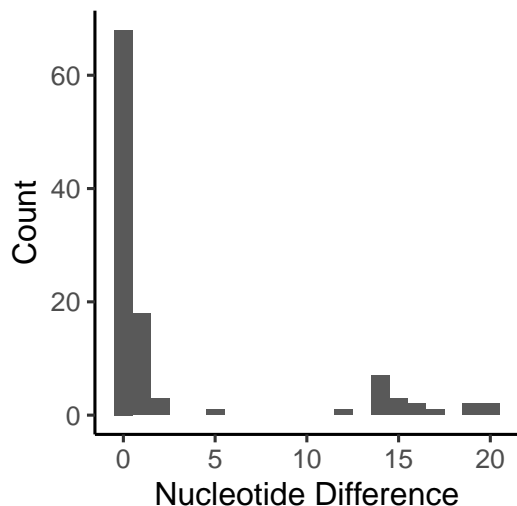


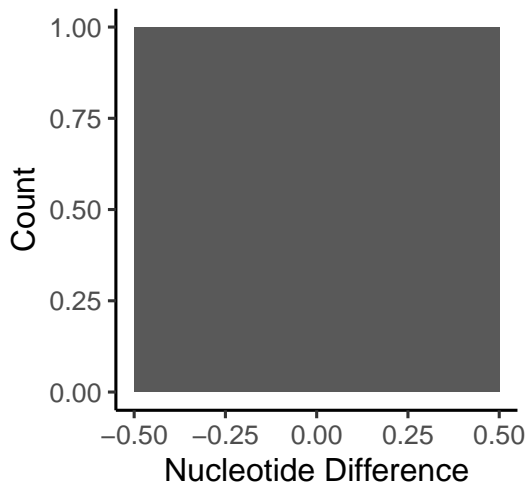
IGHV1-2*04

122 sequences assigned
68 (55.7%) exact matches, in which:
68 unique CDR3
6 unique J



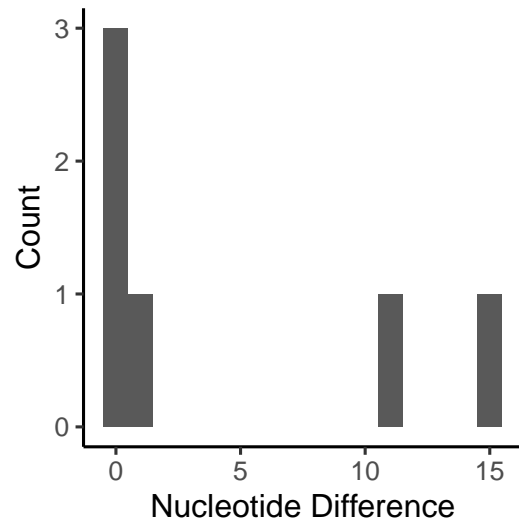
IGHV1-8*01

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



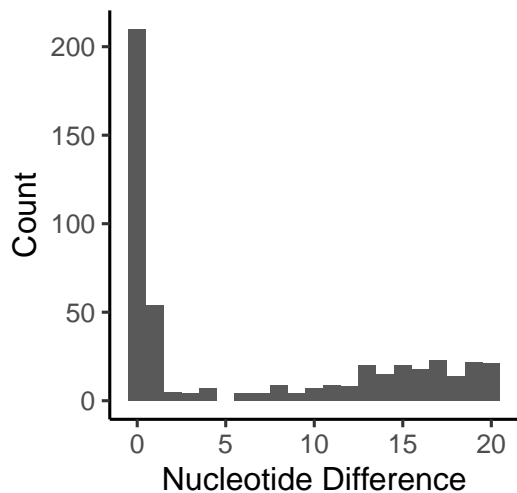
IGHV1-45*02

9 sequences assigned
3 (33.3%) exact matches, in which:
3 unique CDR3
1 unique J



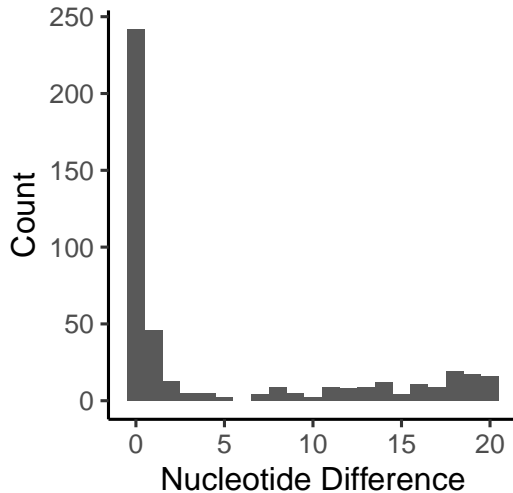
IGHV1-2*06

839 sequences assigned
210 (25%) exact matches, in which:
209 unique CDR3
6 unique J



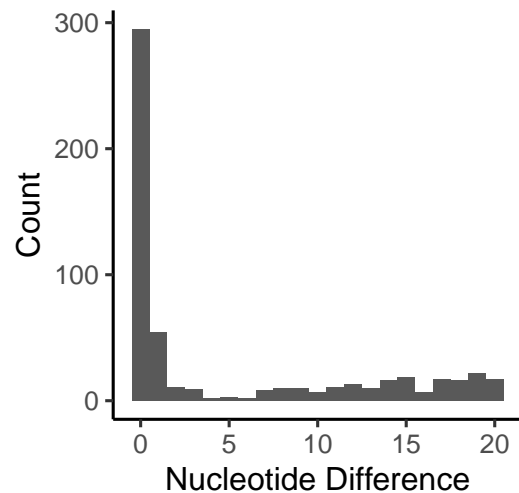
IGHV1-18*01

766 sequences assigned
242 (31.6%) exact matches, in which:
242 unique CDR3
7 unique J



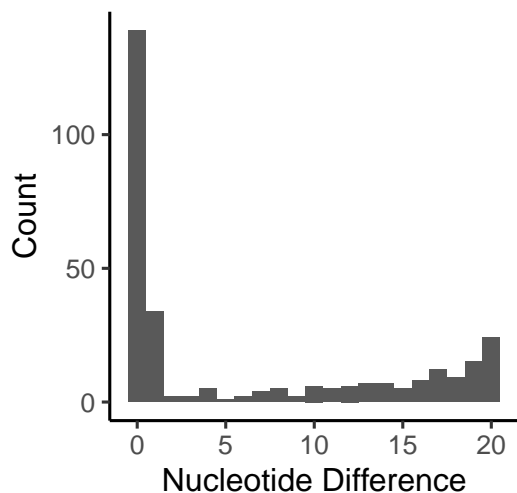
IGHV1-46*01

959 sequences assigned
295 (30.8%) exact matches, in which:
294 unique CDR3
7 unique J



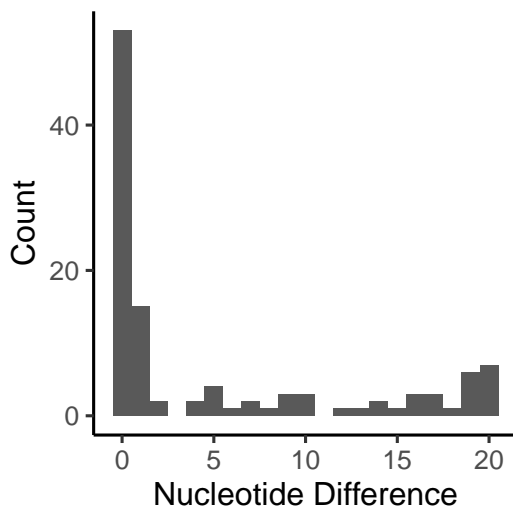
IGHV1-3*01

565 sequences assigned
139 (24.6%) exact matches, in which:
139 unique CDR3
6 unique J



