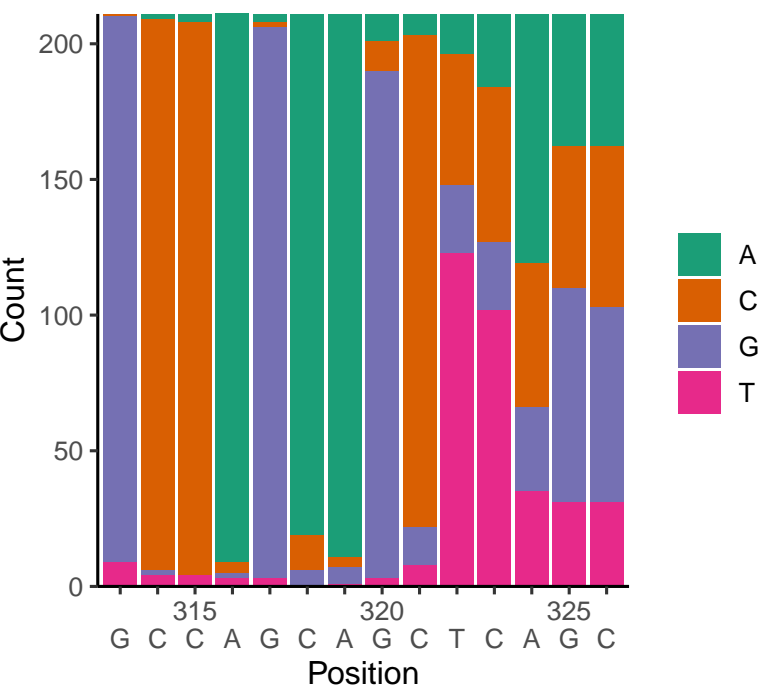
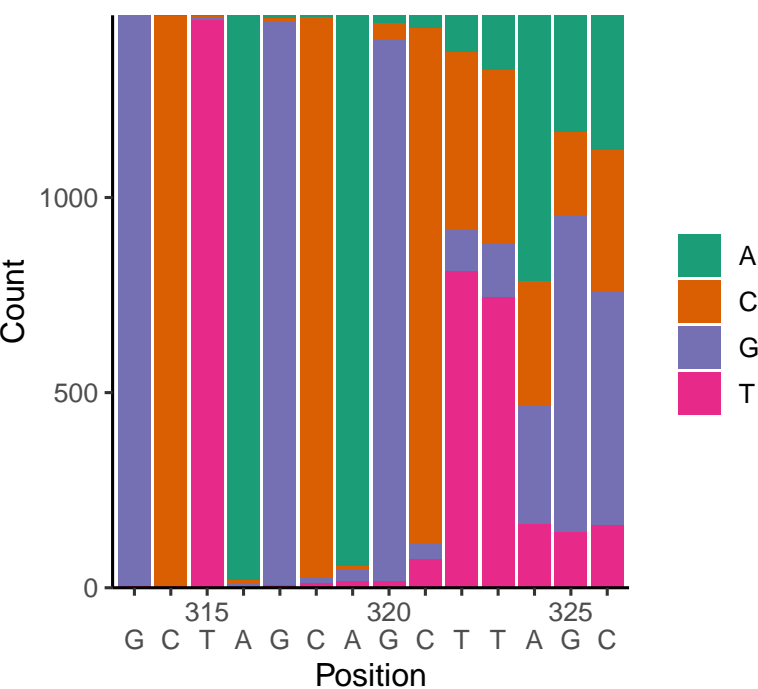


