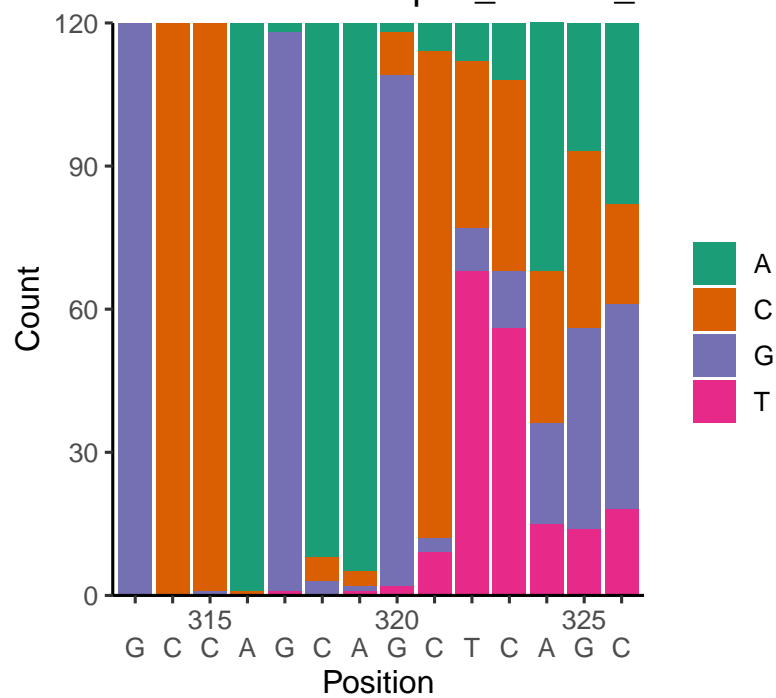
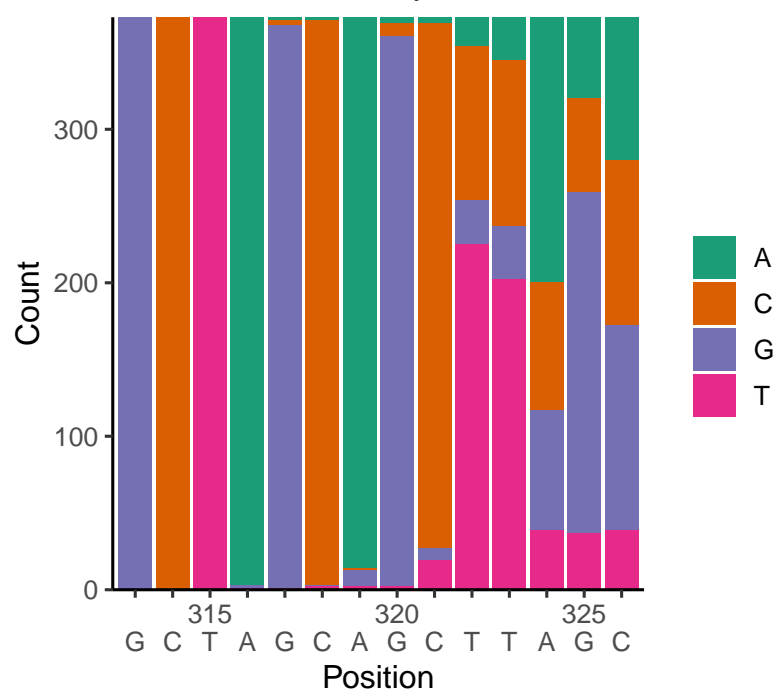


