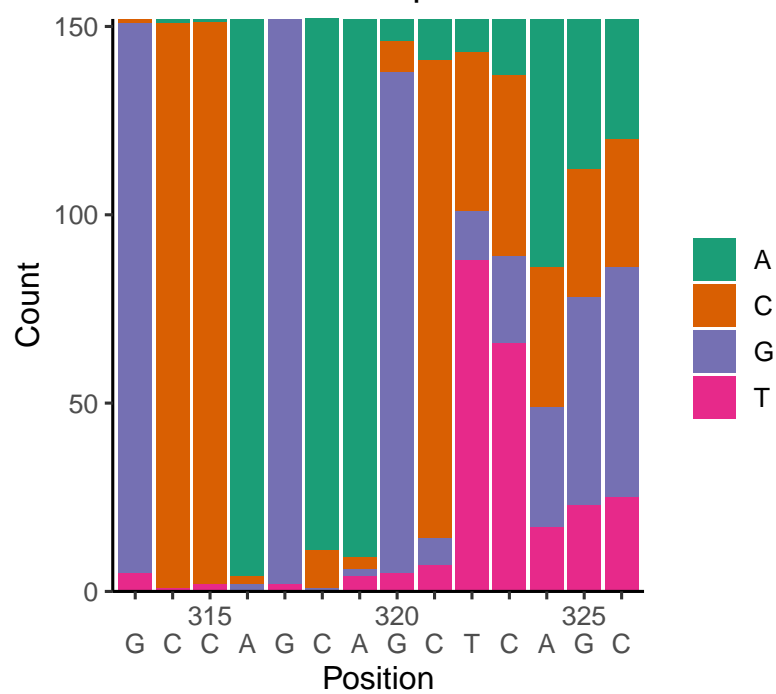
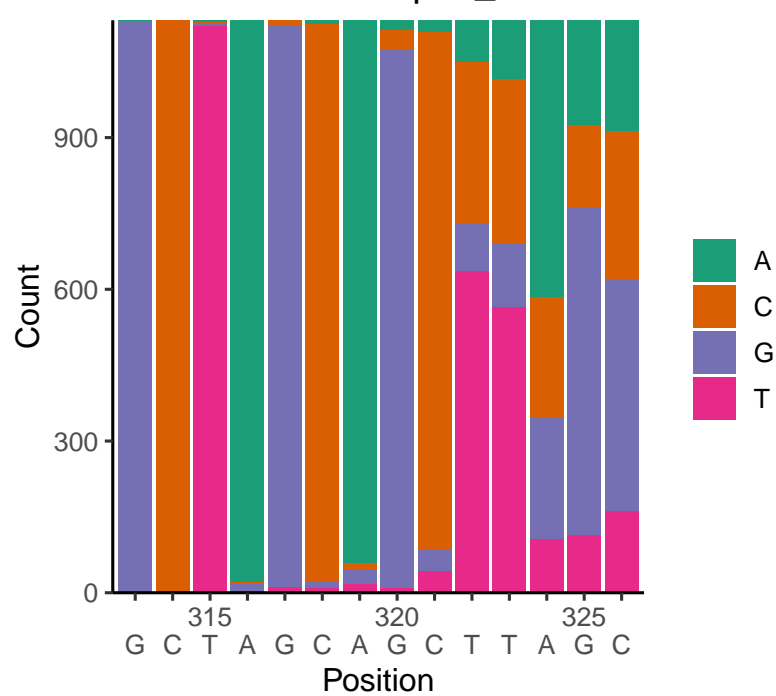


