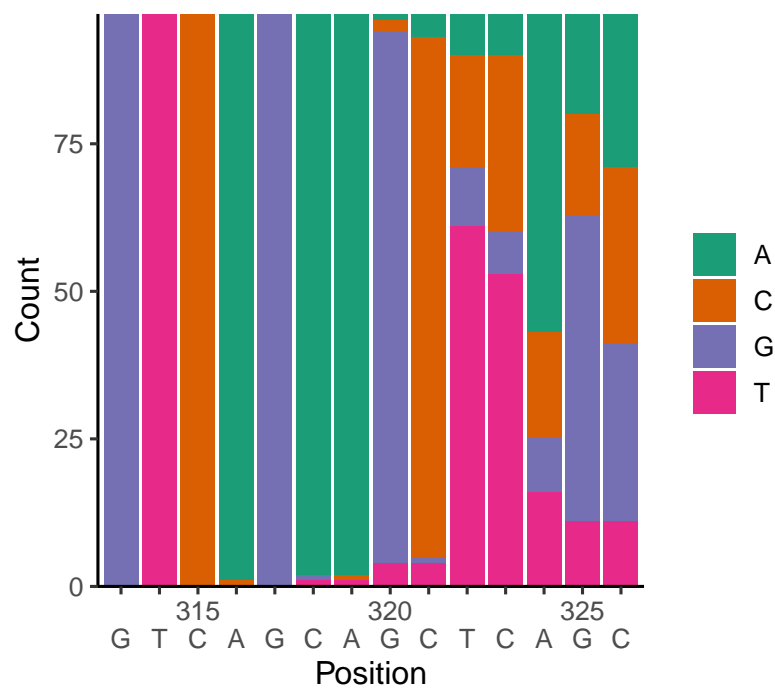
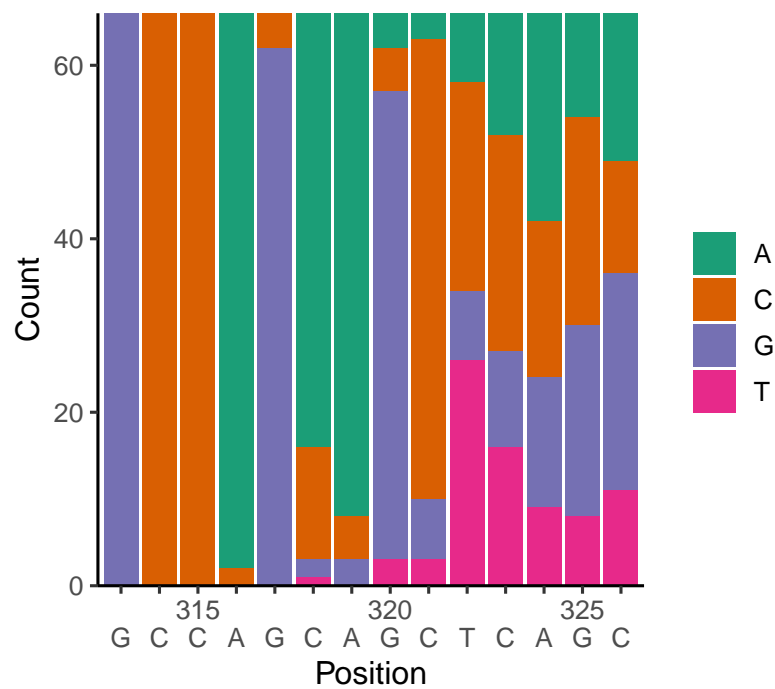


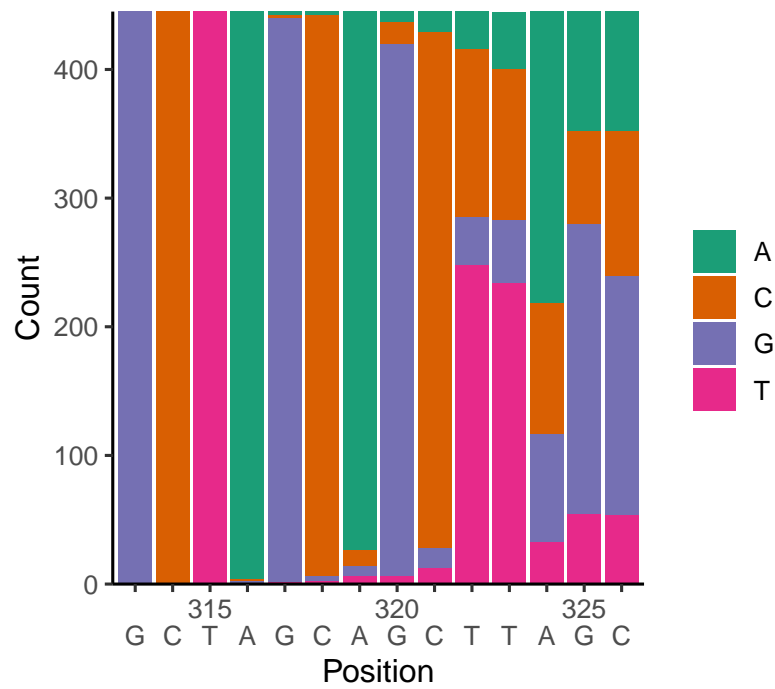
Gene TRBV7-1*ap01_T296C_C314T



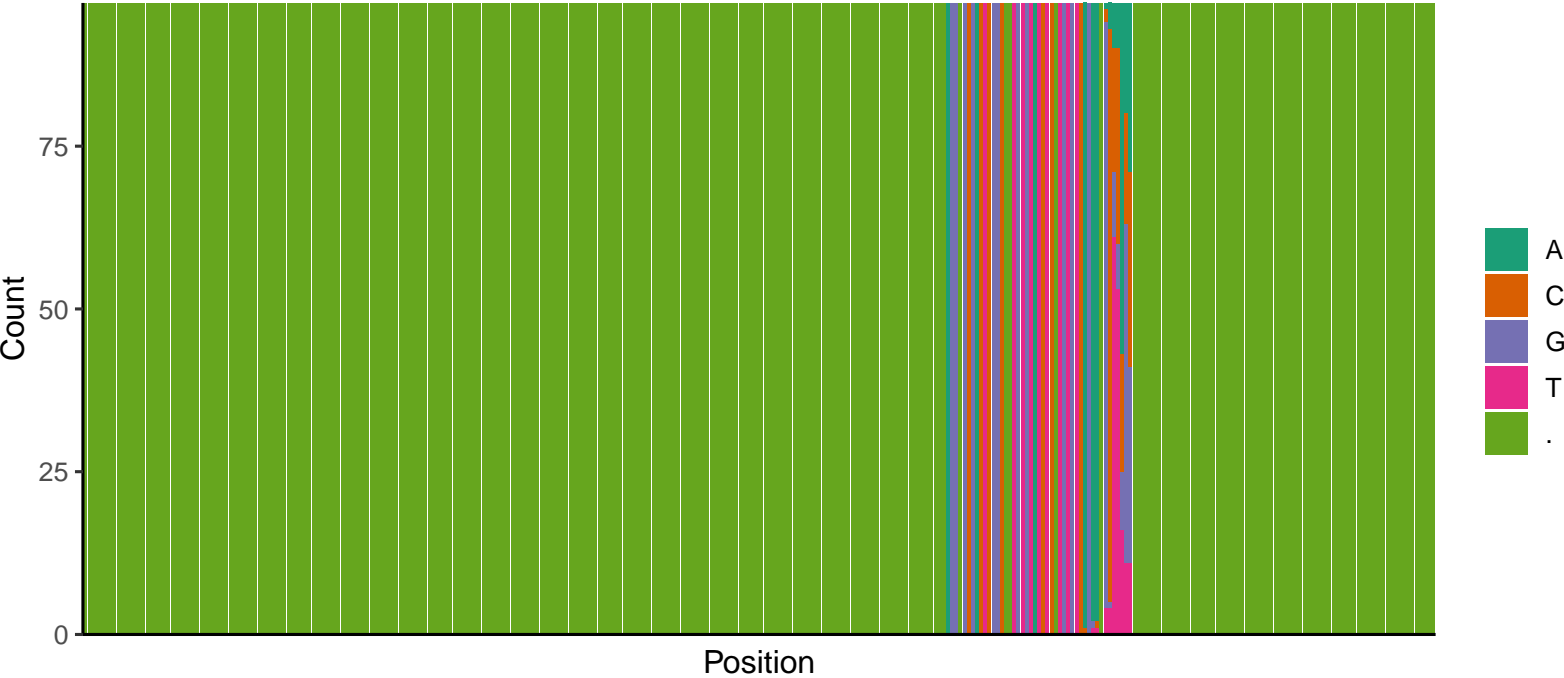
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



