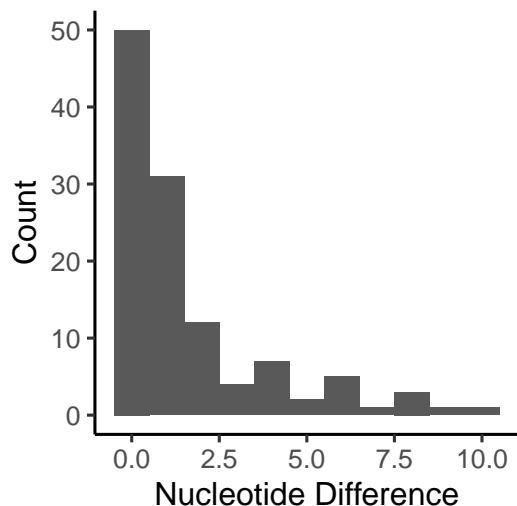


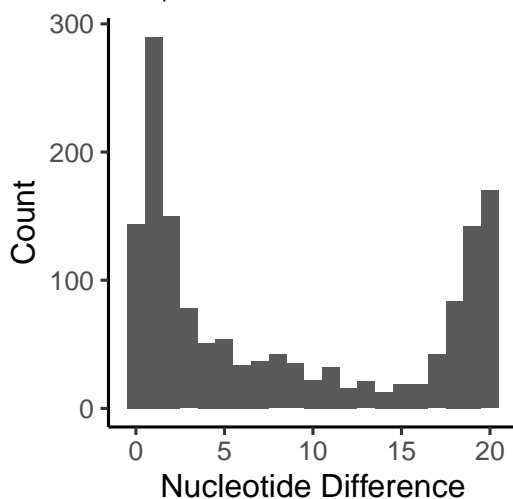
IGHV1S10*01_C93T_G16

117 sequences assigned
50 (42.7%) exact matches, in which:
46 unique CDR3
6 unique J



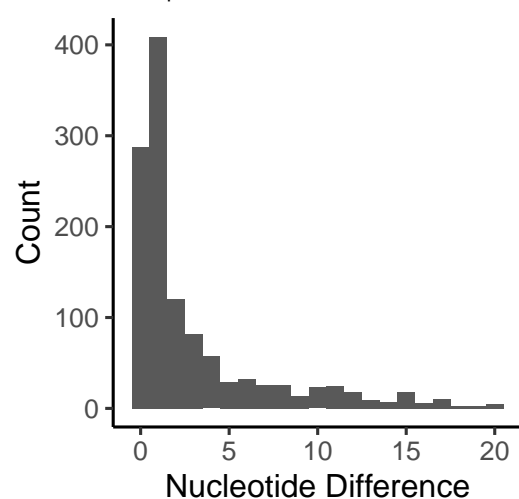
IGHV2S1*01_G6C_G36C

7347 sequences assigned
144 (2%) exact matches, in which:
120 unique CDR3
6 unique J



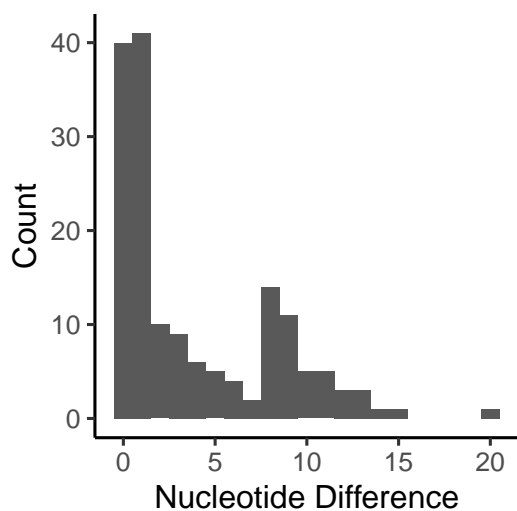
IGHV3S16*01_A116G_G

1381 sequences assigned
288 (20.9%) exact matches, in which:
253 unique CDR3
6 unique J



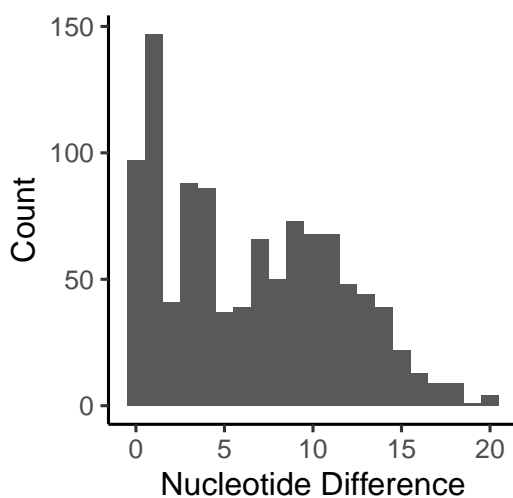
IGHV1S10*01_G167T

162 sequences assigned
40 (24.7%) exact matches, in which:
38 unique CDR3
5 unique J



