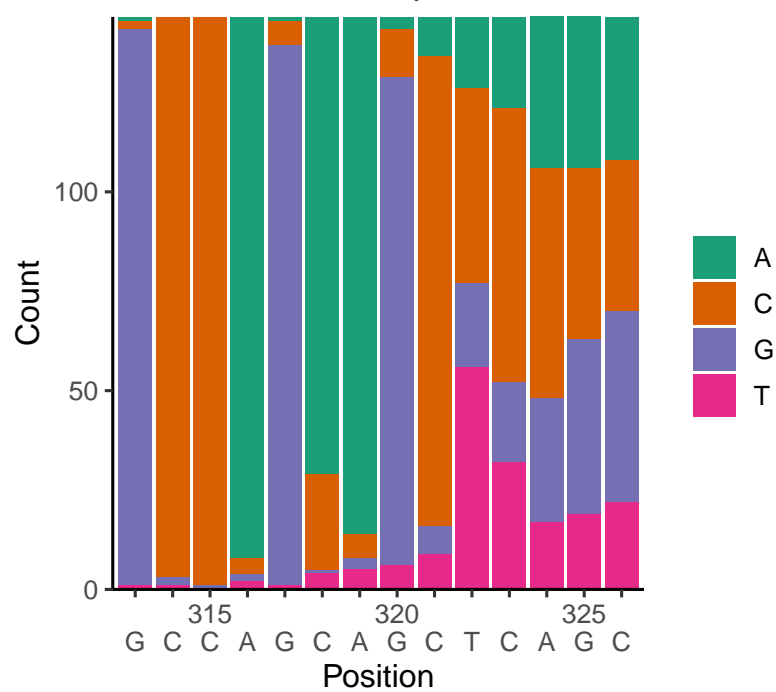
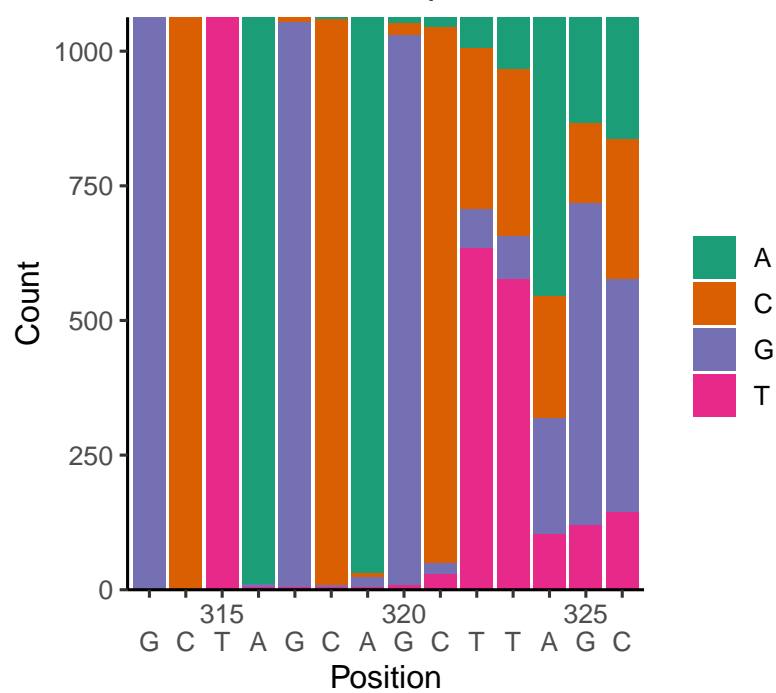


