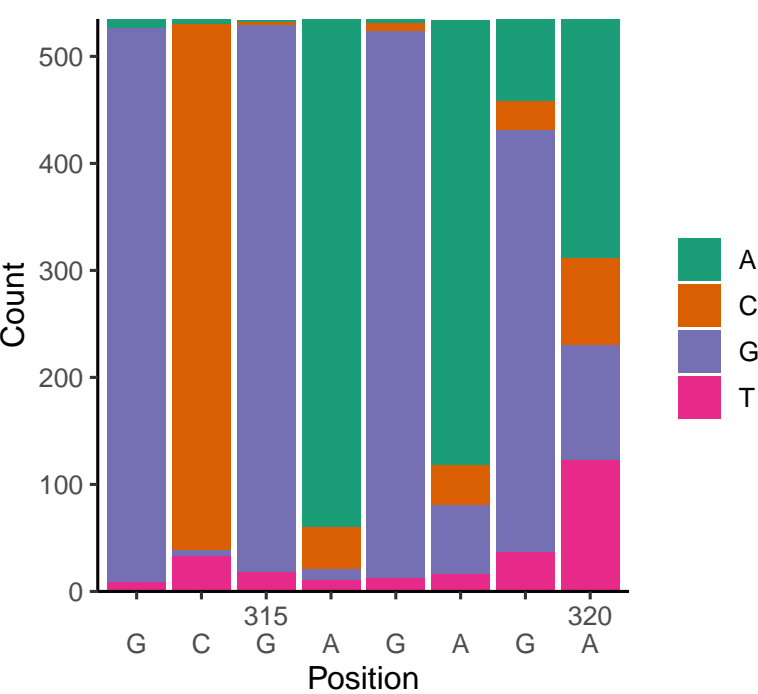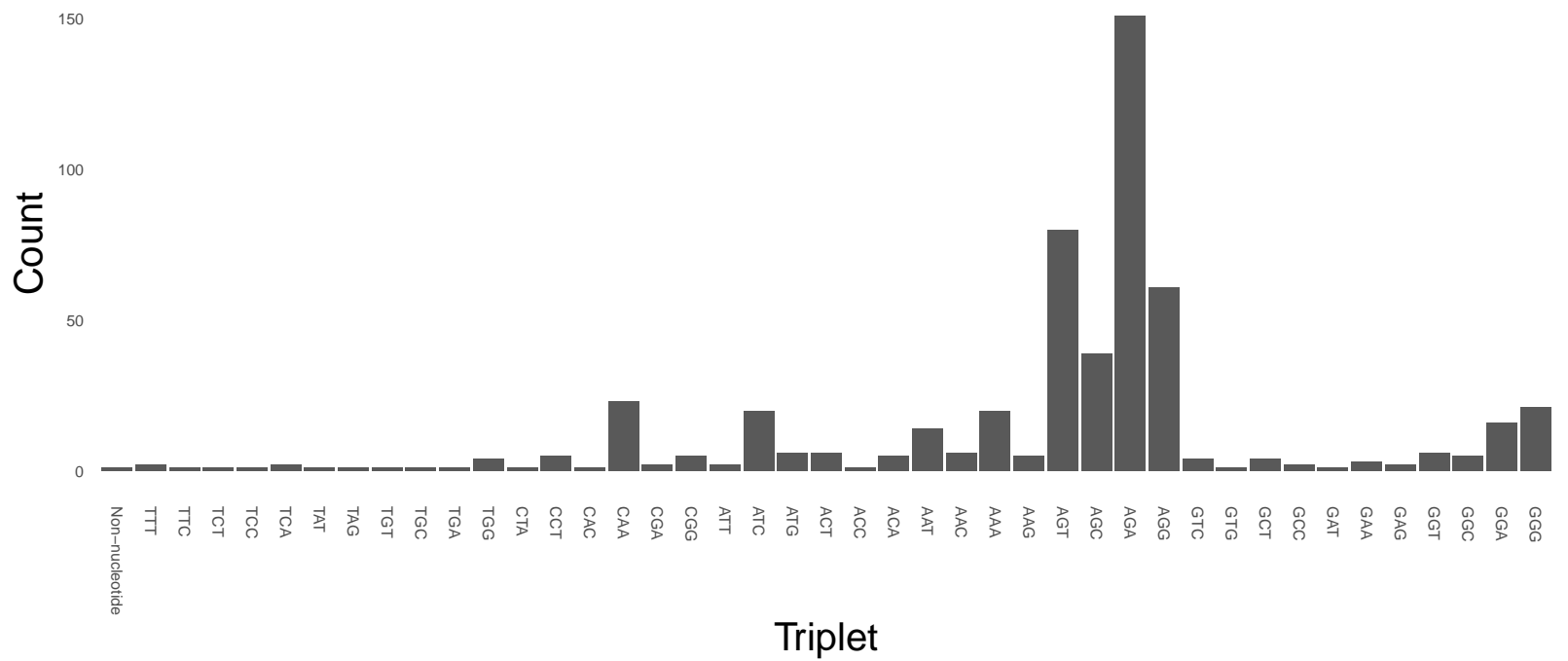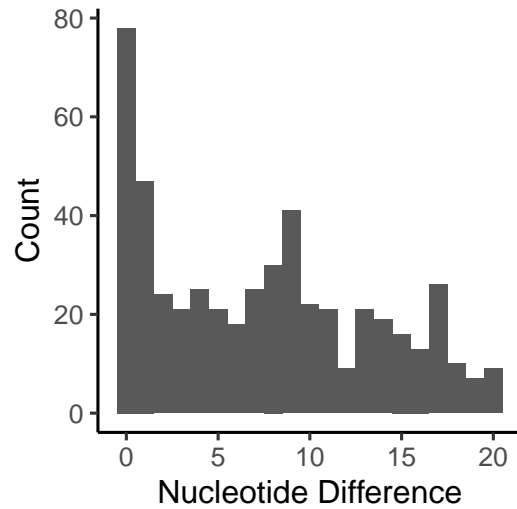Gene IGHV4−38−2*02_A70G

Gene IGHV4−38−2*02_A70G

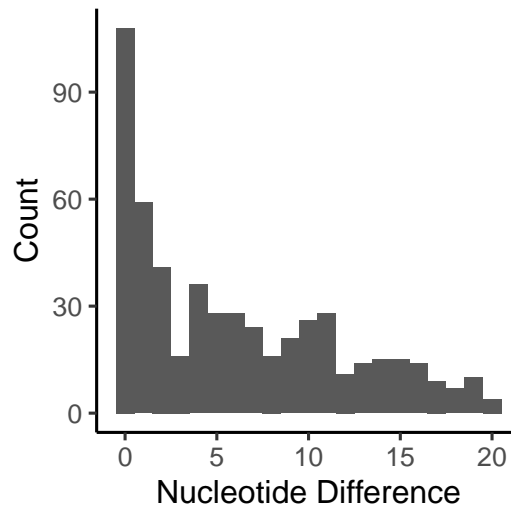IGHV4−38−2*02_A70G− Final 3 nucleotides as a triplet

