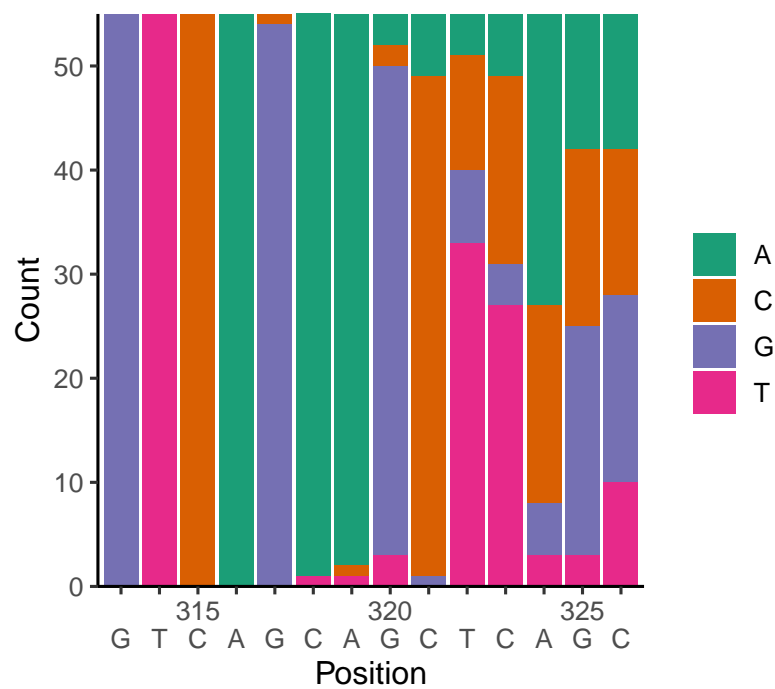
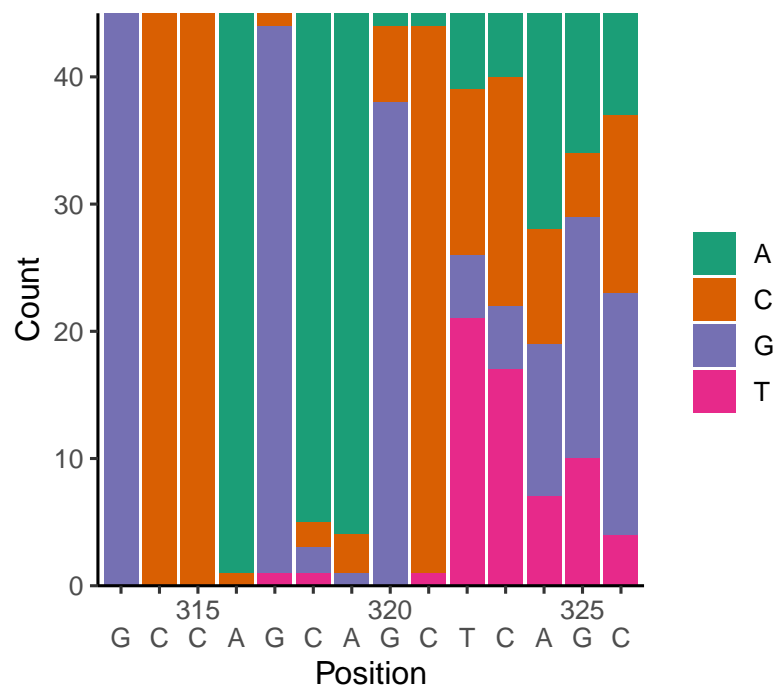


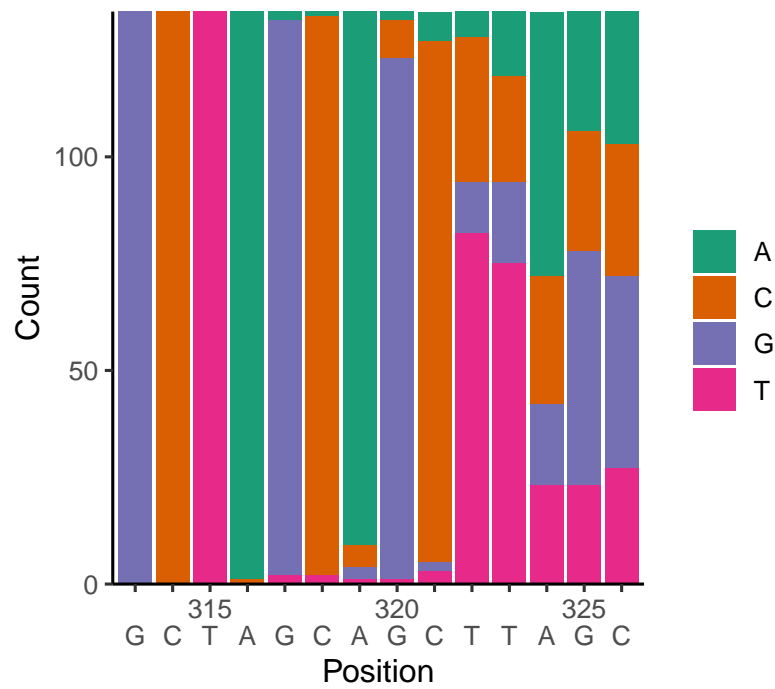
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