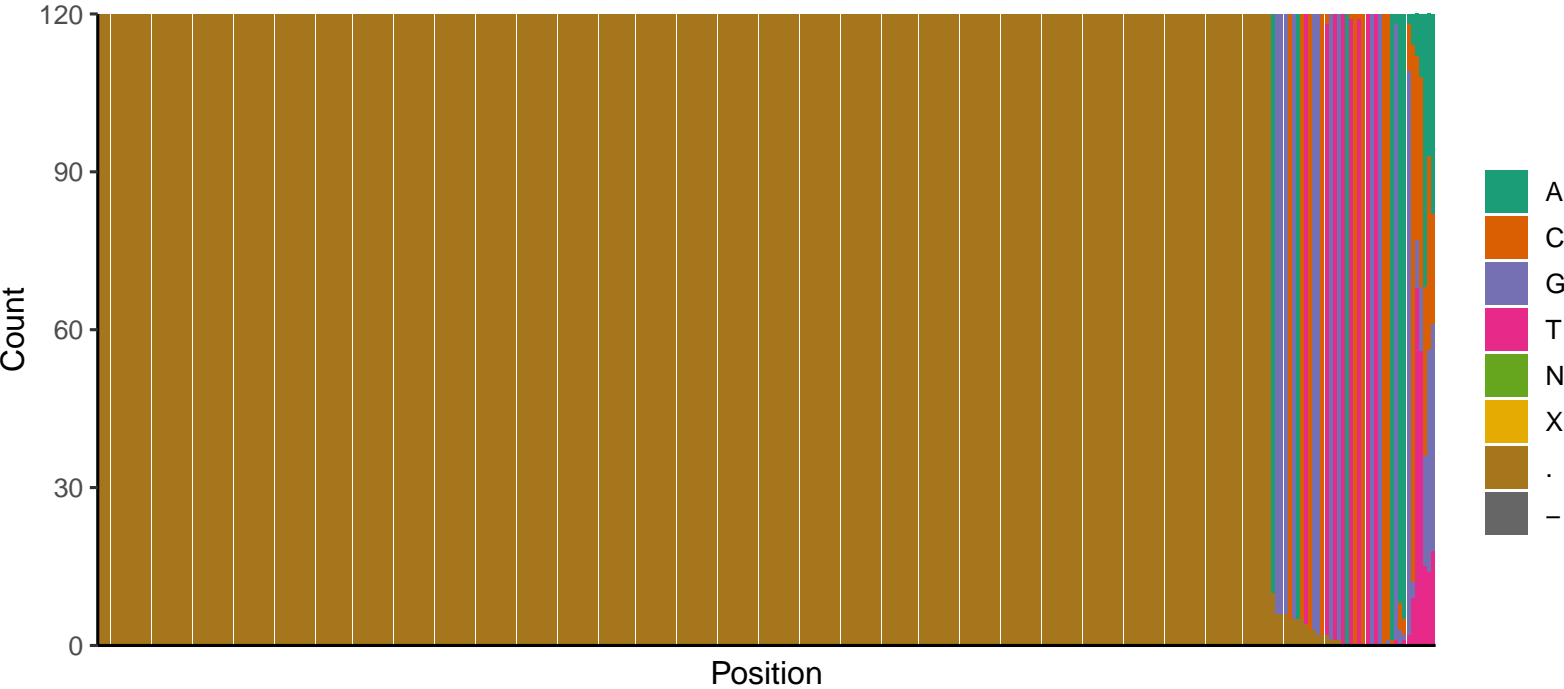
Gene TRBV7-1*ap01_G291C_T296C



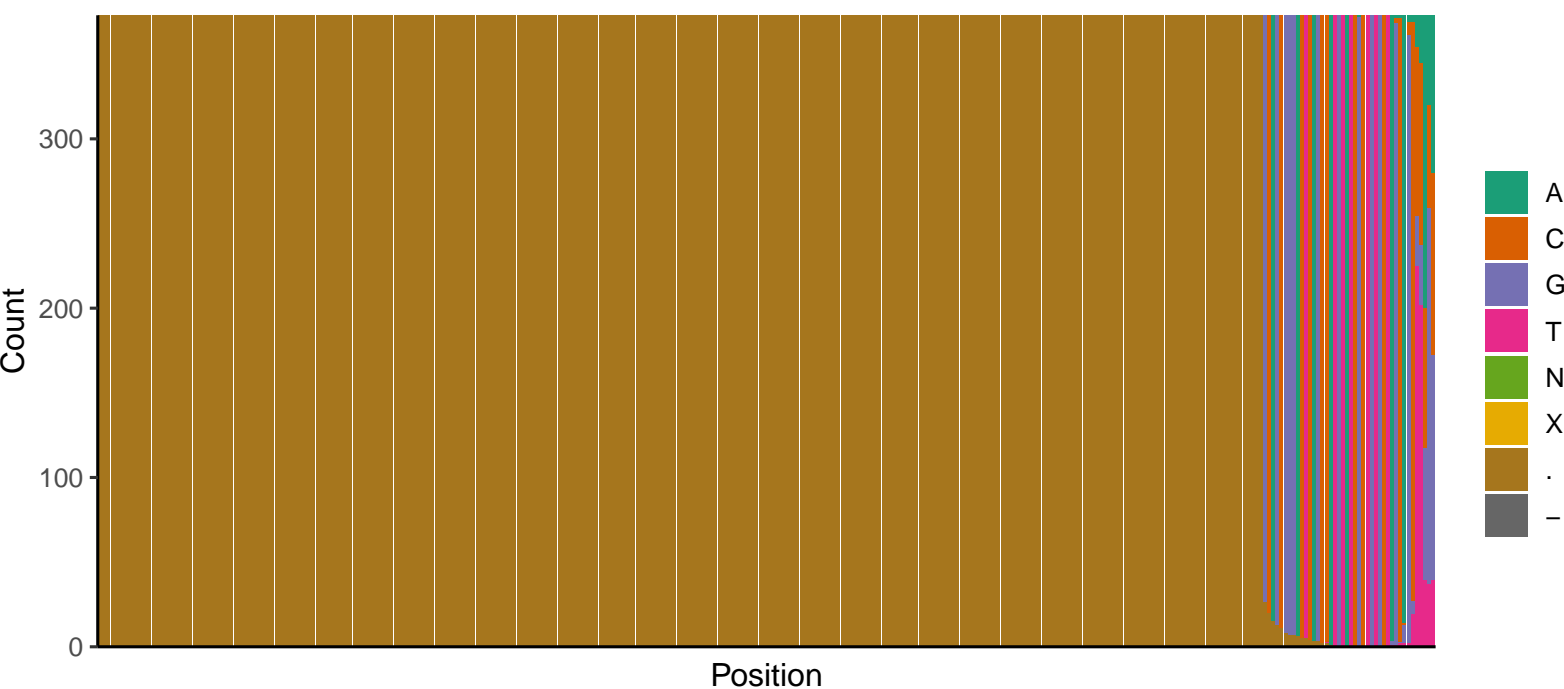
Gene TRBV7-7*ap01_C315T



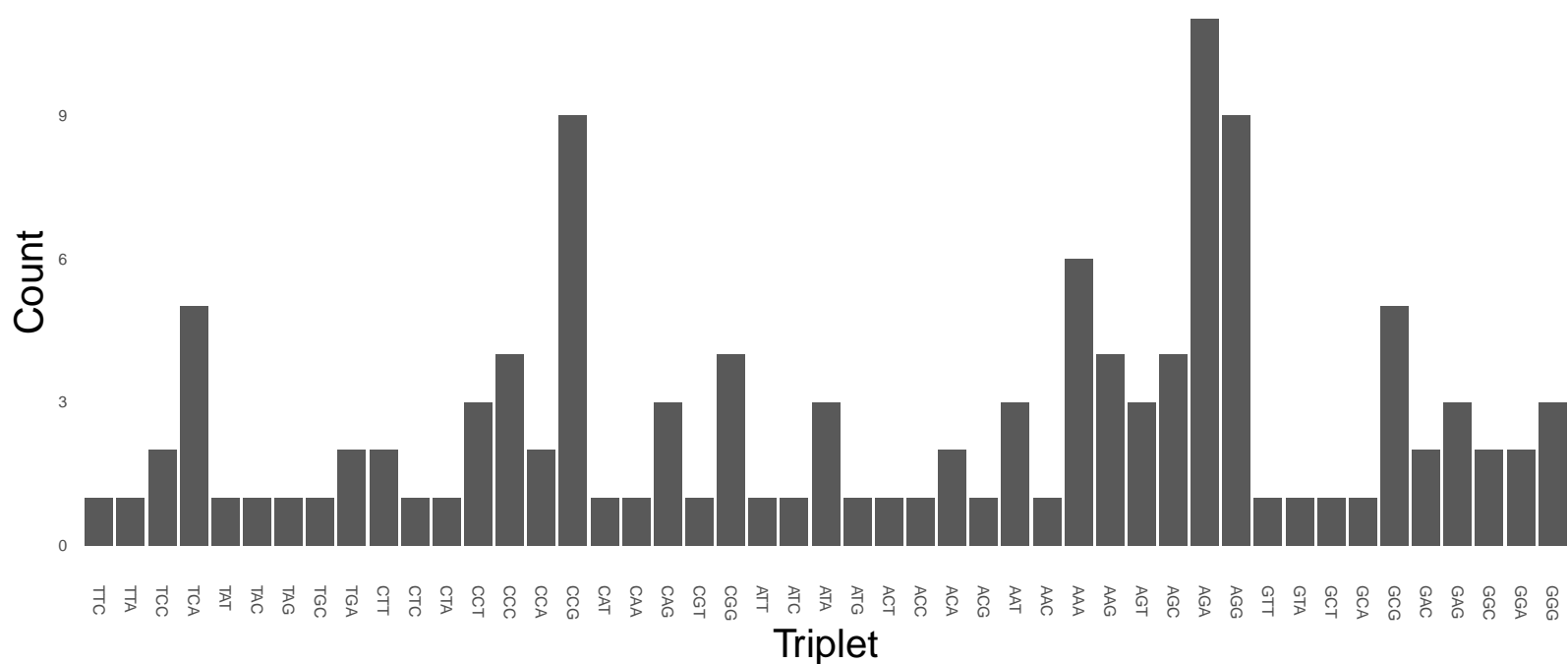
Gene TRBV7-1*ap01_G291C_T296C



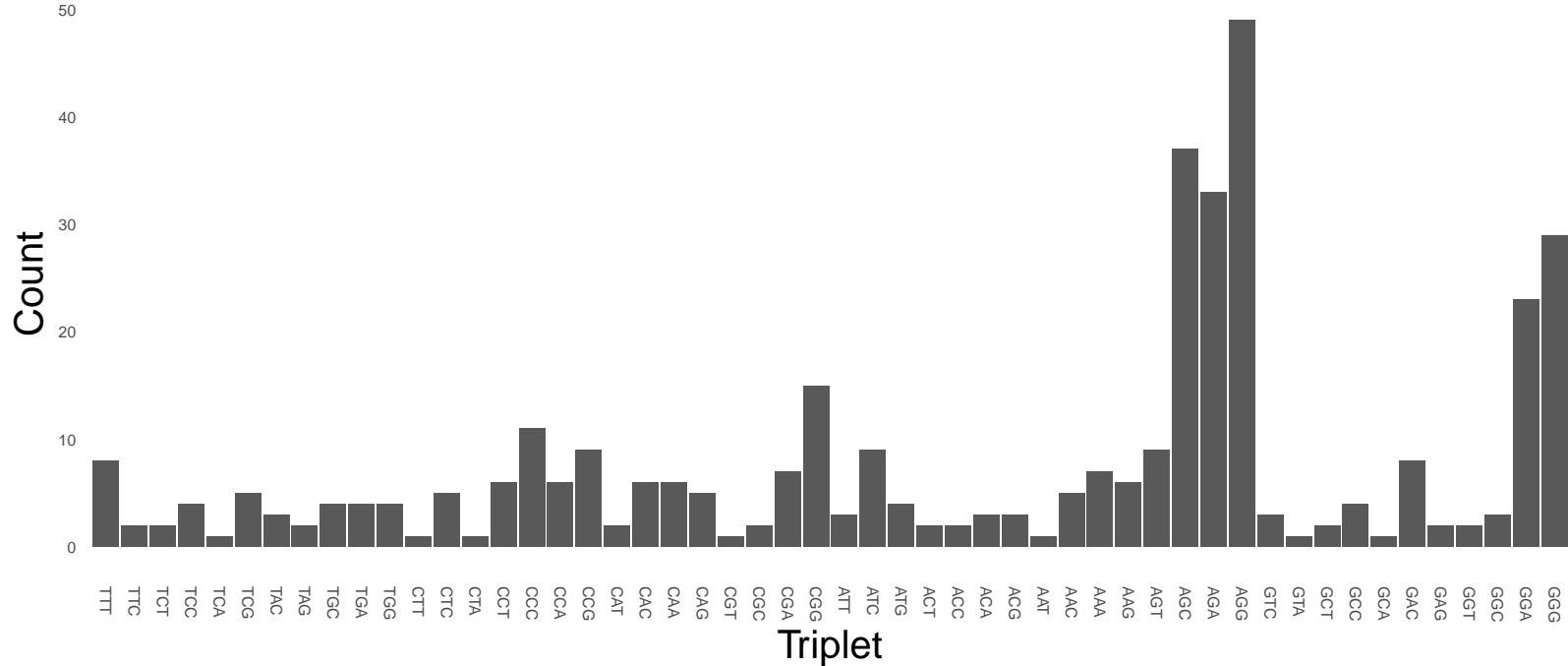
Gene TRBV7-7*ap01_C315T



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

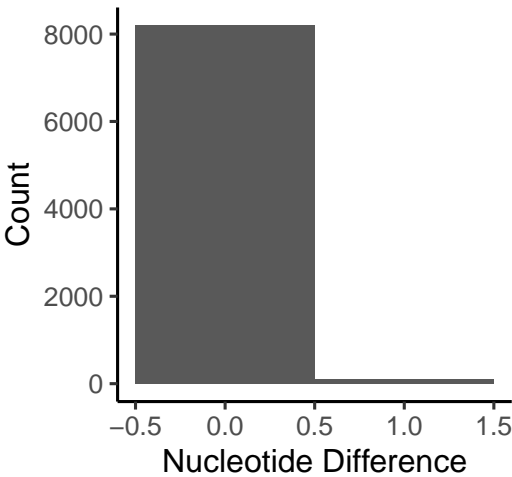


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



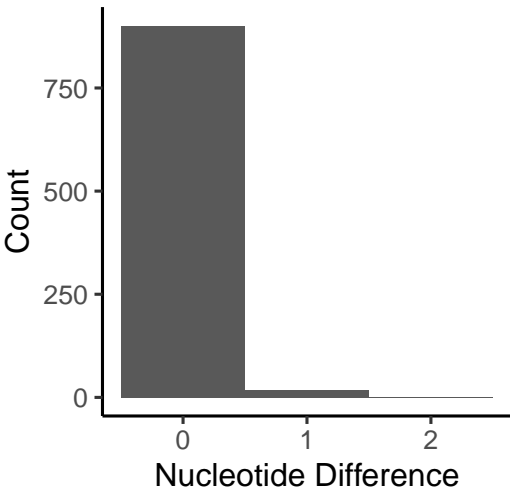
TRBV20-1*ap01

8304 sequences assigned
8198 (98.7%) exact matches, in which:
7999 unique CDR3
13 unique J