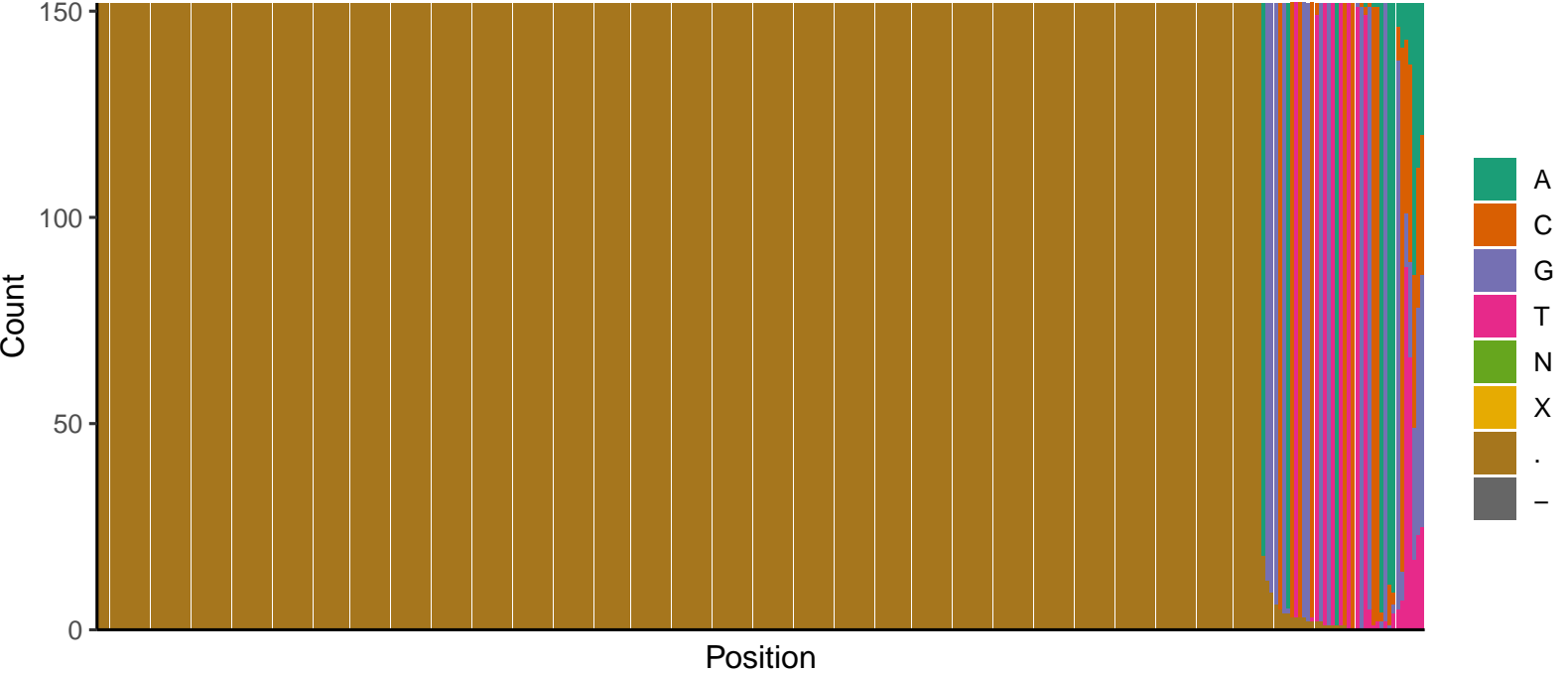
Gene TRBV7-1*ap01_G291C_T296C



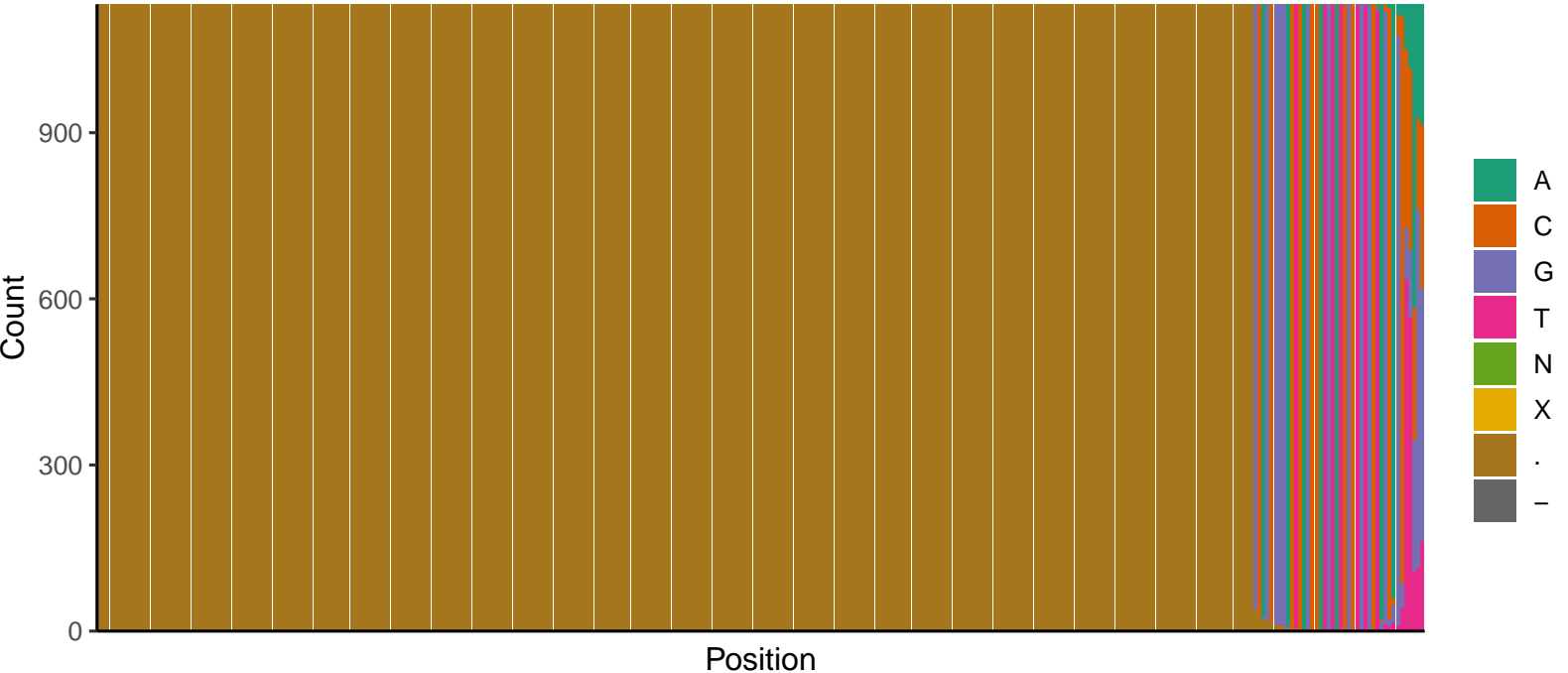
Gene TRBV7-7*ap01_C315T



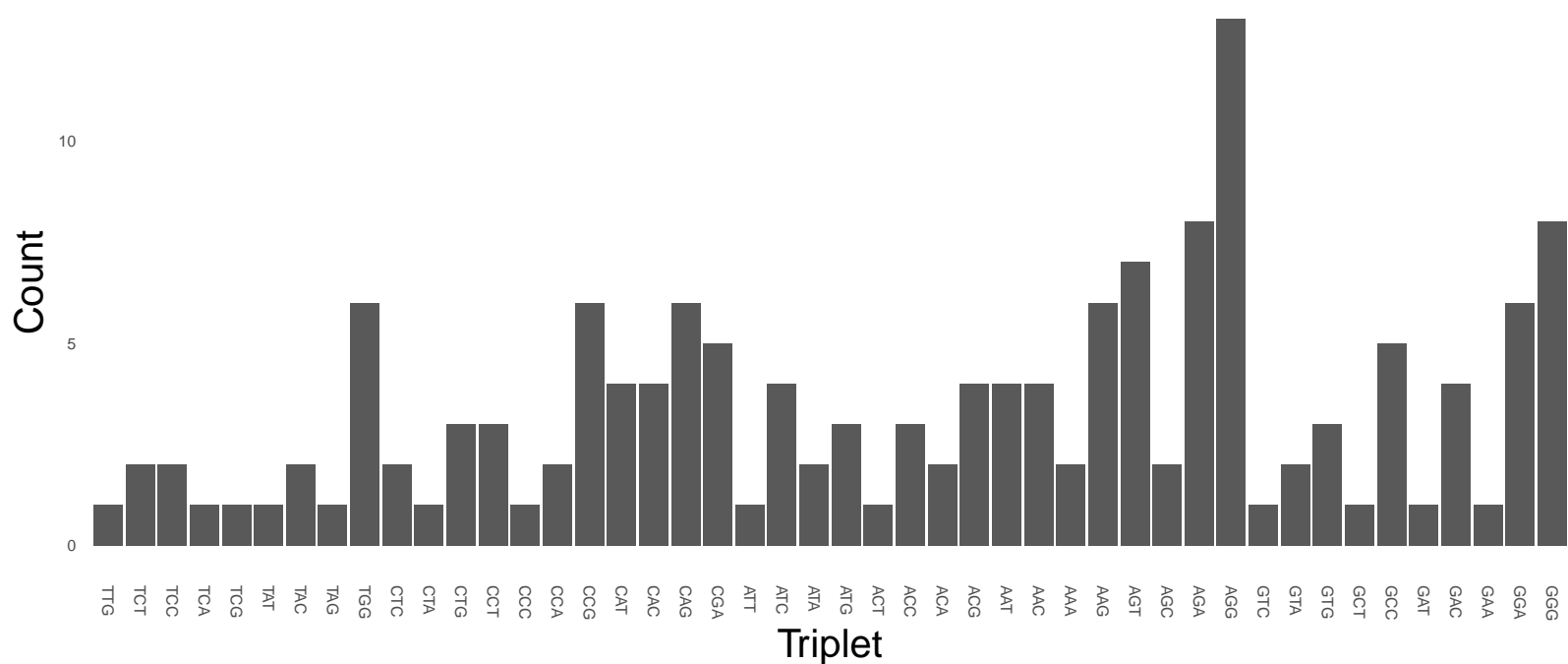
Gene TRBV7-1*ap01_G291C_T296C



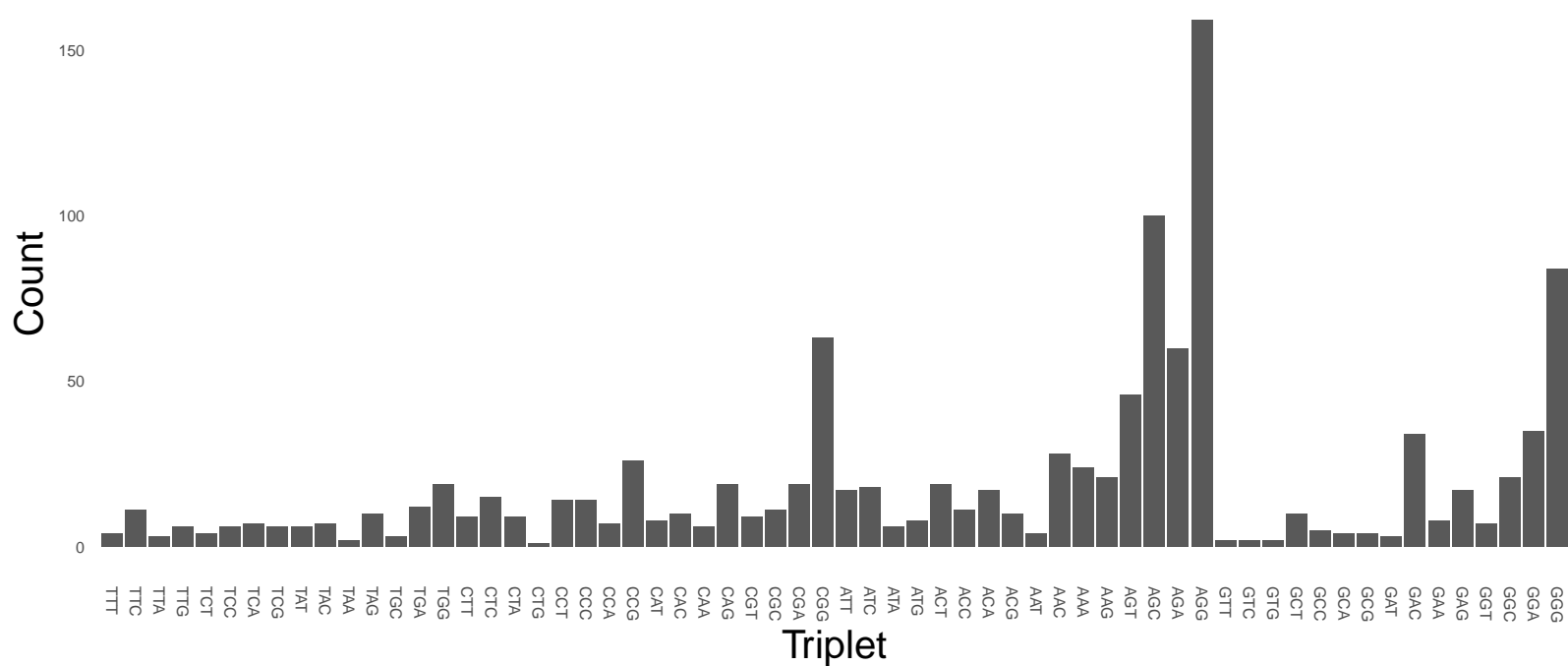
Gene TRBV7-7*ap01_C315T



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

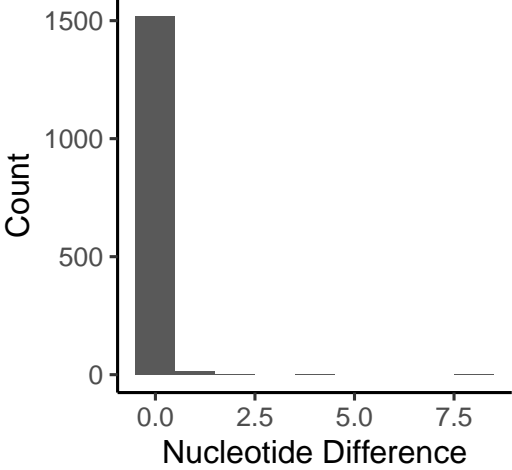


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



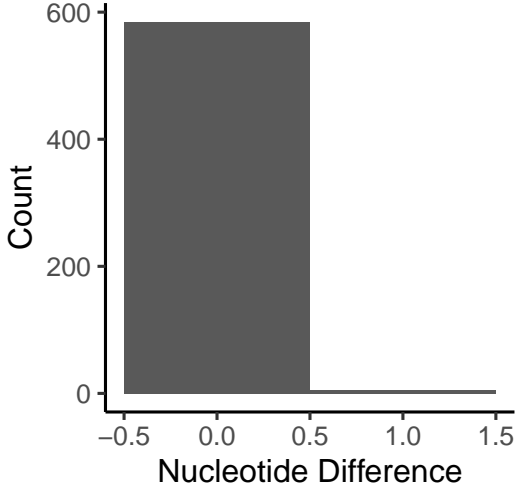
TRBV10-1*ap01

1537 sequences assigned
1518 (98.8%) exact matches, in which:
1485 unique CDR3
13 unique J