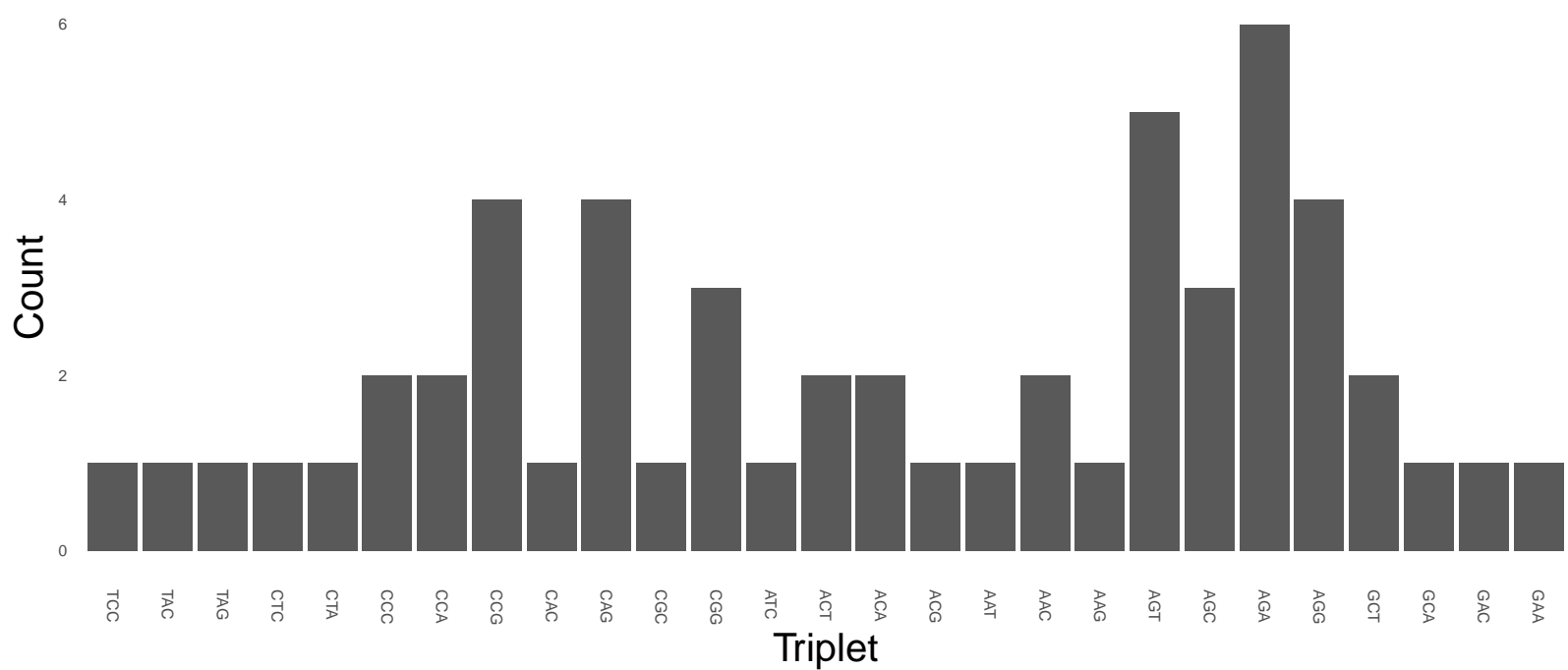
Gene TRBV7-1\*ap01\_G291C\_T296C



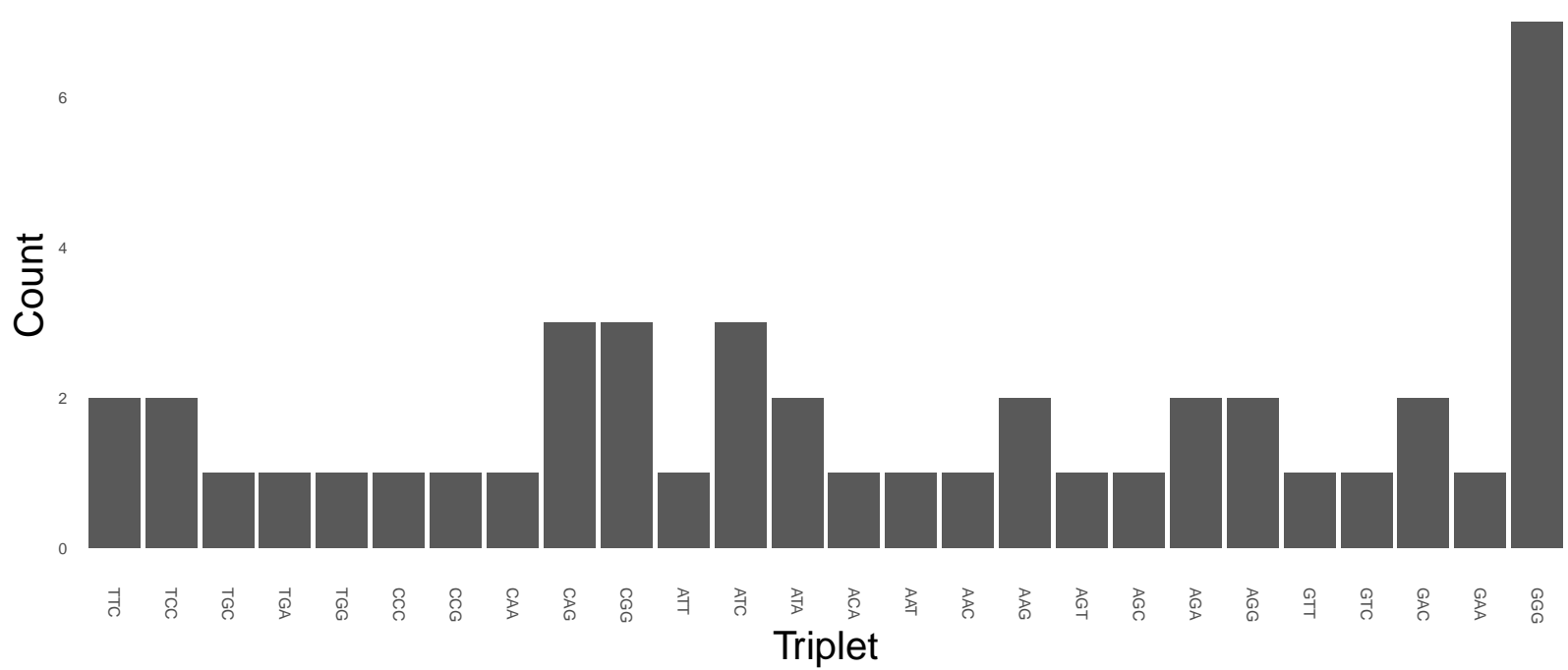
Gene TRBV7-7\*ap01\_C315T



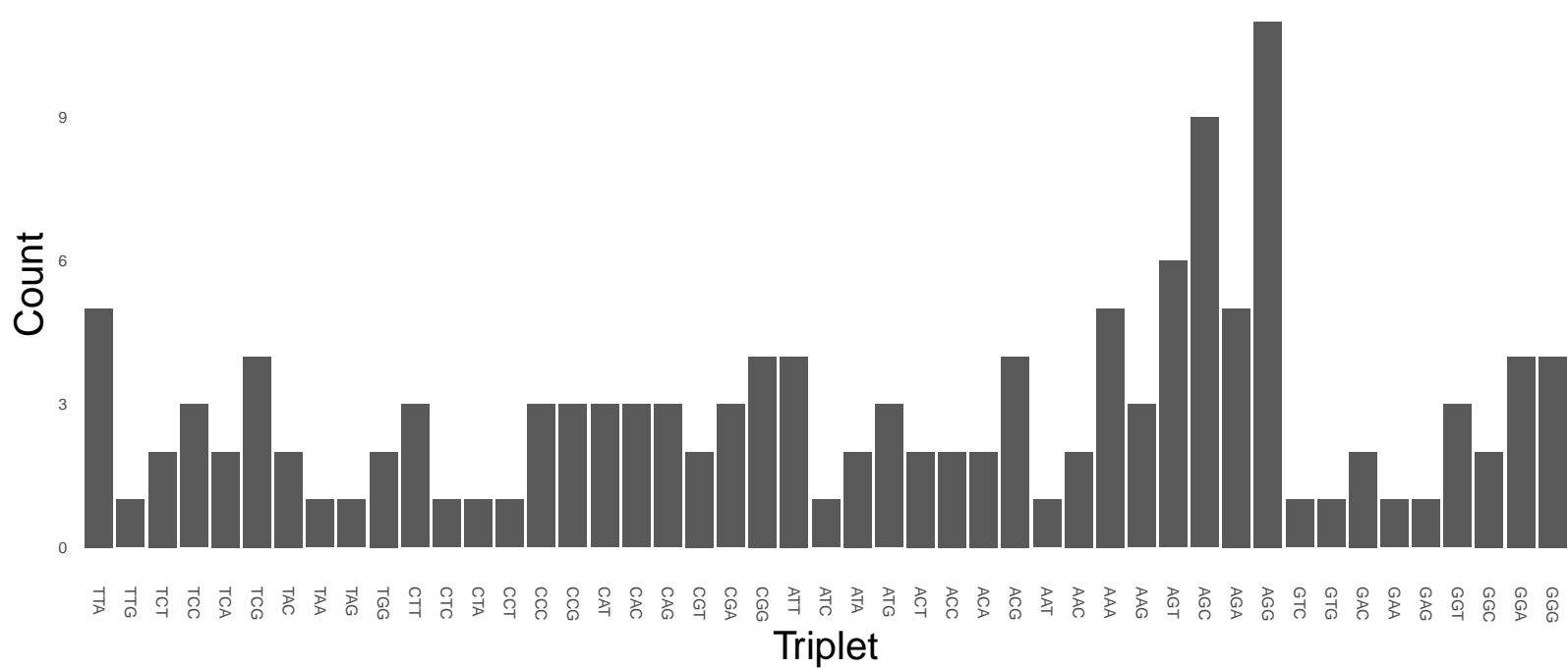
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

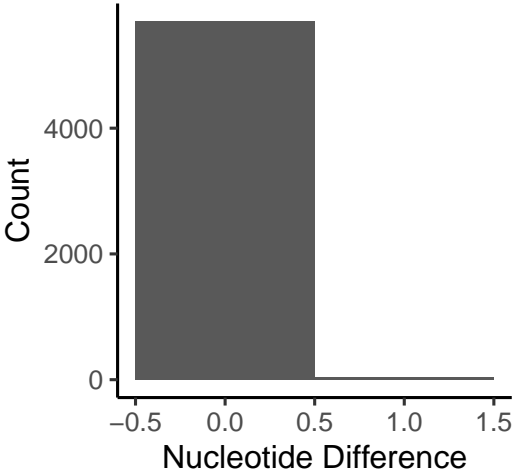


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



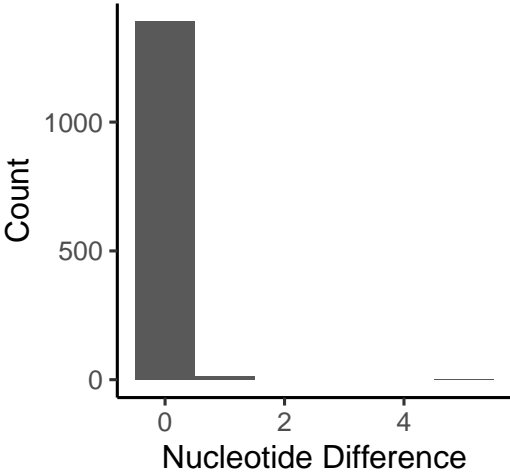
TRBV20-1\*ap01

5738 sequences assigned  
5698 (99.3%) exact matches, in which:  
5652 unique CDR3  
13 unique J



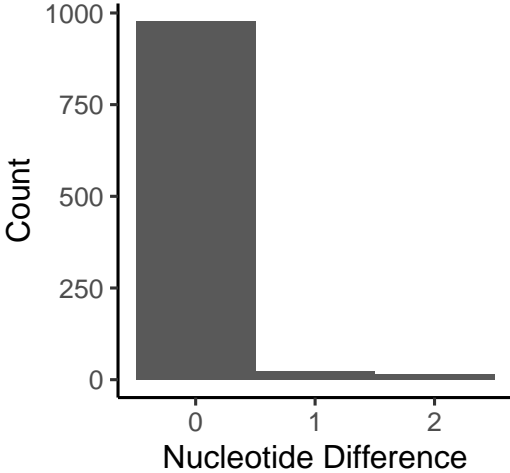
TRBV10-2\*ap01

1405 sequences assigned  
1391 (99%) exact matches, in which:  
1381 unique CDR3  
13 unique J



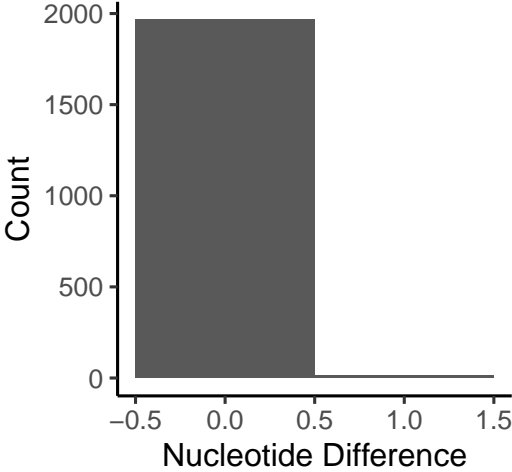
TRBV13\*ap01

1015 sequences assigned  
977 (96.3%) exact matches, in which:  
956 unique CDR3  
13 unique J



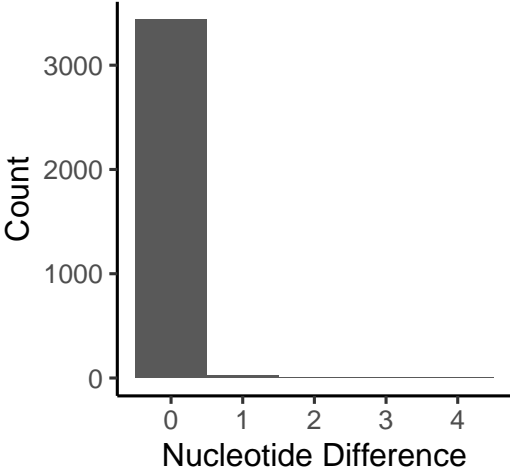
TRBV10-1\*ap01

1978 sequences assigned  
1966 (99.4%) exact matches, in which:  
1938 unique CDR3  
13 unique J



