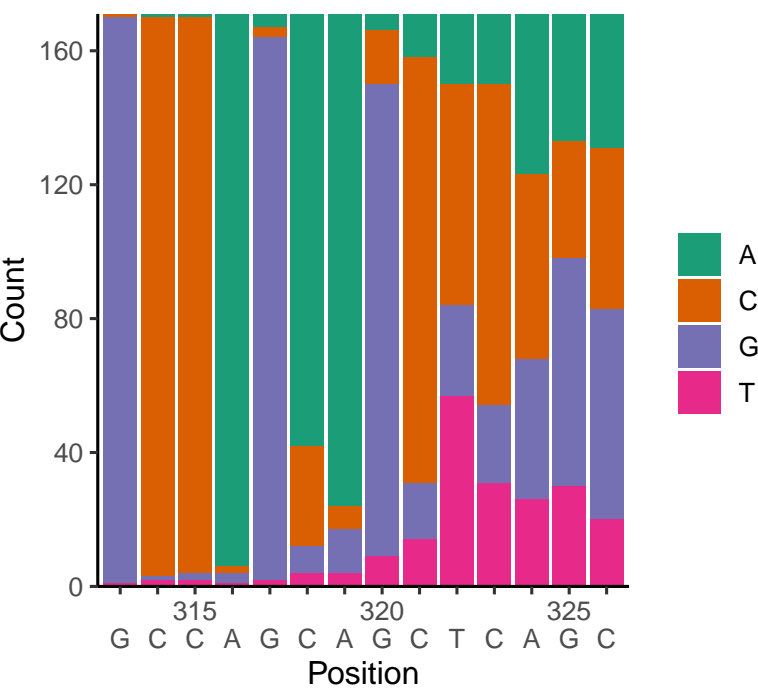
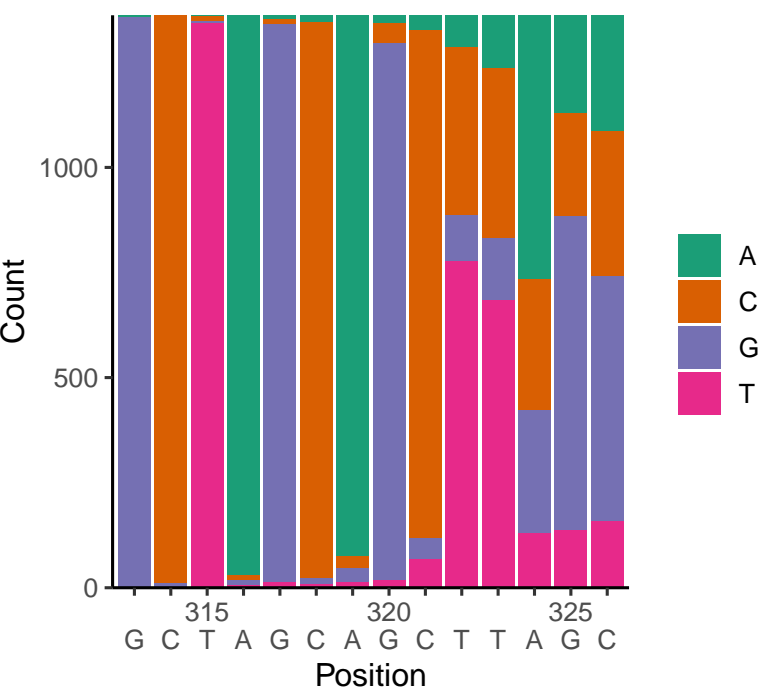


