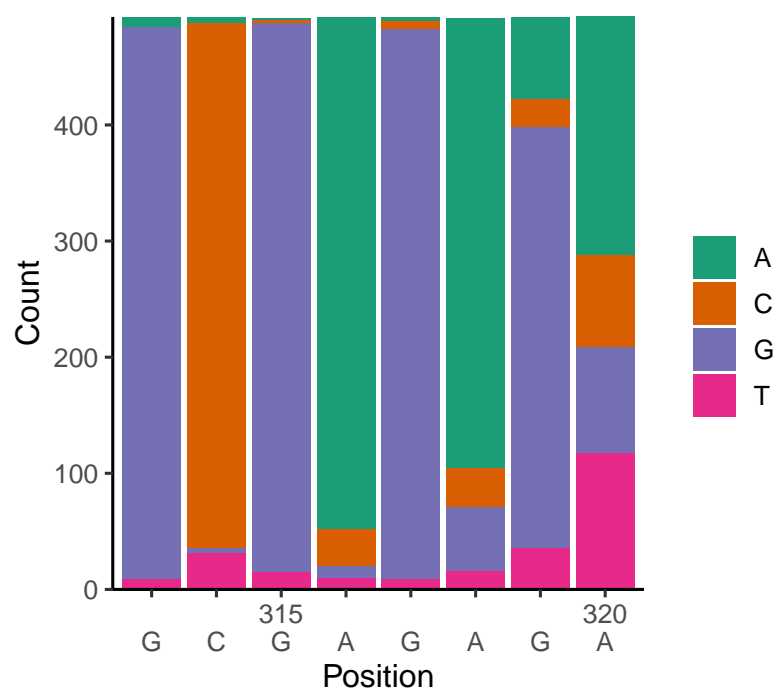
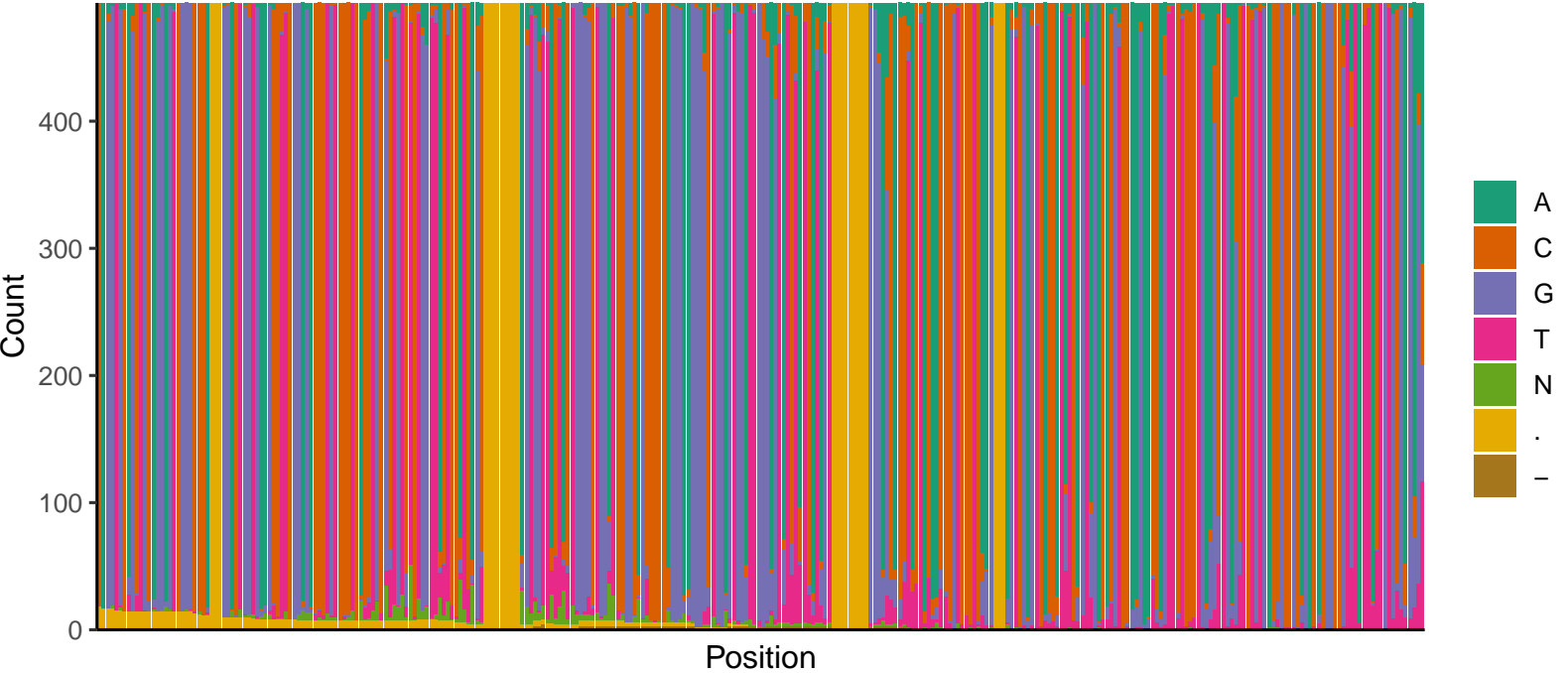


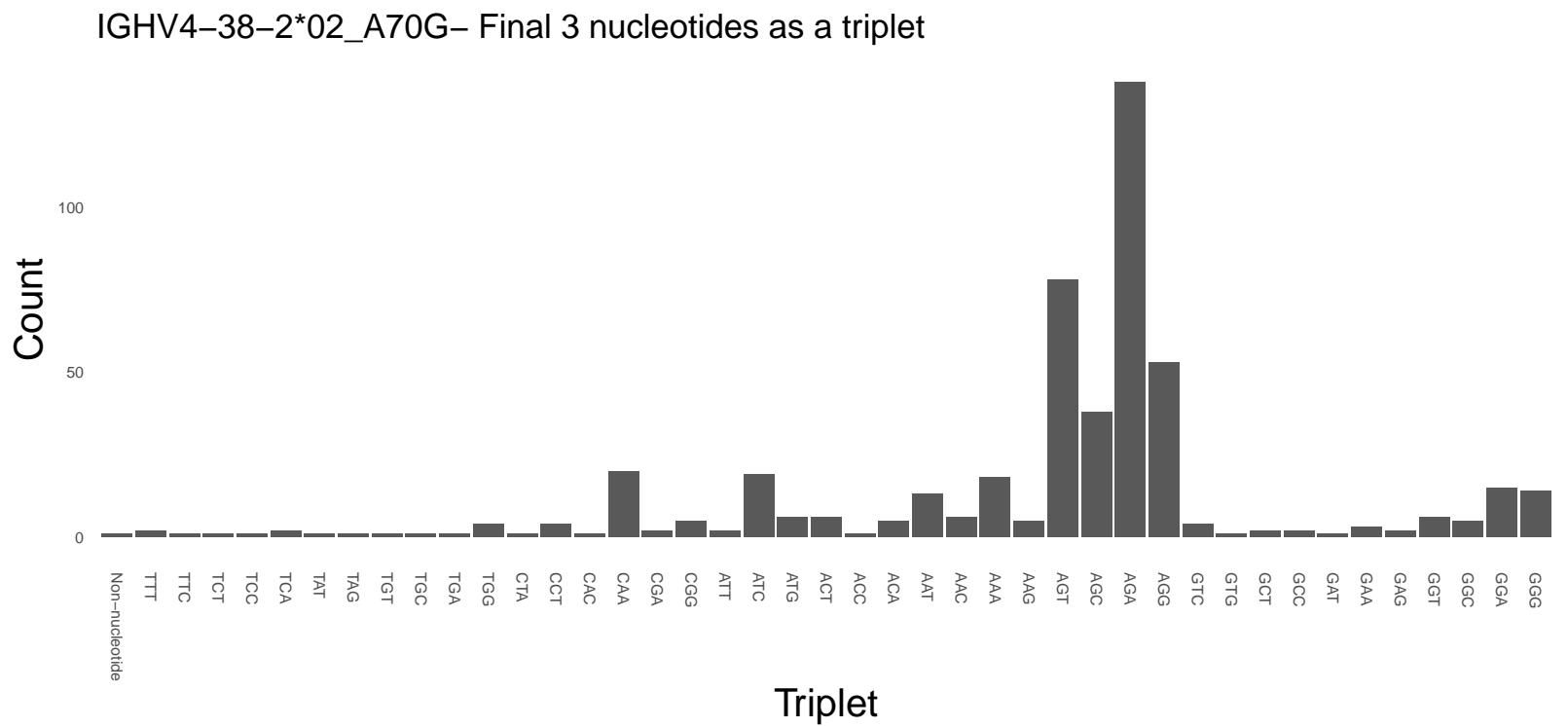
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

