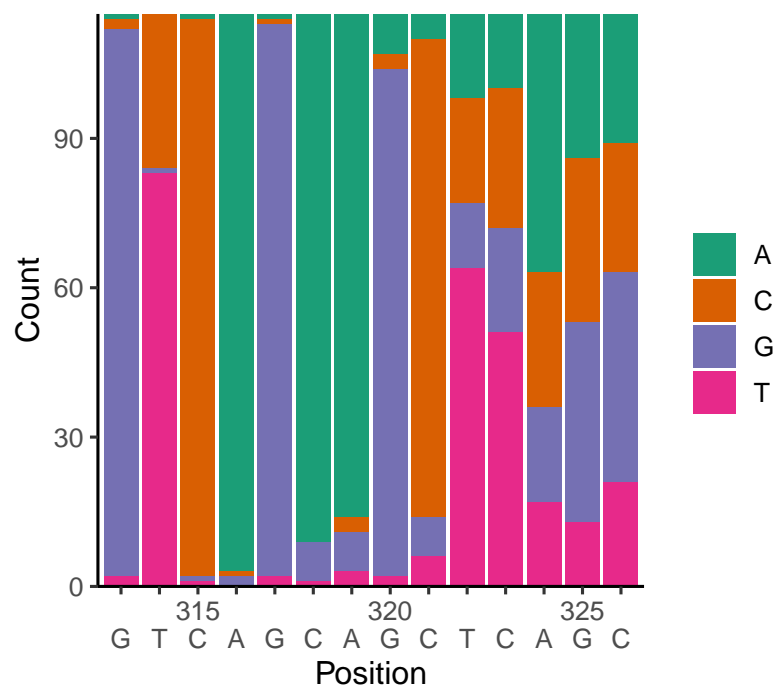
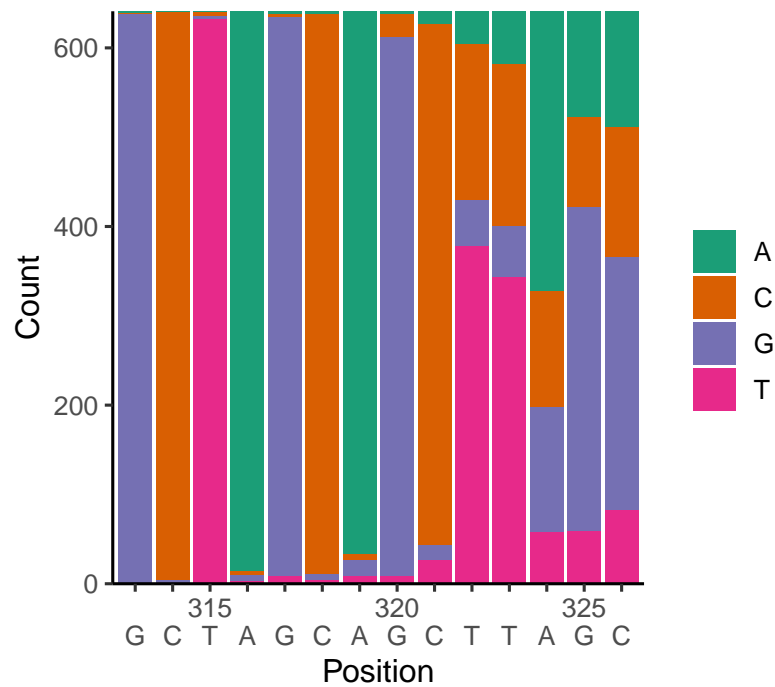


