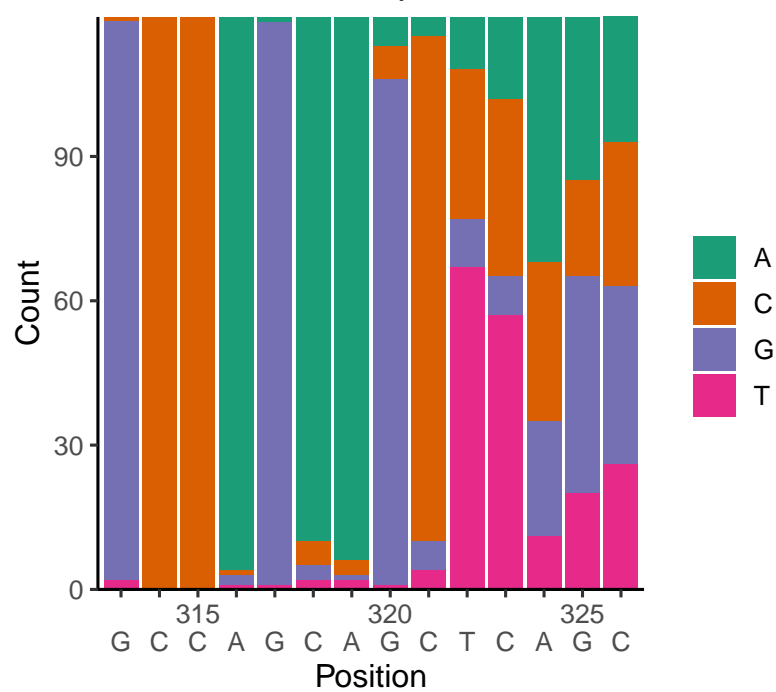
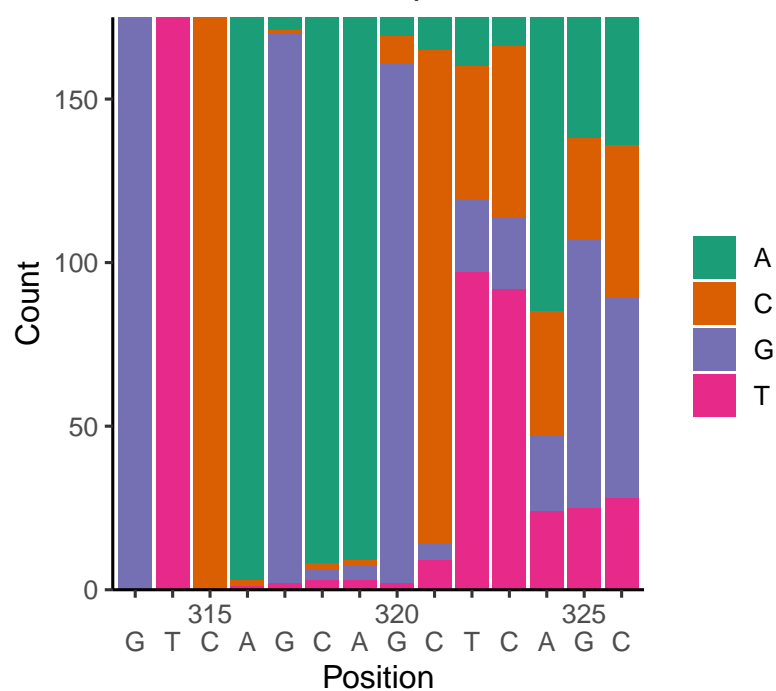