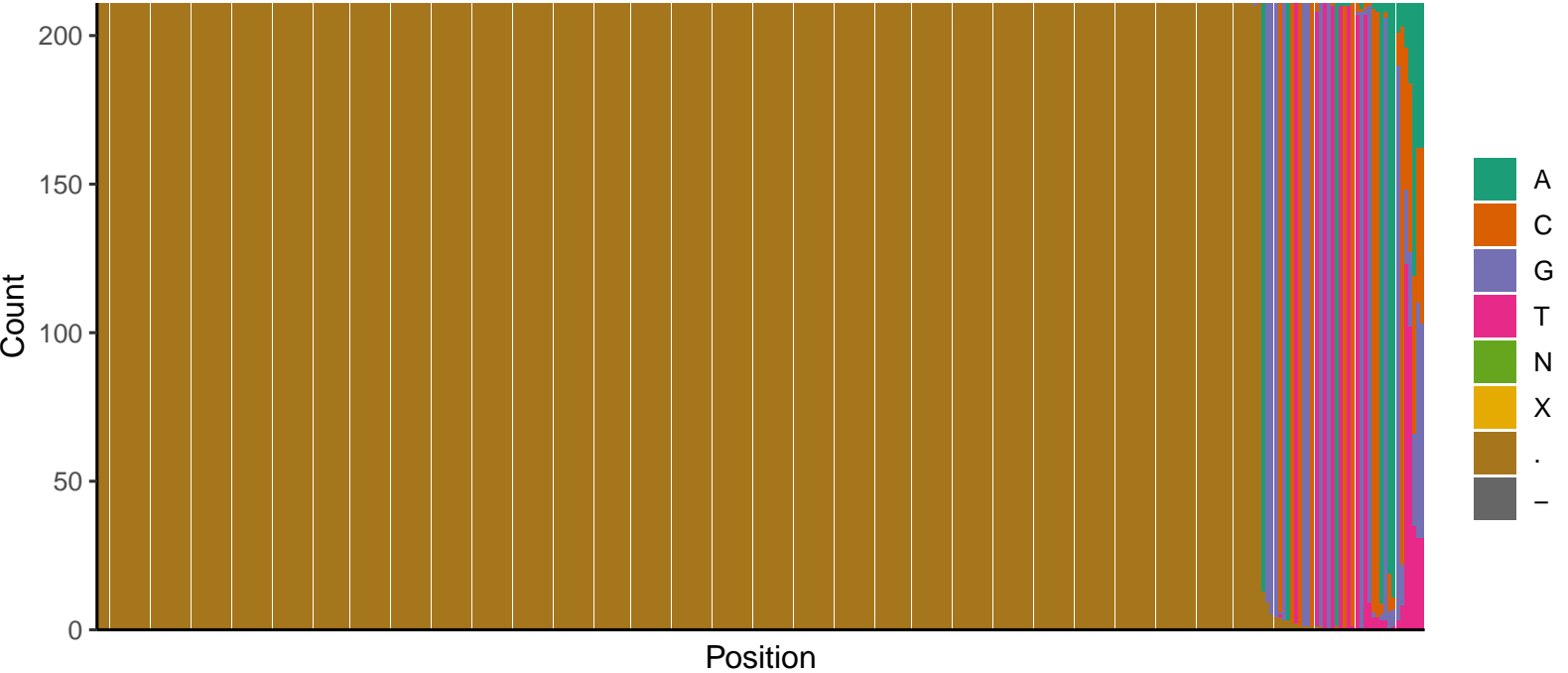
Gene TRBV7-1*ap01_G291C_T296C



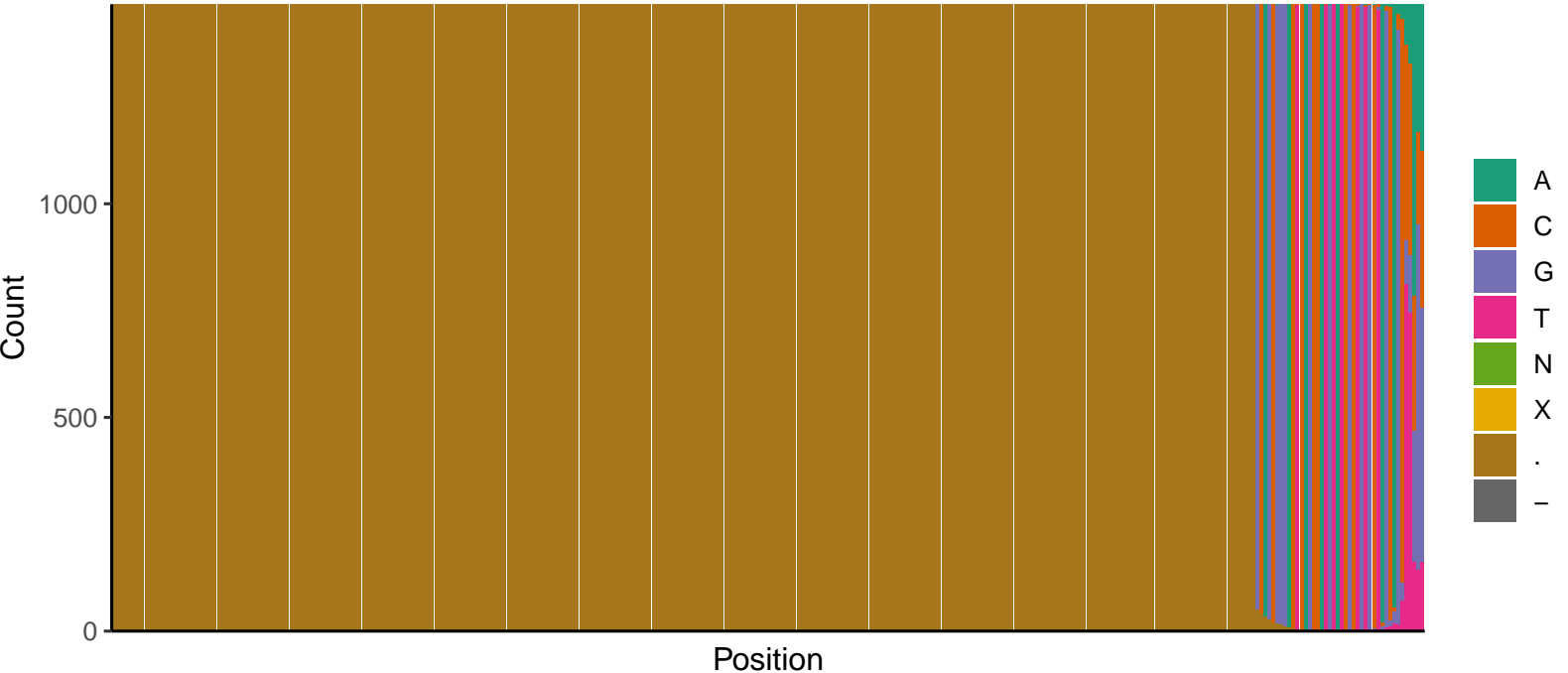
Gene TRBV7-7*ap01_C315T



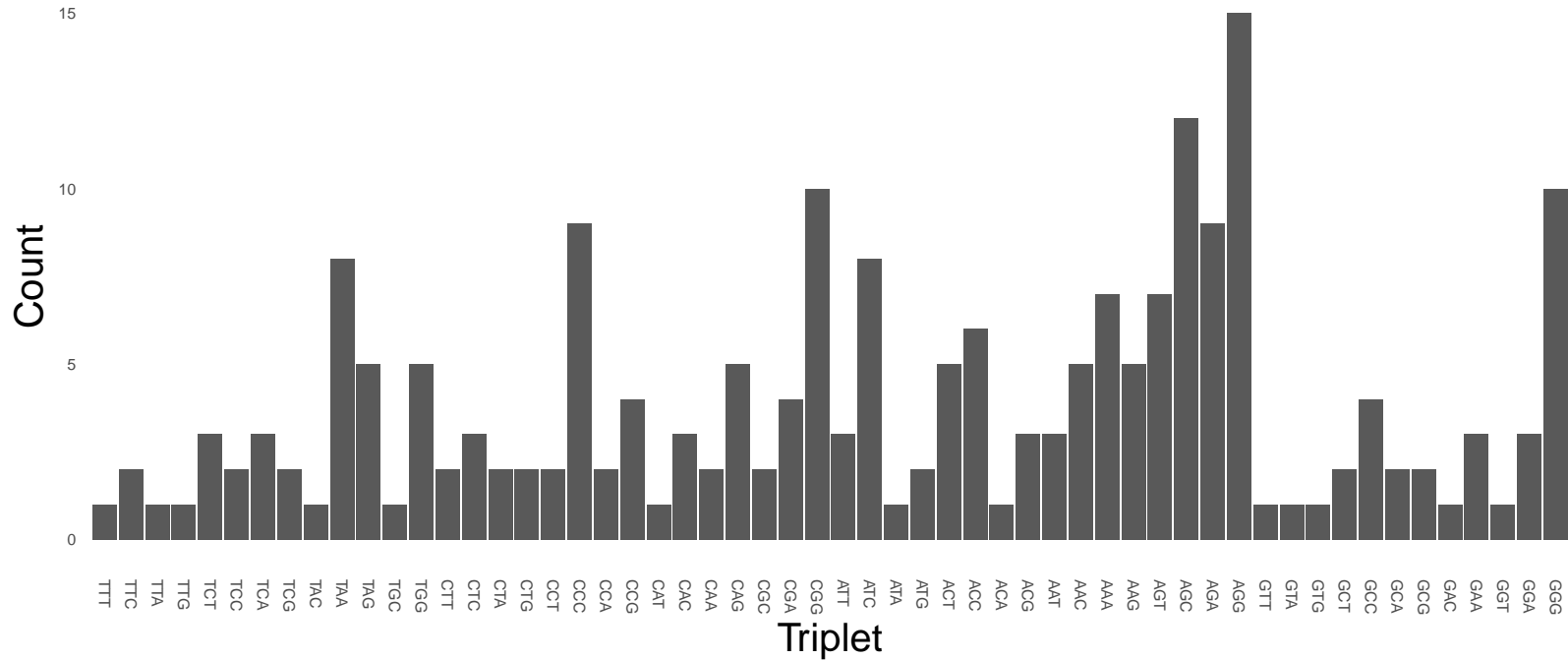
Gene TRBV7-1*ap01_G291C_T296C



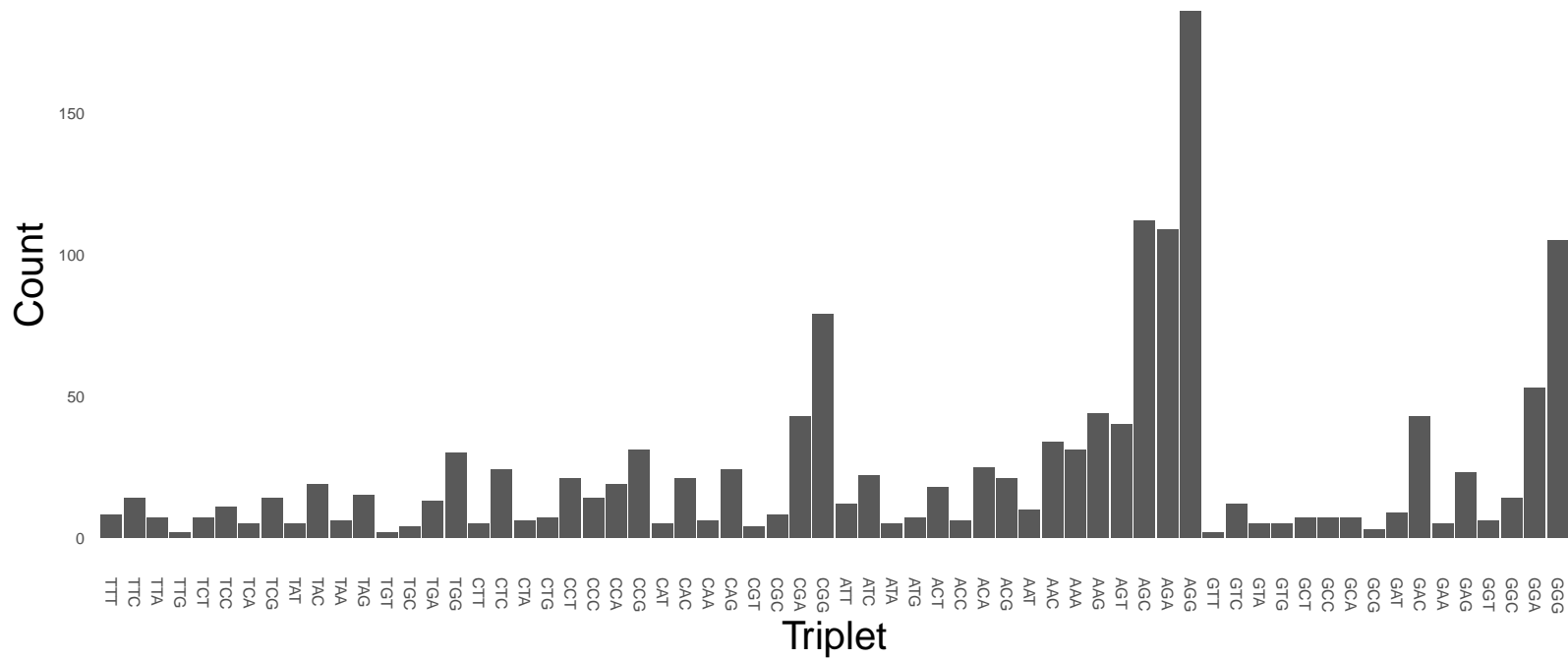
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

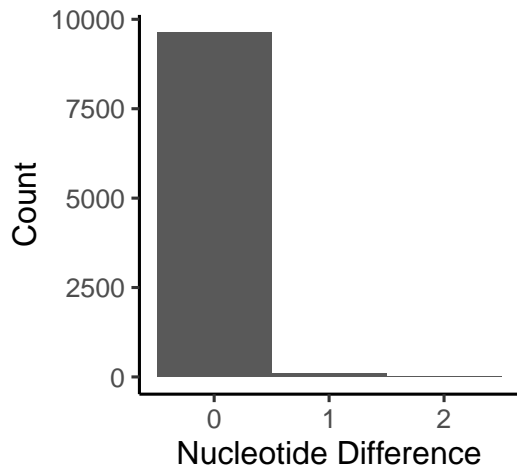


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



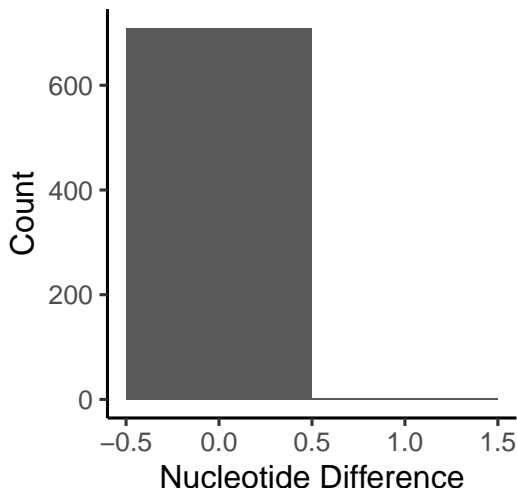
TRBV20-1*ap01

9738 sequences assigned
9641 (99%) exact matches, in which:
9470 unique CDR3
13 unique J



