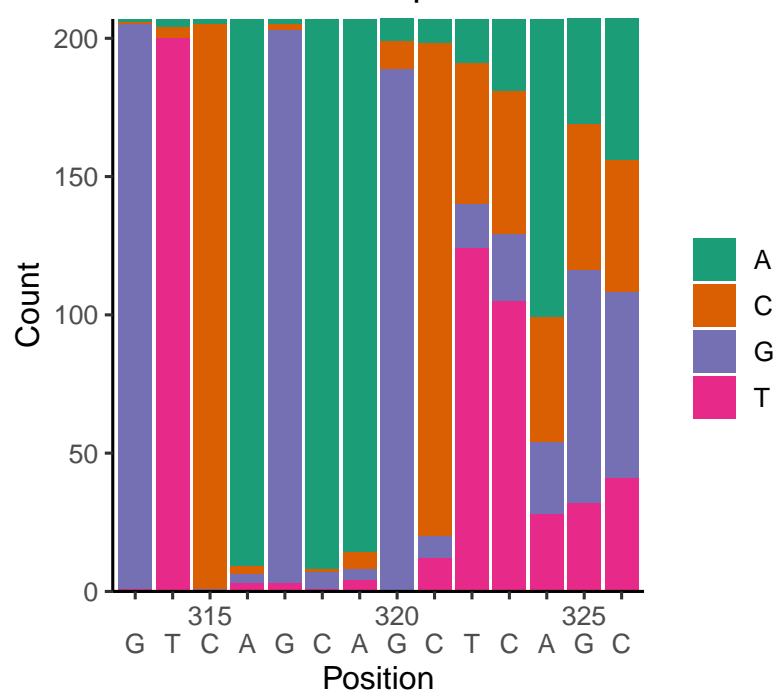
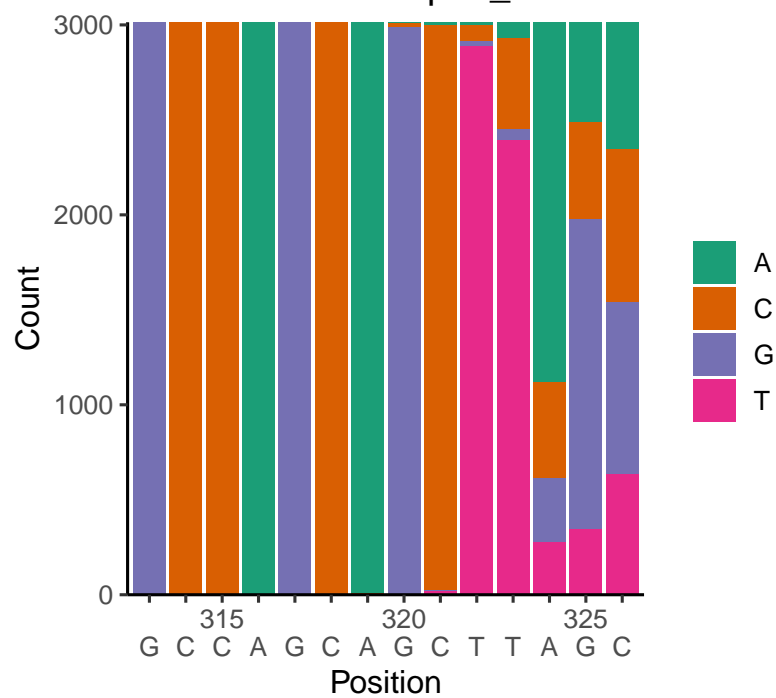