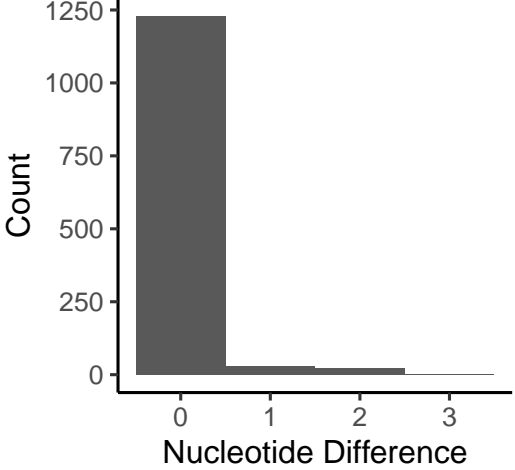
TRBV10-2*ap01

590 sequences assigned
585 (99.2%) exact matches, in which:
569 unique CDR3
13 unique J



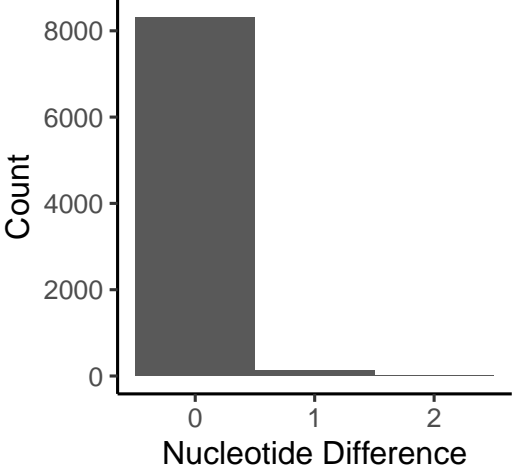
TRBV13*ap01

1279 sequences assigned
1228 (96%) exact matches, in which:
1198 unique CDR3
13 unique J



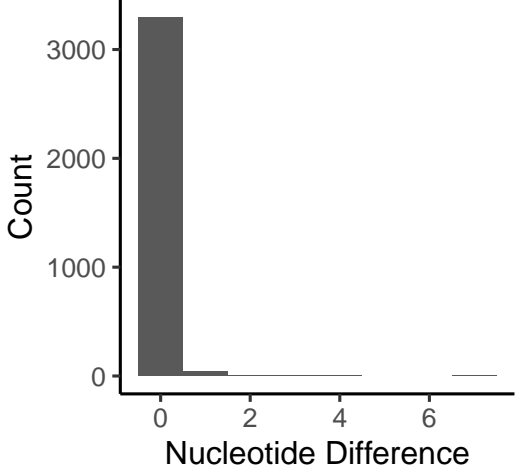
TRBV20-1*ap01

8424 sequences assigned
8303 (98.6%) exact matches, in which:
8154 unique CDR3
13 unique J



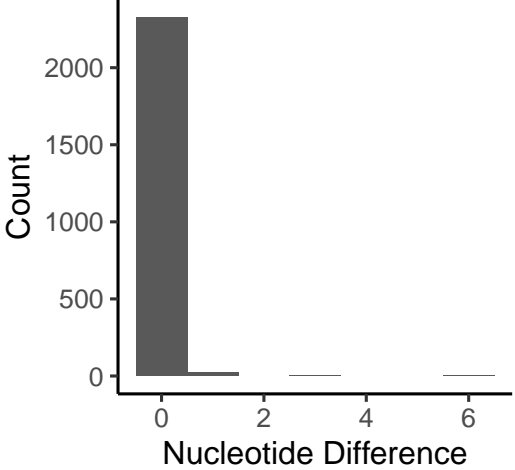
TRBV10-3*ap01

3338 sequences assigned
3292 (98.6%) exact matches, in which:
3217 unique CDR3
13 unique J



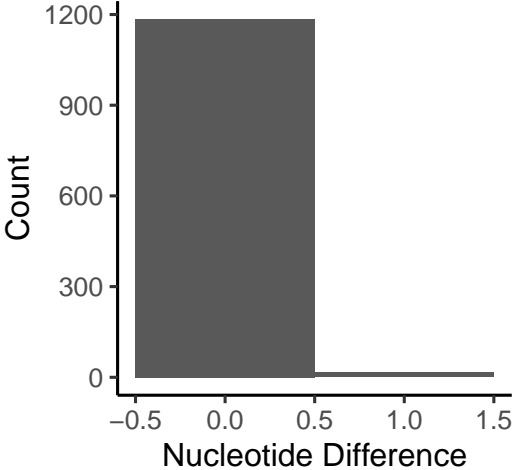
TRBV14*ap01

2349 sequences assigned
2324 (98.9%) exact matches, in which:
2275 unique CDR3
13 unique J



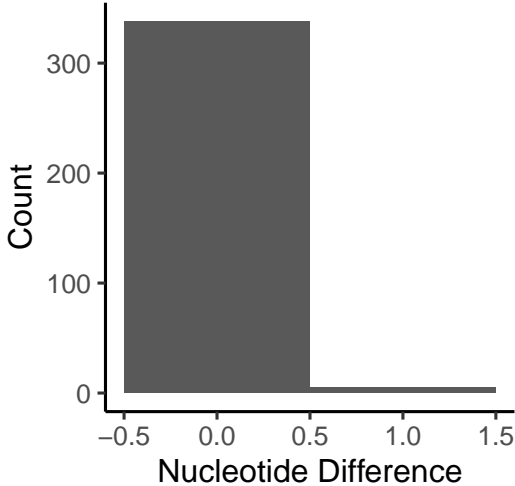
TRBV20-1*ap02

1201 sequences assigned
1185 (98.7%) exact matches, in which:
1168 unique CDR3
13 unique J



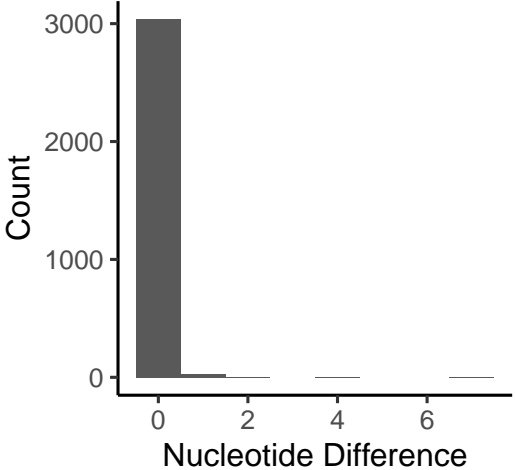
TRBV1*ap01

343 sequences assigned
338 (98.5%) exact matches, in which:
334 unique CDR3
13 unique J



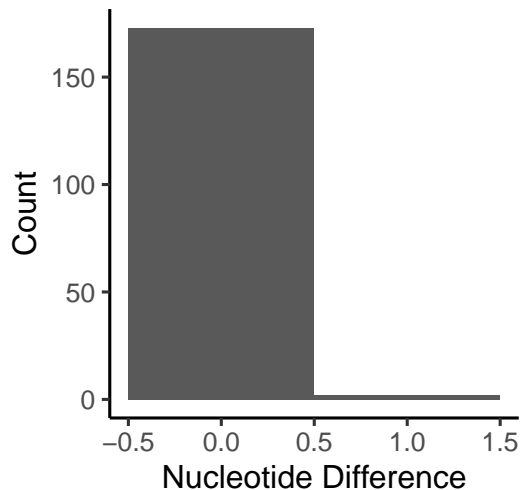
TRBV15*ap02

3070 sequences assigned
3039 (99%) exact matches, in which:
2951 unique CDR3
13 unique J



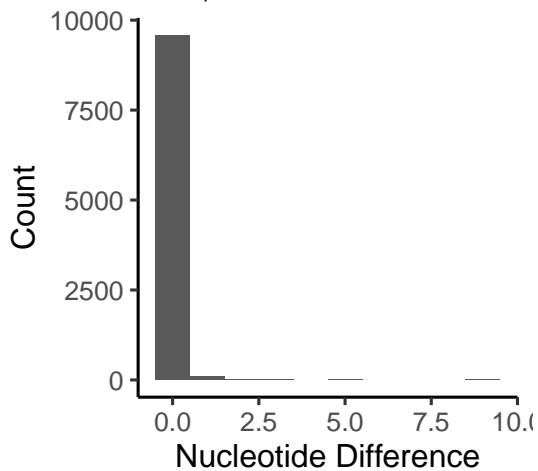
TRBV16*ap01

175 sequences assigned
173 (98.9%) exact matches, in which:
173 unique CDR3
13 unique J



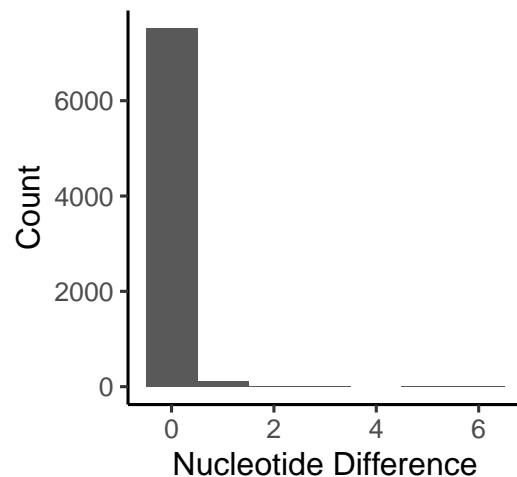
TRBV19*ap01

9700 sequences assigned
9583 (98.8%) exact matches, in which:
9450 unique CDR3
13 unique J



