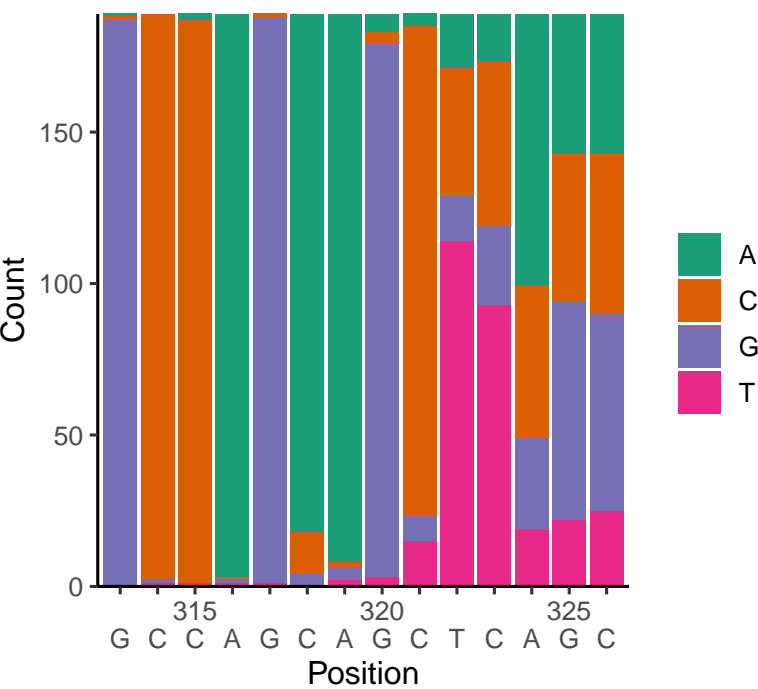
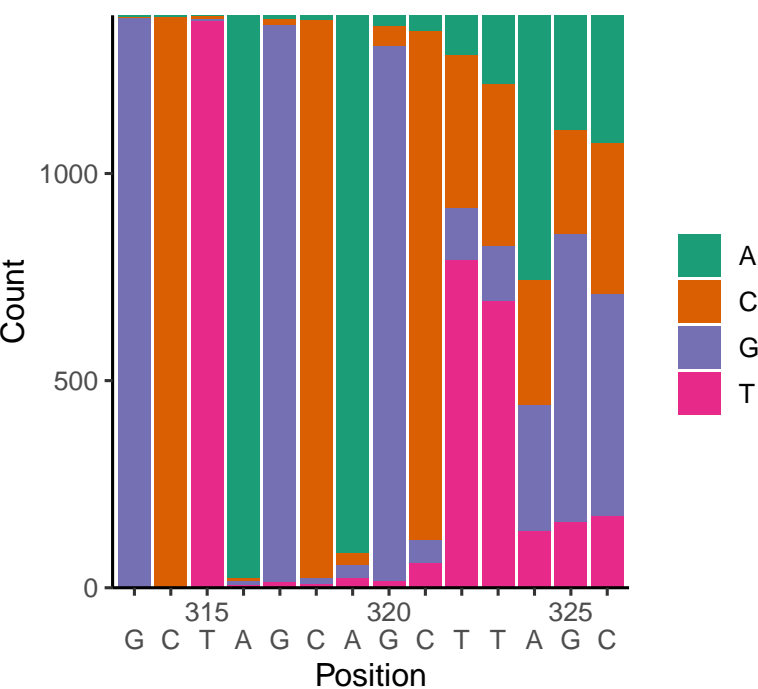


