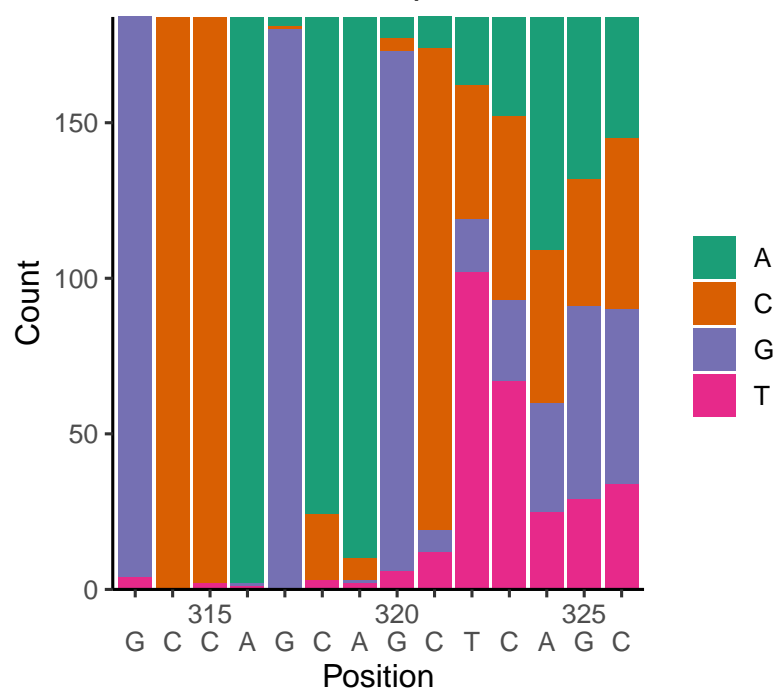
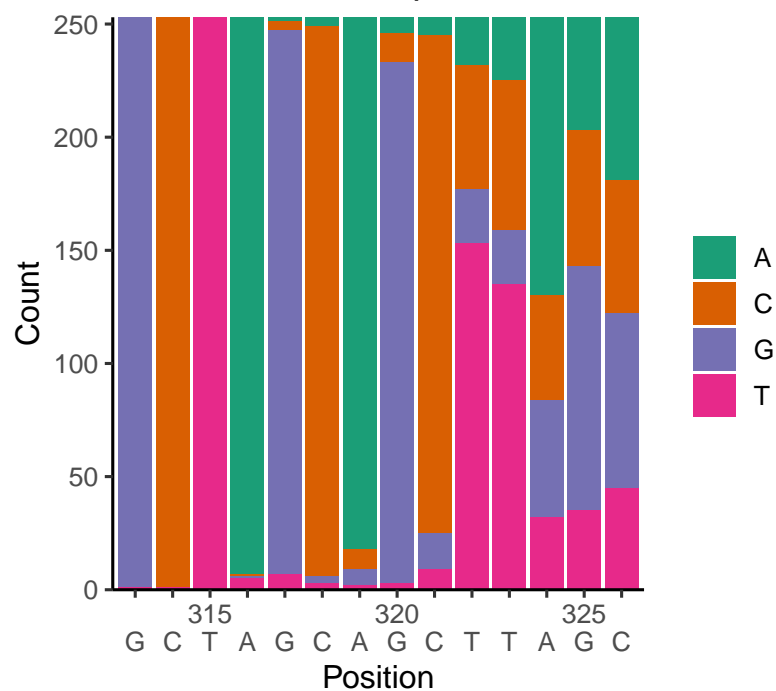


