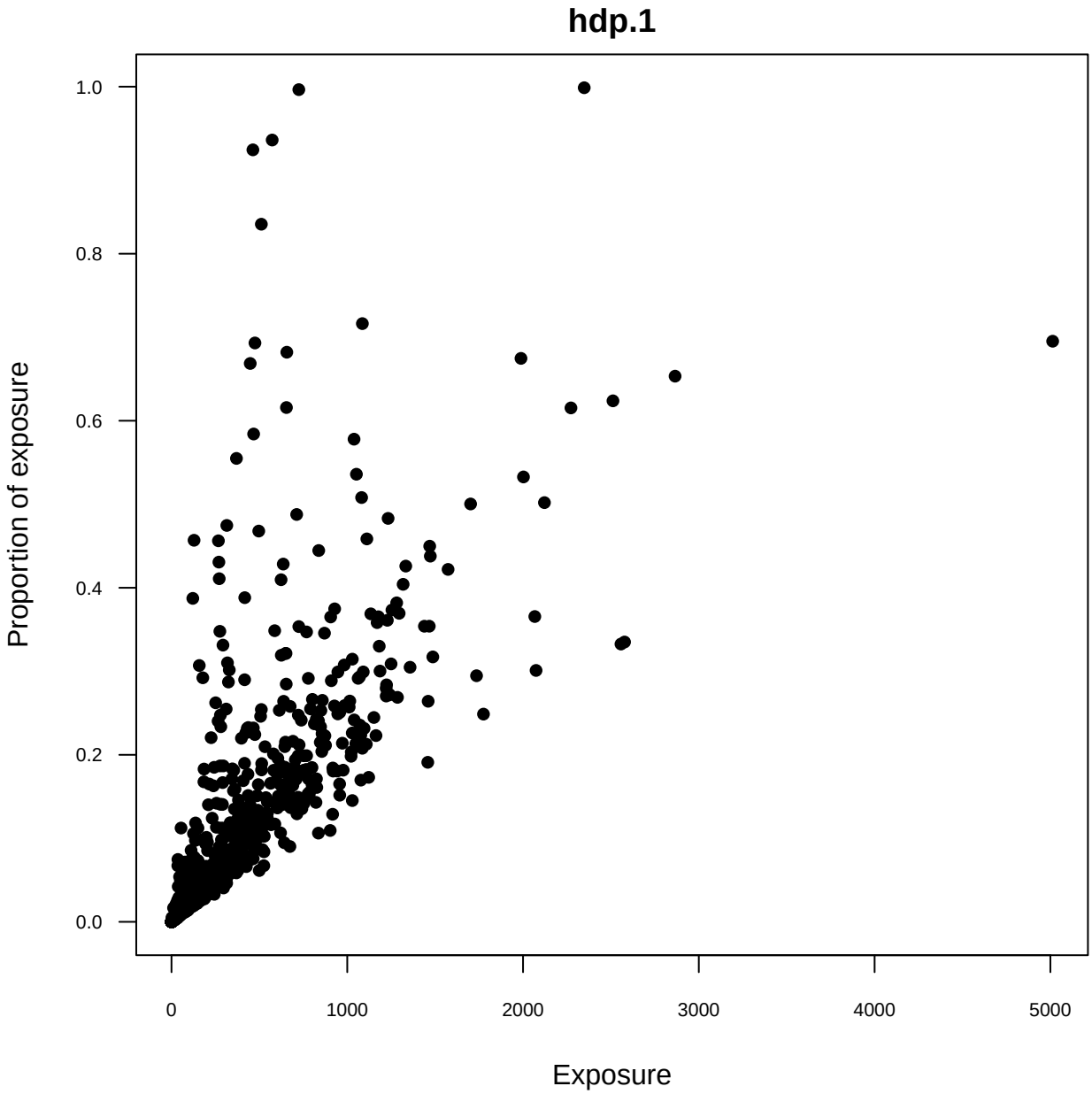
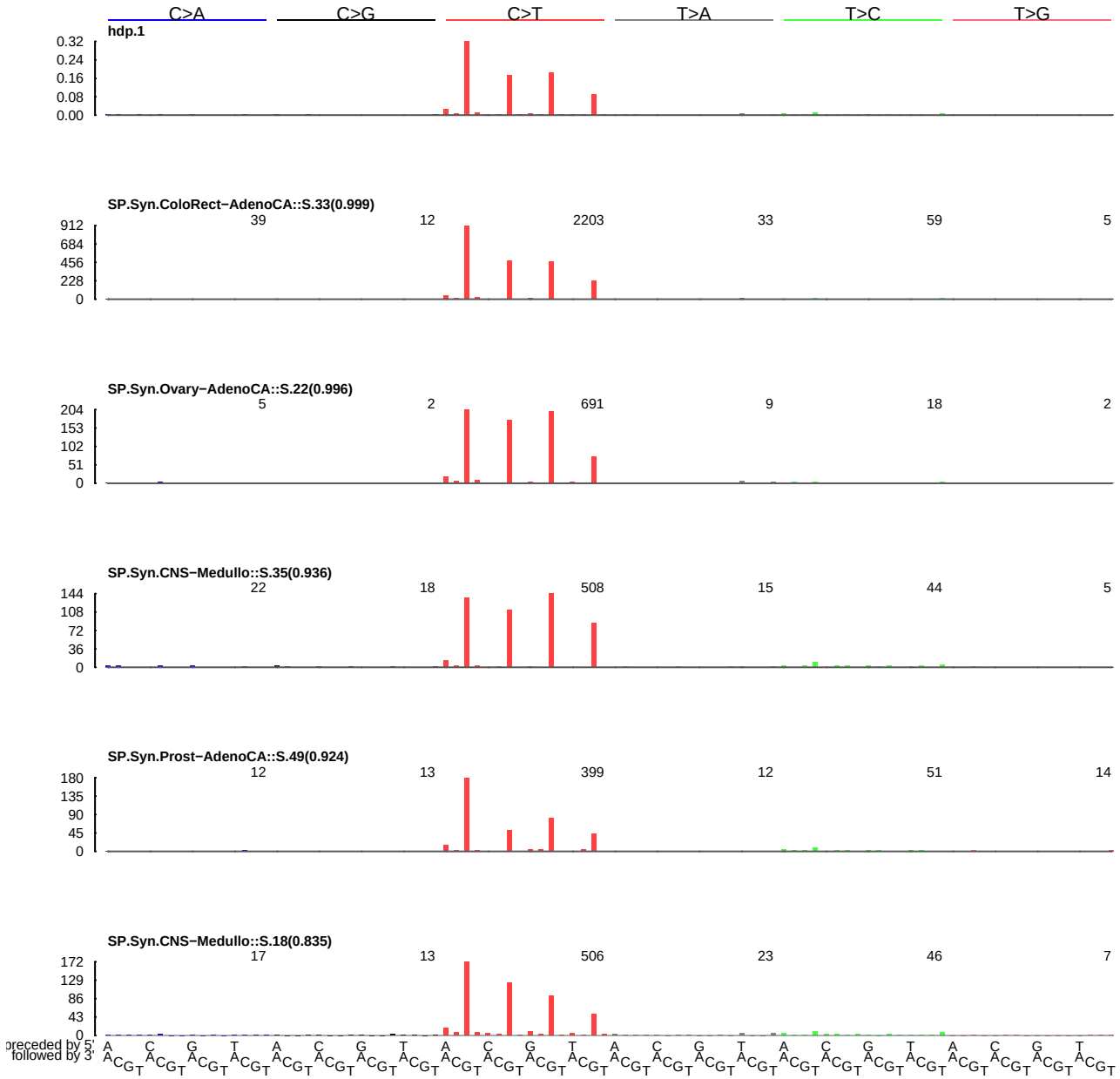
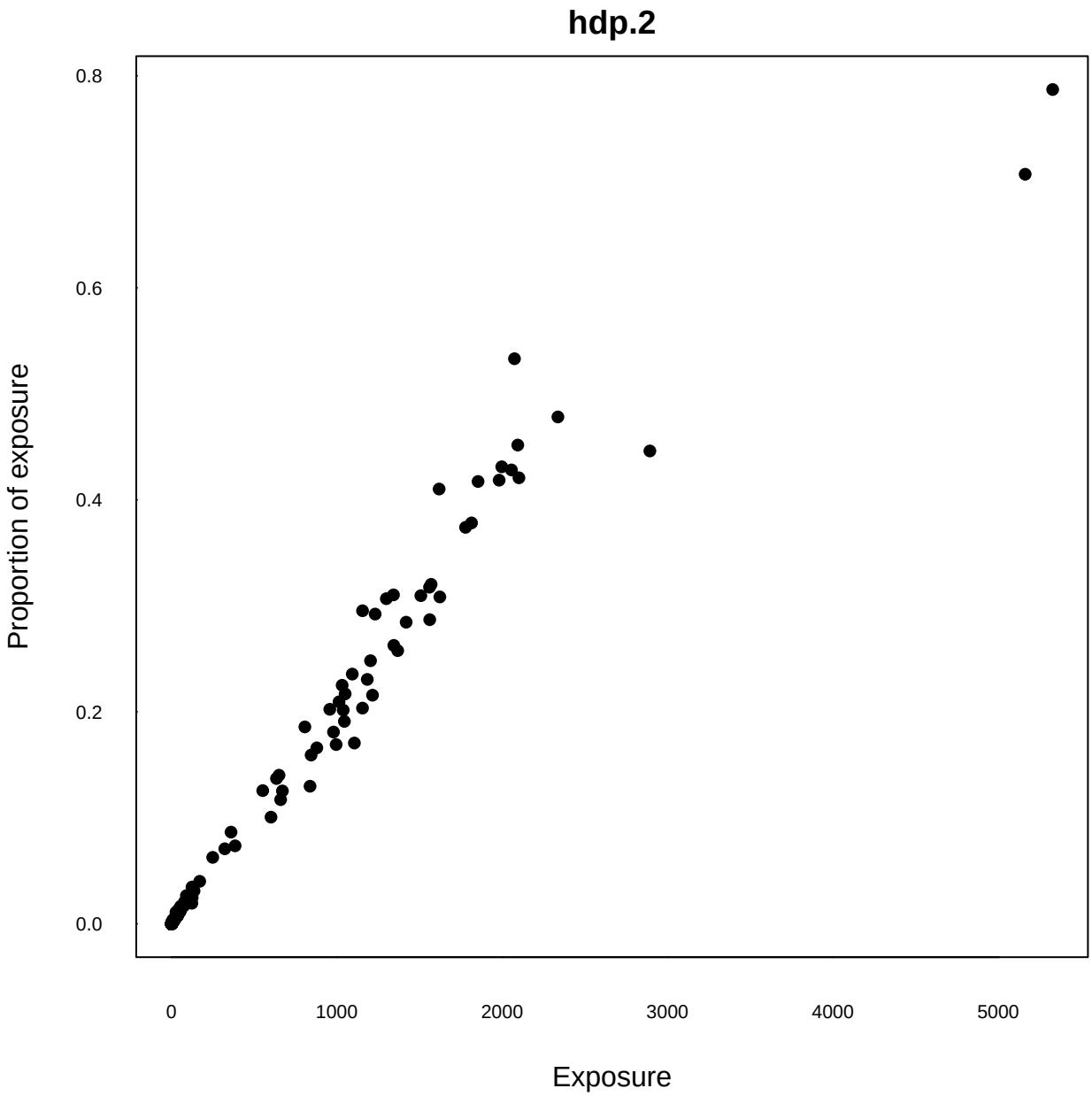
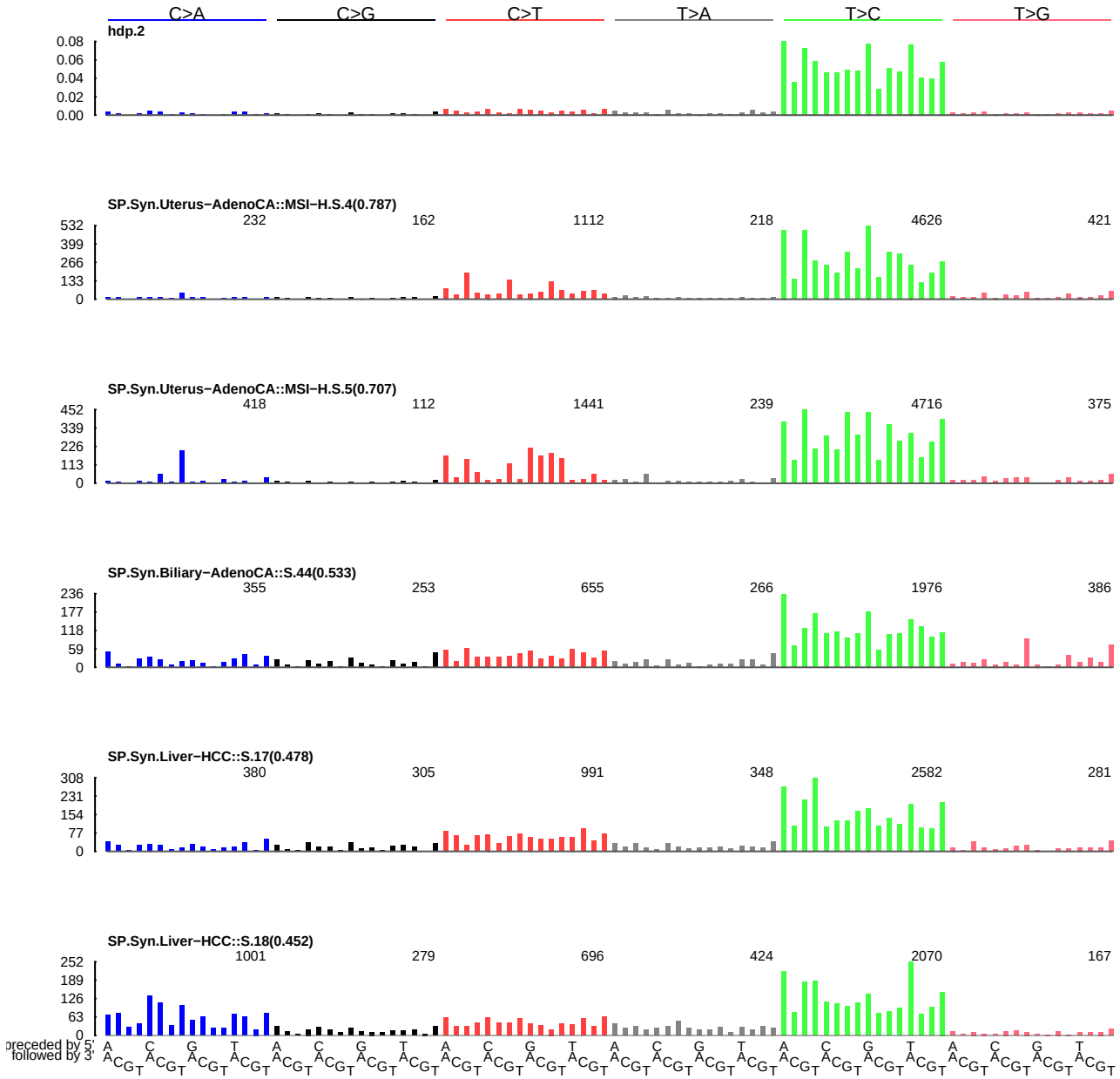
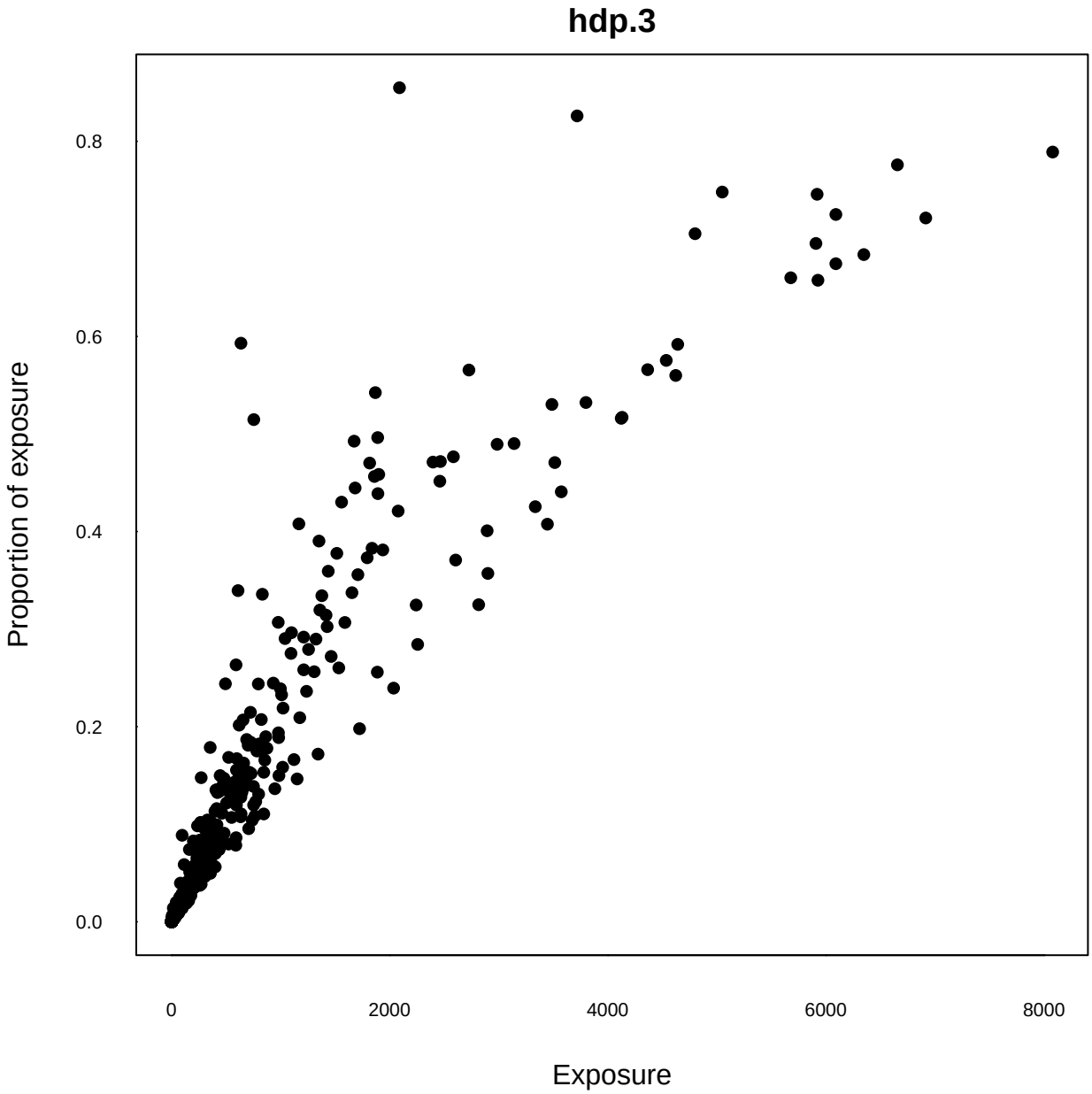
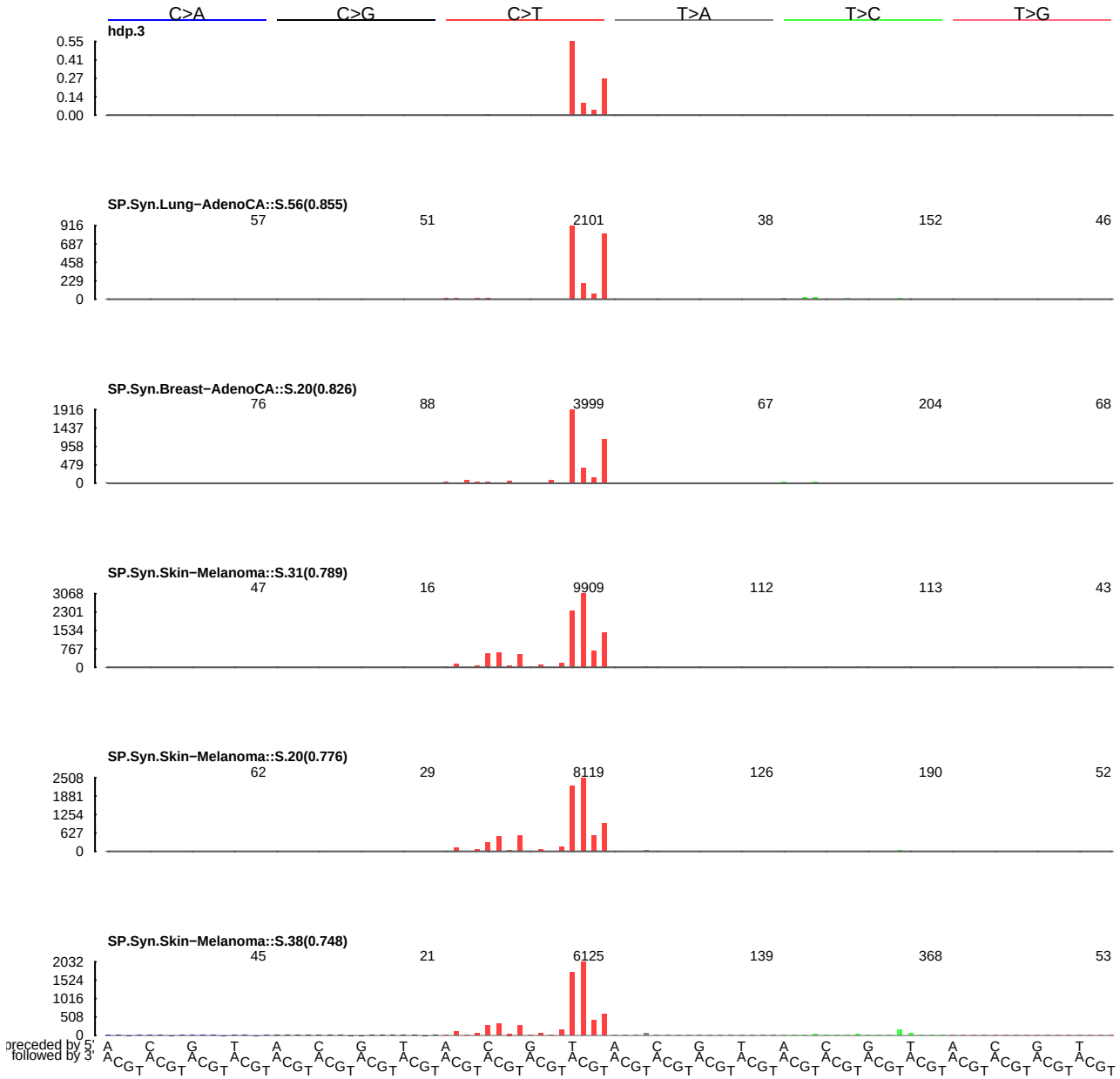

hdp.1
Proportion of exposure
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
5000
Exposure

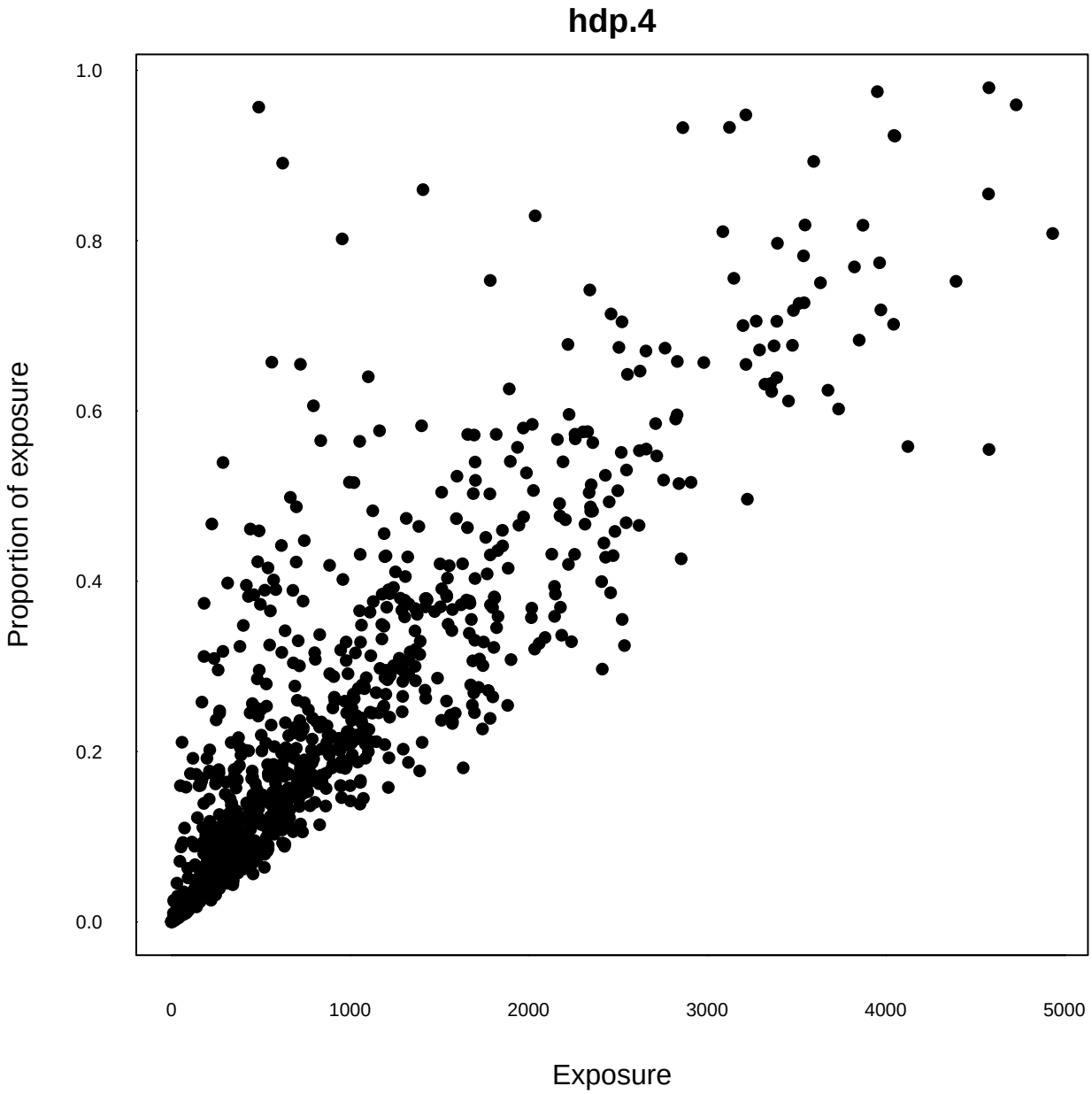

C>A
C>G
C>T
T>A
T>C
T>G
hdp.1
0.32
0.24
0.16
0.08
0.00
SP.Syn.ColoRect−AdenoCA::S.33(0.999)
39
12
2203
33
59
5
912
684
456
228
0
SP.Syn.Ovary−AdenoCA::S.22(0.996)
5
2
691
9
18
2
204
153
102
51
0
SP.Syn.CNS−Medullo::S.35(0.936)
22
18
508
15
44
5
144
108
72
36
0
SP.Syn.Prost−AdenoCA::S.49(0.924)
12
13
399
12
51
14
180
135
90
45
0
SP.Syn.CNS−Medullo::S.18(0.835)
17
13
506
23
46
7
172
129
86
43
0
preceded by 5'
followed by 3'

