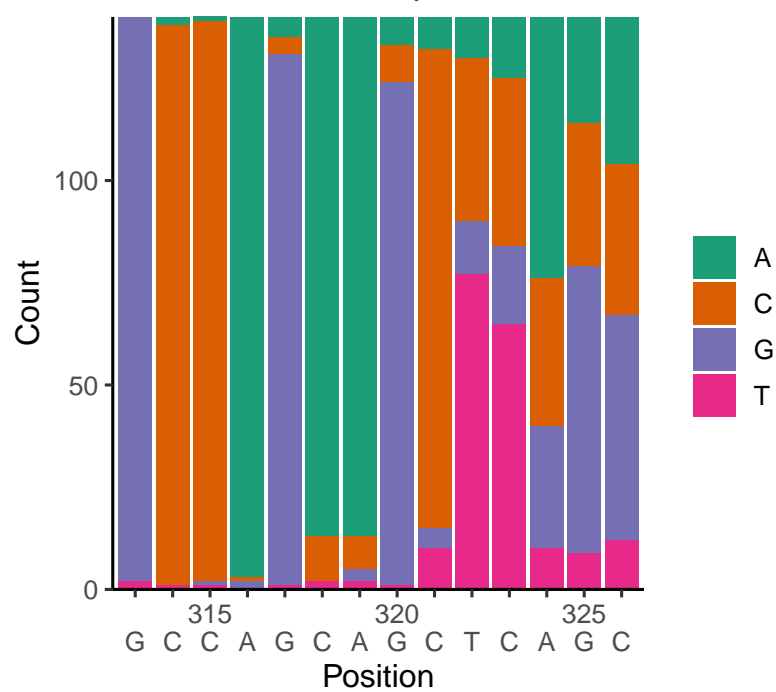
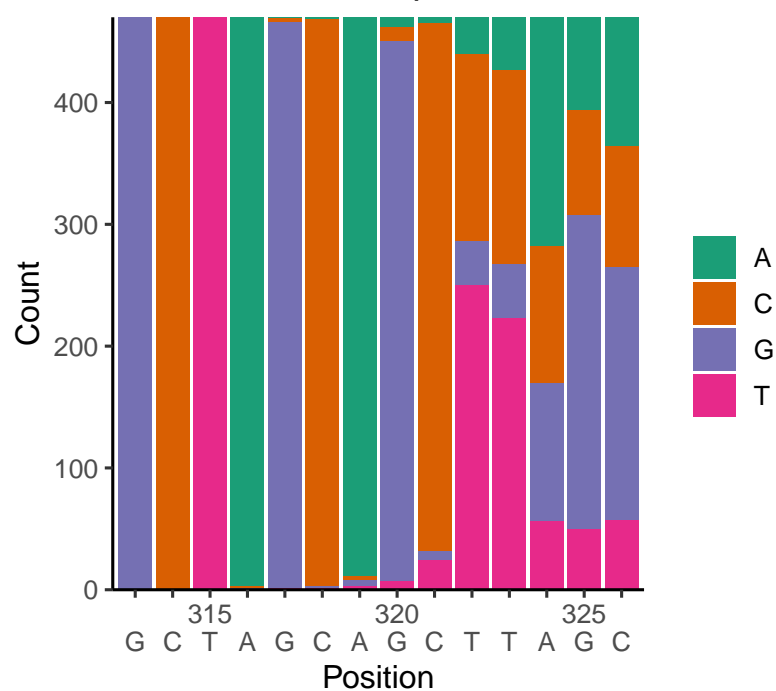


