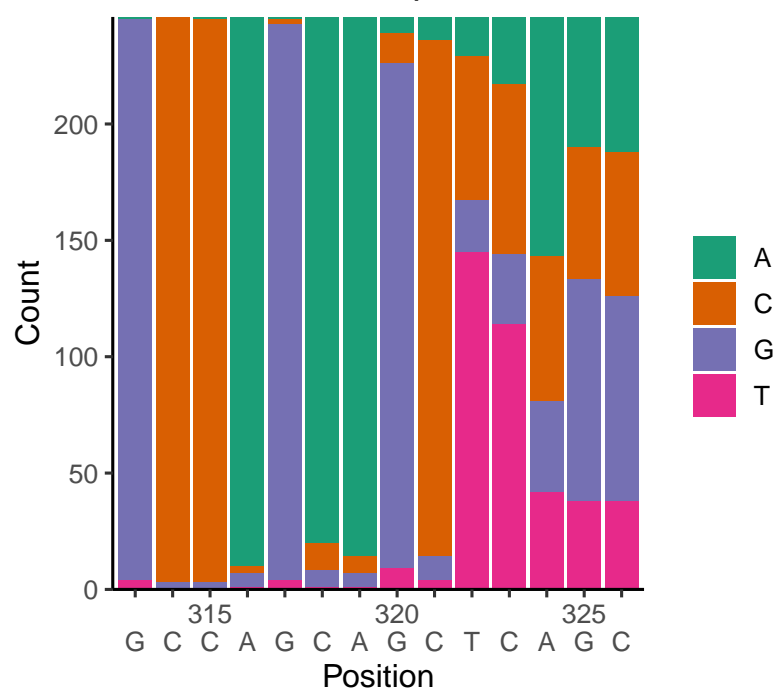
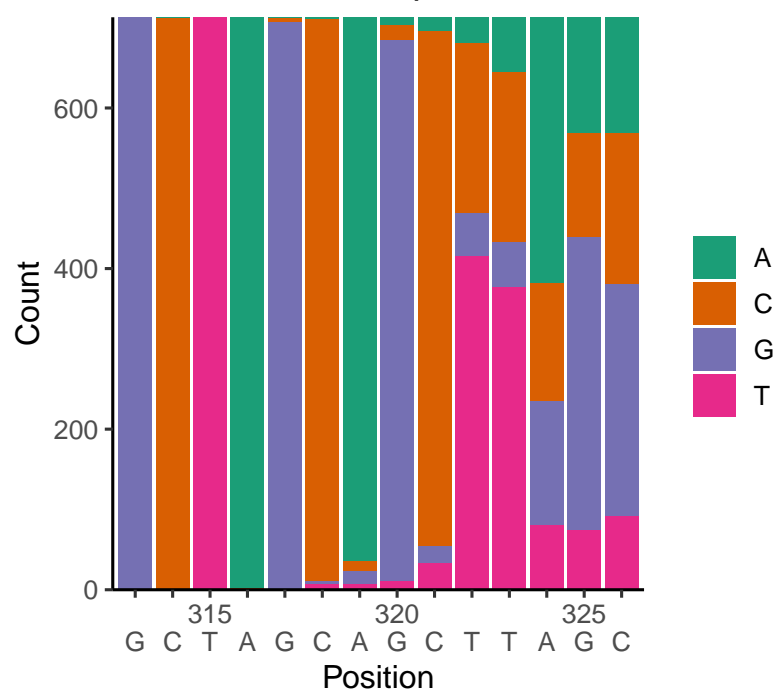


