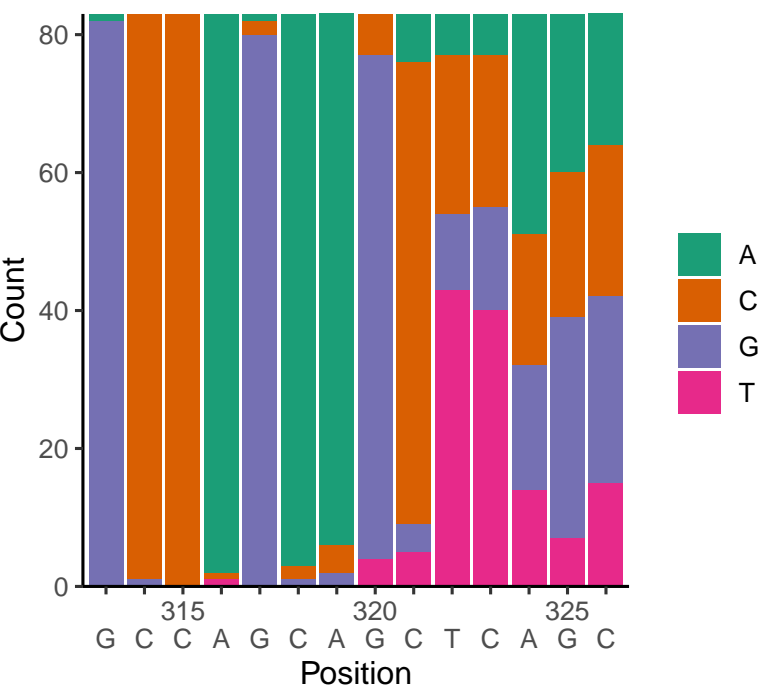
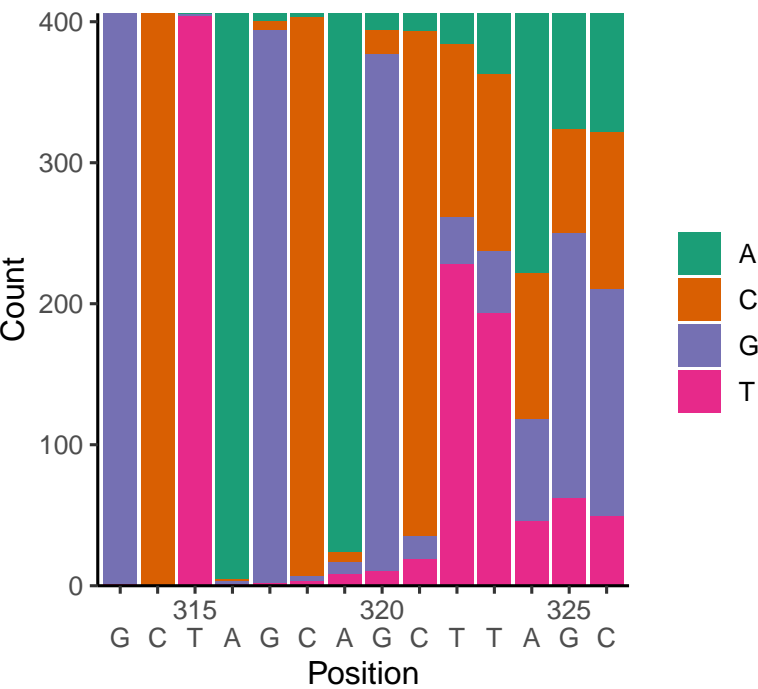


