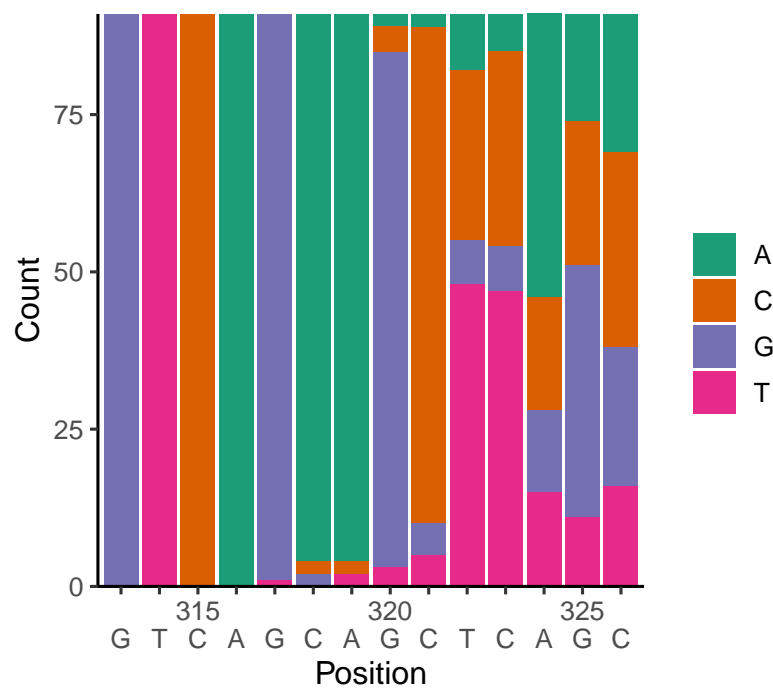
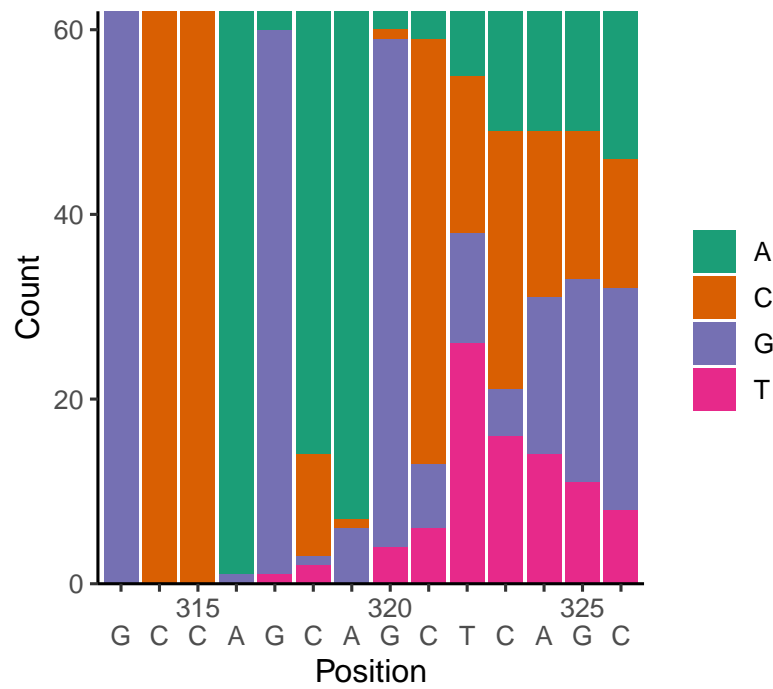