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



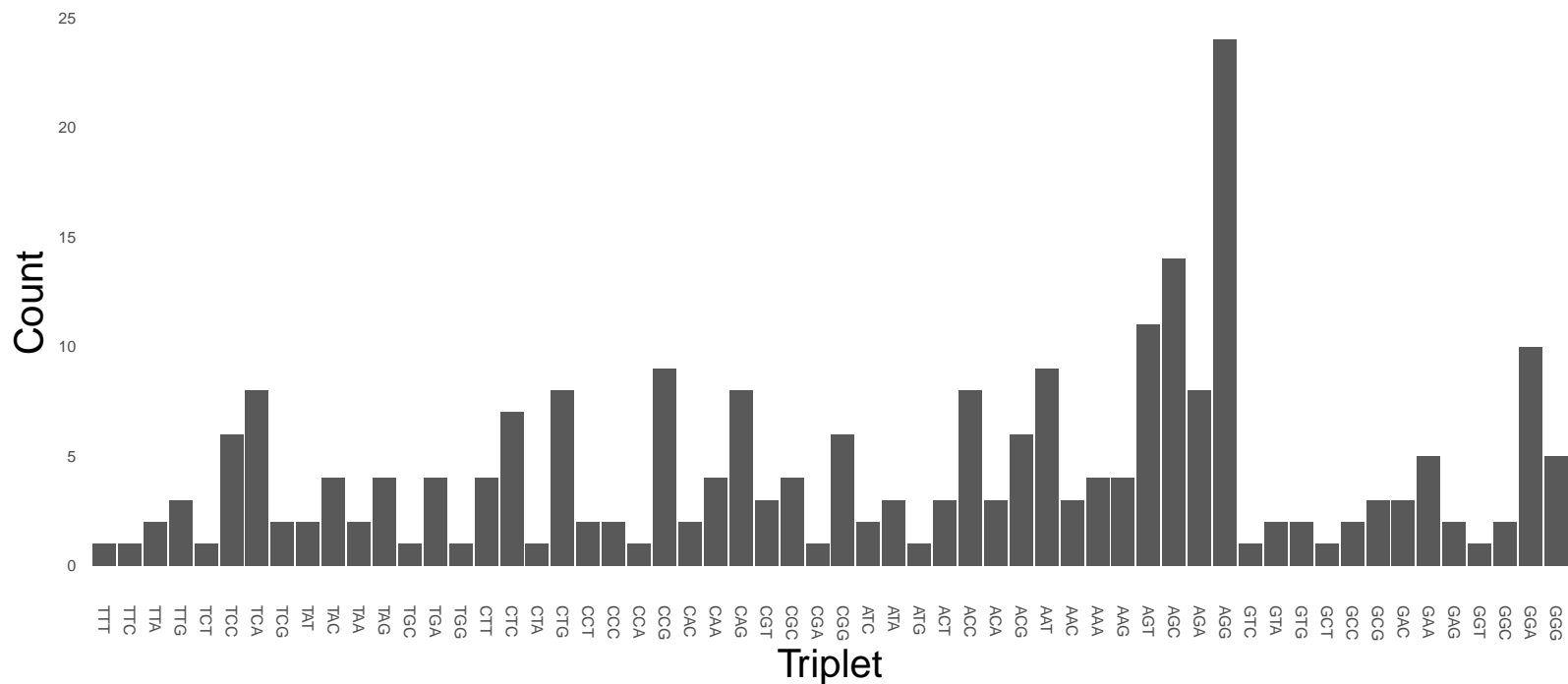
Gene TRBV7-1*ap01_G291C_T296C



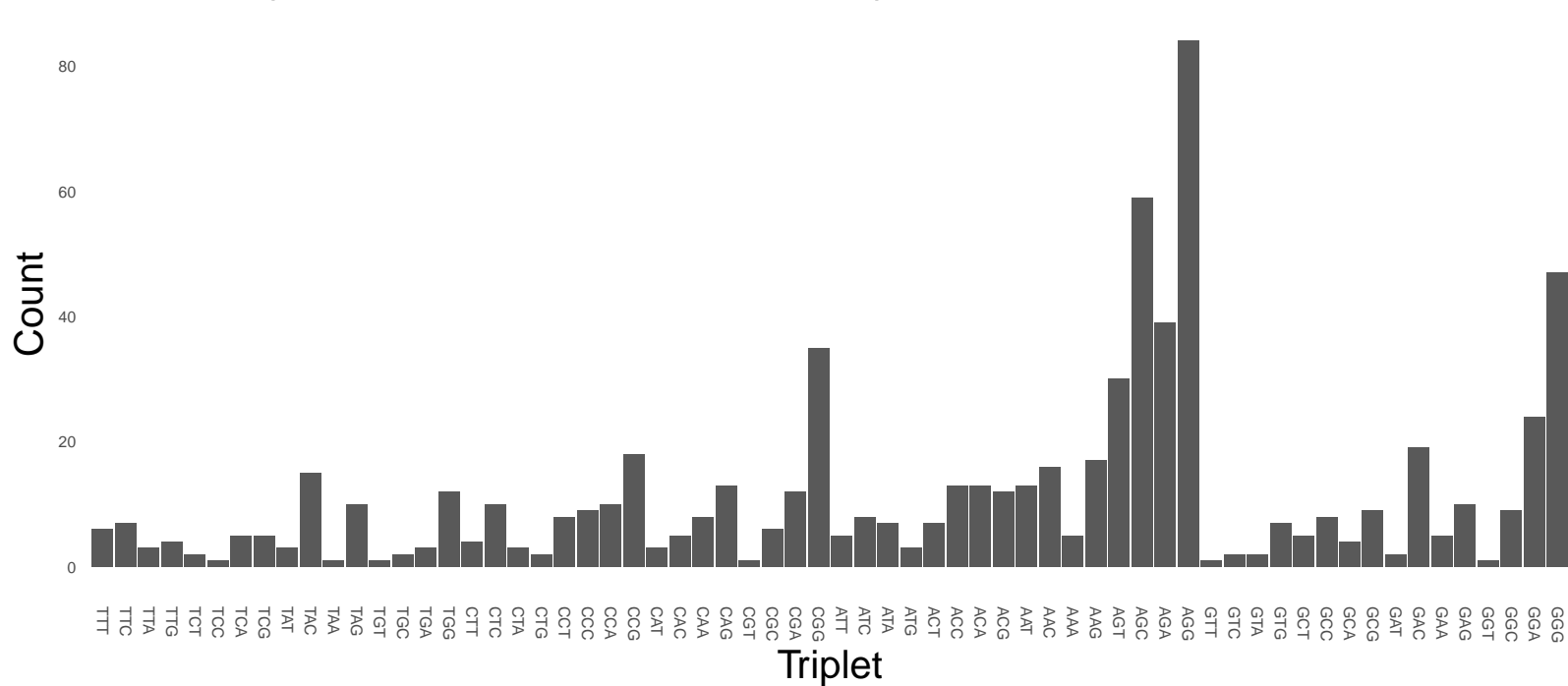
Gene TRBV7-7*ap01_C315T



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

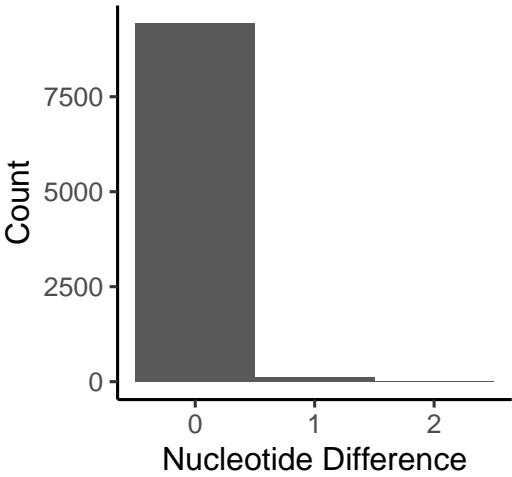


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



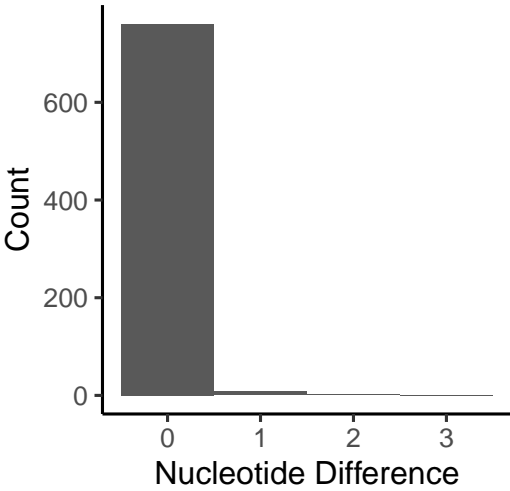
TRBV20-1*ap01

9537 sequences assigned
9429 (98.9%) exact matches, in which:
9311 unique CDR3
13 unique J



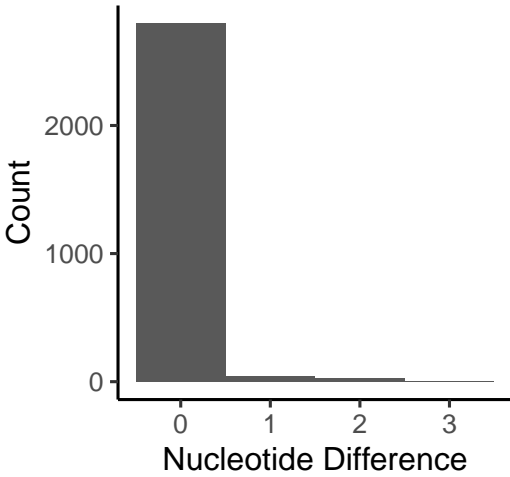
TRBV10-2*ap01

772 sequences assigned
761 (98.6%) exact matches, in which:
750 unique CDR3
13 unique J



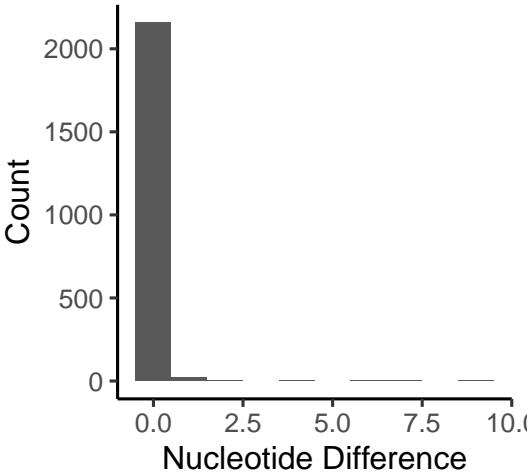
TRBV13*ap01

2872 sequences assigned
2797 (97.4%) exact matches, in which:
2739 unique CDR3
13 unique J



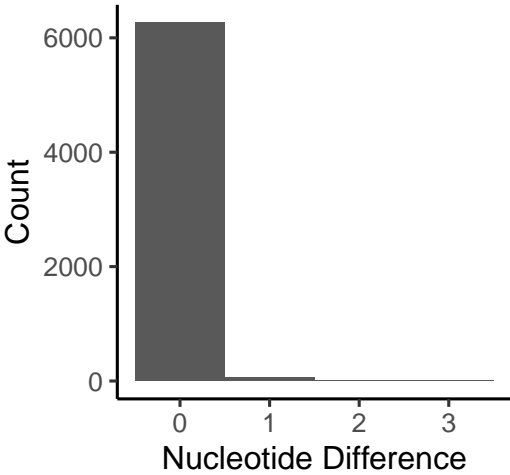
TRBV10-1*ap01

2185 sequences assigned
2157 (98.7%) exact matches, in which:
2110 unique CDR3
13 unique J



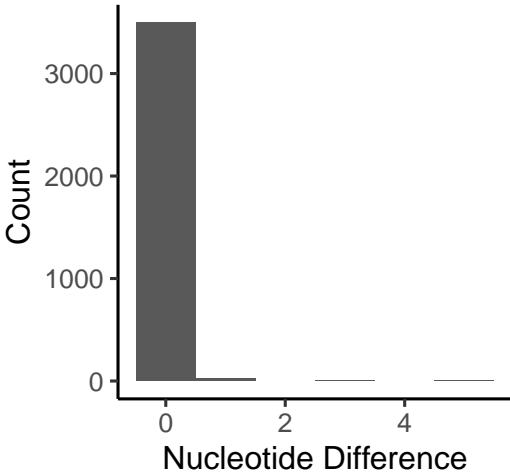
TRBV10-3*ap01

6338 sequences assigned
6264 (98.8%) exact matches, in which:
6169 unique CDR3
13 unique J



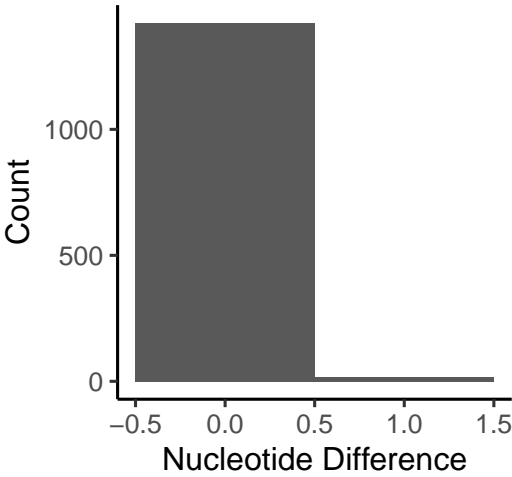
TRBV14*ap01

3518 sequences assigned
3496 (99.4%) exact matches, in which:
3442 unique CDR3
13 unique J



