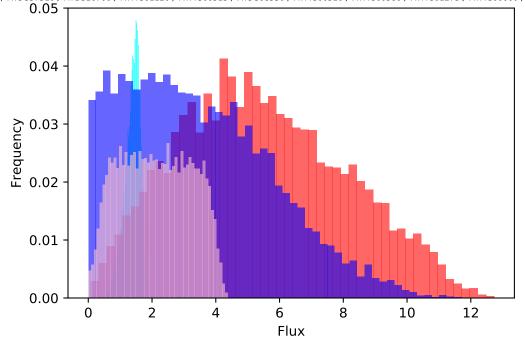
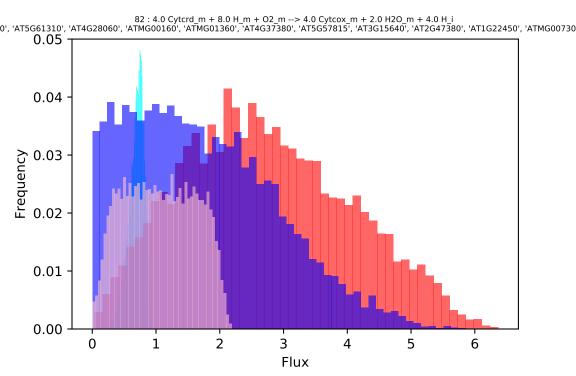


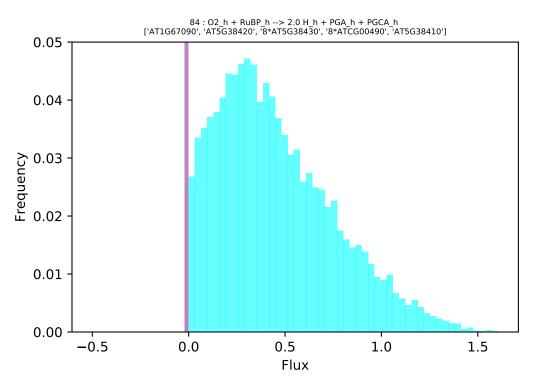
80 : 5.0 H_m + NADH_m + Q_m --> 4.0 H_i + NAD_m + QH2_m
0', 'AT5G37510', 'AT1G16700', 'ATMG01120', 'ATMG00513', 'AT5G08530', 'ATMG00510', 'ATMG00580', 'ATMG01275', 'ATMG00060', 'ATMG0065
0.05

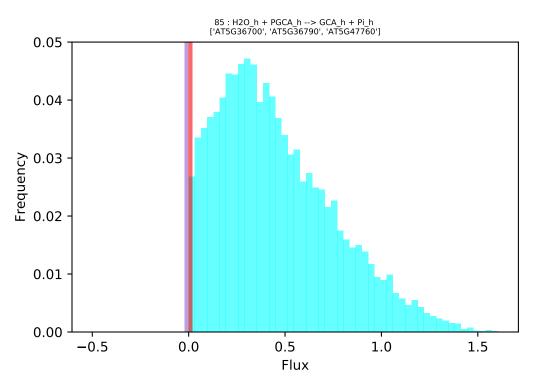


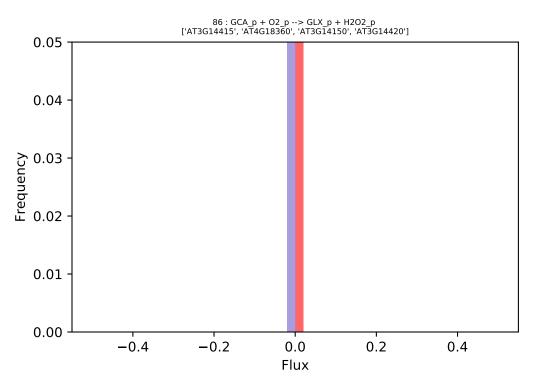
81 : 2.0 Cytcox_m + 2.0 H_m + QH2_m --> 2.0 Cytcrd_m + 4.0 H_i + Q_m
60', 'AT3G02090', 'AT3G10860', 'AT3G16480', 'AT2G01090', 'AT5G13440', 'ATMG00220', 'AT4G32470', 'AT2G07727', 'AT3G27240', 'AT5G40810'
0.05 \[\frac{1}{1} \] 0.04 Eveduency 5.00 Freduency 5.00 Fredue 0.01 0.00 8 10 12 Flux

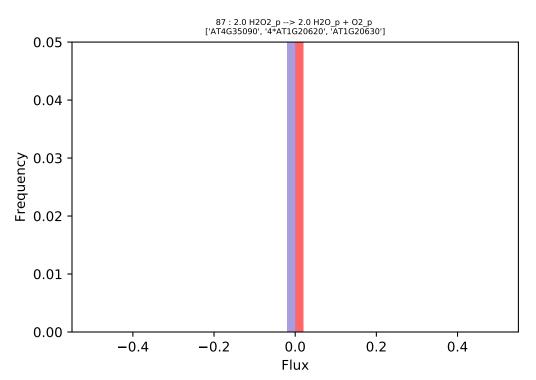


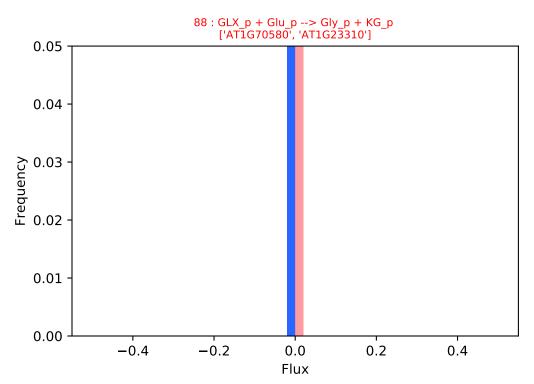
 $83: ADP_m + 4.0 \ H_i + Pi_m <=> ATP_m + H2O_m + 3.0 \ H_m \\ 3040', '12*ATMG01080', 'AT5G13450', '3*ATMG01190', 'AT3G52300', '3*AT5G08670', 'AT1G51650', 'ATMG01170', 'ATMG00480', 'AT2G07671', \\ 0.05 \ T$ 0.04 Frequency 20.03 0.01 0.00 20 10 15 25 30 Flux

