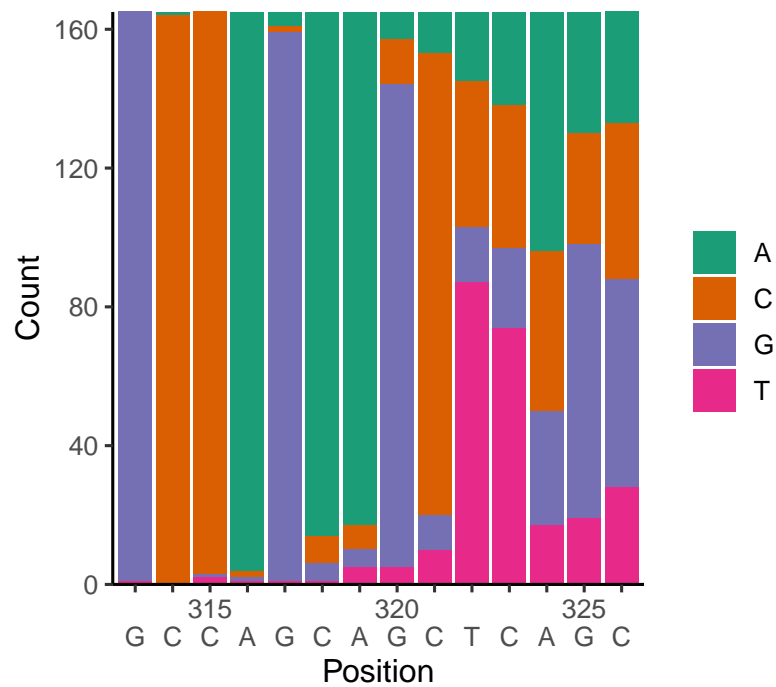
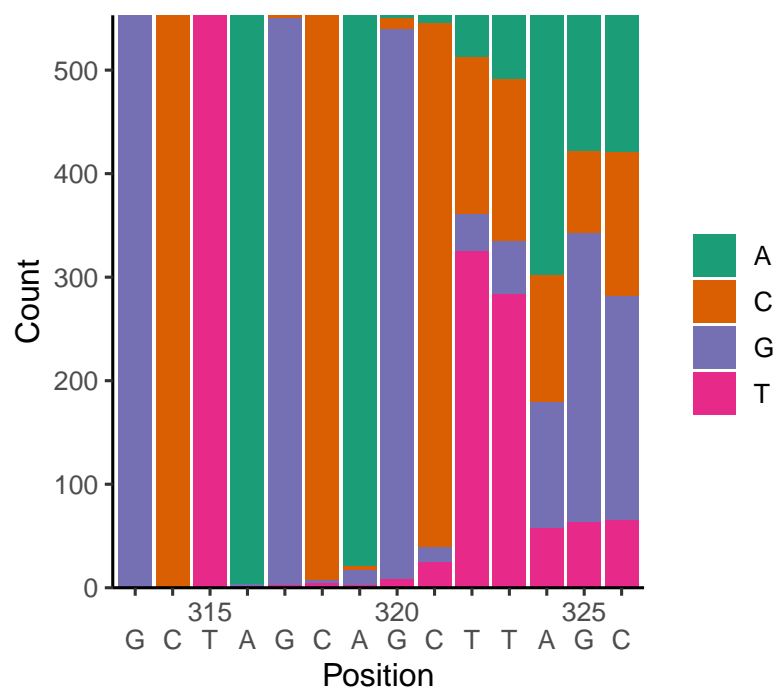


