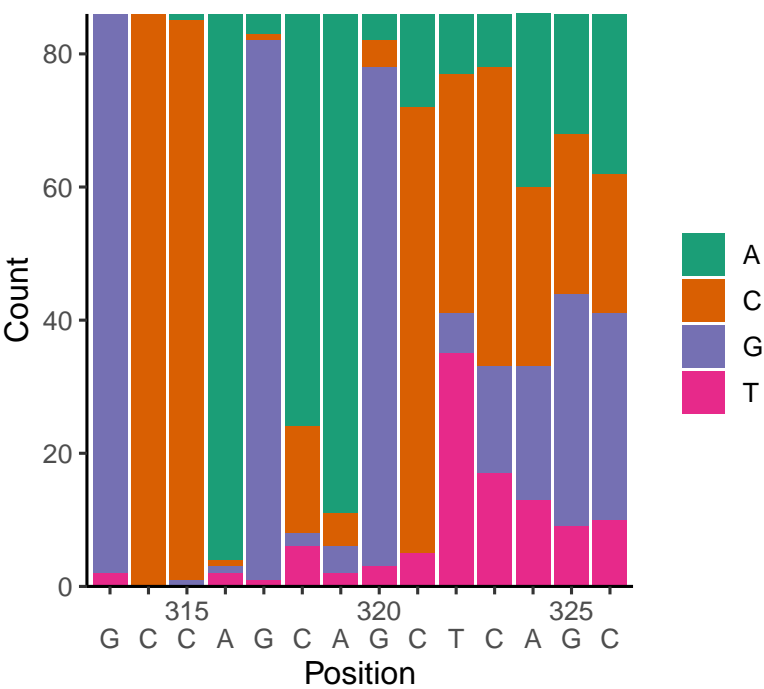
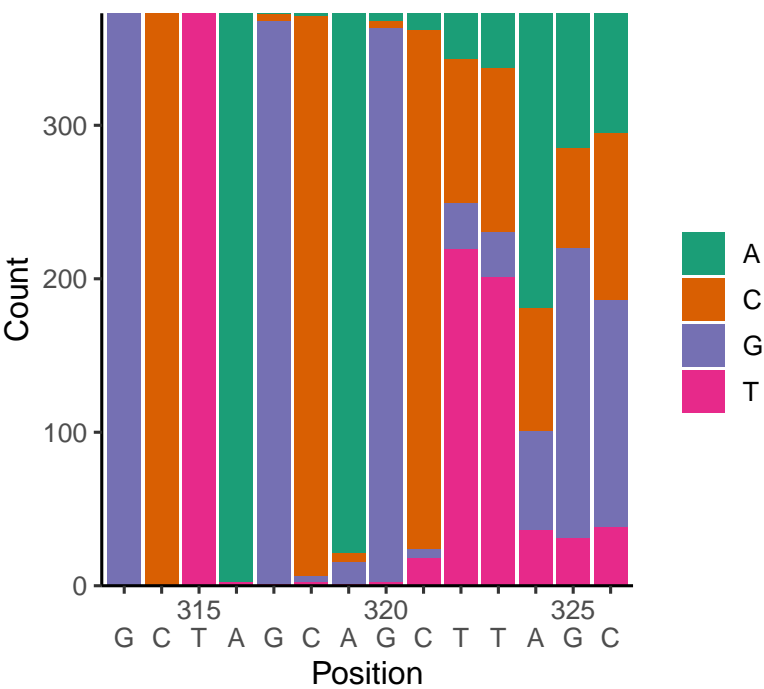