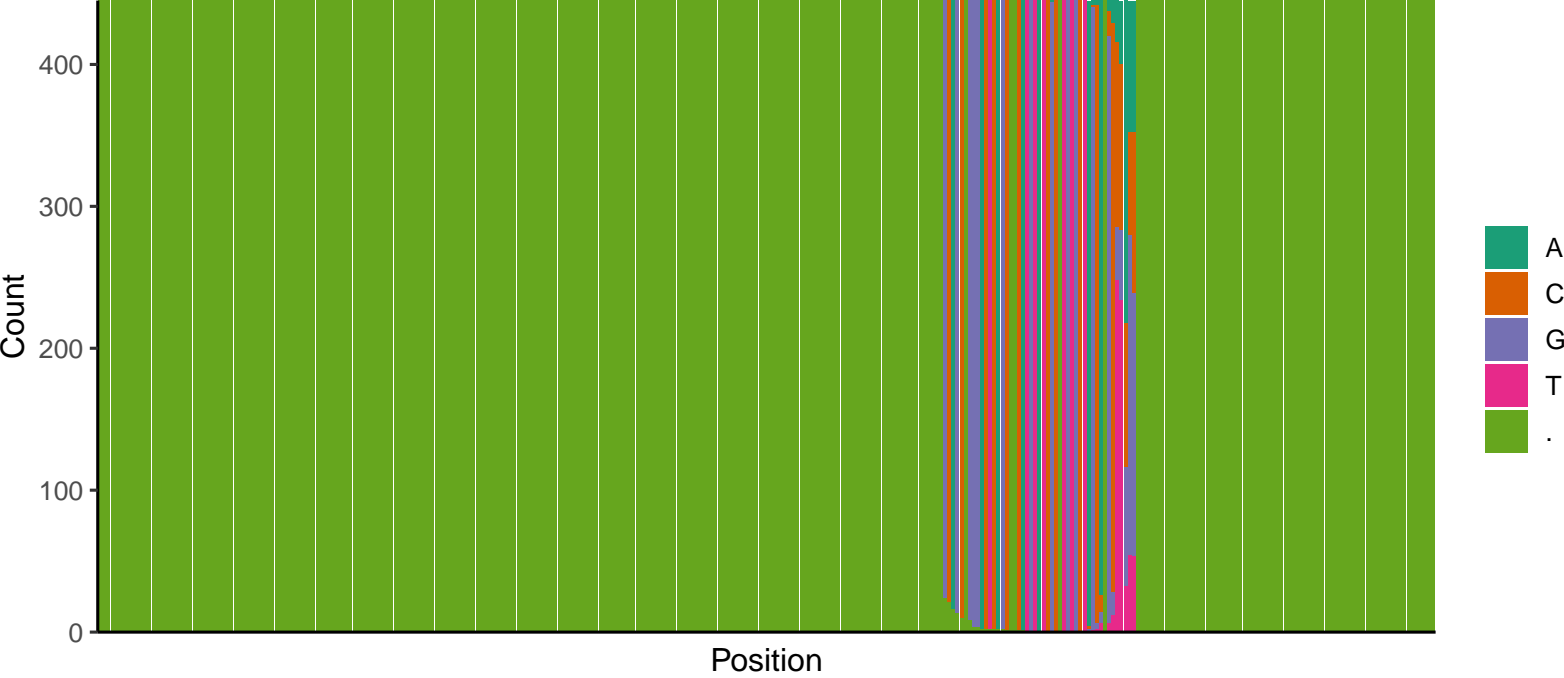
Gene TRBV7-1*ap01_T296C_C314T



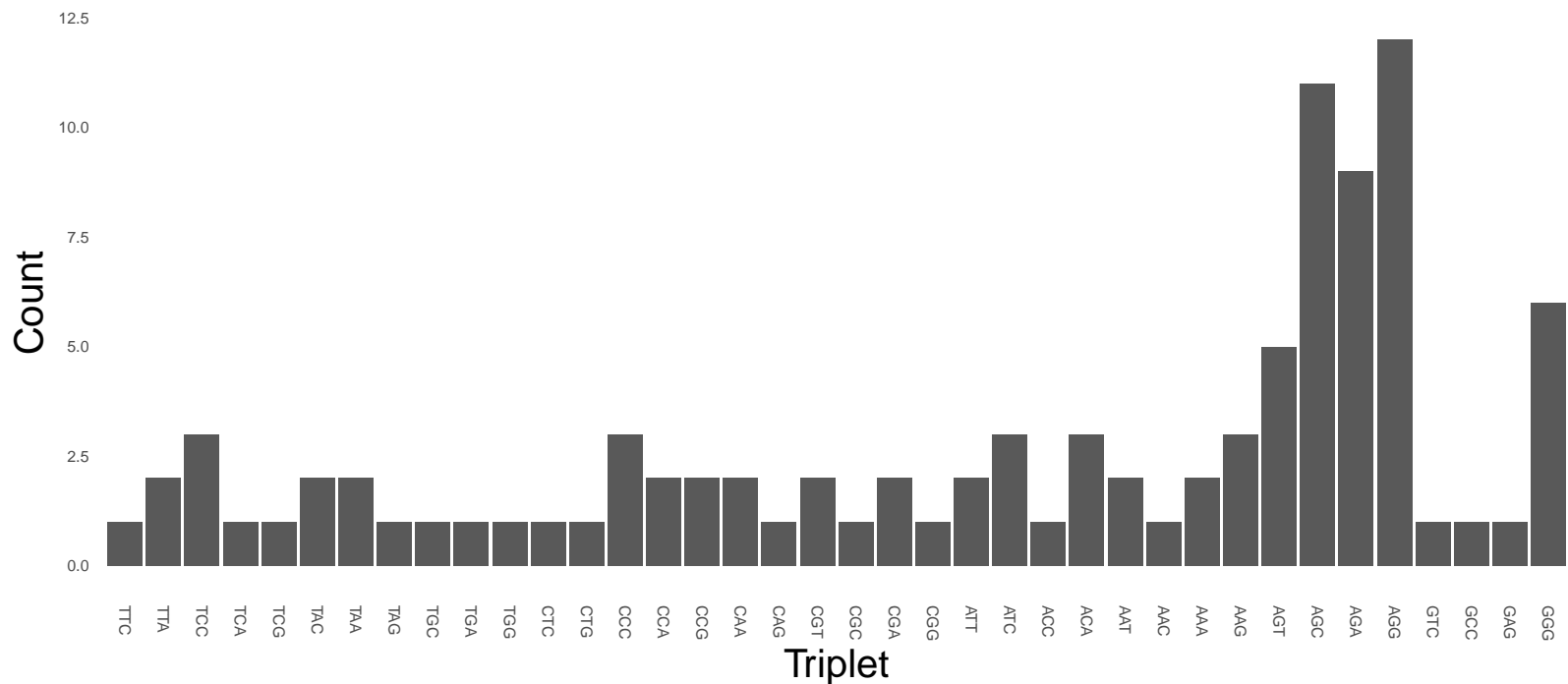
Gene TRBV7-1*ap01_T296C



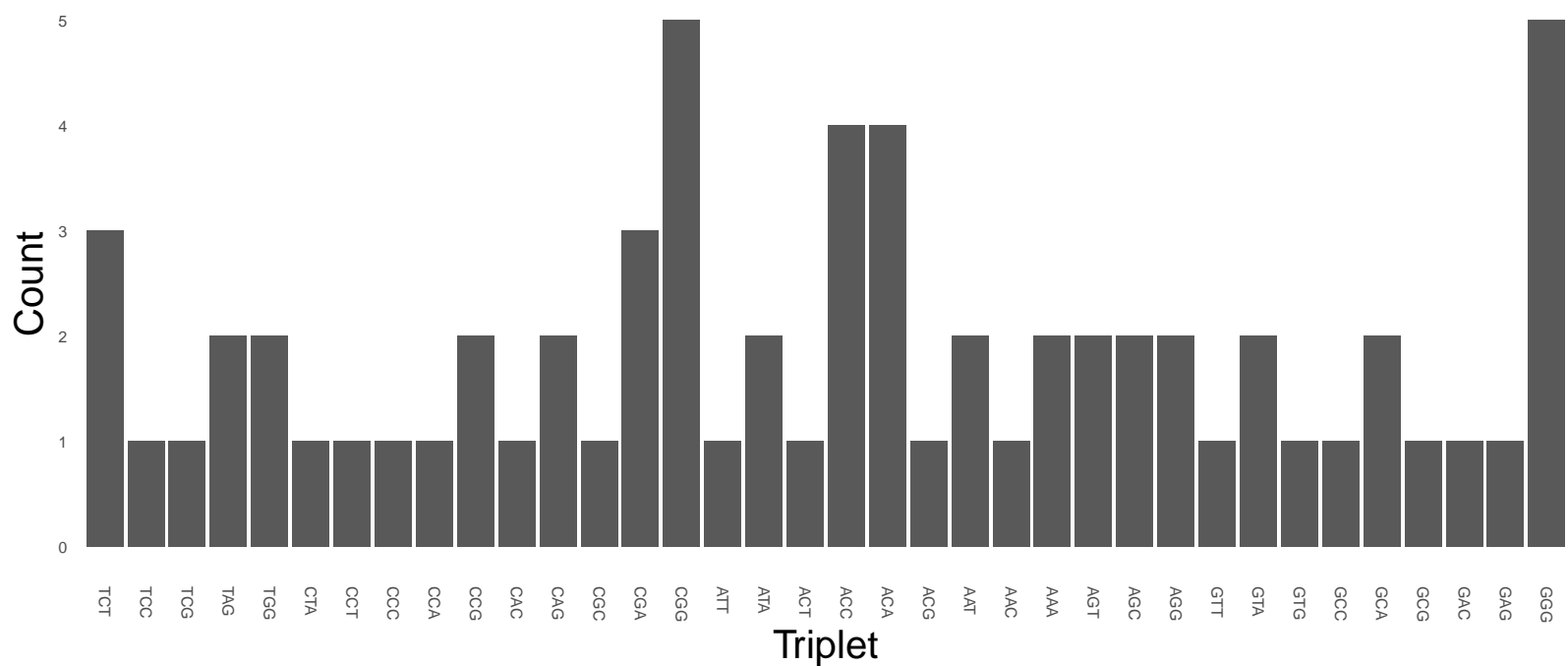
Gene TRBV7-7*ap01_C315T



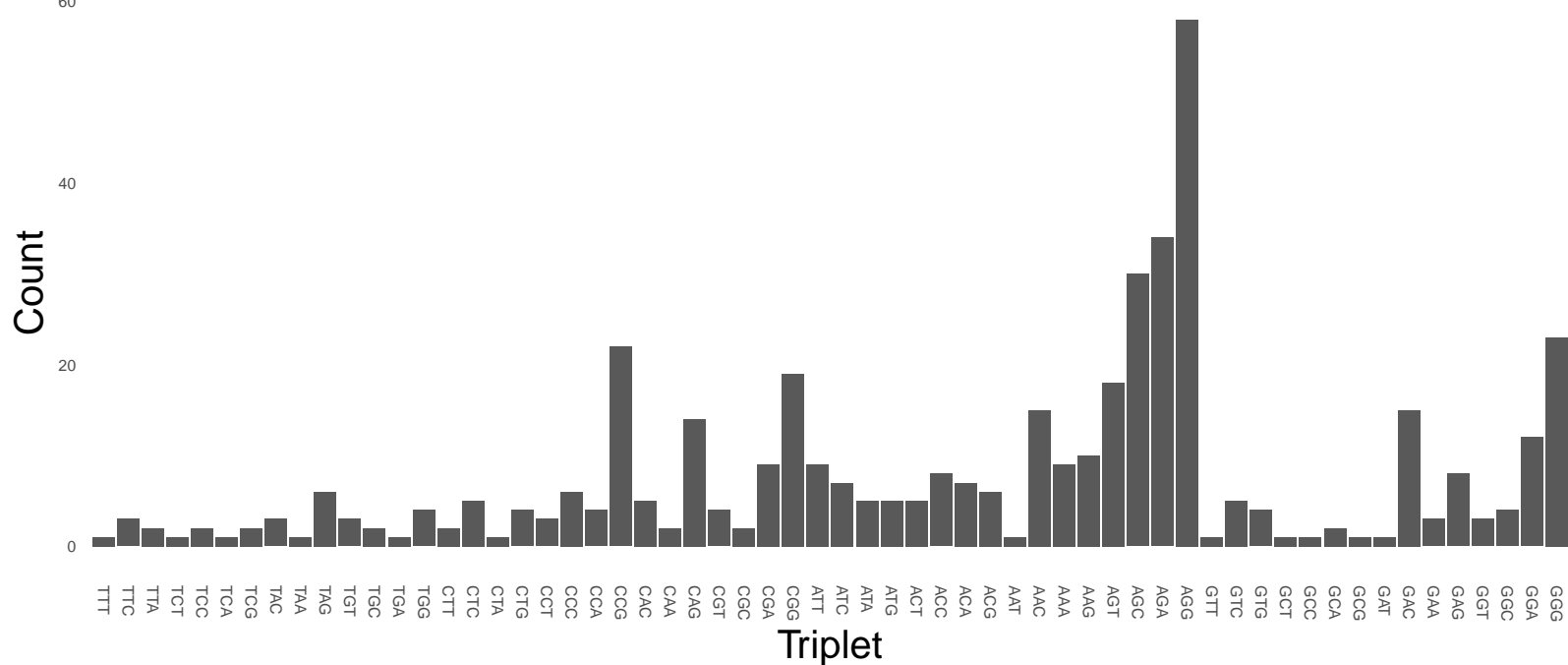
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

