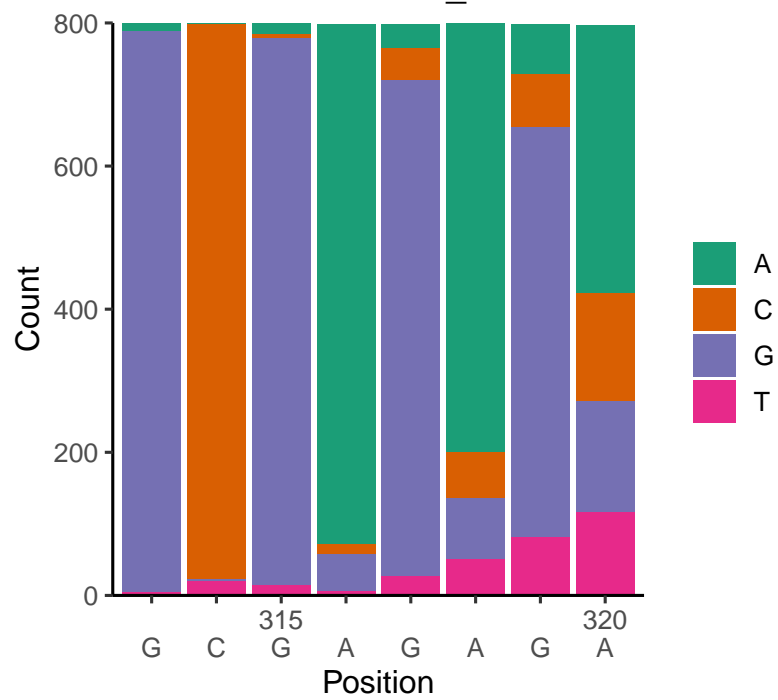
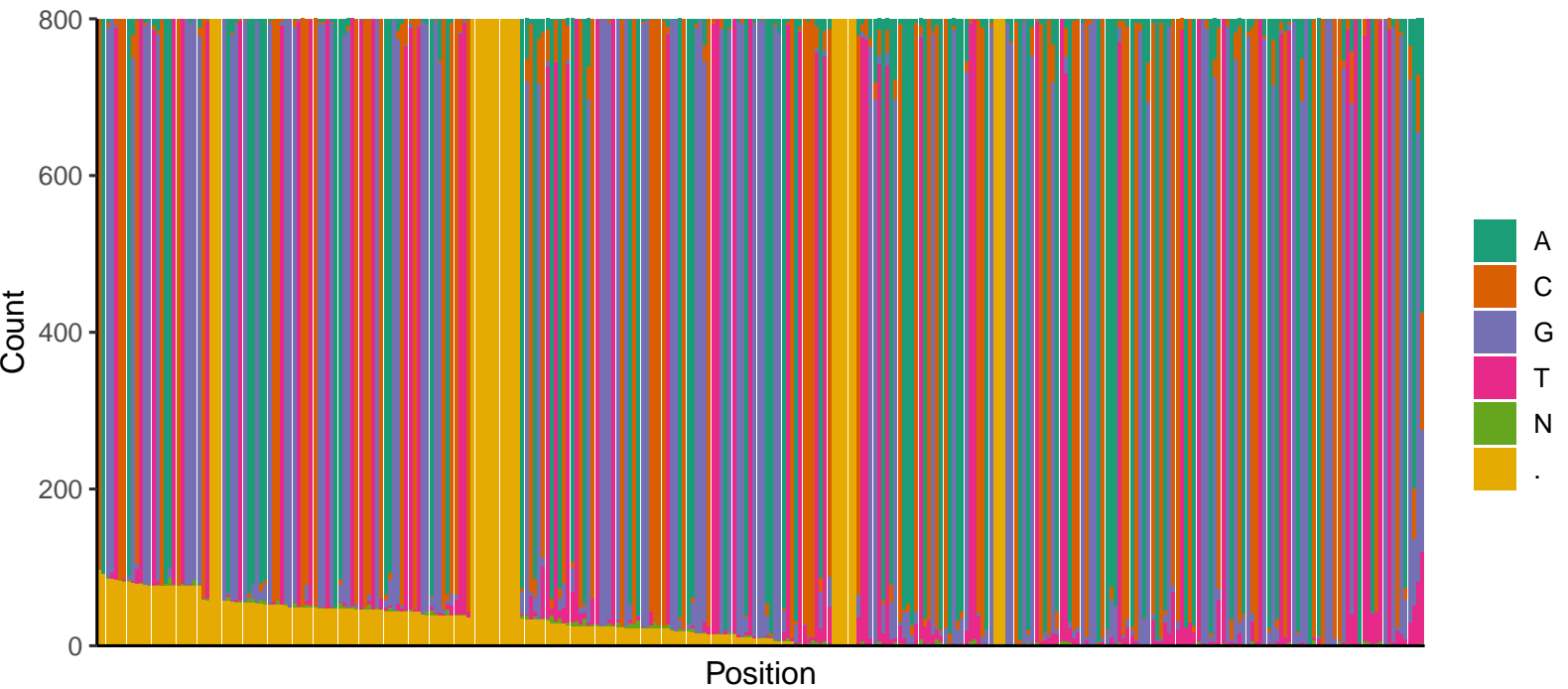


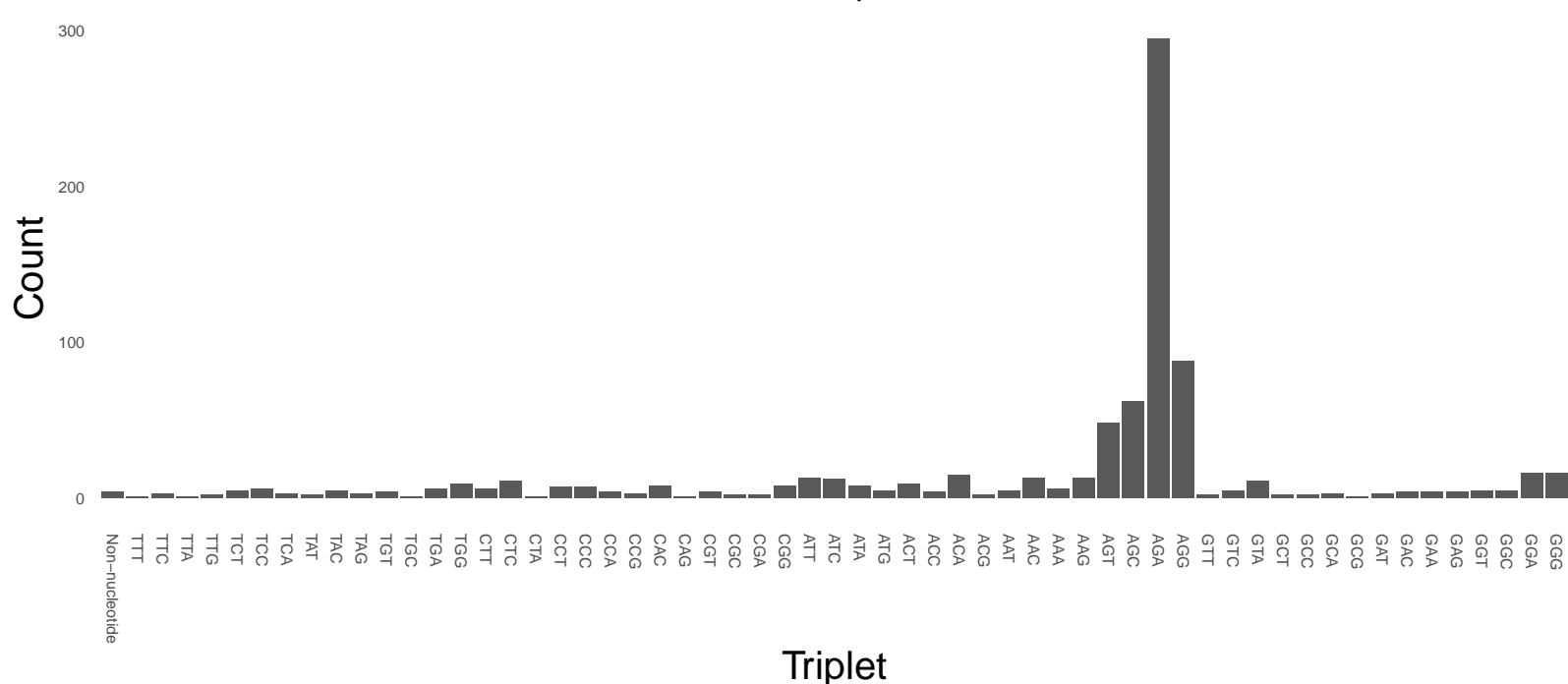
Gene IGHV1-69*08_C191T



Gene IGHV1-69*08_C191T

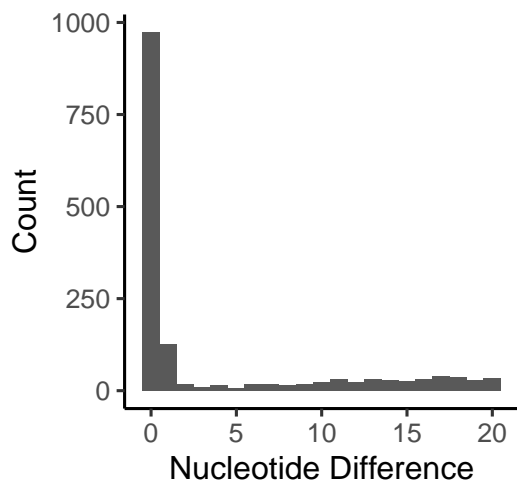


IGHV1-69*08_C191T- Final 3 nucleotides as a triplet



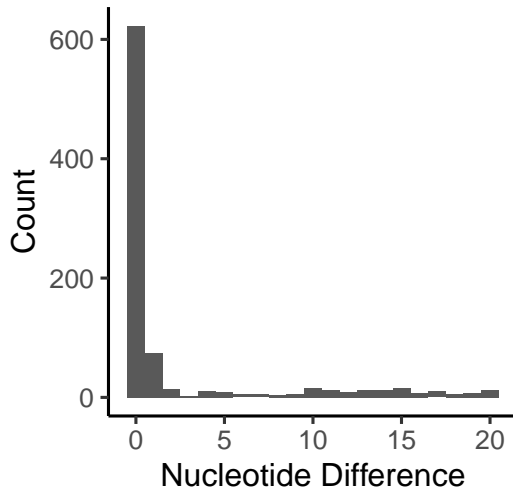
IGHV1-2*02

2040 sequences assigned
973 (47.7%) exact matches, in which:
965 unique CDR3
6 unique J



