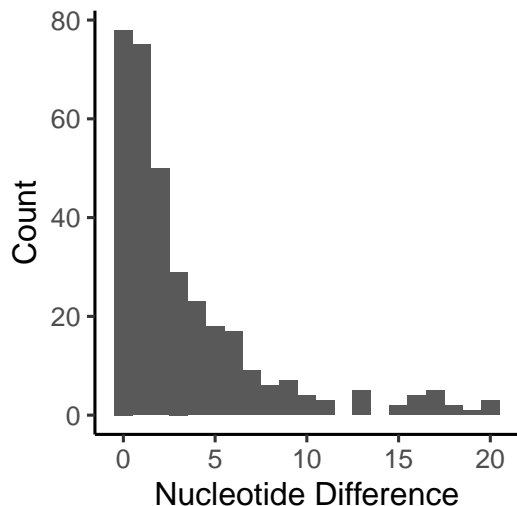


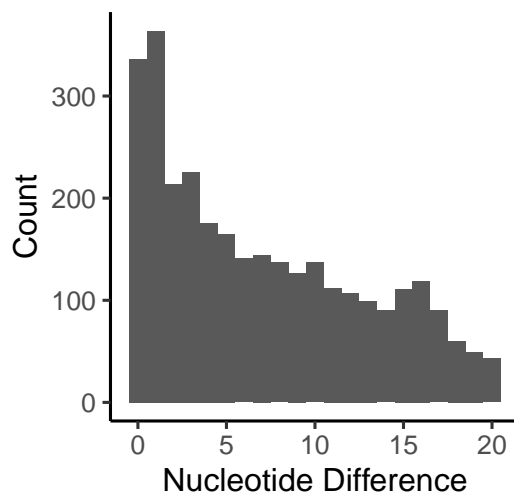
IGHV1S10*01_G167T

408 sequences assigned
78 (19.1%) exact matches, in which:
75 unique CDR3
6 unique J



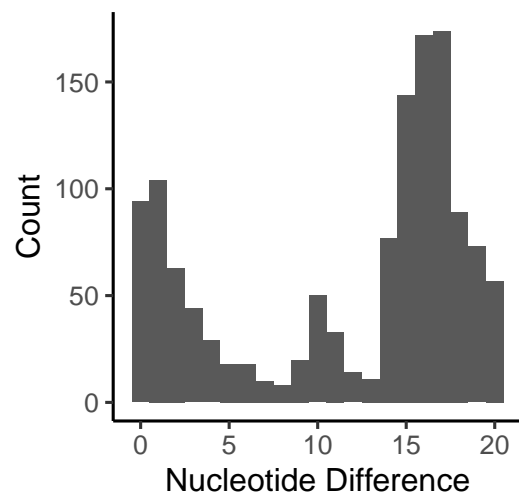
IGHV1S9*01_G18A_G49.

3160 sequences assigned
336 (10.6%) exact matches, in which:
311 unique CDR3
6 unique J



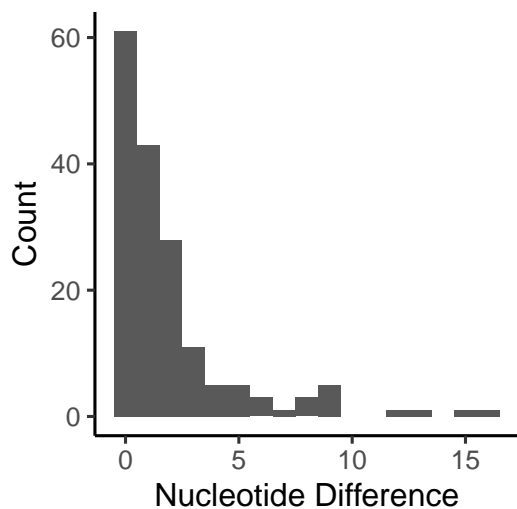
IGHV2S2*01_C6G_G115

1531 sequences assigned
94 (6.1%) exact matches, in which:
80 unique CDR3
6 unique J



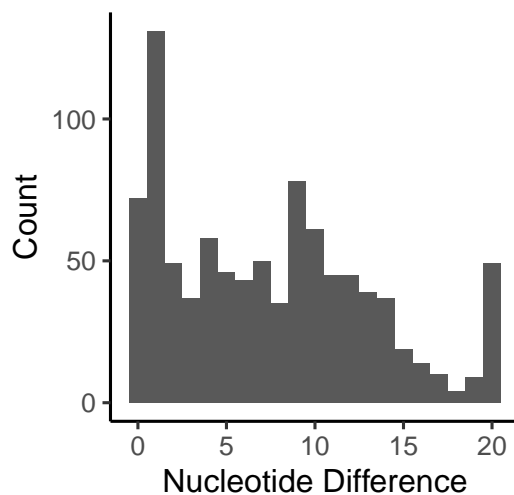
IGHV1S10*01_G61C_T63

452 sequences assigned
61 (13.5%) exact matches, in which:
61 unique CDR3
6 unique J



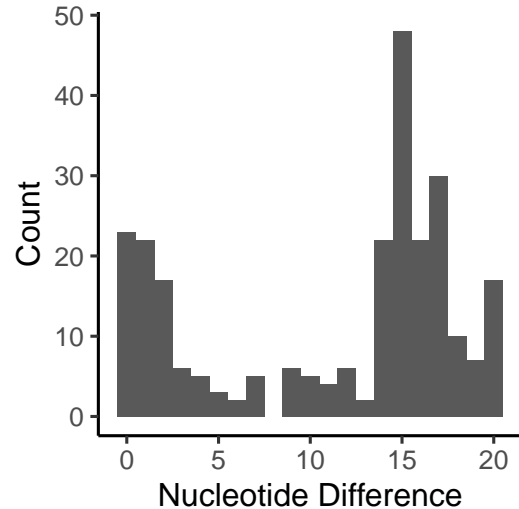
IGHV2S1*01_G6C_G36C

1221 sequences assigned
72 (5.9%) exact matches, in which:
66 unique CDR3
6 unique J



