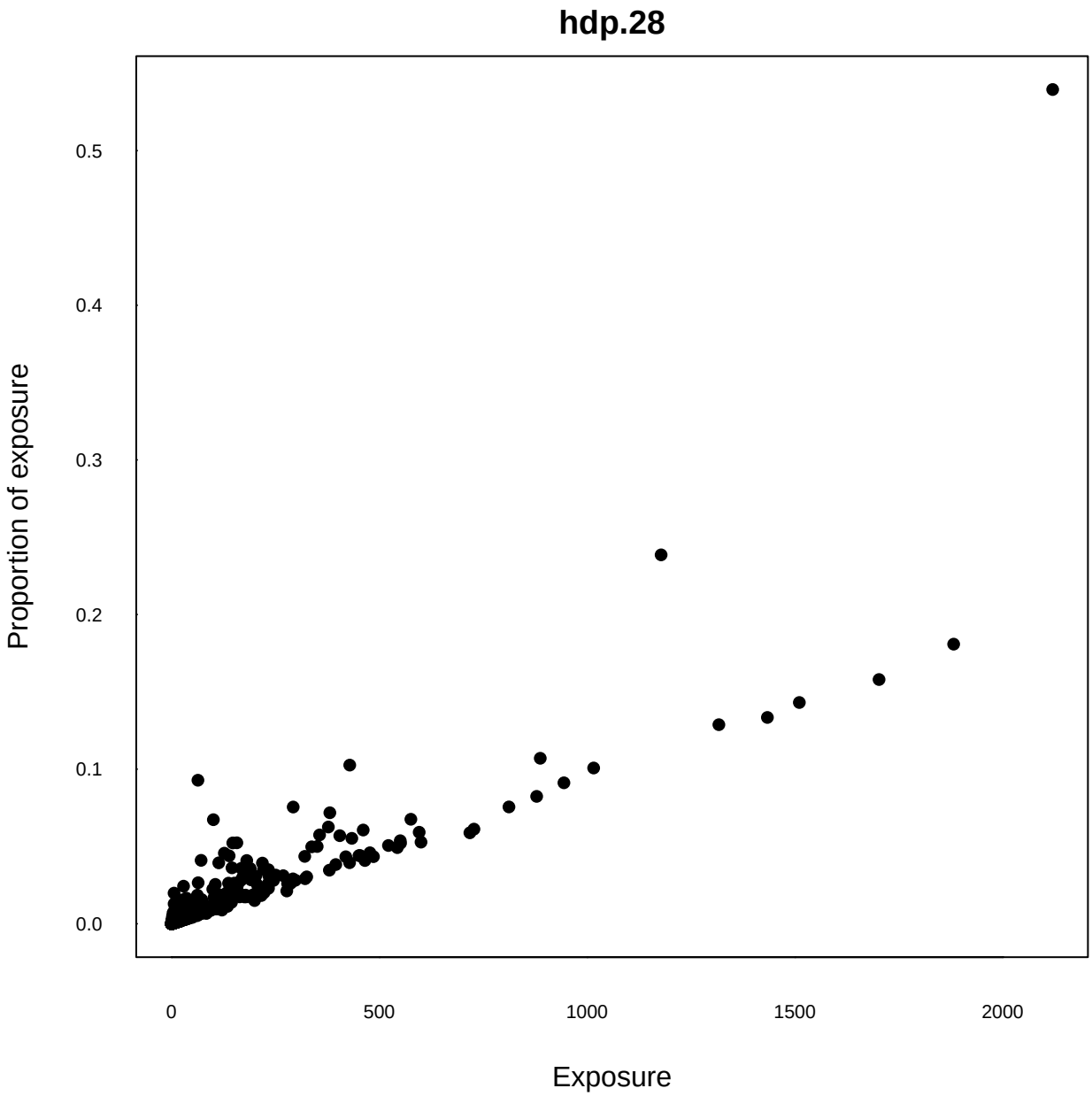

C>A
C>G
C>T
T>A
T>C
T>G
hdp.25
0.24
0.18
0.12
0.06
0.00
SP.Syn.Skin−Melanoma::S.41(0.833)
238
126
11043
348
640
217
2444
1833
1222
611
0
SP.Syn.Skin−Melanoma::S.37(0.658)
335
207
10363
427
1089
281
2444
1833
1222
611
0
SP.Syn.Skin−Melanoma::S.34(0.643)
469
166
9755
1022
957
402
2344
1758
1172
586
0
SP.Syn.Skin−Melanoma::S.3(0.572)
384
247
8823
1349
1139
442
1840
1380
920
460
0
SP.Syn.Skin−Melanoma::S.27(0.568)
340
231
8711
378
782
280
2152
1614
1076
538
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

