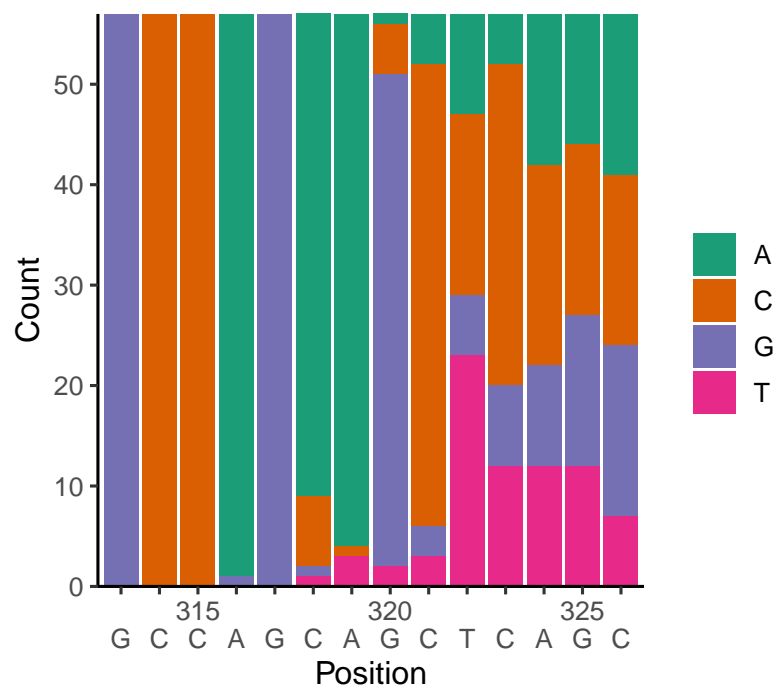
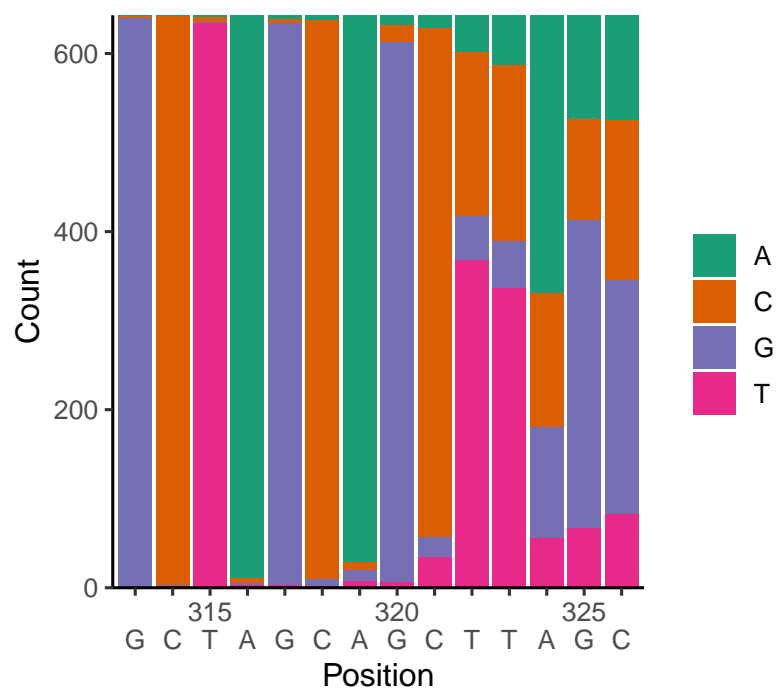