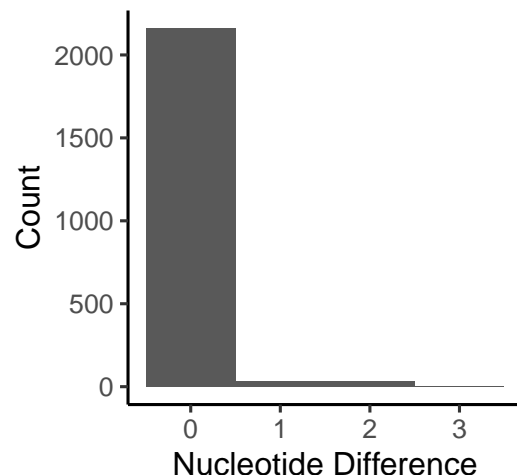
TRBV10-2*ap01

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



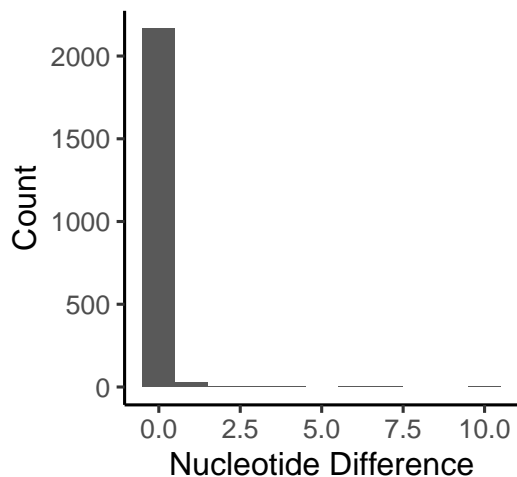
TRBV13*ap01

2224 sequences assigned
2160 (97.1%) exact matches, in which:
2109 unique CDR3
13 unique J



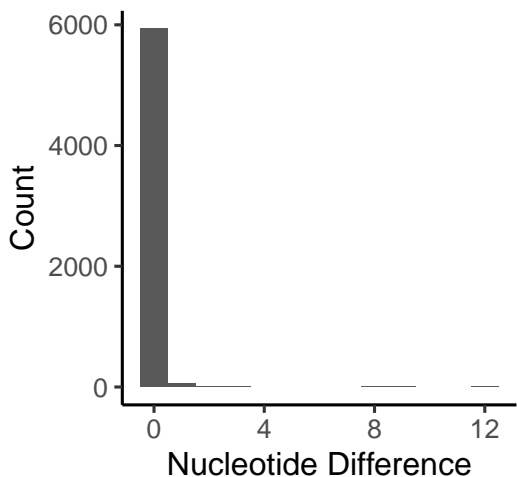
TRBV10-1*ap01

2201 sequences assigned
2165 (98.4%) exact matches, in which:
2120 unique CDR3
13 unique J



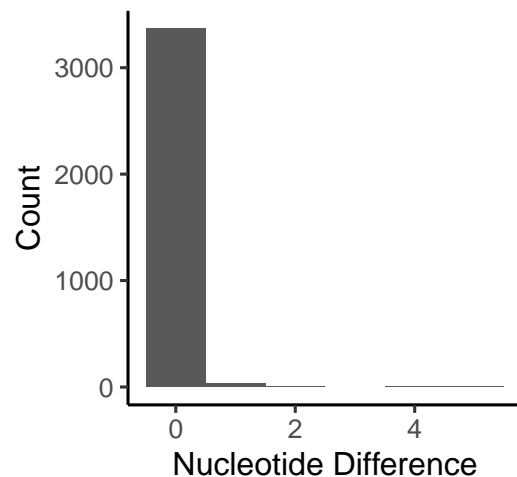
TRBV10-3*ap01

6007 sequences assigned
5935 (98.8%) exact matches, in which:
5835 unique CDR3
13 unique J



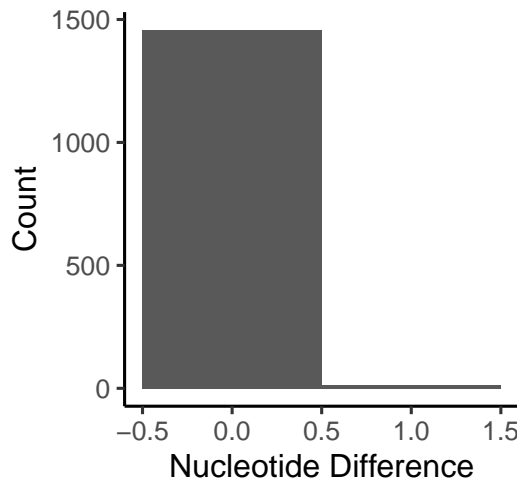
TRBV14*ap01

3407 sequences assigned
3366 (98.8%) exact matches, in which:
3311 unique CDR3
13 unique J



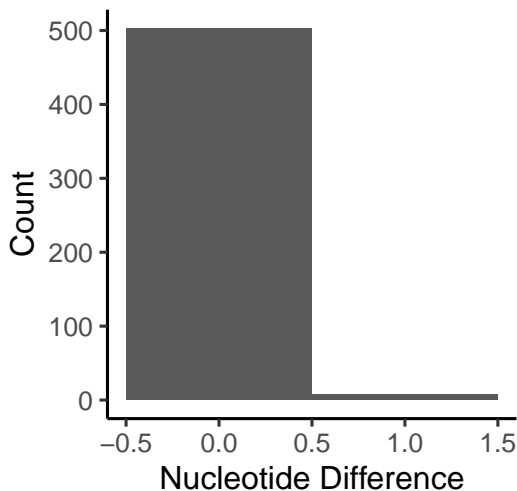
TRBV20-1*ap02

1470 sequences assigned
1457 (99.1%) exact matches, in which:
1444 unique CDR3
13 unique J



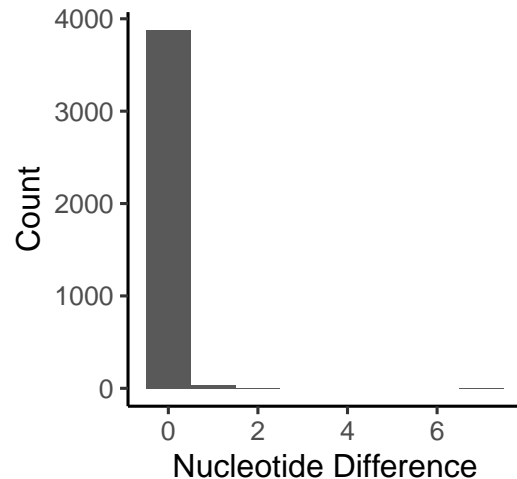
TRBV1*ap01

511 sequences assigned
503 (98.4%) exact matches, in which:
498 unique CDR3
13 unique J



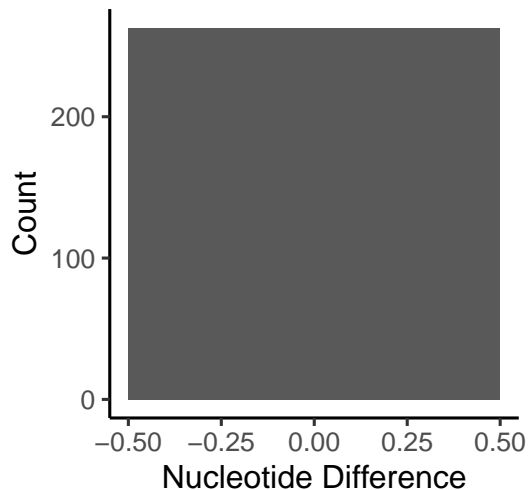
TRBV15*ap02

3915 sequences assigned
3878 (99.1%) exact matches, in which:
3794 unique CDR3
13 unique J



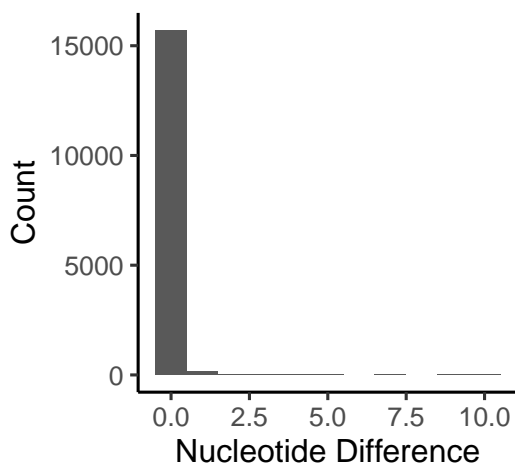
TRBV16*ap01

263 sequences assigned
263 (100%) exact matches, in which:
257 unique CDR3
13 unique J



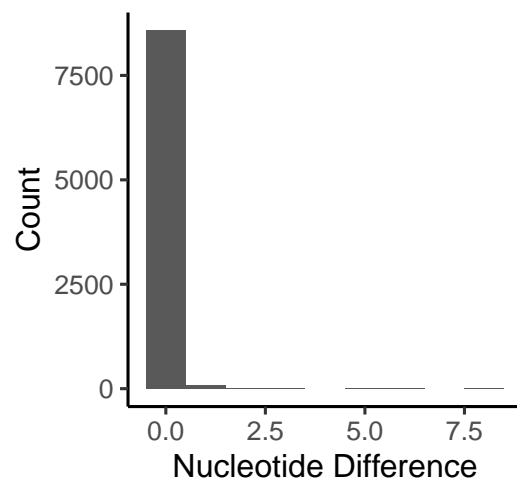
TRBV19*ap01

15871 sequences assigned
15710 (99%) exact matches, in which:
15524 unique CDR3
13 unique J