Gene TRBV7-1*ap01_G291C_T296C



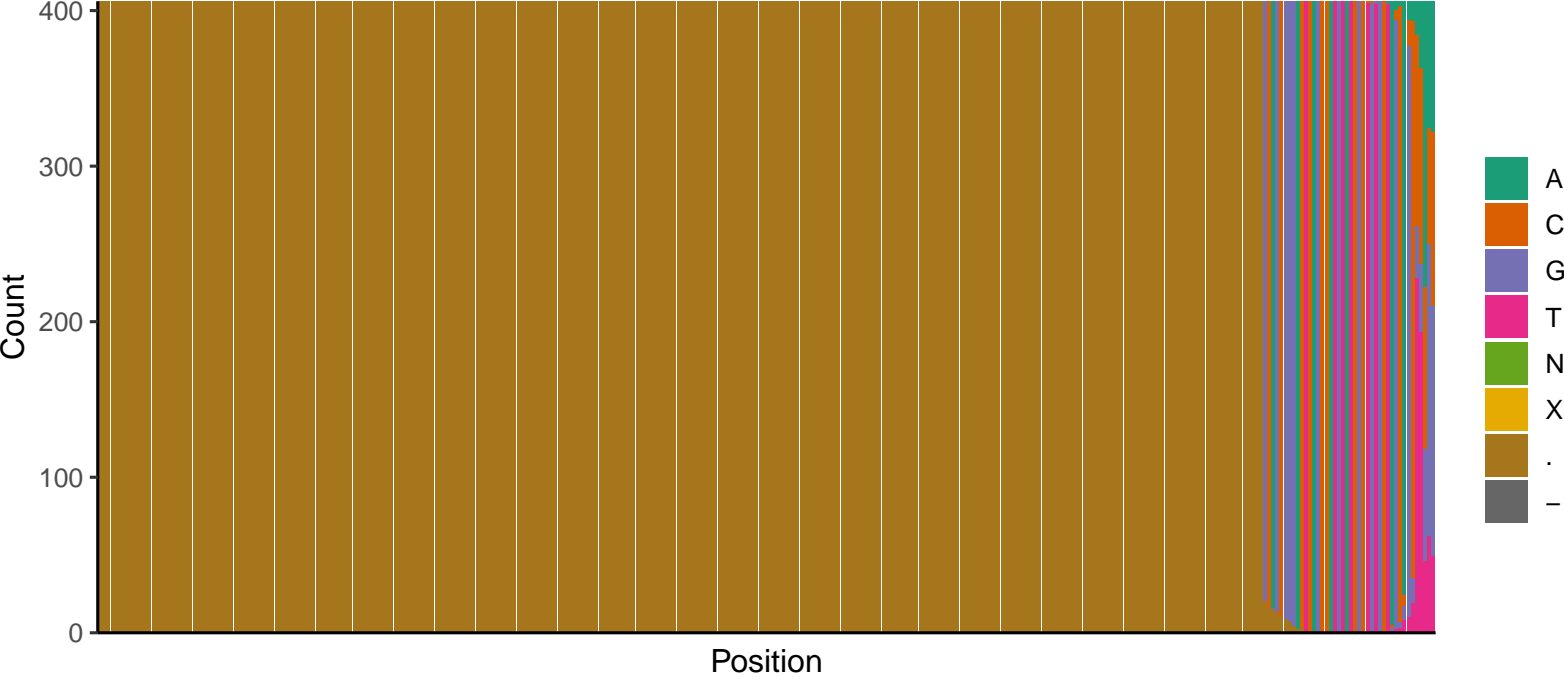
Gene TRBV7-7*ap01_C315T



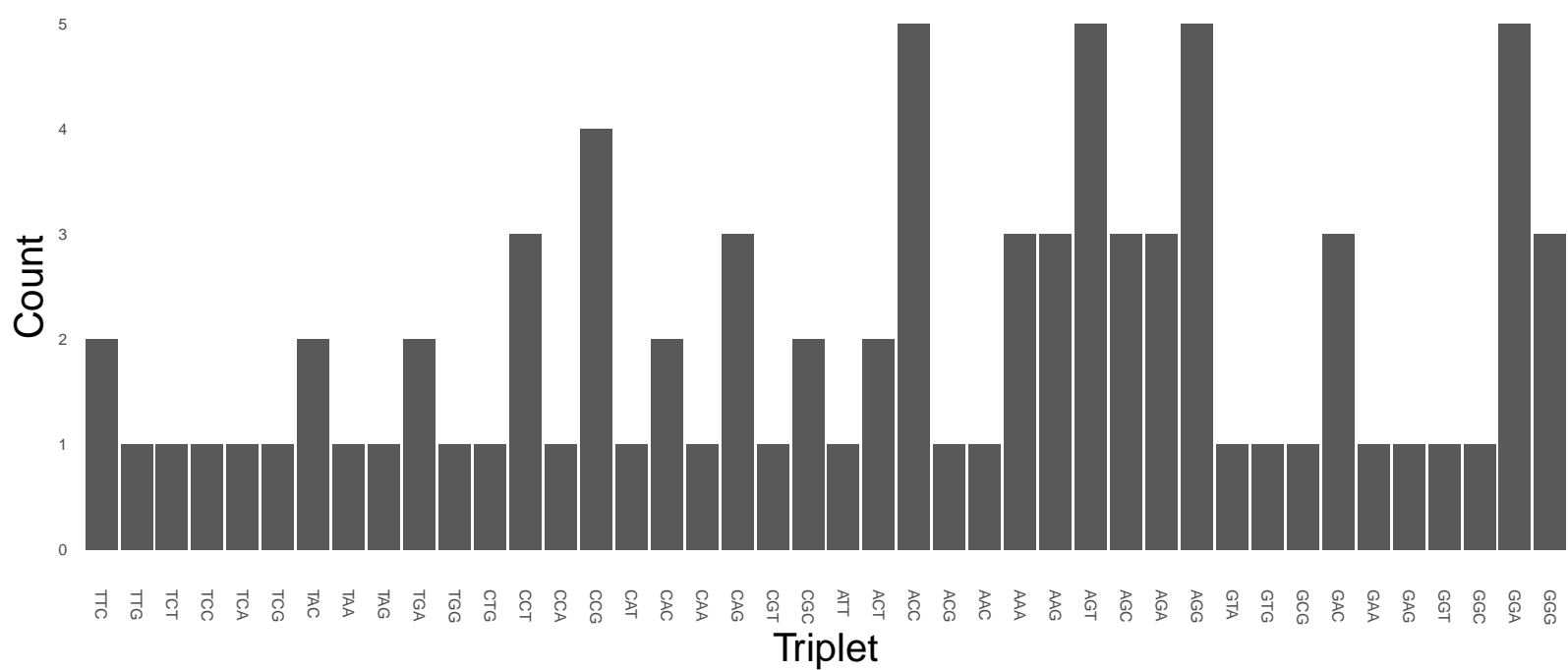
Gene TRBV7-1*ap01_G291C_T296C



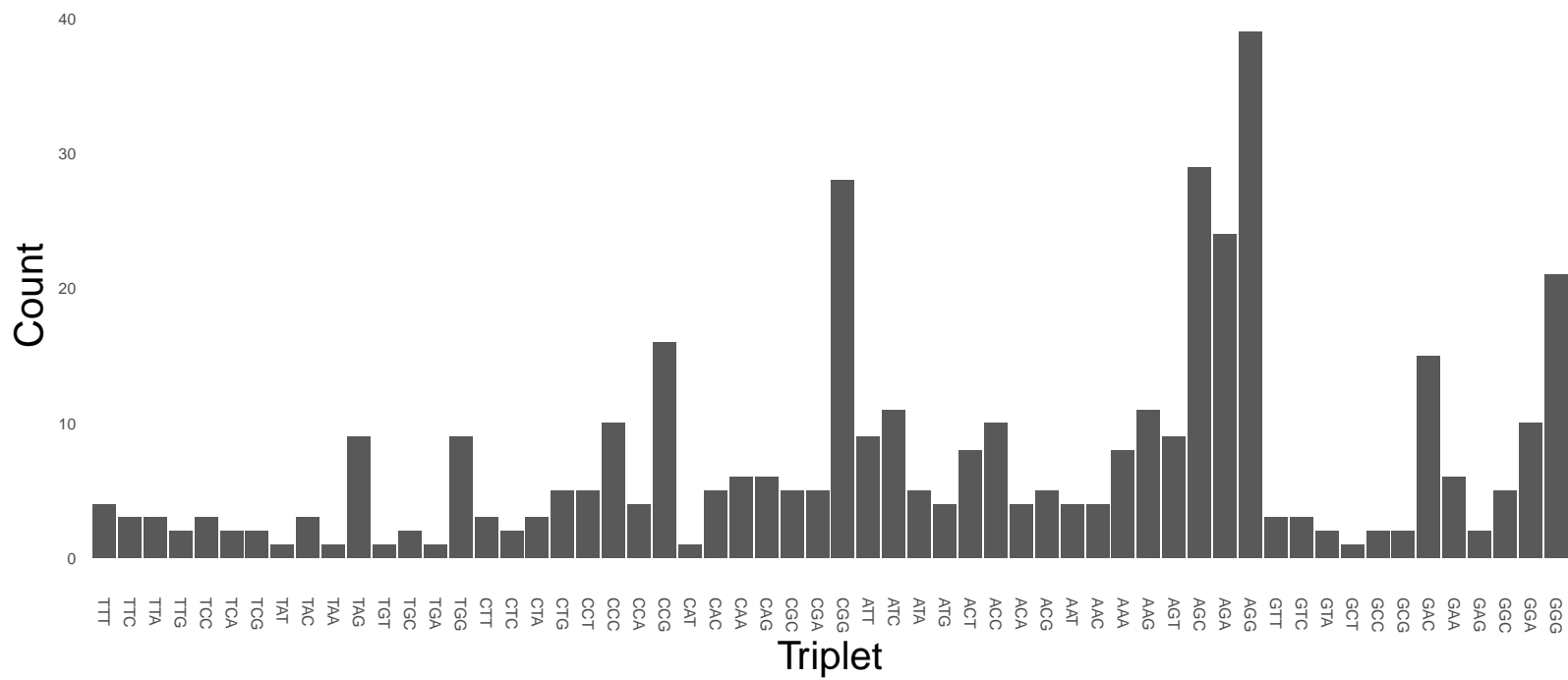
Gene TRBV7-7*ap01_C315T



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

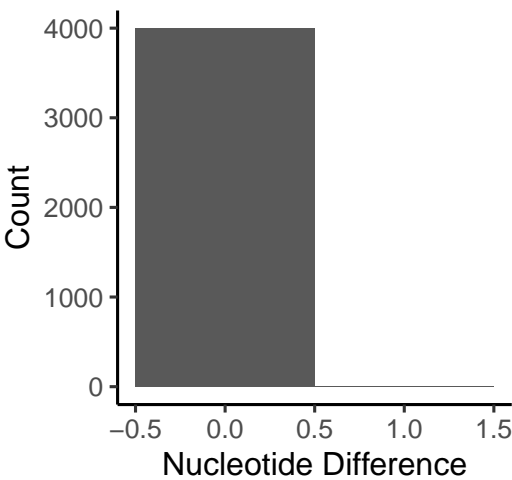


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



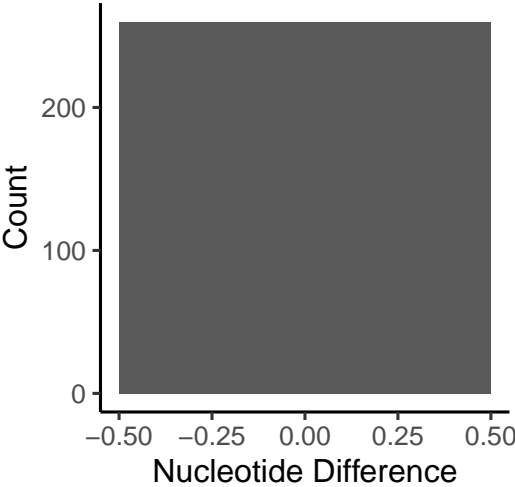
TRBV20–1*ap01

4008 sequences assigned
3997 (99.7%) exact matches, in which:
3991 unique CDR3
12 unique J



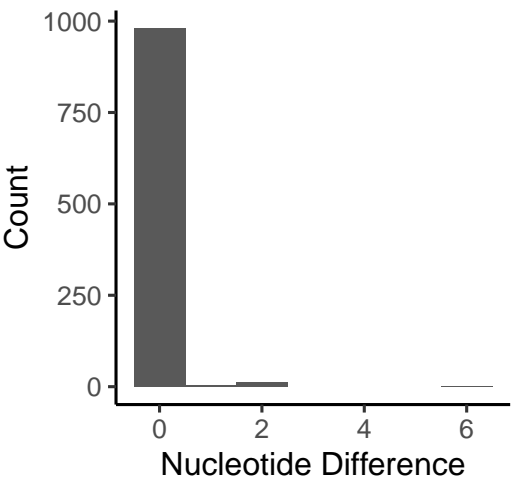
TRBV10–2*ap01

260 sequences assigned
260 (100%) exact matches, in which:
260 unique CDR3
12 unique J



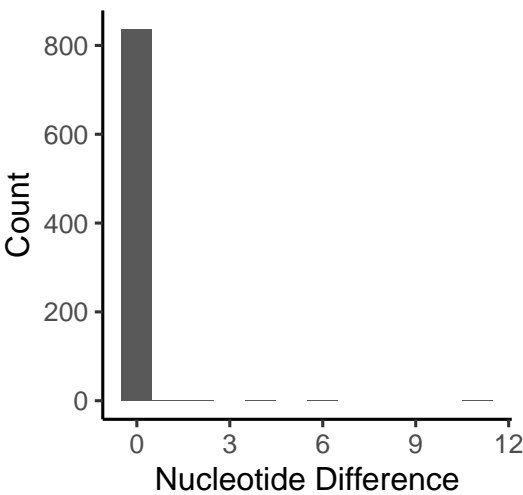
TRBV13*ap01

997 sequences assigned
980 (98.3%) exact matches, in which:
980 unique CDR3
12 unique J



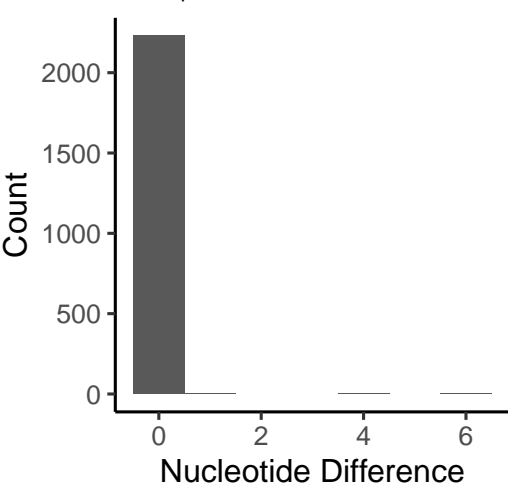
TRBV10–1*ap01

843 sequences assigned
837 (99.3%) exact matches, in which:
835 unique CDR3
12 unique J



