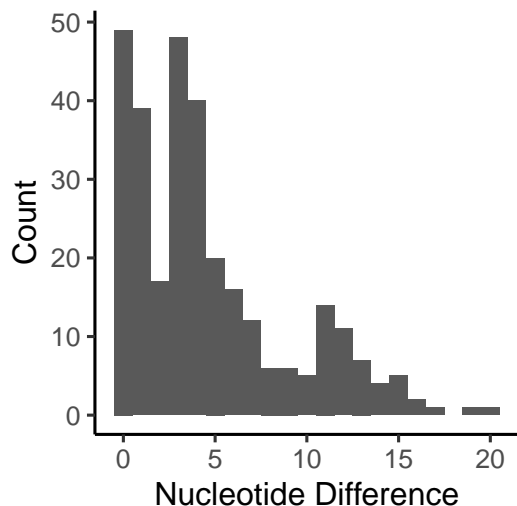


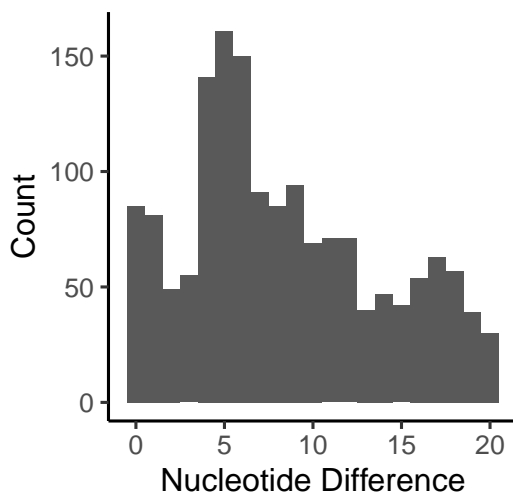
IGHV1S10*01_C93T_G16

817 sequences assigned
49 (6%) exact matches, in which:
41 unique CDR3
6 unique J



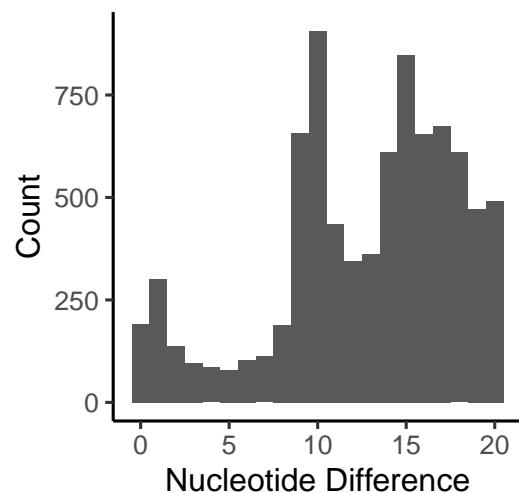
IGHV2S1*01_C91A_C95G

1745 sequences assigned
85 (4.9%) exact matches, in which:
76 unique CDR3
6 unique J



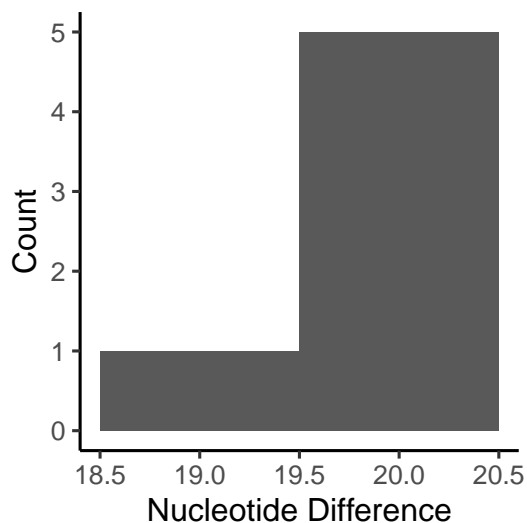
IGHV3S11*01_T51A_C78G

12721 sequences assigned
192 (1.5%) exact matches, in which:
166 unique CDR3
6 unique J



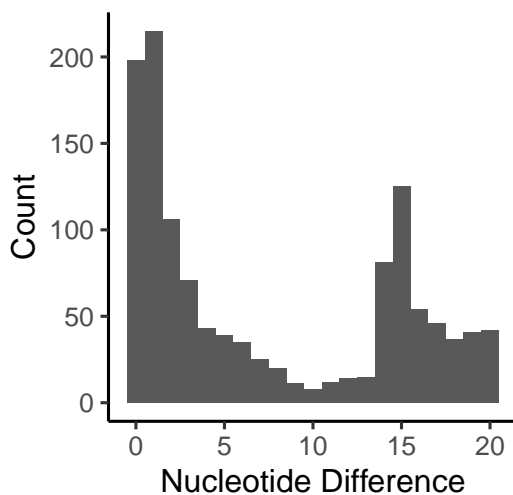
IGHV1S4*01

337 sequences assigned
No exact matches.



