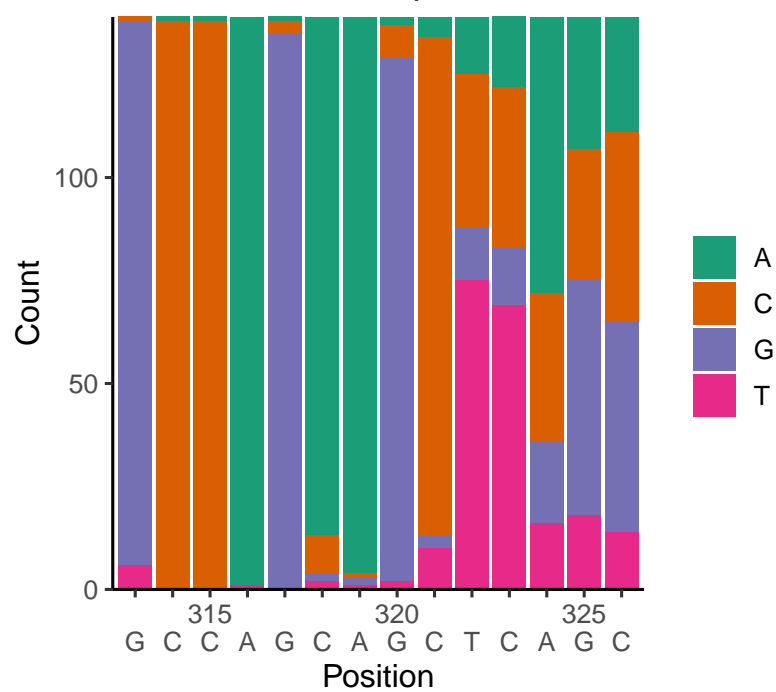
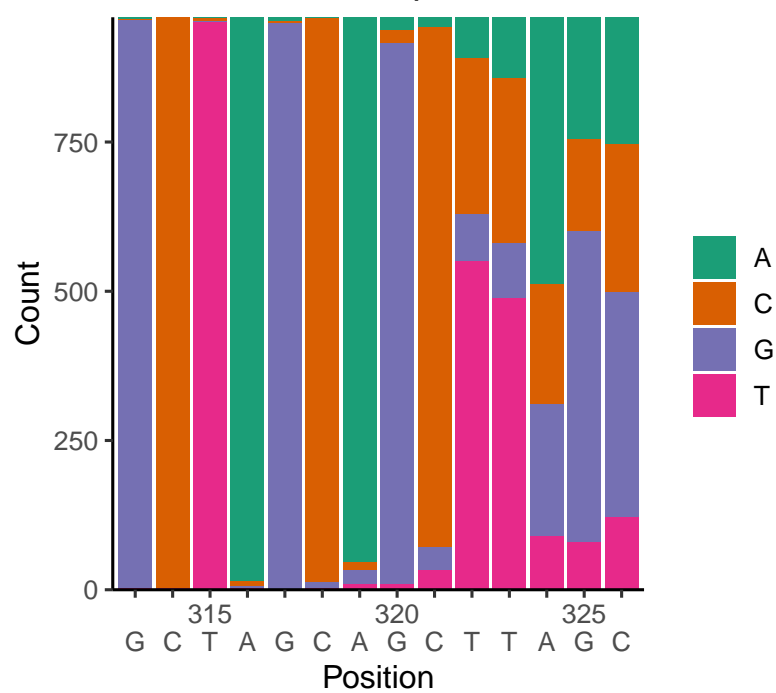