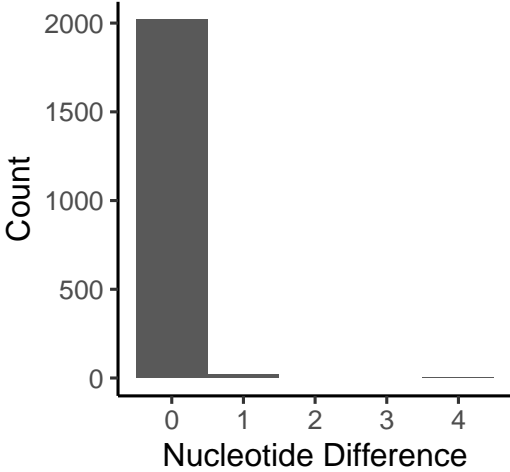
TRBV10-3\*ap01

3467 sequences assigned  
3436 (99.1%) exact matches, in which:  
3394 unique CDR3  
13 unique J



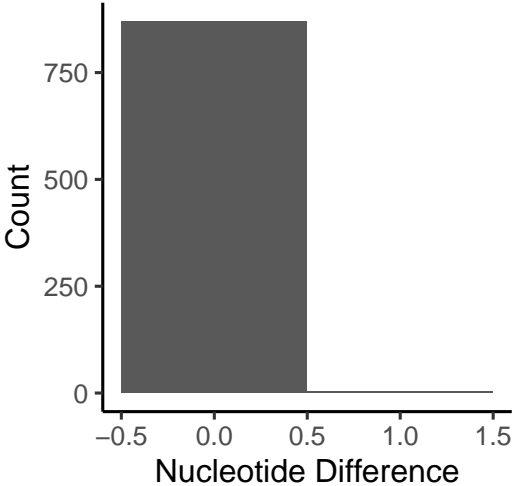
TRBV14\*ap01

2038 sequences assigned  
2019 (99.1%) exact matches, in which:  
1998 unique CDR3  
13 unique J



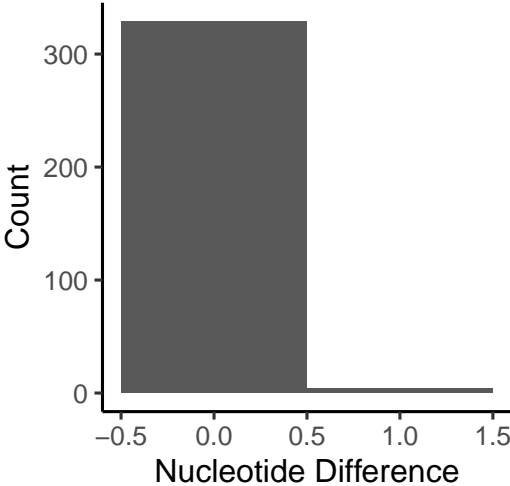
TRBV20-1\*ap02

874 sequences assigned  
870 (99.5%) exact matches, in which:  
862 unique CDR3  
13 unique J



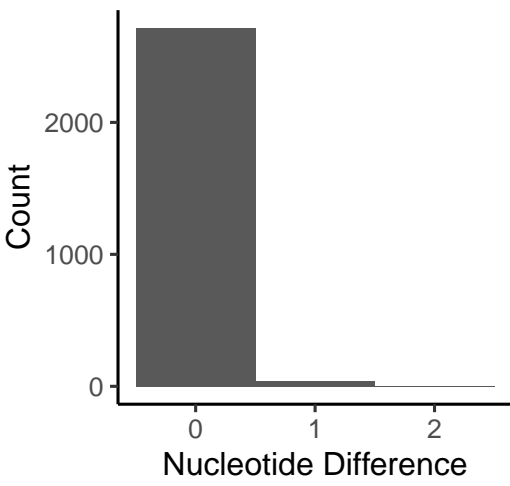
TRBV1\*ap01

333 sequences assigned  
329 (98.8%) exact matches, in which:  
325 unique CDR3  
13 unique J



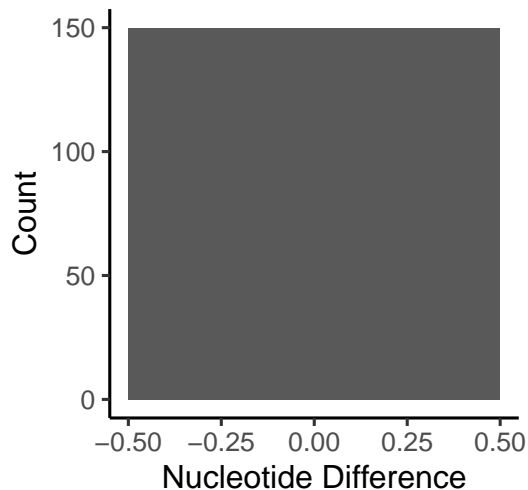
TRBV15\*ap02

2755 sequences assigned  
2715 (98.5%) exact matches, in which:  
2682 unique CDR3  
13 unique J



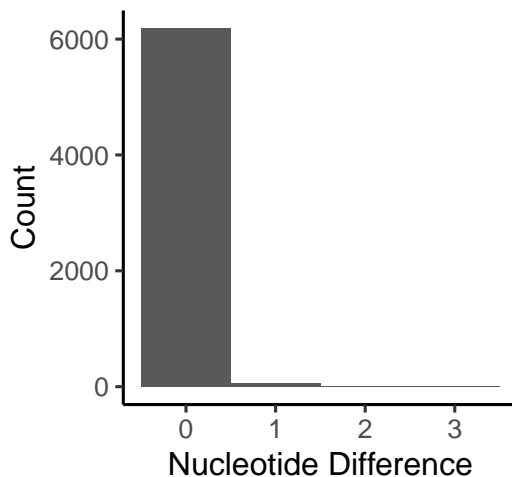
### TRBV16\*ap01

150 sequences assigned  
150 (100%) exact matches, in which:  
150 unique CDR3  
13 unique J



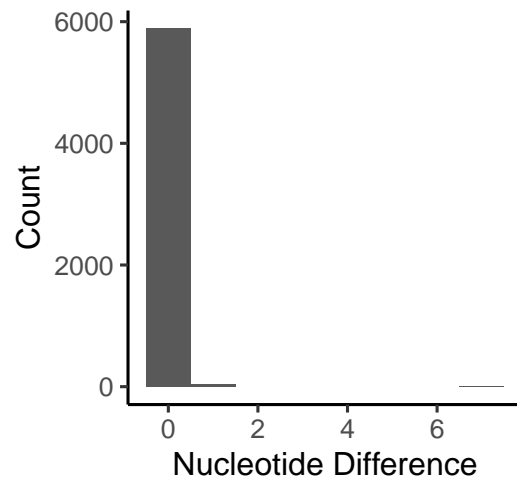
### TRBV2\*ap01

6243 sequences assigned  
6184 (99.1%) exact matches, in which:  
6104 unique CDR3  
13 unique J



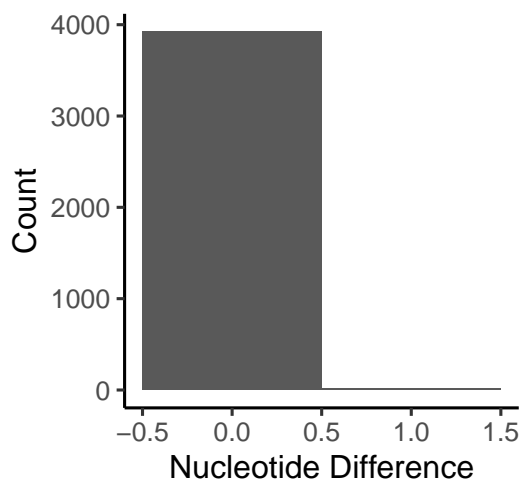
### TRBV28\*ap01

5940 sequences assigned  
5889 (99.1%) exact matches, in which:  
5838 unique CDR3  
13 unique J



### TRBV18\*ap01

3940 sequences assigned  
3923 (99.6%) exact matches, in which:  
3910 unique CDR3  
13 unique J



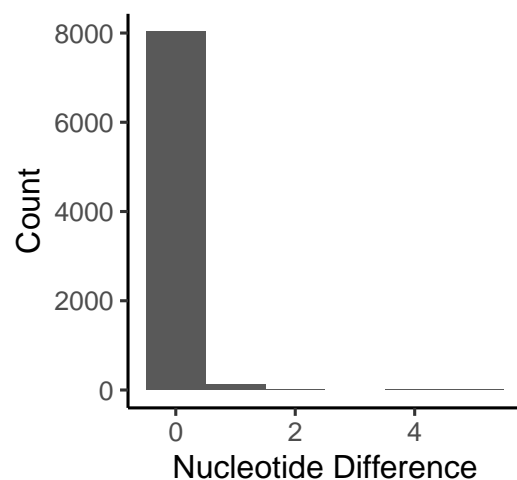
### TRBV26\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



