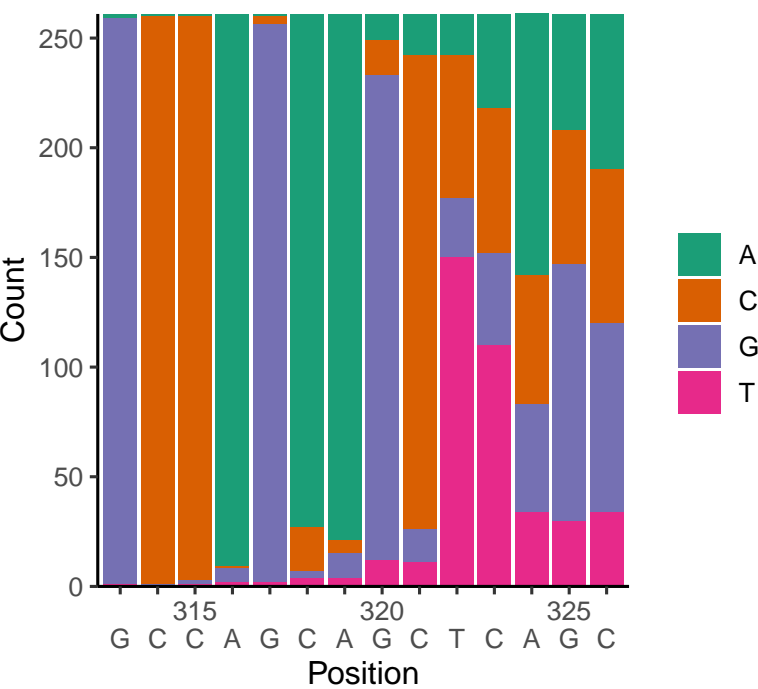
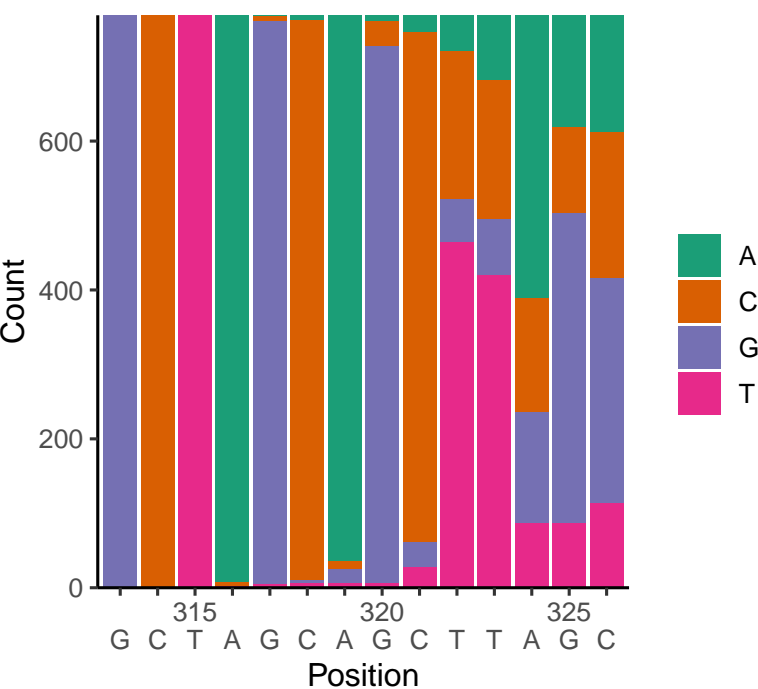