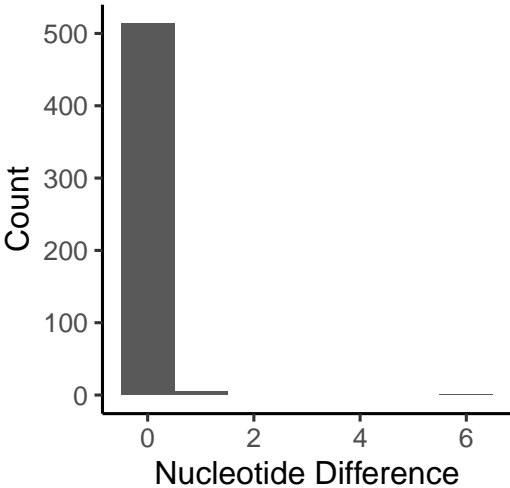
TRBV20-1*ap02

1438 sequences assigned
1422 (98.9%) exact matches, in which:
1405 unique CDR3
13 unique J



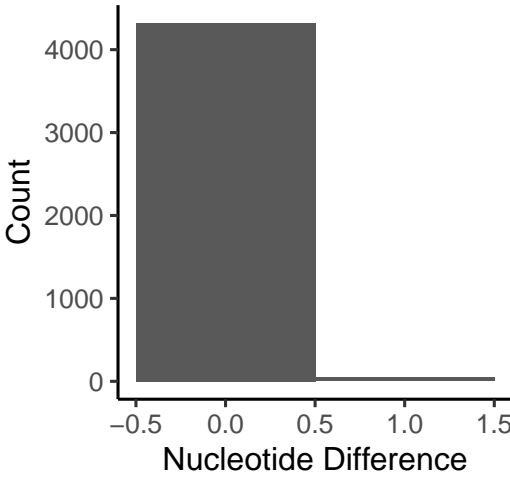
TRBV1*ap01

520 sequences assigned
514 (98.8%) exact matches, in which:
508 unique CDR3
13 unique J



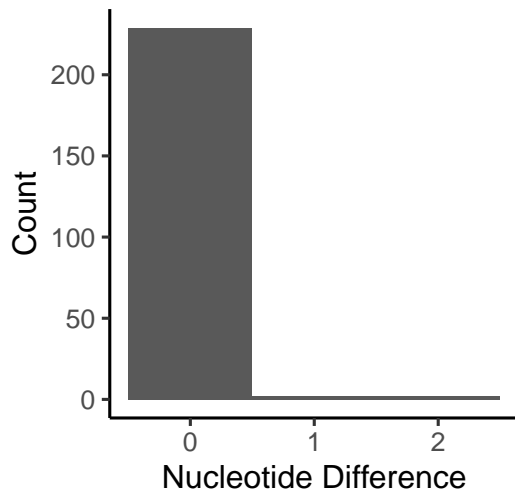
TRBV15*ap02

4368 sequences assigned
4321 (98.9%) exact matches, in which:
4245 unique CDR3
13 unique J



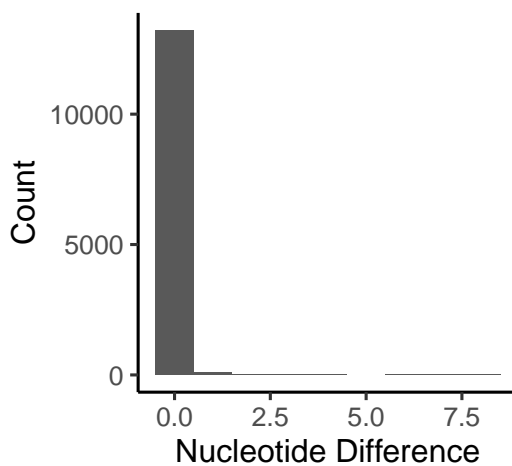
TRBV16*ap01

233 sequences assigned
229 (98.3%) exact matches, in which:
226 unique CDR3
13 unique J



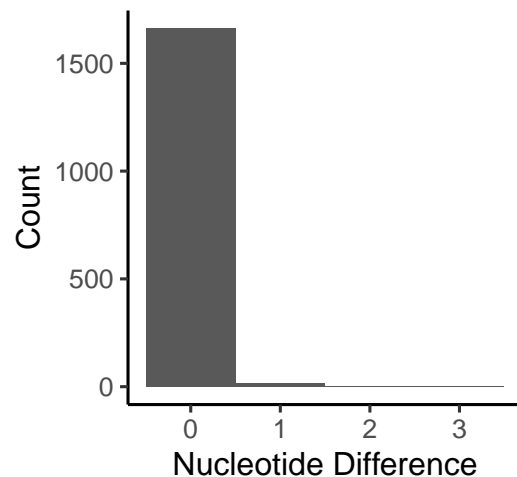
TRBV19*ap01

13345 sequences assigned
13221 (99.1%) exact matches, in which:
13133 unique CDR3
13 unique J



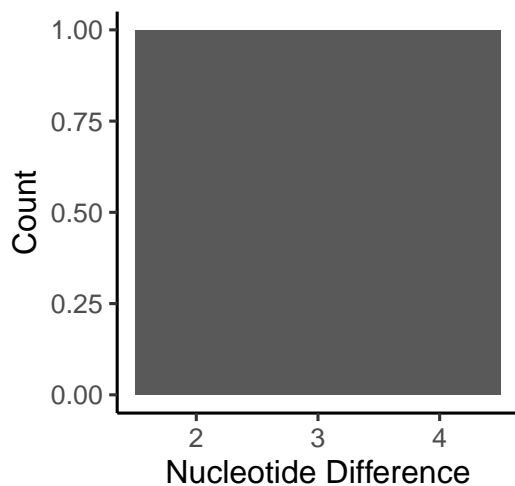
TRBV28*ap01

1680 sequences assigned
1662 (98.9%) exact matches, in which:
1640 unique CDR3
13 unique J



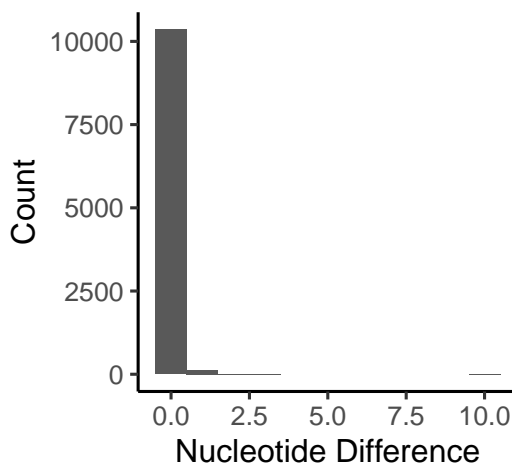
TRBV17*ap01

3 sequences assigned
No exact matches.



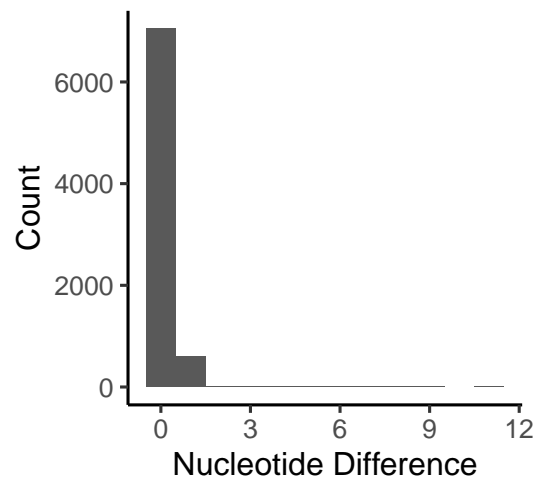
TRBV2*ap01

10499 sequences assigned
10358 (98.7%) exact matches, in which:
10184 unique CDR3
13 unique J



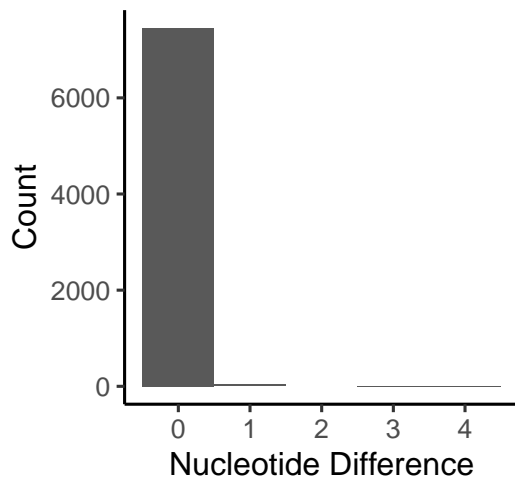
TRBV30*ap01

7673 sequences assigned
7047 (91.8%) exact matches, in which:
6956 unique CDR3
13 unique J



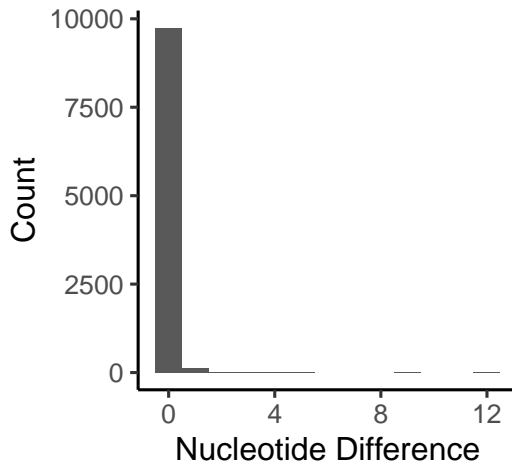
TRBV18*ap01

7490 sequences assigned
7452 (99.5%) exact matches, in which:
7391 unique CDR3
13 unique J