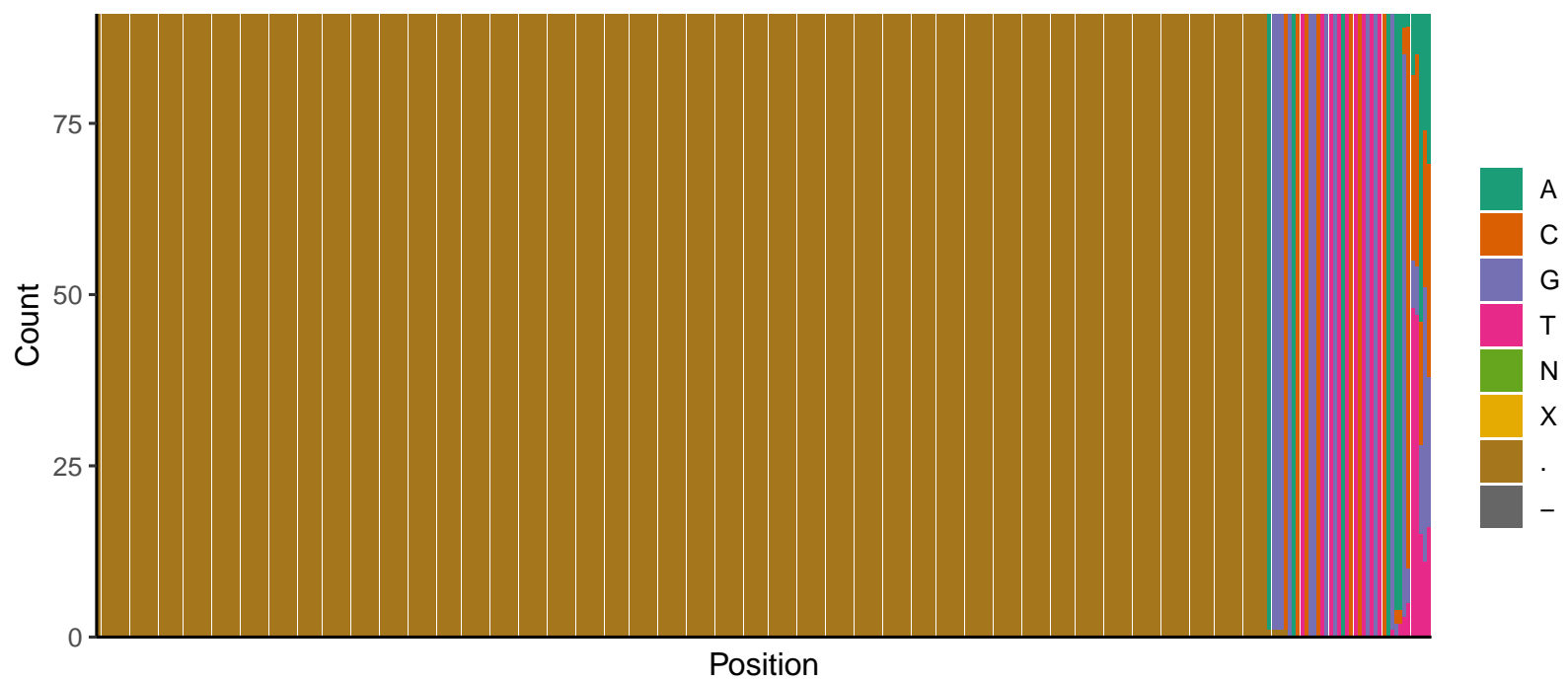
Gene TRBV7-1*ap01_T296C_C314T



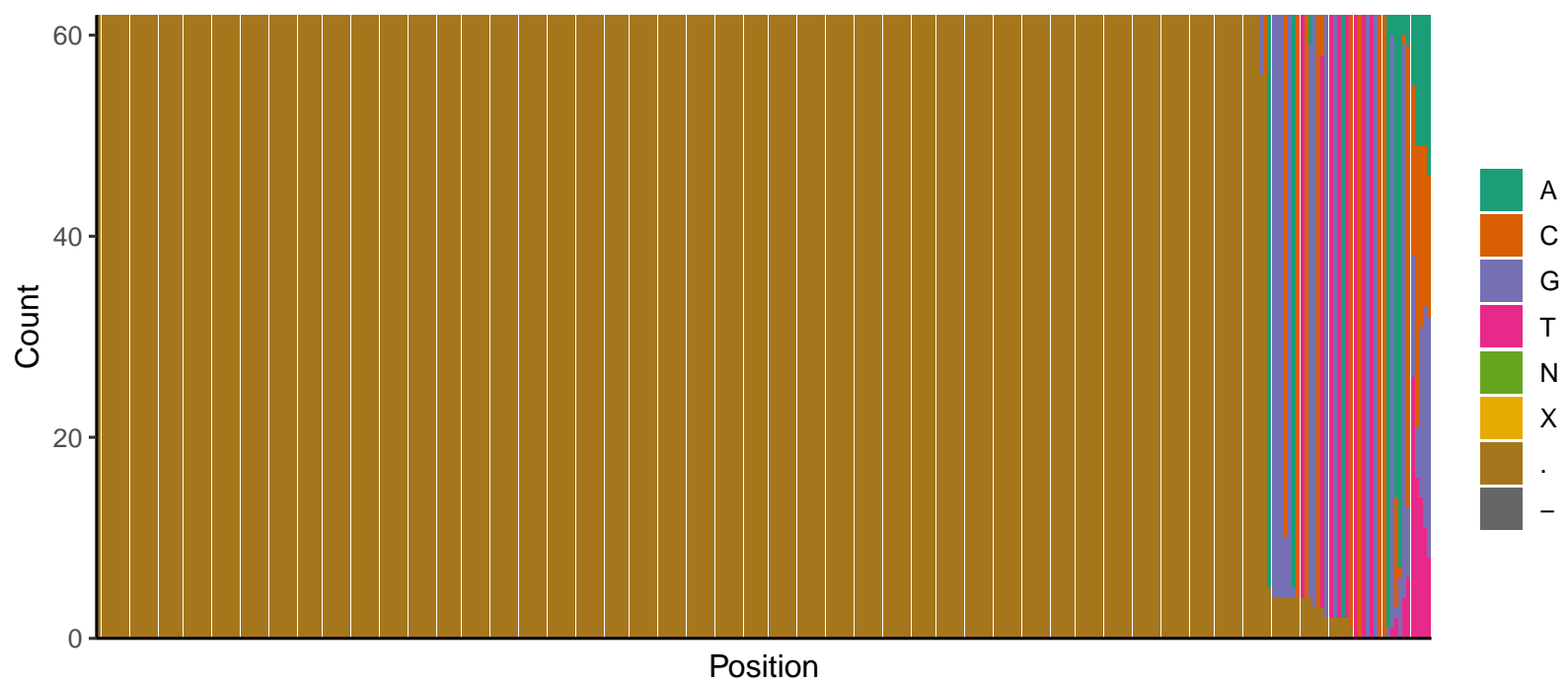
Gene TRBV7-1*ap01_T296C



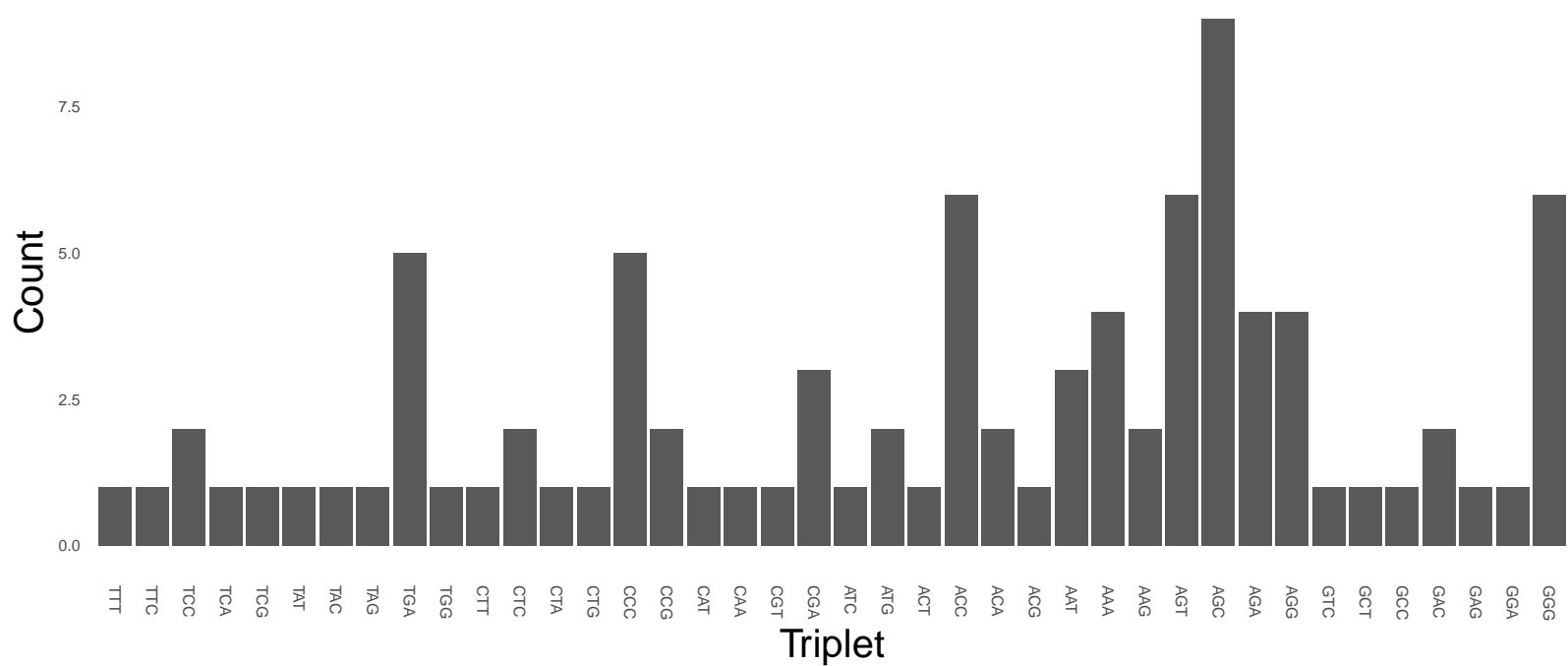
Gene TRBV7-1*ap01_T296C_C314T



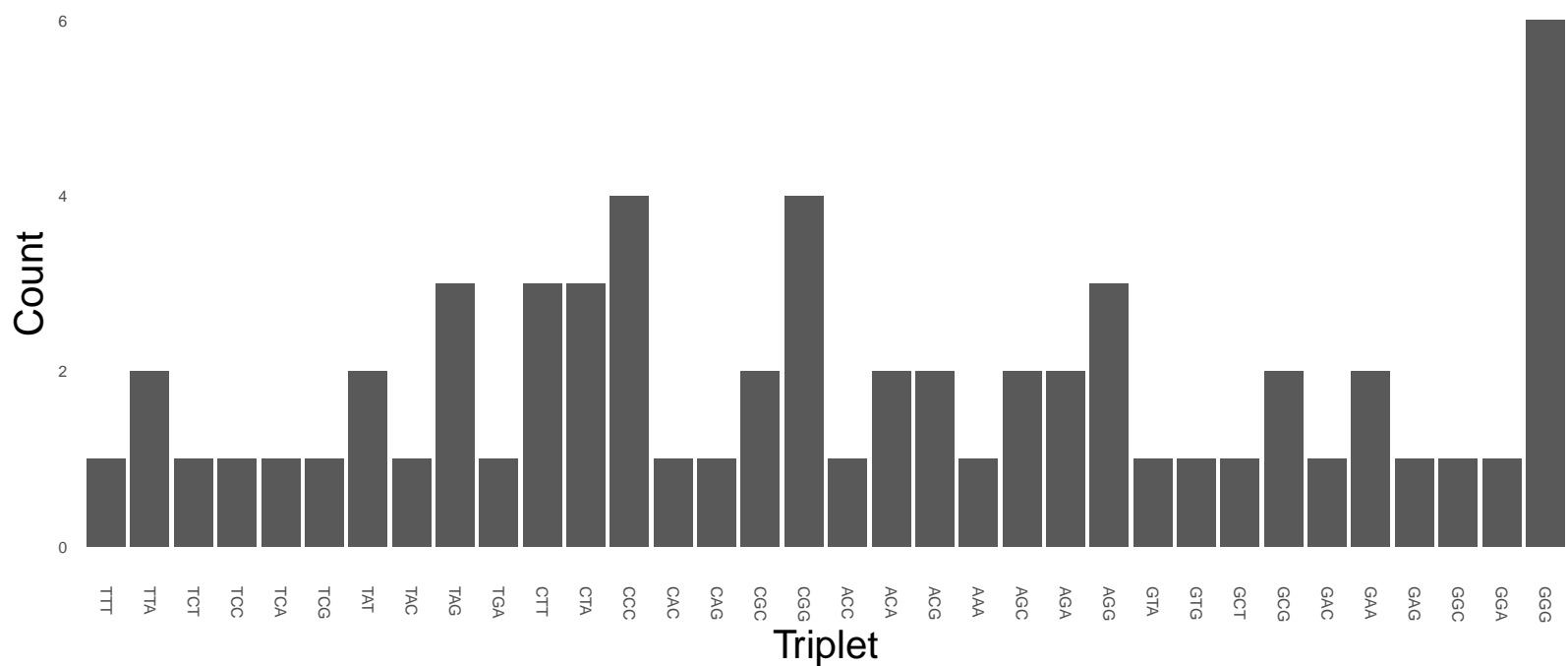
Gene TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

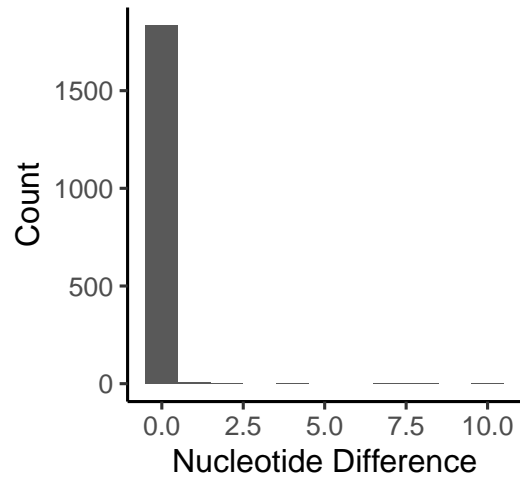


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



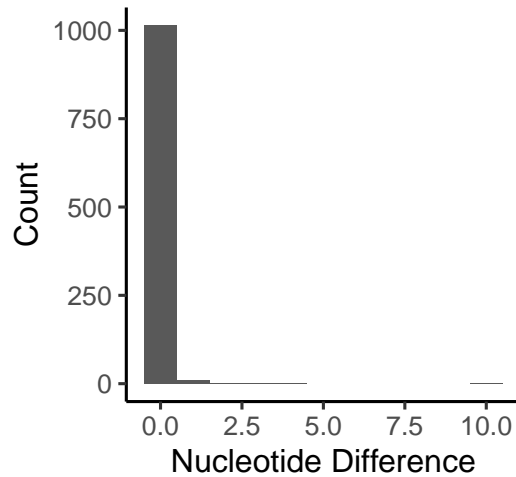
TRBV10-1*ap01

1851 sequences assigned
1834 (99.1%) exact matches, in which:
1788 unique CDR3
13 unique J



