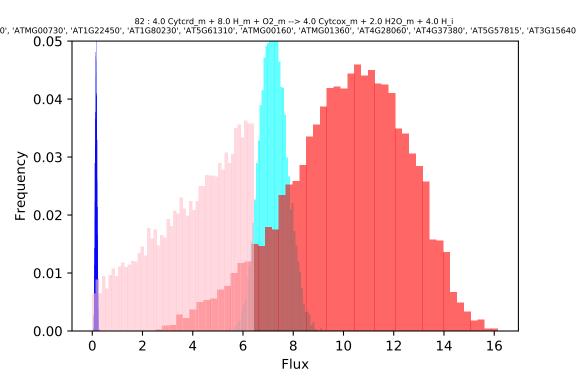


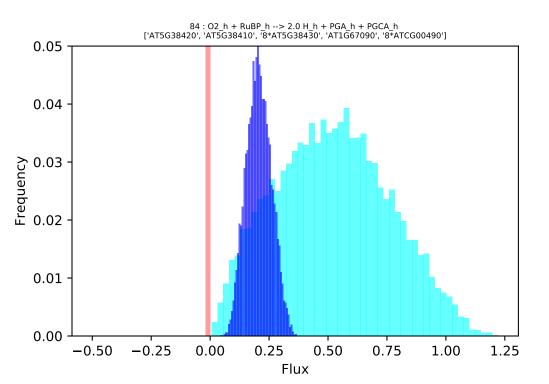
80 : 5.0 H_m + NADH_m + Q_m --> 4.0 H_i + NAD_m + QH2_m, 'ATMG00665', 'ATMG00070', 'AT5G37510', 'AT1G16700', 'ATMG01120', 'ATMG00513', 'ATMG00580', 'ATMG01320', 'ATMG00510', 'ATMG01275 0.04 -Frequency 20.0 0.01 0.00 10 15 20 25 30

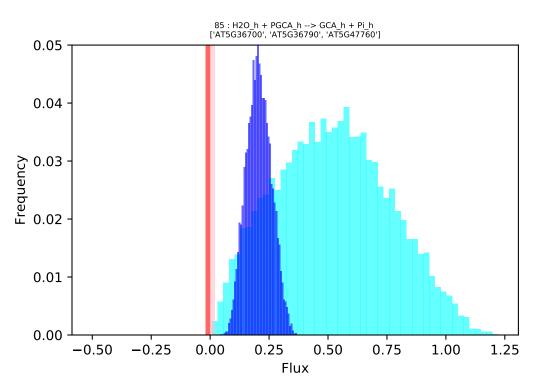
Flux

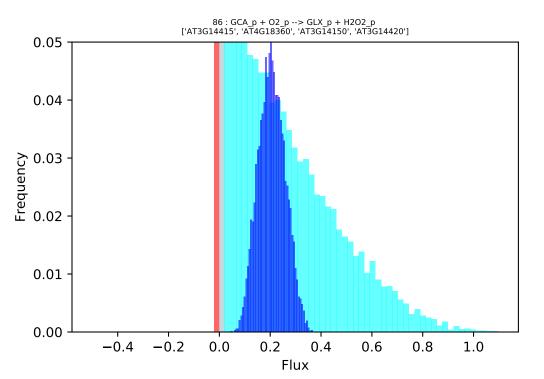
0.04 Frequency 20.0 0.01 0.00 10 15 20 25 30 Flux

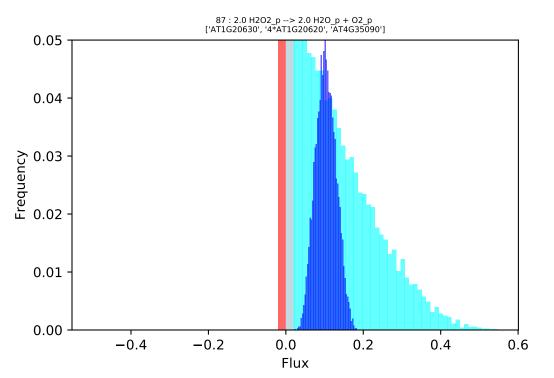


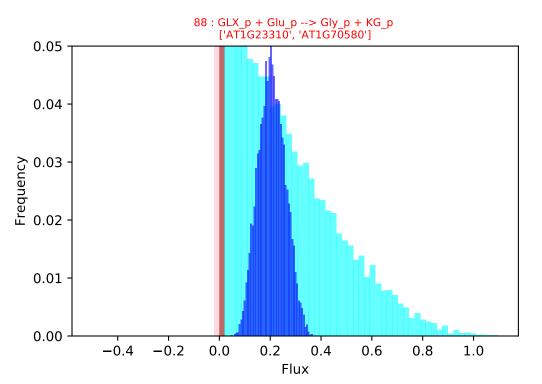
83 : ADP_m + 4.0 H_i + Pi_m <=> ATP_m + H2O_m + 3.0 H_m
5G47030', 'AT5G13450', 'ATMG00410', '3*AT5G08670', 'AT2G33040', 'ATMG01170', 'AT2G07671', 'AT3G52300', '2*ATMG00640', 'AT1G51650',
0.05 T 0.04 Frequency 20.0 0.01 0.00 10 20 30 40 50 60 70 80 Flux

