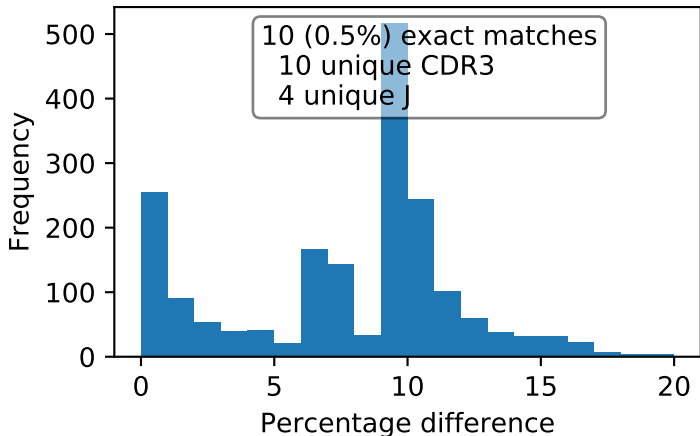


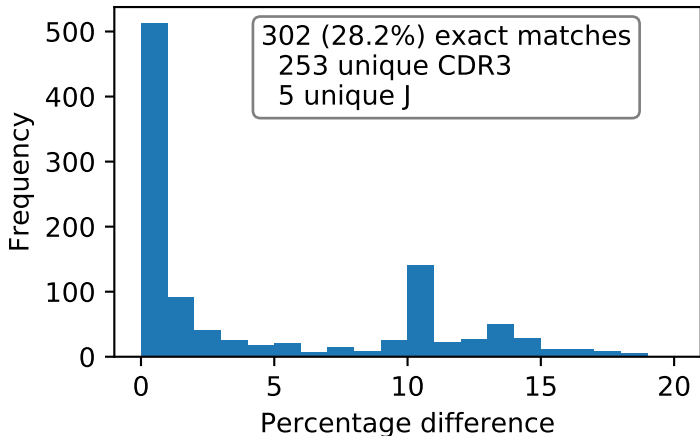
# Gene IGHV1-2

1,911 sequences assigned



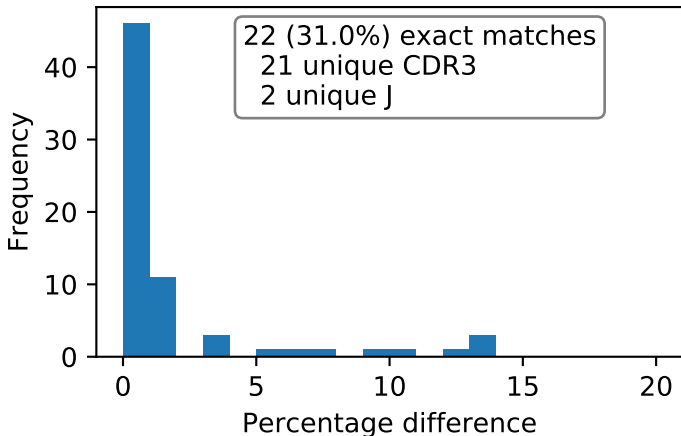
# Gene IGHV1-46

1,070 sequences assigned



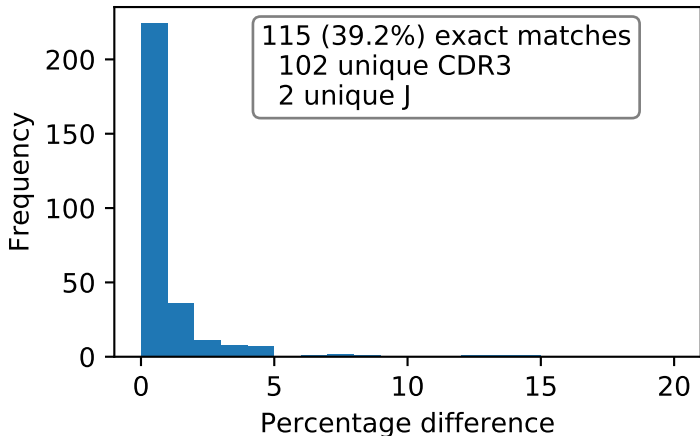
# Gene IGHV1-69

71 sequences assigned



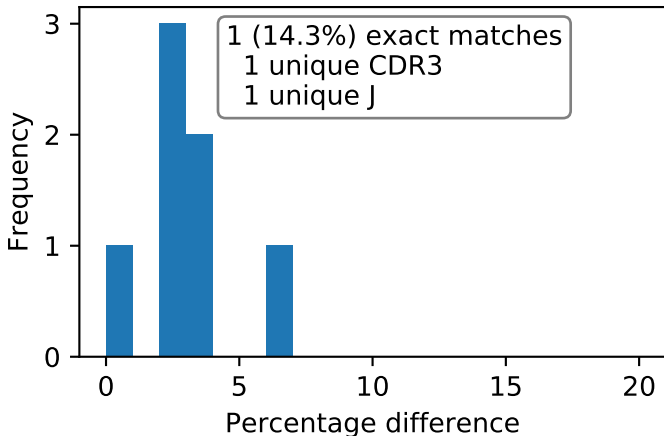
