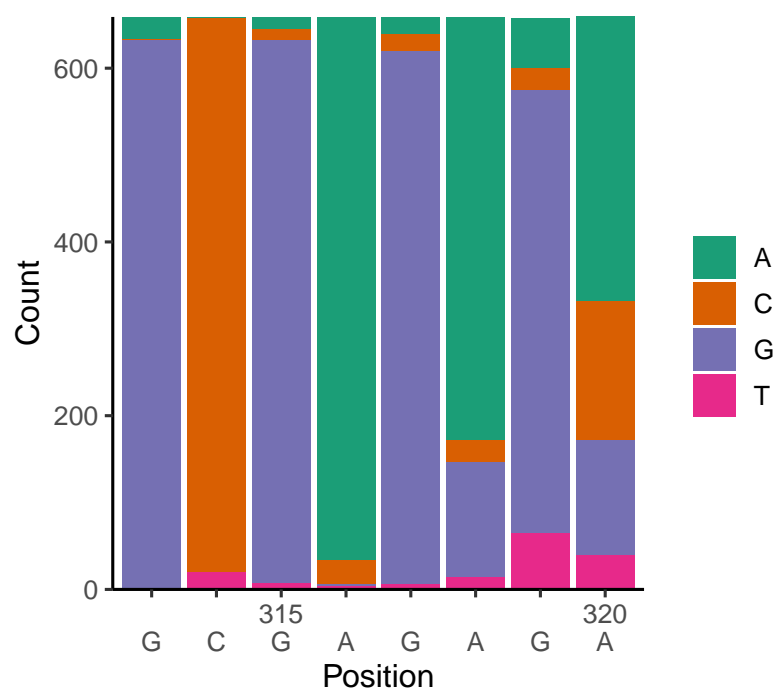
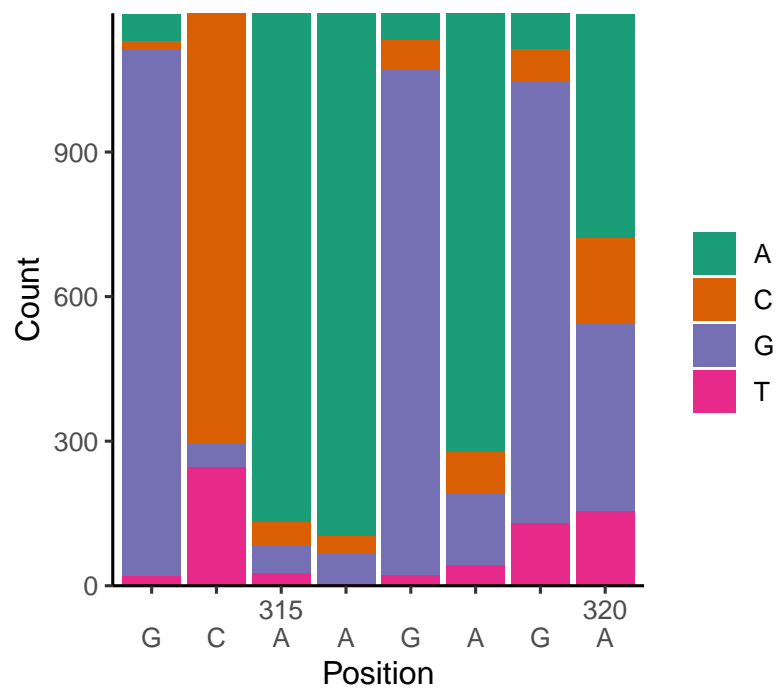