Gene TRBV7-1*ap01_G291C_T296C



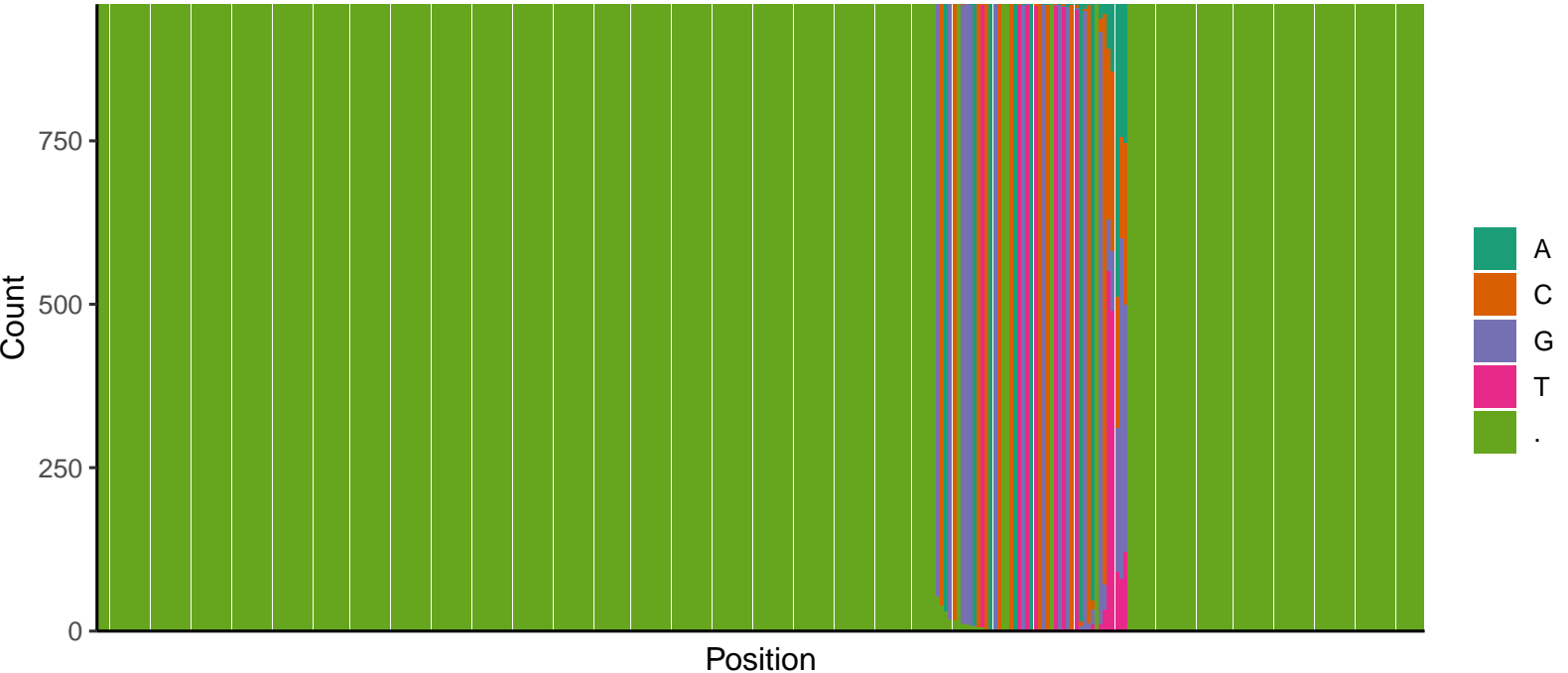
Gene TRBV7-7*ap01_C315T



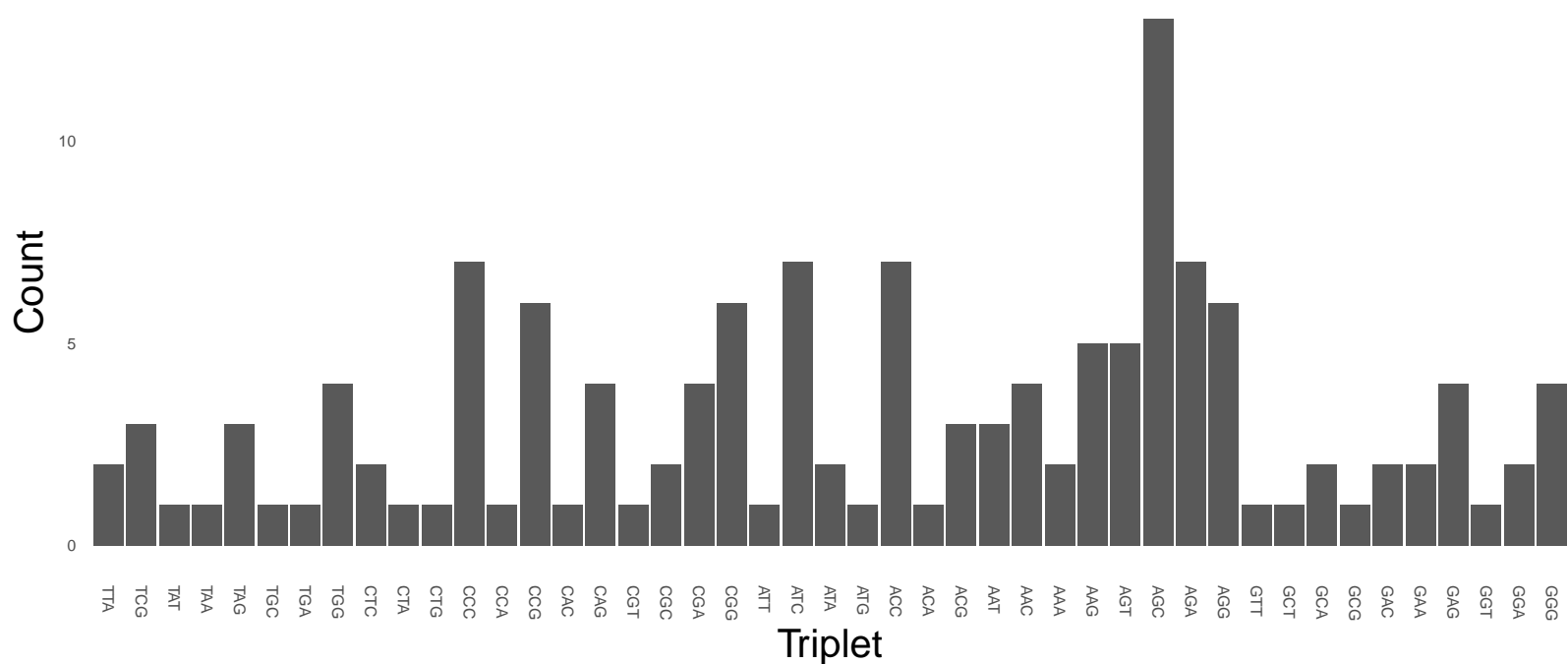
Gene TRBV7-1*ap01_G291C_T296C



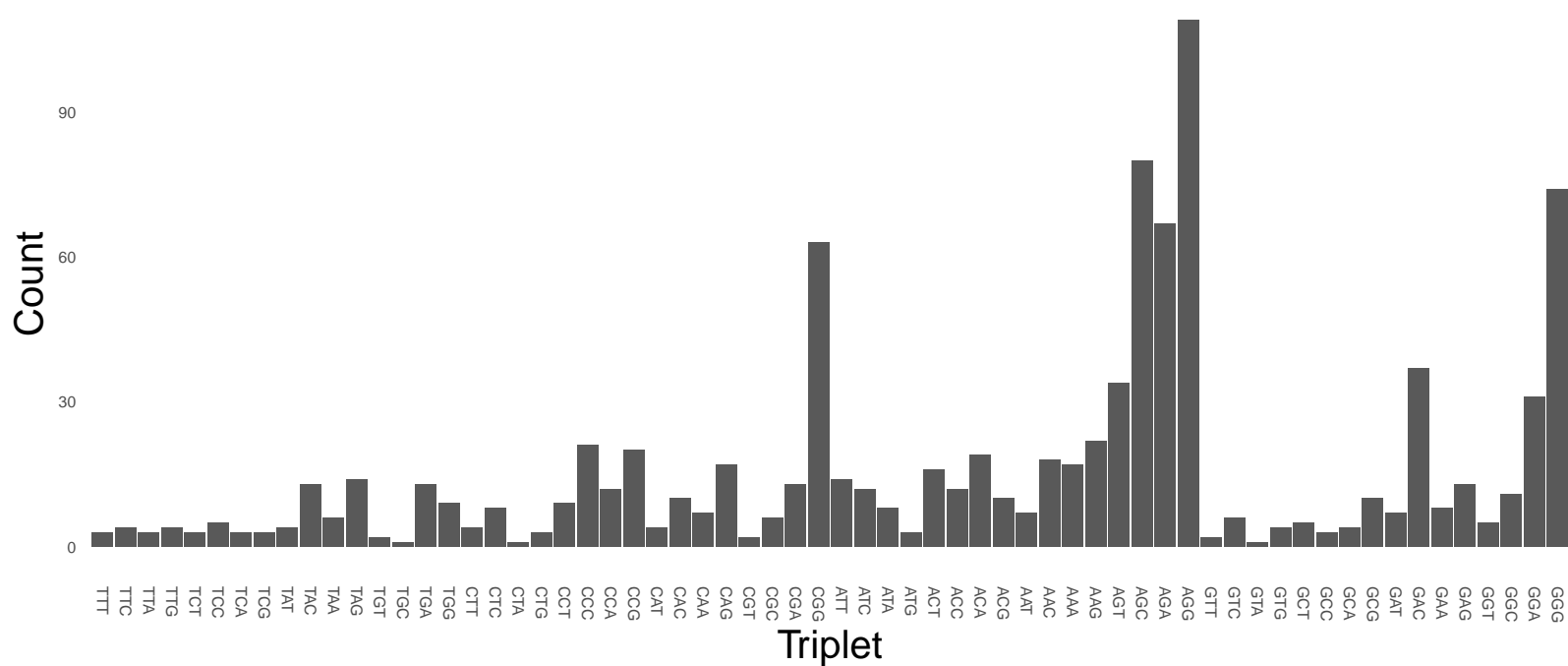
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

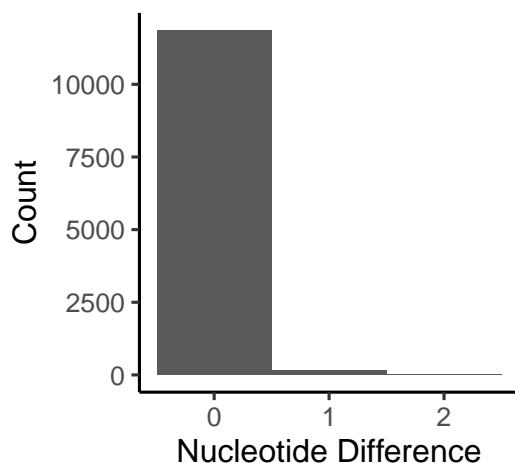


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



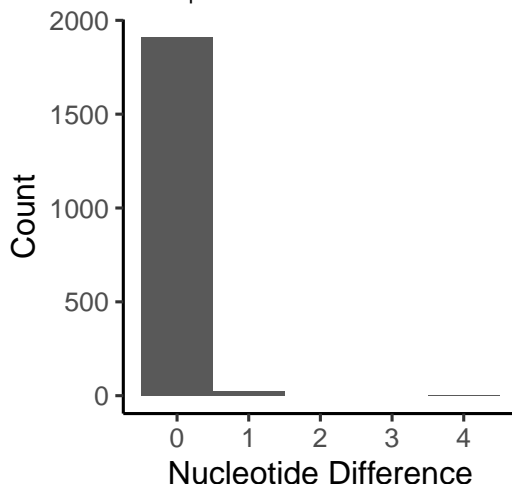
TRBV20-1*ap01

12026 sequences assigned
11864 (98.7%) exact matches, in which:
11637 unique CDR3
13 unique J



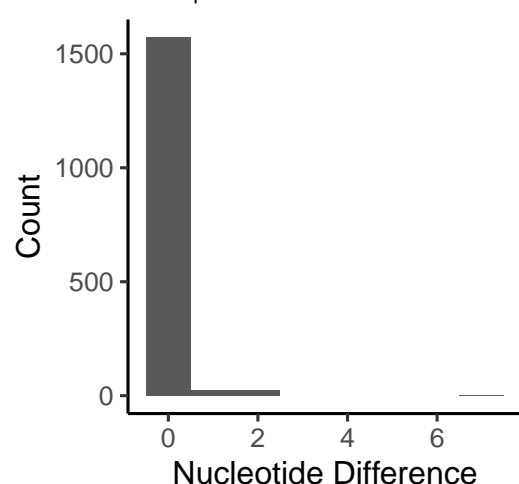
TRBV10-2*ap01

1934 sequences assigned
1909 (98.7%) exact matches, in which:
1859 unique CDR3
13 unique J



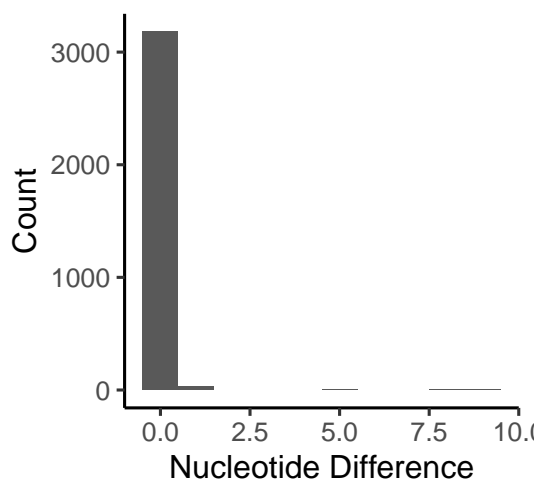
TRBV13*ap01

1622 sequences assigned
1572 (96.9%) exact matches, in which:
1517 unique CDR3
13 unique J