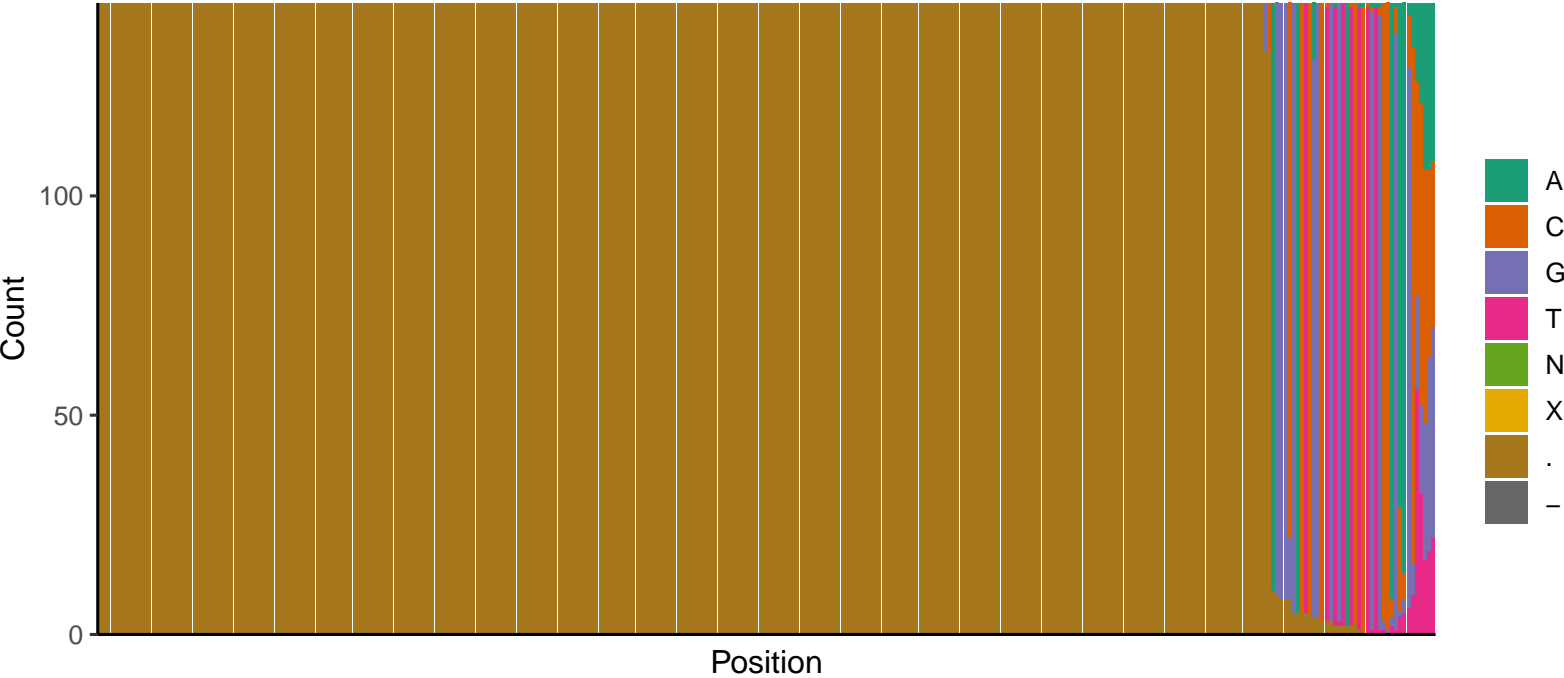
Gene TRBV7-1*ap01_T296C



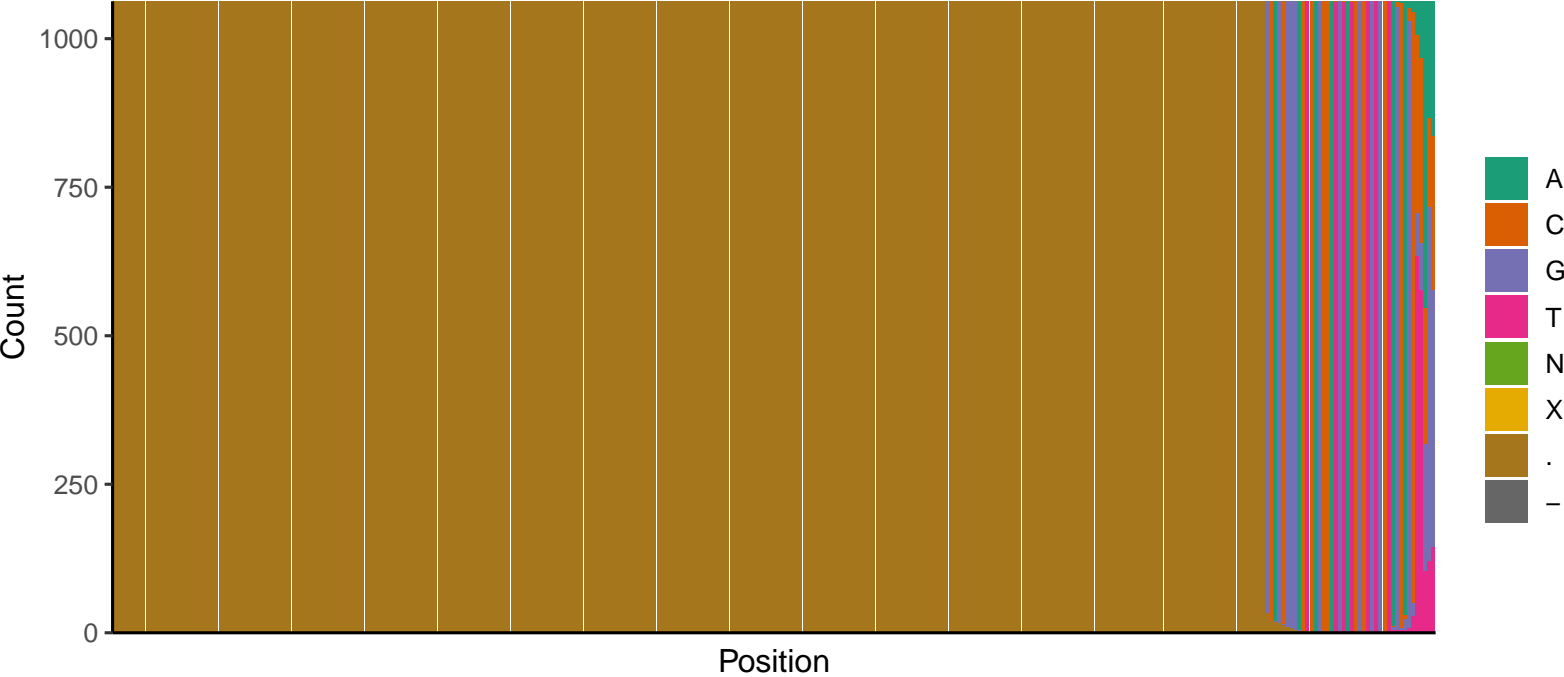
Gene TRBV7-7*ap01_C315T



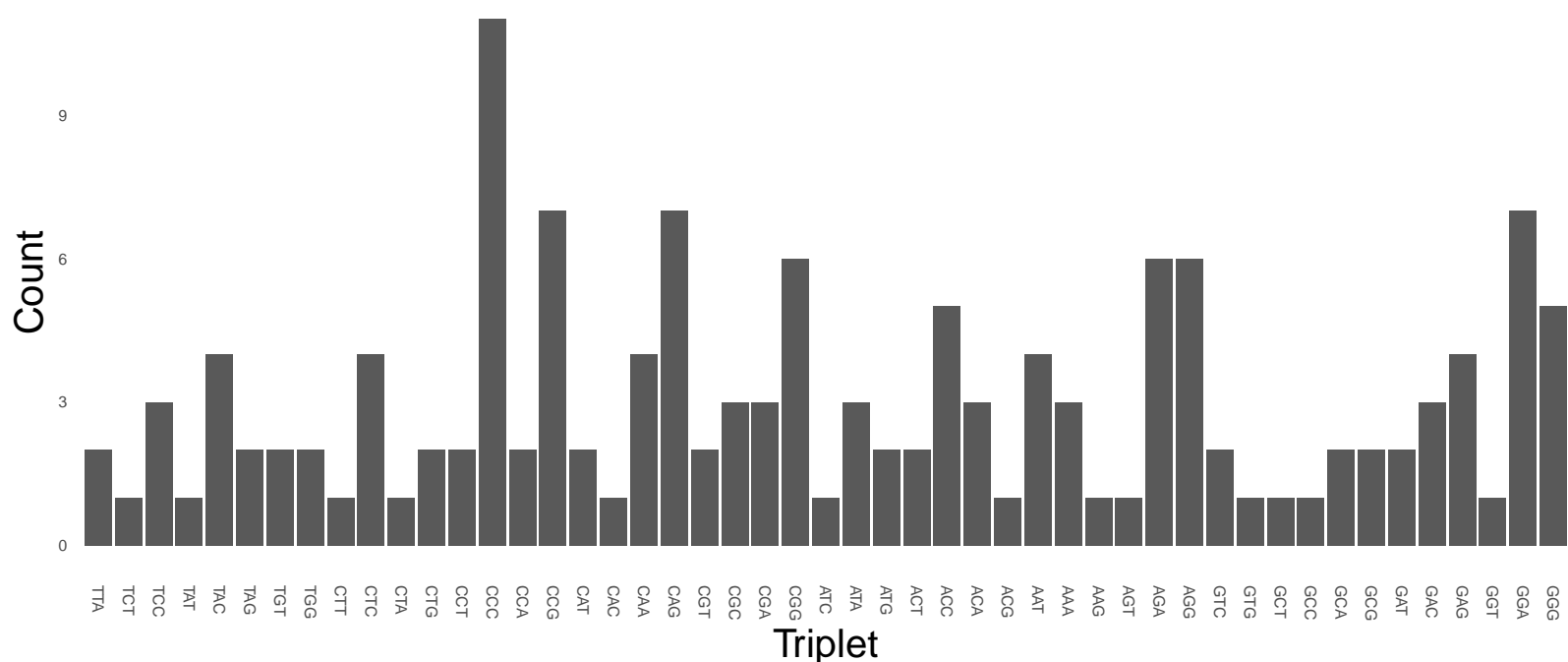
Gene TRBV7-1*ap01_T296C



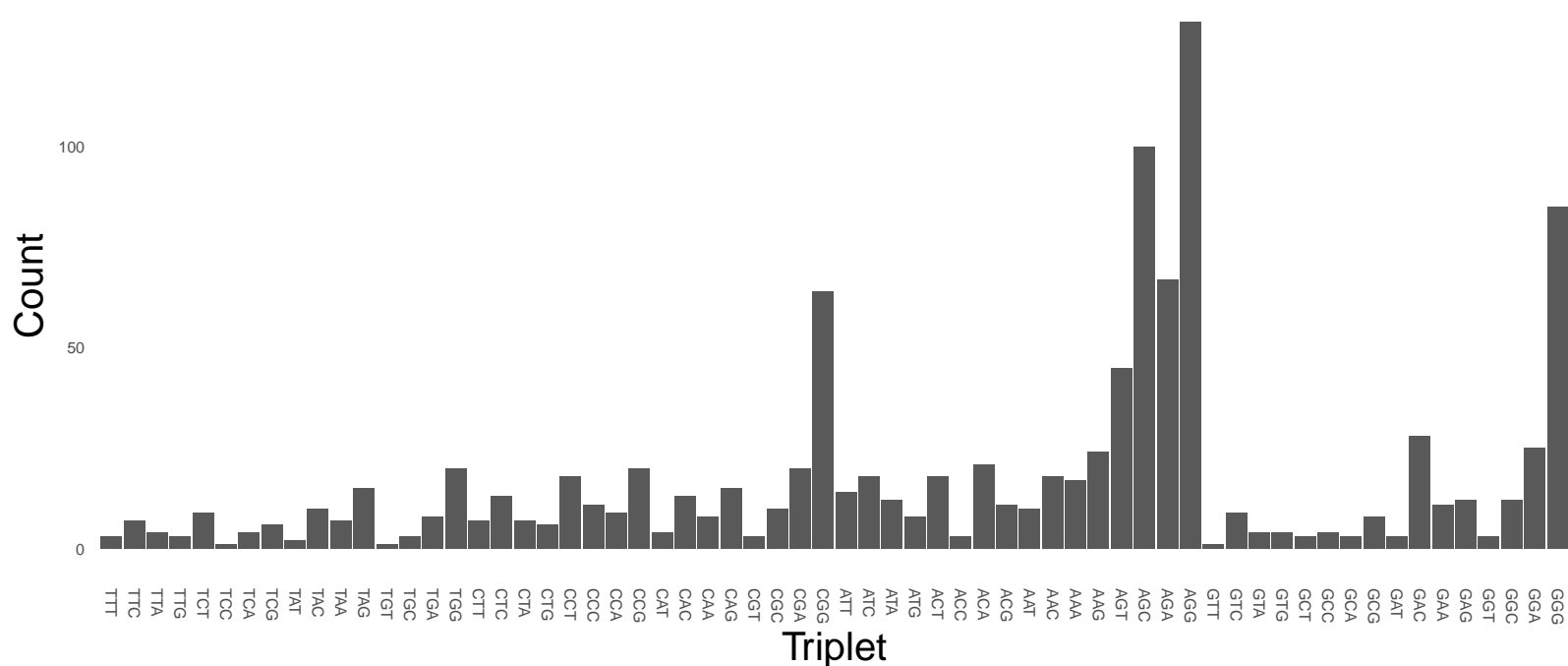
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

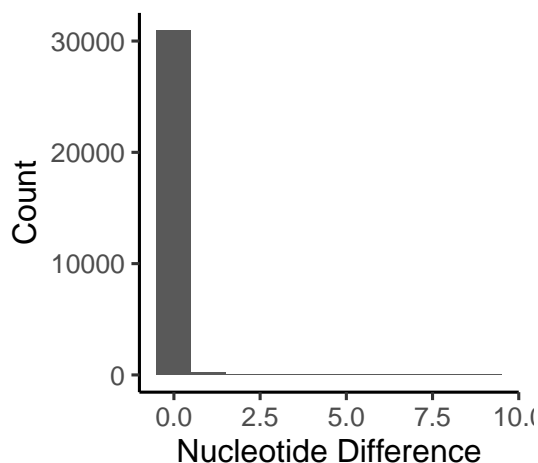


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



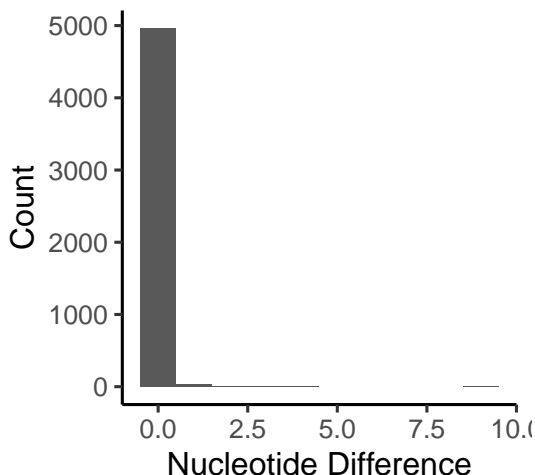
TRBV20-1*ap01

31218 sequences assigned
30978 (99.2%) exact matches, in which:
30819 unique CDR3
14 unique J



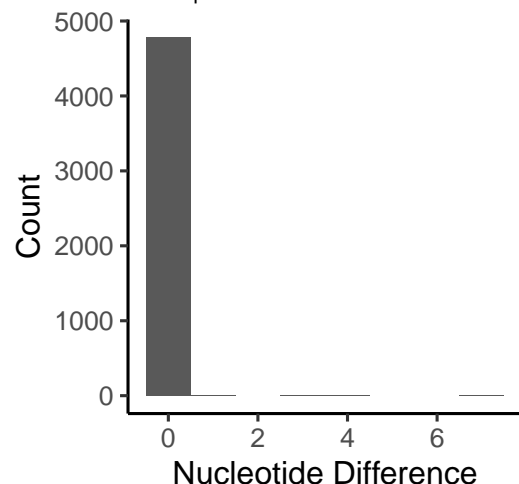
TRBV10-3*ap01

5012 sequences assigned
4961 (99%) exact matches, in which:
4910 unique CDR3
14 unique J



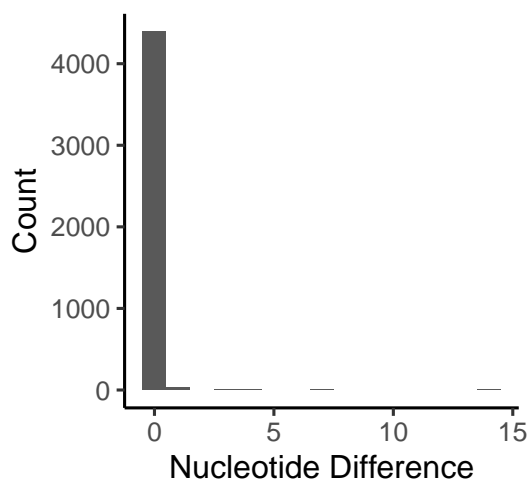
TRBV14*ap01

4798 sequences assigned
4781 (99.6%) exact matches, in which:
4755 unique CDR3
14 unique J



