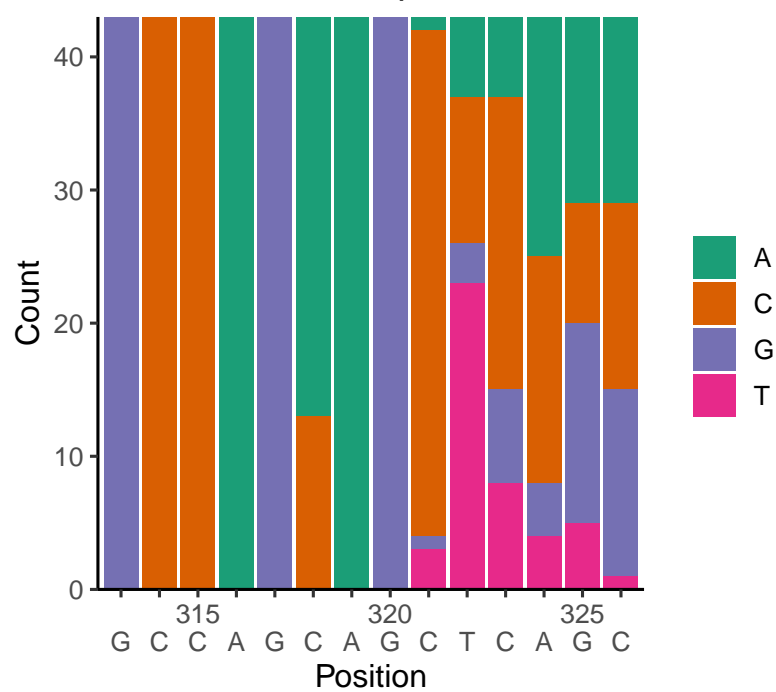
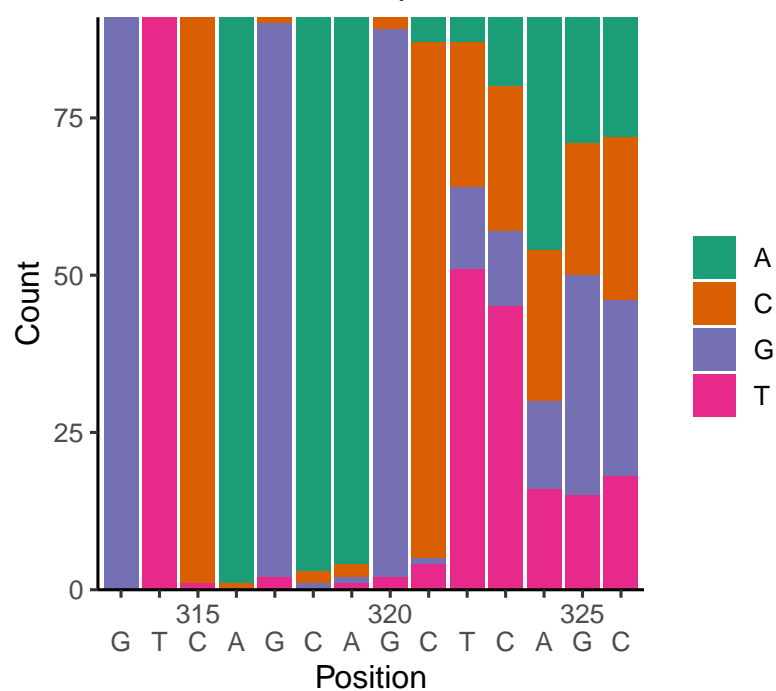


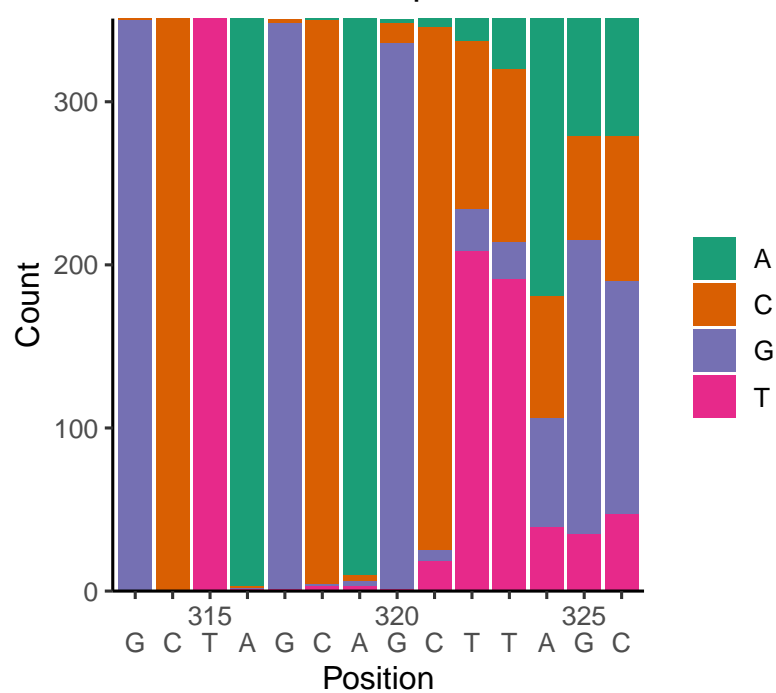
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-7\*ap01\_C315T