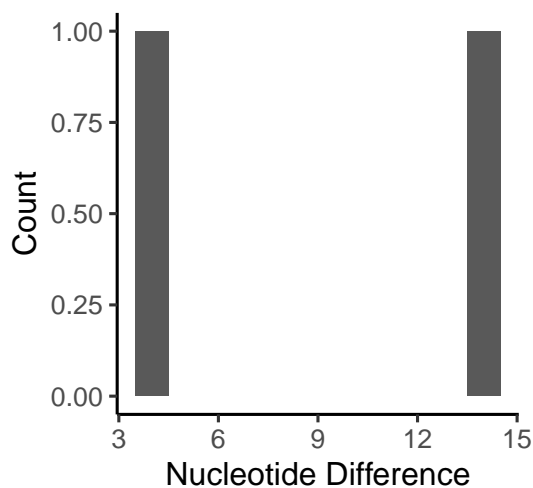
IGHV2S2*01_C6G_G115C

327 sequences assigned
23 (7%) exact matches, in which:
23 unique CDR3
6 unique J



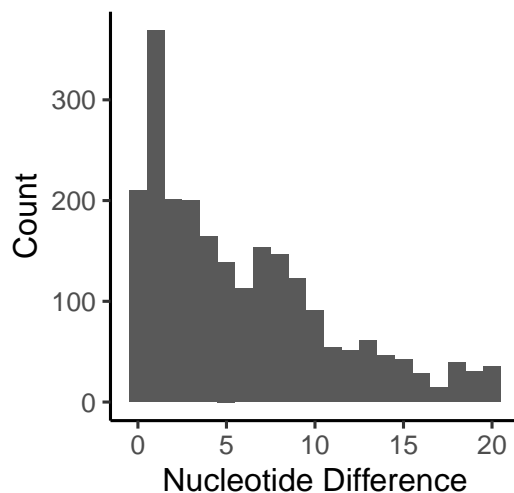
IGHV1S4*01

183 sequences assigned
No exact matches.



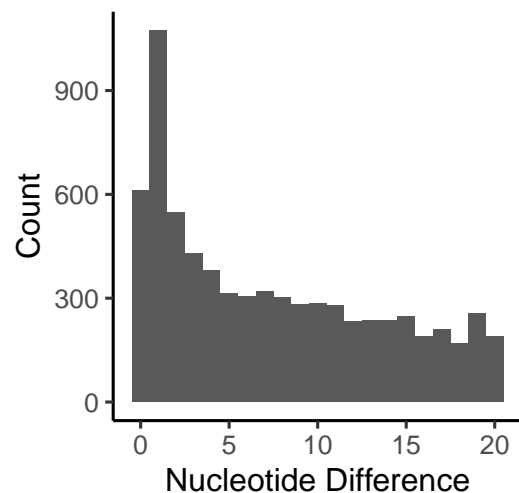
IGHV2S1*01_G6C_G36C

2580 sequences assigned
210 (8.1%) exact matches, in which:
188 unique CDR3
6 unique J



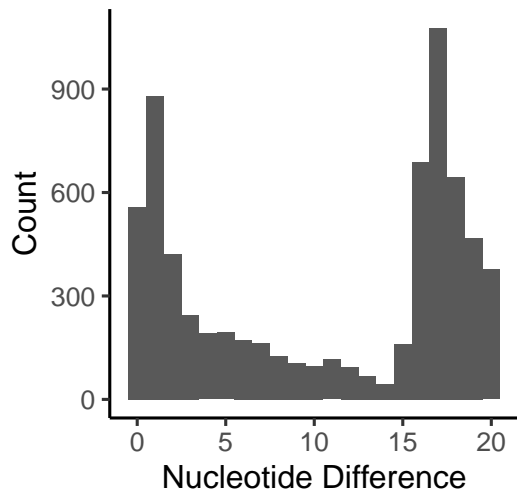
IGHV3S11*01_C267T

8448 sequences assigned
612 (7.2%) exact matches, in which:
508 unique CDR3
6 unique J



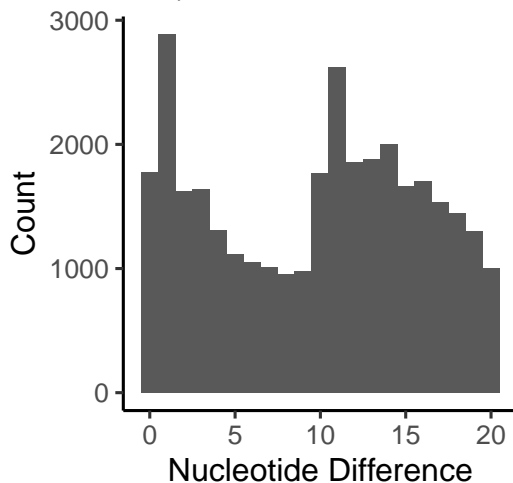
IGHV3S16*01_A116G_G

8827 sequences assigned
558 (6.3%) exact matches, in which:
494 unique CDR3
6 unique J



