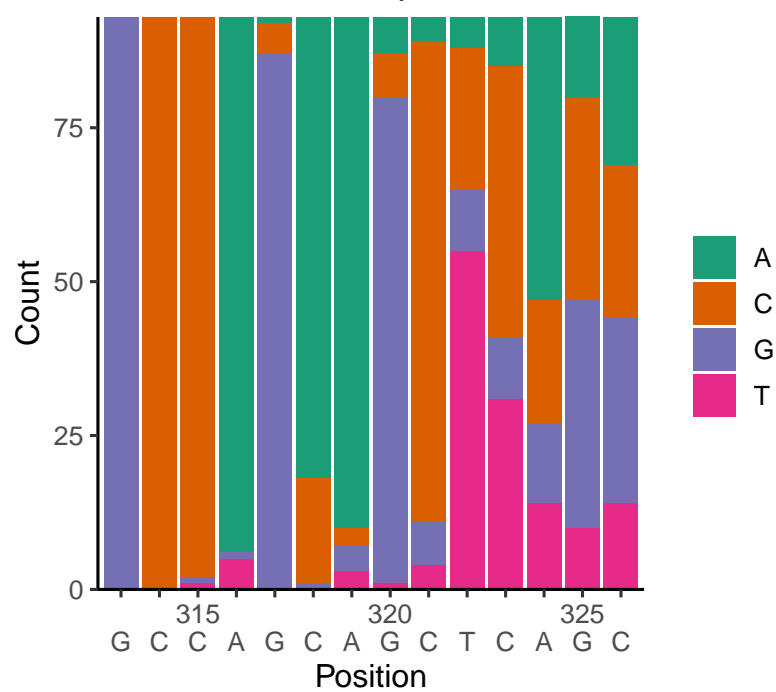
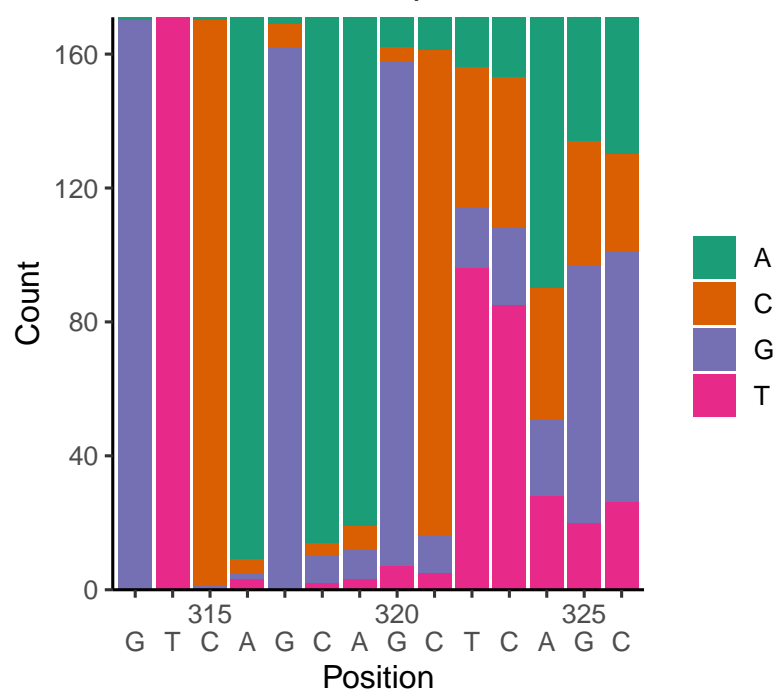


