

## Bench Mark Ratio Report Comparing LFQ, Heavy Reference, and Unnormalized Data

# workings for human abundance in each sample

human\_light\_s5 = 66.8

human\_light\_s4 = 66.8

human\_heavy = 60

human\_total\_s5 = human\_light\_s5 + human\_heavy

human\_total\_s4 = human\_light\_s4 + human\_heavy

# workings for ecoli abundance in each sample

ecoli\_light\_s5 = 66.8

ecoli\_light\_s4 = 6.8

ecoli\_heavy = 6

ecoli\_total\_s5 = ecoli\_light\_s5 + ecoli\_heavy

ecoli\_total\_s4 = ecoli\_light\_s4 + ecoli\_heavy

# workings for expected ratios in each channel (human)

expected\_human\_light = human\_light\_s4/human\_light\_s5

expected\_human\_heavy = human\_heavy/human\_heavy

expected\_human\_total = human\_total\_s4/human\_total\_s5

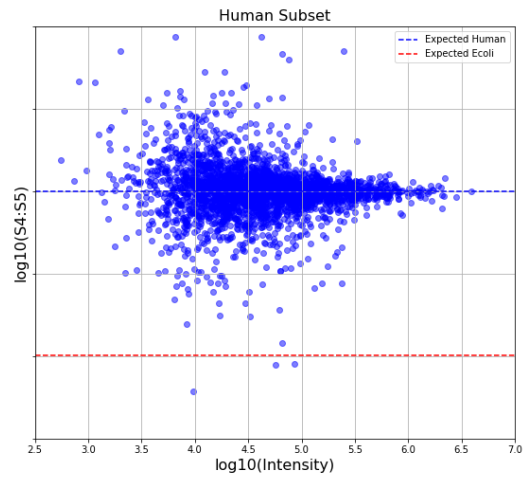
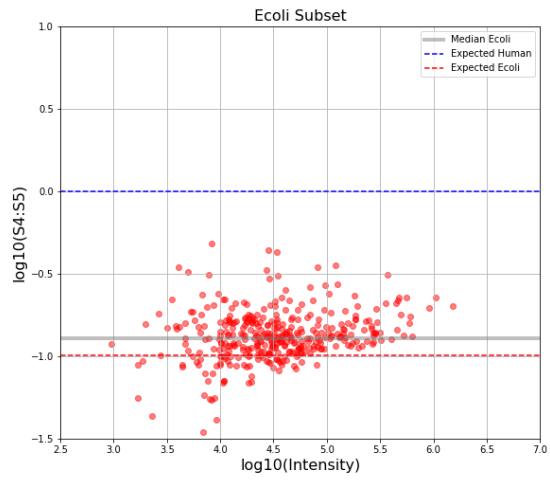
# workings for expected ratios in each channel (ecoli)

expected\_ecoli\_light = ecoli\_light\_s4/ecoli\_light\_s5

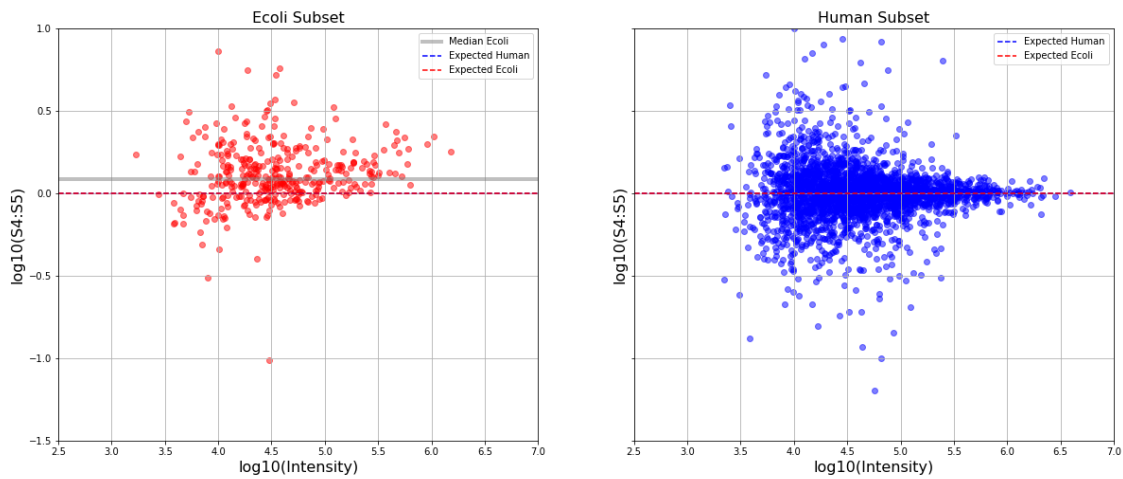
expected\_ecoli\_heavy = ecoli\_heavy/ecoli\_heavy