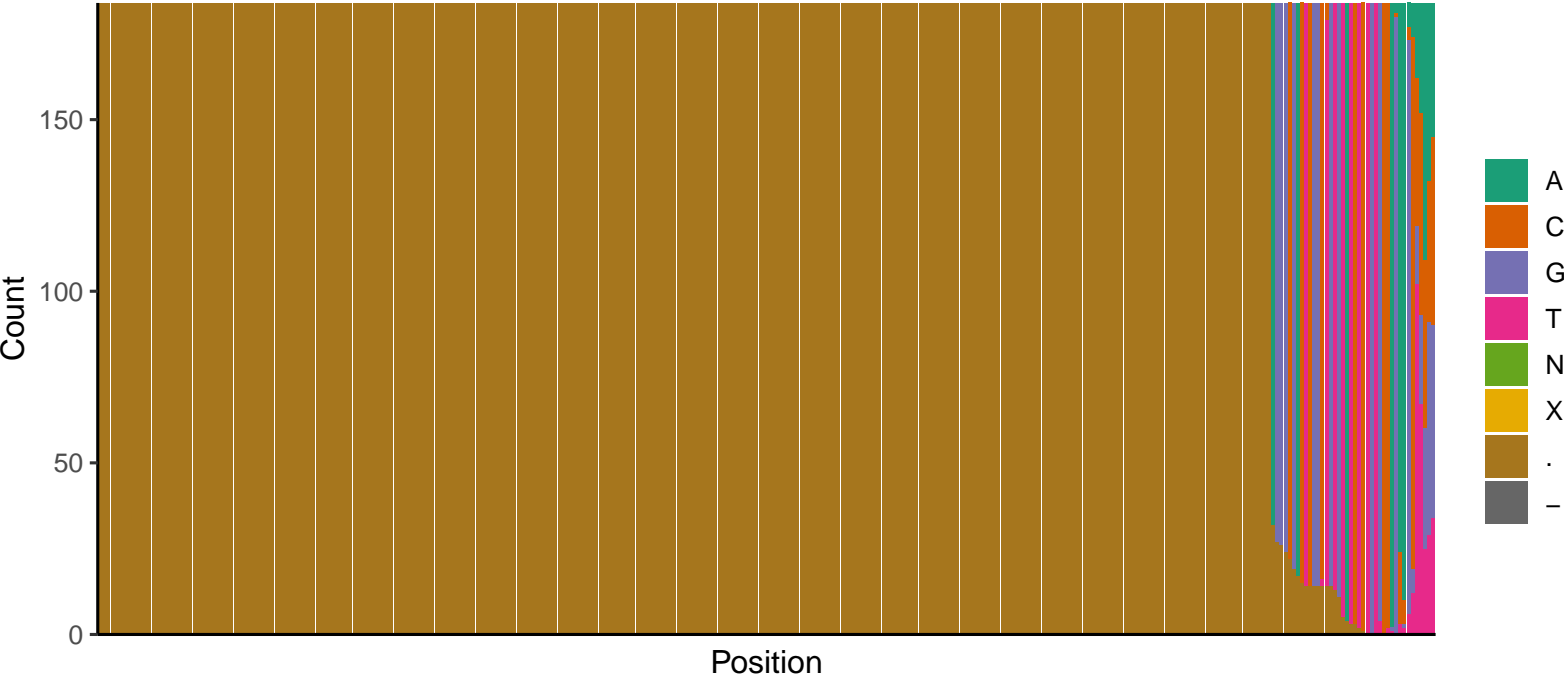
Gene TRBV7-1*ap01_G291C_T296C



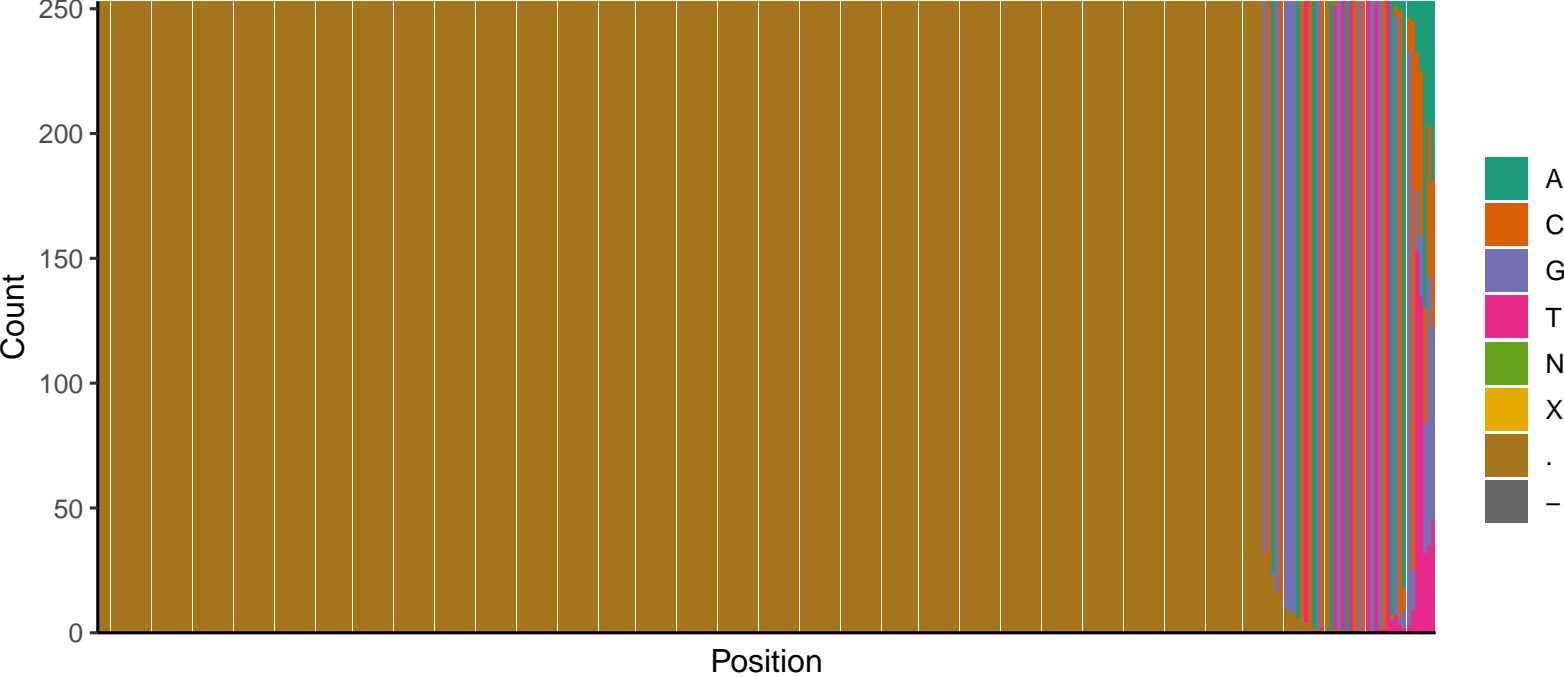
Gene TRBV7-7*ap01_C315T



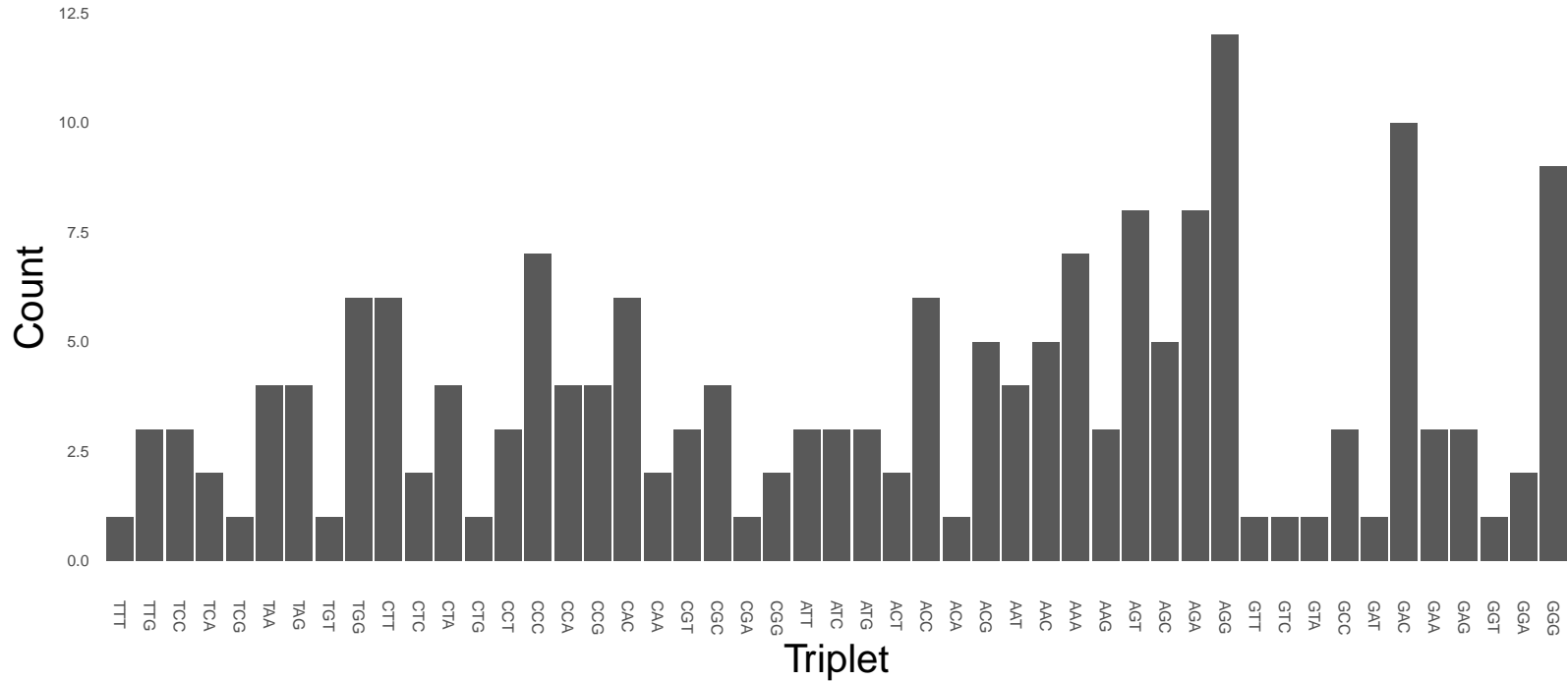
Gene TRBV7-1*ap01_G291C_T296C



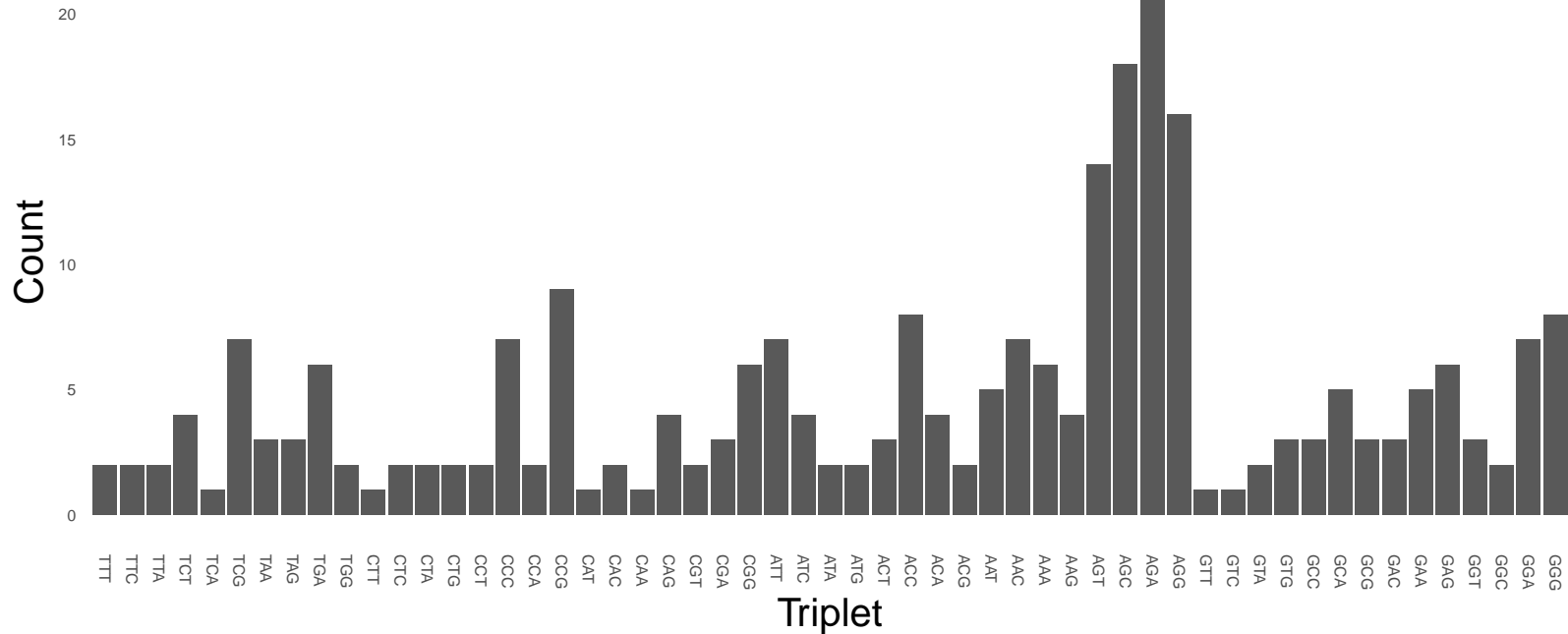
Gene TRBV7-7*ap01_C315T



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

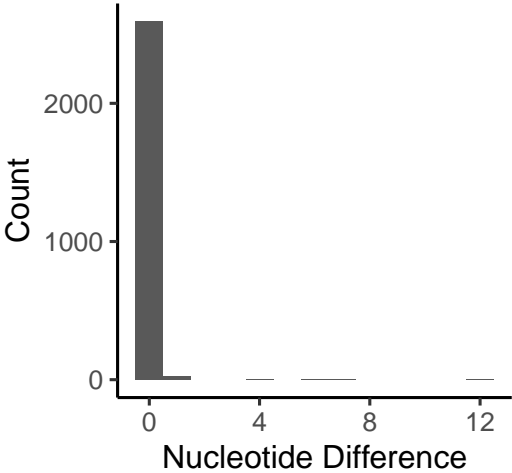


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



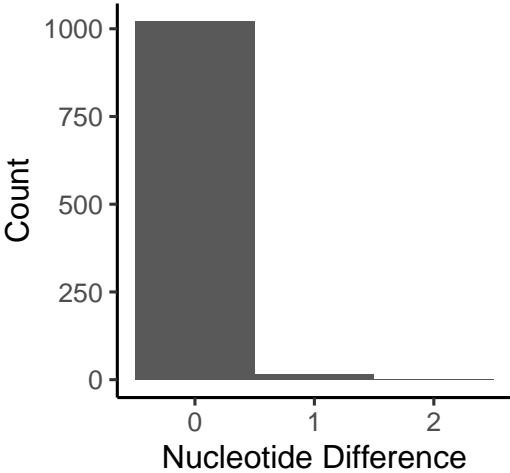
TRBV10-1*ap01

2619 sequences assigned
2593 (99%) exact matches, in which:
2534 unique CDR3
13 unique J