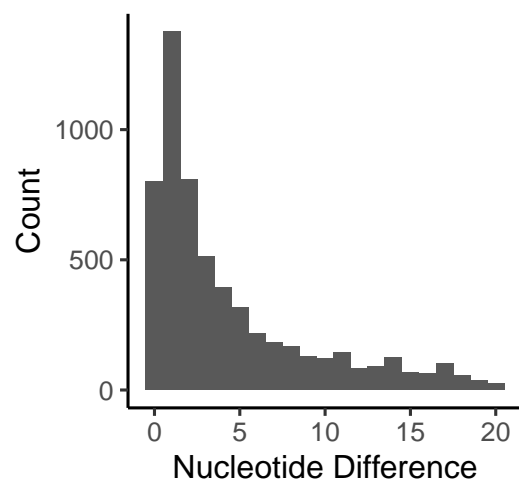
IGHV2S2*01_C6G_G115

1329 sequences assigned
198 (14.9%) exact matches, in which:
158 unique CDR3
6 unique J



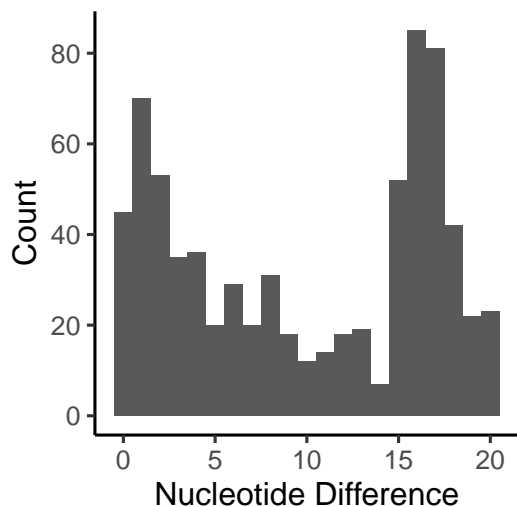
IGHV3S16*01_G24A_A1

5899 sequences assigned
800 (13.6%) exact matches, in which:
662 unique CDR3
6 unique J



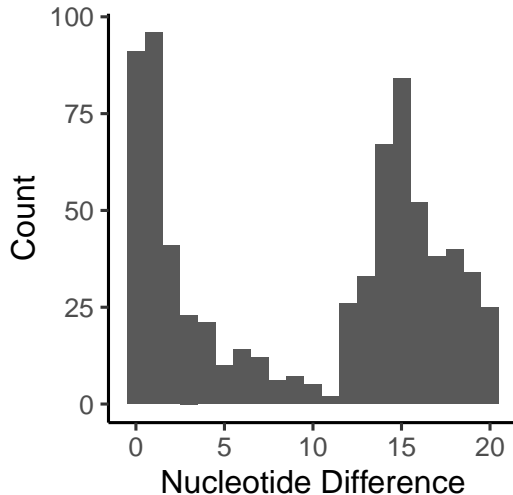
IGHV2S1*01_C91A_C95G

773 sequences assigned
45 (5.8%) exact matches, in which:
38 unique CDR3
6 unique J



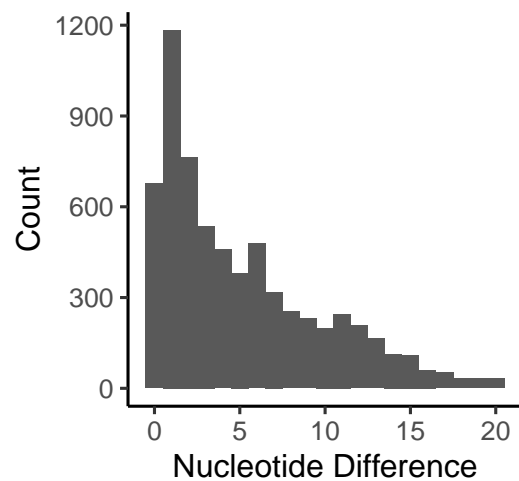
IGHV2S2*01_C6G_G115

802 sequences assigned
91 (11.3%) exact matches, in which:
78 unique CDR3
6 unique J



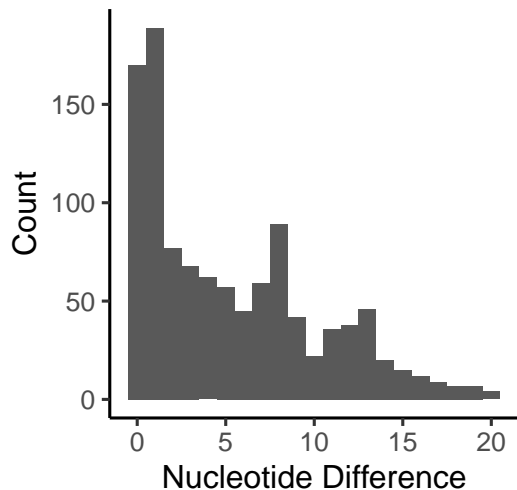
IGHV3S16*01_G24A_A1

6948 sequences assigned
677 (9.7%) exact matches, in which:
563 unique CDR3
6 unique J



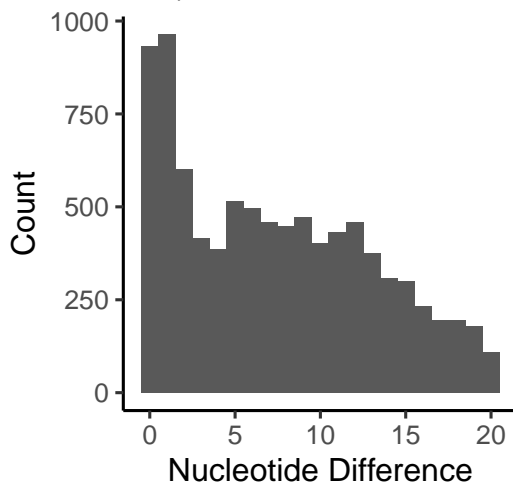
IGHV3S18*01_G3A_C27

1097 sequences assigned
170 (15.5%) exact matches, in which:
143 unique CDR3
6 unique J