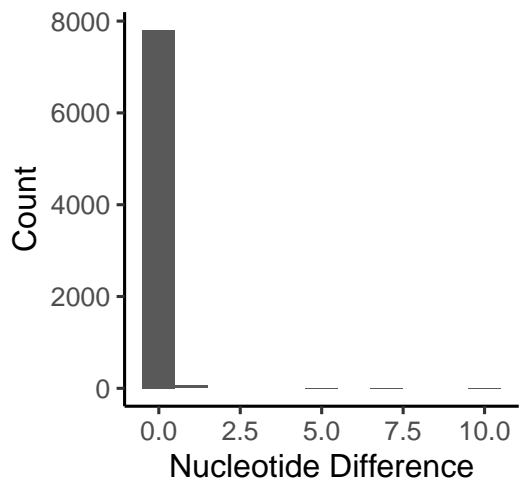
### TRBV30\*ap01

8161 sequences assigned  
8029 (98.4%) exact matches, in which:  
7882 unique CDR3  
13 unique J



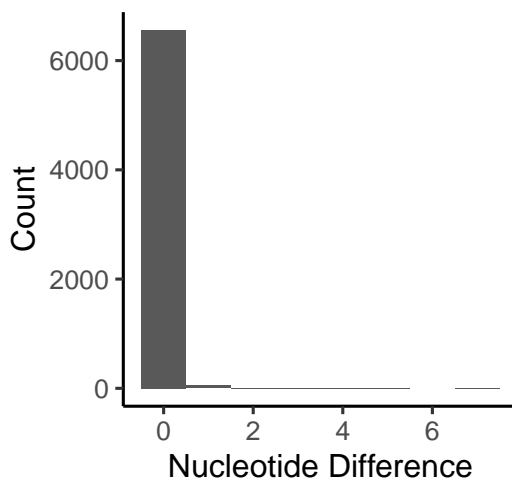
### TRBV19\*ap01

7871 sequences assigned  
7805 (99.2%) exact matches, in which:  
7751 unique CDR3  
13 unique J



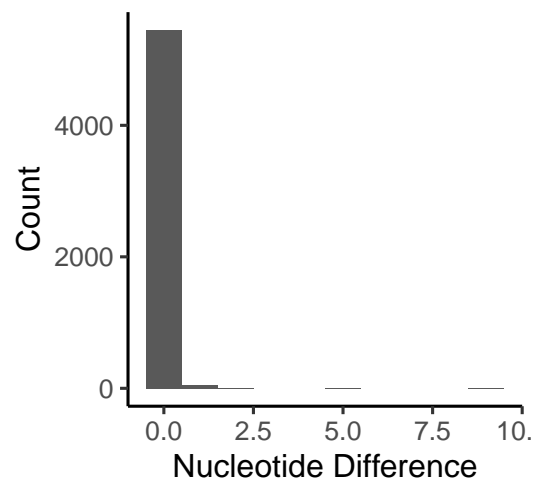
### TRBV27\*ap01

6622 sequences assigned  
6559 (99%) exact matches, in which:  
6481 unique CDR3  
13 unique J



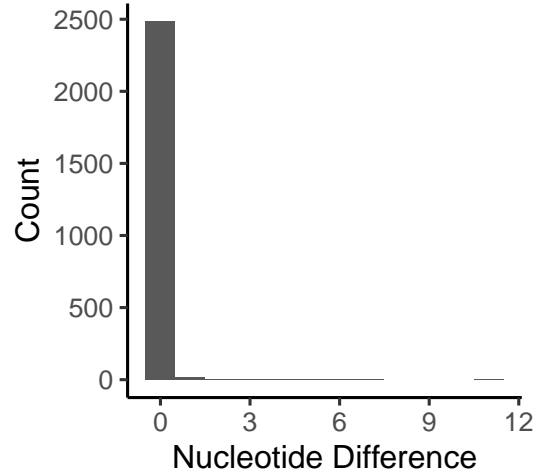
### TRBV9\*ap01

5510 sequences assigned  
5449 (98.9%) exact matches, in which:  
5422 unique CDR3  
13 unique J



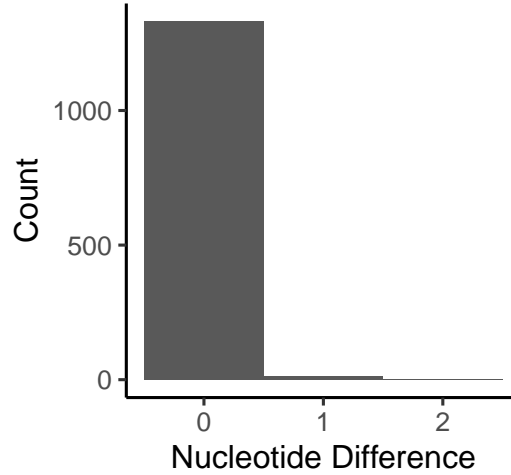
### TRBV21-1\*ap01

2519 sequences assigned  
2485 (98.7%) exact matches, in which:  
2473 unique CDR3  
13 unique J



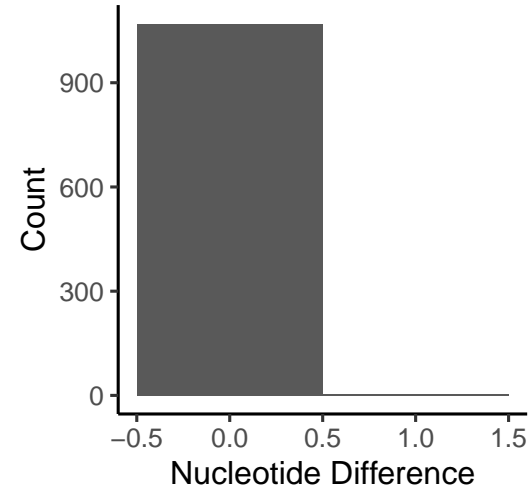
### TRBV11-3\*ap01

1344 sequences assigned  
1331 (99%) exact matches, in which:  
1329 unique CDR3  
13 unique J



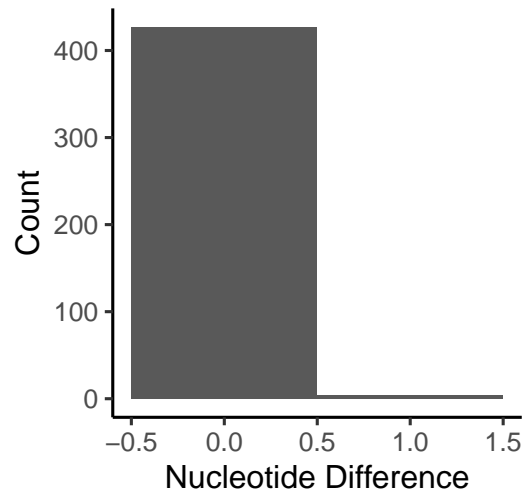
### TRBV12-5\*ap01

1074 sequences assigned  
1070 (99.6%) exact matches, in which:  
1058 unique CDR3  
13 unique J



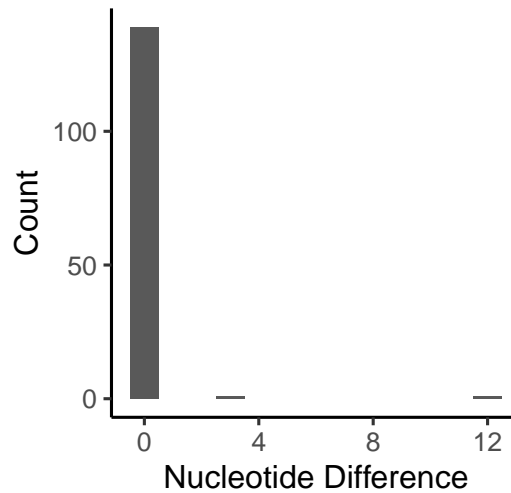
### TRBV11-1\*ap01

431 sequences assigned  
427 (99.1%) exact matches, in which:  
425 unique CDR3  
13 unique J



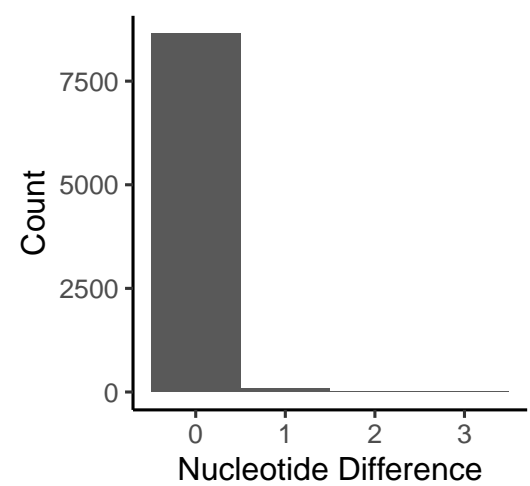
### TRBV12-1\*ap01

141 sequences assigned  
139 (98.6%) exact matches, in which:  
139 unique CDR3  
12 unique J



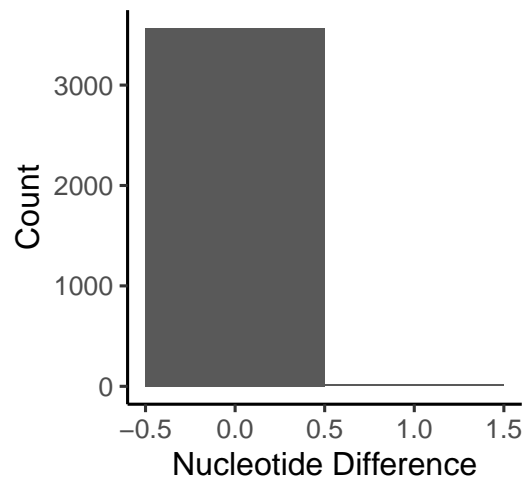
### TRBV12-34\*ap01

8733 sequences assigned  
8644 (99%) exact matches, in which:  
8536 unique CDR3  
13 unique J