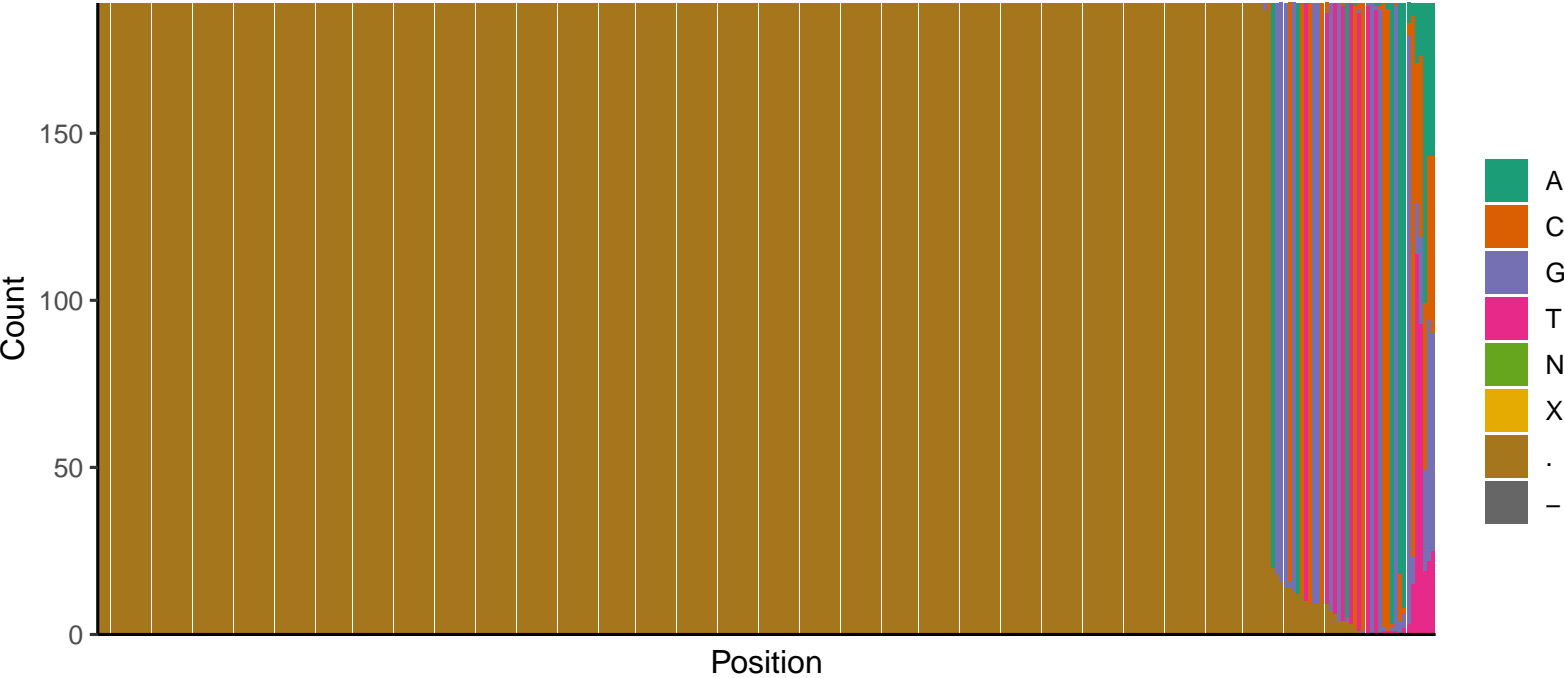
Gene TRBV7-1*ap01_G291C_T296C



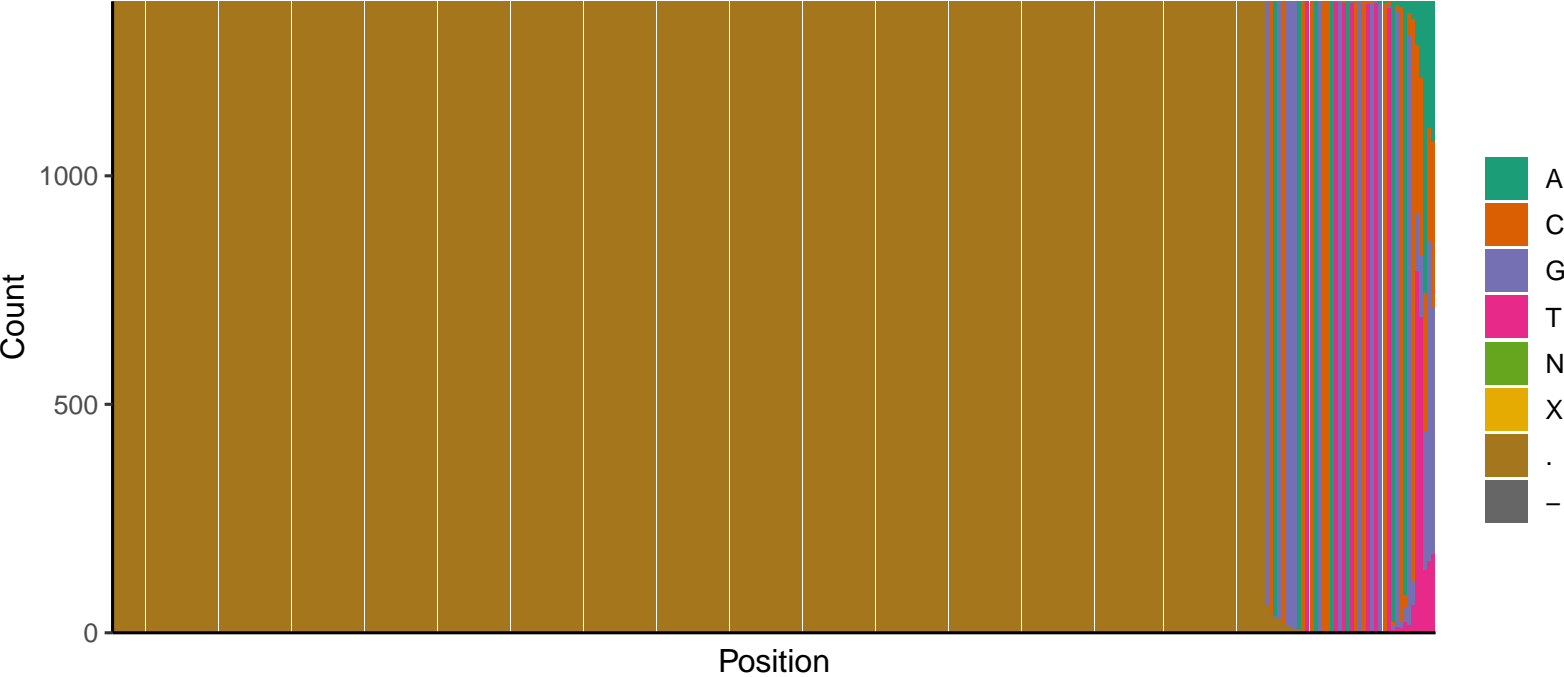
Gene TRBV7-7*ap01_C315T



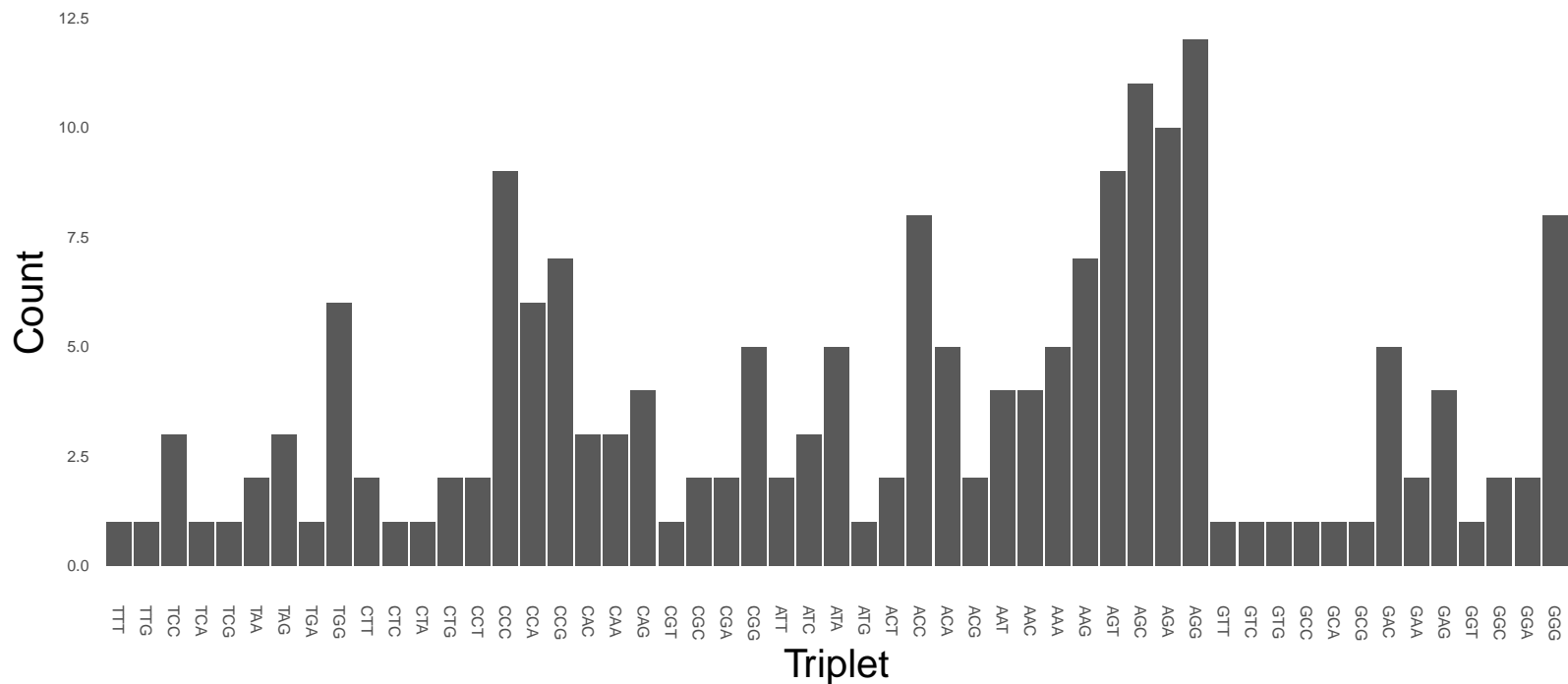
Gene TRBV7-1*ap01_G291C_T296C



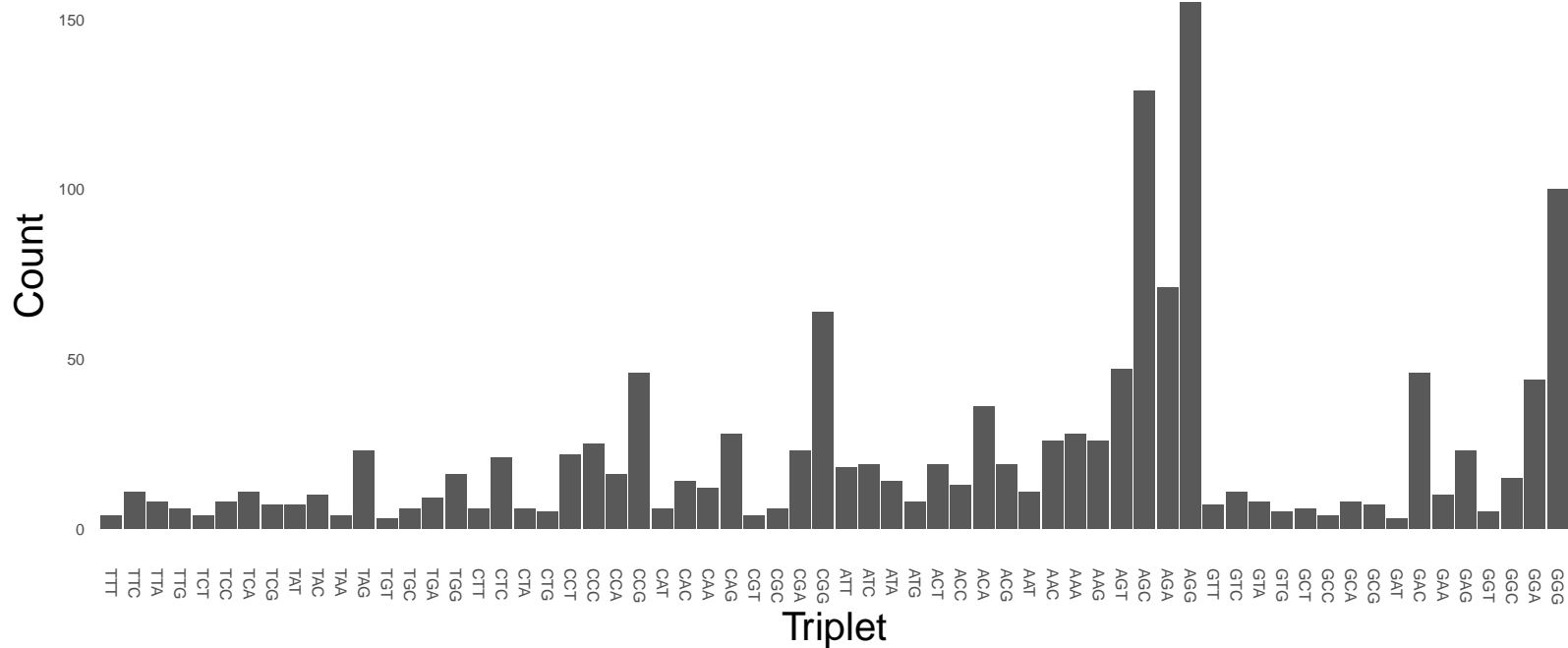
Gene TRBV7-7*ap01_C315T



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

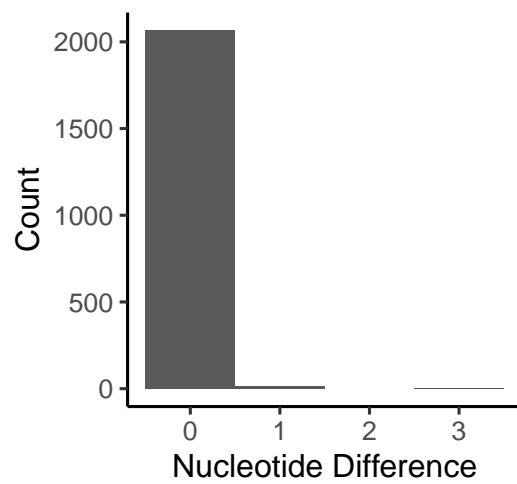


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



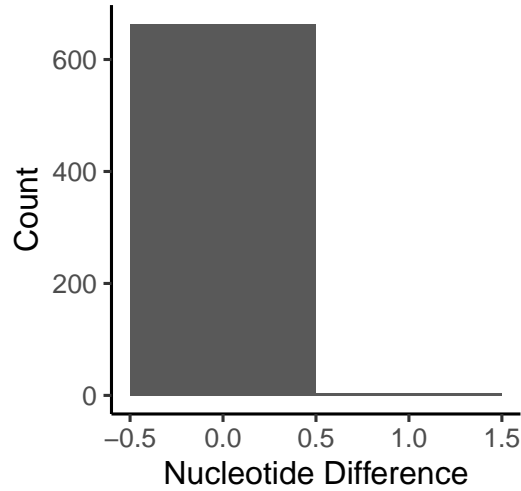
TRBV10-1*ap01

2081 sequences assigned
2066 (99.3%) exact matches, in which:
2030 unique CDR3
13 unique J