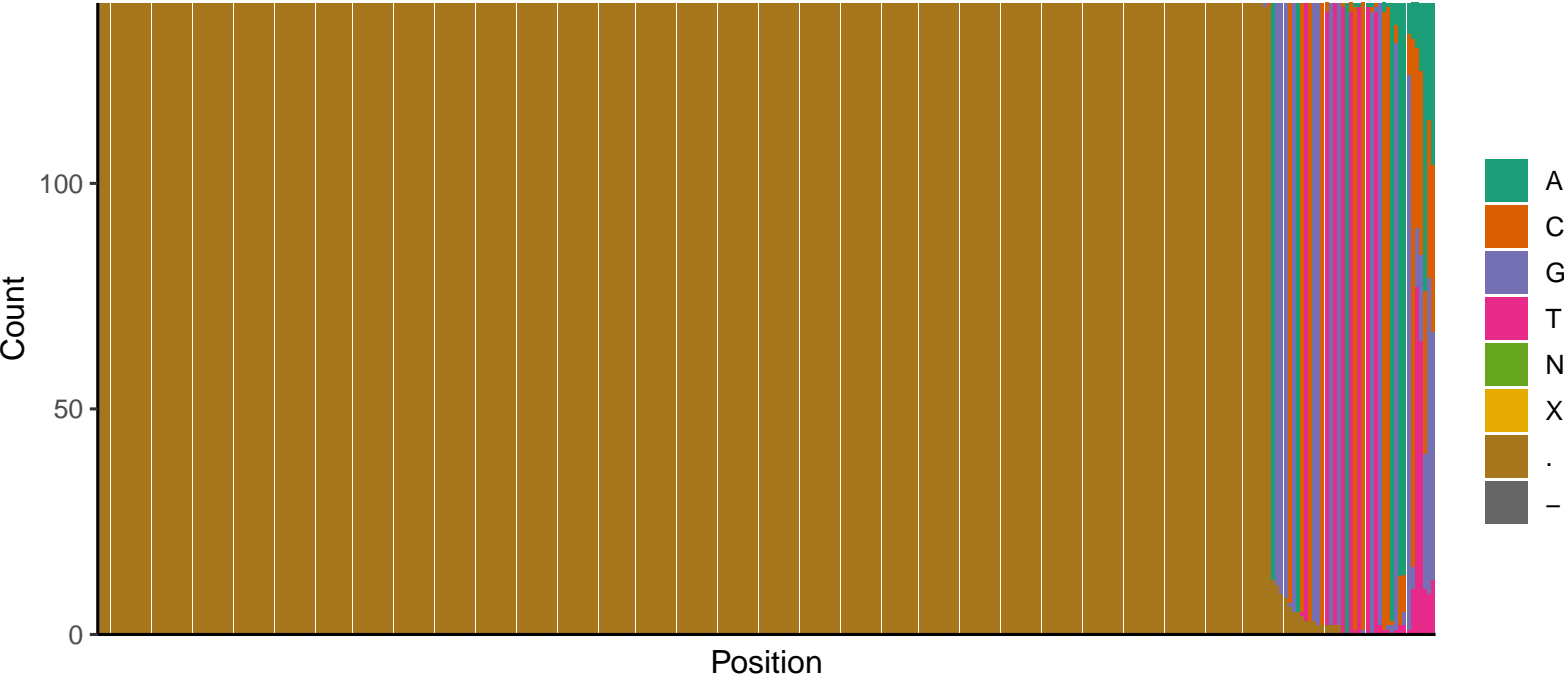
Gene TRBV7-1\*ap01\_G291C\_T296C



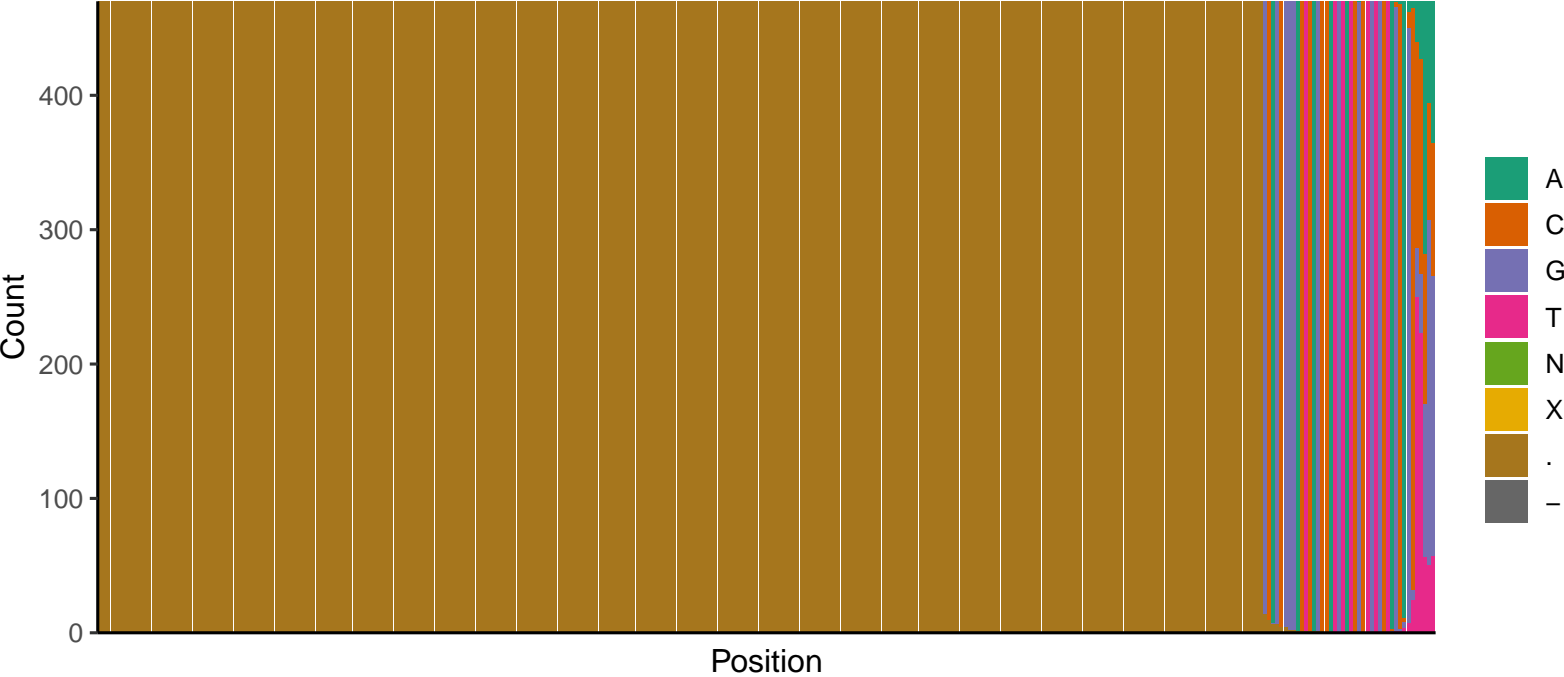
Gene TRBV7-7\*ap01\_C315T



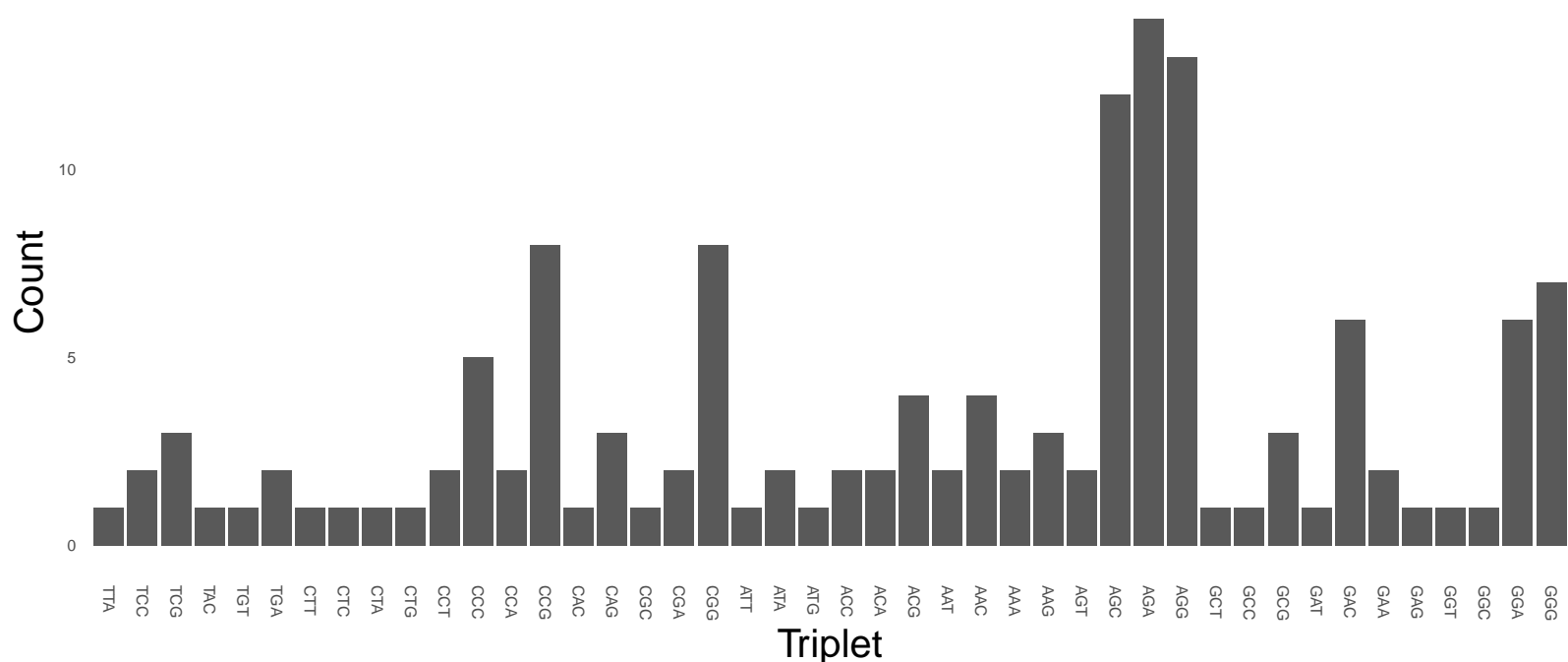
Gene TRBV7-1\*ap01\_G291C\_T296C



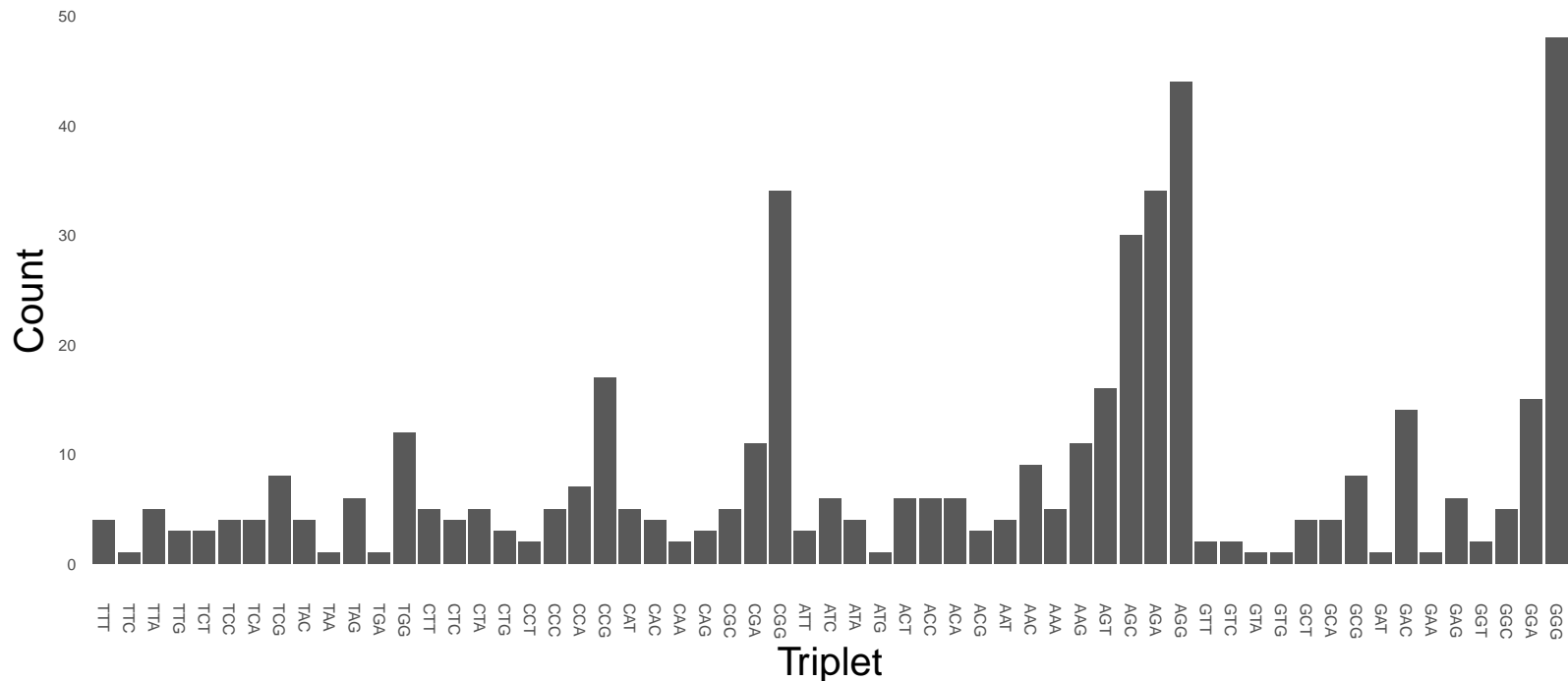
Gene TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet

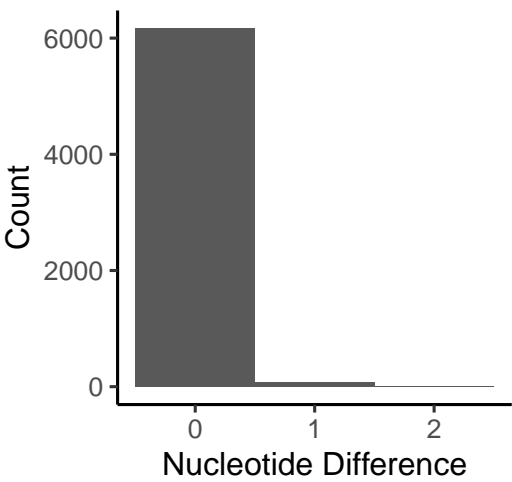


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



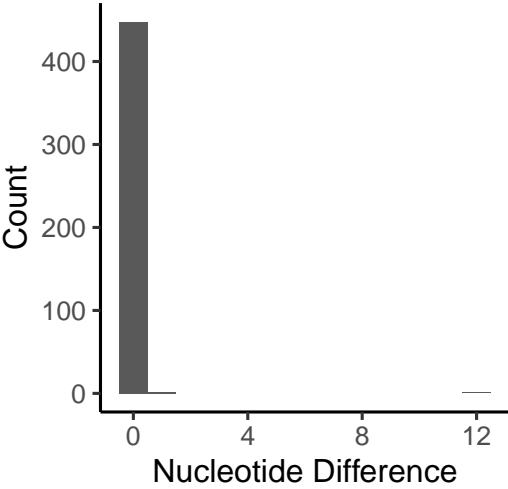
TRBV20-1\*ap01

6244 sequences assigned  
6167 (98.8%) exact matches, in which:  
6026 unique CDR3  
13 unique J