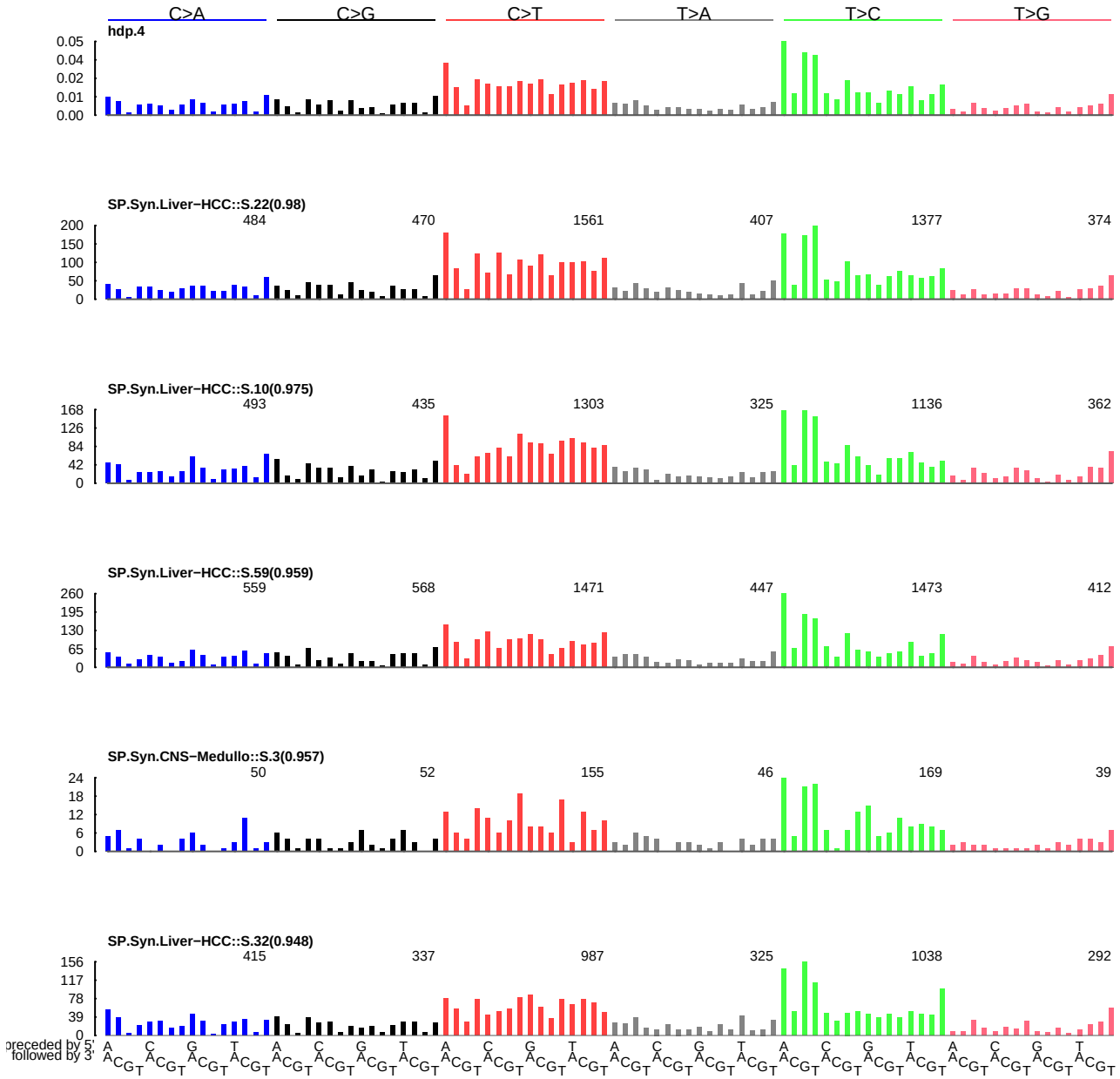

hdp.2
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
5000
Exposure

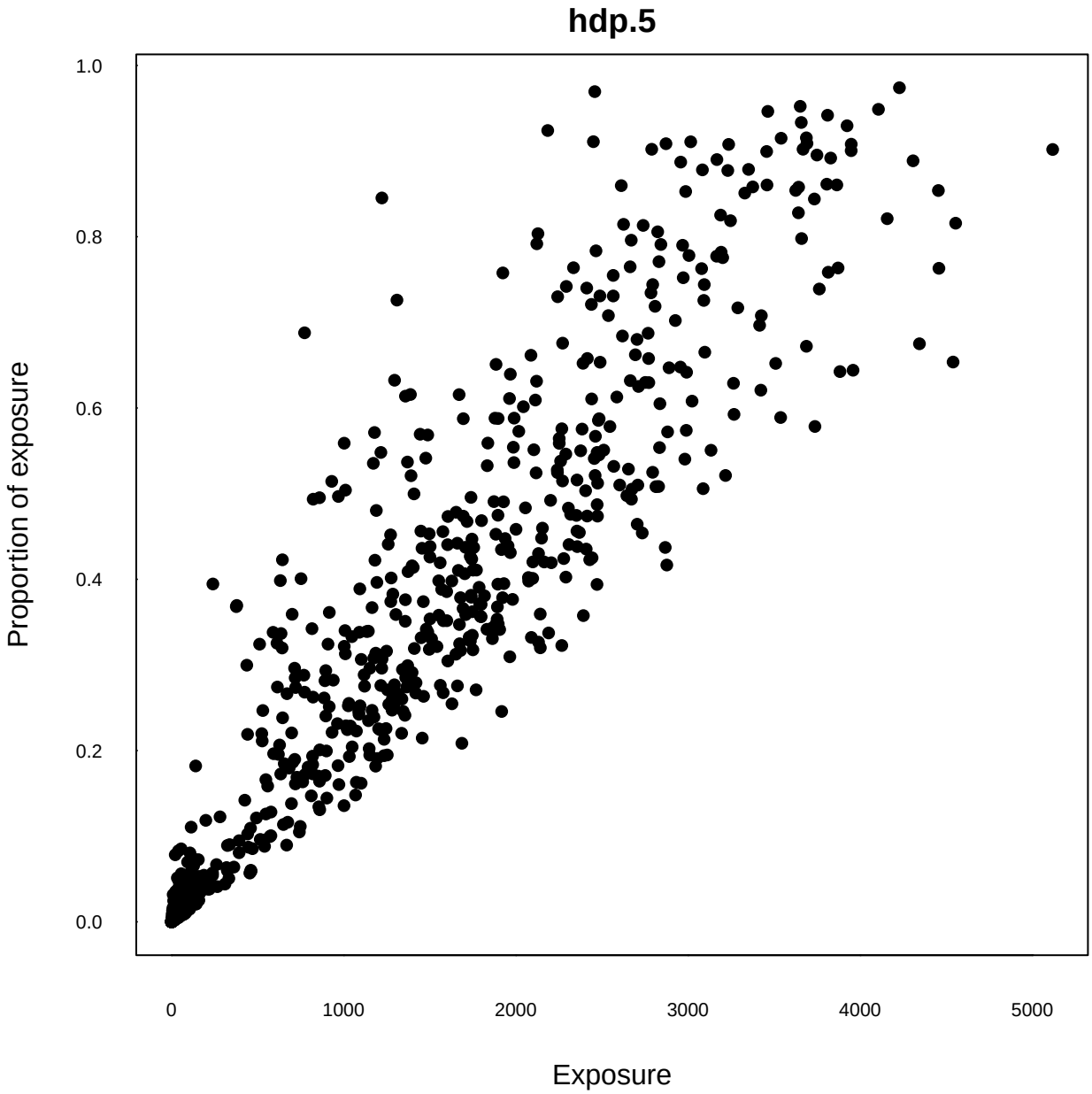

C>A
C>G
C>T
T>A
T>C
T>G
hdp.2
0.08
0.06
0.04
0.02
0.00
SP.Syn.Uterus−AdenoCA::MSI−H.S.4(0.787)
232
162
1112
218
4626
421
532
399
266
133
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.5(0.707)
418
112
1441
239
4716
375
452
339
226
113
0
SP.Syn.Biliary−AdenoCA::S.44(0.533)
355
253
655
266
1976
386
236
177
118
59
0
SP.Syn.Liver−HCC::S.17(0.478)
380
305
991
348
2582
281
308
231
154
77
0
SP.Syn.Liver−HCC::S.18(0.452)
1001
279
696
424
2070
167
252
189
126
63
0
preceded by 5'
followed by 3'
A C G T

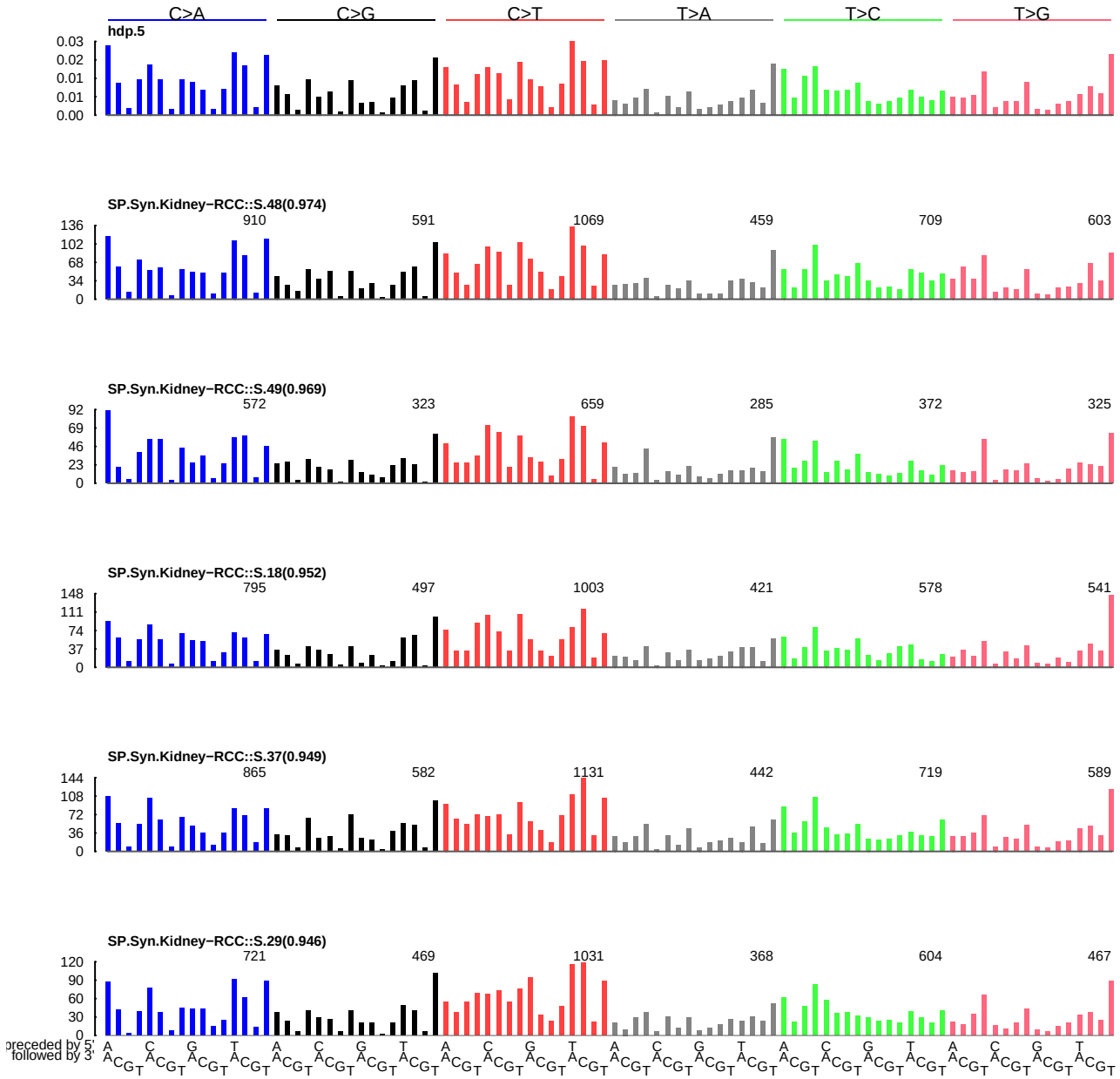

hdp.3
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
2000
4000
6000
8000
Exposure

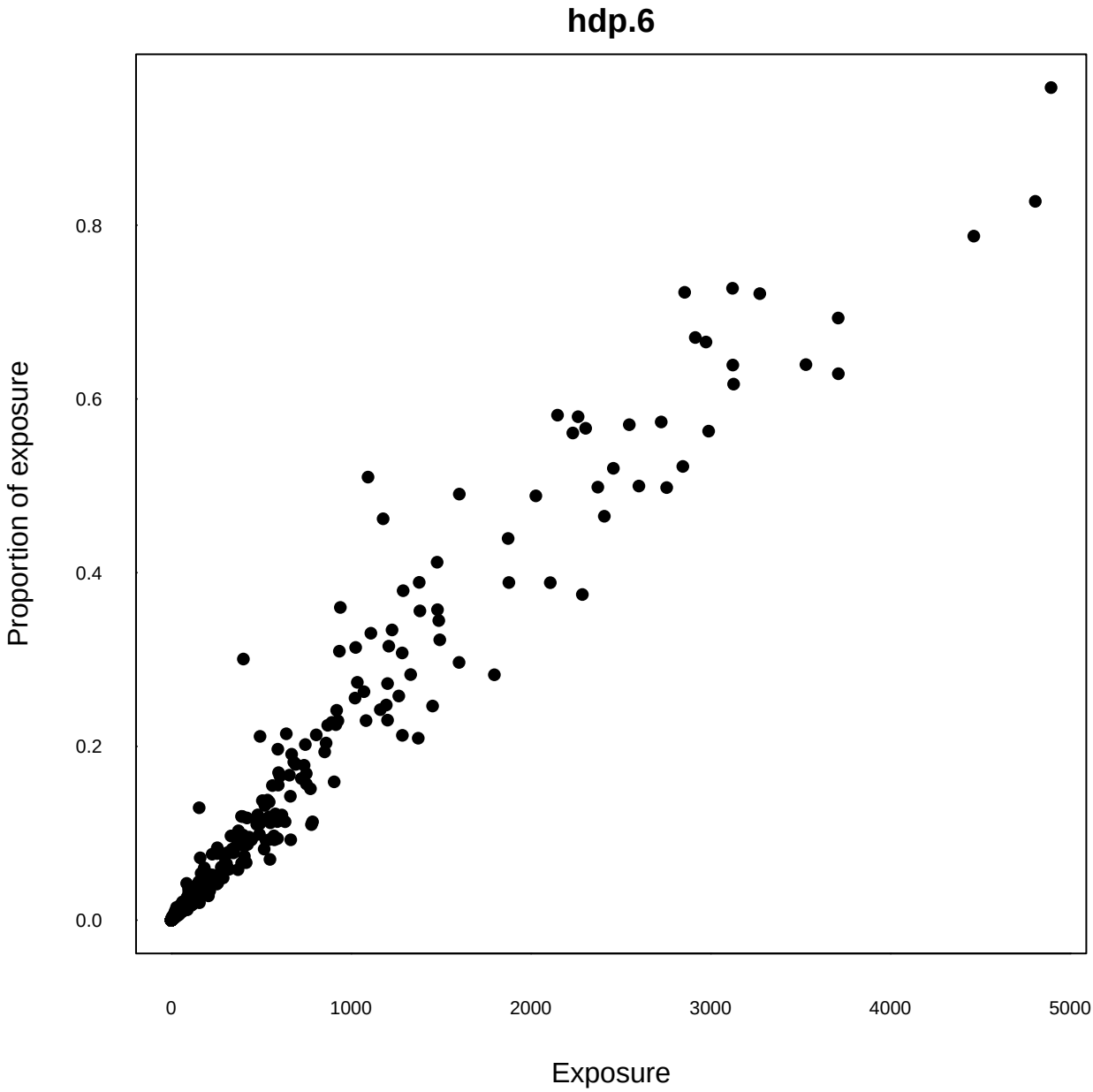

C>A
C>G
C>T
T>A
T>C
T>G
hdp.3
0.55
0.41
0.27
0.14
0.00
SP.Syn.Lung−AdenoCA::S.56(0.855)
57
51
2101
38
152
46
916
687
458
229
0
SP.Syn.Breast−AdenoCA::S.20(0.826)
76
88
3999
67
204
68
1916
1437
958
479
0
SP.Syn.Skin−Melanoma::S.31(0.789)
47
16
9909
112
113
43
3068
2301
1534
767
0
SP.Syn.Skin−Melanoma::S.20(0.776)
62
29
8119
126
190
52
2508
1881
1254
627
0
SP.Syn.Skin−Melanoma::S.38(0.748)
45
21
6125
139
368
53
2032
1524
1016
508
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

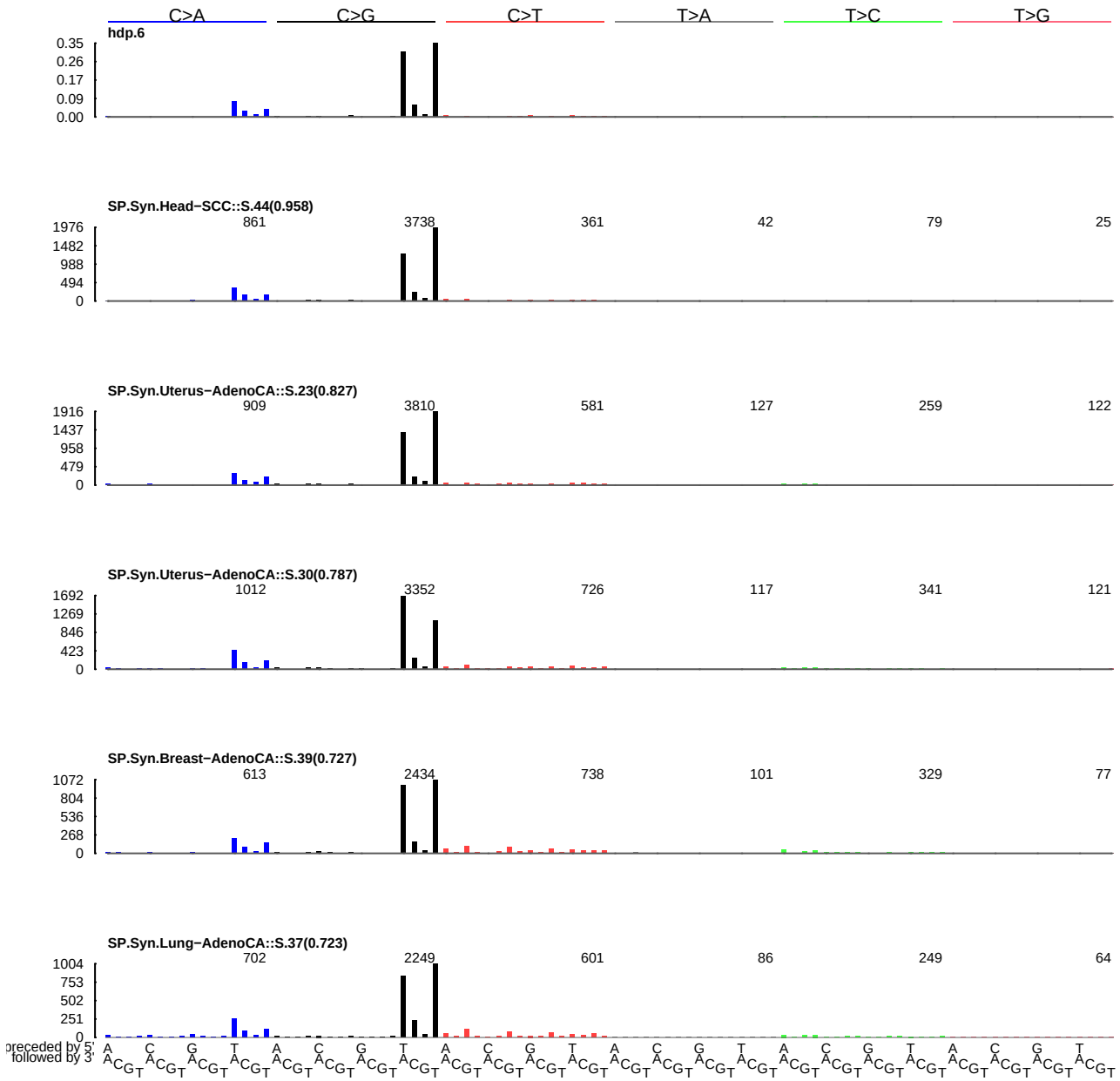

hdp.4
Proportion of exposure
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
5000
Exposure

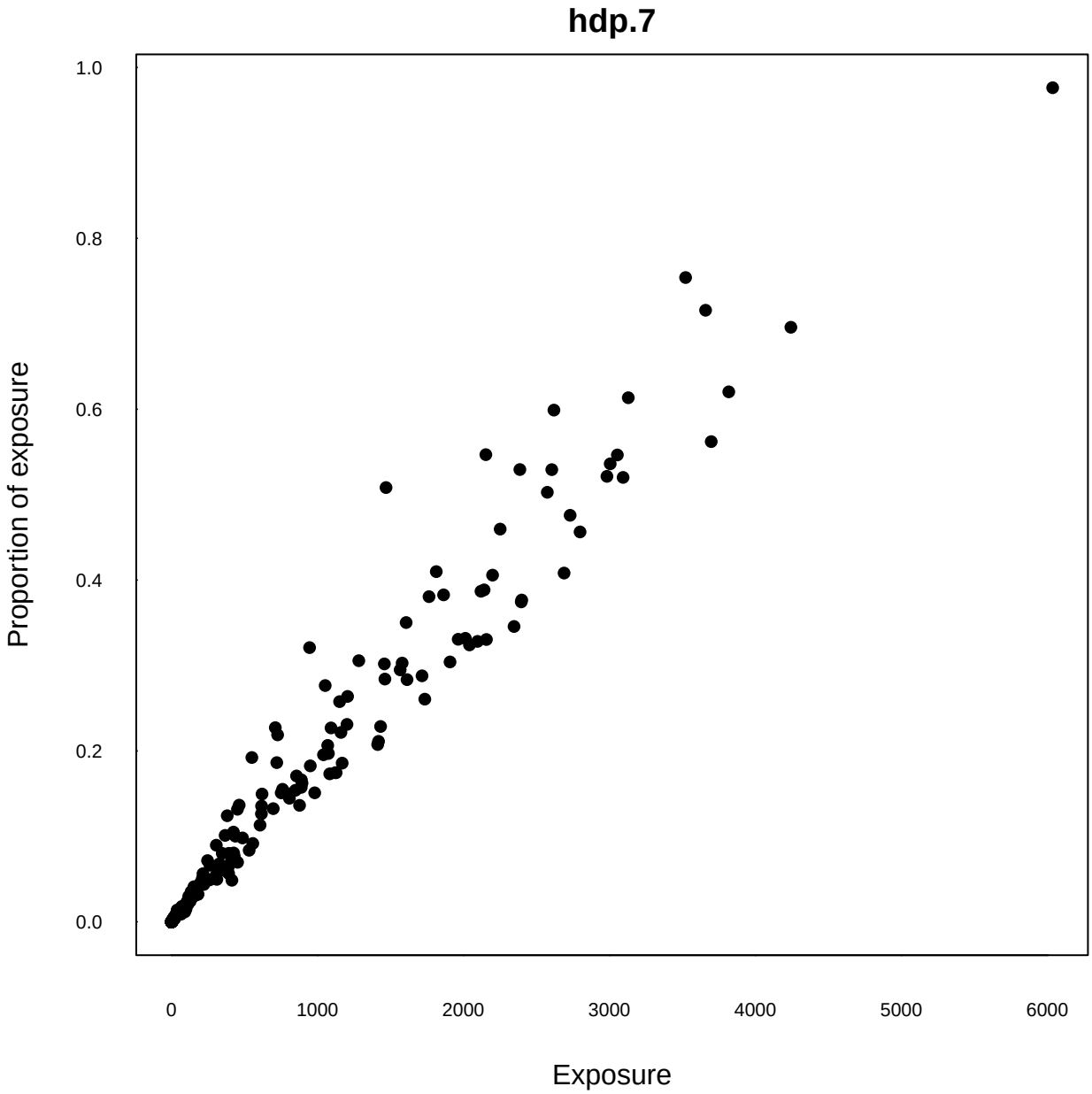

C>A
C>G
C>T
T>A
T>C
T>G
hdp.4
0.05
0.04
0.02
0.01
0.00
SP.Syn.Liver−HCC::S.22(0.98)
484
470
1561
407
1377
374
200
150
100
50
0
SP.Syn.Liver−HCC::S.10(0.975)
493
435
1303
325
1136
362
168
126
84
42
0
SP.Syn.Liver−HCC::S.59(0.959)
559
568
1471
447
1473
412
260
195
130
65
0
SP.Syn.CNS−Medullo::S.3(0.957)
50
52
155
46
169
39
24
18
12
6
0
SP.Syn.Liver−HCC::S.32(0.948)
415
337
987
325
1038
292
156
117
78
39
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

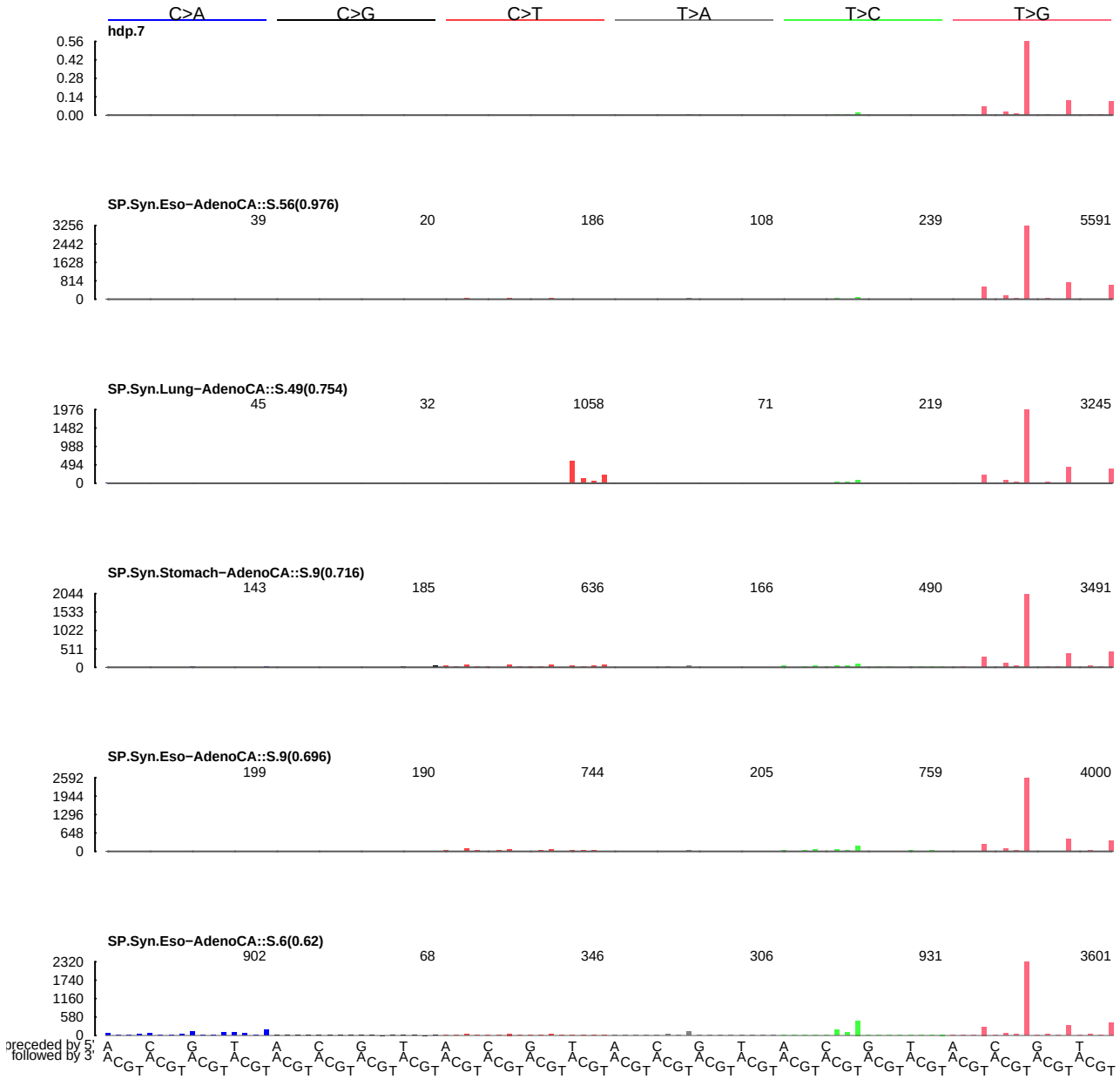

hdp.5
Proportion of exposure
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
5000
Exposure

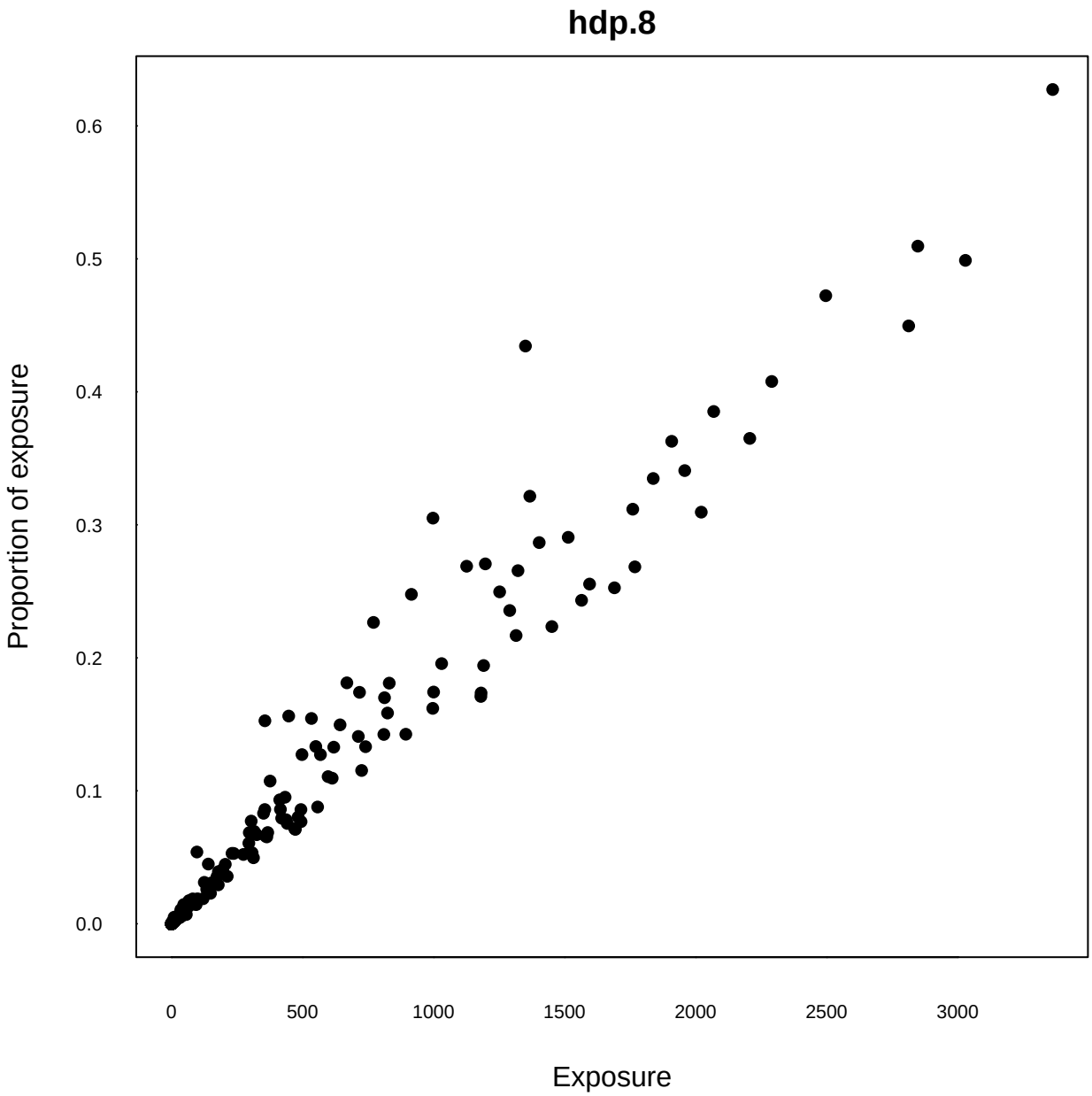

C>A
C>G
C>T
T>A
T>C
T>G
hdp.5
0.03
0.02
0.01
0.01
0.00
SP.Syn.Kidney−RCC::S.48(0.974)
910
591
1069
459
709
603
136
102
68
34
0
SP.Syn.Kidney−RCC::S.49(0.969)
572
323
659
285
372
325
92
69
46
23
0
SP.Syn.Kidney−RCC::S.18(0.952)
795
497
1003
421
578
541
148
111
74
37
0
SP.Syn.Kidney−RCC::S.37(0.949)
865
582
1131
442
719
589
144
108
72
36
0
SP.Syn.Kidney−RCC::S.29(0.946)
721
469
1031
368
604
467
120
90
60
30
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