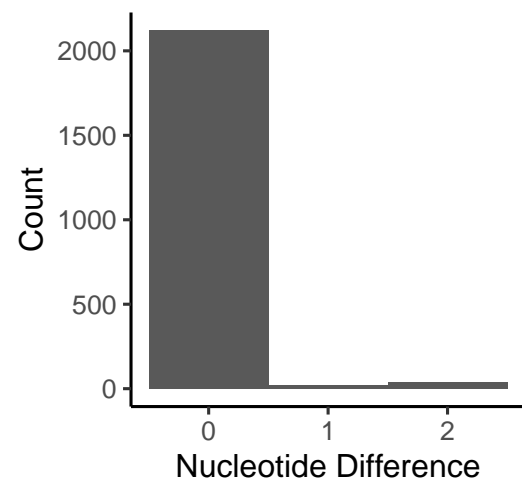
TRBV10-2*ap01

668 sequences assigned
664 (99.4%) exact matches, in which:
646 unique CDR3
13 unique J



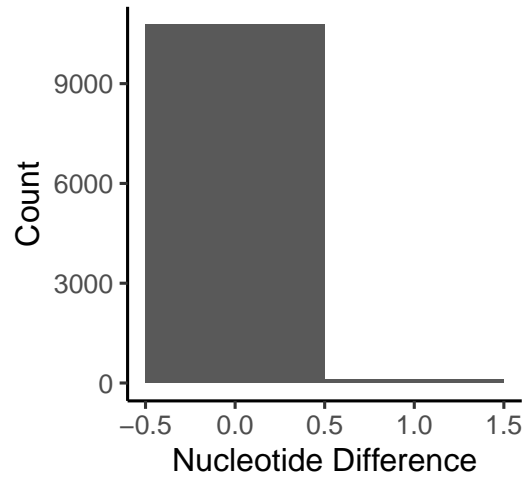
TRBV13*ap01

2177 sequences assigned
2121 (97.4%) exact matches, in which:
2051 unique CDR3
13 unique J



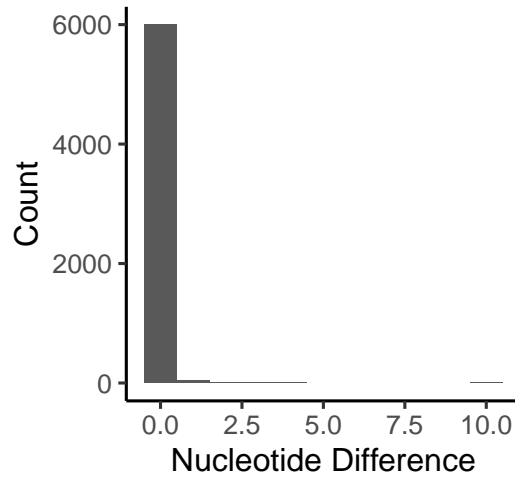
TRBV20-1*ap01

10879 sequences assigned
10771 (99%) exact matches, in which:
10601 unique CDR3
13 unique J



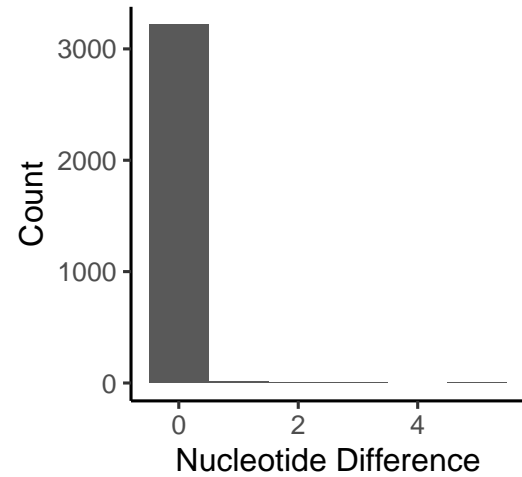
TRBV10-3*ap01

6046 sequences assigned
5998 (99.2%) exact matches, in which:
5889 unique CDR3
13 unique J



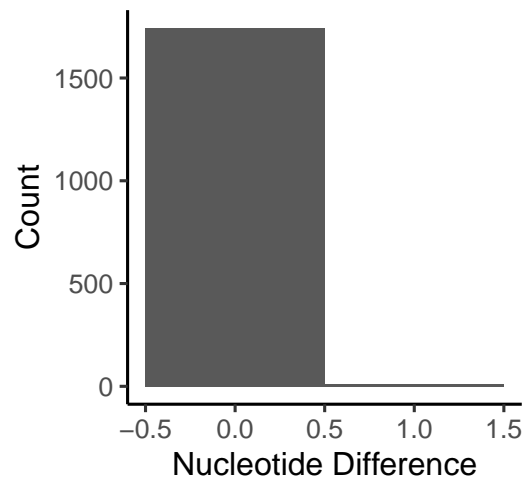
TRBV14*ap01

3237 sequences assigned
3217 (99.4%) exact matches, in which:
3163 unique CDR3
13 unique J



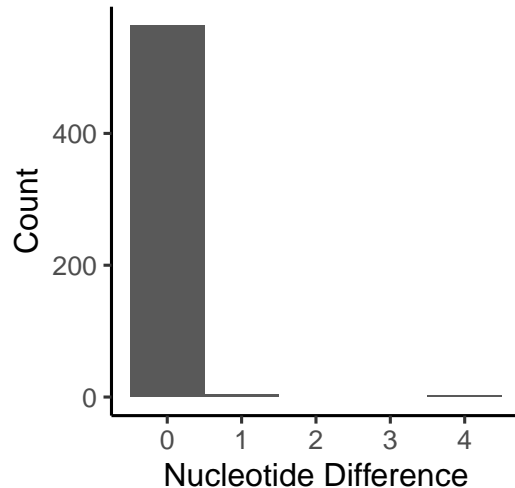
TRBV20-1*ap02

1753 sequences assigned
1743 (99.4%) exact matches, in which:
1724 unique CDR3
13 unique J



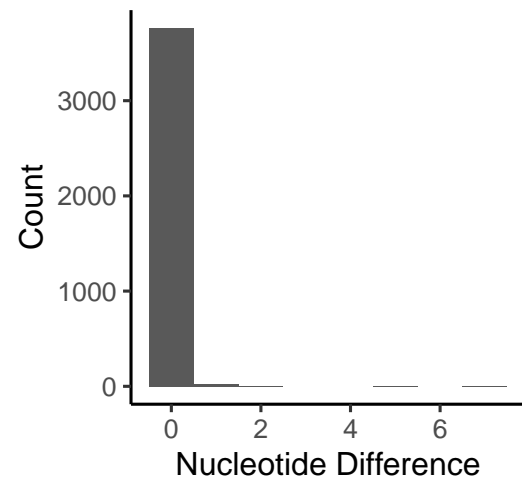
TRBV1*ap01

570 sequences assigned
564 (98.9%) exact matches, in which:
543 unique CDR3
13 unique J



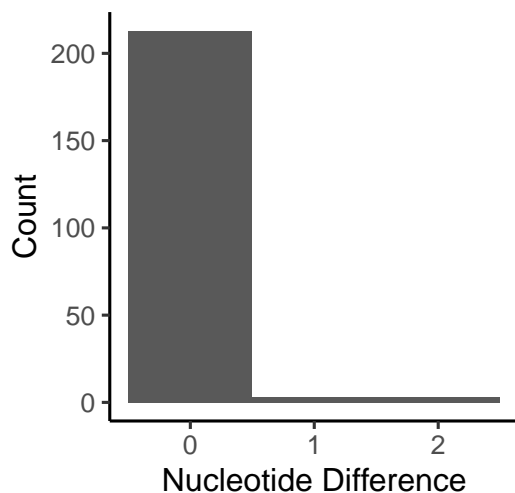
TRBV15*ap02

3797 sequences assigned
3763 (99.1%) exact matches, in which:
3677 unique CDR3
13 unique J



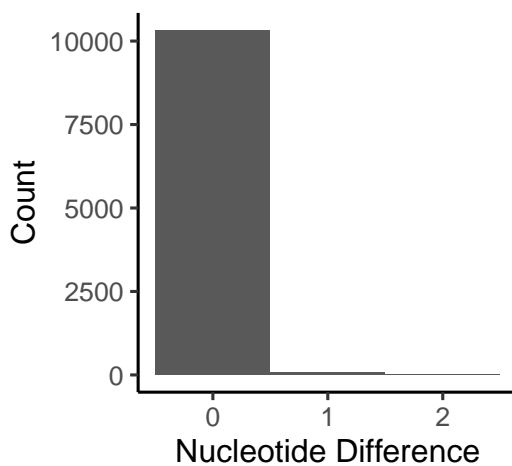
TRBV16*ap01

219 sequences assigned
213 (97.3%) exact matches, in which:
208 unique CDR3
13 unique J



