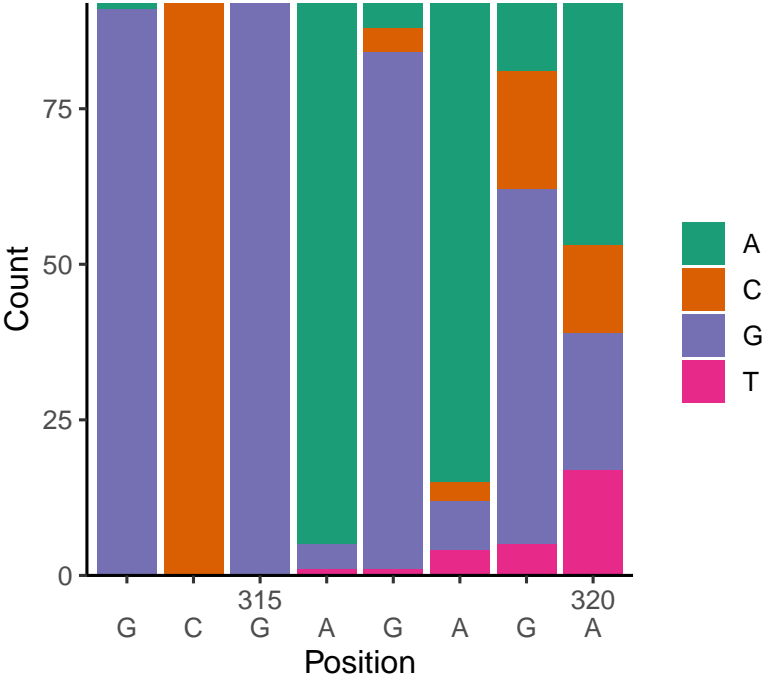


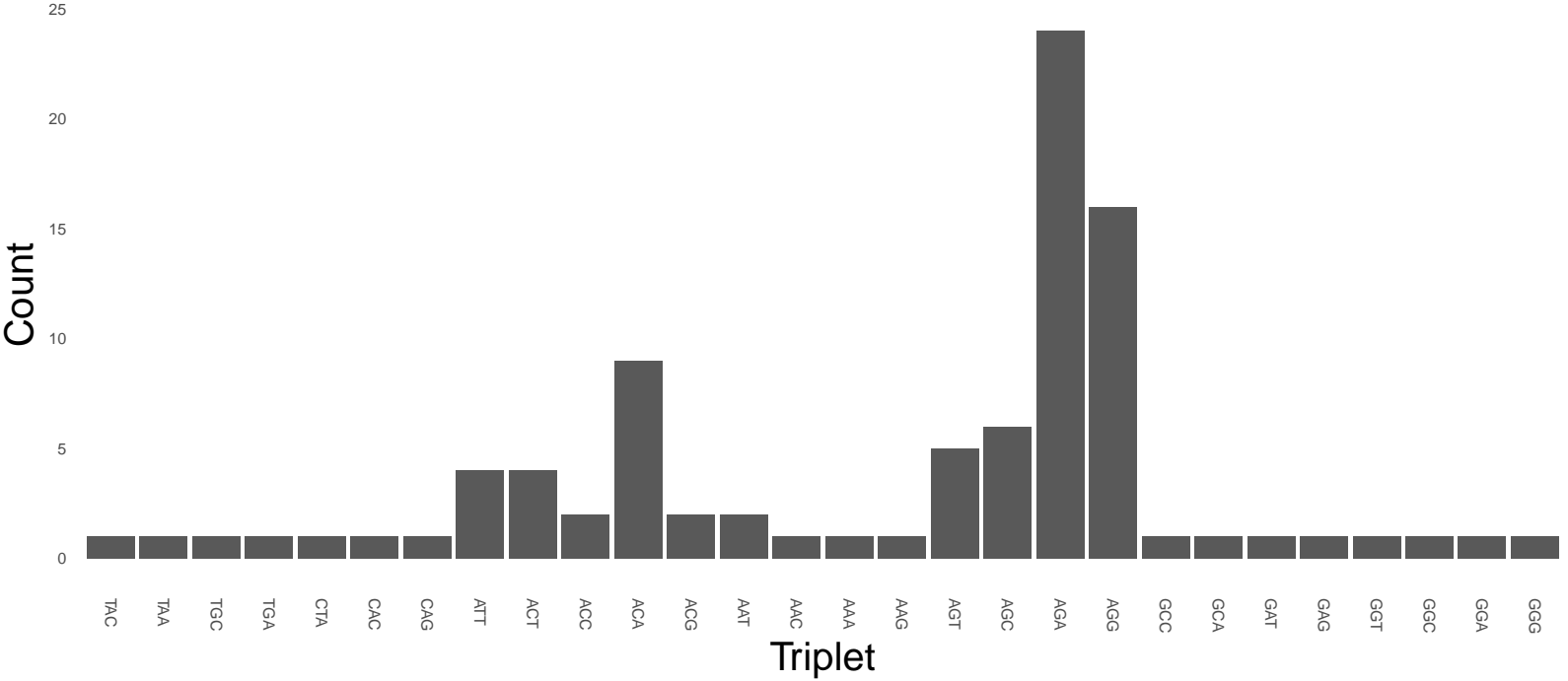
Gene IGHV6-1*01_02_A315G



Gene IGHV6-1*01_02_A315G

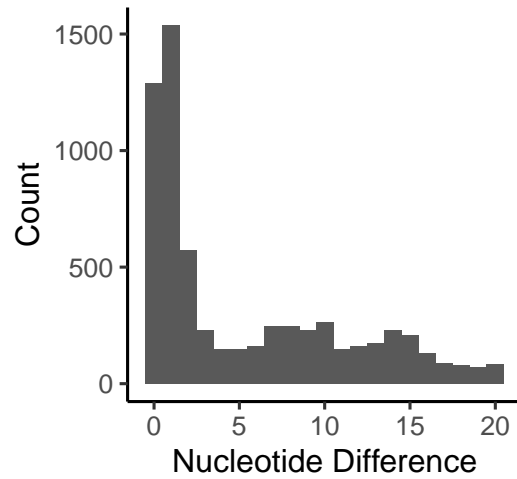


IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet



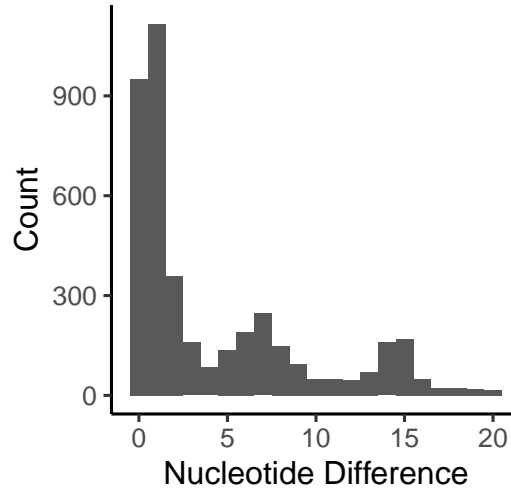
IGHV1-2*02

7237 sequences assigned
1290 (17.8%) exact matches, in which:
1063 unique CDR3
7 unique J



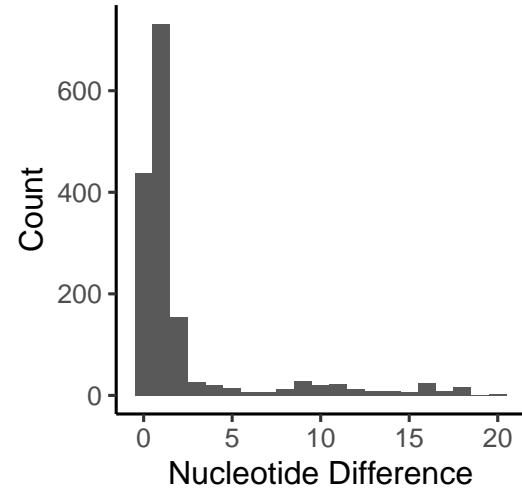
IGHV1-8*01

5773 sequences assigned
950 (16.5%) exact matches, in which:
794 unique CDR3
7 unique J



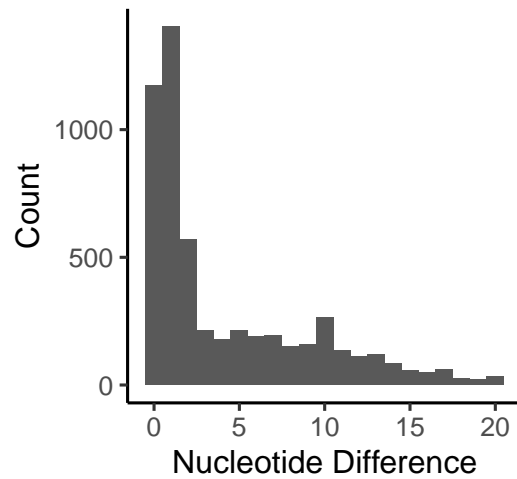
IGHV1-24*01

1684 sequences assigned
438 (26%) exact matches, in which:
317 unique CDR3
7 unique J



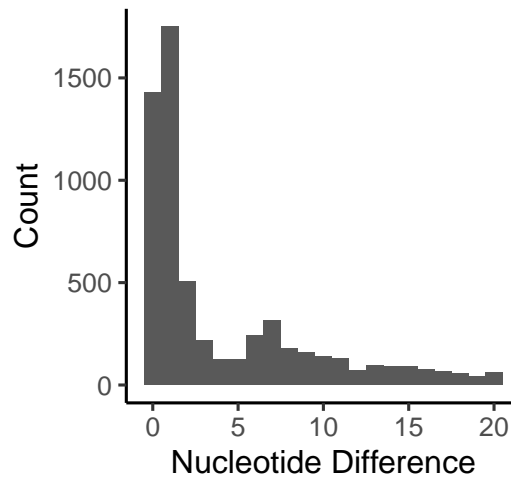
IGHV1-2*06

5744 sequences assigned
1174 (20.4%) exact matches, in which:
959 unique CDR3
7 unique J



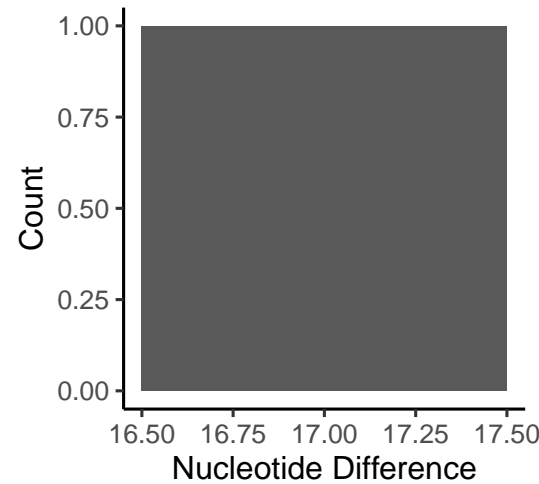
IGHV1-18*01

7419 sequences assigned
1431 (19.3%) exact matches, in which:
1155 unique CDR3
7 unique J



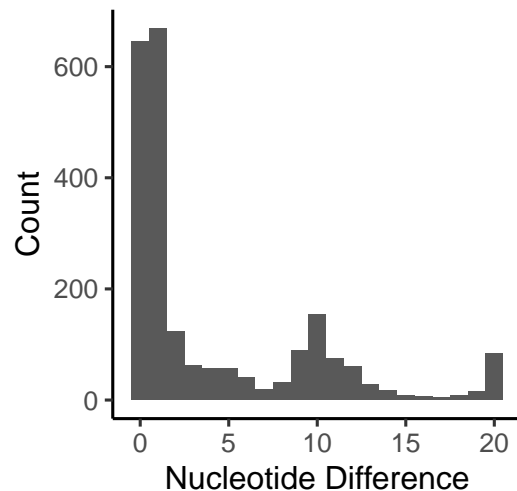
IGHV1-45*02

1 sequences assigned
No exact matches.