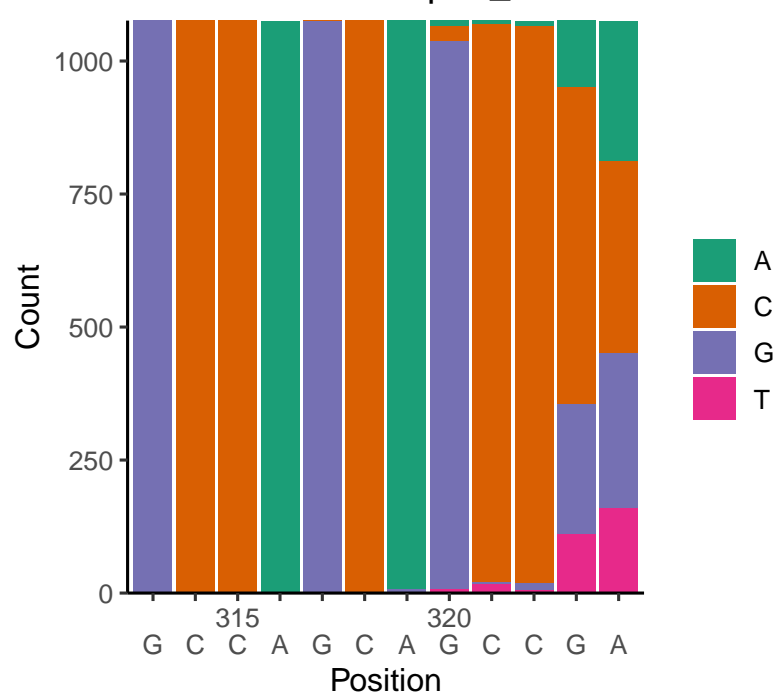
Gene TRBV7-1*ap01_G291C_T296C_C314T



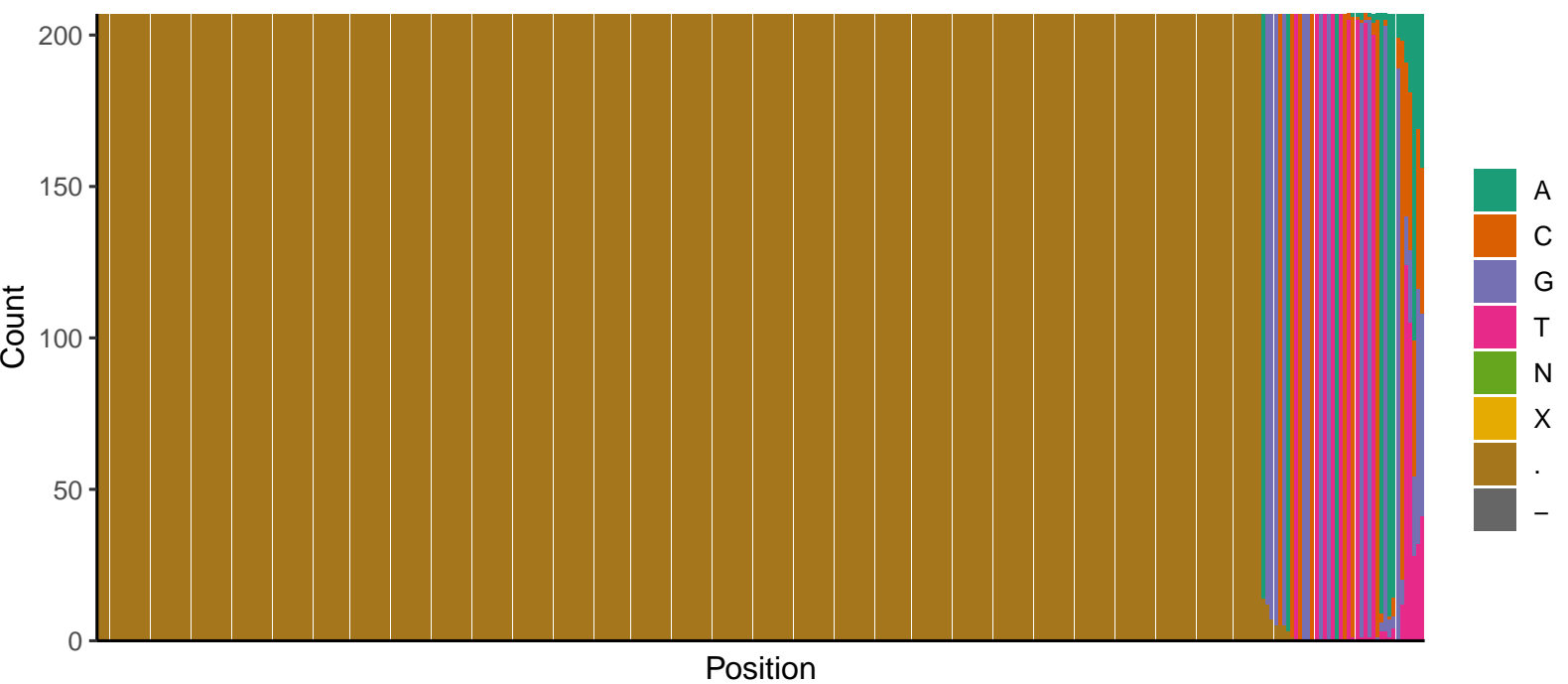
Gene TRBV7-2*ap01_G297A



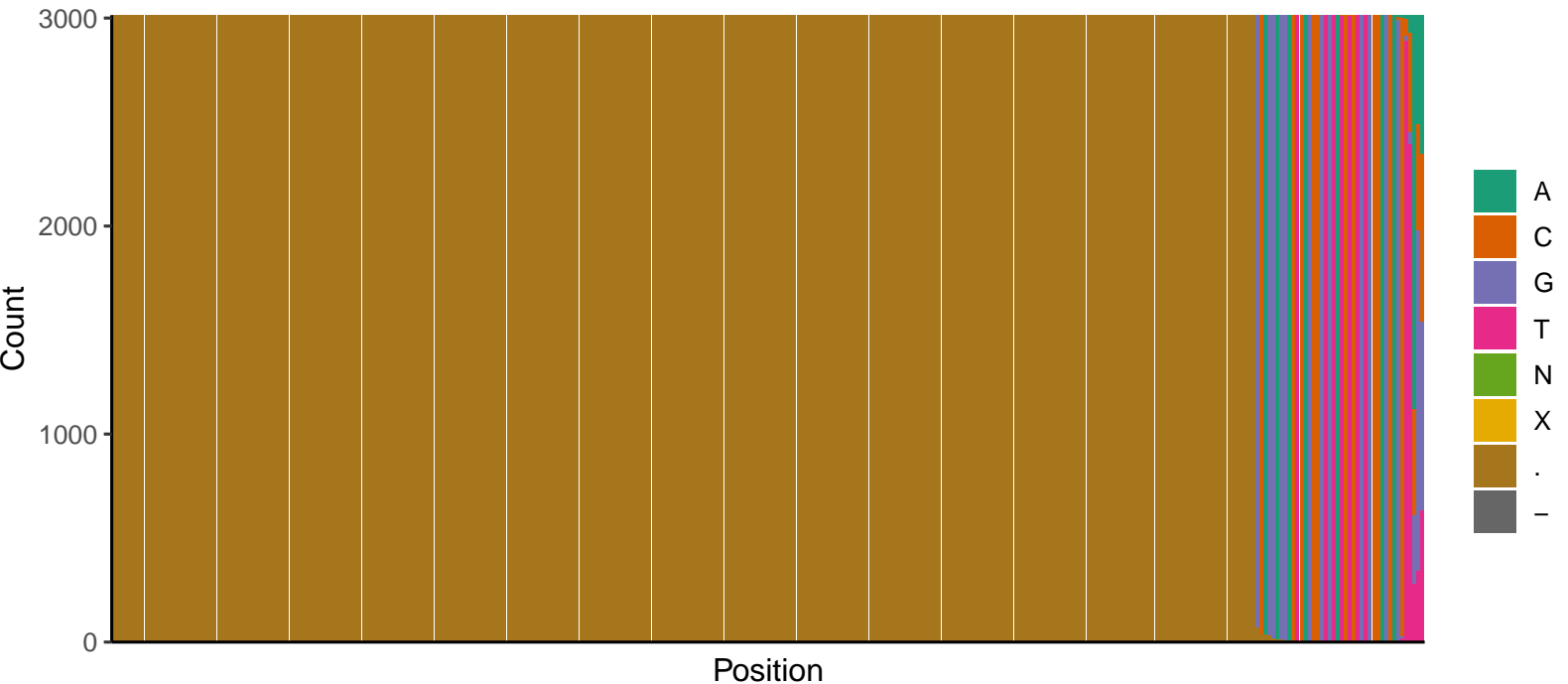
Gene TRBV7-8*ap03_C297A



Gene TRBV7-1*ap01_G291C_T296C_C314T



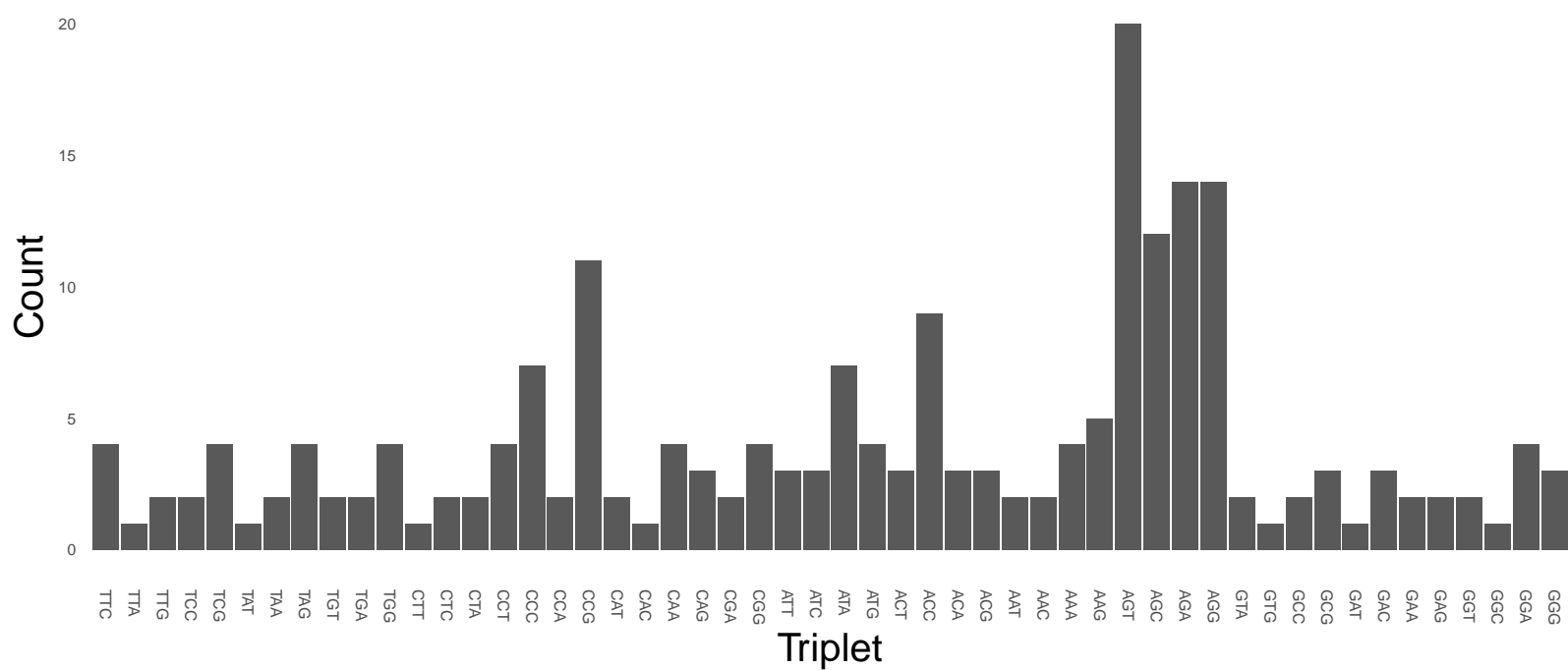
Gene TRBV7-2*ap01_G297A



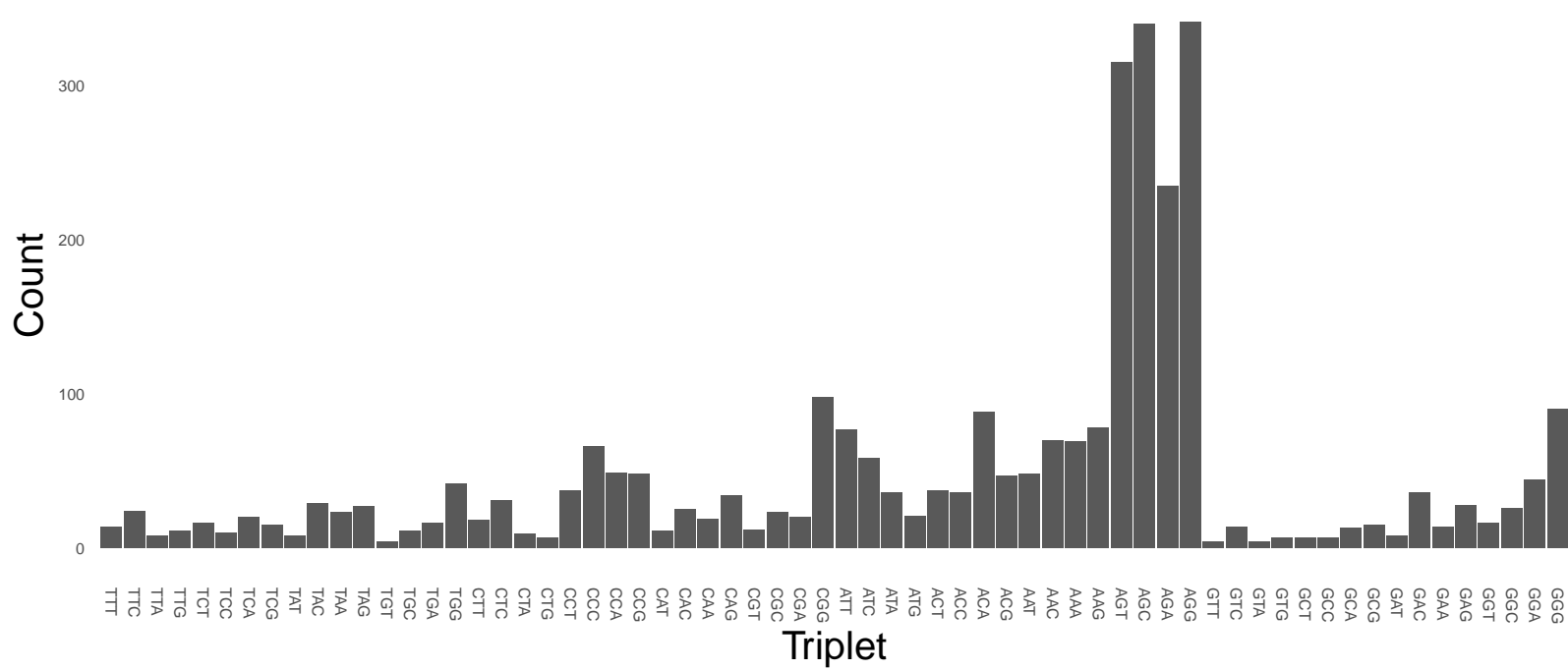
Gene TRBV7-8*ap03_C297A



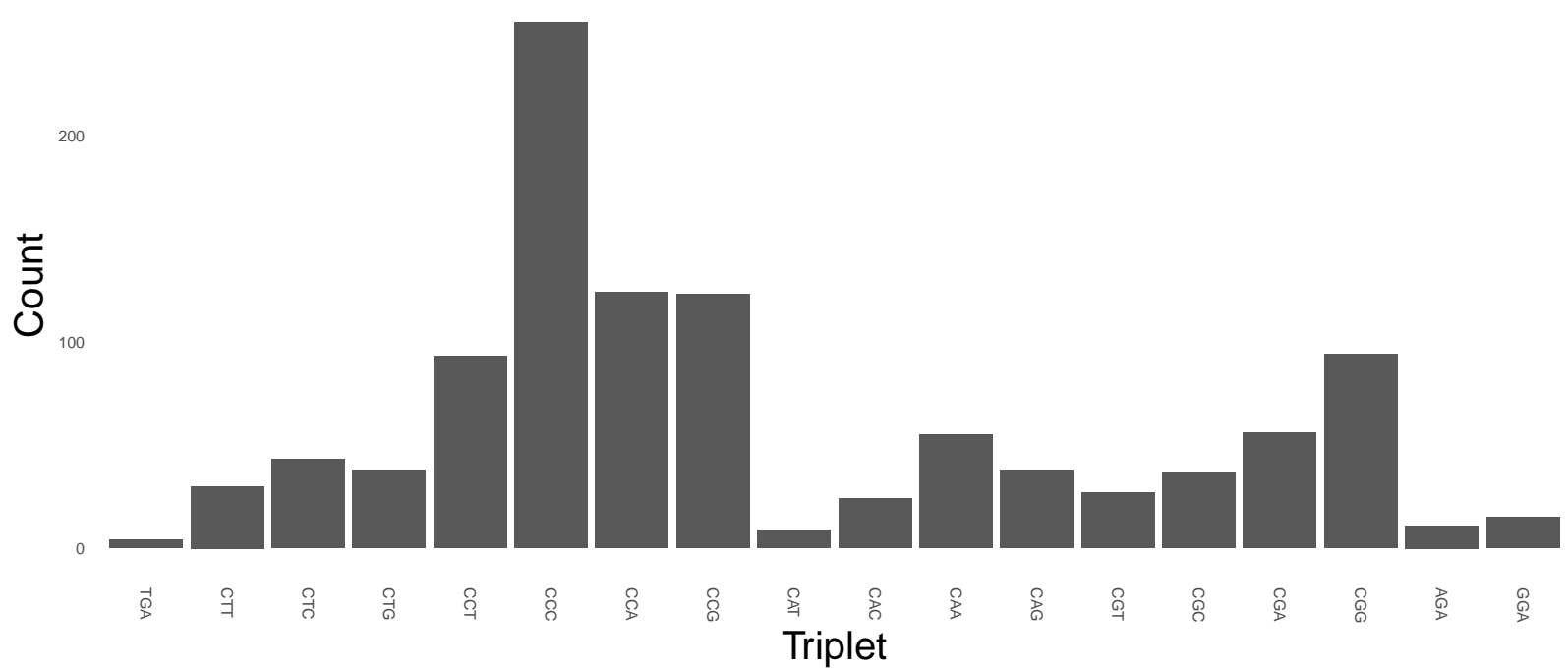
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-2*ap01_G297A- Final 3 nucleotides as a triplet