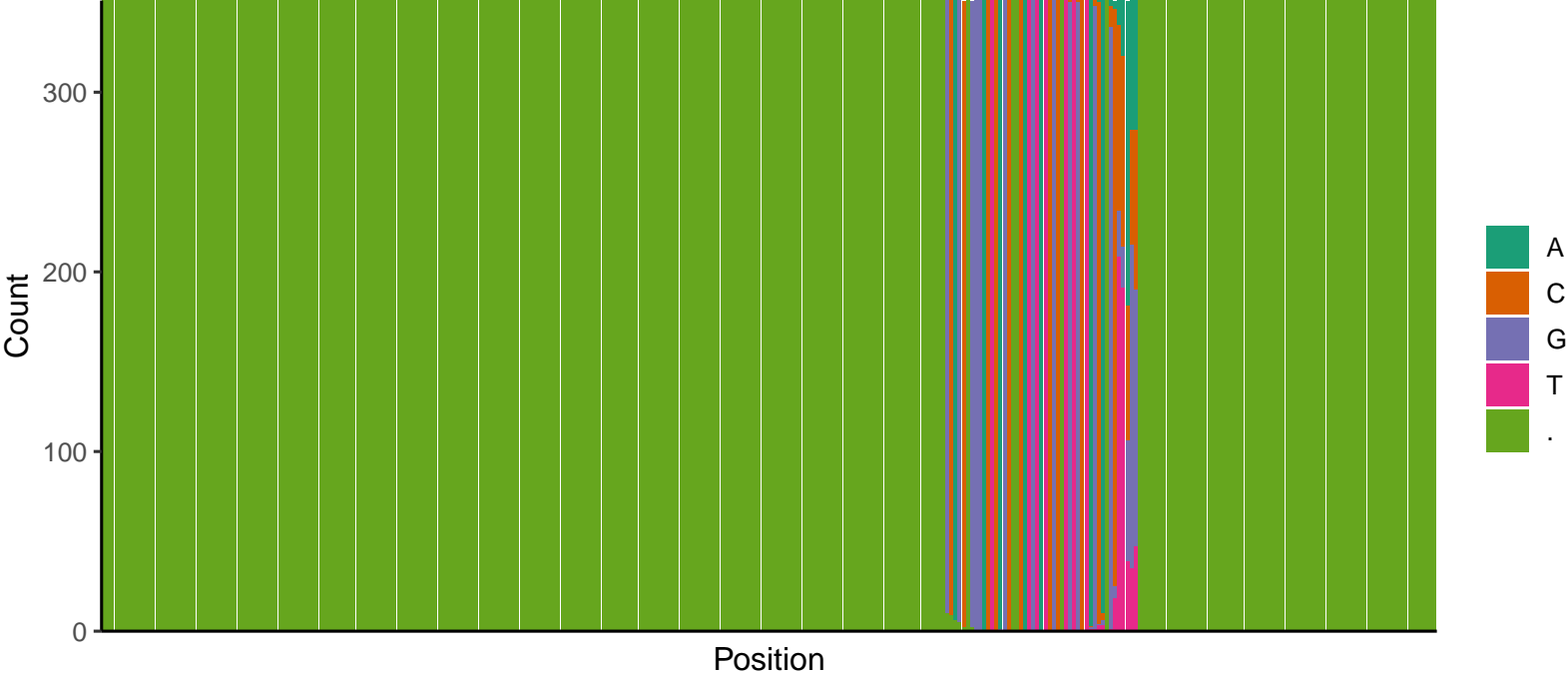
Gene TRBV7-1\*ap01\_T296C



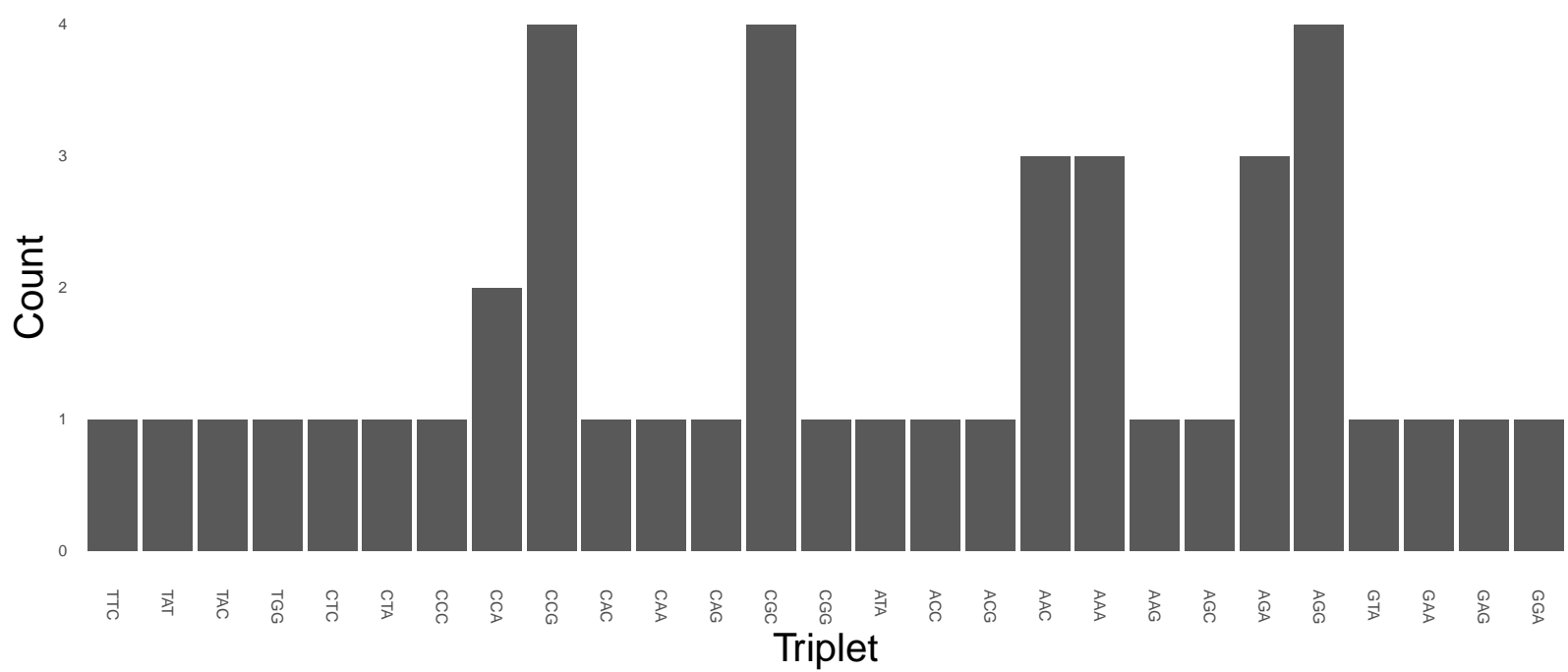
Gene TRBV7-1\*ap01\_T296C\_C314T



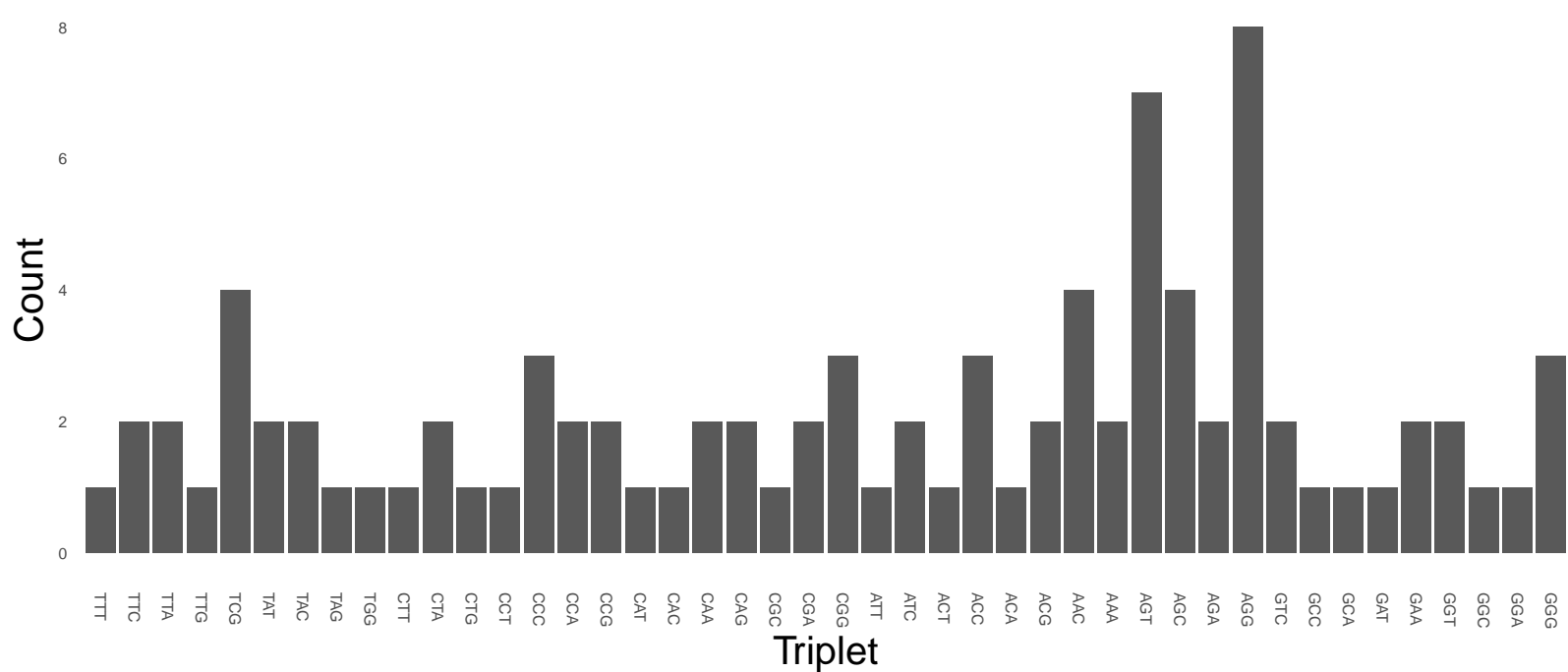
Gene TRBV7-7\*ap01\_C315T



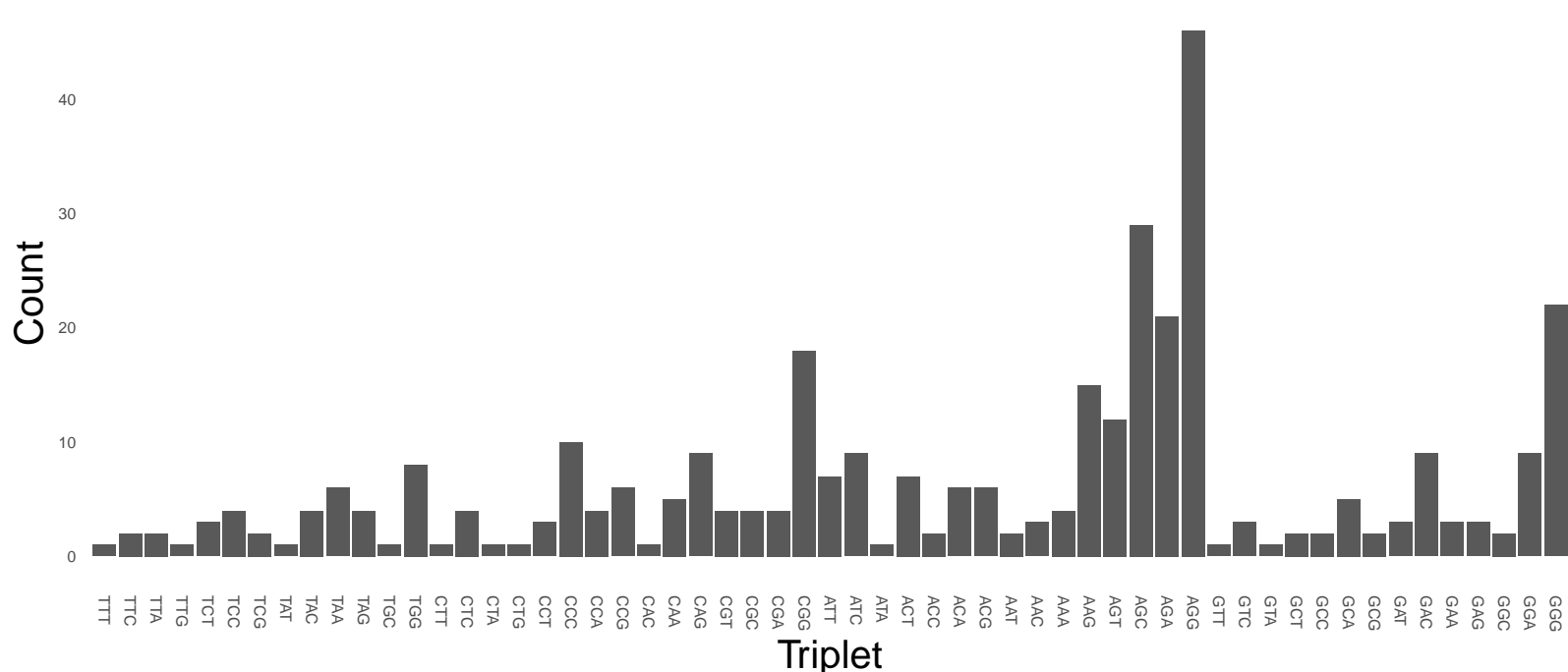
TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet

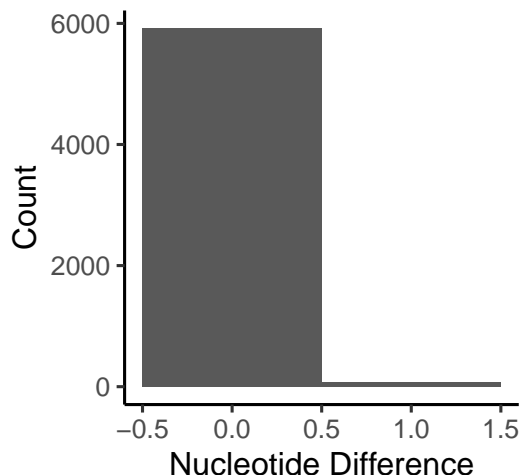


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



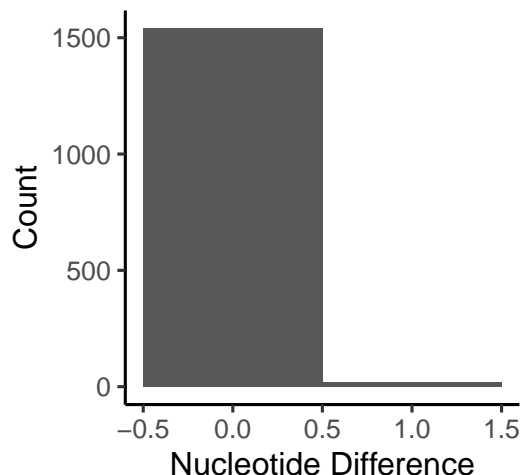
### TRBV20-1\*ap01

5984 sequences assigned  
5917 (98.9%) exact matches, in which:  
5848 unique CDR3  
13 unique J