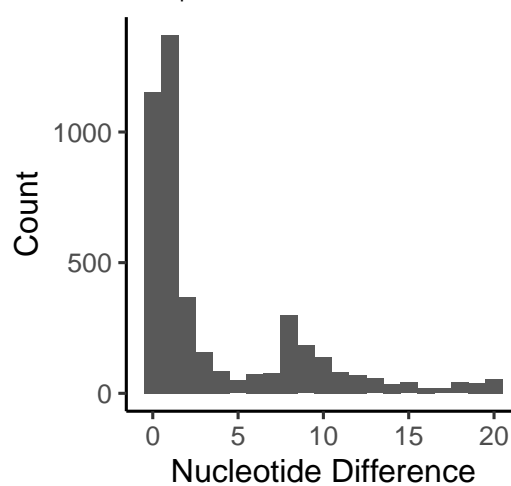
IGHV1-3*01_05

2777 sequences assigned
646 (23.3%) exact matches, in which:
513 unique CDR3
7 unique J



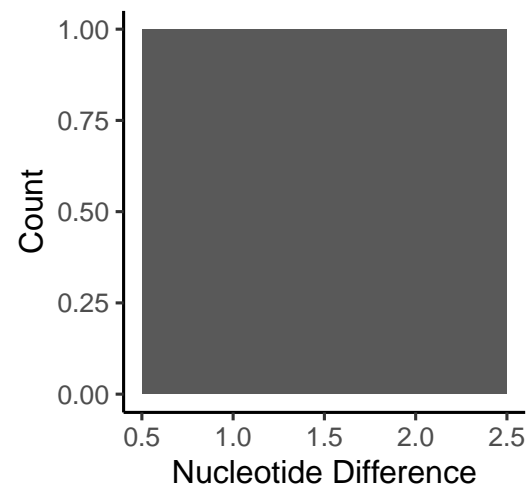
IGHV1-18*04

4737 sequences assigned
1154 (24.4%) exact matches, in which:
991 unique CDR3
7 unique J



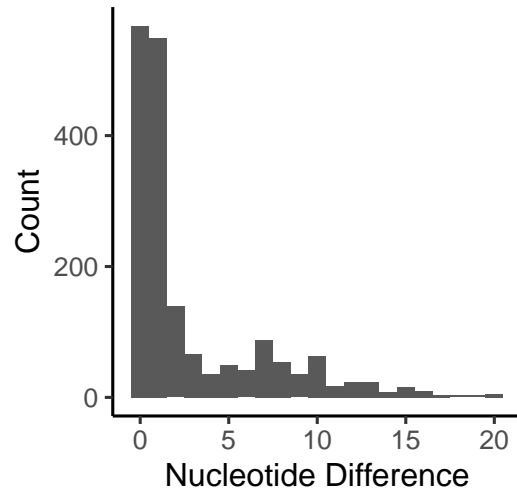
IGHV1-45*03

2 sequences assigned
No exact matches.



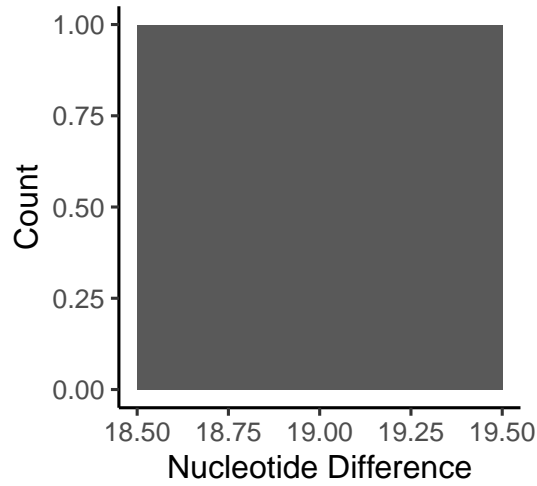
IGHV1-46*01

1841 sequences assigned
568 (30.9%) exact matches, in which:
474 unique CDR3
7 unique J



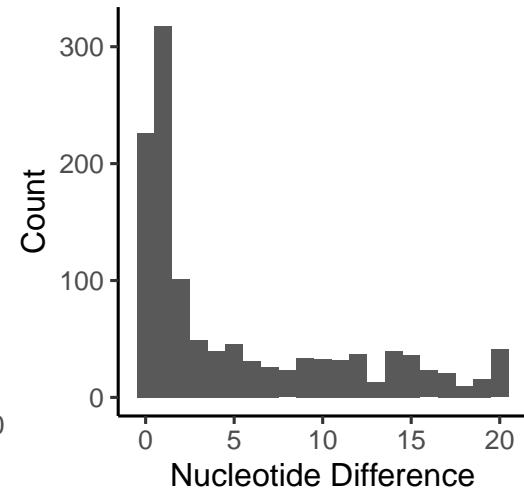
IGHV1-69-2*01

9 sequences assigned
No exact matches.



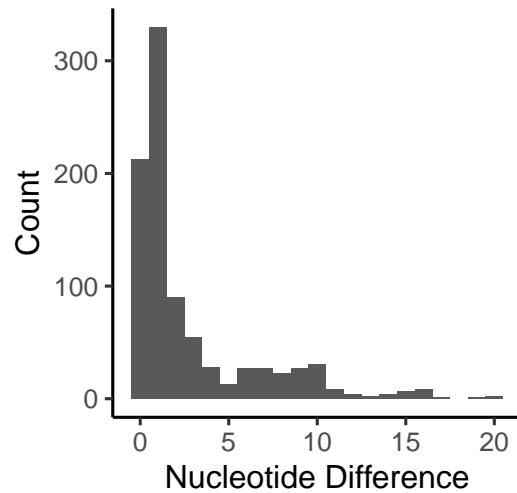
IGHV2-5*02

2190 sequences assigned
226 (10.3%) exact matches, in which:
184 unique CDR3
7 unique J



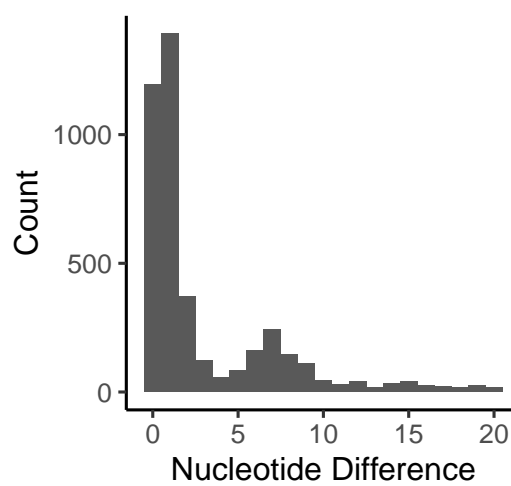
IGHV1-46*03

910 sequences assigned
213 (23.4%) exact matches, in which:
155 unique CDR3
5 unique J



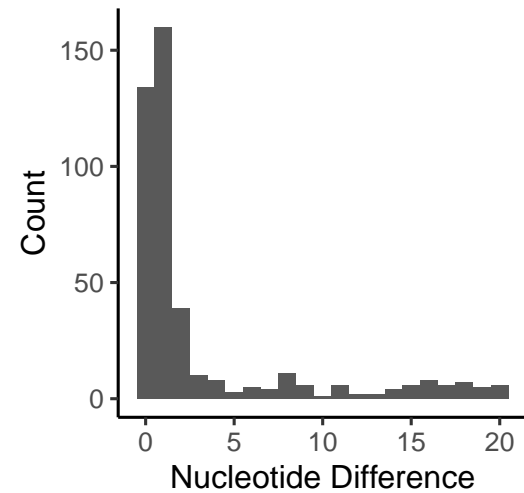
IGHV1-69*04_09

4963 sequences assigned
1194 (24.1%) exact matches, in which:
1017 unique CDR3
7 unique J



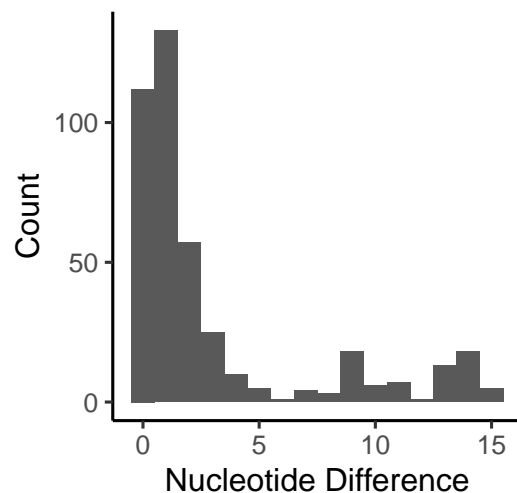
IGHV2-26*01

444 sequences assigned
134 (30.2%) exact matches, in which:
108 unique CDR3
7 unique J



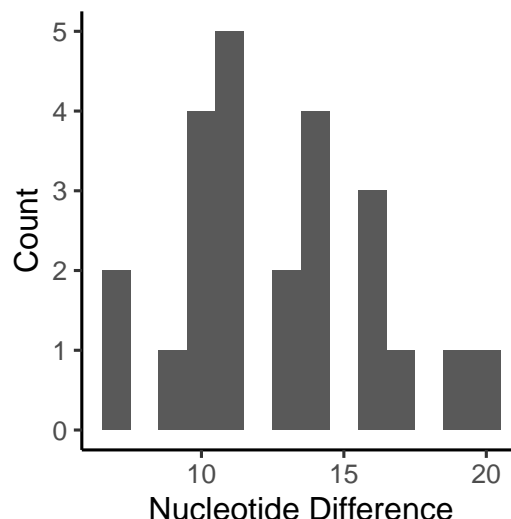
IGHV1-58*02

445 sequences assigned
112 (25.2%) exact matches, in which:
99 unique CDR3
6 unique J



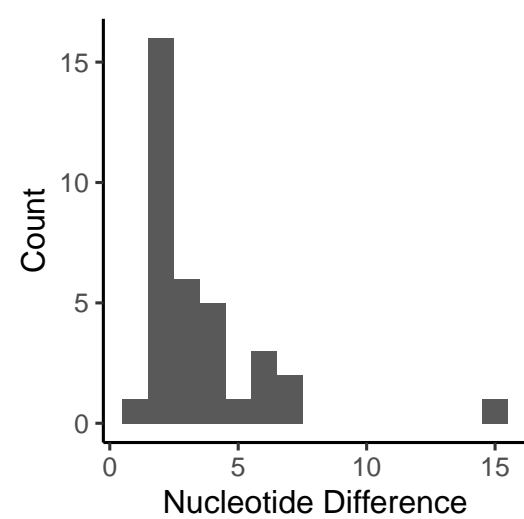
IGHV1-NL1*01

24 sequences assigned
No exact matches.



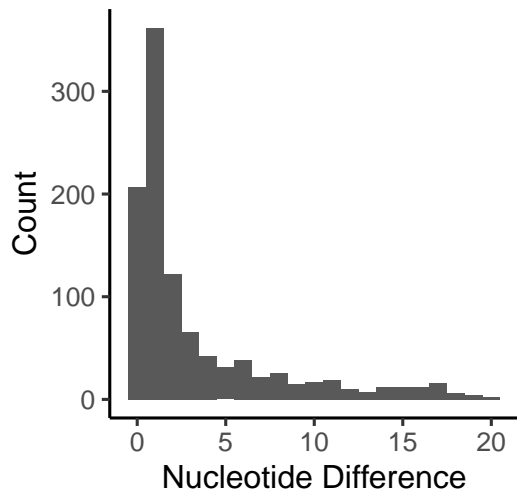
IGHV2-70*12

35 sequences assigned
No exact matches.