Gene IGHV3-30*03_T288C



Gene IGHV3-74*01_02_G297A



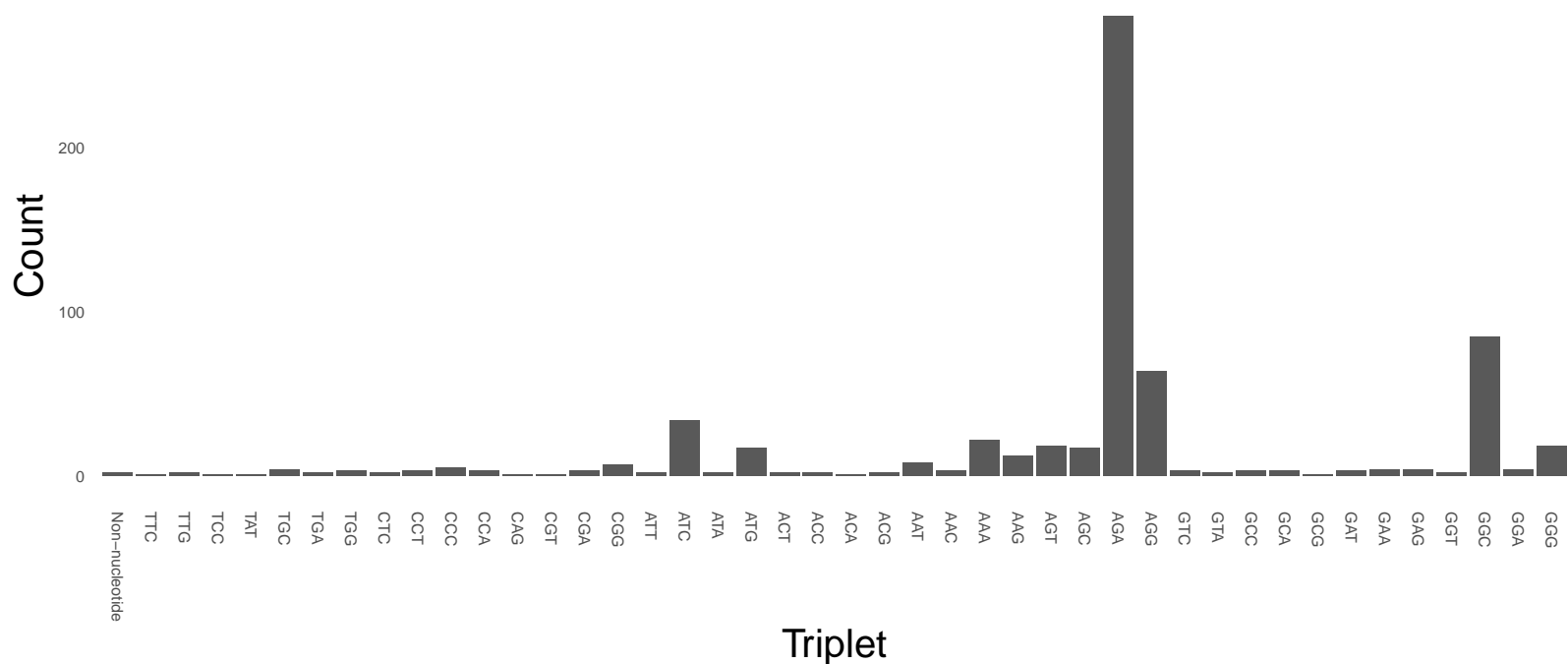
Gene IGHV3-30*03_T288C



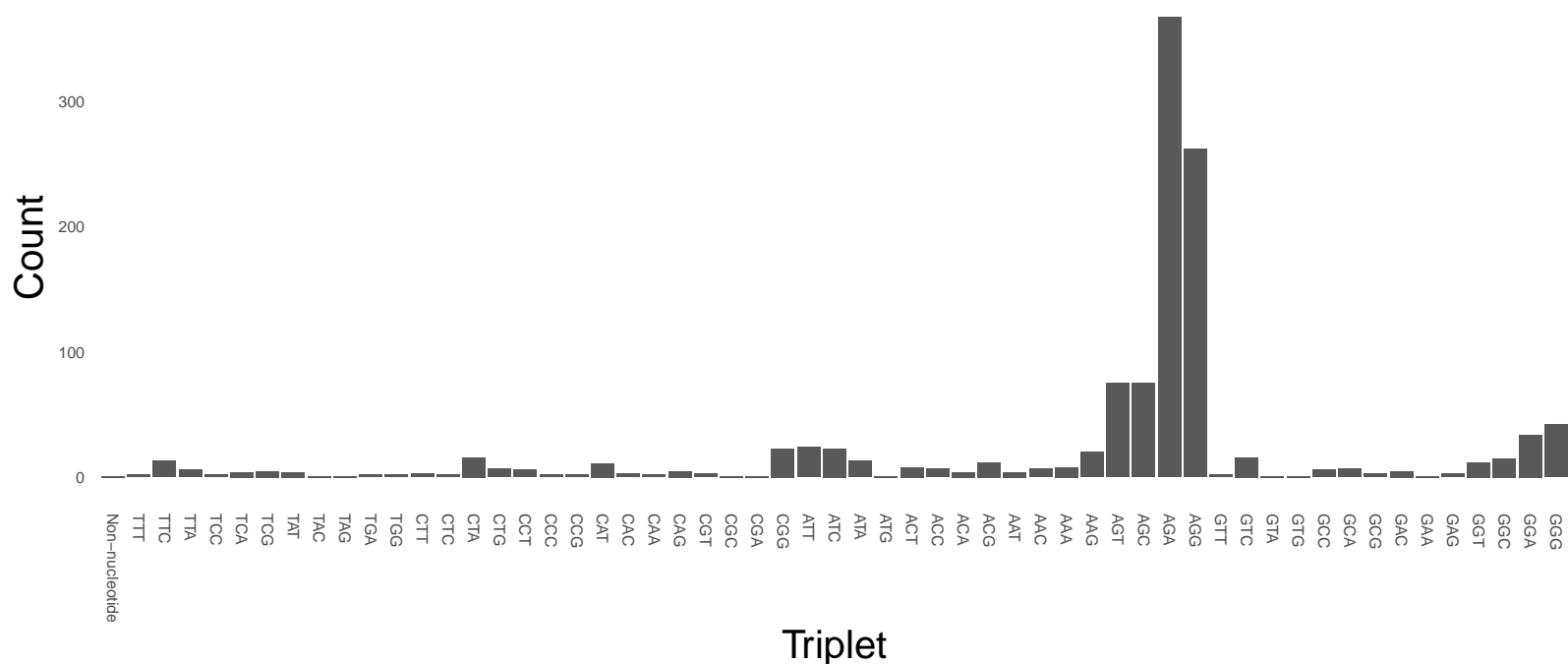
Gene IGHV3-74*01_02_G297A



IGHV3–30*03_T288C– Final 3 nucleotides as a triplet

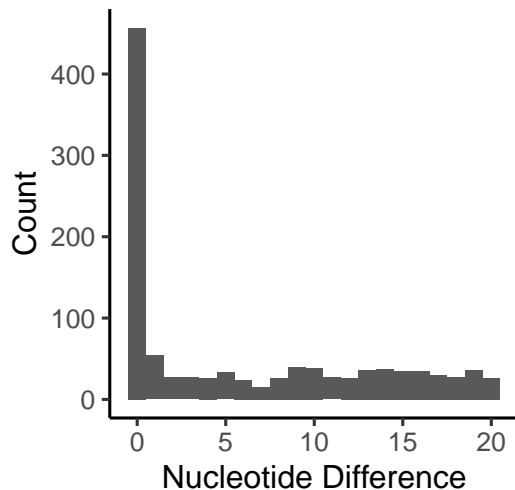


IGHV3–74*01_02_G297A– Final 3 nucleotides as a triplet



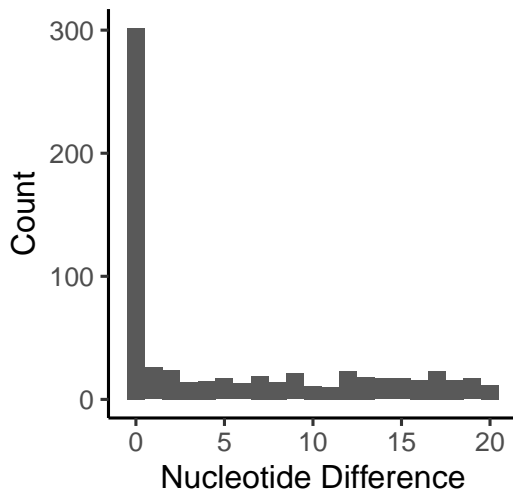
IGHV1-2*02

1277 sequences assigned
457 (35.8%) exact matches, in which:
455 unique CDR3
6 unique J



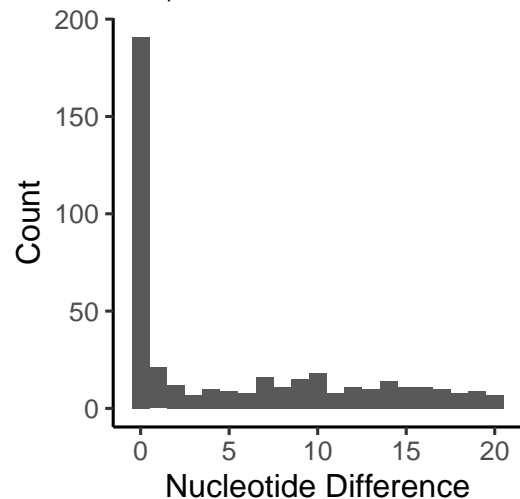
IGHV1-8*01

694 sequences assigned
302 (43.5%) exact matches, in which:
298 unique CDR3
6 unique J



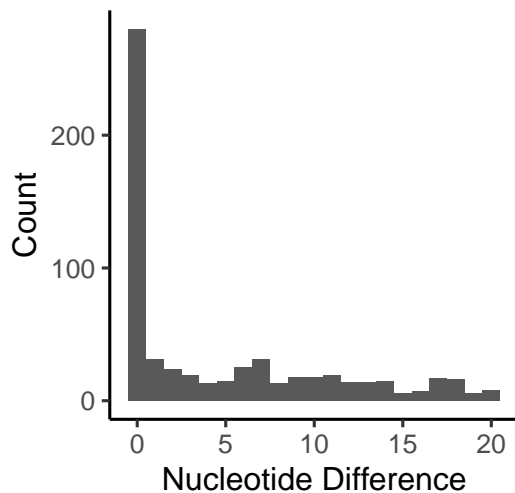
IGHV1-46*01

506 sequences assigned
191 (37.7%) exact matches, in which:
190 unique CDR3
5 unique J



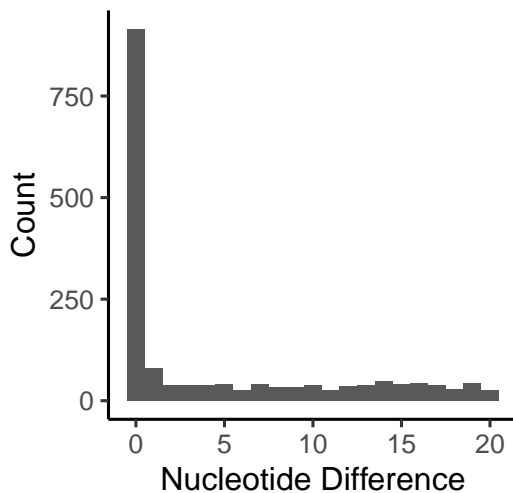
IGHV1-2*06

684 sequences assigned
280 (40.9%) exact matches, in which:
273 unique CDR3
6 unique J



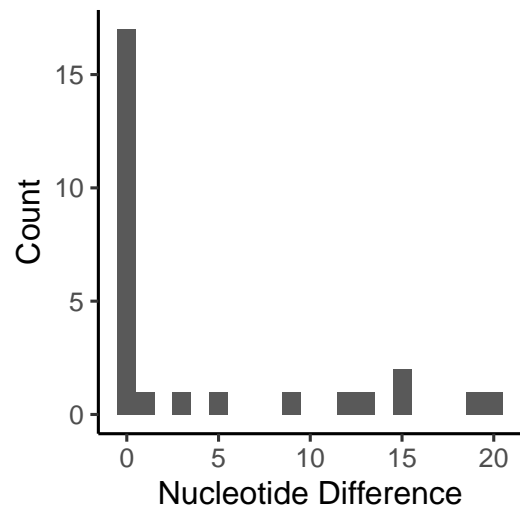
IGHV1-18*01

1901 sequences assigned
915 (48.1%) exact matches, in which:
905 unique CDR3
6 unique J



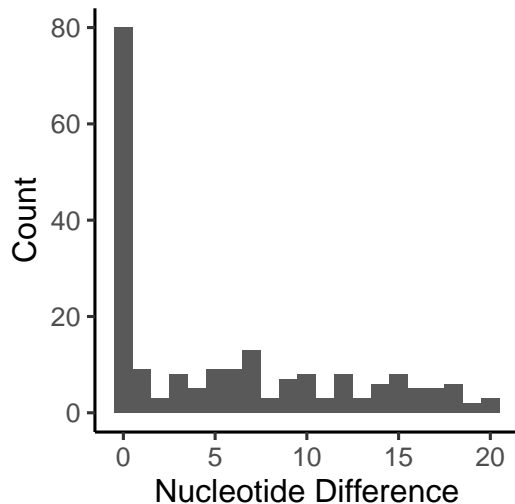
IGHV1-58*02

32 sequences assigned
17 (53.1%) exact matches, in which:
17 unique CDR3
5 unique J



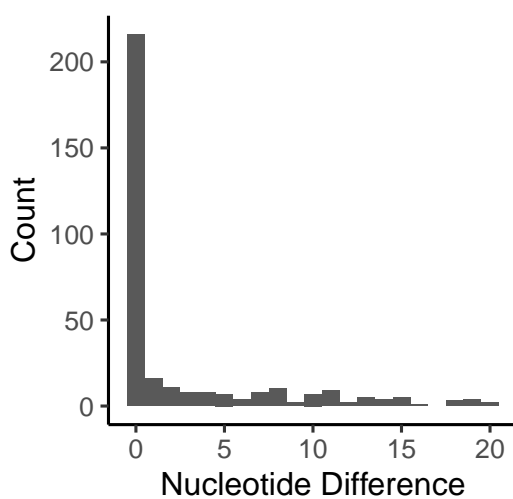
IGHV1-3*01_05

218 sequences assigned
80 (36.7%) exact matches, in which:
80 unique CDR3
6 unique J



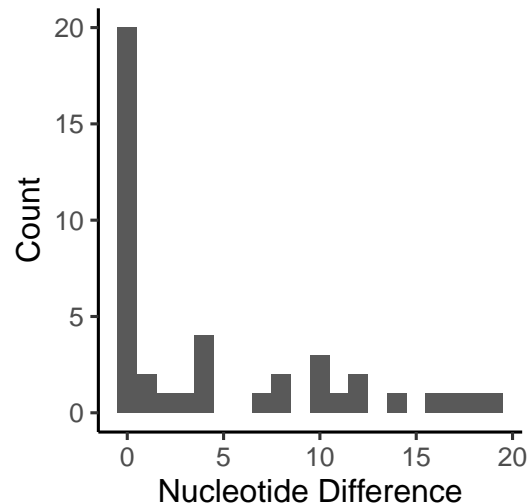
IGHV1-24*01

355 sequences assigned
216 (60.8%) exact matches, in which:
216 unique CDR3
6 unique J