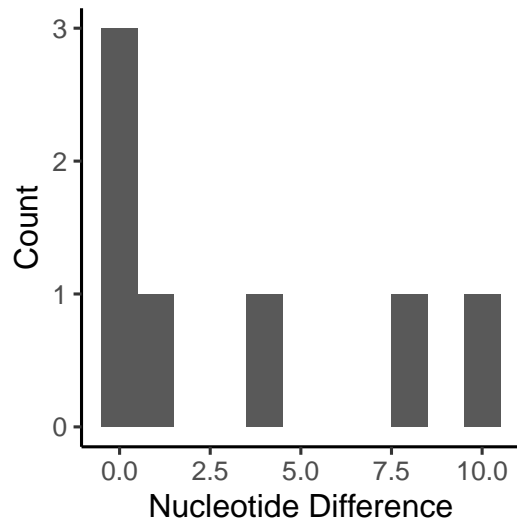
IGHV1-8*01

1053 sequences assigned
623 (59.2%) exact matches, in which:
623 unique CDR3
6 unique J



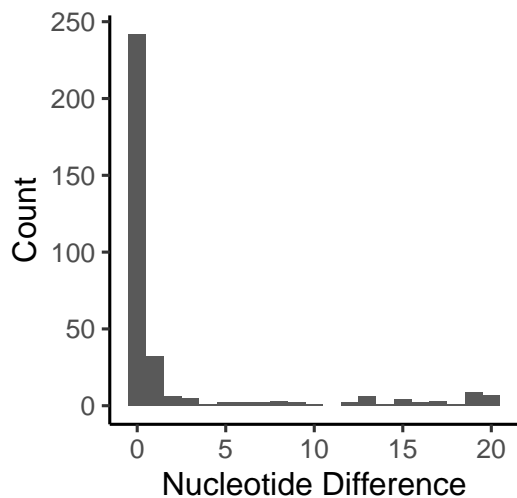
IGHV1-45*02

52 sequences assigned
3 (5.8%) exact matches, in which:
3 unique CDR3
2 unique J



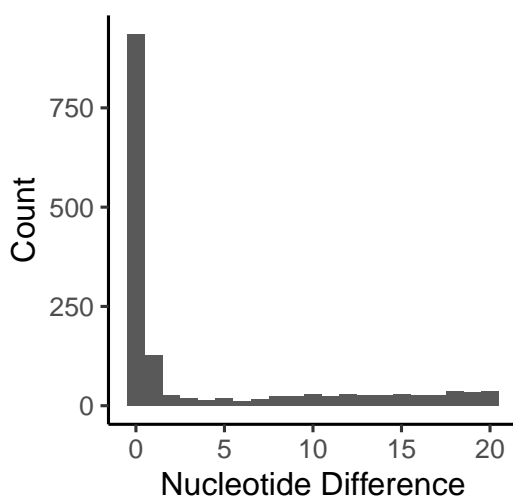
IGHV1-2*04

357 sequences assigned
242 (67.8%) exact matches, in which:
241 unique CDR3
5 unique J



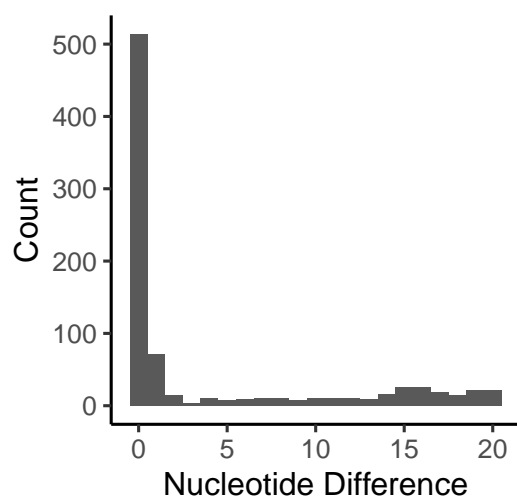
IGHV1-18*01

2043 sequences assigned
936 (45.8%) exact matches, in which:
931 unique CDR3
6 unique J



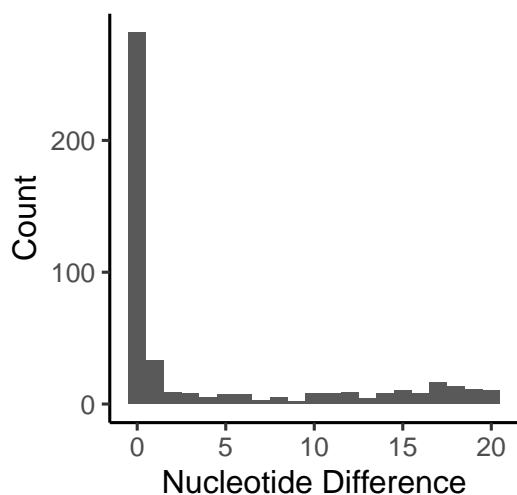
IGHV1-46*01

1300 sequences assigned
514 (39.5%) exact matches, in which:
512 unique CDR3
6 unique J



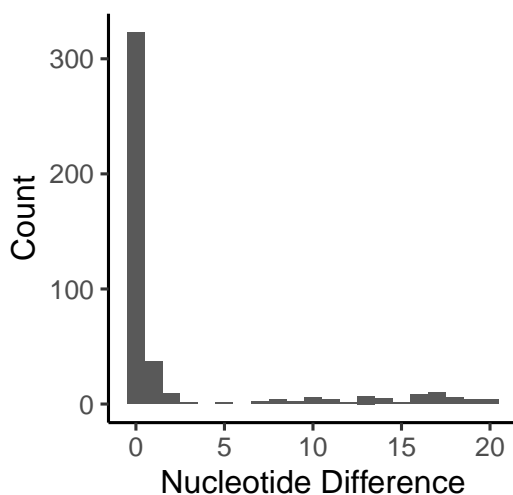
IGHV1-3*01

750 sequences assigned
282 (37.6%) exact matches, in which:
278 unique CDR3
6 unique J



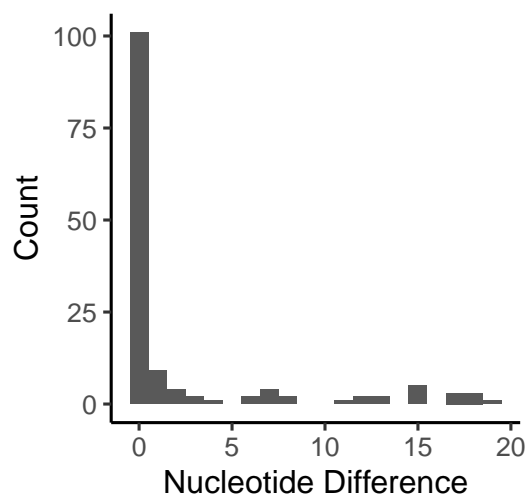
IGHV1-24*01

514 sequences assigned
323 (62.8%) exact matches, in which:
322 unique CDR3
6 unique J



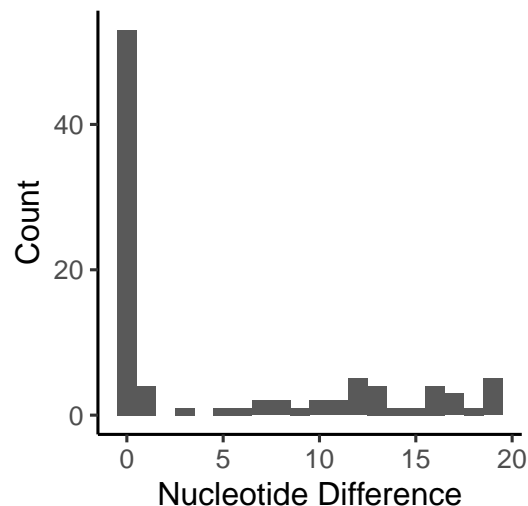
IGHV1-58*02

165 sequences assigned
101 (61.2%) exact matches, in which:
101 unique CDR3
6 unique J



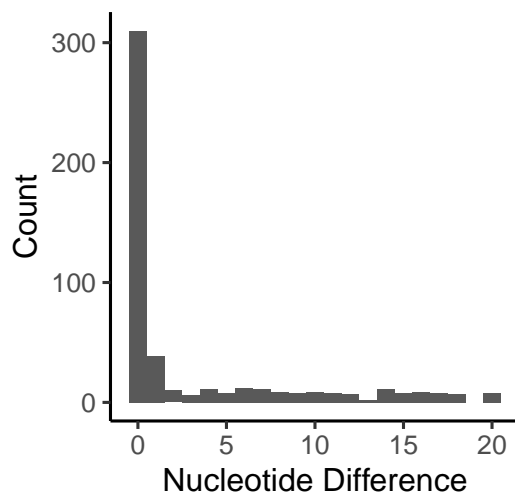
IGHV1-69-2*01

153 sequences assigned
53 (34.6%) exact matches, in which:
53 unique CDR3
4 unique J