expected\_ecoli\_total = ecoli\_total\_s4/ecoli\_total\_s5

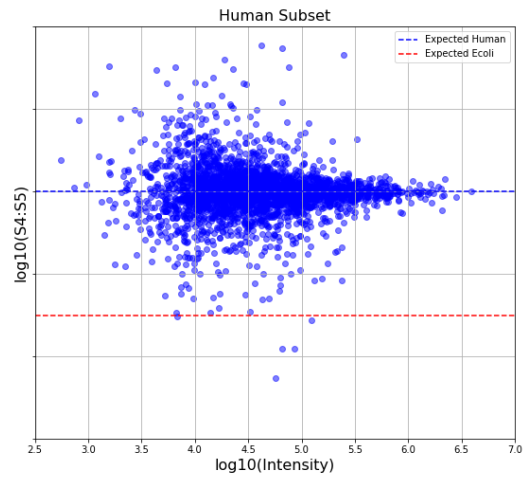
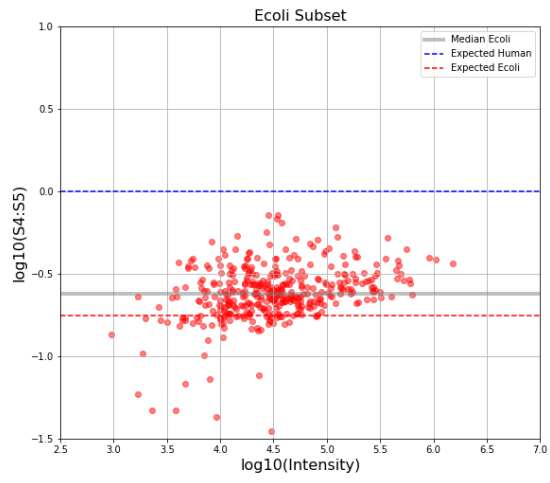
# Light (no norm)



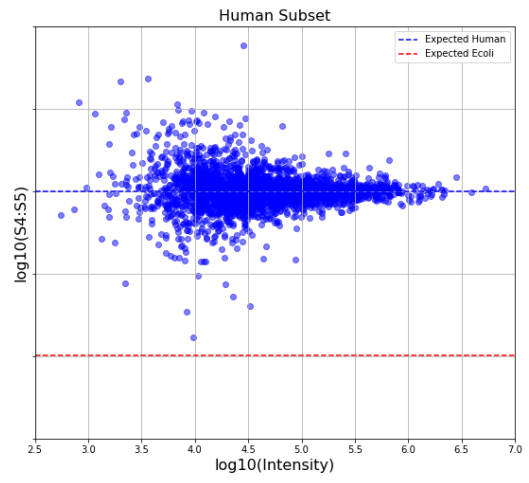
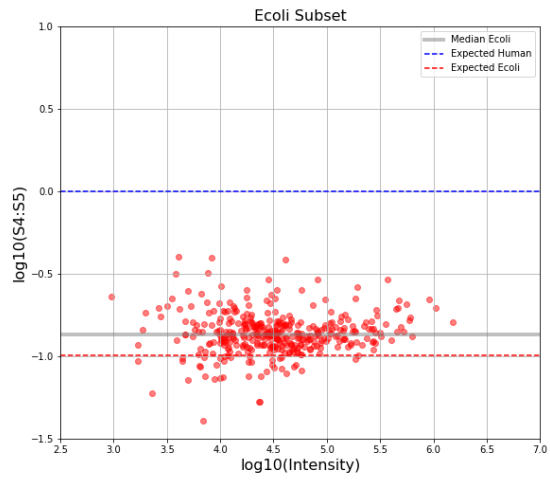
Heavy (no norm)