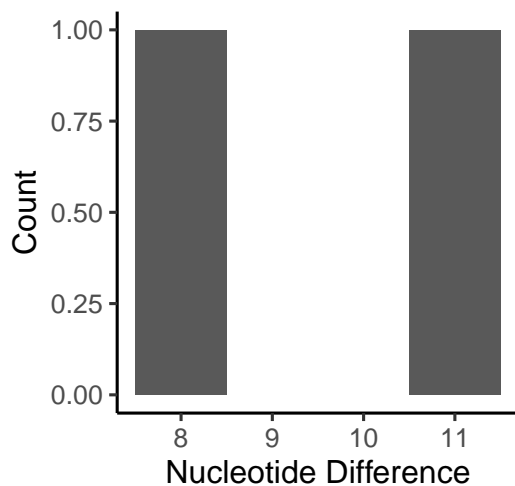
TRBV27*ap01

7635 sequences assigned
7517 (98.5%) exact matches, in which:
7329 unique CDR3
13 unique J



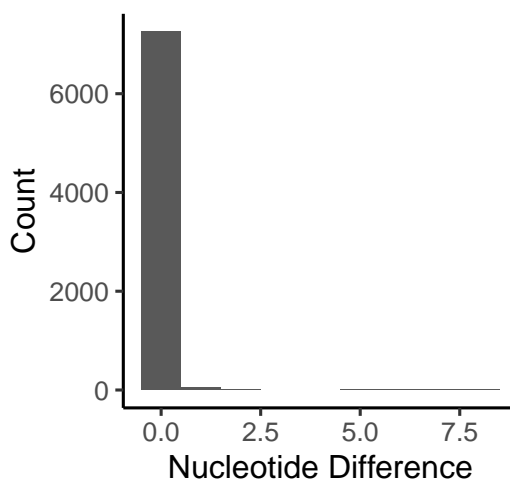
TRBV17*ap01

2 sequences assigned
No exact matches.



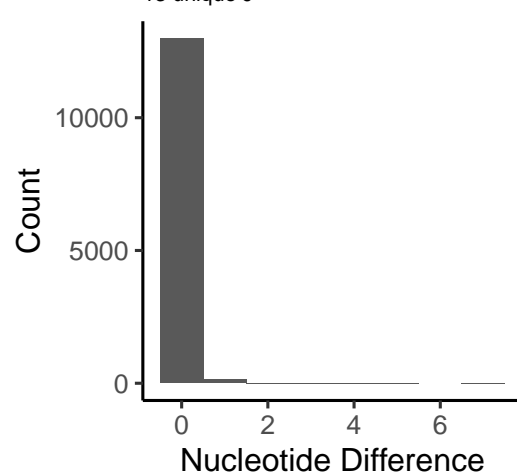
TRBV2*ap01

7324 sequences assigned
7255 (99.1%) exact matches, in which:
7127 unique CDR3
13 unique J



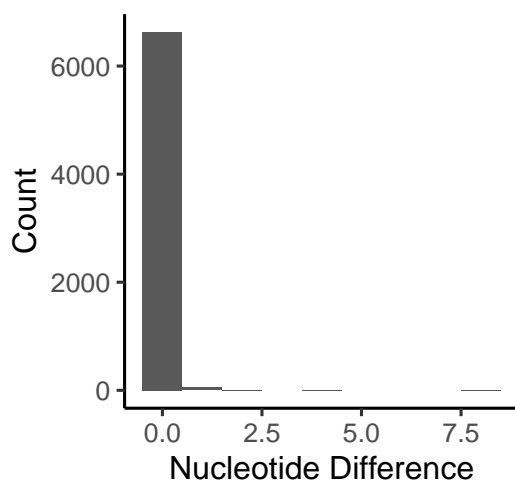
TRBV28*ap01

13135 sequences assigned
12984 (98.9%) exact matches, in which:
12721 unique CDR3
13 unique J



TRBV18*ap01

6683 sequences assigned
6629 (99.2%) exact matches, in which:
6530 unique CDR3
13 unique J



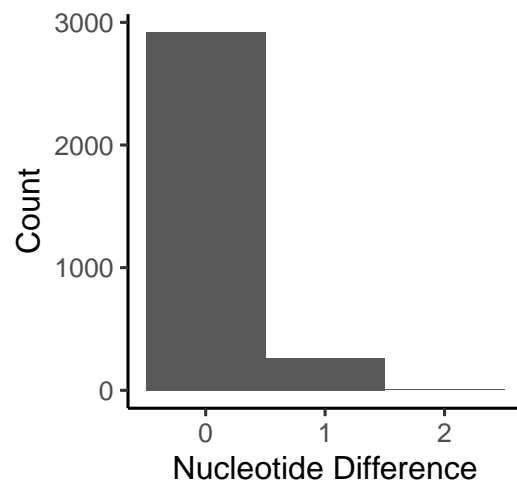
TRBV26*ap01

1 sequences assigned
No exact matches.



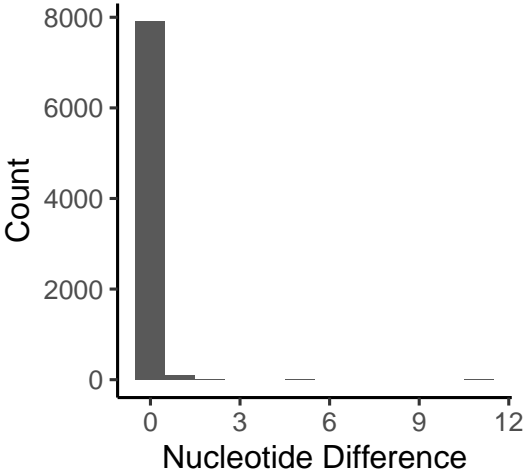
TRBV30*ap01

3190 sequences assigned
2921 (91.6%) exact matches, in which:
2880 unique CDR3
13 unique J



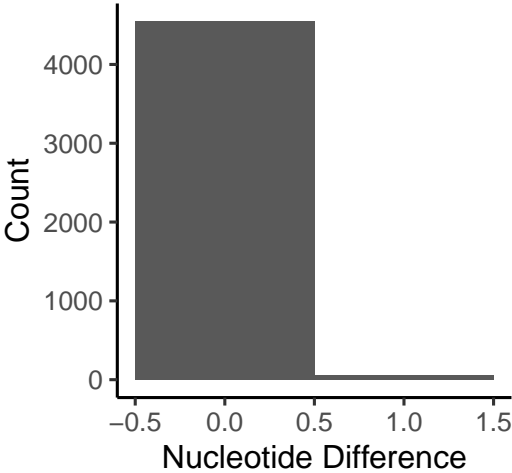
TRBV9*ap01

8008 sequences assigned
7909 (98.8%) exact matches, in which:
7763 unique CDR3
13 unique J



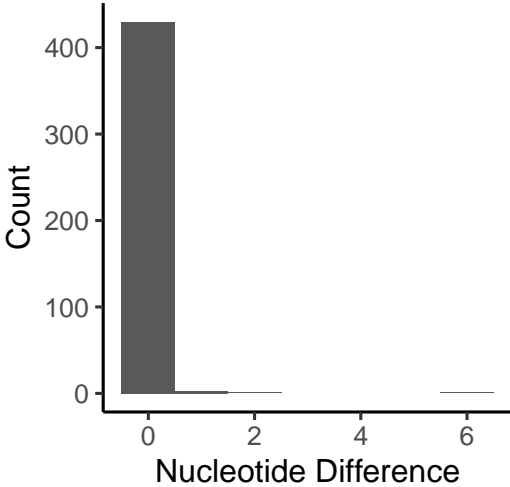
TRBV11-2*ap01

4607 sequences assigned
4546 (98.7%) exact matches, in which:
4441 unique CDR3
13 unique J



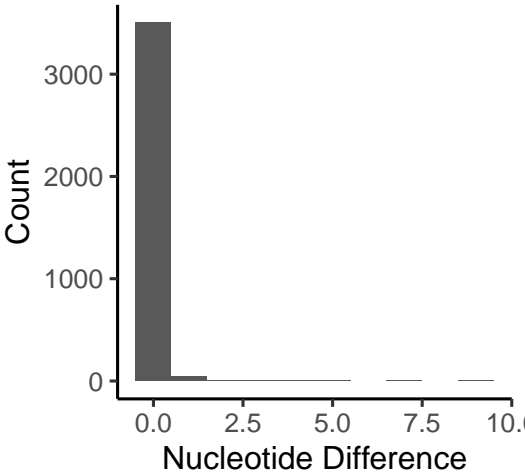
TRBV12-2*ap01

435 sequences assigned
430 (98.9%) exact matches, in which:
420 unique CDR3
13 unique J



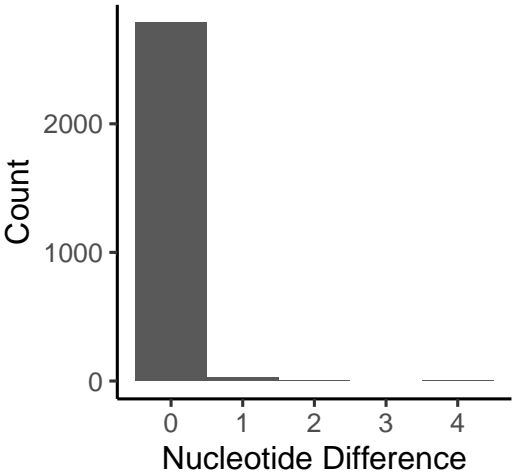
TRBV21-1*ap01

3565 sequences assigned
3503 (98.3%) exact matches, in which:
3437 unique CDR3
13 unique J