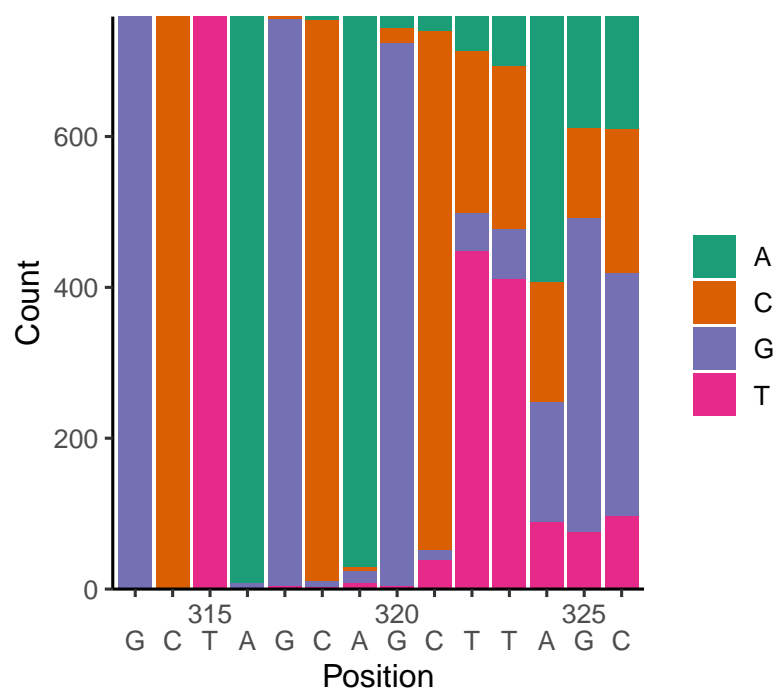
Gene TRBV7-1*ap01_G291C_T296C



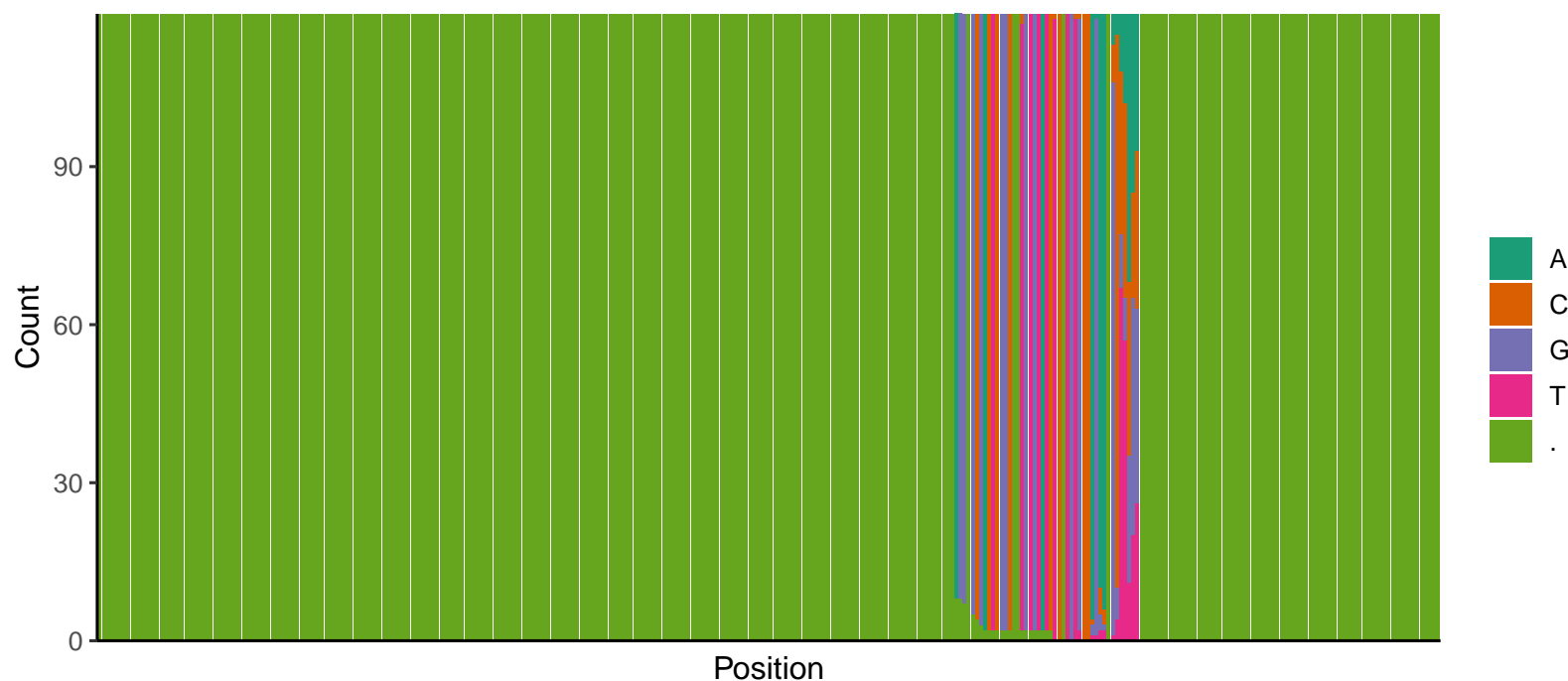
Gene TRBV7-1*ap01_G291C_T296C_C314T



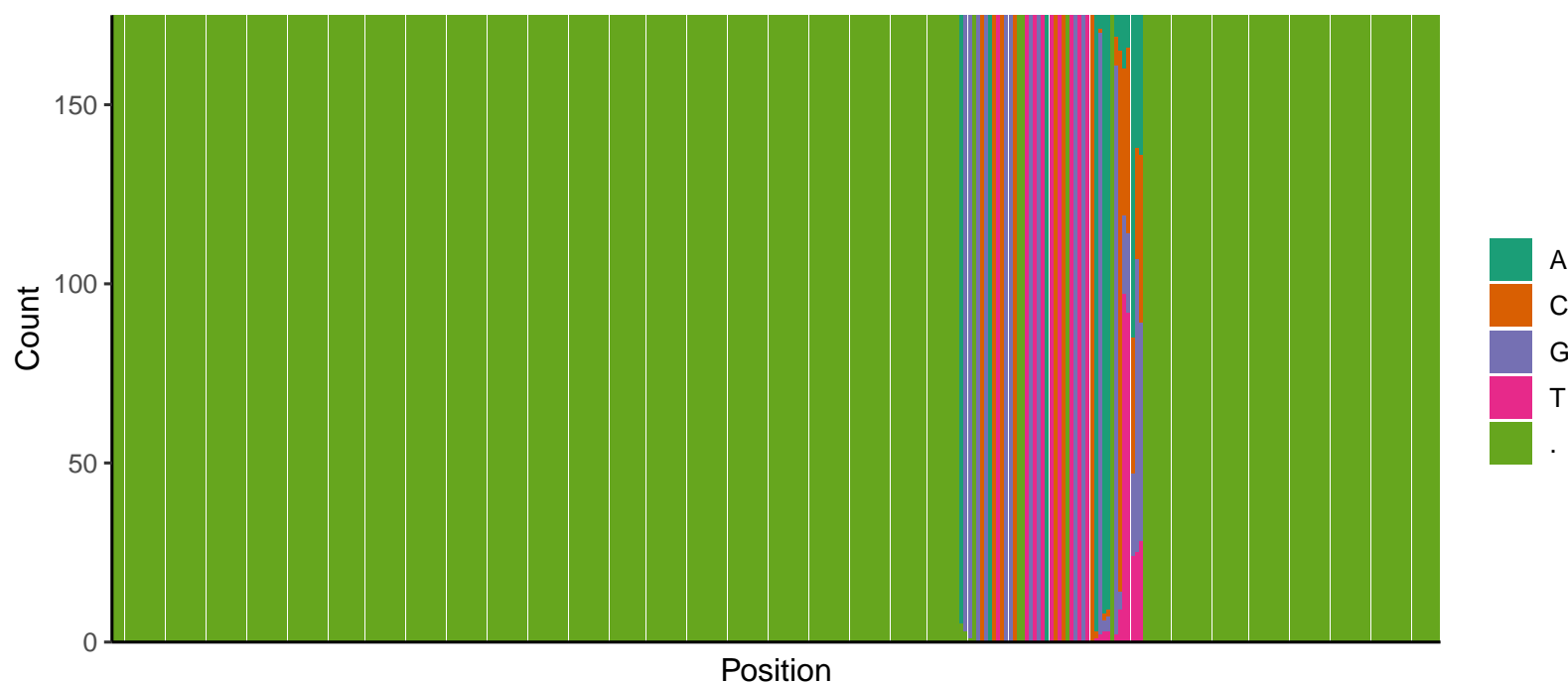
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