IGHV1−2*02

639 sequences assigned
78 (12.2%) exact matches, in which:
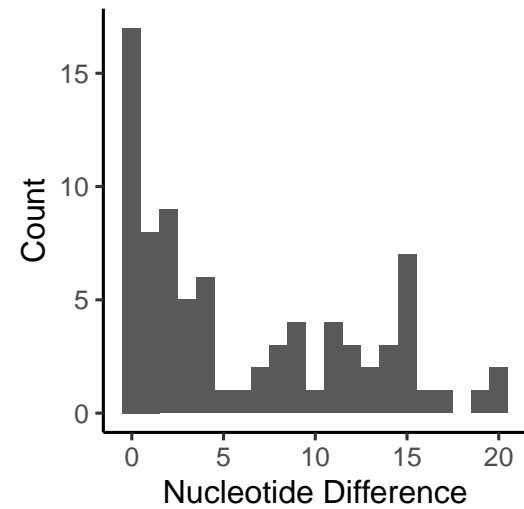70 unique CDR3
4 unique J

IGHV1−8*01

621 sequences assigned
108 (17.4%) exact matches, in which:
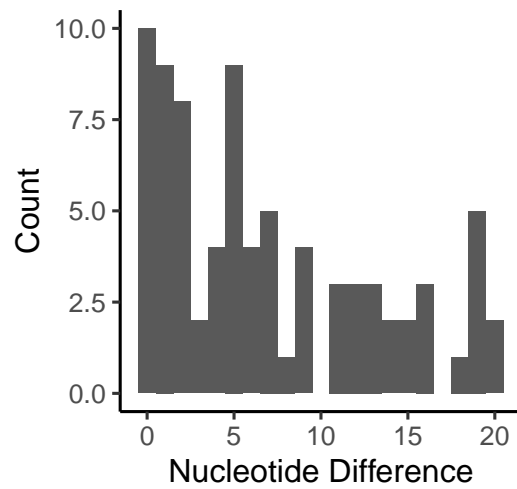100 unique CDR3
6 unique J

IGHV1−24*01

92 sequences assigned
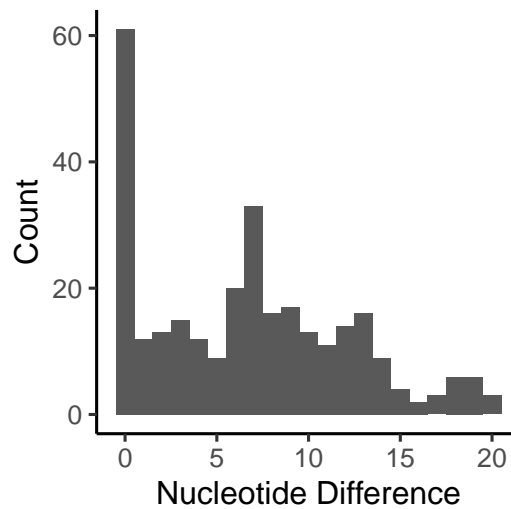17 (18.5%) exact matches, in which:
15 unique CDR3
3 unique J

IGHV1−2*04

90 sequences assigned
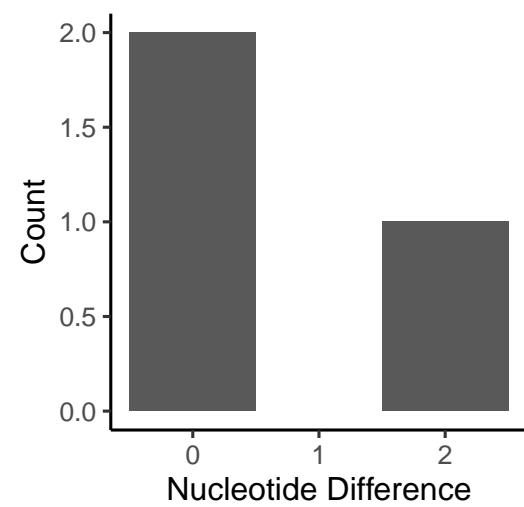10 (11.1%) exact matches, in which:
10 unique CDR3
4 unique J

IGHV1−18*01

382 sequences assigned
61 (16%) exact matches, in which:
61 unique CDR3
5 unique J

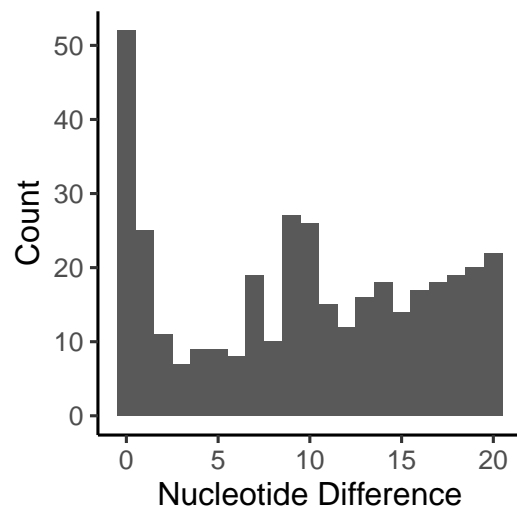## IGHV1−45*02

4 sequences assigned
2 (50%) exact matches, in which:
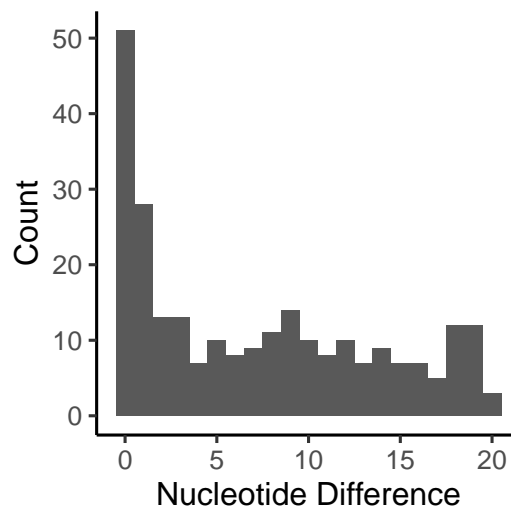2 unique CDR3
2 unique J

IGHV1−3*01

504 sequences assigned
52 (10.3%) exact matches, in which:
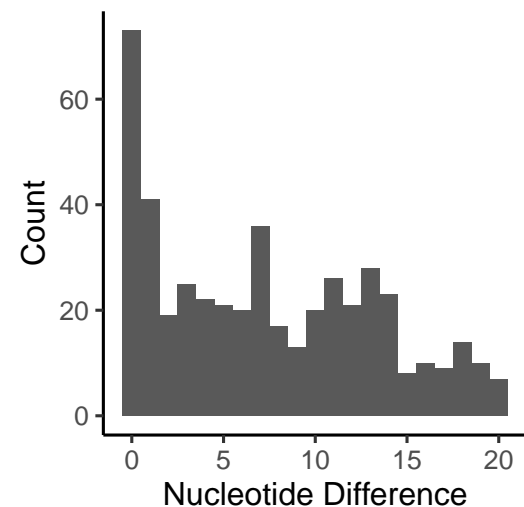45 unique CDR3
5 unique J

