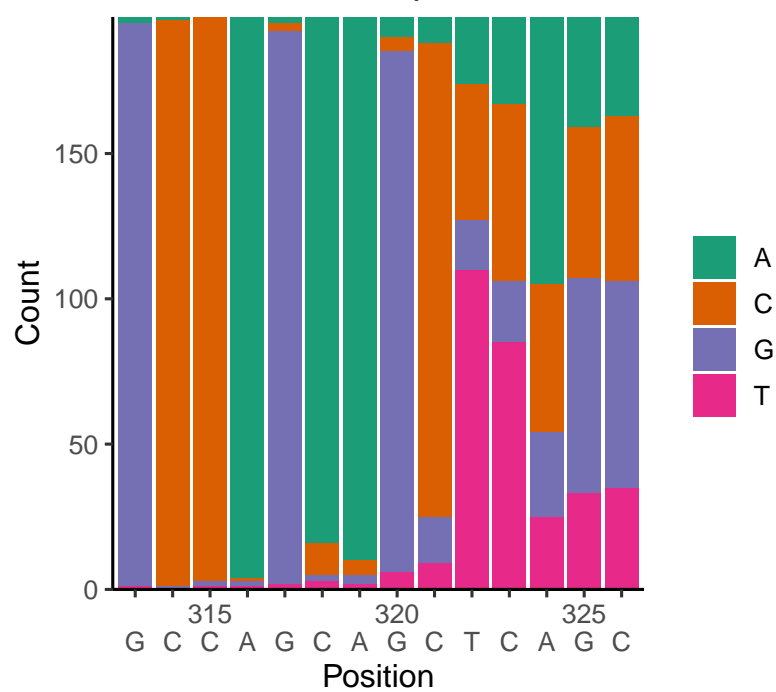
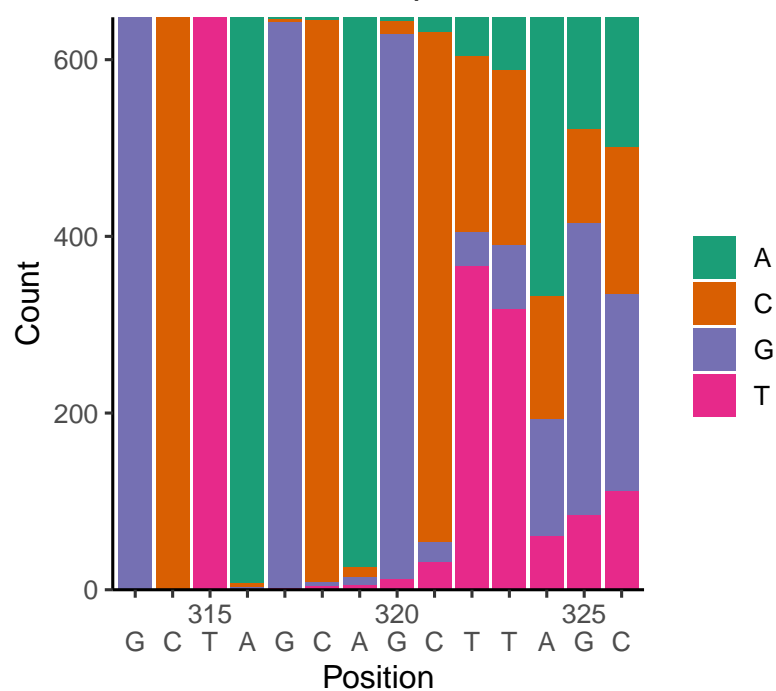


