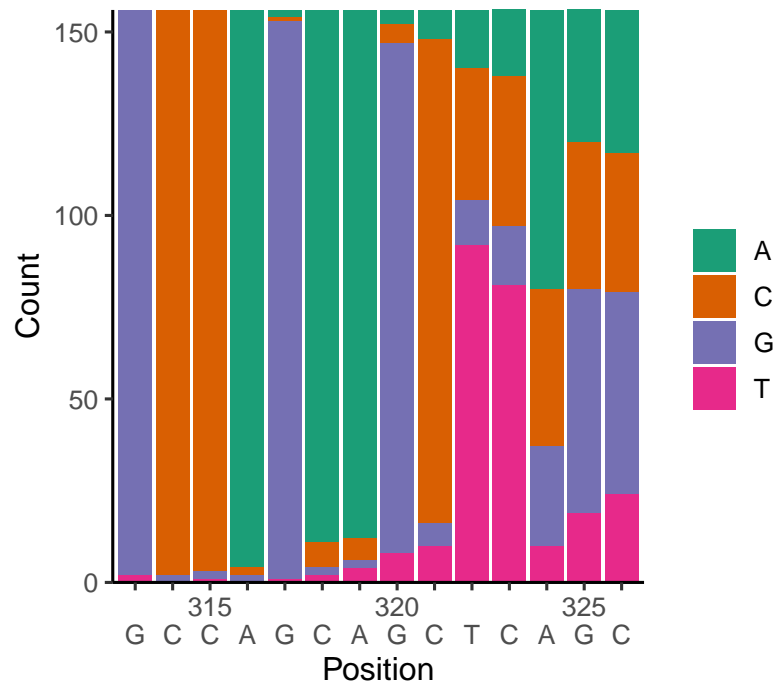
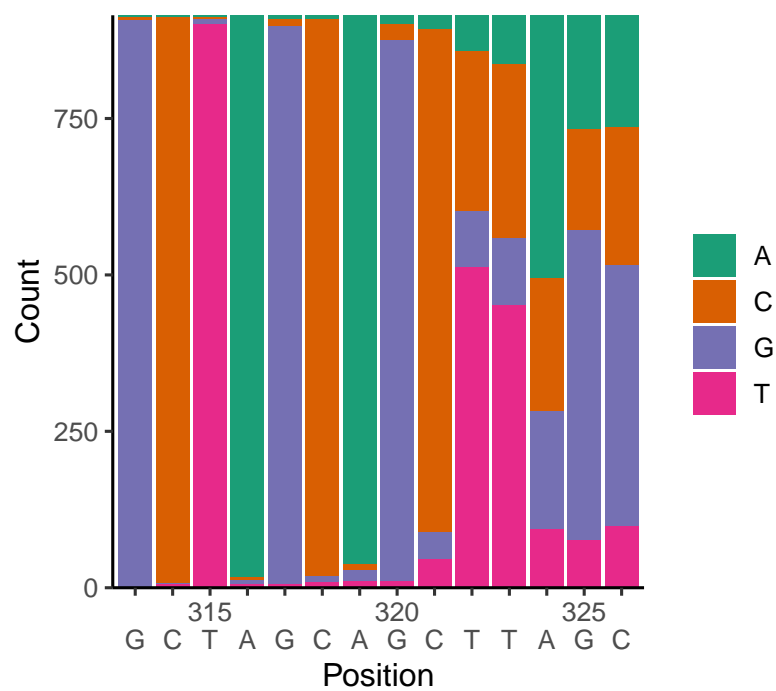


