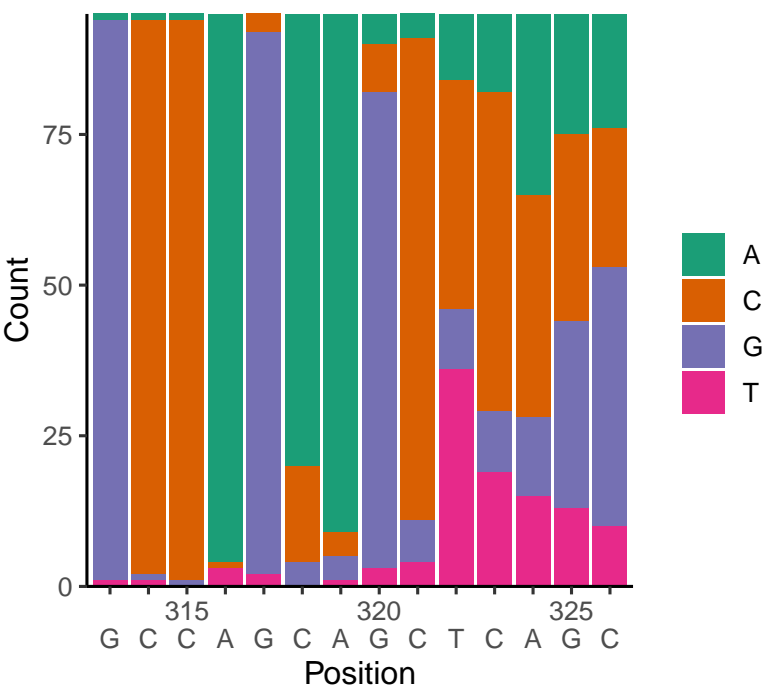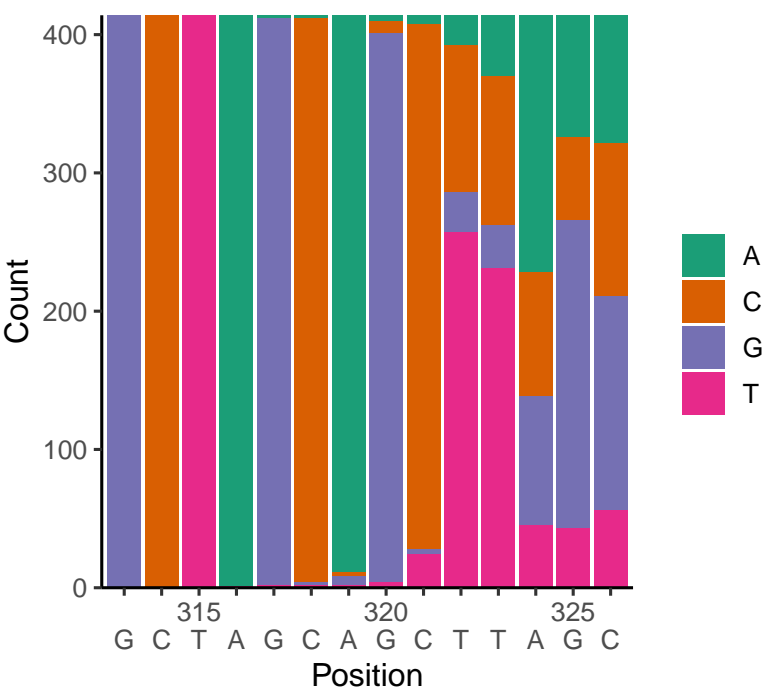Gene TRBV7−1*ap01_T296C

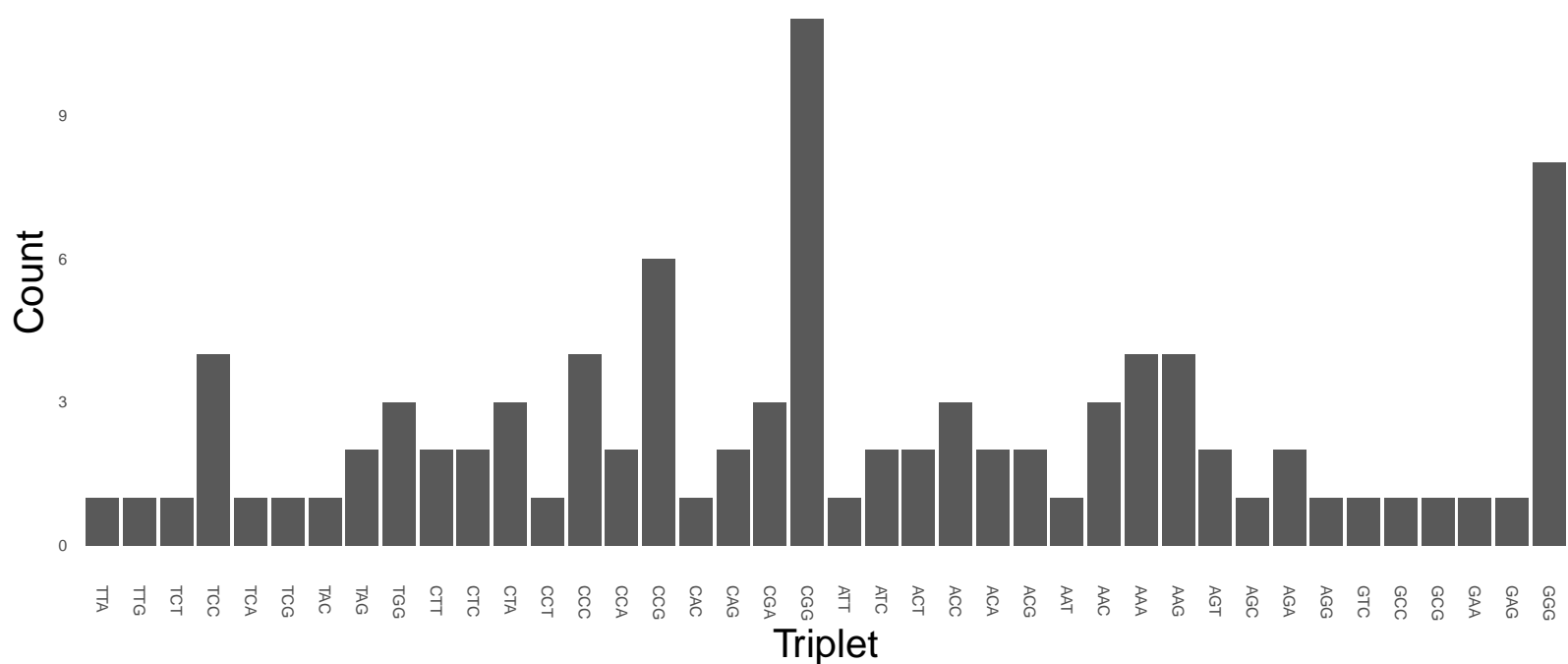Gene TRBV7−7*ap01_C315T
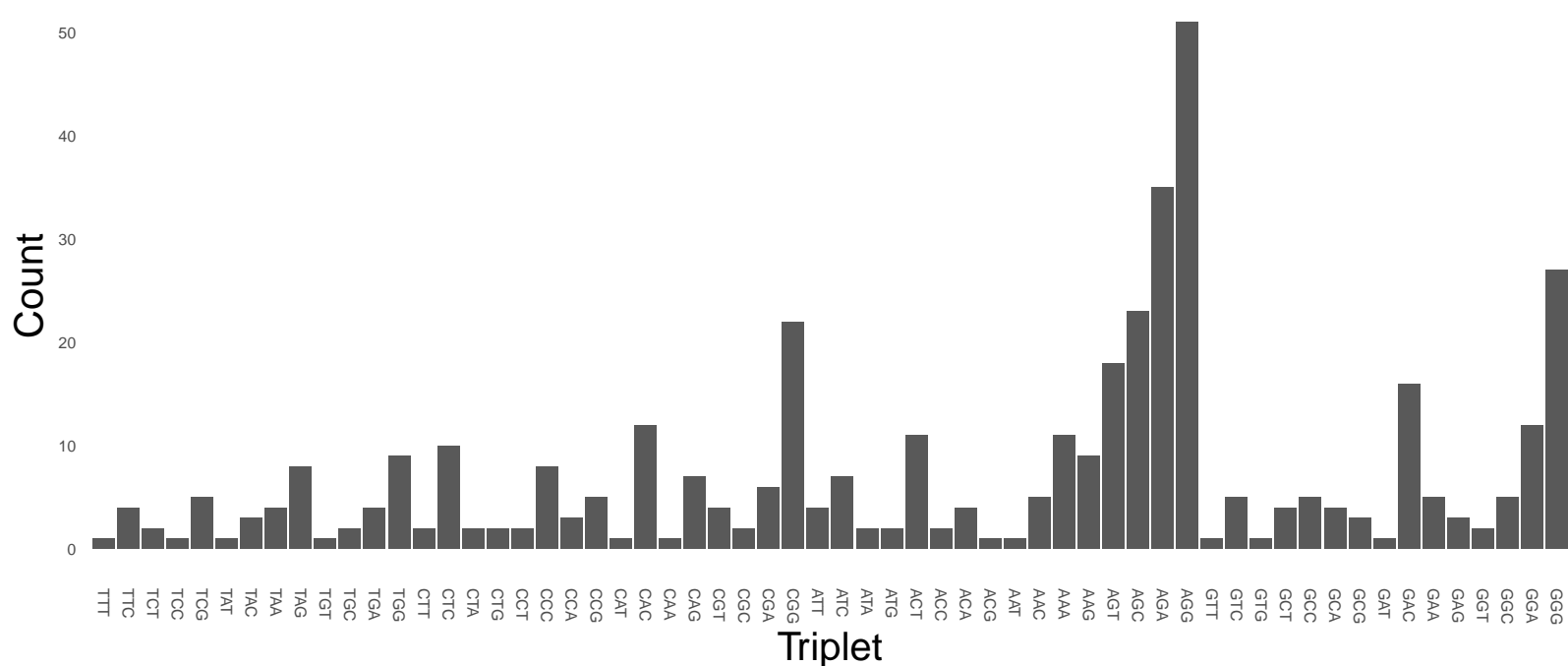
Gene TRBV7−1*ap01_T296C