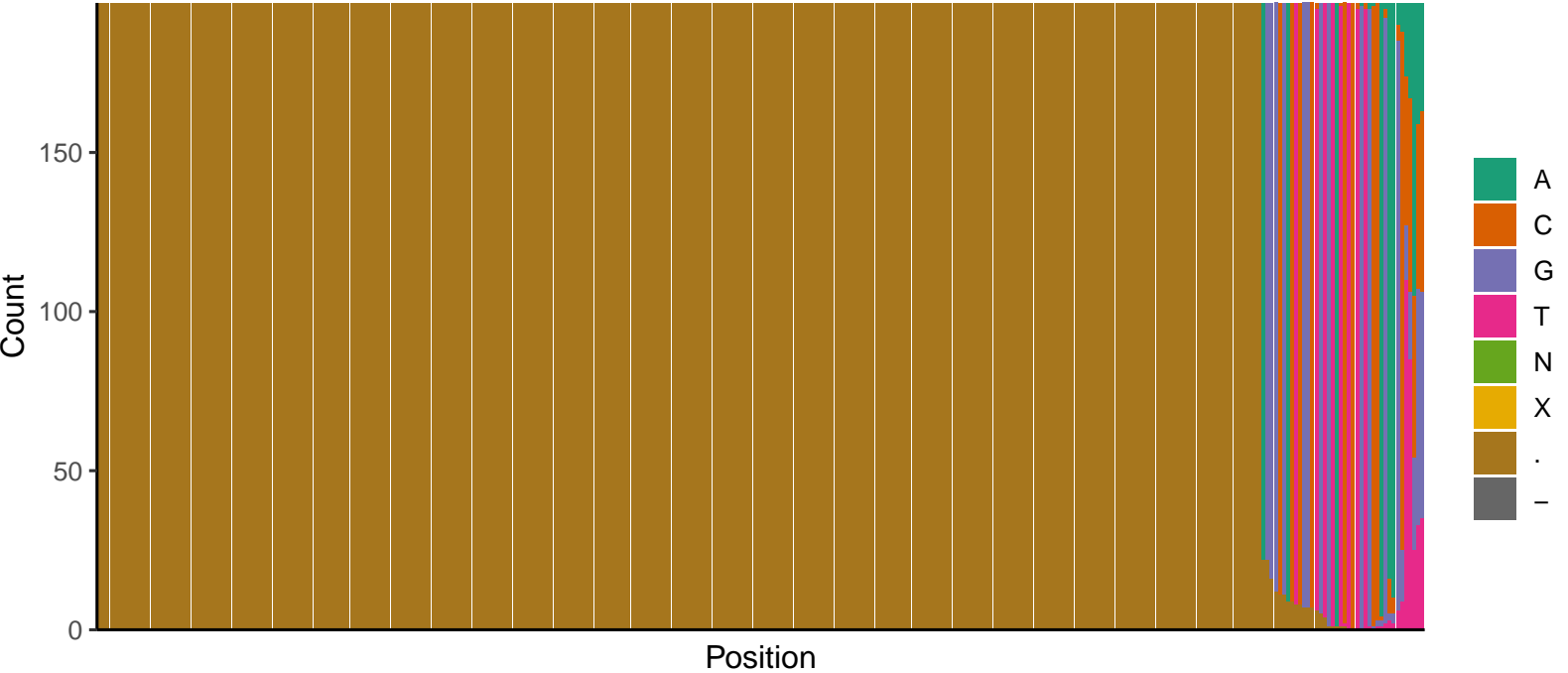
Gene TRBV7-1*ap01_G291C_T296C



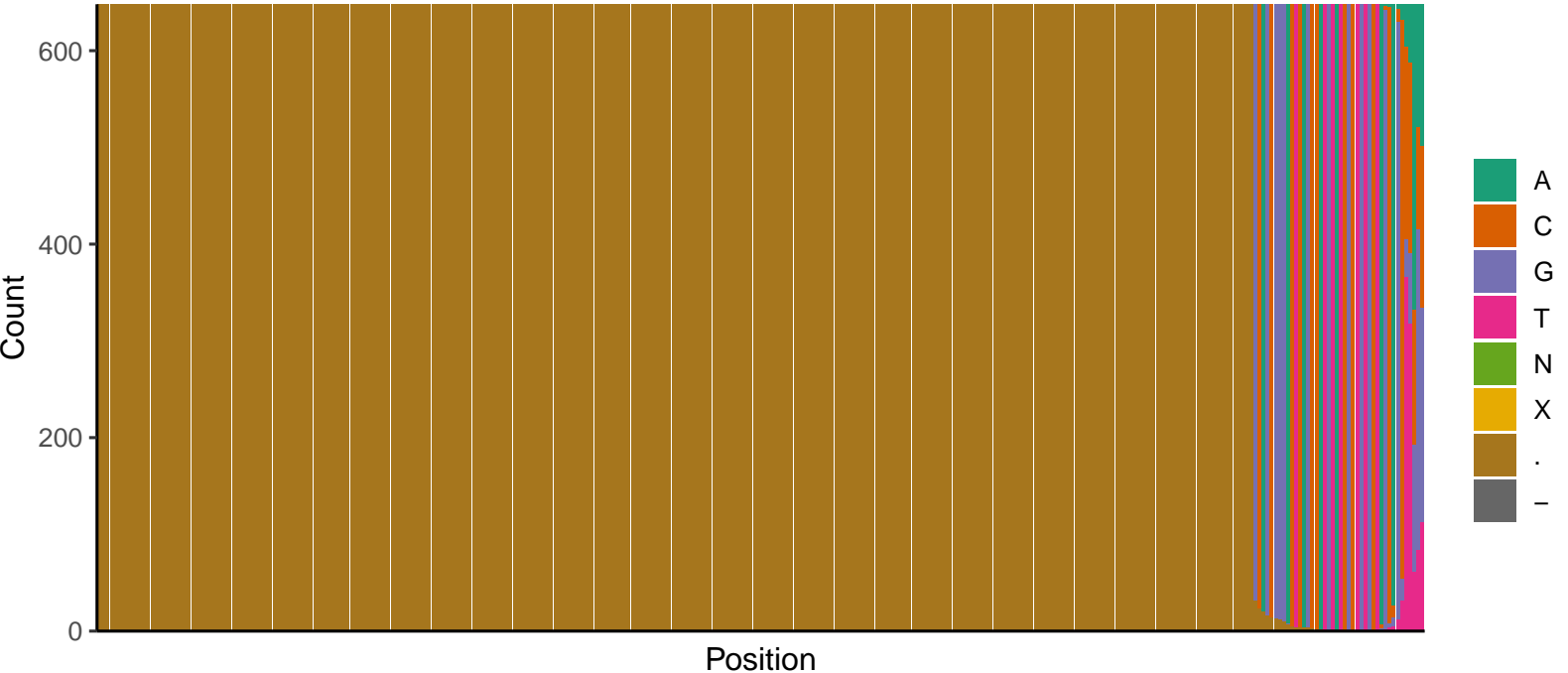
Gene TRBV7-7*ap01_C315T



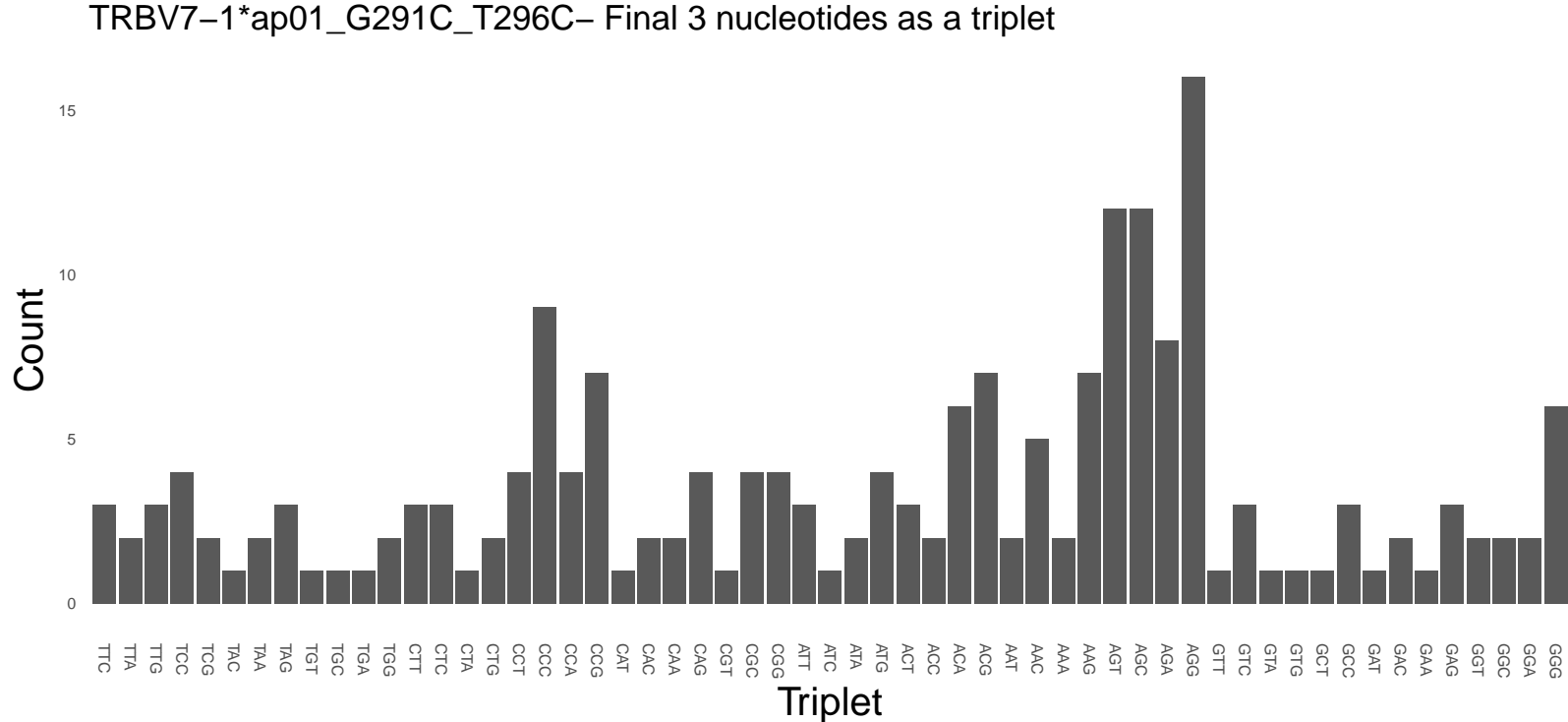
Gene TRBV7-1*ap01_G291C_T296C



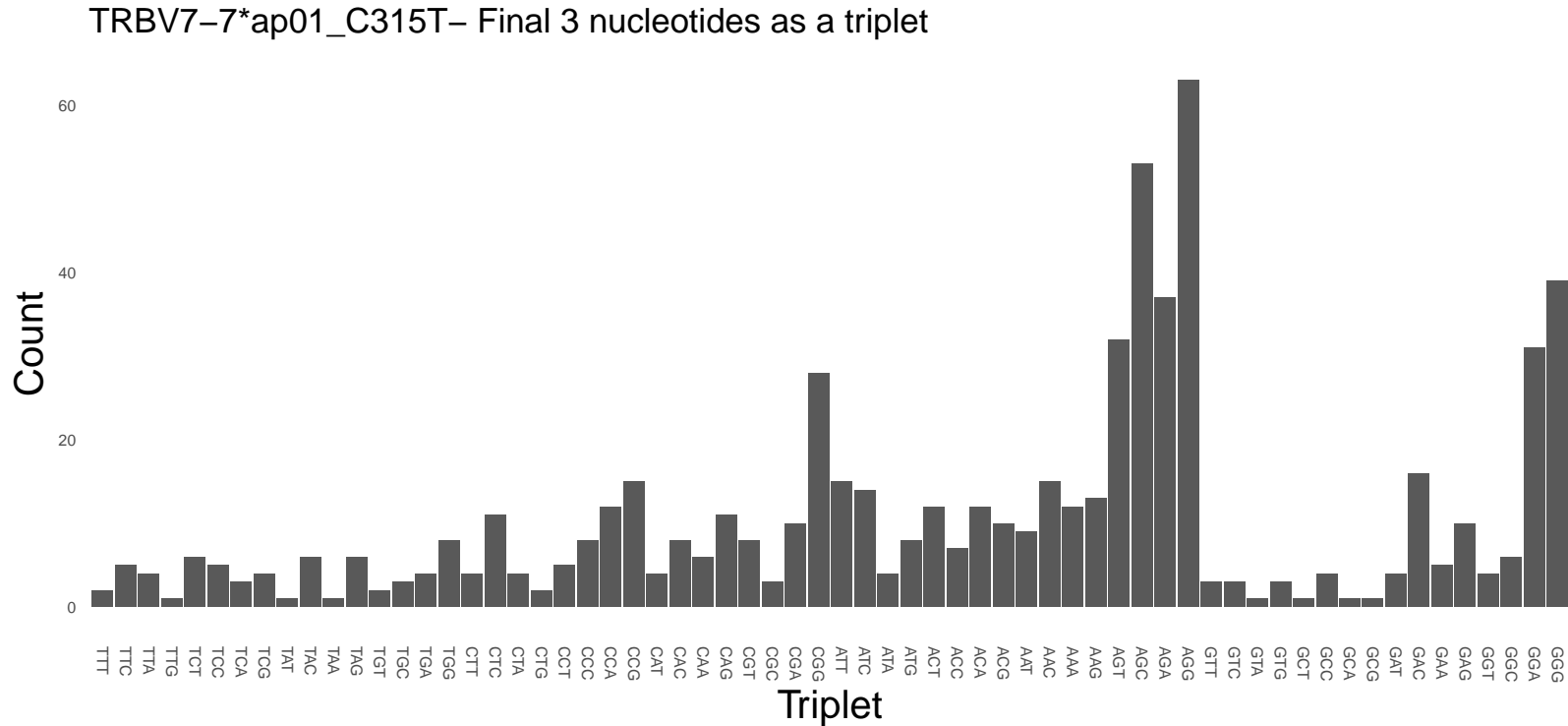
Gene TRBV7-7*ap01_C315T



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

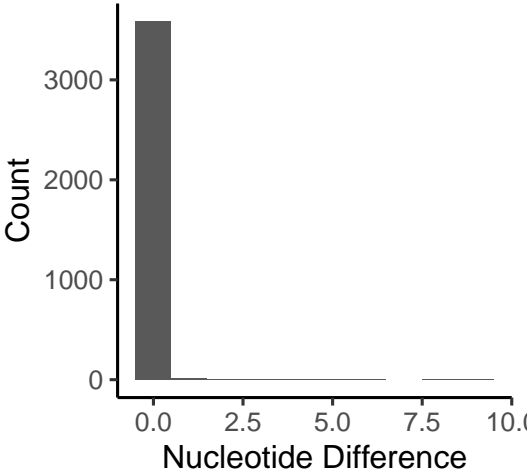


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



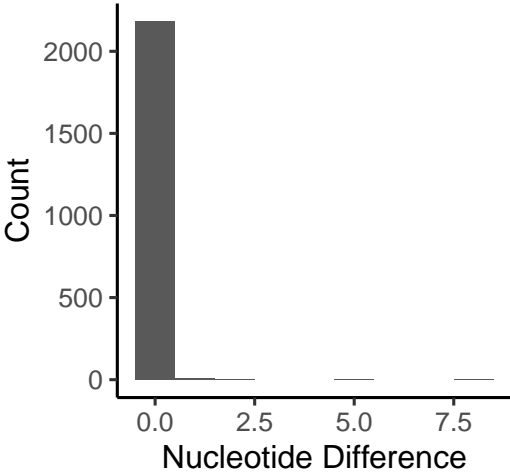
TRBV10-1*ap01

3612 sequences assigned
3585 (99.3%) exact matches, in which:
3552 unique CDR3
13 unique J