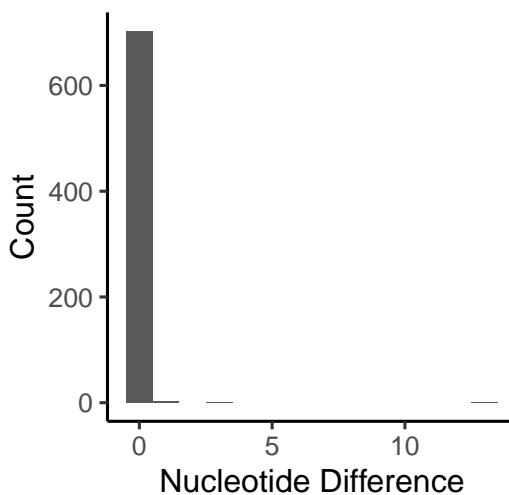
TRBV10-1*ap01

4428 sequences assigned
4392 (99.2%) exact matches, in which:
4351 unique CDR3
14 unique J



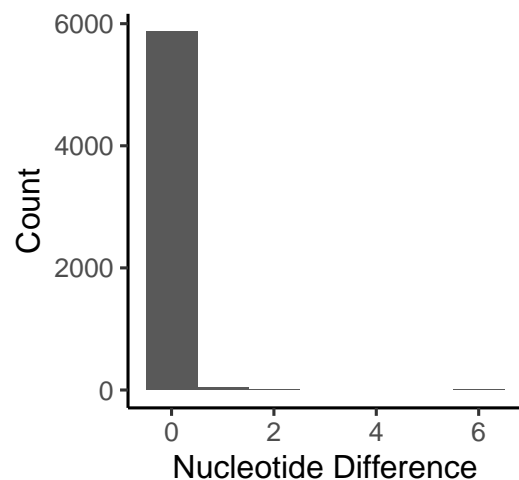
TRBV1*ap01

708 sequences assigned
703 (99.3%) exact matches, in which:
691 unique CDR3
14 unique J



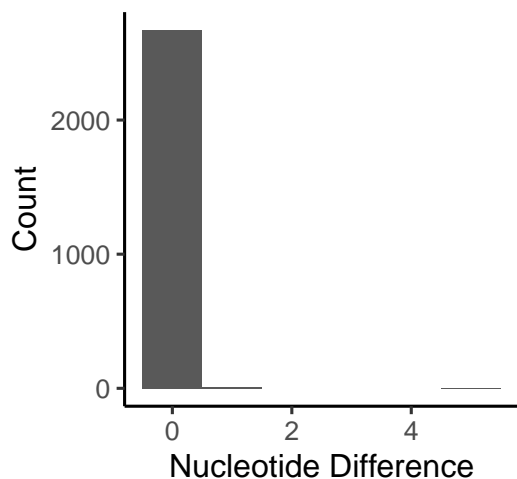
TRBV15*ap02

5910 sequences assigned
5868 (99.3%) exact matches, in which:
5810 unique CDR3
14 unique J



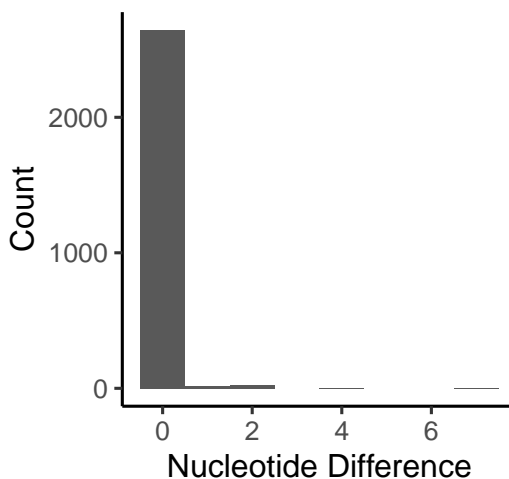
TRBV10-2*ap01

2683 sequences assigned
2671 (99.6%) exact matches, in which:
2647 unique CDR3
14 unique J



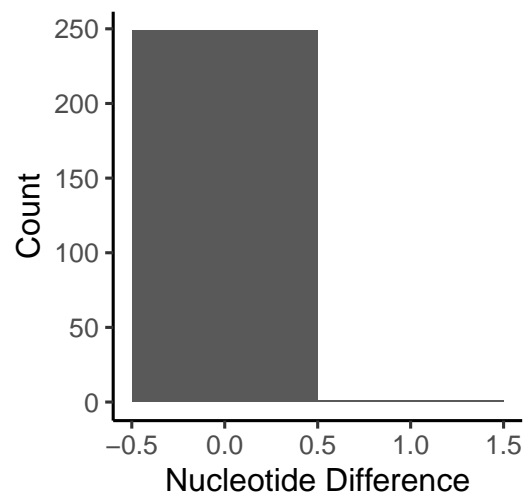
TRBV13*ap01

2693 sequences assigned
2644 (98.2%) exact matches, in which:
2612 unique CDR3
14 unique J



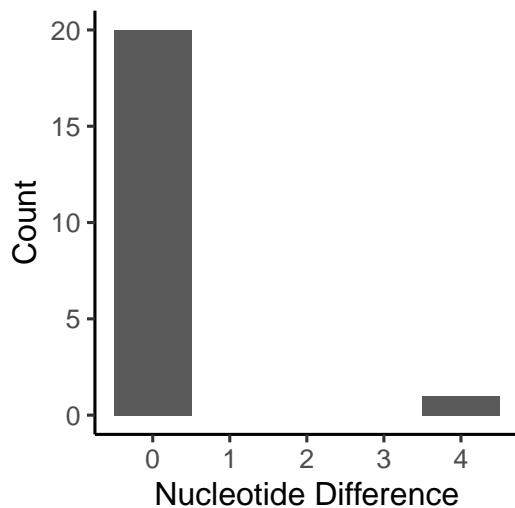
TRBV16*ap01

250 sequences assigned
249 (99.6%) exact matches, in which:
249 unique CDR3
14 unique J



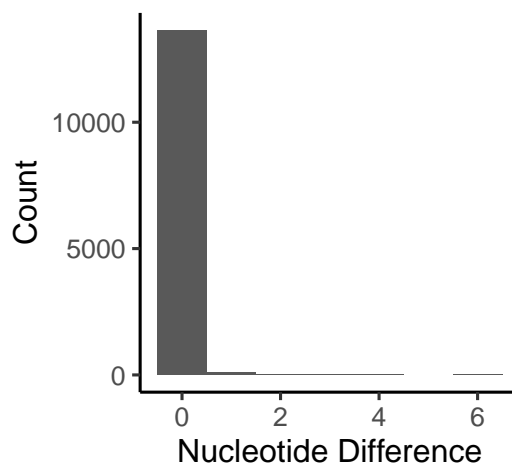
TRBV17*ap01

21 sequences assigned
20 (95.2%) exact matches, in which:
20 unique CDR3
12 unique J



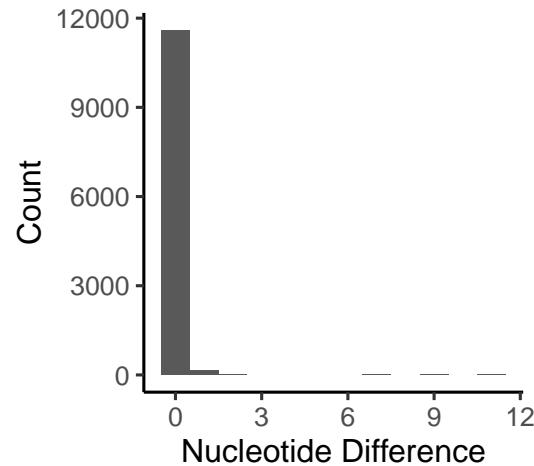
TRBV2*ap01

13765 sequences assigned
13644 (99.1%) exact matches, in which:
13465 unique CDR3
14 unique J



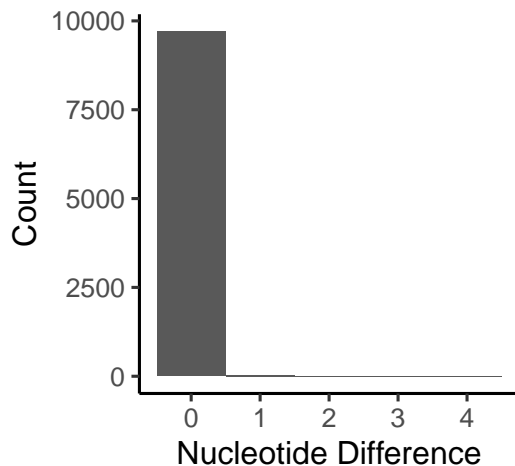
TRBV30*ap02

11747 sequences assigned
11597 (98.7%) exact matches, in which:
11392 unique CDR3
14 unique J



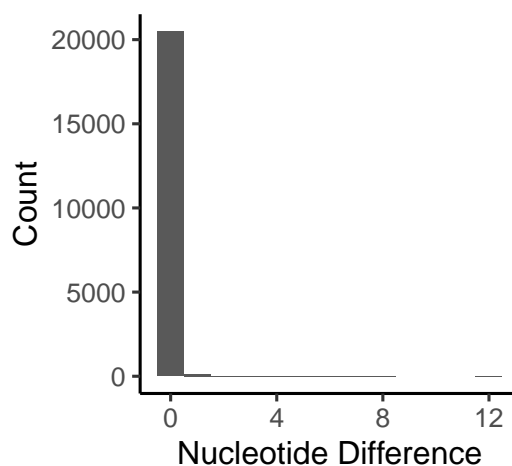
TRBV18*ap01

9738 sequences assigned
9702 (99.6%) exact matches, in which:
9672 unique CDR3
14 unique J