Gene TRBV7-1*ap01_G291C_T296C



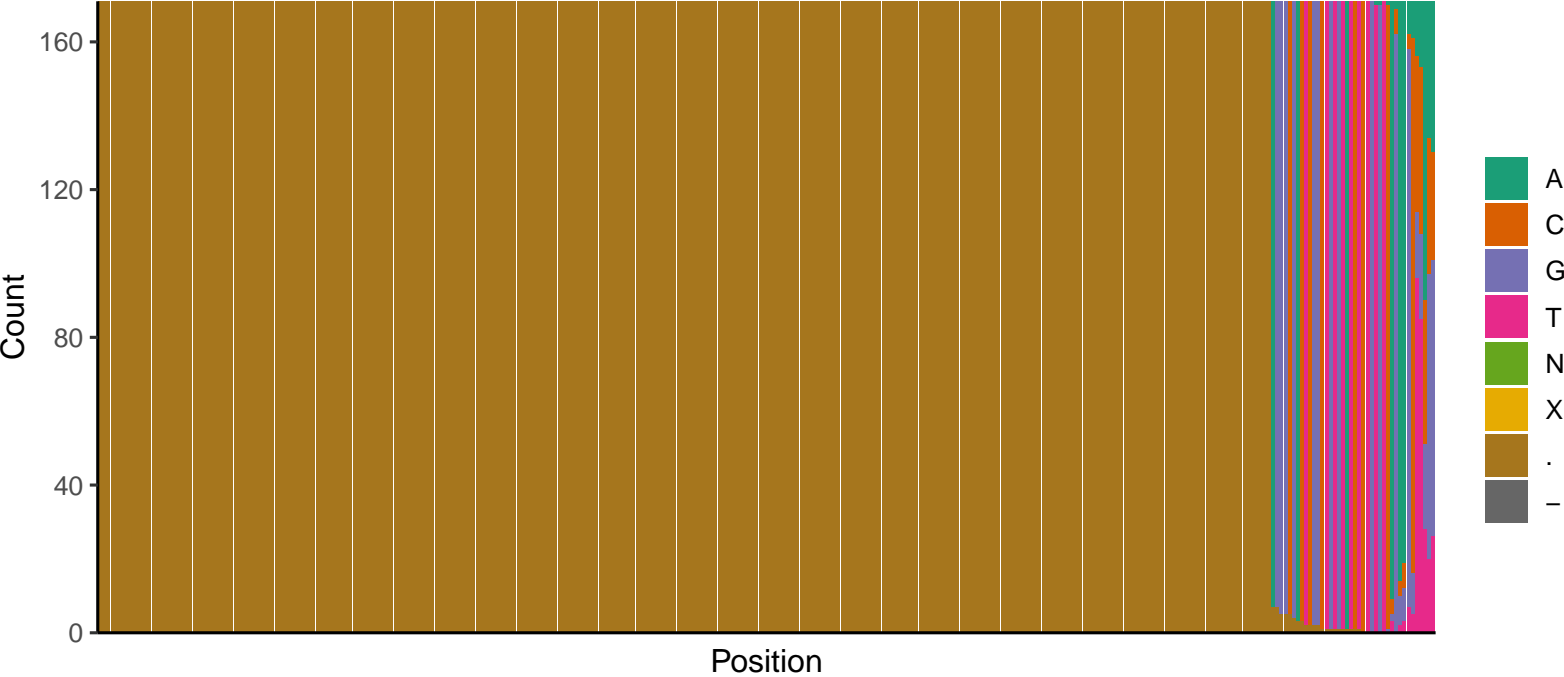
Gene TRBV7-1*ap01_G291C_T296C_C314T



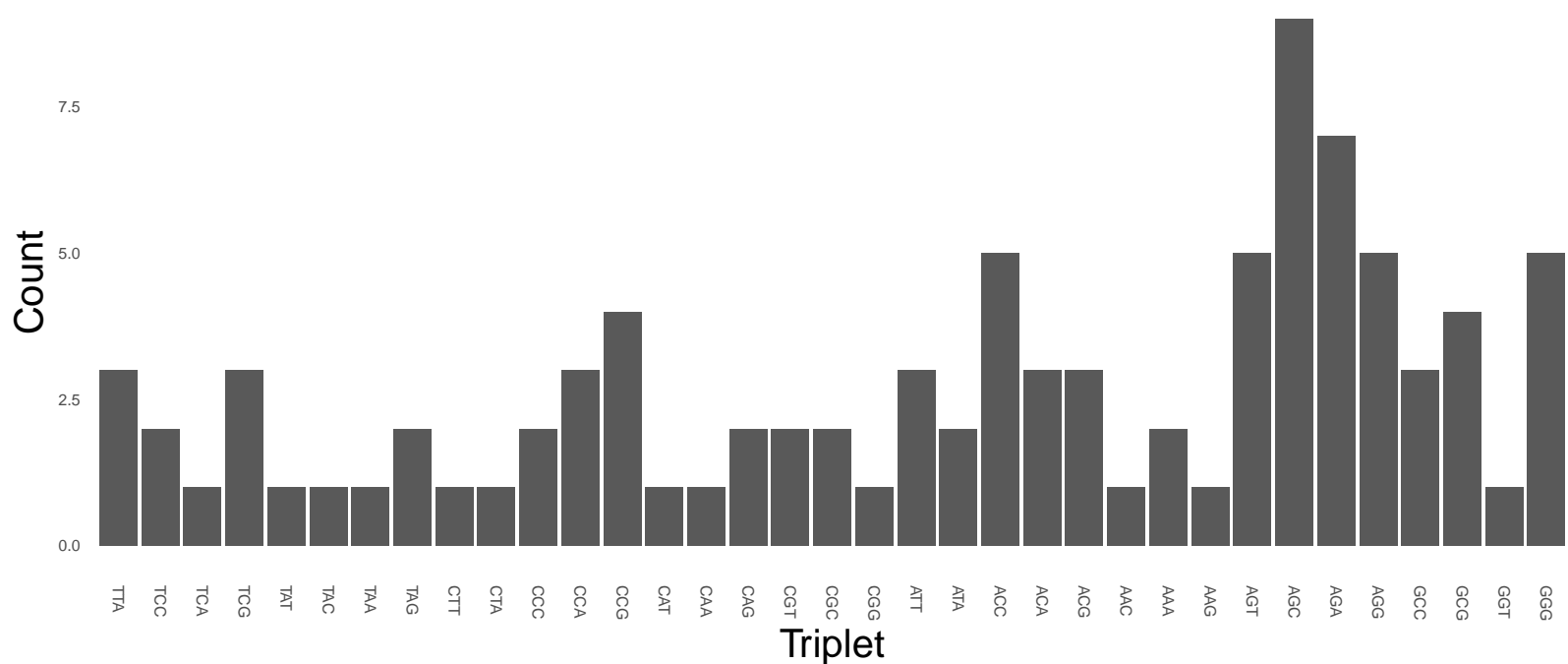
Gene TRBV7-1*ap01_G291C_T296C



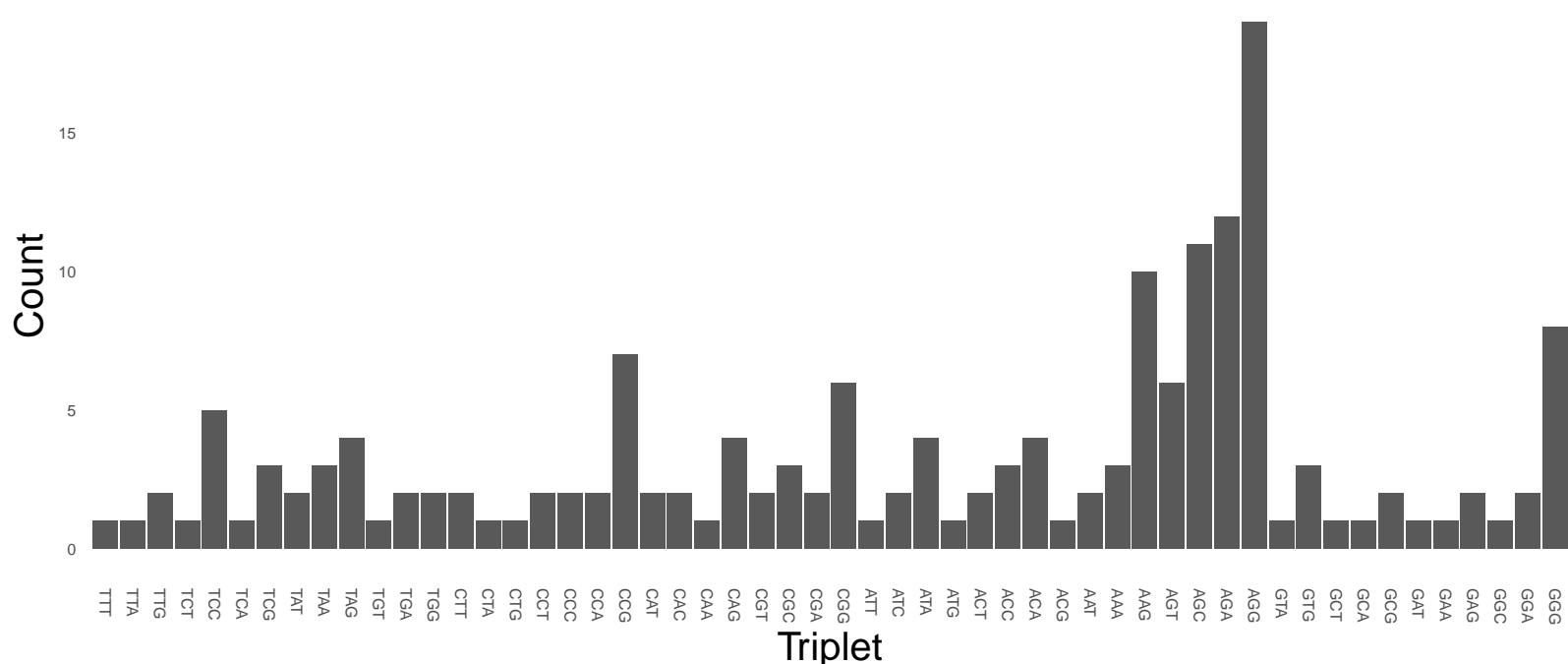
Gene TRBV7-1*ap01_G291C_T296C_C314T



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

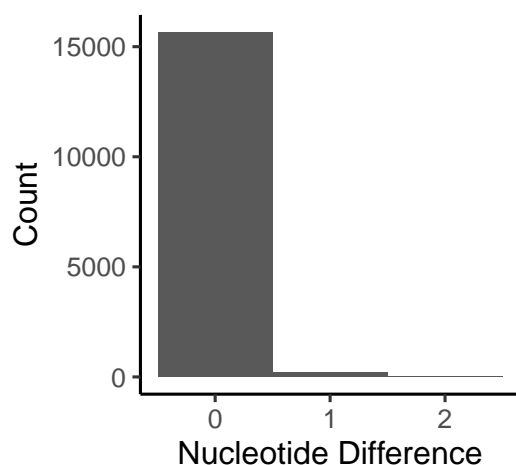


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



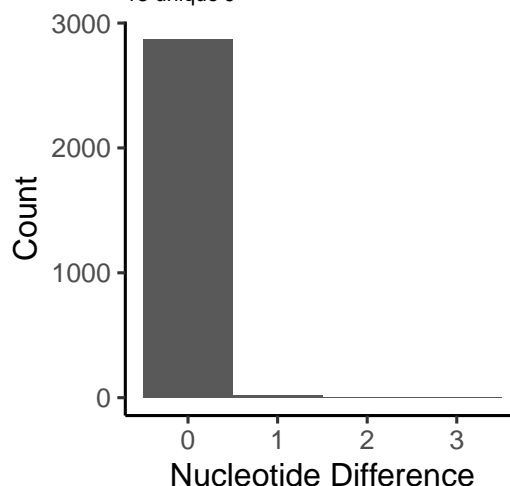
TRBV20-1*ap01

15883 sequences assigned
15661 (98.6%) exact matches, in which:
15374 unique CDR3
13 unique J



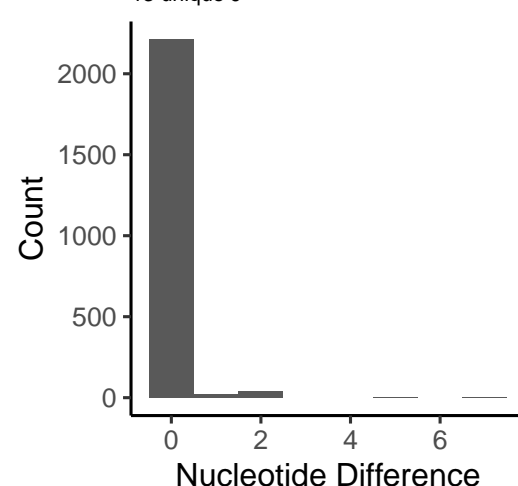
TRBV10-2*ap01

2897 sequences assigned
2869 (99%) exact matches, in which:
2813 unique CDR3
13 unique J



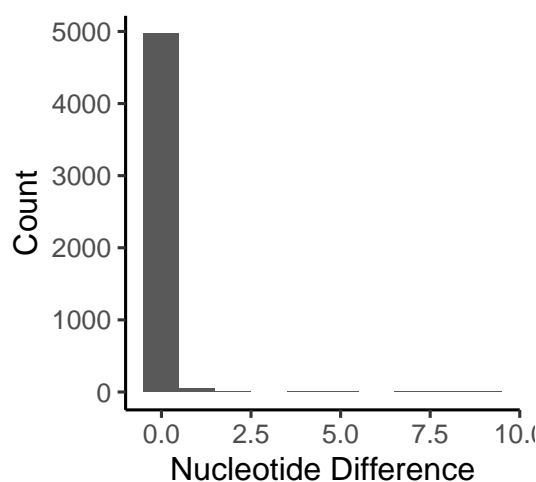
TRBV13*ap01

2274 sequences assigned
2212 (97.3%) exact matches, in which:
2148 unique CDR3
13 unique J



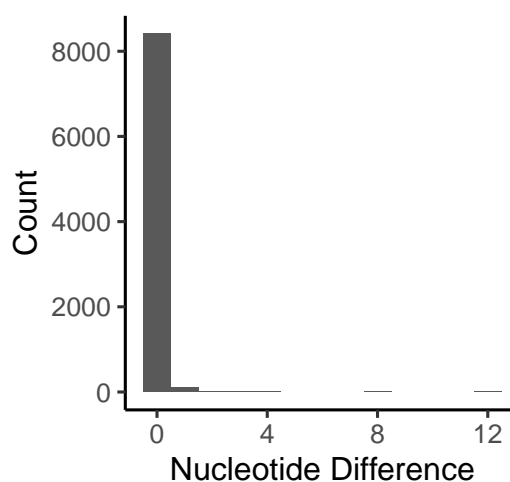
TRBV10-1*ap01

5031 sequences assigned
4968 (98.7%) exact matches, in which:
4876 unique CDR3
13 unique J