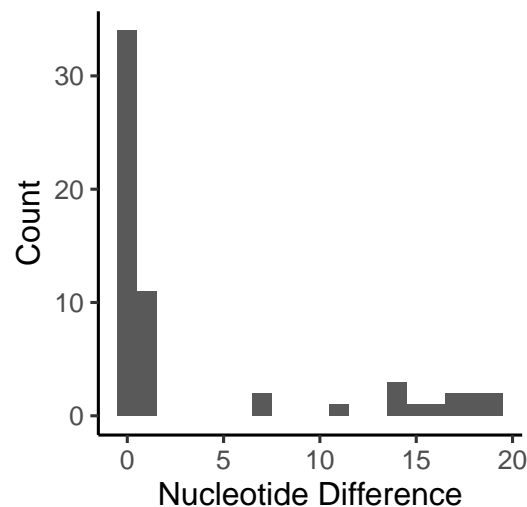
IGHV1-24*01

141 sequences assigned
53 (37.6%) exact matches, in which:
53 unique CDR3
7 unique J



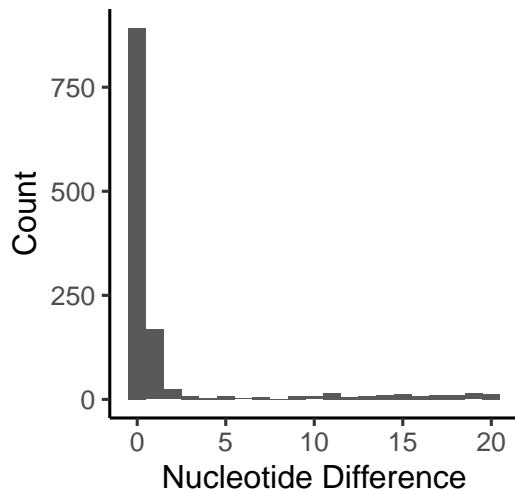
IGHV1-58*01

86 sequences assigned
34 (39.5%) exact matches, in which:
34 unique CDR3
5 unique J



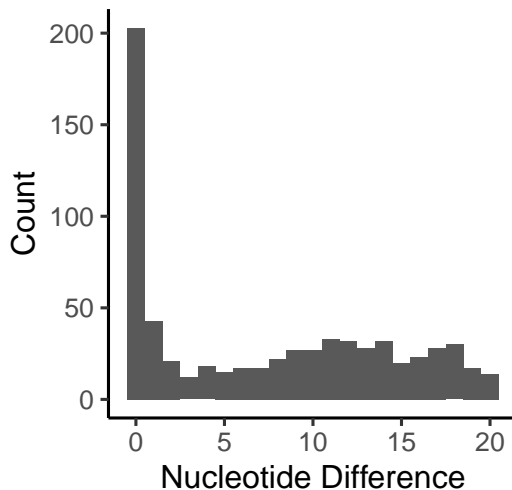
IGHV1–69*01

1737 sequences assigned
893 (51.4%) exact matches, in which:
887 unique CDR3
7 unique J



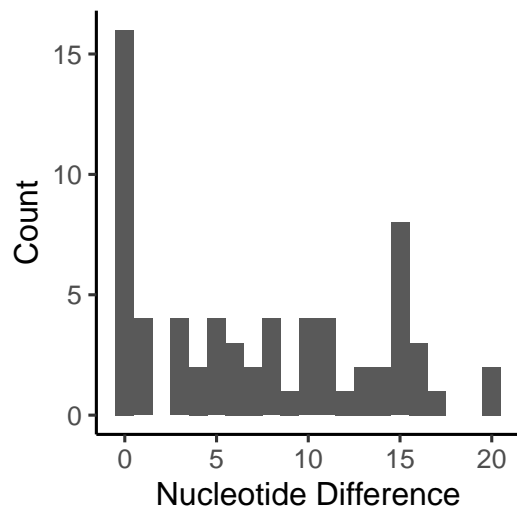
IGHV2–5*02

1015 sequences assigned
203 (20%) exact matches, in which:
203 unique CDR3
7 unique J



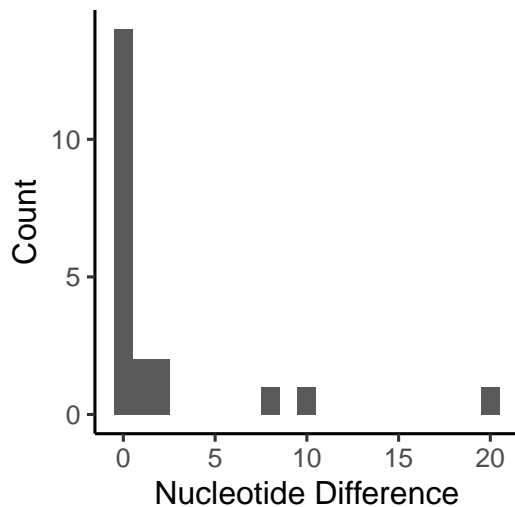
IGHV2–70*04

76 sequences assigned
16 (21.1%) exact matches, in which:
16 unique CDR3
4 unique J



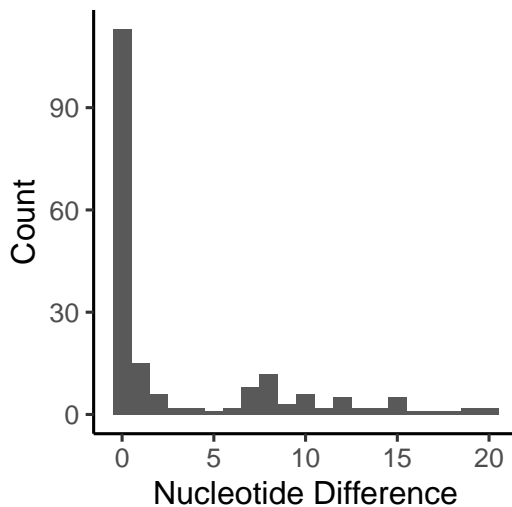
IGHV1–69–2*01

31 sequences assigned
14 (45.2%) exact matches, in which:
14 unique CDR3
4 unique J



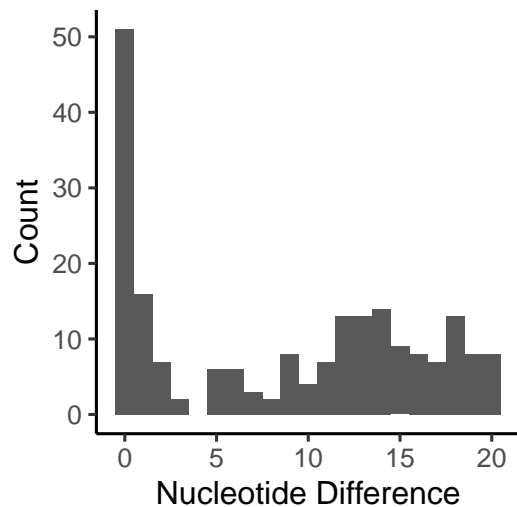
IGHV2–26*01

211 sequences assigned
113 (53.6%) exact matches, in which:
113 unique CDR3
7 unique J



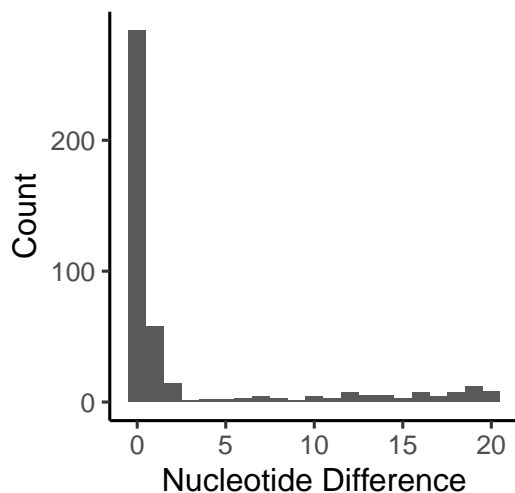
IGHV3–7*01

300 sequences assigned
51 (17%) exact matches, in which:
50 unique CDR3
6 unique J