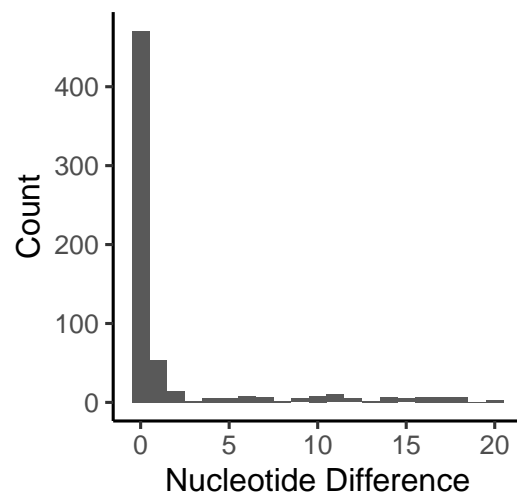
IGHV2-5*01

566 sequences assigned
310 (54.8%) exact matches, in which:
310 unique CDR3
6 unique J



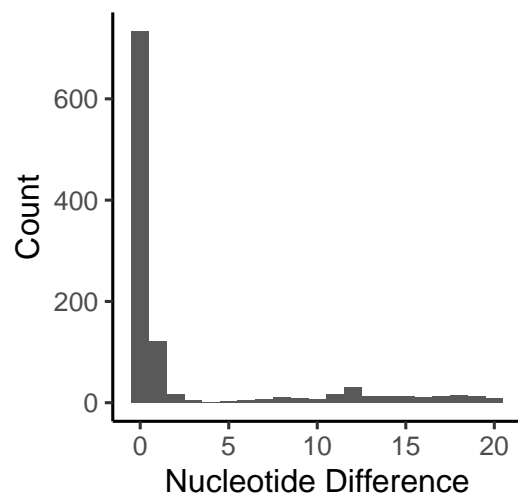
IGHV2-26*01

678 sequences assigned
471 (69.5%) exact matches, in which:
469 unique CDR3
6 unique J



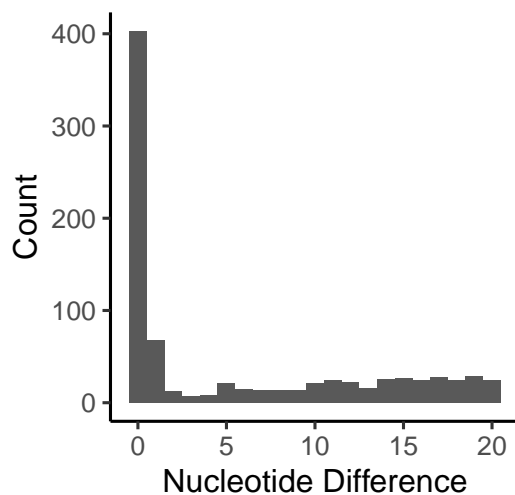
IGHV1-69*06

1324 sequences assigned
734 (55.4%) exact matches, in which:
733 unique CDR3
6 unique J



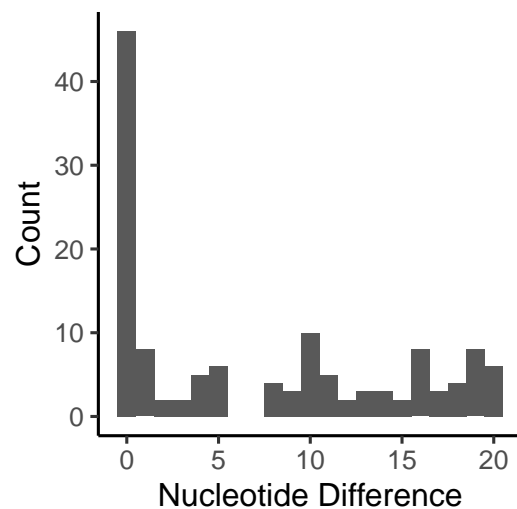
IGHV2-5*02

1046 sequences assigned
403 (38.5%) exact matches, in which:
400 unique CDR3
6 unique J



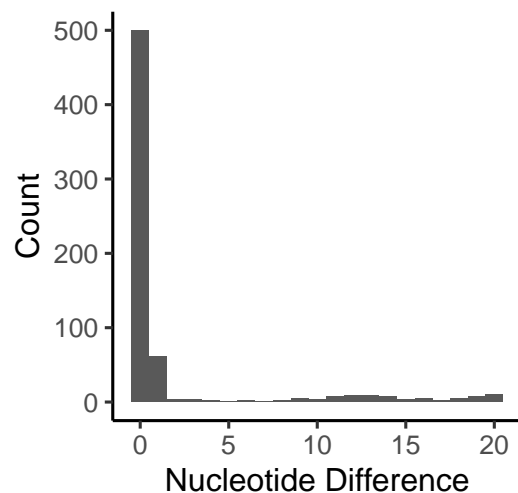
IGHV2-70*01

174 sequences assigned
46 (26.4%) exact matches, in which:
46 unique CDR3
5 unique J



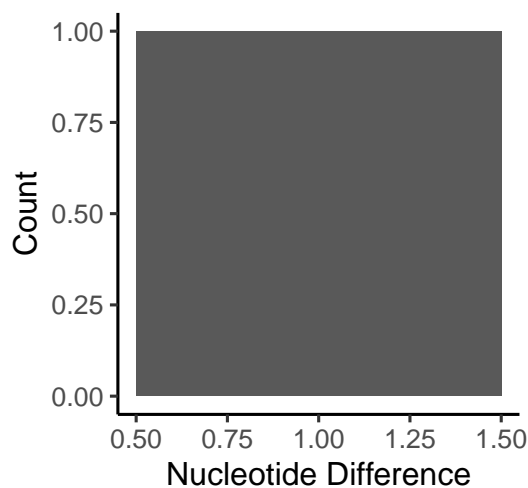
IGHV1-69*08_C191T

800 sequences assigned
500 (62.5%) exact matches, in which:
496 unique CDR3
6 unique J



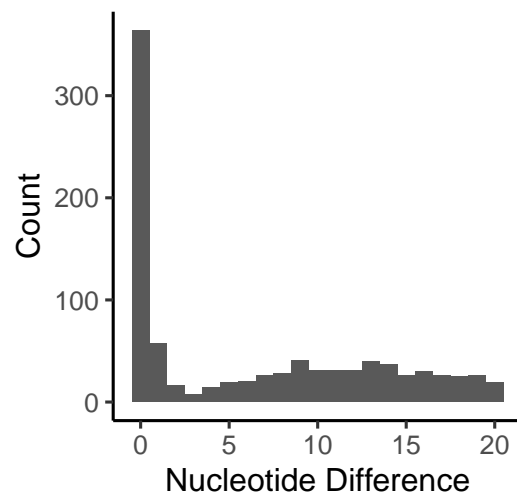
IGHV2-10*01

1 sequences assigned
No exact matches.



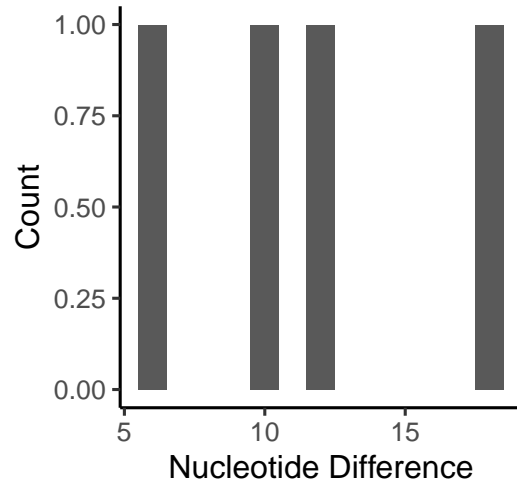
IGHV3-7*01

1210 sequences assigned
364 (30.1%) exact matches, in which:
360 unique CDR3
6 unique J



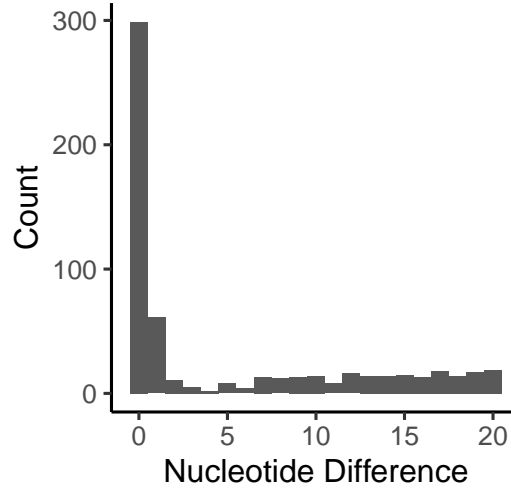
IGHV3-7*03

17 sequences assigned
No exact matches.