IGHV1−18*04

337 sequences assigned
51 (15.1%) exact matches, in which:
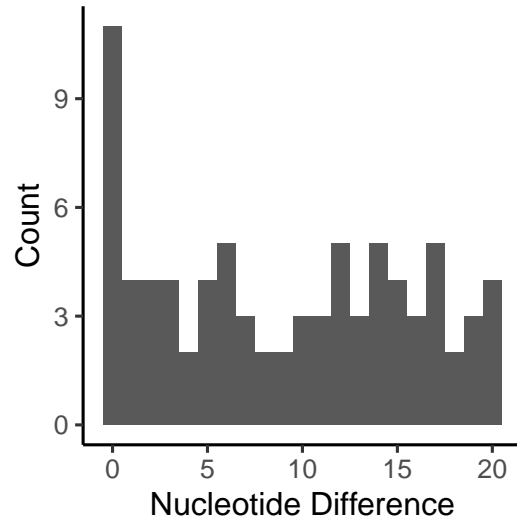49 unique CDR3
5 unique J

IGHV1−46*01

595 sequences assigned
73 (12.3%) exact matches, in which:
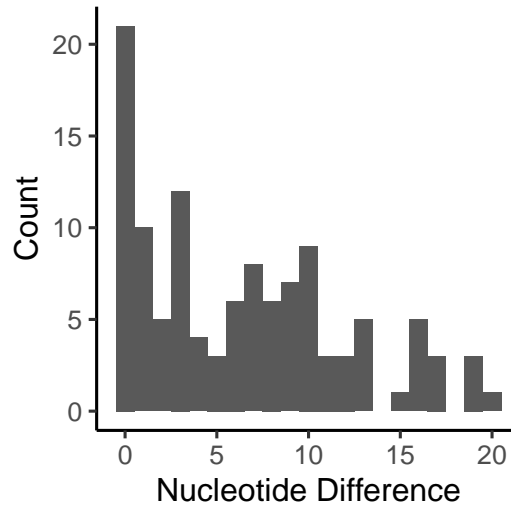62 unique CDR3
5 unique J

IGHV1-58*01

92 sequences assigned
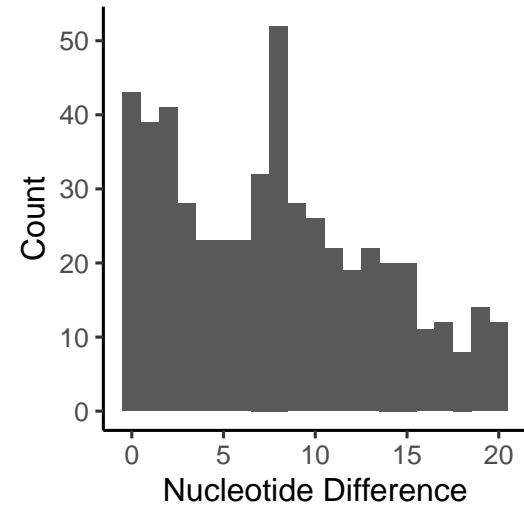11 (12%) exact matches, in which:
10 unique CDR3
3 unique J

IGHV2-70*01

122 sequences assigned
21 (17.2%) exact matches, in which:
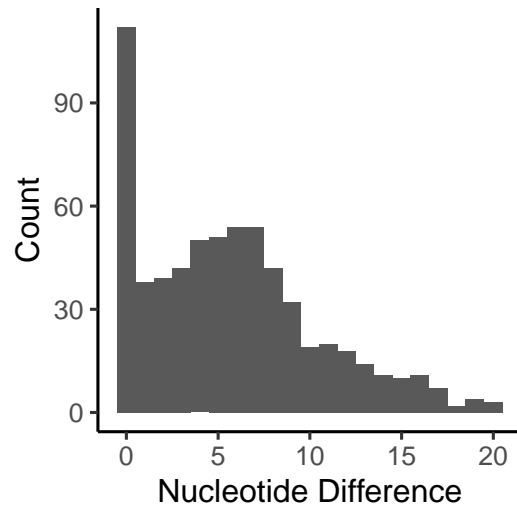21 unique CDR3
4 unique J

IGHV3-11*01

651 sequences assigned
43 (6.6%) exact matches, in which:
36 unique CDR3
5 unique J

IGHV2-5*01

652 sequences assigned
112 (17.2%) exact matches, in which:
105 unique CDR3
5 unique J

IGHV3-7*01

1625 sequences assigned
43 (2.6%) exact matches, in which:
43 unique CDR3
4 unique J

IGHV3-13*01

179 sequences assigned
12 (6.7%) exact matches, in which:
12 unique CDR3
3 unique J

IGHV2-26*01

165 sequences assigned
46 (27.9%) exact matches, in which:
43 unique CDR3
5 unique J

IGHV3-9*01

1236 sequences assigned
116 (9.4%) exact matches, in which:
109 unique CDR3
5 unique J

IGHV3-15*01

1337 sequences assigned
77 (5.8%) exact matches, in which:
75 unique CDR3
5 unique J

IGHV3-20*01

47 sequences assigned
5 (10.6%) exact matches, in which:
5 unique CDR3
3 unique J

IGHV3-30-3*03

43 sequences assigned
No exact matches.

IGHV3-48*01

435 sequences assigned
53 (12.2%) exact matches, in which:
47 unique CDR3
6 unique J

IGHV3-20*04

15 sequences assigned
No exact matches.

IGHV3-33*01

1013 sequences assigned
57 (5.6%) exact matches, in which:
55 unique CDR3
5 unique J