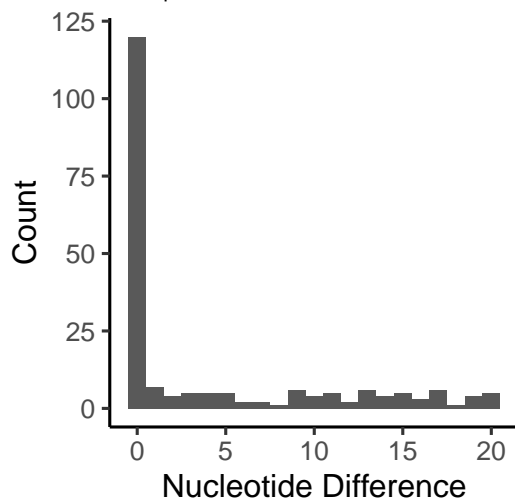
IGHV1-58*01_03

42 sequences assigned
20 (47.6%) exact matches, in which:
20 unique CDR3
4 unique J



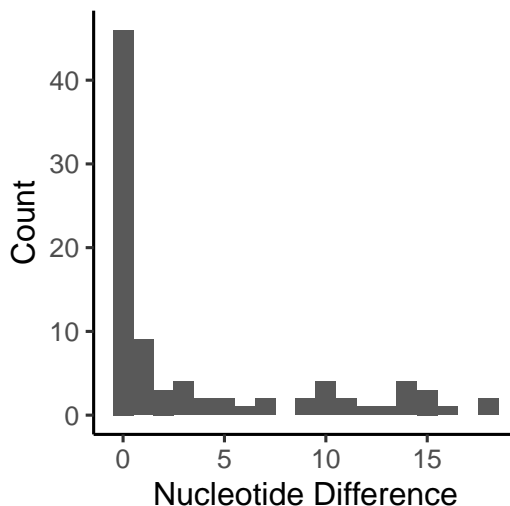
IGHV1–69*04_09

254 sequences assigned
120 (47.2%) exact matches, in which:
119 unique CDR3
6 unique J



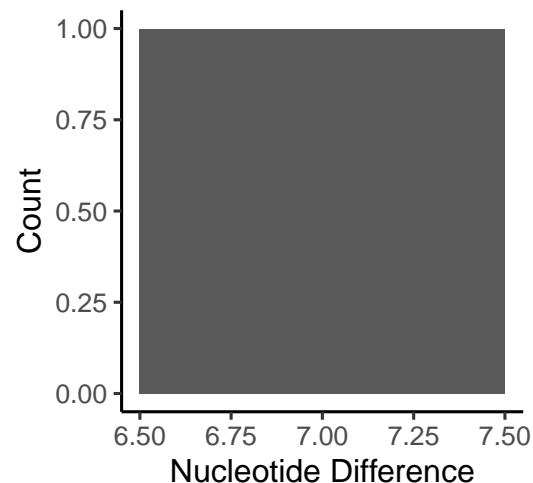
IGHV2–26*01

98 sequences assigned
46 (46.9%) exact matches, in which:
45 unique CDR3
6 unique J



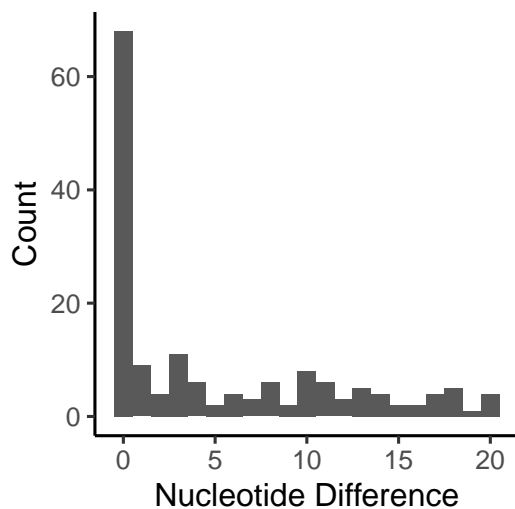
IGHV2–70D*04

1 sequences assigned
No exact matches.



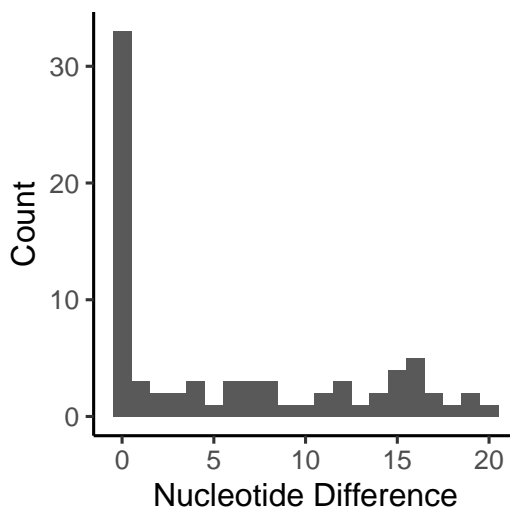
IGHV2–5*01

169 sequences assigned
68 (40.2%) exact matches, in which:
68 unique CDR3
6 unique J



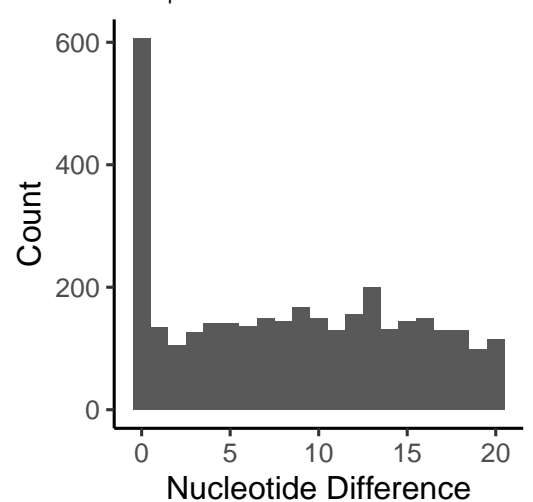
IGHV2–70*01

84 sequences assigned
33 (39.3%) exact matches, in which:
33 unique CDR3
5 unique J



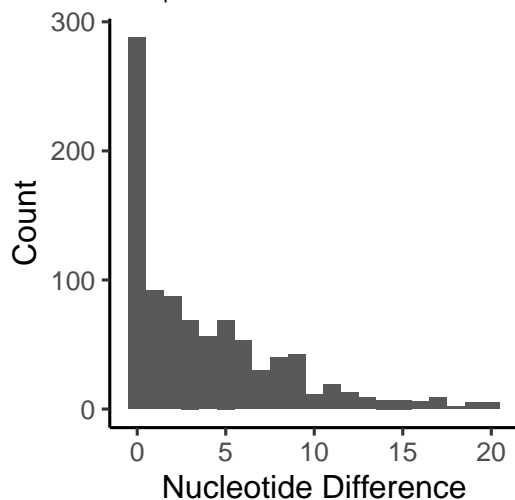
IGHV3–7*01

3777 sequences assigned
607 (16.1%) exact matches, in which:
487 unique CDR3
6 unique J



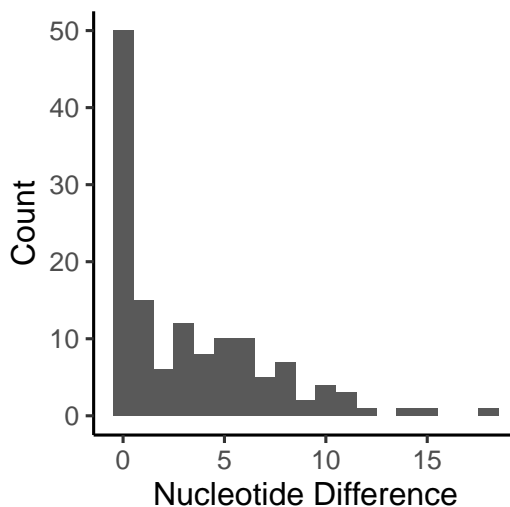
IGHV2–5*02

942 sequences assigned
288 (30.6%) exact matches, in which:
262 unique CDR3
6 unique J



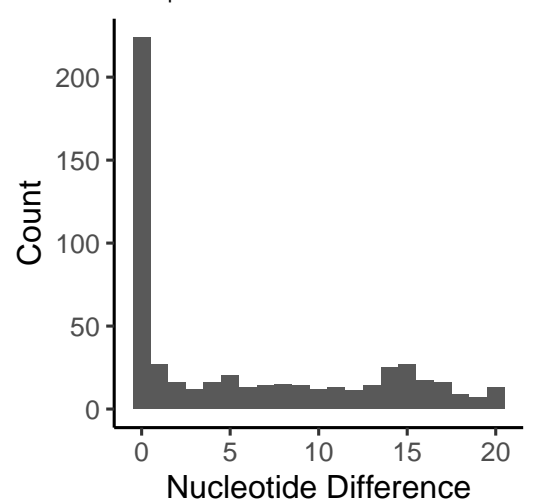
IGHV2–70*11_15

137 sequences assigned
50 (36.5%) exact matches, in which:
49 unique CDR3
5 unique J