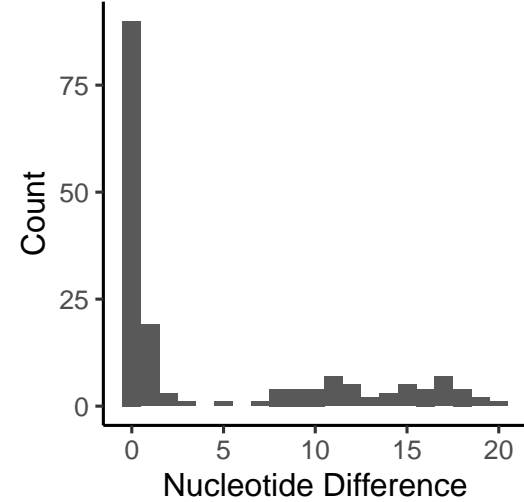
IGHV3-11*01

793 sequences assigned
299 (37.7%) exact matches, in which:
299 unique CDR3
6 unique J



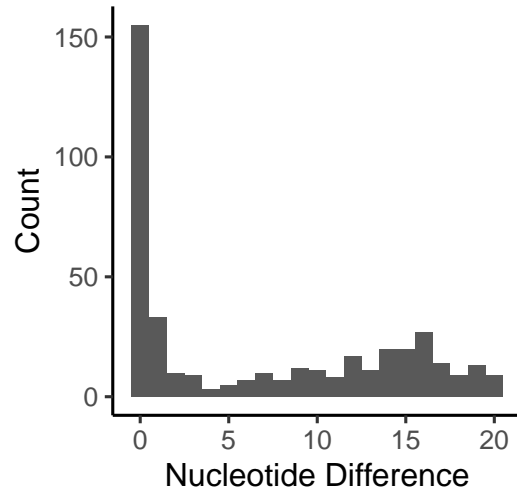
IGHV3-13*01

229 sequences assigned
90 (39.3%) exact matches, in which:
87 unique CDR3
5 unique J



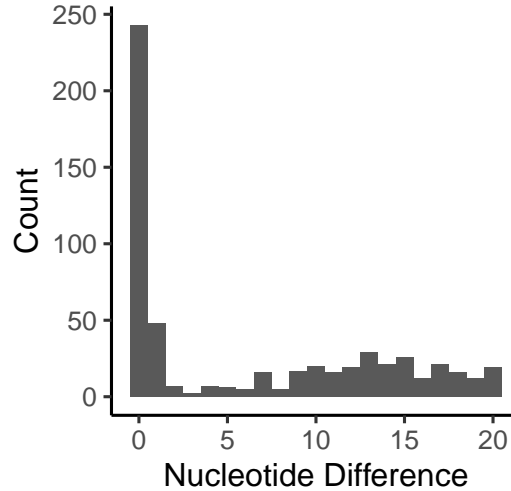
IGHV3-7*04

515 sequences assigned
155 (30.1%) exact matches, in which:
154 unique CDR3
6 unique J



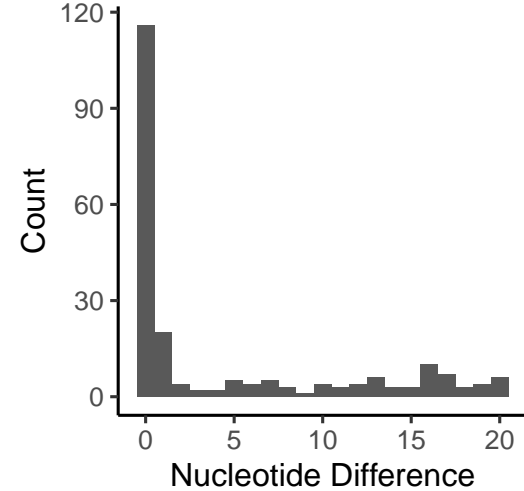
IGHV3-11*05

722 sequences assigned
243 (33.7%) exact matches, in which:
243 unique CDR3
6 unique J



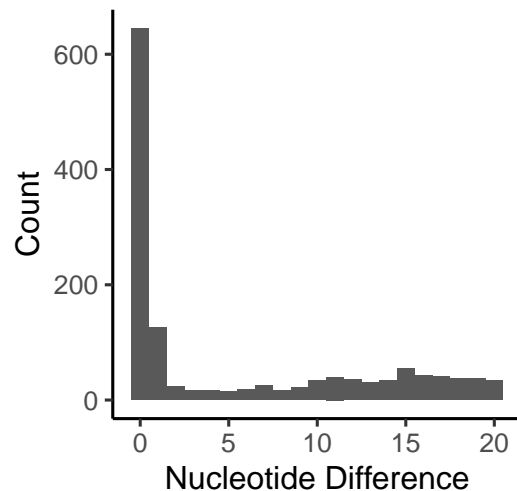
IGHV3-13*04

258 sequences assigned
116 (45%) exact matches, in which:
115 unique CDR3
5 unique J



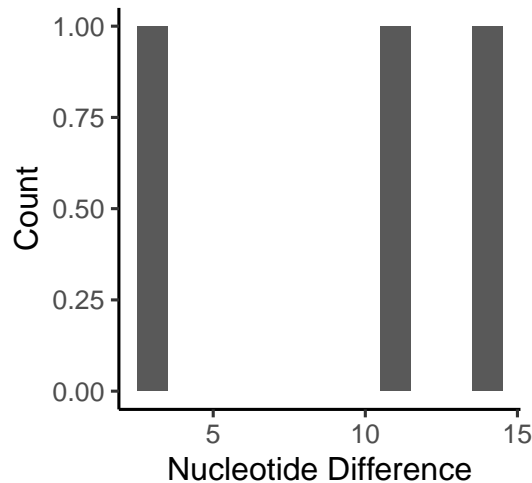
IGHV3-9*01

1682 sequences assigned
645 (38.3%) exact matches, in which:
629 unique CDR3
6 unique J



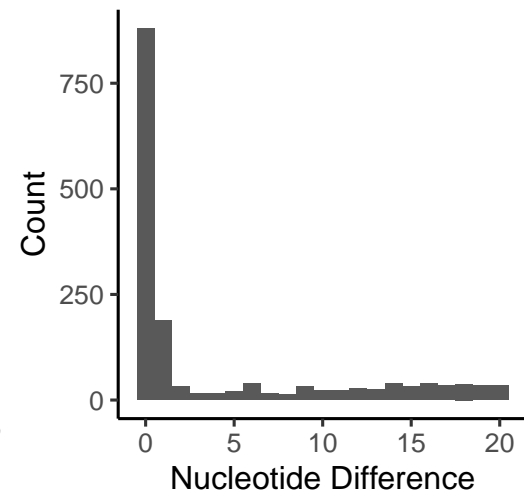
IGHV3-11*06

3 sequences assigned
No exact matches.



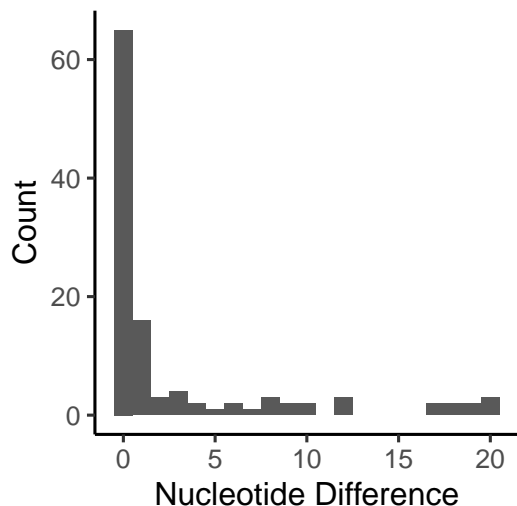
IGHV3-15*01

2119 sequences assigned
880 (41.5%) exact matches, in which:
861 unique CDR3
6 unique J



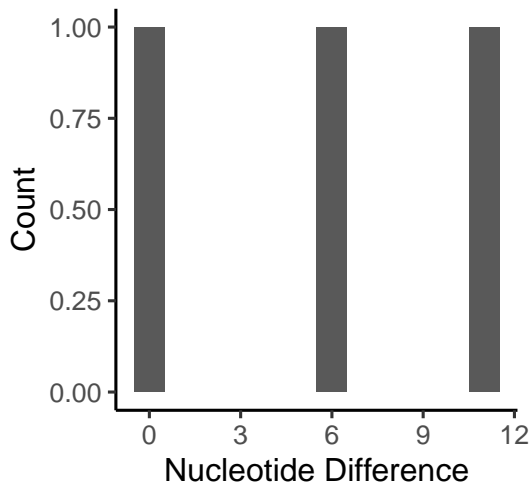
IGHV3-20*01

126 sequences assigned
65 (51.6%) exact matches, in which:
62 unique CDR3
6 unique J



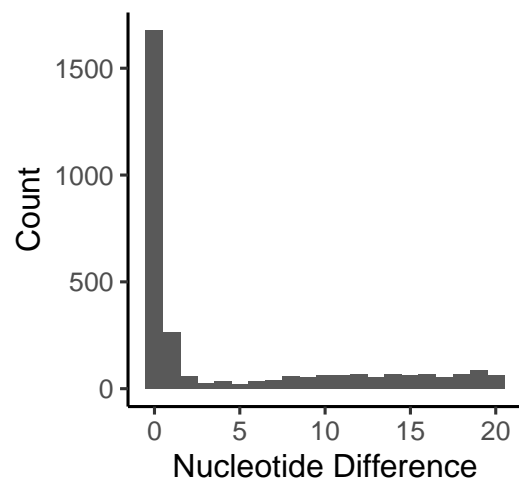
IGHV3-30-3*01

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
1 unique J



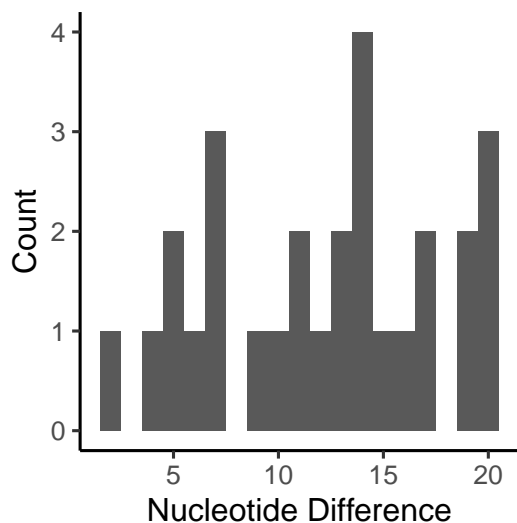
IGHV3-33*01

3753 sequences assigned
1677 (44.7%) exact matches, in which:
1661 unique CDR3
6 unique J



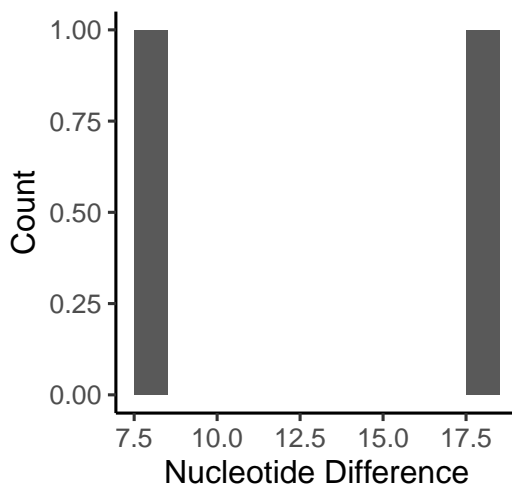
IGHV3-20*04

70 sequences assigned
No exact matches.