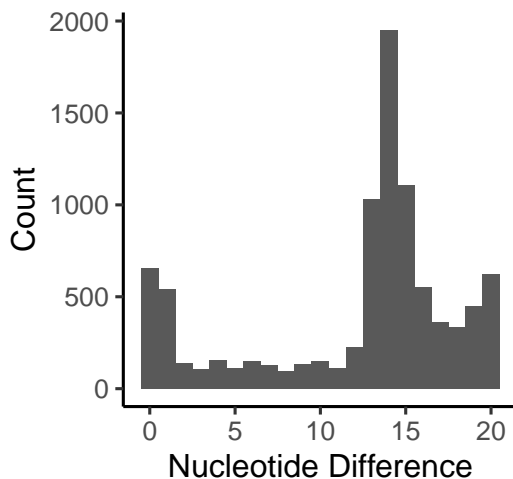
IGHV2–70*11_15

1057 sequences assigned
207 (19.6%) exact matches, in which:
148 unique CDR3
6 unique J



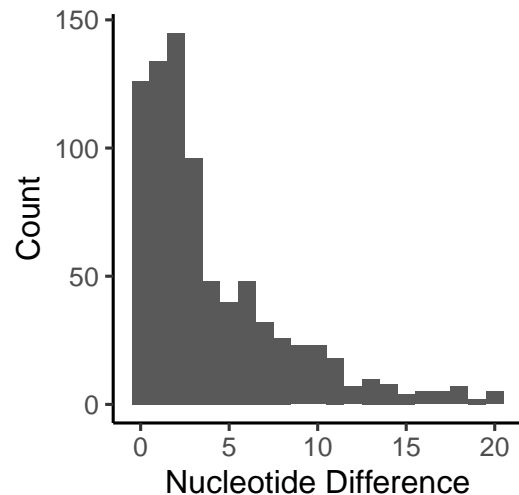
IGHV3–7*03

11050 sequences assigned
657 (5.9%) exact matches, in which:
436 unique CDR3
7 unique J



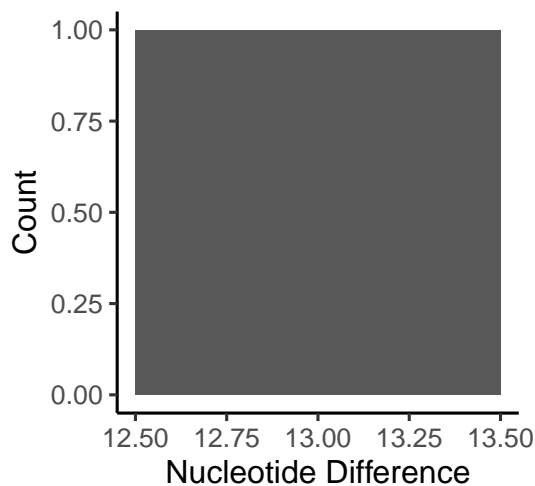
IGHV3–11*04

840 sequences assigned
126 (15%) exact matches, in which:
118 unique CDR3
7 unique J



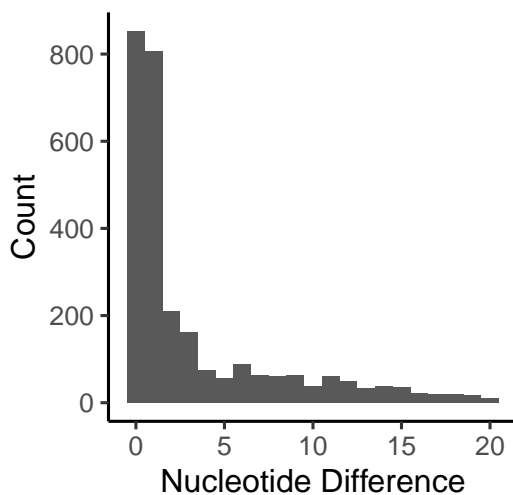
IGHV2–70D*14

1 sequences assigned
No exact matches.



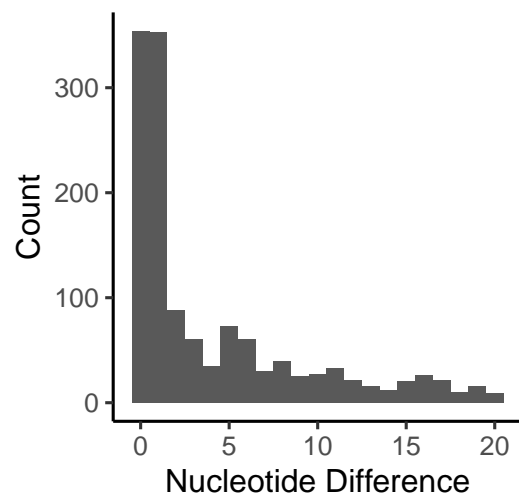
IGHV3–9*01

2926 sequences assigned
853 (29.2%) exact matches, in which:
489 unique CDR3
7 unique J



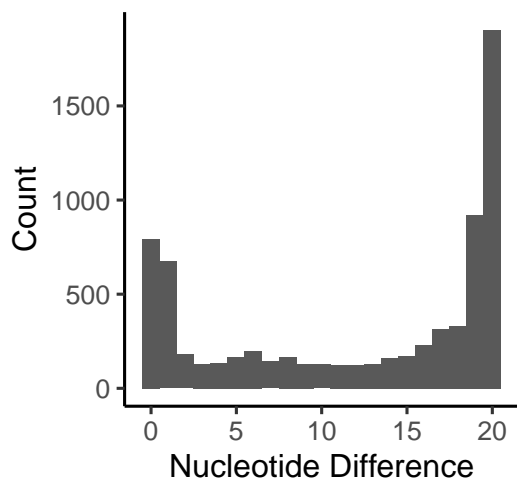
IGHV3–11*06

1401 sequences assigned
354 (25.3%) exact matches, in which:
241 unique CDR3
6 unique J



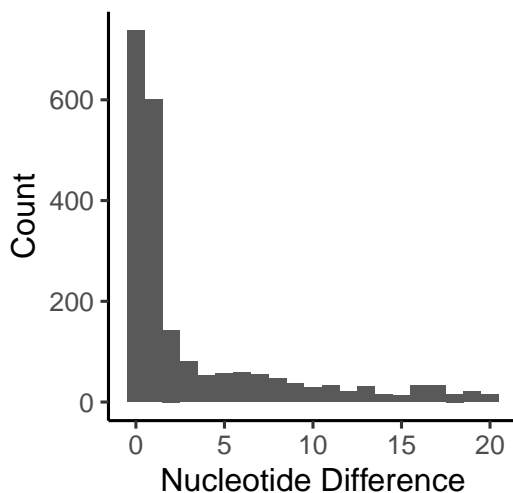
IGHV3–7*01

9840 sequences assigned
793 (8.1%) exact matches, in which:
547 unique CDR3
7 unique J



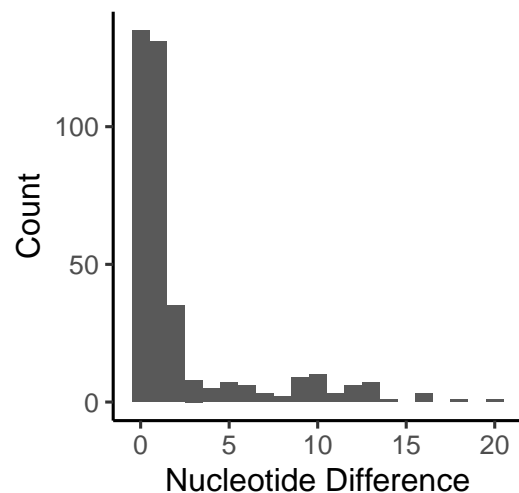
IGHV3–11*01

2319 sequences assigned
738 (31.8%) exact matches, in which:
472 unique CDR3
7 unique J



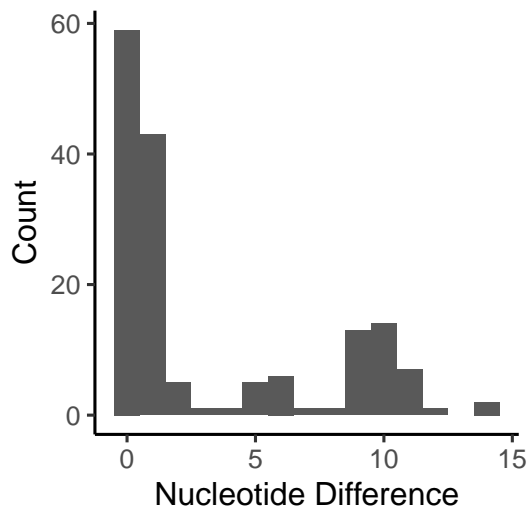
IGHV3–13*01

373 sequences assigned
135 (36.2%) exact matches, in which:
75 unique CDR3
5 unique J



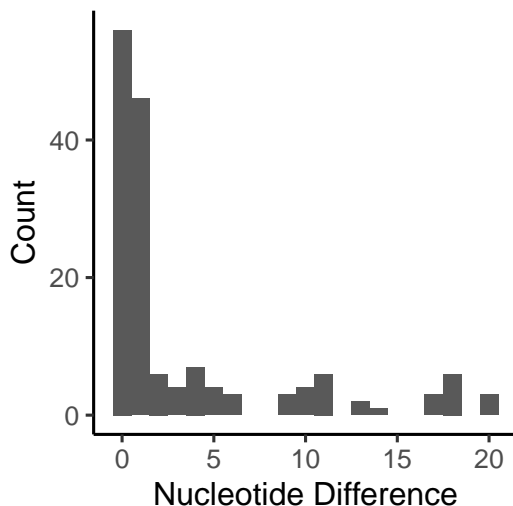
IGHV3-13*05

159 sequences assigned
59 (37.1%) exact matches, in which:
36 unique CDR3
6 unique J



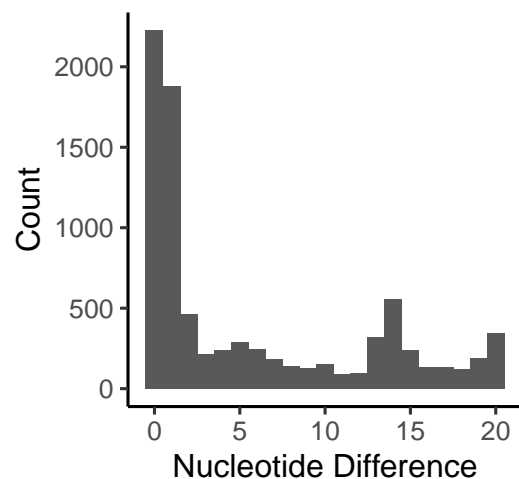
IGHV3-20*01_02

163 sequences assigned
56 (34.4%) exact matches, in which:
33 unique CDR3
4 unique J



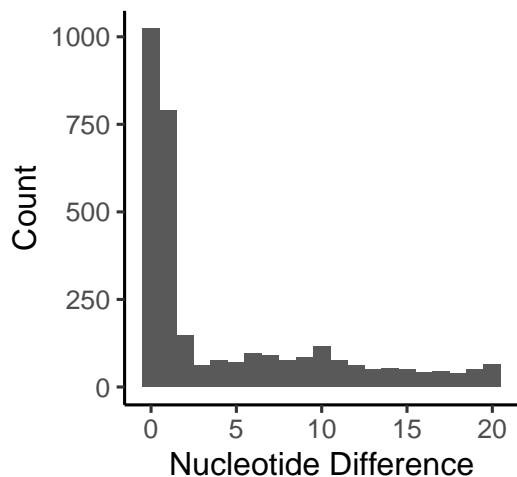
IGHV3-21*01_02

10546 sequences assigned
2226 (21.1%) exact matches, in which:
1369 unique CDR3
7 unique J



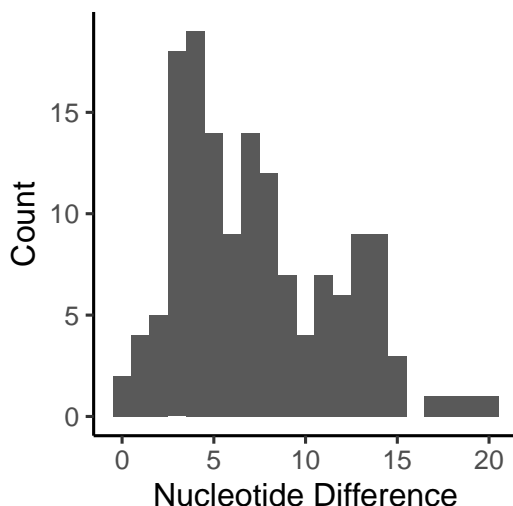
IGHV3-15*01_02

5178 sequences assigned
1023 (19.8%) exact matches, in which:
621 unique CDR3
7 unique J



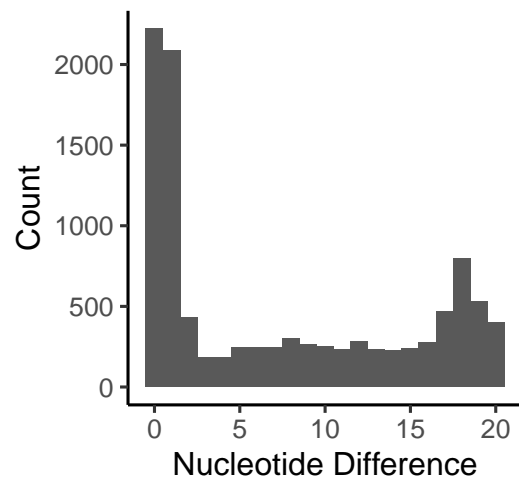
IGHV3-20*03_04

157 sequences assigned
2 (1.3%) exact matches, in which:
2 unique CDR3
2 unique J