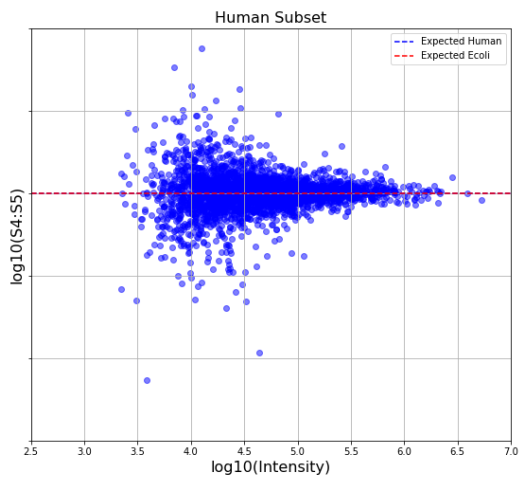
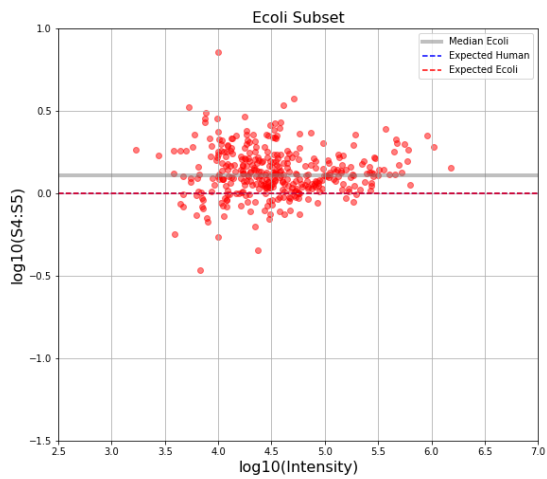
# Total (no norm)



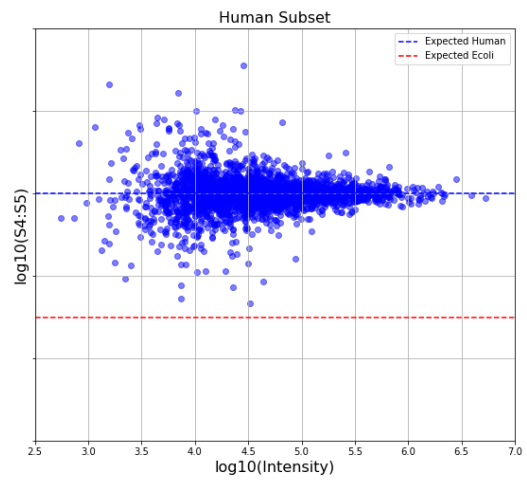
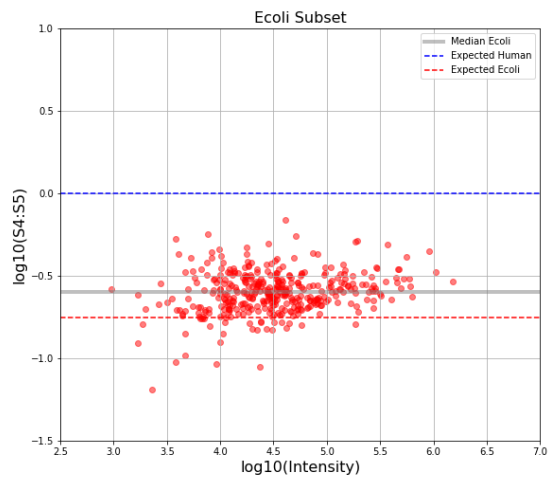
# Light (lfq)



