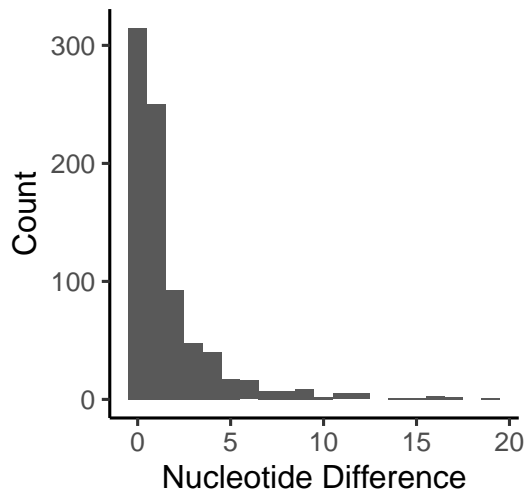


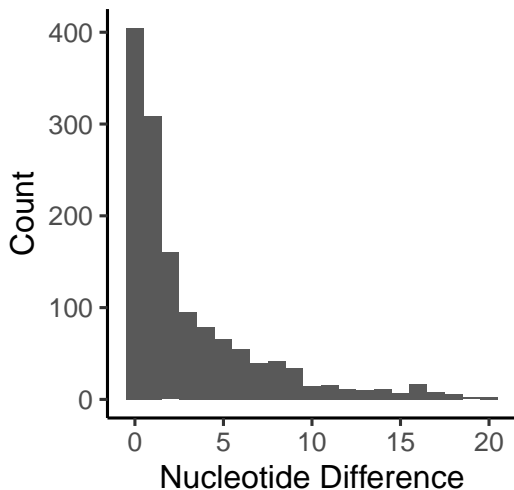
IGHV1S10*01_G167T

829 sequences assigned
315 (38%) exact matches, in which:
301 unique CDR3
7 unique J



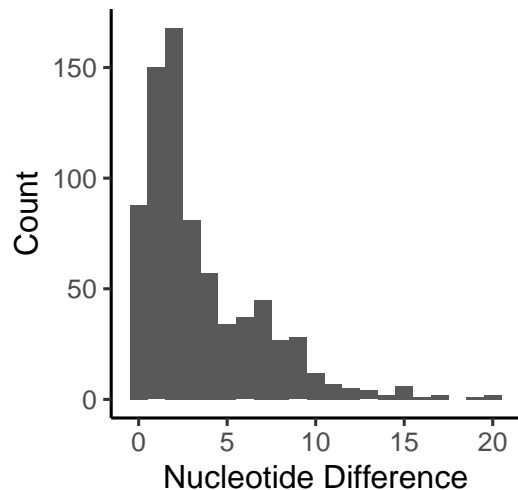
IGHV1S9*01_G18A_G49.

1402 sequences assigned
405 (28.9%) exact matches, in which:
372 unique CDR3
6 unique J



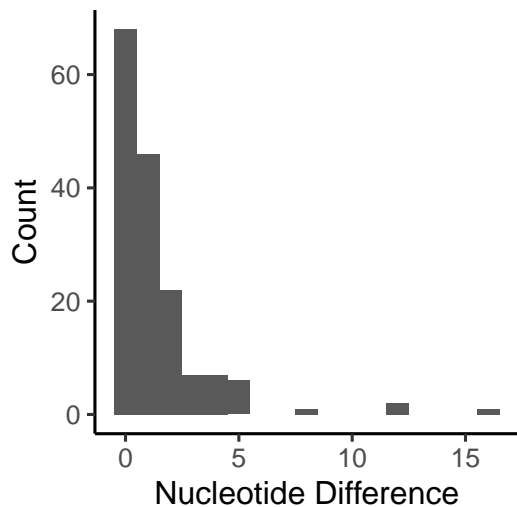
IGHV2S2*01_C6G_C34T

770 sequences assigned
88 (11.4%) exact matches, in which:
76 unique CDR3
6 unique J



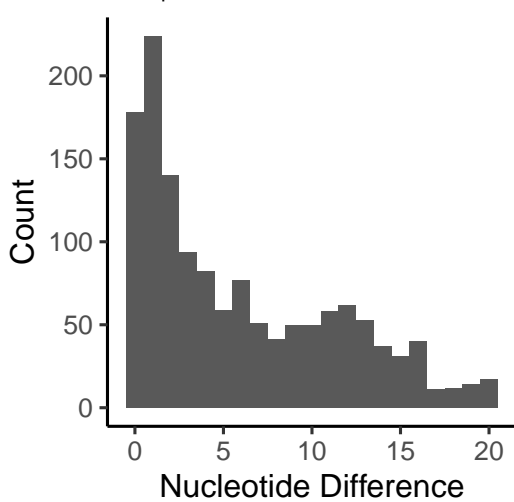
IGHV1S10*01_G61C_T63

480 sequences assigned
68 (14.2%) exact matches, in which:
66 unique CDR3
6 unique J



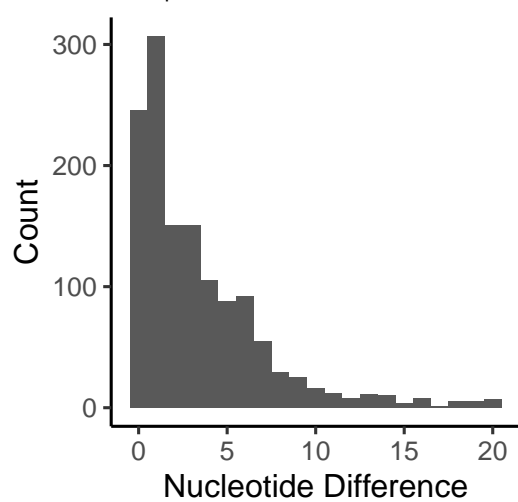
IGHV2S1*01_A156G_T16

1428 sequences assigned
178 (12.5%) exact matches, in which:
158 unique CDR3
7 unique J