Gene TRBV7-1*ap01_G291C_T296C_C314T



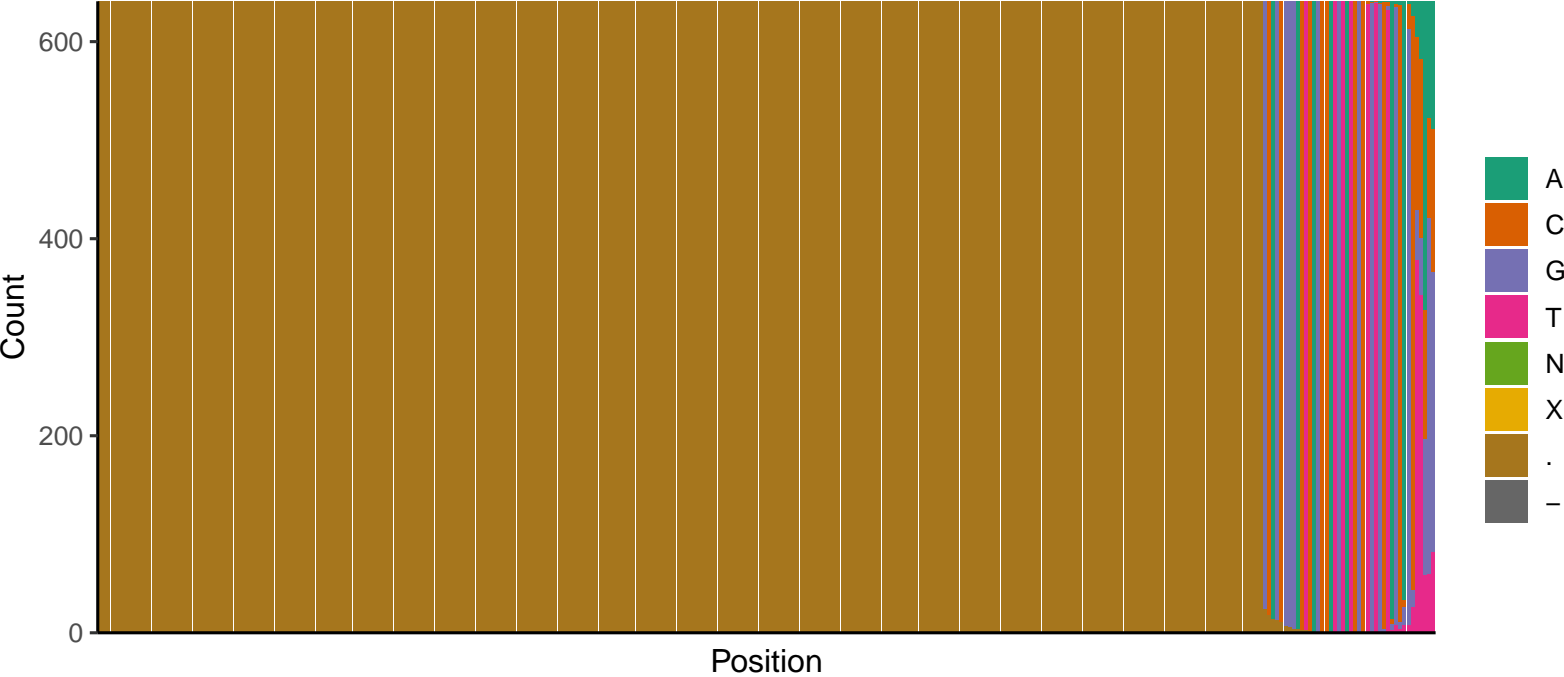
Gene TRBV7-7*ap01_C315T



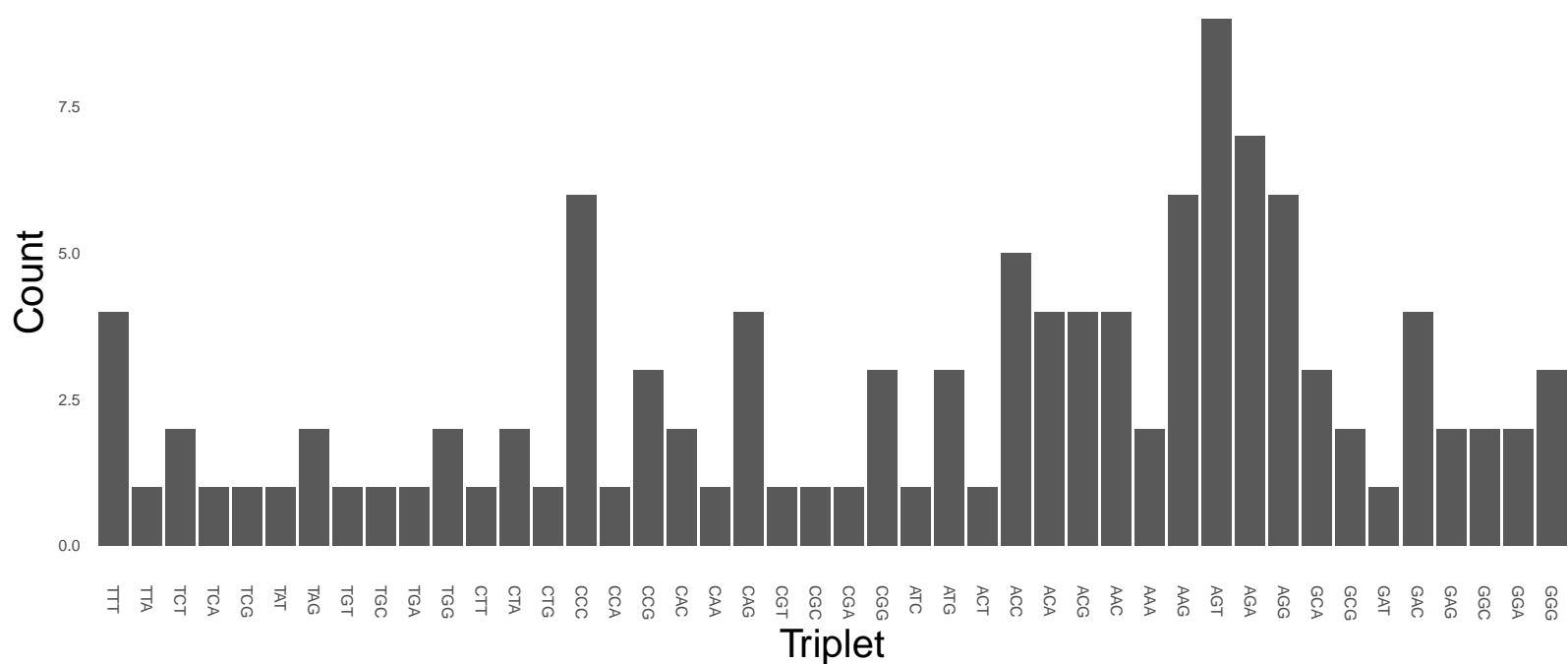
Gene TRBV7-1*ap01_G291C_T296C_C314T



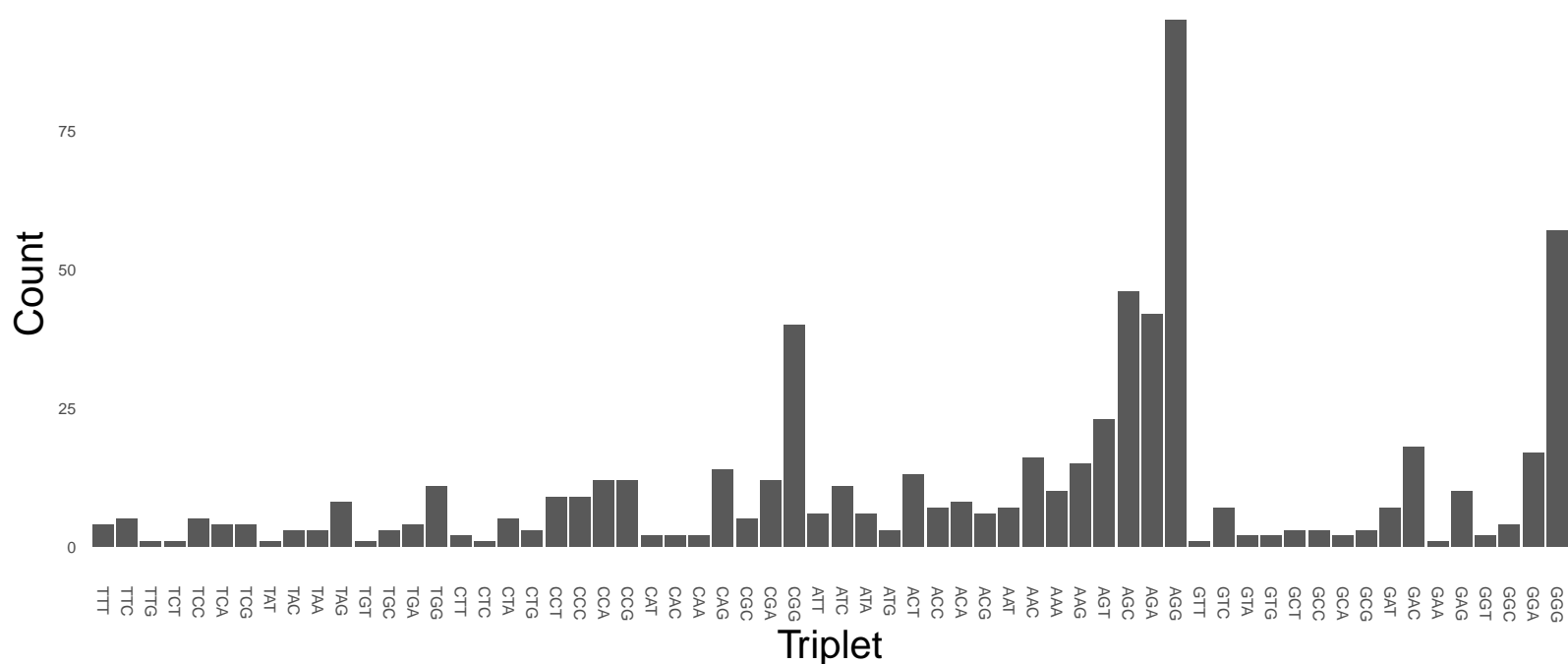
Gene TRBV7-7*ap01_C315T



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

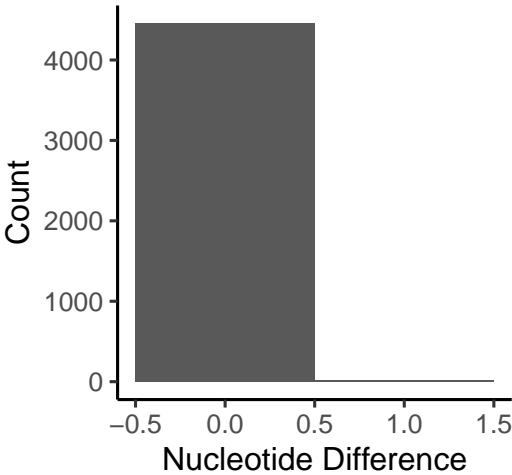


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



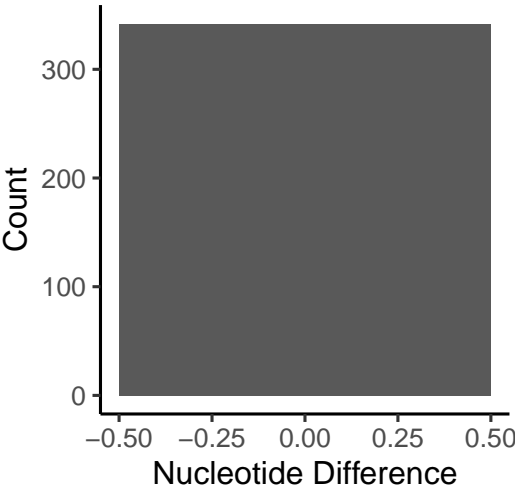
TRBV20–1*ap01

4470 sequences assigned
4455 (99.7%) exact matches, in which:
4449 unique CDR3
13 unique J



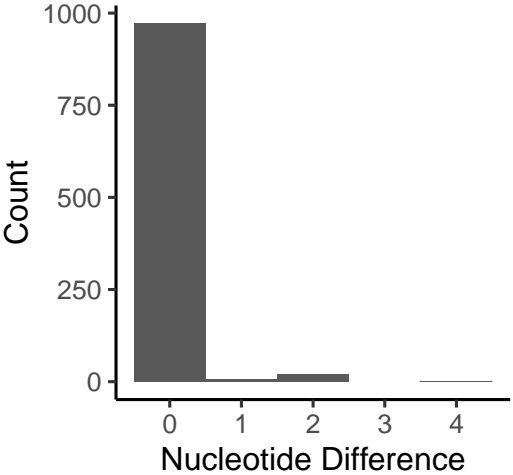
TRBV10–2*ap01

342 sequences assigned
342 (100%) exact matches, in which:
342 unique CDR3
13 unique J



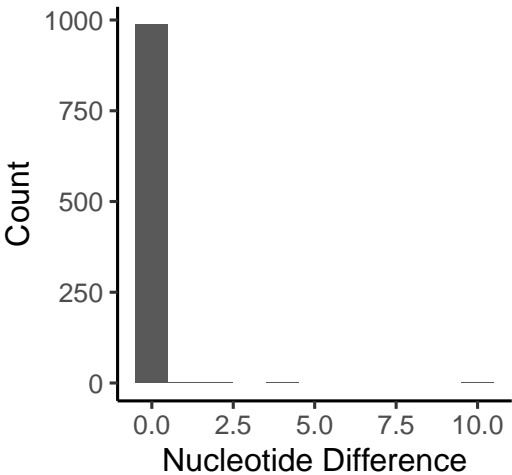
TRBV13*ap01

998 sequences assigned
972 (97.4%) exact matches, in which:
970 unique CDR3
13 unique J



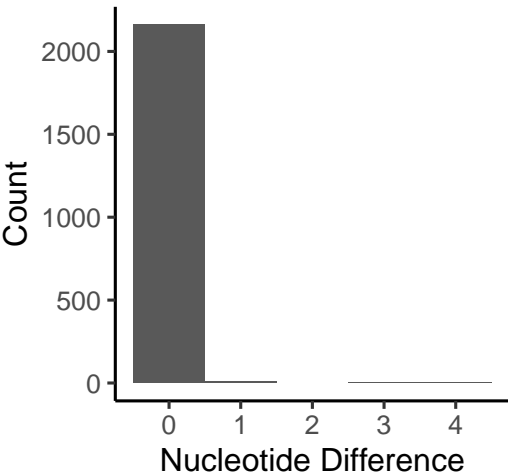
TRBV10–1*ap01

992 sequences assigned
987 (99.5%) exact matches, in which:
985 unique CDR3
13 unique J