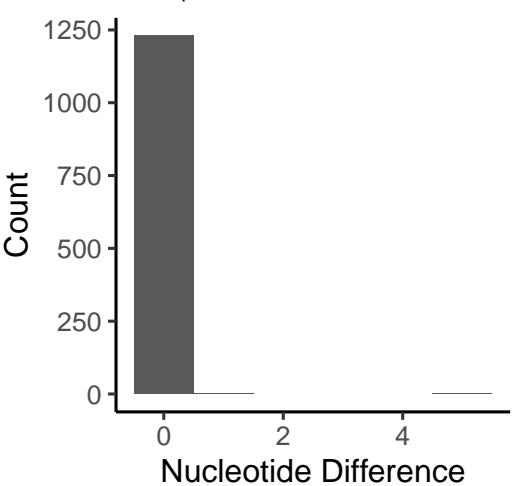
TRBV10–3*ap01

2238 sequences assigned
2230 (99.6%) exact matches, in which:
2229 unique CDR3
12 unique J



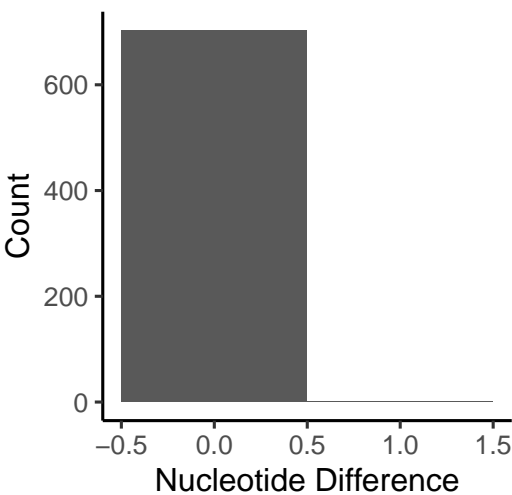
TRBV14*ap01

1232 sequences assigned
1230 (99.8%) exact matches, in which:
1229 unique CDR3
12 unique J



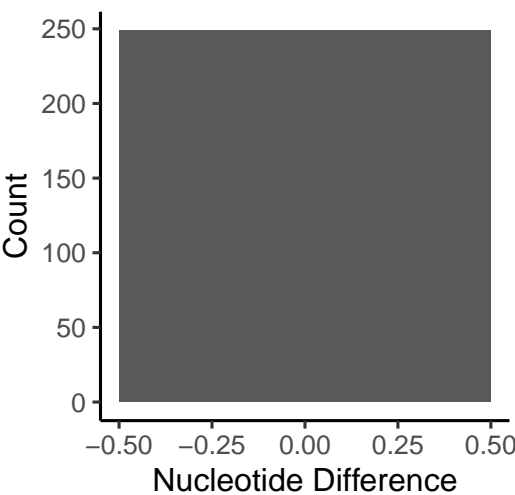
TRBV20–1*ap02

704 sequences assigned
703 (99.9%) exact matches, in which:
702 unique CDR3
12 unique J



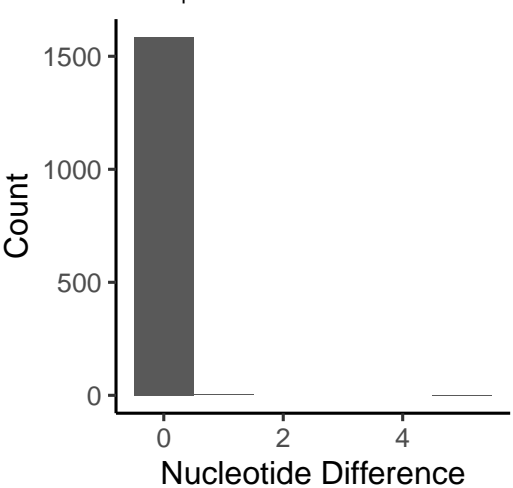
TRBV1*ap01

249 sequences assigned
249 (100%) exact matches, in which:
248 unique CDR3
12 unique J



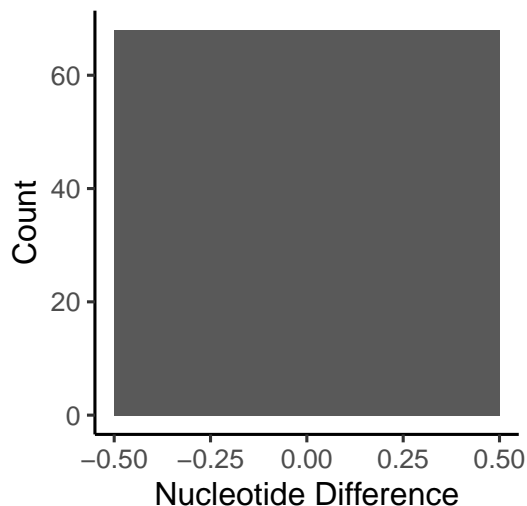
TRBV15*ap02

1590 sequences assigned
1585 (99.7%) exact matches, in which:
1585 unique CDR3
12 unique J



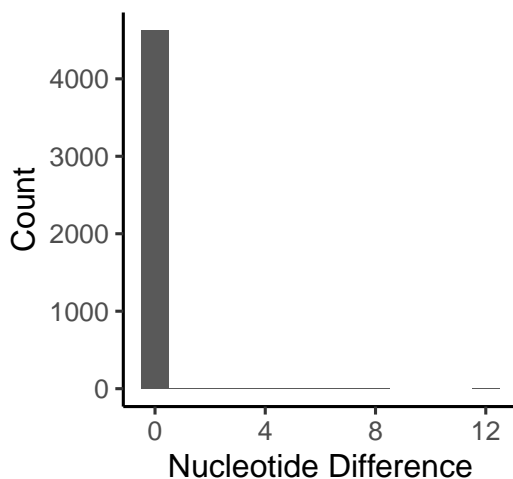
TRBV16*ap01

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



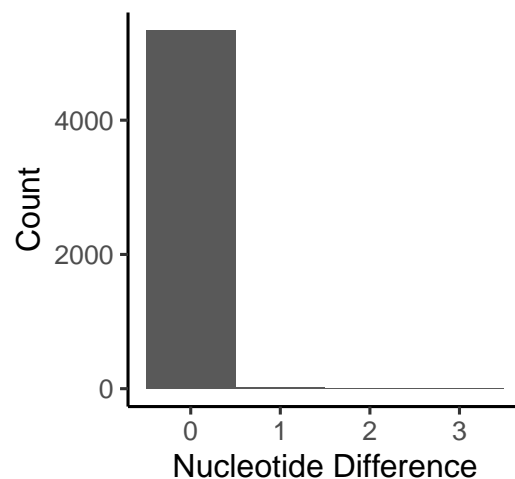
TRBV19*ap01

4647 sequences assigned
4625 (99.5%) exact matches, in which:
4624 unique CDR3
12 unique J



TRBV27*ap01

5357 sequences assigned
5338 (99.6%) exact matches, in which:
5331 unique CDR3
12 unique J



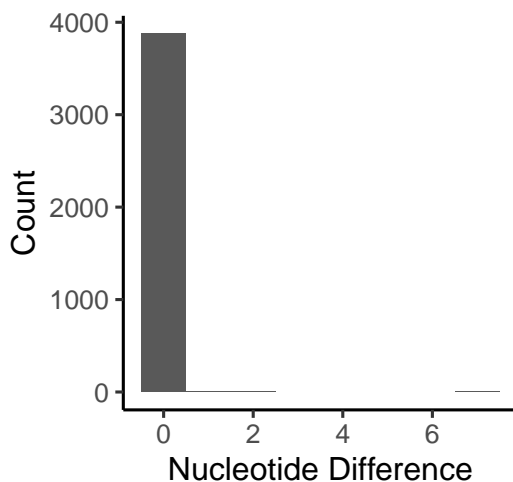
TRBV17*ap01

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



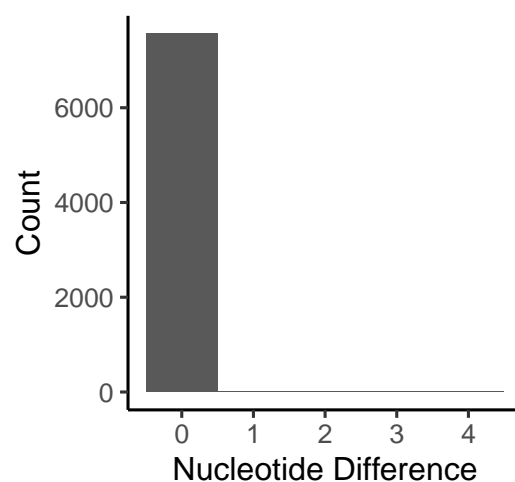
TRBV2*ap01

3889 sequences assigned
3876 (99.7%) exact matches, in which:
3871 unique CDR3
12 unique J