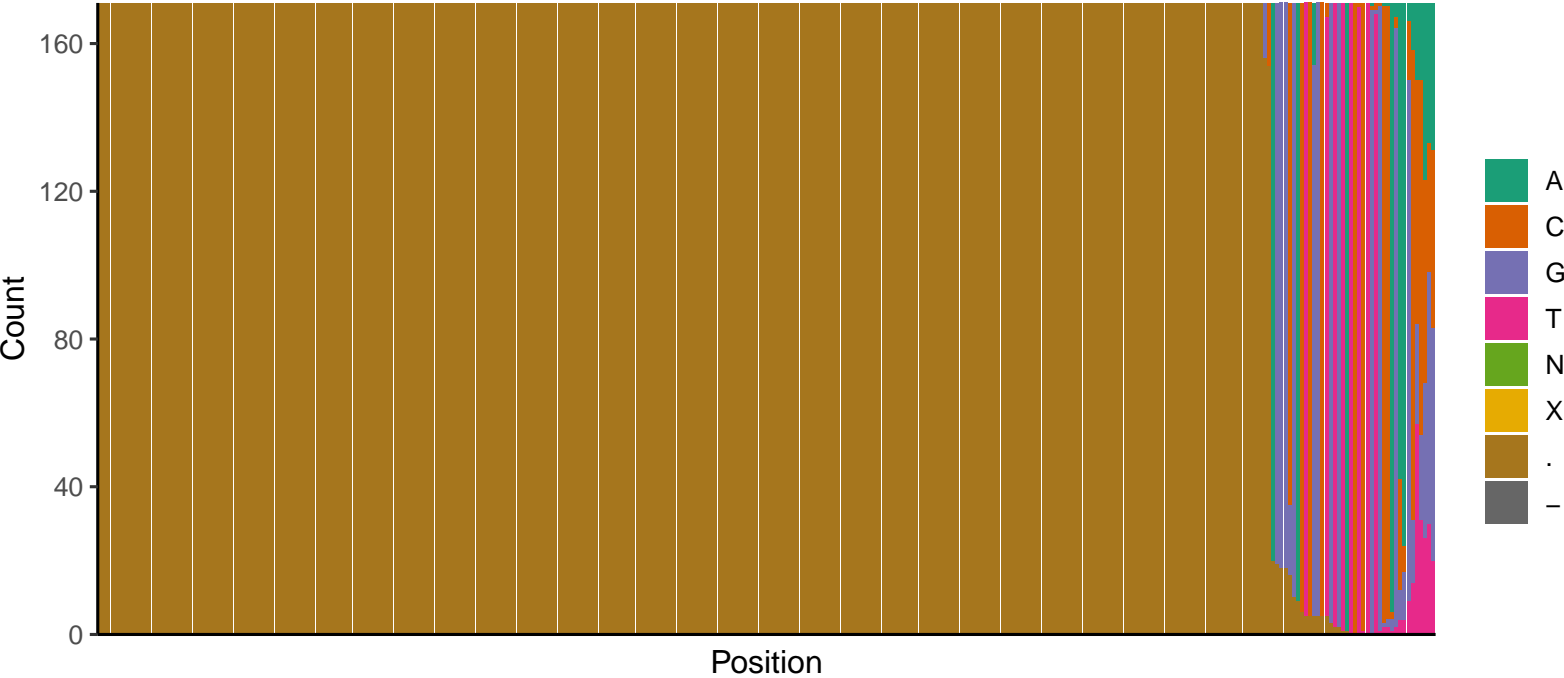
Gene TRBV7-1*ap01_T296C



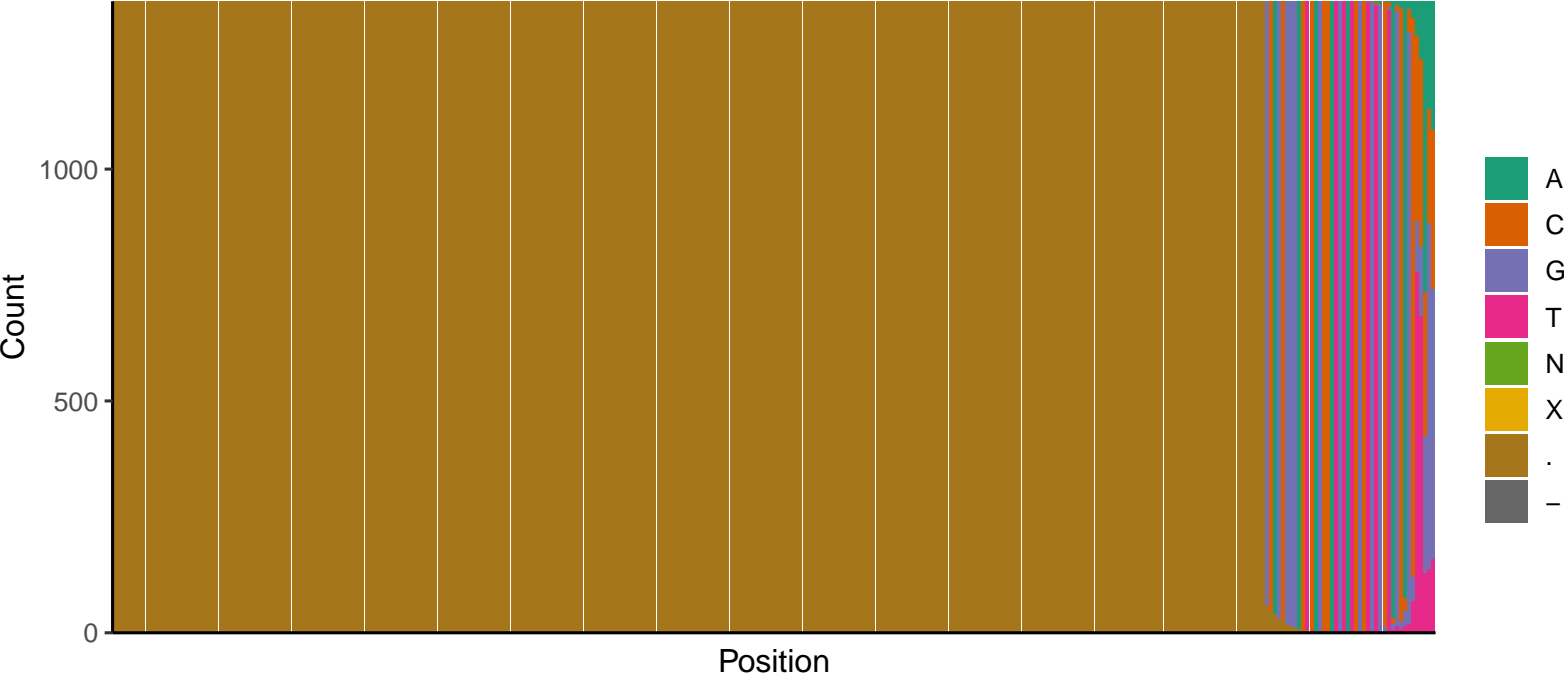
Gene TRBV7-7*ap01_C315T



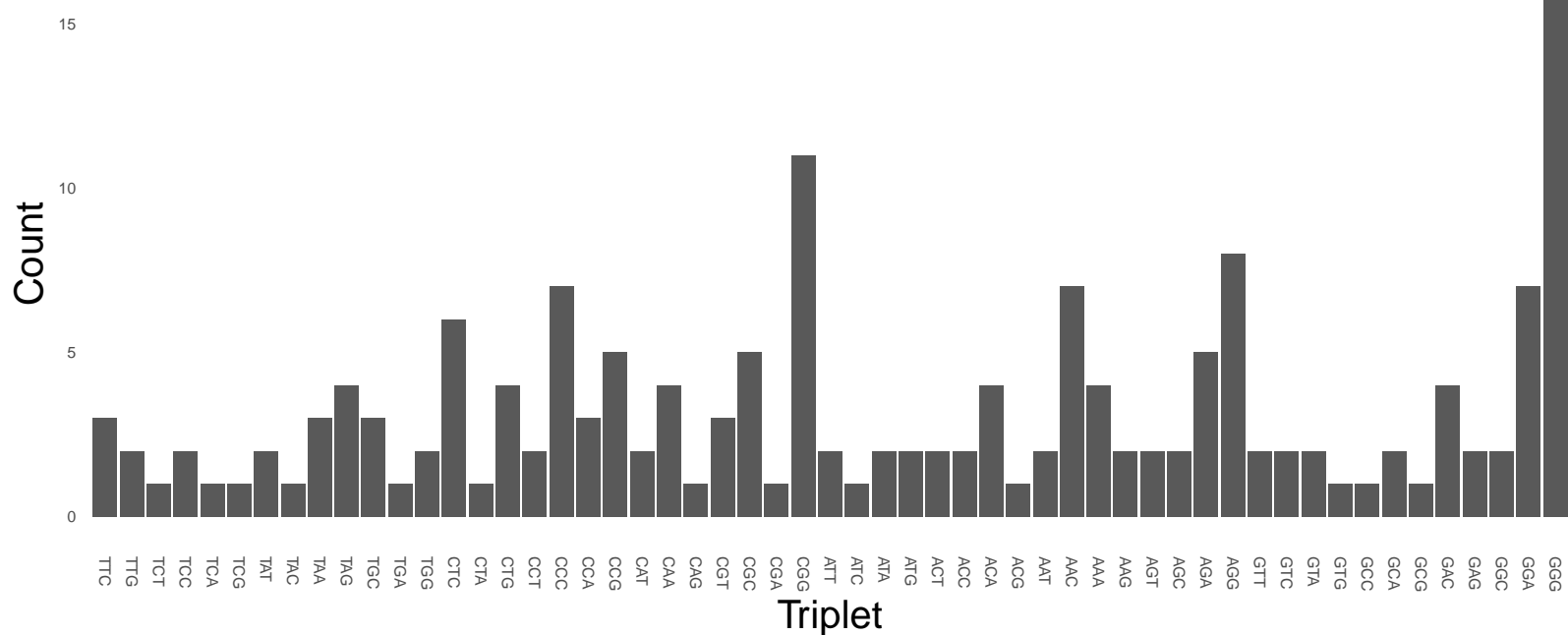
Gene TRBV7-1*ap01_T296C



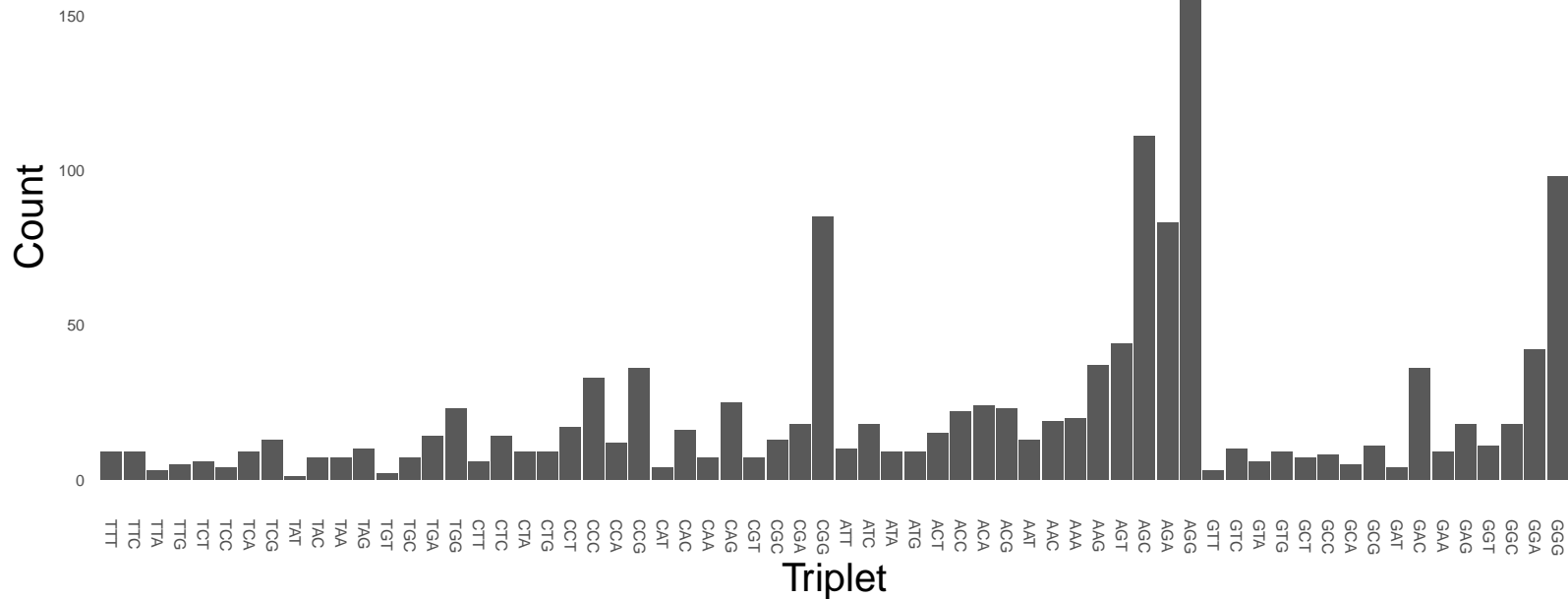
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

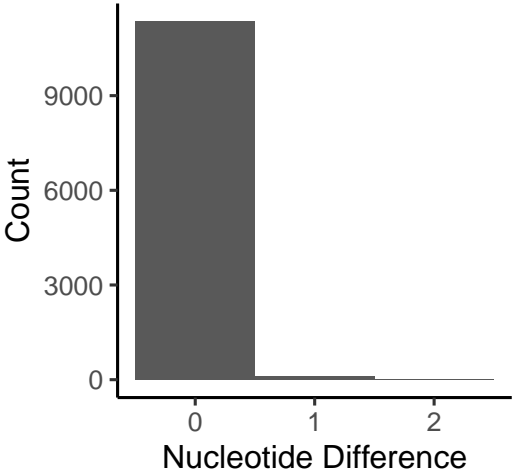


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



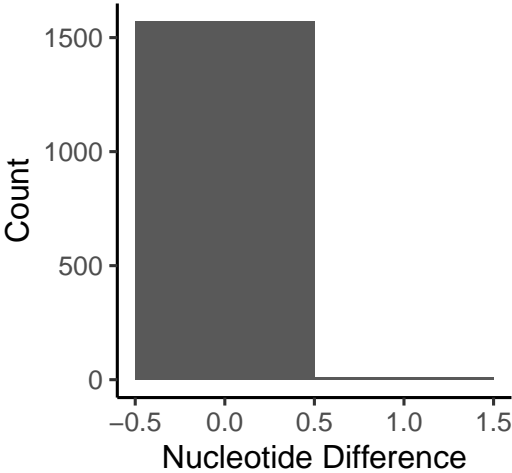
TRBV20-1*ap01

11467 sequences assigned
11352 (99%) exact matches, in which:
11190 unique CDR3
13 unique J



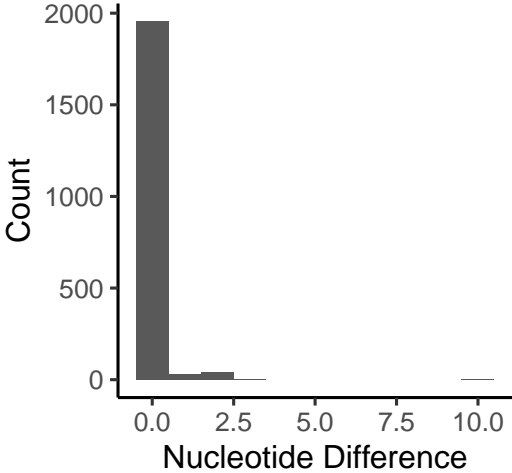
TRBV10-2*ap01

1581 sequences assigned
1571 (99.4%) exact matches, in which:
1551 unique CDR3
13 unique J