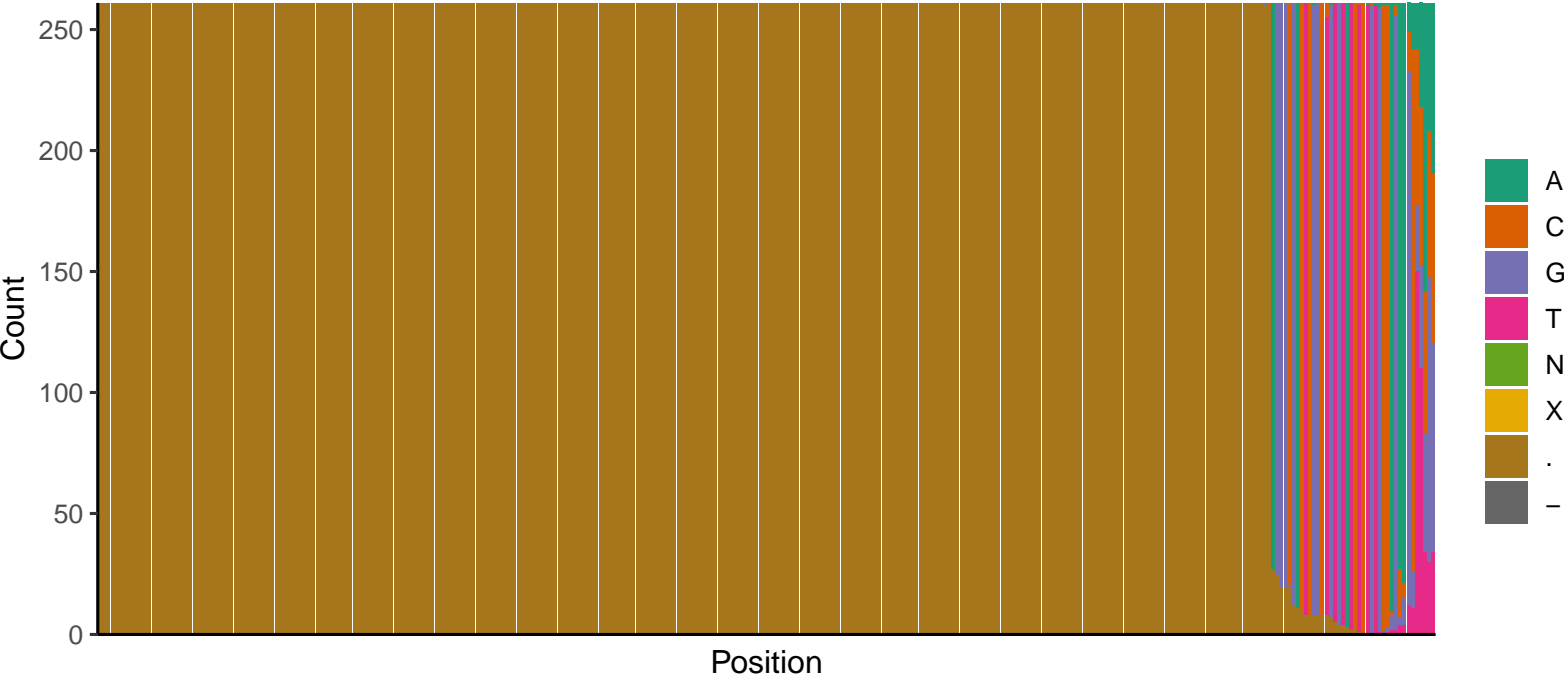
Gene TRBV7-1*ap01_G291C_T296C



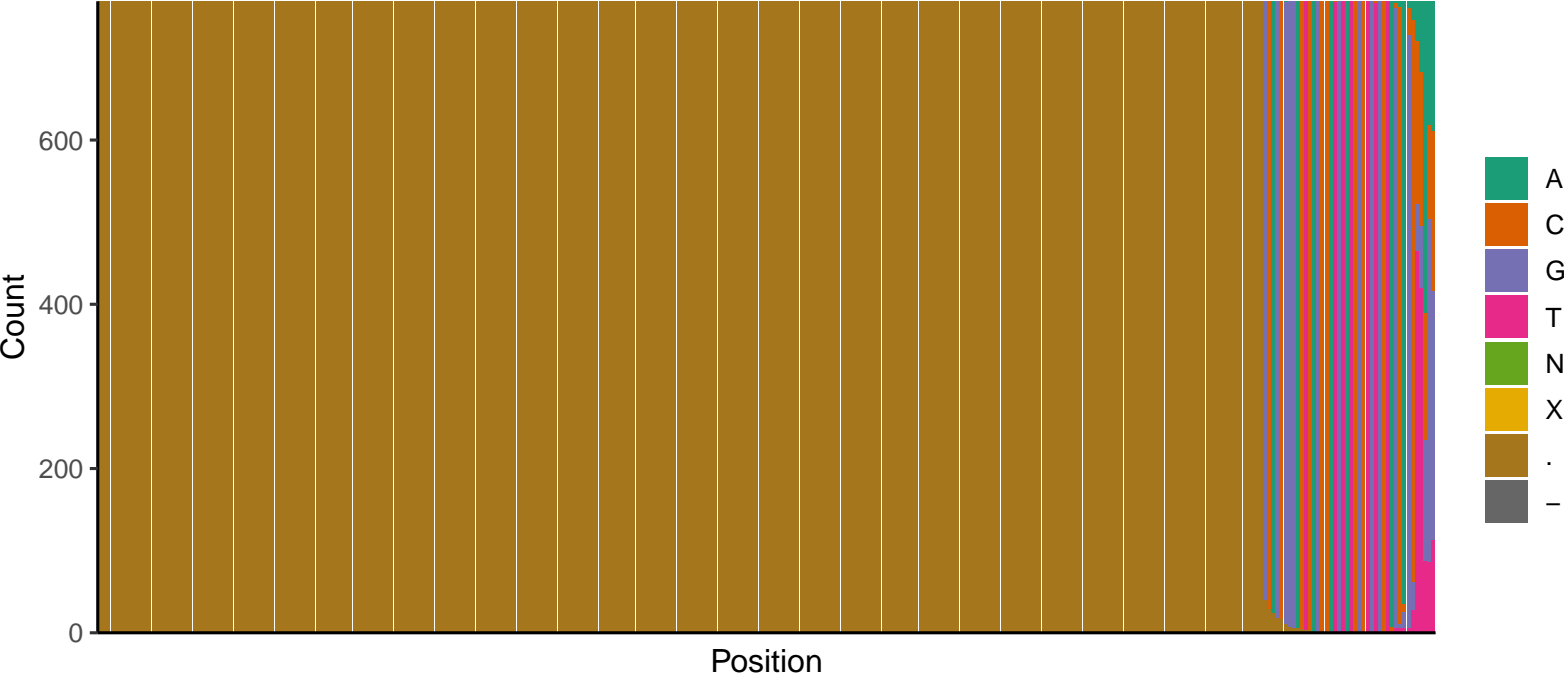
Gene TRBV7-7*ap01_C315T



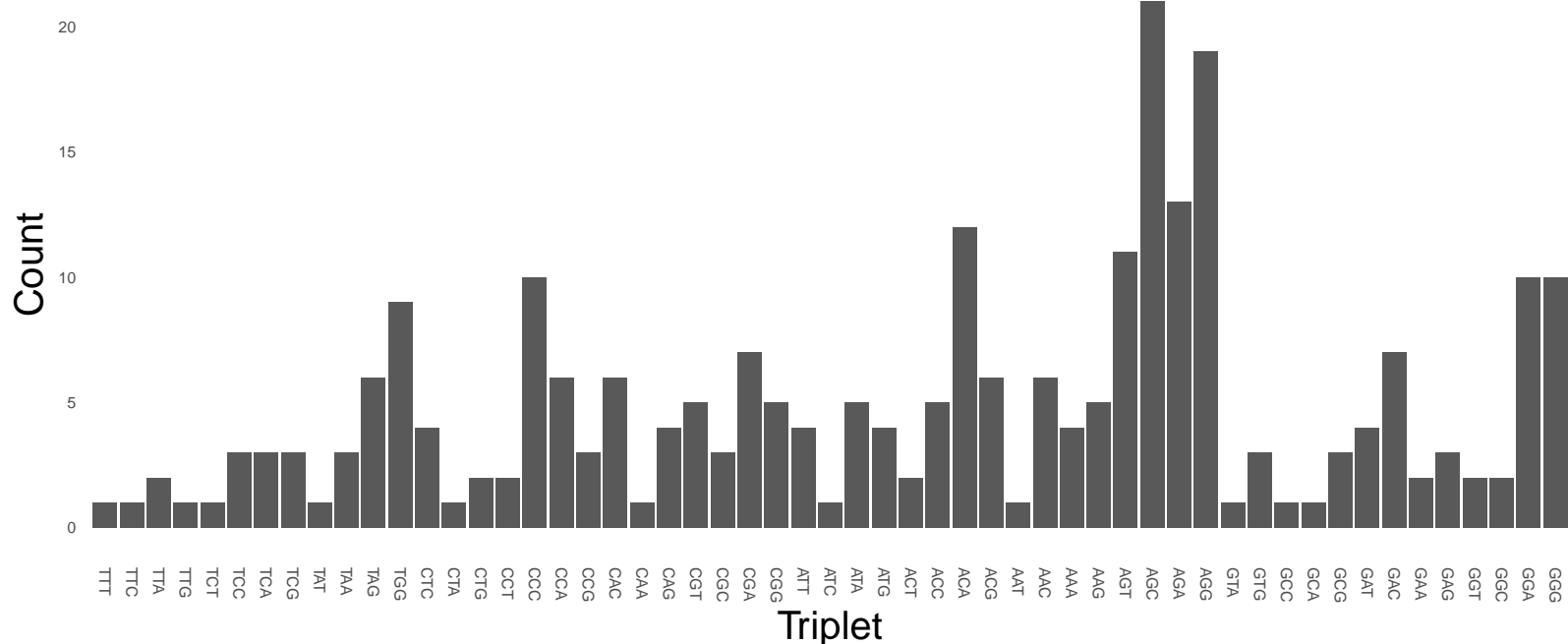
Gene TRBV7-1*ap01_G291C_T296C



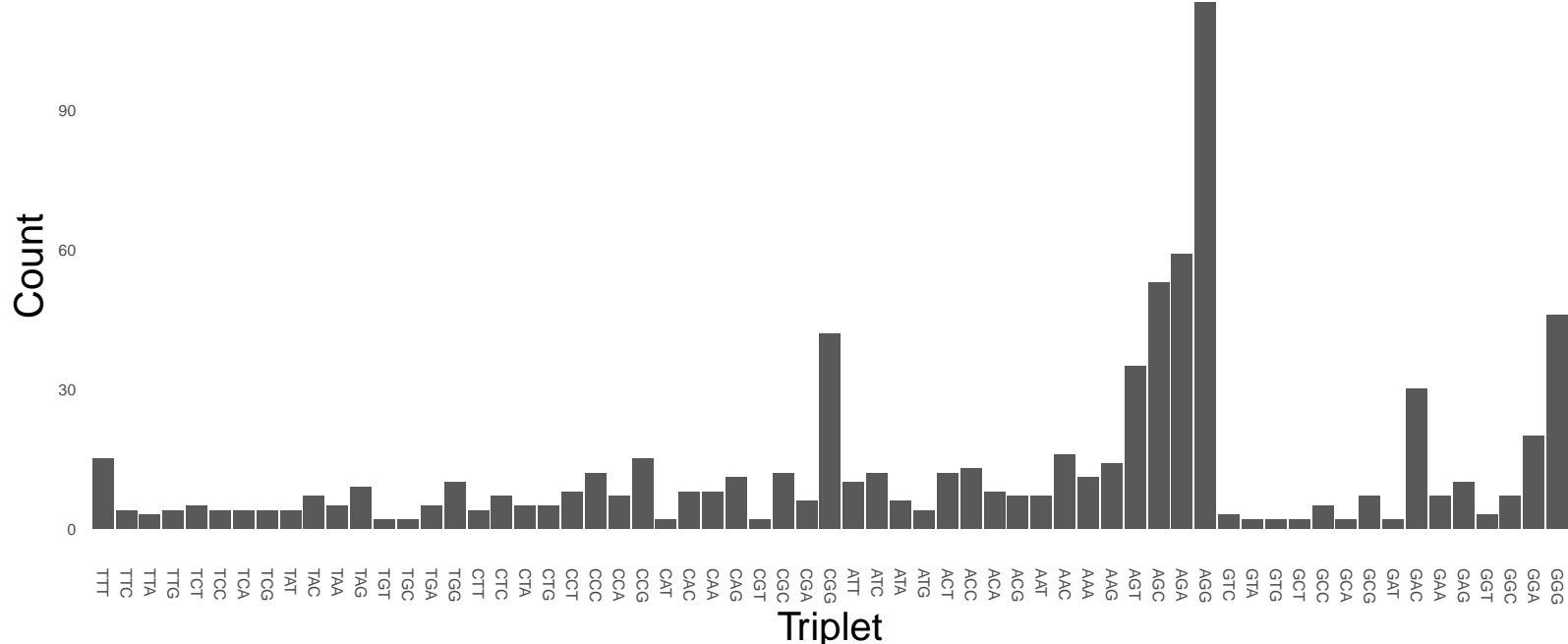
Gene TRBV7-7*ap01_C315T



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

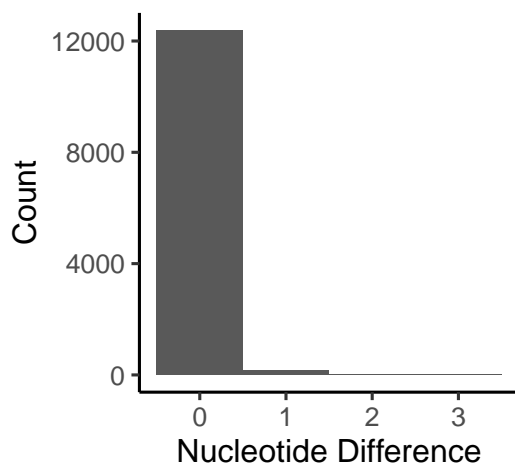


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



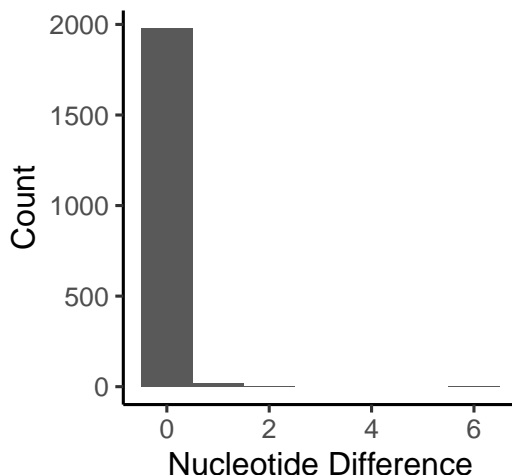
TRBV20-1*ap01

12570 sequences assigned
12390 (98.6%) exact matches, in which:
12156 unique CDR3
13 unique J



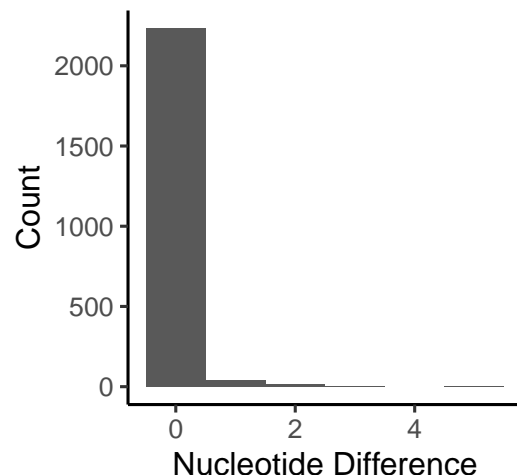
TRBV10-2*ap01

2002 sequences assigned
1978 (98.8%) exact matches, in which:
1917 unique CDR3
13 unique J