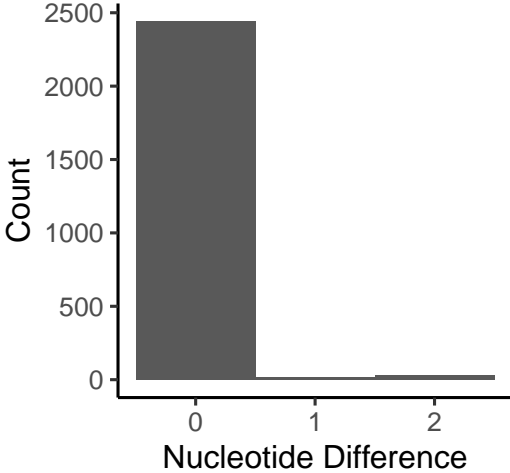
TRBV10-2*ap01

2194 sequences assigned
2182 (99.5%) exact matches, in which:
2164 unique CDR3
13 unique J



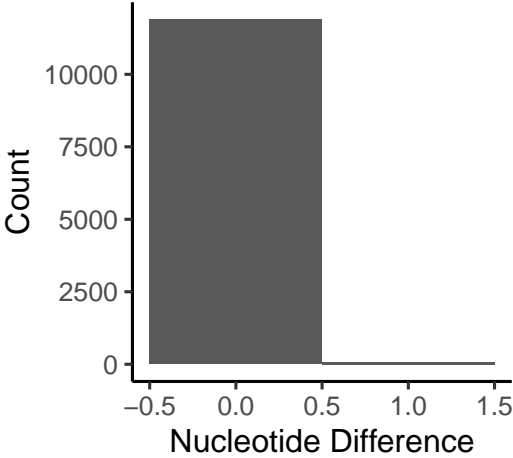
TRBV13*ap01

2491 sequences assigned
2441 (98%) exact matches, in which:
2405 unique CDR3
13 unique J



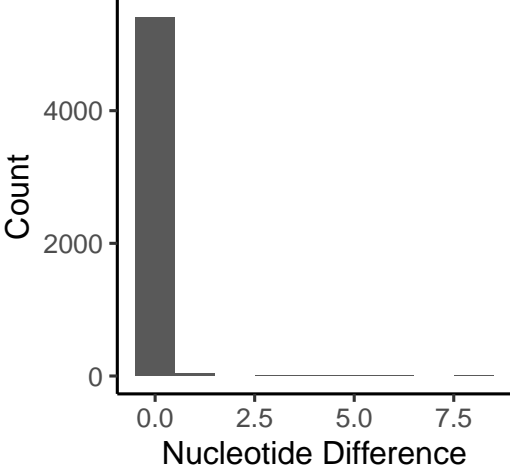
TRBV20-1*ap01

11966 sequences assigned
11892 (99.4%) exact matches, in which:
11830 unique CDR3
13 unique J



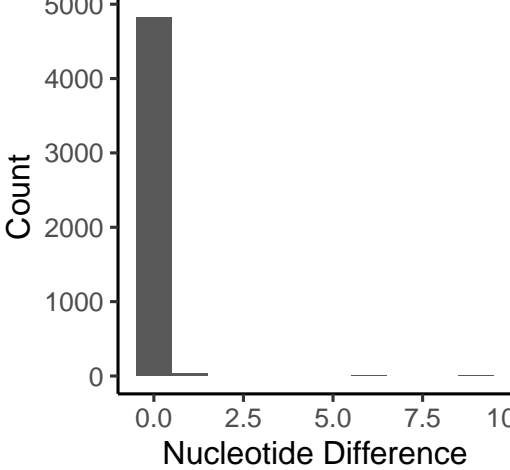
TRBV10-3*ap01

5438 sequences assigned
5401 (99.3%) exact matches, in which:
5363 unique CDR3
13 unique J



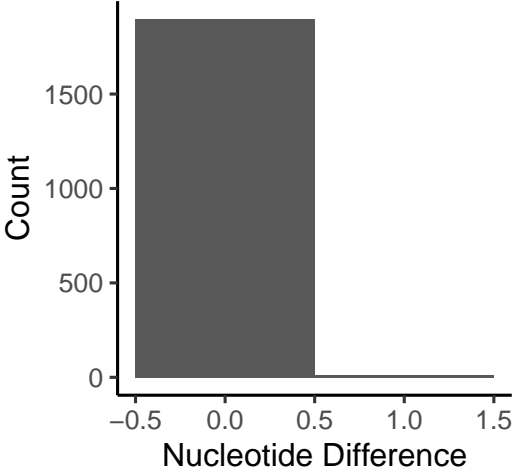
TRBV14*ap01

4848 sequences assigned
4818 (99.4%) exact matches, in which:
4790 unique CDR3
13 unique J



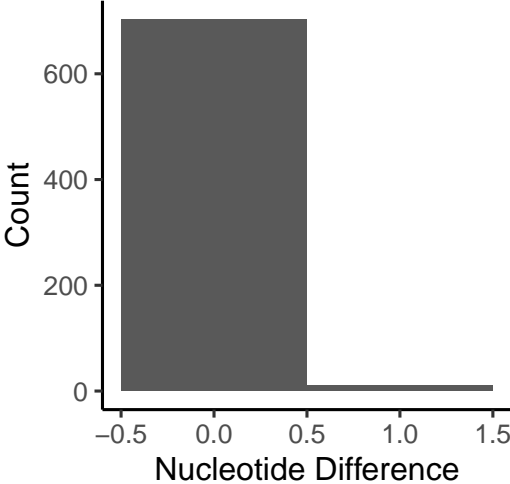
TRBV20-1*ap02

1910 sequences assigned
1897 (99.3%) exact matches, in which:
1884 unique CDR3
13 unique J



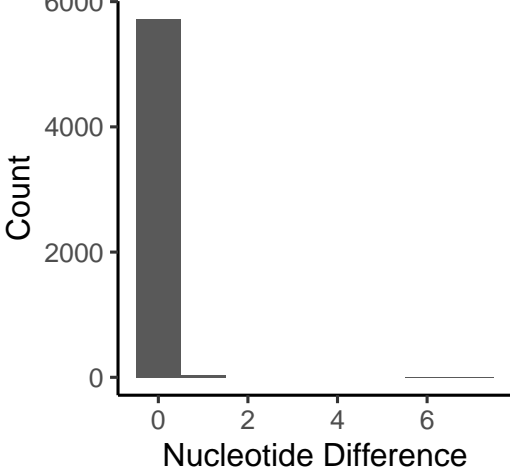
TRBV1*ap01

713 sequences assigned
703 (98.6%) exact matches, in which:
690 unique CDR3
13 unique J



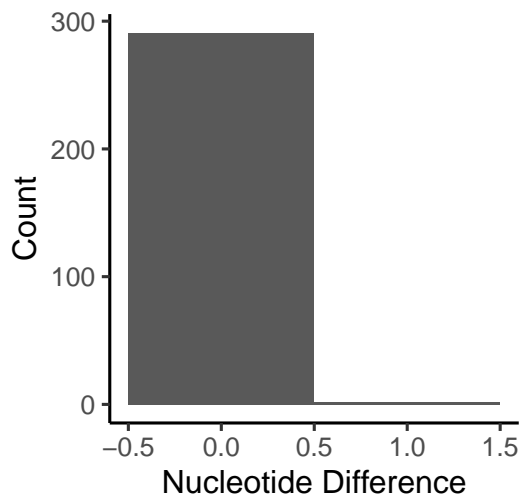
TRBV15*ap02

5765 sequences assigned
5722 (99.3%) exact matches, in which:
5656 unique CDR3
13 unique J



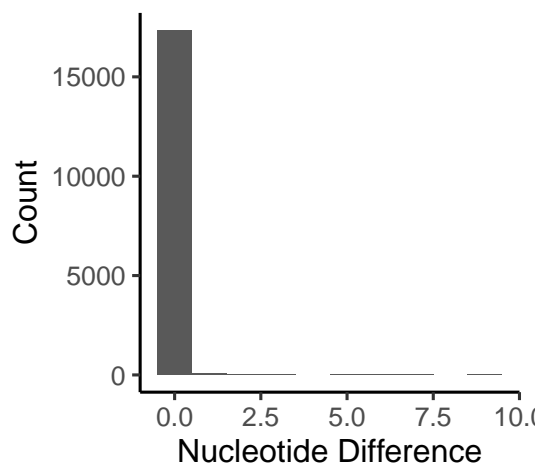
TRBV16*ap01

293 sequences assigned
291 (99.3%) exact matches, in which:
291 unique CDR3
13 unique J



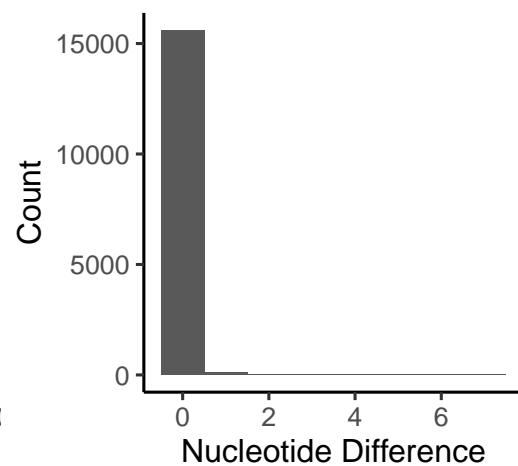
TRBV19*ap01

17453 sequences assigned
17350 (99.4%) exact matches, in which:
17277 unique CDR3
13 unique J