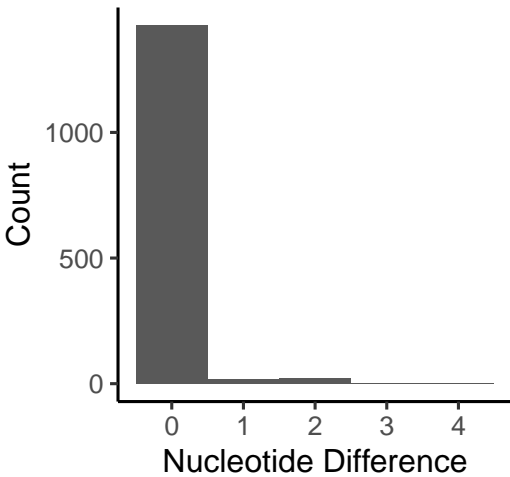
TRBV10-2*ap01

920 sequences assigned
901 (97.9%) exact matches, in which:
876 unique CDR3
13 unique J



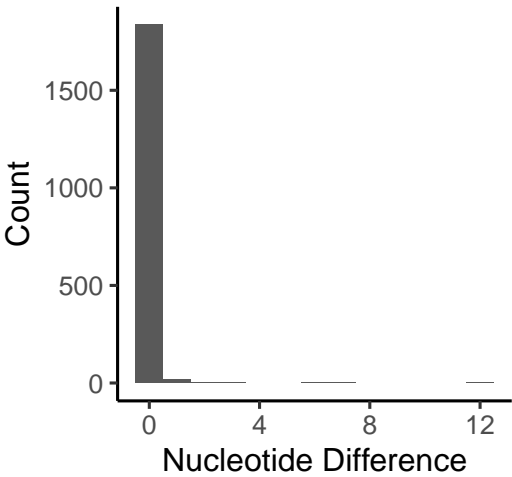
TRBV13*ap01

1469 sequences assigned
1426 (97.1%) exact matches, in which:
1372 unique CDR3
13 unique J



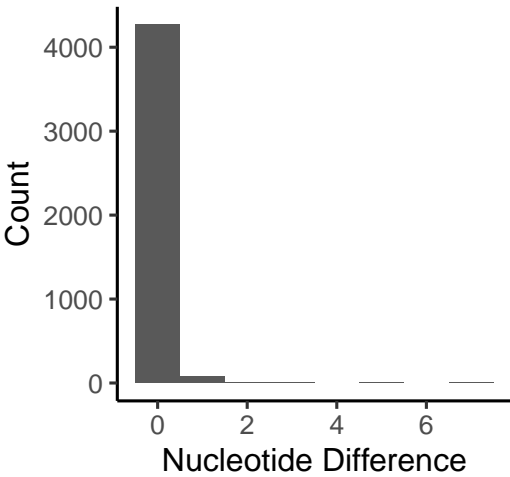
TRBV10-1*ap01

1860 sequences assigned
1836 (98.7%) exact matches, in which:
1771 unique CDR3
13 unique J



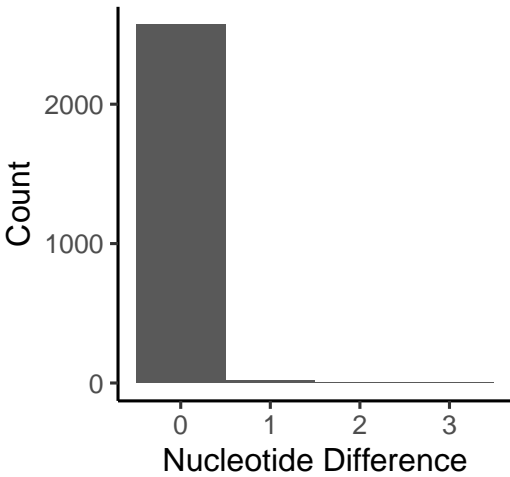
TRBV10-3*ap01

4349 sequences assigned
4268 (98.1%) exact matches, in which:
4144 unique CDR3
13 unique J



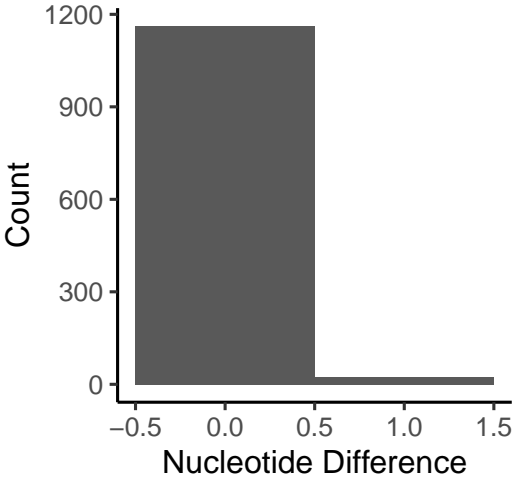
TRBV14*ap01

2592 sequences assigned
2570 (99.2%) exact matches, in which:
2524 unique CDR3
13 unique J



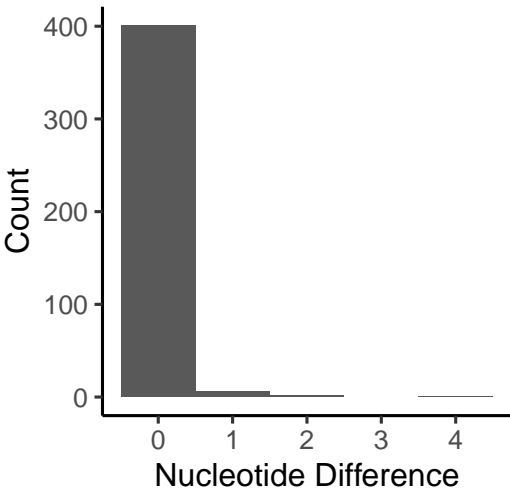
TRBV20-1*ap02

1185 sequences assigned
1162 (98.1%) exact matches, in which:
1142 unique CDR3
13 unique J



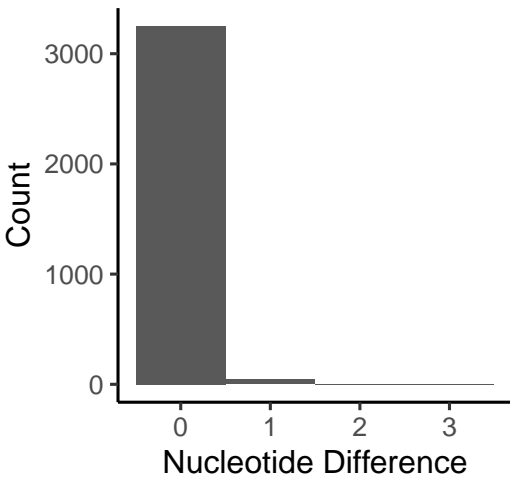
TRBV1*ap01

410 sequences assigned
401 (97.8%) exact matches, in which:
389 unique CDR3
13 unique J



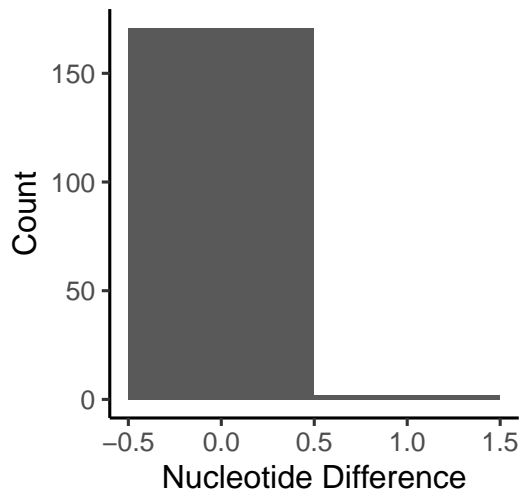
TRBV15*ap02

3299 sequences assigned
3251 (98.5%) exact matches, in which:
3152 unique CDR3
13 unique J



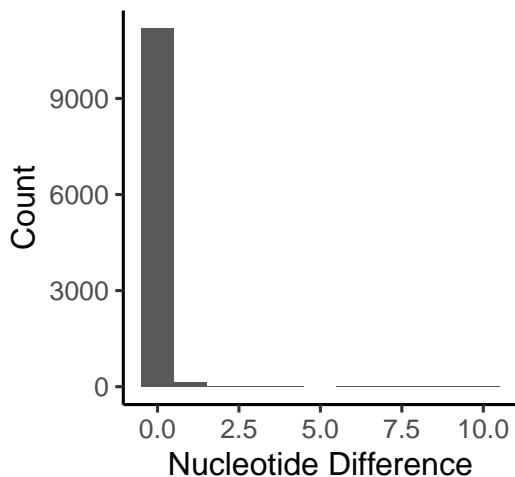
TRBV16*ap01

173 sequences assigned
171 (98.8%) exact matches, in which:
170 unique CDR3
13 unique J



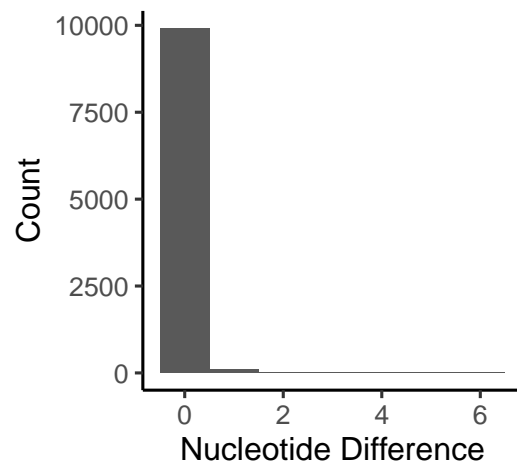
TRBV19*ap01

11352 sequences assigned
11187 (98.5%) exact matches, in which:
11025 unique CDR3
13 unique J