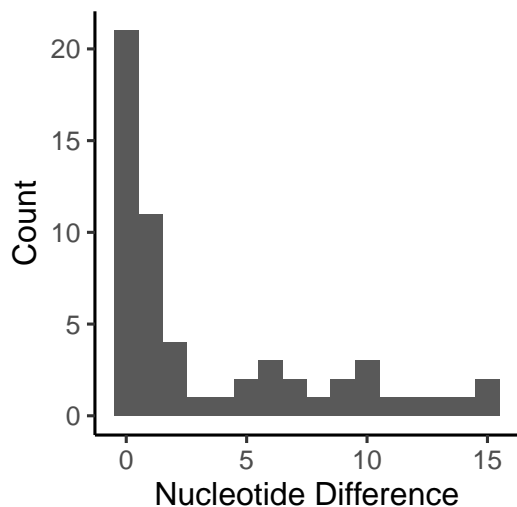
IGHV3-23*01_04

14173 sequences assigned
2222 (15.7%) exact matches, in which:
1302 unique CDR3
7 unique J



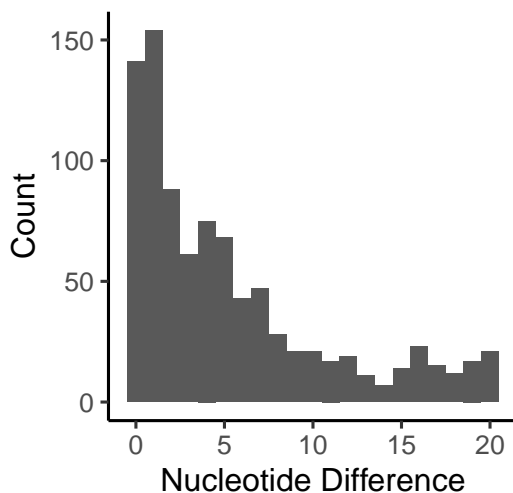
IGHV3-19*01

57 sequences assigned
21 (36.8%) exact matches, in which:
17 unique CDR3
4 unique J



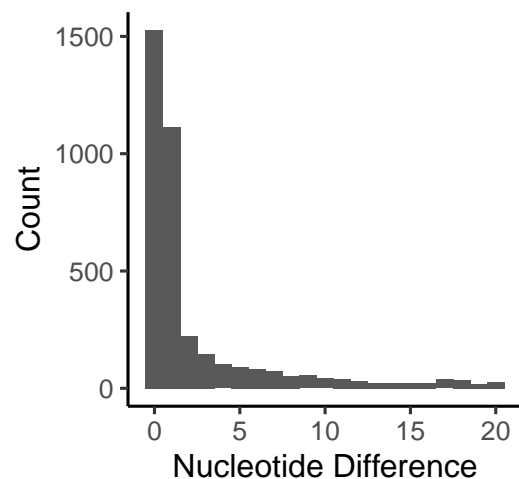
IGHV3-21*04

1000 sequences assigned
141 (14.1%) exact matches, in which:
128 unique CDR3
6 unique J



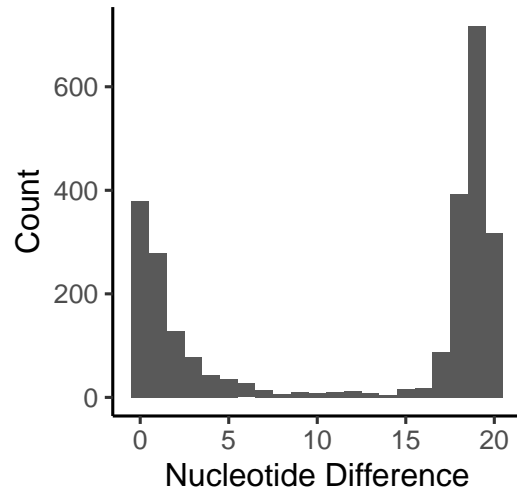
IGHV3-30-3*01

4044 sequences assigned
1527 (37.8%) exact matches, in which:
1037 unique CDR3
7 unique J



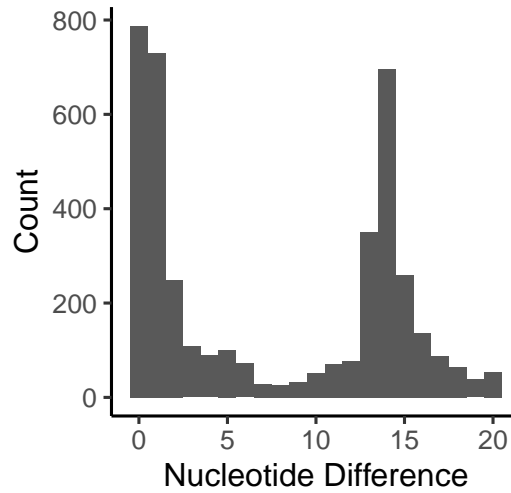
IGHV3–30*03

2983 sequences assigned
379 (12.7%) exact matches, in which:
345 unique CDR3
7 unique J



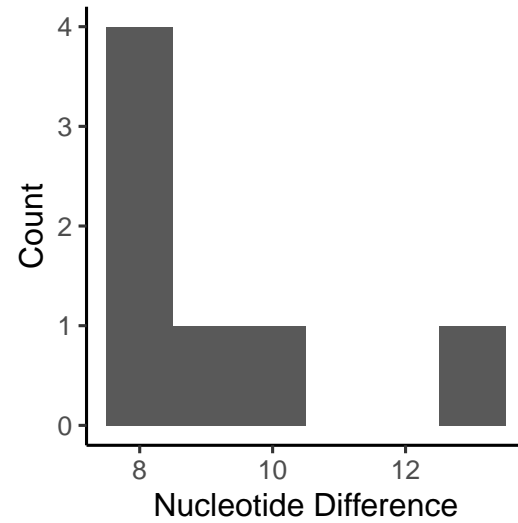
IGHV3–33*01

5616 sequences assigned
788 (14%) exact matches, in which:
525 unique CDR3
7 unique J



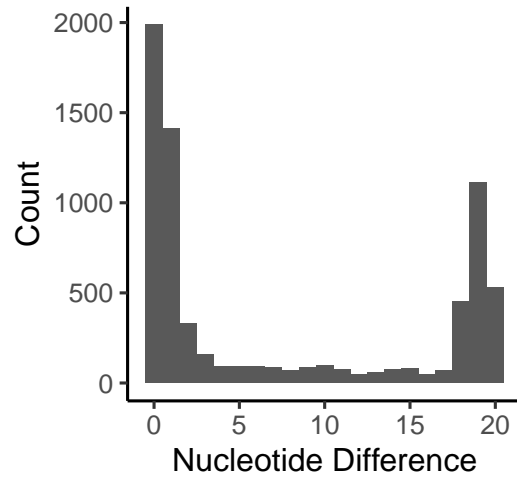
IGHV3–35*01

7 sequences assigned
No exact matches.



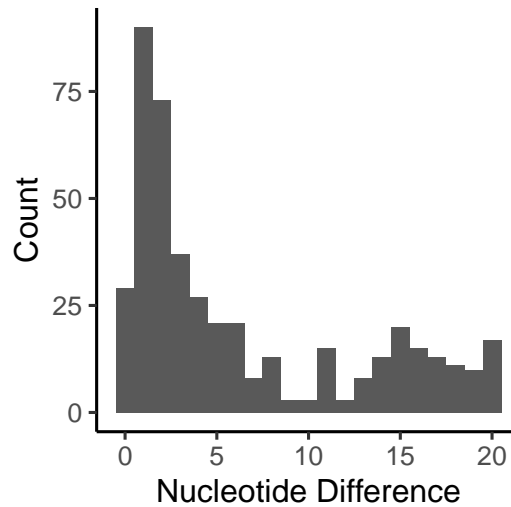
IGHV3–30*04

8146 sequences assigned
1988 (24.4%) exact matches, in which:
1307 unique CDR3
7 unique J



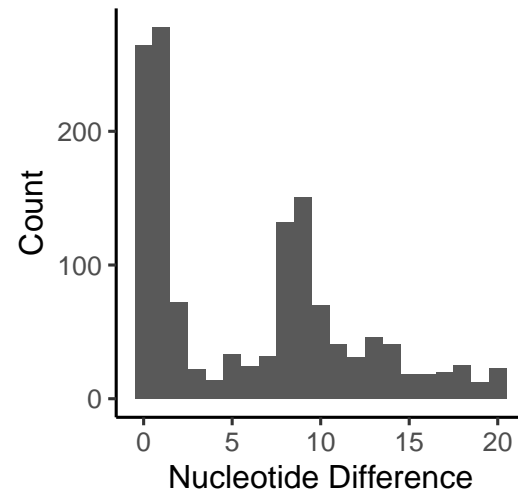
IGHV3–33*06

502 sequences assigned
29 (5.8%) exact matches, in which:
27 unique CDR3
6 unique J



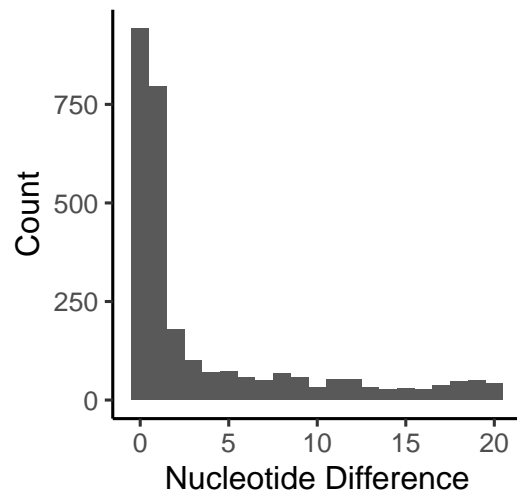
IGHV3–43*02

2394 sequences assigned
264 (11%) exact matches, in which:
145 unique CDR3
6 unique J



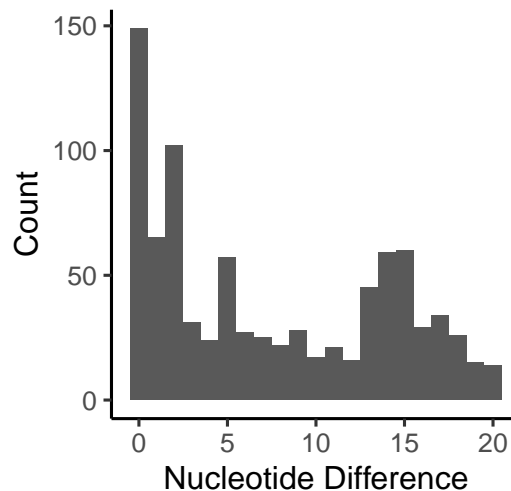
IGHV3–30*18

3127 sequences assigned
943 (30.2%) exact matches, in which:
530 unique CDR3
7 unique J



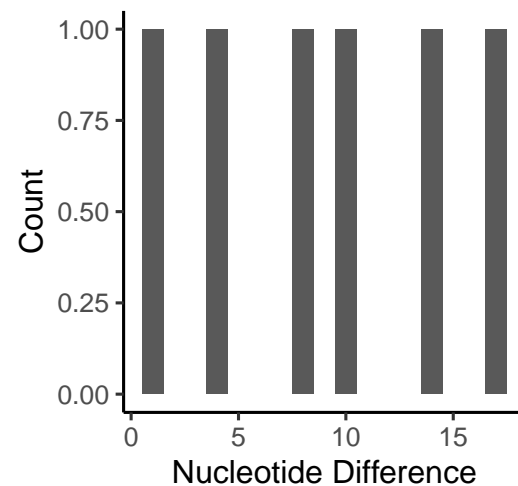
IGHV3–33*08

1048 sequences assigned
149 (14.2%) exact matches, in which:
104 unique CDR3
6 unique J



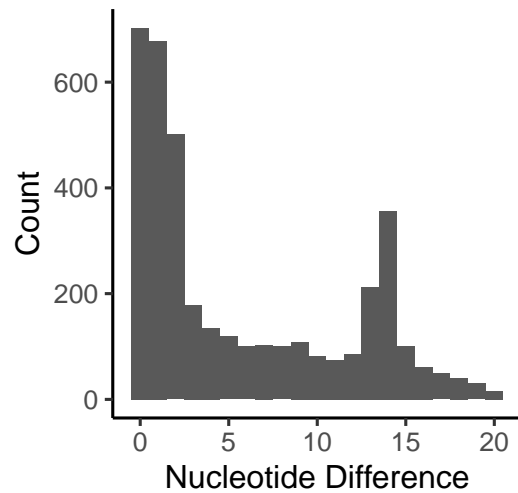
IGHV3–47*02

6 sequences assigned
No exact matches.