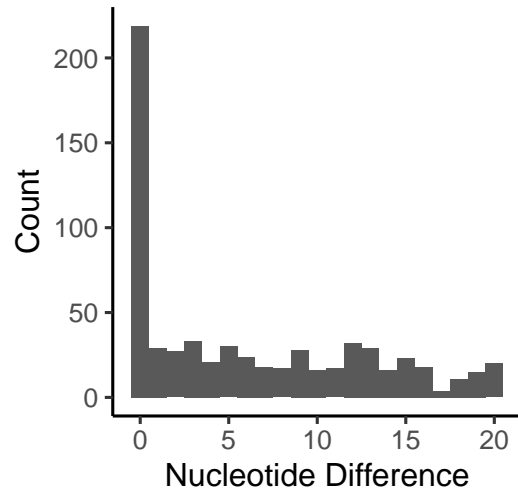
IGHV3–9*01

615 sequences assigned
224 (36.4%) exact matches, in which:
197 unique CDR3
6 unique J



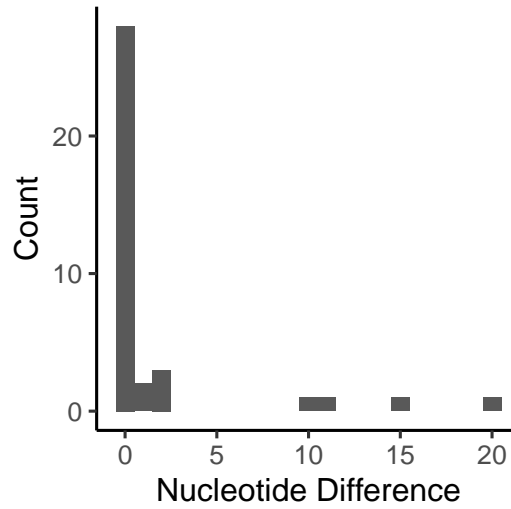
IGHV3-11*01

722 sequences assigned
219 (30.3%) exact matches, in which:
184 unique CDR3
6 unique J



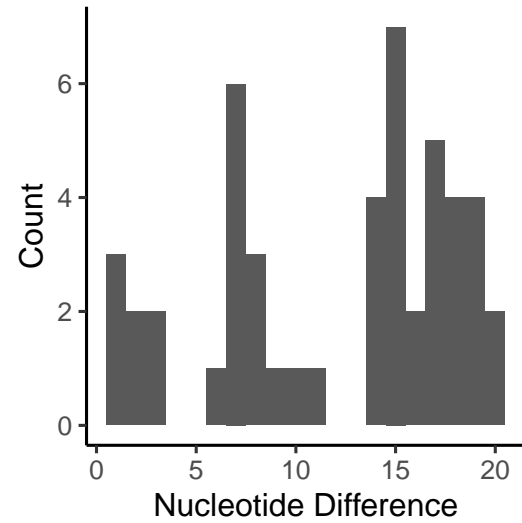
IGHV3-13*05

39 sequences assigned
28 (71.8%) exact matches, in which:
26 unique CDR3
5 unique J



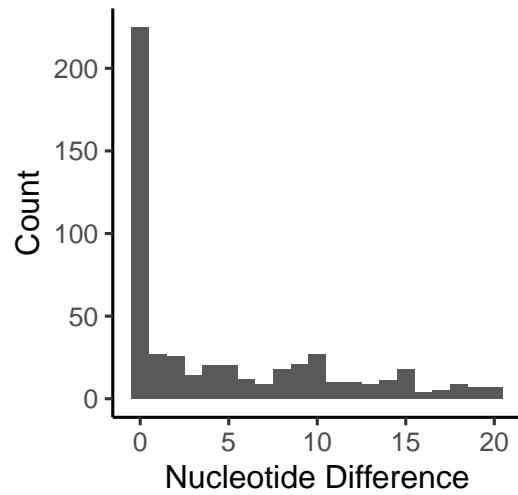
IGHV3-20*03_04

77 sequences assigned
No exact matches.



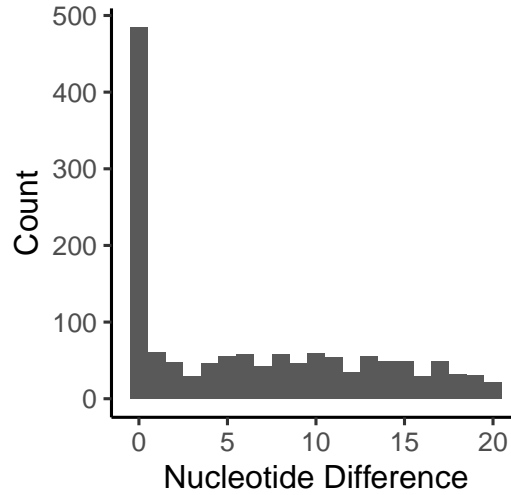
IGHV3-11*06

576 sequences assigned
225 (39.1%) exact matches, in which:
179 unique CDR3
6 unique J



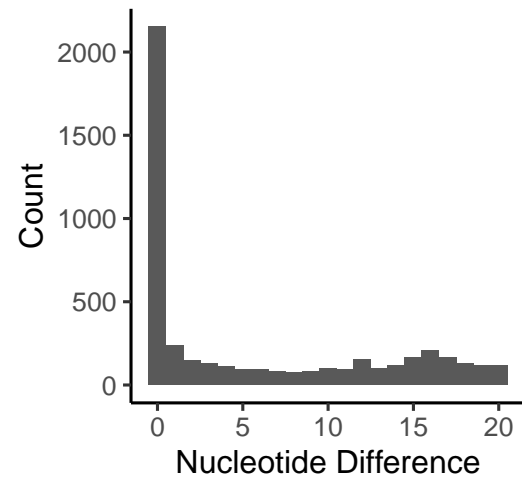
IGHV3-15*01_02

1614 sequences assigned
485 (30%) exact matches, in which:
394 unique CDR3
6 unique J



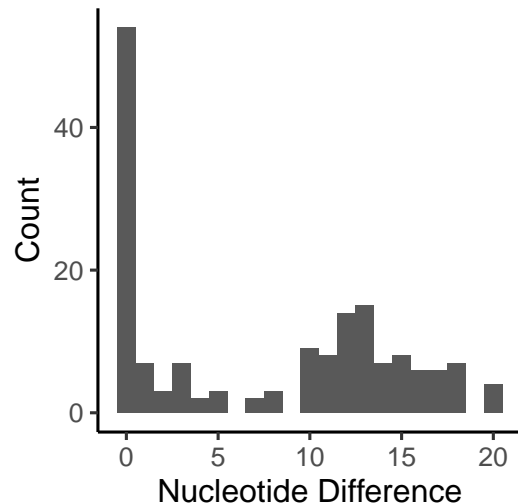
IGHV3-21*01_02

5412 sequences assigned
2152 (39.8%) exact matches, in which:
1555 unique CDR3
6 unique J



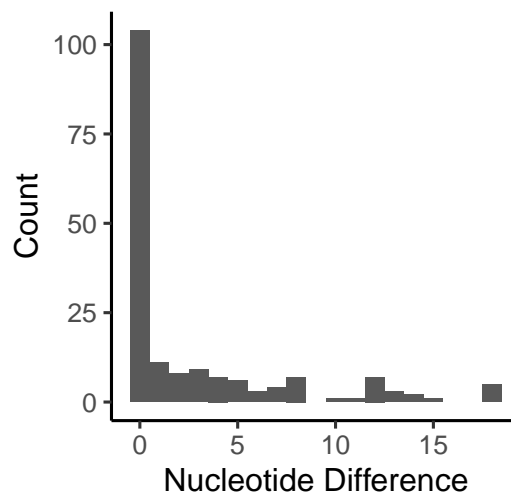
IGHV3-13*01

171 sequences assigned
54 (31.6%) exact matches, in which:
45 unique CDR3
5 unique J



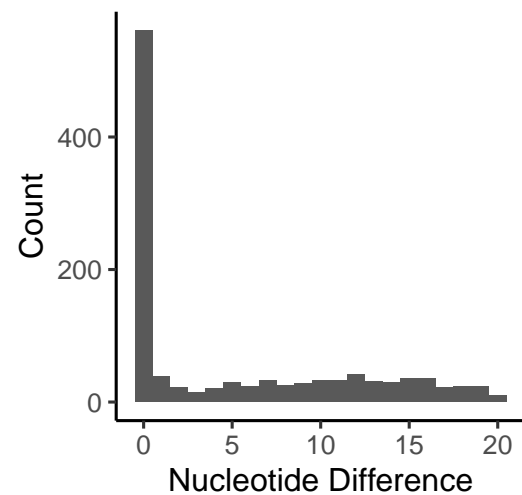
IGHV3-20*01_02

185 sequences assigned
104 (56.2%) exact matches, in which:
79 unique CDR3
6 unique J



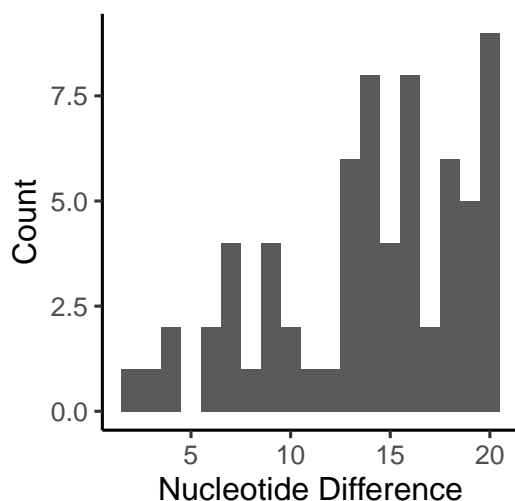
IGHV3-30-3*01

1286 sequences assigned
561 (43.6%) exact matches, in which:
496 unique CDR3
6 unique J