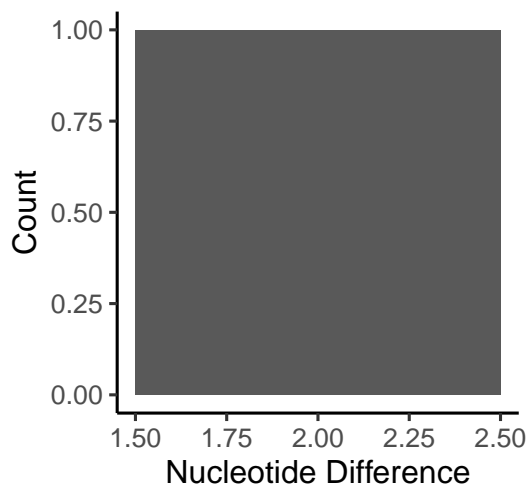
TRBV27*ap01

8684 sequences assigned
8578 (98.8%) exact matches, in which:
8379 unique CDR3
13 unique J



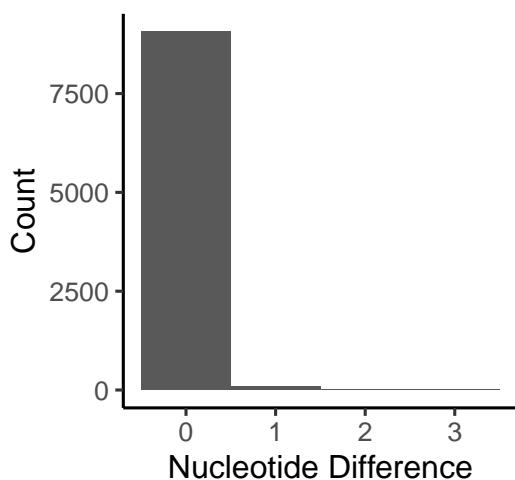
TRBV17*ap01

1 sequences assigned
No exact matches.



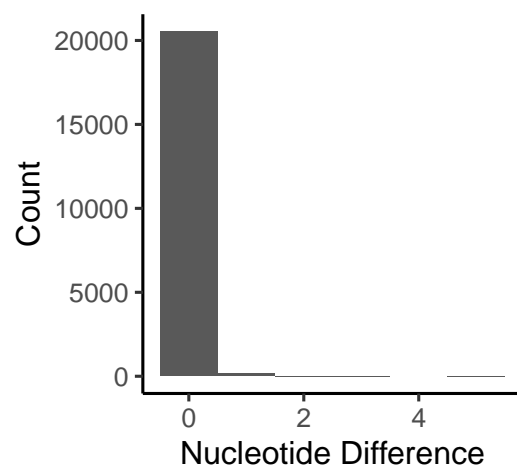
TRBV2*ap01

9155 sequences assigned
9065 (99%) exact matches, in which:
8922 unique CDR3
13 unique J



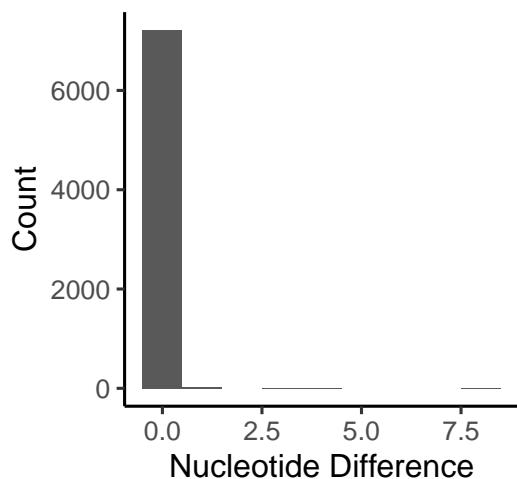
TRBV28*ap01

20720 sequences assigned
20536 (99.1%) exact matches, in which:
20217 unique CDR3
13 unique J



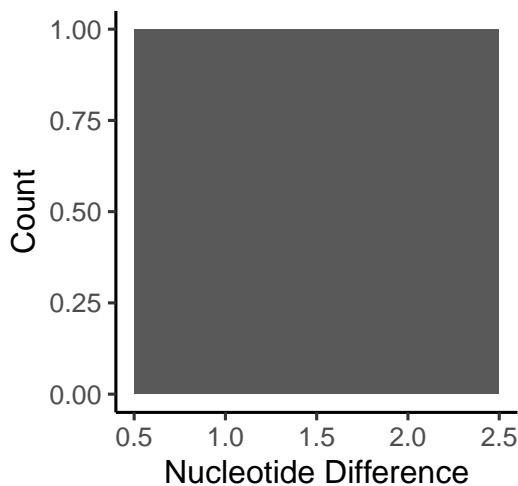
TRBV18*ap01

7248 sequences assigned
7216 (99.6%) exact matches, in which:
7120 unique CDR3
13 unique J



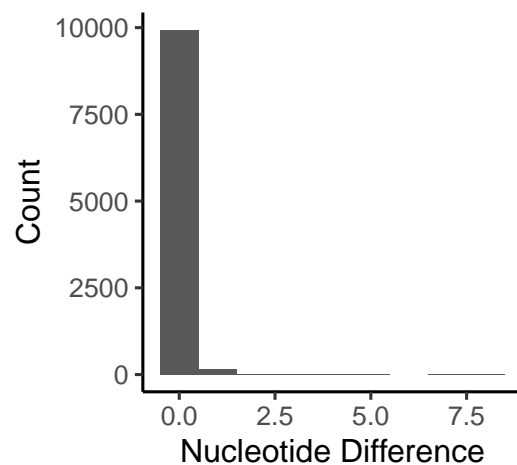
TRBV26*ap01

2 sequences assigned
No exact matches.



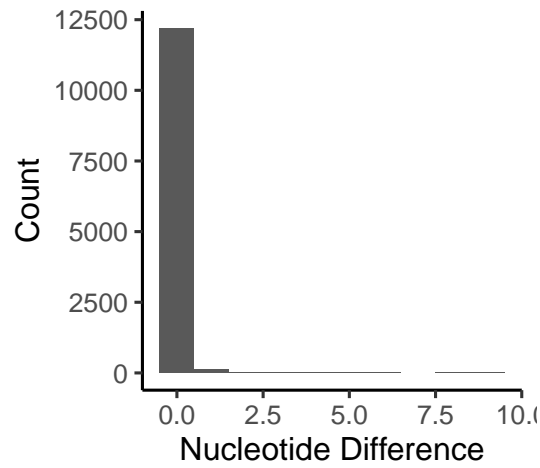
TRBV30*ap01

10105 sequences assigned
9937 (98.3%) exact matches, in which:
9814 unique CDR3
13 unique J



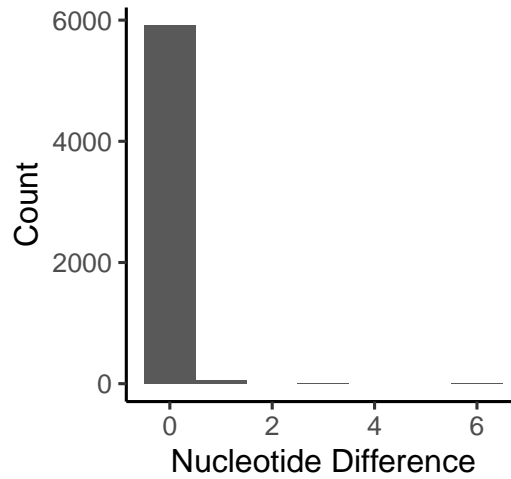
TRBV9*ap01

12326 sequences assigned
12200 (99%) exact matches, in which:
11963 unique CDR3
13 unique J



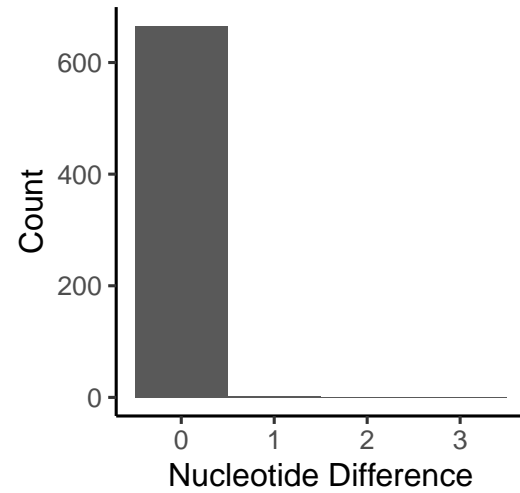
TRBV11-2*ap01

5979 sequences assigned
5913 (98.9%) exact matches, in which:
5808 unique CDR3
14 unique J



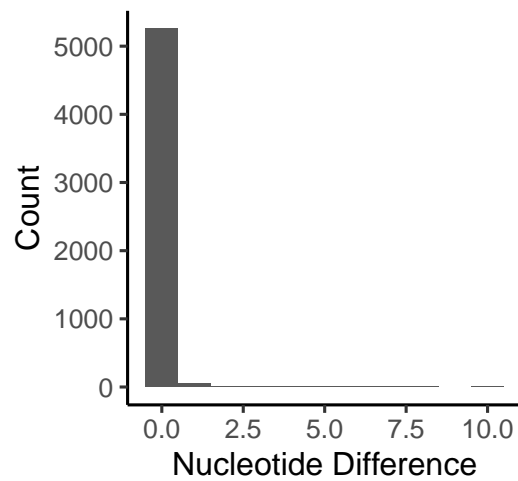
TRBV12-2*ap01

671 sequences assigned
666 (99.3%) exact matches, in which:
655 unique CDR3
13 unique J



