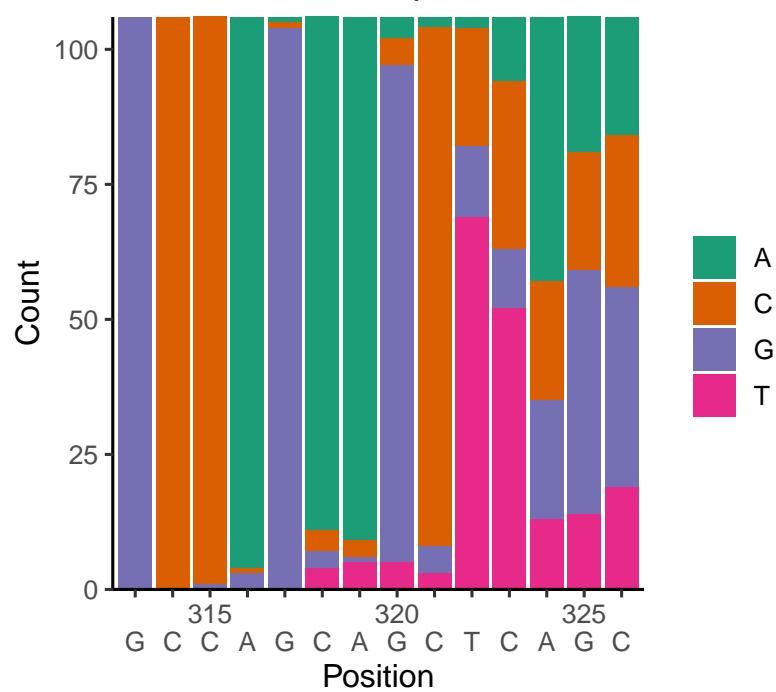
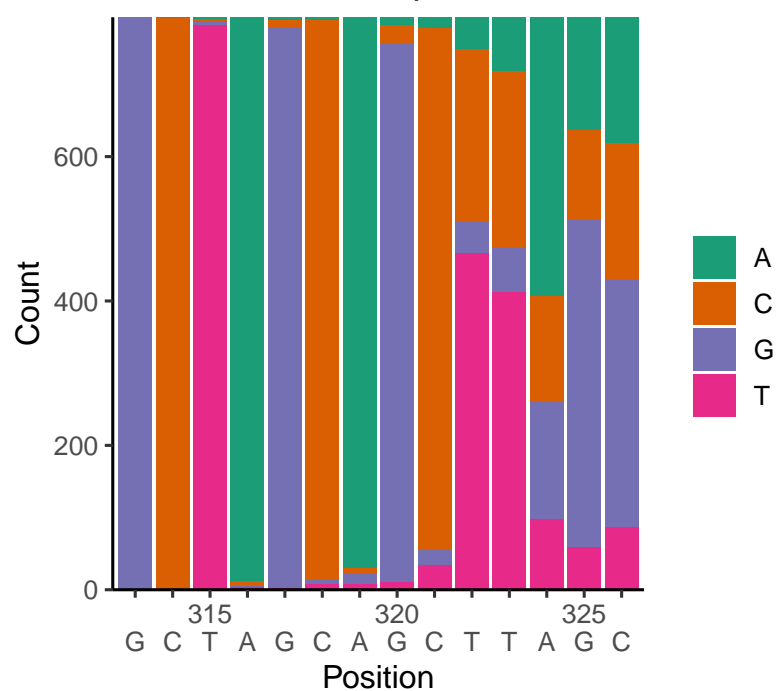