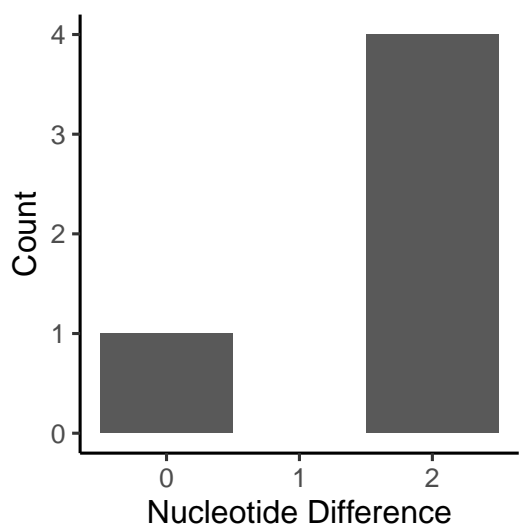
TRBV27*ap01

15731 sequences assigned
15606 (99.2%) exact matches, in which:
15452 unique CDR3
13 unique J



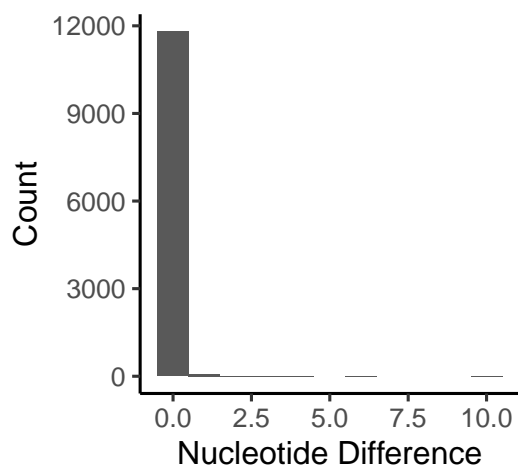
TRBV17*ap01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



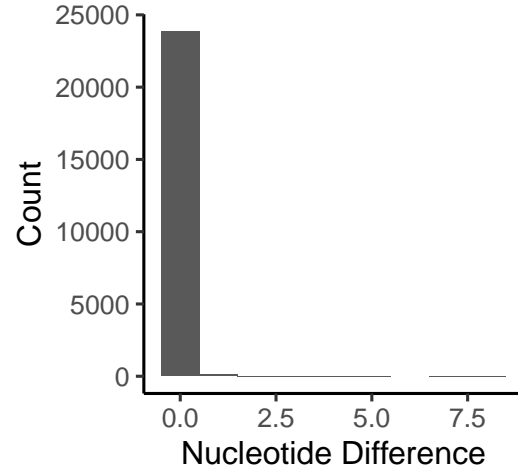
TRBV2*ap01

11886 sequences assigned
11807 (99.3%) exact matches, in which:
11666 unique CDR3
13 unique J



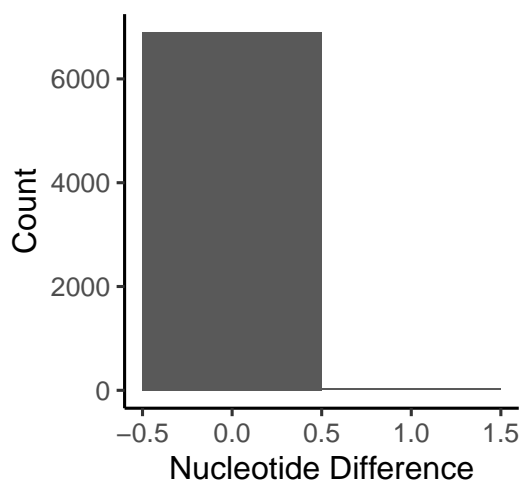
TRBV28*ap01

23982 sequences assigned
23852 (99.5%) exact matches, in which:
23691 unique CDR3
13 unique J



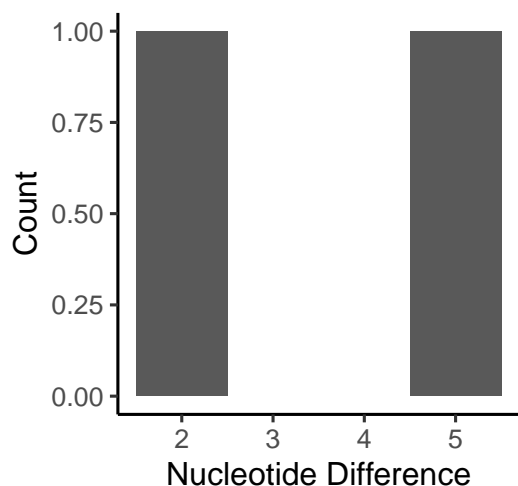
TRBV18*ap01

6936 sequences assigned
6903 (99.5%) exact matches, in which:
6871 unique CDR3
13 unique J



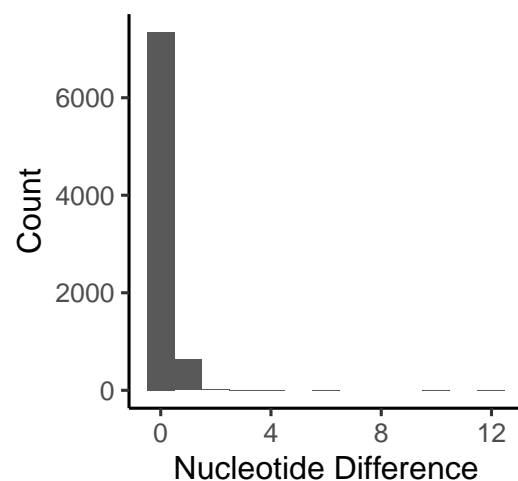
TRBV26*ap01

2 sequences assigned
No exact matches.



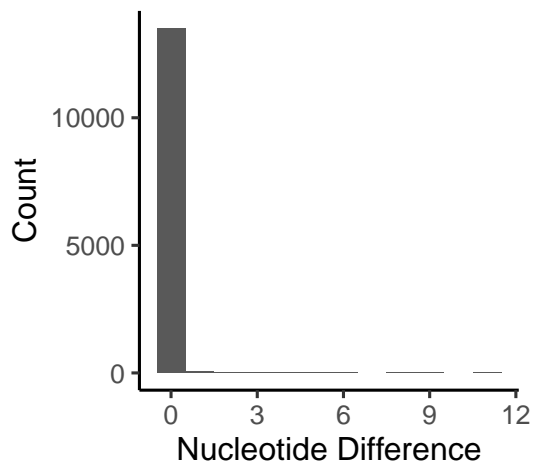
TRBV30*ap01

8008 sequences assigned
7347 (91.7%) exact matches, in which:
7182 unique CDR3
13 unique J



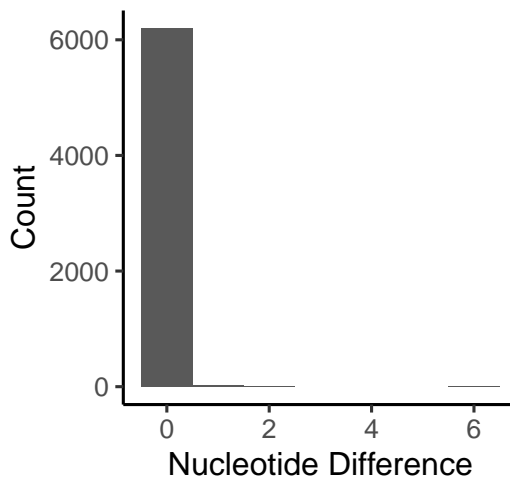
TRBV9*ap01

13572 sequences assigned
13511 (99.6%) exact matches, in which:
13437 unique CDR3
13 unique J



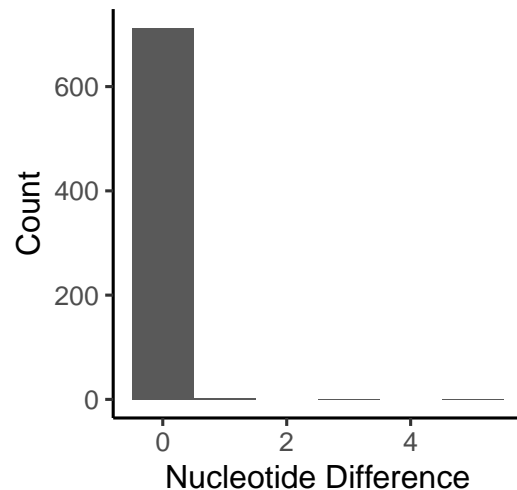
TRBV11-2*ap01

6219 sequences assigned
6197 (99.6%) exact matches, in which:
6178 unique CDR3
13 unique J



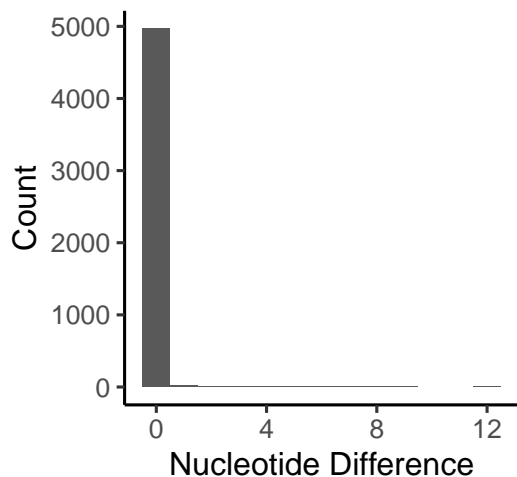
TRBV12-2*ap01

717 sequences assigned
713 (99.4%) exact matches, in which:
710 unique CDR3
13 unique J



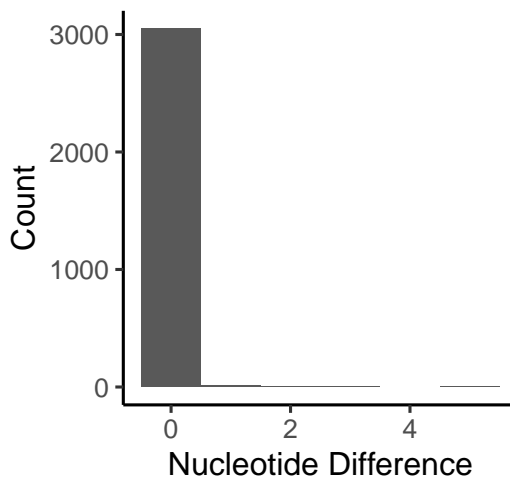
TRBV21-1*ap01

5020 sequences assigned
4967 (98.9%) exact matches, in which:
4945 unique CDR3
13 unique J