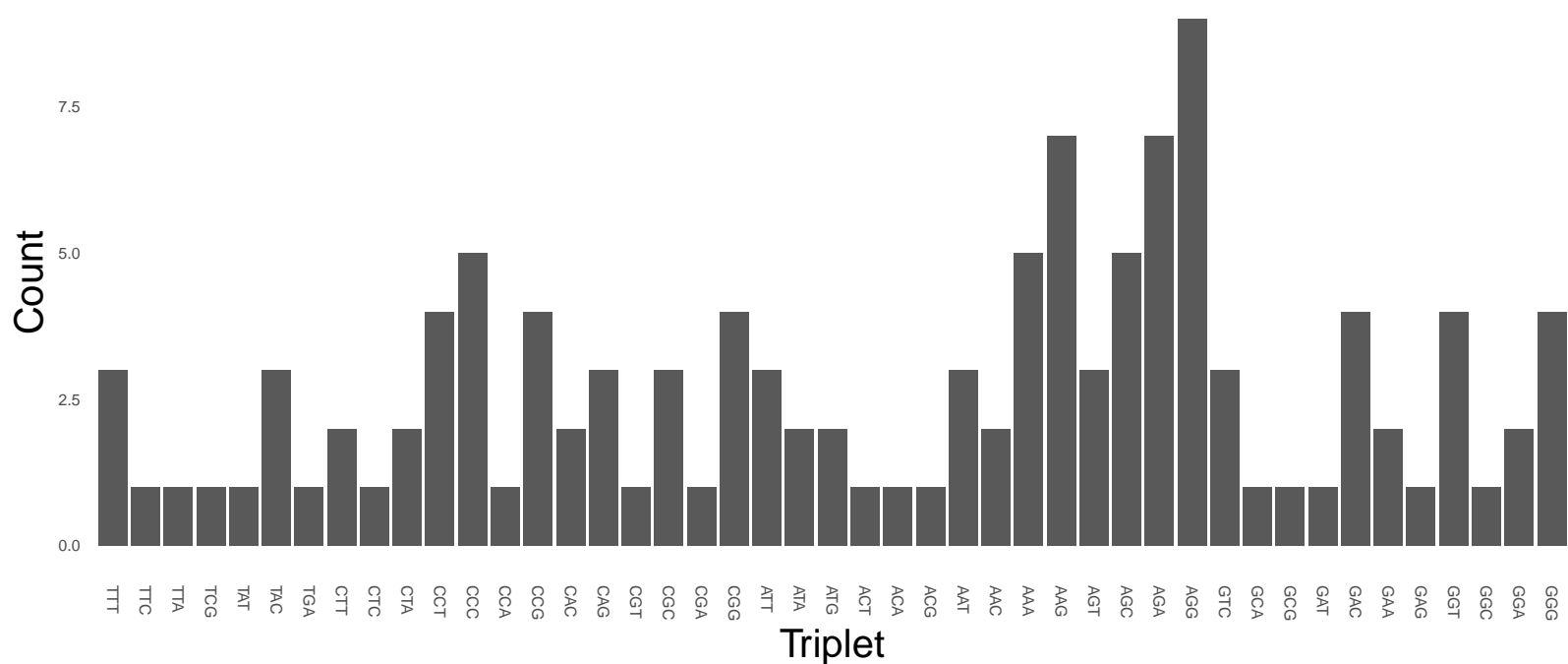
Gene TRBV7-1*ap01_G291C_T296C_C314T



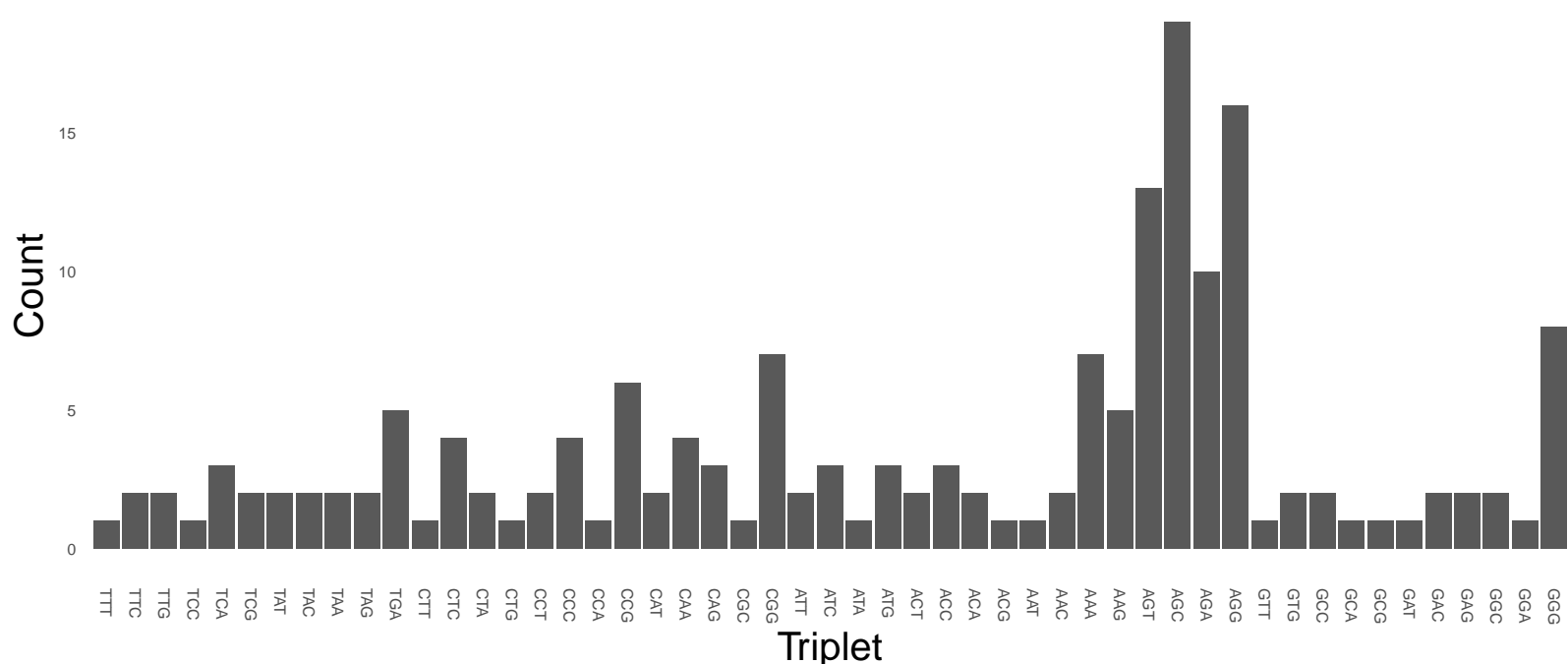
Gene TRBV7-7*ap01_C315T



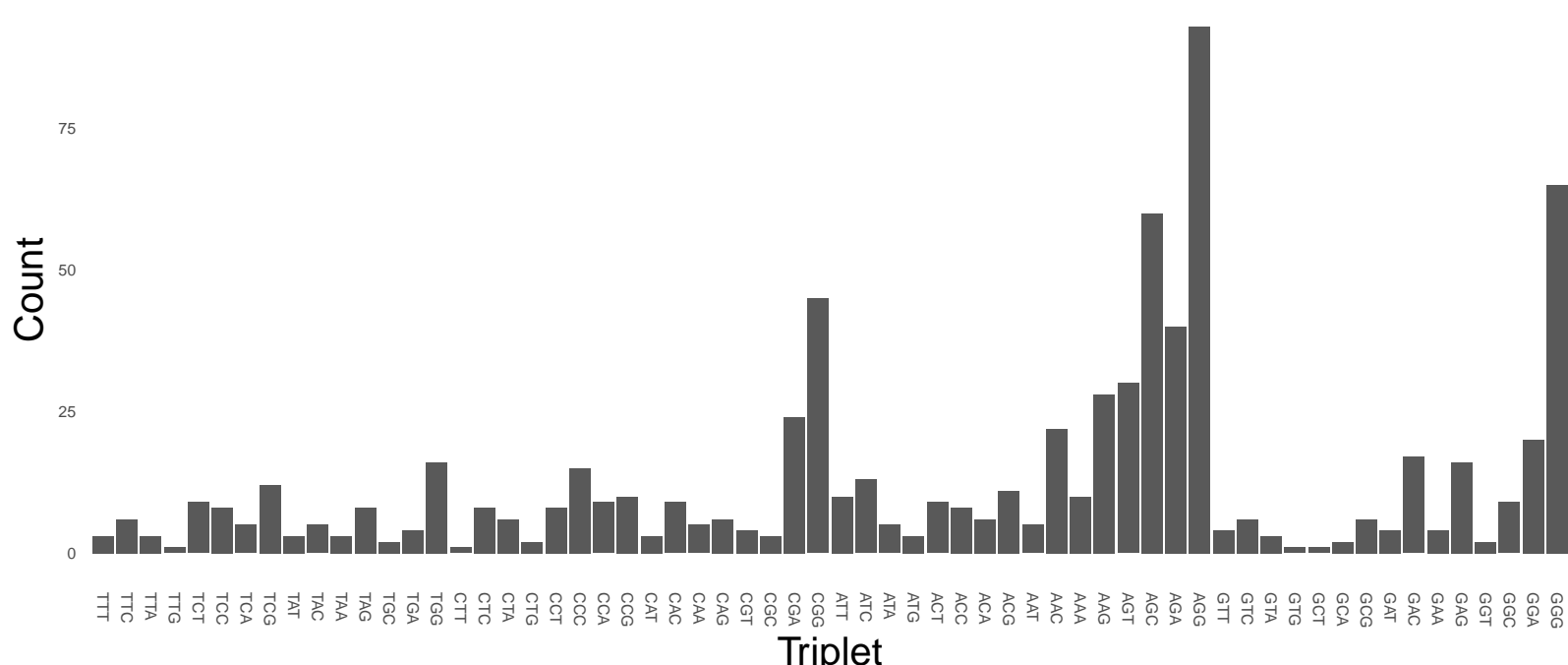
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

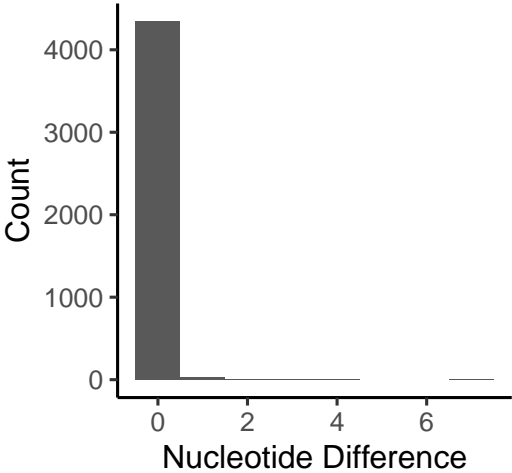


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



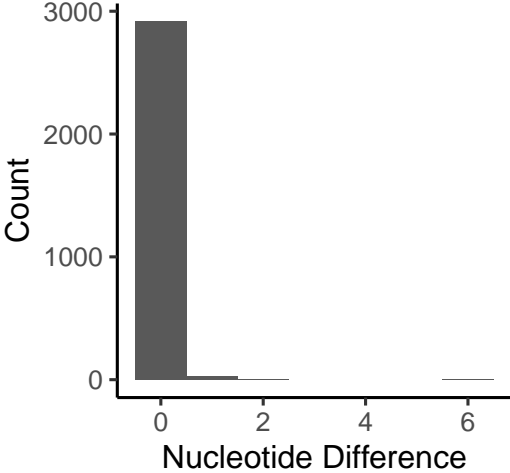
TRBV10-1*ap01

4388 sequences assigned
4344 (99%) exact matches, in which:
4186 unique CDR3
13 unique J



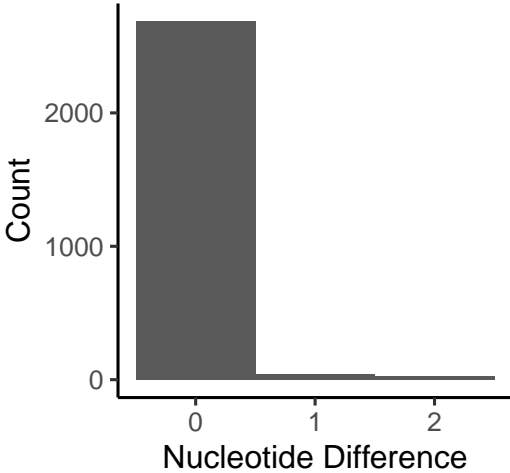
TRBV10-2*ap01

2946 sequences assigned
2917 (99%) exact matches, in which:
2835 unique CDR3
13 unique J



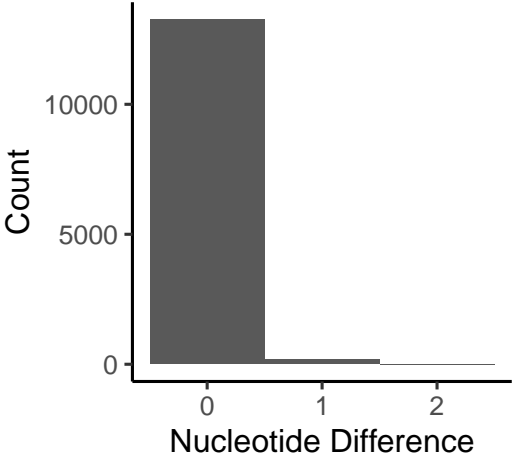
TRBV13*ap01

2754 sequences assigned
2686 (97.5%) exact matches, in which:
2585 unique CDR3
13 unique J



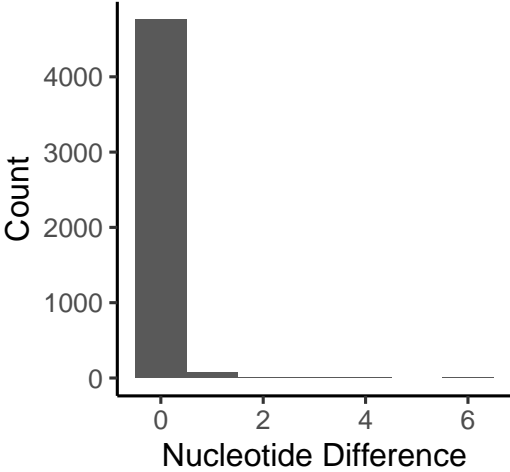
TRBV20-1*ap01

13440 sequences assigned
13264 (98.7%) exact matches, in which:
12940 unique CDR3
13 unique J



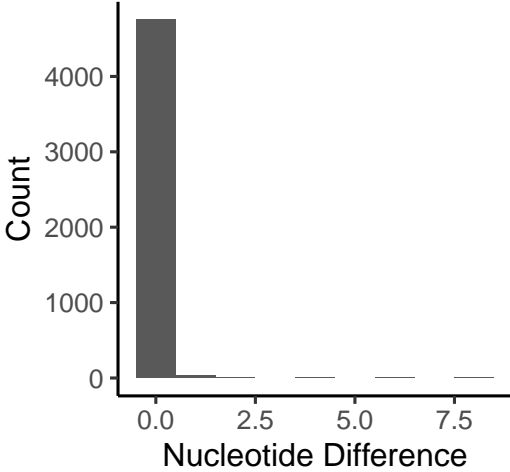
TRBV10-3*ap01

4838 sequences assigned
4758 (98.3%) exact matches, in which:
4620 unique CDR3
13 unique J



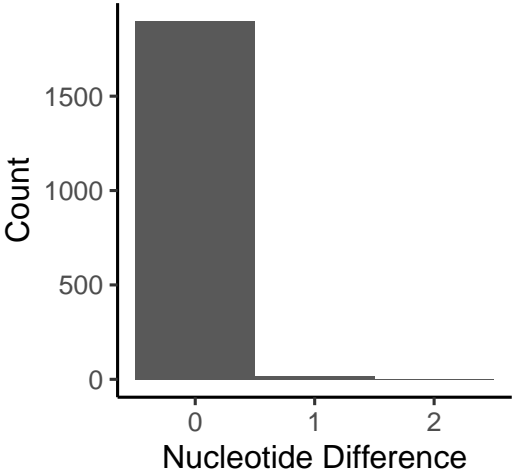
TRBV14*ap01

4789 sequences assigned
4752 (99.2%) exact matches, in which:
4650 unique CDR3
13 unique J



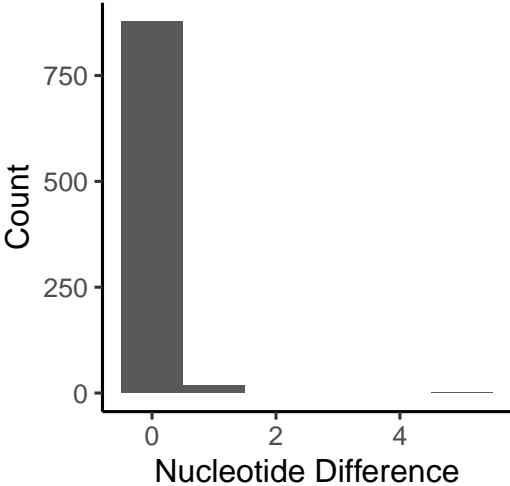
TRBV20-1*ap02

1918 sequences assigned
1898 (99%) exact matches, in which:
1854 unique CDR3
13 unique J



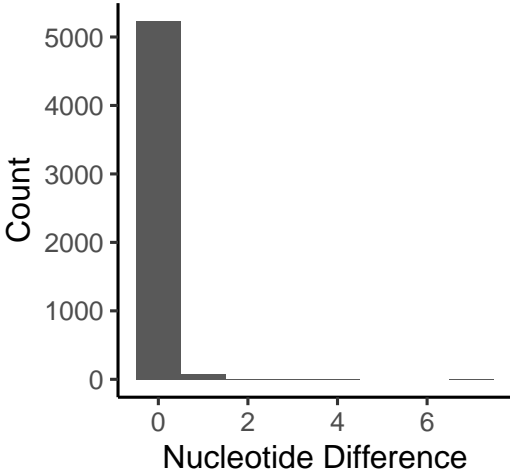
TRBV1*ap01

897 sequences assigned
878 (97.9%) exact matches, in which:
846 unique CDR3
13 unique J