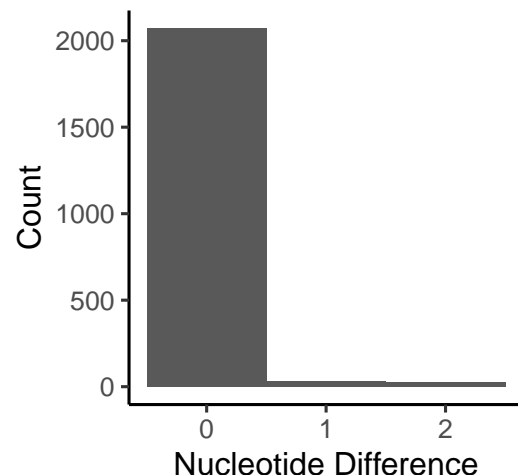
### TRBV10-2\*ap01

1561 sequences assigned  
1540 (98.7%) exact matches, in which:  
1514 unique CDR3  
13 unique J



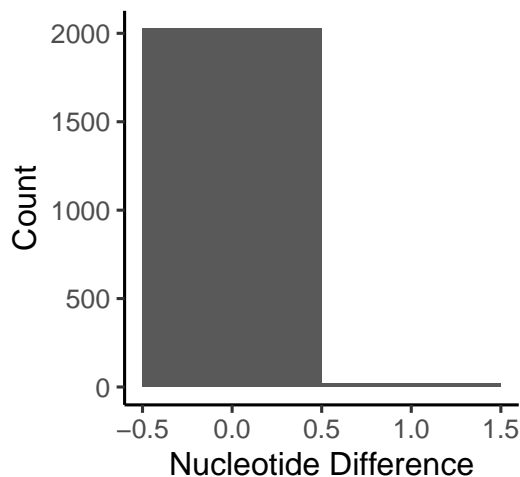
### TRBV13\*ap01

2130 sequences assigned  
2071 (97.2%) exact matches, in which:  
2021 unique CDR3  
13 unique J



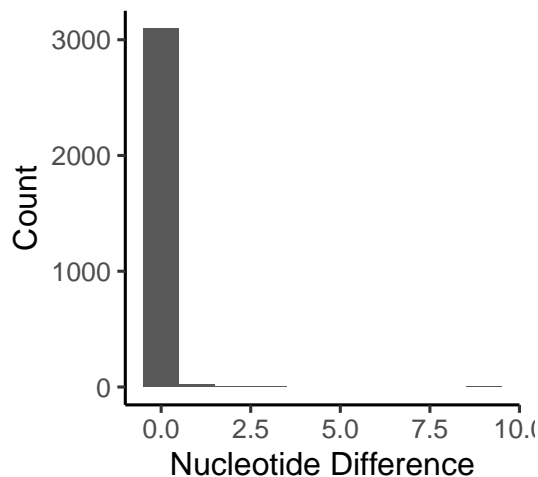
### TRBV10-1\*ap01

2048 sequences assigned  
2026 (98.9%) exact matches, in which:  
1998 unique CDR3  
13 unique J



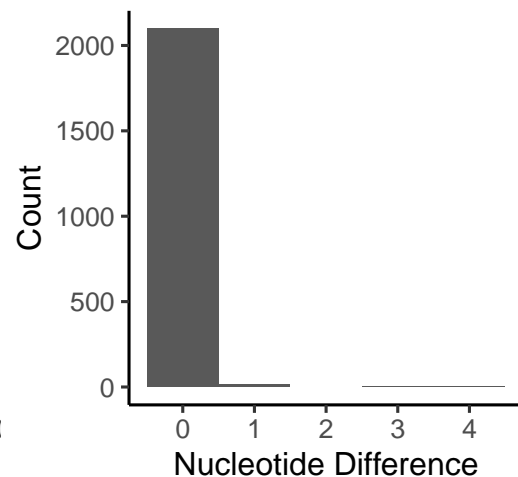
### TRBV10-3\*ap01

3123 sequences assigned  
3095 (99.1%) exact matches, in which:  
3051 unique CDR3  
13 unique J



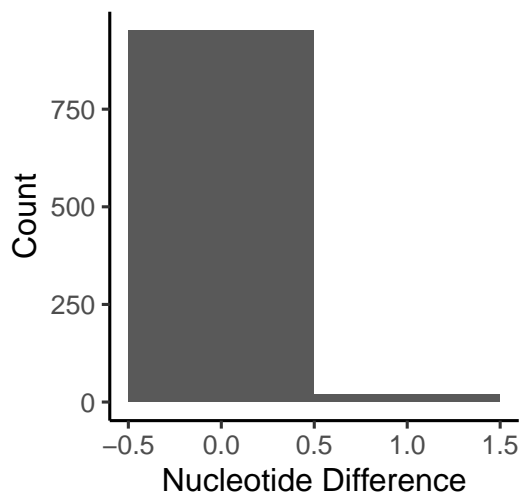
### TRBV14\*ap01

2113 sequences assigned  
2098 (99.3%) exact matches, in which:  
2072 unique CDR3  
13 unique J



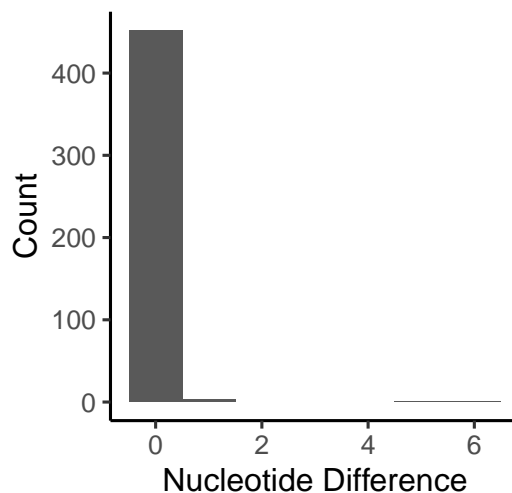
### TRBV20-1\*ap02

971 sequences assigned  
952 (98%) exact matches, in which:  
942 unique CDR3  
13 unique J



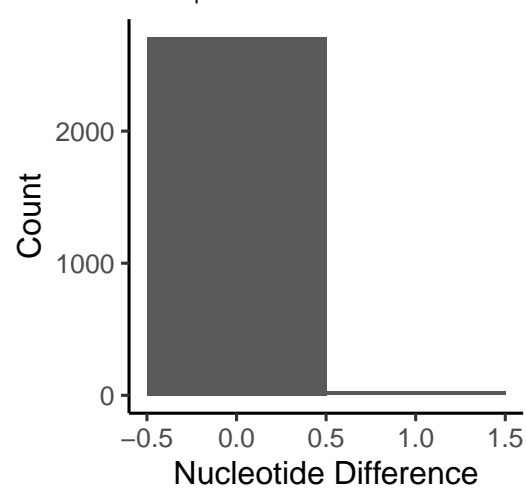
### TRBV1\*ap01

457 sequences assigned  
452 (98.9%) exact matches, in which:  
442 unique CDR3  
13 unique J



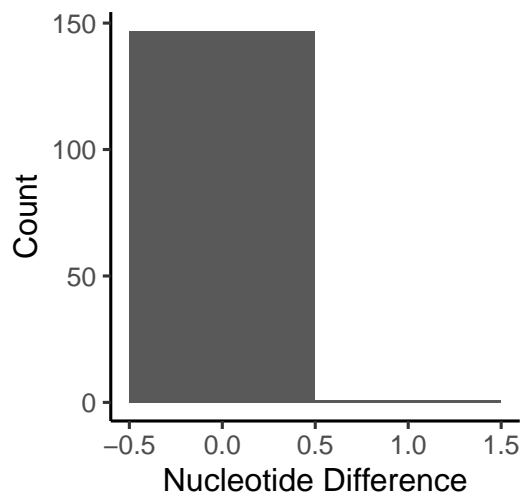
### TRBV15\*ap02

2741 sequences assigned  
2712 (98.9%) exact matches, in which:  
2657 unique CDR3  
13 unique J



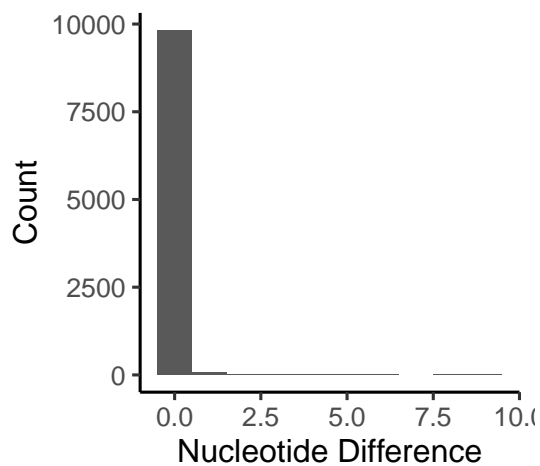
### TRBV16\*ap01

148 sequences assigned  
147 (99.3%) exact matches, in which:  
147 unique CDR3  
13 unique J



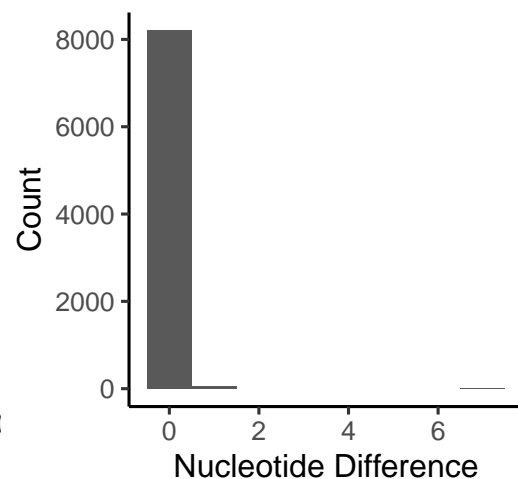
### TRBV19\*ap01

9918 sequences assigned  
9826 (99.1%) exact matches, in which:  
9742 unique CDR3  
13 unique J