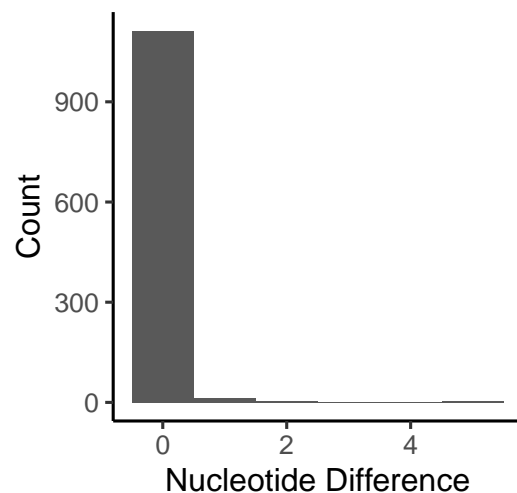
TRBV2*ap01

10405 sequences assigned
10327 (99.3%) exact matches, in which:
10138 unique CDR3
13 unique J



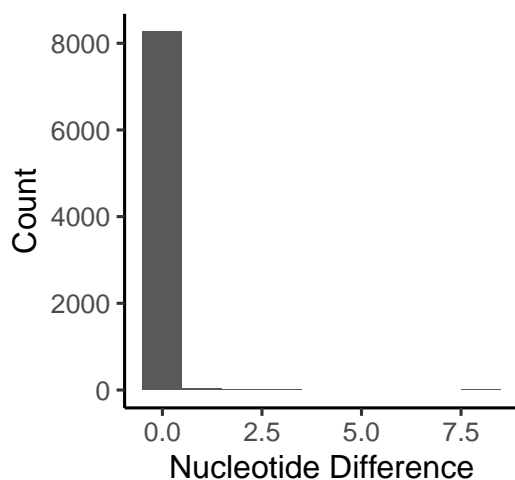
TRBV30*ap02

1137 sequences assigned
1113 (97.9%) exact matches, in which:
1076 unique CDR3
13 unique J



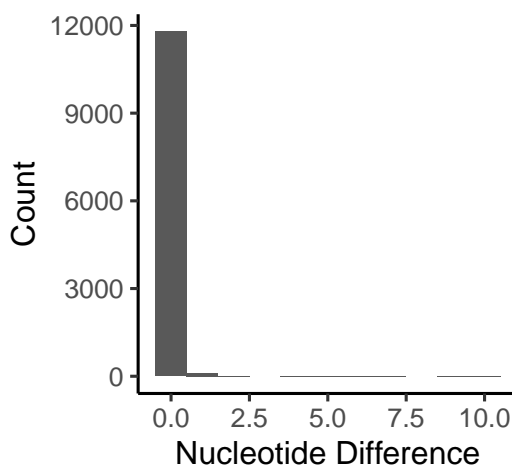
TRBV18*ap01

8313 sequences assigned
8266 (99.4%) exact matches, in which:
8174 unique CDR3
13 unique J



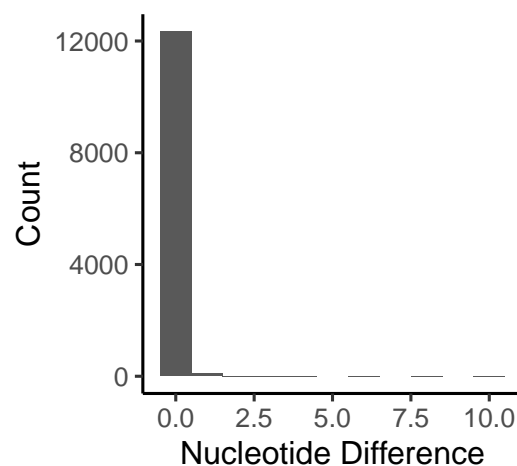
TRBV27*ap01

11914 sequences assigned
11794 (99%) exact matches, in which:
11526 unique CDR3
13 unique J



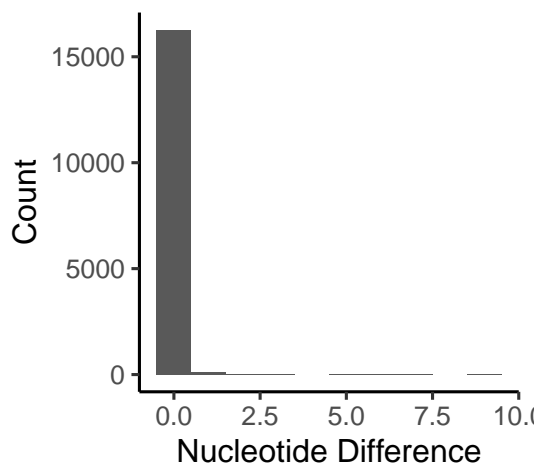
TRBV9*ap01

12452 sequences assigned
12341 (99.1%) exact matches, in which:
12189 unique CDR3
13 unique J



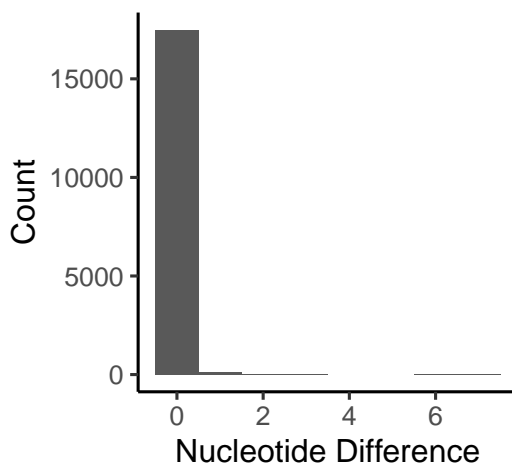
TRBV19*ap01

16425 sequences assigned
16273 (99.1%) exact matches, in which:
16097 unique CDR3
13 unique J



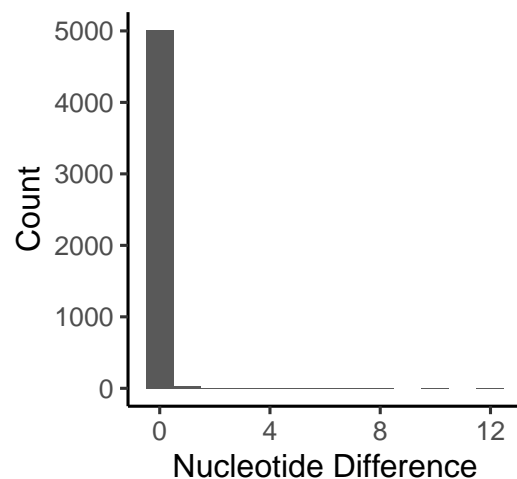
TRBV28*ap01

17613 sequences assigned
17488 (99.3%) exact matches, in which:
17165 unique CDR3
13 unique J



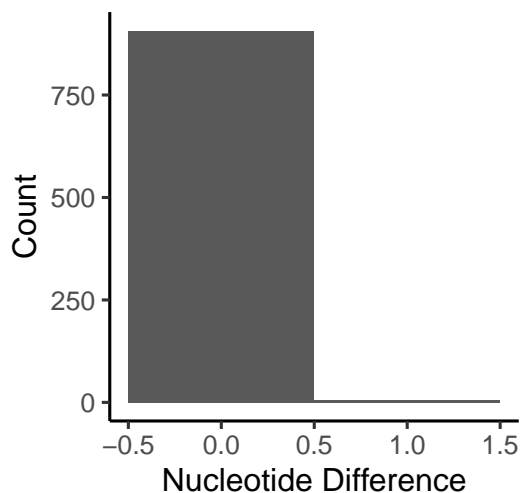
TRBV21-1*ap01

5066 sequences assigned
5012 (98.9%) exact matches, in which:
4957 unique CDR3
13 unique J



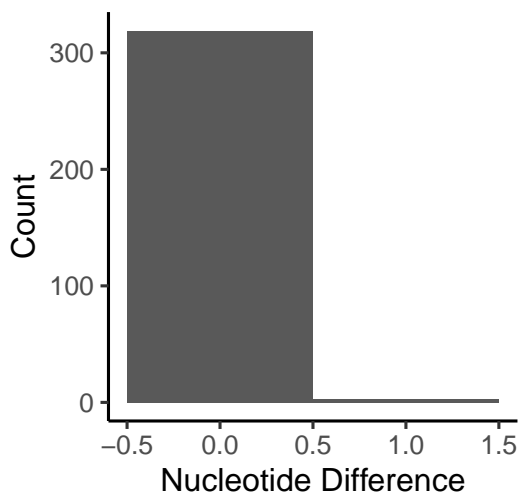
TRBV11-1*ap01

912 sequences assigned
907 (99.5%) exact matches, in which:
900 unique CDR3
13 unique J



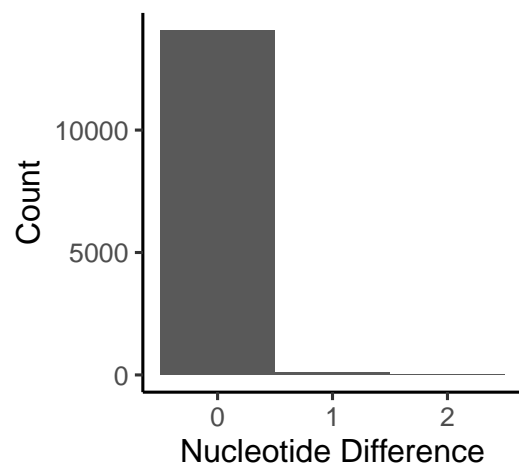
TRBV12-1*ap01

322 sequences assigned
319 (99.1%) exact matches, in which:
317 unique CDR3
13 unique J