# Gene IGHV1-69D

293 sequences assigned



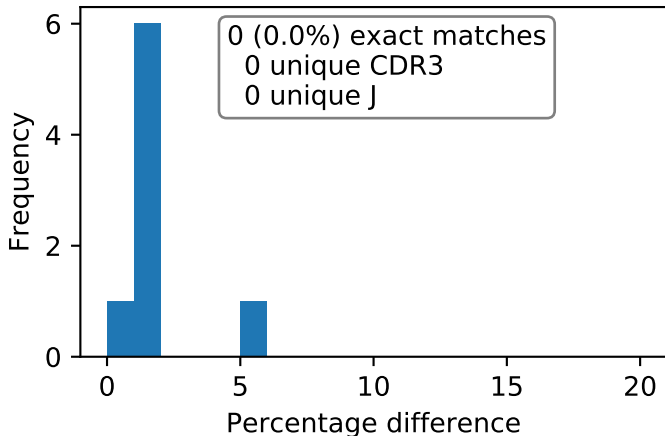
# Gene IGHV3-11

7 sequences assigned



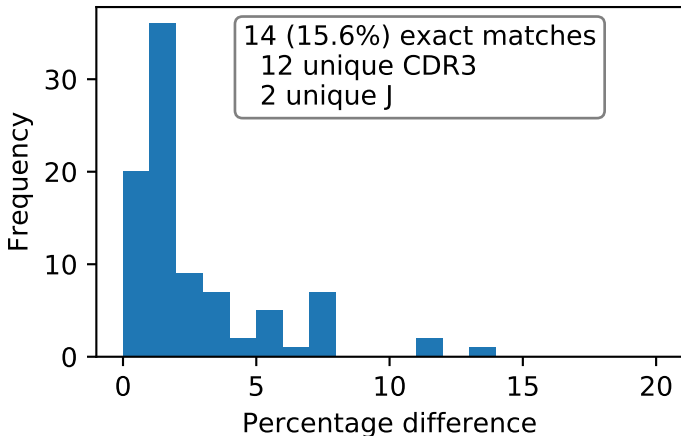
# Gene IGHV3-13

8 sequences assigned



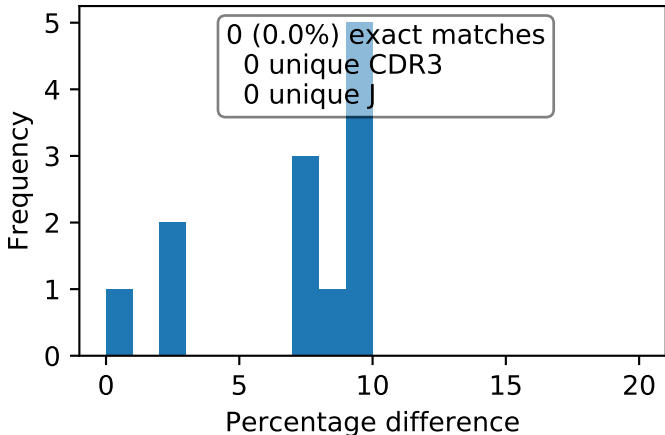
# Gene IGHV3-15

90 sequences assigned



# Gene IGHV3-20

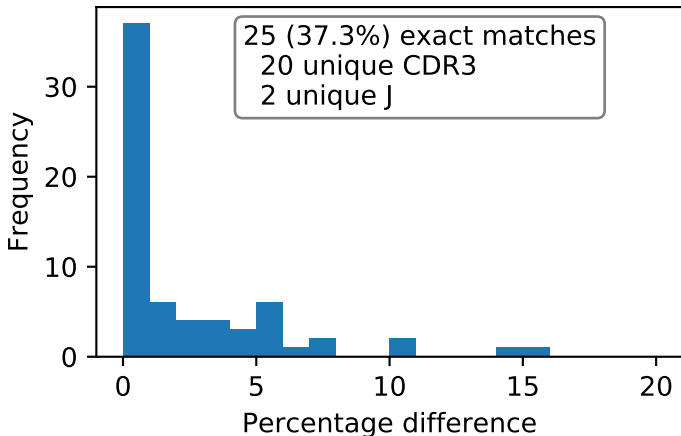