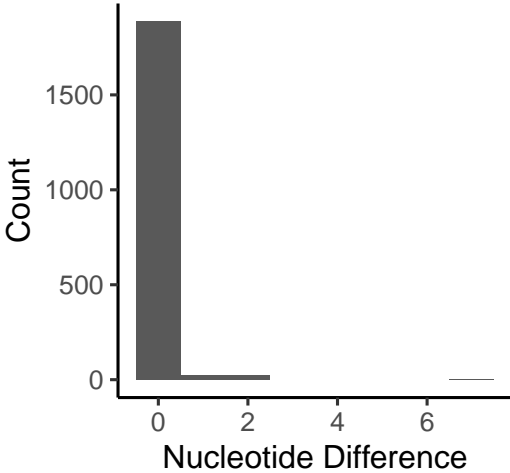
TRBV10-2*ap01

1038 sequences assigned
1021 (98.4%) exact matches, in which:
1000 unique CDR3
13 unique J



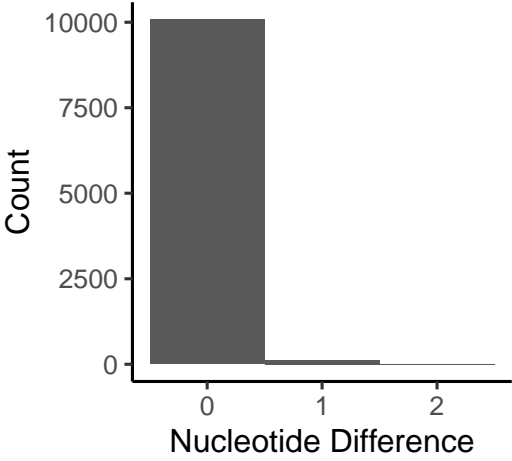
TRBV13*ap01

1933 sequences assigned
1887 (97.6%) exact matches, in which:
1829 unique CDR3
13 unique J



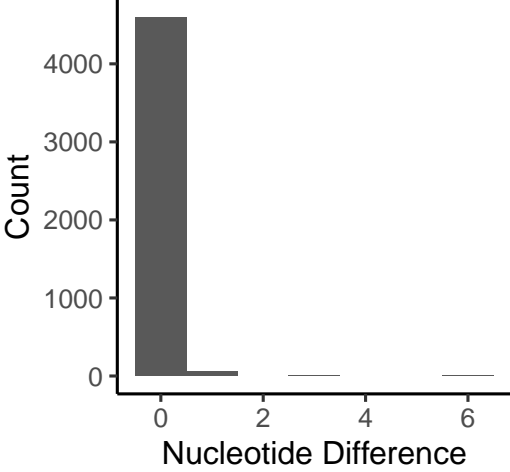
TRBV20-1*ap01

10208 sequences assigned
10081 (98.8%) exact matches, in which:
9859 unique CDR3
13 unique J



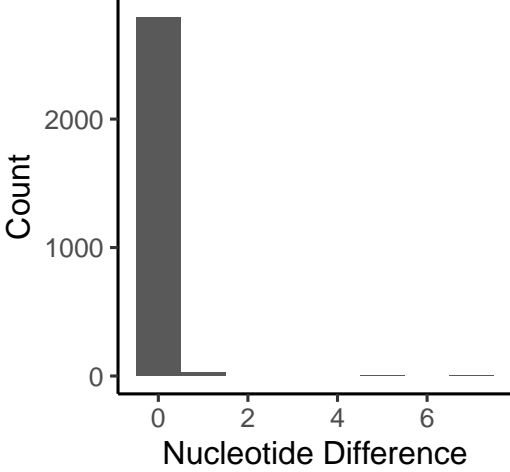
TRBV10-3*ap01

4656 sequences assigned
4591 (98.6%) exact matches, in which:
4479 unique CDR3
13 unique J



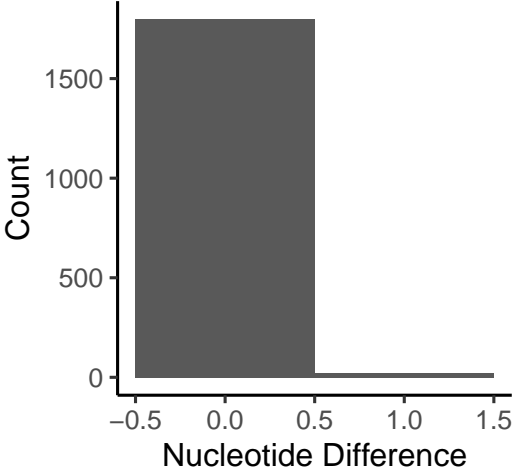
TRBV14*ap01

2821 sequences assigned
2789 (98.9%) exact matches, in which:
2745 unique CDR3
13 unique J



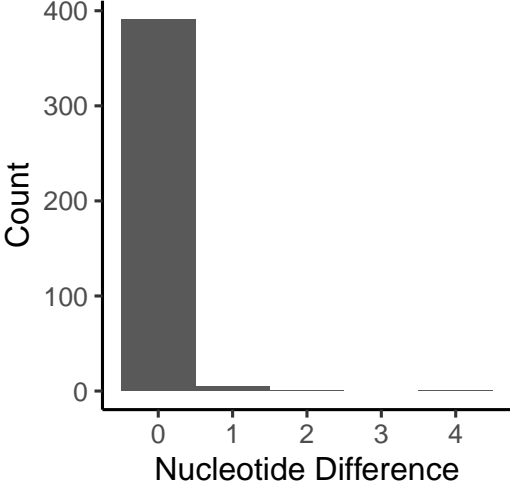
TRBV20-1*ap02

1821 sequences assigned
1799 (98.8%) exact matches, in which:
1754 unique CDR3
13 unique J



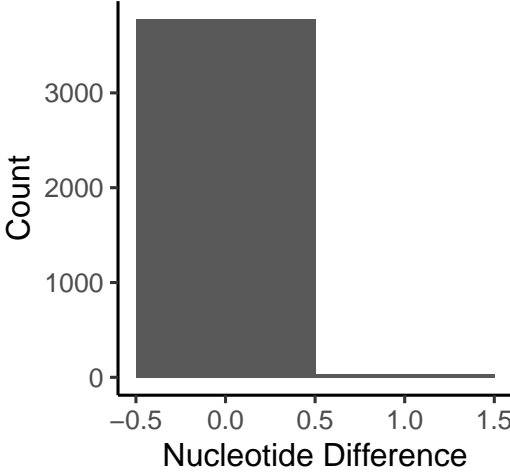
TRBV1*ap01

398 sequences assigned
391 (98.2%) exact matches, in which:
384 unique CDR3
13 unique J



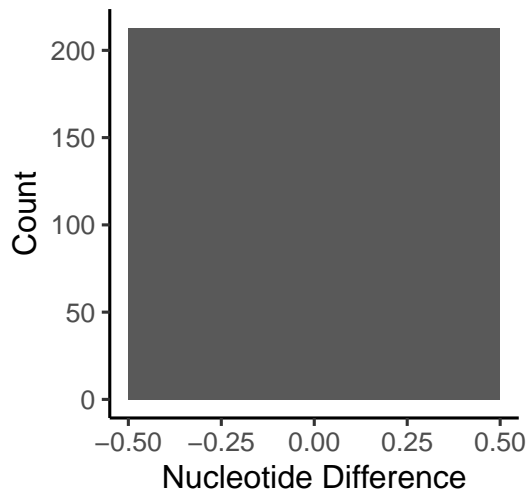
TRBV15*ap02

3816 sequences assigned
3779 (99%) exact matches, in which:
3661 unique CDR3
13 unique J



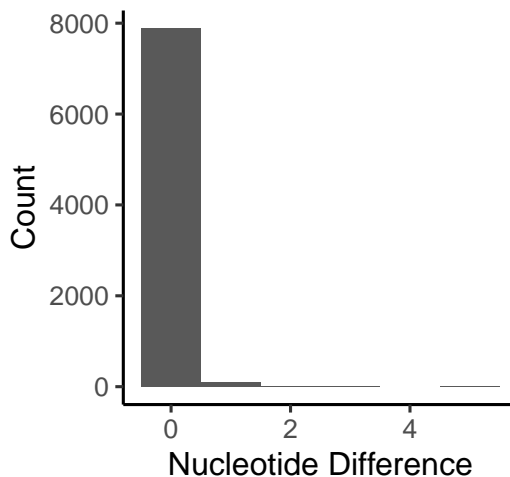
TRBV16*ap01

213 sequences assigned
213 (100%) exact matches, in which:
212 unique CDR3
12 unique J



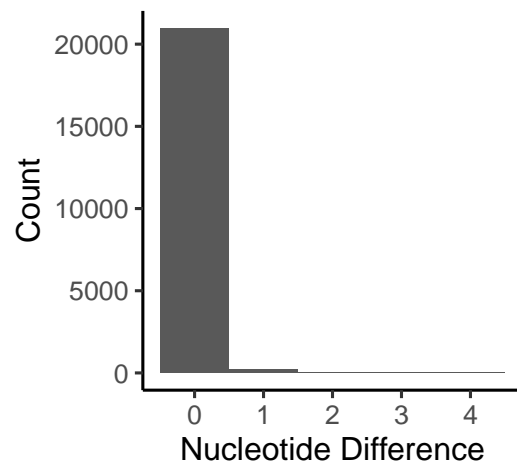
TRBV2*ap01

7980 sequences assigned
7885 (98.8%) exact matches, in which:
7717 unique CDR3
13 unique J