Gene TRBV7−7*ap01_C315T

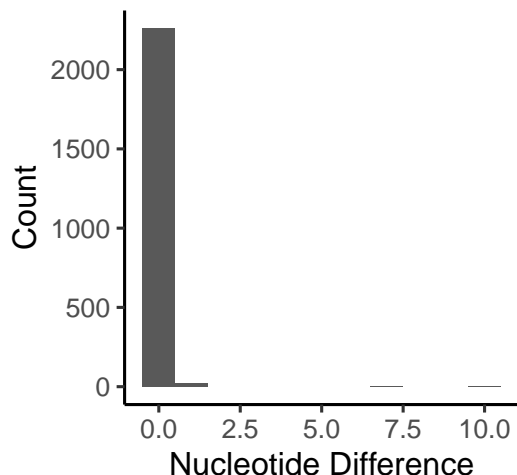TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet

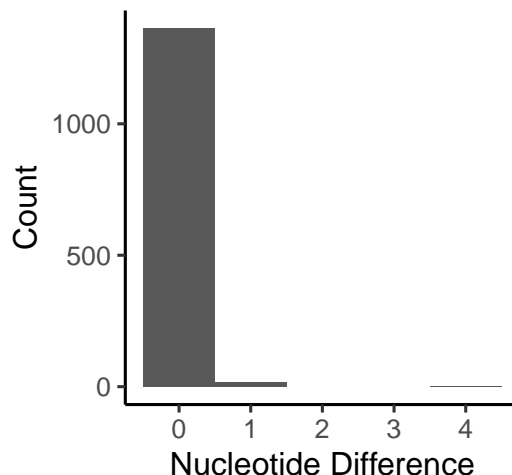TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet

TRBV10−1*ap01

2284 sequences assigned
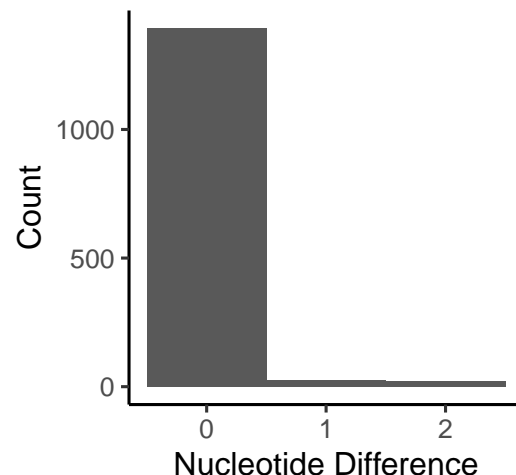2260 (98.9%) exact matches, in which:
2207 unique CDR3
13 unique J

TRBV10−2*ap01

1381 sequences assigned
1363 (98.7%) exact matches, in which:
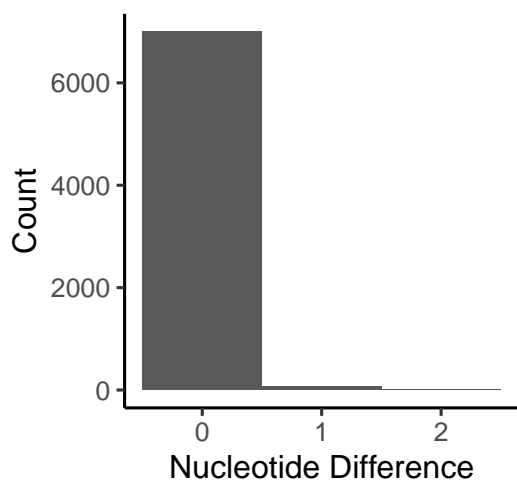1333 unique CDR3
13 unique J

TRBV13*ap01

1440 sequences assigned
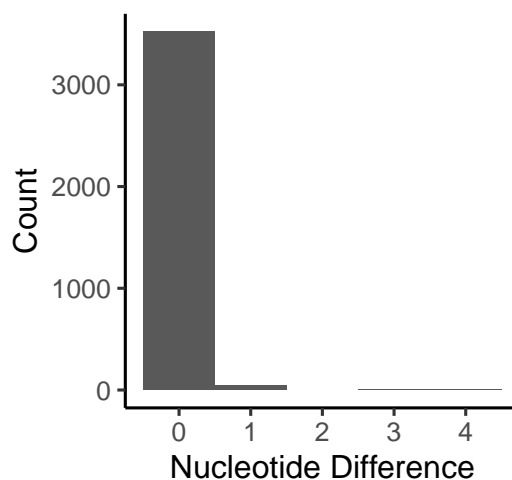1393 (96.7%) exact matches, in which:
1344 unique CDR3
13 unique J

TRBV20−1*ap01

7063 sequences assigned
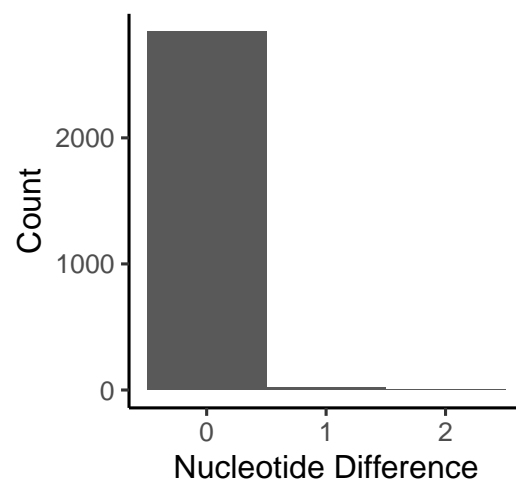6999 (99.1%) exact matches, in which:
6894 unique CDR3
13 unique J

TRBV10−3*ap01

3566 sequences assigned
3522 (98.8%) exact matches, in which:
3427 unique CDR3
13 unique J

TRBV14*ap01

2860 sequences assigned
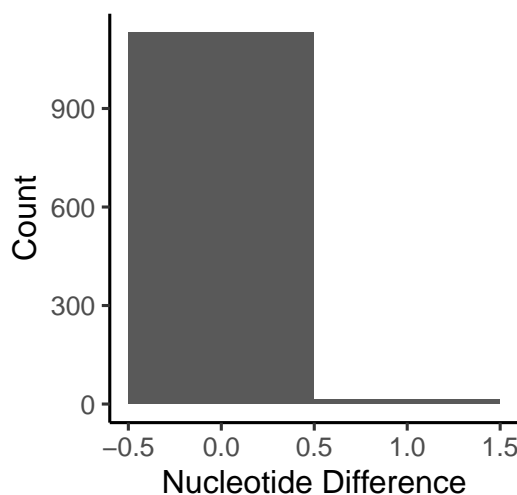2842 (99.4%) exact matches, in which:
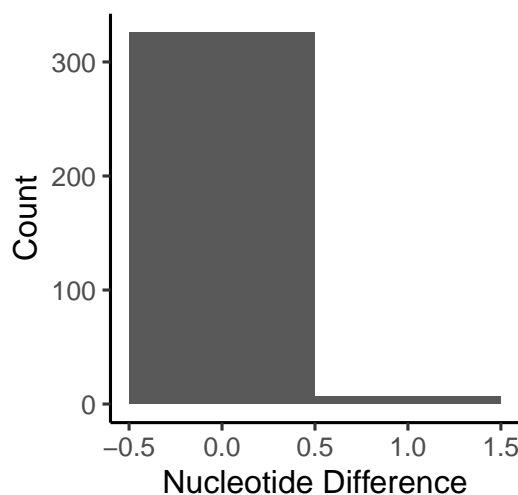2795 unique CDR3
13 unique J