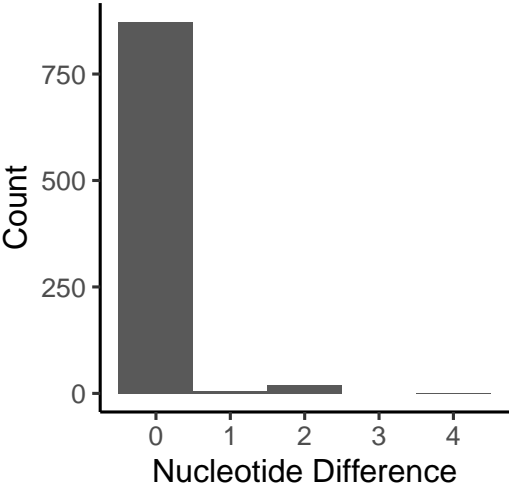
TRBV10-2\*ap01

451 sequences assigned  
448 (99.3%) exact matches, in which:  
437 unique CDR3  
13 unique J



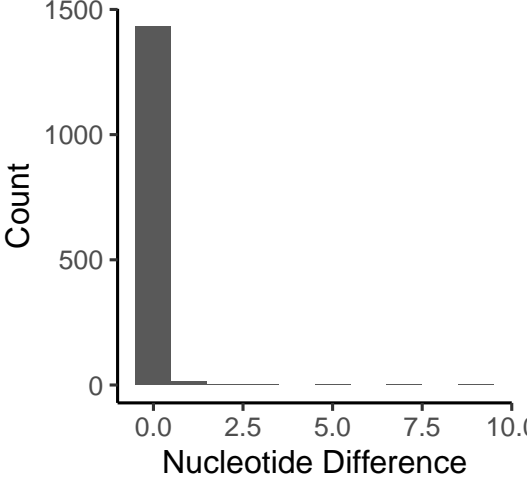
TRBV13\*ap01

899 sequences assigned  
873 (97.1%) exact matches, in which:  
841 unique CDR3  
13 unique J



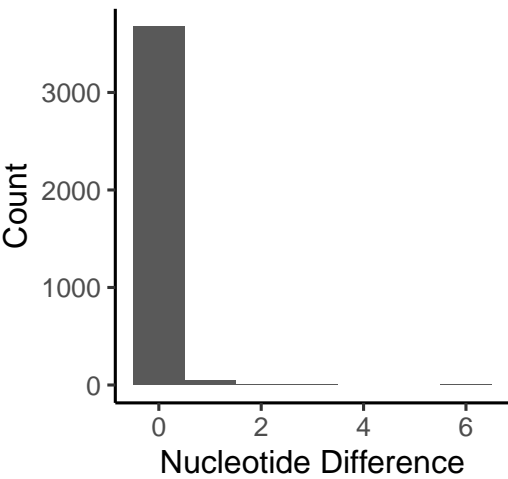
TRBV10-1\*ap01

1453 sequences assigned  
1431 (98.5%) exact matches, in which:  
1391 unique CDR3  
13 unique J



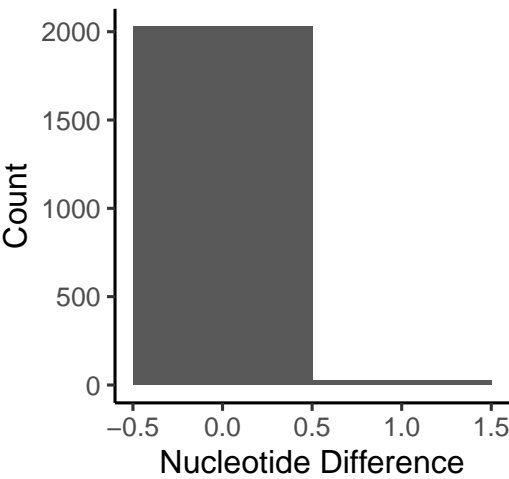
TRBV10-3\*ap01

3726 sequences assigned  
3674 (98.6%) exact matches, in which:  
3593 unique CDR3  
13 unique J



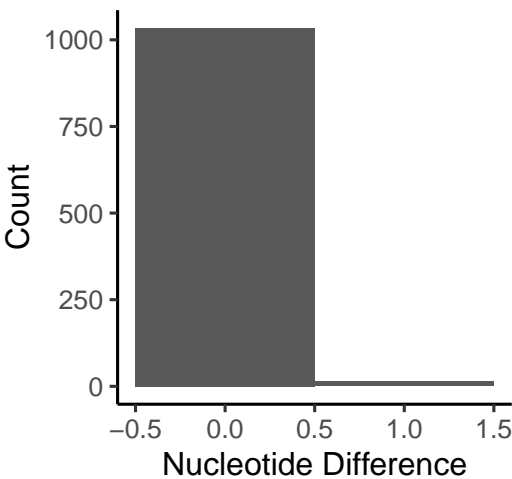
TRBV14\*ap01

2054 sequences assigned  
2028 (98.7%) exact matches, in which:  
1971 unique CDR3  
13 unique J



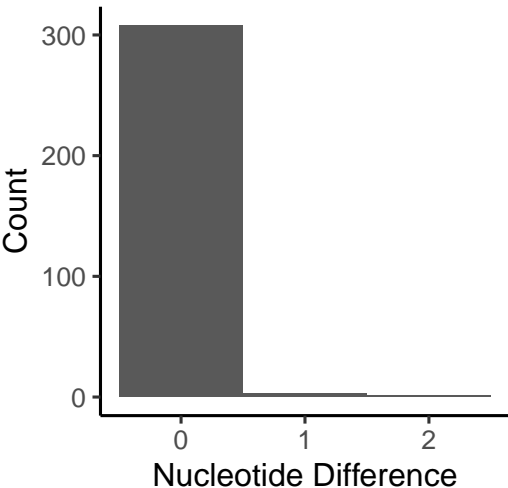
TRBV20-1\*ap02

1048 sequences assigned  
1034 (98.7%) exact matches, in which:  
1005 unique CDR3  
13 unique J



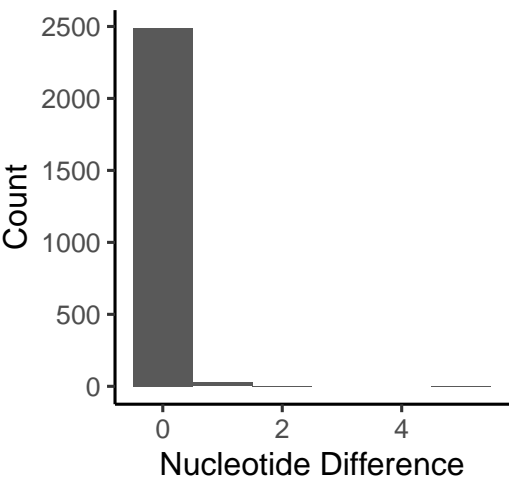
TRBV1\*ap01

312 sequences assigned  
308 (98.7%) exact matches, in which:  
303 unique CDR3  
13 unique J



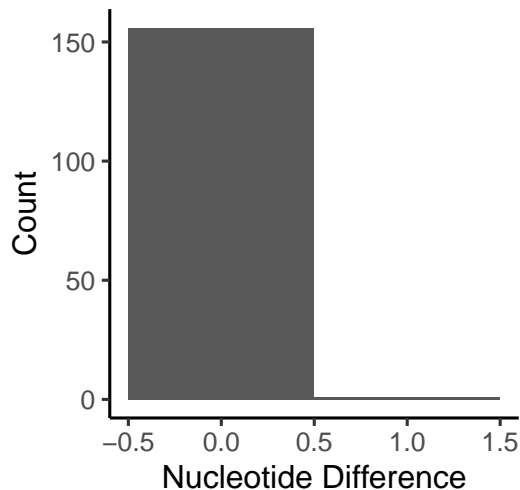
TRBV15\*ap02

2517 sequences assigned  
2489 (98.9%) exact matches, in which:  
2427 unique CDR3  
13 unique J



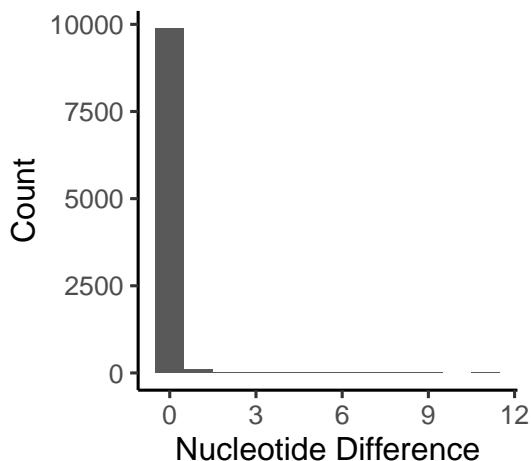
### TRBV16\*ap01

157 sequences assigned  
156 (99.4%) exact matches, in which:  
155 unique CDR3  
13 unique J



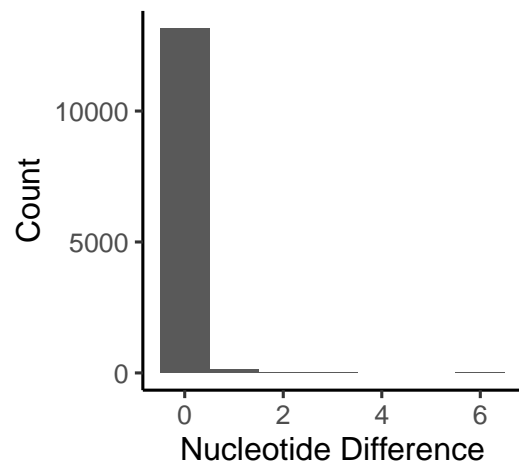
### TRBV19\*ap01

10022 sequences assigned  
9891 (98.7%) exact matches, in which:  
9721 unique CDR3  
13 unique J