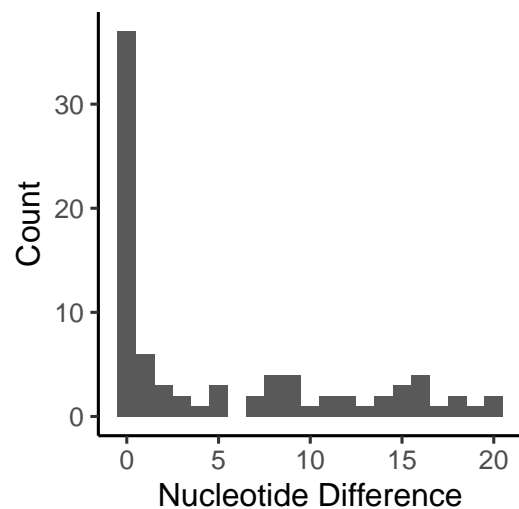
IGHV3-30-3*02

4 sequences assigned
No exact matches.



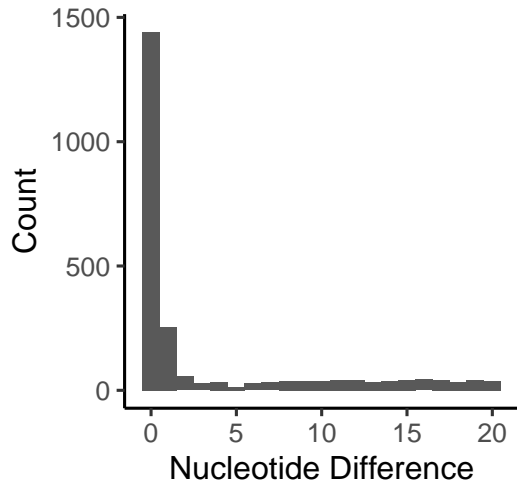
IGHV3-43*01

122 sequences assigned
37 (30.3%) exact matches, in which:
37 unique CDR3
4 unique J



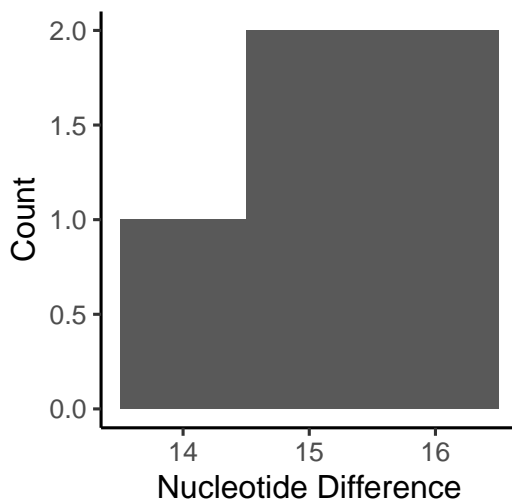
IGHV3-21*01

2957 sequences assigned
1441 (48.7%) exact matches, in which:
1427 unique CDR3
6 unique J



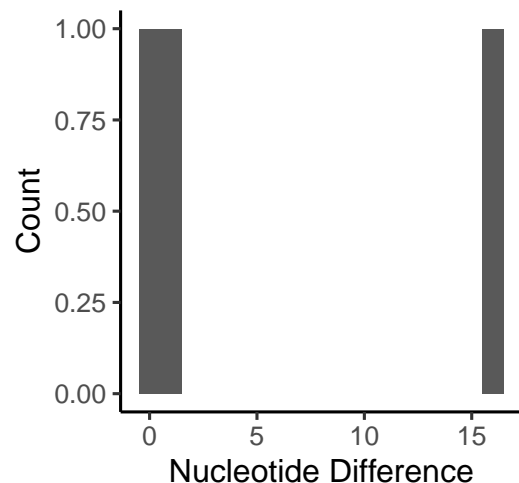
IGHV3-30-3*03

18 sequences assigned
No exact matches.



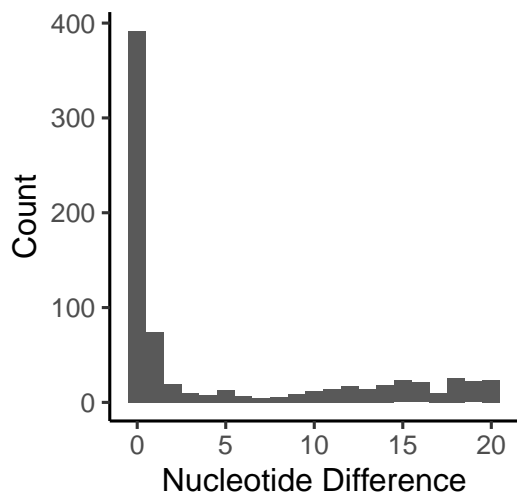
IGHV3-47*02

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



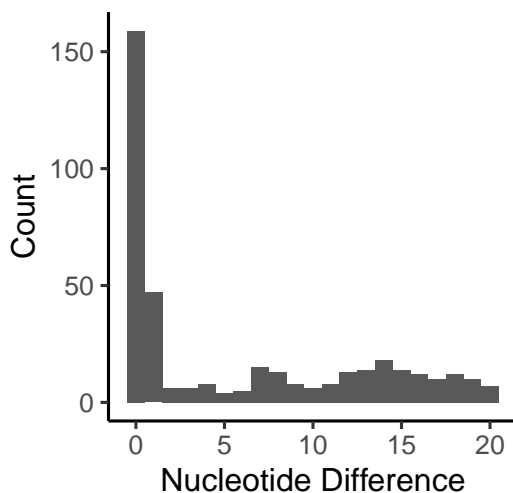
IGHV3-48*02

992 sequences assigned
392 (39.5%) exact matches, in which:
385 unique CDR3
6 unique J



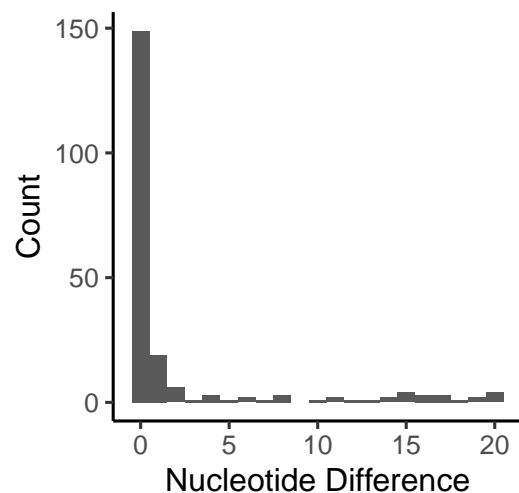
IGHV3-49*04

577 sequences assigned
159 (27.6%) exact matches, in which:
157 unique CDR3
5 unique J



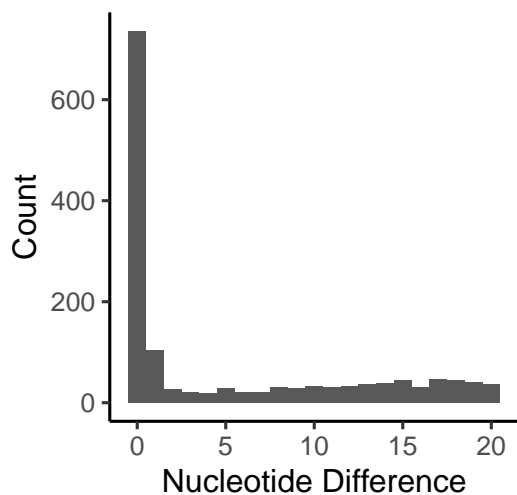
IGHV3-53*04

262 sequences assigned
149 (56.9%) exact matches, in which:
149 unique CDR3
5 unique J



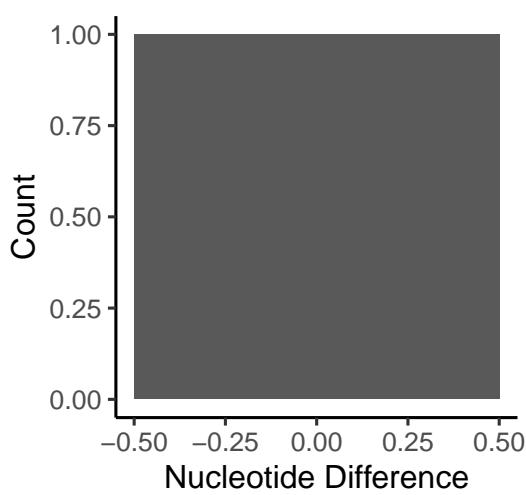
IGHV3-48*03

1864 sequences assigned
736 (39.5%) exact matches, in which:
729 unique CDR3
6 unique J