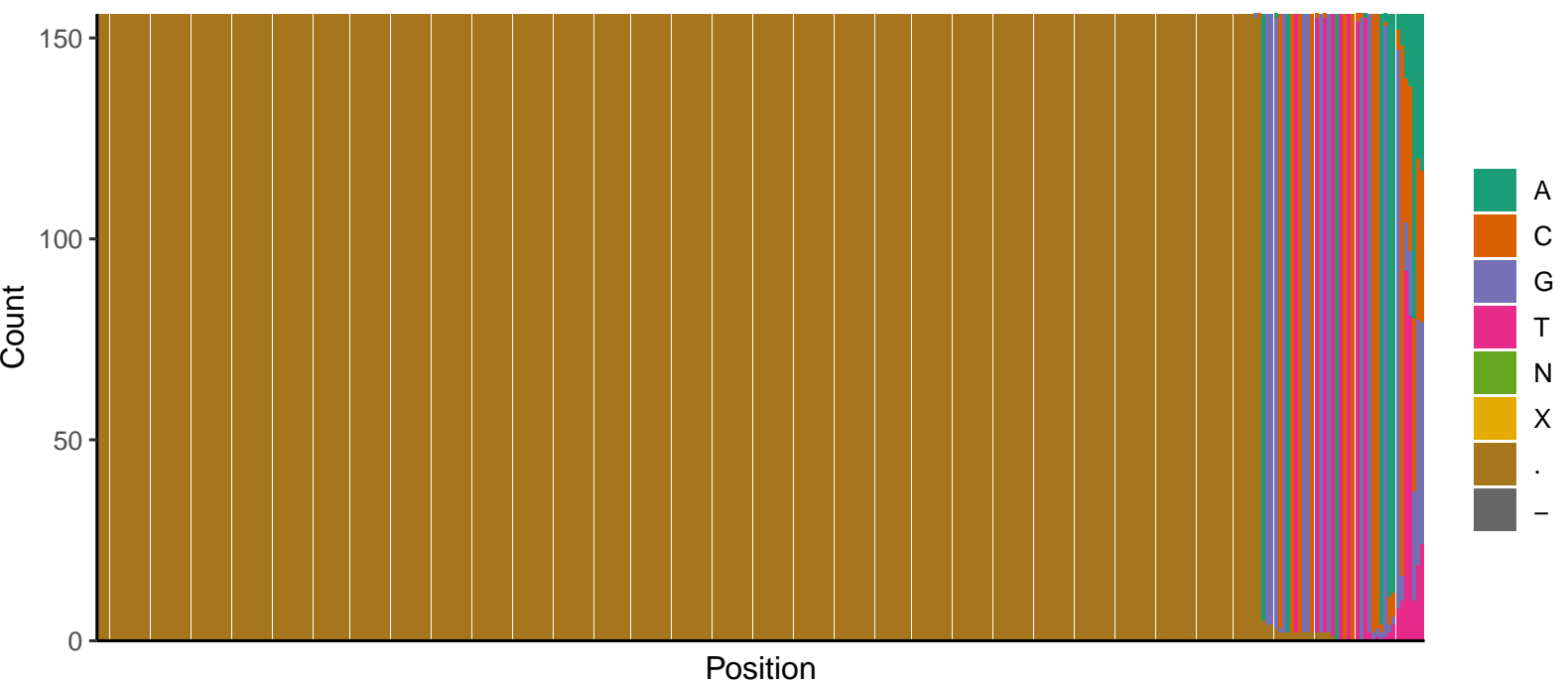
Gene TRBV7-1*ap01_G291C_T296C



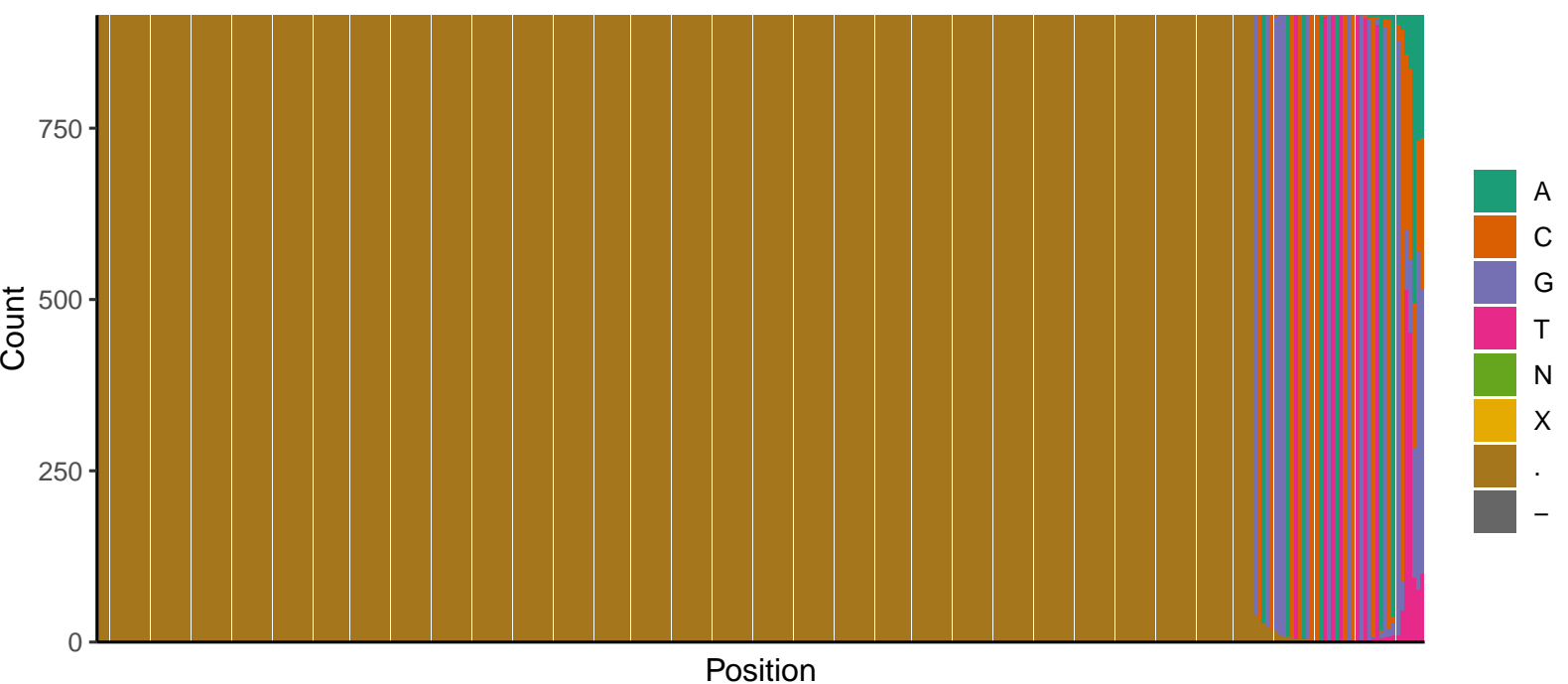
Gene TRBV7-7*ap01_C315T



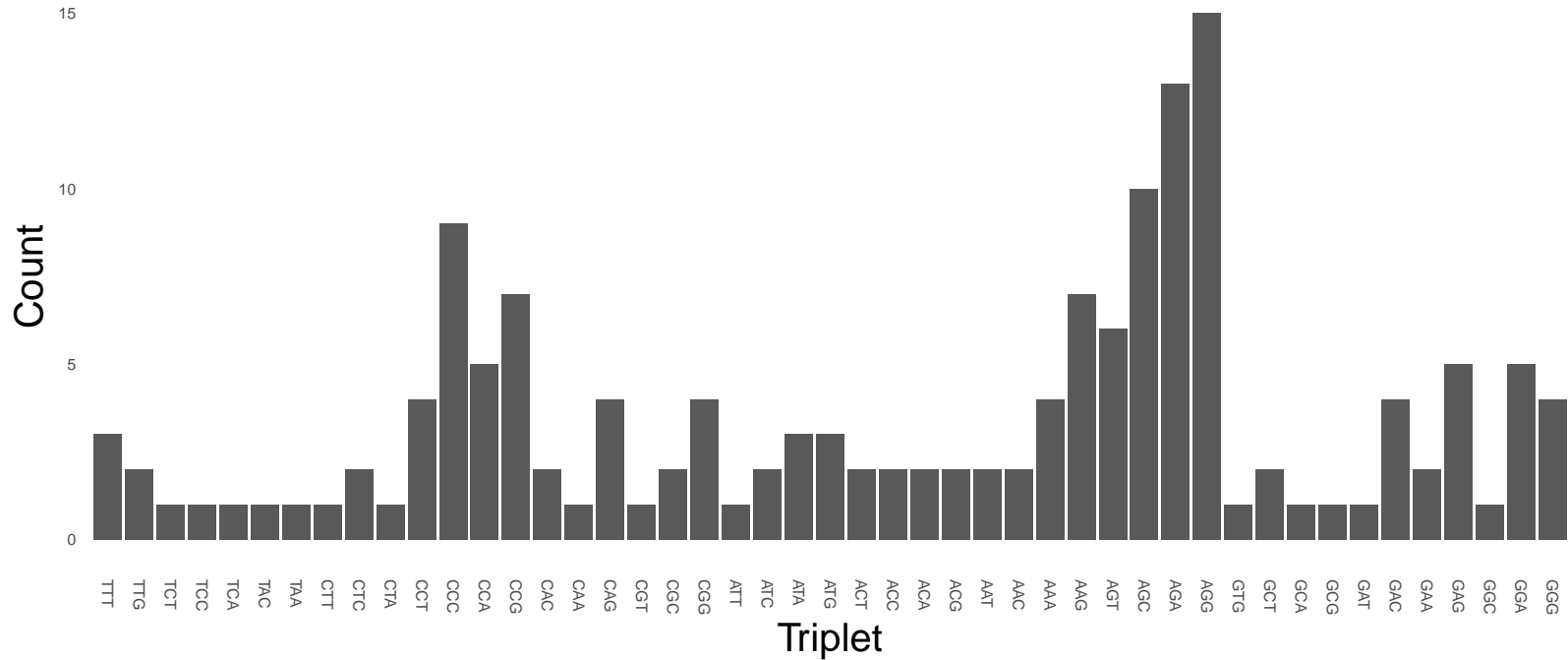
Gene TRBV7-1*ap01_G291C_T296C



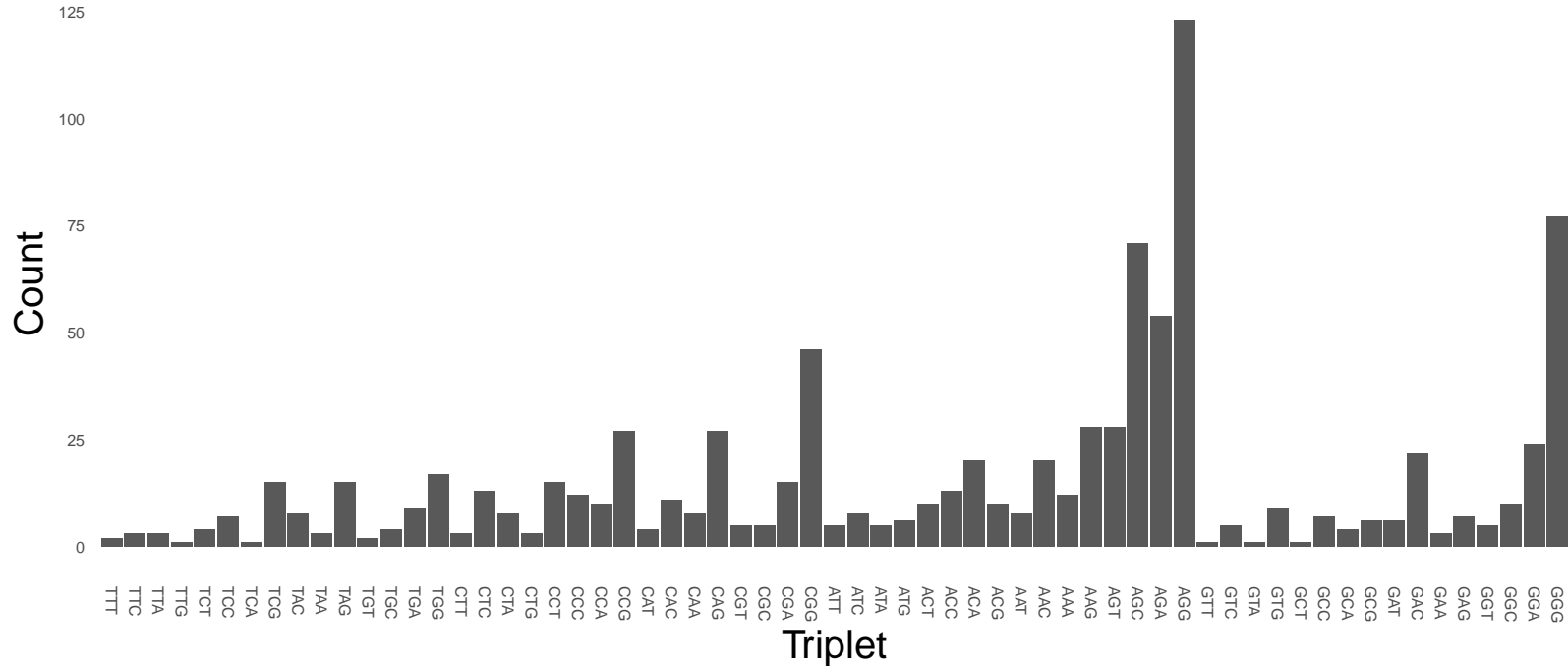
Gene TRBV7-7*ap01_C315T



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

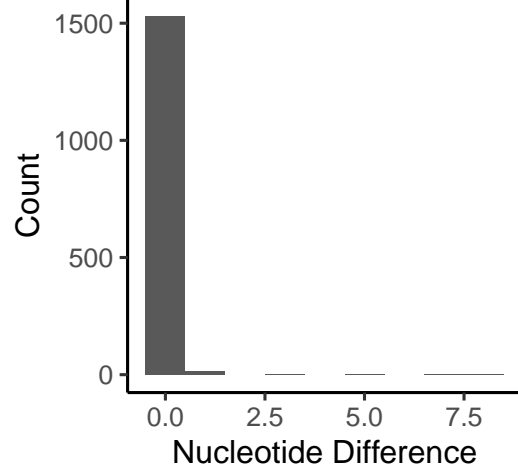


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



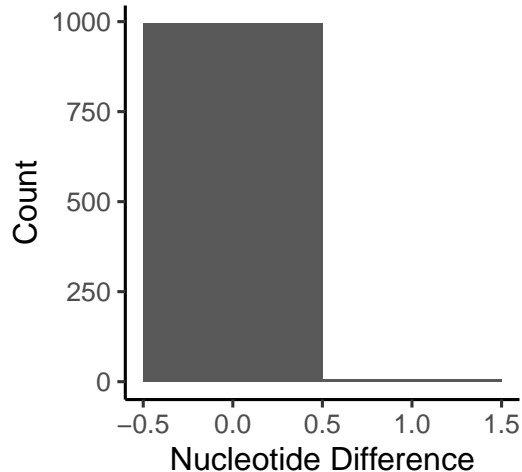
TRBV10-1*ap01

1552 sequences assigned
1529 (98.5%) exact matches, in which:
1503 unique CDR3
13 unique J