TRBV20−1*ap02

1147 sequences assigned
1132 (98.7%) exact matches, in which:
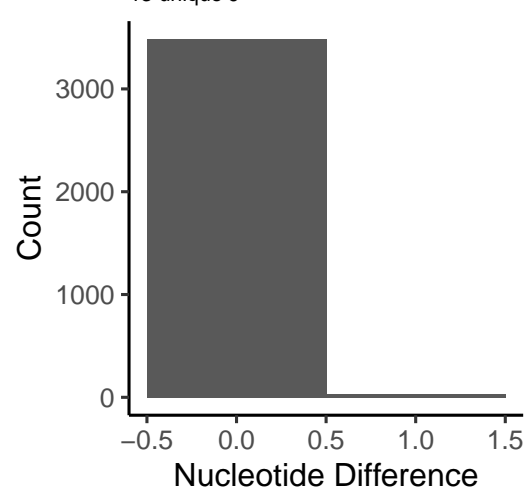1125 unique CDR3
13 unique J

TRBV1*ap01

333 sequences assigned
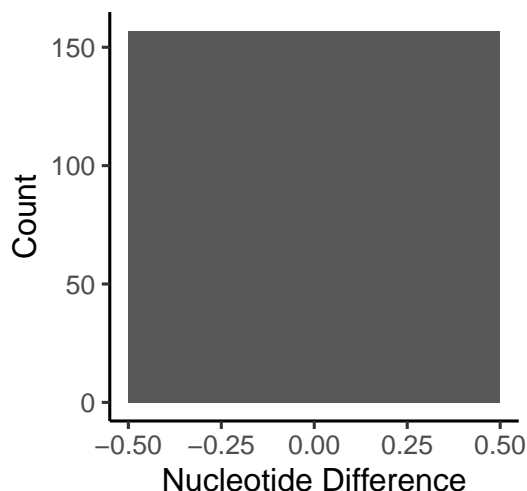326 (97.9%) exact matches, in which:
313 unique CDR3
13 unique J

TRBV15*ap02

3518 sequences assigned
3485 (99.1%) exact matches, in which:
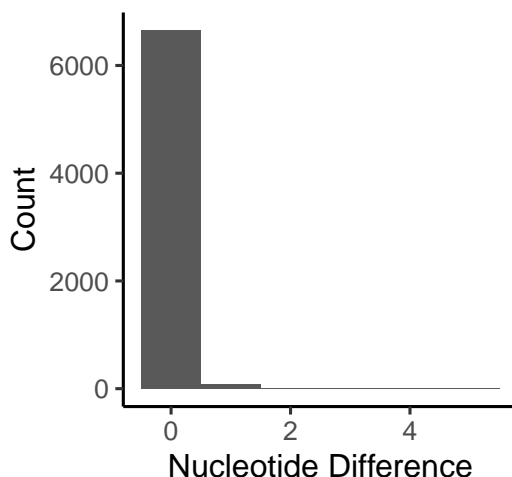3399 unique CDR3
13 unique J

TRBV16*ap01

157 sequences assigned
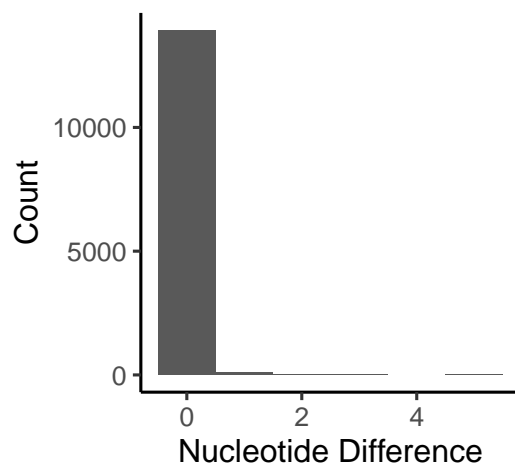157 (100%) exact matches, in which:
157 unique CDR3
13 unique J

TRBV2*ap01

6749 sequences assigned
6651 (98.5%) exact matches, in which:
6455 unique CDR3
13 unique J

TRBV28*ap01

14022 sequences assigned
13931 (99.4%) exact matches, in which:
13795 unique CDR3
13 unique J

TRBV18*ap01

4581 sequences assigned
4556 (99.5%) exact matches, in which:
4514 unique CDR3
13 unique J

TRBV26*ap01

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

TRBV30*ap01

3755 sequences assigned
3451 (91.9%) exact matches, in which:
3358 unique CDR3
13 unique J

TRBV19*ap01

10497 sequences assigned
10386 (98.9%) exact matches, in which:
10269 unique CDR3
13 unique J

TRBV27*ap01

9042 sequences assigned
8966 (99.2%) exact matches, in which:
8831 unique CDR3
13 unique J

TRBV9*ap01

7146 sequences assigned
7080 (99.1%) exact matches, in which:
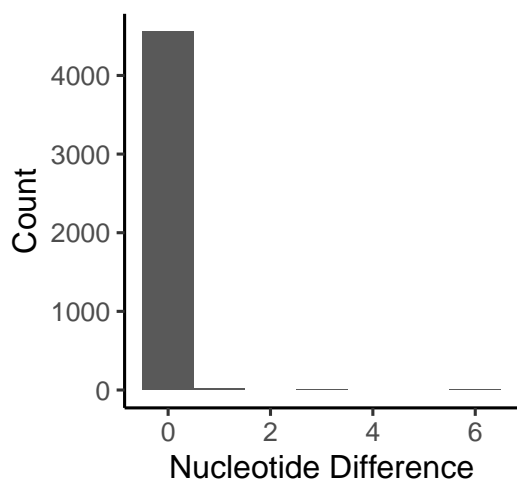6987 unique CDR3
13 unique J

TRBV21−1*ap01

2572 sequences assigned
2539 (98.7%) exact matches, in which:
2523 unique CDR3
13 unique J

TRBV11−3*ap01

2132 sequences assigned
2119 (99.4%) exact matches, in which:
2089 unique CDR3
13 unique J

TRBV12−5*ap01

1023 sequences assigned
1015 (99.2%) exact matches, in which:
1004 unique CDR3
13 unique J

TRBV11−1*ap01

852 sequences assigned
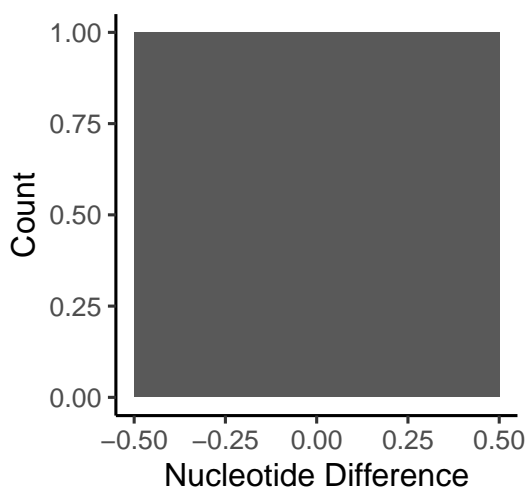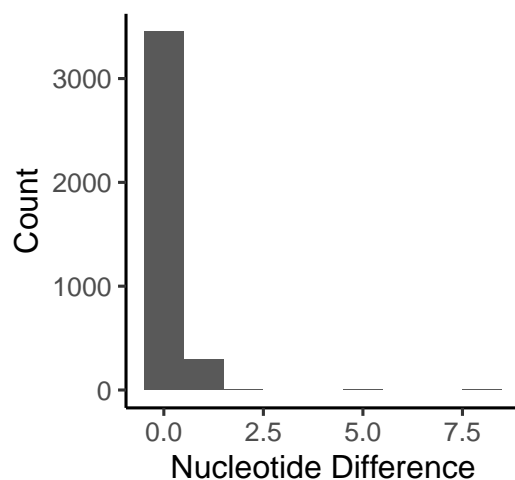849 (99.6%) exact matches, in which:
835 unique CDR3
13 unique J