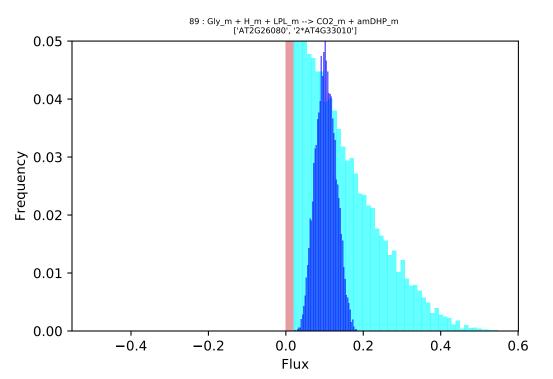


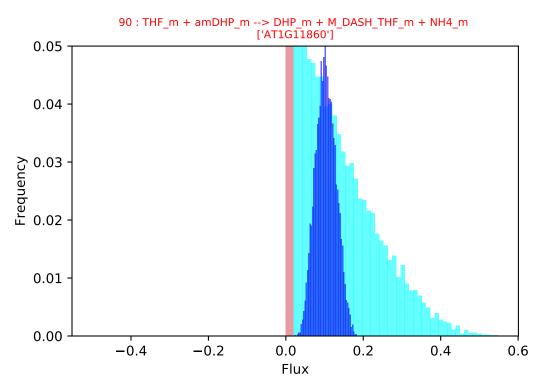


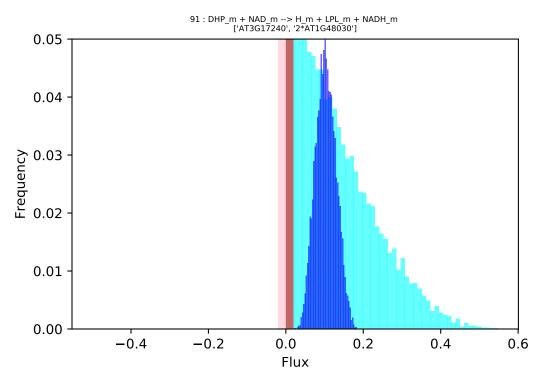


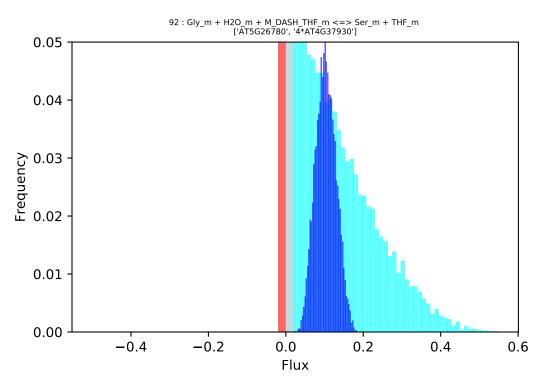


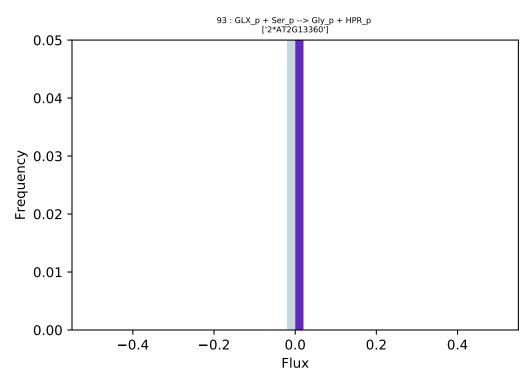


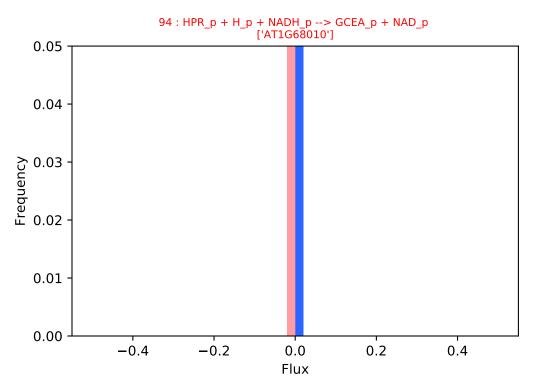


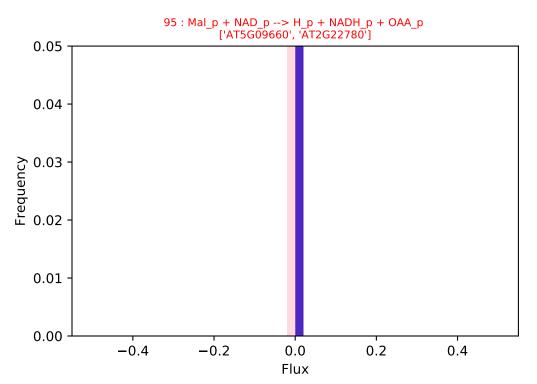


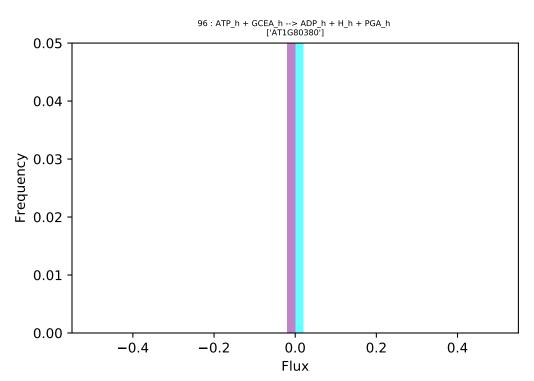


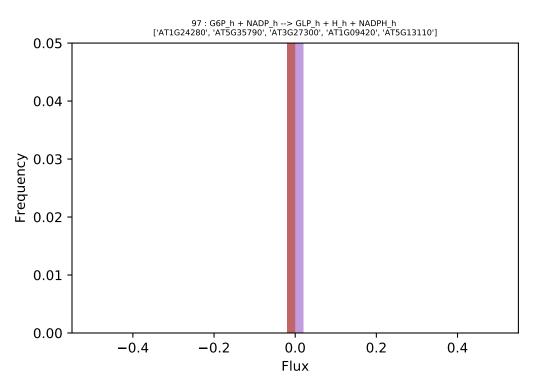


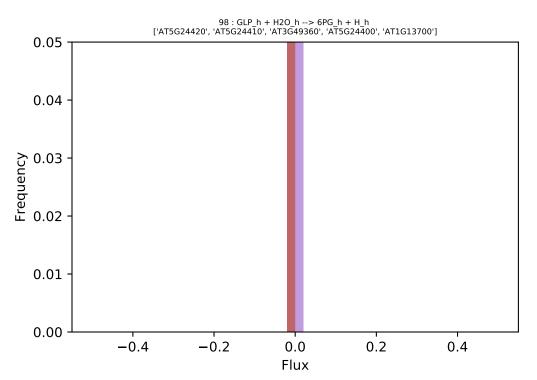


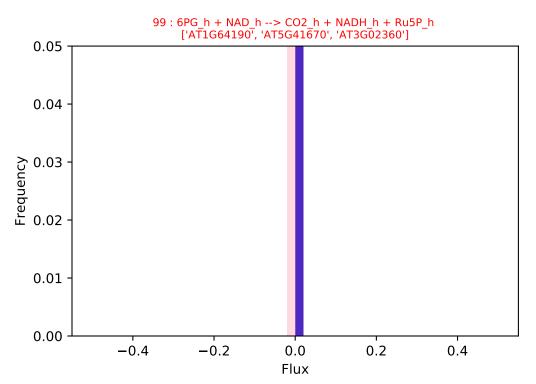


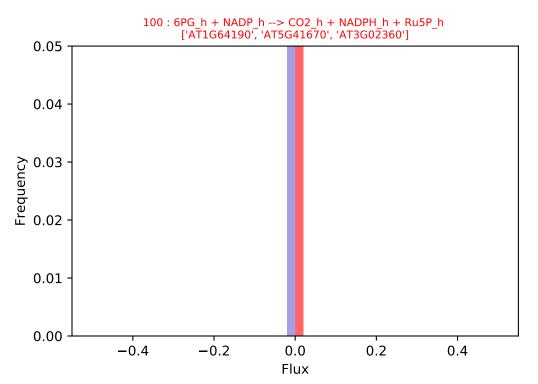


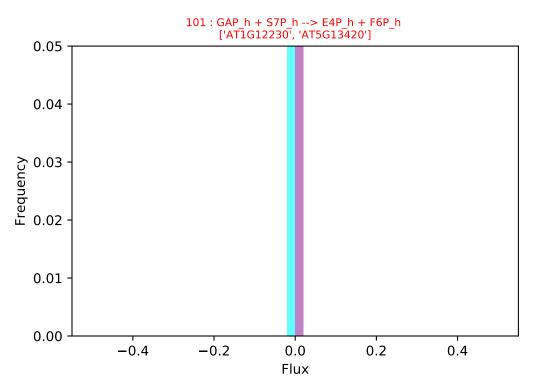


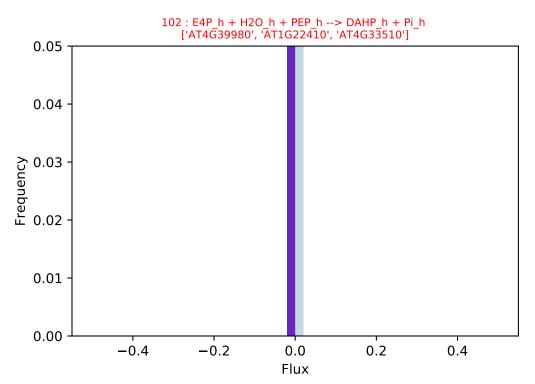


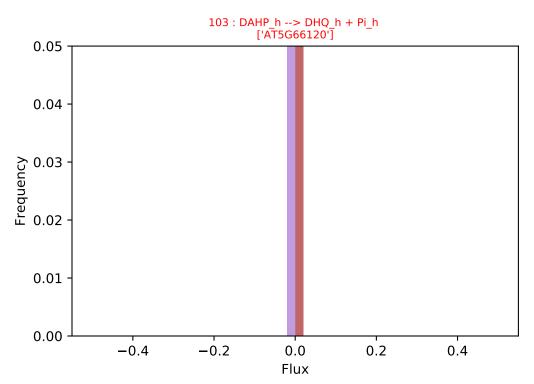


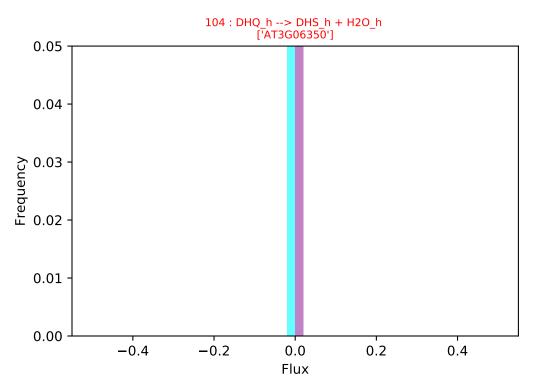


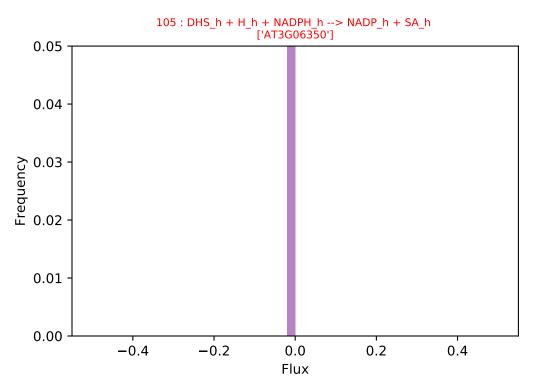


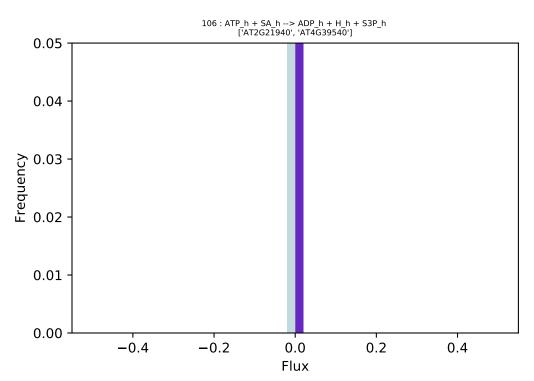


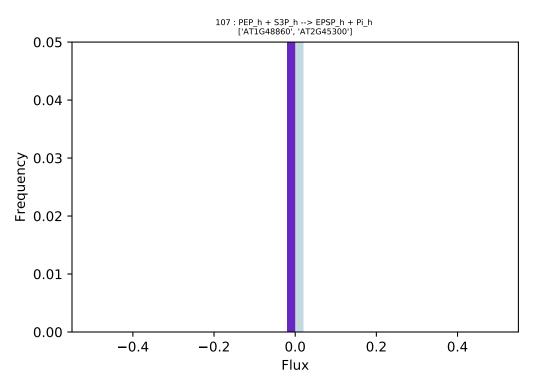


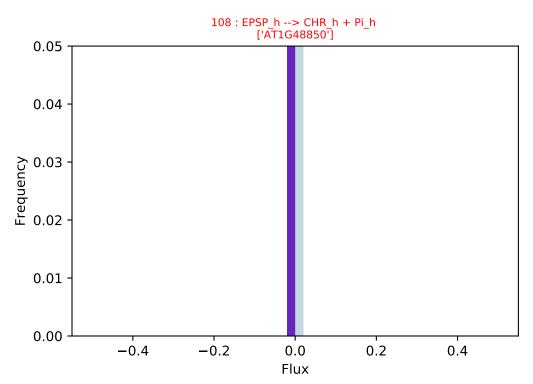


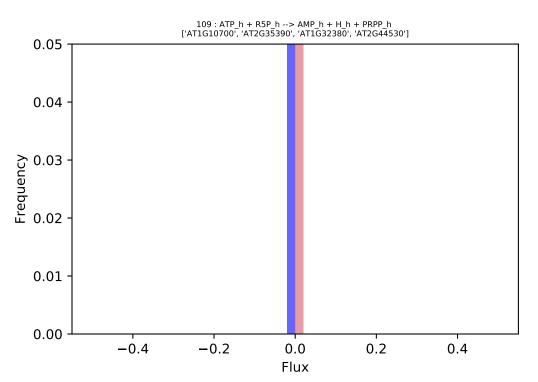


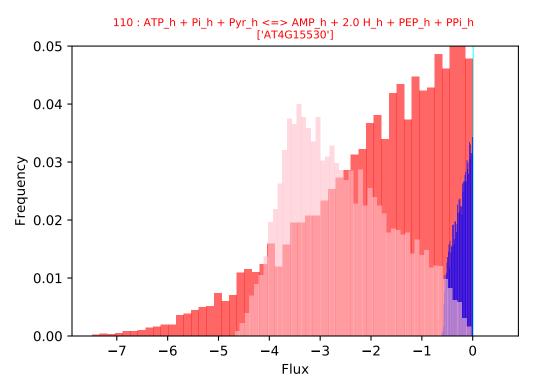


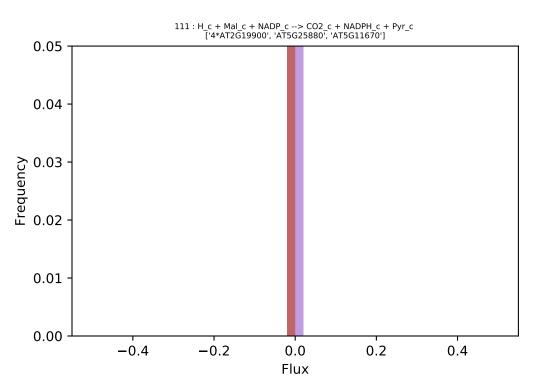


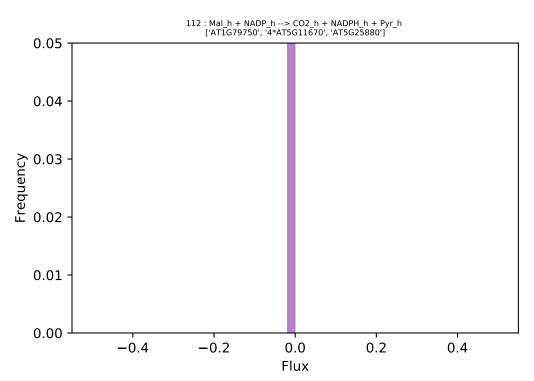


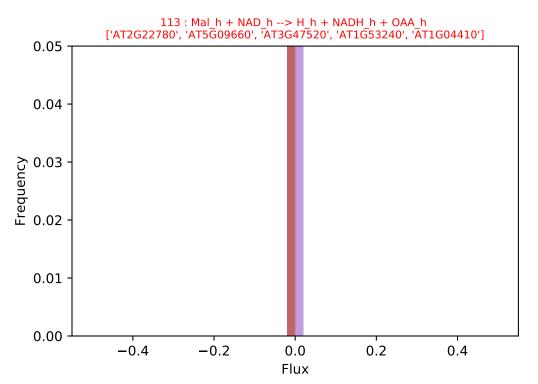


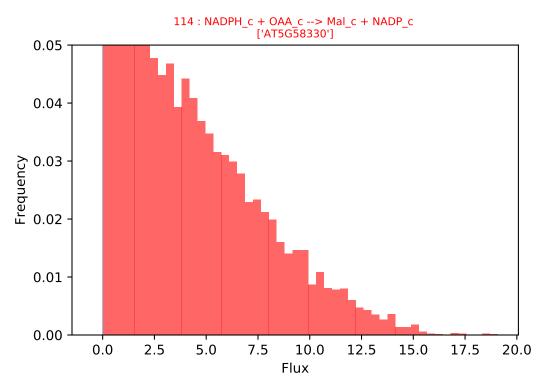


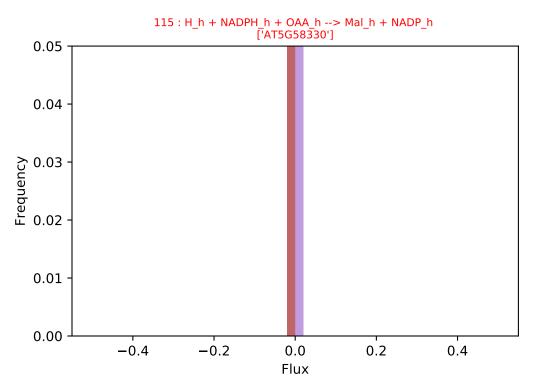


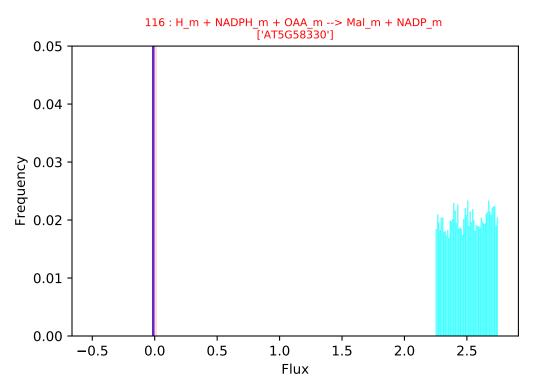


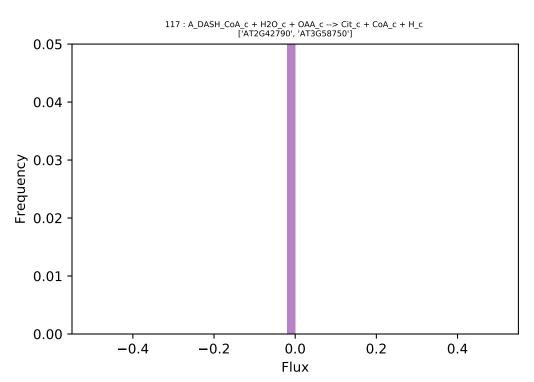


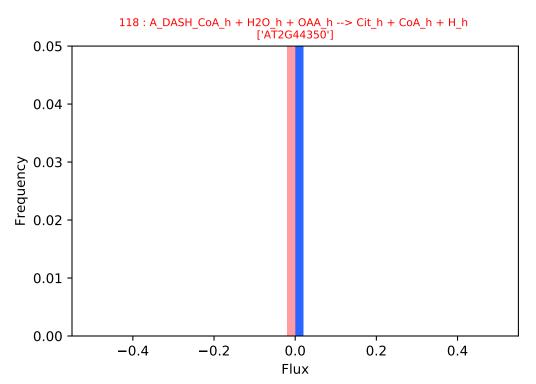


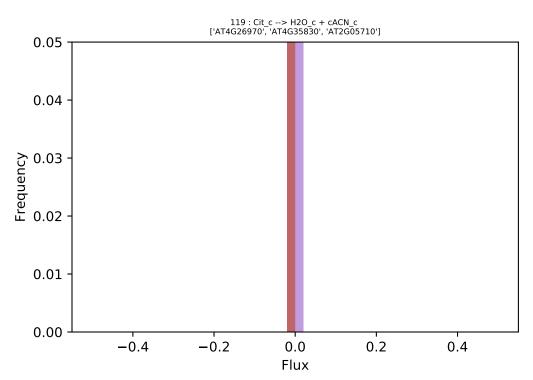


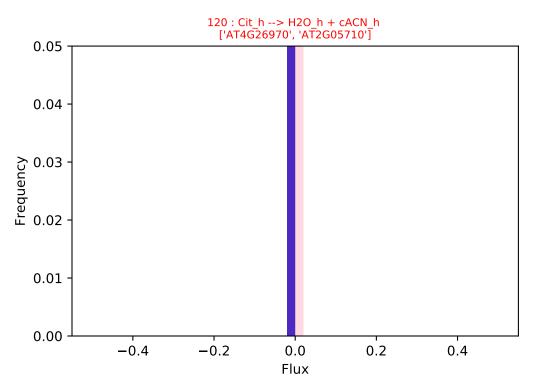


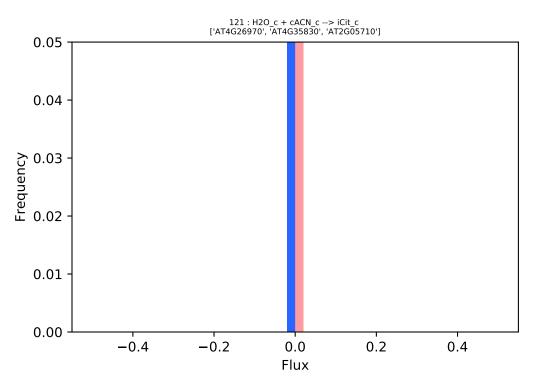


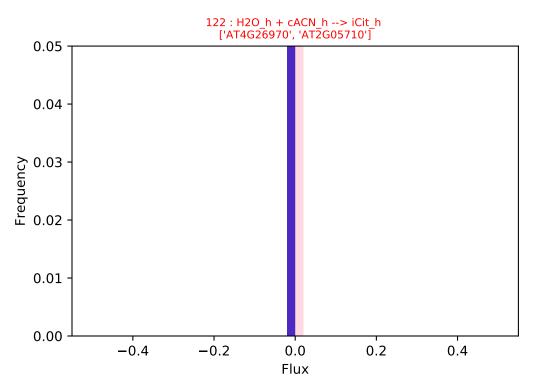


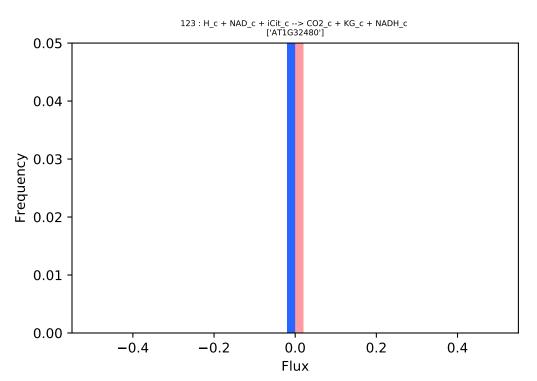


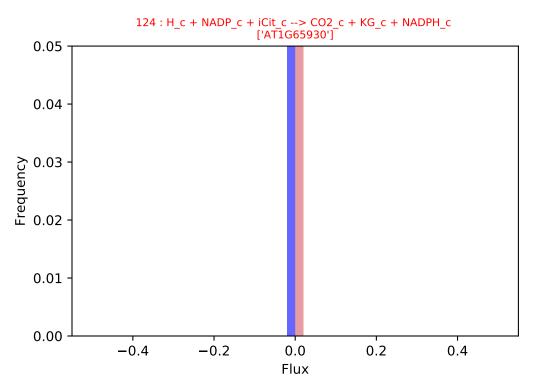


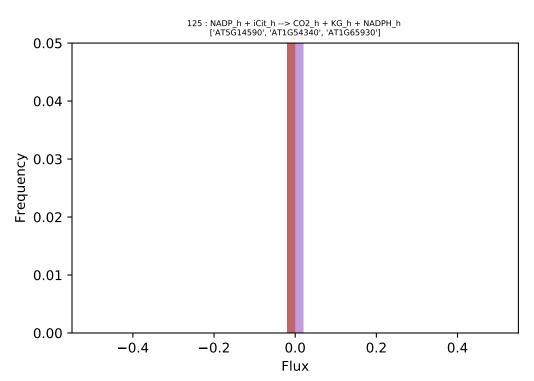


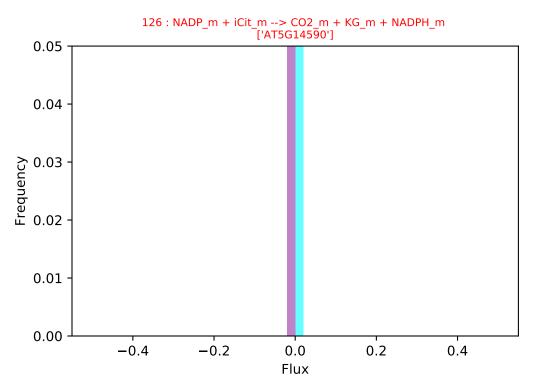


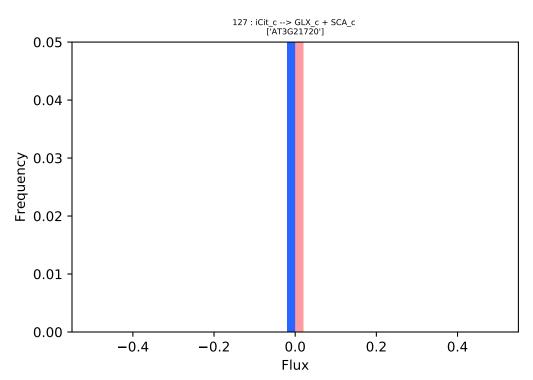


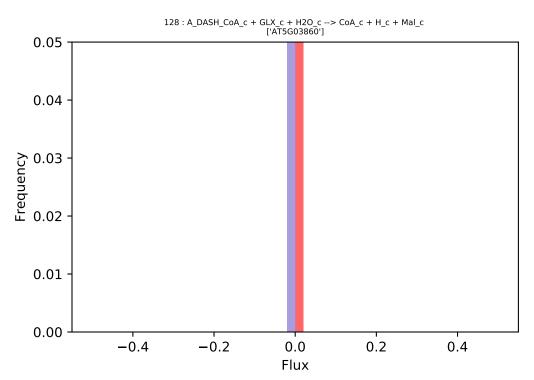


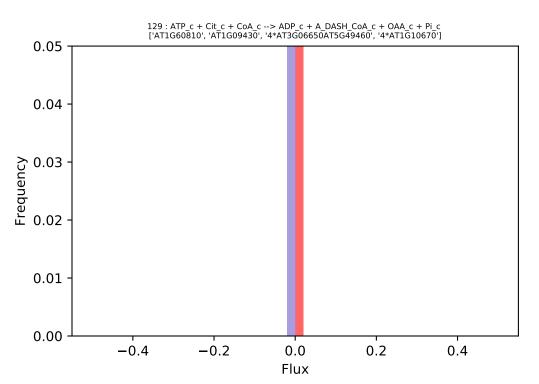


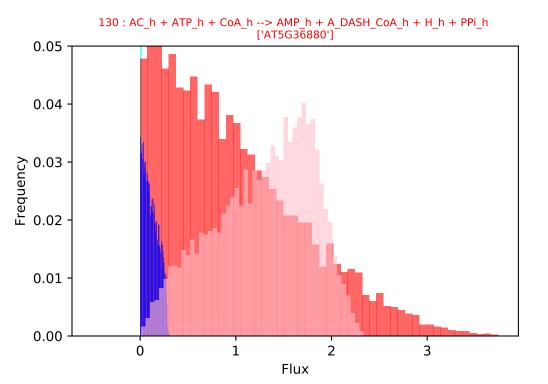


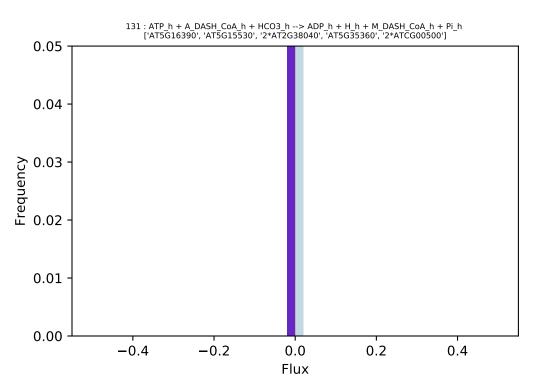


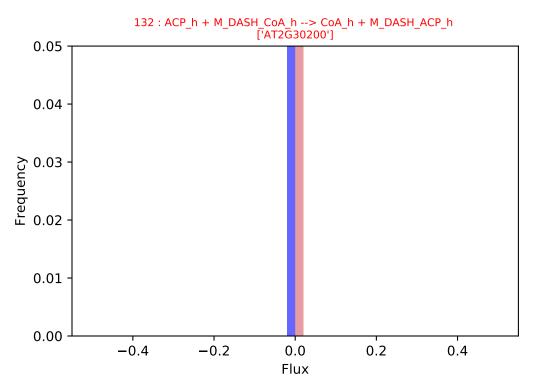


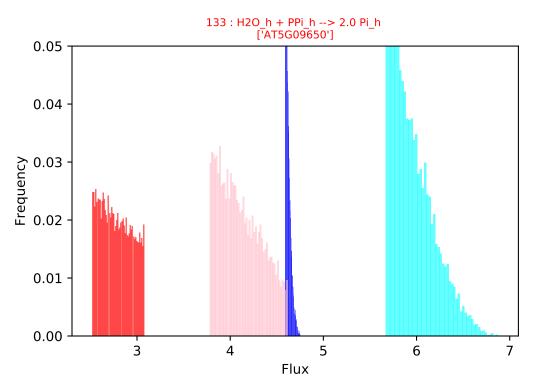


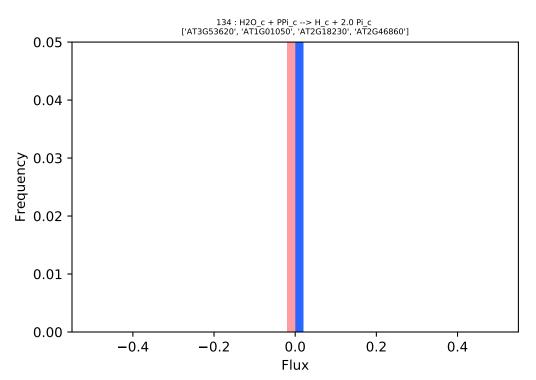


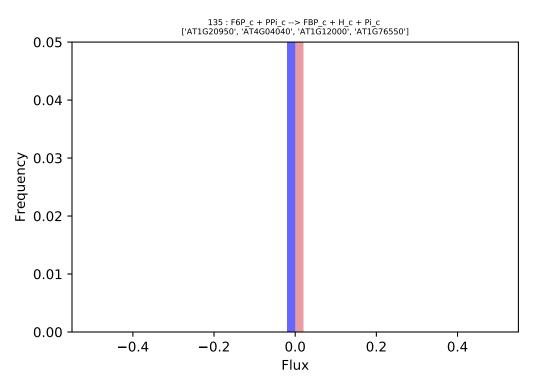


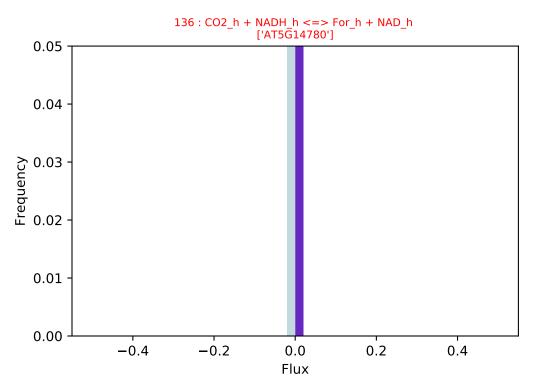


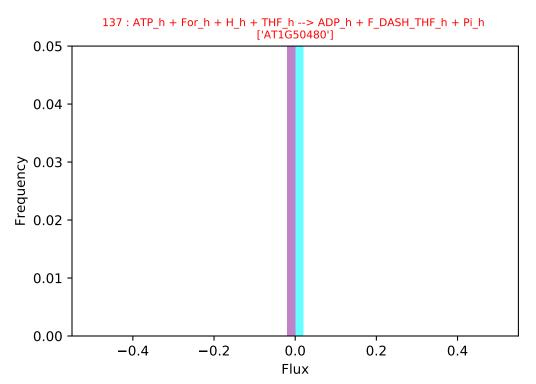


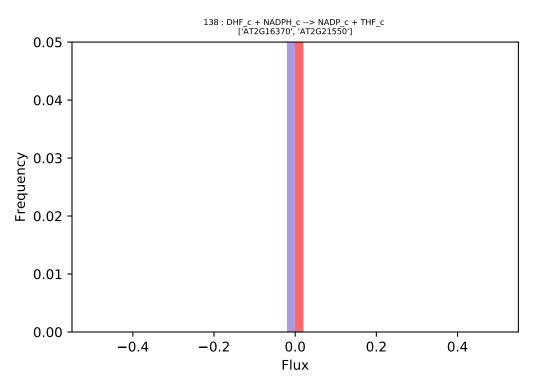


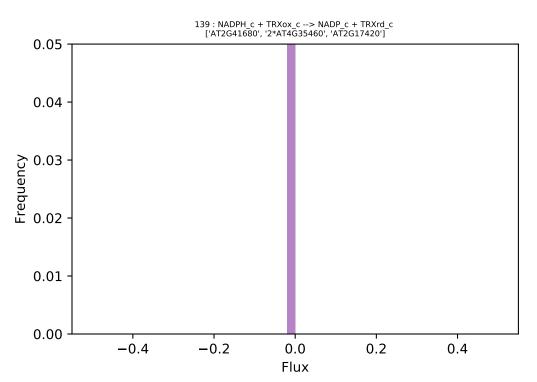


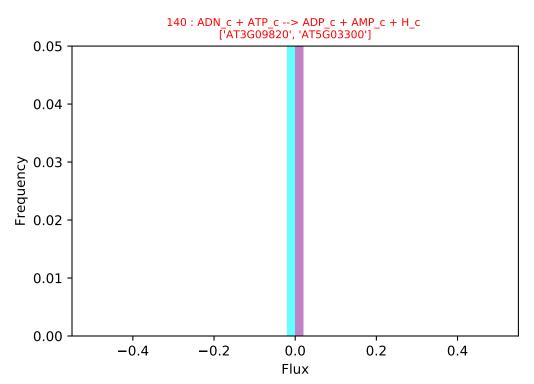


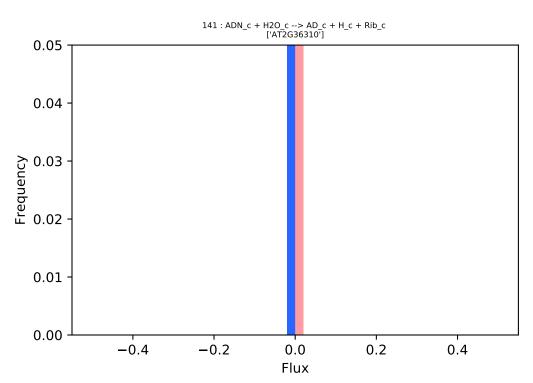


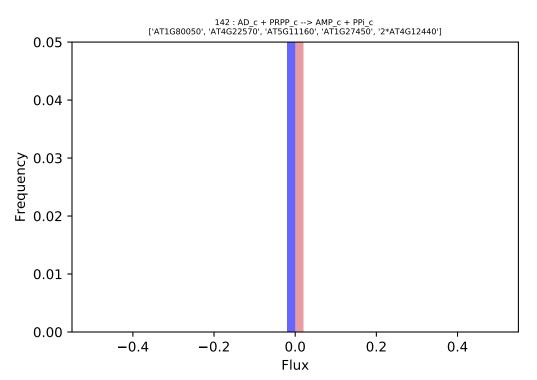


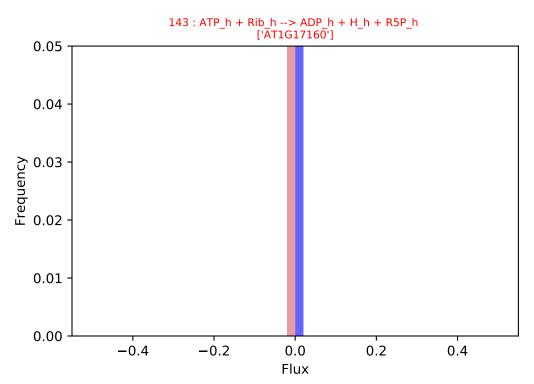


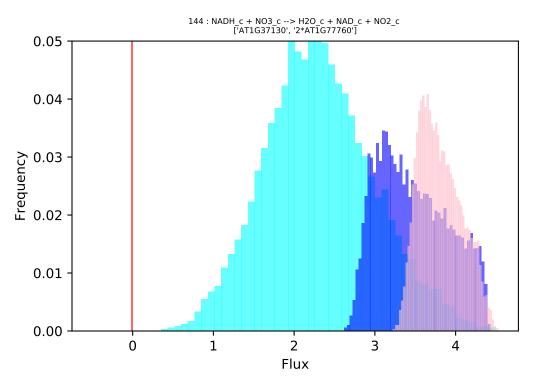


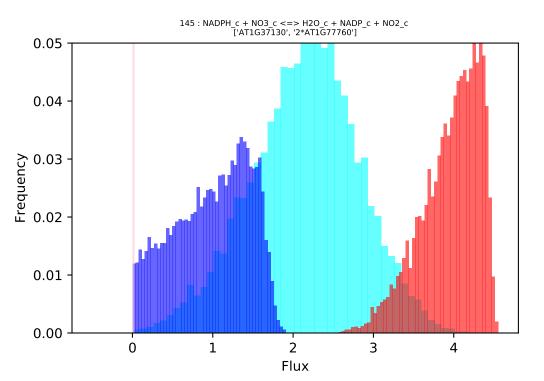




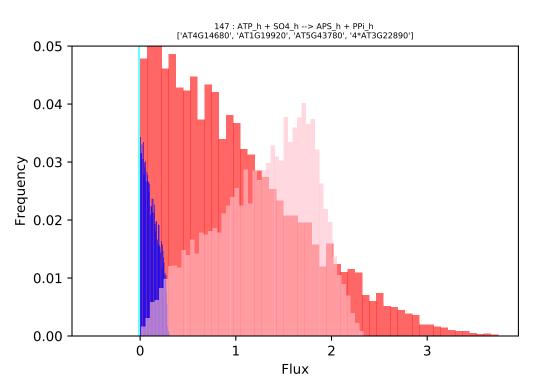


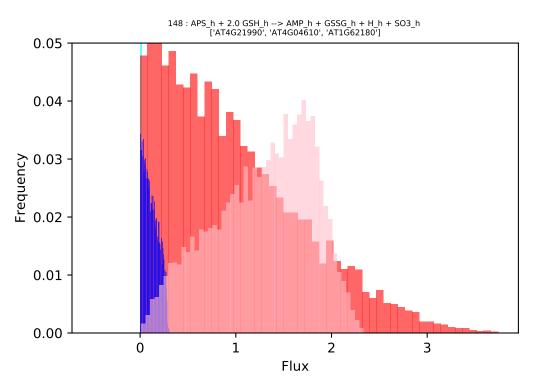


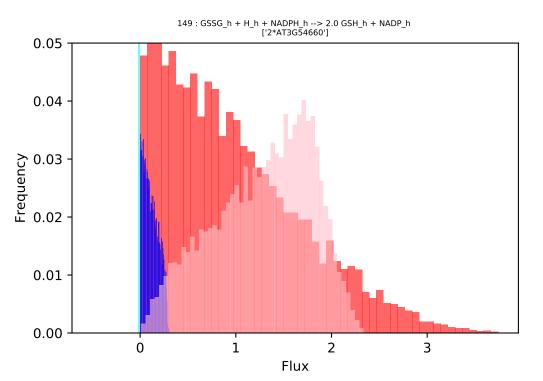


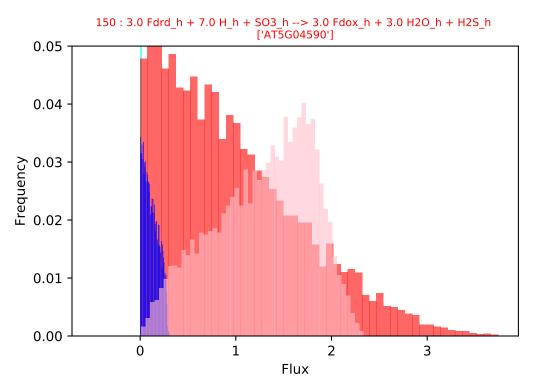


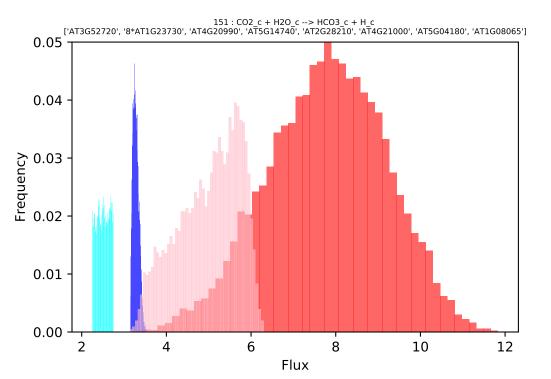
146: 6.0 Fdrd_h + 8.0 H_h + NO2_h --> 6.0 Fdox_h + 2.0 H2O_h + NH4_h ['AT2G15620'] 0.05 0.04 -Eveduency - 20.03 0.01 0.00 2.75 2.50 3.00 3.25 3.50 3.75 4.00 4.25 4.50 Flux