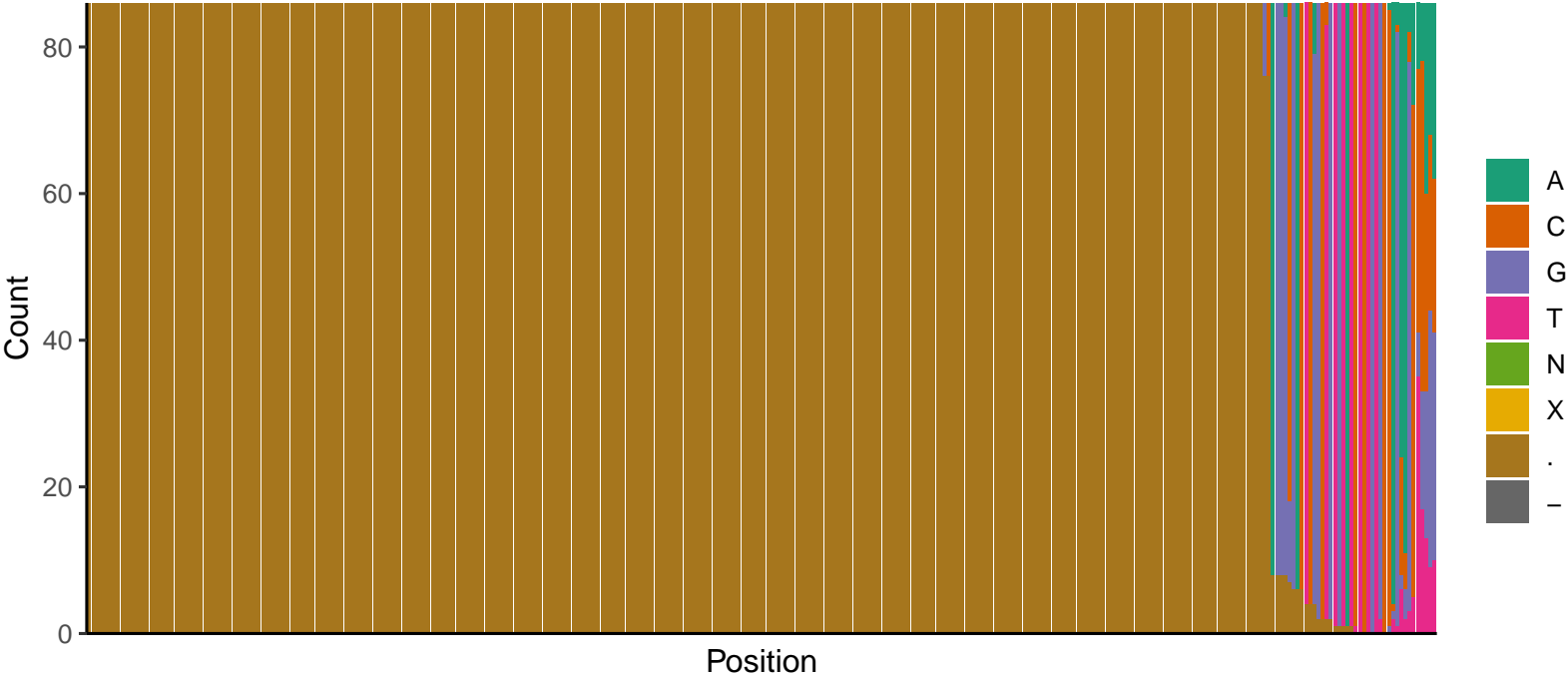
Gene TRBV7-1*ap01_T296C



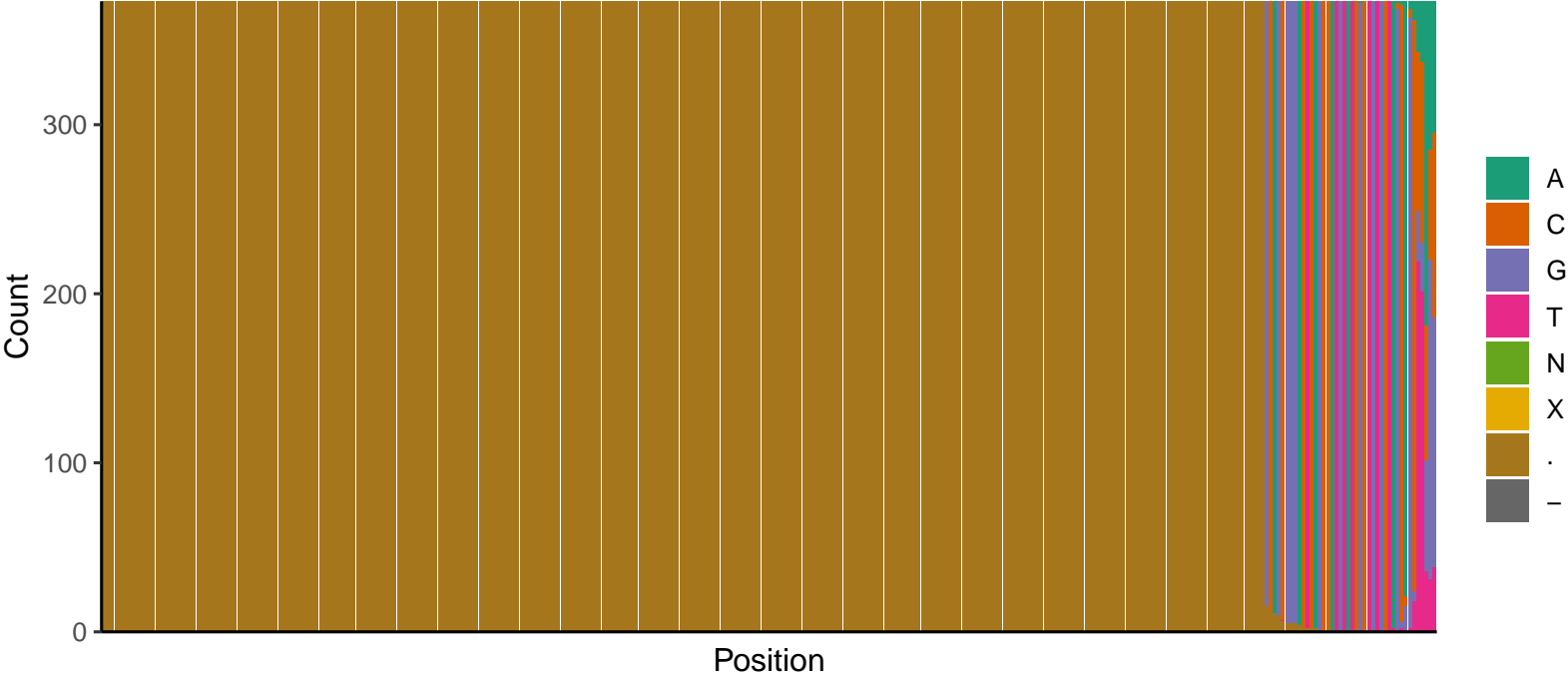
Gene TRBV7-7*ap01_C315T



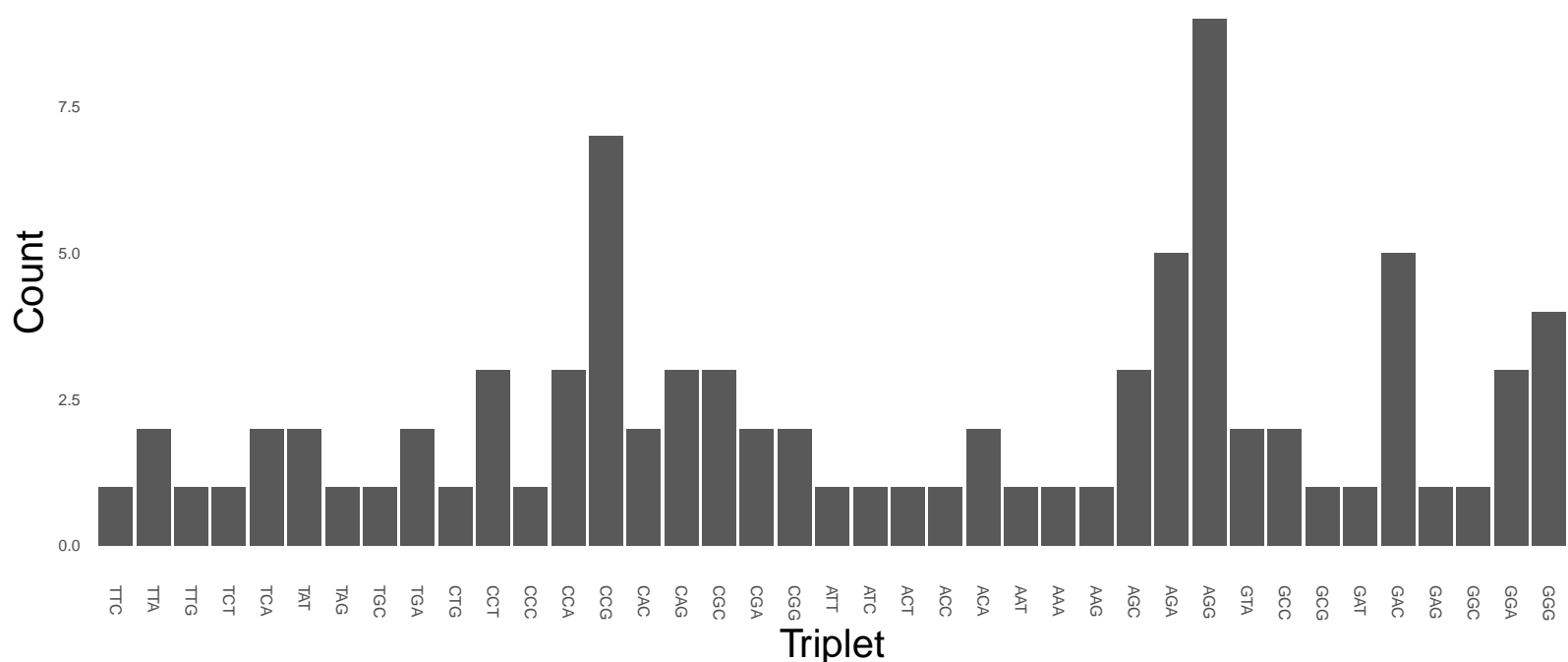
Gene TRBV7-1*ap01_T296C



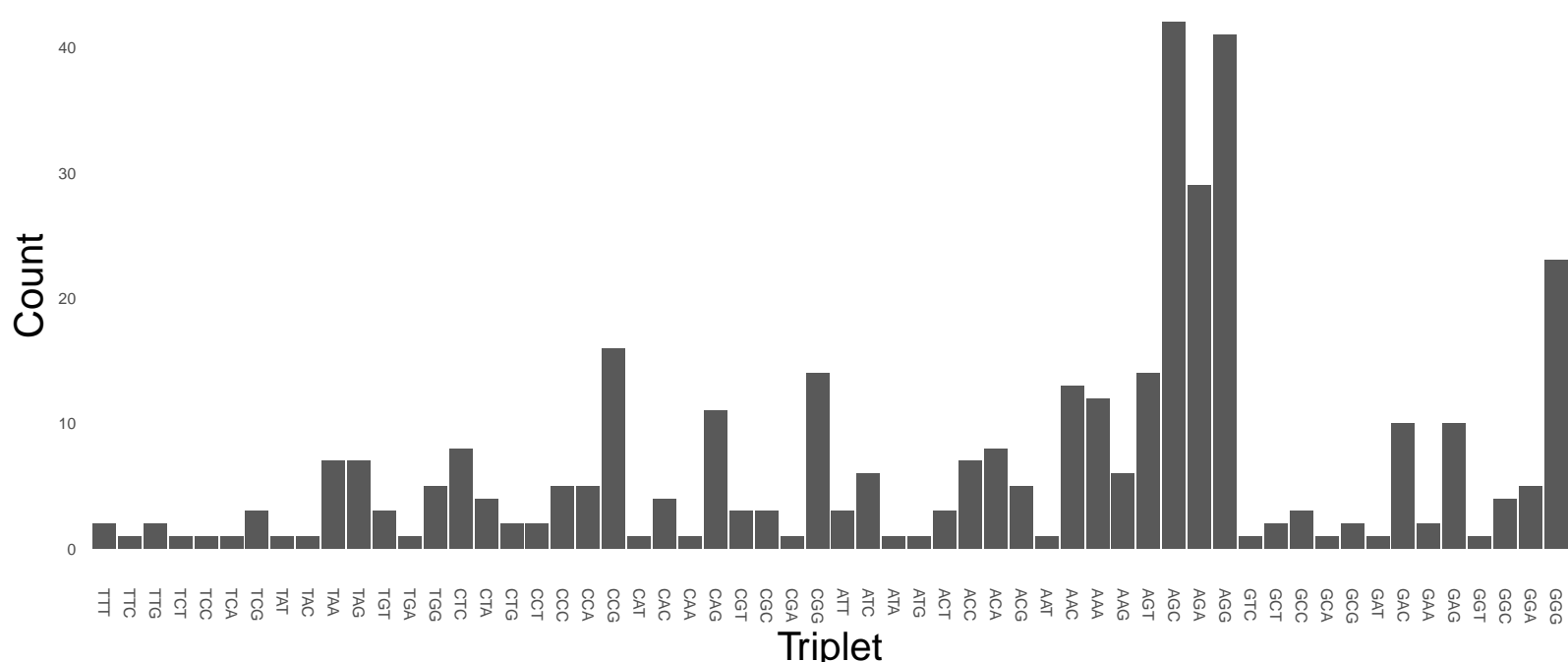
Gene TRBV7-7*ap01_C315T



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

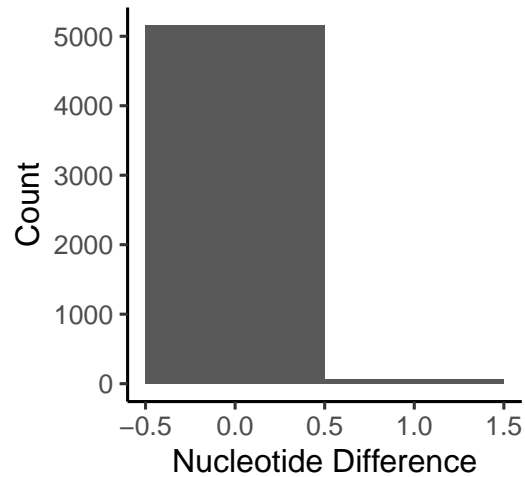


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



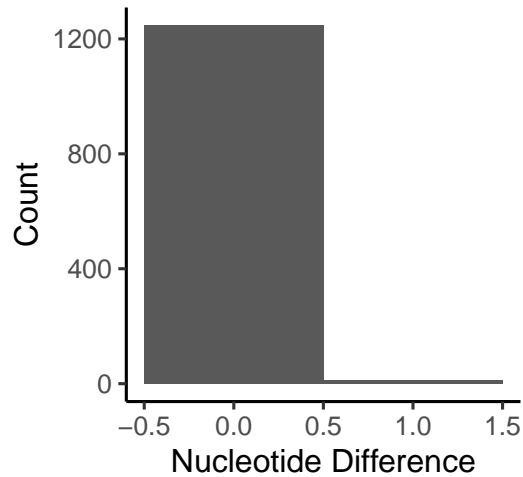
TRBV20-1*ap01

5227 sequences assigned
5156 (98.6%) exact matches, in which:
5059 unique CDR3
13 unique J