TRBV27*ap01

10032 sequences assigned
9919 (98.9%) exact matches, in which:
9745 unique CDR3
13 unique J



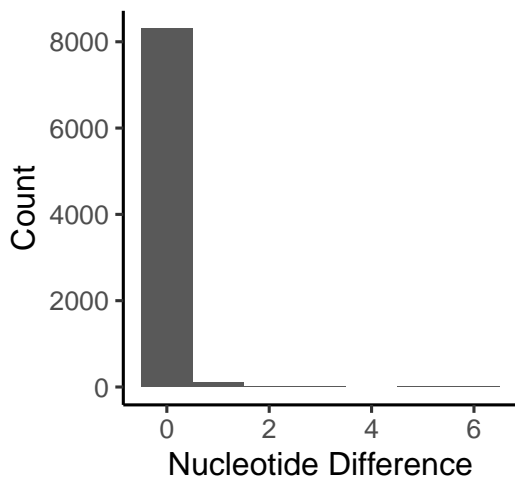
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



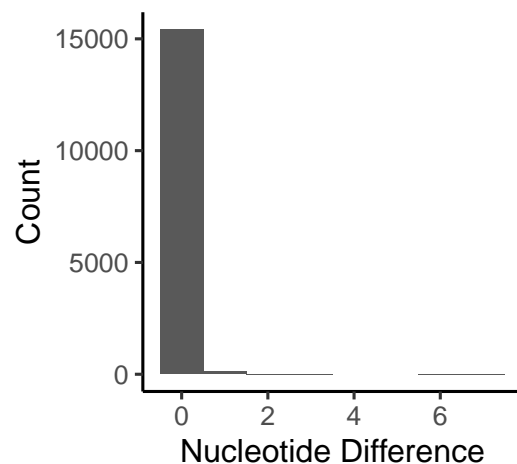
TRBV2*ap01

8417 sequences assigned
8302 (98.6%) exact matches, in which:
8084 unique CDR3
13 unique J



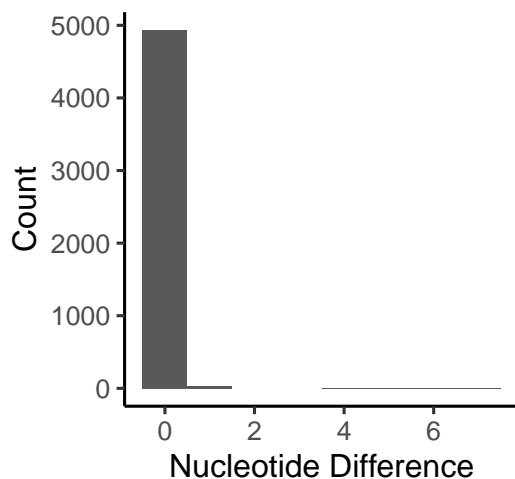
TRBV28*ap01

15543 sequences assigned
15419 (99.2%) exact matches, in which:
15198 unique CDR3
13 unique J



TRBV18*ap01

4975 sequences assigned
4935 (99.2%) exact matches, in which:
4866 unique CDR3
13 unique J



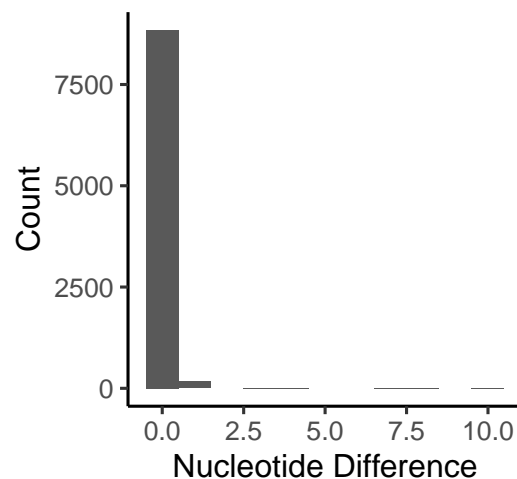
TRBV26*ap01

1 sequences assigned
No exact matches.



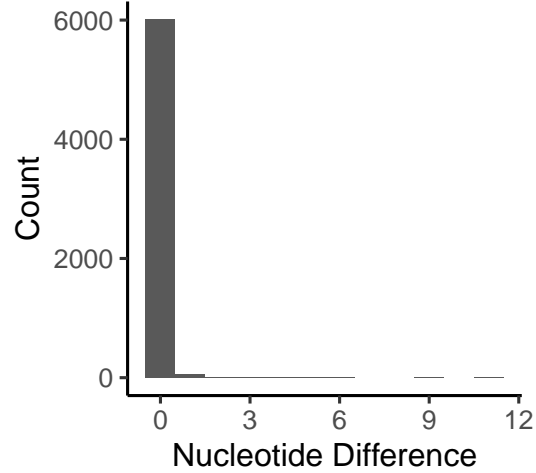
TRBV30*ap01

9018 sequences assigned
8844 (98.1%) exact matches, in which:
8537 unique CDR3
13 unique J



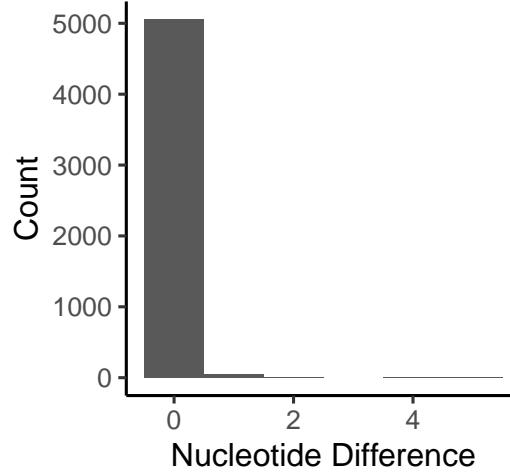
TRBV9*ap01

6076 sequences assigned
6011 (98.9%) exact matches, in which:
5902 unique CDR3
13 unique J



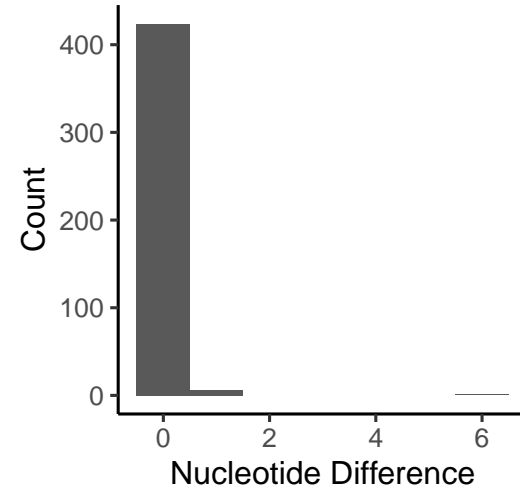
TRBV11-2*ap01

5115 sequences assigned
5055 (98.8%) exact matches, in which:
4943 unique CDR3
13 unique J



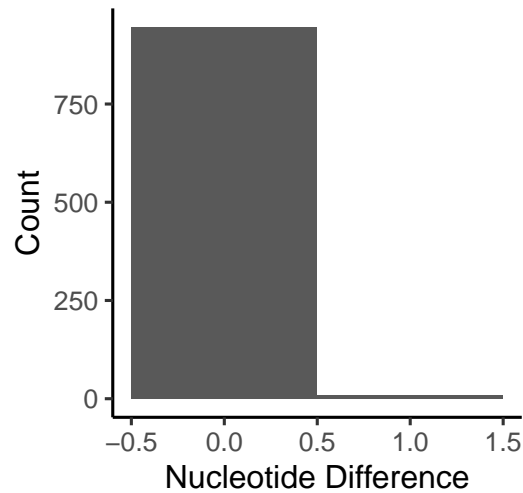
TRBV12-2*ap01

431 sequences assigned
424 (98.4%) exact matches, in which:
421 unique CDR3
13 unique J



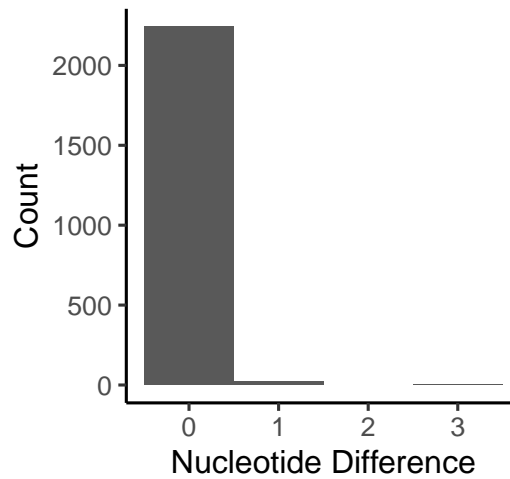
TRBV11-1*ap01

955 sequences assigned
946 (99.1%) exact matches, in which:
928 unique CDR3
13 unique J



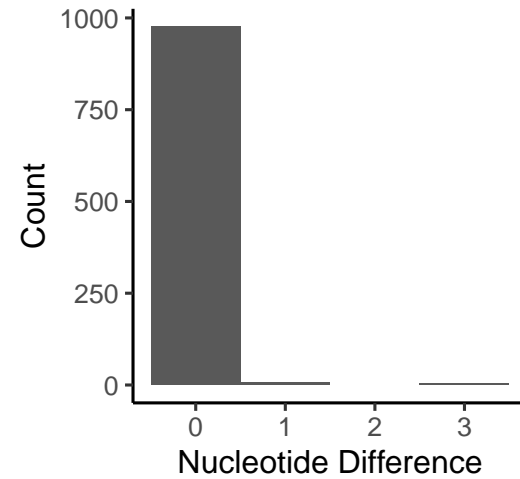
TRBV11-3*ap01

2262 sequences assigned
2242 (99.1%) exact matches, in which:
2201 unique CDR3
13 unique J