TRBV12−1*ap01

206 sequences assigned
202 (98.1%) exact matches, in which:
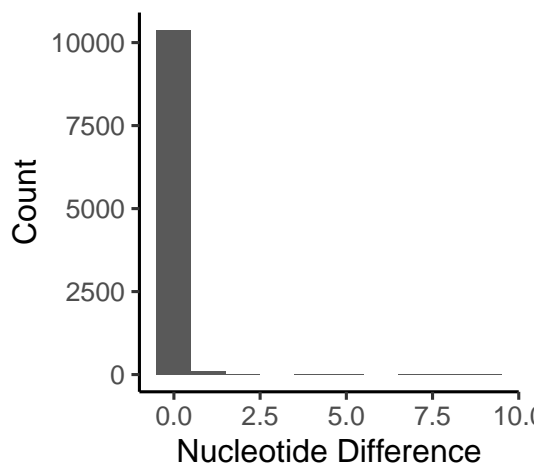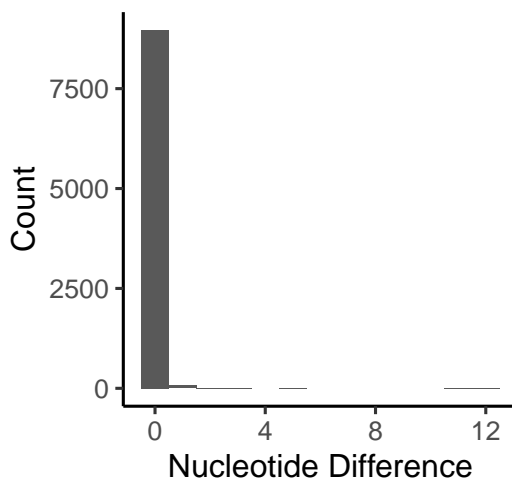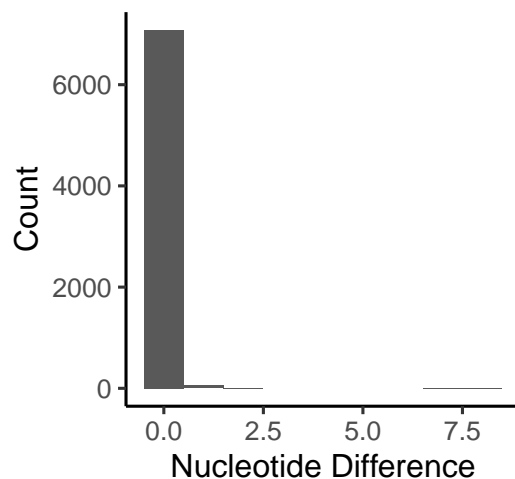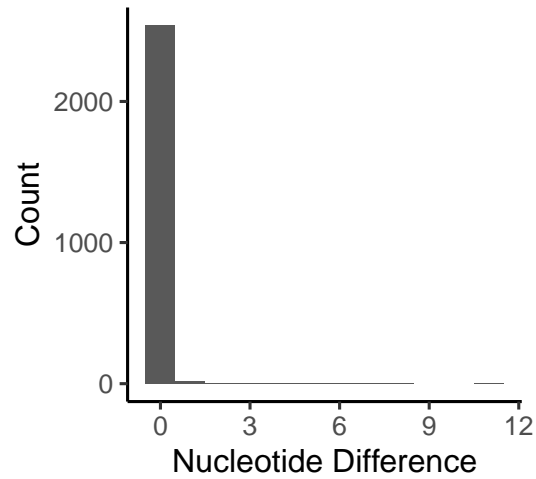200 unique CDR3
13 unique J

TRBV12−34*ap01

7185 sequences assigned
7115 (99%) exact matches, in which:
7003 unique CDR3
13 unique J

TRBV11−2*ap01

4628 sequences assigned
4593 (99.2%) exact matches, in which:
4503 unique CDR3
13 unique J

TRBV12−2*ap01

381 sequences assigned
377 (99%) exact matches, in which:
366 unique CDR3
13 unique J

TRBV23−1*ap01

832 sequences assigned
824 (99%) exact matches, in which:
817 unique CDR3
13 unique J

TRBV3–12*ap01

5950 sequences assigned
5890 (99%) exact matches, in which:
5763 unique CDR3
13 unique J

TRBV4–2*ap01

2262 sequences assigned
2231 (98.6%) exact matches, in which:
2186 unique CDR3
13 unique J

TRBV5–1*ap01

12865 sequences assigned
12712 (98.8%) exact matches, in which:
12360 unique CDR3
13 unique J

TRBV24–1*ap01

4882 sequences assigned
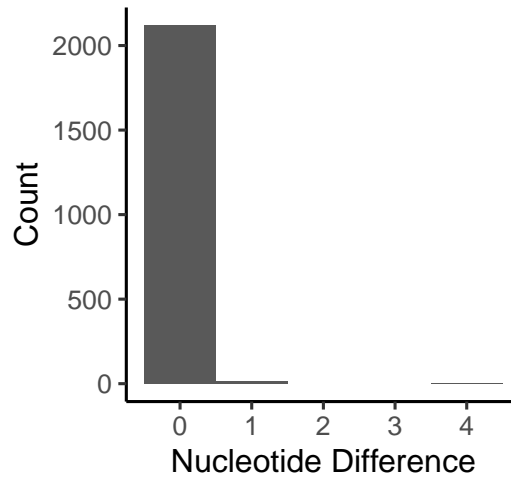4834 (99%) exact matches, in which:
4762 unique CDR3
13 unique J

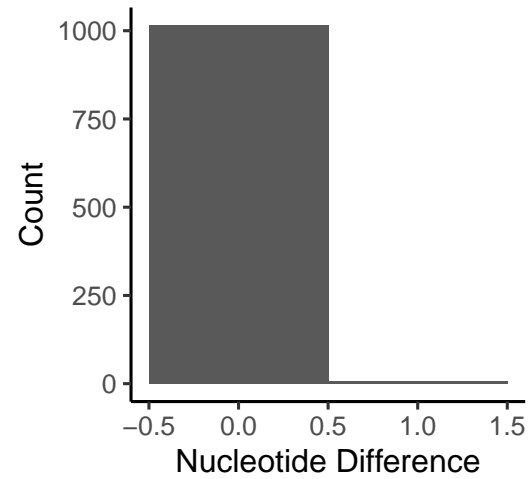## TRBV4–3*ap01

2177 sequences assigned
2162 (99.3%) exact matches, in which:
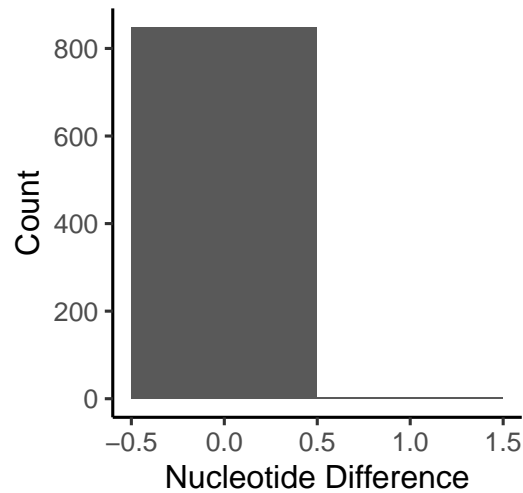2107 unique CDR3
13 unique J