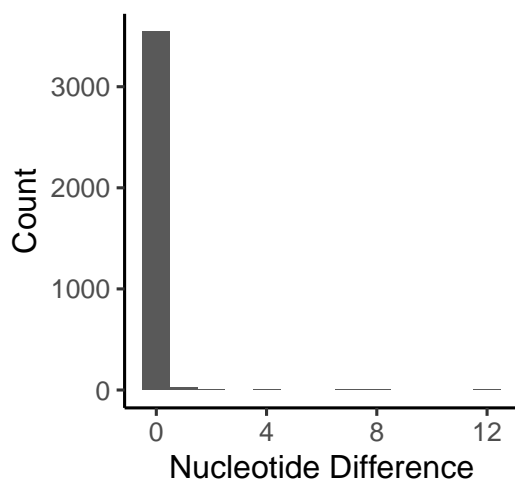
TRBV13*ap01

2291 sequences assigned
2233 (97.5%) exact matches, in which:
2174 unique CDR3
13 unique J



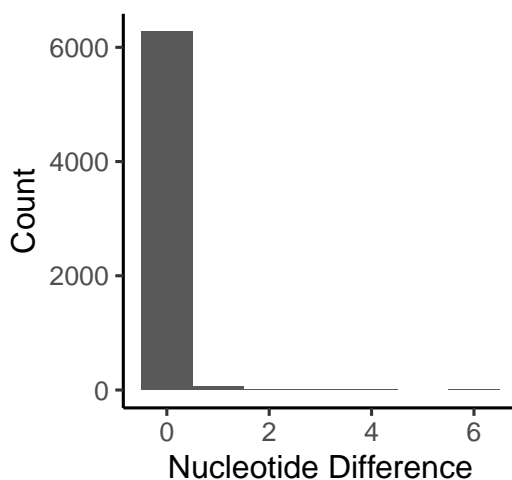
TRBV10-1*ap01

3578 sequences assigned
3544 (99%) exact matches, in which:
3465 unique CDR3
13 unique J



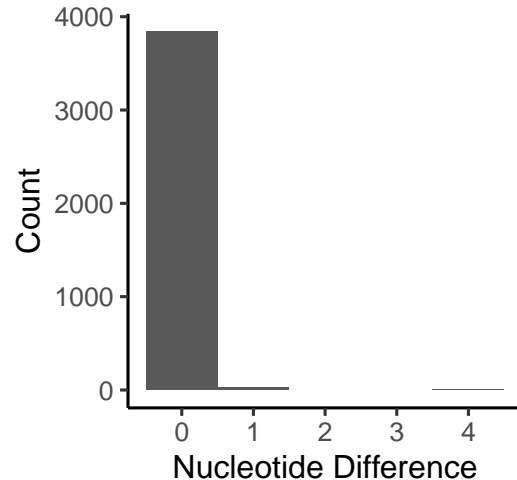
TRBV10-3*ap01

6343 sequences assigned
6273 (98.9%) exact matches, in which:
6125 unique CDR3
13 unique J



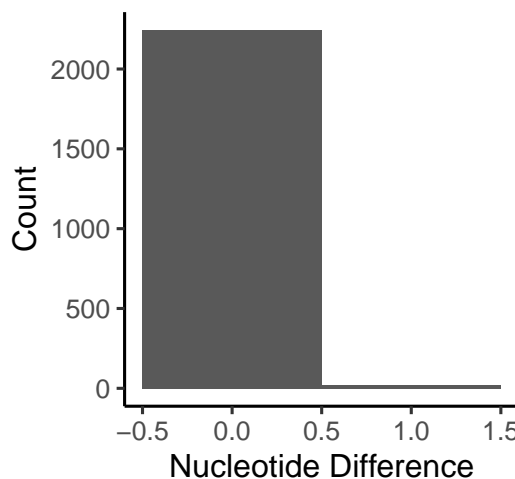
TRBV14*ap01

3869 sequences assigned
3839 (99.2%) exact matches, in which:
3753 unique CDR3
13 unique J



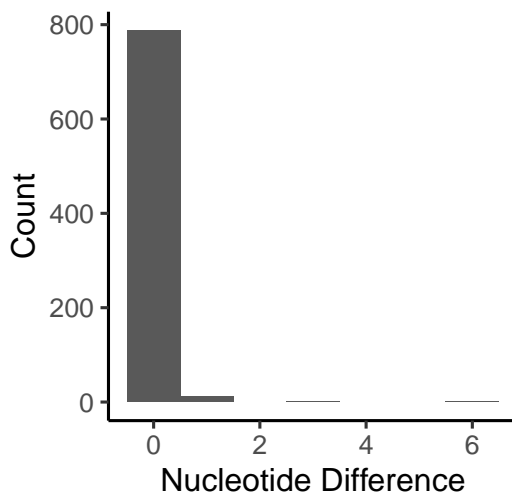
TRBV20-1*ap02

2266 sequences assigned
2244 (99%) exact matches, in which:
2213 unique CDR3
13 unique J



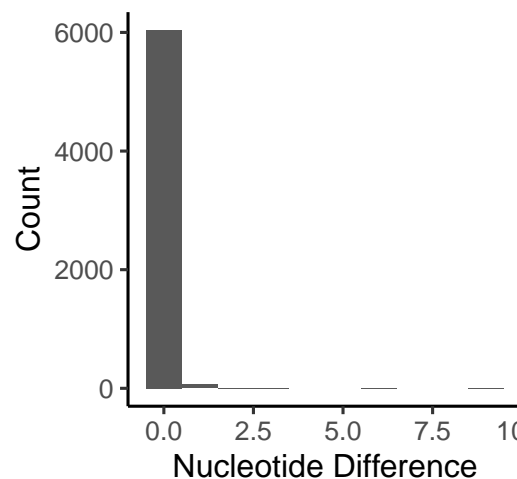
TRBV1*ap01

803 sequences assigned
788 (98.1%) exact matches, in which:
769 unique CDR3
13 unique J



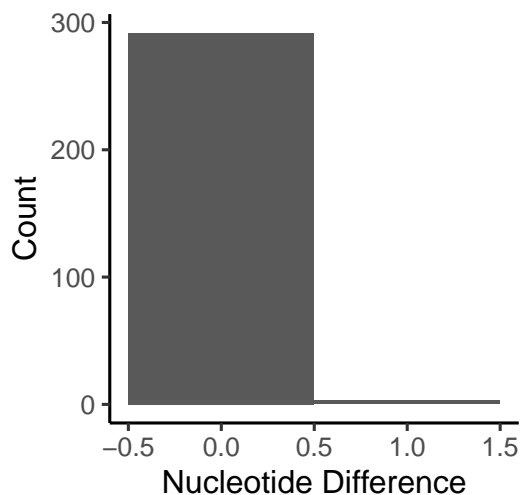
TRBV15*ap02

6111 sequences assigned
6040 (98.8%) exact matches, in which:
5887 unique CDR3
13 unique J



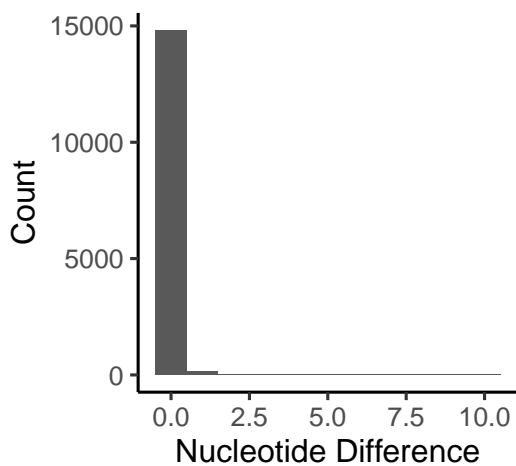
TRBV16*ap01

295 sequences assigned
292 (99%) exact matches, in which:
289 unique CDR3
13 unique J



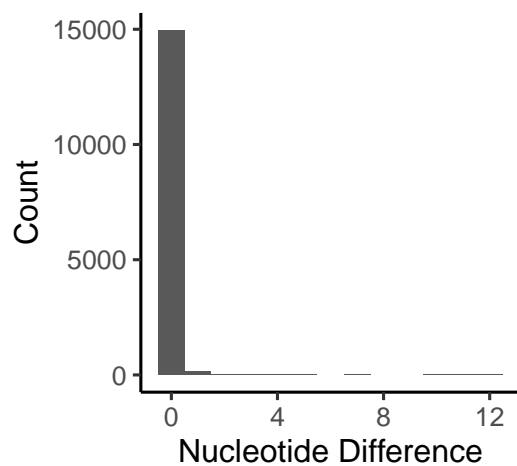
TRBV19*ap01

15002 sequences assigned
14818 (98.8%) exact matches, in which:
14630 unique CDR3
13 unique J



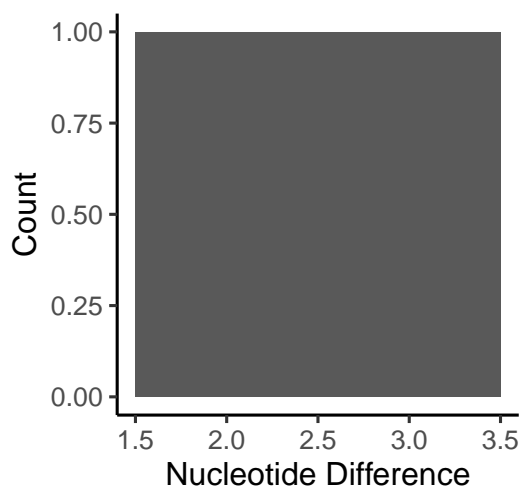
TRBV27*ap01

15153 sequences assigned
14962 (98.7%) exact matches, in which:
14600 unique CDR3
13 unique J



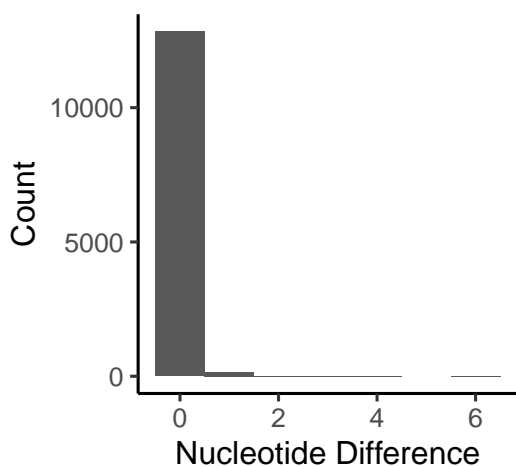
TRBV17*ap01

2 sequences assigned
No exact matches.