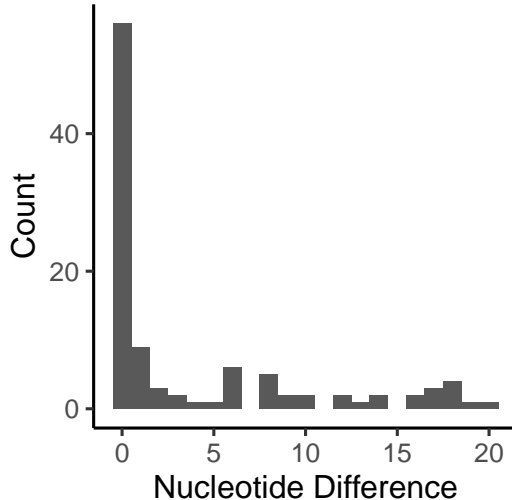
IGHV1–69*06

631 sequences assigned
284 (45%) exact matches, in which:
284 unique CDR3
6 unique J



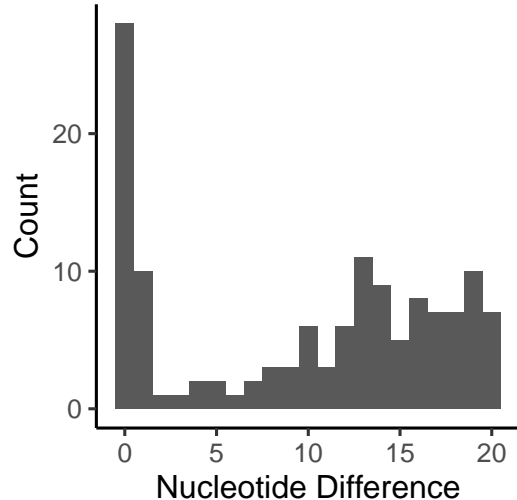
IGHV2–70*01

161 sequences assigned
56 (34.8%) exact matches, in which:
56 unique CDR3
6 unique J



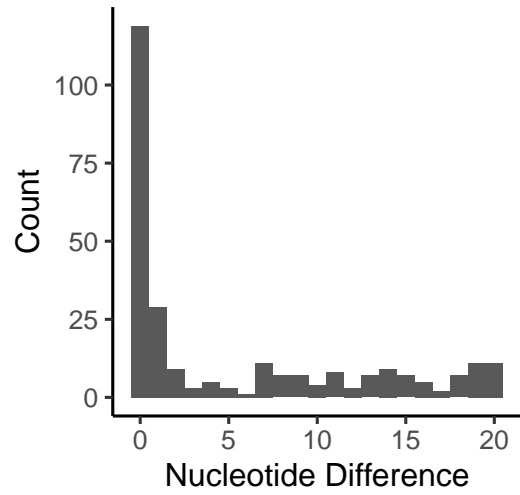
IGHV3–7*04

213 sequences assigned
28 (13.1%) exact matches, in which:
28 unique CDR3
4 unique J



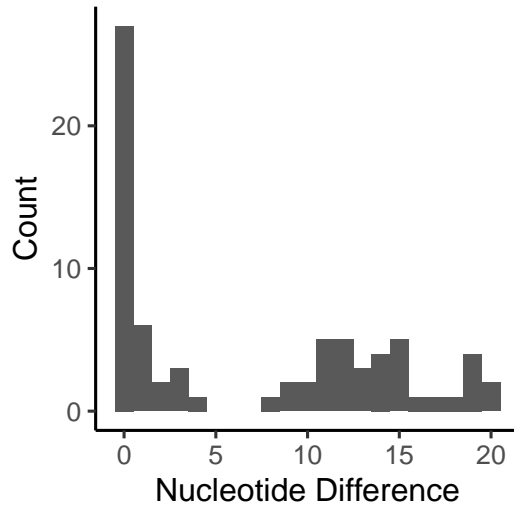
IGHV3-11*05

443 sequences assigned
119 (26.9%) exact matches, in which:
119 unique CDR3
5 unique J



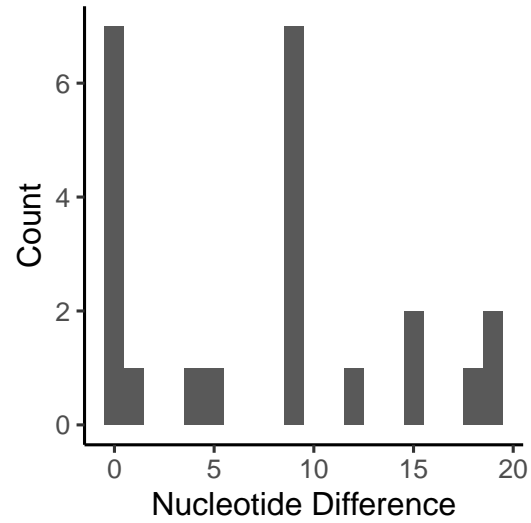
IGHV3-13*04

89 sequences assigned
27 (30.3%) exact matches, in which:
27 unique CDR3
5 unique J



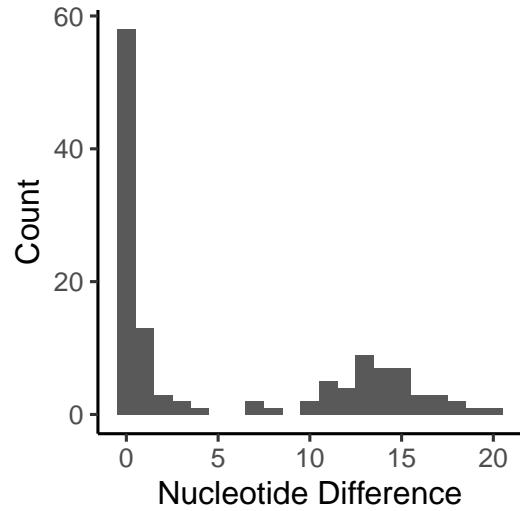
IGHV3-20*01

25 sequences assigned
7 (28%) exact matches, in which:
7 unique CDR3
3 unique J



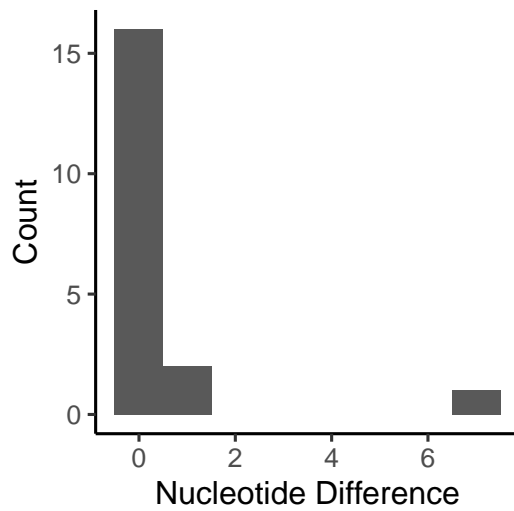
IGHV3-11*06

238 sequences assigned
58 (24.4%) exact matches, in which:
58 unique CDR3
5 unique J