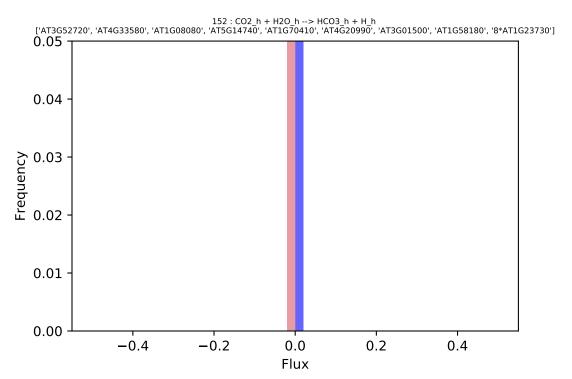


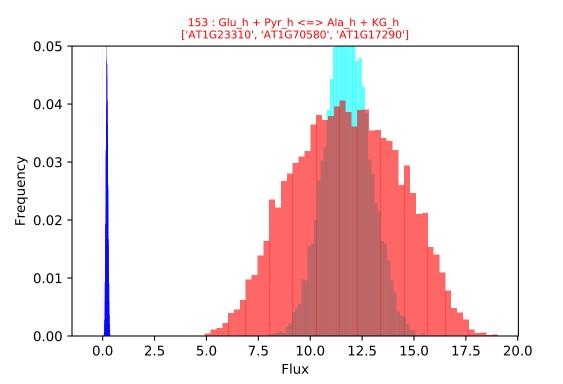


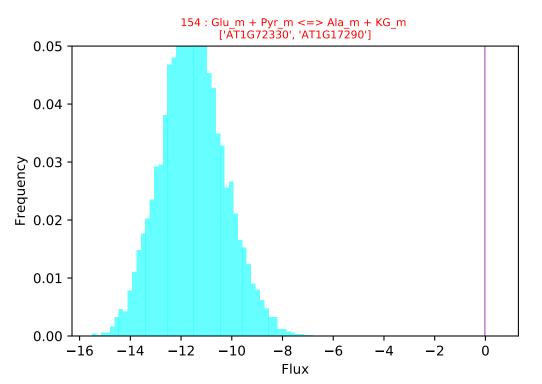


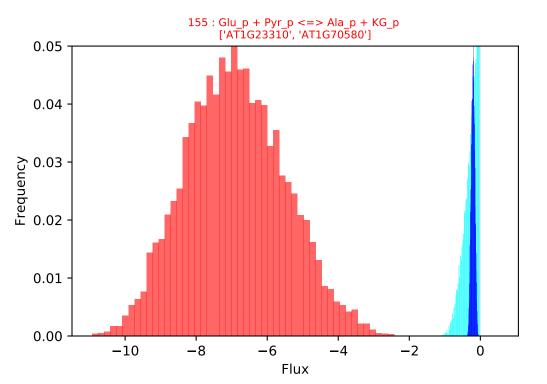


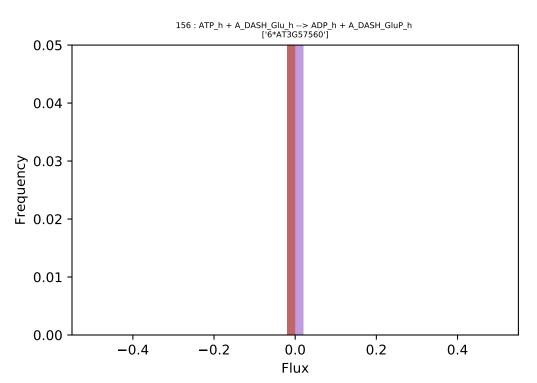


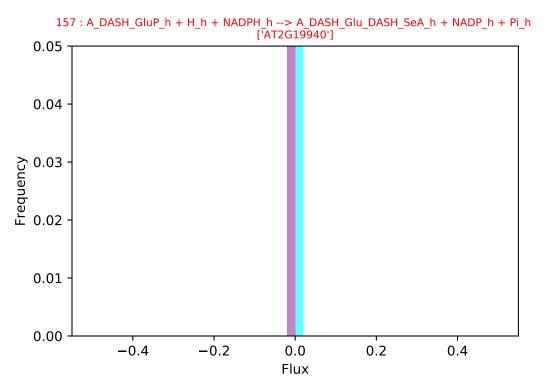


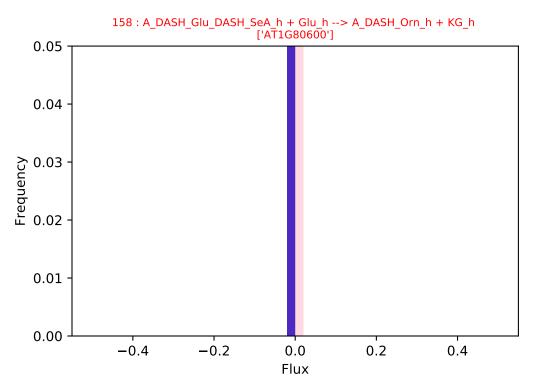


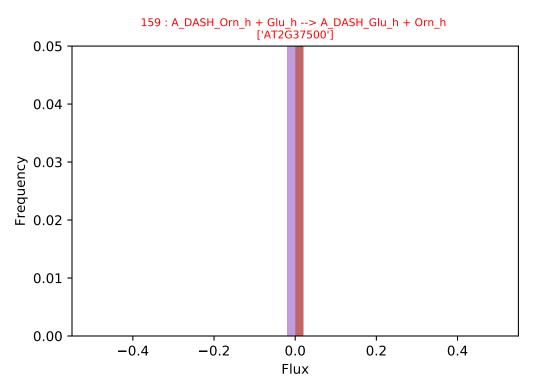


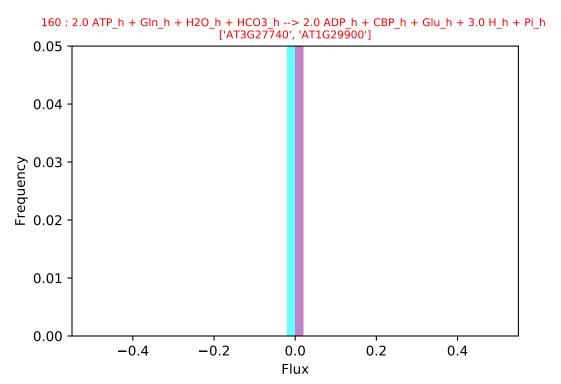


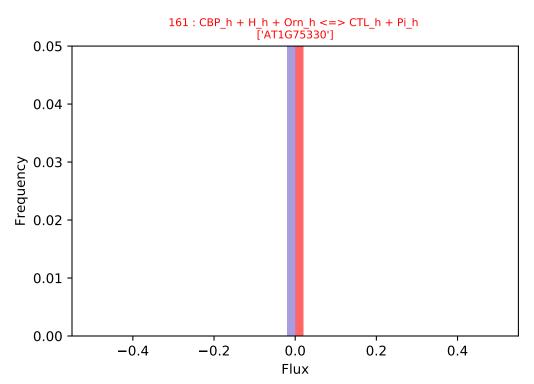


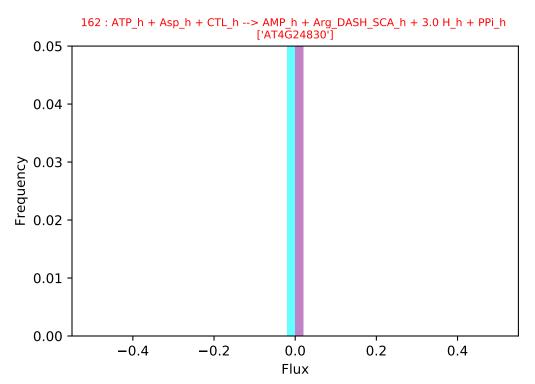


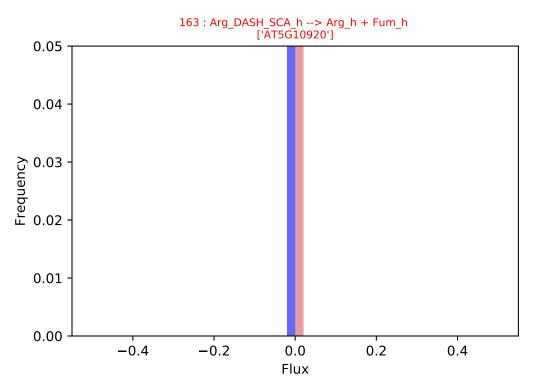


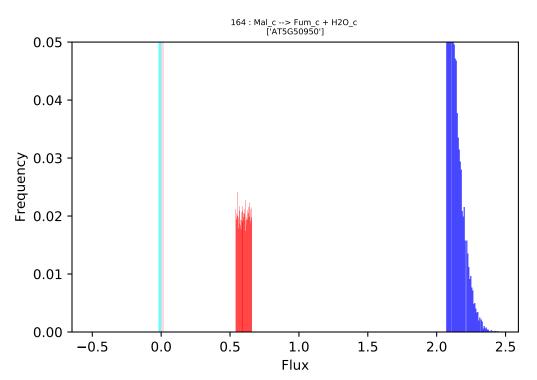


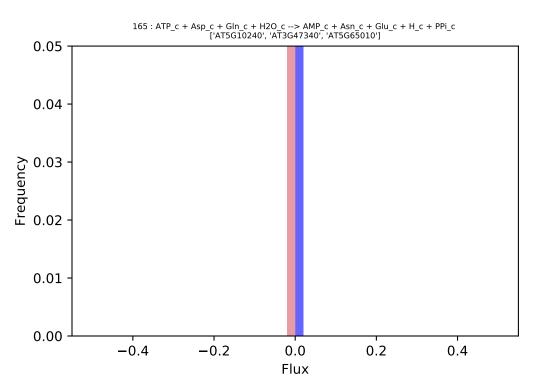


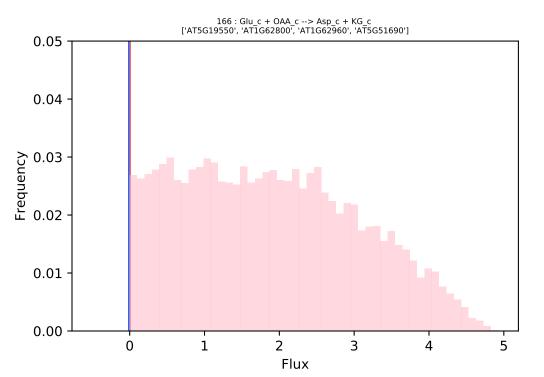


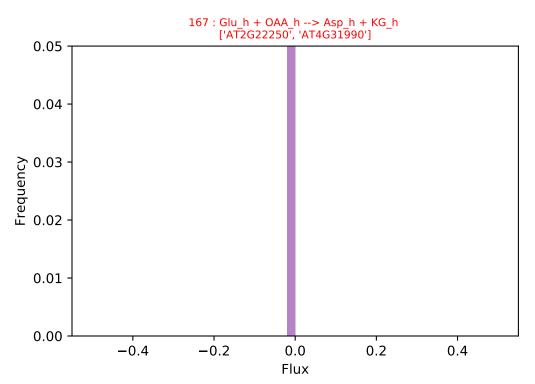


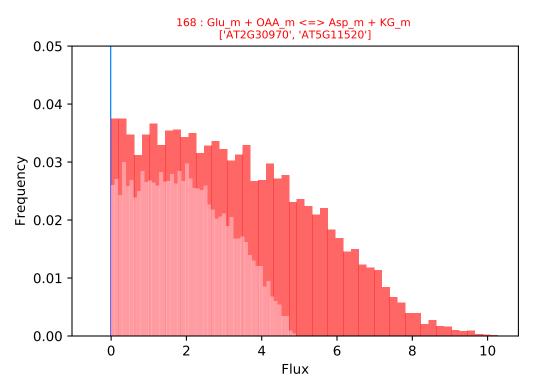


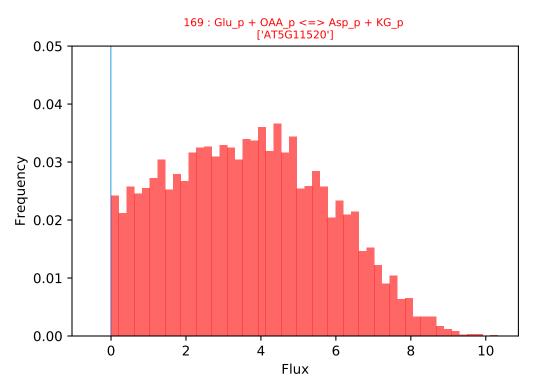


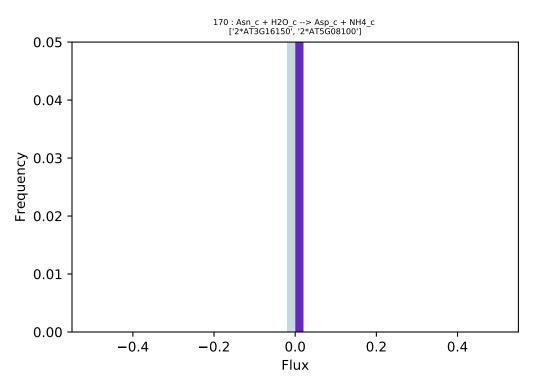


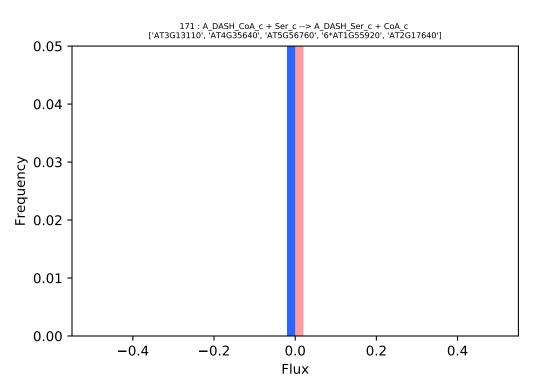


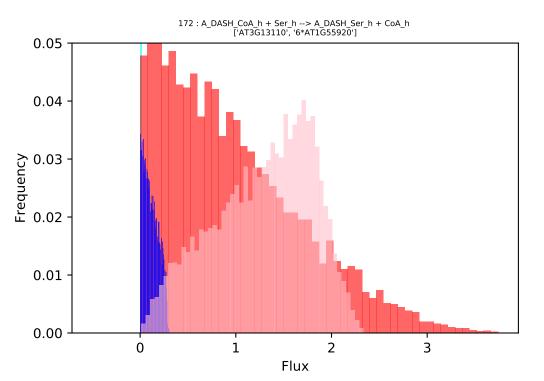


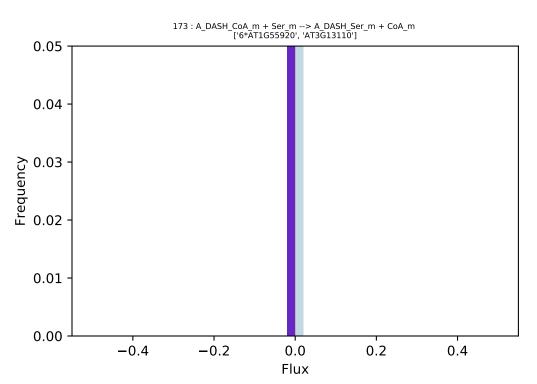


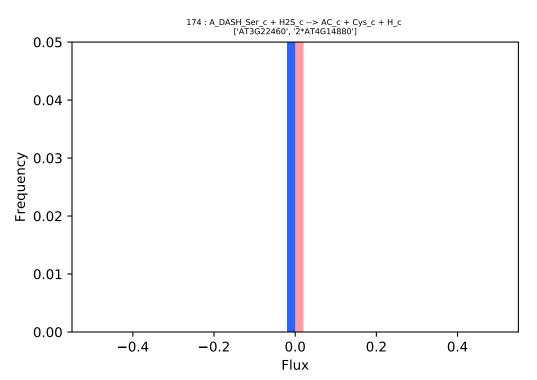


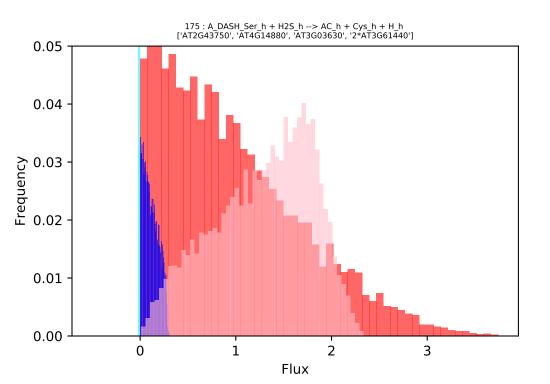


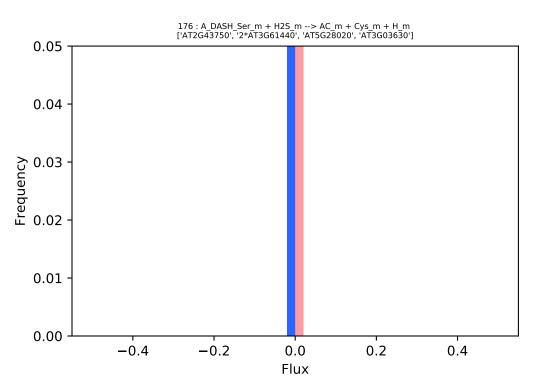


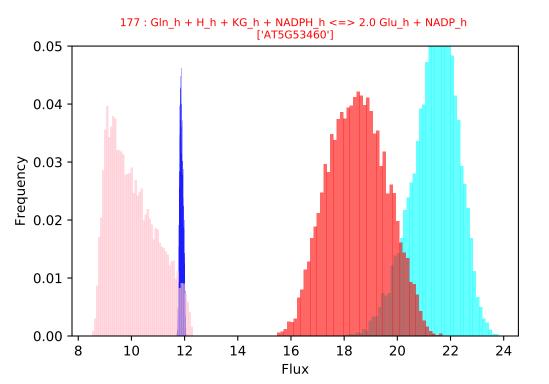


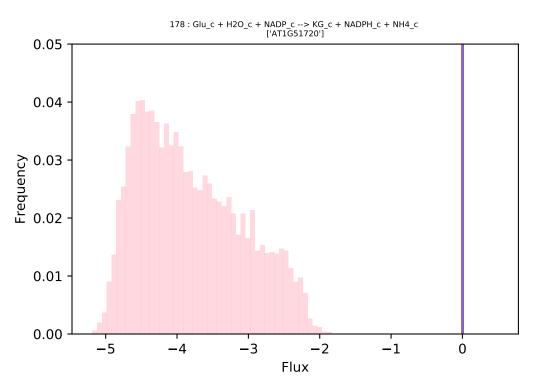


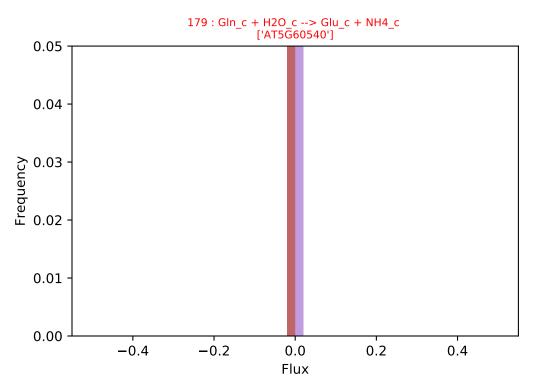


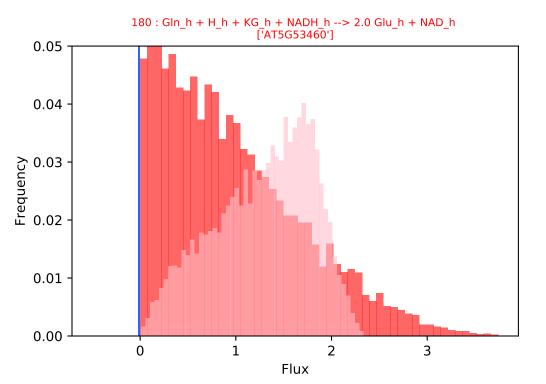


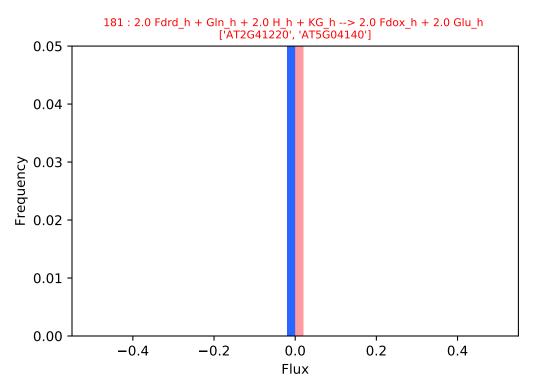


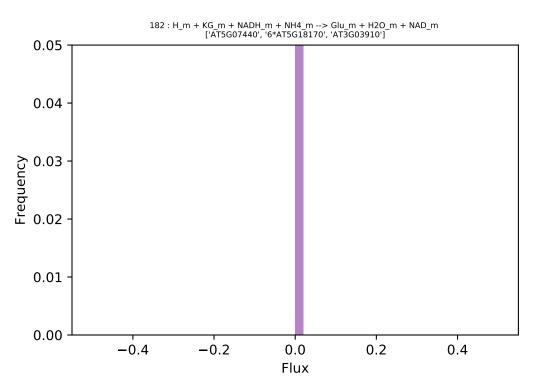


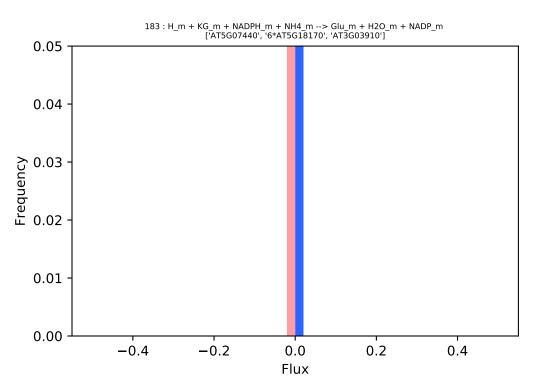


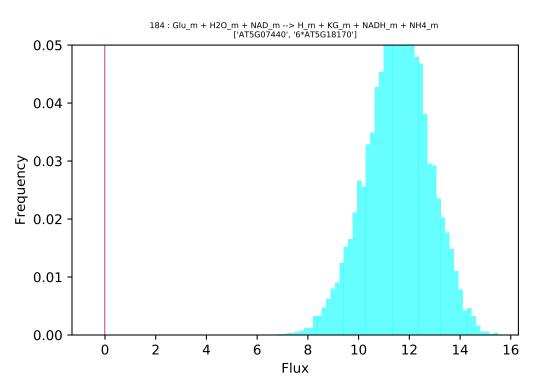


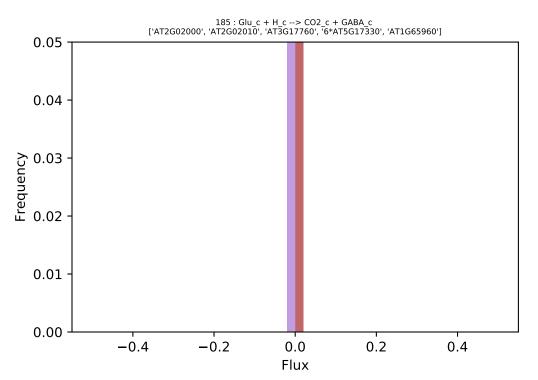


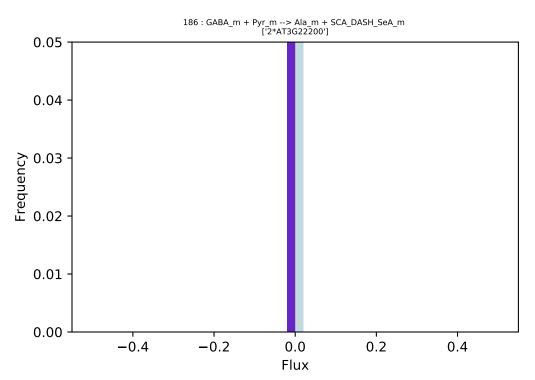


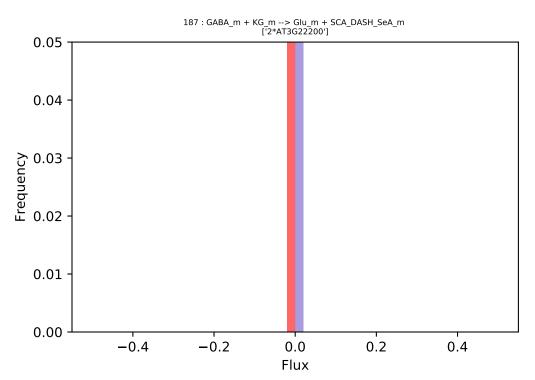


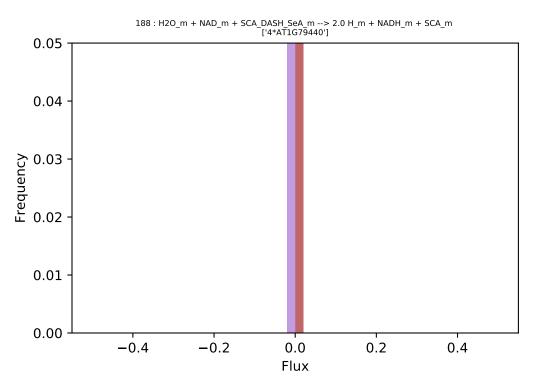


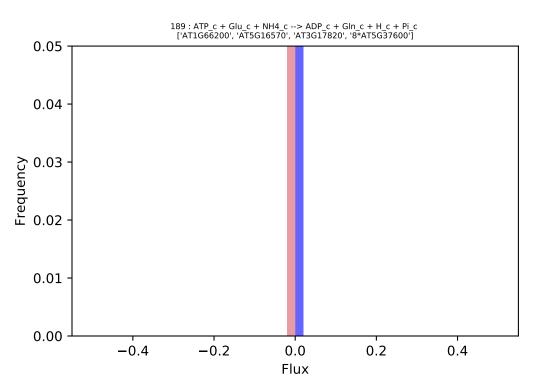


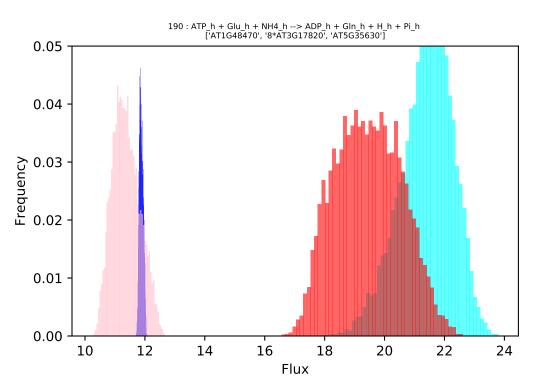


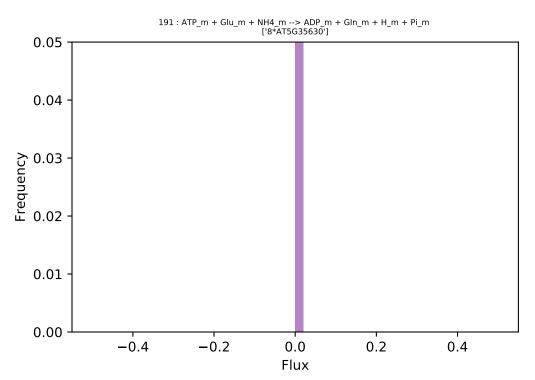


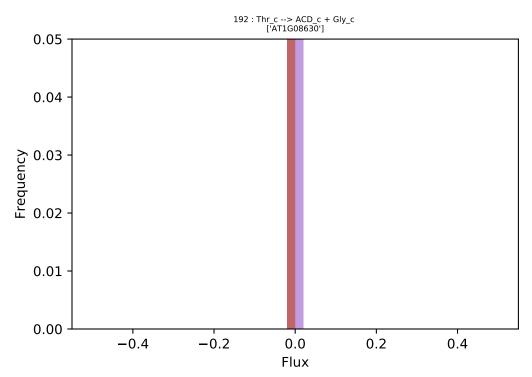


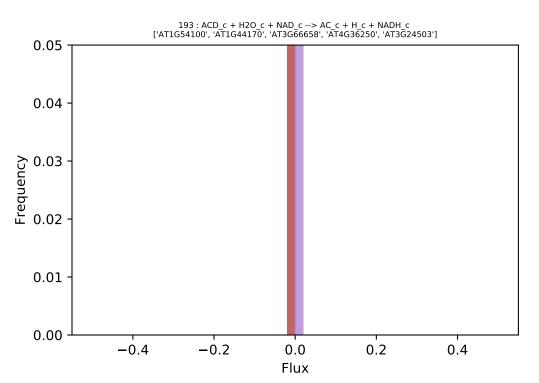


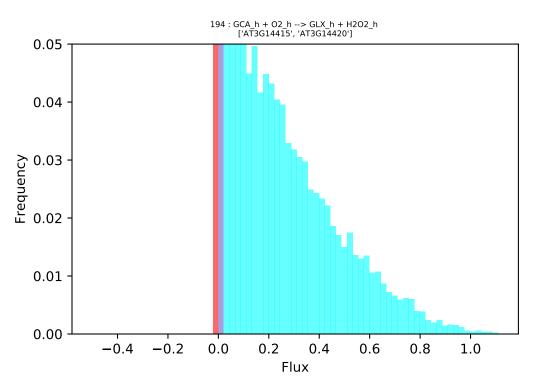


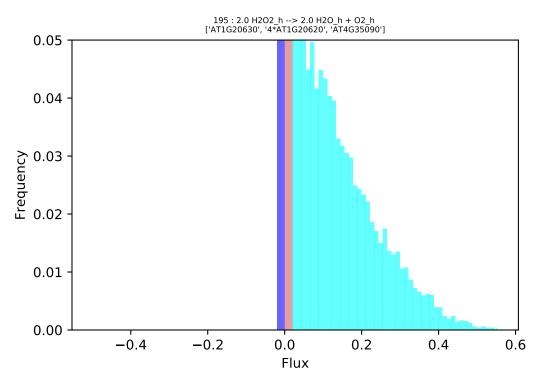


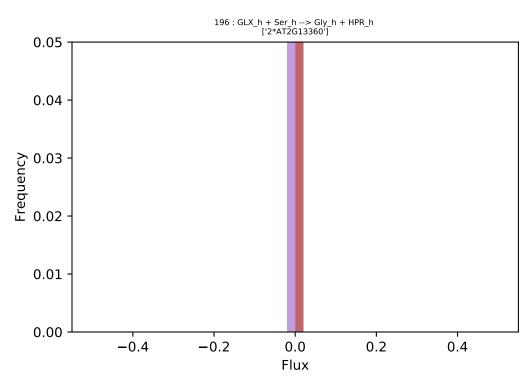


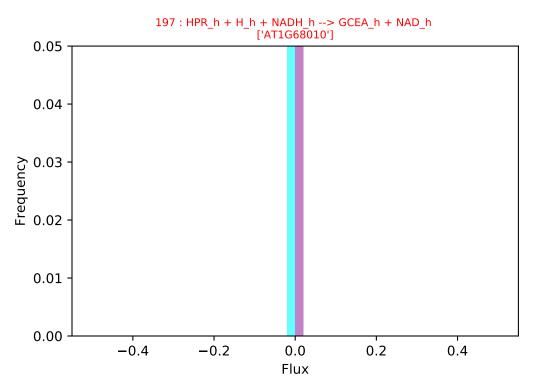


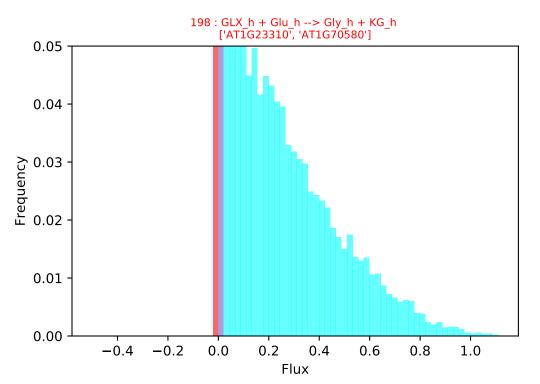


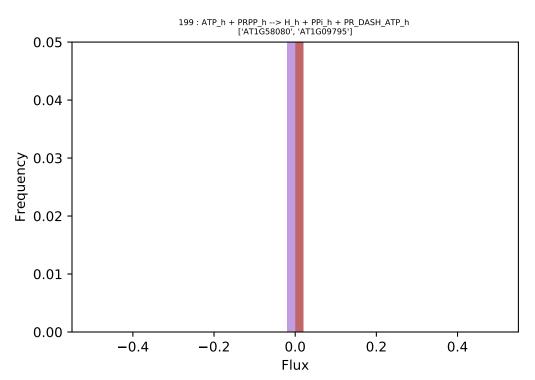


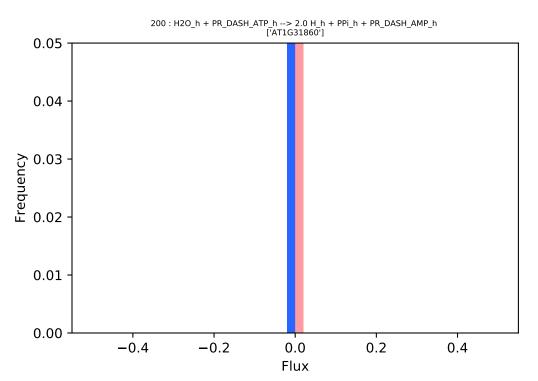


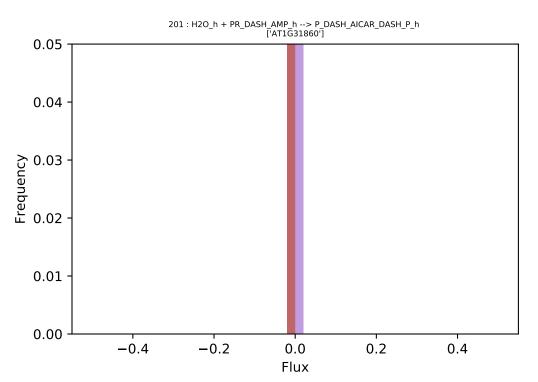


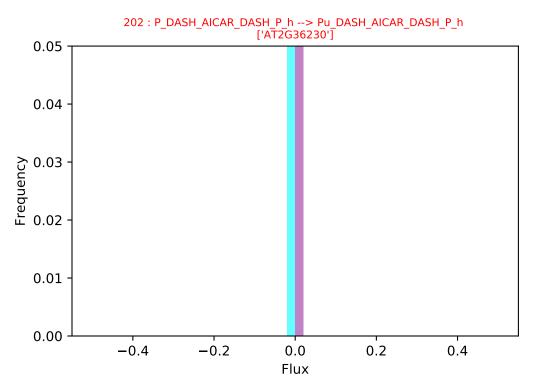


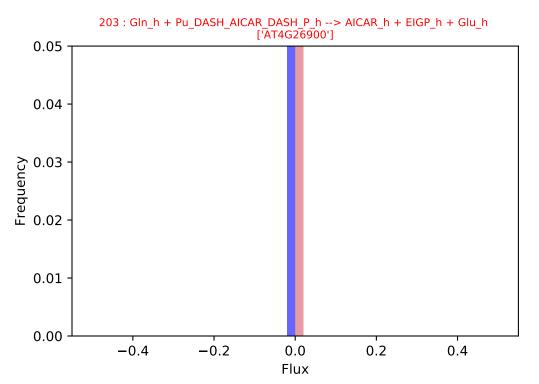


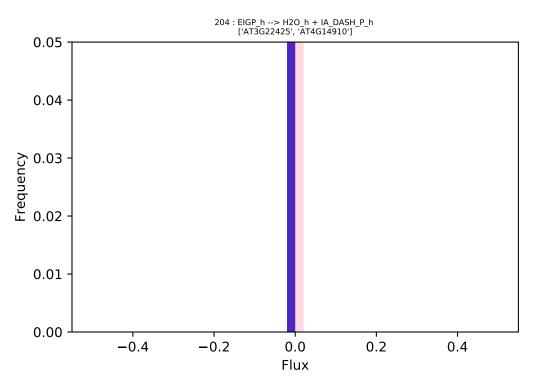


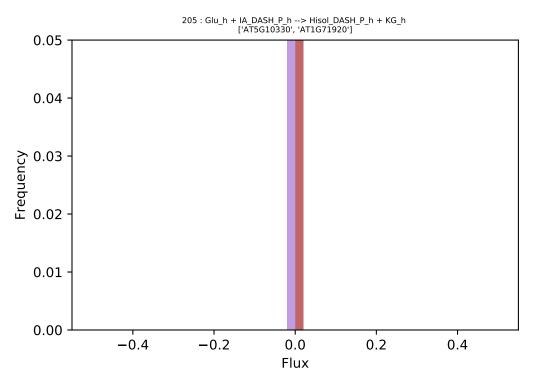


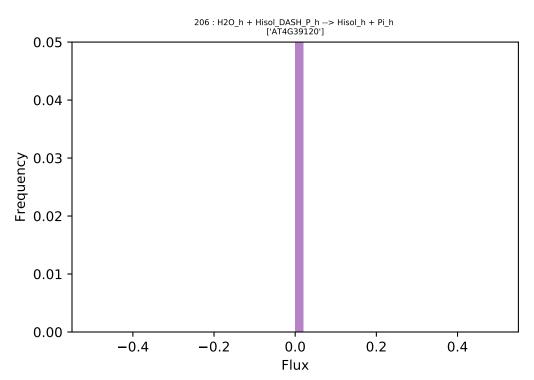