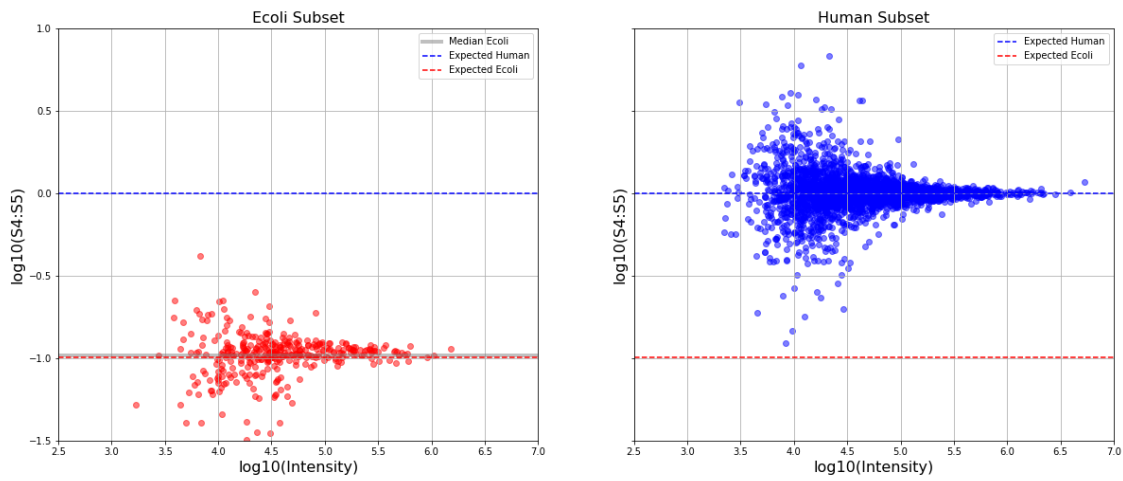
Heavy (Ifq)



# Total (lfq)

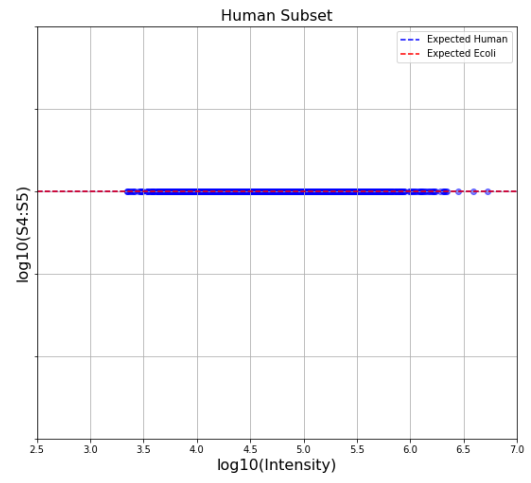
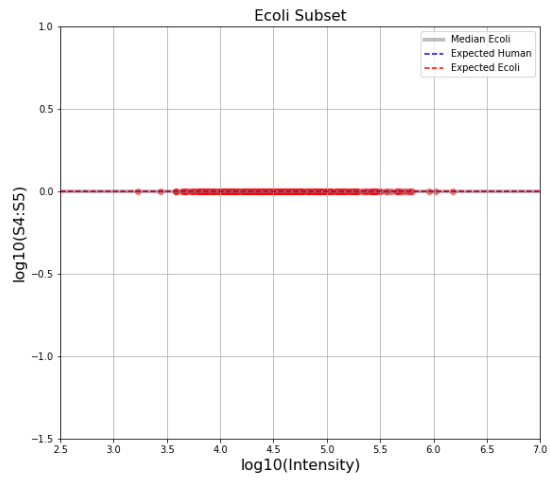


Light (href)





## Heavy (href)



Total (href)