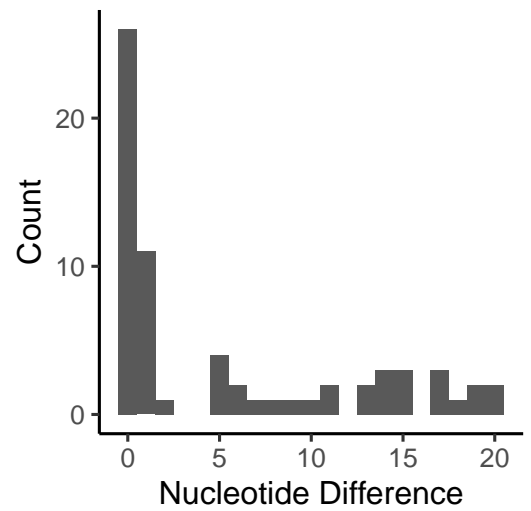
IGHV3-13*05

19 sequences assigned
16 (84.2%) exact matches, in which:
16 unique CDR3
5 unique J



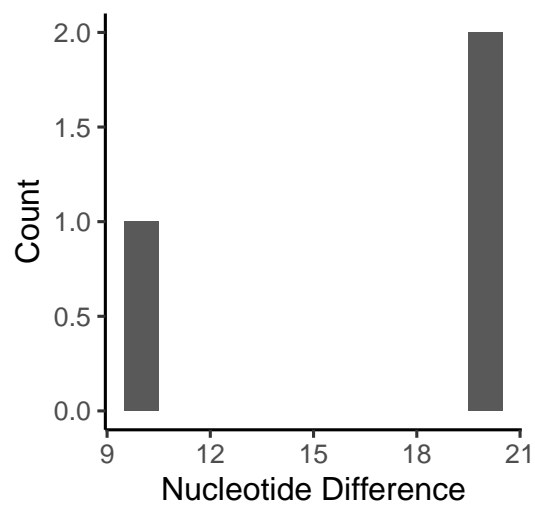
IGHV3-20*04

145 sequences assigned
26 (17.9%) exact matches, in which:
26 unique CDR3
5 unique J



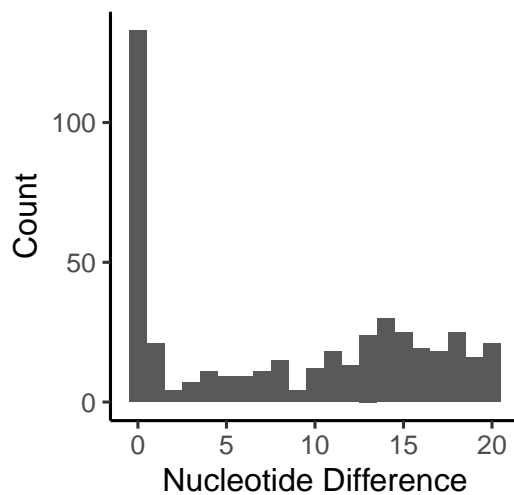
IGHV3-13*01

25 sequences assigned
No exact matches.



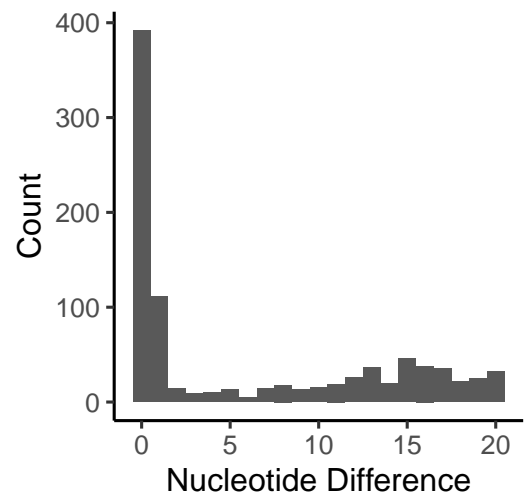
IGHV3-15*01

702 sequences assigned
133 (18.9%) exact matches, in which:
131 unique CDR3
7 unique J



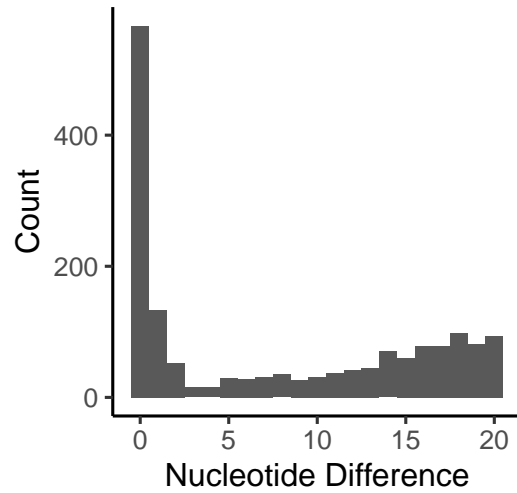
IGHV3-21*01

1346 sequences assigned
392 (29.1%) exact matches, in which:
389 unique CDR3
7 unique J



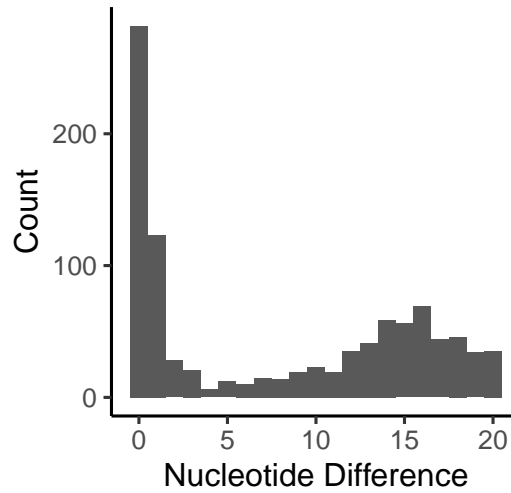
IGHV3-23*01

3015 sequences assigned
567 (18.8%) exact matches, in which:
565 unique CDR3
7 unique J



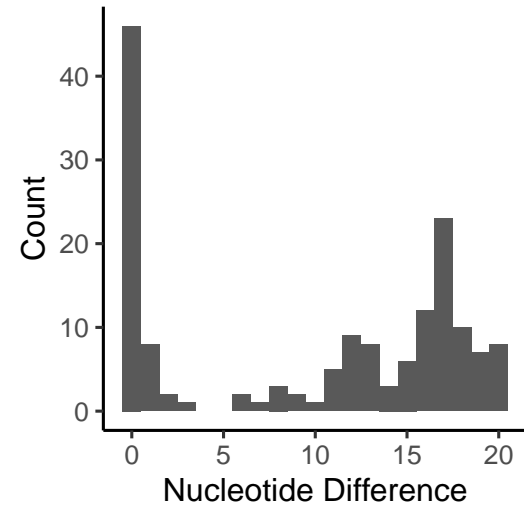
IGHV3-33*01

1657 sequences assigned
282 (17%) exact matches, in which:
276 unique CDR3
7 unique J



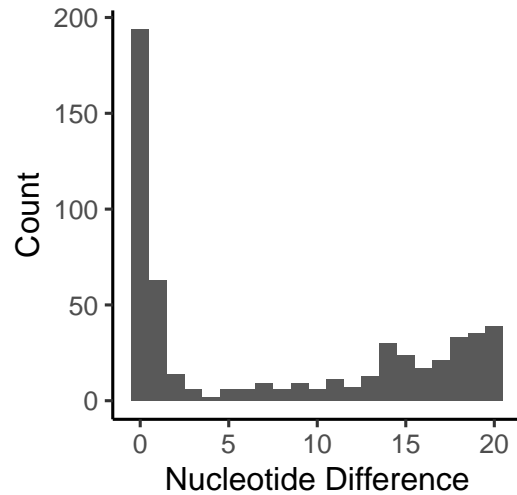
IGHV3-49*05

328 sequences assigned
46 (14%) exact matches, in which:
46 unique CDR3
7 unique J