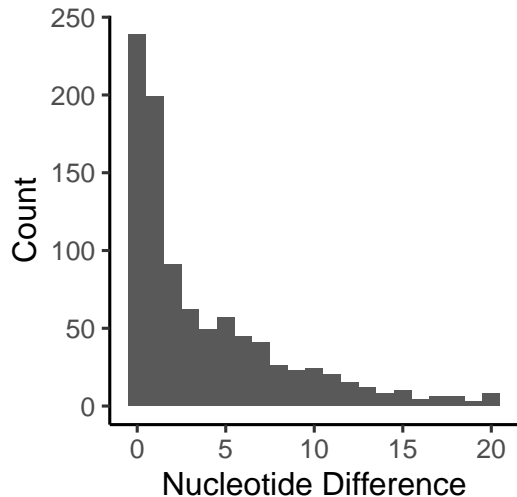
IGHV2S2*01_C6G_G115

1351 sequences assigned
246 (18.2%) exact matches, in which:
220 unique CDR3
7 unique J



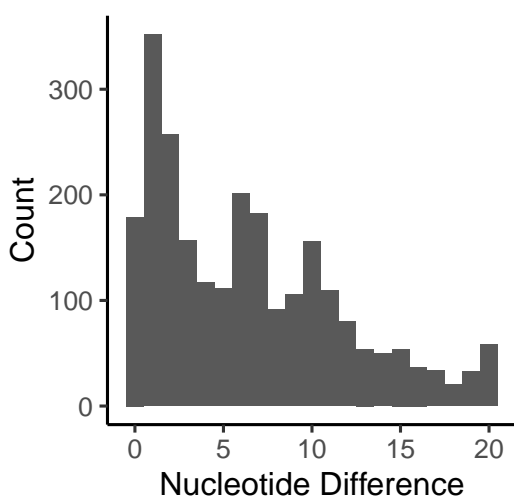
IGHV1S9*01_G18A_C151

1402 sequences assigned
239 (17%) exact matches, in which:
221 unique CDR3
7 unique J



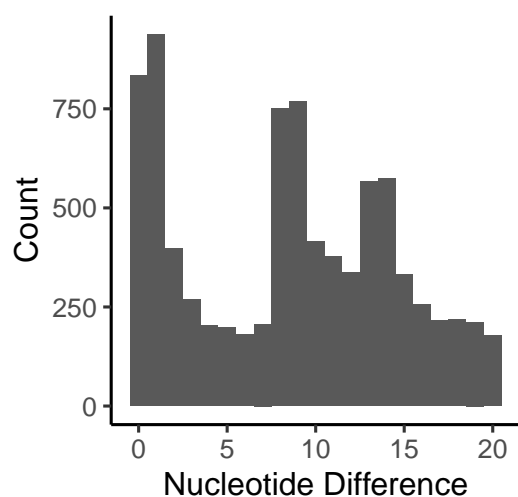
IGHV2S1*01_G6C_G36C

2592 sequences assigned
179 (6.9%) exact matches, in which:
158 unique CDR3
6 unique J



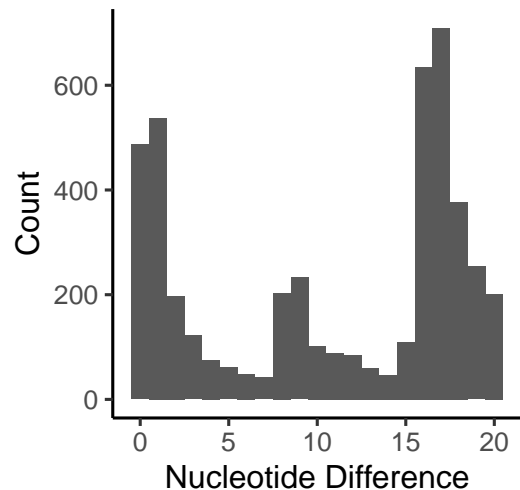
IGHV3S11*01_C267T

9451 sequences assigned
833 (8.8%) exact matches, in which:
752 unique CDR3
6 unique J



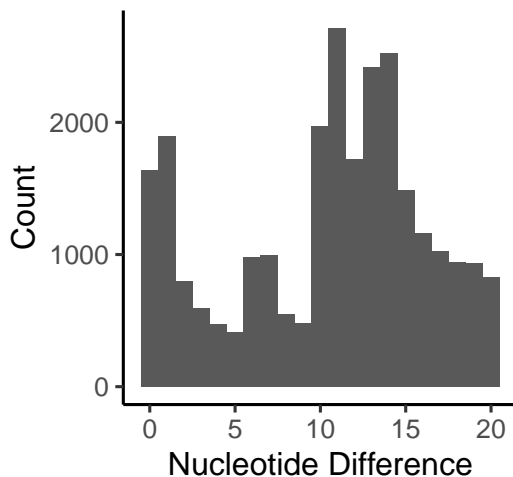
IGHV3S16*01_A116G_G

5739 sequences assigned
487 (8.5%) exact matches, in which:
432 unique CDR3
6 unique J



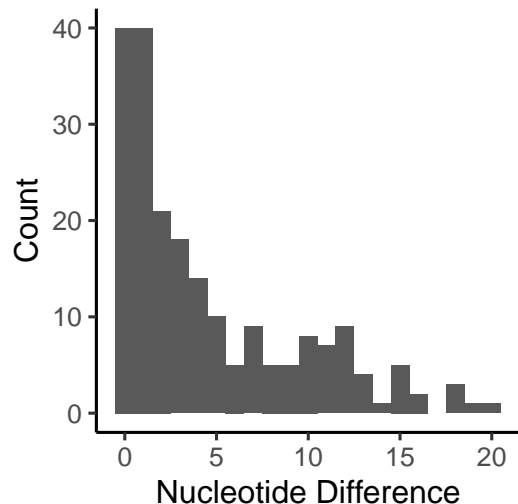
IGHV3S25*01_T78C_G1

31929 sequences assigned
1641 (5.1%) exact matches, in which:
1500 unique CDR3
7 unique J



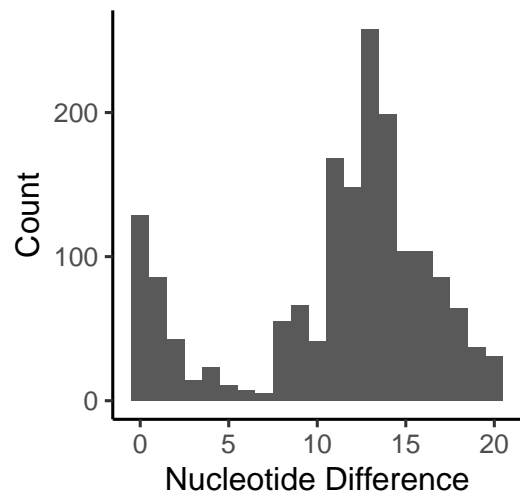
IGHV3S30*01_A19T_G20

212 sequences assigned
40 (18.9%) exact matches, in which:
33 unique CDR3
5 unique J