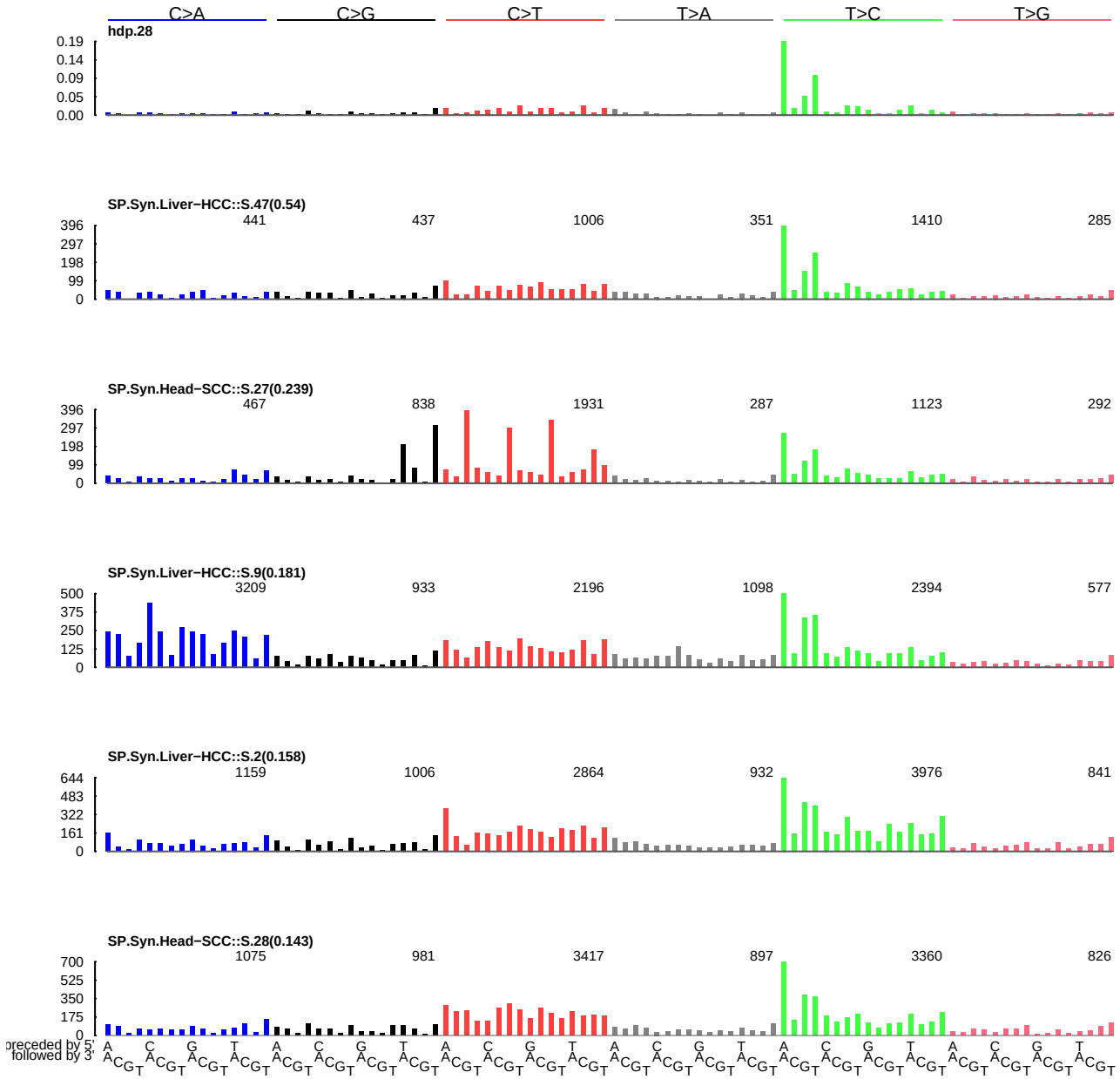

hdp.26
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
Exposure

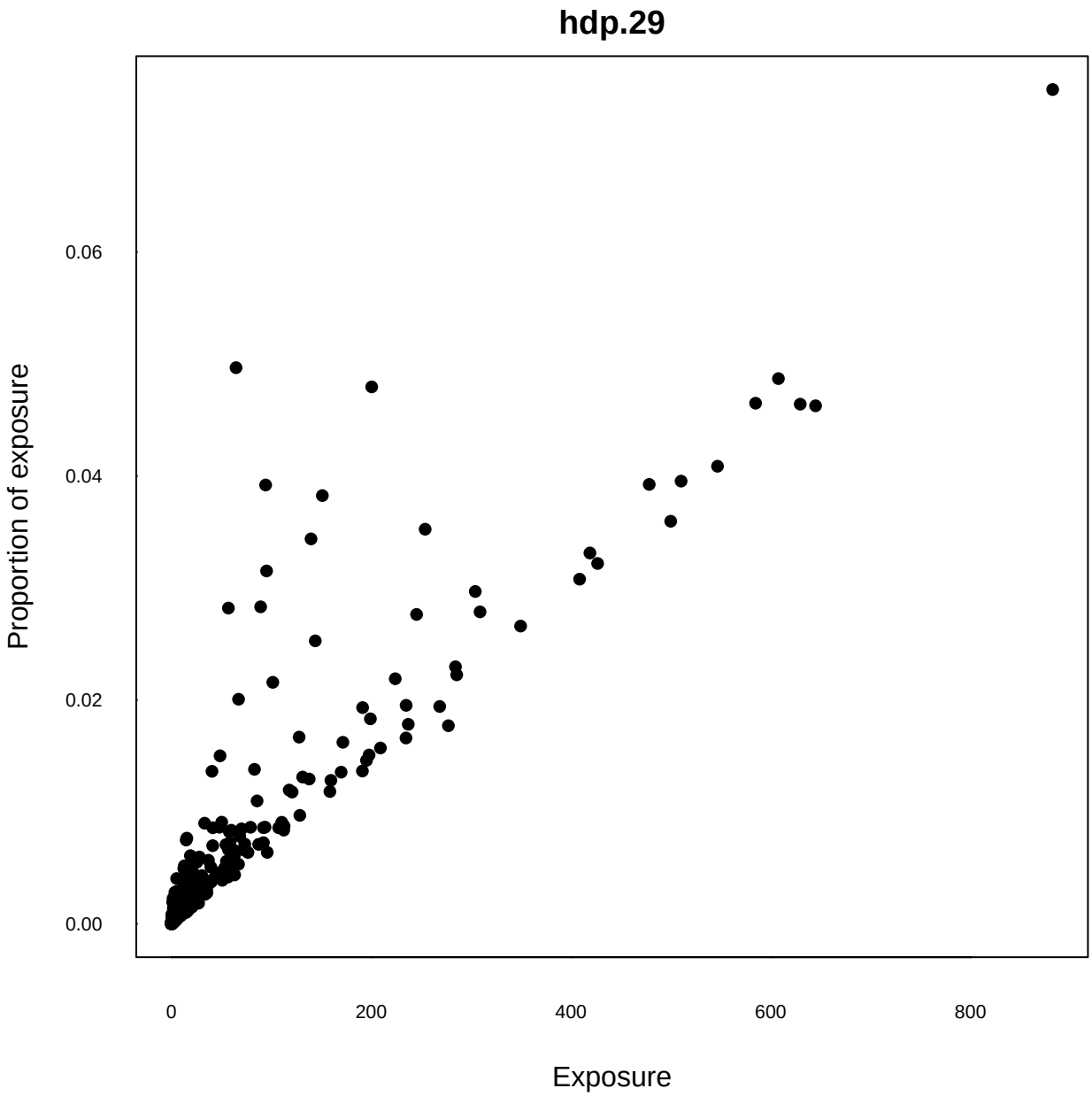

C>A
C>G
C>T
T>A
T>C
T>G
hdp.26
0.17
0.13
0.08
0.04
0.00
SP.Syn.Kidney−RCC::S.22(0.819)
747
547
1076
7107
1176
693
1520
1140
760
380
0
SP.Syn.Liver−HCC::S.6(0.74)
558
455
1660
2816
1613
453
516
387
258
129
0
SP.Syn.Liver−HCC::S.31(0.2)
973
1000
2940
1621
2835
794
424
318
212
106
0
SP.Syn.Lung−AdenoCA::S.44(0.008)
7299
840
1128
1981
531
190
988
741
494
247
0
SP.Syn.Lymph−BNHL::S.41(0.007)
1432
1564
2837
1216
1755
1099
424
318
212
106
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T