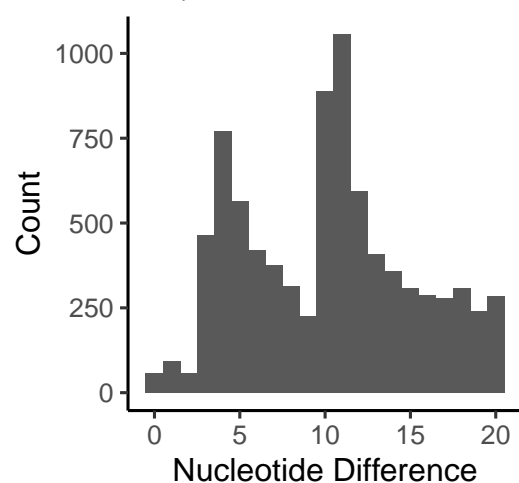
IGHV3S25*01_T78C_G1

39936 sequences assigned
1778 (4.5%) exact matches, in which:
1587 unique CDR3
6 unique J



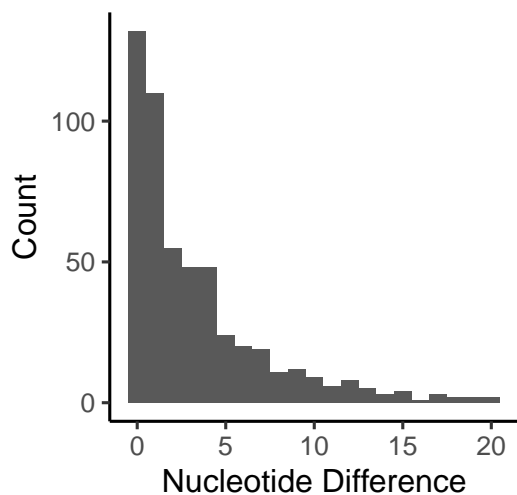
IGHV3S29*01_T139C_A

9942 sequences assigned
57 (0.6%) exact matches, in which:
49 unique CDR3
6 unique J



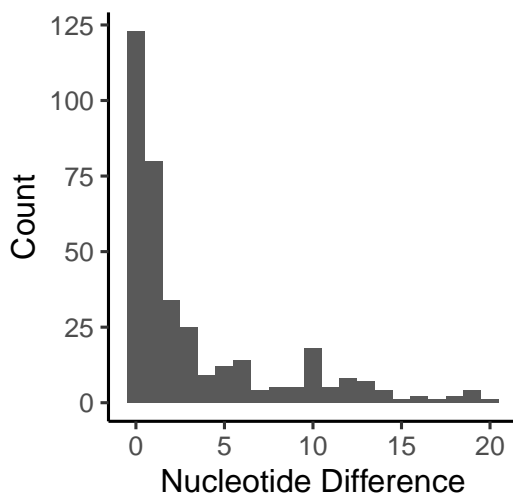
IGHV3S20*01_C34T_G26

529 sequences assigned
132 (25%) exact matches, in which:
119 unique CDR3
6 unique J



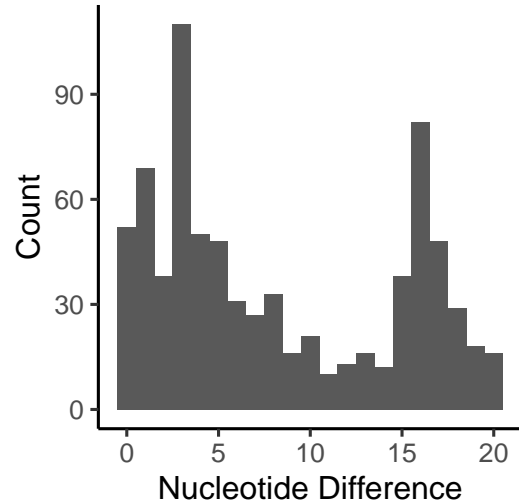
IGHV3S26*01_C3A_C54*

375 sequences assigned
123 (32.8%) exact matches, in which:
114 unique CDR3
6 unique J



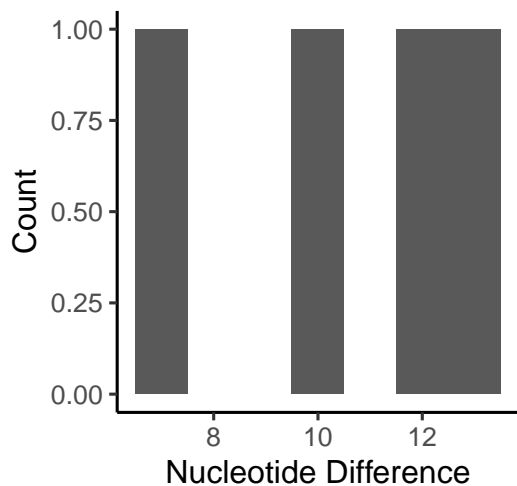
IGHV3S32*01_T128C_T13

848 sequences assigned
52 (6.1%) exact matches, in which:
41 unique CDR3
5 unique J



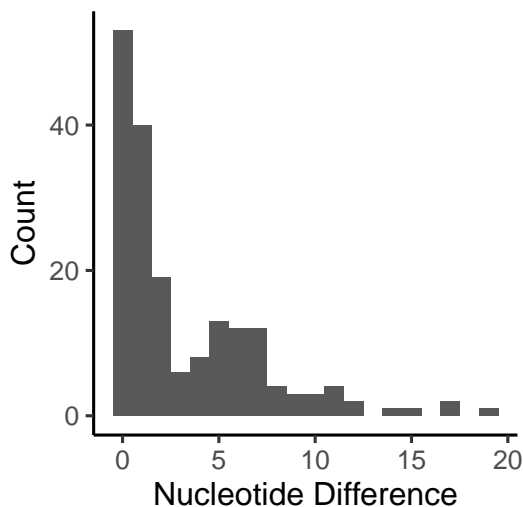
IGHV3S21*01

5 sequences assigned
No exact matches.