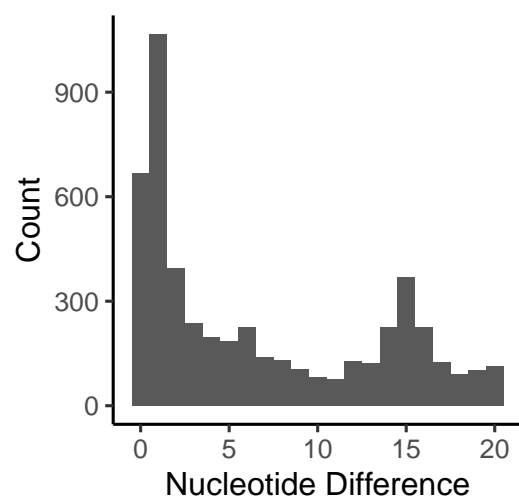
IGHV2S1*01_G6C_G36C

1110 sequences assigned
97 (8.7%) exact matches, in which:
87 unique CDR3
6 unique J



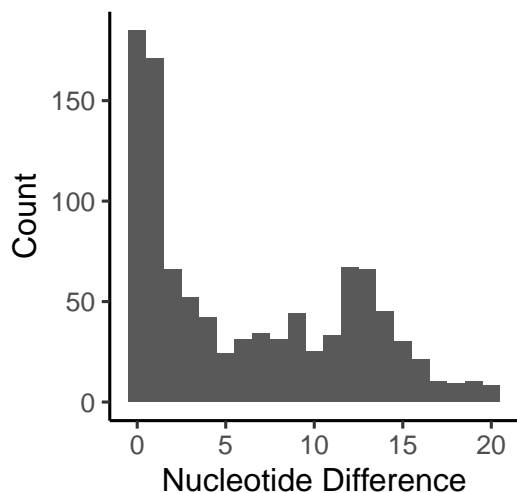
IGHV3S16*01_G24A_A1

5926 sequences assigned
667 (11.3%) exact matches, in which:
584 unique CDR3
6 unique J



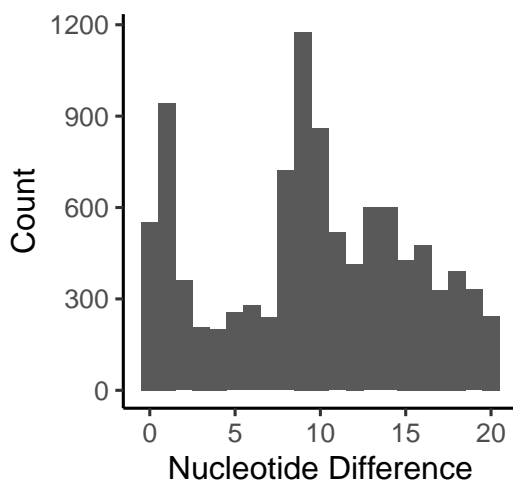
IGHV1S9*01_G18A_G49

1247 sequences assigned
185 (14.8%) exact matches, in which:
169 unique CDR3
6 unique J



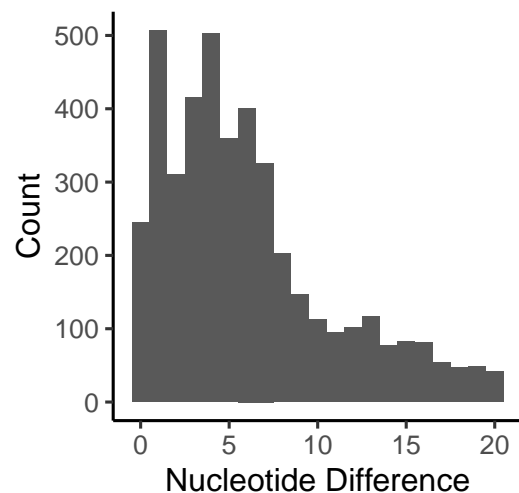
IGHV3S11*01_C267T

11771 sequences assigned
553 (4.7%) exact matches, in which:
468 unique CDR3
6 unique J



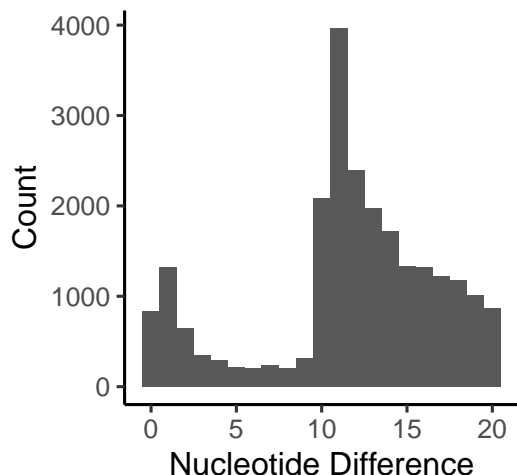
IGHV3S18*01_G3A_C27

4582 sequences assigned
245 (5.3%) exact matches, in which:
212 unique CDR3
6 unique J