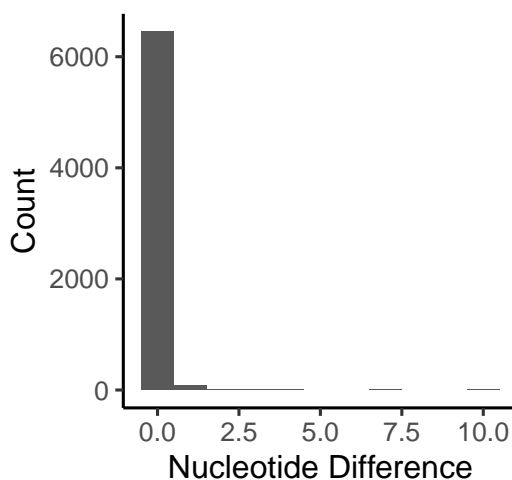
TRBV10-1*ap01

3211 sequences assigned
3181 (99.1%) exact matches, in which:
3088 unique CDR3
13 unique J



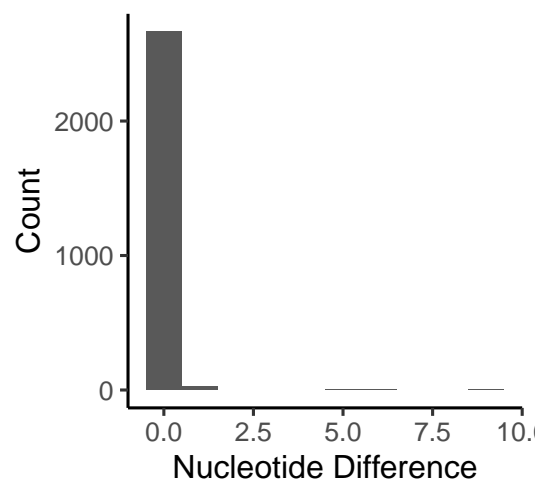
TRBV10-3*ap01

6542 sequences assigned
6450 (98.6%) exact matches, in which:
6250 unique CDR3
13 unique J



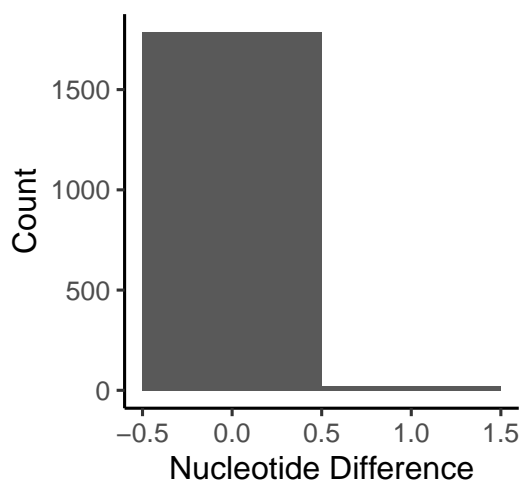
TRBV14*ap01

2697 sequences assigned
2664 (98.8%) exact matches, in which:
2601 unique CDR3
13 unique J



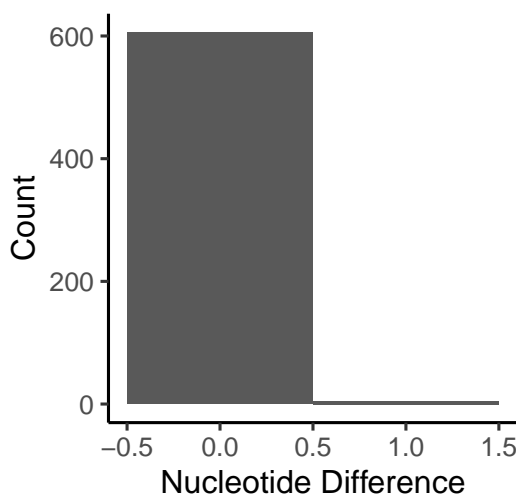
TRBV20-1*ap02

1809 sequences assigned
1787 (98.8%) exact matches, in which:
1751 unique CDR3
13 unique J



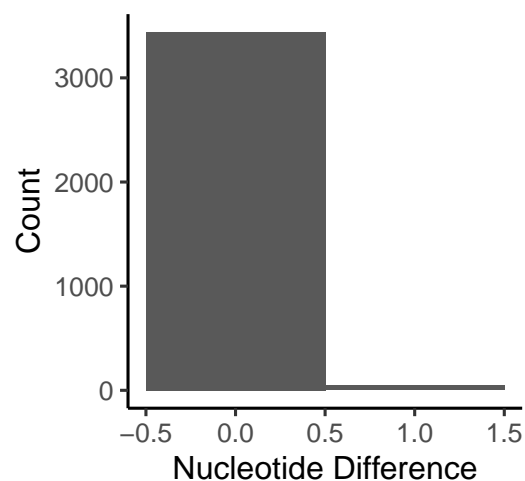
TRBV1*ap01

611 sequences assigned
606 (99.2%) exact matches, in which:
585 unique CDR3
13 unique J



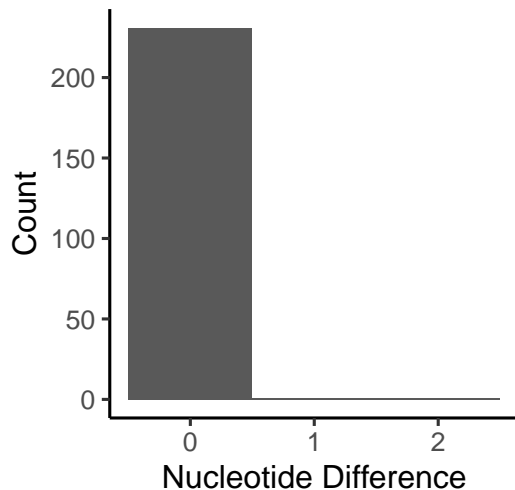
TRBV15*ap02

3486 sequences assigned
3440 (98.7%) exact matches, in which:
3339 unique CDR3
13 unique J



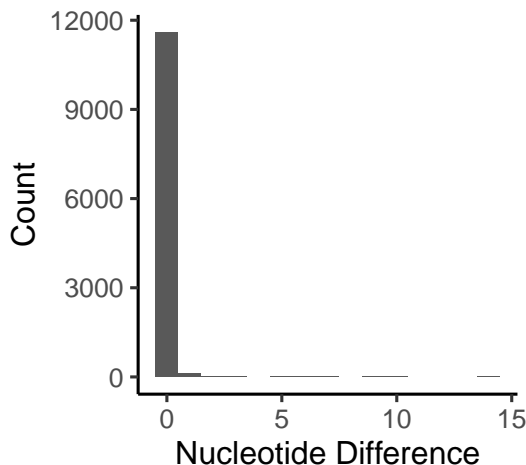
TRBV16*ap01

233 sequences assigned
231 (99.1%) exact matches, in which:
228 unique CDR3
13 unique J



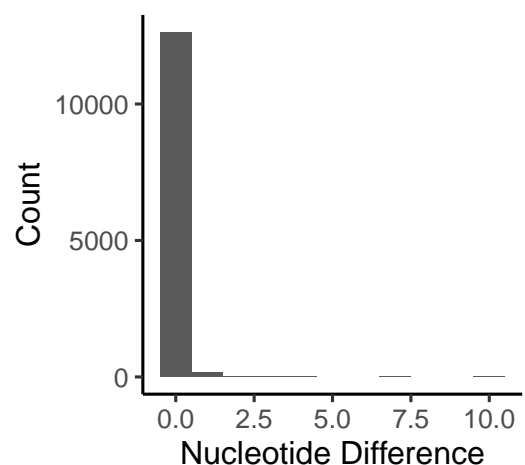
TRBV19*ap01

11741 sequences assigned
11599 (98.8%) exact matches, in which:
11422 unique CDR3
13 unique J



TRBV27*ap01

12811 sequences assigned
12633 (98.6%) exact matches, in which:
12270 unique CDR3
13 unique J



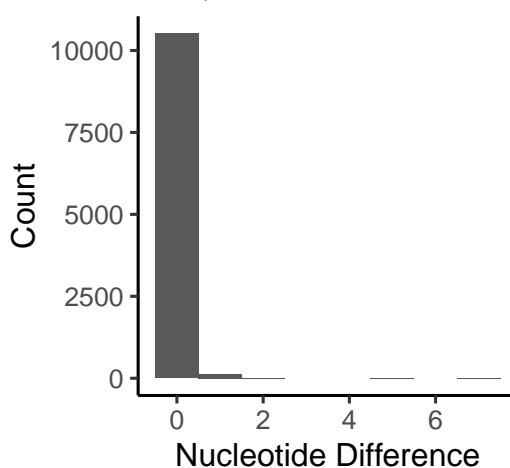
TRBV17*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



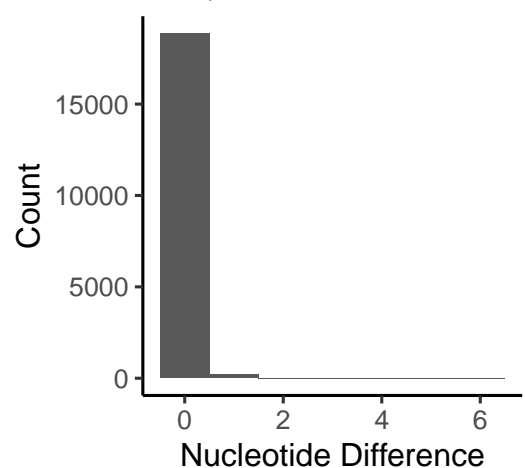
TRBV2*ap01

10662 sequences assigned
10519 (98.7%) exact matches, in which:
10257 unique CDR3
13 unique J