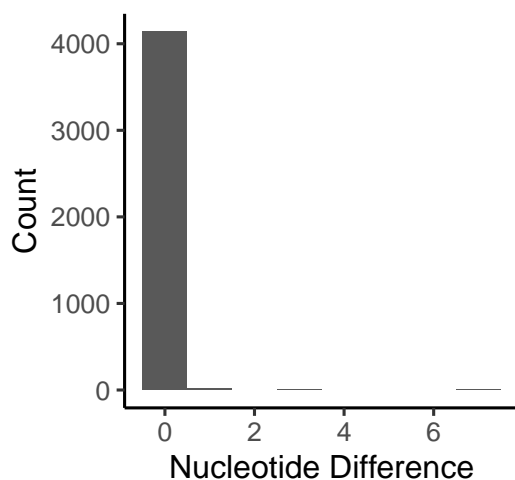
TRBV12-34*ap01

14206 sequences assigned
14081 (99.1%) exact matches, in which:
13826 unique CDR3
13 unique J



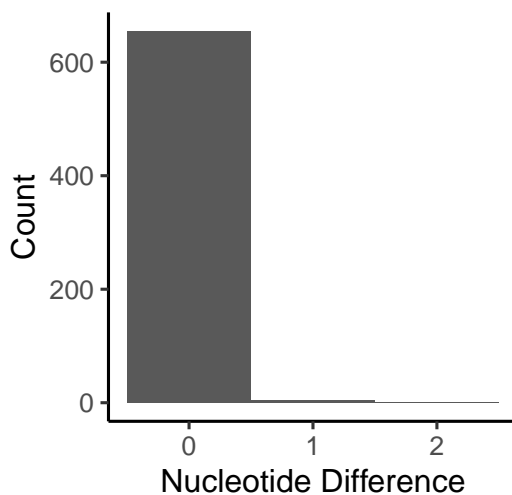
TRBV11-2*ap01

4160 sequences assigned
4139 (99.5%) exact matches, in which:
4103 unique CDR3
13 unique J



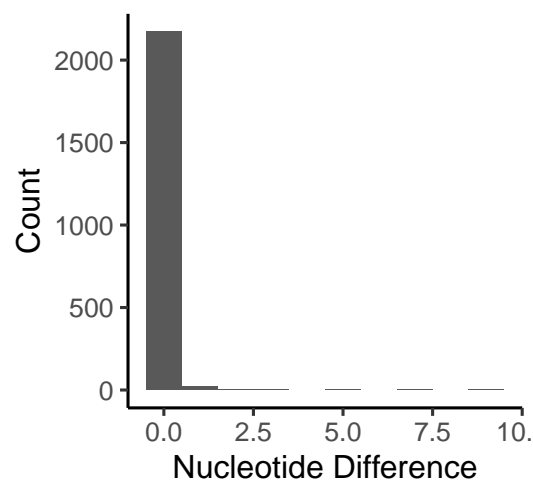
TRBV12-2*ap01

661 sequences assigned
655 (99.1%) exact matches, in which:
644 unique CDR3
13 unique J



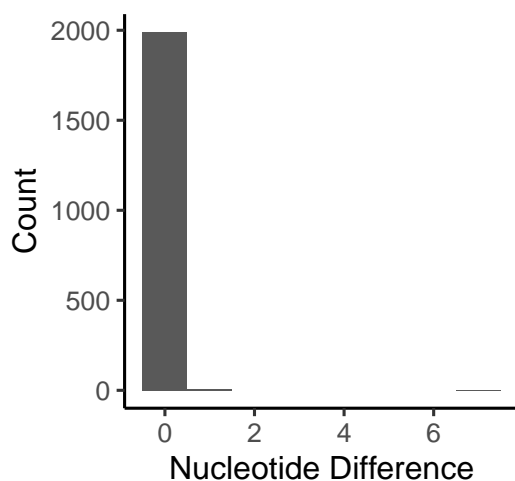
TRBV23-1*ap01

2198 sequences assigned
2172 (98.8%) exact matches, in which:
2131 unique CDR3
13 unique J



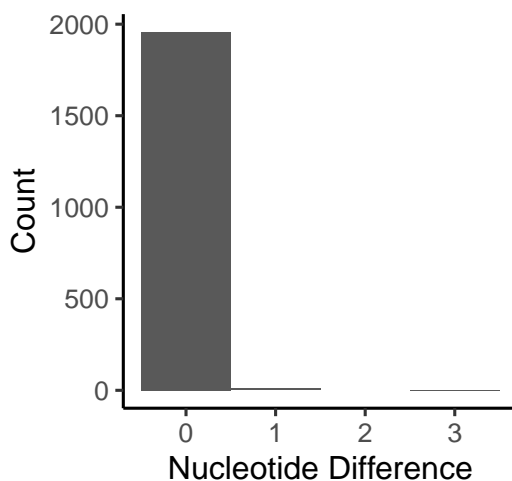
TRBV11-3*ap01

1999 sequences assigned
1990 (99.5%) exact matches, in which:
1974 unique CDR3
13 unique J



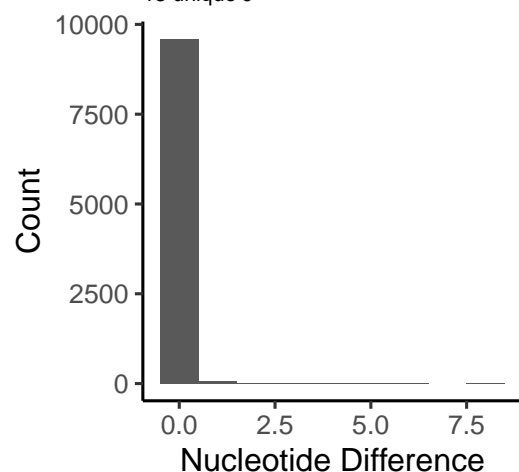
TRBV12-5*ap01

1968 sequences assigned
1957 (99.4%) exact matches, in which:
1923 unique CDR3
13 unique J



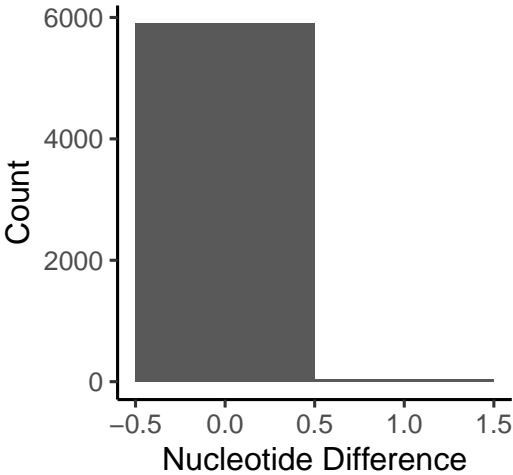
TRBV3-12*ap01

9674 sequences assigned
9599 (99.2%) exact matches, in which:
9480 unique CDR3
13 unique J



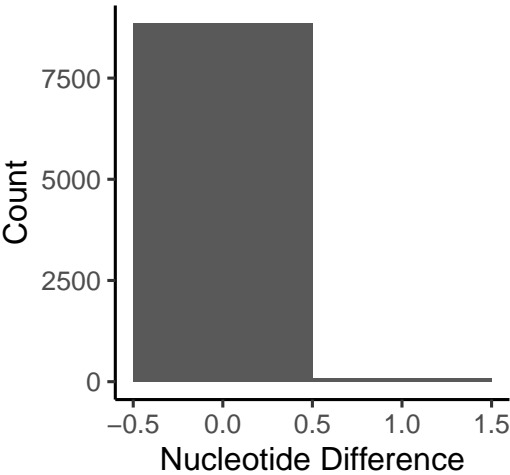
TRBV4-1*ap01

5942 sequences assigned
5902 (99.3%) exact matches, in which:
5747 unique CDR3
13 unique J



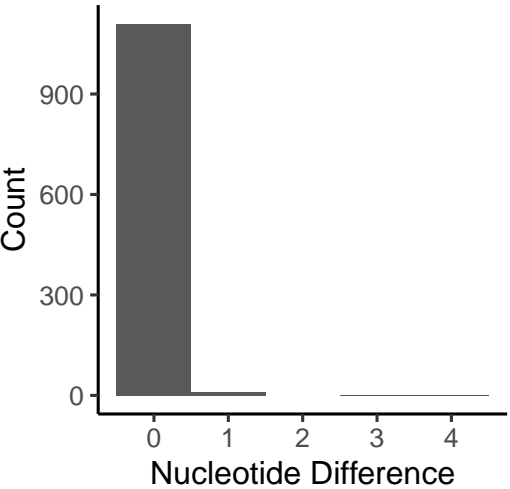
TRBV4-3*ap01

8940 sequences assigned
8851 (99%) exact matches, in which:
8657 unique CDR3
13 unique J



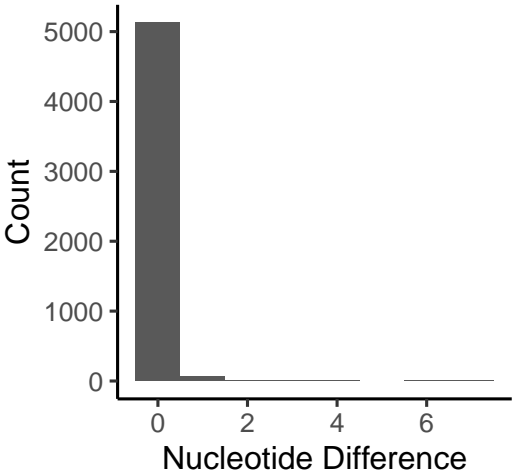
TRBV5-3*ap01

1122 sequences assigned
1110 (98.9%) exact matches, in which:
1090 unique CDR3
13 unique J