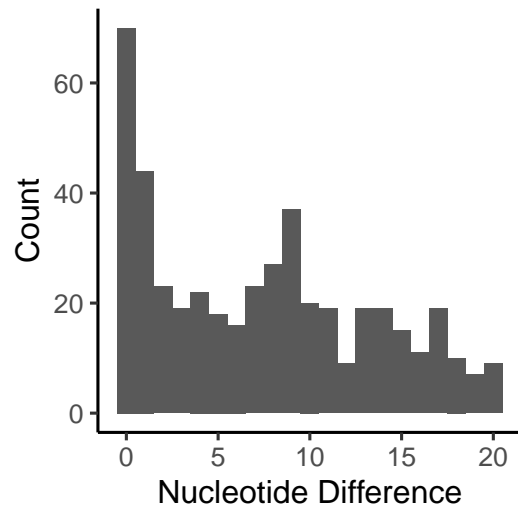


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



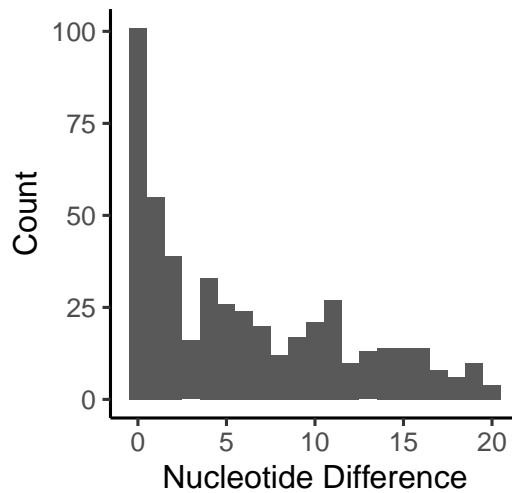
IGHV1-2*02

580 sequences assigned
70 (12.1%) exact matches, in which:
70 unique CDR3
4 unique J



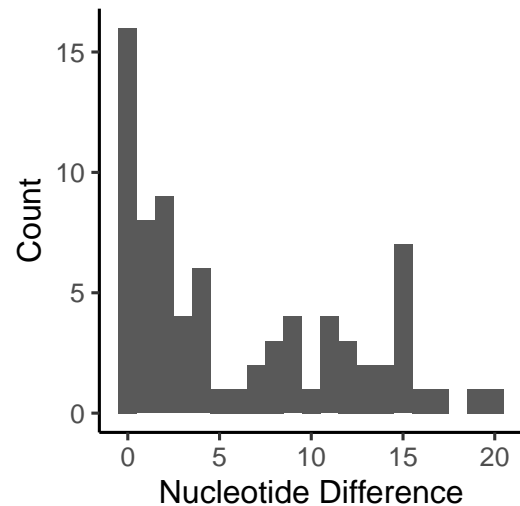
IGHV1-8*01

566 sequences assigned
101 (17.8%) exact matches, in which:
100 unique CDR3
6 unique J



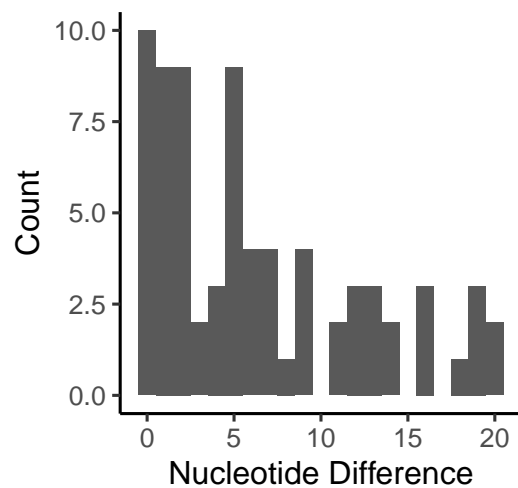
IGHV1-24*01

88 sequences assigned
16 (18.2%) exact matches, in which:
15 unique CDR3
3 unique J



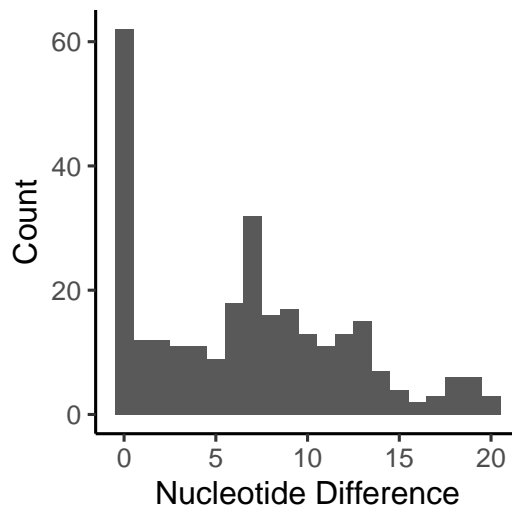
IGHV1-2*04

84 sequences assigned
10 (11.9%) exact matches, in which:
10 unique CDR3
4 unique J



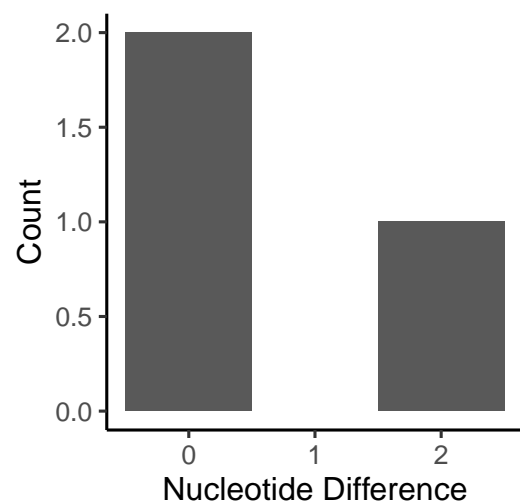
IGHV1-18*01

356 sequences assigned
62 (17.4%) exact matches, in which:
62 unique CDR3
5 unique J