Gene TRBV7-1*ap01_T296C



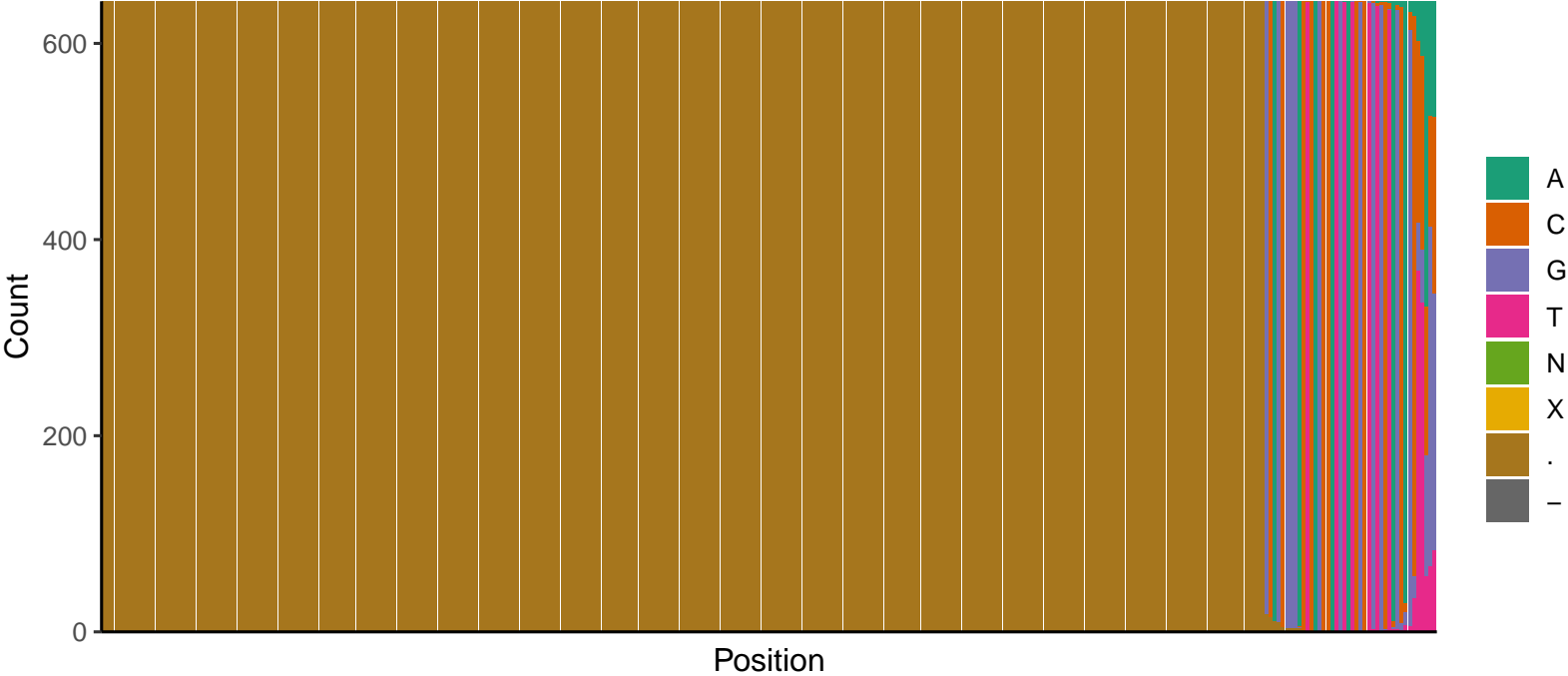
Gene TRBV7-7*ap01_C315T



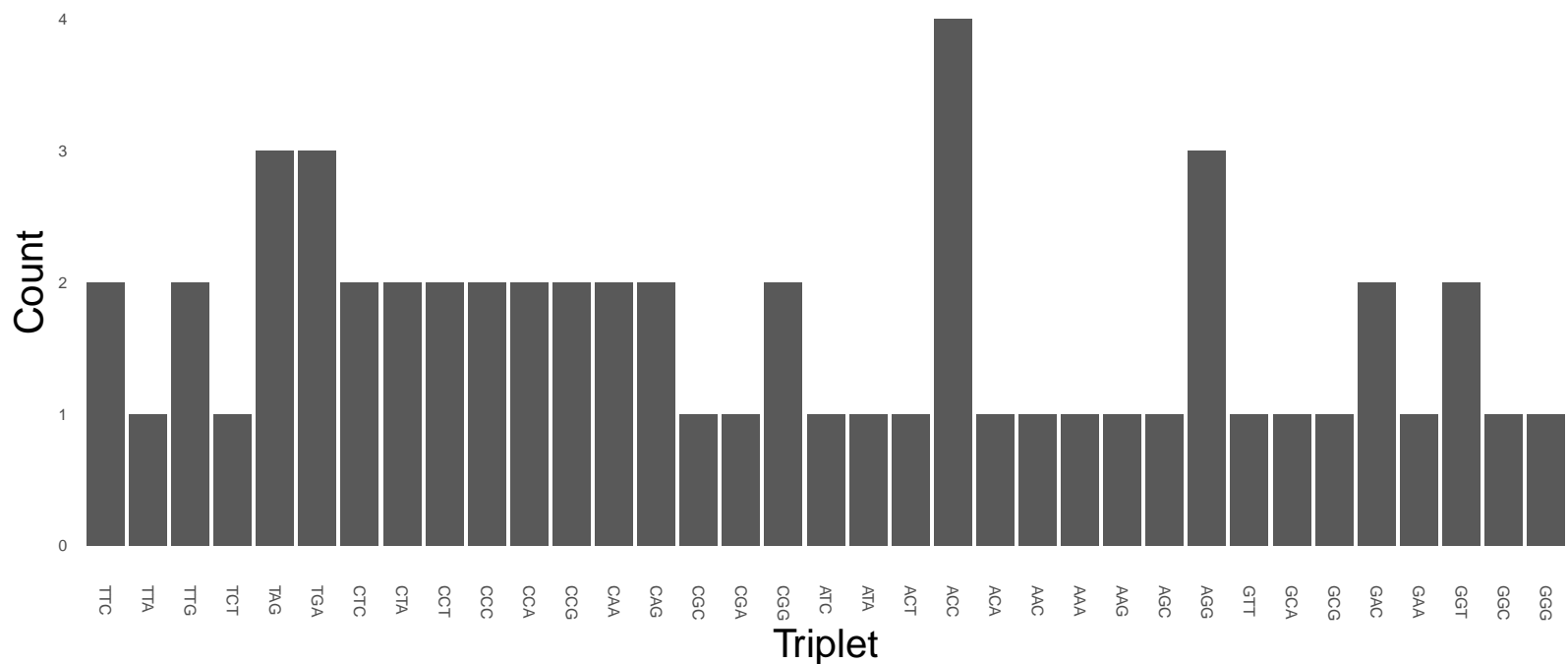
Gene TRBV7-1*ap01_T296C



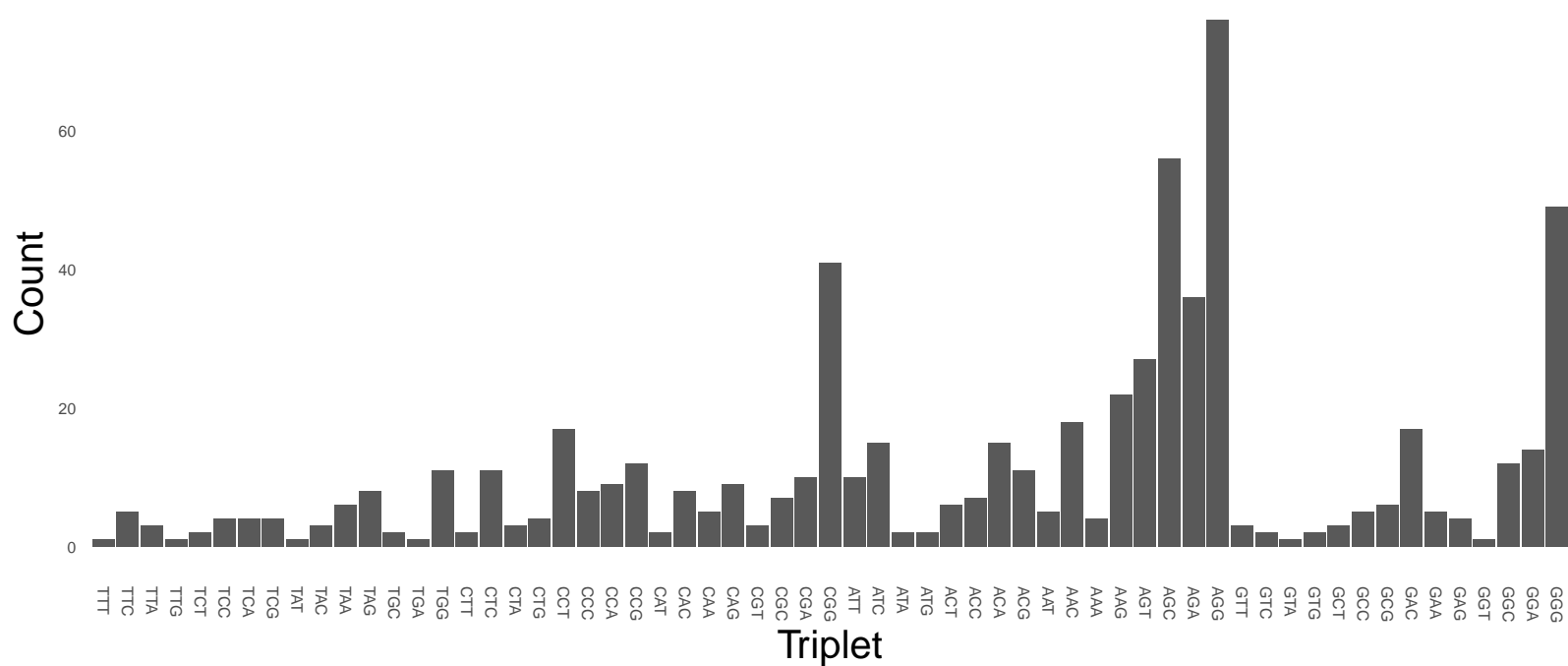
Gene TRBV7-7*ap01_C315T



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

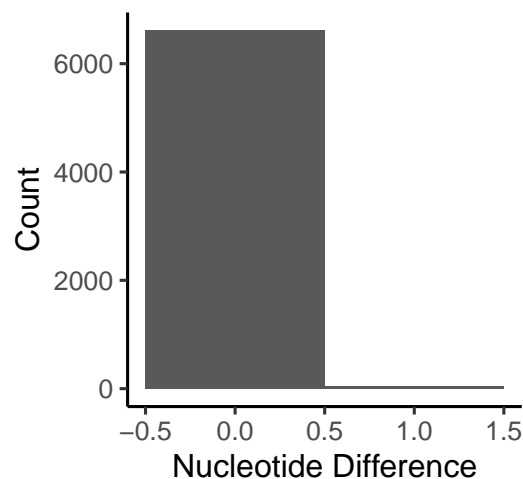


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



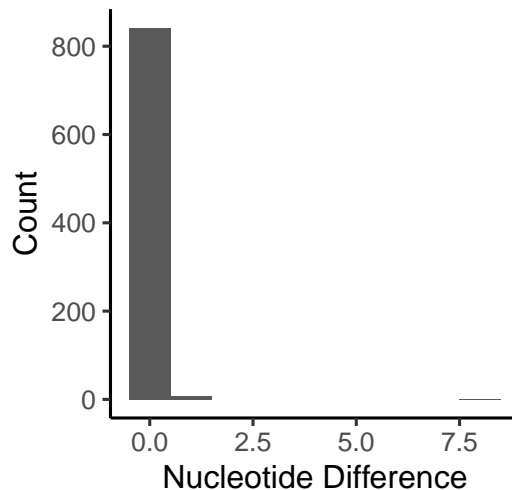
TRBV20-1*ap01

6668 sequences assigned
6614 (99.2%) exact matches, in which:
6549 unique CDR3
13 unique J



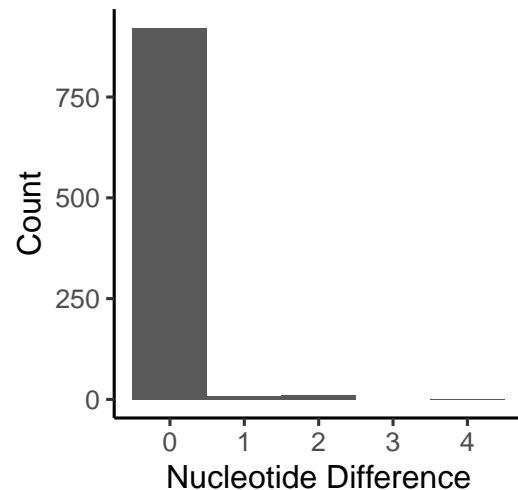
TRBV10-2*ap01

850 sequences assigned
842 (99.1%) exact matches, in which:
831 unique CDR3
13 unique J



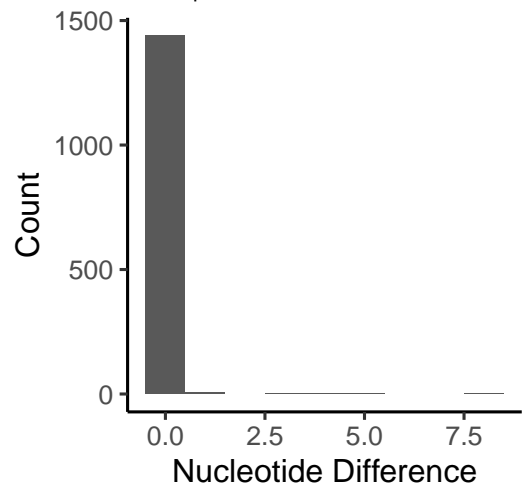
TRBV13*ap01

942 sequences assigned
922 (97.9%) exact matches, in which:
915 unique CDR3
13 unique J



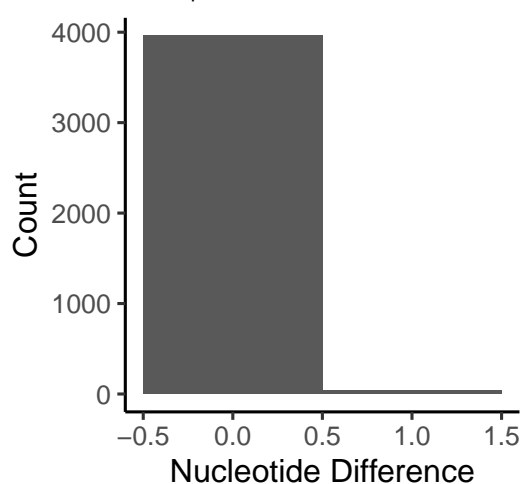
TRBV10-1*ap01

1450 sequences assigned
1439 (99.2%) exact matches, in which:
1419 unique CDR3
13 unique J