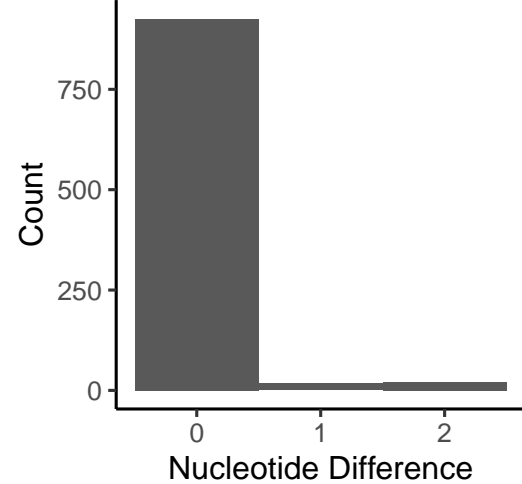
TRBV10-2*ap01

1027 sequences assigned
1014 (98.7%) exact matches, in which:
978 unique CDR3
13 unique J



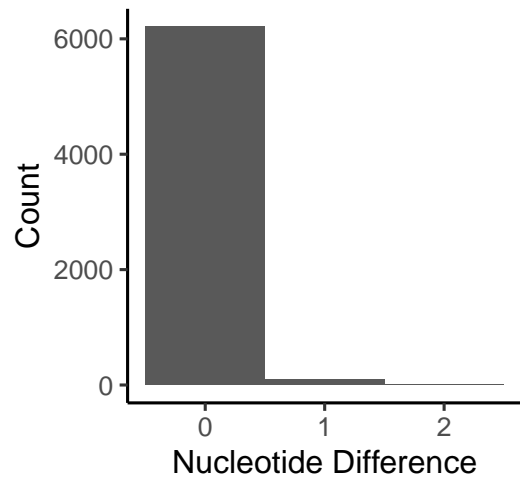
TRBV13*ap01

963 sequences assigned
926 (96.2%) exact matches, in which:
896 unique CDR3
13 unique J



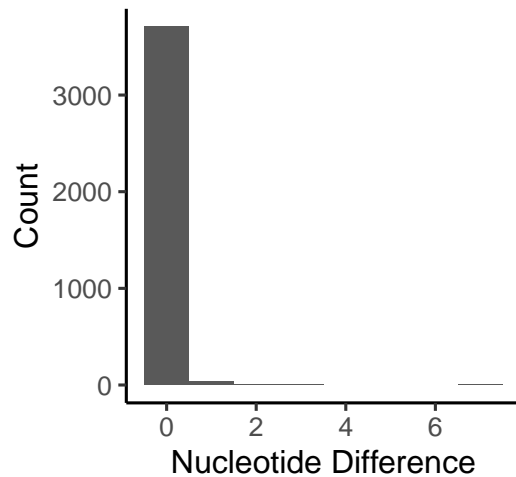
TRBV20-1*ap01

6304 sequences assigned
6210 (98.5%) exact matches, in which:
6053 unique CDR3
14 unique J



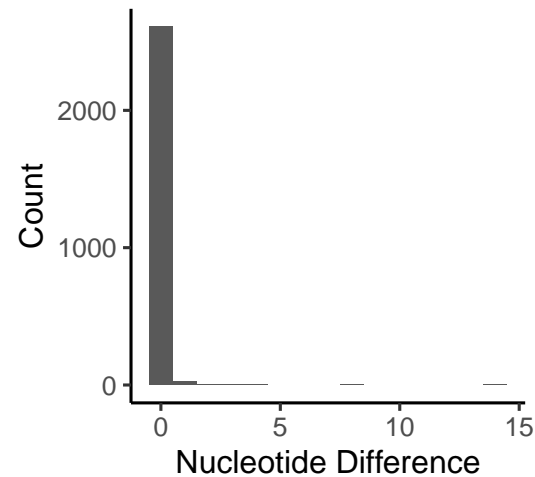
TRBV10-3*ap01

3753 sequences assigned
3707 (98.8%) exact matches, in which:
3606 unique CDR3
13 unique J



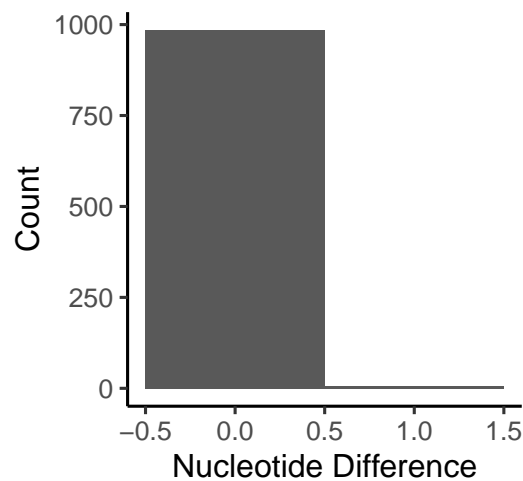
TRBV14*ap01

2638 sequences assigned
2609 (98.9%) exact matches, in which:
2553 unique CDR3
13 unique J



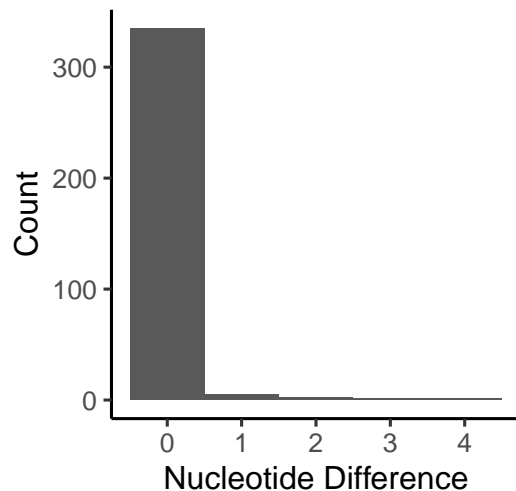
TRBV20-1*ap02

992 sequences assigned
985 (99.3%) exact matches, in which:
960 unique CDR3
13 unique J



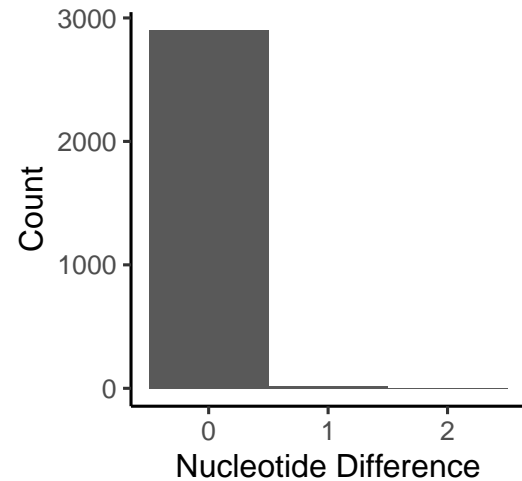
TRBV1*ap01

344 sequences assigned
335 (97.4%) exact matches, in which:
332 unique CDR3
13 unique J



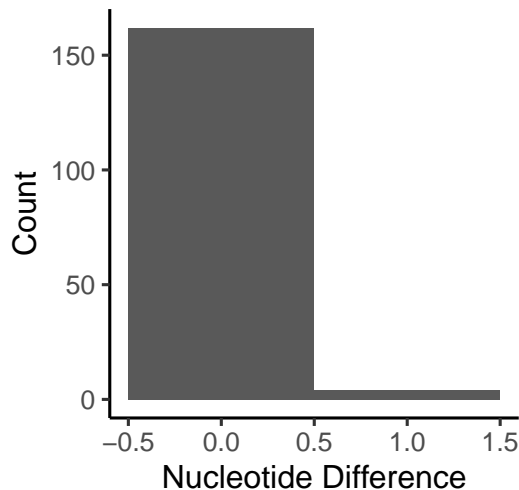
TRBV15*ap02

2922 sequences assigned
2902 (99.3%) exact matches, in which:
2821 unique CDR3
13 unique J



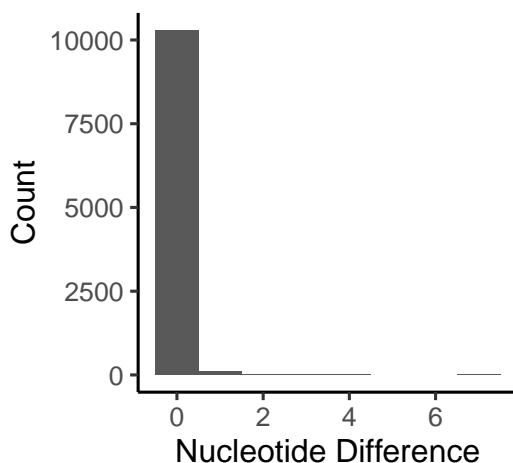
TRBV16*ap01

166 sequences assigned
162 (97.6%) exact matches, in which:
158 unique CDR3
13 unique J



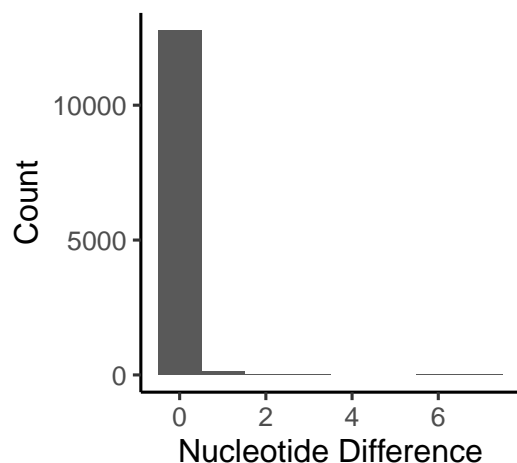
TRBV19*ap01

10421 sequences assigned
10293 (98.8%) exact matches, in which:
10120 unique CDR3
13 unique J