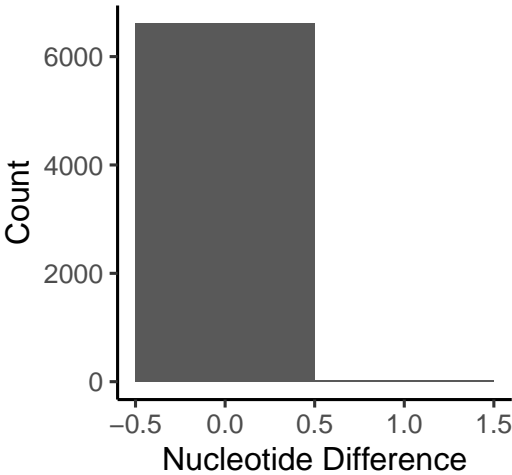


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



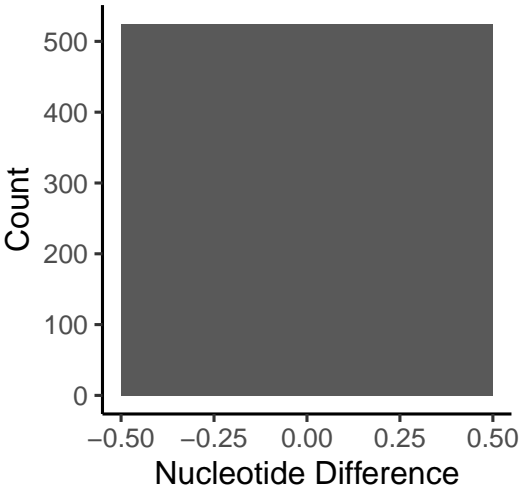
TRBV20-1*ap01

6632 sequences assigned
6613 (99.7%) exact matches, in which:
6601 unique CDR3
13 unique J



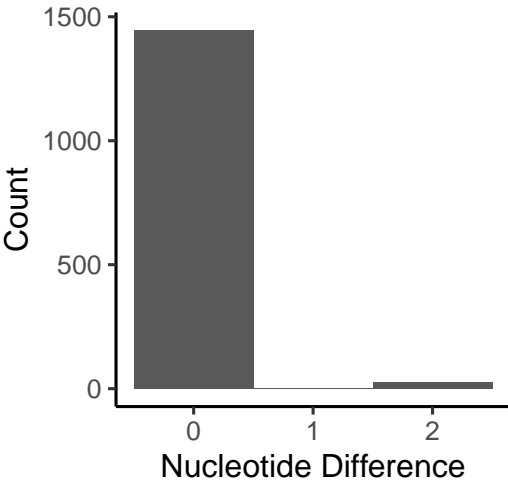
TRBV10-2*ap01

525 sequences assigned
525 (100%) exact matches, in which:
525 unique CDR3
13 unique J



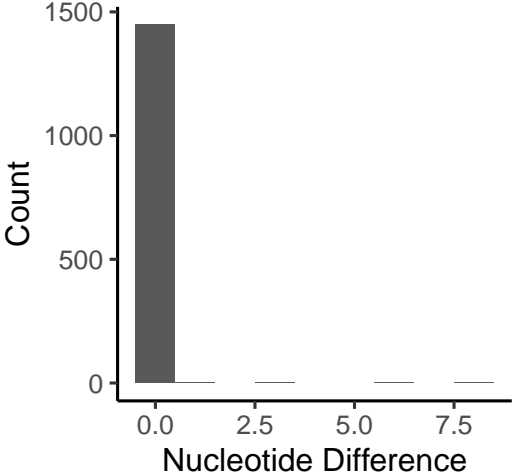
TRBV13*ap01

1472 sequences assigned
1445 (98.2%) exact matches, in which:
1439 unique CDR3
13 unique J



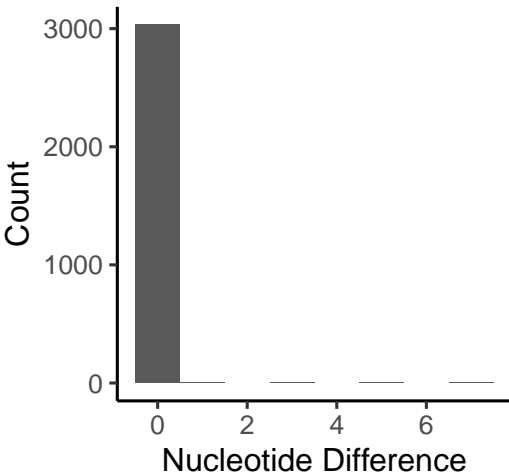
TRBV10-1*ap01

1452 sequences assigned
1448 (99.7%) exact matches, in which:
1445 unique CDR3
13 unique J



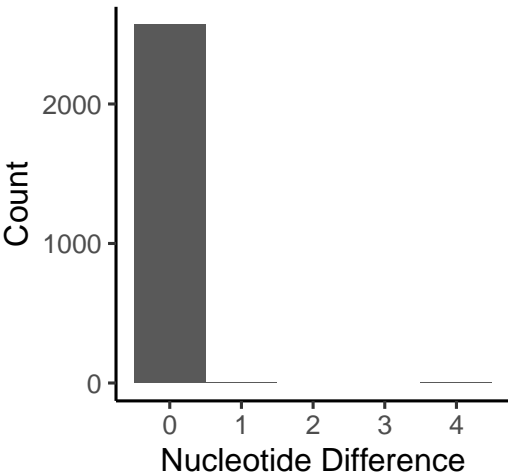
TRBV10-3*ap01

3041 sequences assigned
3033 (99.7%) exact matches, in which:
3031 unique CDR3
13 unique J



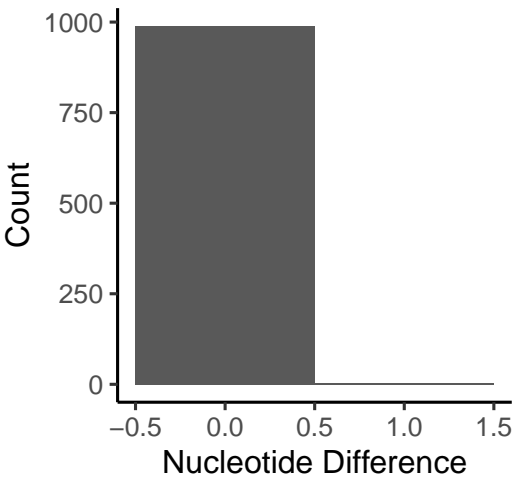
TRBV14*ap01

2571 sequences assigned
2568 (99.9%) exact matches, in which:
2564 unique CDR3
13 unique J



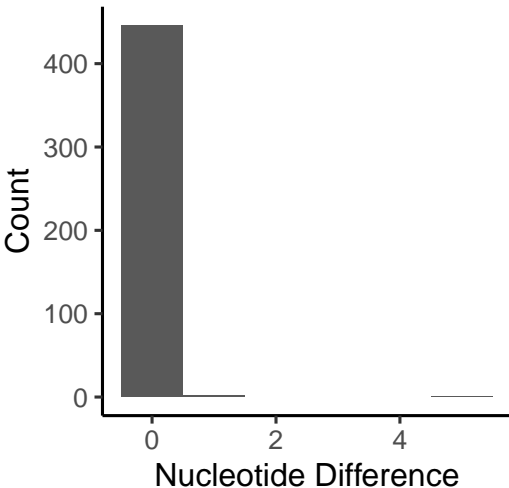
TRBV20-1*ap02

993 sequences assigned
989 (99.6%) exact matches, in which:
987 unique CDR3
13 unique J



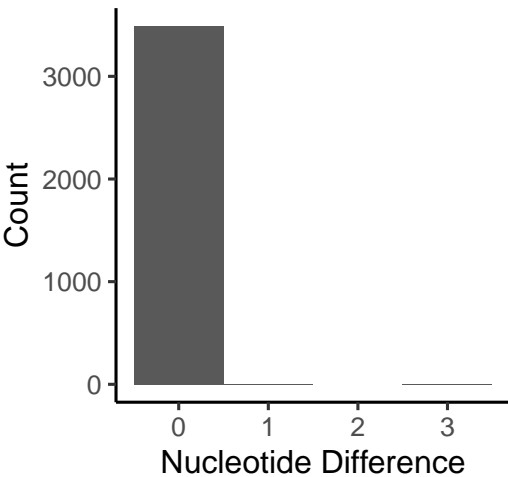
TRBV1*ap01

449 sequences assigned
446 (99.3%) exact matches, in which:
444 unique CDR3
13 unique J



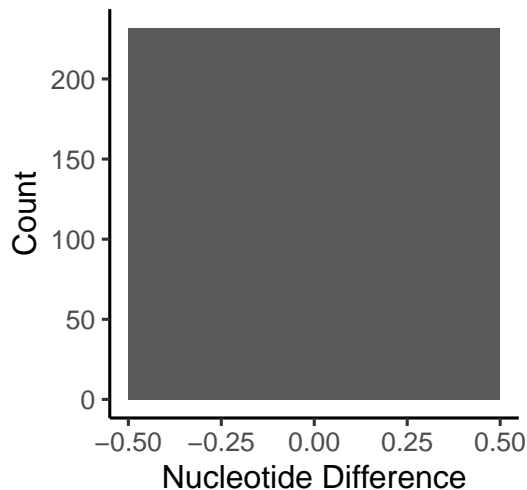
TRBV15*ap02

3497 sequences assigned
3490 (99.8%) exact matches, in which:
3475 unique CDR3
13 unique J