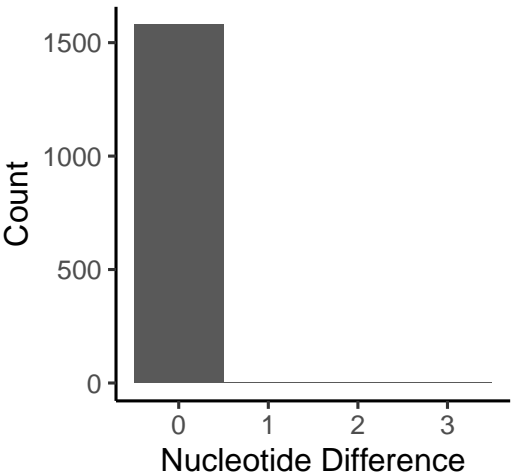
TRBV10–3*ap01

2171 sequences assigned
2161 (99.5%) exact matches, in which:
2159 unique CDR3
13 unique J



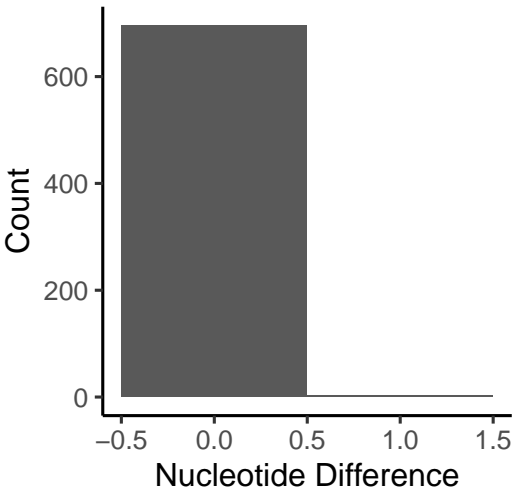
TRBV14*ap01

1583 sequences assigned
1579 (99.7%) exact matches, in which:
1577 unique CDR3
13 unique J



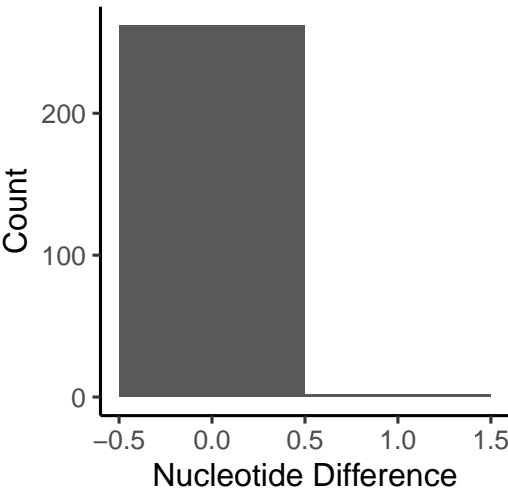
TRBV20–1*ap02

699 sequences assigned
696 (99.6%) exact matches, in which:
696 unique CDR3
13 unique J



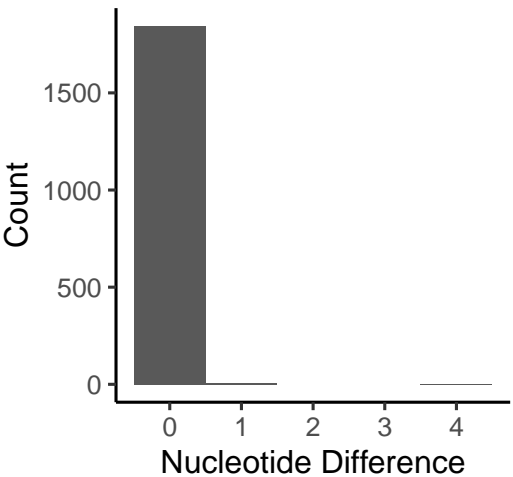
TRBV1*ap01

264 sequences assigned
262 (99.2%) exact matches, in which:
261 unique CDR3
13 unique J



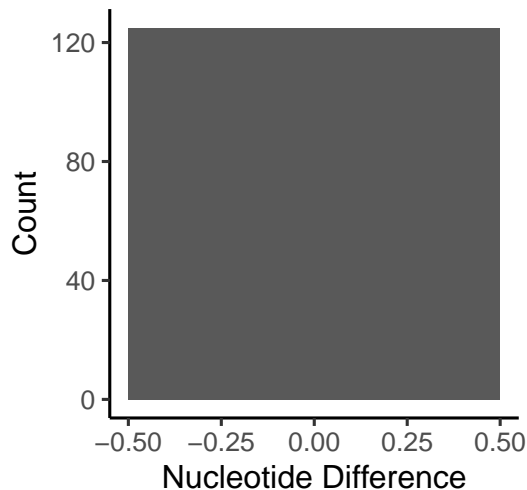
TRBV15*ap02

1852 sequences assigned
1844 (99.6%) exact matches, in which:
1840 unique CDR3
13 unique J



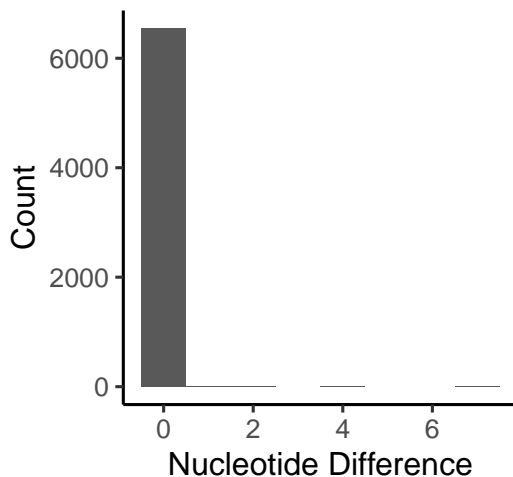
TRBV16*ap01

125 sequences assigned
125 (100%) exact matches, in which:
124 unique CDR3
12 unique J



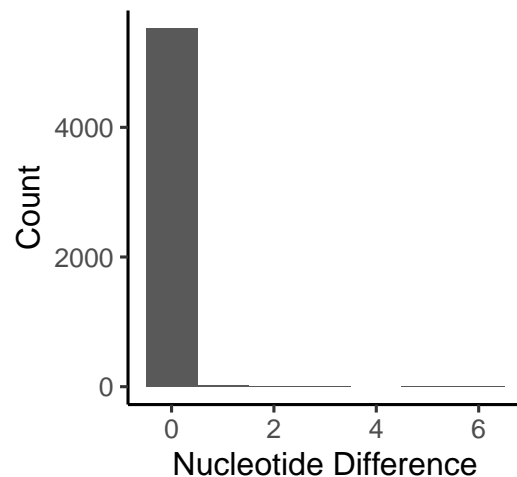
TRBV19*ap01

6569 sequences assigned
6545 (99.6%) exact matches, in which:
6542 unique CDR3
13 unique J



TRBV27*ap01

5552 sequences assigned
5526 (99.5%) exact matches, in which:
5517 unique CDR3
13 unique J



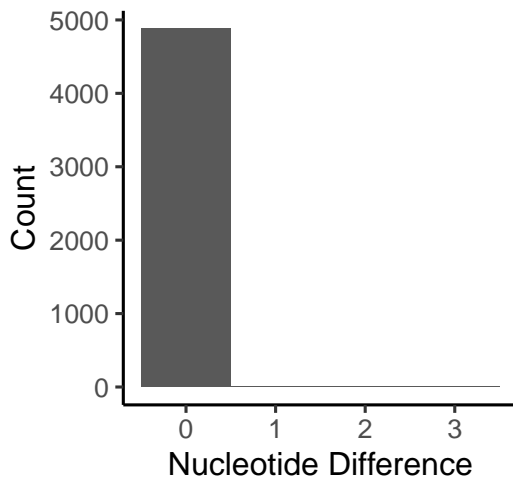
TRBV17*ap01

1 sequences assigned
No exact matches.