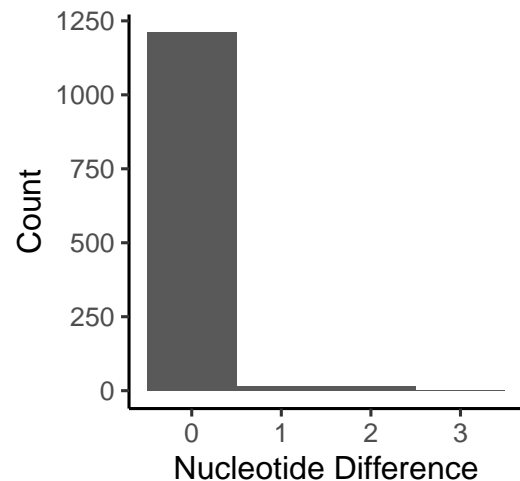
TRBV10-2*ap01

1001 sequences assigned
995 (99.4%) exact matches, in which:
959 unique CDR3
13 unique J



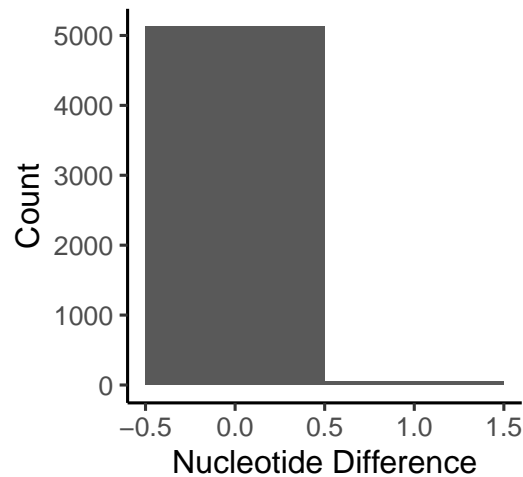
TRBV13*ap01

1243 sequences assigned
1211 (97.4%) exact matches, in which:
1181 unique CDR3
13 unique J



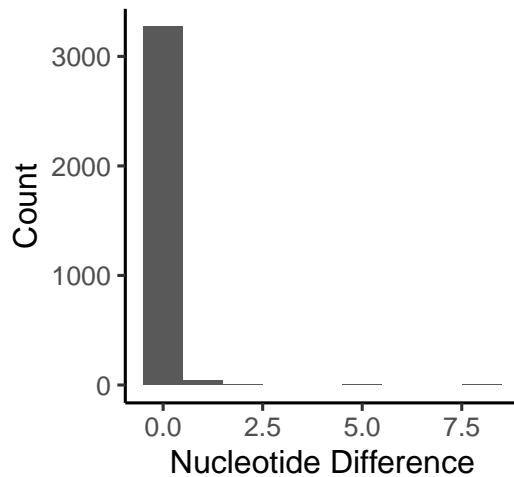
TRBV20-1*ap01

5181 sequences assigned
5125 (98.9%) exact matches, in which:
5046 unique CDR3
13 unique J



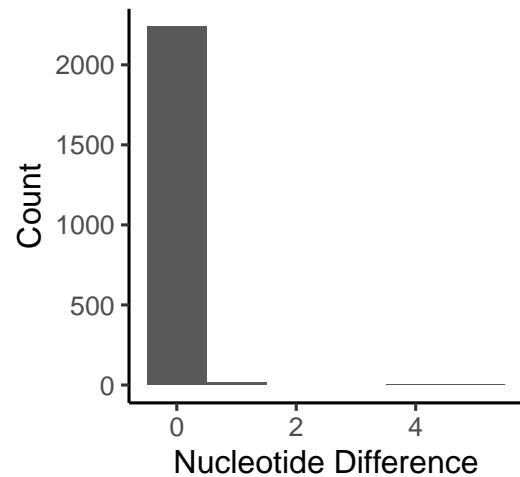
TRBV10-3*ap01

3313 sequences assigned
3271 (98.7%) exact matches, in which:
3195 unique CDR3
13 unique J



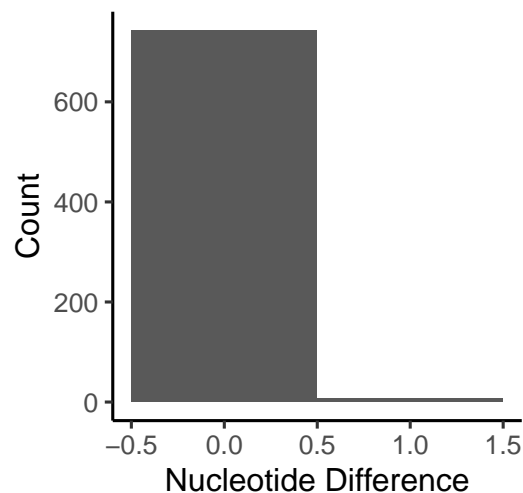
TRBV14*ap01

2257 sequences assigned
2238 (99.2%) exact matches, in which:
2196 unique CDR3
13 unique J



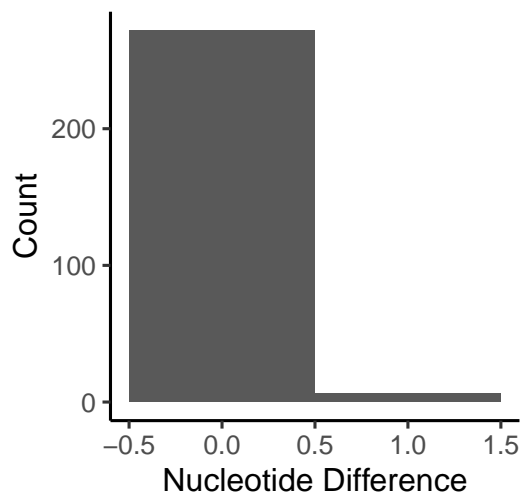
TRBV20-1*ap02

750 sequences assigned
743 (99.1%) exact matches, in which:
735 unique CDR3
13 unique J



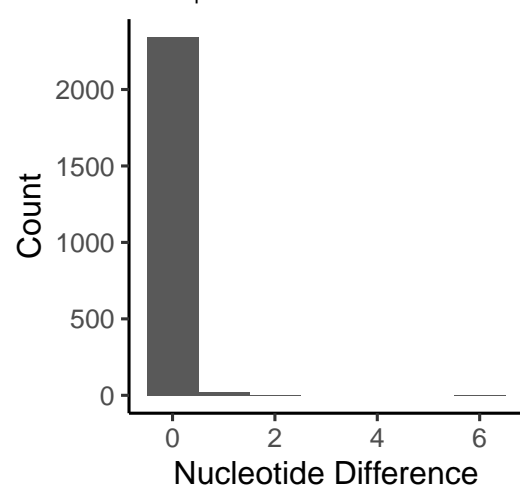
TRBV1*ap01

278 sequences assigned
272 (97.8%) exact matches, in which:
267 unique CDR3
13 unique J



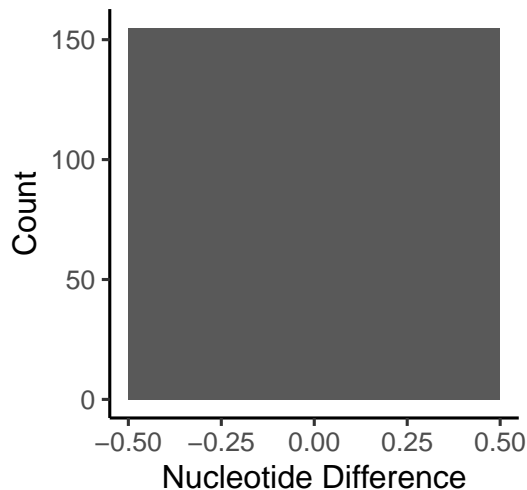
TRBV15*ap02

2366 sequences assigned
2343 (99%) exact matches, in which:
2288 unique CDR3
13 unique J



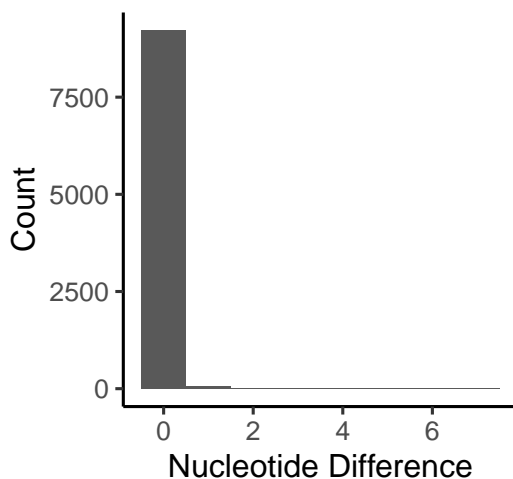
TRBV16*ap01

155 sequences assigned
155 (100%) exact matches, in which:
152 unique CDR3
13 unique J



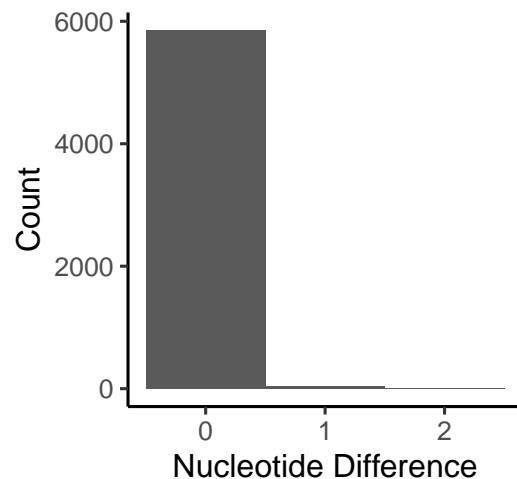
TRBV19*ap01

9290 sequences assigned
9217 (99.2%) exact matches, in which:
9095 unique CDR3
13 unique J