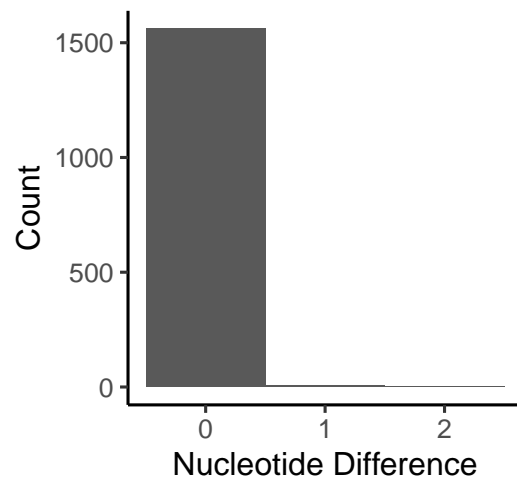
TRBV11-3*ap01

3065 sequences assigned
3049 (99.5%) exact matches, in which:
3041 unique CDR3
13 unique J



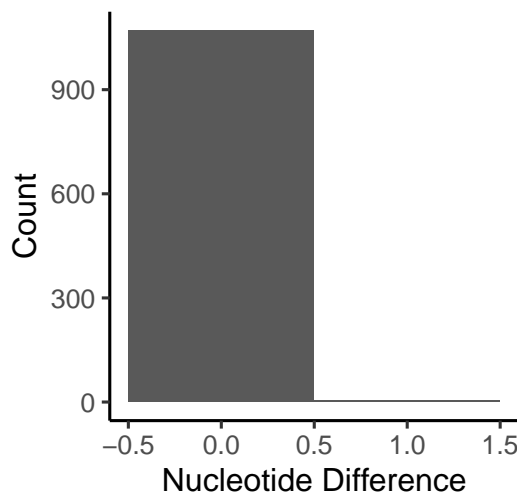
TRBV12-5*ap01

1570 sequences assigned
1561 (99.4%) exact matches, in which:
1550 unique CDR3
13 unique J



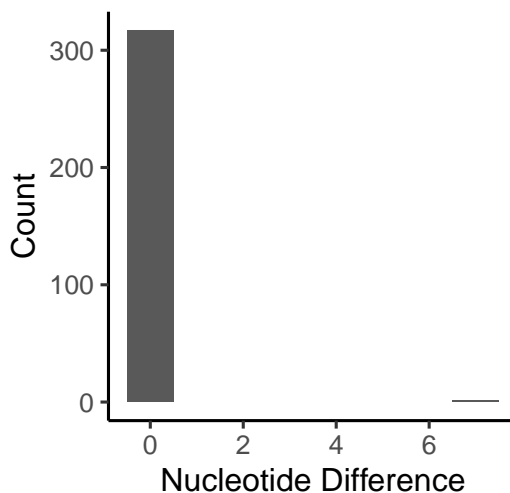
TRBV11-1*ap01

1076 sequences assigned
1071 (99.5%) exact matches, in which:
1062 unique CDR3
13 unique J



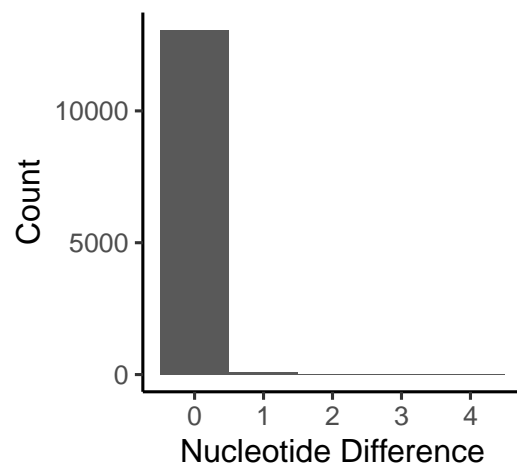
TRBV12-1*ap01

318 sequences assigned
317 (99.7%) exact matches, in which:
313 unique CDR3
13 unique J



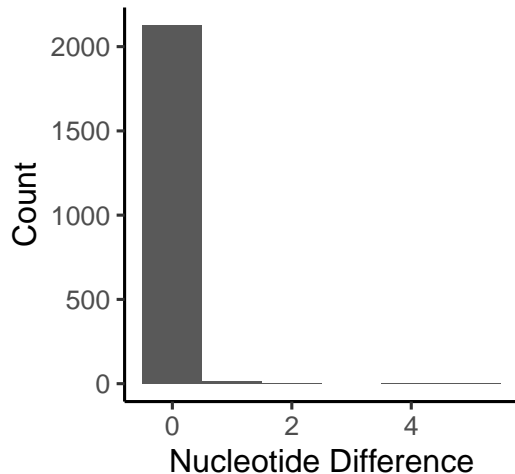
TRBV12-34*ap01

13172 sequences assigned
13076 (99.3%) exact matches, in which:
12954 unique CDR3
13 unique J



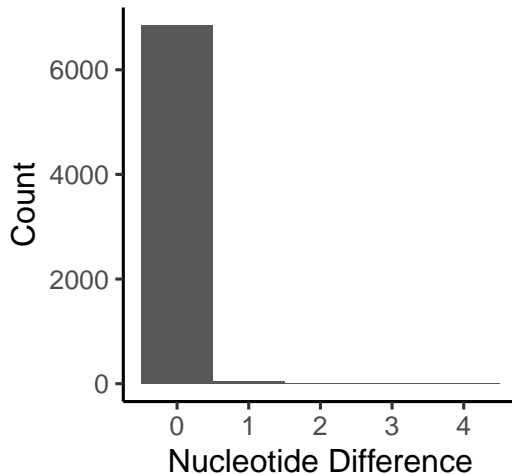
TRBV23-1*ap01

2142 sequences assigned
2126 (99.3%) exact matches, in which:
2115 unique CDR3
13 unique J



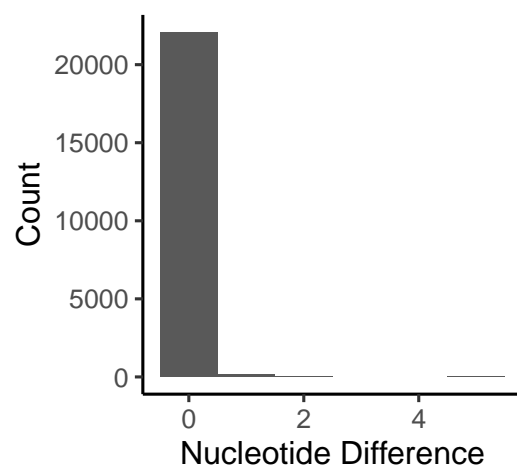
TRBV24-1*ap01

6900 sequences assigned
6848 (99.2%) exact matches, in which:
6755 unique CDR3
13 unique J



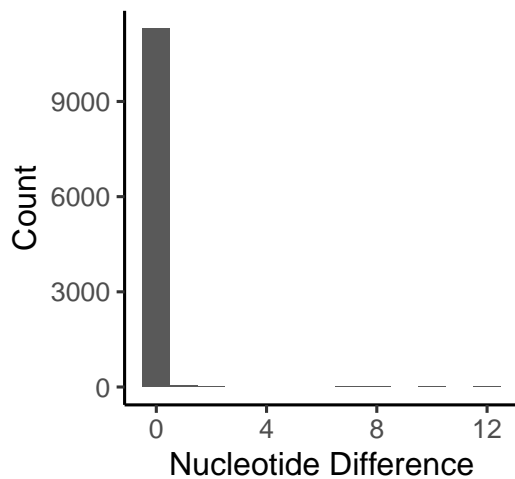
TRBV5-1*ap01

22240 sequences assigned
22082 (99.3%) exact matches, in which:
21784 unique CDR3
13 unique J



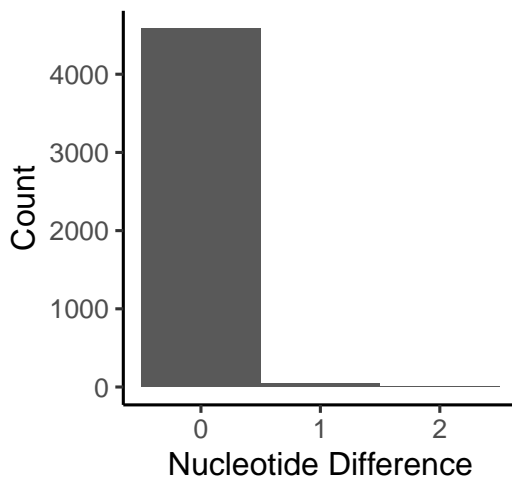
TRBV3-12*ap01

11351 sequences assigned
11293 (99.5%) exact matches, in which:
11247 unique CDR3
13 unique J



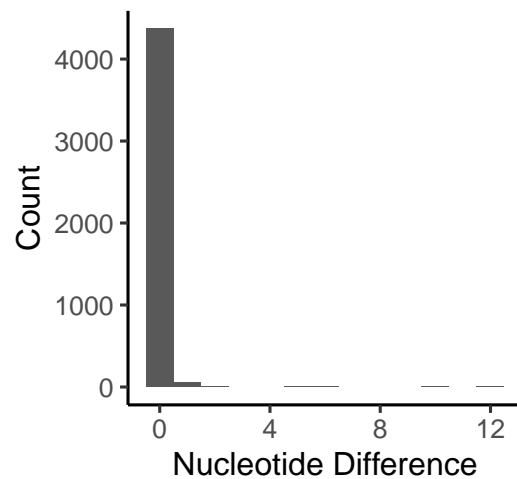
TRBV4-2*ap01

4632 sequences assigned
4582 (98.9%) exact matches, in which:
4519 unique CDR3
13 unique J