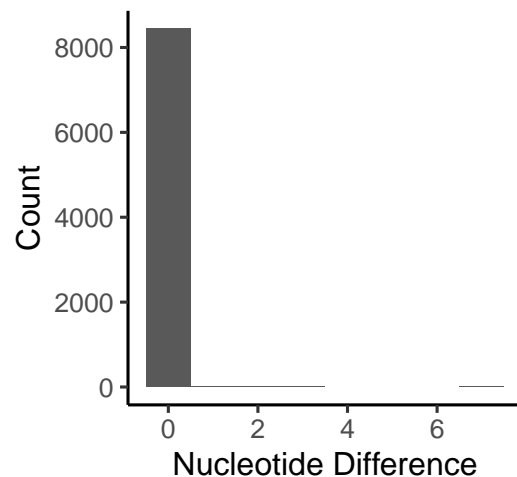
TRBV2*ap01

4891 sequences assigned
4880 (99.8%) exact matches, in which:
4877 unique CDR3
13 unique J



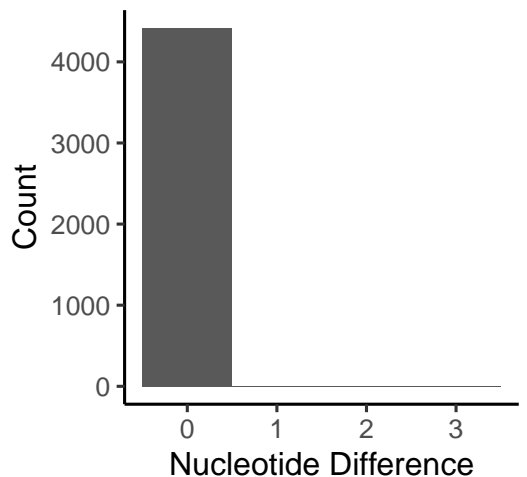
TRBV28*ap01

8458 sequences assigned
8442 (99.8%) exact matches, in which:
8428 unique CDR3
13 unique J



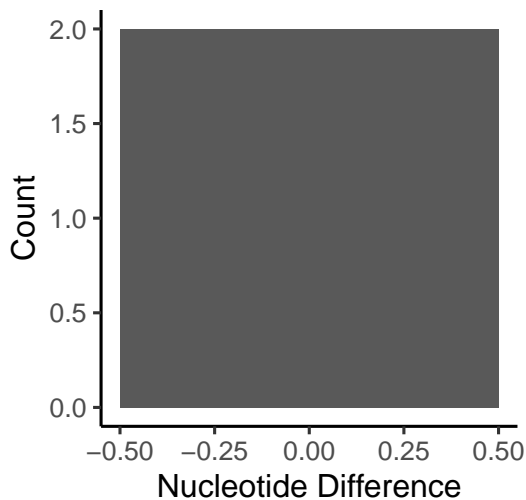
TRBV18*ap01

4423 sequences assigned
4417 (99.9%) exact matches, in which:
4412 unique CDR3
13 unique J



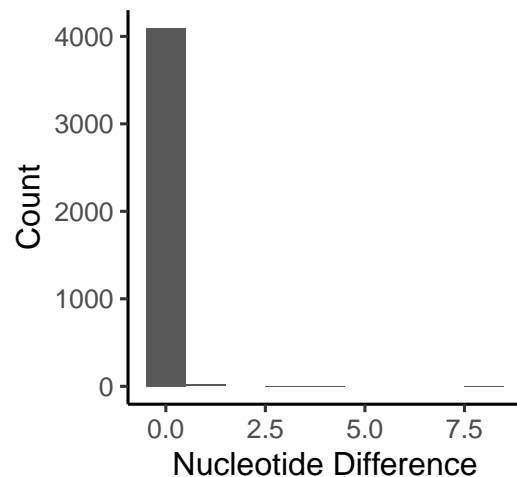
TRBV26*ap01

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



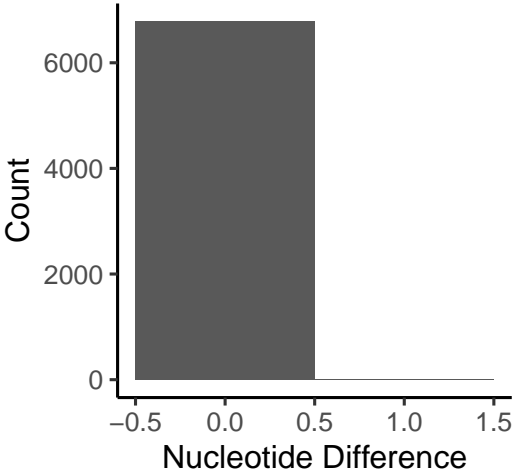
TRBV30*ap01

4117 sequences assigned
4095 (99.5%) exact matches, in which:
4082 unique CDR3
13 unique J



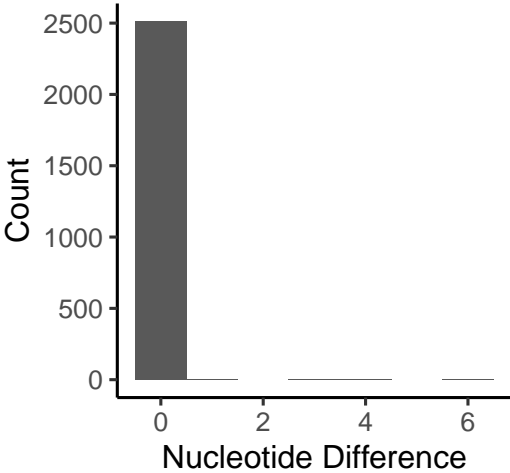
TRBV9*ap01

6792 sequences assigned
6783 (99.9%) exact matches, in which:
6761 unique CDR3
13 unique J



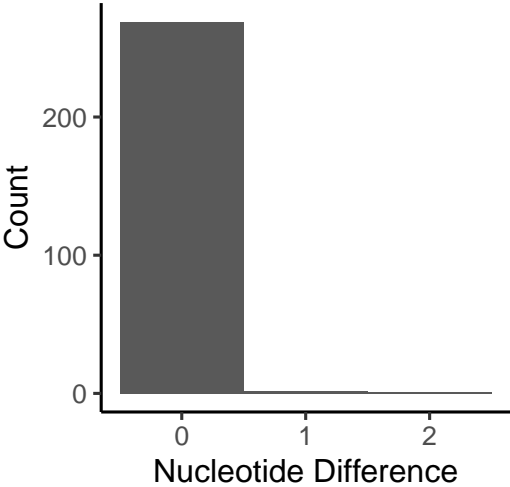
TRBV11-2*ap01

2519 sequences assigned
2512 (99.7%) exact matches, in which:
2507 unique CDR3
13 unique J



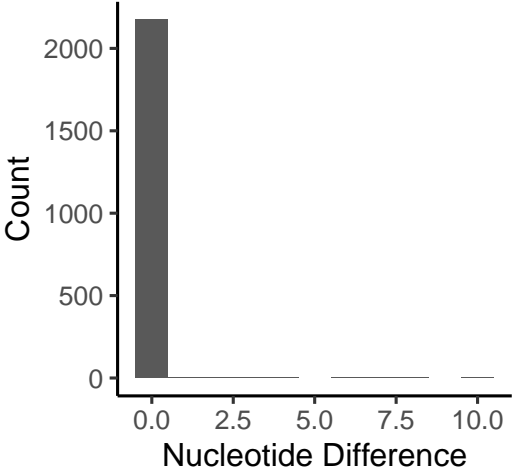
TRBV12-2*ap01

272 sequences assigned
269 (98.9%) exact matches, in which:
267 unique CDR3
13 unique J



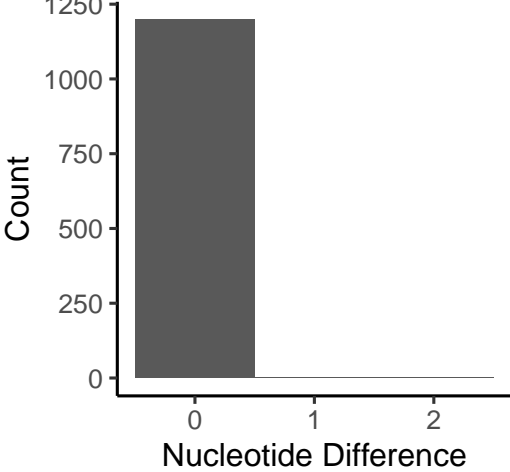
TRBV21-1*ap01

2194 sequences assigned
2174 (99.1%) exact matches, in which:
2172 unique CDR3
13 unique J



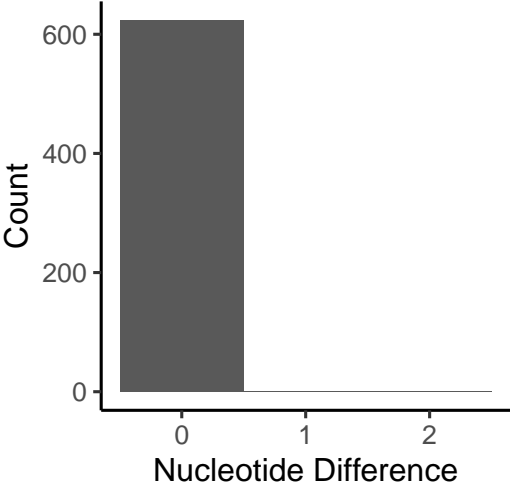
TRBV11-3*ap01

1200 sequences assigned
1198 (99.8%) exact matches, in which:
1197 unique CDR3
13 unique J



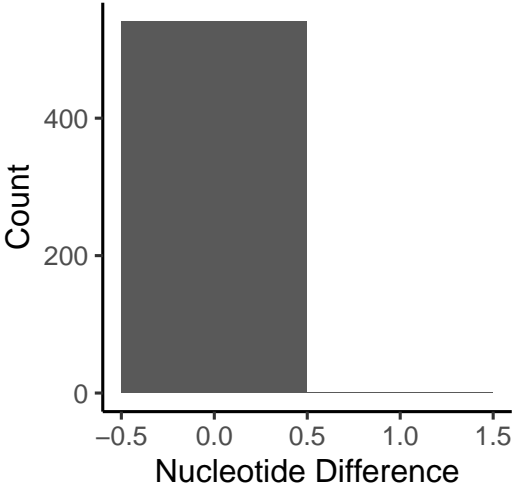
TRBV12-5*ap01

626 sequences assigned
624 (99.7%) exact matches, in which:
624 unique CDR3
13 unique J