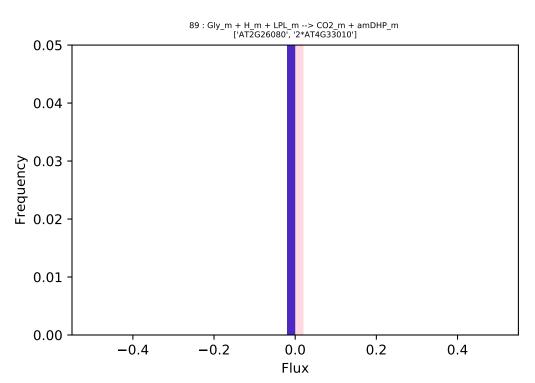


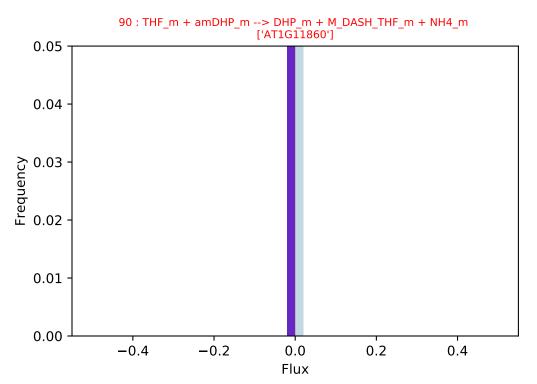


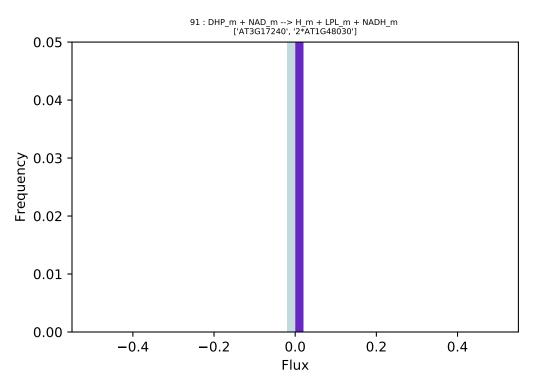


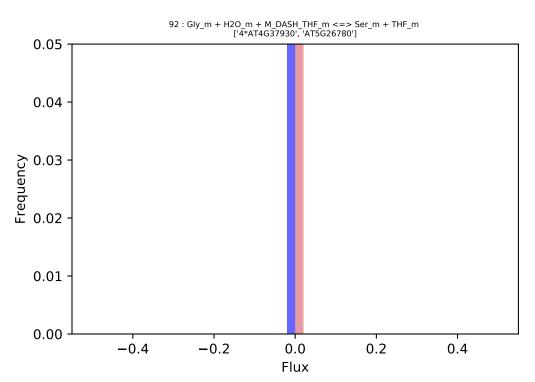


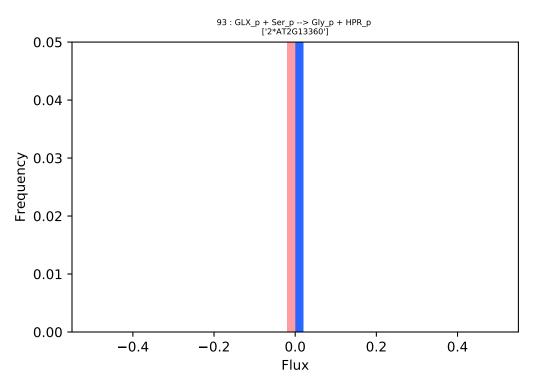


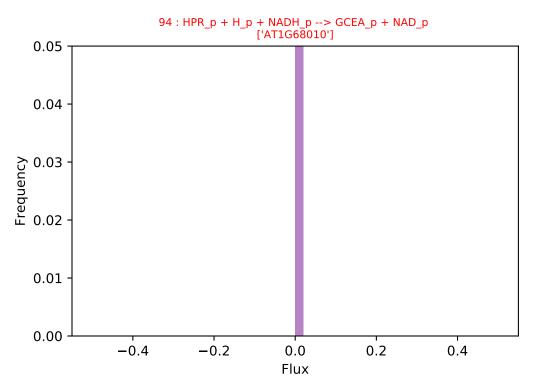


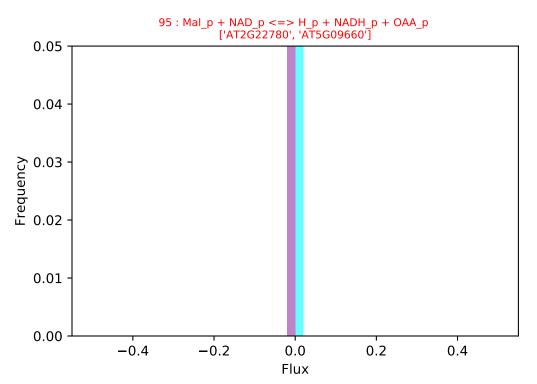


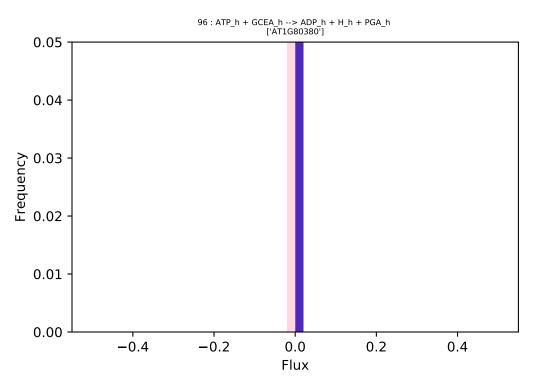


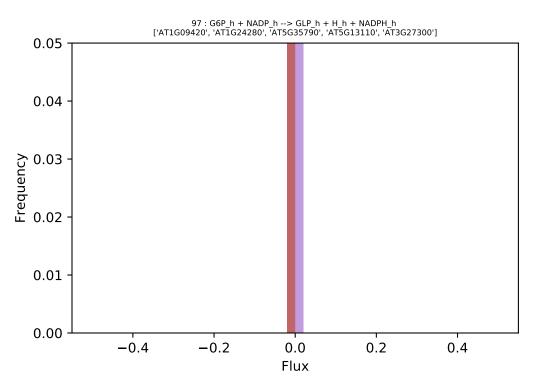


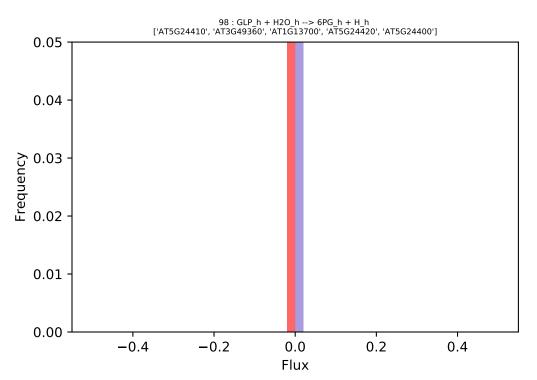


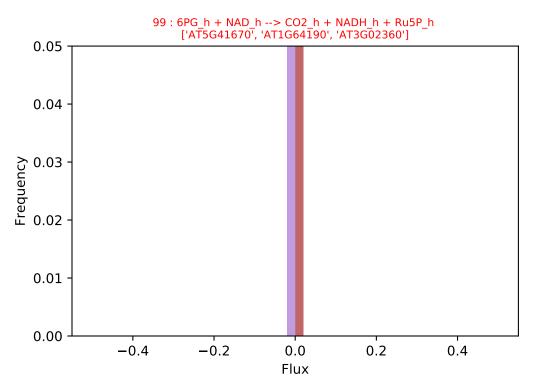


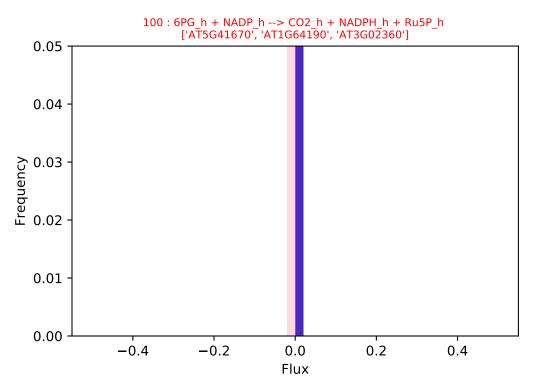


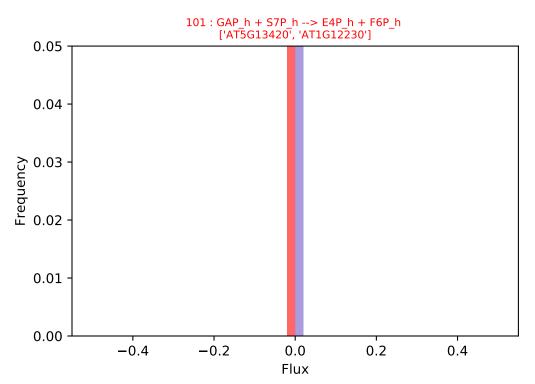


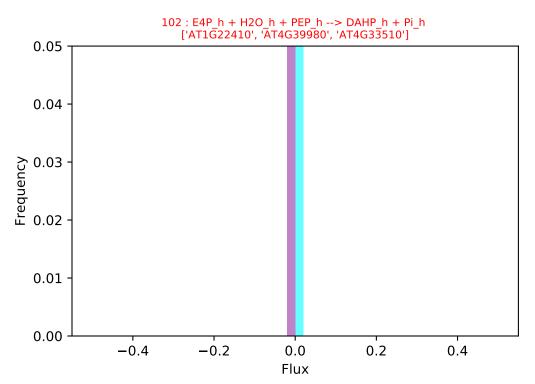


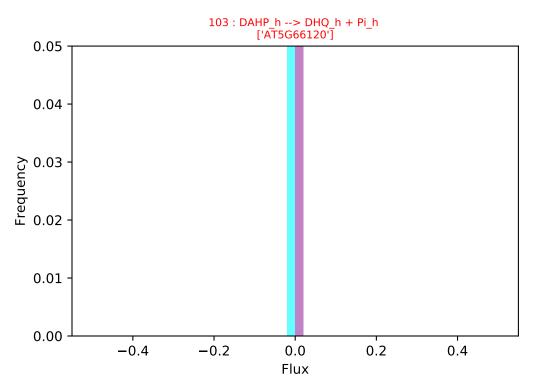


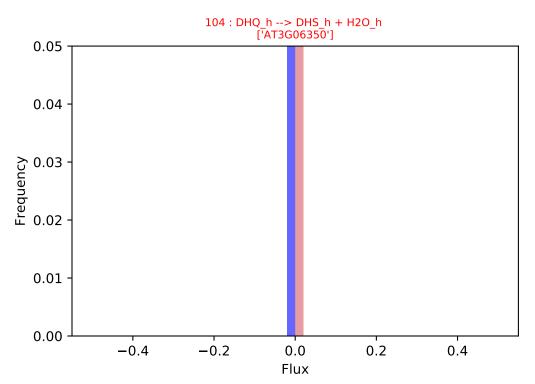


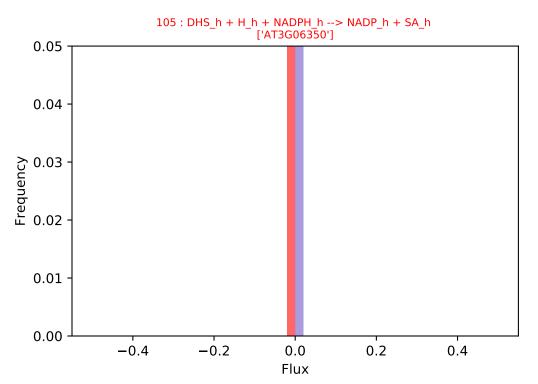


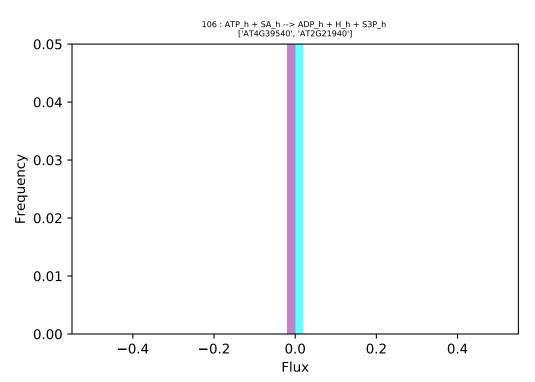


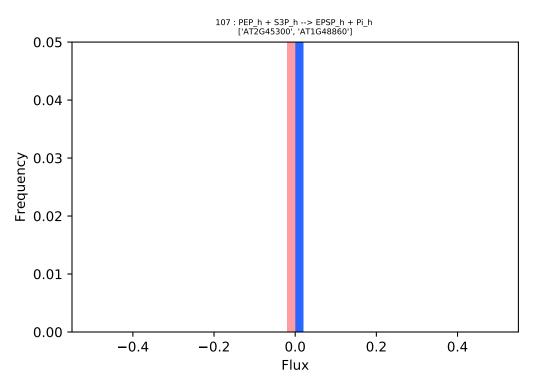


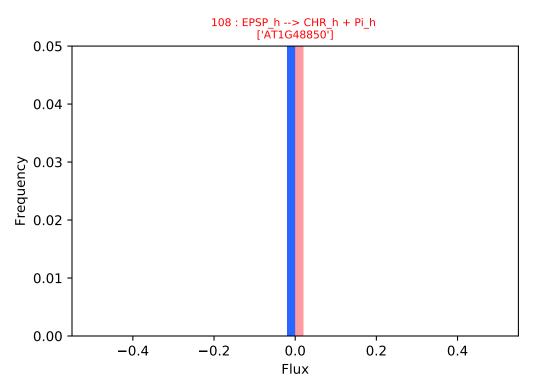


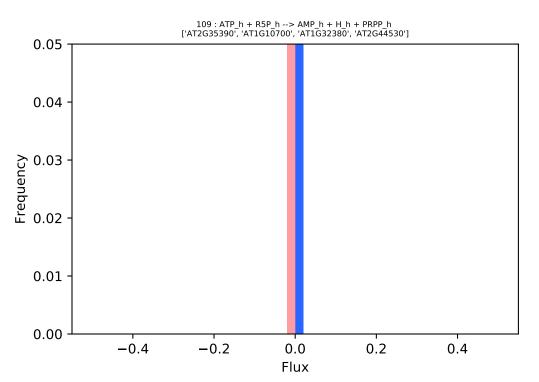


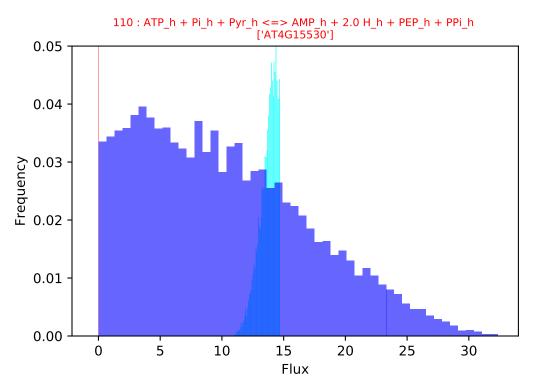


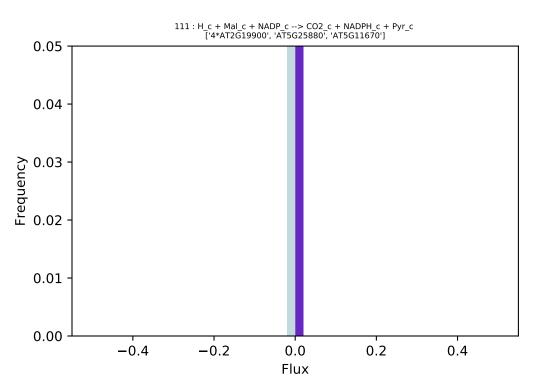


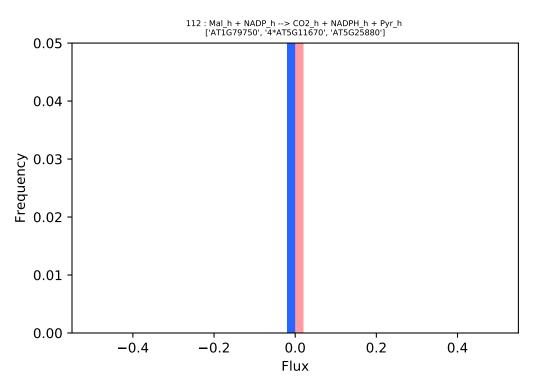


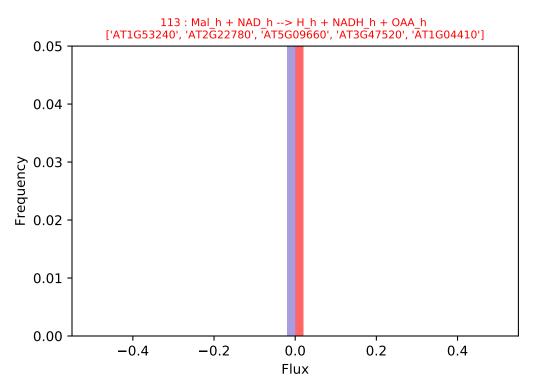


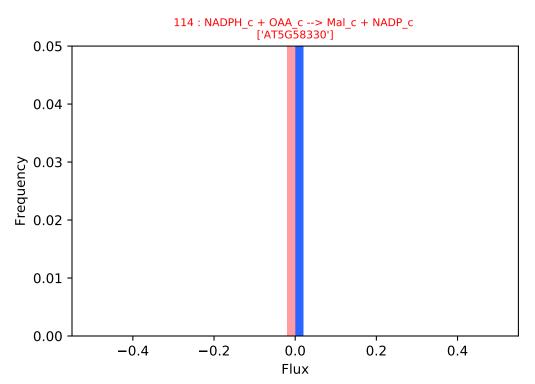


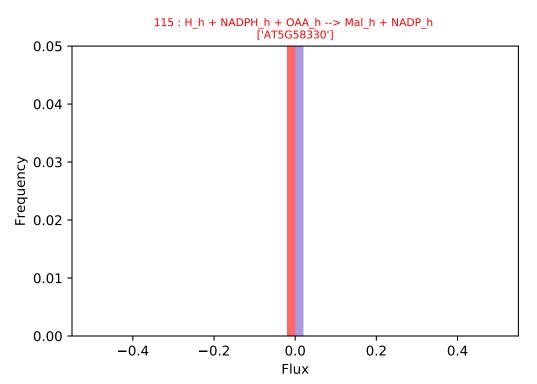


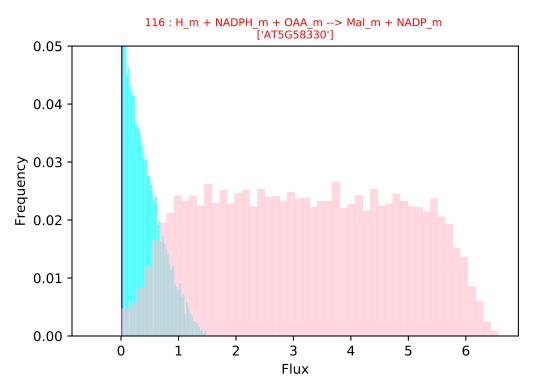


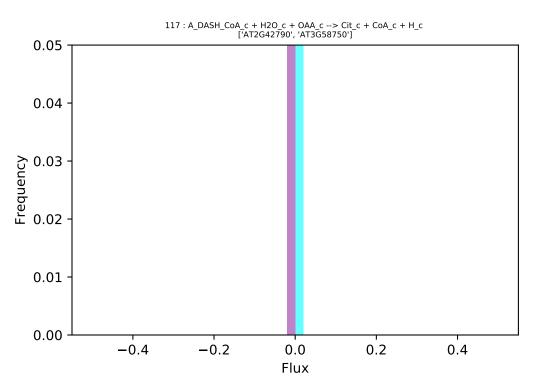


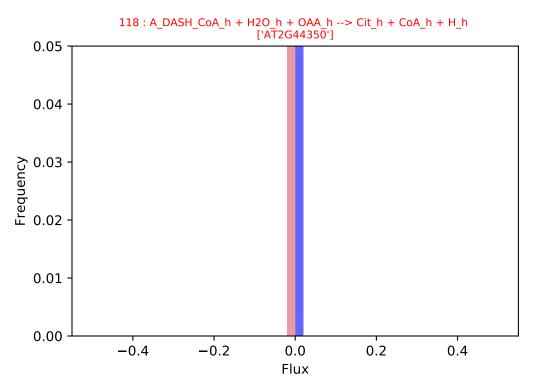


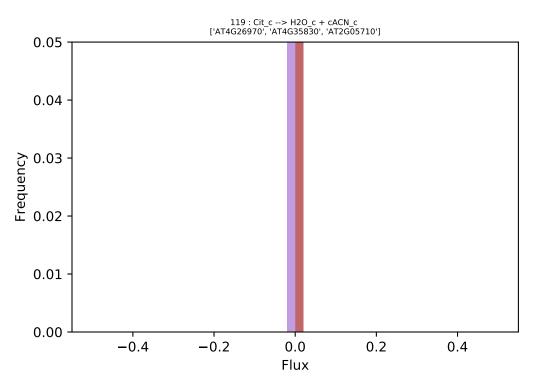


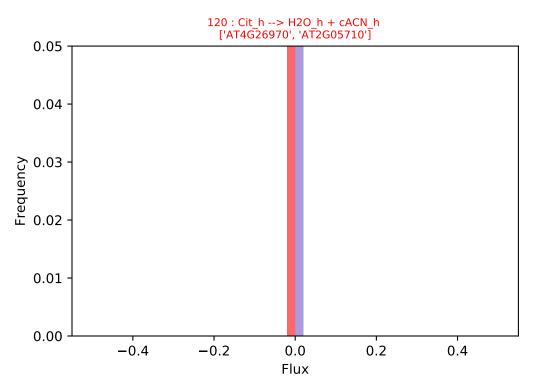


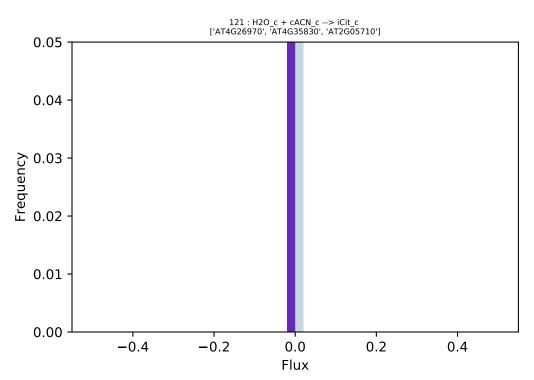


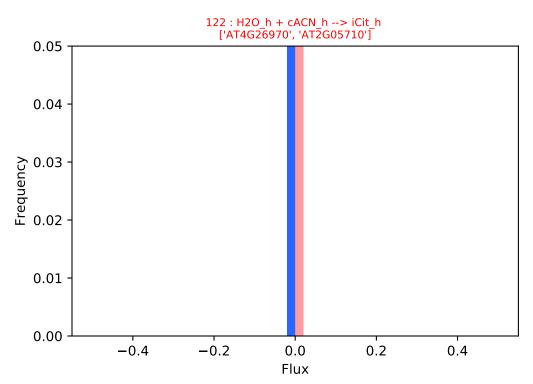


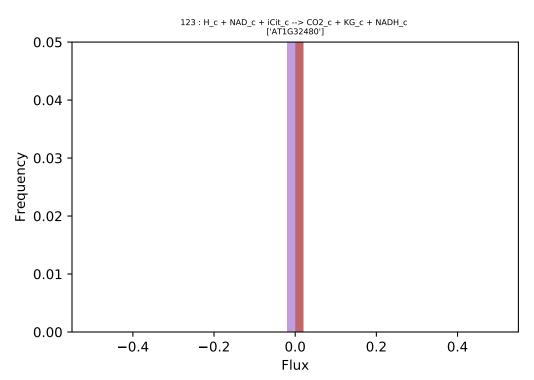


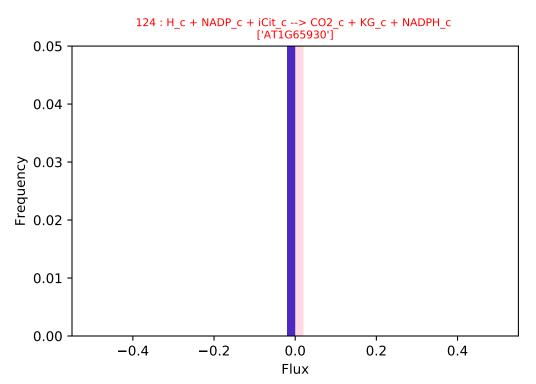


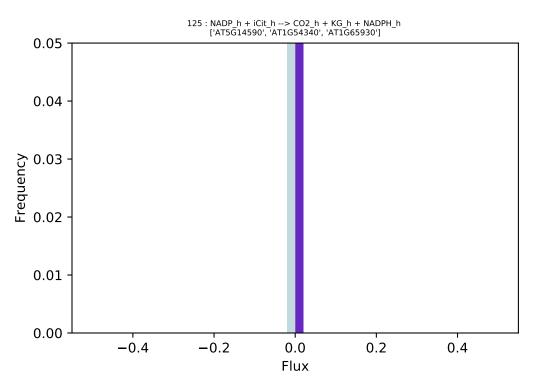


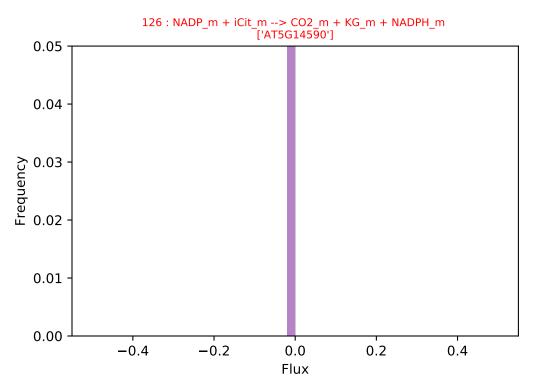


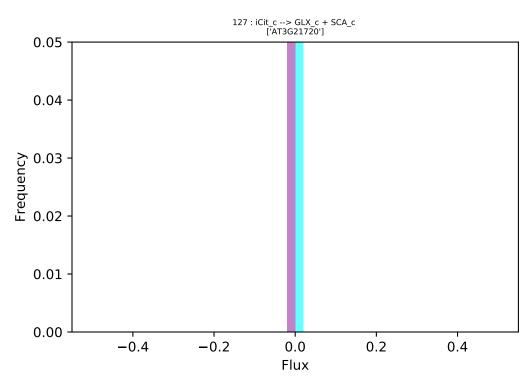


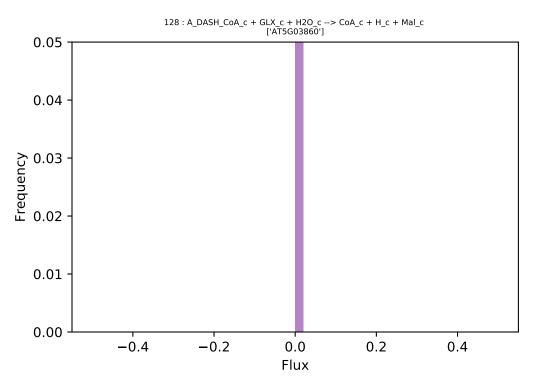


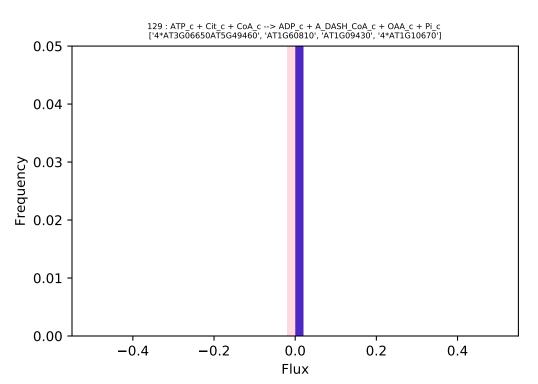


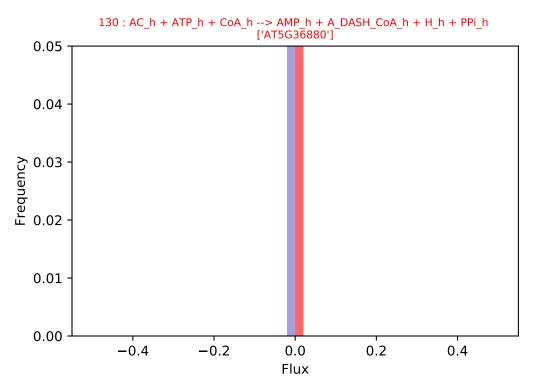


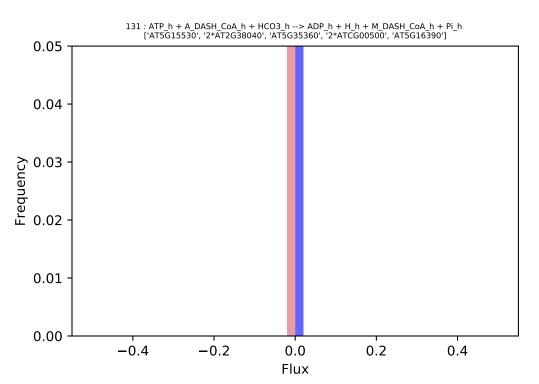


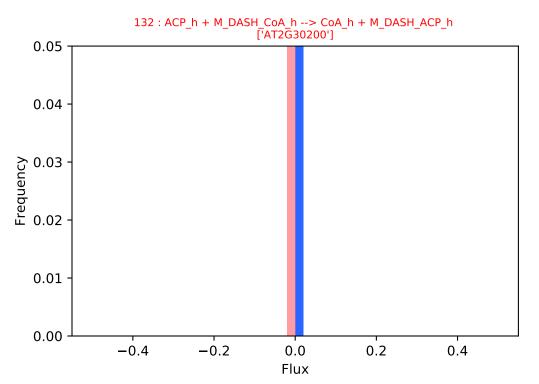


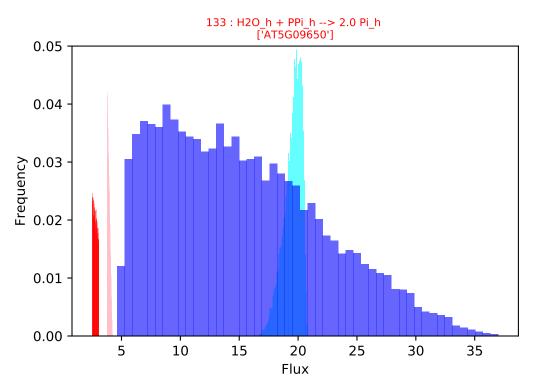


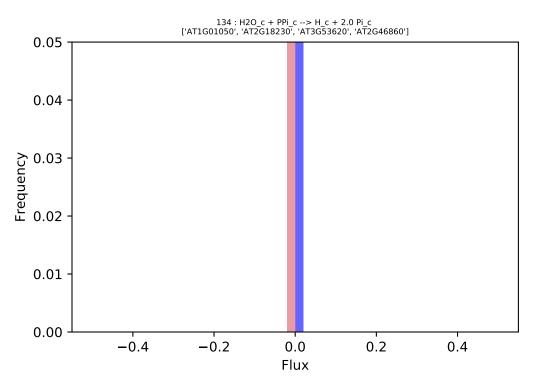


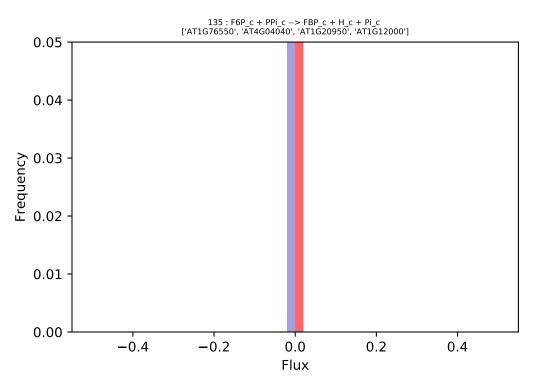


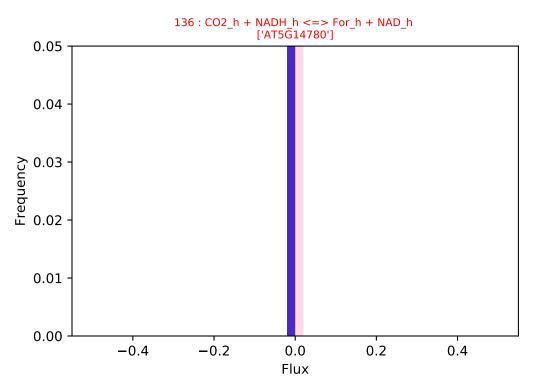


