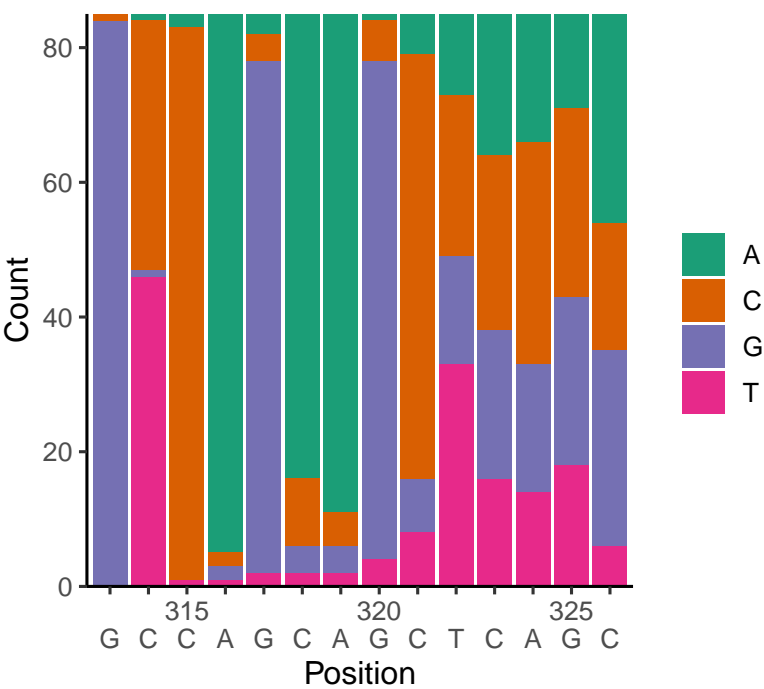
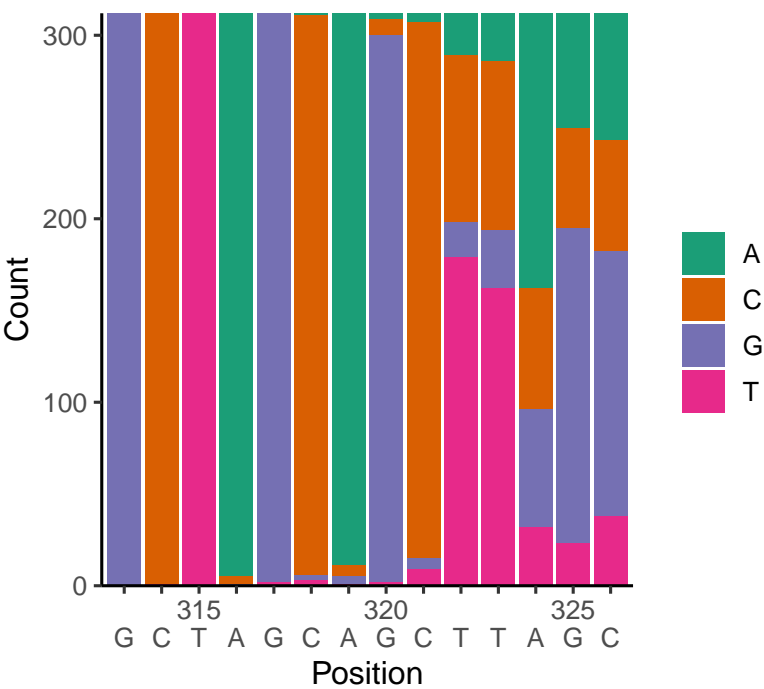