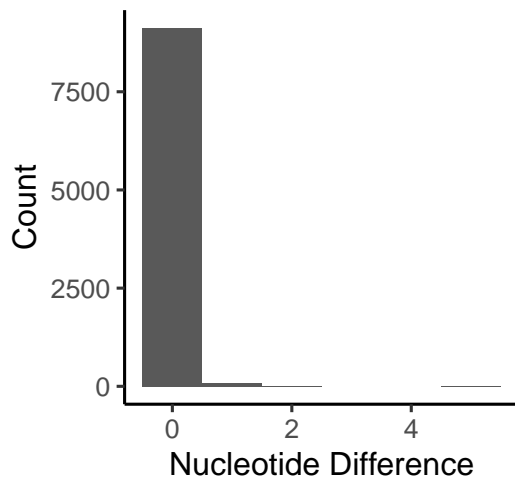
TRBV25-1*ap01

4433 sequences assigned
4370 (98.6%) exact matches, in which:
4273 unique CDR3
13 unique J



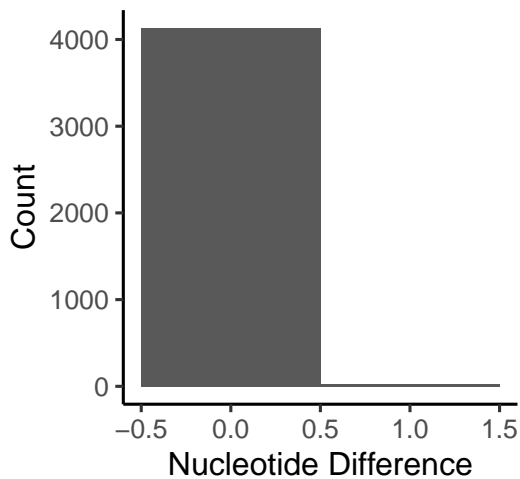
TRBV4-1*ap01

9201 sequences assigned
9122 (99.1%) exact matches, in which:
8981 unique CDR3
13 unique J



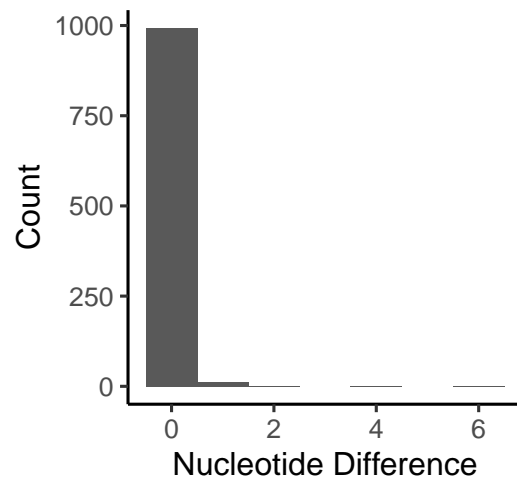
TRBV4-3*ap01

4158 sequences assigned
4132 (99.4%) exact matches, in which:
4075 unique CDR3
13 unique J



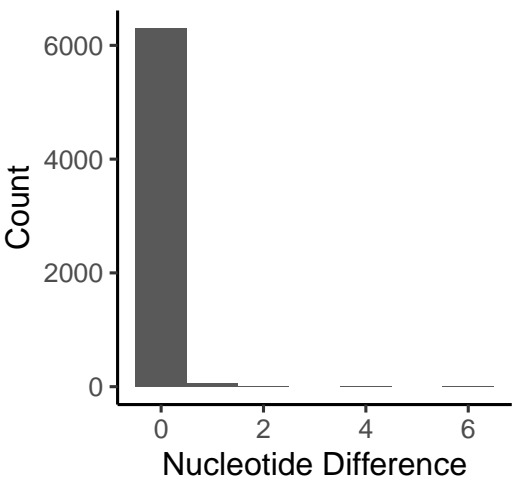
TRBV5-3*ap01

1008 sequences assigned
993 (98.5%) exact matches, in which:
987 unique CDR3
13 unique J



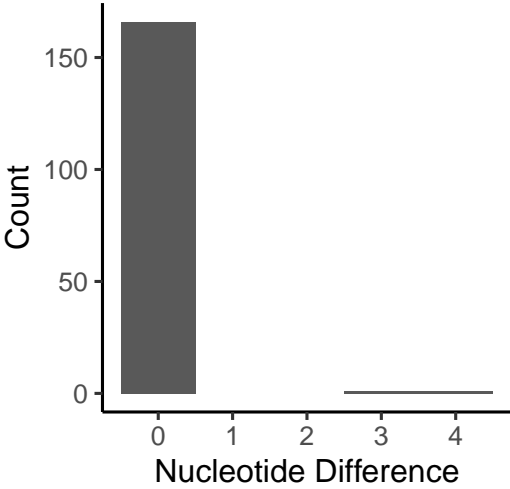
TRBV5-4*ap01

6363 sequences assigned
6298 (99%) exact matches, in which:
6214 unique CDR3
13 unique J



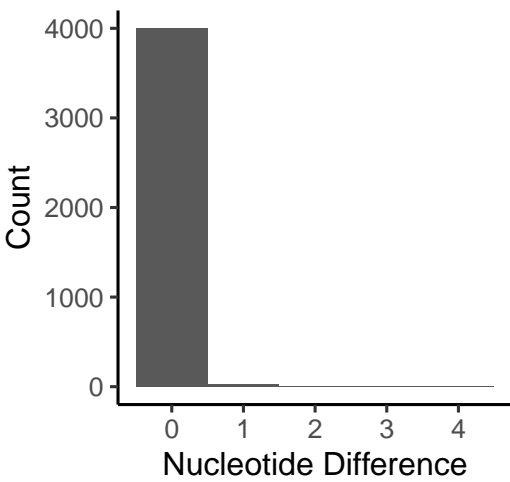
TRBV5-7*ap01

168 sequences assigned
166 (98.8%) exact matches, in which:
159 unique CDR3
13 unique J



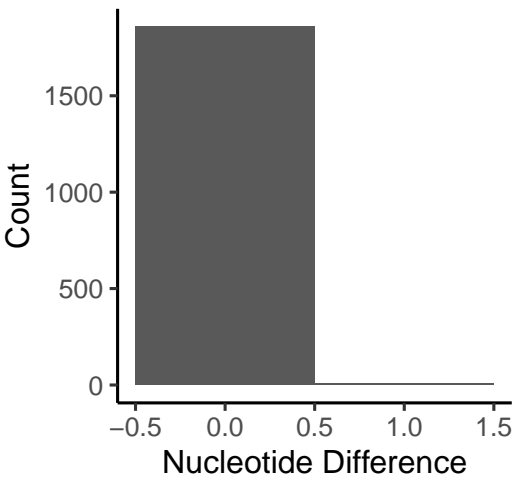
TRBV6-4*ap01

4035 sequences assigned
3999 (99.1%) exact matches, in which:
3968 unique CDR3
13 unique J



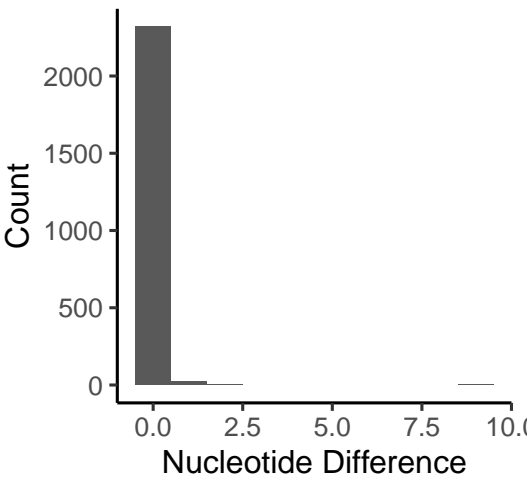
TRBV5-5*ap01

1866 sequences assigned
1858 (99.6%) exact matches, in which:
1851 unique CDR3
13 unique J



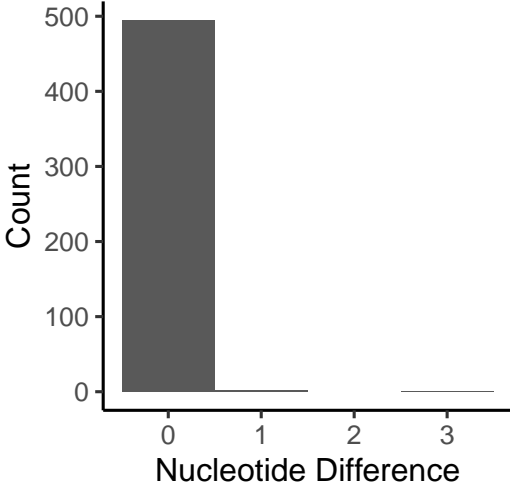
TRBV5-8*ap01

2344 sequences assigned
2319 (98.9%) exact matches, in which:
2293 unique CDR3
13 unique J



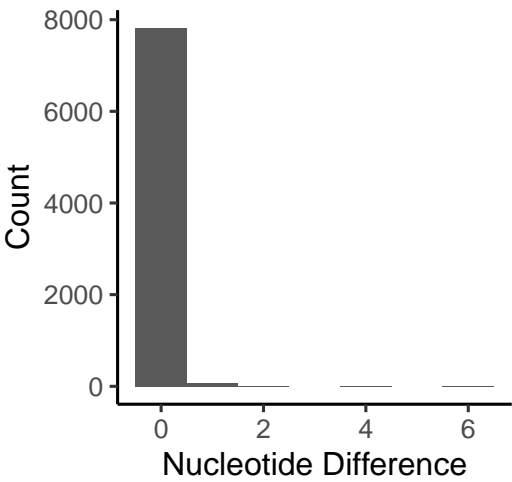
TRBV6-7*ap01

498 sequences assigned
495 (99.4%) exact matches, in which:
486 unique CDR3
13 unique J