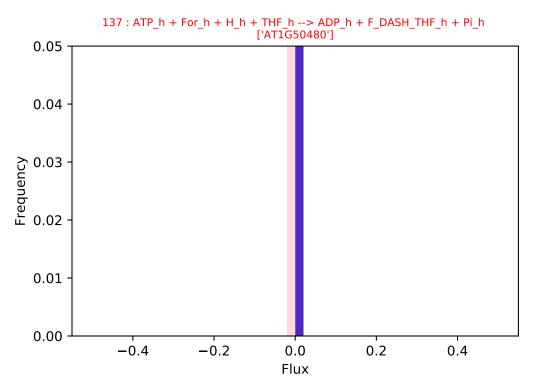


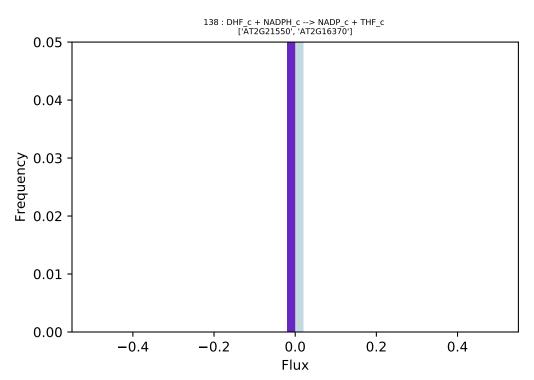


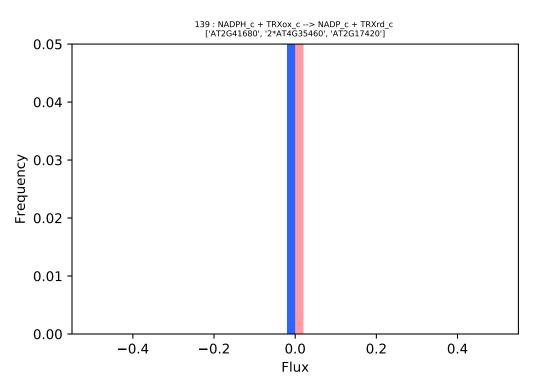


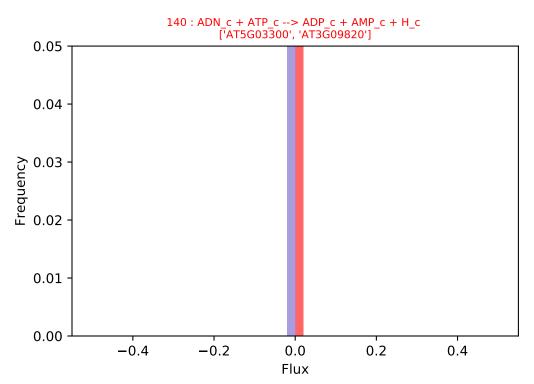


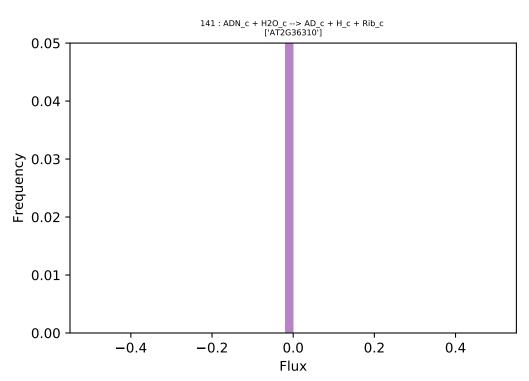


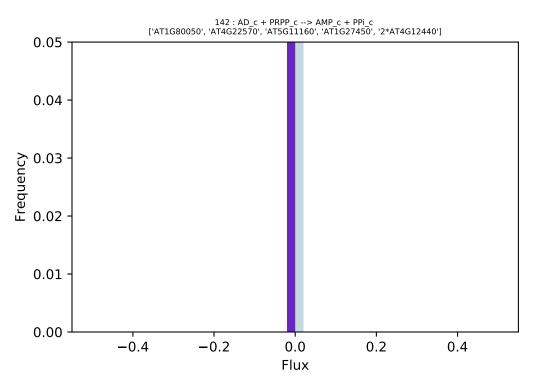


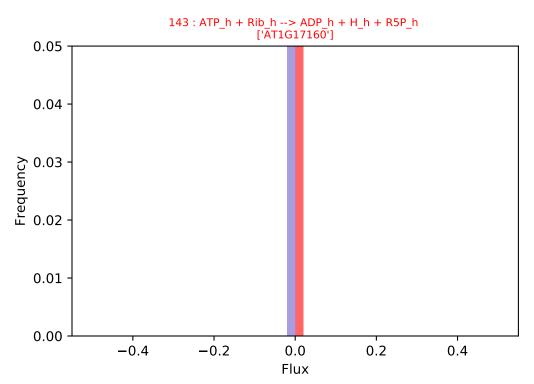


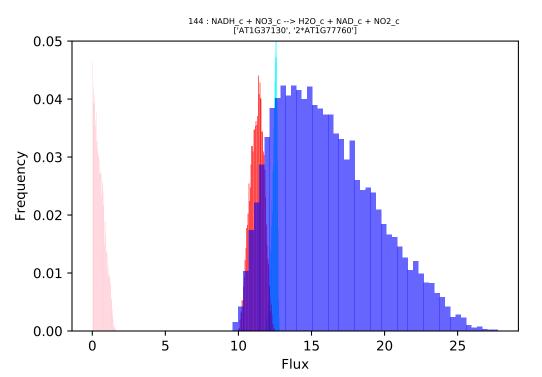


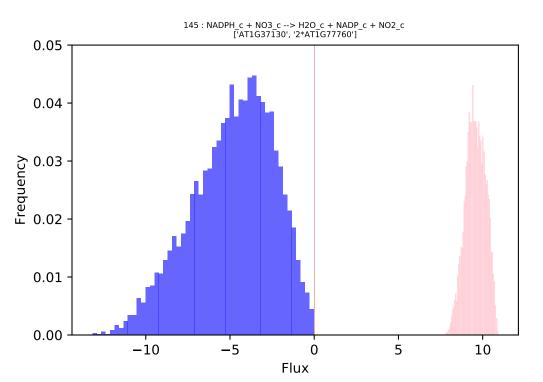


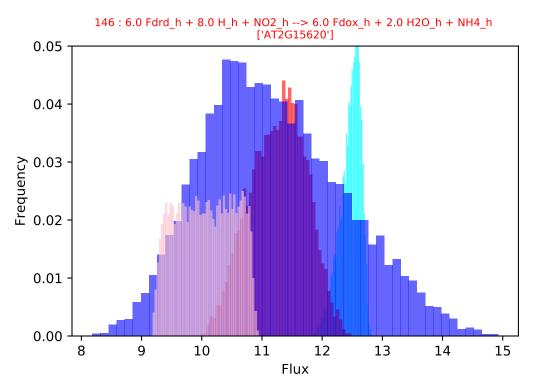


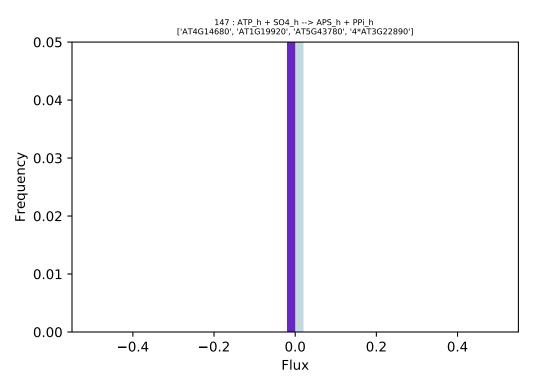


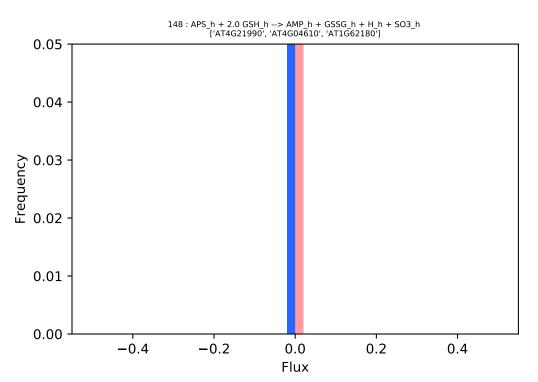


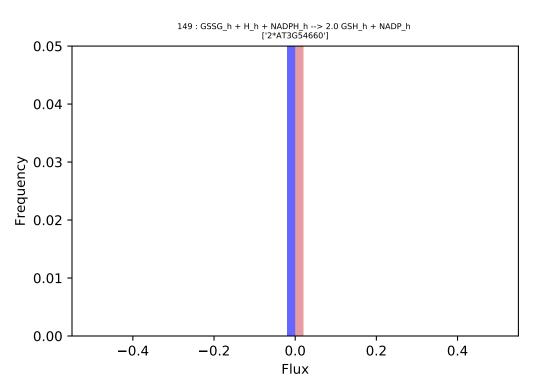


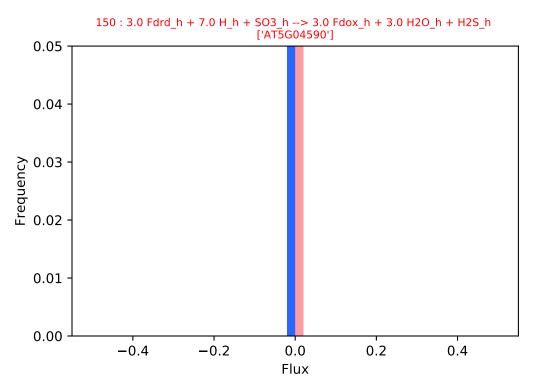


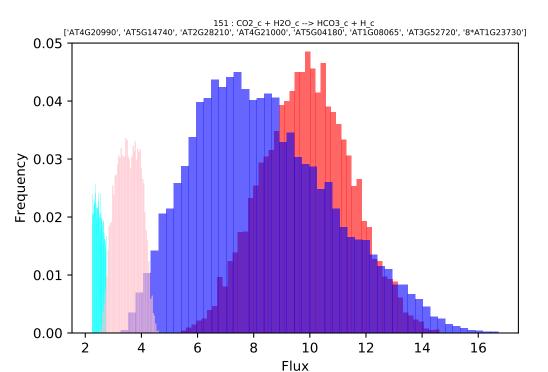


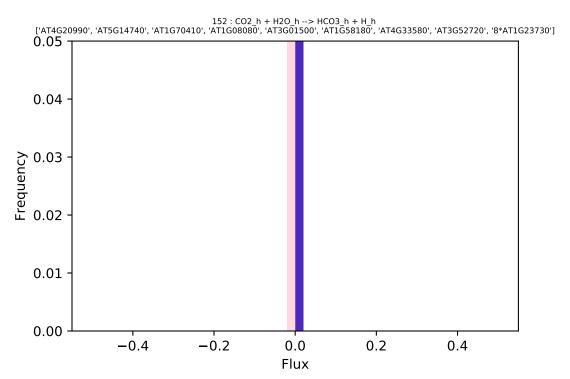


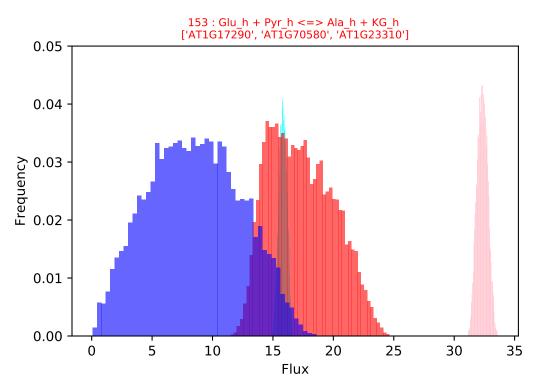


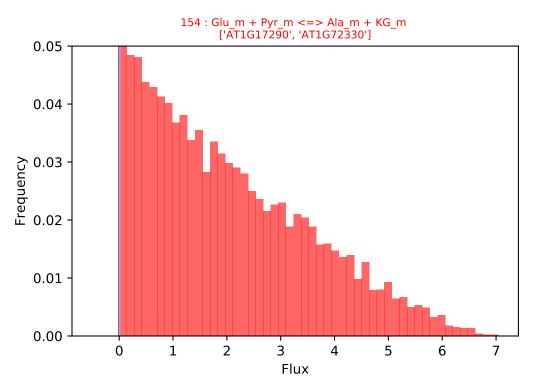


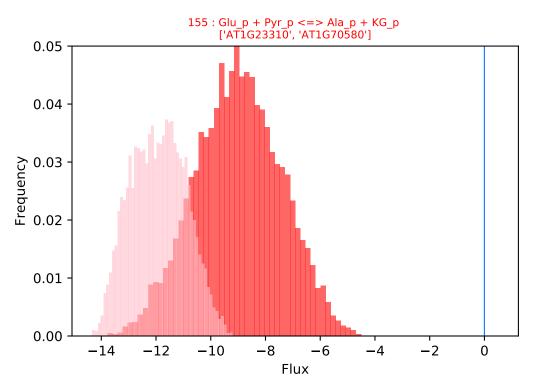


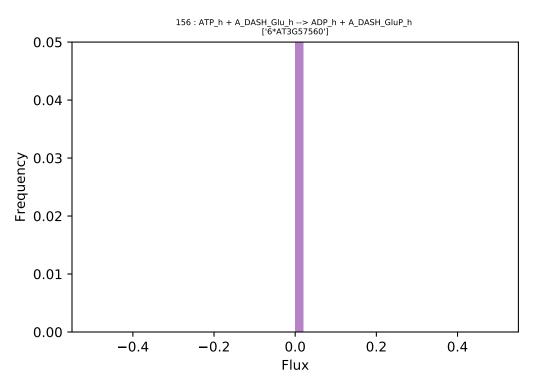


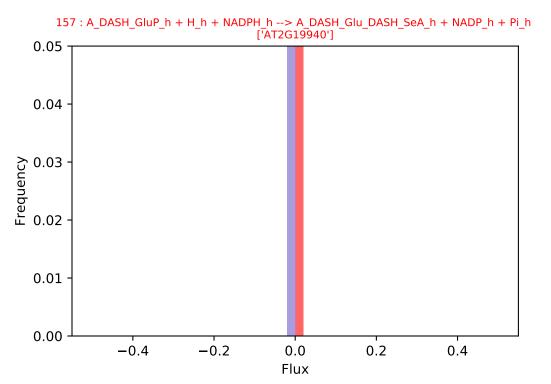


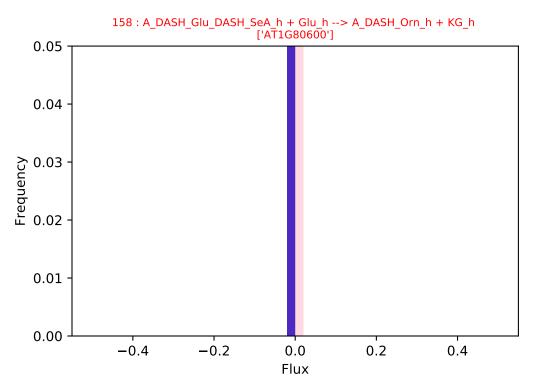


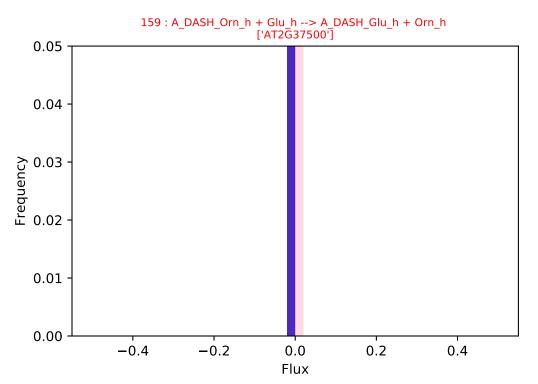


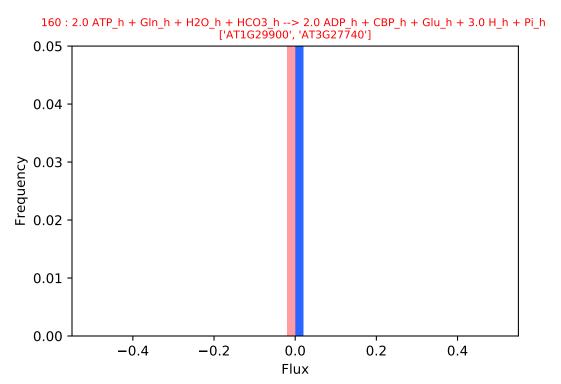


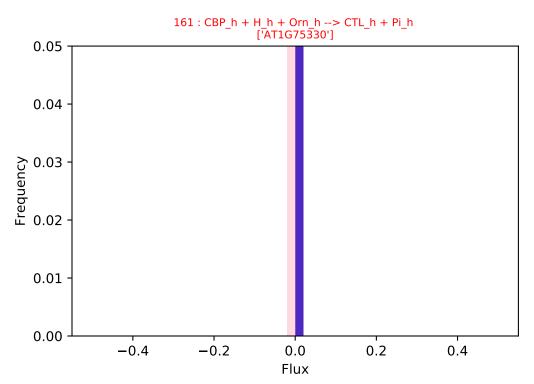


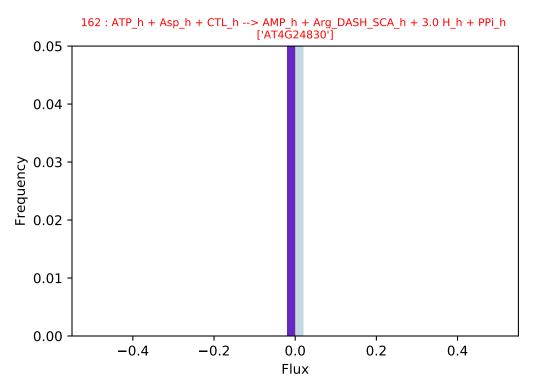


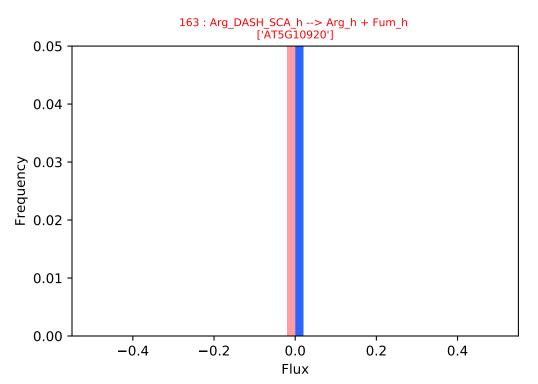


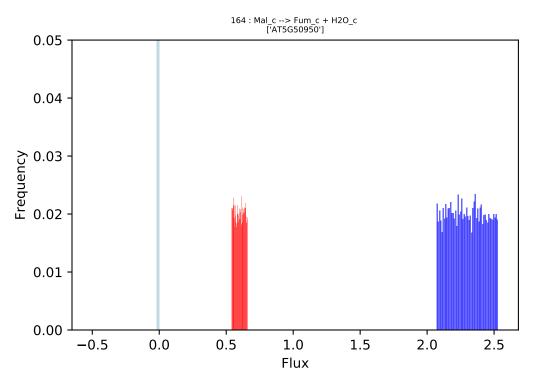


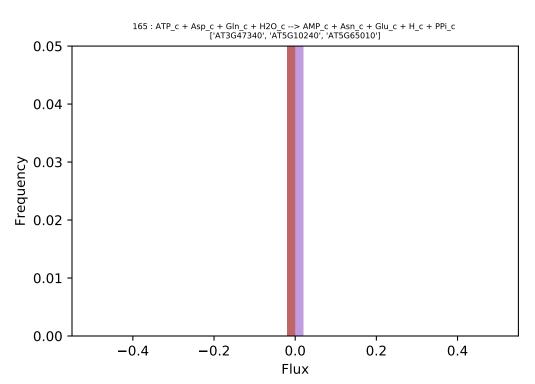


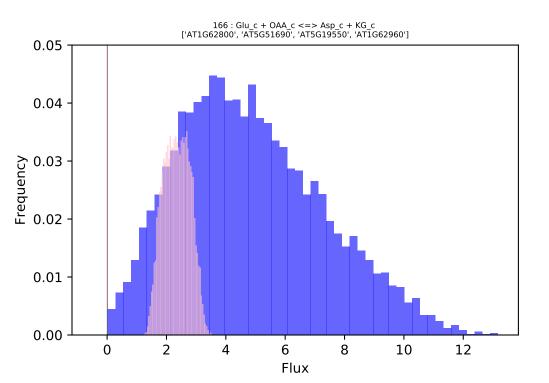


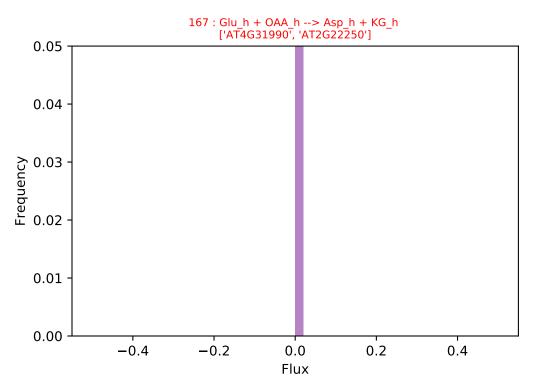


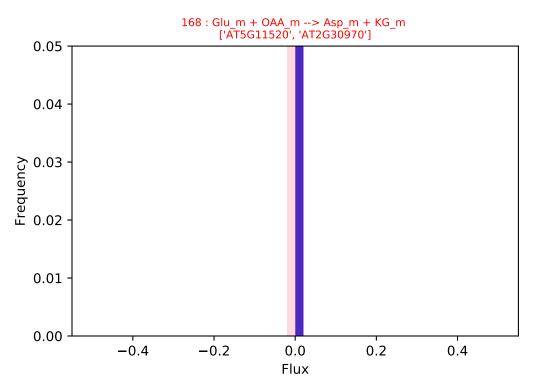


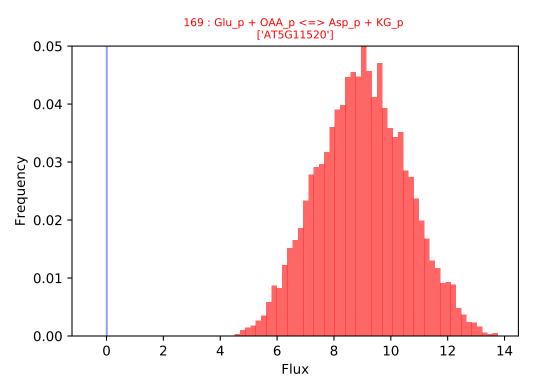


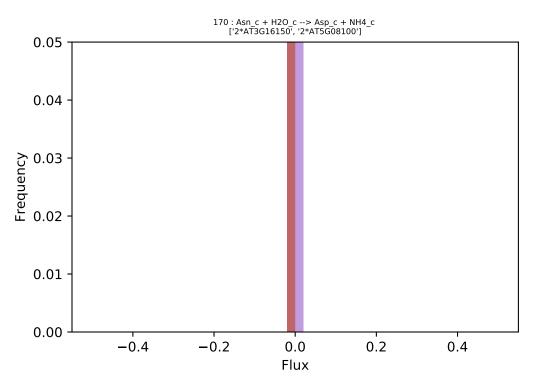


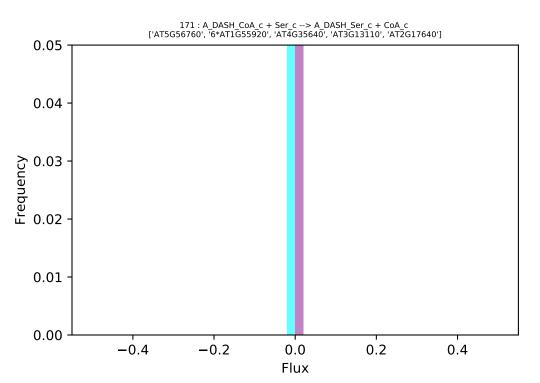


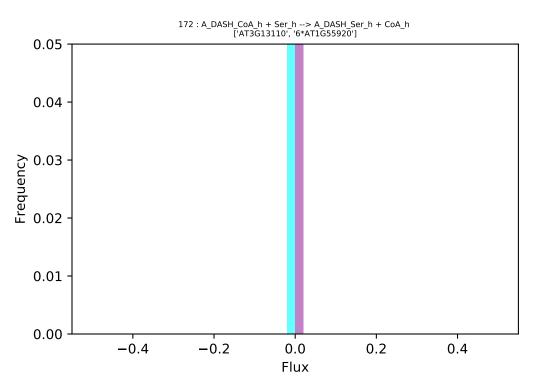


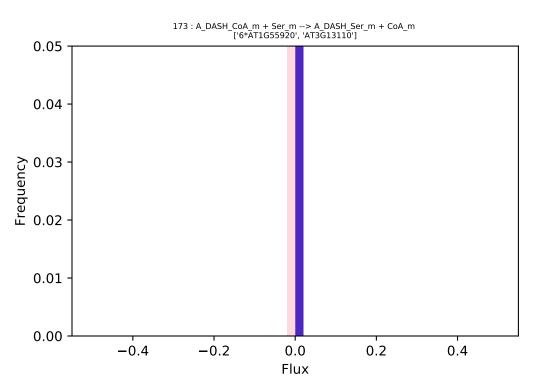


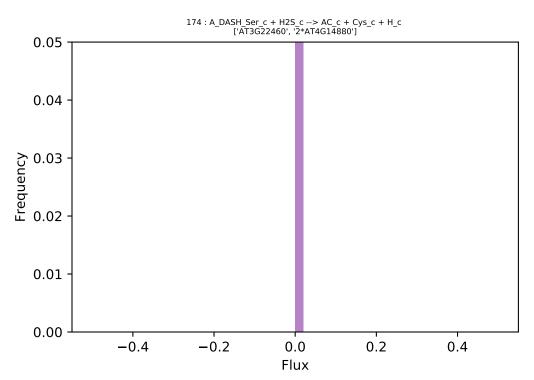


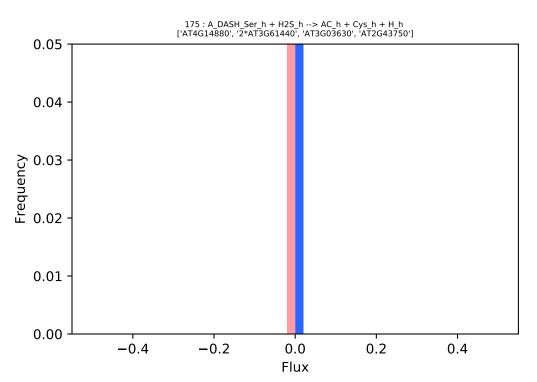


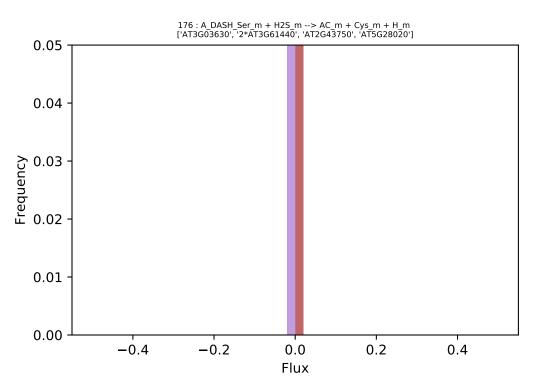


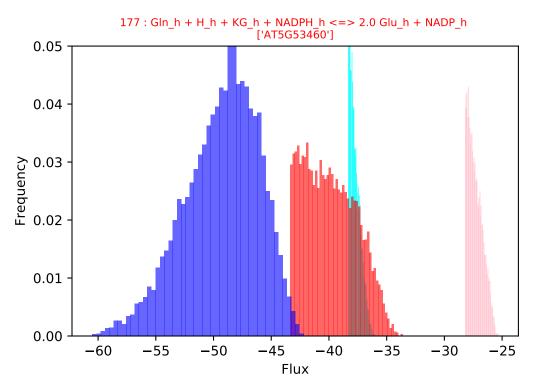


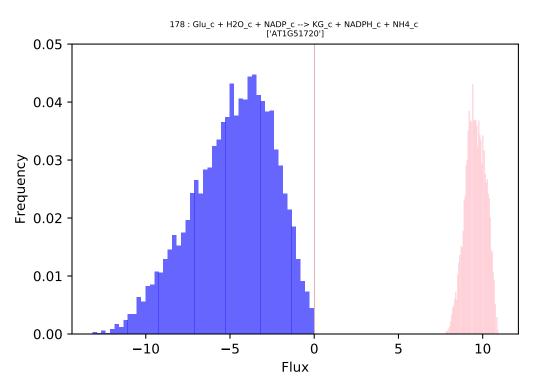


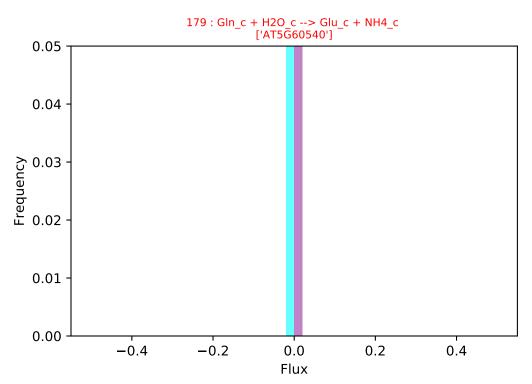


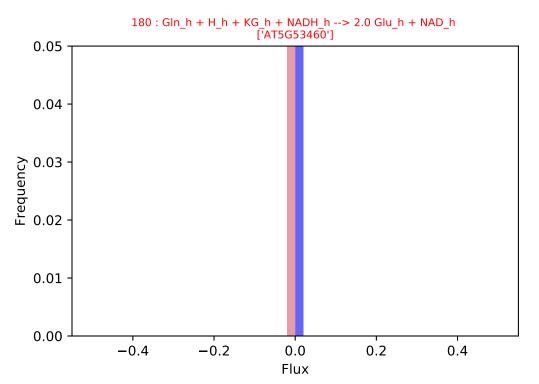


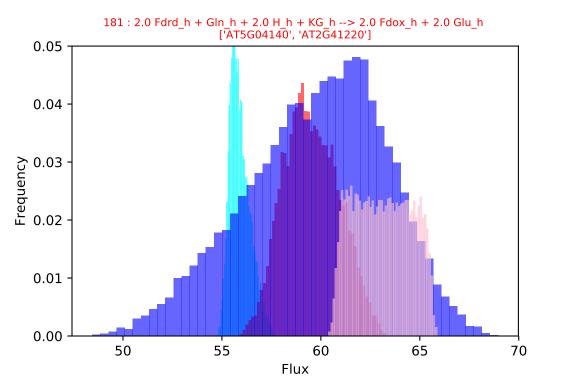


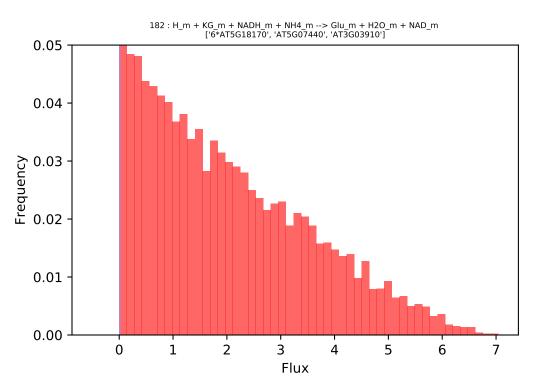


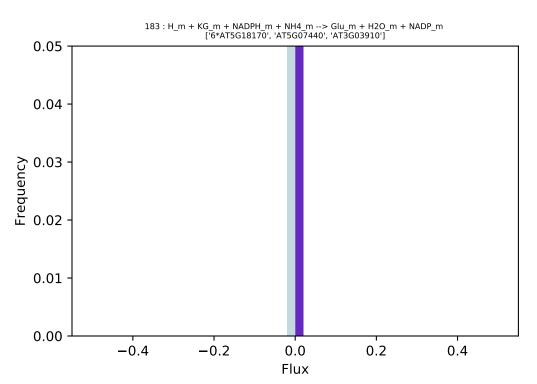


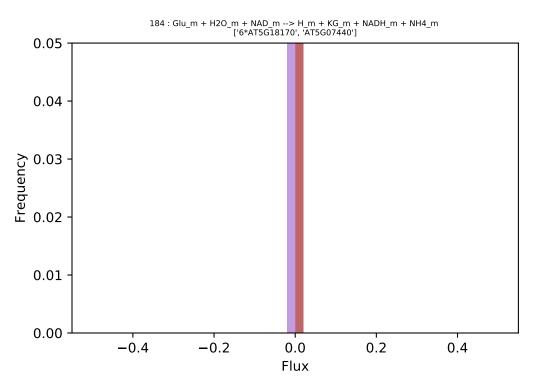