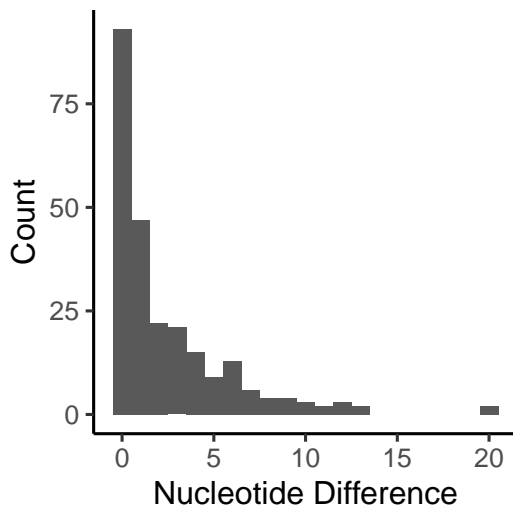
IGHV3S18*01_G3A_C27

1844 sequences assigned
129 (7%) exact matches, in which:
120 unique CDR3
7 unique J



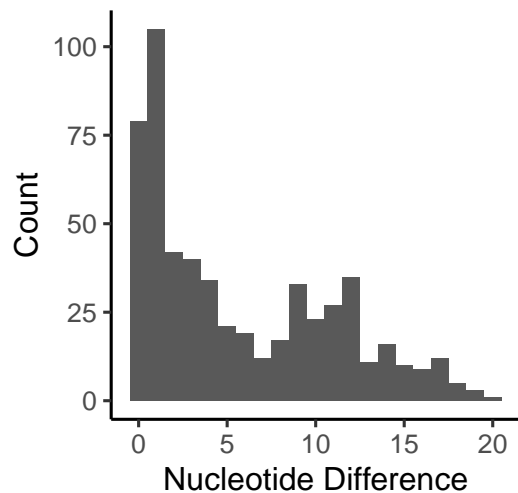
IGHV3S26*01_C3A_C54T

252 sequences assigned
93 (36.9%) exact matches, in which:
92 unique CDR3
6 unique J



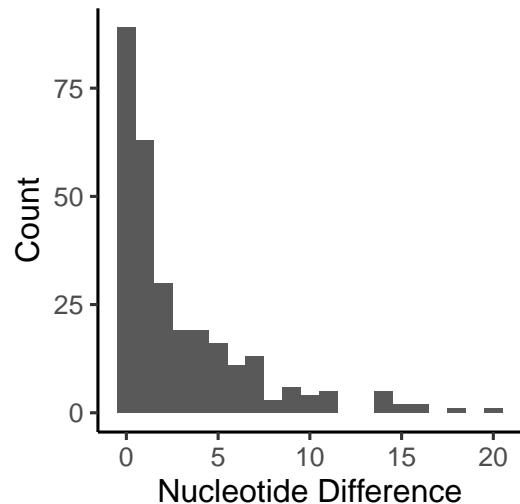
IGHV3S32*01_T128C_T1

572 sequences assigned
79 (13.8%) exact matches, in which:
72 unique CDR3
5 unique J



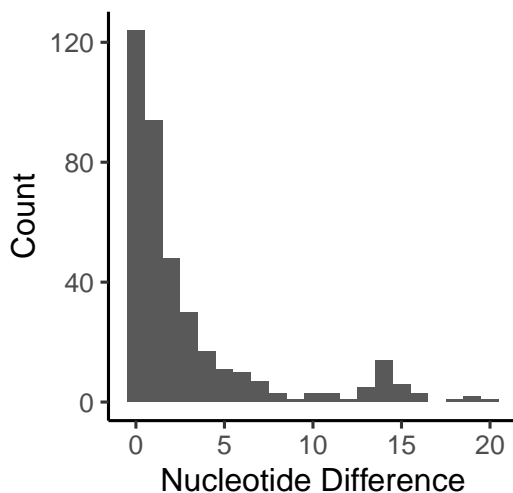
IGHV3S20*01_C34T_G26

291 sequences assigned
89 (30.6%) exact matches, in which:
83 unique CDR3
6 unique J



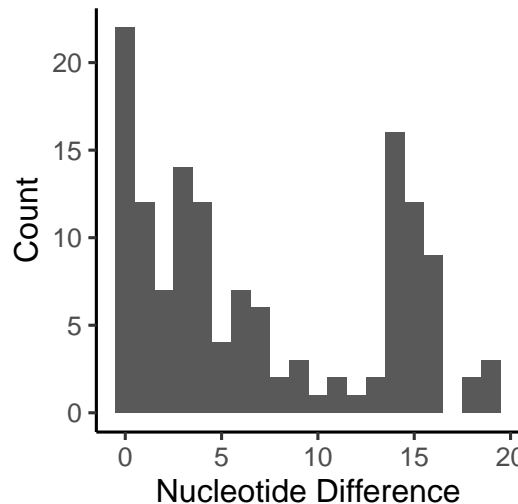
IGHV3S26*01_C3A_G12

416 sequences assigned
124 (29.8%) exact matches, in which:
119 unique CDR3
6 unique J



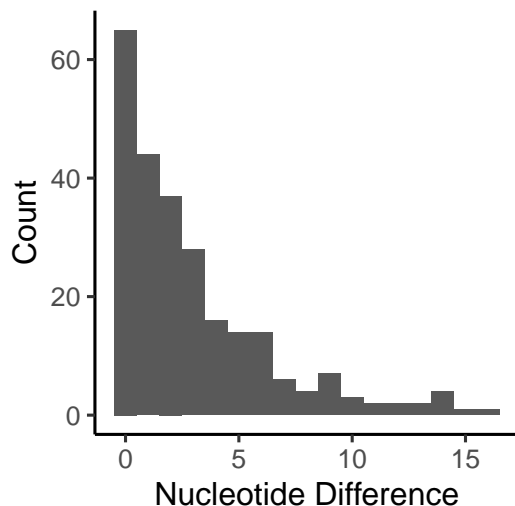
IGHV3S41*01_G3A_C10T

156 sequences assigned
22 (14.1%) exact matches, in which:
21 unique CDR3
4 unique J