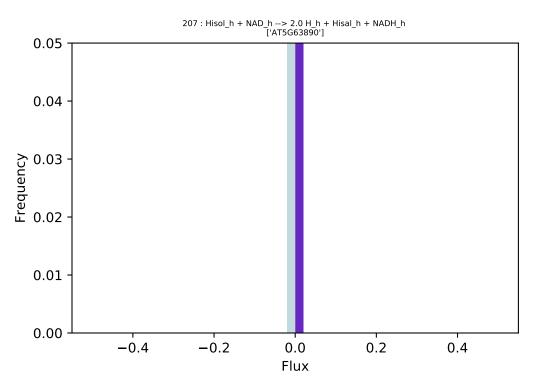


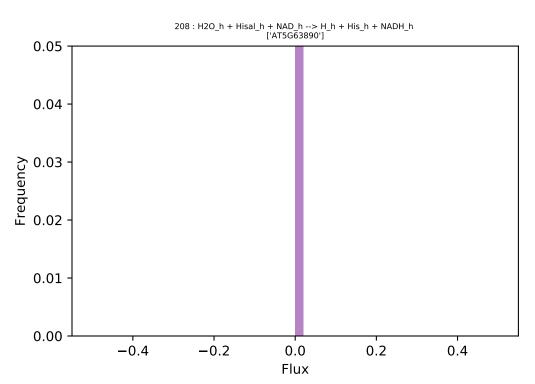


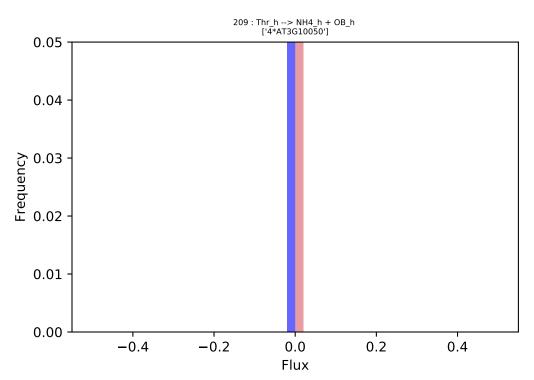


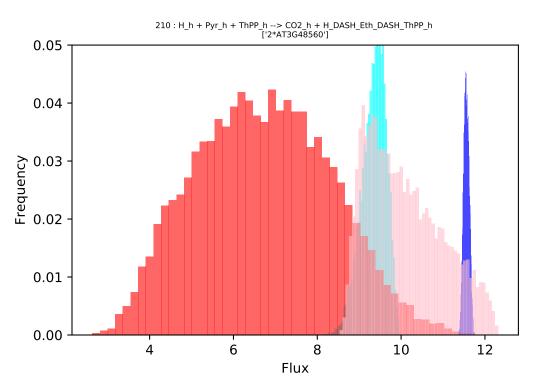


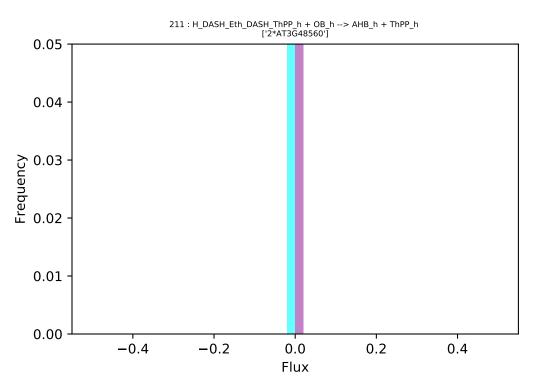


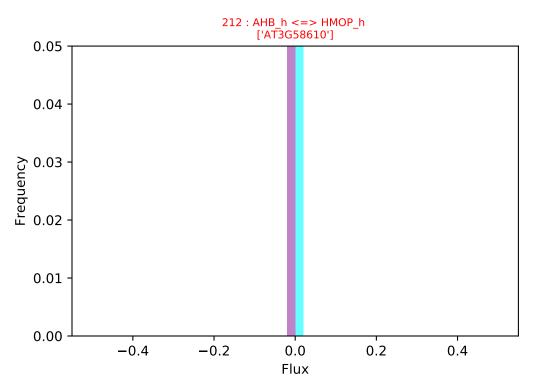


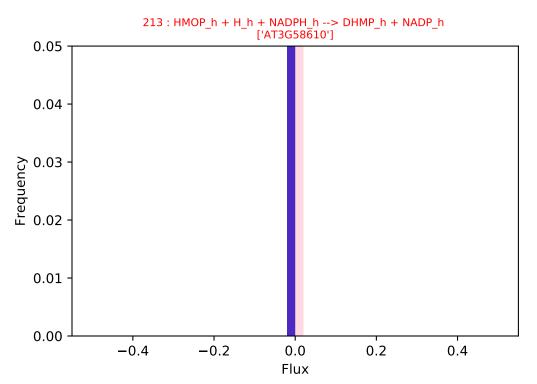


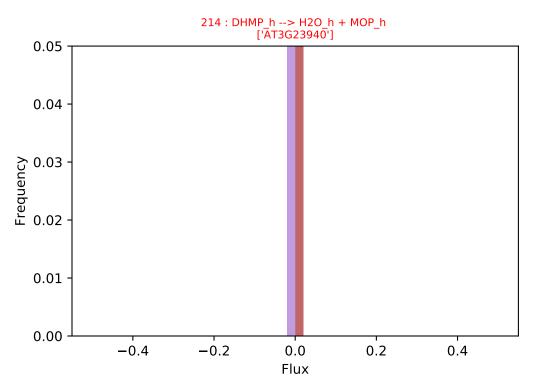


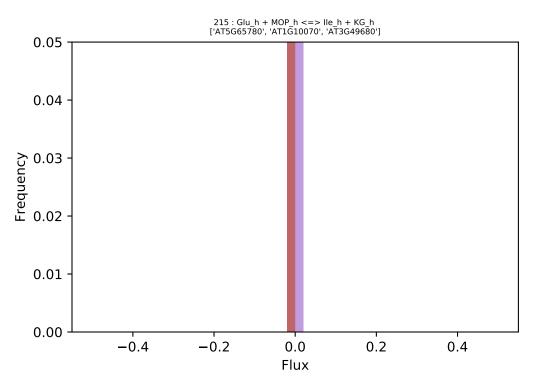


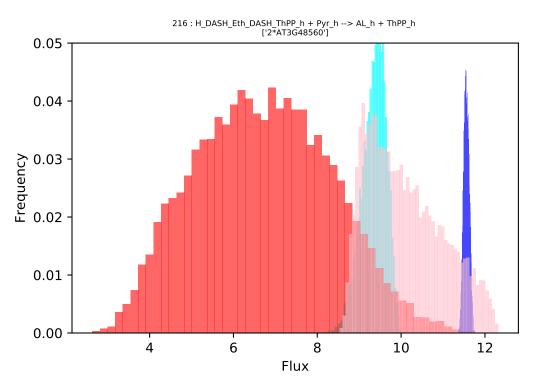


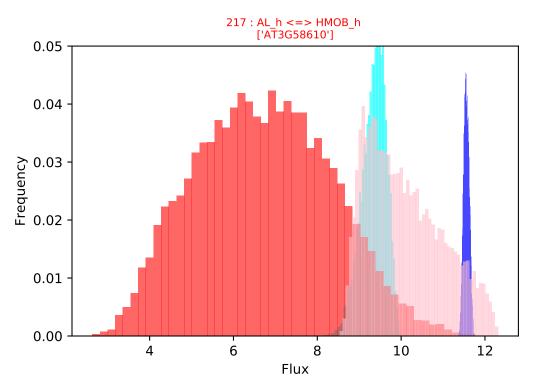


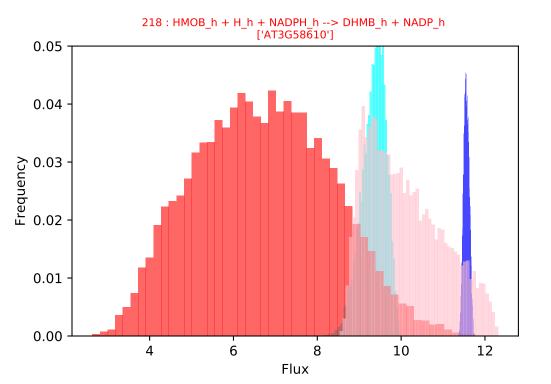


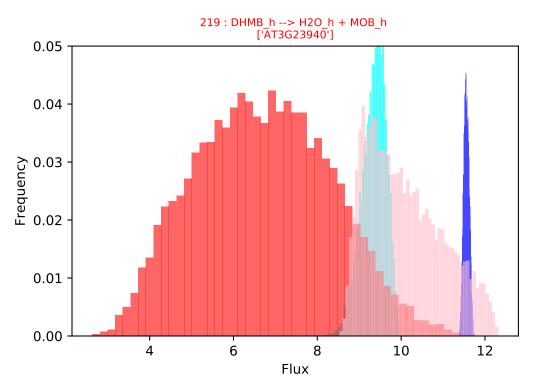


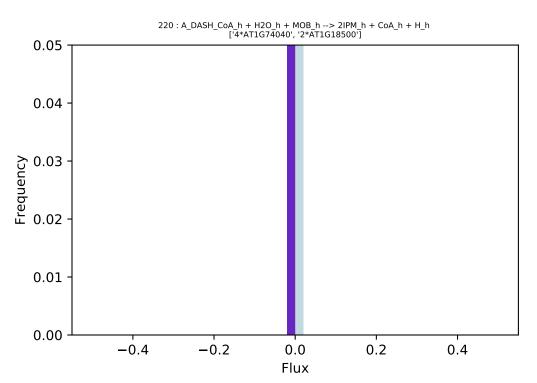


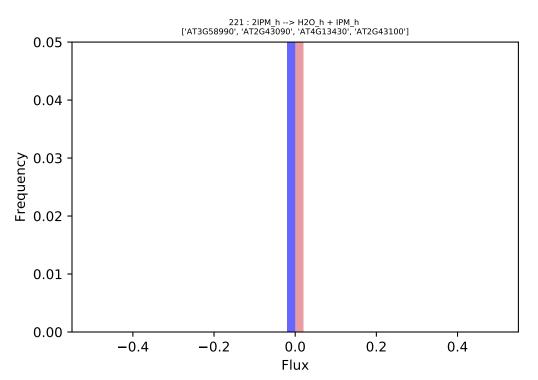


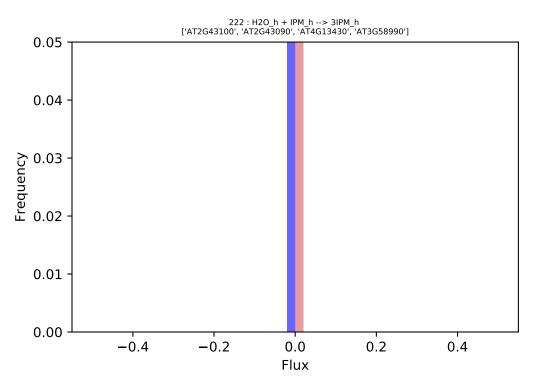


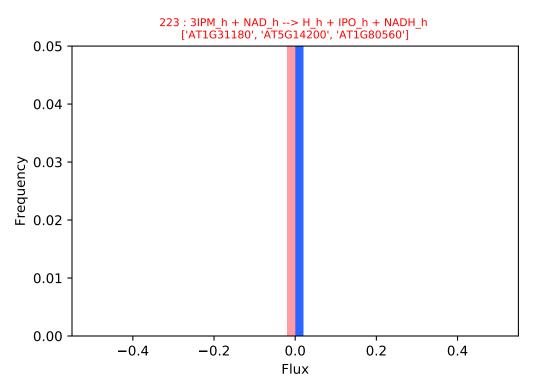


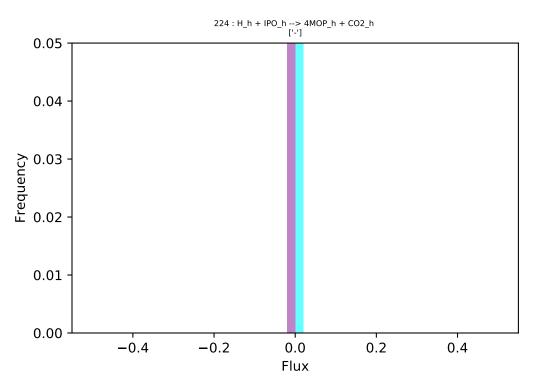


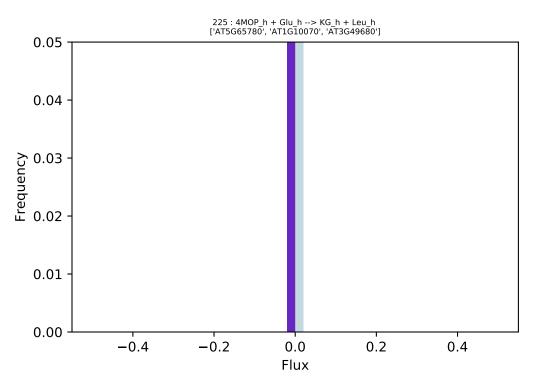


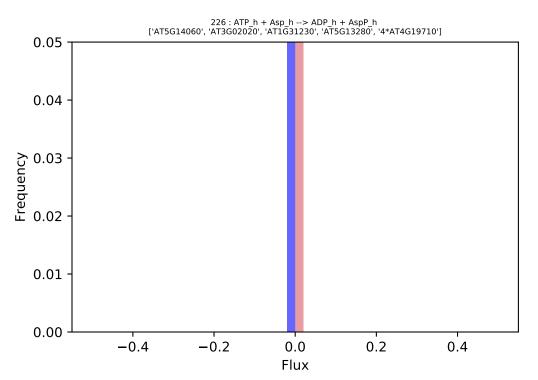


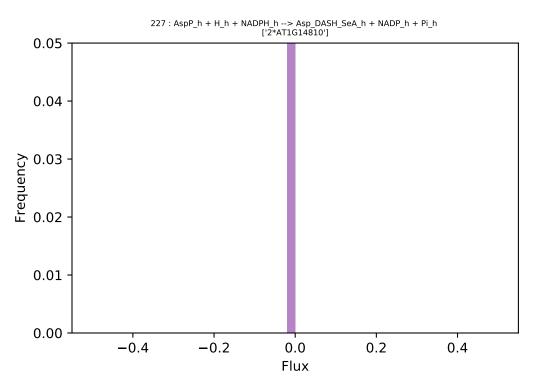


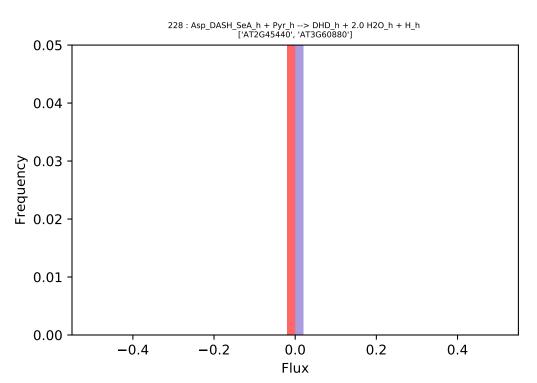


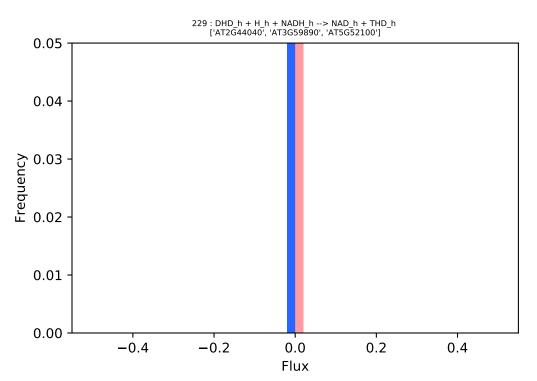


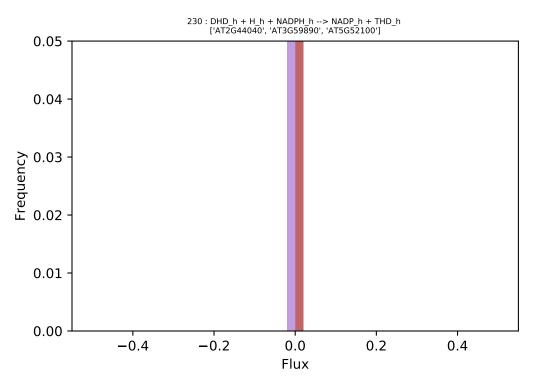


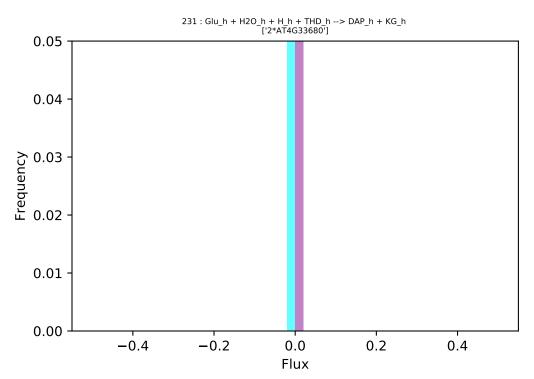


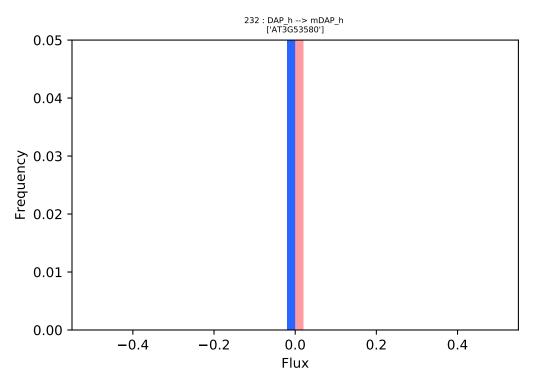


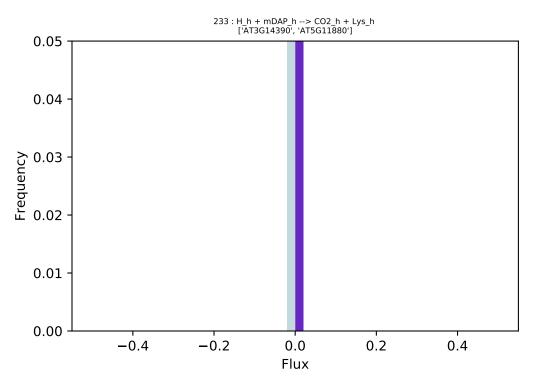


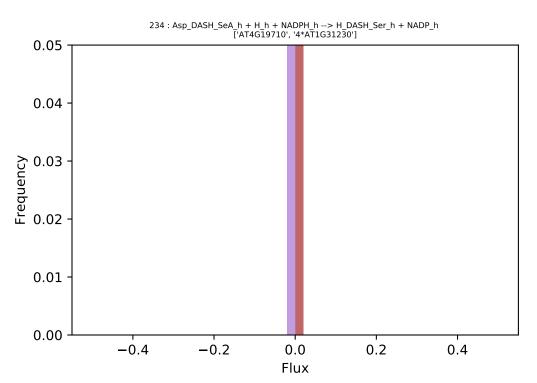


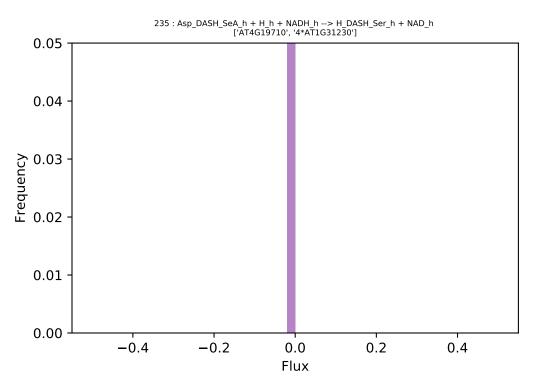


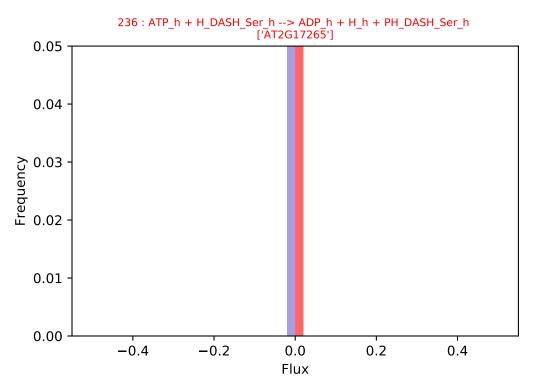


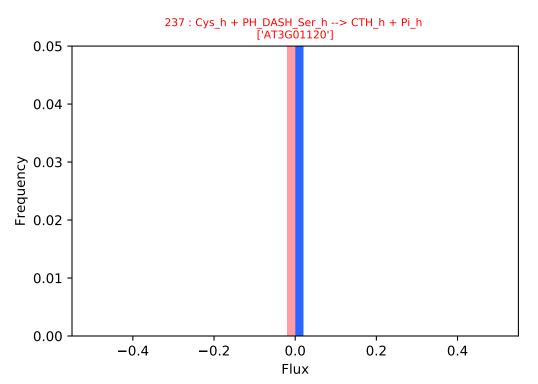


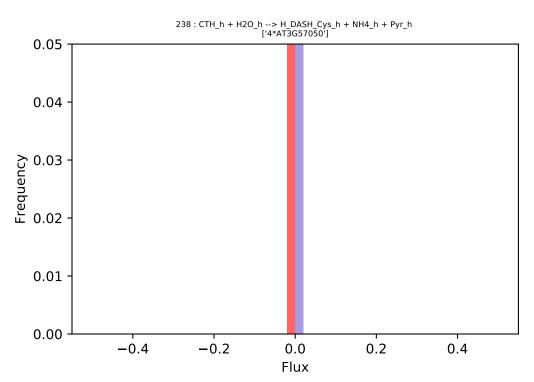


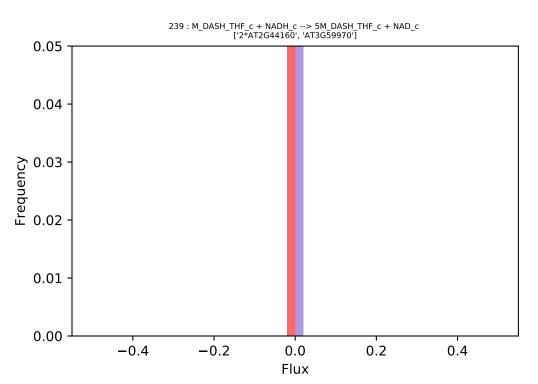


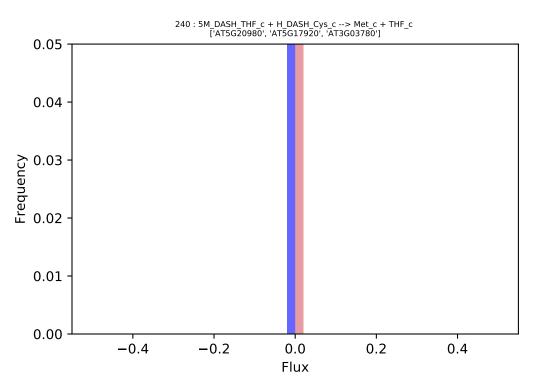


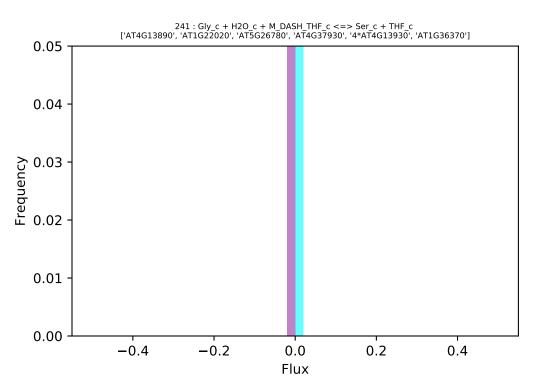


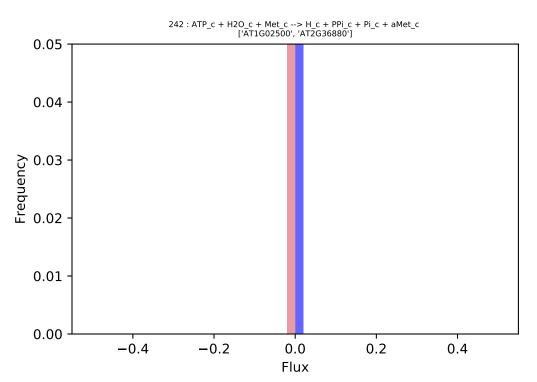


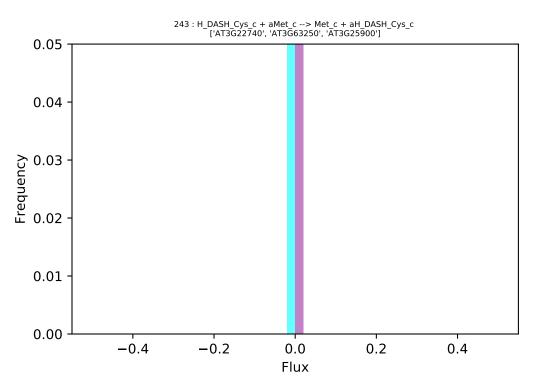


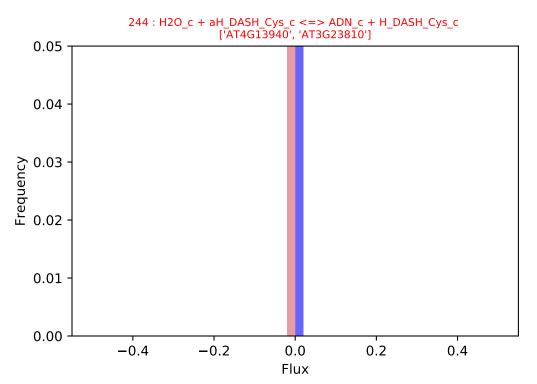


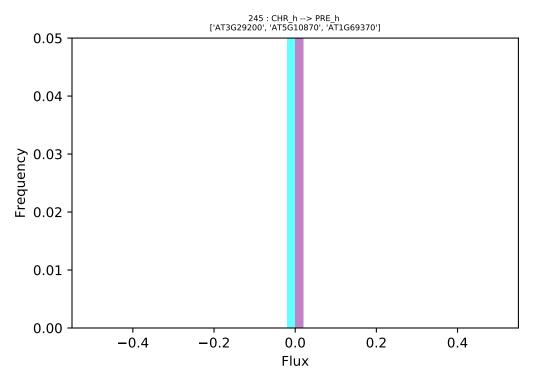


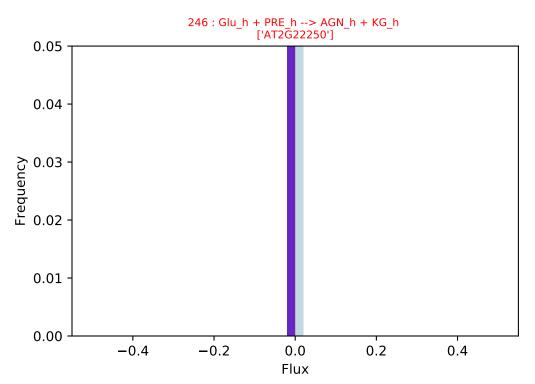


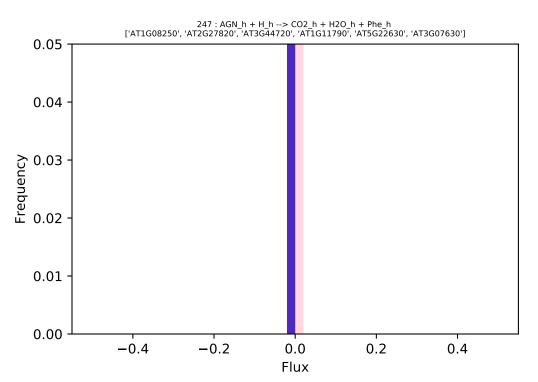


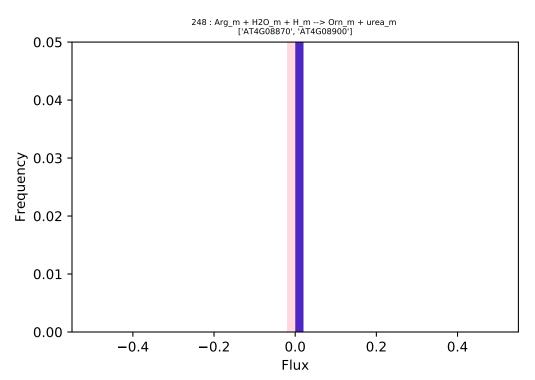


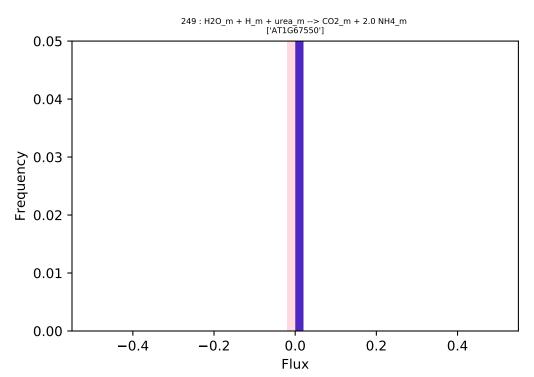


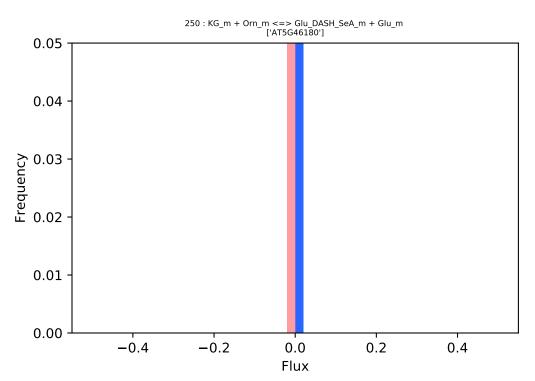


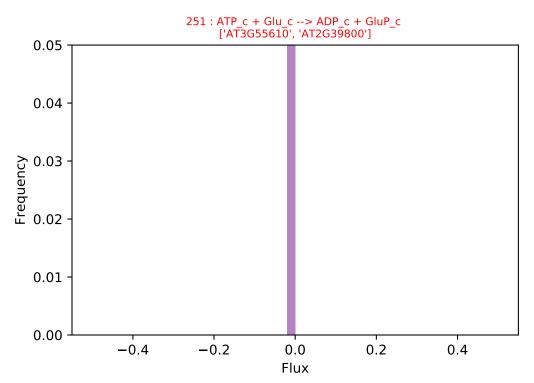


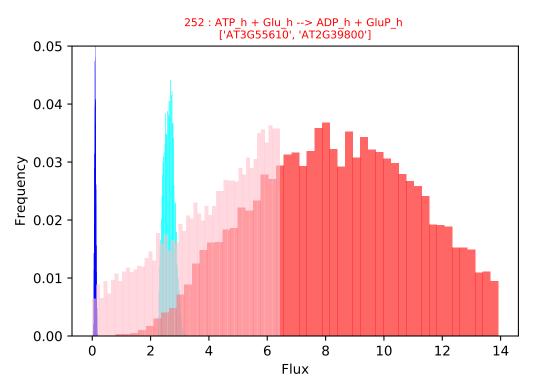


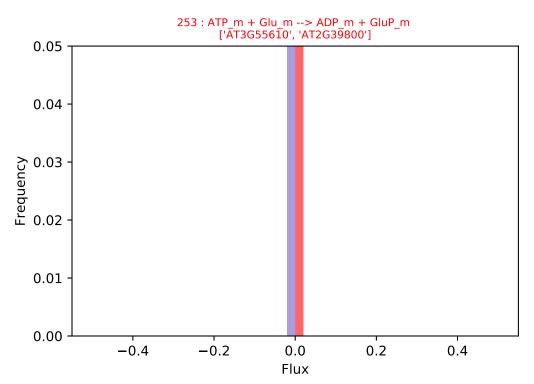


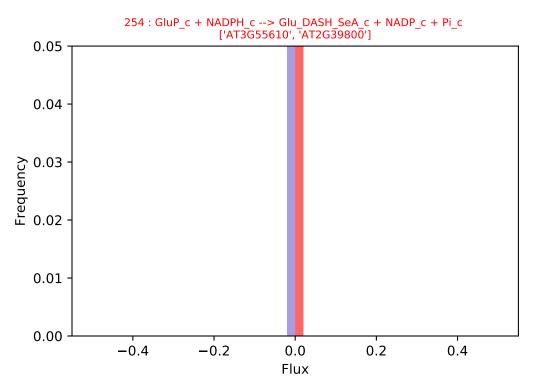




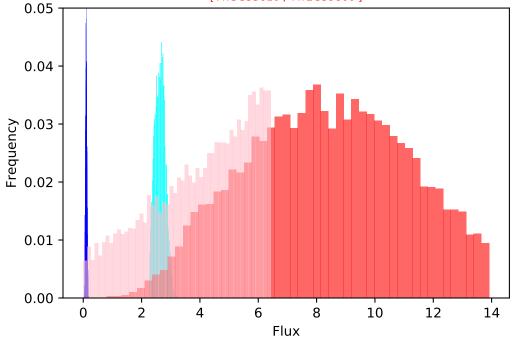


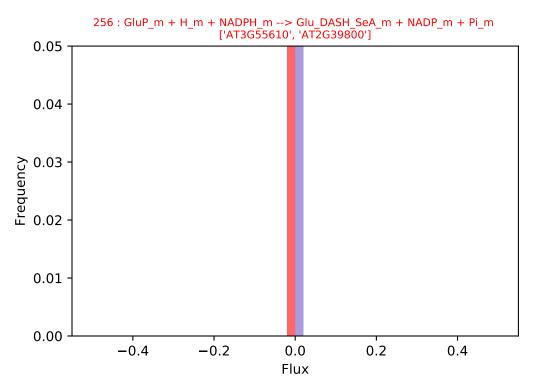


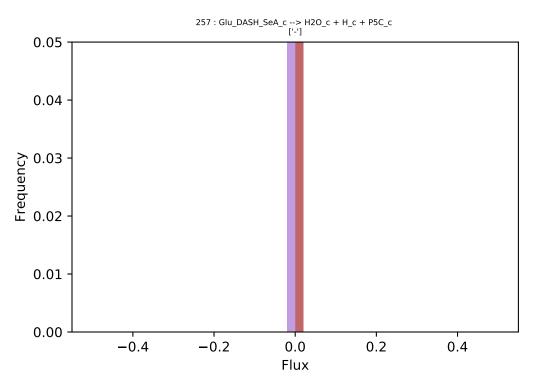


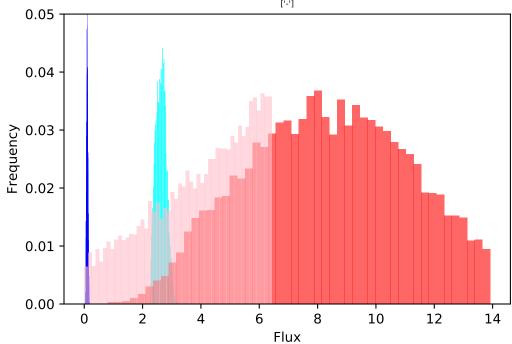


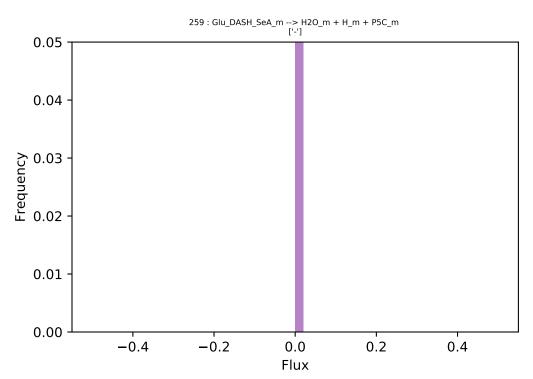
 $255: GluP_h + H_h + NADPH_h --> Glu_DASH_SeA_h + NADP_h + Pi_h \\ ['AT3G55610', 'AT2G39800']$

