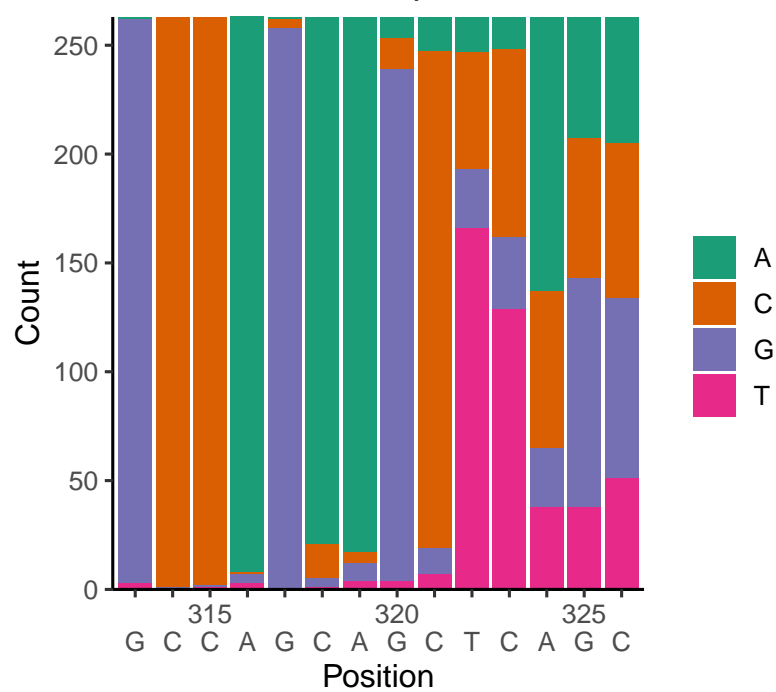
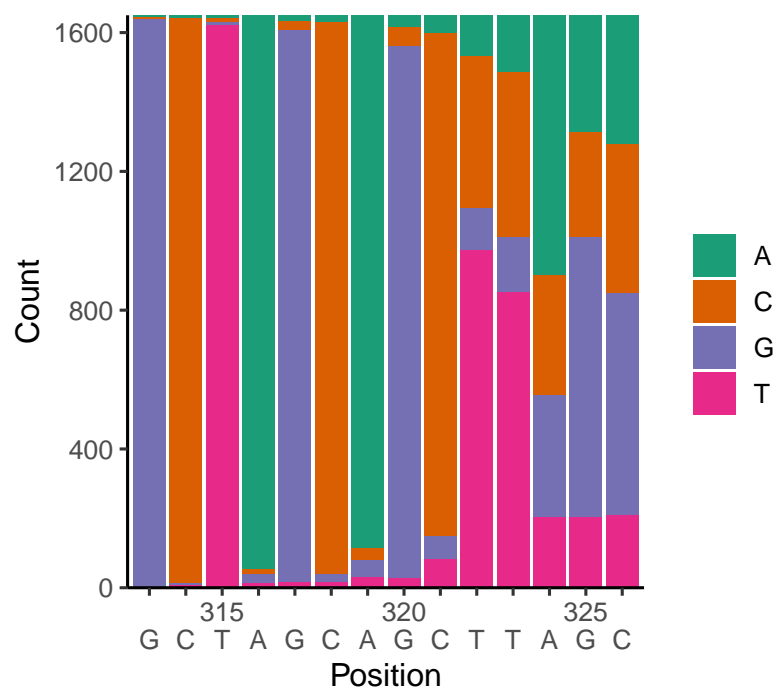


