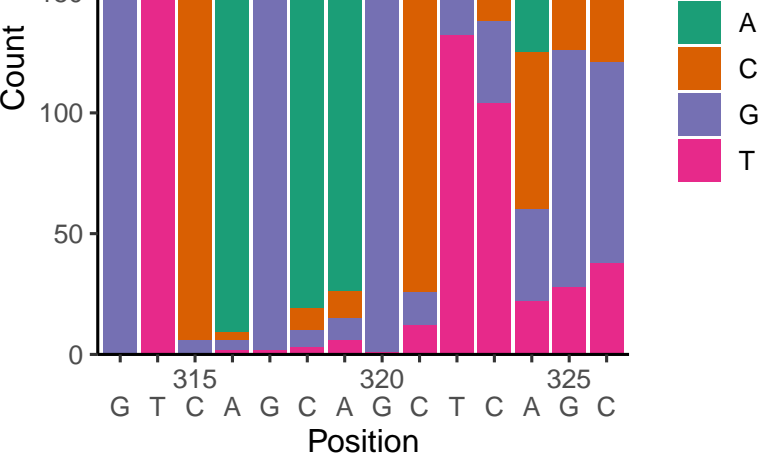
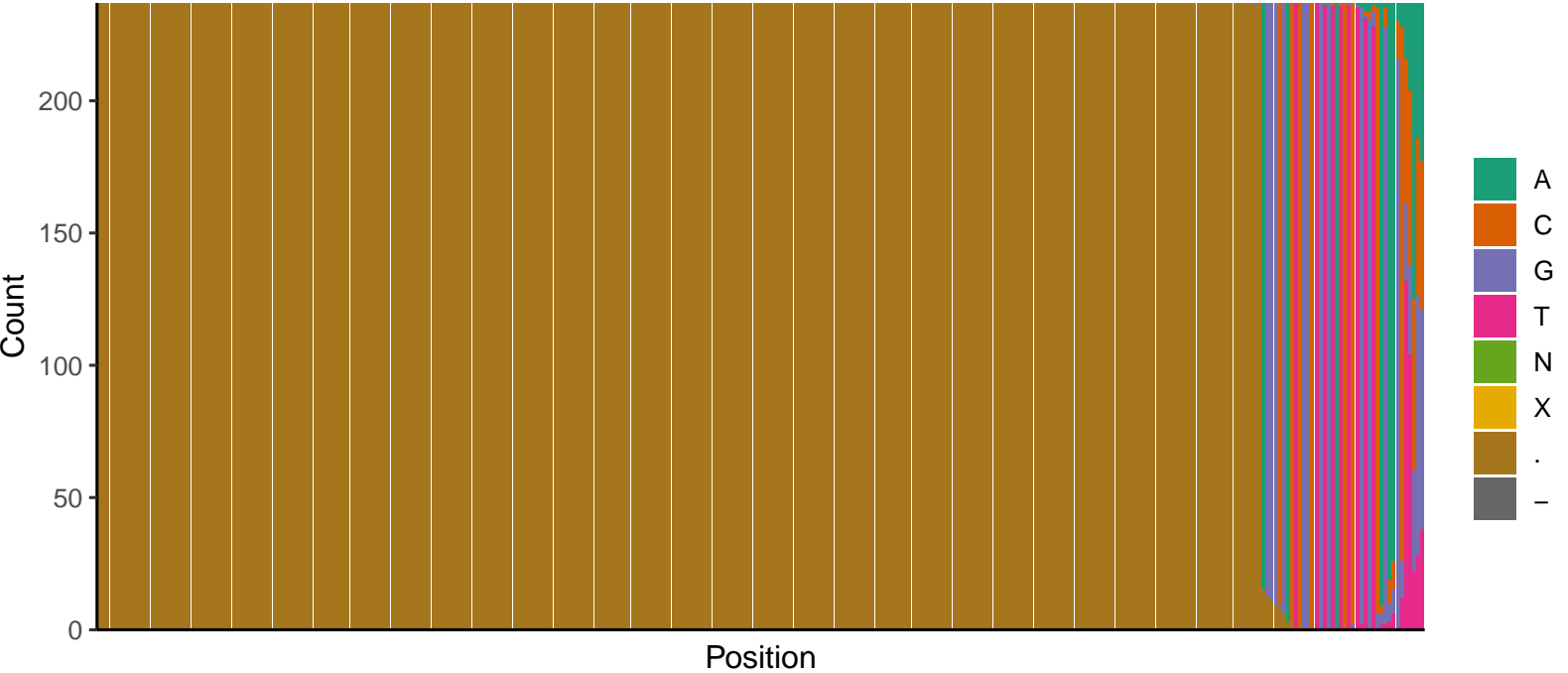


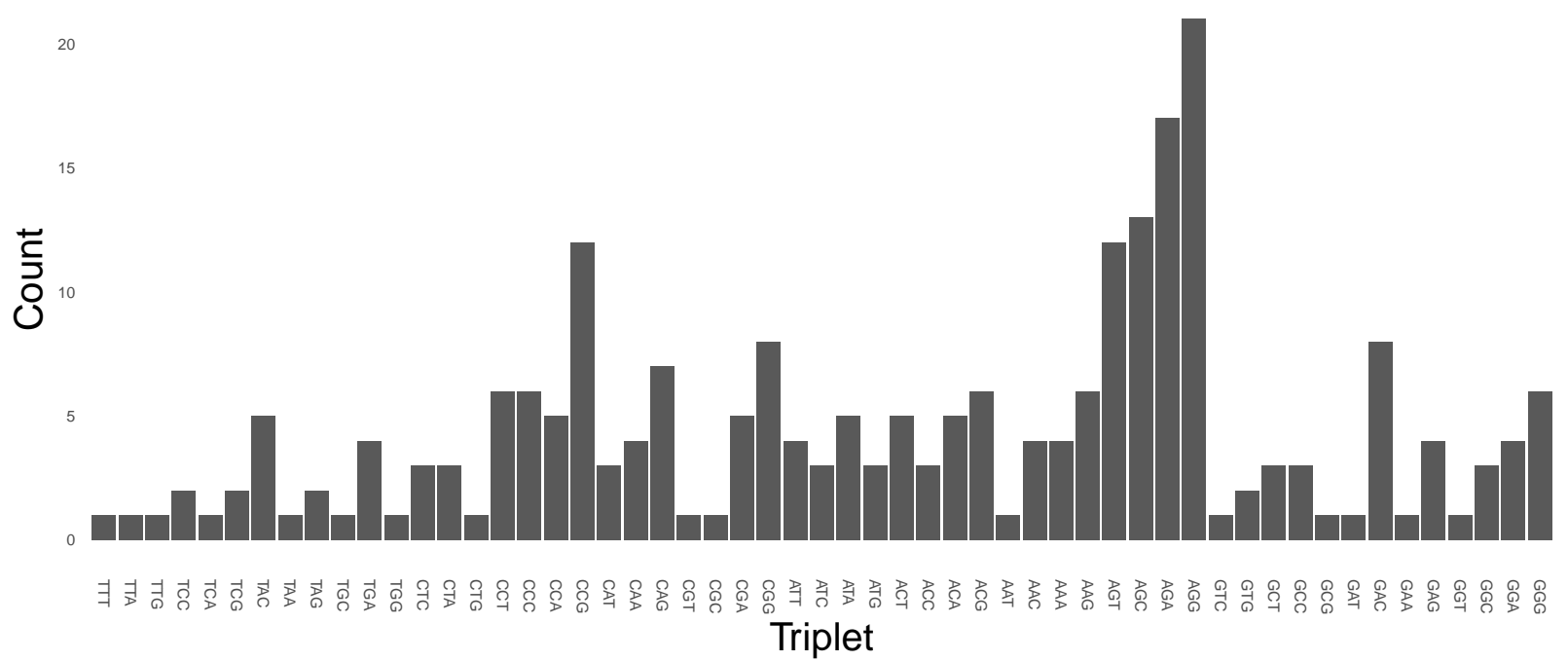
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