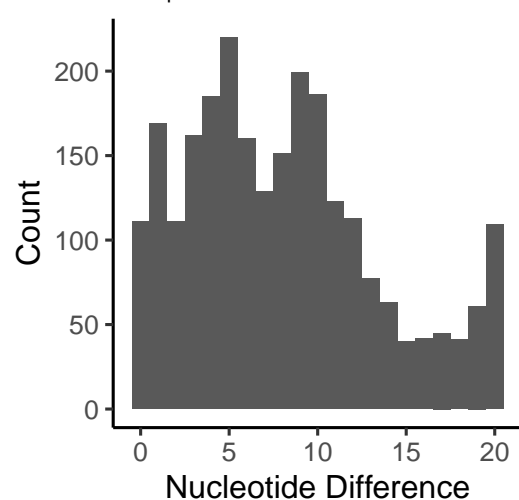
IGHV3S26*01_C3A_G127

194 sequences assigned
53 (27.3%) exact matches, in which:
52 unique CDR3
6 unique J



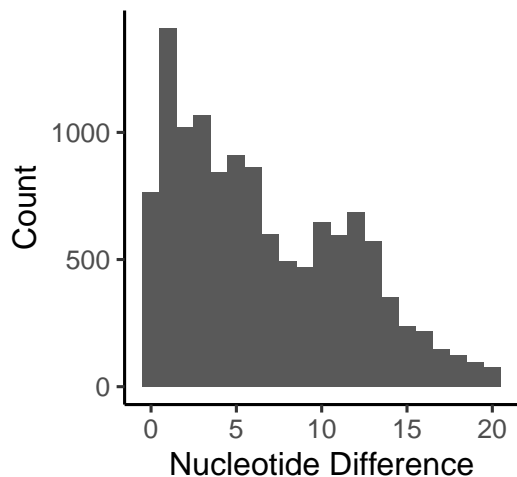
IGHV3S40*01_A27C_C33

3661 sequences assigned
111 (3%) exact matches, in which:
96 unique CDR3
6 unique J



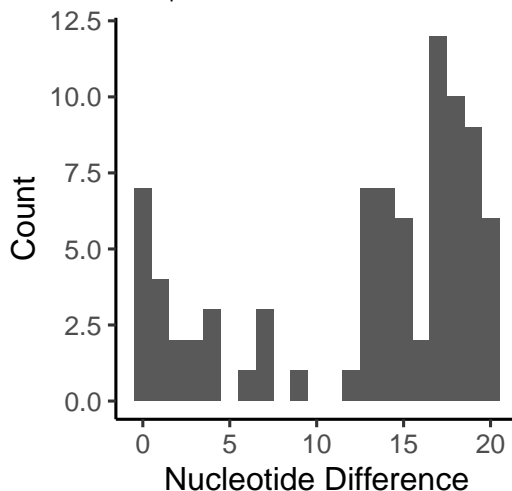
IGHV3S45*01_G26C_G1

12523 sequences assigned
764 (6.1%) exact matches, in which:
650 unique CDR3
6 unique J



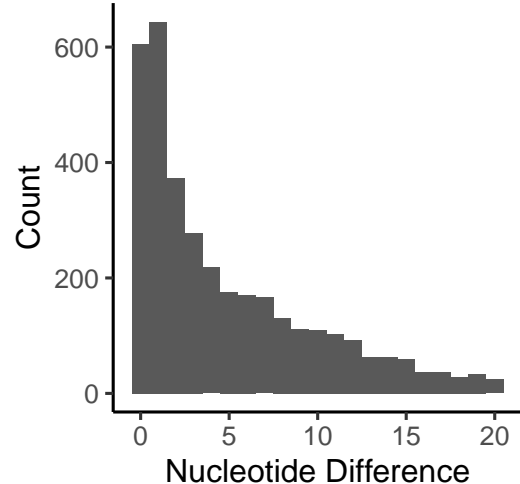
IGHV4S10*01_C90T_G1

152 sequences assigned
7 (4.6%) exact matches, in which:
7 unique CDR3
3 unique J



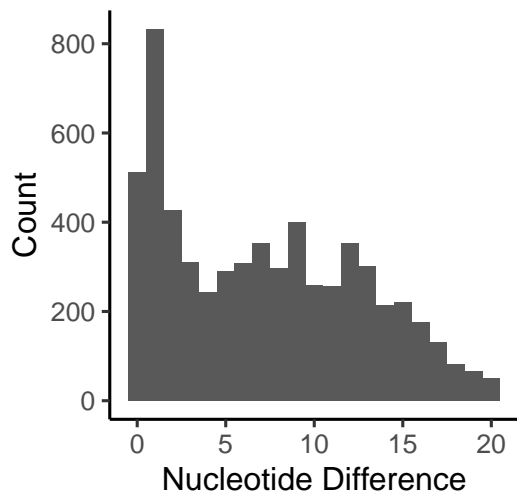
IGHV4S12*01_G34C_C9

3771 sequences assigned
606 (16.1%) exact matches, in which:
584 unique CDR3
6 unique J



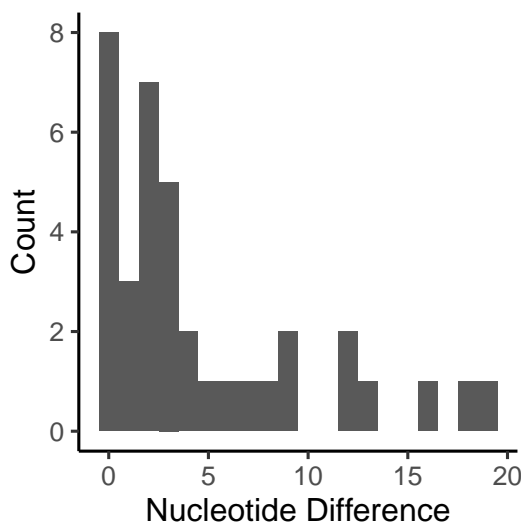
IGHV3S45*01_G26C_G1

6744 sequences assigned
512 (7.6%) exact matches, in which:
441 unique CDR3
6 unique J