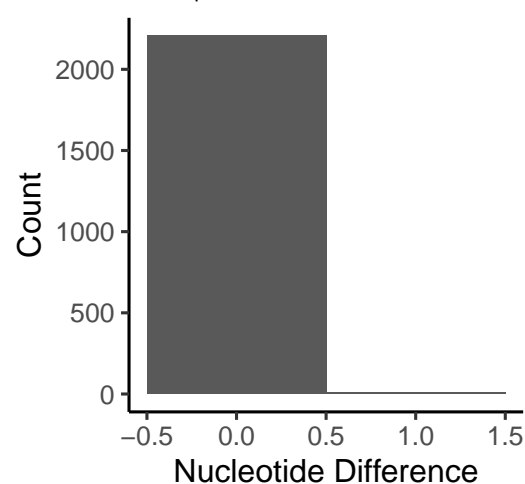
TRBV10-3*ap01

4003 sequences assigned
3961 (99%) exact matches, in which:
3900 unique CDR3
13 unique J



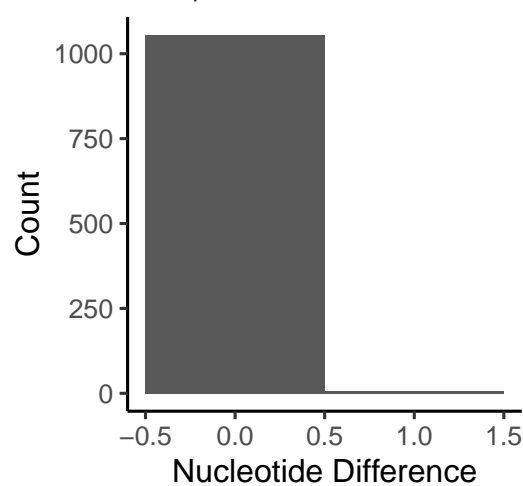
TRBV14*ap01

2219 sequences assigned
2207 (99.5%) exact matches, in which:
2189 unique CDR3
13 unique J



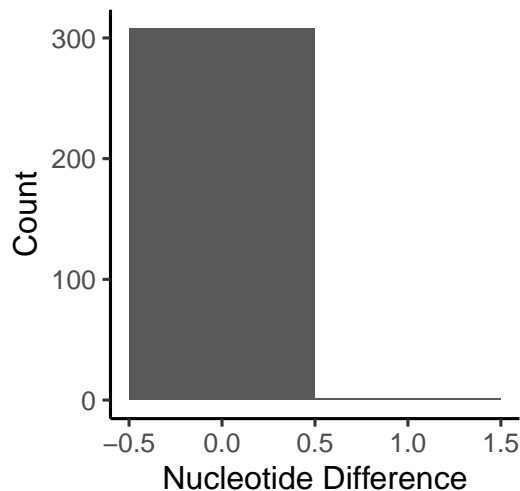
TRBV20-1*ap02

1062 sequences assigned
1055 (99.3%) exact matches, in which:
1040 unique CDR3
13 unique J



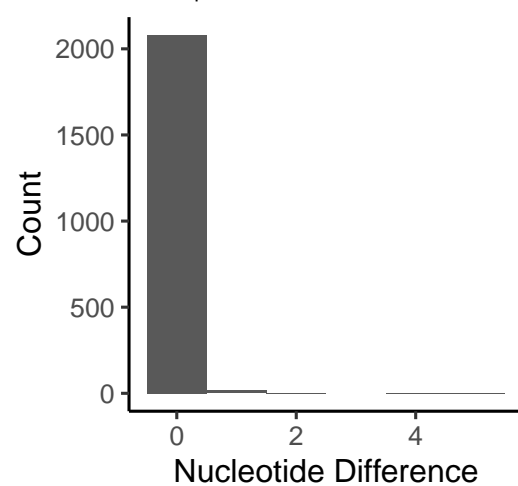
TRBV1*ap01

309 sequences assigned
308 (99.7%) exact matches, in which:
303 unique CDR3
13 unique J



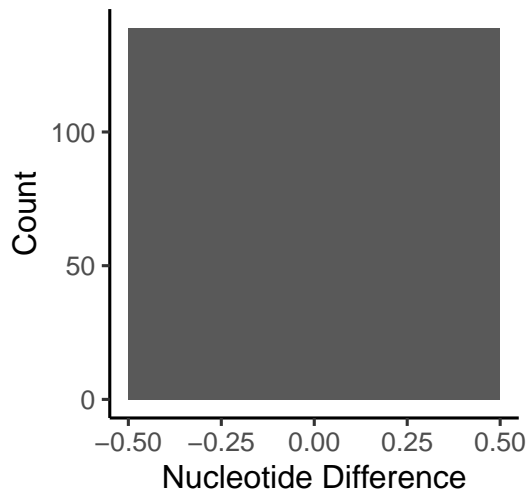
TRBV15*ap02

2100 sequences assigned
2080 (99%) exact matches, in which:
2056 unique CDR3
13 unique J



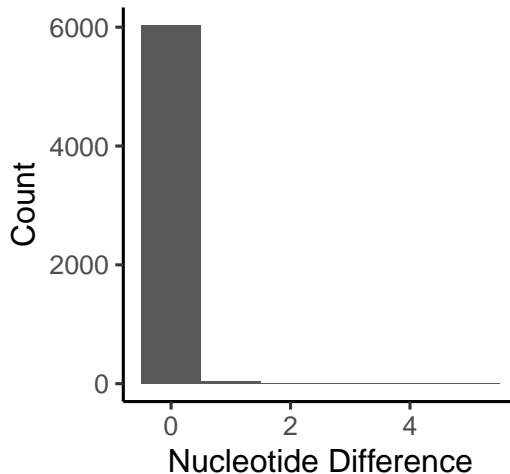
TRBV16*ap01

139 sequences assigned
139 (100%) exact matches, in which:
138 unique CDR3
11 unique J



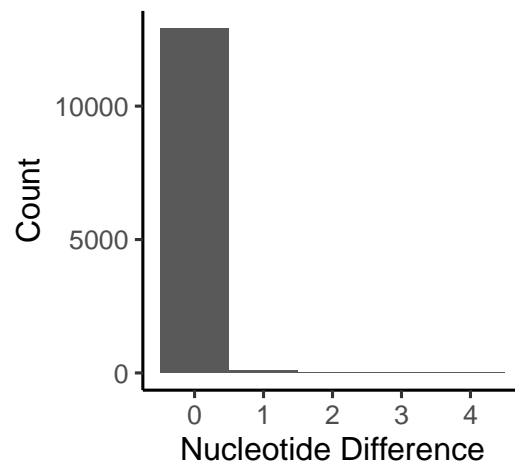
TRBV2*ap01

6083 sequences assigned
6030 (99.1%) exact matches, in which:
5950 unique CDR3
13 unique J



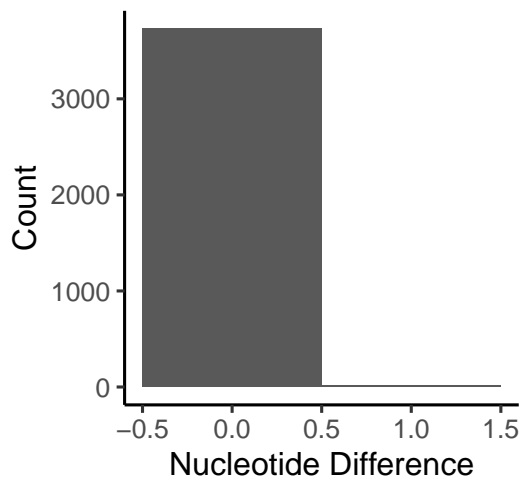
TRBV28*ap01

13029 sequences assigned
12923 (99.2%) exact matches, in which:
12820 unique CDR3
13 unique J



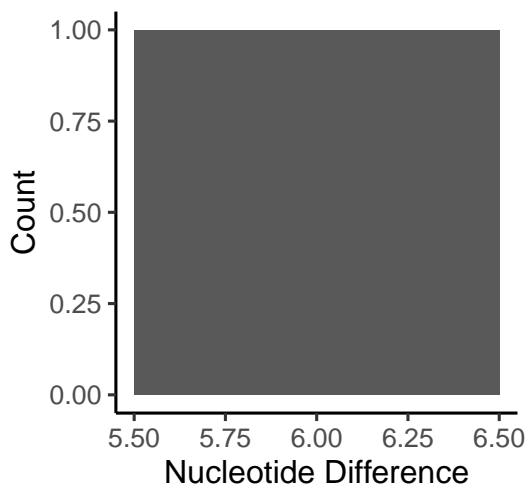
TRBV18*ap01

3747 sequences assigned
3730 (99.5%) exact matches, in which:
3707 unique CDR3
13 unique J



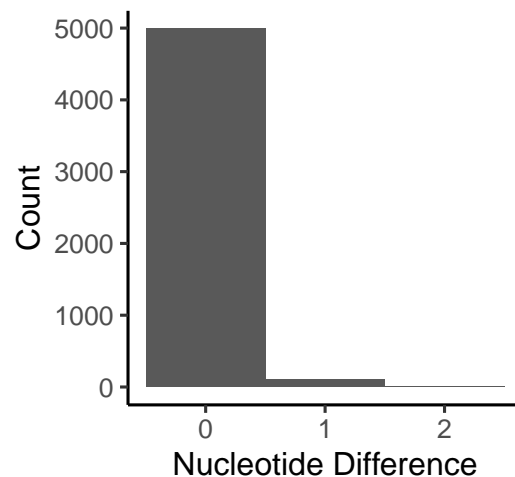
TRBV26*ap01

1 sequences assigned
No exact matches.