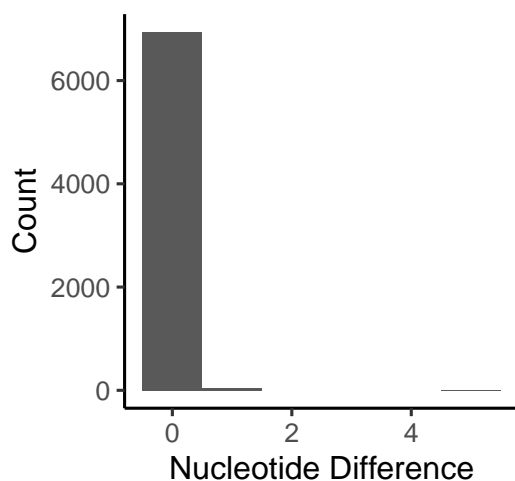
TRBV28*ap01

19089 sequences assigned
18863 (98.8%) exact matches, in which:
18434 unique CDR3
13 unique J



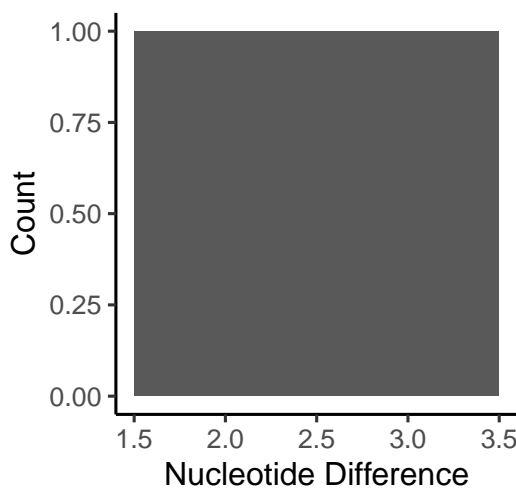
TRBV18*ap01

6988 sequences assigned
6940 (99.3%) exact matches, in which:
6840 unique CDR3
13 unique J



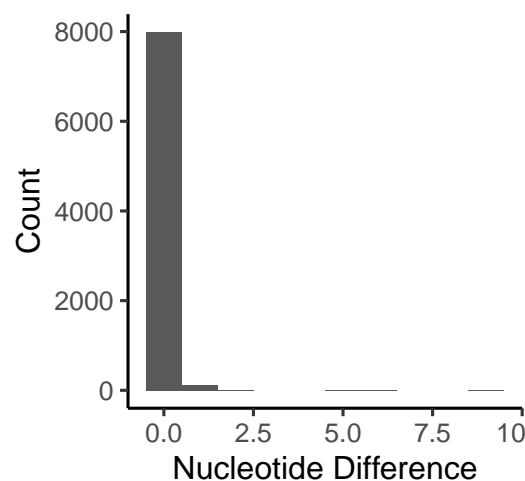
TRBV26*ap01

2 sequences assigned
No exact matches.



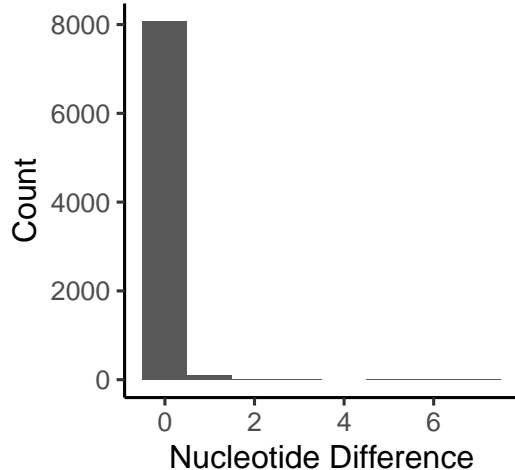
TRBV30*ap01

8121 sequences assigned
7990 (98.4%) exact matches, in which:
7831 unique CDR3
13 unique J



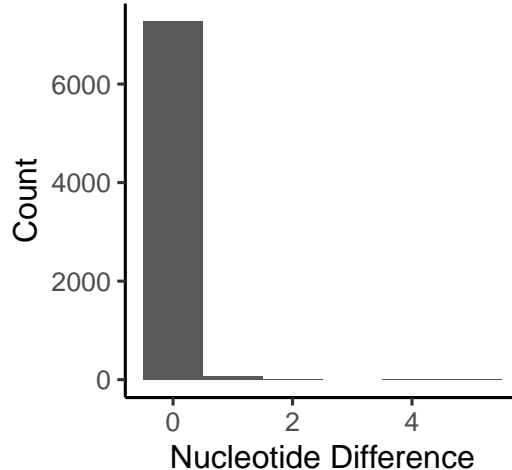
TRBV9*ap01

8179 sequences assigned
8071 (98.7%) exact matches, in which:
7873 unique CDR3
13 unique J



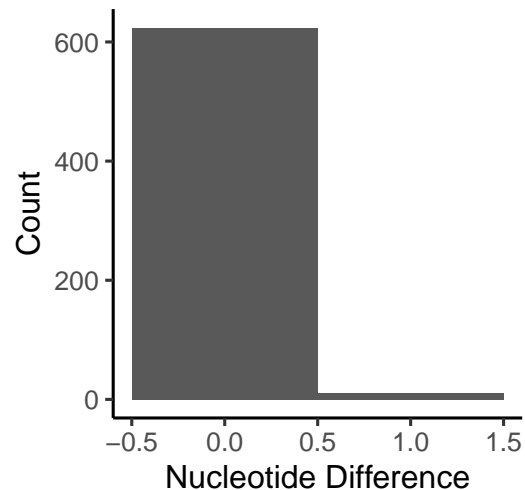
TRBV11-2*ap01

7358 sequences assigned
7272 (98.8%) exact matches, in which:
7081 unique CDR3
13 unique J



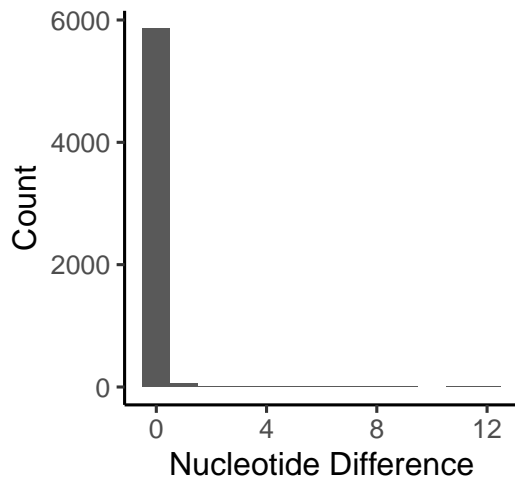
TRBV12-2*ap01

635 sequences assigned
624 (98.3%) exact matches, in which:
614 unique CDR3
13 unique J



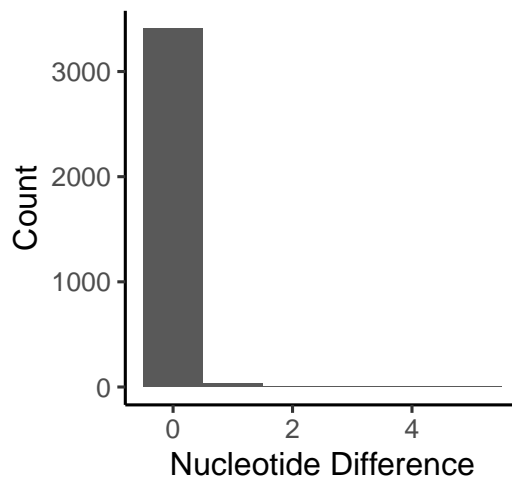
TRBV21-1*ap01

5941 sequences assigned
5857 (98.6%) exact matches, in which:
5737 unique CDR3
13 unique J



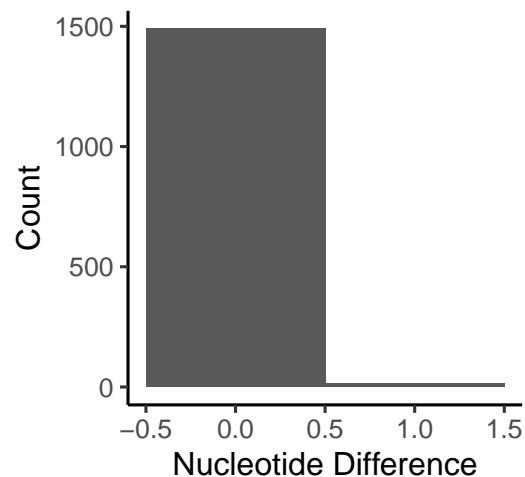
TRBV11-3*ap01

3445 sequences assigned
3407 (98.9%) exact matches, in which:
3348 unique CDR3
13 unique J