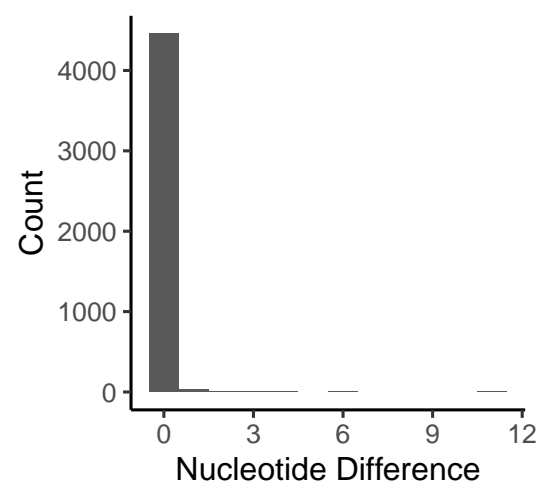
TRBV10-3*ap01

8518 sequences assigned
8411 (98.7%) exact matches, in which:
8223 unique CDR3
13 unique J



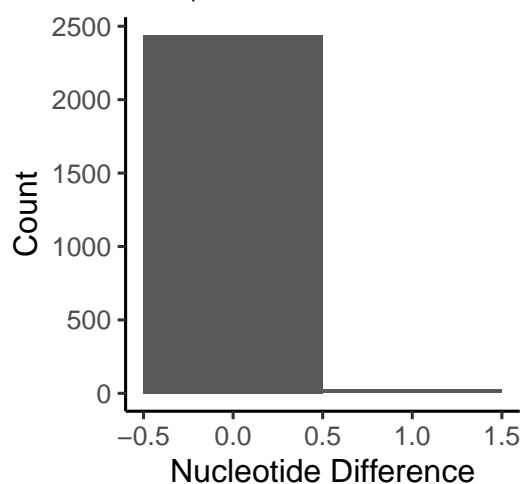
TRBV14*ap01

4495 sequences assigned
4457 (99.2%) exact matches, in which:
4386 unique CDR3
13 unique J



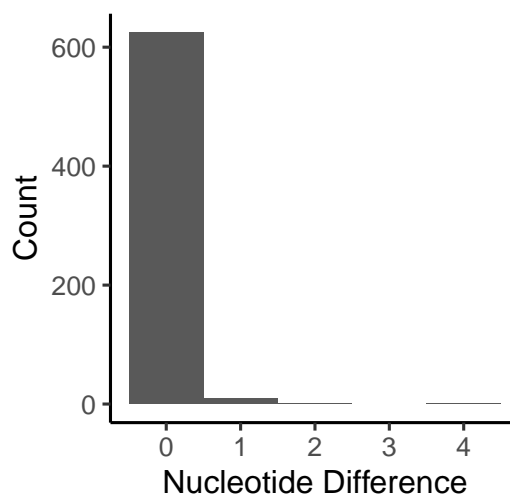
TRBV20-1*ap02

2467 sequences assigned
2440 (98.9%) exact matches, in which:
2398 unique CDR3
13 unique J



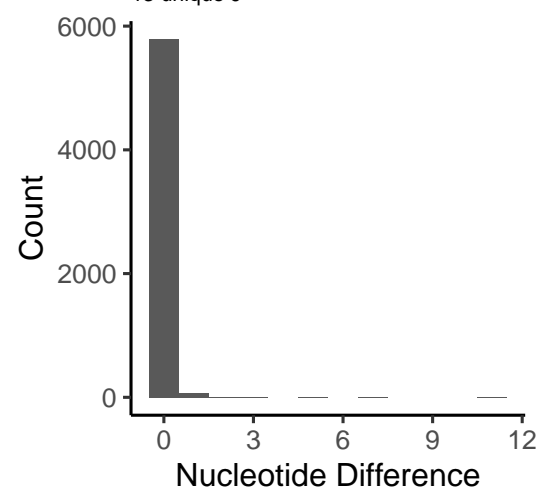
TRBV1*ap01

636 sequences assigned
625 (98.3%) exact matches, in which:
603 unique CDR3
13 unique J



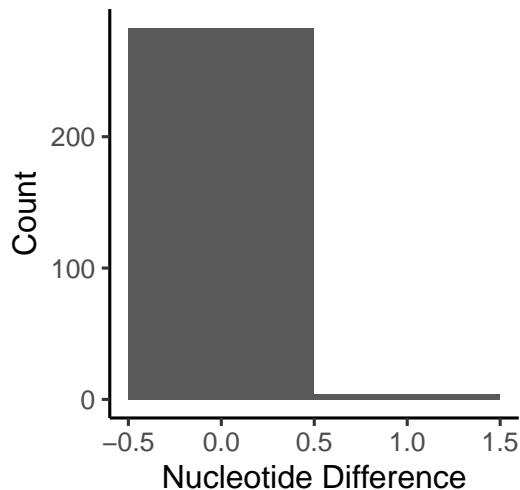
TRBV15*ap02

5864 sequences assigned
5791 (98.8%) exact matches, in which:
5624 unique CDR3
13 unique J



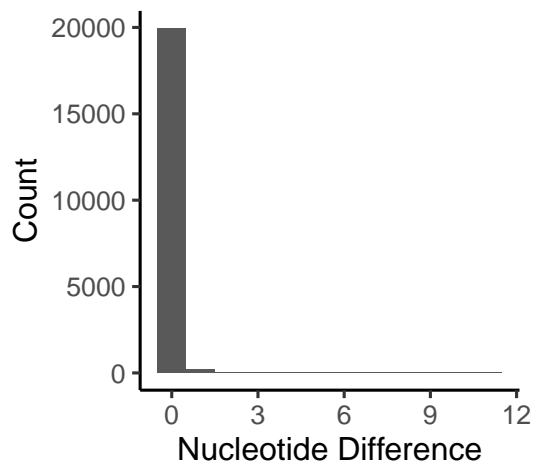
TRBV16*ap01

287 sequences assigned
283 (98.6%) exact matches, in which:
283 unique CDR3
13 unique J



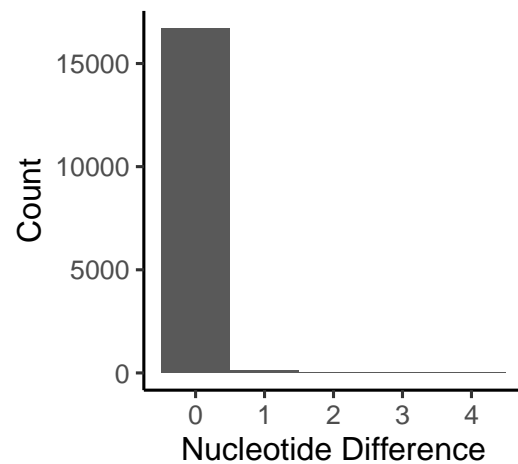
TRBV19*ap01

20205 sequences assigned
19958 (98.8%) exact matches, in which:
19729 unique CDR3
13 unique J



TRBV28*ap01

16840 sequences assigned
16714 (99.3%) exact matches, in which:
16523 unique CDR3
13 unique J



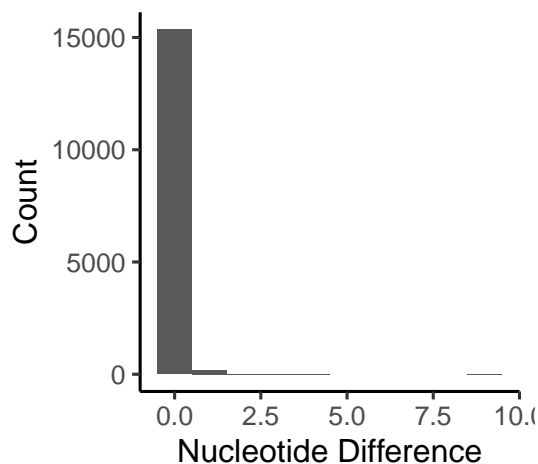
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
1 unique CDR3
1 unique J



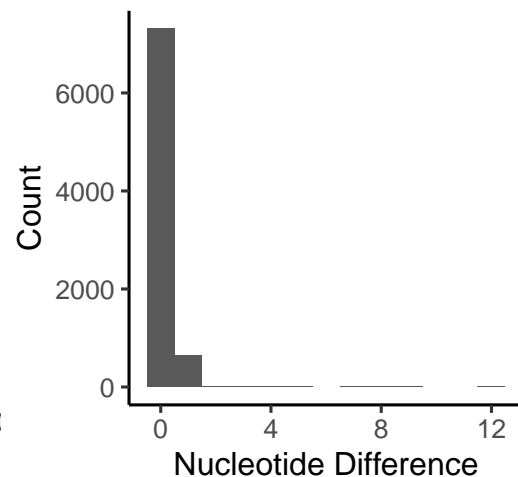
TRBV2*ap01

15558 sequences assigned
15357 (98.7%) exact matches, in which:
15024 unique CDR3
13 unique J