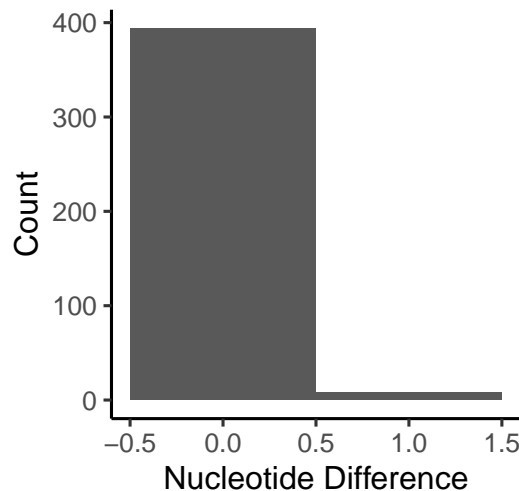
### TRBV11-2\*ap01

3587 sequences assigned  
3568 (99.5%) exact matches, in which:  
3545 unique CDR3  
13 unique J



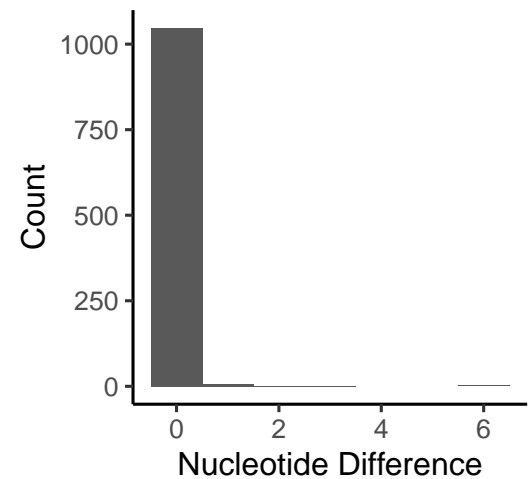
### TRBV12-2\*ap01

402 sequences assigned  
394 (98%) exact matches, in which:  
391 unique CDR3  
13 unique J



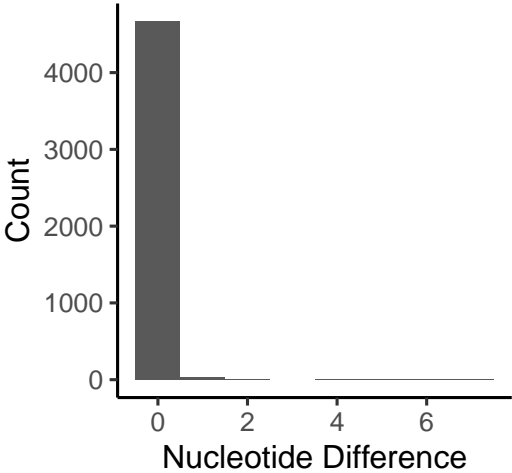
### TRBV23-1\*ap01

1057 sequences assigned  
1047 (99.1%) exact matches, in which:  
1033 unique CDR3  
13 unique J



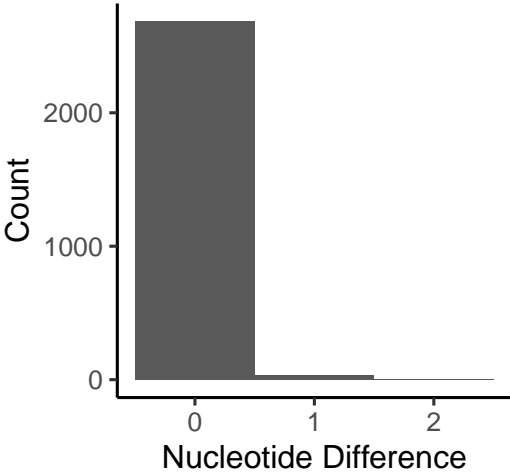
TRBV3-12\*ap01

4704 sequences assigned  
4667 (99.2%) exact matches, in which:  
4641 unique CDR3  
13 unique J



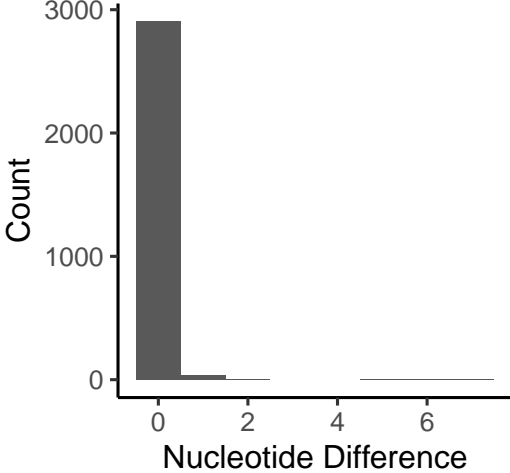
TRBV4-2\*ap01

2722 sequences assigned  
2685 (98.6%) exact matches, in which:  
2651 unique CDR3  
13 unique J



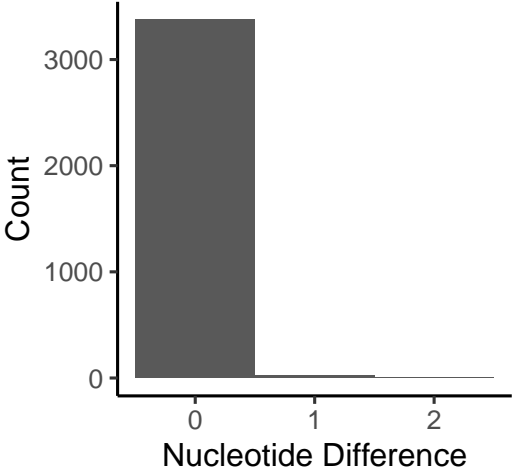
TRBV25-1\*ap01

2944 sequences assigned  
2905 (98.7%) exact matches, in which:  
2829 unique CDR3  
13 unique J



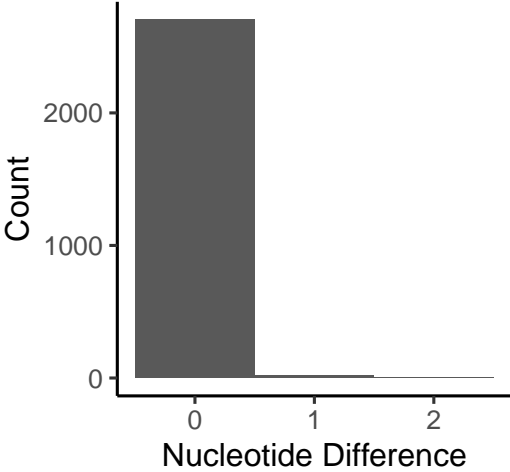
TRBV4-1\*ap01

3403 sequences assigned  
3375 (99.2%) exact matches, in which:  
3324 unique CDR3  
13 unique J



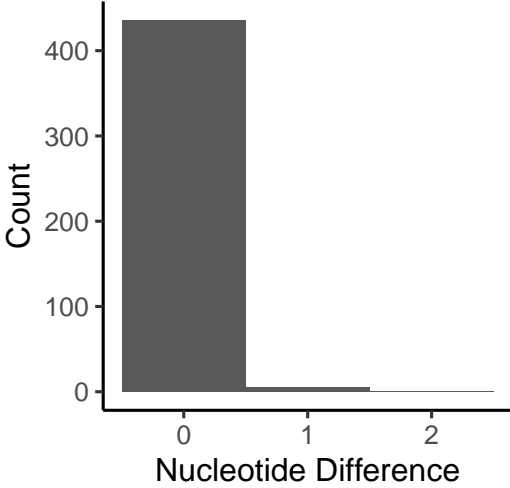
TRBV4-3\*ap01

2723 sequences assigned  
2703 (99.3%) exact matches, in which:  
2674 unique CDR3  
13 unique J



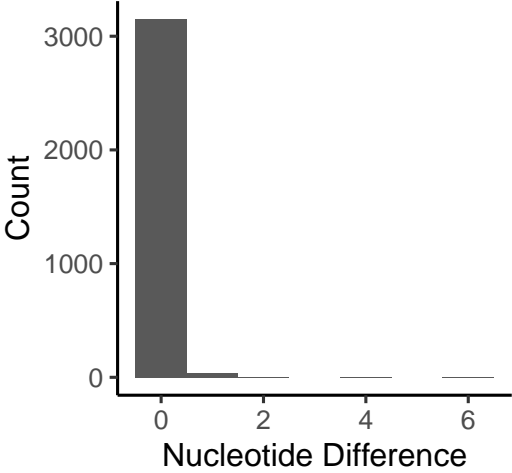
TRBV5-3\*ap01

442 sequences assigned  
436 (98.6%) exact matches, in which:  
430 unique CDR3  
13 unique J



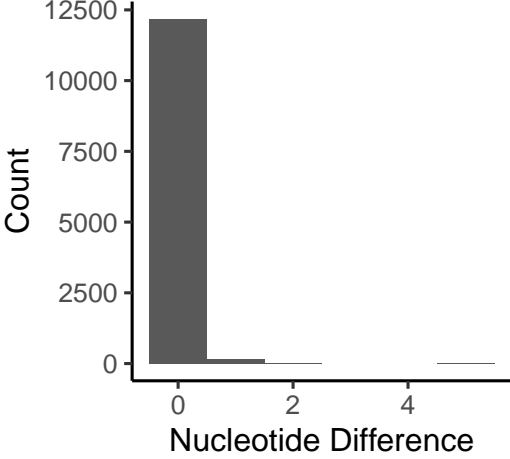
TRBV24-1\*ap01

3193 sequences assigned  
3151 (98.7%) exact matches, in which:  
3127 unique CDR3  
13 unique J