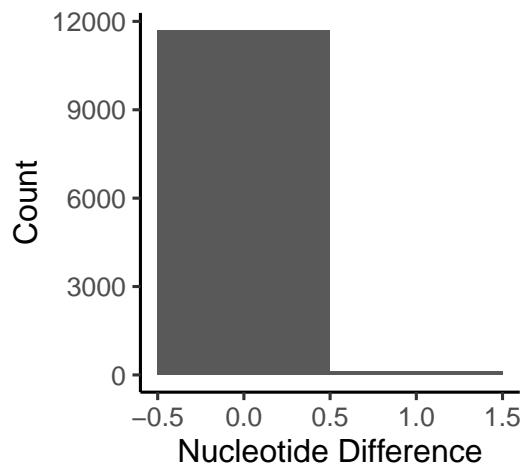


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



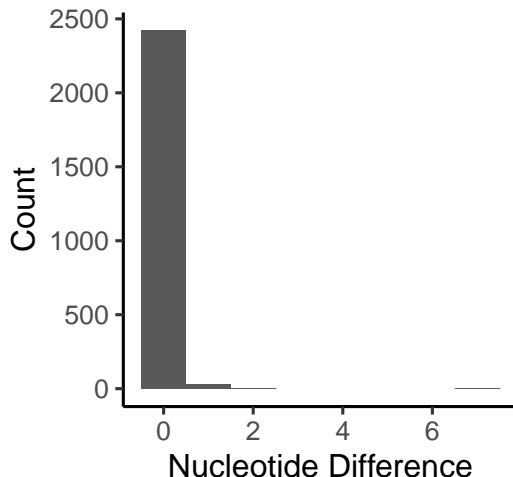
TRBV20-1*ap01

11821 sequences assigned
11702 (99%) exact matches, in which:
11548 unique CDR3
13 unique J



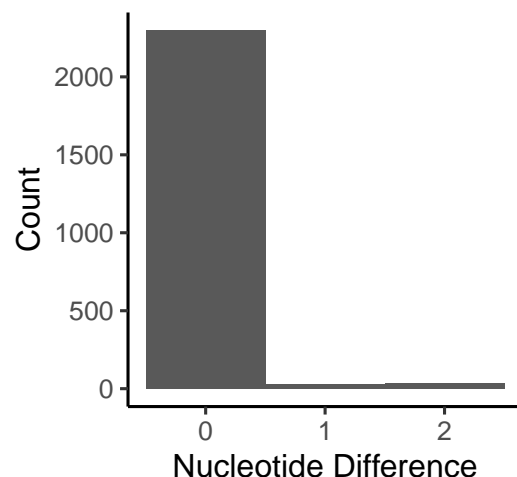
TRBV10-2*ap01

2452 sequences assigned
2422 (98.8%) exact matches, in which:
2392 unique CDR3
13 unique J



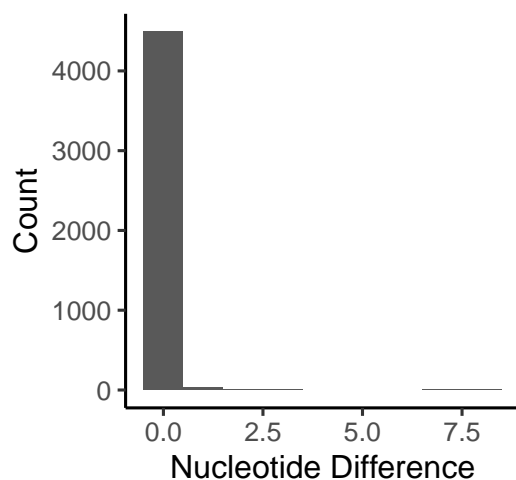
TRBV13*ap01

2363 sequences assigned
2298 (97.2%) exact matches, in which:
2230 unique CDR3
13 unique J



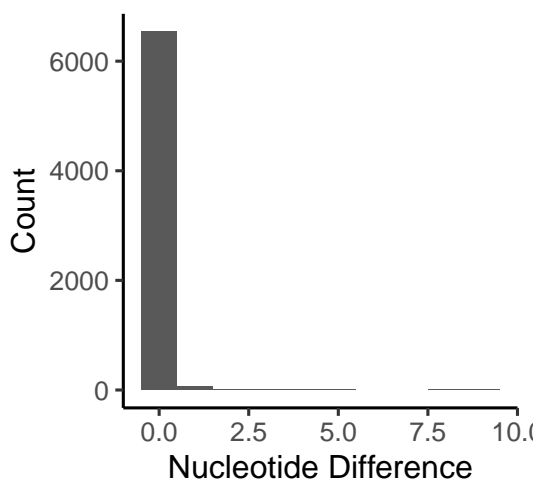
TRBV10-1*ap01

4531 sequences assigned
4491 (99.1%) exact matches, in which:
4409 unique CDR3
13 unique J



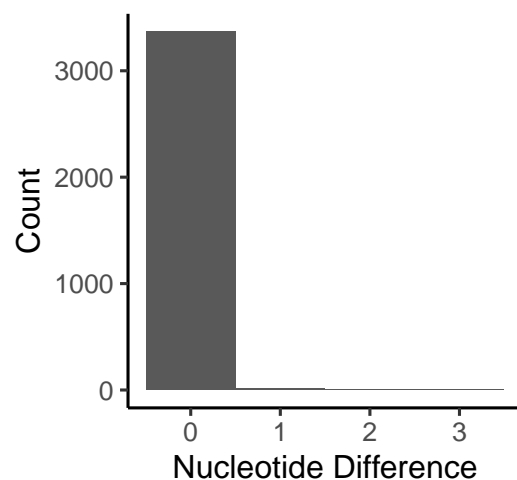
TRBV10-3*ap01

6618 sequences assigned
6537 (98.8%) exact matches, in which:
6429 unique CDR3
13 unique J



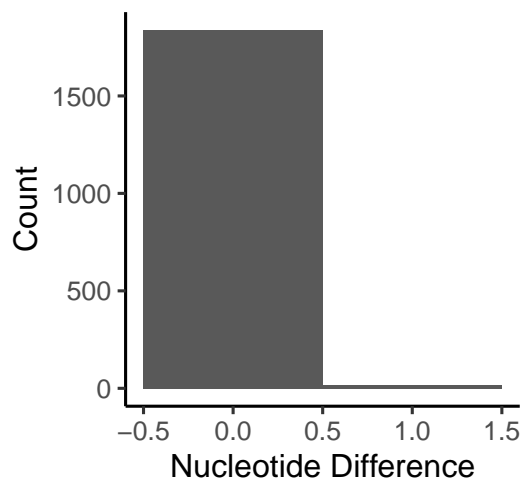
TRBV14*ap01

3385 sequences assigned
3367 (99.5%) exact matches, in which:
3334 unique CDR3
13 unique J



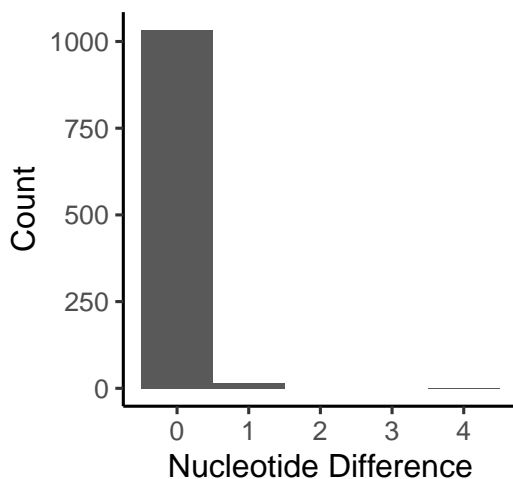
TRBV20-1*ap02

1856 sequences assigned
1838 (99%) exact matches, in which:
1818 unique CDR3
13 unique J



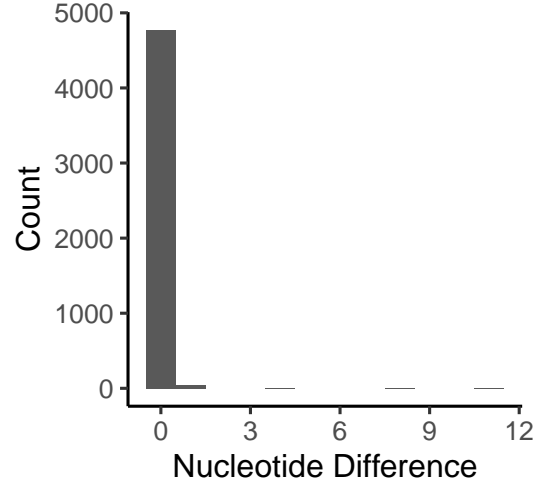
TRBV1*ap01

1049 sequences assigned
1033 (98.5%) exact matches, in which:
1000 unique CDR3
13 unique J