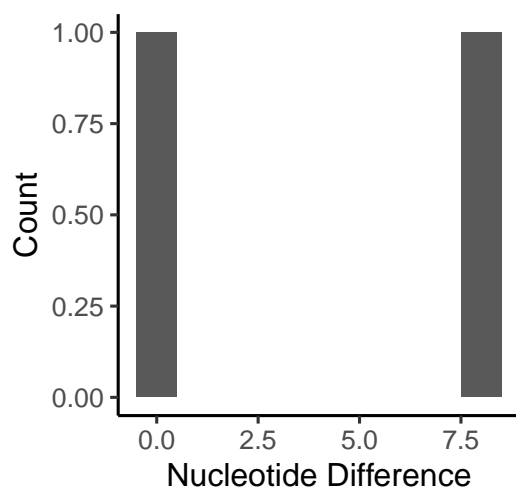
### TRBV28\*ap01

8272 sequences assigned  
8206 (99.2%) exact matches, in which:  
8090 unique CDR3  
13 unique J



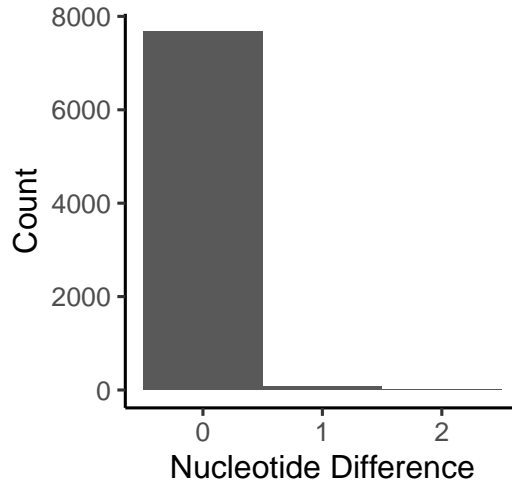
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



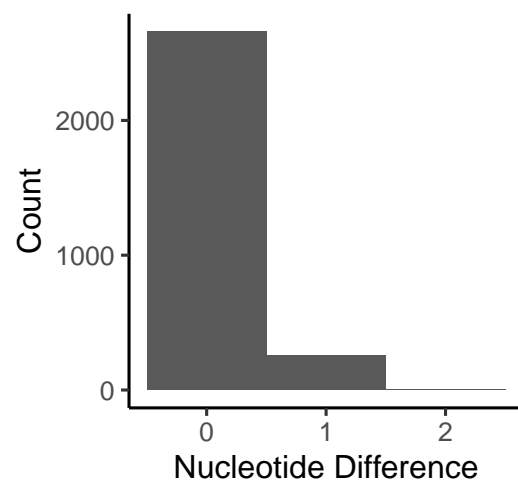
### TRBV2\*ap01

7754 sequences assigned  
7671 (98.9%) exact matches, in which:  
7546 unique CDR3  
13 unique J



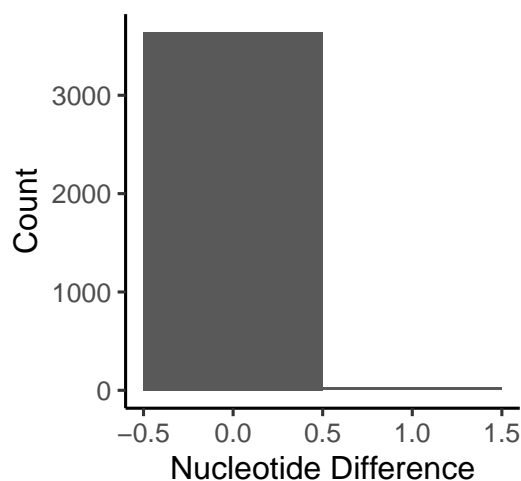
### TRBV30\*ap01

2916 sequences assigned  
2658 (91.2%) exact matches, in which:  
2585 unique CDR3  
13 unique J



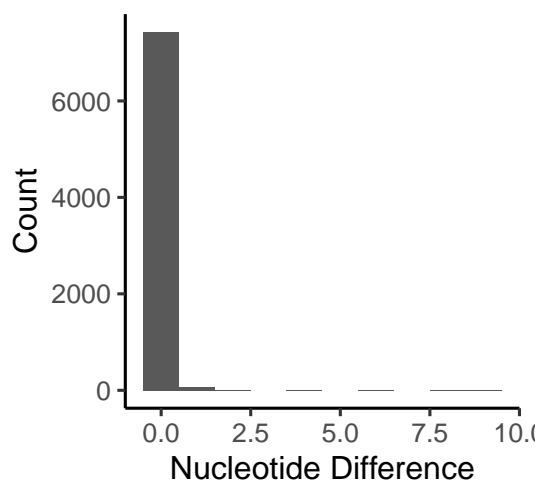
### TRBV18\*ap01

3670 sequences assigned  
3643 (99.3%) exact matches, in which:  
3614 unique CDR3  
13 unique J



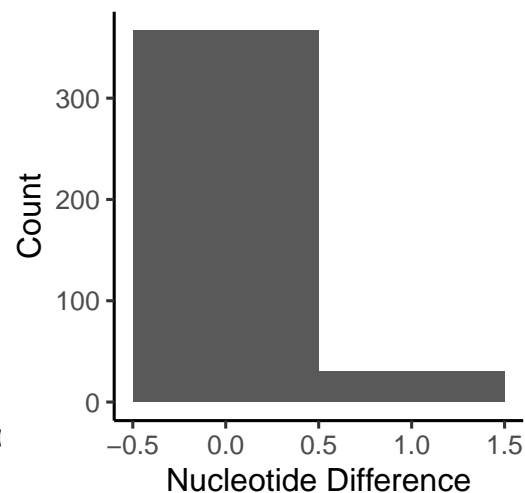
### TRBV27\*ap01

7508 sequences assigned  
7428 (98.9%) exact matches, in which:  
7288 unique CDR3  
13 unique J



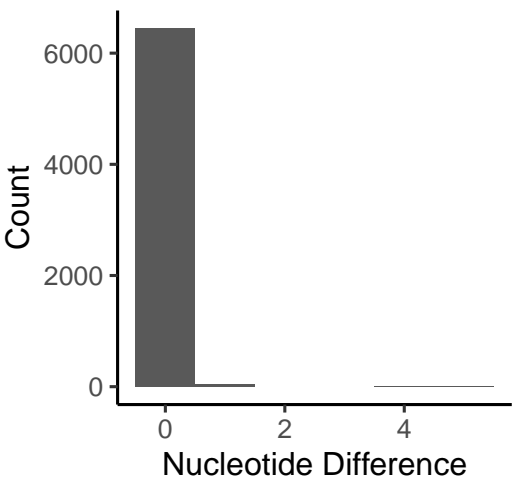
### TRBV30\*ap03

397 sequences assigned  
367 (92.4%) exact matches, in which:  
355 unique CDR3  
13 unique J



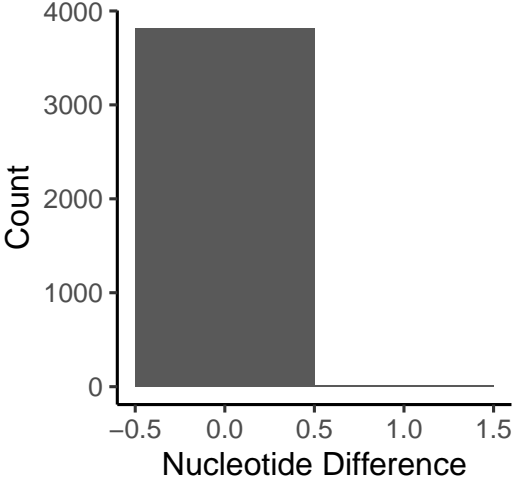
TRBV9\*ap01

6499 sequences assigned  
6445 (99.2%) exact matches, in which:  
6367 unique CDR3  
13 unique J



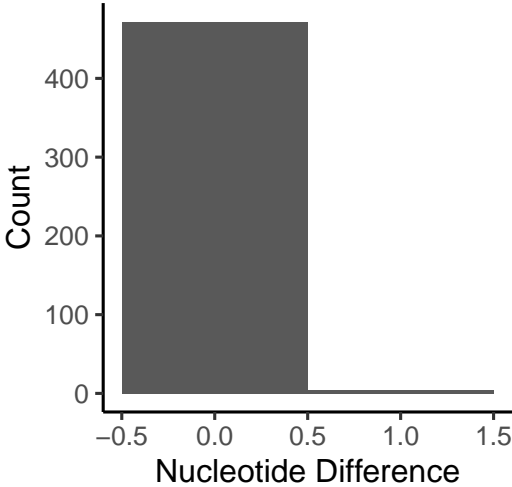
TRBV11-2\*ap01

3833 sequences assigned  
3814 (99.5%) exact matches, in which:  
3788 unique CDR3  
13 unique J



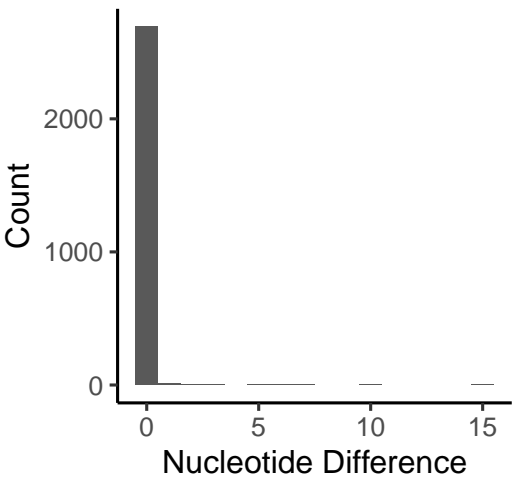
TRBV12-2\*ap01

476 sequences assigned  
472 (99.2%) exact matches, in which:  
467 unique CDR3  
13 unique J