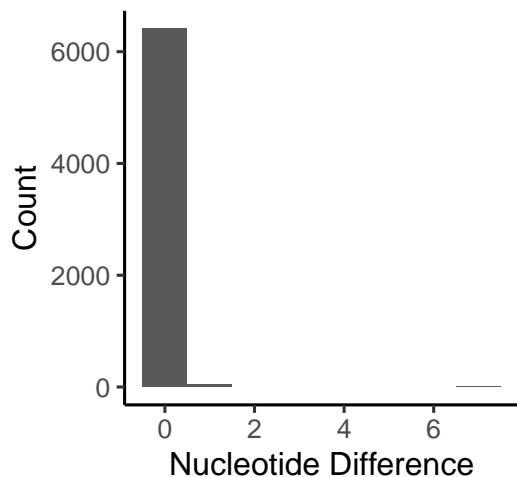
TRBV28*ap01

21214 sequences assigned
20974 (98.9%) exact matches, in which:
20515 unique CDR3
13 unique J



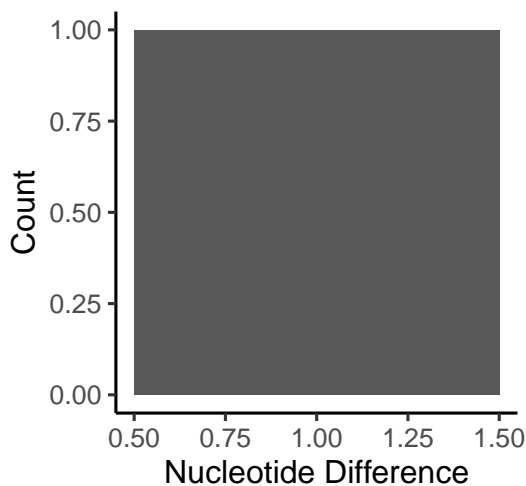
TRBV18*ap01

6452 sequences assigned
6411 (99.4%) exact matches, in which:
6319 unique CDR3
13 unique J



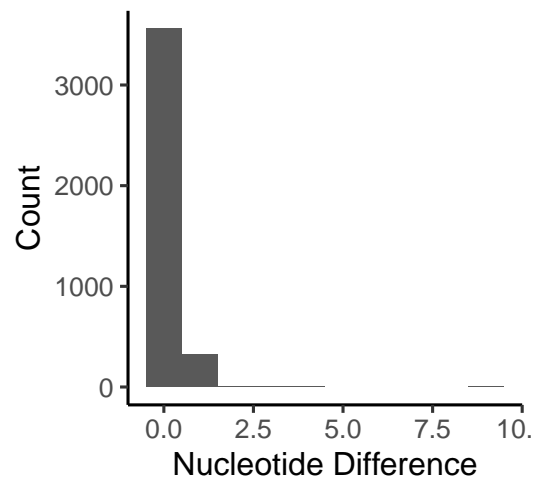
TRBV26*ap01

1 sequences assigned
No exact matches.



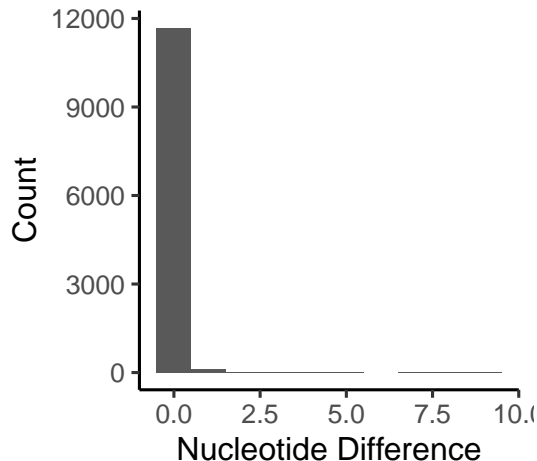
TRBV30*ap01

3890 sequences assigned
3559 (91.5%) exact matches, in which:
3517 unique CDR3
13 unique J



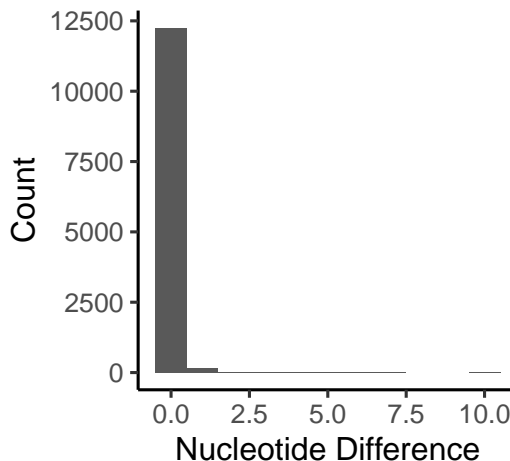
TRBV19*ap01

11822 sequences assigned
11684 (98.8%) exact matches, in which:
11516 unique CDR3
13 unique J



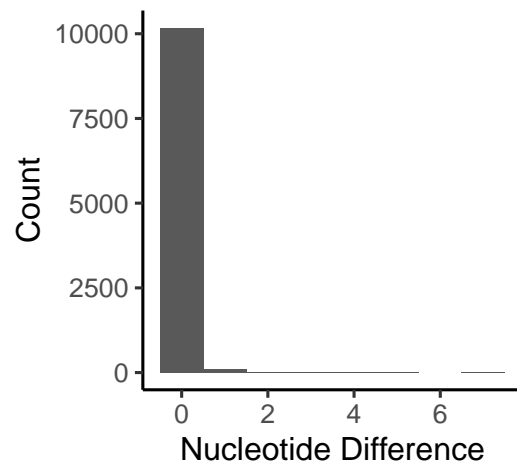
TRBV27*ap01

12411 sequences assigned
12254 (98.7%) exact matches, in which:
11885 unique CDR3
13 unique J



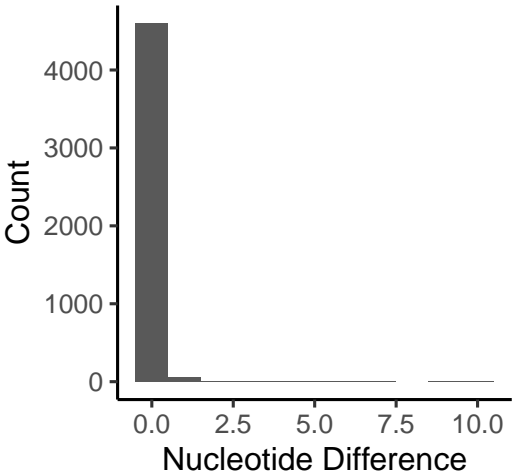
TRBV9*ap01

10300 sequences assigned
10176 (98.8%) exact matches, in which:
9937 unique CDR3
13 unique J



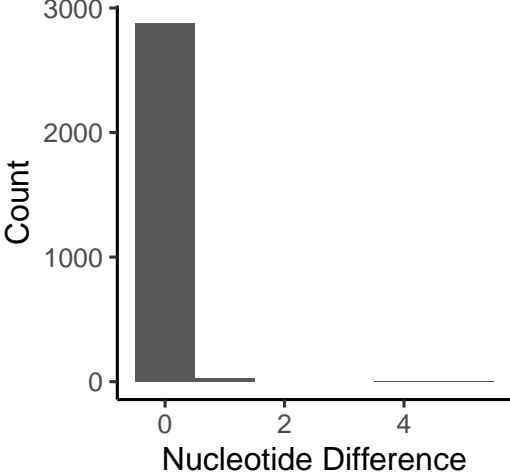
TRBV21-1*ap01

4679 sequences assigned
4598 (98.3%) exact matches, in which:
4507 unique CDR3
13 unique J



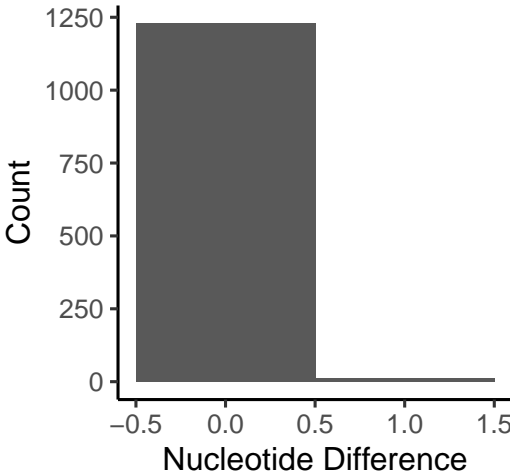
TRBV11-3*ap01

2909 sequences assigned
2876 (98.9%) exact matches, in which:
2813 unique CDR3
13 unique J



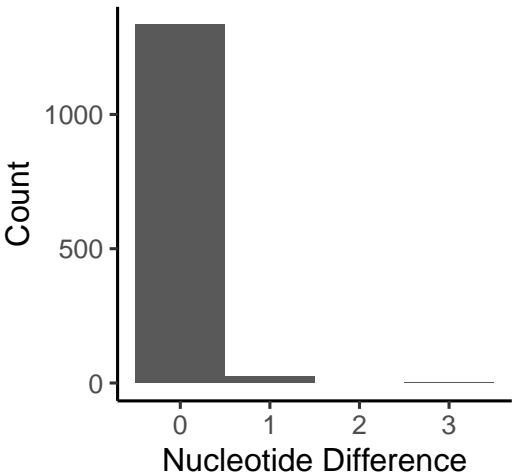
TRBV12-5*ap01

1242 sequences assigned
1229 (99%) exact matches, in which:
1214 unique CDR3
13 unique J



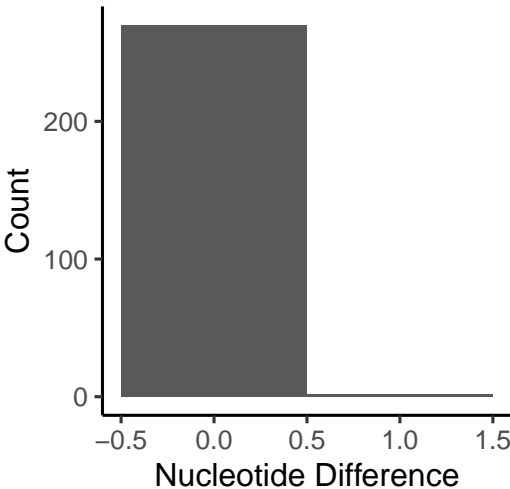
TRBV11-1*ap01

1358 sequences assigned
1334 (98.2%) exact matches, in which:
1293 unique CDR3
13 unique J