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



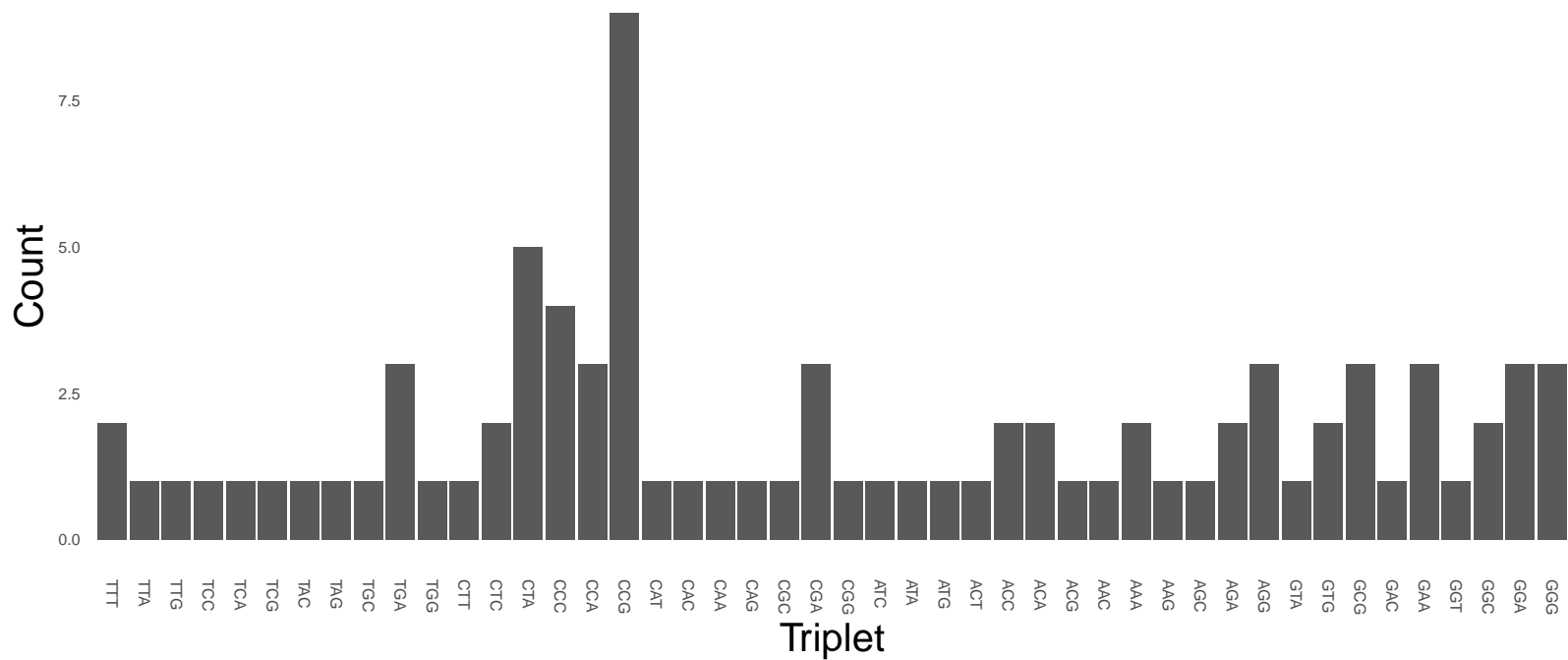
Gene TRBV7-1*ap01_T296C



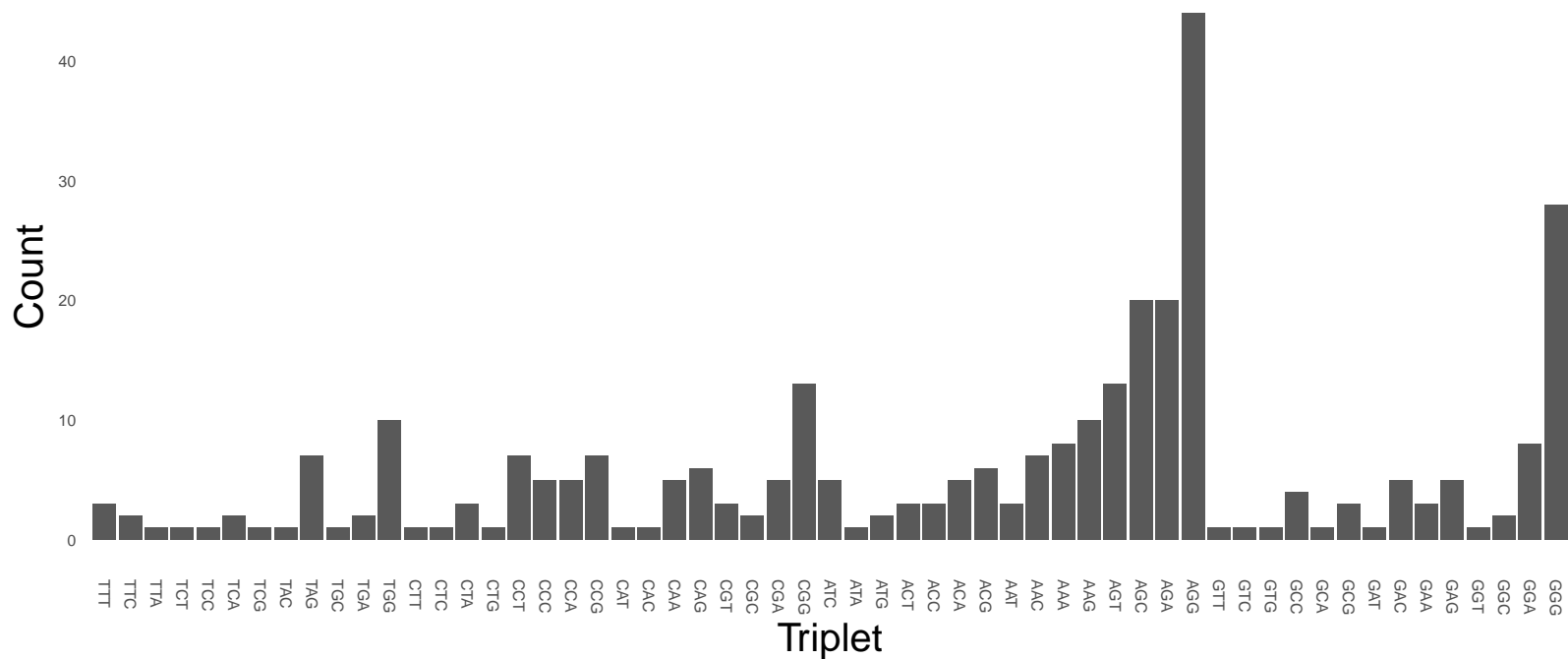
Gene TRBV7-7*ap01_C315T



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

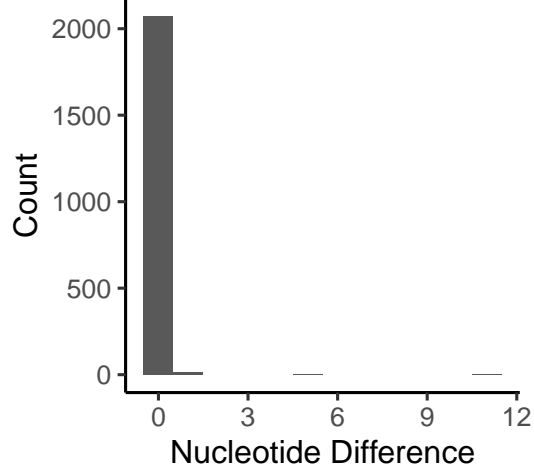


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



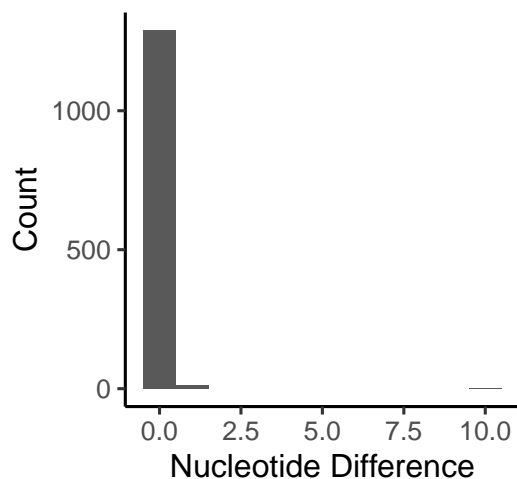
TRBV10-1*ap01

2090 sequences assigned
2071 (99.1%) exact matches, in which:
2032 unique CDR3
13 unique J



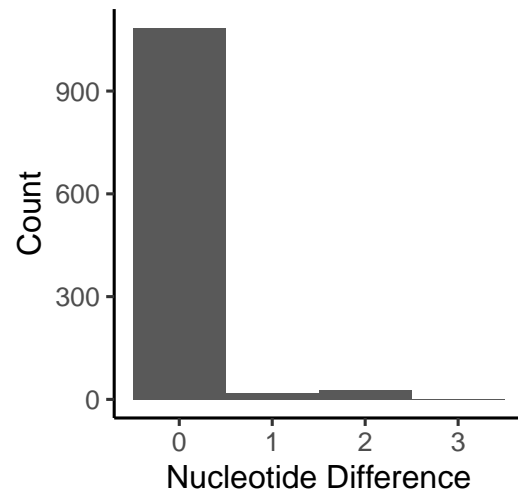
TRBV10-2*ap01

1304 sequences assigned
1289 (98.8%) exact matches, in which:
1269 unique CDR3
13 unique J



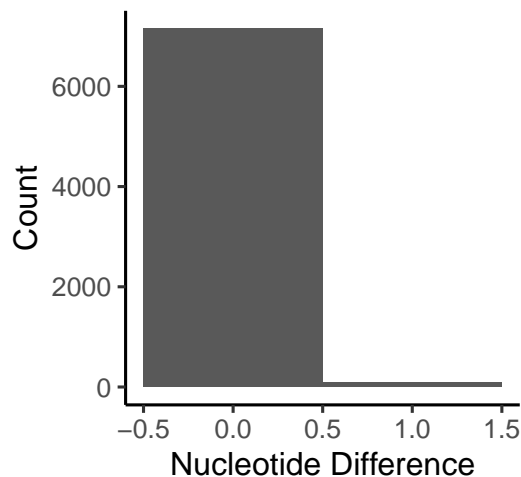
TRBV13*ap01

1133 sequences assigned
1085 (95.8%) exact matches, in which:
1062 unique CDR3
13 unique J



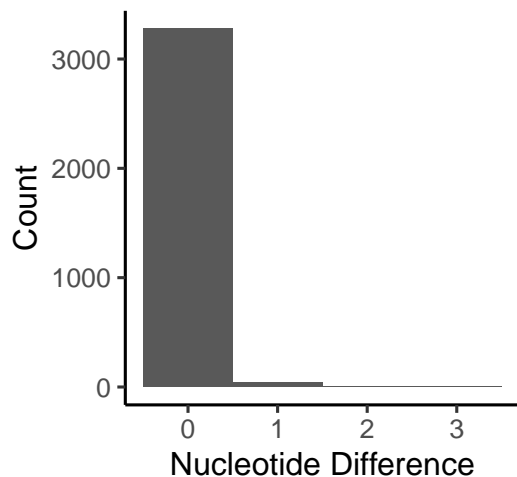
TRBV20-1*ap01

7247 sequences assigned
7150 (98.7%) exact matches, in which:
7042 unique CDR3
13 unique J



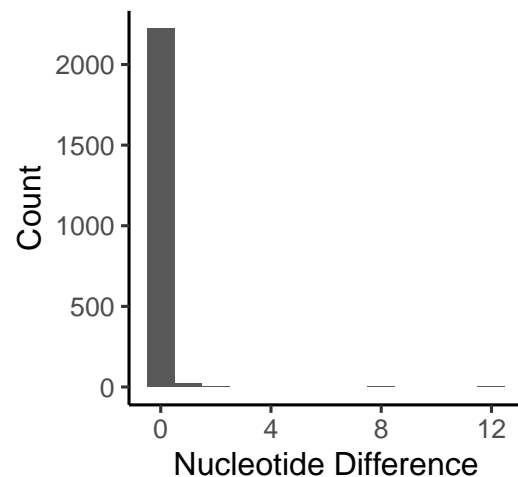
TRBV10-3*ap01

3316 sequences assigned
3277 (98.8%) exact matches, in which:
3219 unique CDR3
13 unique J



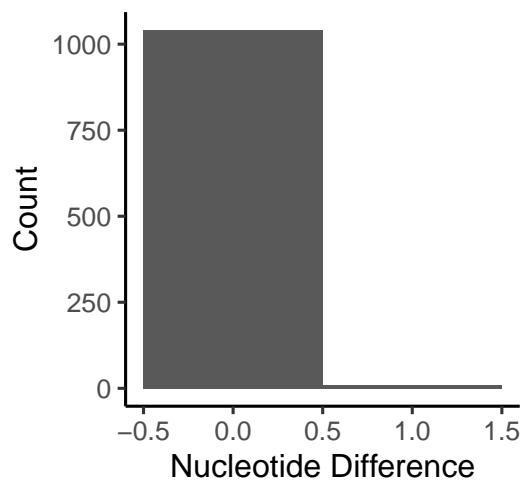
TRBV14*ap01

2250 sequences assigned
2222 (98.8%) exact matches, in which:
2184 unique CDR3
13 unique J



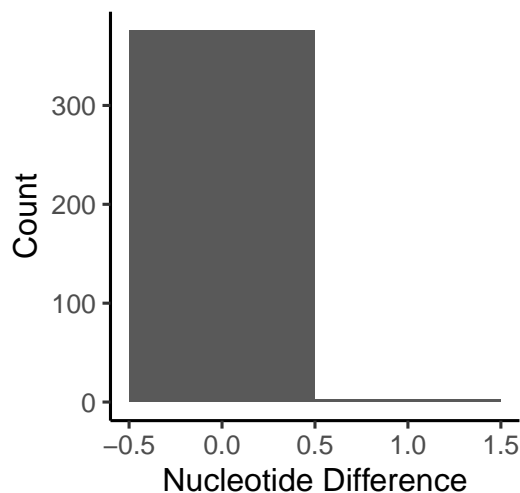
TRBV20-1*ap02

1051 sequences assigned
1041 (99%) exact matches, in which:
1026 unique CDR3
13 unique J