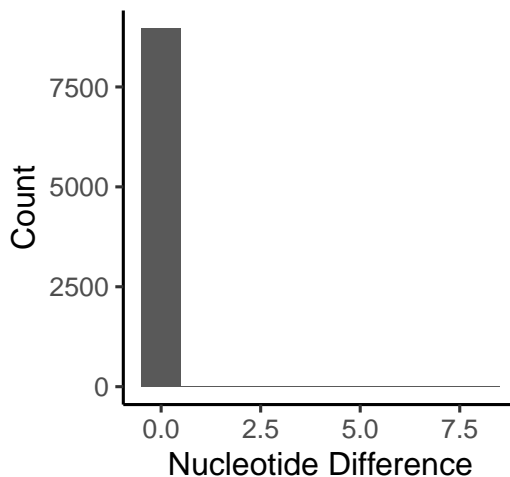
TRBV16*ap01

232 sequences assigned
232 (100%) exact matches, in which:
232 unique CDR3
13 unique J



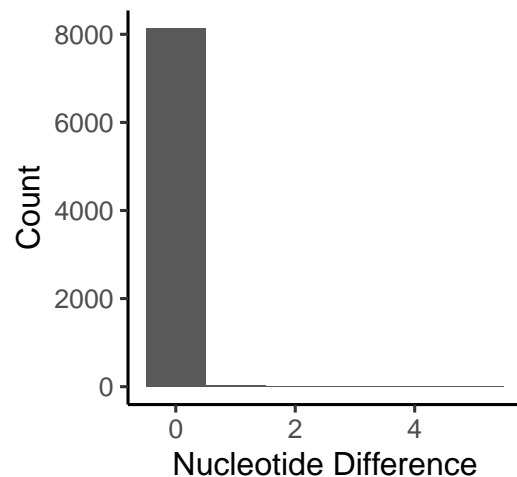
TRBV19*ap01

8994 sequences assigned
8965 (99.7%) exact matches, in which:
8962 unique CDR3
13 unique J



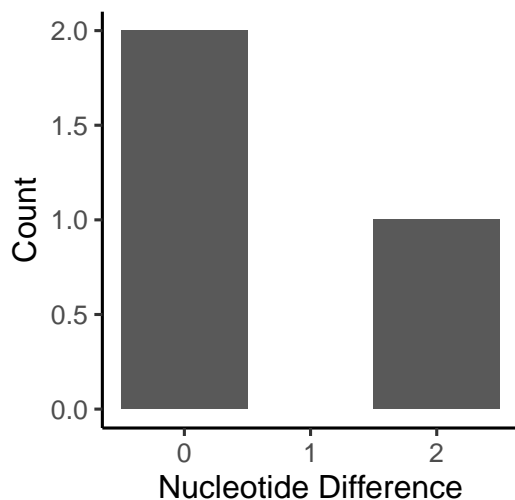
TRBV27*ap01

8170 sequences assigned
8134 (99.6%) exact matches, in which:
8102 unique CDR3
13 unique J



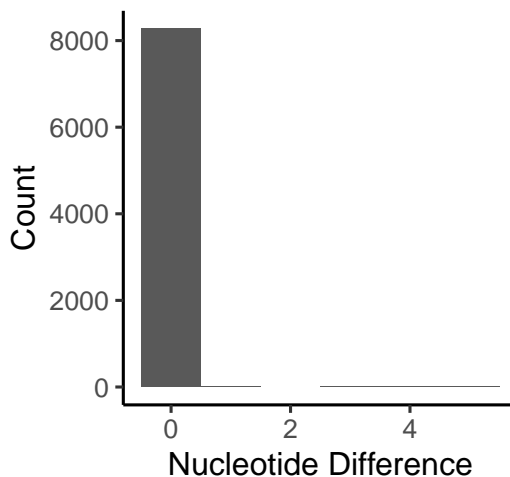
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
1 unique J



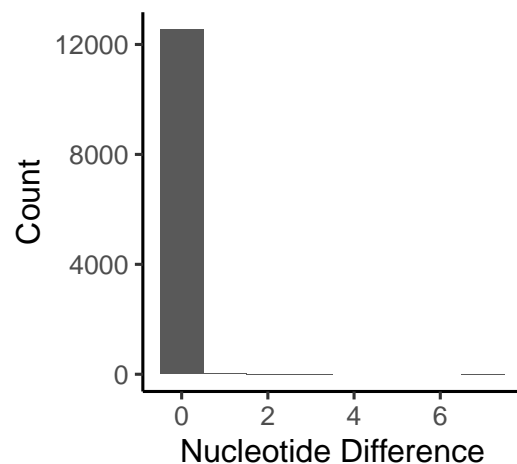
TRBV2*ap01

8301 sequences assigned
8274 (99.7%) exact matches, in which:
8246 unique CDR3
13 unique J



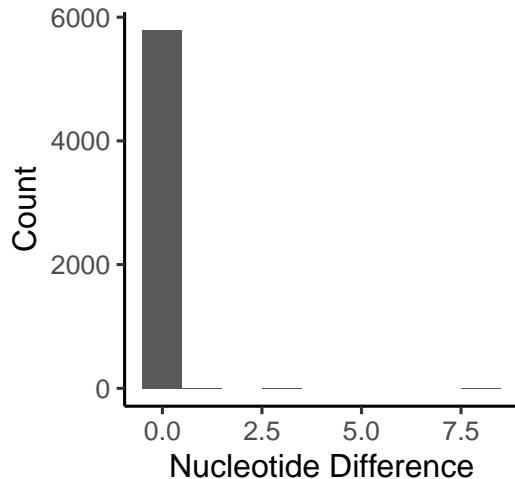
TRBV28*ap01

12578 sequences assigned
12546 (99.7%) exact matches, in which:
12533 unique CDR3
14 unique J



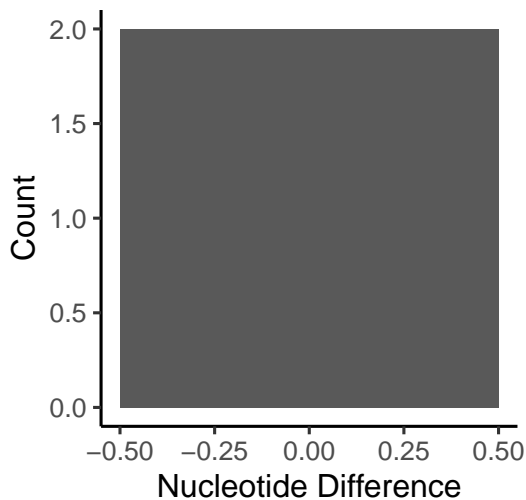
TRBV18*ap01

5800 sequences assigned
5792 (99.9%) exact matches, in which:
5787 unique CDR3
13 unique J



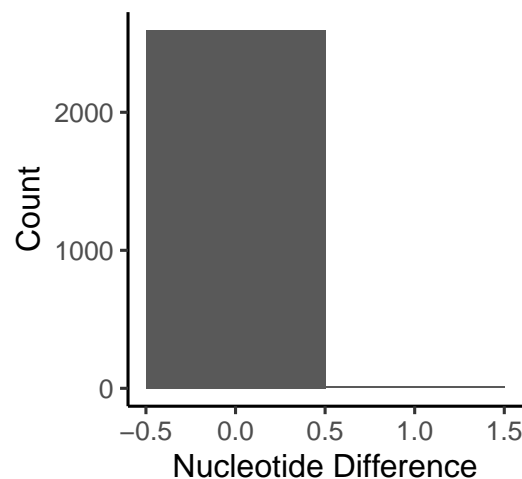
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



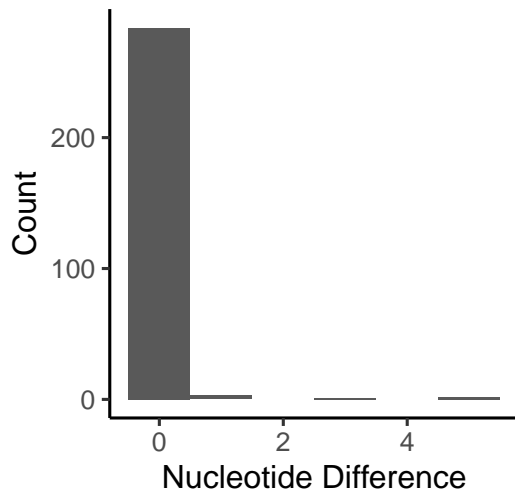
TRBV30*ap01

2608 sequences assigned
2596 (99.5%) exact matches, in which:
2582 unique CDR3
13 unique J



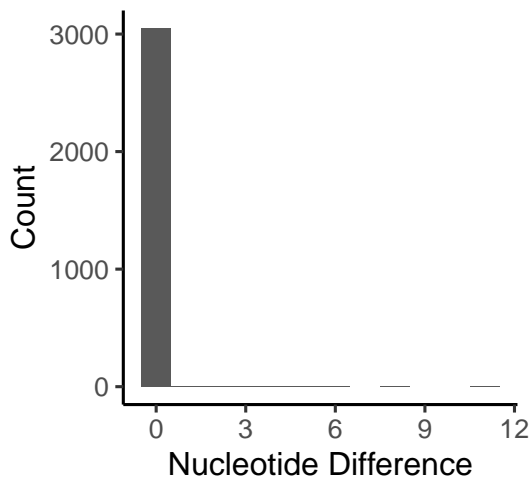
TRBV30*ap02

290 sequences assigned
284 (97.9%) exact matches, in which:
282 unique CDR3
13 unique J



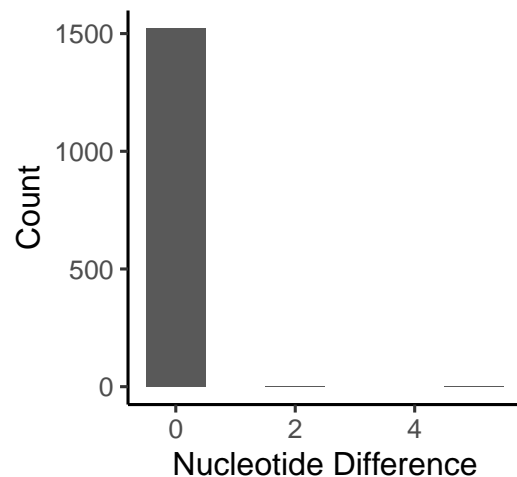
TRBV21-1*ap01

3073 sequences assigned
3048 (99.2%) exact matches, in which:
3048 unique CDR3
13 unique J