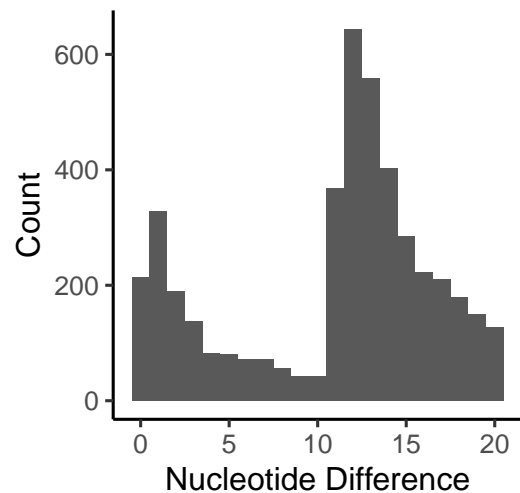
IGHV4S10*01_C90T_G109

39 sequences assigned
8 (20.5%) exact matches, in which:
7 unique CDR3
3 unique J



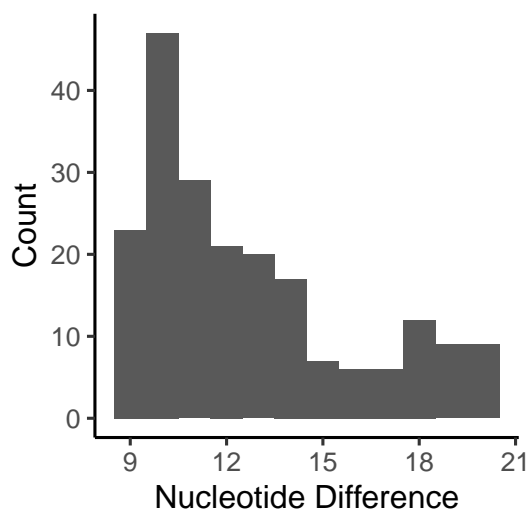
IGHV4S14*01_T90C_A16

5431 sequences assigned
214 (3.9%) exact matches, in which:
206 unique CDR3
6 unique J



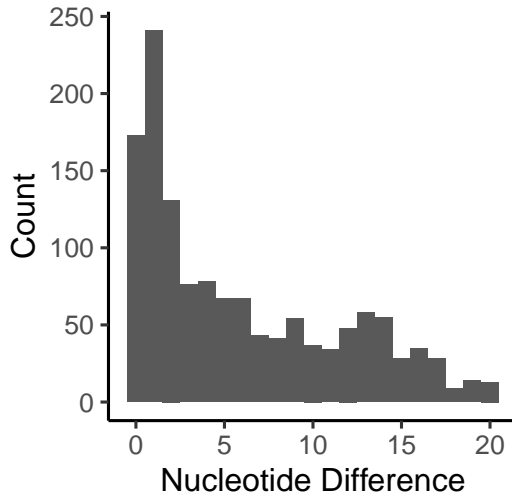
IGHV3S7*01

238 sequences assigned
No exact matches.



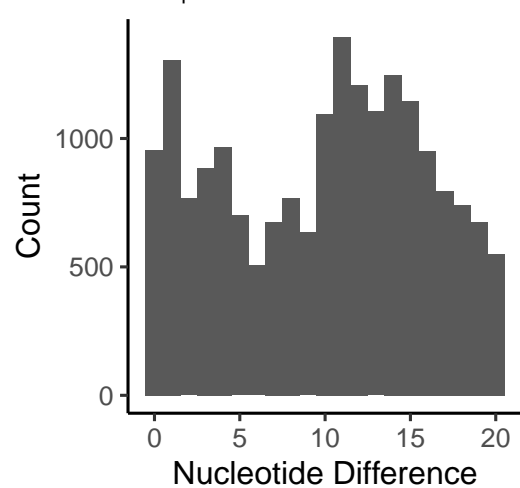
IGHV4S12*01_A199T_A2

1439 sequences assigned
173 (12%) exact matches, in which:
166 unique CDR3
6 unique J



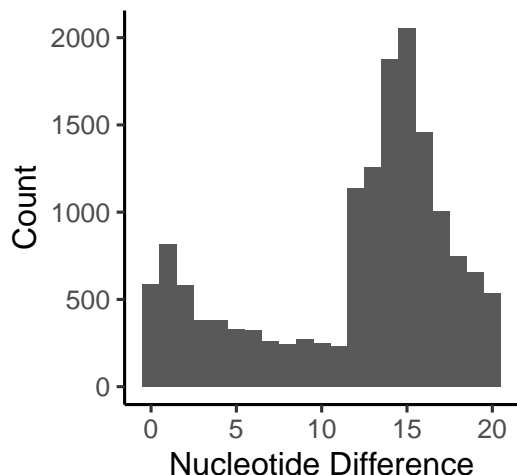
IGHV4S17*01_A166T_A

23237 sequences assigned
954 (4.1%) exact matches, in which:
915 unique CDR3
6 unique J