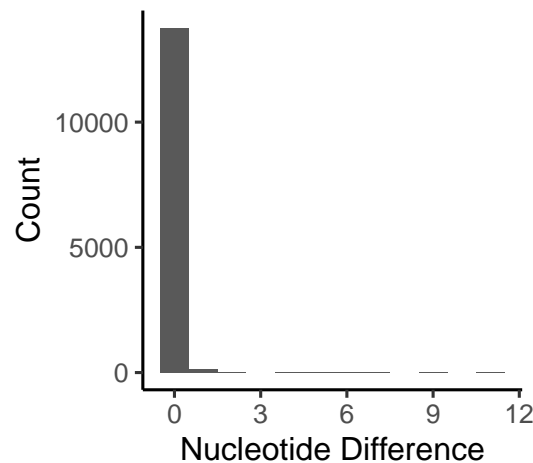
TRBV27*ap01

9891 sequences assigned
9746 (98.5%) exact matches, in which:
9576 unique CDR3
13 unique J



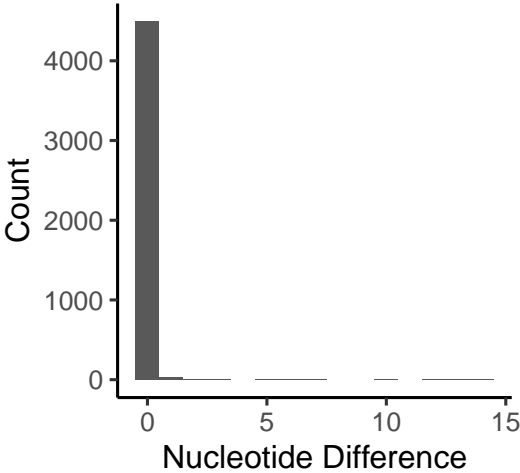
TRBV9*ap01

13919 sequences assigned
13766 (98.9%) exact matches, in which:
13589 unique CDR3
13 unique J



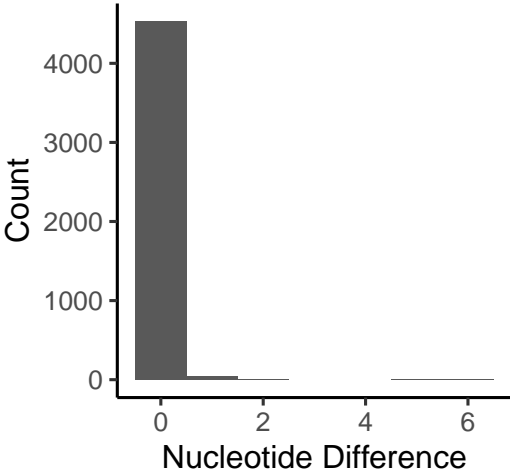
TRBV21-1*ap01

4552 sequences assigned
4494 (98.7%) exact matches, in which:
4444 unique CDR3
13 unique J



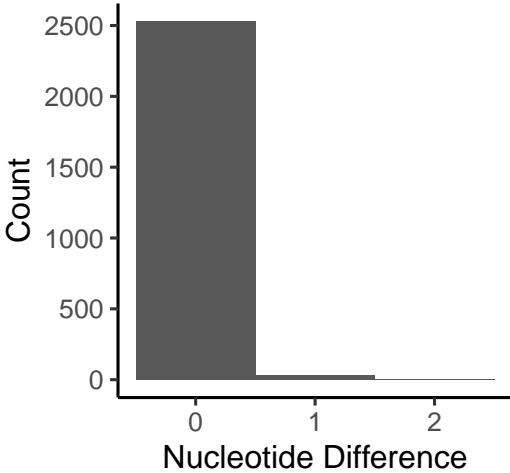
TRBV11-3*ap01

4576 sequences assigned
4530 (99%) exact matches, in which:
4468 unique CDR3
13 unique J



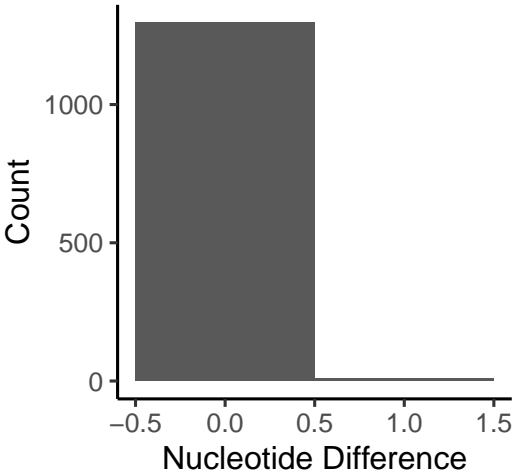
TRBV12-5*ap01

2560 sequences assigned
2529 (98.8%) exact matches, in which:
2493 unique CDR3
13 unique J



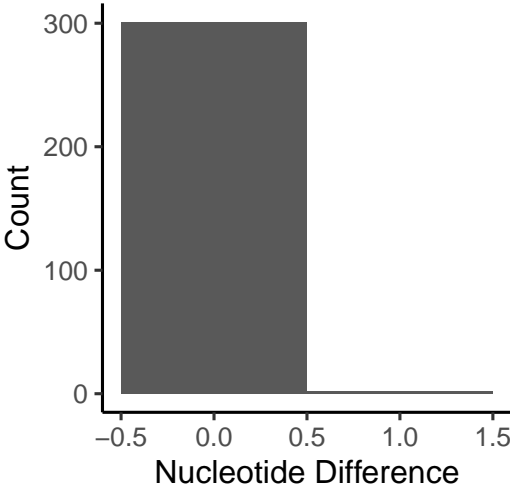
TRBV11-1*ap01

1305 sequences assigned
1296 (99.3%) exact matches, in which:
1286 unique CDR3
13 unique J



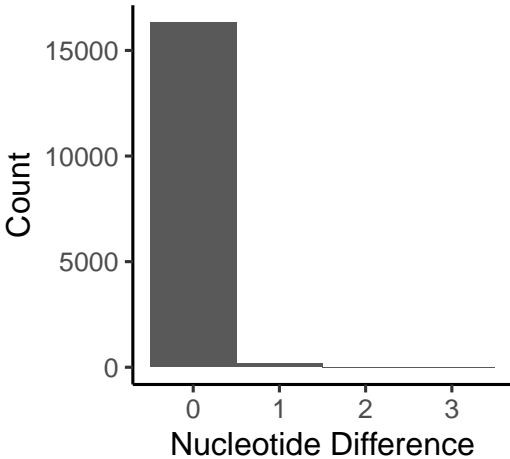
TRBV12-1*ap01

303 sequences assigned
301 (99.3%) exact matches, in which:
299 unique CDR3
13 unique J



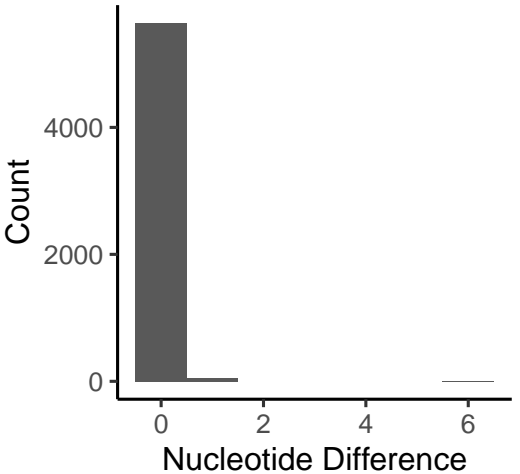
TRBV12-34*ap01

16502 sequences assigned
16324 (98.9%) exact matches, in which:
16084 unique CDR3
13 unique J



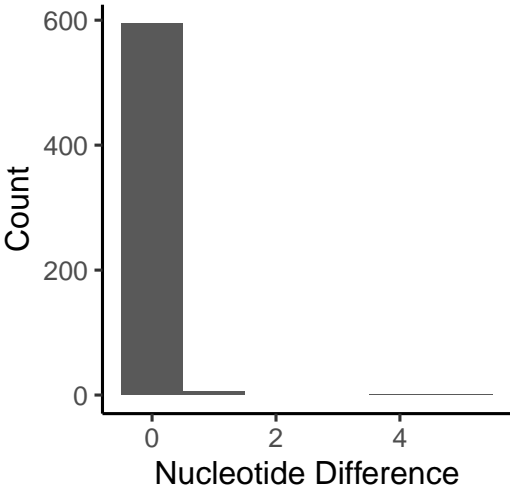
TRBV11-2*ap01

5696 sequences assigned
5644 (99.1%) exact matches, in which:
5545 unique CDR3
13 unique J