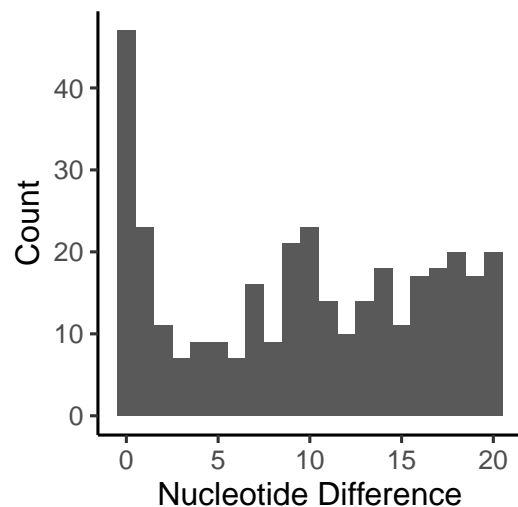
IGHV1-45*02

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



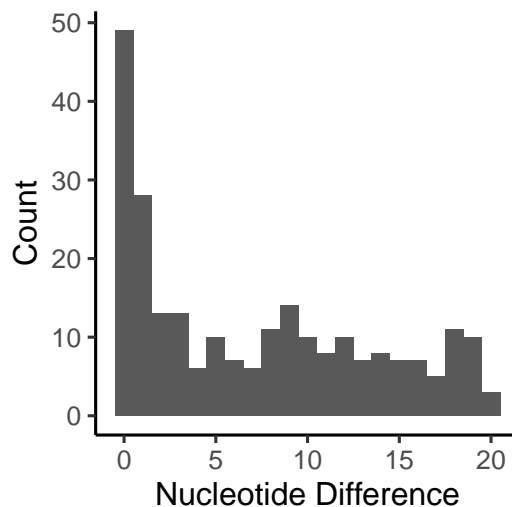
IGHV1-3*01

447 sequences assigned
47 (10.5%) exact matches, in which:
45 unique CDR3
5 unique J



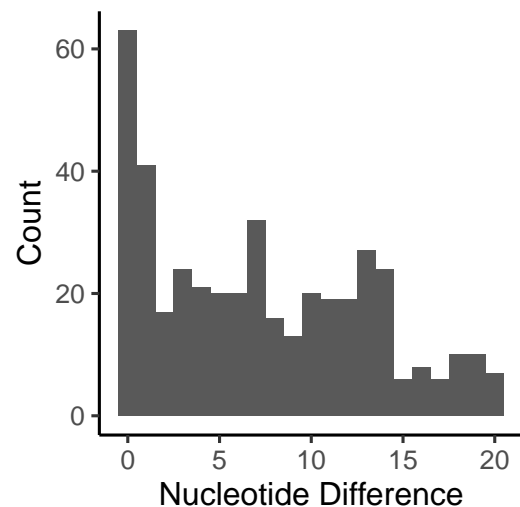
IGHV1-18*04

315 sequences assigned
49 (15.6%) exact matches, in which:
49 unique CDR3
5 unique J



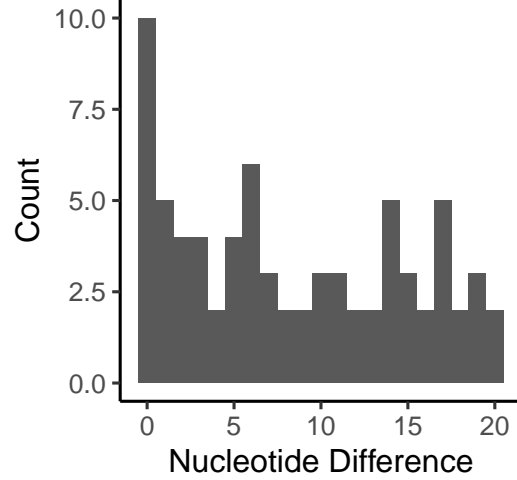
IGHV1-46*01

540 sequences assigned
63 (11.7%) exact matches, in which:
62 unique CDR3
5 unique J



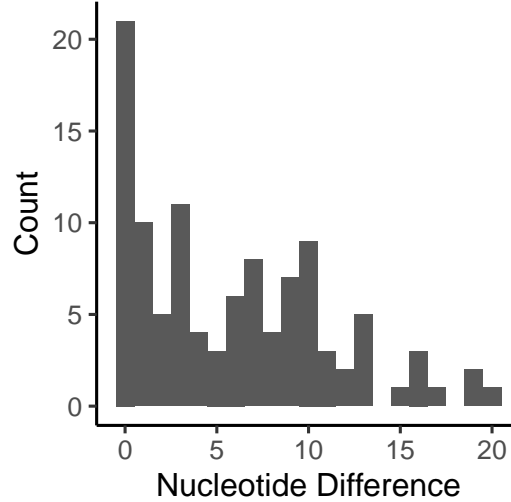
IGHV1-58*01

85 sequences assigned
10 (11.8%) exact matches, in which:
10 unique CDR3
3 unique J



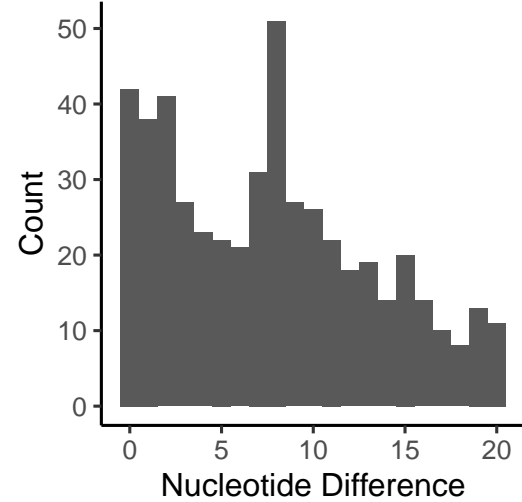
IGHV2-70*01

113 sequences assigned
21 (18.6%) exact matches, in which:
21 unique CDR3
4 unique J



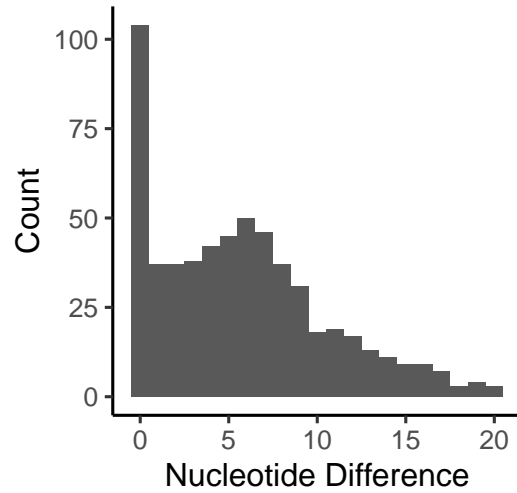
IGHV3-11*01

625 sequences assigned
42 (6.7%) exact matches, in which:
36 unique CDR3
5 unique J