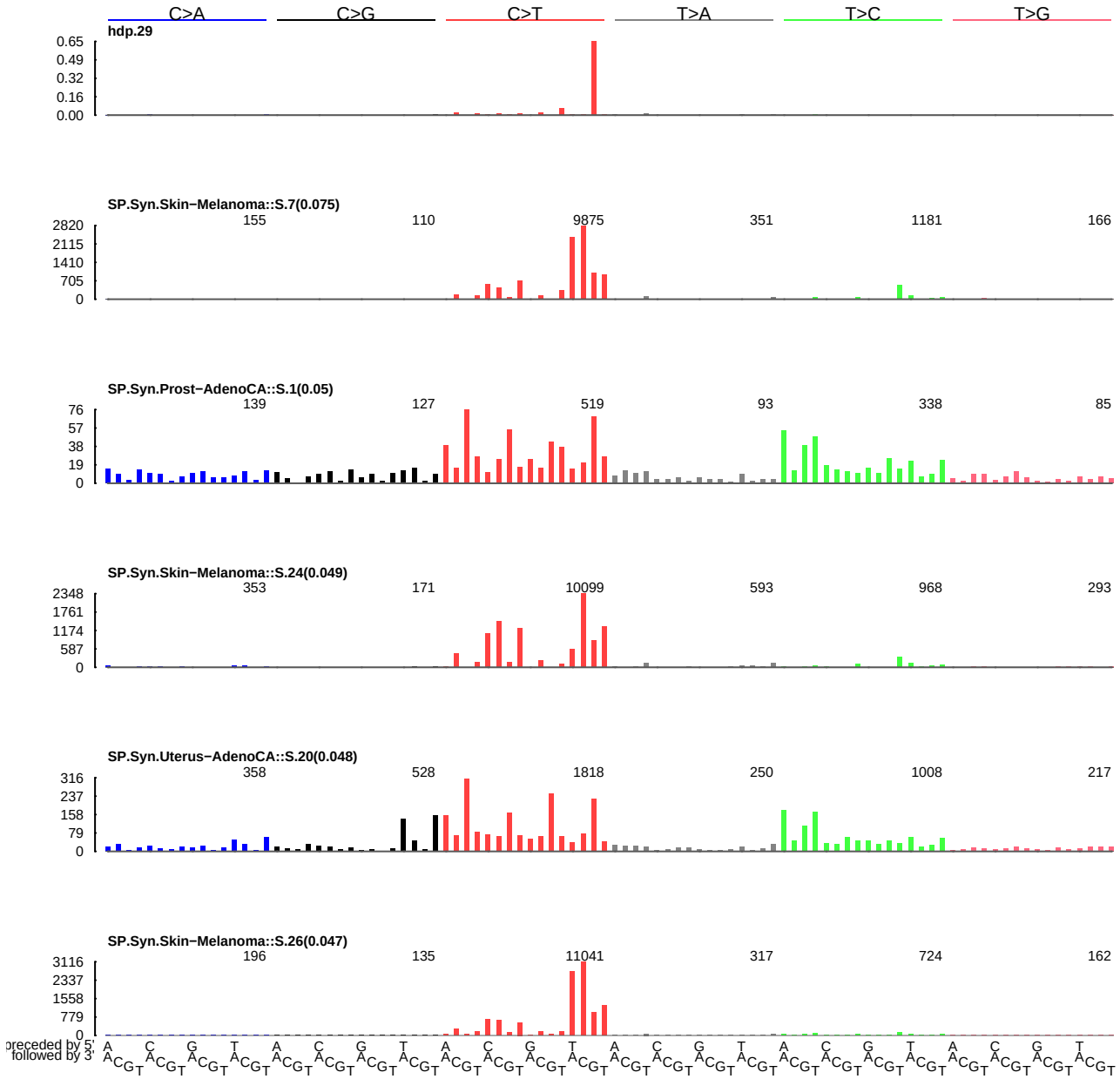

hdp.27
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
2500
3000
3500
Exposure


C>A
C>G
C>T
T>A
T>C
T>G
hdp.27
0.08
0.06
0.04
0.02
0.00
SP.Syn.Kidney−RCC::S.7(0.586)
103
201
581
330
445
306
116
87
58
29
0
SP.Syn.Stomach−AdenoCA::S.26(0.369)
1604
828
2450
1360
1928
1241
468
351
234
117
0
SP.Syn.Breast−AdenoCA::S.21(0.349)
248
391
1000
407
737
311
196
147
98
49
0
SP.Syn.Prost−AdenoCA::S.39(0.252)
337
315
956
368
752
333
172
129
86
43
0
SP.Syn.Kidney−RCC::S.17(0.248)
333
309
908
371
507
388
212
159
106
53
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T


hdp.28
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
500
1000
1500
2000
Exposure


C>A
C>G
C>T
T>A
T>C
T>G
hdp.28
0.19
0.14
0.09
0.05
0.00
SP.Syn.Liver−HCC::S.47(0.54)
441
437
1006
351
1410
285
396
297
198
99
0
SP.Syn.Head−SCC::S.27(0.239)
467
838
1931
287
1123
292
396
297
198