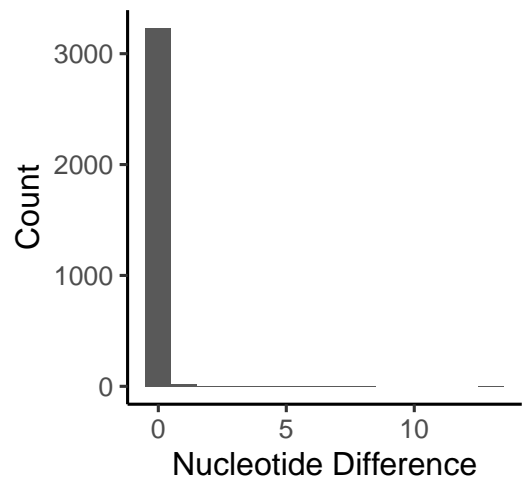
TRBV12-5*ap01

986 sequences assigned
976 (99%) exact matches, in which:
958 unique CDR3
13 unique J



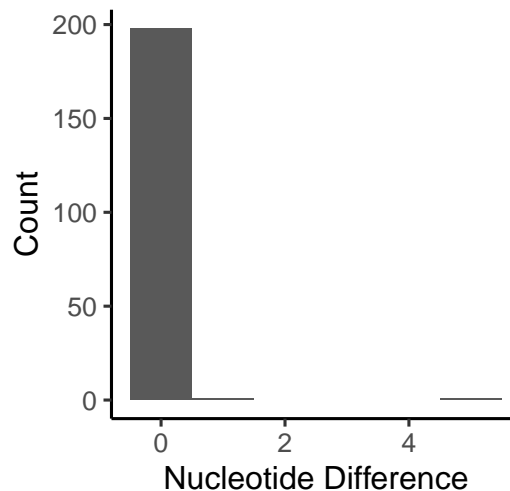
TRBV21-1*ap01

3273 sequences assigned
3231 (98.7%) exact matches, in which:
3207 unique CDR3
13 unique J



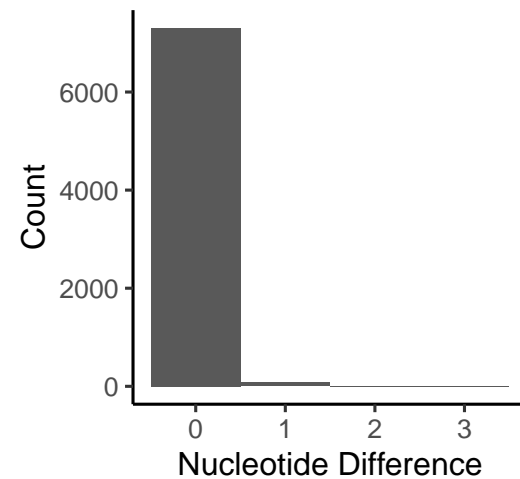
TRBV12-1*ap01

200 sequences assigned
198 (99%) exact matches, in which:
193 unique CDR3
12 unique J



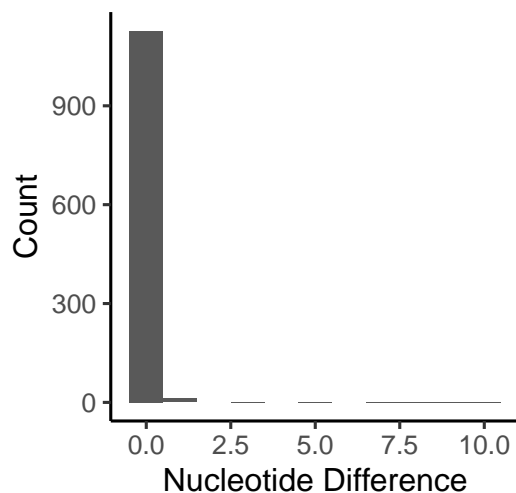
TRBV12-34*ap01

7383 sequences assigned
7304 (98.9%) exact matches, in which:
7158 unique CDR3
13 unique J



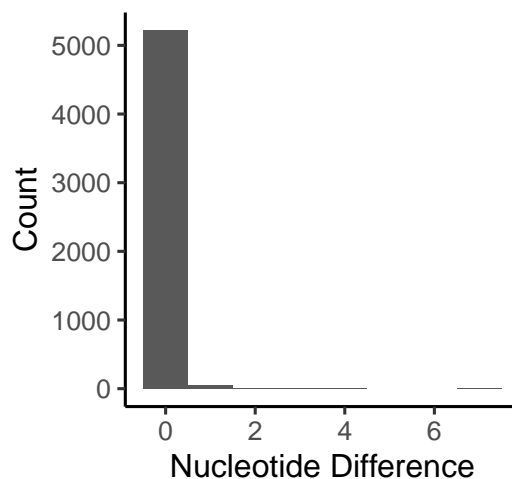
TRBV23-1*ap01

1148 sequences assigned
1128 (98.3%) exact matches, in which:
1117 unique CDR3
13 unique J



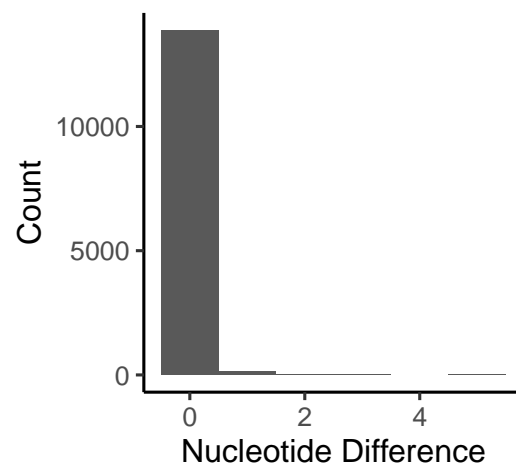
TRBV4-1*ap01

5279 sequences assigned
5218 (98.8%) exact matches, in which:
5071 unique CDR3
13 unique J



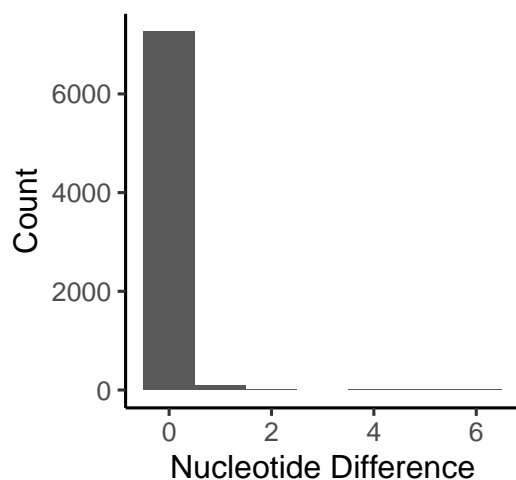
TRBV5-1*ap01

14041 sequences assigned
13877 (98.8%) exact matches, in which:
13402 unique CDR3
13 unique J



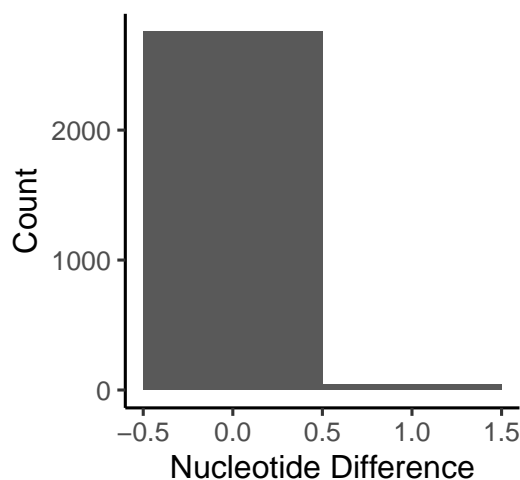
TRBV3-12*ap01

7352 sequences assigned
7260 (98.7%) exact matches, in which:
7079 unique CDR3
13 unique J



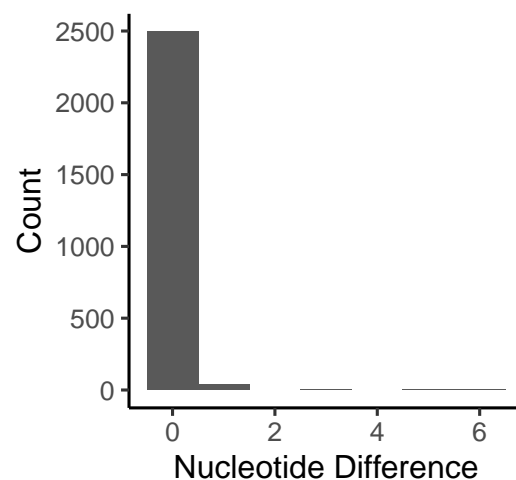
TRBV4-2*ap01

2796 sequences assigned
2757 (98.6%) exact matches, in which:
2682 unique CDR3
13 unique J



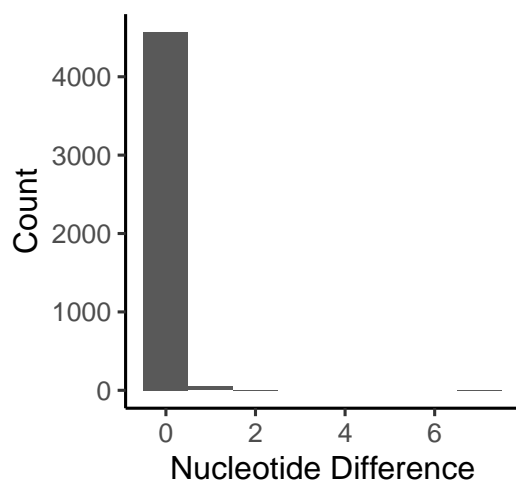
TRBV25-1*ap01

2541 sequences assigned
2495 (98.2%) exact matches, in which:
2410 unique CDR3
13 unique J