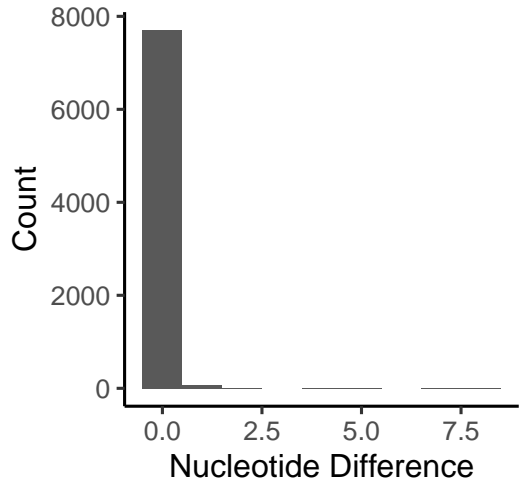
TRBV30*ap01

5105 sequences assigned
4991 (97.8%) exact matches, in which:
4895 unique CDR3
13 unique J



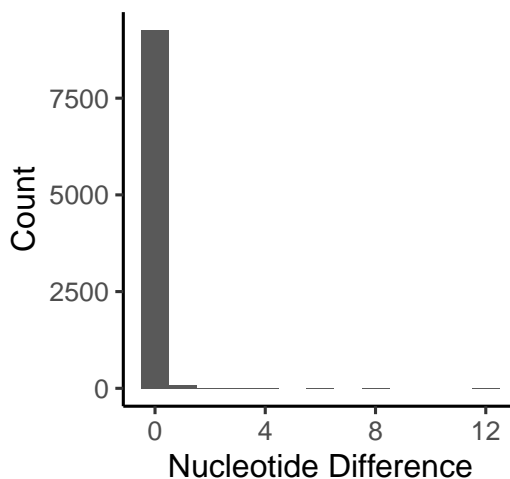
TRBV19*ap01

7778 sequences assigned
7705 (99.1%) exact matches, in which:
7655 unique CDR3
13 unique J



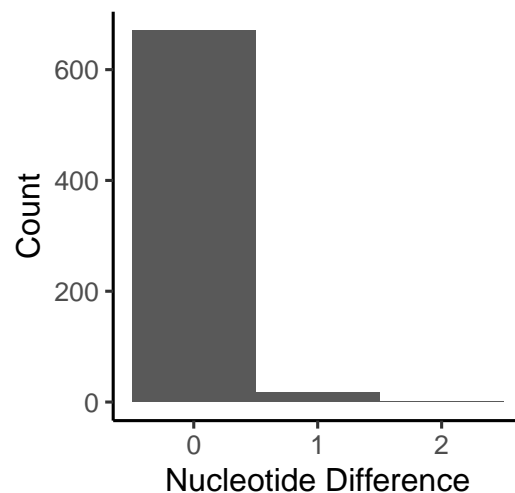
TRBV27*ap01

9363 sequences assigned
9261 (98.9%) exact matches, in which:
9146 unique CDR3
13 unique J



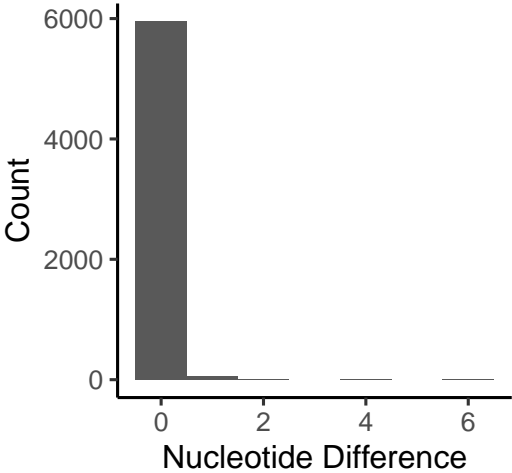
TRBV30*ap03

689 sequences assigned
671 (97.4%) exact matches, in which:
663 unique CDR3
13 unique J



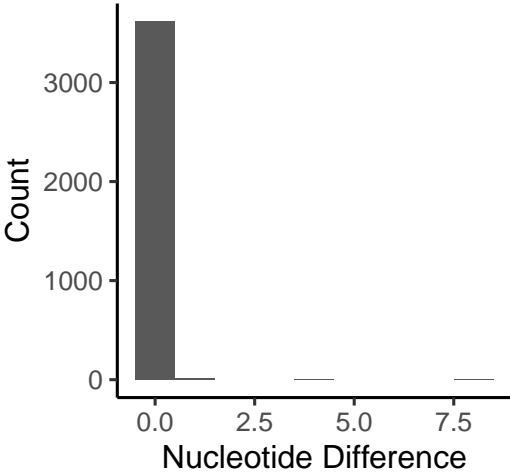
TRBV9*ap01

6006 sequences assigned
5953 (99.1%) exact matches, in which:
5895 unique CDR3
13 unique J



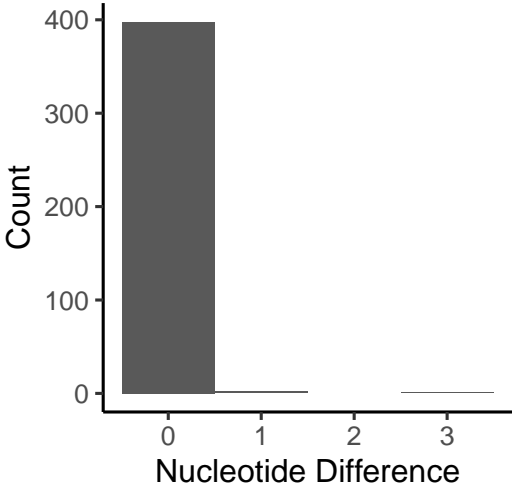
TRBV11-2*ap01

3637 sequences assigned
3617 (99.5%) exact matches, in which:
3587 unique CDR3
13 unique J



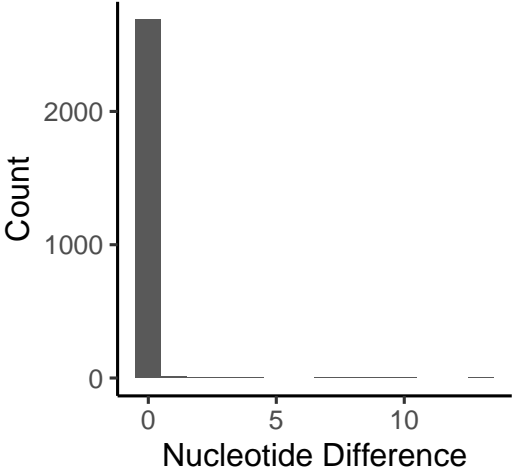
TRBV12-2*ap01

401 sequences assigned
398 (99.3%) exact matches, in which:
396 unique CDR3
13 unique J



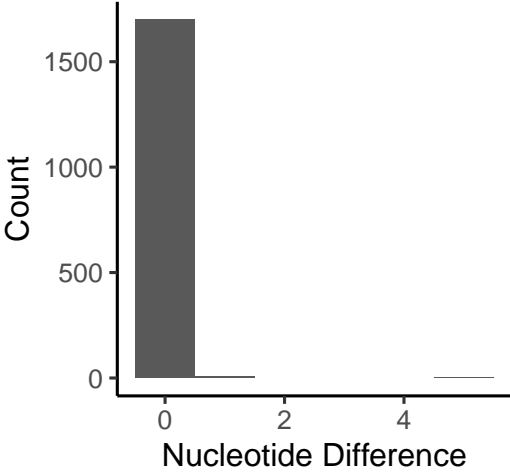
TRBV21-1*ap01

2723 sequences assigned
2688 (98.7%) exact matches, in which:
2667 unique CDR3
13 unique J



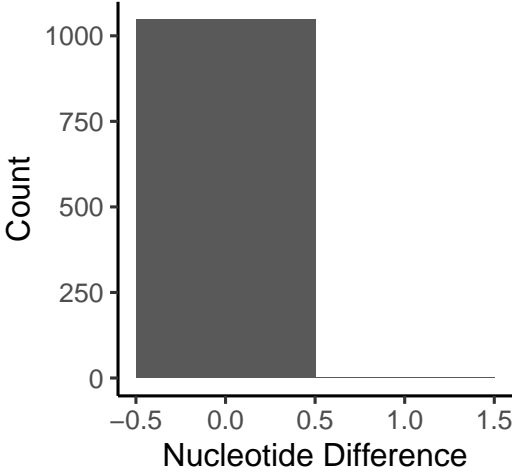
TRBV11-3*ap01

1708 sequences assigned
1699 (99.5%) exact matches, in which:
1692 unique CDR3
13 unique J