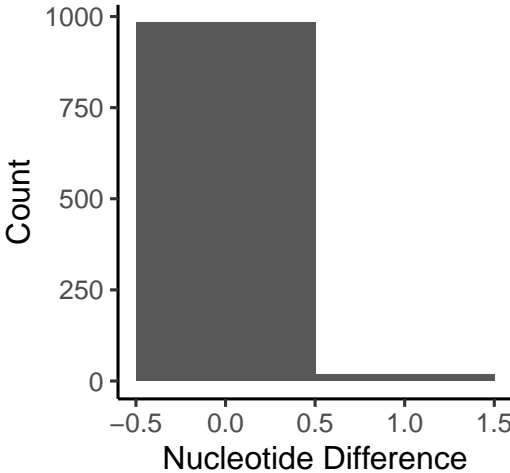
TRBV11-3*ap01

2818 sequences assigned
2786 (98.9%) exact matches, in which:
2737 unique CDR3
14 unique J



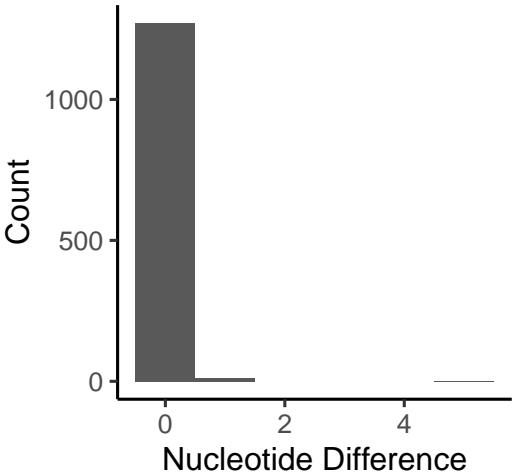
TRBV12-5*ap01

1002 sequences assigned
983 (98.1%) exact matches, in which:
965 unique CDR3
13 unique J



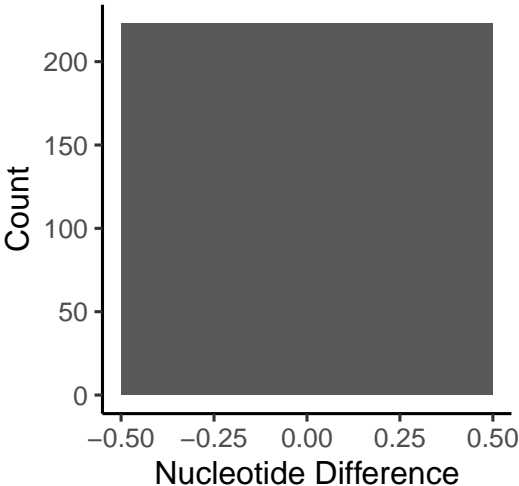
TRBV11-1*ap01

1284 sequences assigned
1271 (99%) exact matches, in which:
1237 unique CDR3
13 unique J



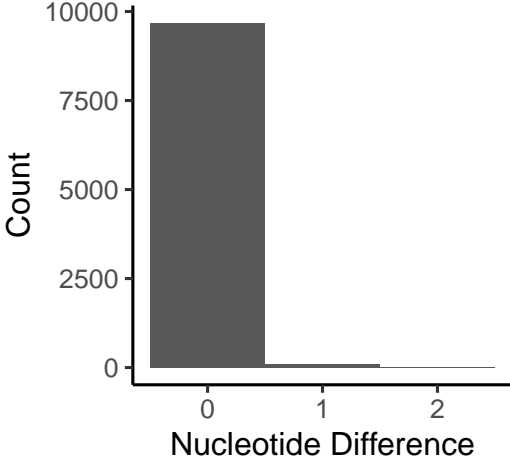
TRBV12-1*ap01

223 sequences assigned
223 (100%) exact matches, in which:
219 unique CDR3
13 unique J



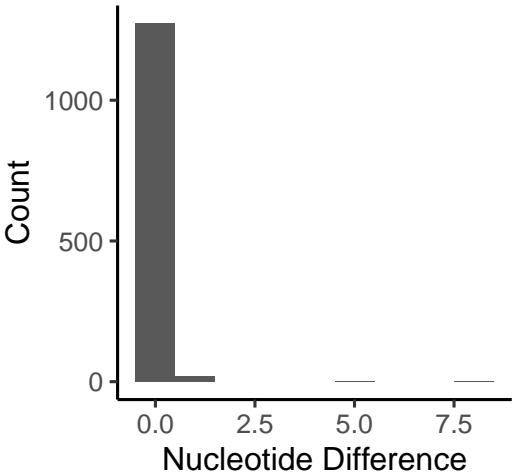
TRBV12-34*ap01

9797 sequences assigned
9683 (98.8%) exact matches, in which:
9486 unique CDR3
13 unique J



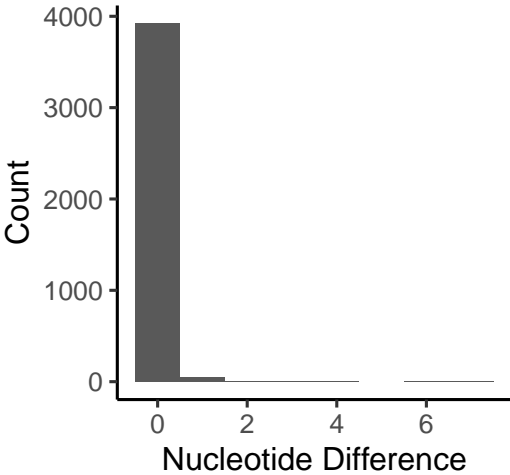
TRBV23-1*ap01

1298 sequences assigned
1273 (98.1%) exact matches, in which:
1244 unique CDR3
13 unique J



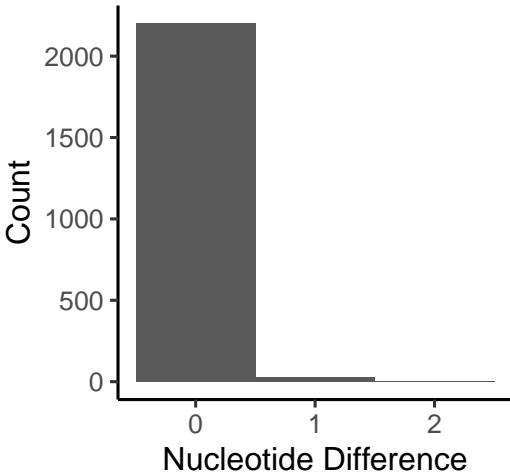
TRBV24-1*ap01

3978 sequences assigned
3922 (98.6%) exact matches, in which:
3857 unique CDR3
13 unique J



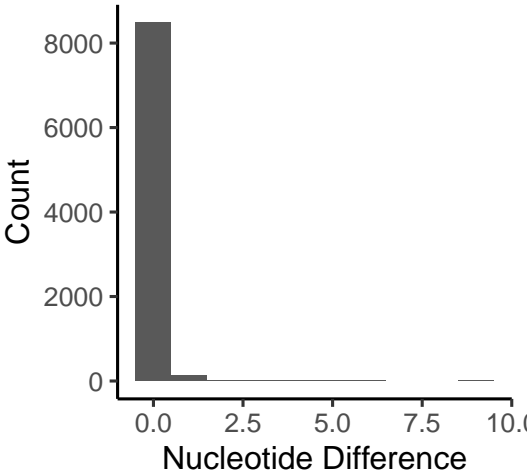
TRBV25-1*ap01

2230 sequences assigned
2201 (98.7%) exact matches, in which:
2152 unique CDR3
13 unique J



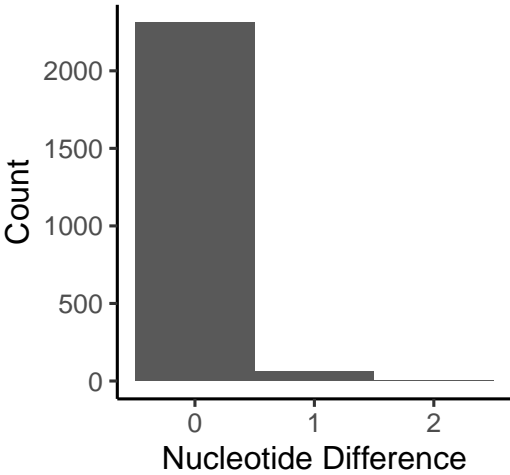
TRBV3-12*ap01

8619 sequences assigned
8482 (98.4%) exact matches, in which:
8277 unique CDR3
13 unique J



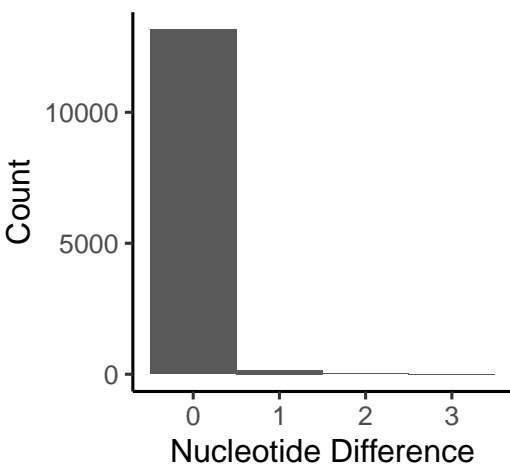
TRBV4-2*ap01

2372 sequences assigned
2310 (97.4%) exact matches, in which:
2264 unique CDR3
13 unique J