TRBV5–3*ap01

550 sequences assigned
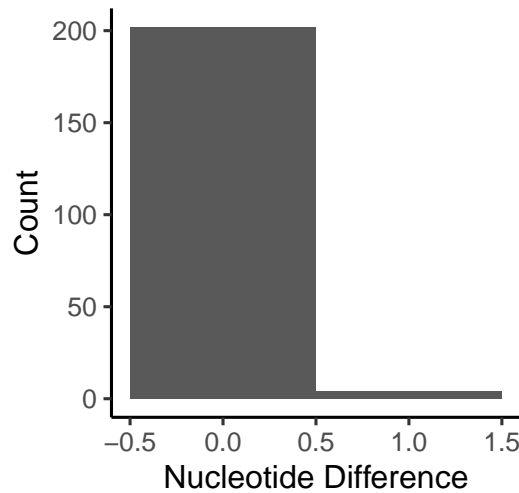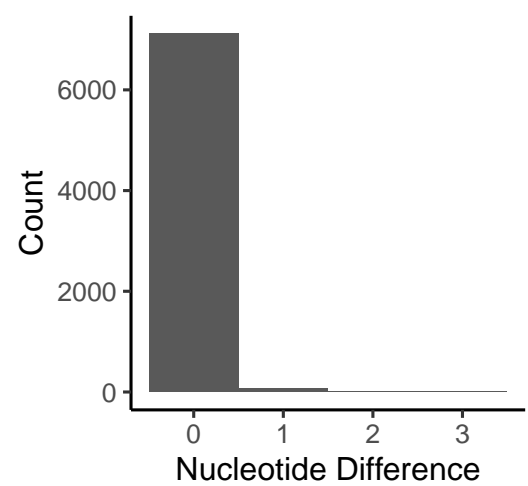540 (98.2%) exact matches, in which:
530 unique CDR3
13 unique J

TRBV4–1*ap01

4110 sequences assigned
4069 (99%) exact matches, in which:
3947 unique CDR3
13 unique J

TRBV25–1*ap01

2322 sequences assigned
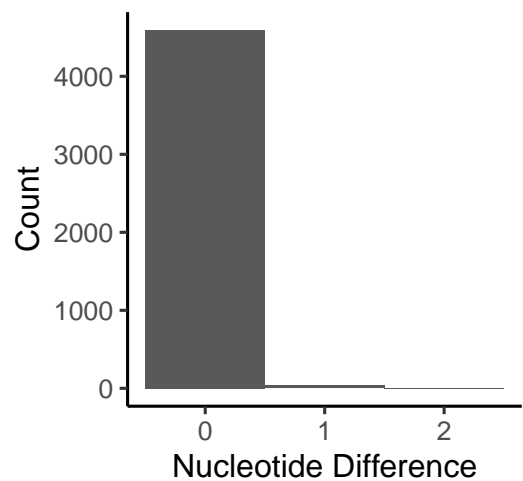2286 (98.4%) exact matches, in which:
2216 unique CDR3
13 unique J

TRBV5–4*ap01

4397 sequences assigned
4356 (99.1%) exact matches, in which:
4249 unique CDR3
13 unique J

TRBV5−5*ap01

1332 sequences assigned
1325 (99.5%) exact matches, in which:
1307 unique CDR3
13 unique J

TRBV5−8*ap01

1270 sequences assigned
1257 (99%) exact matches, in which:
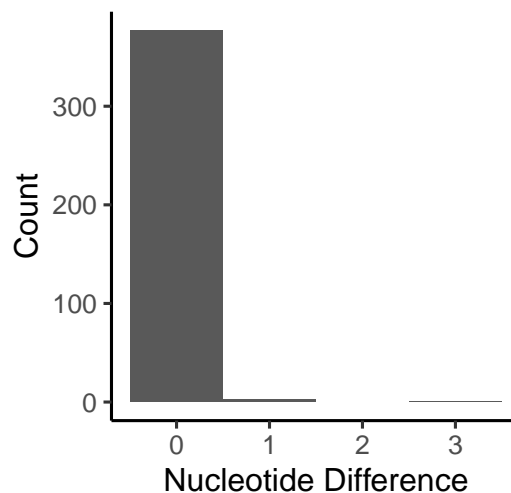1239 unique CDR3
13 unique J

TRBV6−7*ap01

242 sequences assigned
237 (97.9%) exact matches, in which:
229 unique CDR3
13 unique J

TRBV5−6*ap01

4982 sequences assigned
4908 (98.5%) exact matches, in which:
4720 unique CDR3
13 unique J

TRBV6−1*ap01

4348 sequences assigned
4158 (95.6%) exact matches, in which:
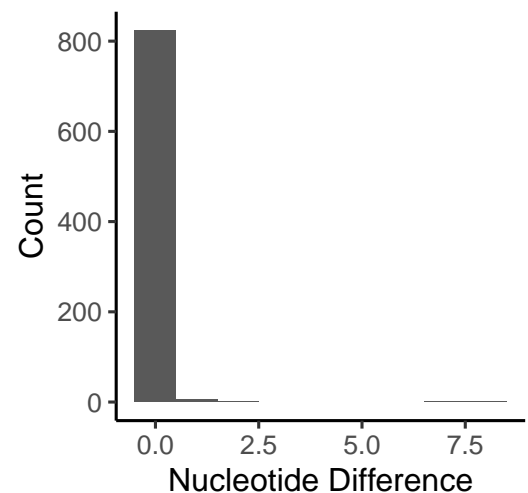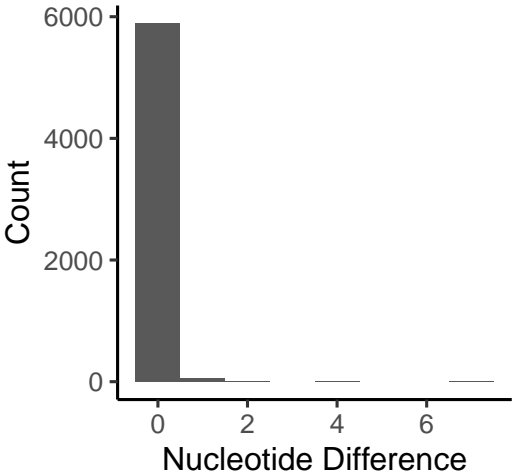4021 unique CDR3
13 unique J

TRBV6−8*ap01

114 sequences assigned
110 (96.5%) exact matches, in which:
107 unique CDR3
11 unique J

TRBV5−7*ap01

95 sequences assigned
92 (96.8%) exact matches, in which:
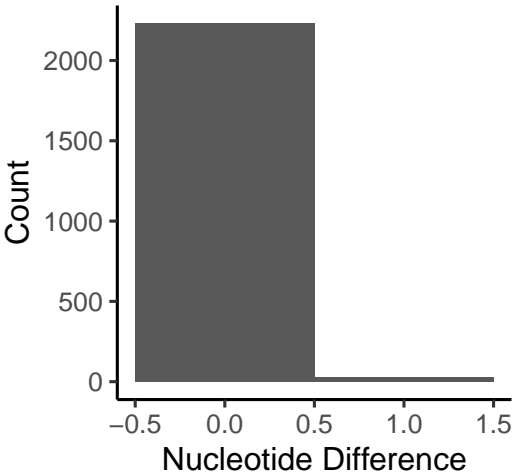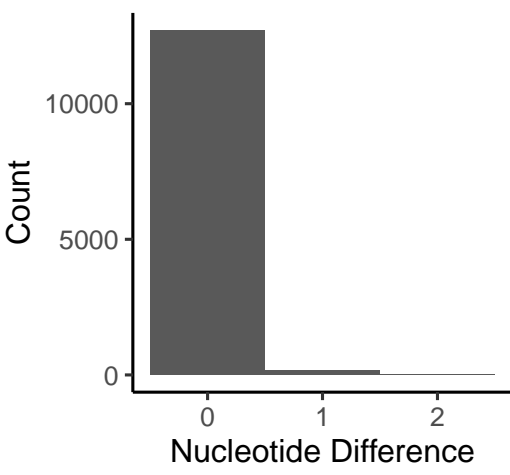89 unique CDR3
12 unique J

TRBV6−4*ap01

1936 sequences assigned
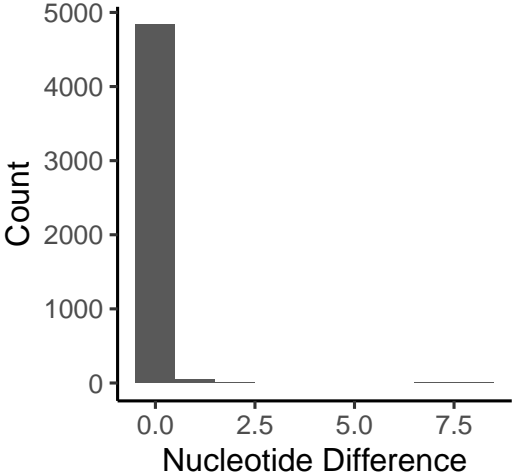1904 (98.3%) exact matches, in which:
1880 unique CDR3
13 unique J

TRBV6−9*ap01

151 sequences assigned
61 (40.4%) exact matches, in which:
61 unique CDR3
12 unique J