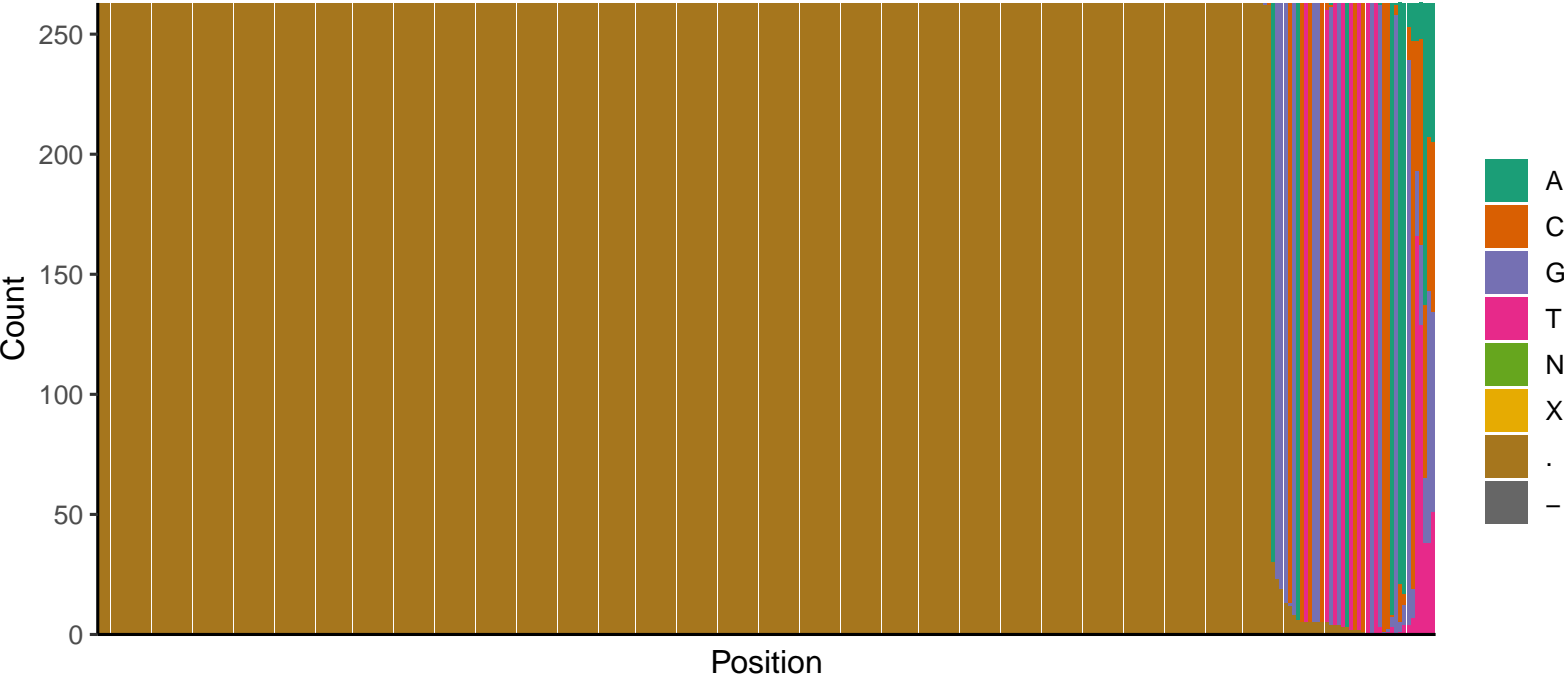
Gene TRBV7-1*ap01_G291C_T296C



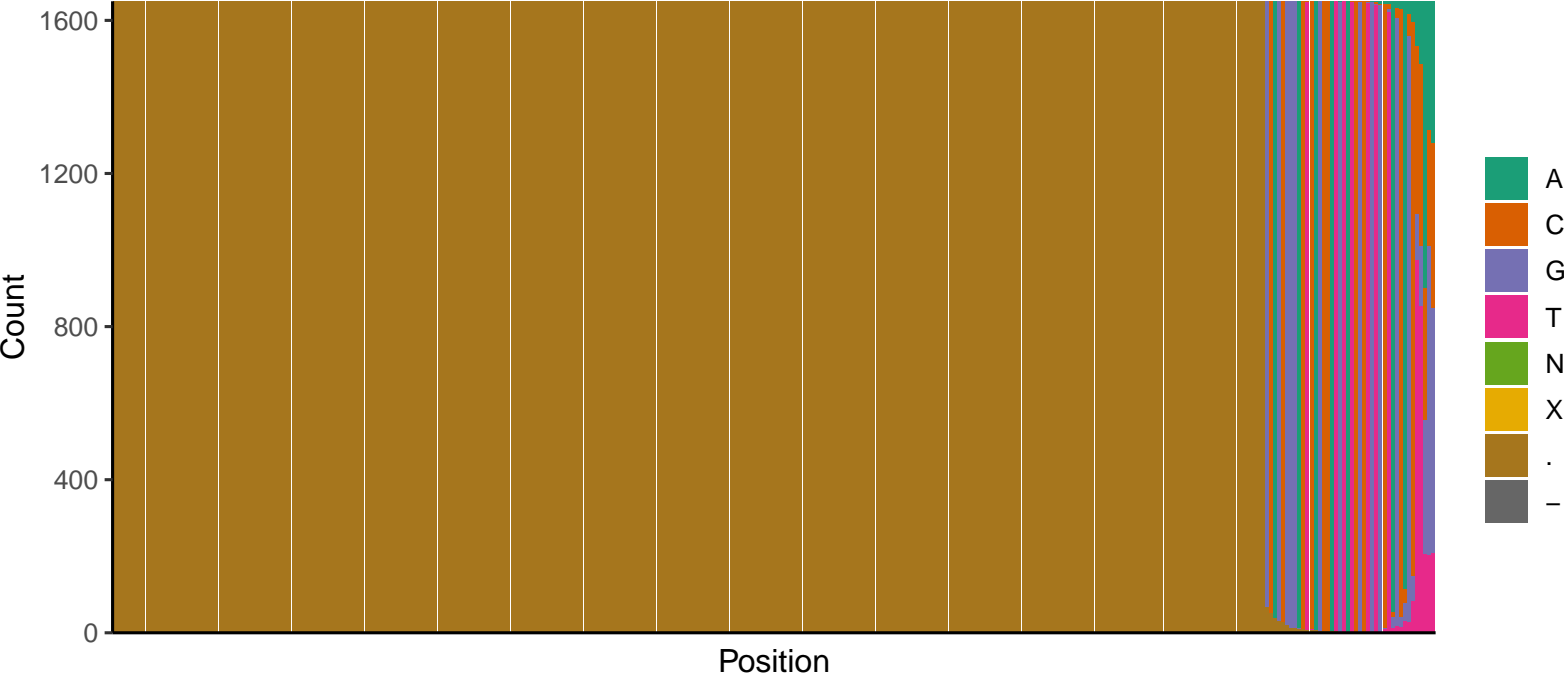
Gene TRBV7-7*ap01_C315T



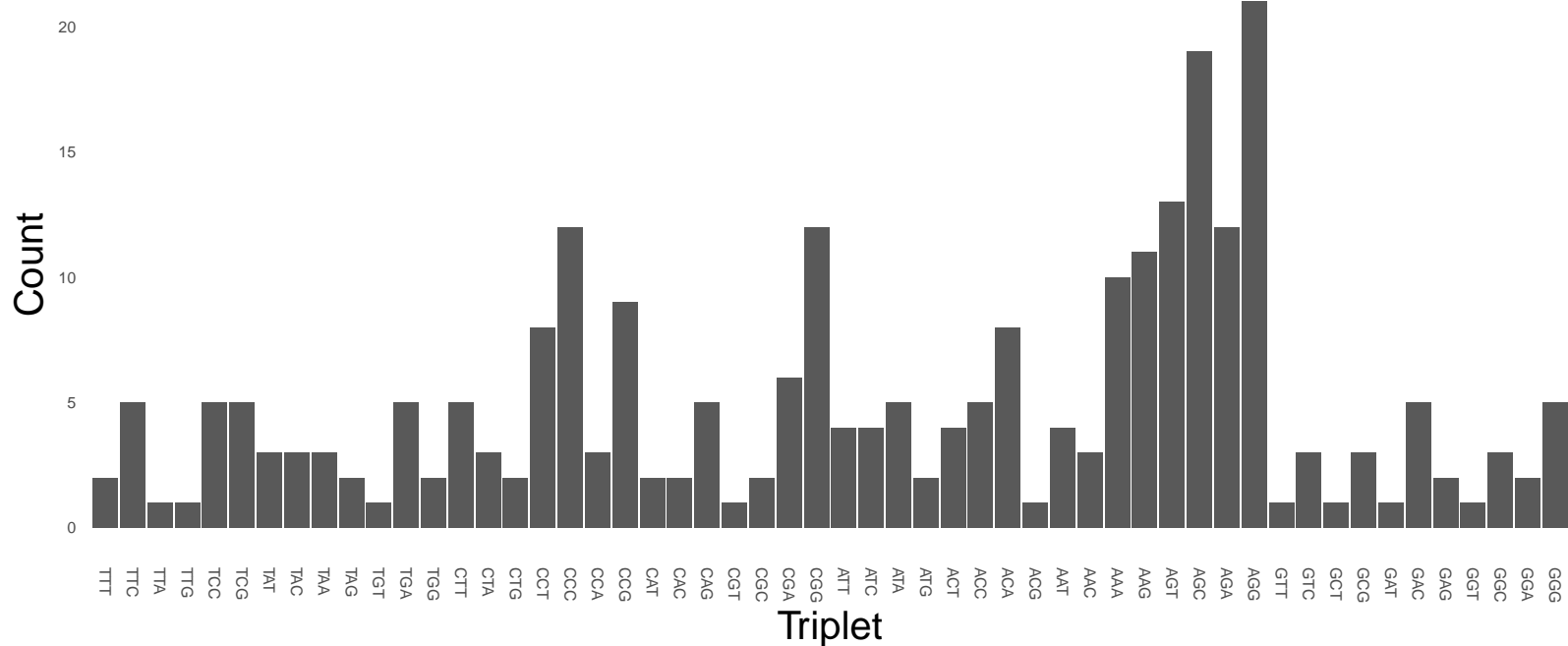
Gene TRBV7-1*ap01_G291C_T296C



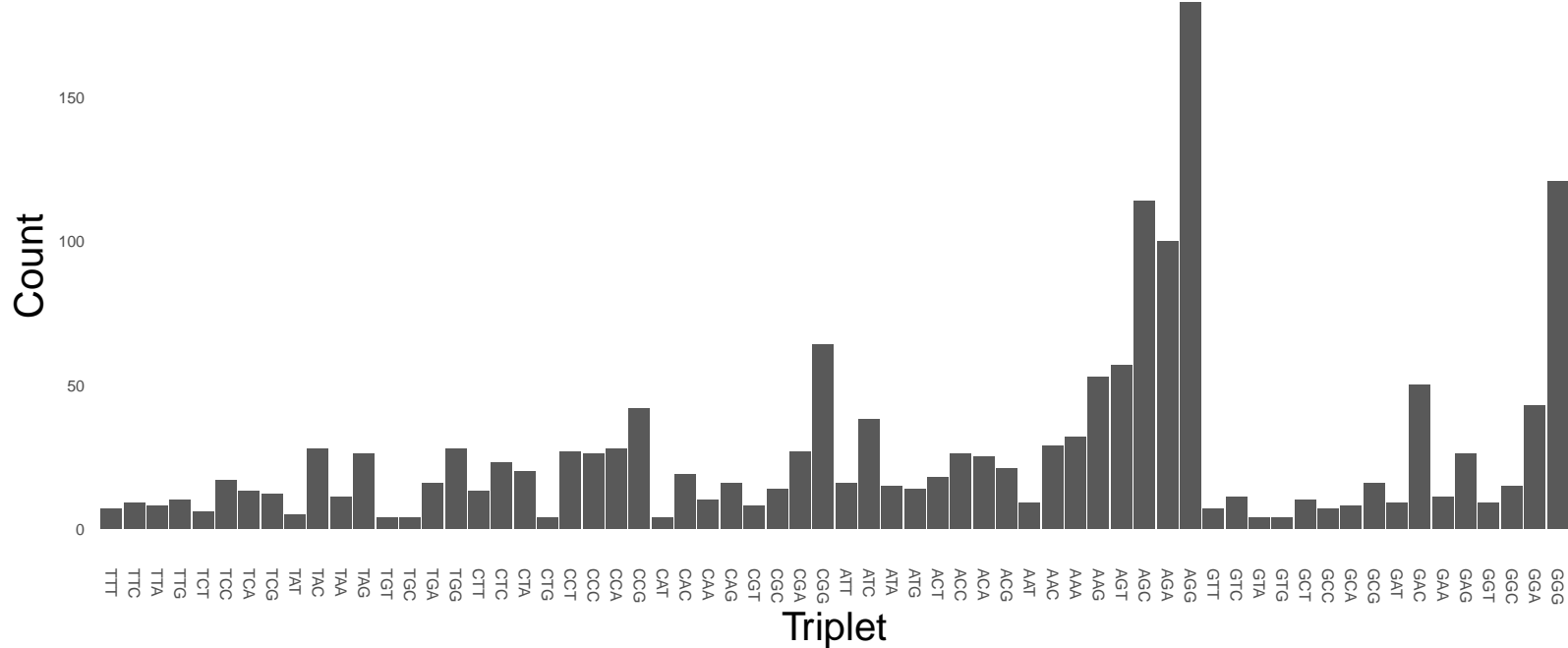
Gene TRBV7-7*ap01_C315T



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

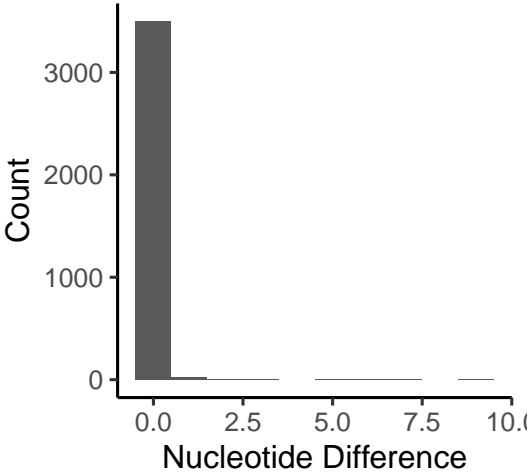


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



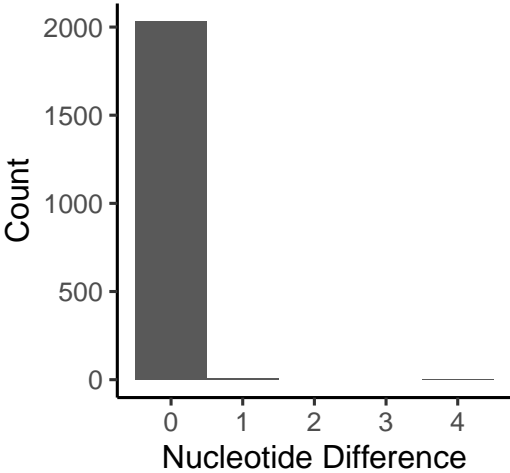
TRBV10-1*ap01

3533 sequences assigned
3498 (99%) exact matches, in which:
3442 unique CDR3
13 unique J