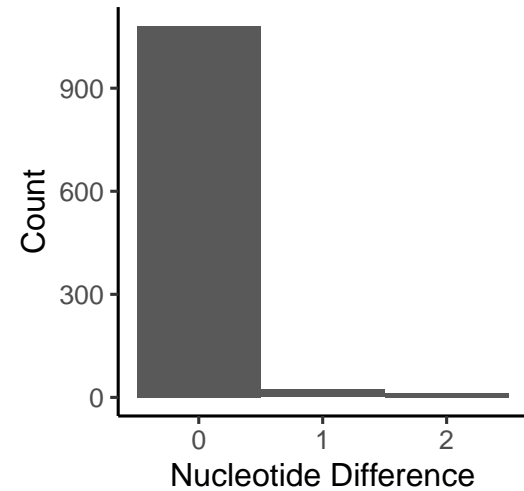
TRBV10-2*ap01

1260 sequences assigned
1247 (99%) exact matches, in which:
1212 unique CDR3
13 unique J



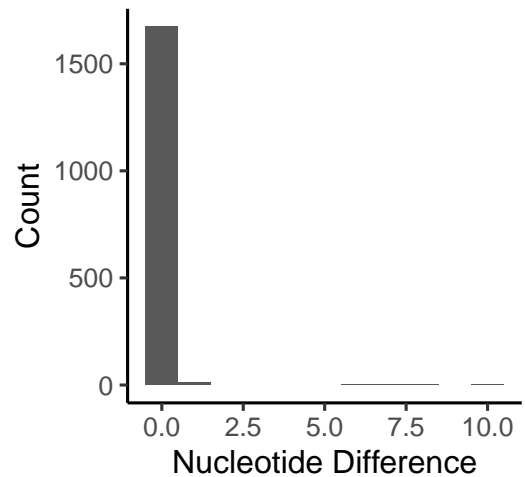
TRBV13*ap01

1118 sequences assigned
1082 (96.8%) exact matches, in which:
1044 unique CDR3
13 unique J



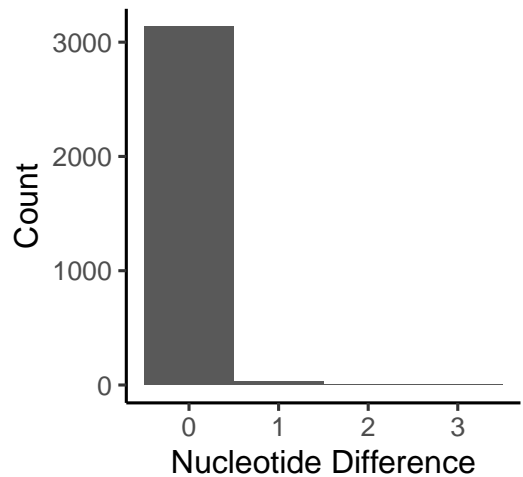
TRBV10-1*ap01

1691 sequences assigned
1673 (98.9%) exact matches, in which:
1644 unique CDR3
13 unique J



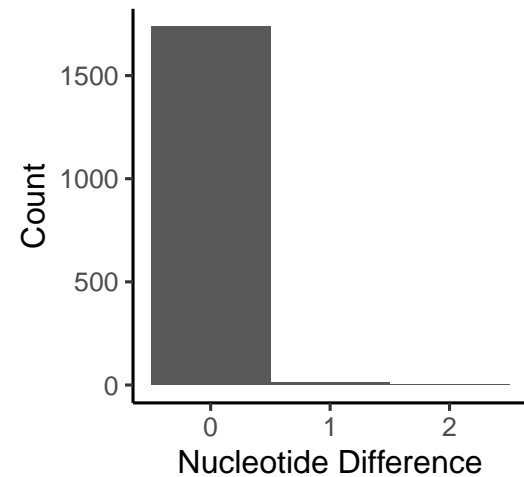
TRBV10-3*ap01

3172 sequences assigned
3135 (98.8%) exact matches, in which:
3067 unique CDR3
13 unique J



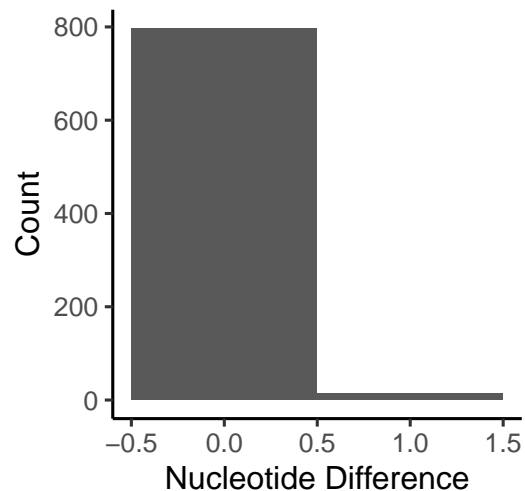
TRBV14*ap01

1751 sequences assigned
1737 (99.2%) exact matches, in which:
1701 unique CDR3
13 unique J



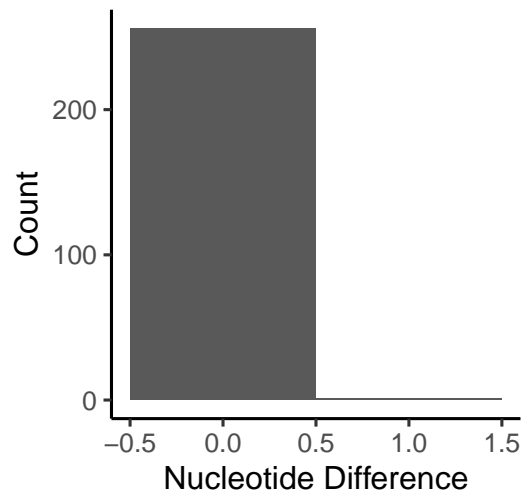
TRBV20-1*ap02

812 sequences assigned
797 (98.2%) exact matches, in which:
785 unique CDR3
13 unique J



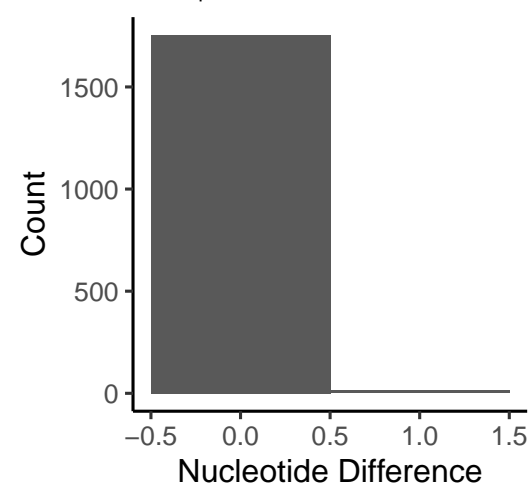
TRBV1*ap01

257 sequences assigned
256 (99.6%) exact matches, in which:
250 unique CDR3
13 unique J



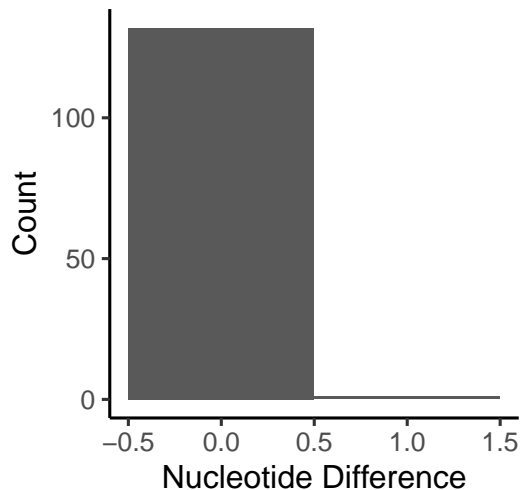
TRBV15*ap02

1767 sequences assigned
1754 (99.3%) exact matches, in which:
1726 unique CDR3
13 unique J



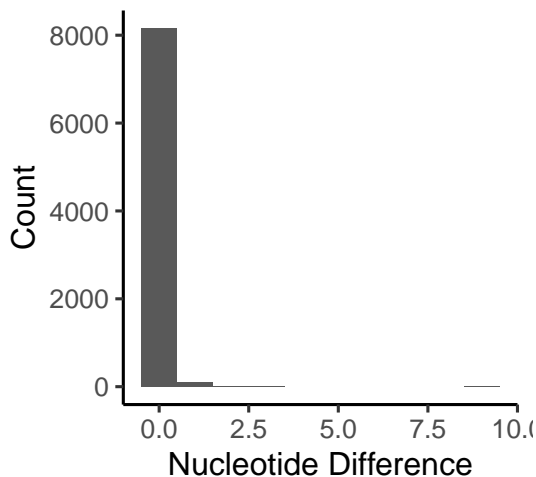
TRBV16*ap01

133 sequences assigned
132 (99.2%) exact matches, in which:
130 unique CDR3
13 unique J



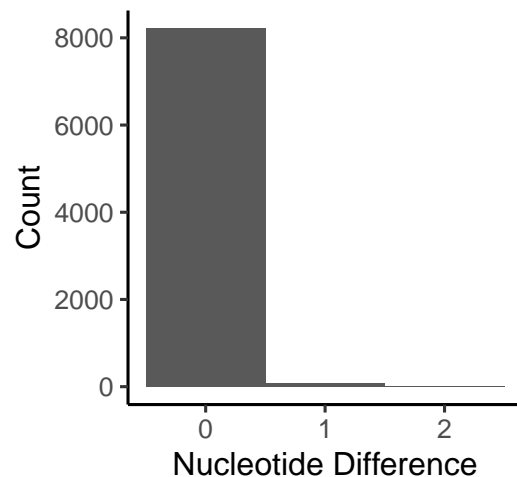
TRBV19*ap01

8267 sequences assigned
8155 (98.6%) exact matches, in which:
8047 unique CDR3
13 unique J



TRBV28*ap01

8309 sequences assigned
8216 (98.9%) exact matches, in which:
8041 unique CDR3
13 unique J



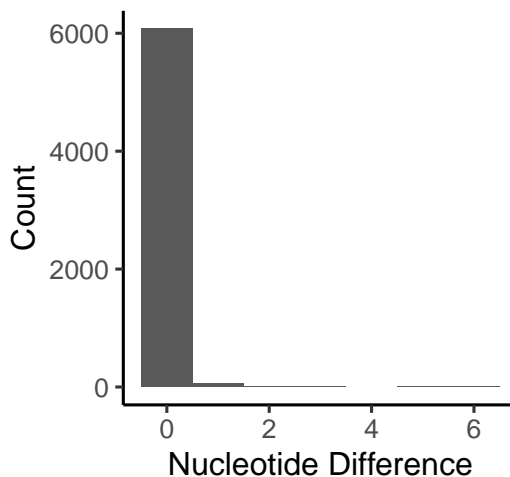
TRBV17*ap01

1 sequences assigned
No exact matches.