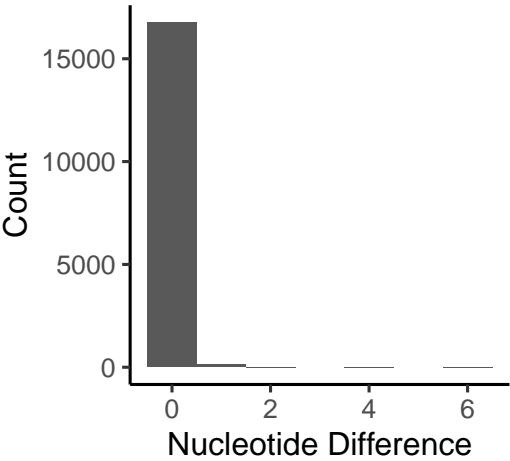
TRBV24-1*ap01

5200 sequences assigned
5127 (98.6%) exact matches, in which:
5031 unique CDR3
13 unique J



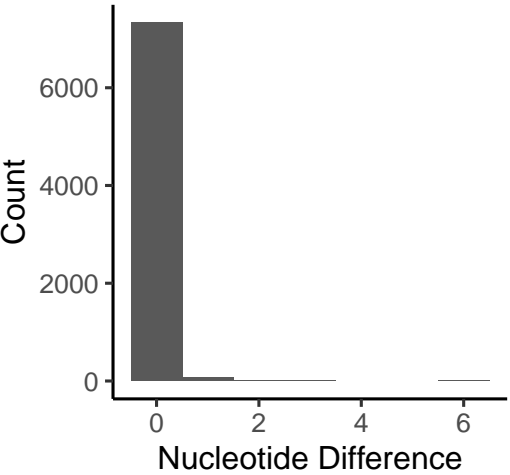
TRBV5-1*ap01

16914 sequences assigned
16764 (99.1%) exact matches, in which:
16367 unique CDR3
13 unique J



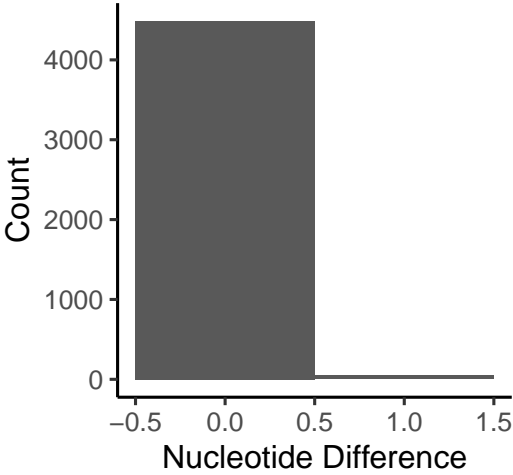
TRBV5-4*ap01

7406 sequences assigned
7330 (99%) exact matches, in which:
7137 unique CDR3
13 unique J



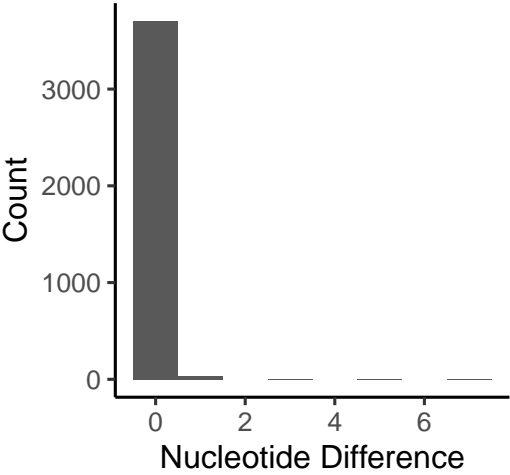
TRBV4-2*ap01

4532 sequences assigned
4486 (99%) exact matches, in which:
4384 unique CDR3
13 unique J



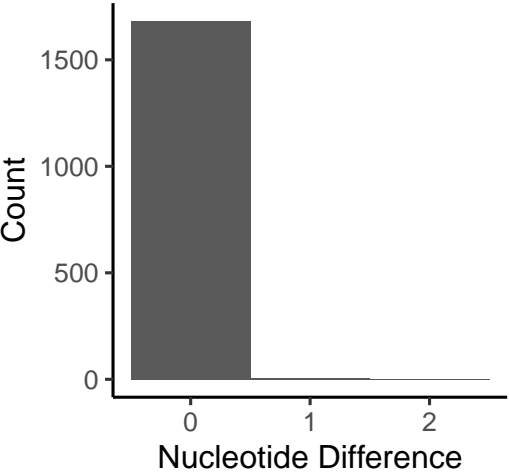
TRBV25-1*ap01

3740 sequences assigned
3703 (99%) exact matches, in which:
3607 unique CDR3
13 unique J



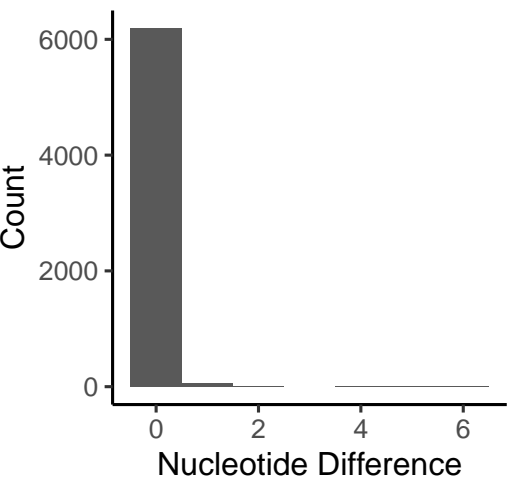
TRBV5-5*ap01

1688 sequences assigned
1682 (99.6%) exact matches, in which:
1673 unique CDR3
13 unique J



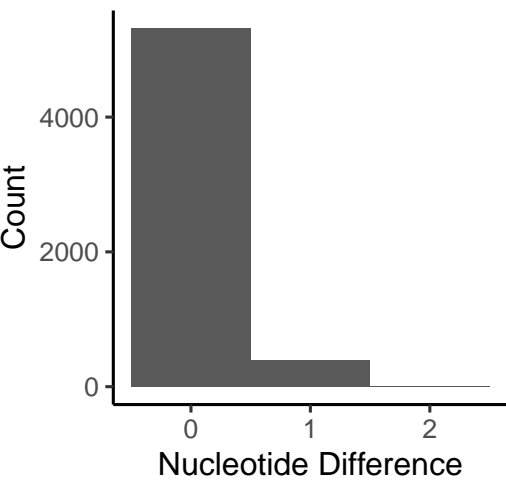
TRBV5-6*ap01

6259 sequences assigned
6189 (98.9%) exact matches, in which:
5977 unique CDR3
13 unique J



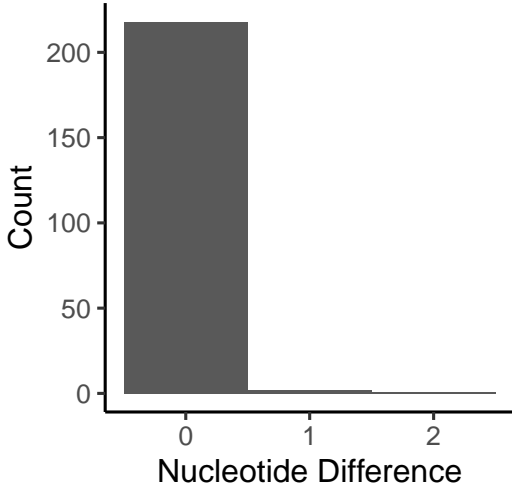
TRBV6-1*ap01

5713 sequences assigned
5316 (93.1%) exact matches, in which:
5199 unique CDR3
13 unique J



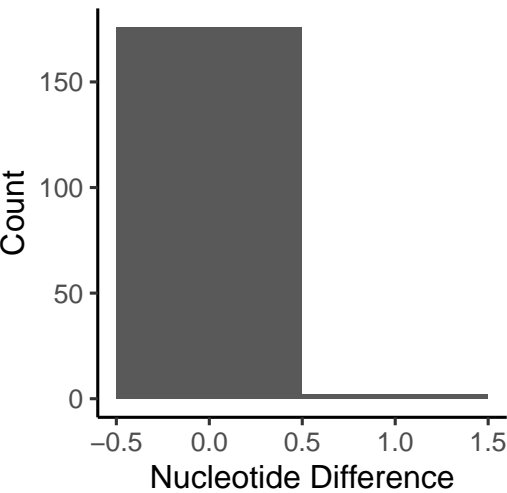
TRBV6-8*ap01

221 sequences assigned
218 (98.6%) exact matches, in which:
208 unique CDR3
13 unique J



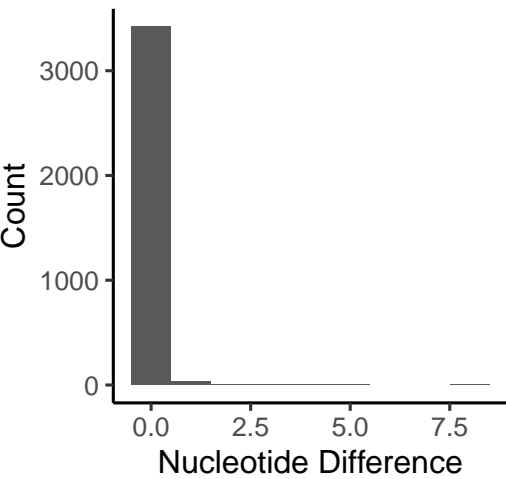
TRBV5-7*ap01

178 sequences assigned
176 (98.9%) exact matches, in which:
173 unique CDR3
13 unique J