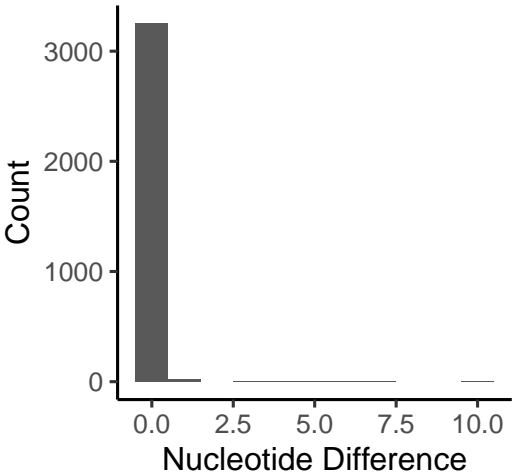


TRBV7-8*ap03_C297A- Final 3 nucleotides as a triplet



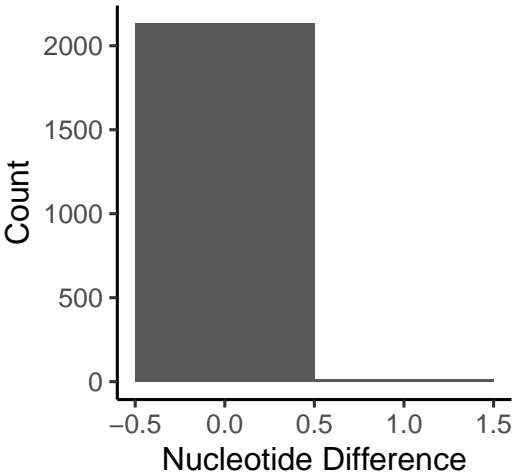
TRBV10-1*ap01

3283 sequences assigned
3252 (99.1%) exact matches, in which:
3184 unique CDR3
13 unique J



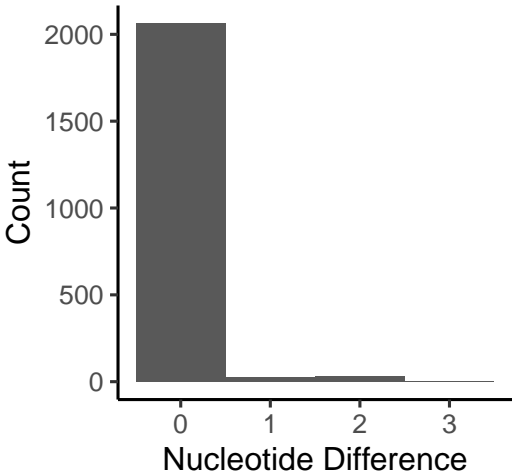
TRBV10-2*ap01

2145 sequences assigned
2133 (99.4%) exact matches, in which:
2098 unique CDR3
13 unique J



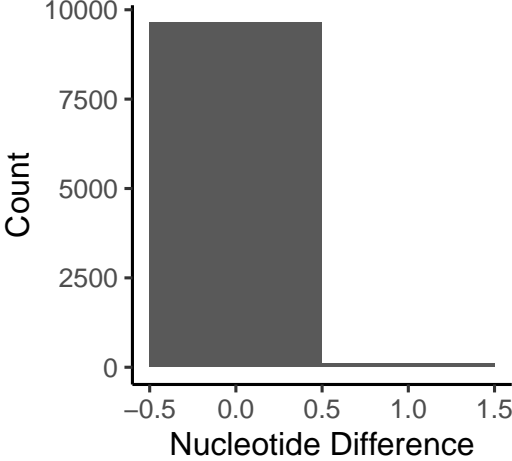
TRBV13*ap01

2119 sequences assigned
2063 (97.4%) exact matches, in which:
2004 unique CDR3
13 unique J



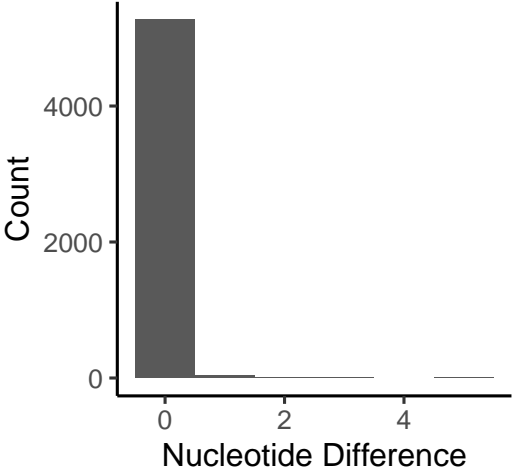
TRBV20-1*ap01

9749 sequences assigned
9644 (98.9%) exact matches, in which:
9493 unique CDR3
13 unique J



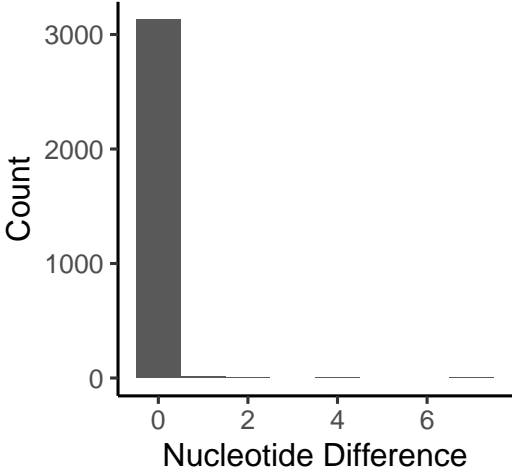
TRBV10-3*ap01

5315 sequences assigned
5269 (99.1%) exact matches, in which:
5175 unique CDR3
13 unique J



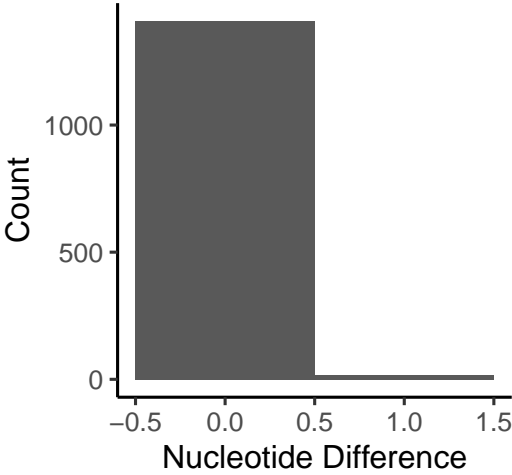
TRBV14*ap01

3150 sequences assigned
3129 (99.3%) exact matches, in which:
3071 unique CDR3
13 unique J



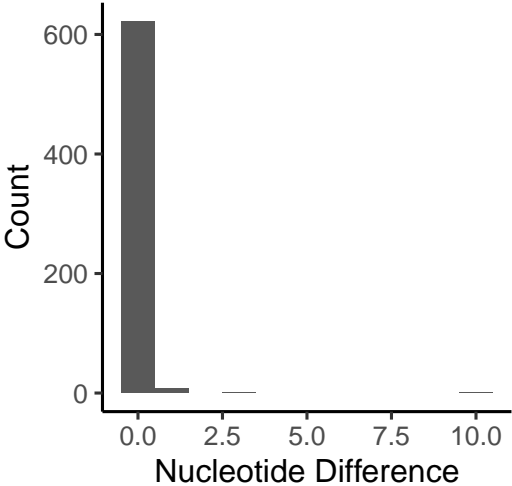
TRBV20-1*ap02

1427 sequences assigned
1409 (98.7%) exact matches, in which:
1389 unique CDR3
13 unique J



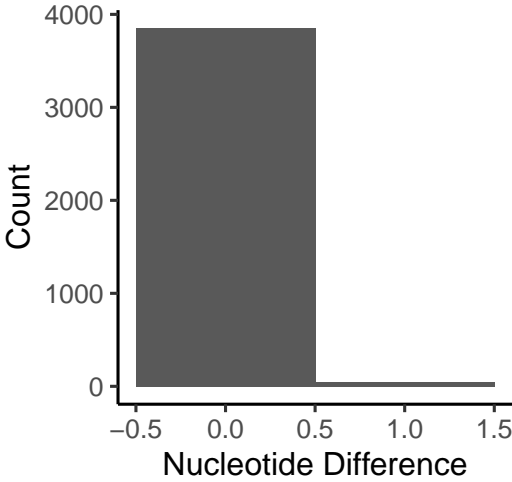
TRBV1*ap01

632 sequences assigned
622 (98.4%) exact matches, in which:
607 unique CDR3
13 unique J



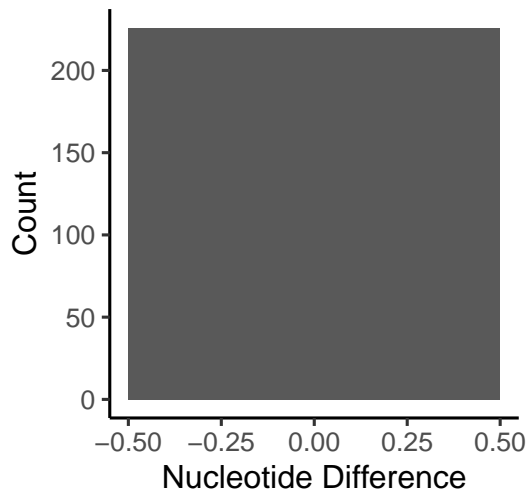
TRBV15*ap02

3898 sequences assigned
3853 (98.8%) exact matches, in which:
3767 unique CDR3
13 unique J