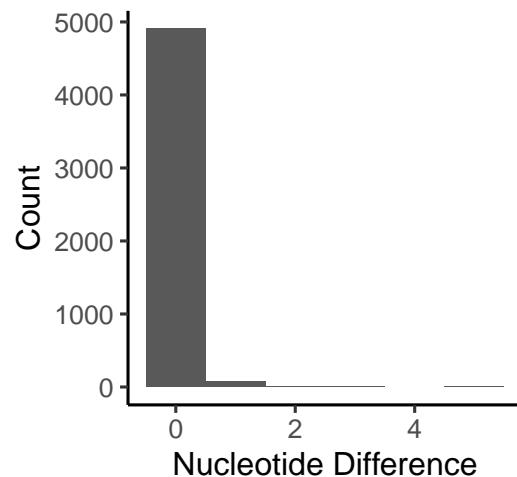
TRBV2*ap01

6135 sequences assigned
6077 (99.1%) exact matches, in which:
5977 unique CDR3
13 unique J



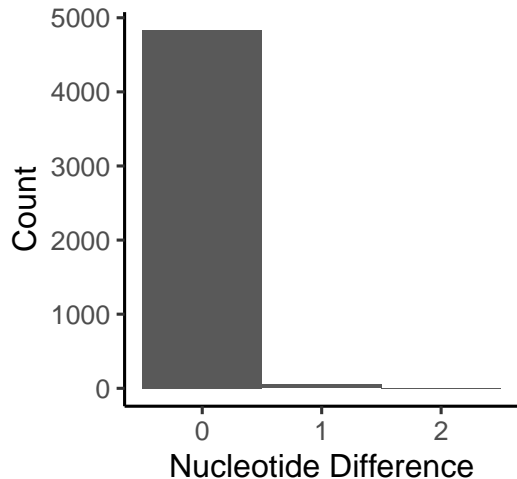
TRBV30*ap01

4981 sequences assigned
4907 (98.5%) exact matches, in which:
4851 unique CDR3
13 unique J



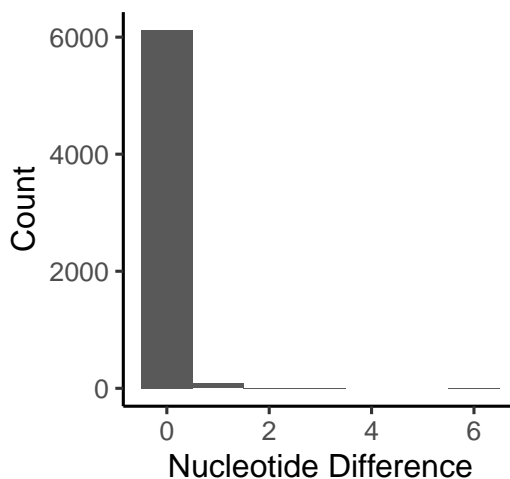
TRBV18*ap01

4885 sequences assigned
4834 (99%) exact matches, in which:
4777 unique CDR3
13 unique J



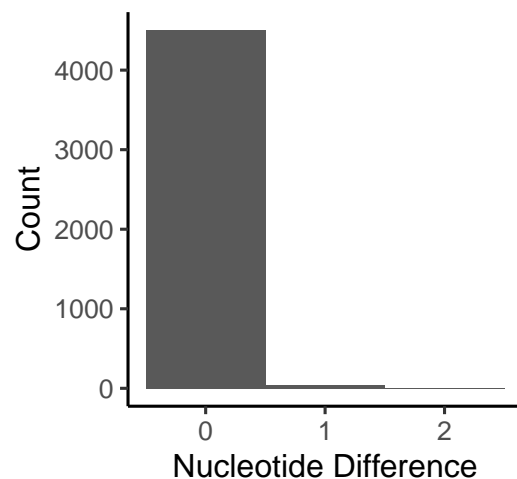
TRBV27*ap01

6210 sequences assigned
6121 (98.6%) exact matches, in which:
5977 unique CDR3
13 unique J



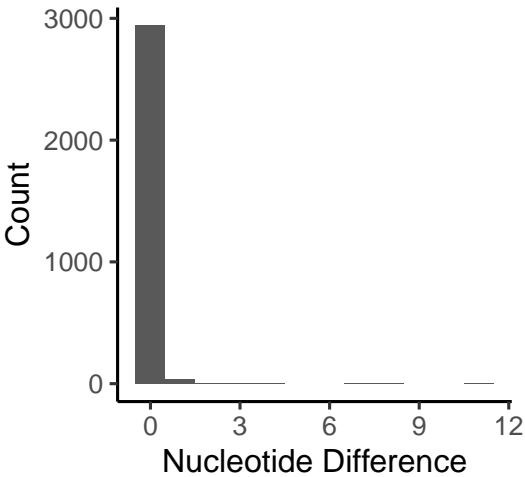
TRBV9*ap01

4551 sequences assigned
4504 (99%) exact matches, in which:
4406 unique CDR3
13 unique J



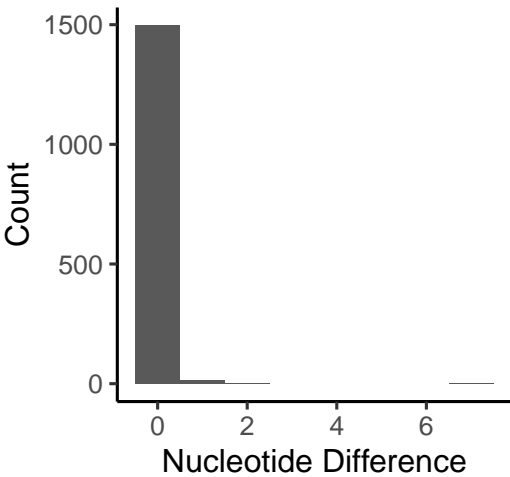
TRBV21-1*ap01

2989 sequences assigned
2942 (98.4%) exact matches, in which:
2907 unique CDR3
13 unique J



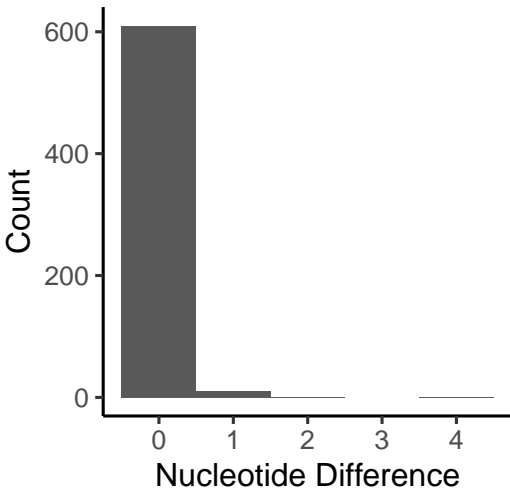
TRBV11-3*ap01

1514 sequences assigned
1497 (98.9%) exact matches, in which:
1472 unique CDR3
13 unique J



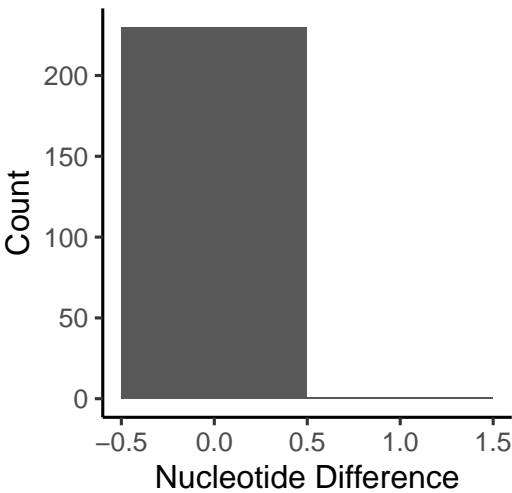
TRBV12-5*ap01

622 sequences assigned
610 (98.1%) exact matches, in which:
599 unique CDR3
13 unique J