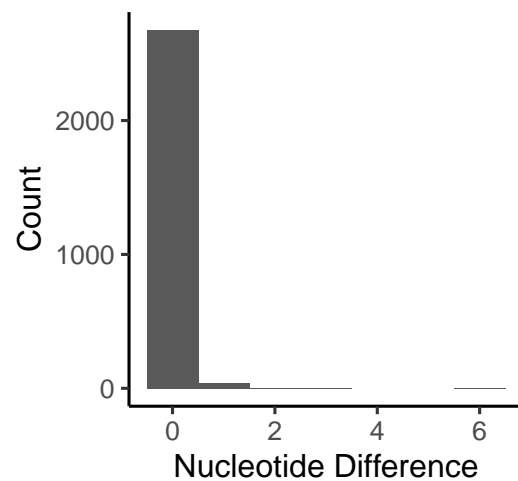
TRBV1*ap01

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



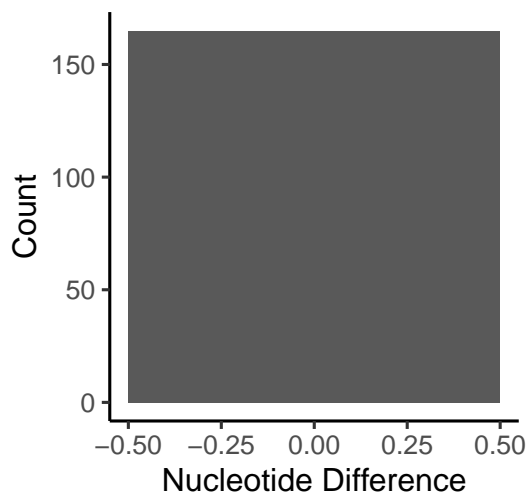
TRBV15*ap02

2720 sequences assigned
2676 (98.4%) exact matches, in which:
2624 unique CDR3
13 unique J



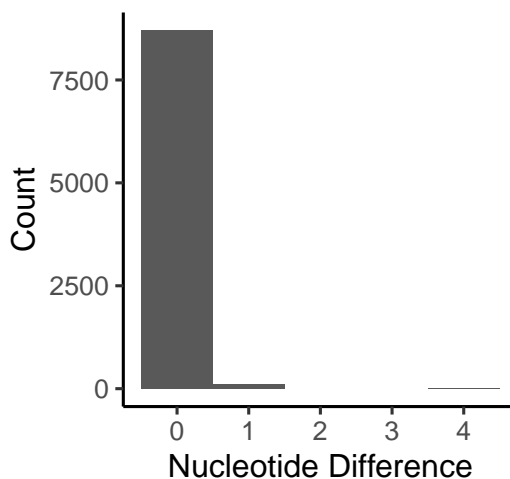
TRBV16*ap01

165 sequences assigned
165 (100%) exact matches, in which:
162 unique CDR3
12 unique J



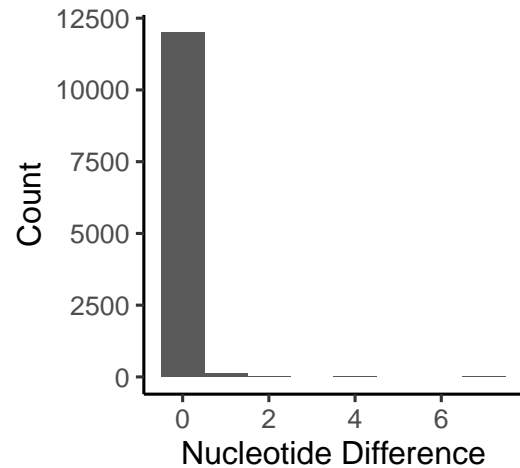
TRBV2*ap01

8818 sequences assigned
8704 (98.7%) exact matches, in which:
8531 unique CDR3
13 unique J



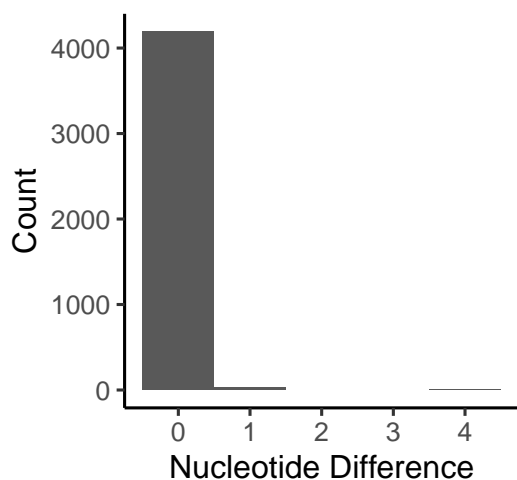
TRBV28*ap01

12137 sequences assigned
12013 (99%) exact matches, in which:
11845 unique CDR3
14 unique J



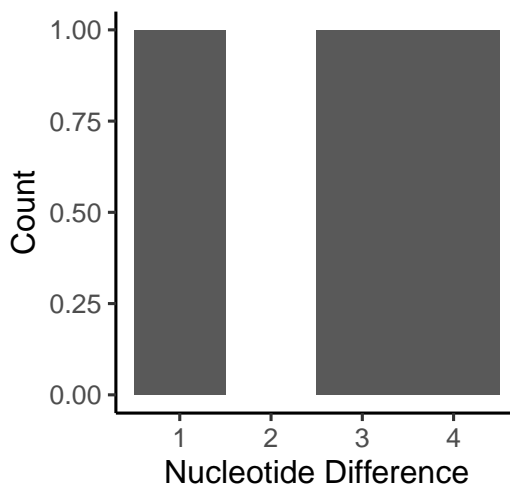
TRBV18*ap01

4220 sequences assigned
4191 (99.3%) exact matches, in which:
4157 unique CDR3
13 unique J



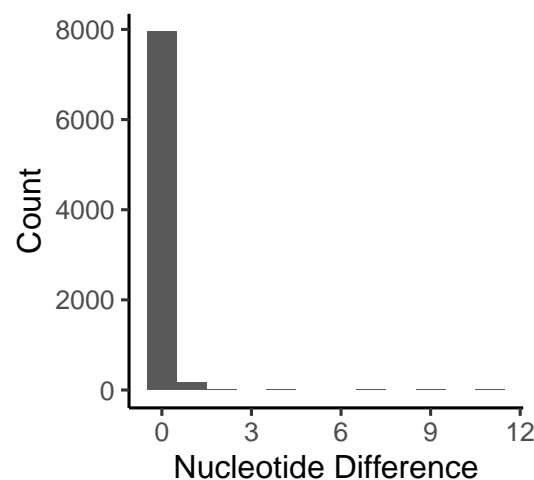
TRBV26*ap01

3 sequences assigned
No exact matches.



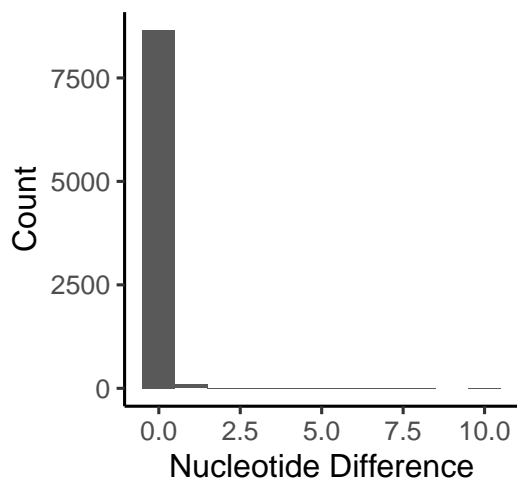
TRBV30*ap01

8123 sequences assigned
7949 (97.9%) exact matches, in which:
7793 unique CDR3
13 unique J



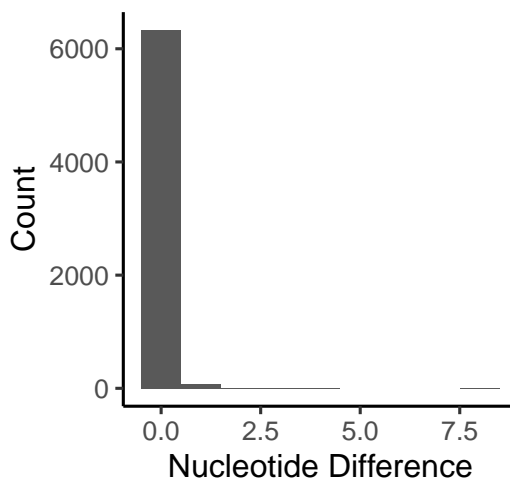
TRBV19*ap01

8766 sequences assigned
8657 (98.8%) exact matches, in which:
8574 unique CDR3
13 unique J