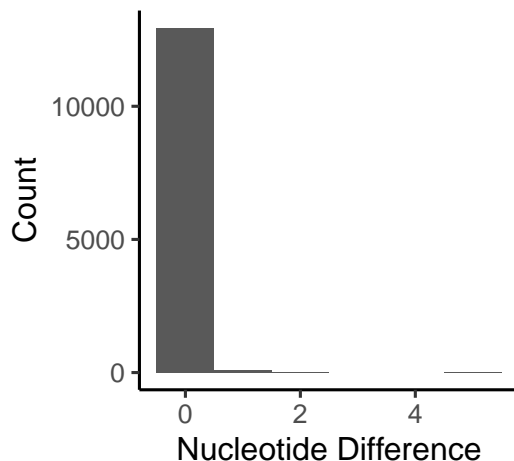
TRBV30*ap01

7985 sequences assigned
7310 (91.5%) exact matches, in which:
7076 unique CDR3
13 unique J



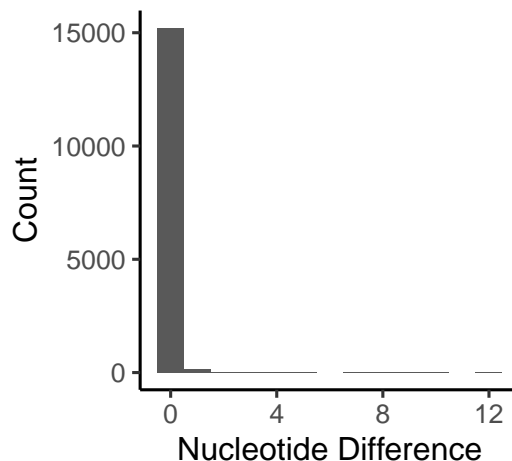
TRBV18*ap01

13036 sequences assigned
12948 (99.3%) exact matches, in which:
12844 unique CDR3
13 unique J



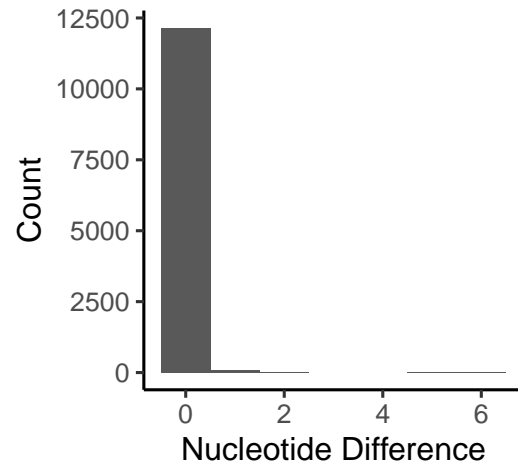
TRBV27*ap01

15380 sequences assigned
15218 (98.9%) exact matches, in which:
15017 unique CDR3
13 unique J



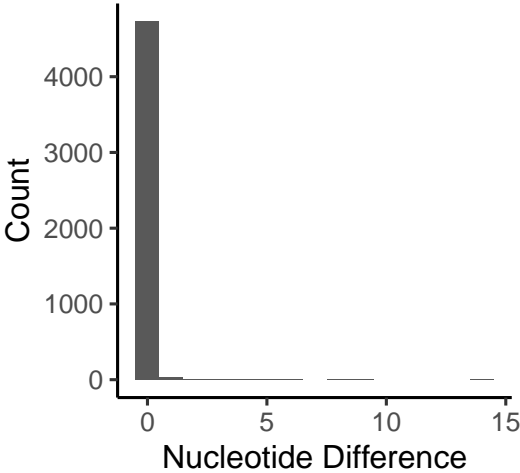
TRBV9*ap01

12263 sequences assigned
12153 (99.1%) exact matches, in which:
11970 unique CDR3
13 unique J



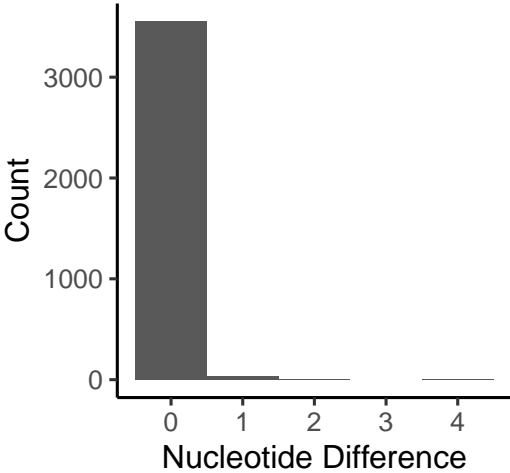
TRBV21-1*ap01

4792 sequences assigned
4730 (98.7%) exact matches, in which:
4682 unique CDR3
13 unique J



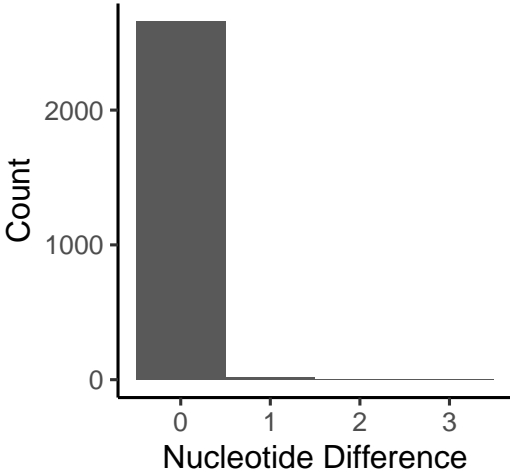
TRBV11-3*ap01

3591 sequences assigned
3553 (98.9%) exact matches, in which:
3516 unique CDR3
13 unique J



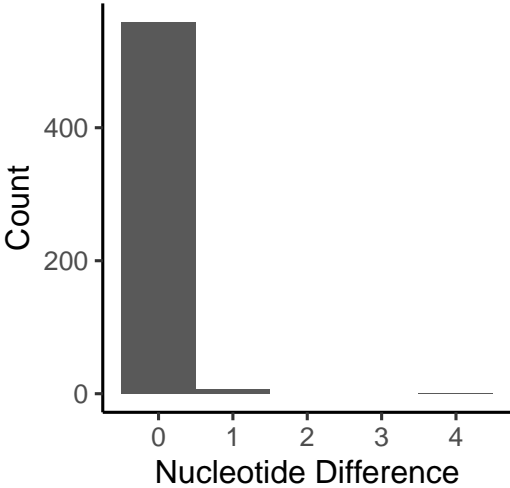
TRBV12-5*ap01

2678 sequences assigned
2658 (99.3%) exact matches, in which:
2612 unique CDR3
13 unique J



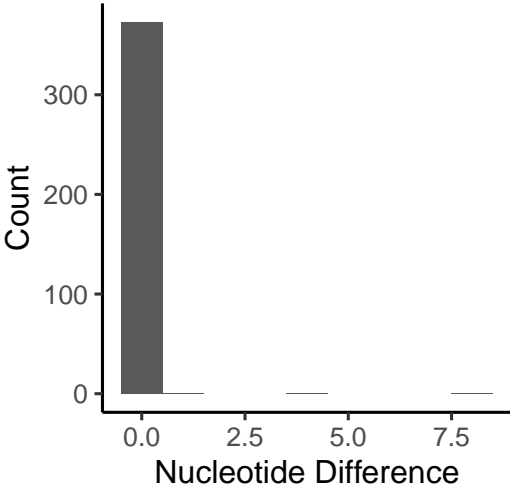
TRBV11-1*ap01

567 sequences assigned
559 (98.6%) exact matches, in which:
554 unique CDR3
13 unique J



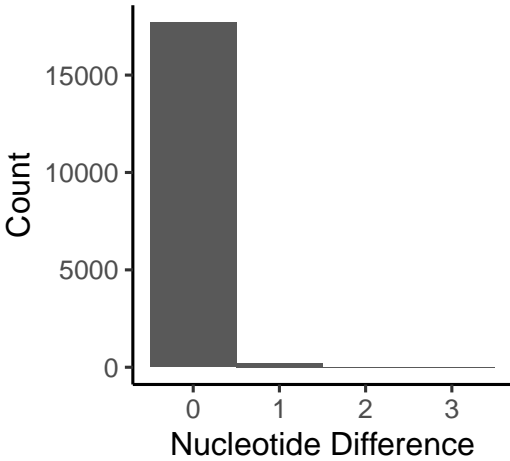
TRBV12-1*ap01

376 sequences assigned
373 (99.2%) exact matches, in which:
369 unique CDR3
13 unique J



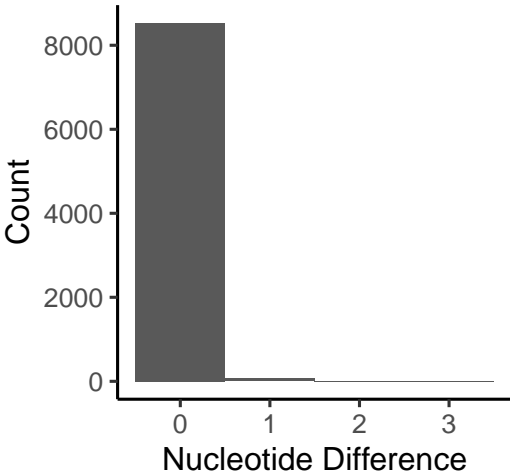
TRBV12-34*ap01

17917 sequences assigned
17702 (98.8%) exact matches, in which:
17416 unique CDR3
13 unique J