12 sequences assigned





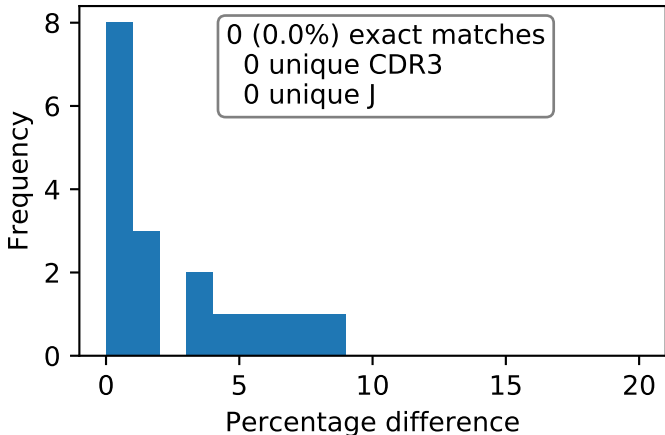
# Gene IGHV3-21

67 sequences assigned



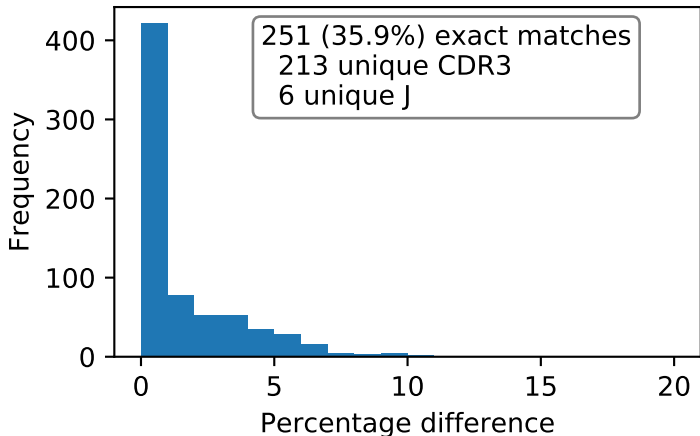
# Gene IGHV3-23

18 sequences assigned



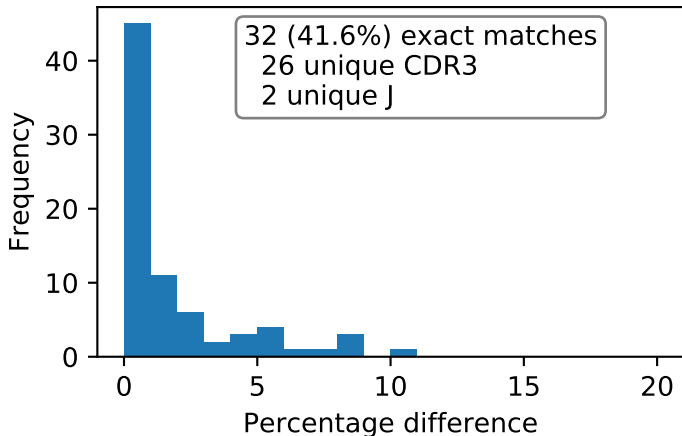
# Gene IGHV3-30

699 sequences assigned



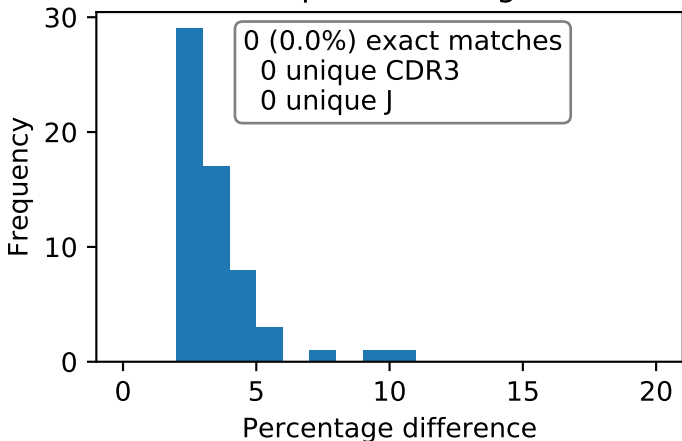