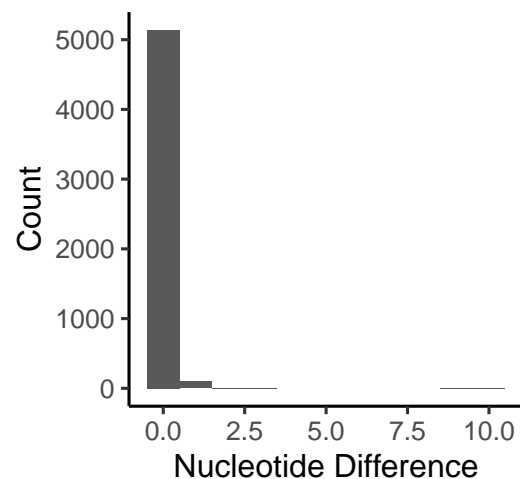
TRBV27*ap01

6422 sequences assigned
6331 (98.6%) exact matches, in which:
6238 unique CDR3
13 unique J



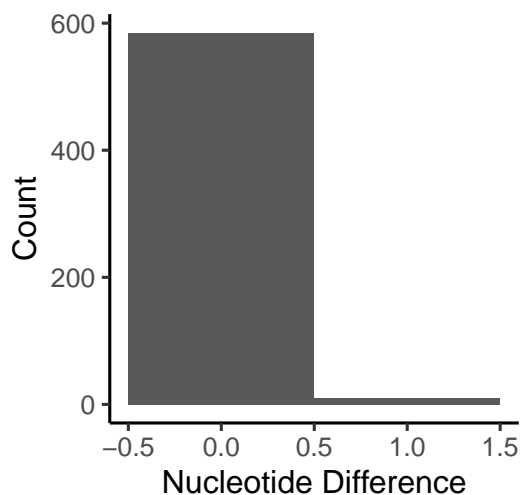
TRBV9*ap01

5240 sequences assigned
5138 (98.1%) exact matches, in which:
5067 unique CDR3
13 unique J



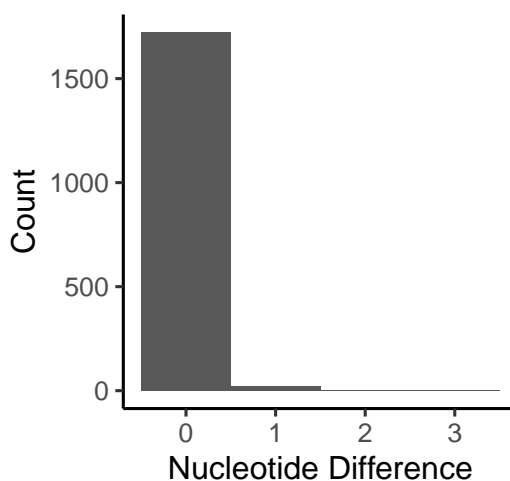
TRBV11-1*ap01

595 sequences assigned
585 (98.3%) exact matches, in which:
574 unique CDR3
13 unique J



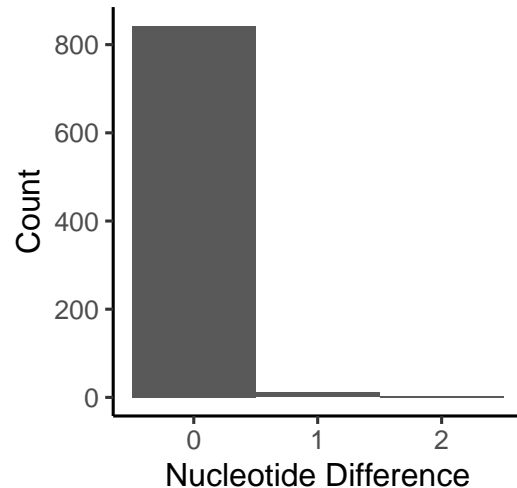
TRBV11-3*ap01

1746 sequences assigned
1722 (98.6%) exact matches, in which:
1694 unique CDR3
13 unique J



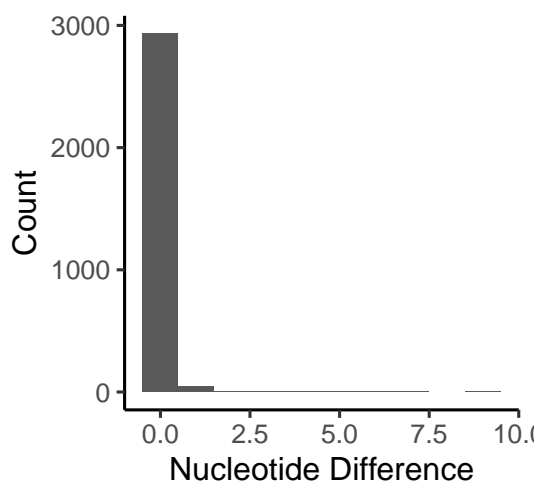
TRBV12-5*ap01

857 sequences assigned
843 (98.4%) exact matches, in which:
834 unique CDR3
13 unique J



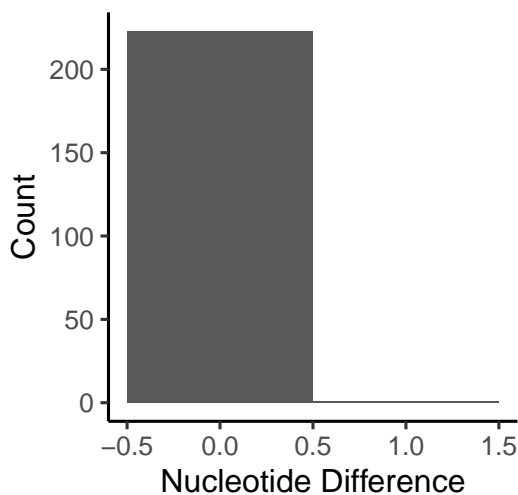
TRBV21-1*ap01

2987 sequences assigned
2932 (98.2%) exact matches, in which:
2915 unique CDR3
13 unique J



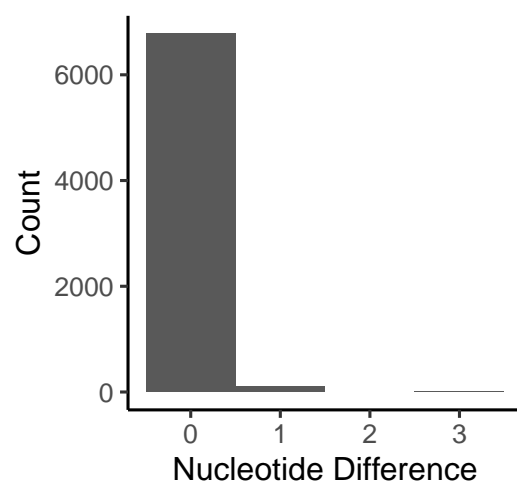
TRBV12-1*ap01

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



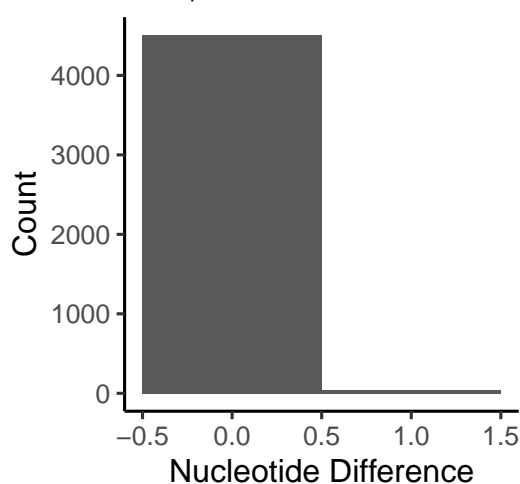
TRBV12-34*ap01

6880 sequences assigned
6777 (98.5%) exact matches, in which:
6647 unique CDR3
13 unique J



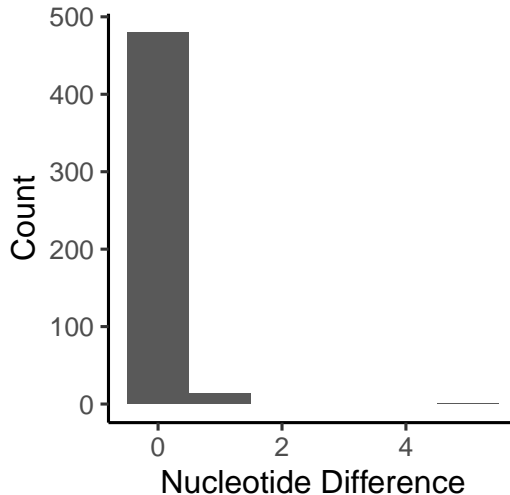
TRBV11-2*ap01

4548 sequences assigned
4508 (99.1%) exact matches, in which:
4446 unique CDR3
13 unique J