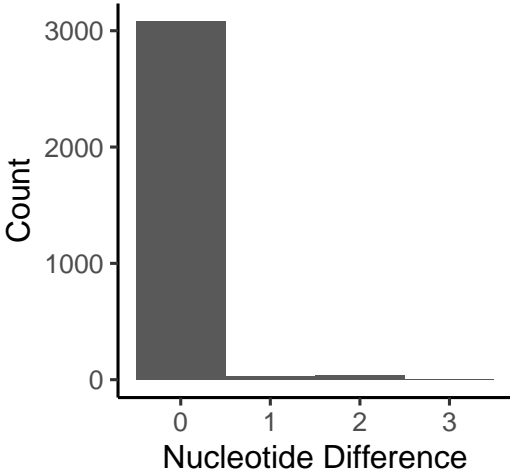
TRBV10-2*ap01

2044 sequences assigned
2032 (99.4%) exact matches, in which:
2005 unique CDR3
13 unique J



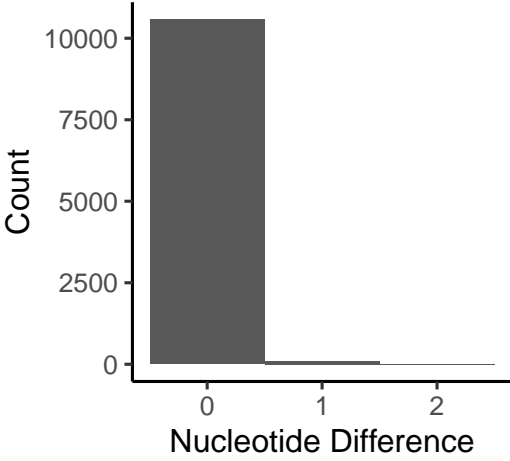
TRBV13*ap01

3147 sequences assigned
3080 (97.9%) exact matches, in which:
2995 unique CDR3
13 unique J



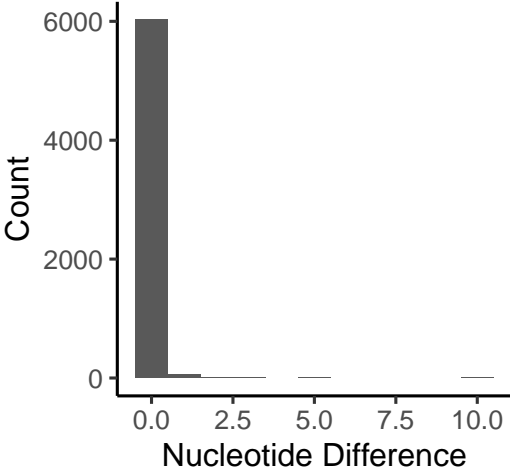
TRBV20-1*ap01

10676 sequences assigned
10576 (99.1%) exact matches, in which:
10470 unique CDR3
13 unique J



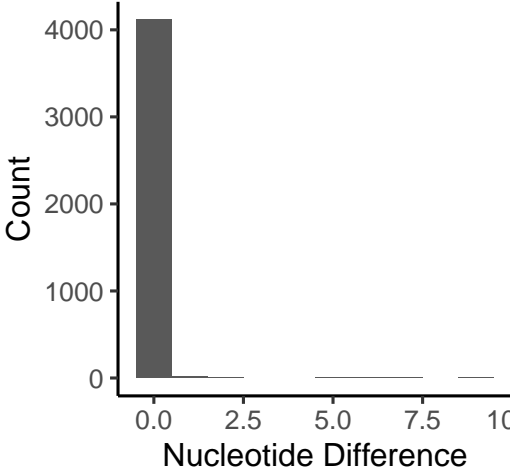
TRBV10-3*ap01

6092 sequences assigned
6027 (98.9%) exact matches, in which:
5952 unique CDR3
13 unique J



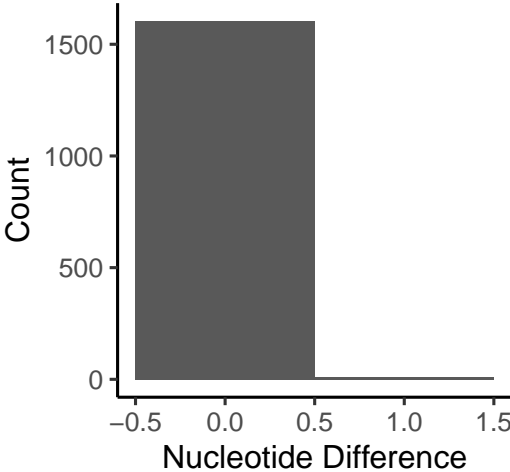
TRBV14*ap01

4149 sequences assigned
4116 (99.2%) exact matches, in which:
4092 unique CDR3
13 unique J



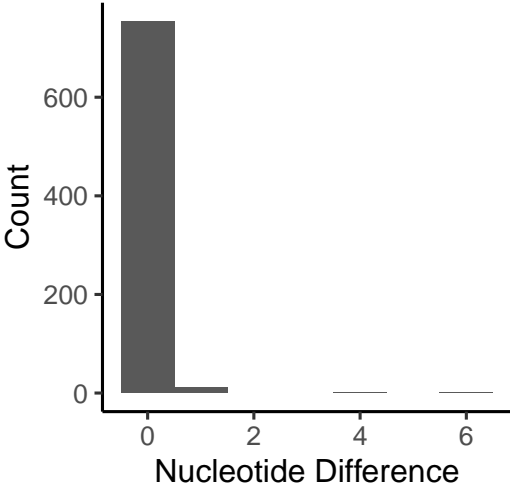
TRBV20-1*ap02

1614 sequences assigned
1604 (99.4%) exact matches, in which:
1588 unique CDR3
13 unique J



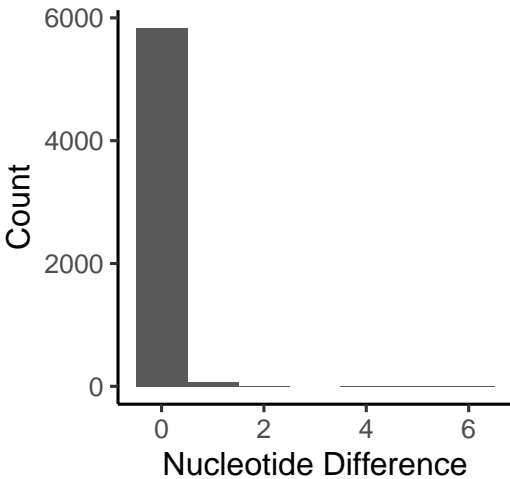
TRBV1*ap01

767 sequences assigned
754 (98.3%) exact matches, in which:
737 unique CDR3
13 unique J



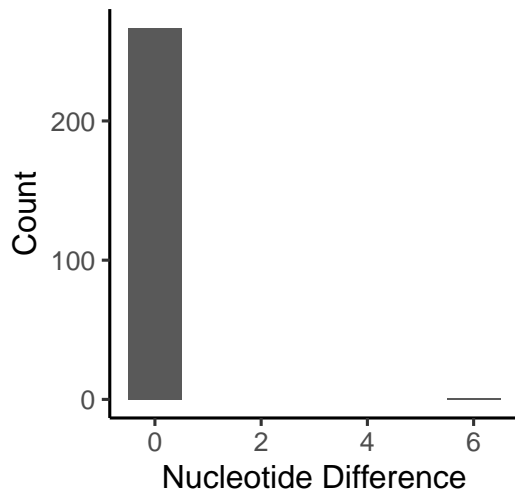
TRBV15*ap02

5905 sequences assigned
5834 (98.8%) exact matches, in which:
5723 unique CDR3
13 unique J



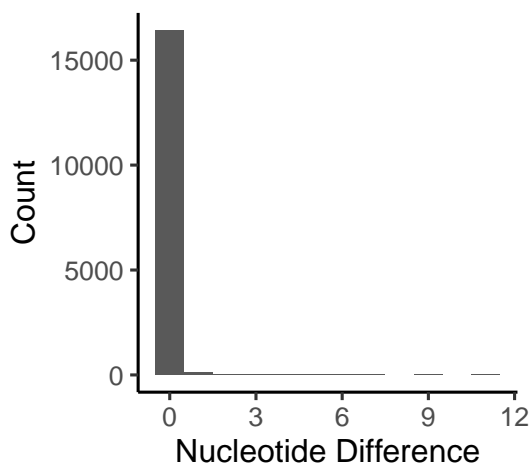
TRBV16*ap01

268 sequences assigned
267 (99.6%) exact matches, in which:
265 unique CDR3
13 unique J



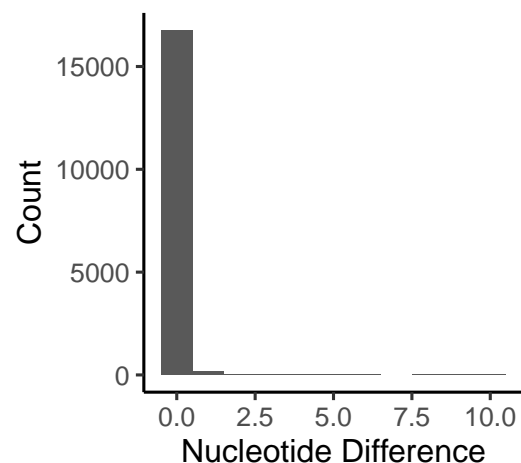
TRBV19*ap01

16588 sequences assigned
16431 (99.1%) exact matches, in which:
16353 unique CDR3
14 unique J