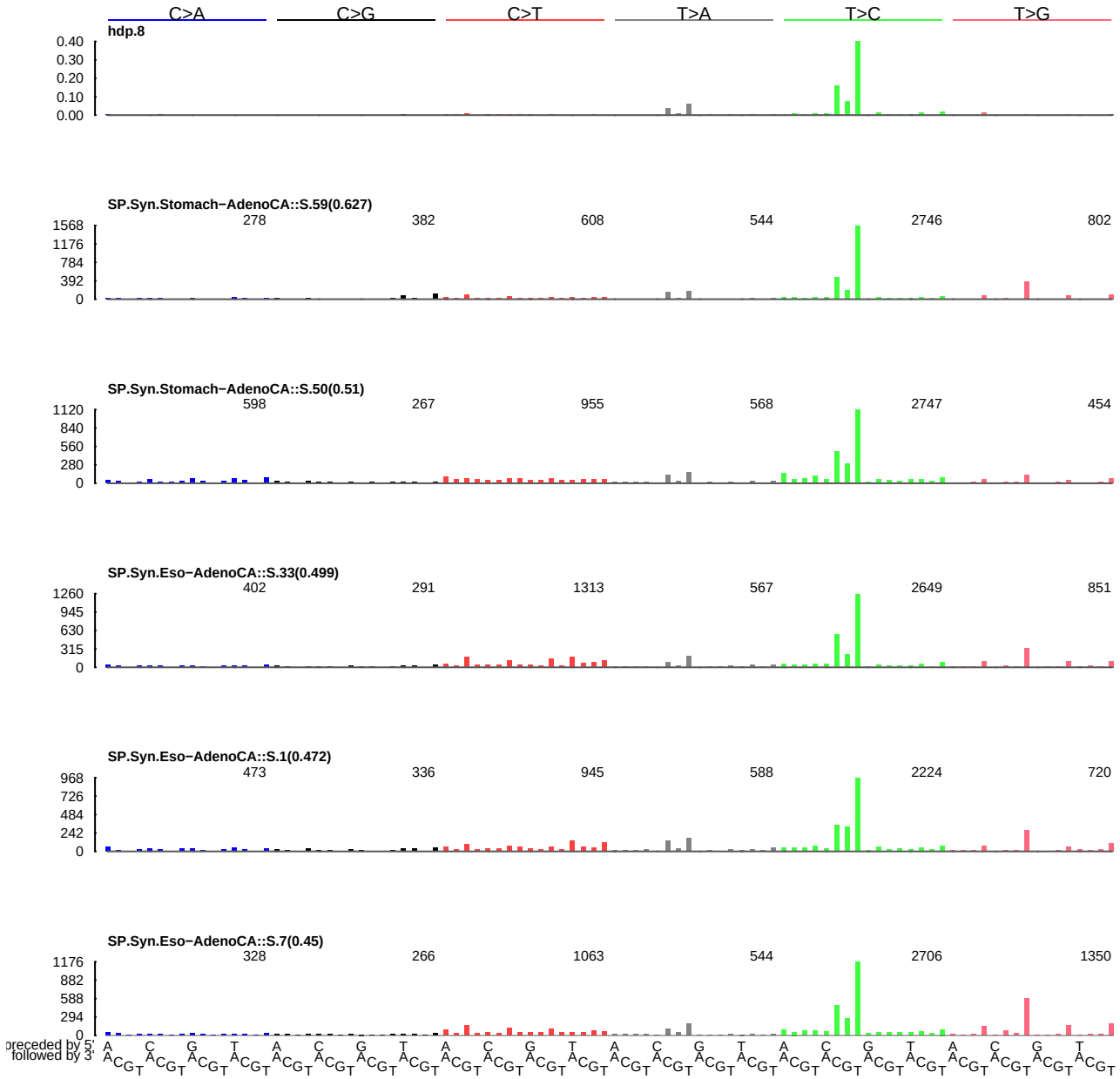

hdp.6
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
5000
Exposure

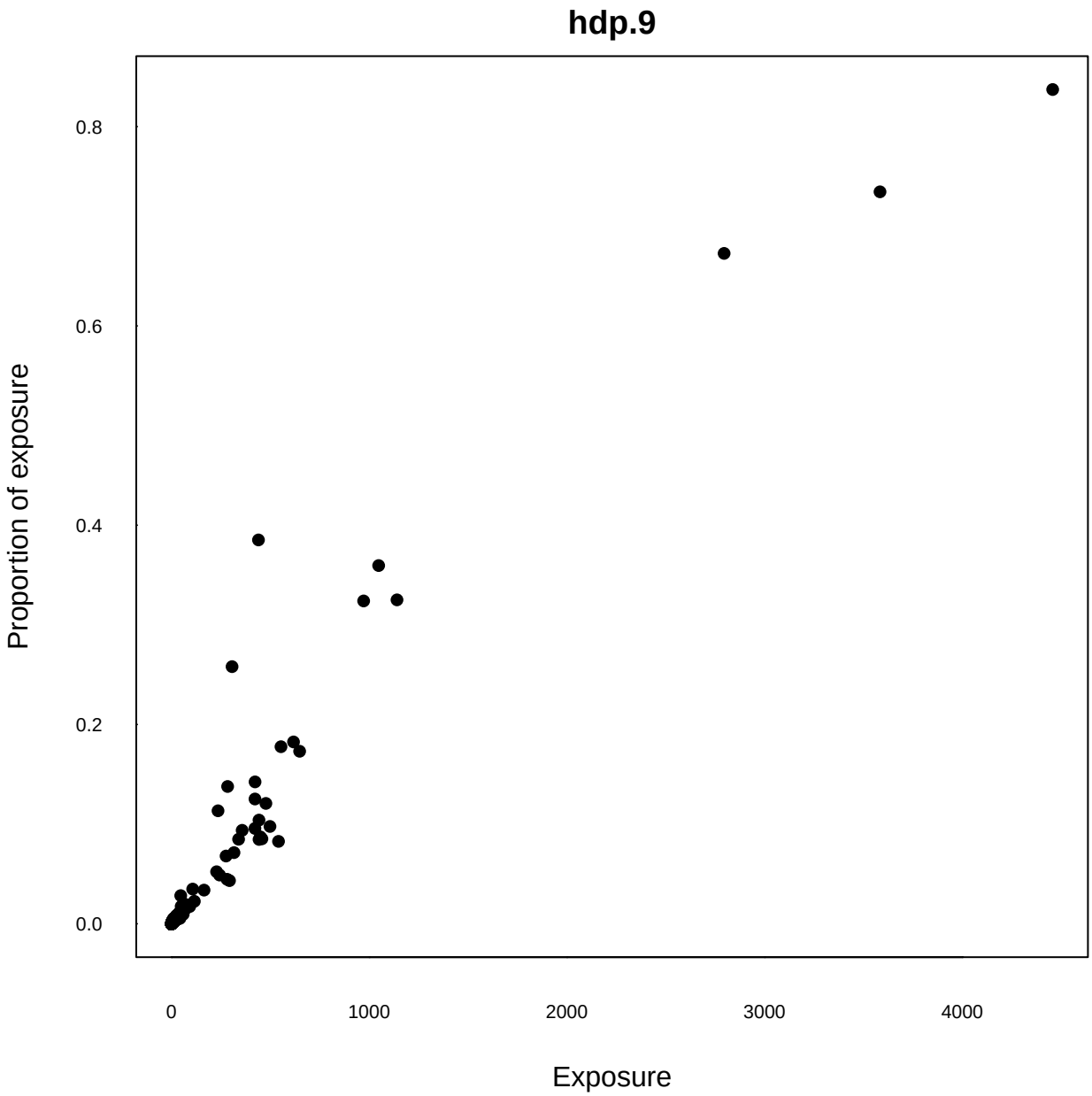

C>A
C>G
C>T
T>A
T>C
T>G
hdp.6
0.35
0.26
0.17
0.09
0.00
SP.Syn.Head−SCC::S.44(0.958)
861
3738
361
42
79
25
1976
1482
988
494
0
SP.Syn.Uterus−AdenoCA::S.23(0.827)
909
3810
581
127
259
122
1916
1437
958
479
0
SP.Syn.Uterus−AdenoCA::S.30(0.787)
1012
3352
726
117
341
121
1692
1269
846
423
0
SP.Syn.Breast−AdenoCA::S.39(0.727)
613
2434
738
101
329
77
1072
804
536
268
0
SP.Syn.Lung−AdenoCA::S.37(0.723)
702
2249
601
86
249
64
1004
753
502
251
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

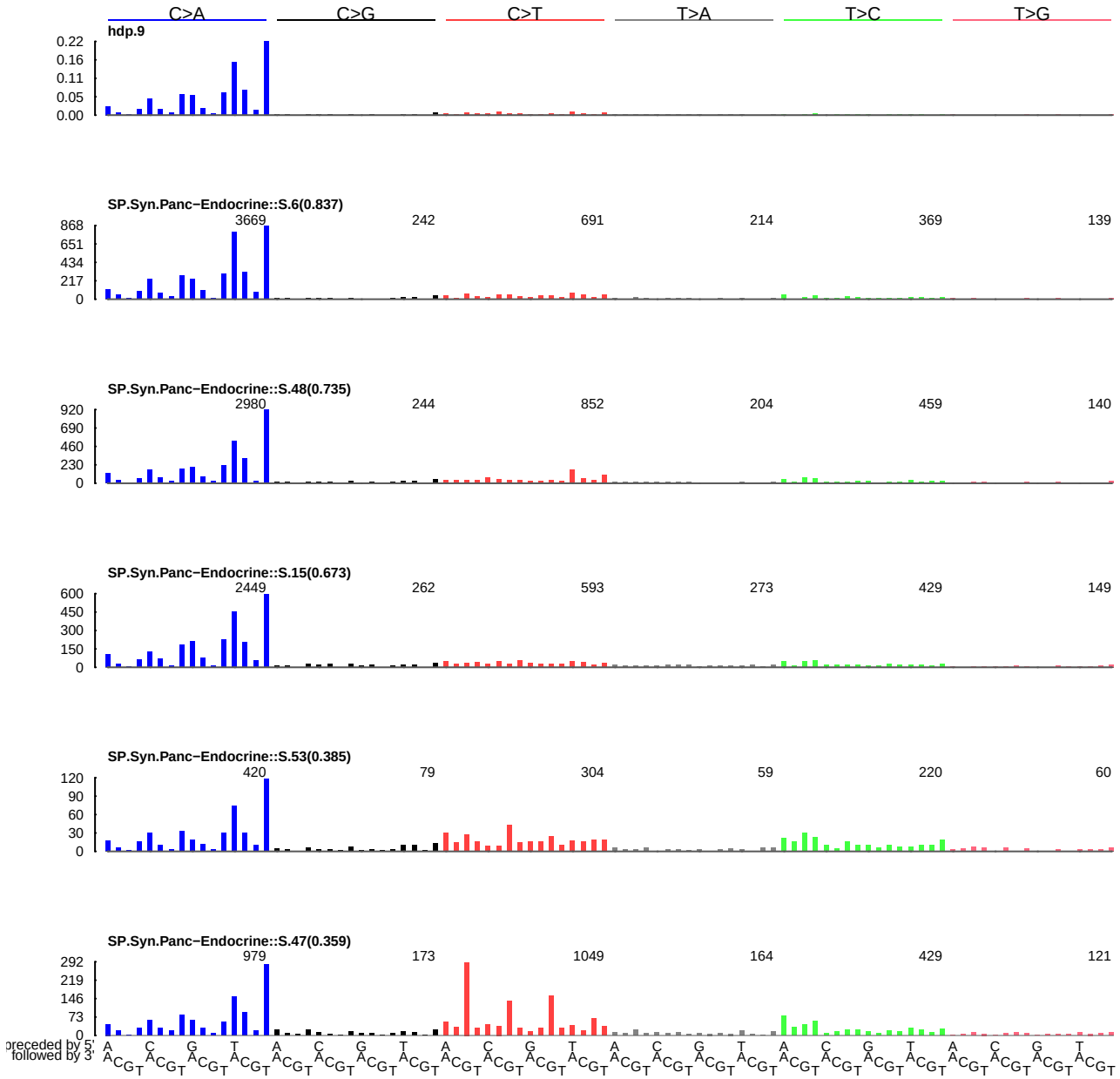

hdp.7
Proportion of exposure
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
5000
6000
Exposure

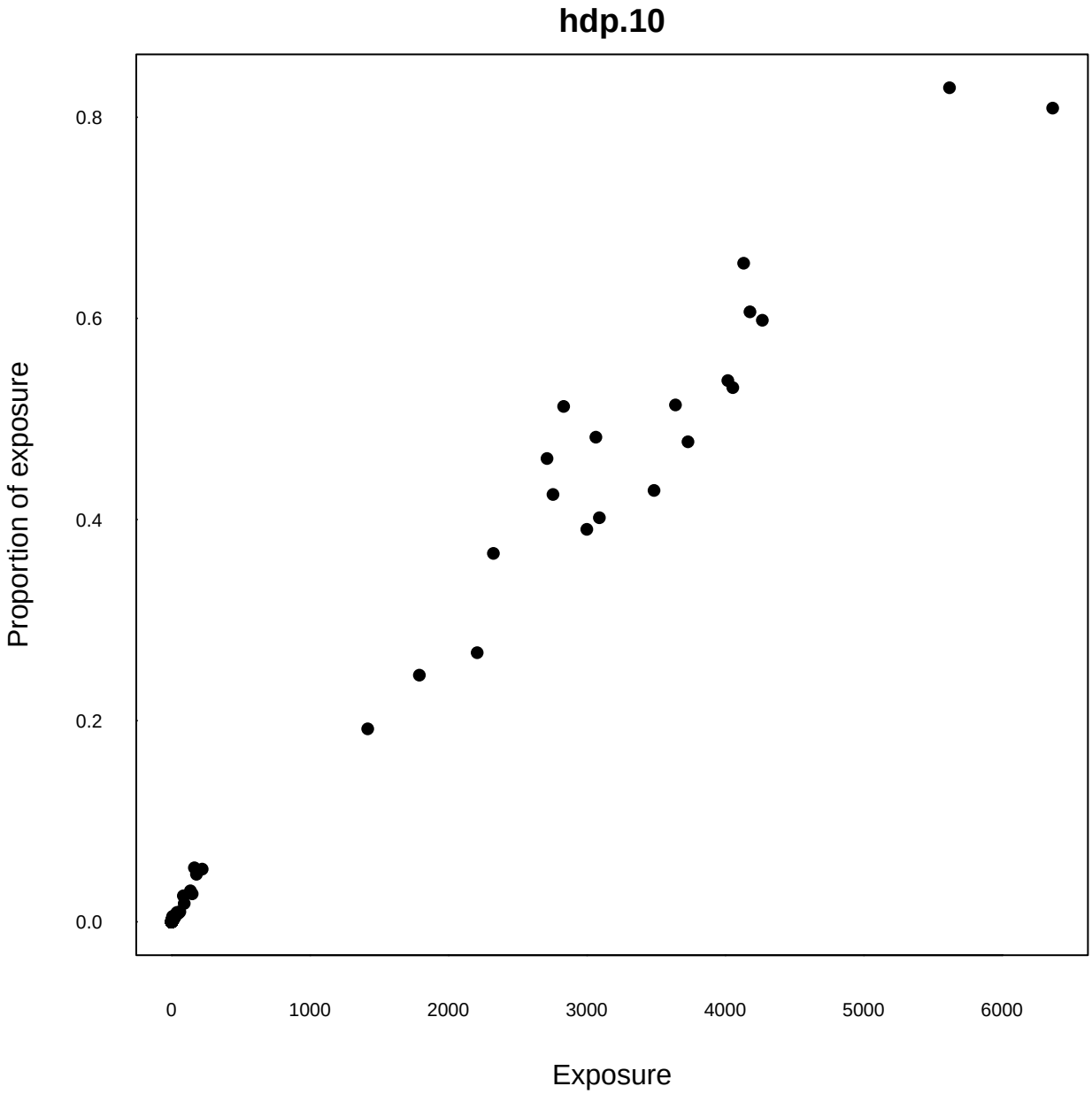

C>A
C>G
C>T
T>A
T>C
T>G
hdp.7
0.56
0.42
0.28
0.14
0.00
SP.Syn.Eso−AdenoCA::S.56(0.976)
39
20
186
108
239
5591
3256
2442
1628
814
0
SP.Syn.Lung−AdenoCA::S.49(0.754)
45
32
1058
71
219
3245
1976
1482
988
494
0
SP.Syn.Stomach−AdenoCA::S.9(0.716)
143
185
636
166
490
3491
2044
1533
1022
511
0
SP.Syn.Eso−AdenoCA::S.9(0.696)
199
190
744
205
759
4000
2592
1944
1296
648
0
SP.Syn.Eso−AdenoCA::S.6(0.62)
902
68
346
306
931
3601
2320
1740
1160
580
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

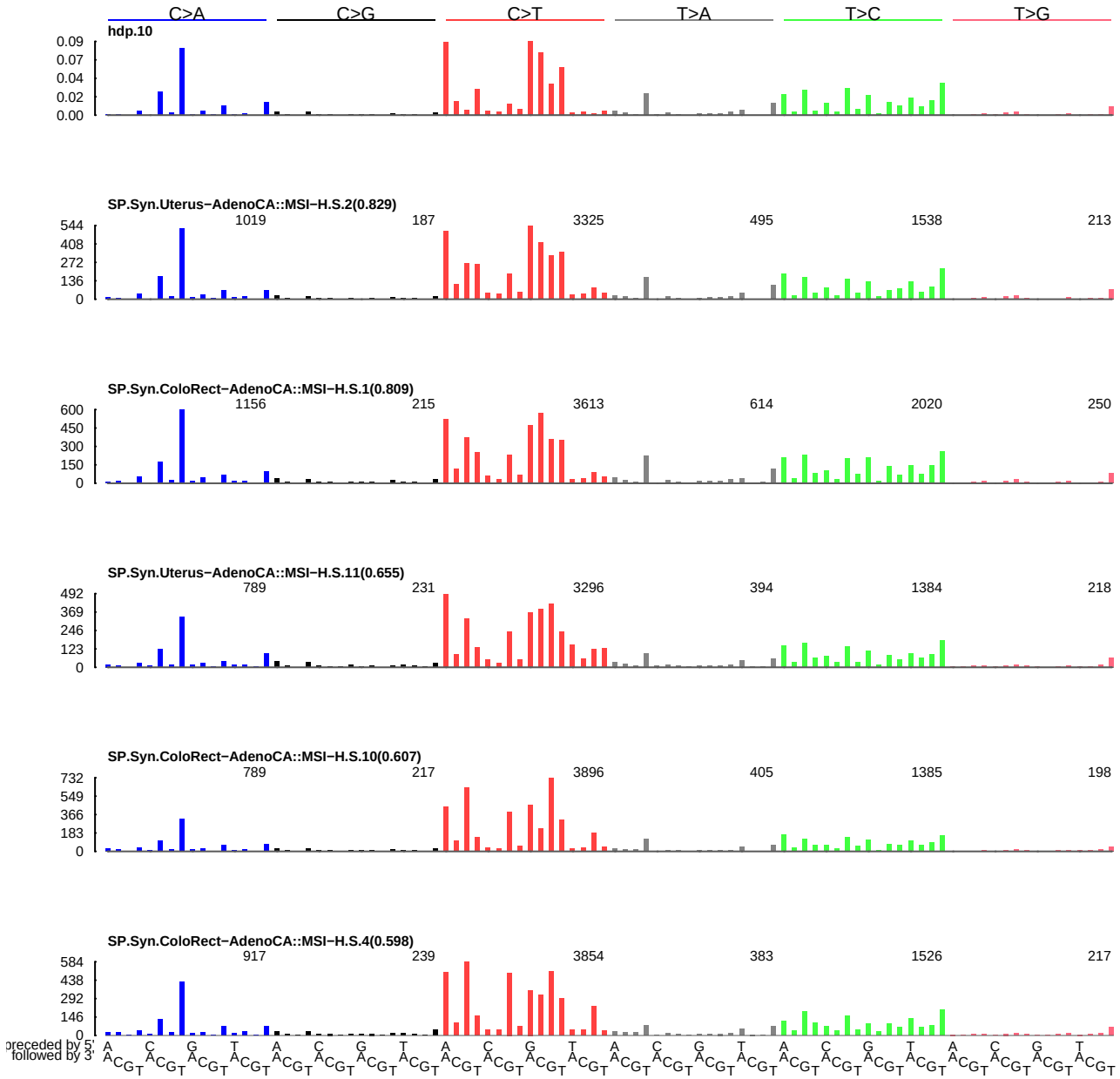

hdp.8
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
2500
3000
Exposure

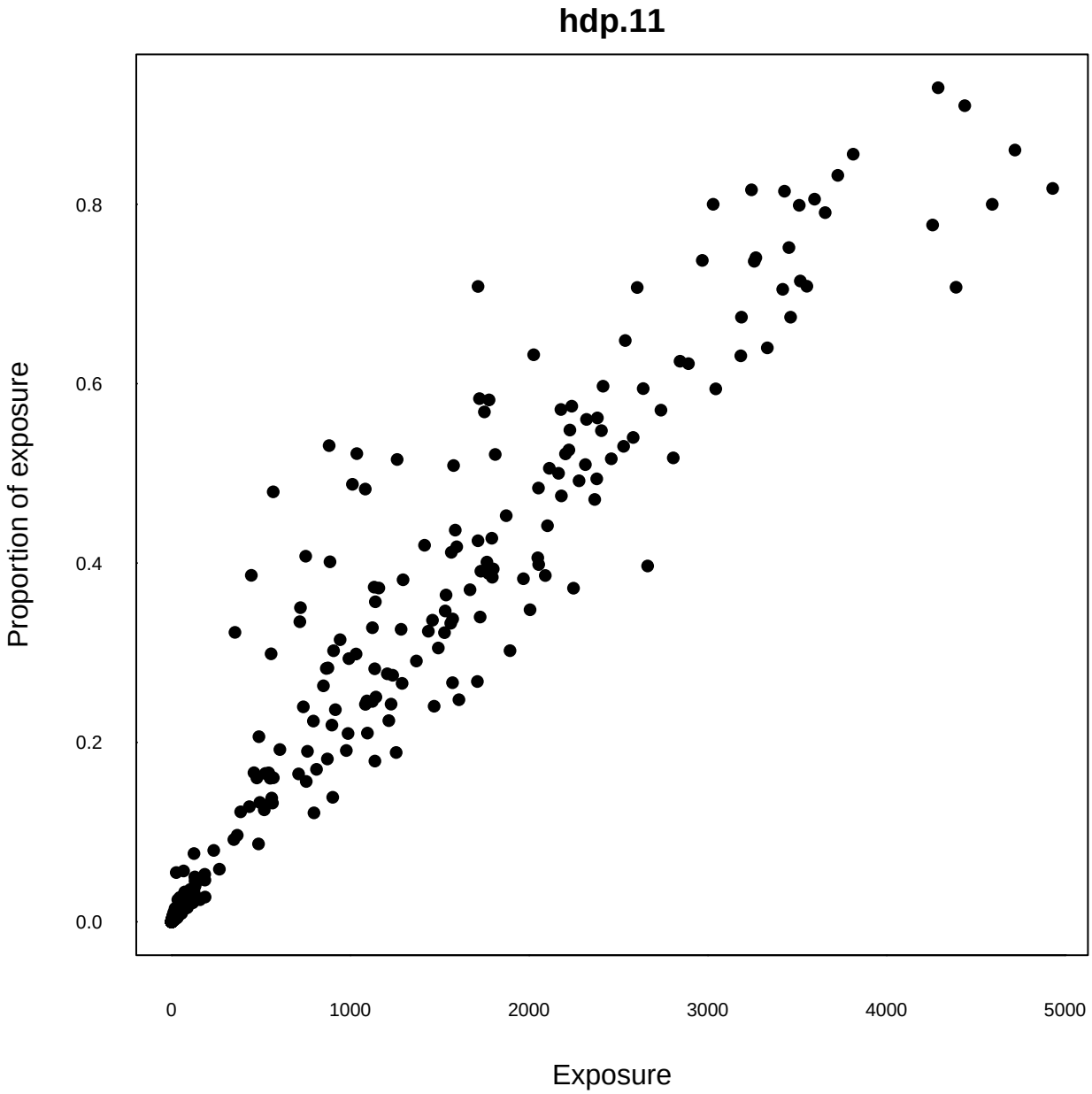

C>A
C>G
C>T
T>A
T>C
T>G
hdp.8
0.40
0.30
0.20
0.10
0.00
SP.Syn.Stomach−AdenoCA::S.59(0.627)
278
382
608
544
2746
802
1568
1176
784
392
0
SP.Syn.Stomach−AdenoCA::S.50(0.51)
598
267
955
568
2747
454
1120
840
560
280
0
SP.Syn.Eso−AdenoCA::S.33(0.499)
402
291
1313
567
2649
851
1260
945
630
315
0
SP.Syn.Eso−AdenoCA::S.1(0.472)
473
336
945
588
2224
720
968
726
484
242
0
SP.Syn.Eso−AdenoCA::S.7(0.45)
328
266
1063
544
2706
1350
1176
882
588
294
0
preceded by 5'
followed by 3'