TRBV6−23*ap01

6070 sequences assigned
5999 (98.8%) exact matches, in which:
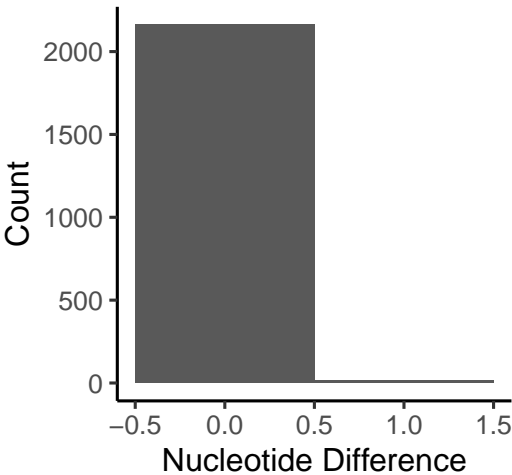5777 unique CDR3
13 unique J

TRBV7−1*ap01_T296C

95 sequences assigned
4 (4.2%) exact matches, in which:
4 unique CDR3
4 unique J

TRBV7−4*ap01

221 sequences assigned
206 (93.2%) exact matches, in which:
202 unique CDR3
13 unique J

TRBV6−56*ap01

6380 sequences assigned
6310 (98.9%) exact matches, in which:
6083 unique CDR3
13 unique J

TRBV7−2*ap01

5847 sequences assigned
5821 (99.6%) exact matches, in which:
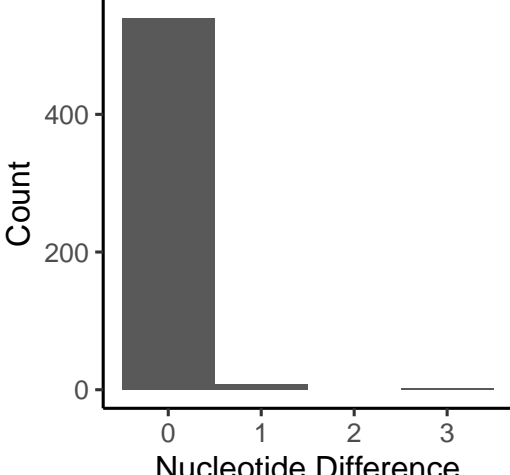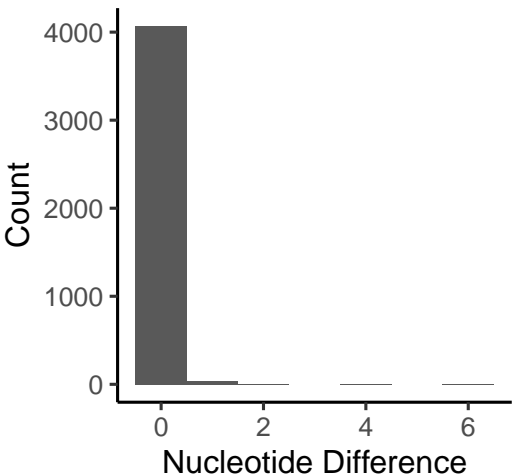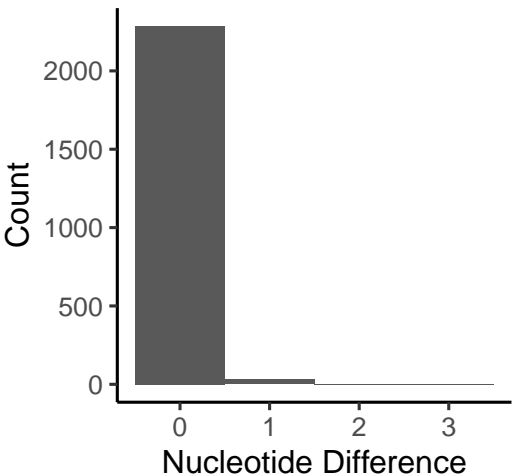5727 unique CDR3
13 unique J

TRBV7−6*ap01

2230 sequences assigned
2218 (99.5%) exact matches, in which:
2178 unique CDR3
13 unique J

TRBV6−56*ap02

2241 sequences assigned
2060 (91.9%) exact matches, in which:
1987 unique CDR3
13 unique J

TRBV7−3*ap01

4597 sequences assigned
4566 (99.3%) exact matches, in which:
4507 unique CDR3
13 unique J

TRBV7−7*ap01

384 sequences assigned
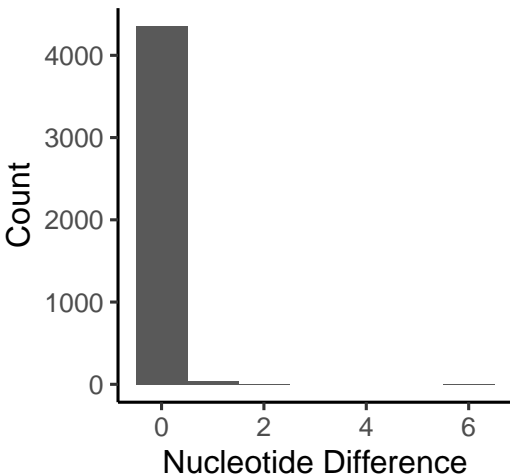383 (99.7%) exact matches, in which:
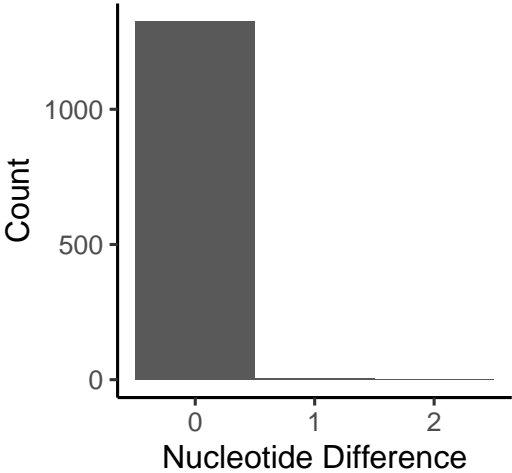374 unique CDR3
13 unique J

TRBV7−7*ap01_C315T

414 sequences assigned
410 (99%) exact matches, in which:
404 unique CDR3
13 unique J

TRBV7−9*ap01

8319 sequences assigned
8256 (99.2%) exact matches, in which:
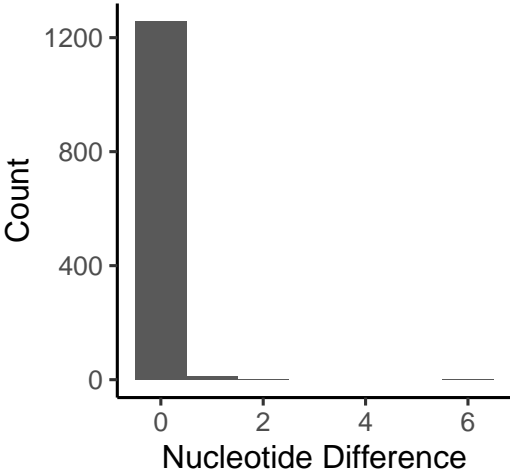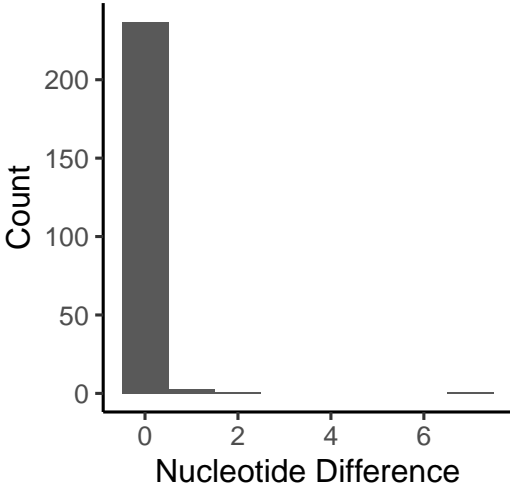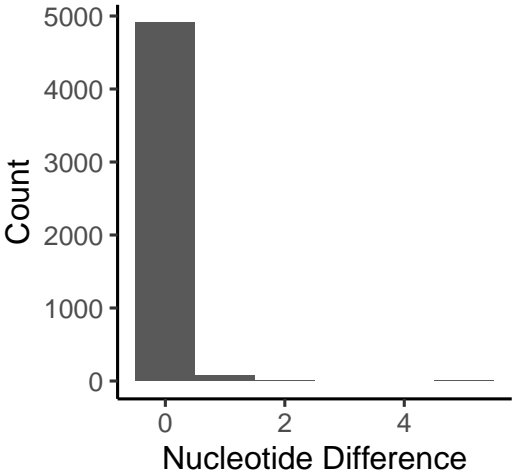8069 unique CDR3
13 unique J