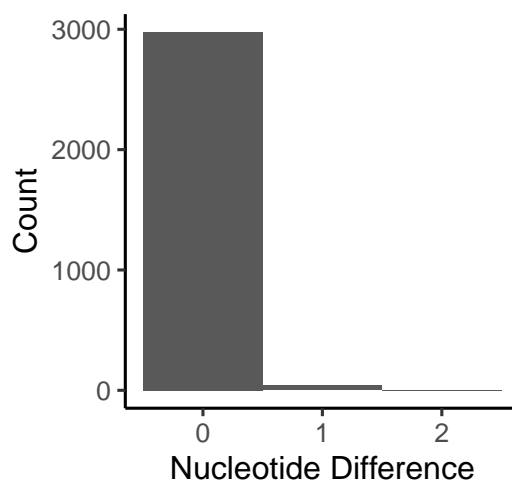
TRBV24-1*ap01

4625 sequences assigned
4570 (98.8%) exact matches, in which:
4476 unique CDR3
14 unique J



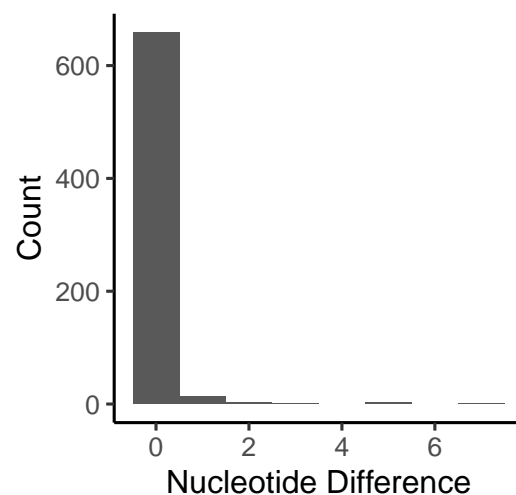
TRBV4-3*ap01

3019 sequences assigned
2977 (98.6%) exact matches, in which:
2887 unique CDR3
13 unique J



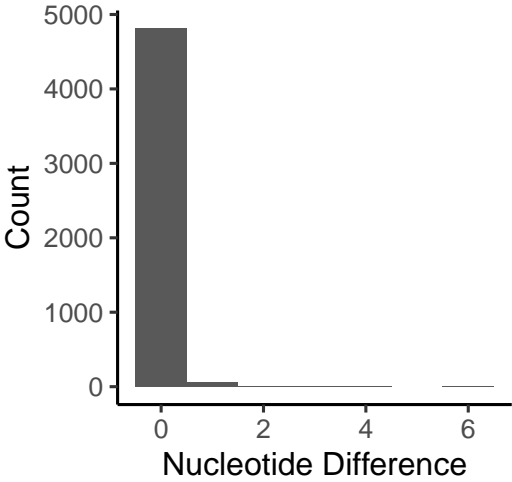
TRBV5-3*ap01

678 sequences assigned
659 (97.2%) exact matches, in which:
645 unique CDR3
13 unique J



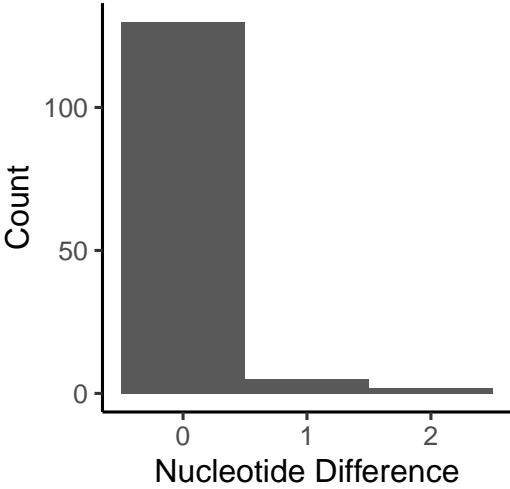
TRBV5-4*ap01

4885 sequences assigned
4813 (98.5%) exact matches, in which:
4702 unique CDR3
13 unique J



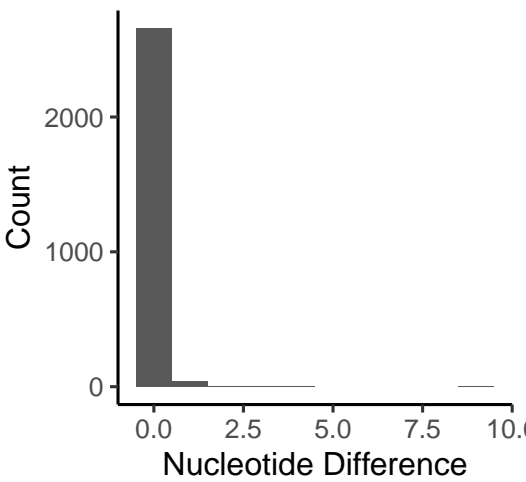
TRBV5-7*ap01

137 sequences assigned
130 (94.9%) exact matches, in which:
123 unique CDR3
13 unique J



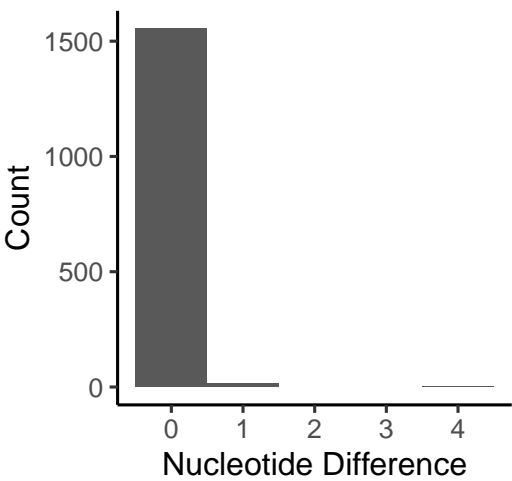
TRBV6-4*ap01

2705 sequences assigned
2657 (98.2%) exact matches, in which:
2618 unique CDR3
13 unique J



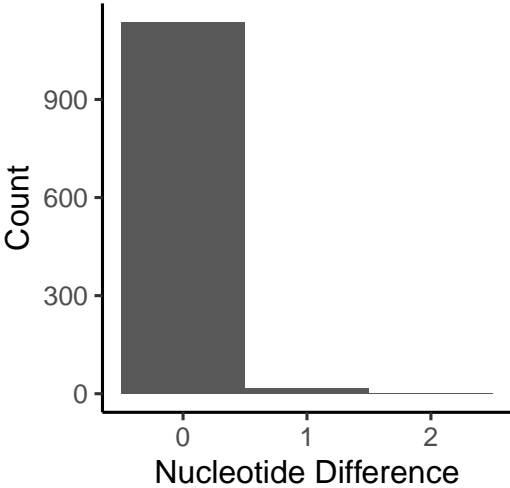
TRBV5-5*ap01

1572 sequences assigned
1554 (98.9%) exact matches, in which:
1537 unique CDR3
13 unique J



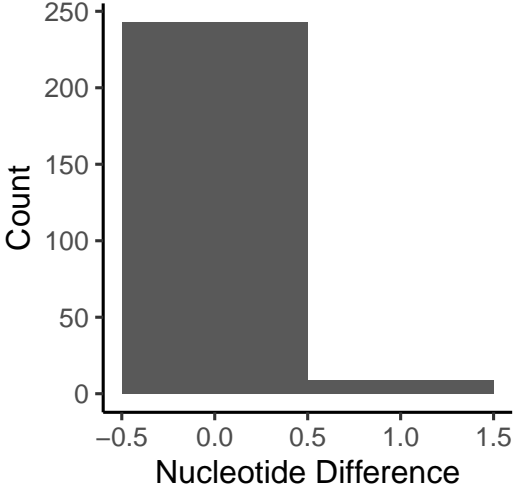
TRBV5-8*ap01

1156 sequences assigned
1137 (98.4%) exact matches, in which:
1121 unique CDR3
13 unique J



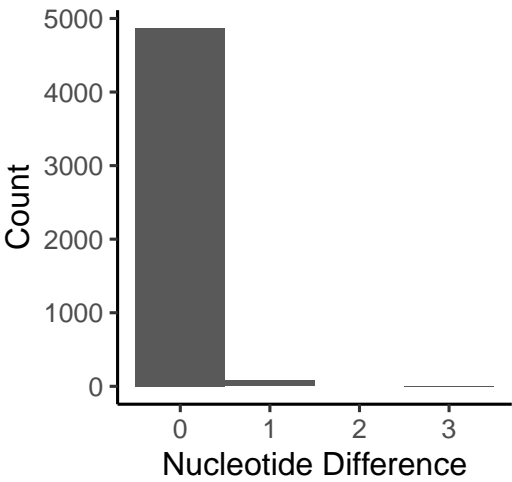
TRBV6-7*ap01

252 sequences assigned
243 (96.4%) exact matches, in which:
238 unique CDR3
13 unique J