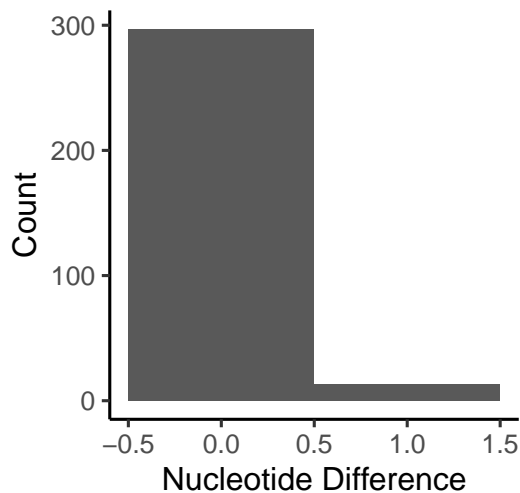
TRBV11-3*ap01

1524 sequences assigned
1522 (99.9%) exact matches, in which:
1522 unique CDR3
13 unique J



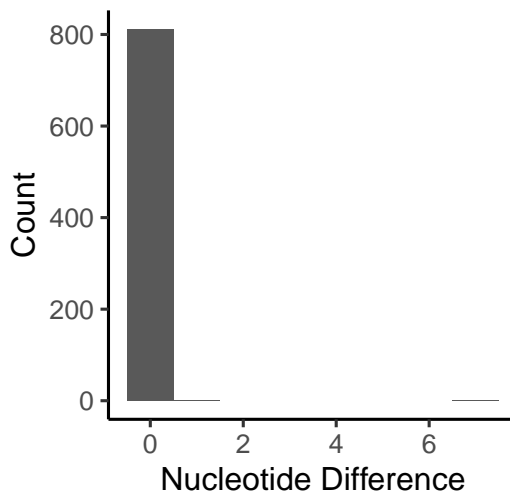
TRBV30*ap03

310 sequences assigned
297 (95.8%) exact matches, in which:
294 unique CDR3
13 unique J



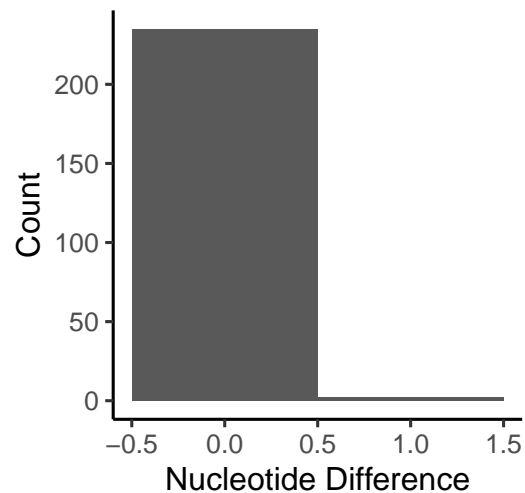
TRBV11-1*ap01

814 sequences assigned
812 (99.8%) exact matches, in which:
810 unique CDR3
13 unique J



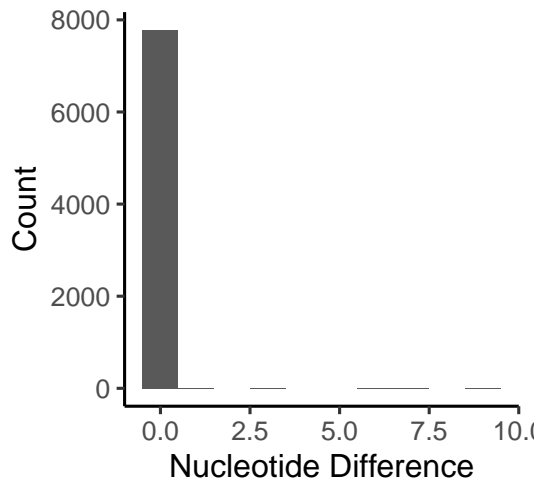
TRBV12-1*ap01

237 sequences assigned
235 (99.2%) exact matches, in which:
234 unique CDR3
13 unique J



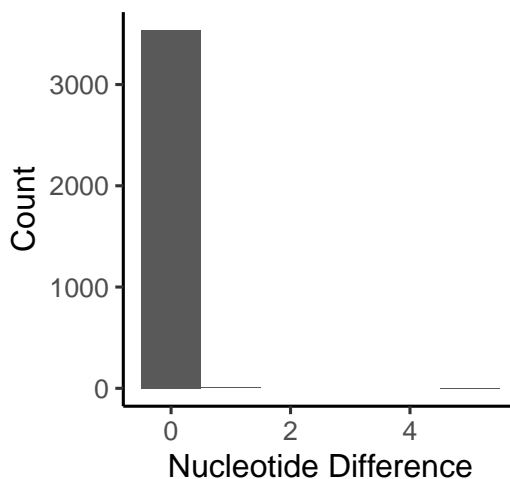
TRBV9*ap01

7795 sequences assigned
7779 (99.8%) exact matches, in which:
7765 unique CDR3
13 unique J



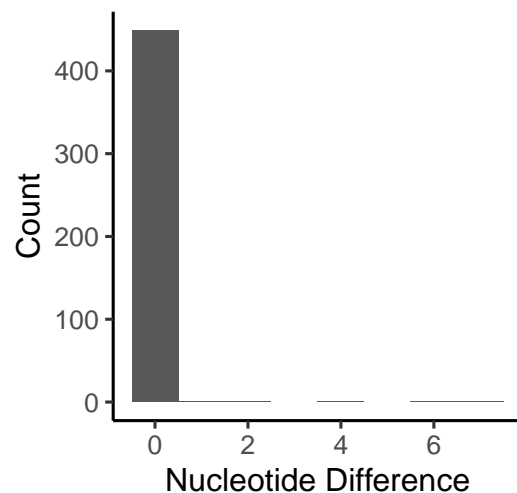
TRBV11-2*ap01

3548 sequences assigned
3538 (99.7%) exact matches, in which:
3535 unique CDR3
13 unique J



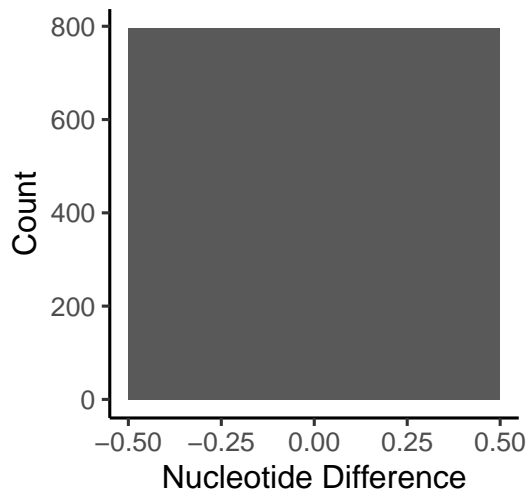
TRBV12-2*ap01

454 sequences assigned
449 (98.9%) exact matches, in which:
449 unique CDR3
13 unique J



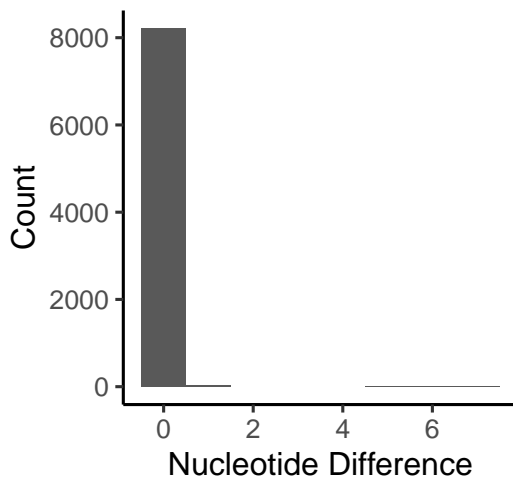
TRBV12–5*ap01

797 sequences assigned
797 (100%) exact matches, in which:
796 unique CDR3
13 unique J



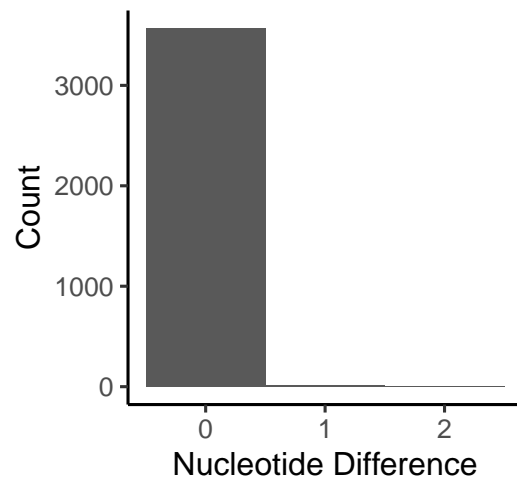
TRBV3–12*ap01

8247 sequences assigned
8213 (99.6%) exact matches, in which:
8192 unique CDR3
13 unique J



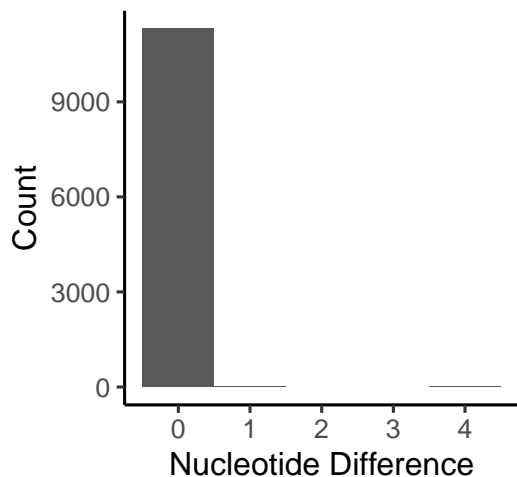
TRBV4–2*ap01

3579 sequences assigned
3567 (99.7%) exact matches, in which:
3560 unique CDR3
13 unique J



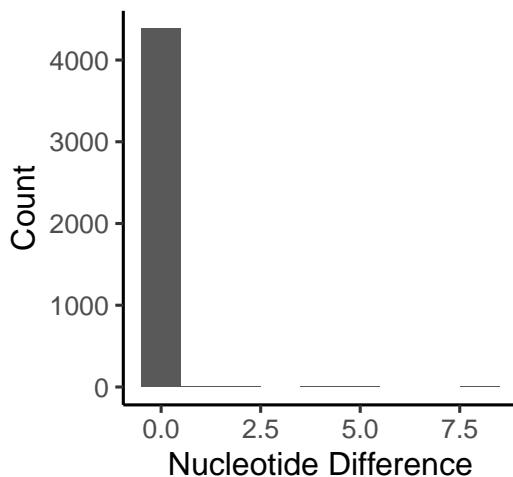
TRBV12–34*ap01

11327 sequences assigned
11308 (99.8%) exact matches, in which:
11290 unique CDR3
14 unique J