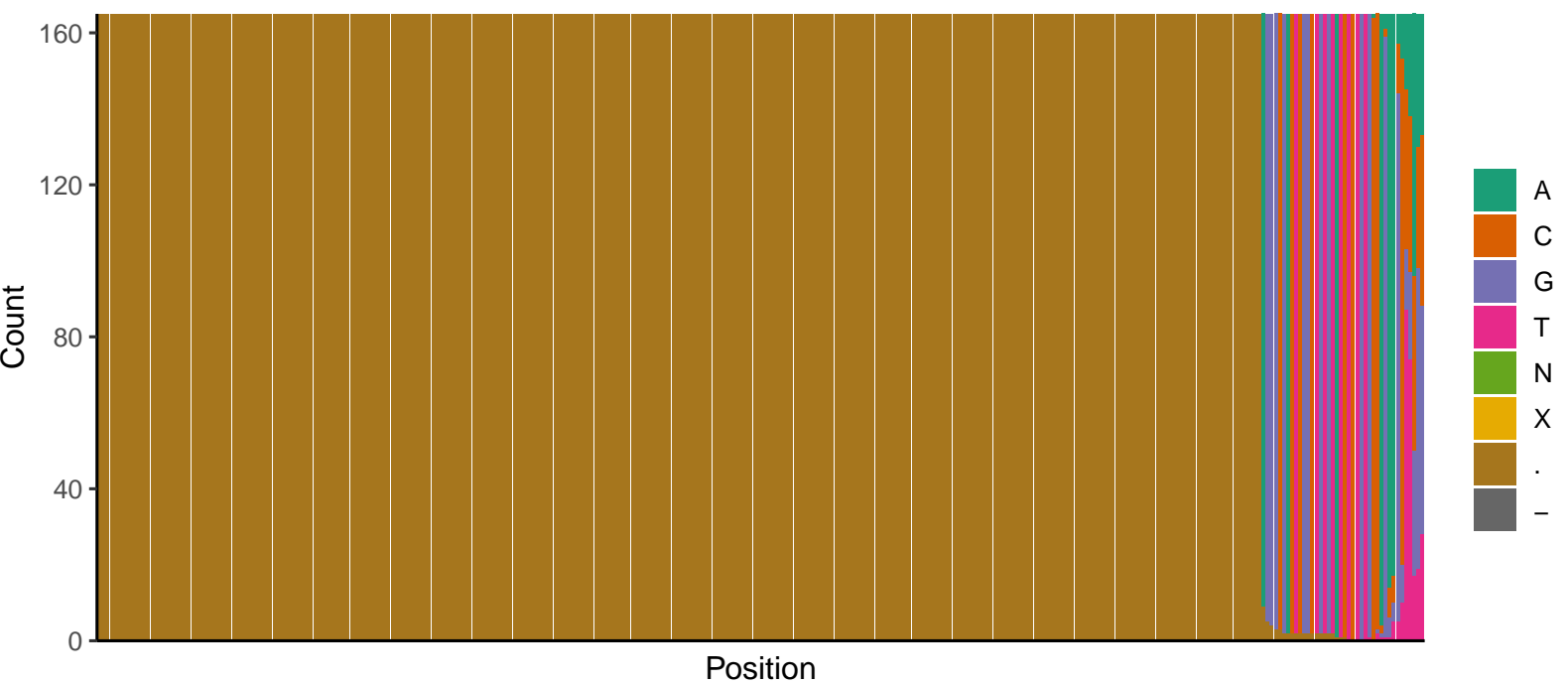
Gene TRBV7-1*ap01_G291C_T296C



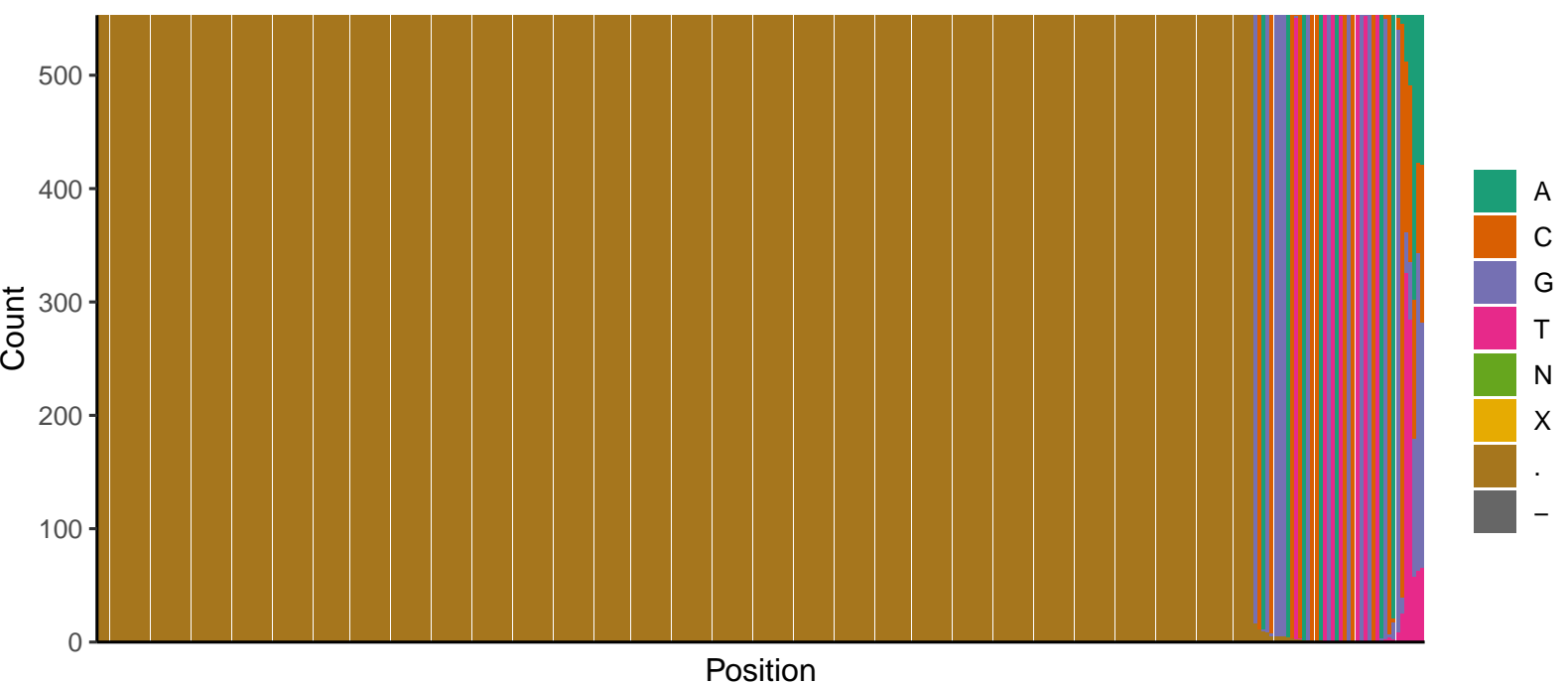
Gene TRBV7-7*ap01_C315T



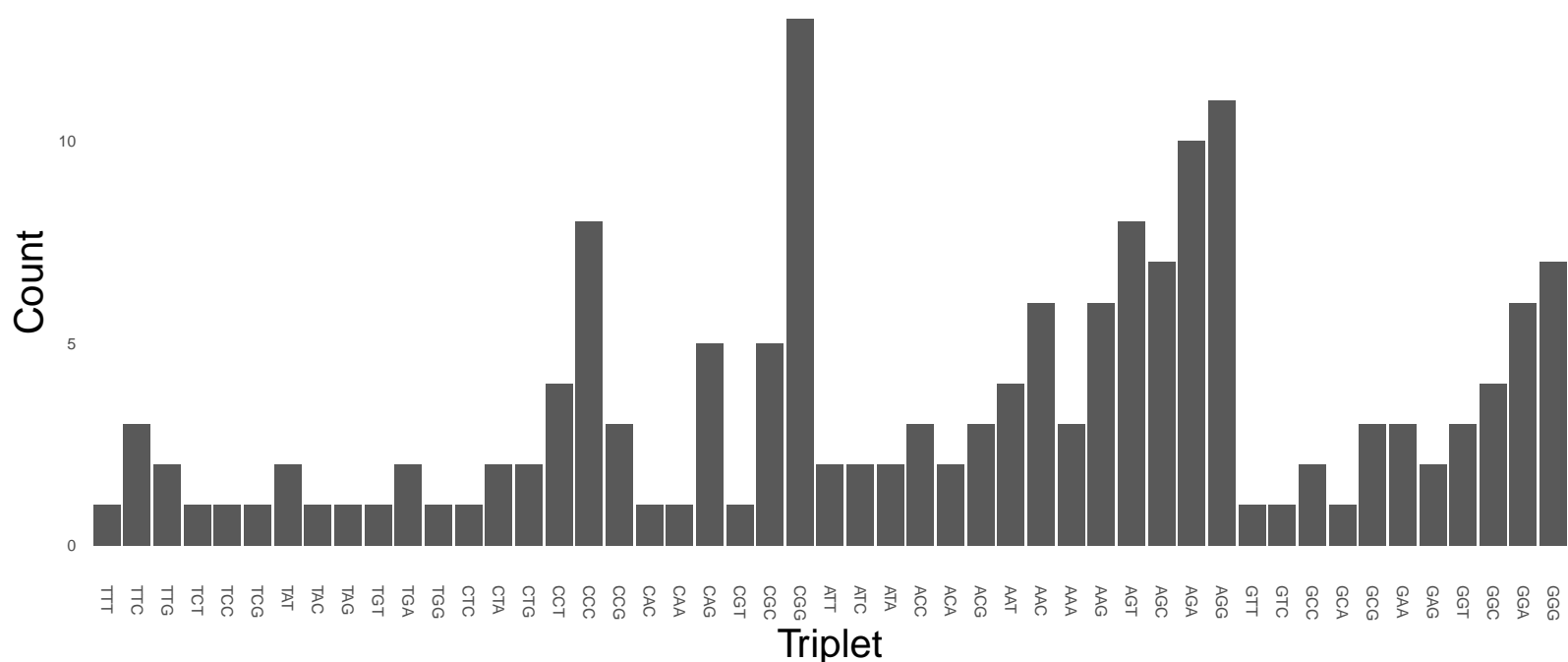
Gene TRBV7-1*ap01_G291C_T296C



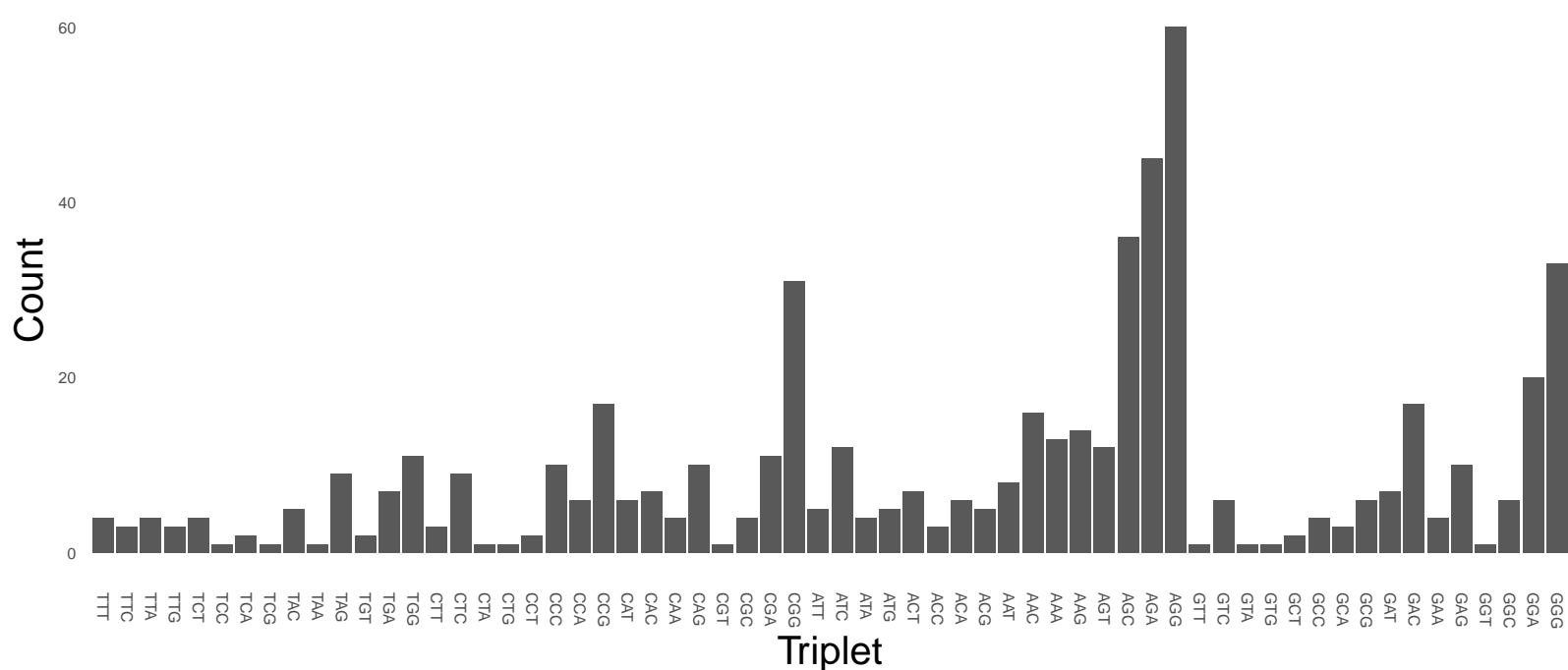
Gene TRBV7-7*ap01_C315T



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

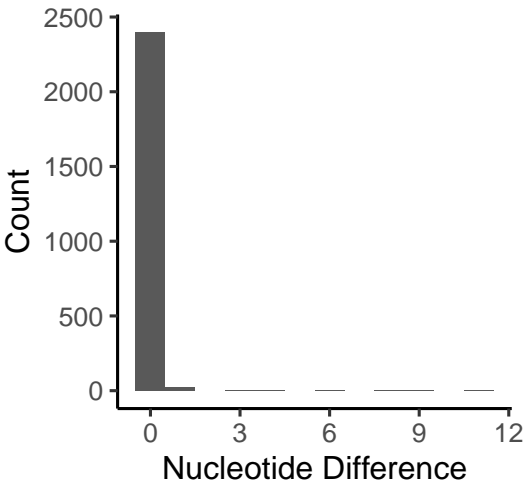


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



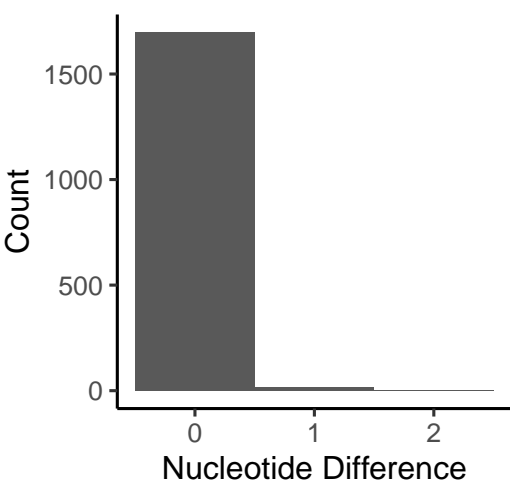
TRBV10-1*ap01

2428 sequences assigned
2397 (98.7%) exact matches, in which:
2353 unique CDR3
13 unique J



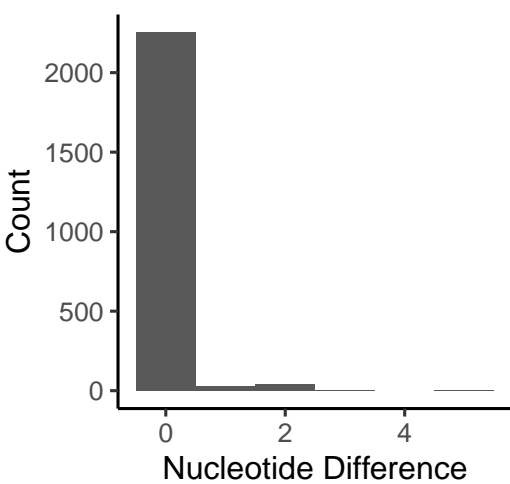
TRBV10-2*ap01

1714 sequences assigned
1697 (99%) exact matches, in which:
1645 unique CDR3
13 unique J