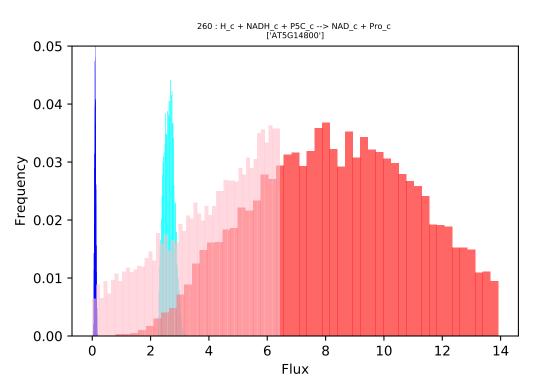












261 : NAD_m + Pro_m --> 2.0 H_m + NADH_m + P5C_m ['AT5G38710', 'AT3G30775'] 0.05 0.04 -Frequency 20.0 0.01 0.00

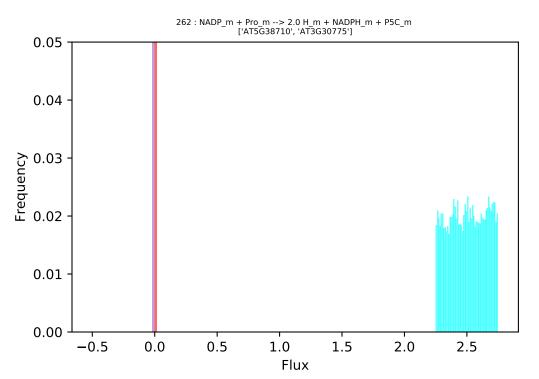
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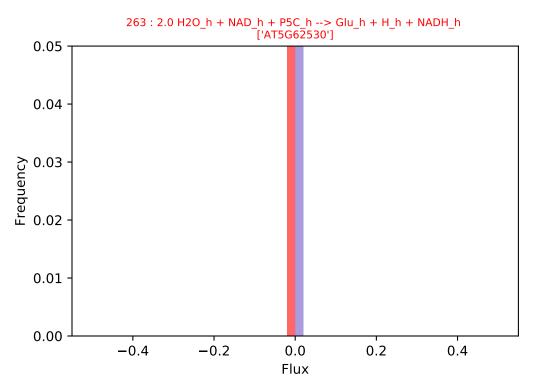
Flux

10

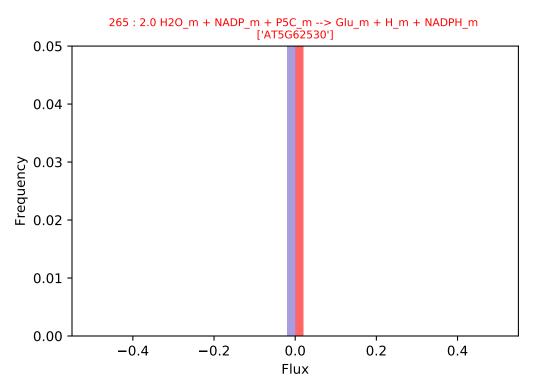
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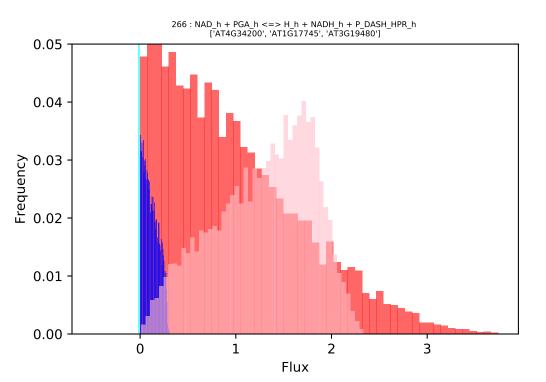
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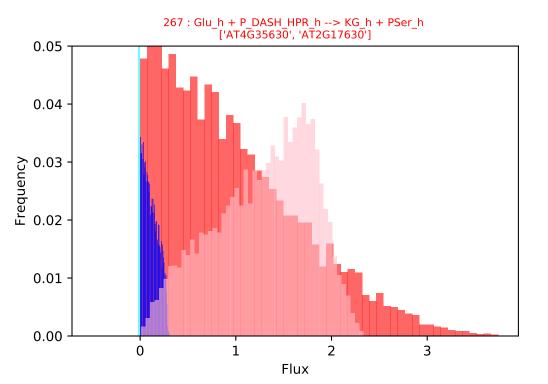


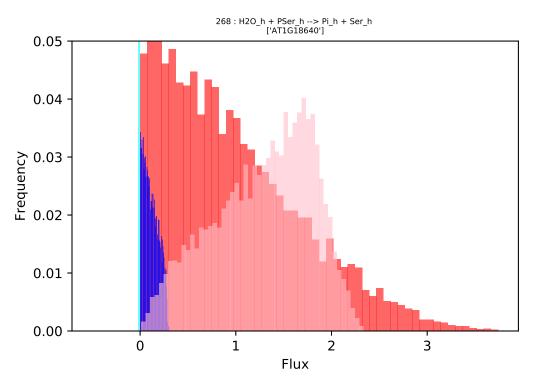


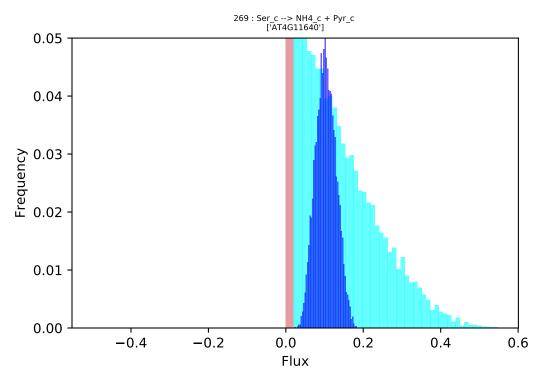
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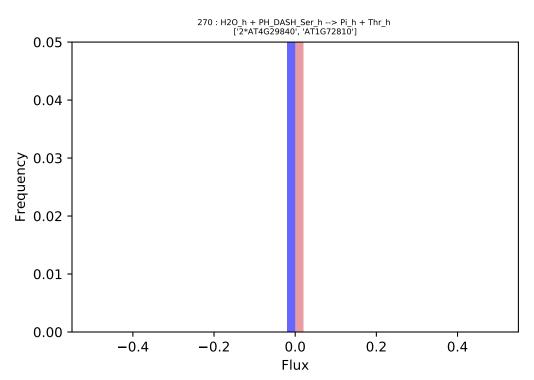