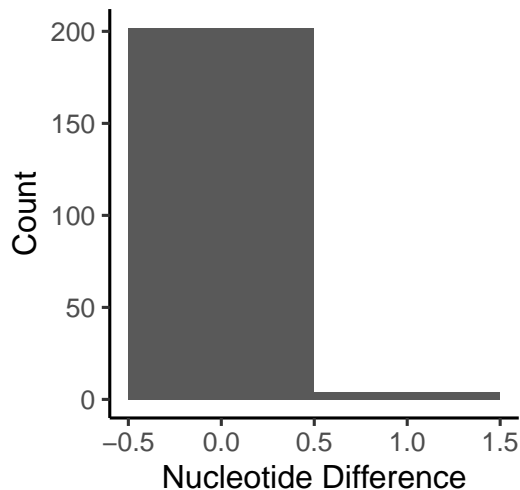
TRBV15*ap02

4822 sequences assigned
4771 (98.9%) exact matches, in which:
4678 unique CDR3
13 unique J



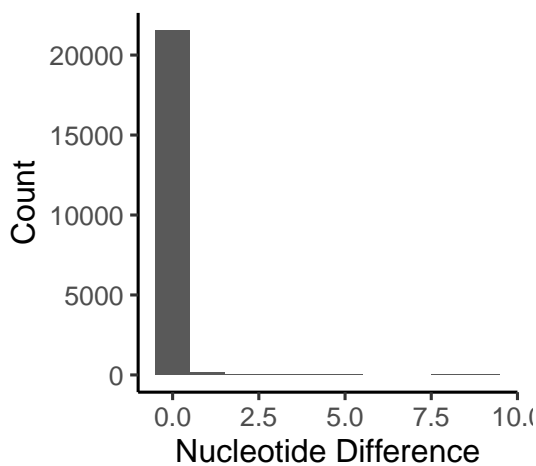
TRBV16*ap01

206 sequences assigned
202 (98.1%) exact matches, in which:
199 unique CDR3
12 unique J



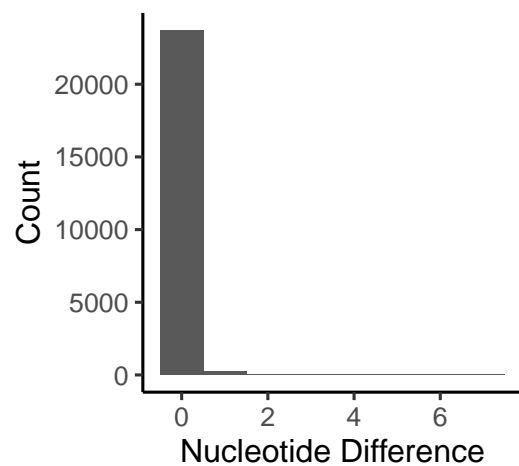
TRBV19*ap01

21719 sequences assigned
21558 (99.3%) exact matches, in which:
21456 unique CDR3
13 unique J



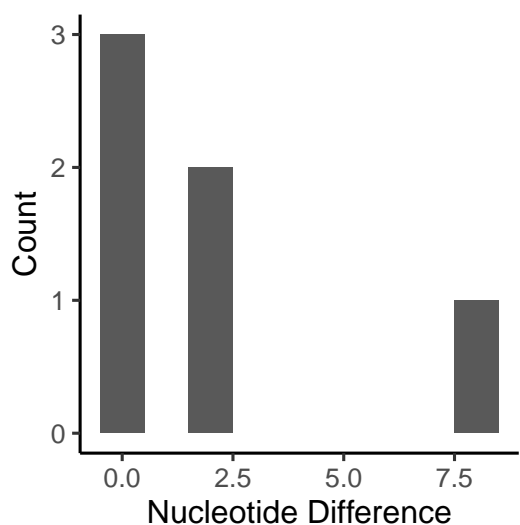
TRBV27*ap01

23984 sequences assigned
23722 (98.9%) exact matches, in which:
23203 unique CDR3
13 unique J



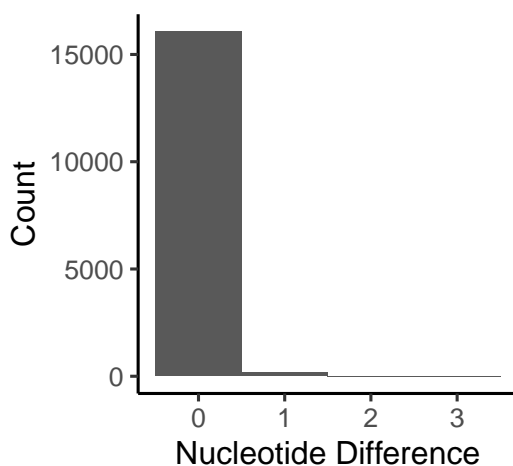
TRBV17*ap01

6 sequences assigned
3 (50%) exact matches, in which:
3 unique CDR3
3 unique J



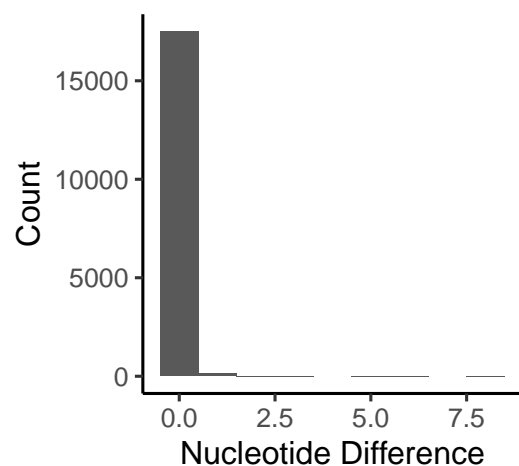
TRBV2*ap01

16259 sequences assigned
16072 (98.8%) exact matches, in which:
15738 unique CDR3
13 unique J



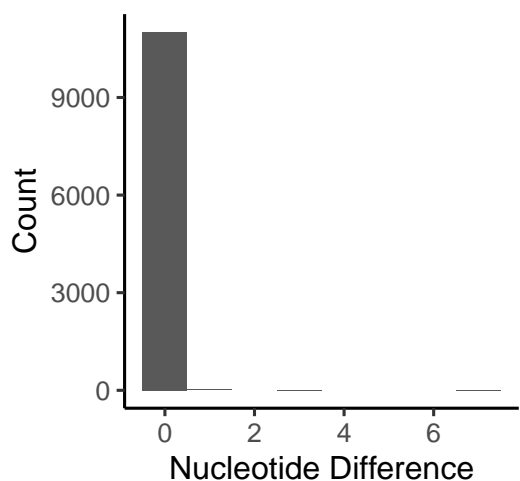
TRBV28*ap01

17654 sequences assigned
17503 (99.1%) exact matches, in which:
17316 unique CDR3
13 unique J



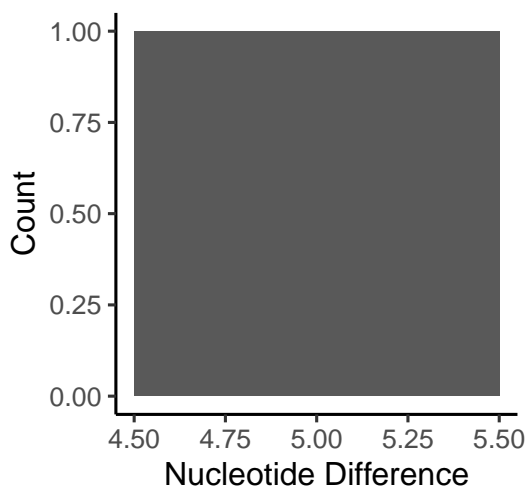
TRBV18*ap01

11042 sequences assigned
11011 (99.7%) exact matches, in which:
10957 unique CDR3
13 unique J



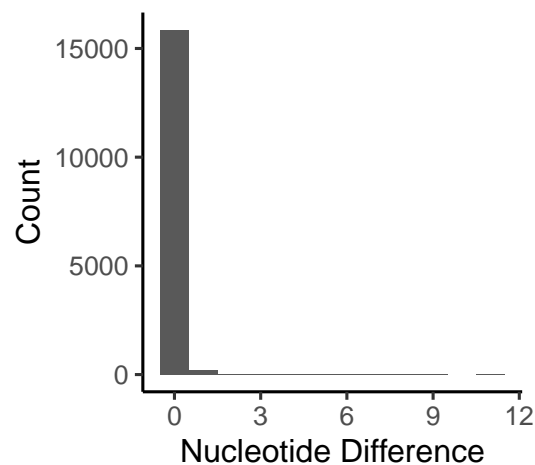
TRBV26*ap01

1 sequences assigned
No exact matches.