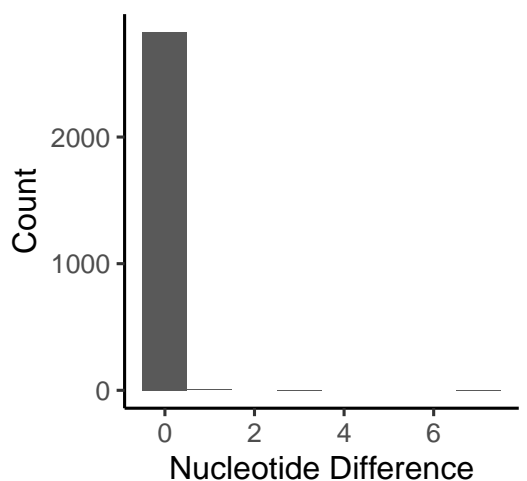
TRBV28*ap01

7585 sequences assigned
7562 (99.7%) exact matches, in which:
7560 unique CDR3
12 unique J



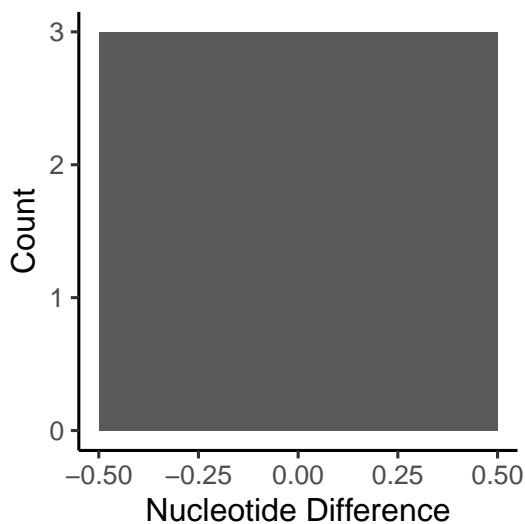
TRBV18*ap01

2837 sequences assigned
2829 (99.7%) exact matches, in which:
2826 unique CDR3
12 unique J



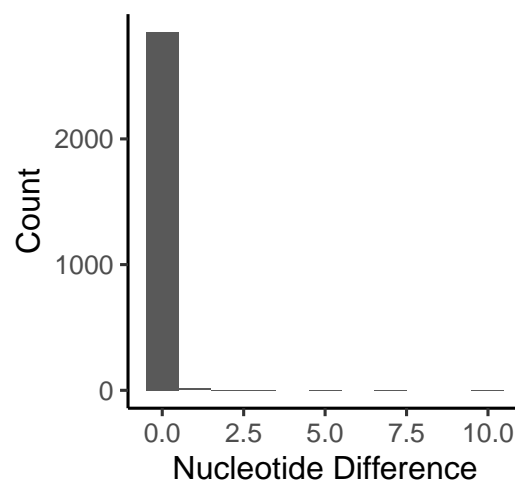
TRBV26*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
2 unique J



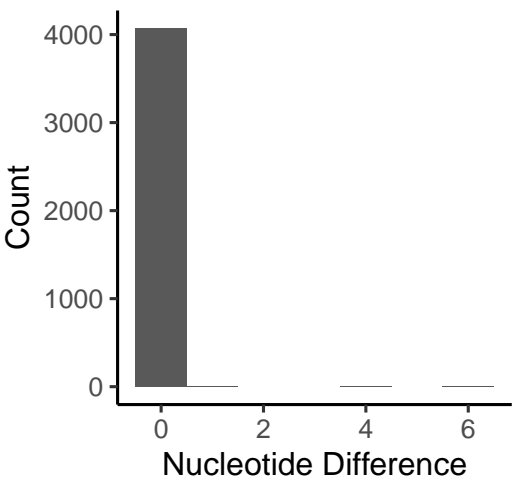
TRBV30*ap01

2871 sequences assigned
2850 (99.3%) exact matches, in which:
2848 unique CDR3
12 unique J



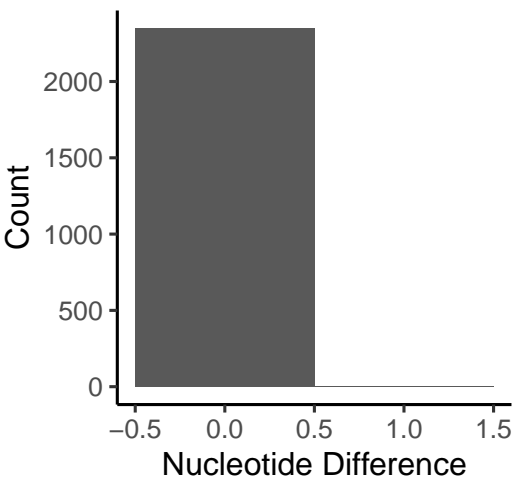
TRBV9*ap01

4078 sequences assigned
4070 (99.8%) exact matches, in which:
4067 unique CDR3
12 unique J



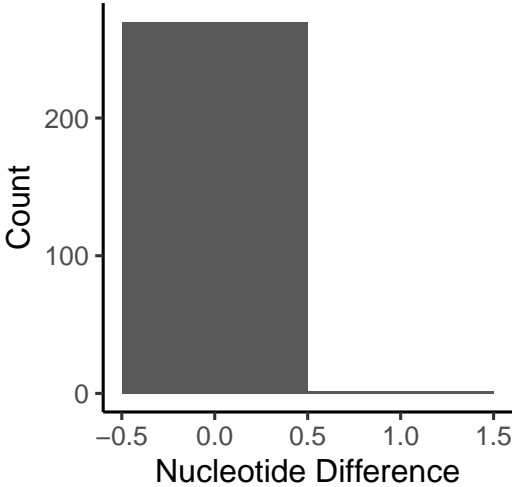
TRBV11-2*ap01

2351 sequences assigned
2348 (99.9%) exact matches, in which:
2346 unique CDR3
12 unique J



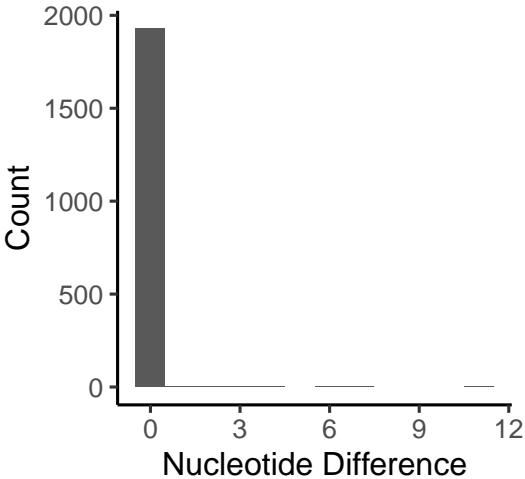
TRBV12-2*ap01

272 sequences assigned
270 (99.3%) exact matches, in which:
270 unique CDR3
12 unique J



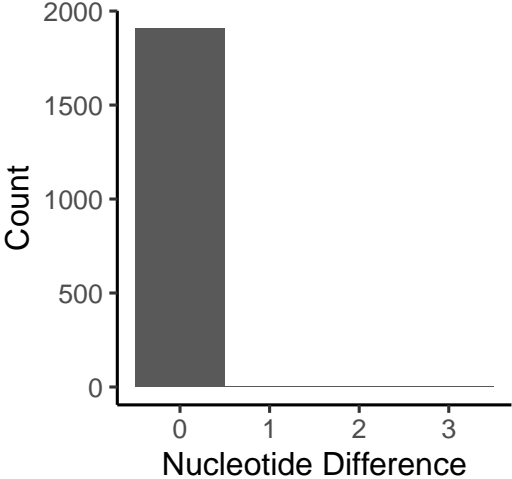
TRBV21-1*ap01

1939 sequences assigned
1928 (99.4%) exact matches, in which:
1927 unique CDR3
13 unique J



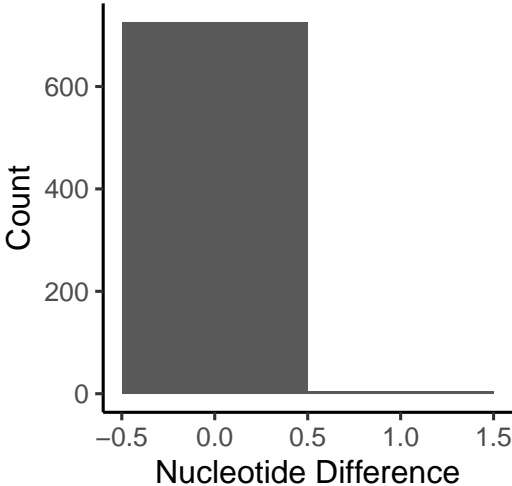
TRBV11-3*ap01

1914 sequences assigned
1906 (99.6%) exact matches, in which:
1905 unique CDR3
12 unique J