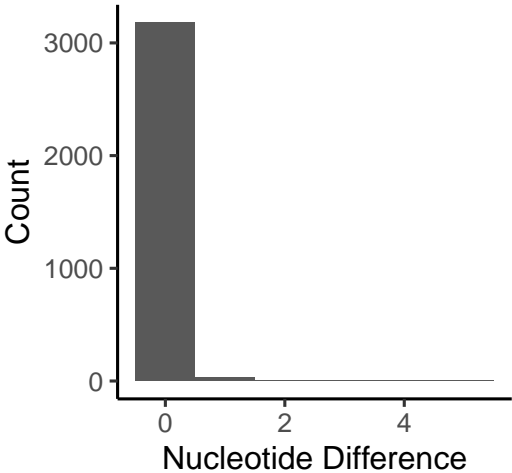
TRBV13*ap01

2028 sequences assigned
1955 (96.4%) exact matches, in which:
1911 unique CDR3
13 unique J



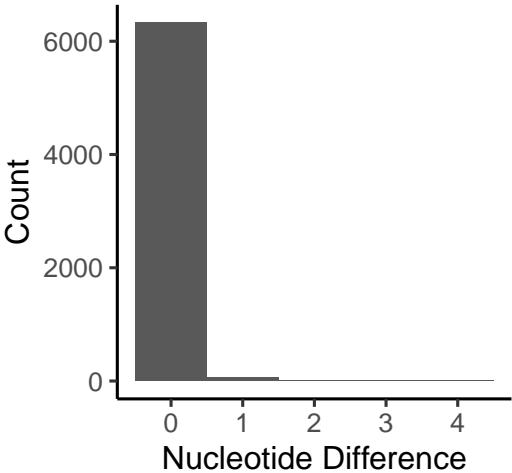
TRBV10-1*ap01

3214 sequences assigned
3179 (98.9%) exact matches, in which:
3112 unique CDR3
13 unique J



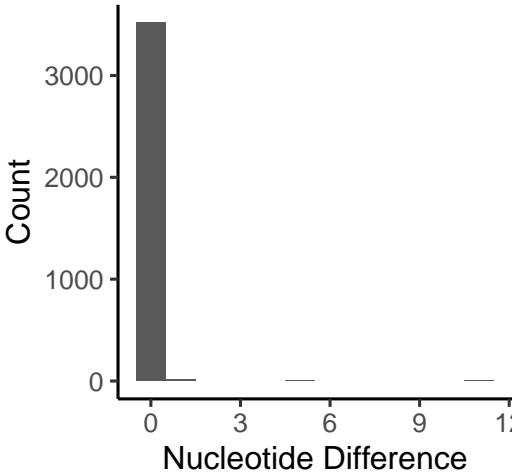
TRBV10-3*ap01

6395 sequences assigned
6327 (98.9%) exact matches, in which:
6214 unique CDR3
13 unique J



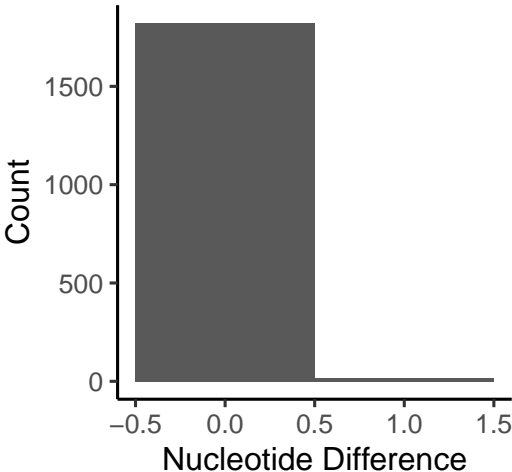
TRBV14*ap01

3539 sequences assigned
3518 (99.4%) exact matches, in which:
3486 unique CDR3
13 unique J



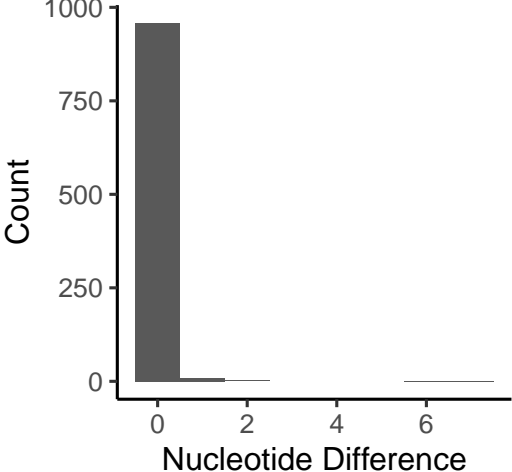
TRBV20-1*ap02

1839 sequences assigned
1822 (99.1%) exact matches, in which:
1808 unique CDR3
13 unique J



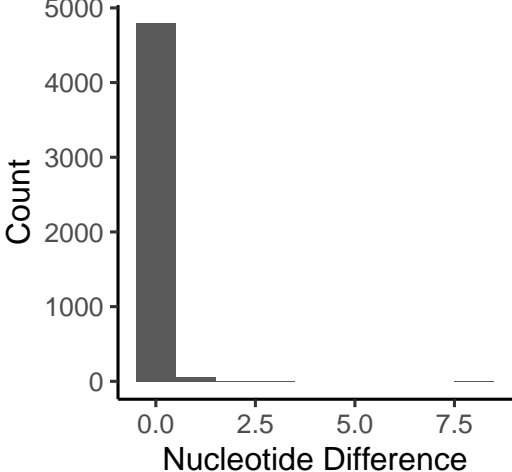
TRBV1*ap01

971 sequences assigned
958 (98.7%) exact matches, in which:
935 unique CDR3
13 unique J



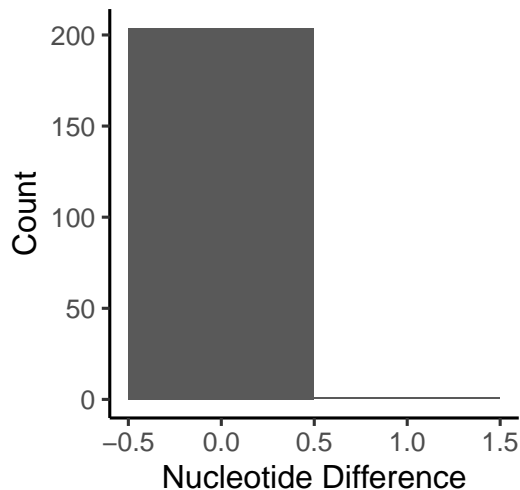
TRBV15*ap02

4857 sequences assigned
4797 (98.8%) exact matches, in which:
4713 unique CDR3
13 unique J



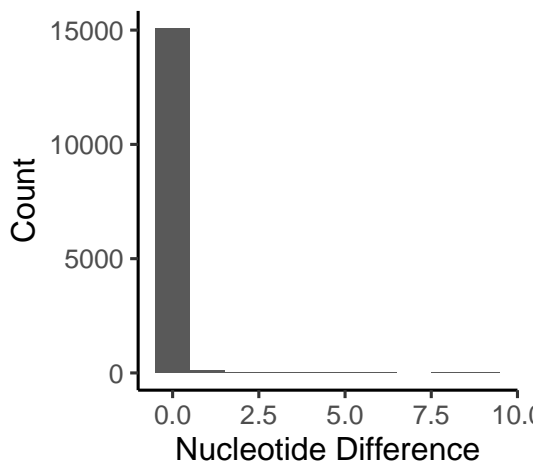
TRBV16*ap01

205 sequences assigned
204 (99.5%) exact matches, in which:
204 unique CDR3
11 unique J



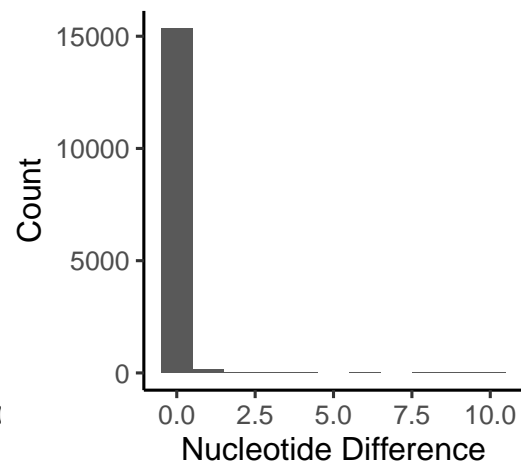
TRBV19*ap01

15221 sequences assigned
15086 (99.1%) exact matches, in which:
14987 unique CDR3
14 unique J



TRBV27*ap01

15550 sequences assigned
15360 (98.8%) exact matches, in which:
15037 unique CDR3
13 unique J