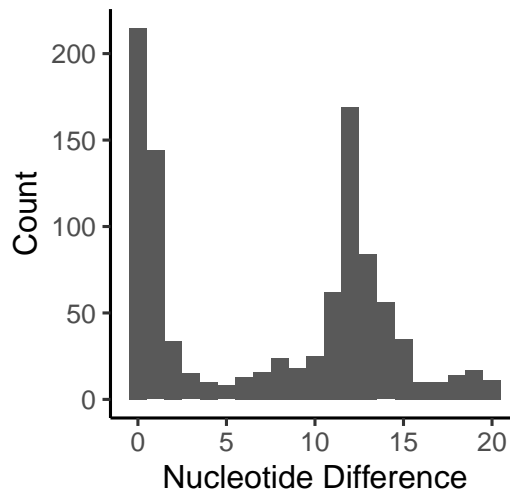
IGHV3-48*01

6323 sequences assigned
703 (11.1%) exact matches, in which:
468 unique CDR3
7 unique J



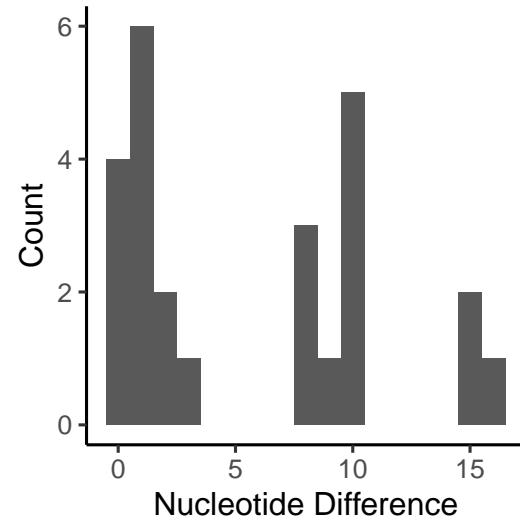
IGHV3-49*04

1078 sequences assigned
215 (19.9%) exact matches, in which:
133 unique CDR3
5 unique J



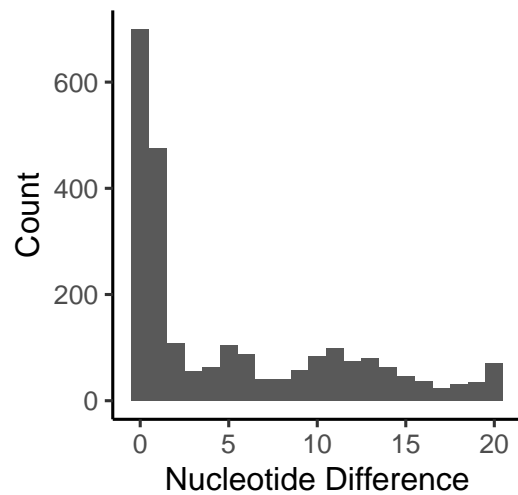
IGHV3-52*01_03

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



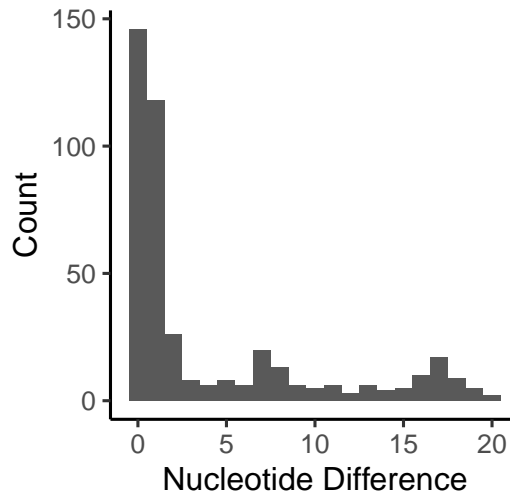
IGHV3-48*03

4187 sequences assigned
700 (16.7%) exact matches, in which:
437 unique CDR3
6 unique J



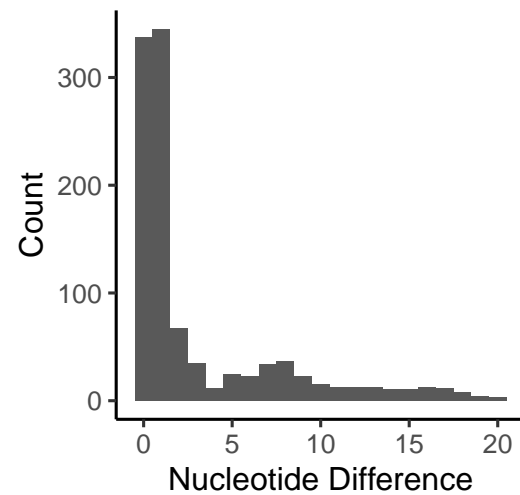
IGHV3-49*03_05

561 sequences assigned
146 (26%) exact matches, in which:
91 unique CDR3
7 unique J



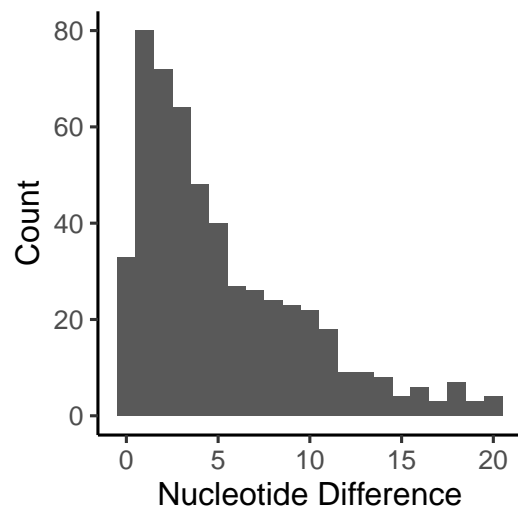
IGHV3-53*04

1088 sequences assigned
337 (31%) exact matches, in which:
222 unique CDR3
7 unique J



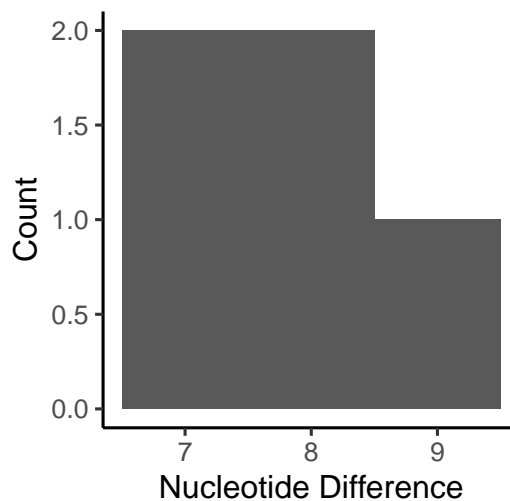
IGHV3-48*04

613 sequences assigned
33 (5.4%) exact matches, in which:
33 unique CDR3
5 unique J



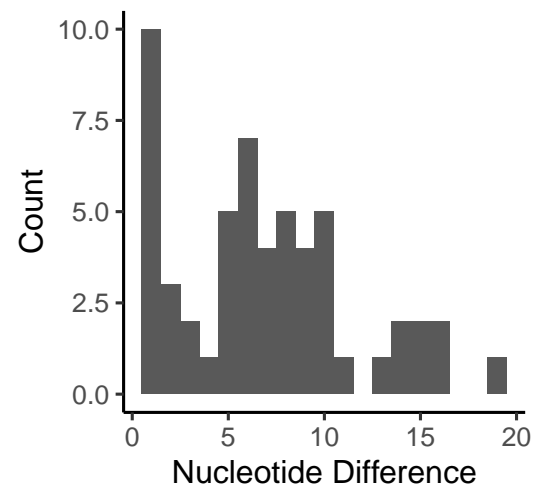
IGHV3-52*02

5 sequences assigned
No exact matches.



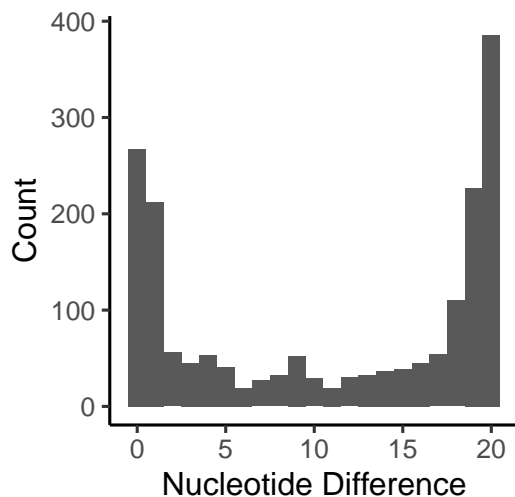
IGHV3-53*01_02

60 sequences assigned
No exact matches.



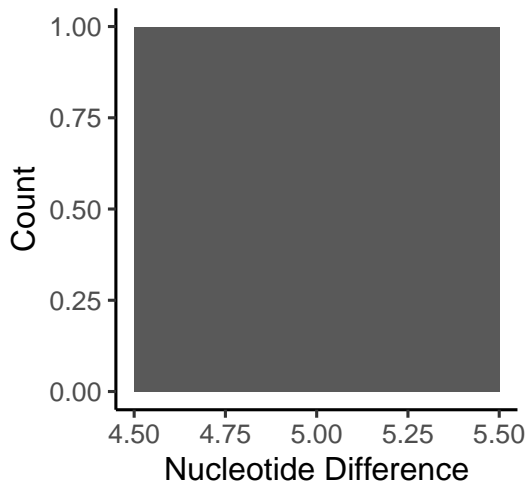
IGHV3-64*01

5482 sequences assigned
267 (4.9%) exact matches, in which:
172 unique CDR3
6 unique J



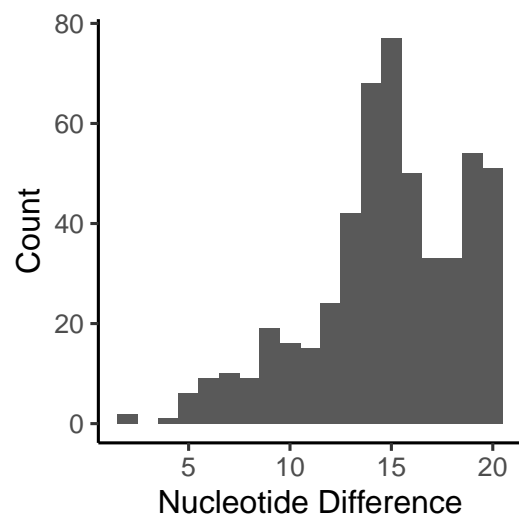
IGHV3-71*03

1 sequences assigned
No exact matches.



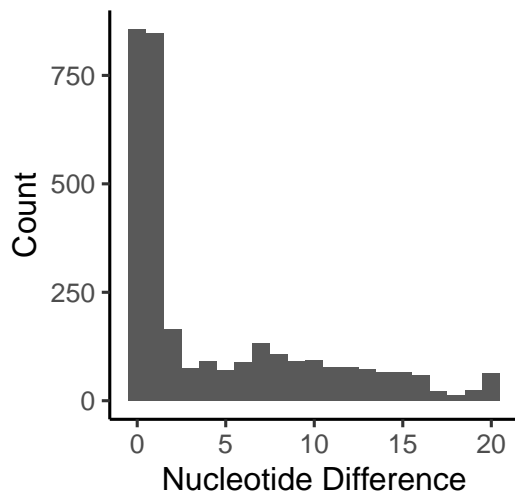
IGHV3-74*03

3835 sequences assigned
No exact matches.