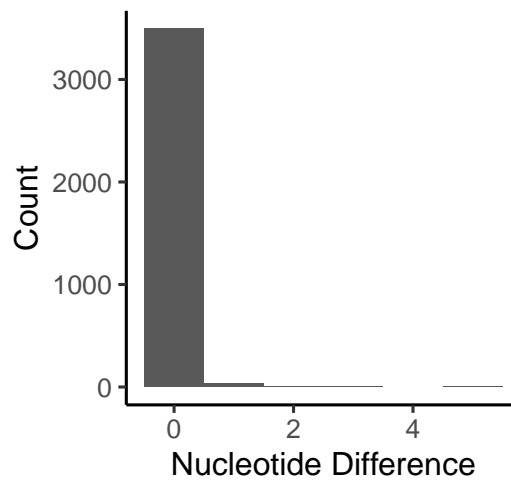
TRBV21-1*ap01

5342 sequences assigned
5256 (98.4%) exact matches, in which:
5185 unique CDR3
13 unique J



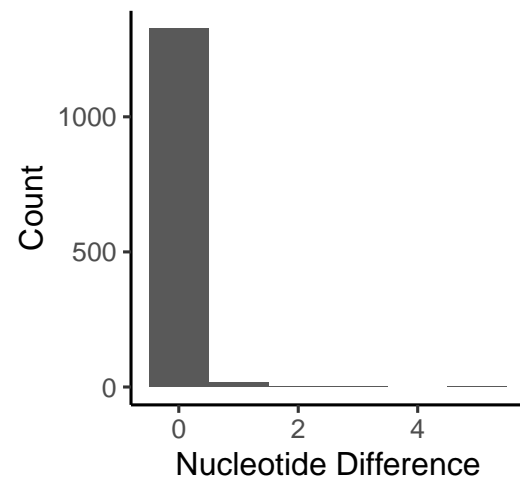
TRBV11-3*ap01

3534 sequences assigned
3495 (98.9%) exact matches, in which:
3422 unique CDR3
13 unique J



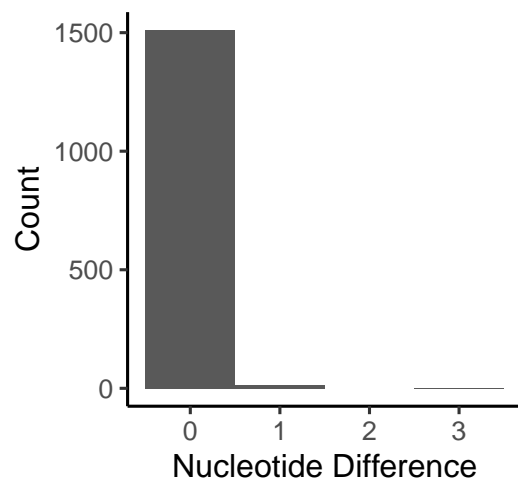
TRBV12-5*ap01

1347 sequences assigned
1326 (98.4%) exact matches, in which:
1296 unique CDR3
13 unique J



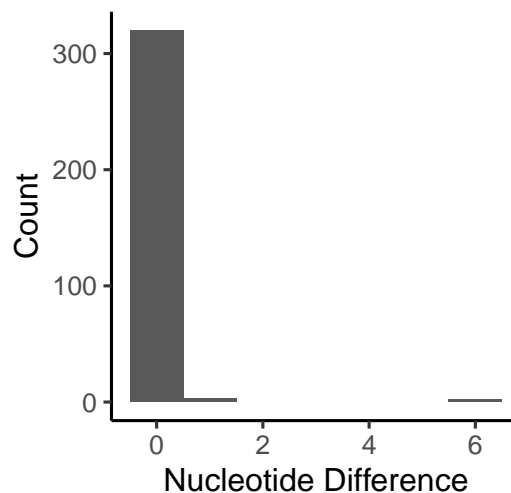
TRBV11-1*ap01

1527 sequences assigned
1511 (99%) exact matches, in which:
1479 unique CDR3
13 unique J



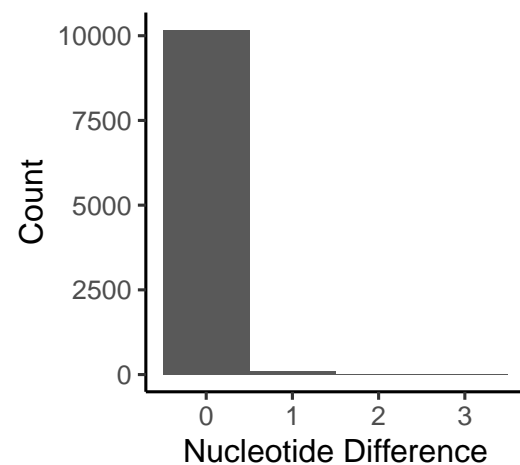
TRBV12-1*ap01

325 sequences assigned
320 (98.5%) exact matches, in which:
316 unique CDR3
13 unique J



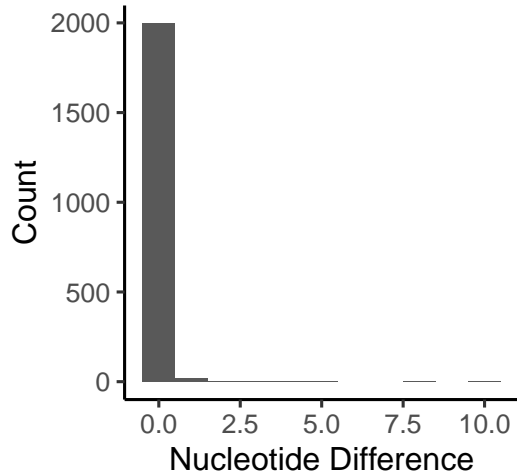
TRBV12-34*ap01

10291 sequences assigned
10175 (98.9%) exact matches, in which:
9990 unique CDR3
13 unique J



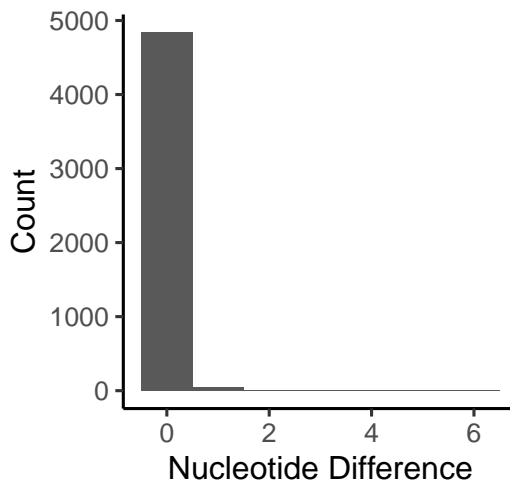
TRBV23-1*ap01

2023 sequences assigned
1997 (98.7%) exact matches, in which:
1959 unique CDR3
13 unique J



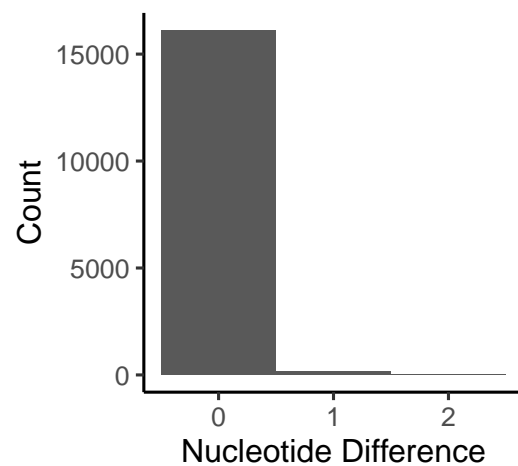
TRBV24-1*ap01

4891 sequences assigned
4839 (98.9%) exact matches, in which:
4766 unique CDR3
13 unique J



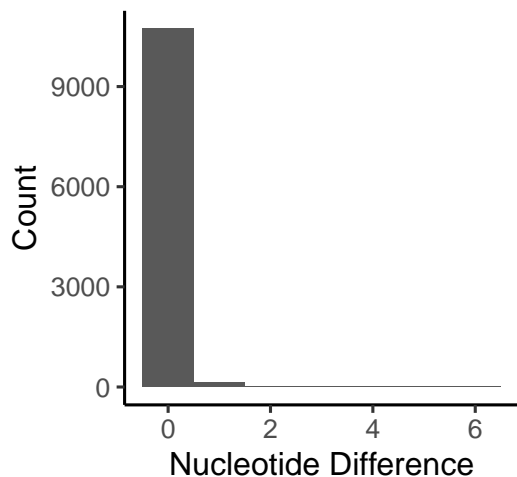
TRBV5-1*ap01

16277 sequences assigned
16120 (99%) exact matches, in which:
15752 unique CDR3
13 unique J



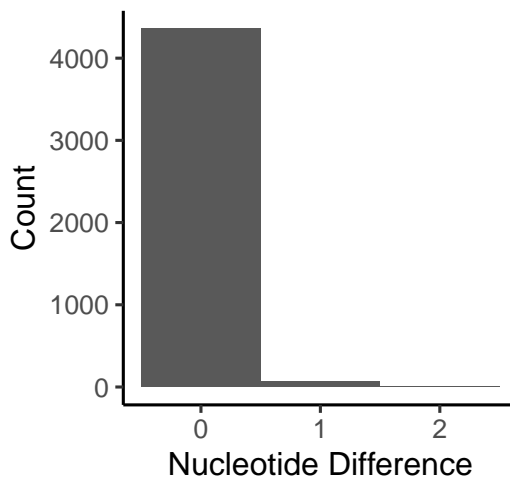
TRBV3-12*ap01

10869 sequences assigned
10733 (98.7%) exact matches, in which:
10542 unique CDR3
13 unique J