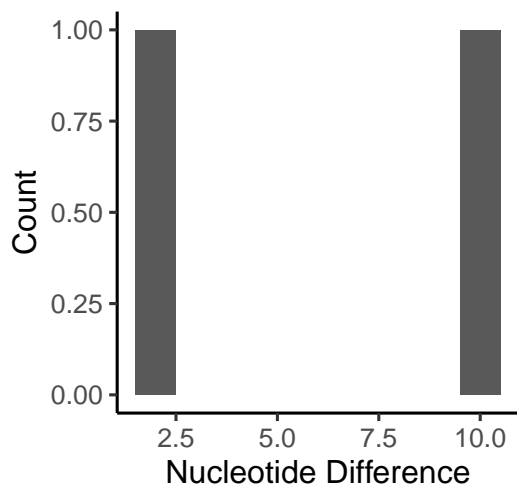
TRBV28*ap01

5902 sequences assigned
5851 (99.1%) exact matches, in which:
5740 unique CDR3
13 unique J



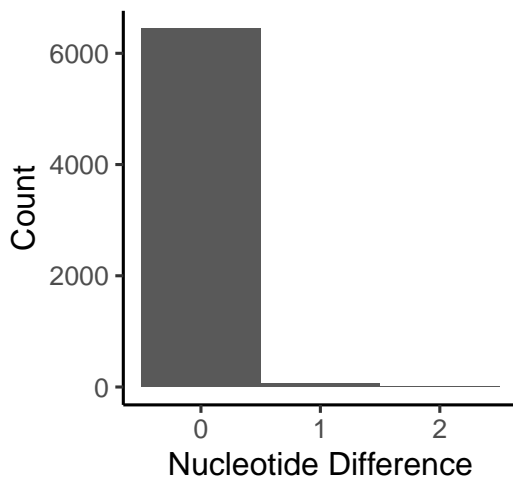
TRBV17*ap01

2 sequences assigned
No exact matches.



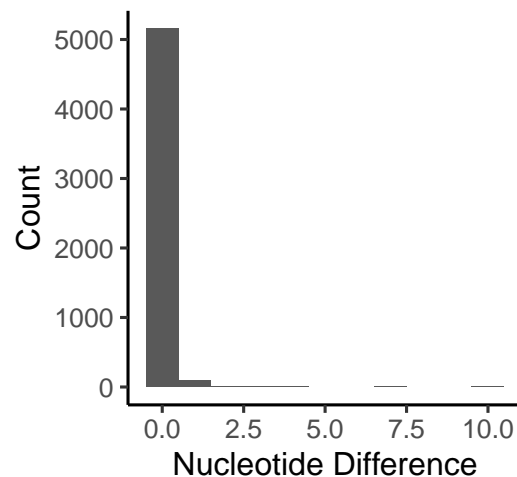
TRBV2*ap01

6500 sequences assigned
6442 (99.1%) exact matches, in which:
6280 unique CDR3
13 unique J



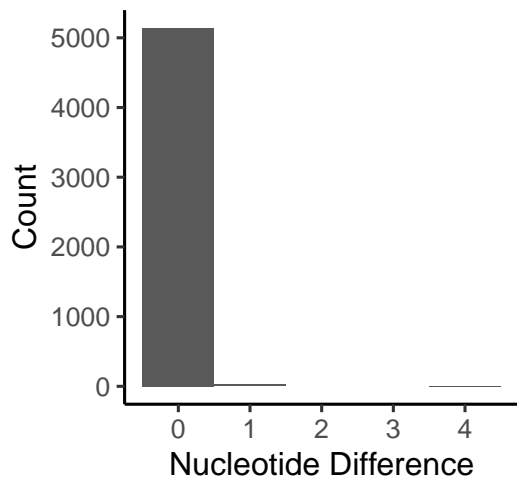
TRBV30*ap01

5259 sequences assigned
5155 (98%) exact matches, in which:
5023 unique CDR3
13 unique J



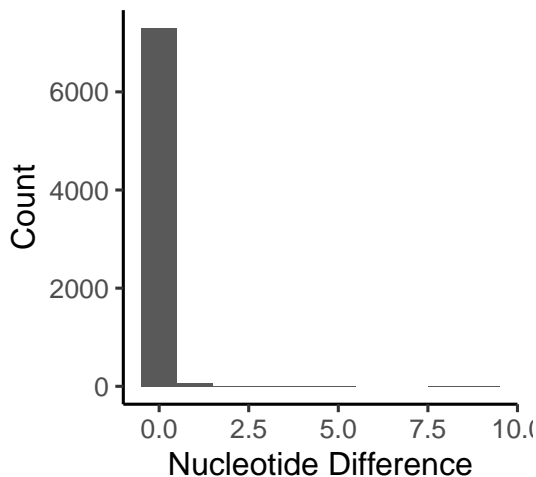
TRBV18*ap01

5168 sequences assigned
5140 (99.5%) exact matches, in which:
5061 unique CDR3
13 unique J



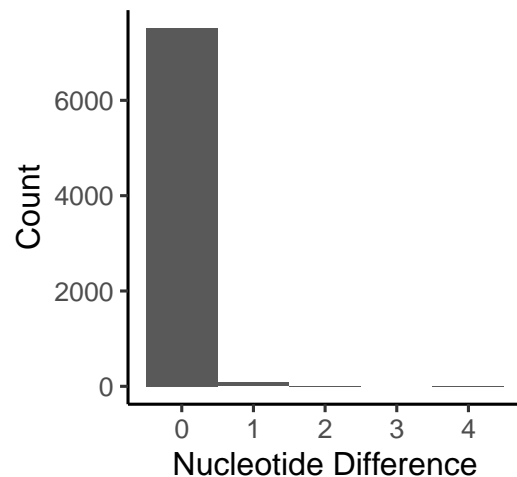
TRBV27*ap01

7376 sequences assigned
7300 (99%) exact matches, in which:
7095 unique CDR3
13 unique J



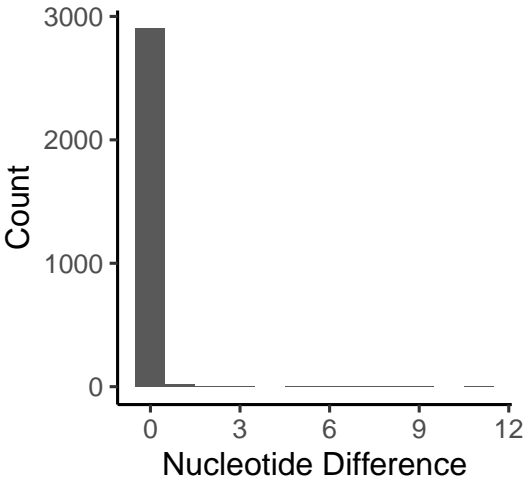
TRBV9*ap01

7598 sequences assigned
7517 (98.9%) exact matches, in which:
7407 unique CDR3
13 unique J



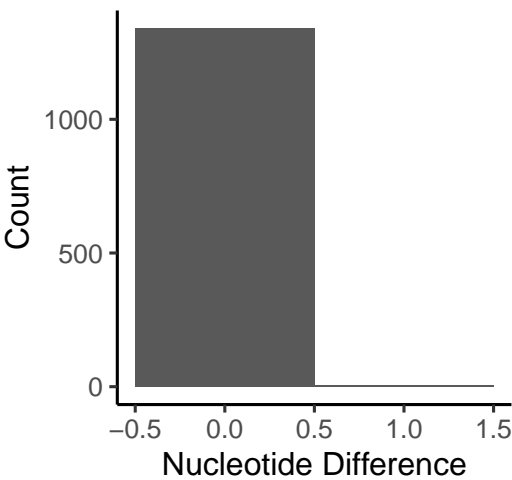
TRBV21-1*ap01

2935 sequences assigned
2903 (98.9%) exact matches, in which:
2875 unique CDR3
13 unique J



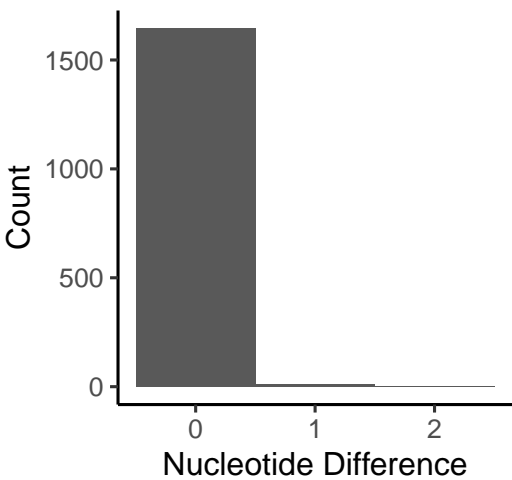
TRBV11-3*ap01

1345 sequences assigned
1340 (99.6%) exact matches, in which:
1334 unique CDR3
13 unique J



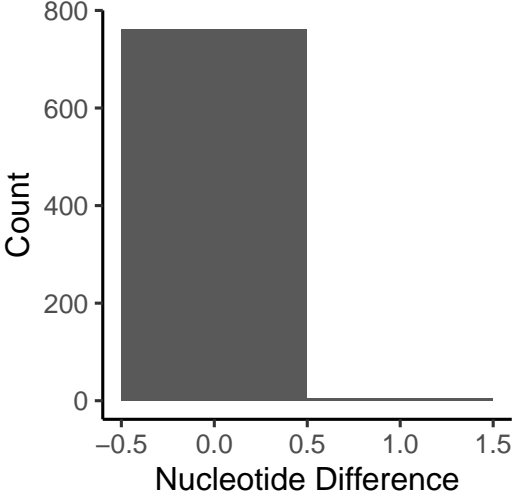
TRBV12-5*ap01

1658 sequences assigned
1645 (99.2%) exact matches, in which:
1612 unique CDR3
13 unique J