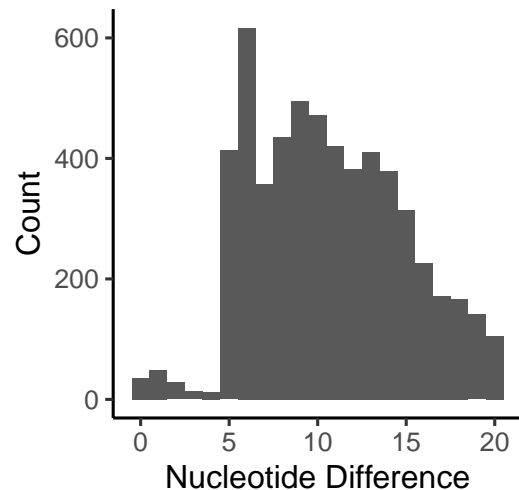
IGHV3S25*01_C114T_T

9725 sequences assigned
933 (9.6%) exact matches, in which:
848 unique CDR3
6 unique J



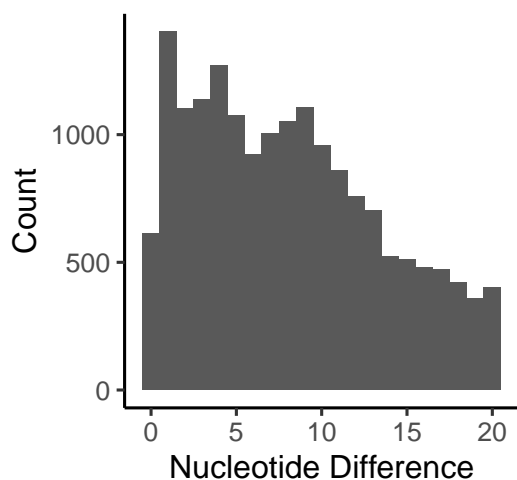
IGHV3S29*01_T34C_A16

6661 sequences assigned
35 (0.5%) exact matches, in which:
31 unique CDR3
6 unique J



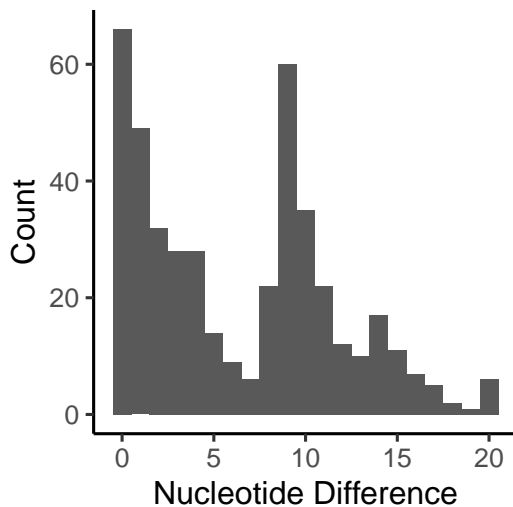
IGHV3S22*01_G3A_T78

21854 sequences assigned
611 (2.8%) exact matches, in which:
500 unique CDR3
6 unique J



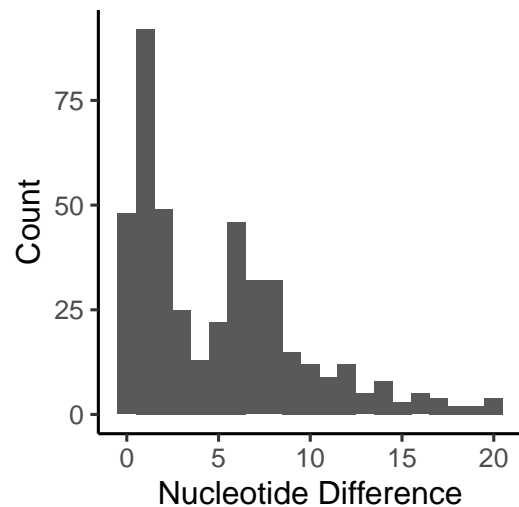
IGHV3S26*01_C54T_C21

472 sequences assigned
66 (14%) exact matches, in which:
62 unique CDR3
6 unique J



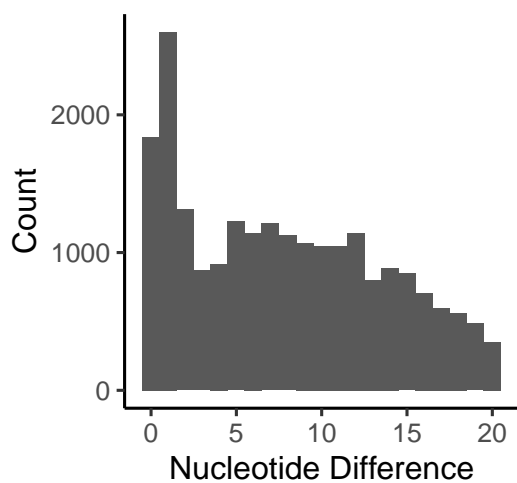
IGHV3S30*01_A307T

465 sequences assigned
48 (10.3%) exact matches, in which:
35 unique CDR3
5 unique J