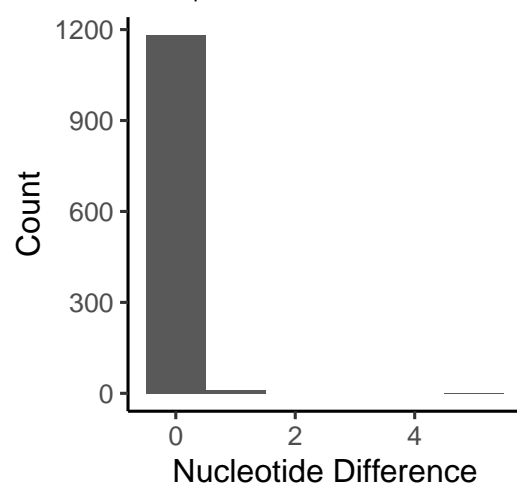
TRBV12-2*ap01

495 sequences assigned
480 (97%) exact matches, in which:
472 unique CDR3
13 unique J



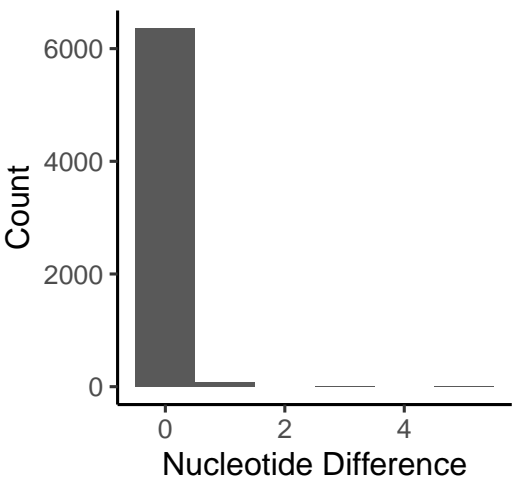
TRBV23-1*ap01

1195 sequences assigned
1182 (98.9%) exact matches, in which:
1173 unique CDR3
13 unique J



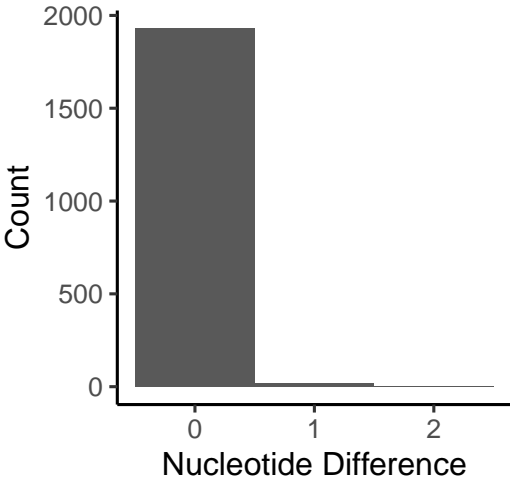
TRBV3-12*ap01

6437 sequences assigned
6359 (98.8%) exact matches, in which:
6289 unique CDR3
13 unique J



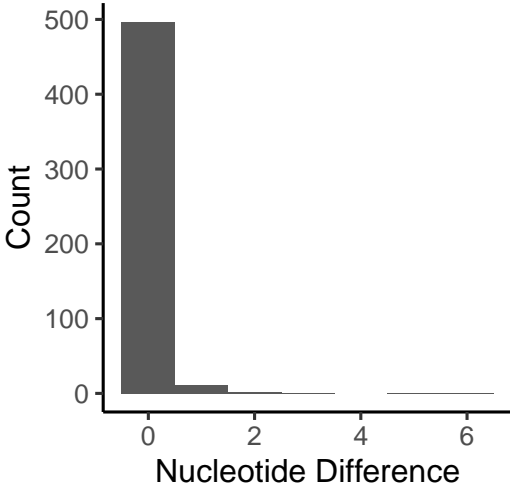
TRBV4-2*ap01

1950 sequences assigned
1930 (99%) exact matches, in which:
1877 unique CDR3
13 unique J



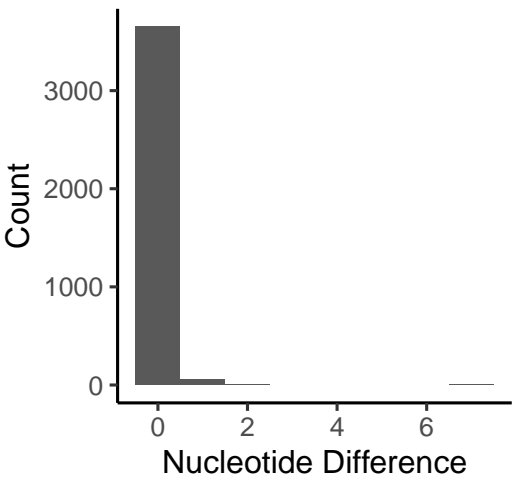
TRBV5-3*ap01

513 sequences assigned
497 (96.9%) exact matches, in which:
487 unique CDR3
13 unique J



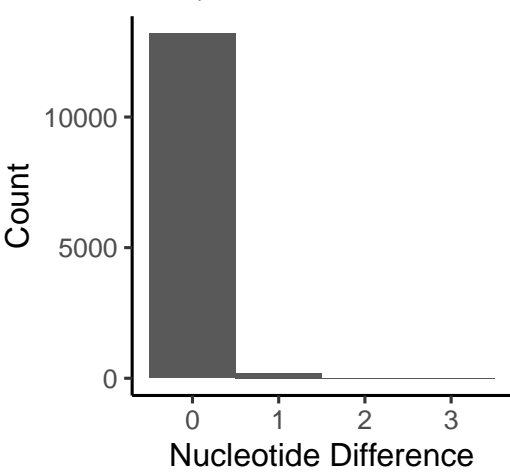
TRBV24-1*ap01

3707 sequences assigned
3651 (98.5%) exact matches, in which:
3600 unique CDR3
13 unique J



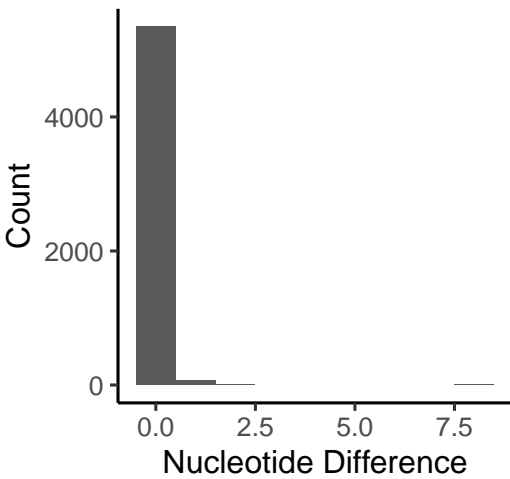
TRBV5-1*ap01

13404 sequences assigned
13199 (98.5%) exact matches, in which:
12959 unique CDR3
13 unique J



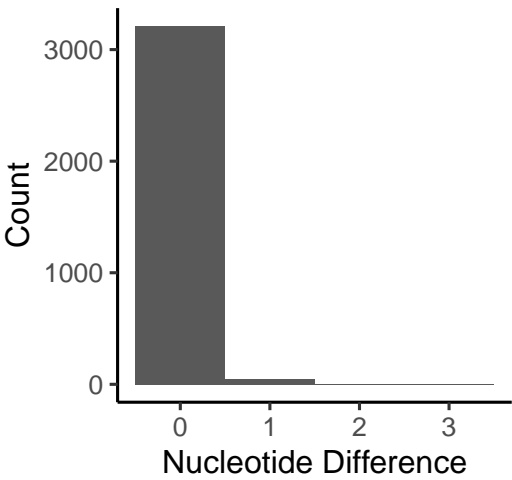
TRBV5-4*ap01

5408 sequences assigned
5346 (98.9%) exact matches, in which:
5235 unique CDR3
13 unique J



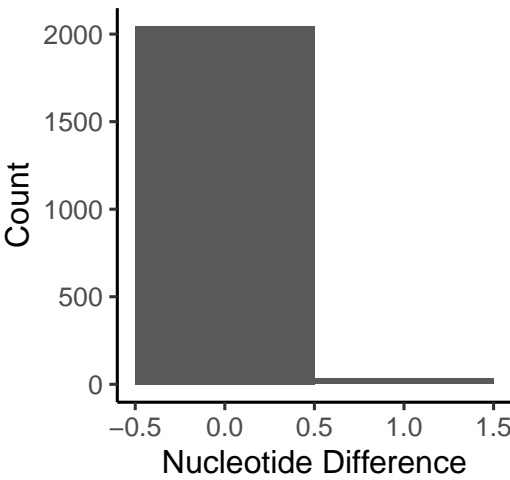
TRBV4-1*ap01

3260 sequences assigned
3211 (98.5%) exact matches, in which:
3143 unique CDR3
13 unique J