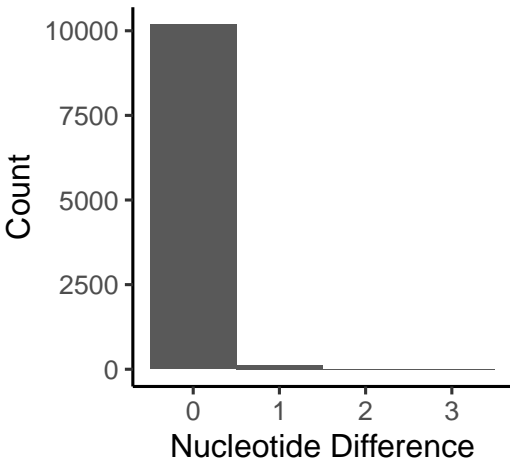
TRBV12-1*ap01

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



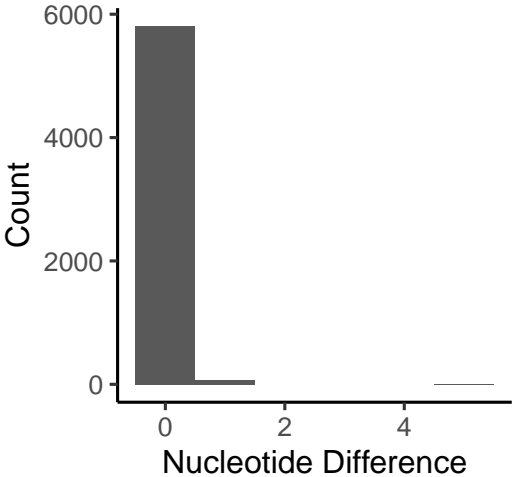
TRBV12-34*ap01

10308 sequences assigned
10186 (98.8%) exact matches, in which:
9937 unique CDR3
13 unique J



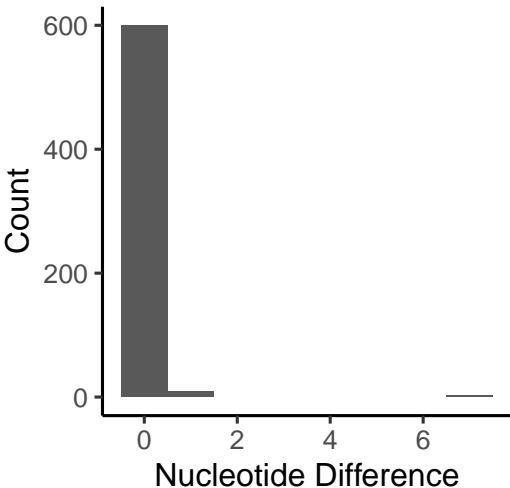
TRBV11-2*ap01

5879 sequences assigned
5808 (98.8%) exact matches, in which:
5671 unique CDR3
13 unique J



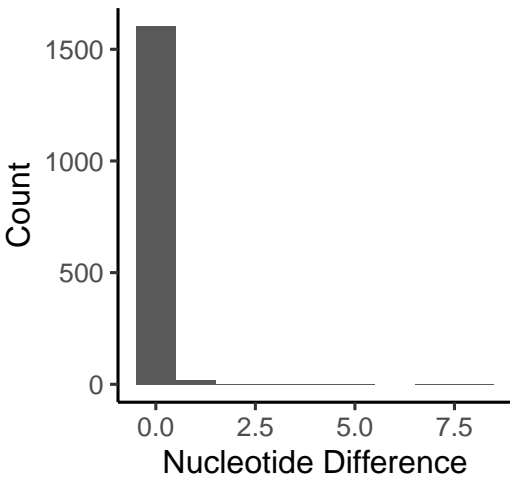
TRBV12-2*ap01

612 sequences assigned
600 (98%) exact matches, in which:
589 unique CDR3
13 unique J



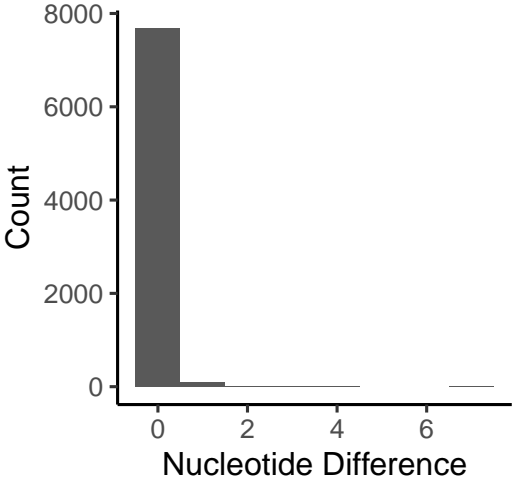
TRBV23-1*ap01

1629 sequences assigned
1604 (98.5%) exact matches, in which:
1569 unique CDR3
13 unique J



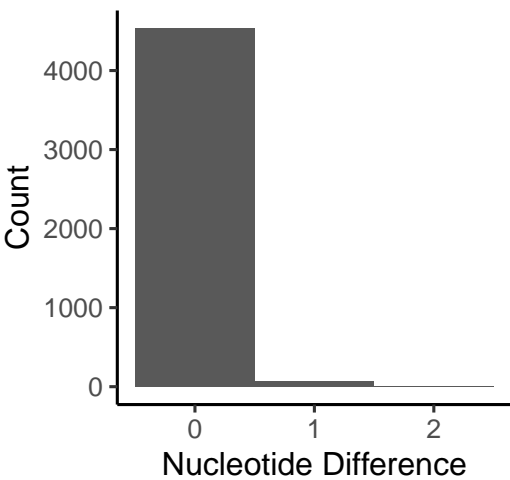
TRBV3-12*ap01

7780 sequences assigned
7680 (98.7%) exact matches, in which:
7502 unique CDR3
13 unique J



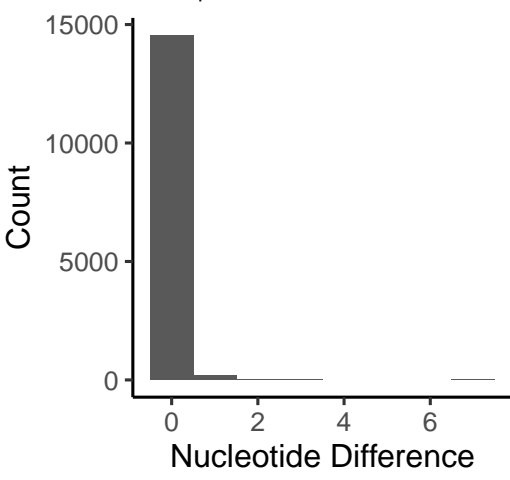
TRBV4-2*ap01

4604 sequences assigned
4533 (98.5%) exact matches, in which:
4432 unique CDR3
13 unique J



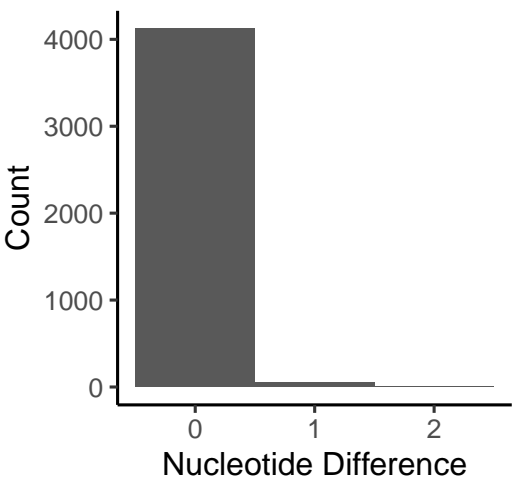
TRBV5-1*ap01

14732 sequences assigned
14552 (98.8%) exact matches, in which:
14157 unique CDR3
13 unique J



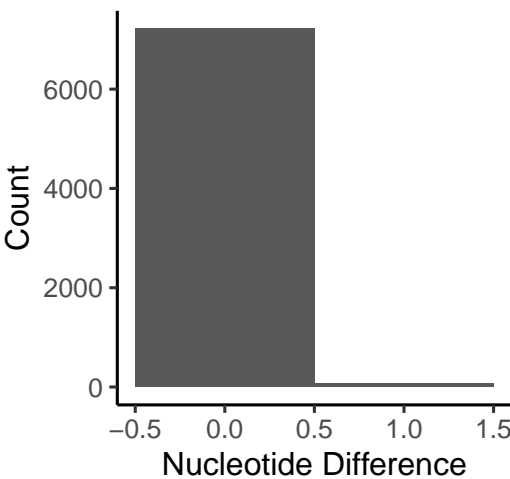
TRBV4-1*ap01

4175 sequences assigned
4122 (98.7%) exact matches, in which:
4042 unique CDR3
13 unique J



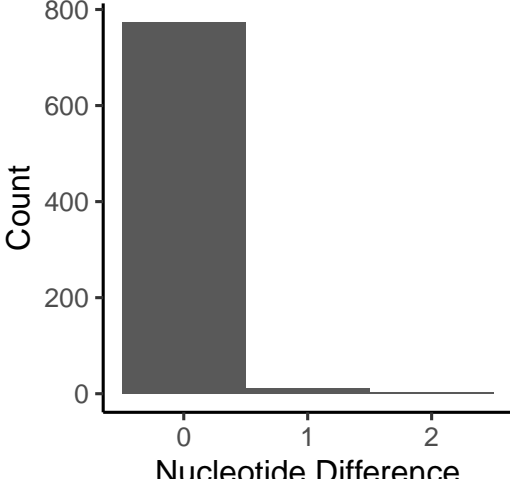
TRBV4-3*ap01

7291 sequences assigned
7217 (99%) exact matches, in which:
7060 unique CDR3
13 unique J