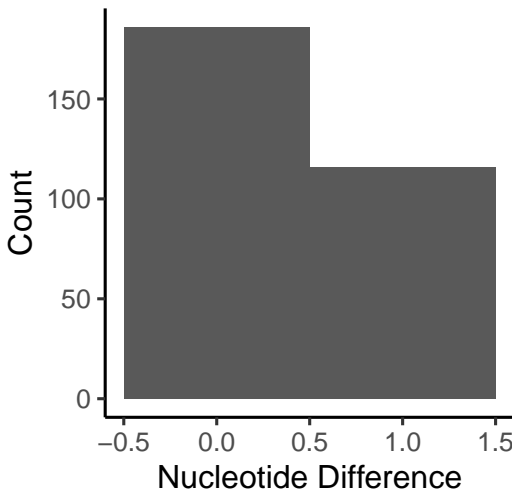
TRBV6-4*ap01

3466 sequences assigned
3420 (98.7%) exact matches, in which:
3350 unique CDR3
13 unique J



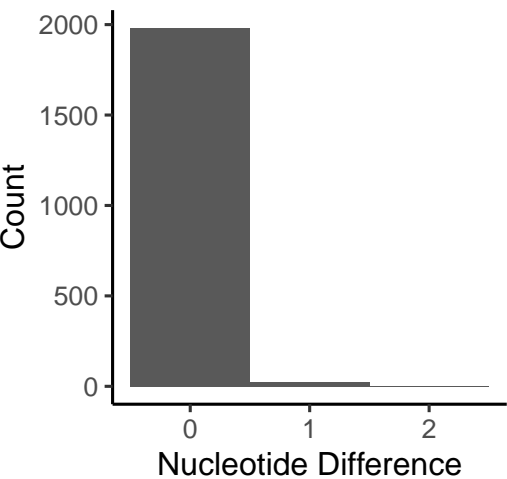
TRBV6-9*ap01

302 sequences assigned
186 (61.6%) exact matches, in which:
179 unique CDR3
13 unique J



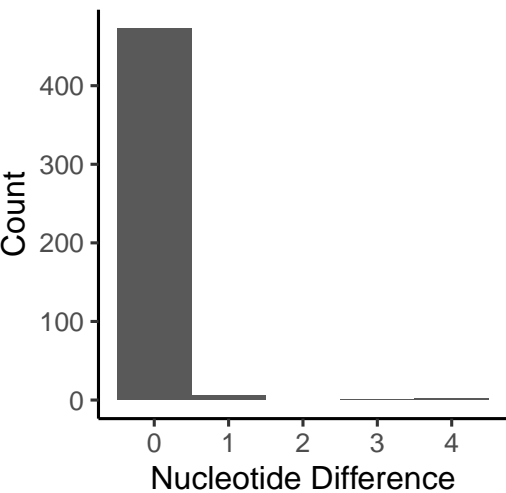
TRBV5-8*ap01

2008 sequences assigned
1981 (98.7%) exact matches, in which:
1942 unique CDR3
13 unique J



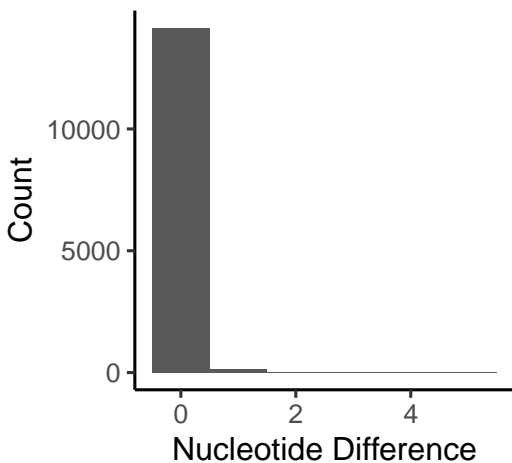
TRBV6-7*ap01

482 sequences assigned
473 (98.1%) exact matches, in which:
462 unique CDR3
13 unique J



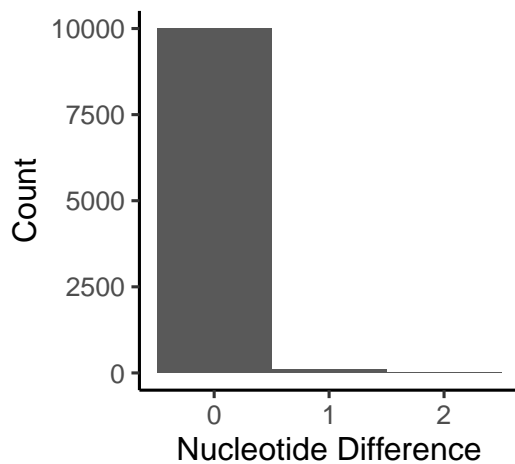
TRBV6-23*ap01

14317 sequences assigned
14152 (98.8%) exact matches, in which:
13777 unique CDR3
13 unique J



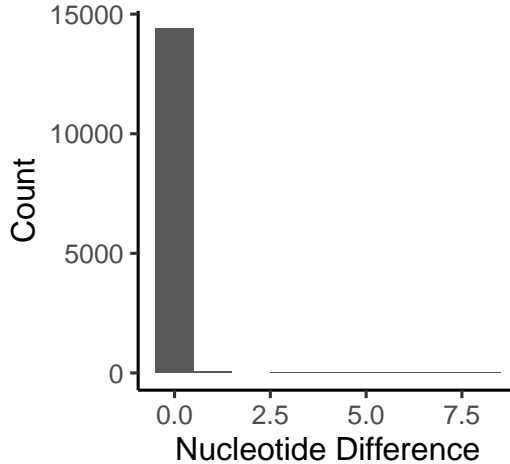
TRBV6-56*ap01

10121 sequences assigned
10011 (98.9%) exact matches, in which:
9735 unique CDR3
13 unique J



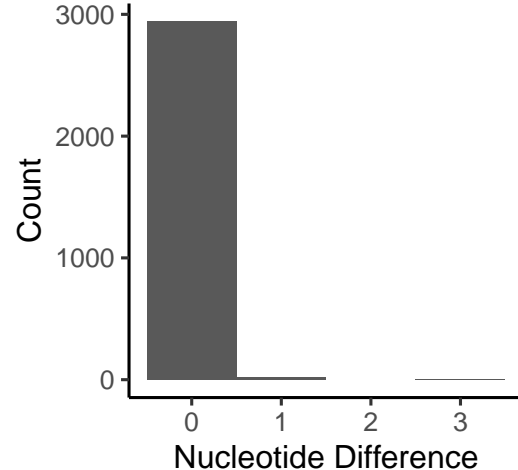
TRBV7-2*ap01

14505 sequences assigned
14414 (99.4%) exact matches, in which:
14208 unique CDR3
13 unique J



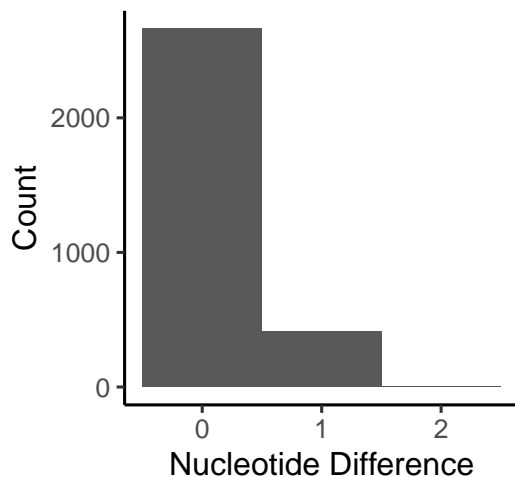
TRBV7-6*ap01

2961 sequences assigned
2942 (99.4%) exact matches, in which:
2882 unique CDR3
13 unique J



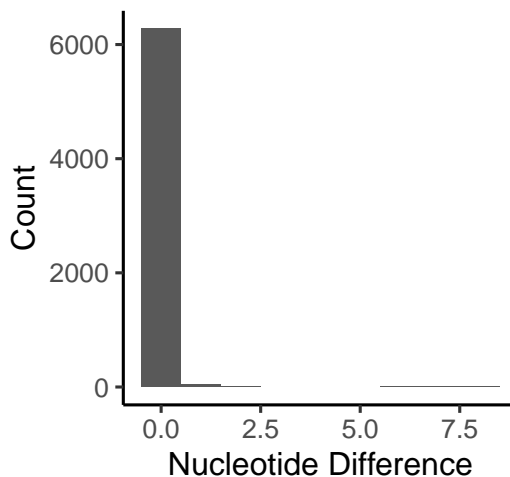
TRBV6-56*ap02

3080 sequences assigned
2662 (86.4%) exact matches, in which:
2578 unique CDR3
13 unique J