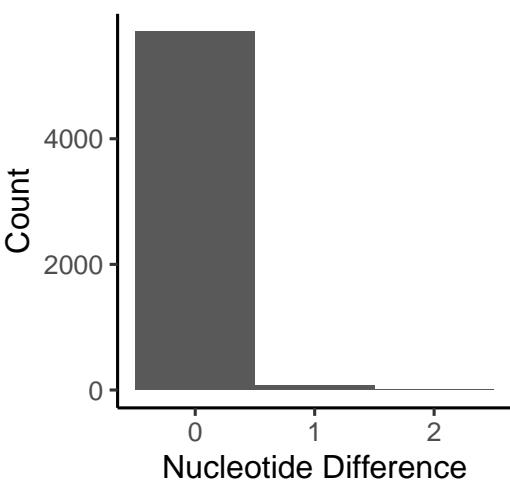
TRBV13*ap01

2330 sequences assigned
2253 (96.7%) exact matches, in which:
2188 unique CDR3
13 unique J



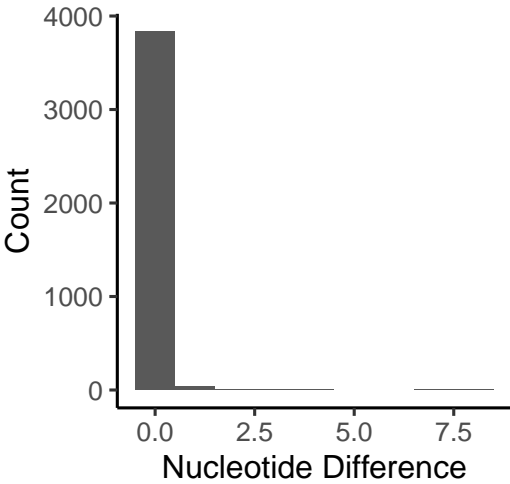
TRBV20-1*ap01

5775 sequences assigned
5704 (98.8%) exact matches, in which:
5605 unique CDR3
13 unique J



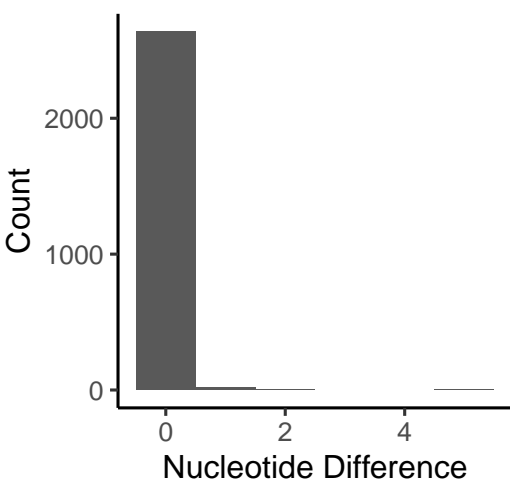
TRBV10-3*ap01

3875 sequences assigned
3832 (98.9%) exact matches, in which:
3758 unique CDR3
13 unique J



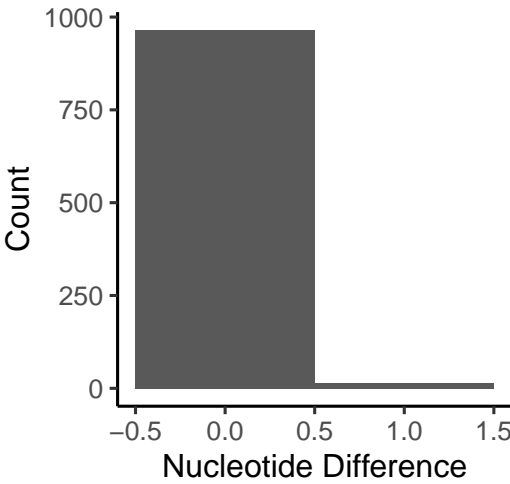
TRBV14*ap01

2654 sequences assigned
2637 (99.4%) exact matches, in which:
2596 unique CDR3
13 unique J



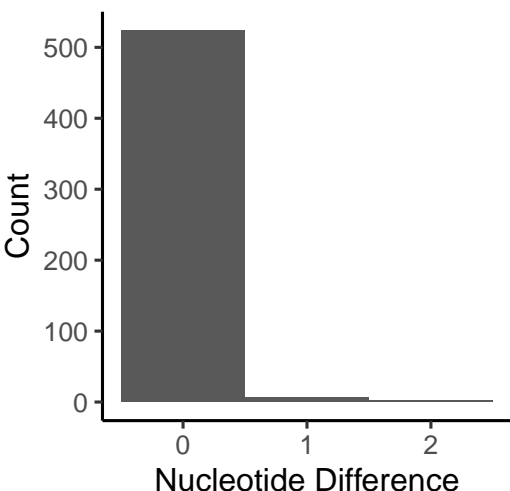
TRBV20-1*ap02

979 sequences assigned
965 (98.6%) exact matches, in which:
956 unique CDR3
13 unique J



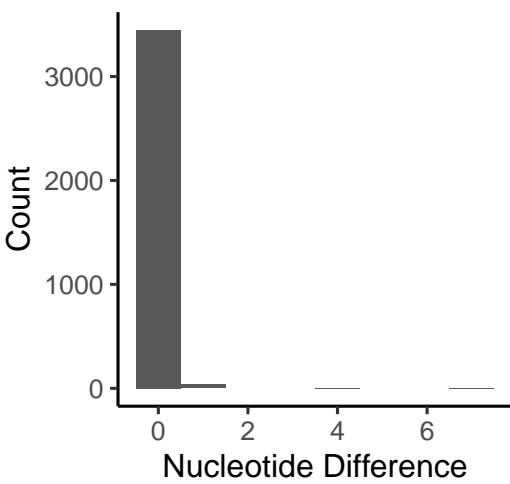
TRBV1*ap01

533 sequences assigned
524 (98.3%) exact matches, in which:
515 unique CDR3
13 unique J



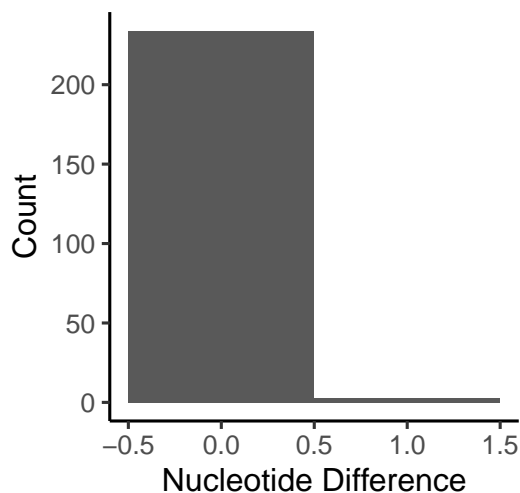
TRBV15*ap02

3487 sequences assigned
3447 (98.9%) exact matches, in which:
3375 unique CDR3
13 unique J



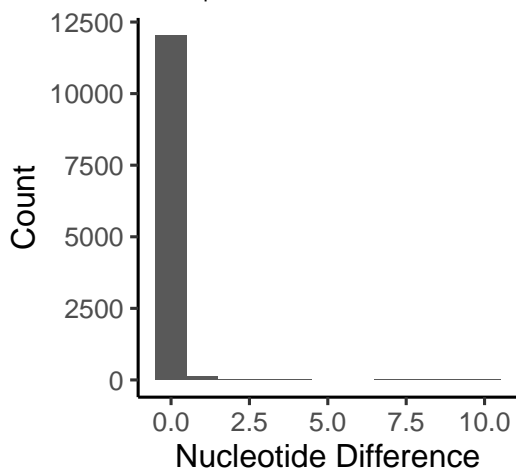
TRBV16*ap01

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



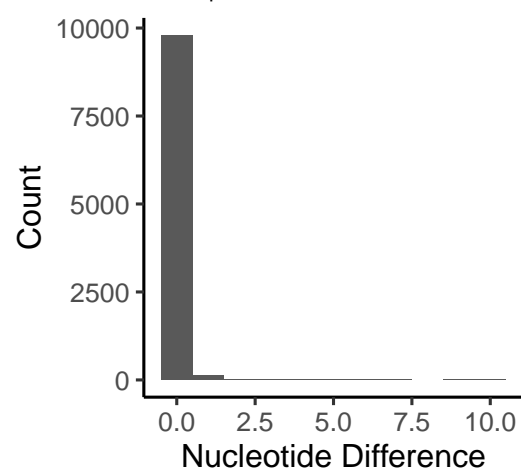
TRBV19*ap01

12172 sequences assigned
12042 (98.9%) exact matches, in which:
11900 unique CDR3
13 unique J



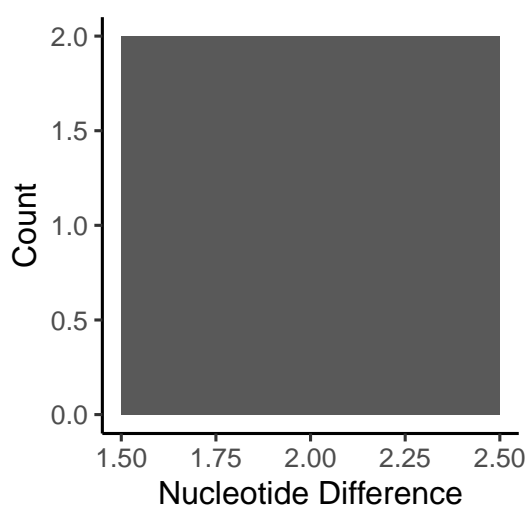
TRBV27*ap01

9940 sequences assigned
9798 (98.6%) exact matches, in which:
9597 unique CDR3
13 unique J



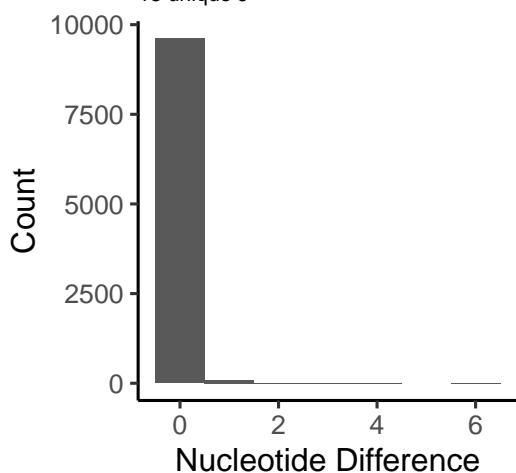
TRBV17*ap01

2 sequences assigned
No exact matches.