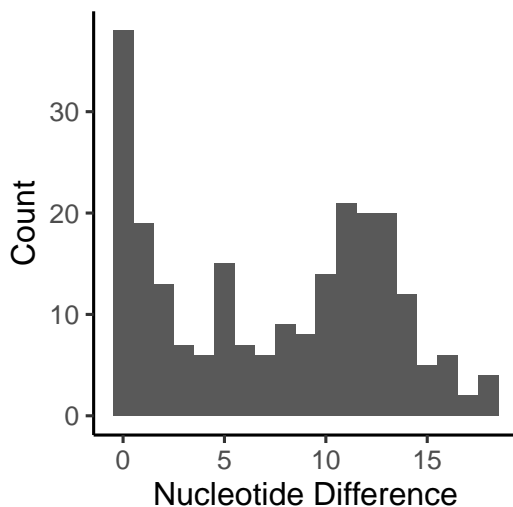
IGHV3S25*01_C114T_T

24728 sequences assigned
1841 (7.4%) exact matches, in which:
1518 unique CDR3
6 unique J



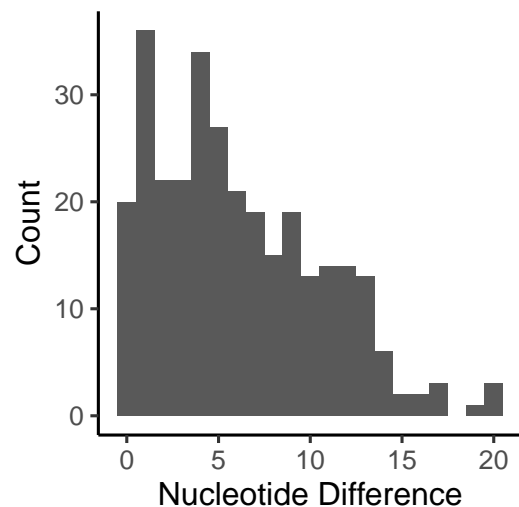
IGHV3S26*01_T197C_C2

362 sequences assigned
38 (10.5%) exact matches, in which:
35 unique CDR3
5 unique J



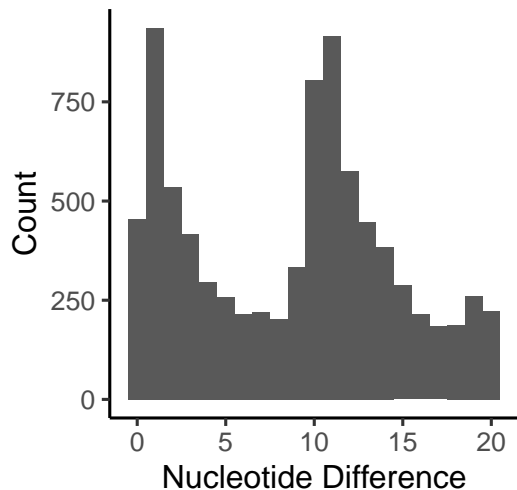
IGHV3S43*01_A7C_A15G

606 sequences assigned
20 (3.3%) exact matches, in which:
18 unique CDR3
5 unique J



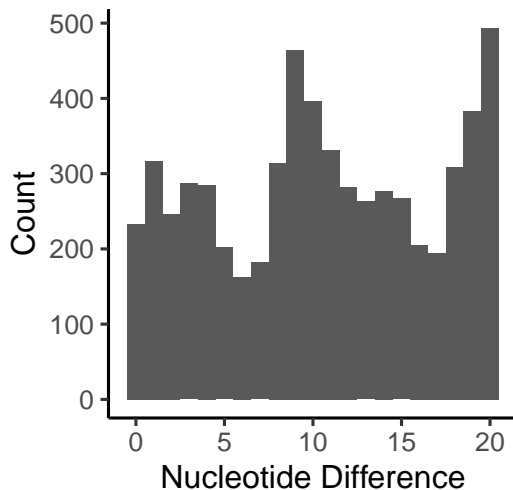
IGHV3S45*01_G26C_G1

10352 sequences assigned
455 (4.4%) exact matches, in which:
363 unique CDR3
6 unique J



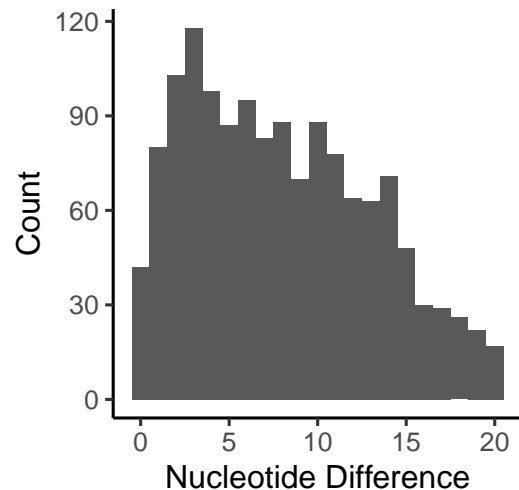
IGHV4S11*01_G4C_C60

10370 sequences assigned
233 (2.2%) exact matches, in which:
200 unique CDR3
6 unique J