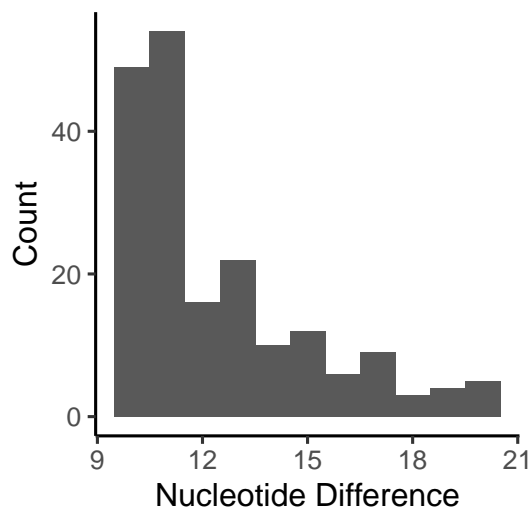
IGHV3S43*01_A7C_A15G

262 sequences assigned
65 (24.8%) exact matches, in which:
62 unique CDR3
6 unique J



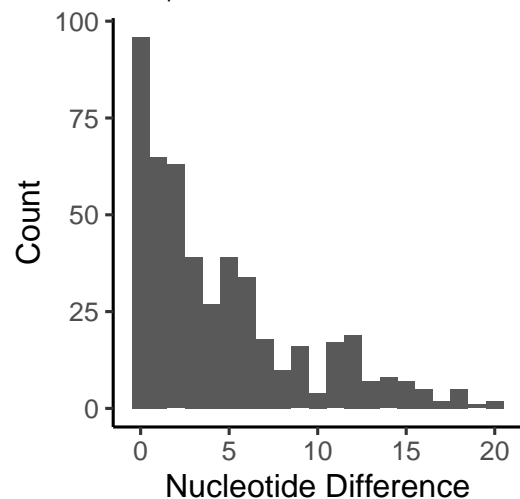
IGHV3S7*01

234 sequences assigned
No exact matches.



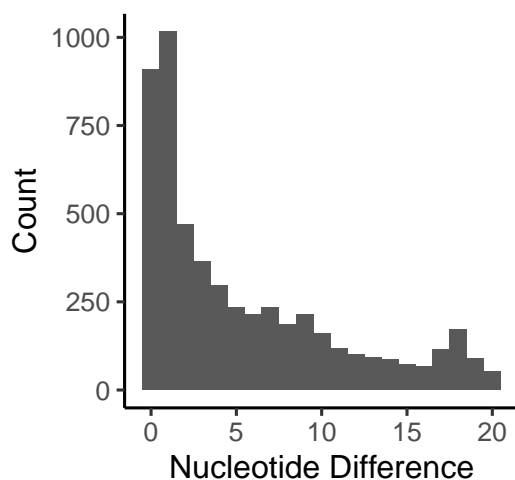
IGHV4S12*01_C7A_G48

501 sequences assigned
96 (19.2%) exact matches, in which:
89 unique CDR3
7 unique J



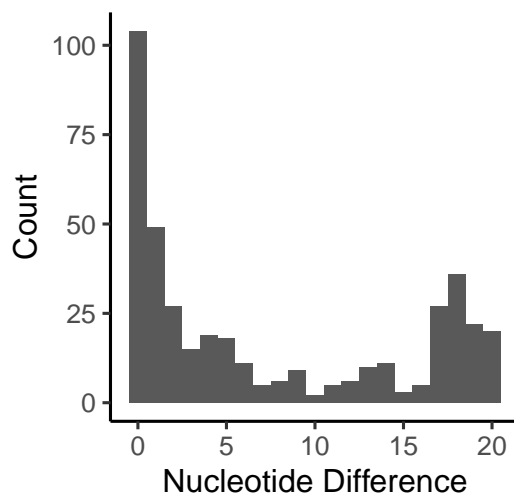
IGHV3S45*01_G26C_G1

5429 sequences assigned
909 (16.7%) exact matches, in which:
811 unique CDR3
6 unique J



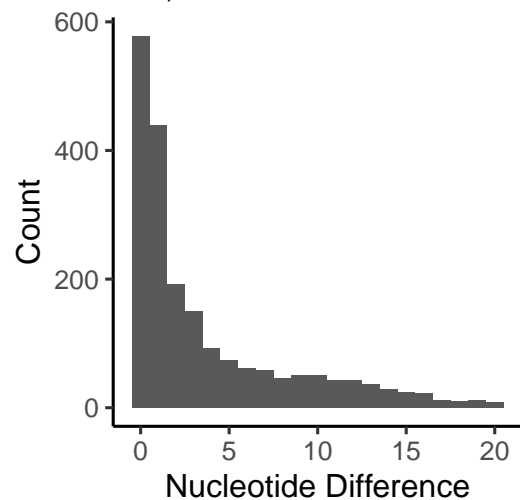
IGHV4S10*01_C90T_G1

508 sequences assigned
104 (20.5%) exact matches, in which:
101 unique CDR3
6 unique J



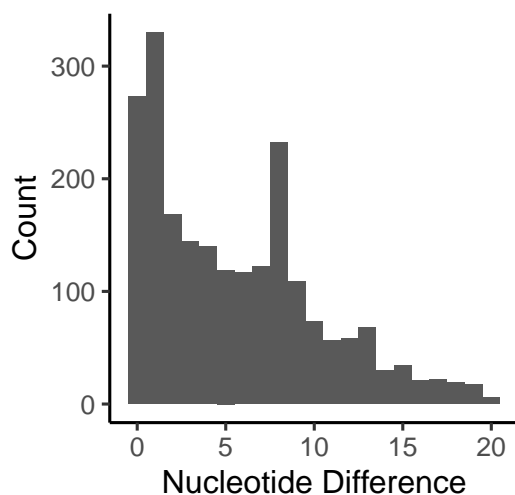
IGHV4S12*01_G34C_C9

2079 sequences assigned
578 (27.8%) exact matches, in which:
557 unique CDR3
6 unique J