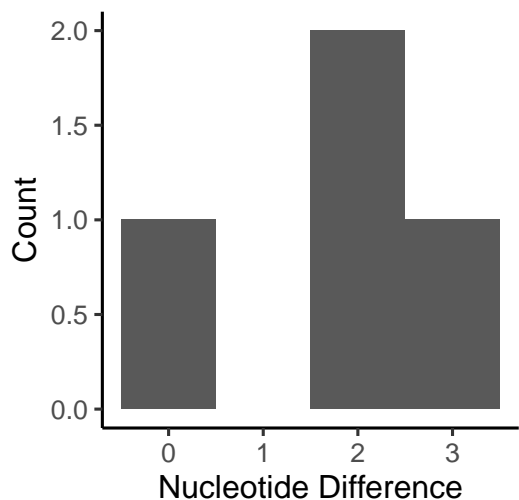
TRBV28*ap01

12938 sequences assigned
12782 (98.8%) exact matches, in which:
12435 unique CDR3
13 unique J



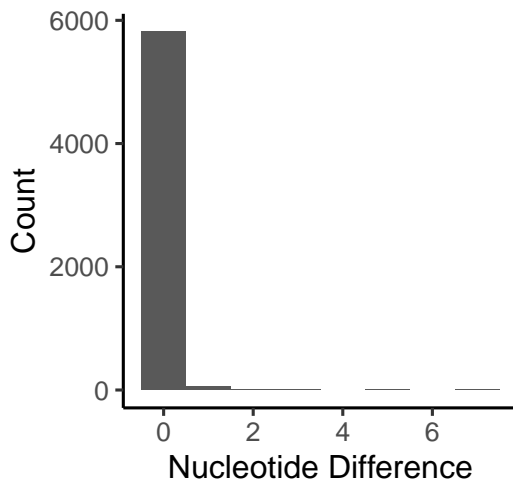
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



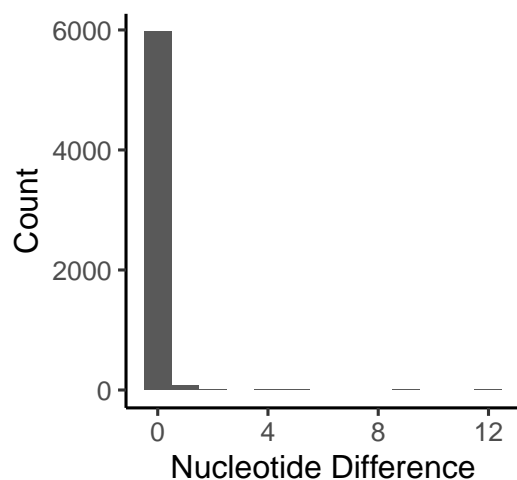
TRBV2*ap01

5879 sequences assigned
5815 (98.9%) exact matches, in which:
5701 unique CDR3
13 unique J



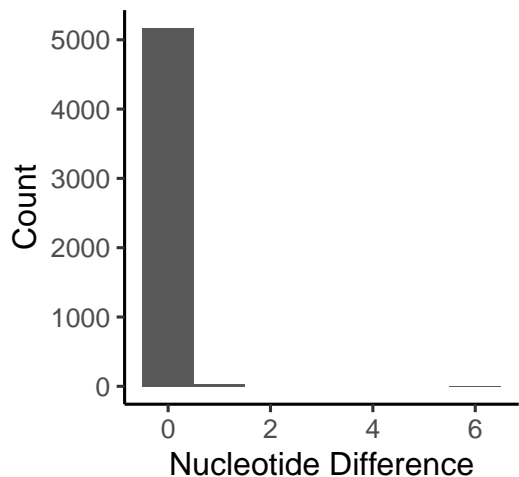
TRBV30*ap01

6058 sequences assigned
5970 (98.5%) exact matches, in which:
5898 unique CDR3
13 unique J



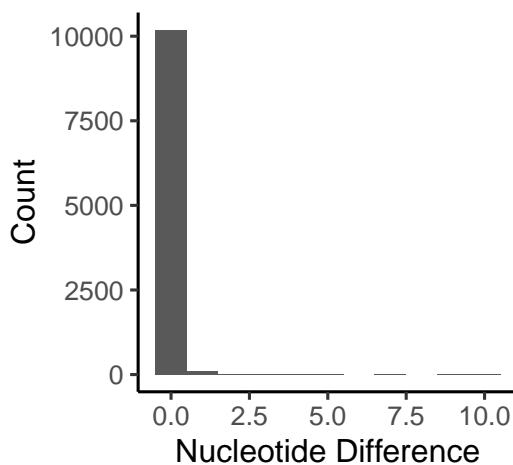
TRBV18*ap01

5204 sequences assigned
5169 (99.3%) exact matches, in which:
5084 unique CDR3
13 unique J



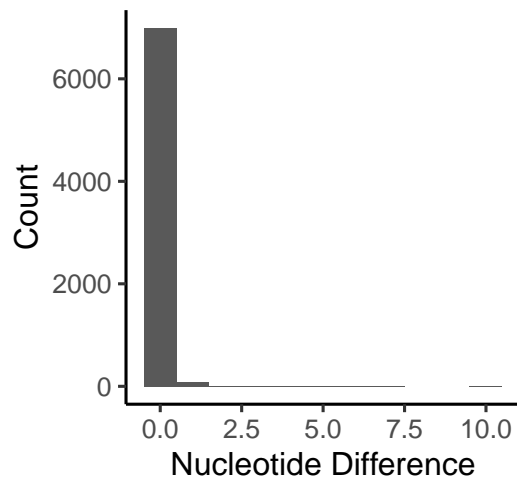
TRBV27*ap01

10326 sequences assigned
10189 (98.7%) exact matches, in which:
9912 unique CDR3
13 unique J



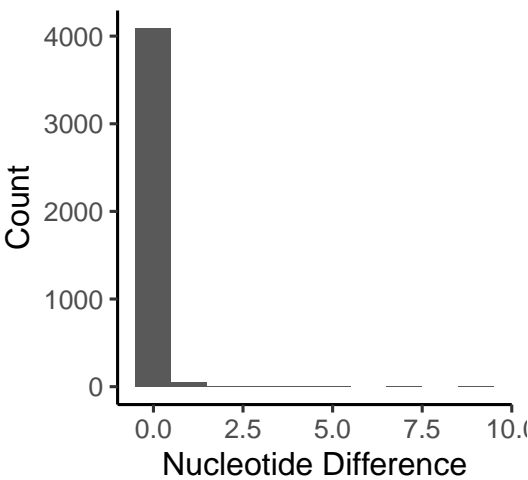
TRBV9*ap01

7083 sequences assigned
6991 (98.7%) exact matches, in which:
6828 unique CDR3
13 unique J



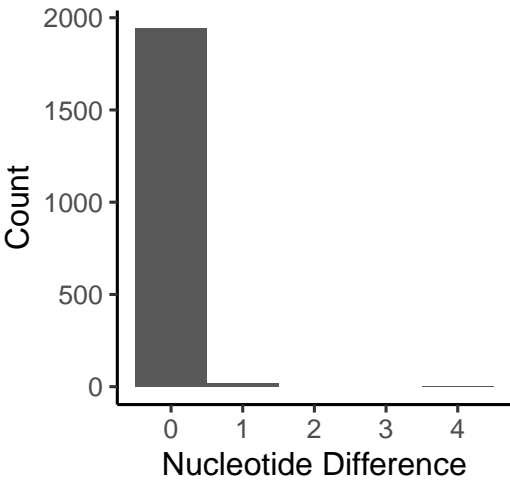
TRBV21-1*ap01

4159 sequences assigned
4088 (98.3%) exact matches, in which:
3984 unique CDR3
13 unique J



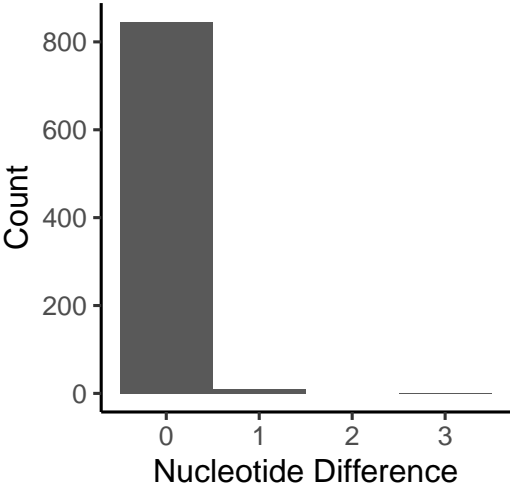
TRBV11-3*ap01

1961 sequences assigned
1942 (99%) exact matches, in which:
1907 unique CDR3
13 unique J



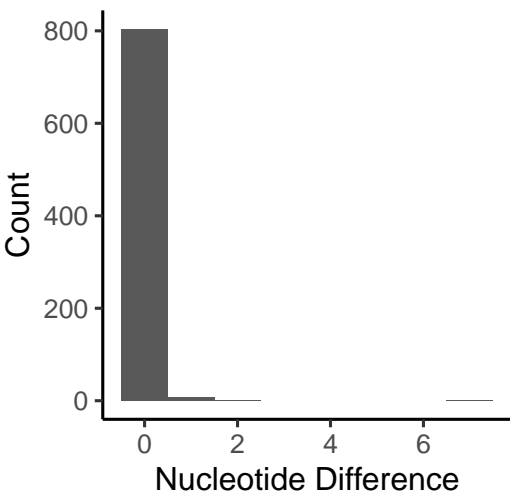
TRBV12-5*ap01

857 sequences assigned
846 (98.7%) exact matches, in which:
824 unique CDR3
13 unique J