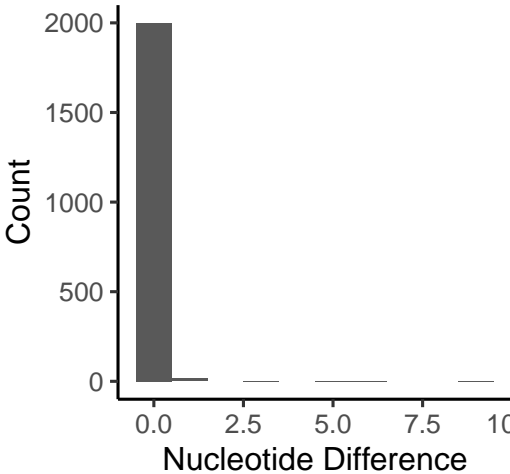
TRBV12-2*ap01

602 sequences assigned
595 (98.8%) exact matches, in which:
583 unique CDR3
13 unique J



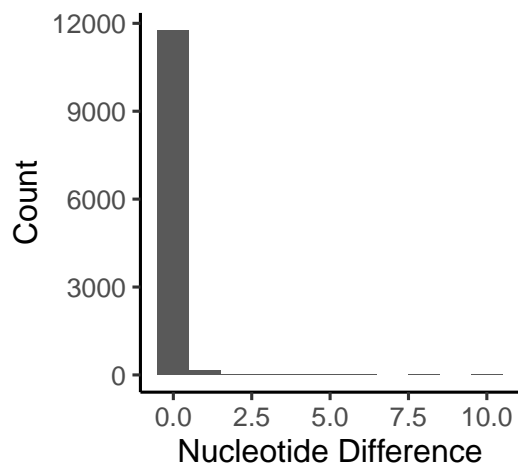
TRBV23-1*ap01

2018 sequences assigned
1999 (99.1%) exact matches, in which:
1971 unique CDR3
13 unique J



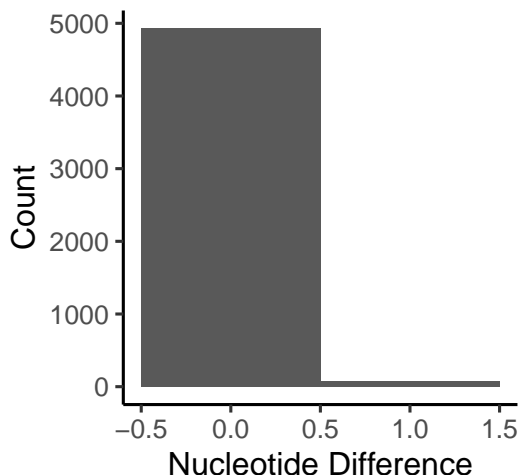
TRBV3-12*ap01

11922 sequences assigned
11767 (98.7%) exact matches, in which:
11590 unique CDR3
13 unique J



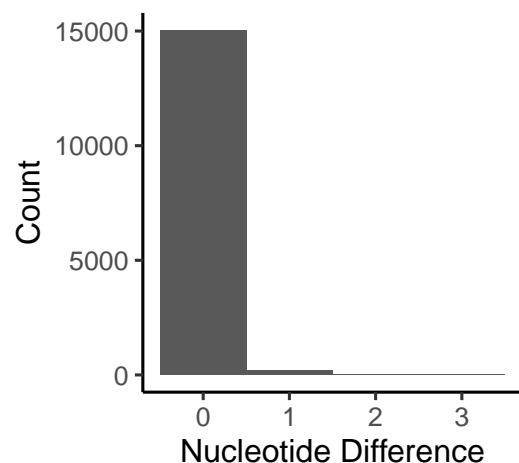
TRBV4-2*ap01

4999 sequences assigned
4930 (98.6%) exact matches, in which:
4843 unique CDR3
13 unique J



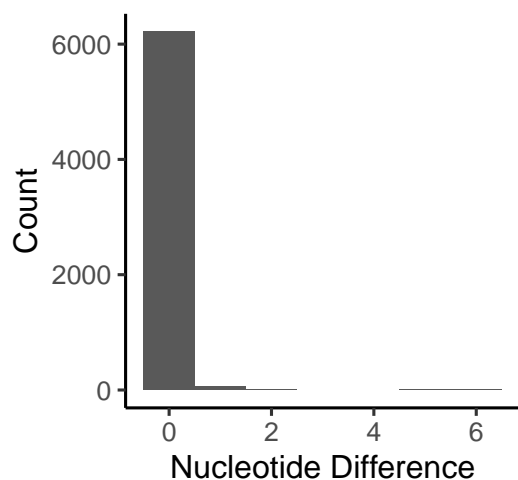
TRBV5-1*ap01

15224 sequences assigned
15039 (98.8%) exact matches, in which:
14730 unique CDR3
13 unique J



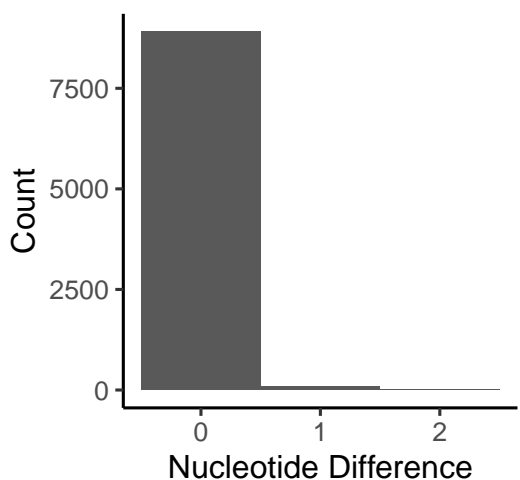
TRBV4-1*ap01

6285 sequences assigned
6215 (98.9%) exact matches, in which:
6102 unique CDR3
13 unique J



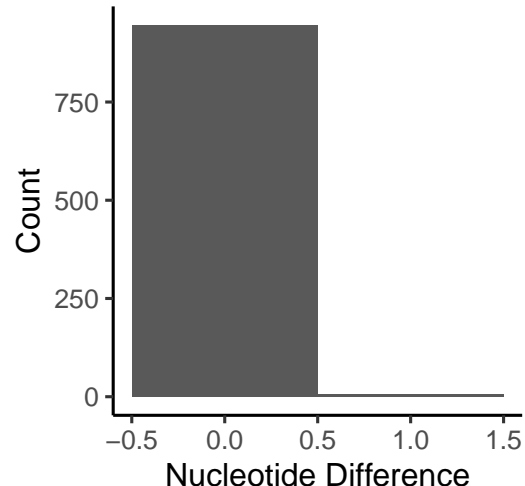
TRBV4-3*ap01

8992 sequences assigned
8907 (99.1%) exact matches, in which:
8784 unique CDR3
13 unique J



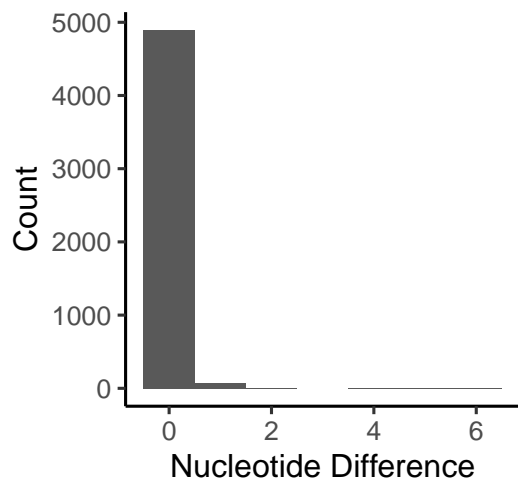
TRBV5-3*ap01

953 sequences assigned
946 (99.3%) exact matches, in which:
932 unique CDR3
13 unique J



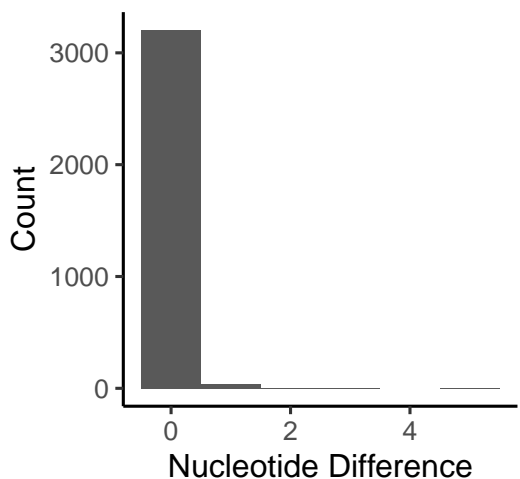
TRBV24-1*ap01

4978 sequences assigned
4894 (98.3%) exact matches, in which:
4813 unique CDR3
13 unique J