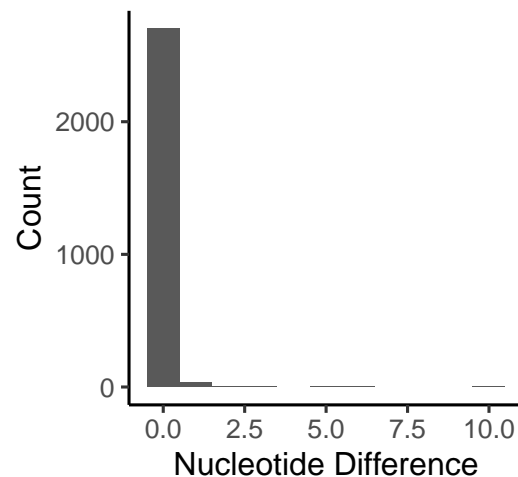
TRBV4-2*ap01

4424 sequences assigned
4358 (98.5%) exact matches, in which:
4291 unique CDR3
13 unique J



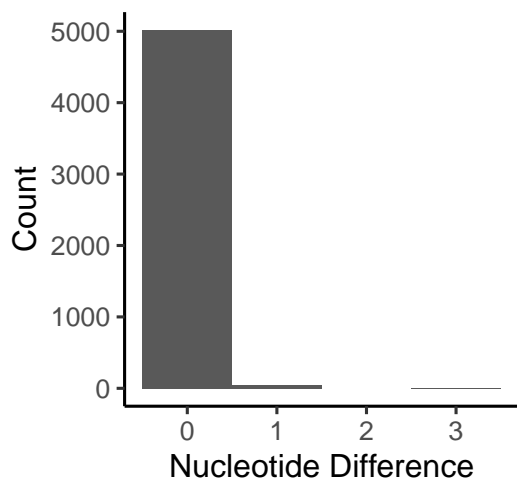
TRBV25-1*ap01

2743 sequences assigned
2701 (98.5%) exact matches, in which:
2667 unique CDR3
13 unique J



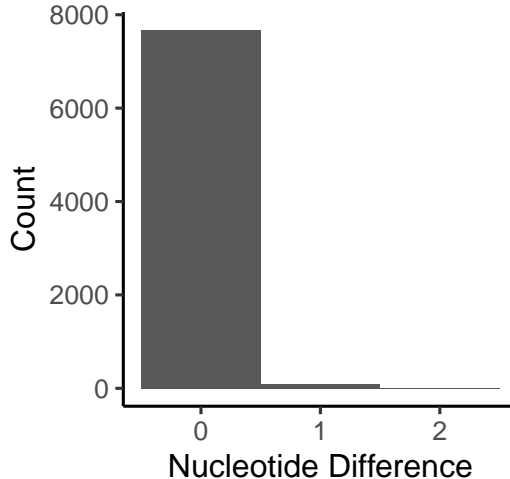
TRBV4-1*ap01

5062 sequences assigned
5017 (99.1%) exact matches, in which:
4939 unique CDR3
13 unique J



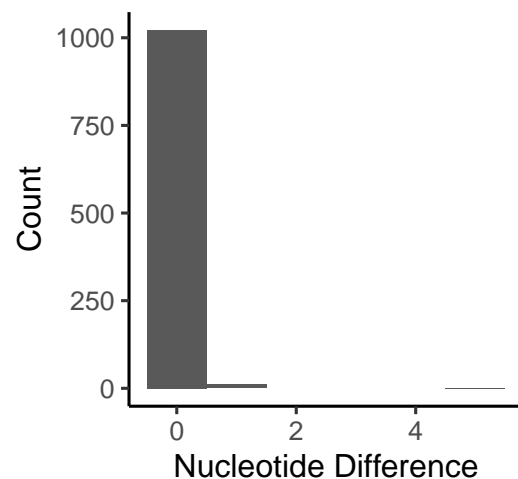
TRBV4-3*ap01

7767 sequences assigned
7672 (98.8%) exact matches, in which:
7536 unique CDR3
13 unique J



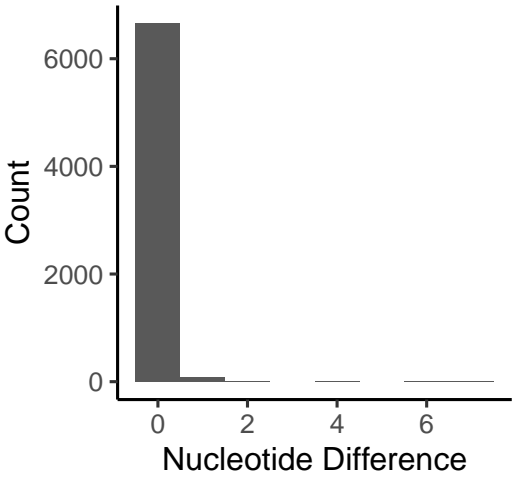
TRBV5-3*ap01

1034 sequences assigned
1022 (98.8%) exact matches, in which:
1003 unique CDR3
13 unique J



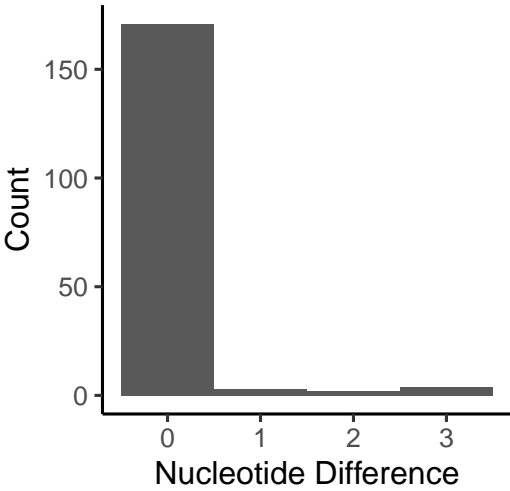
TRBV5-4*ap01

6751 sequences assigned
6656 (98.6%) exact matches, in which:
6525 unique CDR3
13 unique J



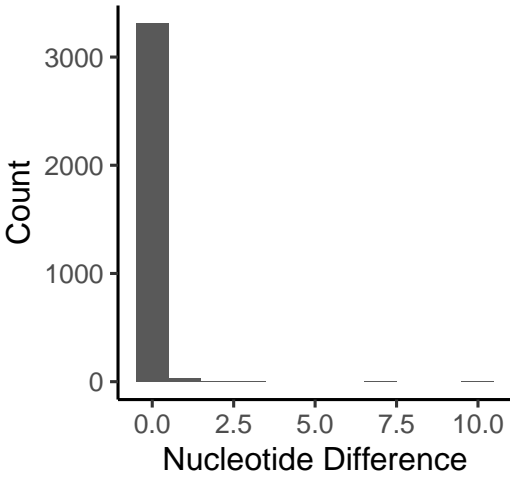
TRBV5-7*ap01

180 sequences assigned
171 (95%) exact matches, in which:
170 unique CDR3
13 unique J



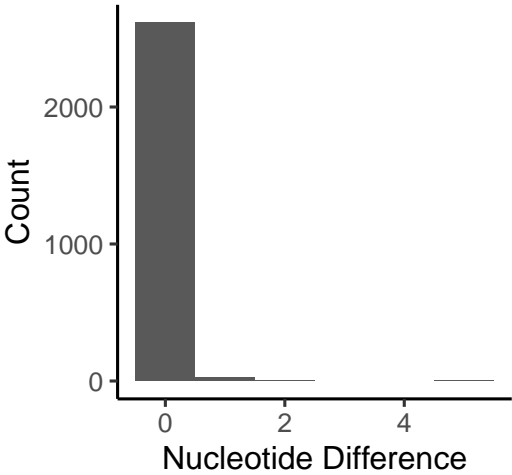
TRBV6-4*ap01

3356 sequences assigned
3311 (98.7%) exact matches, in which:
3259 unique CDR3
13 unique J



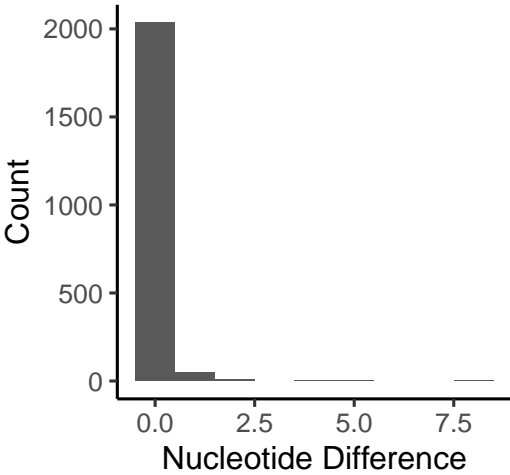
TRBV5-5*ap01

2645 sequences assigned
2615 (98.9%) exact matches, in which:
2574 unique CDR3
13 unique J



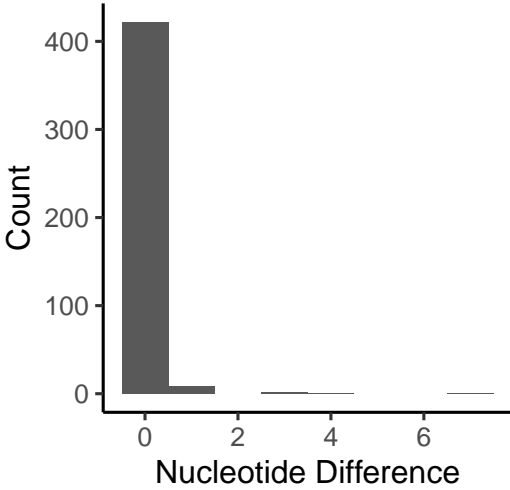
TRBV5-8*ap01

2098 sequences assigned
2035 (97%) exact matches, in which:
2005 unique CDR3
13 unique J