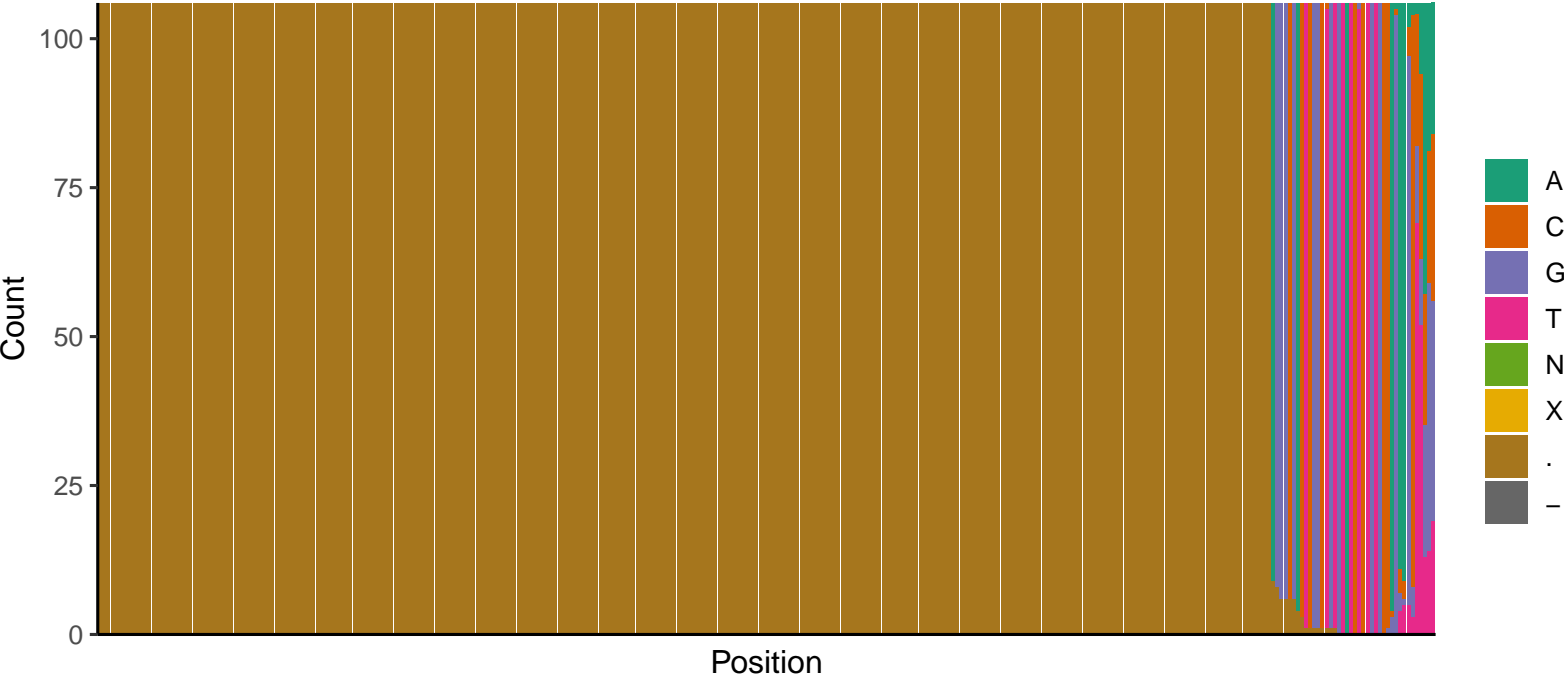
Gene TRBV7-1*ap01_G291C_T296C



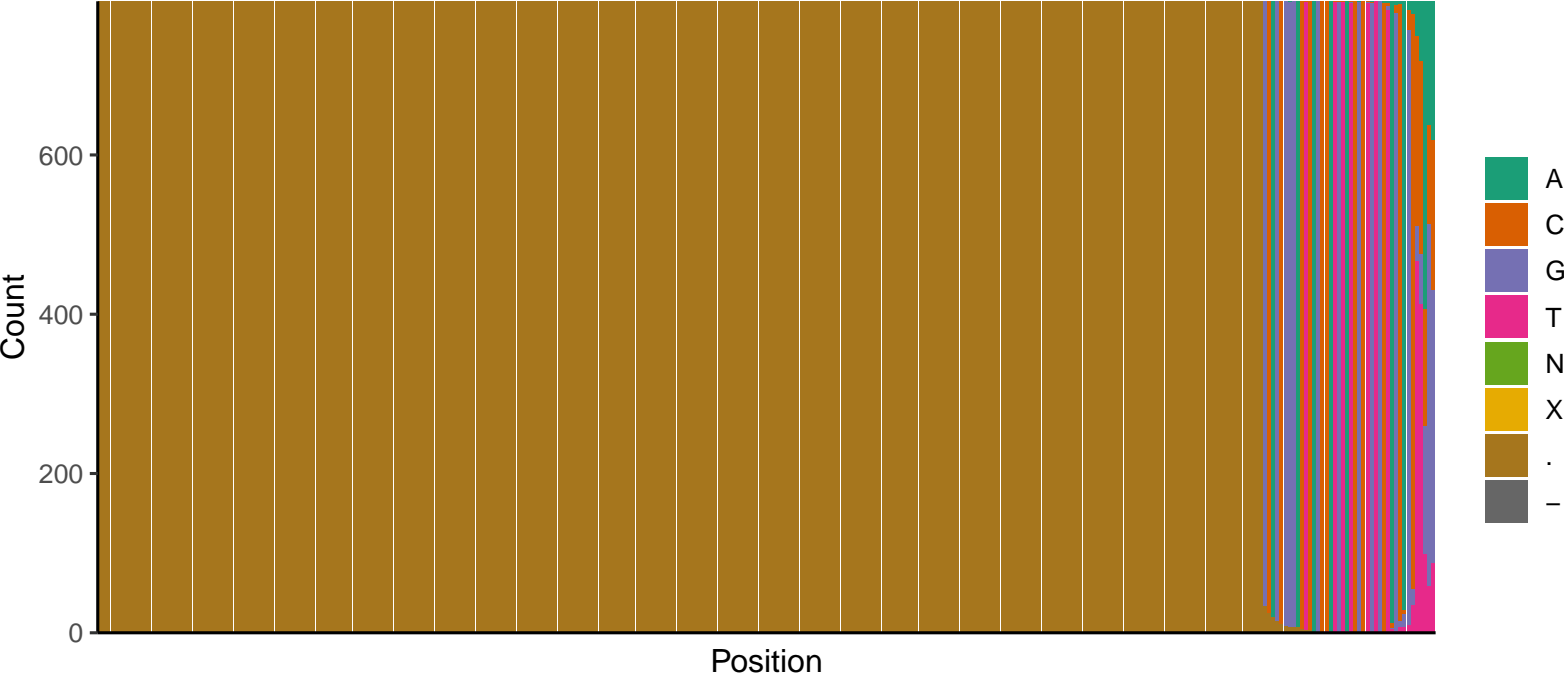
Gene TRBV7-7*ap01_C315T



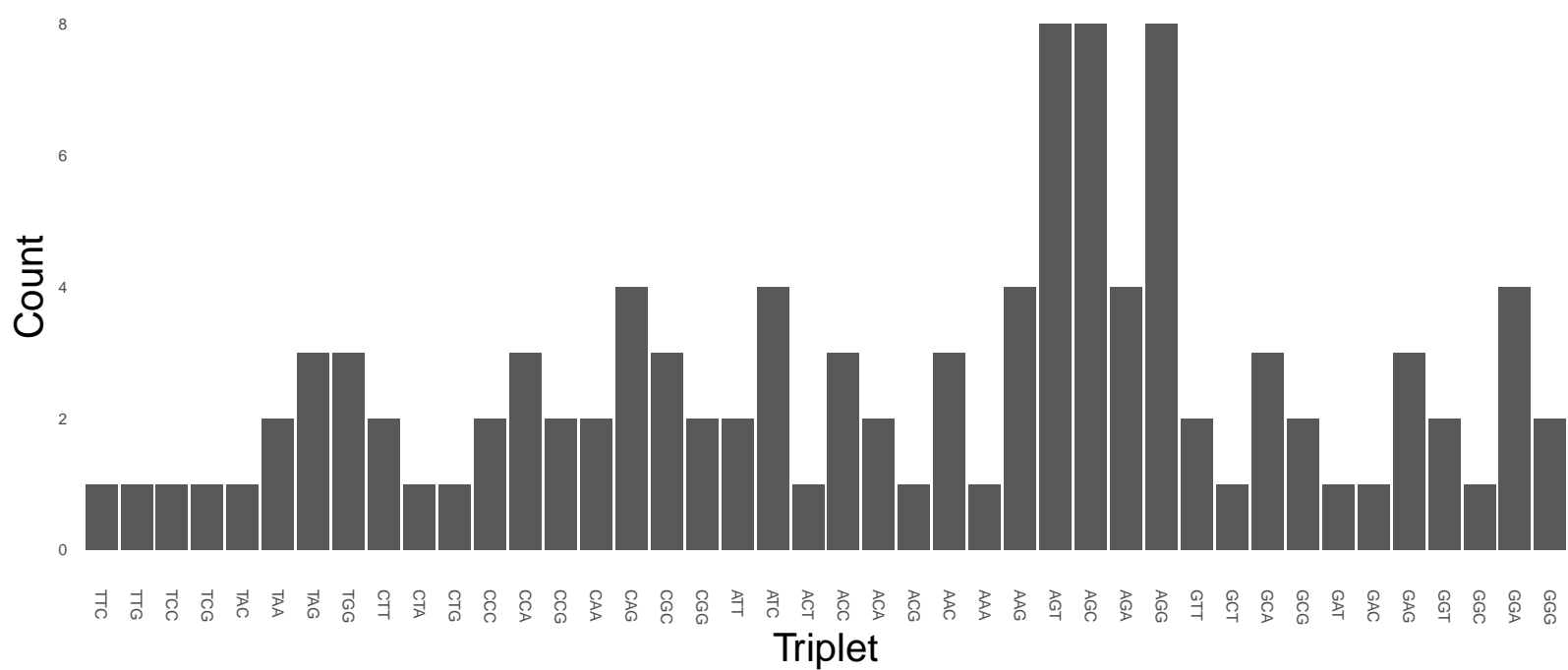
Gene TRBV7-1*ap01_G291C_T296C



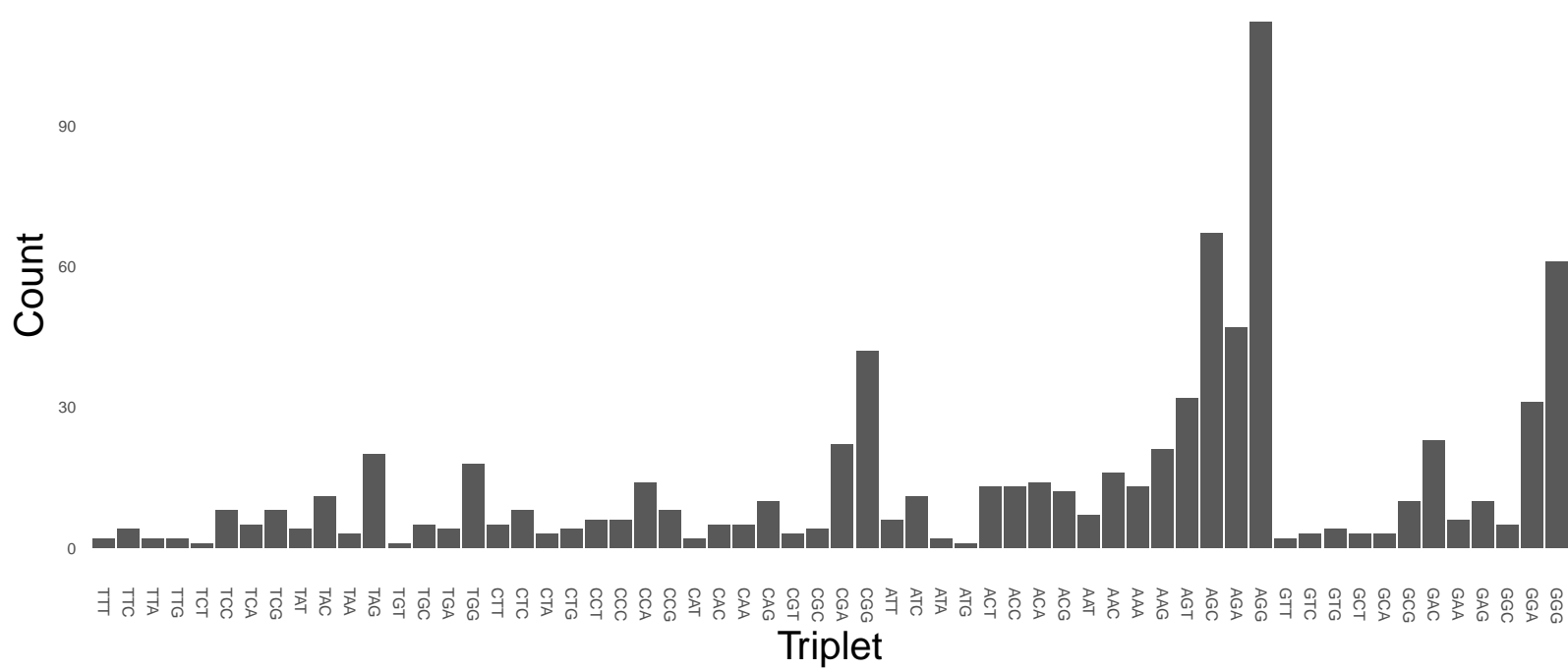
Gene TRBV7-7*ap01_C315T



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

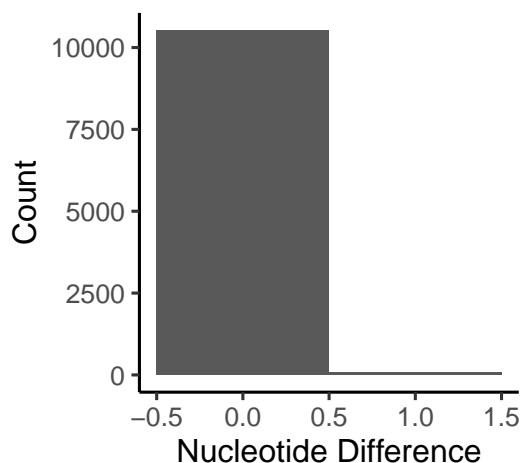


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



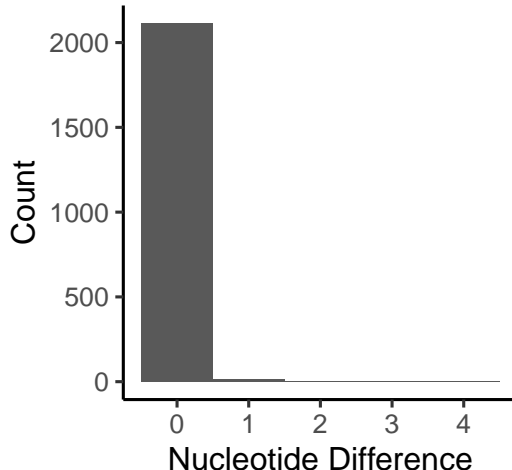
TRBV20-1*ap01

10621 sequences assigned
10531 (99.2%) exact matches, in which:
10457 unique CDR3
13 unique J