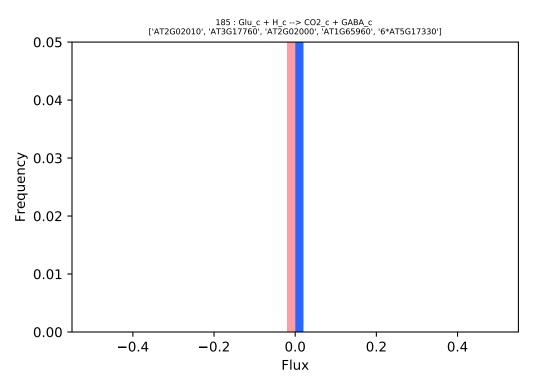


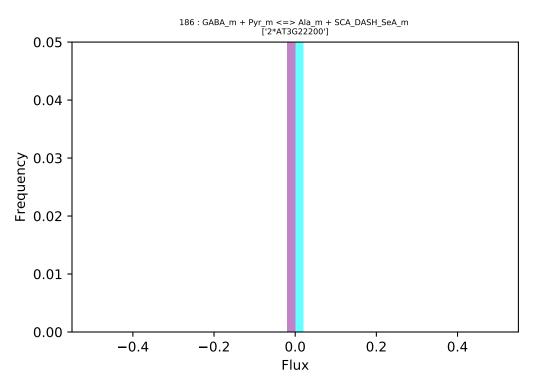


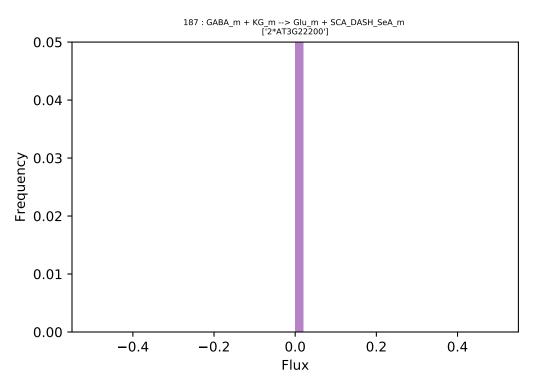


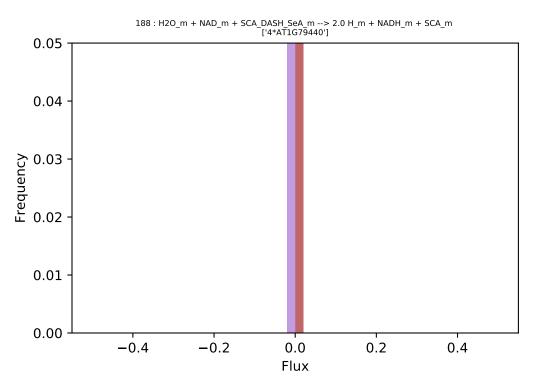


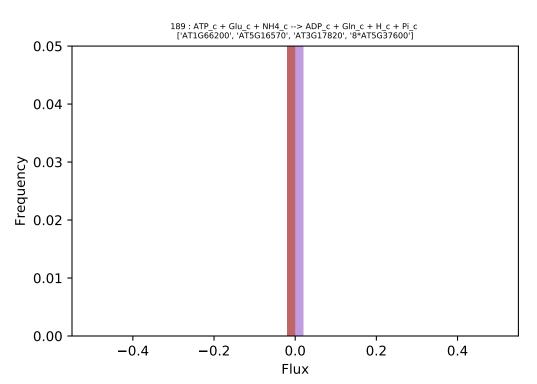


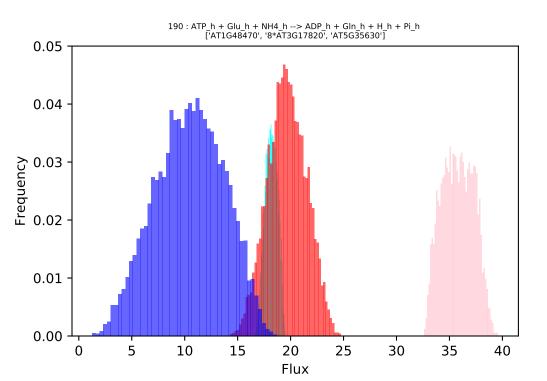


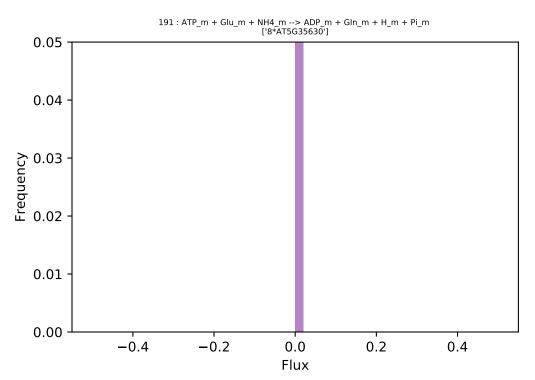


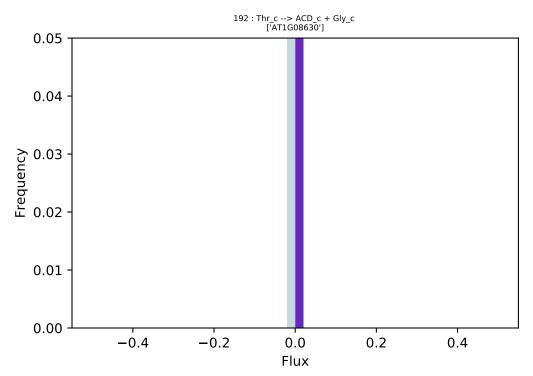


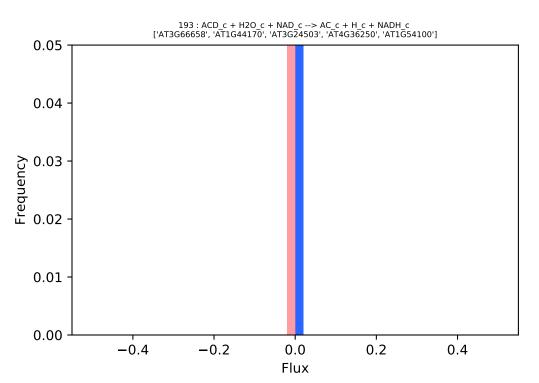


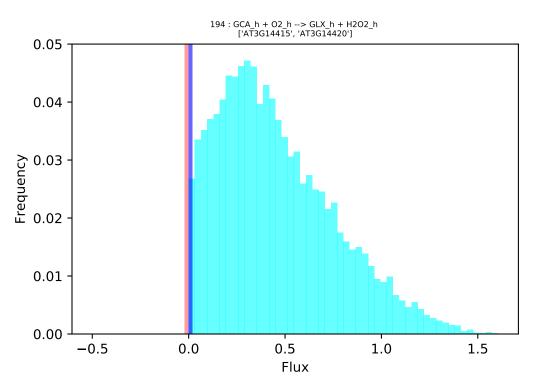


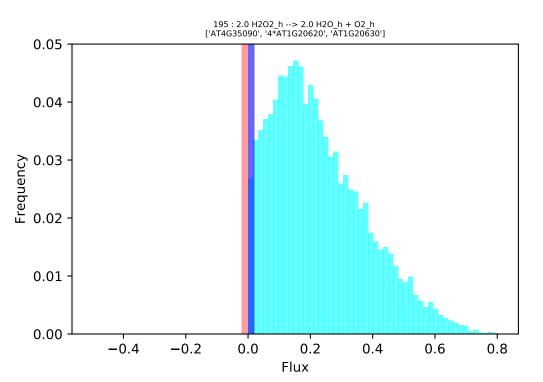


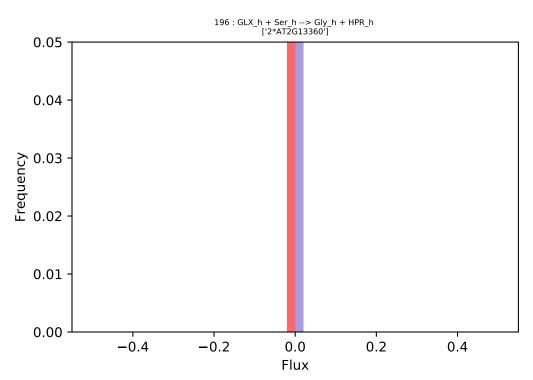


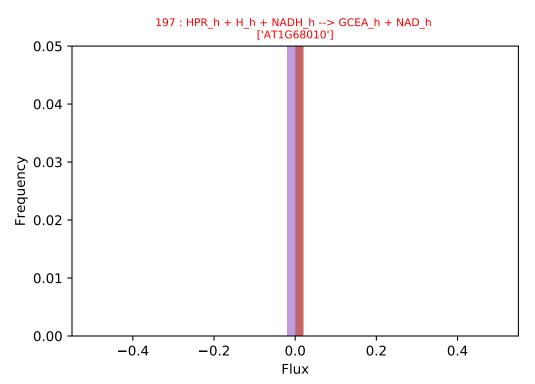


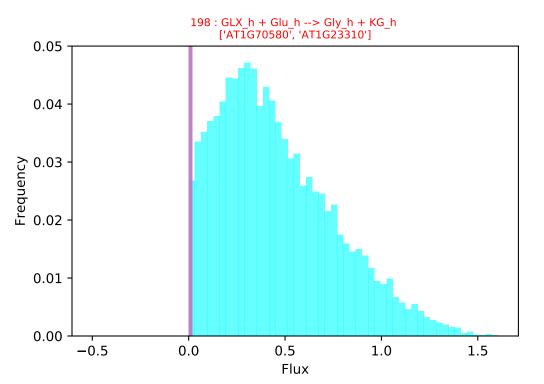


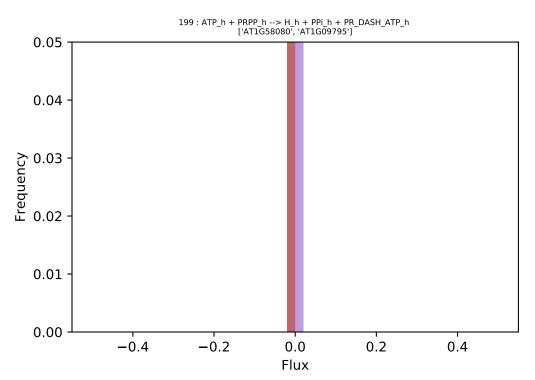


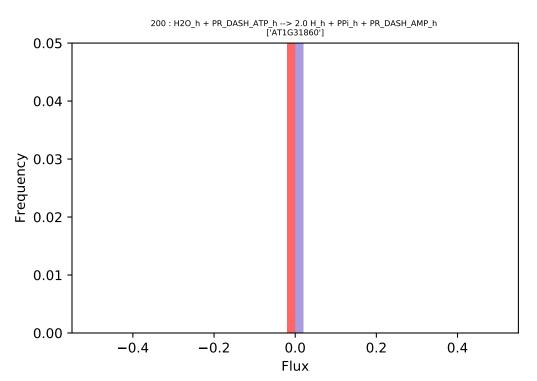


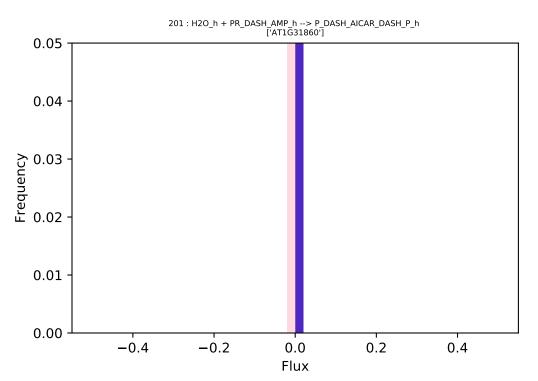


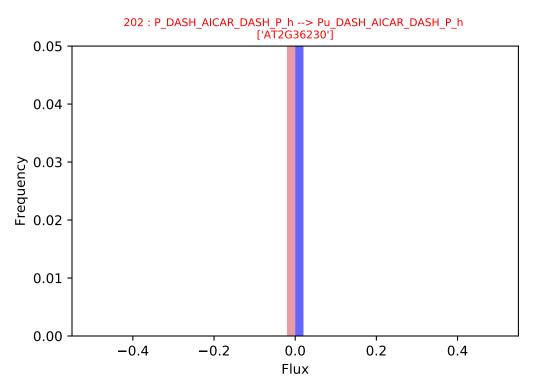


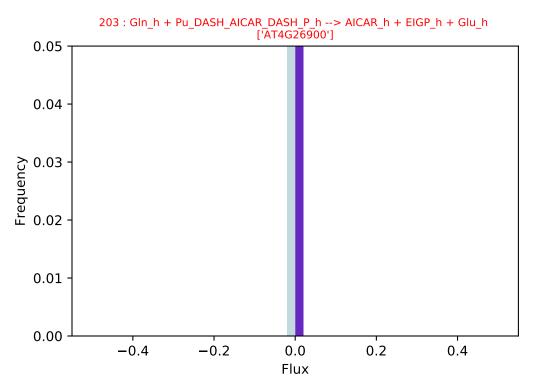


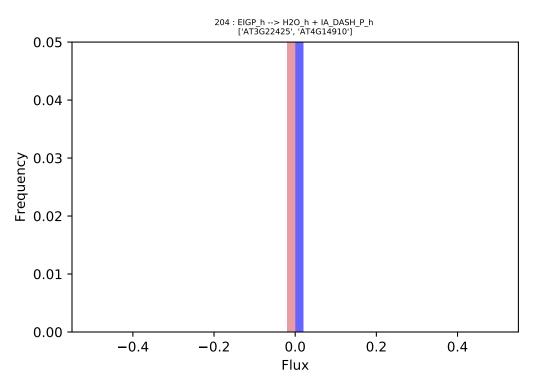


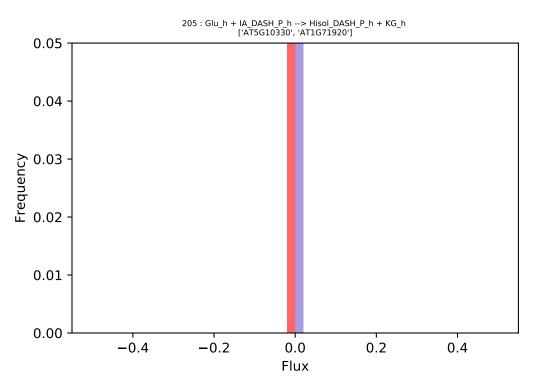


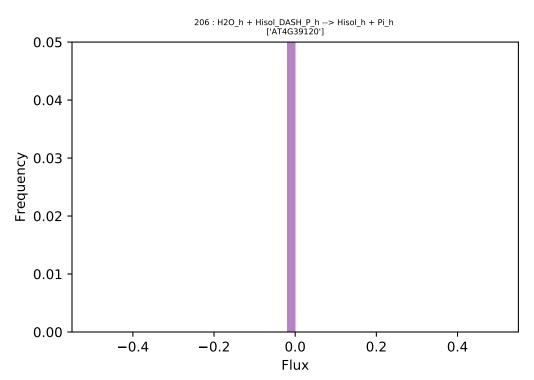


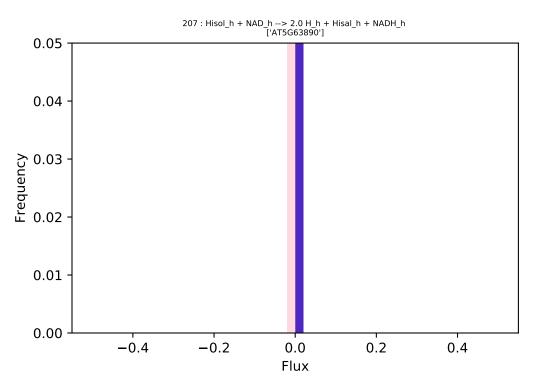


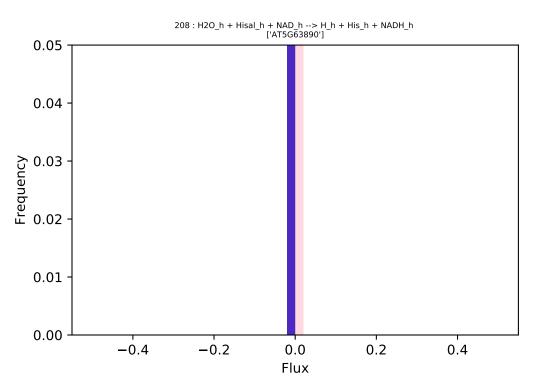


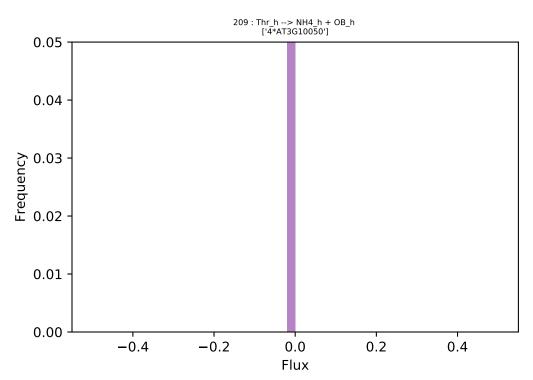


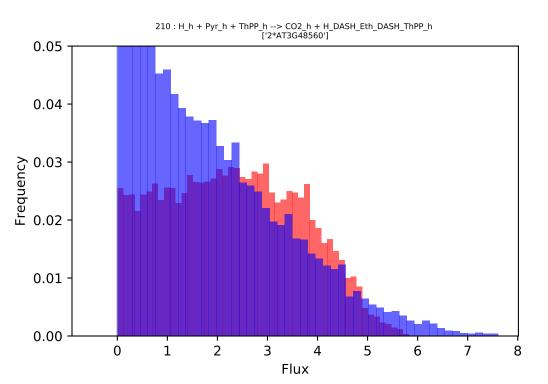


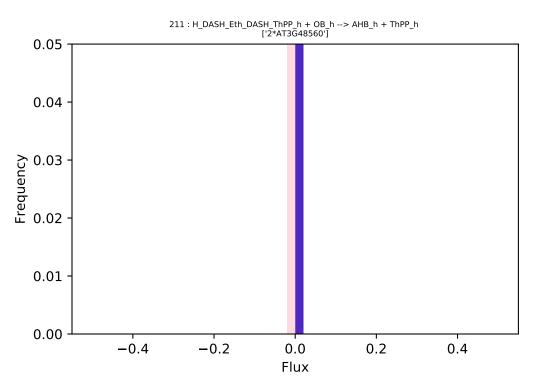


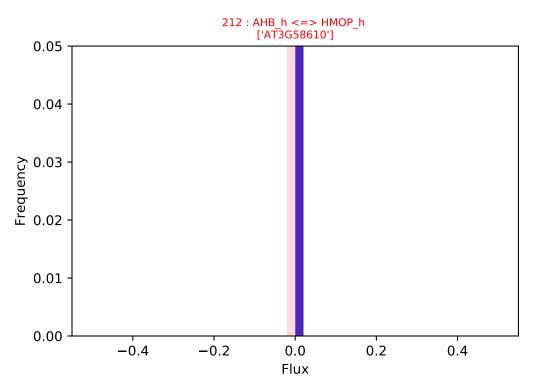


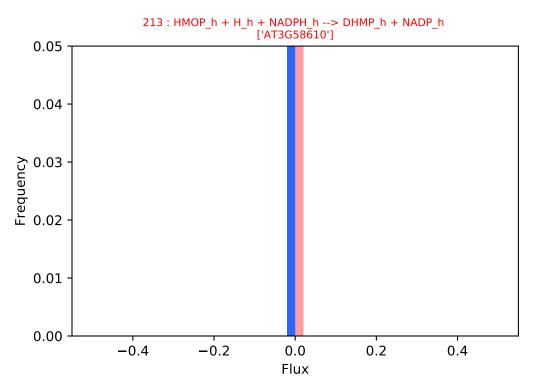


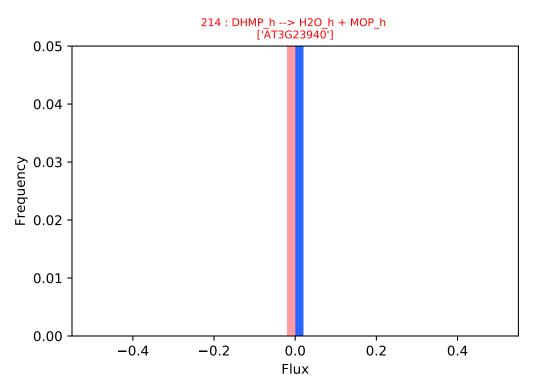


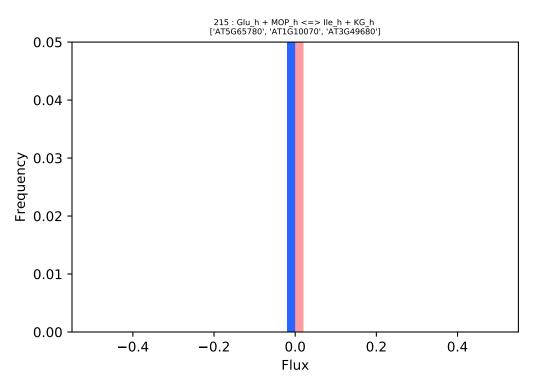


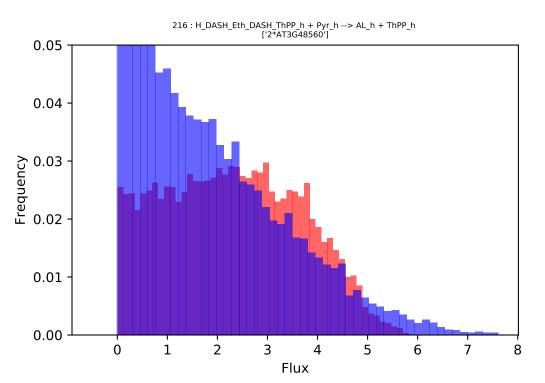


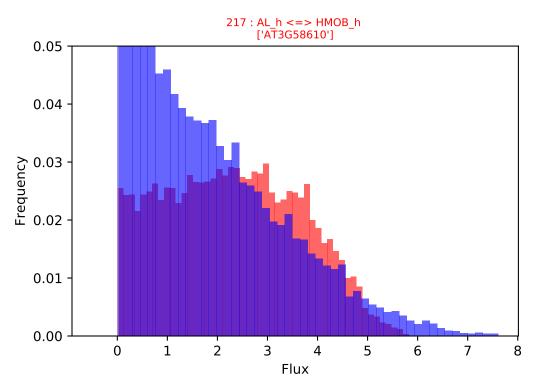


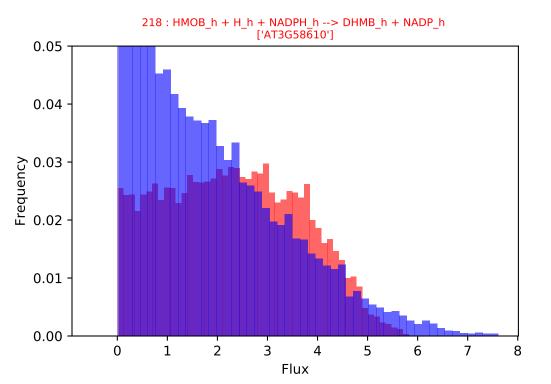


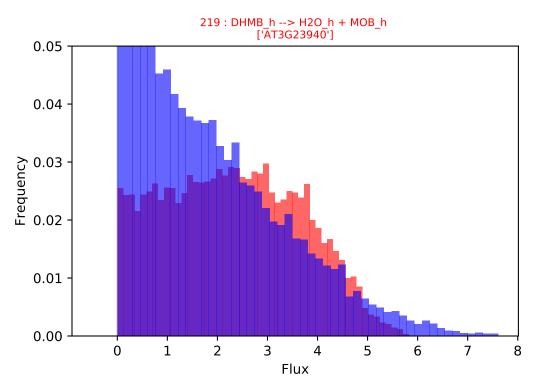


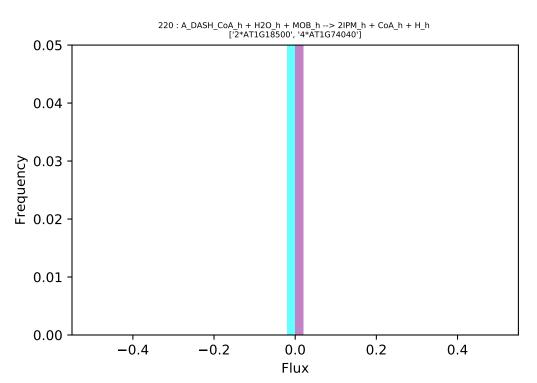


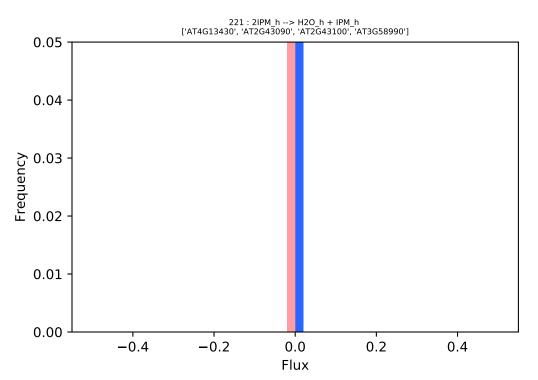


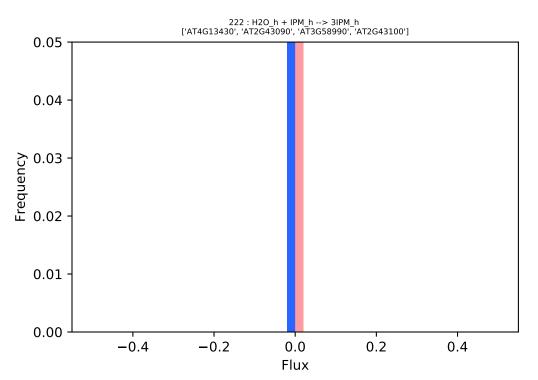


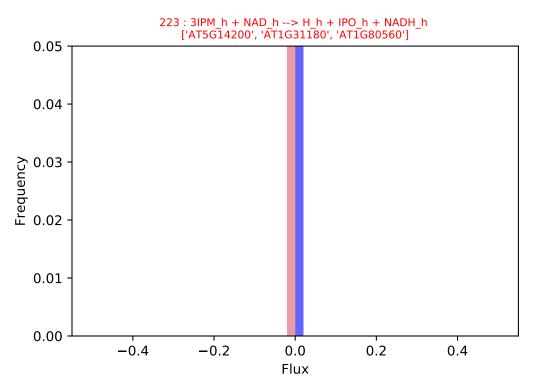


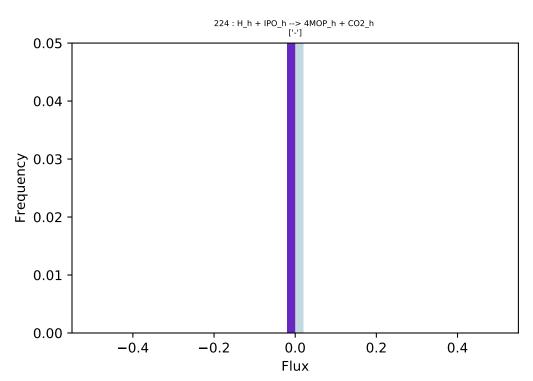


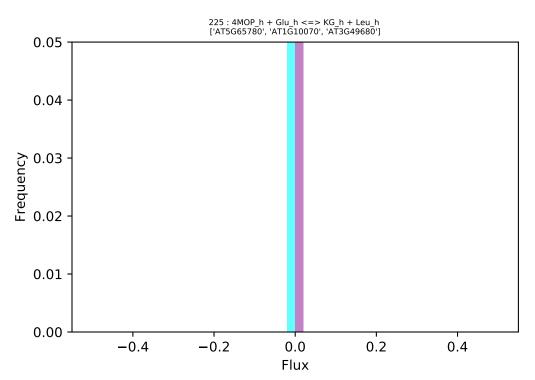


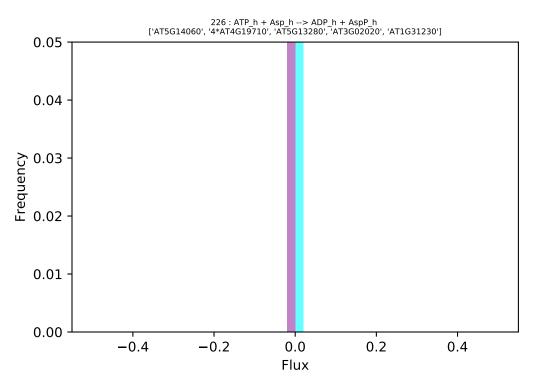


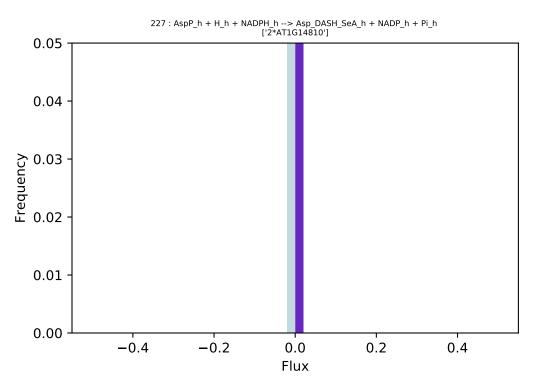


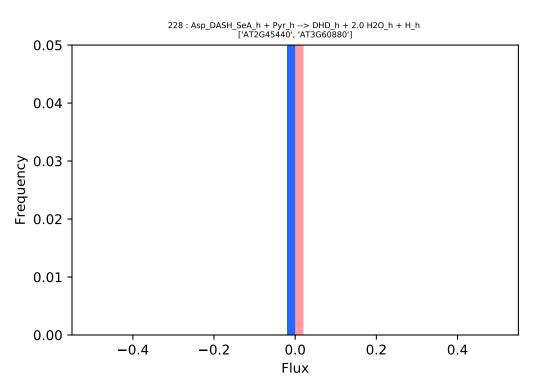


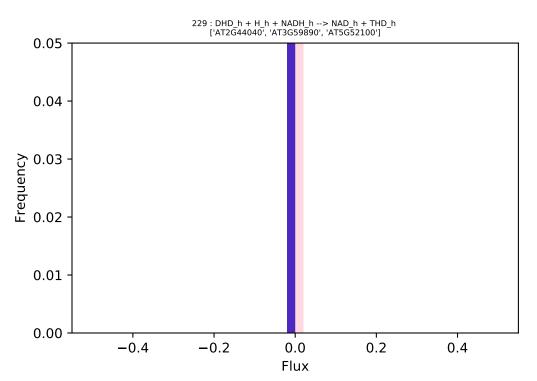


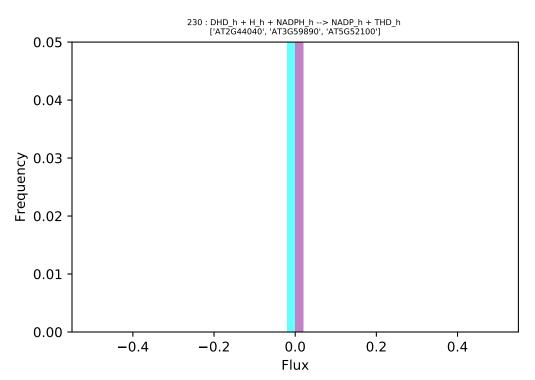


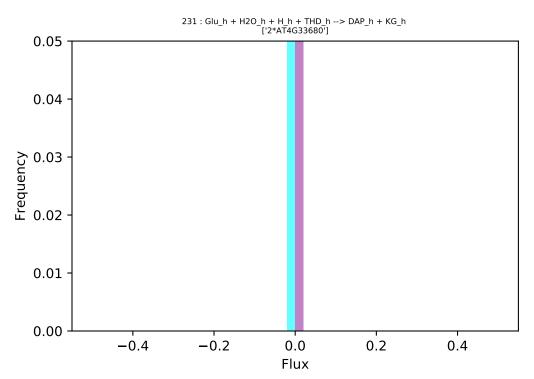


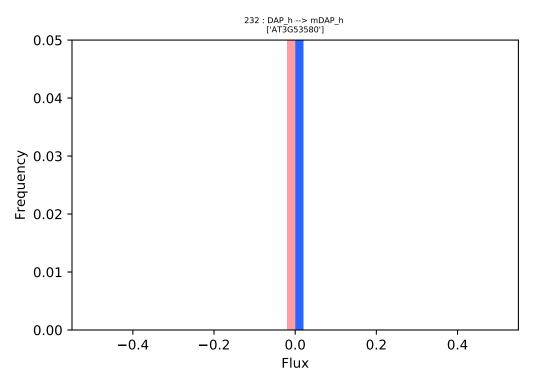


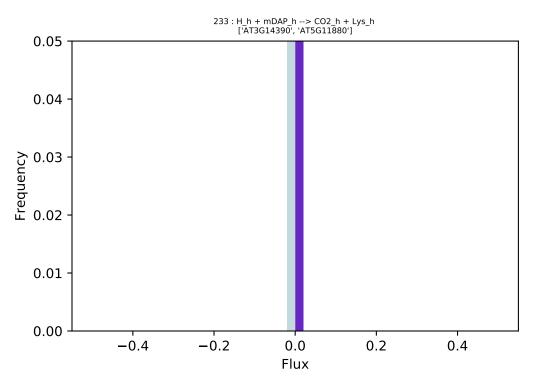