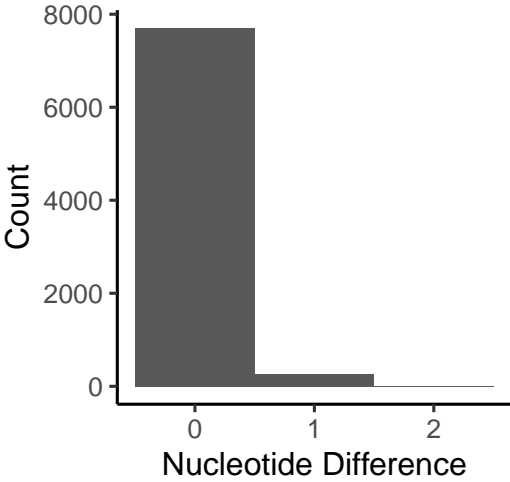
TRBV5-6*ap01

7893 sequences assigned
7817 (99%) exact matches, in which:
7642 unique CDR3
13 unique J



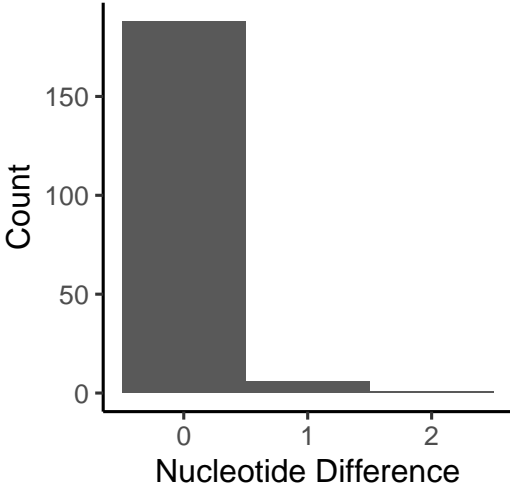
TRBV6-1*ap01

7967 sequences assigned
7703 (96.7%) exact matches, in which:
7581 unique CDR3
13 unique J



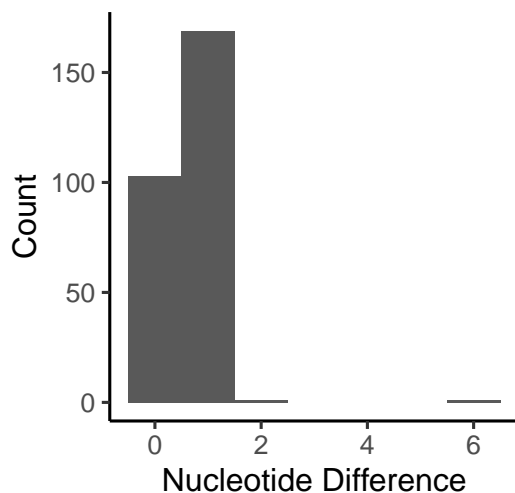
TRBV6-8*ap01

195 sequences assigned
188 (96.4%) exact matches, in which:
187 unique CDR3
13 unique J



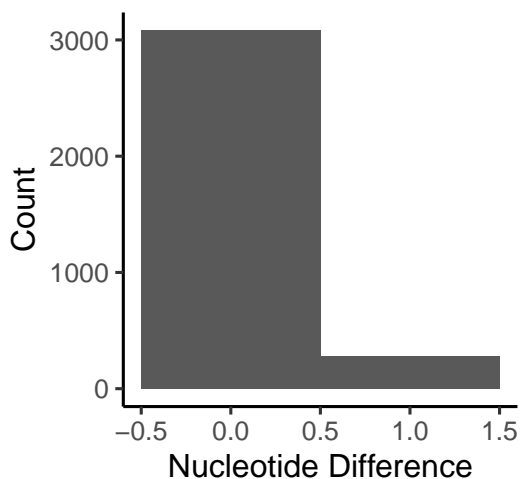
TRBV6-9*ap01

274 sequences assigned
103 (37.6%) exact matches, in which:
102 unique CDR3
12 unique J



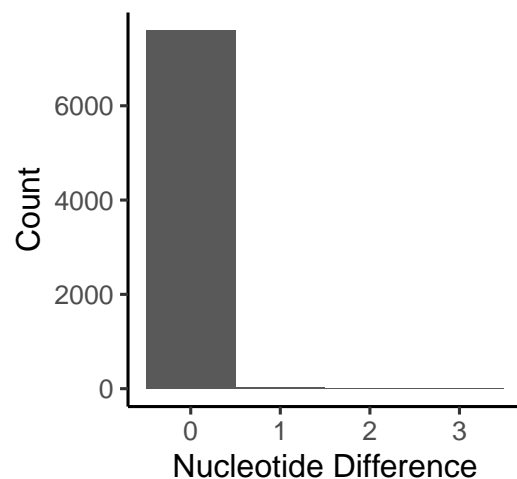
TRBV6-56*ap02

3361 sequences assigned
3082 (91.7%) exact matches, in which:
3030 unique CDR3
13 unique J



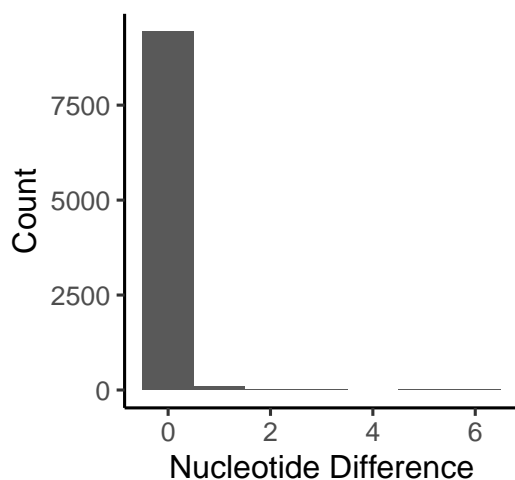
TRBV7-3*ap01

7638 sequences assigned
7598 (99.5%) exact matches, in which:
7555 unique CDR3
13 unique J



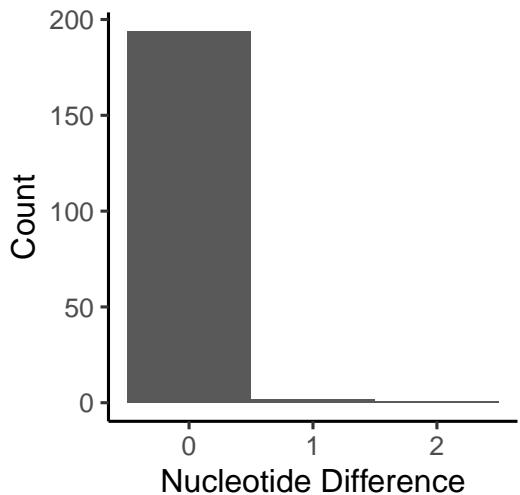
TRBV6-23*ap01

9525 sequences assigned
9433 (99%) exact matches, in which:
9235 unique CDR3
13 unique J



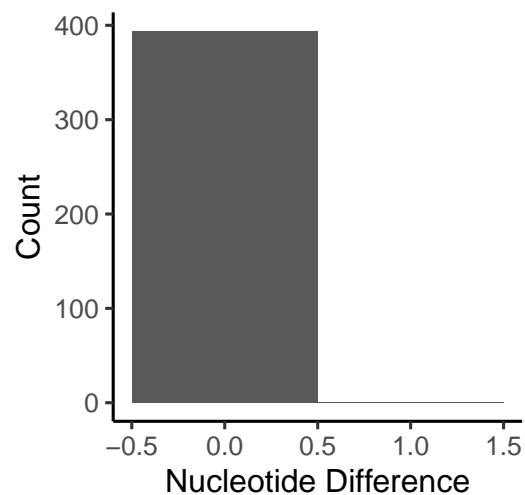
TRBV7-1*ap01_G291C_

197 sequences assigned
194 (98.5%) exact matches, in which:
193 unique CDR3
13 unique J



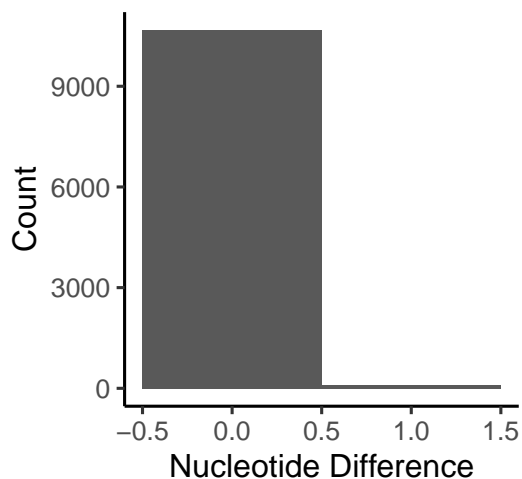
TRBV7-4*ap01

395 sequences assigned
394 (99.7%) exact matches, in which:
386 unique CDR3
13 unique J



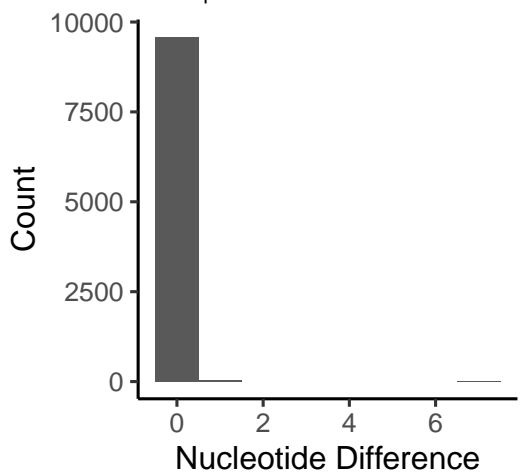
TRBV6-56*ap01

10769 sequences assigned
10675 (99.1%) exact matches, in which:
10489 unique CDR3
13 unique J