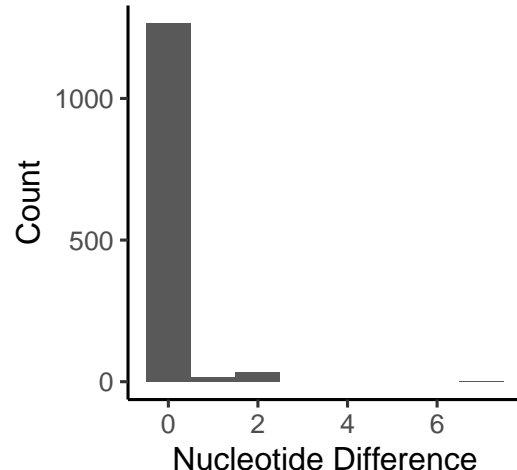
TRBV10-2*ap01

2130 sequences assigned
2113 (99.2%) exact matches, in which:
2090 unique CDR3
13 unique J



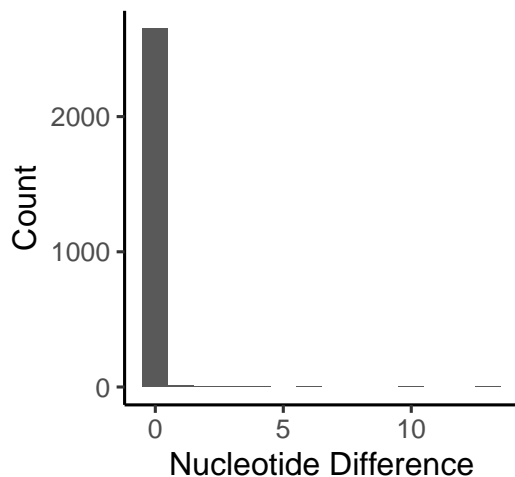
TRBV13*ap01

1317 sequences assigned
1265 (96.1%) exact matches, in which:
1237 unique CDR3
13 unique J



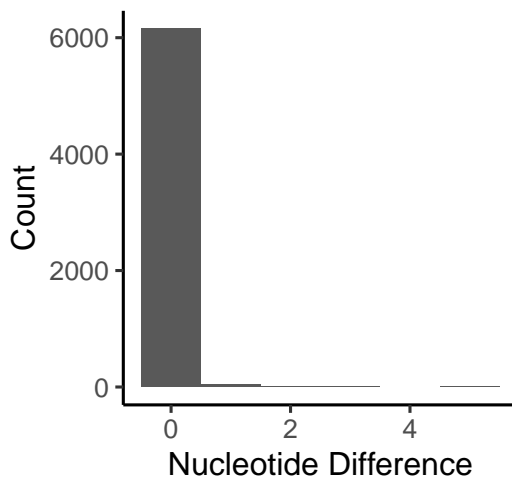
TRBV10-1*ap01

2670 sequences assigned
2650 (99.3%) exact matches, in which:
2608 unique CDR3
13 unique J



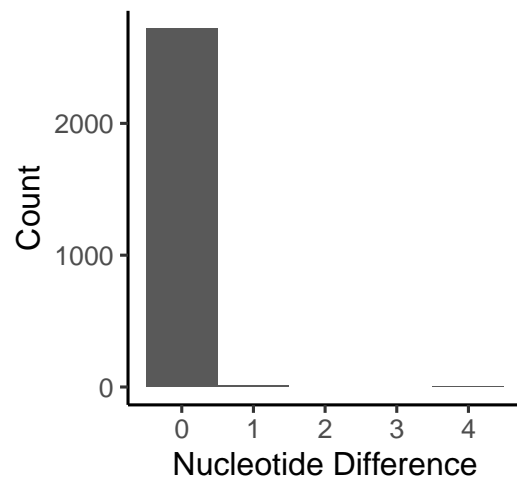
TRBV10-3*ap01

6204 sequences assigned
6154 (99.2%) exact matches, in which:
6076 unique CDR3
13 unique J



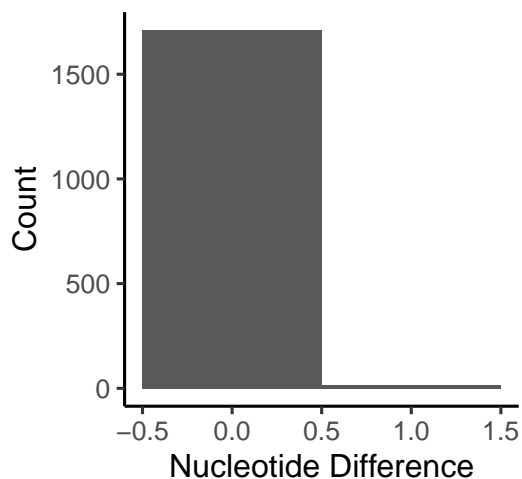
TRBV14*ap01

2734 sequences assigned
2718 (99.4%) exact matches, in which:
2699 unique CDR3
13 unique J



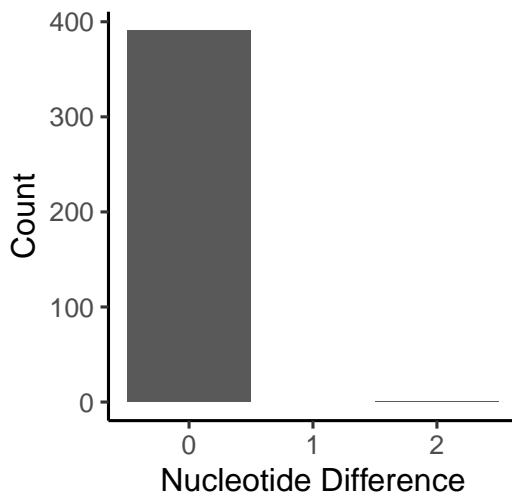
TRBV20-1*ap02

1726 sequences assigned
1711 (99.1%) exact matches, in which:
1698 unique CDR3
13 unique J



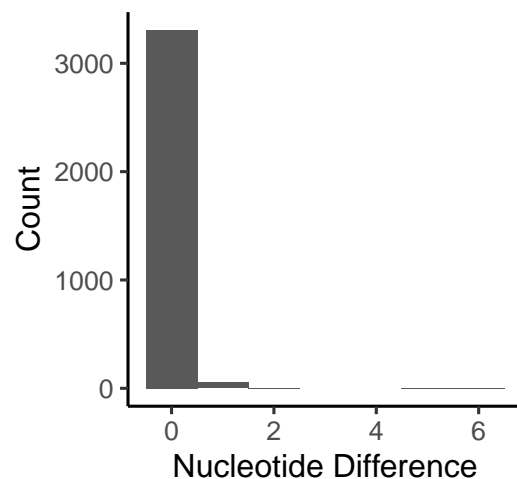
TRBV1*ap01

392 sequences assigned
391 (99.7%) exact matches, in which:
387 unique CDR3
13 unique J



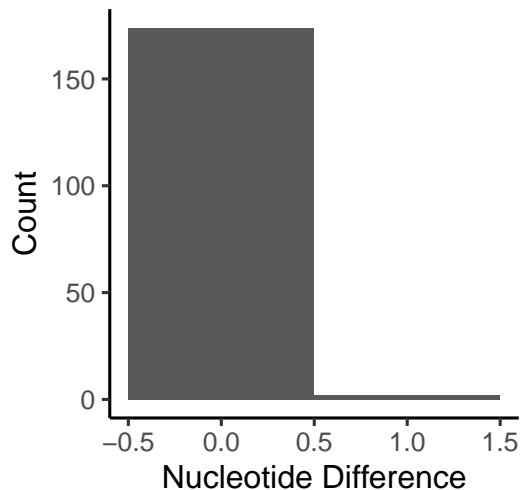
TRBV15*ap02

3364 sequences assigned
3307 (98.3%) exact matches, in which:
3265 unique CDR3
13 unique J



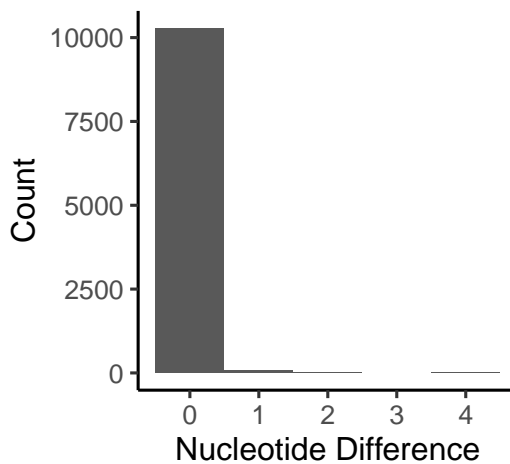
TRBV16*ap01

176 sequences assigned
174 (98.9%) exact matches, in which:
174 unique CDR3
13 unique J



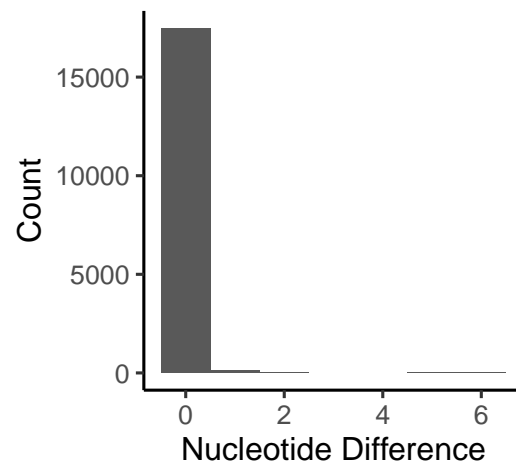
TRBV2*ap01

10366 sequences assigned
10282 (99.2%) exact matches, in which:
10172 unique CDR3
13 unique J