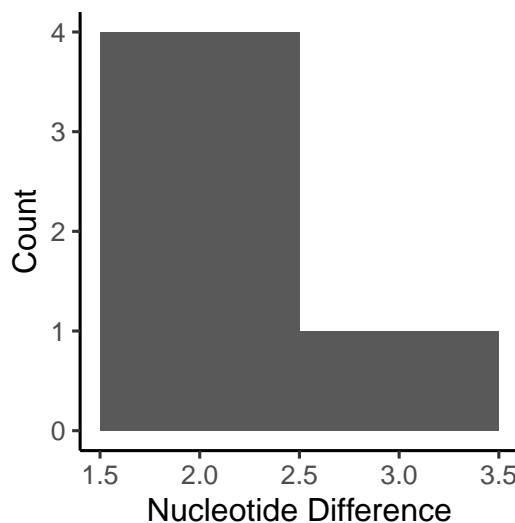
TRBV27*ap01

16956 sequences assigned
16768 (98.9%) exact matches, in which:
16461 unique CDR3
13 unique J



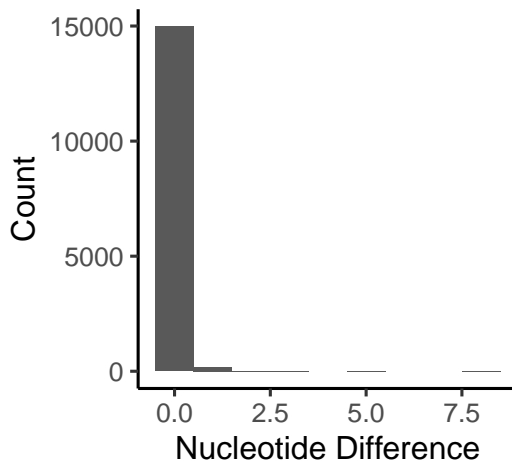
TRBV17*ap01

5 sequences assigned
No exact matches.



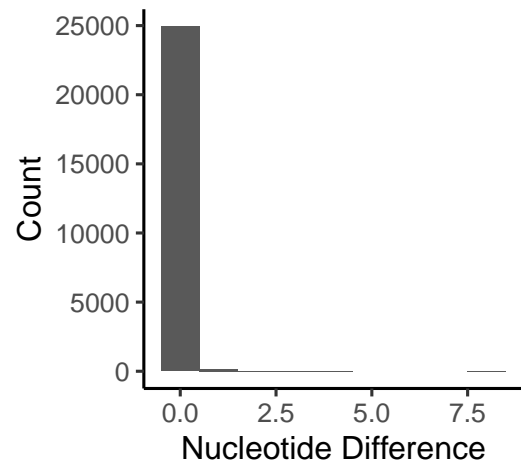
TRBV2*ap01

15186 sequences assigned
14981 (98.7%) exact matches, in which:
14711 unique CDR3
13 unique J



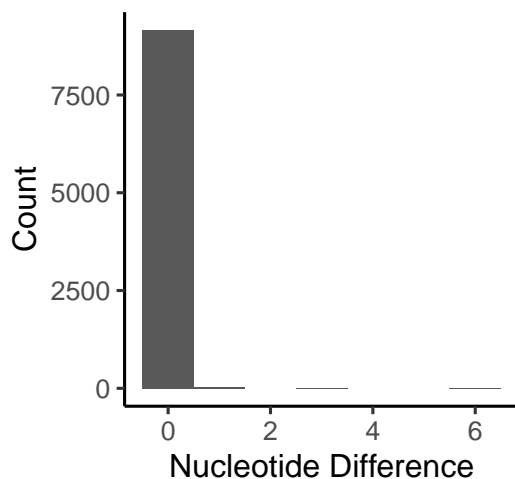
TRBV28*ap01

25124 sequences assigned
24936 (99.3%) exact matches, in which:
24704 unique CDR3
14 unique J



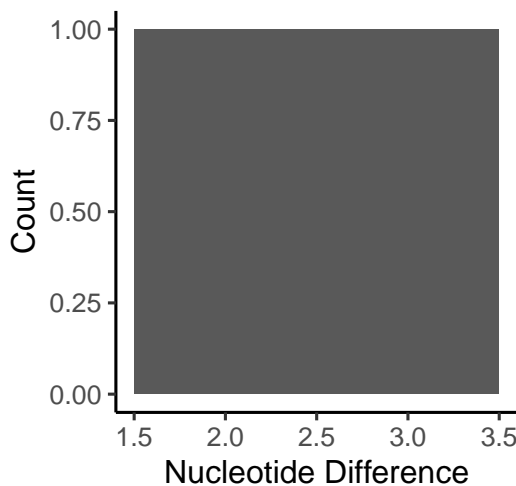
TRBV18*ap01

9200 sequences assigned
9160 (99.6%) exact matches, in which:
9113 unique CDR3
13 unique J



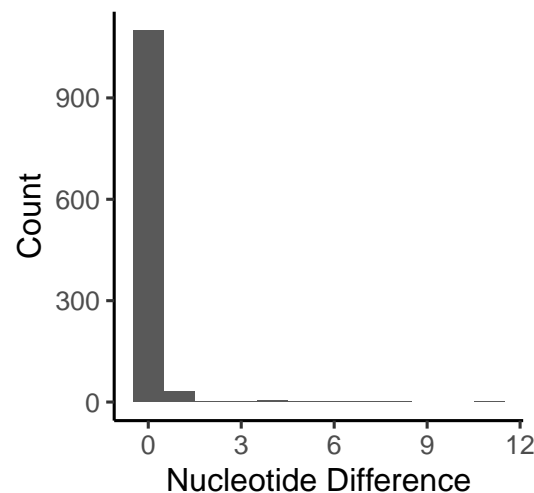
TRBV26*ap01

2 sequences assigned
No exact matches.



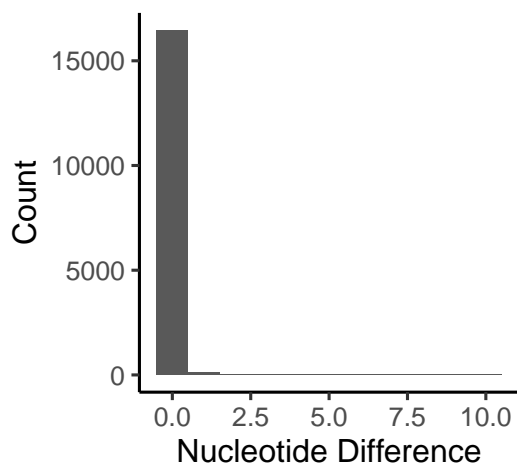
TRBV30*ap02

1143 sequences assigned
1100 (96.2%) exact matches, in which:
1079 unique CDR3
13 unique J



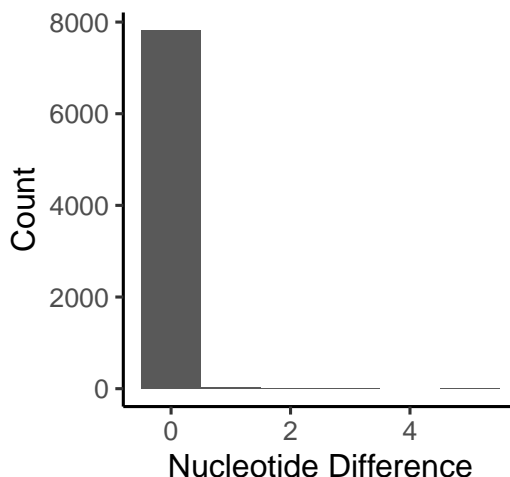
TRBV9*ap01

16610 sequences assigned
16463 (99.1%) exact matches, in which:
16301 unique CDR3
13 unique J



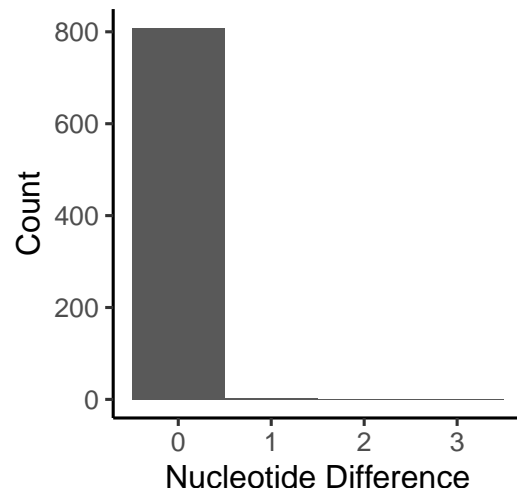
TRBV11-2*ap01

7860 sequences assigned
7818 (99.5%) exact matches, in which:
7771 unique CDR3
13 unique J



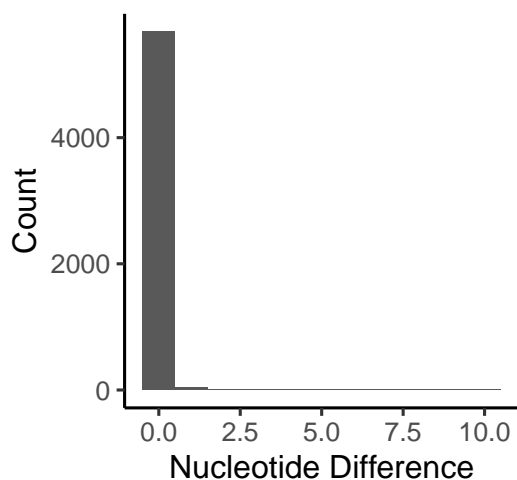
TRBV12-2*ap01

814 sequences assigned
809 (99.4%) exact matches, in which:
798 unique CDR3
13 unique J