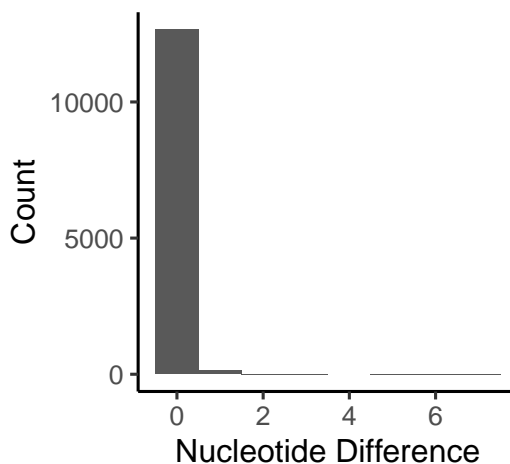
TRBV17*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



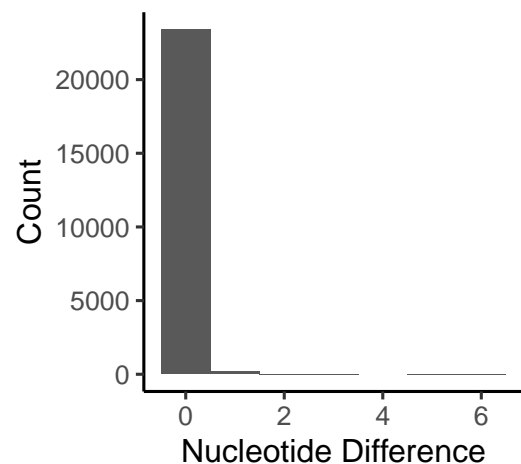
TRBV2*ap01

12813 sequences assigned
12662 (98.8%) exact matches, in which:
12400 unique CDR3
13 unique J



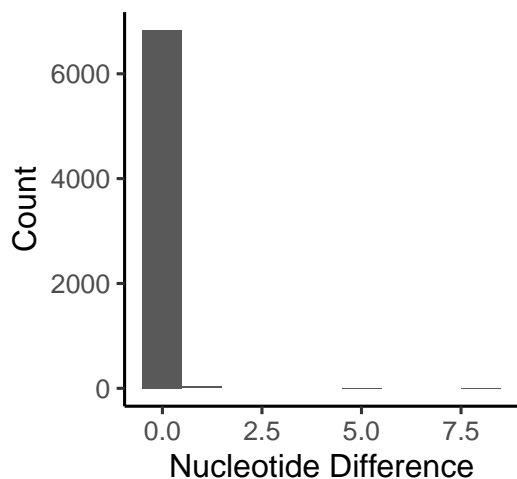
TRBV28*ap01

23618 sequences assigned
23404 (99.1%) exact matches, in which:
23136 unique CDR3
13 unique J



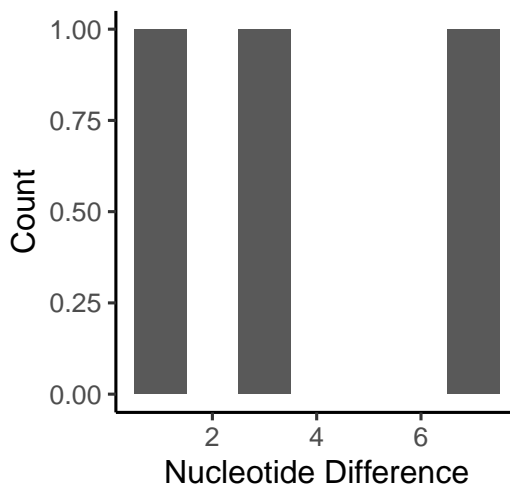
TRBV18*ap01

6868 sequences assigned
6834 (99.5%) exact matches, in which:
6789 unique CDR3
13 unique J



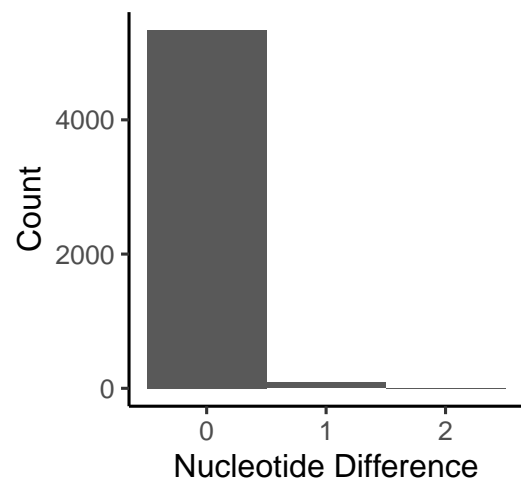
TRBV26*ap01

3 sequences assigned
No exact matches.



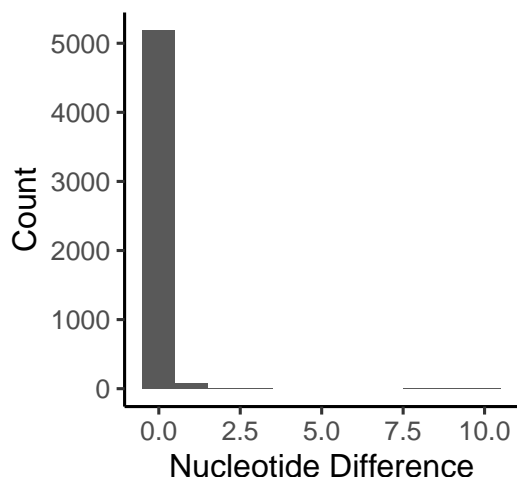
TRBV30*ap01

5429 sequences assigned
5338 (98.3%) exact matches, in which:
5155 unique CDR3
13 unique J



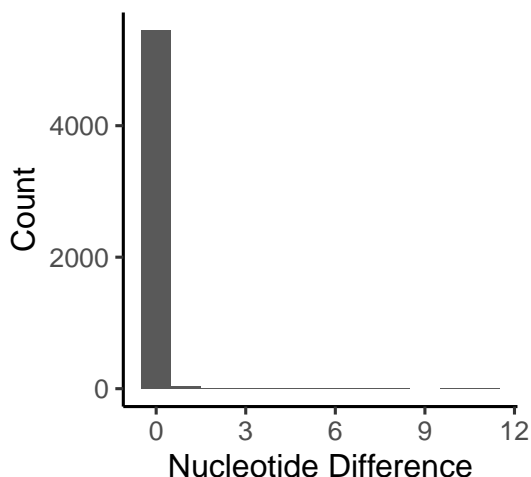
TRBV30*ap02

5267 sequences assigned
5186 (98.5%) exact matches, in which:
5081 unique CDR3
13 unique J



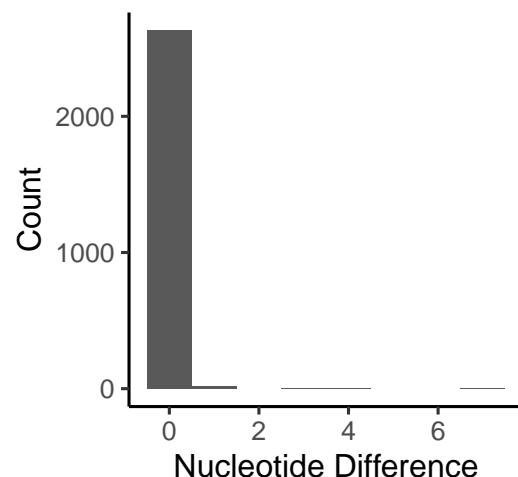
TRBV21-1*ap01

5530 sequences assigned
5449 (98.5%) exact matches, in which:
5414 unique CDR3
14 unique J



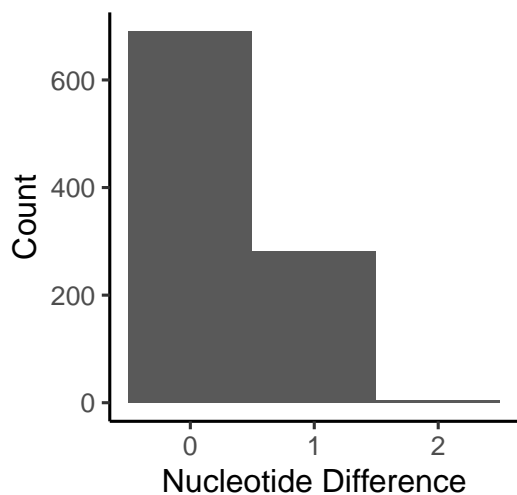
TRBV11-3*ap01

2652 sequences assigned
2631 (99.2%) exact matches, in which:
2618 unique CDR3
13 unique J



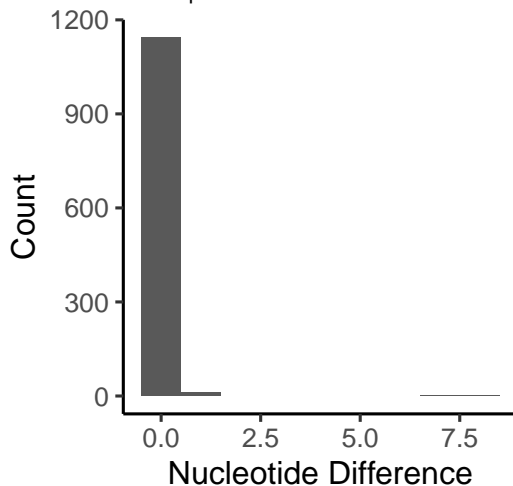
TRBV30*ap03

978 sequences assigned
691 (70.7%) exact matches, in which:
677 unique CDR3
13 unique J