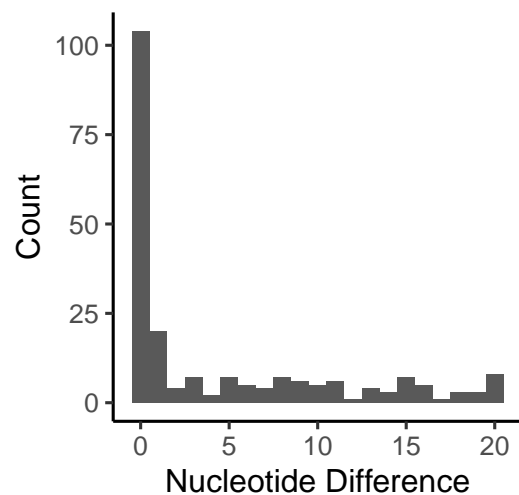
IGHV3-52*01

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



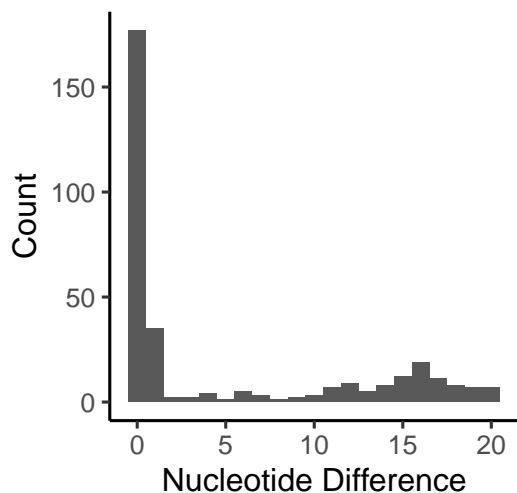
IGHV3-64*01

270 sequences assigned
104 (38.5%) exact matches, in which:
103 unique CDR3
6 unique J



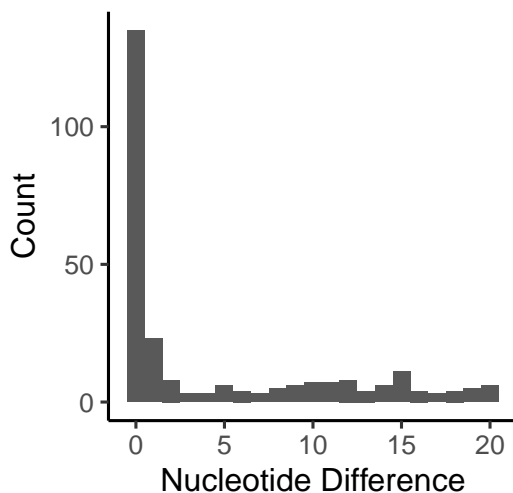
IGHV3-49*03

403 sequences assigned
177 (43.9%) exact matches, in which:
177 unique CDR3
6 unique J



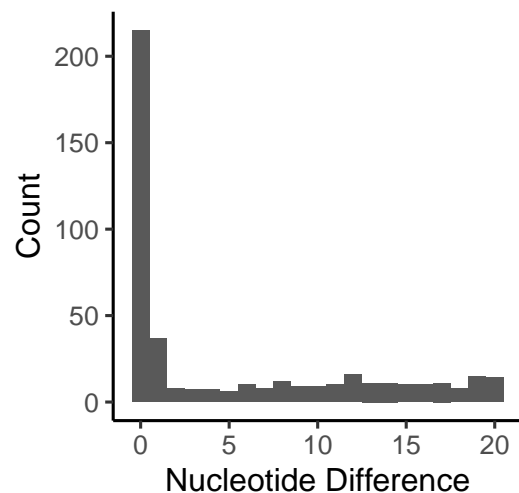
IGHV3-53*02

354 sequences assigned
135 (38.1%) exact matches, in which:
135 unique CDR3
6 unique J



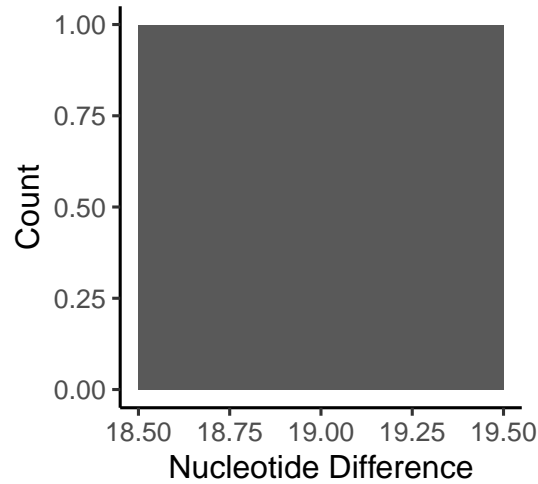
IGHV3-66*02

532 sequences assigned
215 (40.4%) exact matches, in which:
214 unique CDR3
6 unique J



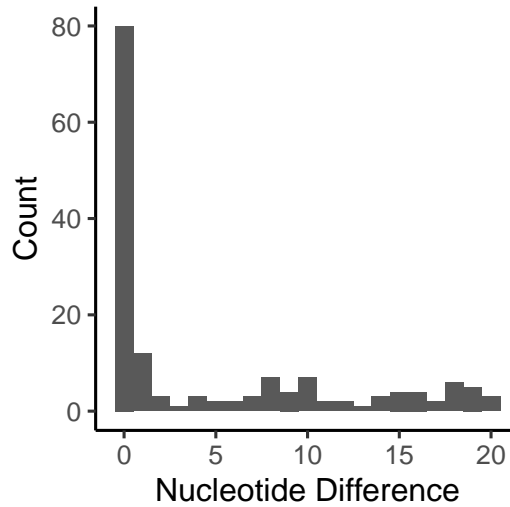
IGHV3-69-1*02

5 sequences assigned
No exact matches.



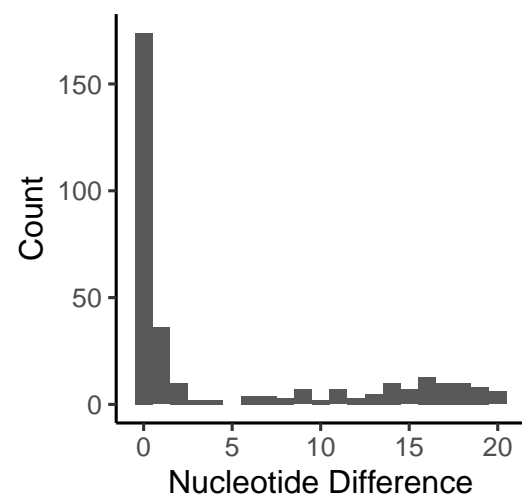
IGHV3-73*02

219 sequences assigned
80 (36.5%) exact matches, in which:
80 unique CDR3
5 unique J



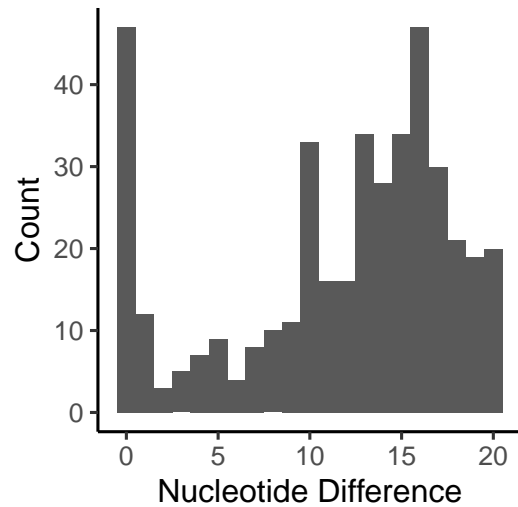
IGHV3-64D*06

514 sequences assigned
174 (33.9%) exact matches, in which:
171 unique CDR3
6 unique J



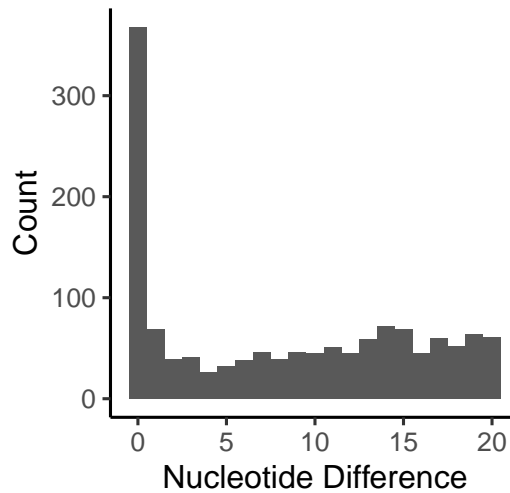
IGHV3-72*01

632 sequences assigned
47 (7.4%) exact matches, in which:
46 unique CDR3
4 unique J



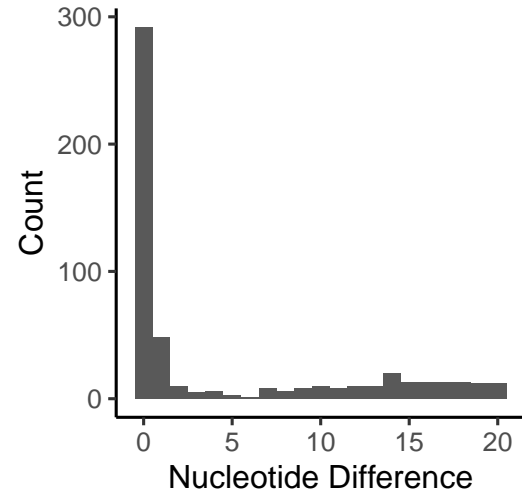
IGHV3-74*01

1934 sequences assigned
368 (19%) exact matches, in which:
360 unique CDR3
6 unique J



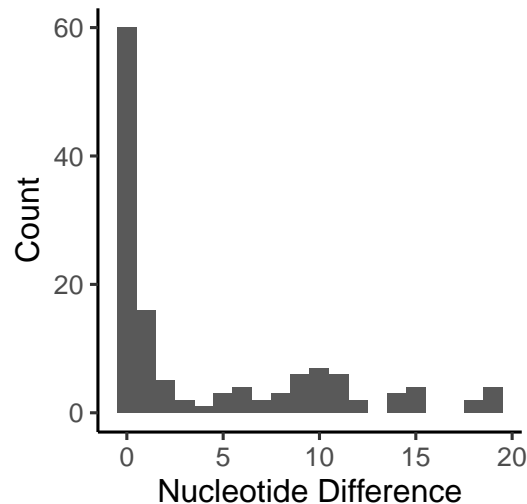
IGHV4-4*02

672 sequences assigned
292 (43.5%) exact matches, in which:
284 unique CDR3
6 unique J