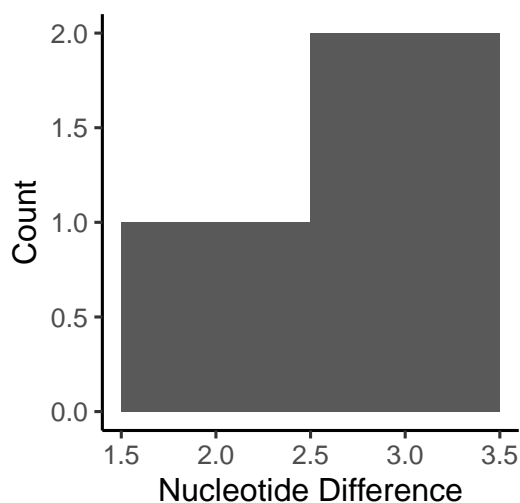
### TRBV28\*ap01

13316 sequences assigned  
13165 (98.9%) exact matches, in which:  
12853 unique CDR3  
13 unique J



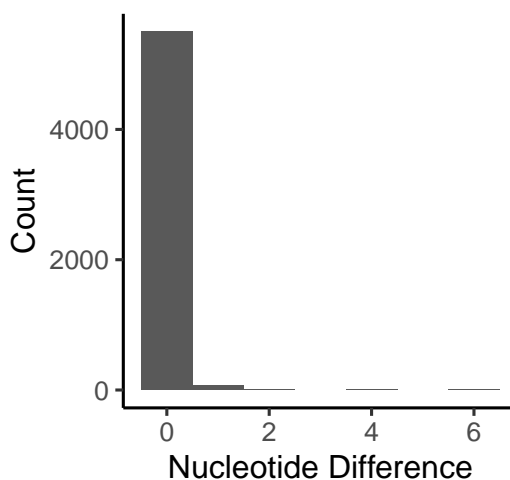
### TRBV17\*ap01

3 sequences assigned  
No exact matches.



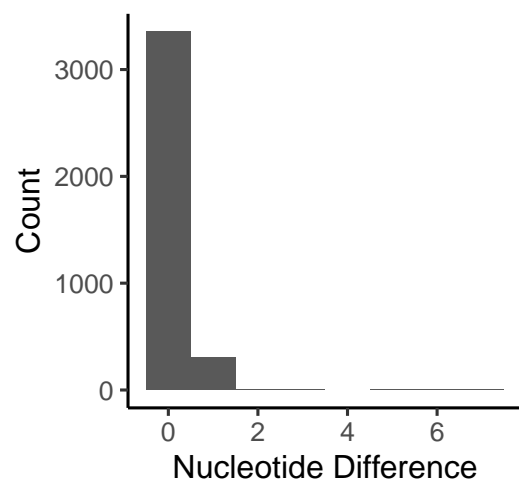
### TRBV2\*ap01

5581 sequences assigned  
5500 (98.5%) exact matches, in which:  
5381 unique CDR3  
13 unique J



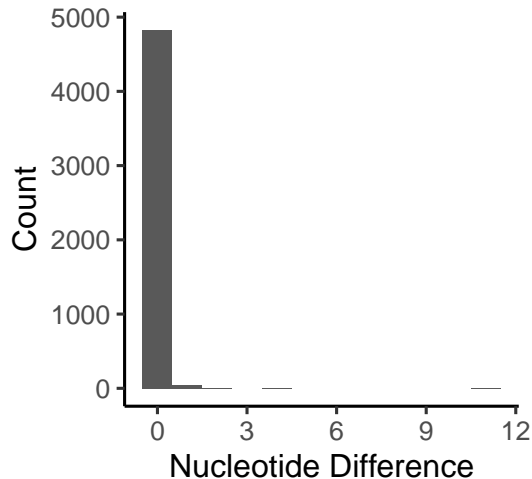
### TRBV30\*ap01

3671 sequences assigned  
3354 (91.4%) exact matches, in which:  
3312 unique CDR3  
13 unique J



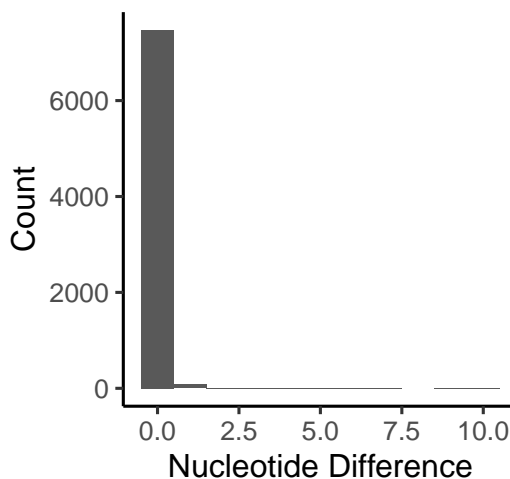
### TRBV18\*ap01

4872 sequences assigned  
4826 (99.1%) exact matches, in which:  
4726 unique CDR3  
13 unique J



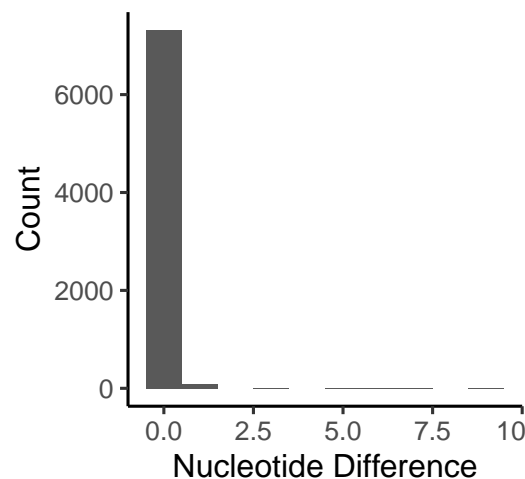
### TRBV27\*ap01

7570 sequences assigned  
7471 (98.7%) exact matches, in which:  
7263 unique CDR3  
14 unique J



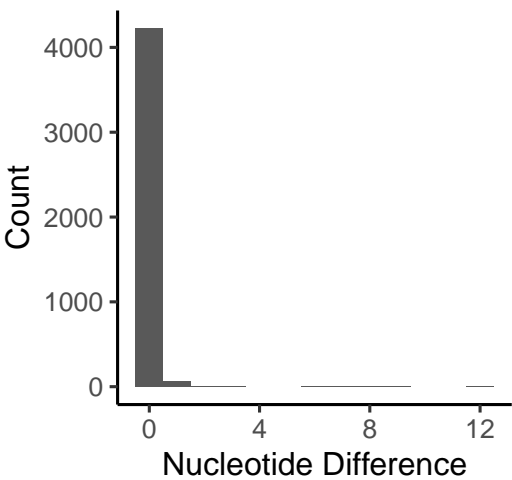
### TRBV9\*ap01

7410 sequences assigned  
7319 (98.8%) exact matches, in which:  
7161 unique CDR3  
13 unique J



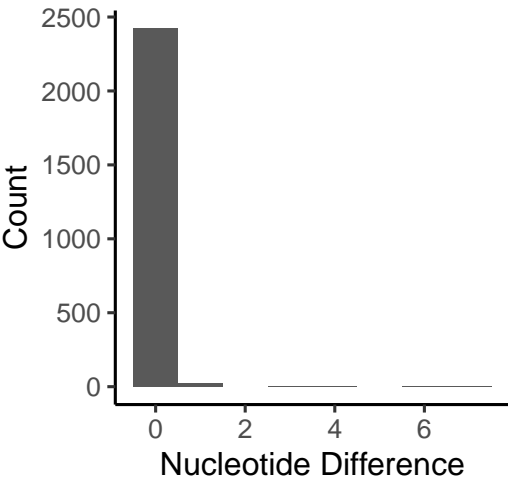
TRBV21-1\*ap01

4305 sequences assigned  
4224 (98.1%) exact matches, in which:  
4123 unique CDR3  
13 unique J



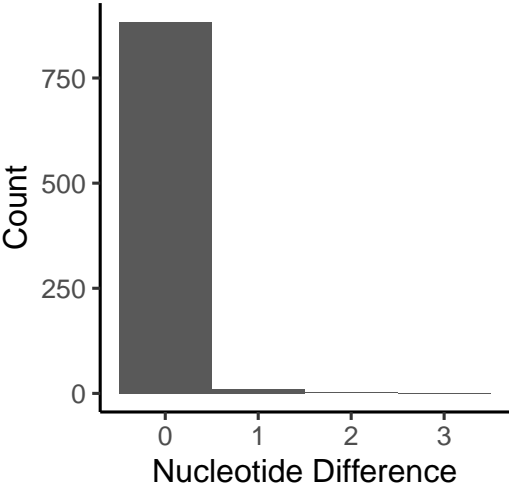
TRBV11-3\*ap01

2450 sequences assigned  
2423 (98.9%) exact matches, in which:  
2368 unique CDR3  
13 unique J



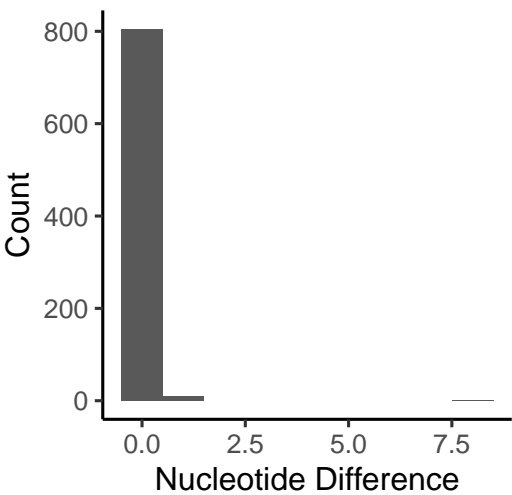
TRBV12-5\*ap01

897 sequences assigned  
884 (98.6%) exact matches, in which:  
857 unique CDR3  
13 unique J