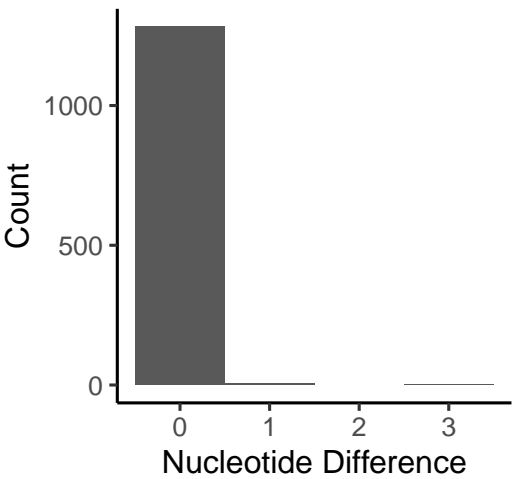
TRBV21-1\*ap01

2725 sequences assigned  
2692 (98.8%) exact matches, in which:  
2678 unique CDR3  
13 unique J



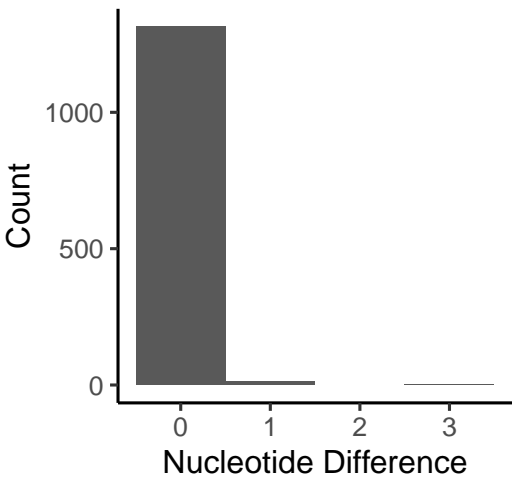
TRBV11-3\*ap01

1287 sequences assigned  
1282 (99.6%) exact matches, in which:  
1273 unique CDR3  
13 unique J



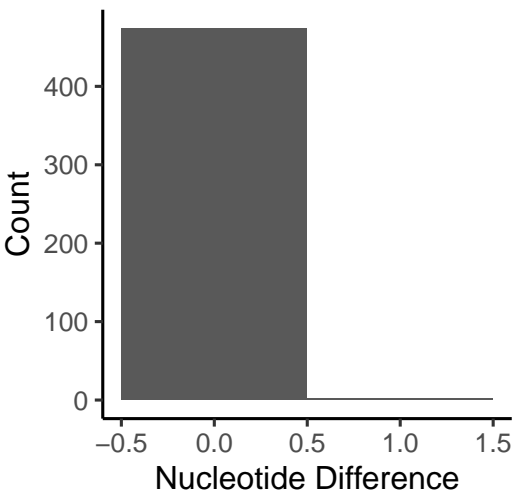
TRBV12-5\*ap01

1329 sequences assigned  
1314 (98.9%) exact matches, in which:  
1300 unique CDR3  
13 unique J



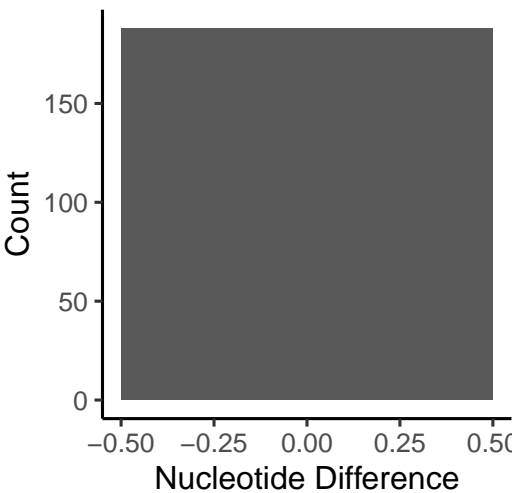
TRBV11-1\*ap01

476 sequences assigned  
474 (99.6%) exact matches, in which:  
470 unique CDR3  
13 unique J



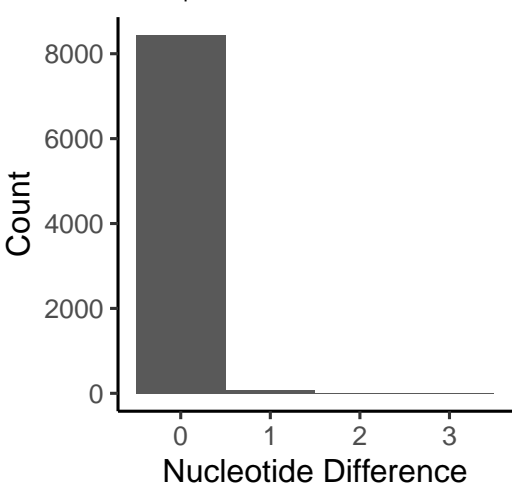
TRBV12-1\*ap01

188 sequences assigned  
188 (100%) exact matches, in which:  
186 unique CDR3  
13 unique J



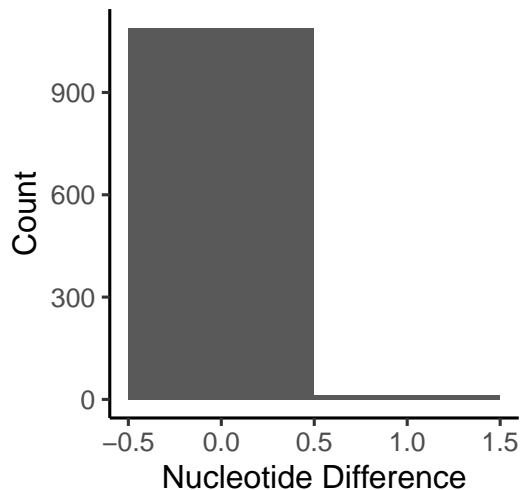
TRBV12-34\*ap01

8520 sequences assigned  
8440 (99.1%) exact matches, in which:  
8303 unique CDR3  
13 unique J



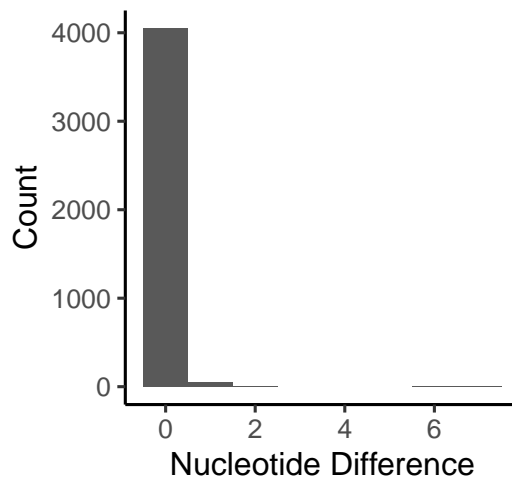
### TRBV23–1\*ap01

1104 sequences assigned  
1090 (98.7%) exact matches, in which:  
1080 unique CDR3  
13 unique J



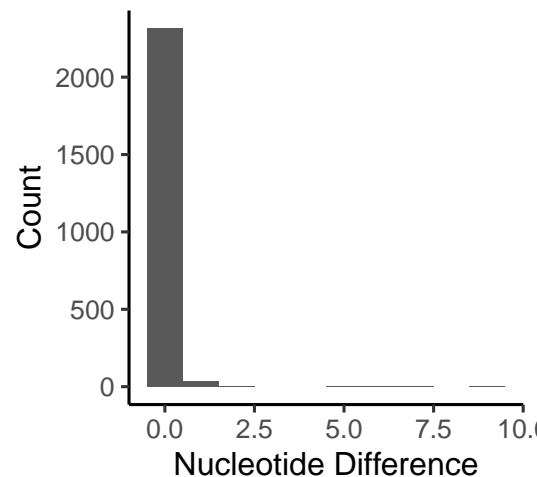
### TRBV24–1\*ap01

4106 sequences assigned  
4049 (98.6%) exact matches, in which:  
3978 unique CDR3  
13 unique J



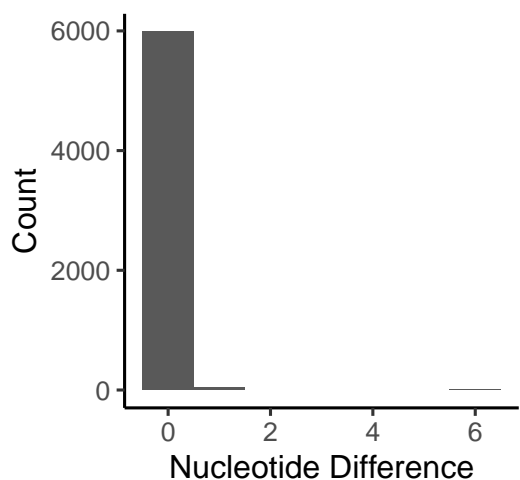
### TRBV25–1\*ap01

2357 sequences assigned  
2315 (98.2%) exact matches, in which:  
2257 unique CDR3  
13 unique J



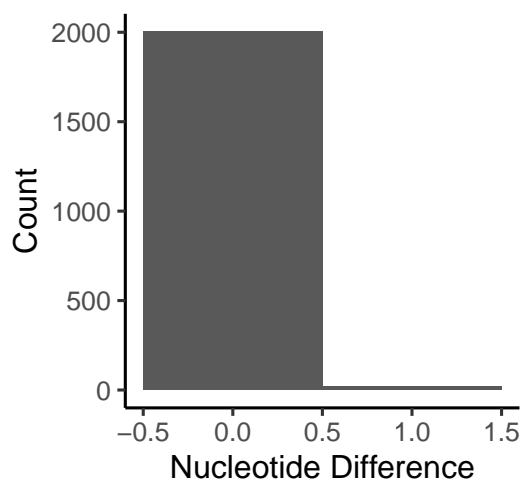
### TRBV3–12\*ap01

6036 sequences assigned  
5986 (99.2%) exact matches, in which:  
5932 unique CDR3  
13 unique J



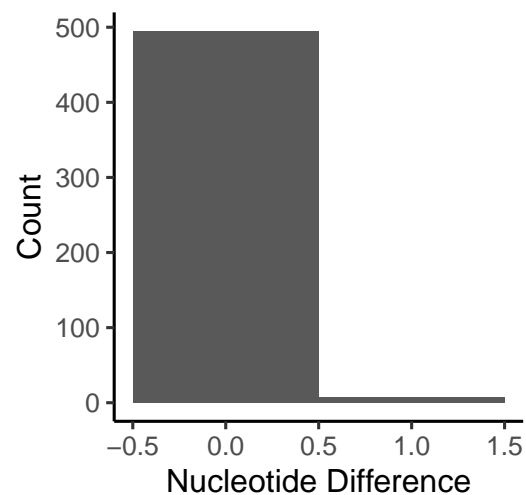
### TRBV4–2\*ap01

2025 sequences assigned  
2003 (98.9%) exact matches, in which:  
1957 unique CDR3  
13 unique J