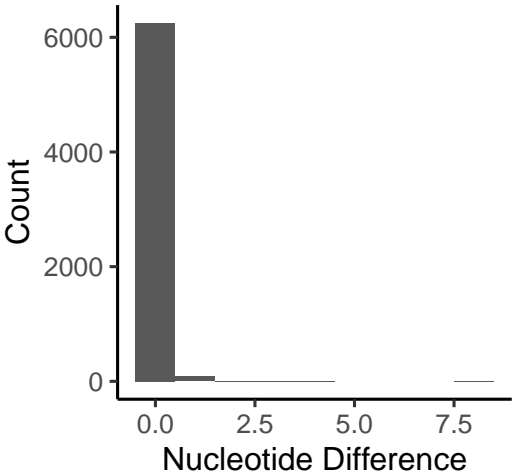
TRBV6-7*ap01

434 sequences assigned
422 (97.2%) exact matches, in which:
410 unique CDR3
13 unique J



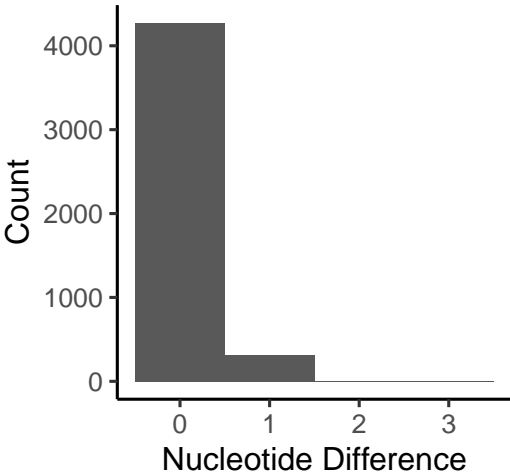
TRBV5-6*ap01

6338 sequences assigned
6249 (98.6%) exact matches, in which:
6109 unique CDR3
13 unique J



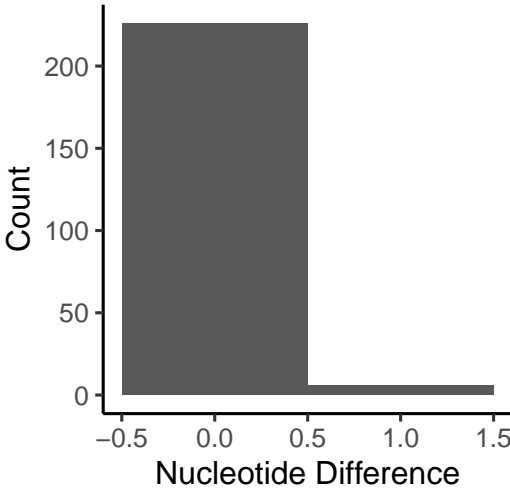
TRBV6-1*ap01

4585 sequences assigned
4271 (93.2%) exact matches, in which:
4171 unique CDR3
13 unique J



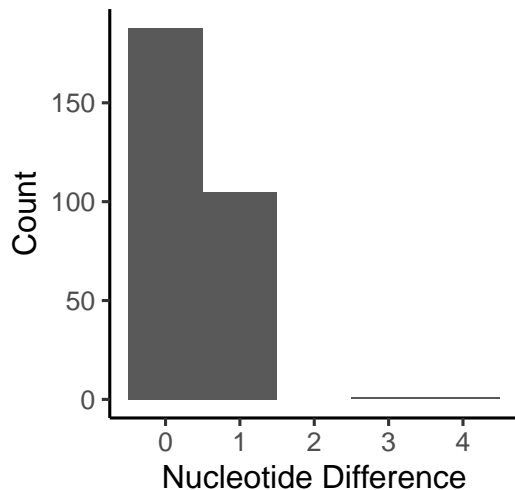
TRBV6-8*ap01

232 sequences assigned
226 (97.4%) exact matches, in which:
220 unique CDR3
13 unique J



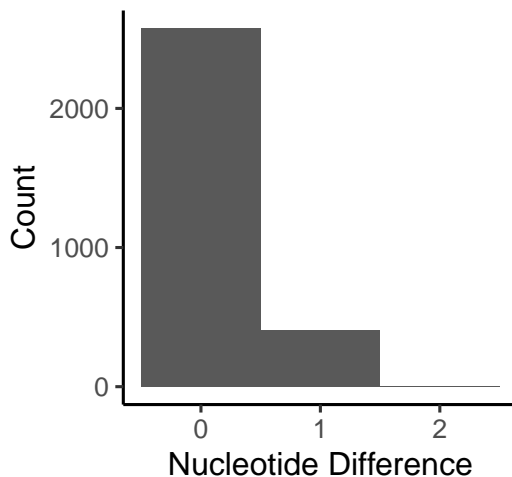
TRBV6–9*ap01

295 sequences assigned
188 (63.7%) exact matches, in which:
187 unique CDR3
13 unique J



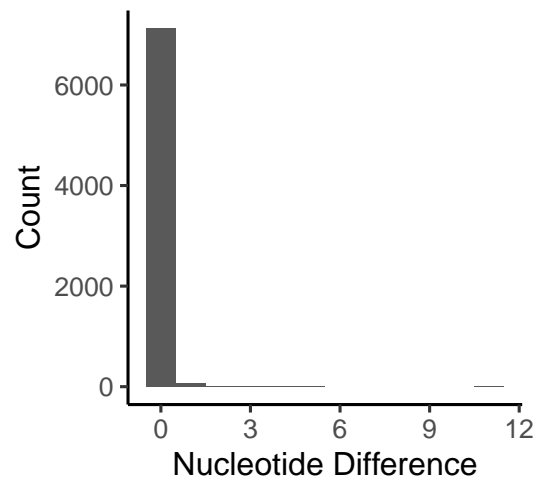
TRBV6–56*ap02

2985 sequences assigned
2575 (86.3%) exact matches, in which:
2528 unique CDR3
13 unique J



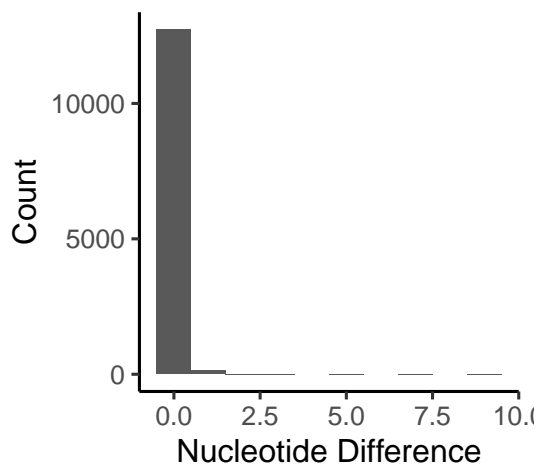
TRBV7–3*ap01

7199 sequences assigned
7125 (99%) exact matches, in which:
7012 unique CDR3
13 unique J



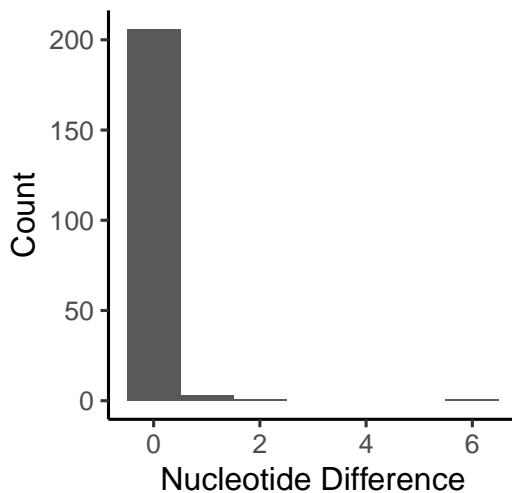
TRBV6–23*ap01

12880 sequences assigned
12732 (98.9%) exact matches, in which:
12471 unique CDR3
13 unique J



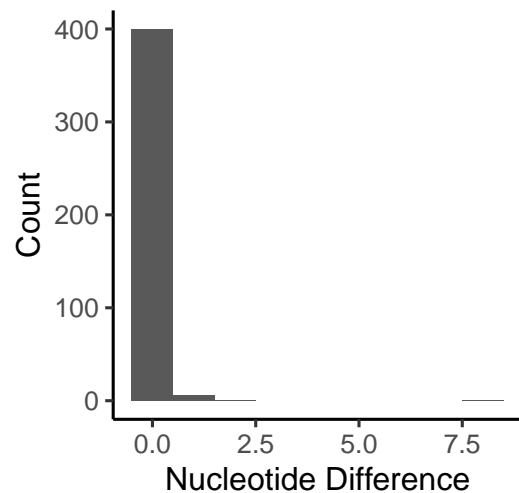
TRBV7–1*ap01_G291C_

211 sequences assigned
206 (97.6%) exact matches, in which:
201 unique CDR3
13 unique J



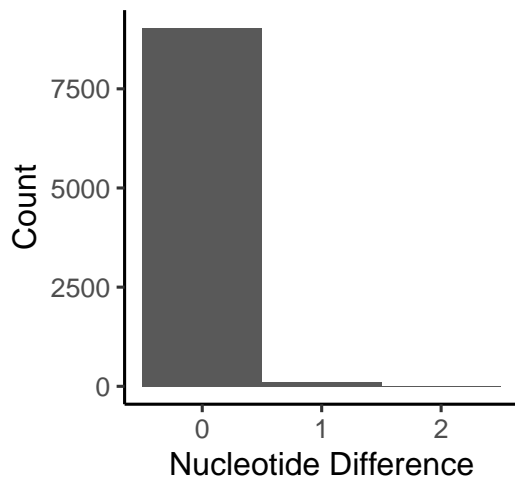
TRBV7–4*ap01

408 sequences assigned
400 (98%) exact matches, in which:
396 unique CDR3
13 unique J