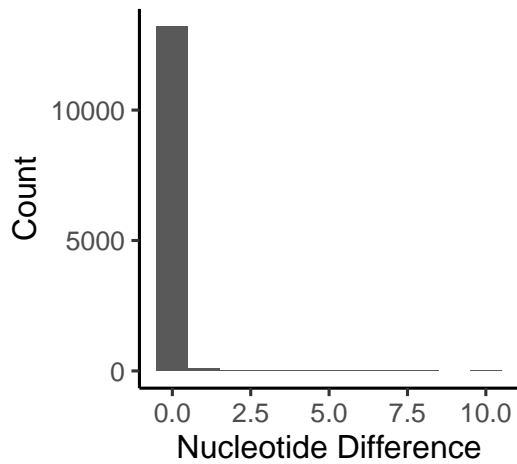
TRBV30*ap01

16101 sequences assigned
15859 (98.5%) exact matches, in which:
15468 unique CDR3
13 unique J



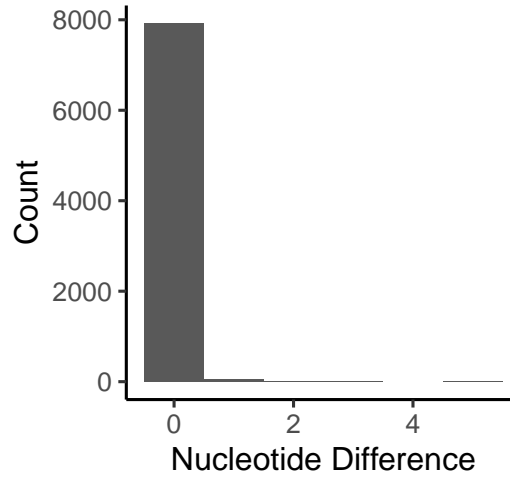
TRBV9*ap01

13343 sequences assigned
13218 (99.1%) exact matches, in which:
13059 unique CDR3
13 unique J



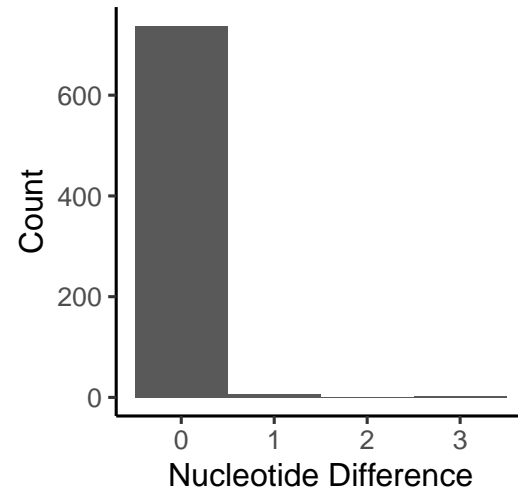
TRBV11-2*ap01

7983 sequences assigned
7920 (99.2%) exact matches, in which:
7816 unique CDR3
14 unique J



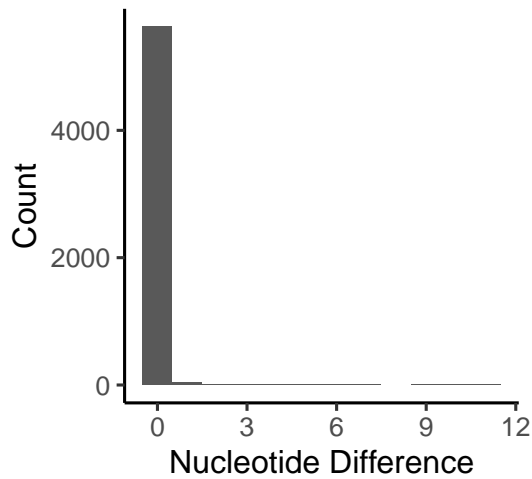
TRBV12-2*ap01

747 sequences assigned
738 (98.8%) exact matches, in which:
732 unique CDR3
13 unique J



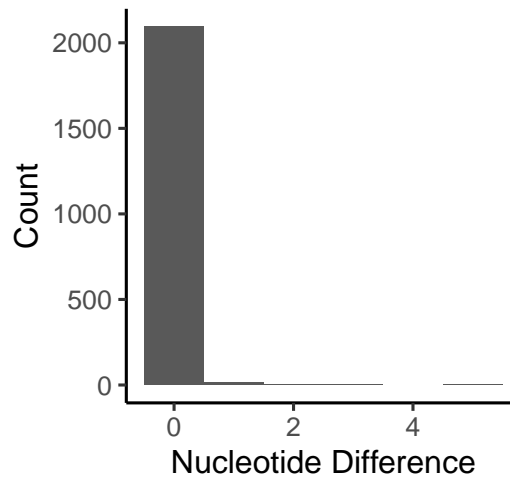
TRBV21-1*ap01

5699 sequences assigned
5628 (98.8%) exact matches, in which:
5585 unique CDR3
13 unique J



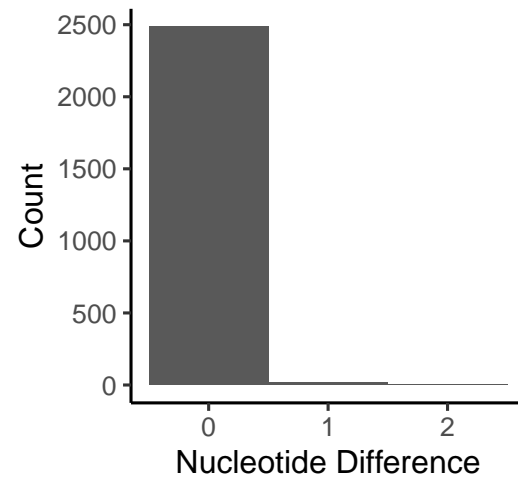
TRBV11-3*ap01

2115 sequences assigned
2094 (99%) exact matches, in which:
2073 unique CDR3
13 unique J



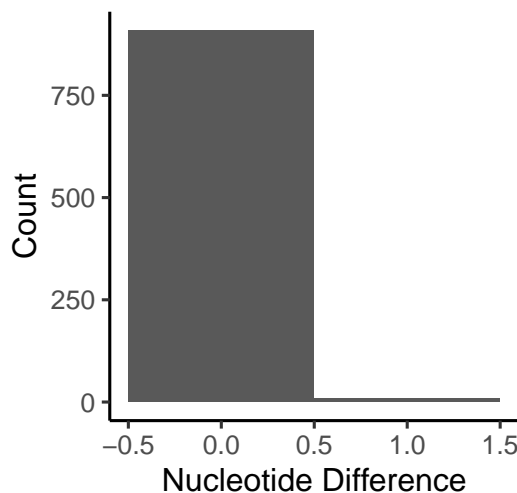
TRBV12-5*ap01

2507 sequences assigned
2486 (99.2%) exact matches, in which:
2458 unique CDR3
13 unique J



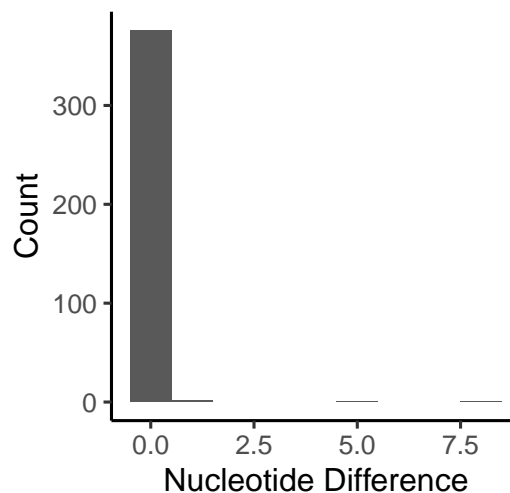
TRBV11-1*ap01

917 sequences assigned
909 (99.1%) exact matches, in which:
903 unique CDR3
13 unique J