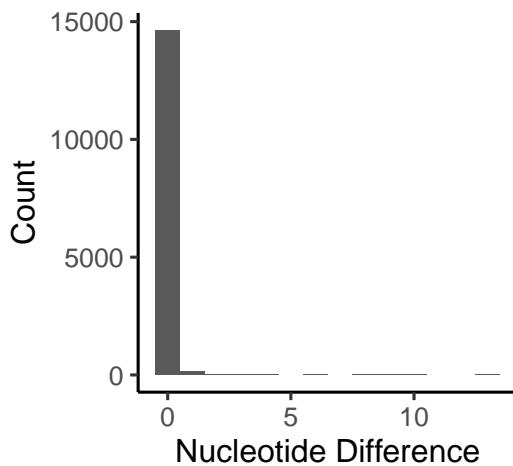
TRBV16*ap01

226 sequences assigned
226 (100%) exact matches, in which:
226 unique CDR3
13 unique J



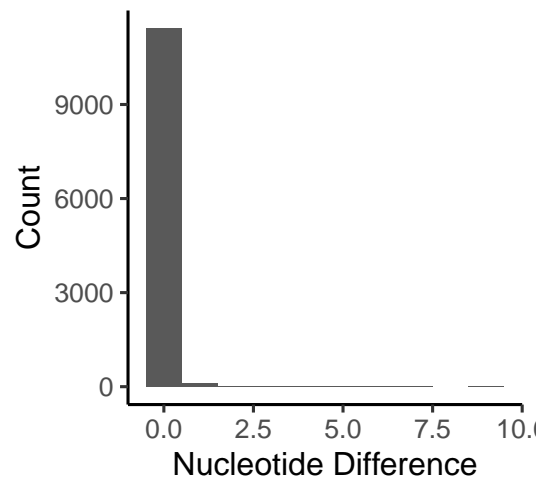
TRBV19*ap01

14782 sequences assigned
14638 (99%) exact matches, in which:
14472 unique CDR3
13 unique J



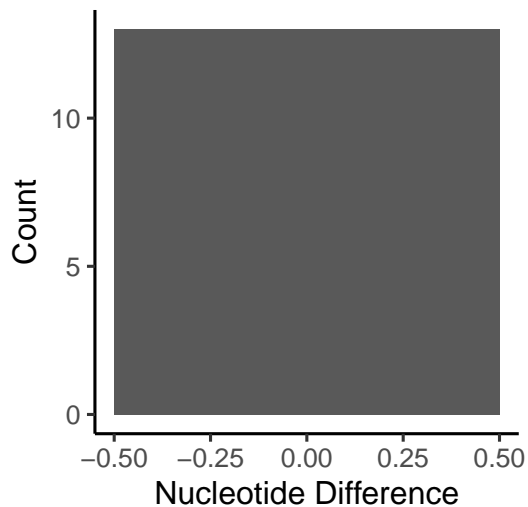
TRBV27*ap01

11554 sequences assigned
11427 (98.9%) exact matches, in which:
11172 unique CDR3
13 unique J



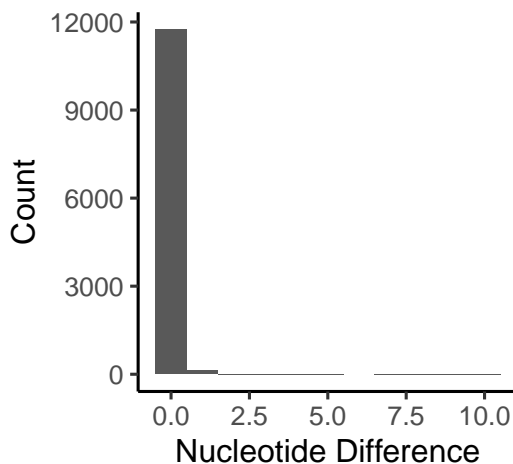
TRBV17*ap01

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



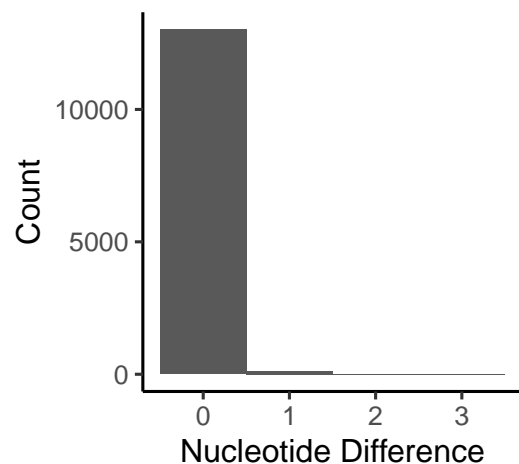
TRBV2*ap01

11885 sequences assigned
11745 (98.8%) exact matches, in which:
11530 unique CDR3
13 unique J



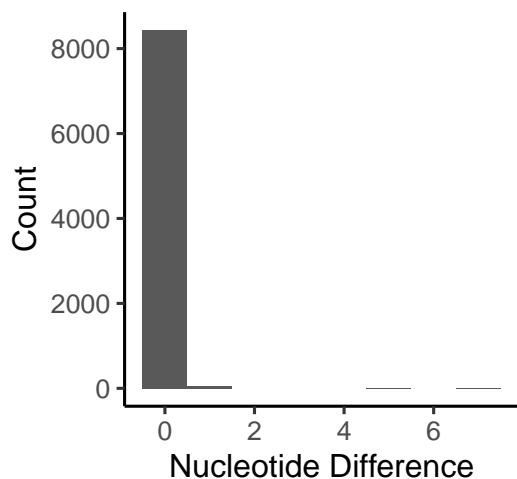
TRBV28*ap01

13139 sequences assigned
13019 (99.1%) exact matches, in which:
12831 unique CDR3
14 unique J



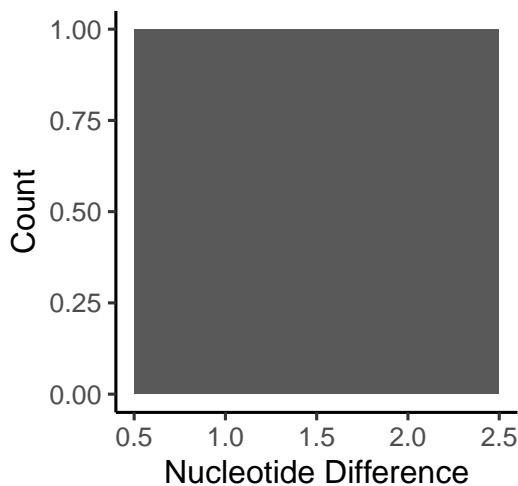
TRBV18*ap01

8497 sequences assigned
8437 (99.3%) exact matches, in which:
8347 unique CDR3
13 unique J



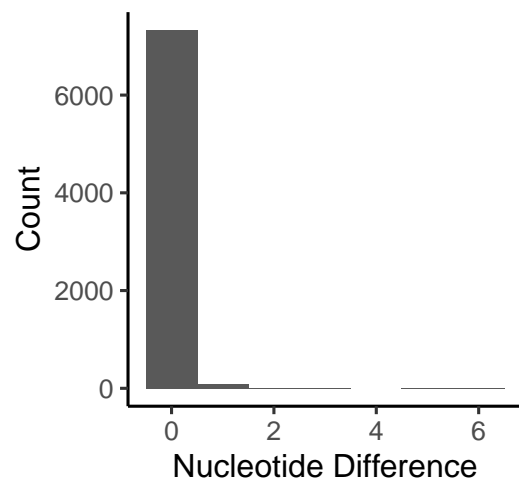
TRBV26*ap01

2 sequences assigned
No exact matches.



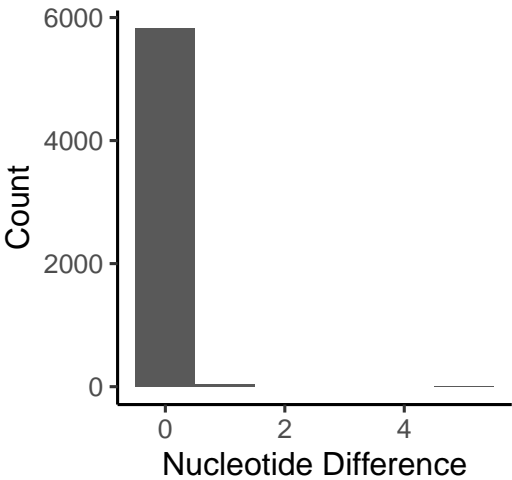
TRBV30*ap01

7421 sequences assigned
7331 (98.8%) exact matches, in which:
7182 unique CDR3
13 unique J



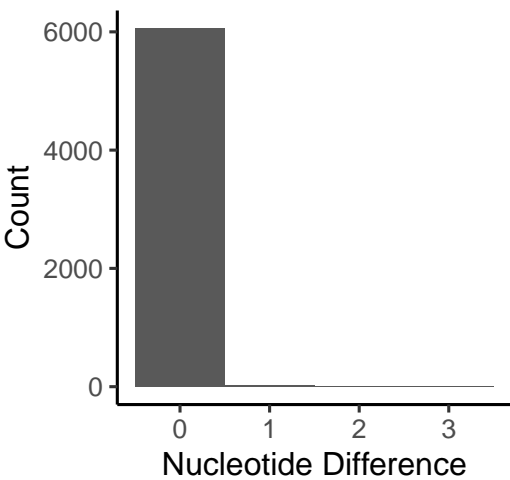
TRBV9*ap01

5872 sequences assigned
5823 (99.2%) exact matches, in which:
5747 unique CDR3
13 unique J



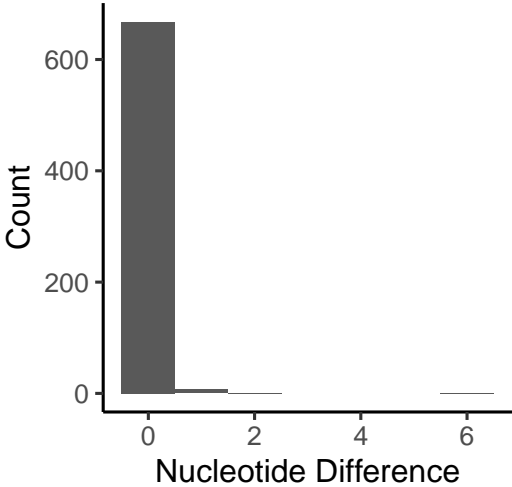
TRBV11-2*ap01

6085 sequences assigned
6058 (99.6%) exact matches, in which:
5990 unique CDR3
13 unique J