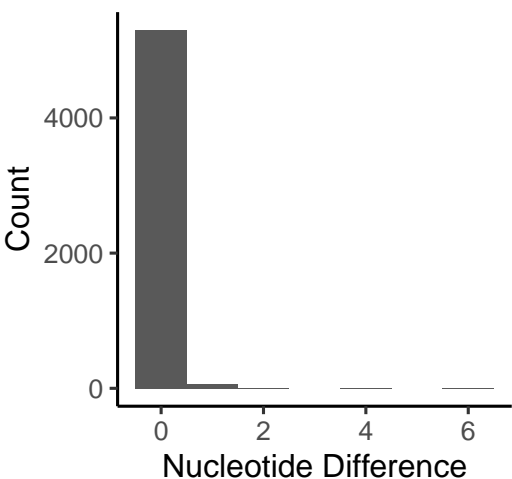
TRBV5-3*ap01

790 sequences assigned
774 (98%) exact matches, in which:
754 unique CDR3
13 unique J



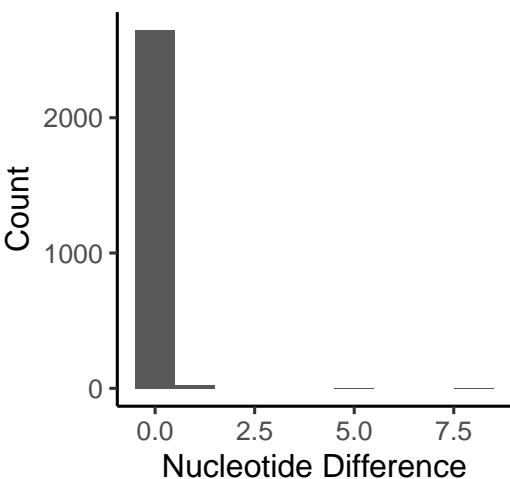
TRBV24-1*ap01

5369 sequences assigned
5300 (98.7%) exact matches, in which:
5211 unique CDR3
13 unique J



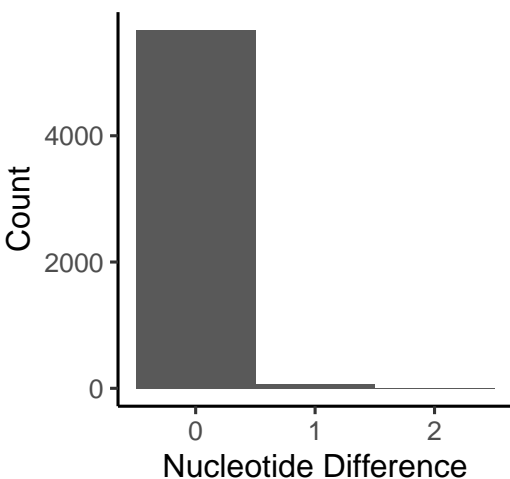
TRBV25-1*ap01

2677 sequences assigned
2648 (98.9%) exact matches, in which:
2590 unique CDR3
13 unique J



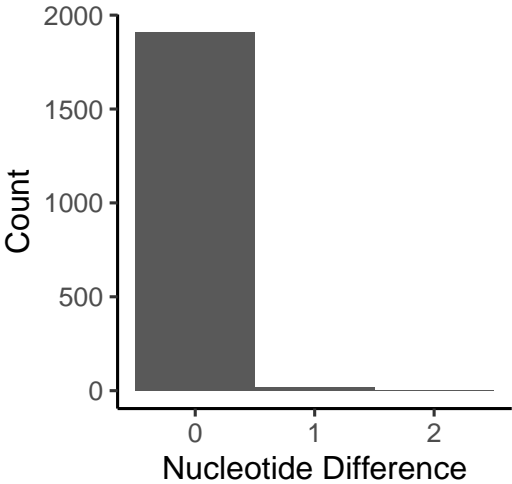
TRBV5-4*ap01

5744 sequences assigned
5674 (98.8%) exact matches, in which:
5532 unique CDR3
13 unique J



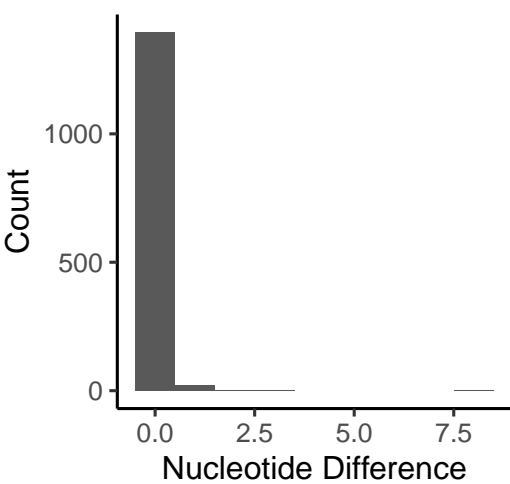
TRBV5-5*ap01

1930 sequences assigned
1908 (98.9%) exact matches, in which:
1887 unique CDR3
13 unique J



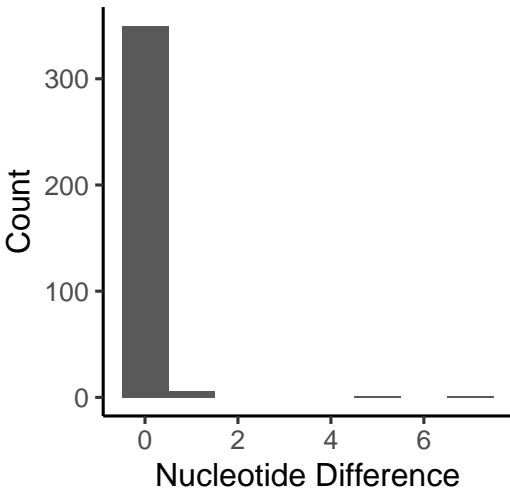
TRBV5-8*ap01

1421 sequences assigned
1395 (98.2%) exact matches, in which:
1361 unique CDR3
13 unique J



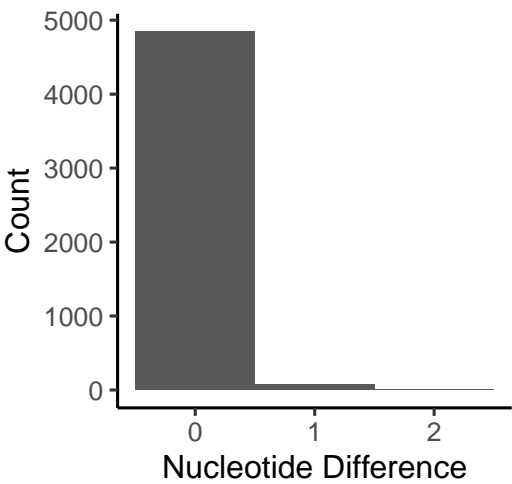
TRBV6-7*ap01

358 sequences assigned
350 (97.8%) exact matches, in which:
342 unique CDR3
13 unique J



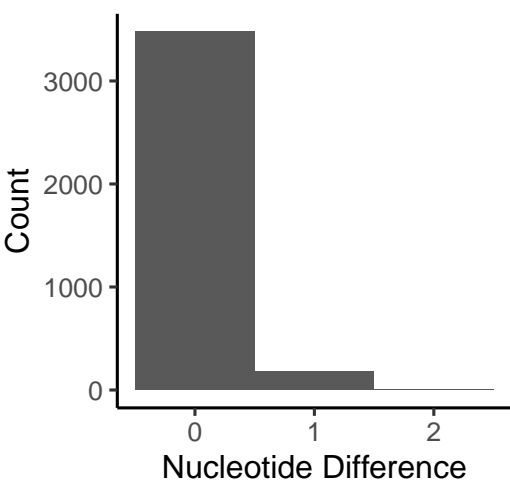
TRBV5-6*ap01

4919 sequences assigned
4844 (98.5%) exact matches, in which:
4743 unique CDR3
13 unique J



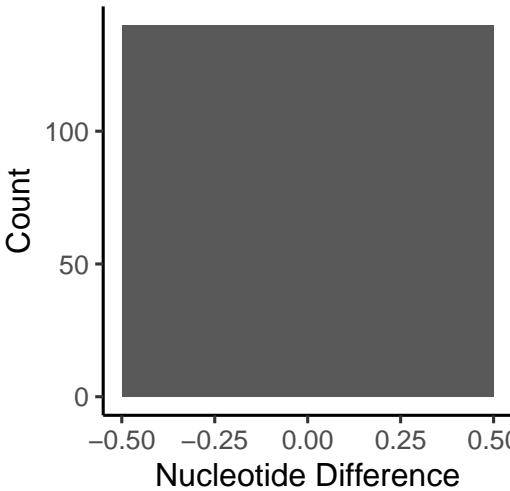
TRBV6-1*ap01

3666 sequences assigned
3478 (94.9%) exact matches, in which:
3369 unique CDR3
13 unique J