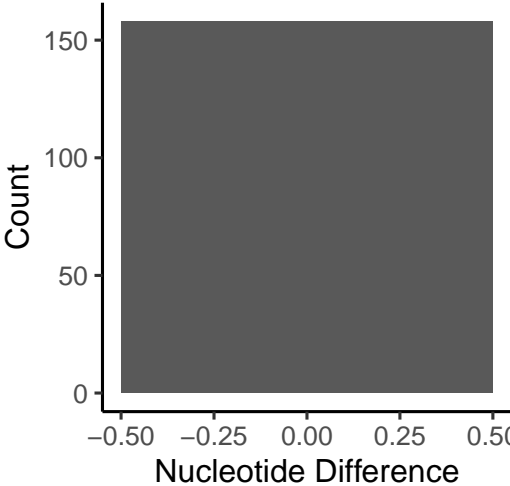
TRBV11-1*ap01

542 sequences assigned
541 (99.8%) exact matches, in which:
541 unique CDR3
13 unique J



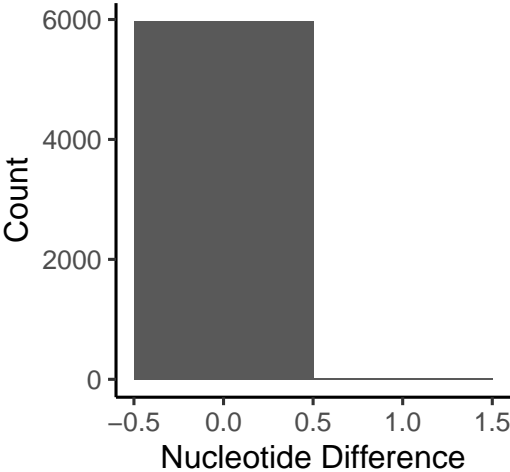
TRBV12-1*ap01

158 sequences assigned
158 (100%) exact matches, in which:
158 unique CDR3
13 unique J



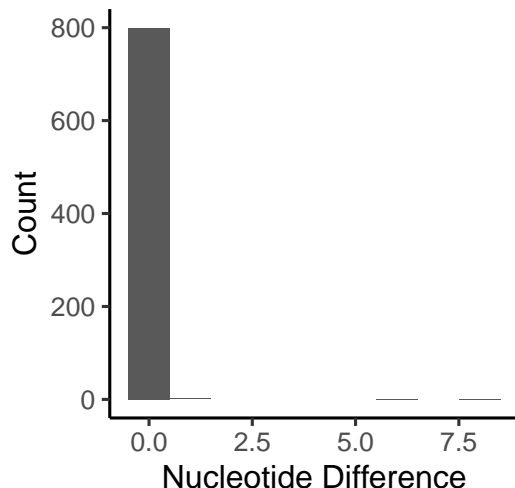
TRBV12-34*ap01

5991 sequences assigned
5974 (99.7%) exact matches, in which:
5958 unique CDR3
13 unique J



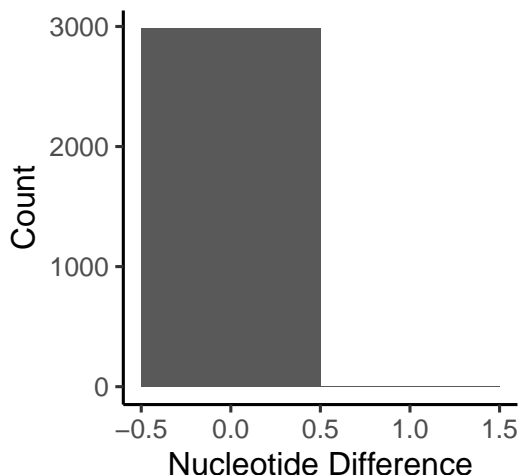
TRBV23-1*ap01

804 sequences assigned
800 (99.5%) exact matches, in which:
800 unique CDR3
13 unique J



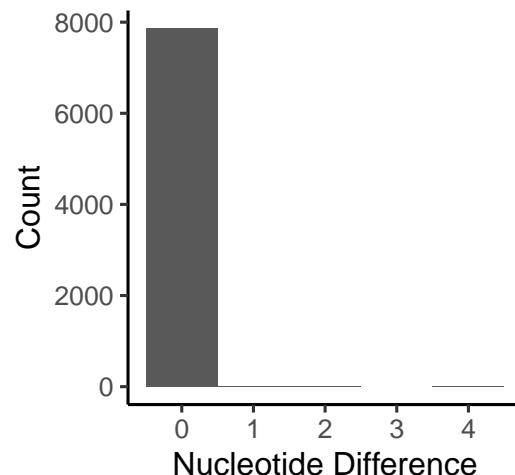
TRBV4-1*ap01

2992 sequences assigned
2984 (99.7%) exact matches, in which:
2980 unique CDR3
13 unique J



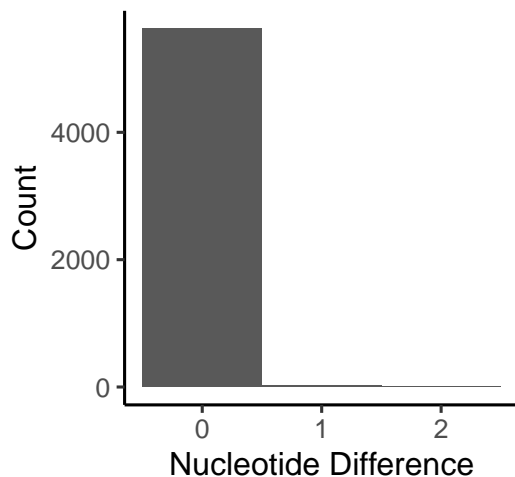
TRBV5-1*ap01

7885 sequences assigned
7863 (99.7%) exact matches, in which:
7837 unique CDR3
13 unique J



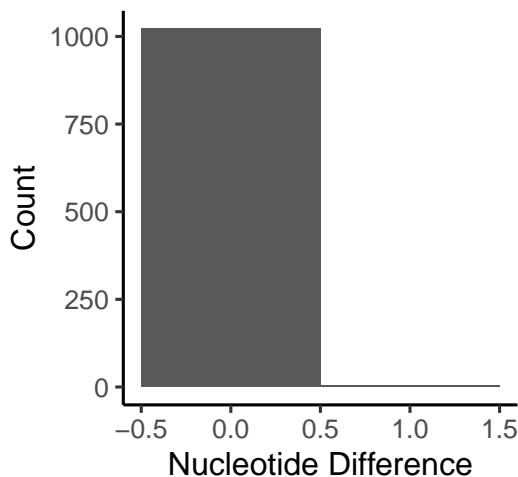
TRBV3-12*ap01

5647 sequences assigned
5627 (99.6%) exact matches, in which:
5624 unique CDR3
13 unique J



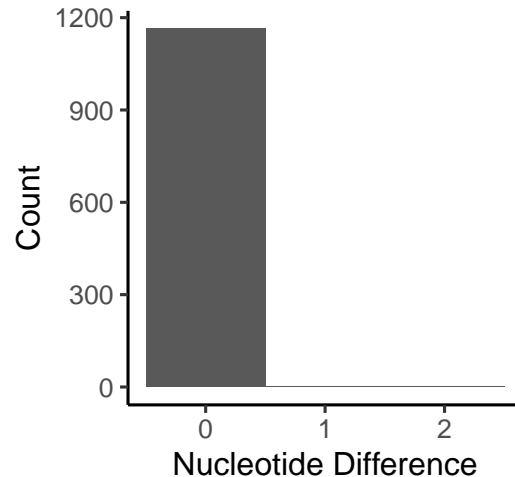
TRBV4-2*ap01

1025 sequences assigned
1022 (99.7%) exact matches, in which:
1021 unique CDR3
13 unique J



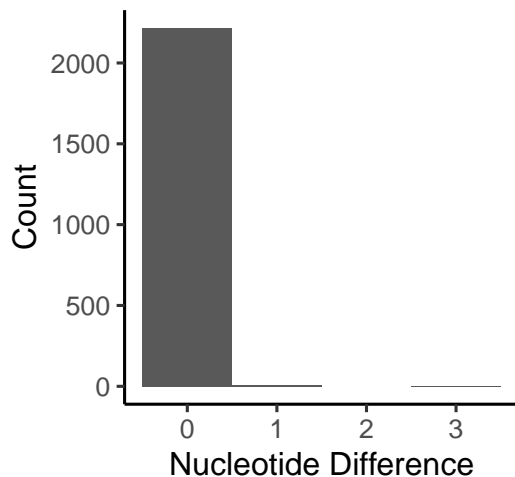
TRBV25-1*ap01

1168 sequences assigned
1164 (99.7%) exact matches, in which:
1163 unique CDR3
13 unique J