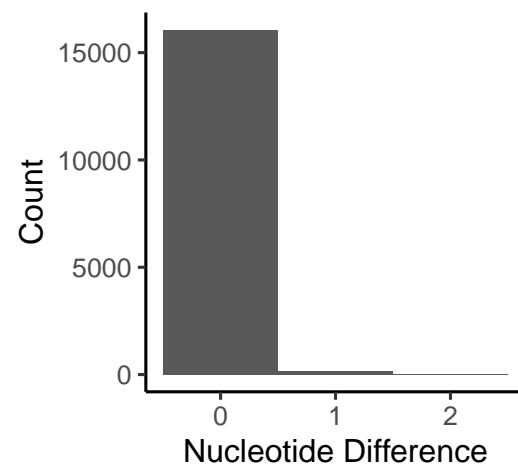
TRBV12-1*ap01

380 sequences assigned
376 (98.9%) exact matches, in which:
373 unique CDR3
13 unique J



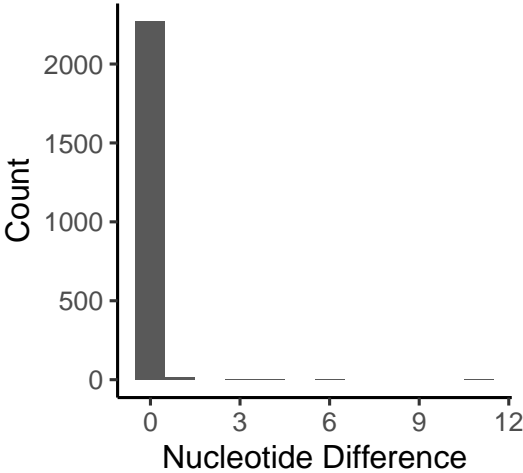
TRBV12-34*ap01

16209 sequences assigned
16065 (99.1%) exact matches, in which:
15852 unique CDR3
13 unique J



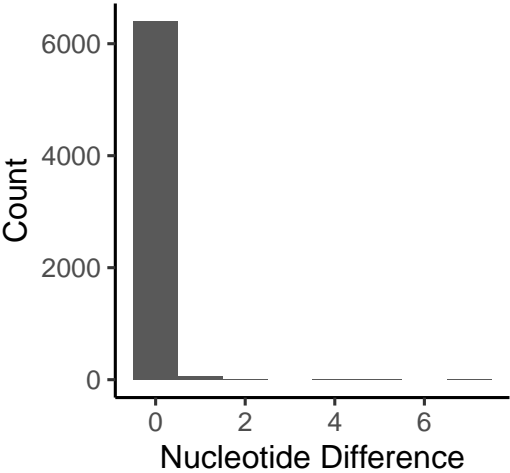
TRBV23-1*ap01

2296 sequences assigned
2270 (98.9%) exact matches, in which:
2251 unique CDR3
13 unique J



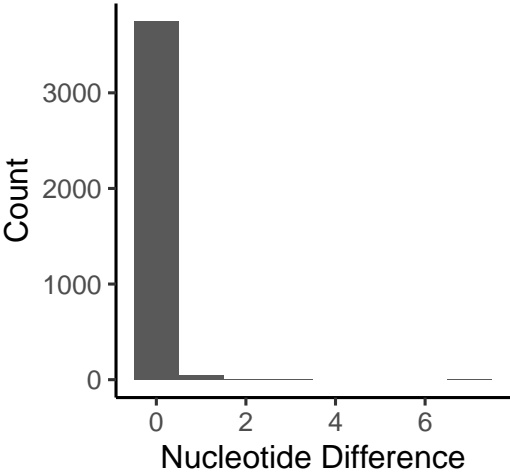
TRBV24-1*ap01

6479 sequences assigned
6398 (98.7%) exact matches, in which:
6262 unique CDR3
13 unique J



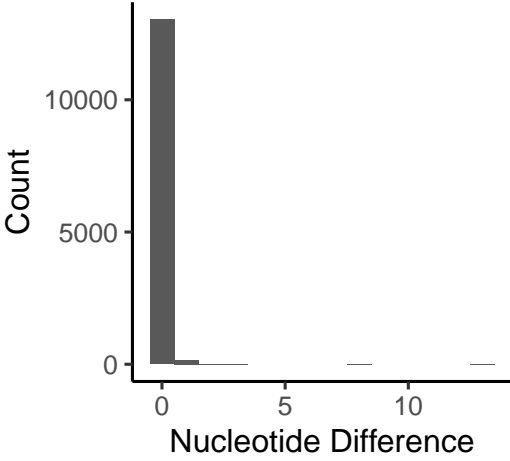
TRBV25-1*ap01

3798 sequences assigned
3747 (98.7%) exact matches, in which:
3649 unique CDR3
13 unique J



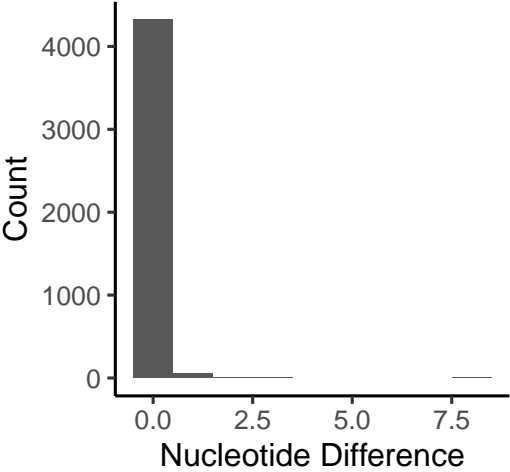
TRBV3-12*ap01

13198 sequences assigned
13038 (98.8%) exact matches, in which:
12814 unique CDR3
13 unique J



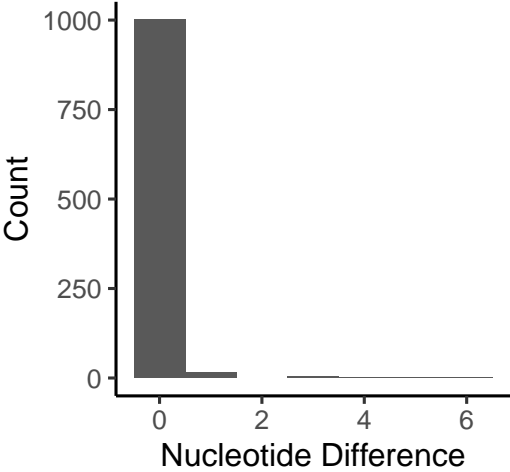
TRBV4-2*ap01

4375 sequences assigned
4322 (98.8%) exact matches, in which:
4247 unique CDR3
13 unique J



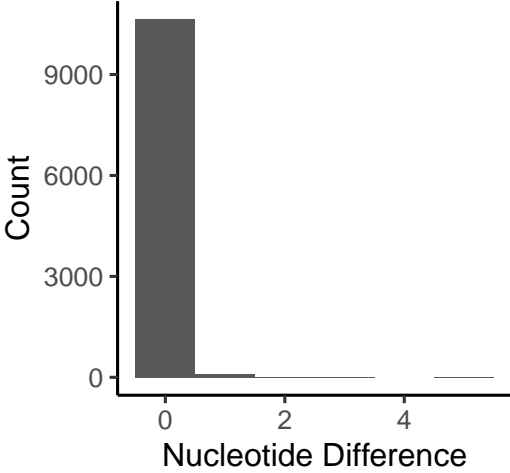
TRBV5-3*ap01

1022 sequences assigned
1001 (97.9%) exact matches, in which:
991 unique CDR3
13 unique J



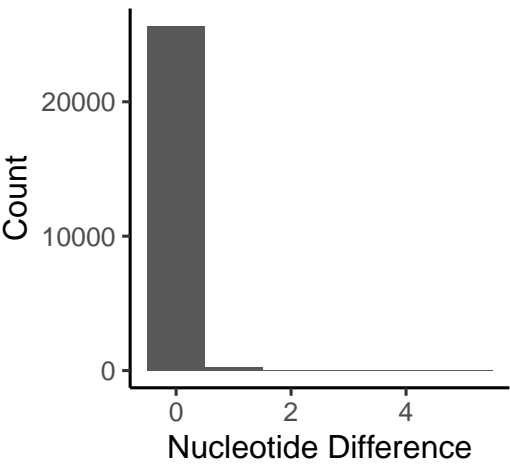
TRBV4-1*ap01

10755 sequences assigned
10649 (99%) exact matches, in which:
10392 unique CDR3
13 unique J