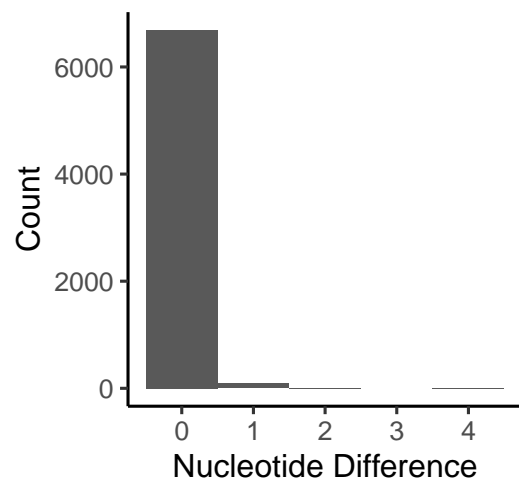
TRBV25-1*ap01

3248 sequences assigned
3204 (98.6%) exact matches, in which:
3150 unique CDR3
13 unique J



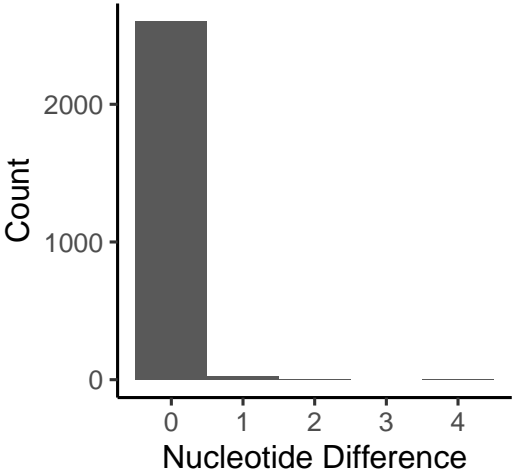
TRBV5-4*ap01

6783 sequences assigned
6689 (98.6%) exact matches, in which:
6570 unique CDR3
13 unique J



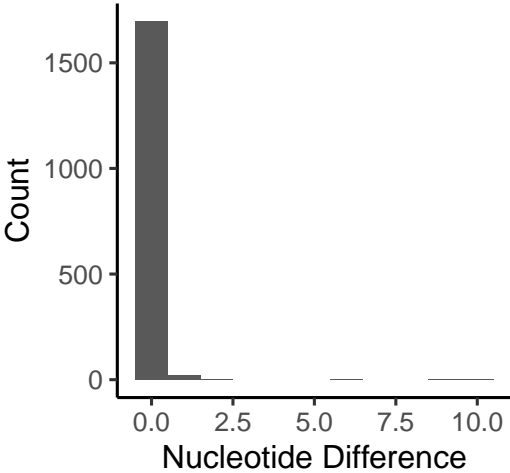
TRBV5-5*ap01

2631 sequences assigned
2602 (98.9%) exact matches, in which:
2585 unique CDR3
13 unique J



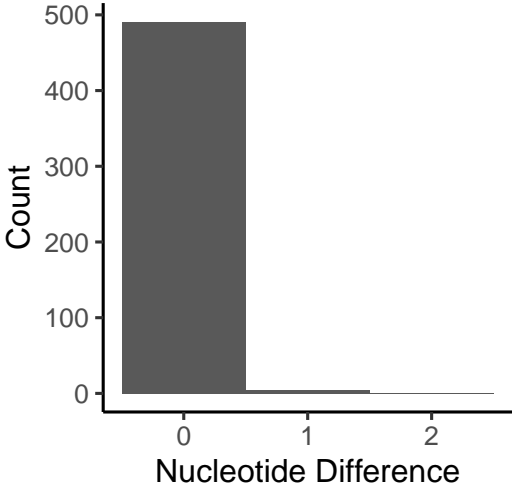
TRBV5-8*ap01

1724 sequences assigned
1696 (98.4%) exact matches, in which:
1679 unique CDR3
13 unique J



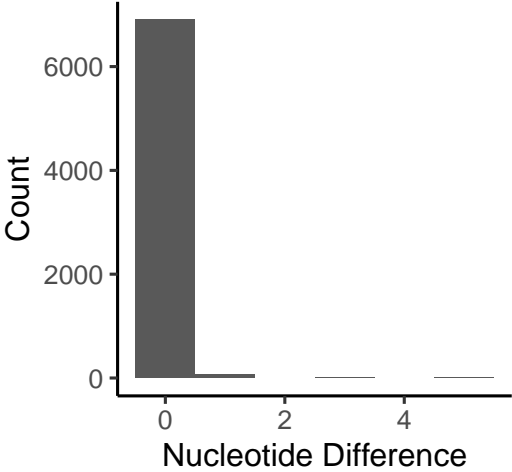
TRBV6-7*ap01

497 sequences assigned
491 (98.8%) exact matches, in which:
480 unique CDR3
13 unique J



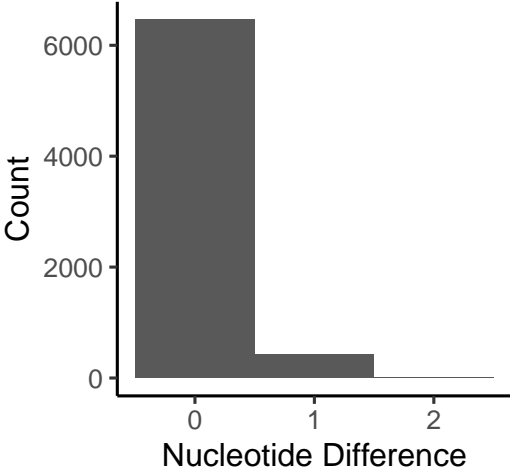
TRBV5-6*ap01

6980 sequences assigned
6903 (98.9%) exact matches, in which:
6775 unique CDR3
13 unique J



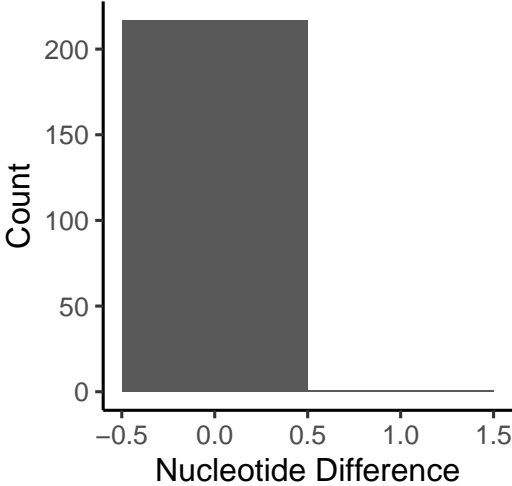
TRBV6-1*ap01

6890 sequences assigned
6461 (93.8%) exact matches, in which:
6338 unique CDR3
13 unique J



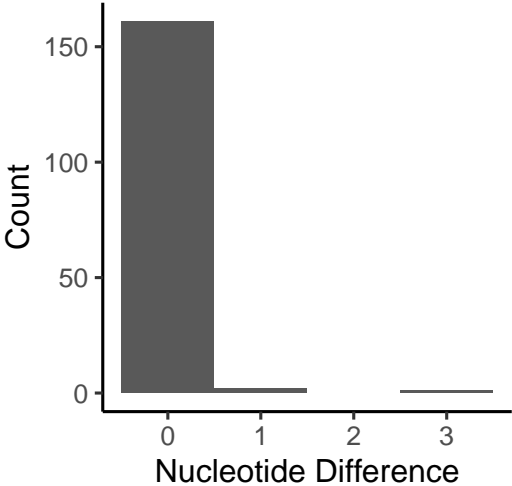
TRBV6-8*ap01

218 sequences assigned
217 (99.5%) exact matches, in which:
214 unique CDR3
13 unique J



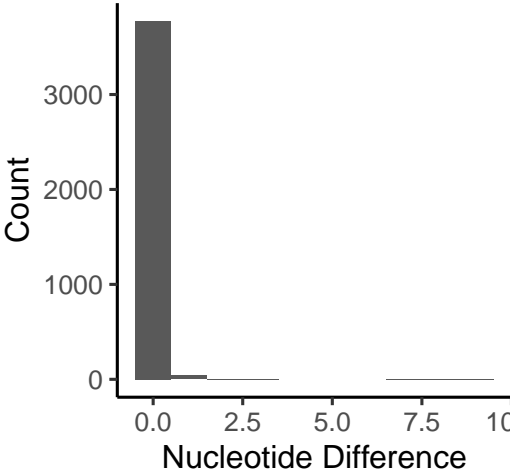
TRBV5-7*ap01

164 sequences assigned
161 (98.2%) exact matches, in which:
157 unique CDR3
13 unique J