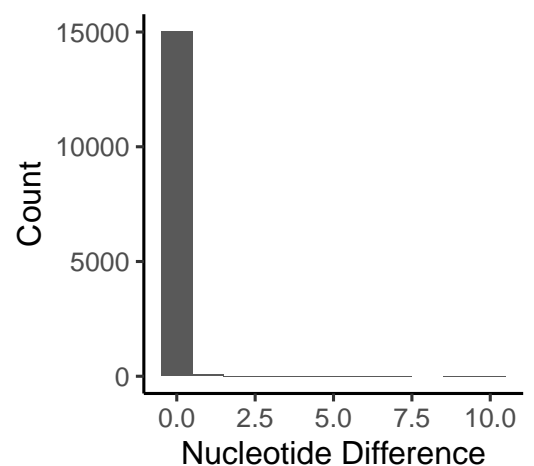
TRBV27*ap01

20645 sequences assigned
20485 (99.2%) exact matches, in which:
20245 unique CDR3
14 unique J



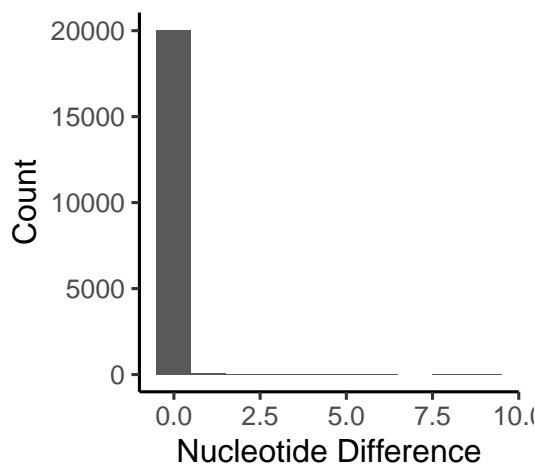
TRBV9*ap01

15111 sequences assigned
15023 (99.4%) exact matches, in which:
14938 unique CDR3
14 unique J



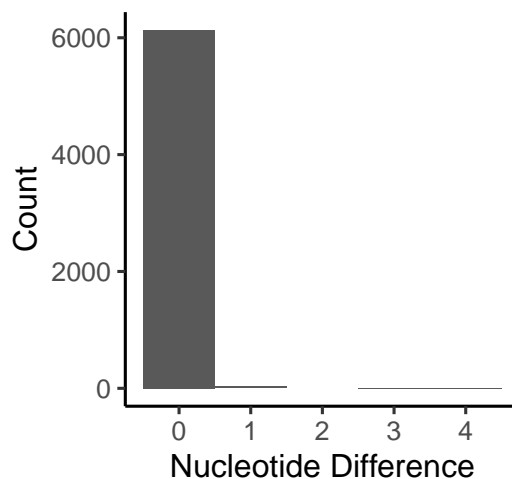
TRBV19*ap01

20168 sequences assigned
20050 (99.4%) exact matches, in which:
20004 unique CDR3
14 unique J



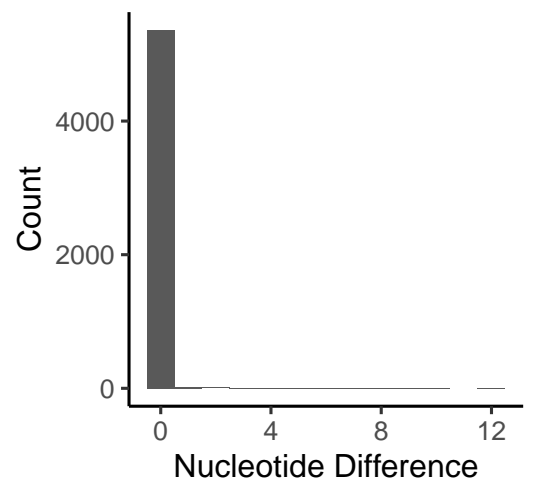
TRBV28*ap01

6167 sequences assigned
6132 (99.4%) exact matches, in which:
6099 unique CDR3
14 unique J



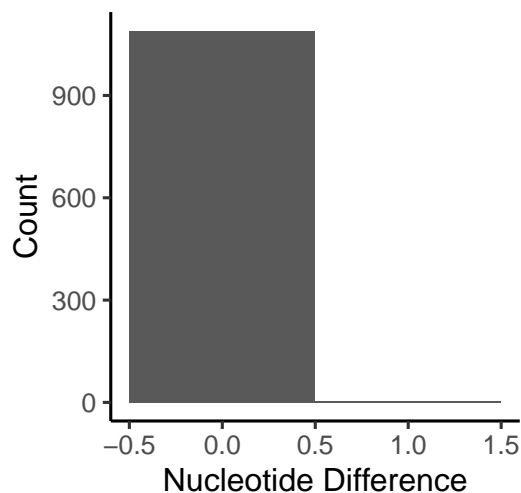
TRBV21-1*ap01

5424 sequences assigned
5362 (98.9%) exact matches, in which:
5344 unique CDR3
14 unique J



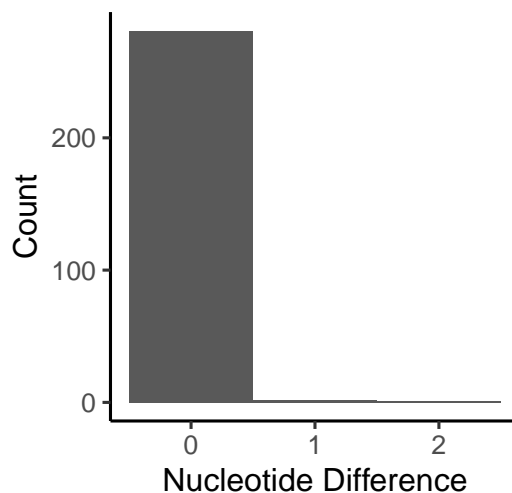
TRBV11-1*ap01

1094 sequences assigned
1090 (99.6%) exact matches, in which:
1087 unique CDR3
13 unique J



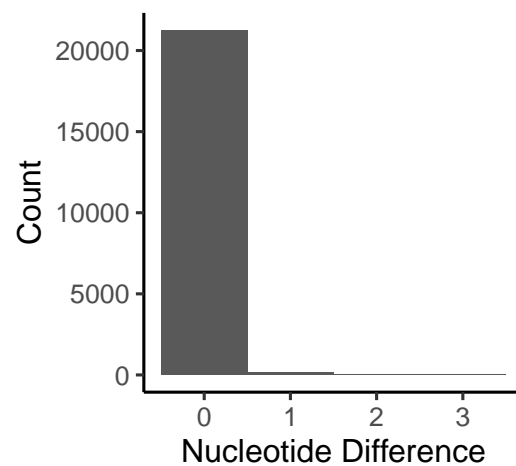
TRBV12-1*ap01

284 sequences assigned
281 (98.9%) exact matches, in which:
277 unique CDR3
14 unique J



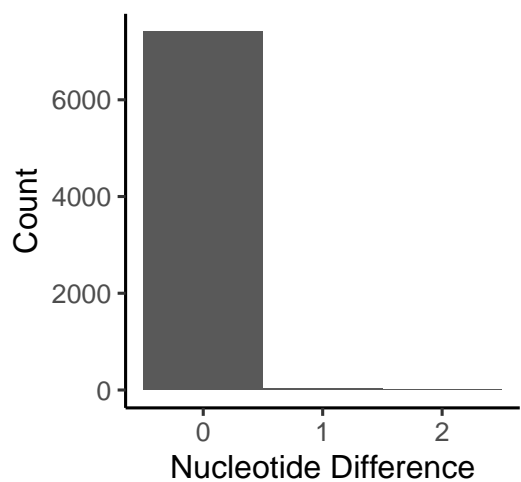
TRBV12-34*ap01

21413 sequences assigned
21257 (99.3%) exact matches, in which:
21112 unique CDR3
14 unique J



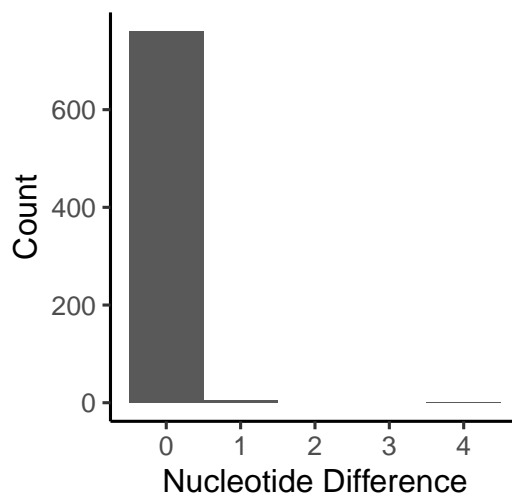
TRBV11-2*ap01

7443 sequences assigned
7407 (99.5%) exact matches, in which:
7374 unique CDR3
14 unique J



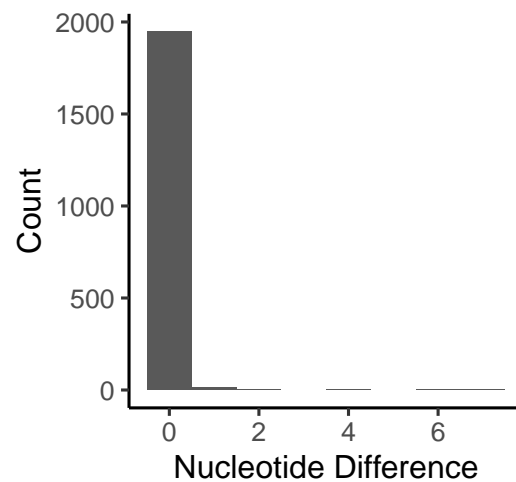
TRBV12-2*ap01

767 sequences assigned
761 (99.2%) exact matches, in which:
760 unique CDR3
14 unique J



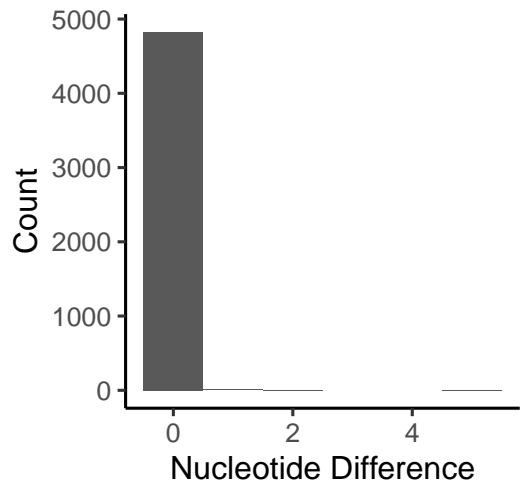
TRBV23-1*ap01

1968 sequences assigned
1947 (98.9%) exact matches, in which:
1933 unique CDR3
14 unique J