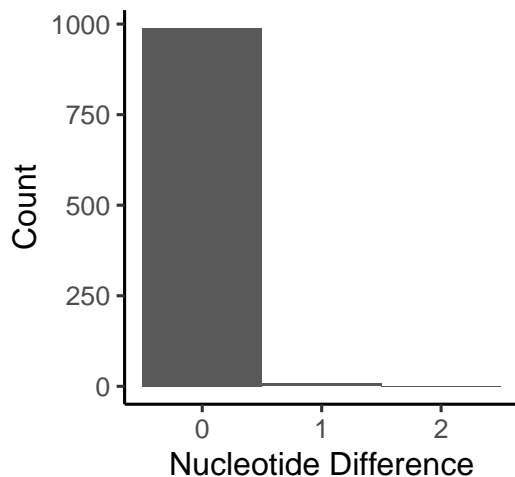
TRBV12-5*ap01

1506 sequences assigned
1490 (98.9%) exact matches, in which:
1450 unique CDR3
13 unique J



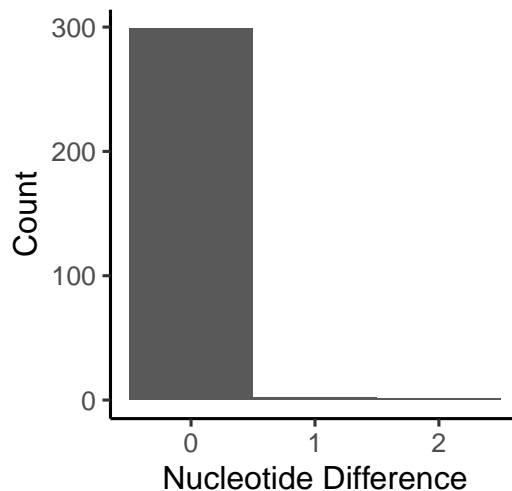
TRBV11-1*ap01

998 sequences assigned
989 (99.1%) exact matches, in which:
962 unique CDR3
13 unique J



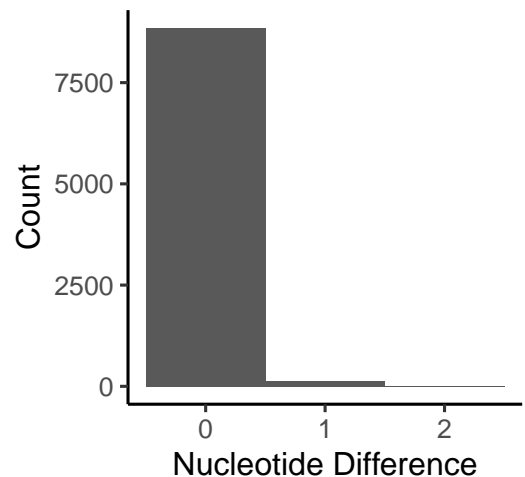
TRBV12-1*ap01

302 sequences assigned
299 (99%) exact matches, in which:
291 unique CDR3
13 unique J



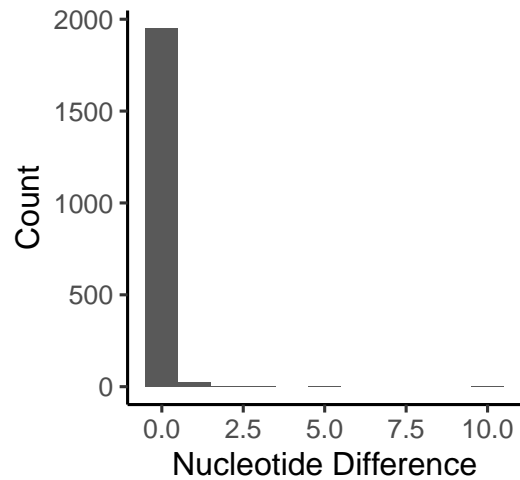
TRBV12-34*ap01

8989 sequences assigned
8848 (98.4%) exact matches, in which:
8631 unique CDR3
13 unique J



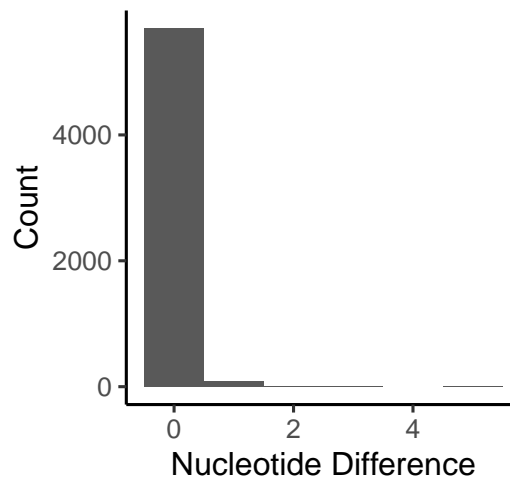
TRBV23-1*ap01

1981 sequences assigned
1950 (98.4%) exact matches, in which:
1910 unique CDR3
13 unique J



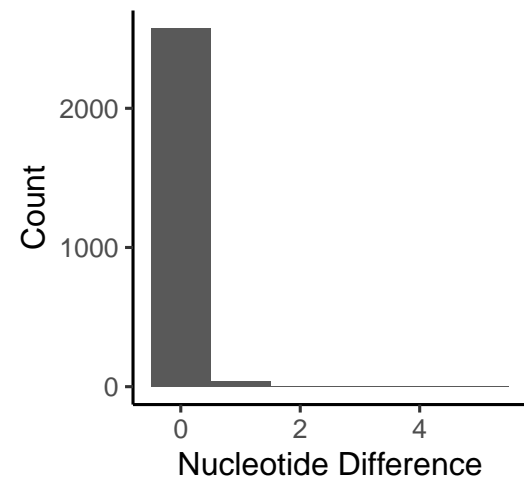
TRBV24-1*ap01

5788 sequences assigned
5692 (98.3%) exact matches, in which:
5540 unique CDR3
13 unique J



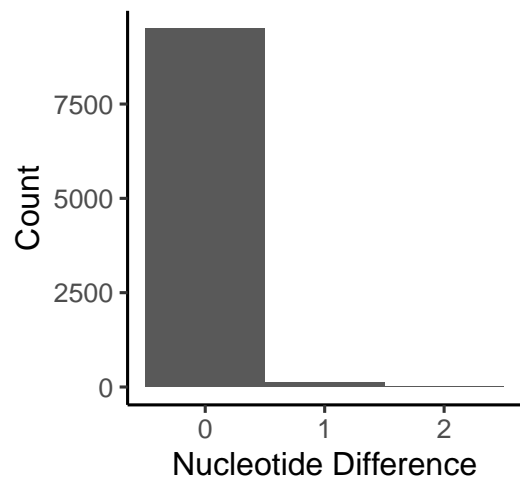
TRBV25-1*ap01

2617 sequences assigned
2574 (98.4%) exact matches, in which:
2525 unique CDR3
13 unique J



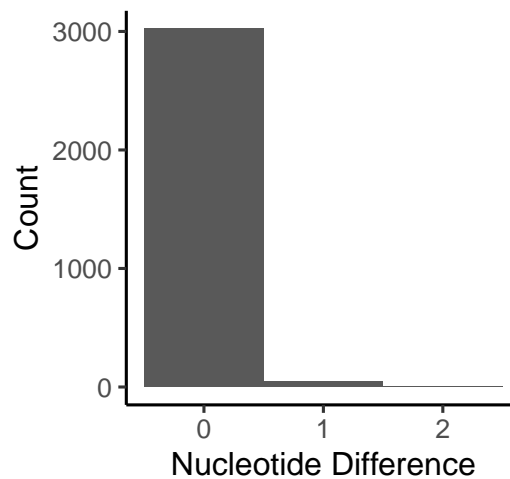
TRBV3-12*ap01

9617 sequences assigned
9496 (98.7%) exact matches, in which:
9248 unique CDR3
13 unique J



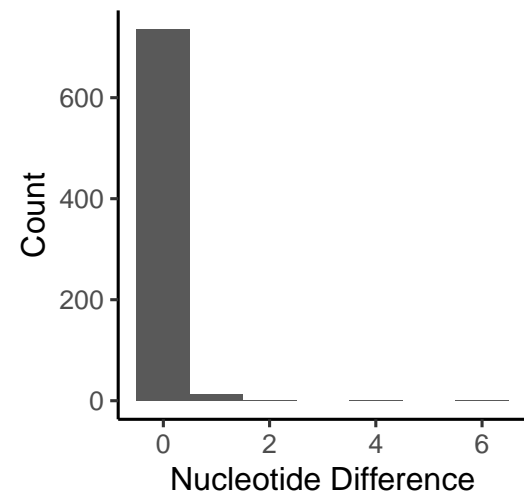
TRBV4-2*ap01

3074 sequences assigned
3023 (98.3%) exact matches, in which:
2952 unique CDR3
13 unique J