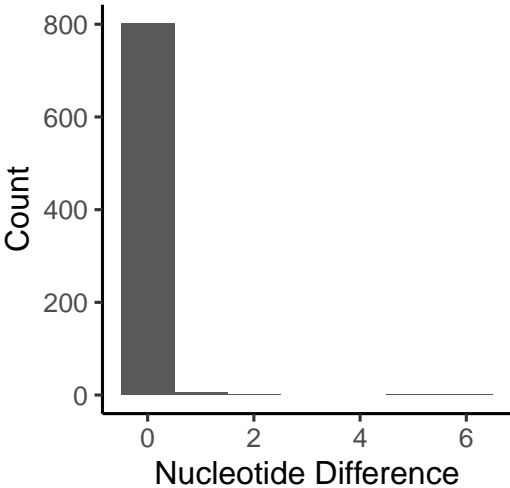
TRBV11-2*ap01

8600 sequences assigned
8529 (99.2%) exact matches, in which:
8388 unique CDR3
13 unique J



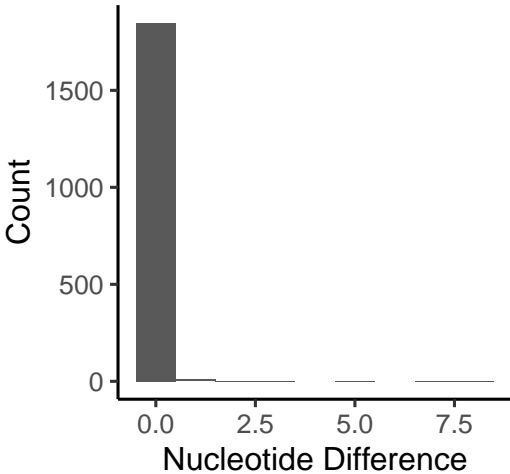
TRBV12-2*ap01

811 sequences assigned
802 (98.9%) exact matches, in which:
790 unique CDR3
13 unique J



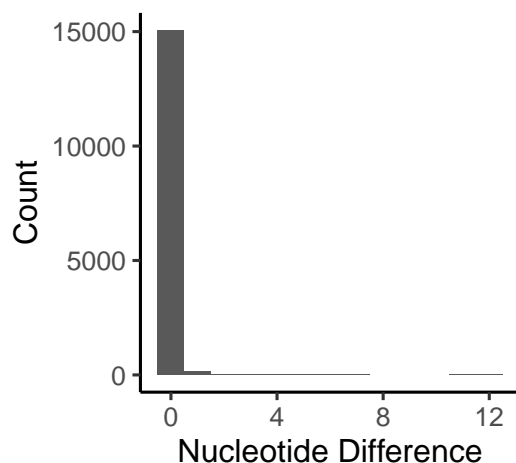
TRBV23-1*ap01

1865 sequences assigned
1847 (99%) exact matches, in which:
1836 unique CDR3
13 unique J



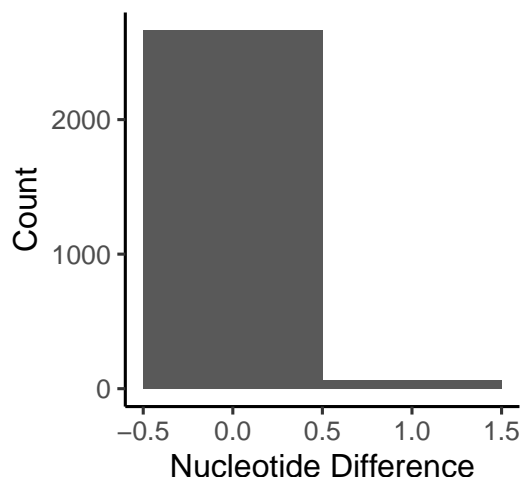
TRBV3-12*ap01

15246 sequences assigned
15063 (98.8%) exact matches, in which:
14788 unique CDR3
13 unique J



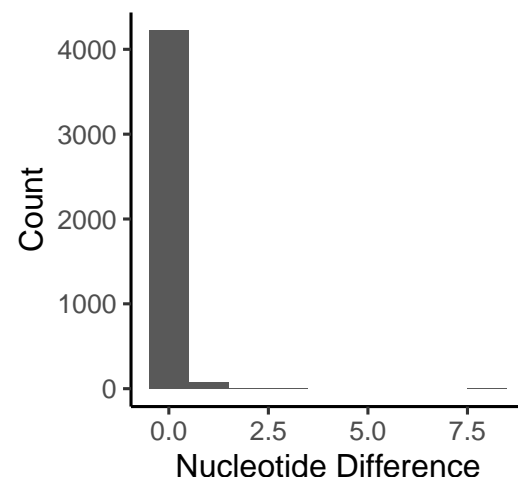
TRBV4-2*ap01

2728 sequences assigned
2663 (97.6%) exact matches, in which:
2610 unique CDR3
13 unique J



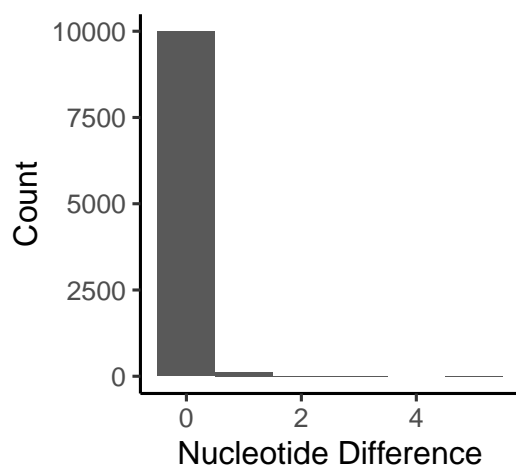
TRBV25-1*ap01

4316 sequences assigned
4223 (97.8%) exact matches, in which:
4125 unique CDR3
13 unique J



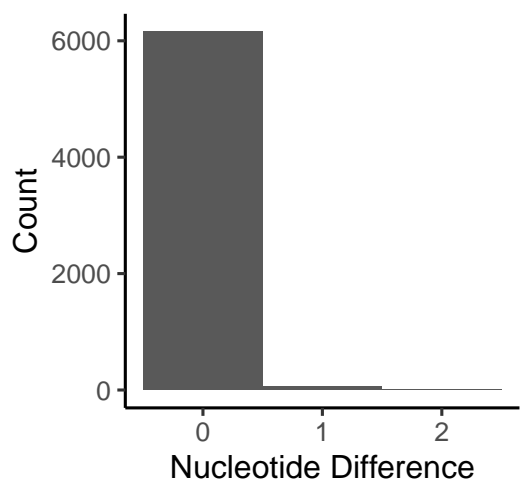
TRBV4-1*ap01

10120 sequences assigned
9993 (98.7%) exact matches, in which:
9750 unique CDR3
13 unique J



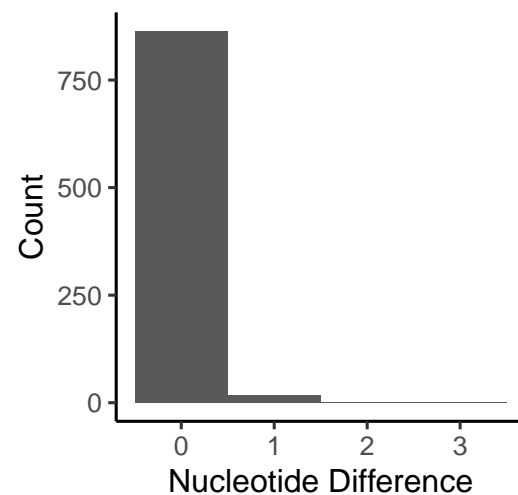
TRBV4-3*ap01

6217 sequences assigned
6156 (99%) exact matches, in which:
5990 unique CDR3
13 unique J



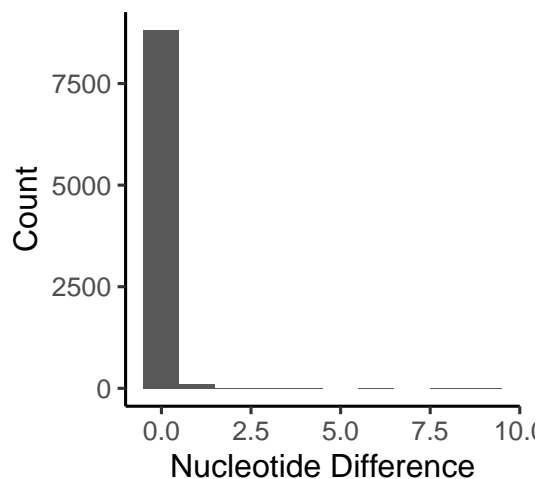
TRBV5-3*ap01

884 sequences assigned
864 (97.7%) exact matches, in which:
847 unique CDR3
13 unique J



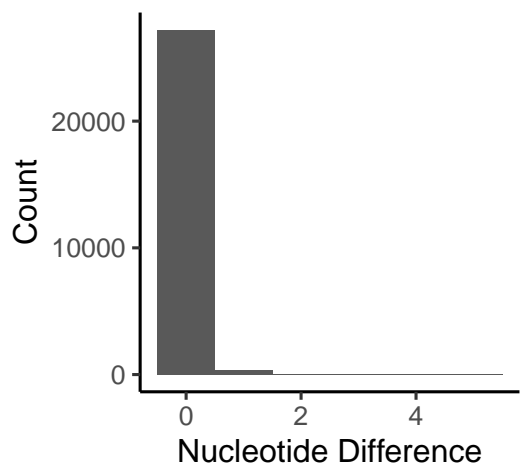
TRBV24-1*ap01

8934 sequences assigned
8817 (98.7%) exact matches, in which:
8671 unique CDR3
13 unique J