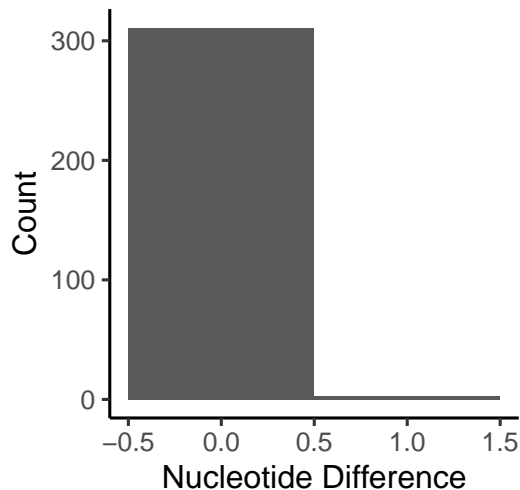
TRBV15*ap02

5315 sequences assigned
5233 (98.5%) exact matches, in which:
5057 unique CDR3
13 unique J



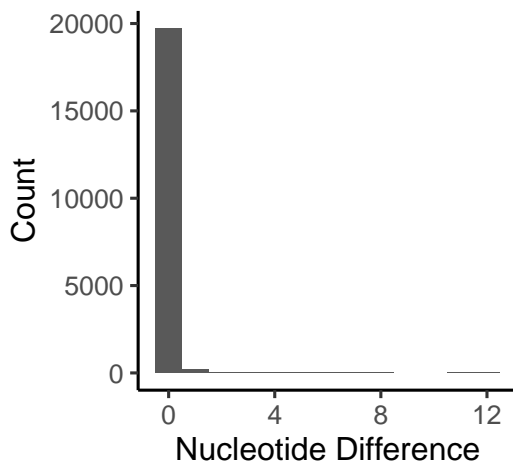
TRBV16*ap01

314 sequences assigned
311 (99%) exact matches, in which:
309 unique CDR3
13 unique J



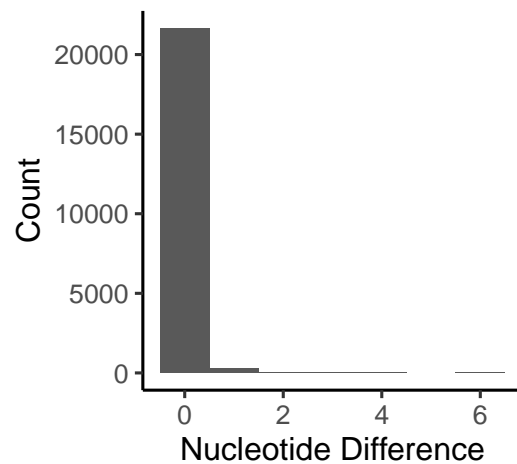
TRBV19*ap01

19944 sequences assigned
19735 (99%) exact matches, in which:
19413 unique CDR3
13 unique J



TRBV27*ap01

21943 sequences assigned
21659 (98.7%) exact matches, in which:
20879 unique CDR3
13 unique J



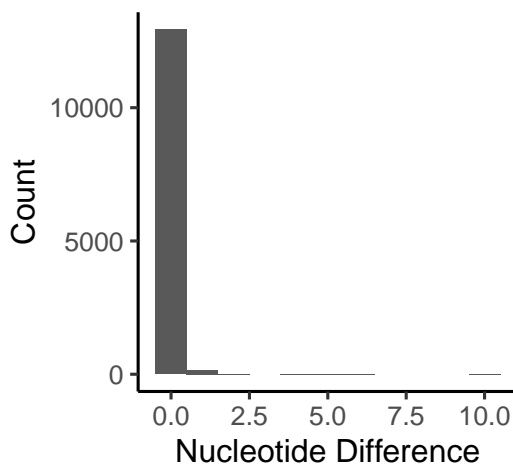
TRBV17*ap01

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



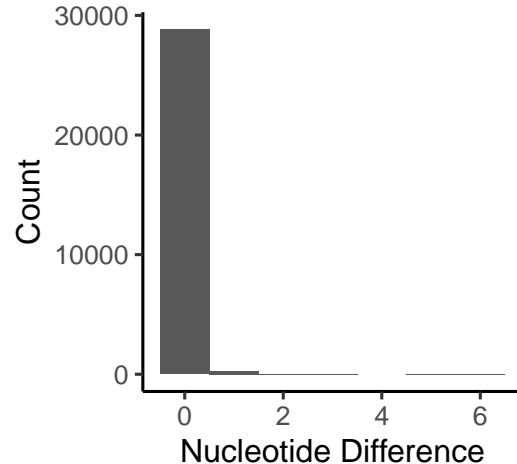
TRBV2*ap01

13114 sequences assigned
12935 (98.6%) exact matches, in which:
12537 unique CDR3
13 unique J



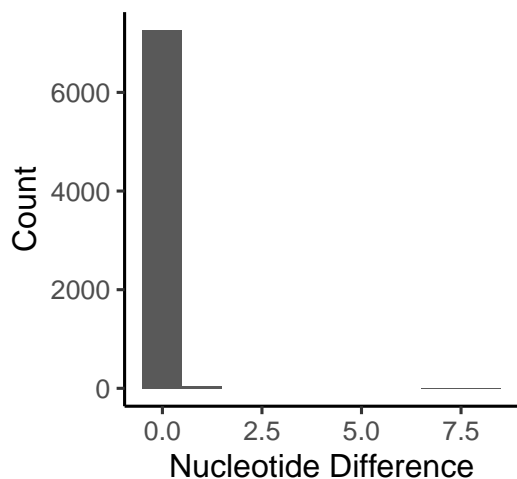
TRBV28*ap01

29107 sequences assigned
28824 (99%) exact matches, in which:
28150 unique CDR3
13 unique J



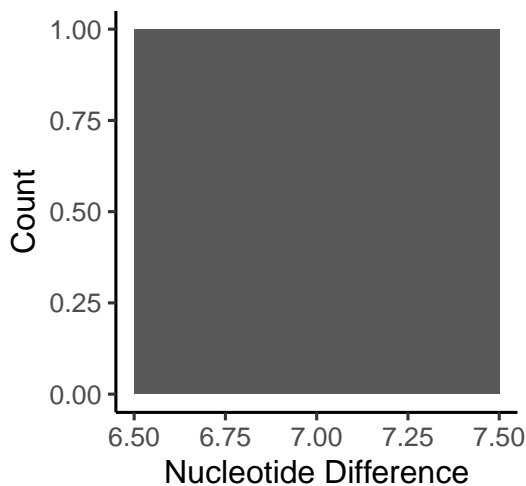
TRBV18*ap01

7316 sequences assigned
7264 (99.3%) exact matches, in which:
7164 unique CDR3
13 unique J



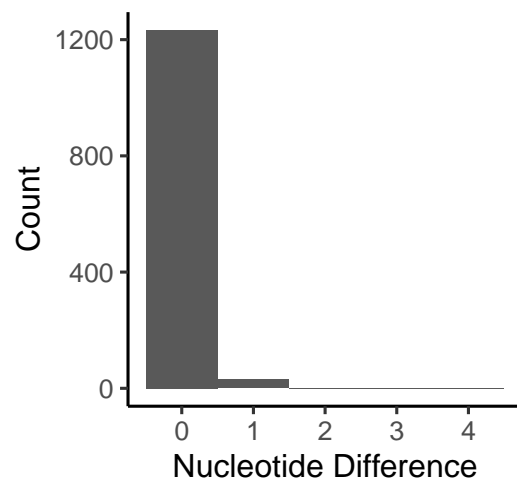
TRBV26*ap01

1 sequences assigned
No exact matches.



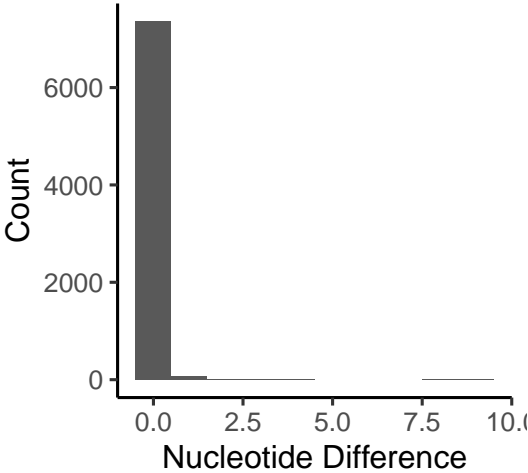
TRBV30*ap02

1267 sequences assigned
1233 (97.3%) exact matches, in which:
1204 unique CDR3
13 unique J



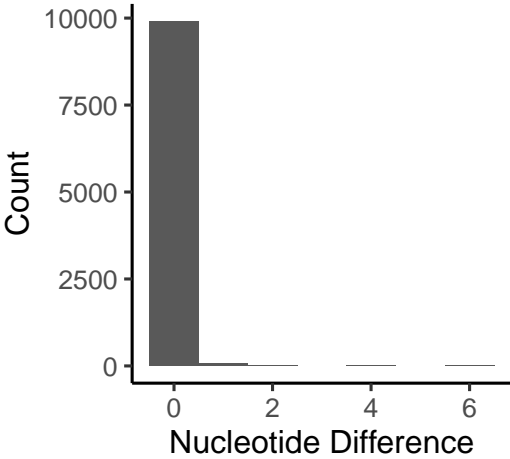
TRBV9*ap01

7444 sequences assigned
7359 (98.9%) exact matches, in which:
7177 unique CDR3
13 unique J



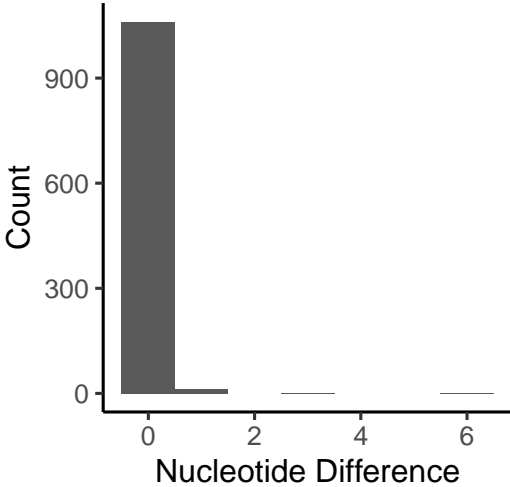
TRBV11-2*ap01

9997 sequences assigned
9912 (99.1%) exact matches, in which:
9666 unique CDR3
13 unique J