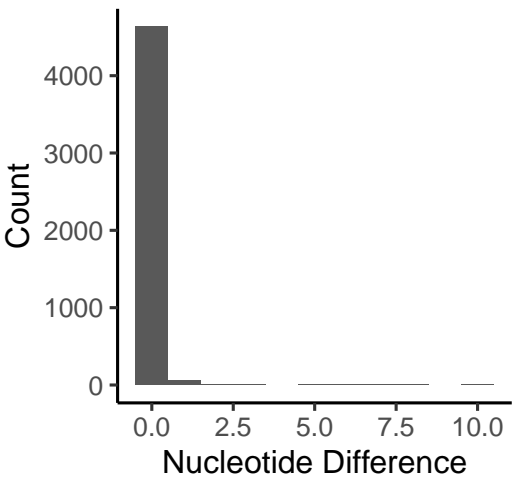
TRBV12-2*ap01

677 sequences assigned
668 (98.7%) exact matches, in which:
655 unique CDR3
13 unique J



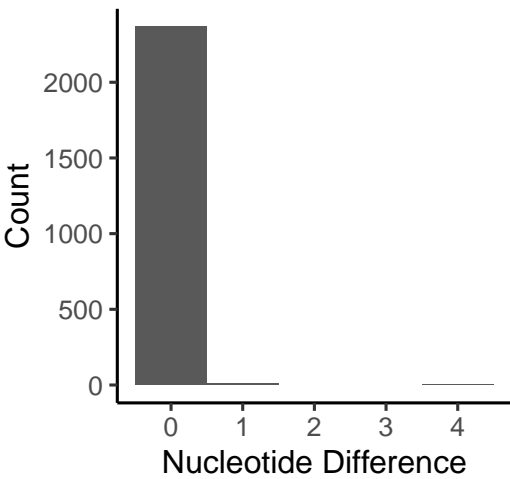
TRBV21-1*ap01

4707 sequences assigned
4633 (98.4%) exact matches, in which:
4592 unique CDR3
13 unique J



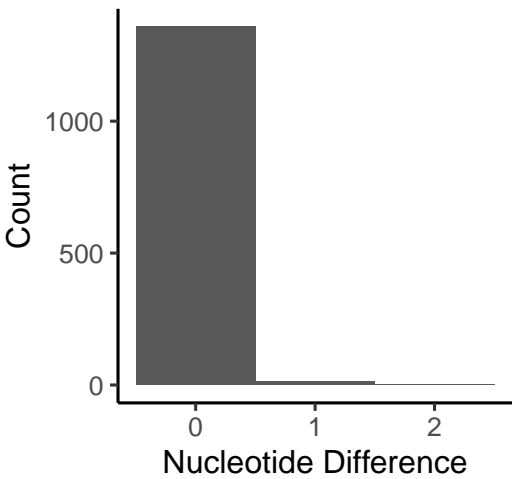
TRBV11-3*ap01

2376 sequences assigned
2367 (99.6%) exact matches, in which:
2342 unique CDR3
13 unique J



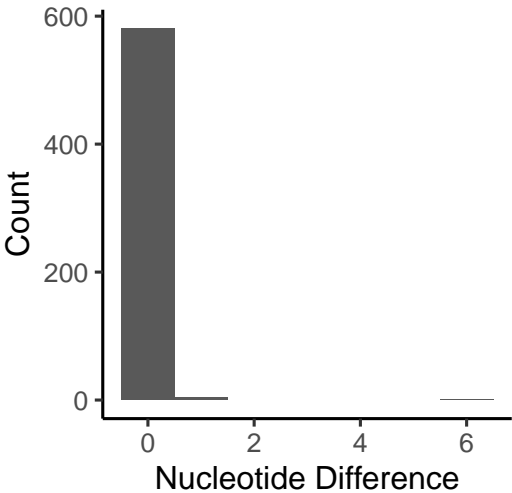
TRBV12-5*ap01

1374 sequences assigned
1358 (98.8%) exact matches, in which:
1346 unique CDR3
13 unique J



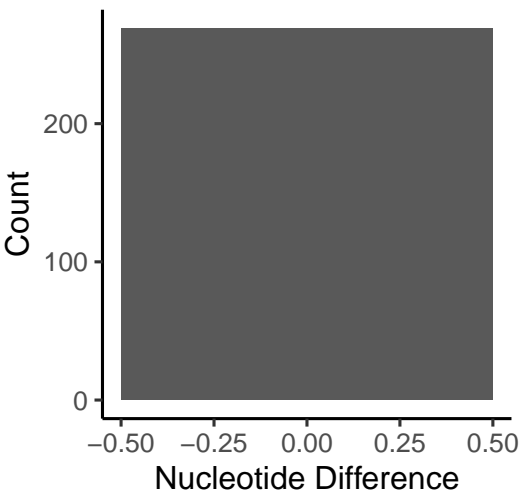
TRBV11-1*ap01

586 sequences assigned
581 (99.1%) exact matches, in which:
578 unique CDR3
13 unique J



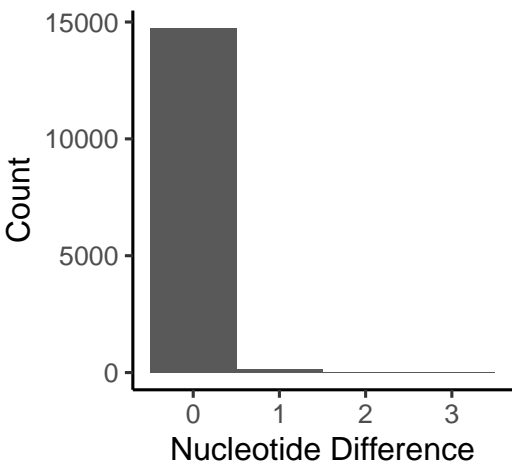
TRBV12-1*ap01

269 sequences assigned
269 (100%) exact matches, in which:
262 unique CDR3
13 unique J



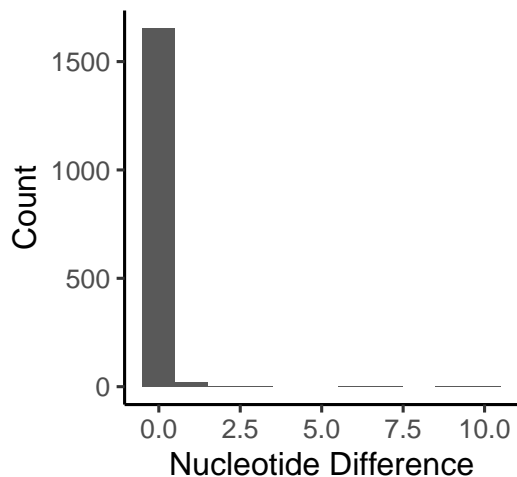
TRBV12-34*ap01

14901 sequences assigned
14753 (99%) exact matches, in which:
14482 unique CDR3
13 unique J



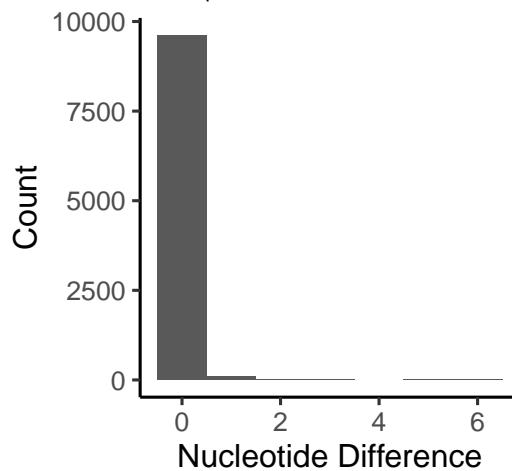
TRBV23-1*ap01

1684 sequences assigned
1653 (98.2%) exact matches, in which:
1624 unique CDR3
13 unique J



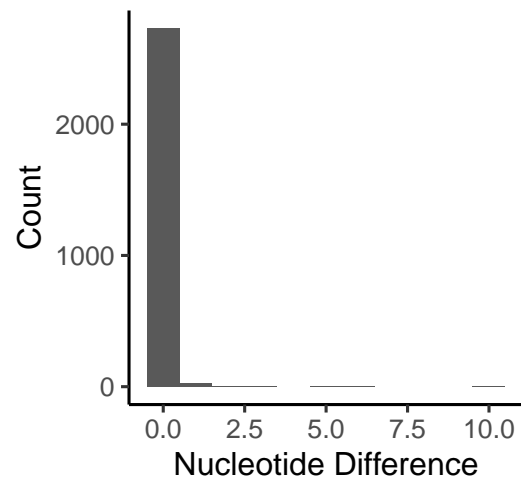
TRBV24-1*ap01

9739 sequences assigned
9619 (98.8%) exact matches, in which:
9455 unique CDR3
13 unique J



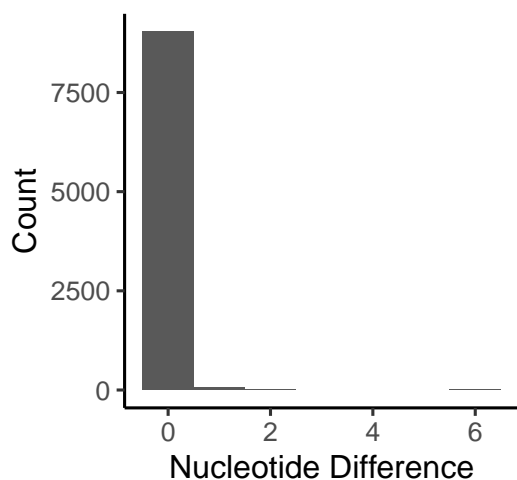
TRBV25-1*ap01

2764 sequences assigned
2730 (98.8%) exact matches, in which:
2678 unique CDR3
13 unique J



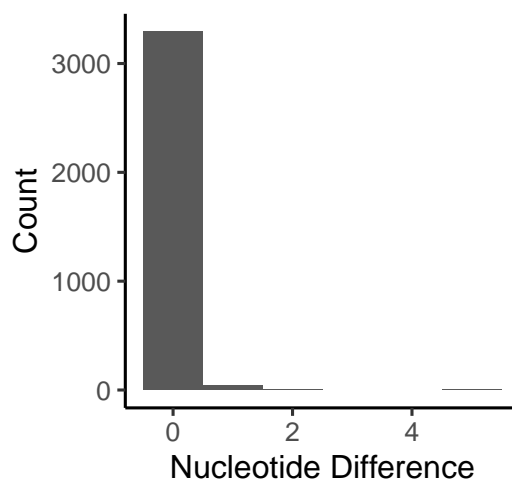
TRBV3-12*ap01

9094 sequences assigned
9032 (99.3%) exact matches, in which:
8903 unique CDR3
13 unique J