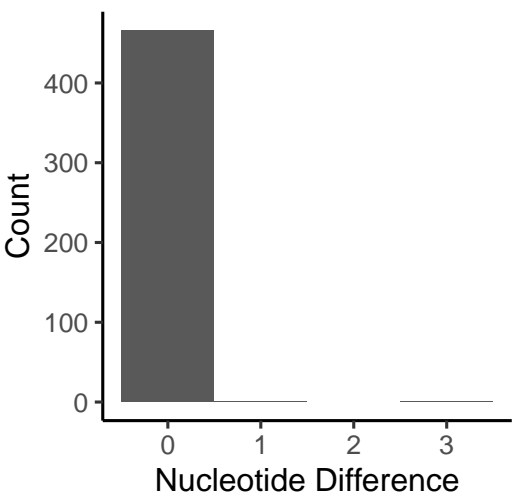
TRBV12-5*ap01

730 sequences assigned
726 (99.5%) exact matches, in which:
726 unique CDR3
12 unique J



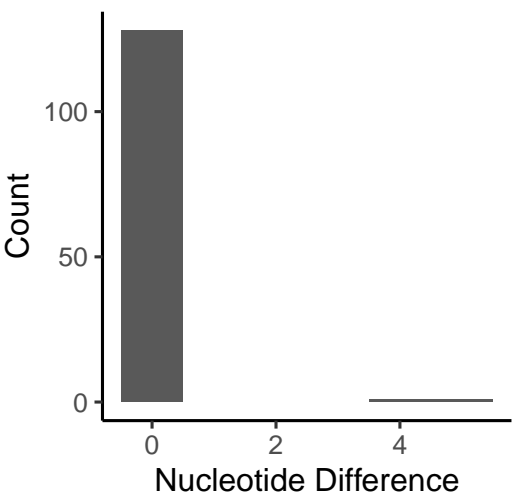
TRBV11-1*ap01

468 sequences assigned
466 (99.6%) exact matches, in which:
466 unique CDR3
12 unique J



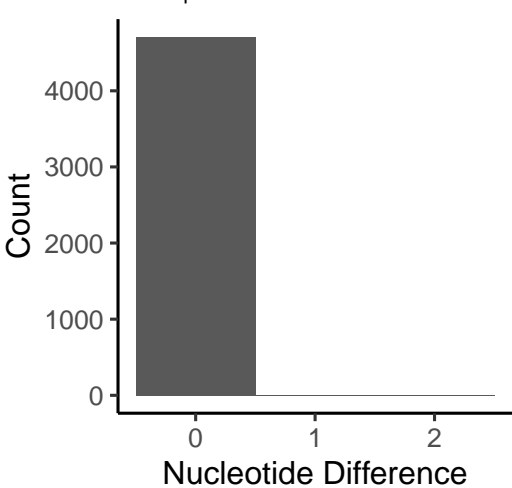
TRBV12-1*ap01

130 sequences assigned
128 (98.5%) exact matches, in which:
128 unique CDR3
12 unique J



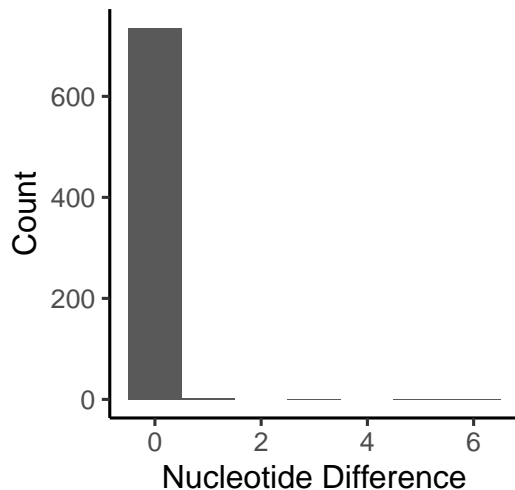
TRBV12-34*ap01

4713 sequences assigned
4706 (99.9%) exact matches, in which:
4705 unique CDR3
12 unique J



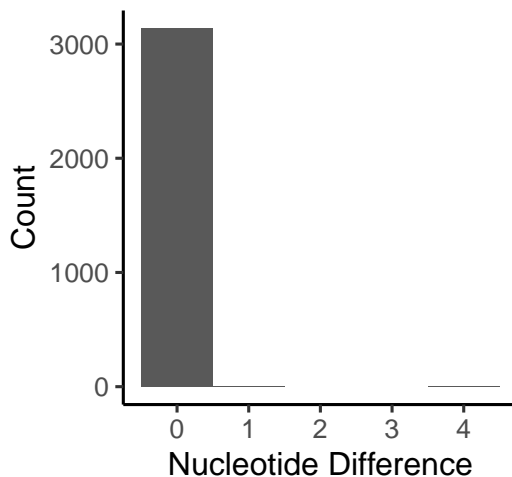
TRBV23-1*ap01

741 sequences assigned
736 (99.3%) exact matches, in which:
736 unique CDR3
12 unique J



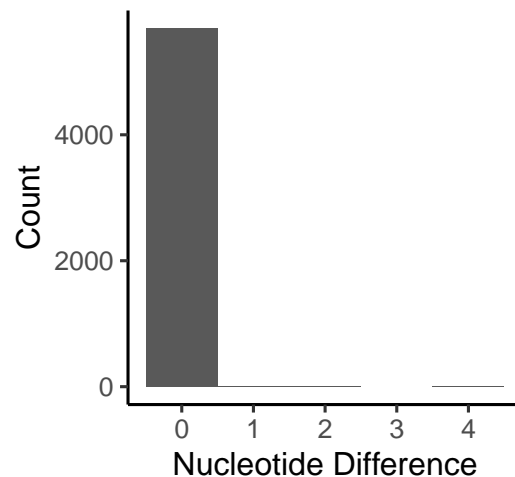
TRBV4-1*ap01

3146 sequences assigned
3137 (99.7%) exact matches, in which:
3133 unique CDR3
12 unique J



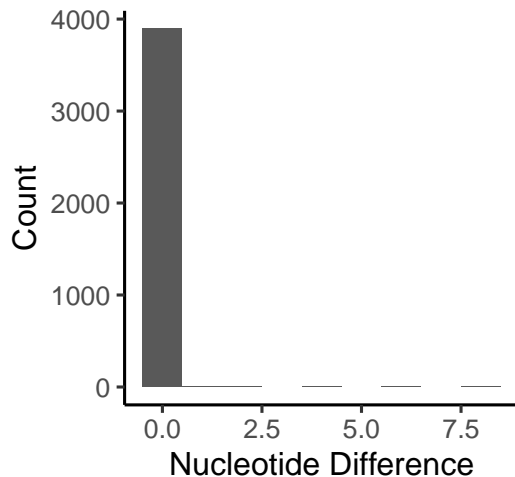
TRBV5-1*ap01

5703 sequences assigned
5689 (99.8%) exact matches, in which:
5672 unique CDR3
12 unique J



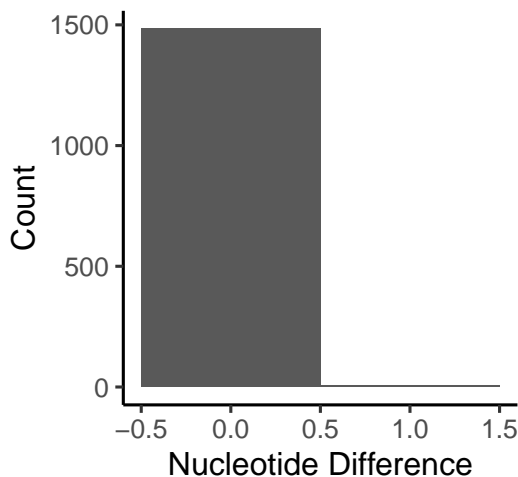
TRBV3-12*ap01

3907 sequences assigned
3895 (99.7%) exact matches, in which:
3892 unique CDR3
13 unique J



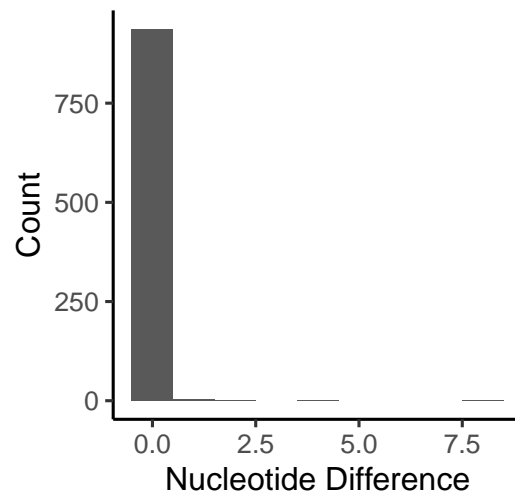
TRBV4-2*ap01

1492 sequences assigned
1484 (99.5%) exact matches, in which:
1482 unique CDR3
12 unique J



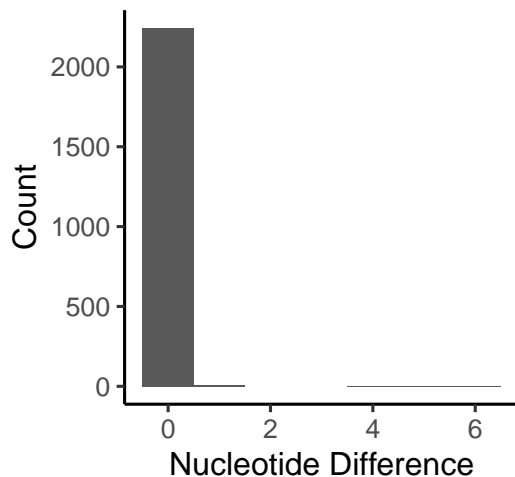
TRBV25-1*ap01

946 sequences assigned
937 (99%) exact matches, in which:
937 unique CDR3
12 unique J