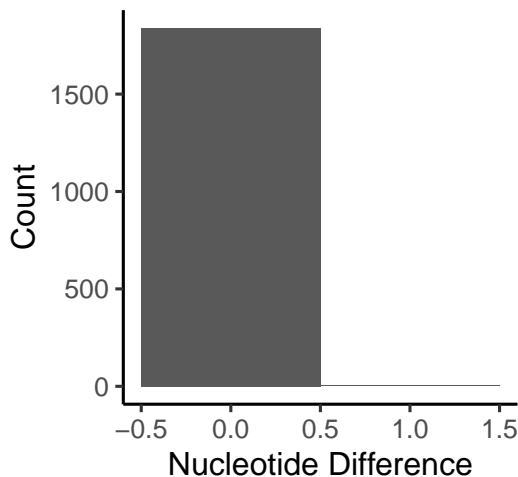
TRBV24-1*ap01

2225 sequences assigned
2216 (99.6%) exact matches, in which:
2214 unique CDR3
13 unique J



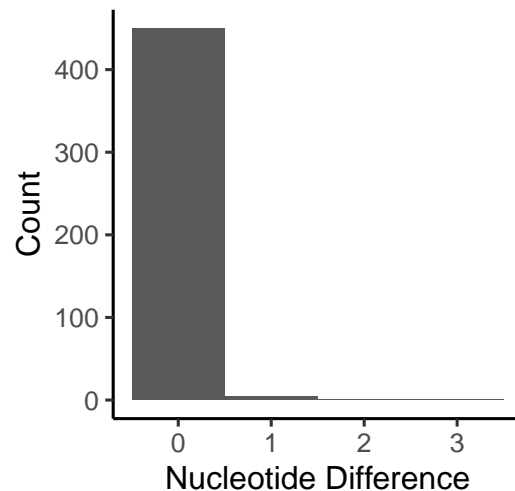
TRBV4-3*ap01

1843 sequences assigned
1839 (99.8%) exact matches, in which:
1838 unique CDR3
13 unique J



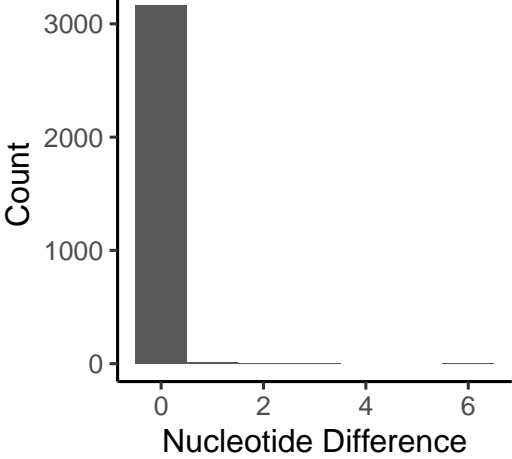
TRBV5-3*ap01

456 sequences assigned
450 (98.7%) exact matches, in which:
450 unique CDR3
13 unique J



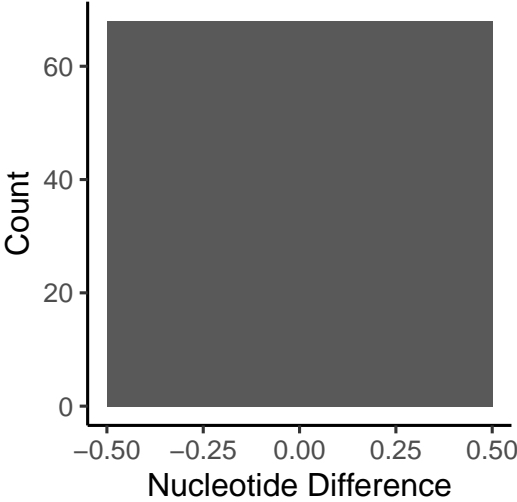
TRBV5-4*ap01

3176 sequences assigned
3163 (99.6%) exact matches, in which:
3159 unique CDR3
13 unique J



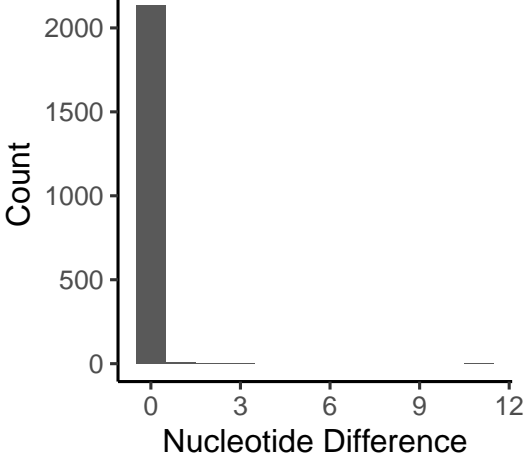
TRBV5-7*ap01

68 sequences assigned
68 (100%) exact matches, in which:
68 unique CDR3
12 unique J



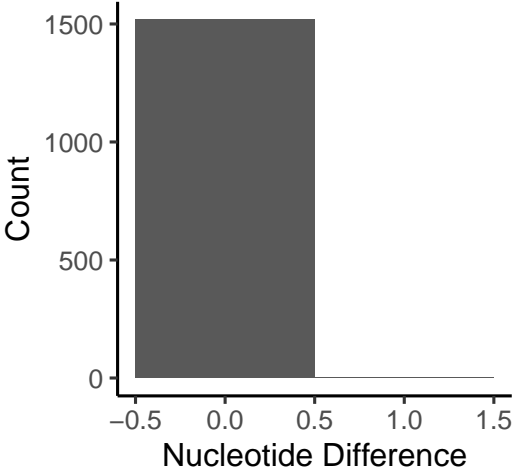
TRBV6-4*ap01

2147 sequences assigned
2134 (99.4%) exact matches, in which:
2133 unique CDR3
13 unique J



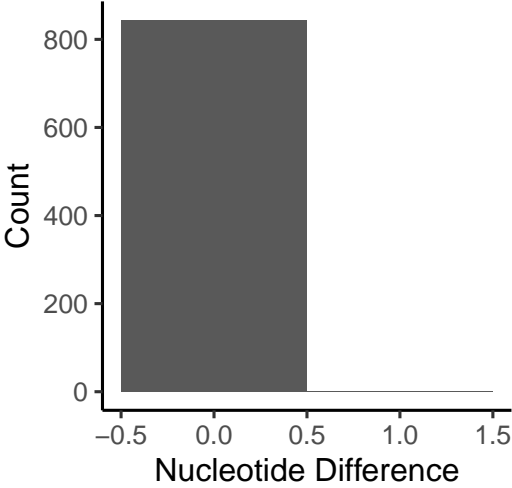
TRBV5-5*ap01

1520 sequences assigned
1518 (99.9%) exact matches, in which:
1518 unique CDR3
13 unique J



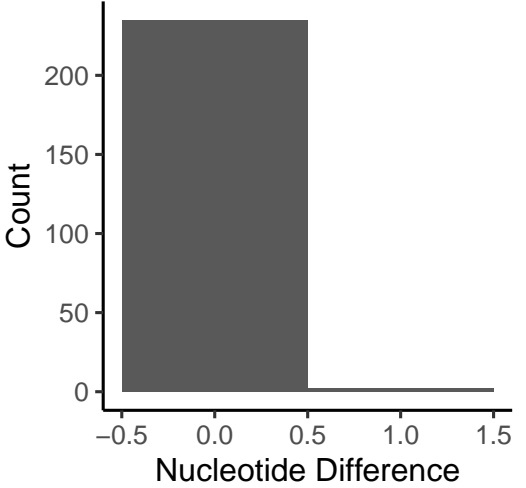
TRBV5-8*ap01

846 sequences assigned
844 (99.8%) exact matches, in which:
843 unique CDR3
13 unique J



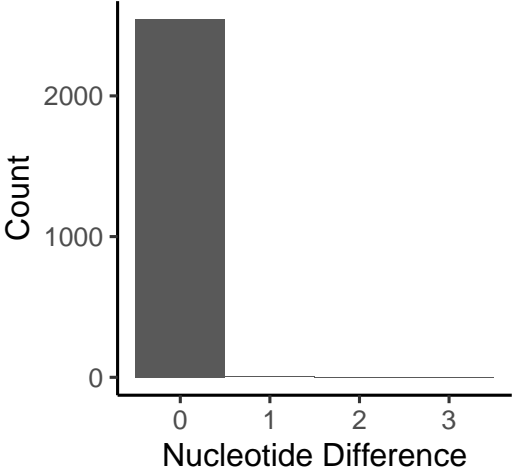
TRBV6-7*ap01

237 sequences assigned
235 (99.2%) exact matches, in which:
234 unique CDR3
13 unique J



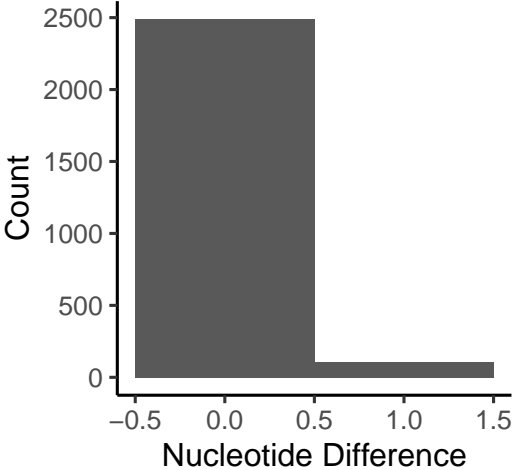
TRBV5-6*ap01

2555 sequences assigned
2546 (99.6%) exact matches, in which:
2541 unique CDR3
13 unique J