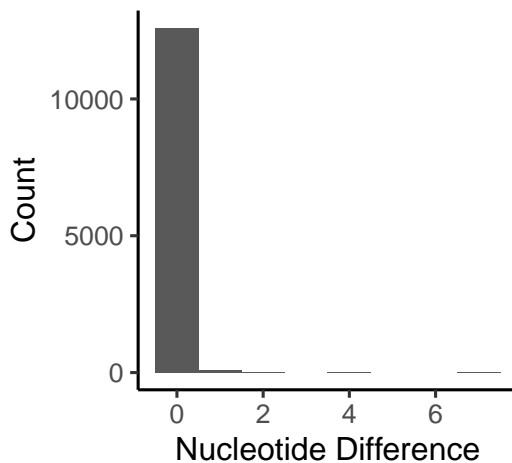
TRBV6–56*ap01

9146 sequences assigned
9032 (98.8%) exact matches, in which:
8842 unique CDR3
13 unique J



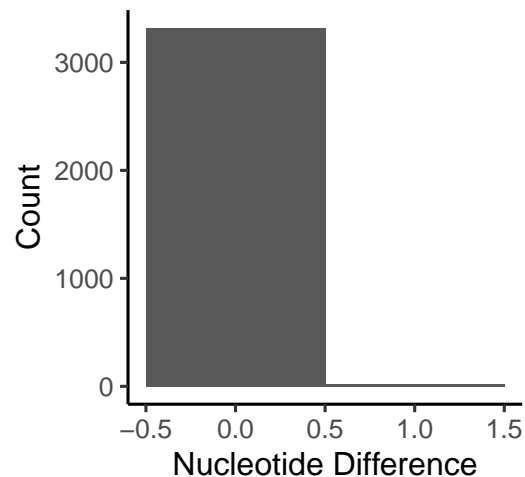
TRBV7–2*ap01

12695 sequences assigned
12600 (99.3%) exact matches, in which:
12391 unique CDR3
13 unique J



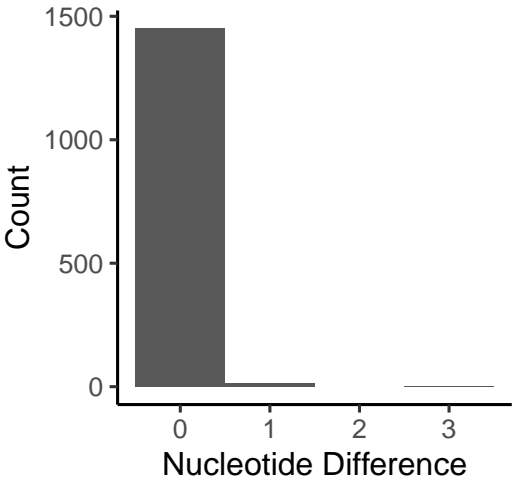
TRBV7–6*ap01

3338 sequences assigned
3318 (99.4%) exact matches, in which:
3265 unique CDR3
13 unique J



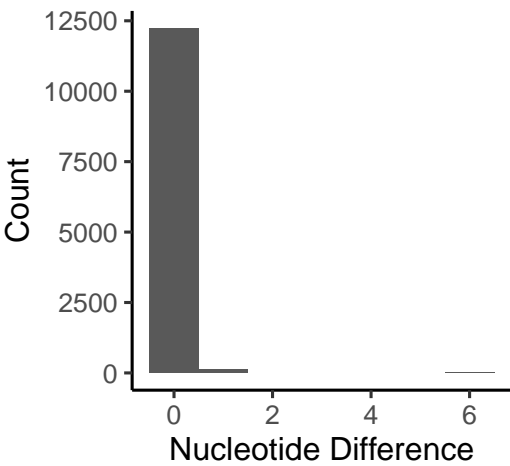
TRBV7-7*ap01_C315T

1467 sequences assigned
1451 (98.9%) exact matches, in which:
1432 unique CDR3
13 unique J



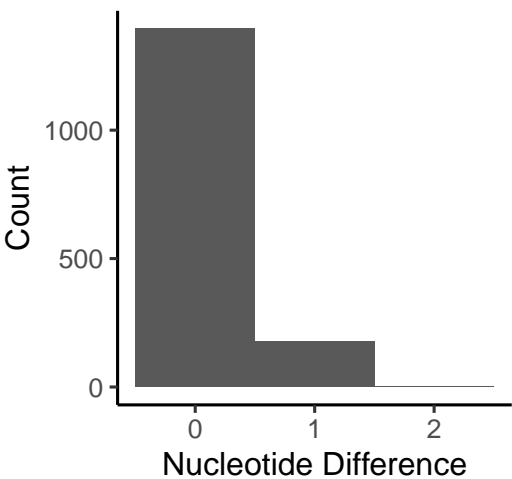
TRBV7-9*ap01

12357 sequences assigned
12239 (99%) exact matches, in which:
12039 unique CDR3
13 unique J



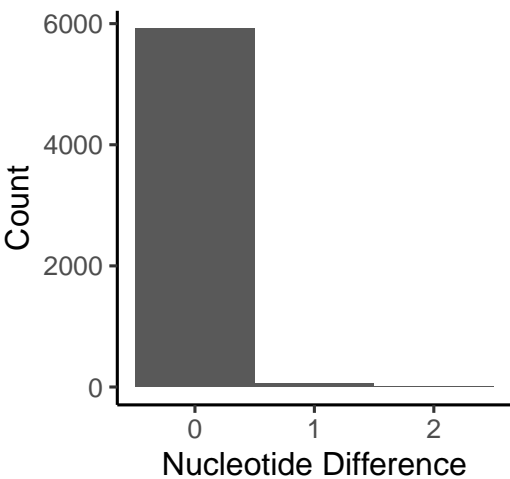
TRBV7-8*ap01

1576 sequences assigned
1395 (88.5%) exact matches, in which:
1365 unique CDR3
13 unique J



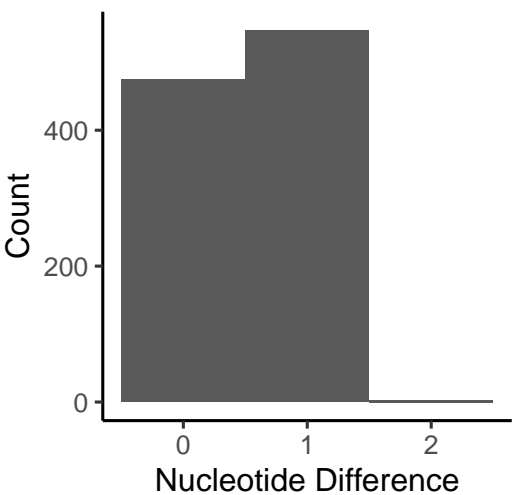
TRBV29-1*ap01

5982 sequences assigned
5916 (98.9%) exact matches, in which:
5838 unique CDR3
13 unique J



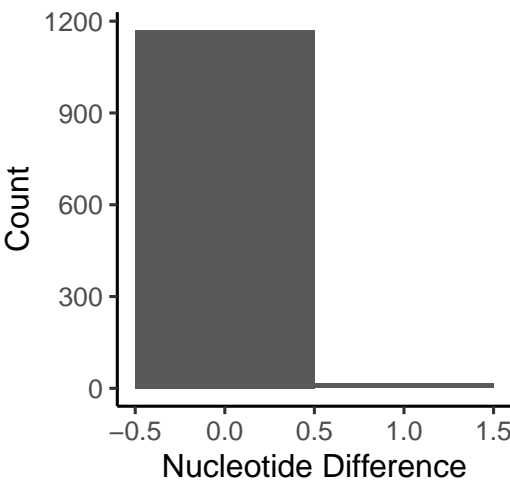
TRBV7-8*ap03

1025 sequences assigned
475 (46.3%) exact matches, in which:
468 unique CDR3
13 unique J

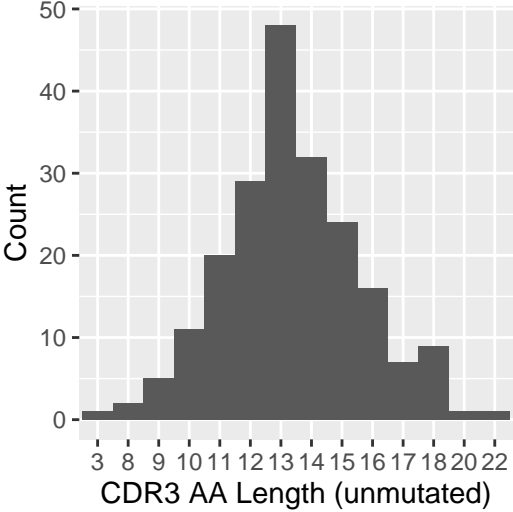


TRBV29-1*ap02

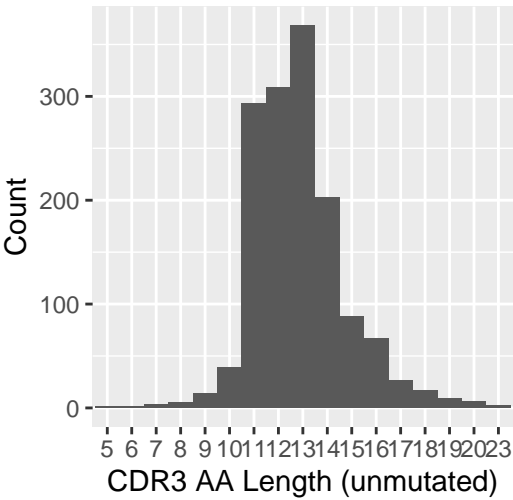
1187 sequences assigned
1171 (98.7%) exact matches, in which:
1157 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]