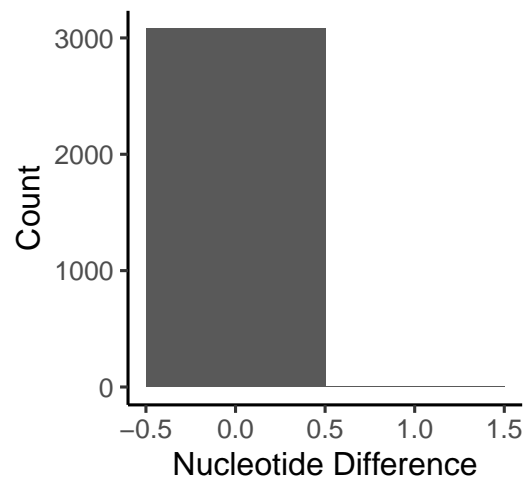
TRBV24–1*ap01

4400 sequences assigned
4383 (99.6%) exact matches, in which:
4369 unique CDR3
13 unique J



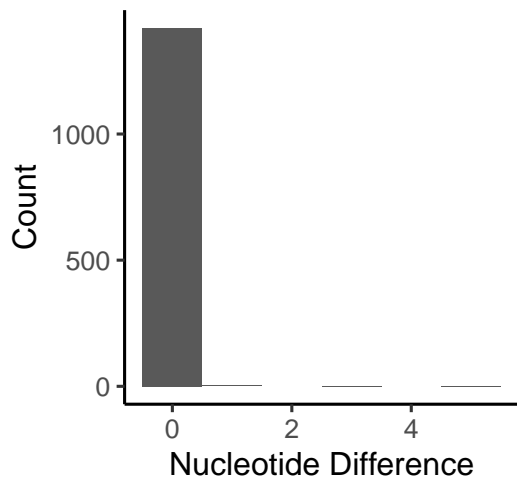
TRBV4–3*ap01

3086 sequences assigned
3079 (99.8%) exact matches, in which:
3074 unique CDR3
13 unique J



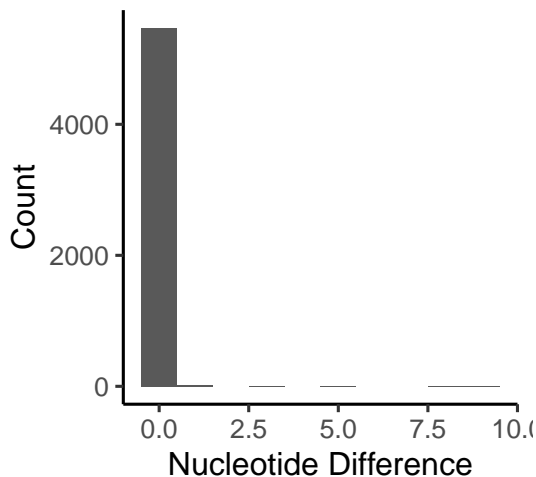
TRBV23–1*ap01

1425 sequences assigned
1420 (99.6%) exact matches, in which:
1418 unique CDR3
13 unique J



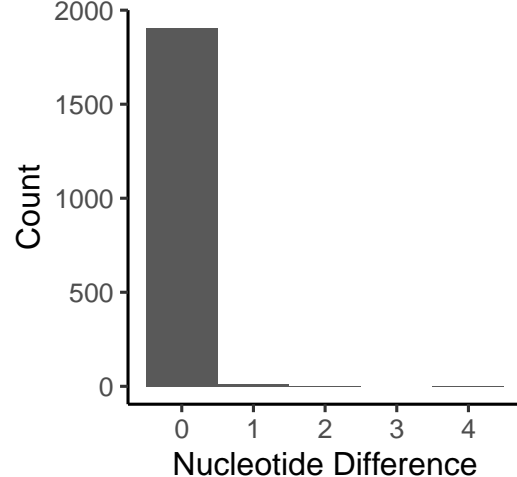
TRBV4–1*ap01

5493 sequences assigned
5470 (99.6%) exact matches, in which:
5458 unique CDR3
13 unique J



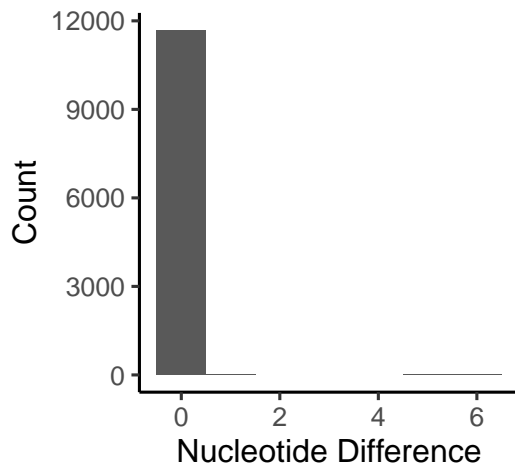
TRBV25–1*ap01

1921 sequences assigned
1905 (99.2%) exact matches, in which:
1899 unique CDR3
13 unique J



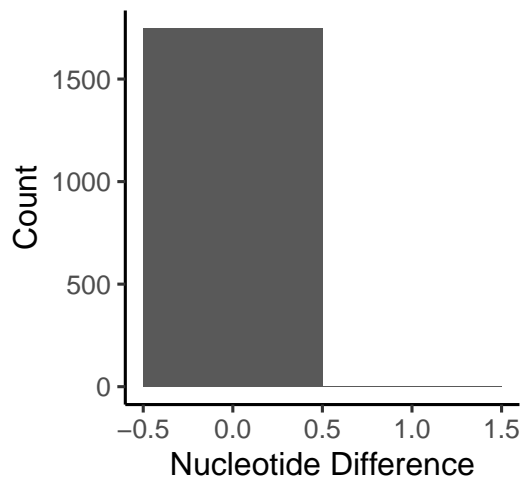
TRBV5-1*ap01

11711 sequences assigned
11685 (99.8%) exact matches, in which:
11625 unique CDR3
13 unique J



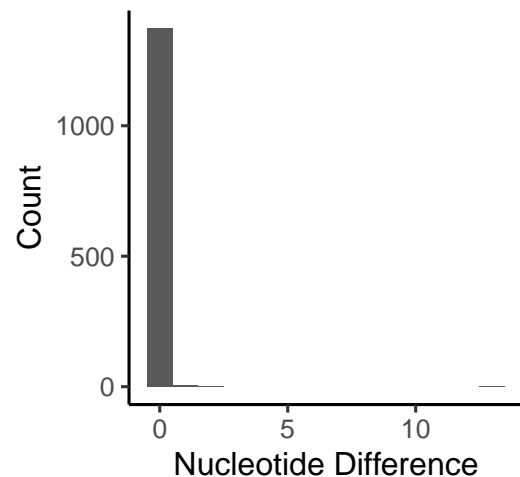
TRBV5-5*ap01

1750 sequences assigned
1747 (99.8%) exact matches, in which:
1747 unique CDR3
13 unique J



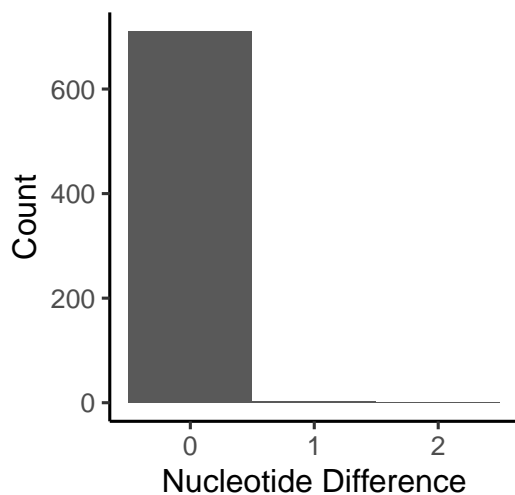
TRBV5-8*ap01

1380 sequences assigned
1373 (99.5%) exact matches, in which:
1373 unique CDR3
13 unique J



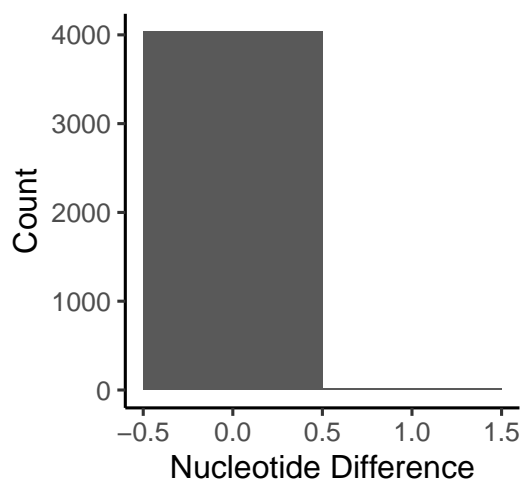
TRBV5-3*ap01

714 sequences assigned
711 (99.6%) exact matches, in which:
710 unique CDR3
13 unique J



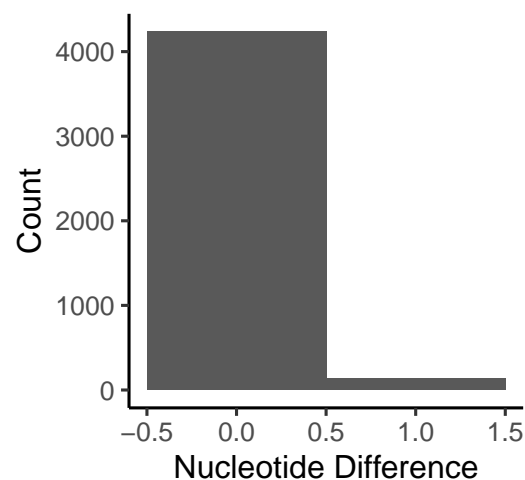
TRBV5-6*ap01

4049 sequences assigned
4035 (99.7%) exact matches, in which:
4022 unique CDR3
13 unique J



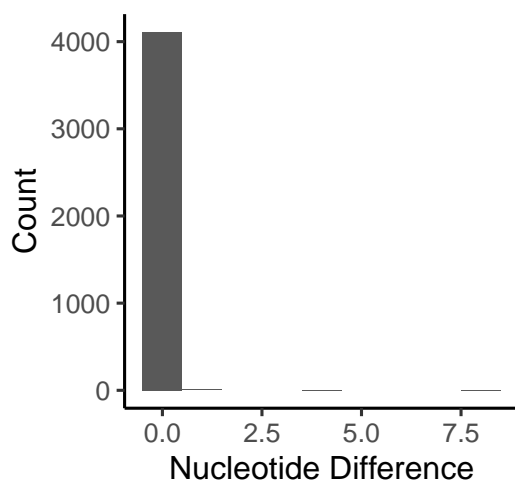
TRBV6-1*ap01

4367 sequences assigned
4235 (97%) exact matches, in which:
4220 unique CDR3
13 unique J