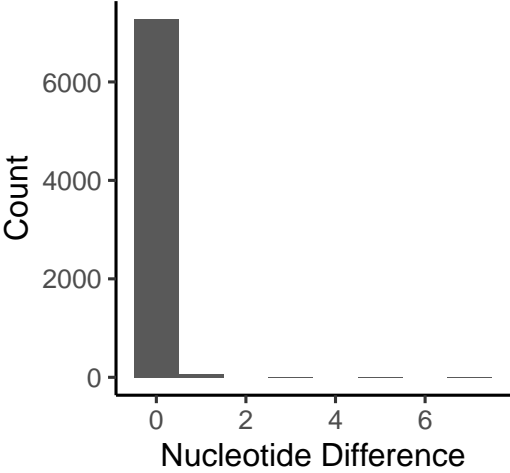
TRBV5-1*ap01

25926 sequences assigned
25654 (99%) exact matches, in which:
25047 unique CDR3
13 unique J



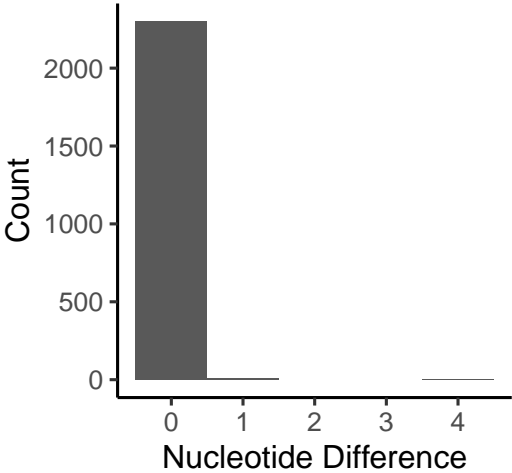
TRBV5-4*ap01

7353 sequences assigned
7277 (99%) exact matches, in which:
7130 unique CDR3
13 unique J



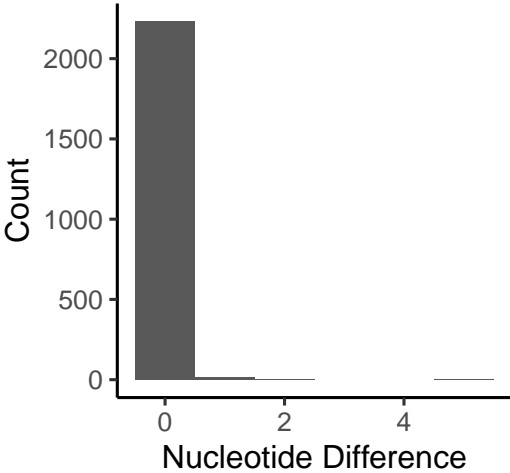
TRBV5-5*ap01

2310 sequences assigned
2300 (99.6%) exact matches, in which:
2279 unique CDR3
13 unique J



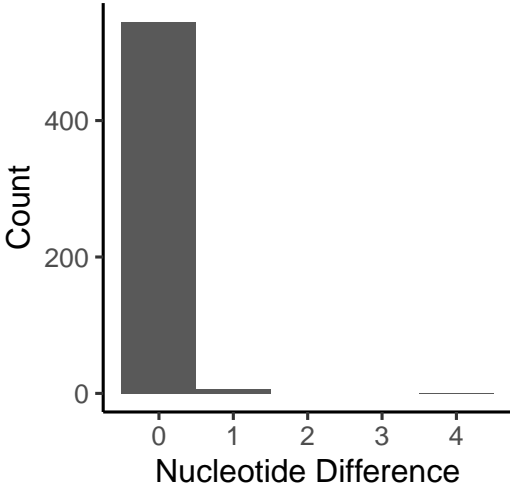
TRBV5-8*ap01

2255 sequences assigned
2232 (99%) exact matches, in which:
2213 unique CDR3
13 unique J



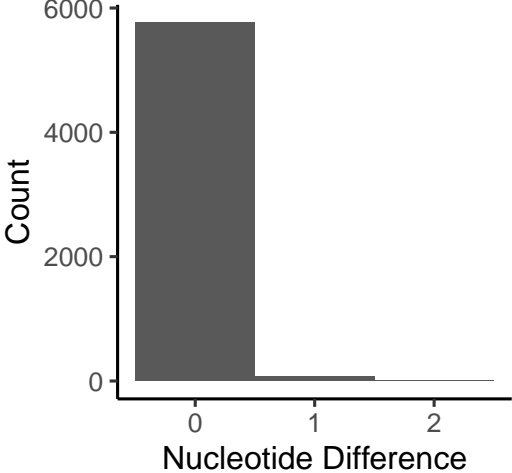
TRBV6-7*ap01

553 sequences assigned
545 (98.6%) exact matches, in which:
529 unique CDR3
13 unique J



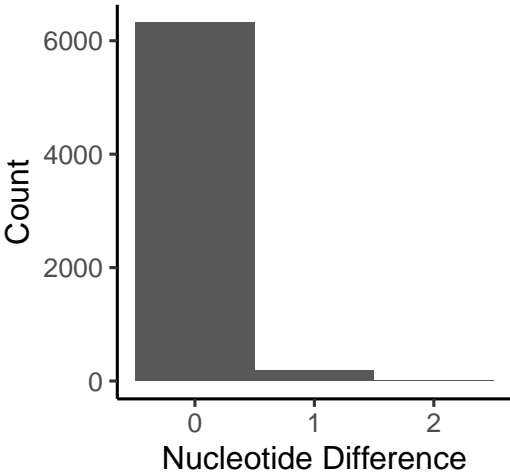
TRBV5-6*ap01

5832 sequences assigned
5763 (98.8%) exact matches, in which:
5617 unique CDR3
13 unique J



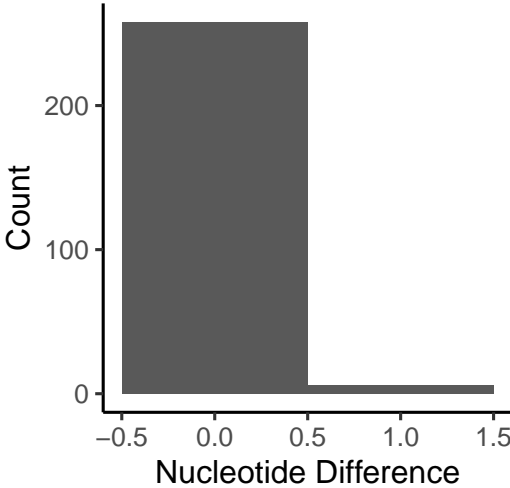
TRBV6-1*ap01

6503 sequences assigned
6318 (97.2%) exact matches, in which:
6180 unique CDR3
13 unique J



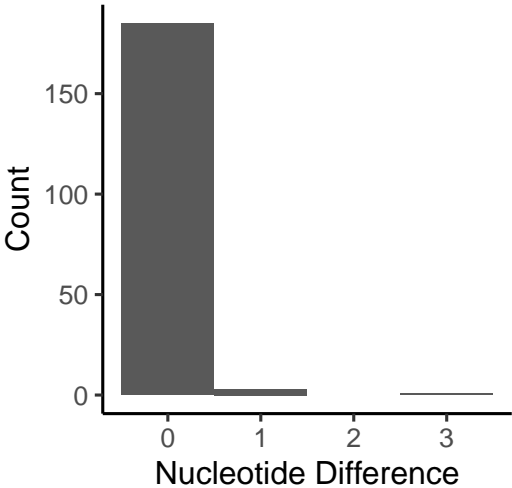
TRBV6-8*ap01

264 sequences assigned
258 (97.7%) exact matches, in which:
250 unique CDR3
13 unique J



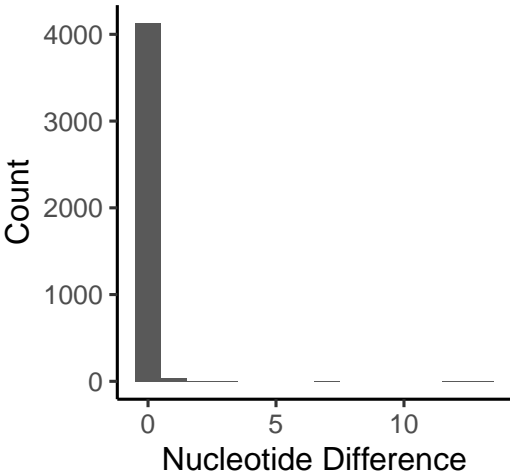
TRBV5-7*ap01

189 sequences assigned
185 (97.9%) exact matches, in which:
180 unique CDR3
13 unique J