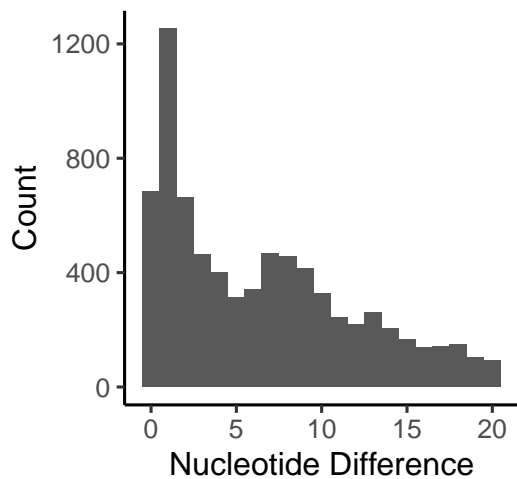
IGHV4S14*01_T90C_A91

1533 sequences assigned
42 (2.7%) exact matches, in which:
42 unique CDR3
5 unique J



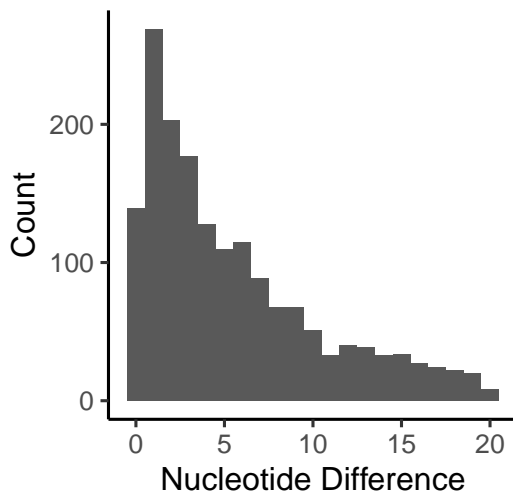
IGHV3S5*01_T19A_G16

8304 sequences assigned
683 (8.2%) exact matches, in which:
542 unique CDR3
6 unique J



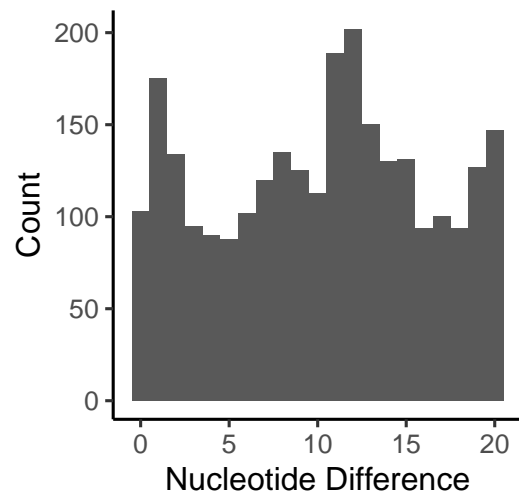
IGHV4S12*01_G34C_C91

1742 sequences assigned
139 (8%) exact matches, in which:
128 unique CDR3
6 unique J



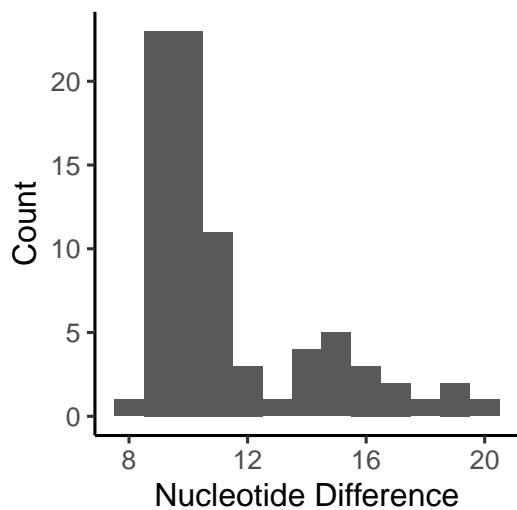
IGHV4S15*01_C303G

4702 sequences assigned
103 (2.2%) exact matches, in which:
88 unique CDR3
6 unique J



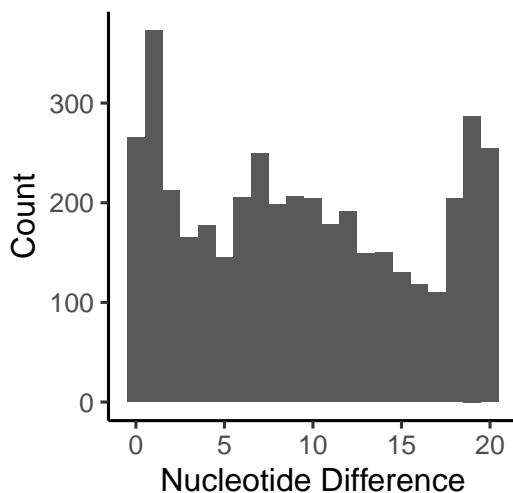
IGHV3S7*01

182 sequences assigned
No exact matches.