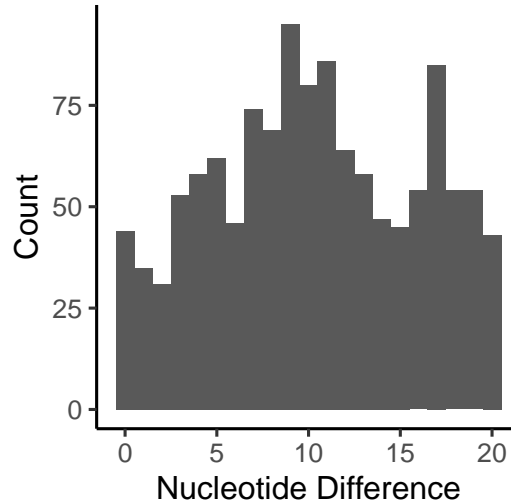
IGHV2-5*01

597 sequences assigned
104 (17.4%) exact matches, in which:
104 unique CDR3
5 unique J



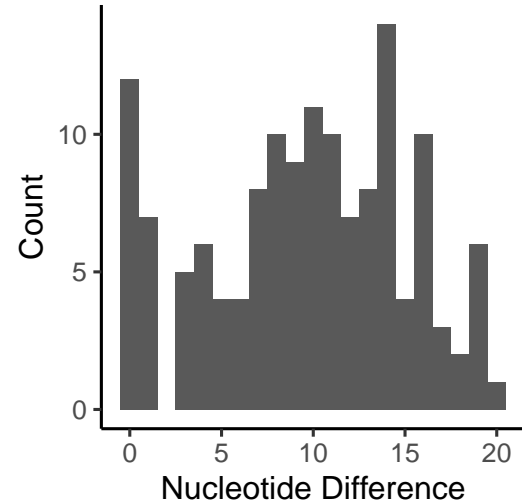
IGHV3-7*01

1503 sequences assigned
44 (2.9%) exact matches, in which:
44 unique CDR3
4 unique J



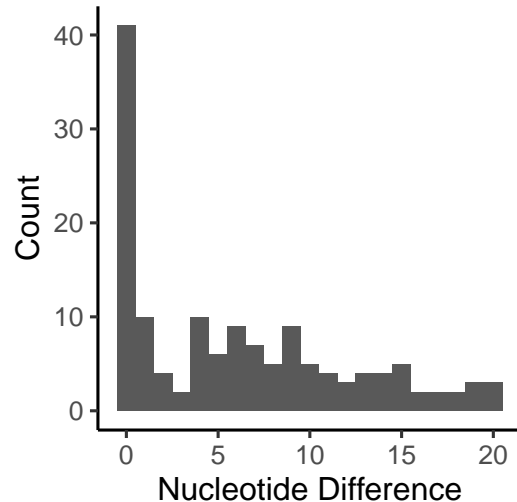
IGHV3-13*01

172 sequences assigned
12 (7%) exact matches, in which:
12 unique CDR3
3 unique J



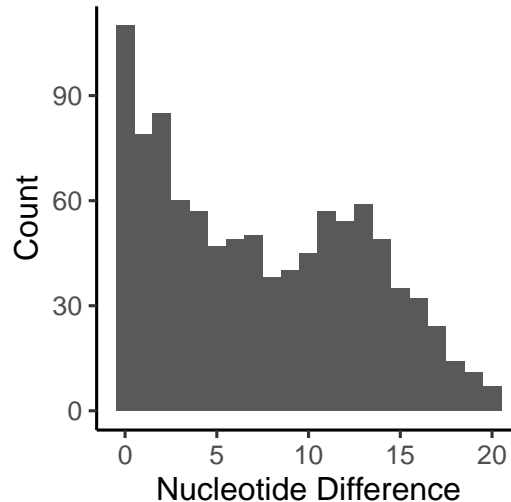
IGHV2-26*01

150 sequences assigned
41 (27.3%) exact matches, in which:
41 unique CDR3
5 unique J



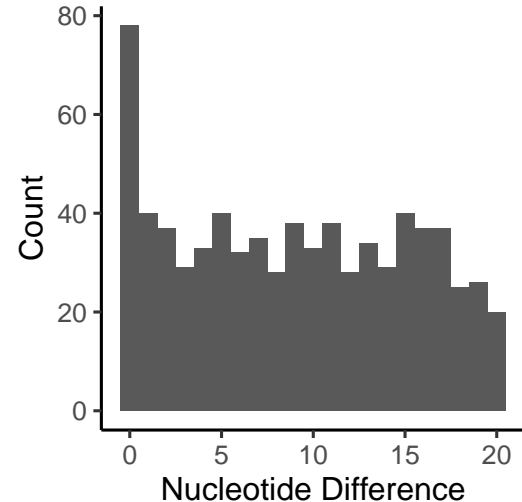
IGHV3-9*01

1156 sequences assigned
110 (9.5%) exact matches, in which:
108 unique CDR3
5 unique J



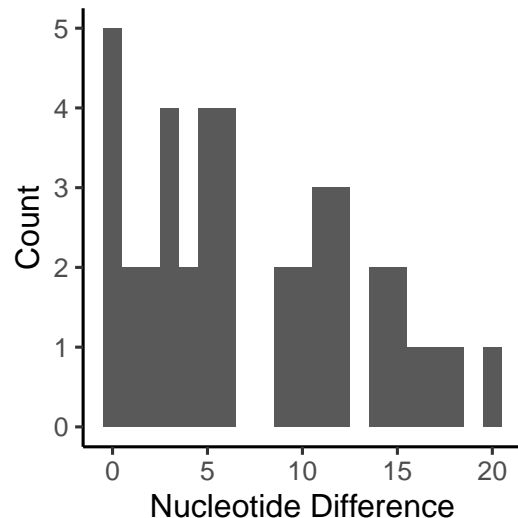
IGHV3-15*01

1216 sequences assigned
78 (6.4%) exact matches, in which:
78 unique CDR3
5 unique J



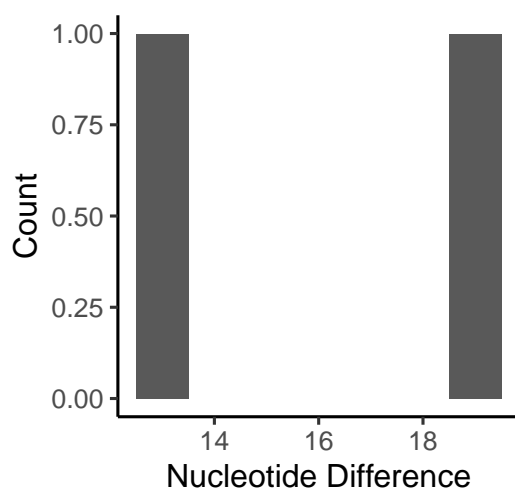
IGHV3-20*01

44 sequences assigned
5 (11.4%) exact matches, in which:
5 unique CDR3
3 unique J



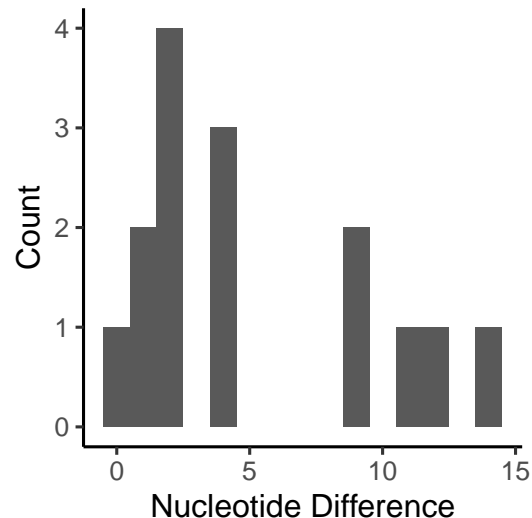
IGHV3-30-3*03

38 sequences assigned
No exact matches.