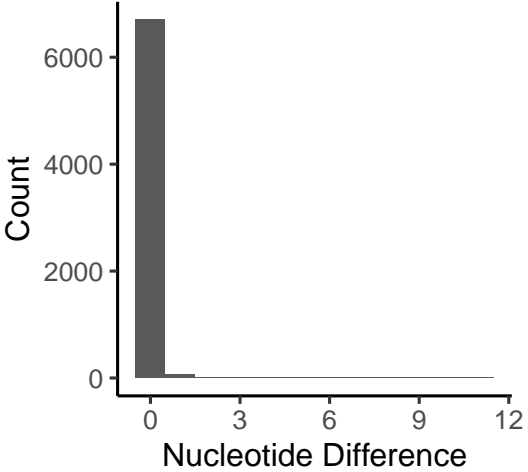
TRBV12-2*ap01

1075 sequences assigned
1061 (98.7%) exact matches, in which:
1033 unique CDR3
13 unique J



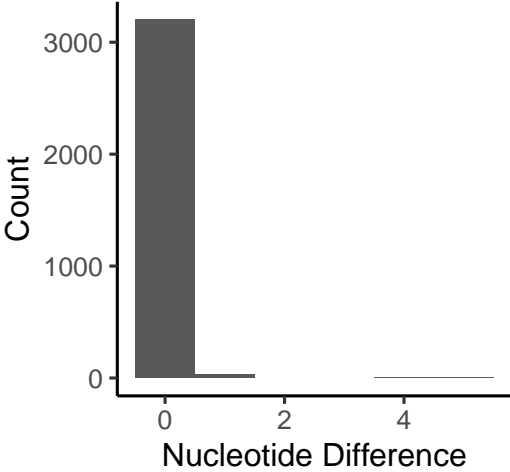
TRBV21-1*ap01

6811 sequences assigned
6702 (98.4%) exact matches, in which:
6598 unique CDR3
13 unique J



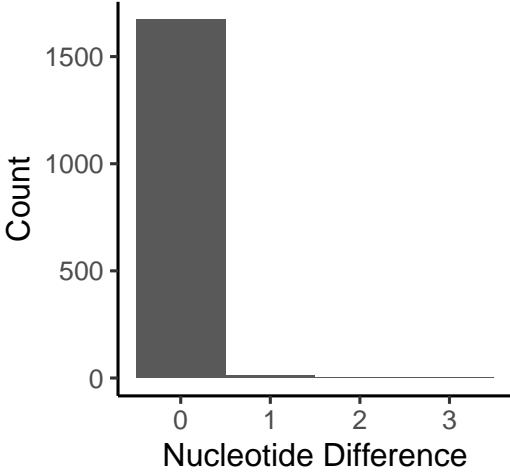
TRBV11-3*ap01

3231 sequences assigned
3201 (99.1%) exact matches, in which:
3142 unique CDR3
13 unique J



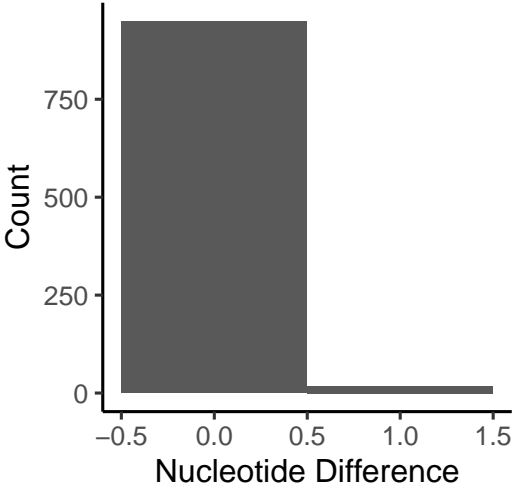
TRBV12-5*ap01

1686 sequences assigned
1672 (99.2%) exact matches, in which:
1642 unique CDR3
13 unique J



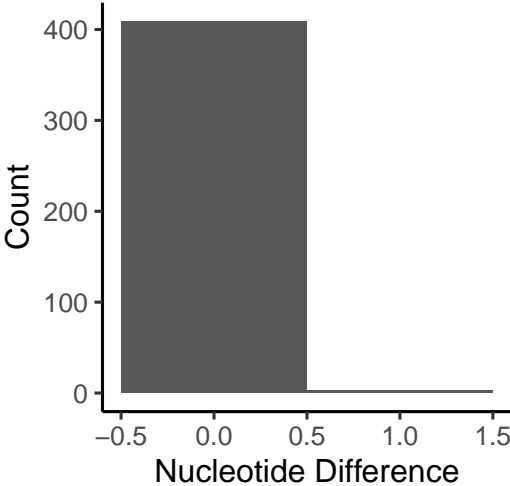
TRBV11-1*ap01

967 sequences assigned
949 (98.1%) exact matches, in which:
929 unique CDR3
13 unique J



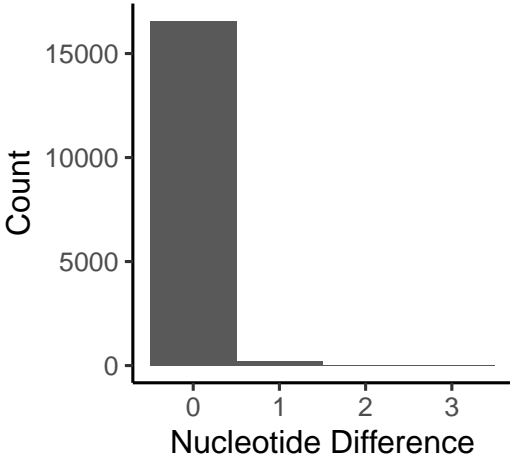
TRBV12-1*ap01

412 sequences assigned
409 (99.3%) exact matches, in which:
398 unique CDR3
13 unique J



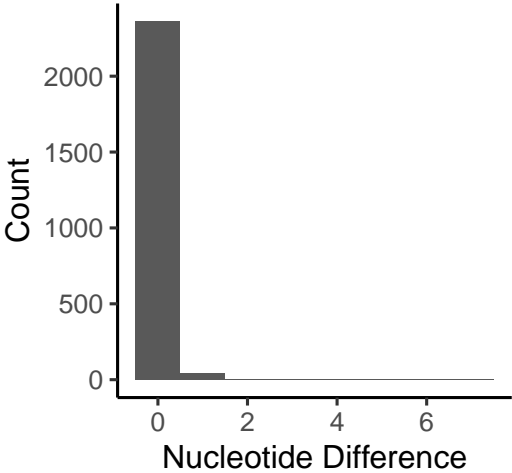
TRBV12-34*ap01

16791 sequences assigned
16574 (98.7%) exact matches, in which:
16136 unique CDR3
13 unique J



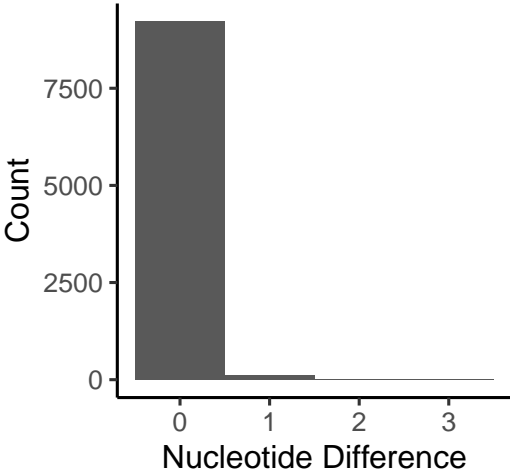
TRBV23-1*ap01

2409 sequences assigned
2361 (98%) exact matches, in which:
2313 unique CDR3
13 unique J



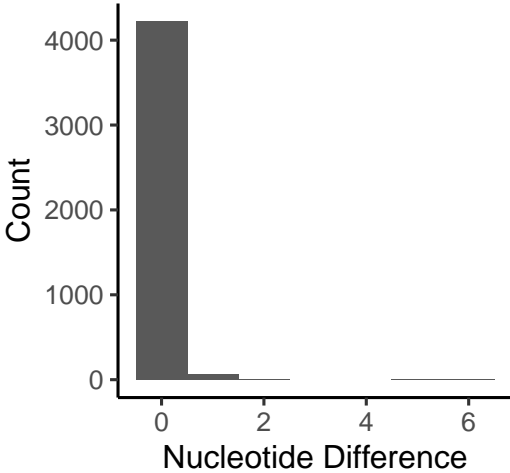
TRBV4-1*ap01

9339 sequences assigned
9221 (98.7%) exact matches, in which:
8873 unique CDR3
13 unique J



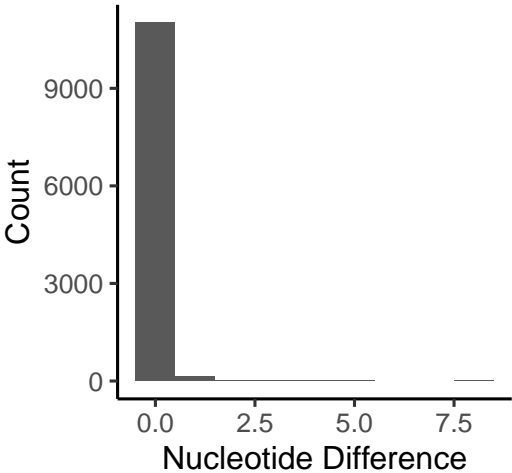
TRBV25-1*ap01

4293 sequences assigned
4221 (98.3%) exact matches, in which:
4101 unique CDR3
13 unique J



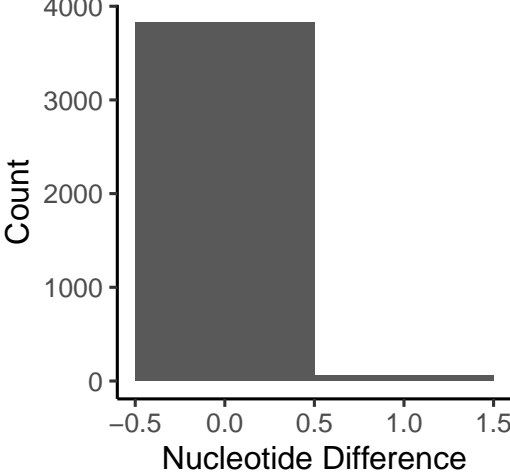
TRBV3-12*ap01

11162 sequences assigned
11017 (98.7%) exact matches, in which:
10639 unique CDR3
13 unique J