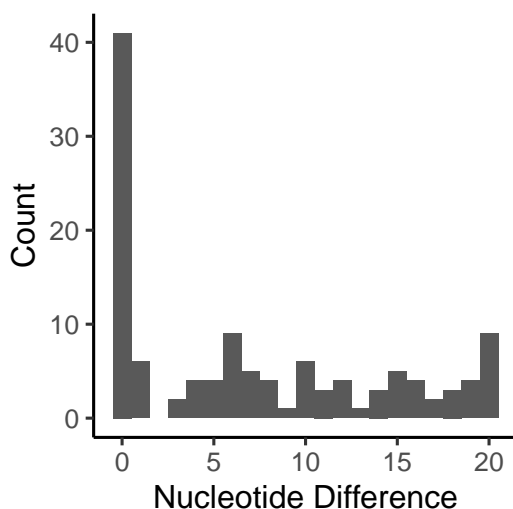
IGHV3-30*04

146 sequences assigned
No exact matches.



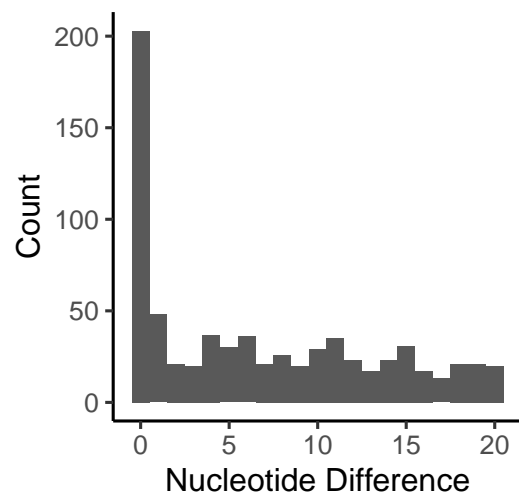
IGHV3-43*01

134 sequences assigned
41 (30.6%) exact matches, in which:
32 unique CDR3
5 unique J



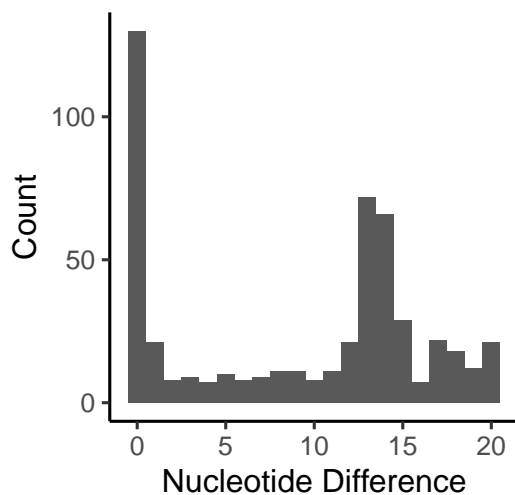
IGHV3-48*03

828 sequences assigned
203 (24.5%) exact matches, in which:
167 unique CDR3
5 unique J



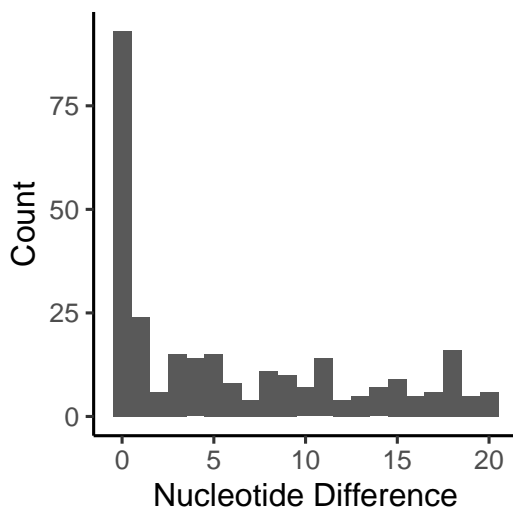
IGHV3-30*03_T288C

659 sequences assigned
130 (19.7%) exact matches, in which:
102 unique CDR3
6 unique J



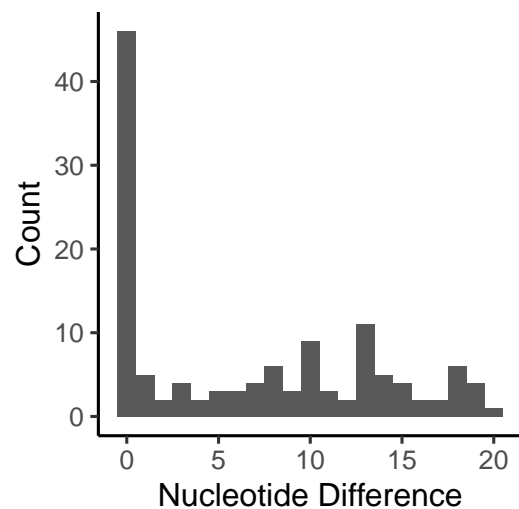
IGHV3-43*02

353 sequences assigned
93 (26.3%) exact matches, in which:
84 unique CDR3
4 unique J



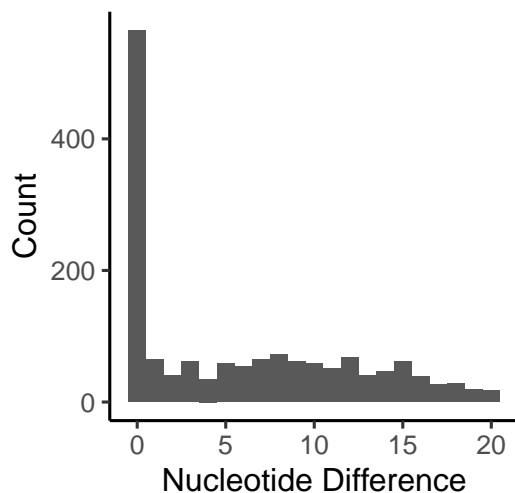
IGHV3-49*04

157 sequences assigned
46 (29.3%) exact matches, in which:
43 unique CDR3
4 unique J



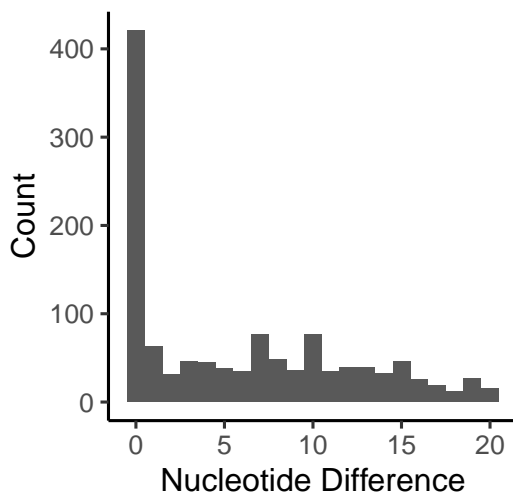
IGHV3-33*01

1655 sequences assigned
565 (34.1%) exact matches, in which:
441 unique CDR3
6 unique J



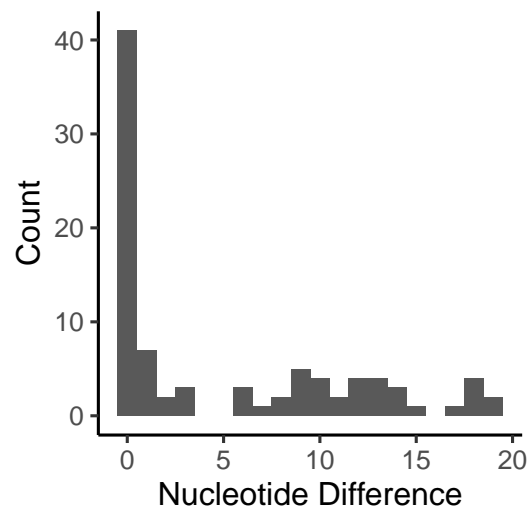
IGHV3-48*02

1292 sequences assigned
421 (32.6%) exact matches, in which:
312 unique CDR3
6 unique J



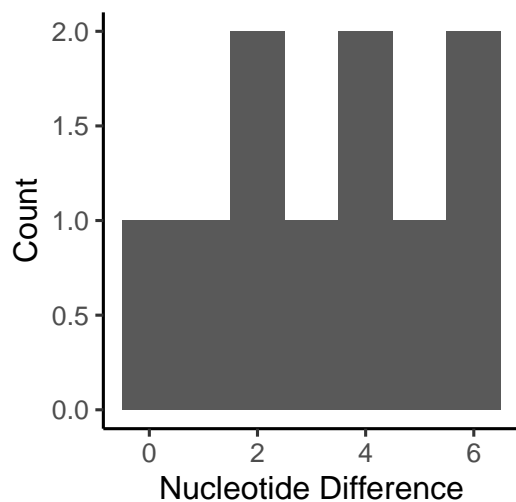
IGHV3-49*03_05

95 sequences assigned
41 (43.2%) exact matches, in which:
39 unique CDR3
5 unique J