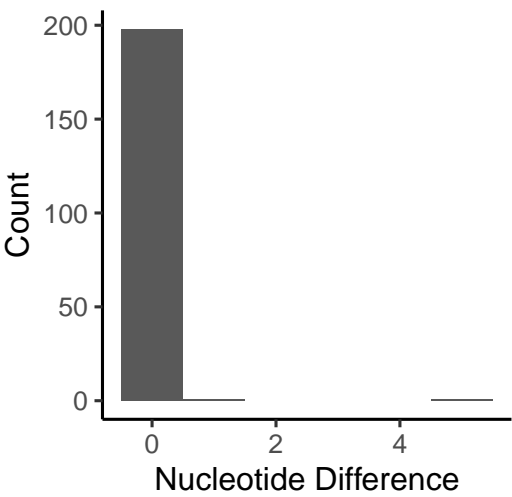
TRBV11-1*ap01

767 sequences assigned
762 (99.3%) exact matches, in which:
753 unique CDR3
13 unique J



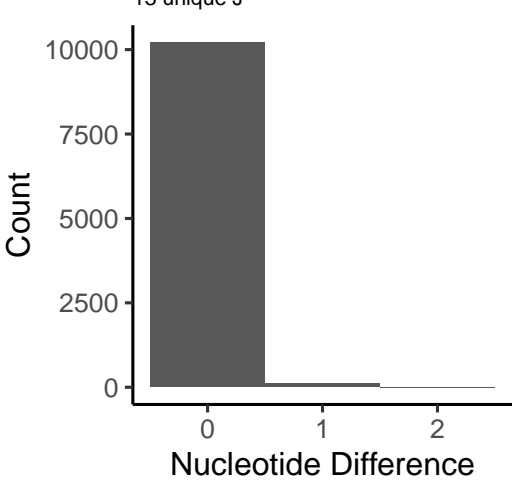
TRBV12-1*ap01

200 sequences assigned
198 (99%) exact matches, in which:
195 unique CDR3
13 unique J



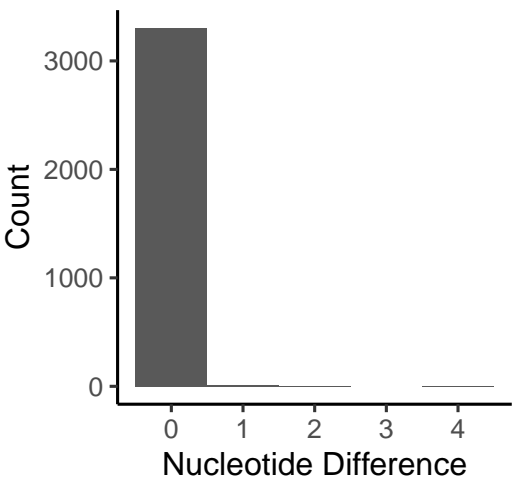
TRBV12-34*ap01

10331 sequences assigned
10212 (98.8%) exact matches, in which:
9980 unique CDR3
13 unique J



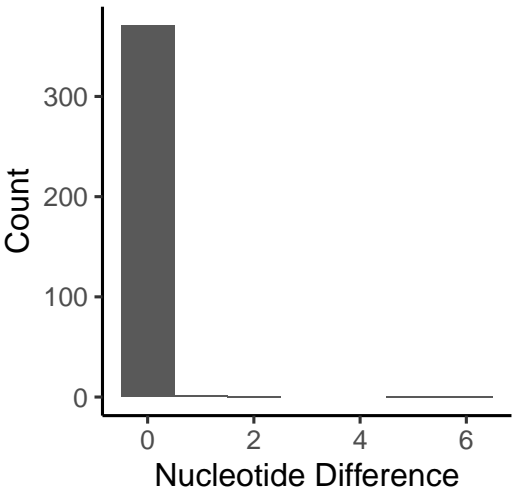
TRBV11-2*ap01

3321 sequences assigned
3303 (99.5%) exact matches, in which:
3265 unique CDR3
13 unique J



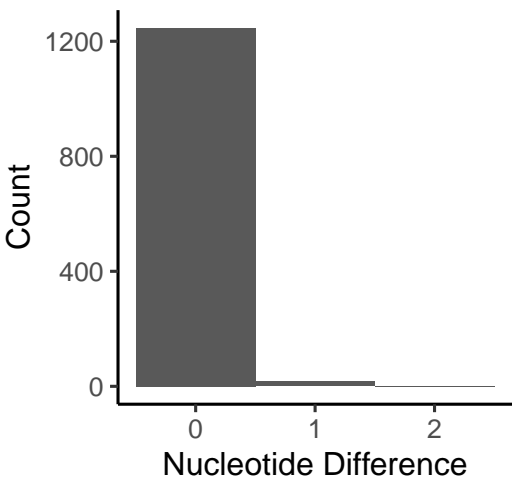
TRBV12-2*ap01

376 sequences assigned
371 (98.7%) exact matches, in which:
367 unique CDR3
13 unique J



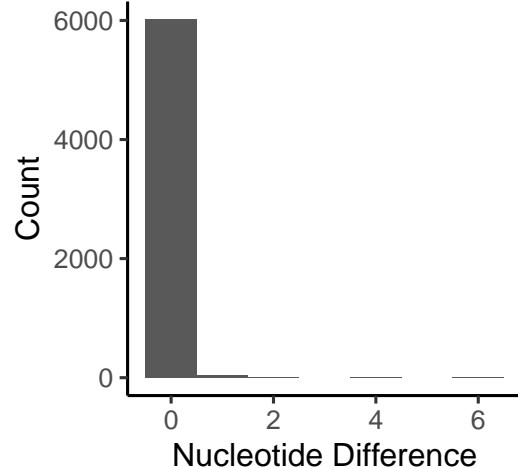
TRBV23-1*ap01

1264 sequences assigned
1246 (98.6%) exact matches, in which:
1217 unique CDR3
13 unique J



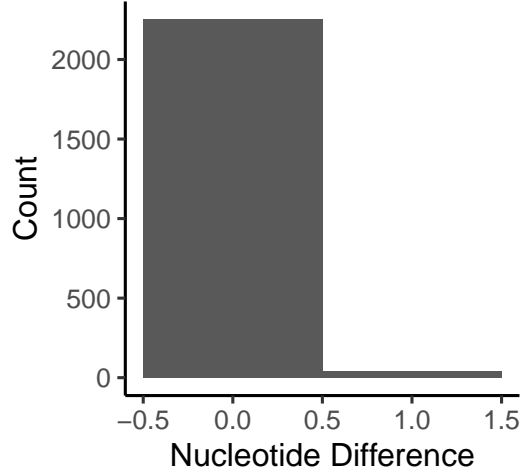
TRBV3–12*ap01

6064 sequences assigned
6018 (99.2%) exact matches, in which:
5940 unique CDR3
13 unique J



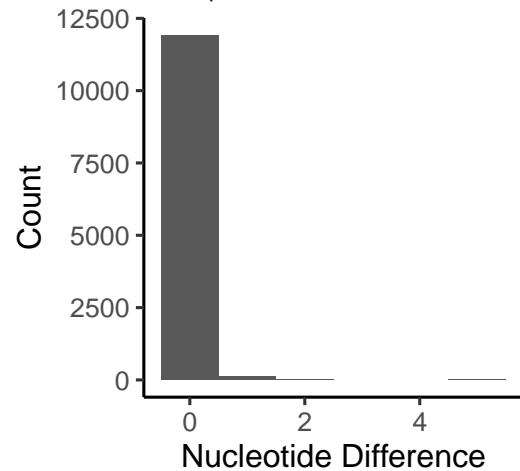
TRBV4–2*ap01

2295 sequences assigned
2252 (98.1%) exact matches, in which:
2193 unique CDR3
13 unique J



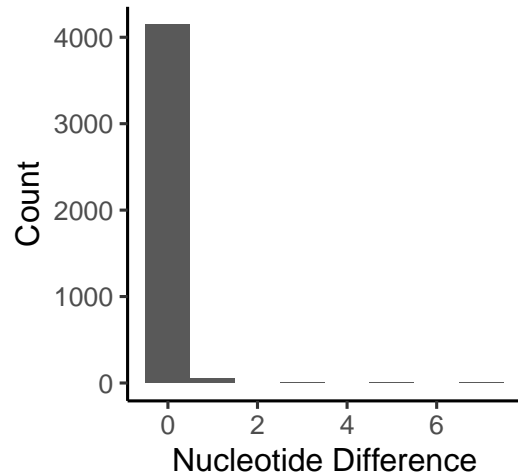
TRBV5–1*ap01

12057 sequences assigned
11919 (98.9%) exact matches, in which:
11548 unique CDR3
13 unique J