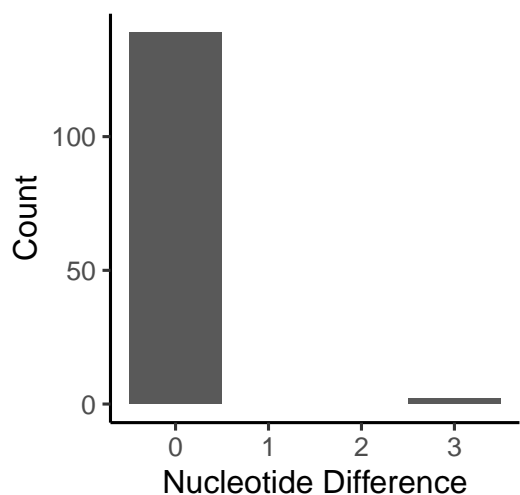
TRBV5-4*ap01

4123 sequences assigned
4110 (99.7%) exact matches, in which:
4104 unique CDR3
13 unique J



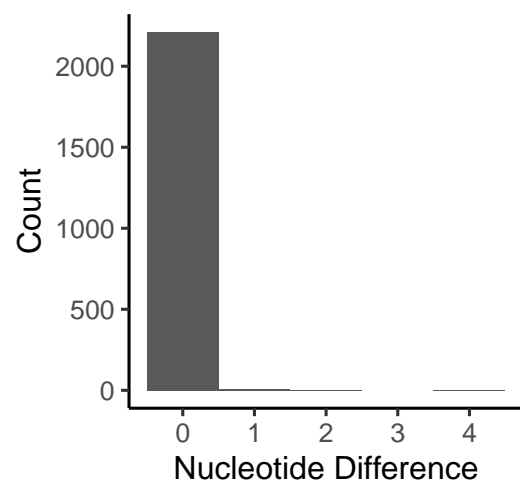
TRBV5-7*ap01

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



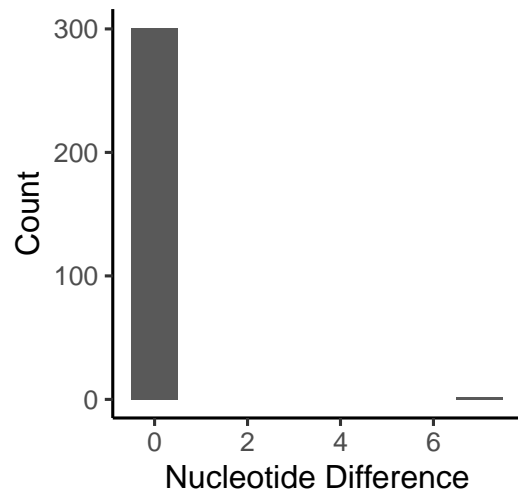
TRBV6-4*ap01

2220 sequences assigned
2211 (99.6%) exact matches, in which:
2210 unique CDR3
13 unique J



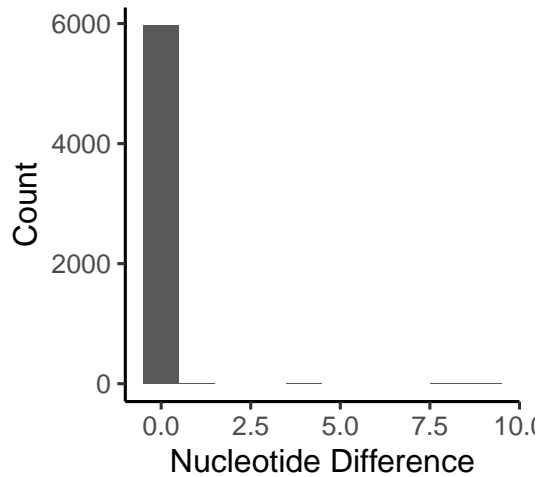
TRBV6-7*ap01

303 sequences assigned
301 (99.3%) exact matches, in which:
301 unique CDR3
13 unique J



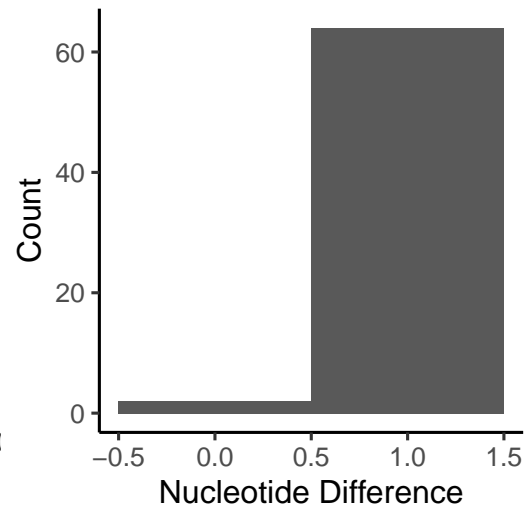
TRBV6-23*ap01

5989 sequences assigned
5969 (99.7%) exact matches, in which:
5950 unique CDR3
13 unique J



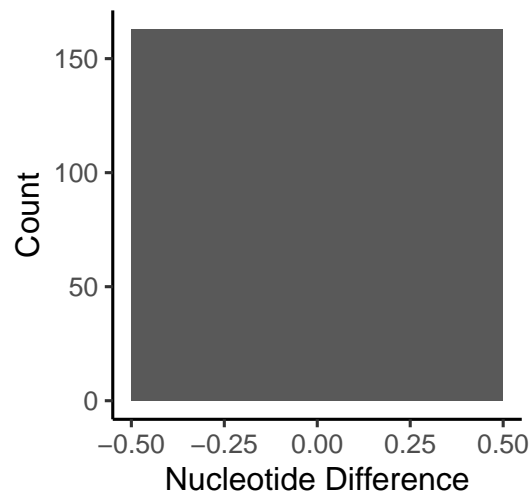
TRBV7-1*ap01_T296C

66 sequences assigned
2 (3%) exact matches, in which:
2 unique CDR3
2 unique J



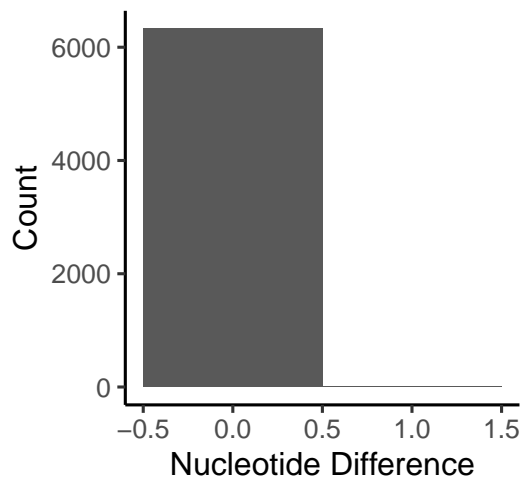
TRBV6-8*ap01

163 sequences assigned
163 (100%) exact matches, in which:
162 unique CDR3
12 unique J



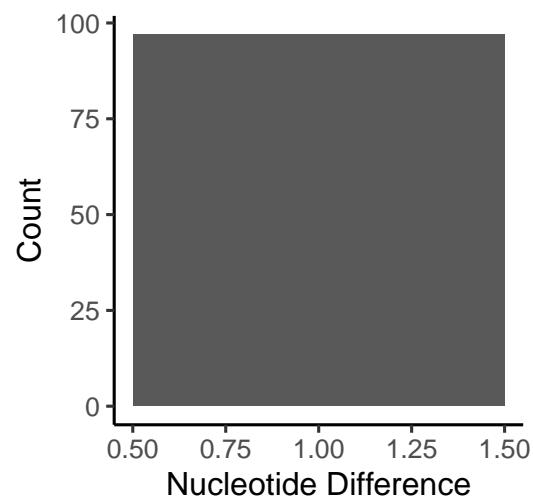
TRBV6-56*ap01

6344 sequences assigned
6327 (99.7%) exact matches, in which:
6307 unique CDR3
13 unique J



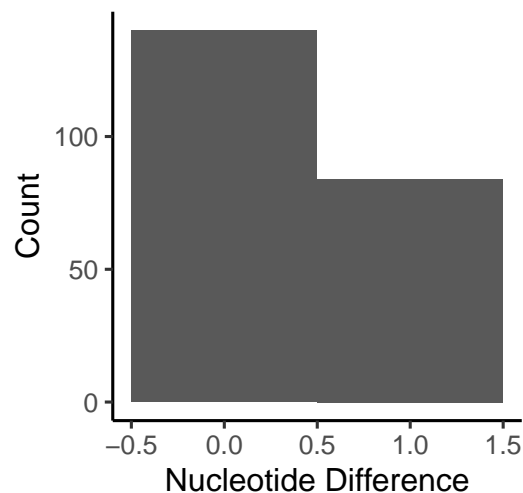
TRBV7-1*ap01_T296C_0

97 sequences assigned
No exact matches.



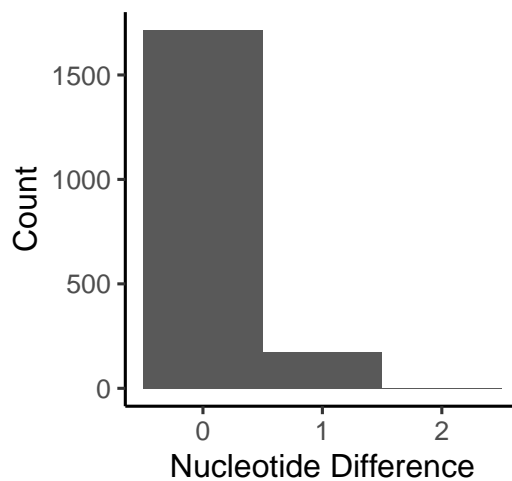
TRBV6-9*ap01

224 sequences assigned
140 (62.5%) exact matches, in which:
139 unique CDR3
12 unique J



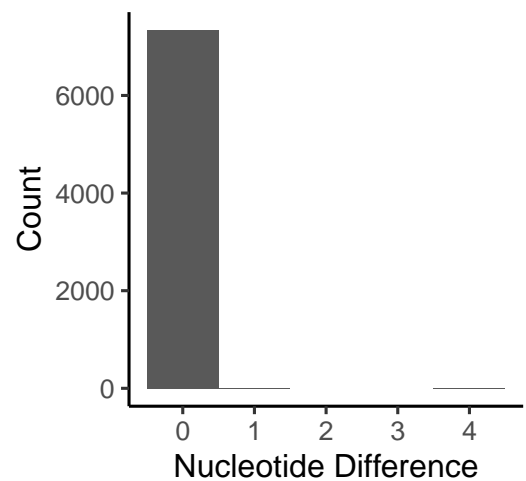
TRBV6-56*ap02

1892 sequences assigned
1715 (90.6%) exact matches, in which:
1714 unique CDR3
13 unique J