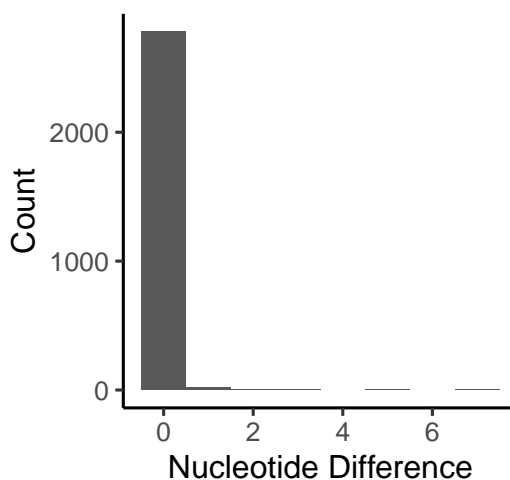
TRBV21-1*ap01

5773 sequences assigned
5679 (98.4%) exact matches, in which:
5641 unique CDR3
14 unique J



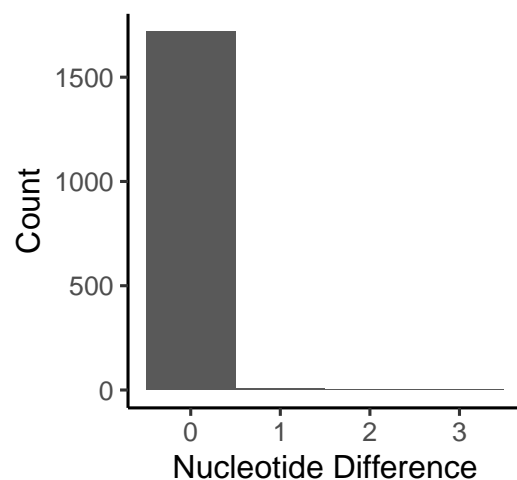
TRBV11-3*ap01

2802 sequences assigned
2780 (99.2%) exact matches, in which:
2765 unique CDR3
13 unique J



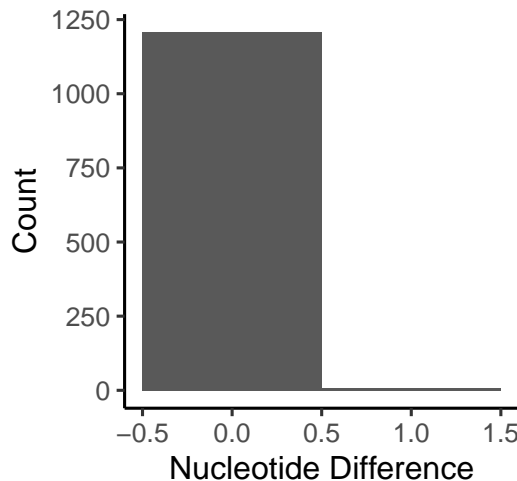
TRBV12-5*ap01

1729 sequences assigned
1718 (99.4%) exact matches, in which:
1697 unique CDR3
13 unique J



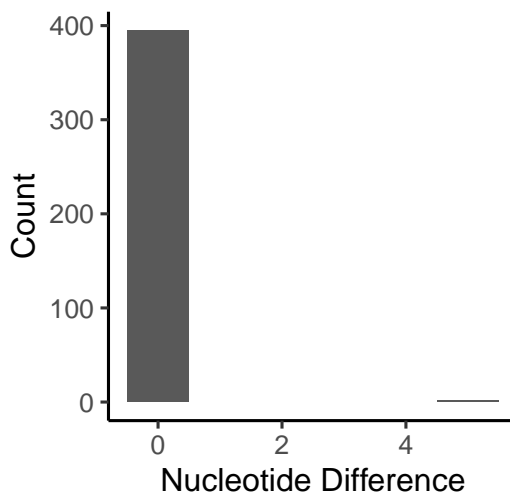
TRBV11-1*ap01

1216 sequences assigned
1208 (99.3%) exact matches, in which:
1194 unique CDR3
13 unique J



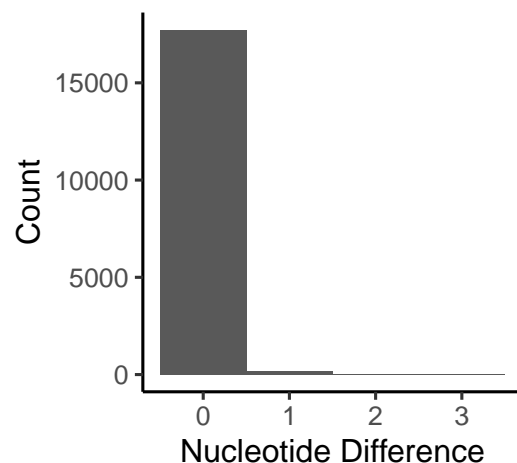
TRBV12-1*ap01

397 sequences assigned
395 (99.5%) exact matches, in which:
394 unique CDR3
13 unique J



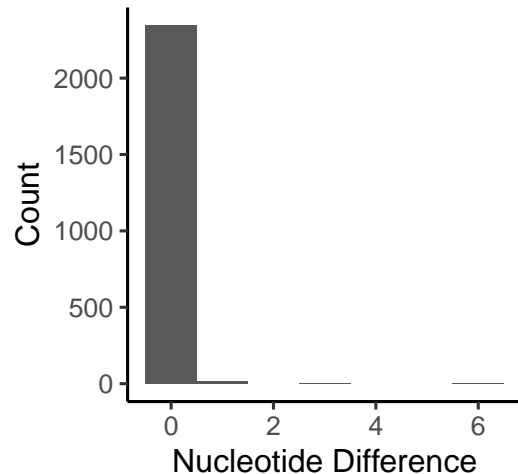
TRBV12-34*ap01

17894 sequences assigned
17727 (99.1%) exact matches, in which:
17471 unique CDR3
13 unique J



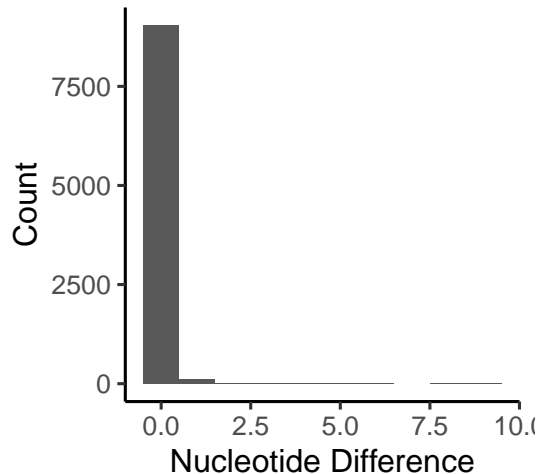
TRBV23-1*ap01

2367 sequences assigned
2345 (99.1%) exact matches, in which:
2323 unique CDR3
13 unique J



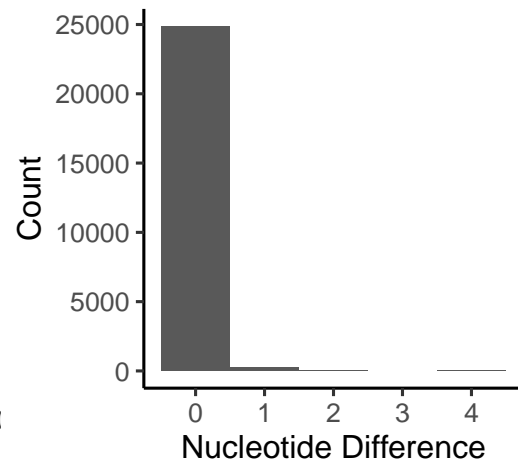
TRBV24-1*ap01

9163 sequences assigned
9038 (98.6%) exact matches, in which:
8873 unique CDR3
13 unique J



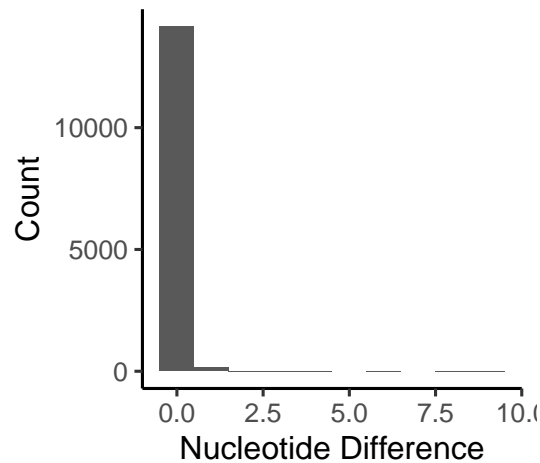
TRBV5-1*ap01

25153 sequences assigned
24881 (98.9%) exact matches, in which:
24406 unique CDR3
13 unique J



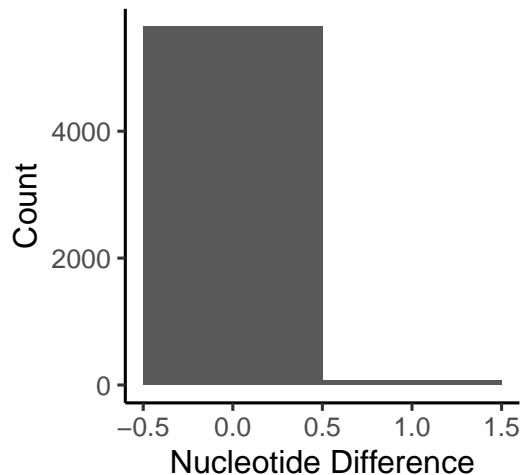
TRBV3-12*ap01

14327 sequences assigned
14154 (98.8%) exact matches, in which:
13929 unique CDR3
13 unique J