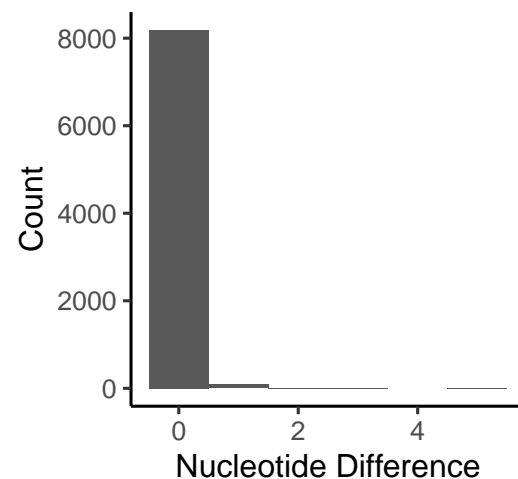
TRBV5-1*ap01

27535 sequences assigned
27209 (98.8%) exact matches, in which:
26528 unique CDR3
13 unique J



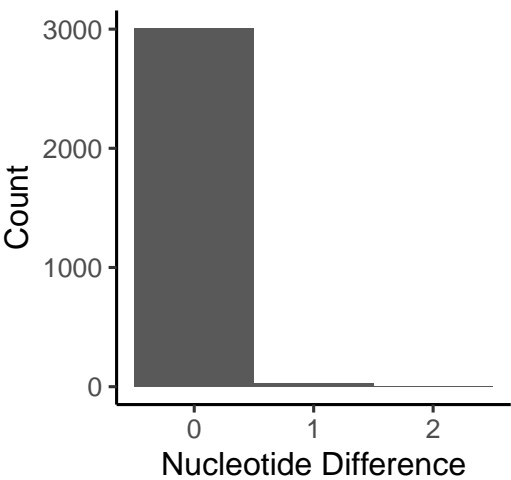
TRBV5-4*ap01

8278 sequences assigned
8186 (98.9%) exact matches, in which:
8018 unique CDR3
13 unique J



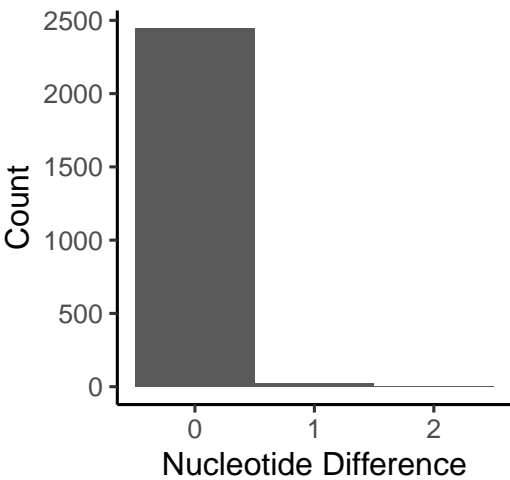
TRBV5-5*ap01

3034 sequences assigned
3006 (99.1%) exact matches, in which:
2986 unique CDR3
13 unique J



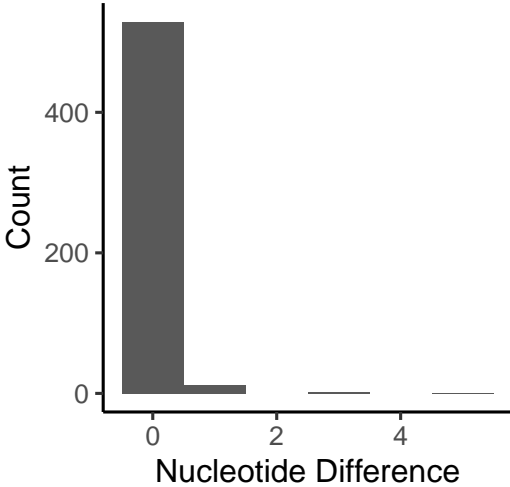
TRBV5-8*ap01

2474 sequences assigned
2445 (98.8%) exact matches, in which:
2410 unique CDR3
13 unique J



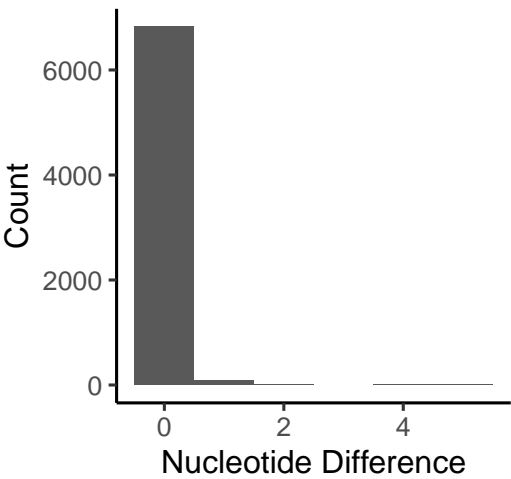
TRBV6-7*ap01

544 sequences assigned
529 (97.2%) exact matches, in which:
514 unique CDR3
13 unique J



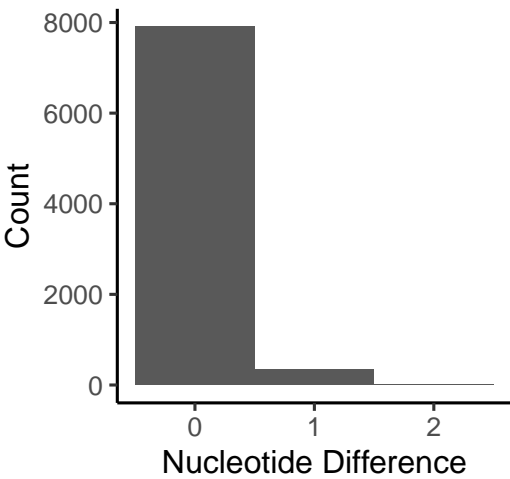
TRBV5-6*ap01

6908 sequences assigned
6824 (98.8%) exact matches, in which:
6580 unique CDR3
13 unique J



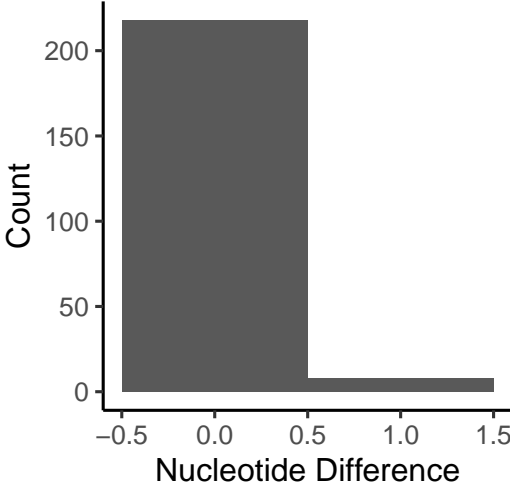
TRBV6-1*ap01

8255 sequences assigned
7907 (95.8%) exact matches, in which:
7703 unique CDR3
13 unique J



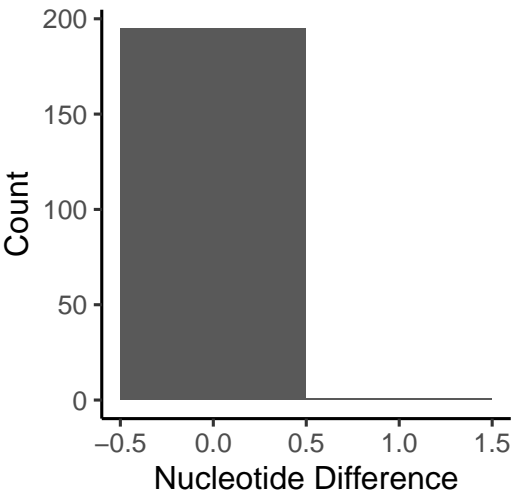
TRBV6-8*ap01

226 sequences assigned
218 (96.5%) exact matches, in which:
206 unique CDR3
13 unique J



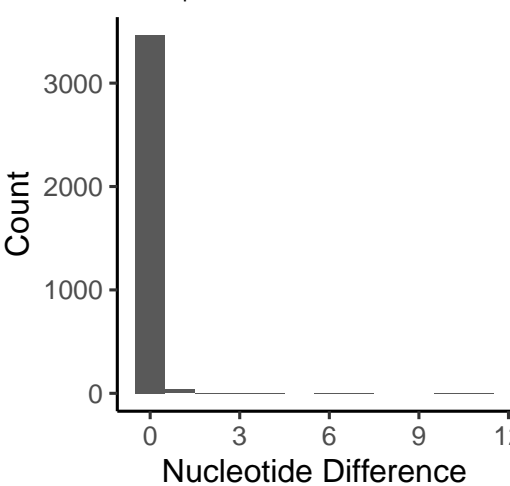
TRBV5-7*ap01

196 sequences assigned
195 (99.5%) exact matches, in which:
188 unique CDR3
13 unique J