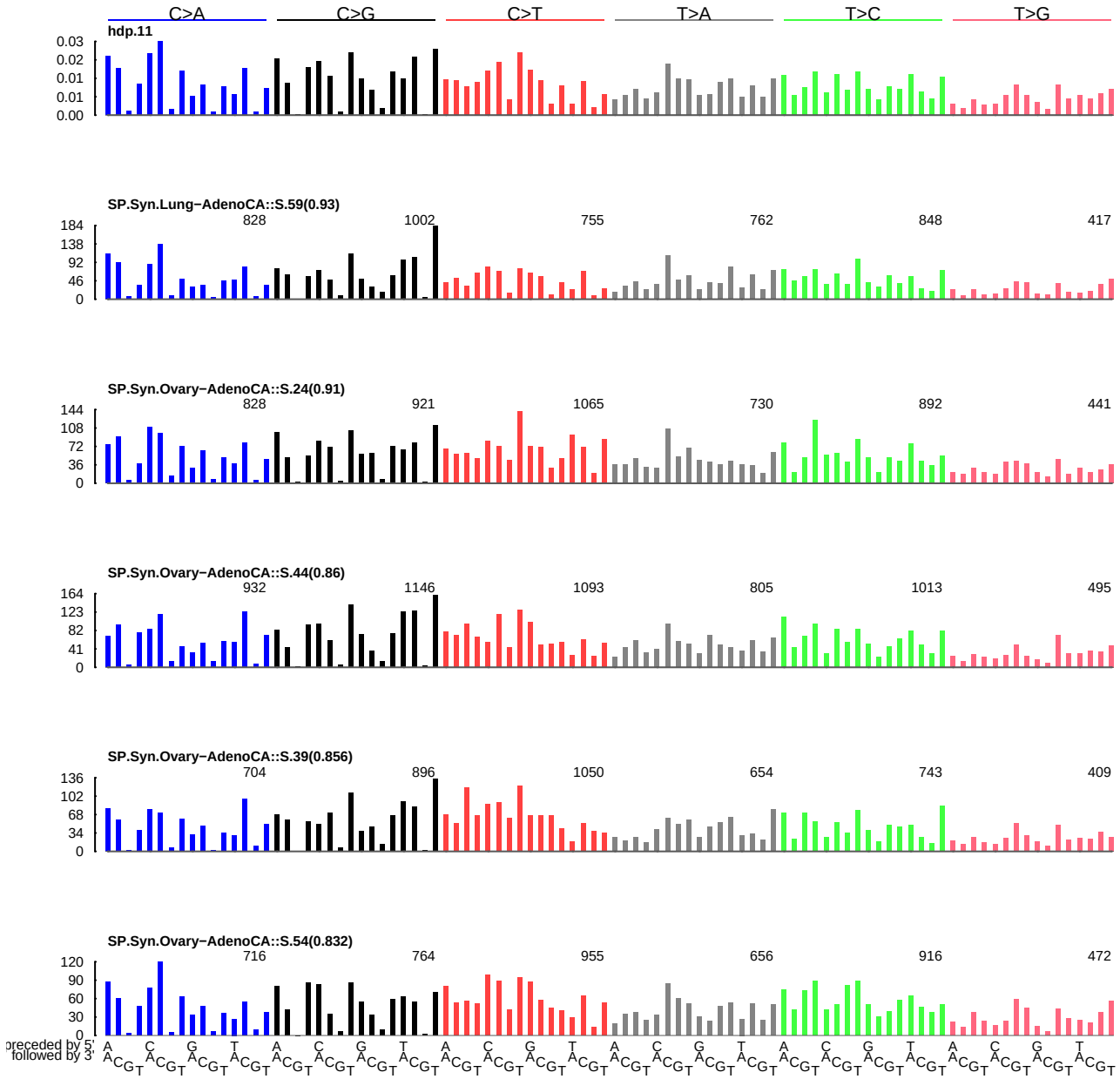

hdp.9
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
Exposure

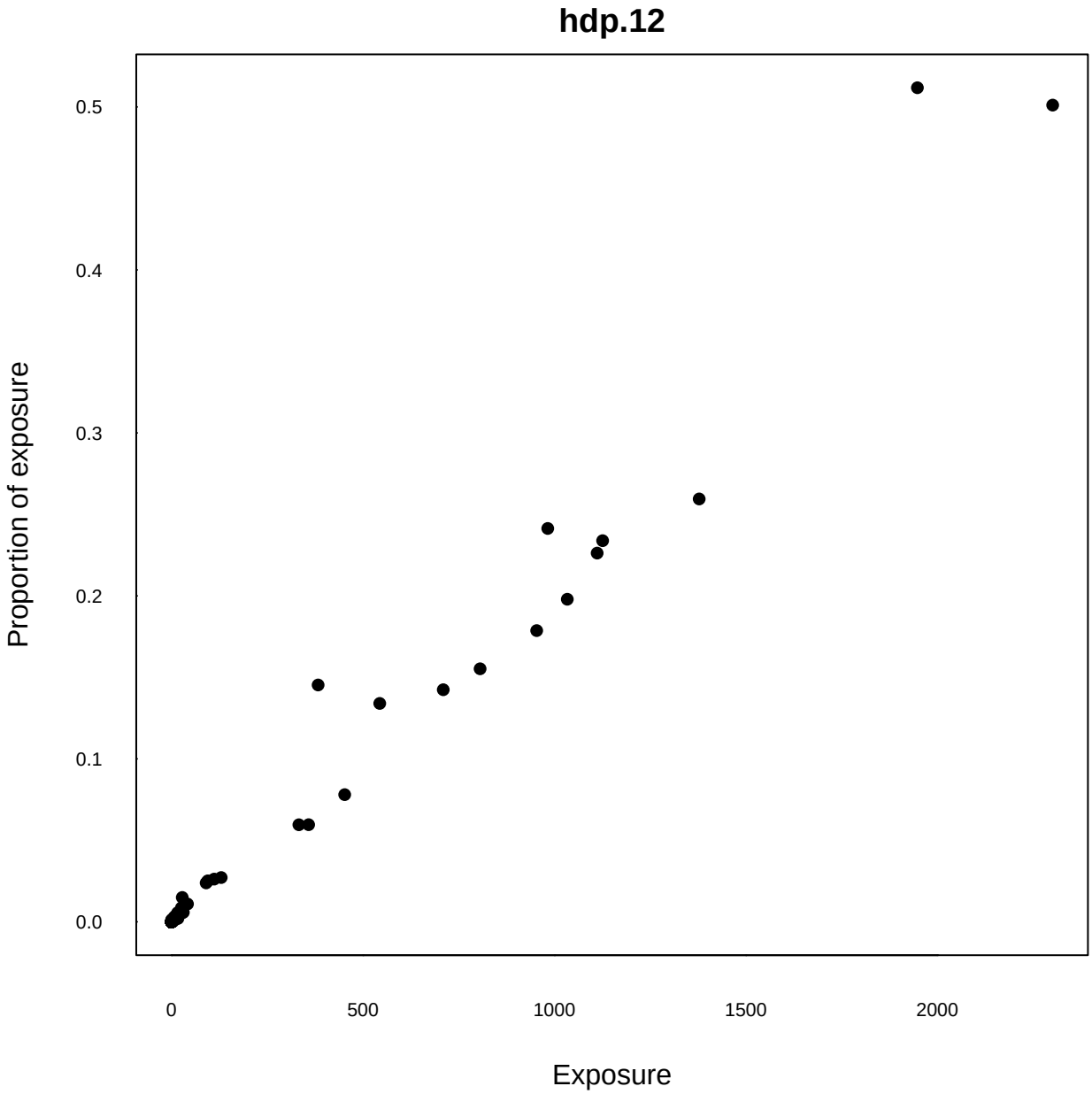

C>A
C>G
C>T
T>A
T>C
T>G
hdp.9
0.22
0.16
0.11
0.05
0.00
SP.Syn.Panc−Endocrine::S.6(0.837)
3669
242
691
214
369
139
868
651
434
217
0
SP.Syn.Panc−Endocrine::S.48(0.735)
2980
244
852
204
459
140
920
690
460
230
0
SP.Syn.Panc−Endocrine::S.15(0.673)
2449
262
593
273
429
149
600
450
300
150
0
SP.Syn.Panc−Endocrine::S.53(0.385)
420
79
304
59
220
60
120
90
60
30
0
SP.Syn.Panc−Endocrine::S.47(0.359)
979
173
1049
164
429
121
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

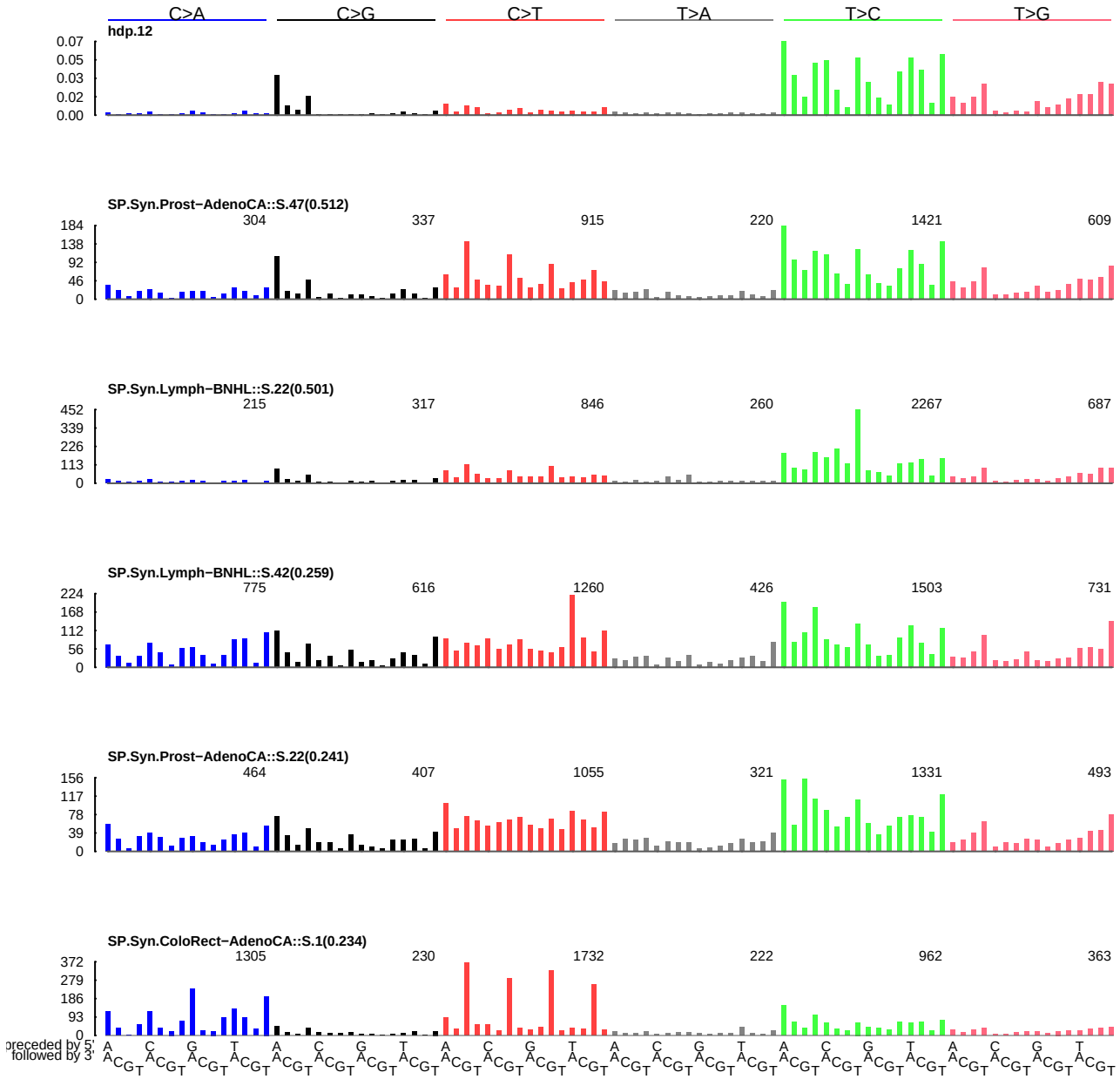

hdp.10
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
5000
6000
Exposure

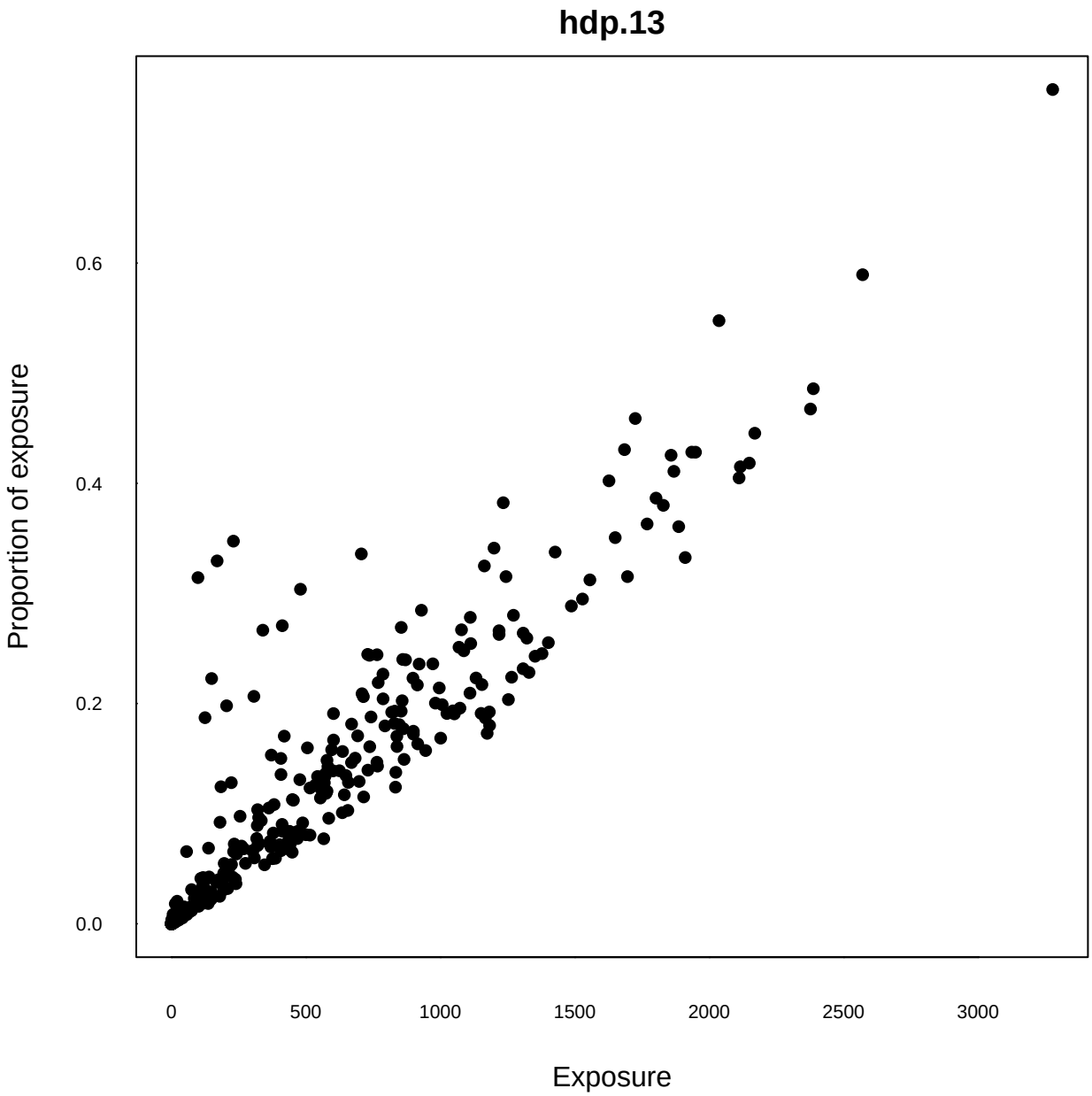

C>A
C>G
C>T
T>A
T>C
T>G
hdp.10
0.09
0.07
0.04
0.02
0.00
SP.Syn.Uterus−AdenoCA::MSI−H.S.2(0.829)
1019
187
3325
495
1538
213
544
408
272
136
0
SP.Syn.ColoRect−AdenoCA::MSI−H.S.1(0.809)
1156
215
3613
614
2020
250
600
450
300
150
0
SP.Syn.Uterus−AdenoCA::MSI−H.S.11(0.655)
789
231
3296
394
1384
218
492
369
246
123
0
SP.Syn.ColoRect−AdenoCA::MSI−H.S.10(0.607)
789
217
3896
405
1385
198
732
549
366
183
0
SP.Syn.ColoRect−AdenoCA::MSI−H.S.4(0.598)
917
239
3854
383
1526
217
584
438
292
146
0
preceded by 5'
followed by 3'

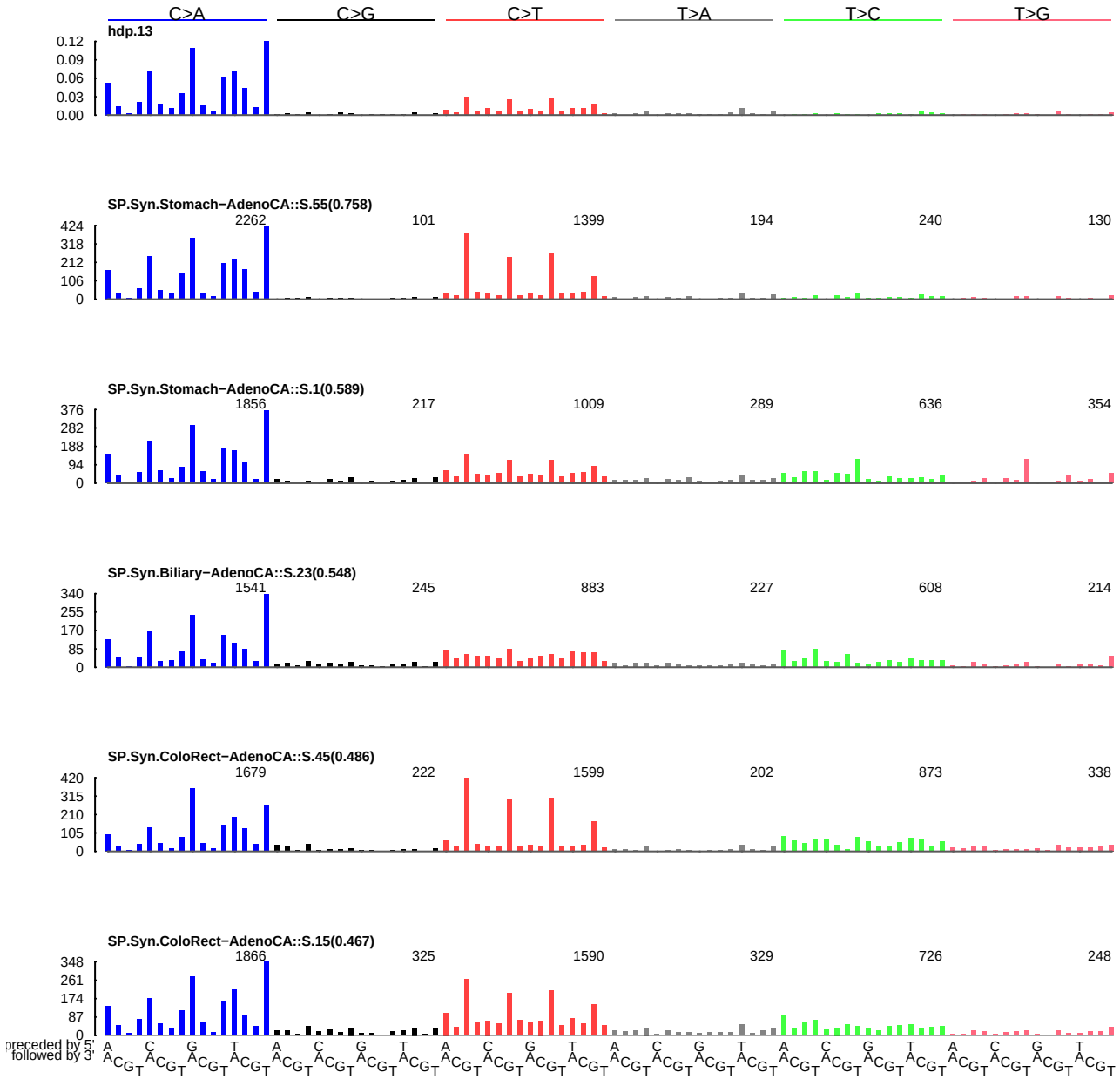

hdp.11
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
5000
Exposure

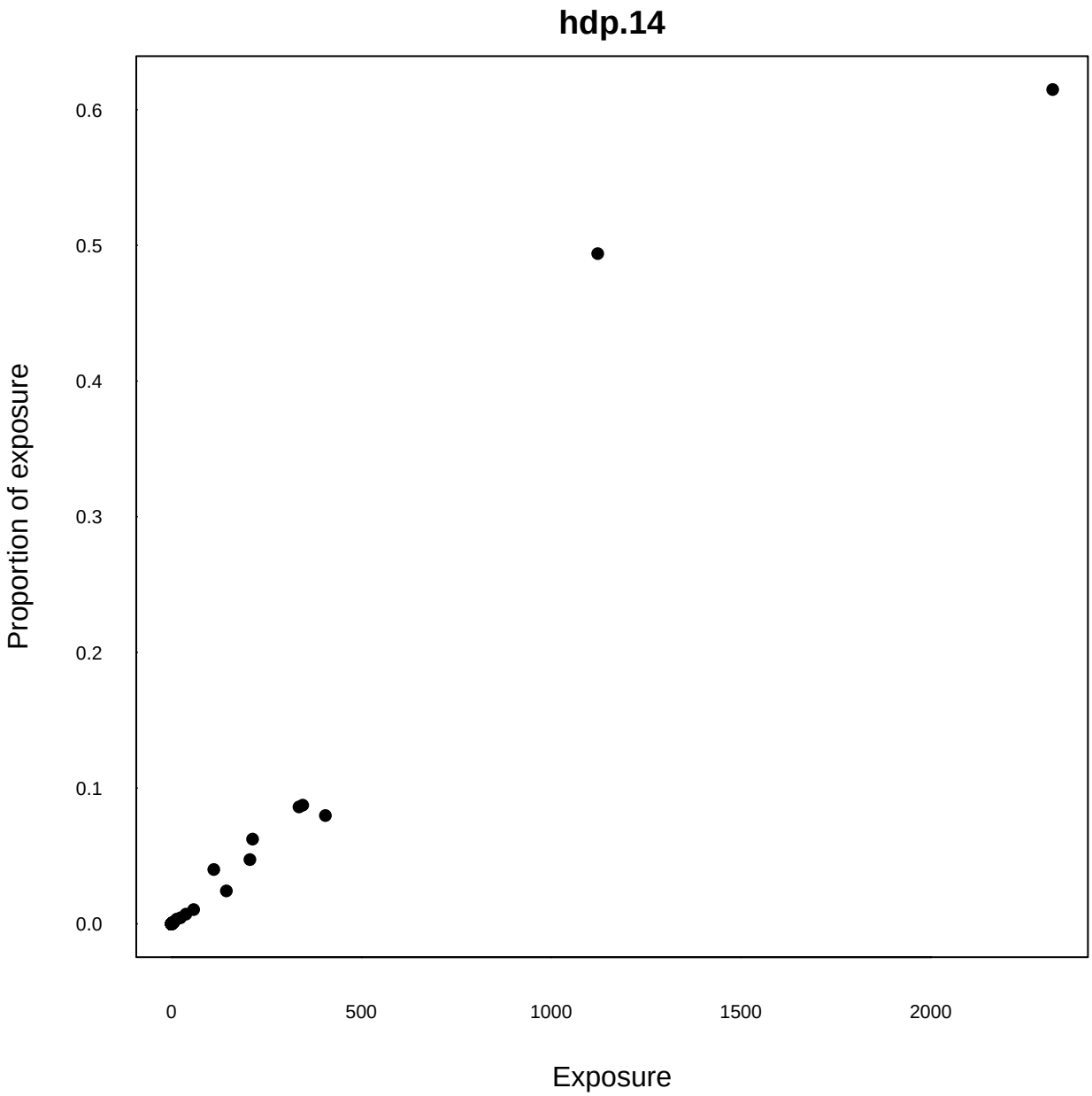

C>A
C>G
C>T
T>A
T>C
T>G
hdp.11
0.03
0.02
0.01
0.01
0.00
SP.Syn.Lung−AdenoCA::S.59(0.93)
828
1002
755
762
848
417
184
138
92
46
0
SP.Syn.Ovary−AdenoCA::S.24(0.91)
828
921
1065
730
892
441
144
108
72
36
0
SP.Syn.Ovary−AdenoCA::S.44(0.86)
932
1146
1093
805
1013
495
164
123
82
41
0
SP.Syn.Ovary−AdenoCA::S.39(0.856)
704
896
1050
654
743
409
136
102
68
34
0
SP.Syn.Ovary−AdenoCA::S.54(0.832)
716
764
955
656
916
472
120
90
60
30
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

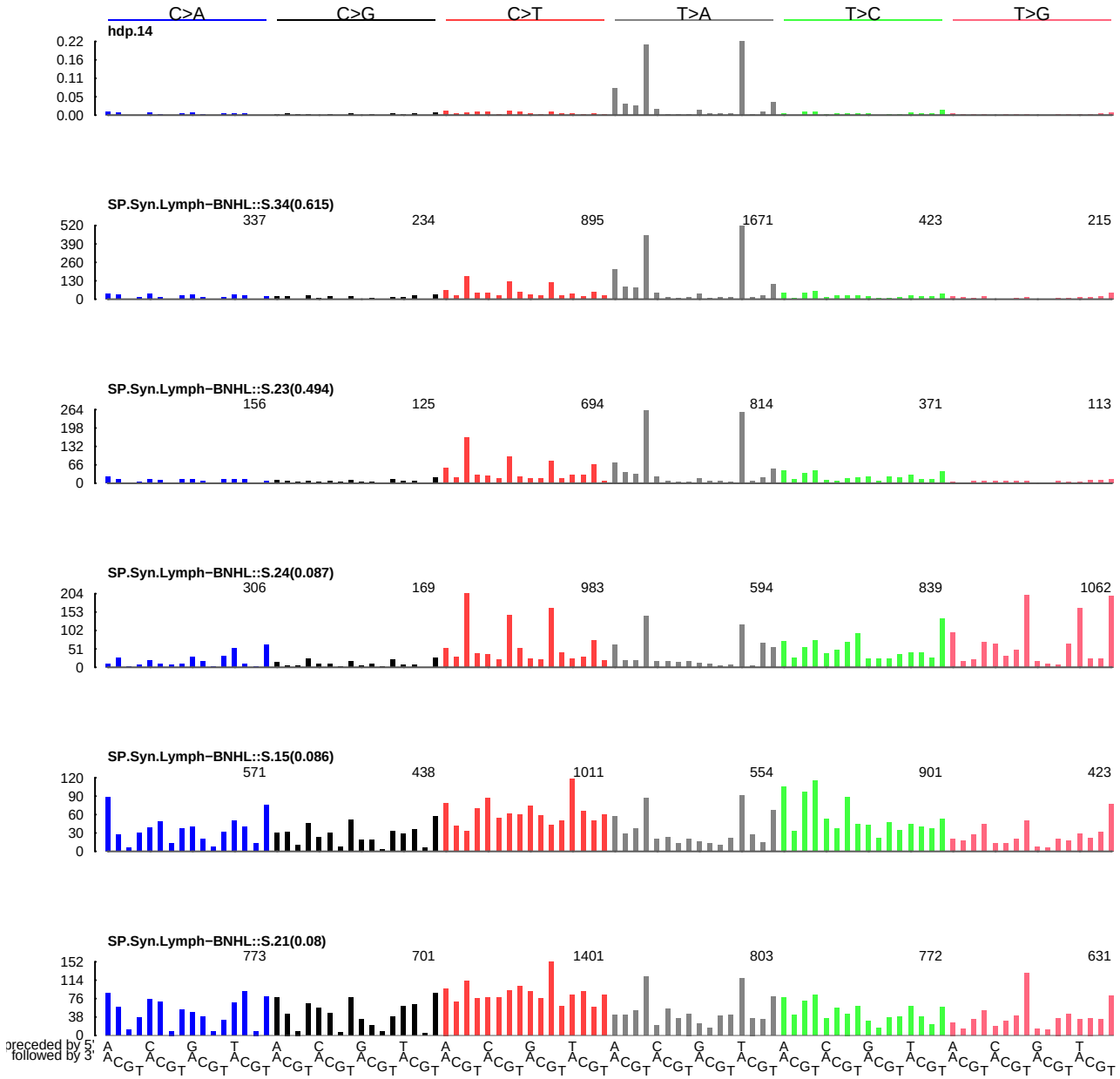

hdp.12
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
500
1000
1500
2000
Exposure

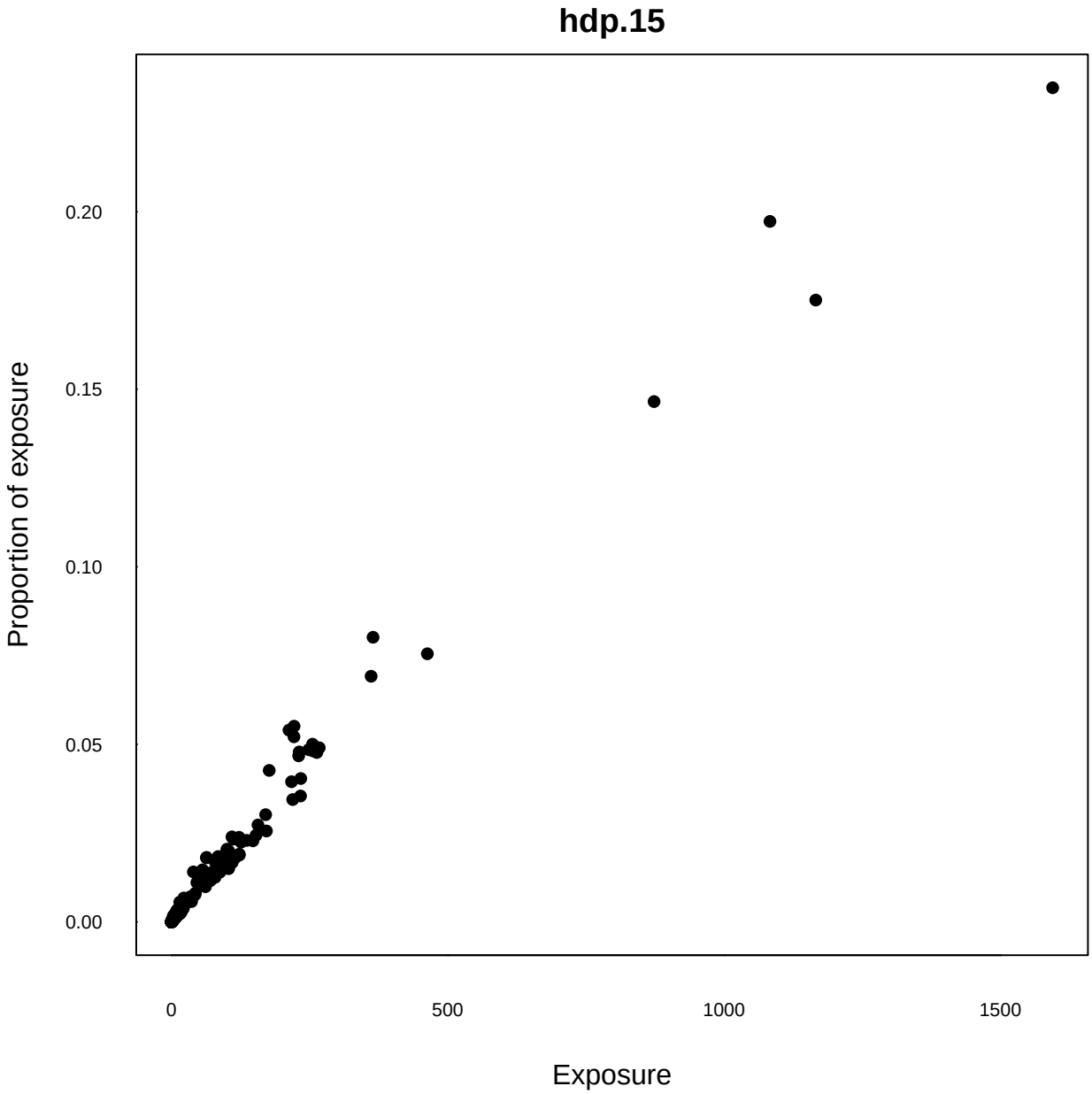

C>A
C>G
C>T
T>A
T>C
T>G
hdp.12
0.07
0.05
0.03
0.02
0.00
SP.Syn.Prost−AdenoCA::S.47(0.512)
304
337
915
220
1421
609
184
138
92
46
0
SP.Syn.Lymph−BNHL::S.22(0.501)
215
317
846
260
2267
687
452
339
226
113
0
SP.Syn.Lymph−BNHL::S.42(0.259)
775
616
1260
426
1503
731
224
168
112
56
0
SP.Syn.Prost−AdenoCA::S.22(0.241)
464
407
1055
321
1331
493
156
117
78
39
0
SP.Syn.ColoRect−AdenoCA::S.1(0.234)
1305
230
1732
222
962
363
372
279
186
93
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