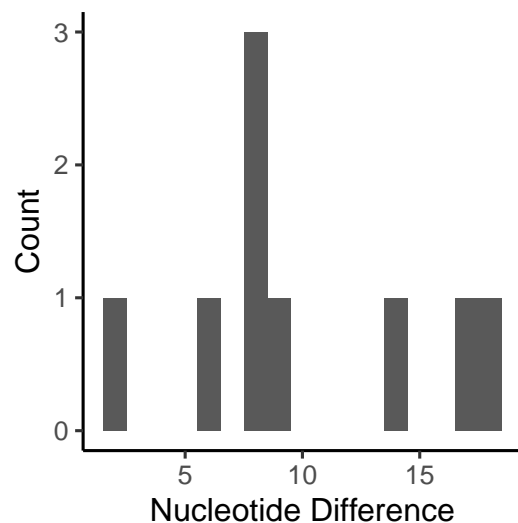
IGHV3-43*01

40 sequences assigned
1 (2.5%) exact matches, in which:
1 unique CDR3
1 unique J



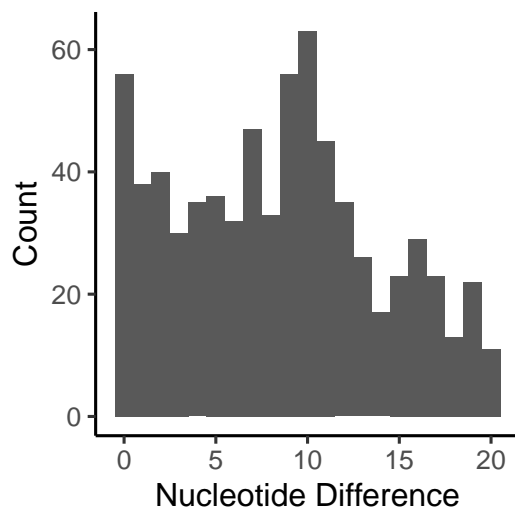
IGHV3-20*04

15 sequences assigned
No exact matches.



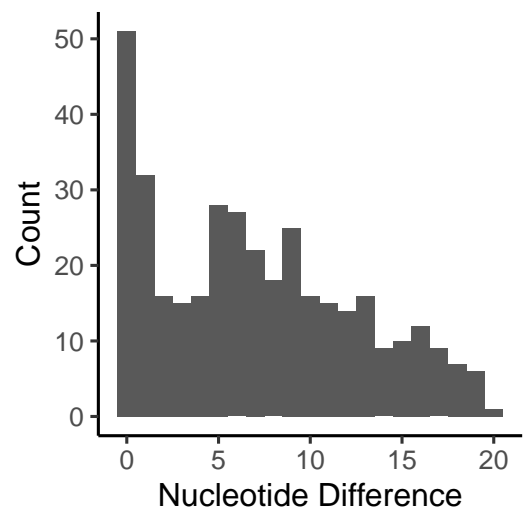
IGHV3-33*01

971 sequences assigned
56 (5.8%) exact matches, in which:
56 unique CDR3
5 unique J



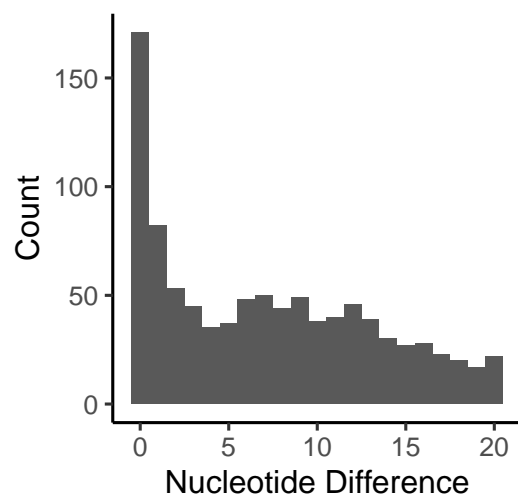
IGHV3-48*01

416 sequences assigned
51 (12.3%) exact matches, in which:
48 unique CDR3
6 unique J



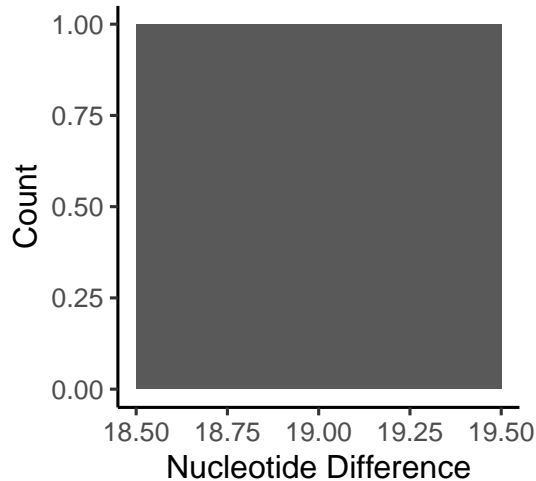
IGHV3-21*01

1150 sequences assigned
171 (14.9%) exact matches, in which:
169 unique CDR3
5 unique J



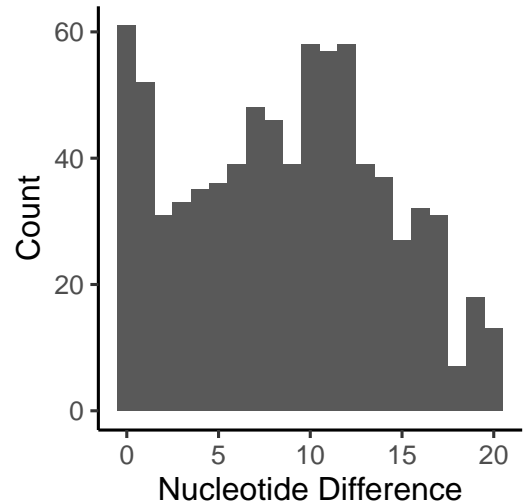
IGHV3-41*02

1 sequences assigned
No exact matches.



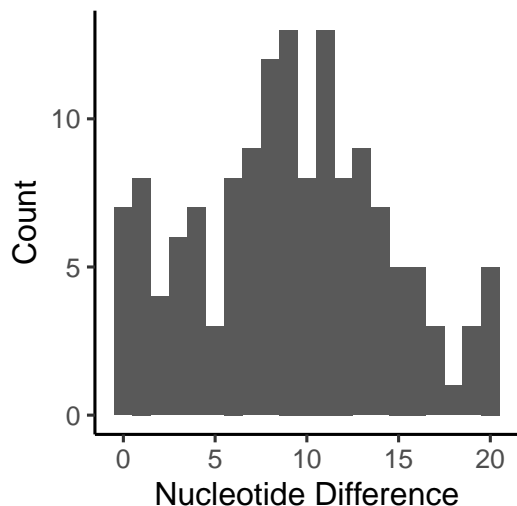
IGHV3-48*03

969 sequences assigned
61 (6.3%) exact matches, in which:
61 unique CDR3
5 unique J