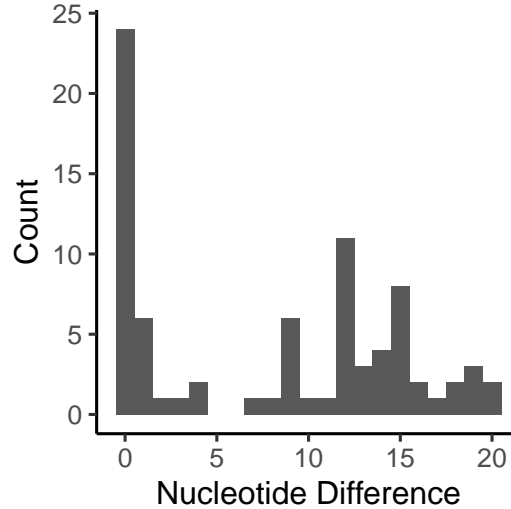
IGHV3-30-3*01

960 sequences assigned
194 (20.2%) exact matches, in which:
193 unique CDR3
6 unique J



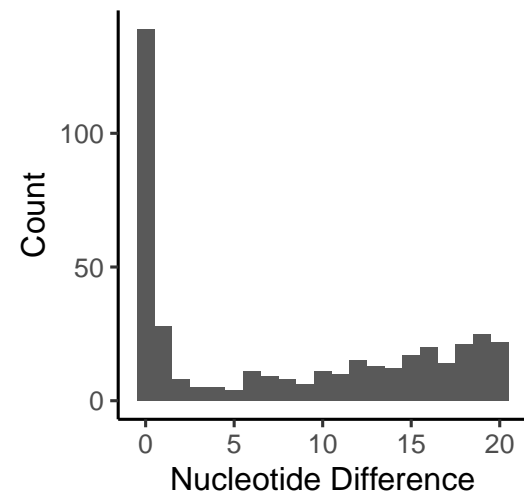
IGHV3-43*01

143 sequences assigned
24 (16.8%) exact matches, in which:
24 unique CDR3
6 unique J



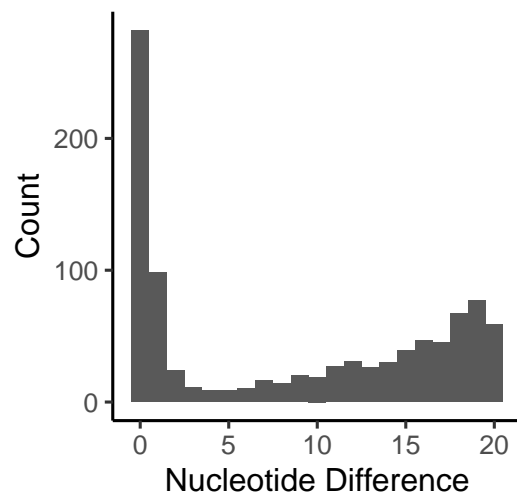
IGHV3-53*01

662 sequences assigned
139 (21%) exact matches, in which:
139 unique CDR3
7 unique J



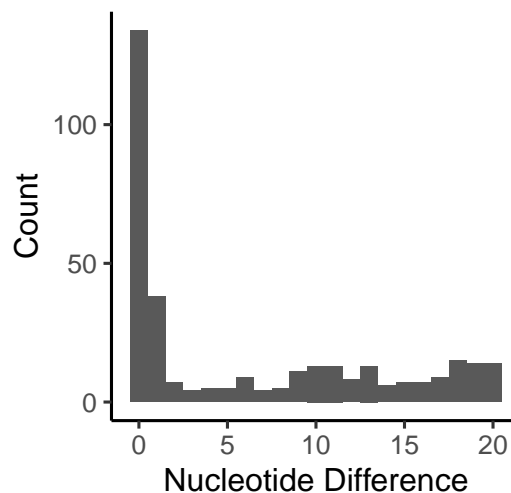
IGHV3-30*18

1716 sequences assigned
282 (16.4%) exact matches, in which:
282 unique CDR3
7 unique J



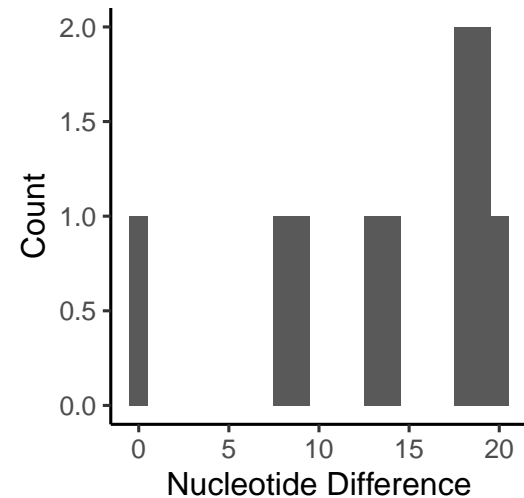
IGHV3-48*02

508 sequences assigned
134 (26.4%) exact matches, in which:
134 unique CDR3
7 unique J



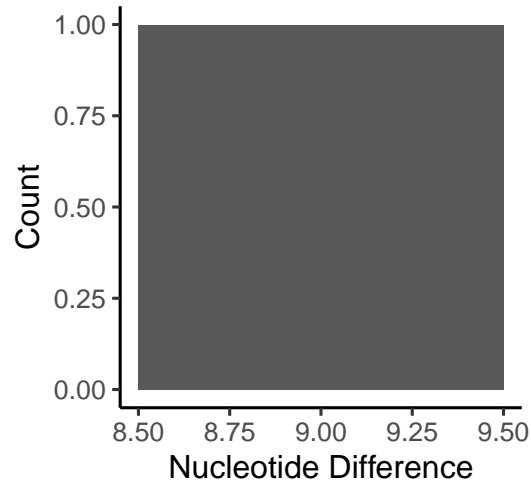
IGHV3-64*02

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



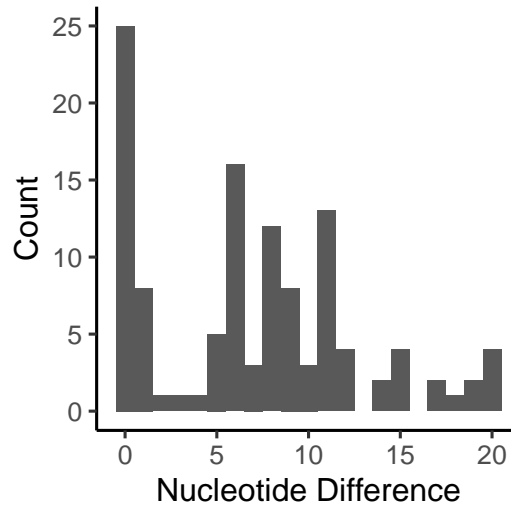
IGHV3-66*03

1 sequences assigned
No exact matches.