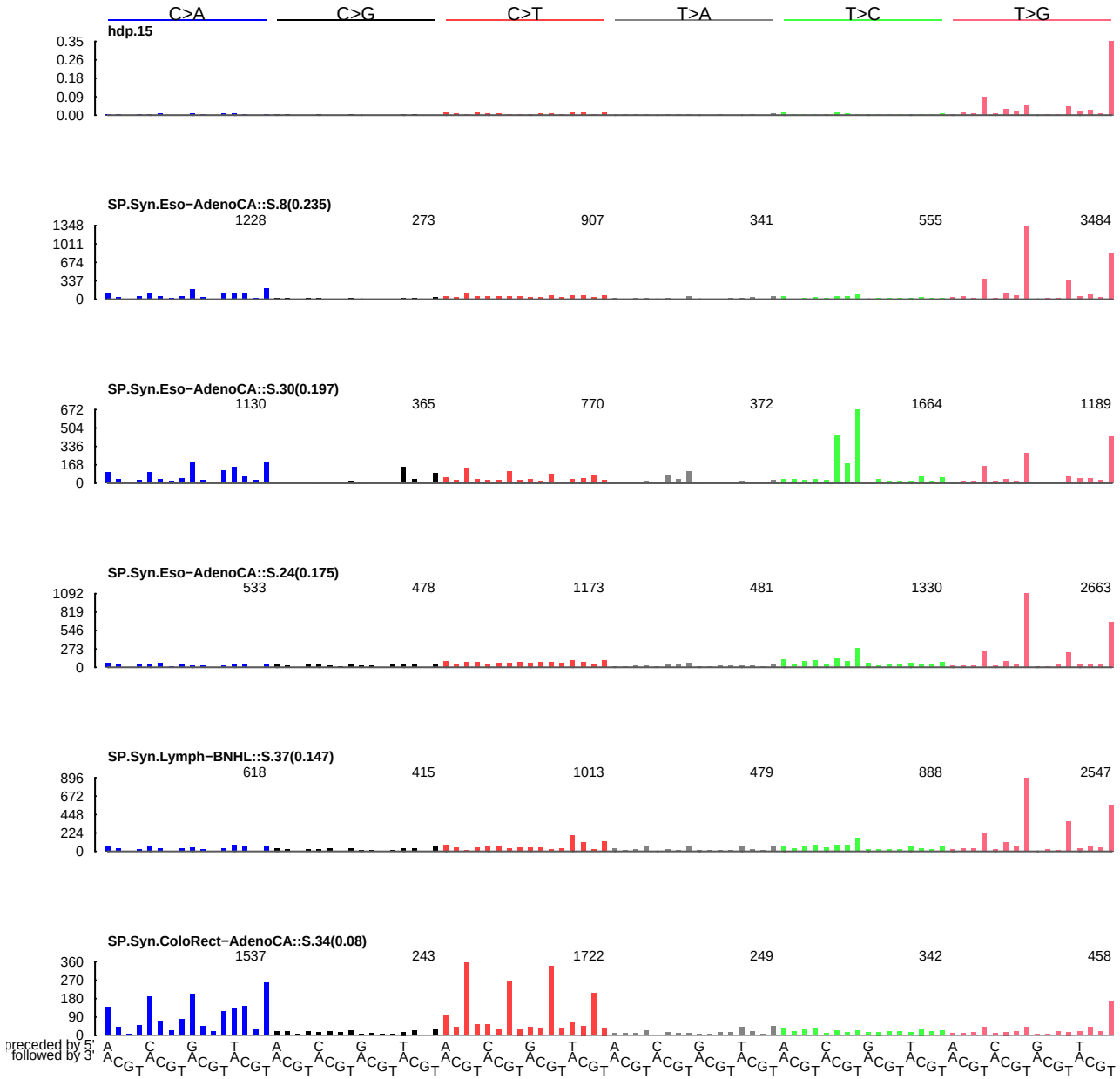

hdp.13
Proportion of exposure
0.0
0.2
0.4
0.6
0
500
1000
1500
2000
2500
3000
Exposure

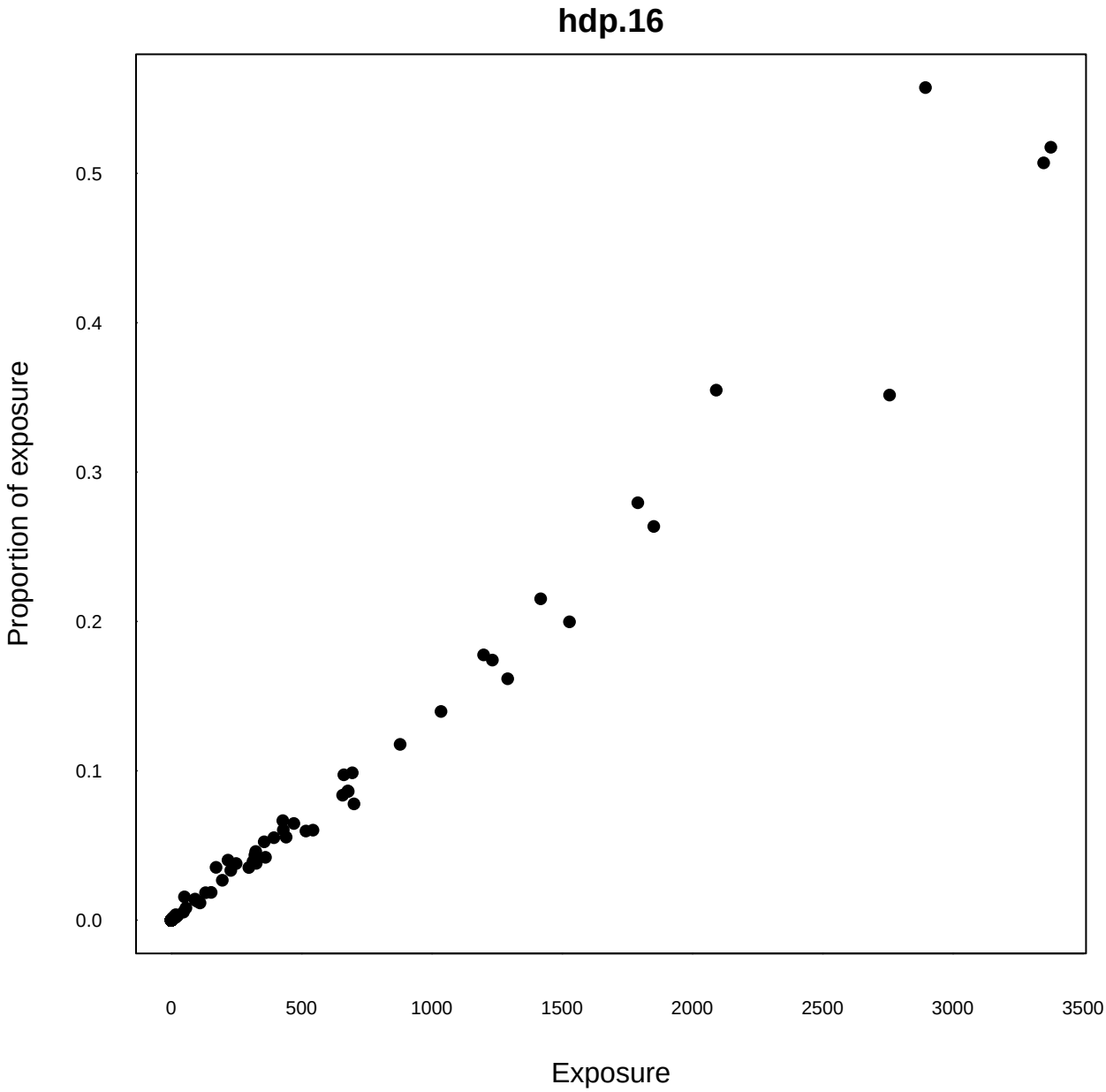

C>A
C>G
C>T
T>A
T>C
T>G
hdp.13
0.12
0.09
0.06
0.03
0.00
SP.Syn.Stomach−AdenoCA::S.55(0.758)
2262
101
1399
194
240
130
424
318
212
106
0
SP.Syn.Stomach−AdenoCA::S.1(0.589)
1856
217
1009
289
636
354
376
282
188
94
0
SP.Syn.Biliary−AdenoCA::S.23(0.548)
1541
245
883
227
608
214
340
255
170
85
0
SP.Syn.ColoRect−AdenoCA::S.45(0.486)
1679
222
1599
202
873
338
420
315
210
105
0
SP.Syn.ColoRect−AdenoCA::S.15(0.467)
1866
325
1590
329
726
248
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

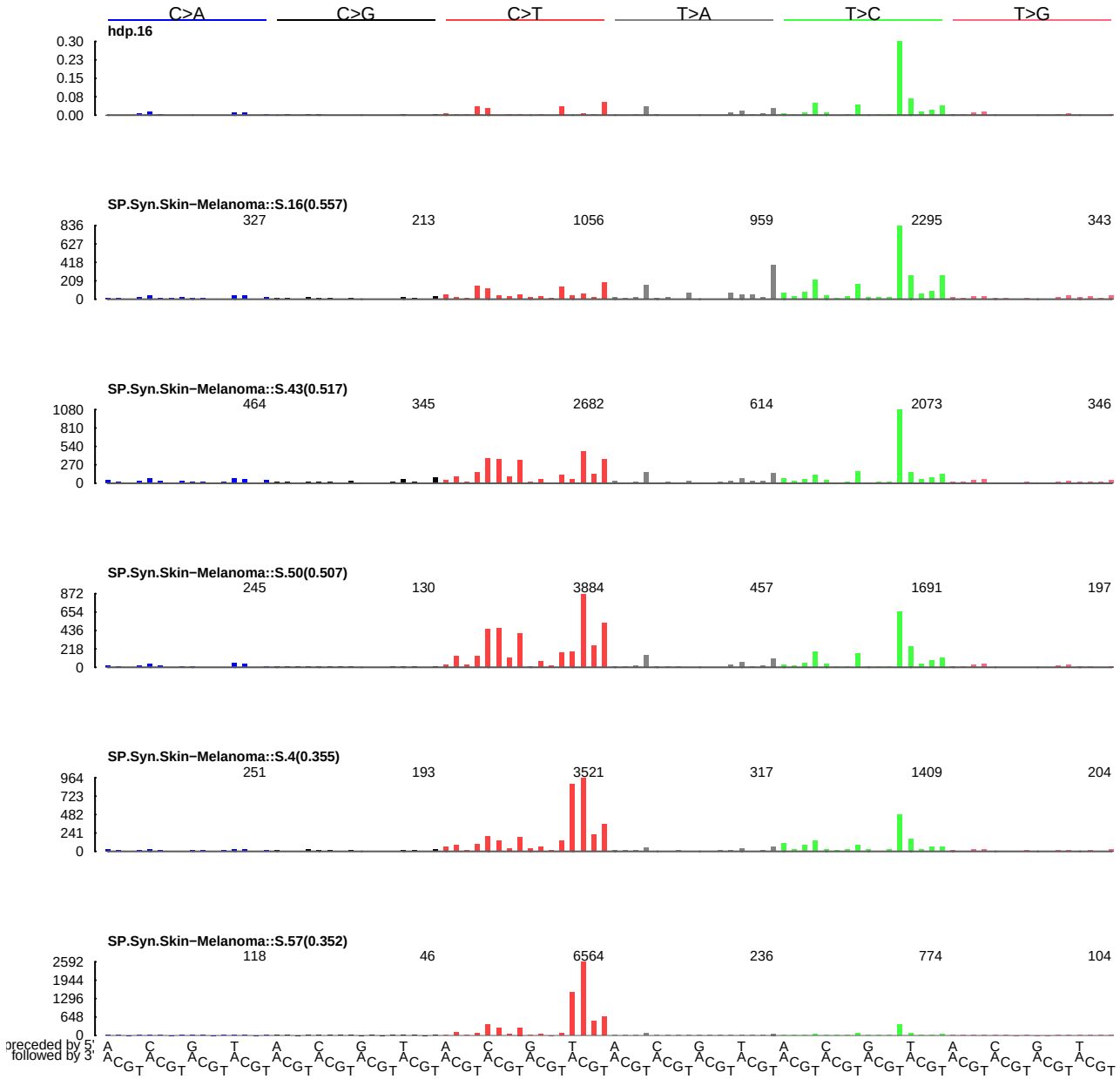

hdp.14
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
Exposure

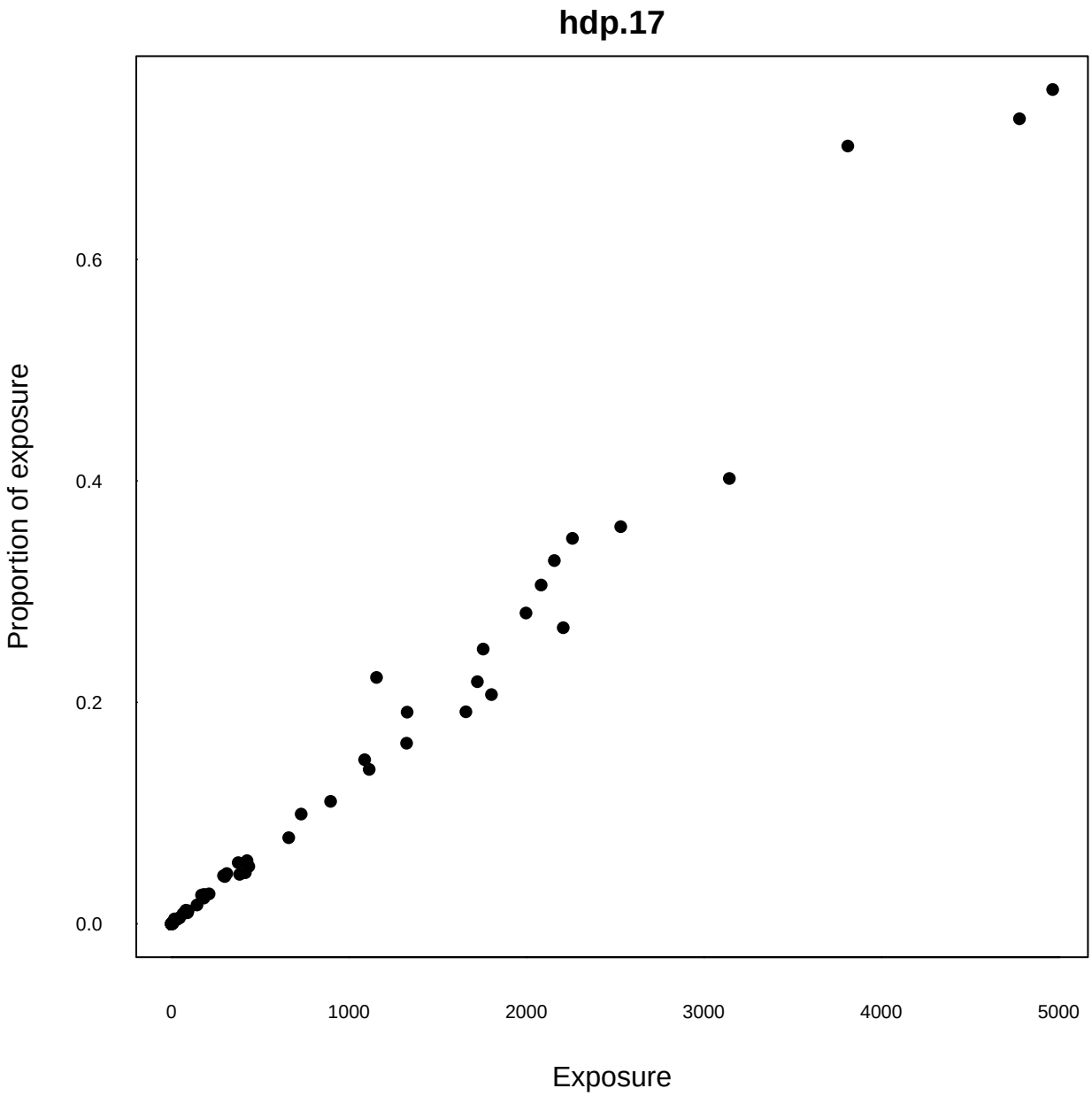

C>A
C>G
C>T
T>A
T>C
T>G
hdp.14
0.22
0.16
0.11
0.05
0.00
SP.Syn.Lymph−BNHL::S.34(0.615)
337
234
895
1671
423
215
520
390
260
130
0
SP.Syn.Lymph−BNHL::S.23(0.494)
156
125
694
814
371
113
264
198
132
66
0
SP.Syn.Lymph−BNHL::S.24(0.087)
306
169
983
594
839
1062
204
153
102
51
0
SP.Syn.Lymph−BNHL::S.15(0.086)
571
438
1011
554
901
423
120
90
60
30
0
SP.Syn.Lymph−BNHL::S.21(0.08)
773
701
1401
803
772
631
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

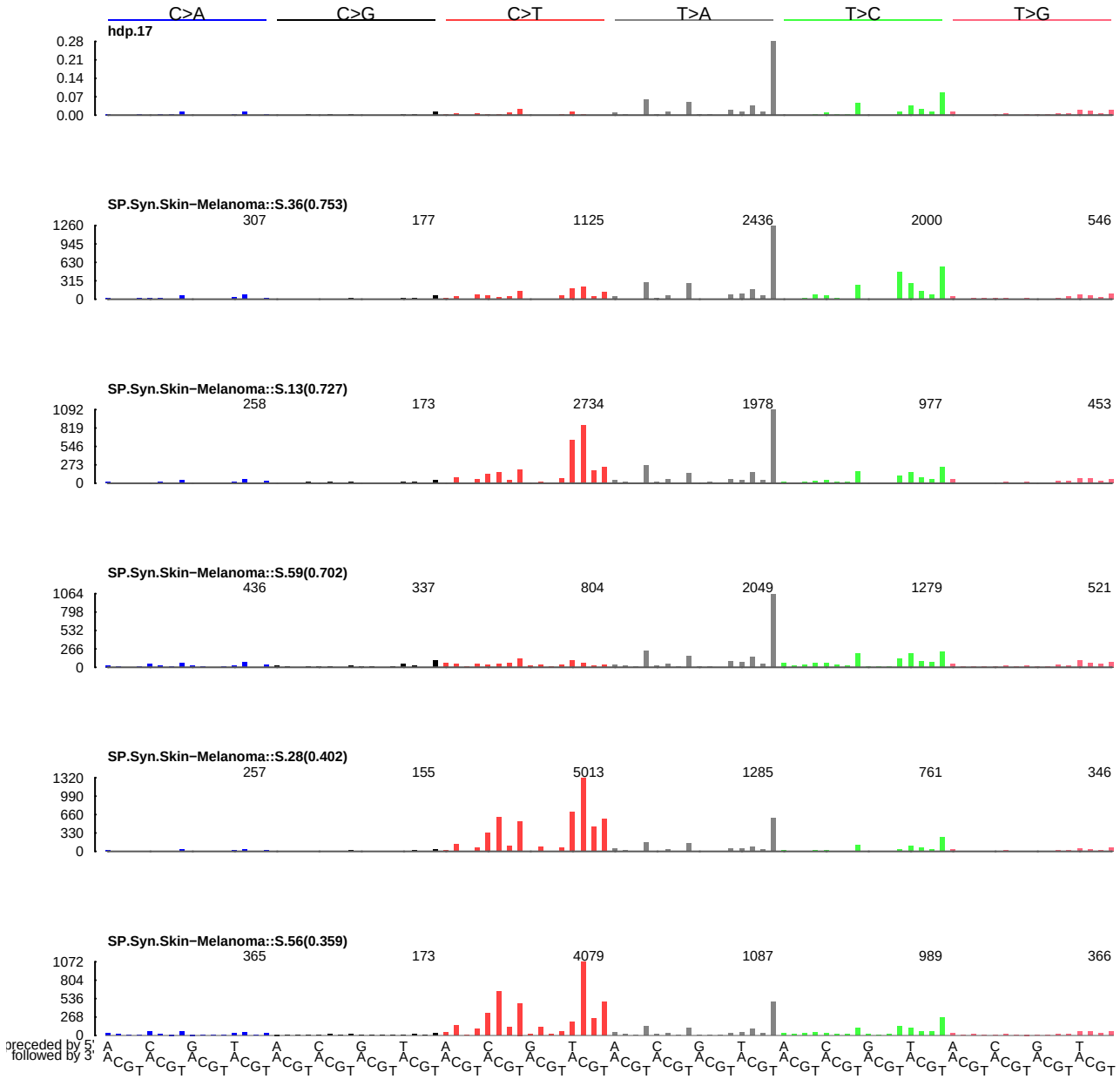

hdp.15
Proportion of exposure
0.00
0.05
0.10
0.15
0.20
0
500
1000
1500
Exposure

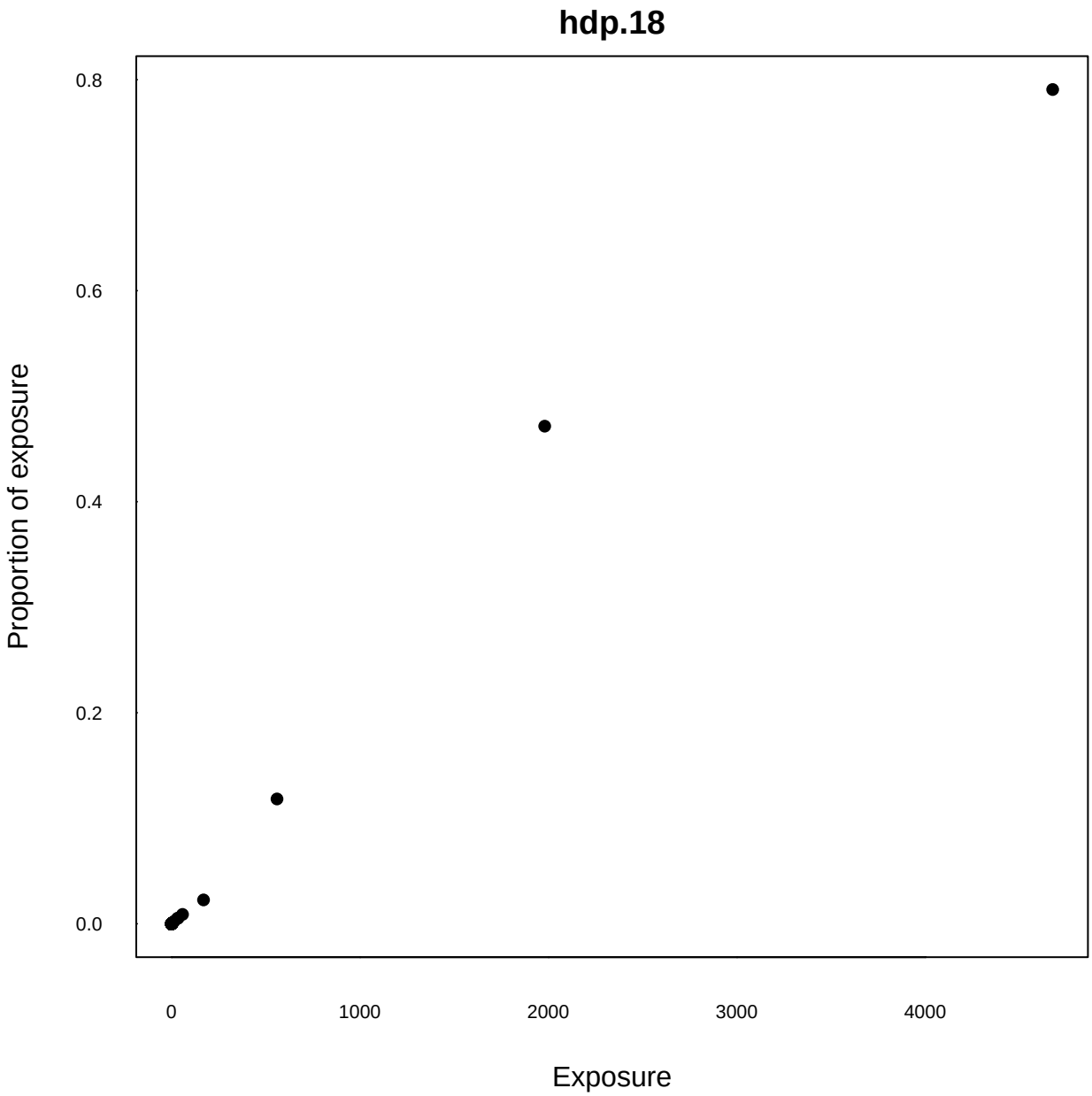

C>A
C>G
C>T
T>A
T>C
T>G
hdp.15
0.35
0.26
0.18
0.09
0.00
SP.Syn.Eso−AdenoCA::S.8(0.235)
1228
273
907
341
555
3484
1348
1011
674
337
0
SP.Syn.Eso−AdenoCA::S.30(0.197)
1130
365
770
372
1664
1189
672
504
336
168
0
SP.Syn.Eso−AdenoCA::S.24(0.175)
533
478
1173
481
1330
2663
1092
819
546
273
0
SP.Syn.Lymph−BNHL::S.37(0.147)
618
415
1013
479
888
2547
896
672
448
224
0
SP.Syn.ColoRect−AdenoCA::S.34(0.08)
1537
243
1722
249
342
458
360
270
180
90
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

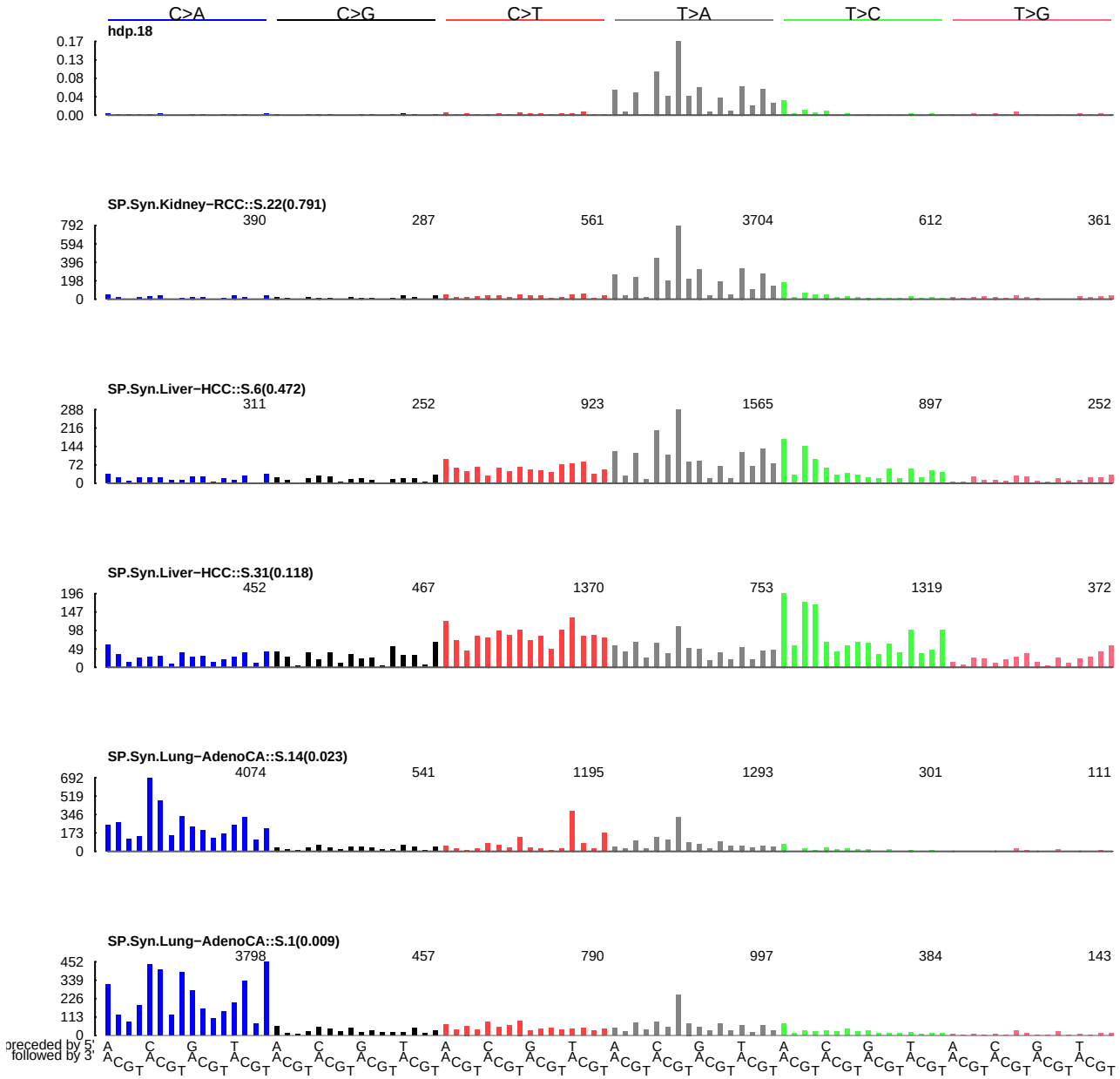

hdp.16
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
500
1000
1500
2000
2500
3000
3500
Exposure