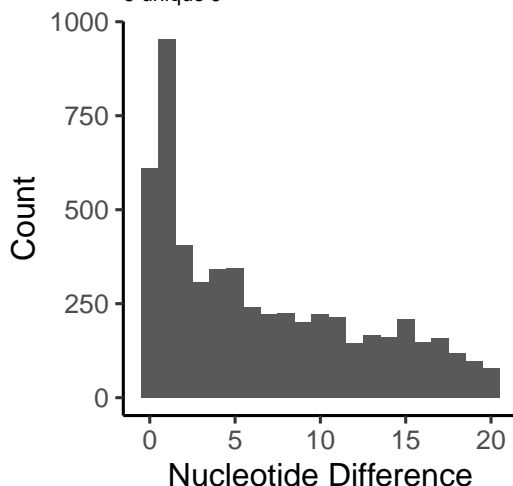
IGHV3S25*01_T78C_G1

30249 sequences assigned
840 (2.8%) exact matches, in which:
717 unique CDR3
6 unique J



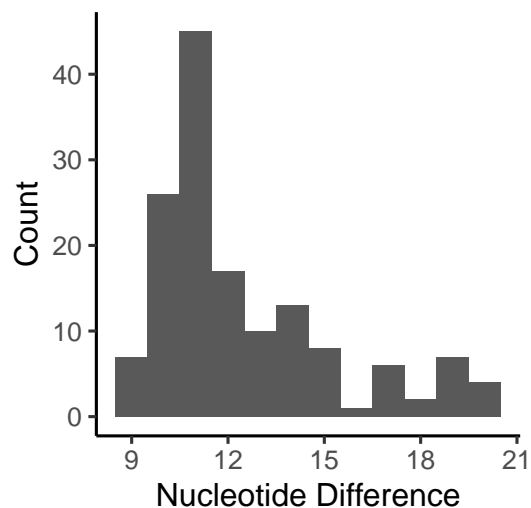
IGHV3S45*01_G26C_G1

6116 sequences assigned
611 (10%) exact matches, in which:
523 unique CDR3
6 unique J



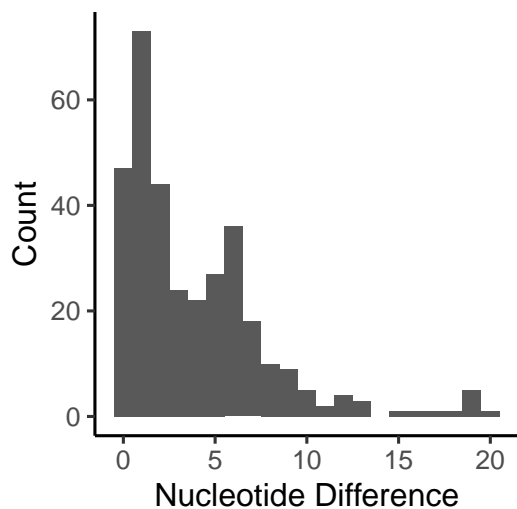
IGHV3S7*01

522 sequences assigned
No exact matches.



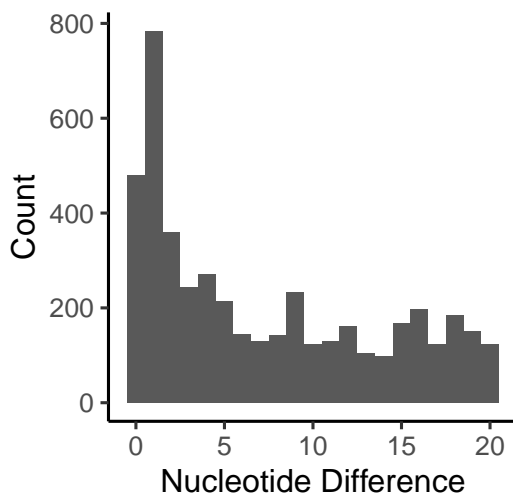
IGHV3S26*01_C3A_C54T

348 sequences assigned
47 (13.5%) exact matches, in which:
44 unique CDR3
4 unique J



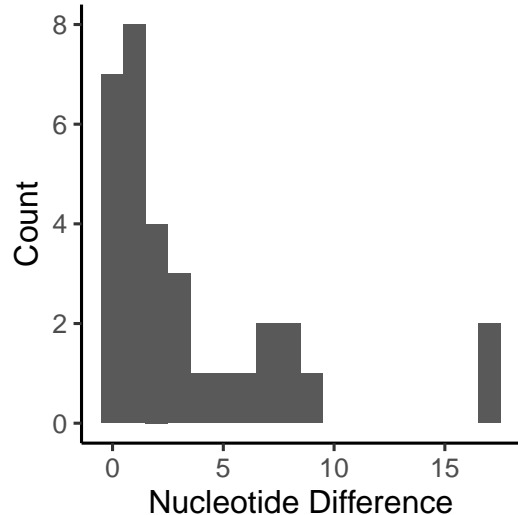
IGHV3S45*01_G26C_G1

4948 sequences assigned
479 (9.7%) exact matches, in which:
411 unique CDR3
6 unique J