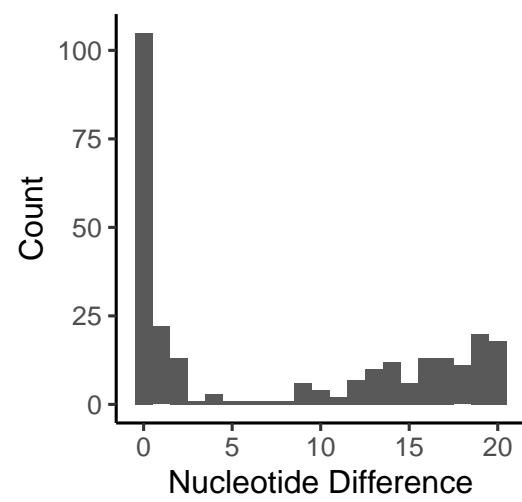
IGHV3-73*02

184 sequences assigned
25 (13.6%) exact matches, in which:
25 unique CDR3
5 unique J



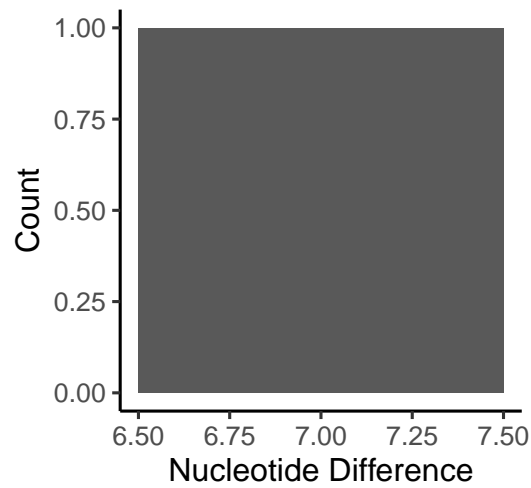
IGHV4-4*02

476 sequences assigned
105 (22.1%) exact matches, in which:
104 unique CDR3
7 unique J



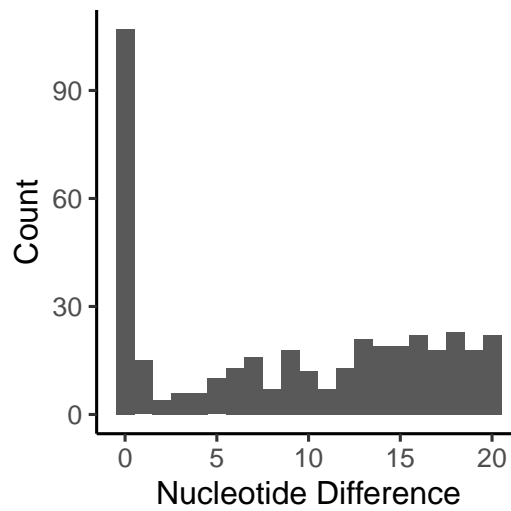
IGHV3-69-1*01

1 sequences assigned
No exact matches.



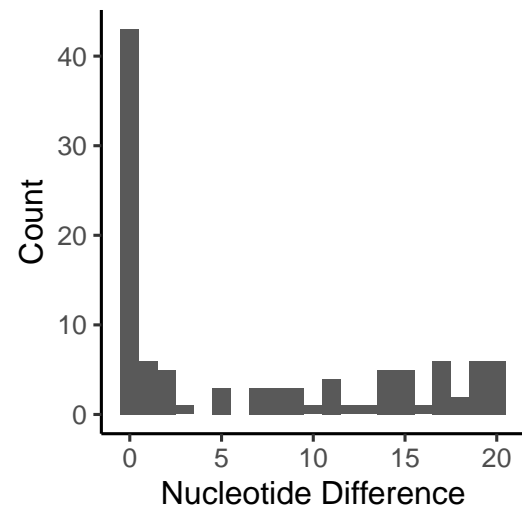
IGHV3-74*01

723 sequences assigned
107 (14.8%) exact matches, in which:
107 unique CDR3
7 unique J



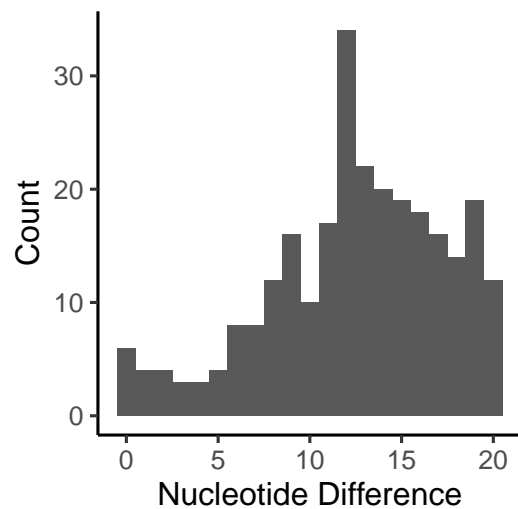
IGHV4-30-4*01

184 sequences assigned
43 (23.4%) exact matches, in which:
43 unique CDR3
6 unique J



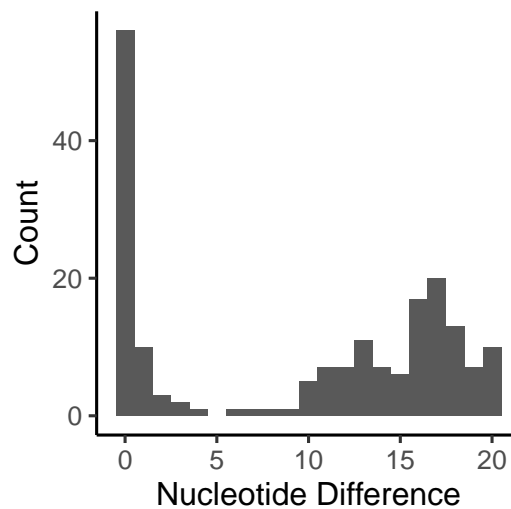
IGHV3-72*01

364 sequences assigned
6 (1.6%) exact matches, in which:
6 unique CDR3
3 unique J



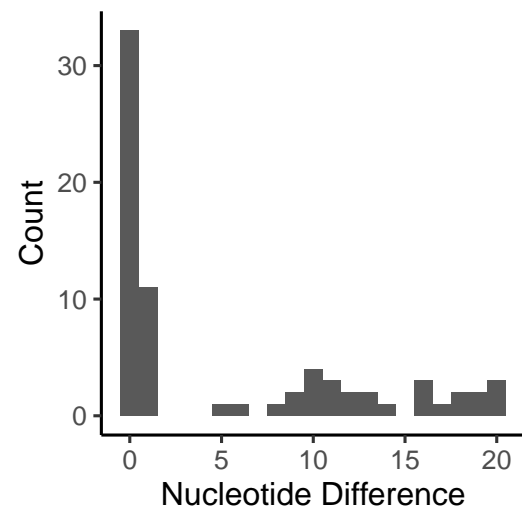
IGHV3-64D*06

320 sequences assigned
56 (17.5%) exact matches, in which:
55 unique CDR3
7 unique J



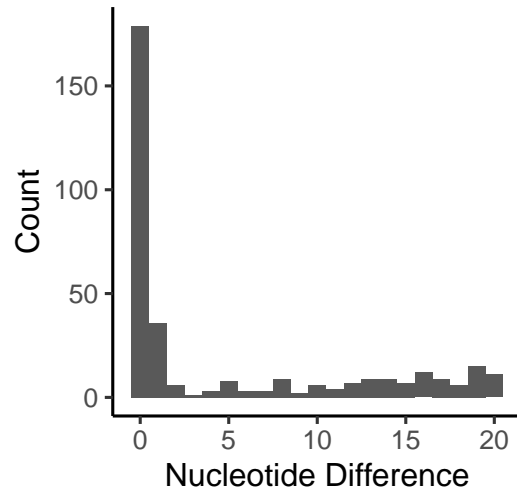
IGHV4-30-2*01

123 sequences assigned
33 (26.8%) exact matches, in which:
33 unique CDR3
7 unique J



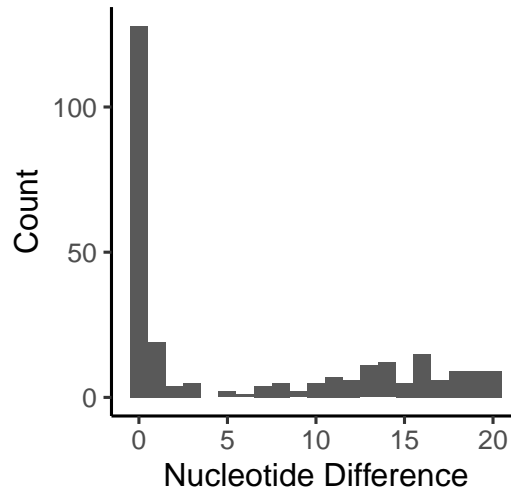
IGHV4-31*03

600 sequences assigned
179 (29.8%) exact matches, in which:
179 unique CDR3
7 unique J