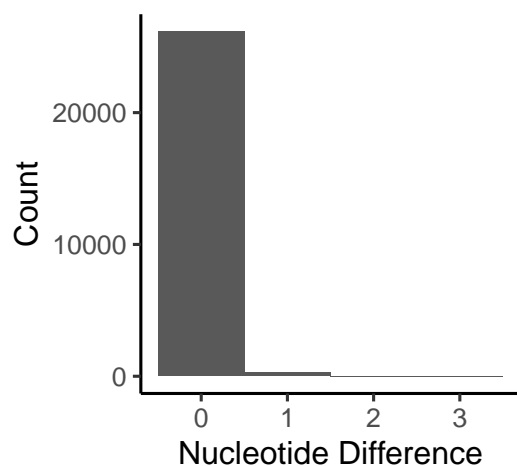
TRBV2*ap01

13001 sequences assigned
12837 (98.7%) exact matches, in which:
12600 unique CDR3
13 unique J



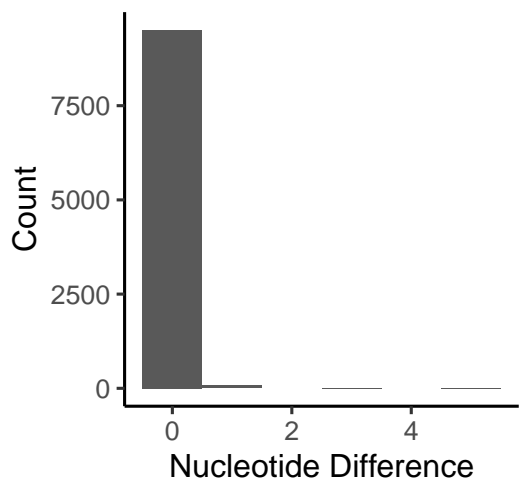
TRBV28*ap01

26443 sequences assigned
26157 (98.9%) exact matches, in which:
25629 unique CDR3
13 unique J



TRBV18*ap01

9582 sequences assigned
9507 (99.2%) exact matches, in which:
9384 unique CDR3
14 unique J



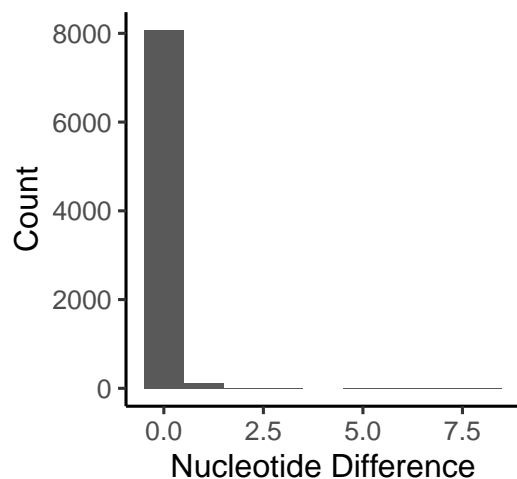
TRBV26*ap01

1 sequences assigned
No exact matches.



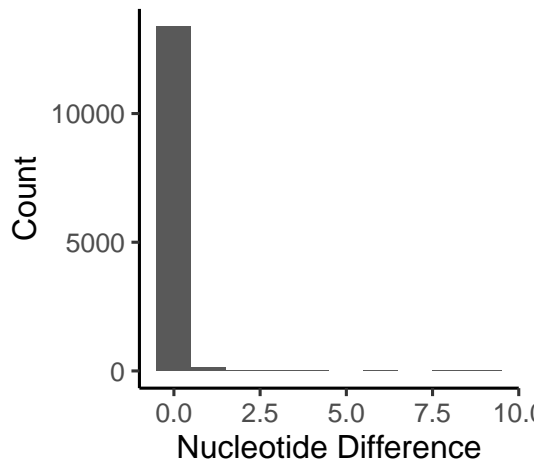
TRBV30*ap01

8217 sequences assigned
8074 (98.3%) exact matches, in which:
7968 unique CDR3
13 unique J



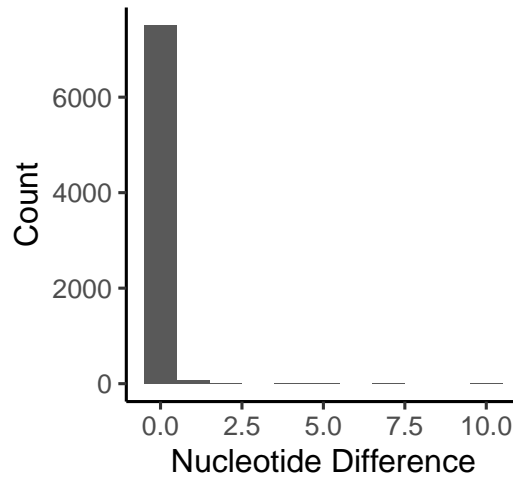
TRBV9*ap01

13557 sequences assigned
13396 (98.8%) exact matches, in which:
13145 unique CDR3
13 unique J



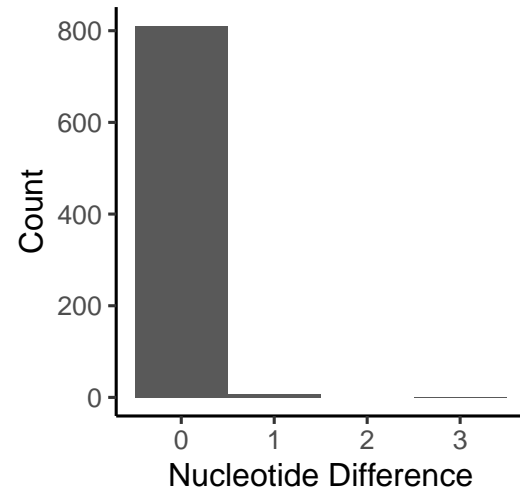
TRBV11-2*ap01

7584 sequences assigned
7503 (98.9%) exact matches, in which:
7339 unique CDR3
14 unique J



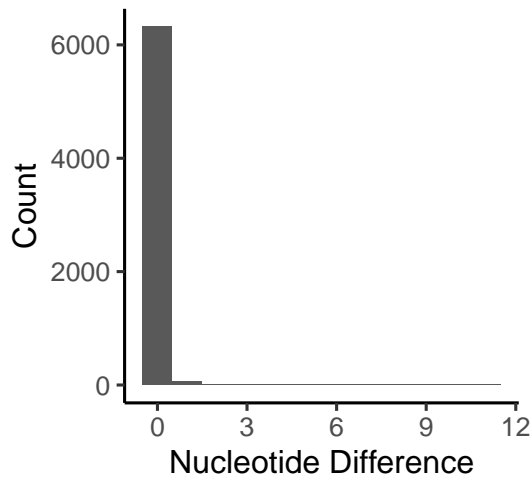
TRBV12-2*ap01

820 sequences assigned
811 (98.9%) exact matches, in which:
792 unique CDR3
13 unique J



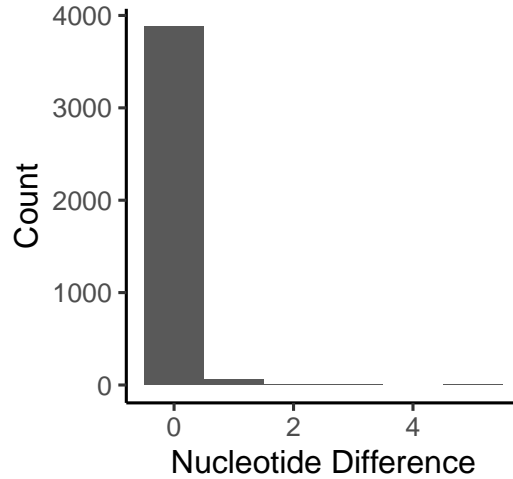
TRBV21-1*ap01

6416 sequences assigned
6320 (98.5%) exact matches, in which:
6216 unique CDR3
13 unique J