# Gene IGHV3-33

77 sequences assigned



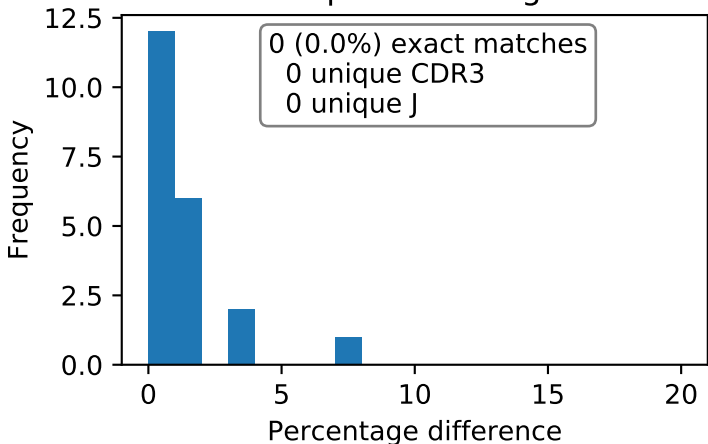
# Gene IGHV3-48

60 sequences assigned



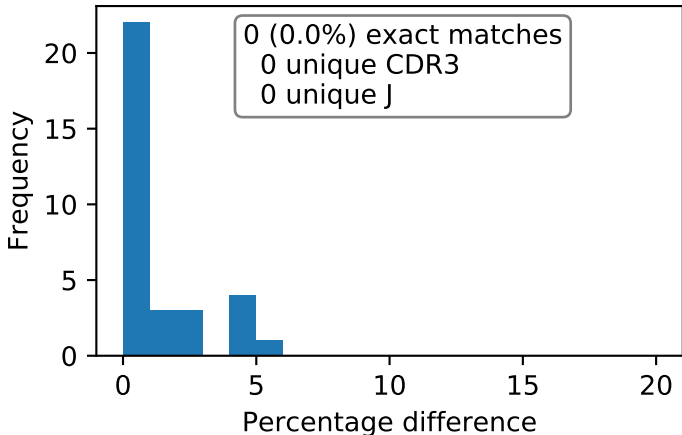
# Gene IGHV3-49

21 sequences assigned



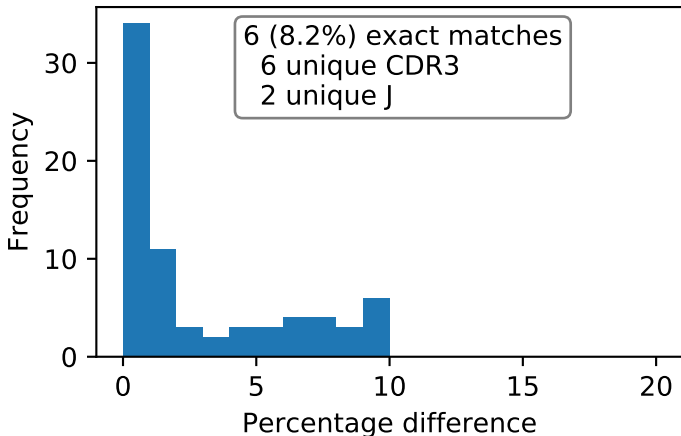
# Gene IGHV3-53

33 sequences assigned



# Gene IGHV3-7

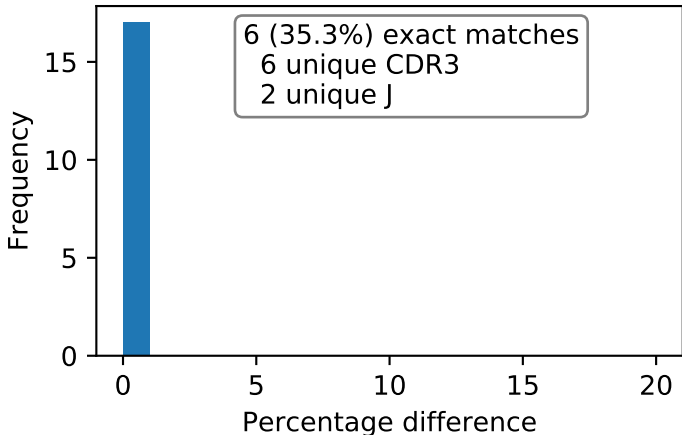
73 sequences assigned