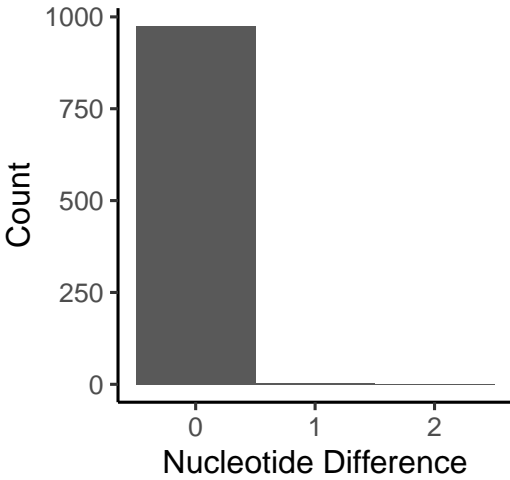
TRBV25-1*ap01

2079 sequences assigned
2046 (98.4%) exact matches, in which:
1998 unique CDR3
13 unique J



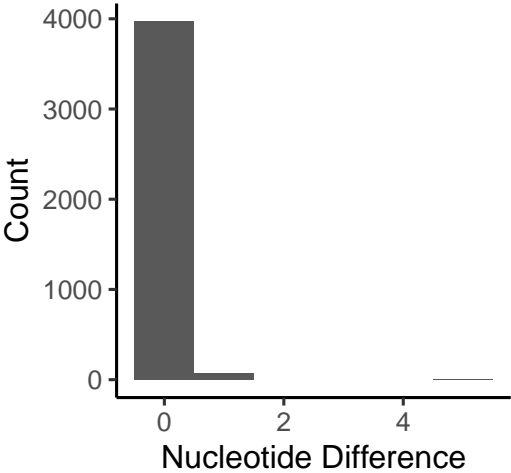
TRBV5-5*ap01

979 sequences assigned
975 (99.6%) exact matches, in which:
969 unique CDR3
13 unique J



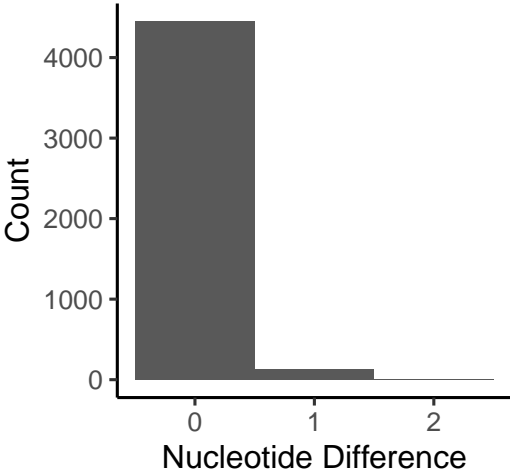
TRBV5-6*ap01

4045 sequences assigned
3971 (98.2%) exact matches, in which:
3900 unique CDR3
13 unique J



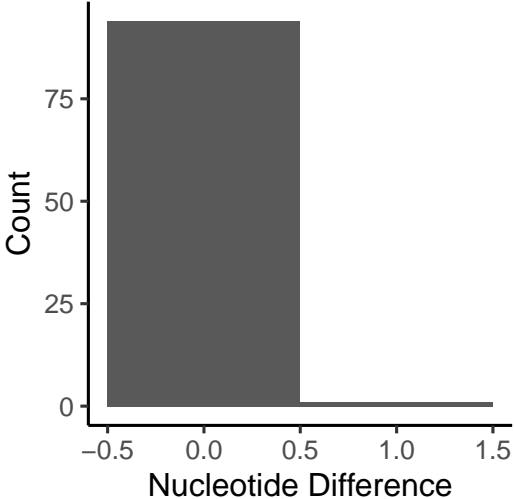
TRBV6-1*ap01

4585 sequences assigned
4449 (97%) exact matches, in which:
4335 unique CDR3
13 unique J



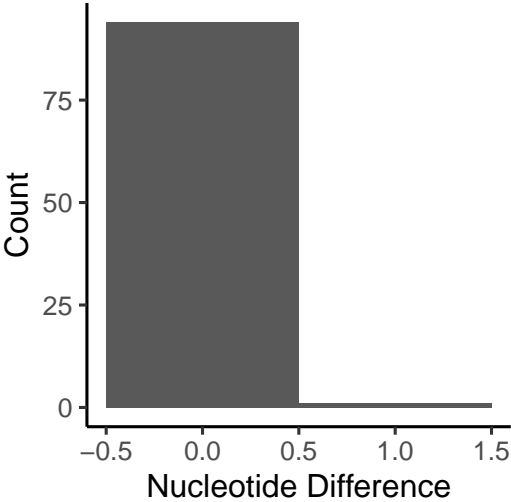
TRBV6-8*ap01

95 sequences assigned
94 (98.9%) exact matches, in which:
94 unique CDR3
11 unique J



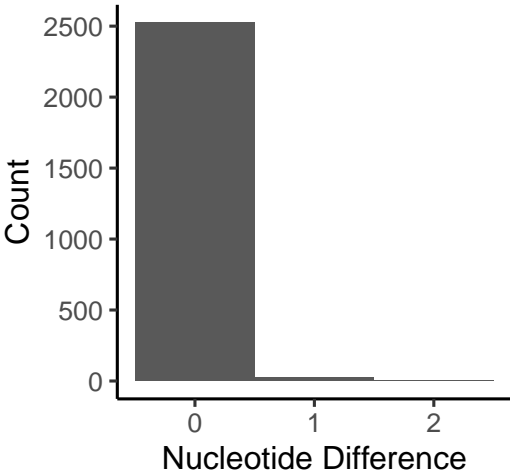
TRBV5-7*ap01

95 sequences assigned
94 (98.9%) exact matches, in which:
91 unique CDR3
11 unique J



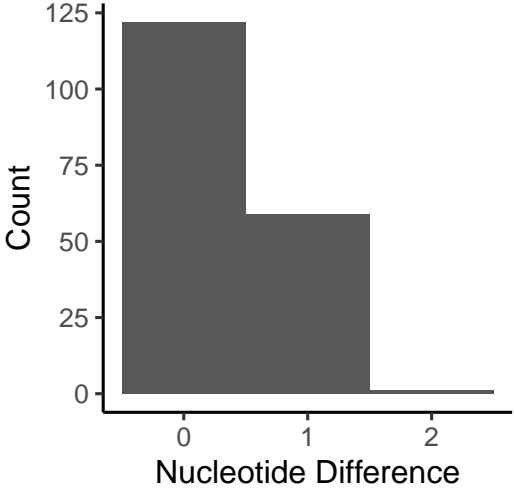
TRBV6-4*ap01

2553 sequences assigned
2524 (98.9%) exact matches, in which:
2496 unique CDR3
13 unique J



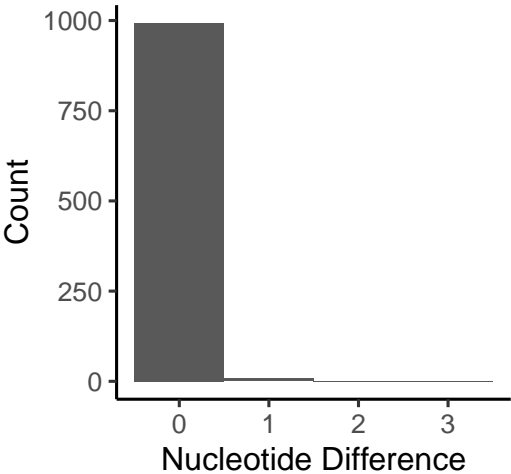
TRBV6-9*ap01

182 sequences assigned
122 (67%) exact matches, in which:
119 unique CDR3
13 unique J



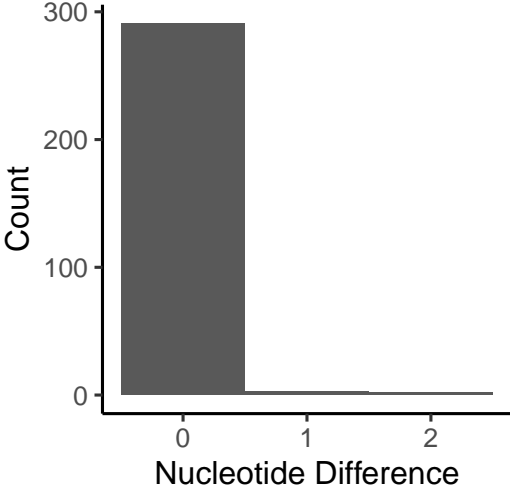
TRBV5-8*ap01

1003 sequences assigned
993 (99%) exact matches, in which:
983 unique CDR3
13 unique J