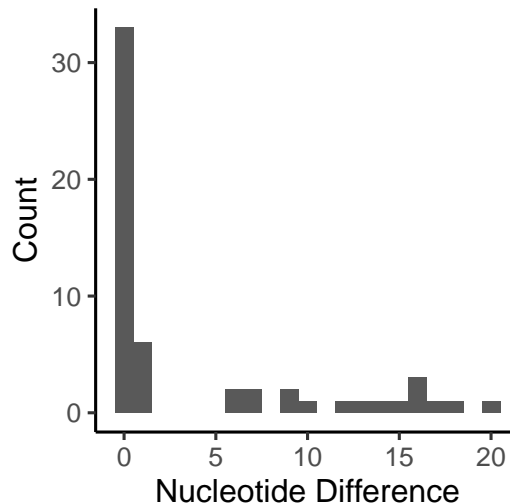
IGHV3-73*01

161 sequences assigned
60 (37.3%) exact matches, in which:
60 unique CDR3
5 unique J



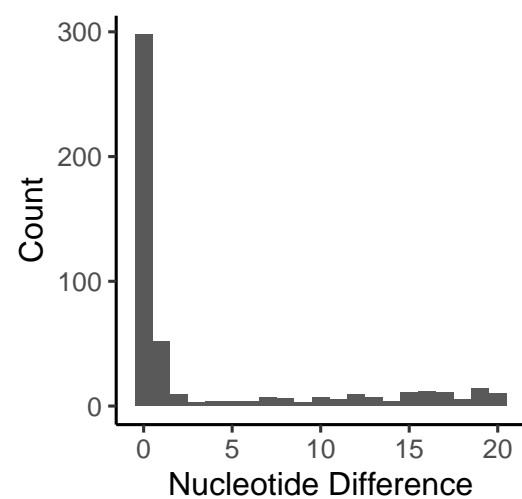
IGHV3-43D*04

66 sequences assigned
33 (50%) exact matches, in which:
32 unique CDR3
3 unique J



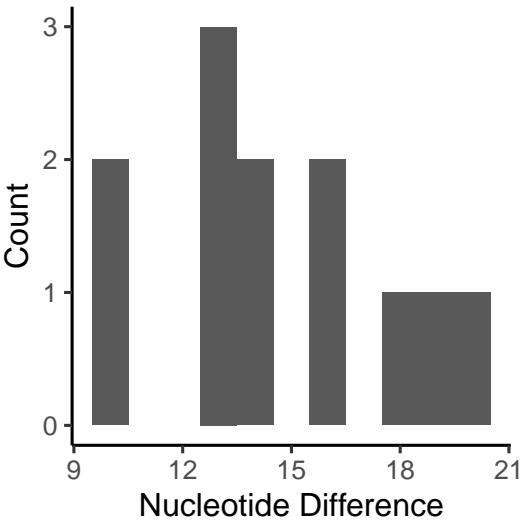
IGHV4-4*07

608 sequences assigned
298 (49%) exact matches, in which:
296 unique CDR3
6 unique J



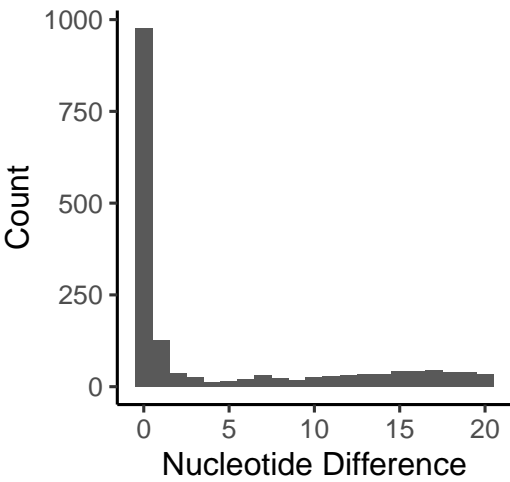
IGHV4-4*08

31 sequences assigned
No exact matches.



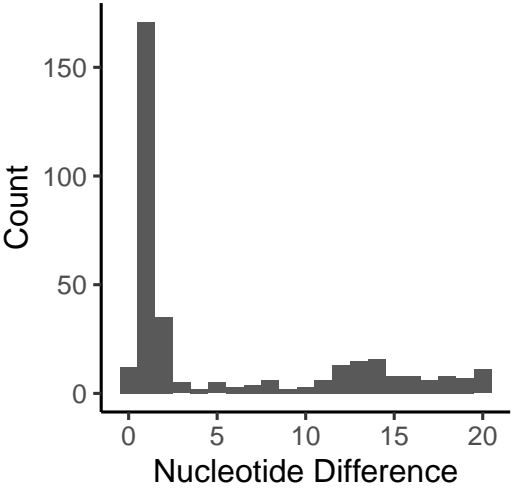
IGHV4-31*03

2171 sequences assigned
976 (45%) exact matches, in which:
970 unique CDR3
6 unique J



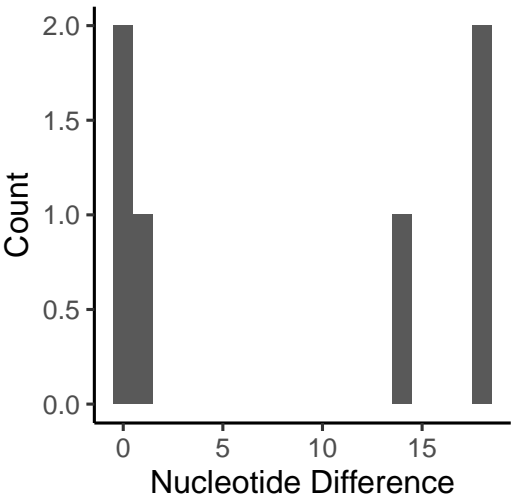
IGHV4-38-2*02

483 sequences assigned
12 (2.5%) exact matches, in which:
12 unique CDR3
5 unique J



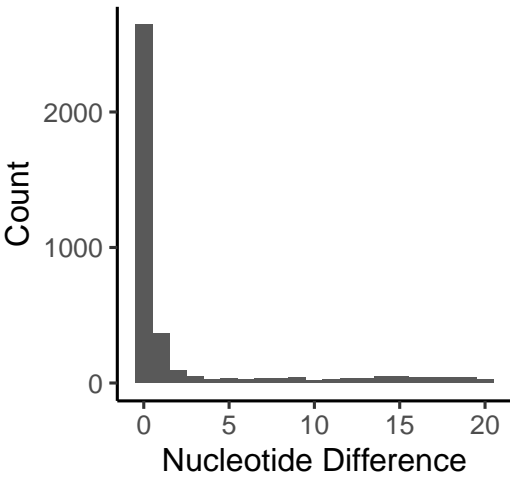
IGHV4-28*01

8 sequences assigned
2 (25%) exact matches, in which:
2 unique CDR3
2 unique J



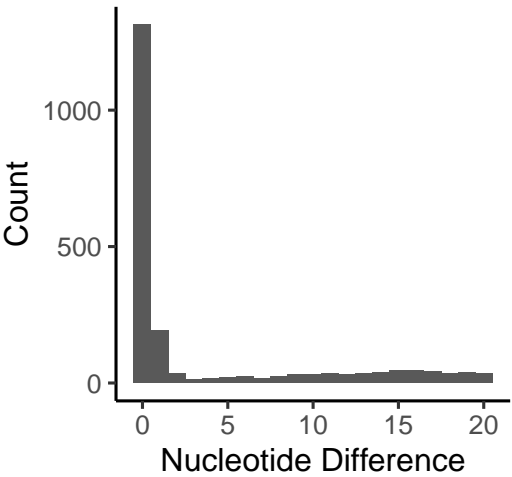
IGHV4-34*01

4165 sequences assigned
2644 (63.5%) exact matches, in which:
2634 unique CDR3
6 unique J



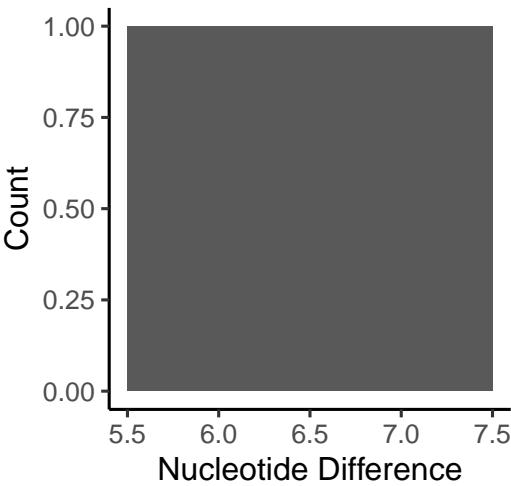
IGHV4-39*01

2828 sequences assigned
1313 (46.4%) exact matches, in which:
1299 unique CDR3
6 unique J



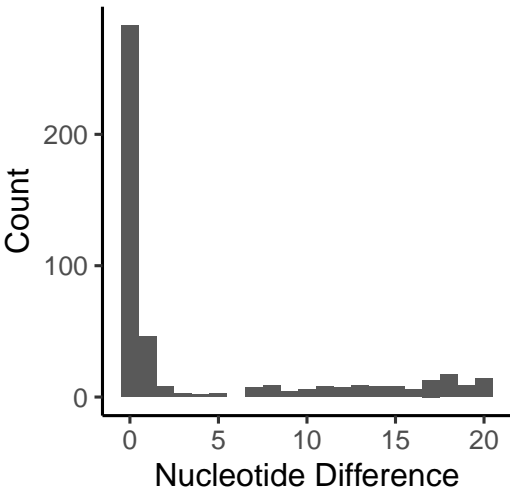
IGHV4-30-4*01

10 sequences assigned
No exact matches.