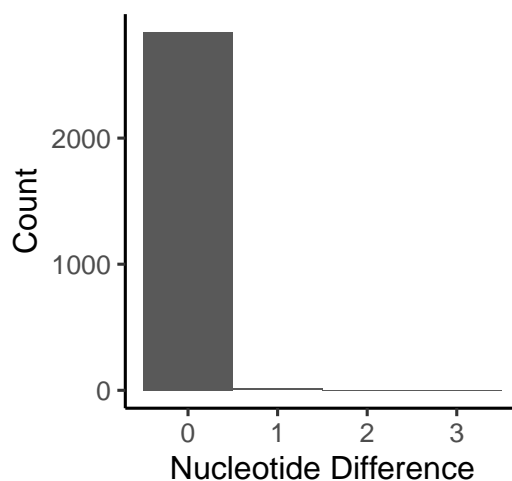
TRBV11-3*ap01

4842 sequences assigned
4825 (99.6%) exact matches, in which:
4809 unique CDR3
14 unique J



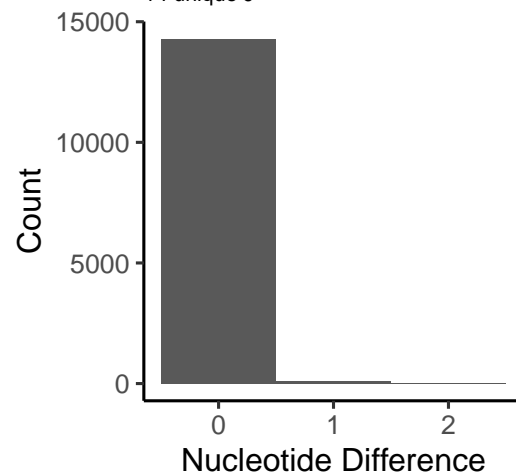
TRBV12-5*ap01

2857 sequences assigned
2841 (99.4%) exact matches, in which:
2819 unique CDR3
14 unique J



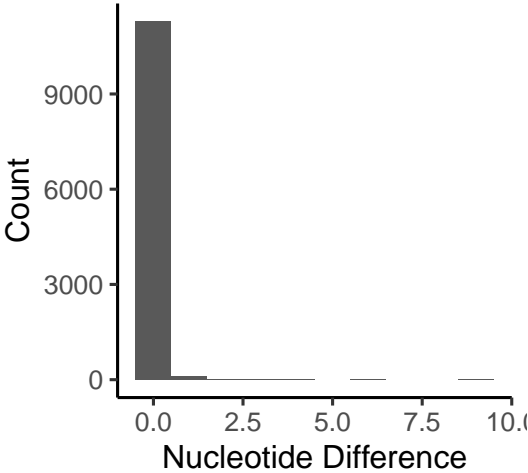
TRBV3-12*ap01

14407 sequences assigned
14293 (99.2%) exact matches, in which:
14157 unique CDR3
14 unique J



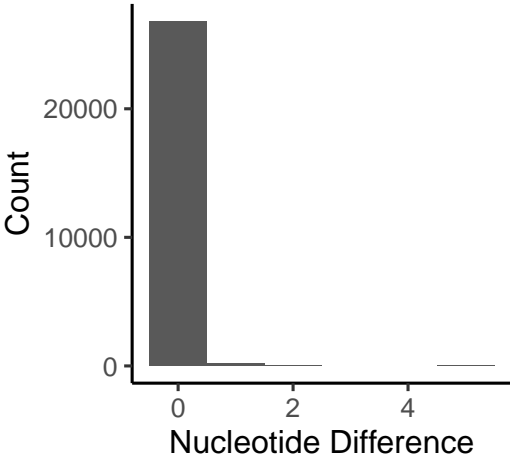
TRBV24-1*ap01

11399 sequences assigned
11286 (99%) exact matches, in which:
11176 unique CDR3
14 unique J



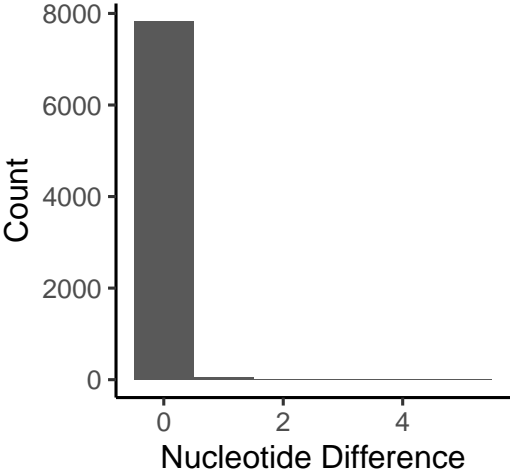
TRBV5-1*ap01

27031 sequences assigned
26816 (99.2%) exact matches, in which:
26462 unique CDR3
14 unique J



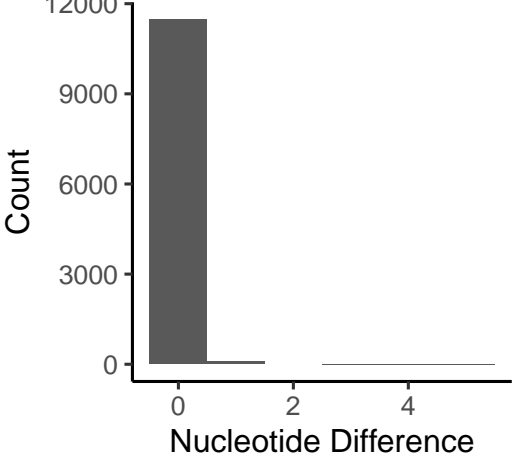
TRBV5-4*ap01

7889 sequences assigned
7826 (99.2%) exact matches, in which:
7733 unique CDR3
14 unique J



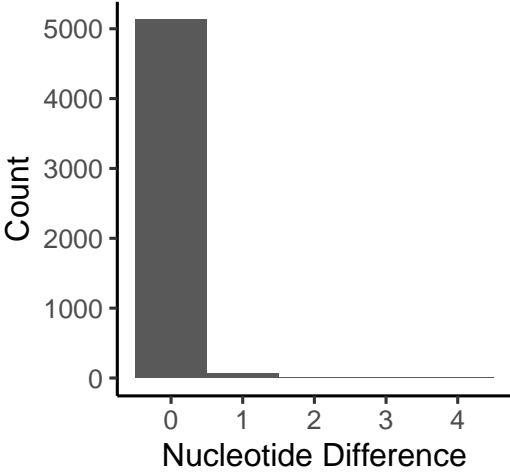
TRBV4-1*ap01

11568 sequences assigned
11475 (99.2%) exact matches, in which:
11291 unique CDR3
14 unique J



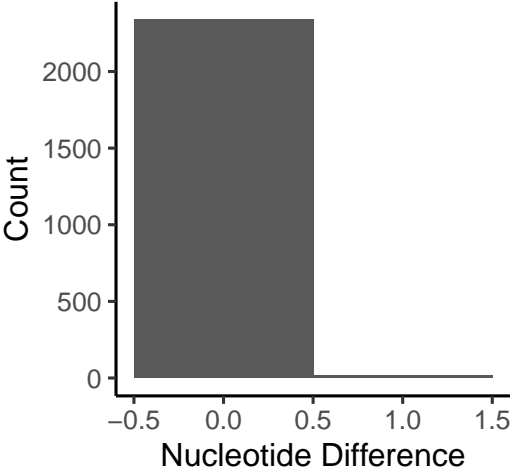
TRBV25-1*ap01

5197 sequences assigned
5129 (98.7%) exact matches, in which:
5051 unique CDR3
14 unique J



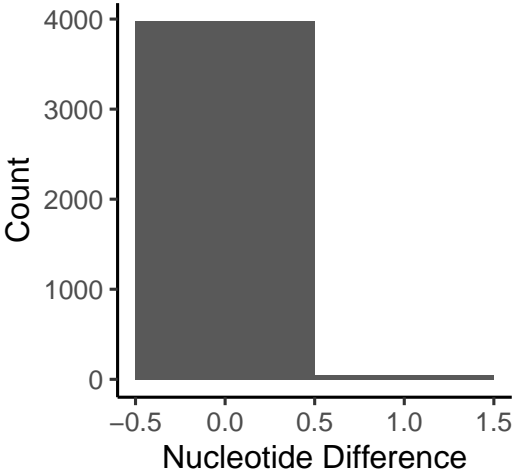
TRBV5-5*ap01

2352 sequences assigned
2338 (99.4%) exact matches, in which:
2329 unique CDR3
14 unique J



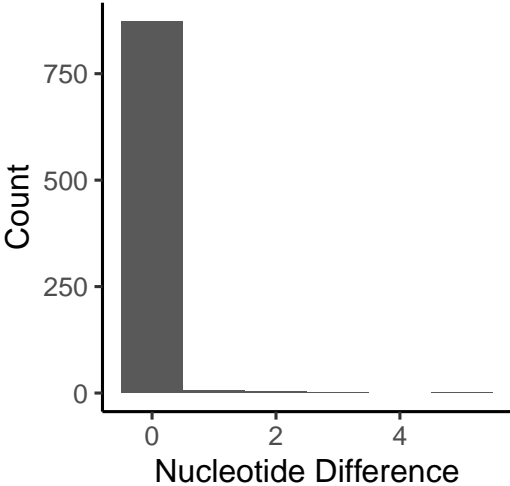
TRBV4-2*ap01

4027 sequences assigned
3978 (98.8%) exact matches, in which:
3929 unique CDR3
14 unique J



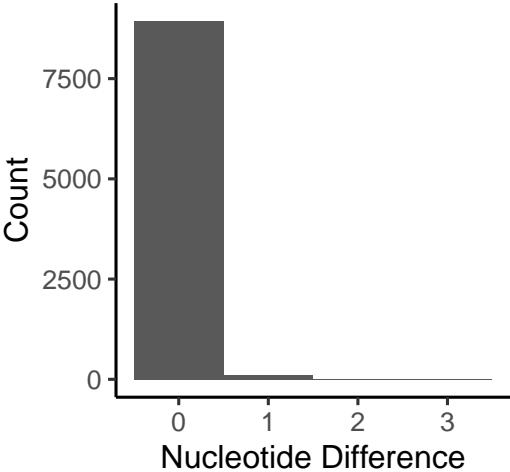
TRBV5-3*ap01

887 sequences assigned
873 (98.4%) exact matches, in which:
867 unique CDR3
14 unique J