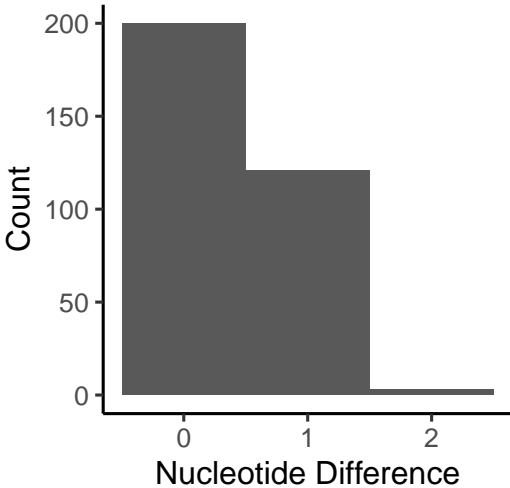
TRBV6-4*ap01

4179 sequences assigned
4130 (98.8%) exact matches, in which:
4088 unique CDR3
14 unique J



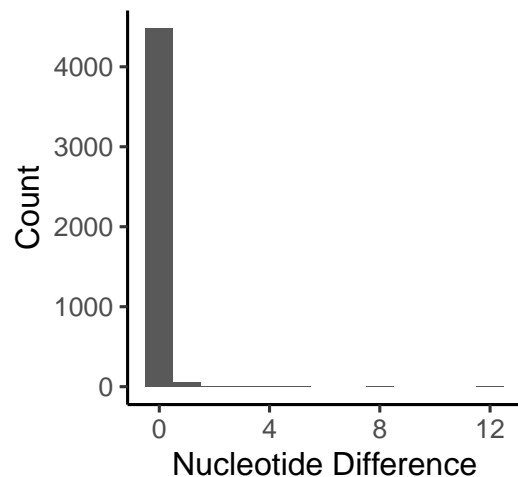
TRBV6-9*ap01

324 sequences assigned
200 (61.7%) exact matches, in which:
197 unique CDR3
13 unique J



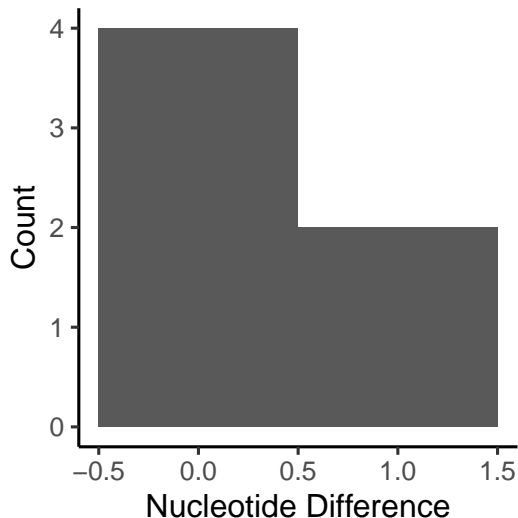
TRBV6-23*ap01

4541 sequences assigned
4480 (98.7%) exact matches, in which:
4322 unique CDR3
13 unique J



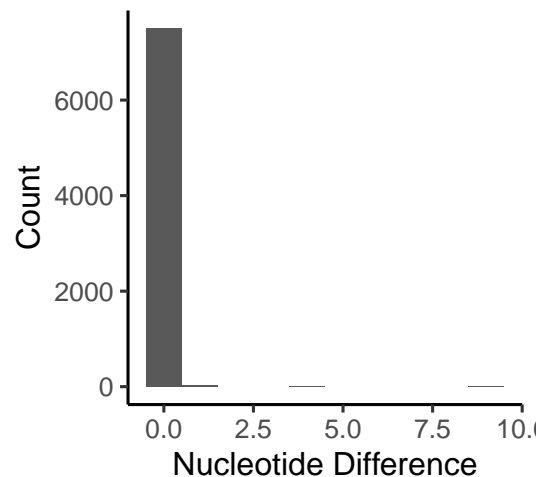
TRBV7-1*ap01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
4 unique J



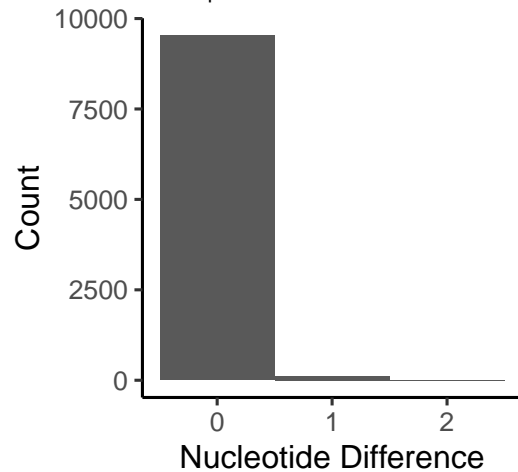
TRBV7-3*ap01

7545 sequences assigned
7501 (99.4%) exact matches, in which:
7440 unique CDR3
14 unique J



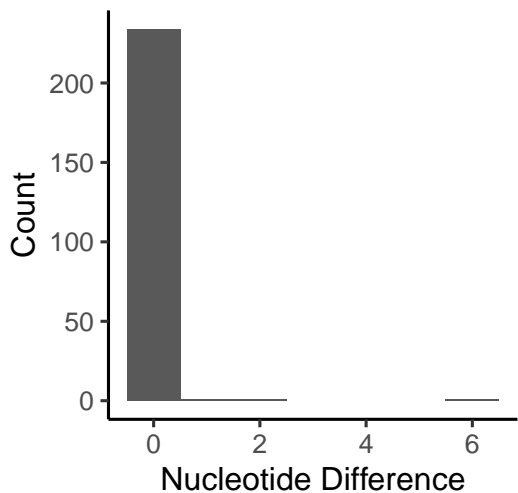
TRBV6-56*ap01

9650 sequences assigned
9532 (98.8%) exact matches, in which:
9255 unique CDR3
13 unique J



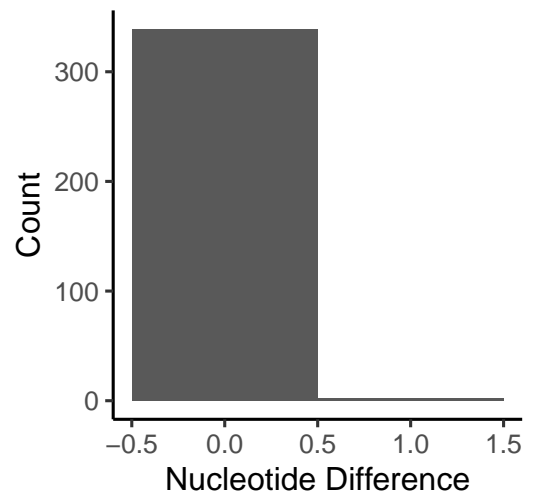
TRBV7-1*ap01_G291C_

237 sequences assigned
234 (98.7%) exact matches, in which:
231 unique CDR3
12 unique J



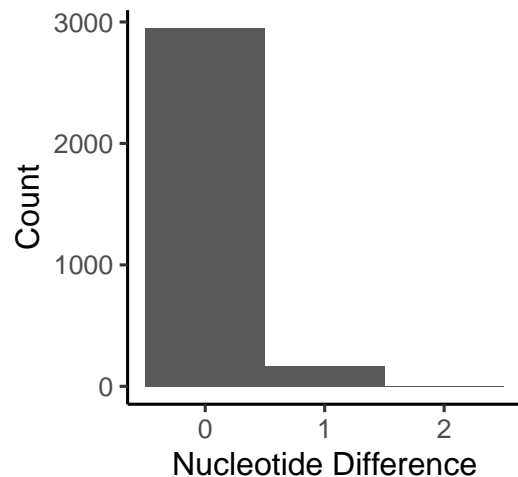
TRBV7-4*ap01

341 sequences assigned
339 (99.4%) exact matches, in which:
328 unique CDR3
13 unique J