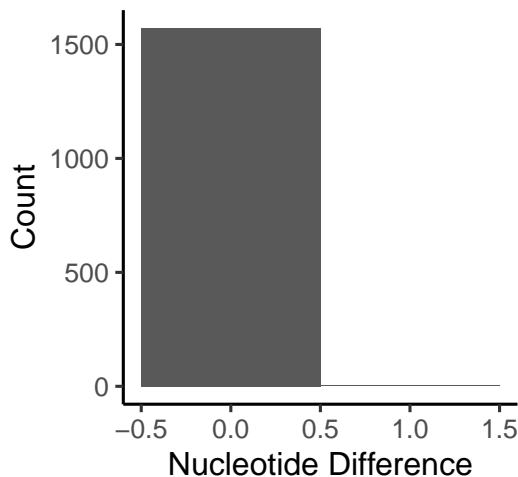
TRBV24-1*ap01

2258 sequences assigned
2243 (99.3%) exact matches, in which:
2237 unique CDR3
12 unique J



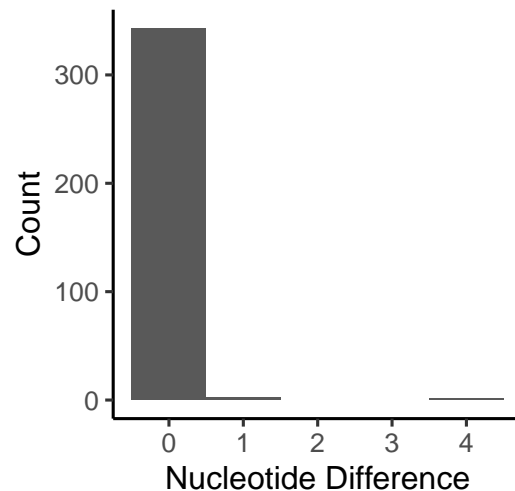
TRBV4-3*ap01

1575 sequences assigned
1572 (99.8%) exact matches, in which:
1572 unique CDR3
12 unique J



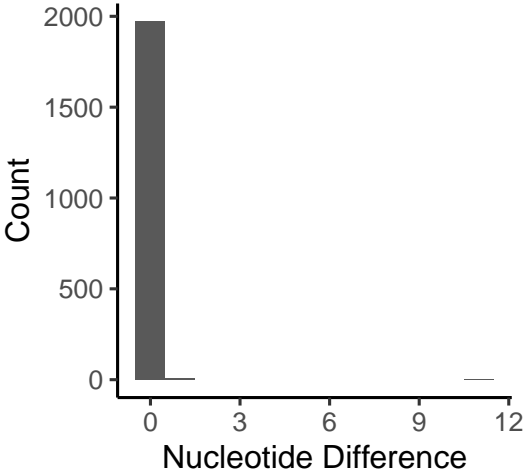
TRBV5-3*ap01

346 sequences assigned
343 (99.1%) exact matches, in which:
342 unique CDR3
12 unique J



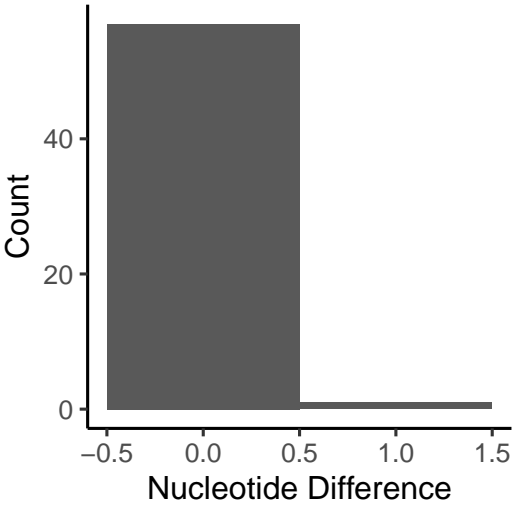
TRBV5-4*ap01

1983 sequences assigned
1972 (99.4%) exact matches, in which:
1972 unique CDR3
12 unique J



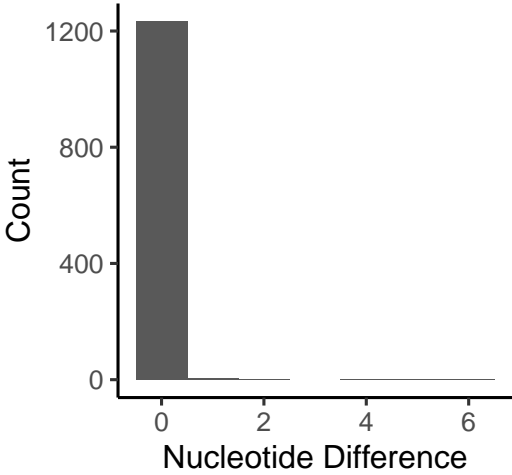
TRBV5-7*ap01

58 sequences assigned
57 (98.3%) exact matches, in which:
57 unique CDR3
9 unique J



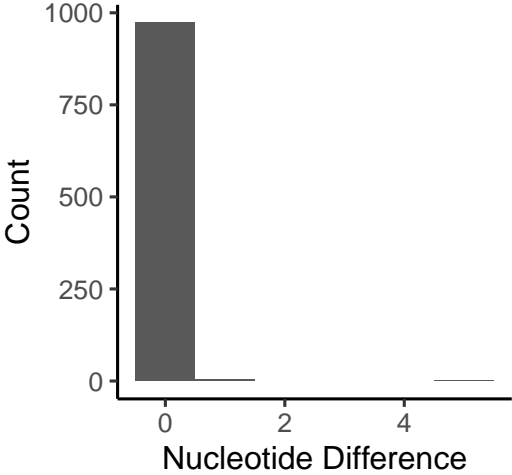
TRBV6-4*ap01

1242 sequences assigned
1233 (99.3%) exact matches, in which:
1231 unique CDR3
12 unique J



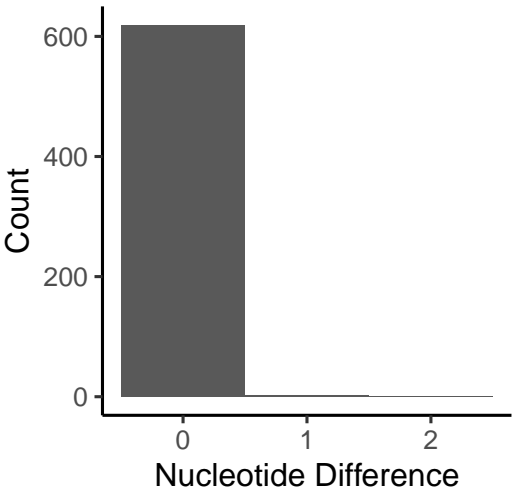
TRBV5-5*ap01

979 sequences assigned
973 (99.4%) exact matches, in which:
971 unique CDR3
12 unique J



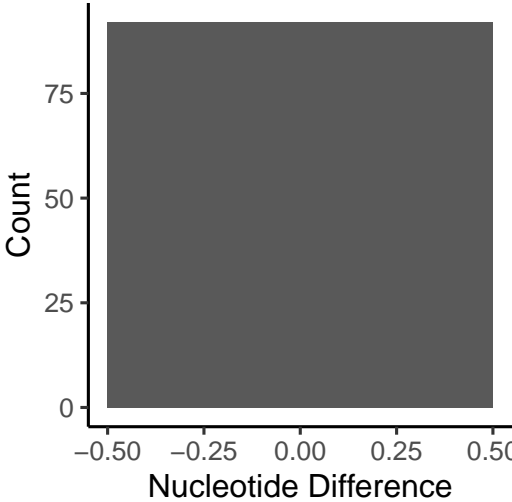
TRBV5-8*ap01

622 sequences assigned
619 (99.5%) exact matches, in which:
618 unique CDR3
12 unique J



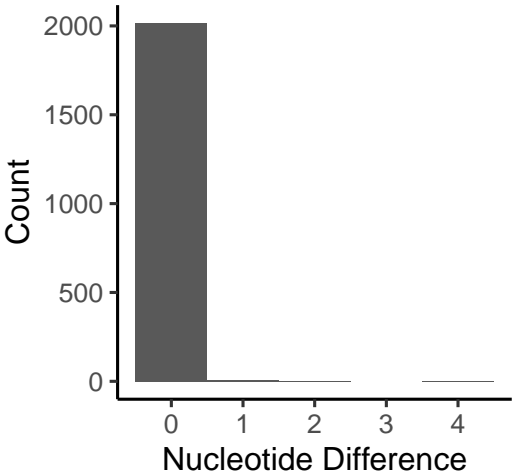
TRBV6-7*ap01

92 sequences assigned
92 (100%) exact matches, in which:
92 unique CDR3
12 unique J