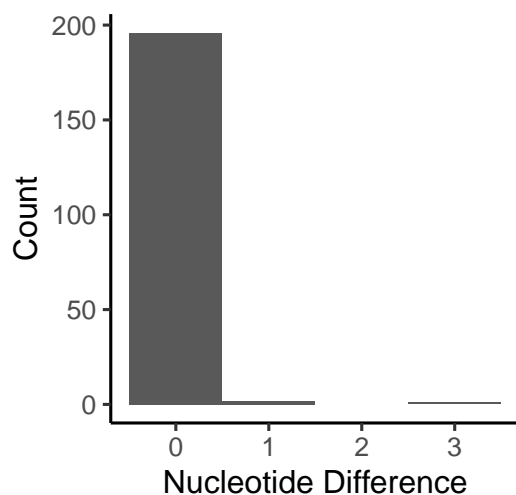
TRBV5-6*ap01

9049 sequences assigned
8937 (98.8%) exact matches, in which:
8761 unique CDR3
14 unique J



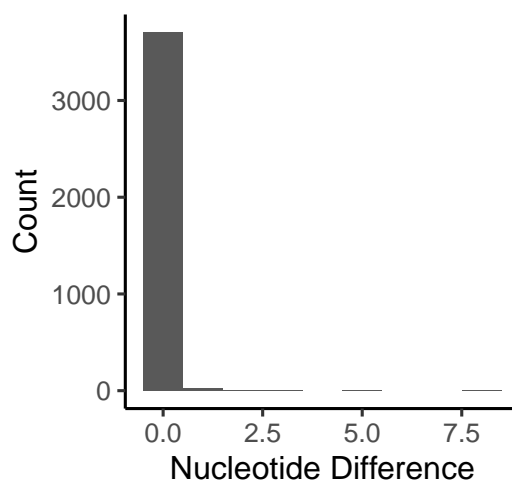
TRBV5-7*ap01

199 sequences assigned
196 (98.5%) exact matches, in which:
191 unique CDR3
14 unique J



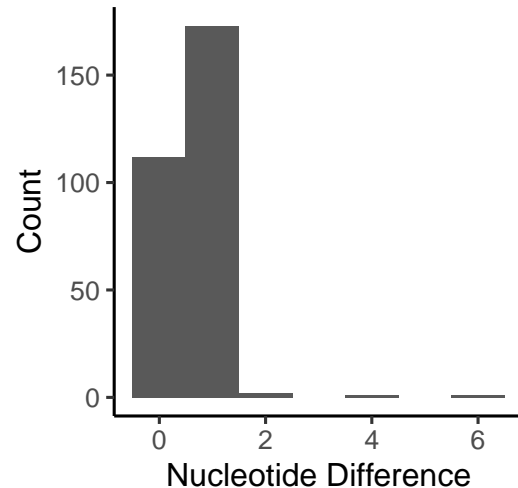
TRBV6-4*ap01

3736 sequences assigned
3704 (99.1%) exact matches, in which:
3688 unique CDR3
14 unique J



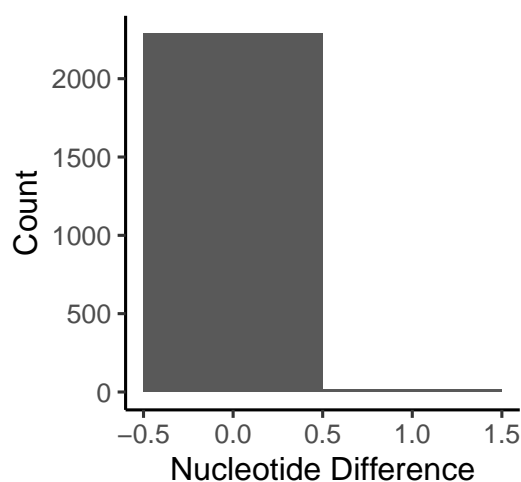
TRBV6-9*ap01

289 sequences assigned
112 (38.8%) exact matches, in which:
110 unique CDR3
13 unique J



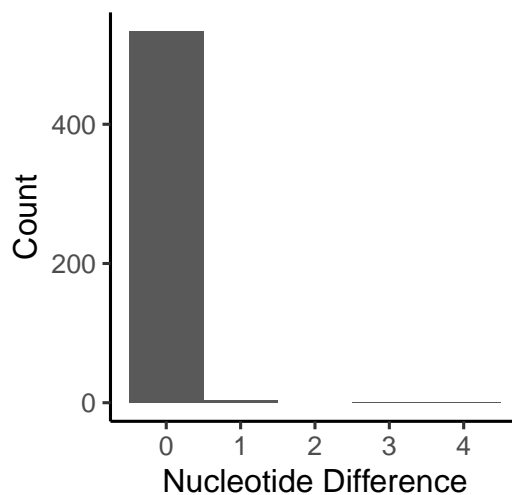
TRBV5-8*ap01

2301 sequences assigned
2287 (99.4%) exact matches, in which:
2269 unique CDR3
14 unique J



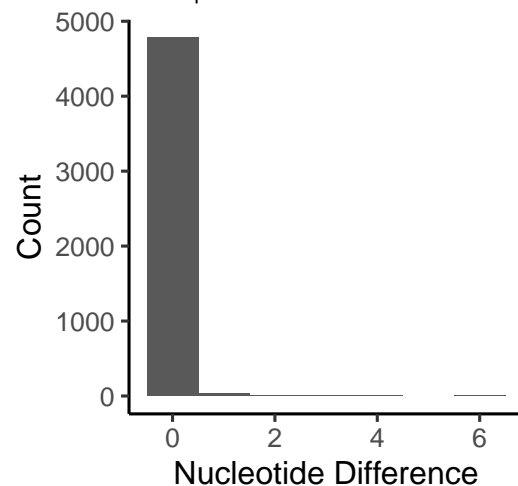
TRBV6-7*ap01

539 sequences assigned
534 (99.1%) exact matches, in which:
530 unique CDR3
14 unique J



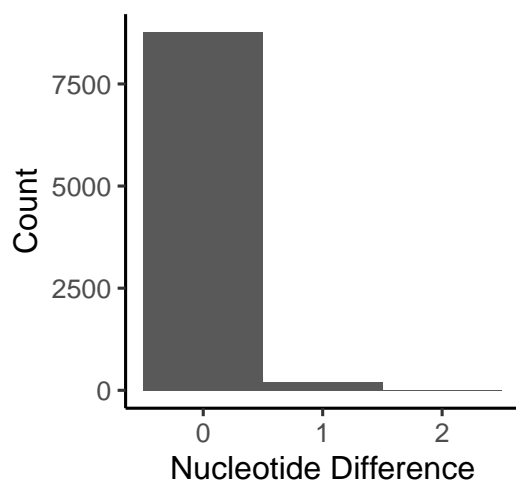
TRBV6-23*ap01

4820 sequences assigned
4780 (99.2%) exact matches, in which:
4688 unique CDR3
14 unique J



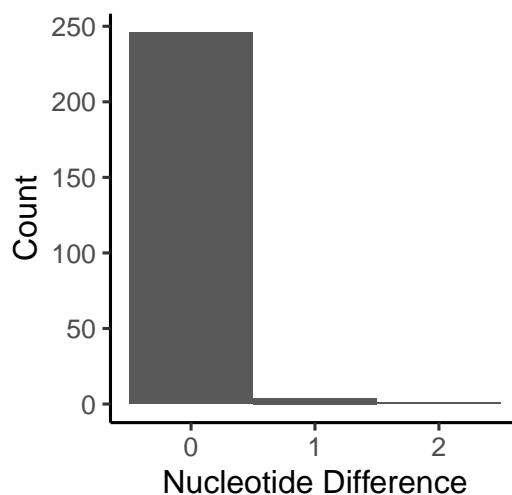
TRBV6-1*ap01

8974 sequences assigned
8770 (97.7%) exact matches, in which:
8642 unique CDR3
14 unique J



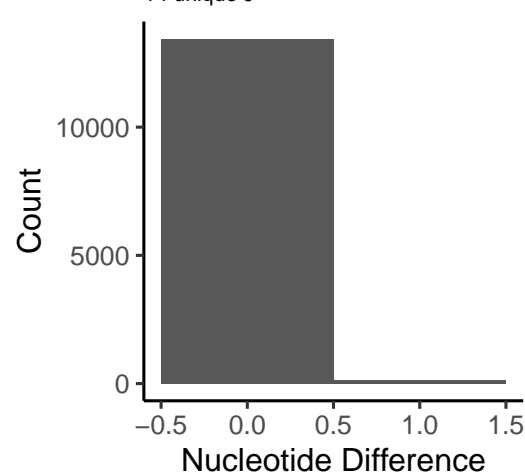
TRBV6-8*ap01

251 sequences assigned
246 (98%) exact matches, in which:
239 unique CDR3
14 unique J



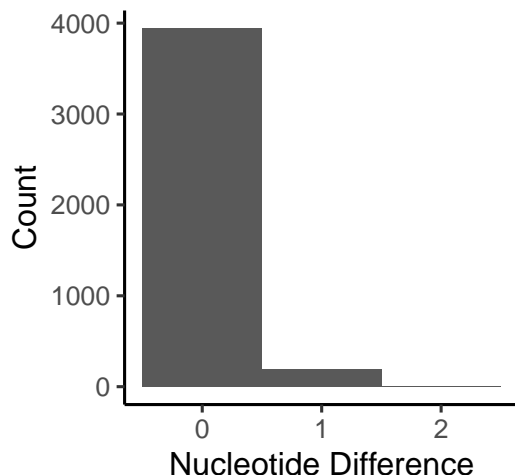
TRBV6-56*ap01

13590 sequences assigned
13445 (98.9%) exact matches, in which:
13219 unique CDR3
14 unique J



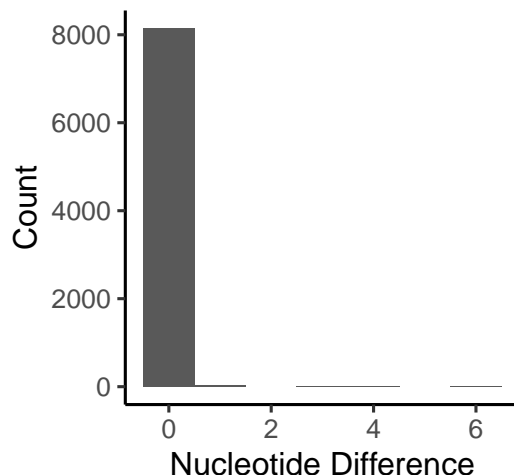
TRBV6-56*ap02

4137 sequences assigned
3942 (95.3%) exact matches, in which:
3885 unique CDR3
14 unique J