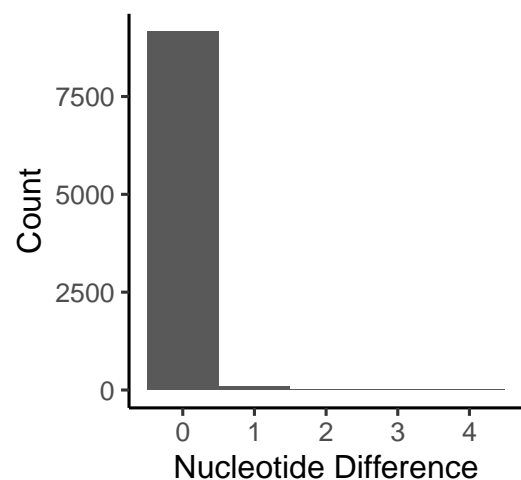
TRBV2*ap01

9717 sequences assigned
9615 (99%) exact matches, in which:
9451 unique CDR3
13 unique J



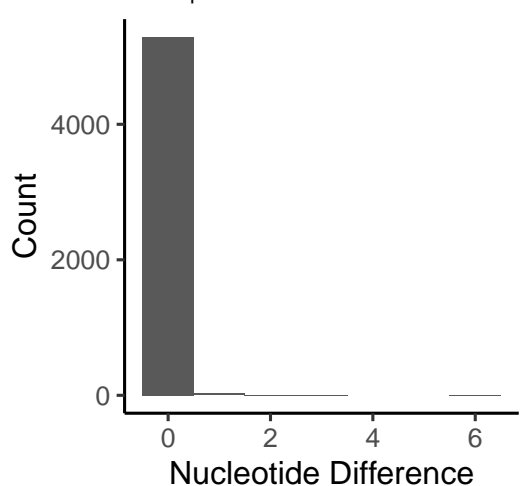
TRBV28*ap01

9247 sequences assigned
9156 (99%) exact matches, in which:
9010 unique CDR3
13 unique J



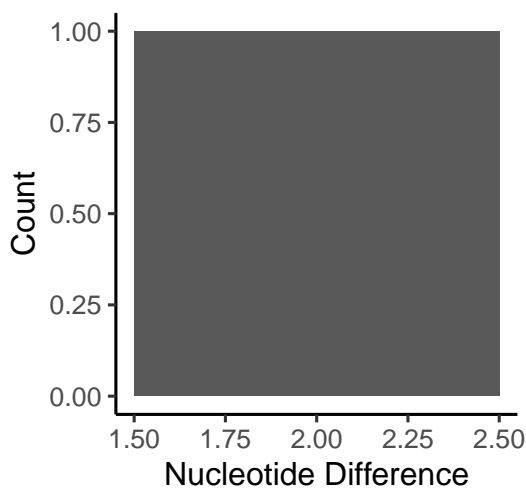
TRBV18*ap01

5317 sequences assigned
5288 (99.5%) exact matches, in which:
5229 unique CDR3
13 unique J



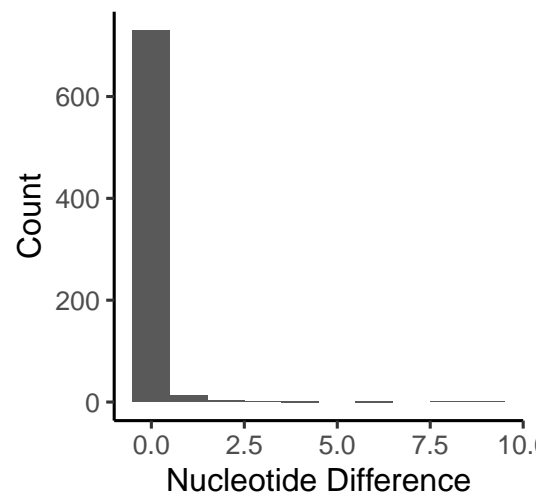
TRBV26*ap01

1 sequences assigned
No exact matches.



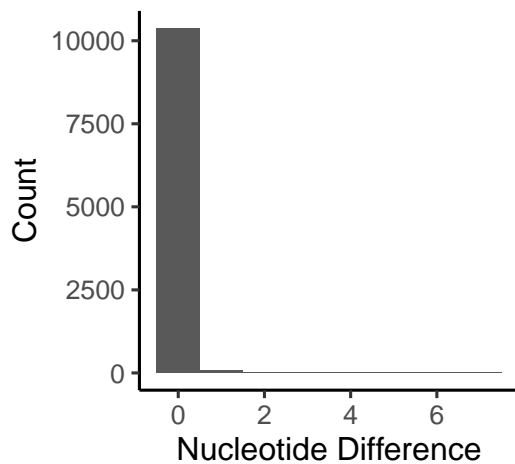
TRBV30*ap02

753 sequences assigned
730 (96.9%) exact matches, in which:
712 unique CDR3
13 unique J



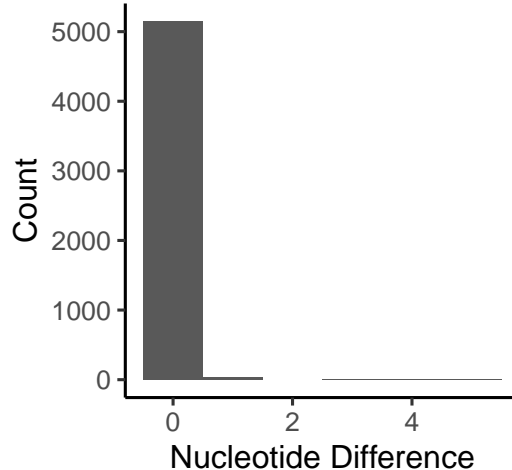
TRBV9*ap01

10479 sequences assigned
10379 (99%) exact matches, in which:
10199 unique CDR3
13 unique J



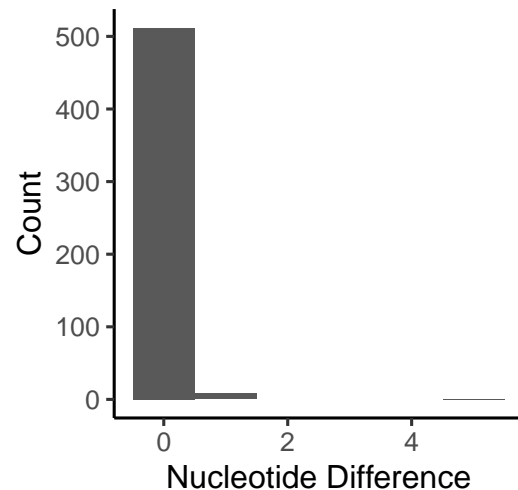
TRBV11-2*ap01

5180 sequences assigned
5147 (99.4%) exact matches, in which:
5094 unique CDR3
13 unique J



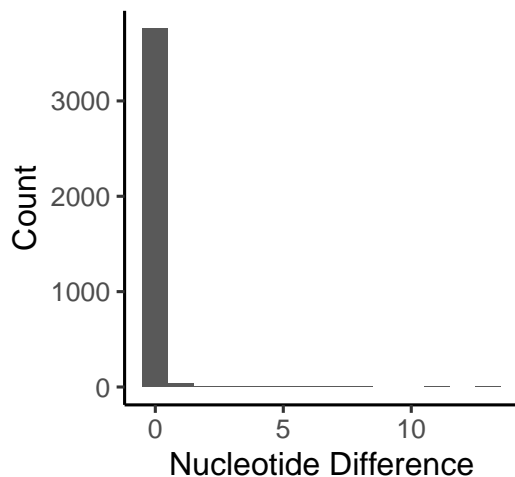
TRBV12-2*ap01

521 sequences assigned
512 (98.3%) exact matches, in which:
498 unique CDR3
13 unique J



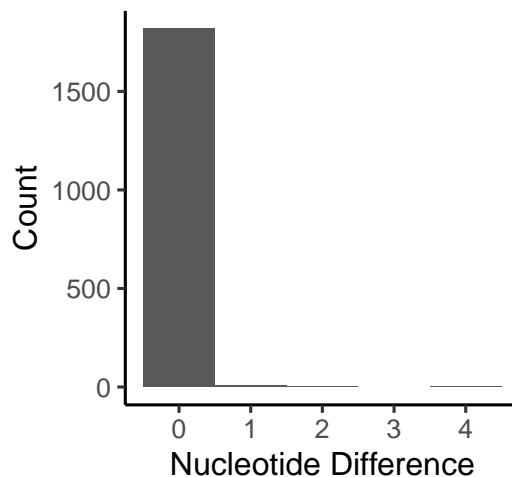
TRBV21-1*ap01

3811 sequences assigned
3757 (98.6%) exact matches, in which:
3721 unique CDR3
13 unique J