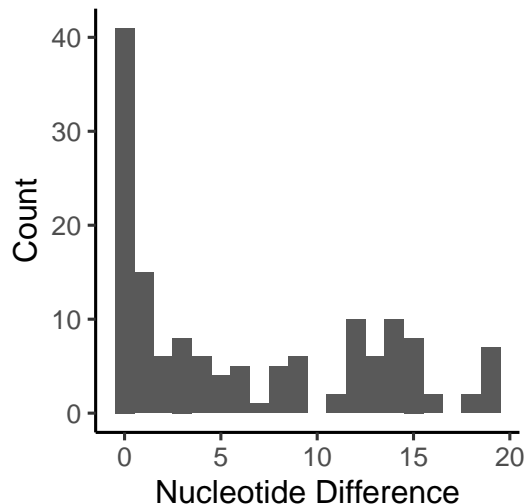
IGHV3-52*01_03

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



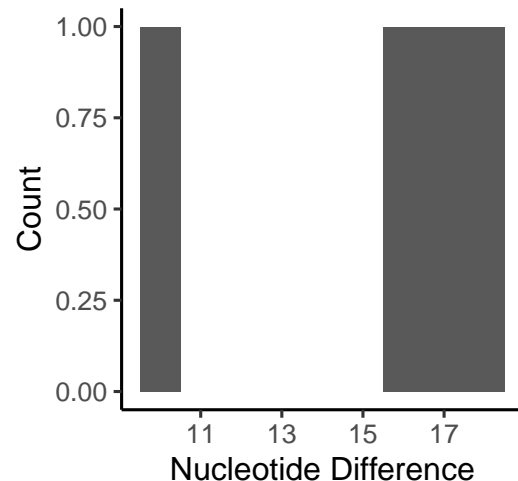
IGHV3-64*01

153 sequences assigned
41 (26.8%) exact matches, in which:
34 unique CDR3
5 unique J



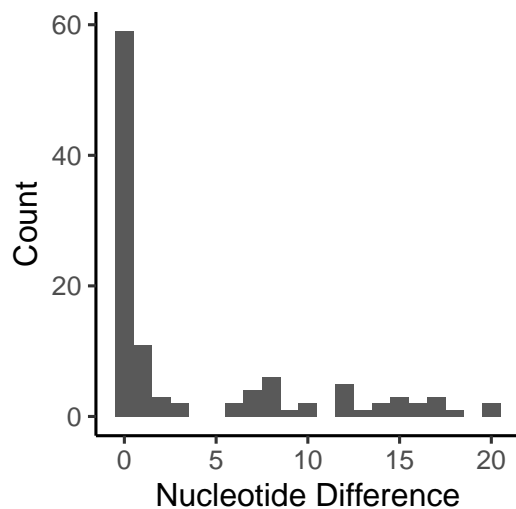
IGHV3-69-1*01

16 sequences assigned
No exact matches.



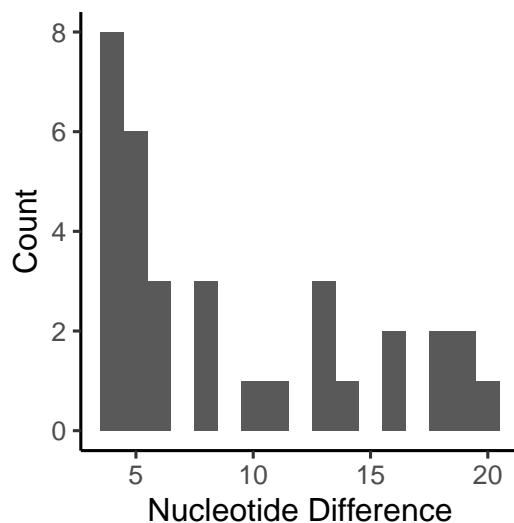
IGHV3-53*04

122 sequences assigned
59 (48.4%) exact matches, in which:
51 unique CDR3
5 unique J



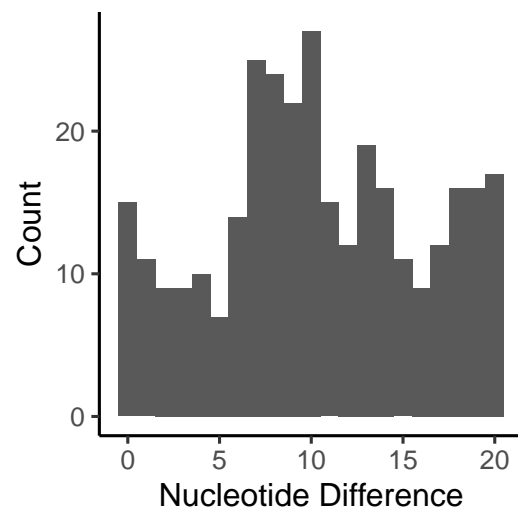
IGHV3-64*02_07

43 sequences assigned
No exact matches.



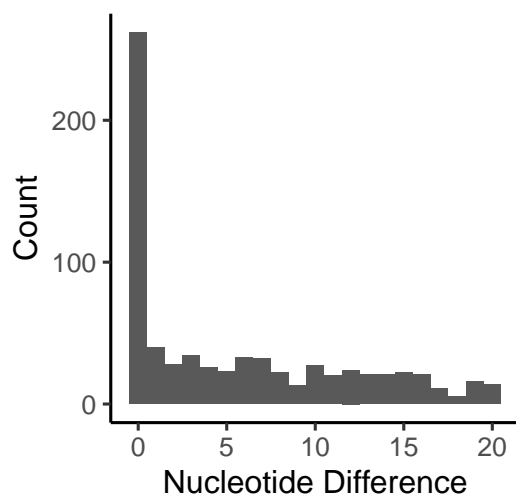
IGHV3-72*01

377 sequences assigned
15 (4%) exact matches, in which:
11 unique CDR3
4 unique J



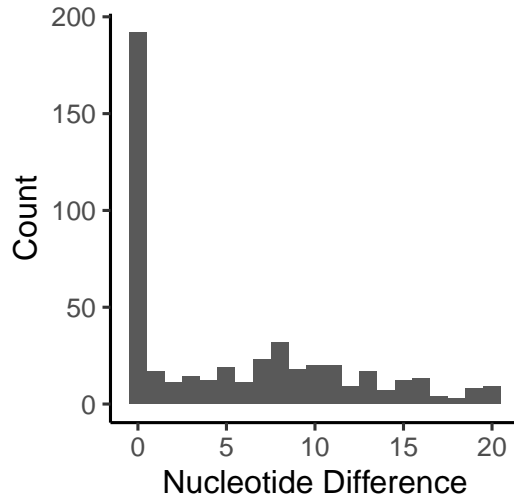
IGHV3-53*01_02

789 sequences assigned
262 (33.2%) exact matches, in which:
218 unique CDR3
6 unique J



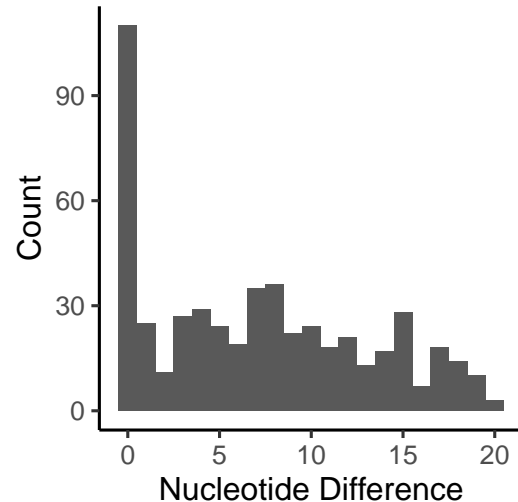
IGHV3-66*01

563 sequences assigned
192 (34.1%) exact matches, in which:
158 unique CDR3
5 unique J



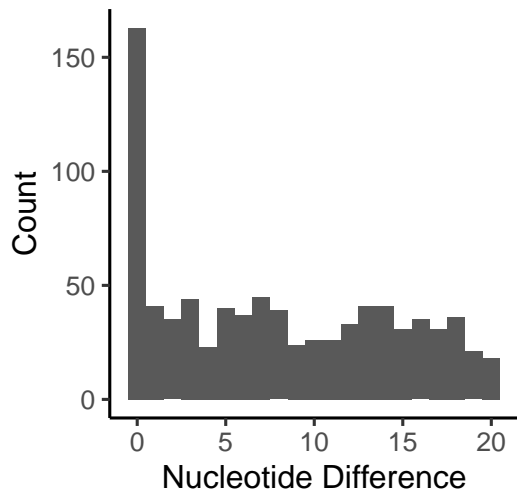
IGHV3-73*01_02

569 sequences assigned
110 (19.3%) exact matches, in which:
64 unique CDR3
4 unique J



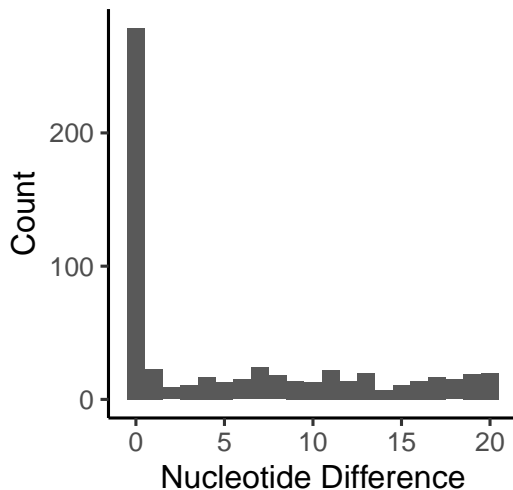
IGHV3-74*01_02

985 sequences assigned
163 (16.5%) exact matches, in which:
127 unique CDR3
6 unique J