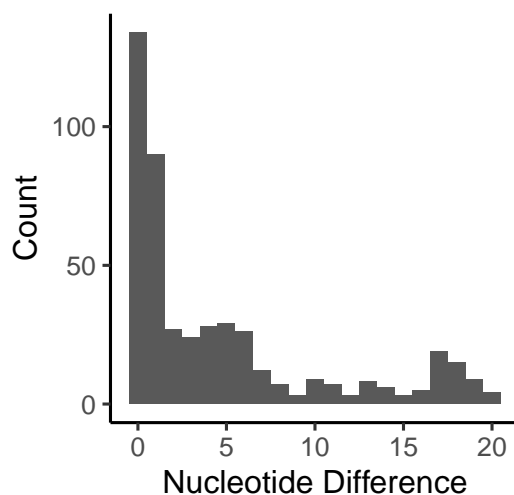
IGHV3S45*01_G26C_G1

2331 sequences assigned
273 (11.7%) exact matches, in which:
241 unique CDR3
6 unique J



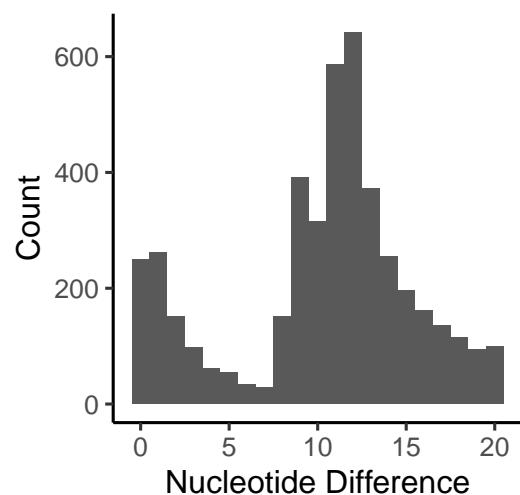
IGHV4S10*01_C90T_G1

494 sequences assigned
134 (27.1%) exact matches, in which:
131 unique CDR3
6 unique J



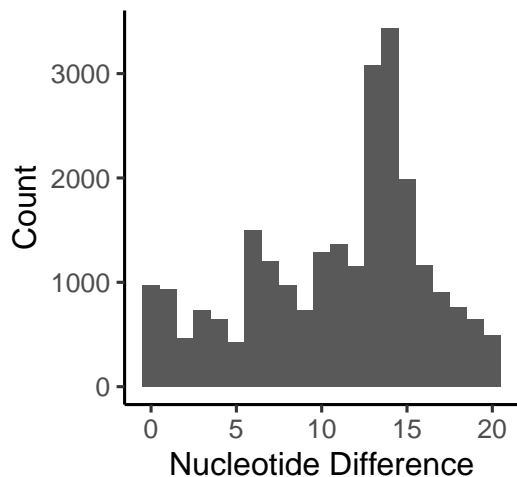
IGHV4S14*01_T90C_A16

4854 sequences assigned
250 (5.2%) exact matches, in which:
243 unique CDR3
6 unique J



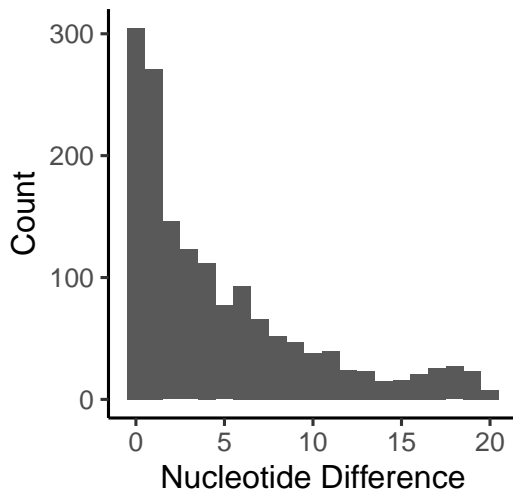
IGHV4S17*01_A166T_A

27454 sequences assigned
976 (3.6%) exact matches, in which:
945 unique CDR3
6 unique J



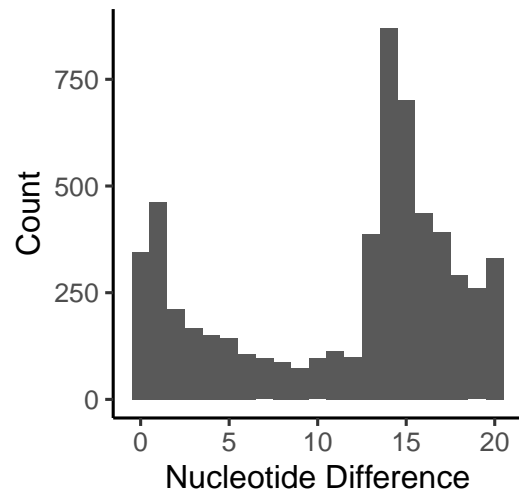
IGHV4S6*01_A70G

1641 sequences assigned
305 (18.6%) exact matches, in which:
280 unique CDR3
7 unique J



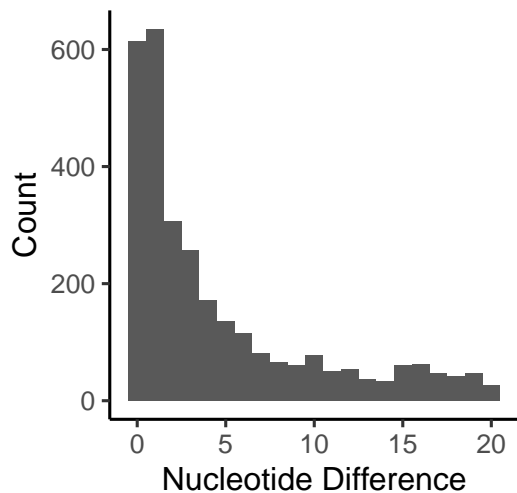
IGHV3-6*01_C61G_T122

7589 sequences assigned
345 (4.5%) exact matches, in which:
303 unique CDR3
6 unique J



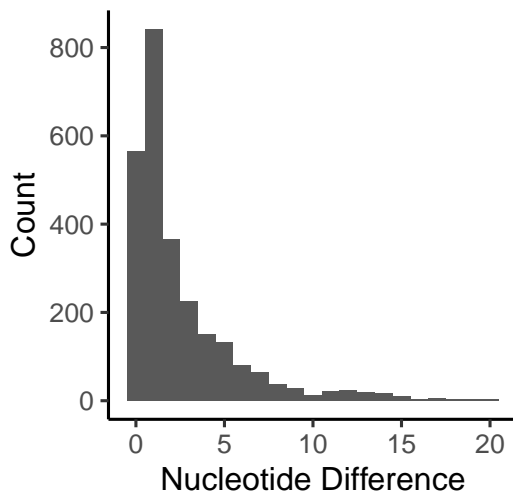
IGHV4S17*01_C136G_G

3209 sequences assigned
614 (19.1%) exact matches, in which:
582 unique CDR3
6 unique J