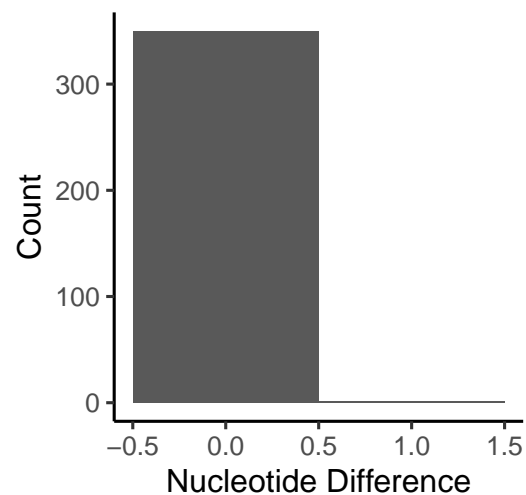
TRBV11-1*ap01

1155 sequences assigned
1143 (99%) exact matches, in which:
1135 unique CDR3
13 unique J



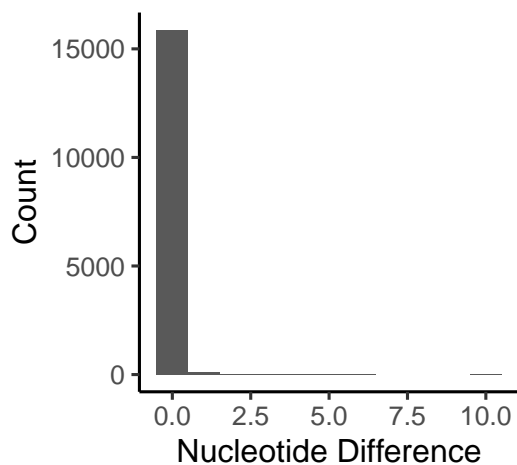
TRBV12-1*ap01

351 sequences assigned
350 (99.7%) exact matches, in which:
348 unique CDR3
13 unique J



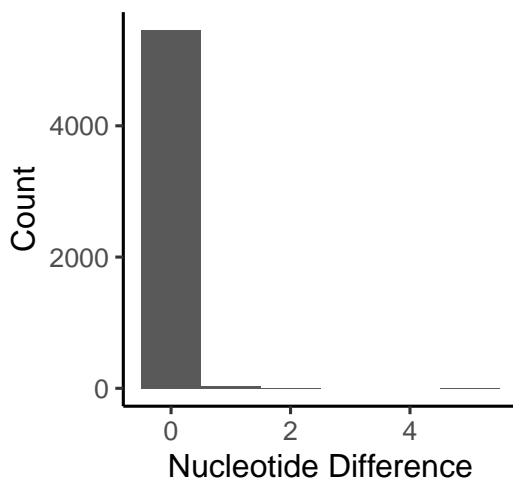
TRBV9*ap01

16002 sequences assigned
15878 (99.2%) exact matches, in which:
15653 unique CDR3
13 unique J



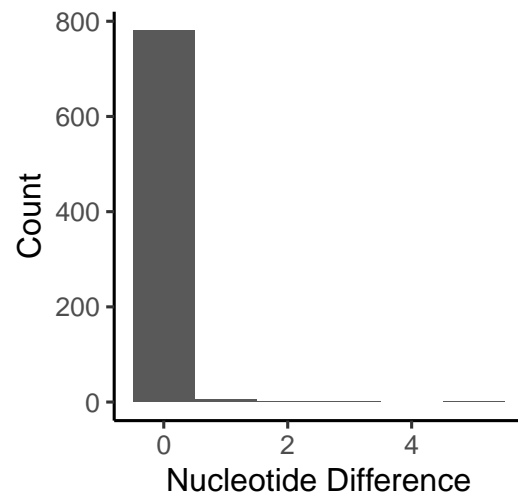
TRBV11-2*ap01

5496 sequences assigned
5459 (99.3%) exact matches, in which:
5415 unique CDR3
13 unique J



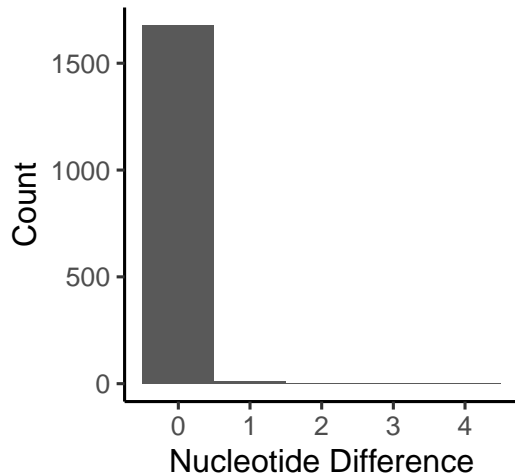
TRBV12-2*ap01

790 sequences assigned
781 (98.9%) exact matches, in which:
772 unique CDR3
13 unique J



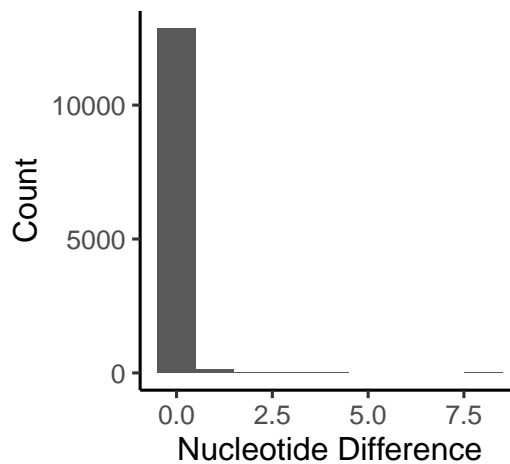
TRBV12-5*ap01

1694 sequences assigned
1677 (99%) exact matches, in which:
1659 unique CDR3
13 unique J



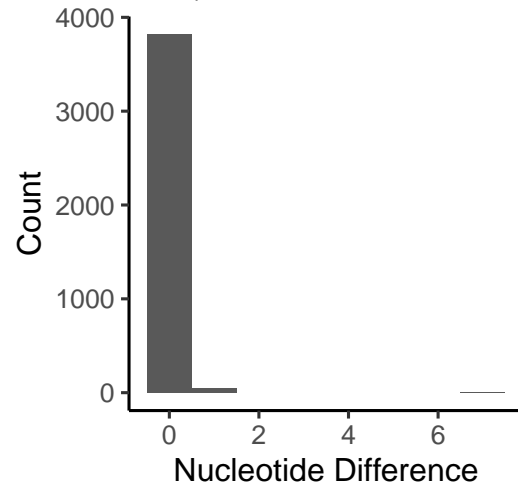
TRBV3-12*ap01

13020 sequences assigned
12874 (98.9%) exact matches, in which:
12621 unique CDR3
13 unique J



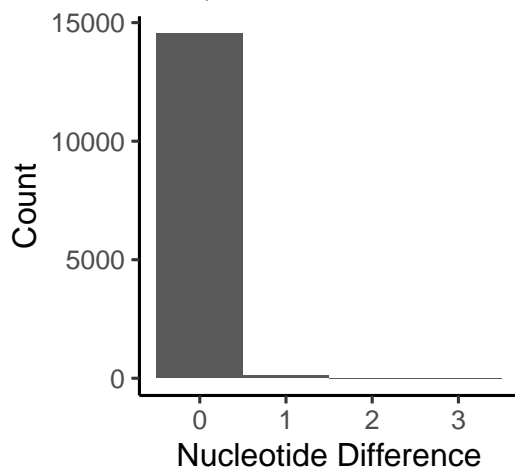
TRBV4-2*ap01

3865 sequences assigned
3818 (98.8%) exact matches, in which:
3746 unique CDR3
13 unique J



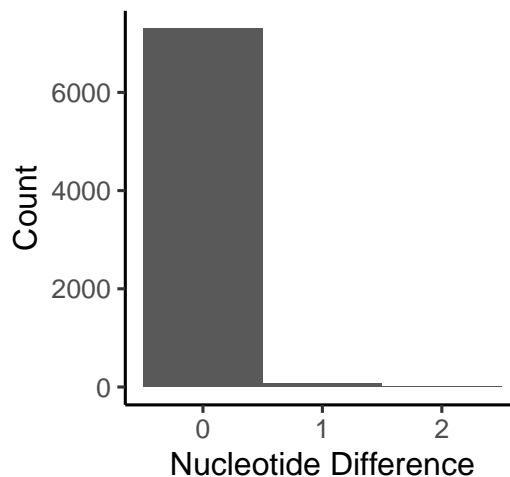
TRBV12-34*ap01

14673 sequences assigned
14543 (99.1%) exact matches, in which:
14306 unique CDR3
13 unique J



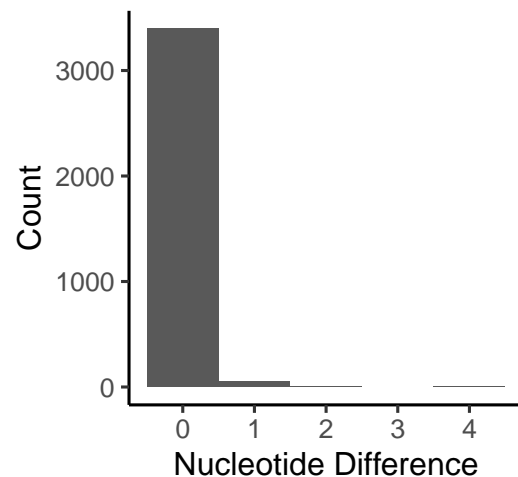
TRBV4-1*ap01

7363 sequences assigned
7297 (99.1%) exact matches, in which:
7149 unique CDR3
13 unique J