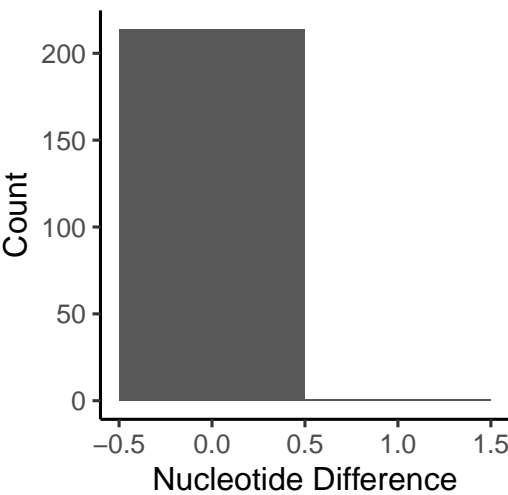
TRBV11-1\*ap01

816 sequences assigned  
805 (98.7%) exact matches, in which:  
791 unique CDR3  
13 unique J



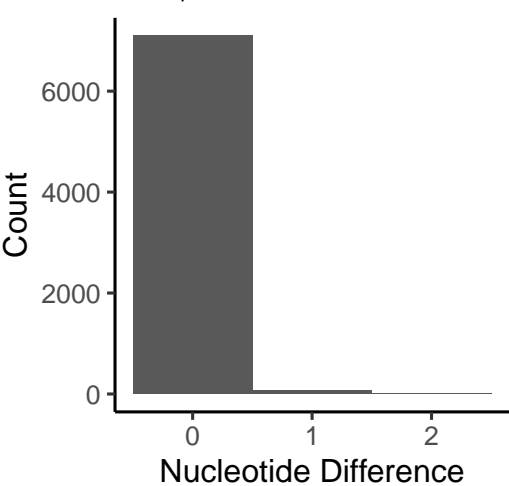
TRBV12-1\*ap01

215 sequences assigned  
214 (99.5%) exact matches, in which:  
207 unique CDR3  
13 unique J



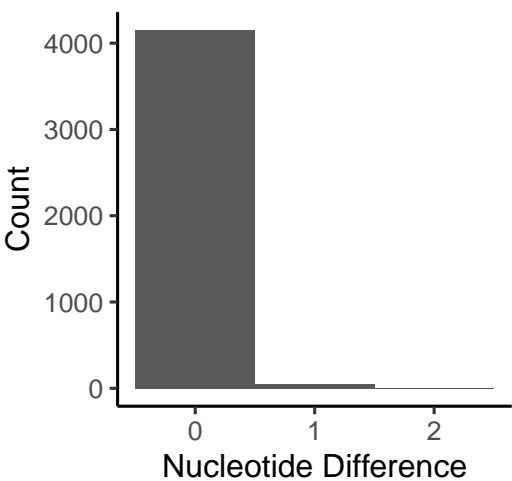
TRBV12-34\*ap01

7186 sequences assigned  
7098 (98.8%) exact matches, in which:  
6922 unique CDR3  
13 unique J



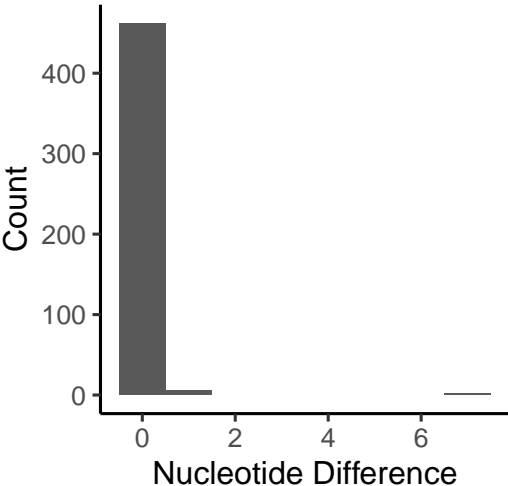
TRBV11-2\*ap01

4206 sequences assigned  
4152 (98.7%) exact matches, in which:  
4049 unique CDR3  
13 unique J



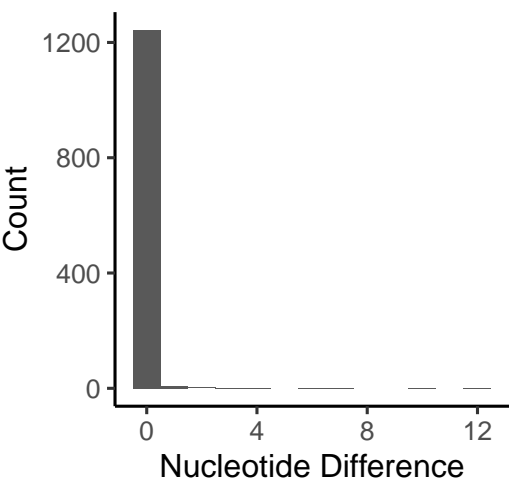
TRBV12-2\*ap01

470 sequences assigned  
462 (98.3%) exact matches, in which:  
453 unique CDR3  
13 unique J



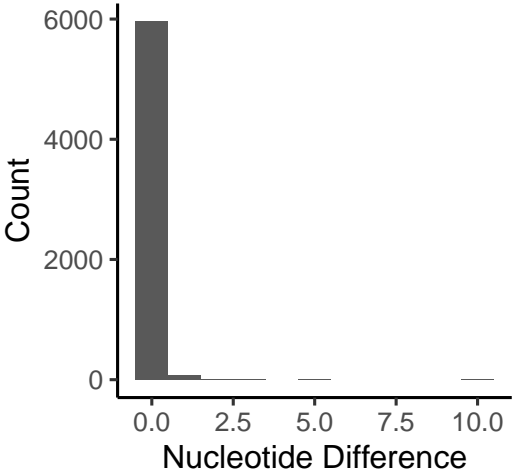
TRBV23-1\*ap01

1263 sequences assigned  
1243 (98.4%) exact matches, in which:  
1204 unique CDR3  
13 unique J



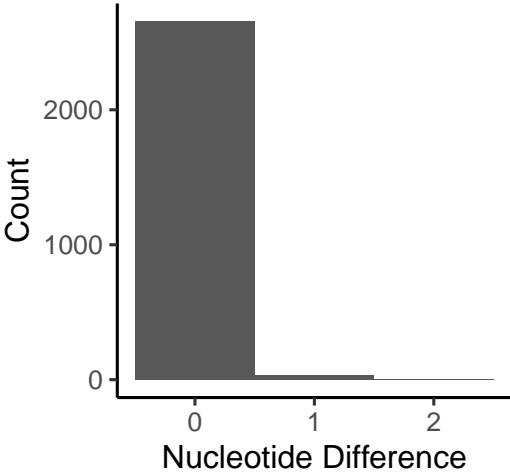
TRBV3-12\*ap01

6040 sequences assigned  
5961 (98.7%) exact matches, in which:  
5809 unique CDR3  
13 unique J



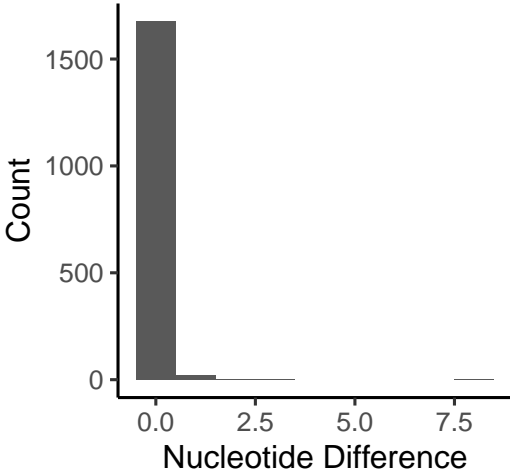
TRBV4-2\*ap01

2694 sequences assigned  
2655 (98.6%) exact matches, in which:  
2605 unique CDR3  
13 unique J



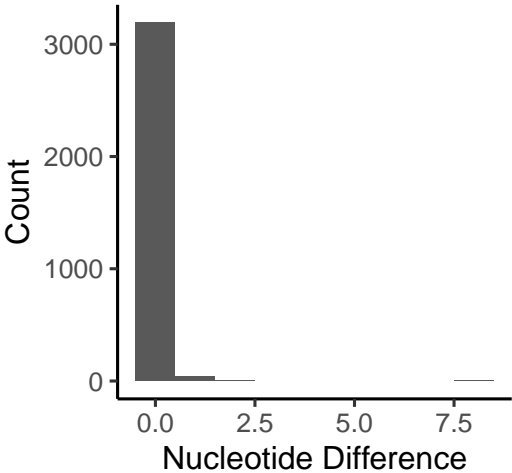
TRBV25-1\*ap01

1703 sequences assigned  
1676 (98.4%) exact matches, in which:  
1646 unique CDR3  
13 unique J



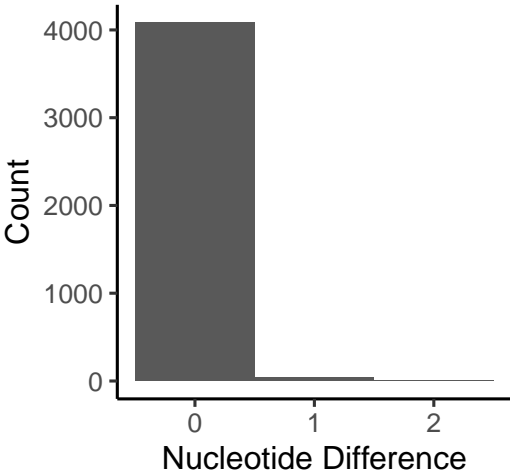
TRBV4-1\*ap01

3238 sequences assigned  
3192 (98.6%) exact matches, in which:  
3117 unique CDR3  
13 unique J