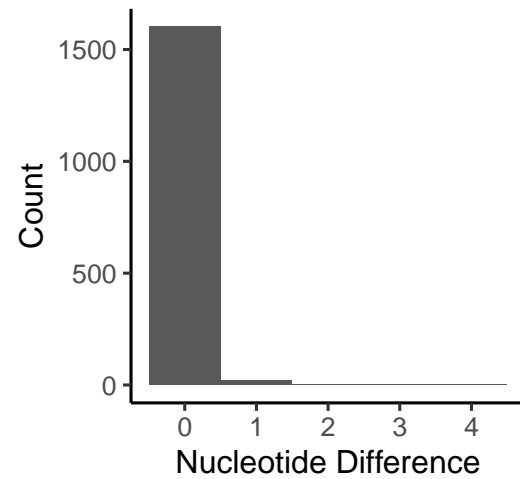
TRBV11-3*ap01

3947 sequences assigned
3878 (98.3%) exact matches, in which:
3796 unique CDR3
13 unique J



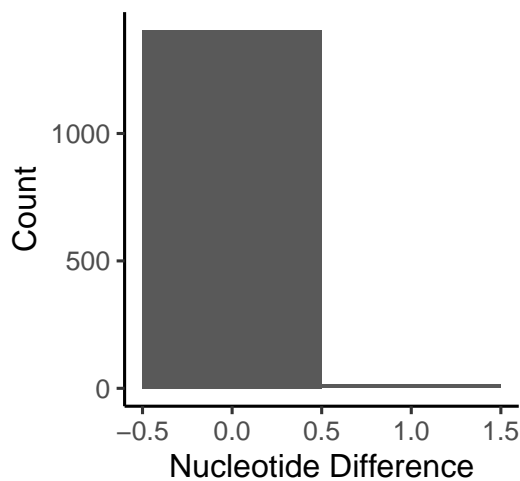
TRBV12-5*ap01

1626 sequences assigned
1602 (98.5%) exact matches, in which:
1572 unique CDR3
13 unique J



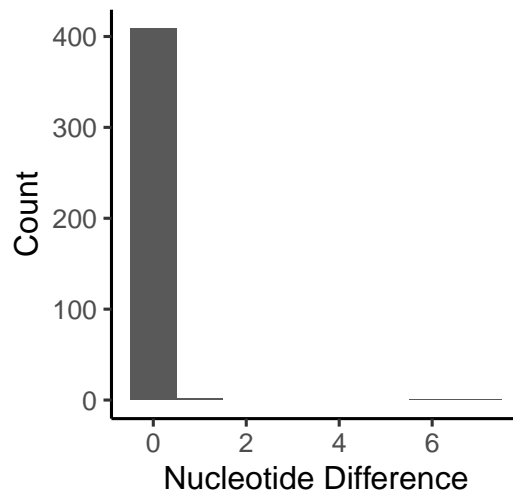
TRBV11-1*ap01

1421 sequences assigned
1406 (98.9%) exact matches, in which:
1370 unique CDR3
13 unique J



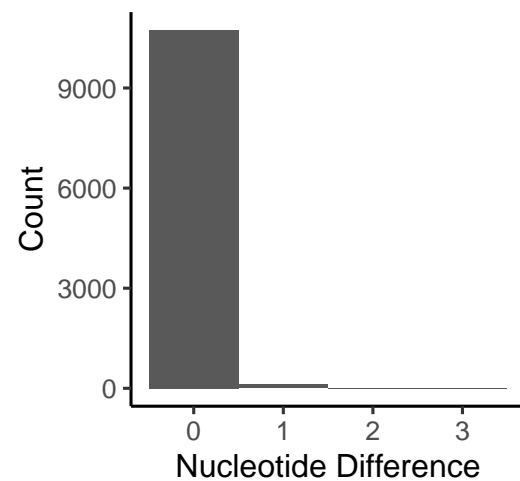
TRBV12-1*ap01

413 sequences assigned
409 (99%) exact matches, in which:
397 unique CDR3
13 unique J



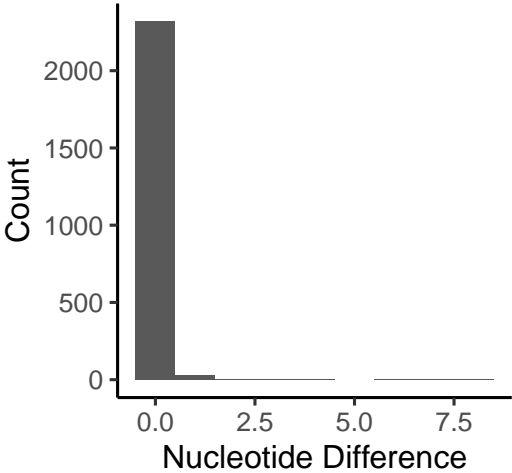
TRBV12-34*ap01

10858 sequences assigned
10737 (98.9%) exact matches, in which:
10495 unique CDR3
13 unique J



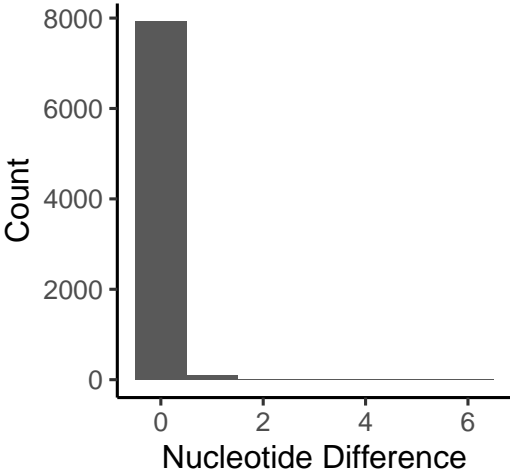
TRBV23-1*ap01

2358 sequences assigned
2319 (98.3%) exact matches, in which:
2280 unique CDR3
13 unique J



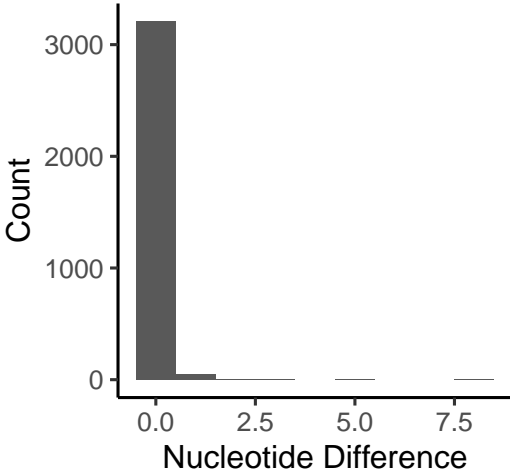
TRBV24-1*ap01

8039 sequences assigned
7926 (98.6%) exact matches, in which:
7801 unique CDR3
13 unique J



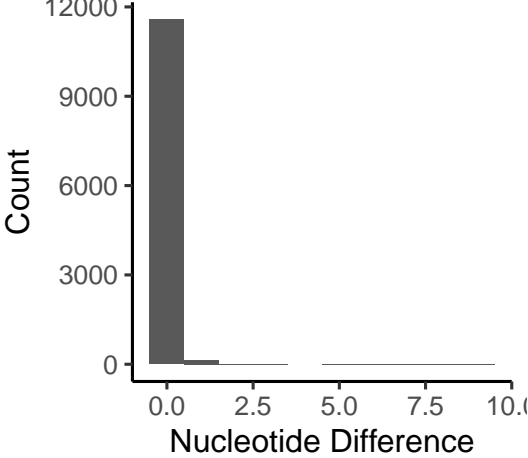
TRBV25-1*ap01

3264 sequences assigned
3208 (98.3%) exact matches, in which:
3145 unique CDR3
13 unique J



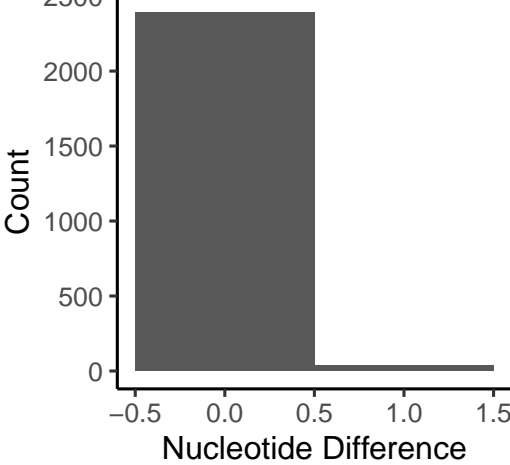
TRBV3-12*ap01

11737 sequences assigned
11578 (98.6%) exact matches, in which:
11329 unique CDR3
13 unique J



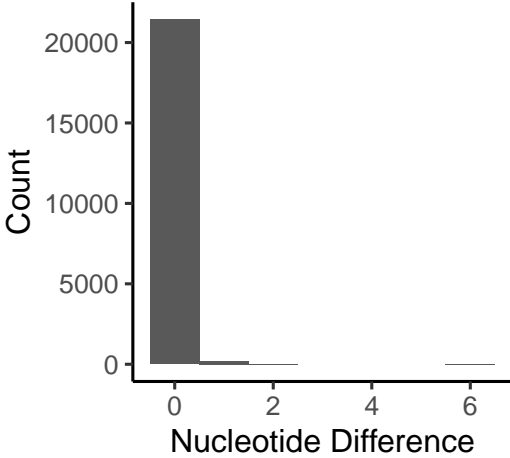
TRBV4-2*ap01

2424 sequences assigned
2389 (98.6%) exact matches, in which:
2342 unique CDR3
13 unique J