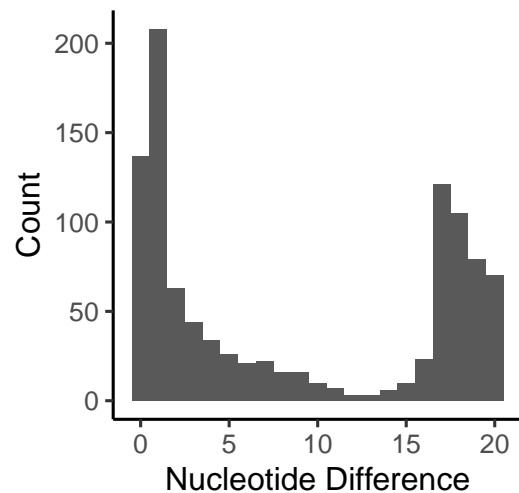
IGHV5S1*01_C45T_G51/

2627 sequences assigned
566 (21.5%) exact matches, in which:
469 unique CDR3
7 unique J



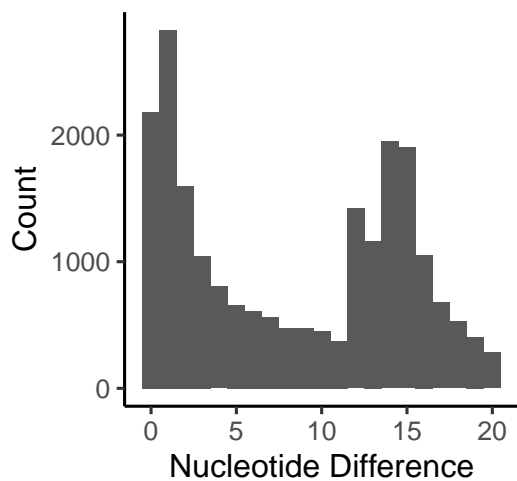
IGHV3-7*01_C167T_A17

1545 sequences assigned
137 (8.9%) exact matches, in which:
127 unique CDR3
6 unique J



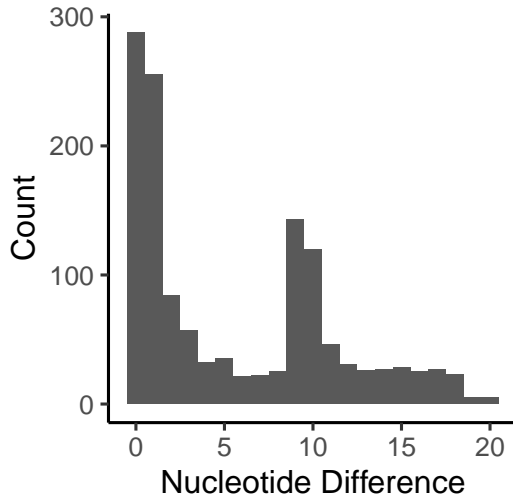
IGHV4S18*01_C34G_T1

22956 sequences assigned
2185 (9.5%) exact matches, in which:
2061 unique CDR3
7 unique J



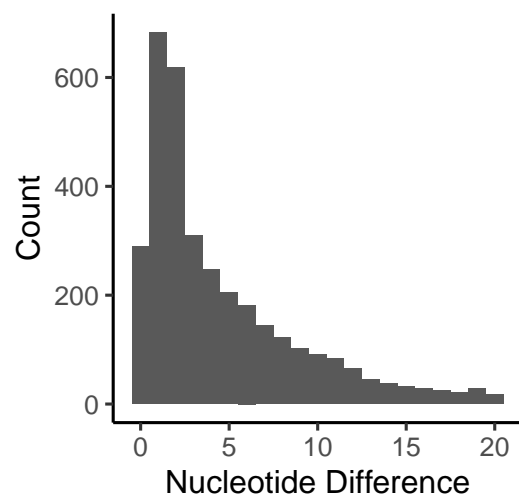
IGHV7S1*01_T84A_G115

1369 sequences assigned
288 (21%) exact matches, in which:
263 unique CDR3
7 unique J



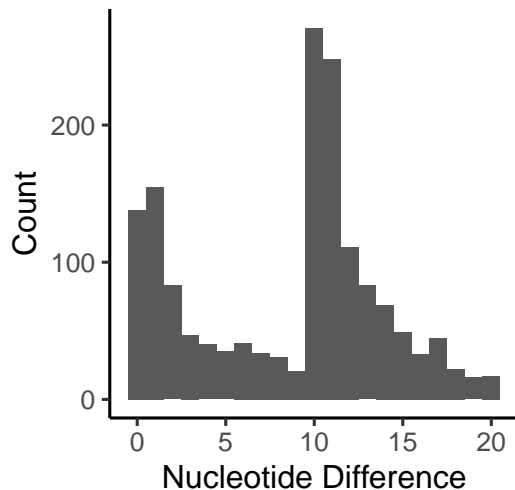
IGHV3-9*01_C262T

3454 sequences assigned
289 (8.4%) exact matches, in which:
261 unique CDR3
7 unique J



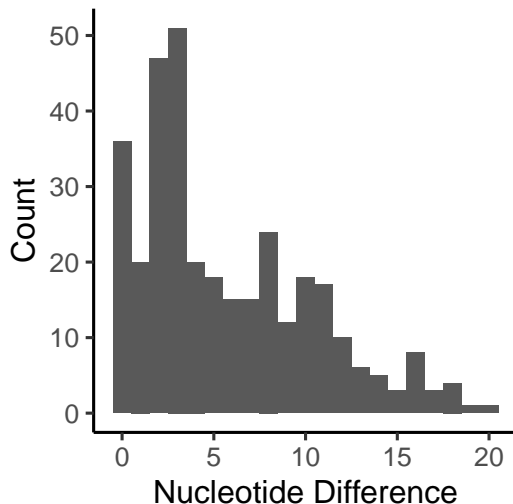
IGHV3-9*01_C78T_G121

1746 sequences assigned
138 (7.9%) exact matches, in which:
118 unique CDR3
6 unique J