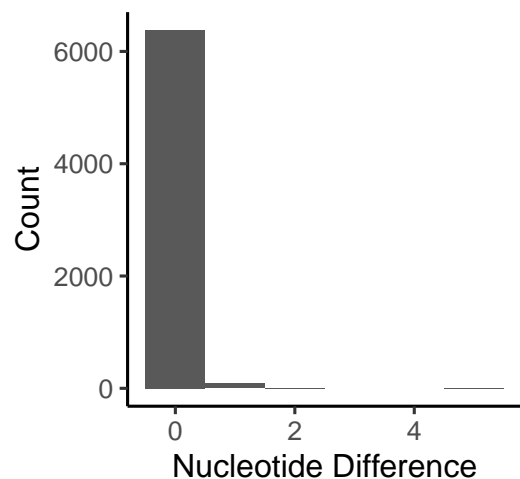
TRBV5-3*ap01

752 sequences assigned
736 (97.9%) exact matches, in which:
719 unique CDR3
13 unique J



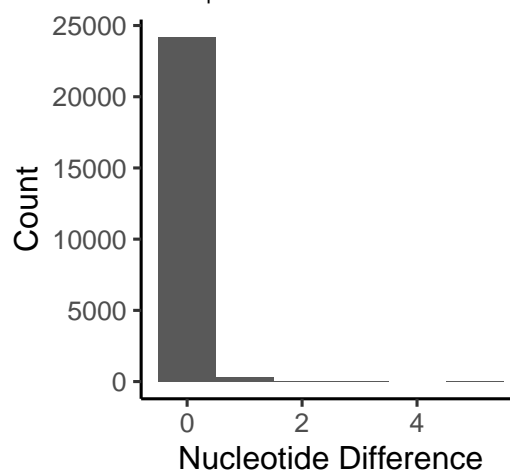
TRBV4-1*ap01

6468 sequences assigned
6381 (98.7%) exact matches, in which:
6185 unique CDR3
13 unique J



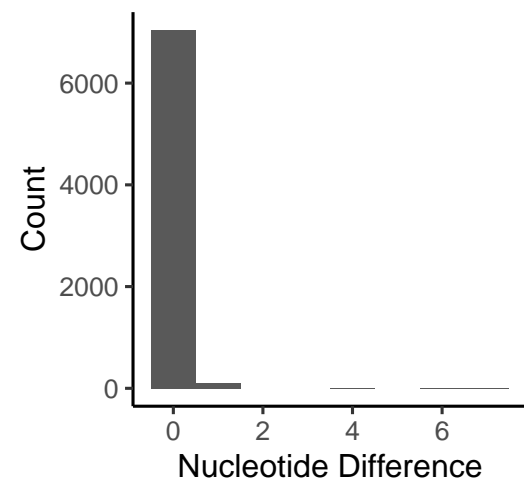
TRBV5-1*ap01

24538 sequences assigned
24209 (98.7%) exact matches, in which:
23514 unique CDR3
13 unique J



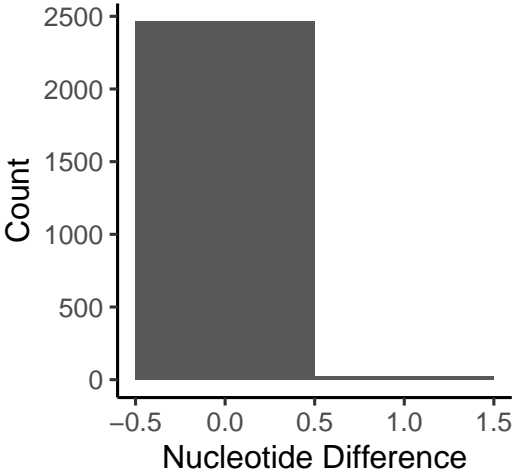
TRBV5-4*ap01

7145 sequences assigned
7043 (98.6%) exact matches, in which:
6866 unique CDR3
13 unique J



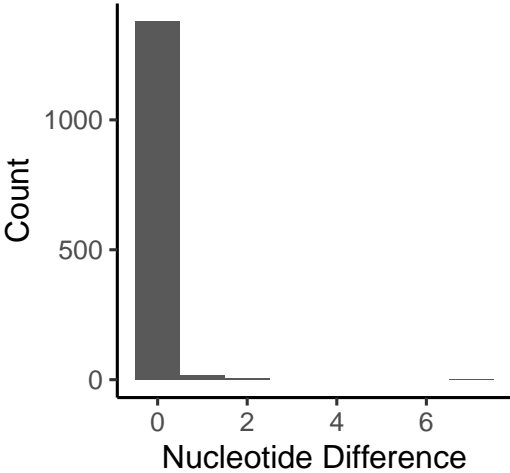
TRBV5-5*ap01

2488 sequences assigned
2465 (99.1%) exact matches, in which:
2432 unique CDR3
13 unique J



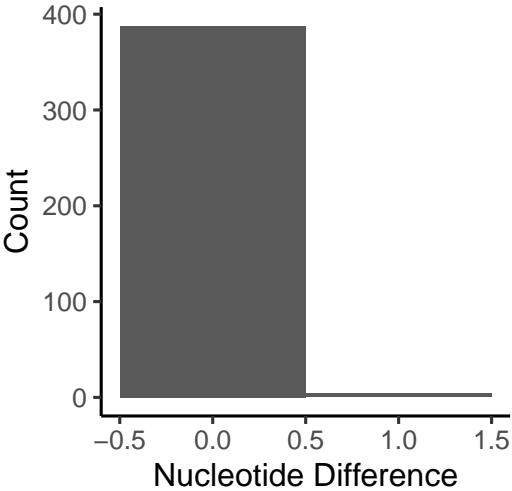
TRBV5-8*ap01

1404 sequences assigned
1379 (98.2%) exact matches, in which:
1348 unique CDR3
13 unique J



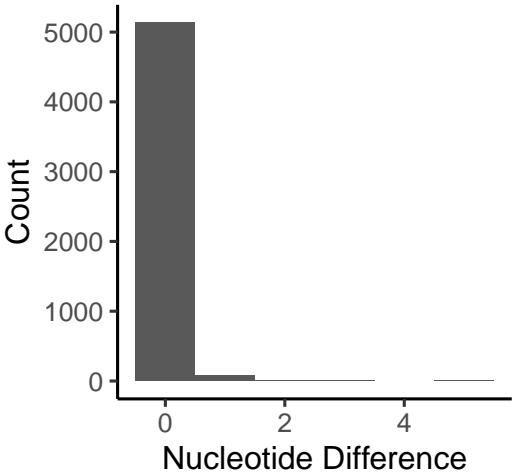
TRBV6-7*ap01

392 sequences assigned
388 (99%) exact matches, in which:
377 unique CDR3
13 unique J



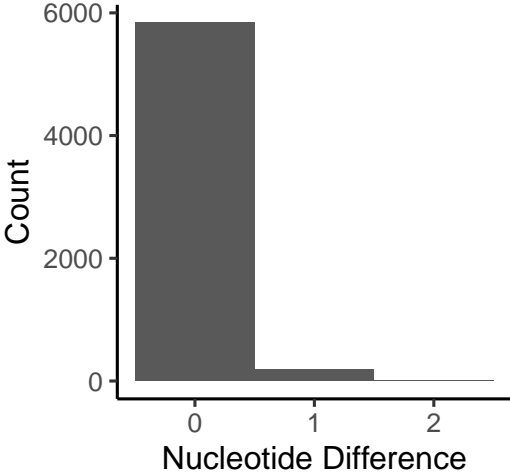
TRBV5-6*ap01

5213 sequences assigned
5134 (98.5%) exact matches, in which:
4962 unique CDR3
13 unique J



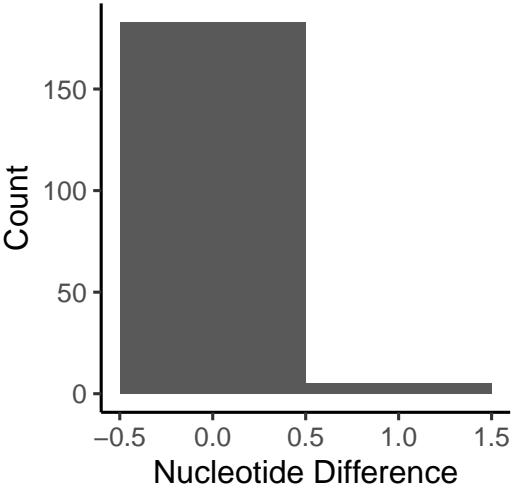
TRBV6-1*ap01

6024 sequences assigned
5839 (96.9%) exact matches, in which:
5658 unique CDR3
13 unique J



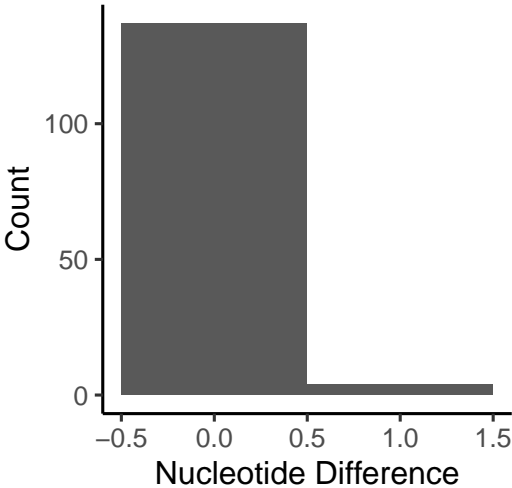
TRBV6-8*ap01

188 sequences assigned
183 (97.3%) exact matches, in which:
174 unique CDR3
13 unique J