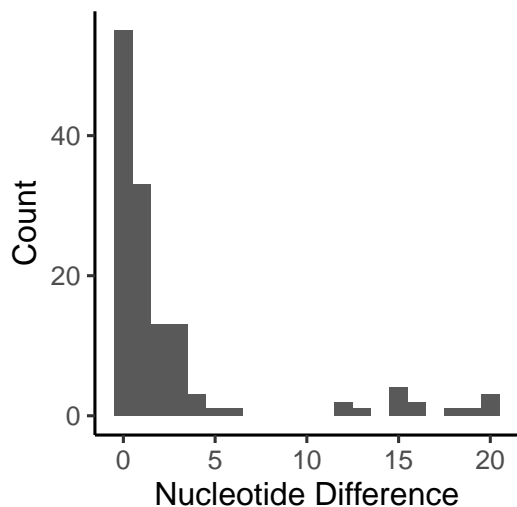
IGHV4S10*01_C90T_G109

62 sequences assigned
7 (11.3%) exact matches, in which:
5 unique CDR3
4 unique J



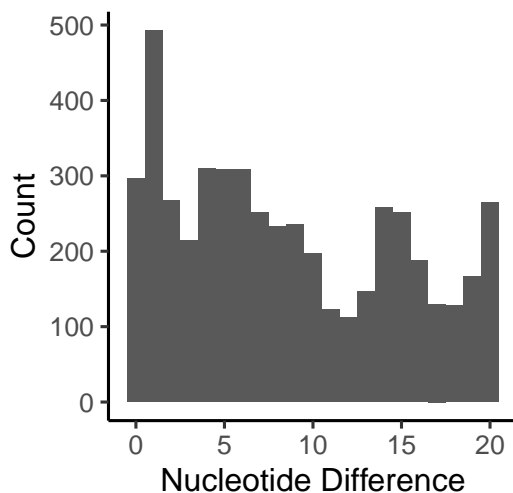
IGHV3S26*01_C3A_G127

238 sequences assigned
55 (23.1%) exact matches, in which:
52 unique CDR3
5 unique J



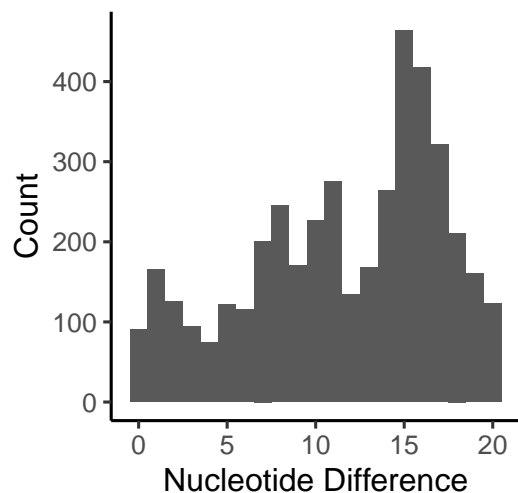
IGHV3S5*01_G160A_G1

6049 sequences assigned
297 (4.9%) exact matches, in which:
264 unique CDR3
6 unique J



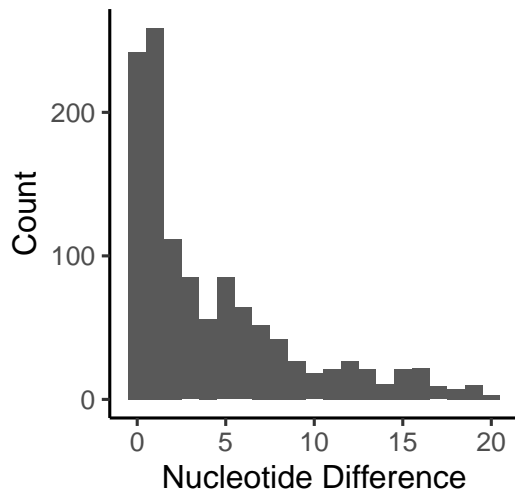
IGHV4S11*01_T90C_G13

5122 sequences assigned
91 (1.8%) exact matches, in which:
82 unique CDR3
6 unique J



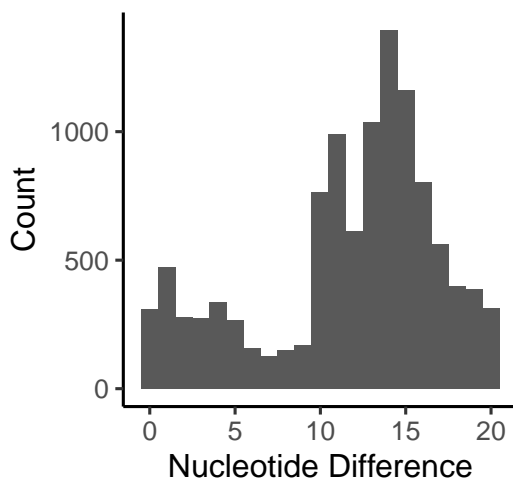
IGHV4S12*01_G34C_C9

1253 sequences assigned
242 (19.3%) exact matches, in which:
227 unique CDR3
6 unique J