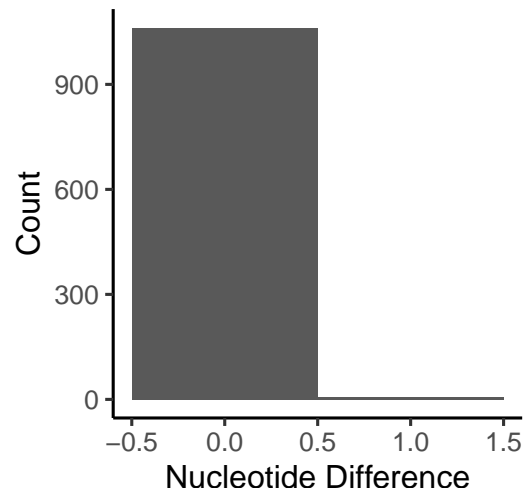
TRBV7-3*ap01

8189 sequences assigned
8144 (99.5%) exact matches, in which:
8108 unique CDR3
14 unique J



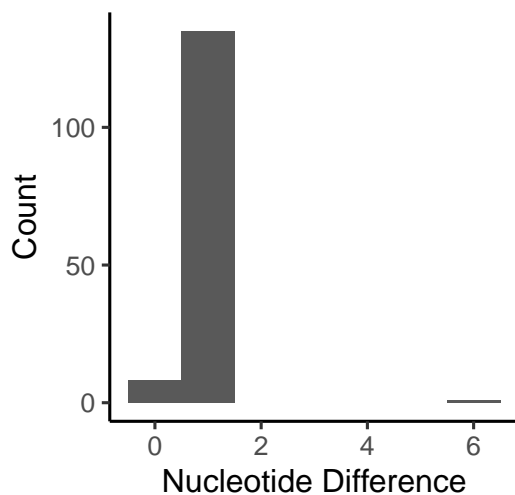
TRBV7-7*ap01

1070 sequences assigned
1062 (99.3%) exact matches, in which:
1056 unique CDR3
14 unique J



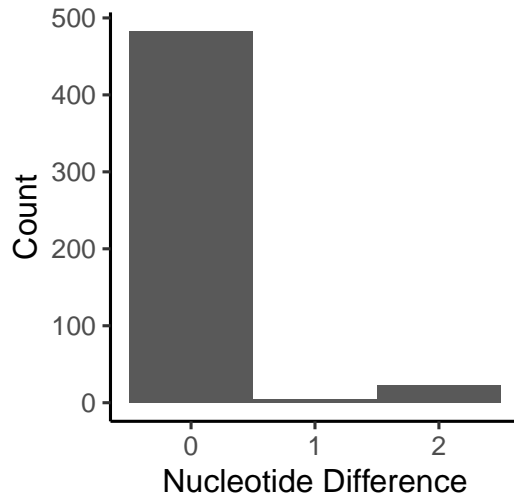
TRBV7-1*ap01_T296C

144 sequences assigned
8 (5.6%) exact matches, in which:
8 unique CDR3
6 unique J



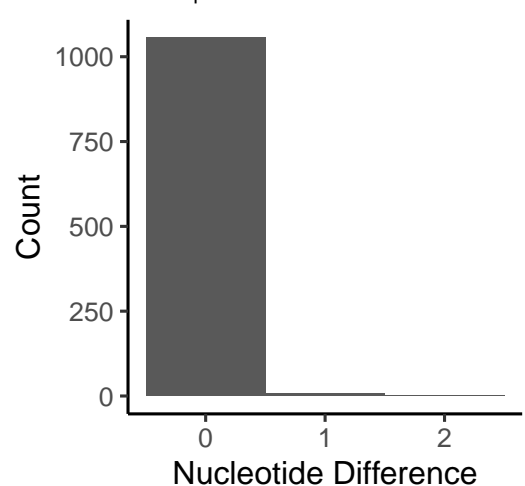
TRBV7-4*ap01

511 sequences assigned
483 (94.5%) exact matches, in which:
480 unique CDR3
14 unique J



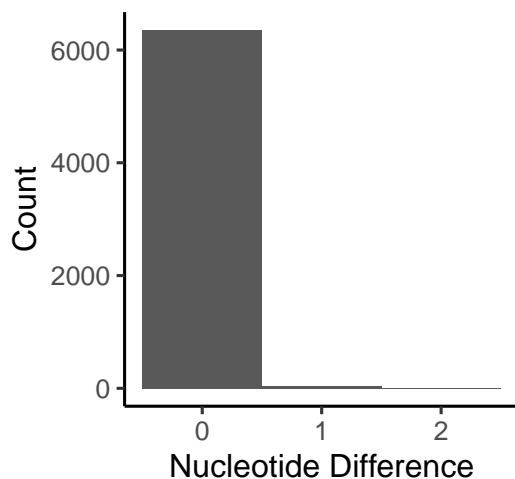
TRBV7-7*ap01_C315T

1063 sequences assigned
1056 (99.3%) exact matches, in which:
1045 unique CDR3
13 unique J



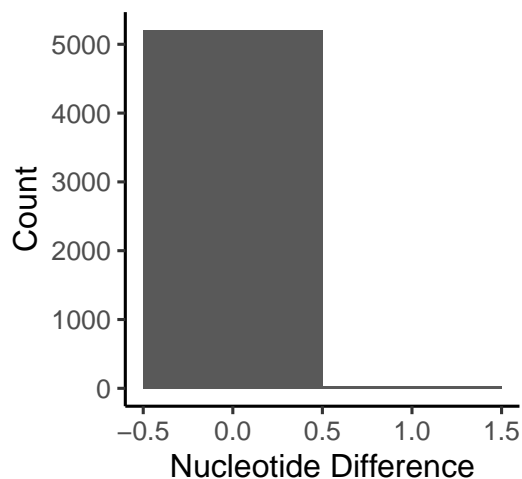
TRBV7-2*ap01

6396 sequences assigned
6354 (99.3%) exact matches, in which:
6322 unique CDR3
14 unique J



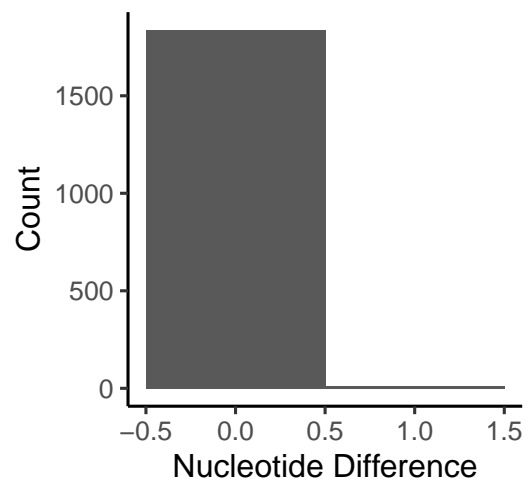
TRBV7-6*ap01

5238 sequences assigned
5207 (99.4%) exact matches, in which:
5167 unique CDR3
14 unique J



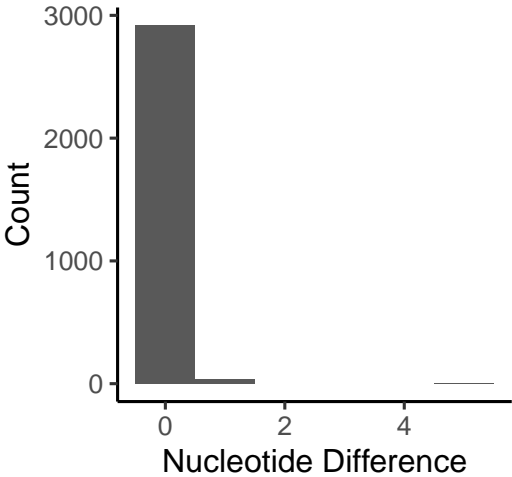
TRBV7-8*ap01

1850 sequences assigned
1837 (99.3%) exact matches, in which:
1826 unique CDR3
14 unique J



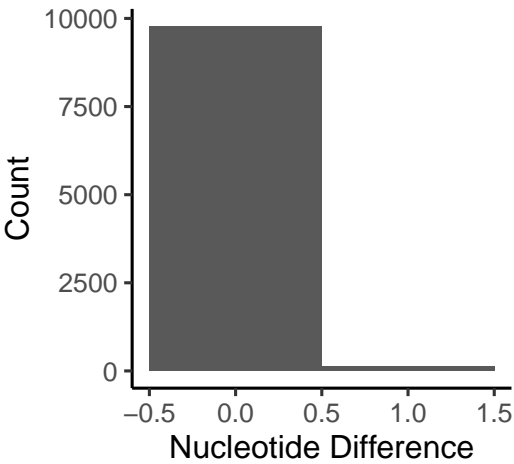
TRBV7-8*ap02

2953 sequences assigned
2918 (98.8%) exact matches, in which:
2882 unique CDR3
14 unique J



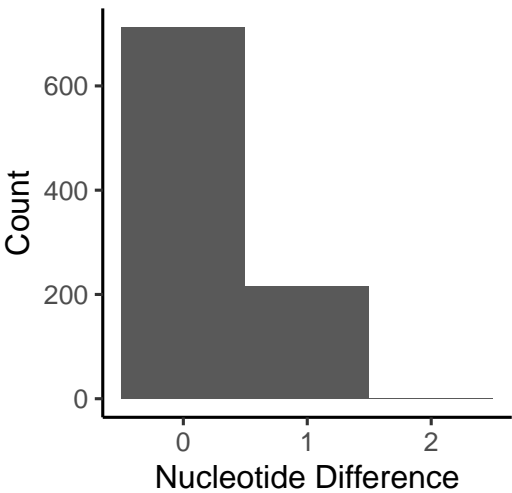
TRBV29-1*ap01

9902 sequences assigned
9781 (98.8%) exact matches, in which:
9608 unique CDR3
14 unique J