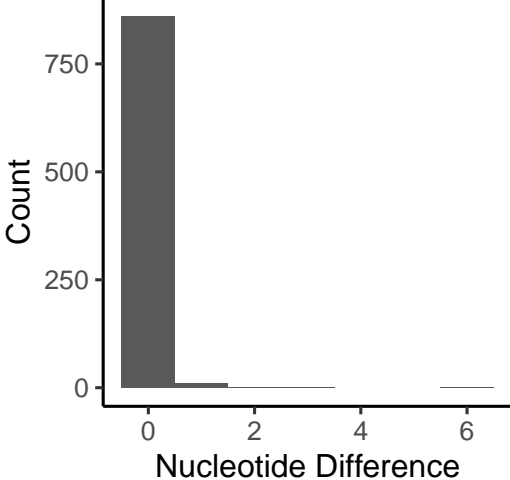
TRBV4-2*ap01

3886 sequences assigned
3824 (98.4%) exact matches, in which:
3695 unique CDR3
13 unique J



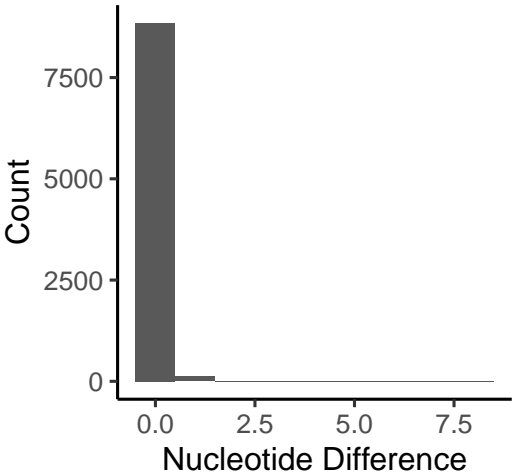
TRBV5-3*ap01

877 sequences assigned
861 (98.2%) exact matches, in which:
842 unique CDR3
13 unique J



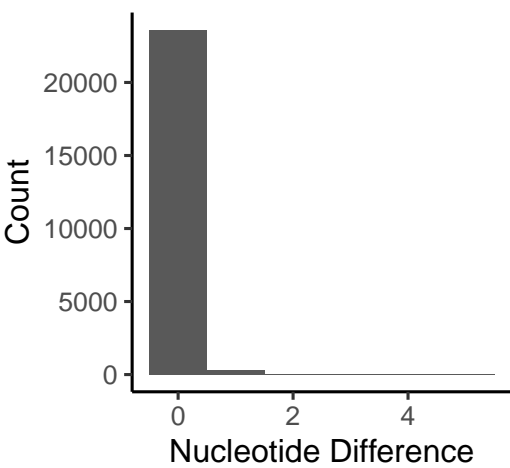
TRBV24-1*ap01

8982 sequences assigned
8846 (98.5%) exact matches, in which:
8629 unique CDR3
13 unique J



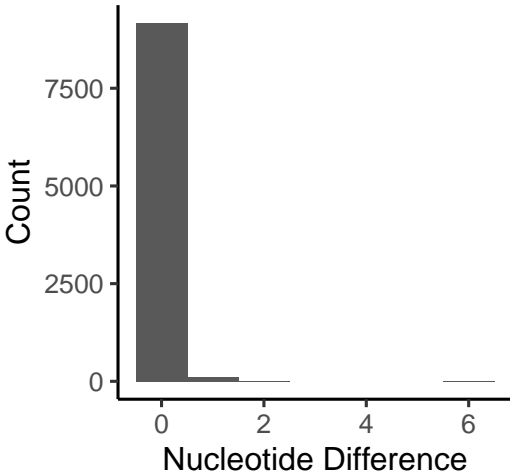
TRBV5-1*ap01

23935 sequences assigned
23607 (98.6%) exact matches, in which:
22797 unique CDR3
13 unique J



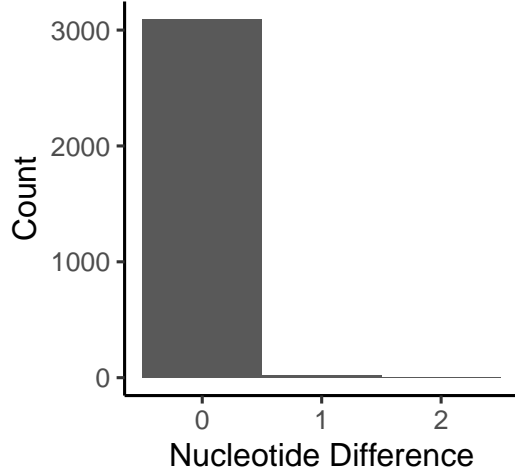
TRBV5-4*ap01

9288 sequences assigned
9169 (98.7%) exact matches, in which:
8870 unique CDR3
13 unique J



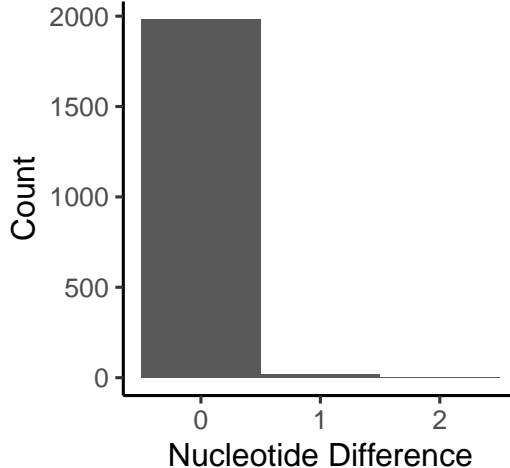
TRBV5-5*ap01

3119 sequences assigned
3092 (99.1%) exact matches, in which:
3056 unique CDR3
13 unique J



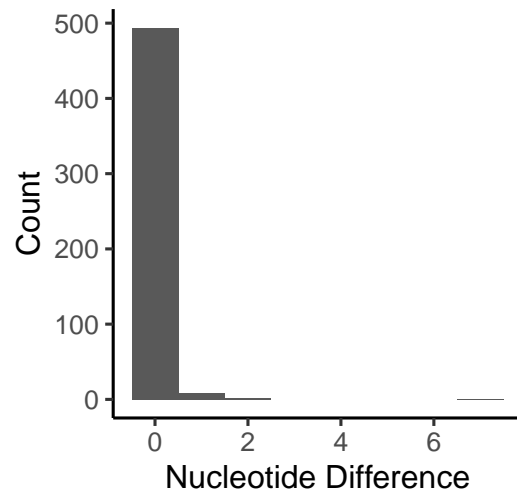
TRBV5-8*ap01

2006 sequences assigned
1982 (98.8%) exact matches, in which:
1927 unique CDR3
13 unique J



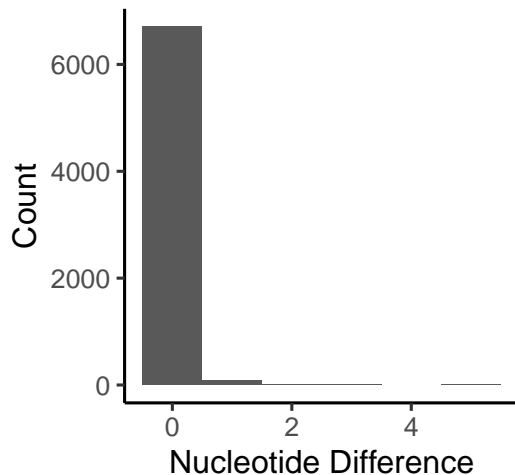
TRBV6-7*ap01

505 sequences assigned
494 (97.8%) exact matches, in which:
476 unique CDR3
13 unique J



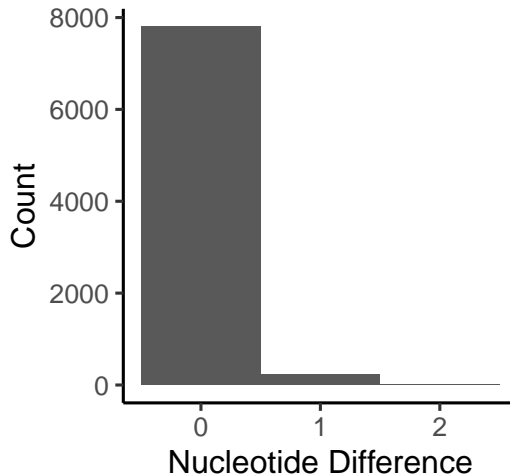
TRBV5-6*ap01

6793 sequences assigned
6706 (98.7%) exact matches, in which:
6447 unique CDR3
13 unique J



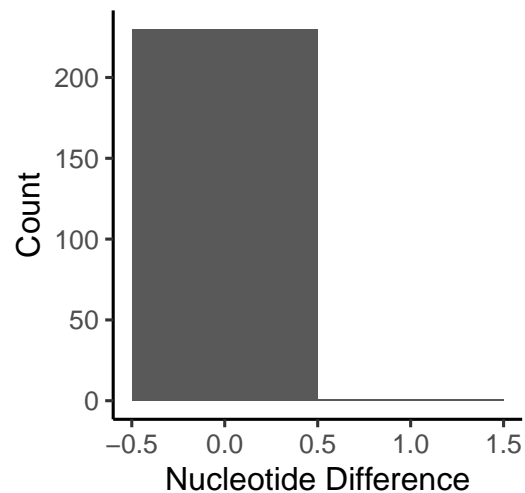
TRBV6-1*ap01

8023 sequences assigned
7800 (97.2%) exact matches, in which:
7537 unique CDR3
13 unique J



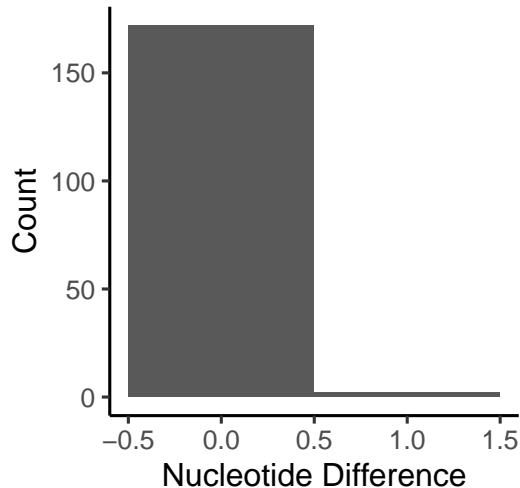
TRBV6-8*ap01

231 sequences assigned
230 (99.6%) exact matches, in which:
223 unique CDR3
13 unique J