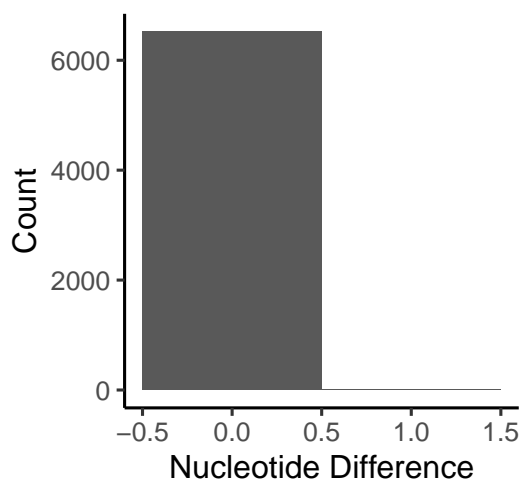
TRBV28*ap01

17594 sequences assigned
17482 (99.4%) exact matches, in which:
17356 unique CDR3
13 unique J



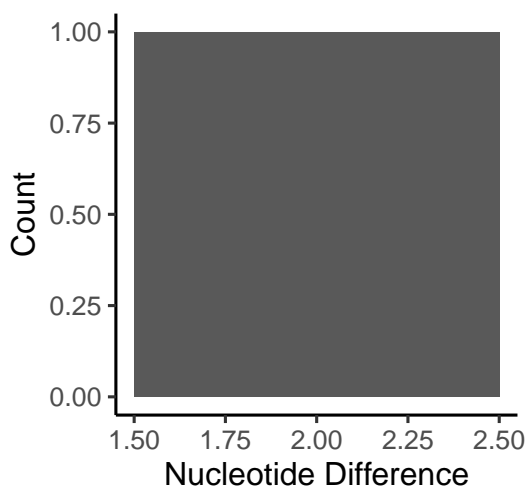
TRBV18*ap01

6537 sequences assigned
6519 (99.7%) exact matches, in which:
6489 unique CDR3
13 unique J



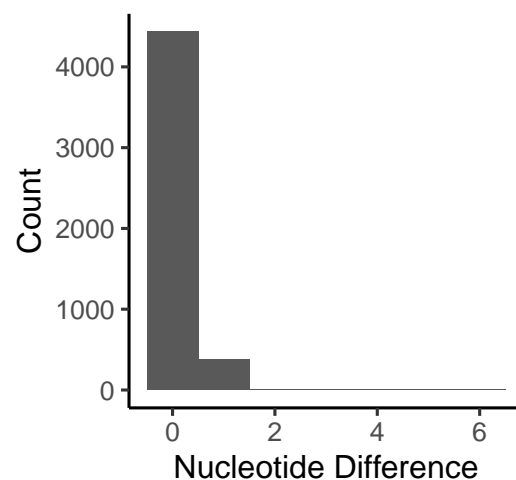
TRBV26*ap01

1 sequences assigned
No exact matches.



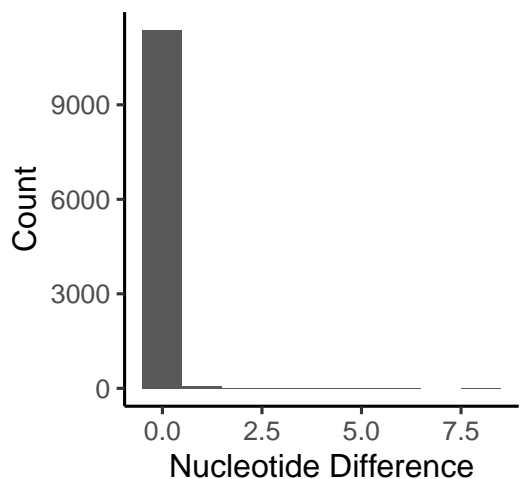
TRBV30*ap01

4817 sequences assigned
4435 (92.1%) exact matches, in which:
4365 unique CDR3
13 unique J



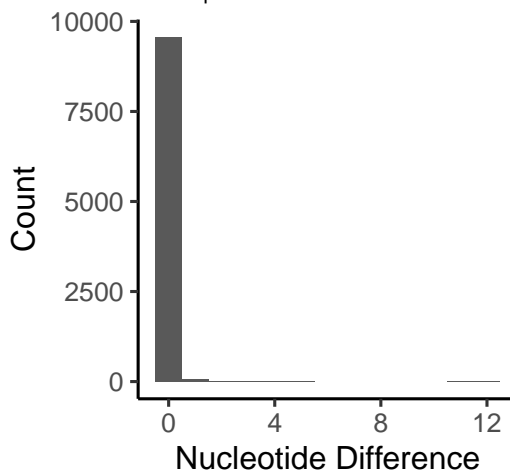
TRBV19*ap01

11460 sequences assigned
11373 (99.2%) exact matches, in which:
11328 unique CDR3
13 unique J



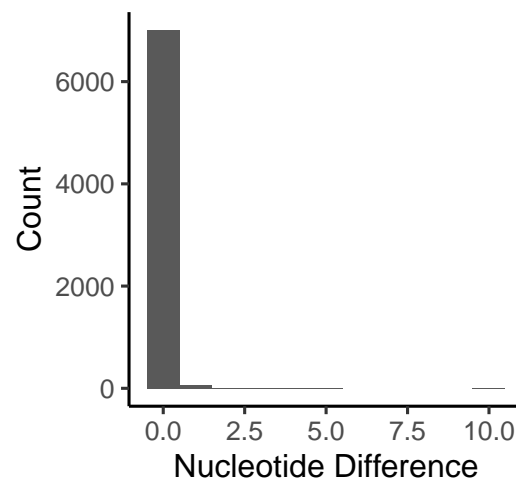
TRBV27*ap01

9656 sequences assigned
9573 (99.1%) exact matches, in which:
9480 unique CDR3
13 unique J



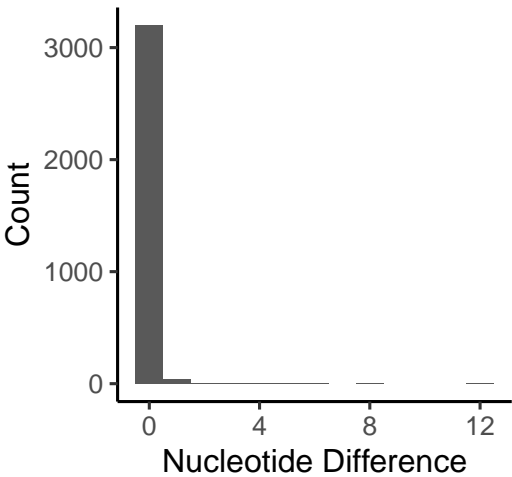
TRBV9*ap01

7084 sequences assigned
7009 (98.9%) exact matches, in which:
6948 unique CDR3
13 unique J



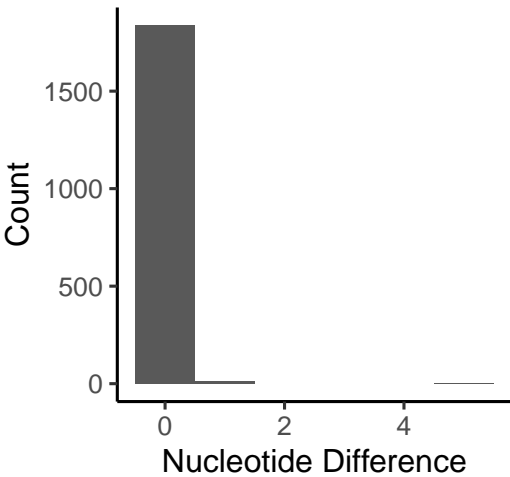
TRBV21-1*ap01

3253 sequences assigned
3198 (98.3%) exact matches, in which:
3176 unique CDR3
13 unique J



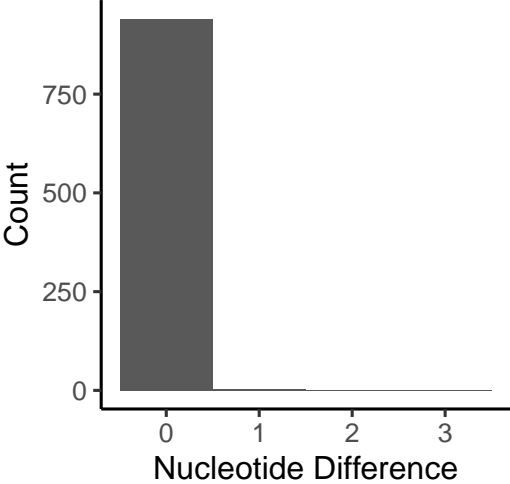
TRBV11-3*ap01

1849 sequences assigned
1837 (99.4%) exact matches, in which:
1827 unique CDR3
13 unique J



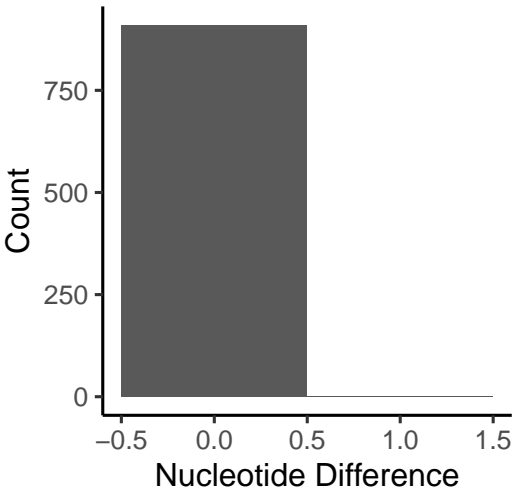
TRBV12-5*ap01

948 sequences assigned
941 (99.3%) exact matches, in which:
937 unique CDR3
13 unique J