IGHV3-48*03

1067 sequences assigned
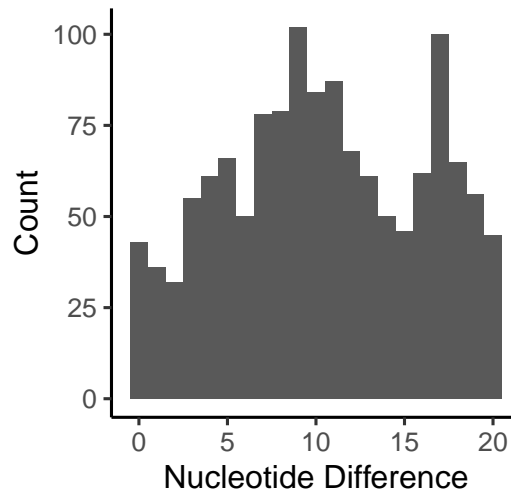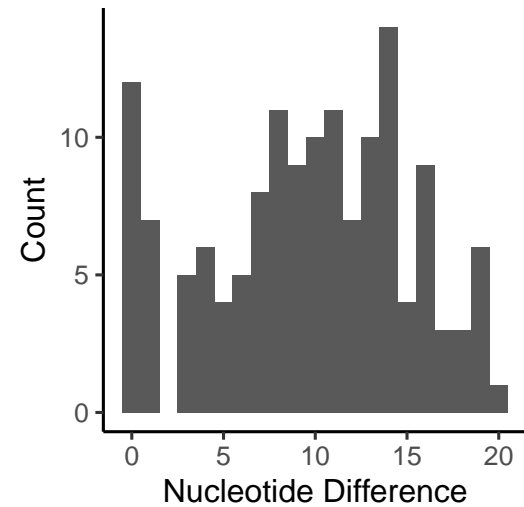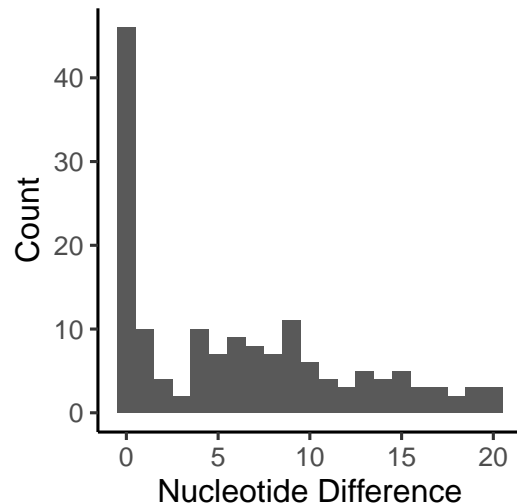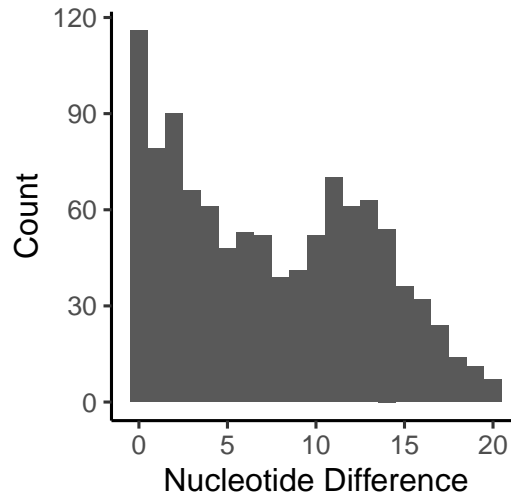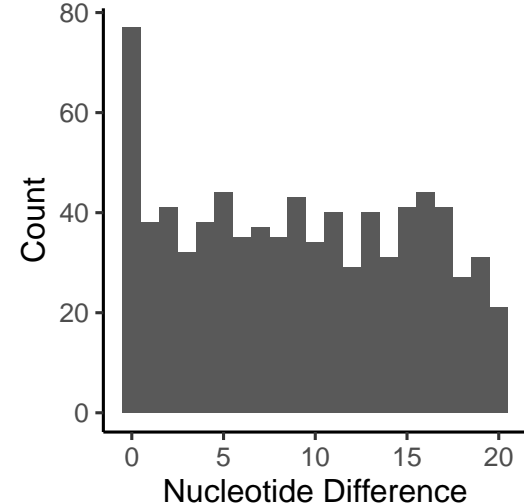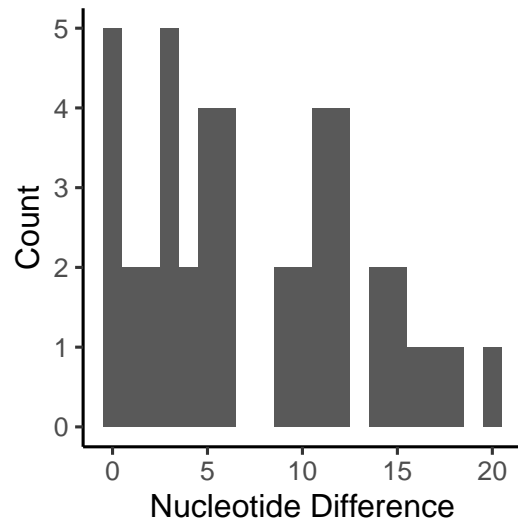61 (5.7%) exact matches, in which:
60 unique CDR3
5 unique J

IGHV3-21*01

1228 sequences assigned
179 (14.6%) exact matches, in which:
169 unique CDR3
5 unique J

IGHV3-43*01

43 sequences assigned
1 (2.3%) exact matches, in which:
1 unique CDR3
1 unique J

IGHV3-49*03

219 sequences assigned
7 (3.2%) exact matches, in which:
6 unique CDR3
2 unique J

IGHV3-49*04

264 sequences assigned
18 (6.8%) exact matches, in which:
17 unique CDR3
2 unique J

IGHV3-64*02

14 sequences assigned
1 (7.1%) exact matches, in which:
1 unique CDR3
1 unique J

IGHV3-73*02

239 sequences assigned
12 (5%) exact matches, in which:
12 unique CDR3
4 unique J

IGHV3-53*01

362 sequences assigned
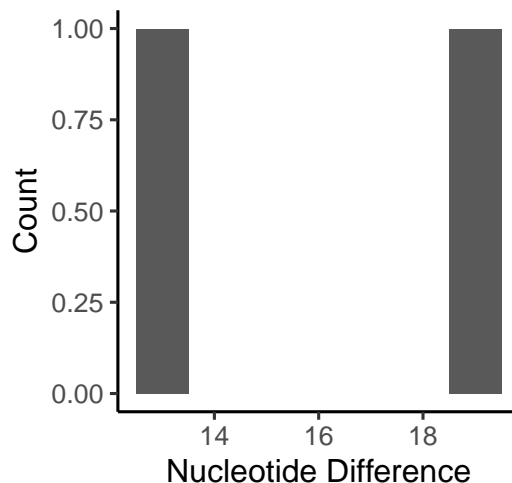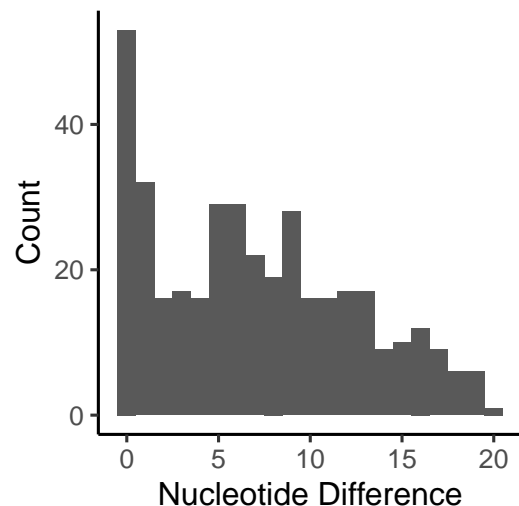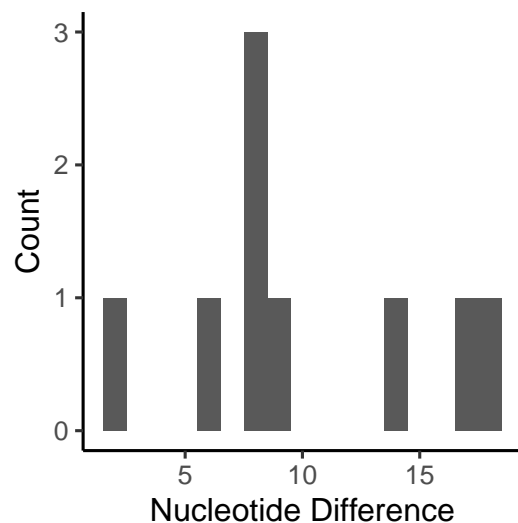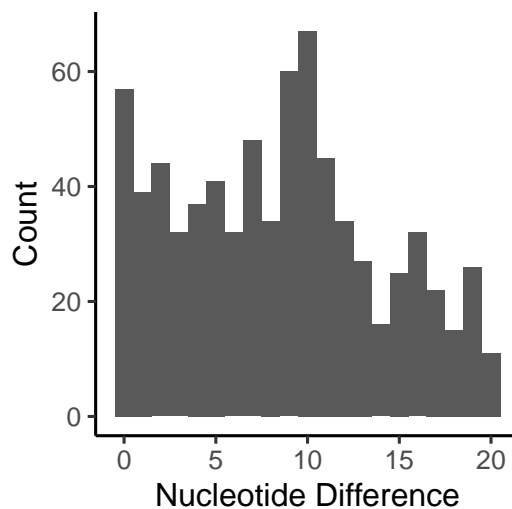31 (8.6%) exact matches, in which:
28 unique CDR3
5 unique J