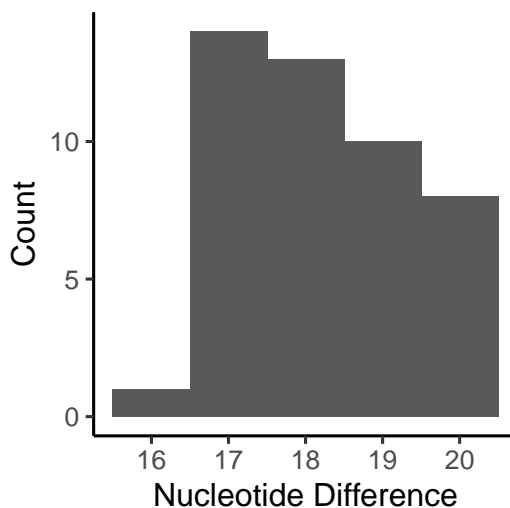
IGHV4S18*01_C34G_T1

17999 sequences assigned
586 (3.3%) exact matches, in which:
552 unique CDR3
6 unique J



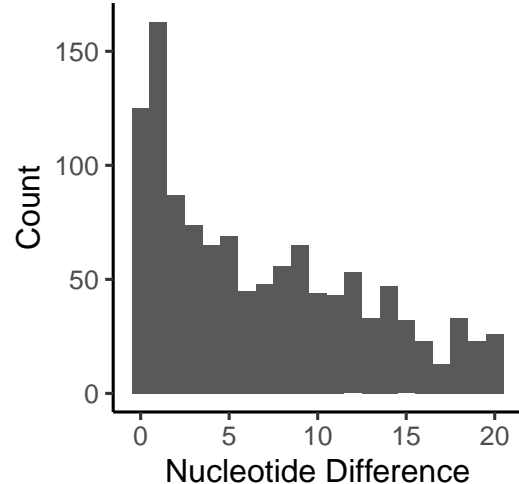
IGHV7S3*01

968 sequences assigned
No exact matches.



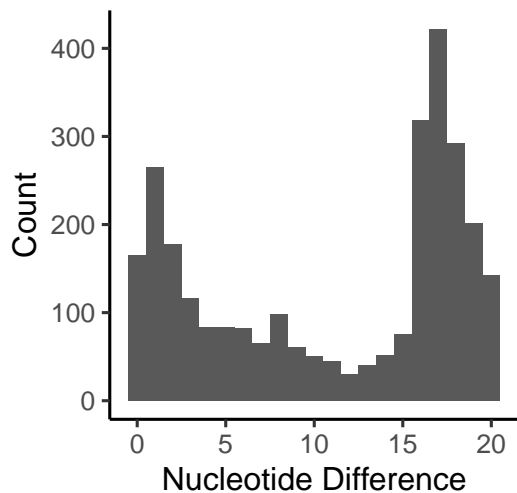
IGHV3-14*01_G110A_C

1237 sequences assigned
125 (10.1%) exact matches, in which:
114 unique CDR3
6 unique J



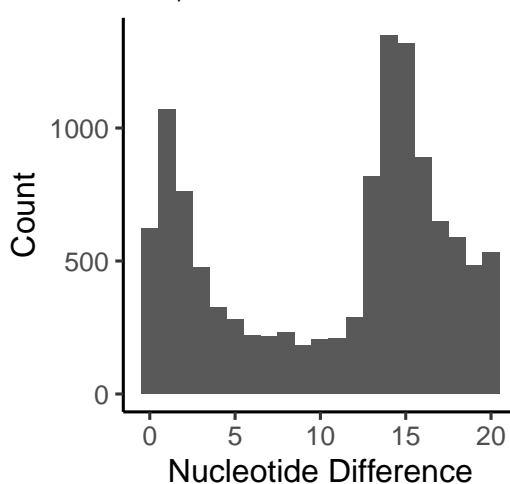
IGHV4S19*01_A166T_T1

4099 sequences assigned
165 (4%) exact matches, in which:
154 unique CDR3
6 unique J



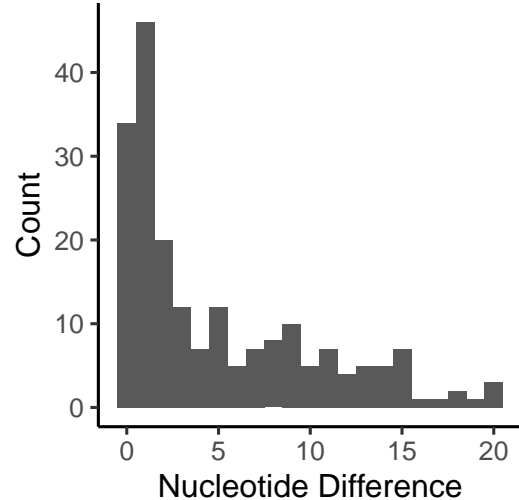
IGHV3-6*01_C61G_T12

15669 sequences assigned
623 (4%) exact matches, in which:
537 unique CDR3
6 unique J



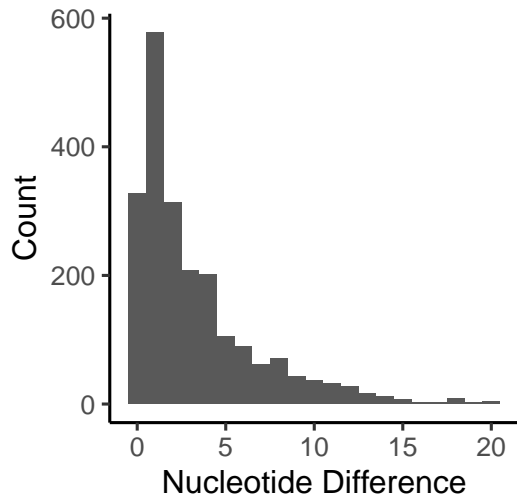
IGHV3-22*01_A39C_G48

775 sequences assigned
34 (4.4%) exact matches, in which:
28 unique CDR3
6 unique J