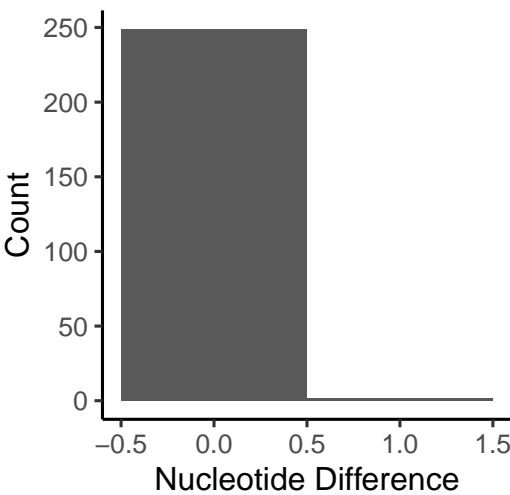
TRBV11-1*ap01

814 sequences assigned
804 (98.8%) exact matches, in which:
786 unique CDR3
13 unique J



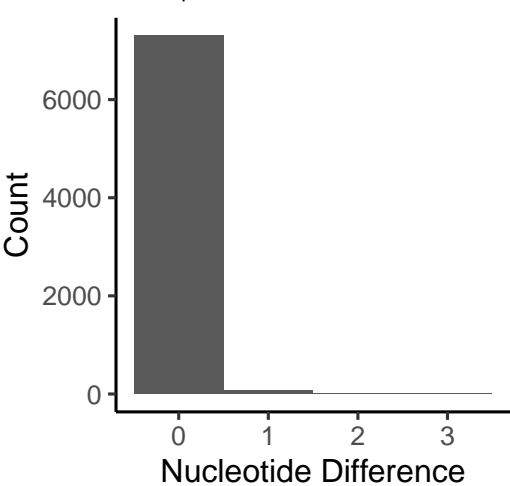
TRBV12-1*ap01

251 sequences assigned
249 (99.2%) exact matches, in which:
243 unique CDR3
13 unique J



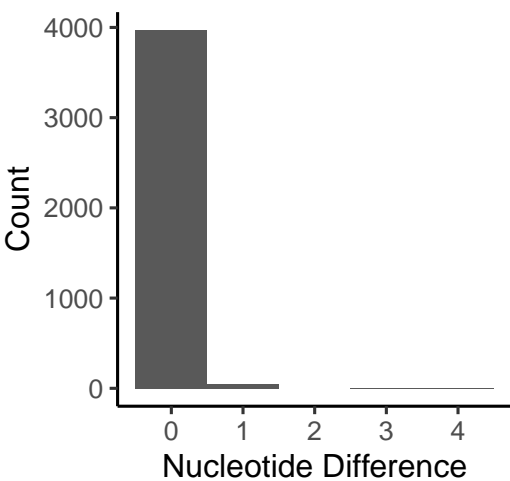
TRBV12-34*ap01

7380 sequences assigned
7302 (98.9%) exact matches, in which:
7124 unique CDR3
13 unique J



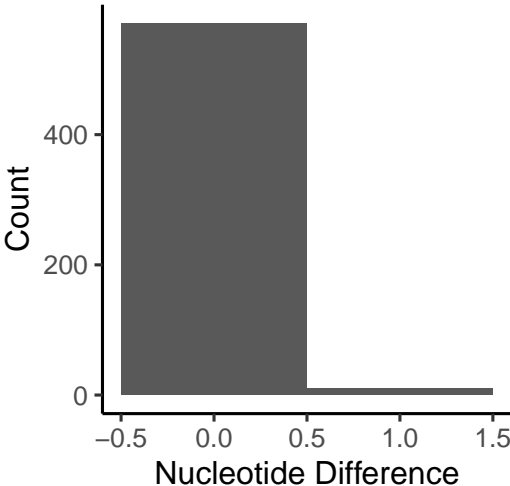
TRBV11-2*ap01

4019 sequences assigned
3971 (98.8%) exact matches, in which:
3872 unique CDR3
13 unique J



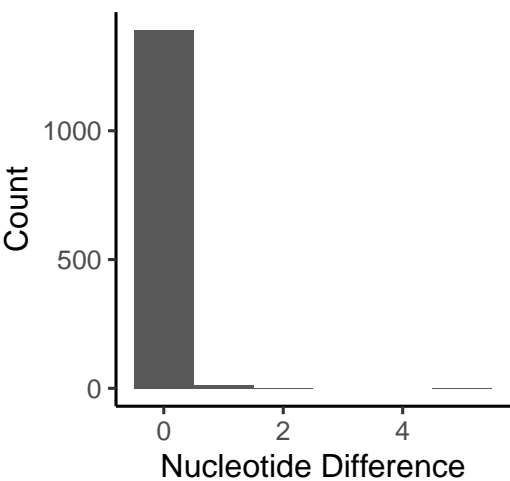
TRBV12-2*ap01

581 sequences assigned
571 (98.3%) exact matches, in which:
559 unique CDR3
13 unique J



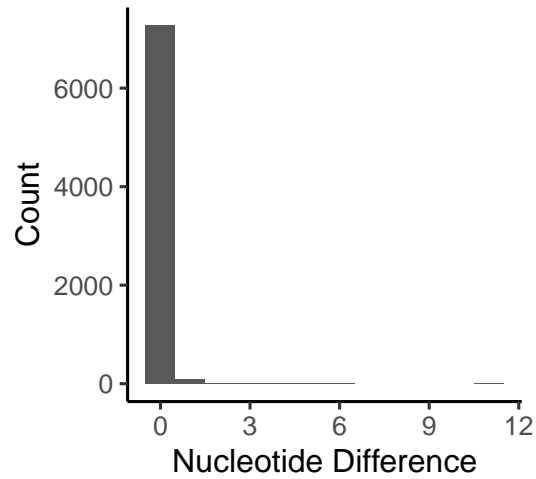
TRBV23-1*ap01

1407 sequences assigned
1391 (98.9%) exact matches, in which:
1349 unique CDR3
13 unique J



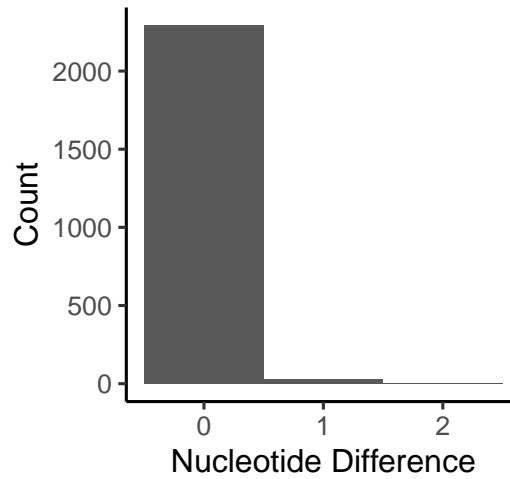
TRBV3-12*ap01

7372 sequences assigned
7274 (98.7%) exact matches, in which:
7091 unique CDR3
14 unique J



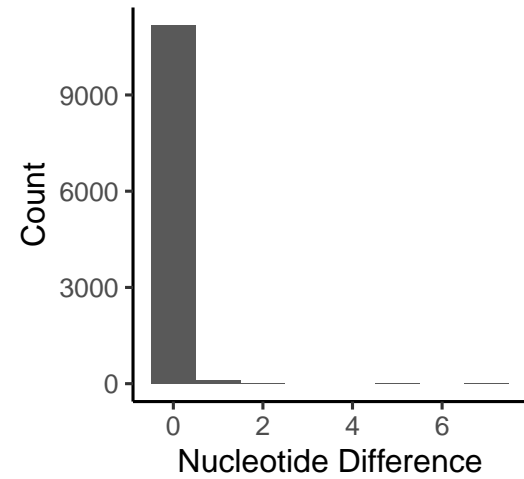
TRBV4-2*ap01

2321 sequences assigned
2292 (98.8%) exact matches, in which:
2233 unique CDR3
13 unique J



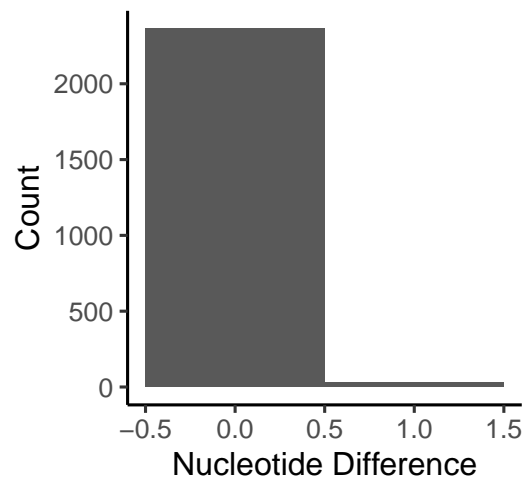
TRBV5-1*ap01

11298 sequences assigned
11168 (98.8%) exact matches, in which:
10896 unique CDR3
13 unique J



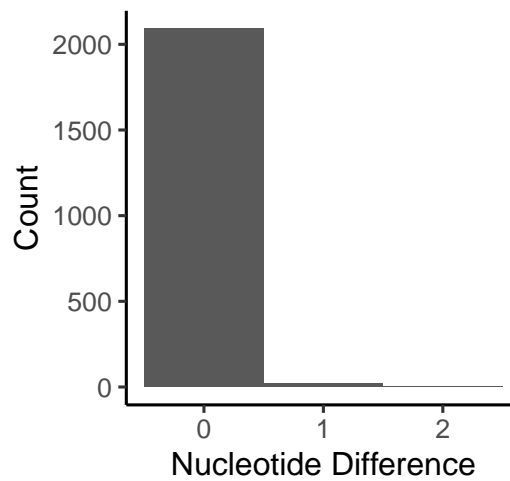
TRBV4-1*ap01

2393 sequences assigned
2363 (98.7%) exact matches, in which:
2307 unique CDR3
13 unique J