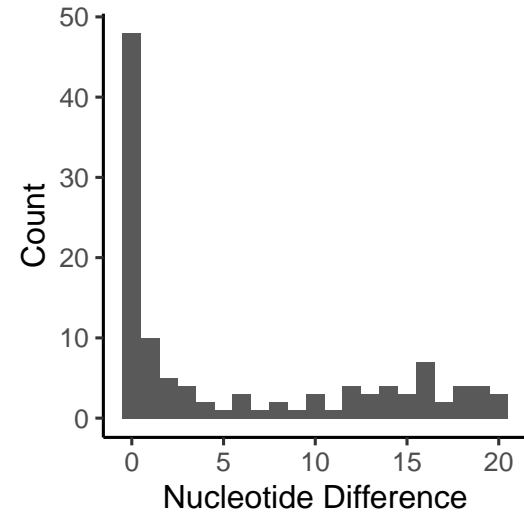
IGHV4-59*01

521 sequences assigned
128 (24.6%) exact matches, in which:
128 unique CDR3
7 unique J



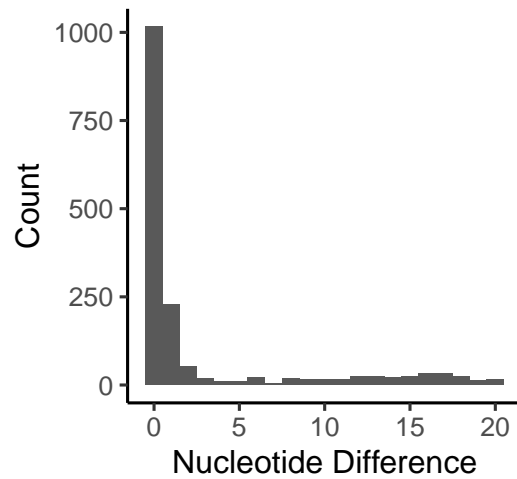
IGHV5-10-1*01

163 sequences assigned
48 (29.4%) exact matches, in which:
47 unique CDR3
6 unique J



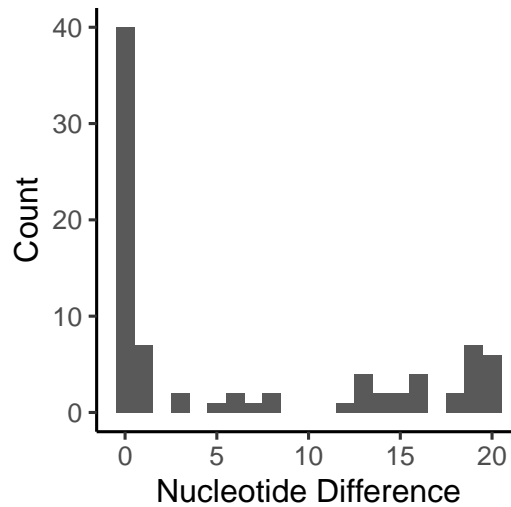
IGHV4-34*01

2156 sequences assigned
1016 (47.1%) exact matches, in which:
1003 unique CDR3
7 unique J



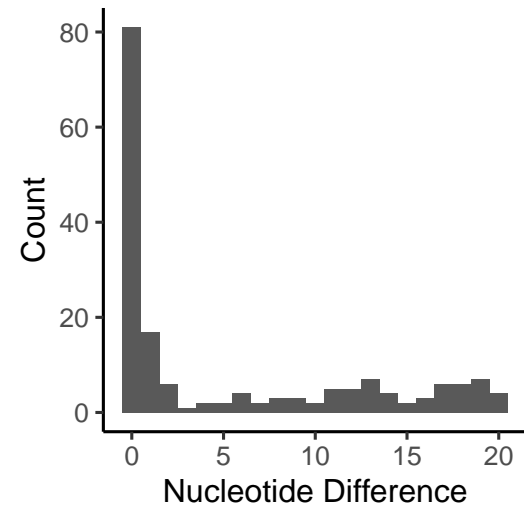
IGHV4-61*01

138 sequences assigned
40 (29%) exact matches, in which:
40 unique CDR3
6 unique J



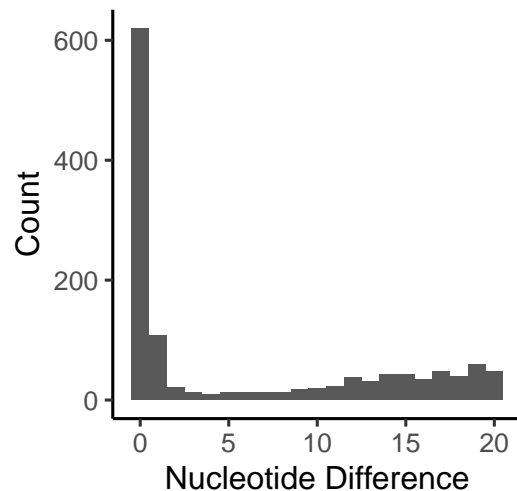
IGHV5-10-1*03

279 sequences assigned
81 (29%) exact matches, in which:
81 unique CDR3
6 unique J



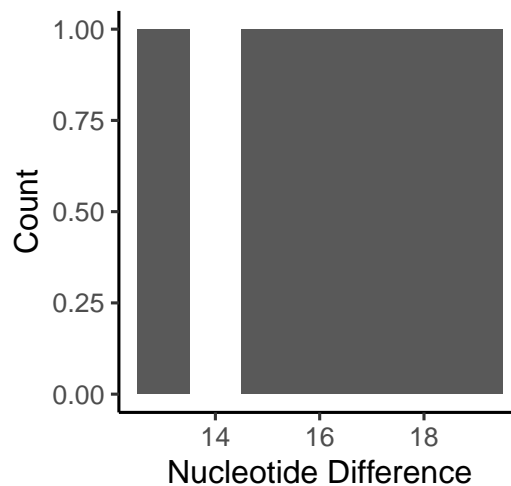
IGHV4-39*01

2248 sequences assigned
620 (27.6%) exact matches, in which:
615 unique CDR3
7 unique J



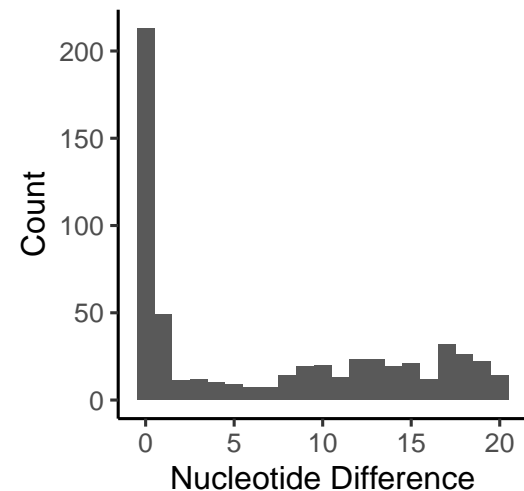
IGHV4-61*08

35 sequences assigned
No exact matches.