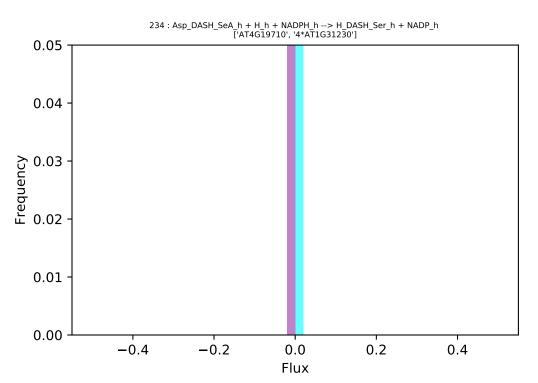


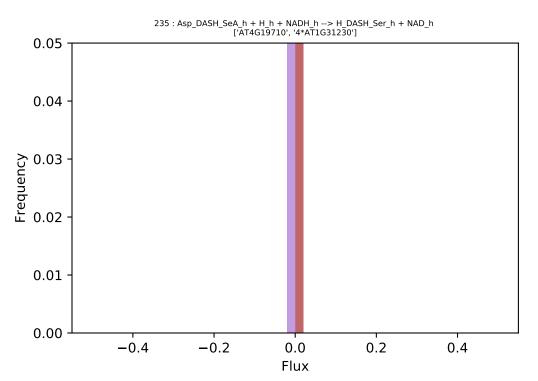


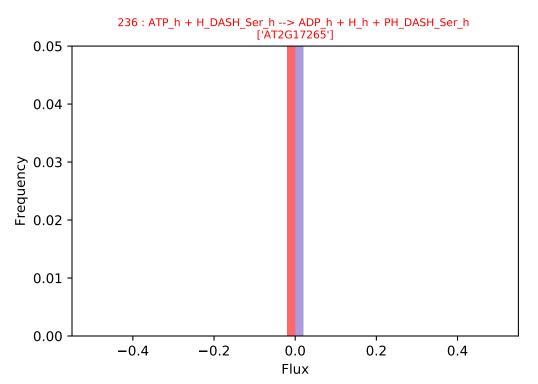


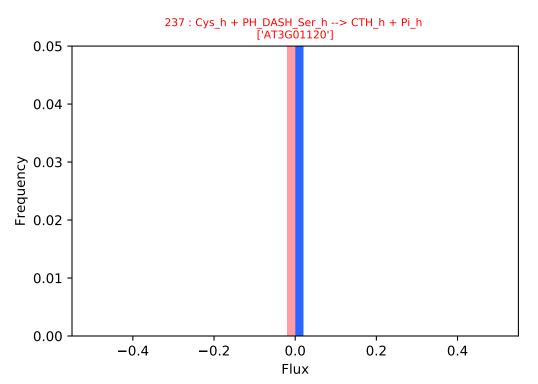


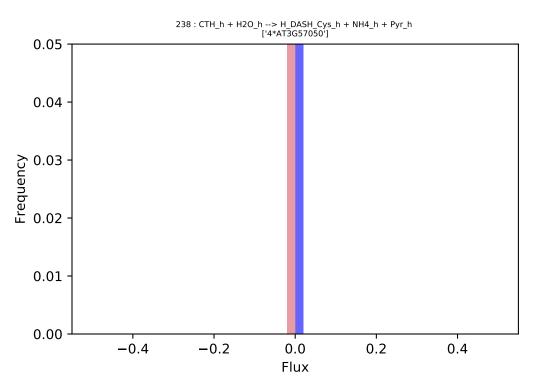


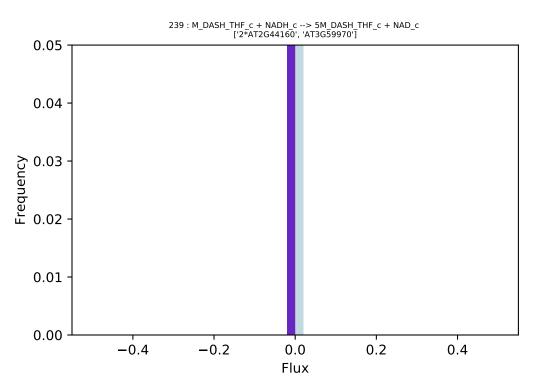


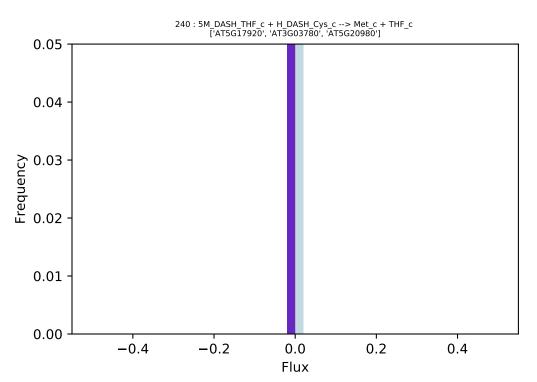


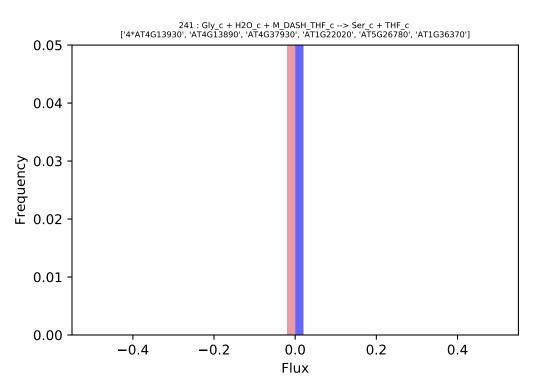


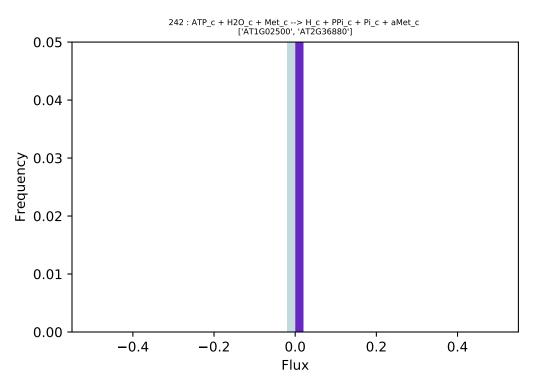


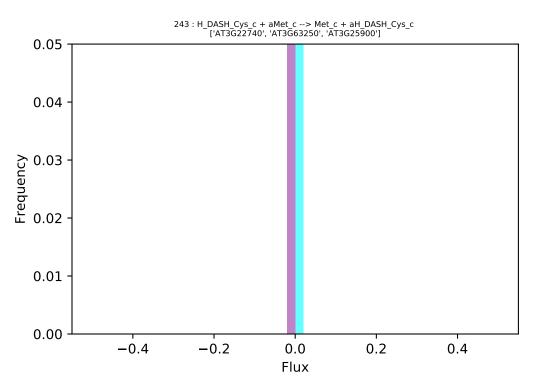


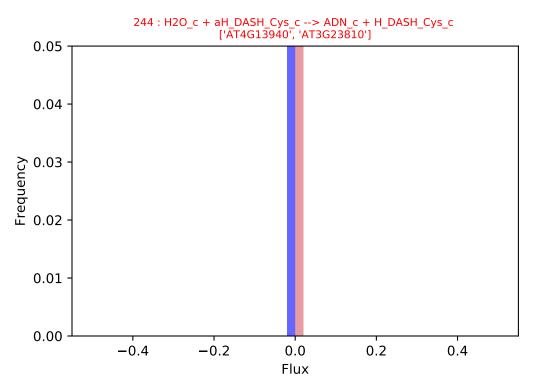


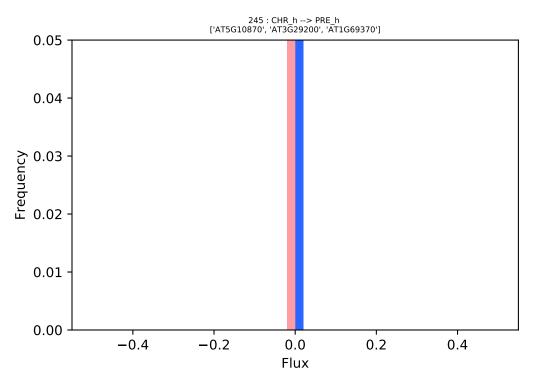


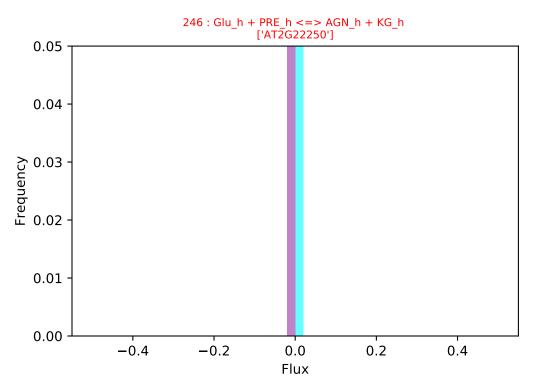


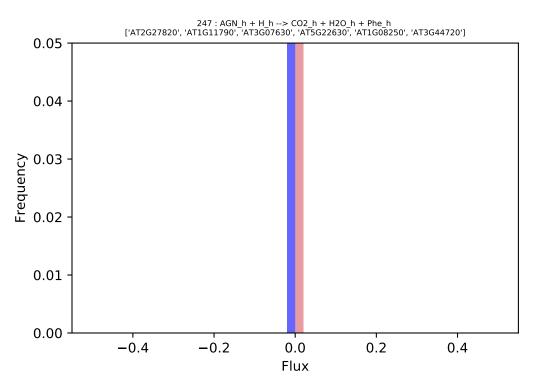


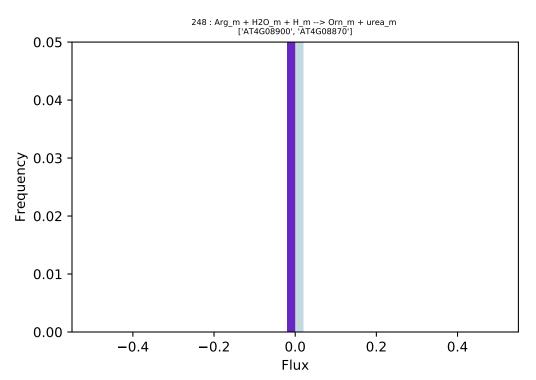


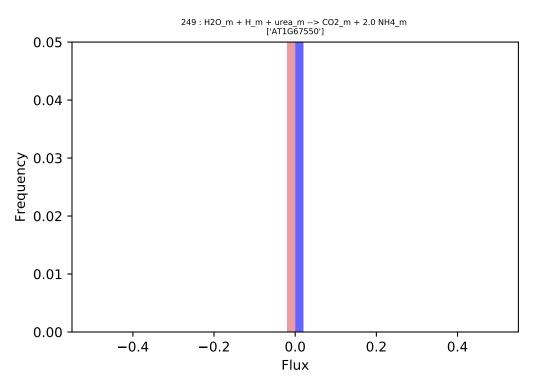


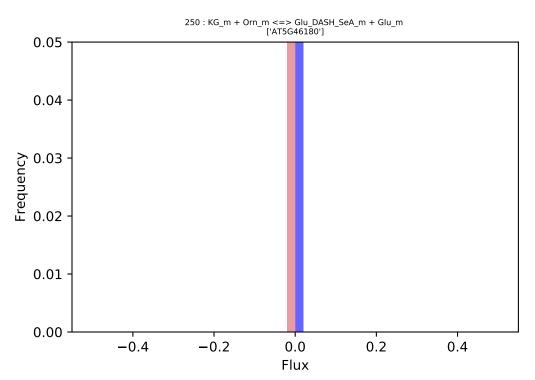


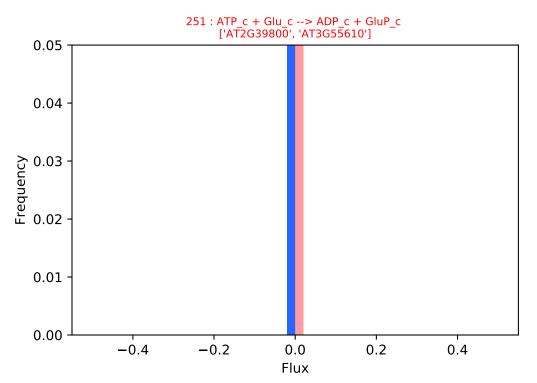


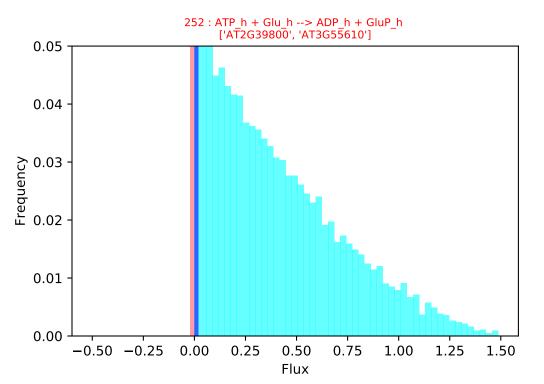


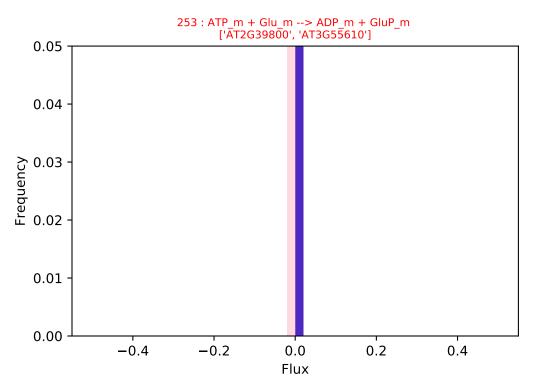


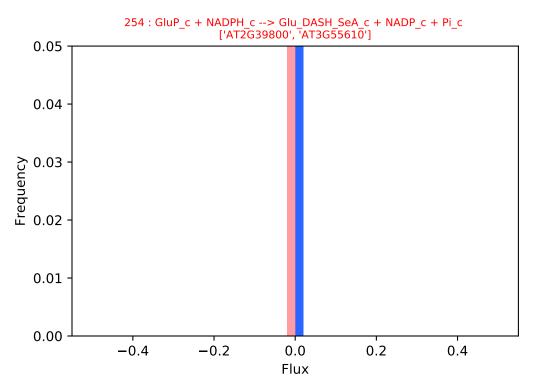


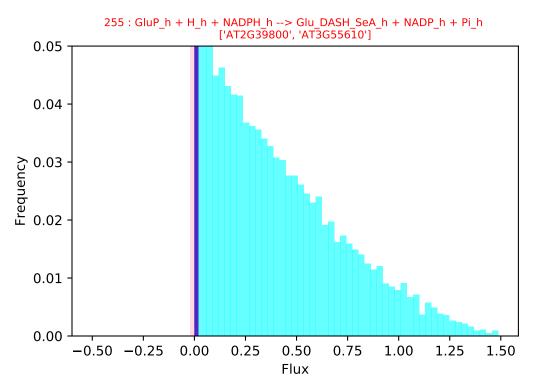


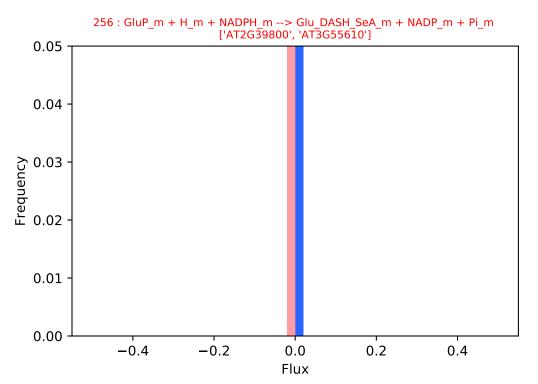


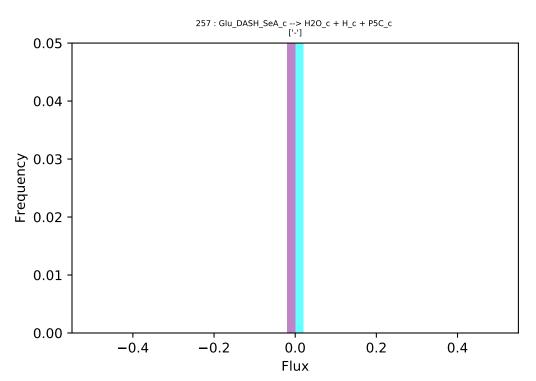


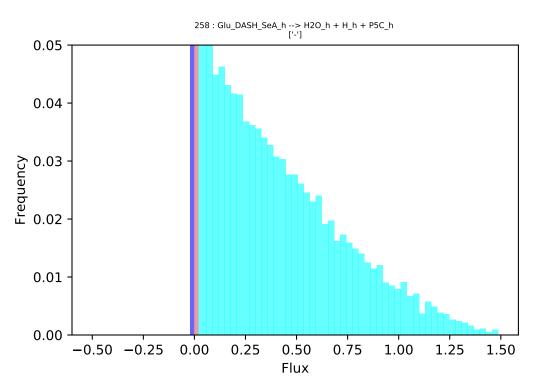


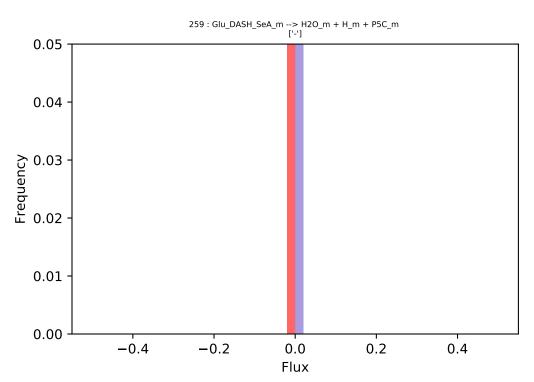


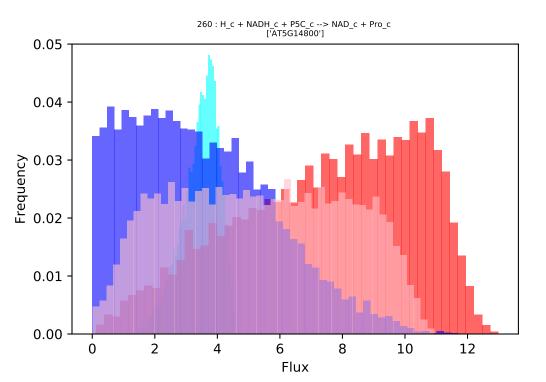


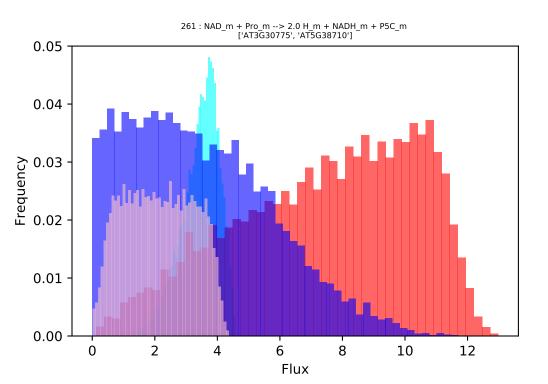


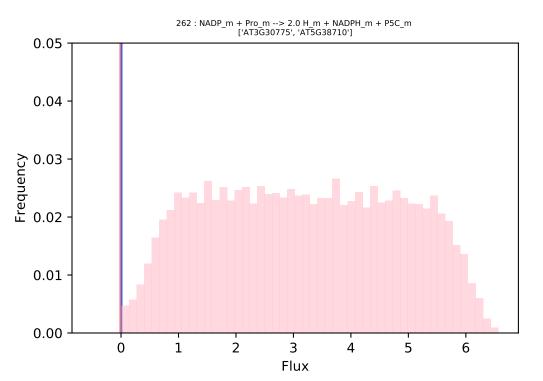


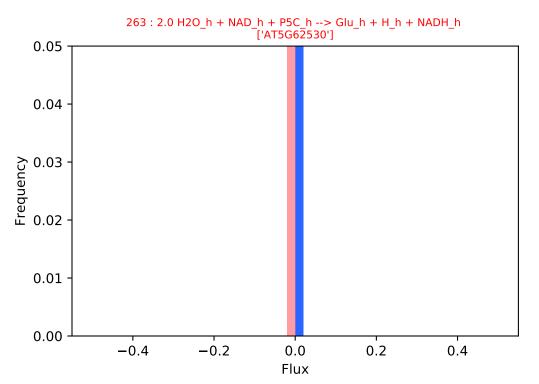


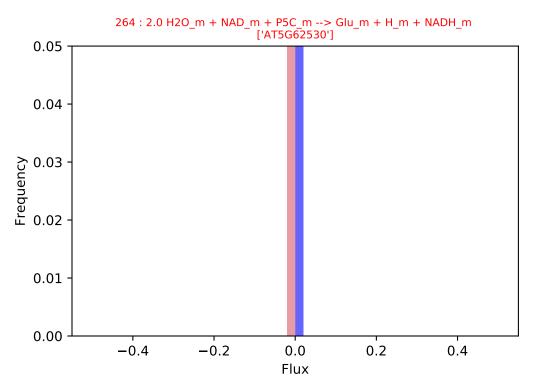


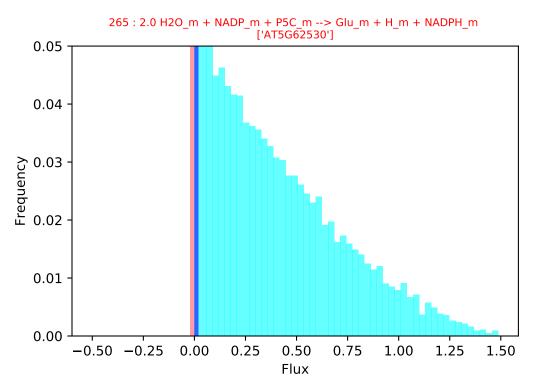


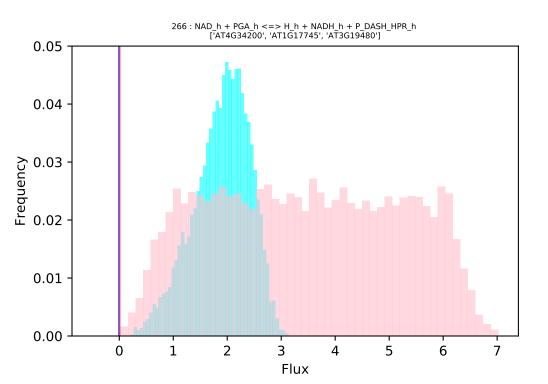


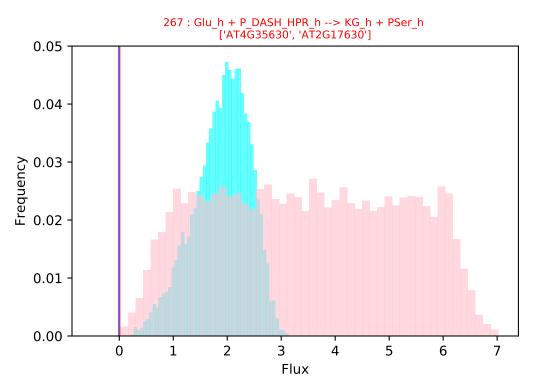


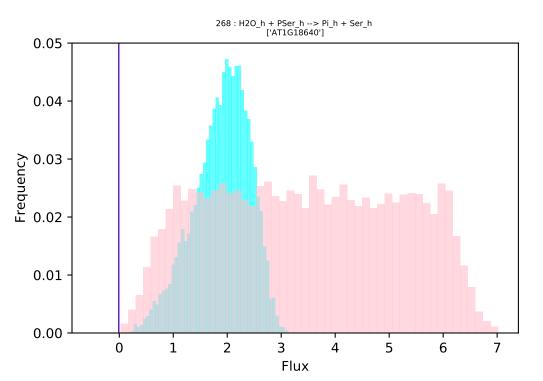


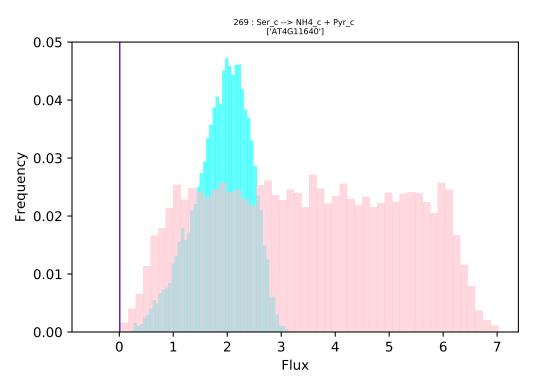


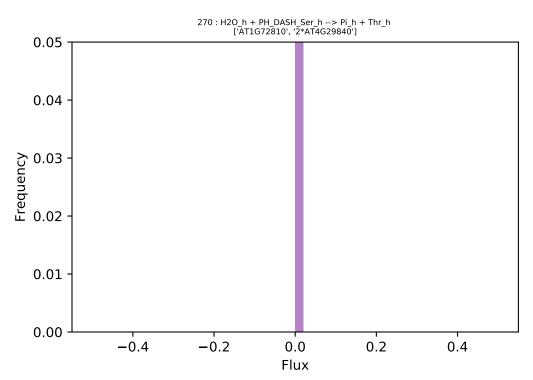


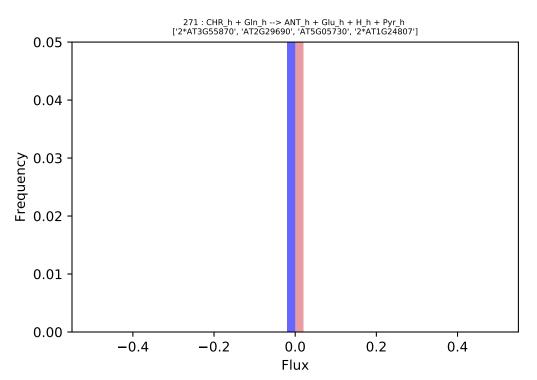


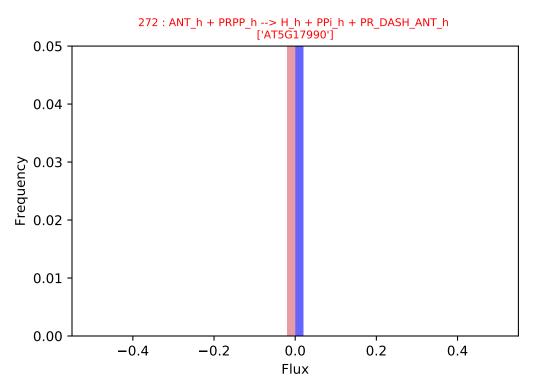


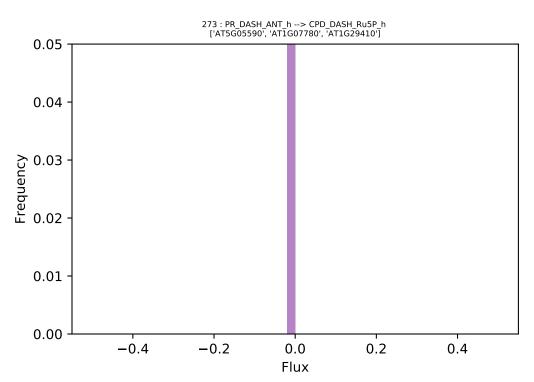


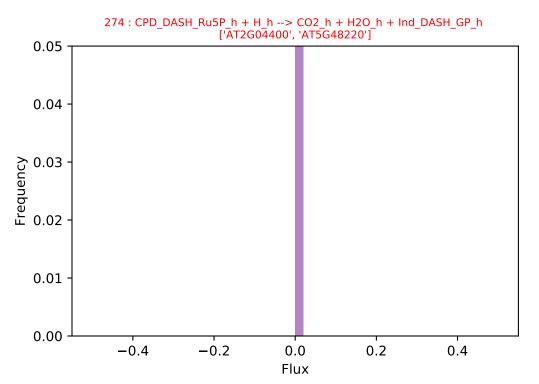


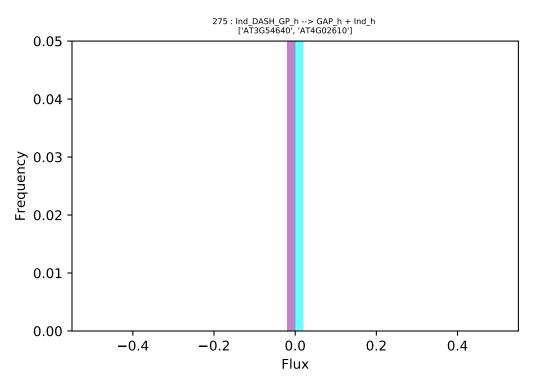


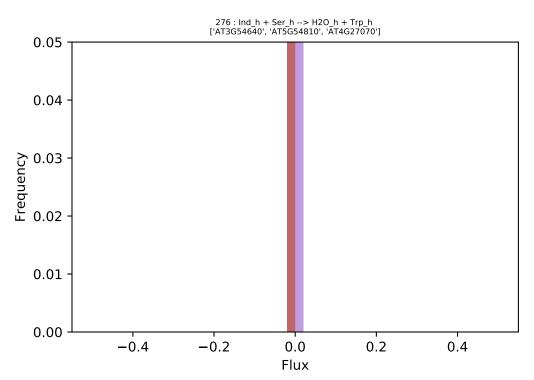


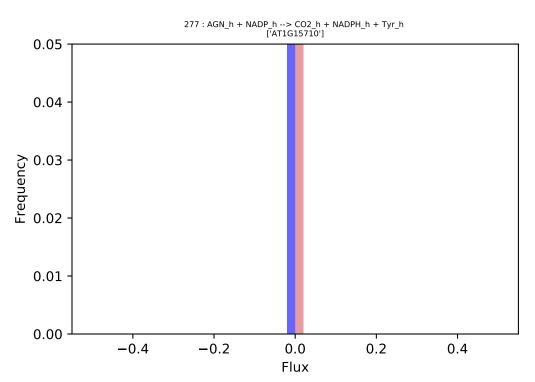


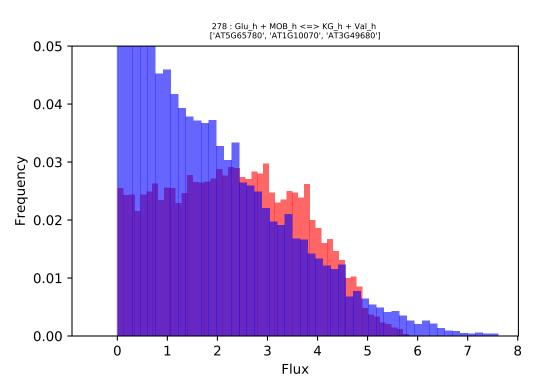


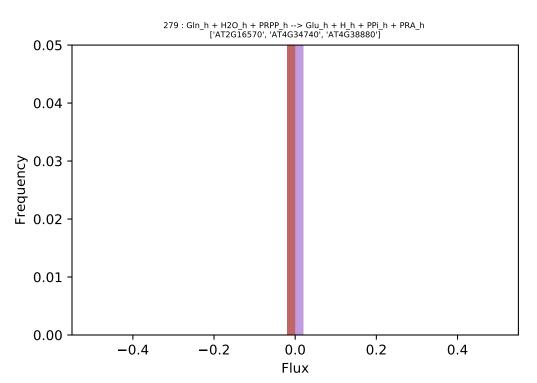


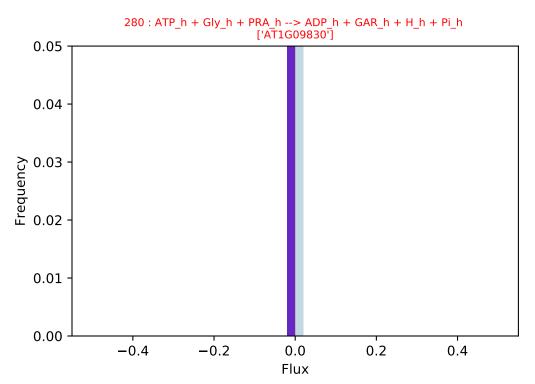


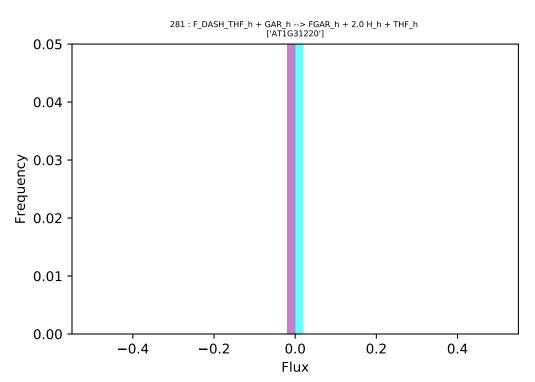