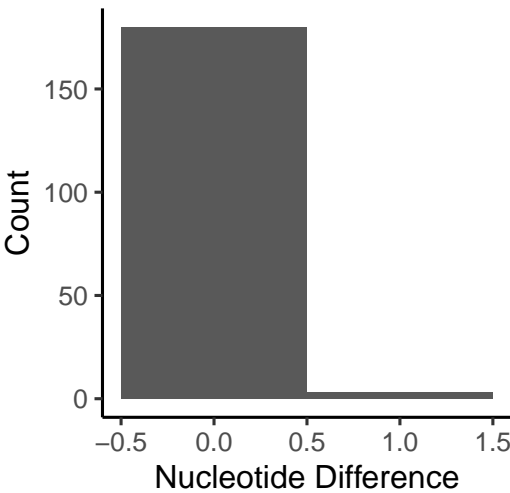
TRBV11-1*ap01

231 sequences assigned
230 (99.6%) exact matches, in which:
226 unique CDR3
13 unique J



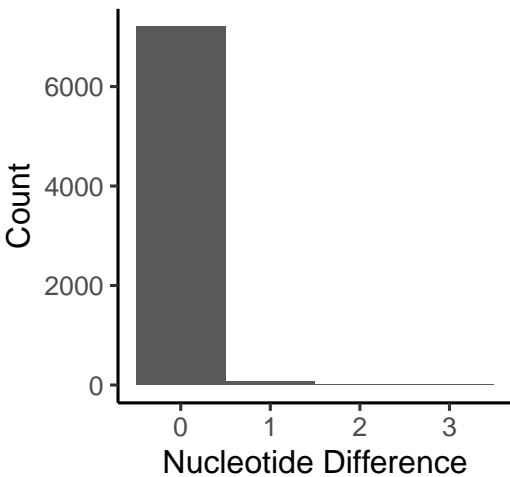
TRBV12-1*ap01

183 sequences assigned
180 (98.4%) exact matches, in which:
177 unique CDR3
13 unique J



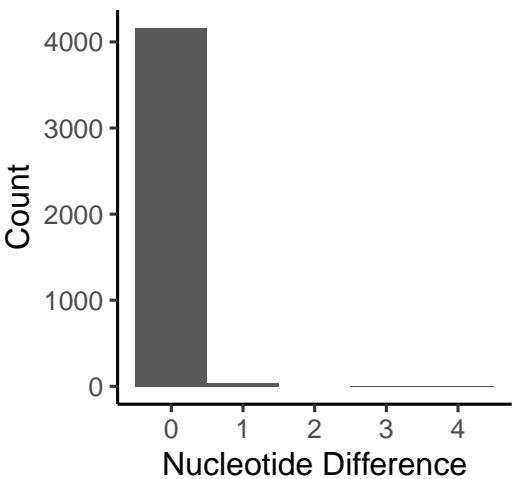
TRBV12-34*ap01

7280 sequences assigned
7203 (98.9%) exact matches, in which:
7081 unique CDR3
13 unique J



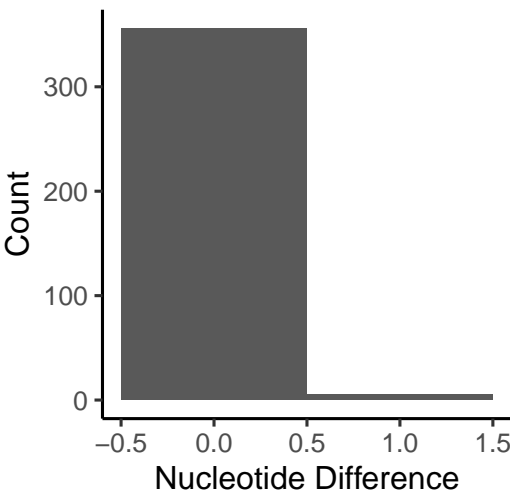
TRBV11-2*ap01

4205 sequences assigned
4161 (99%) exact matches, in which:
4070 unique CDR3
13 unique J



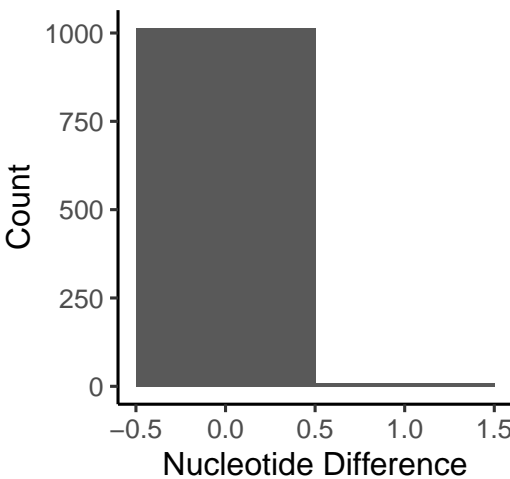
TRBV12-2*ap01

361 sequences assigned
356 (98.6%) exact matches, in which:
344 unique CDR3
13 unique J



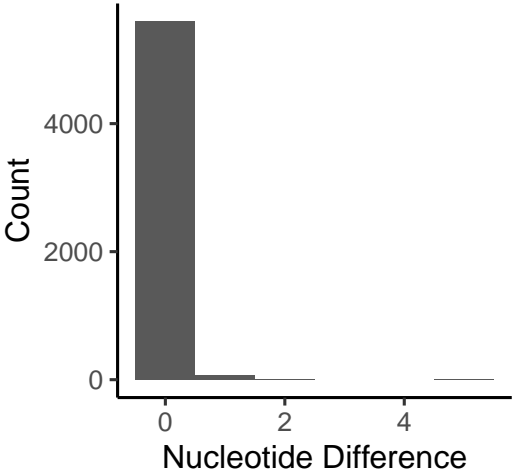
TRBV23-1*ap01

1023 sequences assigned
1014 (99.1%) exact matches, in which:
989 unique CDR3
13 unique J



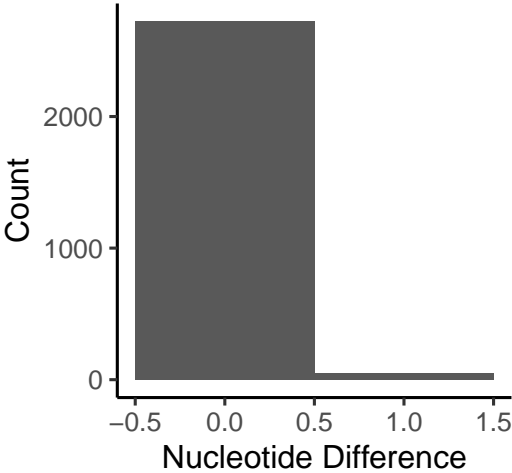
TRBV3-12*ap01

5669 sequences assigned
5597 (98.7%) exact matches, in which:
5478 unique CDR3
13 unique J



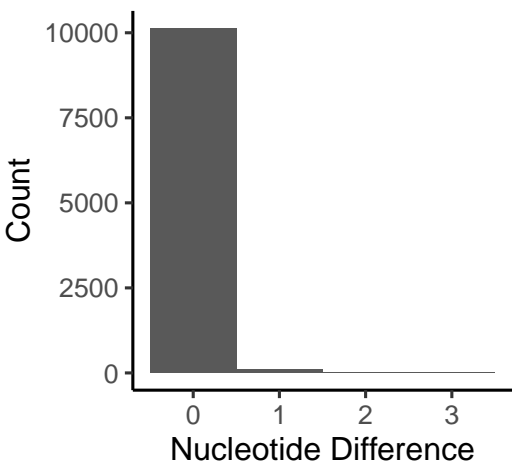
TRBV4-2*ap01

2773 sequences assigned
2723 (98.2%) exact matches, in which:
2677 unique CDR3
13 unique J



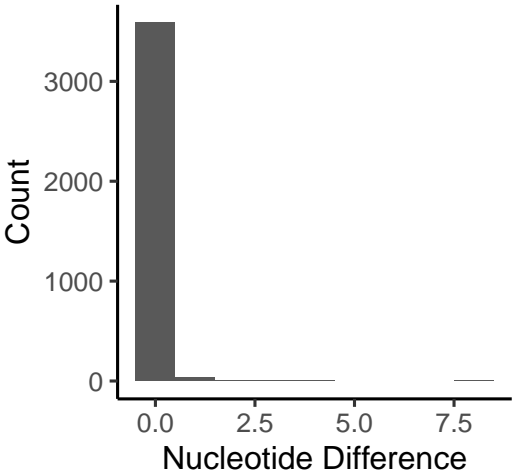
TRBV5-1*ap01

10259 sequences assigned
10136 (98.8%) exact matches, in which:
9858 unique CDR3
13 unique J



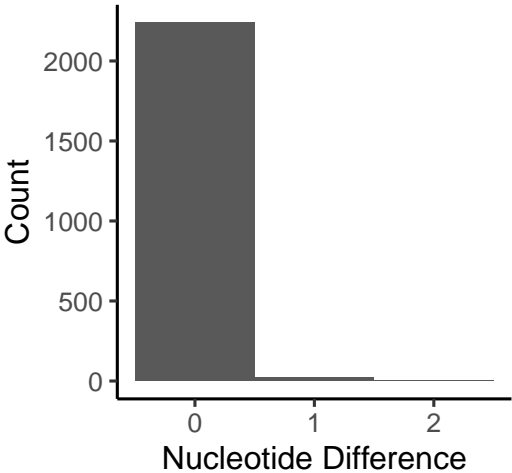
TRBV24-1*ap01

3634 sequences assigned
3587 (98.7%) exact matches, in which:
3543 unique CDR3
13 unique J