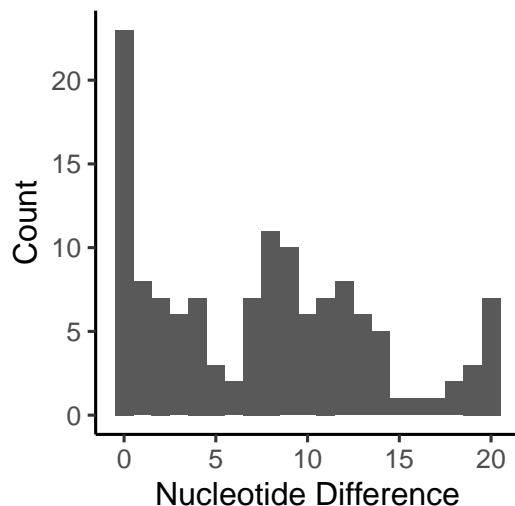
IGHV3-49*03

194 sequences assigned
7 (3.6%) exact matches, in which:
6 unique CDR3
2 unique J



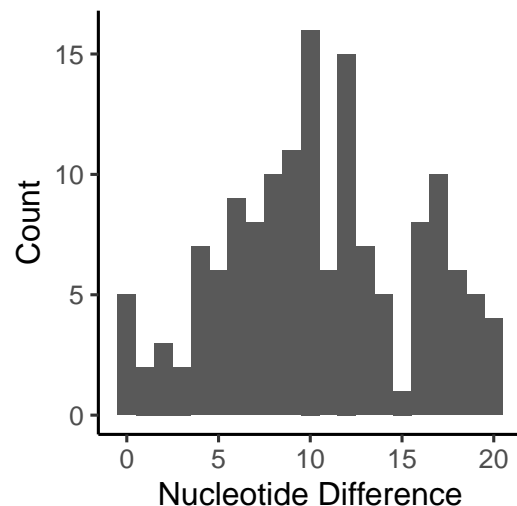
IGHV3-53*02

183 sequences assigned
23 (12.6%) exact matches, in which:
23 unique CDR3
5 unique J



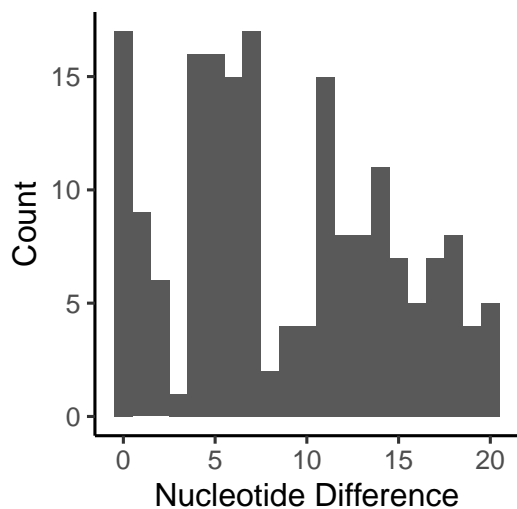
IGHV3-72*01

173 sequences assigned
5 (2.9%) exact matches, in which:
5 unique CDR3
4 unique J



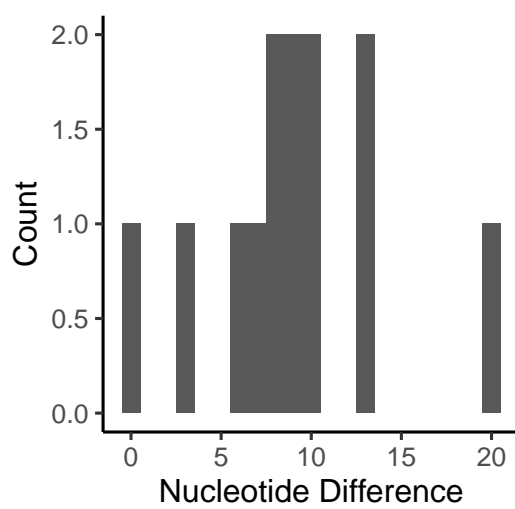
IGHV3-49*04

245 sequences assigned
17 (6.9%) exact matches, in which:
17 unique CDR3
2 unique J



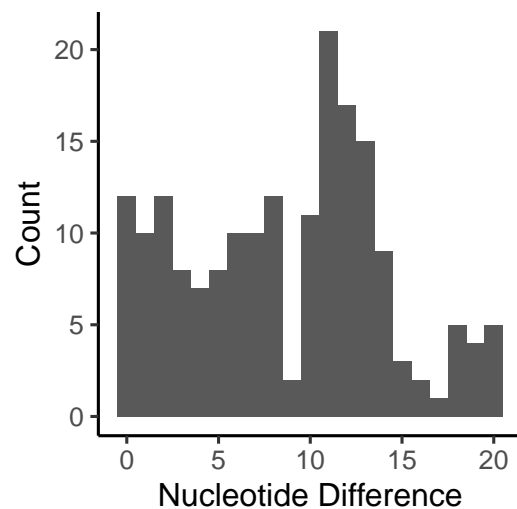
IGHV3-64*02

13 sequences assigned
1 (7.7%) exact matches, in which:
1 unique CDR3
1 unique J



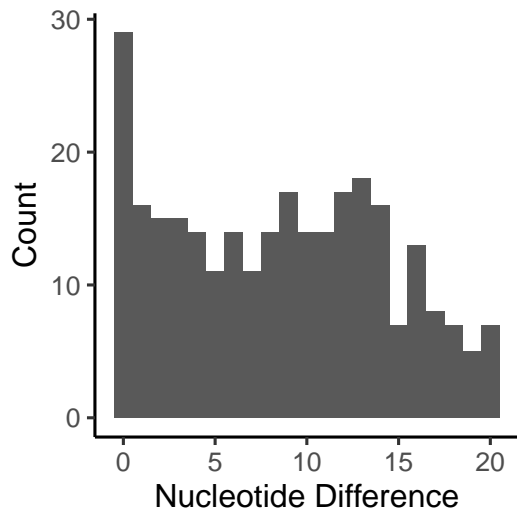
IGHV3-73*02

222 sequences assigned
12 (5.4%) exact matches, in which:
12 unique CDR3
4 unique J



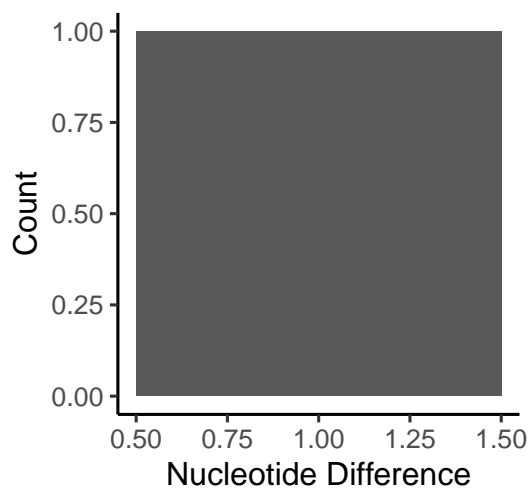
IGHV3-53*01

330 sequences assigned
29 (8.8%) exact matches, in which:
29 unique CDR3
5 unique J



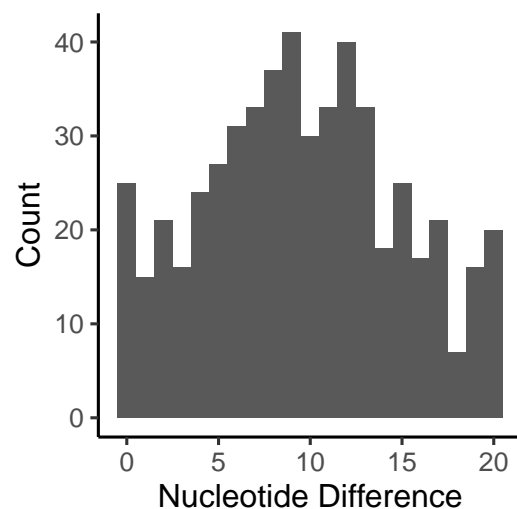
IGHV3-66*03

1 sequences assigned
No exact matches.