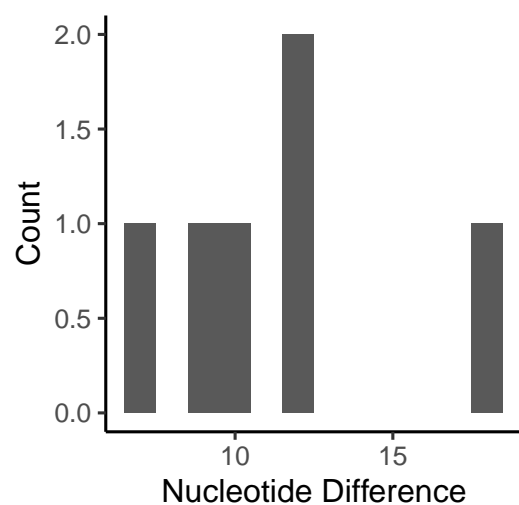
IGHV4S14*01_T90C_A91

5361 sequences assigned
265 (4.9%) exact matches, in which:
234 unique CDR3
6 unique J



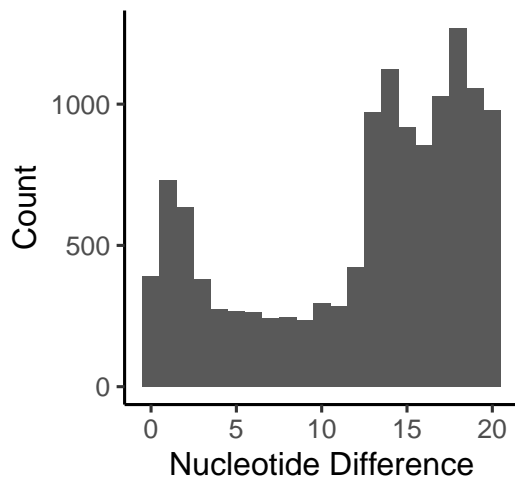
IGHV4S17*01_C90T_G10

18 sequences assigned
No exact matches.



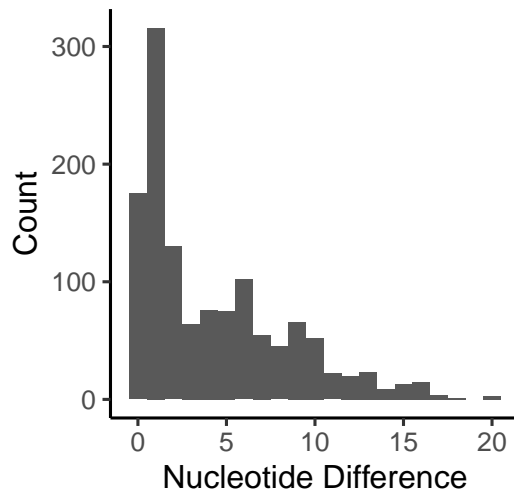
IGHV4S18*01_C34G_T1

18654 sequences assigned
390 (2.1%) exact matches, in which:
367 unique CDR3
6 unique J



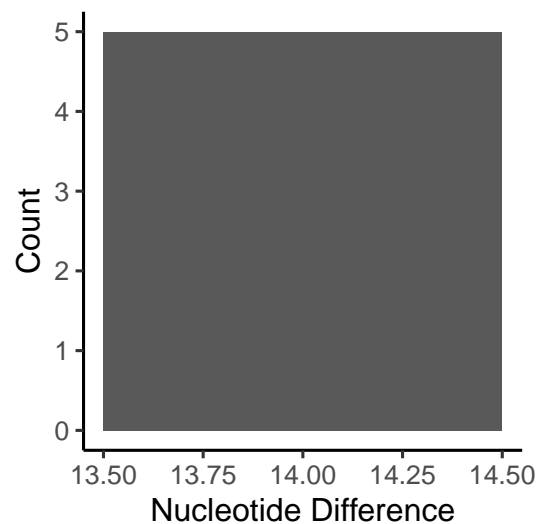
IGHV5S1*01_G51A_A10

1270 sequences assigned
175 (13.8%) exact matches, in which:
132 unique CDR3
6 unique J



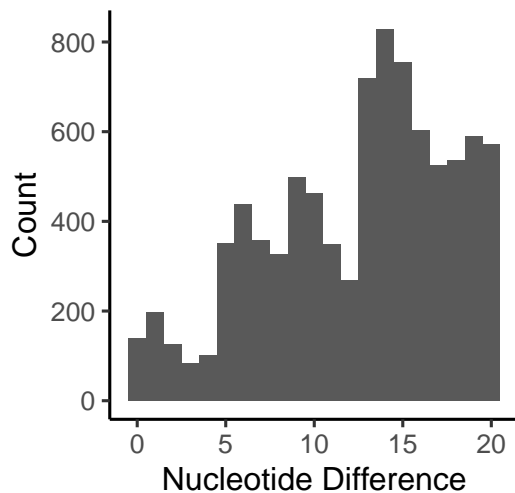
IGHV7S9*01

6 sequences assigned
No exact matches.