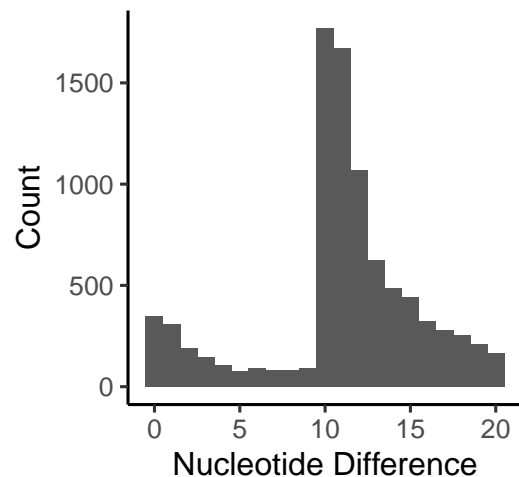
IGHV3-20*01_A169G_G1

434 sequences assigned
36 (8.3%) exact matches, in which:
33 unique CDR3
5 unique J



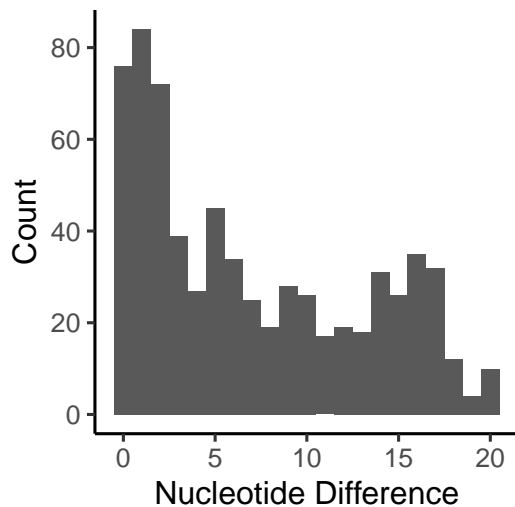
IGHV4-2*01_C4G_A113

10057 sequences assigned
349 (3.5%) exact matches, in which:
334 unique CDR3
7 unique J



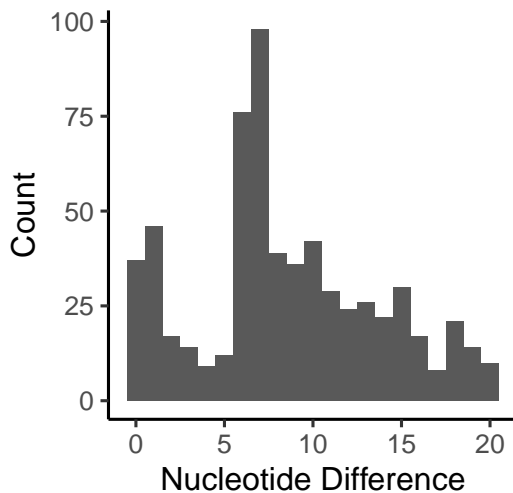
IGHV3-14*01_G110A_C1

780 sequences assigned
76 (9.7%) exact matches, in which:
66 unique CDR3
6 unique J



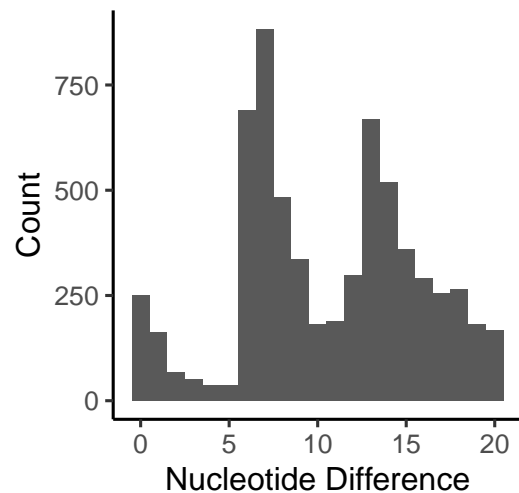
IGHV3-22*01_A39C_G4

987 sequences assigned
37 (3.7%) exact matches, in which:
36 unique CDR3
5 unique J



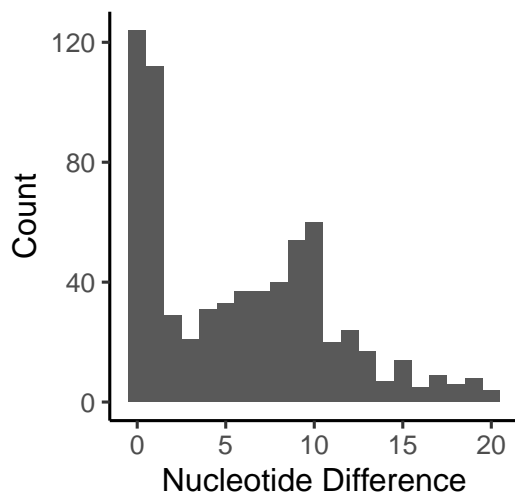
IGHV4-2*01_C4G_C173

7479 sequences assigned
250 (3.3%) exact matches, in which:
245 unique CDR3
6 unique J



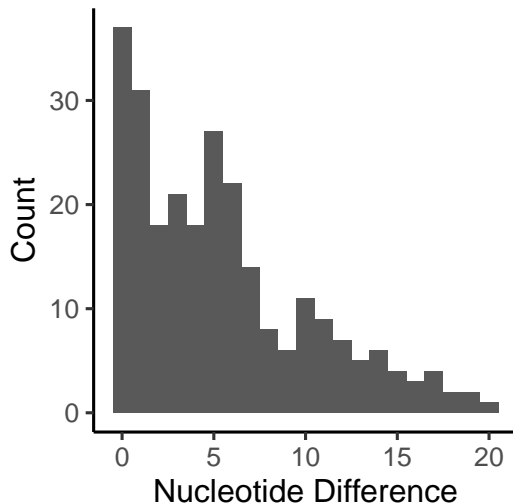
IGHV3-14*01_G110A_C1

738 sequences assigned
124 (16.8%) exact matches, in which:
112 unique CDR3
6 unique J