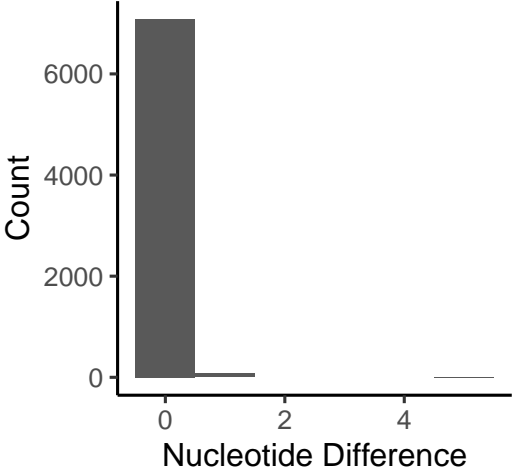
TRBV5-1*ap01

21653 sequences assigned
21435 (99%) exact matches, in which:
20931 unique CDR3
13 unique J



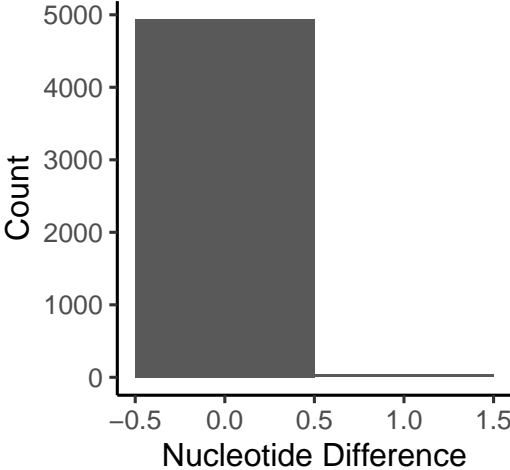
TRBV4-1*ap01

7158 sequences assigned
7085 (99%) exact matches, in which:
6931 unique CDR3
13 unique J



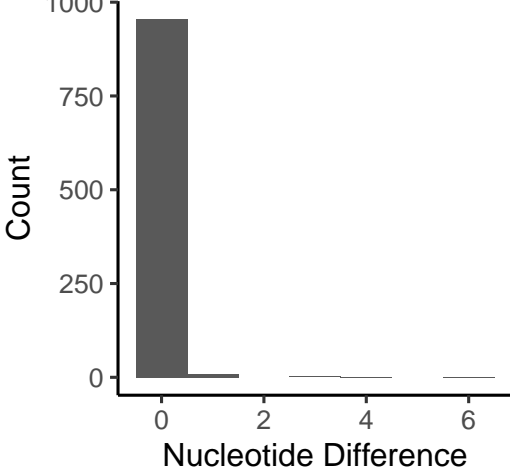
TRBV4-3*ap01

4982 sequences assigned
4941 (99.2%) exact matches, in which:
4847 unique CDR3
13 unique J



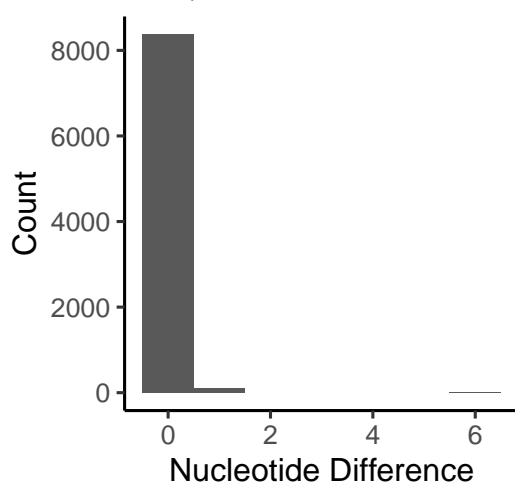
TRBV5-3*ap01

967 sequences assigned
955 (98.8%) exact matches, in which:
934 unique CDR3
13 unique J



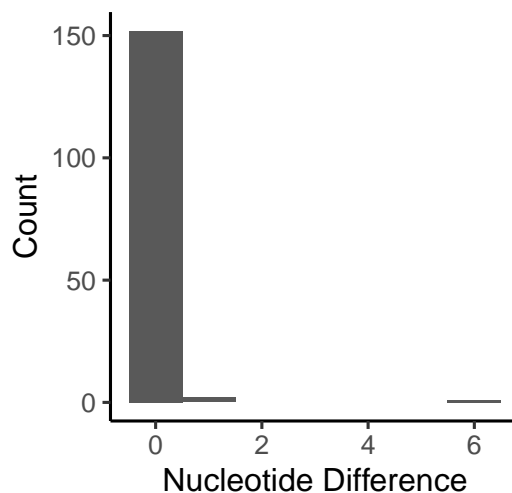
TRBV5-4*ap01

8469 sequences assigned
8373 (98.9%) exact matches, in which:
8165 unique CDR3
13 unique J



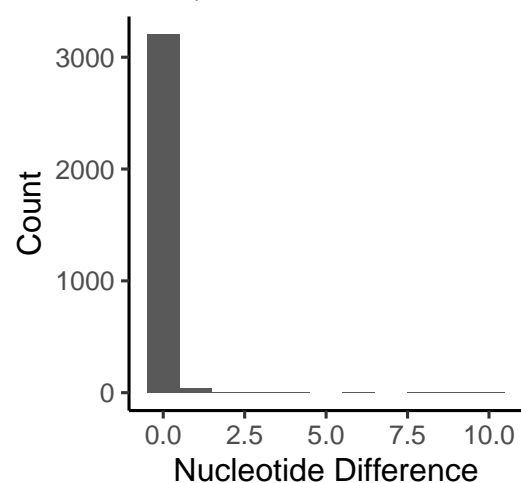
TRBV5-7*ap01

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



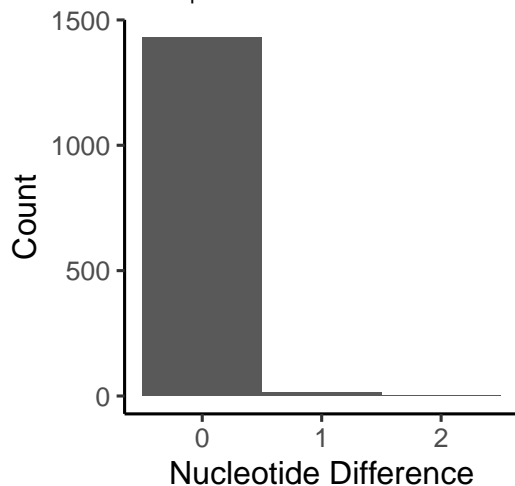
TRBV6-4*ap01

3258 sequences assigned
3204 (98.3%) exact matches, in which:
3134 unique CDR3
13 unique J



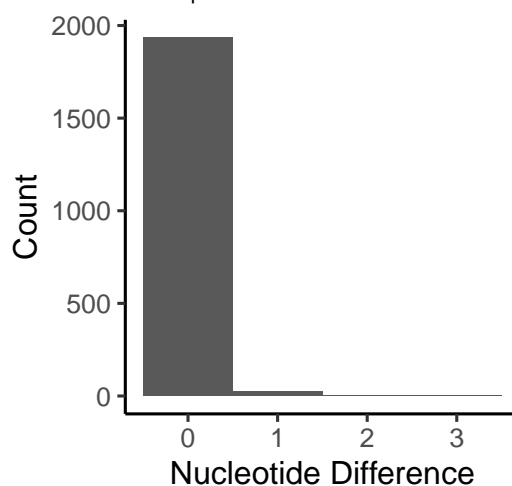
TRBV5-5*ap01

1445 sequences assigned
1429 (98.9%) exact matches, in which:
1413 unique CDR3
13 unique J



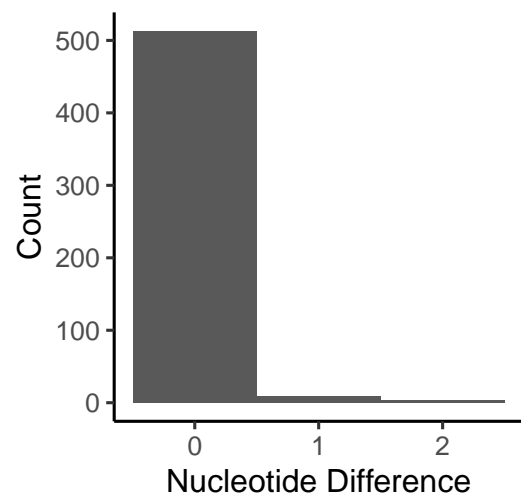
TRBV5-8*ap01

1959 sequences assigned
1934 (98.7%) exact matches, in which:
1892 unique CDR3
13 unique J



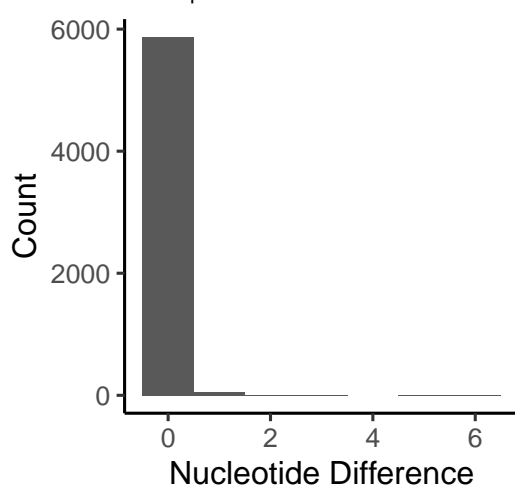
TRBV6-7*ap01

525 sequences assigned
513 (97.7%) exact matches, in which:
497 unique CDR3
13 unique J