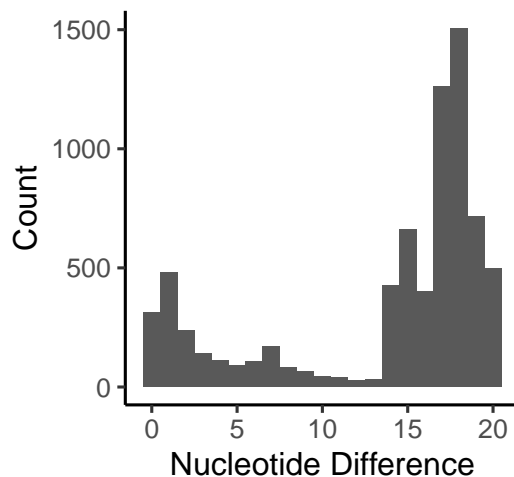
IGHV4S6*01_A70G

13937 sequences assigned
139 (1%) exact matches, in which:
129 unique CDR3
6 unique J



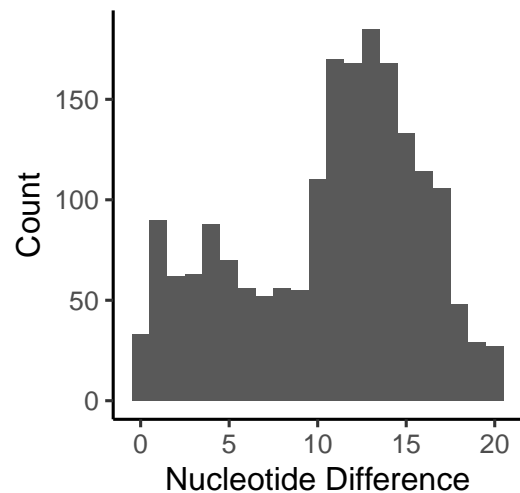
IGHV5S1*01_G51A_A11

9172 sequences assigned
313 (3.4%) exact matches, in which:
233 unique CDR3
6 unique J



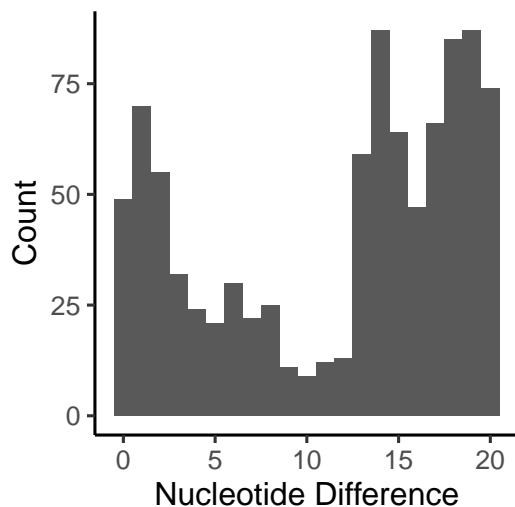
IGHV2-1*01_G6C_G270

2270 sequences assigned
33 (1.5%) exact matches, in which:
29 unique CDR3
5 unique J



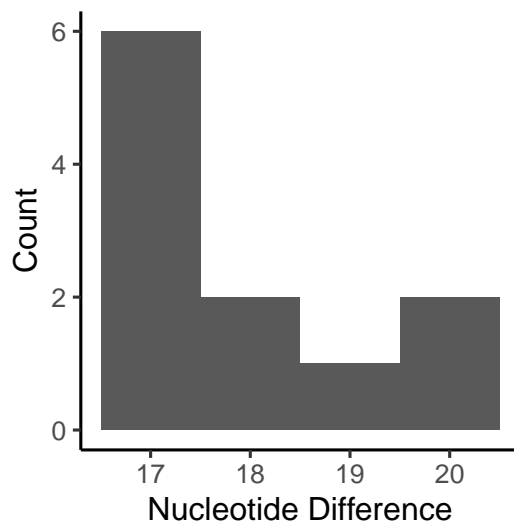
IGHV4S9*01_G32C_C34C

1422 sequences assigned
49 (3.4%) exact matches, in which:
40 unique CDR3
6 unique J



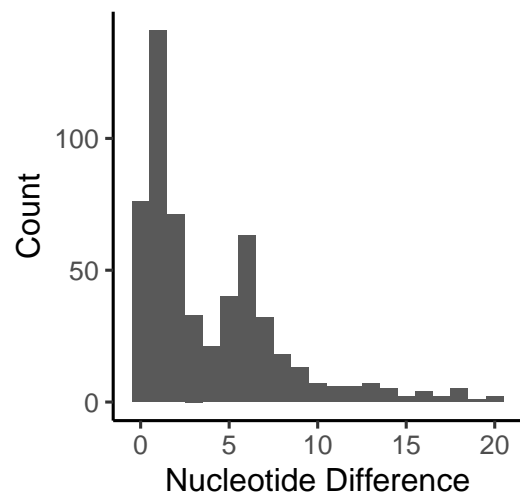
IGHV7S3*01

1985 sequences assigned
No exact matches.