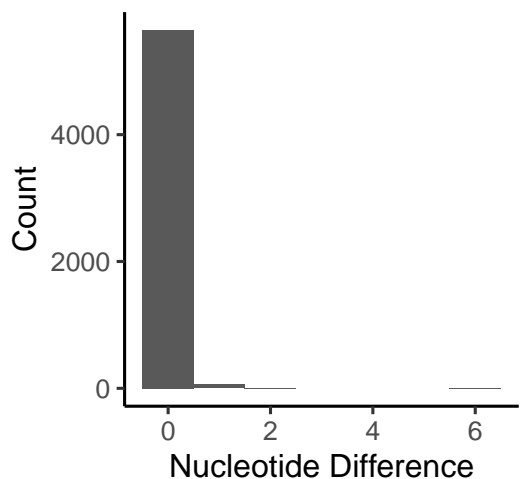
### TRBV5–3\*ap01

503 sequences assigned  
495 (98.4%) exact matches, in which:  
482 unique CDR3  
13 unique J



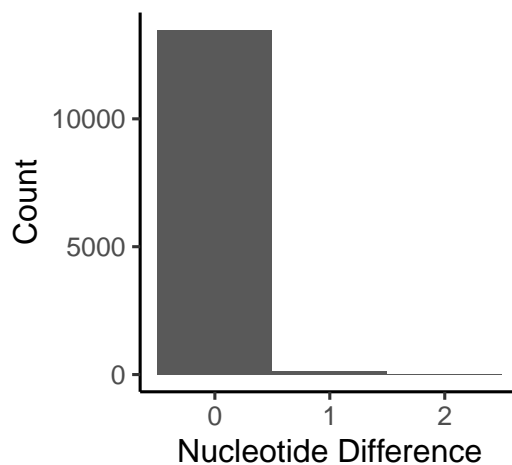
### TRBV4–1\*ap01

5711 sequences assigned  
5650 (98.9%) exact matches, in which:  
5507 unique CDR3  
13 unique J



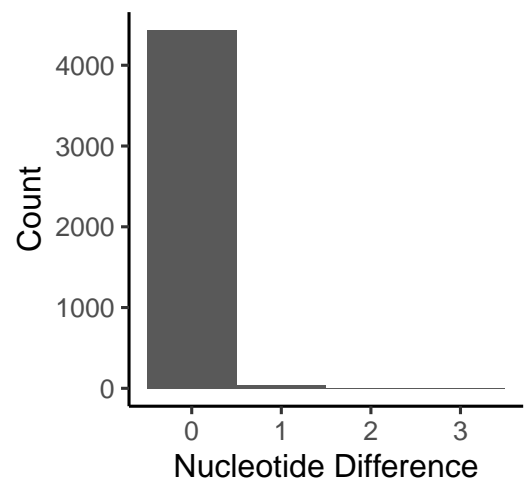
### TRBV5–1\*ap01

13607 sequences assigned  
13482 (99.1%) exact matches, in which:  
13205 unique CDR3  
13 unique J



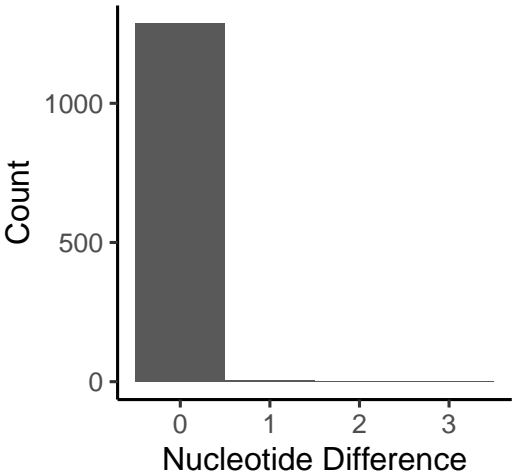
### TRBV5–4\*ap01

4482 sequences assigned  
4436 (99%) exact matches, in which:  
4330 unique CDR3  
13 unique J



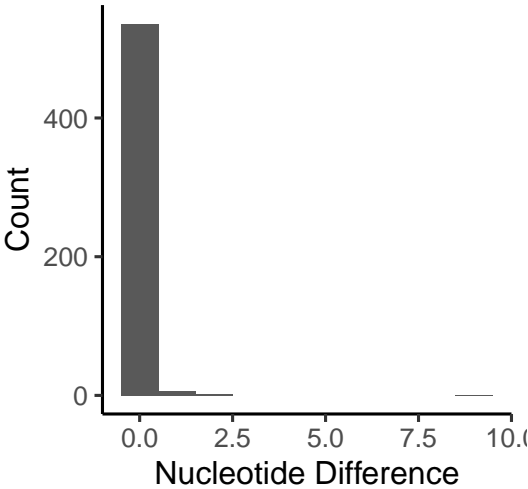
TRBV5-5\*ap01

1296 sequences assigned  
1287 (99.3%) exact matches, in which:  
1278 unique CDR3  
13 unique J



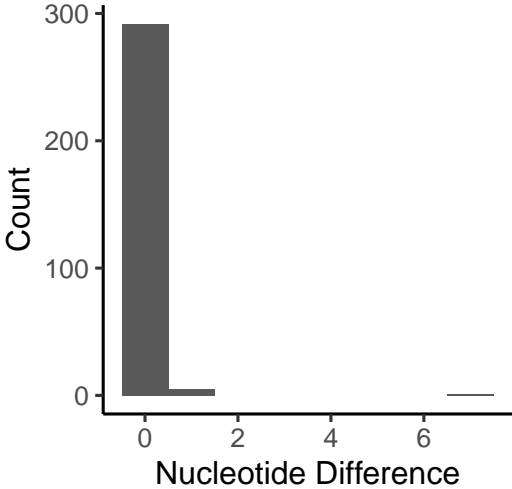
TRBV5-8\*ap01

545 sequences assigned  
536 (98.3%) exact matches, in which:  
527 unique CDR3  
13 unique J



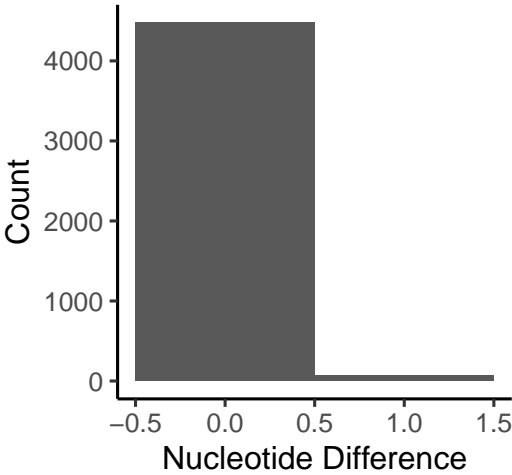
TRBV6-7\*ap01

298 sequences assigned  
292 (98%) exact matches, in which:  
286 unique CDR3  
13 unique J



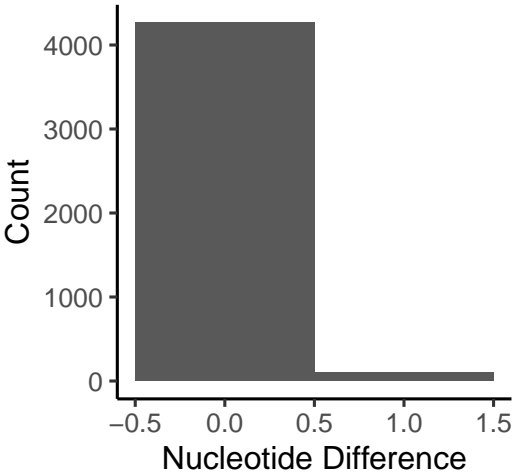
TRBV5-6\*ap01

4541 sequences assigned  
4477 (98.6%) exact matches, in which:  
4363 unique CDR3  
13 unique J



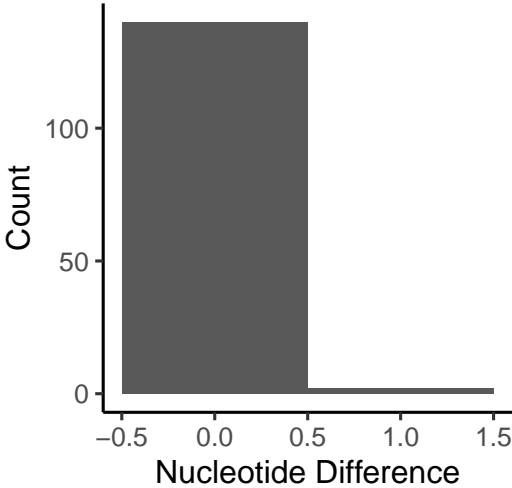
TRBV6-1\*ap01

4363 sequences assigned  
4265 (97.8%) exact matches, in which:  
4163 unique CDR3  
13 unique J



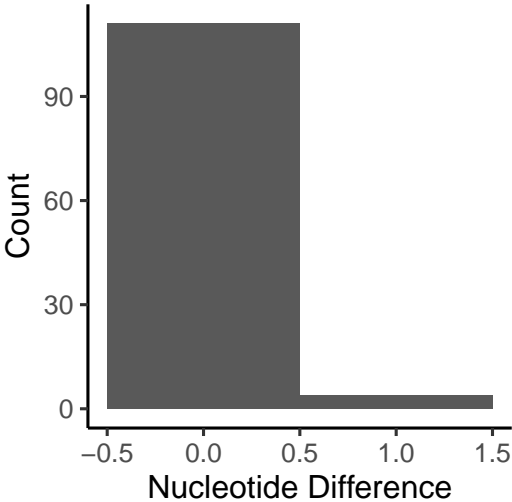
TRBV6-8\*ap01

142 sequences assigned  
140 (98.6%) exact matches, in which:  
137 unique CDR3  
12 unique J