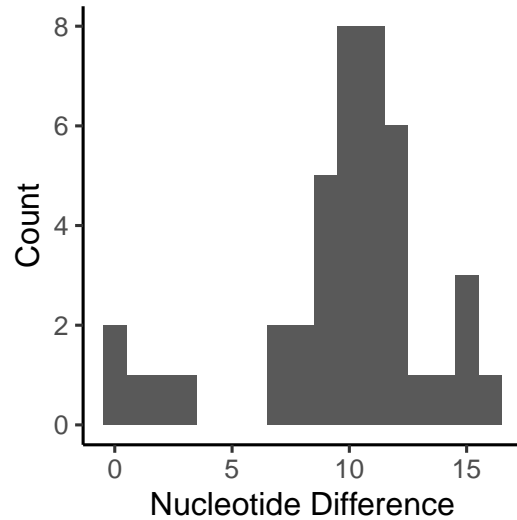
IGHV3-74*01

630 sequences assigned
25 (4%) exact matches, in which:
24 unique CDR3
5 unique J



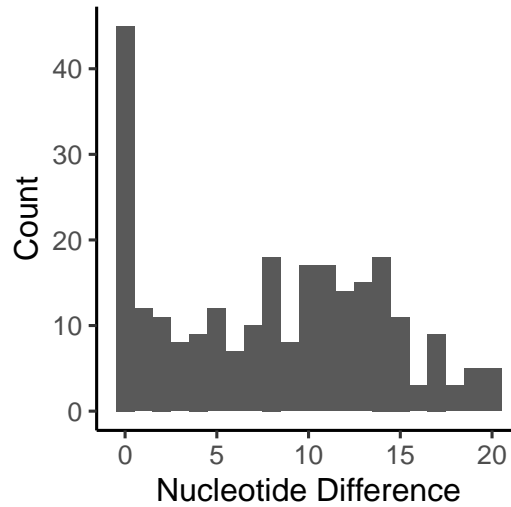
IGHV3-43D*04

44 sequences assigned
2 (4.5%) exact matches, in which:
2 unique CDR3
2 unique J



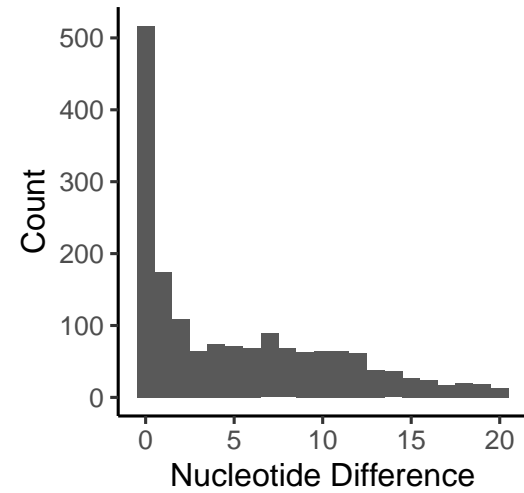
IGHV4-4*07

307 sequences assigned
45 (14.7%) exact matches, in which:
45 unique CDR3
6 unique J



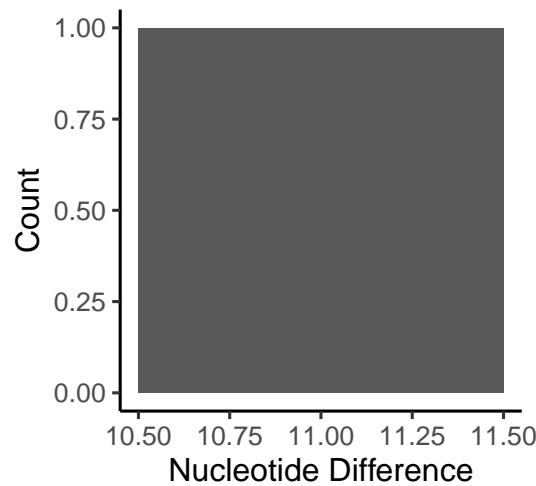
IGHV4-34*01

2046 sequences assigned
517 (25.3%) exact matches, in which:
511 unique CDR3
6 unique J



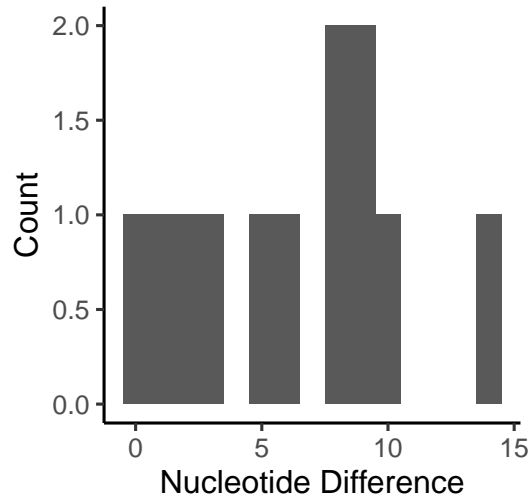
IGHV3-NL1*01

1 sequences assigned
No exact matches.



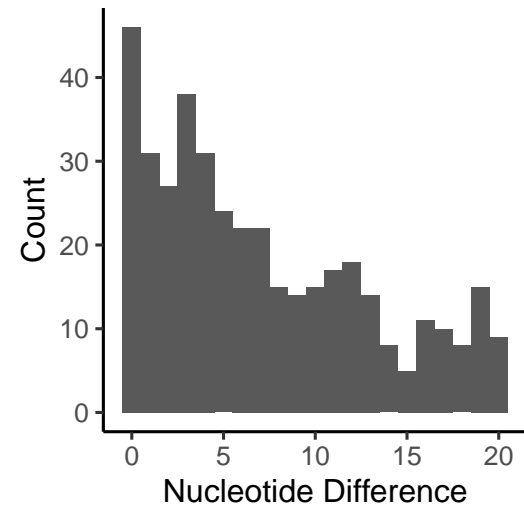
IGHV4-28*01

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



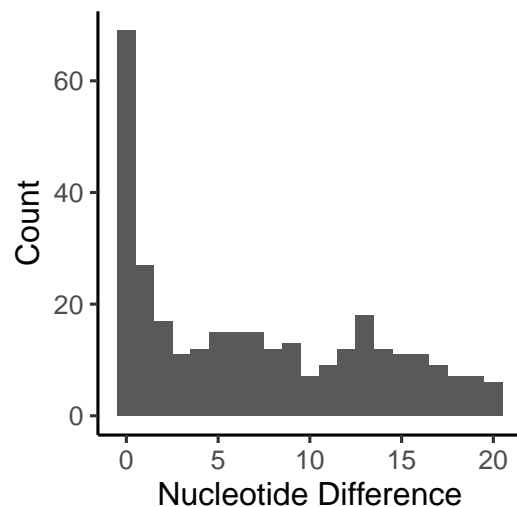
IGHV4-38-2*02_A70G

493 sequences assigned
46 (9.3%) exact matches, in which:
46 unique CDR3
5 unique J