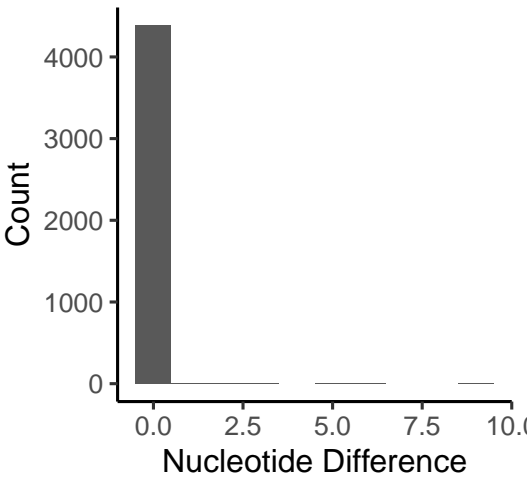
TRBV7-2*ap01

7352 sequences assigned
7340 (99.8%) exact matches, in which:
7336 unique CDR3
13 unique J



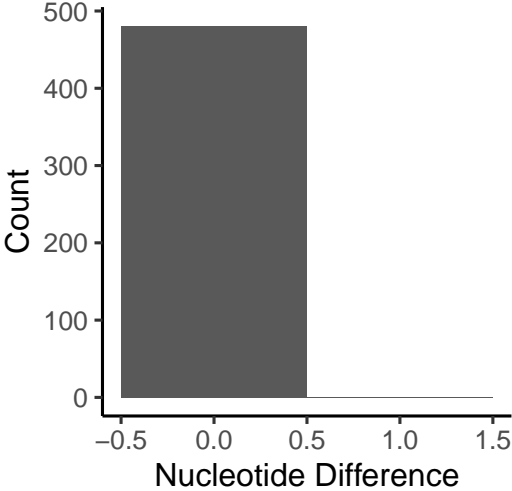
TRBV7-3*ap01

4403 sequences assigned
4386 (99.6%) exact matches, in which:
4375 unique CDR3
13 unique J



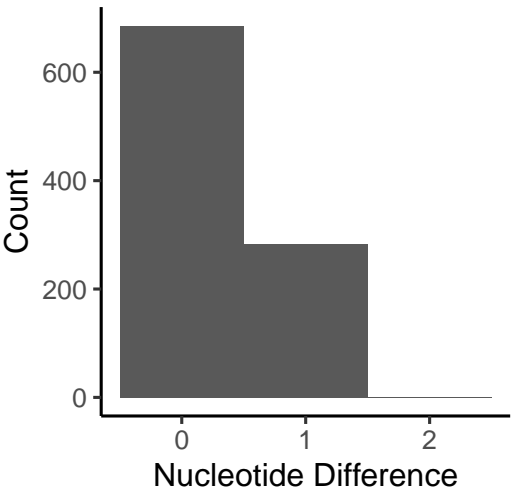
TRBV7-7*ap01

482 sequences assigned
481 (99.8%) exact matches, in which:
480 unique CDR3
13 unique J



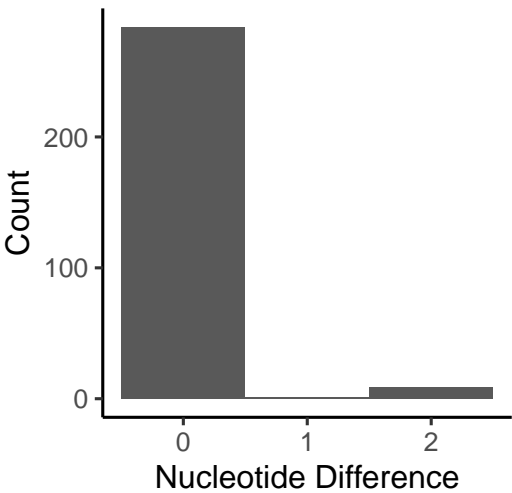
TRBV7-8*ap03

970 sequences assigned
686 (70.7%) exact matches, in which:
684 unique CDR3
13 unique J



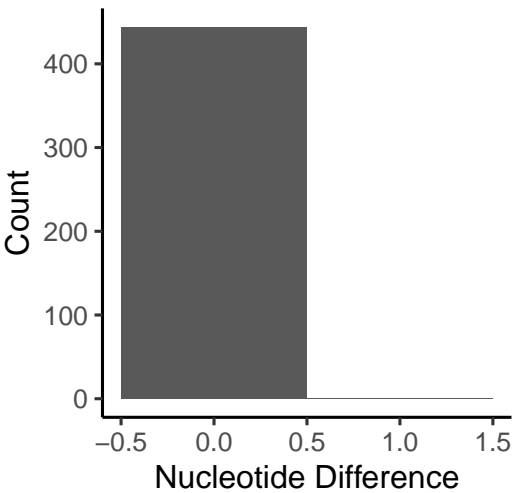
TRBV7-4*ap01

294 sequences assigned
284 (96.6%) exact matches, in which:
284 unique CDR3
13 unique J



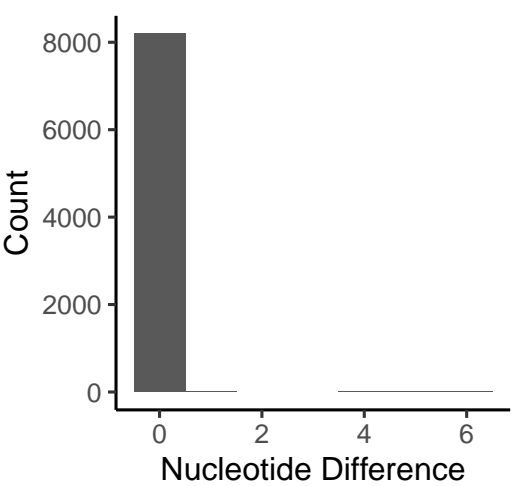
TRBV7-7*ap01_C315T

445 sequences assigned
444 (99.8%) exact matches, in which:
444 unique CDR3
13 unique J



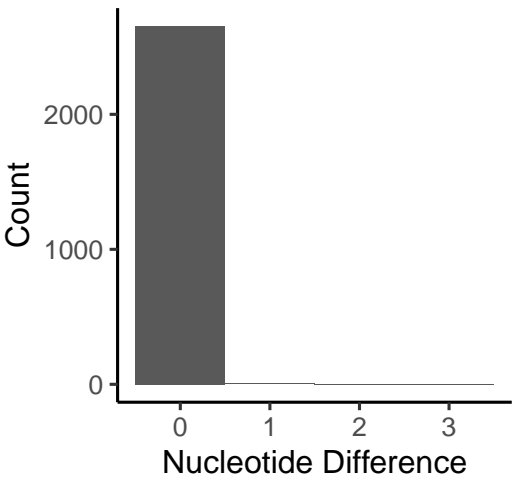
TRBV7-9*ap01

8210 sequences assigned
8195 (99.8%) exact matches, in which:
8187 unique CDR3
13 unique J



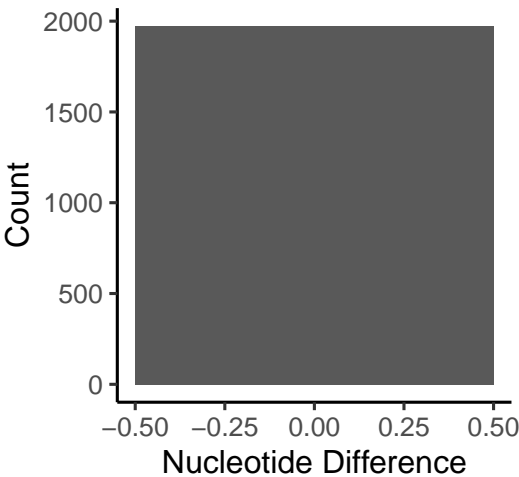
TRBV7-6*ap01

2663 sequences assigned
2654 (99.7%) exact matches, in which:
2652 unique CDR3
13 unique J



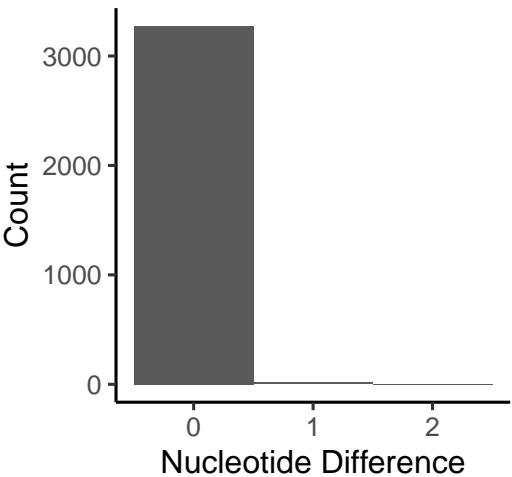
TRBV7-8*ap01

1973 sequences assigned
1973 (100%) exact matches, in which:
1970 unique CDR3
13 unique J



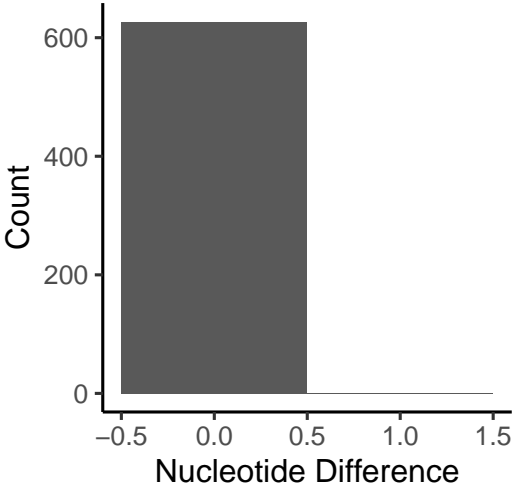
TRBV29-1*ap01

3290 sequences assigned
3274 (99.5%) exact matches, in which:
3268 unique CDR3
14 unique J

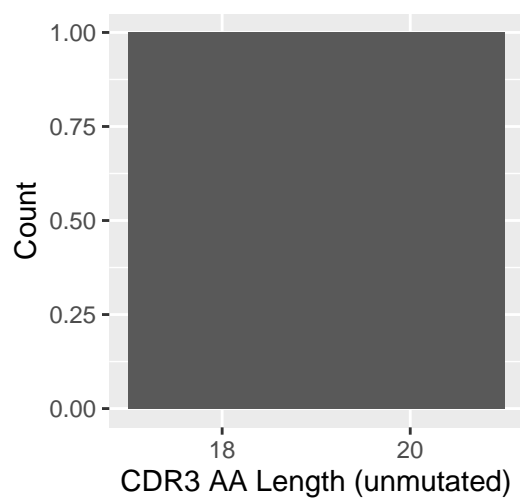


TRBV29-1*ap02

628 sequences assigned
627 (99.8%) exact matches, in which:
627 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