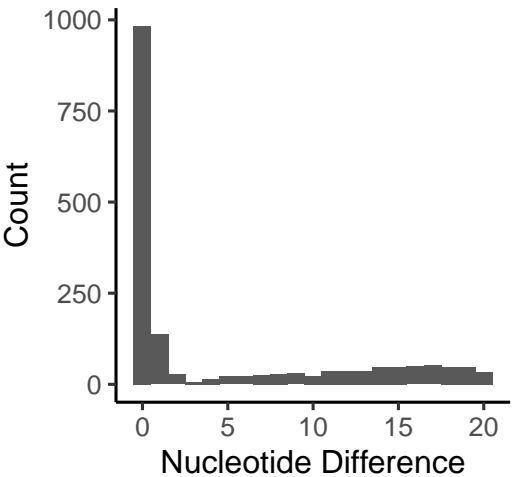
IGHV4-38-2*01

668 sequences assigned
283 (42.4%) exact matches, in which:
283 unique CDR3
6 unique J



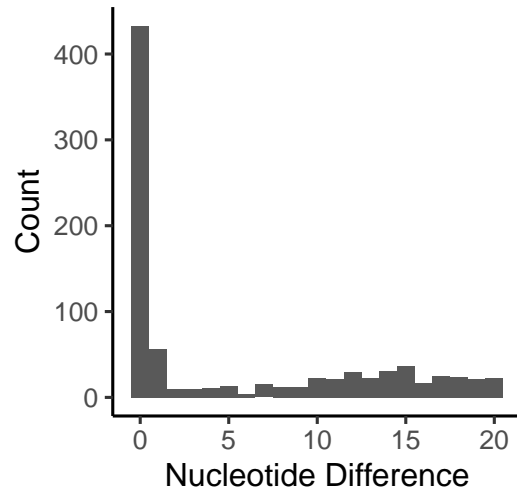
IGHV4-59*01

2337 sequences assigned
983 (42.1%) exact matches, in which:
975 unique CDR3
6 unique J



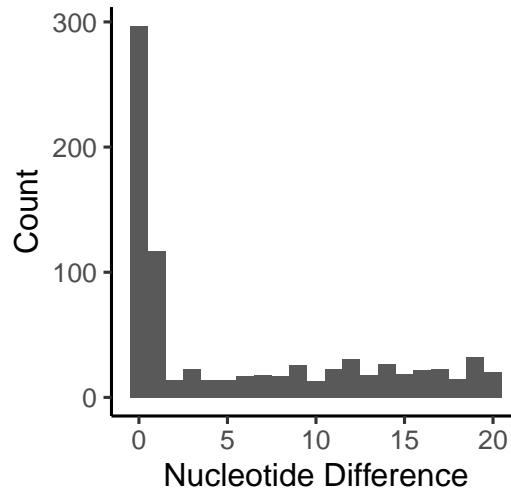
IGHV4–59*08

1160 sequences assigned
433 (37.3%) exact matches, in which:
431 unique CDR3
6 unique J



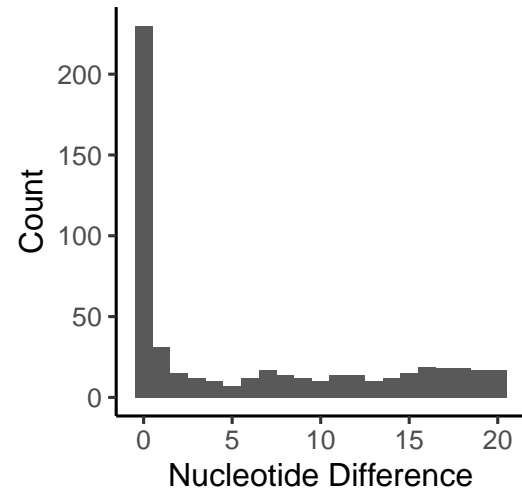
IGHV5–51*01

1080 sequences assigned
297 (27.5%) exact matches, in which:
292 unique CDR3
6 unique J



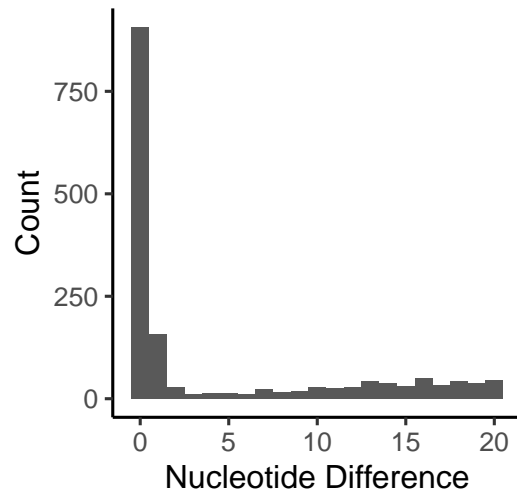
IGHV6–1*01

584 sequences assigned
230 (39.4%) exact matches, in which:
230 unique CDR3
5 unique J



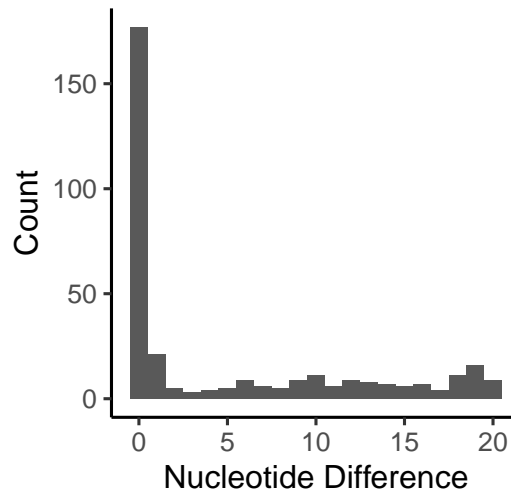
IGHV4–61*02

2120 sequences assigned
907 (42.8%) exact matches, in which:
902 unique CDR3
6 unique J



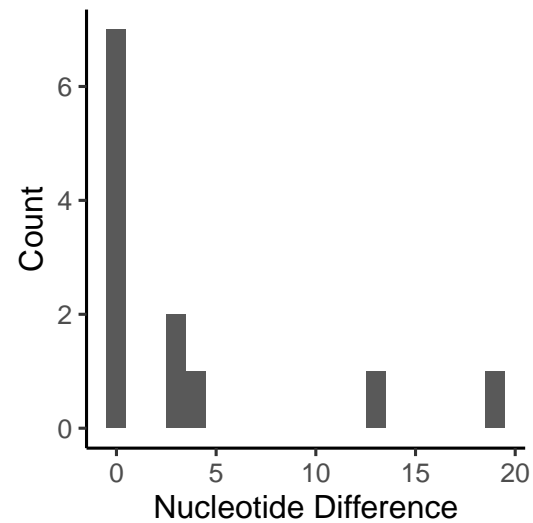
IGHV5–51*03

532 sequences assigned
177 (33.3%) exact matches, in which:
175 unique CDR3
6 unique J



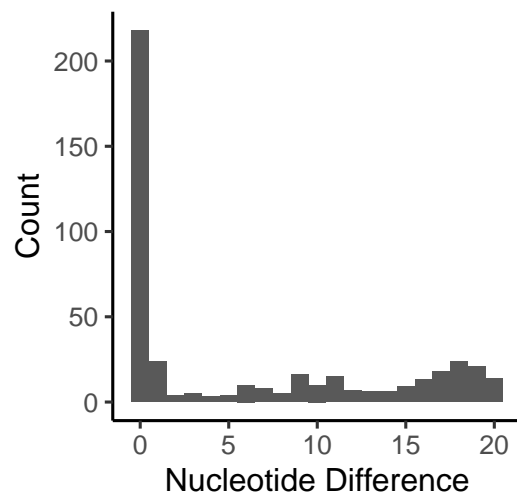
IGHV7–4–1*01

13 sequences assigned
7 (53.8%) exact matches, in which:
7 unique CDR3
2 unique J



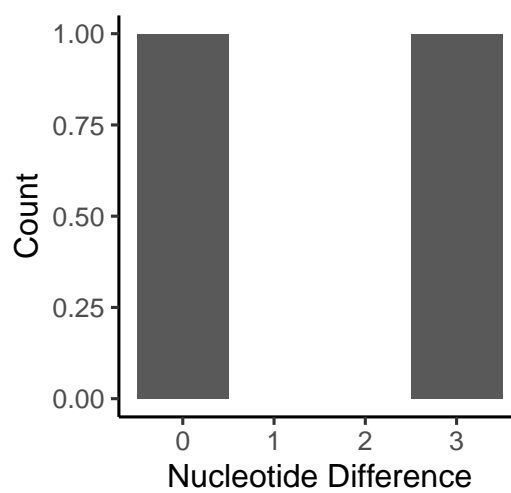
IGHV5–10–1*01

587 sequences assigned
218 (37.1%) exact matches, in which:
212 unique CDR3
6 unique J



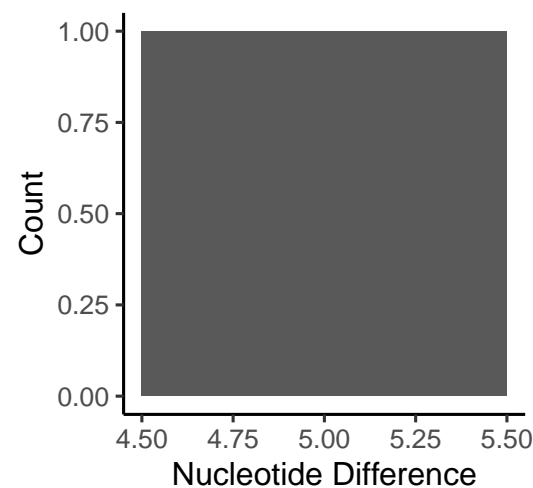
IGHV5–78*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



IGHV7–81*01

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.