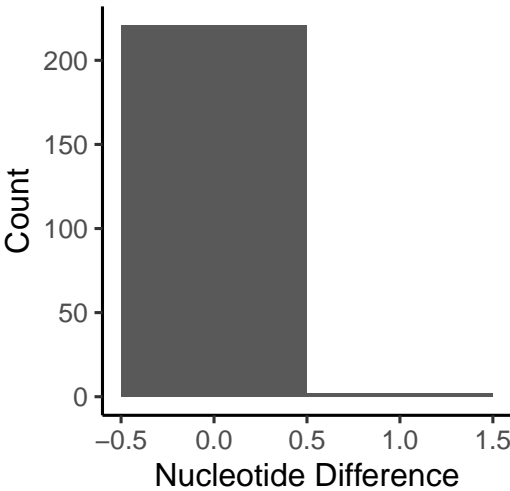
TRBV11-1*ap01

912 sequences assigned
910 (99.8%) exact matches, in which:
904 unique CDR3
13 unique J



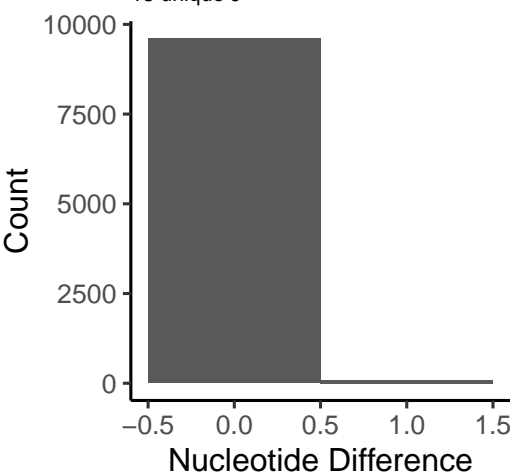
TRBV12-1*ap01

223 sequences assigned
221 (99.1%) exact matches, in which:
218 unique CDR3
13 unique J



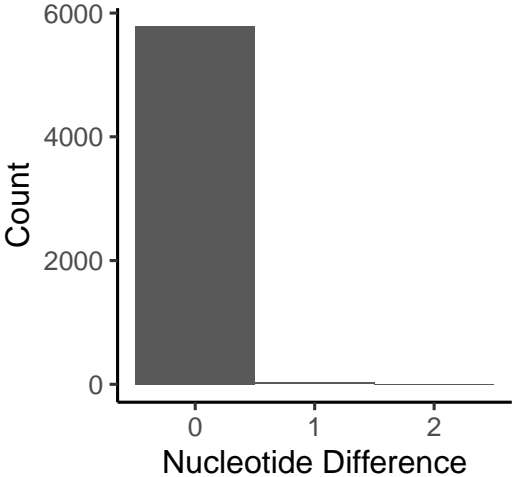
TRBV12-34*ap01

9701 sequences assigned
9607 (99%) exact matches, in which:
9506 unique CDR3
13 unique J



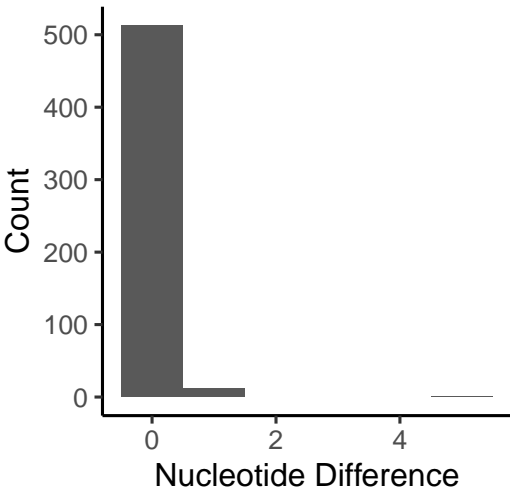
TRBV11-2*ap01

5819 sequences assigned
5790 (99.5%) exact matches, in which:
5741 unique CDR3
13 unique J



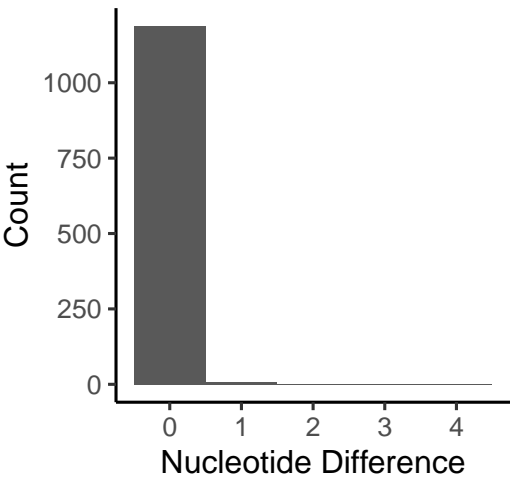
TRBV12-2*ap01

526 sequences assigned
513 (97.5%) exact matches, in which:
506 unique CDR3
13 unique J



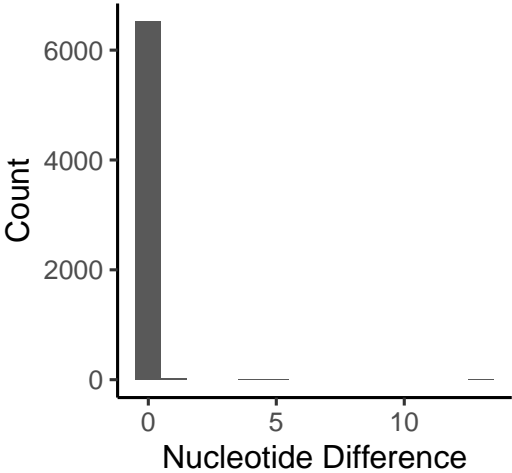
TRBV23-1*ap01

1201 sequences assigned
1188 (98.9%) exact matches, in which:
1171 unique CDR3
13 unique J



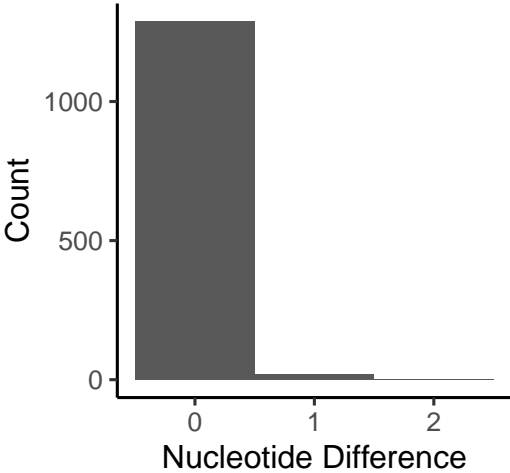
TRBV3-12*ap01

6560 sequences assigned
6523 (99.4%) exact matches, in which:
6487 unique CDR3
13 unique J



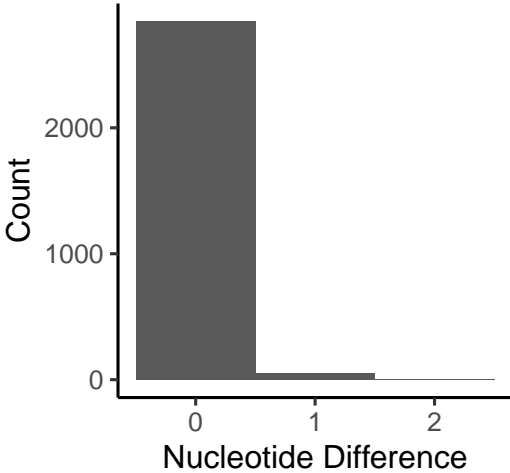
TRBV4-2*ap01

1309 sequences assigned
1288 (98.4%) exact matches, in which:
1276 unique CDR3
13 unique J



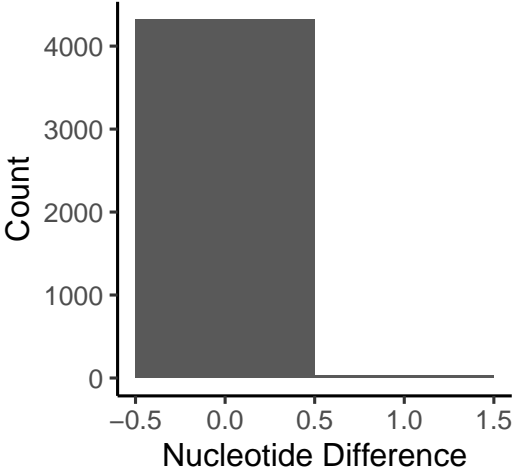
TRBV25-1*ap01

2898 sequences assigned
2845 (98.2%) exact matches, in which:
2794 unique CDR3
13 unique J



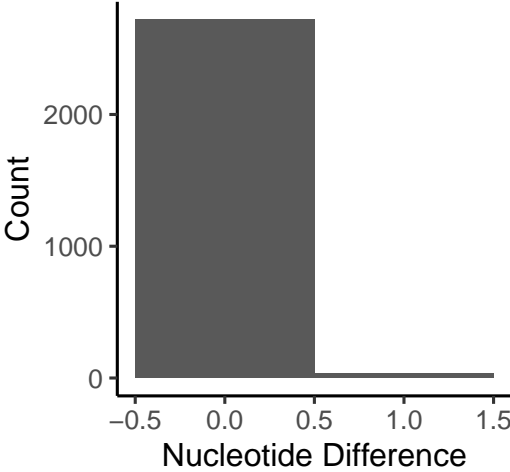
TRBV4-1*ap01

4350 sequences assigned
4318 (99.3%) exact matches, in which:
4266 unique CDR3
13 unique J