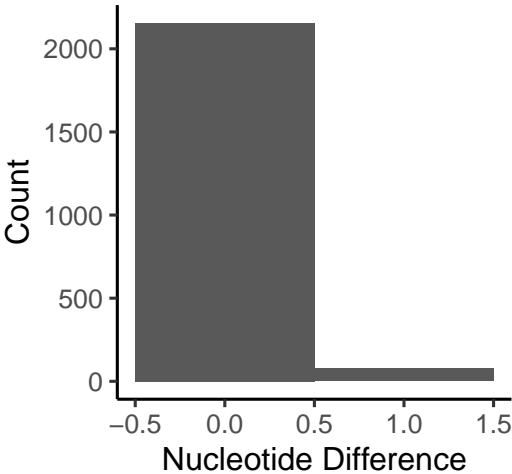
TRBV5-6*ap01

2027 sequences assigned
2016 (99.5%) exact matches, in which:
2016 unique CDR3
12 unique J



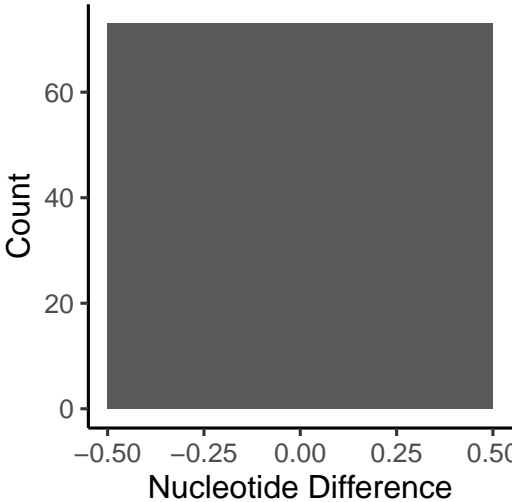
TRBV6-1*ap01

2231 sequences assigned
2155 (96.6%) exact matches, in which:
2149 unique CDR3
12 unique J



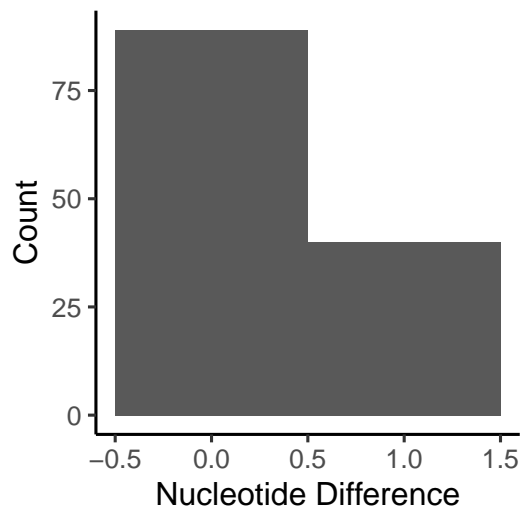
TRBV6-8*ap01

73 sequences assigned
73 (100%) exact matches, in which:
72 unique CDR3
10 unique J



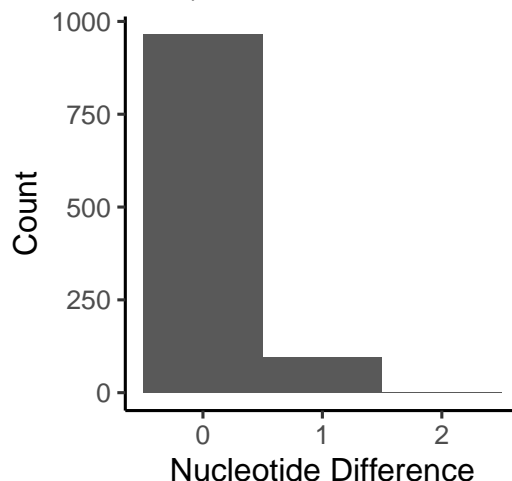
TRBV6–9*ap01

129 sequences assigned
89 (69%) exact matches, in which:
89 unique CDR3
12 unique J



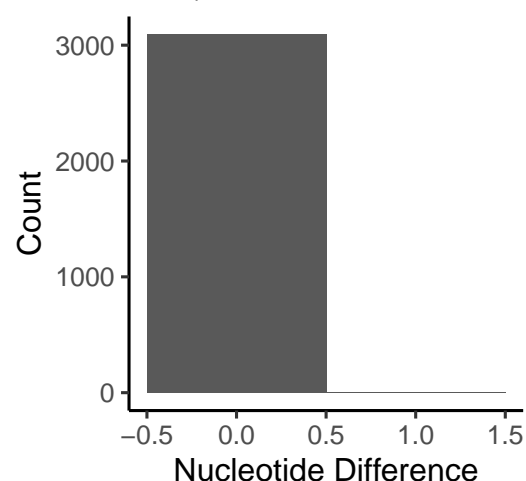
TRBV6–56*ap02

1062 sequences assigned
965 (90.9%) exact matches, in which:
963 unique CDR3
12 unique J



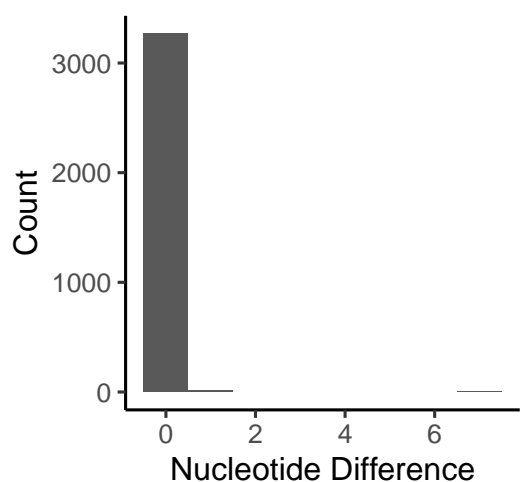
TRBV7–2*ap01

3099 sequences assigned
3093 (99.8%) exact matches, in which:
3092 unique CDR3
12 unique J



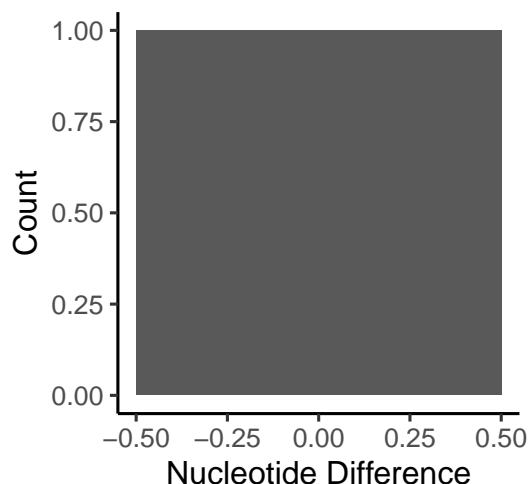
TRBV6–23*ap01

3285 sequences assigned
3267 (99.5%) exact matches, in which:
3267 unique CDR3
12 unique J



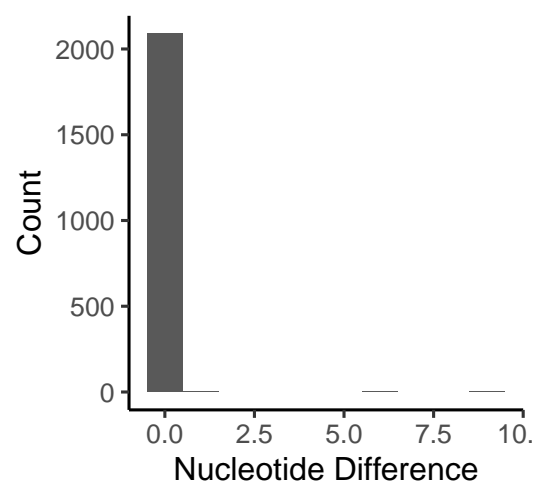
TRBV7–1*ap01

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



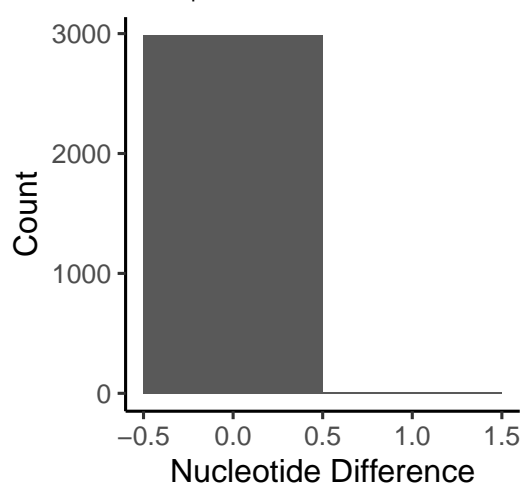
TRBV7–3*ap01

2098 sequences assigned
2089 (99.6%) exact matches, in which:
2085 unique CDR3
12 unique J



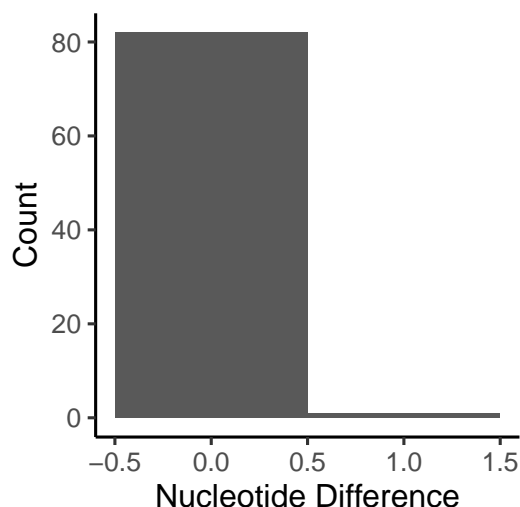
TRBV6–56*ap01

2999 sequences assigned
2988 (99.6%) exact matches, in which:
2983 unique CDR3
12 unique J