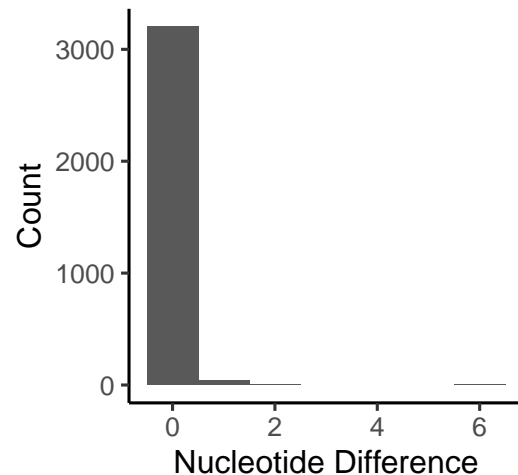
TRBV4-2*ap01

5719 sequences assigned
5647 (98.7%) exact matches, in which:
5551 unique CDR3
13 unique J



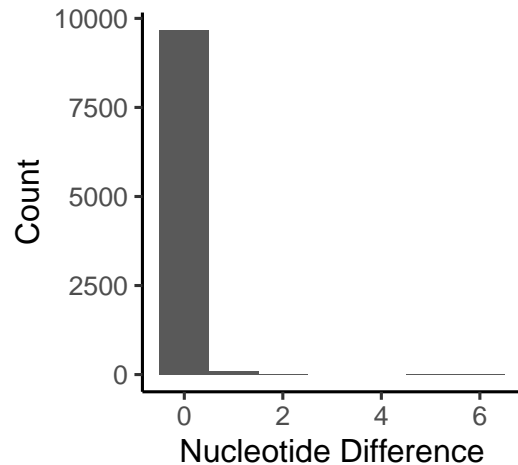
TRBV25-1*ap01

3247 sequences assigned
3202 (98.6%) exact matches, in which:
3137 unique CDR3
13 unique J



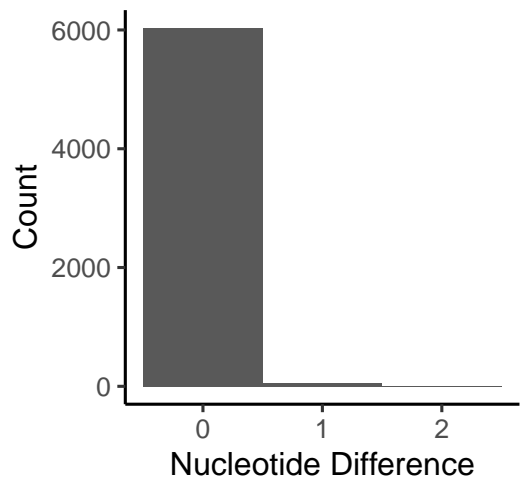
TRBV4-1*ap01

9783 sequences assigned
9680 (98.9%) exact matches, in which:
9498 unique CDR3
13 unique J



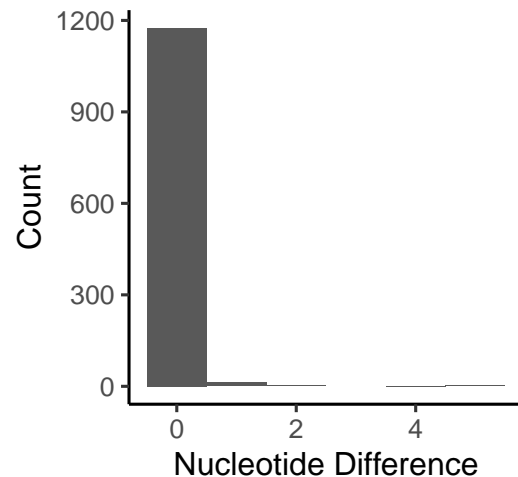
TRBV4-3*ap01

6087 sequences assigned
6032 (99.1%) exact matches, in which:
5939 unique CDR3
13 unique J



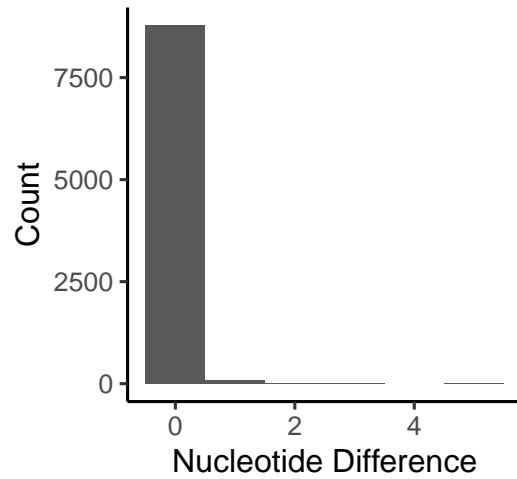
TRBV5-3*ap01

1196 sequences assigned
1175 (98.2%) exact matches, in which:
1161 unique CDR3
13 unique J



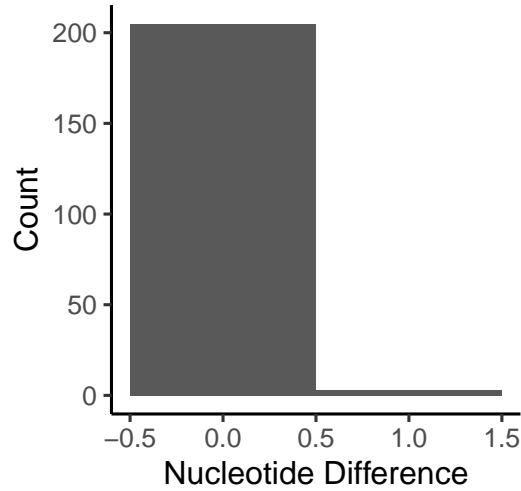
TRBV5-4*ap01

8868 sequences assigned
8779 (99%) exact matches, in which:
8655 unique CDR3
13 unique J



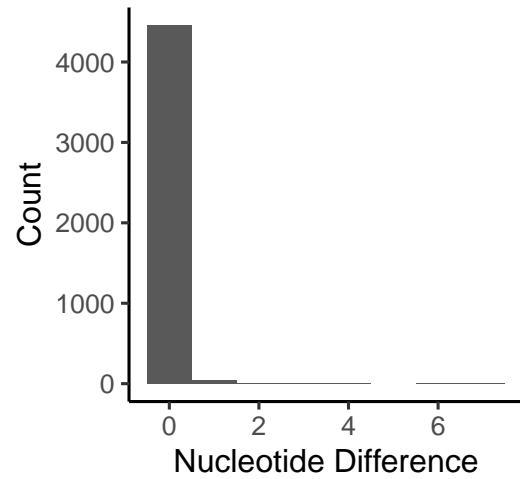
TRBV5-7*ap01

208 sequences assigned
205 (98.6%) exact matches, in which:
203 unique CDR3
13 unique J



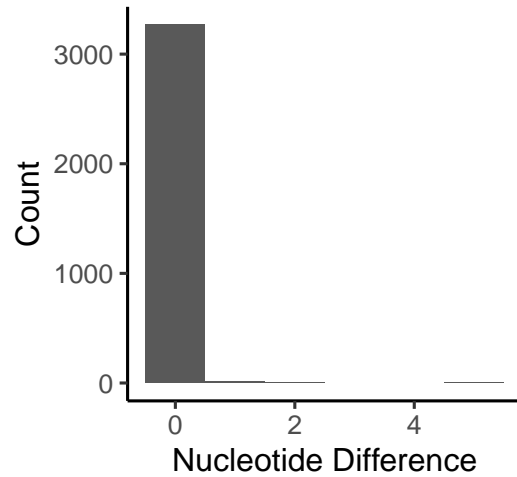
TRBV6-4*ap01

4528 sequences assigned
4455 (98.4%) exact matches, in which:
4410 unique CDR3
13 unique J



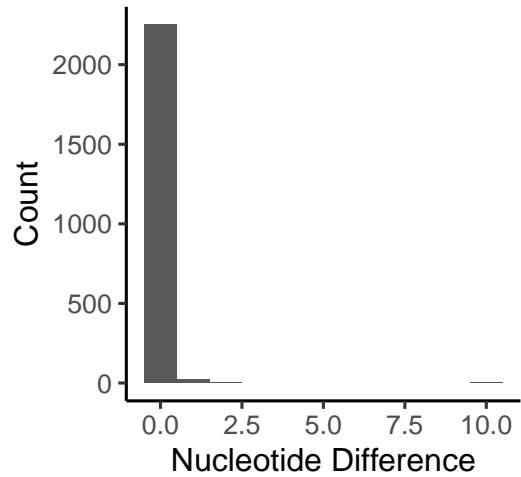
TRBV5-5*ap01

3281 sequences assigned
3268 (99.6%) exact matches, in which:
3255 unique CDR3
13 unique J



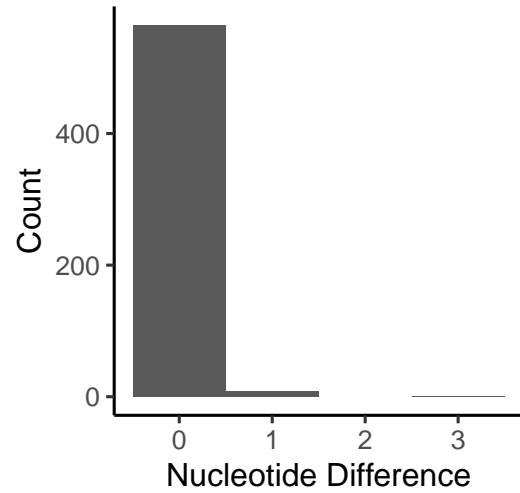
TRBV5-8*ap01

2279 sequences assigned
2251 (98.8%) exact matches, in which:
2223 unique CDR3
13 unique J