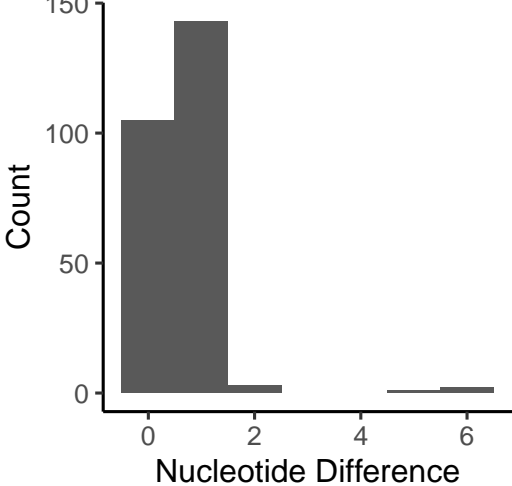
TRBV6-4*ap01

3826 sequences assigned
3774 (98.6%) exact matches, in which:
3729 unique CDR3
13 unique J



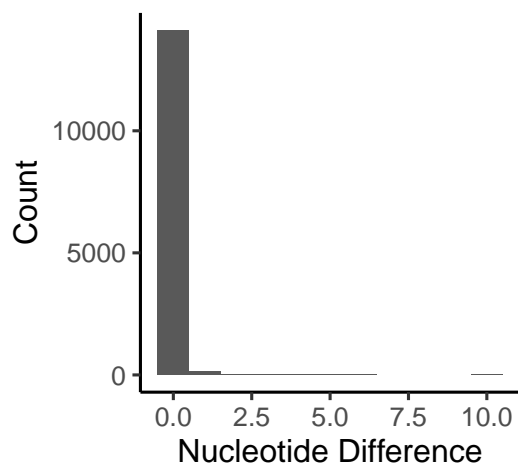
TRBV6-9*ap01

254 sequences assigned
105 (41.3%) exact matches, in which:
104 unique CDR3
13 unique J



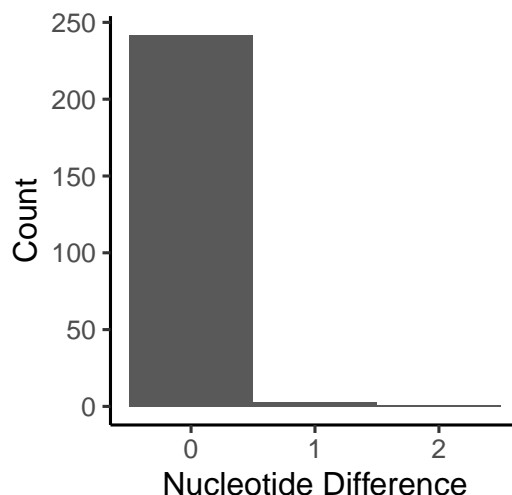
TRBV6-23*ap01

14280 sequences assigned
14122 (98.9%) exact matches, in which:
13836 unique CDR3
14 unique J



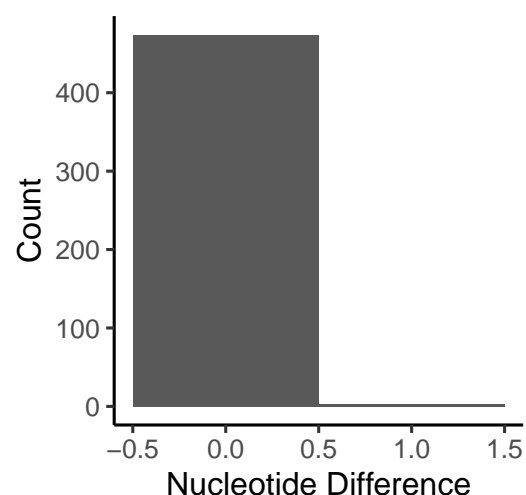
TRBV7-1*ap01_G291C_

246 sequences assigned
242 (98.4%) exact matches, in which:
240 unique CDR3
13 unique J



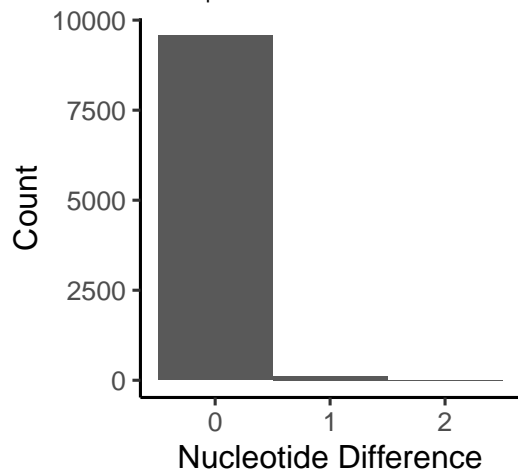
TRBV7-4*ap01

477 sequences assigned
474 (99.4%) exact matches, in which:
464 unique CDR3
13 unique J



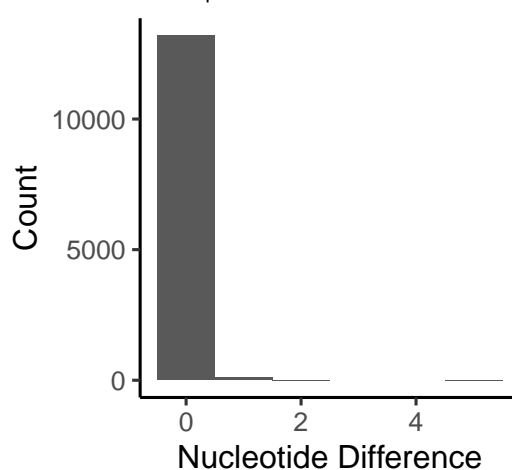
TRBV6-56*ap01

9697 sequences assigned
9574 (98.7%) exact matches, in which:
9390 unique CDR3
13 unique J



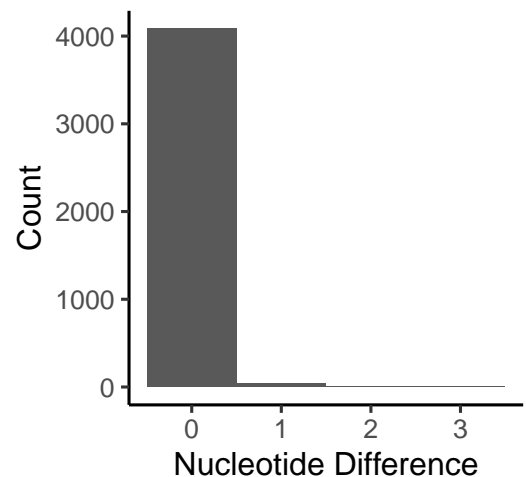
TRBV7-2*ap01

13301 sequences assigned
13200 (99.2%) exact matches, in which:
13039 unique CDR3
13 unique J



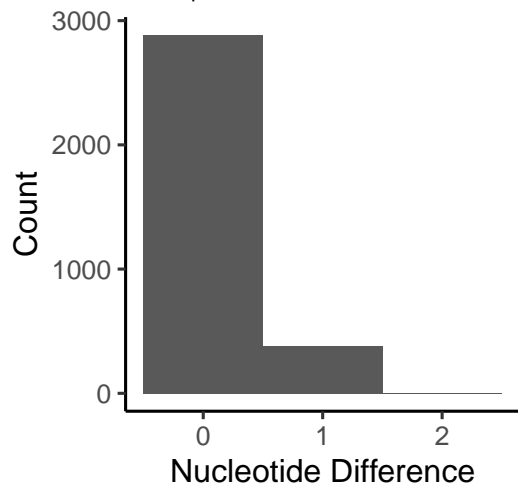
TRBV7-6*ap01

4126 sequences assigned
4084 (99%) exact matches, in which:
4020 unique CDR3
13 unique J



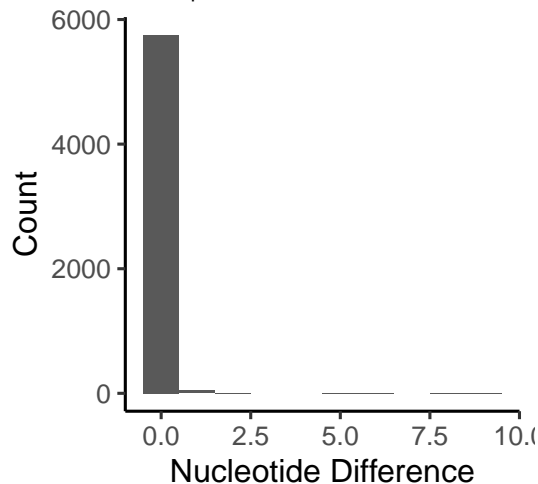
TRBV6-56*ap02

3271 sequences assigned
2884 (88.2%) exact matches, in which:
2825 unique CDR3
13 unique J