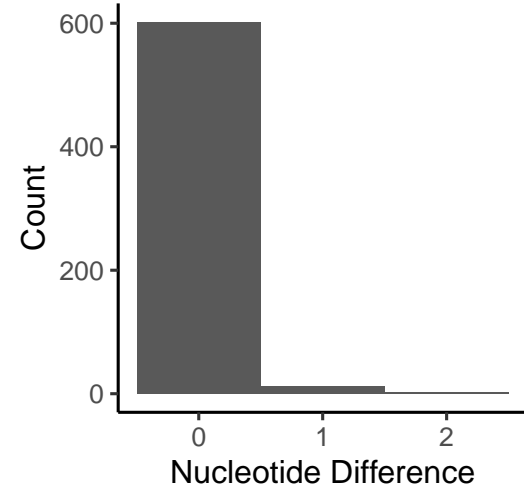
TRBV4-3*ap01

2113 sequences assigned
2091 (99%) exact matches, in which:
2043 unique CDR3
13 unique J



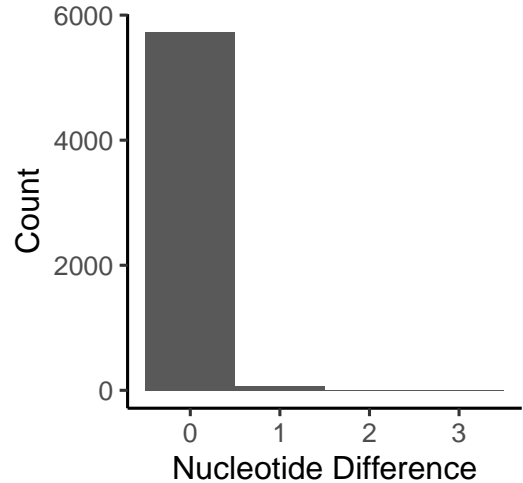
TRBV5-3*ap01

617 sequences assigned
602 (97.6%) exact matches, in which:
591 unique CDR3
13 unique J



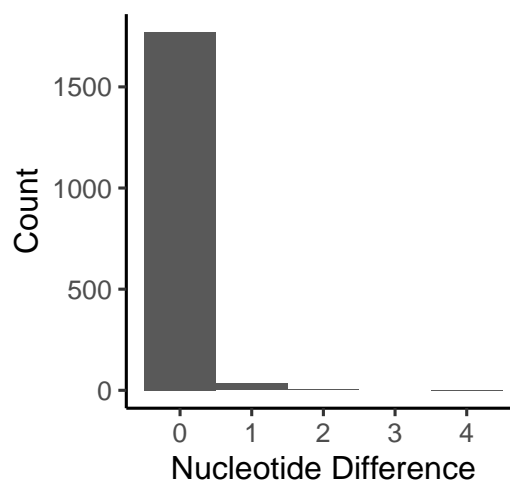
TRBV24-1*ap01

5810 sequences assigned
5729 (98.6%) exact matches, in which:
5630 unique CDR3
13 unique J



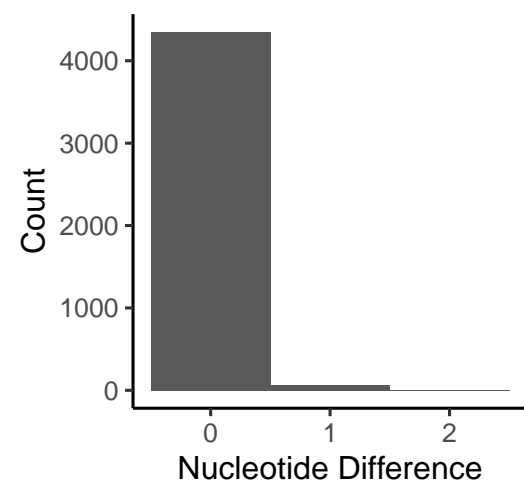
TRBV25-1*ap01

1809 sequences assigned
1771 (97.9%) exact matches, in which:
1742 unique CDR3
13 unique J



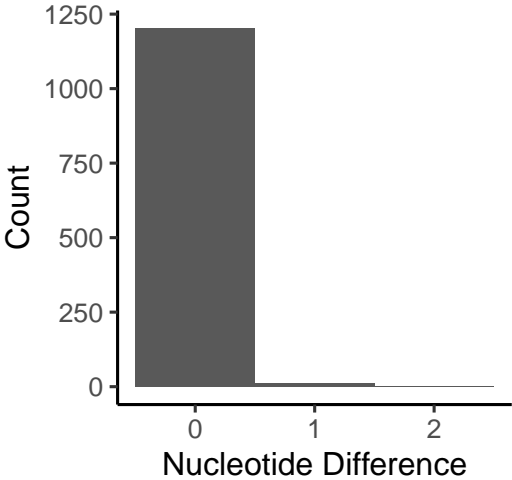
TRBV5-4*ap01

4416 sequences assigned
4349 (98.5%) exact matches, in which:
4250 unique CDR3
13 unique J



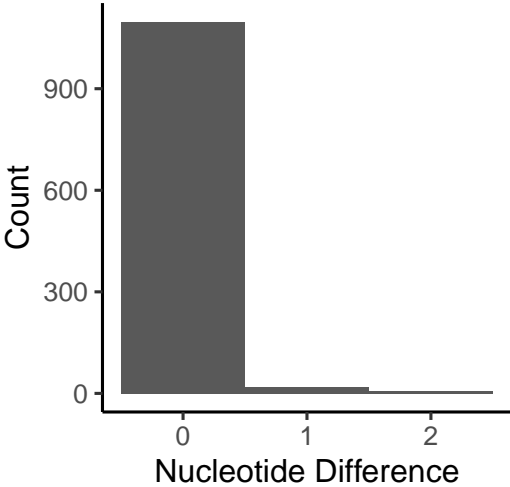
TRBV5-5*ap01

1214 sequences assigned
1202 (99%) exact matches, in which:
1183 unique CDR3
13 unique J



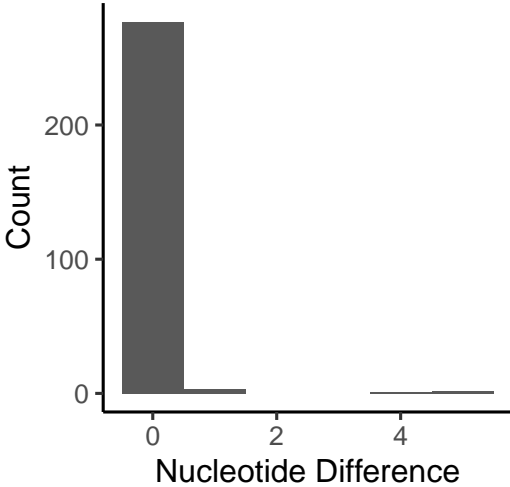
TRBV5-8*ap01

1123 sequences assigned
1098 (97.8%) exact matches, in which:
1074 unique CDR3
13 unique J



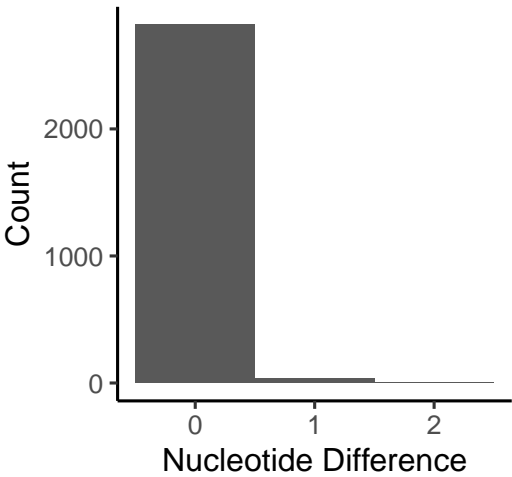
TRBV6-7*ap01

283 sequences assigned
277 (97.9%) exact matches, in which:
271 unique CDR3
13 unique J



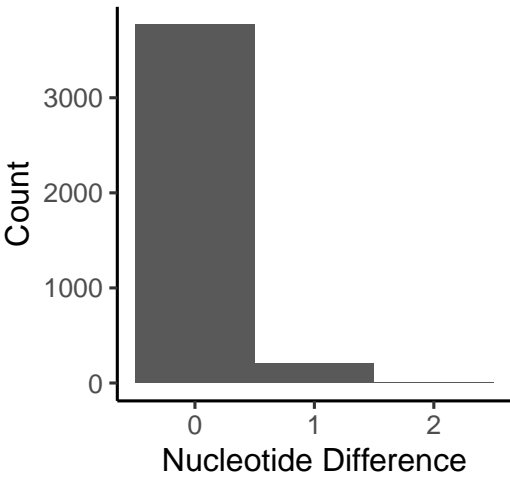
TRBV5-6*ap01

2855 sequences assigned
2820 (98.8%) exact matches, in which:
2749 unique CDR3
13 unique J



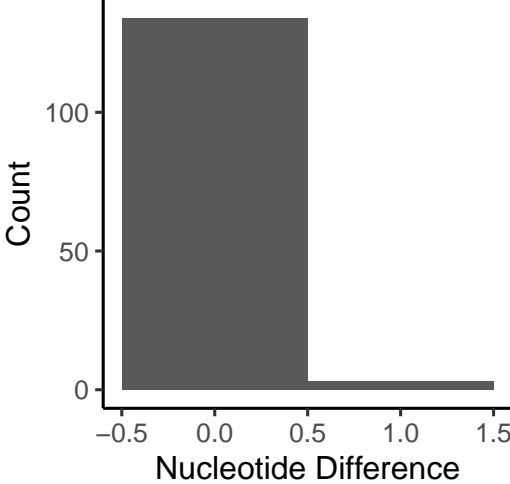
TRBV6-1*ap01

3985 sequences assigned
3768 (94.6%) exact matches, in which:
3698 unique CDR3
13 unique J