IGHV3-66*03

1 sequences assigned
No exact matches.

IGHV3-74*01

684 sequences assigned
26 (3.8%) exact matches, in which:
25 unique CDR3
5 unique J

IGHV3-53*02

202 sequences assigned
25 (12.4%) exact matches, in which:
23 unique CDR3
5 unique J

IGHV3-72*01

189 sequences assigned
5 (2.6%) exact matches, in which:
5 unique CDR3
4 unique J

IGHV3-43D*04

53 sequences assigned
2 (3.8%) exact matches, in which:
2 unique CDR3
2 unique J

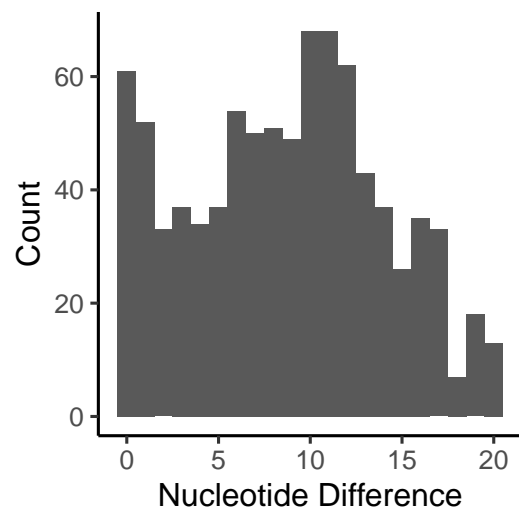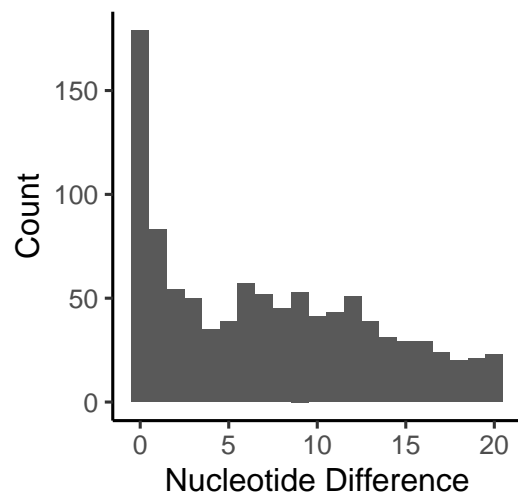**IGHV3−NL1*01**

1 sequences assigned
No exact matches.

IGHV4−28*01

11 sequences assigned
1 (9.1%) exact matches, in which:
1 unique CDR3
1 unique J

IGHV4−38−2*02_A70G

535 sequences assigned
49 (9.2%) exact matches, in which:
46 unique CDR3
5 unique J
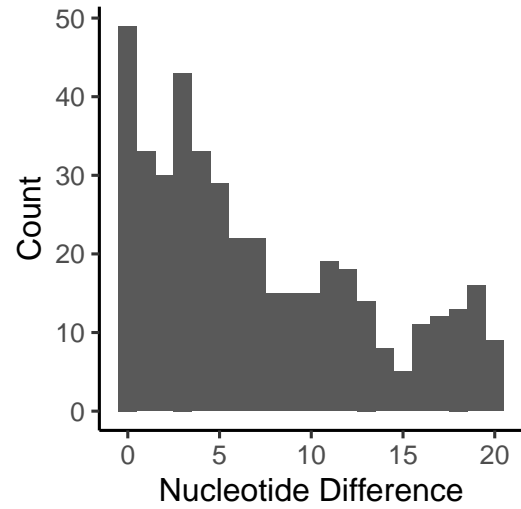
IGHV4−4*02

391 sequences assigned
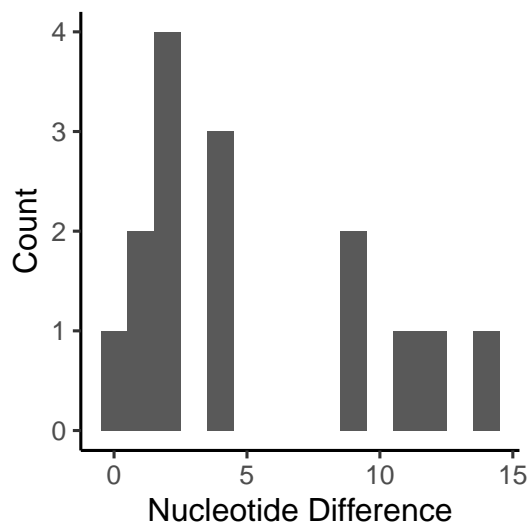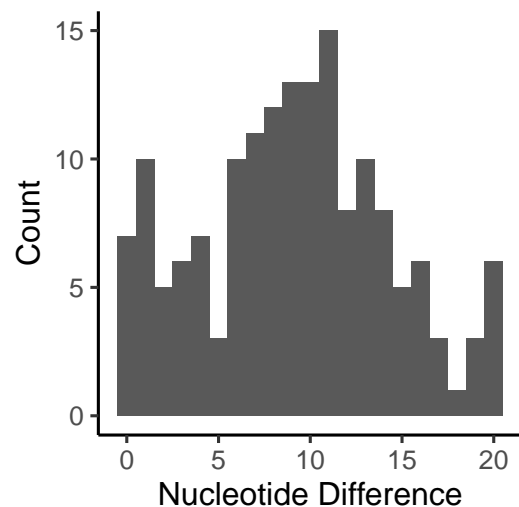73 (18.7%) exact matches, in which:
69 unique CDR3
5 unique J