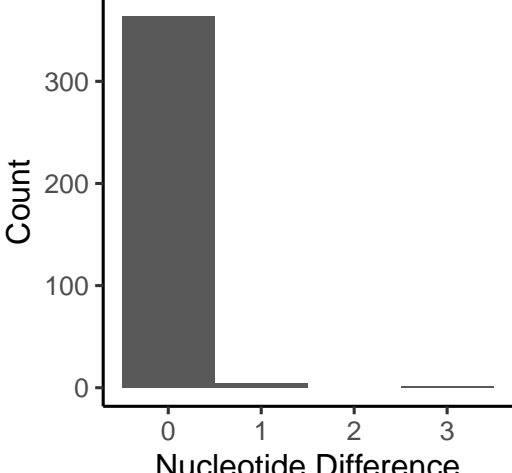
TRBV4-3*ap01

2265 sequences assigned
2239 (98.9%) exact matches, in which:
2207 unique CDR3
13 unique J



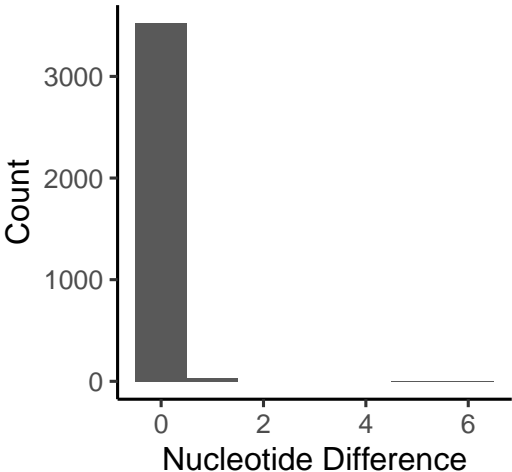
TRBV5-3*ap01

369 sequences assigned
364 (98.6%) exact matches, in which:
357 unique CDR3
13 unique J



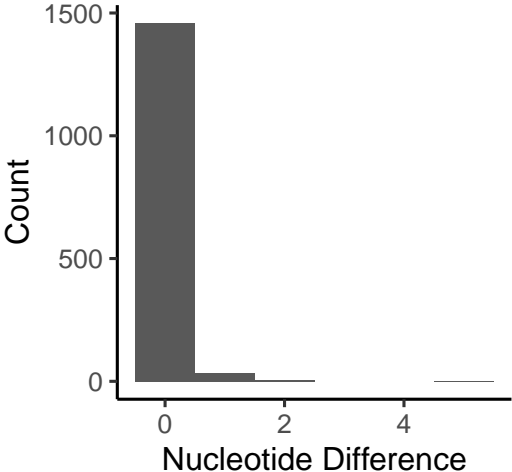
TRBV4-1*ap01

3558 sequences assigned
3525 (99.1%) exact matches, in which:
3465 unique CDR3
13 unique J



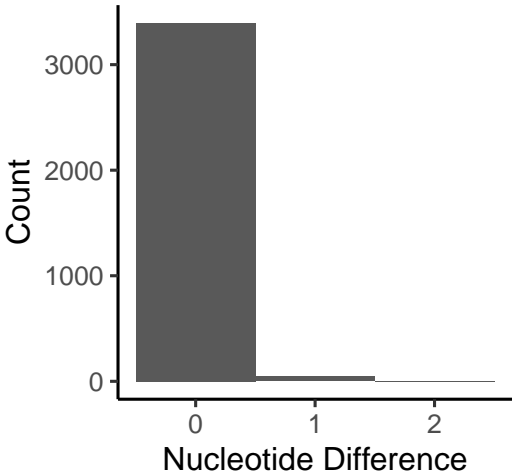
TRBV25-1*ap01

1499 sequences assigned
1459 (97.3%) exact matches, in which:
1428 unique CDR3
13 unique J



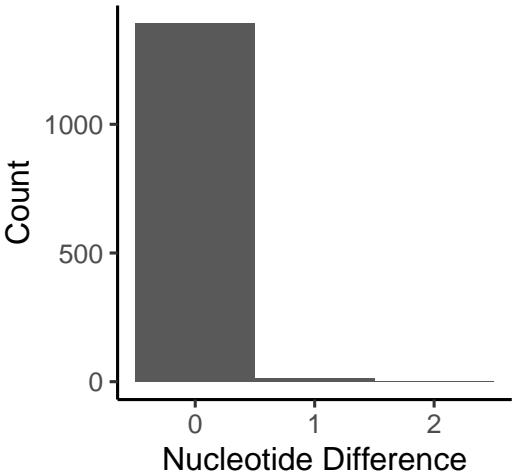
TRBV5-4*ap01

3442 sequences assigned
3394 (98.6%) exact matches, in which:
3331 unique CDR3
13 unique J



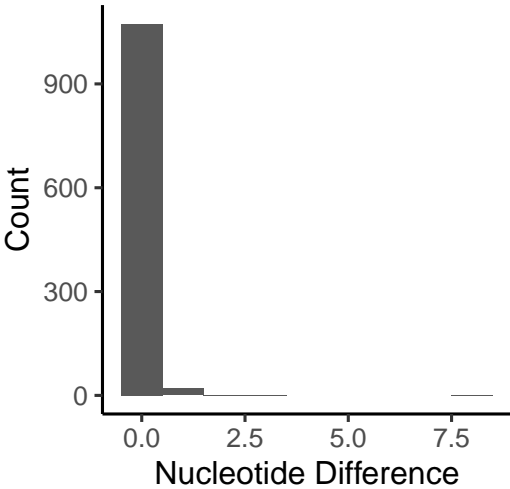
TRBV5-5*ap01

1408 sequences assigned
1392 (98.9%) exact matches, in which:
1365 unique CDR3
13 unique J



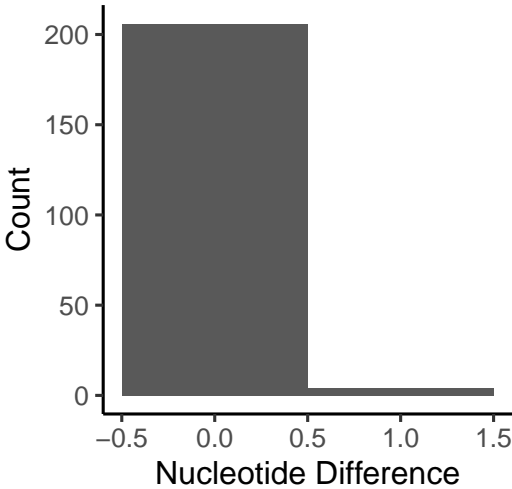
TRBV5-8*ap01

1098 sequences assigned
1074 (97.8%) exact matches, in which:
1051 unique CDR3
13 unique J



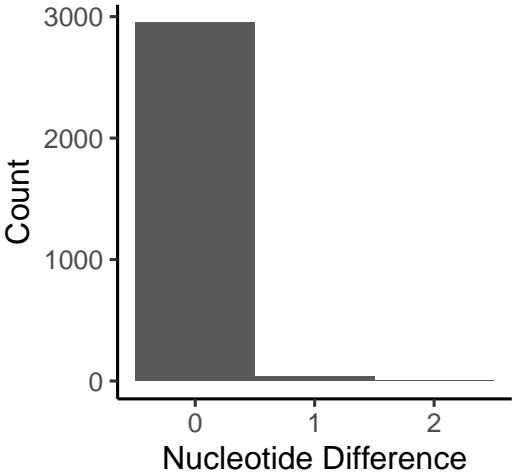
TRBV6-7*ap01

210 sequences assigned
206 (98.1%) exact matches, in which:
202 unique CDR3
12 unique J



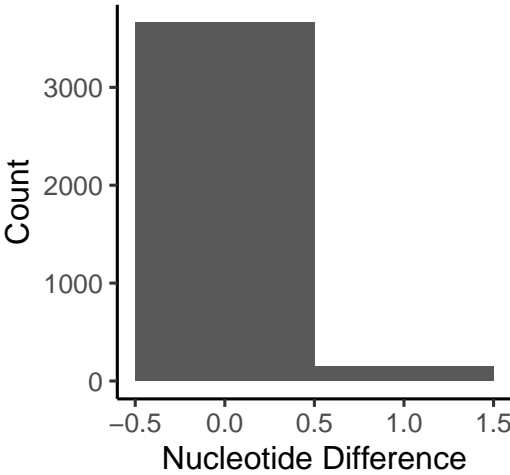
TRBV5-6*ap01

2991 sequences assigned
2950 (98.6%) exact matches, in which:
2878 unique CDR3
13 unique J



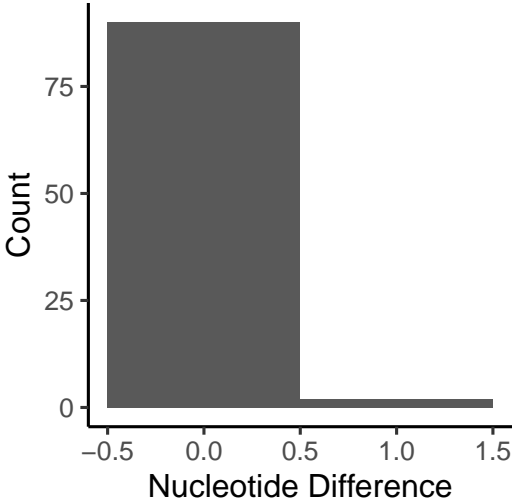
TRBV6-1*ap01

3805 sequences assigned
3660 (96.2%) exact matches, in which:
3579 unique CDR3
13 unique J



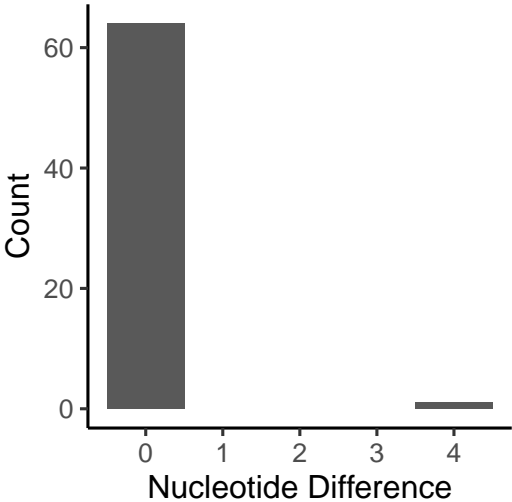
TRBV6-8*ap01

92 sequences assigned
90 (97.8%) exact matches, in which:
89 unique CDR3
12 unique J