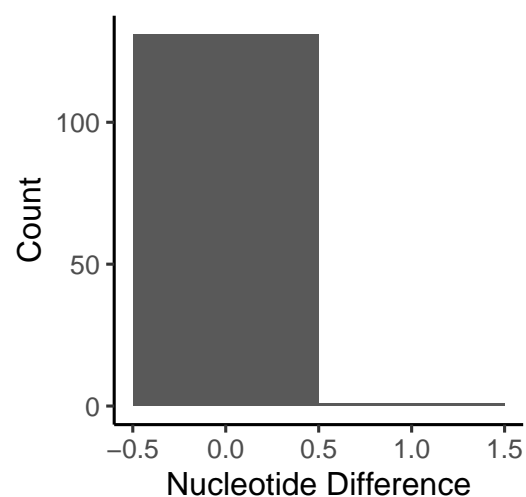
TRBV7–1*ap01_G291C_T

83 sequences assigned
82 (98.8%) exact matches, in which:
82 unique CDR3
12 unique J



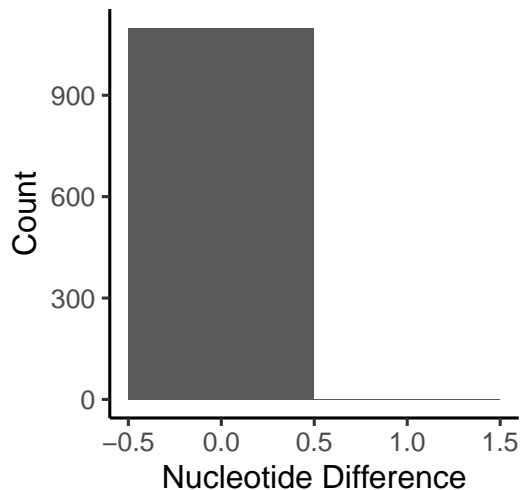
TRBV7–4*ap01

132 sequences assigned
131 (99.2%) exact matches, in which:
131 unique CDR3
12 unique J



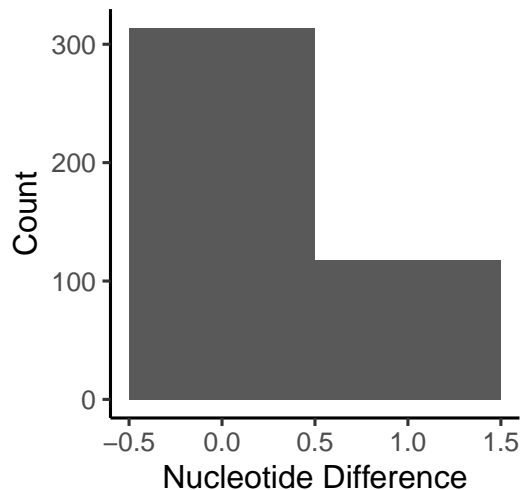
TRBV7-6*ap01

1101 sequences assigned
1100 (99.9%) exact matches, in which:
1099 unique CDR3
12 unique J



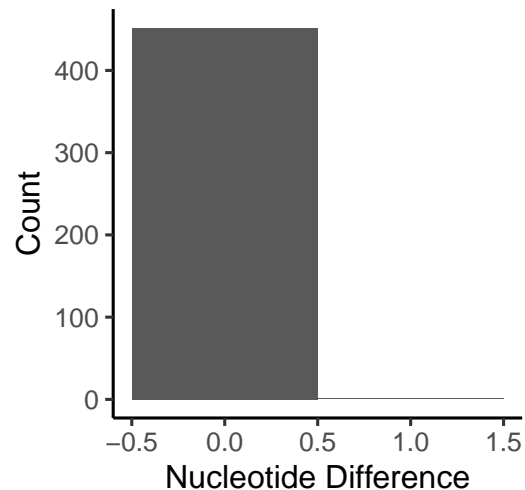
TRBV7-8*ap03

432 sequences assigned
314 (72.7%) exact matches, in which:
313 unique CDR3
12 unique J



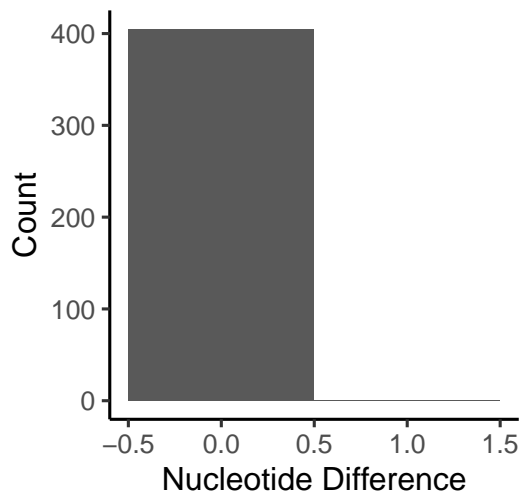
TRBV29-1*ap02

453 sequences assigned
452 (99.8%) exact matches, in which:
452 unique CDR3
12 unique J



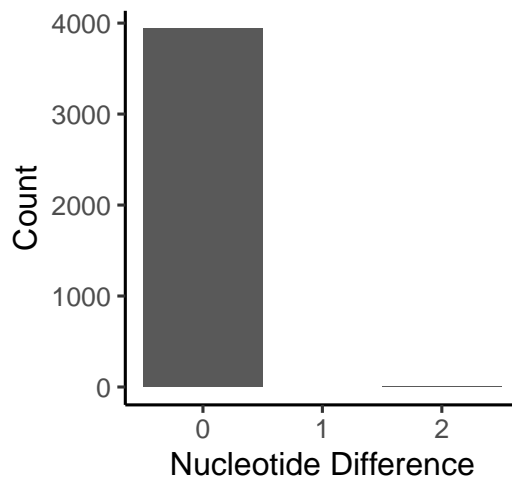
TRBV7-7*ap01_C315T

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



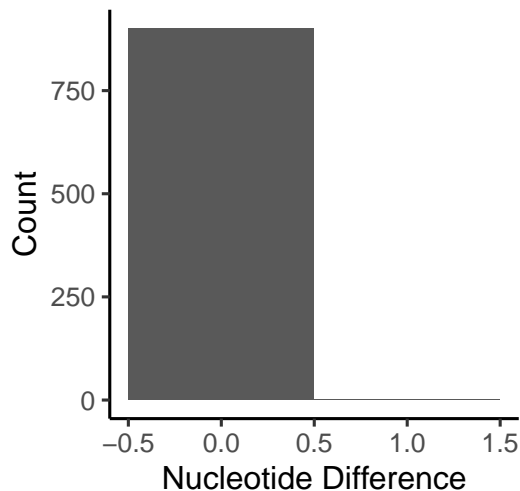
TRBV7-9*ap01

3939 sequences assigned
3938 (100%) exact matches, in which:
3938 unique CDR3
12 unique J



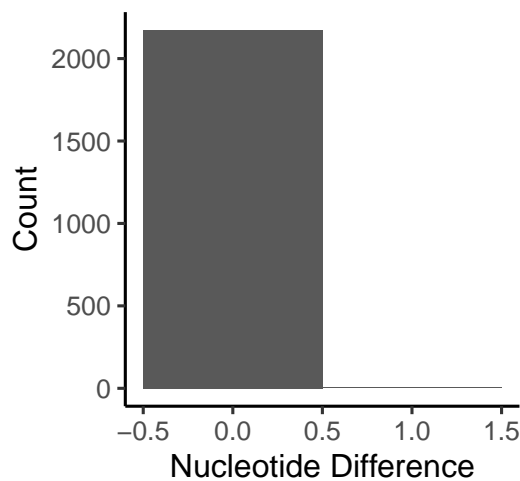
TRBV7-8*ap01

902 sequences assigned
901 (99.9%) exact matches, in which:
899 unique CDR3
12 unique J

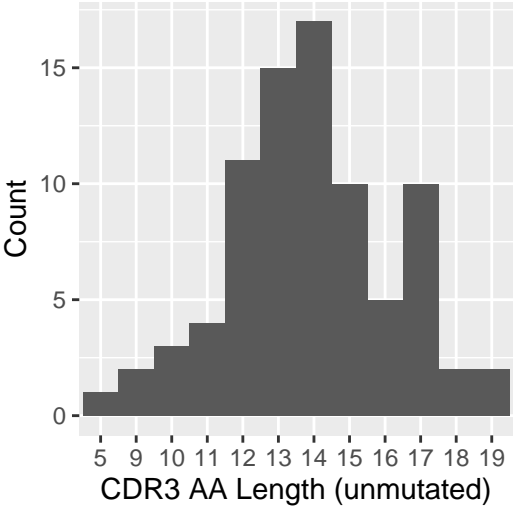


TRBV29-1*ap01

2178 sequences assigned
2173 (99.8%) exact matches, in which:
2171 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