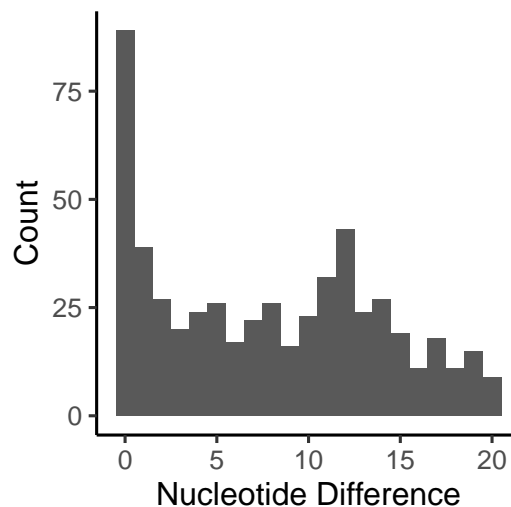
IGHV4-4*02

371 sequences assigned
69 (18.6%) exact matches, in which:
69 unique CDR3
5 unique J



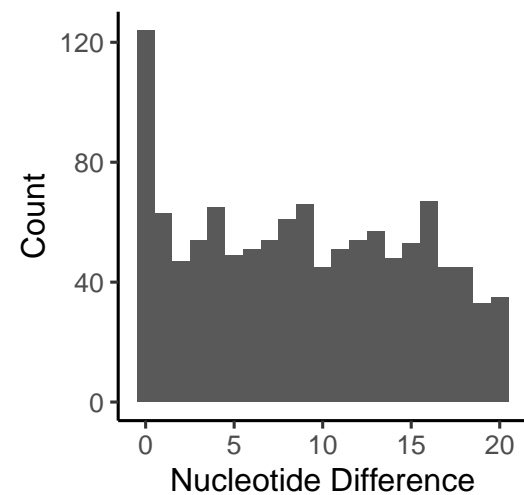
IGHV4-31*03

702 sequences assigned
89 (12.7%) exact matches, in which:
87 unique CDR3
6 unique J



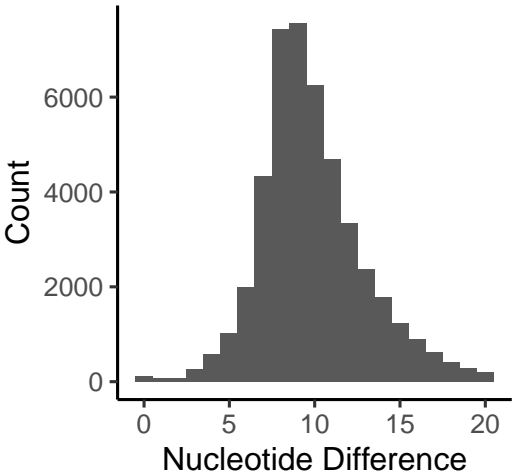
IGHV4-39*01

1481 sequences assigned
124 (8.4%) exact matches, in which:
122 unique CDR3
6 unique J



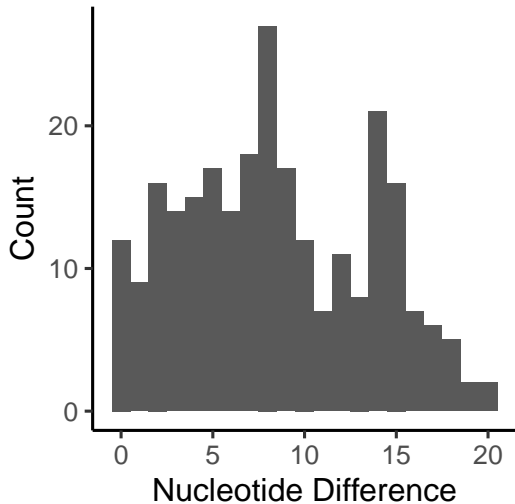
IGHV4-59*01

45992 sequences assigned
112 (0.2%) exact matches, in which:
110 unique CDR3
6 unique J



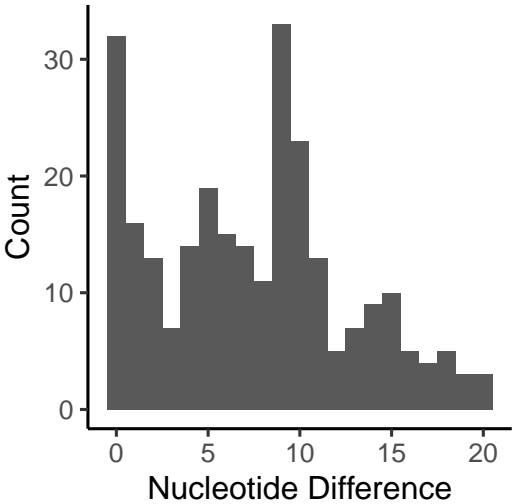
IGHV6-1*01

264 sequences assigned
12 (4.5%) exact matches, in which:
12 unique CDR3
3 unique J



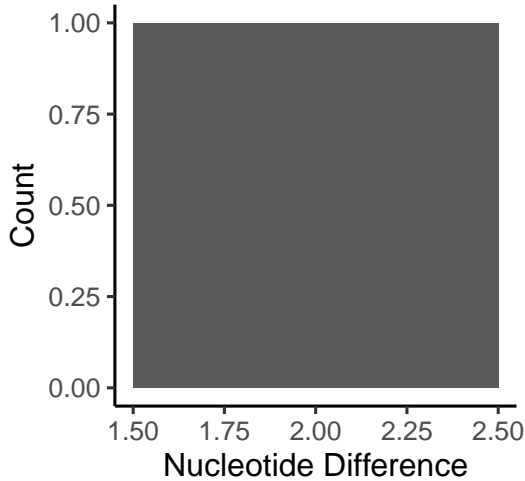
IGHV4-61*01

335 sequences assigned
32 (9.6%) exact matches, in which:
32 unique CDR3
6 unique J



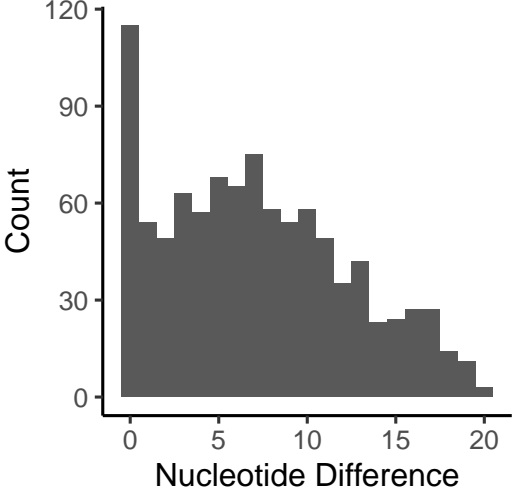
IGHV7-4-1*01

1 sequences assigned
No exact matches.



IGHV5-51*01

1032 sequences assigned
115 (11.1%) exact matches, in which:
114 unique CDR3
6 unique J





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.