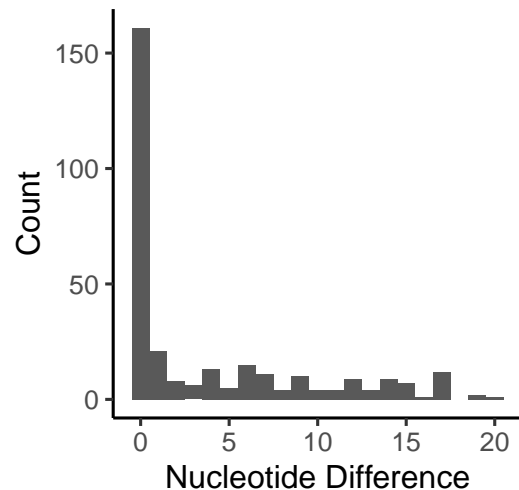
IGHV4-4*07

667 sequences assigned
279 (41.8%) exact matches, in which:
265 unique CDR3
6 unique J



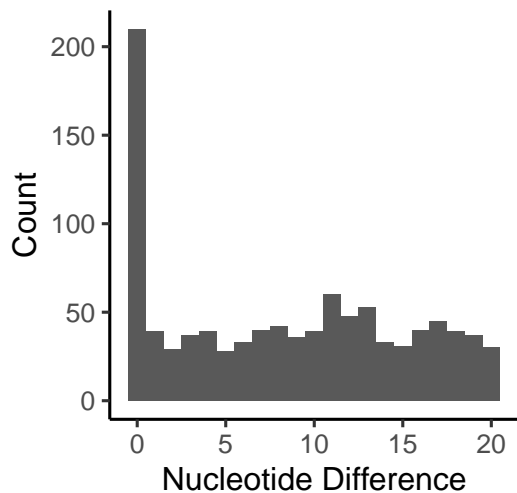
IGHV4-30-2*01

345 sequences assigned
161 (46.7%) exact matches, in which:
148 unique CDR3
6 unique J



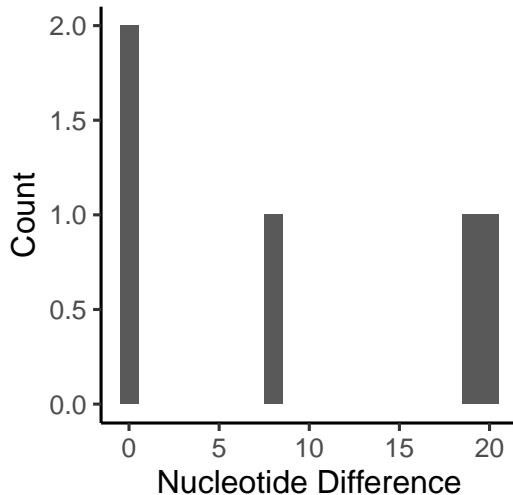
IGHV3-74*01_02_G297A

1188 sequences assigned
210 (17.7%) exact matches, in which:
155 unique CDR3
6 unique J



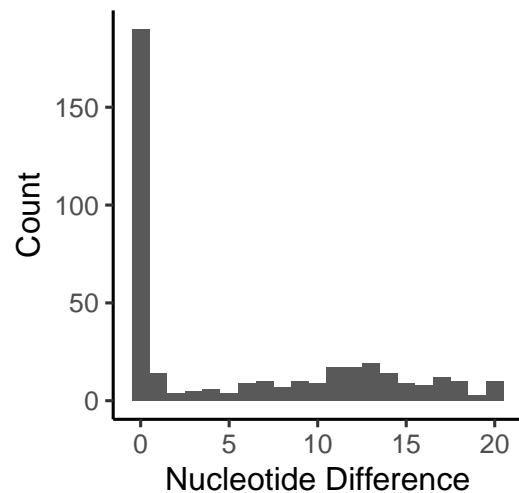
IGHV4-28*03

5 sequences assigned
2 (40%) exact matches, in which:
1 unique CDR3
1 unique J



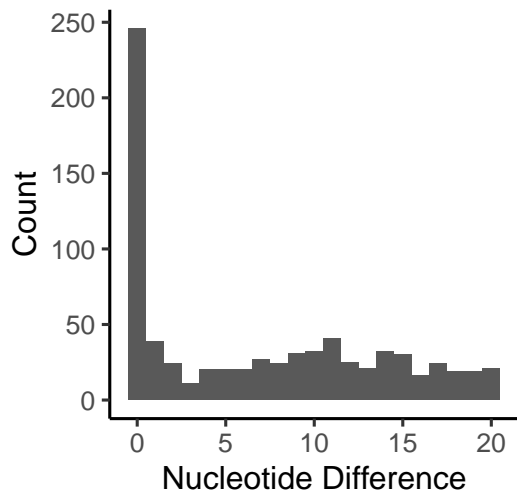
IGHV4-30-4*01

481 sequences assigned
190 (39.5%) exact matches, in which:
176 unique CDR3
6 unique J



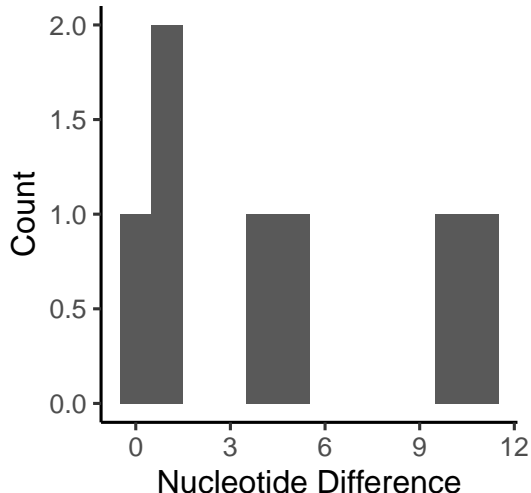
IGHV3-64D*06

849 sequences assigned
246 (29%) exact matches, in which:
218 unique CDR3
6 unique J



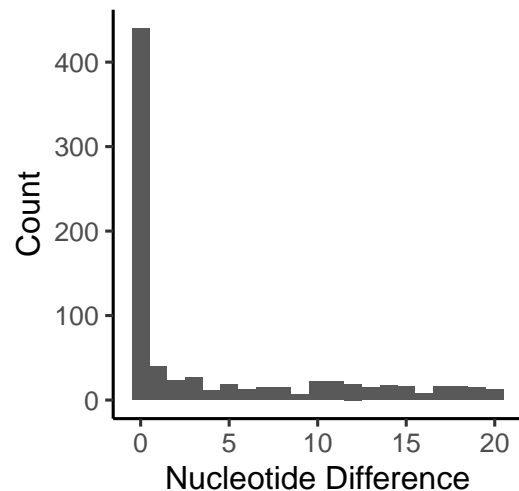
IGHV4-28*01_07

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



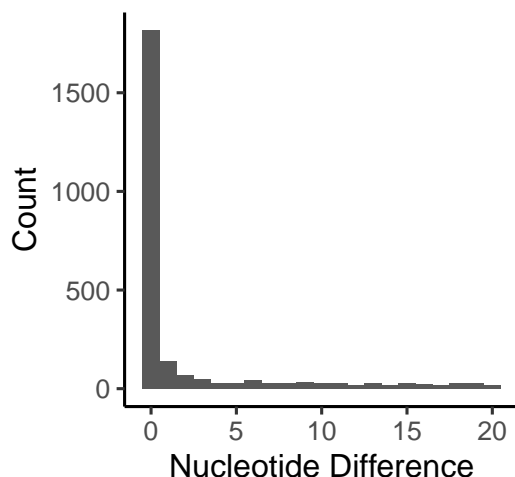
IGHV4-31*03_04

882 sequences assigned
440 (49.9%) exact matches, in which:
400 unique CDR3
6 unique J



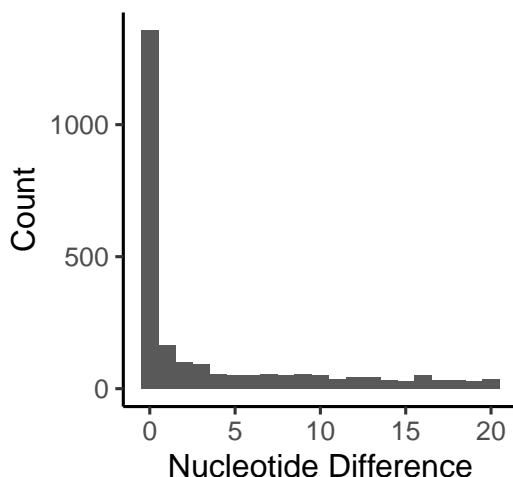
IGHV4-34*01_02

2696 sequences assigned
1816 (67.4%) exact matches, in which:
1723 unique CDR3
6 unique J