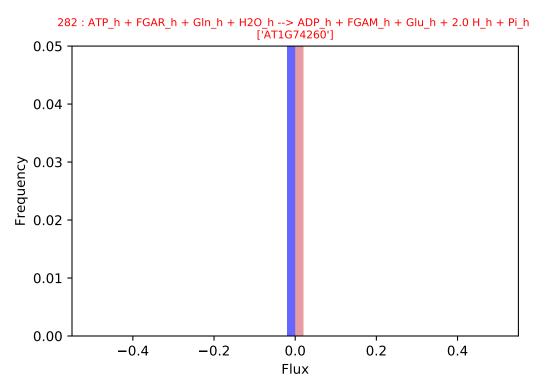


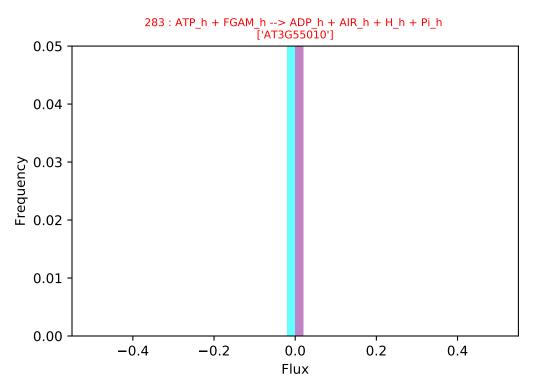


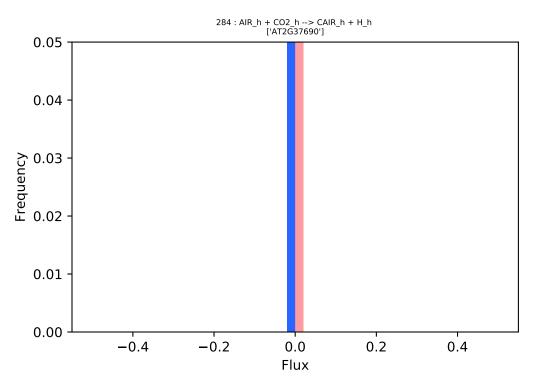


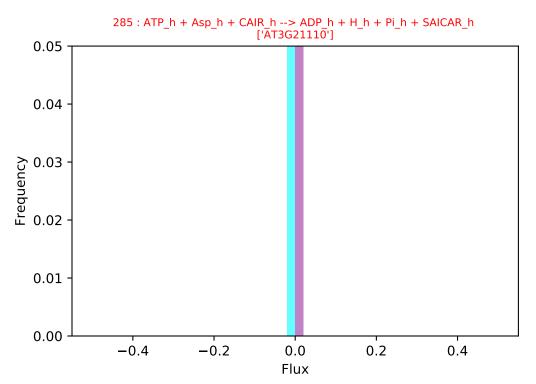


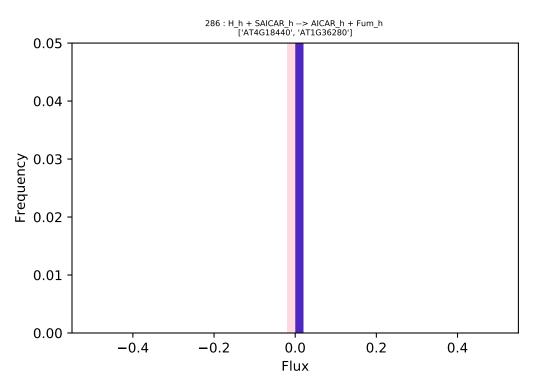


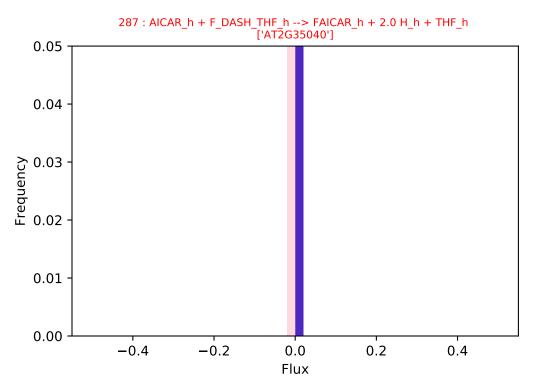


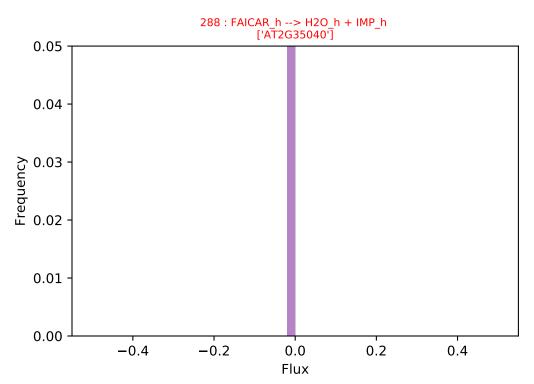


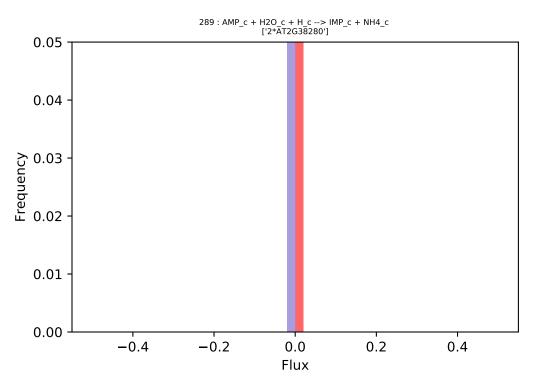


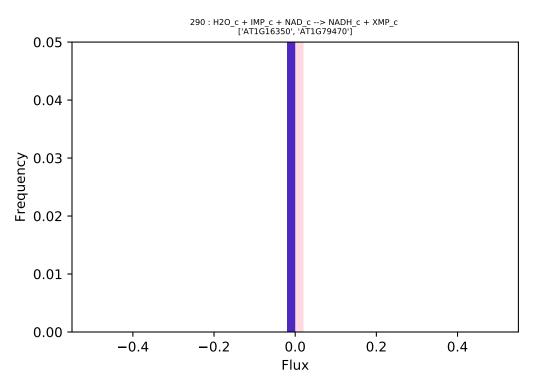


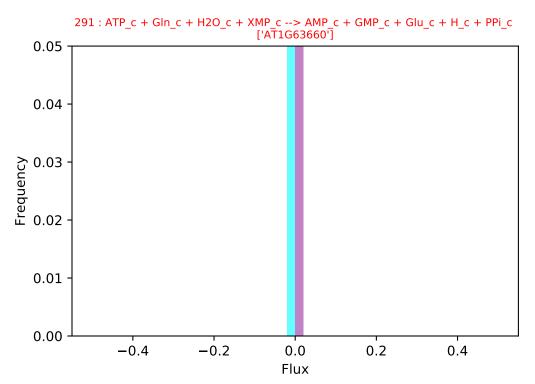


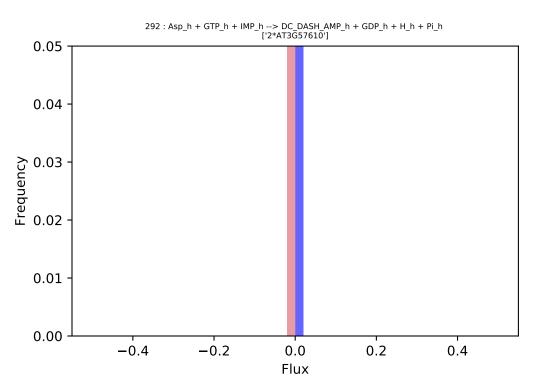


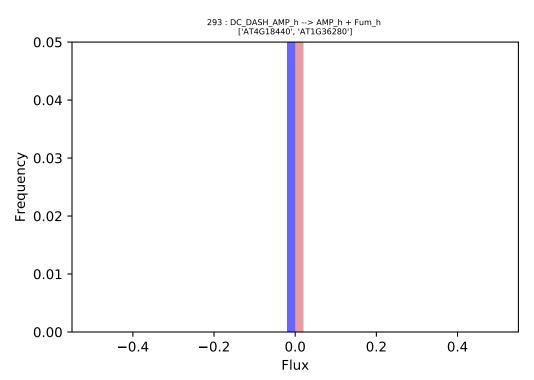


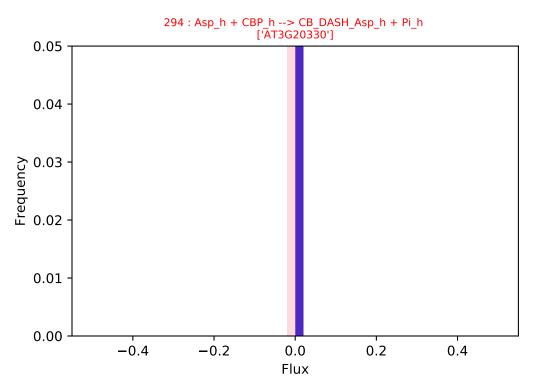


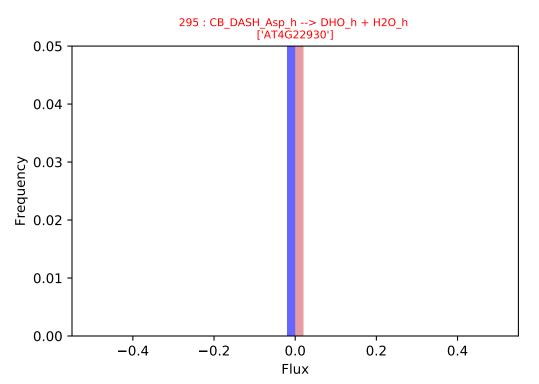


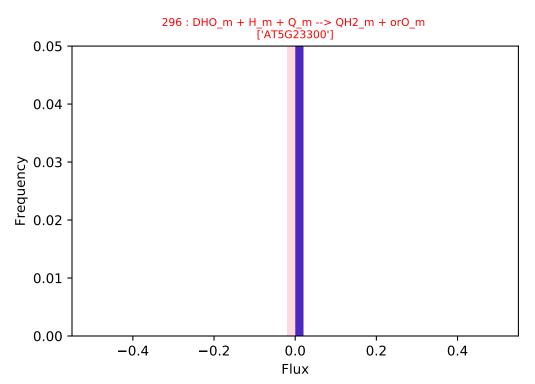


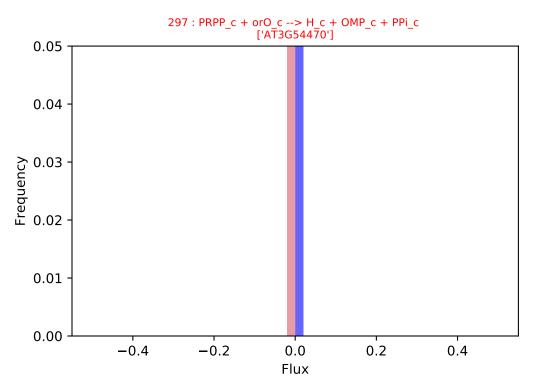


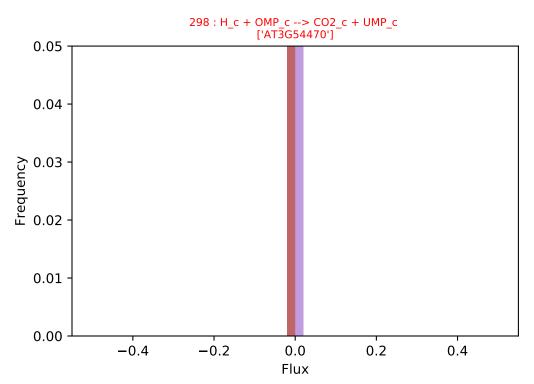


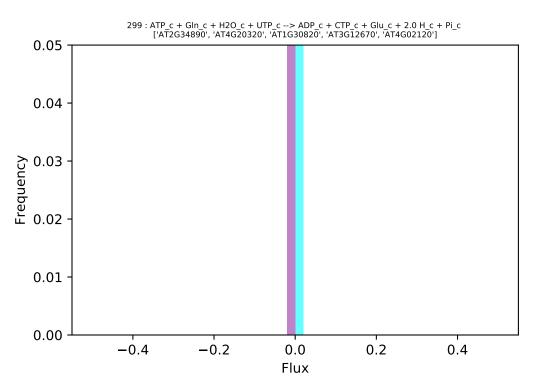


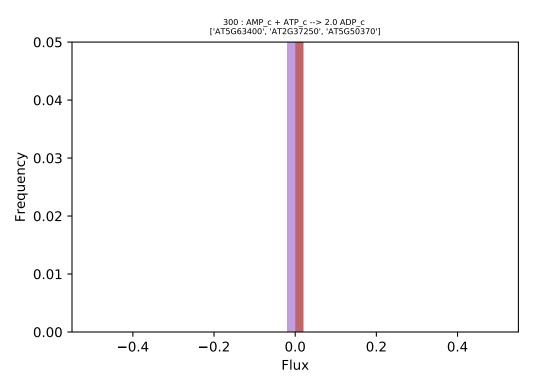


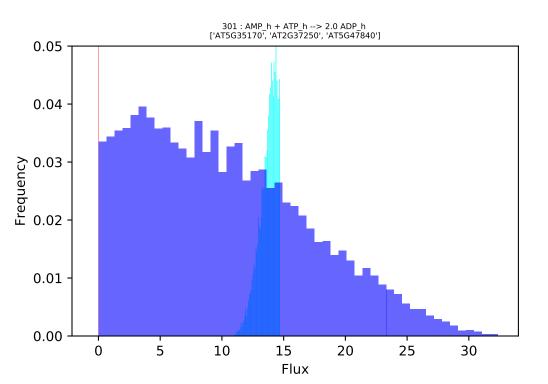


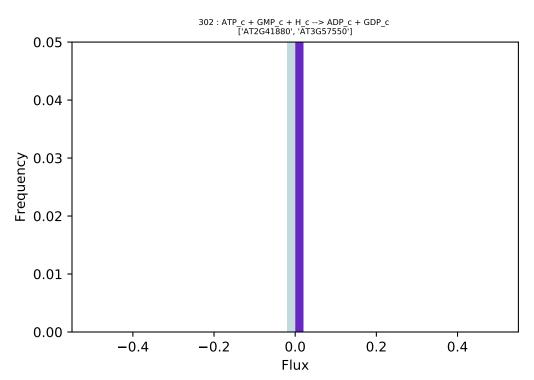


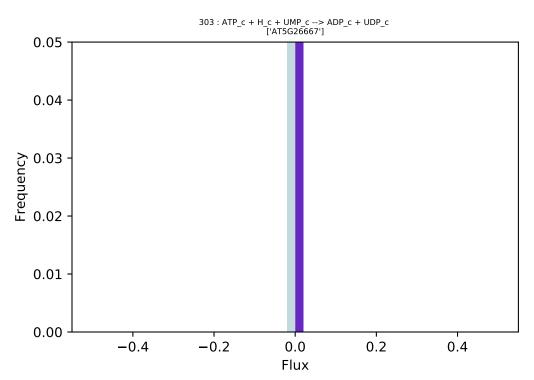


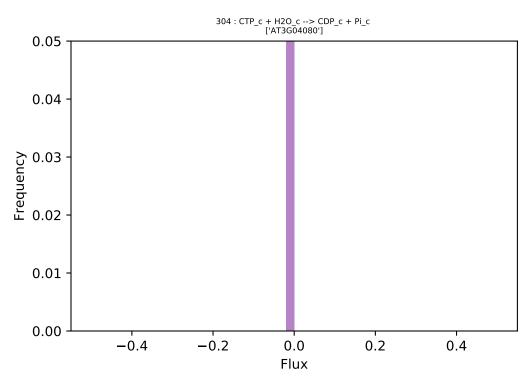


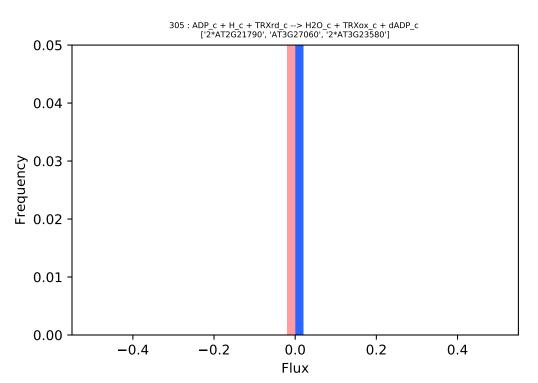


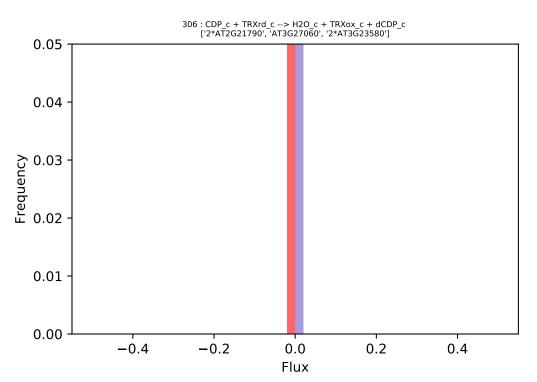


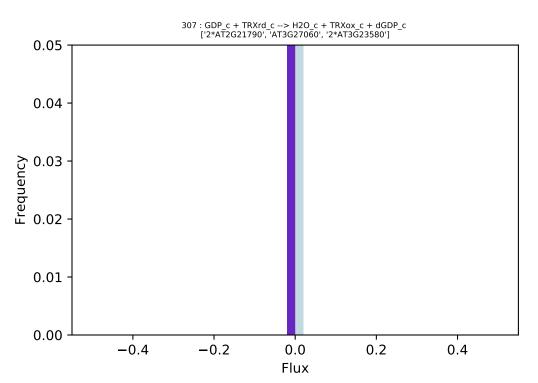


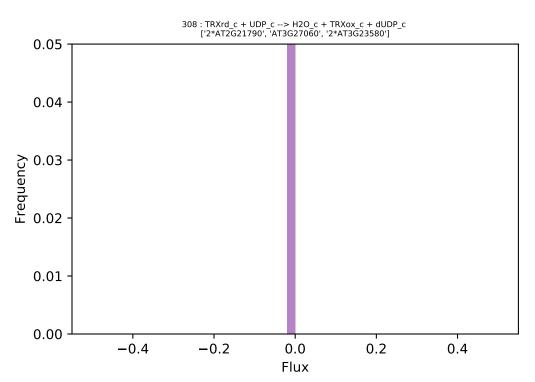


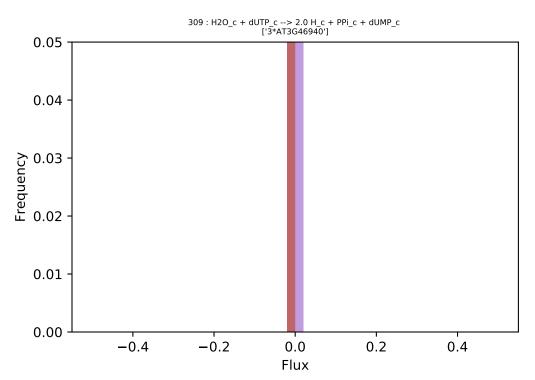


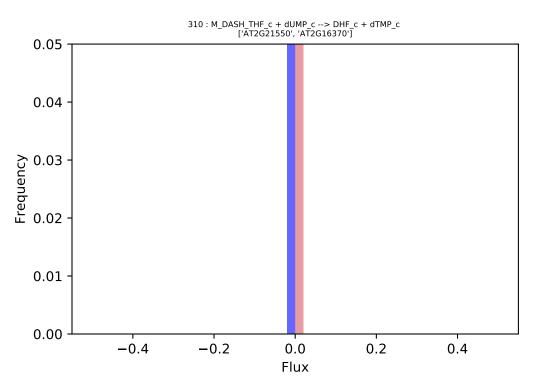


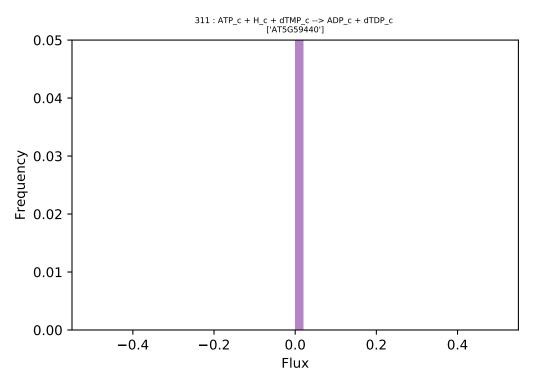


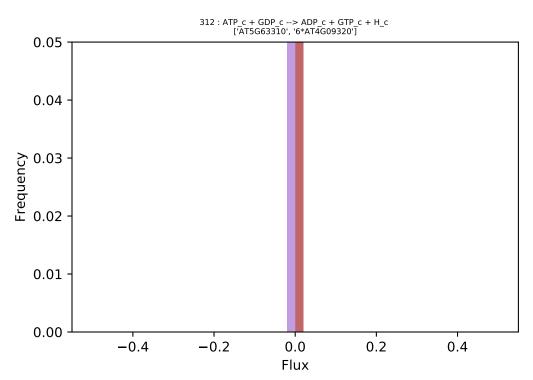


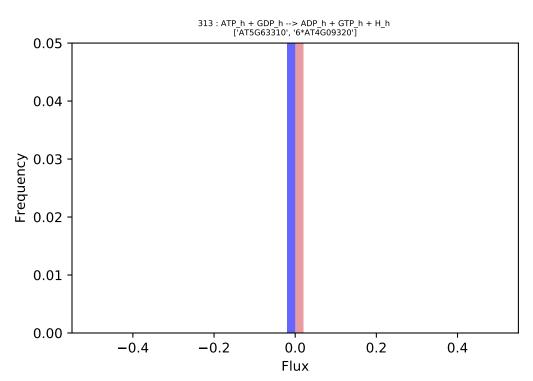


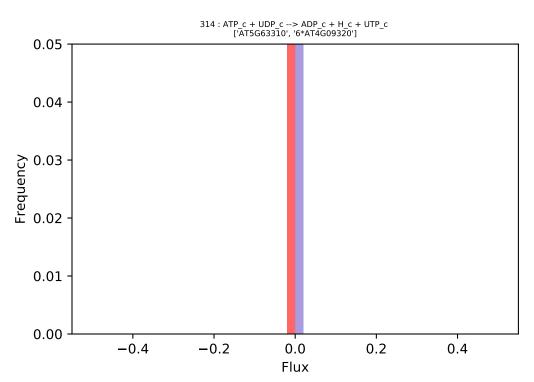


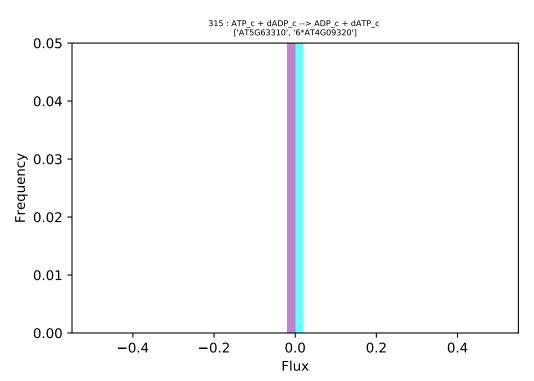


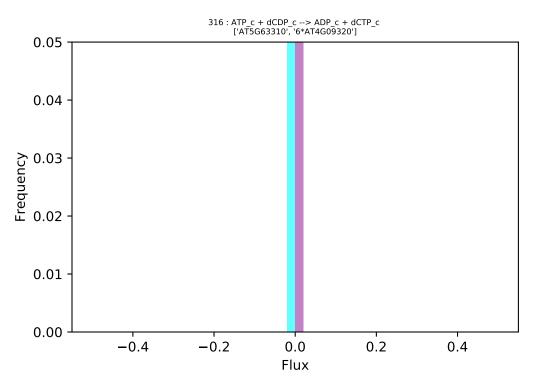


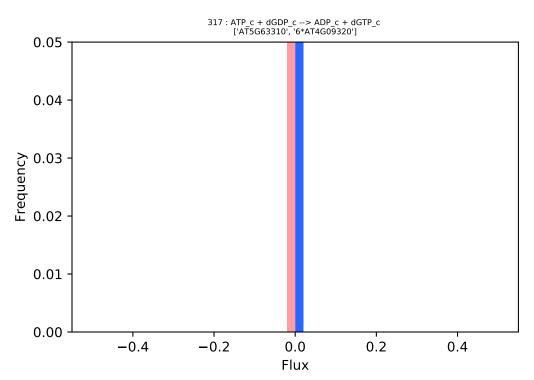


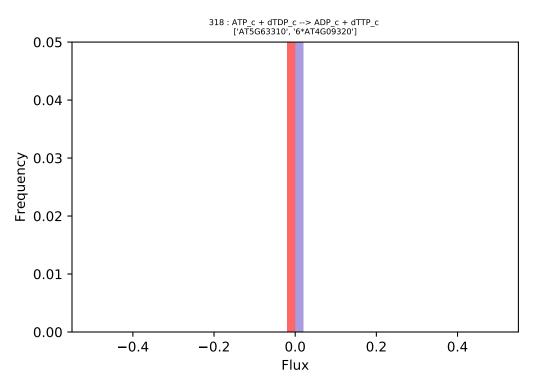


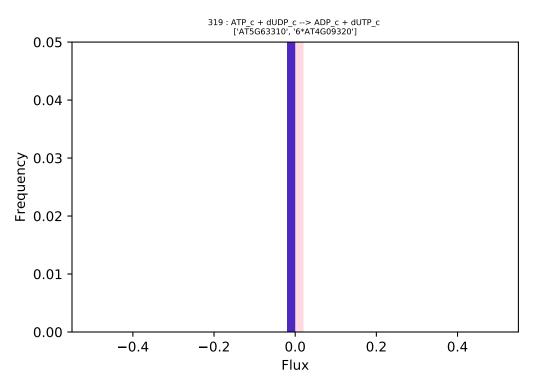


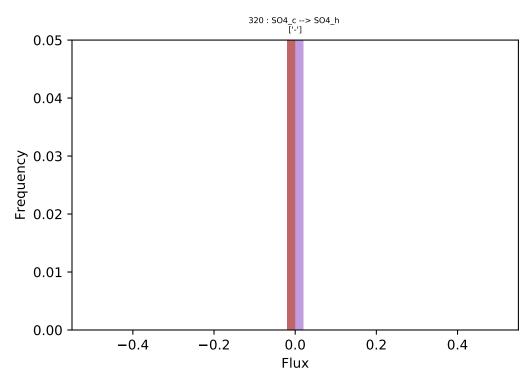


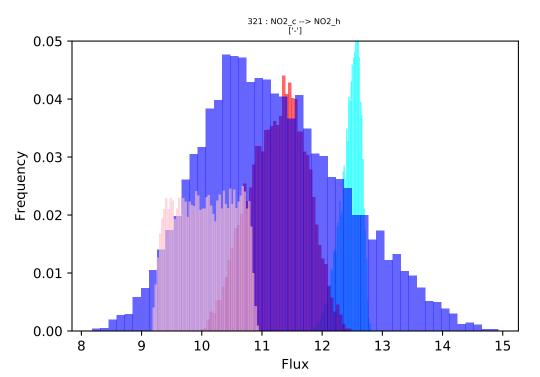


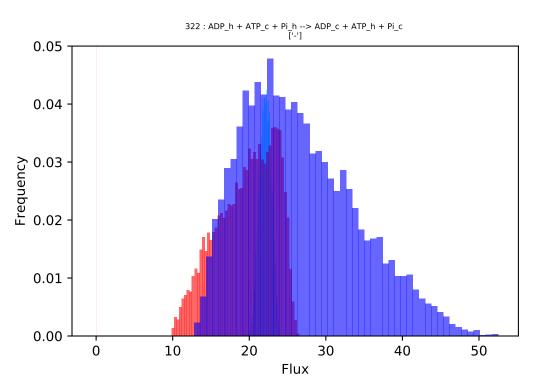




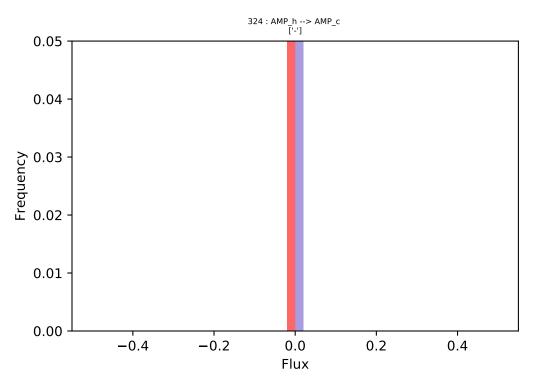


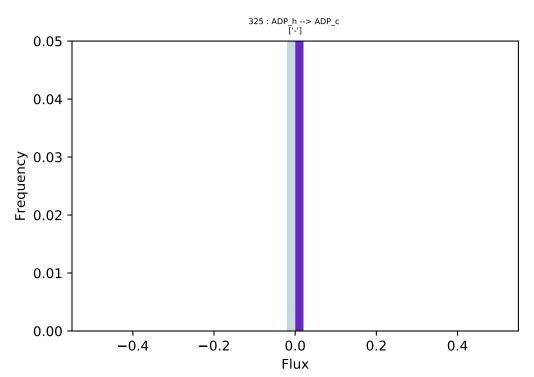


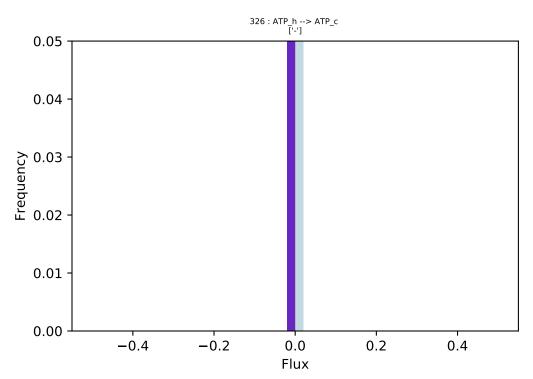


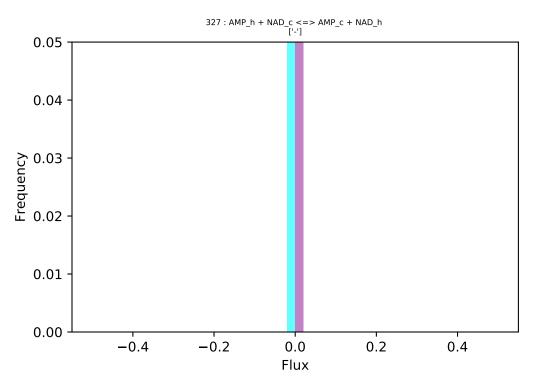


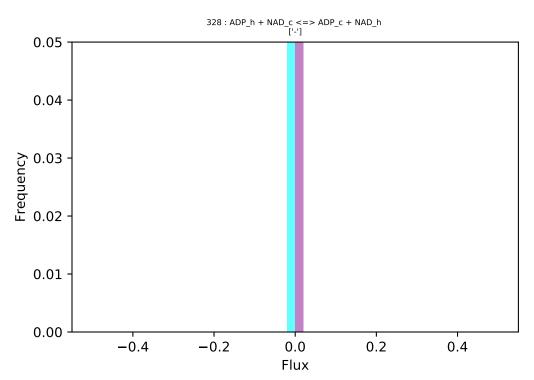
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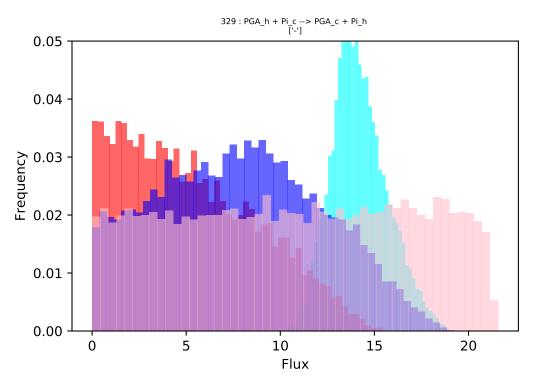