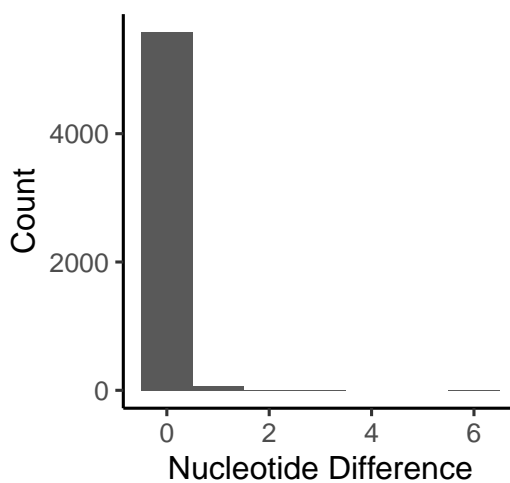
TRBV5-7*ap01

174 sequences assigned
172 (98.9%) exact matches, in which:
168 unique CDR3
13 unique J



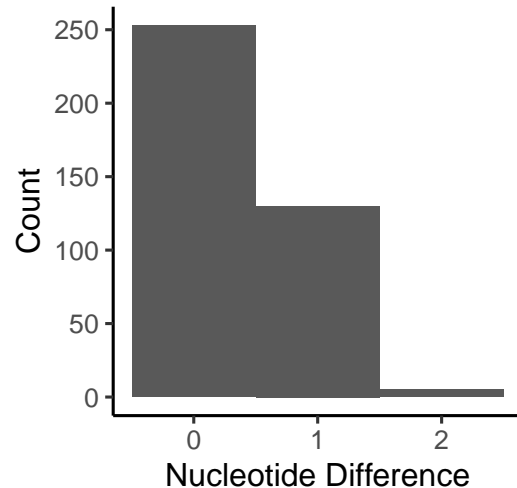
TRBV6-4*ap01

5654 sequences assigned
5584 (98.8%) exact matches, in which:
5478 unique CDR3
13 unique J



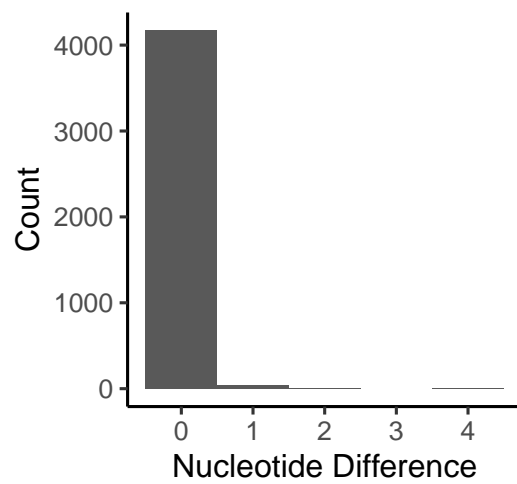
TRBV6-9*ap01

388 sequences assigned
253 (65.2%) exact matches, in which:
241 unique CDR3
13 unique J



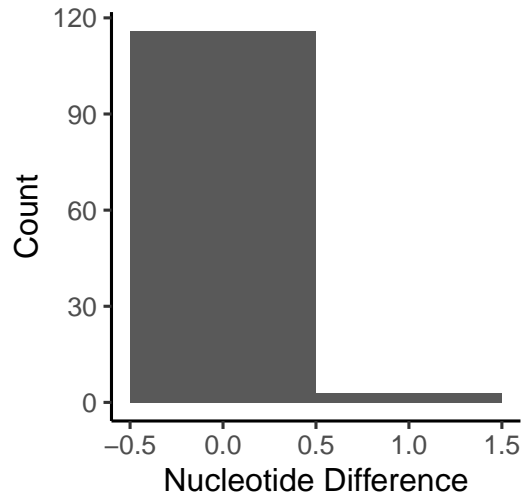
TRBV6-23*ap01

4218 sequences assigned
4171 (98.9%) exact matches, in which:
4023 unique CDR3
13 unique J



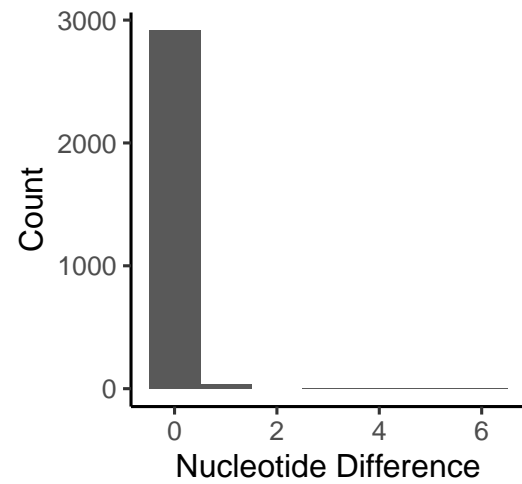
TRBV7-1*ap01_G291C_

119 sequences assigned
116 (97.5%) exact matches, in which:
114 unique CDR3
12 unique J



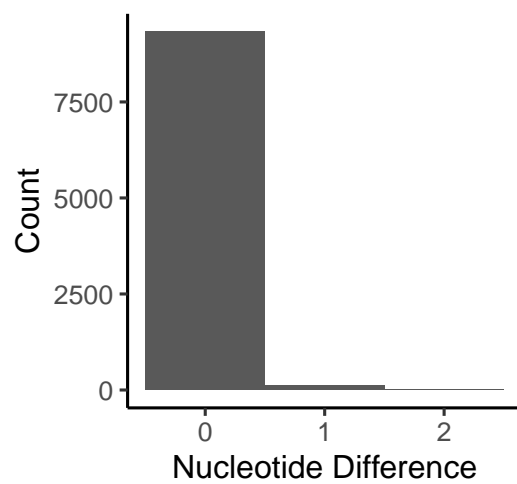
TRBV7-3*ap03

2955 sequences assigned
2916 (98.7%) exact matches, in which:
2844 unique CDR3
13 unique J



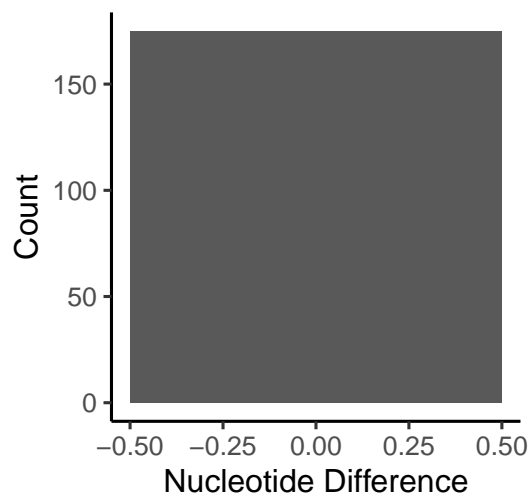
TRBV6-56*ap01

9463 sequences assigned
9328 (98.6%) exact matches, in which:
8998 unique CDR3
13 unique J



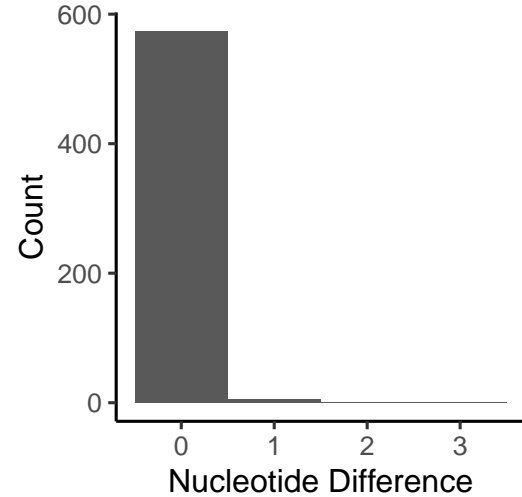
TRBV7-1*ap01_G291C_

175 sequences assigned
175 (100%) exact matches, in which:
170 unique CDR3
13 unique J



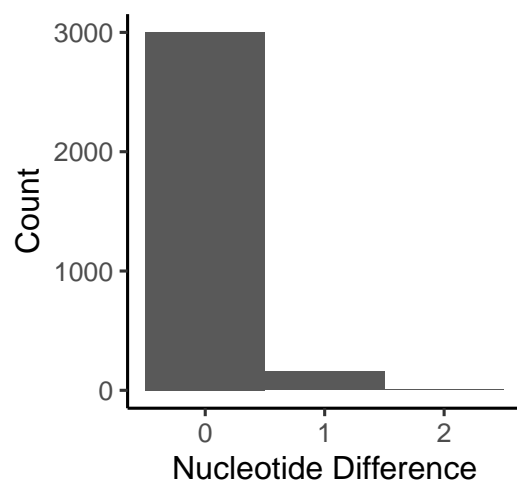
TRBV7-4*ap01

581 sequences assigned
574 (98.8%) exact matches, in which:
557 unique CDR3
13 unique J



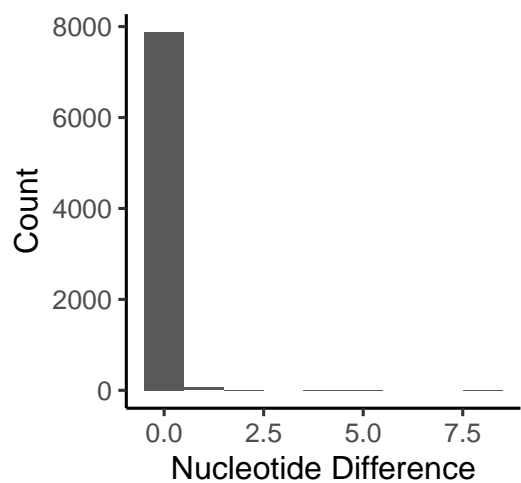
TRBV6-56*ap02

3166 sequences assigned
3003 (94.9%) exact matches, in which:
2908 unique CDR3
13 unique J