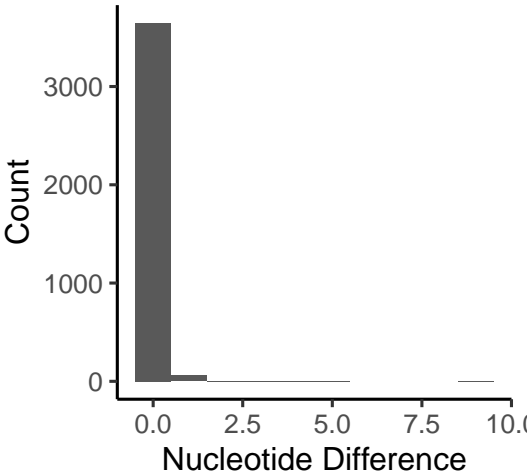
TRBV5-7*ap01

141 sequences assigned
137 (97.2%) exact matches, in which:
134 unique CDR3
13 unique J



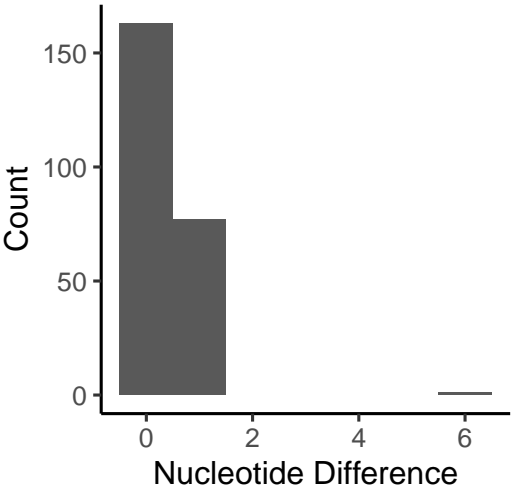
TRBV6-4*ap01

3719 sequences assigned
3646 (98%) exact matches, in which:
3574 unique CDR3
13 unique J



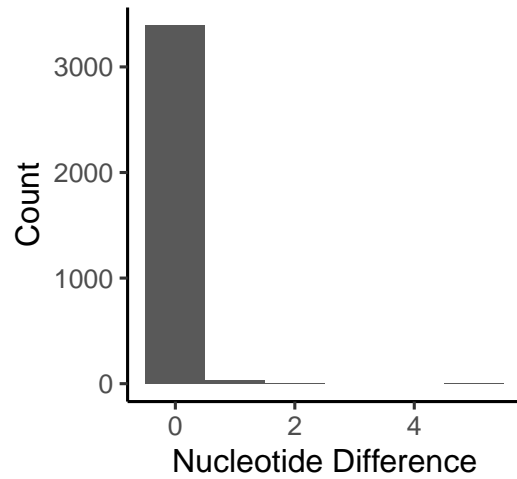
TRBV6-9*ap01

241 sequences assigned
163 (67.6%) exact matches, in which:
157 unique CDR3
13 unique J



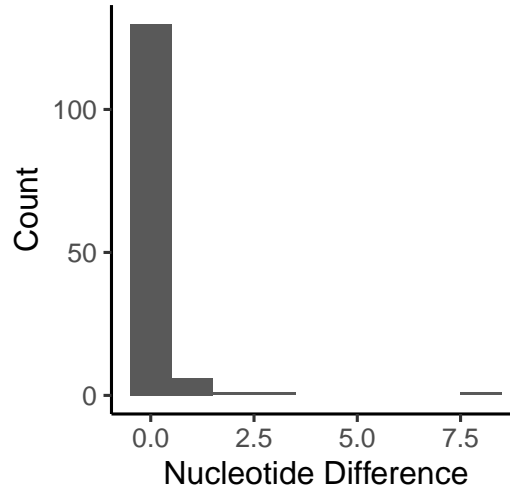
TRBV6-23*ap01

3428 sequences assigned
3393 (99%) exact matches, in which:
3297 unique CDR3
13 unique J



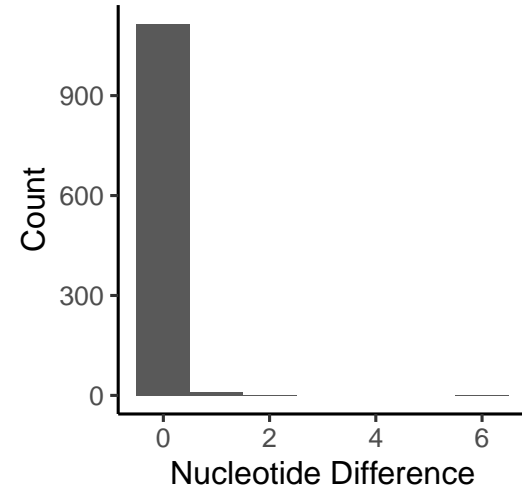
TRBV7-1*ap01_G291C_

139 sequences assigned
130 (93.5%) exact matches, in which:
126 unique CDR3
13 unique J



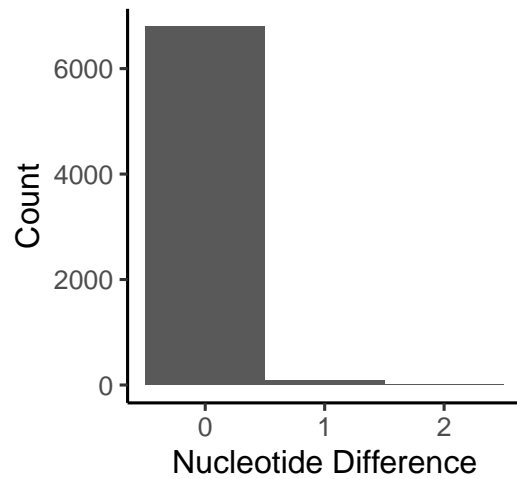
TRBV7-3*ap03

1130 sequences assigned
1116 (98.8%) exact matches, in which:
1087 unique CDR3
13 unique J



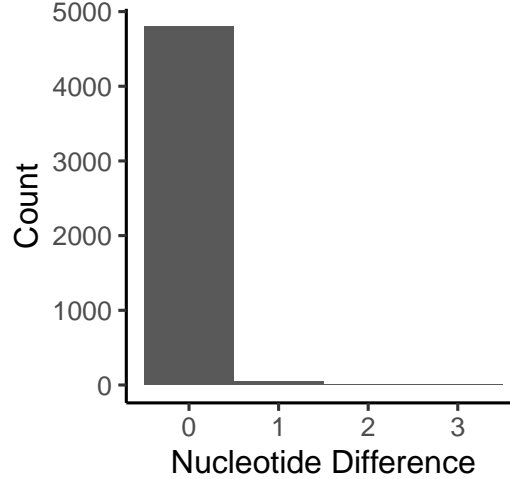
TRBV6-56*ap01

6885 sequences assigned
6794 (98.7%) exact matches, in which:
6577 unique CDR3
13 unique J



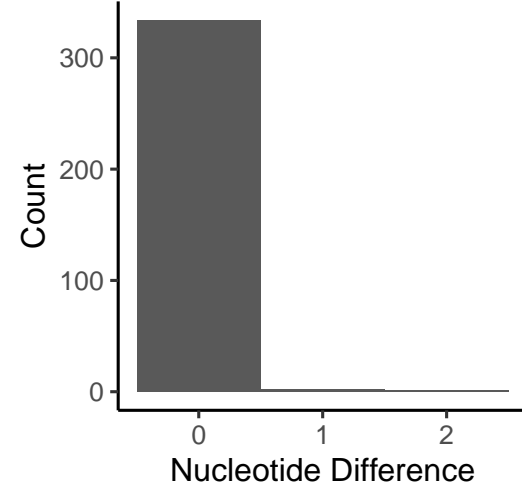
TRBV7-2*ap01

4849 sequences assigned
4797 (98.9%) exact matches, in which:
4681 unique CDR3
13 unique J



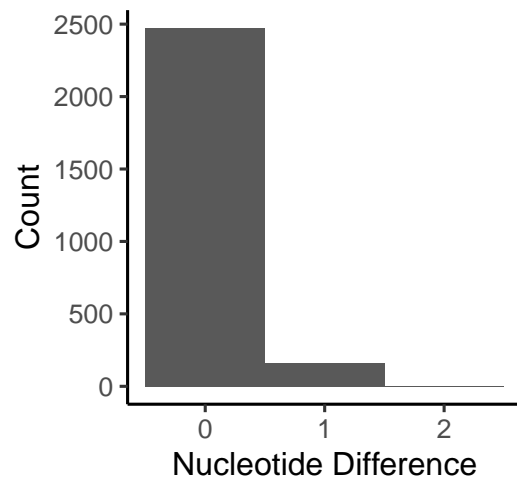
TRBV7-4*ap01

337 sequences assigned
334 (99.1%) exact matches, in which:
326 unique CDR3
13 unique J