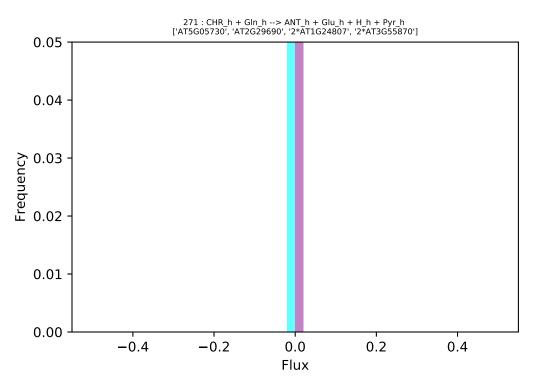


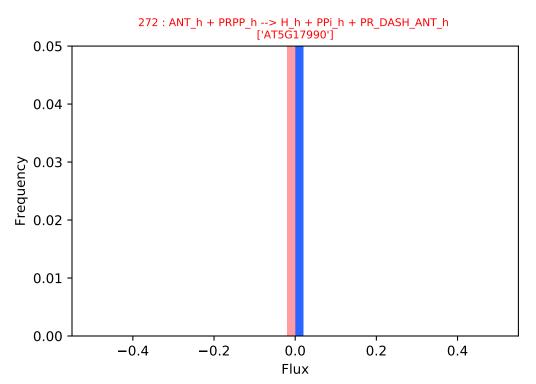


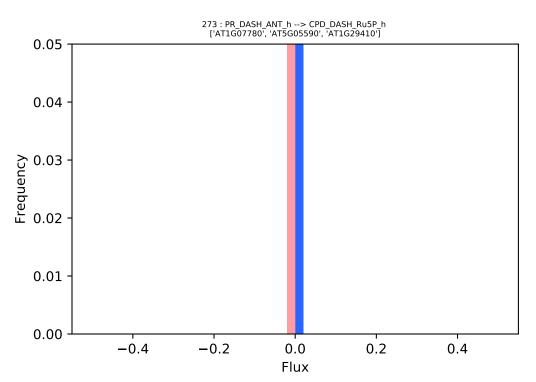


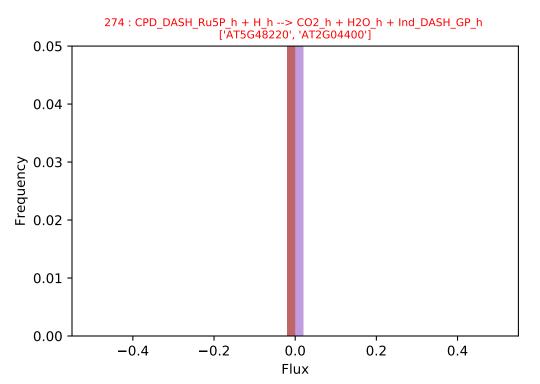


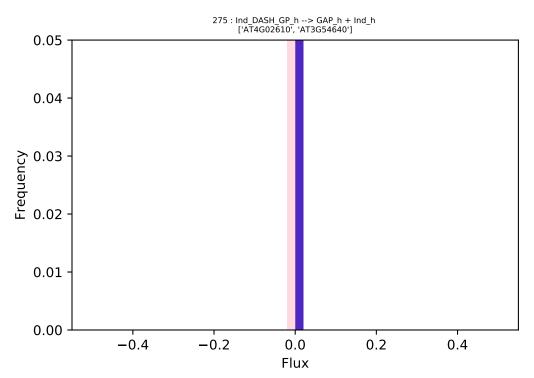


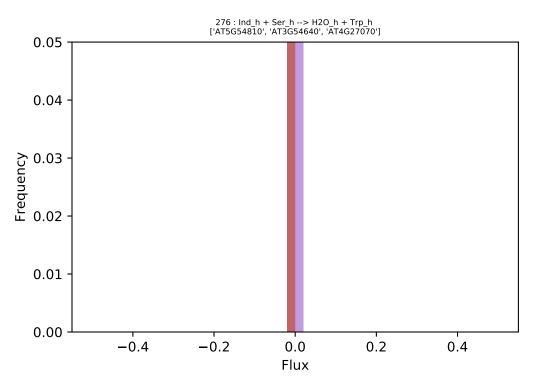


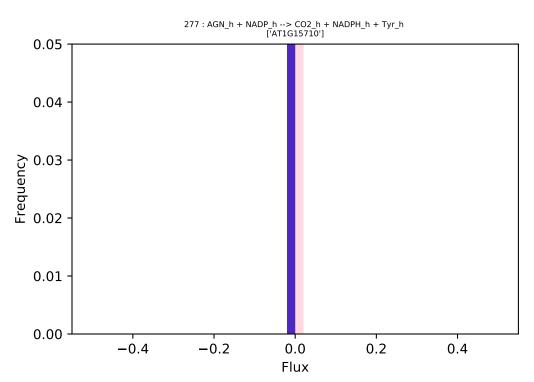


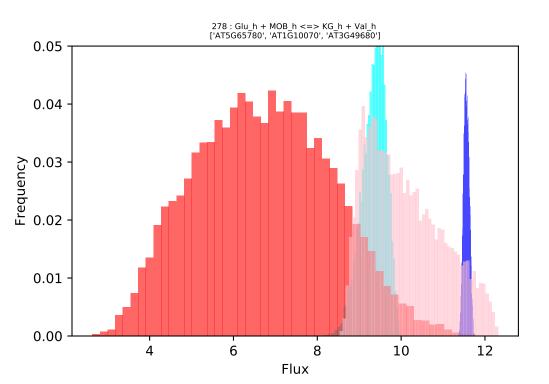


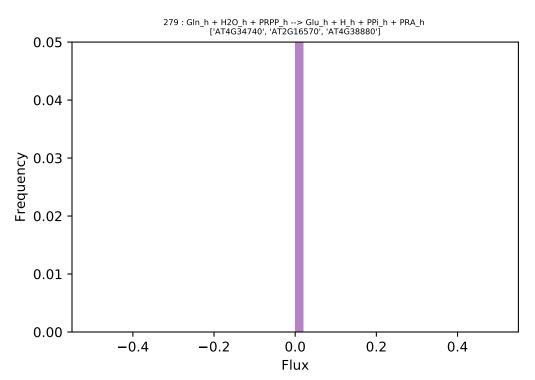


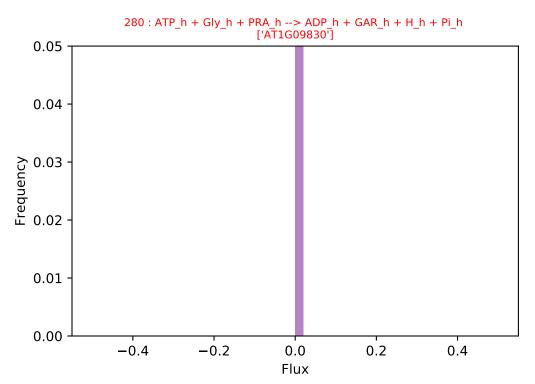


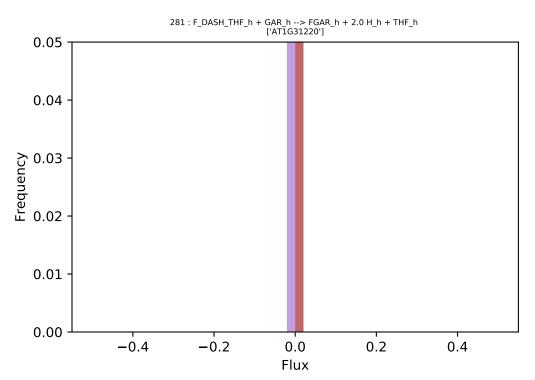


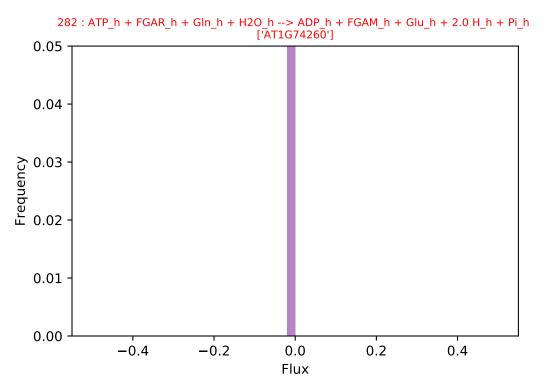


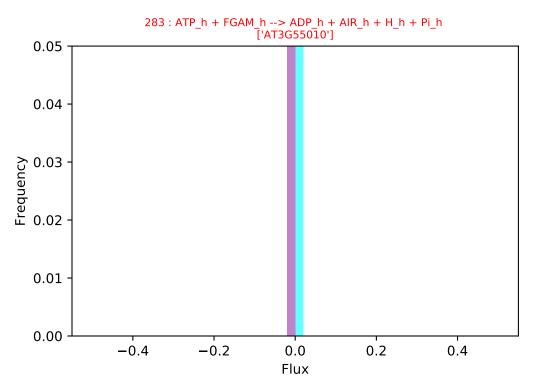


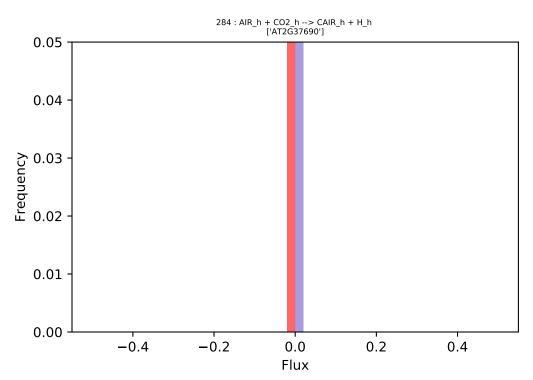


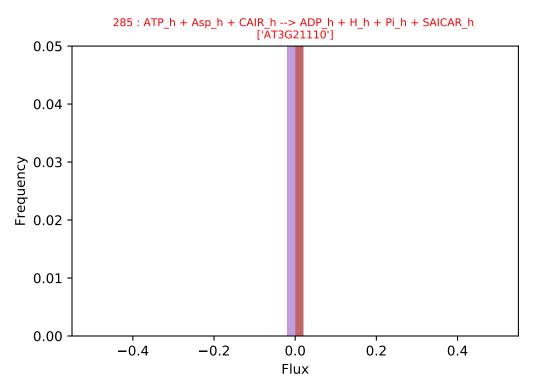


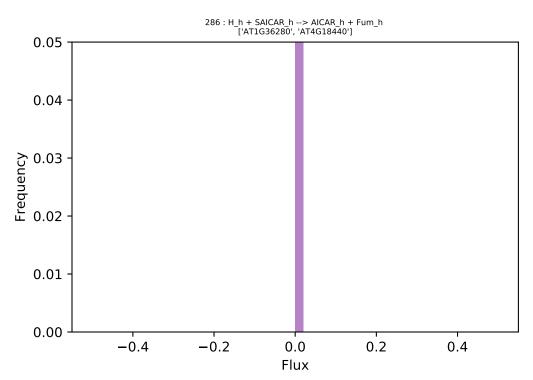


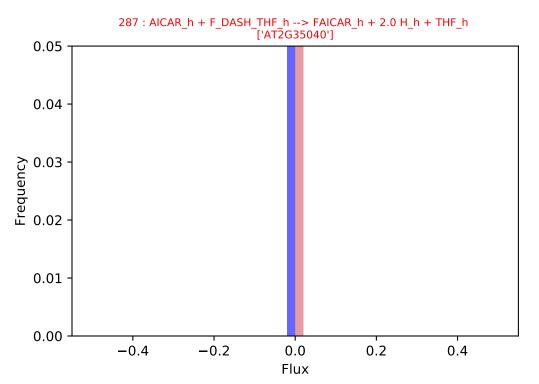


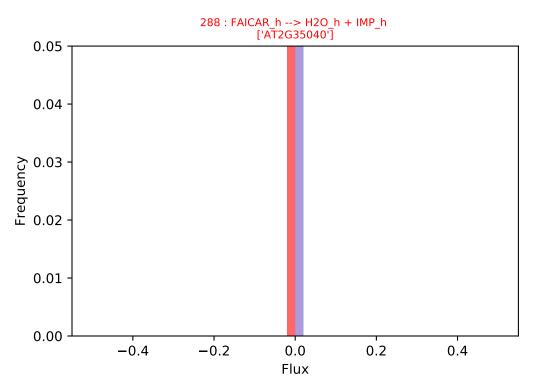


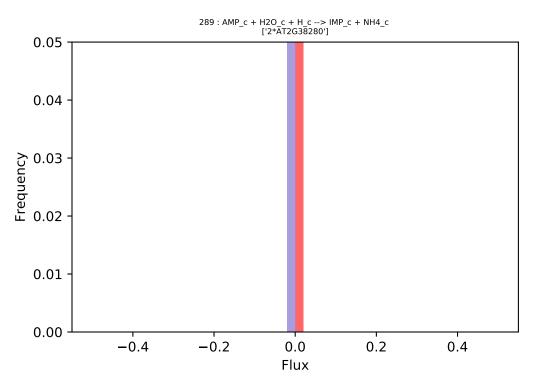


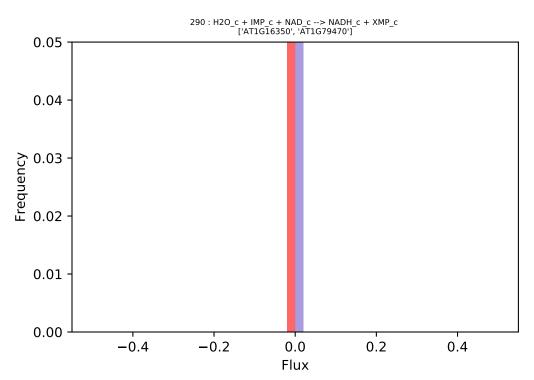


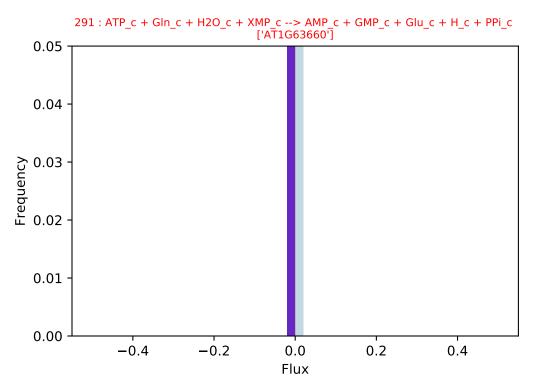


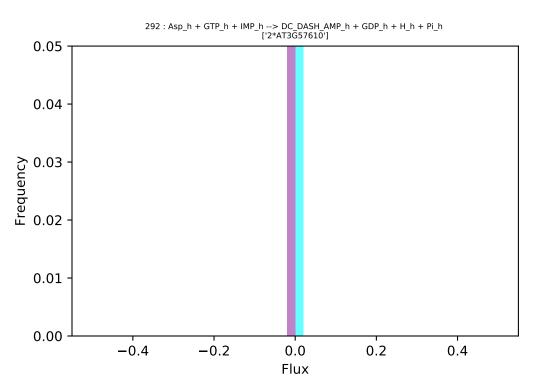


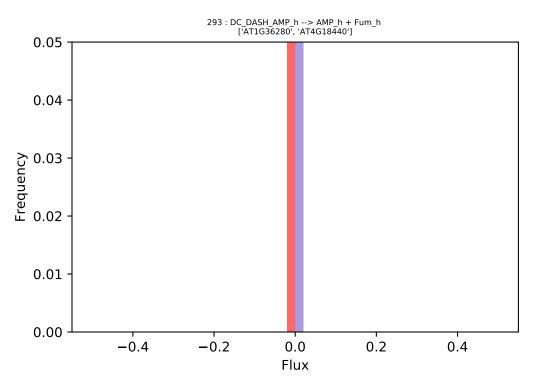


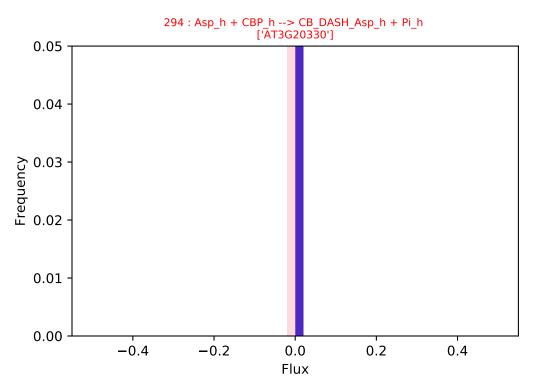


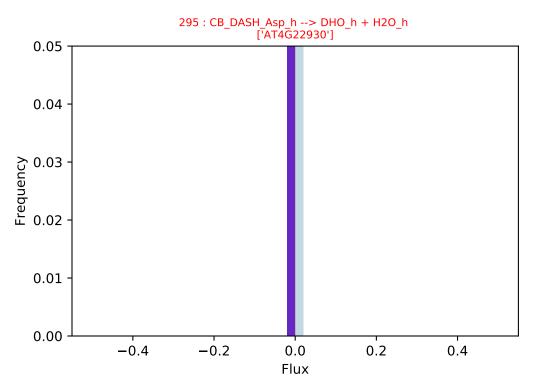


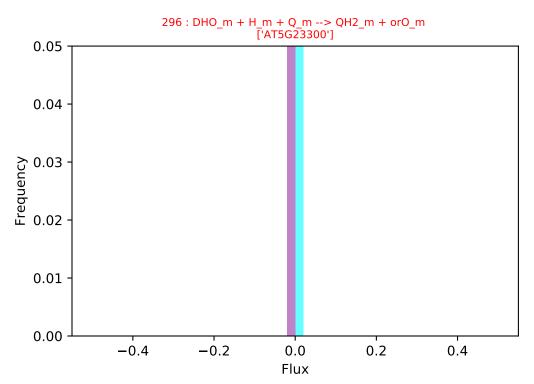


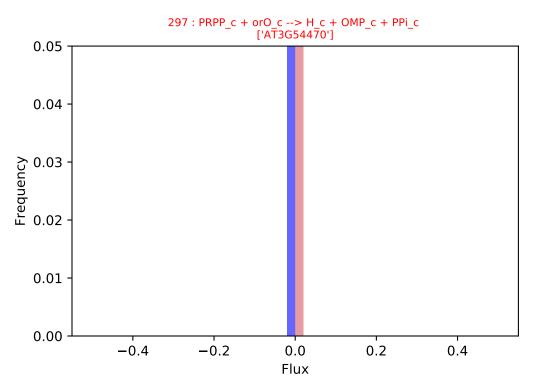


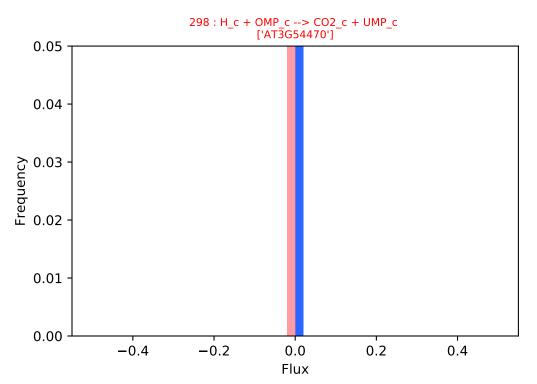


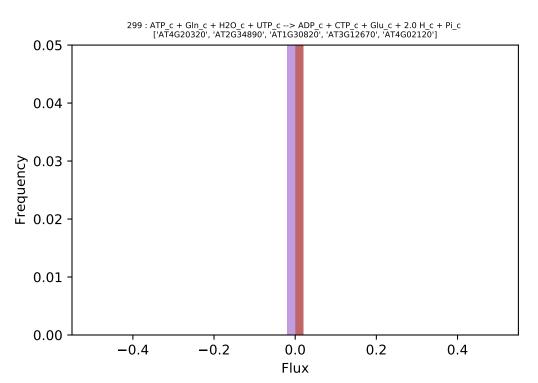


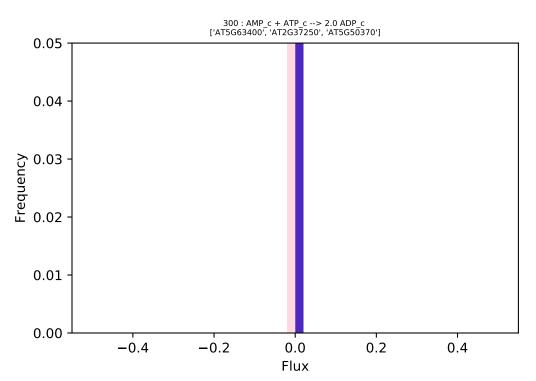


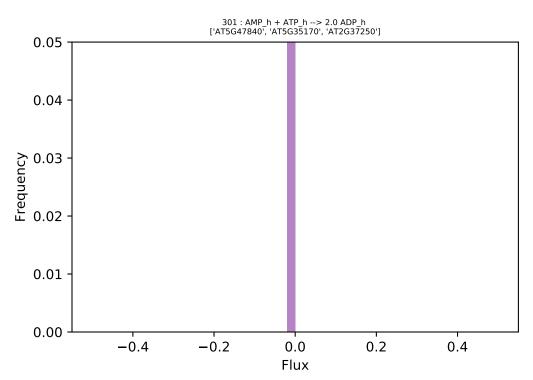


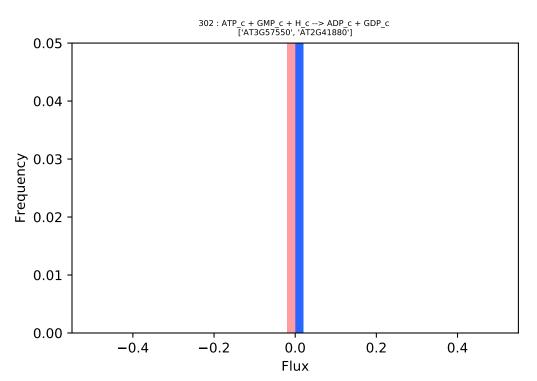


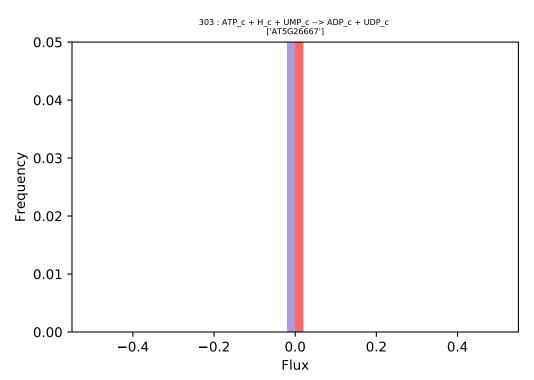


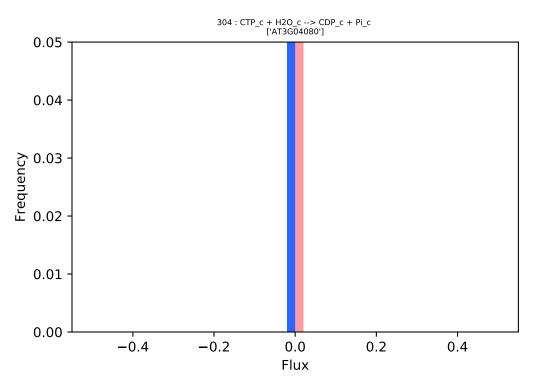


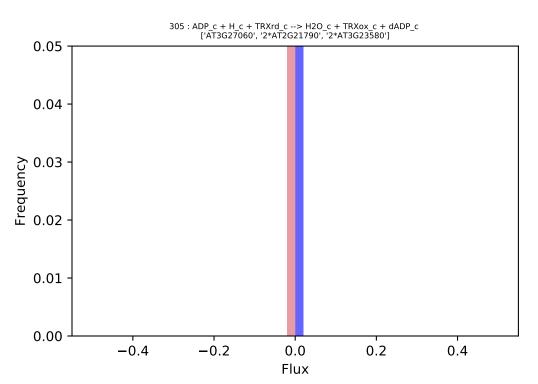


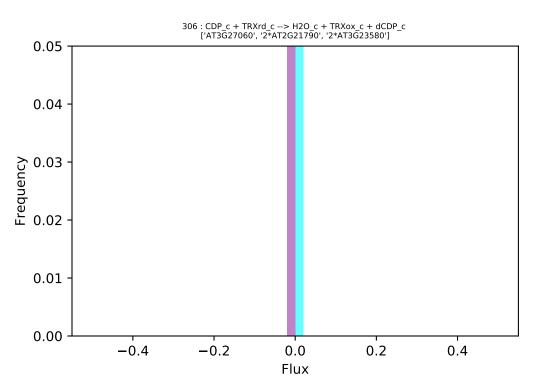


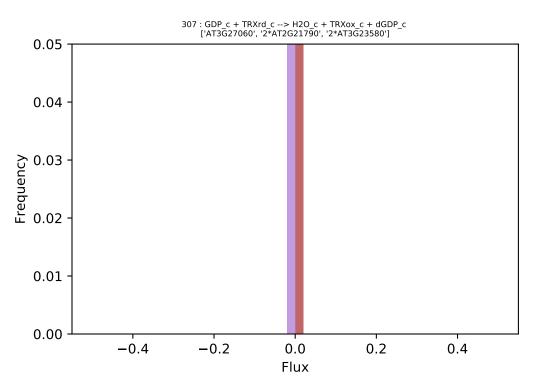


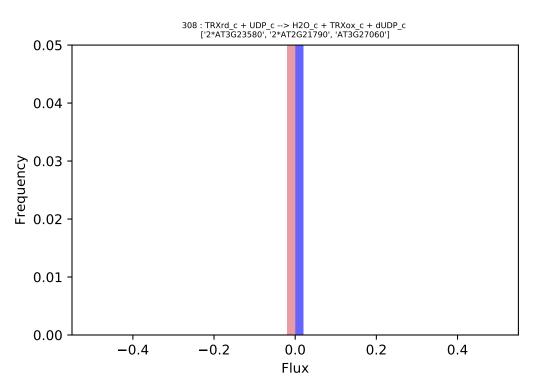


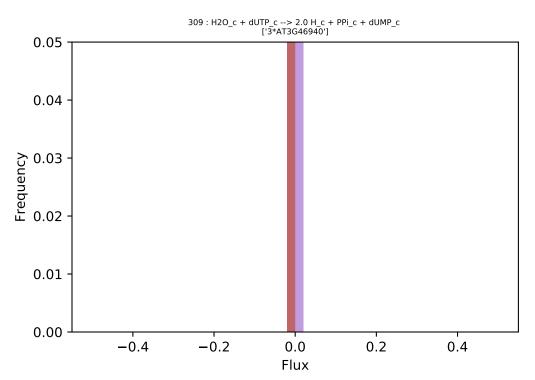


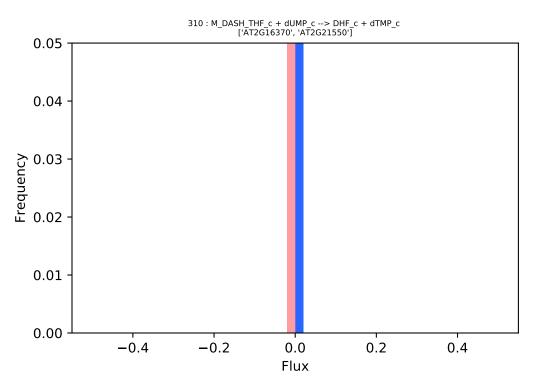


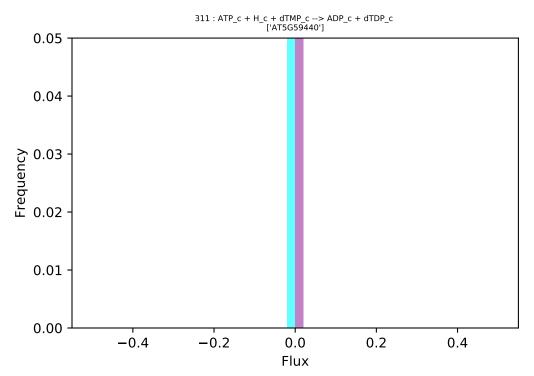


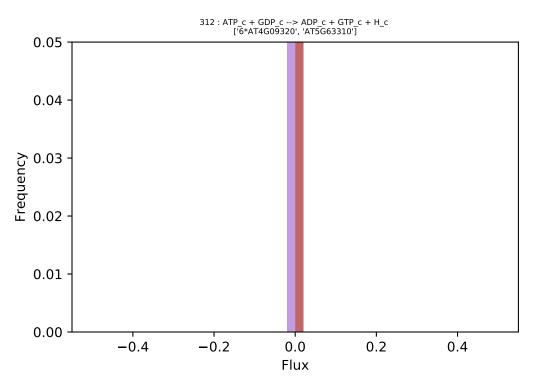


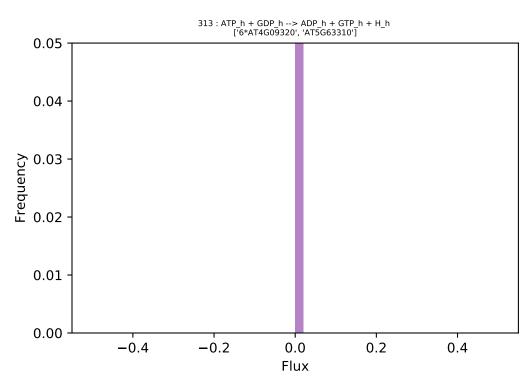


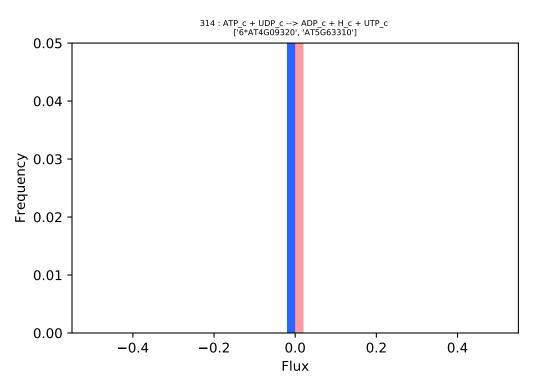


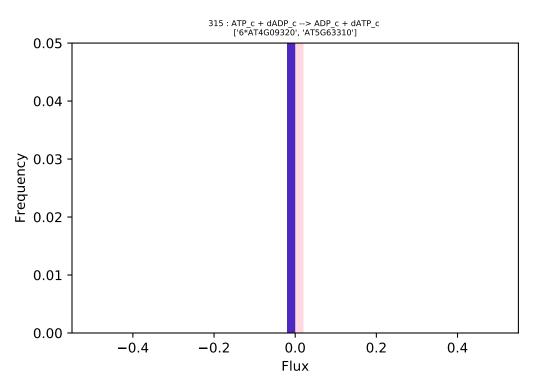


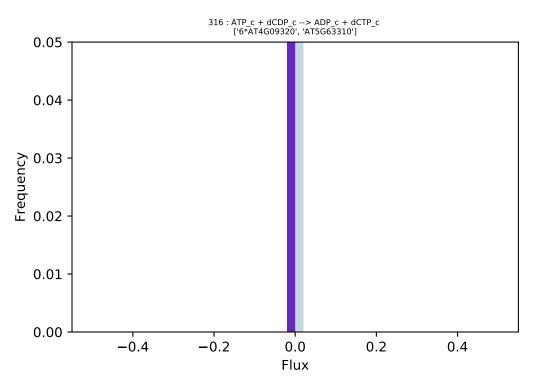


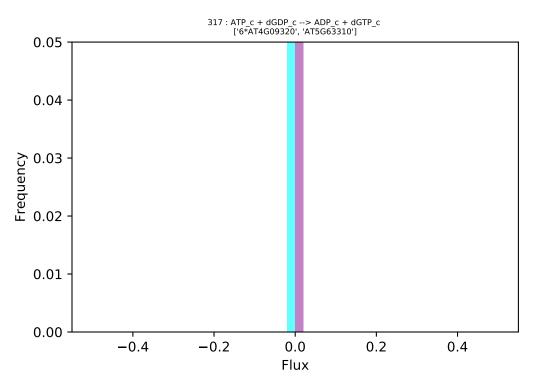


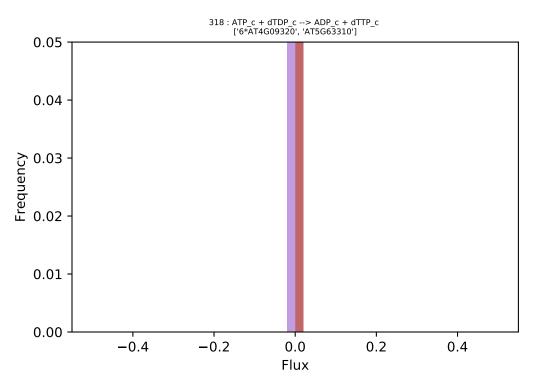


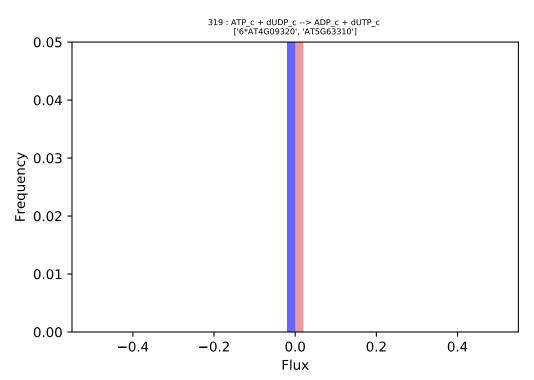


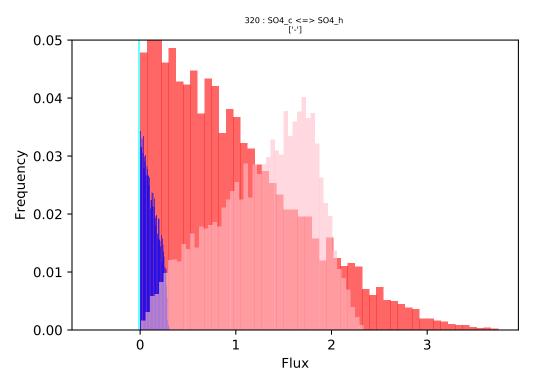




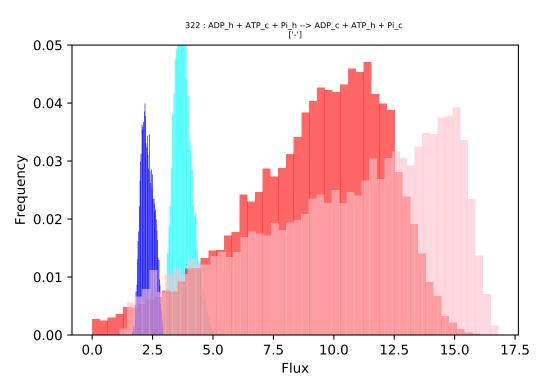




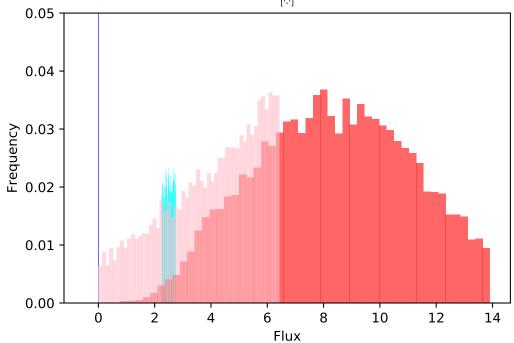


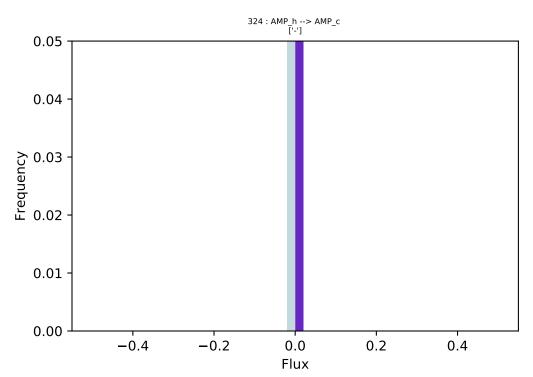


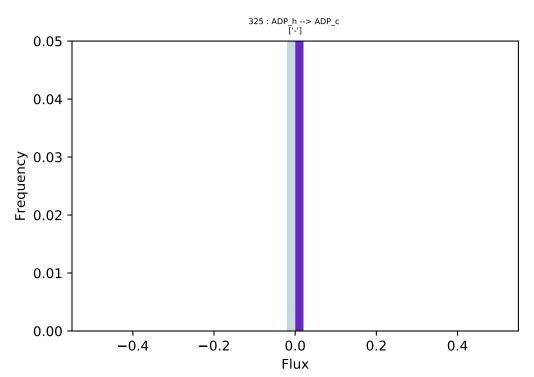
Flux

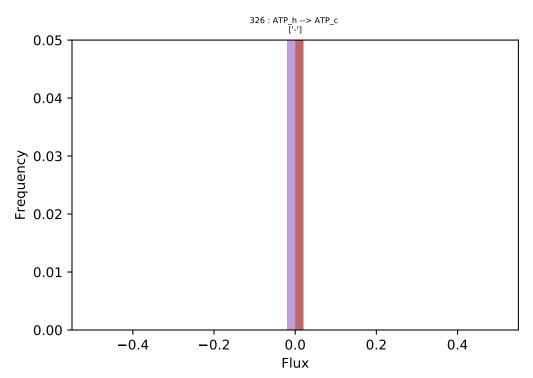


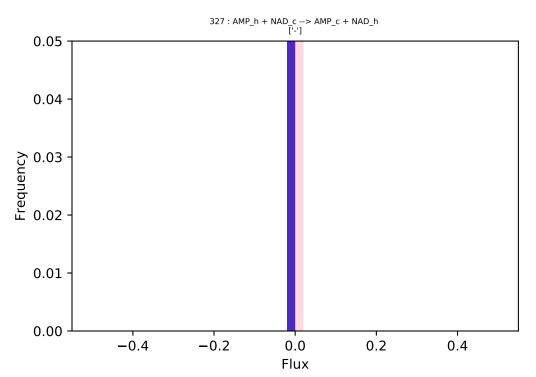
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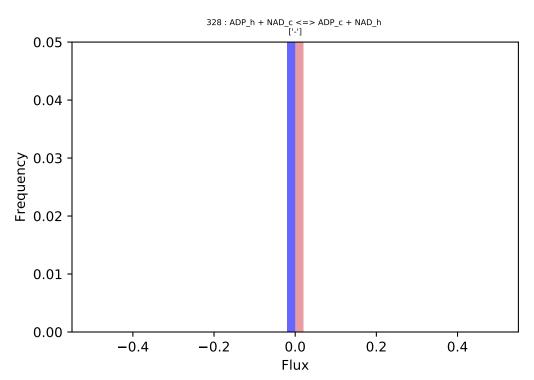