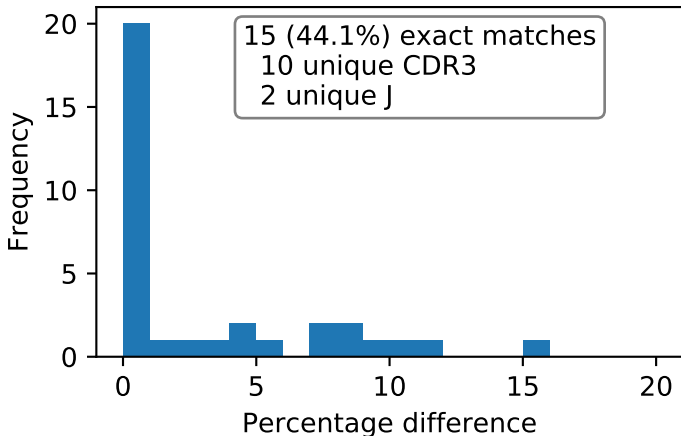
# Gene IGHV3-73

17 sequences assigned



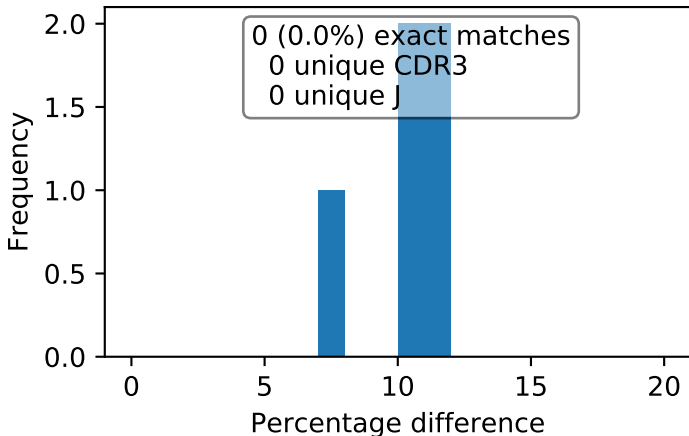
# Gene IGHV3-74

34 sequences assigned



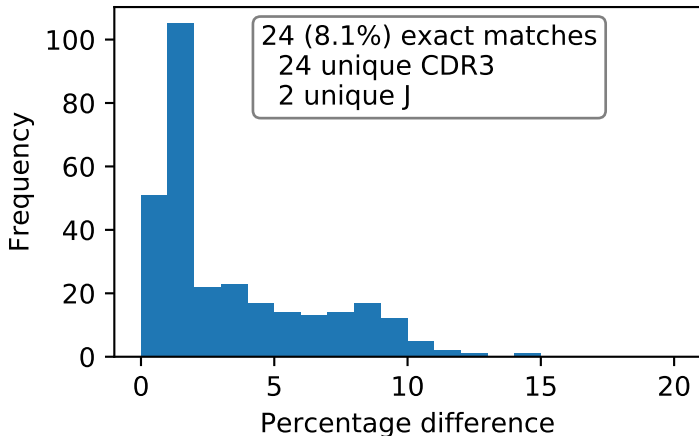
# Gene IGHV4-28

93 sequences assigned



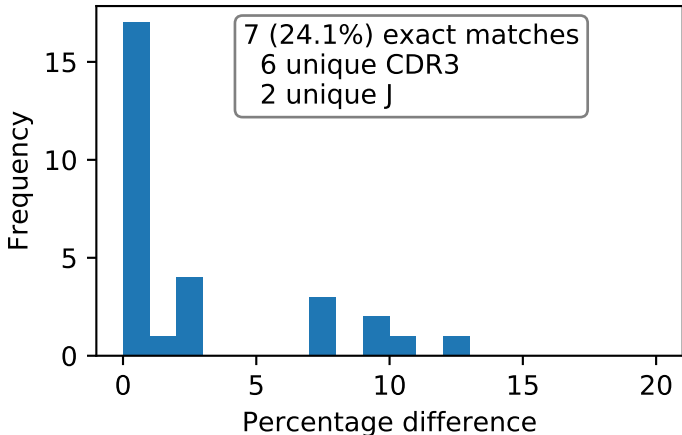
# Gene IGHV4-39

298 sequences assigned