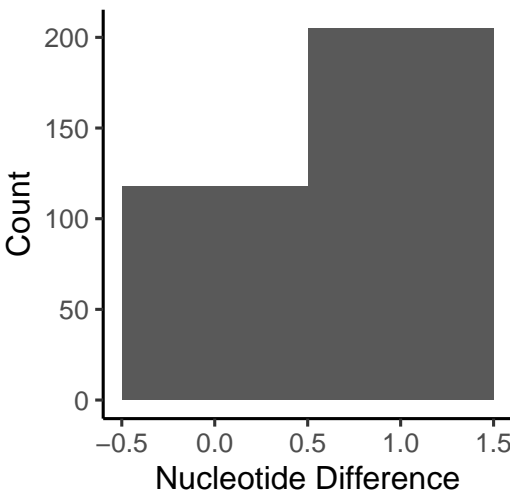
TRBV6-4*ap01

3517 sequences assigned
3465 (98.5%) exact matches, in which:
3412 unique CDR3
13 unique J



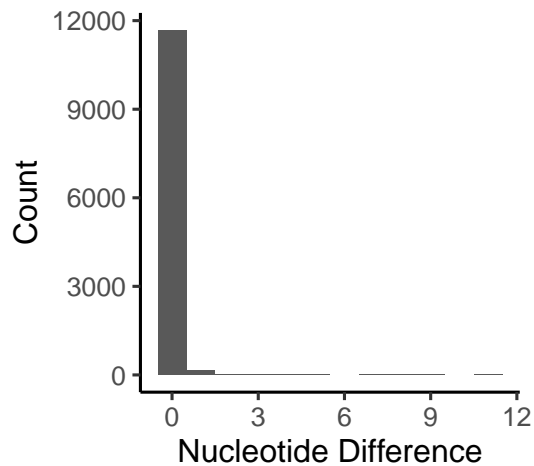
TRBV6-9*ap01

323 sequences assigned
118 (36.5%) exact matches, in which:
115 unique CDR3
12 unique J



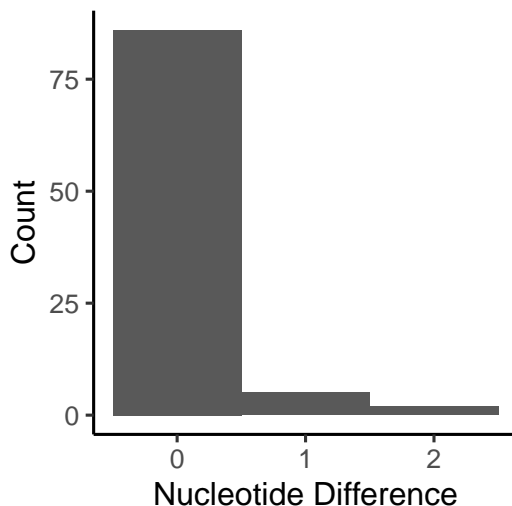
TRBV6-23*ap01

11860 sequences assigned
11678 (98.5%) exact matches, in which:
11238 unique CDR3
13 unique J



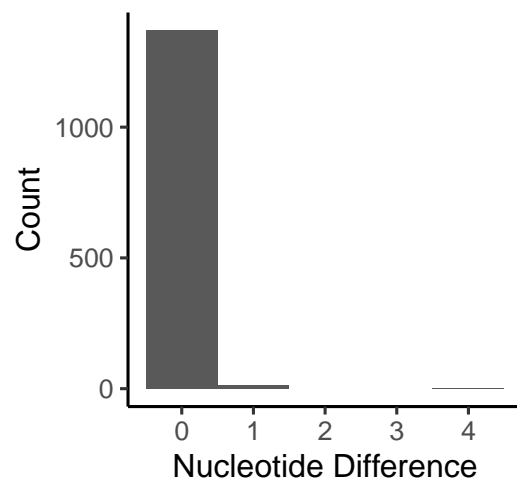
TRBV7-1*ap01_G291C_T

93 sequences assigned
86 (92.5%) exact matches, in which:
85 unique CDR3
11 unique J



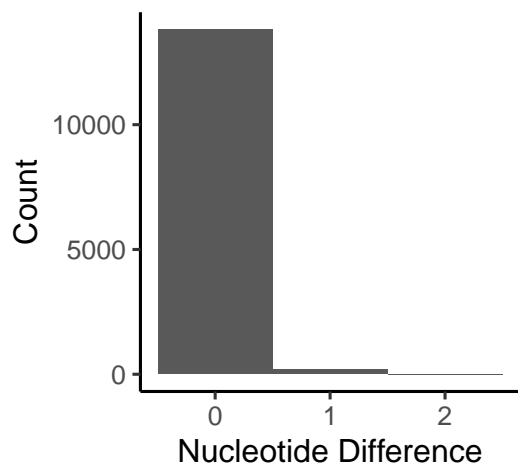
TRBV7-3*ap02

1385 sequences assigned
1370 (98.9%) exact matches, in which:
1344 unique CDR3
13 unique J



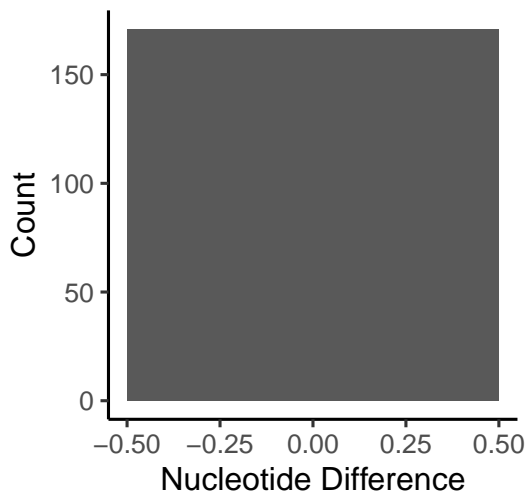
TRBV6-56*ap01

14005 sequences assigned
13815 (98.6%) exact matches, in which:
13344 unique CDR3
13 unique J



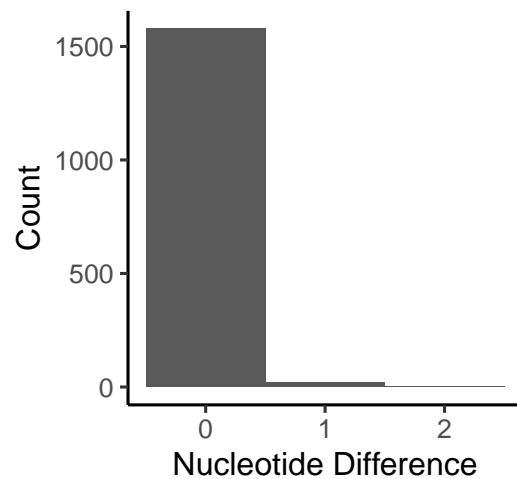
TRBV7-1*ap01_G291C_

171 sequences assigned
171 (100%) exact matches, in which:
171 unique CDR3
13 unique J



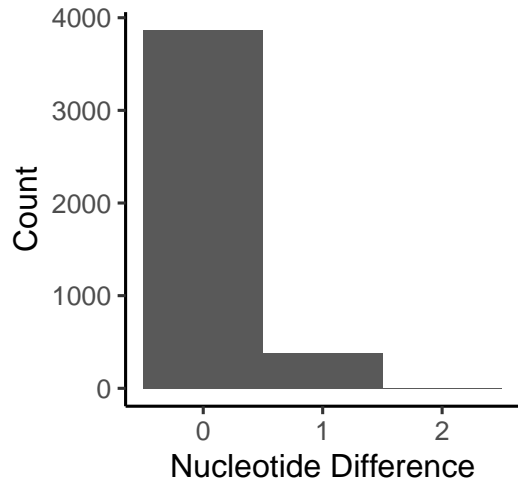
TRBV7-3*ap03

1599 sequences assigned
1578 (98.7%) exact matches, in which:
1543 unique CDR3
13 unique J



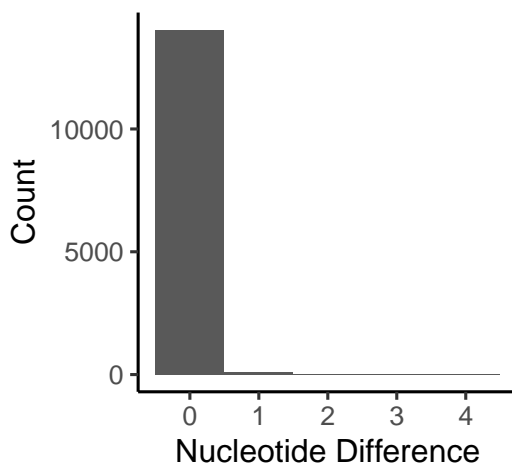
TRBV6-56*ap02

4252 sequences assigned
3867 (90.9%) exact matches, in which:
3728 unique CDR3
13 unique J