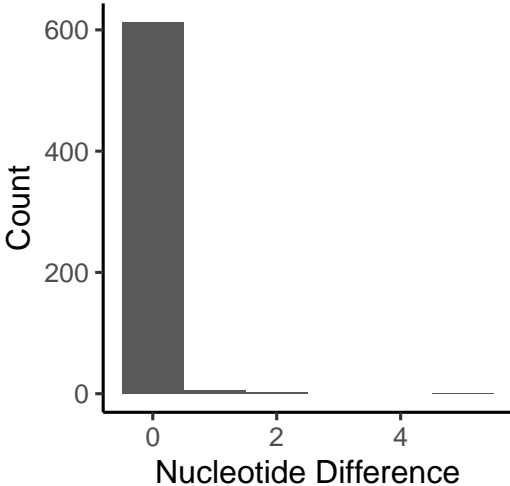
TRBV4-3\*ap01

4136 sequences assigned  
4082 (98.7%) exact matches, in which:  
3986 unique CDR3  
13 unique J



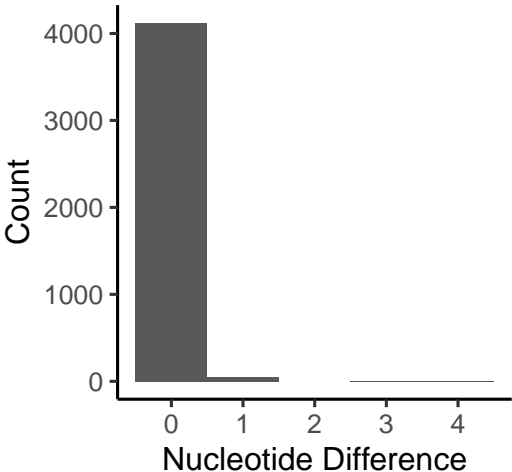
TRBV5-3\*ap01

621 sequences assigned  
613 (98.7%) exact matches, in which:  
600 unique CDR3  
13 unique J



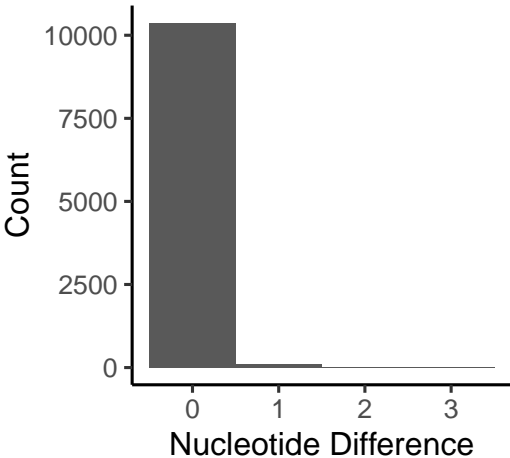
TRBV24-1\*ap01

4172 sequences assigned  
4120 (98.8%) exact matches, in which:  
4031 unique CDR3  
14 unique J



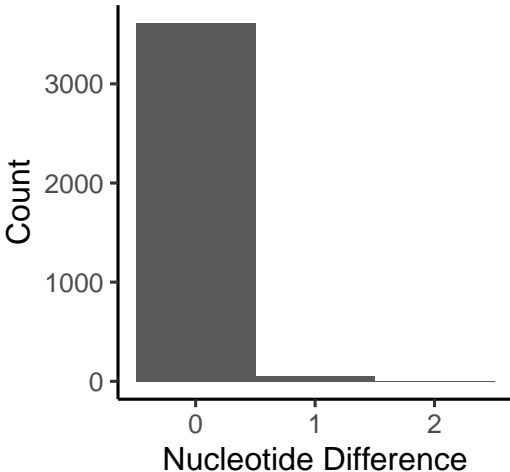
TRBV5-1\*ap01

10502 sequences assigned  
10375 (98.8%) exact matches, in which:  
10100 unique CDR3  
13 unique J



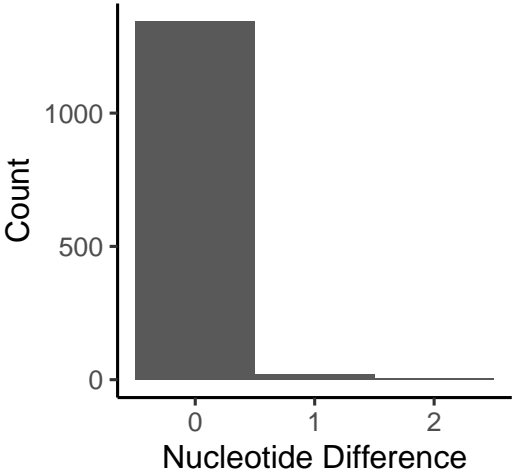
TRBV5-4\*ap01

3670 sequences assigned  
3613 (98.4%) exact matches, in which:  
3526 unique CDR3  
13 unique J



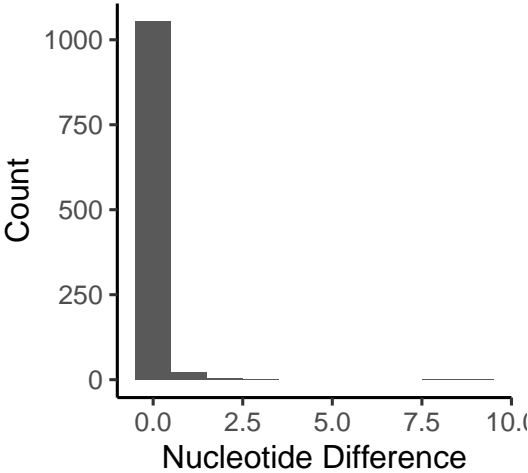
TRBV5-5\*ap01

1369 sequences assigned  
1344 (98.2%) exact matches, in which:  
1315 unique CDR3  
13 unique J



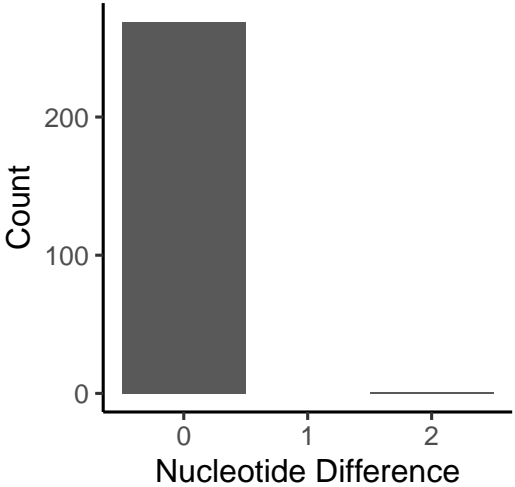
TRBV5-8\*ap01

1083 sequences assigned  
1054 (97.3%) exact matches, in which:  
1035 unique CDR3  
13 unique J



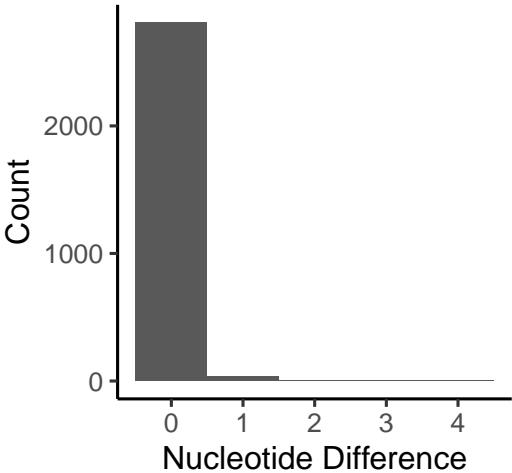
TRBV6-7\*ap01

270 sequences assigned  
269 (99.6%) exact matches, in which:  
265 unique CDR3  
13 unique J



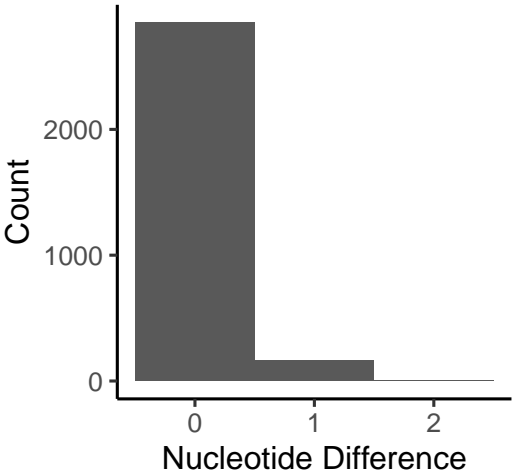
TRBV5-6\*ap01

2847 sequences assigned  
2809 (98.7%) exact matches, in which:  
2725 unique CDR3  
13 unique J



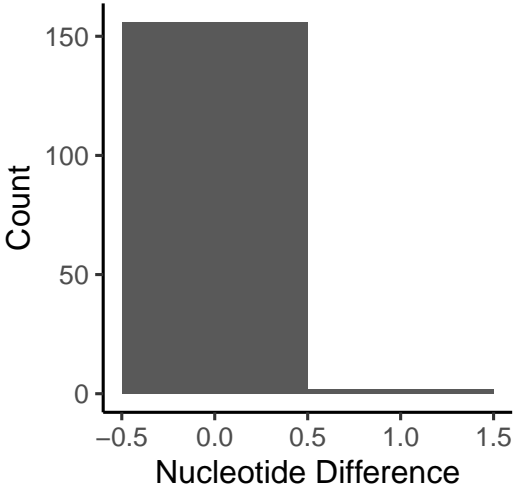
TRBV6-1\*ap01

3015 sequences assigned  
2848 (94.5%) exact matches, in which:  
2777 unique CDR3  
13 unique J