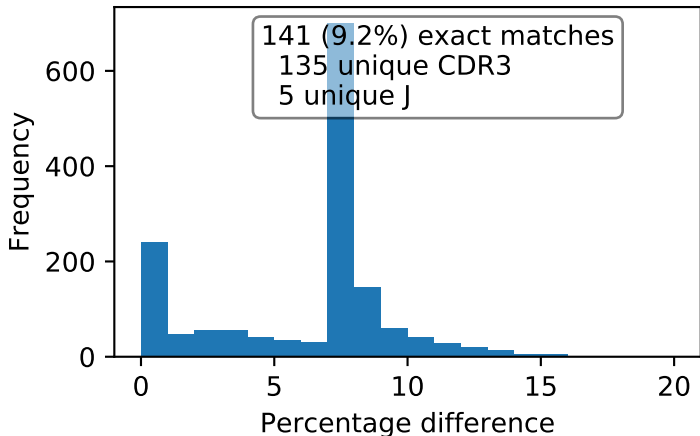
# Gene IGHV4-4

29 sequences assigned



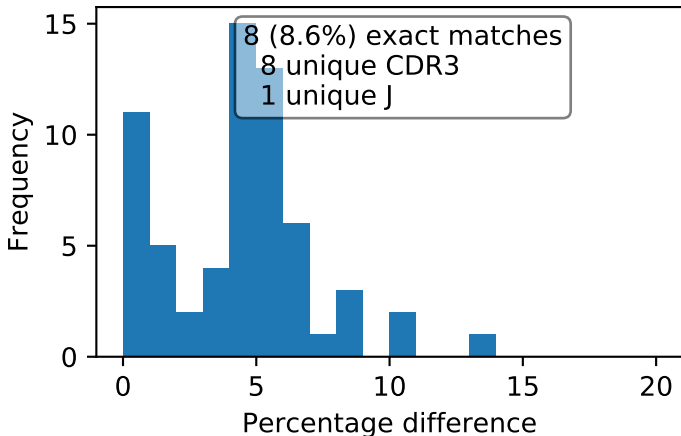
# Gene IGHV4-59

1,525 sequences assigned



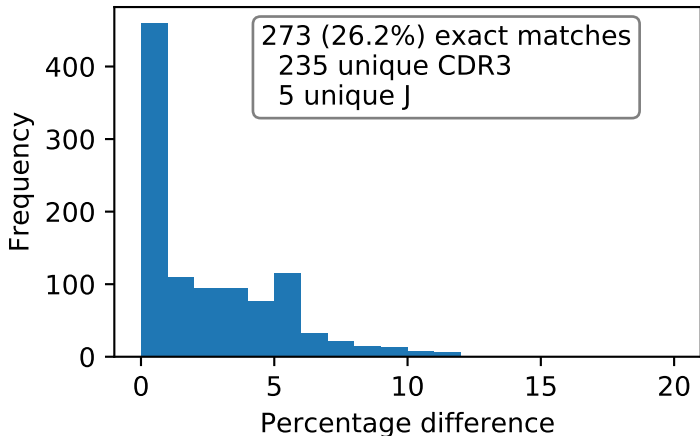
# Gene IGHV4-61

93 sequences assigned



# Gene IGHV5-51

1,043 sequences assigned





# Gene IGHV6-1

161 sequences assigned