TRBV7−8*ap01

1915 sequences assigned
1891 (98.7%) exact matches, in which:
1853 unique CDR3
13 unique J

TRBV29−1*ap01

5439 sequences assigned
5360 (98.5%) exact matches, in which:
5194 unique CDR3
13 unique J

TRBV7−8*ap03

869 sequences assigned
653 (75.1%) exact matches, in which:
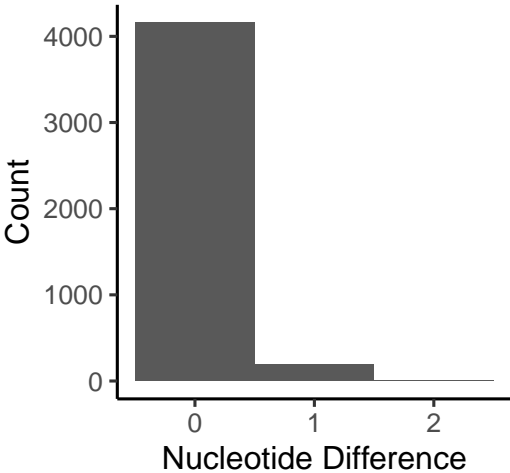642 unique CDR3
13 unique J

TRBV29−1*ap02

1020 sequences assigned
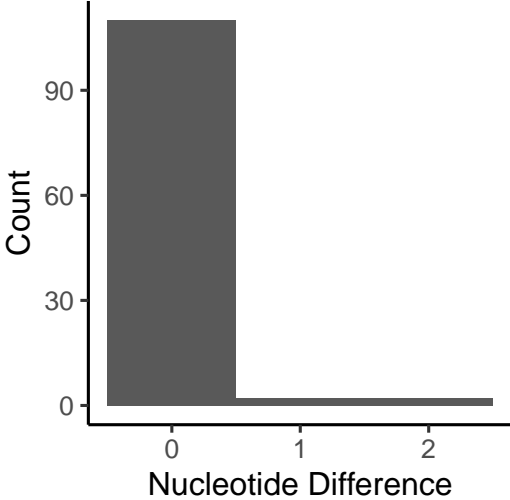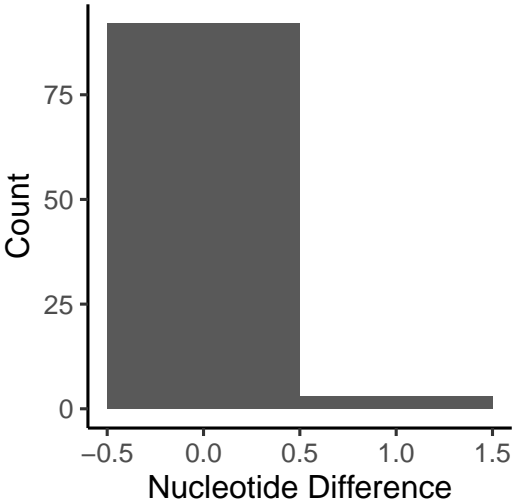1002 (98.2%) exact matches, in which:
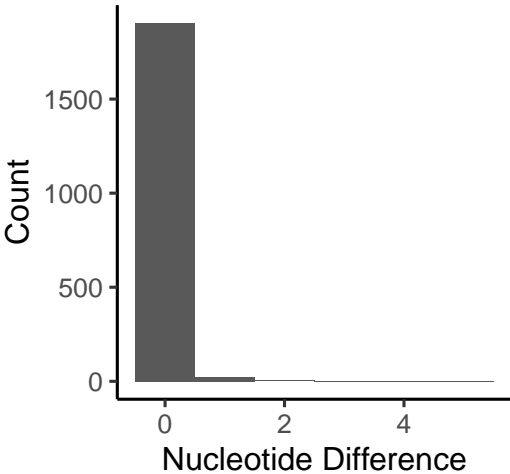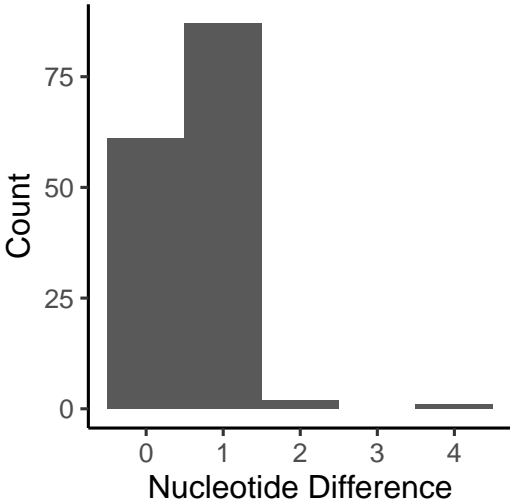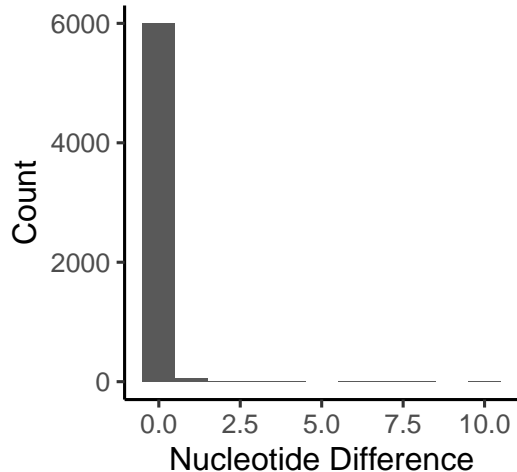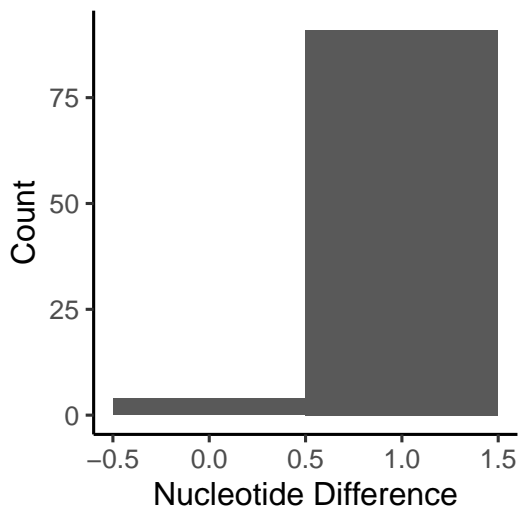