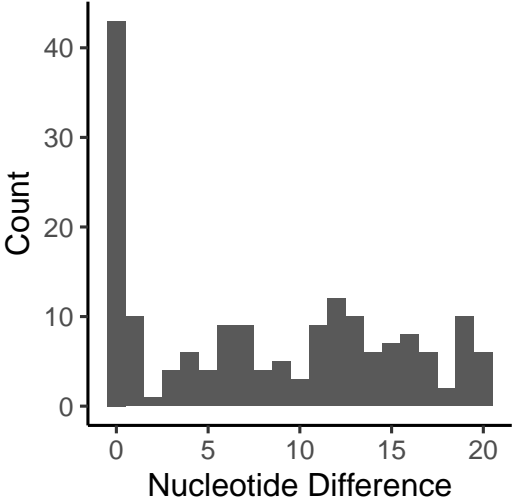
IGHV5-51*01

828 sequences assigned
213 (25.7%) exact matches, in which:
213 unique CDR3
7 unique J



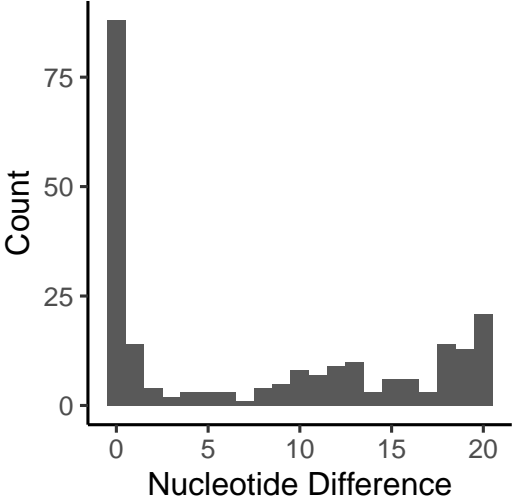
IGHV6-1*01

238 sequences assigned
43 (18.1%) exact matches, in which:
43 unique CDR3
6 unique J

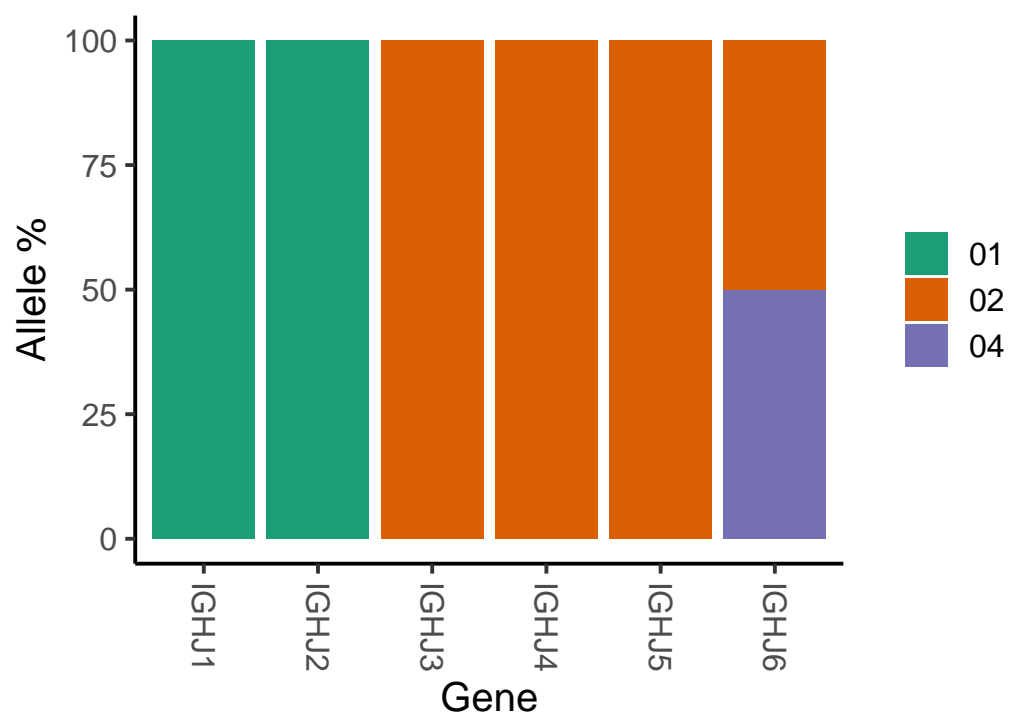


IGHV7-4-1*02

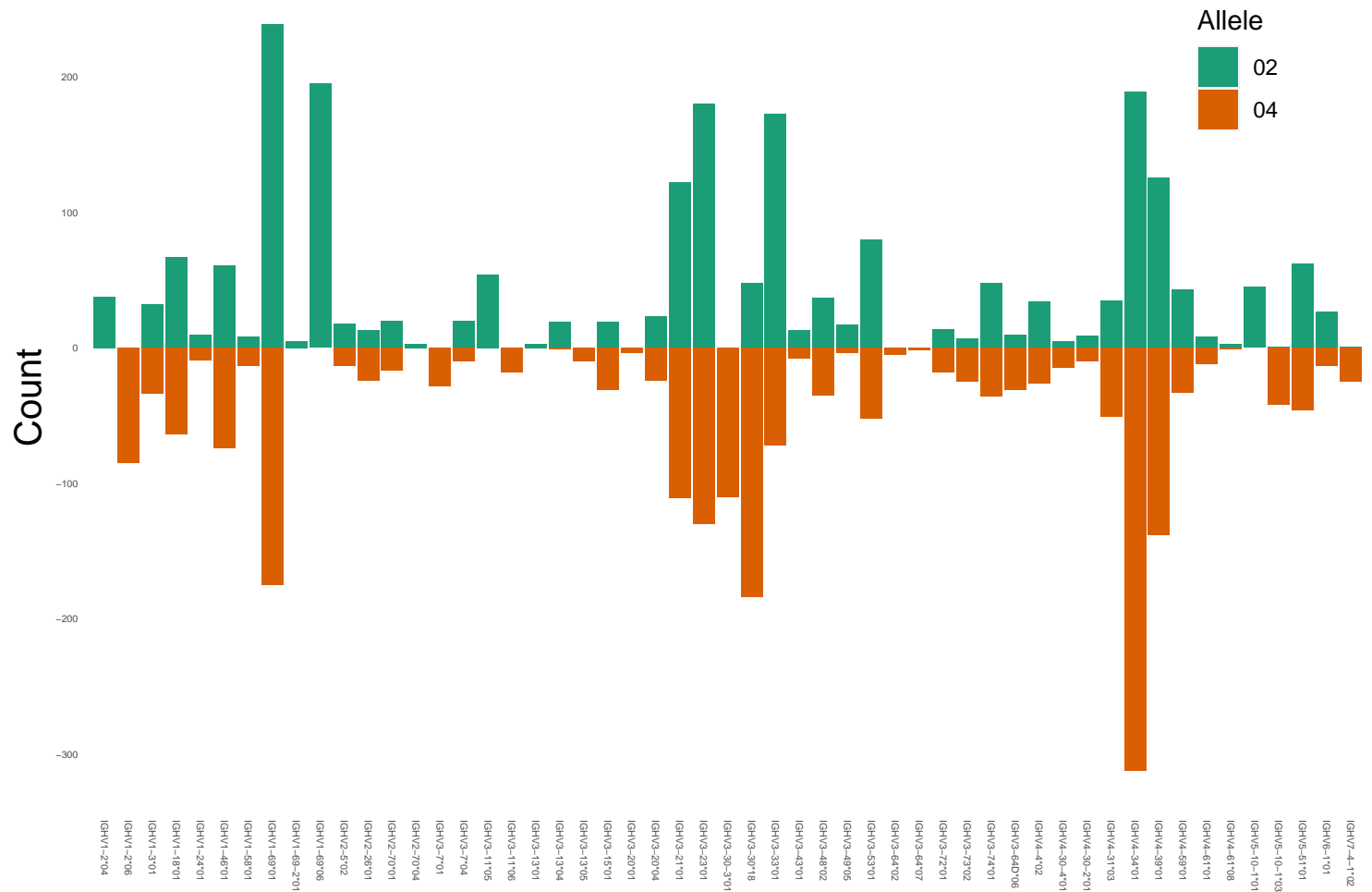
318 sequences assigned
88 (27.7%) exact matches, in which:
88 unique CDR3
6 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.