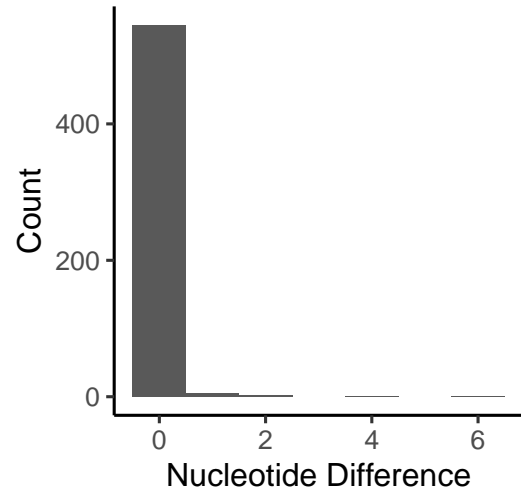
TRBV4-2*ap01

3334 sequences assigned
3292 (98.7%) exact matches, in which:
3225 unique CDR3
13 unique J



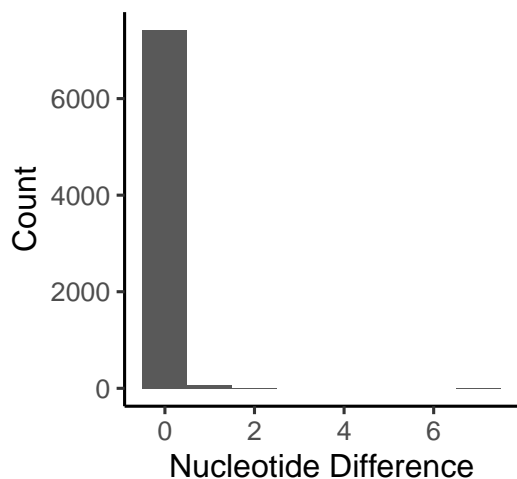
TRBV5-3*ap01

554 sequences assigned
545 (98.4%) exact matches, in which:
532 unique CDR3
13 unique J



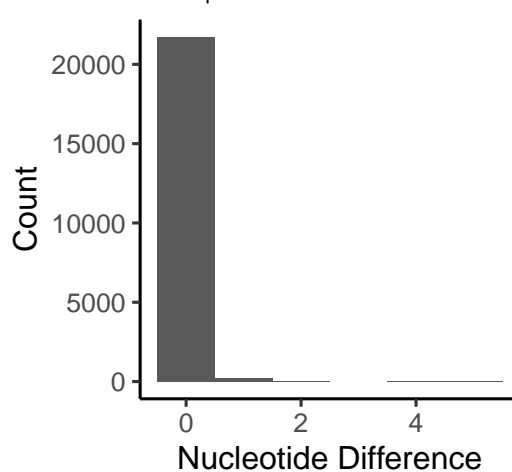
TRBV4-1*ap01

7492 sequences assigned
7420 (99%) exact matches, in which:
7251 unique CDR3
14 unique J



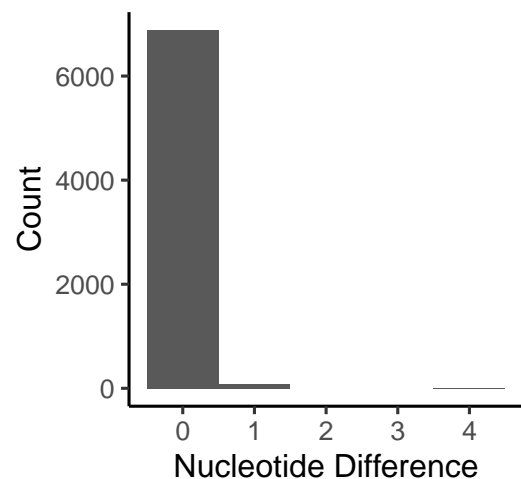
TRBV5-1*ap01

21957 sequences assigned
21738 (99%) exact matches, in which:
21248 unique CDR3
13 unique J



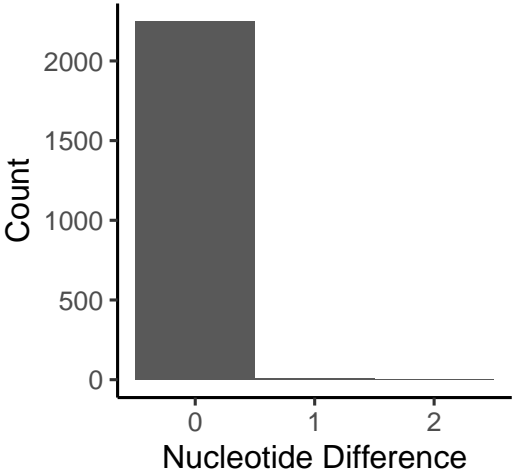
TRBV5-4*ap01

6972 sequences assigned
6884 (98.7%) exact matches, in which:
6740 unique CDR3
13 unique J



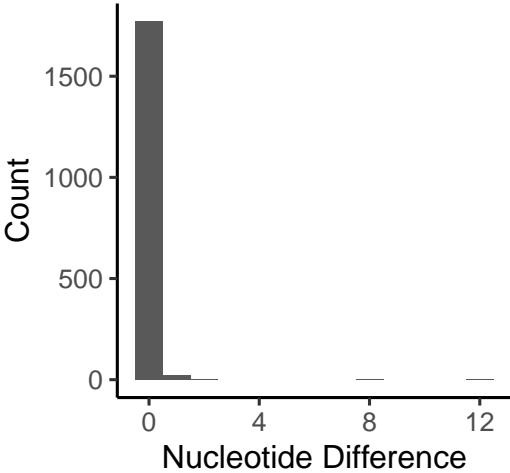
TRBV5-5*ap01

2256 sequences assigned
2248 (99.6%) exact matches, in which:
2235 unique CDR3
13 unique J



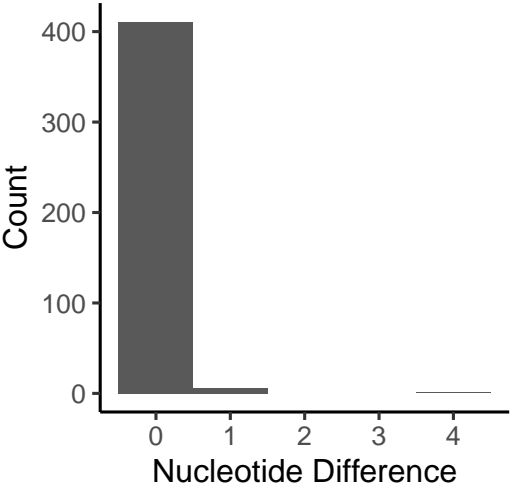
TRBV5-8*ap01

1797 sequences assigned
1771 (98.6%) exact matches, in which:
1736 unique CDR3
13 unique J



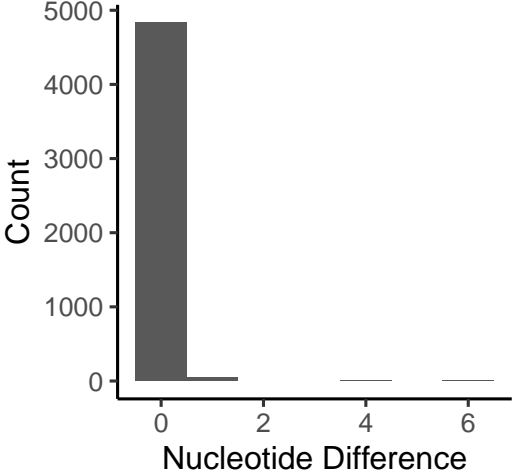
TRBV6-7*ap01

418 sequences assigned
411 (98.3%) exact matches, in which:
404 unique CDR3
13 unique J



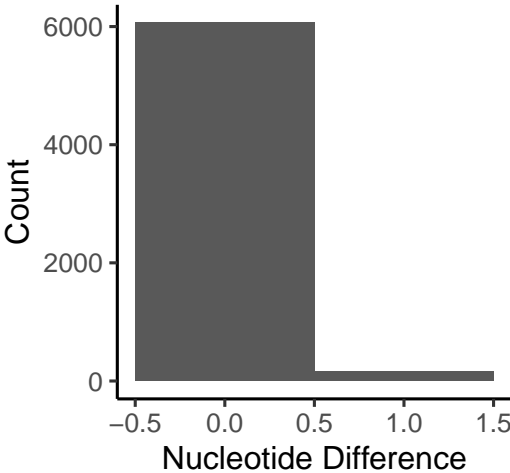
TRBV5-6*ap01

4878 sequences assigned
4832 (99.1%) exact matches, in which:
4701 unique CDR3
13 unique J



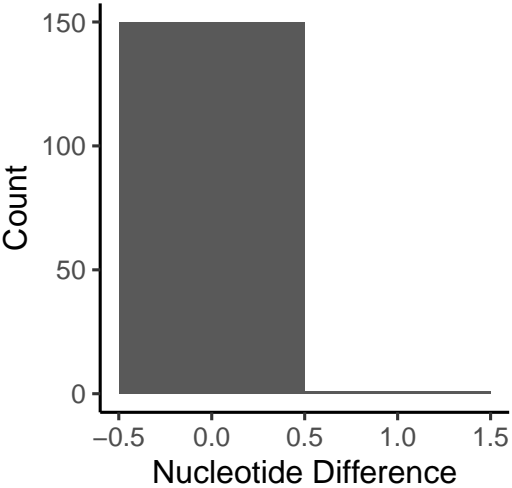
TRBV6-1*ap01

6231 sequences assigned
6065 (97.3%) exact matches, in which:
5947 unique CDR3
13 unique J



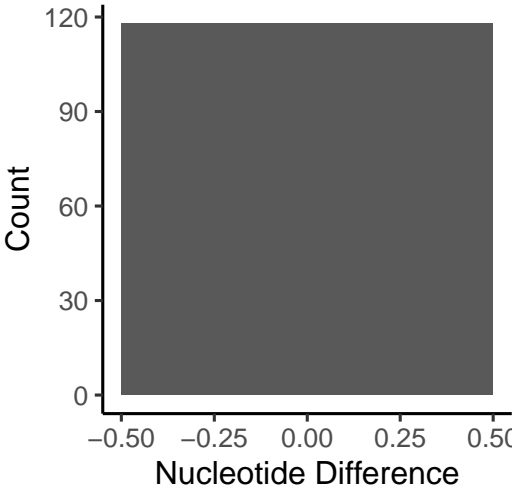
TRBV6-8*ap01

151 sequences assigned
150 (99.3%) exact matches, in which:
150 unique CDR3
13 unique J