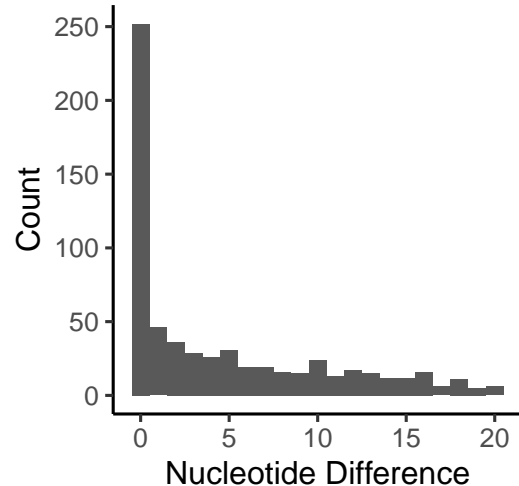
IGHV4-59*01_07

2862 sequences assigned
1357 (47.4%) exact matches, in which:
1216 unique CDR3
6 unique J



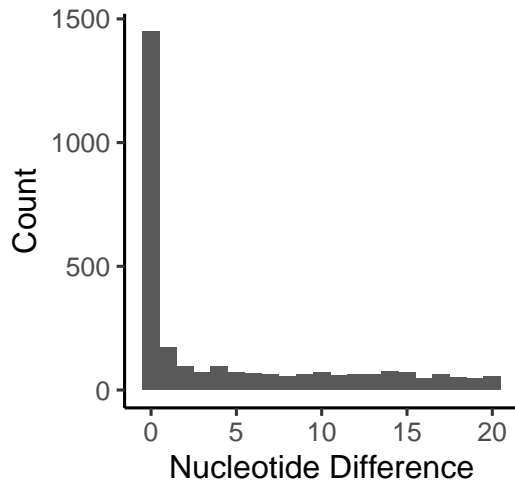
IGHV5-51*01_03

654 sequences assigned
252 (38.5%) exact matches, in which:
250 unique CDR3
6 unique J



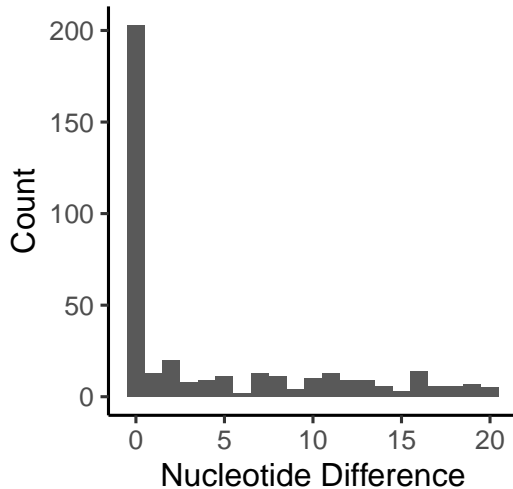
IGHV4-39*01_05

3287 sequences assigned
1448 (44.1%) exact matches, in which:
1282 unique CDR3
6 unique J



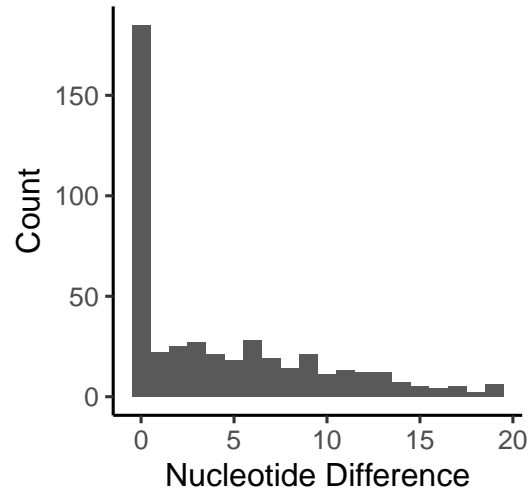
IGHV4-61*01

430 sequences assigned
203 (47.2%) exact matches, in which:
186 unique CDR3
6 unique J



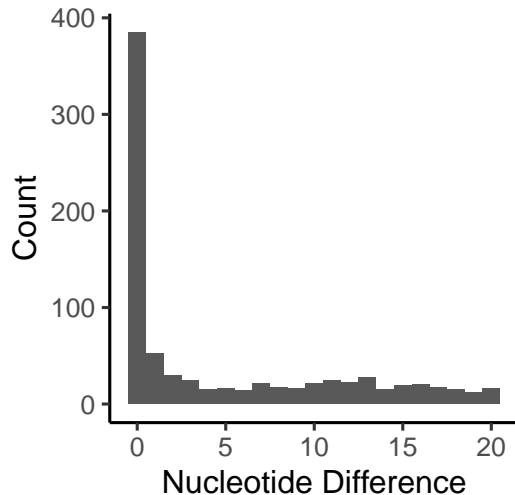
IGHV6-1*01_02

484 sequences assigned
185 (38.2%) exact matches, in which:
182 unique CDR3
6 unique J



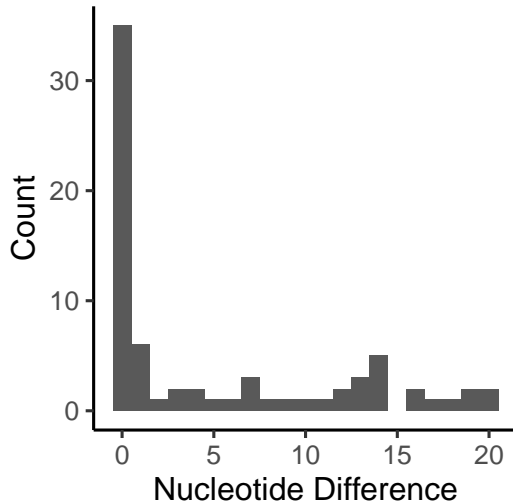
IGHV4-59*08

959 sequences assigned
385 (40.1%) exact matches, in which:
361 unique CDR3
6 unique J



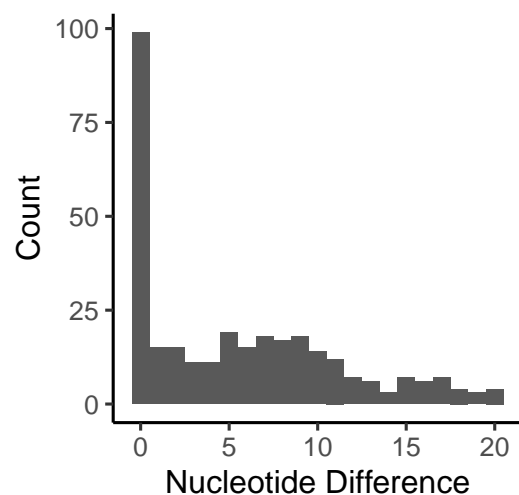
IGHV5-10-1*01_03

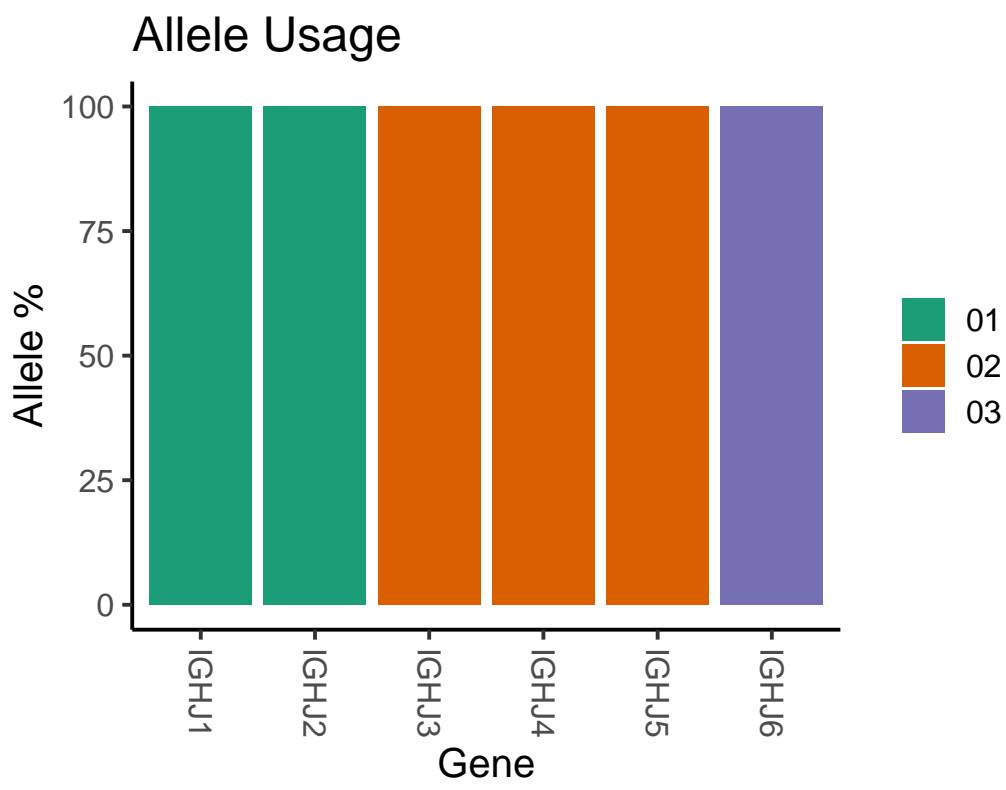
88 sequences assigned
35 (39.8%) exact matches, in which:
35 unique CDR3
4 unique J



IGHV7-4-1*02

319 sequences assigned
99 (31%) exact matches, in which:
98 unique CDR3
5 unique J





Novel sequence(s)IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-39*02_C258GIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV4-59*02_G88A are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV5-51*07_A128G are not listed in the genotype and will be ignored.