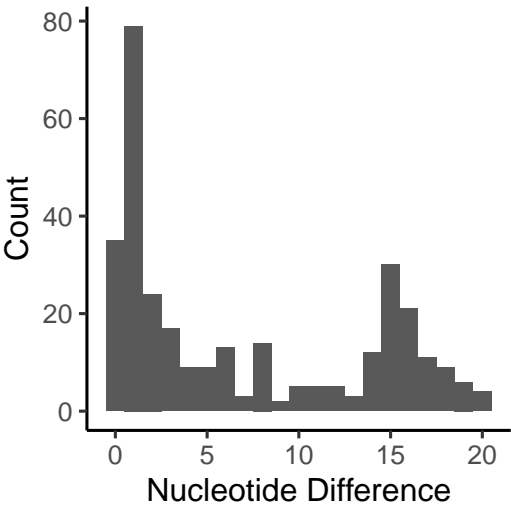
IGHV3-7*01_A196G_G2

763 sequences assigned
76 (10%) exact matches, in which:
68 unique CDR3
6 unique J



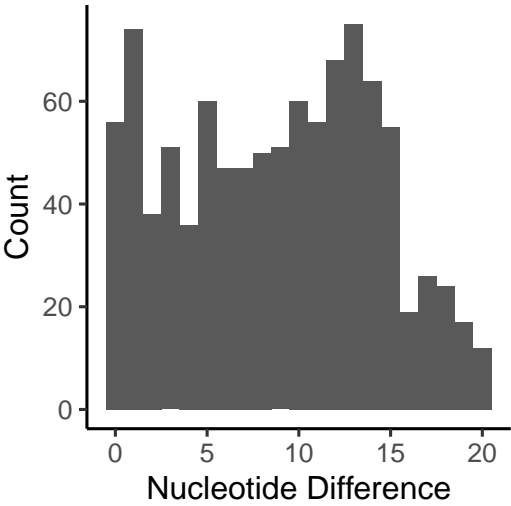
IGHV3-7*01_C167T_A175T

329 sequences assigned
35 (10.6%) exact matches, in which:
33 unique CDR3
6 unique J



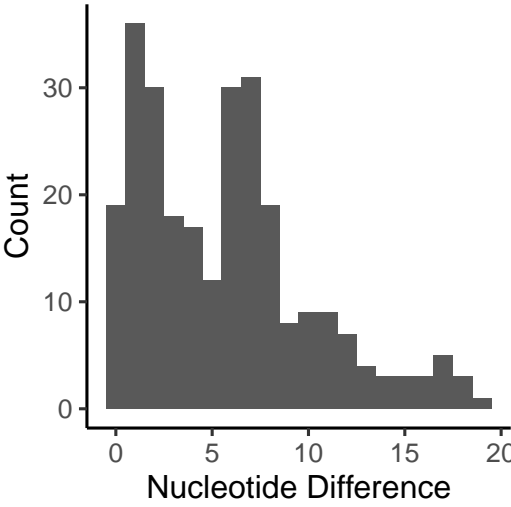
IGHV3-14*01_G110A_C121T_G280A

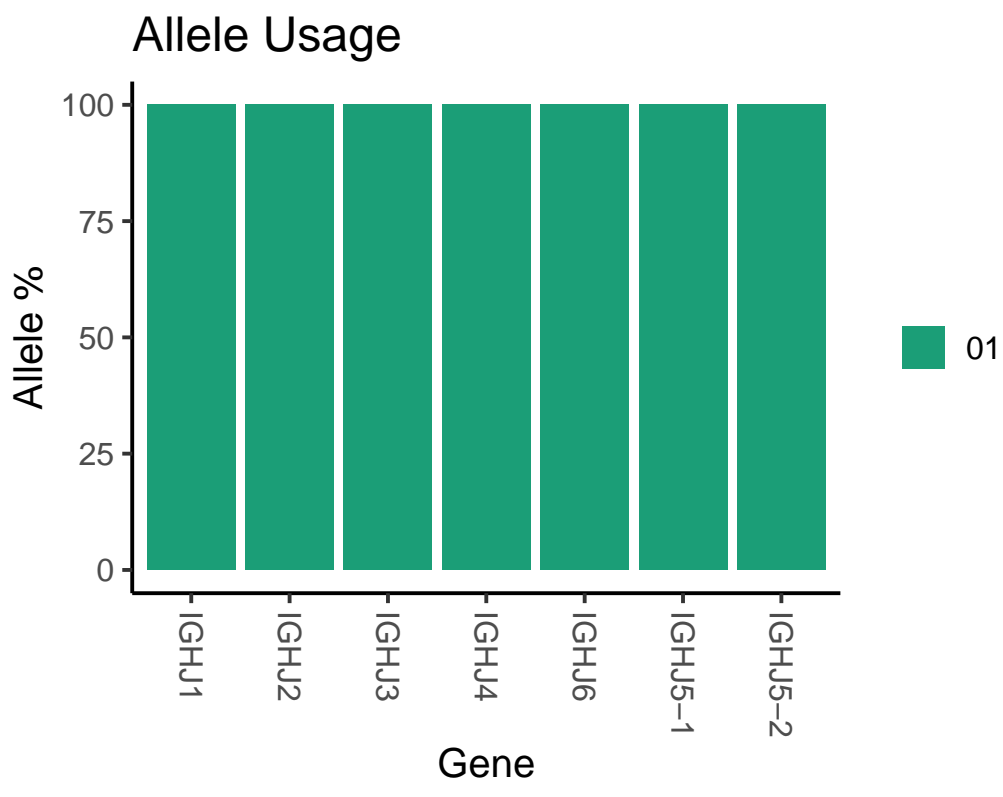
1406 sequences assigned
56 (4%) exact matches, in which:
49 unique CDR3
6 unique J



IGHV6-1*01_G227A_G283T

271 sequences assigned
19 (7%) exact matches, in which:
17 unique CDR3
4 unique J





Warning – no inferred sequences found.