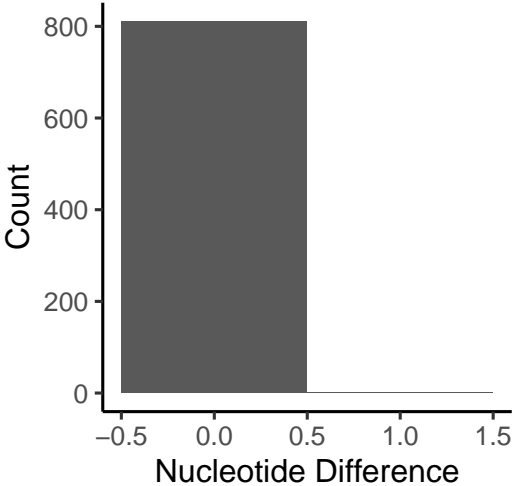
TRBV12-5*ap01

1049 sequences assigned
1047 (99.8%) exact matches, in which:
1035 unique CDR3
13 unique J



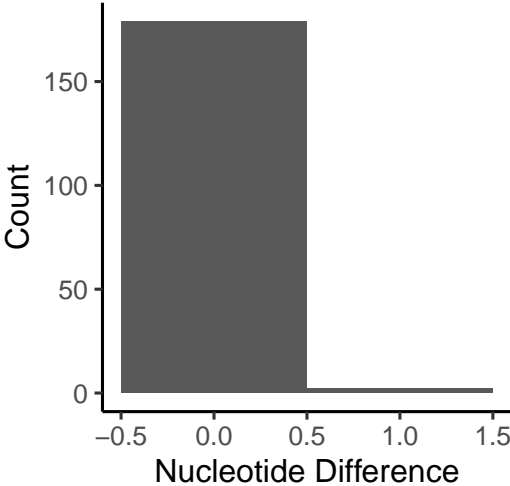
TRBV11-1*ap01

813 sequences assigned
811 (99.8%) exact matches, in which:
801 unique CDR3
13 unique J



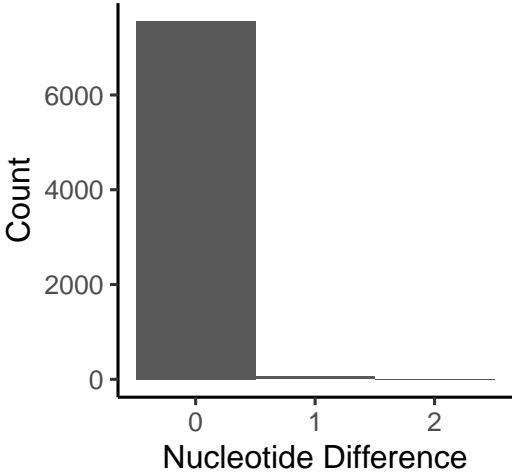
TRBV12-1*ap01

181 sequences assigned
179 (98.9%) exact matches, in which:
178 unique CDR3
13 unique J



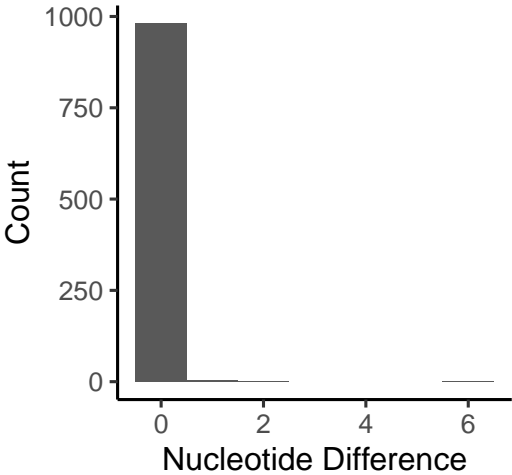
TRBV12-34*ap01

7620 sequences assigned
7560 (99.2%) exact matches, in which:
7465 unique CDR3
13 unique J



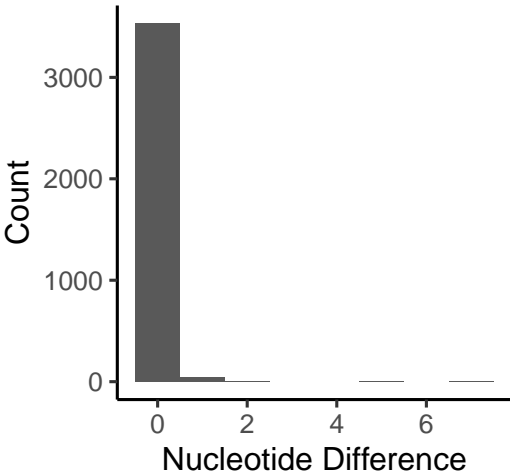
TRBV23-1*ap01

987 sequences assigned
981 (99.4%) exact matches, in which:
973 unique CDR3
13 unique J



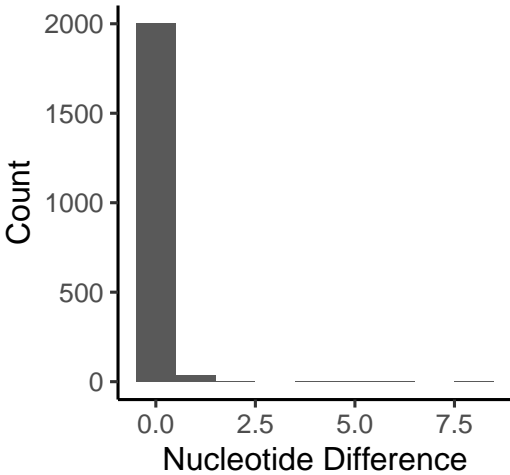
TRBV24-1*ap01

3577 sequences assigned
3532 (98.7%) exact matches, in which:
3472 unique CDR3
13 unique J



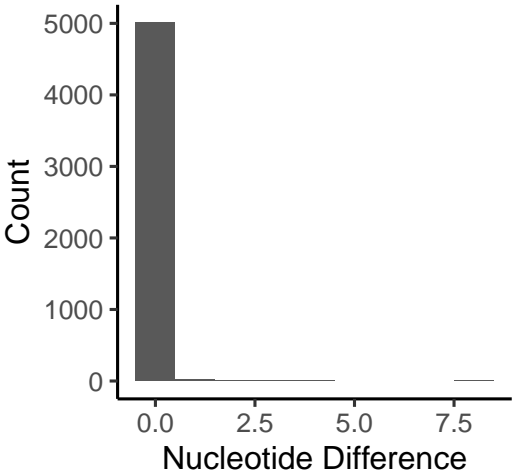
TRBV25-1*ap01

2047 sequences assigned
2002 (97.8%) exact matches, in which:
1969 unique CDR3
13 unique J



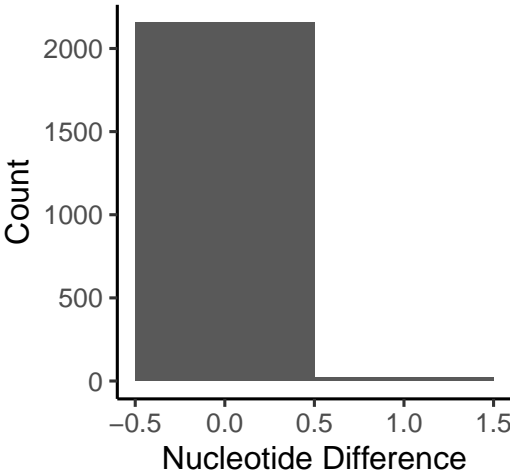
TRBV3-12*ap01

5040 sequences assigned
5009 (99.4%) exact matches, in which:
4974 unique CDR3
13 unique J



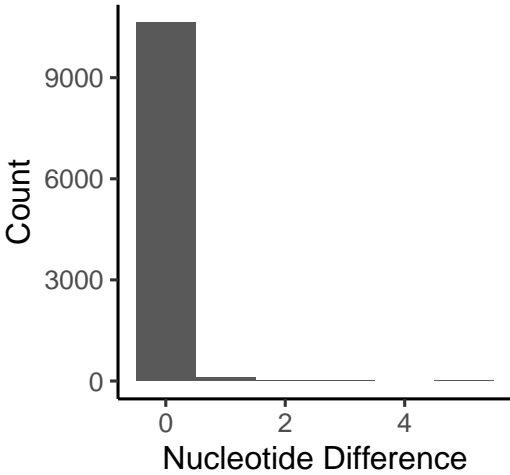
TRBV4-2*ap01

2177 sequences assigned
2155 (99%) exact matches, in which:
2122 unique CDR3
13 unique J



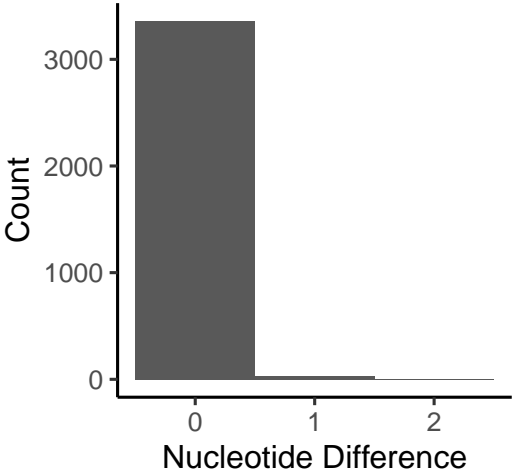
TRBV5-1*ap01

10741 sequences assigned
10630 (99%) exact matches, in which:
10497 unique CDR3
13 unique J