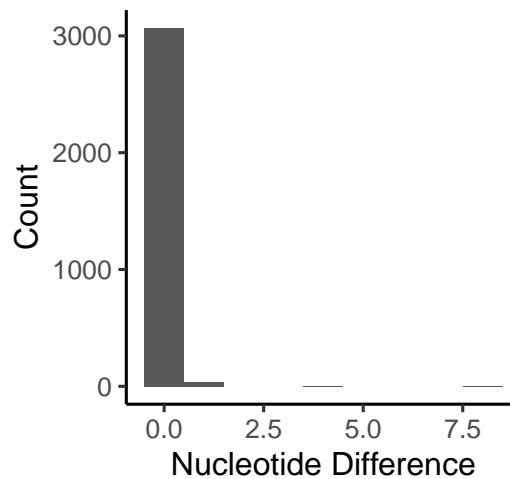
TRBV6-56*ap02

2639 sequences assigned
2473 (93.7%) exact matches, in which:
2402 unique CDR3
13 unique J



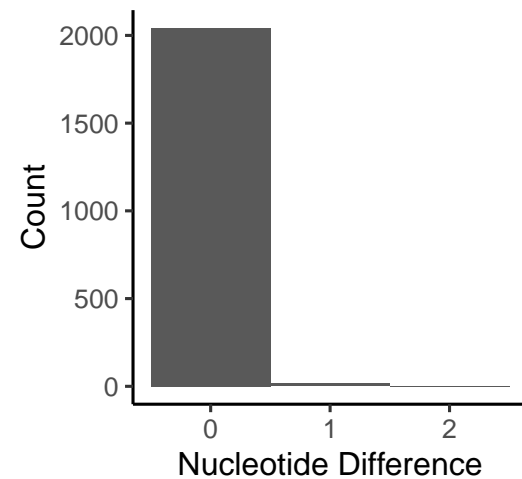
TRBV7-3*ap01

3106 sequences assigned
3067 (98.7%) exact matches, in which:
3004 unique CDR3
13 unique J



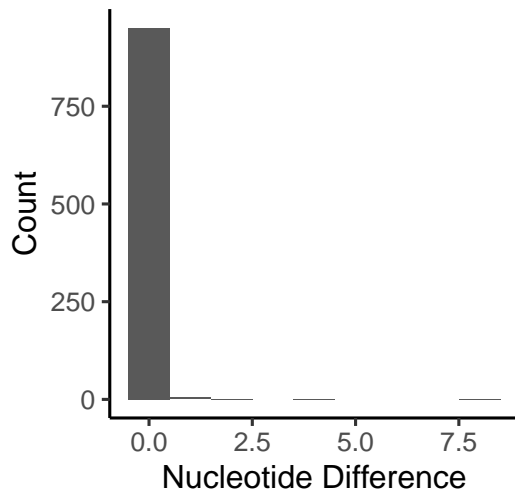
TRBV7-6*ap01

2059 sequences assigned
2042 (99.2%) exact matches, in which:
1989 unique CDR3
13 unique J



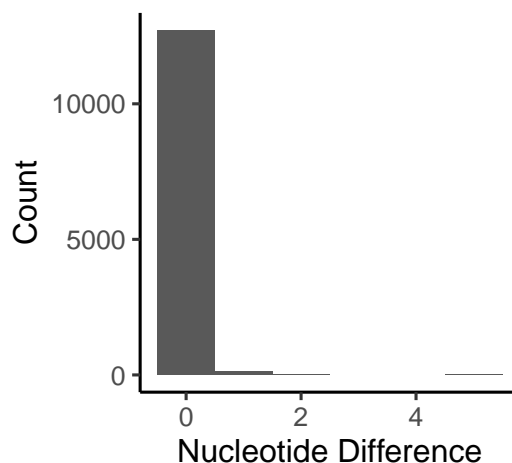
TRBV7-7*ap01_C315T

959 sequences assigned
951 (99.2%) exact matches, in which:
926 unique CDR3
13 unique J



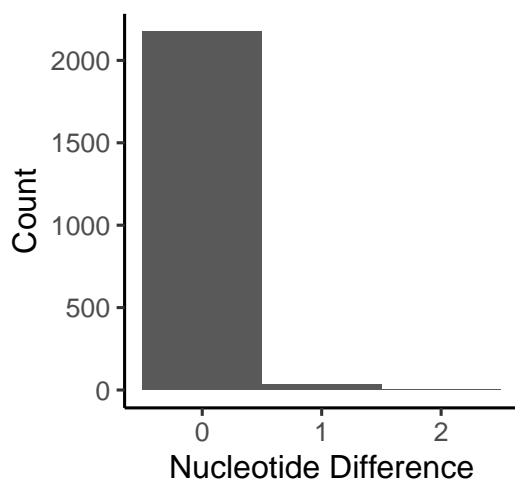
TRBV7-9*ap01

12839 sequences assigned
12717 (99%) exact matches, in which:
12495 unique CDR3
13 unique J



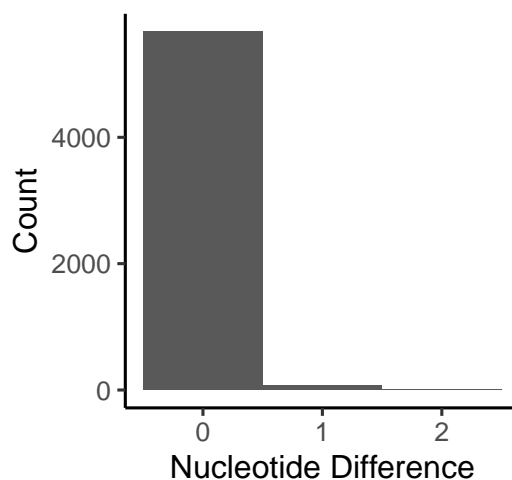
TRBV7-8*ap01

2209 sequences assigned
2174 (98.4%) exact matches, in which:
2111 unique CDR3
13 unique J



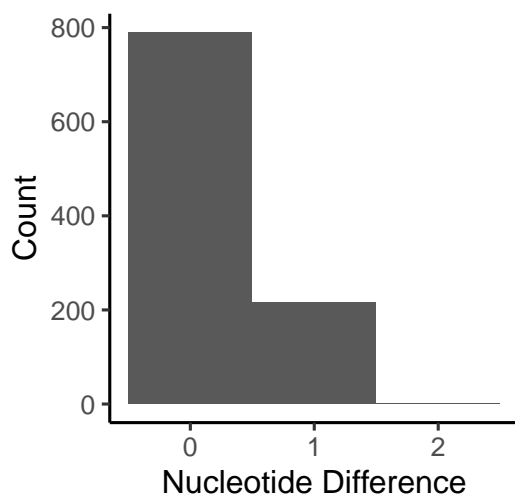
TRBV29-1*ap01

5749 sequences assigned
5672 (98.7%) exact matches, in which:
5509 unique CDR3
13 unique J



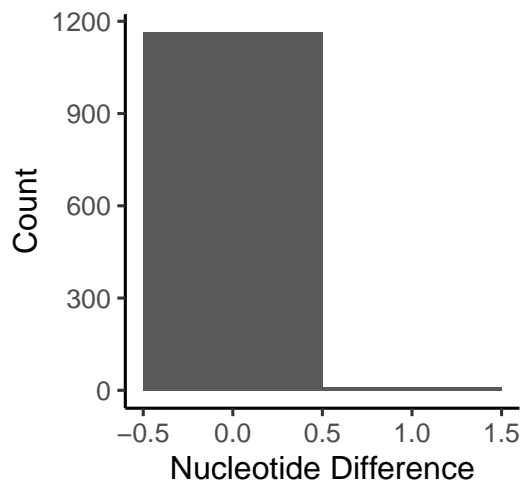
TRBV7-8*ap03

1008 sequences assigned
790 (78.4%) exact matches, in which:
758 unique CDR3
13 unique J

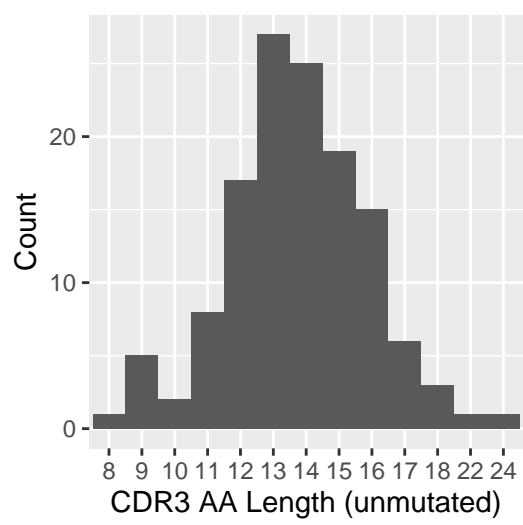


TRBV29-1*ap02

1175 sequences assigned
1165 (99.1%) exact matches, in which:
1135 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