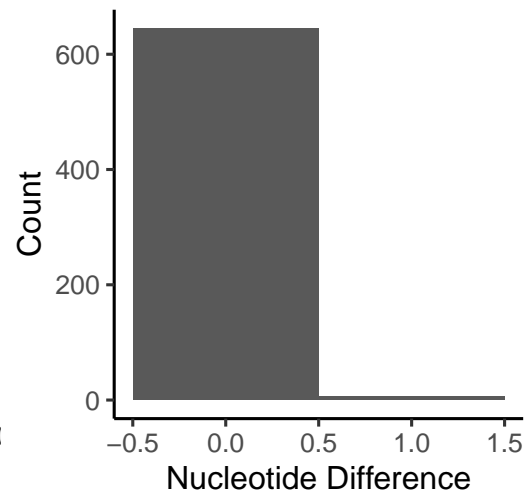
TRBV7-3*ap01

5804 sequences assigned
5751 (99.1%) exact matches, in which:
5702 unique CDR3
13 unique J



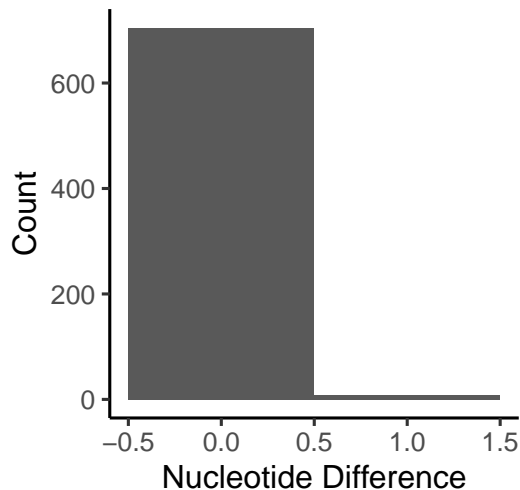
TRBV7-7*ap01

651 sequences assigned
645 (99.1%) exact matches, in which:
634 unique CDR3
13 unique J



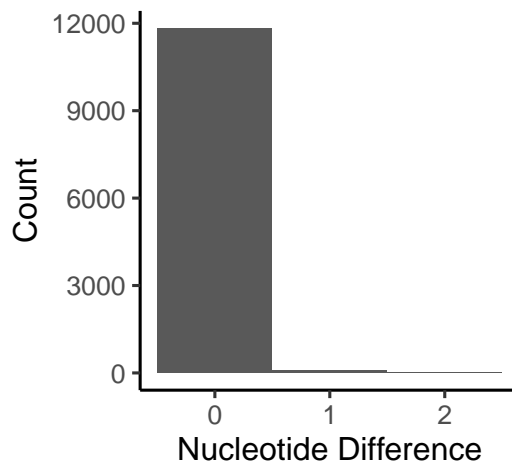
TRBV7-7*ap01_C315T

713 sequences assigned
705 (98.9%) exact matches, in which:
691 unique CDR3
13 unique J



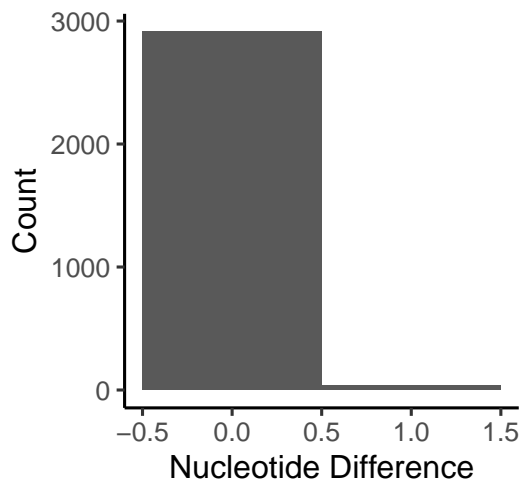
TRBV7-9*ap01

11925 sequences assigned
11833 (99.2%) exact matches, in which:
11705 unique CDR3
13 unique J



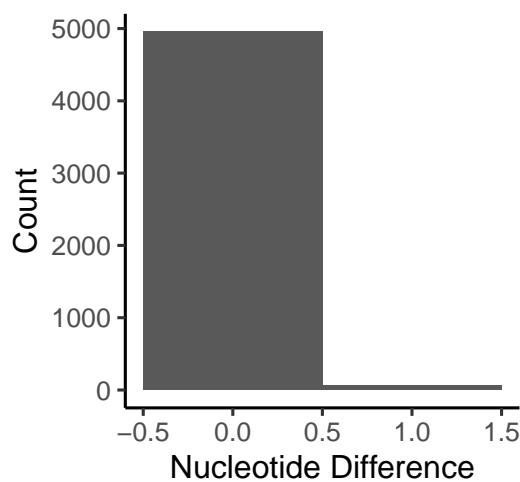
TRBV7-8*ap01

2950 sequences assigned
2913 (98.7%) exact matches, in which:
2864 unique CDR3
13 unique J



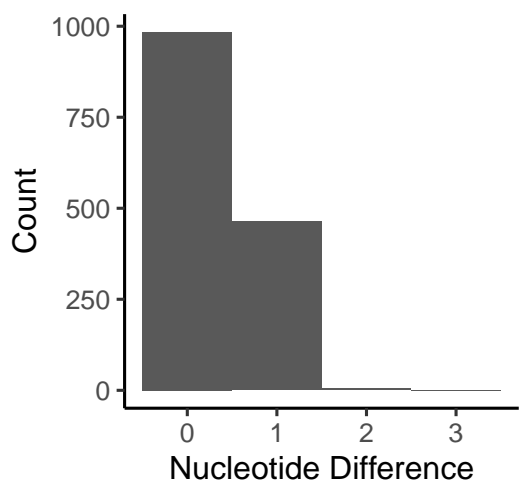
TRBV29-1*ap01

5015 sequences assigned
4956 (98.8%) exact matches, in which:
4876 unique CDR3
13 unique J



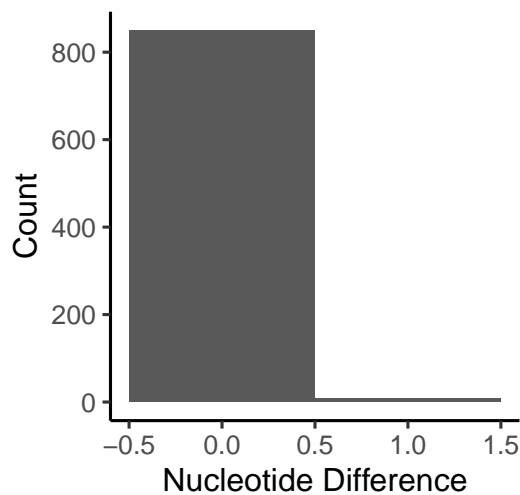
TRBV7-8*ap03

1454 sequences assigned
984 (67.7%) exact matches, in which:
970 unique CDR3
13 unique J

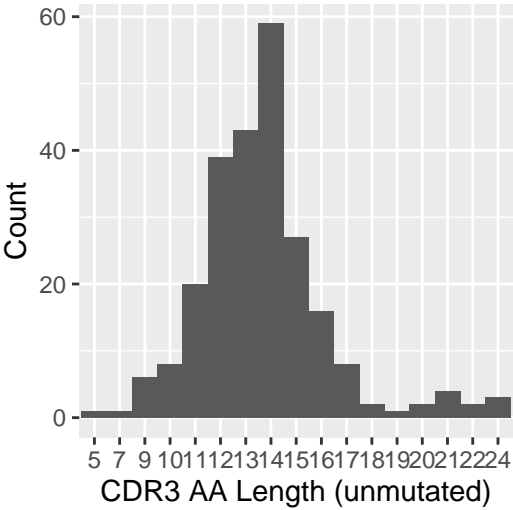


TRBV29-1*ap02

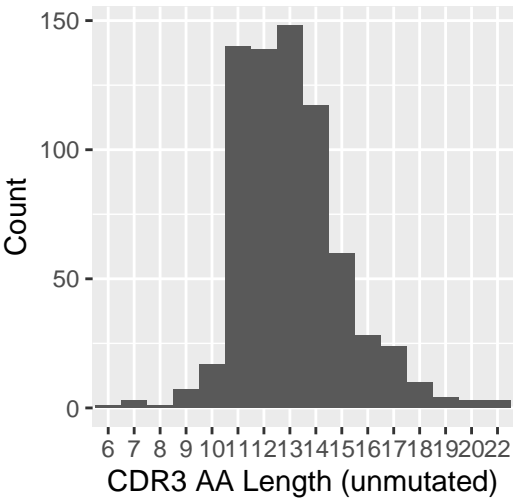
858 sequences assigned
850 (99.1%) exact matches, in which:
834 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]