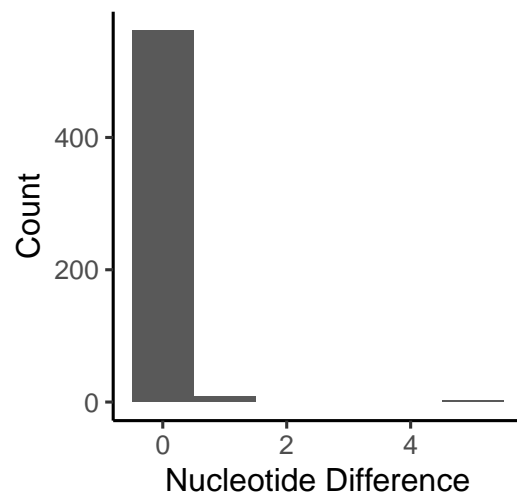
TRBV7-2*ap01

14145 sequences assigned
14039 (99.3%) exact matches, in which:
13798 unique CDR3
13 unique J



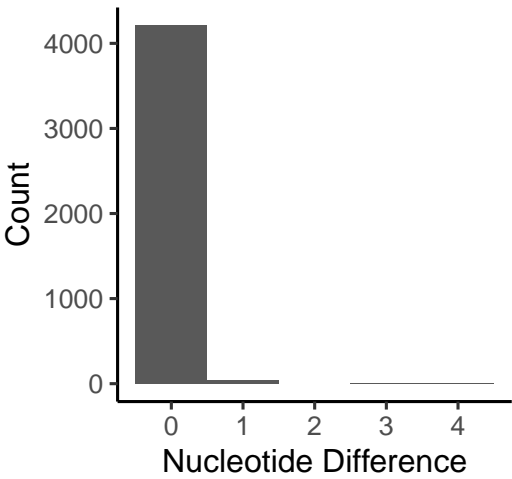
TRBV7-4*ap01

572 sequences assigned
562 (98.3%) exact matches, in which:
543 unique CDR3
13 unique J



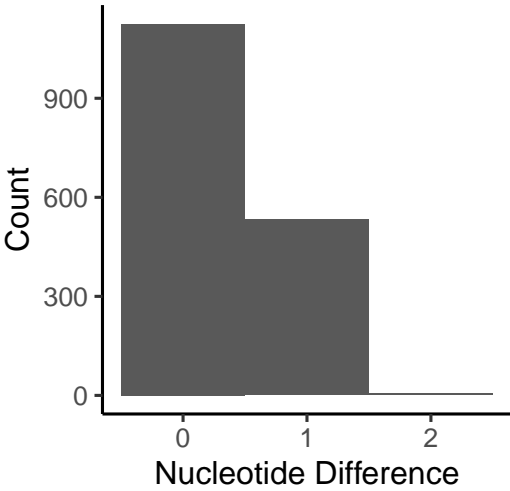
TRBV7-6*ap01

4254 sequences assigned
4211 (99%) exact matches, in which:
4140 unique CDR3
13 unique J



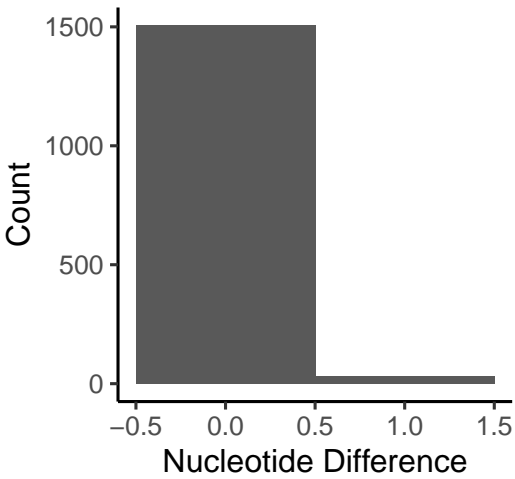
TRBV7-8*ap03

1665 sequences assigned
1126 (67.6%) exact matches, in which:
1104 unique CDR3
13 unique J



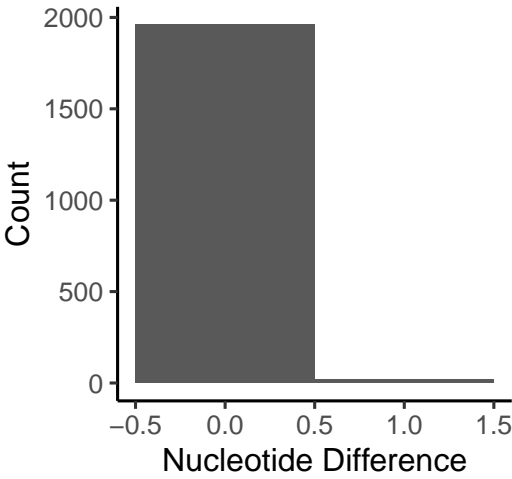
TRBV29-1*ap02

1539 sequences assigned
1506 (97.9%) exact matches, in which:
1468 unique CDR3
13 unique J



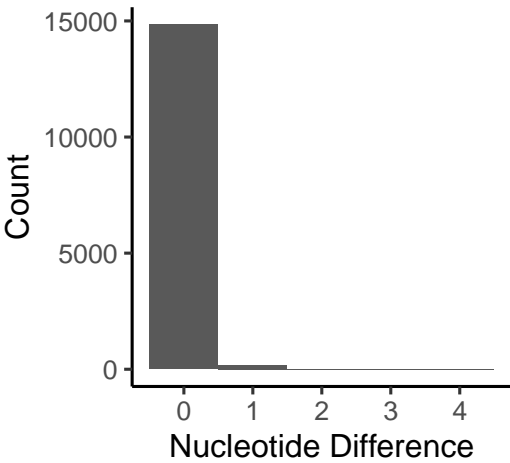
TRBV7-7*ap01

1979 sequences assigned
1960 (99%) exact matches, in which:
1920 unique CDR3
13 unique J



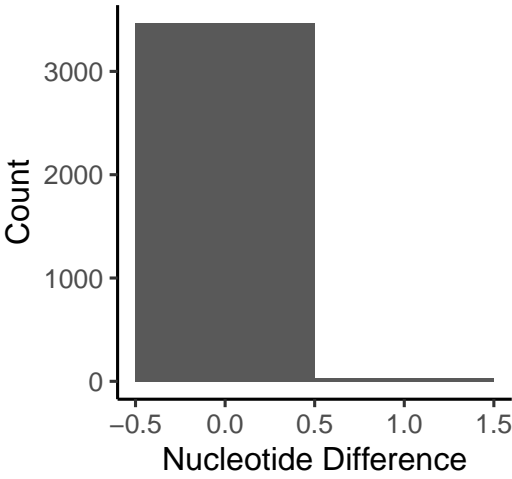
TRBV7-9*ap01

15028 sequences assigned
14847 (98.8%) exact matches, in which:
14542 unique CDR3
13 unique J



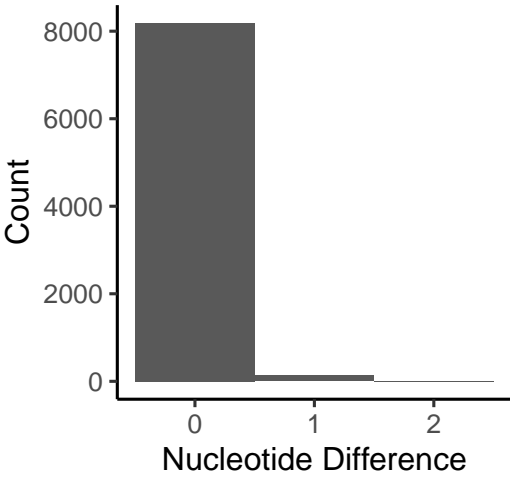
TRBV7-8*ap01

3501 sequences assigned
3468 (99.1%) exact matches, in which:
3410 unique CDR3
13 unique J

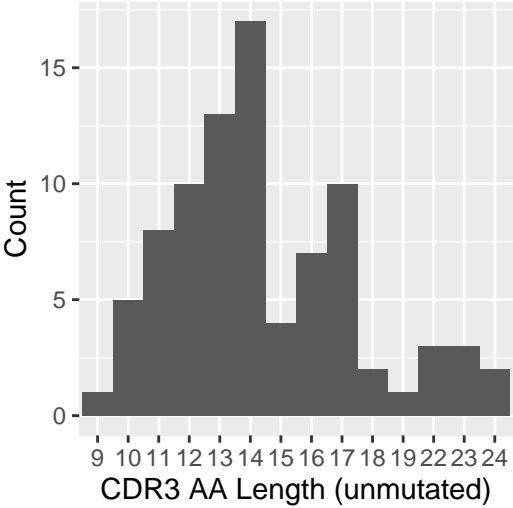


TRBV29-1*ap01

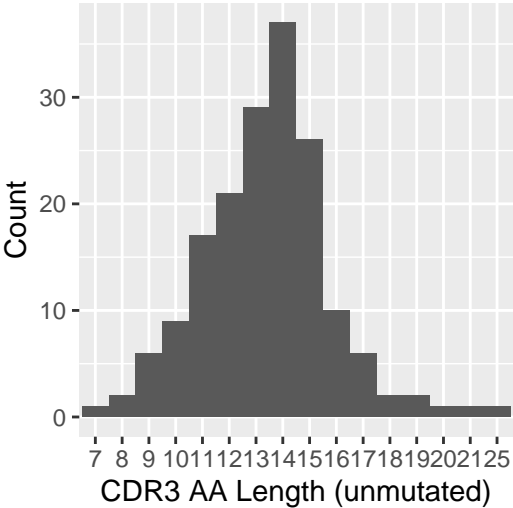
8320 sequences assigned
8186 (98.4%) exact matches, in which:
7918 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]