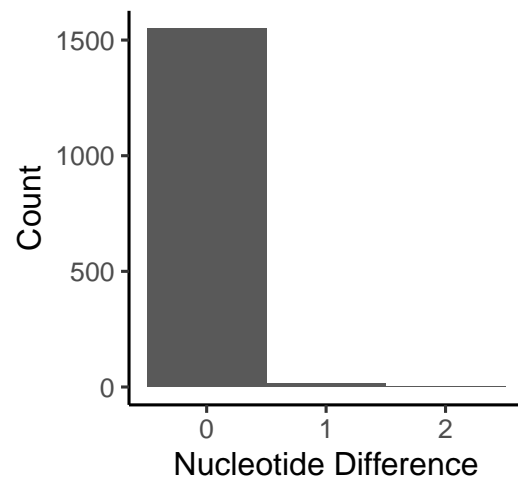
TRBV11-3*ap01

1830 sequences assigned
1818 (99.3%) exact matches, in which:
1807 unique CDR3
13 unique J



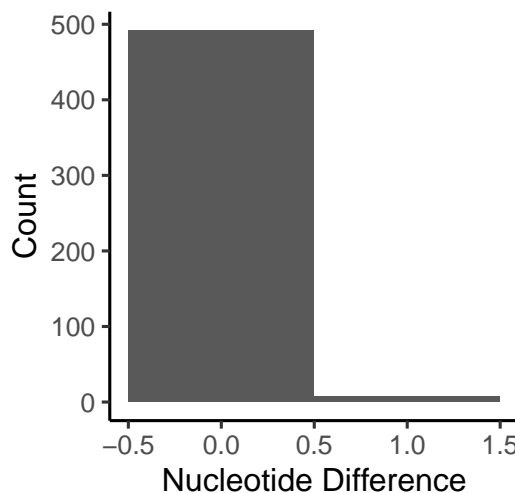
TRBV12-5*ap01

1566 sequences assigned
1549 (98.9%) exact matches, in which:
1525 unique CDR3
13 unique J



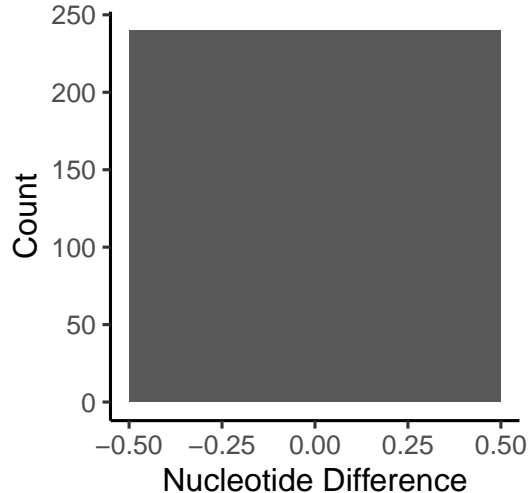
TRBV11-1*ap01

499 sequences assigned
492 (98.6%) exact matches, in which:
489 unique CDR3
13 unique J



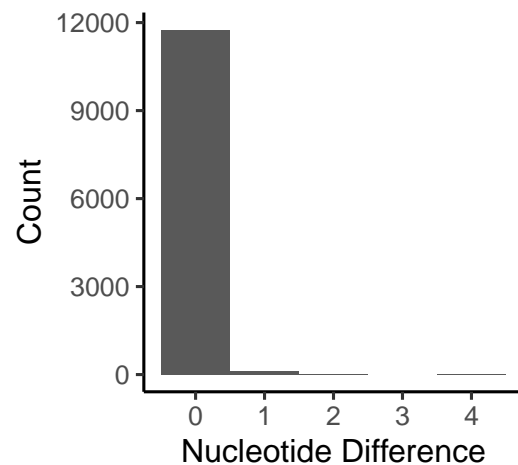
TRBV12-1*ap01

240 sequences assigned
240 (100%) exact matches, in which:
238 unique CDR3
13 unique J



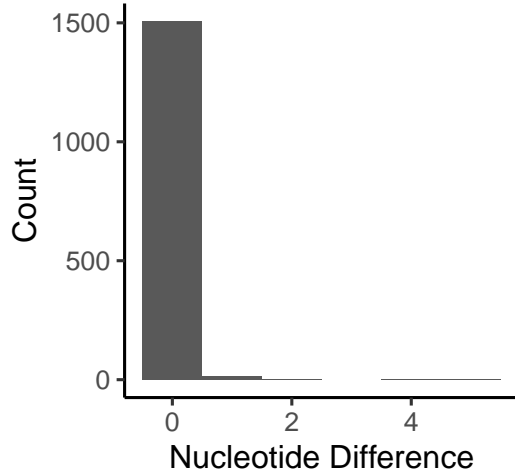
TRBV12-34*ap01

11878 sequences assigned
11755 (99%) exact matches, in which:
11578 unique CDR3
13 unique J



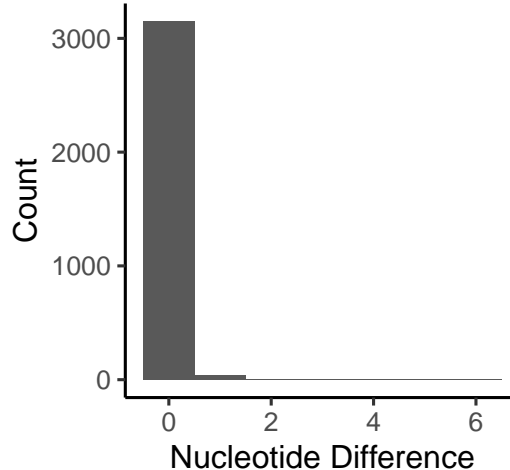
TRBV23-1*ap01

1526 sequences assigned
1506 (98.7%) exact matches, in which:
1491 unique CDR3
13 unique J



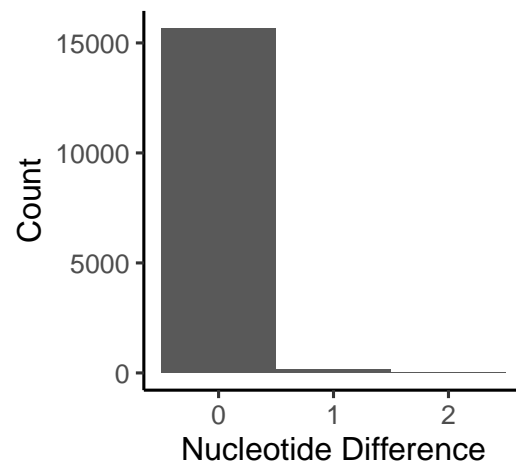
TRBV24-1*ap01

3191 sequences assigned
3149 (98.7%) exact matches, in which:
3099 unique CDR3
13 unique J



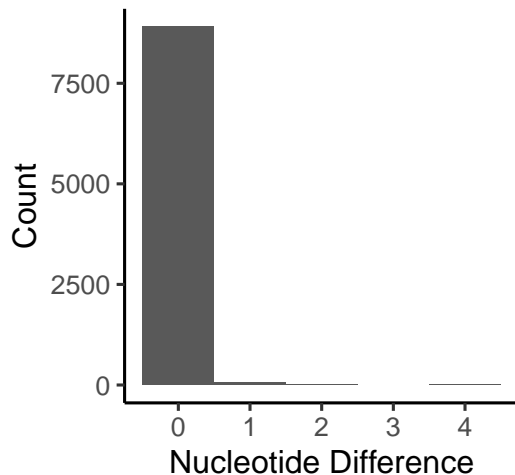
TRBV5-1*ap01

15860 sequences assigned
15672 (98.8%) exact matches, in which:
15179 unique CDR3
13 unique J



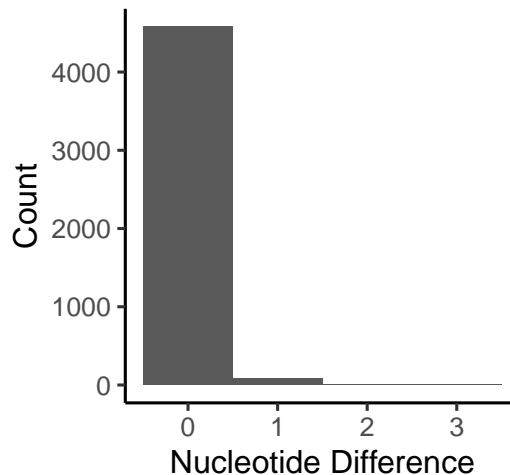
TRBV3-12*ap01

8983 sequences assigned
8906 (99.1%) exact matches, in which:
8802 unique CDR3
13 unique J



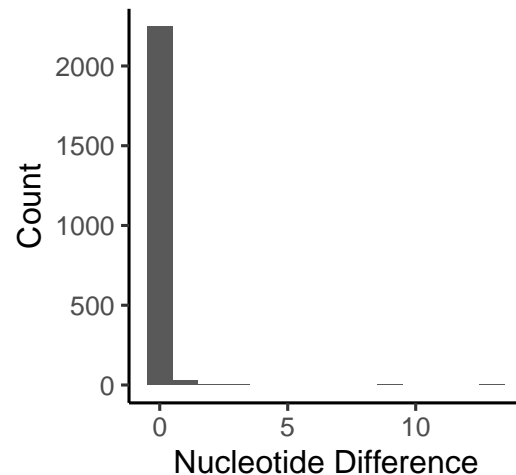
TRBV4-2*ap01

4667 sequences assigned
4579 (98.1%) exact matches, in which:
4504 unique CDR3
13 unique J



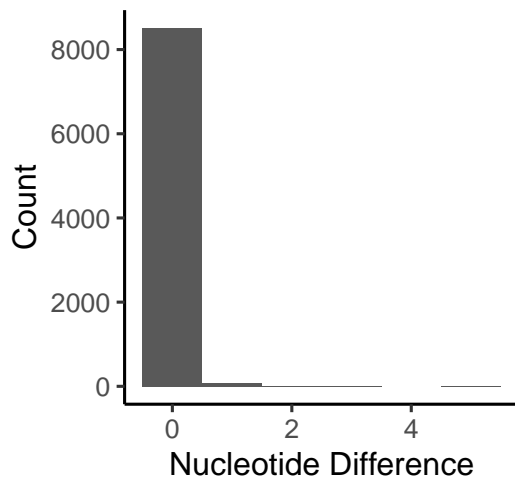
TRBV25-1*ap01

2283 sequences assigned
2246 (98.4%) exact matches, in which:
2222 unique CDR3
13 unique J