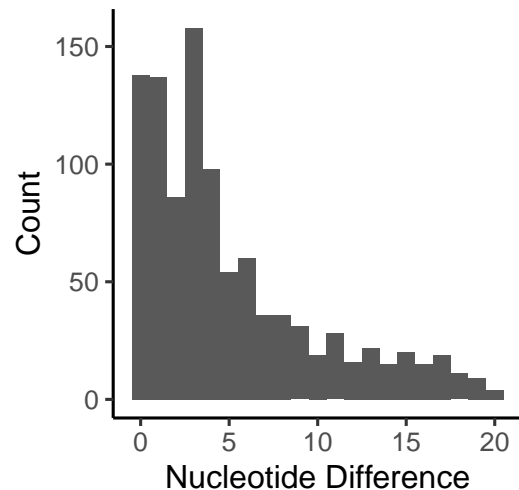
IGHV4S17*01_A166T_A

13348 sequences assigned
310 (2.3%) exact matches, in which:
283 unique CDR3
6 unique J



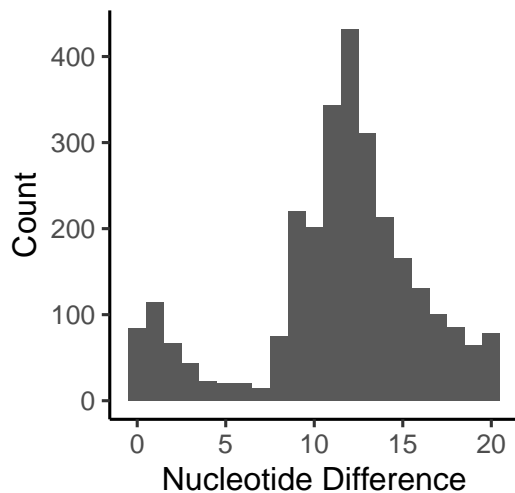
IGHV4S6*01_A70G

1096 sequences assigned
138 (12.6%) exact matches, in which:
126 unique CDR3
6 unique J



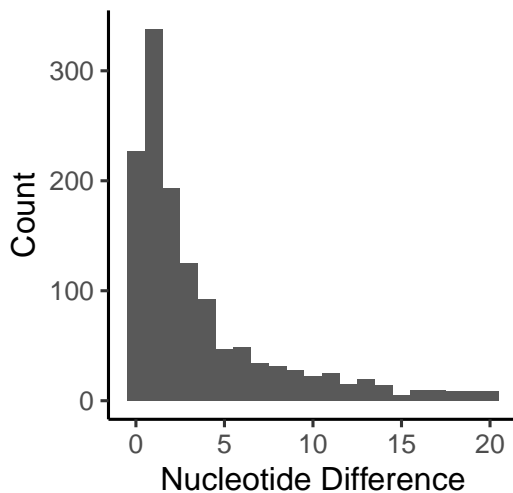
IGHV4S14*01_T90C_A16

3474 sequences assigned
84 (2.4%) exact matches, in which:
79 unique CDR3
6 unique J



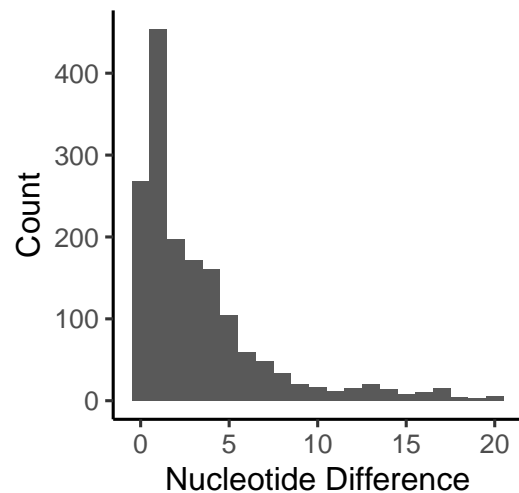
IGHV4S17*01_C136G_G

1439 sequences assigned
227 (15.8%) exact matches, in which:
202 unique CDR3
6 unique J



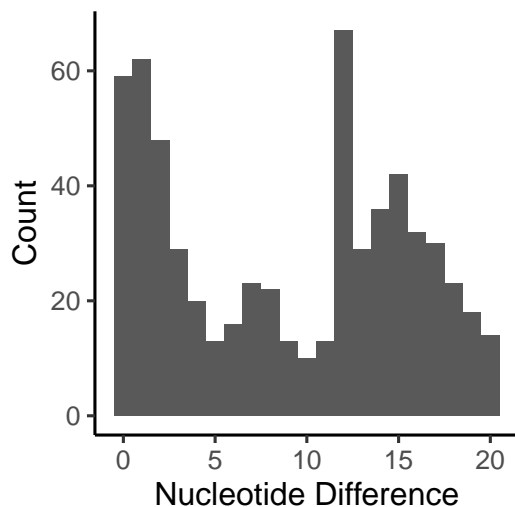
IGHV5S1*01_C45T_G51A

1656 sequences assigned
268 (16.2%) exact matches, in which:
225 unique CDR3
6 unique J



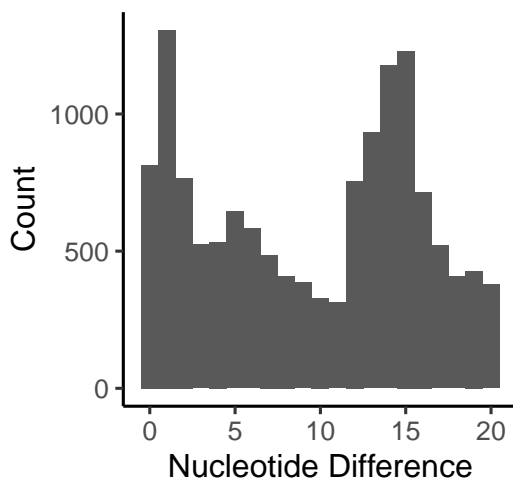
IGHV4S15*01_C303G

1051 sequences assigned
59 (5.6%) exact matches, in which:
52 unique CDR3
6 unique J