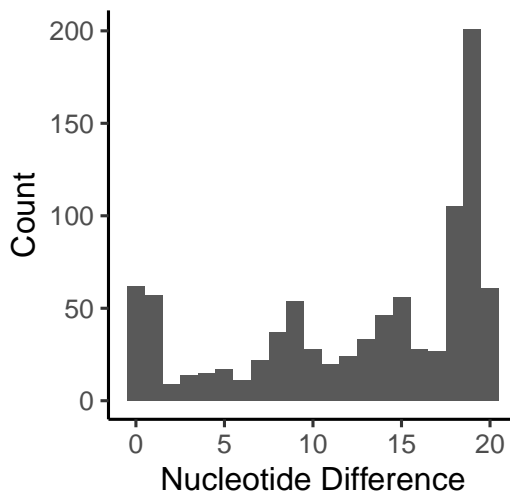
IGHV3-66*01

3976 sequences assigned
857 (21.6%) exact matches, in which:
560 unique CDR3
7 unique J



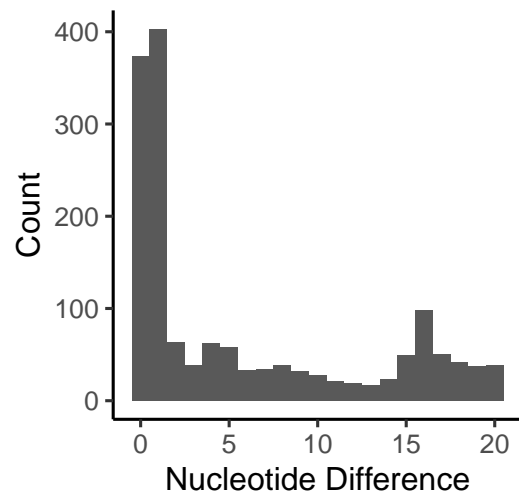
IGHV3-72*01

1145 sequences assigned
62 (5.4%) exact matches, in which:
38 unique CDR3
6 unique J



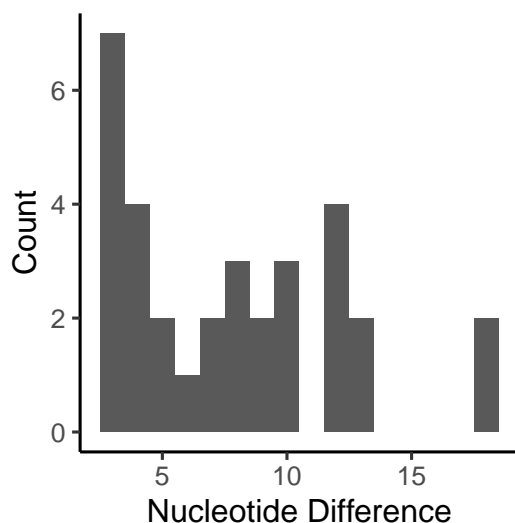
IGHV3-74*01_02

2035 sequences assigned
373 (18.3%) exact matches, in which:
210 unique CDR3
7 unique J



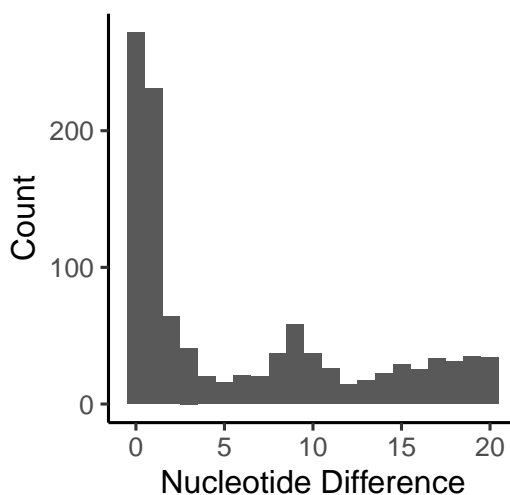
IGHV3-69-1*01

48 sequences assigned
No exact matches.



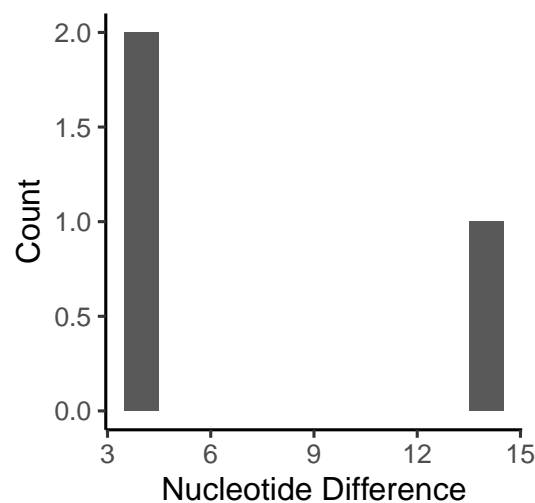
IGHV3-73*01_02

1545 sequences assigned
272 (17.6%) exact matches, in which:
161 unique CDR3
7 unique J



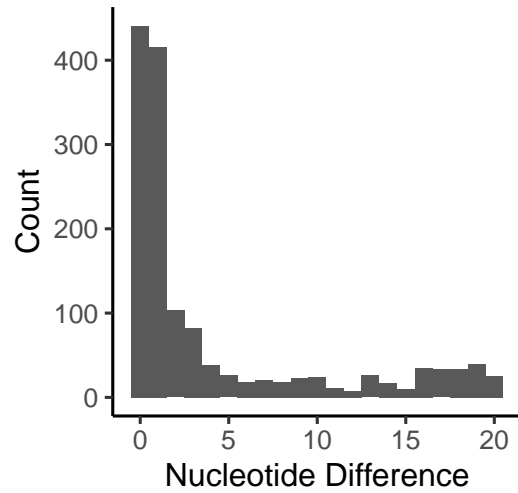
IGHV3-43D*04

3 sequences assigned
No exact matches.



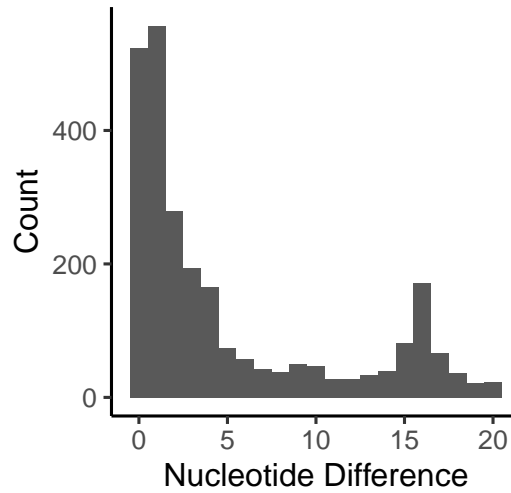
IGHV3-64D*06

3513 sequences assigned
441 (12.6%) exact matches, in which:
244 unique CDR3
7 unique J



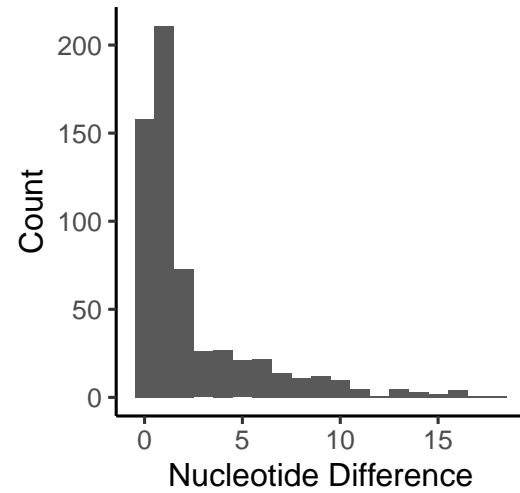
IGHV4-4*02_03

2909 sequences assigned
524 (18%) exact matches, in which:
414 unique CDR3
7 unique J



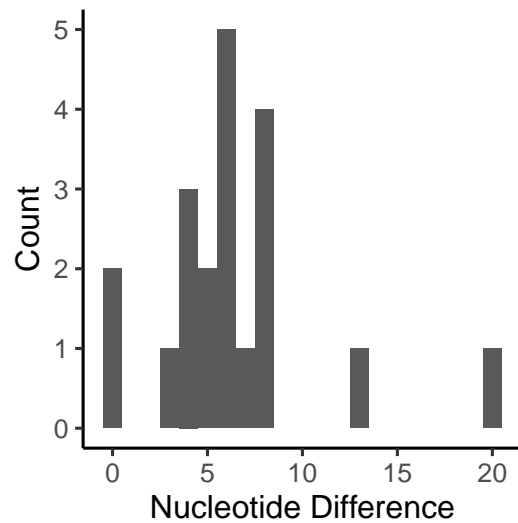
IGHV4-30-2*01

654 sequences assigned
158 (24.2%) exact matches, in which:
92 unique CDR3
5 unique J



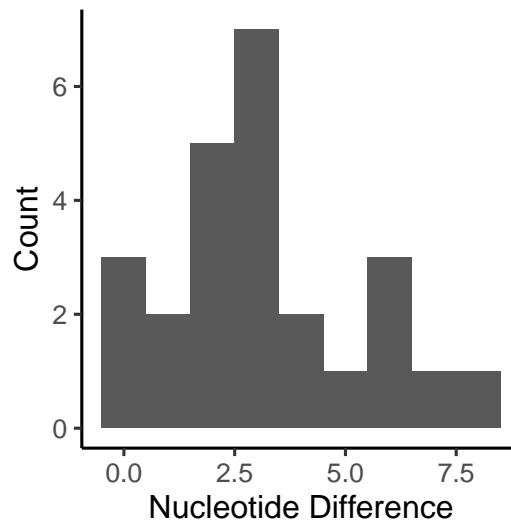
IGHV3-NL1*01

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



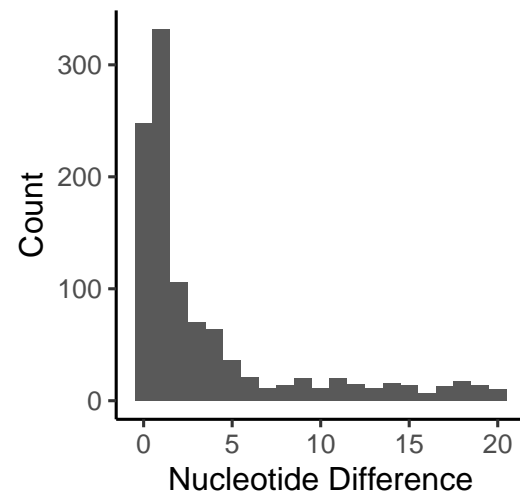
IGHV4-28*03

26 sequences assigned
3 (11.5%) exact matches, in which:
3 unique CDR3
2 unique J



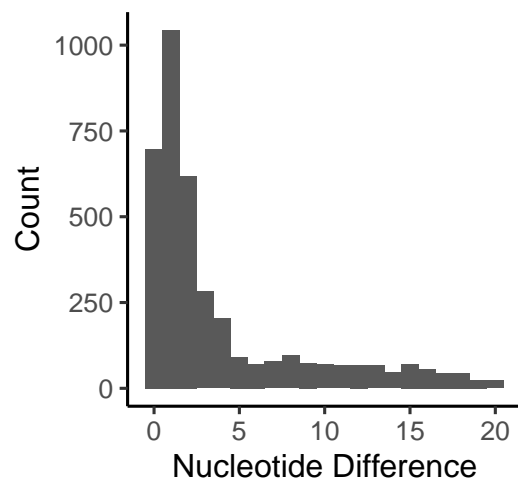
IGHV4-30-4*01

2310 sequences assigned
248 (10.7%) exact matches, in which:
183 unique CDR3
6 unique J



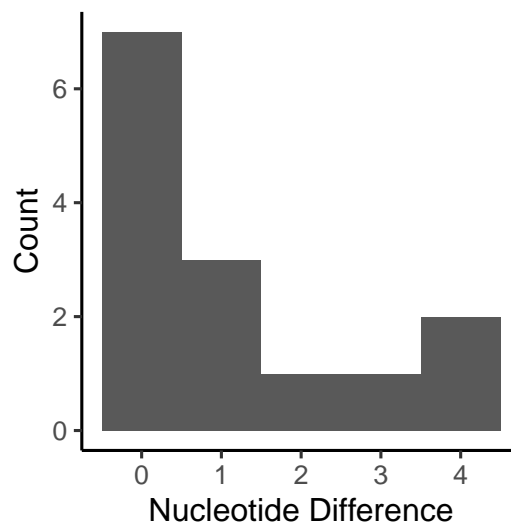
IGHV4-4*07

4009 sequences assigned
697 (17.4%) exact matches, in which:
564 unique CDR3
7 unique J



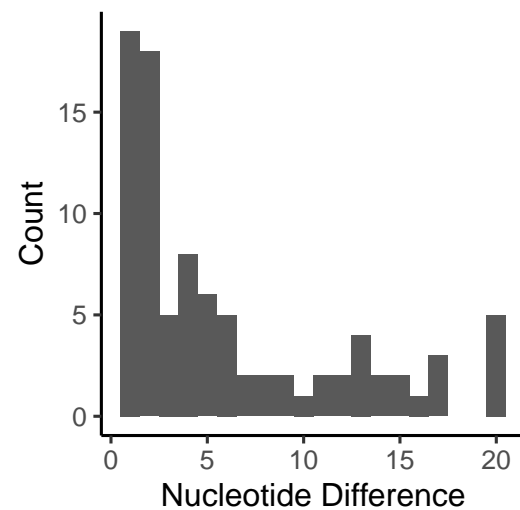
IGHV4-28*01_07

14 sequences assigned
7 (50%) exact matches, in which:
4 unique CDR3
2 unique J



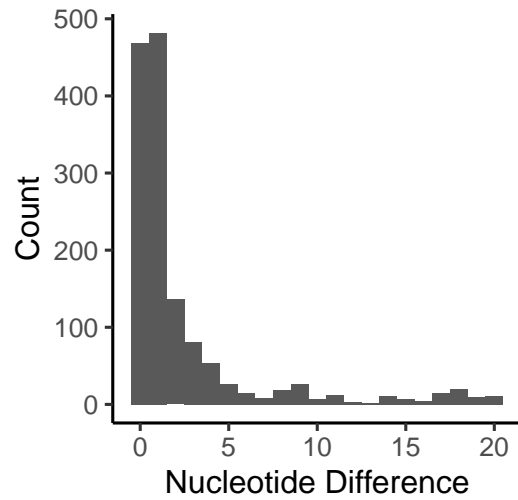
IGHV4-30-2*03

105 sequences assigned
No exact matches.