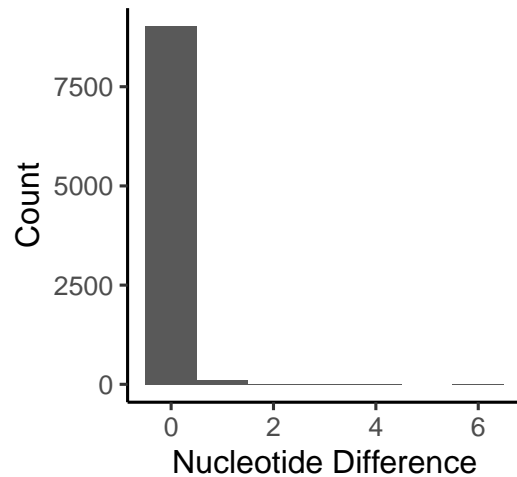
TRBV6-7*ap01

574 sequences assigned
565 (98.4%) exact matches, in which:
562 unique CDR3
13 unique J



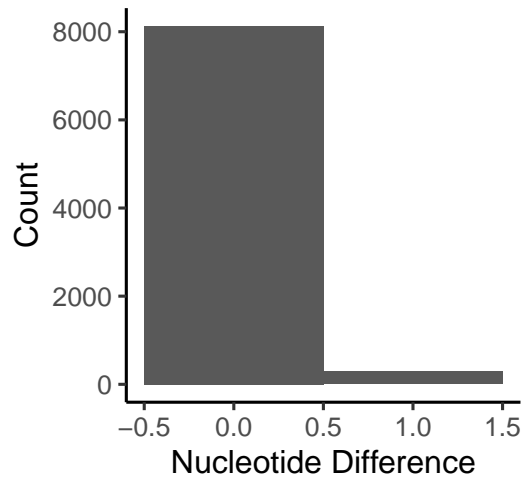
TRBV5-6*ap01

9142 sequences assigned
9029 (98.8%) exact matches, in which:
8758 unique CDR3
13 unique J



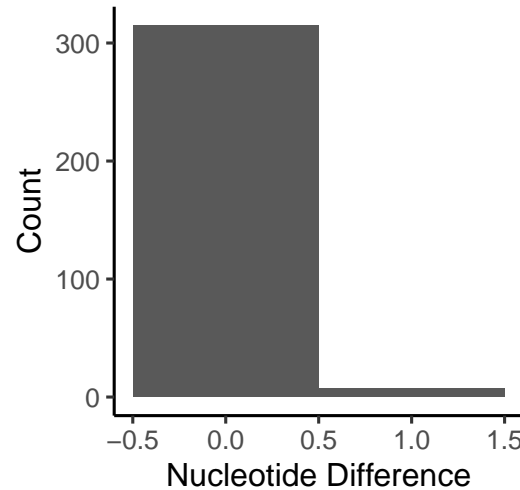
TRBV6-1*ap01

8418 sequences assigned
8129 (96.6%) exact matches, in which:
7981 unique CDR3
13 unique J



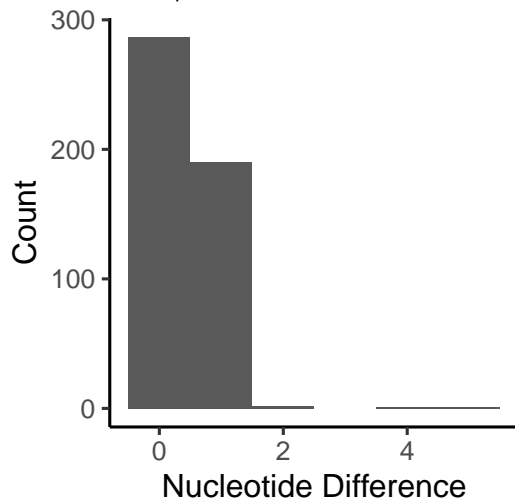
TRBV6-8*ap01

322 sequences assigned
315 (97.8%) exact matches, in which:
304 unique CDR3
13 unique J



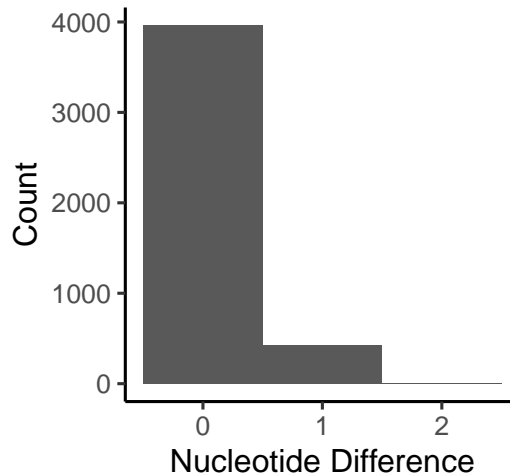
TRBV6-9*ap01

481 sequences assigned
287 (59.7%) exact matches, in which:
282 unique CDR3
13 unique J



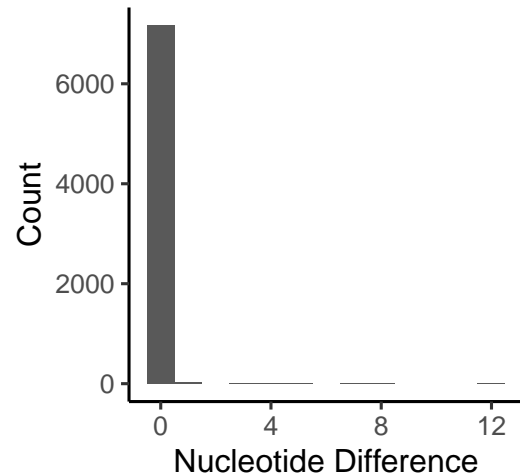
TRBV6-56*ap02

4396 sequences assigned
3962 (90.1%) exact matches, in which:
3858 unique CDR3
13 unique J



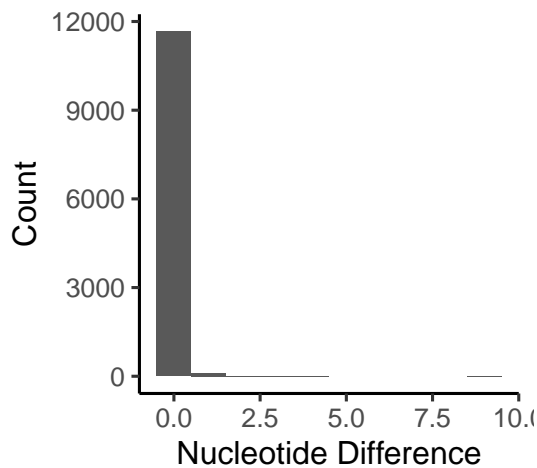
TRBV7-3*ap01

7213 sequences assigned
7168 (99.4%) exact matches, in which:
7114 unique CDR3
13 unique J



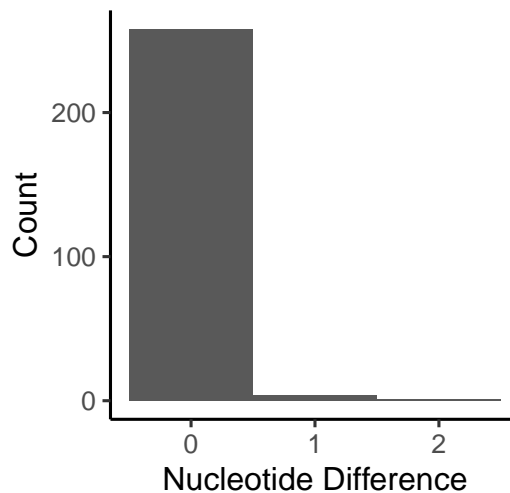
TRBV6-23*ap01

11789 sequences assigned
11663 (98.9%) exact matches, in which:
11388 unique CDR3
13 unique J



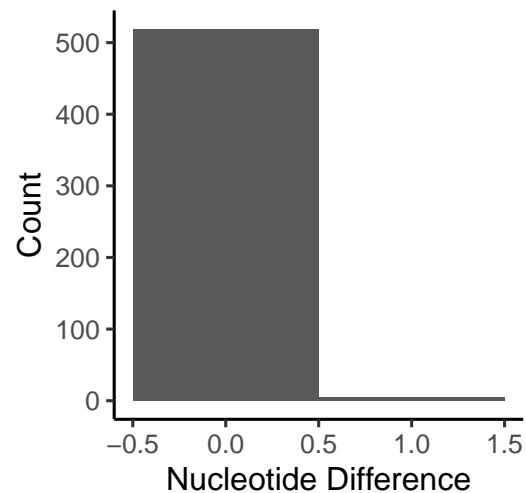
TRBV7-1*ap01_G291C_

263 sequences assigned
258 (98.1%) exact matches, in which:
256 unique CDR3
13 unique J



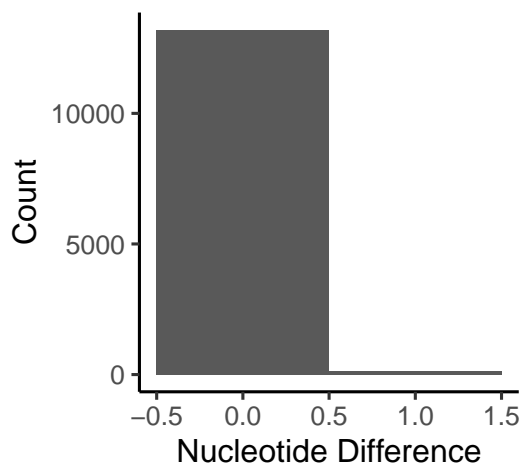
TRBV7-4*ap01

524 sequences assigned
519 (99%) exact matches, in which:
515 unique CDR3
13 unique J