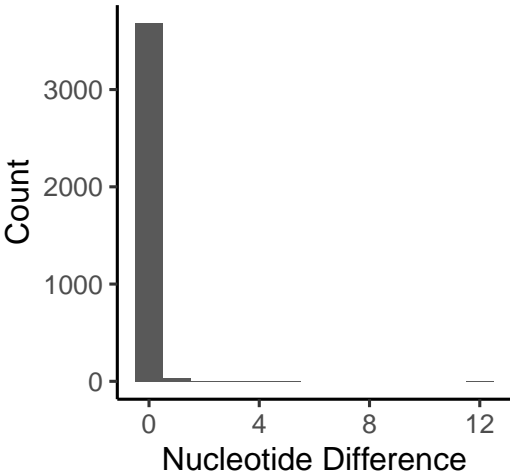
TRBV5-7*ap01

118 sequences assigned
118 (100%) exact matches, in which:
117 unique CDR3
13 unique J



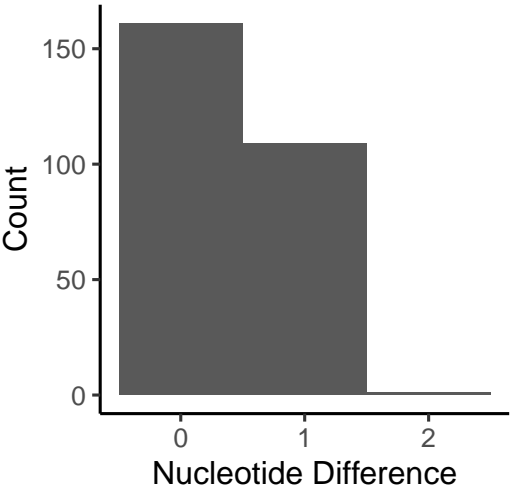
TRBV6-4*ap01

3729 sequences assigned
3684 (98.8%) exact matches, in which:
3645 unique CDR3
13 unique J



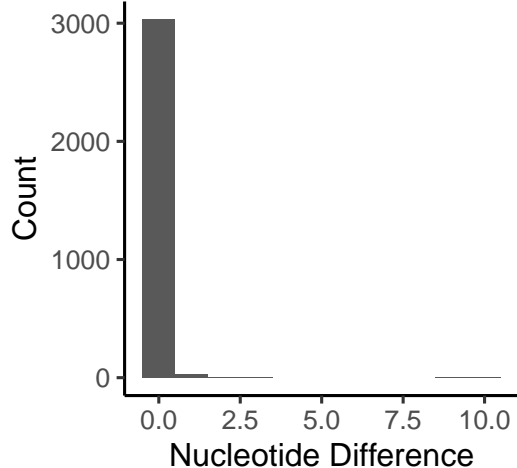
TRBV6-9*ap01

271 sequences assigned
161 (59.4%) exact matches, in which:
156 unique CDR3
12 unique J



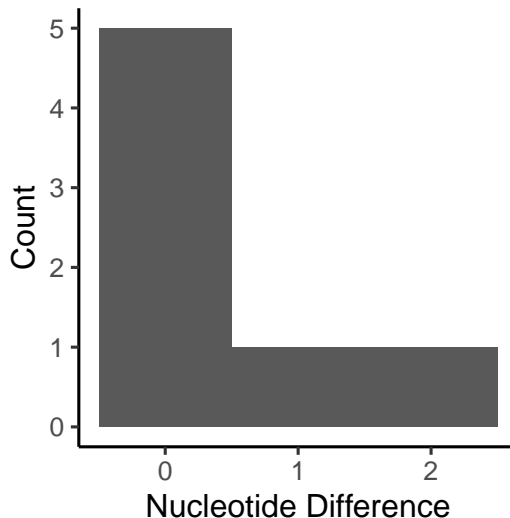
TRBV6-23*ap01

3064 sequences assigned
3032 (99%) exact matches, in which:
2958 unique CDR3
13 unique J



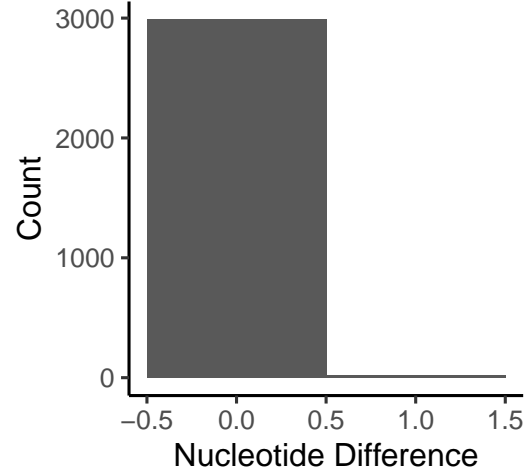
TRBV7-1*ap01

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
4 unique J



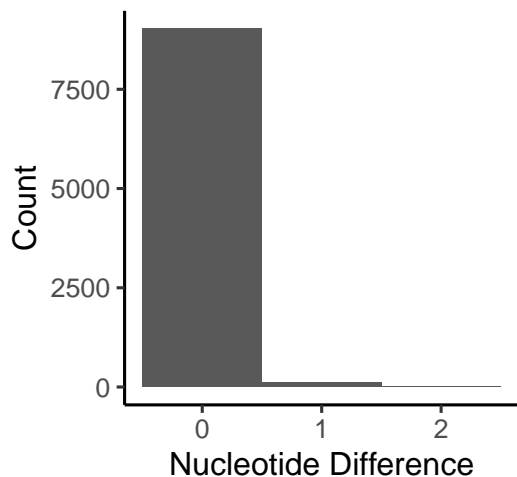
TRBV7-2*ap01_G297A

3014 sequences assigned
2989 (99.2%) exact matches, in which:
2950 unique CDR3
13 unique J



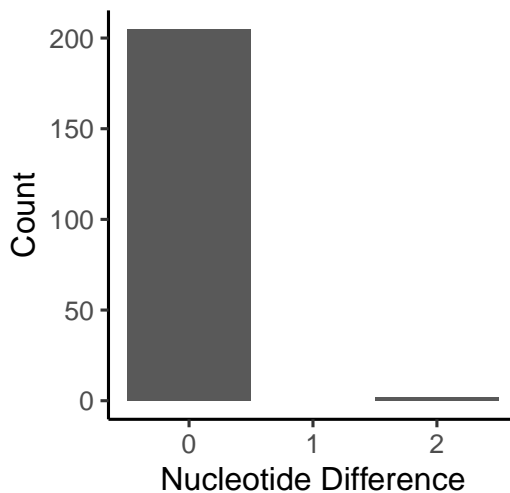
TRBV6-56*ap01

9142 sequences assigned
9026 (98.7%) exact matches, in which:
8771 unique CDR3
13 unique J



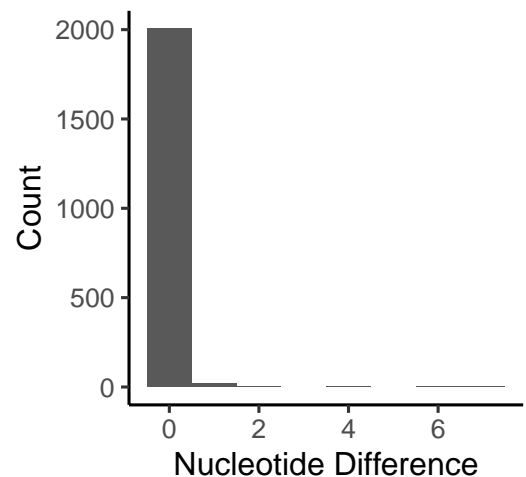
TRBV7-1*ap01_G291C_

207 sequences assigned
205 (99%) exact matches, in which:
200 unique CDR3
13 unique J



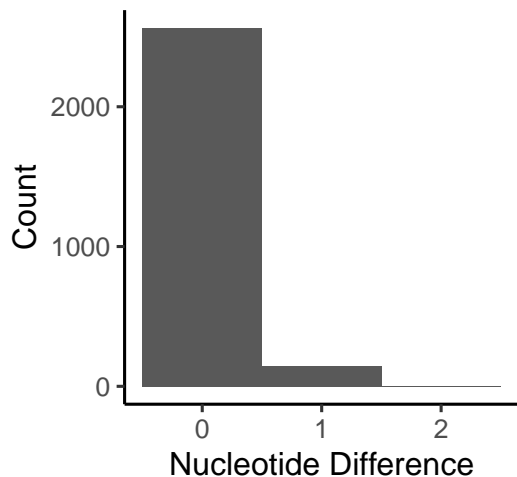
TRBV7-3*ap03

2027 sequences assigned
2005 (98.9%) exact matches, in which:
1978 unique CDR3
13 unique J



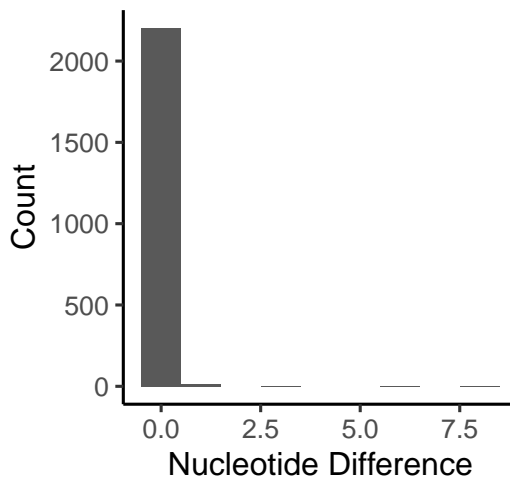
TRBV6-56*ap02

2711 sequences assigned
2563 (94.5%) exact matches, in which:
2504 unique CDR3
13 unique J



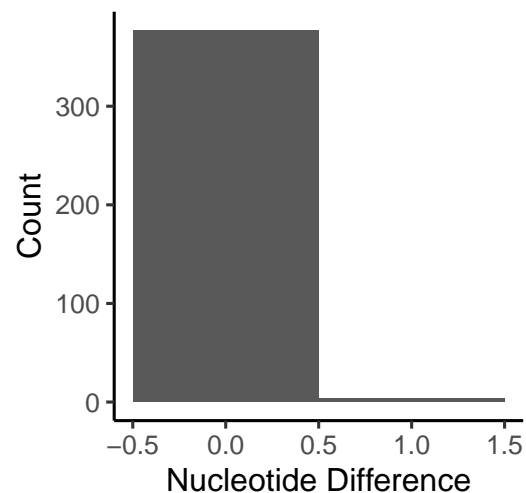
TRBV7-2*ap01

2221 sequences assigned
2203 (99.2%) exact matches, in which:
2157 unique CDR3
13 unique J