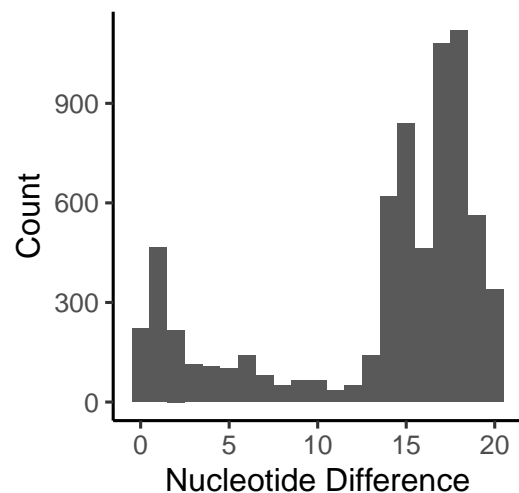
IGHV4S18*01_C34G_T1

16099 sequences assigned
815 (5.1%) exact matches, in which:
751 unique CDR3
6 unique J



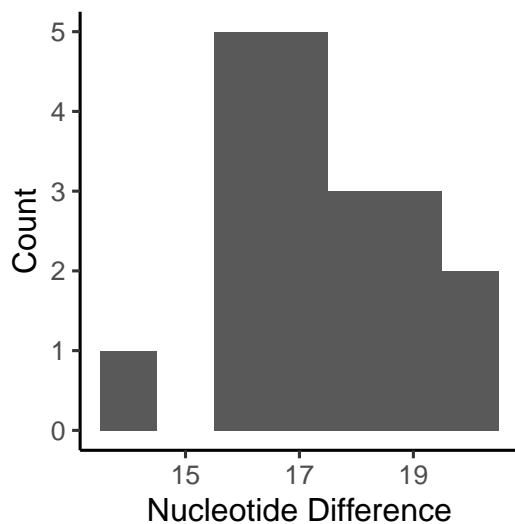
IGHV5S1*01_G51A_A112

8693 sequences assigned
221 (2.5%) exact matches, in which:
179 unique CDR3
6 unique J



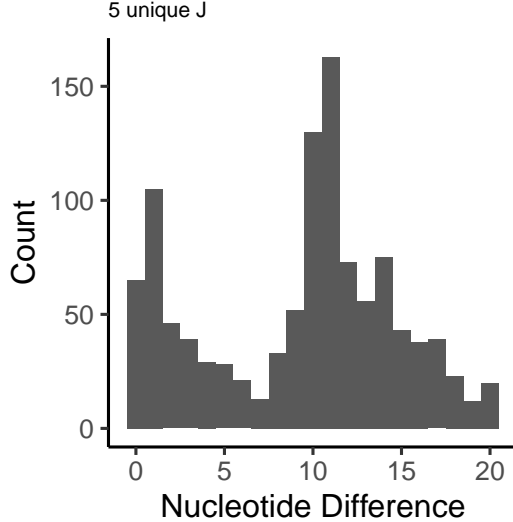
IGHV7S3*01

503 sequences assigned
No exact matches.



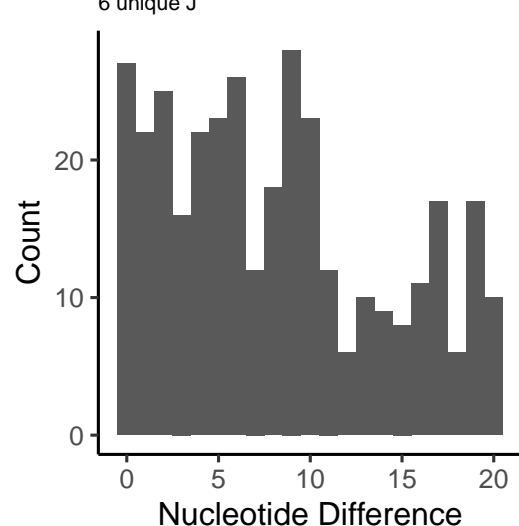
IGHV3-9*01_C78T_G121

2394 sequences assigned
65 (2.7%) exact matches, in which:
53 unique CDR3
5 unique J



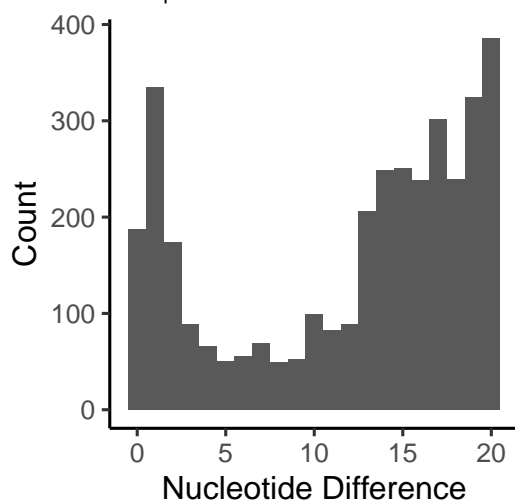
IGHV3-20*01_A169G_G1

787 sequences assigned
27 (3.4%) exact matches, in which:
25 unique CDR3
6 unique J