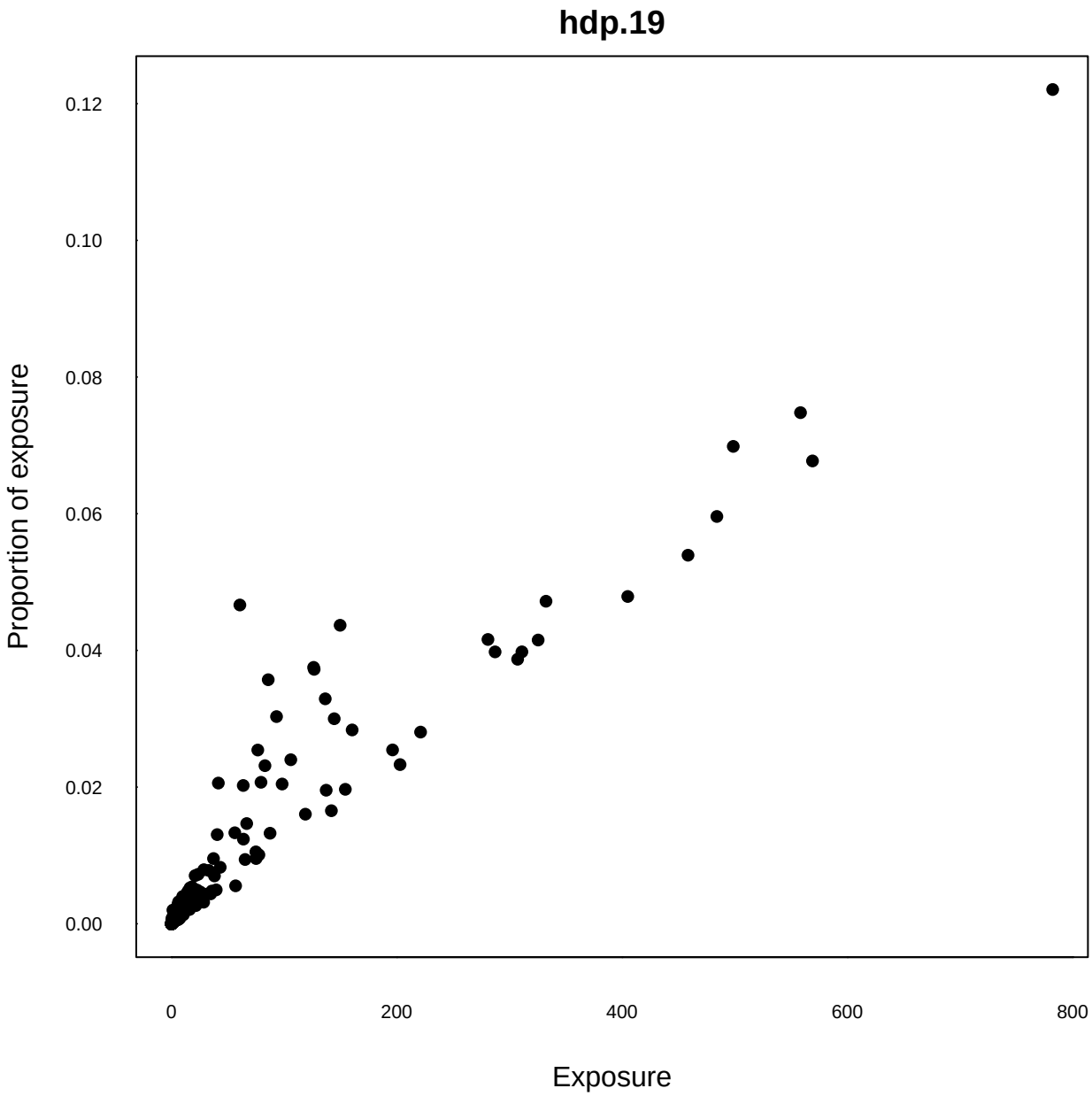

C>A
C>G
C>T
T>A
T>C
T>G
hdp.16
0.30
0.23
0.15
0.08
0.00
SP.Syn.Skin−Melanoma::S.16(0.557)
327
213
1056
959
2295
343
836
627
418
209
0
SP.Syn.Skin−Melanoma::S.43(0.517)
464
345
2682
614
2073
346
1080
810
540
270
0
SP.Syn.Skin−Melanoma::S.50(0.507)
245
130
3884
457
1691
197
872
654
436
218
0
SP.Syn.Skin−Melanoma::S.4(0.355)
251
193
3521
317
1409
204
964
723
482
241
0
SP.Syn.Skin−Melanoma::S.57(0.352)
118
46
6564
236
774
104
2592
1944
1296
648
0
preceded by 5'
followed by 3'

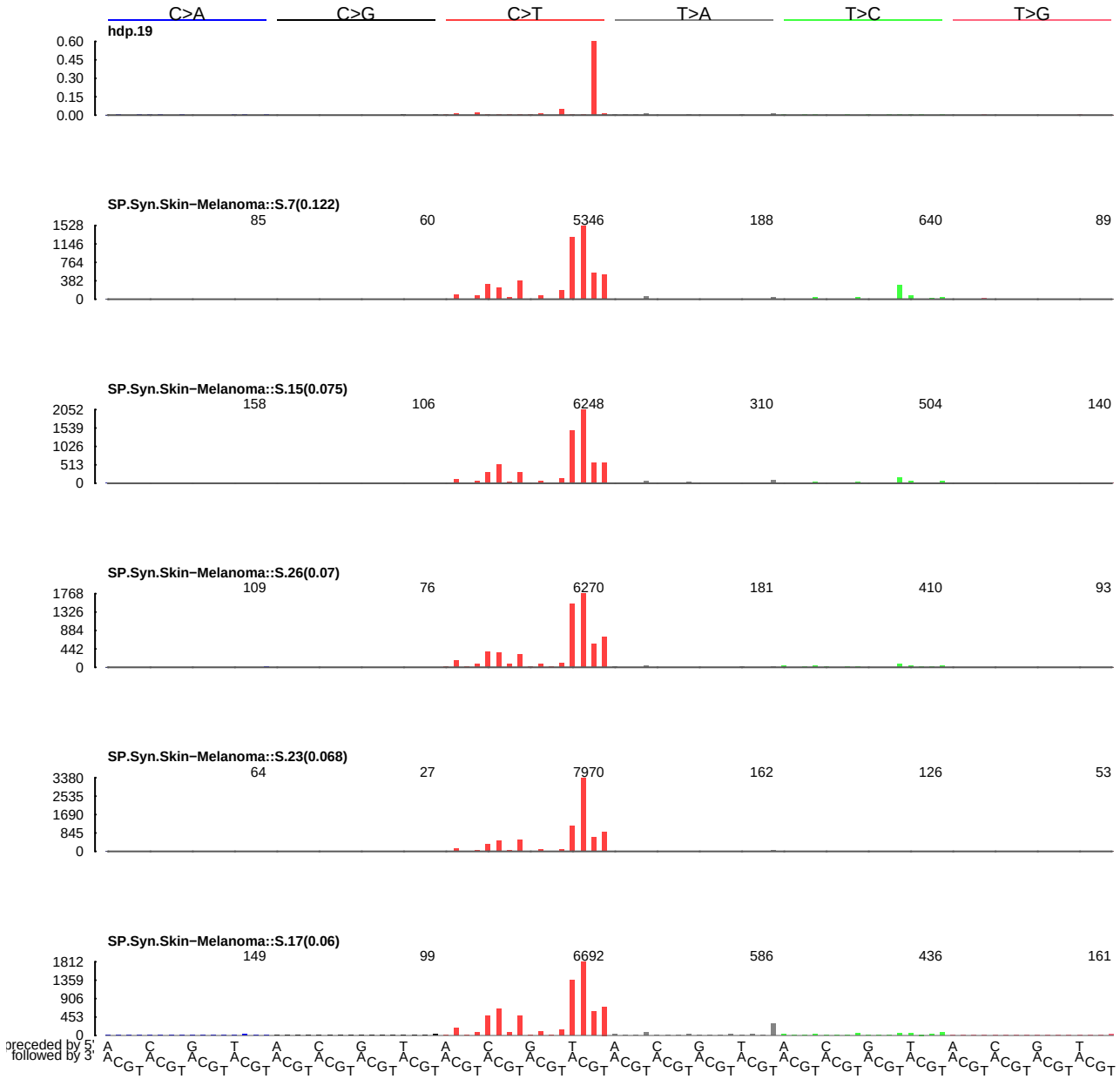

hdp.17
Proportion of exposure
0.0
0.2
0.4
0.6
0
1000
2000
3000
4000
5000
Exposure

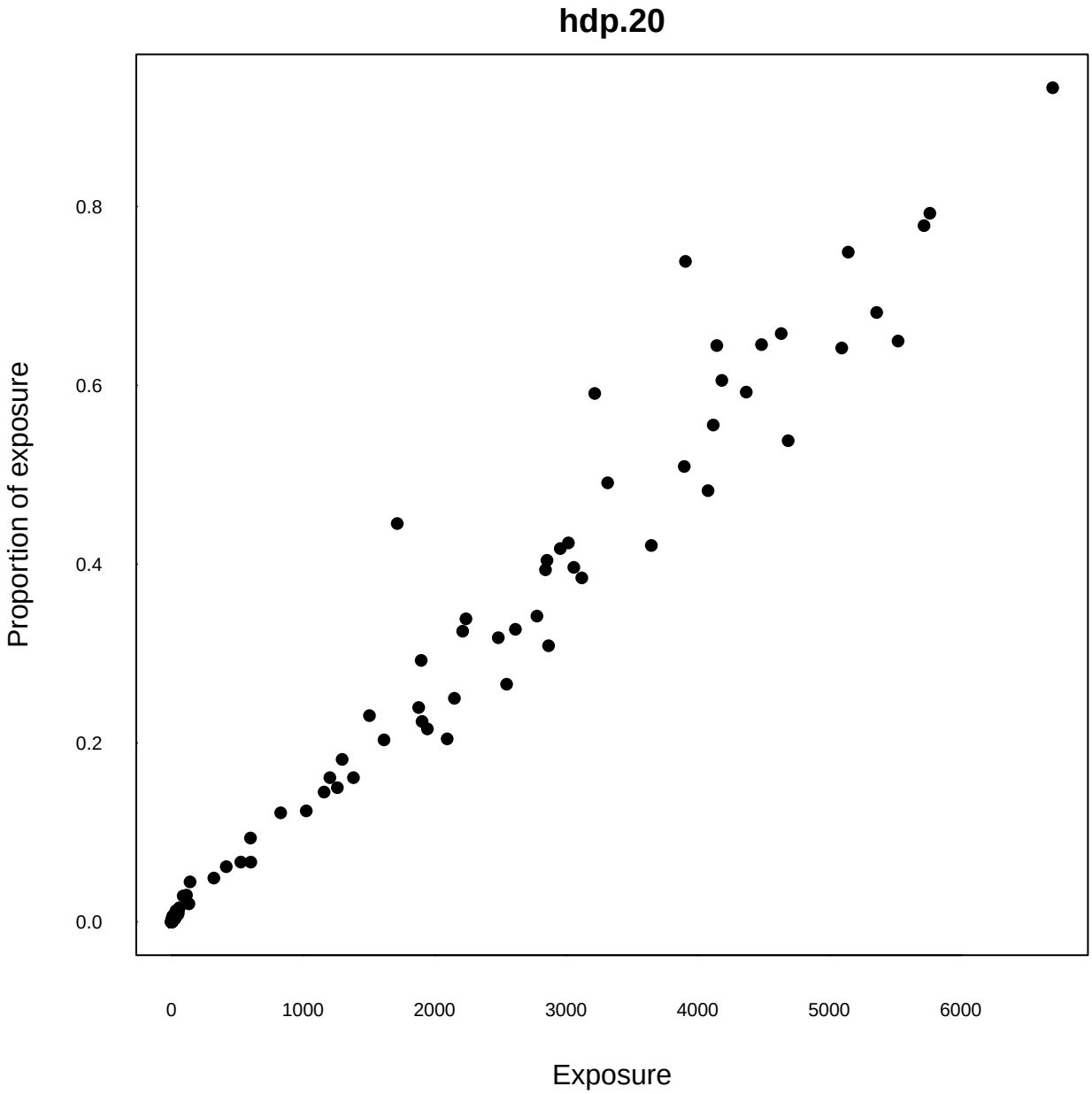

C>A
C>G
C>T
T>A
T>C
T>G
hdp.17
0.28
0.21
0.14
0.07
0.00
SP.Syn.Skin−Melanoma::S.36(0.753)
307
177
1125
2436
2000
546
1260
945
630
315
0
SP.Syn.Skin−Melanoma::S.13(0.727)
258
173
2734
1978
977
453
1092
819
546
273
0
SP.Syn.Skin−Melanoma::S.59(0.702)
436
337
804
2049
1279
521
1064
798
532
266
0
SP.Syn.Skin−Melanoma::S.28(0.402)
257
155
5013
1285
761
346
1320
990
660
330
0
SP.Syn.Skin−Melanoma::S.56(0.359)
365
173
4079
1087
989
366
1072
804
536
268
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

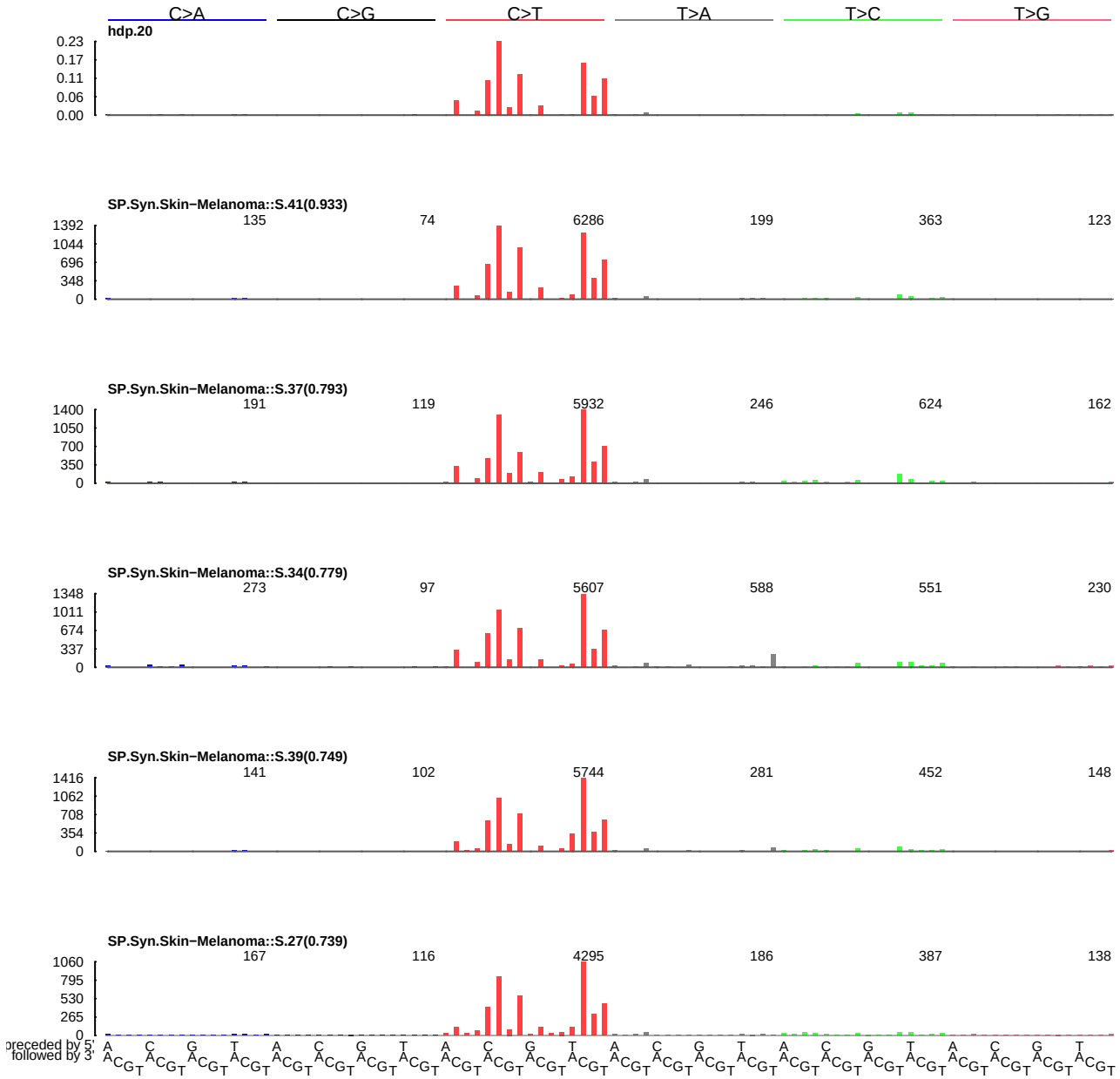

hdp.18
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
Exposure

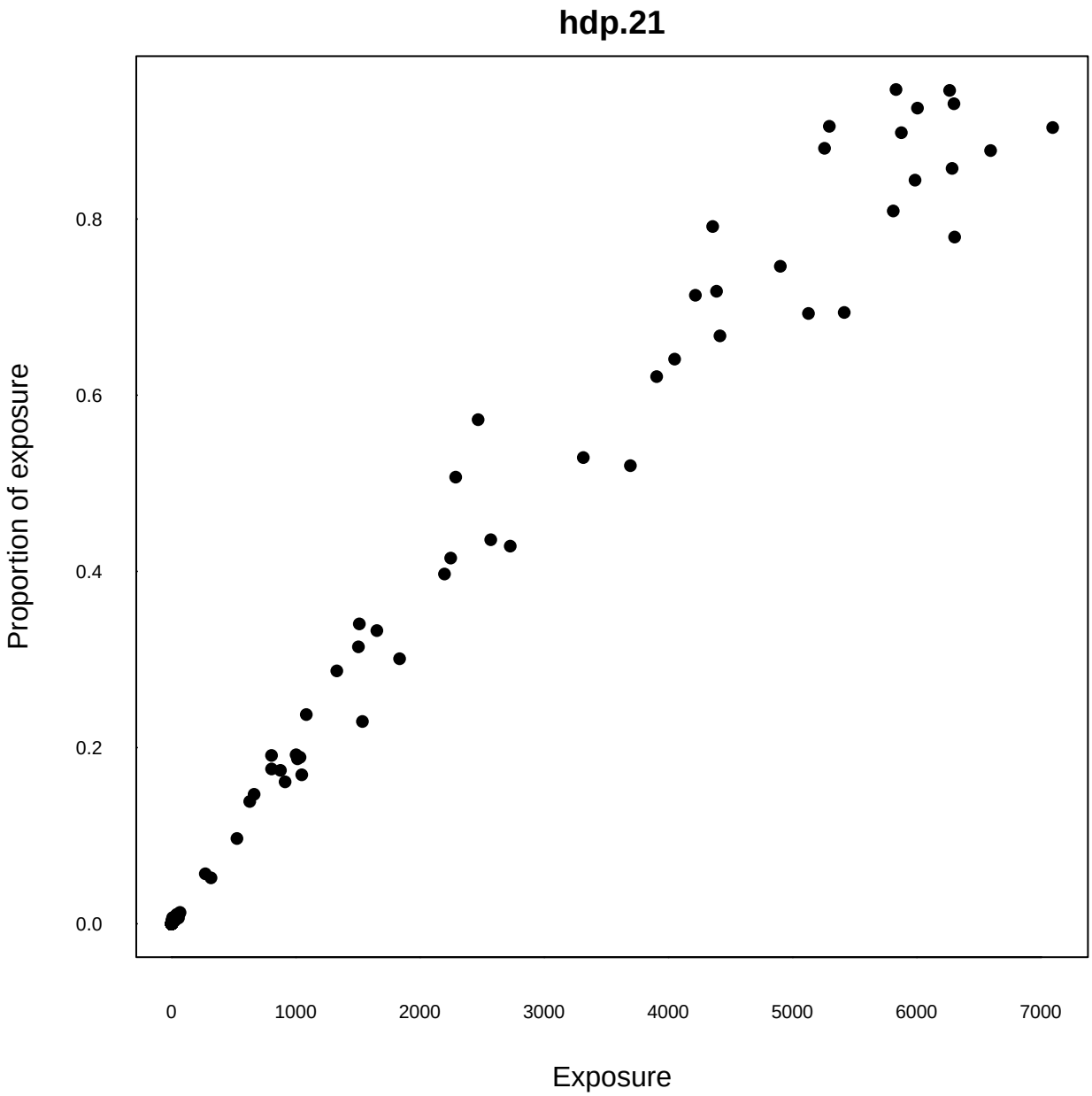

C>A
C>G
C>T
T>A
T>C
T>G
hdp.18
0.17
0.13
0.08
0.04
0.00
SP.Syn.Kidney−RCC::S.22(0.791)
390
287
561
3704
612
361
792
594
396
198
0
SP.Syn.Liver−HCC::S.6(0.472)
311
252
923
1565
897
252
288
216
144
72
0
SP.Syn.Liver−HCC::S.31(0.118)
452
467
1370
753
1319
372
196
147
98
49
0
SP.Syn.Lung−AdenoCA::S.14(0.023)
4074
541
1195
1293
301
111
692
519
346
173
0
SP.Syn.Lung−AdenoCA::S.1(0.009)
3798
457
790
997
384
143
452
339
226
113
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

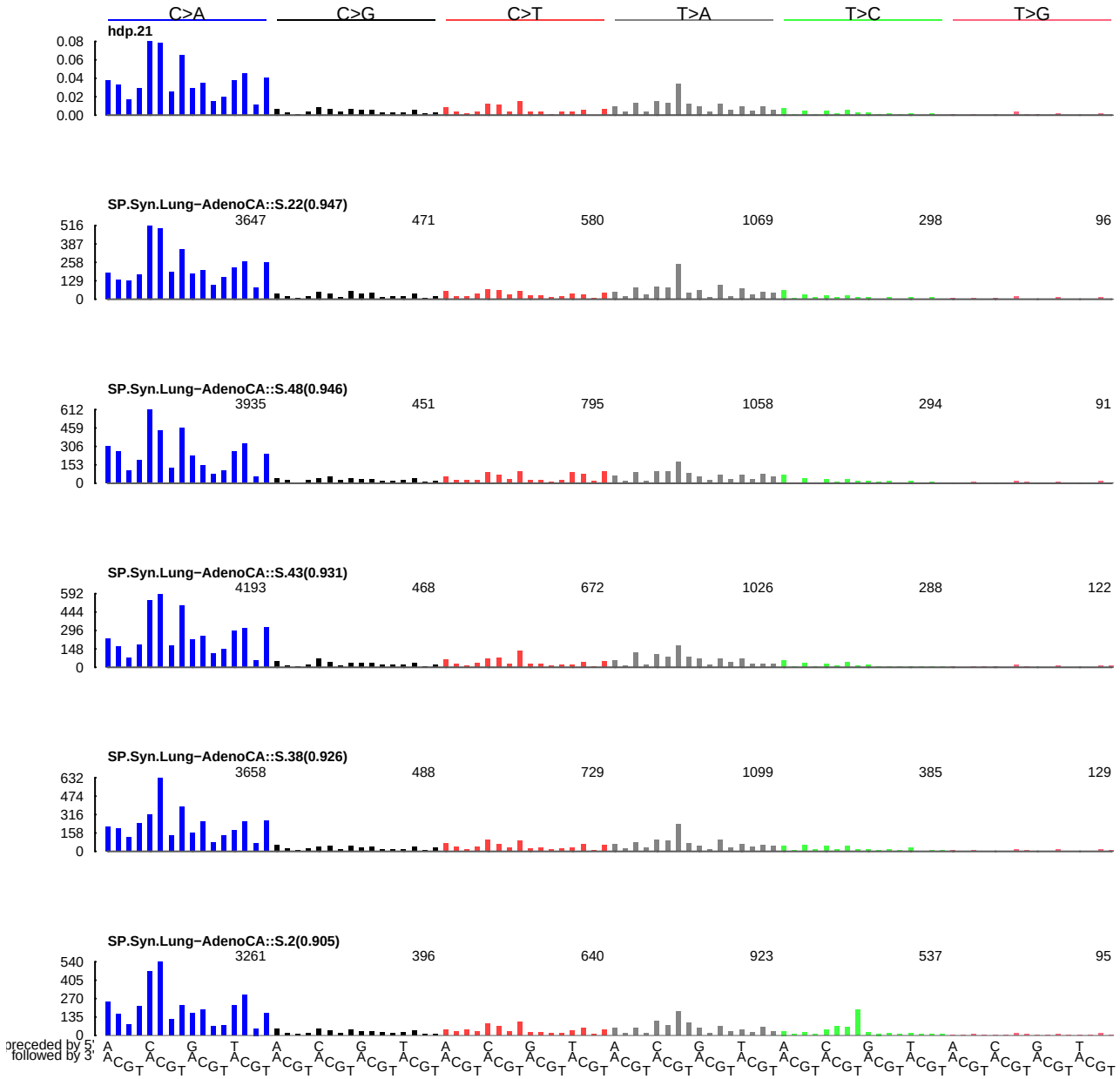

hdp.19
Proportion of exposure
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0
200
400
600
800
Exposure

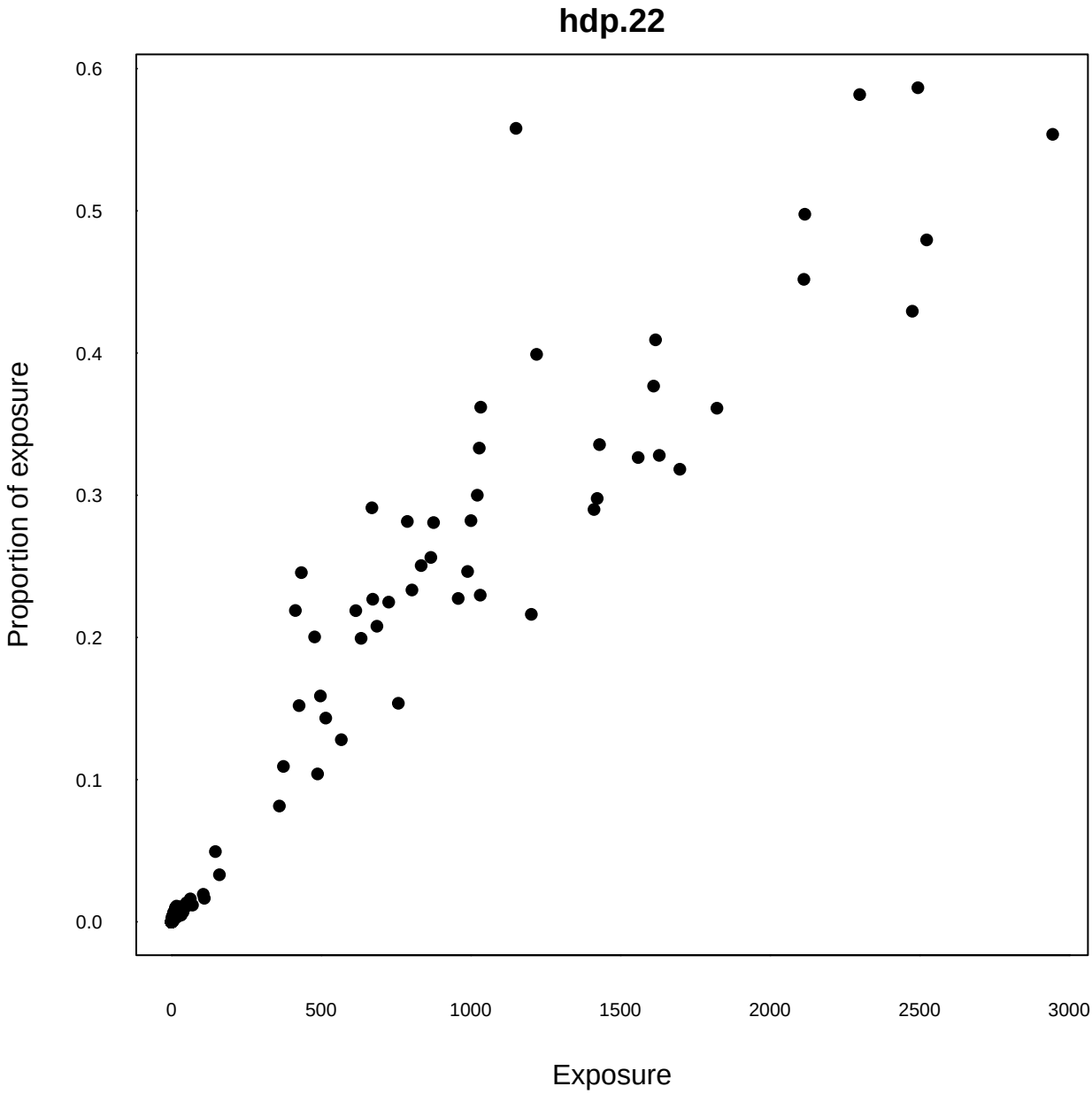

C>A
C>G
C>T
T>A
T>C
T>G
hdp.19
0.60
0.45
0.30
0.15
0.00
SP.Syn.Skin−Melanoma::S.7(0.122)
85
60
5346
188
640
89
1528
1146
764
382
0
SP.Syn.Skin−Melanoma::S.15(0.075)
158
106
6248
310
504
140
2052
1539
1026
513
0
SP.Syn.Skin−Melanoma::S.26(0.07)
109
76
6270
181
410
93
1768
1326
884
442
0
SP.Syn.Skin−Melanoma::S.23(0.068)
64
27
7970
162
126
53
3380
2535
1690
845
0
SP.Syn.Skin−Melanoma::S.17(0.06)
149
99
6692
586
436
161
1812
1359
906
453
0
preceded by 5'
followed by 3'