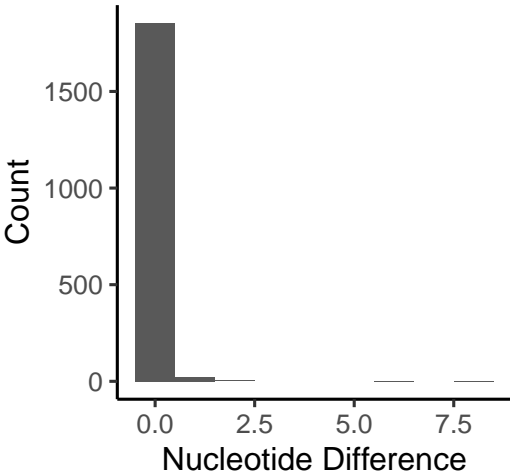
TRBV5-7*ap01

65 sequences assigned
64 (98.5%) exact matches, in which:
63 unique CDR3
12 unique J



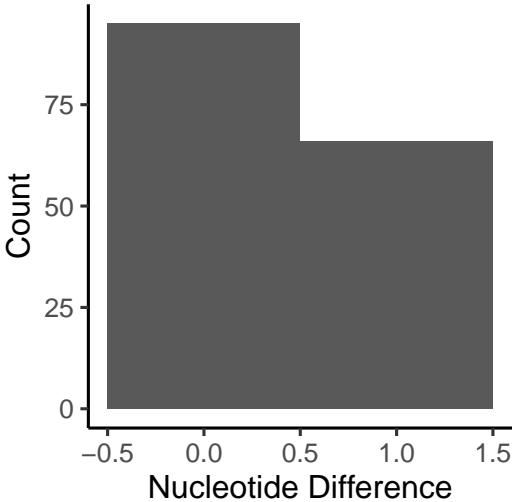
TRBV6-4*ap01

1882 sequences assigned
1854 (98.5%) exact matches, in which:
1812 unique CDR3
13 unique J



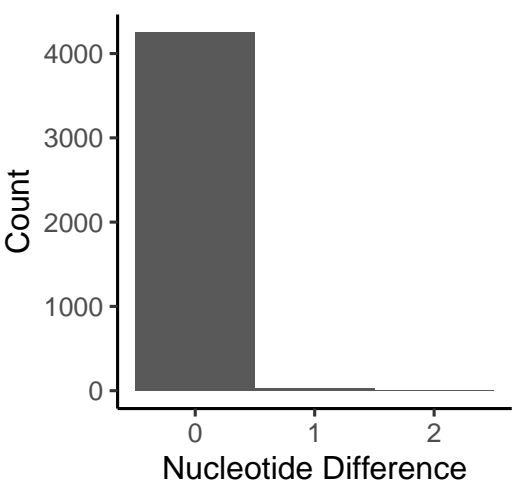
TRBV6-9*ap01

161 sequences assigned
95 (59%) exact matches, in which:
93 unique CDR3
13 unique J



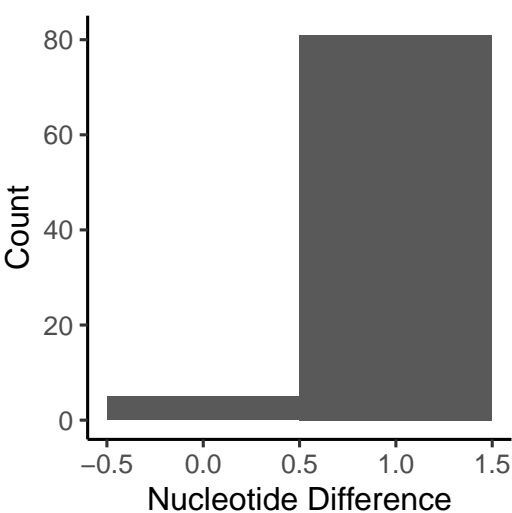
TRBV6-23*ap01

4279 sequences assigned
4251 (99.3%) exact matches, in which:
4182 unique CDR3
13 unique J



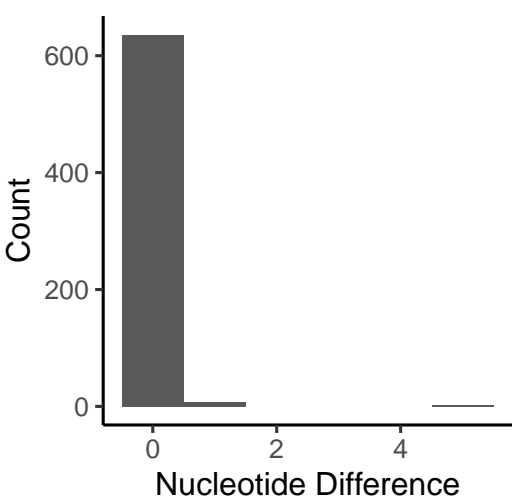
TRBV7-1*ap01_T296C

86 sequences assigned
5 (5.8%) exact matches, in which:
5 unique CDR3
4 unique J



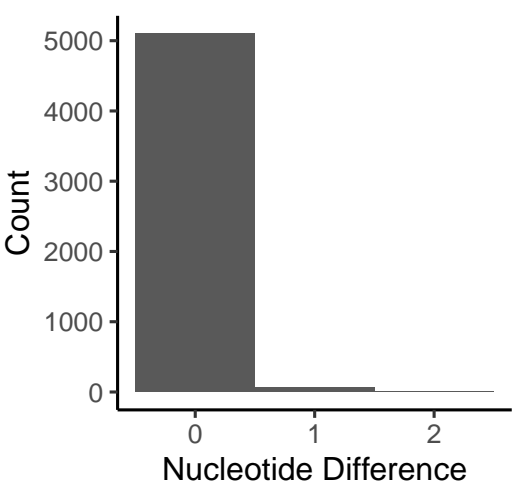
TRBV7-3*ap03

645 sequences assigned
636 (98.6%) exact matches, in which:
624 unique CDR3
13 unique J



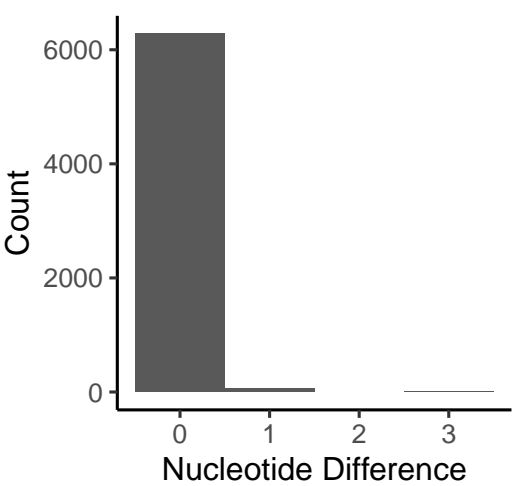
TRBV6-56*ap01

5169 sequences assigned
5099 (98.6%) exact matches, in which:
5002 unique CDR3
13 unique J



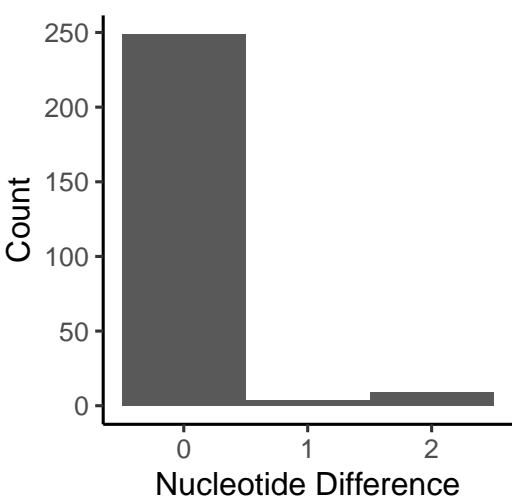
TRBV7-2*ap01

6338 sequences assigned
6281 (99.1%) exact matches, in which:
6143 unique CDR3
13 unique J



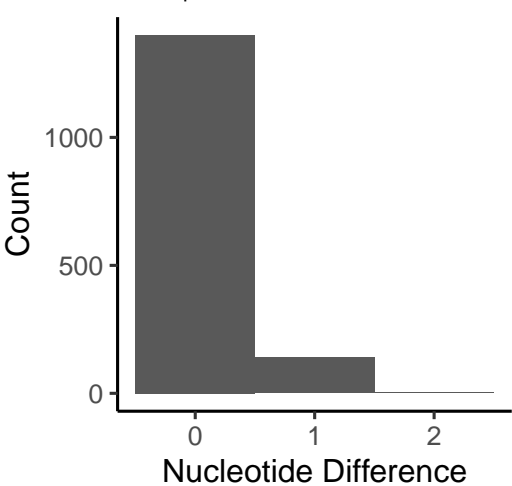
TRBV7-4*ap01

262 sequences assigned
249 (95%) exact matches, in which:
242 unique CDR3
13 unique J