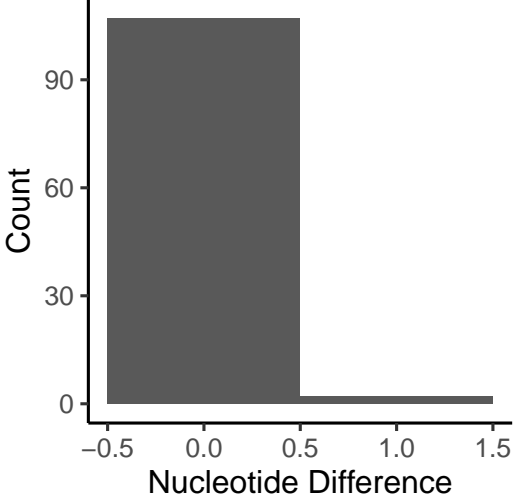
TRBV6-1*ap01

2596 sequences assigned
2490 (95.9%) exact matches, in which:
2479 unique CDR3
13 unique J



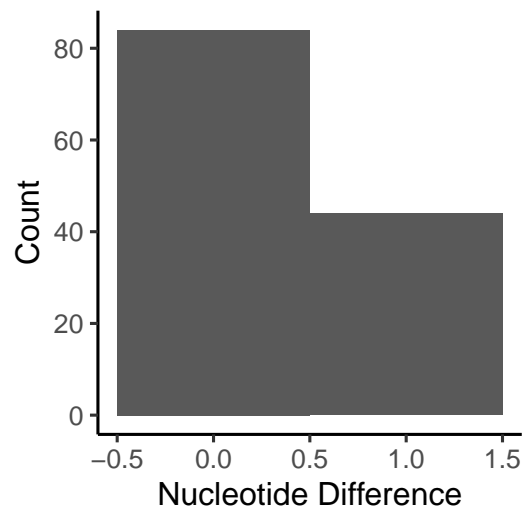
TRBV6-8*ap01

109 sequences assigned
107 (98.2%) exact matches, in which:
106 unique CDR3
12 unique J



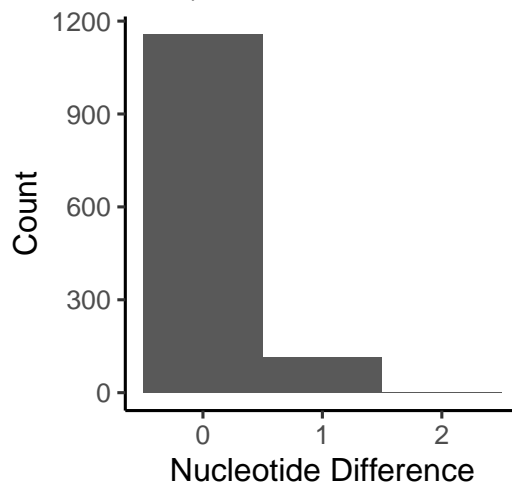
TRBV6-9*ap01

128 sequences assigned
84 (65.6%) exact matches, in which:
83 unique CDR3
13 unique J



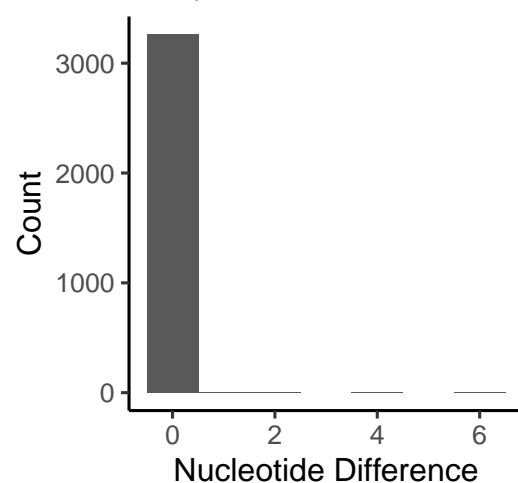
TRBV6-56*ap02

1273 sequences assigned
1157 (90.9%) exact matches, in which:
1155 unique CDR3
13 unique J



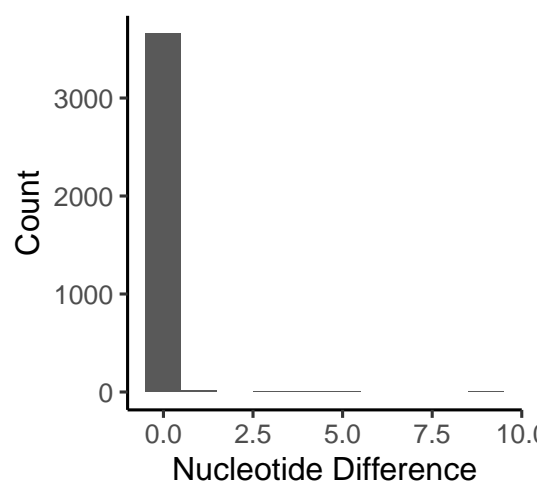
TRBV7-3*ap01

3273 sequences assigned
3262 (99.7%) exact matches, in which:
3249 unique CDR3
13 unique J



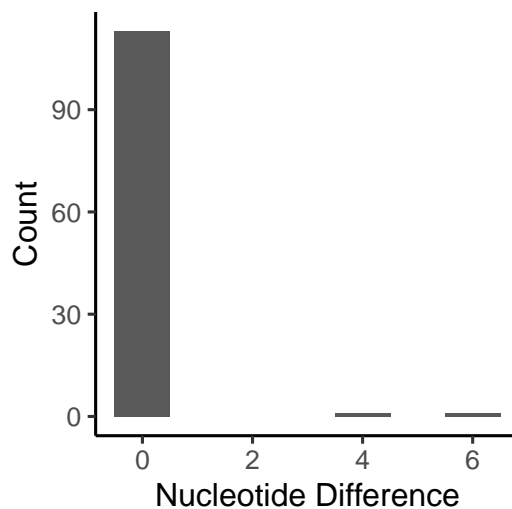
TRBV6-23*ap01

3677 sequences assigned
3656 (99.4%) exact matches, in which:
3652 unique CDR3
13 unique J



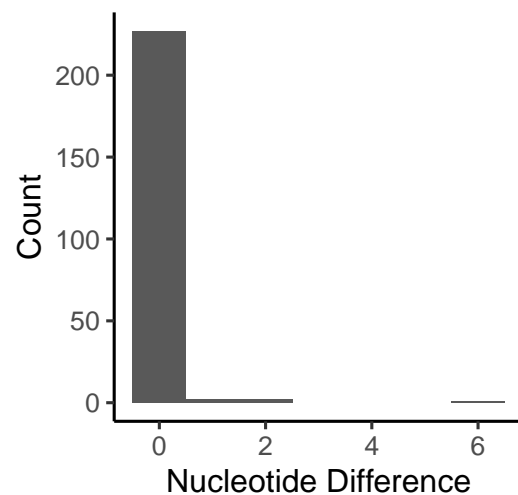
TRBV7-1*ap01_G291C_T

115 sequences assigned
113 (98.3%) exact matches, in which:
113 unique CDR3
13 unique J



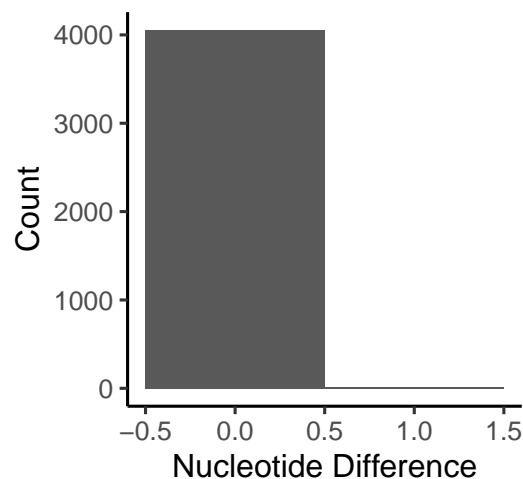
TRBV7-4*ap01

232 sequences assigned
227 (97.8%) exact matches, in which:
226 unique CDR3
13 unique J



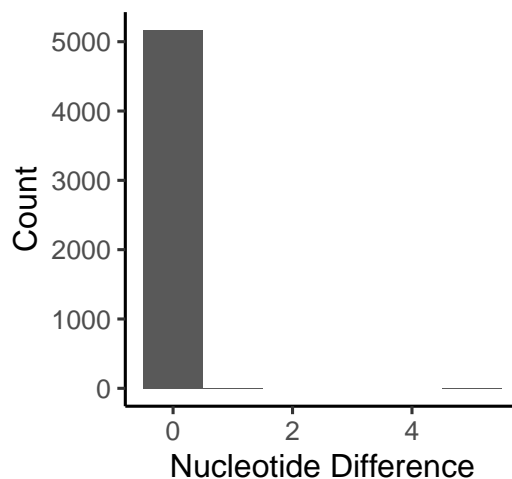
TRBV6-56*ap01

4067 sequences assigned
4055 (99.7%) exact matches, in which:
4041 unique CDR3
13 unique J