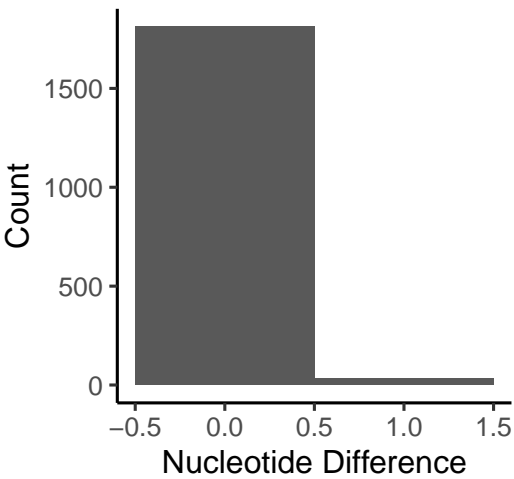
TRBV7-8*ap03

929 sequences assigned
713 (76.7%) exact matches, in which:
710 unique CDR3
14 unique J



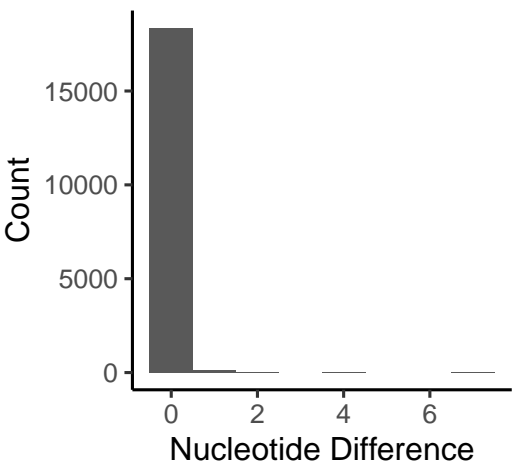
TRBV29-1*ap02

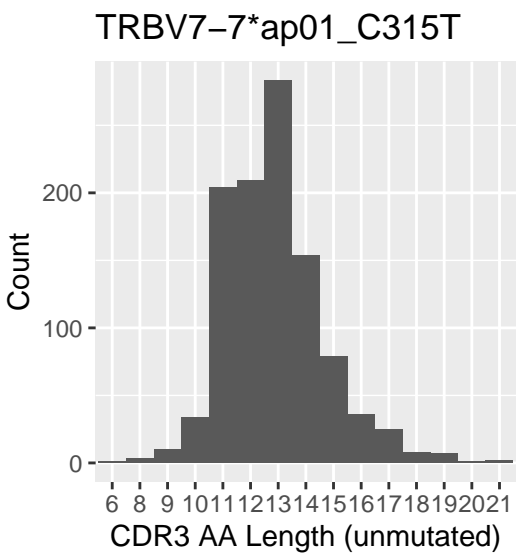
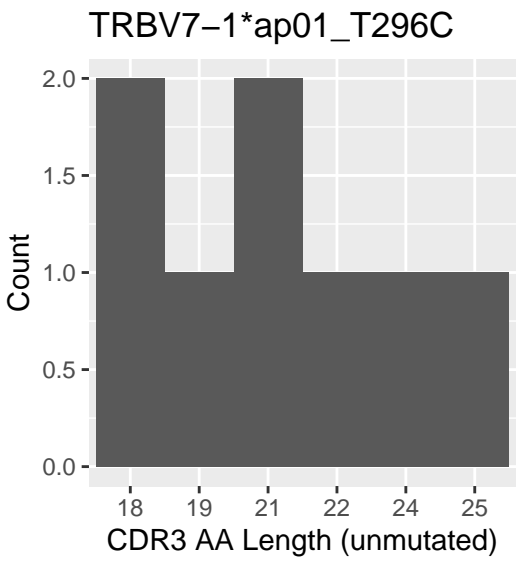
1844 sequences assigned
1812 (98.3%) exact matches, in which:
1781 unique CDR3
14 unique J

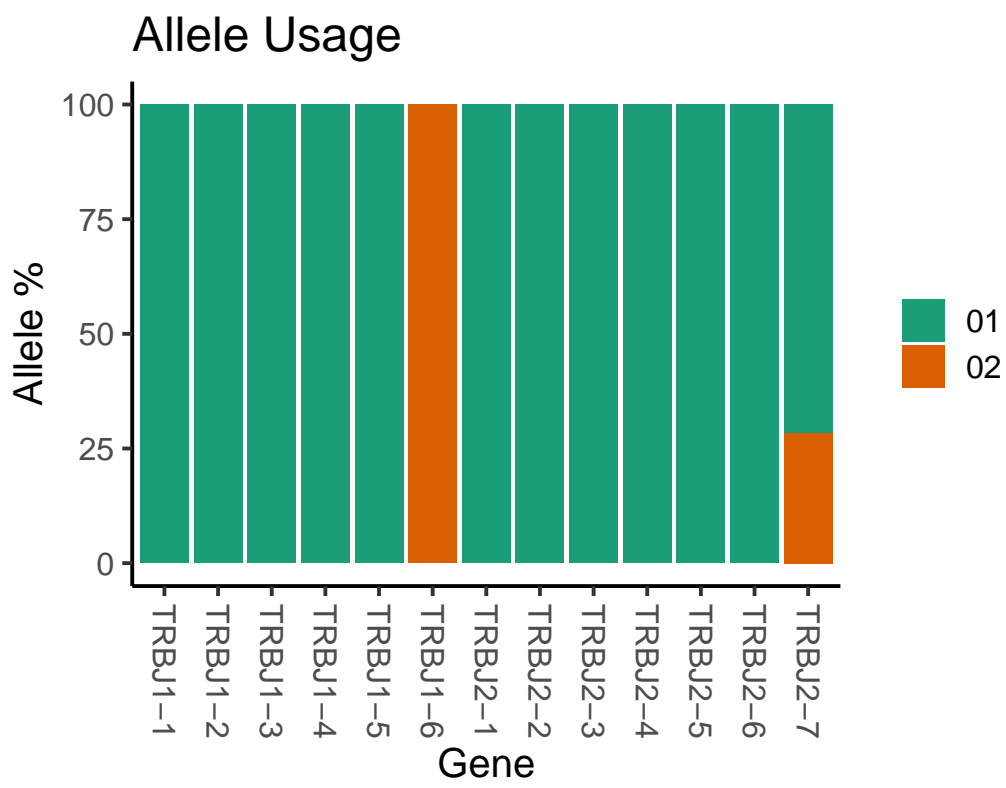


TRBV7-9*ap01

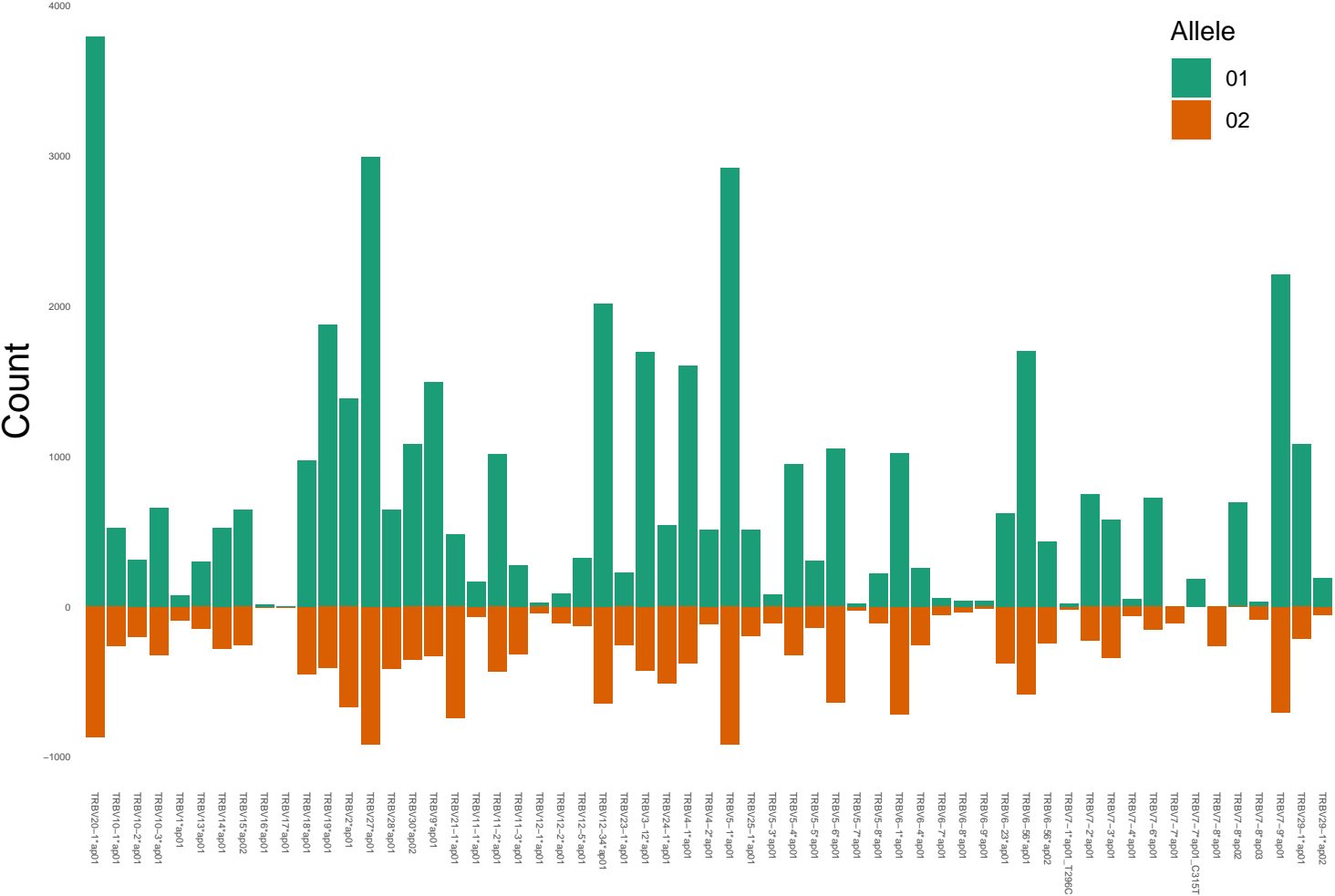
18484 sequences assigned
18368 (99.4%) exact matches, in which:
18245 unique CDR3
14 unique J







Sequence Count by TRBJ2–7 allele usage



[illegible]