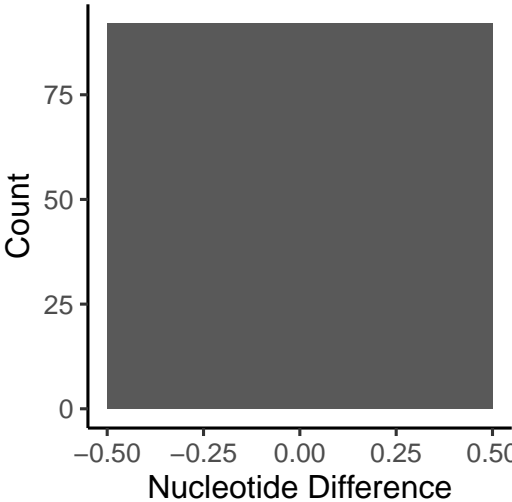
TRBV6-8\*ap01

158 sequences assigned  
156 (98.7%) exact matches, in which:  
151 unique CDR3  
13 unique J



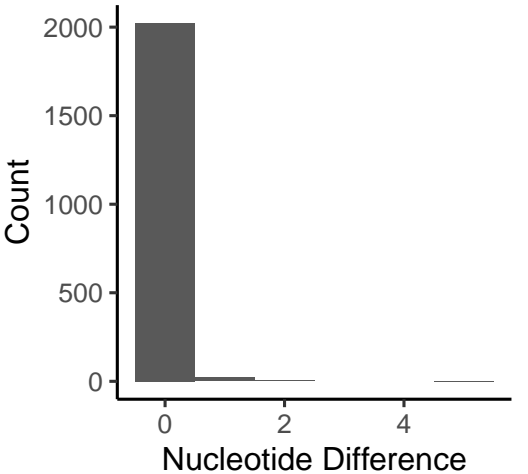
TRBV5-7\*ap01

92 sequences assigned  
92 (100%) exact matches, in which:  
88 unique CDR3  
13 unique J



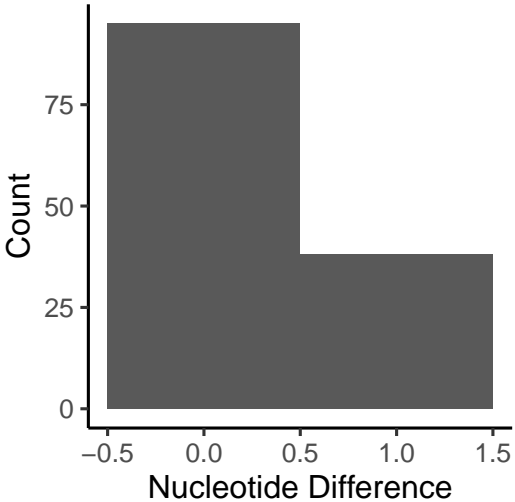
TRBV6-4\*ap01

2050 sequences assigned  
2023 (98.7%) exact matches, in which:  
1986 unique CDR3  
13 unique J



TRBV6-9\*ap01

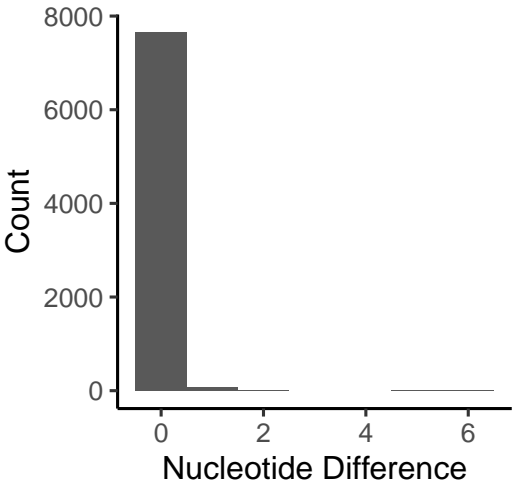
133 sequences assigned  
95 (71.4%) exact matches, in which:  
93 unique CDR3  
11 unique J





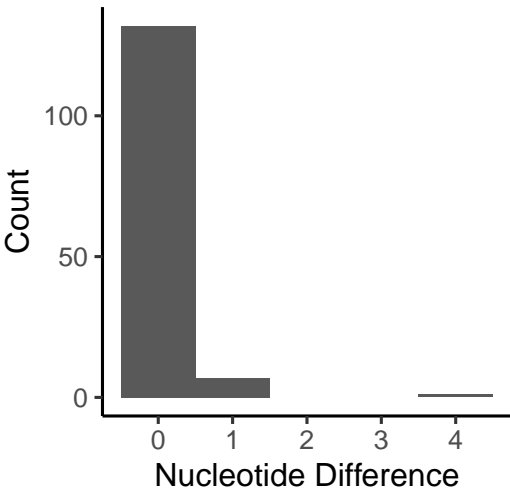
TRBV6-23\*ap01

7743 sequences assigned  
7651 (98.8%) exact matches, in which:  
7487 unique CDR3  
13 unique J



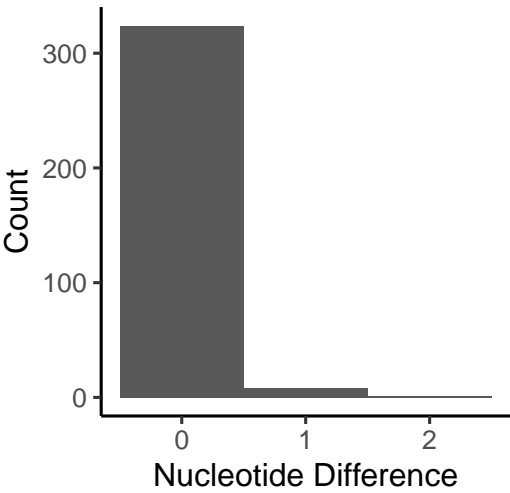
TRBV7-1\*ap01\_G291C\_

140 sequences assigned  
132 (94.3%) exact matches, in which:  
130 unique CDR3  
13 unique J



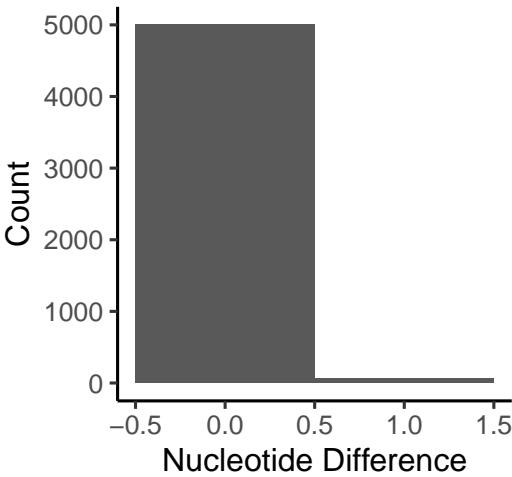
TRBV7-4\*ap01

333 sequences assigned  
324 (97.3%) exact matches, in which:  
311 unique CDR3  
13 unique J



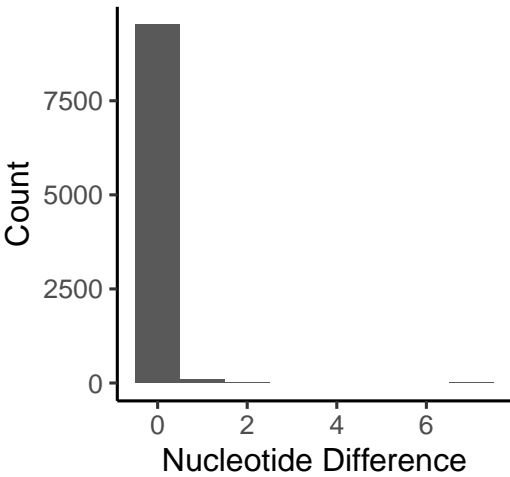
TRBV6-56\*ap01

5059 sequences assigned  
5002 (98.9%) exact matches, in which:  
4887 unique CDR3  
13 unique J



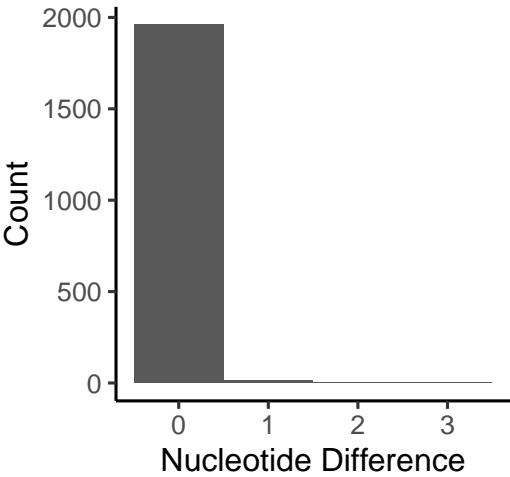
TRBV7-2\*ap01

9618 sequences assigned  
9520 (99%) exact matches, in which:  
9306 unique CDR3  
13 unique J



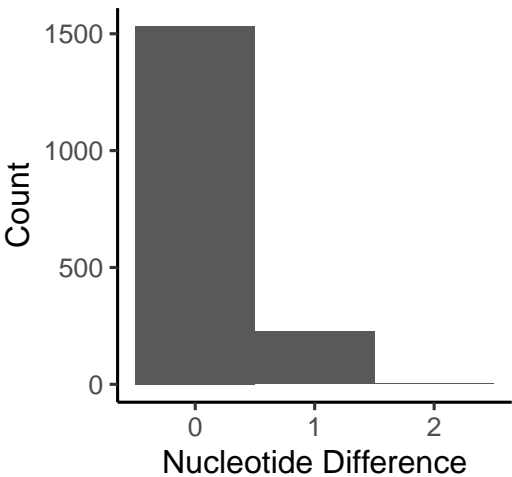
TRBV7-6\*ap01

1976 sequences assigned  
1960 (99.2%) exact matches, in which:  
1905 unique CDR3  
13 unique J