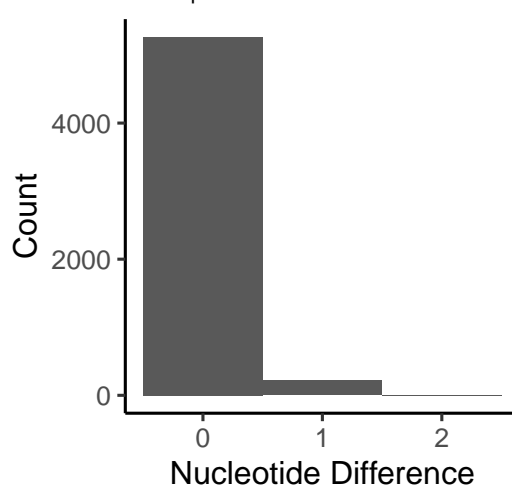
TRBV5-6*ap01

5935 sequences assigned
5870 (98.9%) exact matches, in which:
5724 unique CDR3
13 unique J



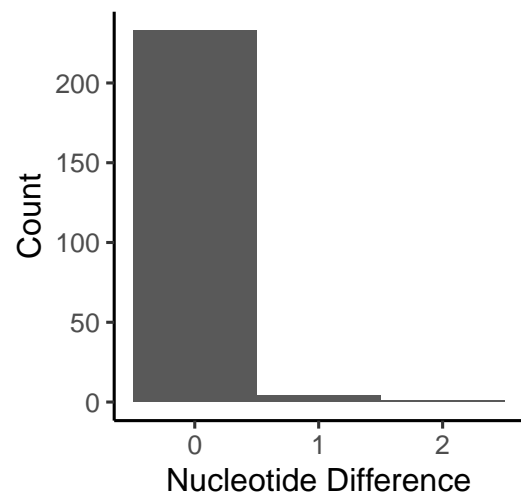
TRBV6-1*ap01

5485 sequences assigned
5264 (96%) exact matches, in which:
5113 unique CDR3
13 unique J



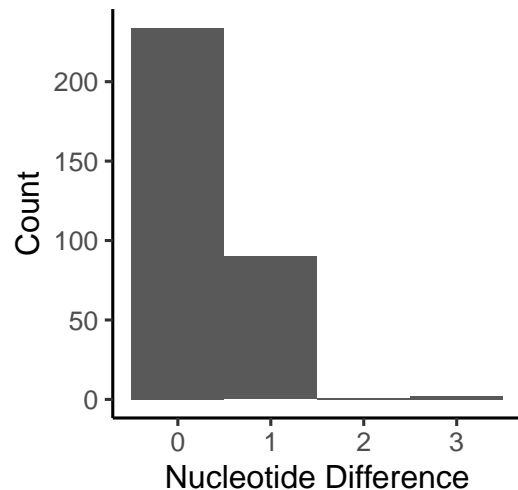
TRBV6-8*ap01

238 sequences assigned
233 (97.9%) exact matches, in which:
226 unique CDR3
13 unique J



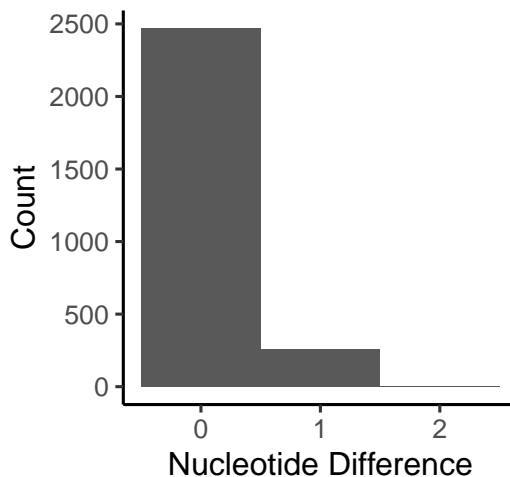
TRBV6-9*ap01

327 sequences assigned
234 (71.6%) exact matches, in which:
231 unique CDR3
13 unique J



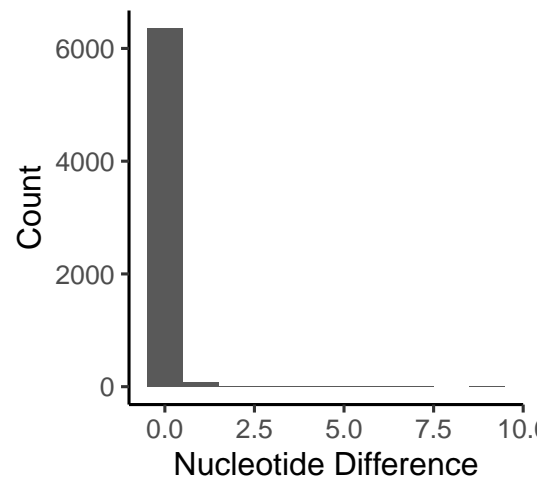
TRBV6-56*ap02

2726 sequences assigned
2469 (90.6%) exact matches, in which:
2401 unique CDR3
13 unique J



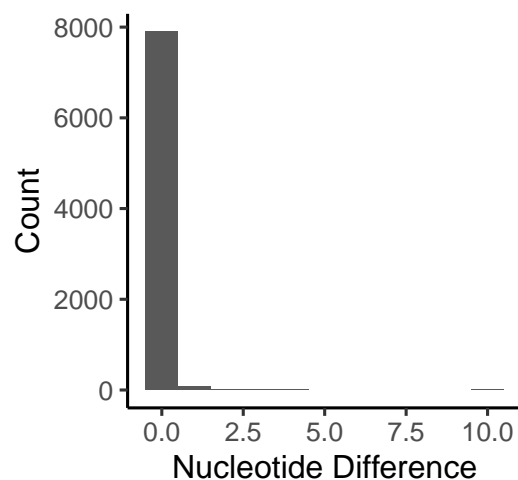
TRBV7-3*ap01

6446 sequences assigned
6355 (98.6%) exact matches, in which:
6249 unique CDR3
13 unique J



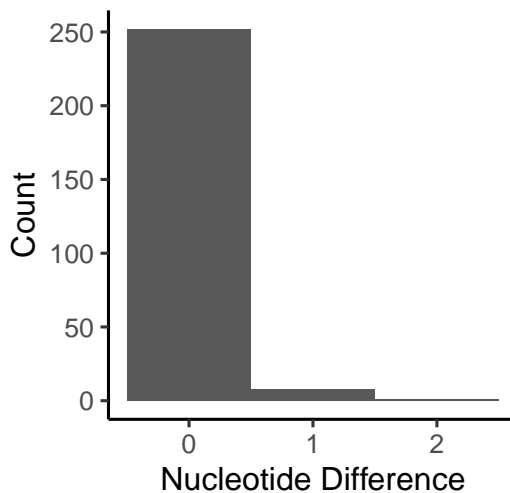
TRBV6-23*ap01

7992 sequences assigned
7898 (98.8%) exact matches, in which:
7724 unique CDR3
13 unique J



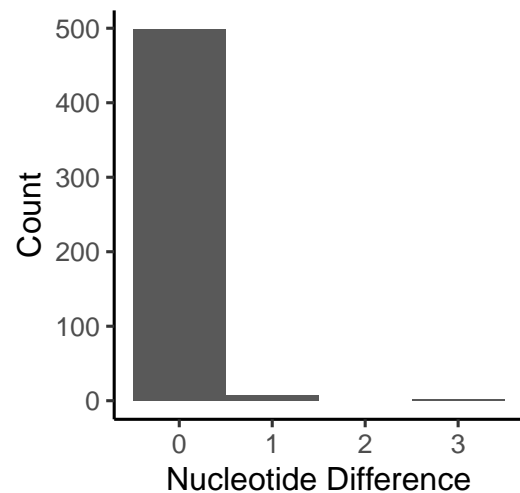
TRBV7-1*ap01_G291C_

261 sequences assigned
252 (96.6%) exact matches, in which:
248 unique CDR3
13 unique J



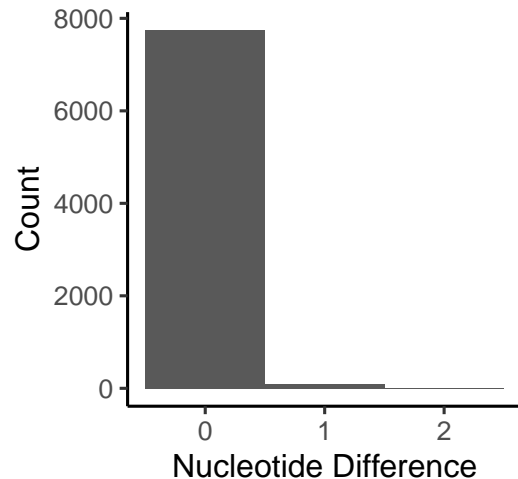
TRBV7-4*ap01

509 sequences assigned
499 (98%) exact matches, in which:
492 unique CDR3
13 unique J



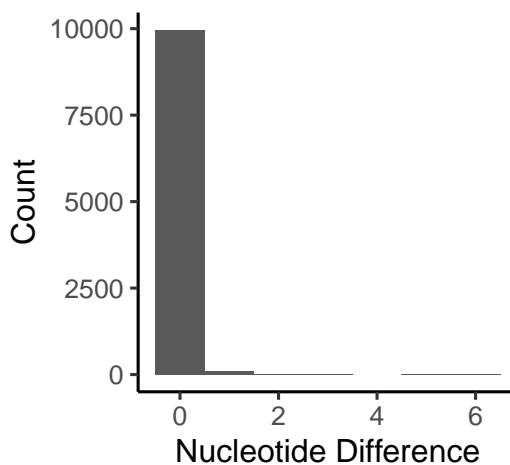
TRBV6-56*ap01

7840 sequences assigned
7747 (98.8%) exact matches, in which:
7549 unique CDR3
13 unique J