99
0
SP.Syn.Liver−HCC::S.9(0.181)
3209
933
2196
1098
2394
577
500
375
250
125
0
SP.Syn.Liver−HCC::S.2(0.158)
1159
1006
2864
932
3976
841
644
483
322
161
0
SP.Syn.Head−SCC::S.28(0.143)
1075
981
3417
897
3360
826
700
525
350
175
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T


hdp.29
Proportion of exposure
0.00
0.02
0.04
0.06
0
200
400
600
800
Exposure


C>A
C>G
C>T
T>A
T>C
T>G
hdp.29
0.65
0.49
0.32
0.16
0.00
SP.Syn.Skin−Melanoma::S.7(0.075)
155
110
9875
351
1181
166
2820
2115
1410
705
0
SP.Syn.Prost−AdenoCA::S.1(0.05)
139
127
519
93
338
85
76
57
38
19
0
SP.Syn.Skin−Melanoma::S.24(0.049)
353
171
10099
593
968
293
2348
1761
1174
587
0
SP.Syn.Uterus−AdenoCA::S.20(0.048)
358
528
1818
250
1008
217
316
237
158
79
0
SP.Syn.Skin−Melanoma::S.26(0.047)
196
135
11041
317
724
162
3116
2337
1558
779
0
preceded by 5'
followed by 3'
A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T A C G T