IGHV4−31*03

773 sequences assigned
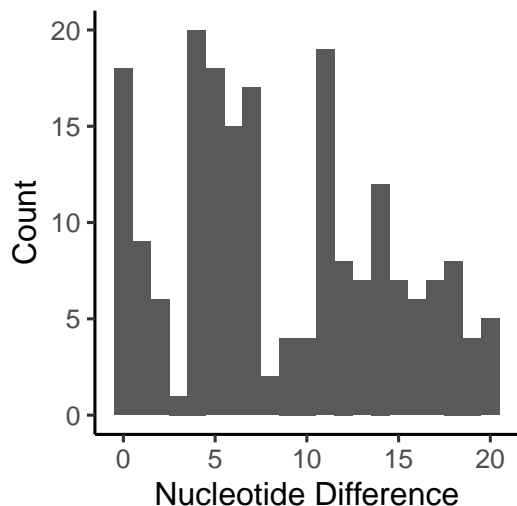93 (12%) exact matches, in which:
88 unique CDR3
6 unique J

IGHV4−39*01

1631 sequences assigned
132 (8.1%) exact matches, in which:
121 unique CDR3
6 unique J

IGHV4−4*07

322 sequences assigned
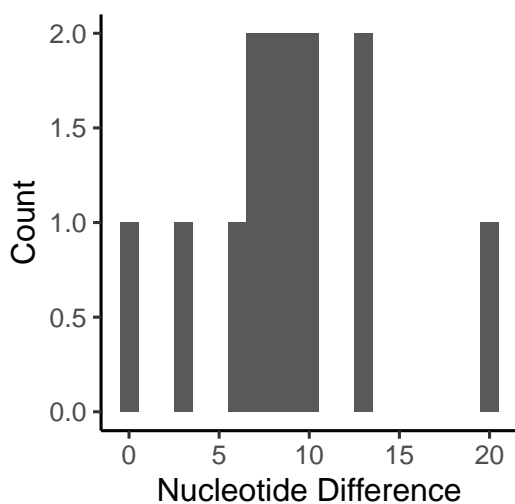48 (14.9%) exact matches, in which:
45 unique CDR3
6 unique J

IGHV4−34*01

2245 sequences assigned
545 (24.3%) exact matches, in which:
512 unique CDR3
6 unique J

IGHV4−59*01

49331 sequences assigned
124 (0.3%) exact matches, in which:
111 unique CDR3
6 unique J

IGHV4−61*01

340 sequences assigned
35 (10.3%) exact matches, in which:
32 unique CDR3
6 unique J

IGHV7−4−1*01

1 sequences assigned
No exact matches.

IGHV5−51*01

1174 sequences assigned
124 (10.6%) exact matches, in which:
115 unique CDR3
6 unique J