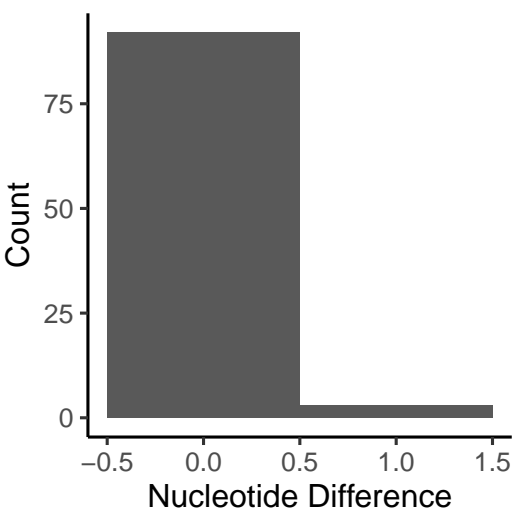
TRBV6-8*ap01

140 sequences assigned
140 (100%) exact matches, in which:
135 unique CDR3
13 unique J



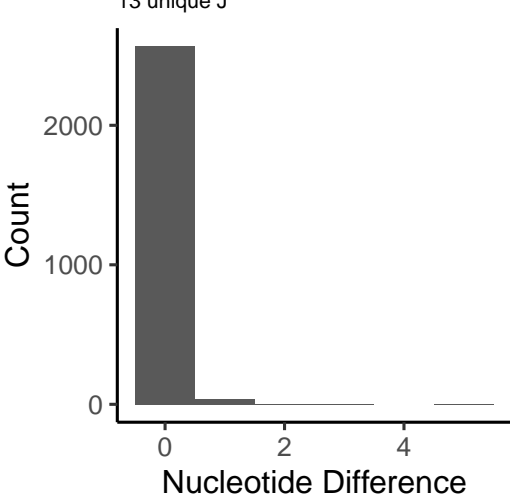
TRBV5-7*ap01

95 sequences assigned
92 (96.8%) exact matches, in which:
91 unique CDR3
13 unique J



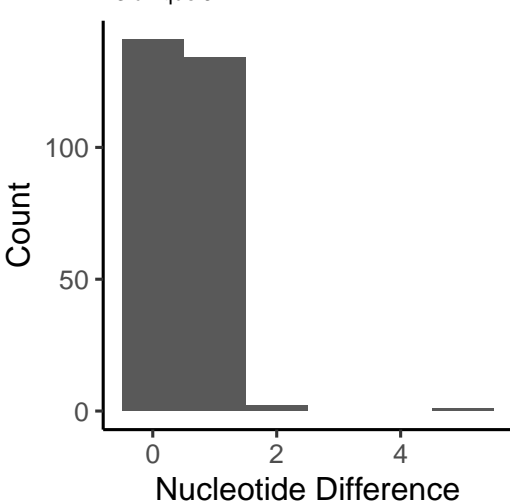
TRBV6-4*ap01

2612 sequences assigned
2568 (98.3%) exact matches, in which:
2503 unique CDR3
13 unique J



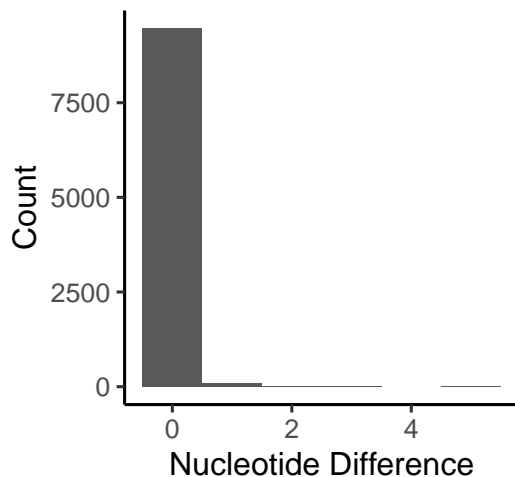
TRBV6-9*ap01

278 sequences assigned
141 (50.7%) exact matches, in which:
139 unique CDR3
13 unique J



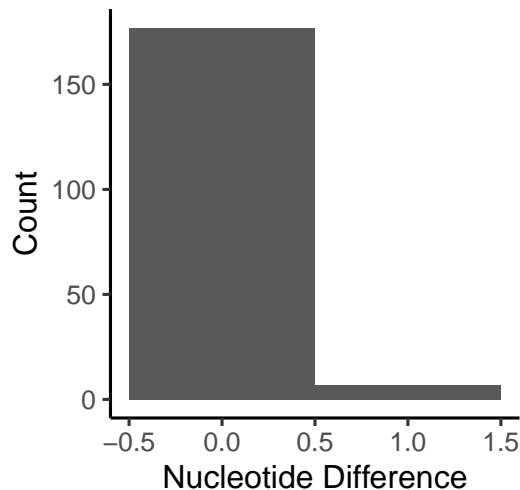
TRBV6-23*ap01

9562 sequences assigned
9462 (99%) exact matches, in which:
9221 unique CDR3
13 unique J



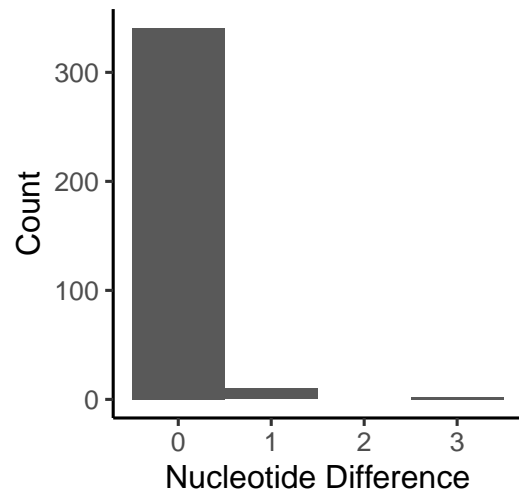
TRBV7-1*ap01_G291C_

184 sequences assigned
177 (96.2%) exact matches, in which:
169 unique CDR3
13 unique J



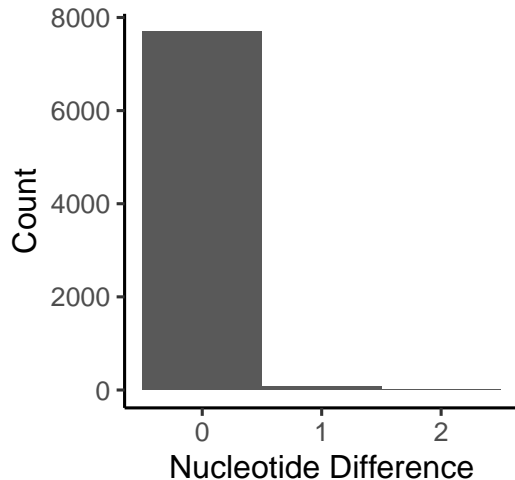
TRBV7-4*ap01

353 sequences assigned
341 (96.6%) exact matches, in which:
335 unique CDR3
13 unique J



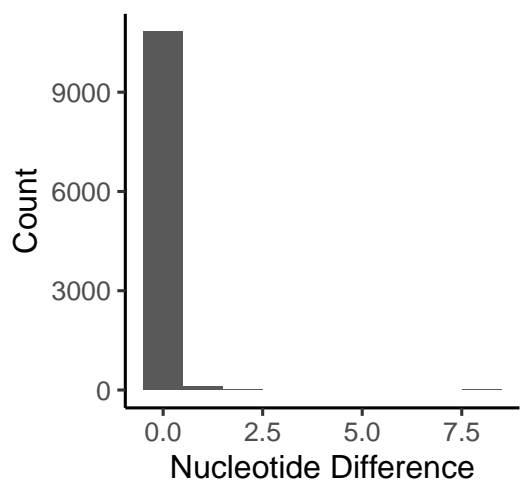
TRBV6-56*ap01

7772 sequences assigned
7694 (99%) exact matches, in which:
7519 unique CDR3
13 unique J



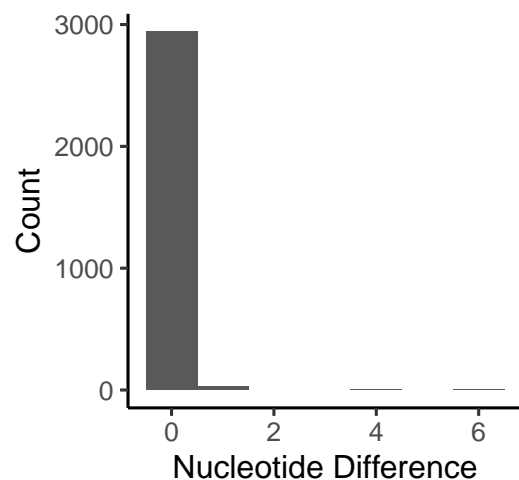
TRBV7-2*ap01

10938 sequences assigned
10827 (99%) exact matches, in which:
10565 unique CDR3
13 unique J



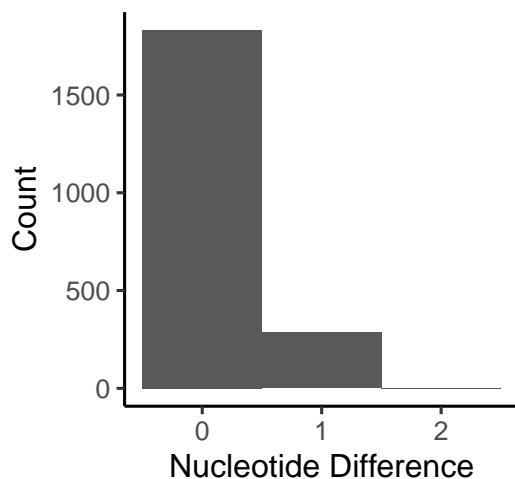
TRBV7-6*ap01

2972 sequences assigned
2941 (99%) exact matches, in which:
2867 unique CDR3
13 unique J