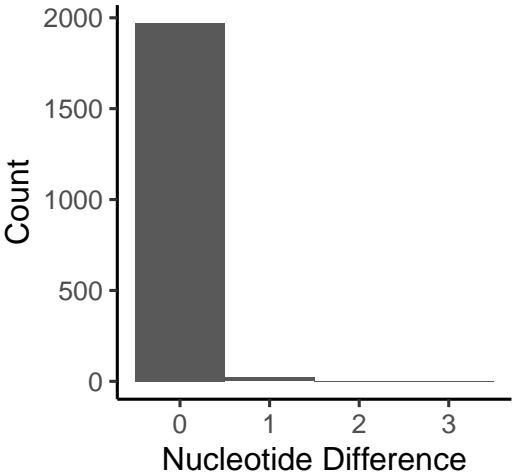
TRBV5-7\*ap01

115 sequences assigned  
111 (96.5%) exact matches, in which:  
107 unique CDR3  
13 unique J



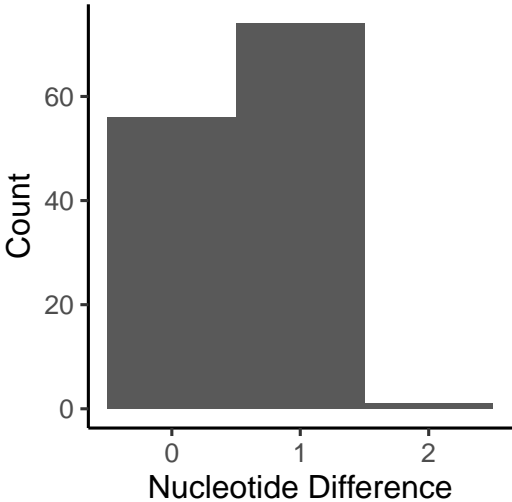
TRBV6-4\*ap01

1997 sequences assigned  
1971 (98.7%) exact matches, in which:  
1955 unique CDR3  
13 unique J



TRBV6-9\*ap01

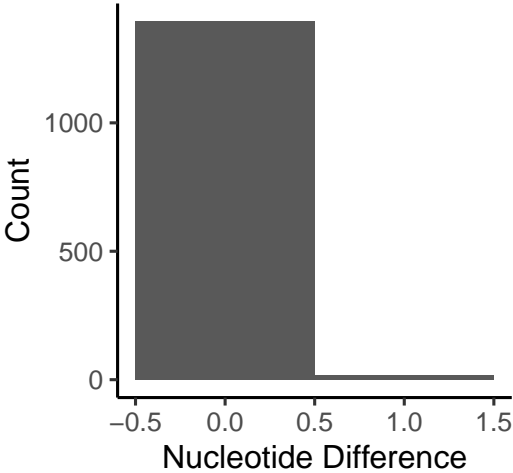
131 sequences assigned  
56 (42.7%) exact matches, in which:  
56 unique CDR3  
12 unique J





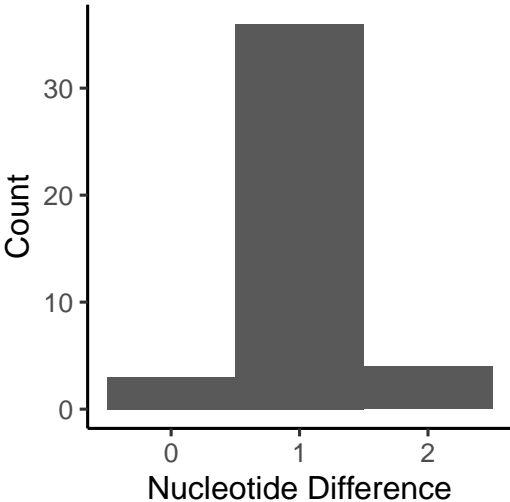
TRBV6-23\*ap01

1411 sequences assigned  
1395 (98.9%) exact matches, in which:  
1354 unique CDR3  
13 unique J



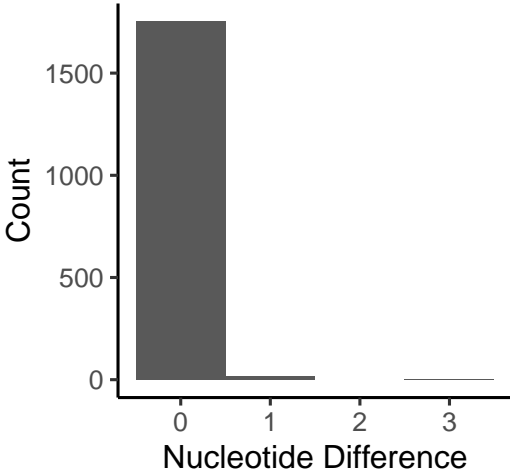
TRBV7-1\*ap01\_T296C

43 sequences assigned  
3 (7%) exact matches, in which:  
3 unique CDR3  
3 unique J



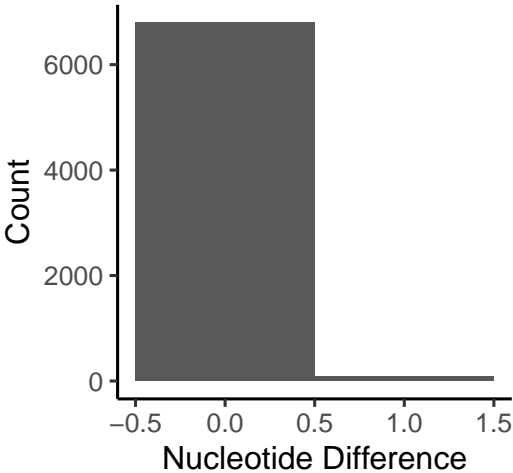
TRBV7-3\*ap01

1769 sequences assigned  
1753 (99.1%) exact matches, in which:  
1727 unique CDR3  
13 unique J



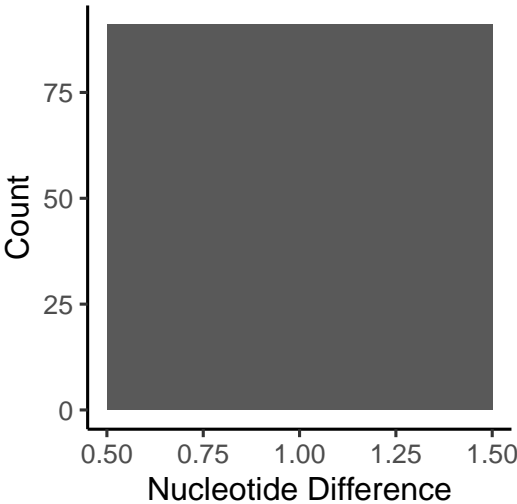
TRBV6-56\*ap01

6873 sequences assigned  
6795 (98.9%) exact matches, in which:  
6615 unique CDR3  
13 unique J



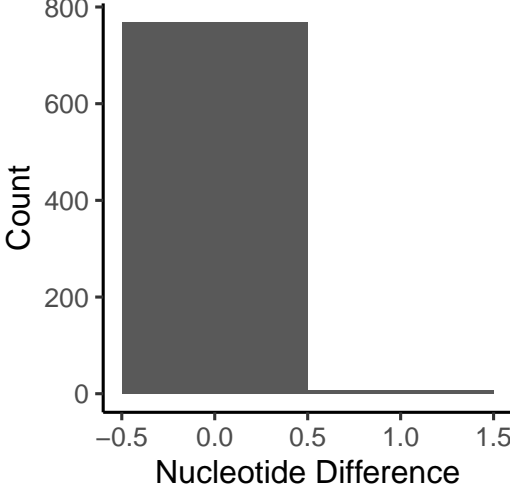
TRBV7-1\*ap01\_T296C\_C

91 sequences assigned  
No exact matches.



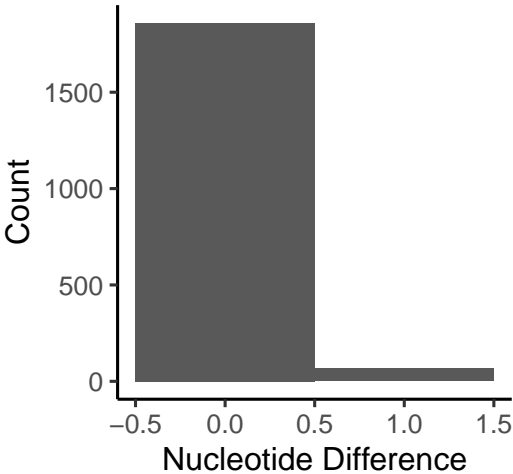
TRBV7-3\*ap03

776 sequences assigned  
769 (99.1%) exact matches, in which:  
764 unique CDR3  
13 unique J



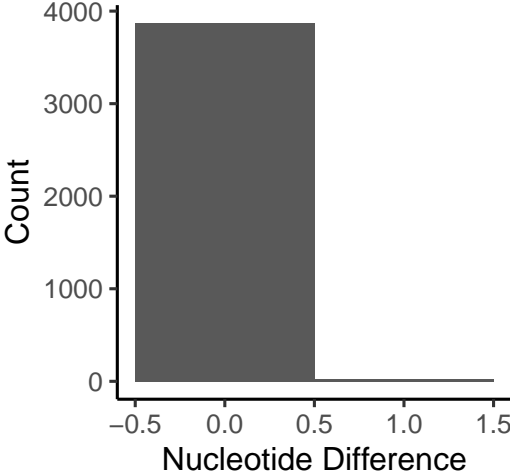
TRBV6-56\*ap02

1926 sequences assigned  
1859 (96.5%) exact matches, in which:  
1806 unique CDR3  
13 unique J



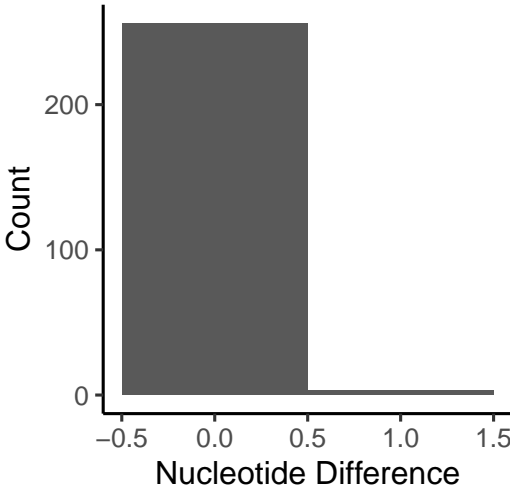
TRBV7-2\*ap01

3896 sequences assigned  
3871 (99.4%) exact matches, in which:  
3818 unique CDR3  
13 unique J