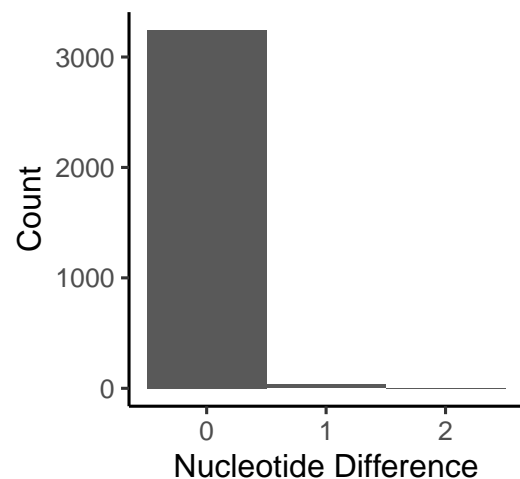
TRBV7-2*ap01

10064 sequences assigned
9967 (99%) exact matches, in which:
9787 unique CDR3
13 unique J



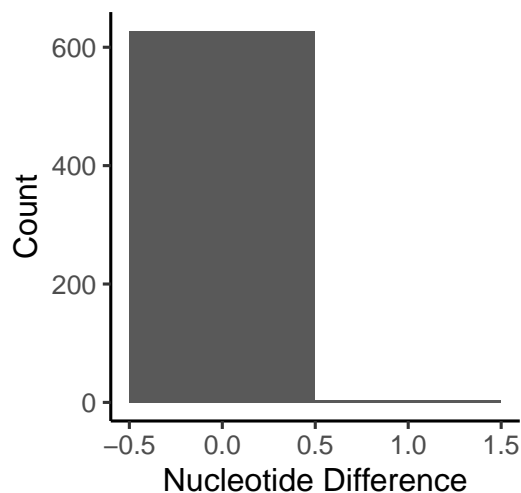
TRBV7-6*ap01

3280 sequences assigned
3244 (98.9%) exact matches, in which:
3153 unique CDR3
13 unique J



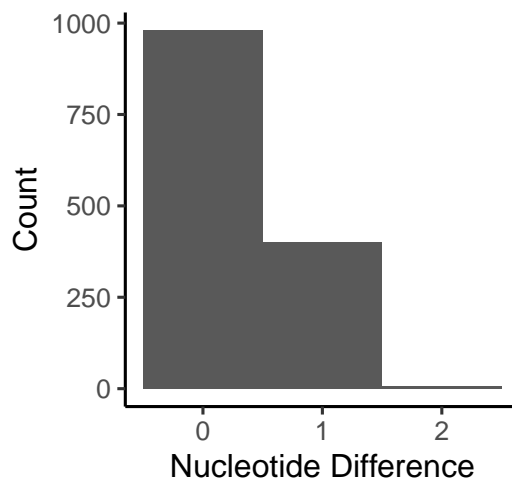
TRBV7-7*ap01

632 sequences assigned
628 (99.4%) exact matches, in which:
620 unique CDR3
13 unique J



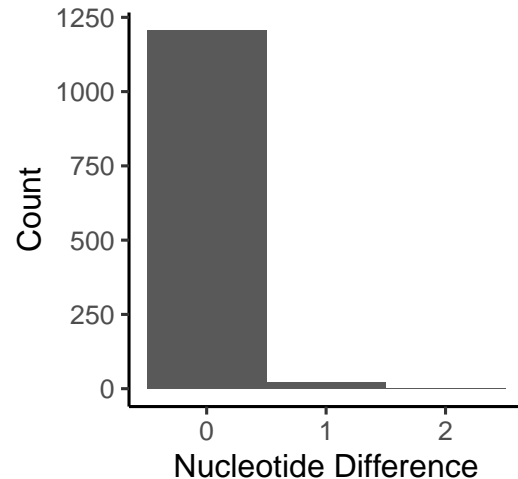
TRBV7-8*ap03

1388 sequences assigned
980 (70.6%) exact matches, in which:
962 unique CDR3
13 unique J



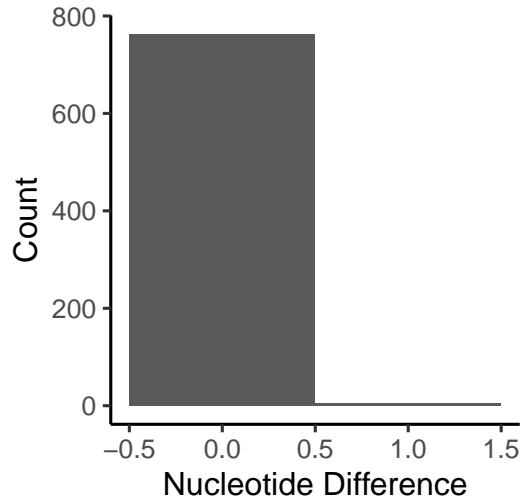
TRBV29-1*ap02

1228 sequences assigned
1206 (98.2%) exact matches, in which:
1187 unique CDR3
13 unique J



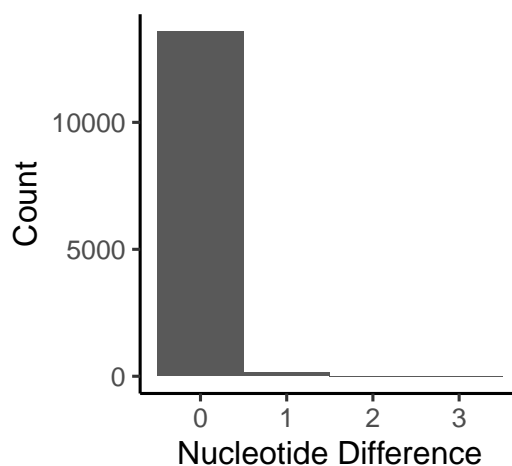
TRBV7-7*ap01_C315T

769 sequences assigned
763 (99.2%) exact matches, in which:
750 unique CDR3
13 unique J



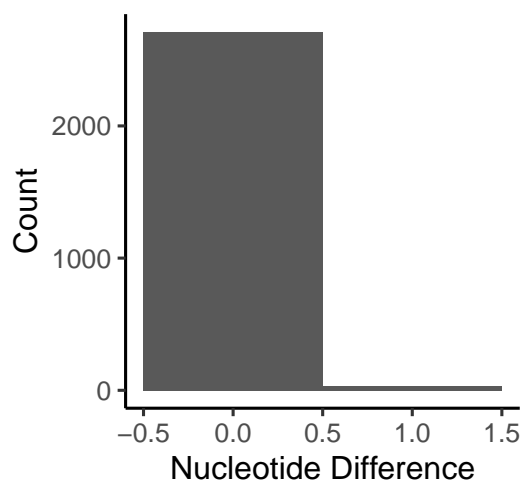
TRBV7-9*ap01

13731 sequences assigned
13580 (98.9%) exact matches, in which:
13328 unique CDR3
13 unique J



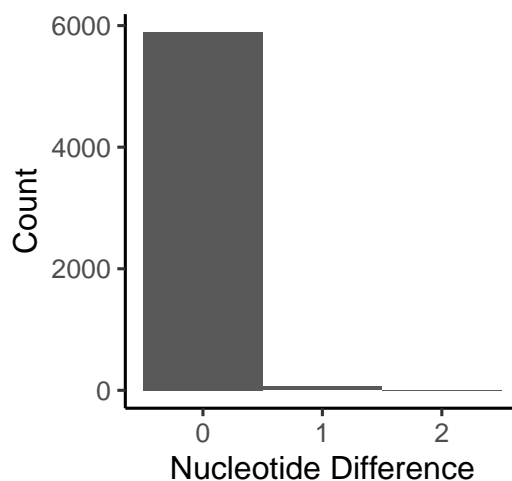
TRBV7-8*ap01

2743 sequences assigned
2710 (98.8%) exact matches, in which:
2633 unique CDR3
13 unique J

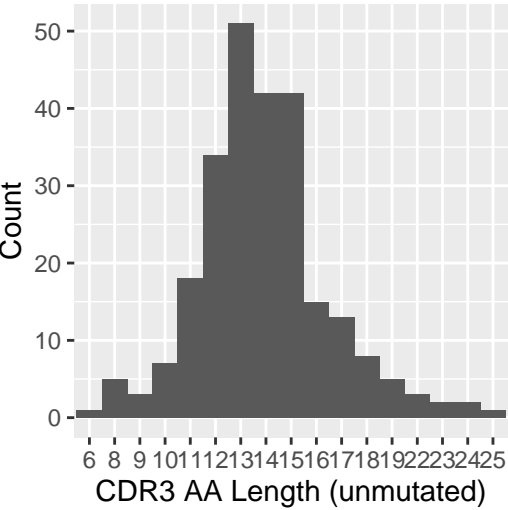


TRBV29-1*ap01

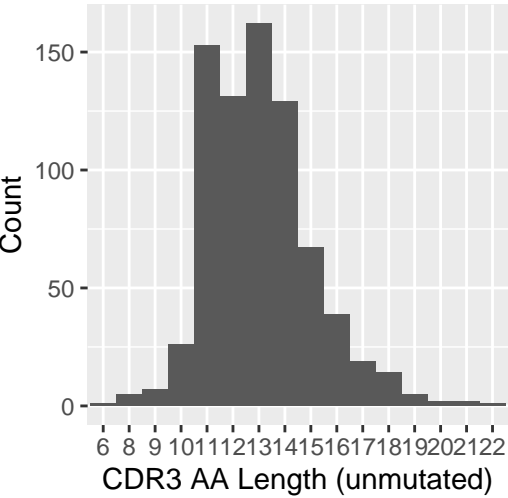
5957 sequences assigned
5894 (98.9%) exact matches, in which:
5756 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]