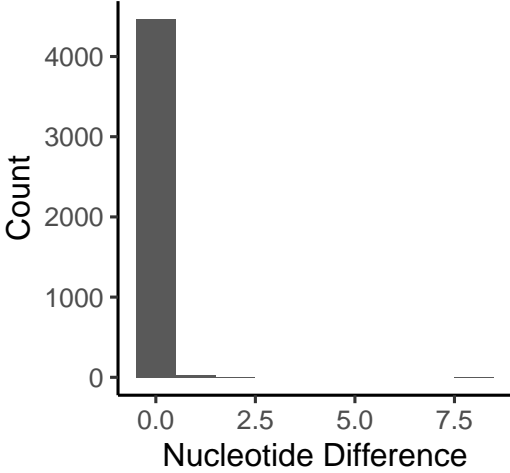
TRBV5-1\*ap01

12339 sequences assigned  
12185 (98.8%) exact matches, in which:  
11995 unique CDR3  
13 unique J



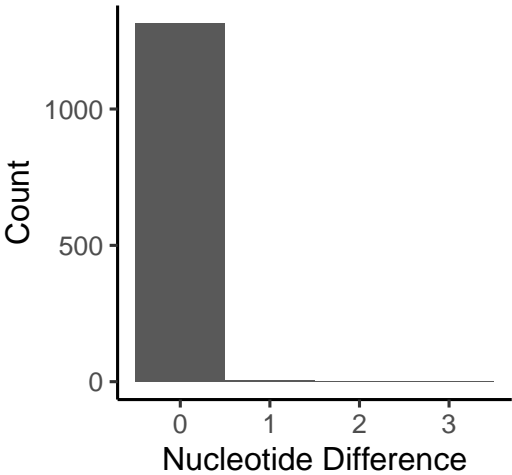
TRBV5-4\*ap01

4500 sequences assigned  
4467 (99.3%) exact matches, in which:  
4409 unique CDR3  
13 unique J



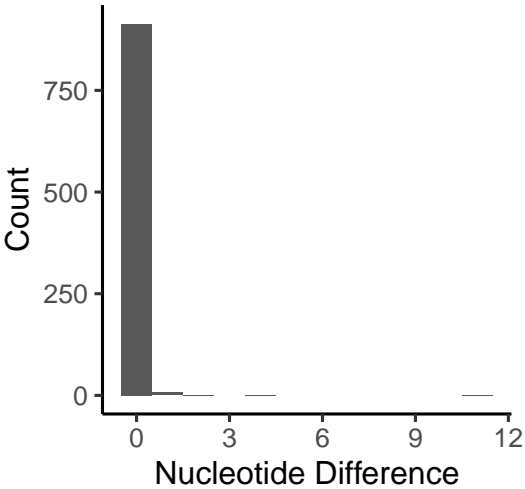
TRBV5-5\*ap01

1321 sequences assigned  
1314 (99.5%) exact matches, in which:  
1307 unique CDR3  
13 unique J



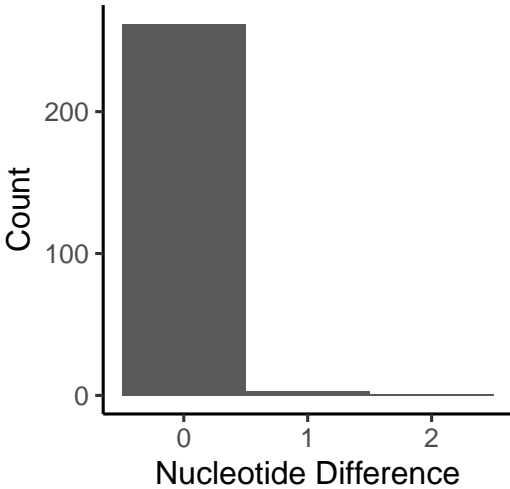
TRBV5-8\*ap01

924 sequences assigned  
914 (98.9%) exact matches, in which:  
903 unique CDR3  
13 unique J



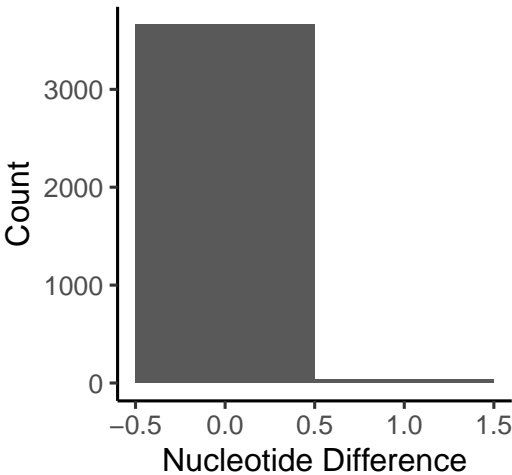
TRBV6-7\*ap01

266 sequences assigned  
262 (98.5%) exact matches, in which:  
254 unique CDR3  
13 unique J



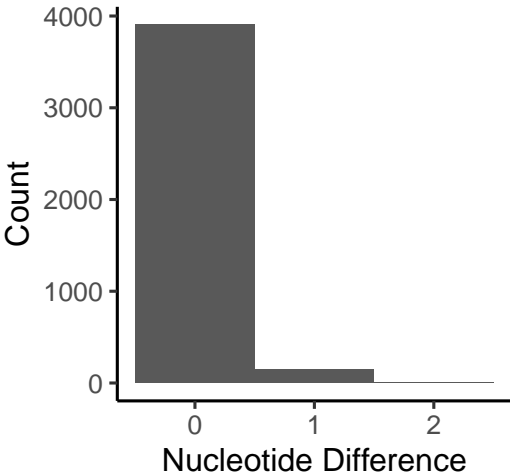
TRBV5-6\*ap01

3699 sequences assigned  
3660 (98.9%) exact matches, in which:  
3593 unique CDR3  
13 unique J



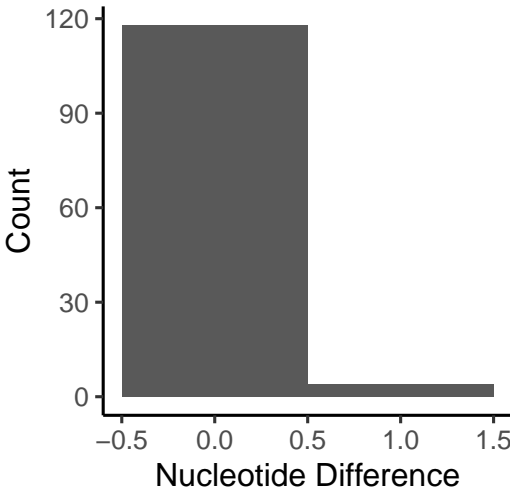
TRBV6-1\*ap01

4053 sequences assigned  
3905 (96.3%) exact matches, in which:  
3836 unique CDR3  
13 unique J



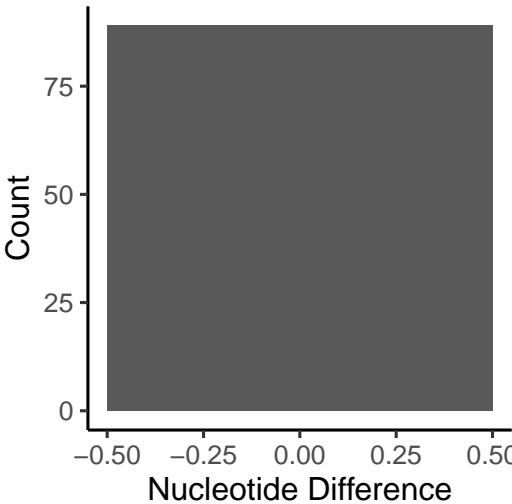
TRBV6-8\*ap01

122 sequences assigned  
118 (96.7%) exact matches, in which:  
116 unique CDR3  
10 unique J



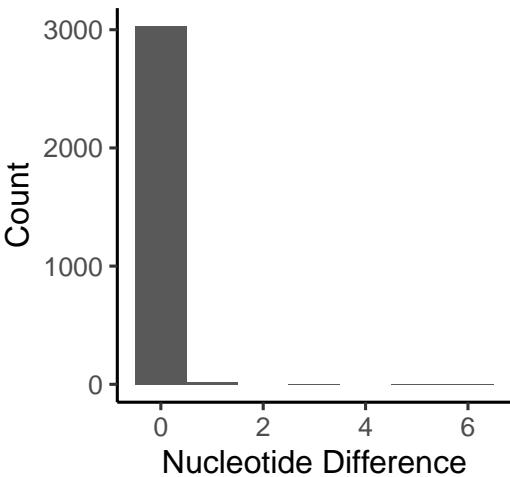
TRBV5-7\*ap01

89 sequences assigned  
89 (100%) exact matches, in which:  
87 unique CDR3  
13 unique J



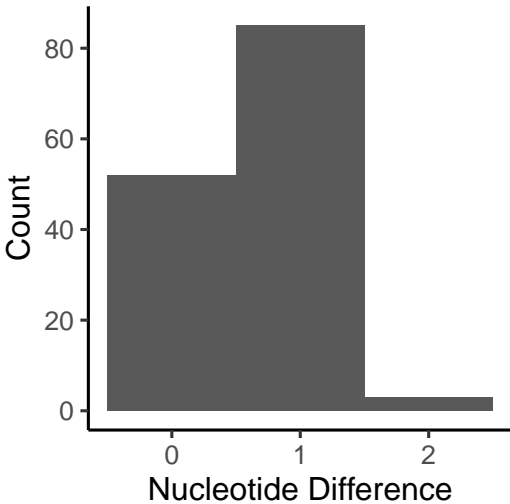
TRBV6-4\*ap01

3056 sequences assigned  
3031 (99.2%) exact matches, in which:  
3018 unique CDR3  
13 unique J