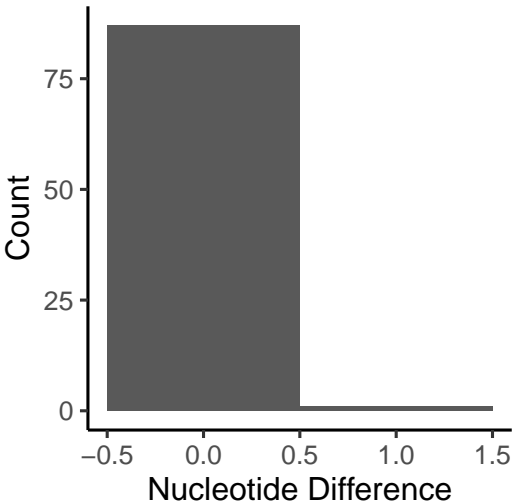
TRBV6-8*ap01

137 sequences assigned
134 (97.8%) exact matches, in which:
131 unique CDR3
12 unique J



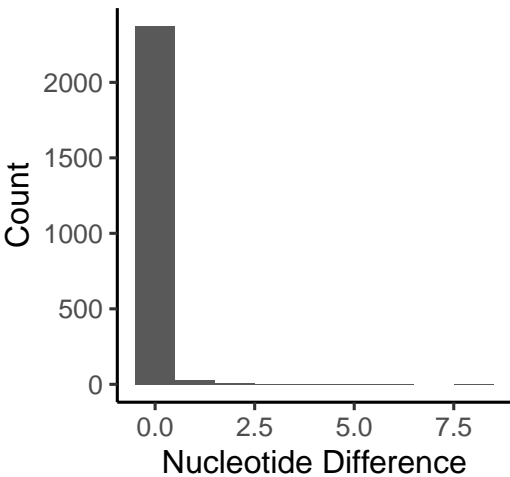
TRBV5-7*ap01

88 sequences assigned
87 (98.9%) exact matches, in which:
86 unique CDR3
12 unique J



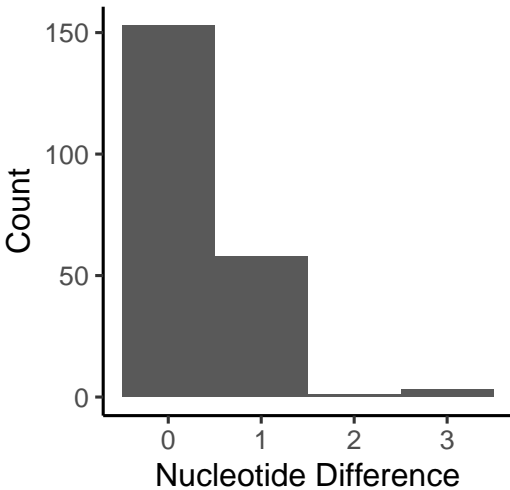
TRBV6-4*ap01

2414 sequences assigned
2373 (98.3%) exact matches, in which:
2332 unique CDR3
13 unique J



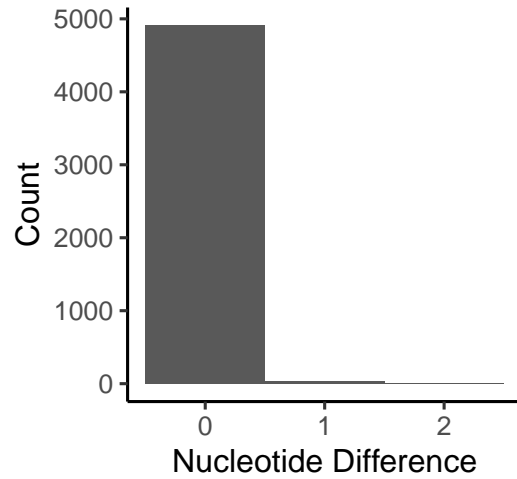
TRBV6-9*ap01

215 sequences assigned
153 (71.2%) exact matches, in which:
147 unique CDR3
13 unique J



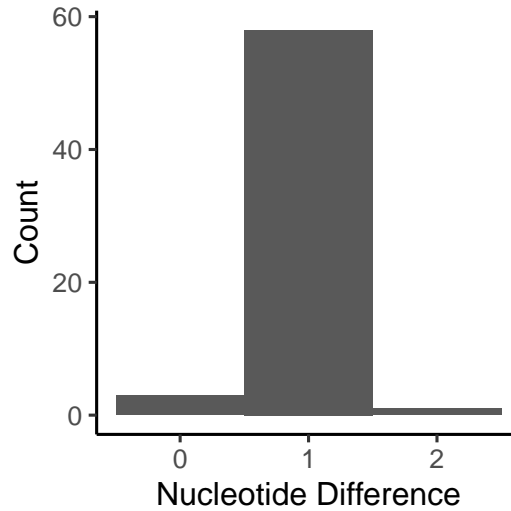
TRBV6-23*ap01

4950 sequences assigned
4910 (99.2%) exact matches, in which:
4788 unique CDR3
13 unique J



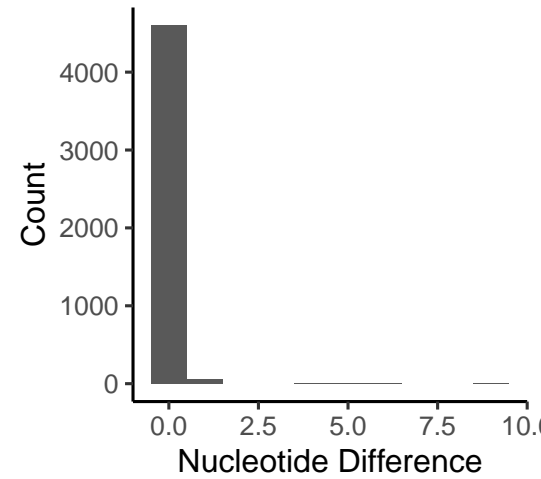
TRBV7-1*ap01_T296C

62 sequences assigned
3 (4.8%) exact matches, in which:
3 unique CDR3
3 unique J



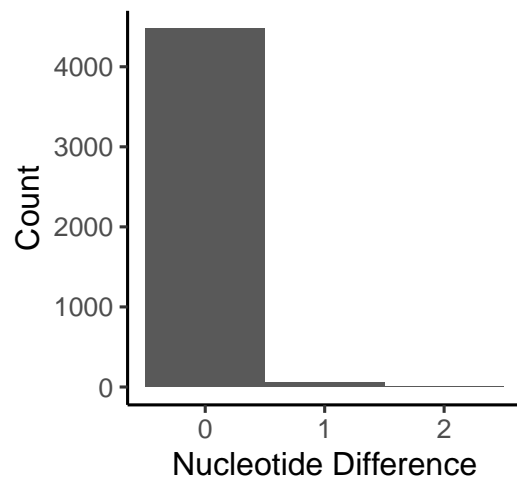
TRBV7-3*ap01

4666 sequences assigned
4600 (98.6%) exact matches, in which:
4491 unique CDR3
13 unique J



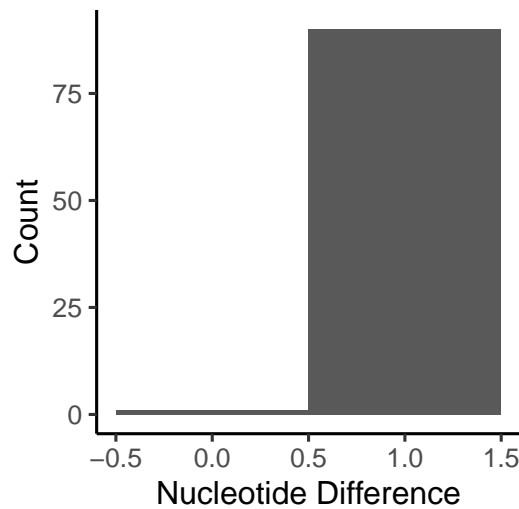
TRBV6-56*ap01

4539 sequences assigned
4475 (98.6%) exact matches, in which:
4379 unique CDR3
13 unique J



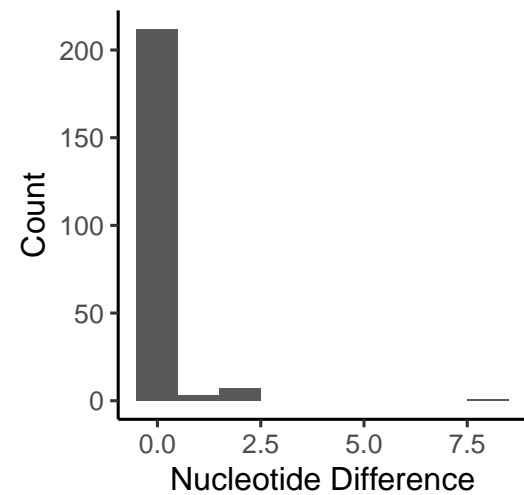
TRBV7-1*ap01_T296C_C

91 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



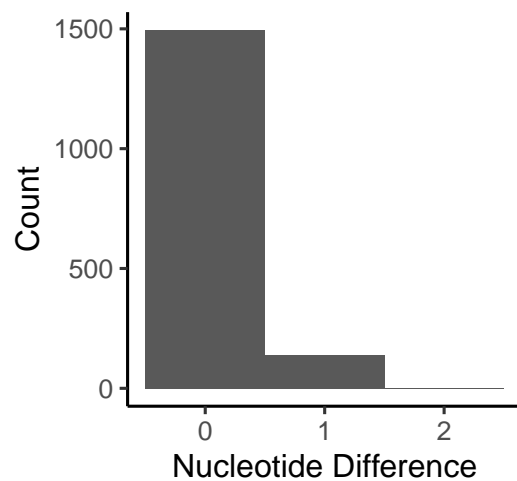
TRBV7-4*ap01

223 sequences assigned
212 (95.1%) exact matches, in which:
201 unique CDR3
13 unique J