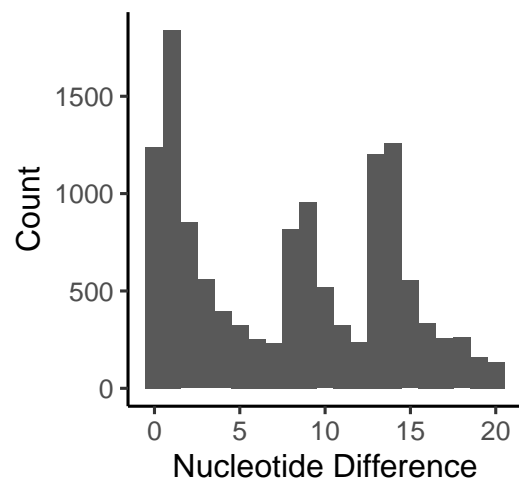
IGHV3-22*01_C10T_A22

380 sequences assigned
37 (9.7%) exact matches, in which:
34 unique CDR3
5 unique J



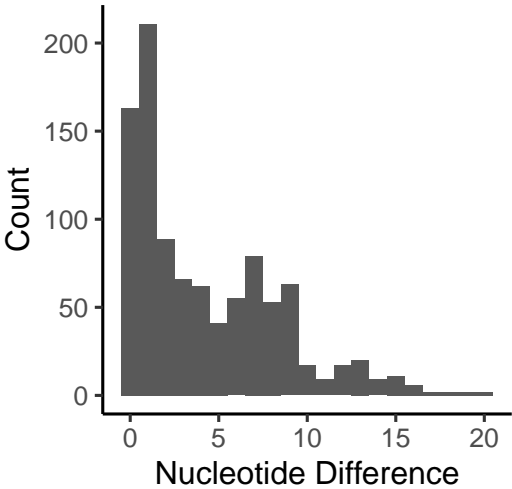
IGHV5-2*01_G51A_A59

13304 sequences assigned
1240 (9.3%) exact matches, in which:
1071 unique CDR3
7 unique J



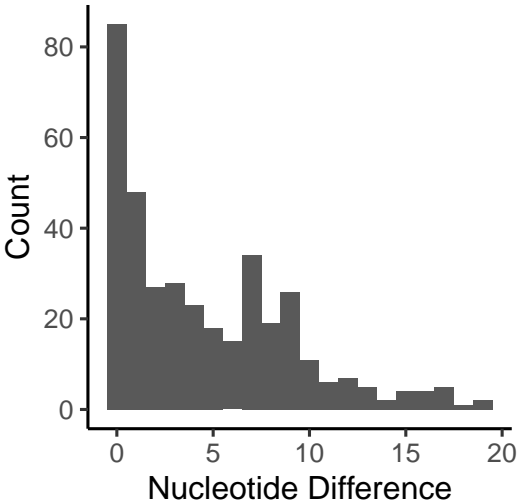
IGHV6-1*01_G233C

989 sequences assigned
163 (16.5%) exact matches, in which:
146 unique CDR3
7 unique J



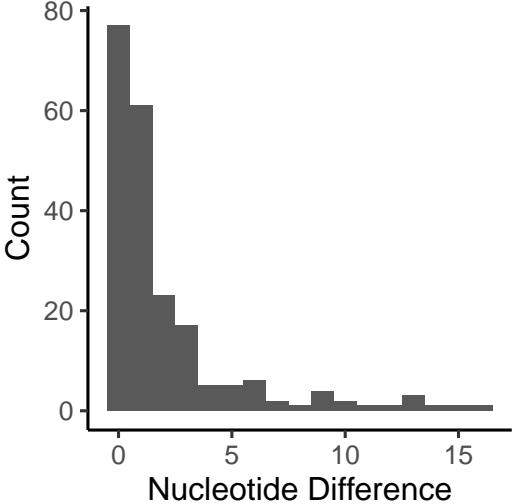
IGHV6-1*01_G233C_G283T

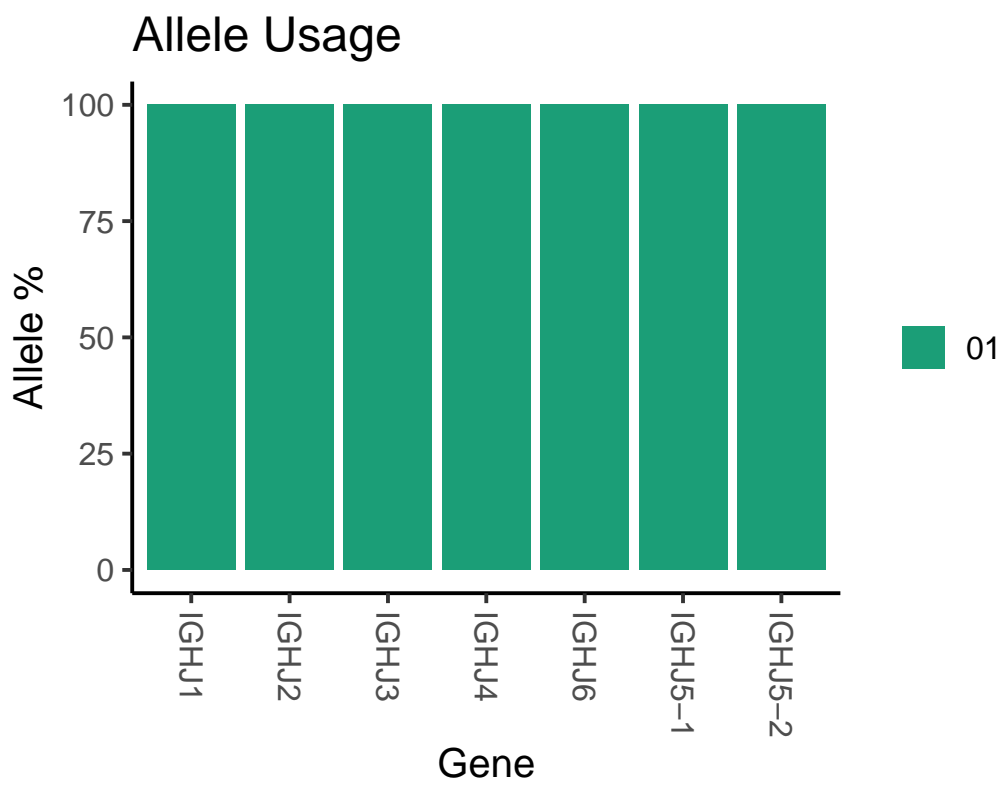
373 sequences assigned
85 (22.8%) exact matches, in which:
82 unique CDR3
7 unique J



IGHV7-1*01_A318G

212 sequences assigned
77 (36.3%) exact matches, in which:
73 unique CDR3
6 unique J





Warning – no inferred sequences found.