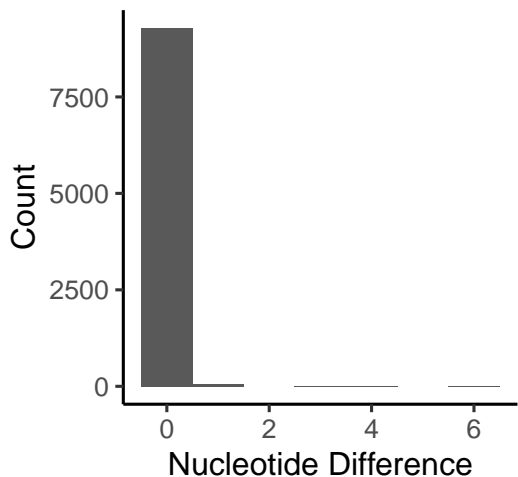
TRBV6-56*ap02

3119 sequences assigned
2950 (94.6%) exact matches, in which:
2875 unique CDR3
13 unique J



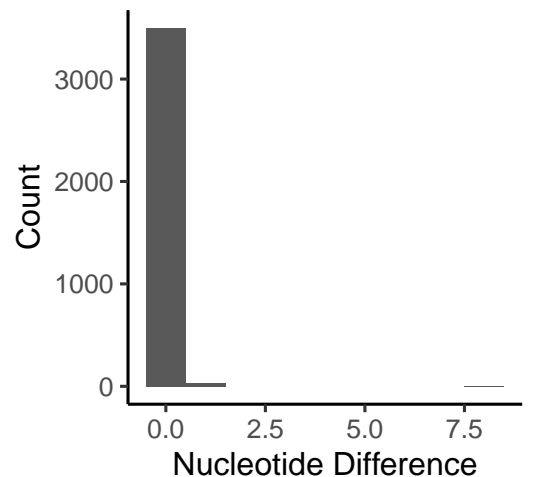
TRBV7-2*ap01

9351 sequences assigned
9285 (99.3%) exact matches, in which:
9182 unique CDR3
13 unique J



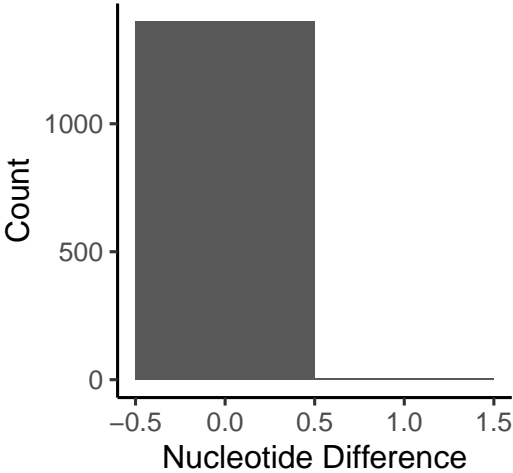
TRBV7-6*ap01

3529 sequences assigned
3498 (99.1%) exact matches, in which:
3445 unique CDR3
13 unique J



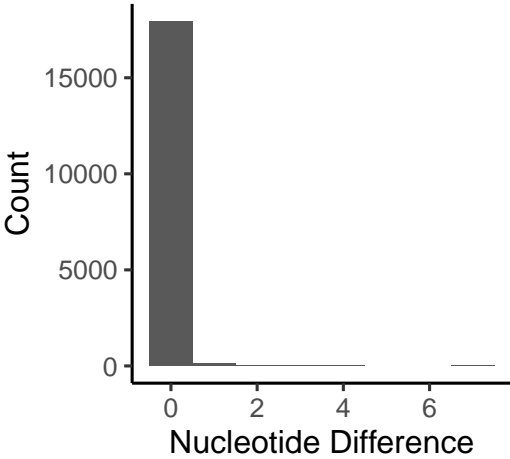
TRBV7-7*ap01

1406 sequences assigned
1400 (99.6%) exact matches, in which:
1381 unique CDR3
13 unique J



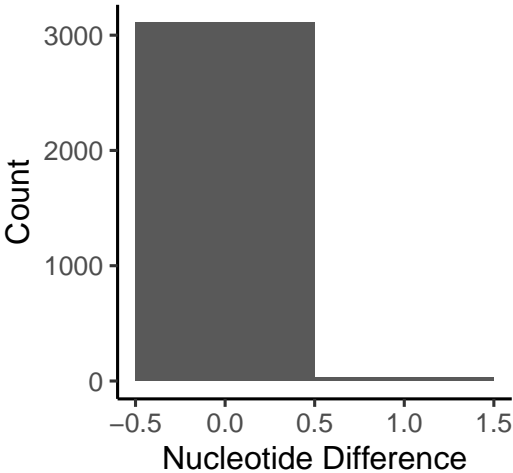
TRBV7-9*ap01

18071 sequences assigned
17948 (99.3%) exact matches, in which:
17732 unique CDR3
13 unique J



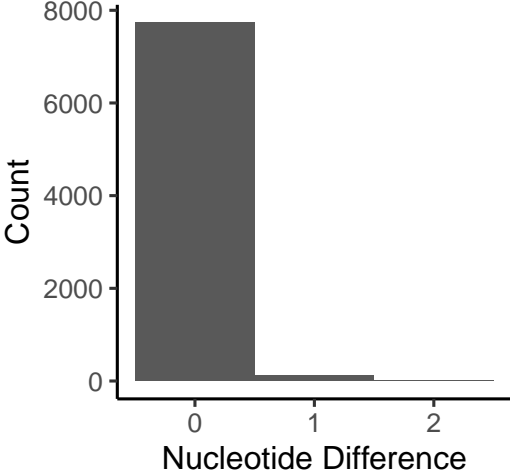
TRBV7-8*ap01

3136 sequences assigned
3108 (99.1%) exact matches, in which:
3065 unique CDR3
13 unique J



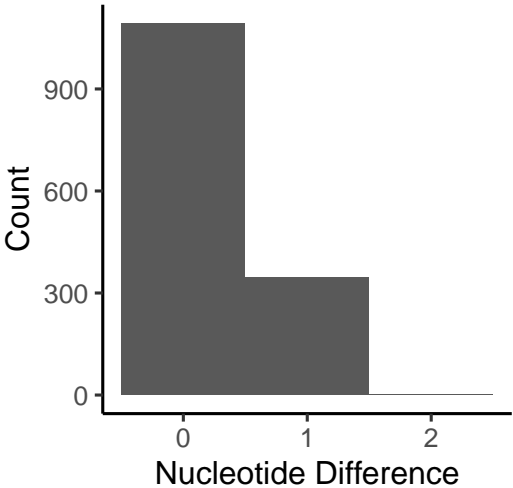
TRBV29-1*ap01

7859 sequences assigned
7732 (98.4%) exact matches, in which:
7497 unique CDR3
13 unique J



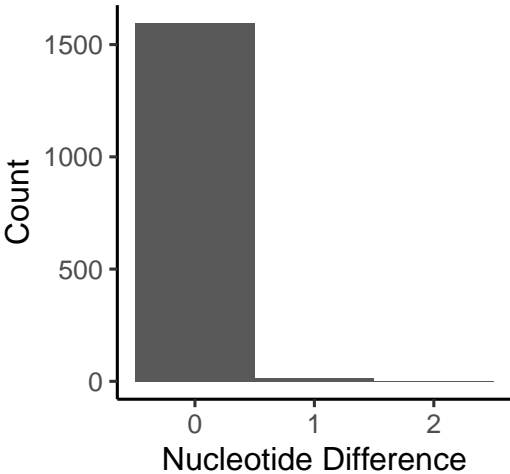
TRBV7-8*ap03

1441 sequences assigned
1093 (75.9%) exact matches, in which:
1079 unique CDR3
13 unique J

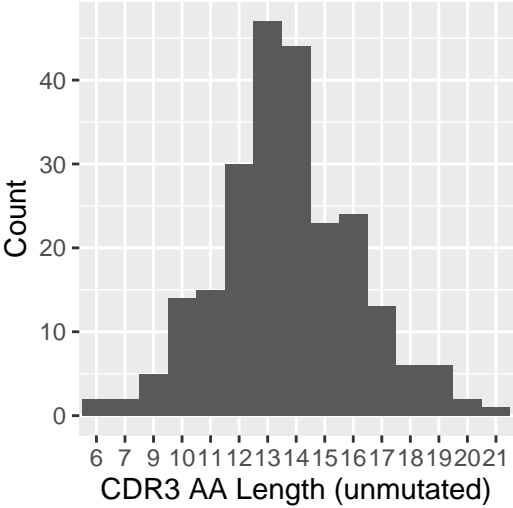


TRBV29-1*ap02

1611 sequences assigned
1596 (99.1%) exact matches, in which:
1551 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]