TRBV6-9\*ap01

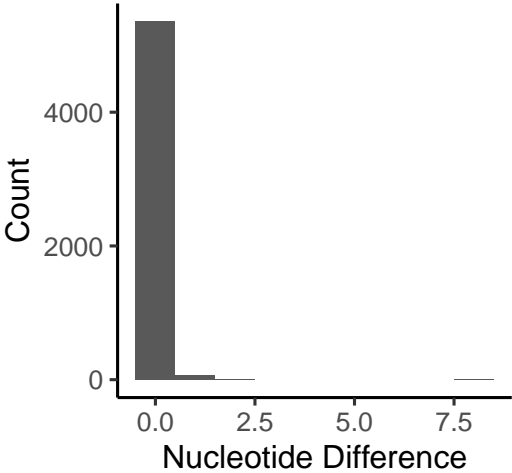
140 sequences assigned  
52 (37.1%) exact matches, in which:  
50 unique CDR3  
11 unique J





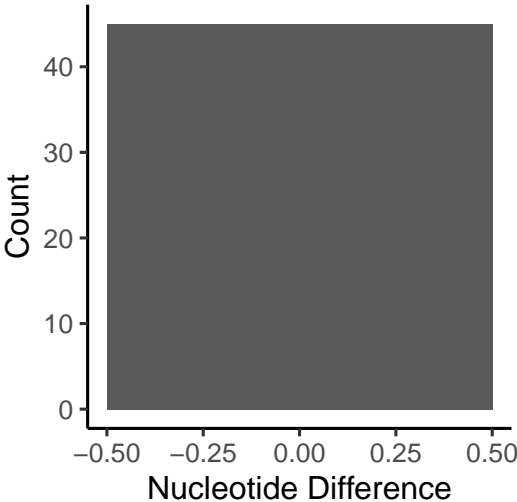
TRBV6-23\*ap01

5425 sequences assigned  
5358 (98.8%) exact matches, in which:  
5238 unique CDR3  
13 unique J



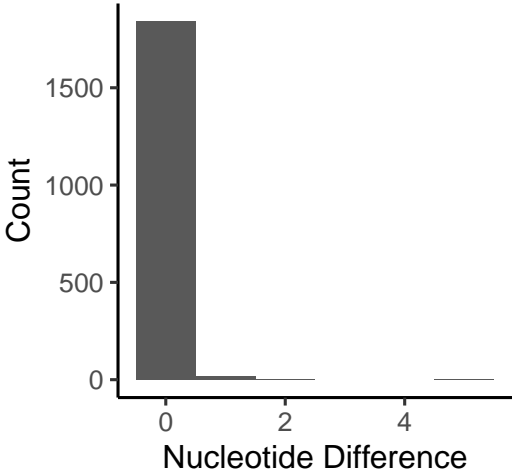
TRBV7-1\*ap01\_G291C\_T

45 sequences assigned  
45 (100%) exact matches, in which:  
45 unique CDR3  
11 unique J



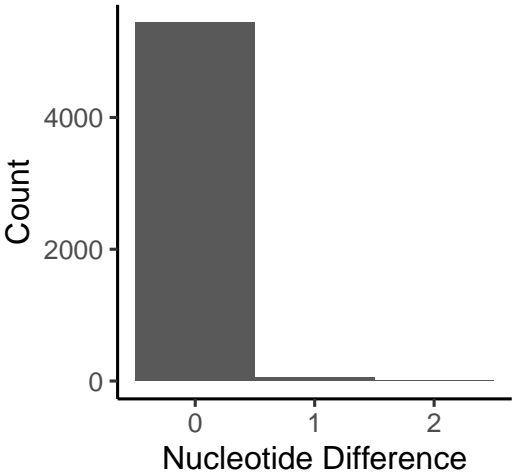
TRBV7-3\*ap01

1860 sequences assigned  
1841 (99%) exact matches, in which:  
1829 unique CDR3  
13 unique J



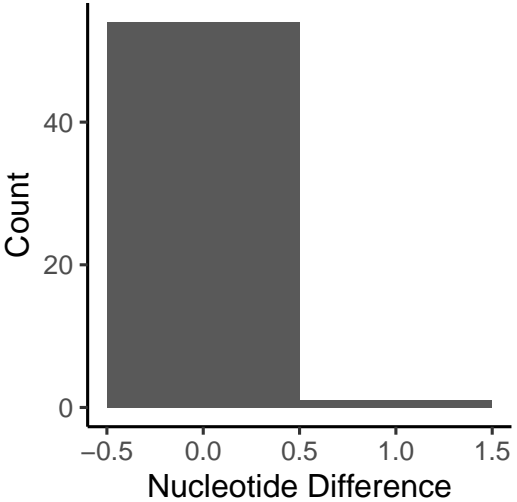
TRBV6-56\*ap01

5498 sequences assigned  
5438 (98.9%) exact matches, in which:  
5337 unique CDR3  
13 unique J



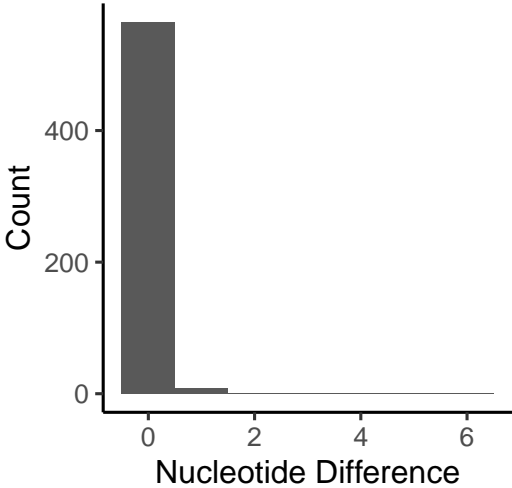
TRBV7-1\*ap01\_G291C\_T

55 sequences assigned  
54 (98.2%) exact matches, in which:  
52 unique CDR3  
12 unique J



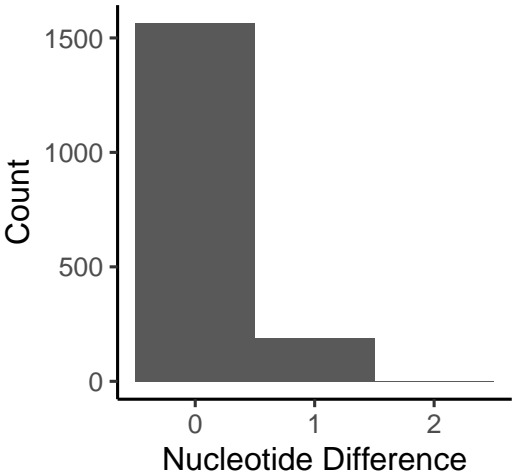
TRBV7-3\*ap03

578 sequences assigned  
565 (97.8%) exact matches, in which:  
560 unique CDR3  
13 unique J



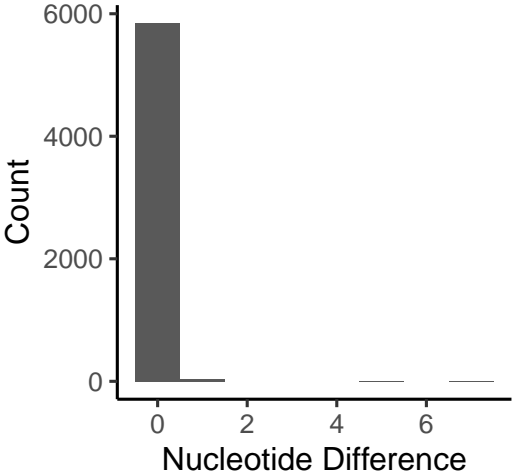
TRBV6-56\*ap02

1756 sequences assigned  
1565 (89.1%) exact matches, in which:  
1539 unique CDR3  
13 unique J



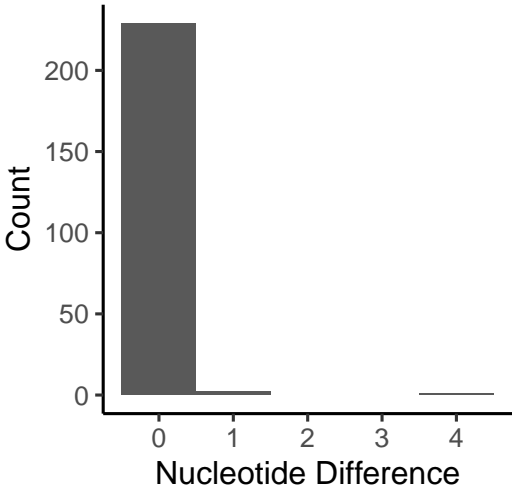
TRBV7-2\*ap01

5887 sequences assigned  
5848 (99.3%) exact matches, in which:  
5795 unique CDR3  
13 unique J



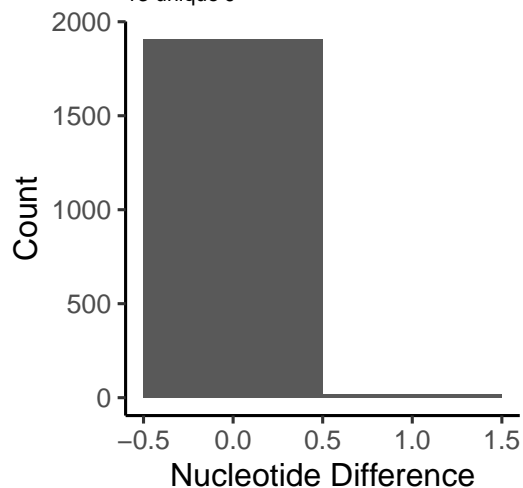
TRBV7-4\*ap01

232 sequences assigned  
229 (98.7%) exact matches, in which:  
223 unique CDR3  
13 unique J