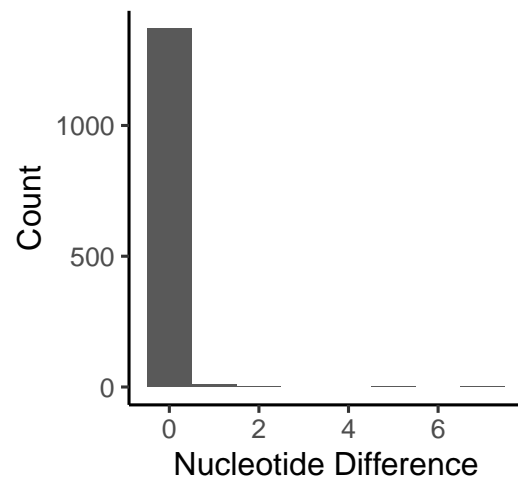
TRBV7-3*ap01

6325 sequences assigned
6277 (99.2%) exact matches, in which:
6180 unique CDR3
13 unique J



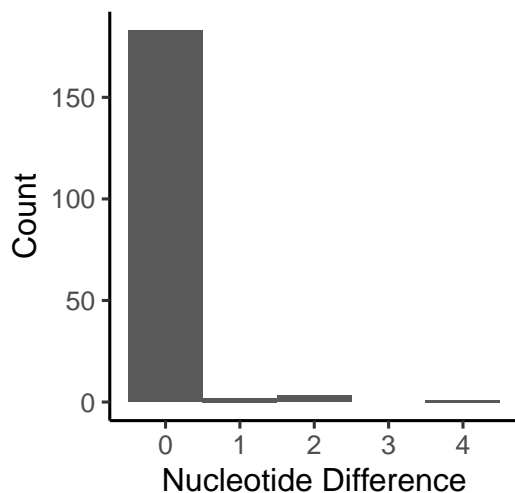
TRBV7-7*ap01_C315T

1382 sequences assigned
1370 (99.1%) exact matches, in which:
1342 unique CDR3
13 unique J



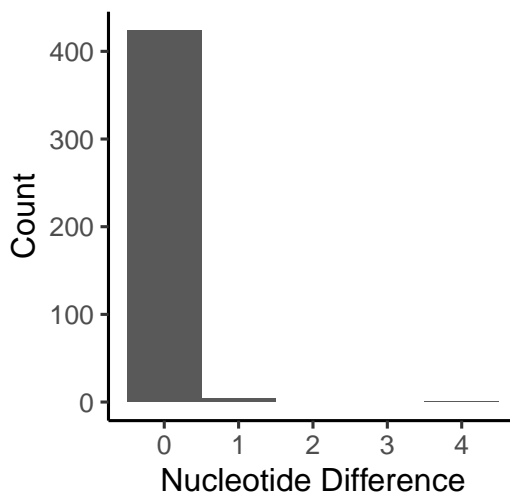
TRBV7-1*ap01_G291C_

189 sequences assigned
183 (96.8%) exact matches, in which:
181 unique CDR3
13 unique J



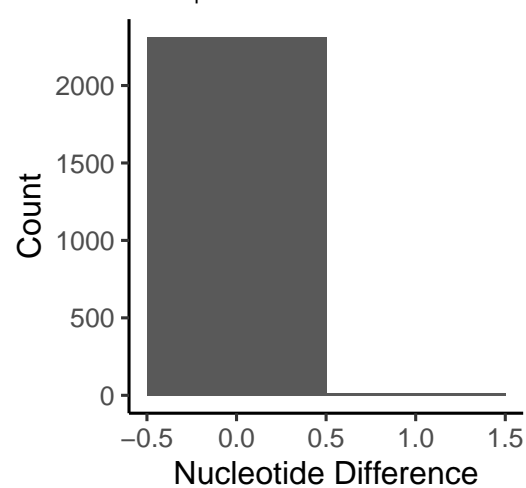
TRBV7-4*ap01

429 sequences assigned
424 (98.8%) exact matches, in which:
414 unique CDR3
13 unique J



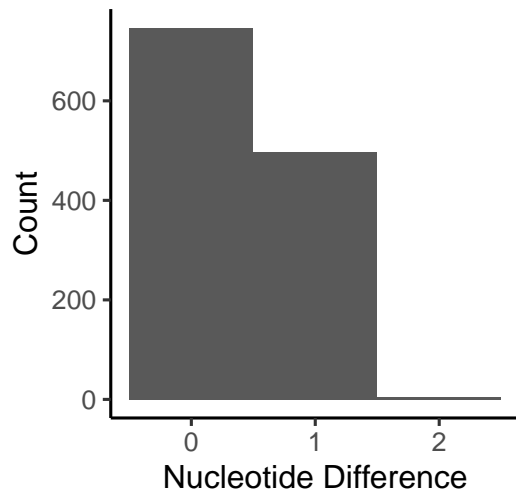
TRBV7-8*ap01

2329 sequences assigned
2313 (99.3%) exact matches, in which:
2283 unique CDR3
13 unique J



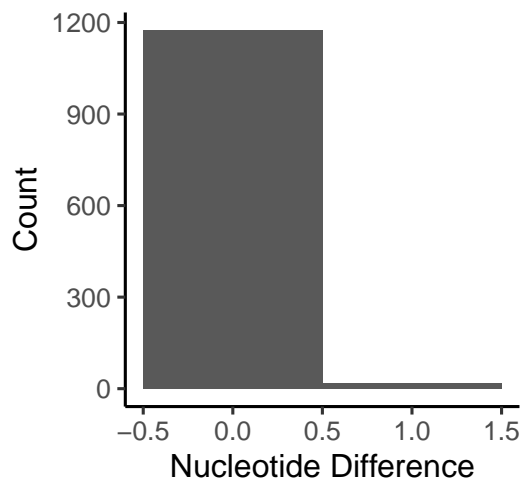
TRBV7-8*ap03

1249 sequences assigned
747 (59.8%) exact matches, in which:
731 unique CDR3
13 unique J



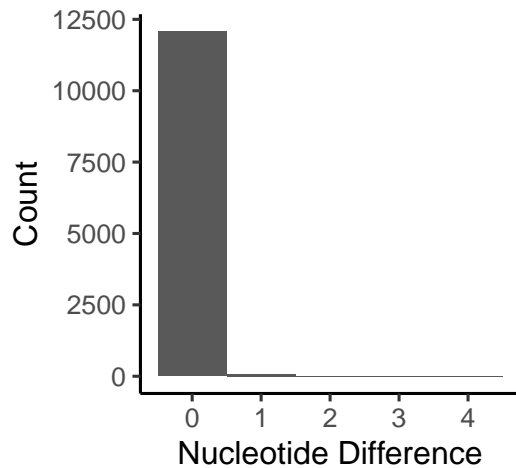
TRBV29-1*ap02

1191 sequences assigned
1174 (98.6%) exact matches, in which:
1141 unique CDR3
13 unique J



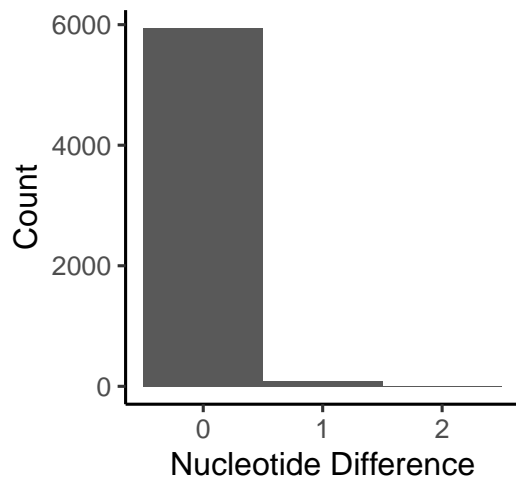
TRBV7-9*ap01

12161 sequences assigned
12075 (99.3%) exact matches, in which:
11845 unique CDR3
13 unique J

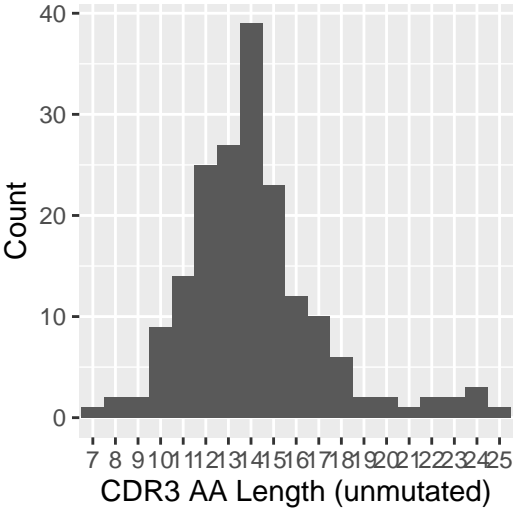


TRBV29-1*ap01

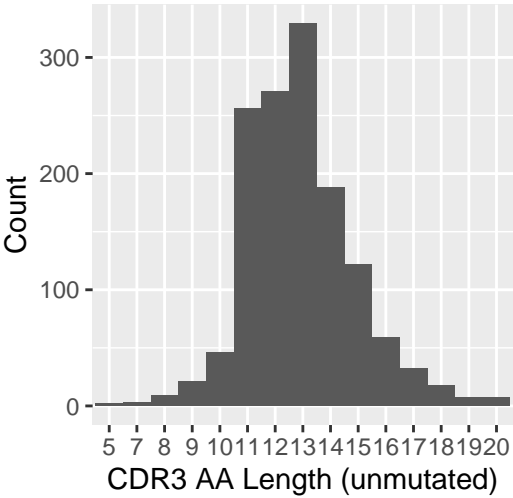
6032 sequences assigned
5944 (98.5%) exact matches, in which:
5773 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]