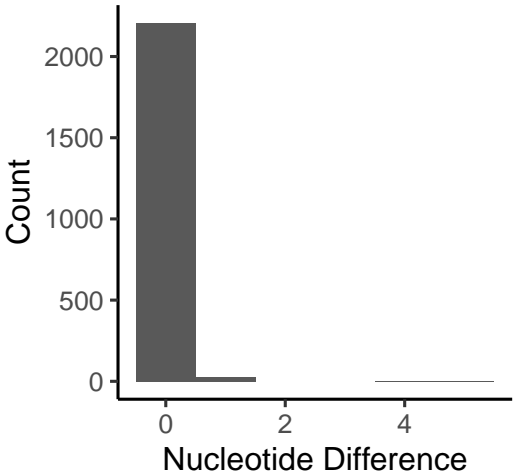
TRBV6-7*ap01

296 sequences assigned
291 (98.3%) exact matches, in which:
286 unique CDR3
13 unique J



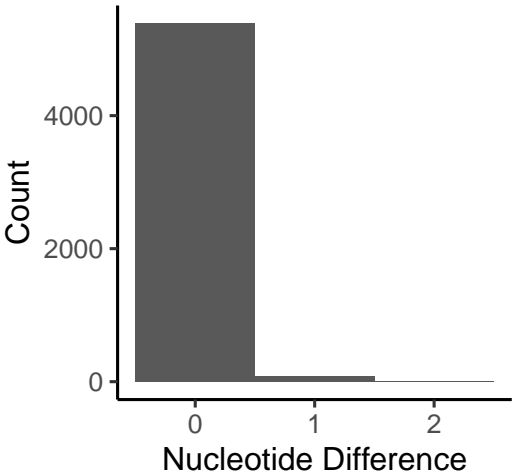
TRBV6-23*ap01

2233 sequences assigned
2206 (98.8%) exact matches, in which:
2138 unique CDR3
13 unique J



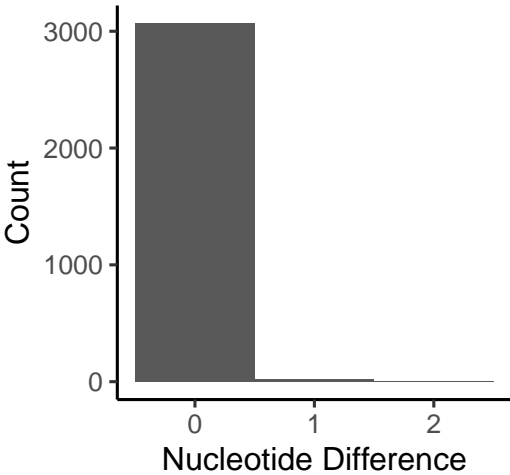
TRBV6-56*ap01

5471 sequences assigned
5387 (98.5%) exact matches, in which:
5257 unique CDR3
13 unique J



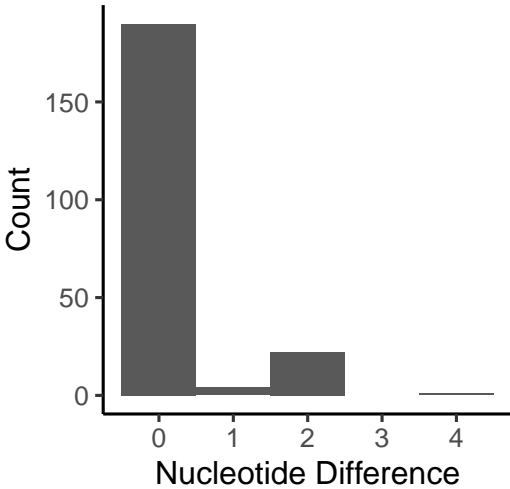
TRBV7-2*ap01

3087 sequences assigned
3067 (99.4%) exact matches, in which:
3025 unique CDR3
13 unique J



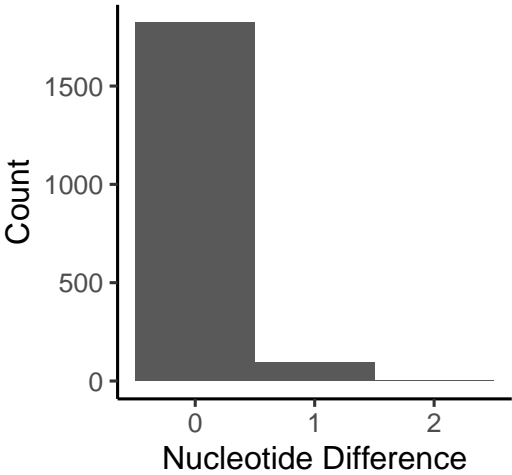
TRBV7-4*ap01

217 sequences assigned
190 (87.6%) exact matches, in which:
187 unique CDR3
13 unique J



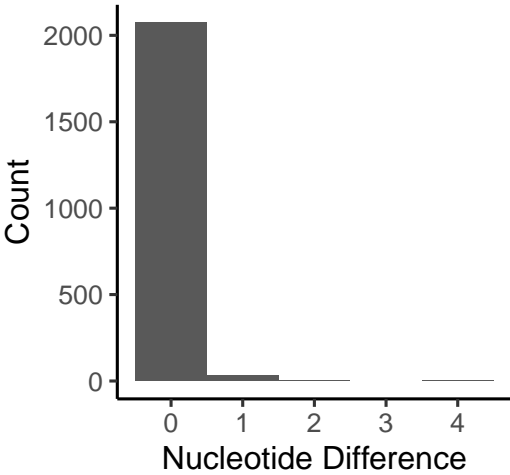
TRBV6-56*ap02

1915 sequences assigned
1822 (95.1%) exact matches, in which:
1774 unique CDR3
13 unique J



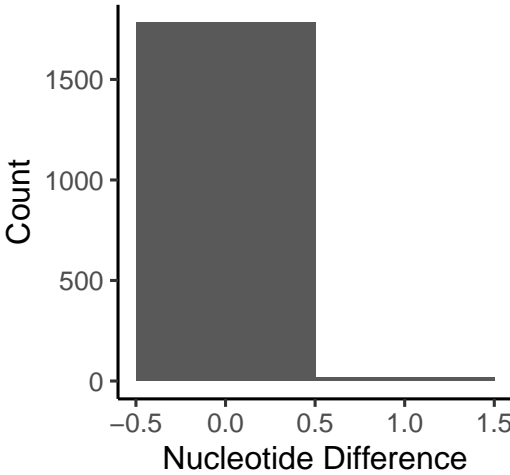
TRBV7-3*ap01

2104 sequences assigned
2073 (98.5%) exact matches, in which:
2058 unique CDR3
13 unique J



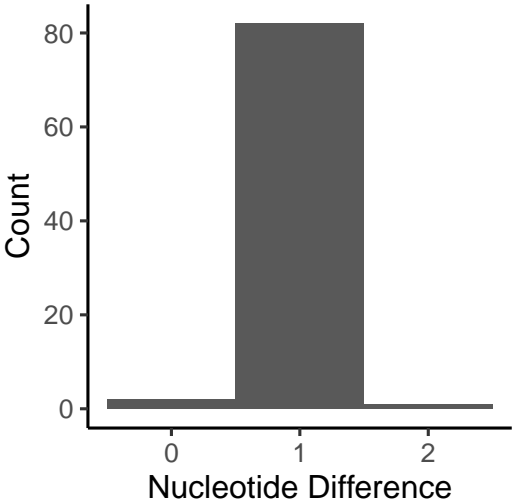
TRBV7-6*ap01

1799 sequences assigned
1782 (99.1%) exact matches, in which:
1751 unique CDR3
13 unique J