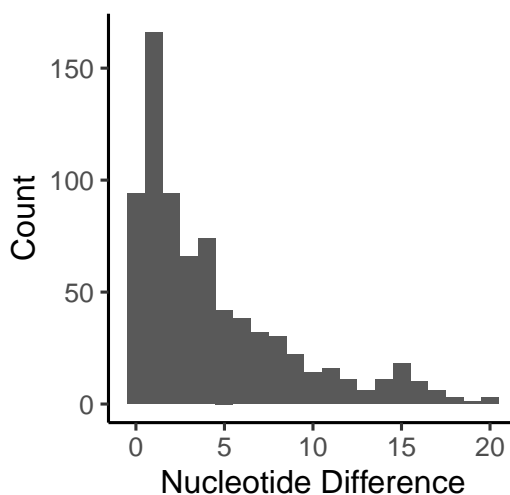
IGHV5S1*01_C45T_G51/

2165 sequences assigned
327 (15.1%) exact matches, in which:
266 unique CDR3
6 unique J



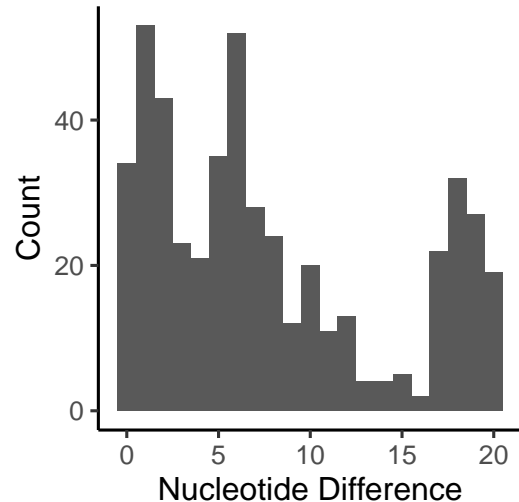
IGHV3-7*01_C167T_A17

1194 sequences assigned
94 (7.9%) exact matches, in which:
84 unique CDR3
6 unique J



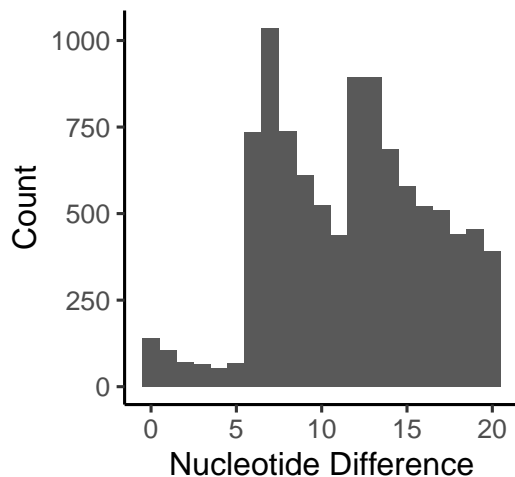
IGHV3-22*01_A39C_G48

535 sequences assigned
34 (6.4%) exact matches, in which:
31 unique CDR3
5 unique J



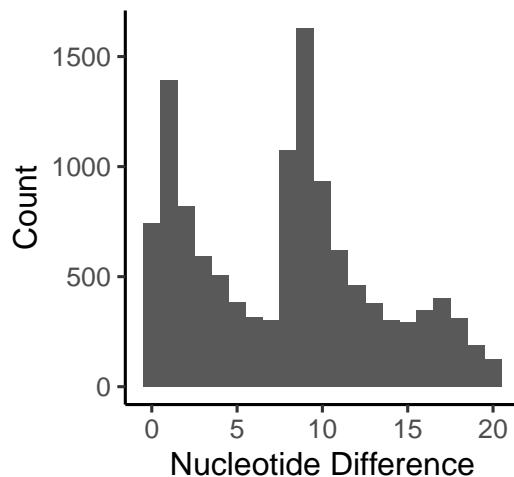
IGHV4-2*01_C4G_C173

14281 sequences assigned
139 (1%) exact matches, in which:
132 unique CDR3
6 unique J



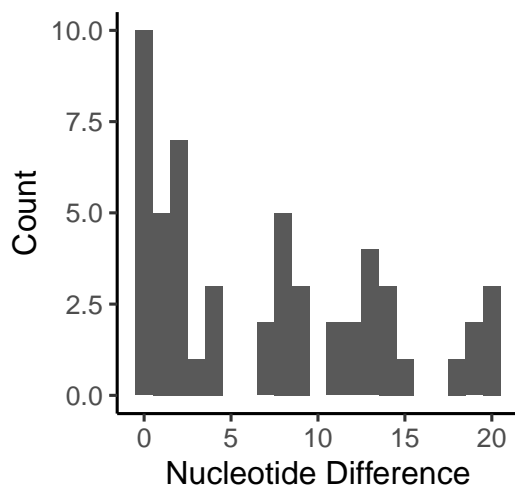
IGHV5-2*01_G51A_A59G_G166A_C167T_T171C_G172

12596 sequences assigned
741 (5.9%) exact matches, in which:
643 unique CDR3
6 unique J