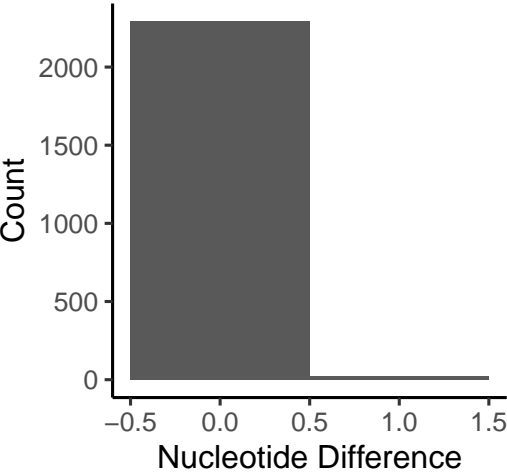
TRBV7-4\*ap01

259 sequences assigned  
256 (98.8%) exact matches, in which:  
253 unique CDR3  
13 unique J



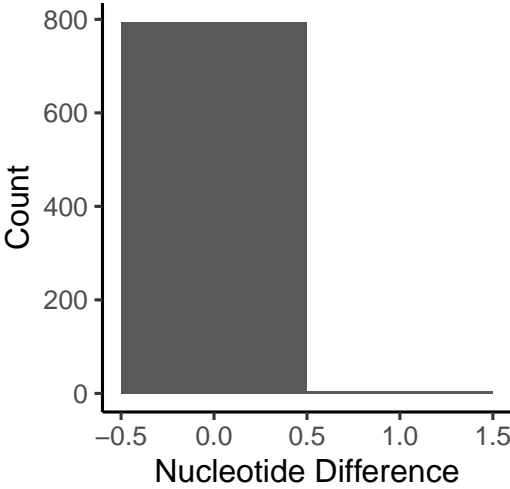
TRBV7-6\*ap01

2313 sequences assigned  
2292 (99.1%) exact matches, in which:  
2260 unique CDR3  
13 unique J



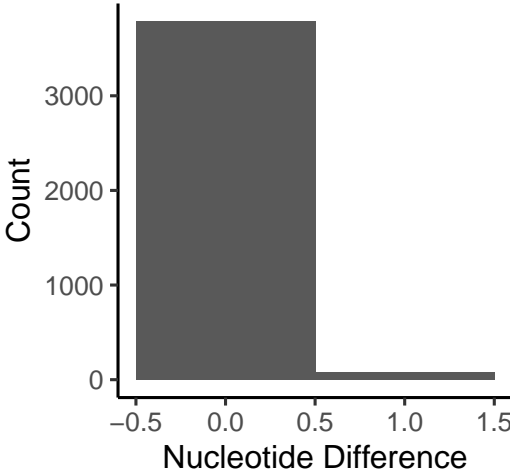
TRBV7-8\*ap01

801 sequences assigned  
795 (99.3%) exact matches, in which:  
783 unique CDR3  
13 unique J



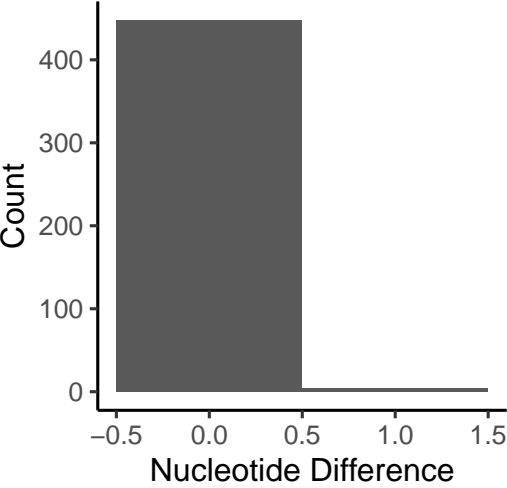
TRBV29-1\*ap01

3864 sequences assigned  
3786 (98%) exact matches, in which:  
3703 unique CDR3  
13 unique J



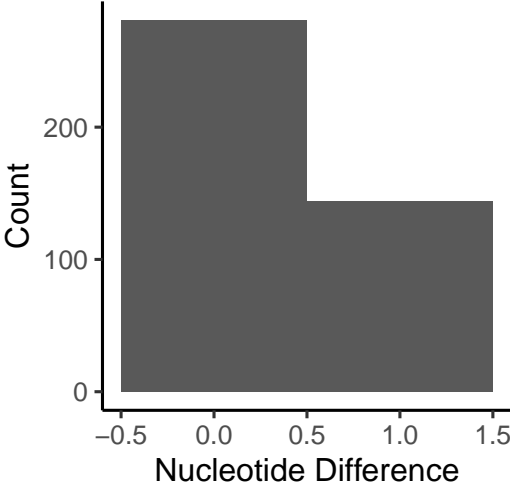
TRBV7-7\*ap01

452 sequences assigned  
448 (99.1%) exact matches, in which:  
437 unique CDR3  
13 unique J



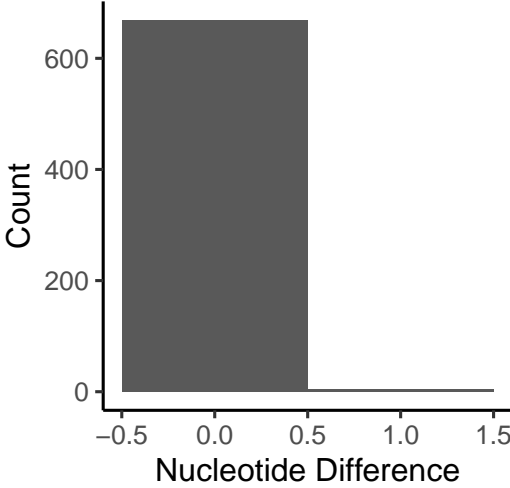
TRBV7-8\*ap03

425 sequences assigned  
281 (66.1%) exact matches, in which:  
274 unique CDR3  
12 unique J



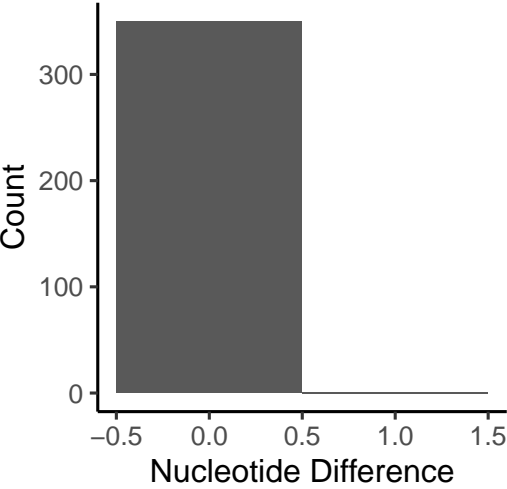
TRBV29-1\*ap02

674 sequences assigned  
669 (99.3%) exact matches, in which:  
647 unique CDR3  
13 unique J



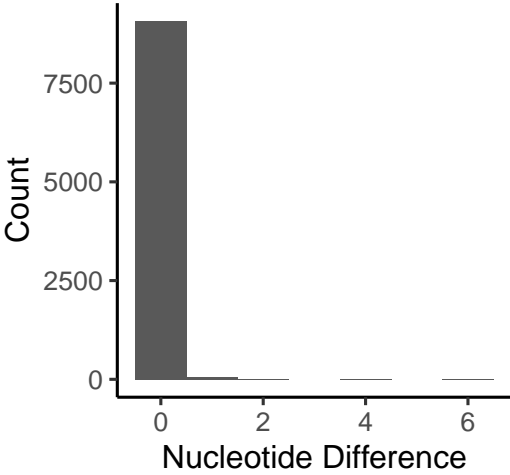
TRBV7-7\*ap01\_C315T

351 sequences assigned  
350 (99.7%) exact matches, in which:  
345 unique CDR3  
13 unique J

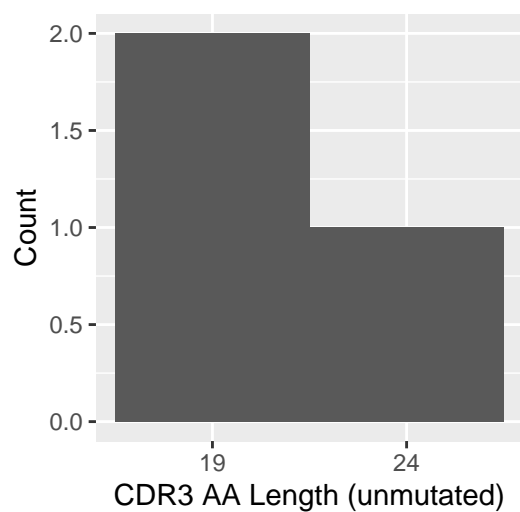


TRBV7-9\*ap01

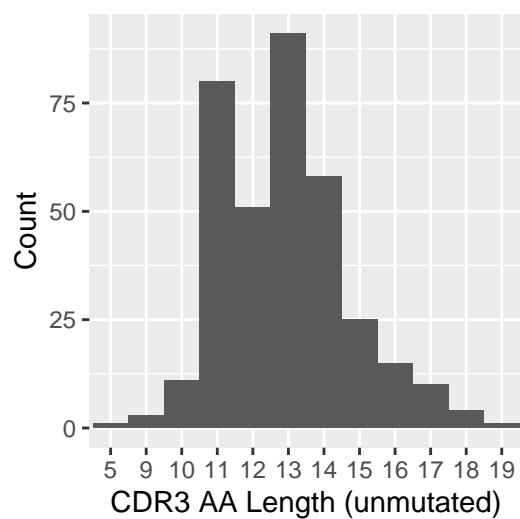
9134 sequences assigned  
9072 (99.3%) exact matches, in which:  
8950 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.