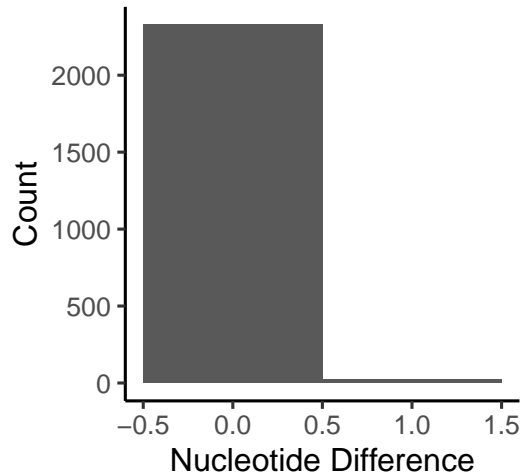
TRBV4–1*ap01

4198 sequences assigned
4145 (98.7%) exact matches, in which:
4008 unique CDR3
13 unique J



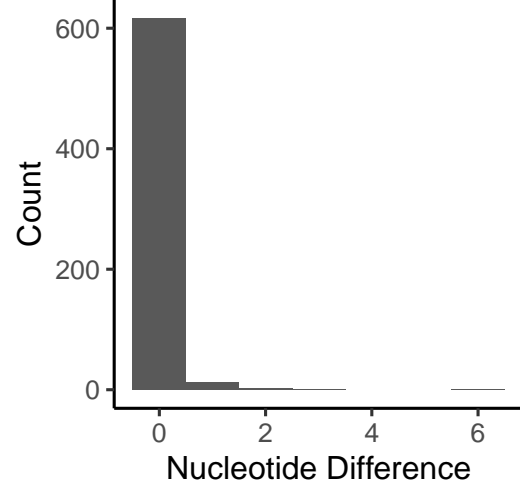
TRBV4–3*ap01

2350 sequences assigned
2328 (99.1%) exact matches, in which:
2265 unique CDR3
13 unique J



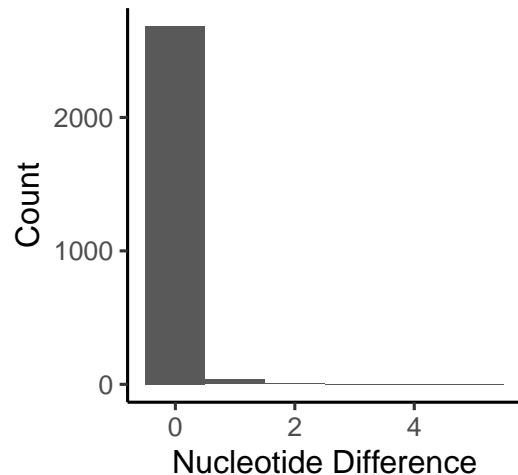
TRBV5–3*ap01

634 sequences assigned
617 (97.3%) exact matches, in which:
606 unique CDR3
13 unique J



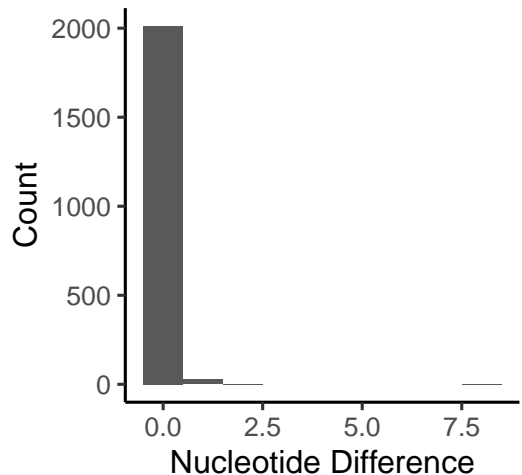
TRBV24–1*ap01

2734 sequences assigned
2685 (98.2%) exact matches, in which:
2615 unique CDR3
13 unique J



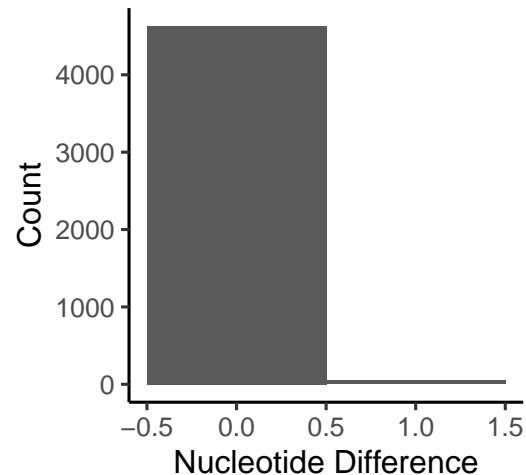
TRBV25–1*ap01

2043 sequences assigned
2012 (98.5%) exact matches, in which:
1957 unique CDR3
13 unique J



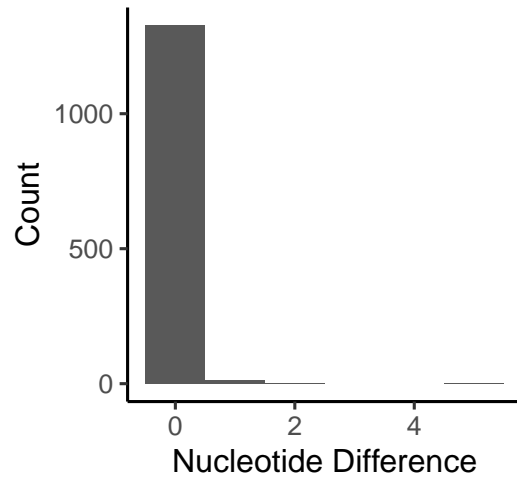
TRBV5–4*ap01

4680 sequences assigned
4630 (98.9%) exact matches, in which:
4501 unique CDR3
13 unique J



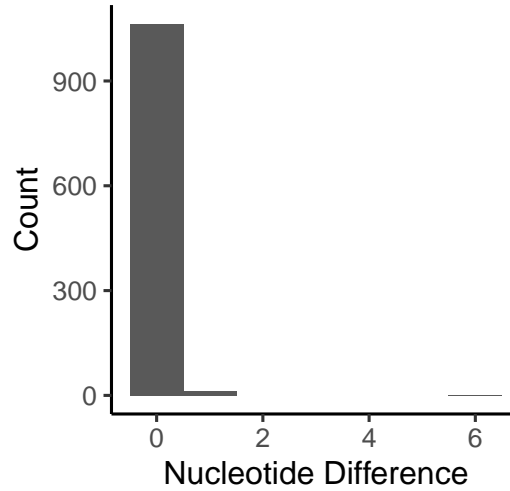
TRBV5-5*ap01

1341 sequences assigned
1327 (99%) exact matches, in which:
1316 unique CDR3
13 unique J



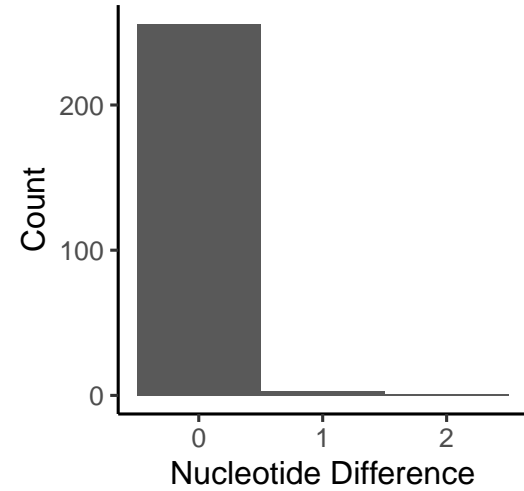
TRBV5-8*ap01

1078 sequences assigned
1064 (98.7%) exact matches, in which:
1036 unique CDR3
13 unique J



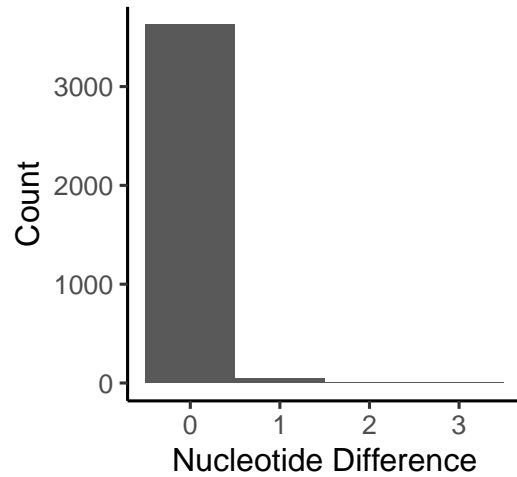
TRBV6-7*ap01

260 sequences assigned
256 (98.5%) exact matches, in which:
249 unique CDR3
13 unique J



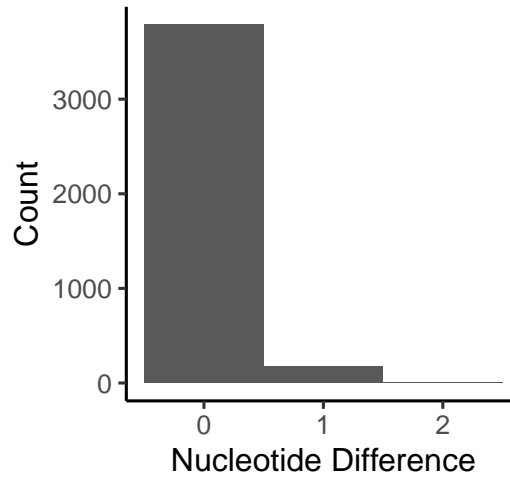
TRBV5-6*ap01

3674 sequences assigned
3626 (98.7%) exact matches, in which:
3503 unique CDR3
13 unique J