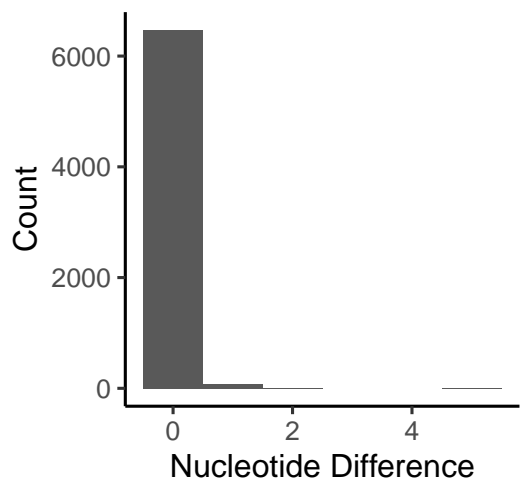
TRBV6-56*ap02

2119 sequences assigned
1832 (86.5%) exact matches, in which:
1786 unique CDR3
13 unique J



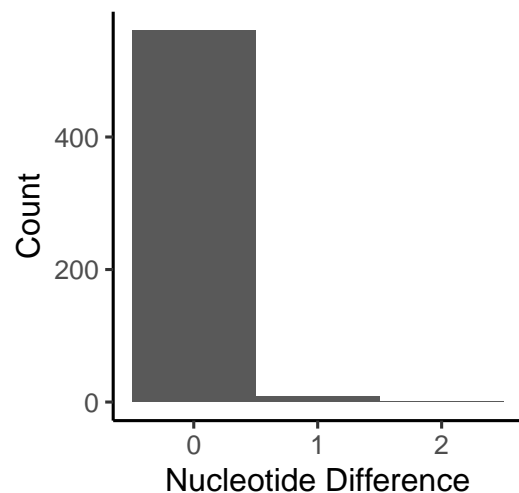
TRBV7-3*ap01

6546 sequences assigned
6470 (98.8%) exact matches, in which:
6359 unique CDR3
13 unique J



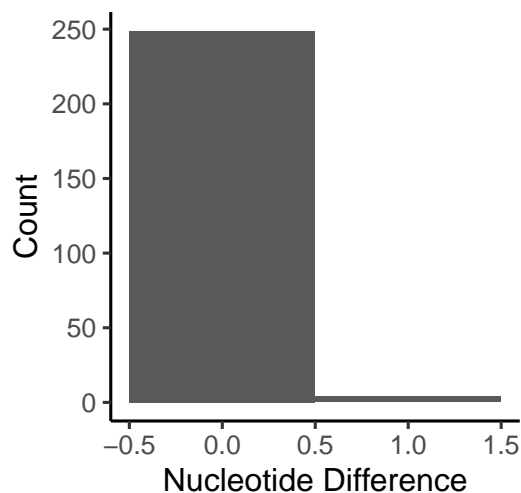
TRBV7-7*ap01

571 sequences assigned
561 (98.2%) exact matches, in which:
545 unique CDR3
13 unique J



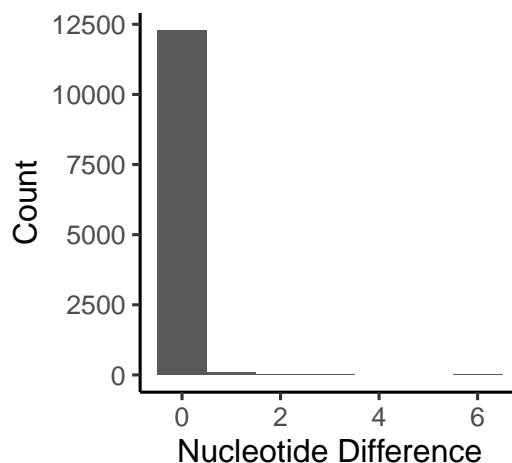
TRBV7-7*ap01_C315T

253 sequences assigned
249 (98.4%) exact matches, in which:
240 unique CDR3
13 unique J



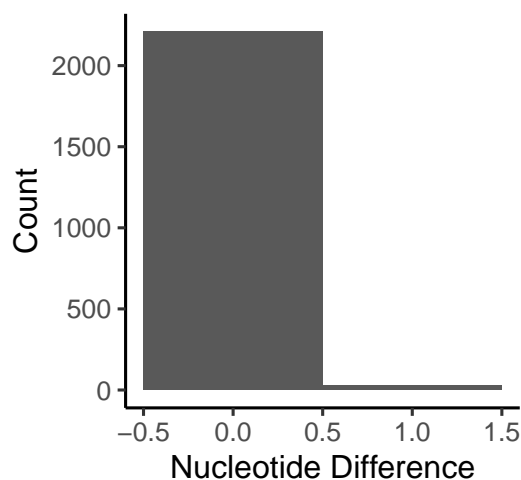
TRBV7-9*ap01

12396 sequences assigned
12292 (99.2%) exact matches, in which:
12037 unique CDR3
13 unique J



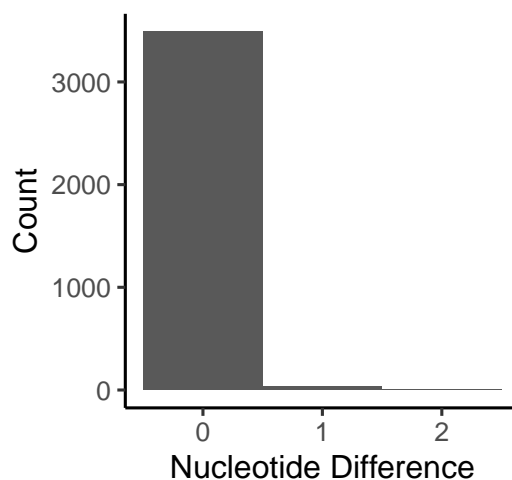
TRBV7-8*ap01

2235 sequences assigned
2209 (98.8%) exact matches, in which:
2153 unique CDR3
13 unique J



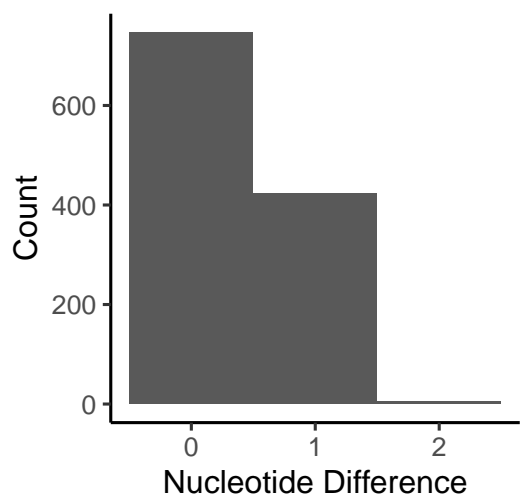
TRBV29-1*ap01

3524 sequences assigned
3489 (99%) exact matches, in which:
3409 unique CDR3
13 unique J



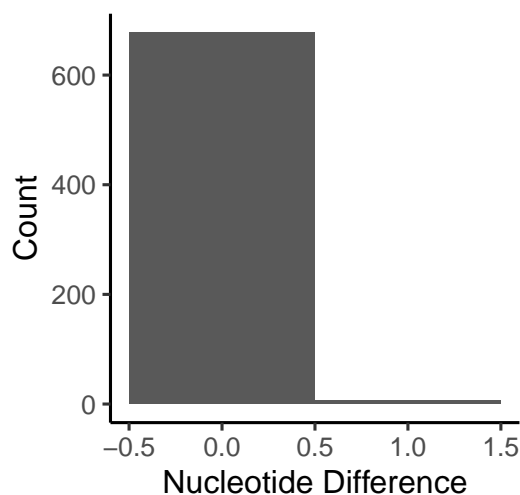
TRBV7-8*ap03

1175 sequences assigned
747 (63.6%) exact matches, in which:
725 unique CDR3
13 unique J

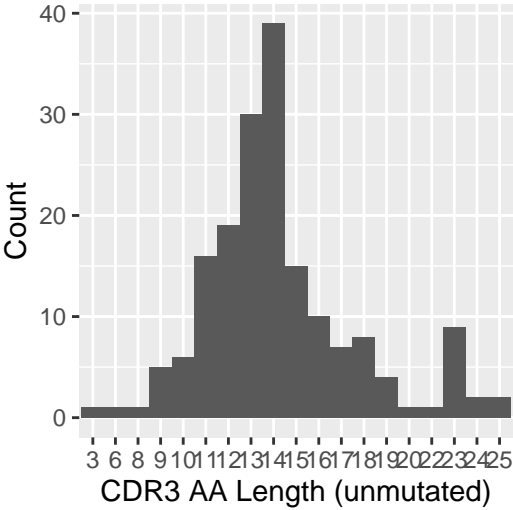


TRBV29-1*ap02

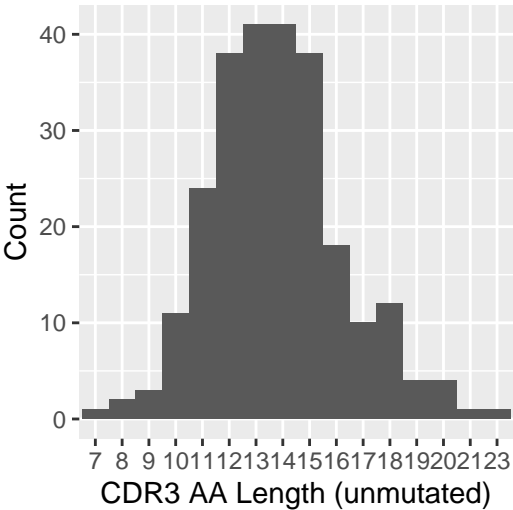
685 sequences assigned
678 (99%) exact matches, in which:
664 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]