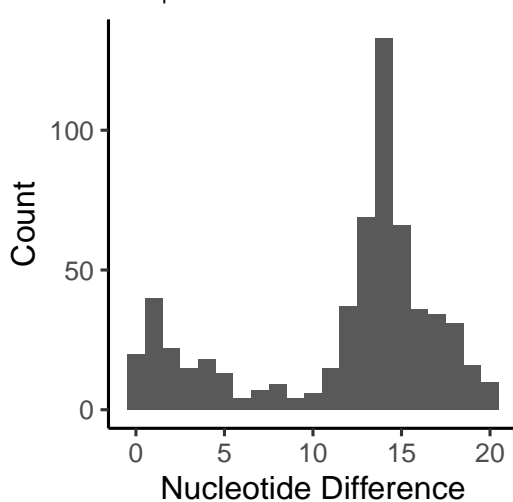
IGHV3-6*01_C61G_T122

5744 sequences assigned
187 (3.3%) exact matches, in which:
155 unique CDR3
6 unique J



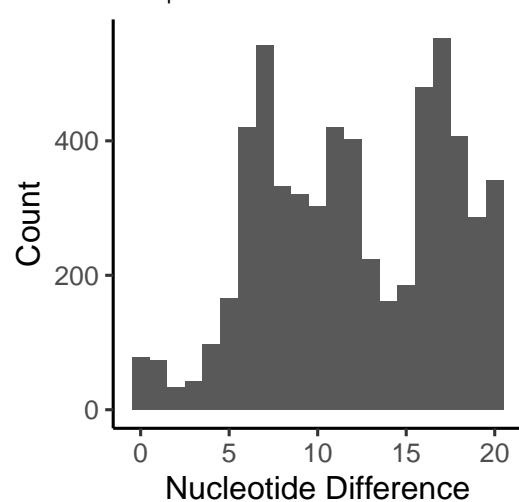
IGHV3-11*01_G48A_A91

665 sequences assigned
20 (3%) exact matches, in which:
20 unique CDR3
3 unique J



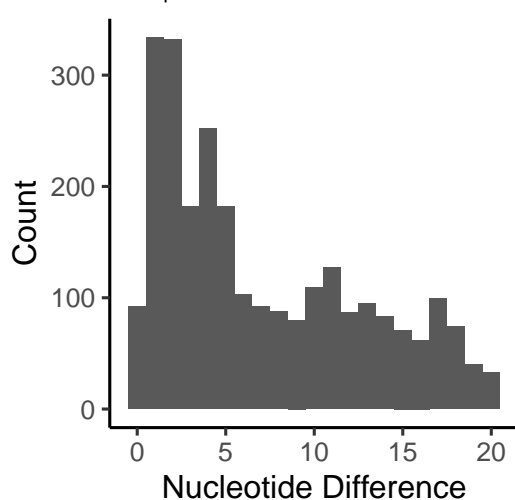
IGHV4-2*01_C4G_C173

9107 sequences assigned
78 (0.9%) exact matches, in which:
74 unique CDR3
6 unique J



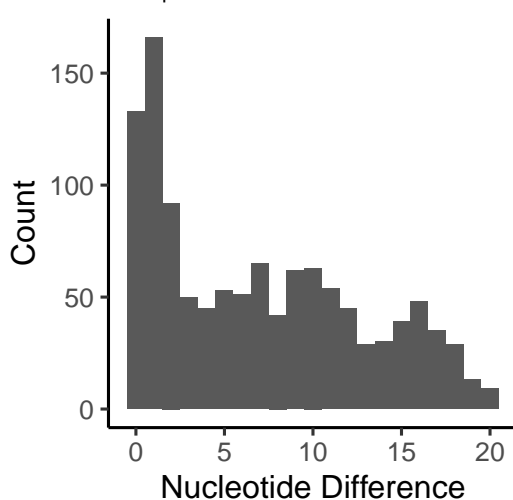
IGHV3-9*01_C262T

2889 sequences assigned
92 (3.2%) exact matches, in which:
74 unique CDR3
6 unique J



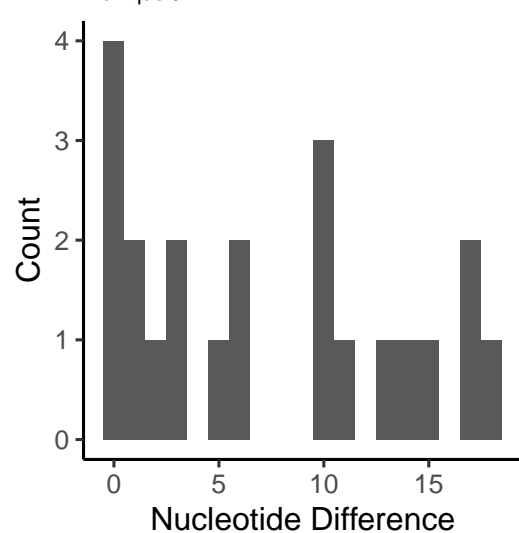
IGHV3-14*01_G110A_C

1391 sequences assigned
133 (9.6%) exact matches, in which:
115 unique CDR3
6 unique J