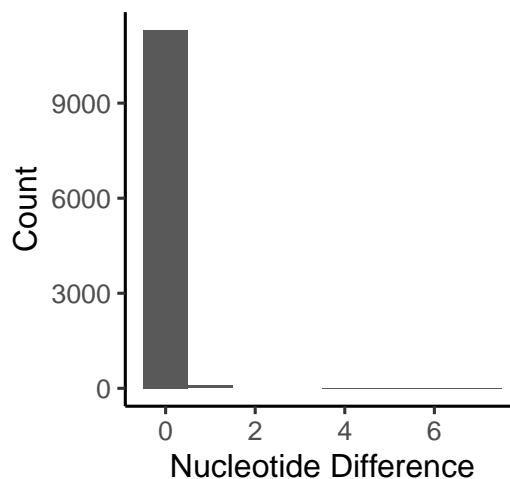
TRBV6-56*ap01

13339 sequences assigned
13200 (99%) exact matches, in which:
12909 unique CDR3
13 unique J



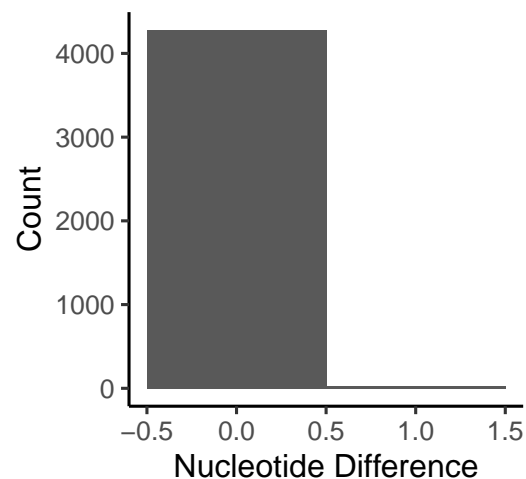
TRBV7-2*ap01

11399 sequences assigned
11307 (99.2%) exact matches, in which:
11205 unique CDR3
13 unique J



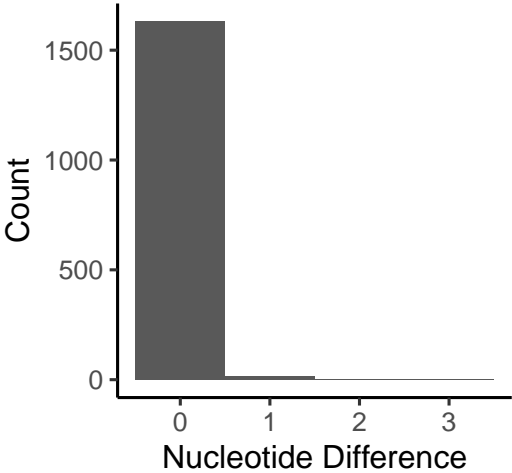
TRBV7-6*ap01

4307 sequences assigned
4279 (99.3%) exact matches, in which:
4216 unique CDR3
13 unique J



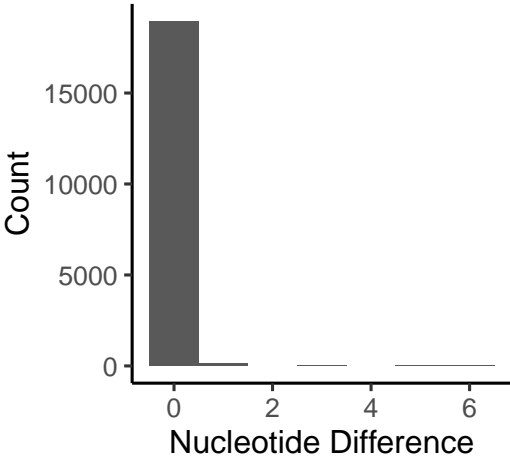
TRBV7-7*ap01_C315T

1650 sequences assigned
1631 (98.8%) exact matches, in which:
1619 unique CDR3
13 unique J



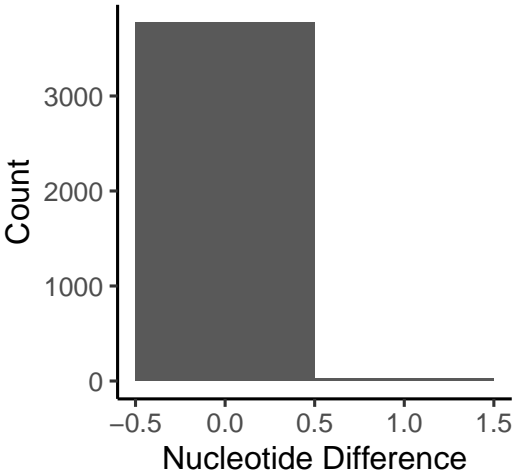
TRBV7-9*ap01

19084 sequences assigned
18950 (99.3%) exact matches, in which:
18771 unique CDR3
13 unique J



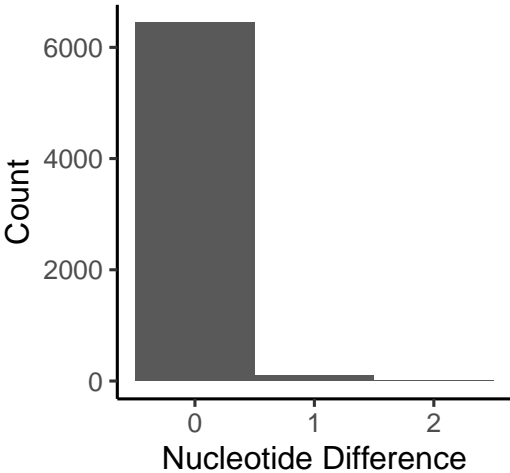
TRBV7-8*ap01

3801 sequences assigned
3771 (99.2%) exact matches, in which:
3708 unique CDR3
13 unique J



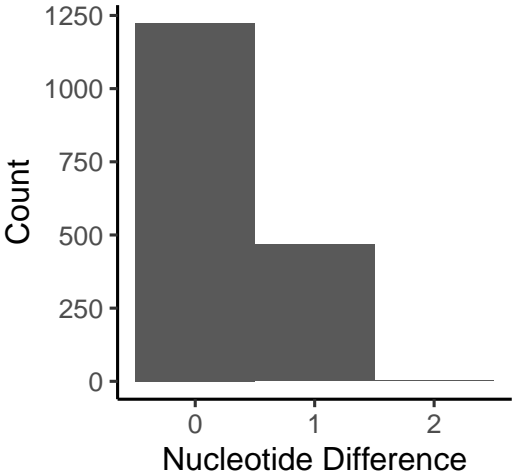
TRBV29-1*ap01

6539 sequences assigned
6443 (98.5%) exact matches, in which:
6264 unique CDR3
13 unique J



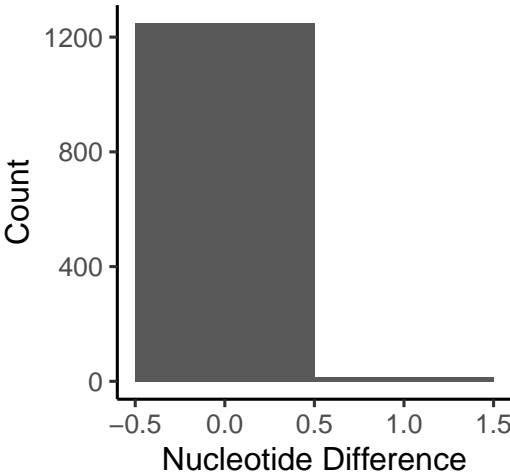
TRBV7-8*ap03

1694 sequences assigned
1224 (72.3%) exact matches, in which:
1201 unique CDR3
13 unique J

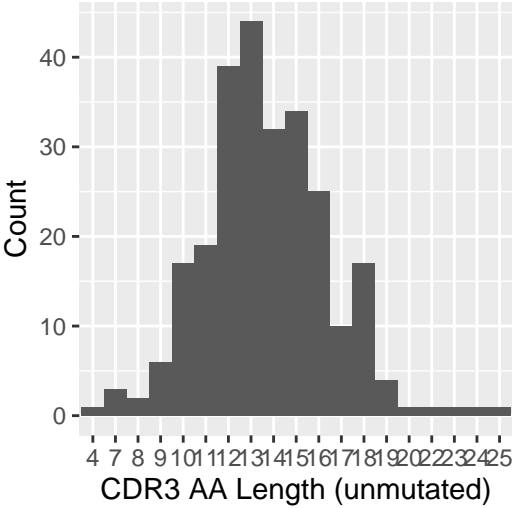


TRBV29-1*ap02

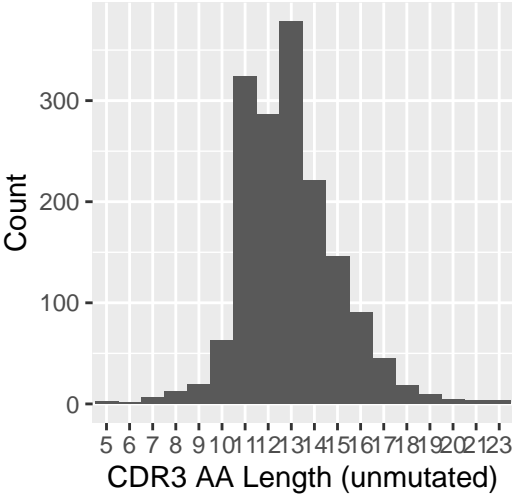
1265 sequences assigned
1249 (98.7%) exact matches, in which:
1218 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]