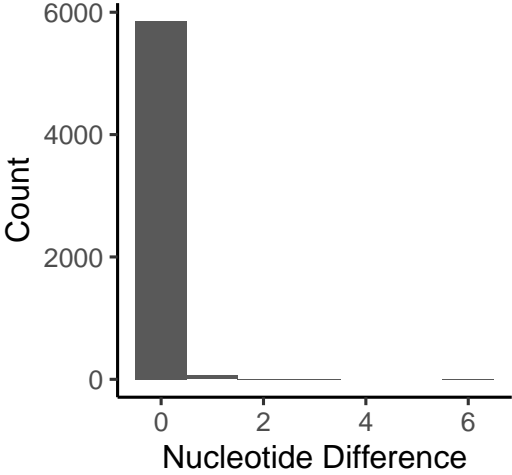
TRBV5-1*ap01

13345 sequences assigned
13162 (98.6%) exact matches, in which:
12789 unique CDR3
13 unique J



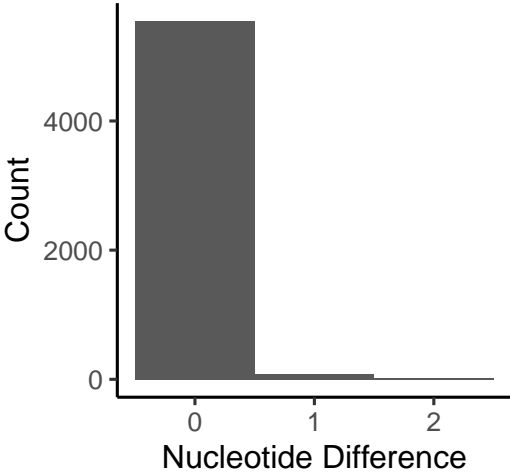
TRBV4-1*ap01

5927 sequences assigned
5856 (98.8%) exact matches, in which:
5724 unique CDR3
13 unique J



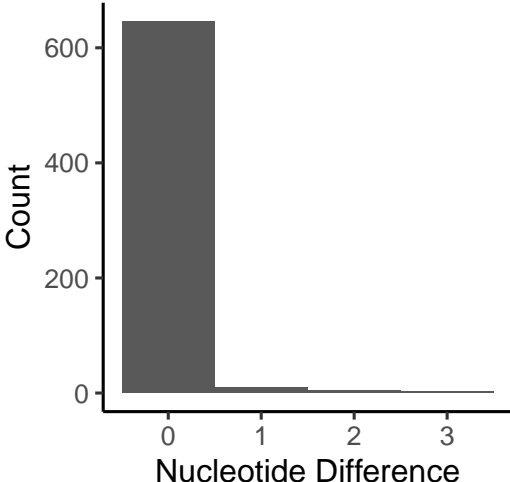
TRBV4-3*ap01

5648 sequences assigned
5547 (98.2%) exact matches, in which:
5437 unique CDR3
13 unique J



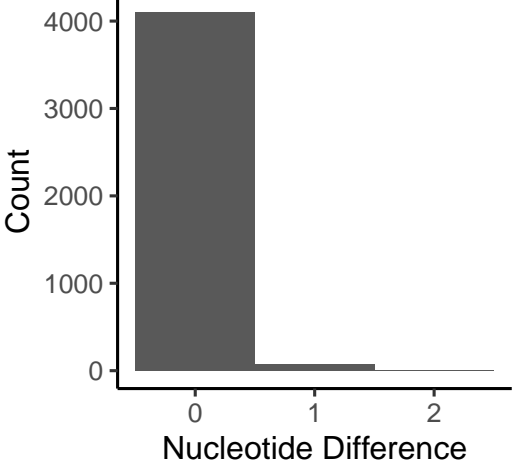
TRBV5-3*ap01

662 sequences assigned
646 (97.6%) exact matches, in which:
636 unique CDR3
13 unique J



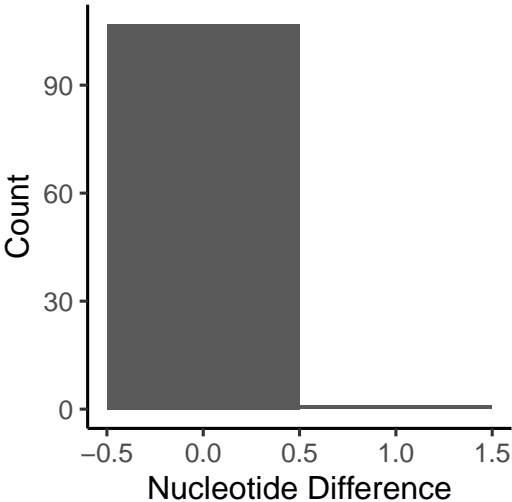
TRBV5-4*ap01

4180 sequences assigned
4099 (98.1%) exact matches, in which:
4013 unique CDR3
13 unique J



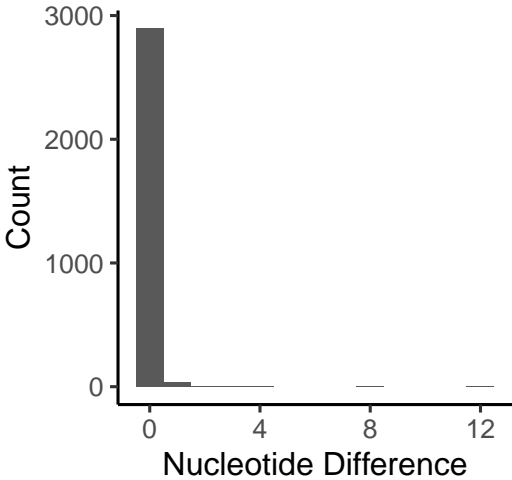
TRBV5-7*ap01

108 sequences assigned
107 (99.1%) exact matches, in which:
107 unique CDR3
13 unique J



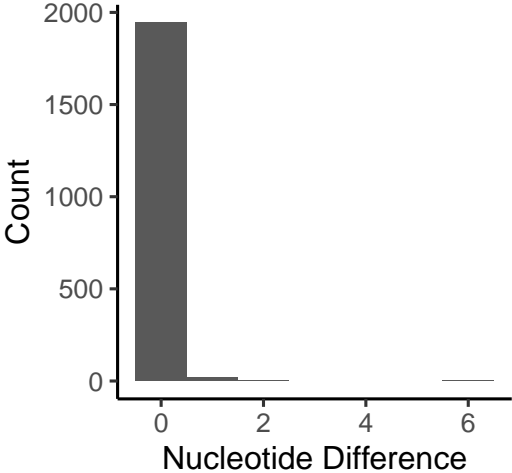
TRBV6-4*ap01

2945 sequences assigned
2896 (98.3%) exact matches, in which:
2854 unique CDR3
13 unique J



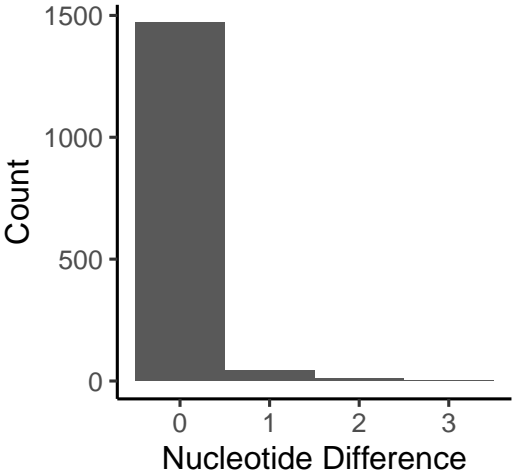
TRBV5-5*ap01

1968 sequences assigned
1944 (98.8%) exact matches, in which:
1913 unique CDR3
13 unique J



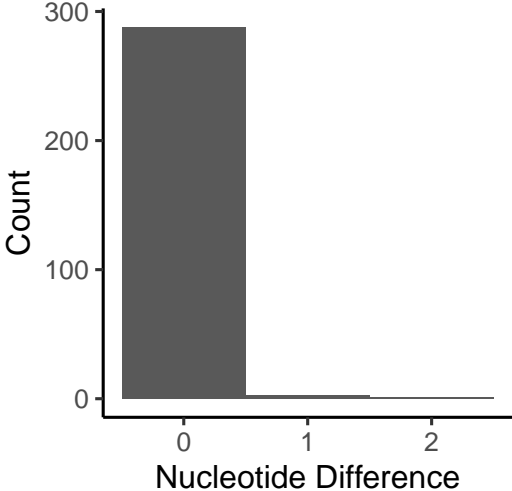
TRBV5-8*ap01

1527 sequences assigned
1470 (96.3%) exact matches, in which:
1440 unique CDR3
13 unique J



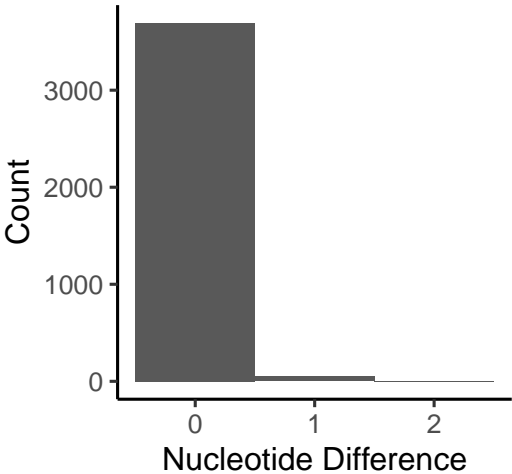
TRBV6-7*ap01

292 sequences assigned
288 (98.6%) exact matches, in which:
281 unique CDR3
13 unique J