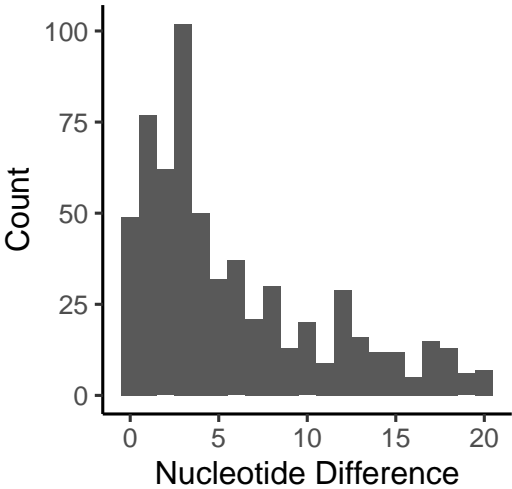
IGHV4-2*01_C4G_C90T_A

33 sequences assigned
4 (12.1%) exact matches, in which:
3 unique CDR3
1 unique J



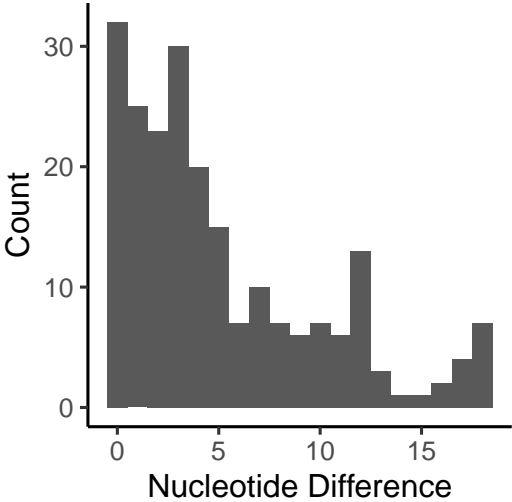
IGHV6-1*01_G233C

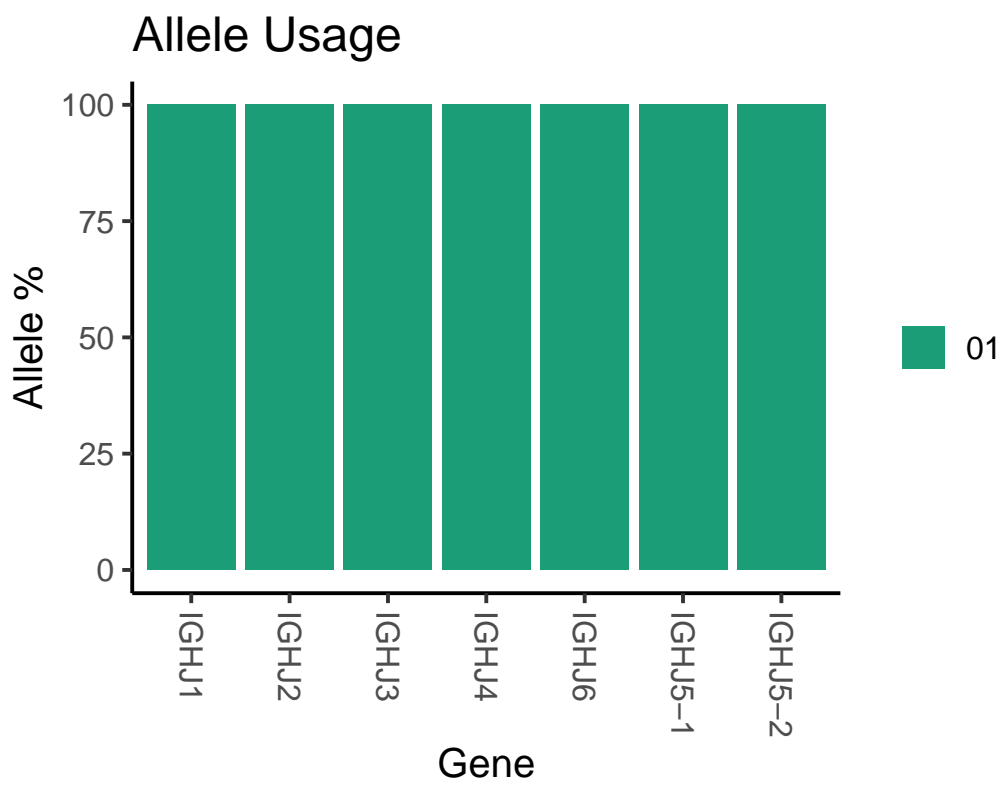
628 sequences assigned
49 (7.8%) exact matches, in which:
42 unique CDR3
5 unique J



IGHV6-1*01_G233C_G283T

224 sequences assigned
32 (14.3%) exact matches, in which:
28 unique CDR3
5 unique J





Warning – no inferred sequences found.