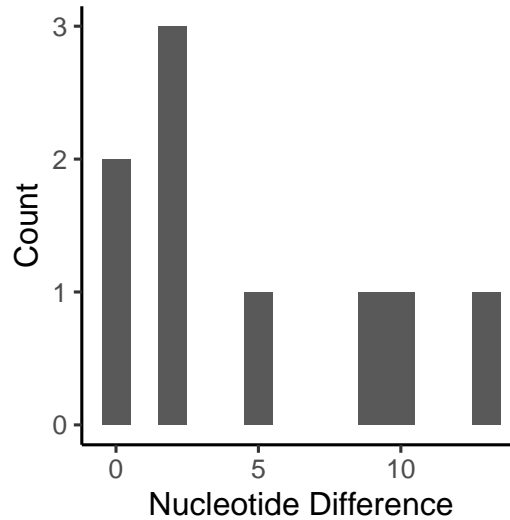
IGHV4-31*02

1634 sequences assigned
469 (28.7%) exact matches, in which:
391 unique CDR3
7 unique J



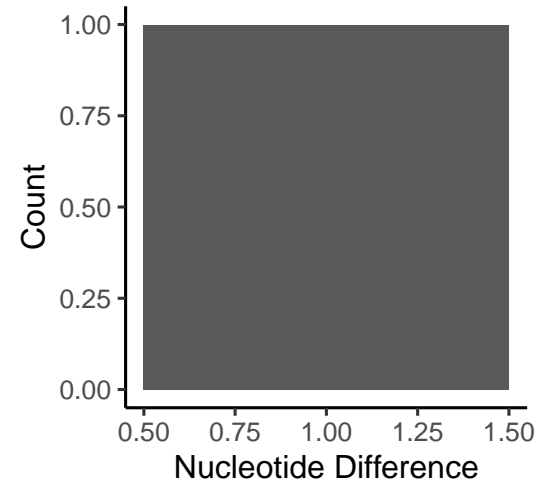
IGHV4-38-2*02

10 sequences assigned
2 (20%) exact matches, in which:
2 unique CDR3
2 unique J



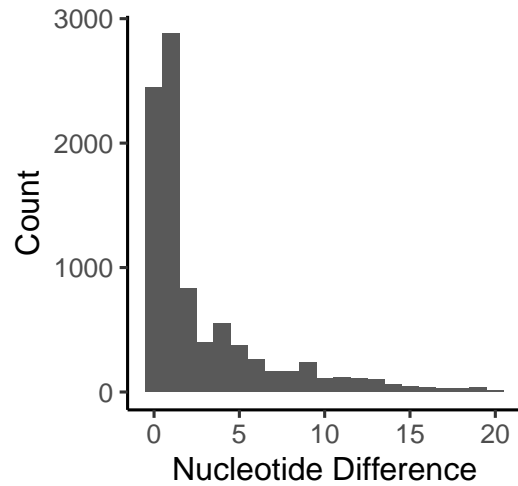
IGHV4-55*02_04_08

1 sequences assigned
No exact matches.



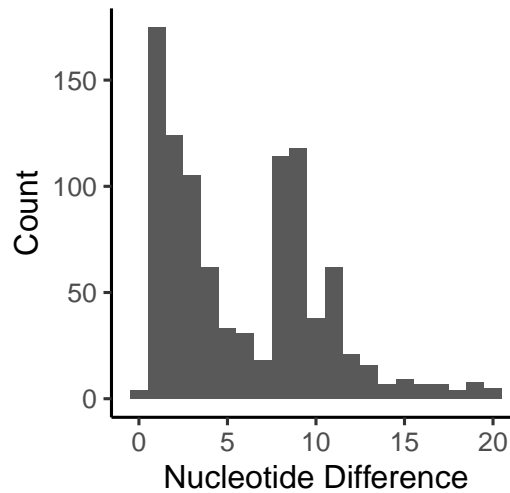
IGHV4-34*01_02

9151 sequences assigned
2448 (26.8%) exact matches, in which:
1818 unique CDR3
7 unique J



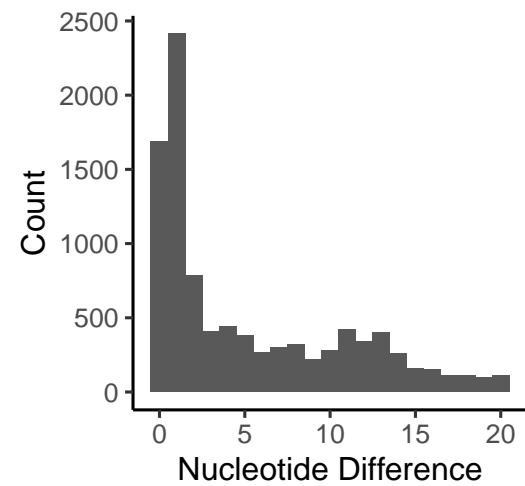
IGHV4-39*07

2869 sequences assigned
4 (0.1%) exact matches, in which:
4 unique CDR3
3 unique J



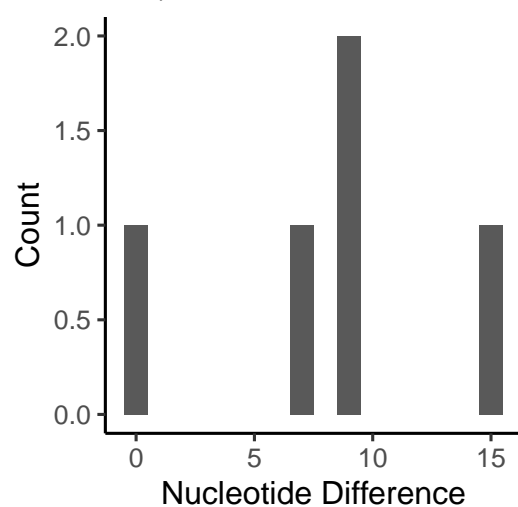
IGHV4-59*08

14678 sequences assigned
1687 (11.5%) exact matches, in which:
1271 unique CDR3
7 unique J



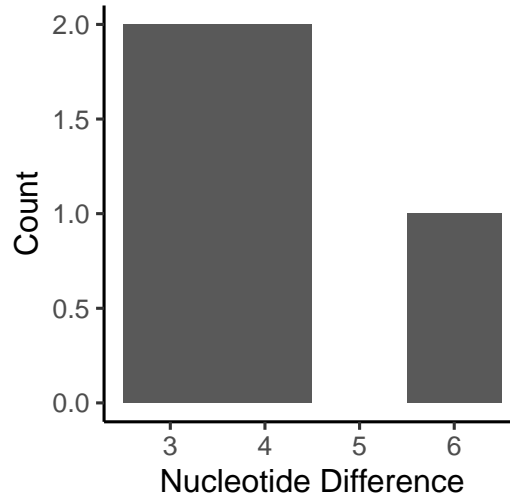
IGHV4-38-2*01

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



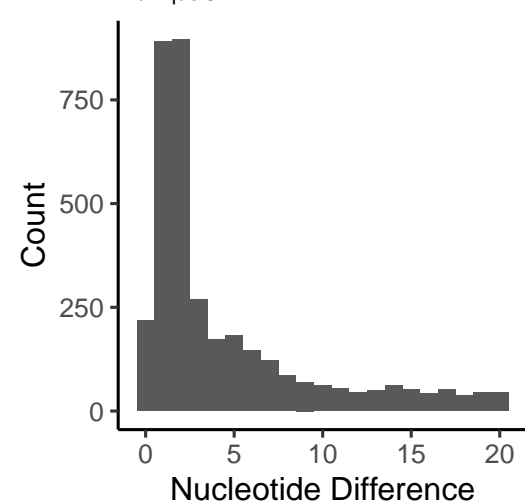
IGHV4-55*09

5 sequences assigned
No exact matches.



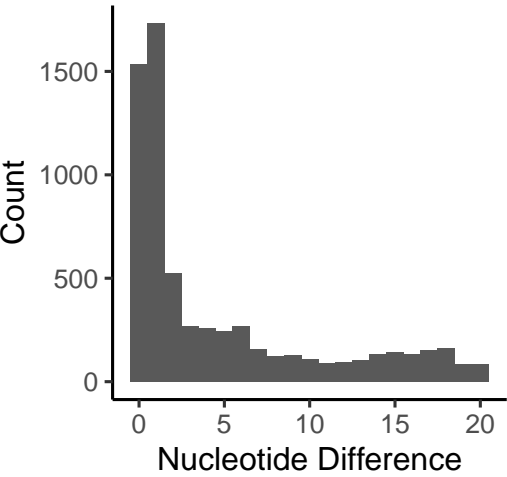
IGHV4-59*12

4245 sequences assigned
218 (5.1%) exact matches, in which:
203 unique CDR3
7 unique J



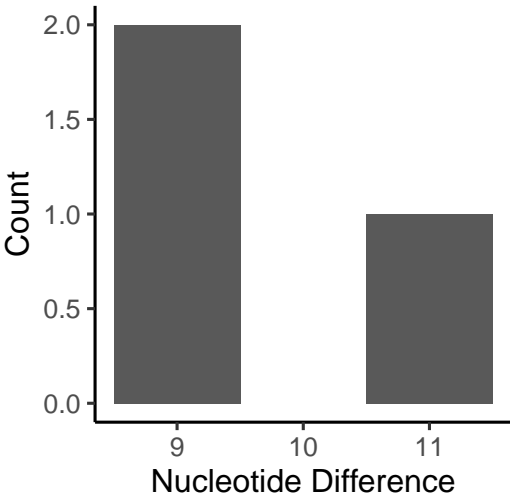
IGHV4-59*01_07

8598 sequences assigned
1536 (17.9%) exact matches, in which:
1230 unique CDR3
7 unique J



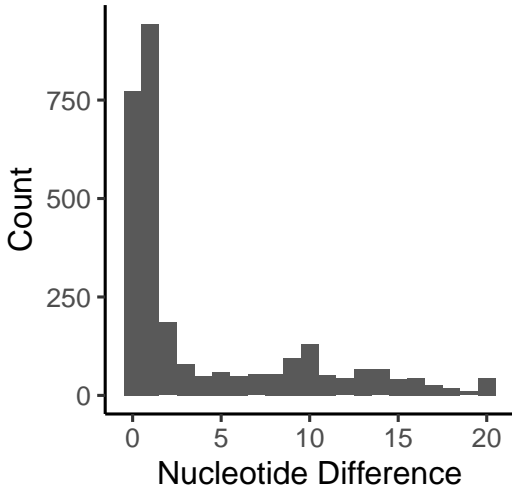
IGHV1/OR15-3*02

3 sequences assigned
No exact matches.