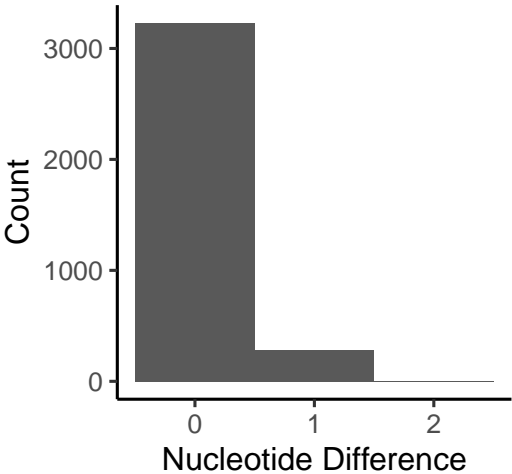
TRBV5-6*ap01

3745 sequences assigned
3692 (98.6%) exact matches, in which:
3581 unique CDR3
13 unique J



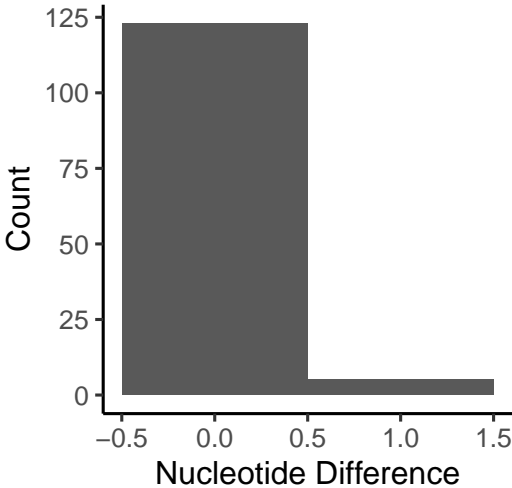
TRBV6-1*ap01

3514 sequences assigned
3229 (91.9%) exact matches, in which:
3141 unique CDR3
13 unique J



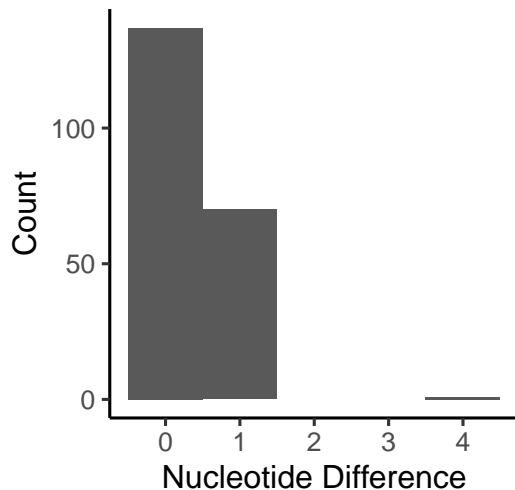
TRBV6-8*ap01

128 sequences assigned
123 (96.1%) exact matches, in which:
122 unique CDR3
13 unique J



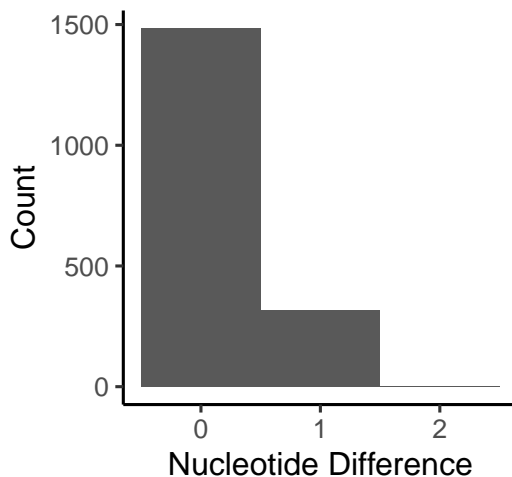
TRBV6-9*ap01

208 sequences assigned
137 (65.9%) exact matches, in which:
132 unique CDR3
13 unique J



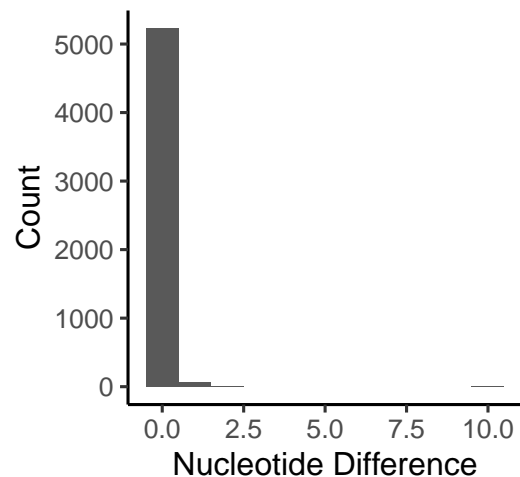
TRBV6-56*ap02

1804 sequences assigned
1484 (82.3%) exact matches, in which:
1451 unique CDR3
13 unique J



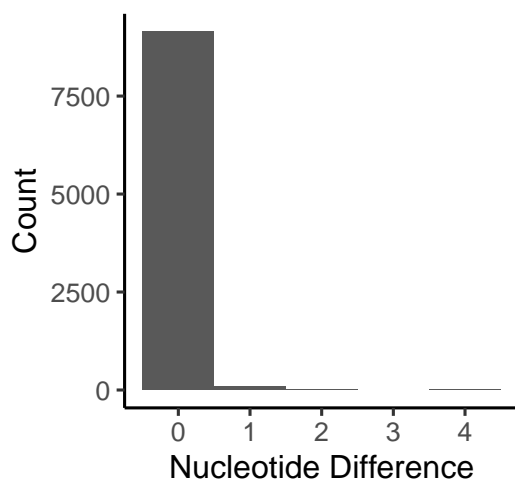
TRBV7-3*ap01

5295 sequences assigned
5228 (98.7%) exact matches, in which:
5135 unique CDR3
13 unique J



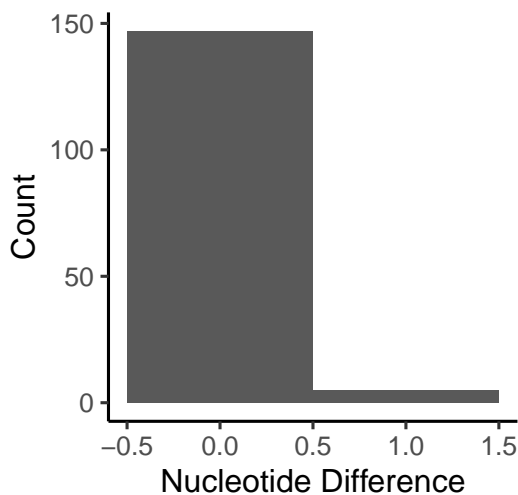
TRBV6-23*ap01

9253 sequences assigned
9142 (98.8%) exact matches, in which:
8959 unique CDR3
13 unique J



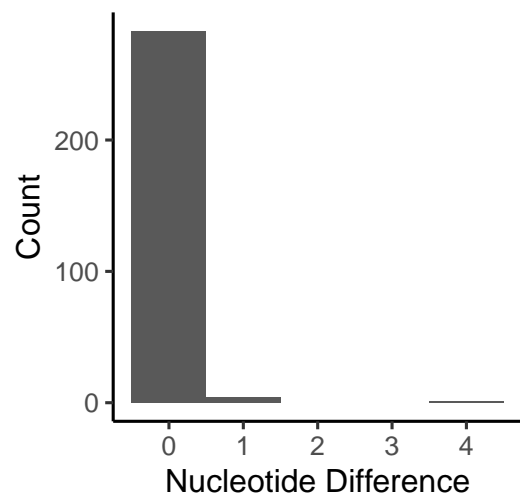
TRBV7-1*ap01_G291C_

152 sequences assigned
147 (96.7%) exact matches, in which:
146 unique CDR3
13 unique J



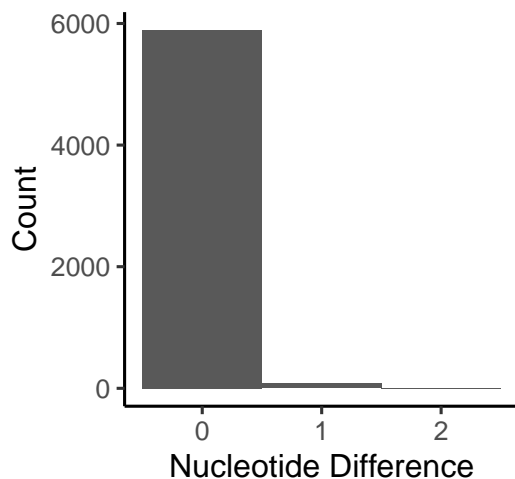
TRBV7-4*ap01

288 sequences assigned
283 (98.3%) exact matches, in which:
275 unique CDR3
13 unique J