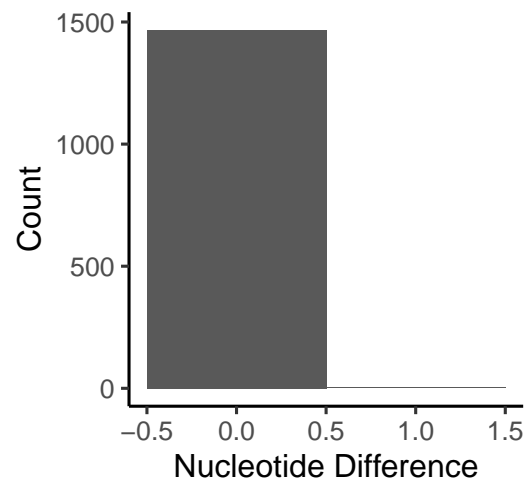
TRBV7-2*ap01

5178 sequences assigned
5168 (99.8%) exact matches, in which:
5159 unique CDR3
13 unique J



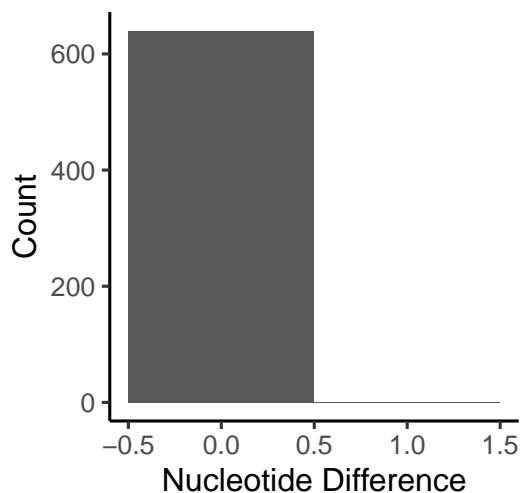
TRBV7-6*ap01

1470 sequences assigned
1467 (99.8%) exact matches, in which:
1465 unique CDR3
13 unique J



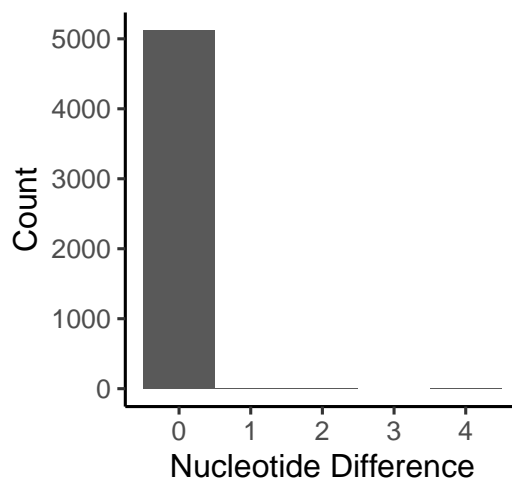
TRBV7-7*ap01_C315T

641 sequences assigned
640 (99.8%) exact matches, in which:
638 unique CDR3
13 unique J



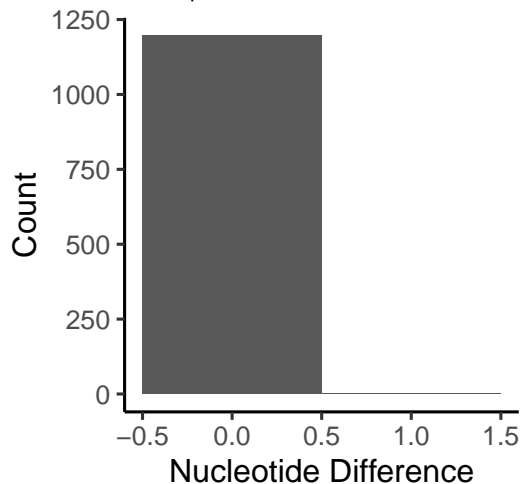
TRBV7-9*ap01

5131 sequences assigned
5120 (99.8%) exact matches, in which:
5111 unique CDR3
13 unique J



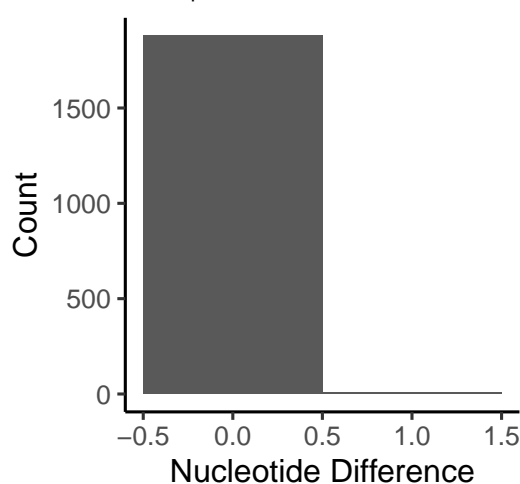
TRBV7-8*ap01

1198 sequences assigned
1196 (99.8%) exact matches, in which:
1190 unique CDR3
13 unique J



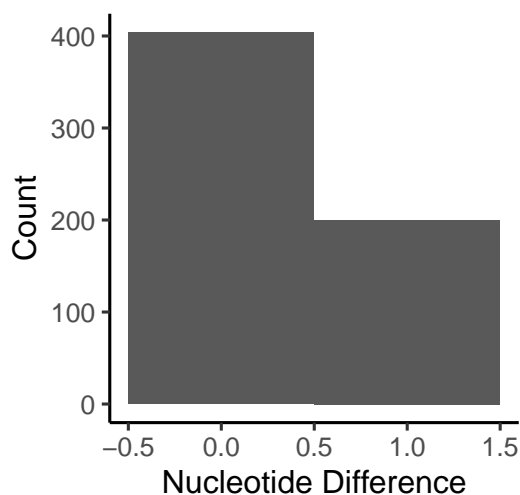
TRBV29-1*ap01

1887 sequences assigned
1879 (99.6%) exact matches, in which:
1873 unique CDR3
13 unique J



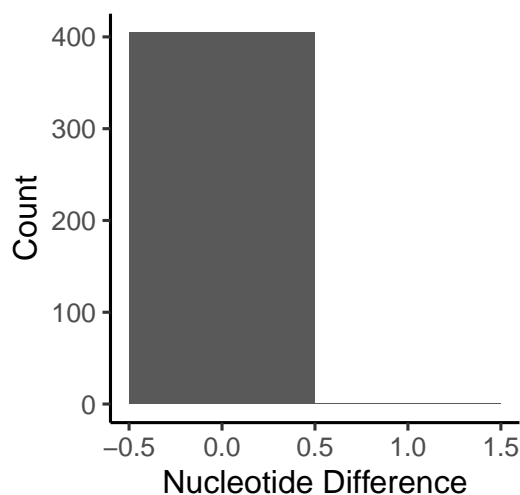
TRBV7-8*ap03

604 sequences assigned
404 (66.9%) exact matches, in which:
402 unique CDR3
13 unique J

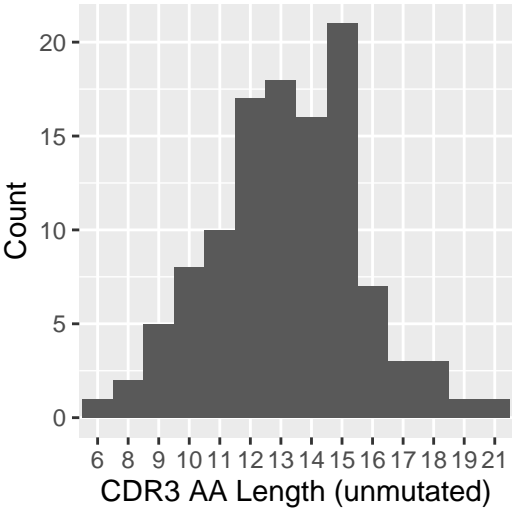


TRBV29-1*ap02

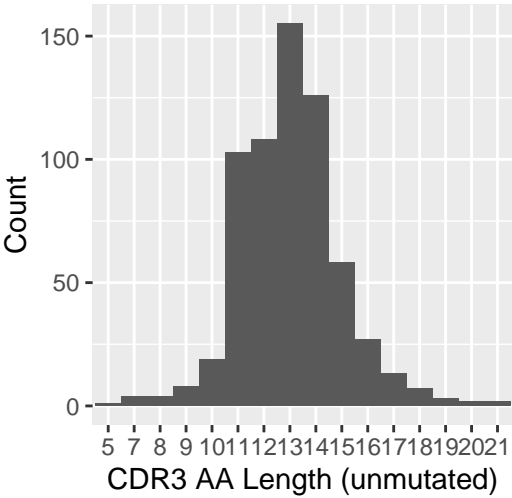
406 sequences assigned
405 (99.8%) exact matches, in which:
405 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]