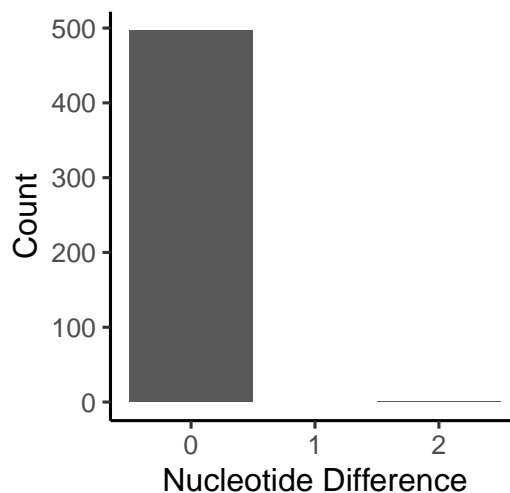
TRBV4-1*ap01

8601 sequences assigned
8511 (99%) exact matches, in which:
8341 unique CDR3
13 unique J



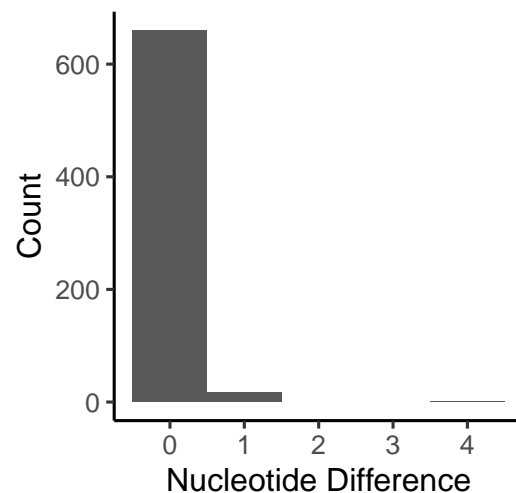
TRBV4-3*ap01

498 sequences assigned
497 (99.8%) exact matches, in which:
495 unique CDR3
13 unique J



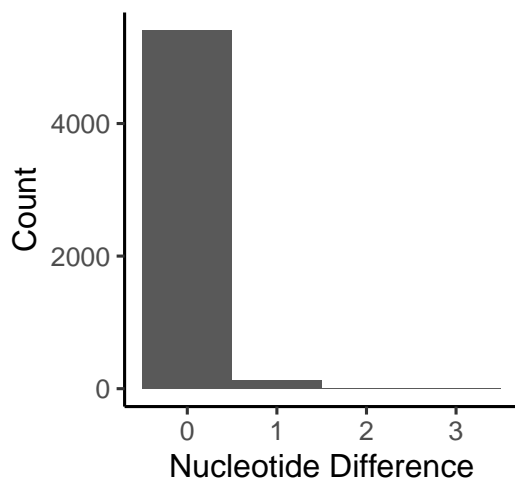
TRBV5-3*ap01

678 sequences assigned
660 (97.3%) exact matches, in which:
648 unique CDR3
13 unique J



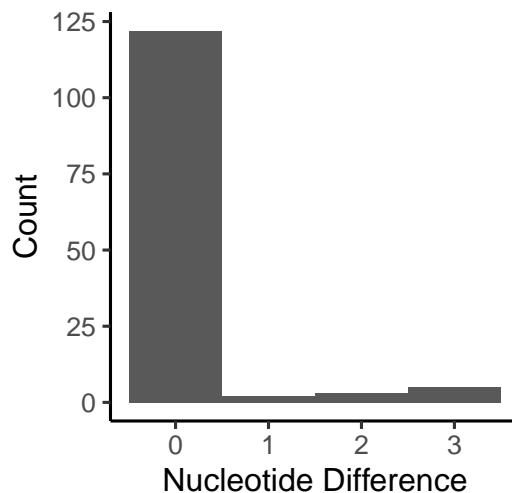
TRBV5-4*ap01

5528 sequences assigned
5405 (97.8%) exact matches, in which:
5306 unique CDR3
13 unique J



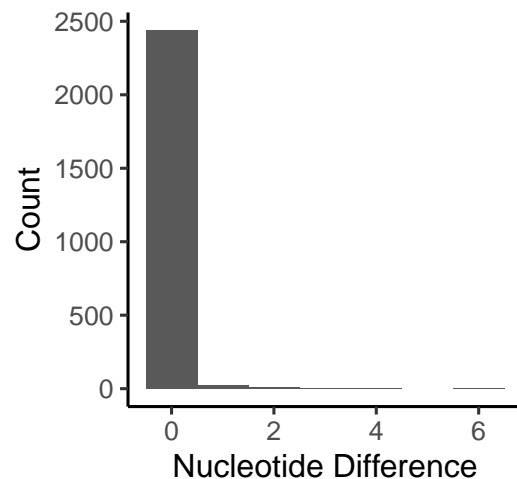
TRBV5-7*ap01

132 sequences assigned
122 (92.4%) exact matches, in which:
118 unique CDR3
13 unique J



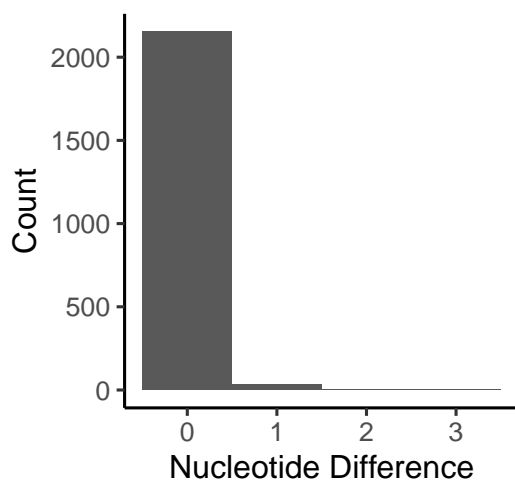
TRBV6-4*ap01

2474 sequences assigned
2438 (98.5%) exact matches, in which:
2393 unique CDR3
13 unique J



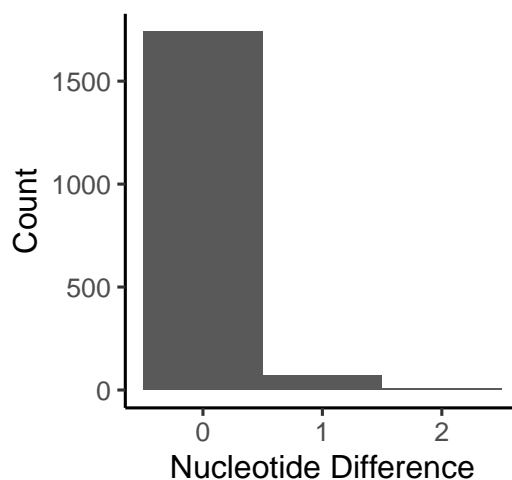
TRBV5-5*ap01

2188 sequences assigned
2153 (98.4%) exact matches, in which:
2111 unique CDR3
13 unique J



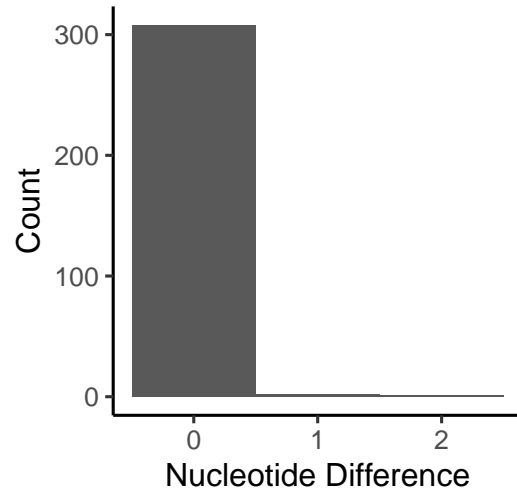
TRBV5-8*ap01

1819 sequences assigned
1740 (95.7%) exact matches, in which:
1713 unique CDR3
13 unique J



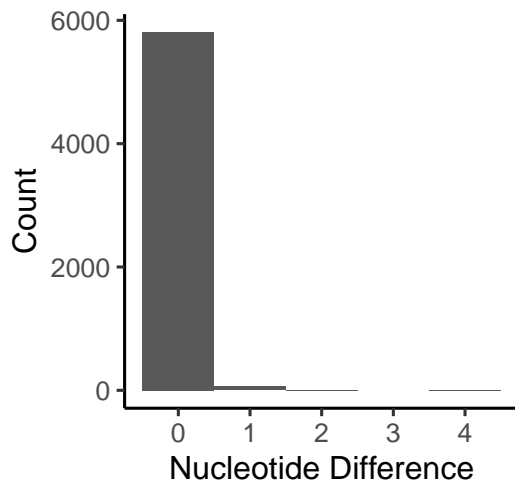
TRBV6-7*ap01

311 sequences assigned
308 (99%) exact matches, in which:
303 unique CDR3
13 unique J



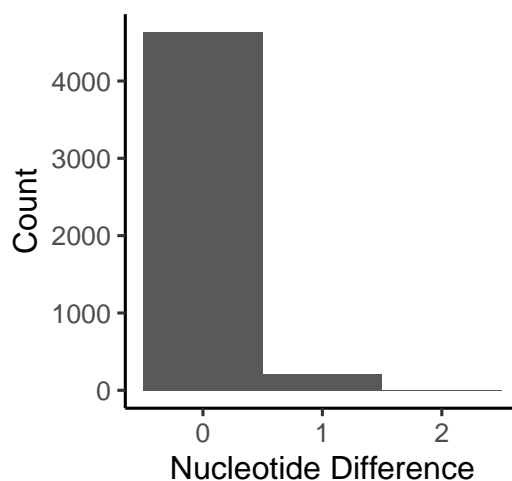
TRBV5-6*ap01

5875 sequences assigned
5810 (98.9%) exact matches, in which:
5530 unique CDR3
13 unique J