IGHV6−1*01

285 sequences assigned
15 (5.3%) exact matches, in which:
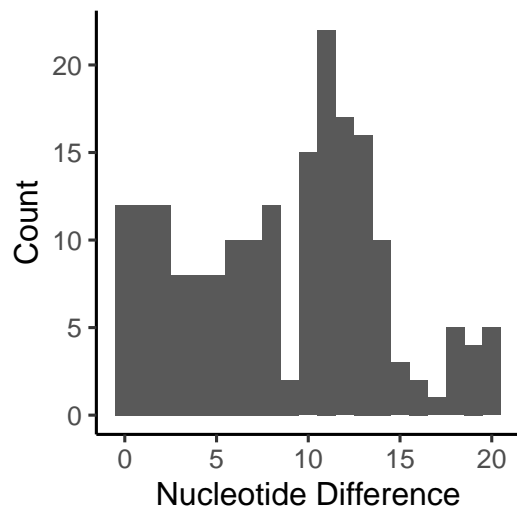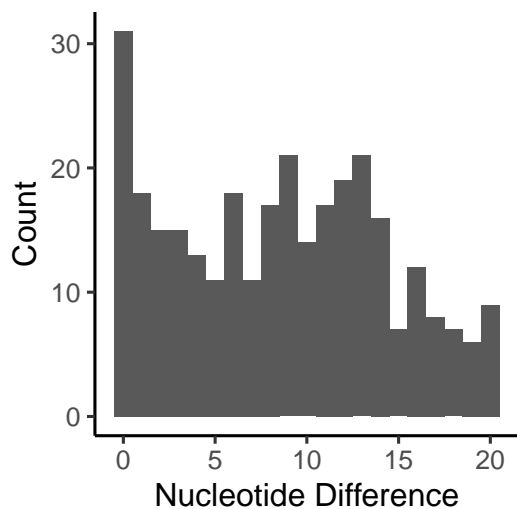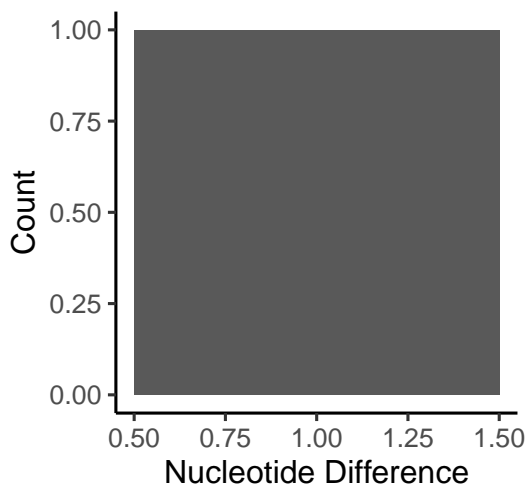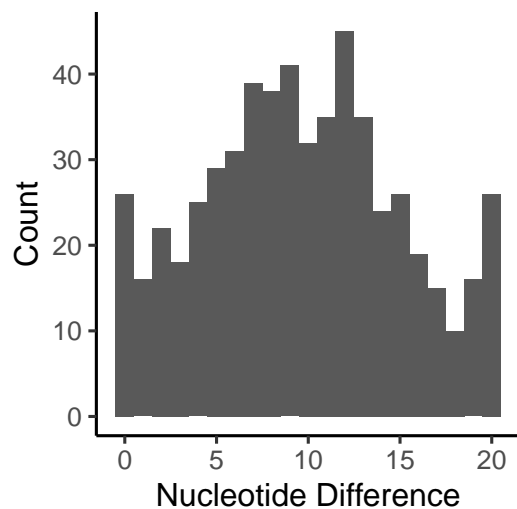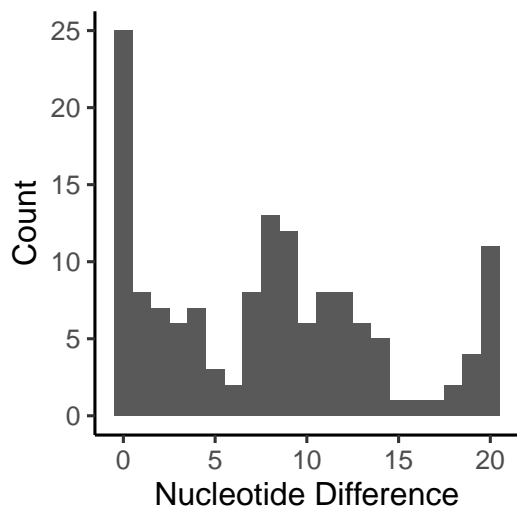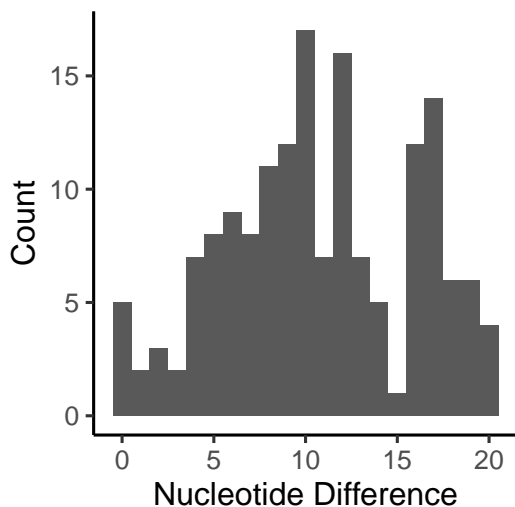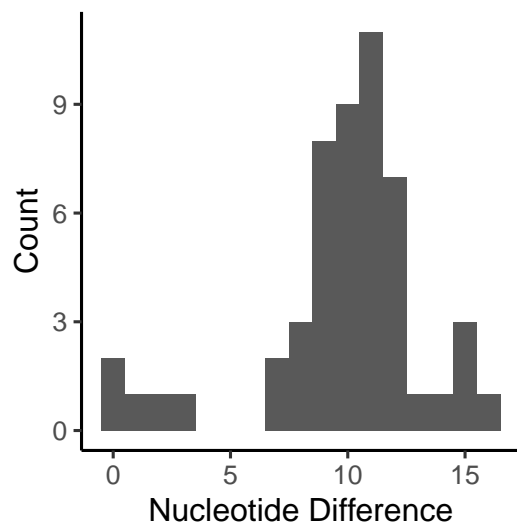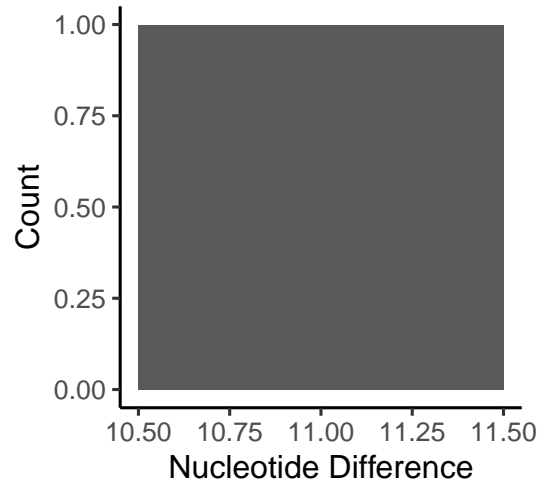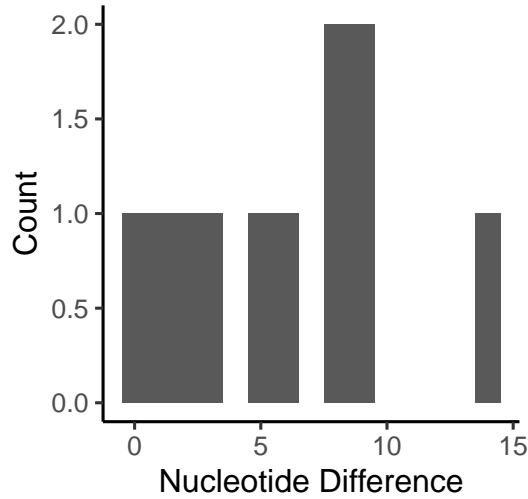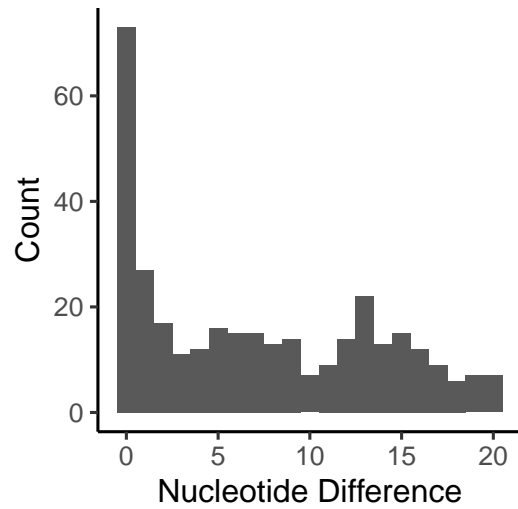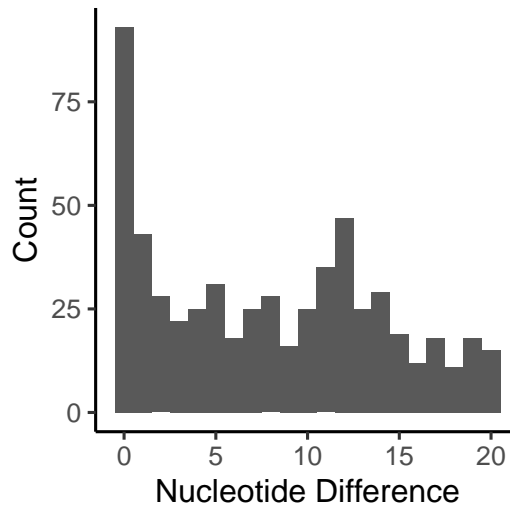