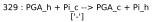


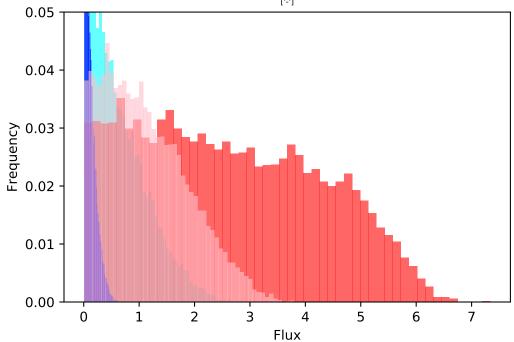


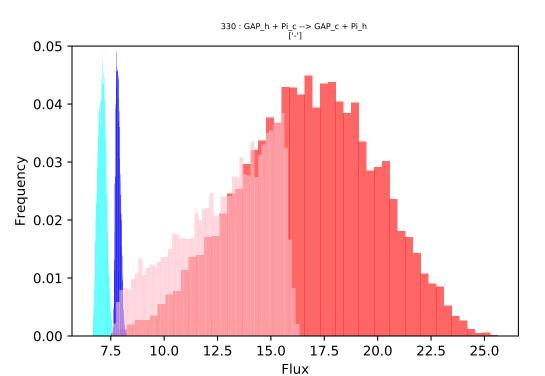


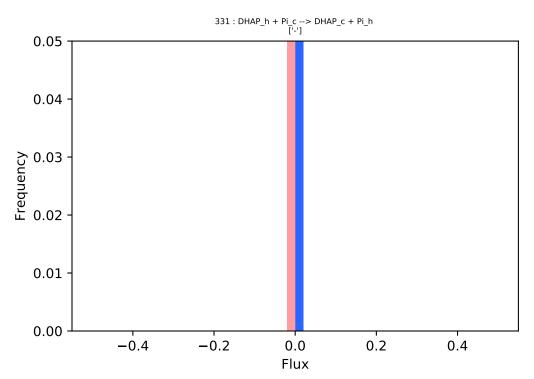


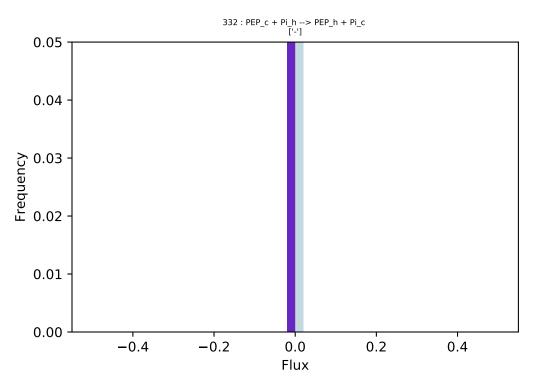


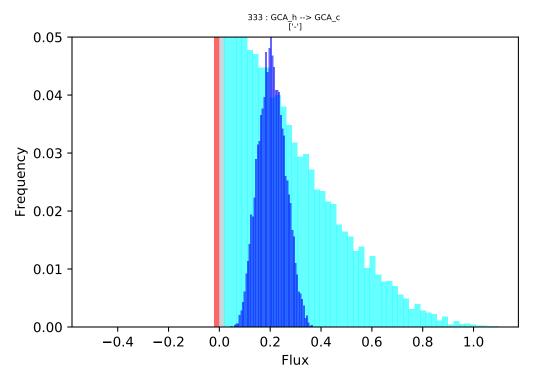


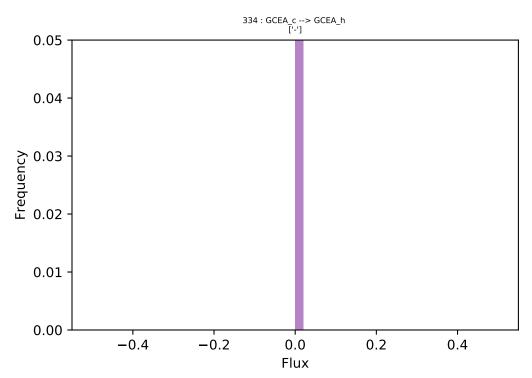


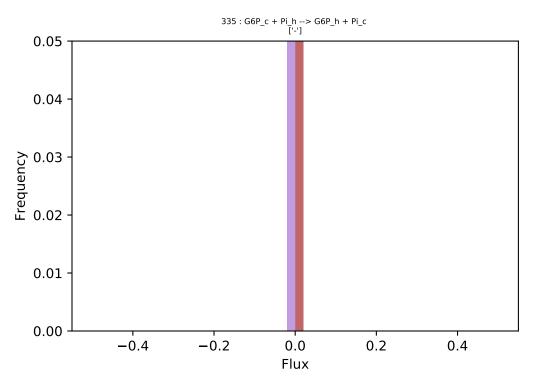


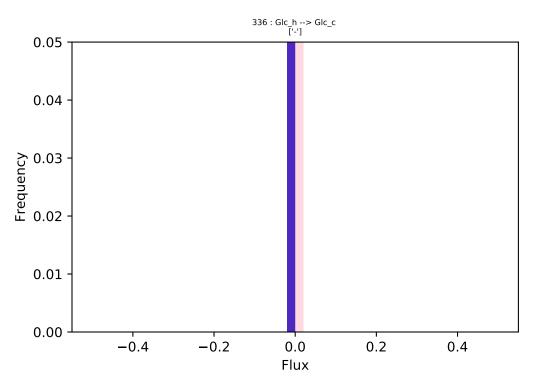


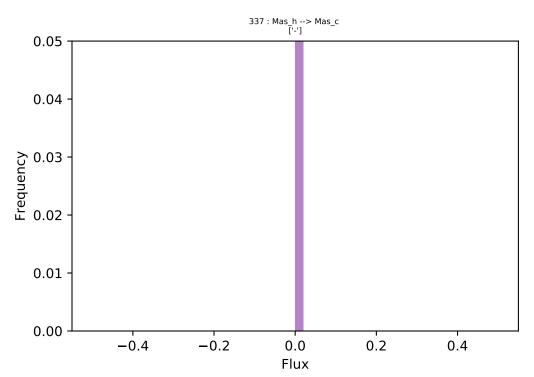


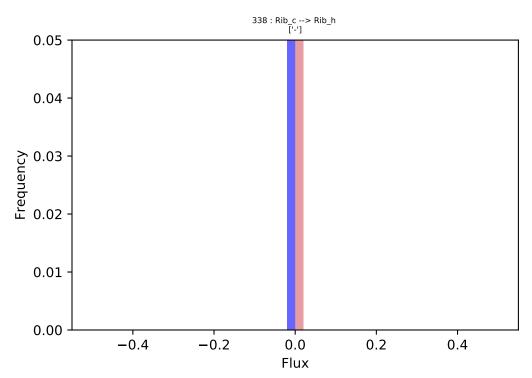


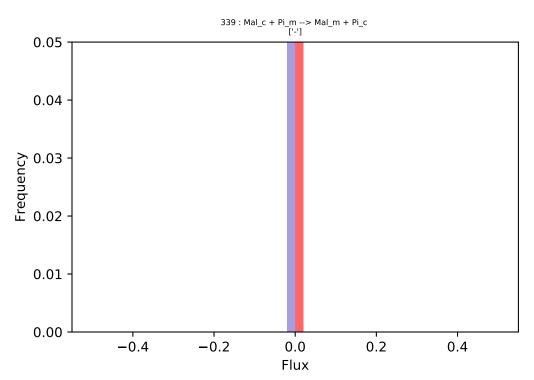


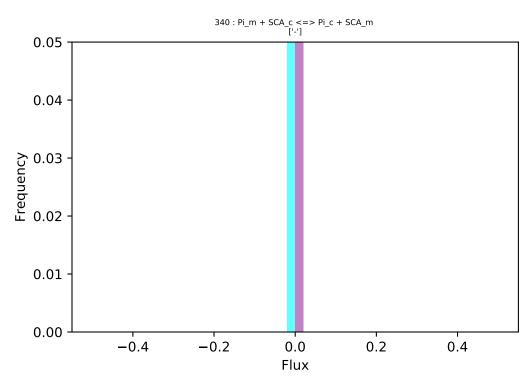


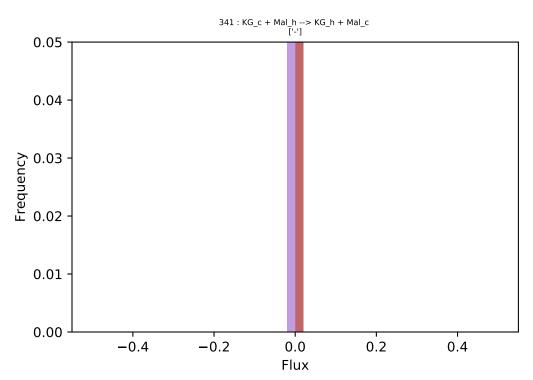


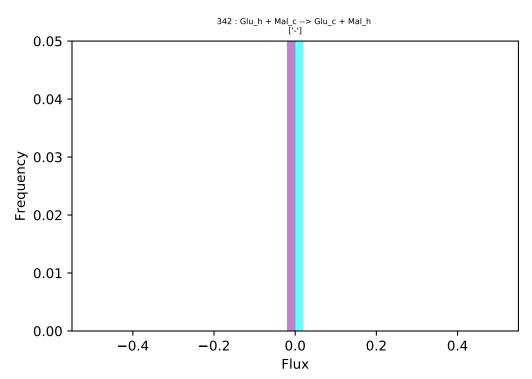


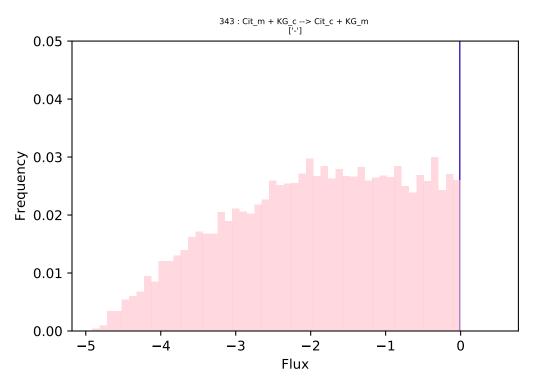


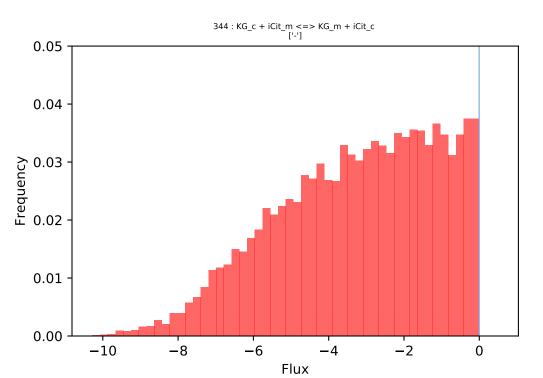


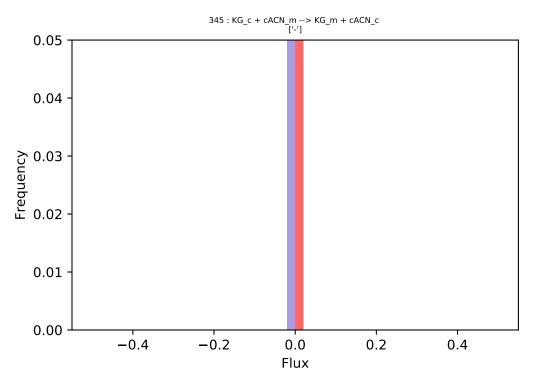


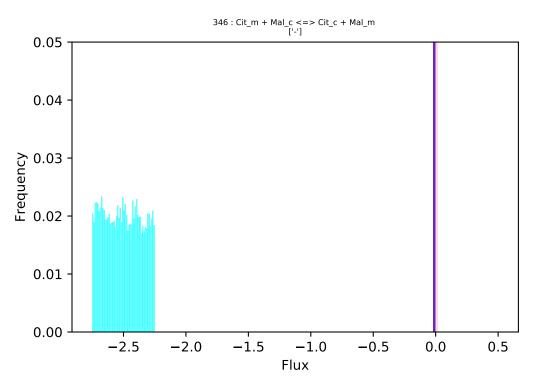


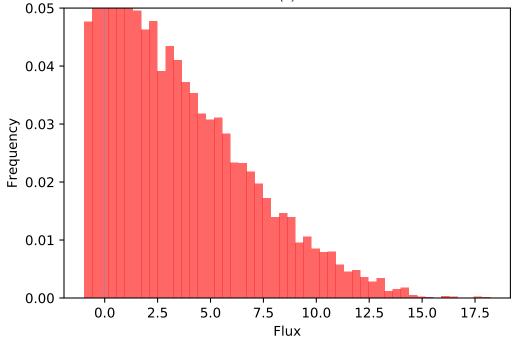


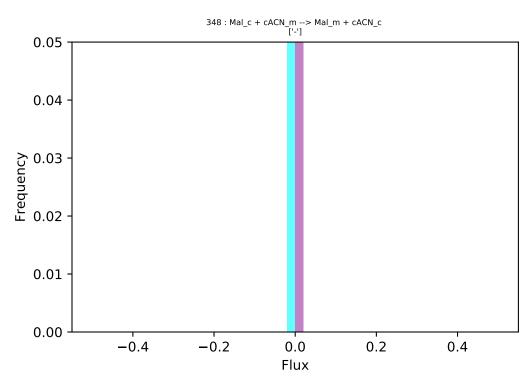


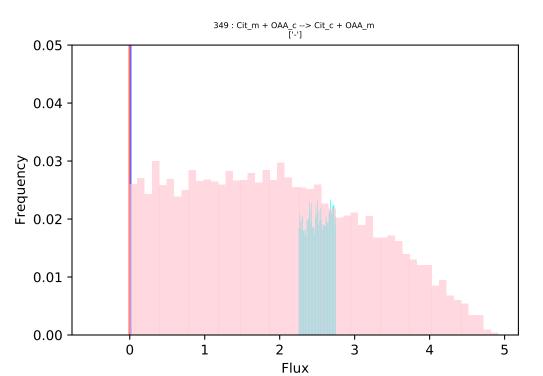


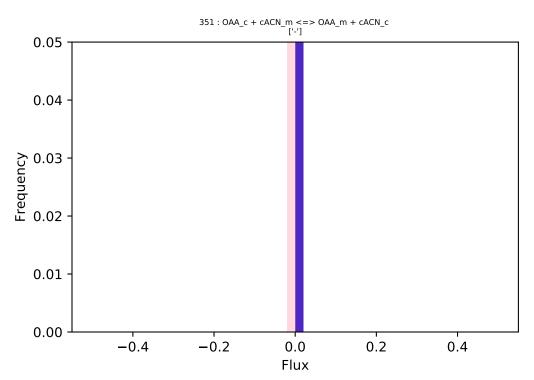


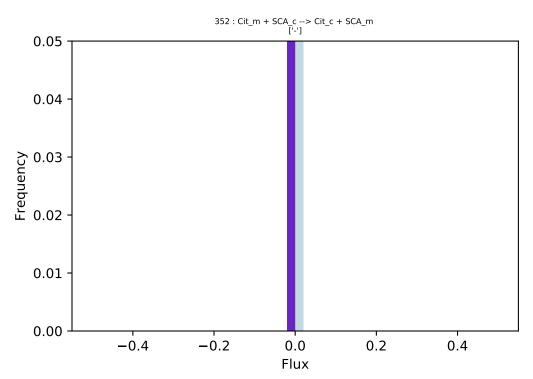


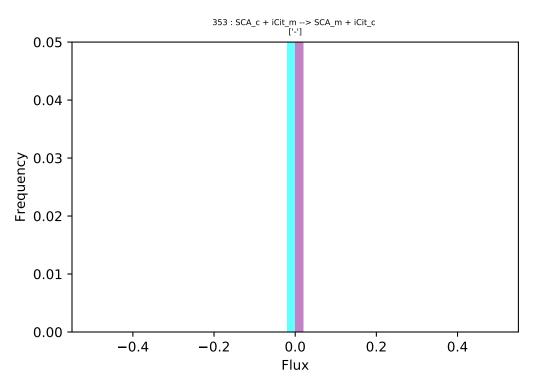


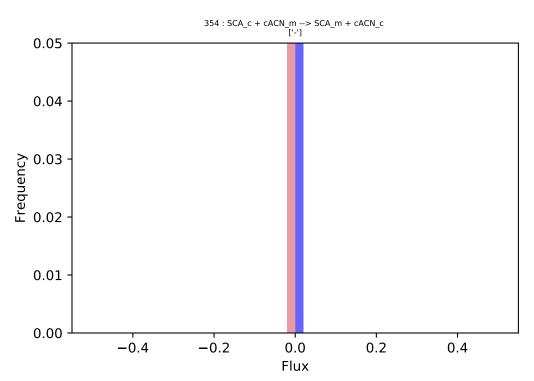


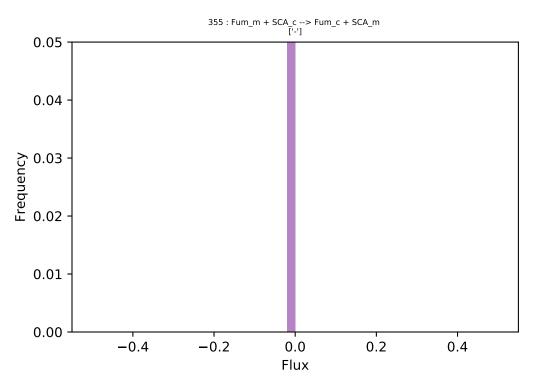


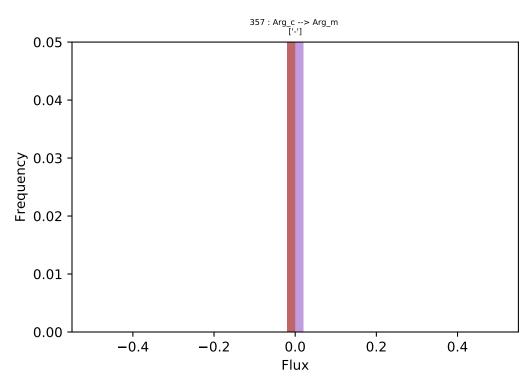


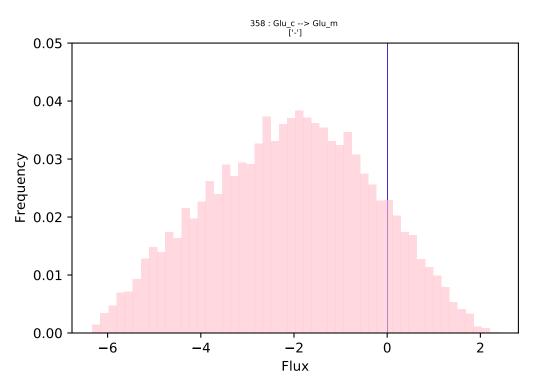


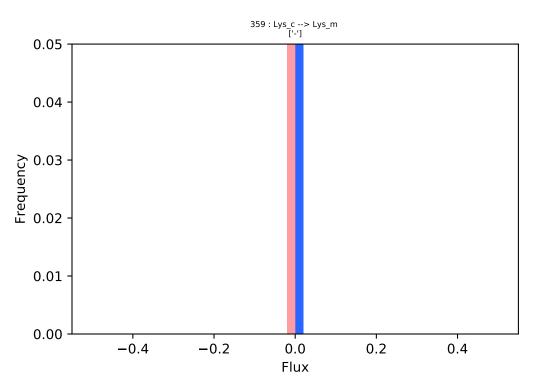


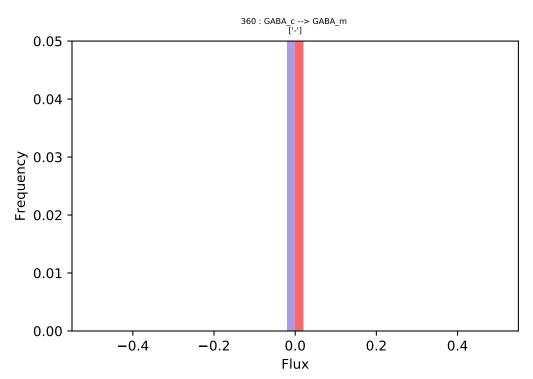


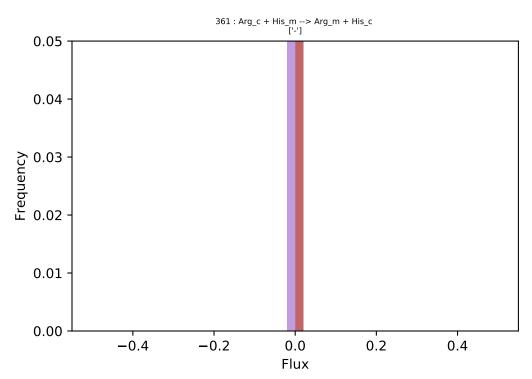


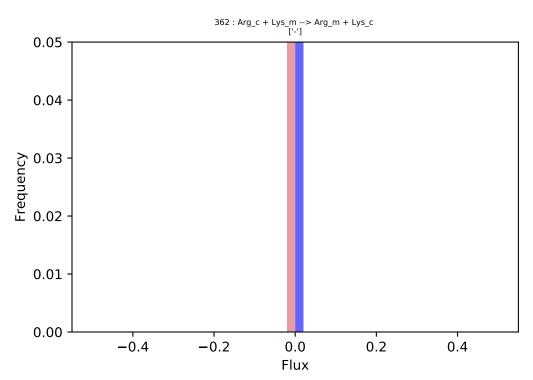


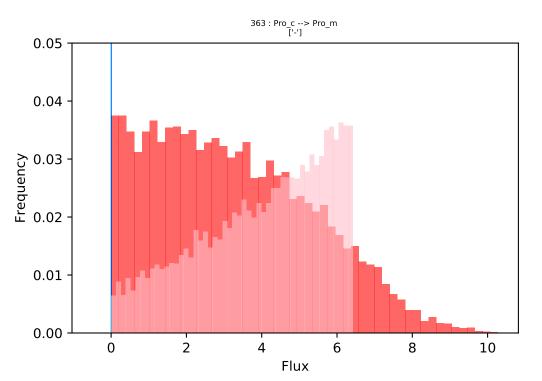


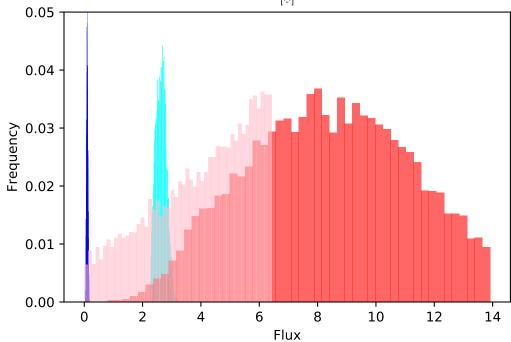


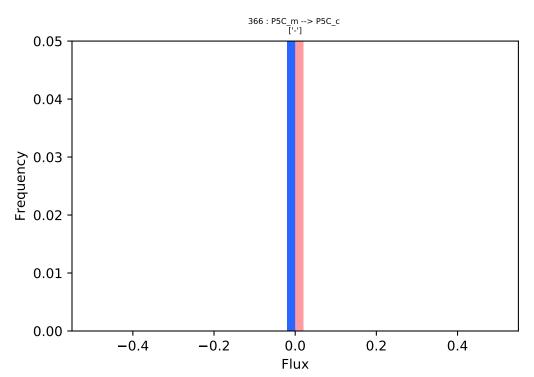


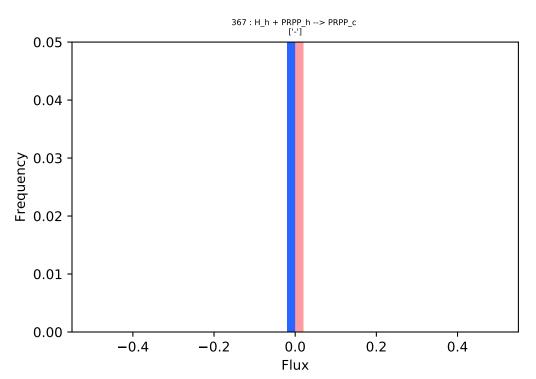


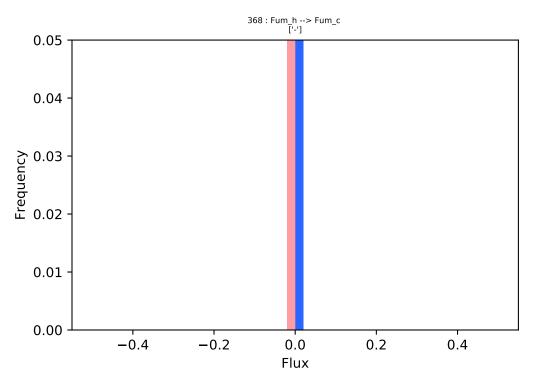


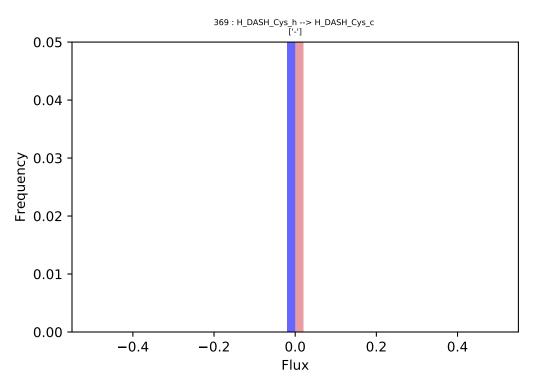


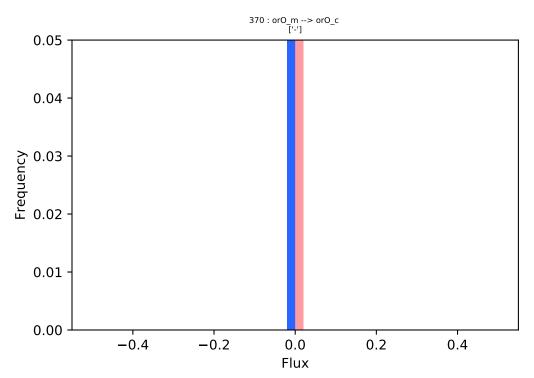


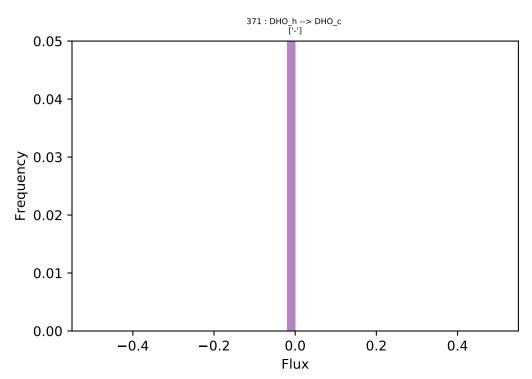


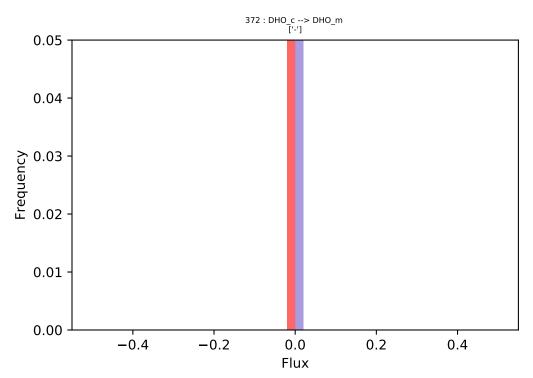


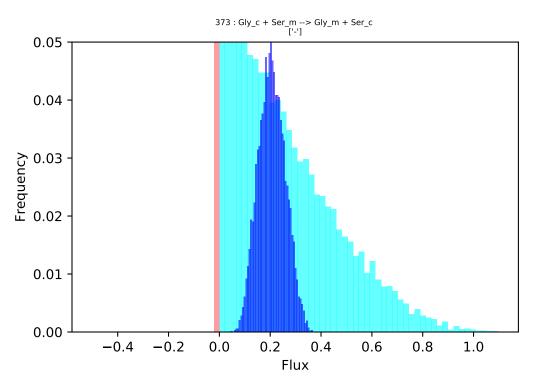


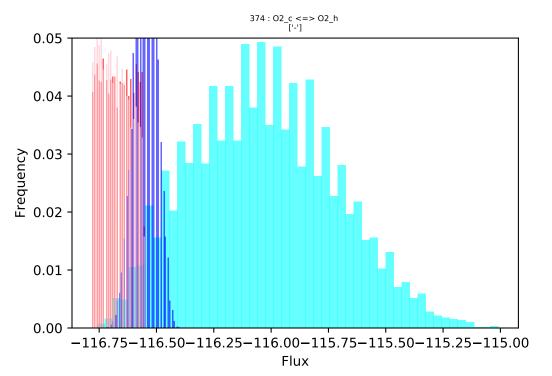


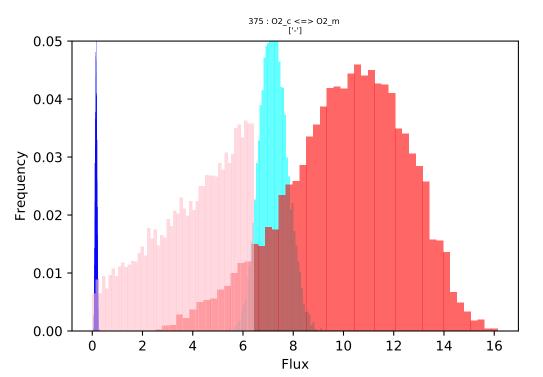


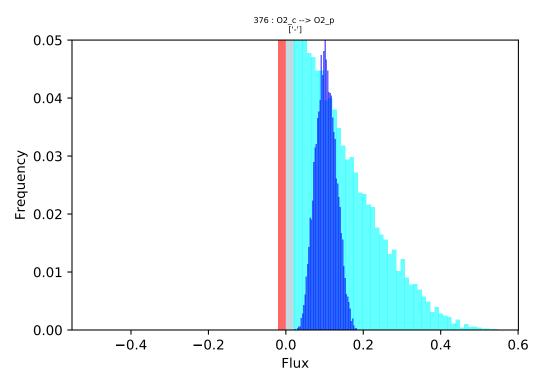


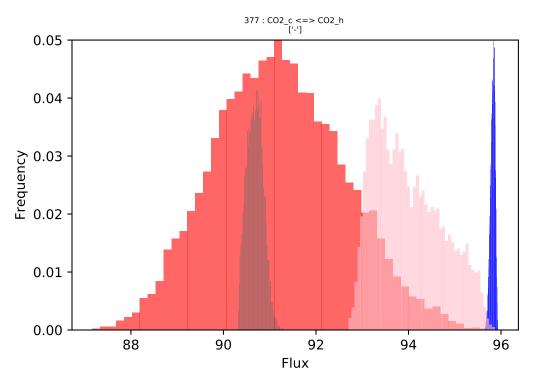


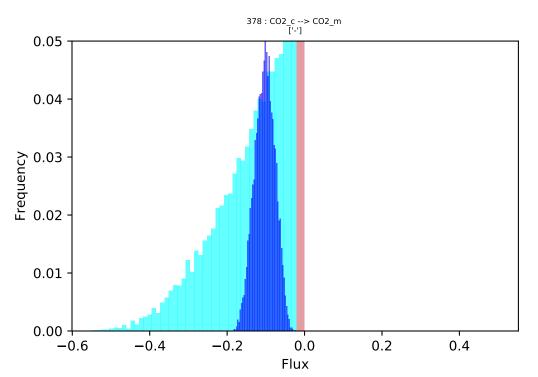


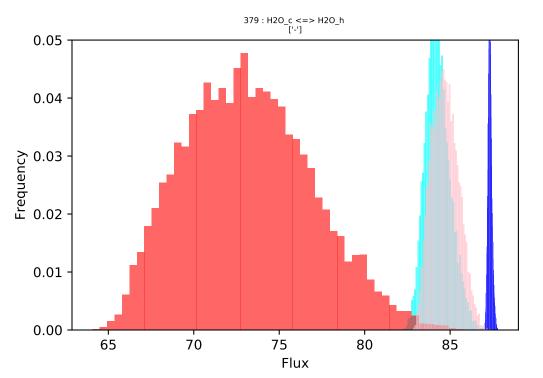


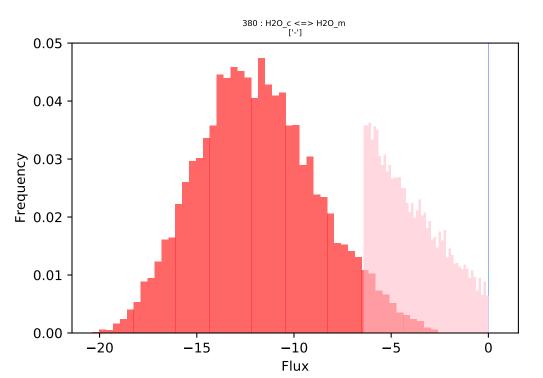


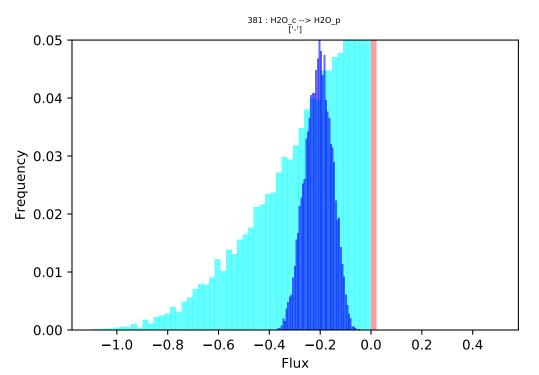


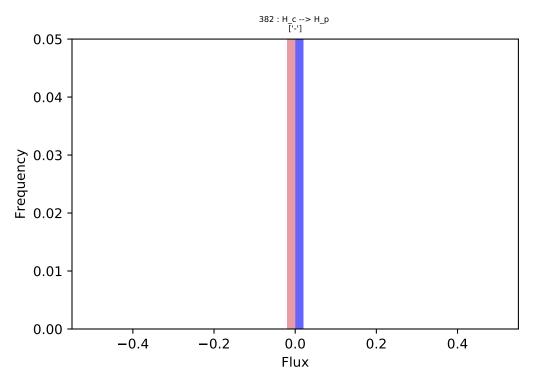


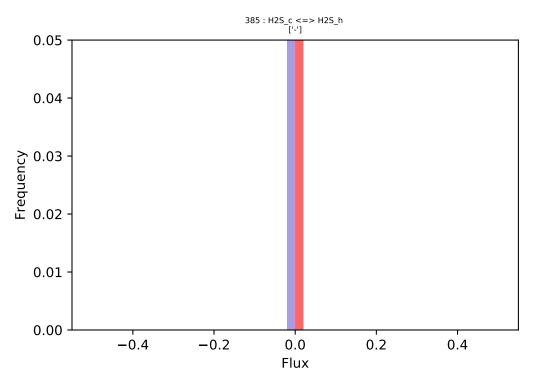


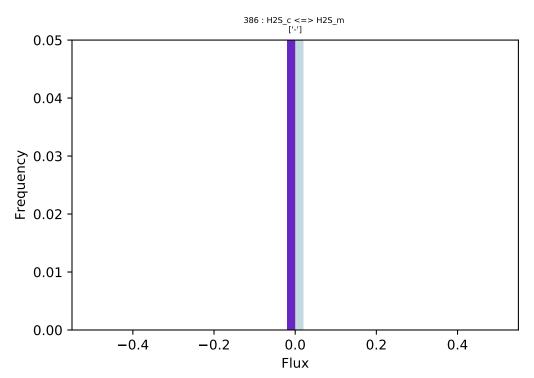


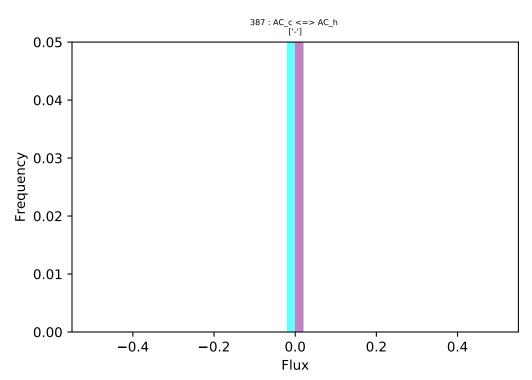


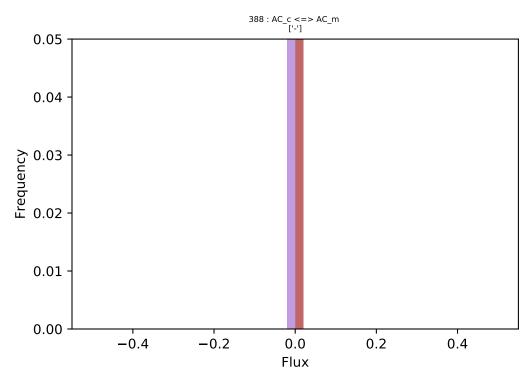


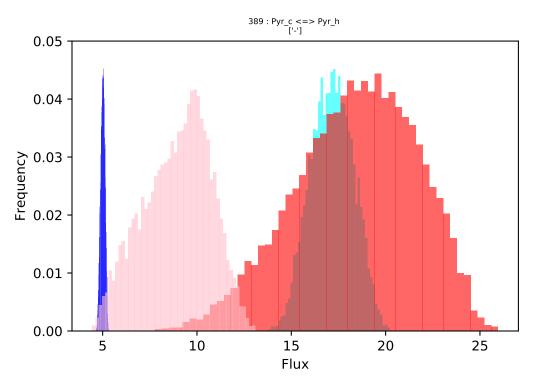


