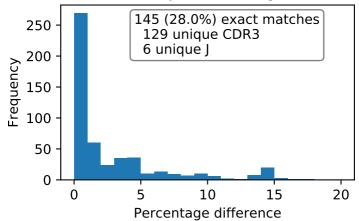
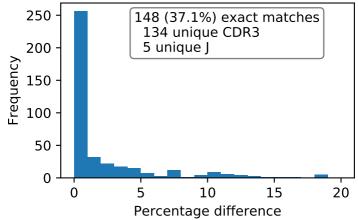
#### Gene IGHV1-2 72 sequences assigned 25 10 (13.9%) exact matches 10 unique CDR3 4 unique J 20 Frequency 15 Percentage difference

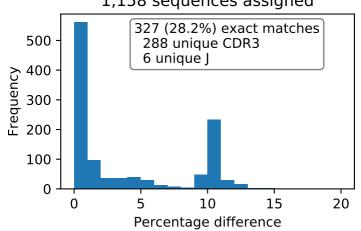
#### Gene IGHV1-2\_S4872 517 sequences assigned



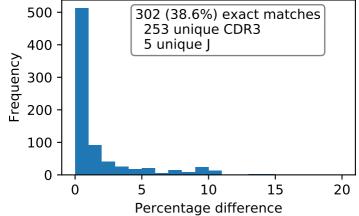
## Gene IGHV1-2\_S7832 399 sequences assigned



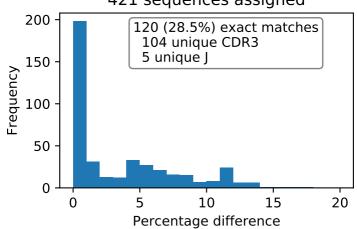
## Gene IGHV1-2\_S8393



# Gene IGHV1-46 783 sequences assigned [302 (38.6%) exact matche



#### Gene IGHV1-46\_S3586 421 sequences assigned

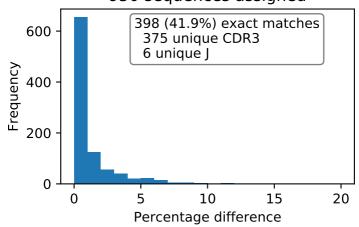


#### Gene IGHV3-30 1,217 sequences assigned 251 (20.6%) exact matches 400 213 unique CDR3 6 unique J 300 Frequency 200 100 15

Percentage difference

#### Gene IGHV4-59 1,250 sequences assigned 250 141 (11.3%) exact matches 135 unique CDR3 200 5 unique J Frequency 150 100 50 Percentage difference

#### Gene IGHV4-59\_S9468 950 sequences assigned



### Gene IGHV5-51 1,043 sequences assigned