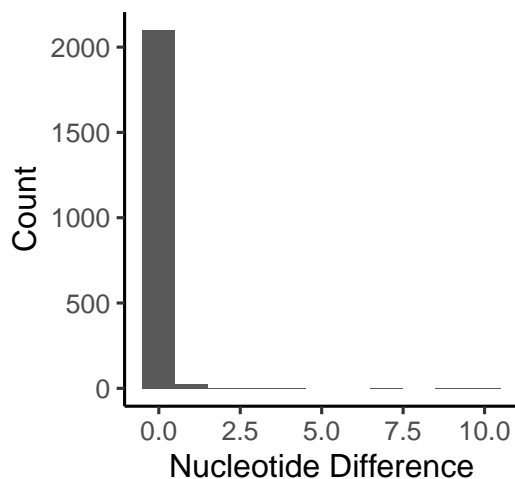
TRBV25-1*ap01

3446 sequences assigned
3396 (98.5%) exact matches, in which:
3300 unique CDR3
13 unique J



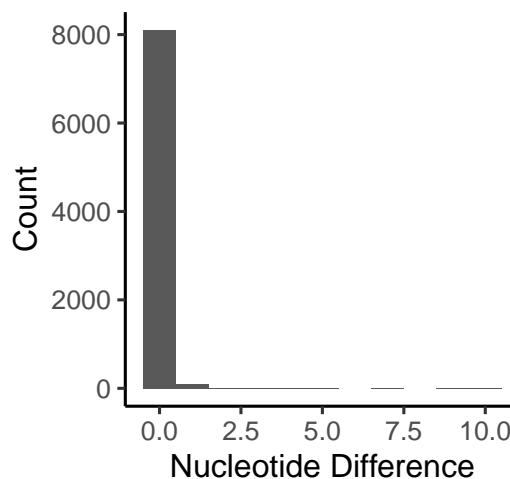
TRBV23-1*ap01

2134 sequences assigned
2100 (98.4%) exact matches, in which:
2081 unique CDR3
13 unique J



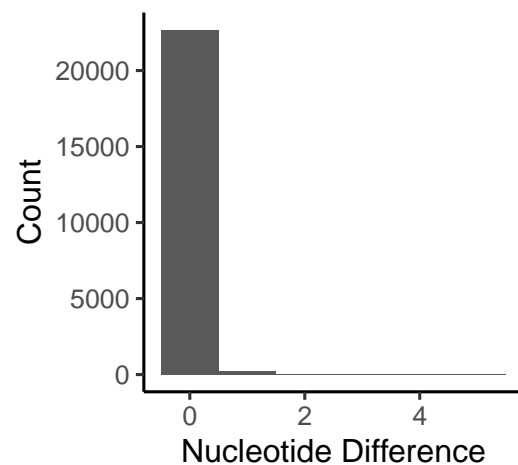
TRBV24-1*ap01

8217 sequences assigned
8103 (98.6%) exact matches, in which:
7958 unique CDR3
13 unique J



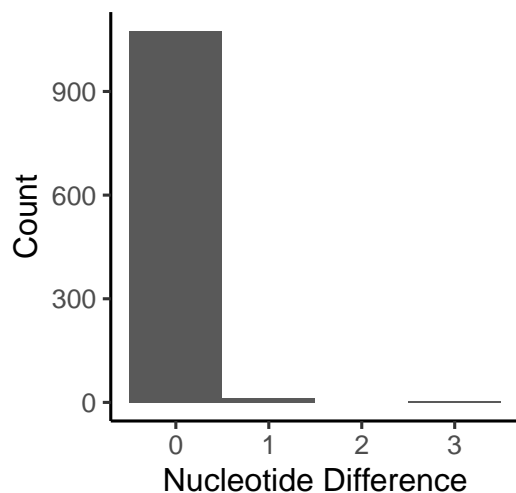
TRBV5-1*ap01

22897 sequences assigned
22681 (99.1%) exact matches, in which:
22088 unique CDR3
13 unique J



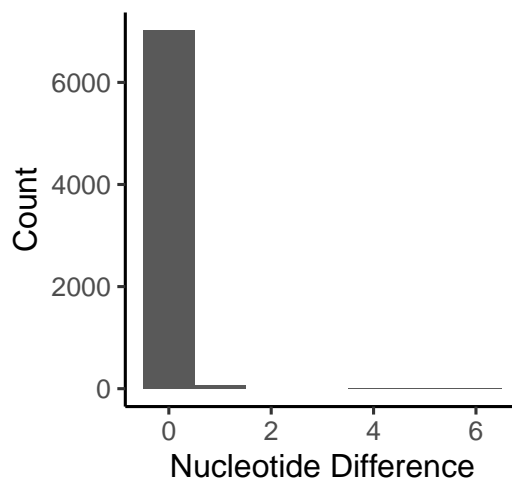
TRBV5-3*ap01

1092 sequences assigned
1076 (98.5%) exact matches, in which:
1061 unique CDR3
13 unique J



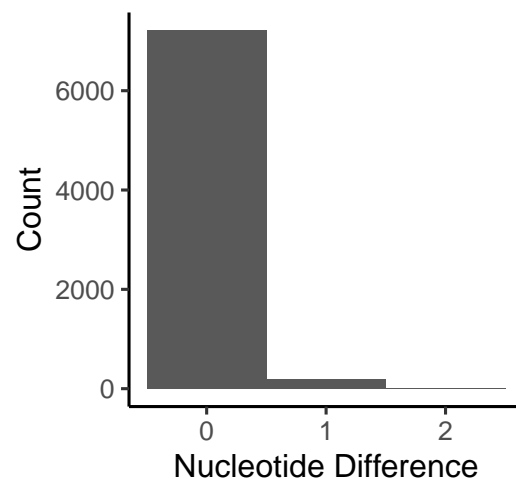
TRBV5-6*ap01

7098 sequences assigned
7019 (98.9%) exact matches, in which:
6834 unique CDR3
13 unique J



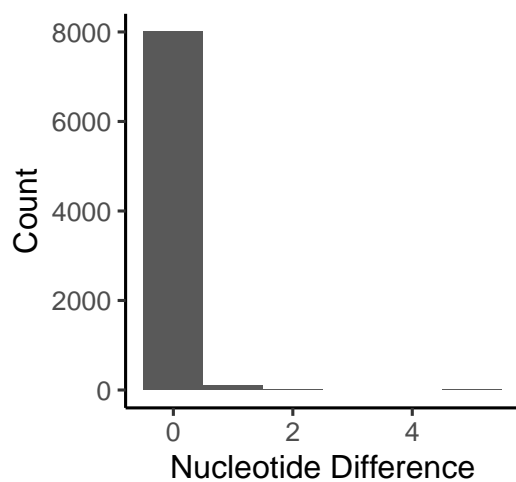
TRBV6-1*ap01

7401 sequences assigned
7214 (97.5%) exact matches, in which:
7056 unique CDR3
13 unique J



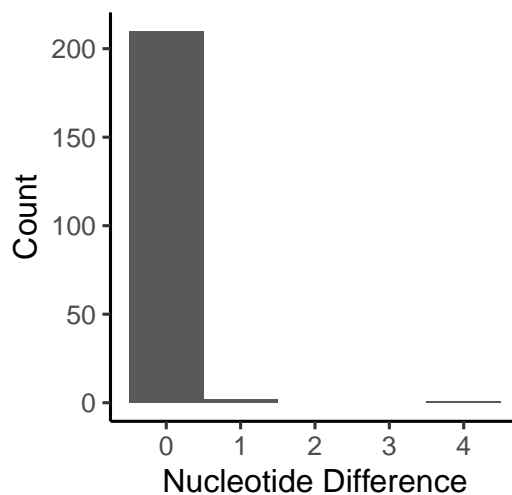
TRBV5-4*ap01

8098 sequences assigned
8005 (98.9%) exact matches, in which:
7842 unique CDR3
13 unique J



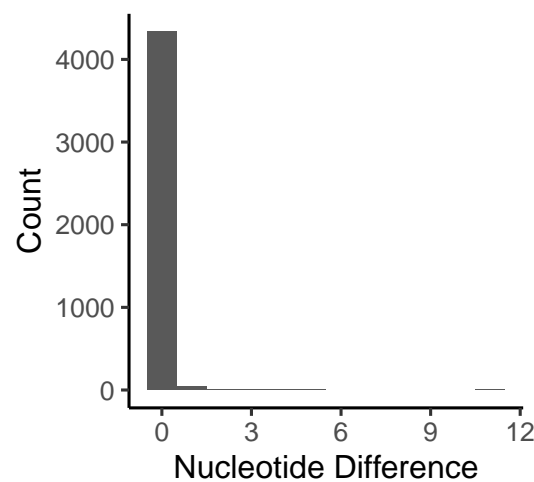
TRBV5-7*ap01

213 sequences assigned
210 (98.6%) exact matches, in which:
202 unique CDR3
13 unique J



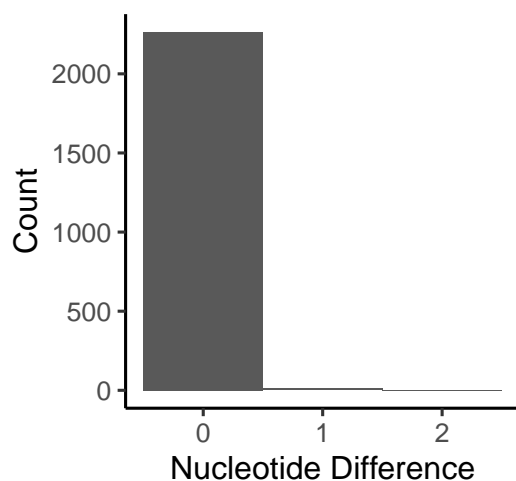
TRBV6-4*ap01

4401 sequences assigned
4335 (98.5%) exact matches, in which:
4279 unique CDR3
13 unique J