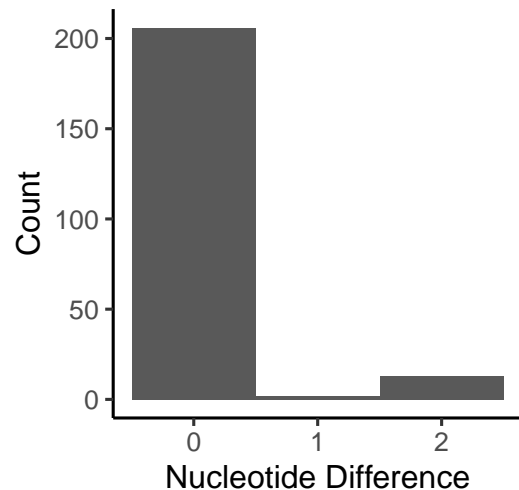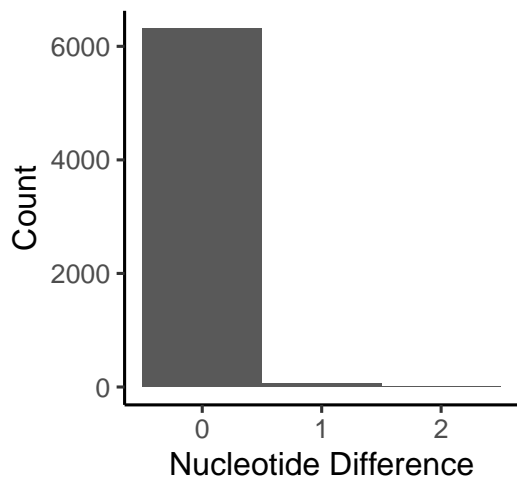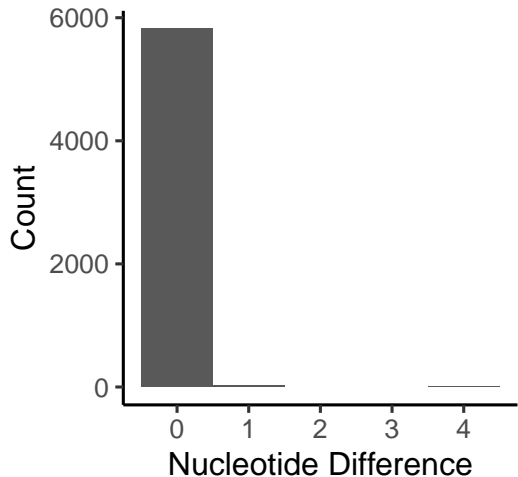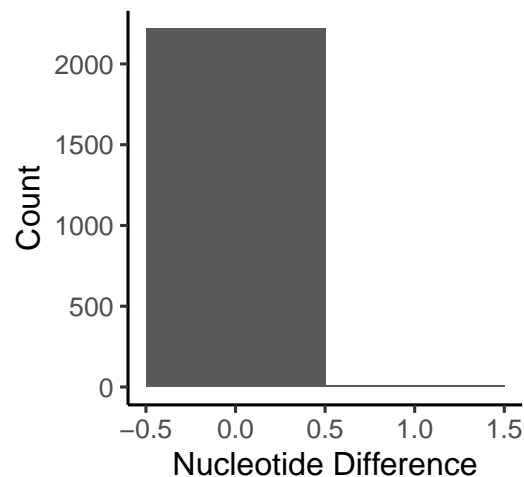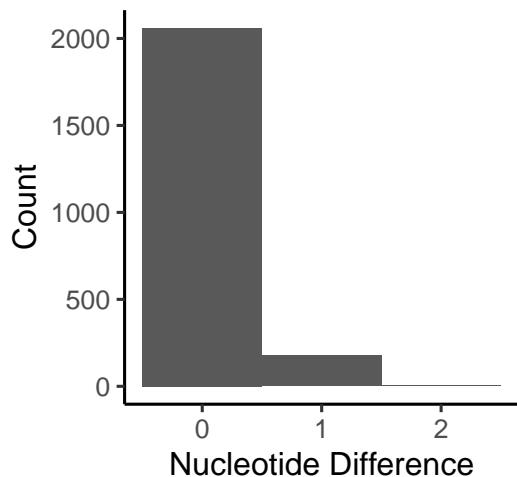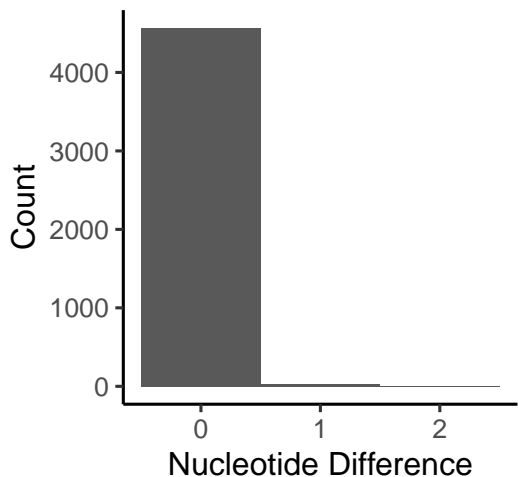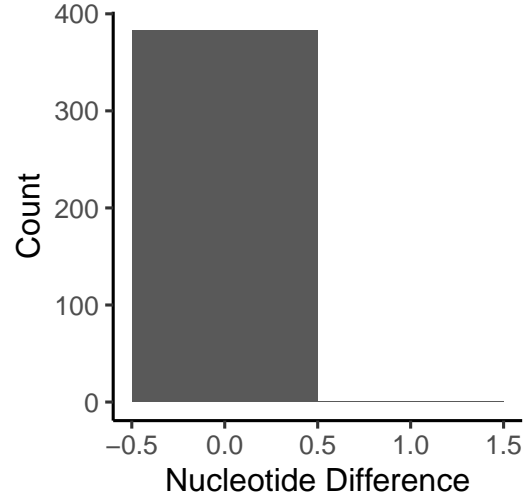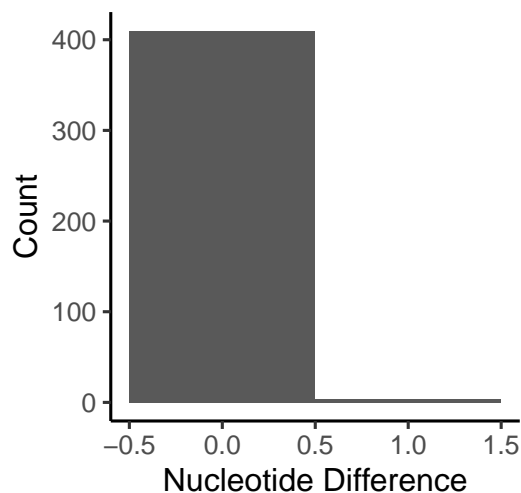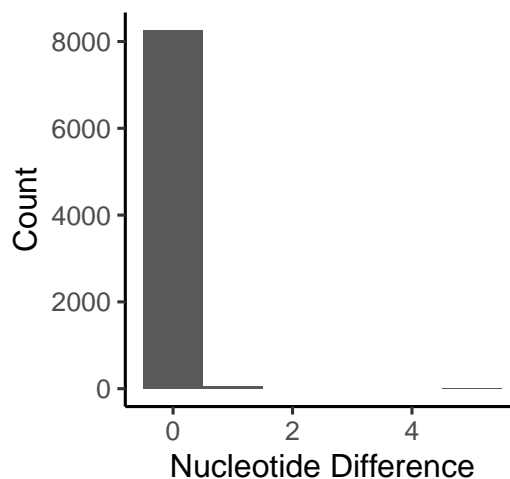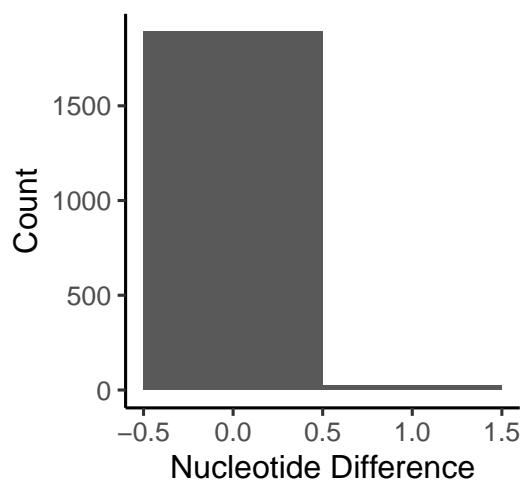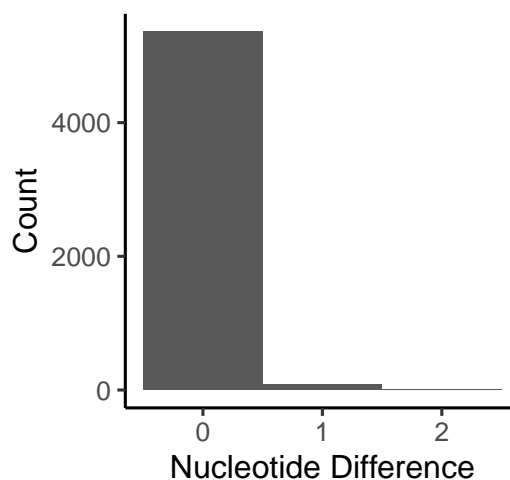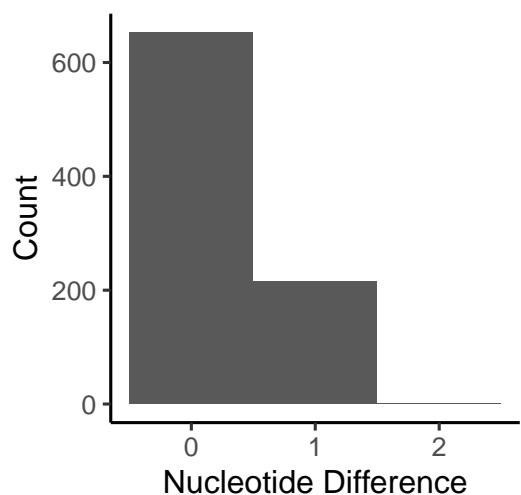978 unique CDR3
13 unique J

TRBV7−1*ap01_T296C

CDR3 AA Length (unmutated)

TRBV7−7*ap01_C315T

CDR3 AA Length (unmutated)

Allele Usage

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