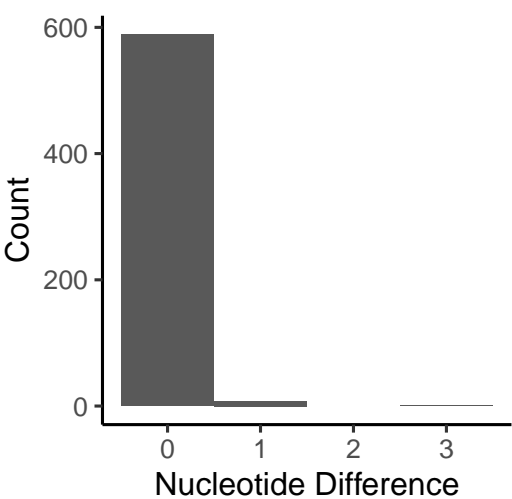
TRBV6-56*ap02

1543 sequences assigned
1400 (90.7%) exact matches, in which:
1377 unique CDR3
13 unique J



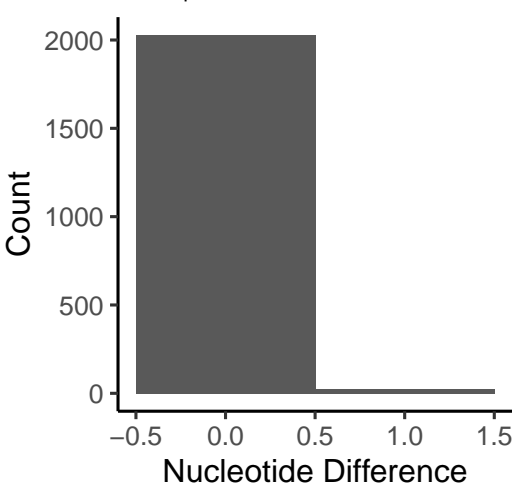
TRBV7-3*ap02

598 sequences assigned
589 (98.5%) exact matches, in which:
582 unique CDR3
13 unique J



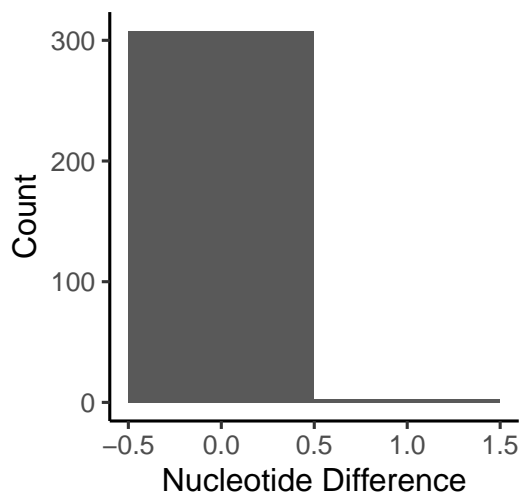
TRBV7-6*ap01

2052 sequences assigned
2028 (98.8%) exact matches, in which:
1986 unique CDR3
13 unique J



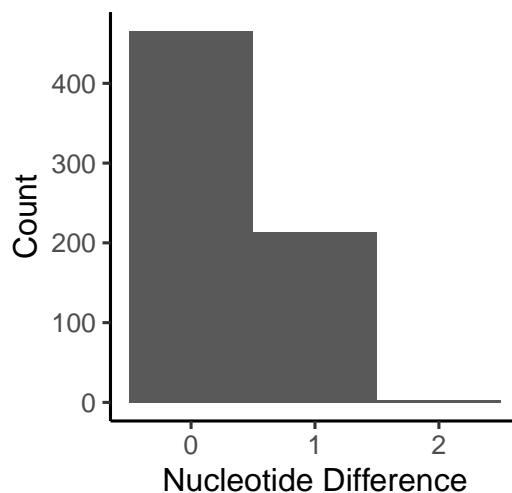
TRBV7-7*ap01

311 sequences assigned
308 (99%) exact matches, in which:
305 unique CDR3
13 unique J



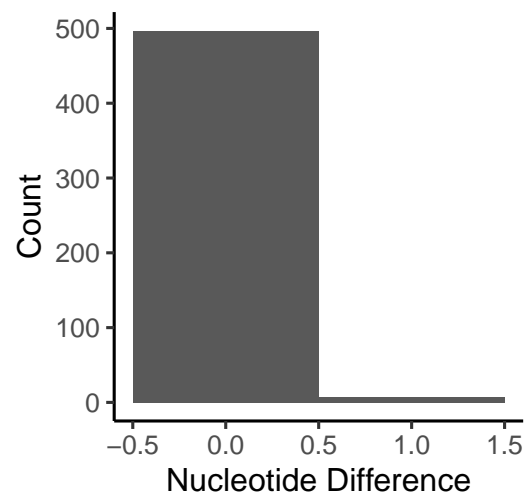
TRBV7-8*ap03

683 sequences assigned
466 (68.2%) exact matches, in which:
457 unique CDR3
13 unique J



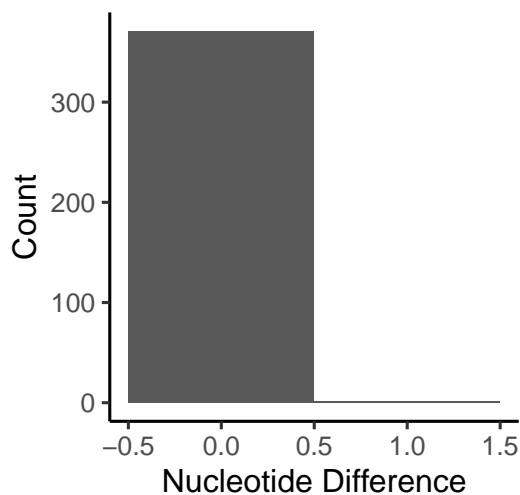
TRBV29-1*ap02

504 sequences assigned
497 (98.6%) exact matches, in which:
492 unique CDR3
13 unique J



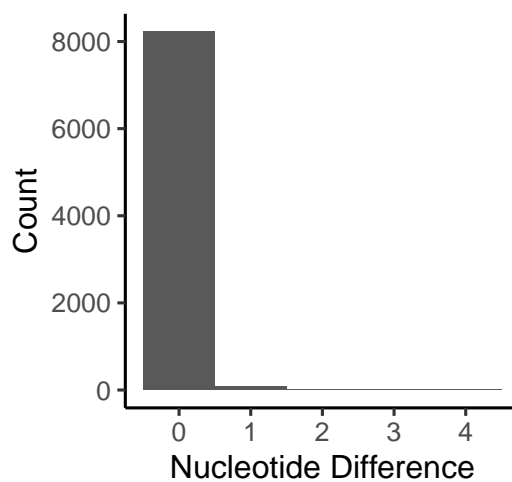
TRBV7-7*ap01_C315T

373 sequences assigned
371 (99.5%) exact matches, in which:
366 unique CDR3
13 unique J



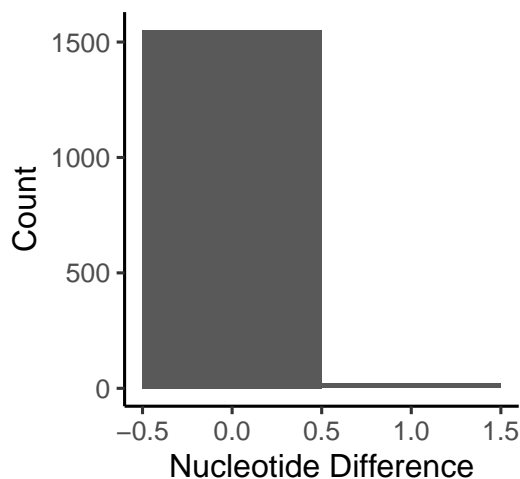
TRBV7-9*ap01

8310 sequences assigned
8225 (99%) exact matches, in which:
8096 unique CDR3
13 unique J



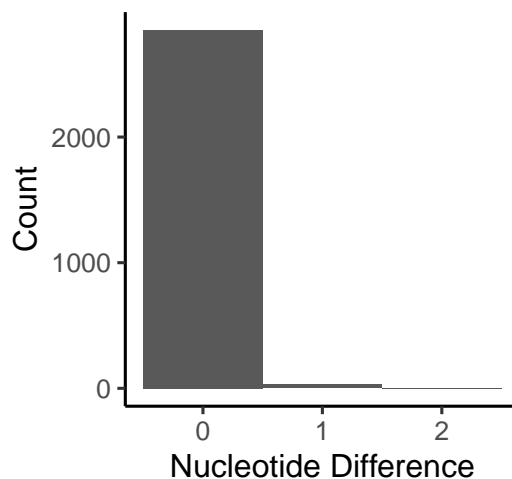
TRBV7-8*ap01

1573 sequences assigned
1552 (98.7%) exact matches, in which:
1511 unique CDR3
13 unique J

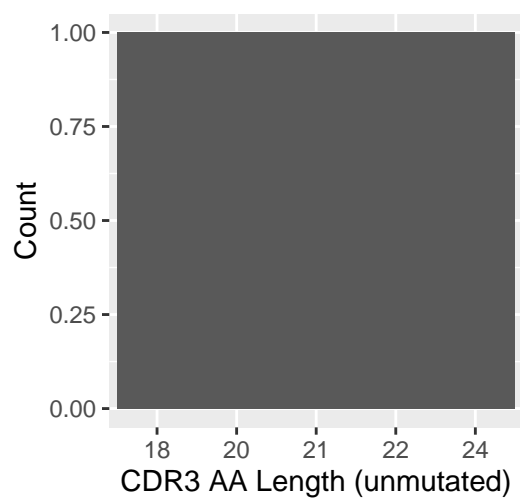


TRBV29-1*ap01

2883 sequences assigned
2852 (98.9%) exact matches, in which:
2808 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