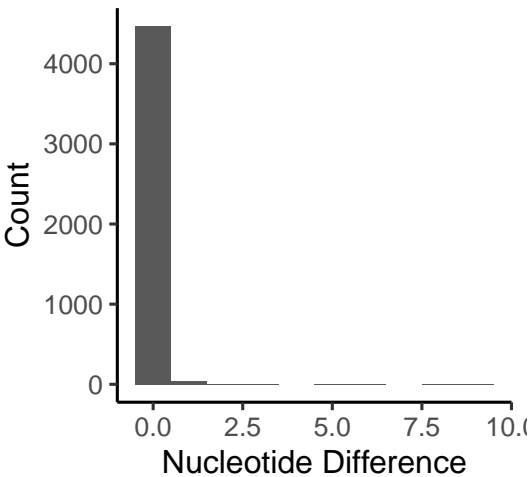
TRBV6-56\*ap02

1762 sequences assigned  
1533 (87%) exact matches, in which:  
1496 unique CDR3  
13 unique J



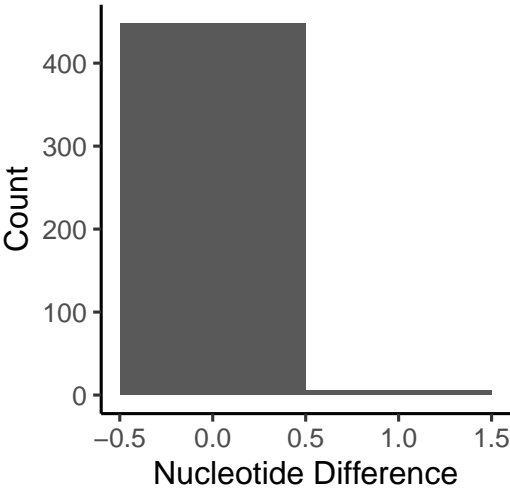
TRBV7-3\*ap01

4518 sequences assigned  
4470 (98.9%) exact matches, in which:  
4385 unique CDR3  
13 unique J



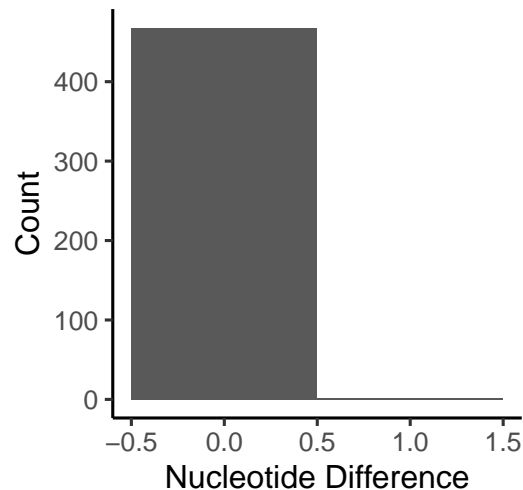
TRBV7-7\*ap01

453 sequences assigned  
448 (98.9%) exact matches, in which:  
439 unique CDR3  
13 unique J



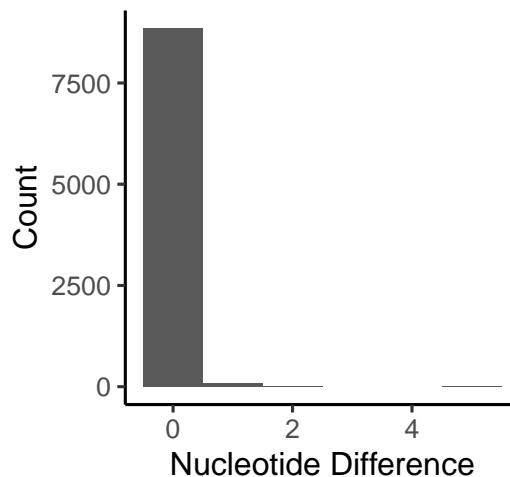
### TRBV7-7\*ap01\_C315T

470 sequences assigned  
468 (99.6%) exact matches, in which:  
457 unique CDR3  
13 unique J



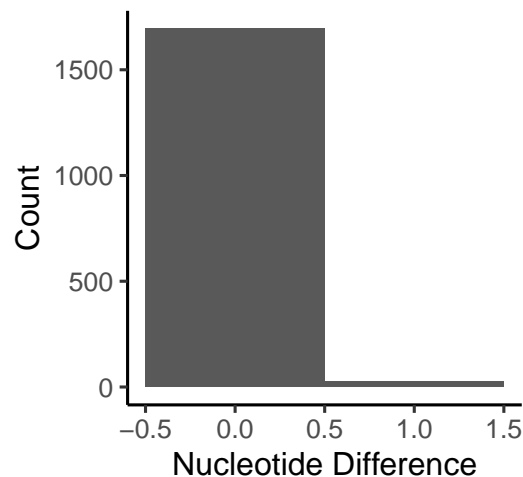
### TRBV7-9\*ap01

8935 sequences assigned  
8848 (99%) exact matches, in which:  
8663 unique CDR3  
13 unique J



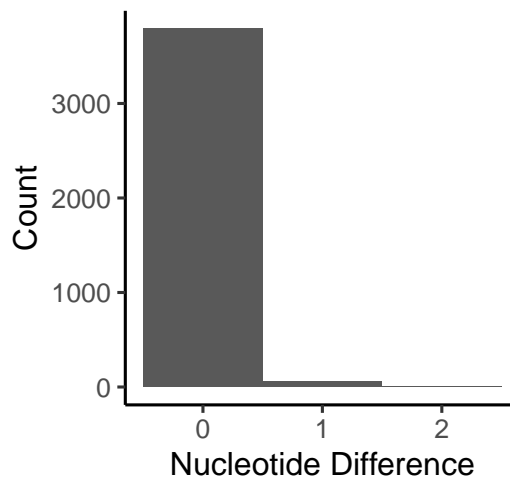
### TRBV7-8\*ap01

1719 sequences assigned  
1694 (98.5%) exact matches, in which:  
1654 unique CDR3  
13 unique J



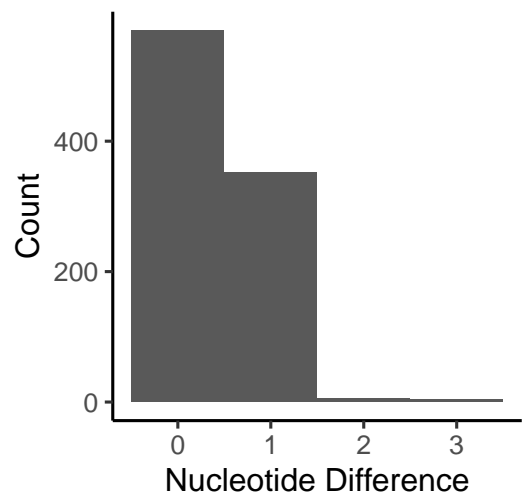
### TRBV29-1\*ap01

3849 sequences assigned  
3791 (98.5%) exact matches, in which:  
3714 unique CDR3  
13 unique J



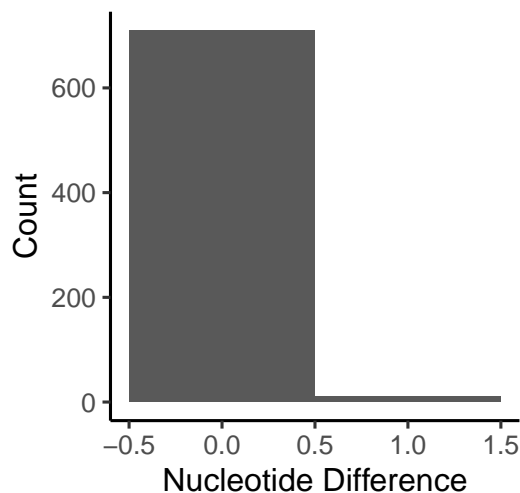
### TRBV7-8\*ap03

932 sequences assigned  
570 (61.2%) exact matches, in which:  
555 unique CDR3  
13 unique J

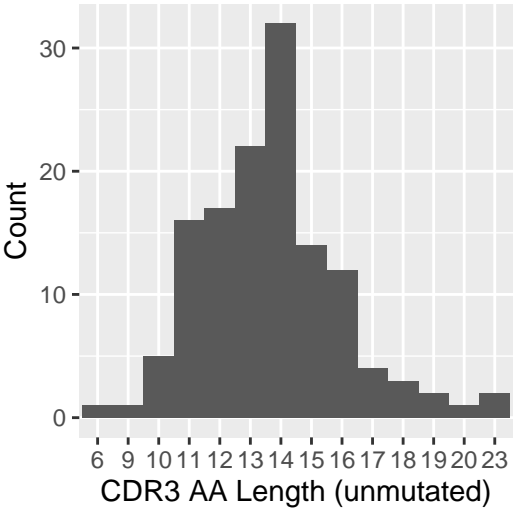


### TRBV29-1\*ap02

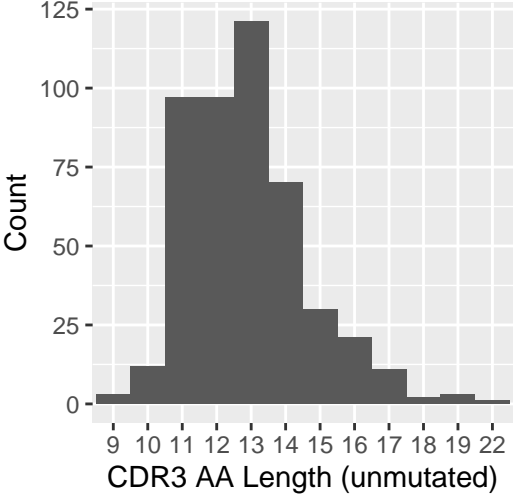
720 sequences assigned  
710 (98.6%) exact matches, in which:  
699 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]