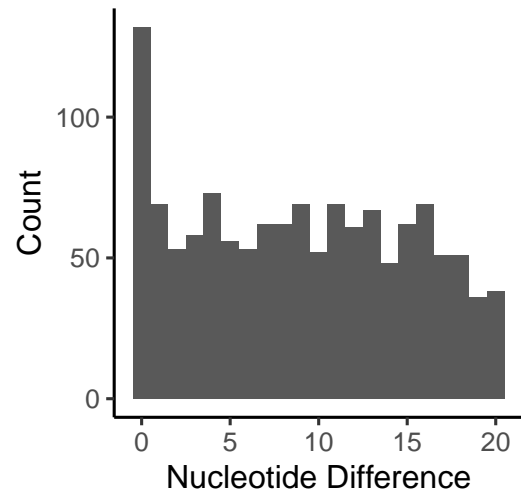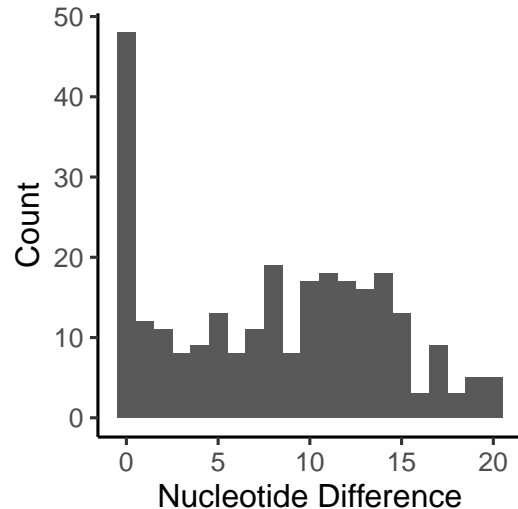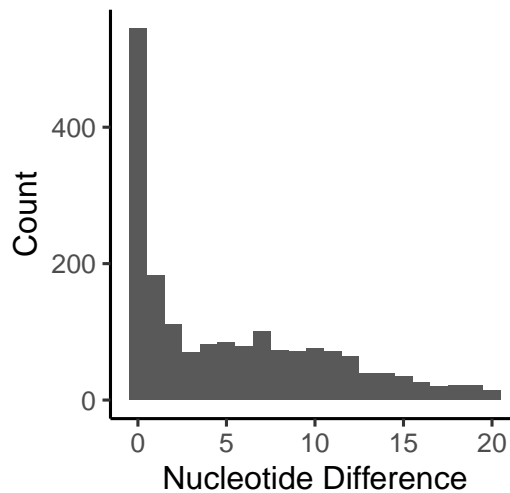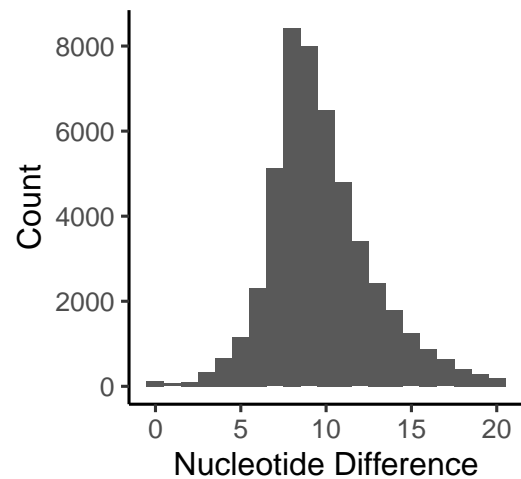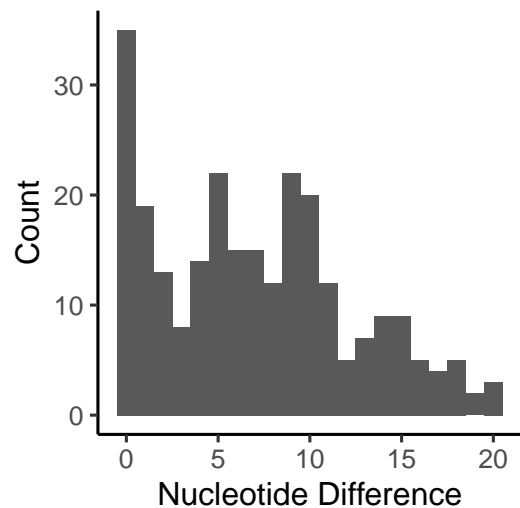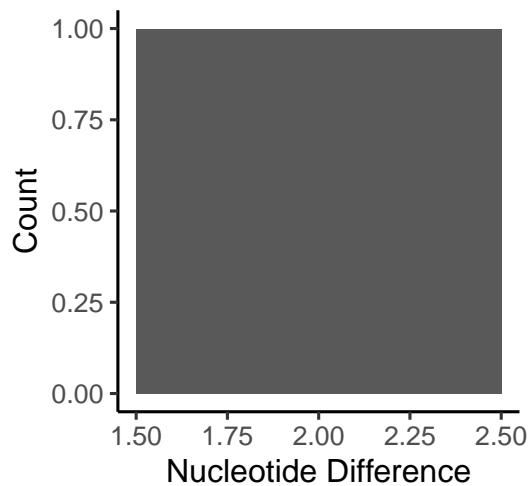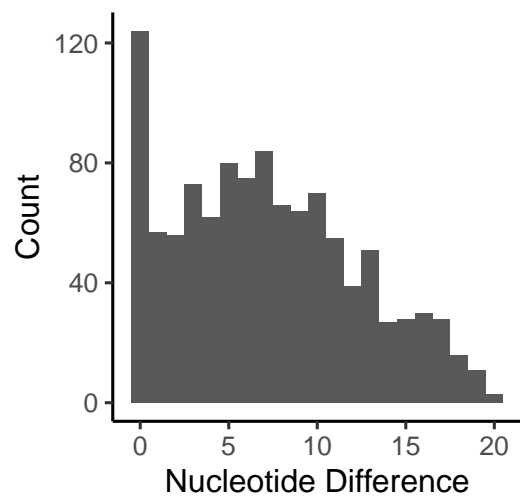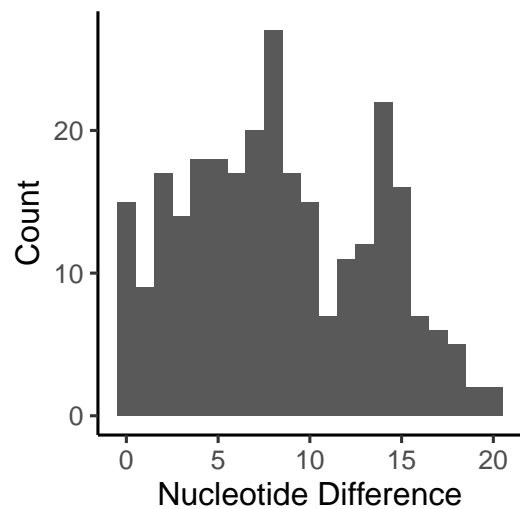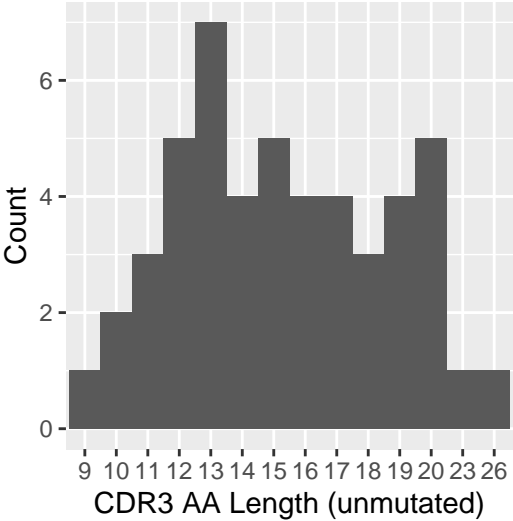12 unique CDR3
3 unique J

IGHV4−38−2*02_A70G

Count

CDR3 AA Length (unmutated)

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