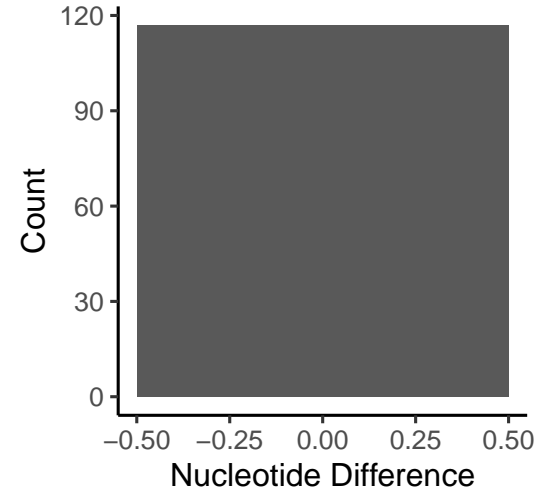
TRBV6-1*ap01

3966 sequences assigned
3787 (95.5%) exact matches, in which:
3671 unique CDR3
13 unique J



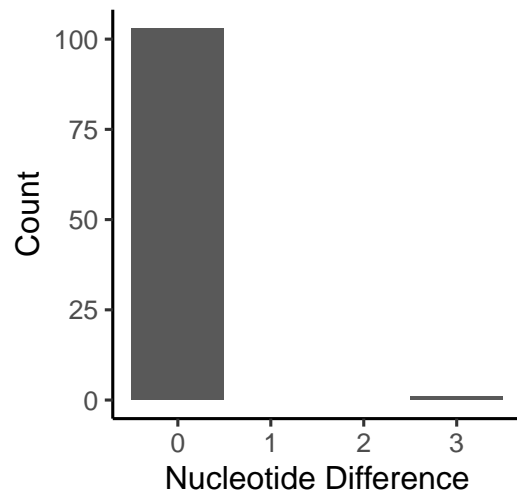
TRBV6-8*ap01

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



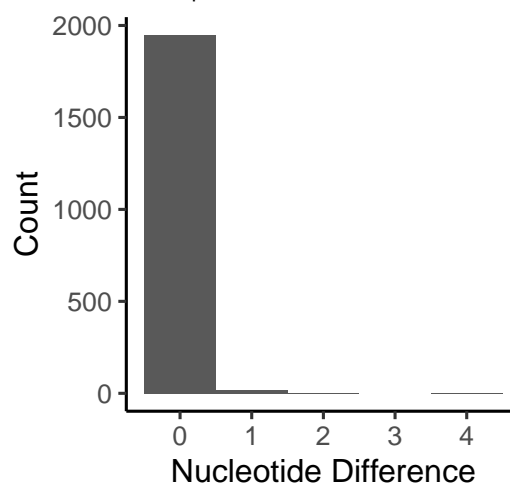
TRBV5-7*ap01

104 sequences assigned
103 (99%) exact matches, in which:
100 unique CDR3
12 unique J



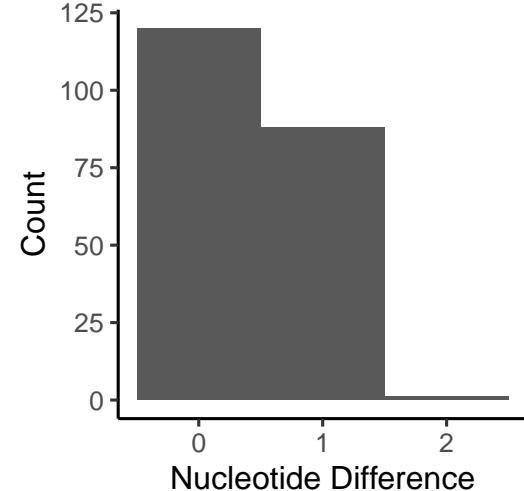
TRBV6-4*ap01

1967 sequences assigned
1948 (99%) exact matches, in which:
1907 unique CDR3
13 unique J



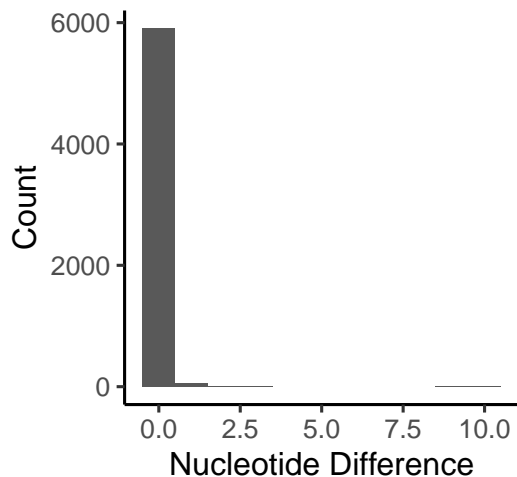
TRBV6-9*ap01

209 sequences assigned
120 (57.4%) exact matches, in which:
118 unique CDR3
13 unique J



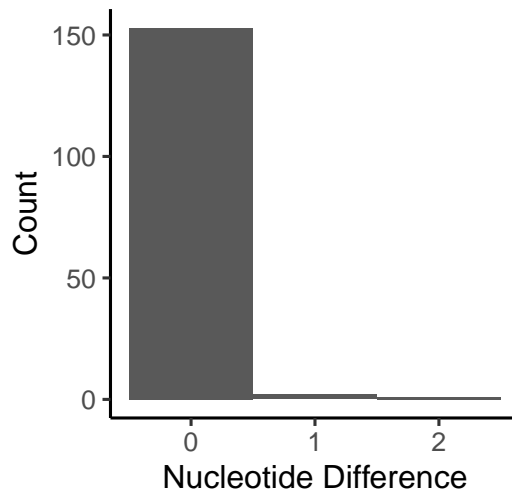
TRBV6-23*ap01

5963 sequences assigned
5905 (99%) exact matches, in which:
5699 unique CDR3
13 unique J



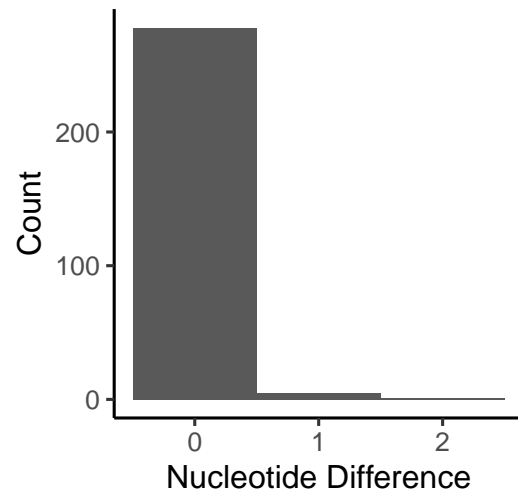
TRBV7-1*ap01_G291C_

156 sequences assigned
153 (98.1%) exact matches, in which:
152 unique CDR3
13 unique J



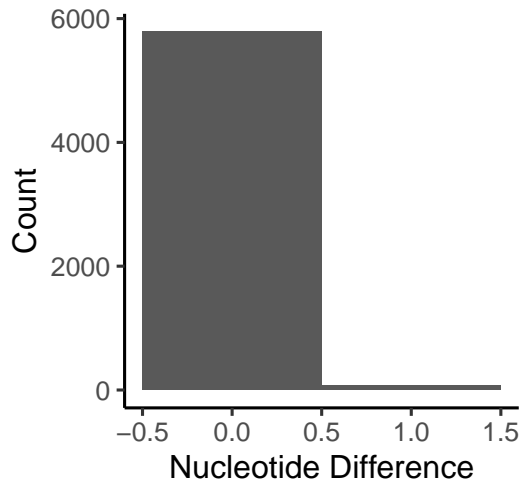
TRBV7-4*ap01

284 sequences assigned
278 (97.9%) exact matches, in which:
271 unique CDR3
13 unique J



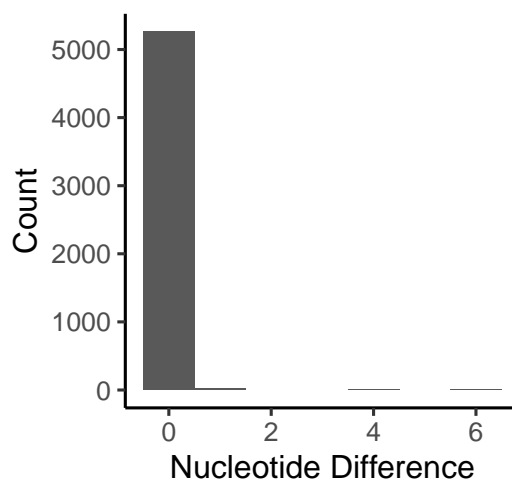
TRBV6-56*ap01

5858 sequences assigned
5788 (98.8%) exact matches, in which:
5613 unique CDR3
13 unique J



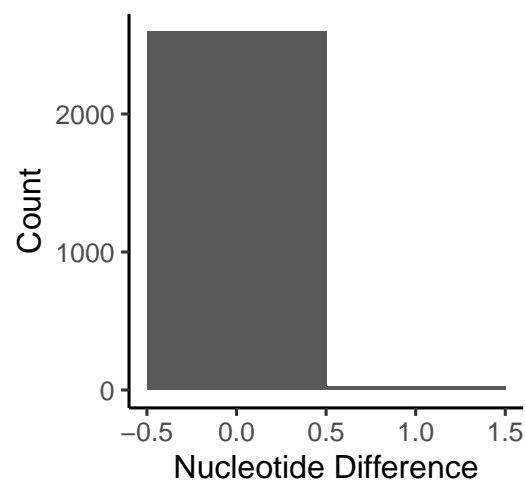
TRBV7-2*ap01

5291 sequences assigned
5261 (99.4%) exact matches, in which:
5157 unique CDR3
13 unique J