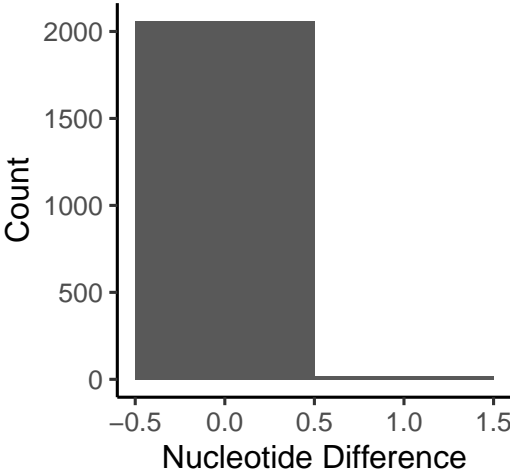
TRBV4-1*ap01

3391 sequences assigned
3359 (99.1%) exact matches, in which:
3319 unique CDR3
13 unique J



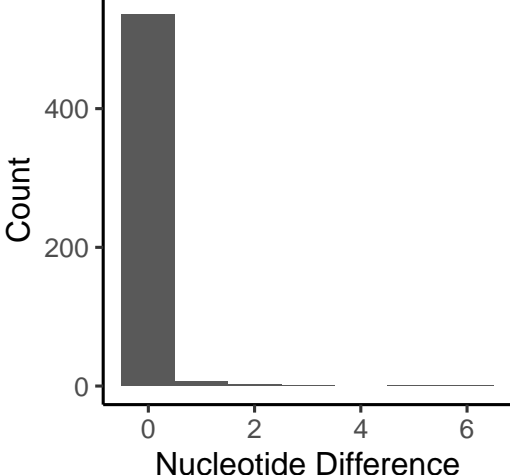
TRBV4-3*ap01

2080 sequences assigned
2060 (99%) exact matches, in which:
2035 unique CDR3
13 unique J



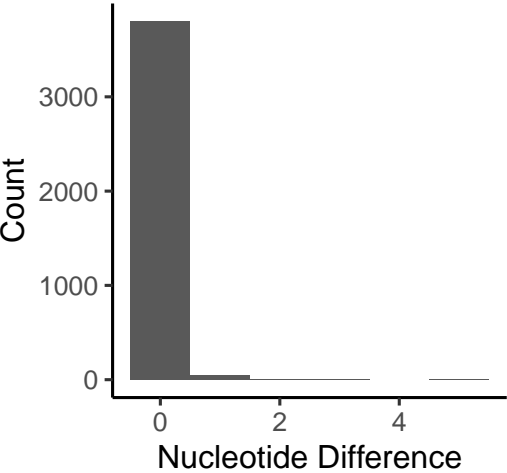
TRBV5-3*ap01

547 sequences assigned
536 (98%) exact matches, in which:
529 unique CDR3
13 unique J



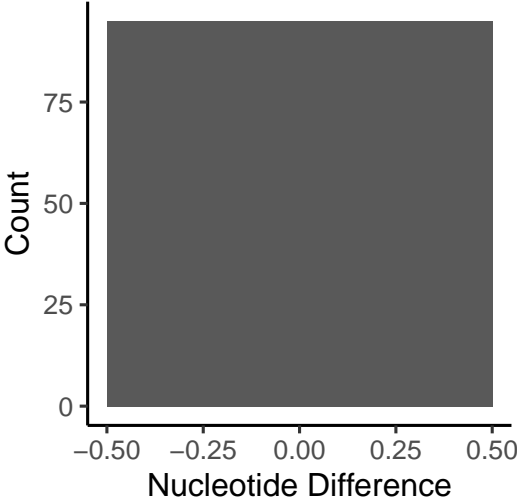
TRBV5-4*ap01

3850 sequences assigned
3800 (98.7%) exact matches, in which:
3745 unique CDR3
13 unique J



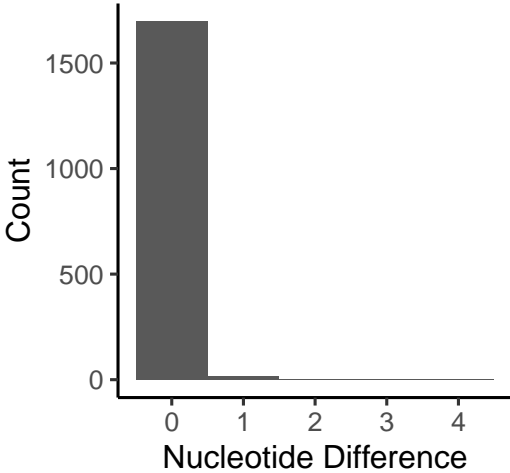
TRBV5-7*ap01

95 sequences assigned
95 (100%) exact matches, in which:
95 unique CDR3
12 unique J



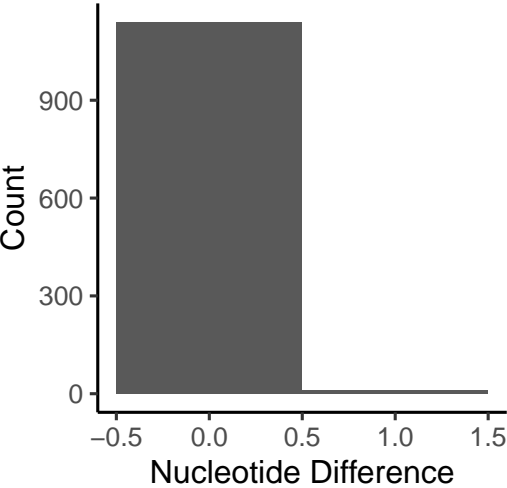
TRBV6-4*ap01

1722 sequences assigned
1697 (98.5%) exact matches, in which:
1677 unique CDR3
13 unique J



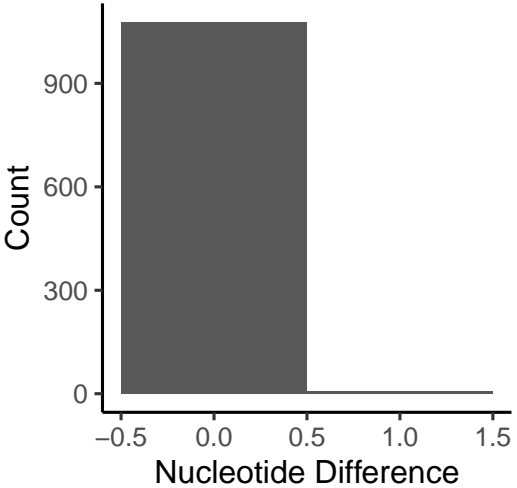
TRBV5-5*ap01

1152 sequences assigned
1140 (99%) exact matches, in which:
1137 unique CDR3
13 unique J



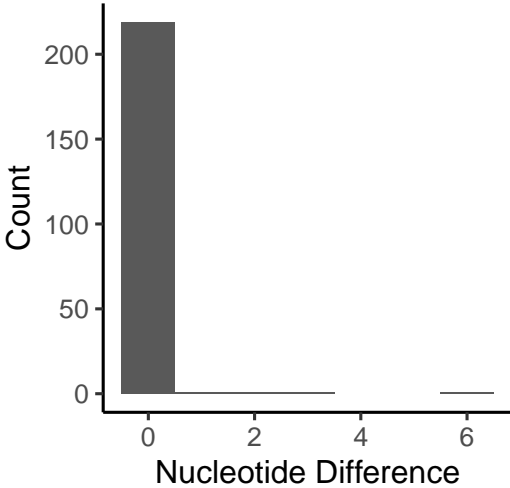
TRBV5-8*ap01

1084 sequences assigned
1078 (99.4%) exact matches, in which:
1062 unique CDR3
13 unique J



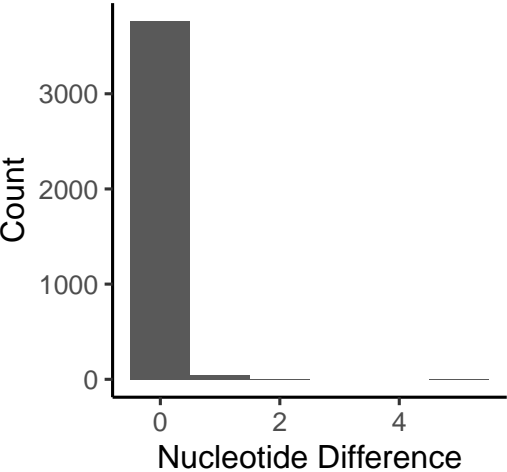
TRBV6-7*ap01

223 sequences assigned
219 (98.2%) exact matches, in which:
211 unique CDR3
13 unique J