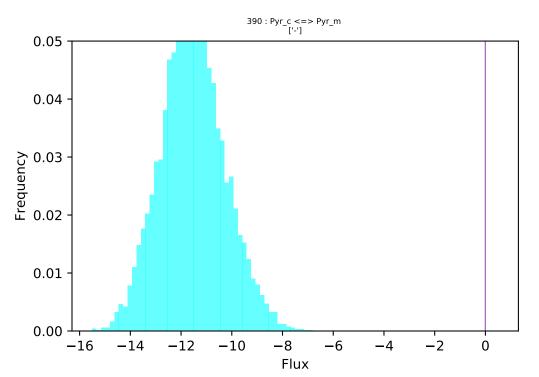


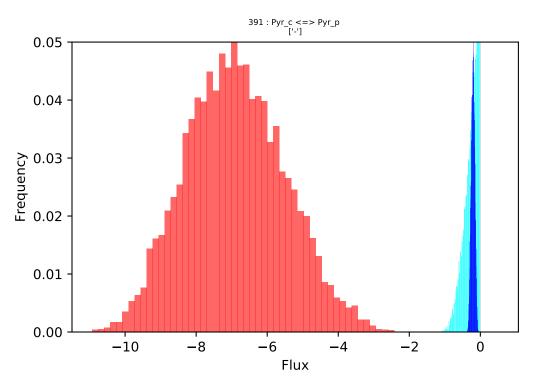


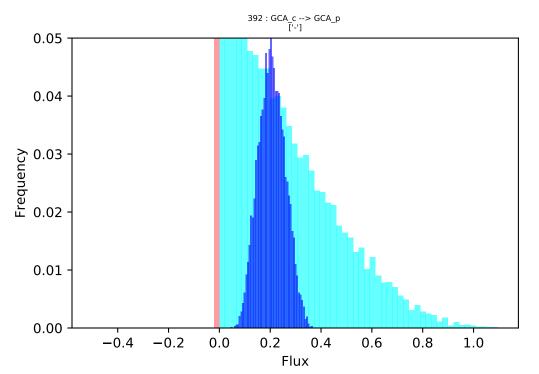


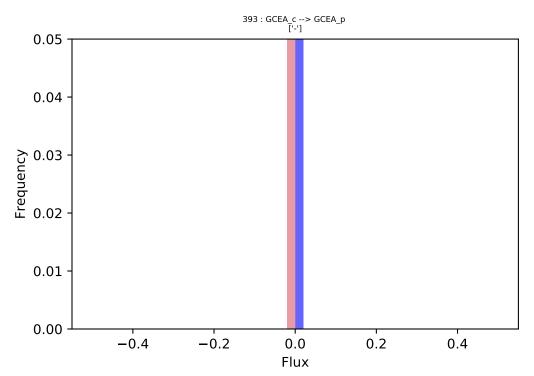


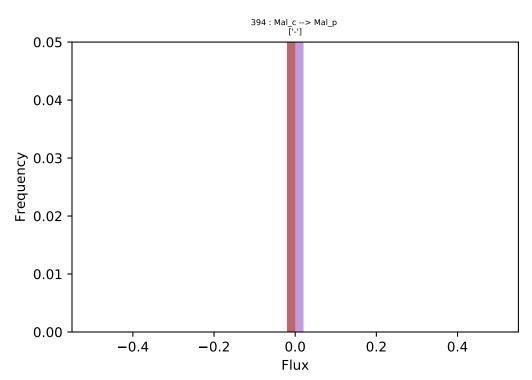




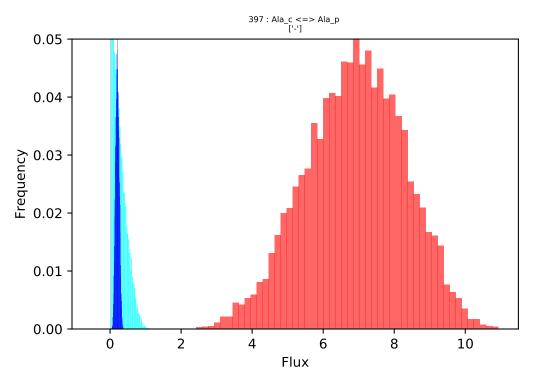


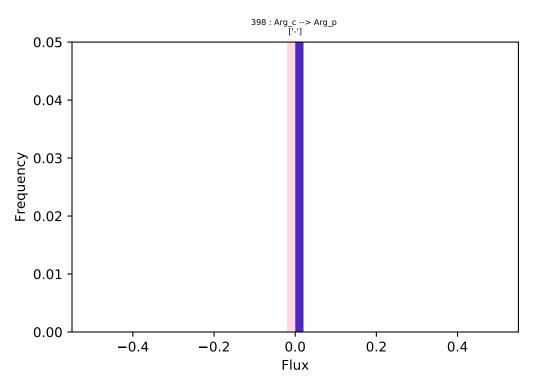


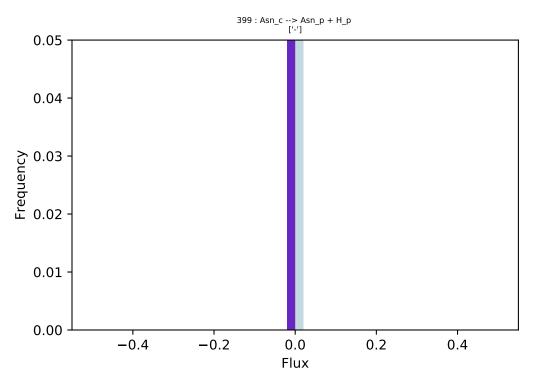


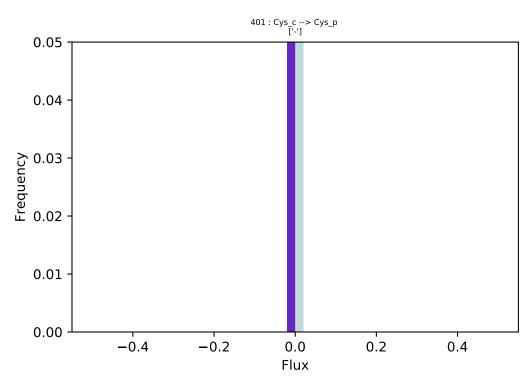


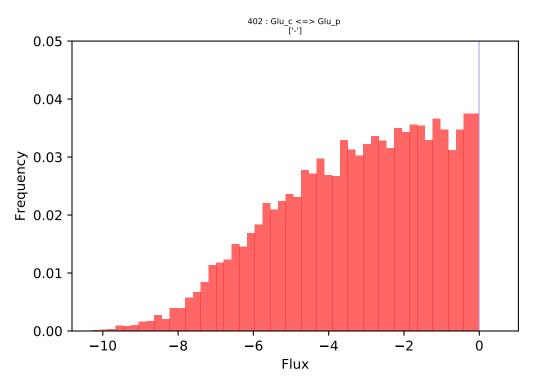
Flux

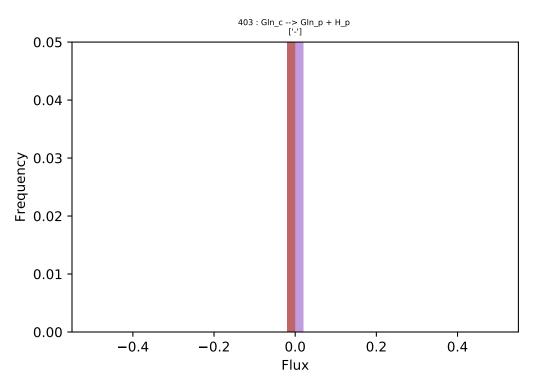


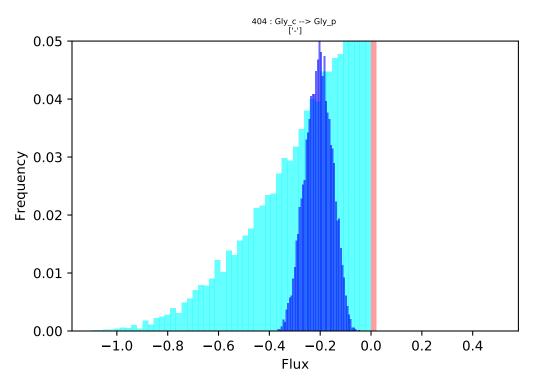


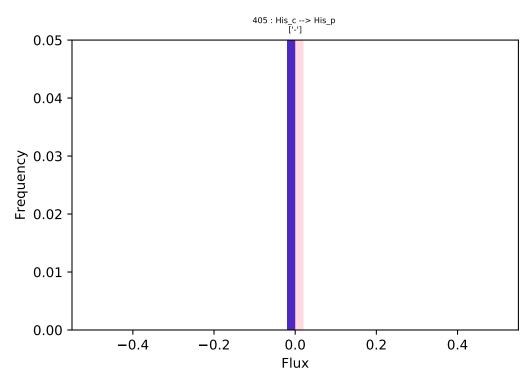


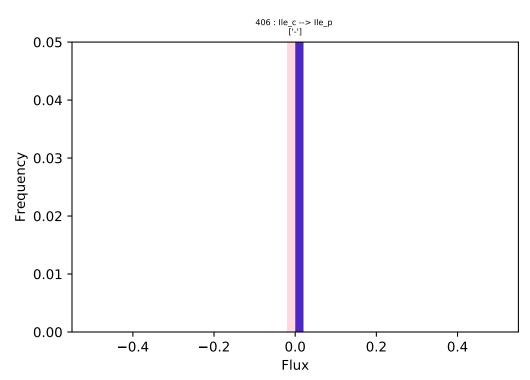


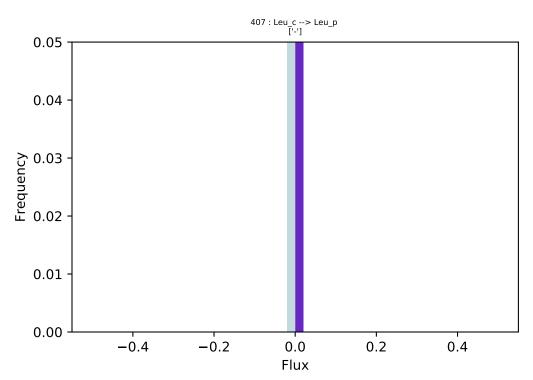


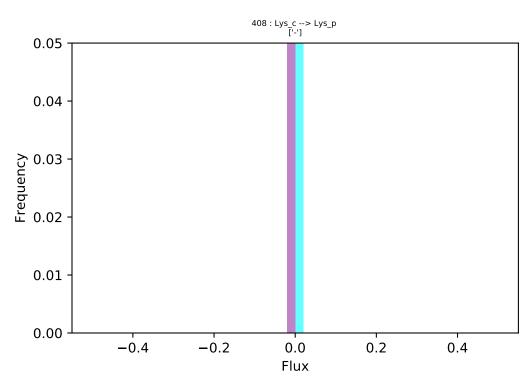


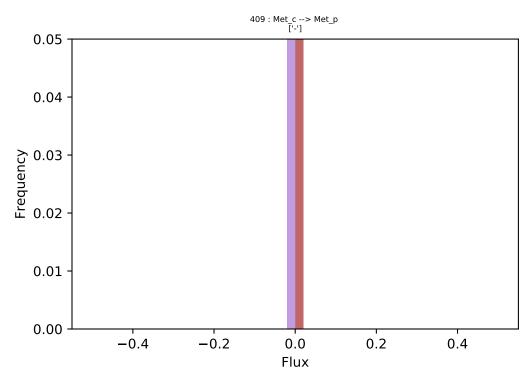


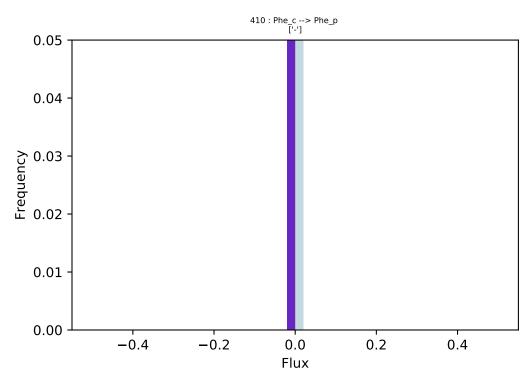


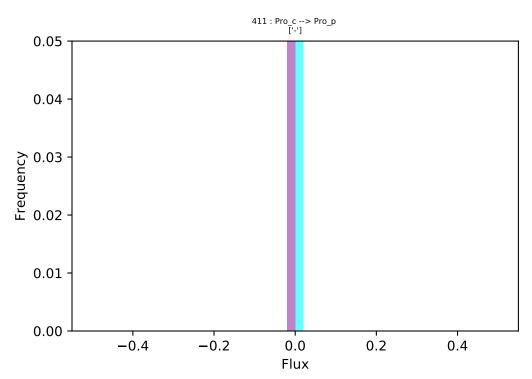


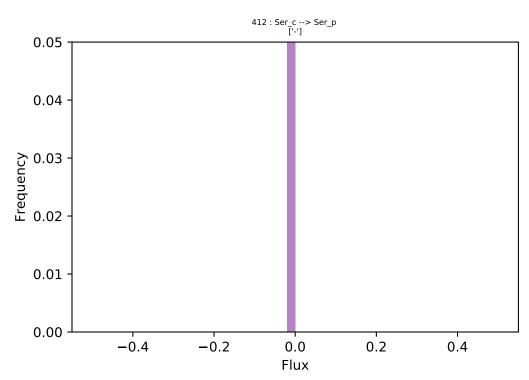


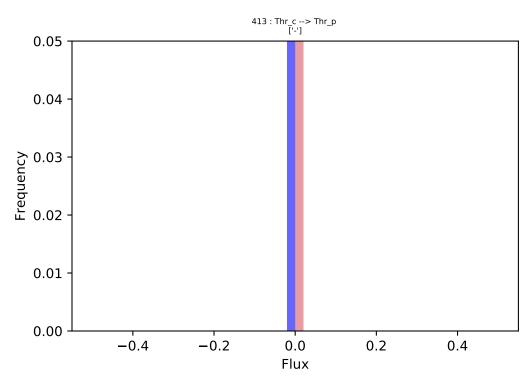


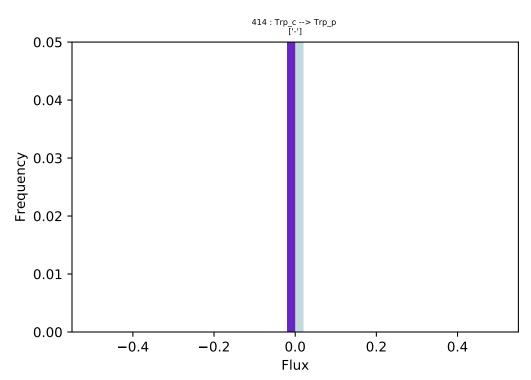


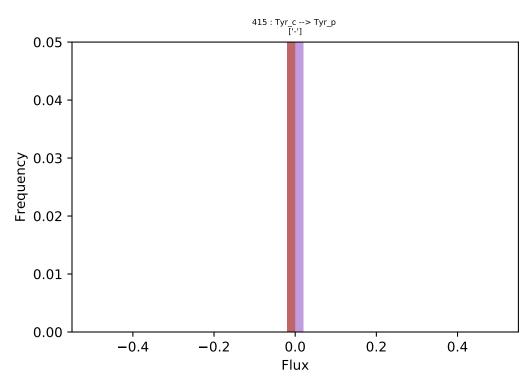


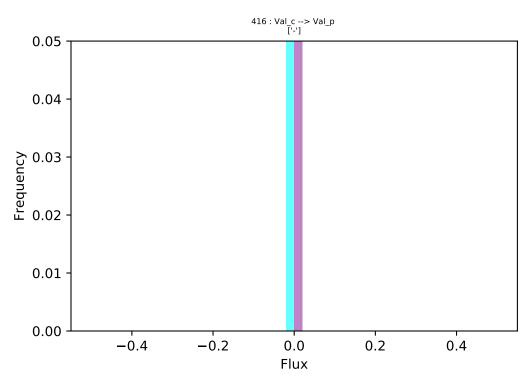


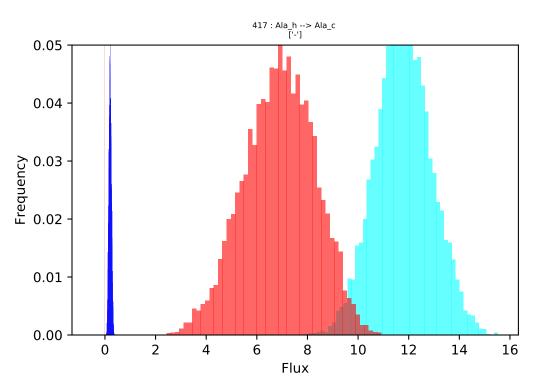


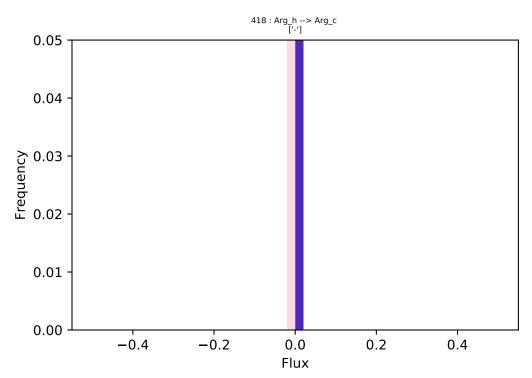


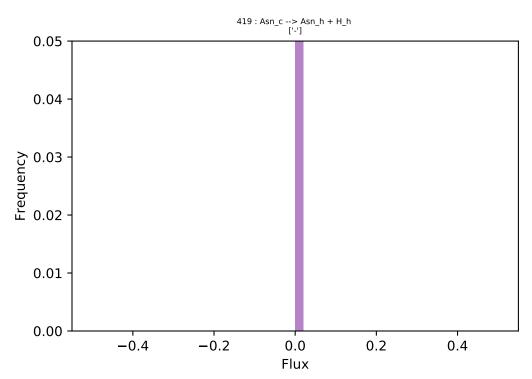


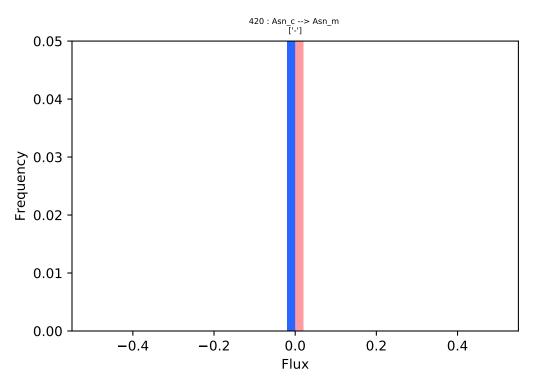


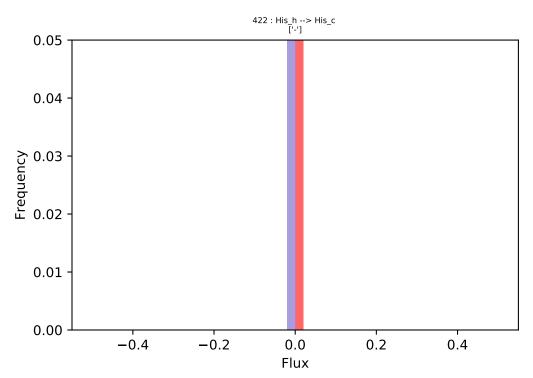


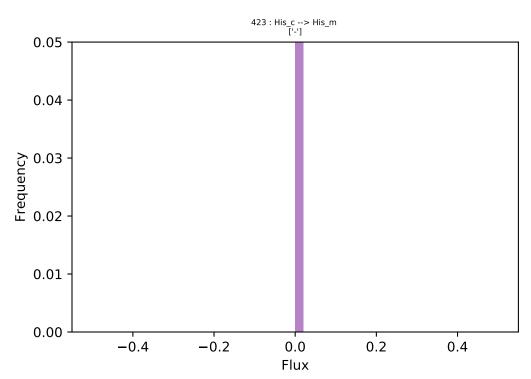


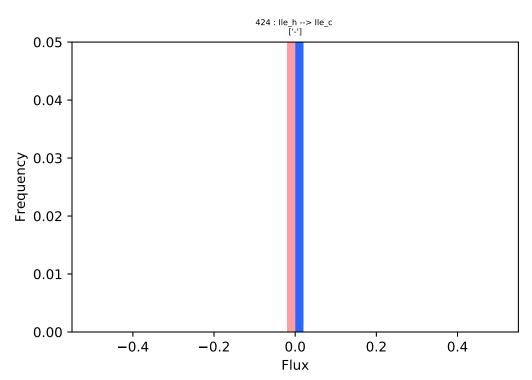


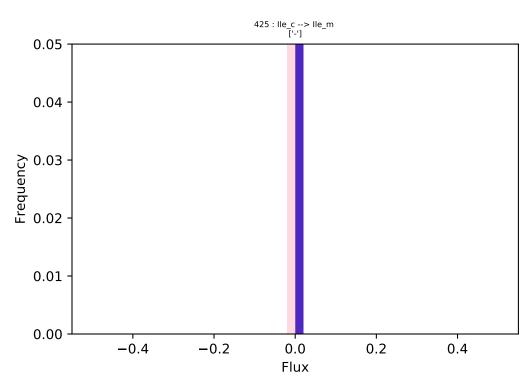


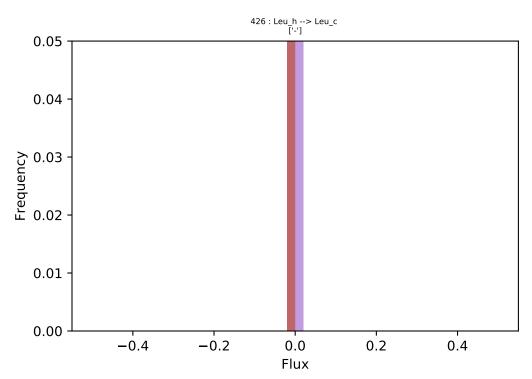


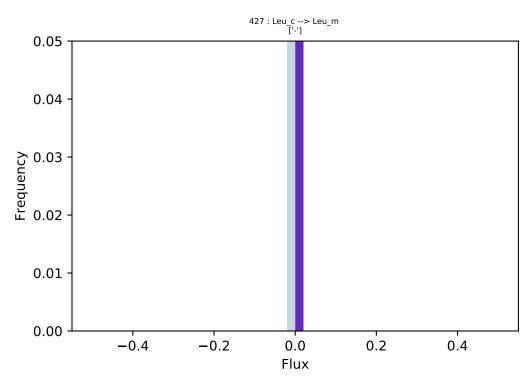


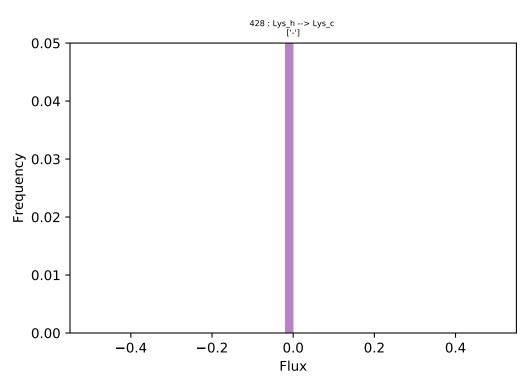


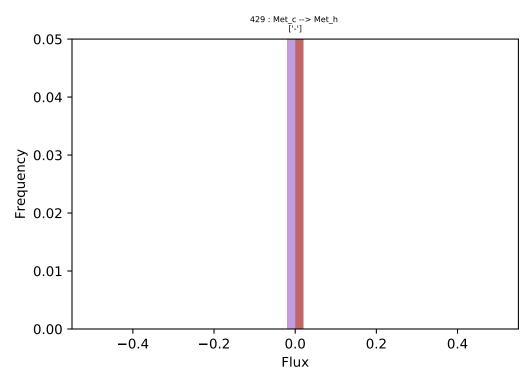


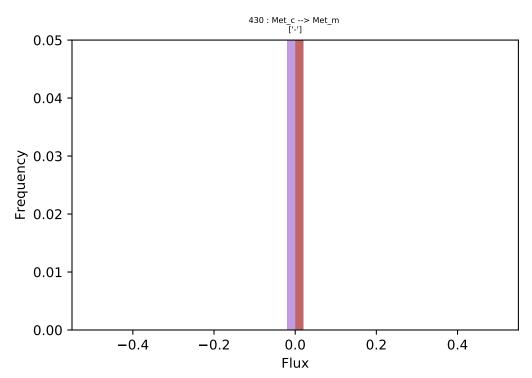


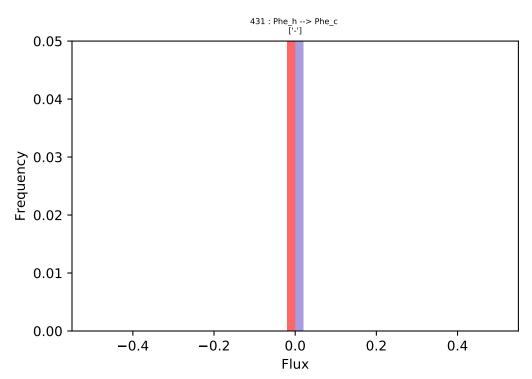


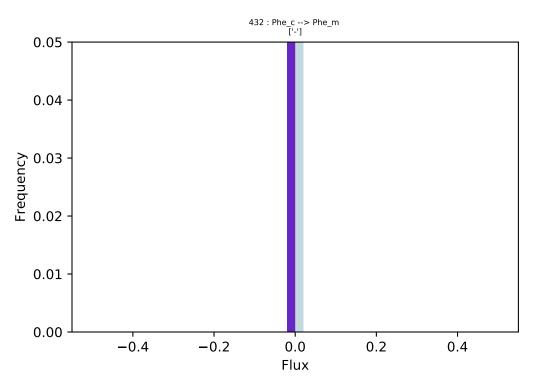


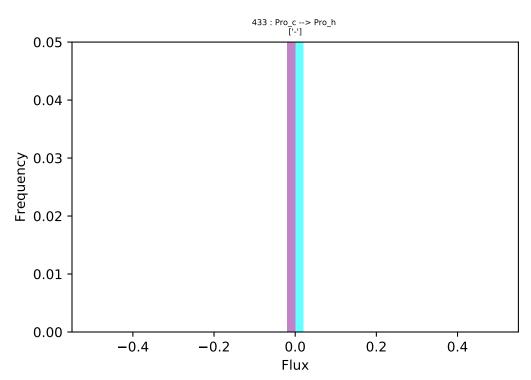


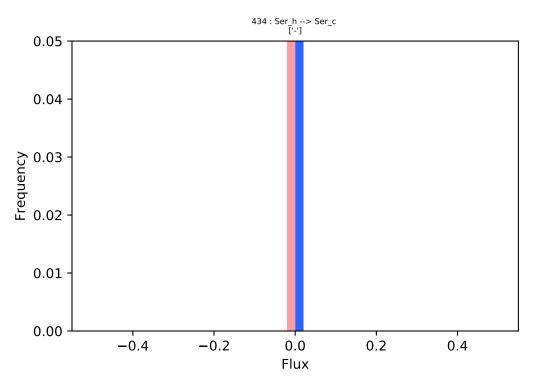


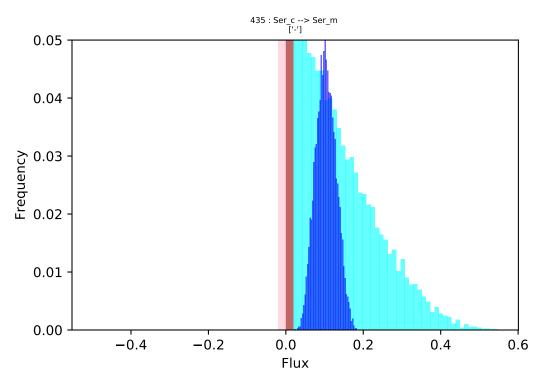


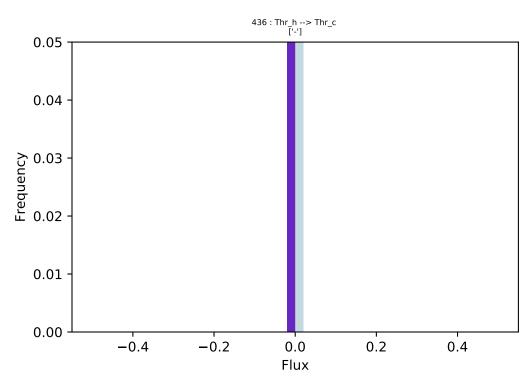


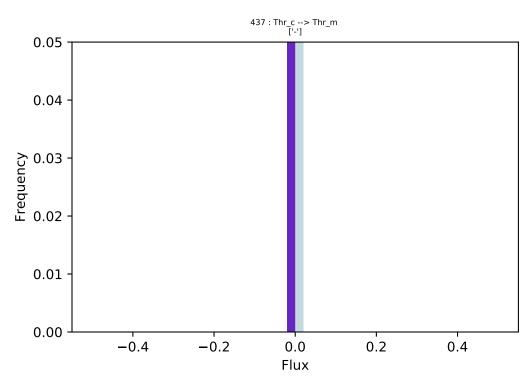


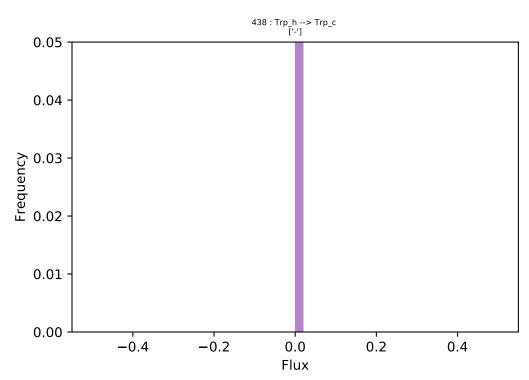


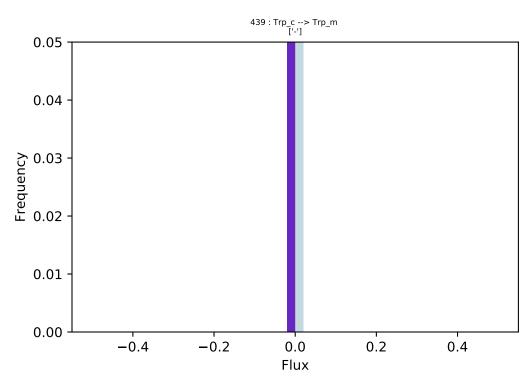


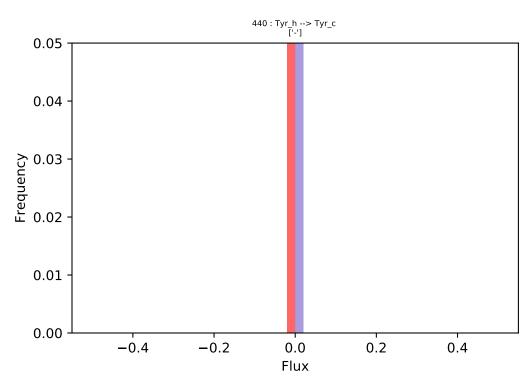


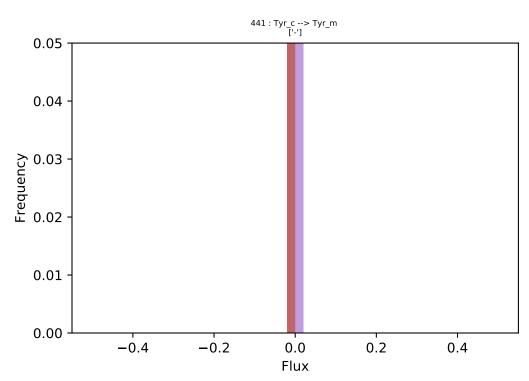


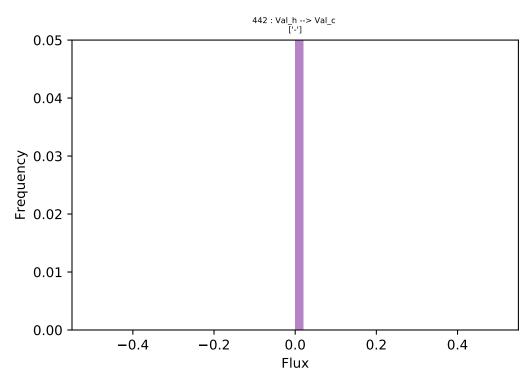


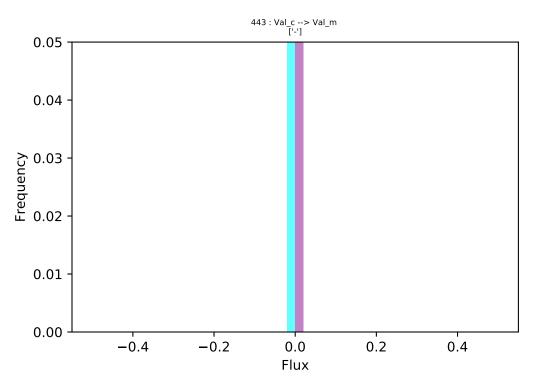




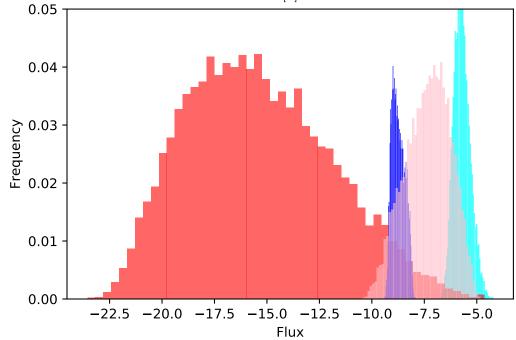


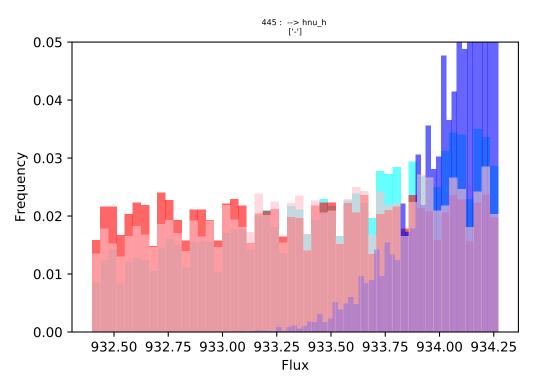


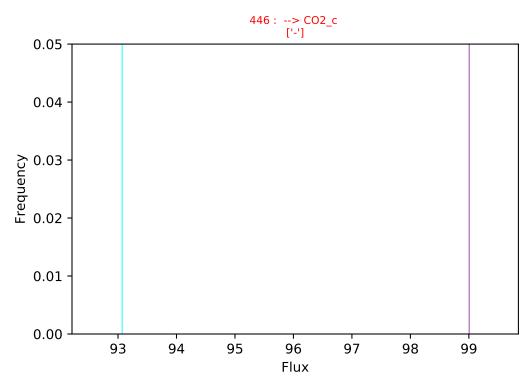


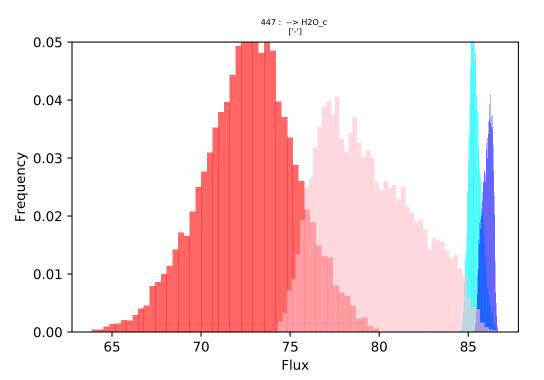


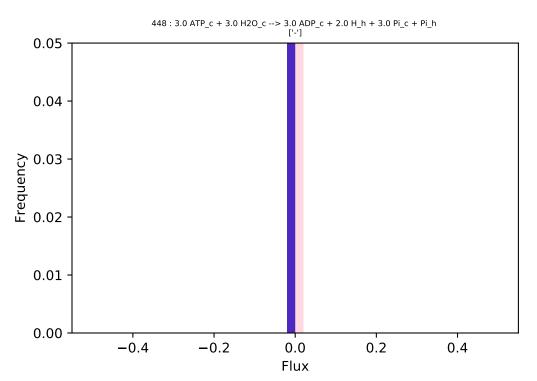












449 : 2.0 ATP_c + 2.0 H2O_c --> 2.0 ADP_c + 2.0 H_c + NO3_c + 2.0 Pi_c ['-']