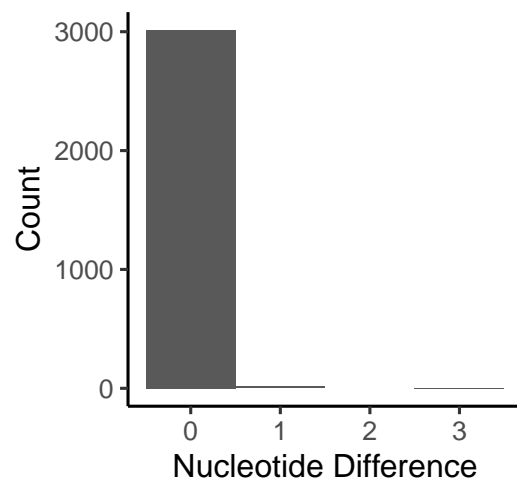
TRBV7-2*ap01

9631 sequences assigned
9589 (99.6%) exact matches, in which:
9513 unique CDR3
13 unique J



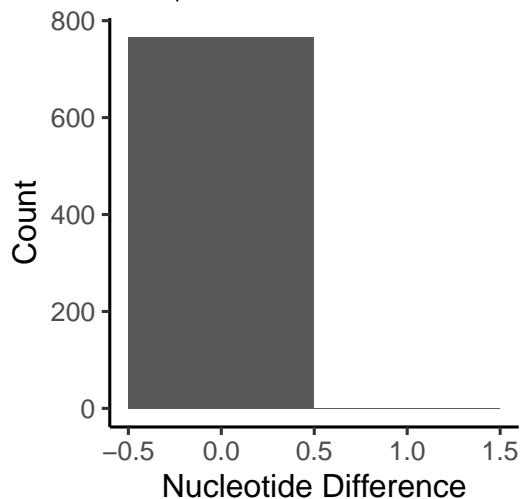
TRBV7-6*ap01

3031 sequences assigned
3014 (99.4%) exact matches, in which:
2977 unique CDR3
13 unique J



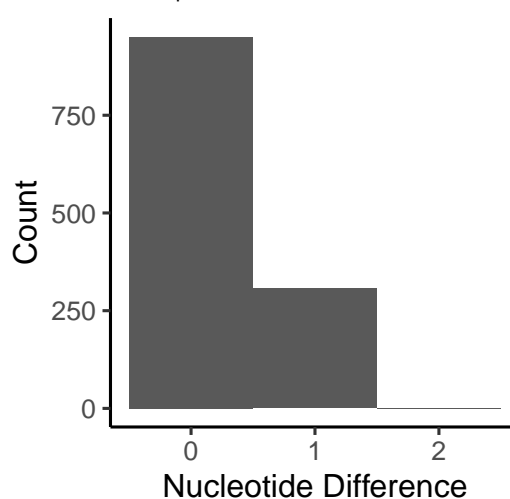
TRBV7-7*ap01

768 sequences assigned
767 (99.9%) exact matches, in which:
763 unique CDR3
13 unique J



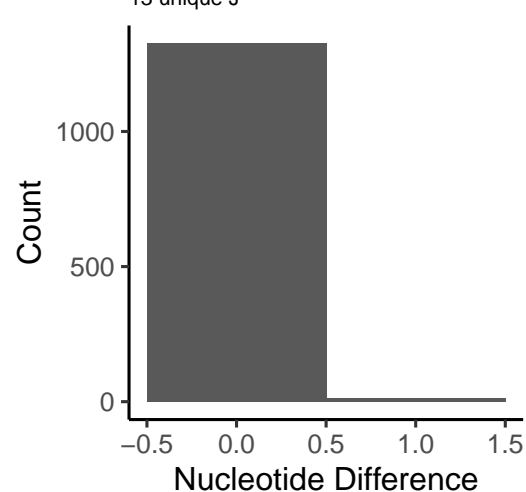
TRBV7-8*ap03

1259 sequences assigned
951 (75.5%) exact matches, in which:
939 unique CDR3
13 unique J



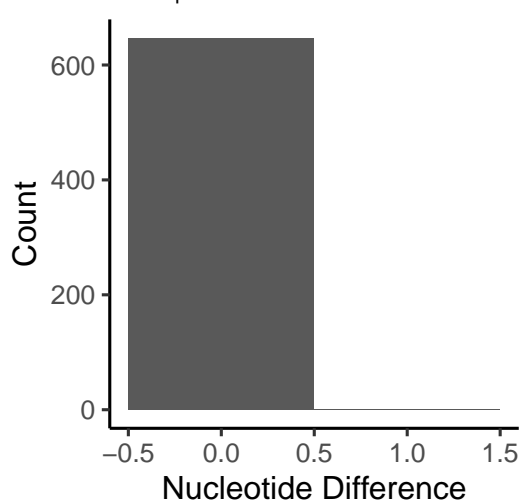
TRBV29-1*ap02

1338 sequences assigned
1326 (99.1%) exact matches, in which:
1294 unique CDR3
13 unique J



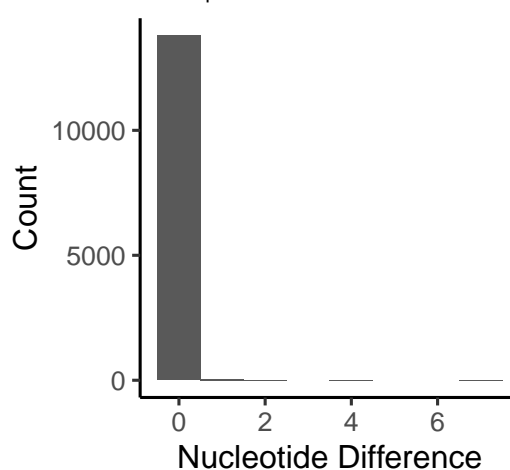
TRBV7-7*ap01_C315T

648 sequences assigned
647 (99.8%) exact matches, in which:
645 unique CDR3
13 unique J



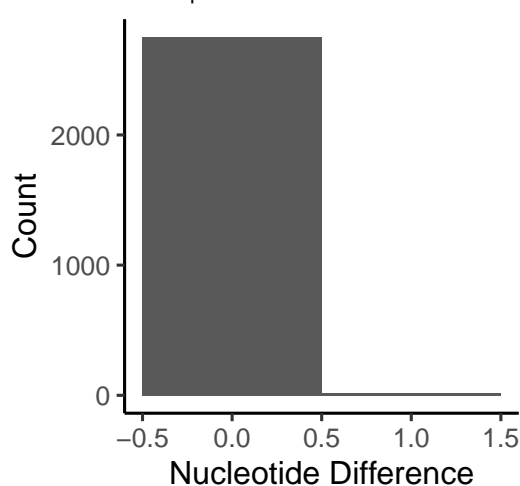
TRBV7-9*ap01

13858 sequences assigned
13795 (99.5%) exact matches, in which:
13692 unique CDR3
13 unique J



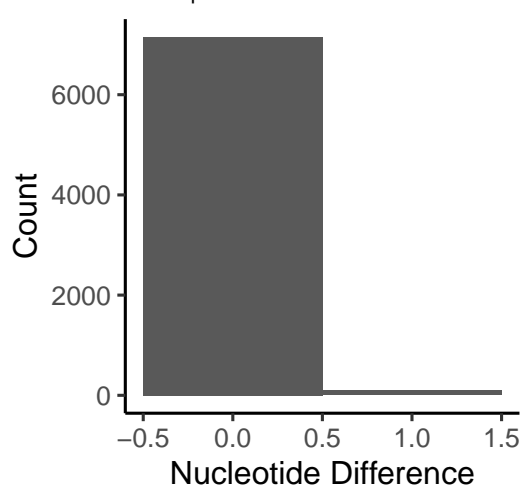
TRBV7-8*ap01

2771 sequences assigned
2752 (99.3%) exact matches, in which:
2733 unique CDR3
13 unique J

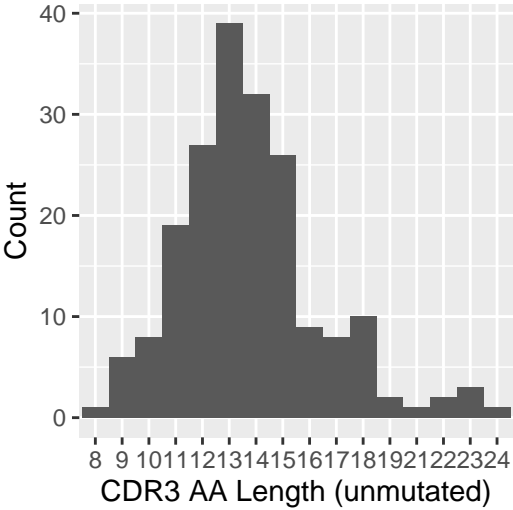


TRBV29-1*ap01

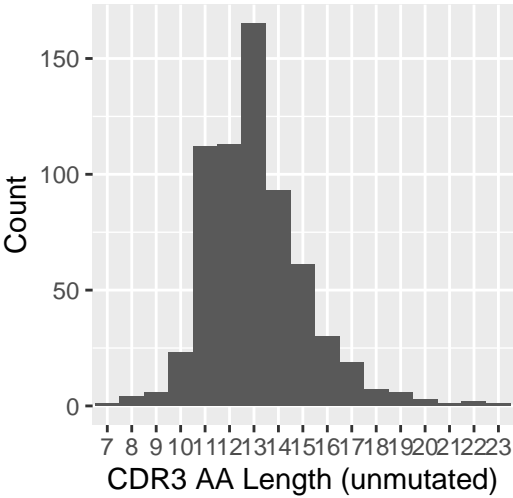
7244 sequences assigned
7151 (98.7%) exact matches, in which:
6988 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]