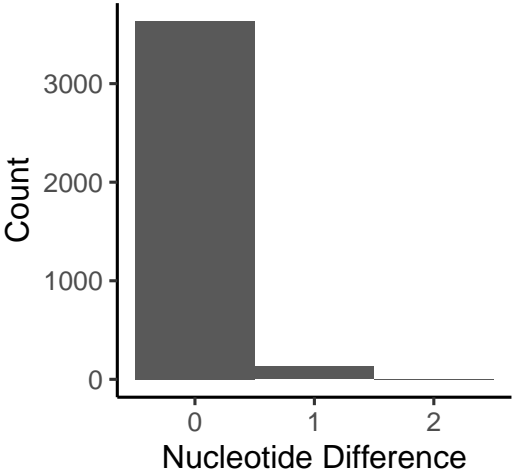
TRBV5-6*ap01

3812 sequences assigned
3764 (98.7%) exact matches, in which:
3665 unique CDR3
13 unique J



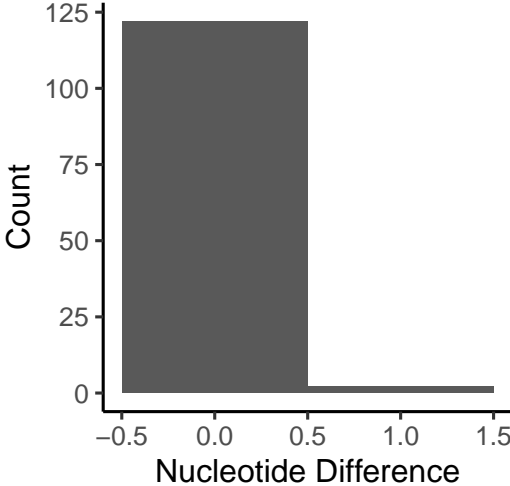
TRBV6-1*ap01

3767 sequences assigned
3635 (96.5%) exact matches, in which:
3576 unique CDR3
13 unique J



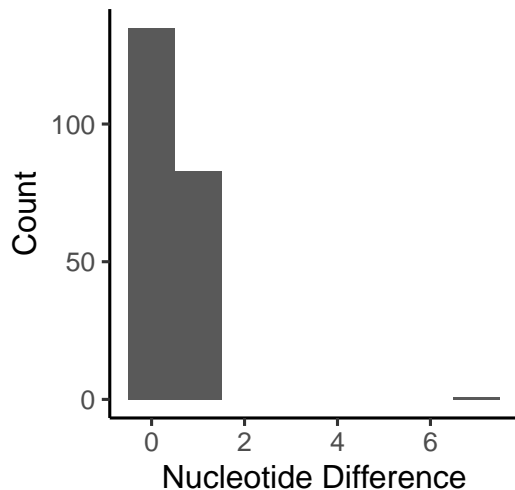
TRBV6-8*ap01

124 sequences assigned
122 (98.4%) exact matches, in which:
121 unique CDR3
13 unique J



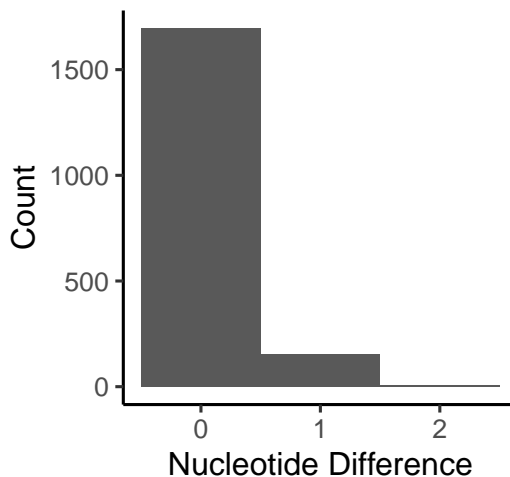
TRBV6-9*ap01

219 sequences assigned
135 (61.6%) exact matches, in which:
132 unique CDR3
12 unique J



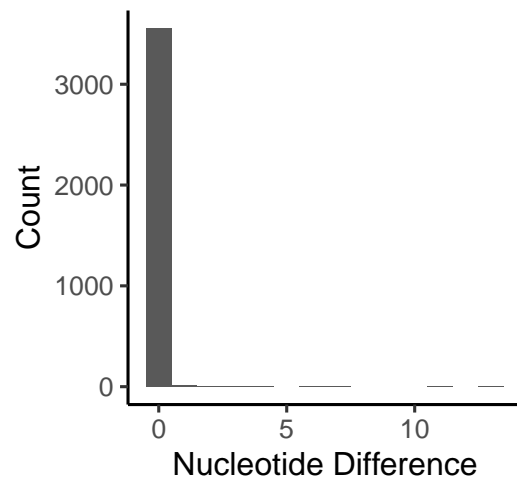
TRBV6-56*ap02

1855 sequences assigned
1695 (91.4%) exact matches, in which:
1665 unique CDR3
13 unique J



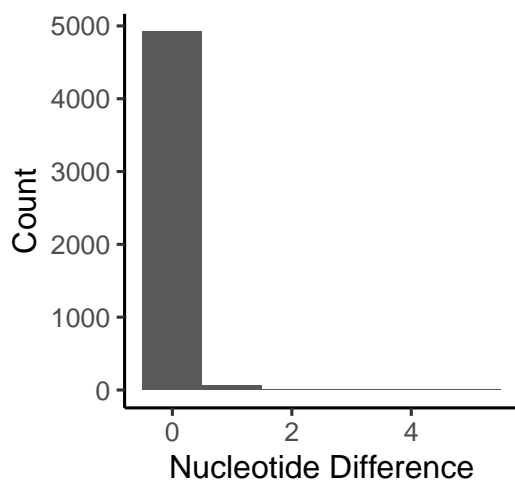
TRBV7-3*ap01

3574 sequences assigned
3554 (99.4%) exact matches, in which:
3517 unique CDR3
13 unique J



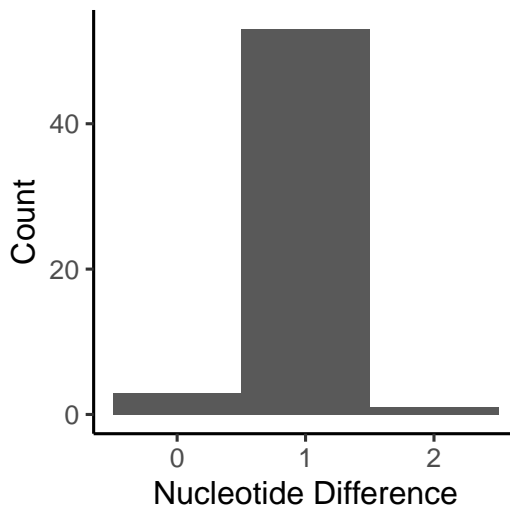
TRBV6-23*ap01

4987 sequences assigned
4920 (98.7%) exact matches, in which:
4821 unique CDR3
13 unique J



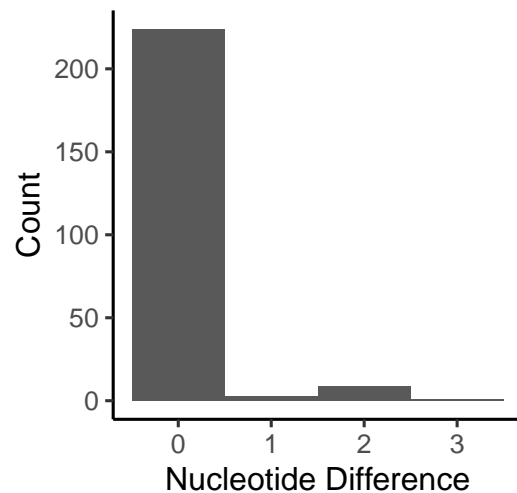
TRBV7-1*ap01_T296C

57 sequences assigned
3 (5.3%) exact matches, in which:
3 unique CDR3
3 unique J



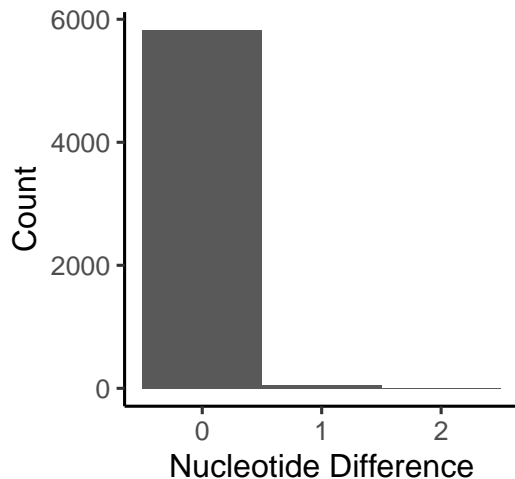
TRBV7-4*ap01

237 sequences assigned
224 (94.5%) exact matches, in which:
223 unique CDR3
13 unique J



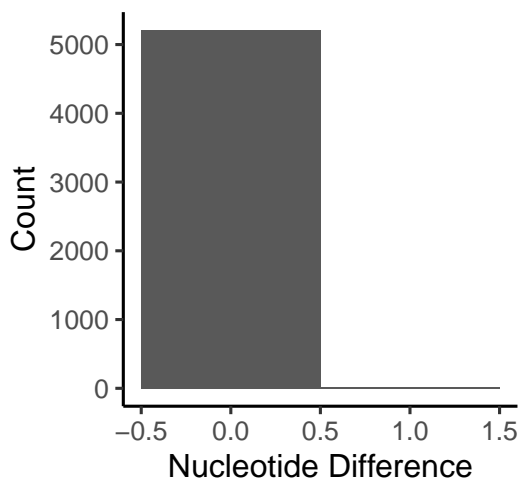
TRBV6-56*ap01

5884 sequences assigned
5825 (99%) exact matches, in which:
5711 unique CDR3
13 unique J