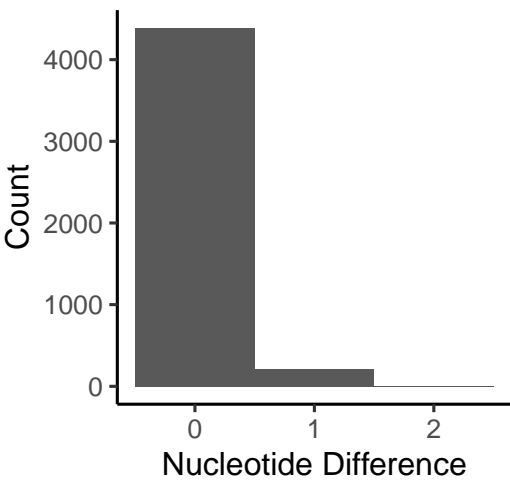
TRBV5-6*ap01

4950 sequences assigned
4870 (98.4%) exact matches, in which:
4662 unique CDR3
13 unique J



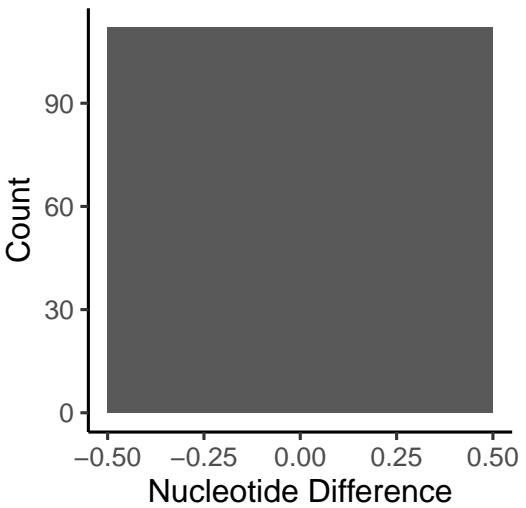
TRBV6-1*ap01

4602 sequences assigned
4387 (95.3%) exact matches, in which:
4209 unique CDR3
13 unique J



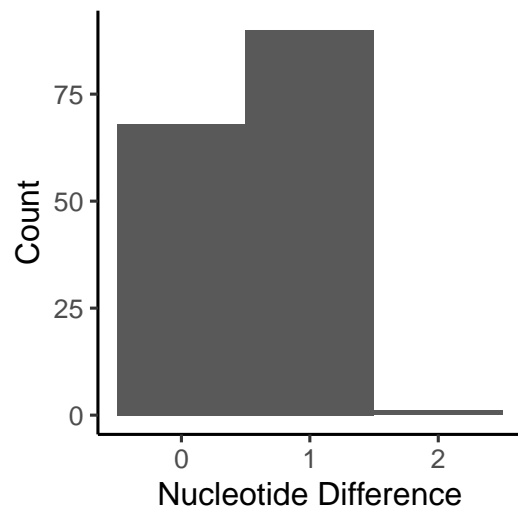
TRBV6-8*ap01

112 sequences assigned
112 (100%) exact matches, in which:
109 unique CDR3
13 unique J



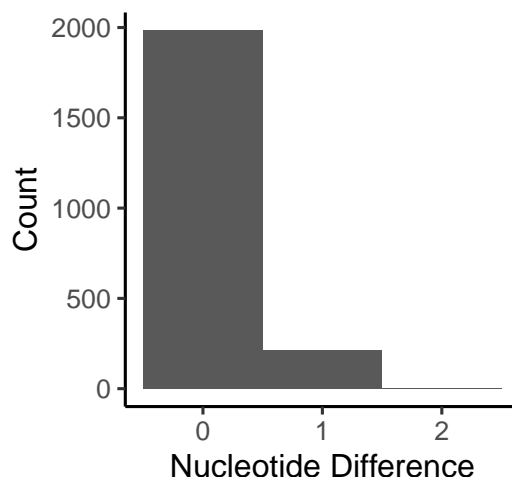
TRBV6-9*ap01

159 sequences assigned
68 (42.8%) exact matches, in which:
63 unique CDR3
13 unique J



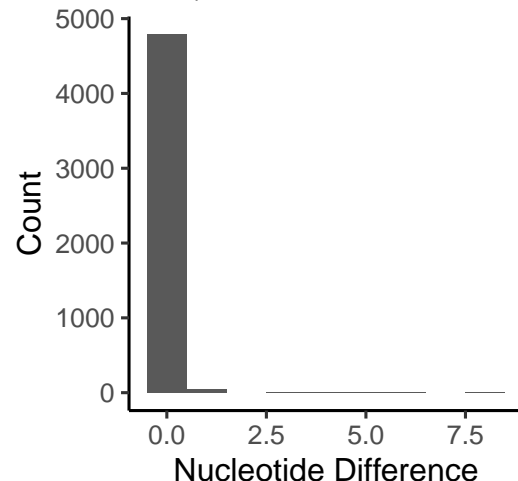
TRBV6-56*ap02

2197 sequences assigned
1984 (90.3%) exact matches, in which:
1914 unique CDR3
13 unique J



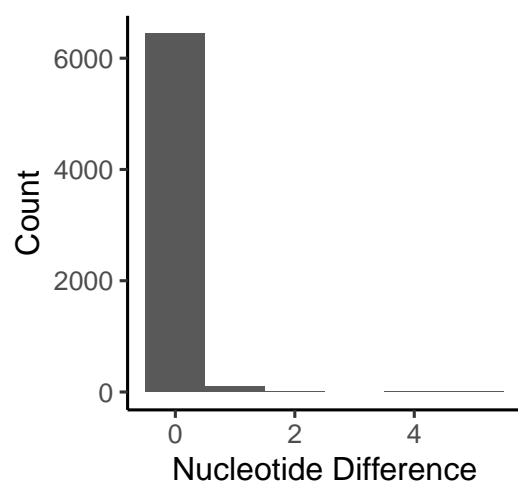
TRBV7-3*ap01

4843 sequences assigned
4789 (98.9%) exact matches, in which:
4702 unique CDR3
13 unique J



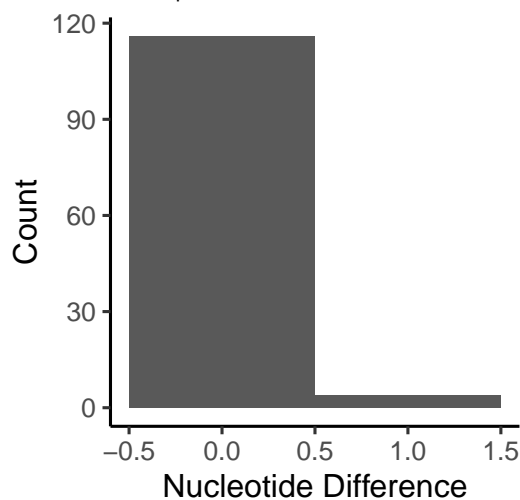
TRBV6-23*ap01

6535 sequences assigned
6440 (98.5%) exact matches, in which:
6130 unique CDR3
13 unique J



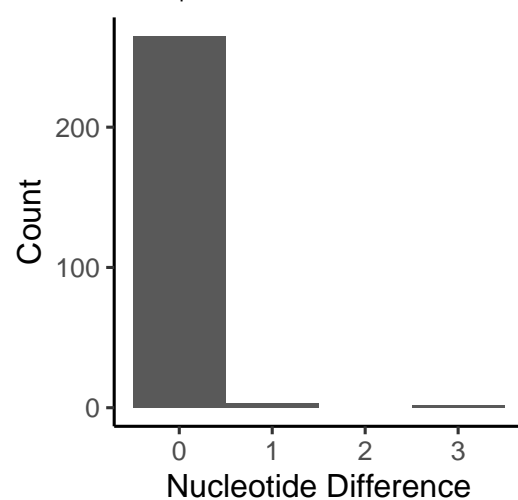
TRBV7-1*ap01_G291C_

120 sequences assigned
116 (96.7%) exact matches, in which:
112 unique CDR3
12 unique J



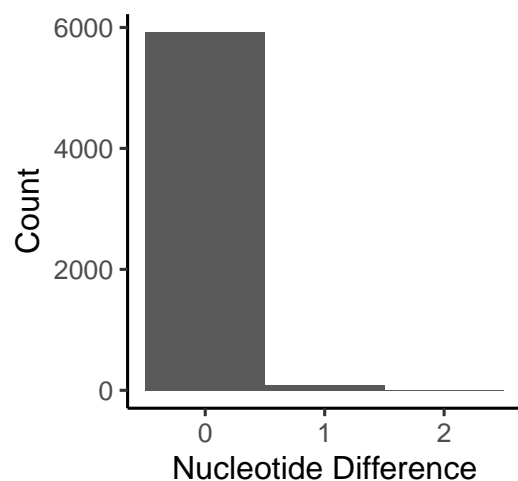
TRBV7-4*ap01

270 sequences assigned
265 (98.1%) exact matches, in which:
259 unique CDR3
13 unique J



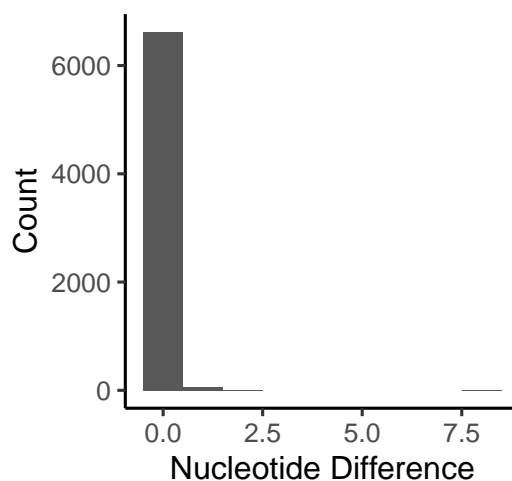
TRBV6-56*ap01

6011 sequences assigned
5924 (98.6%) exact matches, in which:
5692 unique CDR3
13 unique J