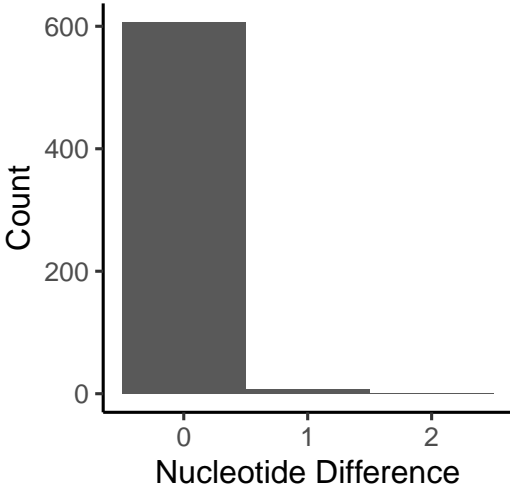
TRBV4-3*ap01

2752 sequences assigned
2719 (98.8%) exact matches, in which:
2688 unique CDR3
13 unique J



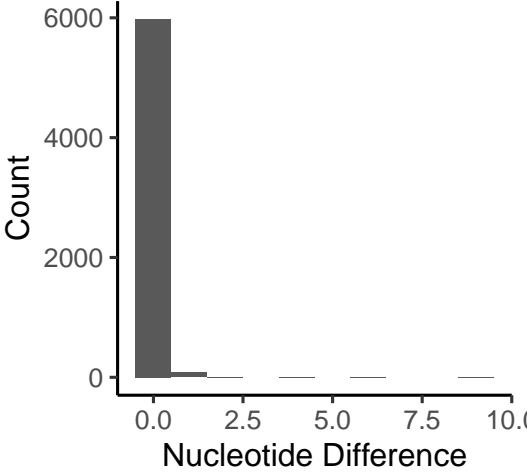
TRBV5-3*ap01

616 sequences assigned
607 (98.5%) exact matches, in which:
600 unique CDR3
13 unique J



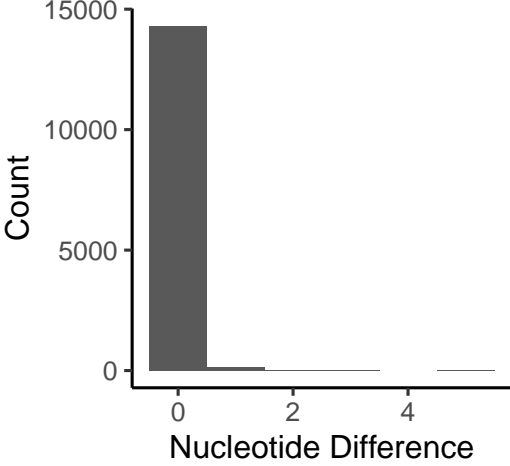
TRBV24-1*ap01

6066 sequences assigned
5979 (98.6%) exact matches, in which:
5884 unique CDR3
13 unique J



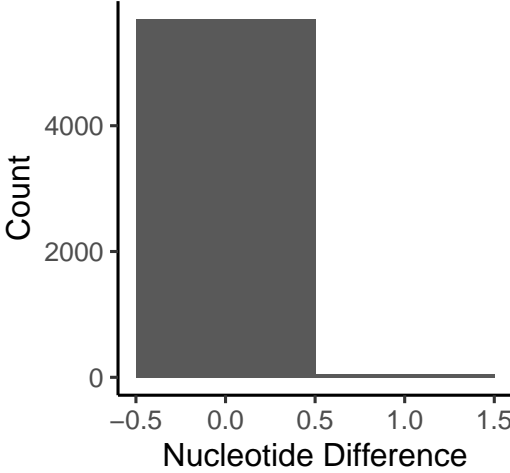
TRBV5-1*ap01

14463 sequences assigned
14311 (98.9%) exact matches, in which:
14143 unique CDR3
13 unique J



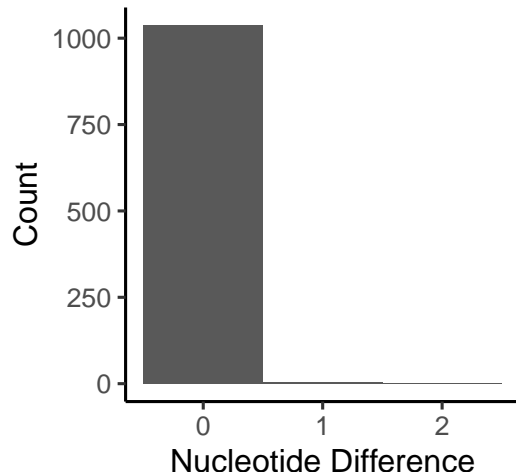
TRBV5-4*ap01

5747 sequences assigned
5696 (99.1%) exact matches, in which:
5641 unique CDR3
13 unique J



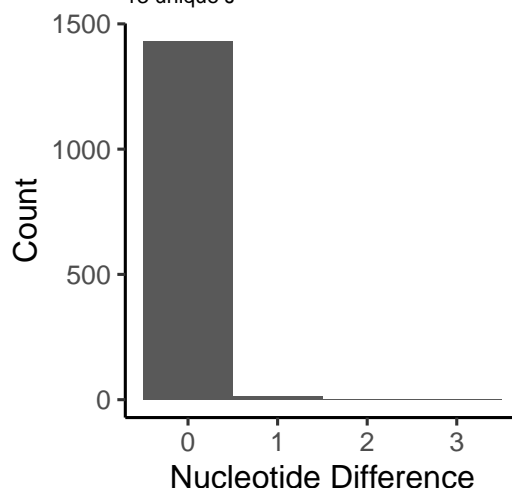
TRBV5-5*ap01

1043 sequences assigned
1037 (99.4%) exact matches, in which:
1033 unique CDR3
13 unique J



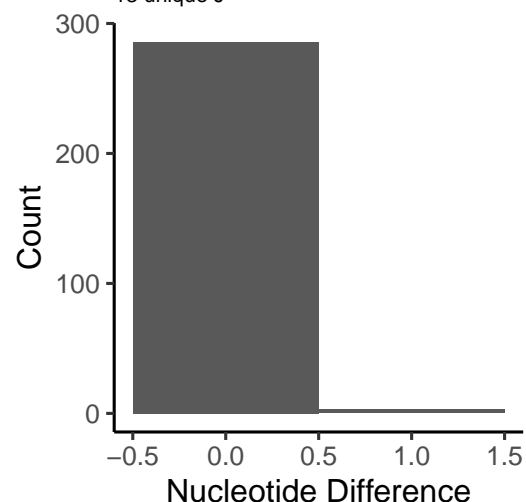
TRBV5-8*ap01

1451 sequences assigned
1430 (98.6%) exact matches, in which:
1419 unique CDR3
13 unique J



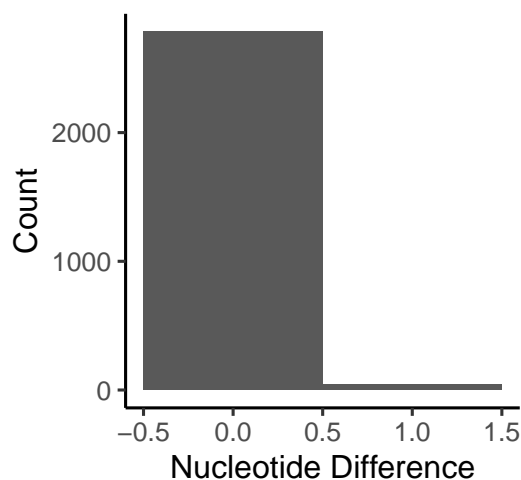
TRBV6-7*ap01

289 sequences assigned
286 (99%) exact matches, in which:
281 unique CDR3
13 unique J



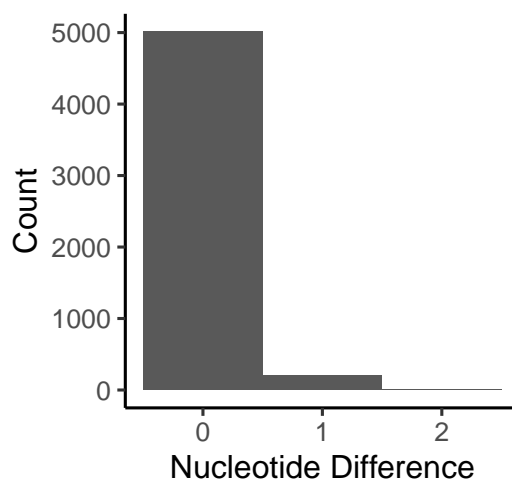
TRBV5-6*ap01

2826 sequences assigned
2784 (98.5%) exact matches, in which:
2718 unique CDR3
13 unique J



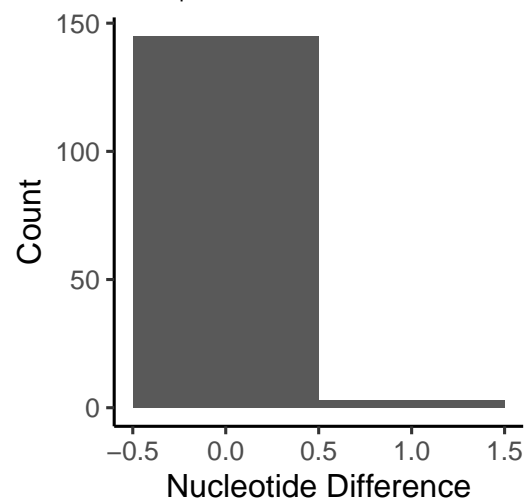
TRBV6-1*ap01

5213 sequences assigned
5012 (96.1%) exact matches, in which:
4903 unique CDR3
13 unique J