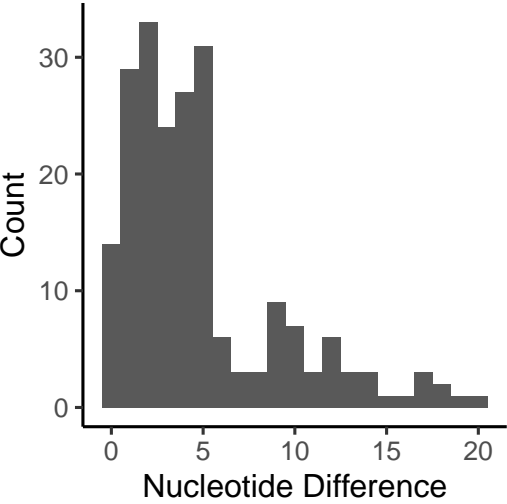
IGHV5-10-1*01_03

3148 sequences assigned
774 (24.6%) exact matches, in which:
521 unique CDR3
7 unique J



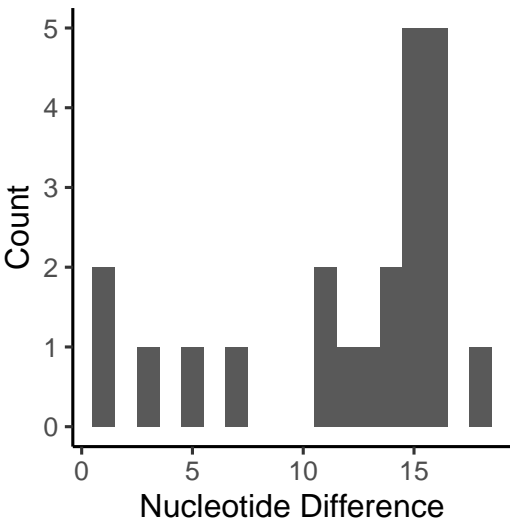
IGHV4-61*08

260 sequences assigned
14 (5.4%) exact matches, in which:
13 unique CDR3
4 unique J



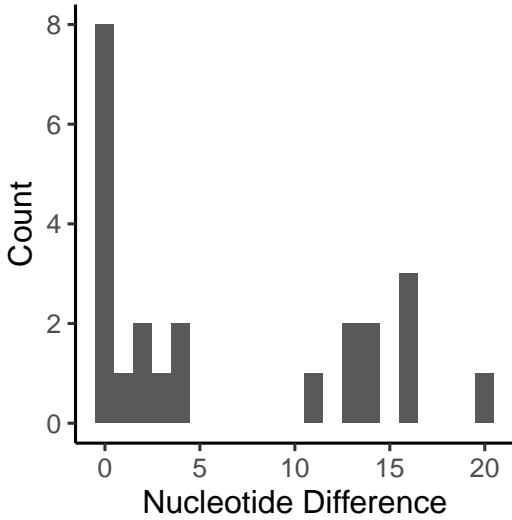
IGHV4/OR15-8*01

25 sequences assigned
No exact matches.



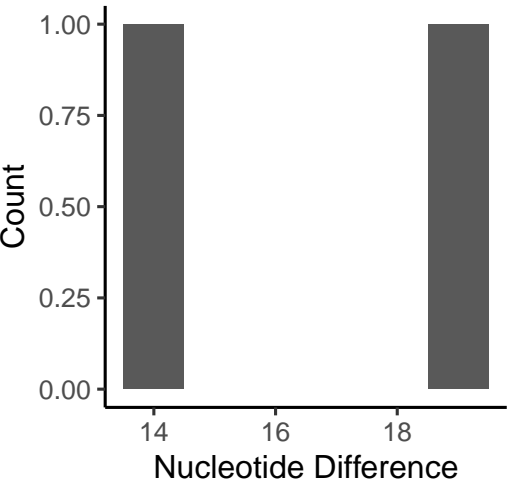
IGHV5-51*04

30 sequences assigned
8 (26.7%) exact matches, in which:
8 unique CDR3
5 unique J



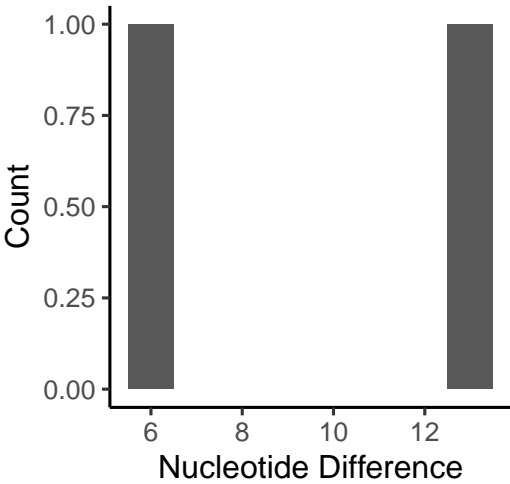
IGHV1/OR15-2*02_03

2 sequences assigned
No exact matches.



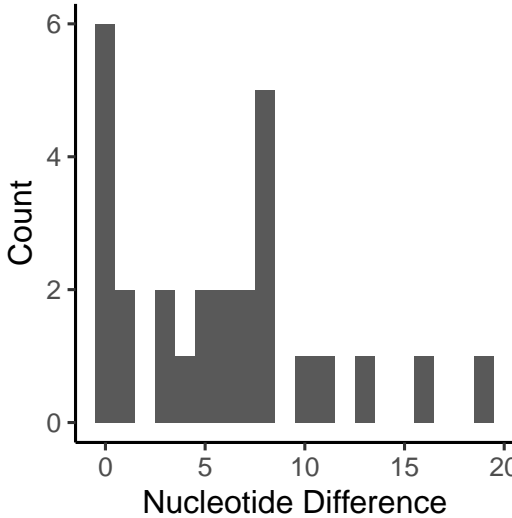
IGHV4/OR15-8*02

4 sequences assigned
No exact matches.



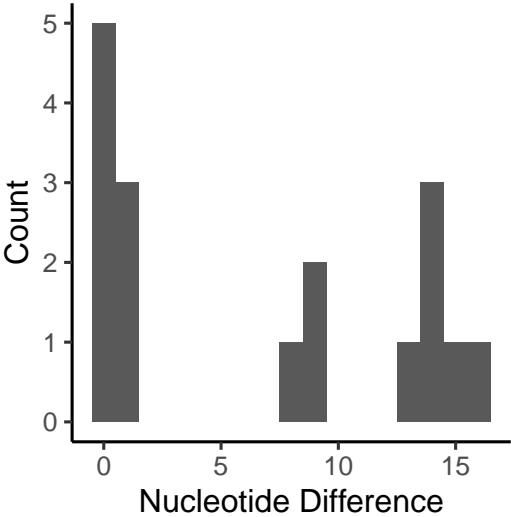
IGHV5-51*06

36 sequences assigned
6 (16.7%) exact matches, in which:
6 unique CDR3
3 unique J



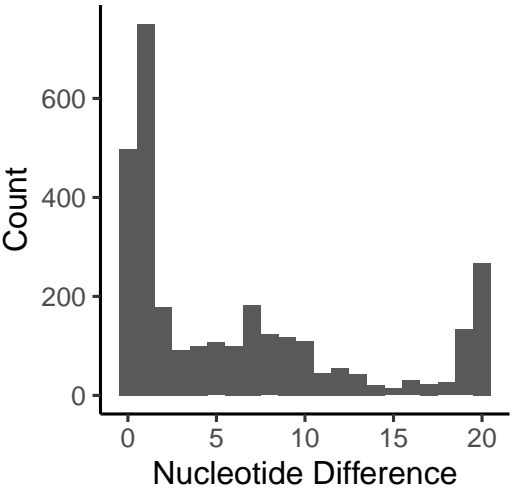
IGHV5-51*07

22 sequences assigned
5 (22.7%) exact matches, in which:
5 unique CDR3
3 unique J



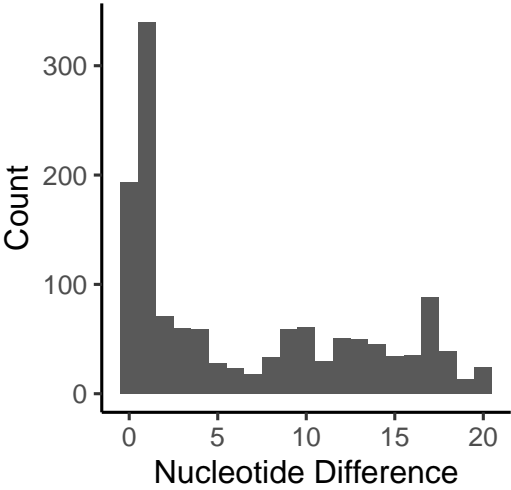
IGHV7-4-1*02

4083 sequences assigned
498 (12.2%) exact matches, in which:
377 unique CDR3
7 unique J



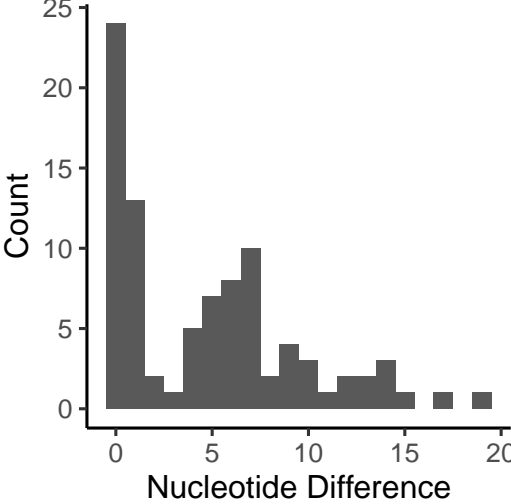
IGHV6-1*01_02

1481 sequences assigned
193 (13%) exact matches, in which:
151 unique CDR3
7 unique J

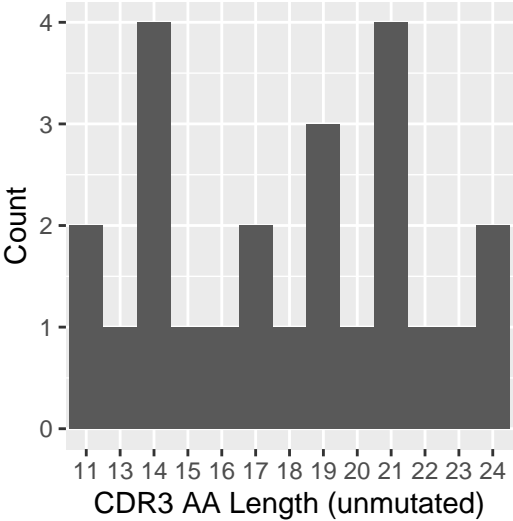


IGHV6-1*01_02_A315G

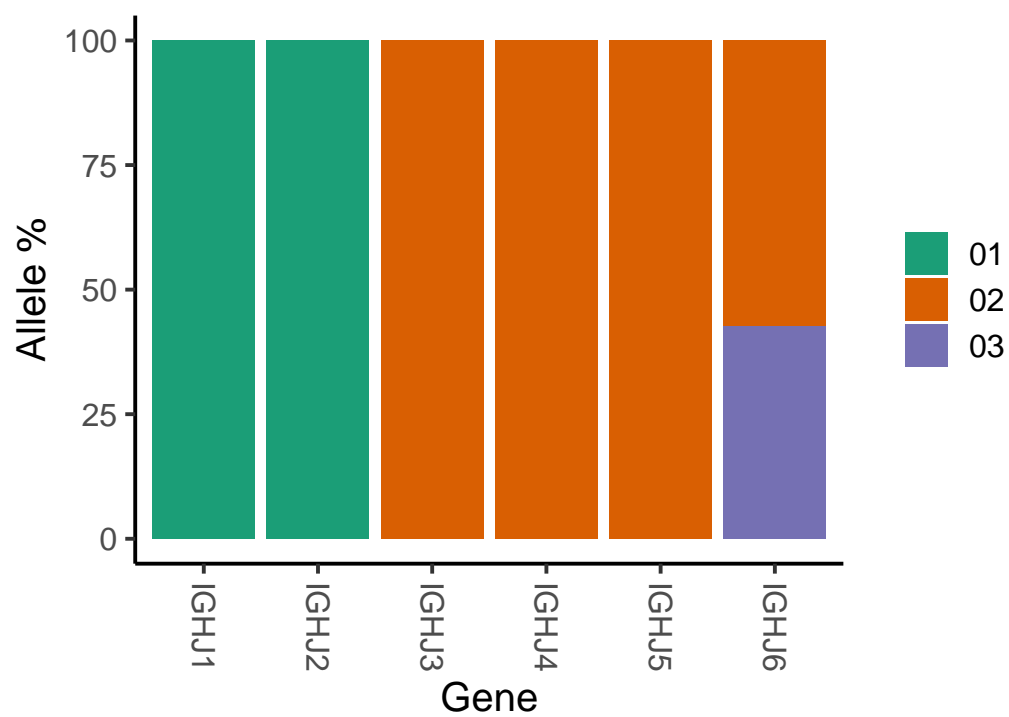
92 sequences assigned
24 (26.1%) exact matches, in which:
24 unique CDR3
6 unique J



IGHV6-1*01_02_A315G



Allele Usage



Sequence Count by IGHJ6 allele usage