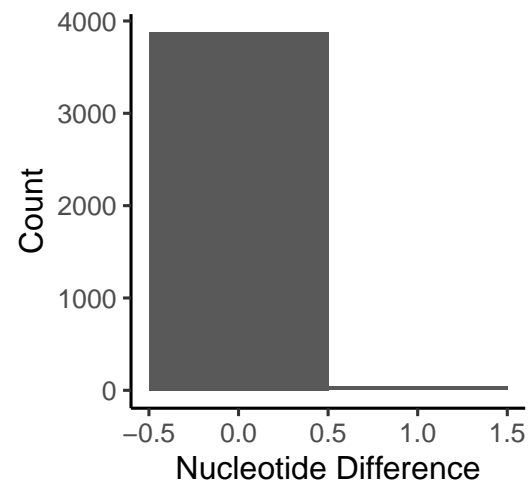
TRBV7-2*ap01

7945 sequences assigned
7880 (99.2%) exact matches, in which:
7679 unique CDR3
13 unique J



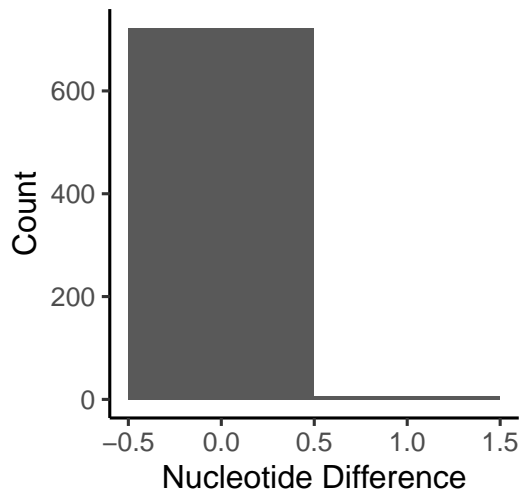
TRBV7-6*ap01

3923 sequences assigned
3880 (98.9%) exact matches, in which:
3768 unique CDR3
13 unique J



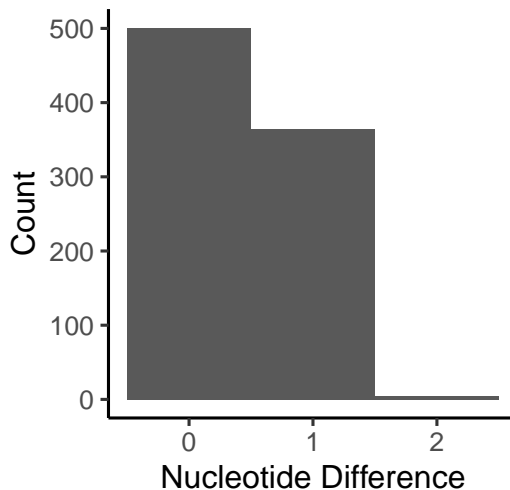
TRBV7-7*ap01

730 sequences assigned
723 (99%) exact matches, in which:
704 unique CDR3
13 unique J



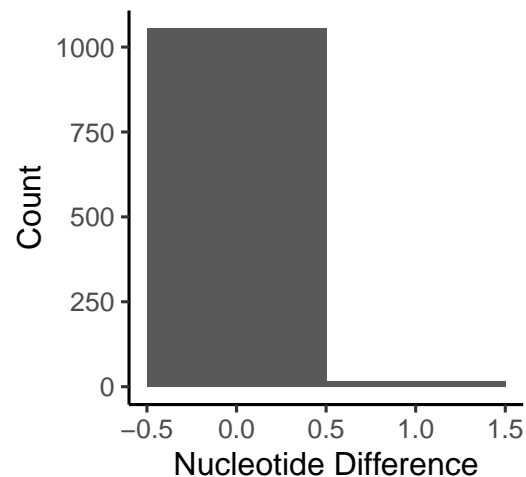
TRBV7-8*ap03

870 sequences assigned
501 (57.6%) exact matches, in which:
483 unique CDR3
13 unique J



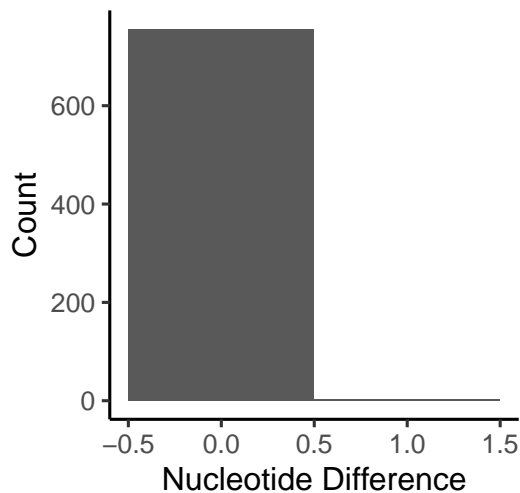
TRBV29-1*ap02

1070 sequences assigned
1055 (98.6%) exact matches, in which:
1027 unique CDR3
13 unique J



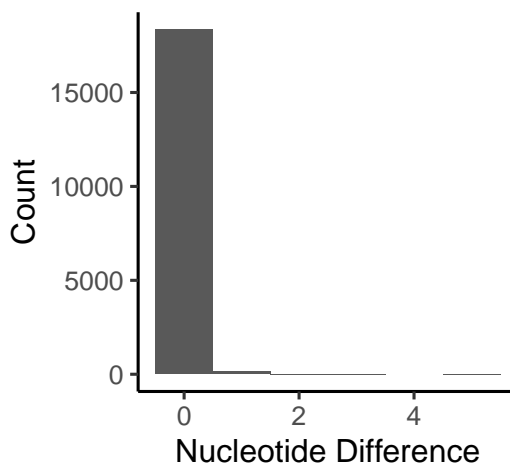
TRBV7-7*ap01_C315T

759 sequences assigned
756 (99.6%) exact matches, in which:
734 unique CDR3
13 unique J



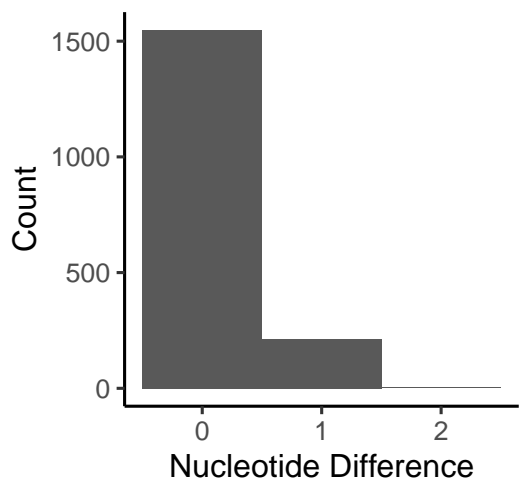
TRBV7-9*ap01

18514 sequences assigned
18355 (99.1%) exact matches, in which:
17965 unique CDR3
13 unique J



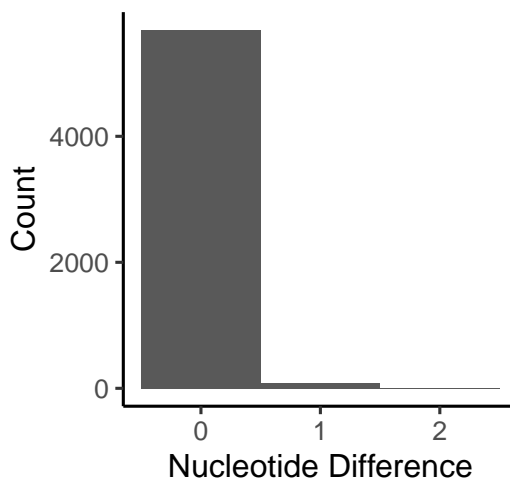
TRBV7-8*ap01

1764 sequences assigned
1548 (87.8%) exact matches, in which:
1495 unique CDR3
13 unique J

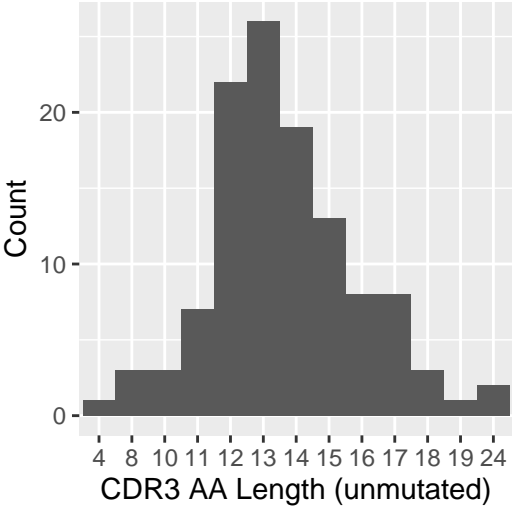


TRBV29-1*ap01

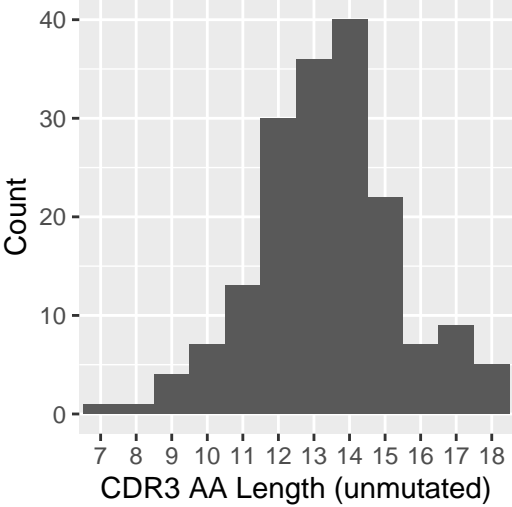
5771 sequences assigned
5687 (98.5%) exact matches, in which:
5520 unique CDR3
13 unique J



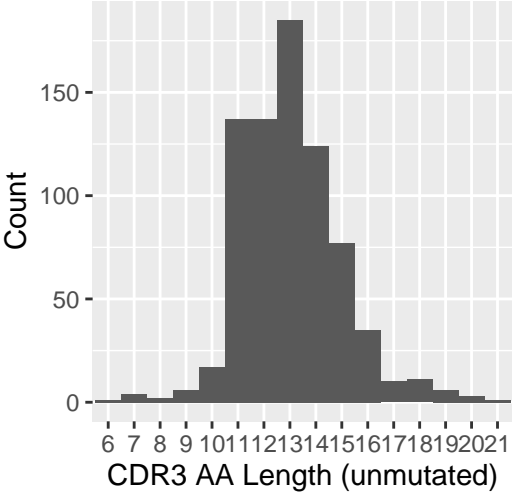
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]