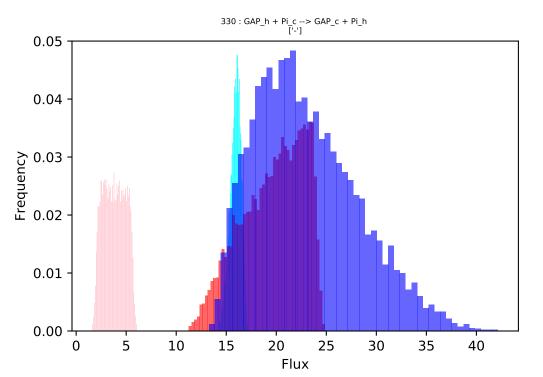


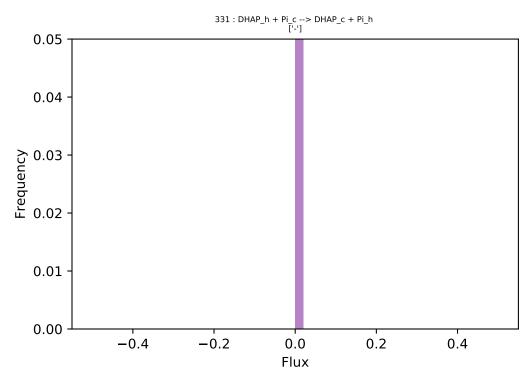


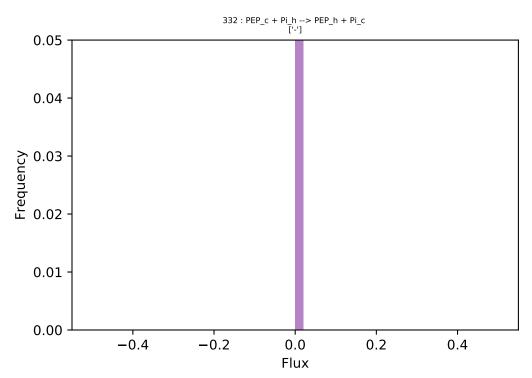


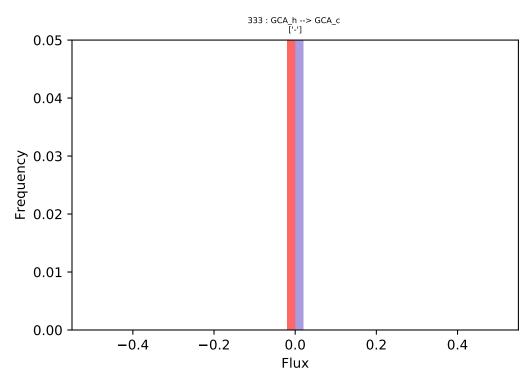


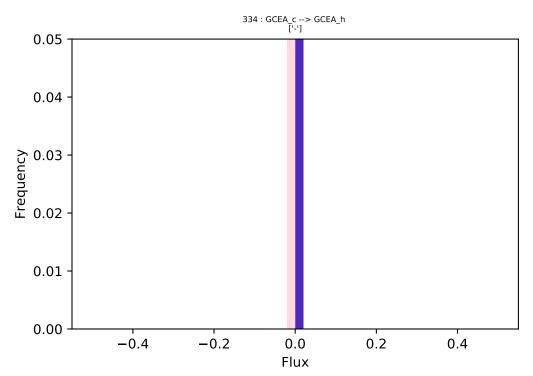


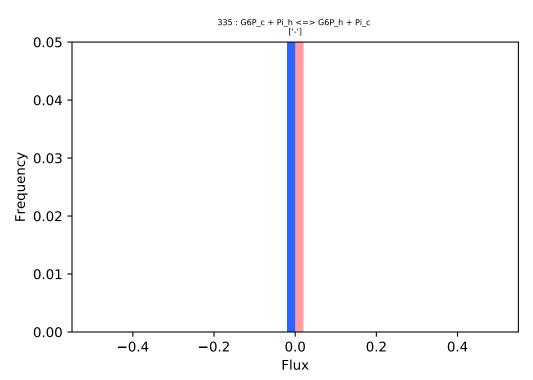


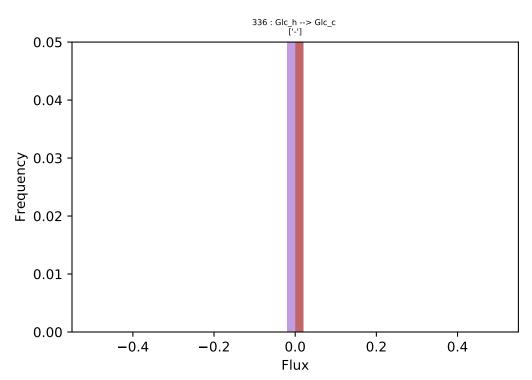


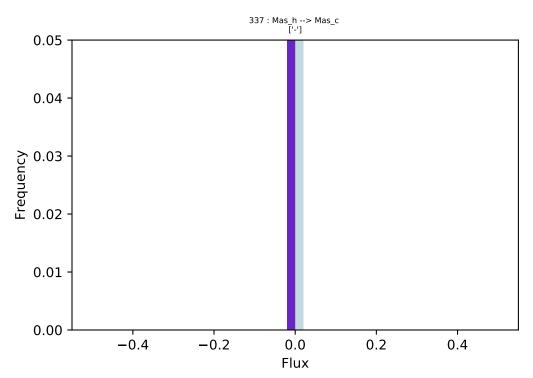


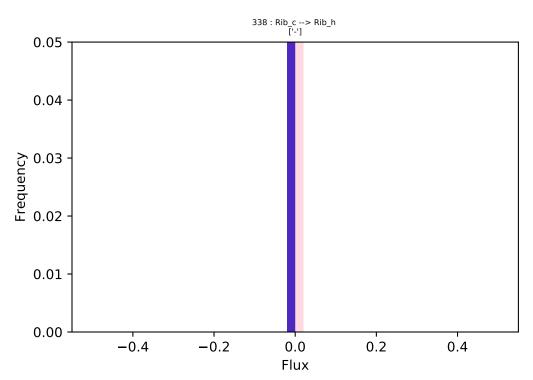


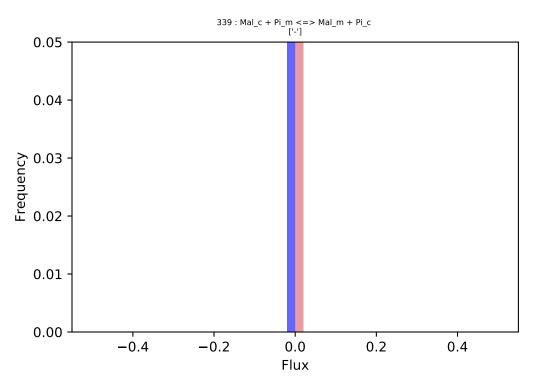


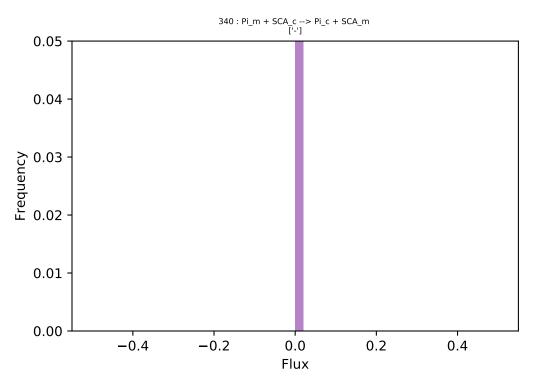


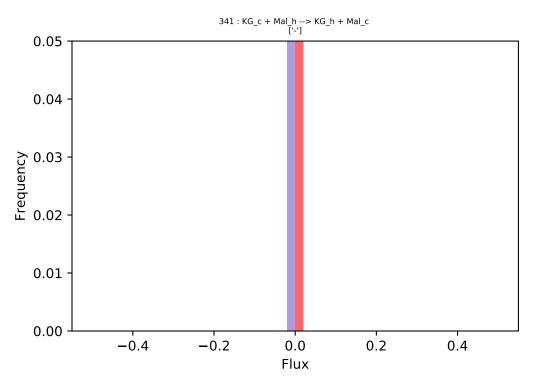


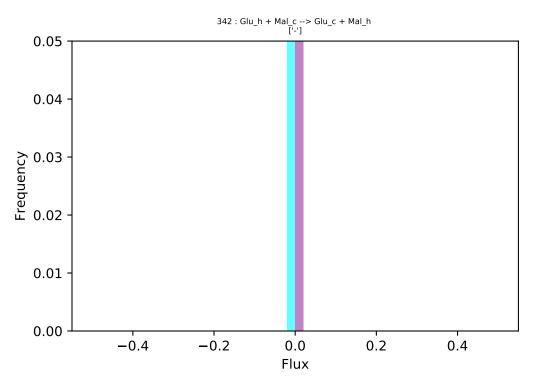


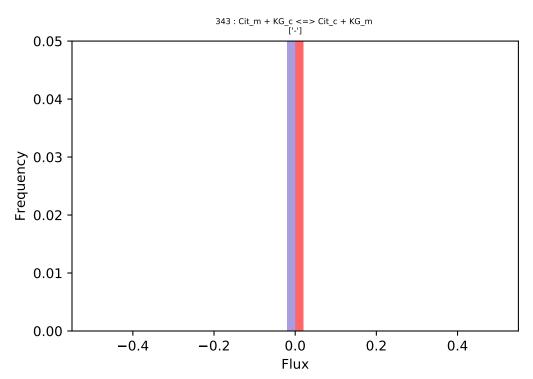


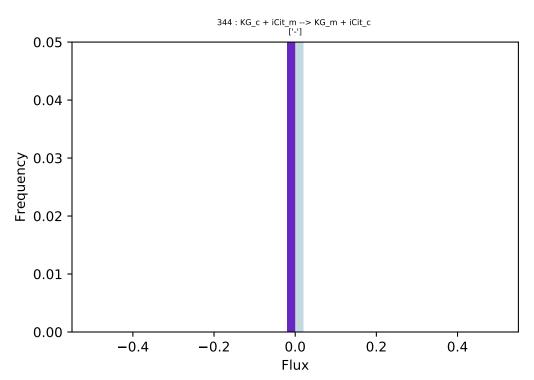


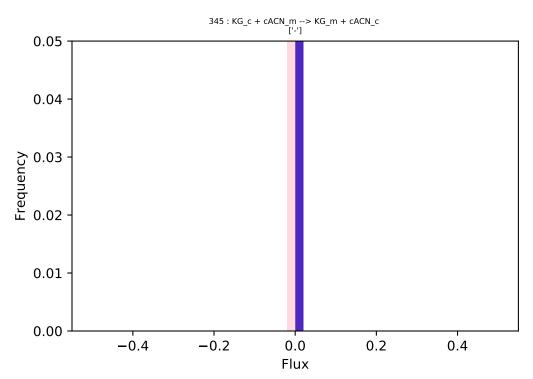


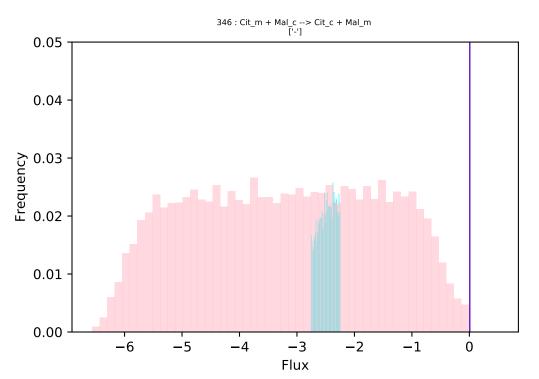


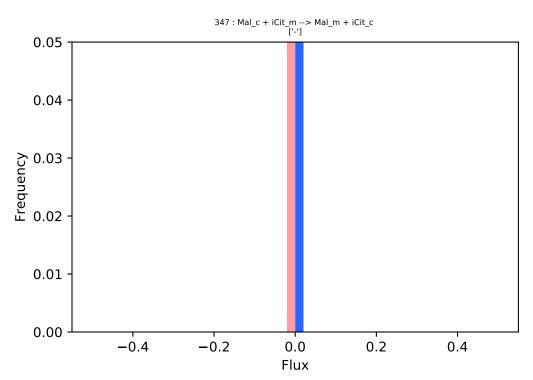


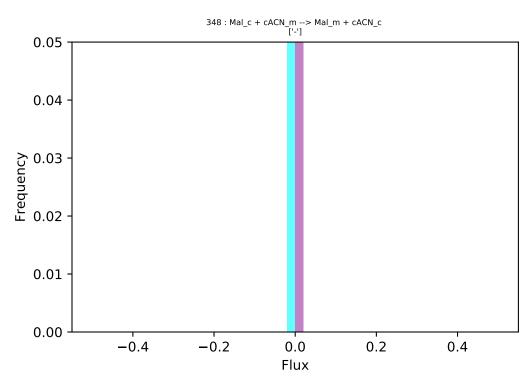




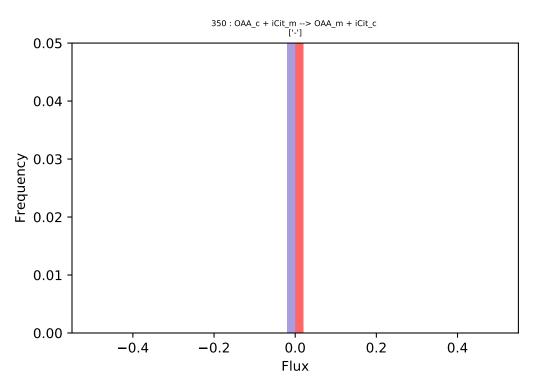


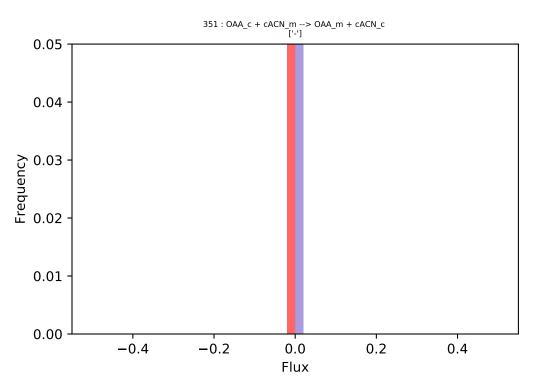


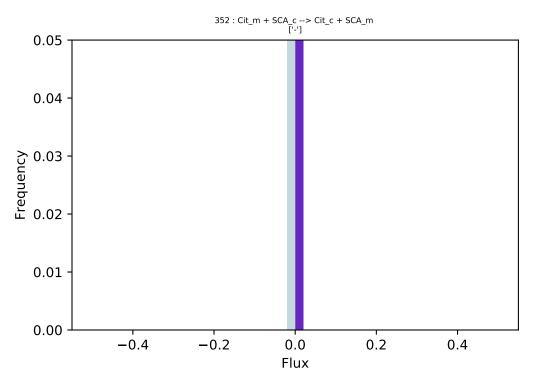


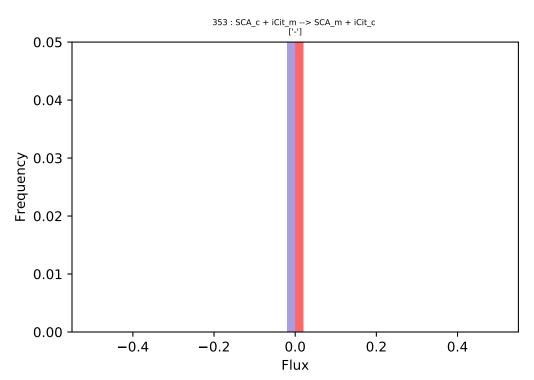


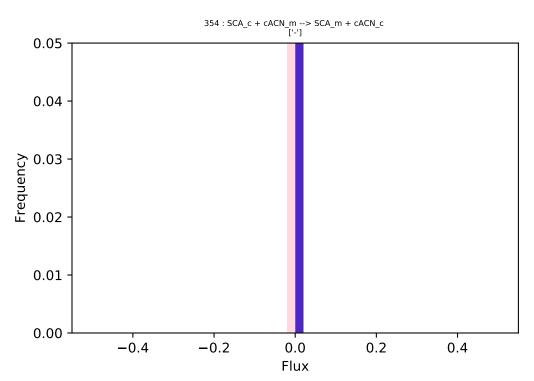
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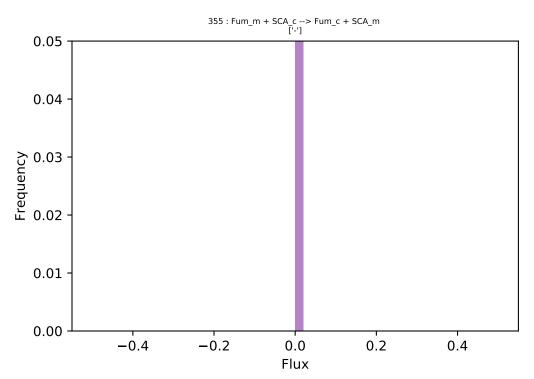


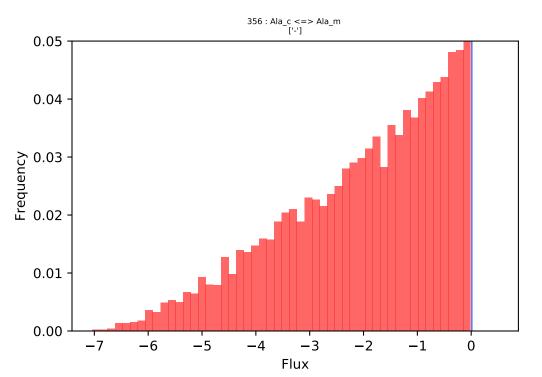


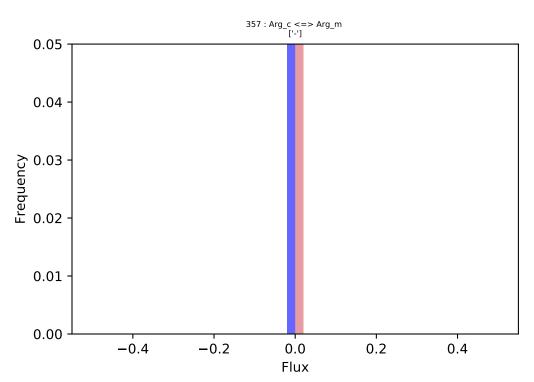


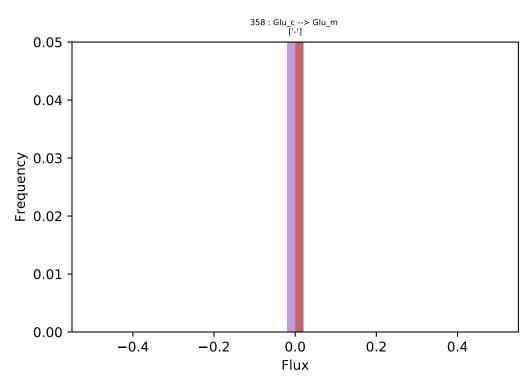


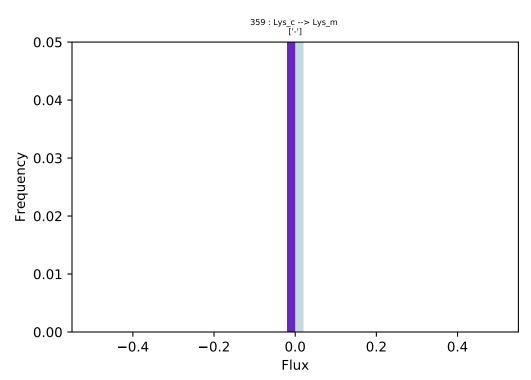


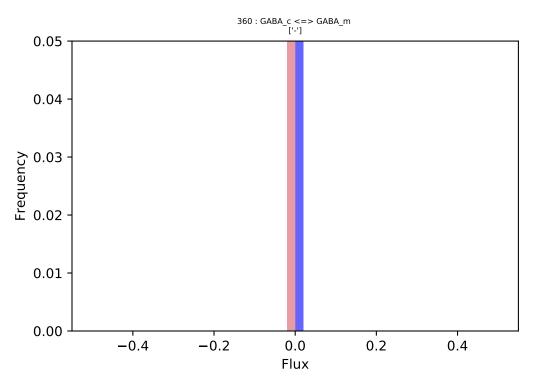


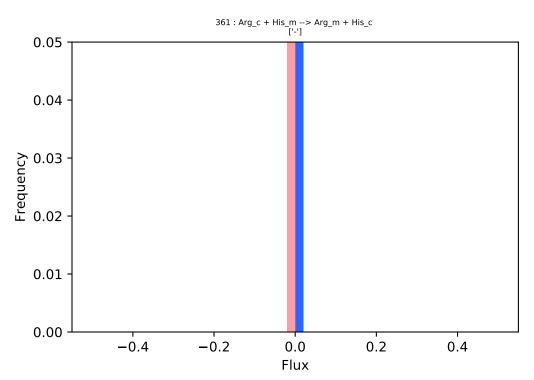


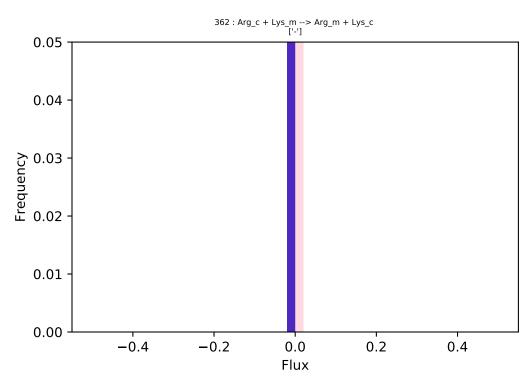


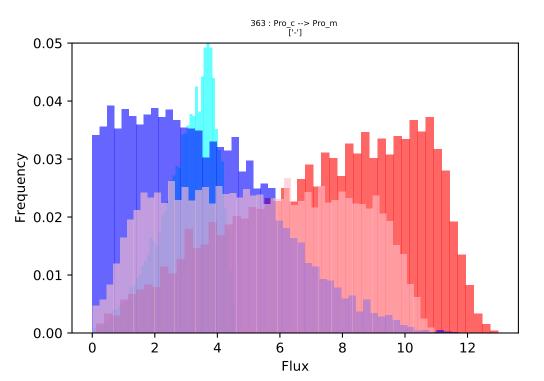


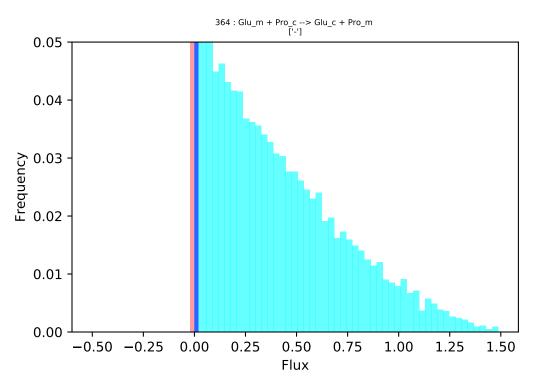


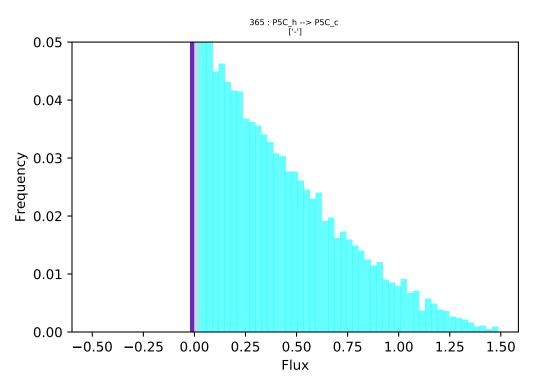


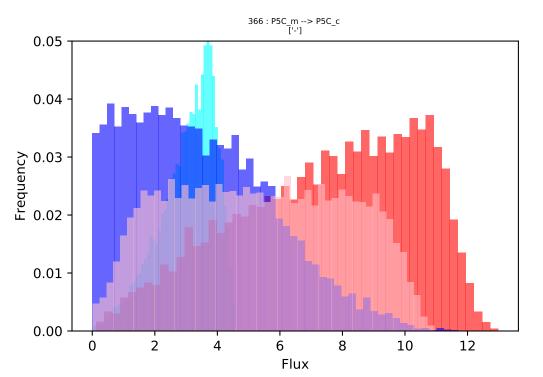


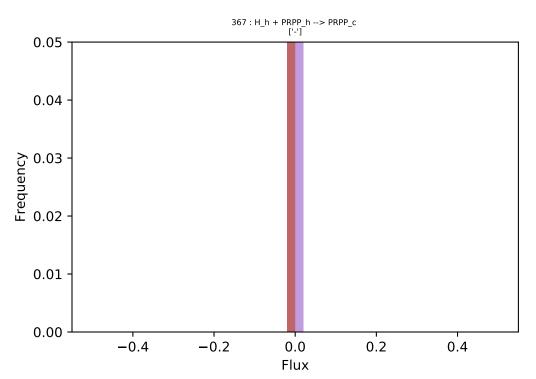


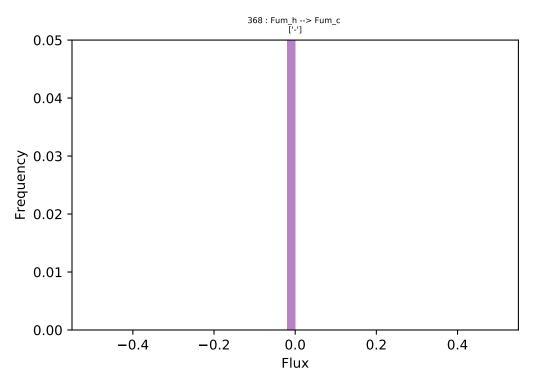


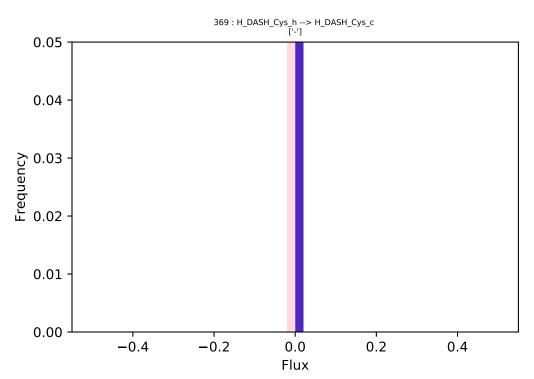


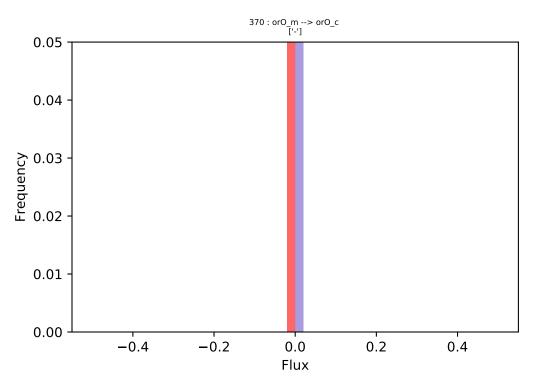


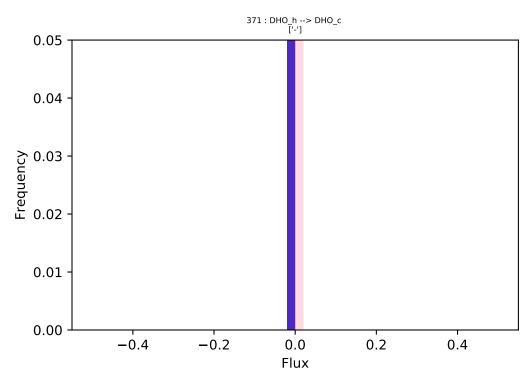


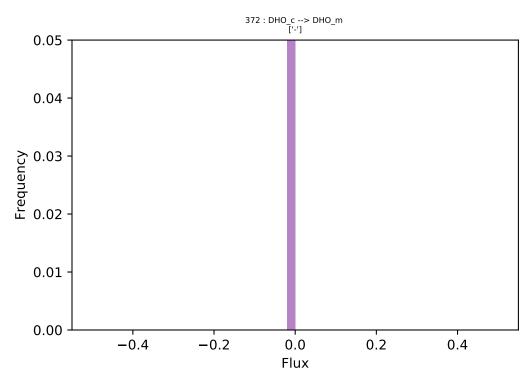


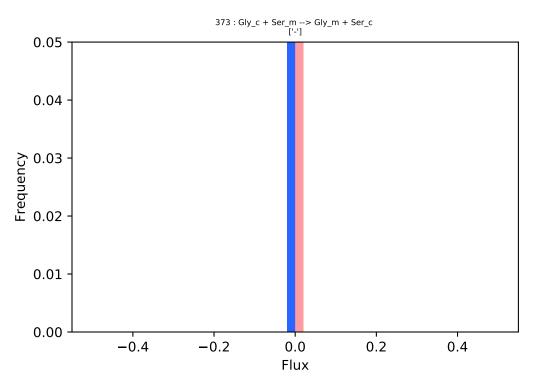


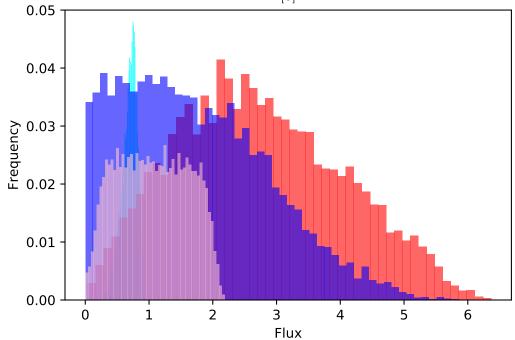


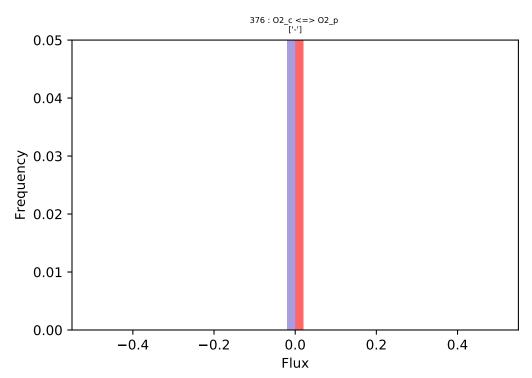


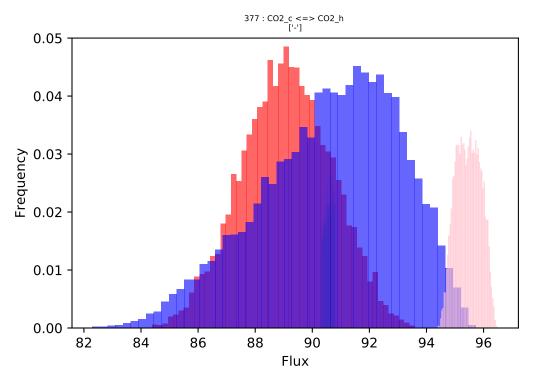


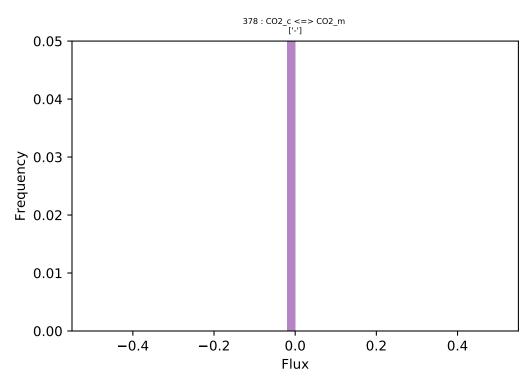


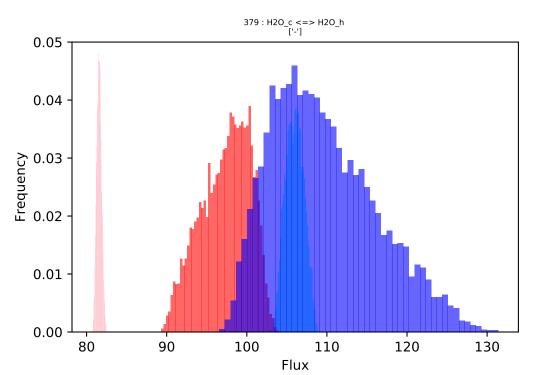


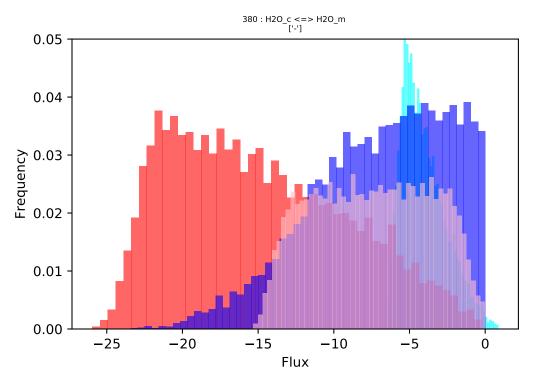


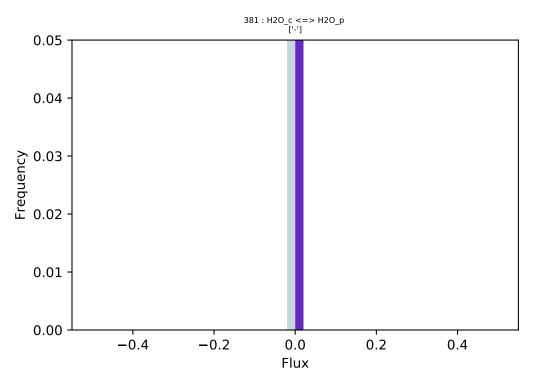


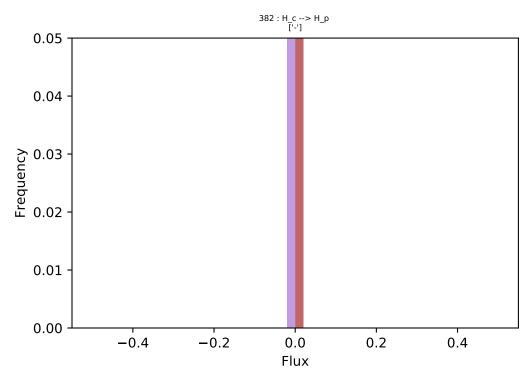




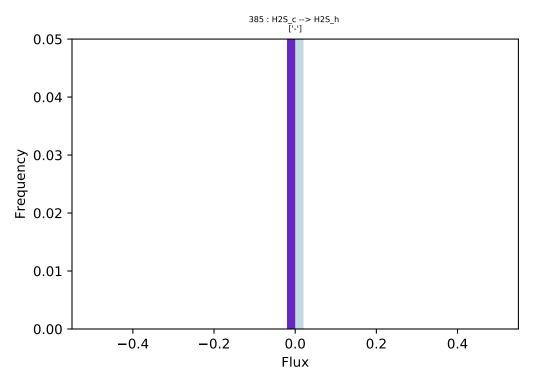


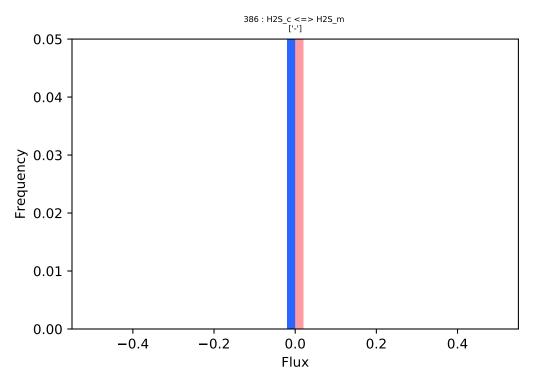


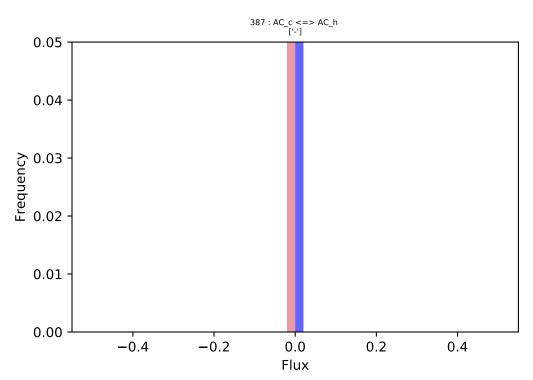


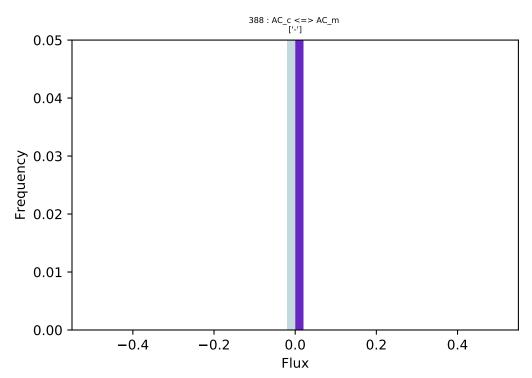


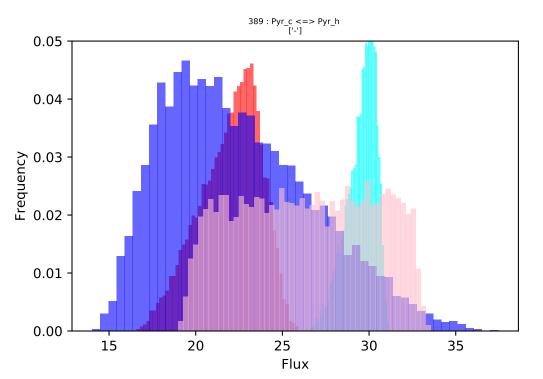
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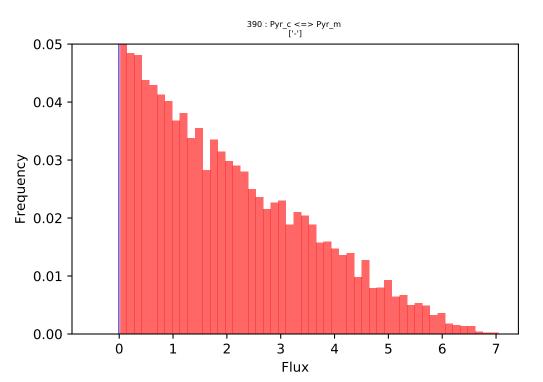