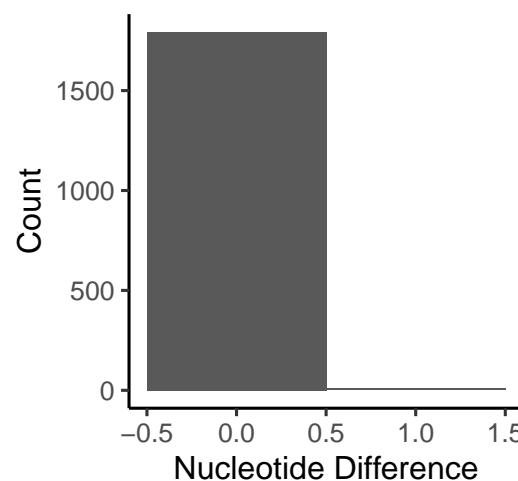
TRBV7-2*ap01

6683 sequences assigned
6619 (99%) exact matches, in which:
6465 unique CDR3
13 unique J



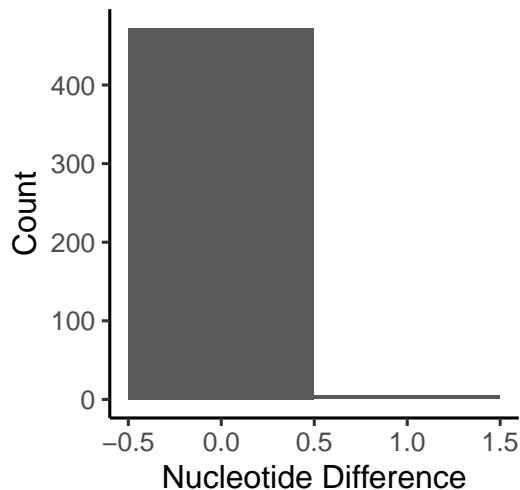
TRBV7-6*ap01

1803 sequences assigned
1793 (99.4%) exact matches, in which:
1747 unique CDR3
13 unique J



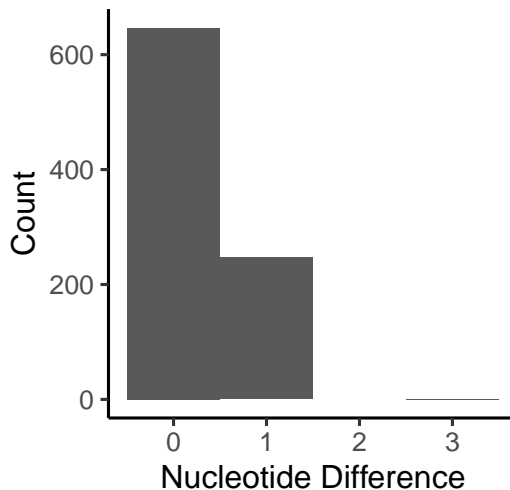
TRBV7-7*ap01

478 sequences assigned
473 (99%) exact matches, in which:
458 unique CDR3
13 unique J



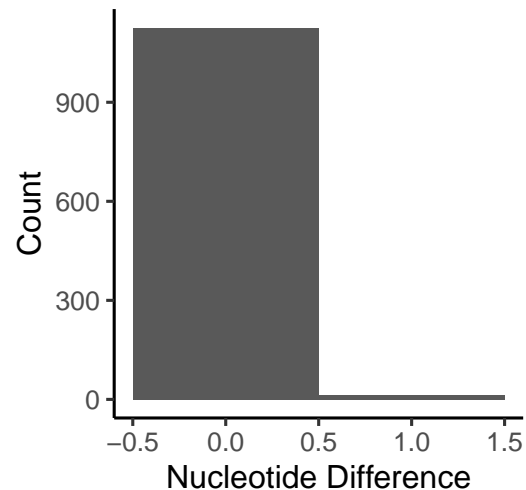
TRBV7-8*ap03

895 sequences assigned
647 (72.3%) exact matches, in which:
634 unique CDR3
13 unique J



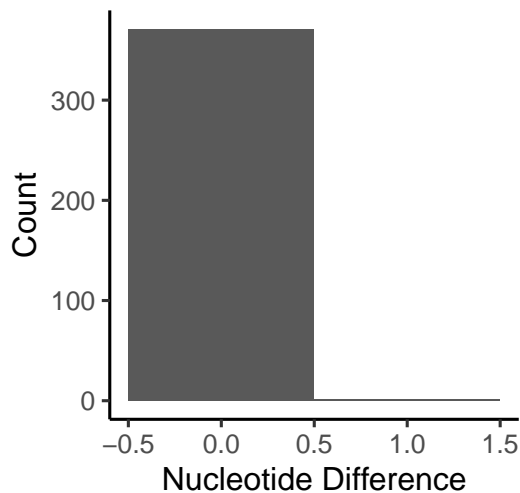
TRBV29-1*ap02

1139 sequences assigned
1126 (98.9%) exact matches, in which:
1077 unique CDR3
13 unique J



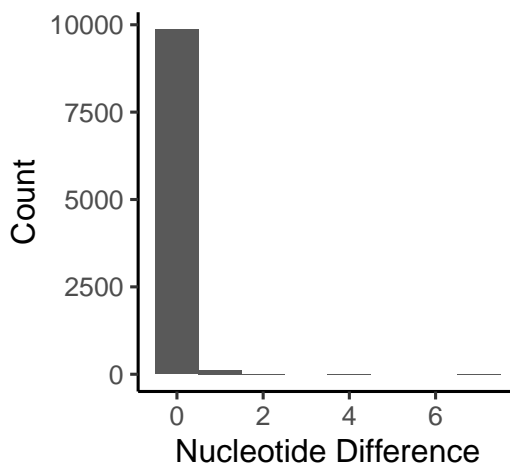
TRBV7-7*ap01_C315T

373 sequences assigned
371 (99.5%) exact matches, in which:
366 unique CDR3
13 unique J



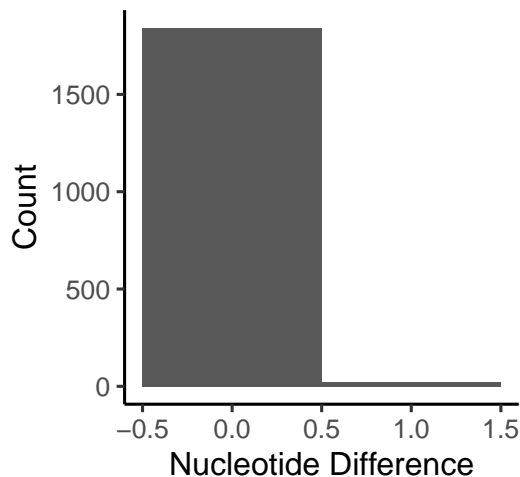
TRBV7-9*ap01

9988 sequences assigned
9865 (98.8%) exact matches, in which:
9584 unique CDR3
13 unique J



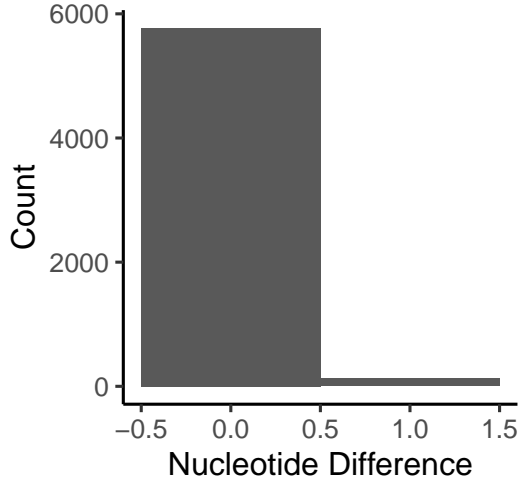
TRBV7-8*ap01

1863 sequences assigned
1841 (98.8%) exact matches, in which:
1793 unique CDR3
13 unique J

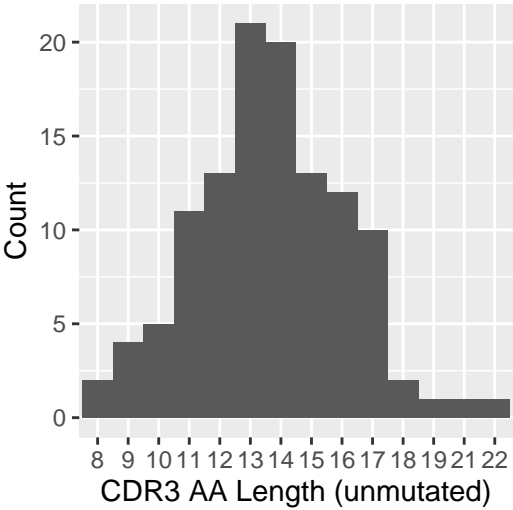


TRBV29-1*ap01

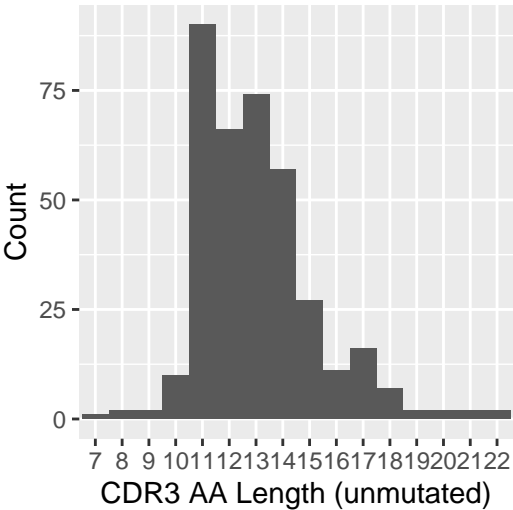
5896 sequences assigned
5771 (97.9%) exact matches, in which:
5545 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]