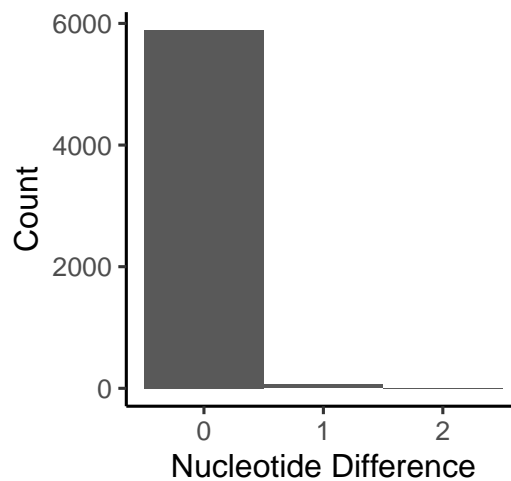
TRBV6-56*ap02

1634 sequences assigned
1495 (91.5%) exact matches, in which:
1455 unique CDR3
13 unique J



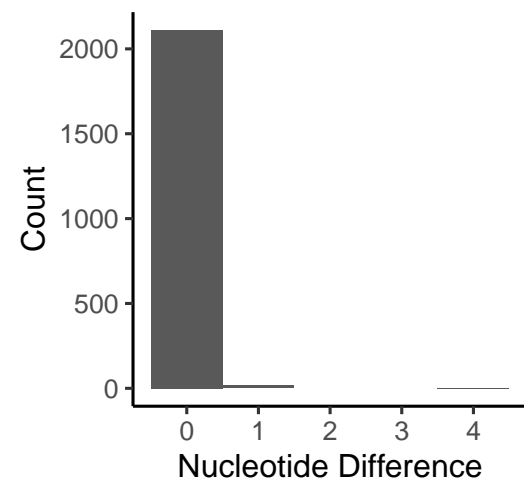
TRBV7-2*ap01

5952 sequences assigned
5891 (99%) exact matches, in which:
5748 unique CDR3
13 unique J



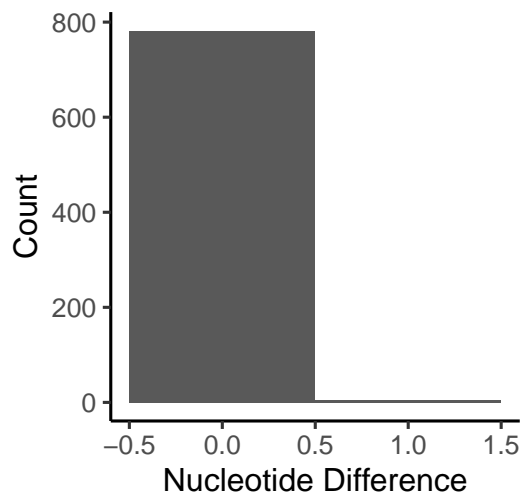
TRBV7-6*ap01

2129 sequences assigned
2111 (99.2%) exact matches, in which:
2056 unique CDR3
13 unique J



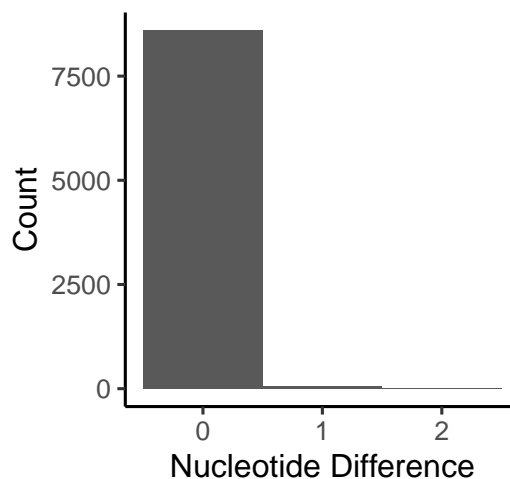
TRBV7-7*ap01

787 sequences assigned
782 (99.4%) exact matches, in which:
767 unique CDR3
13 unique J



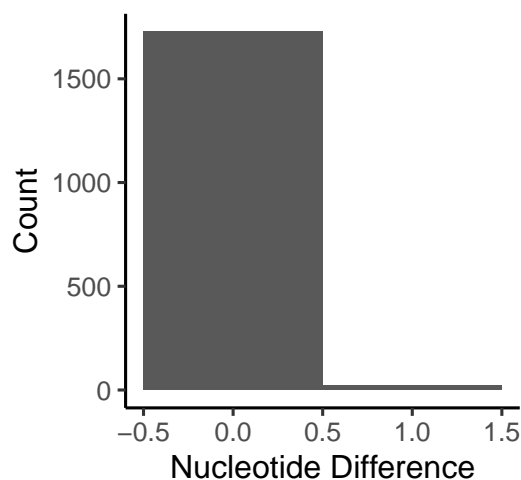
TRBV7-9*ap01

8666 sequences assigned
8597 (99.2%) exact matches, in which:
8424 unique CDR3
13 unique J



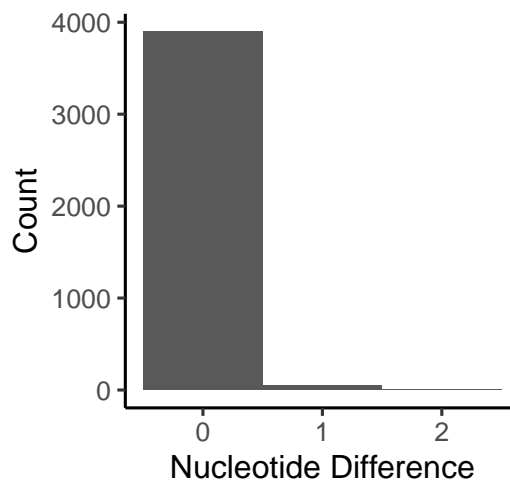
TRBV7-8*ap01

1751 sequences assigned
1727 (98.6%) exact matches, in which:
1673 unique CDR3
13 unique J



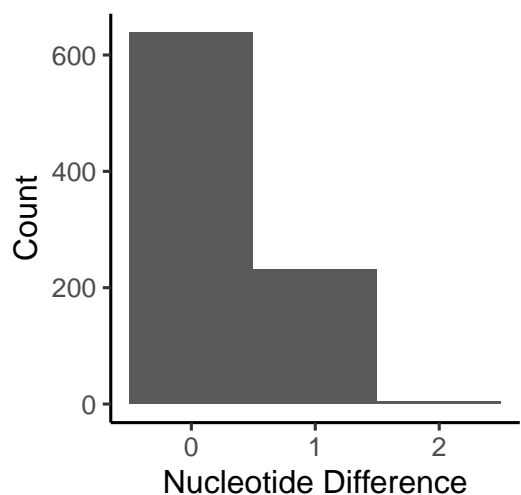
TRBV29-1*ap01

3956 sequences assigned
3897 (98.5%) exact matches, in which:
3812 unique CDR3
13 unique J



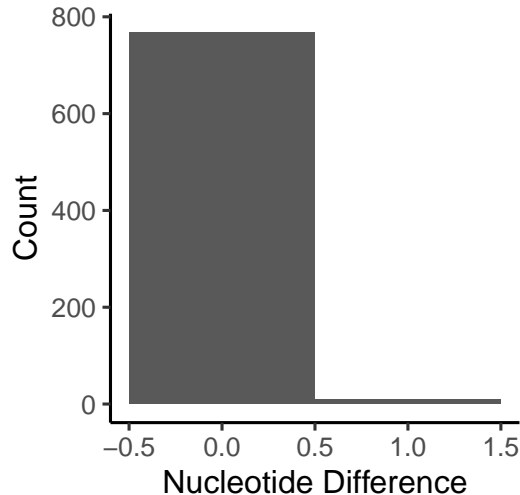
TRBV7-8*ap03

874 sequences assigned
639 (73.1%) exact matches, in which:
620 unique CDR3
13 unique J

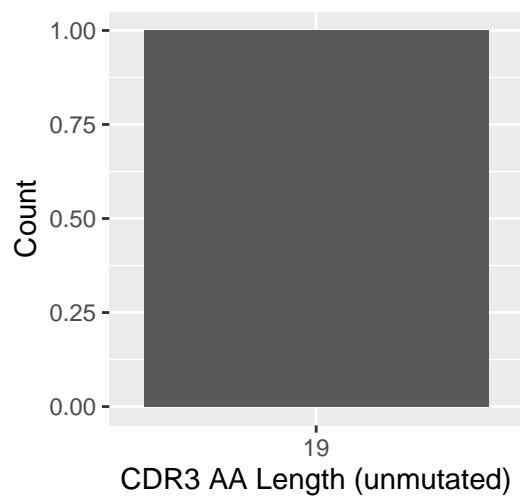


TRBV29-1*ap02

778 sequences assigned
768 (98.7%) exact matches, in which:
753 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C