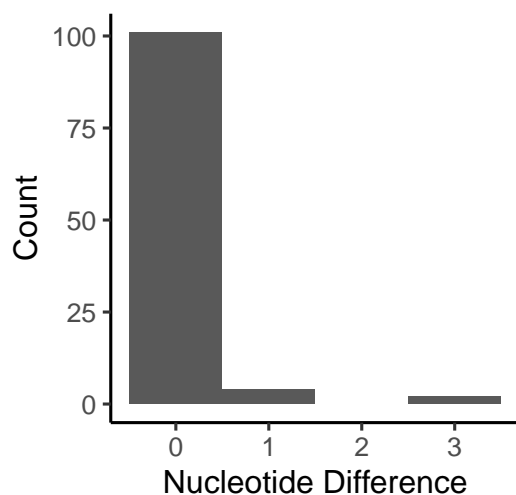
TRBV6-8*ap01

148 sequences assigned
145 (98%) exact matches, in which:
142 unique CDR3
12 unique J



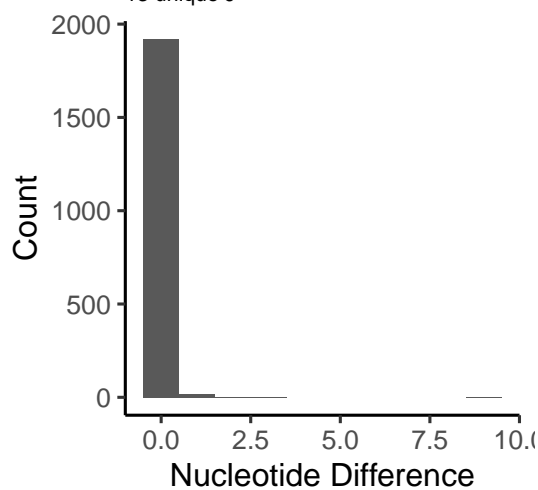
TRBV5-7*ap01

107 sequences assigned
101 (94.4%) exact matches, in which:
99 unique CDR3
13 unique J



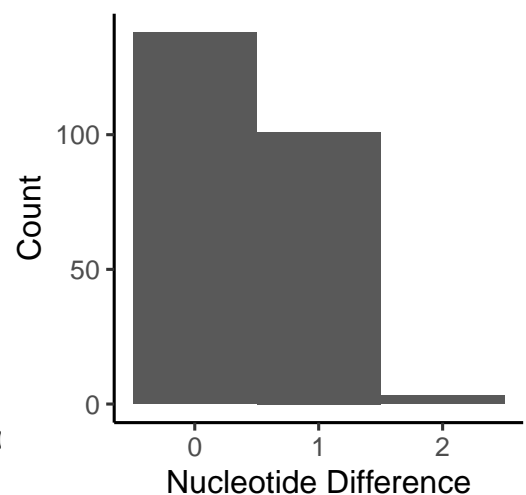
TRBV6-4*ap01

1942 sequences assigned
1920 (98.9%) exact matches, in which:
1905 unique CDR3
13 unique J



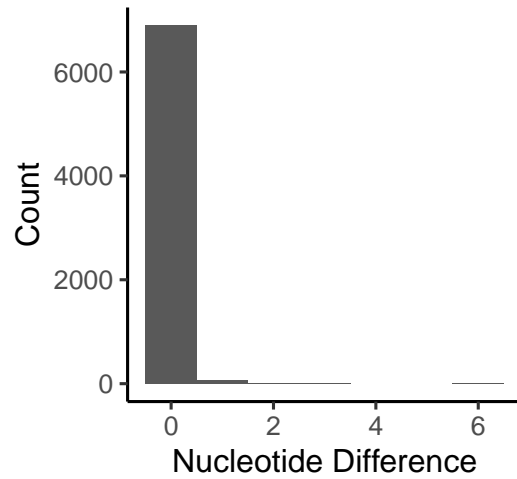
TRBV6-9*ap01

242 sequences assigned
138 (57%) exact matches, in which:
136 unique CDR3
12 unique J



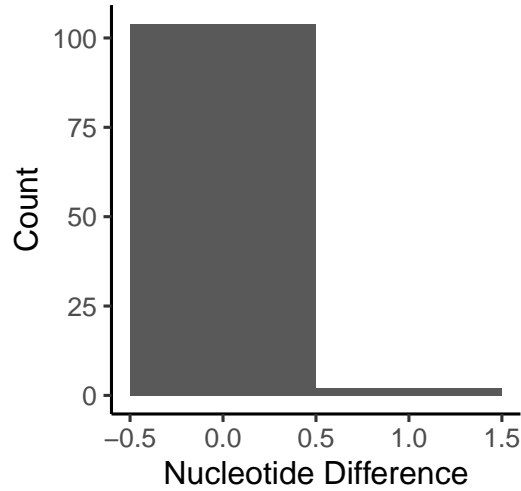
TRBV6-23*ap01

6972 sequences assigned
6896 (98.9%) exact matches, in which:
6741 unique CDR3
13 unique J



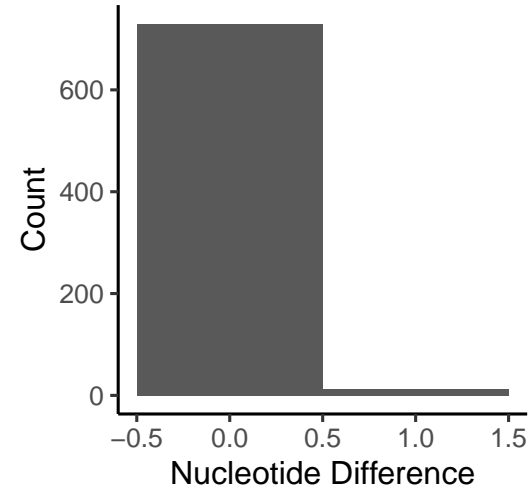
TRBV7-1*ap01_G291C_

106 sequences assigned
104 (98.1%) exact matches, in which:
104 unique CDR3
13 unique J



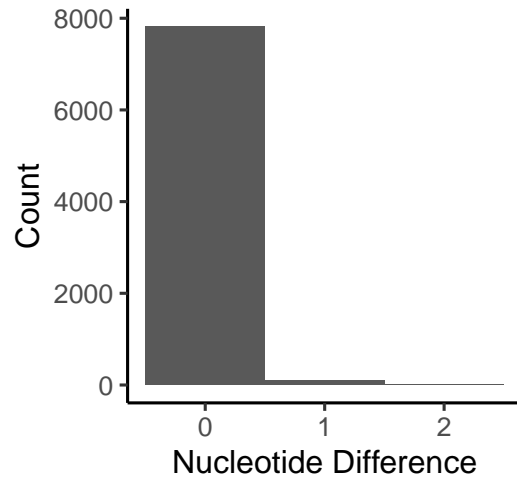
TRBV7-3*ap02

742 sequences assigned
730 (98.4%) exact matches, in which:
724 unique CDR3
13 unique J



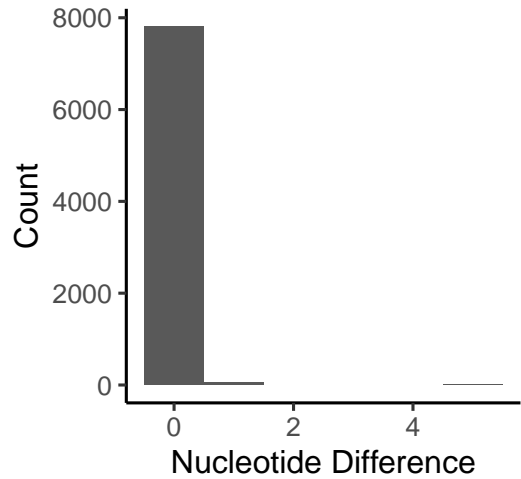
TRBV6-56*ap01

7908 sequences assigned
7815 (98.8%) exact matches, in which:
7652 unique CDR3
13 unique J



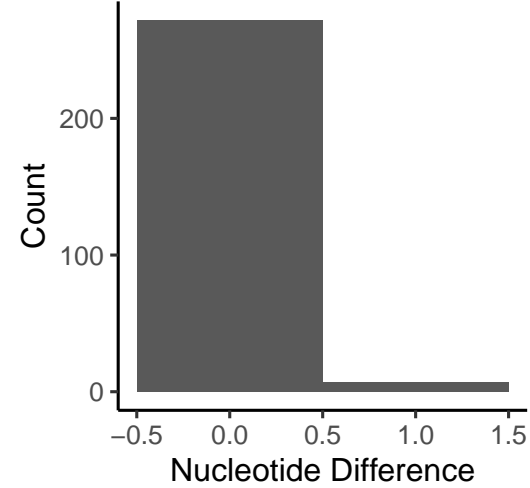
TRBV7-2*ap01

7851 sequences assigned
7804 (99.4%) exact matches, in which:
7734 unique CDR3
13 unique J



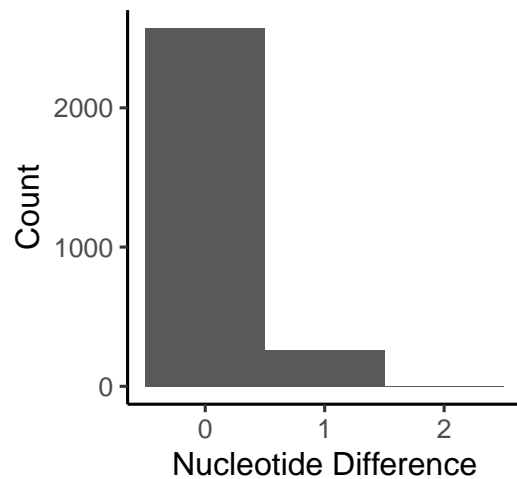
TRBV7-4*ap01

279 sequences assigned
272 (97.5%) exact matches, in which:
269 unique CDR3
13 unique J