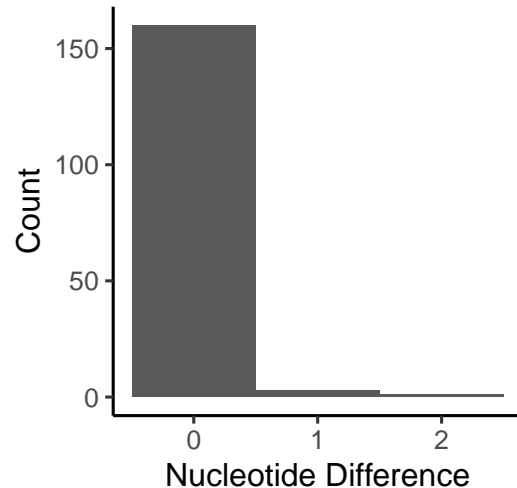
TRBV6-1*ap01

4843 sequences assigned
4633 (95.7%) exact matches, in which:
4532 unique CDR3
13 unique J



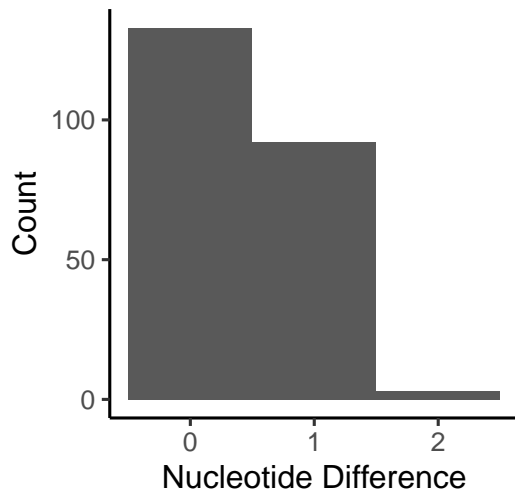
TRBV6-8*ap01

164 sequences assigned
160 (97.6%) exact matches, in which:
154 unique CDR3
13 unique J



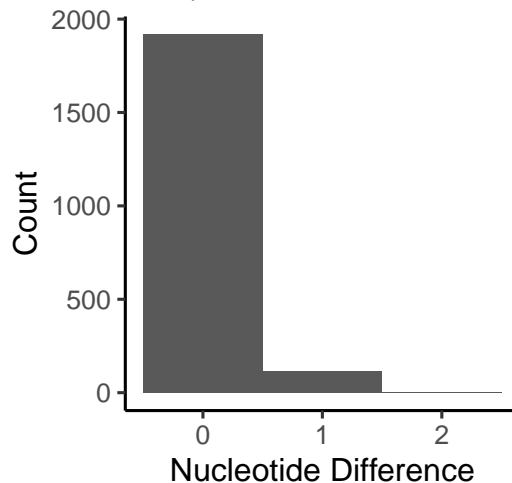
TRBV6–9*ap01

228 sequences assigned
133 (58.3%) exact matches, in which:
131 unique CDR3
13 unique J



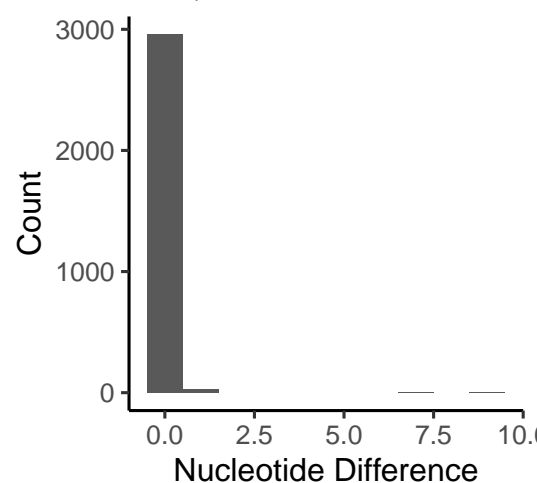
TRBV6–56*ap02

2037 sequences assigned
1918 (94.2%) exact matches, in which:
1873 unique CDR3
13 unique J



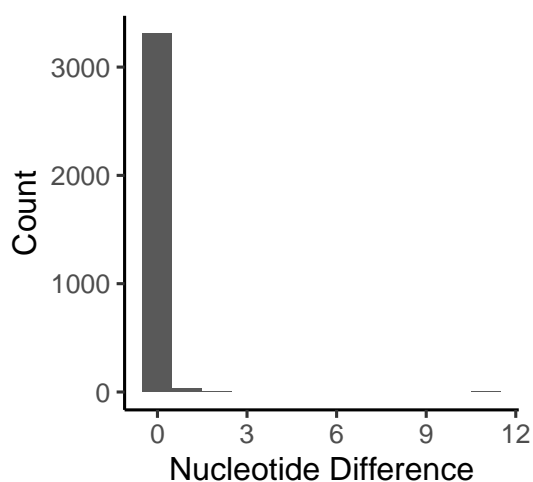
TRBV7–3*ap01

2992 sequences assigned
2958 (98.9%) exact matches, in which:
2898 unique CDR3
13 unique J



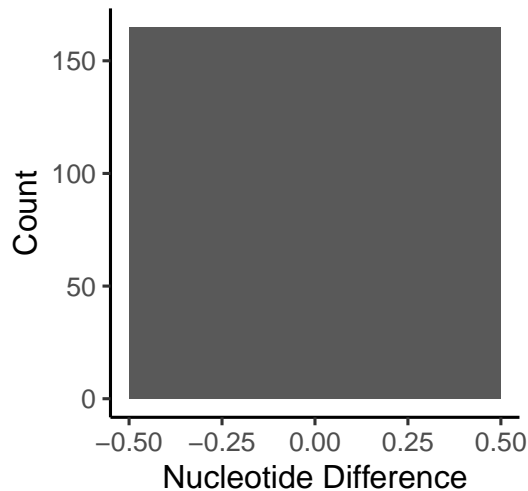
TRBV6–23*ap01

3348 sequences assigned
3308 (98.8%) exact matches, in which:
3243 unique CDR3
13 unique J



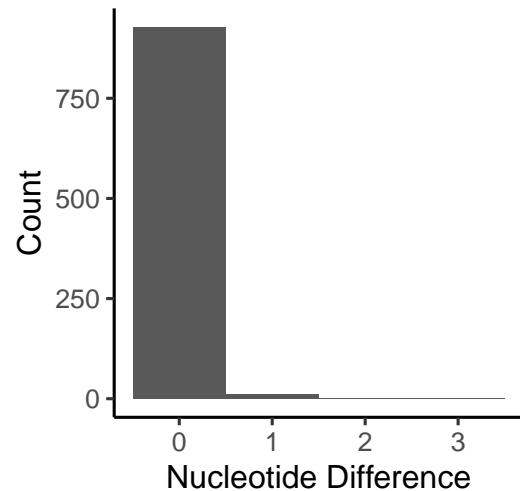
TRBV7–1*ap01_G291C_

165 sequences assigned
165 (100%) exact matches, in which:
164 unique CDR3
13 unique J



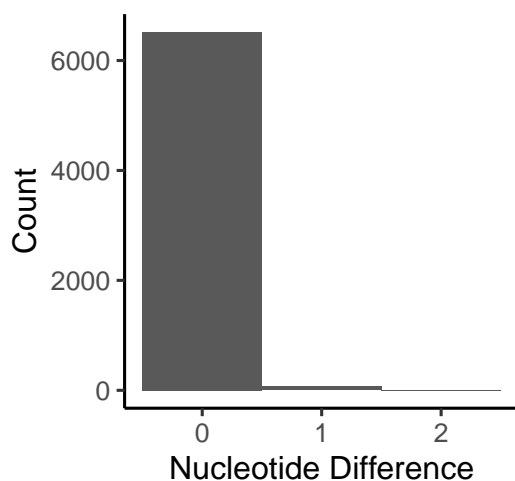
TRBV7–3*ap02

943 sequences assigned
928 (98.4%) exact matches, in which:
913 unique CDR3
13 unique J



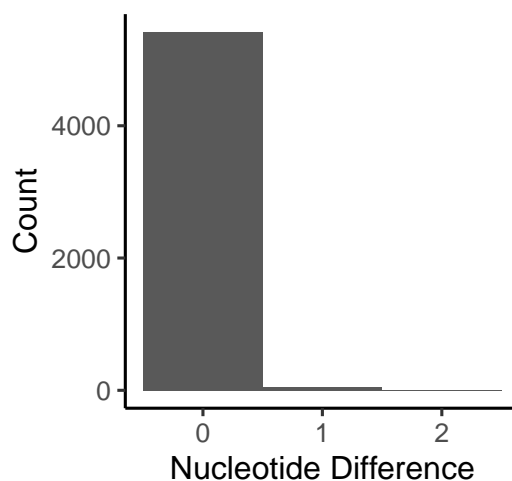
TRBV6–56*ap01

6594 sequences assigned
6518 (98.8%) exact matches, in which:
6374 unique CDR3
13 unique J



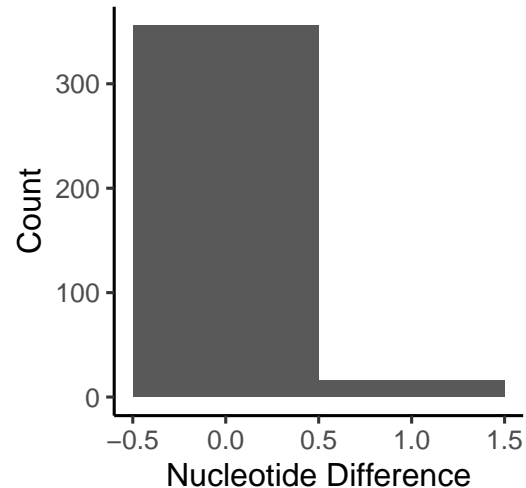
TRBV7–2*ap01

5470 sequences assigned
5417 (99%) exact matches, in which:
5359 unique CDR3
13 unique J