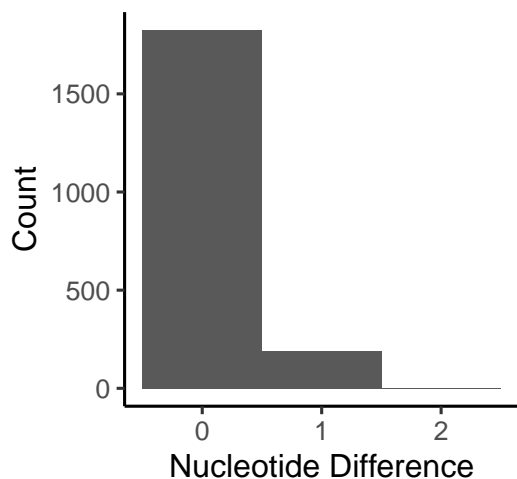
TRBV7-6*ap01

2619 sequences assigned
2596 (99.1%) exact matches, in which:
2529 unique CDR3
13 unique J



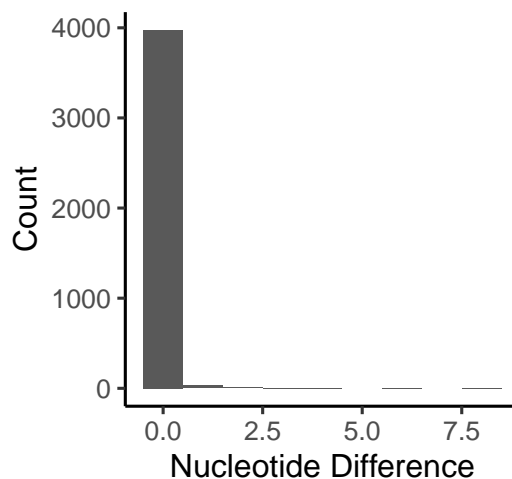
TRBV6-56*ap02

2016 sequences assigned
1825 (90.5%) exact matches, in which:
1756 unique CDR3
13 unique J



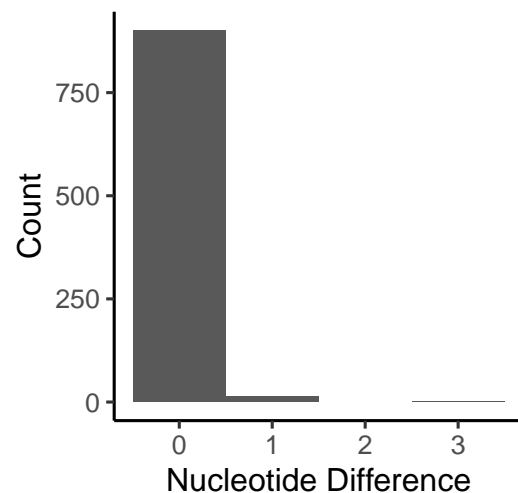
TRBV7-3*ap01

4023 sequences assigned
3975 (98.8%) exact matches, in which:
3923 unique CDR3
13 unique J



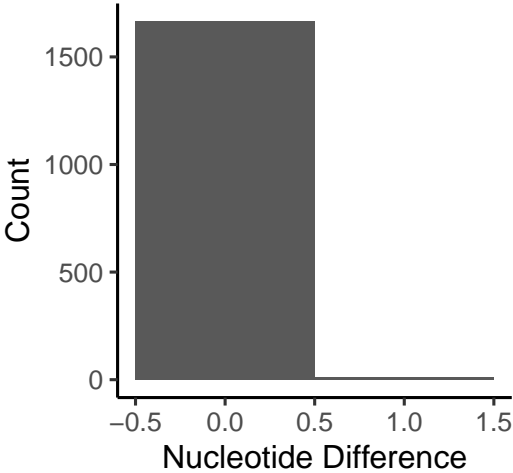
TRBV7-7*ap01_C315T

915 sequences assigned
901 (98.5%) exact matches, in which:
880 unique CDR3
13 unique J



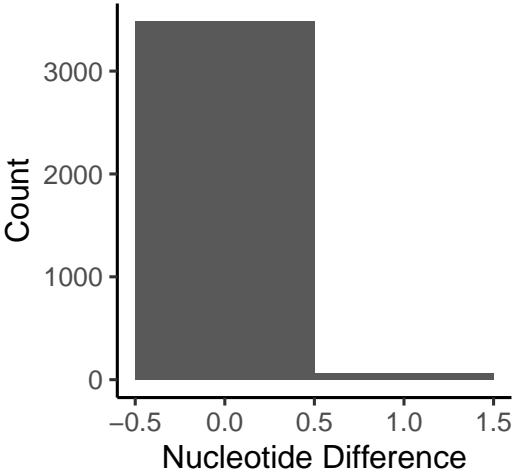
TRBV7-8*ap01

1677 sequences assigned
1665 (99.3%) exact matches, in which:
1628 unique CDR3
13 unique J



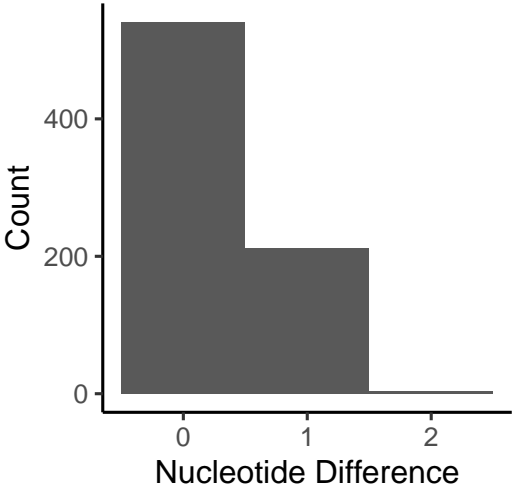
TRBV29-1*ap01

3542 sequences assigned
3483 (98.3%) exact matches, in which:
3375 unique CDR3
13 unique J



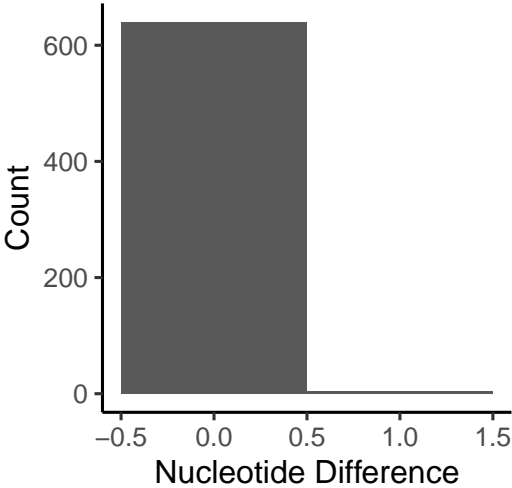
TRBV7-8*ap03

756 sequences assigned
541 (71.6%) exact matches, in which:
529 unique CDR3
13 unique J



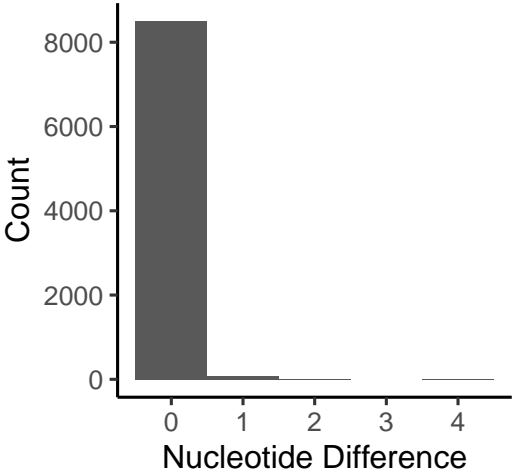
TRBV29-1*ap02

645 sequences assigned
640 (99.2%) exact matches, in which:
620 unique CDR3
13 unique J

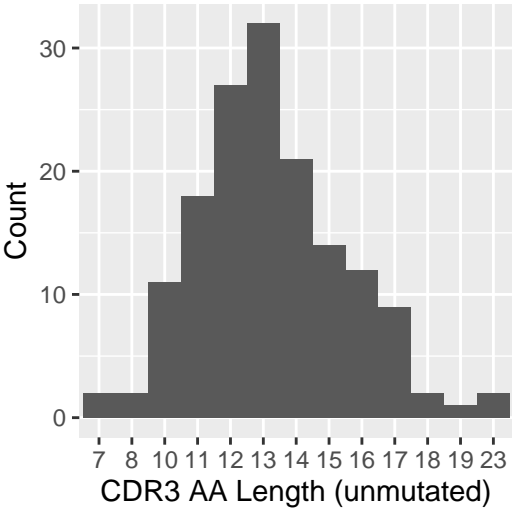


TRBV7-9*ap01

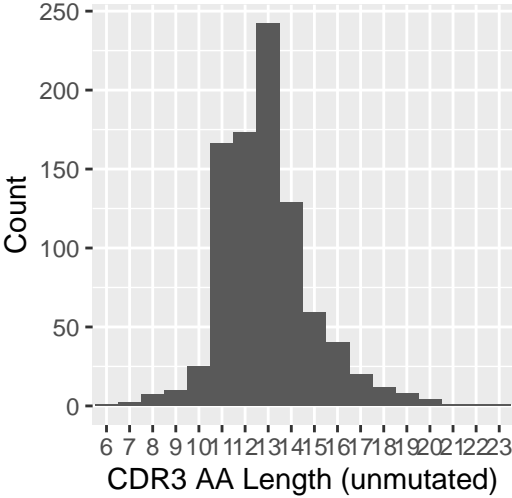
8580 sequences assigned
8503 (99.1%) exact matches, in which:
8319 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]