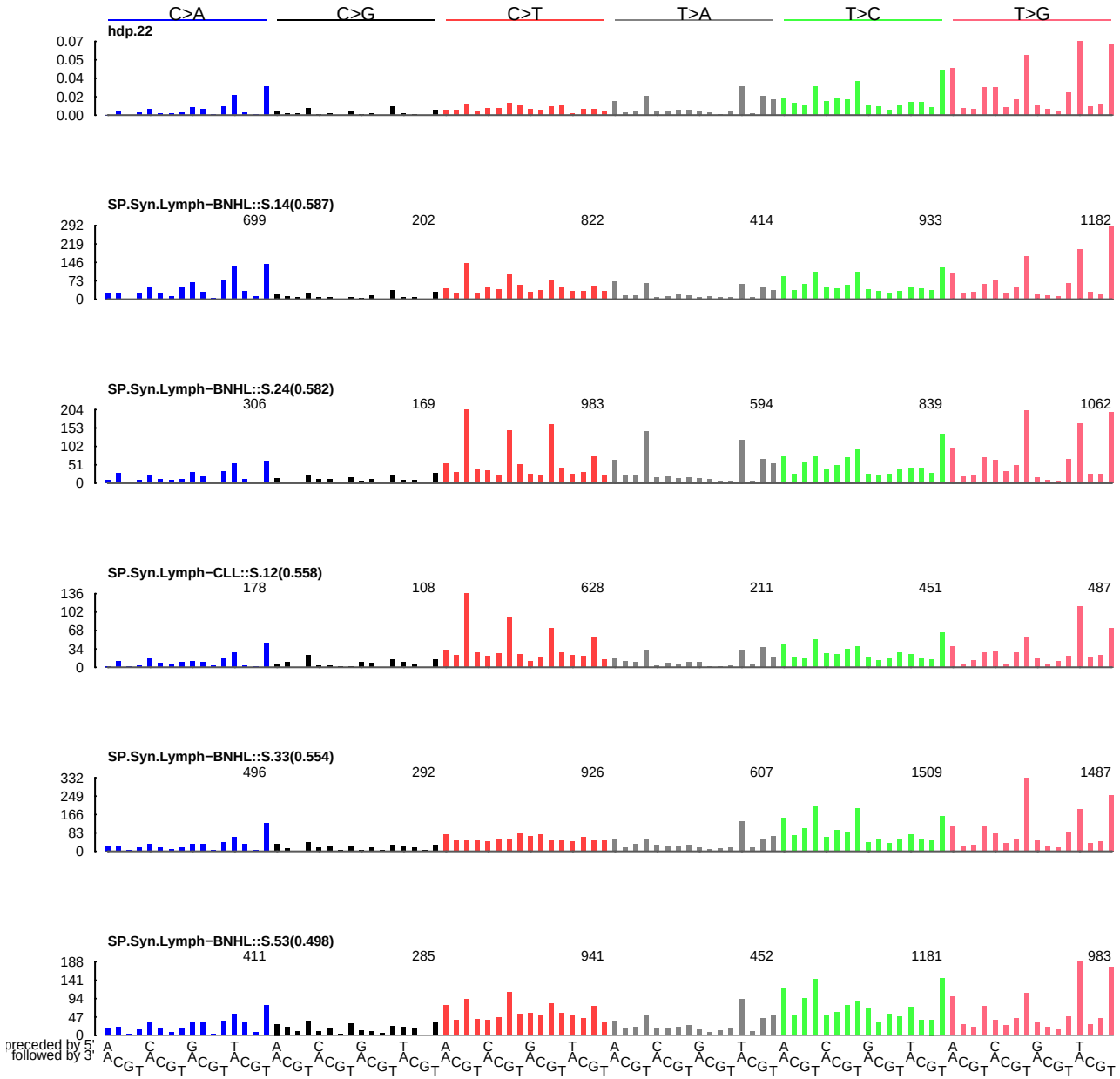

hdp.20
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
5000
6000
Exposure

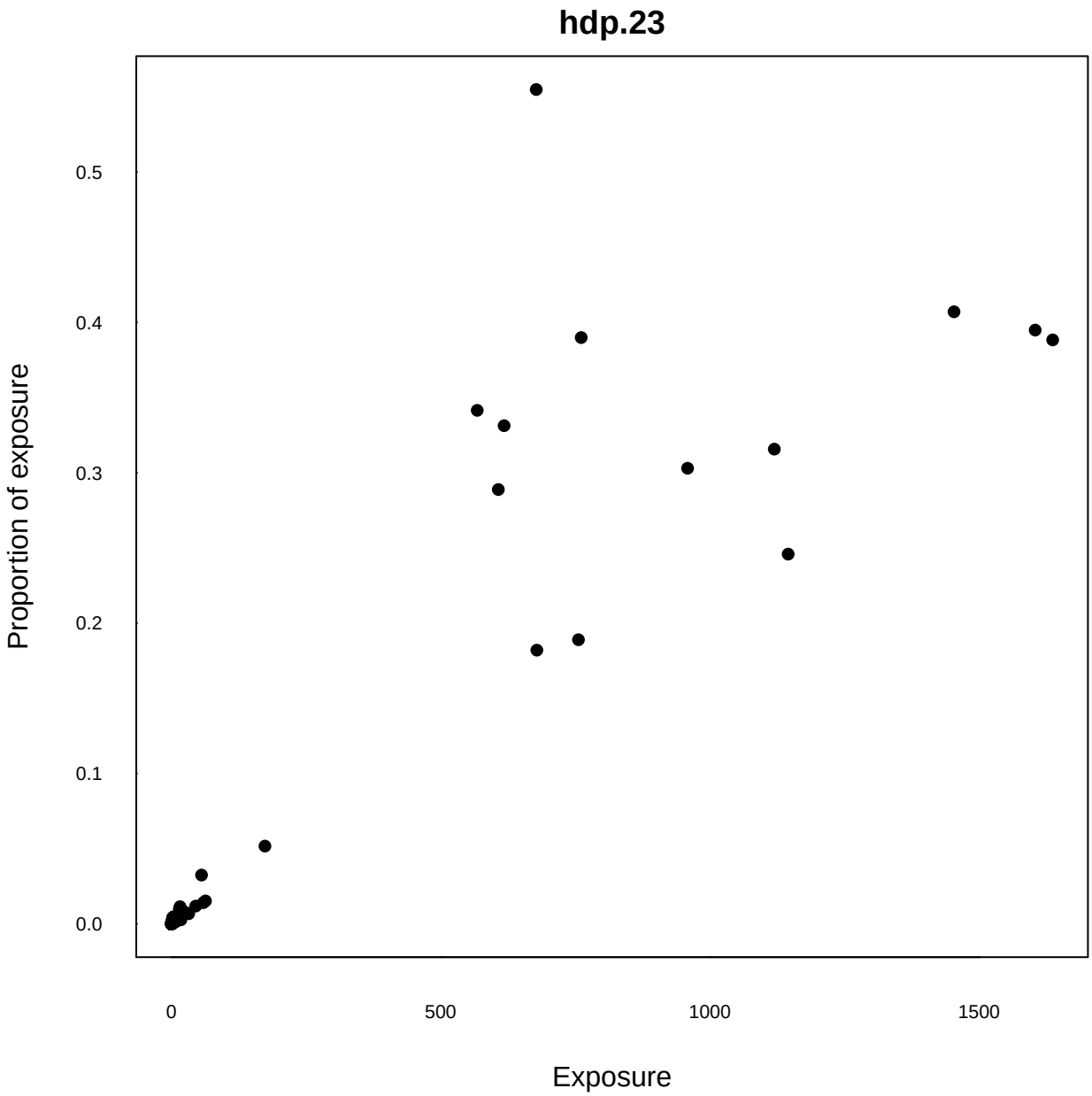

C>A
C>G
C>T
T>A
T>C
T>G
hdp.20
0.23
0.17
0.11
0.06
0.00
SP.Syn.Skin−Melanoma::S.41(0.933)
135
74
6286
199
363
123
1392
1044
696
348
0
SP.Syn.Skin−Melanoma::S.37(0.793)
191
119
5932
246
624
162
1400
1050
700
350
0
SP.Syn.Skin−Melanoma::S.34(0.779)
273
97
5607
588
551
230
1348
1011
674
337
0
SP.Syn.Skin−Melanoma::S.39(0.749)
141
102
5744
281
452
148
1416
1062
708
354
0
SP.Syn.Skin−Melanoma::S.27(0.739)
167
116
4295
186
387
138
1060
795
530
265
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

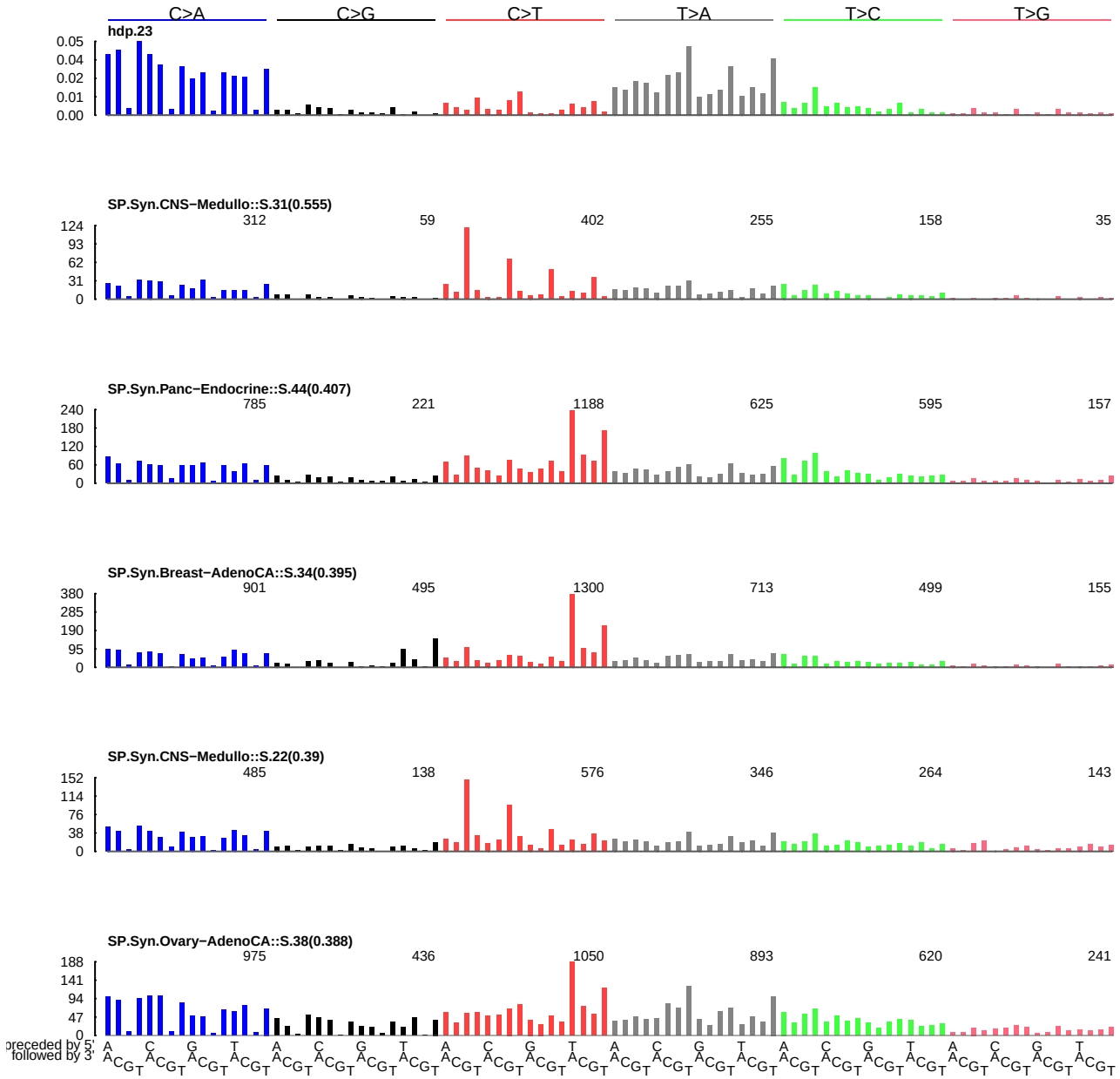

hdp.21
Proportion of exposure
0.0
0.2
0.4
0.6
0.8
0
1000
2000
3000
4000
5000
6000
7000
Exposure

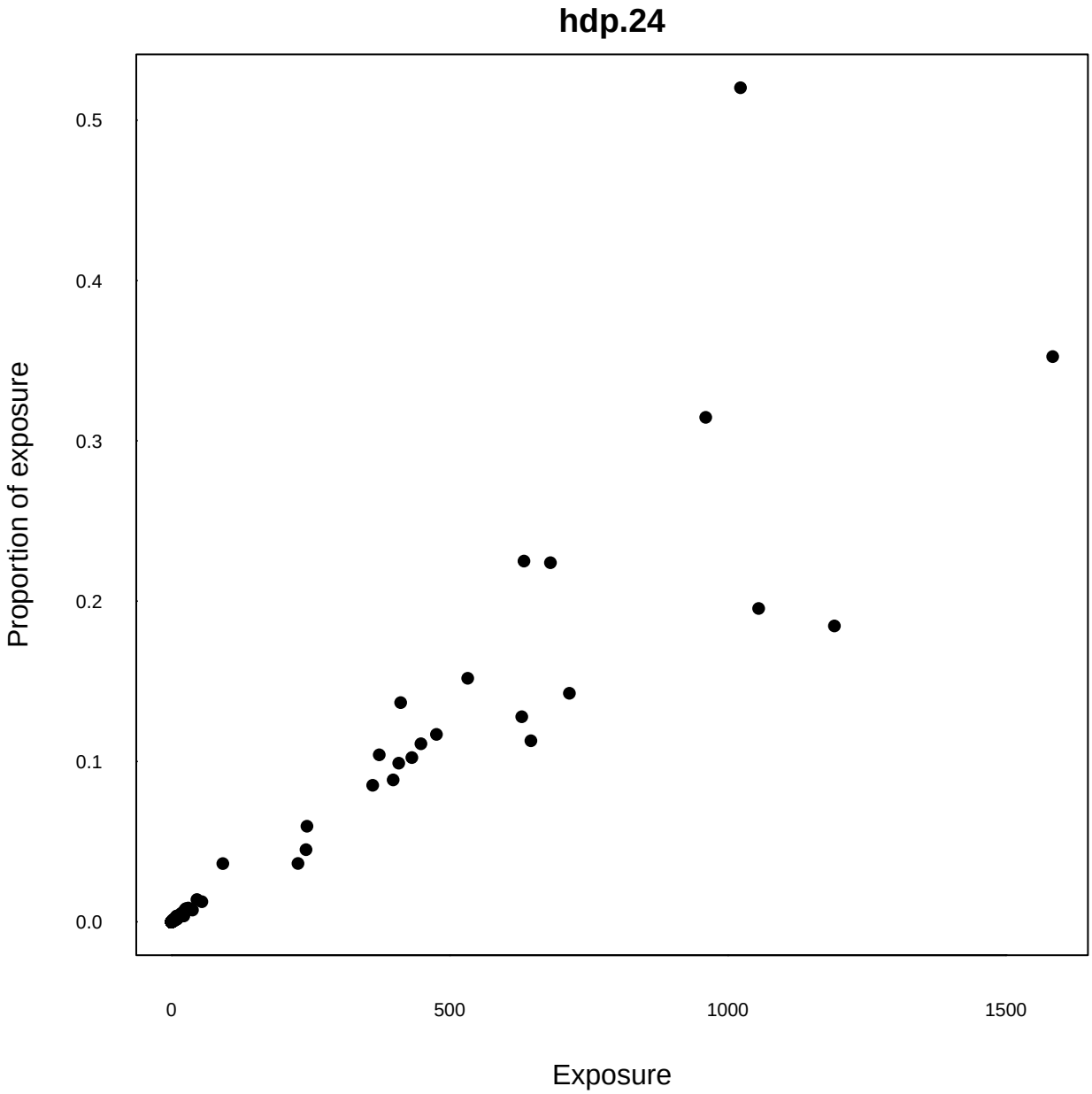

C>A
C>G
C>T
T>A
T>C
T>G
hdp.21
0.08
0.06
0.04
0.02
0.00
SP.Syn.Lung−AdenoCA::S.22(0.947)
3647
471
580
1069
298
96
516
387
258
129
0
SP.Syn.Lung−AdenoCA::S.48(0.946)
3935
451
795
1058
294
91
612
459
306
153
0
SP.Syn.Lung−AdenoCA::S.43(0.931)
4193
468
672
1026
288
122
592
444
296
148
0
SP.Syn.Lung−AdenoCA::S.38(0.926)
3658
488
729
1099
385
129
632
474
316
158
0
SP.Syn.Lung−AdenoCA::S.2(0.905)
3261
396
640
923
537
95
540
405
270
135
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

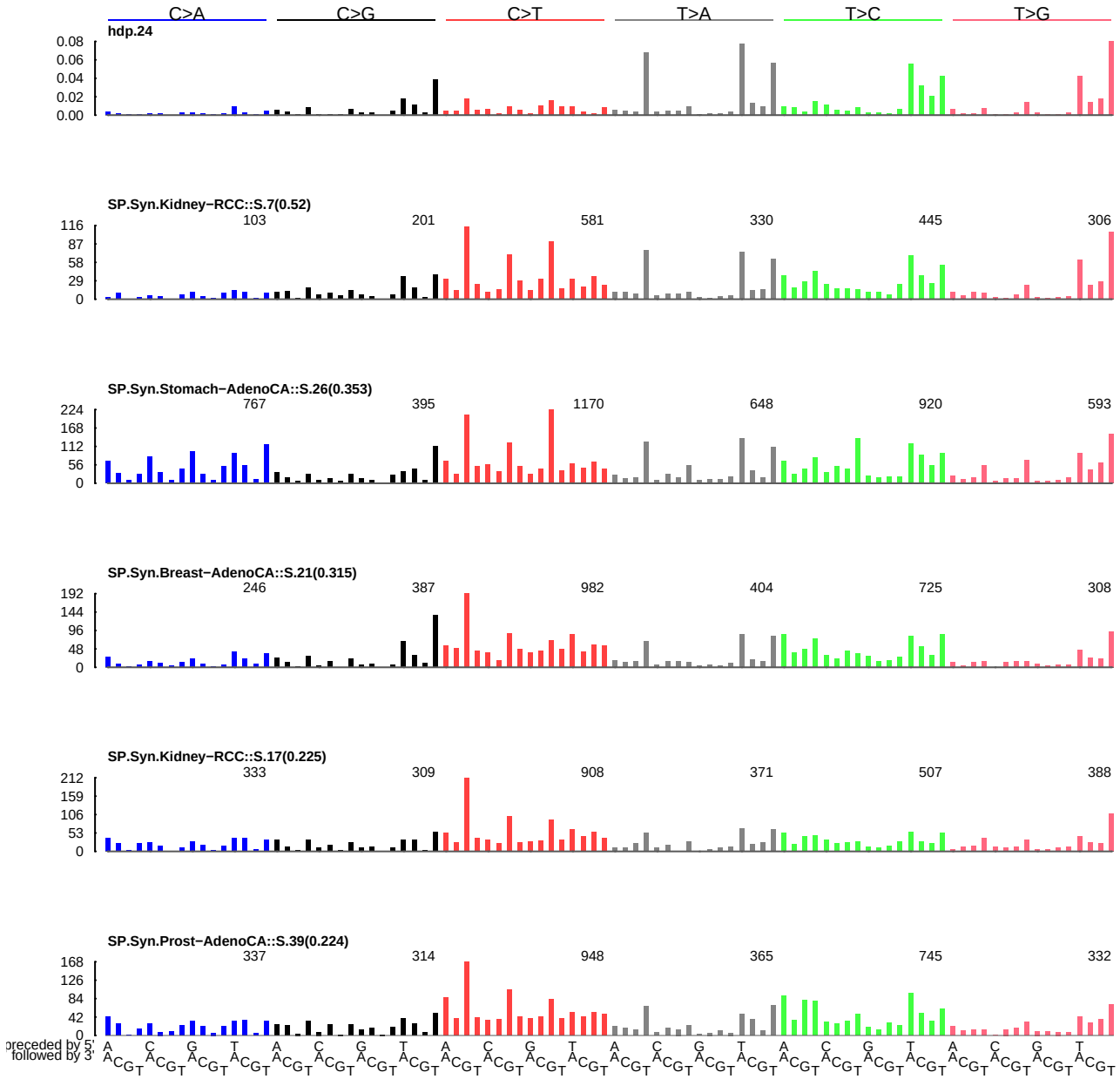

hdp.22
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
500
1000
1500
2000
2500
3000
Exposure

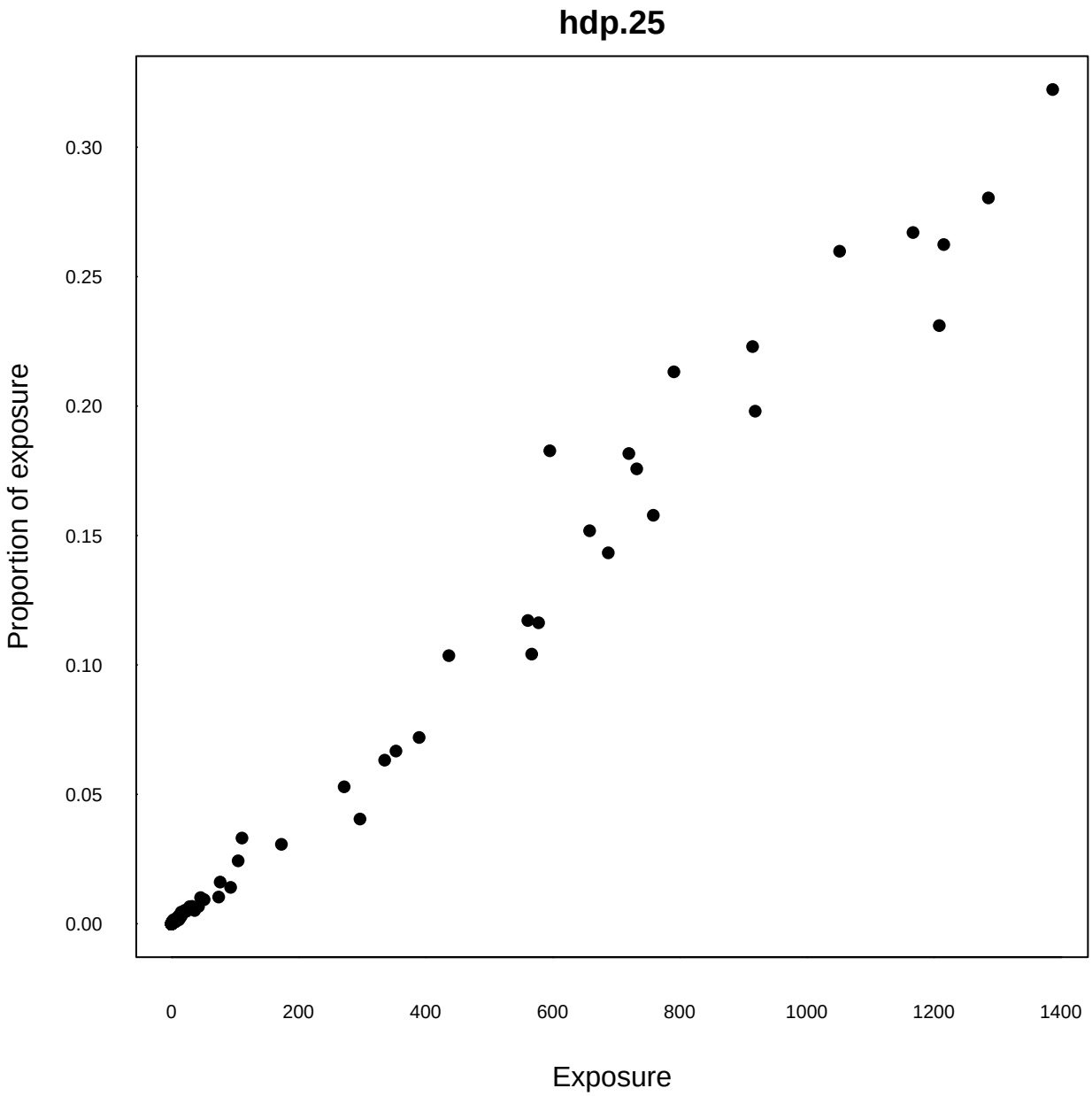

C>A
C>G
C>T
T>A
T>C
T>G
hdp.22
0.07
0.05
0.04
0.02
0.00
SP.Syn.Lymph−BNHL::S.14(0.587)
699
202
822
414
933
1182
292
219
146
73
0
SP.Syn.Lymph−BNHL::S.24(0.582)
306
169
983
594
839
1062
204
153
102
51
0
SP.Syn.Lymph−CLL::S.12(0.558)
178
108
628
211
451
487
136
102
68
34
0
SP.Syn.Lymph−BNHL::S.33(0.554)
496
292
926
607
1509
1487
332
249
166
83
0
SP.Syn.Lymph−BNHL::S.53(0.498)
411
285
941
452
1181
983
188
141
94
47
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

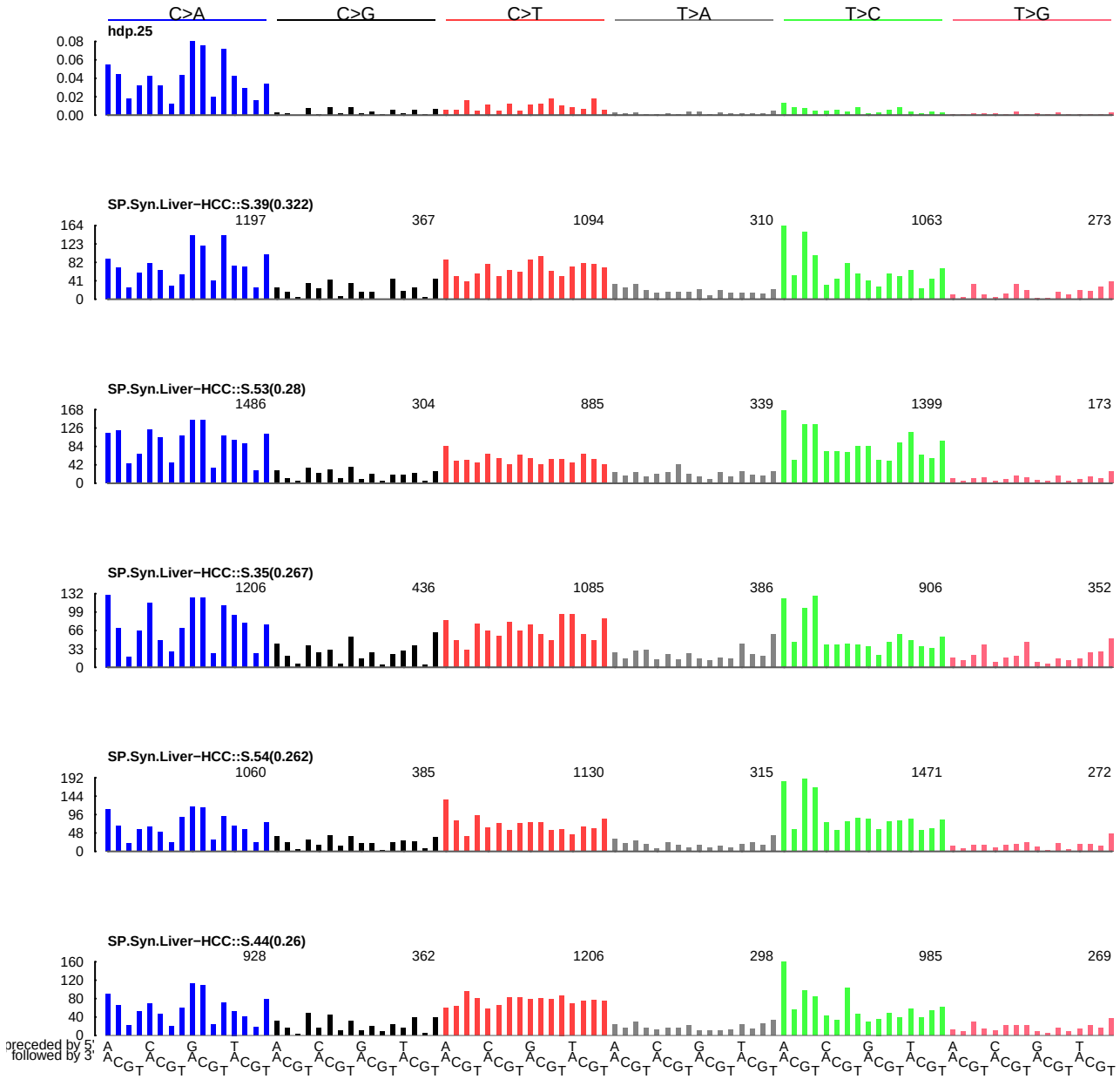

hdp.23
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
500
1000
1500
Exposure