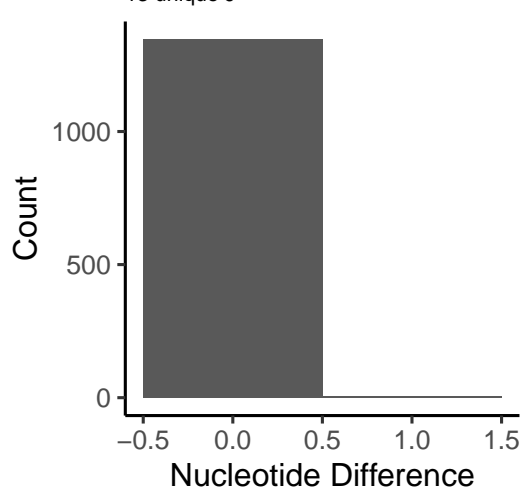
### TRBV7-6\*ap01

1922 sequences assigned  
1906 (99.2%) exact matches, in which:  
1885 unique CDR3  
13 unique J



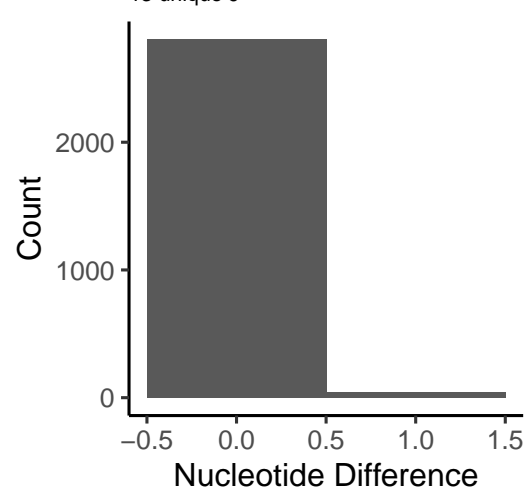
### TRBV7-8\*ap01

1352 sequences assigned  
1346 (99.6%) exact matches, in which:  
1334 unique CDR3  
13 unique J



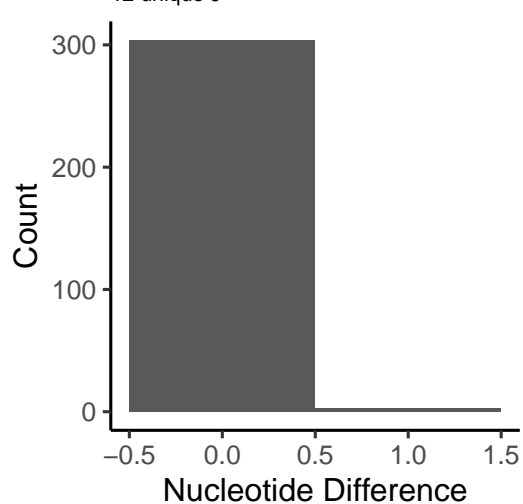
### TRBV29-1\*ap01

2845 sequences assigned  
2805 (98.6%) exact matches, in which:  
2746 unique CDR3  
13 unique J



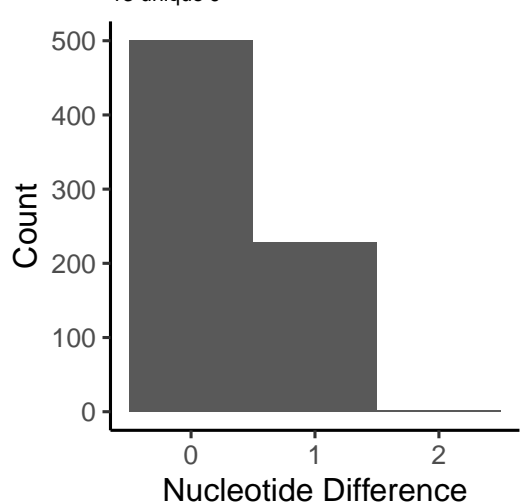
### TRBV7-7\*ap01

307 sequences assigned  
304 (99%) exact matches, in which:  
302 unique CDR3  
12 unique J



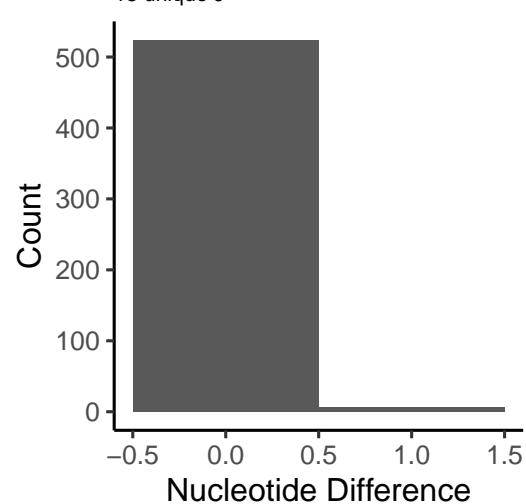
### TRBV7-8\*ap03

731 sequences assigned  
501 (68.5%) exact matches, in which:  
497 unique CDR3  
13 unique J



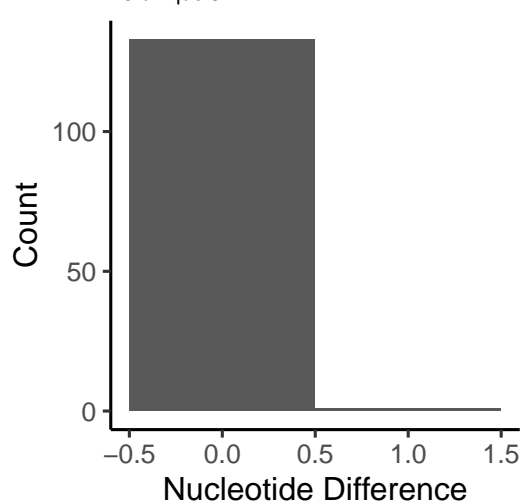
### TRBV29-1\*ap02

531 sequences assigned  
524 (98.7%) exact matches, in which:  
514 unique CDR3  
13 unique J



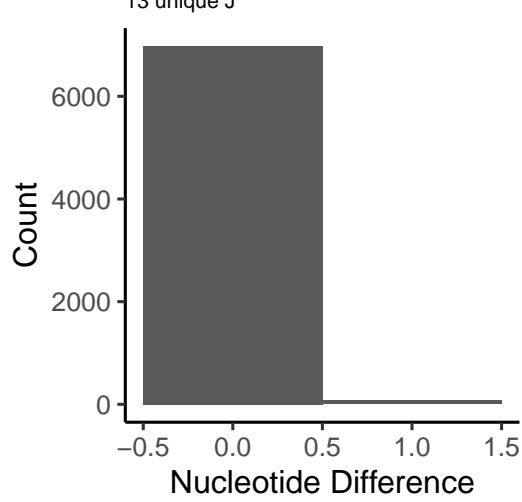
### TRBV7-7\*ap01\_C315T

134 sequences assigned  
133 (99.3%) exact matches, in which:  
132 unique CDR3  
13 unique J

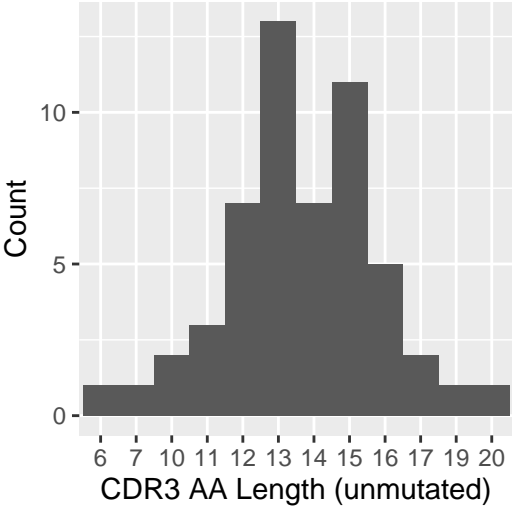


### TRBV7-9\*ap01

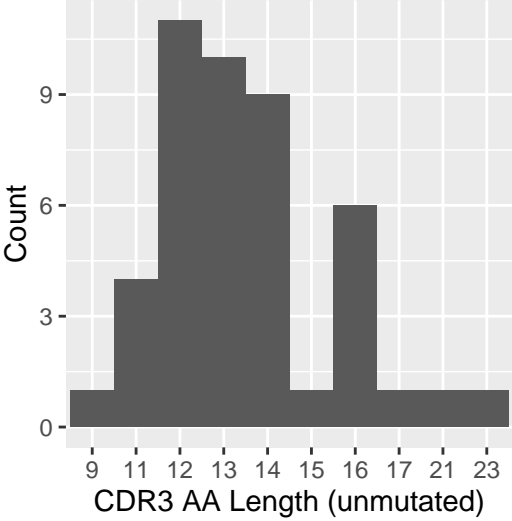
7051 sequences assigned  
6979 (99%) exact matches, in which:  
6896 unique CDR3  
13 unique J



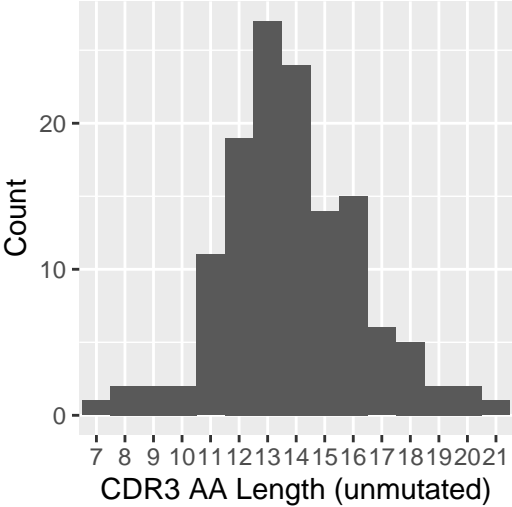
TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.