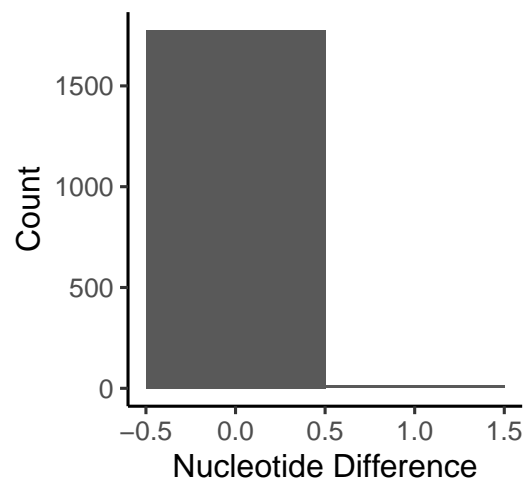
TRBV7-2*ap01

5231 sequences assigned
5211 (99.6%) exact matches, in which:
5172 unique CDR3
13 unique J



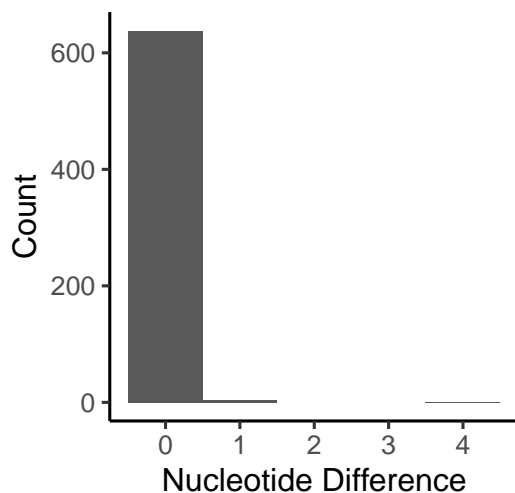
TRBV7-6*ap01

1791 sequences assigned
1777 (99.2%) exact matches, in which:
1758 unique CDR3
13 unique J



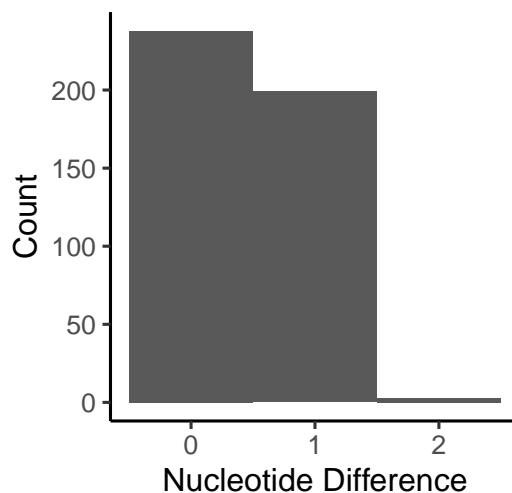
TRBV7-7*ap01_C315T

643 sequences assigned
638 (99.2%) exact matches, in which:
633 unique CDR3
13 unique J



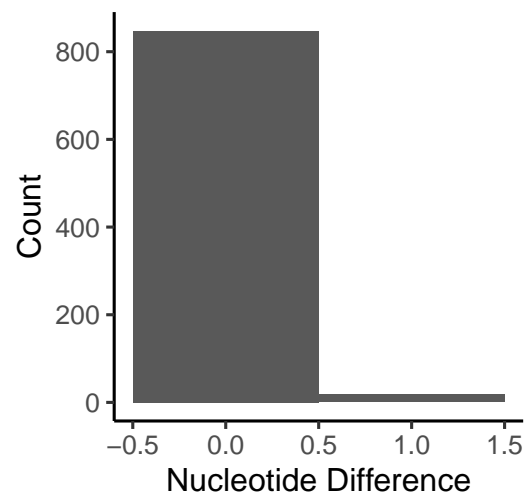
TRBV7-8*ap03

440 sequences assigned
238 (54.1%) exact matches, in which:
235 unique CDR3
13 unique J



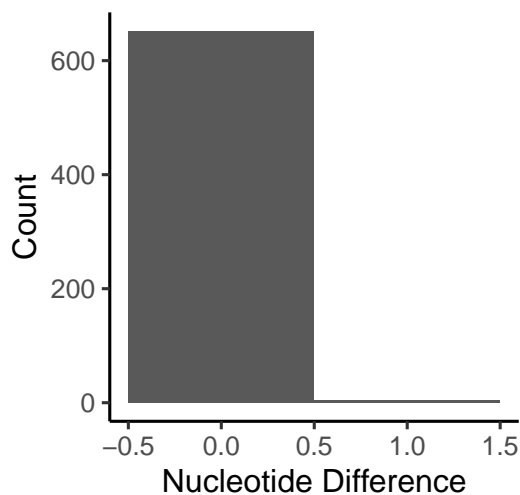
TRBV29-1*ap02

866 sequences assigned
848 (97.9%) exact matches, in which:
839 unique CDR3
13 unique J



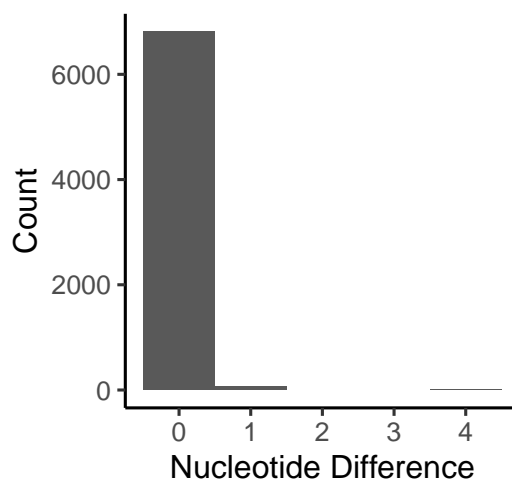
TRBV7-8*ap01

656 sequences assigned
652 (99.4%) exact matches, in which:
649 unique CDR3
13 unique J



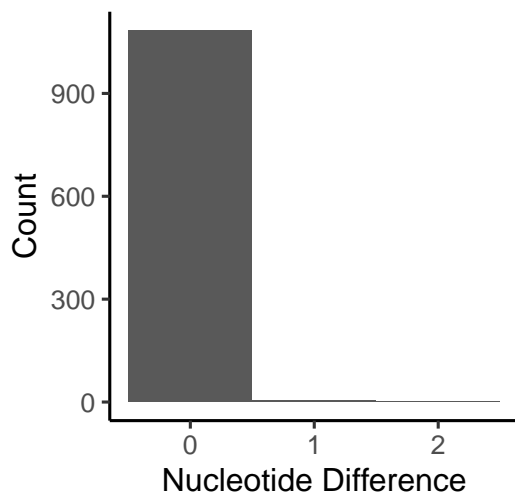
TRBV7-9*ap01

6870 sequences assigned
6810 (99.1%) exact matches, in which:
6742 unique CDR3
13 unique J



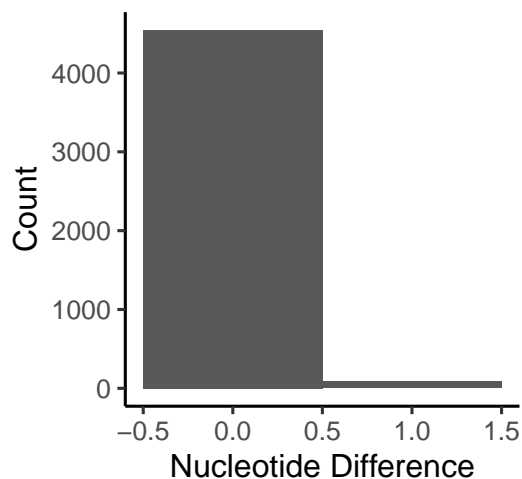
TRBV7-8*ap02

1090 sequences assigned
1084 (99.4%) exact matches, in which:
1065 unique CDR3
13 unique J

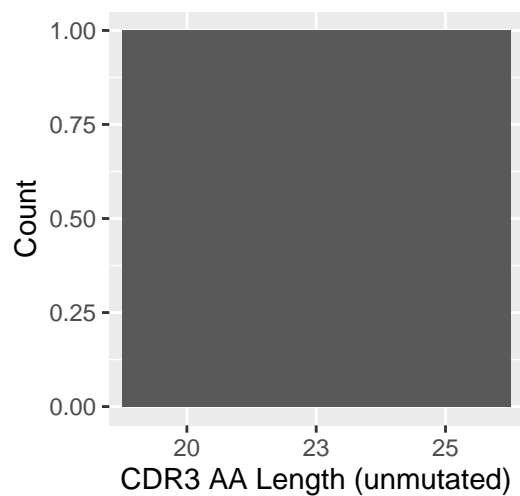


TRBV29-1*ap01

4632 sequences assigned
4545 (98.1%) exact matches, in which:
4443 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