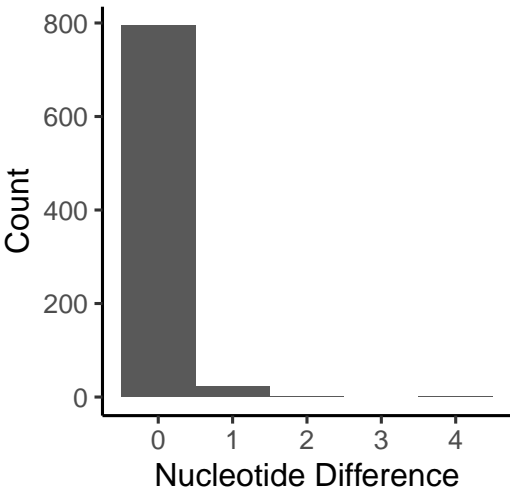
TRBV7-1*ap01_T296C

85 sequences assigned
2 (2.4%) exact matches, in which:
2 unique CDR3
2 unique J



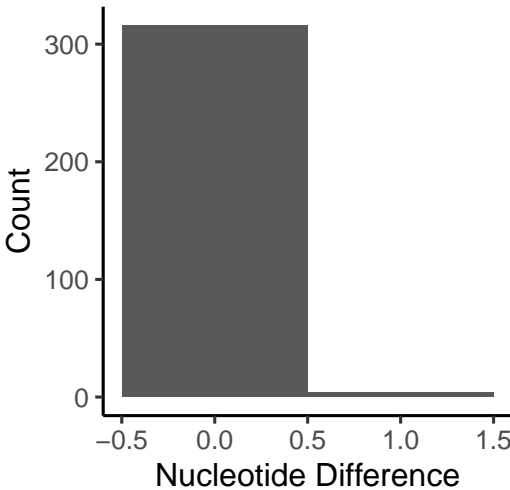
TRBV7-3*ap03

821 sequences assigned
795 (96.8%) exact matches, in which:
779 unique CDR3
13 unique J



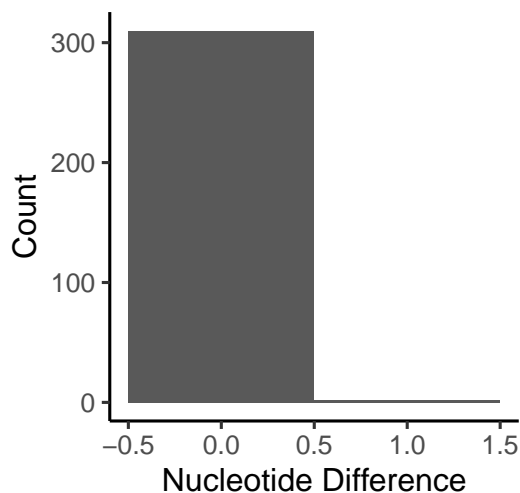
TRBV7-7*ap01

320 sequences assigned
316 (98.8%) exact matches, in which:
308 unique CDR3
13 unique J



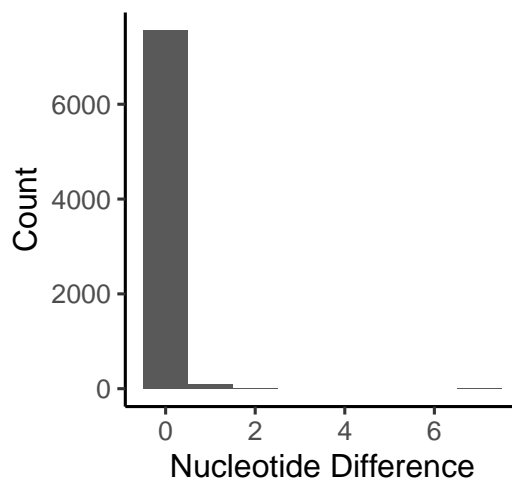
TRBV7-7*ap01_C315T

312 sequences assigned
310 (99.4%) exact matches, in which:
304 unique CDR3
13 unique J



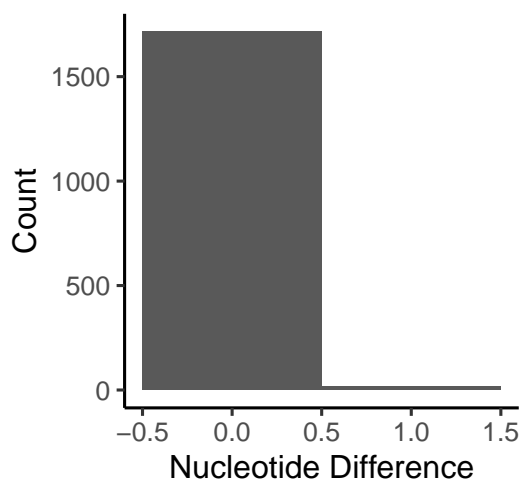
TRBV7-9*ap01

7657 sequences assigned
7558 (98.7%) exact matches, in which:
7450 unique CDR3
13 unique J



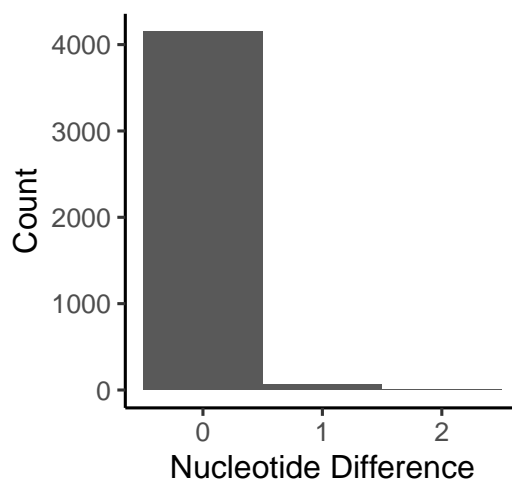
TRBV7-8*ap01

1734 sequences assigned
1715 (98.9%) exact matches, in which:
1690 unique CDR3
13 unique J



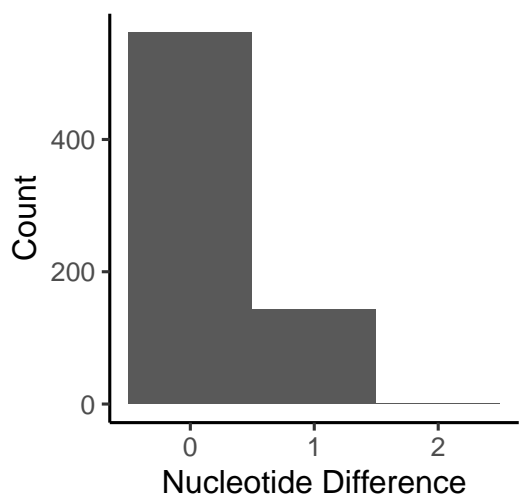
TRBV29-1*ap01

4217 sequences assigned
4149 (98.4%) exact matches, in which:
4049 unique CDR3
13 unique J



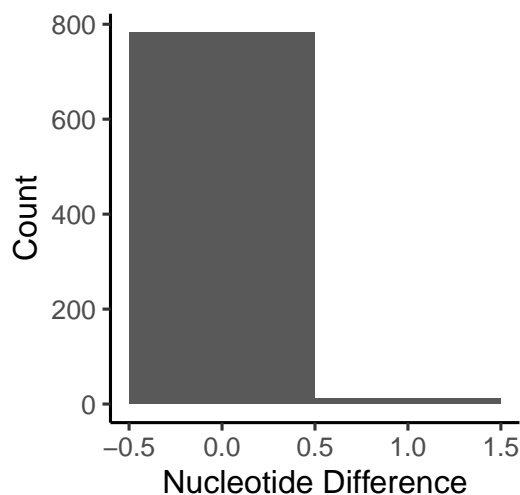
TRBV7-8*ap03

706 sequences assigned
562 (79.6%) exact matches, in which:
546 unique CDR3
13 unique J

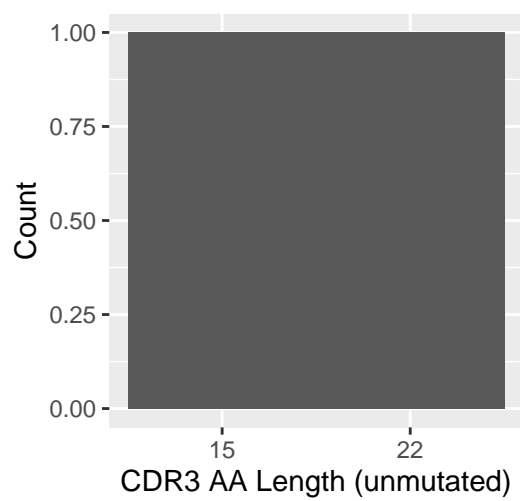


TRBV29-1*ap02

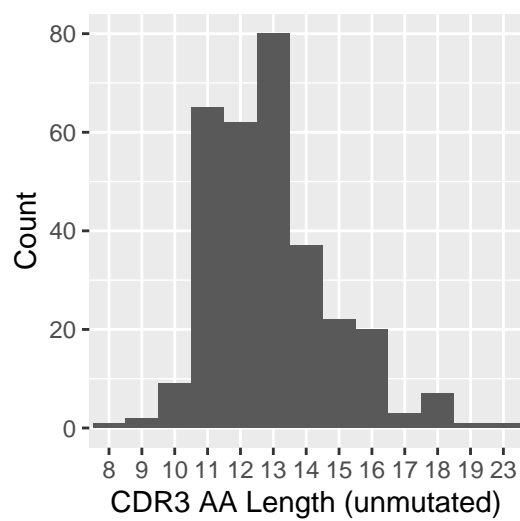
795 sequences assigned
783 (98.5%) exact matches, in which:
770 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]