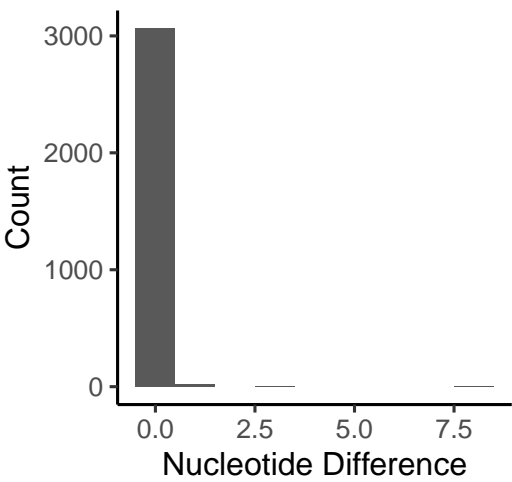
TRBV7-4*ap01

381 sequences assigned
377 (99%) exact matches, in which:
373 unique CDR3
13 unique J



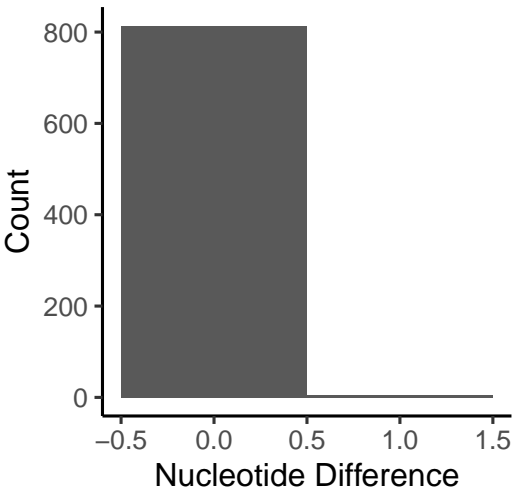
TRBV7-6*ap01

3085 sequences assigned
3064 (99.3%) exact matches, in which:
2996 unique CDR3
13 unique J



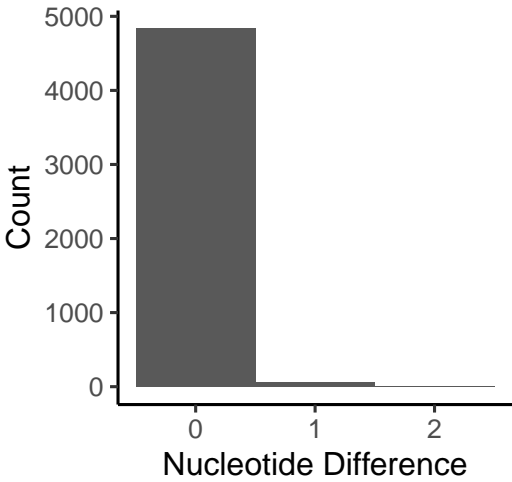
TRBV7-8*ap03

819 sequences assigned
814 (99.4%) exact matches, in which:
802 unique CDR3
13 unique J



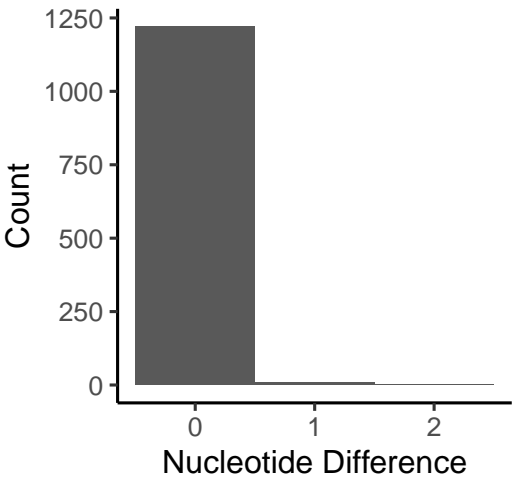
TRBV29-1*ap01

4901 sequences assigned
4837 (98.7%) exact matches, in which:
4711 unique CDR3
13 unique J



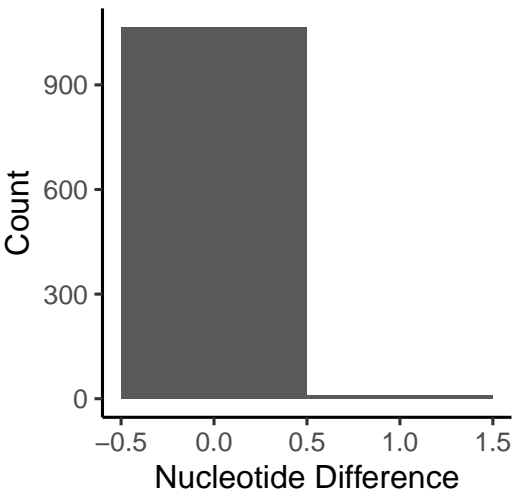
TRBV7-7*ap01

1230 sequences assigned
1220 (99.2%) exact matches, in which:
1201 unique CDR3
13 unique J



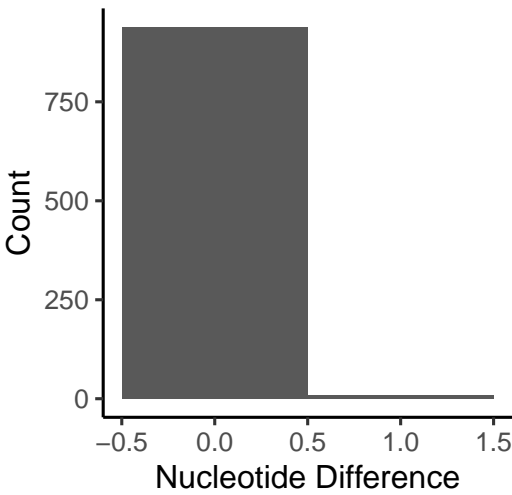
TRBV7-8*ap03_C297A

1076 sequences assigned
1066 (99.1%) exact matches, in which:
1056 unique CDR3
13 unique J



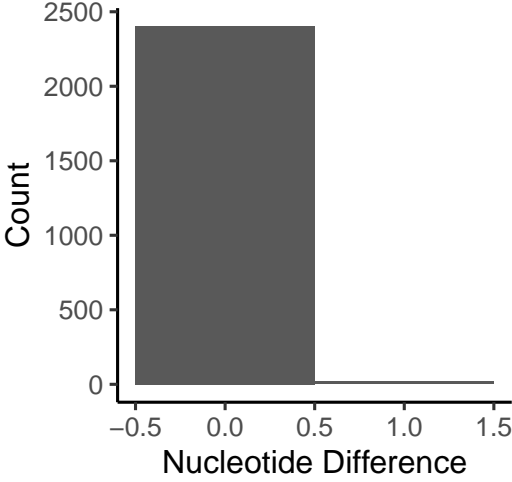
TRBV29-1*ap02

949 sequences assigned
939 (98.9%) exact matches, in which:
918 unique CDR3
13 unique J



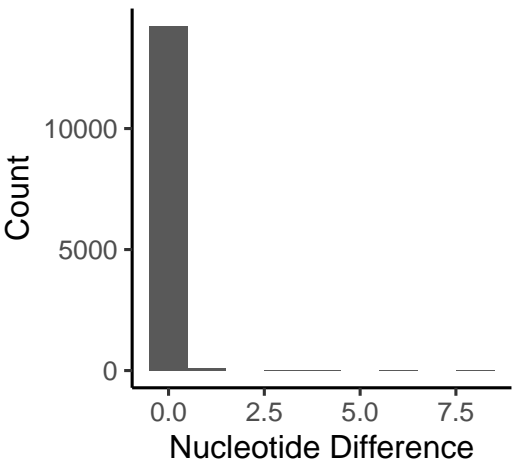
TRBV7-8*ap01

2424 sequences assigned
2404 (99.2%) exact matches, in which:
2362 unique CDR3
13 unique J

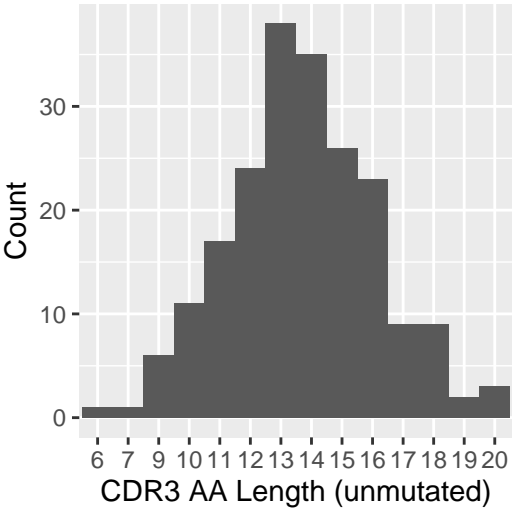


TRBV7-9*ap01

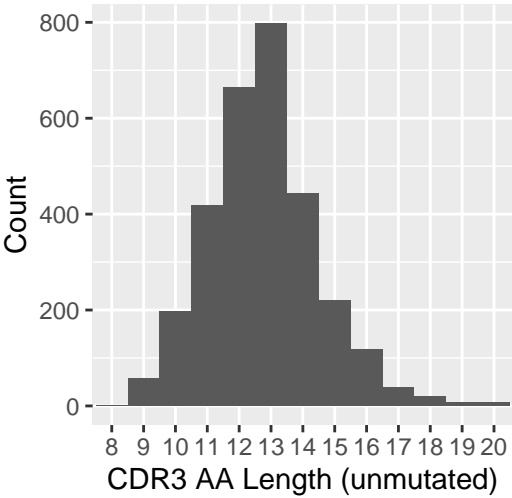
14337 sequences assigned
14246 (99.4%) exact matches, in which:
14045 unique CDR3
13 unique J



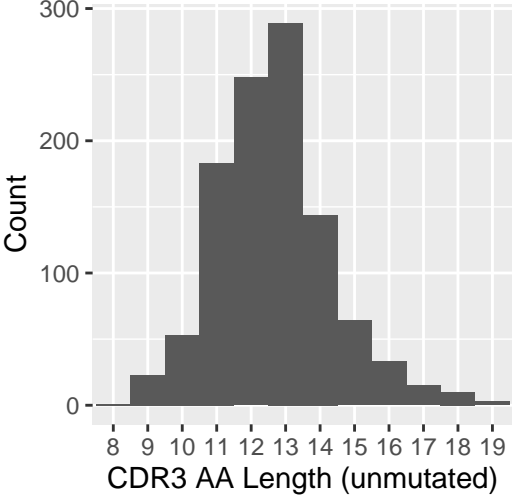
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-2*ap01_G297A



TRBV7-8*ap03_C297A





[illegible]