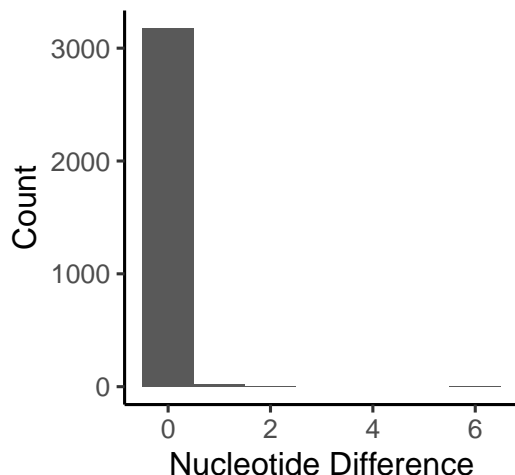
TRBV7–4*ap01

372 sequences assigned
356 (95.7%) exact matches, in which:
351 unique CDR3
13 unique J



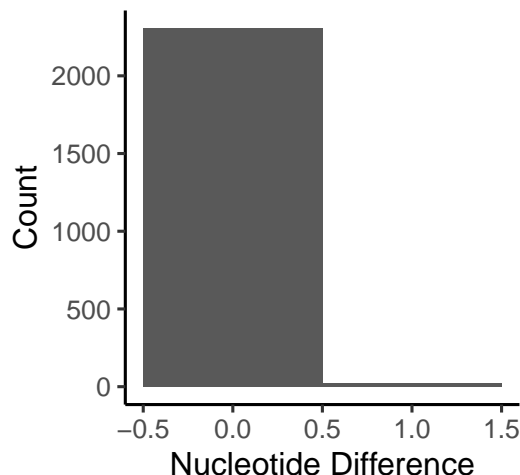
TRBV7-6*ap01

3200 sequences assigned
3175 (99.2%) exact matches, in which:
3128 unique CDR3
13 unique J



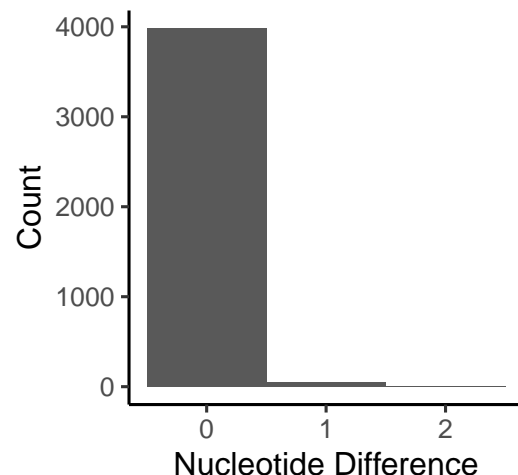
TRBV7-8*ap01

2327 sequences assigned
2305 (99.1%) exact matches, in which:
2269 unique CDR3
13 unique J



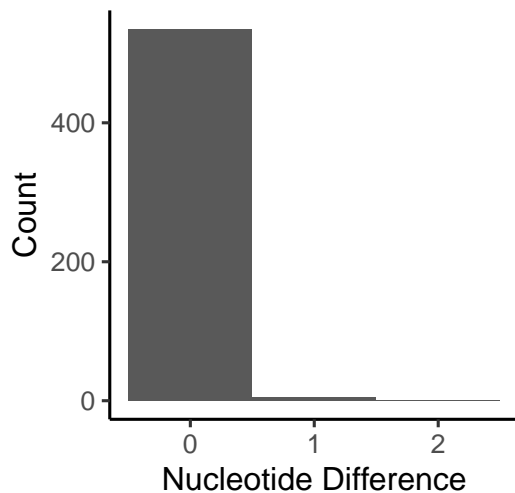
TRBV29-1*ap01

4037 sequences assigned
3982 (98.6%) exact matches, in which:
3909 unique CDR3
13 unique J



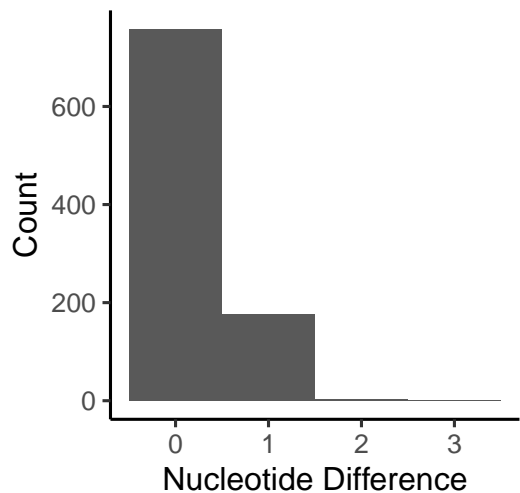
TRBV7-7*ap01

541 sequences assigned
535 (98.9%) exact matches, in which:
526 unique CDR3
13 unique J



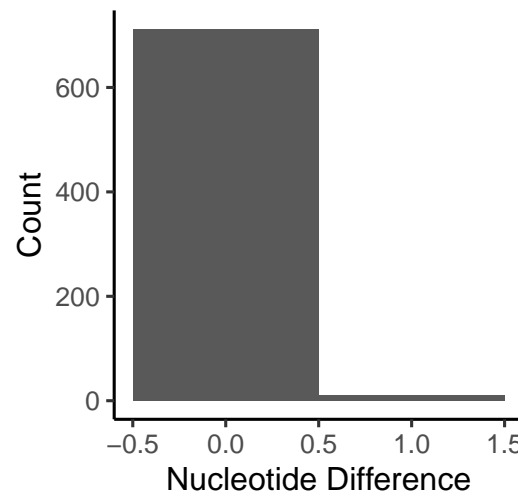
TRBV7-8*ap03

938 sequences assigned
758 (80.8%) exact matches, in which:
749 unique CDR3
13 unique J



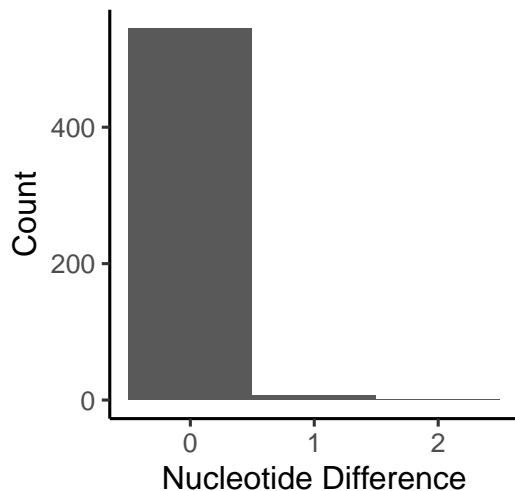
TRBV29-1*ap02

722 sequences assigned
712 (98.6%) exact matches, in which:
694 unique CDR3
13 unique J



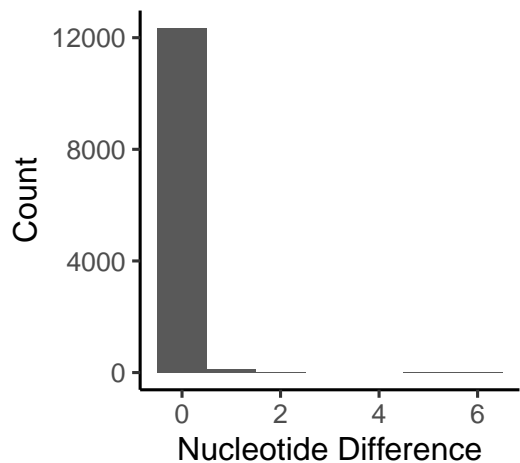
TRBV7-7*ap01_C315T

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

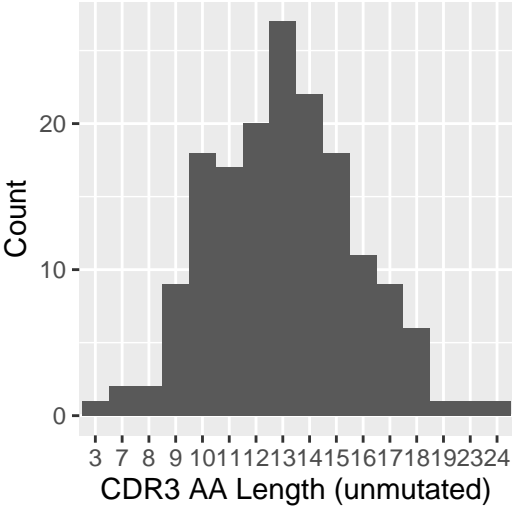


TRBV7-9*ap01

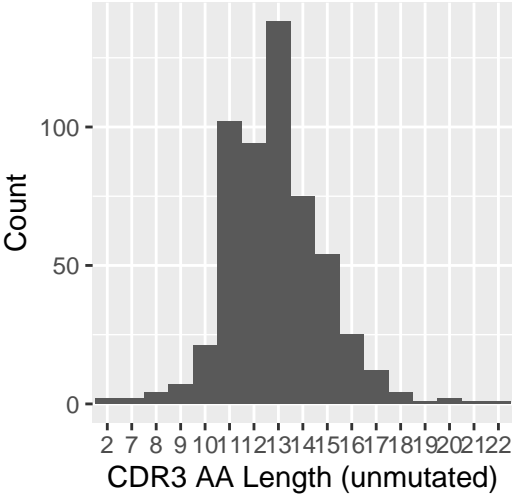
12485 sequences assigned
12355 (99%) exact matches, in which:
12164 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]