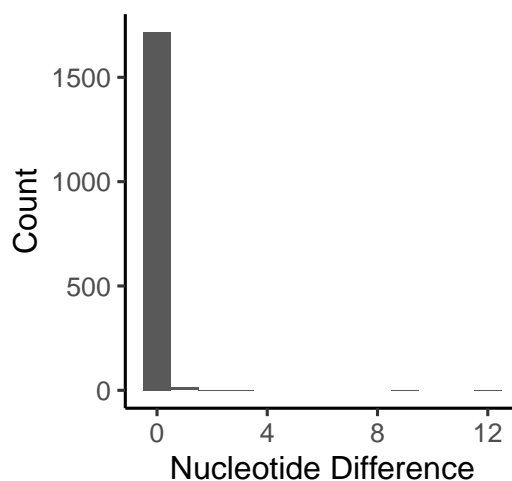
TRBV5-5*ap01

2277 sequences assigned
2264 (99.4%) exact matches, in which:
2245 unique CDR3
13 unique J



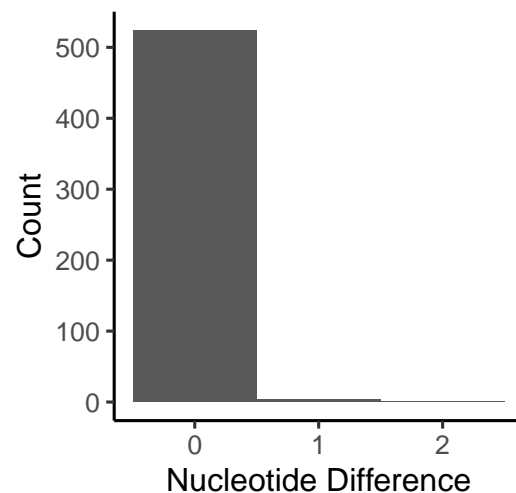
TRBV5-8*ap01

1738 sequences assigned
1717 (98.8%) exact matches, in which:
1699 unique CDR3
13 unique J



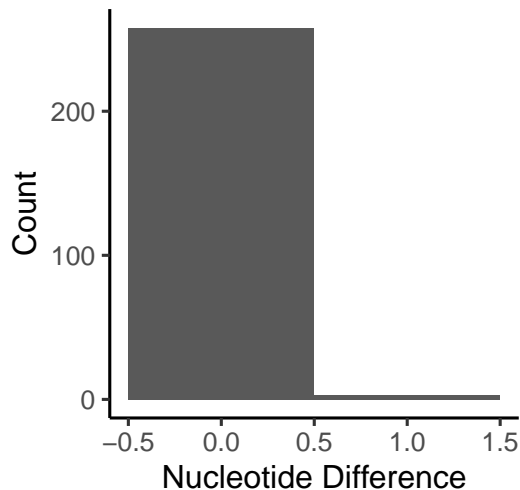
TRBV6-7*ap01

529 sequences assigned
524 (99.1%) exact matches, in which:
517 unique CDR3
13 unique J



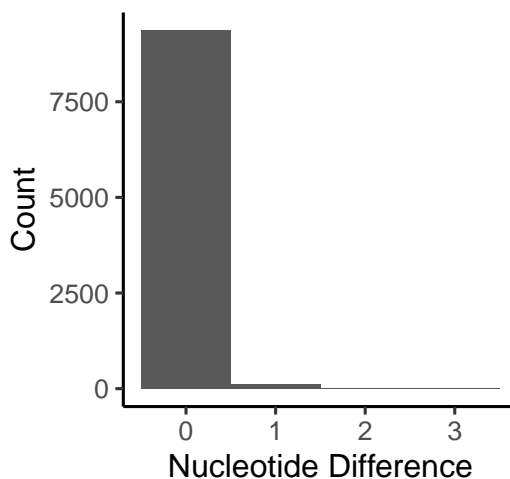
TRBV6–8*ap01

261 sequences assigned
258 (98.9%) exact matches, in which:
252 unique CDR3
13 unique J



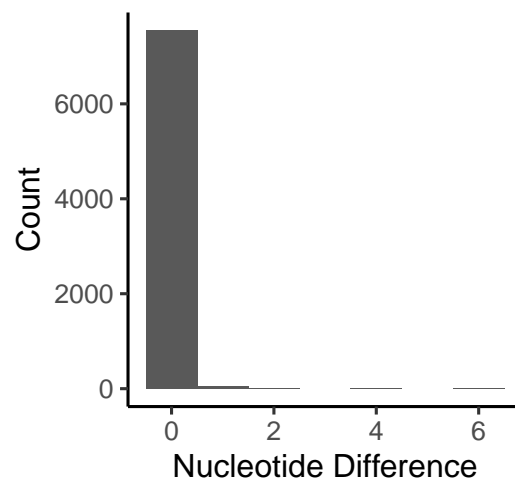
TRBV6–56*ap01

9496 sequences assigned
9365 (98.6%) exact matches, in which:
9130 unique CDR3
13 unique J



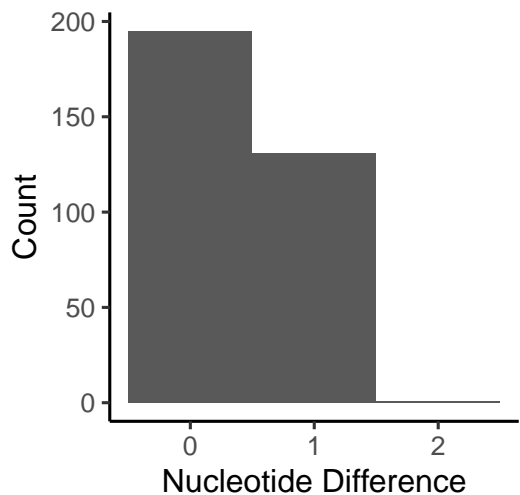
TRBV7–2*ap01

7602 sequences assigned
7547 (99.3%) exact matches, in which:
7455 unique CDR3
13 unique J



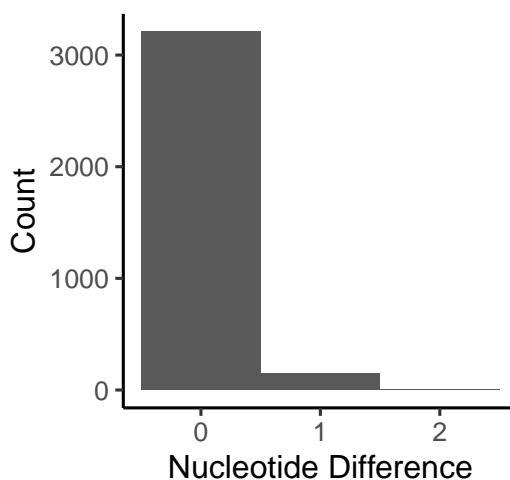
TRBV6–9*ap01

327 sequences assigned
195 (59.6%) exact matches, in which:
188 unique CDR3
13 unique J



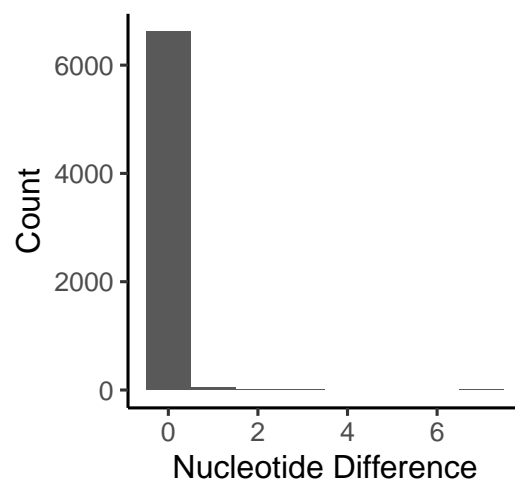
TRBV6–56*ap02

3363 sequences assigned
3209 (95.4%) exact matches, in which:
3123 unique CDR3
13 unique J



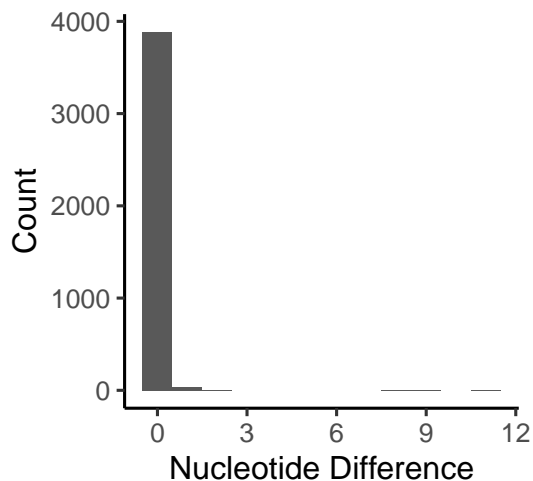
TRBV7–3*ap01

6667 sequences assigned
6617 (99.3%) exact matches, in which:
6562 unique CDR3
13 unique J