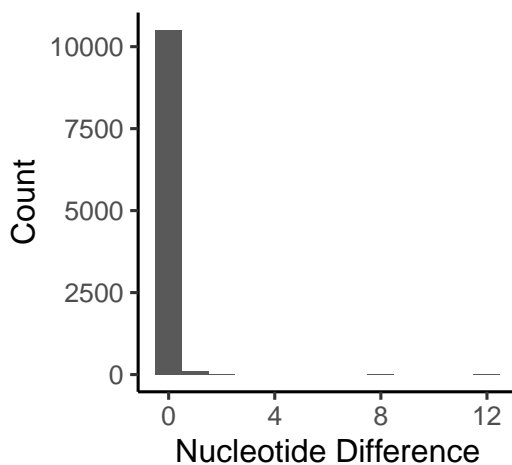
TRBV6-56*ap01

5974 sequences assigned
5892 (98.6%) exact matches, in which:
5751 unique CDR3
13 unique J



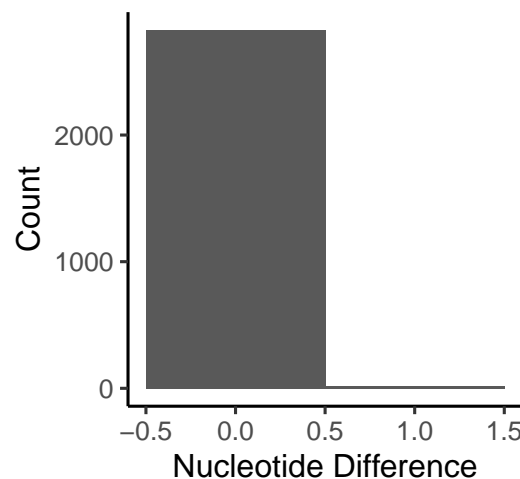
TRBV7-2*ap01

10624 sequences assigned
10514 (99%) exact matches, in which:
10311 unique CDR3
13 unique J



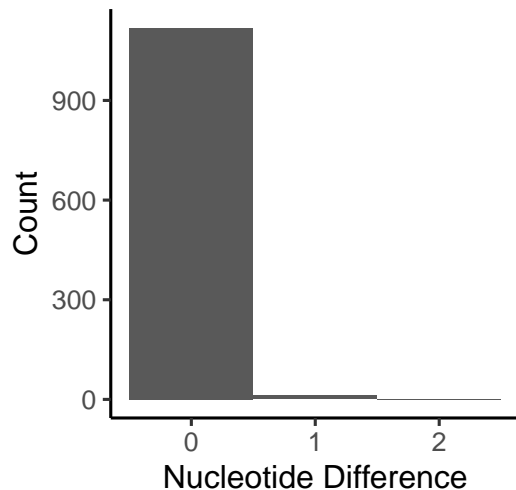
TRBV7-6*ap01

2848 sequences assigned
2829 (99.3%) exact matches, in which:
2781 unique CDR3
13 unique J



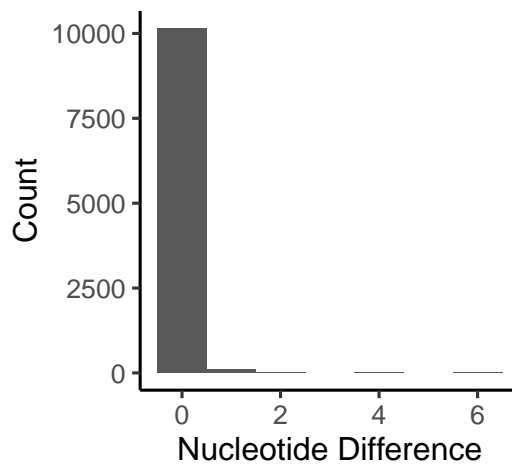
TRBV7-7*ap01_C315T

1132 sequences assigned
1119 (98.9%) exact matches, in which:
1103 unique CDR3
13 unique J



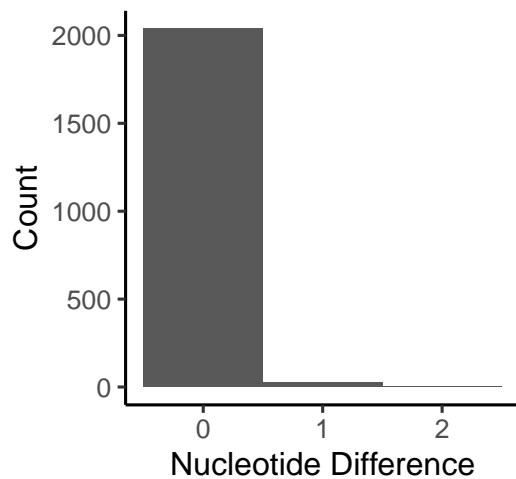
TRBV7-9*ap01

10255 sequences assigned
10156 (99%) exact matches, in which:
9993 unique CDR3
13 unique J



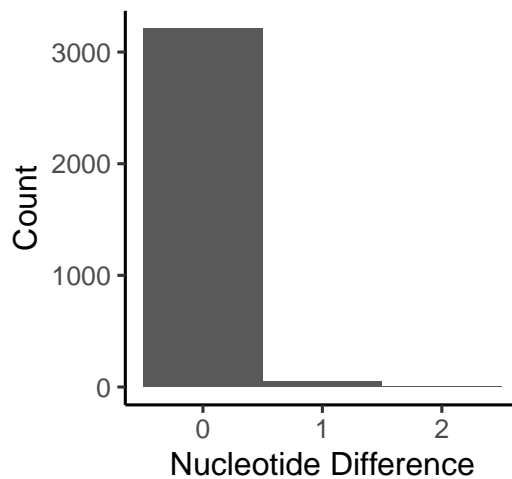
TRBV7-8*ap01

2065 sequences assigned
2038 (98.7%) exact matches, in which:
2001 unique CDR3
13 unique J



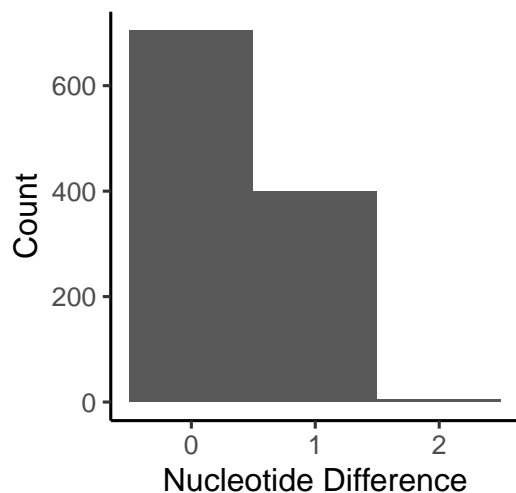
TRBV29-1*ap01

3261 sequences assigned
3209 (98.4%) exact matches, in which:
3154 unique CDR3
13 unique J



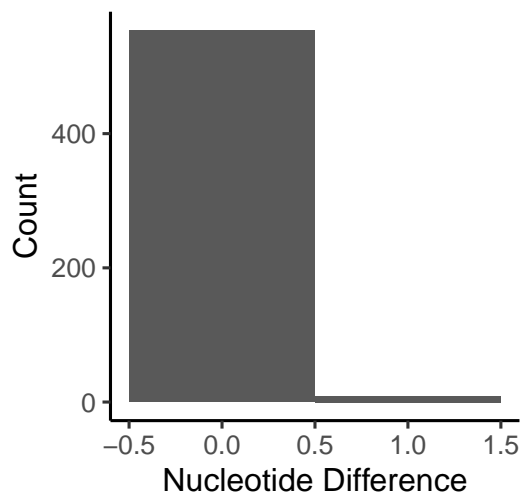
TRBV7-8*ap03

1108 sequences assigned
705 (63.6%) exact matches, in which:
692 unique CDR3
13 unique J

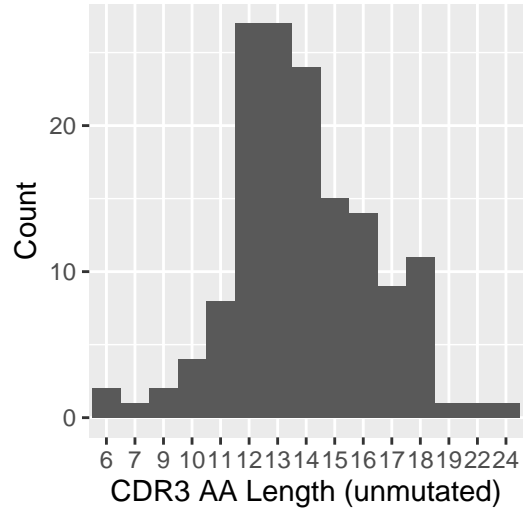


TRBV29-1*ap02

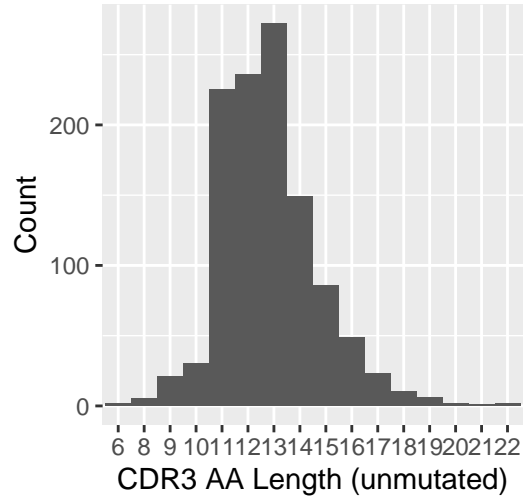
563 sequences assigned
554 (98.4%) exact matches, in which:
550 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]