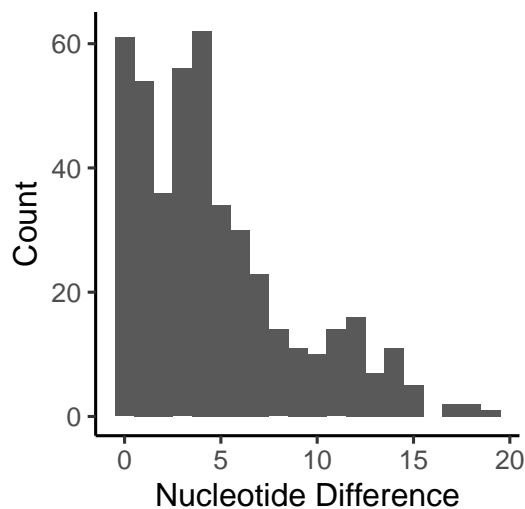
IGHV4-2*01_C4G_C90T

83 sequences assigned
10 (12%) exact matches, in which:
10 unique CDR3
3 unique J



IGHV6-1*01_G233C

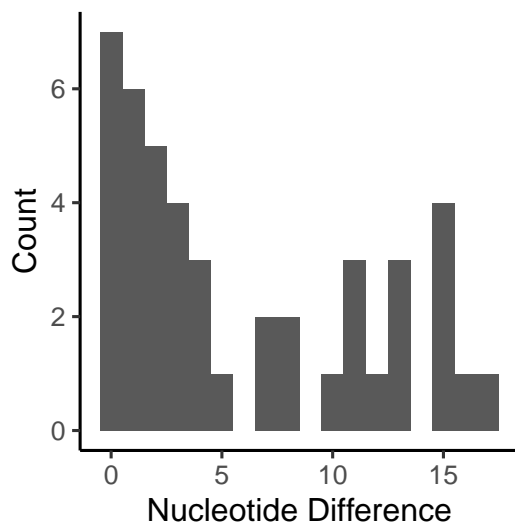
454 sequences assigned
61 (13.4%) exact matches, in which:
50 unique CDR3
5 unique J



IGHV6-1*01_G233C_G289T_G166T_G167A_C173A_C201A

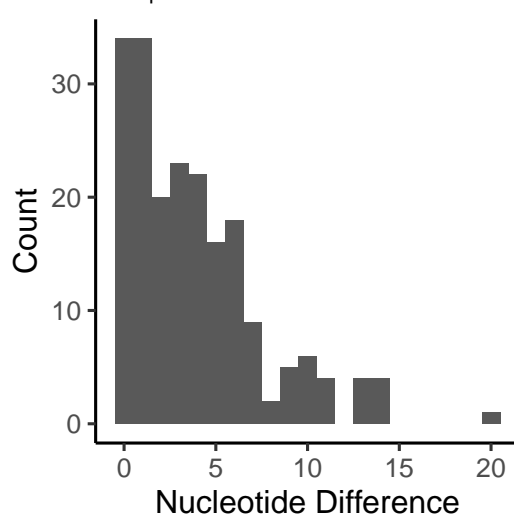
IGHV4-2*01_C4G_C90T_

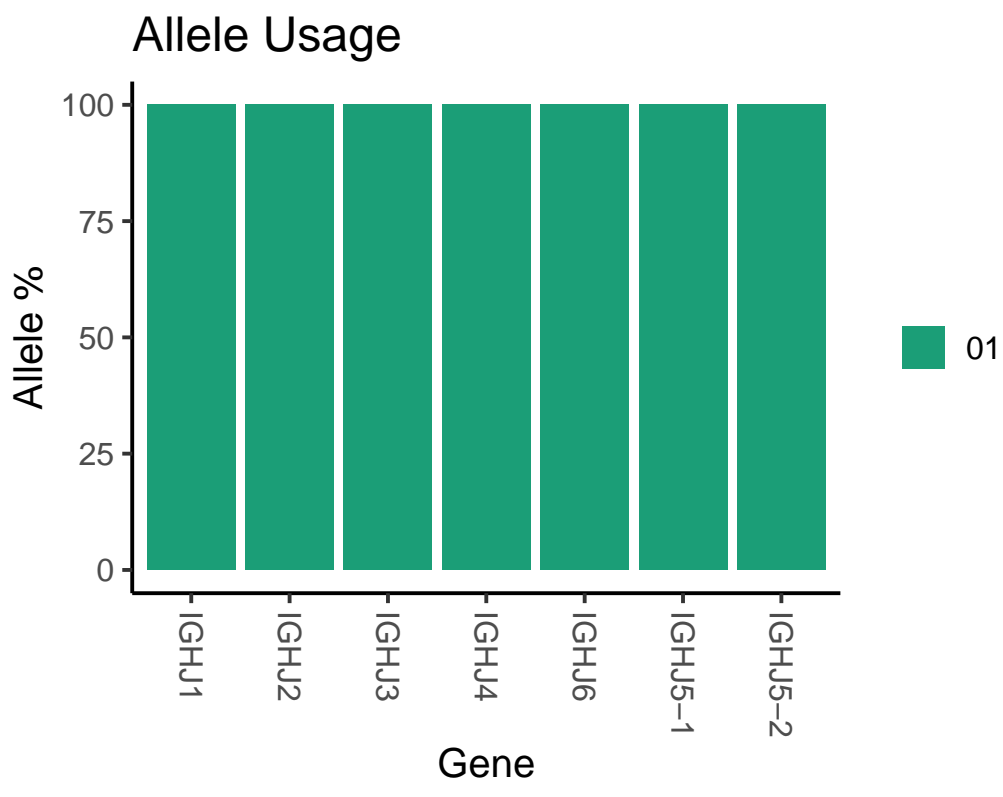
47 sequences assigned
7 (14.9%) exact matches, in which:
7 unique CDR3
3 unique J



IGHV6-1*01_G233C_G289T_G166T_G167A_C173A_C201A

203 sequences assigned
34 (16.7%) exact matches, in which:
32 unique CDR3
5 unique J





Warning – no inferred sequences found.