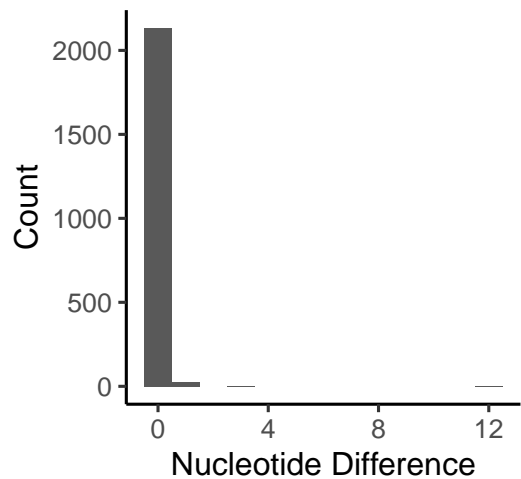
TRBV6-56*ap02

2835 sequences assigned
2573 (90.8%) exact matches, in which:
2529 unique CDR3
13 unique J



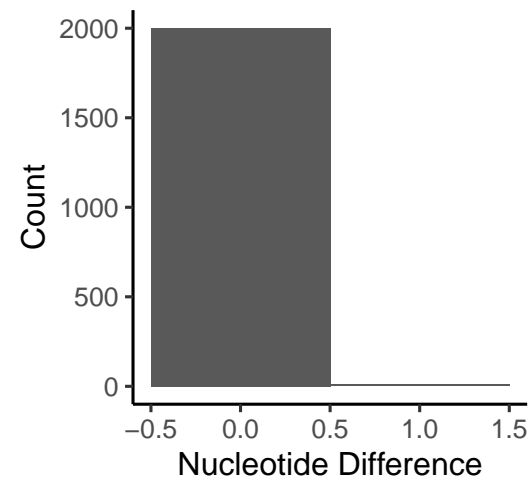
TRBV7-3*ap01

2161 sequences assigned
2133 (98.7%) exact matches, in which:
2115 unique CDR3
13 unique J



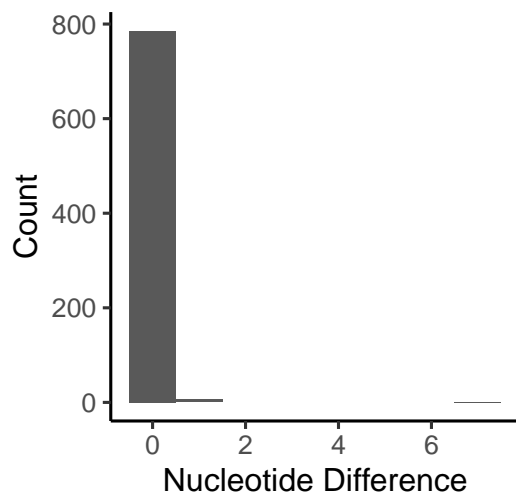
TRBV7-6*ap01

2011 sequences assigned
2001 (99.5%) exact matches, in which:
1980 unique CDR3
13 unique J



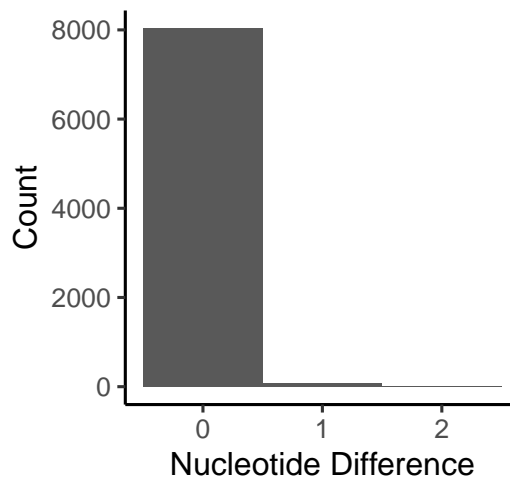
TRBV7-7*ap01_C315T

793 sequences assigned
786 (99.1%) exact matches, in which:
780 unique CDR3
13 unique J



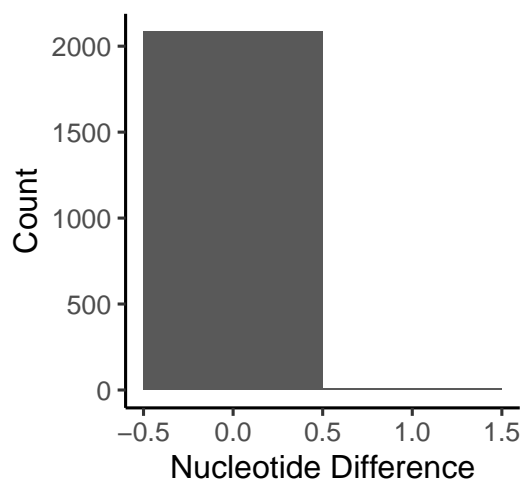
TRBV7-9*ap01

8112 sequences assigned
8033 (99%) exact matches, in which:
7963 unique CDR3
13 unique J



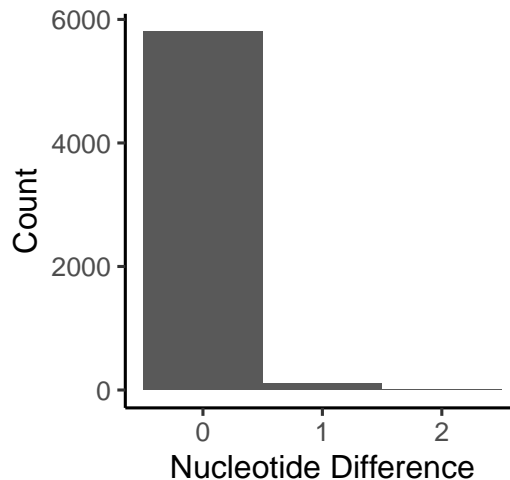
TRBV7-8*ap01

2095 sequences assigned
2084 (99.5%) exact matches, in which:
2071 unique CDR3
13 unique J



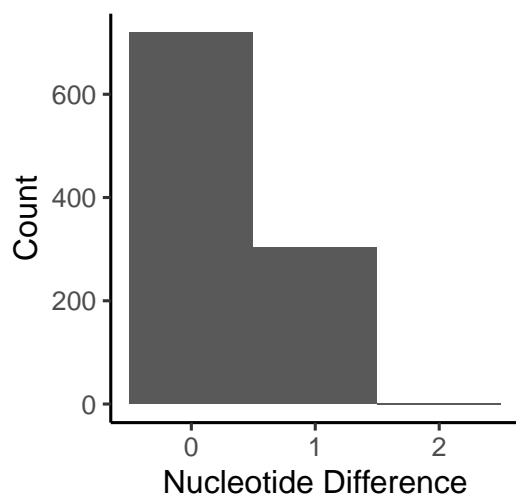
TRBV29-1*ap01

5908 sequences assigned
5801 (98.2%) exact matches, in which:
5687 unique CDR3
14 unique J



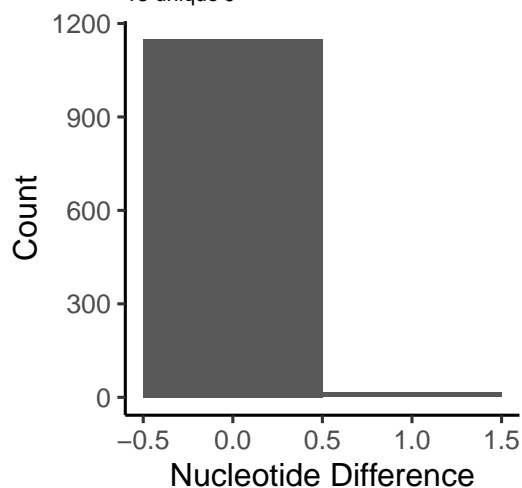
TRBV7-8*ap03

1026 sequences assigned
720 (70.2%) exact matches, in which:
718 unique CDR3
13 unique J

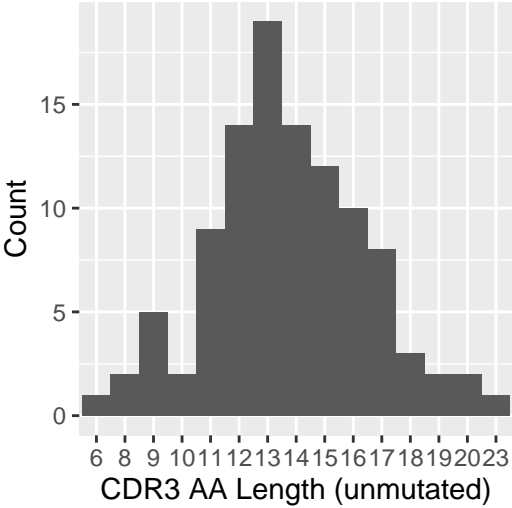


TRBV29-1*ap02

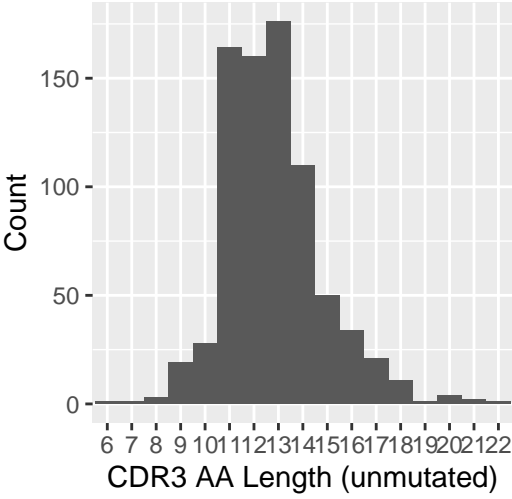
1165 sequences assigned
1150 (98.7%) exact matches, in which:
1124 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]