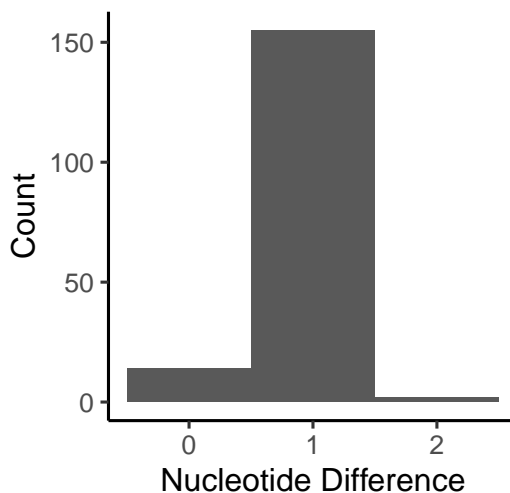
TRBV6–23*ap01

3925 sequences assigned
3884 (99%) exact matches, in which:
3775 unique CDR3
13 unique J



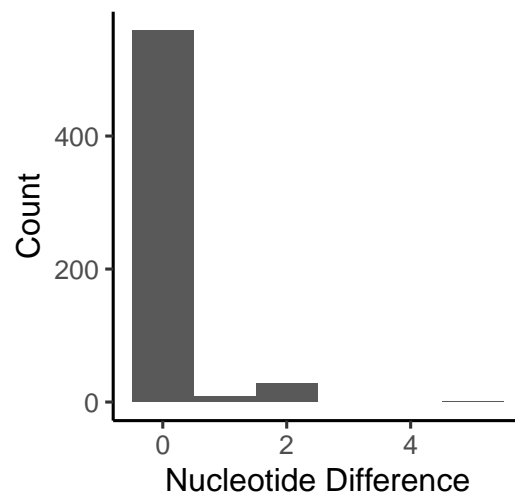
TRBV7–1*ap01_T296C

171 sequences assigned
14 (8.2%) exact matches, in which:
13 unique CDR3
9 unique J



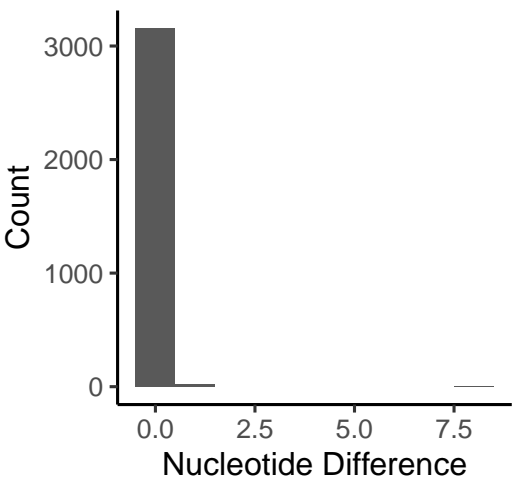
TRBV7–4*ap01

597 sequences assigned
559 (93.6%) exact matches, in which:
545 unique CDR3
13 unique J



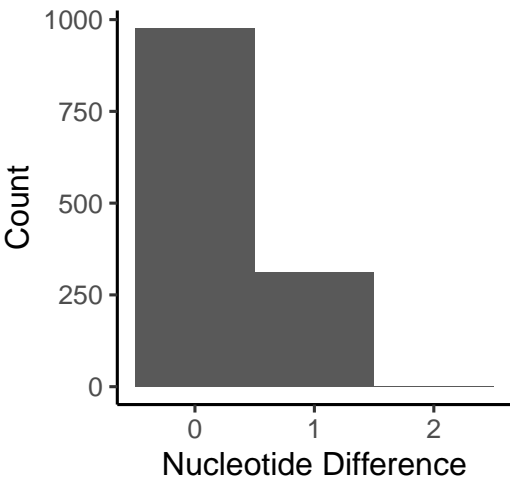
TRBV7-6*ap01

3181 sequences assigned
3155 (99.2%) exact matches, in which:
3105 unique CDR3
13 unique J



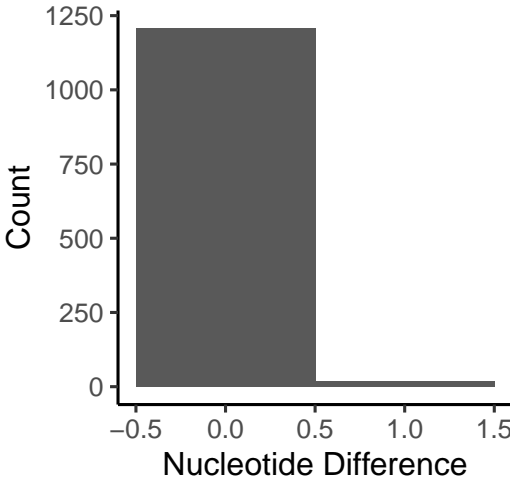
TRBV7-8*ap03

1290 sequences assigned
976 (75.7%) exact matches, in which:
962 unique CDR3
13 unique J



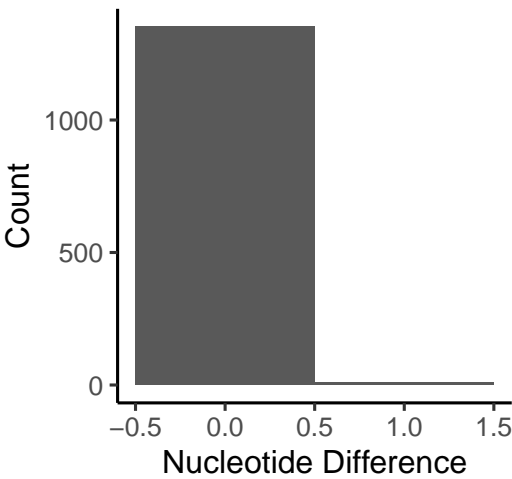
TRBV29-1*ap02

1224 sequences assigned
1207 (98.6%) exact matches, in which:
1160 unique CDR3
13 unique J



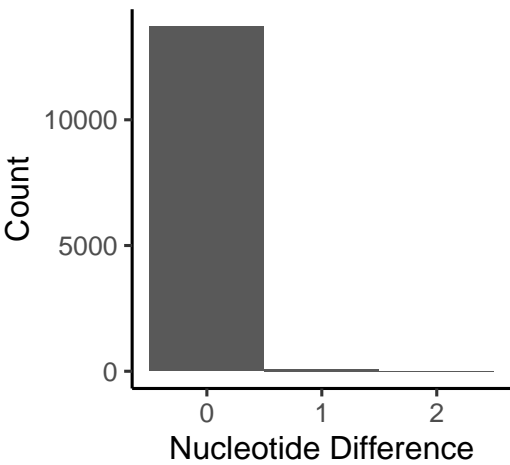
TRBV7-7*ap01_C315T

1362 sequences assigned
1352 (99.3%) exact matches, in which:
1327 unique CDR3
13 unique J



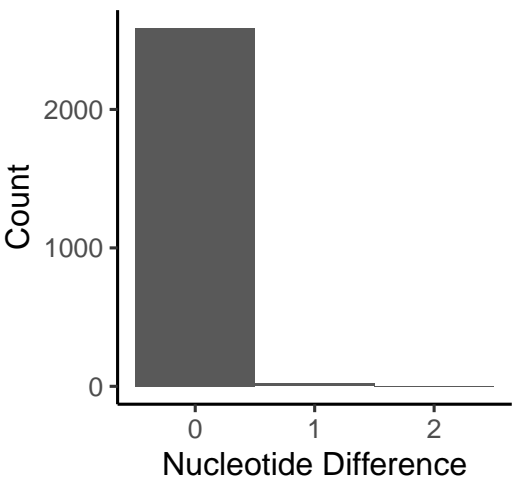
TRBV7-9*ap01

13805 sequences assigned
13711 (99.3%) exact matches, in which:
13540 unique CDR3
13 unique J



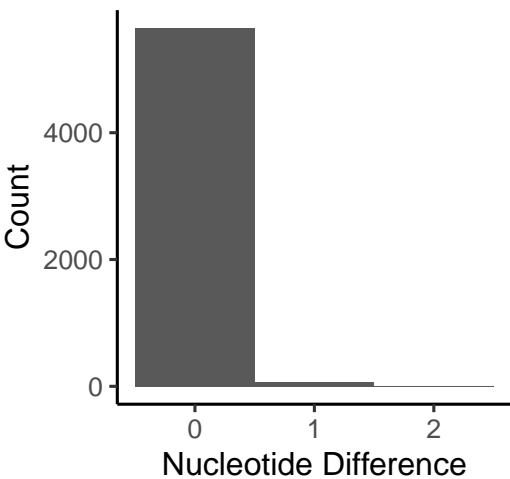
TRBV7-8*ap01

2608 sequences assigned
2588 (99.2%) exact matches, in which:
2533 unique CDR3
13 unique J

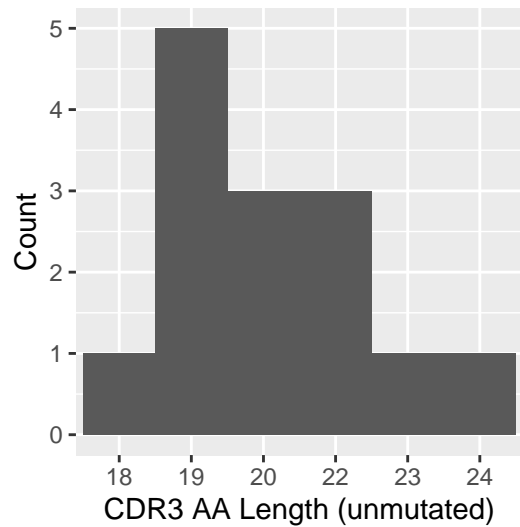


TRBV29-1*ap01

5723 sequences assigned
5651 (98.7%) exact matches, in which:
5478 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