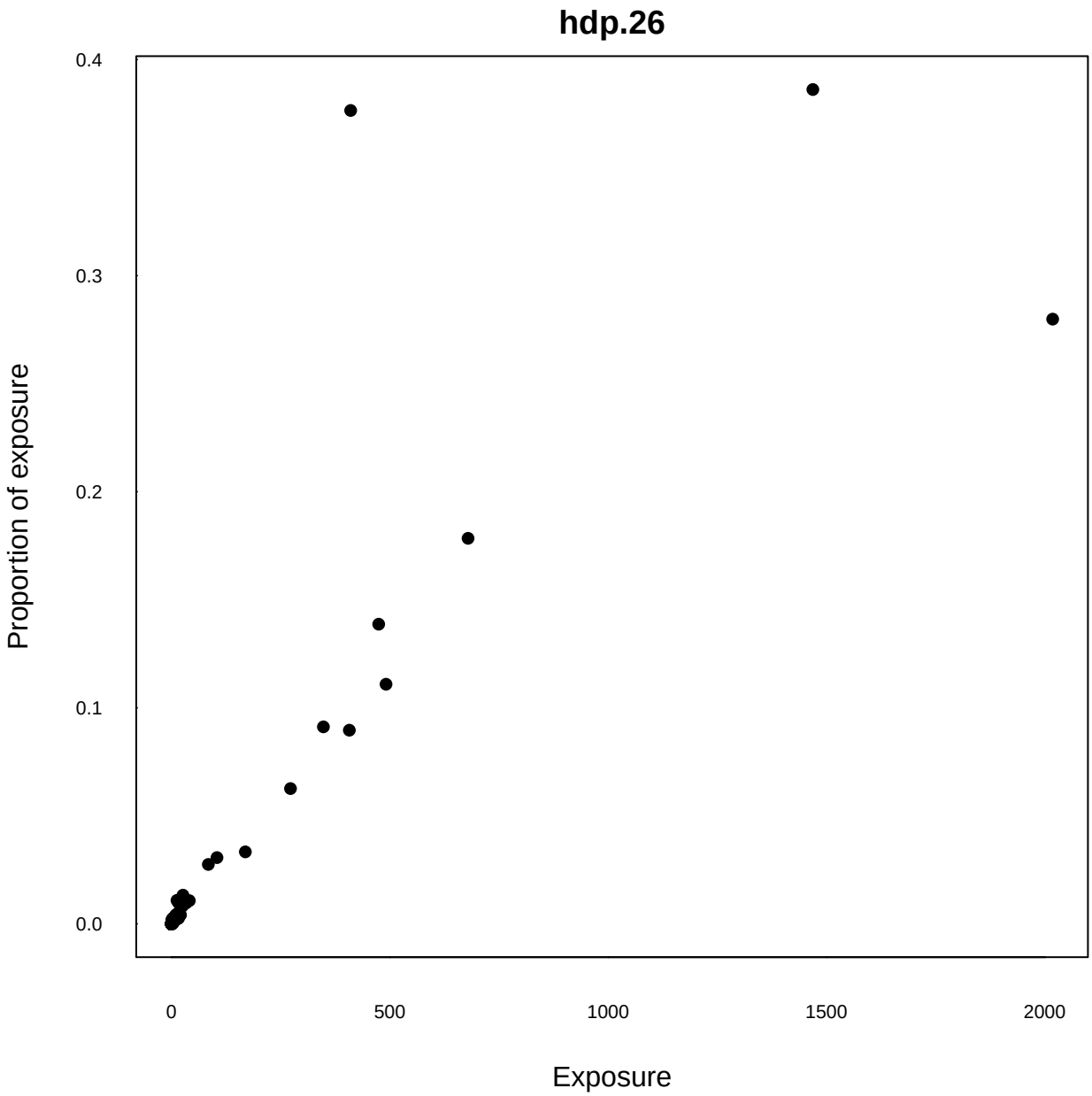

C>A
C>G
C>T
T>A
T>C
T>G
hdp.23
0.05
0.04
0.02
0.01
0.00
SP.Syn.CNS−Medullo::S.31(0.555)
312
59
402
255
158
35
124
93
62
31
0
SP.Syn.Panc−Endocrine::S.44(0.407)
785
221
1188
625
595
157
240
180
120
60
0
SP.Syn.Breast−AdenoCA::S.34(0.395)
901
495
1300
713
499
155
380
285
190
95
0
SP.Syn.CNS−Medullo::S.22(0.39)
485
138
576
346
264
143
152
114
76
38
0
SP.Syn.Ovary−AdenoCA::S.38(0.388)
975
436
1050
893
620
241
188
141
94
47
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

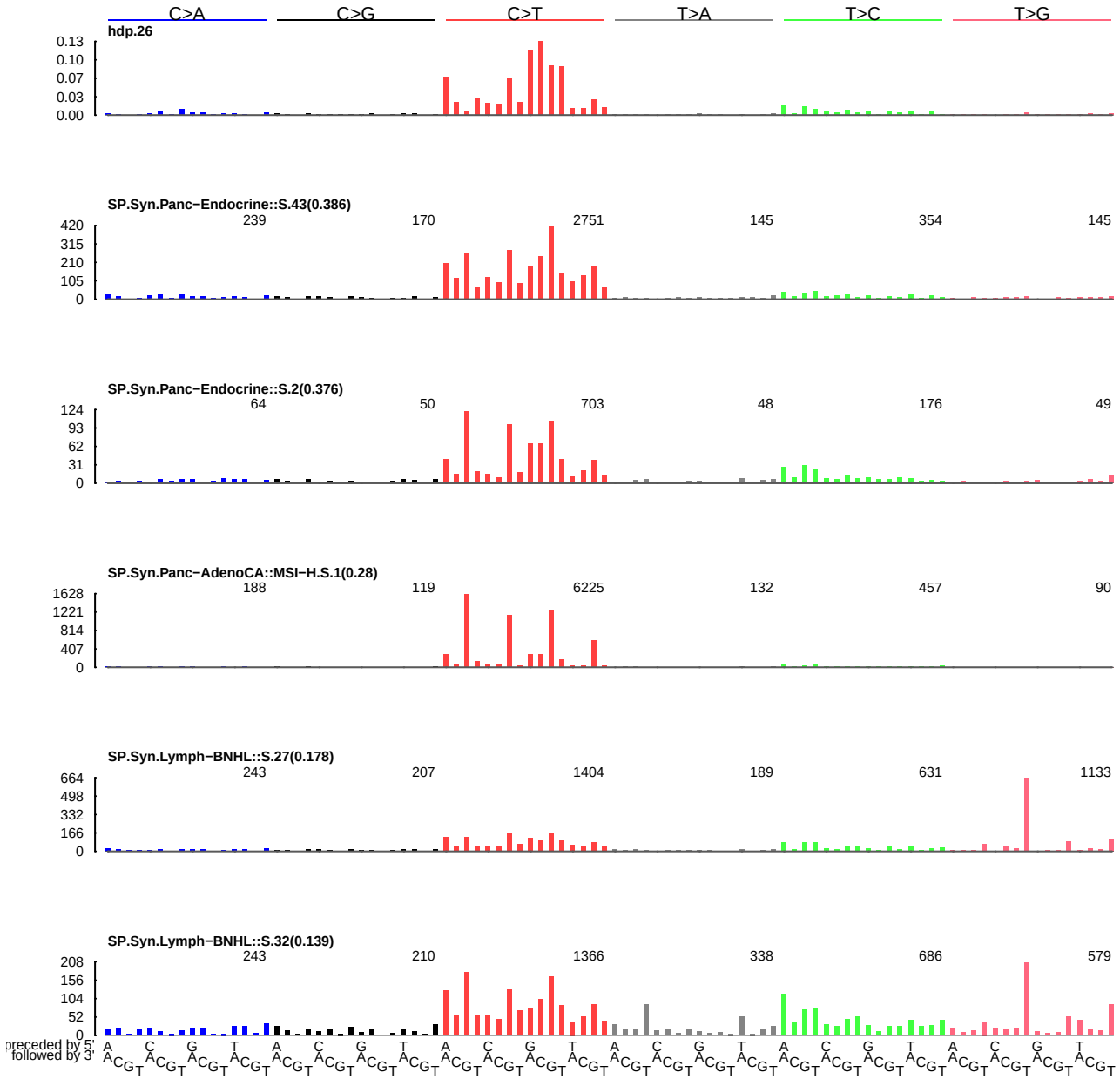

hdp.24
Proportion of exposure
0.0
0.1
0.2
0.3
0.4
0.5
0
500
1000
1500
Exposure

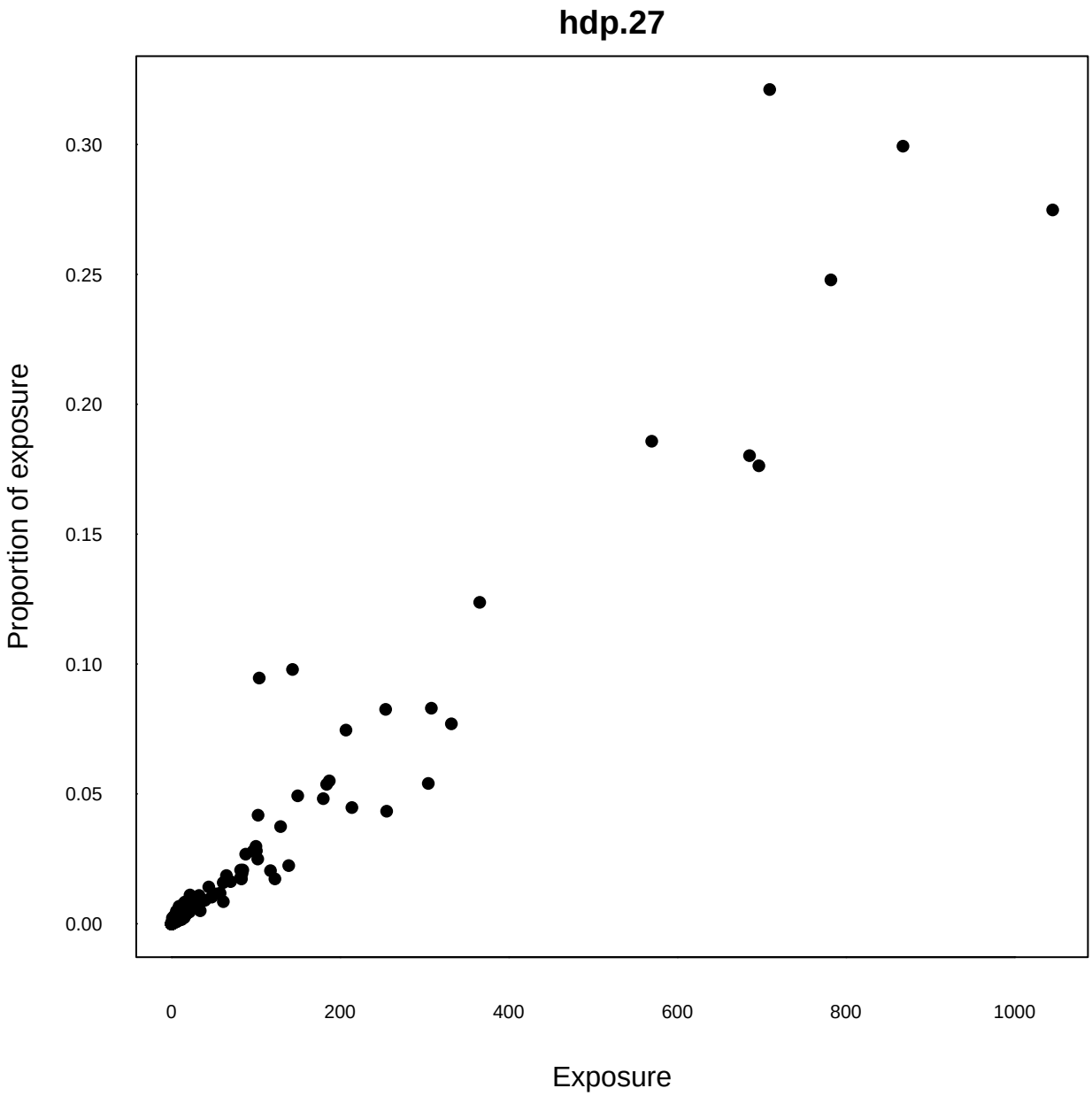

C>A
C>G
C>T
T>A
T>C
T>G
hdp.24
0.08
0.06
0.04
0.02
0.00
SP.Syn.Kidney−RCC::S.7(0.52)
103
201
581
330
445
306
116
87
58
29
0
SP.Syn.Stomach−AdenoCA::S.26(0.353)
767
395
1170
648
920
593
224
168
112
56
0
SP.Syn.Breast−AdenoCA::S.21(0.315)
246
387
982
404
725
308
192
144
96
48
0
SP.Syn.Kidney−RCC::S.17(0.225)
333
309
908
371
507
388
212
159
106
53
0
SP.Syn.Prost−AdenoCA::S.39(0.224)
337
314
948
365
745
332
168
126
84
42
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

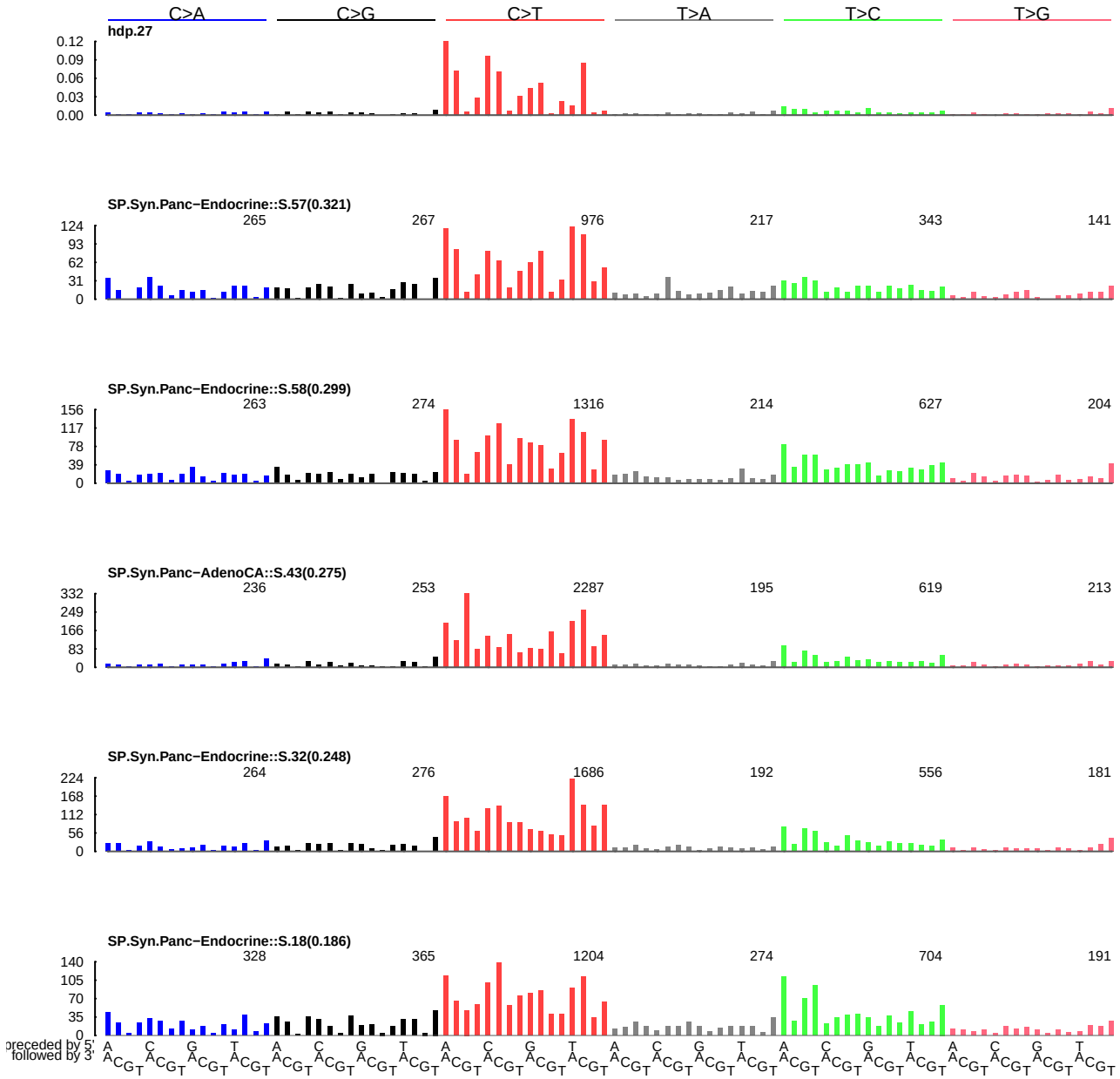

hdp.25
Proportion of exposure
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
200
400
600
800
1000
1200
1400
Exposure

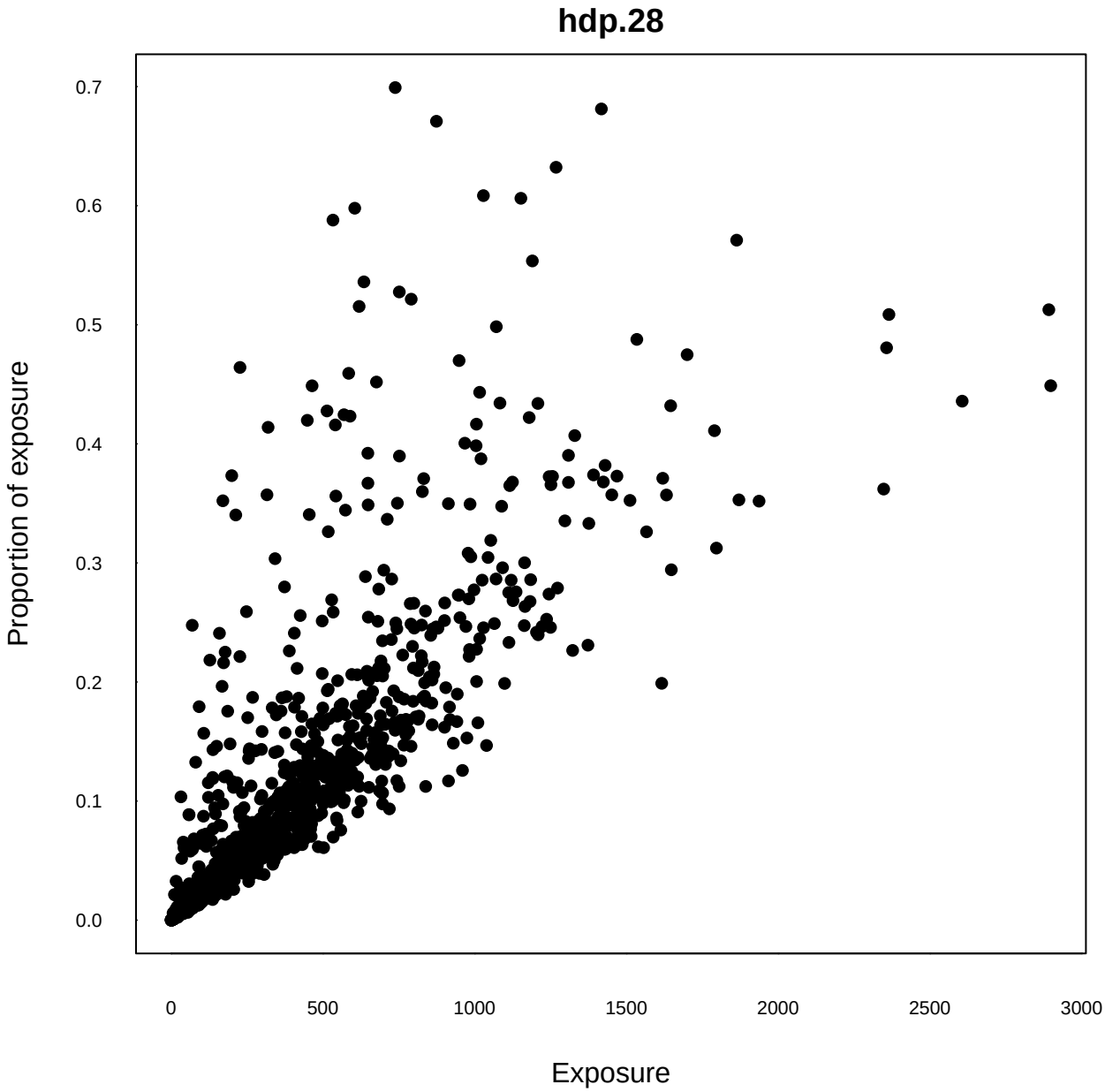

C>A
C>G
C>T
T>A
T>C
T>G
hdp.25
0.08
0.06
0.04
0.02
0.00
SP.Syn.Liver−HCC::S.39(0.322)
1197
367
1094
310
1063
273
164
123
82
41
0
SP.Syn.Liver−HCC::S.53(0.28)
1486
304
885
339
1399
173
168
126
84
42
0
SP.Syn.Liver−HCC::S.35(0.267)
1206
436
1085
386
906
352
132
99
66
33
0
SP.Syn.Liver−HCC::S.54(0.262)
1060
385
1130
315
1471
272
192
144
96
48
0
SP.Syn.Liver−HCC::S.44(0.26)
928
362
1206
298
985
269
160
120
80
40
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

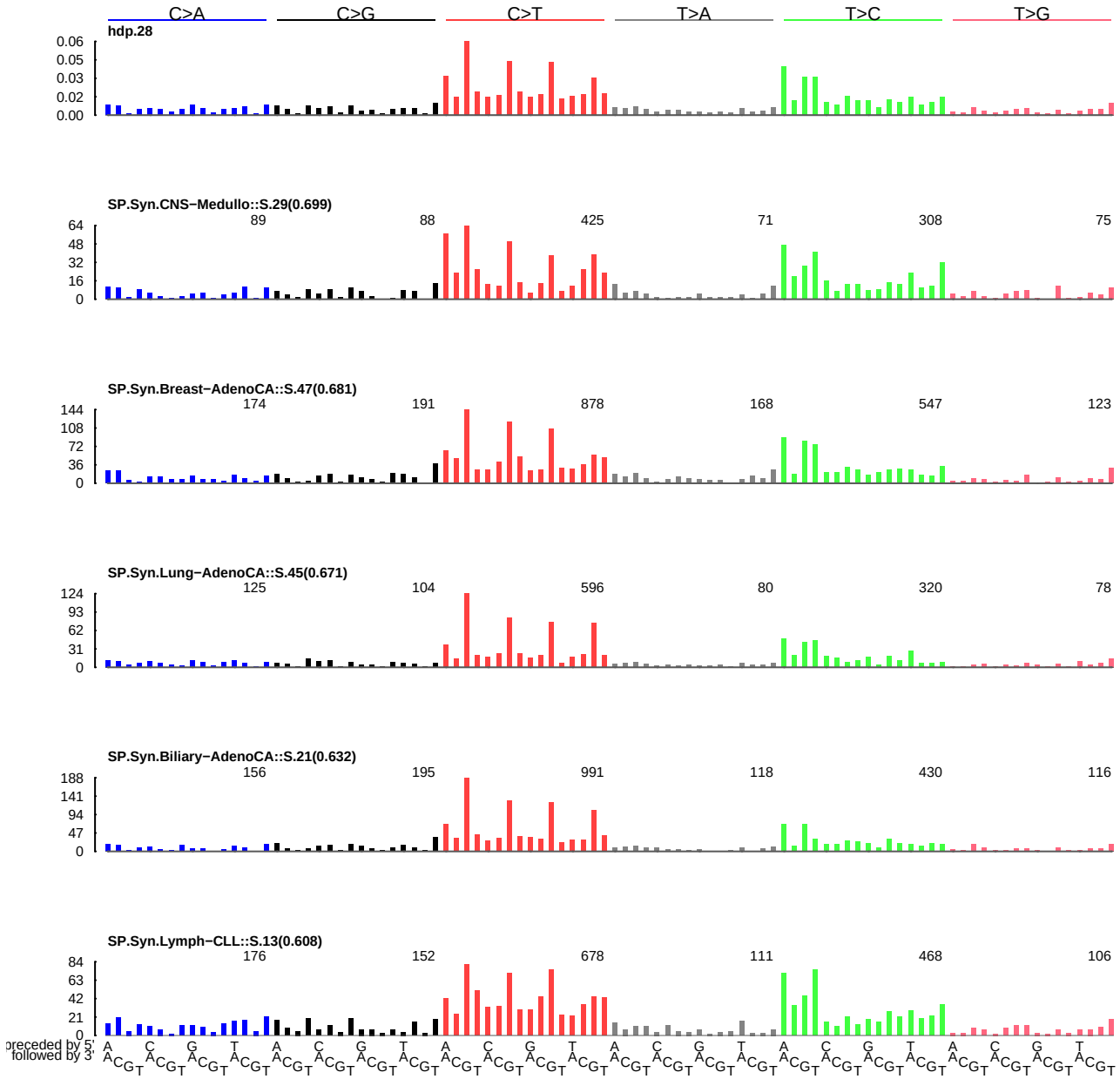

hdp.26
Proportion of exposure
0.4
0.3
0.2
0.1
0.0
0
500
1000
1500
2000
Exposure


C>A
C>G
C>T
T>A
T>C
T>G
hdp.26
0.13
0.10
0.07
0.03
0.00
SP.Syn.Panc−Endocrine::S.43(0.386)
239
170
2751
145
354
145
420
315
210
105
0
SP.Syn.Panc−Endocrine::S.2(0.376)
64
50
703
48
176
49
124
93
62
31
0
SP.Syn.Panc−AdenoCA::MSI−H.S.1(0.28)
188
119
6225
132
457
90
1628
1221
814
407
0
SP.Syn.Lymph−BNHL::S.27(0.178)
243
207
1404
189
631
1133
664
498
332
166
0
SP.Syn.Lymph−BNHL::S.32(0.139)
243
210
1366
338
686
579
208
156
104
52
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
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
200
400
600
800
1000
Exposure


C>A
C>G
C>T
T>A
T>C
T>G
hdp.27
0.12
0.09
0.06
0.03
0.00
SP.Syn.Panc−Endocrine::S.57(0.321)
265
267
976
217
343
141
124
93
62
31
0
SP.Syn.Panc−Endocrine::S.58(0.299)
263
274
1316
214
627
204
156
117
78
39
0
SP.Syn.Panc−AdenoCA::S.43(0.275)
236
253
2287
195
619
213
332
249
166
83
0
SP.Syn.Panc−Endocrine::S.32(0.248)
264
276
1686
192
556
181
224
168
112
56
0
SP.Syn.Panc−Endocrine::S.18(0.186)
328
365
1204
274
704
191
140
105
70
35
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
0.6
0.7
0
500
1000
1500
2000
2500
3000
Exposure


C>A
C>G
C>T
T>A
T>C
T>G
hdp.28
0.06
0.05
0.03
0.02
0.00
SP.Syn.CNS−Medullo::S.29(0.699)
89
88
425
71
308
75
64
48
32
16
0
SP.Syn.Breast−AdenoCA::S.47(0.681)
174
191
878
168
547
123
144
108
72
36
0
SP.Syn.Lung−AdenoCA::S.45(0.671)
125
104
596
80
320
78
124
93
62
31
0
SP.Syn.Biliary−AdenoCA::S.21(0.632)
156
195
991
118
430
116
188
141
94
47
0
SP.Syn.Lymph−CLL::S.13(0.608)
176
152
678
111
468
106
84
63
42
21
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