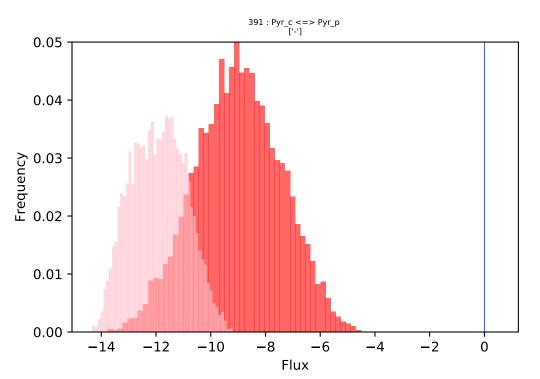


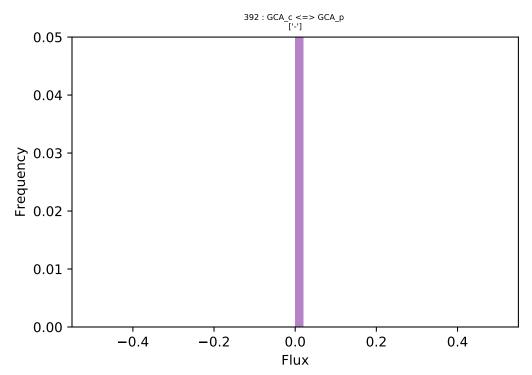


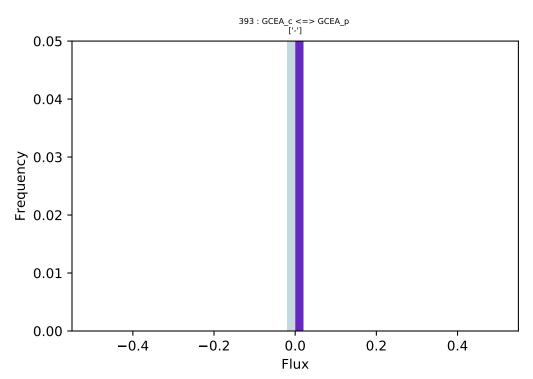


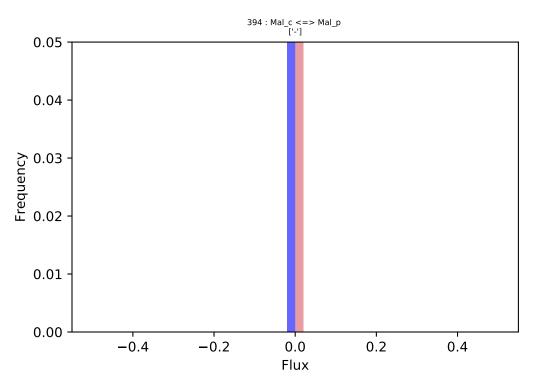


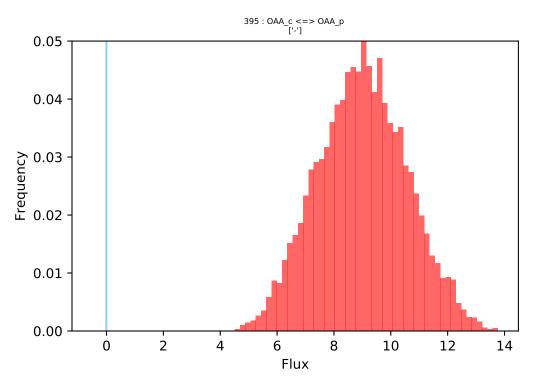


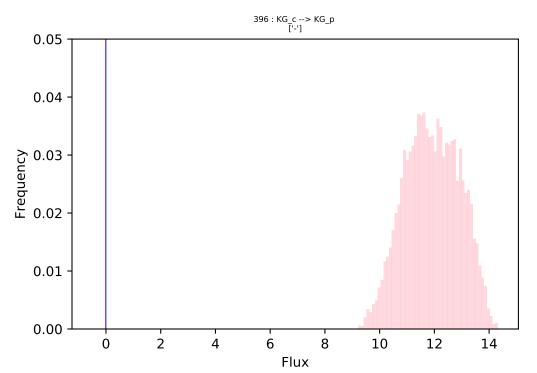


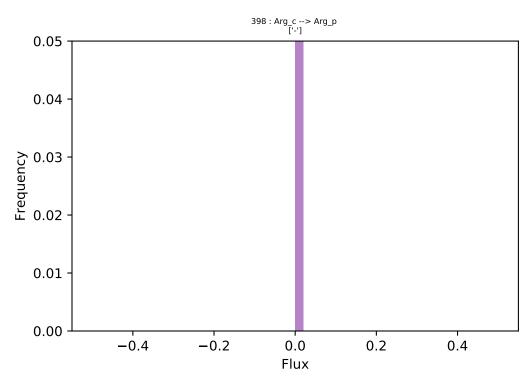


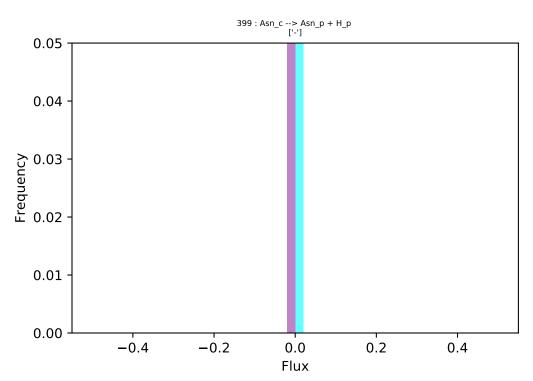


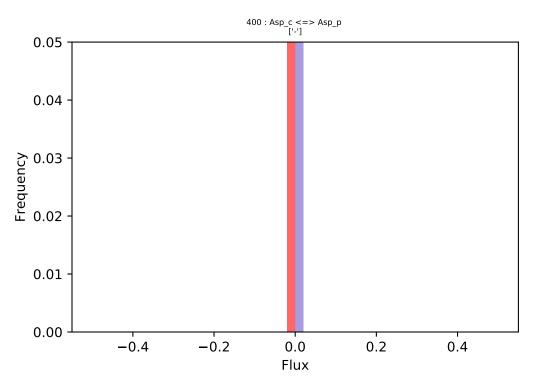


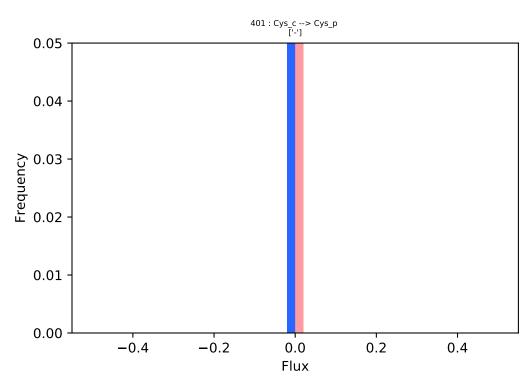


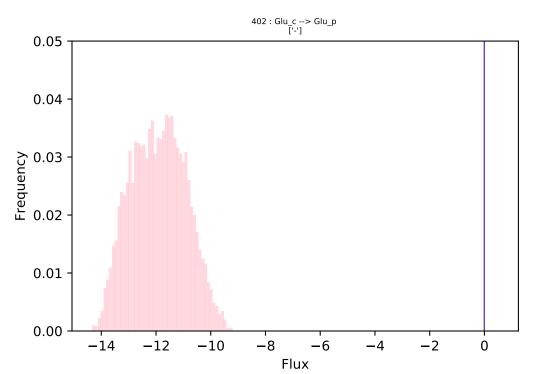


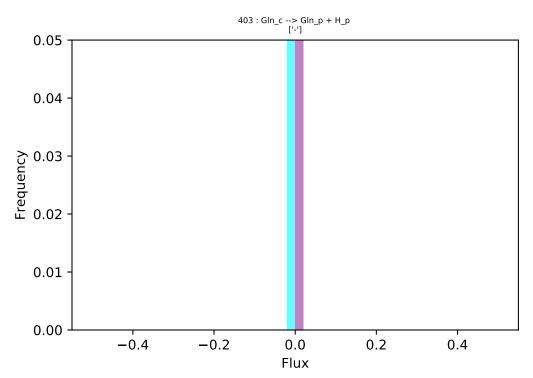


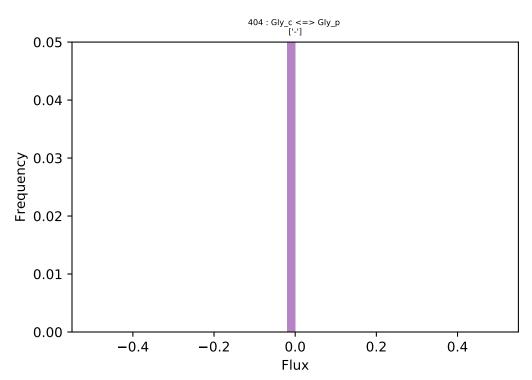


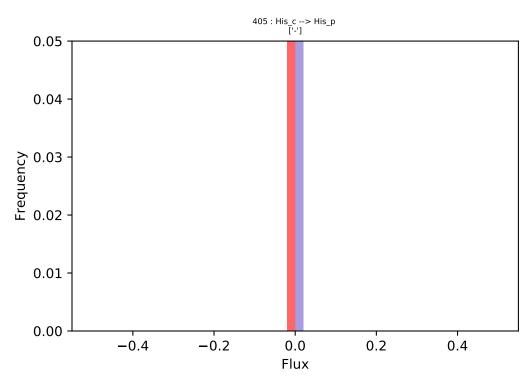


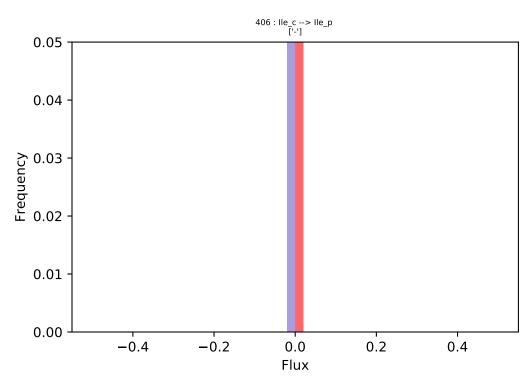


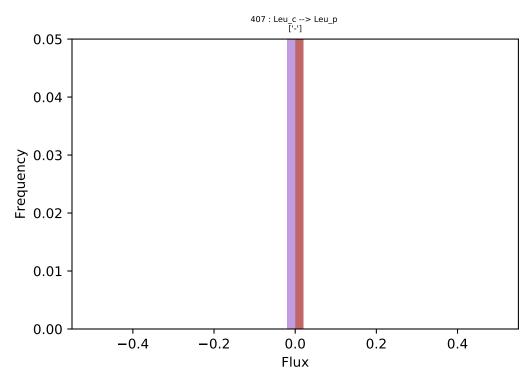


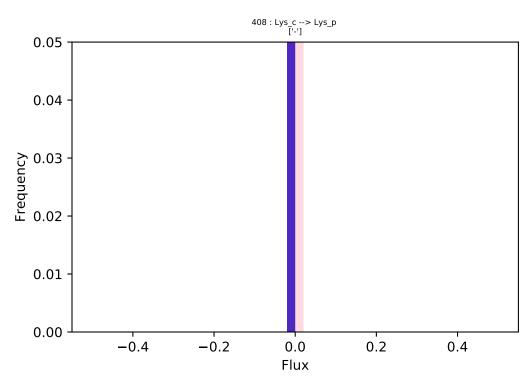


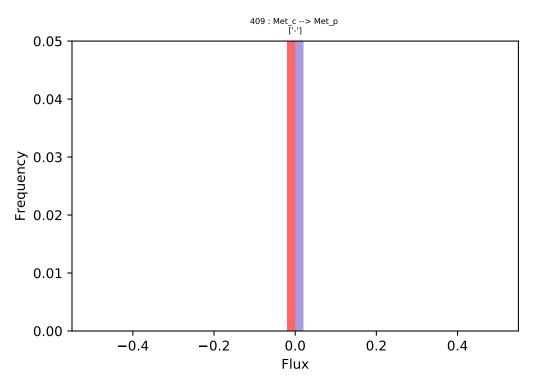


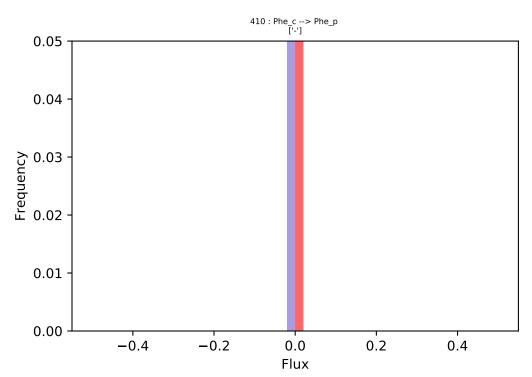


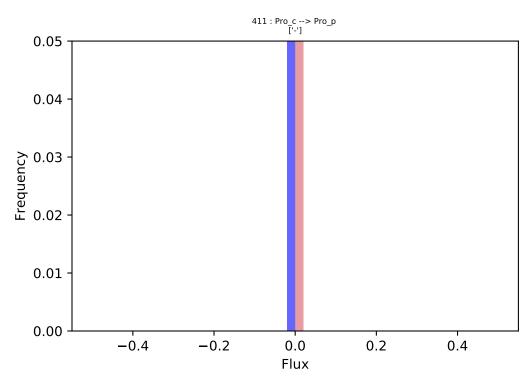


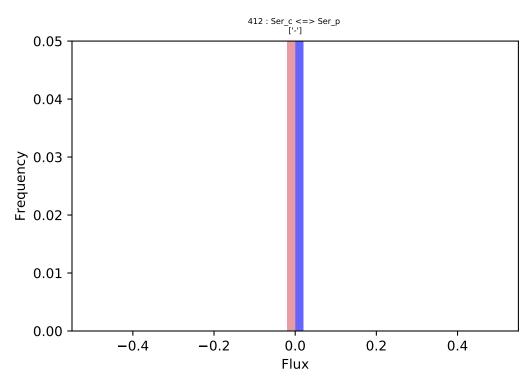


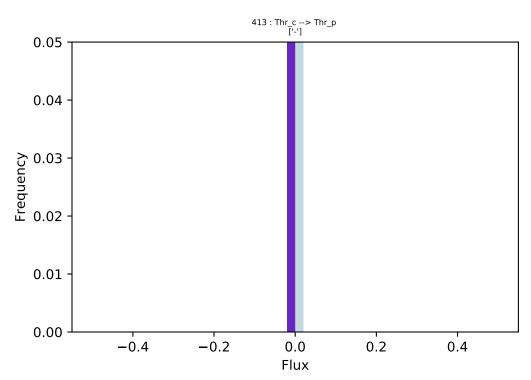


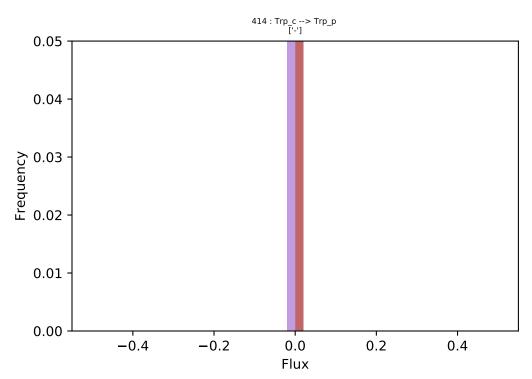


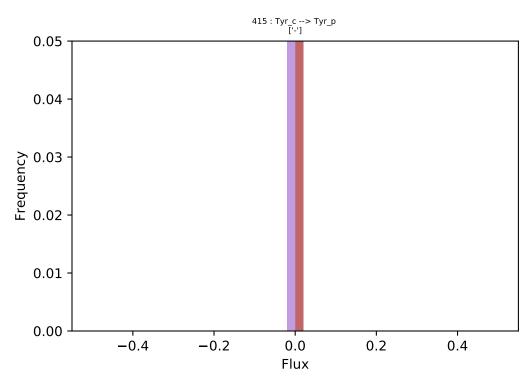


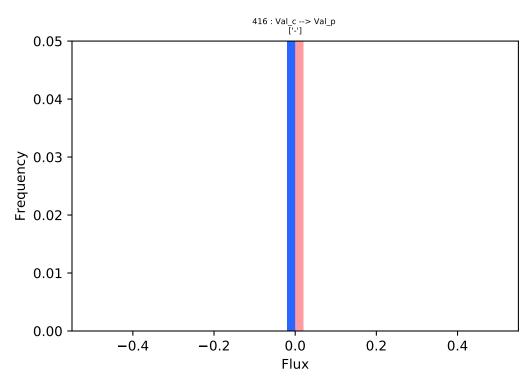


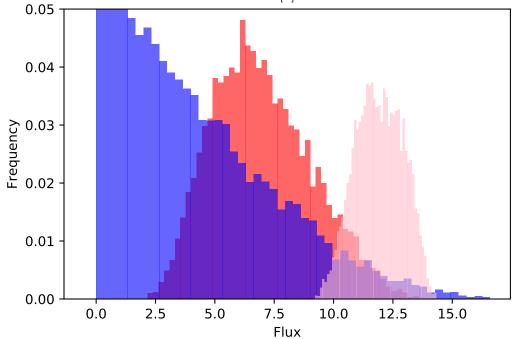


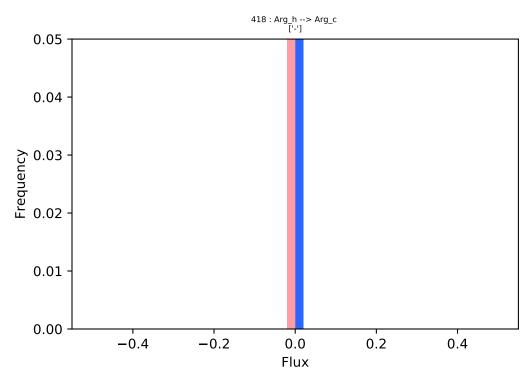


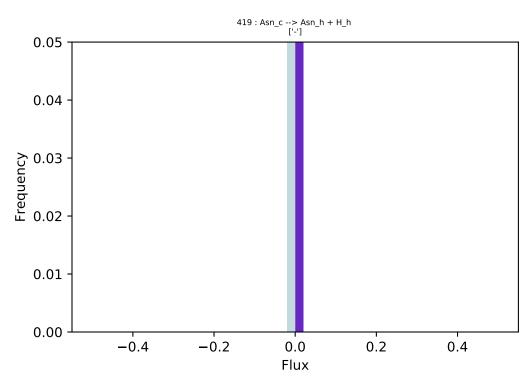


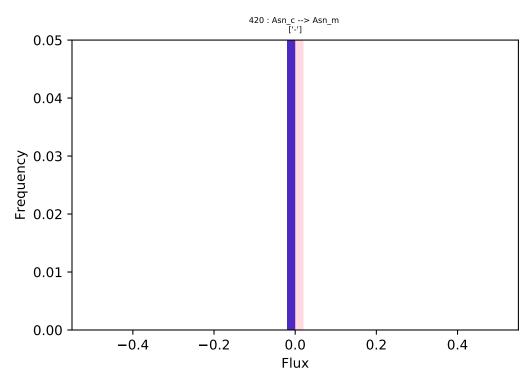


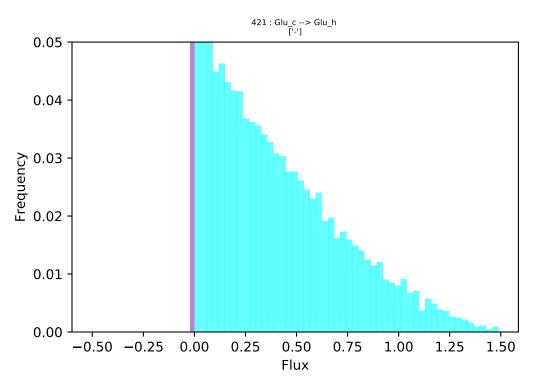


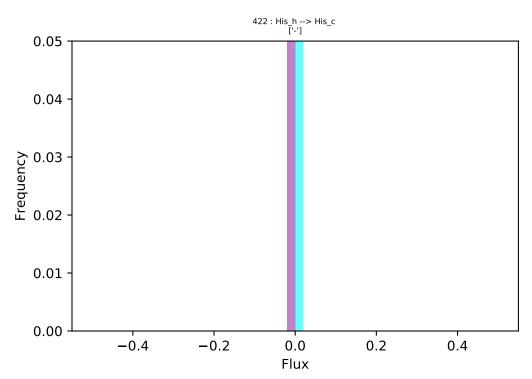


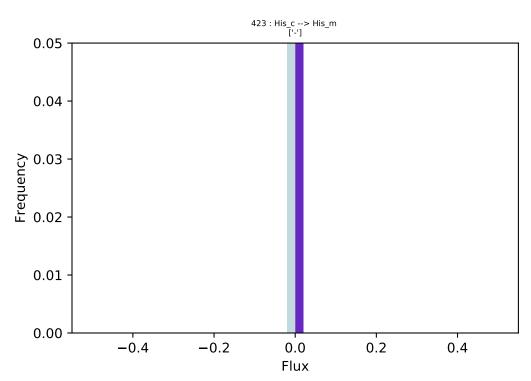


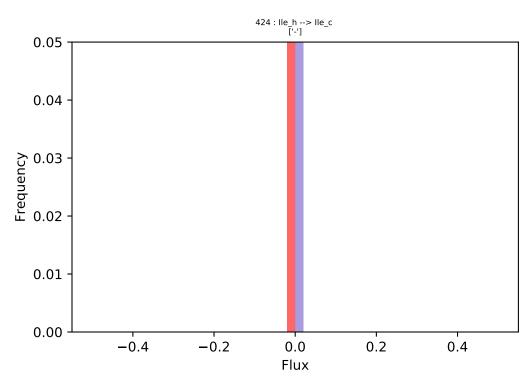


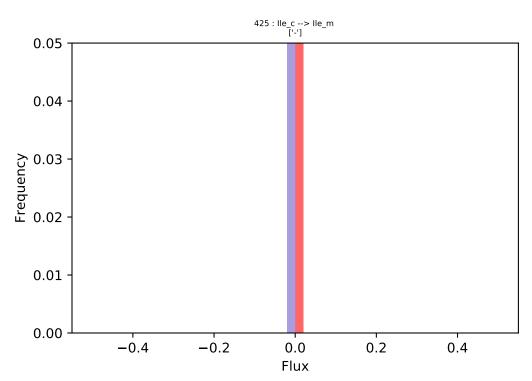


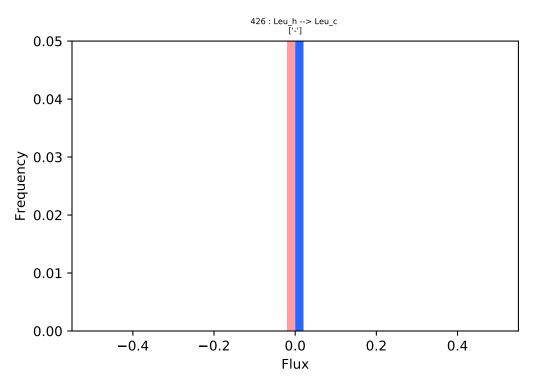


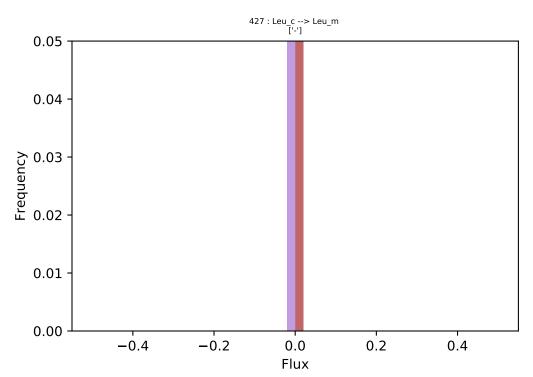


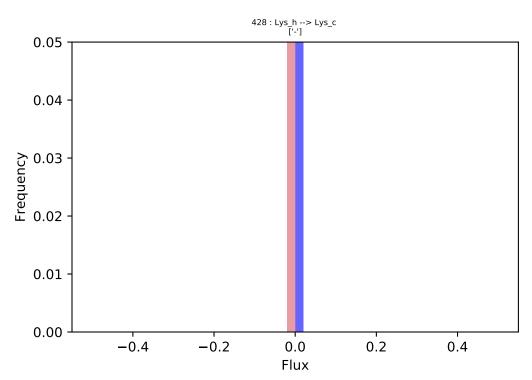


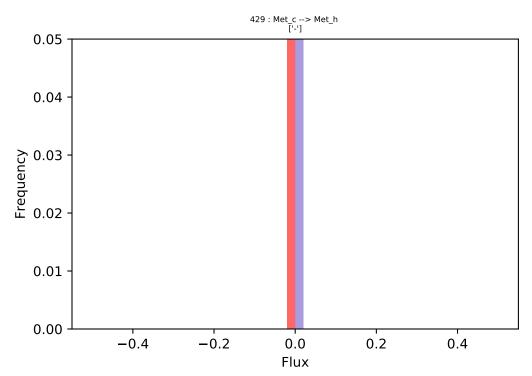


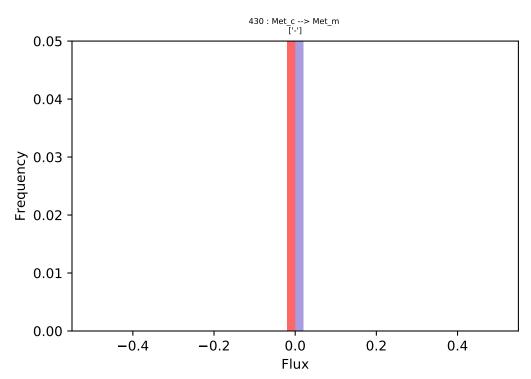


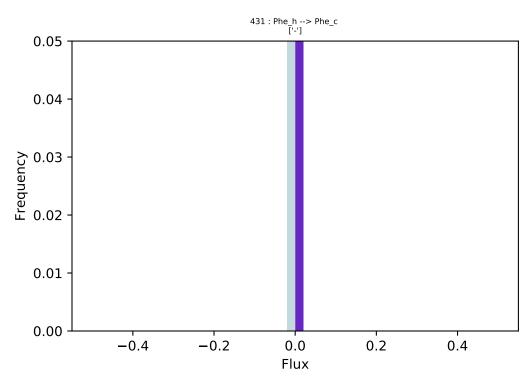


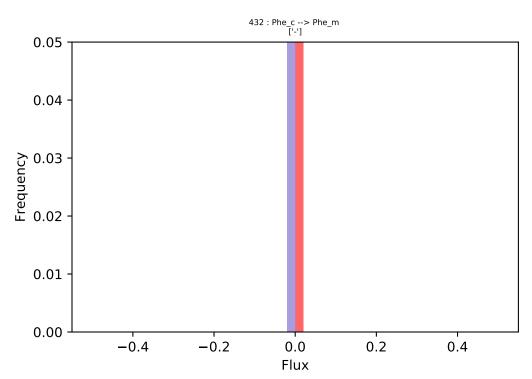


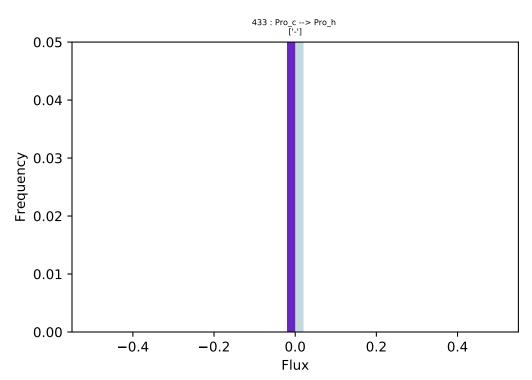


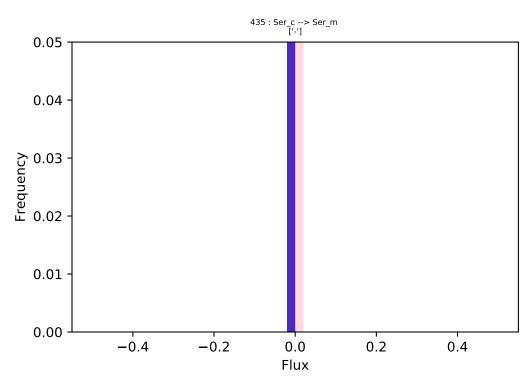


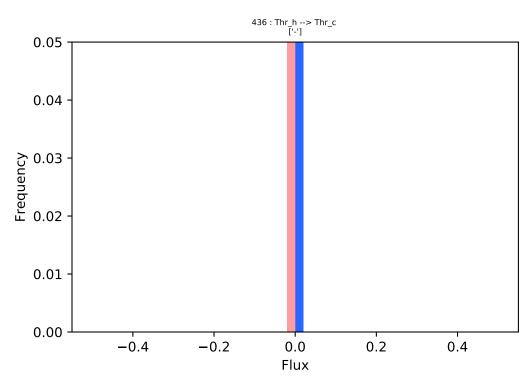


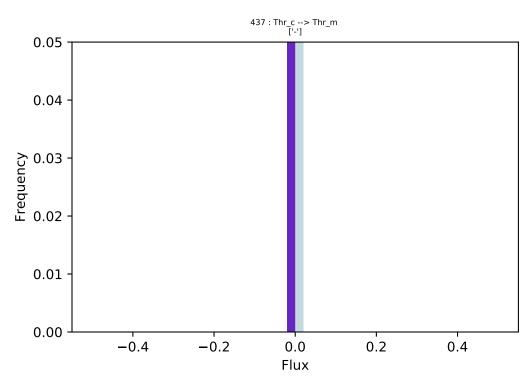


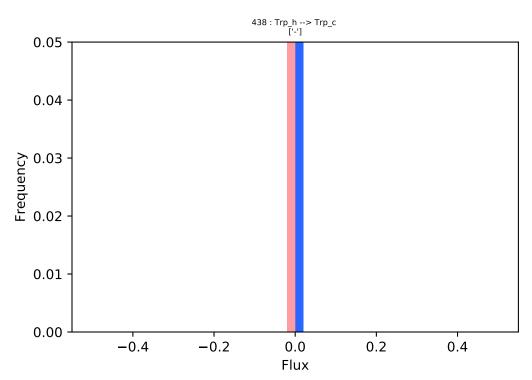


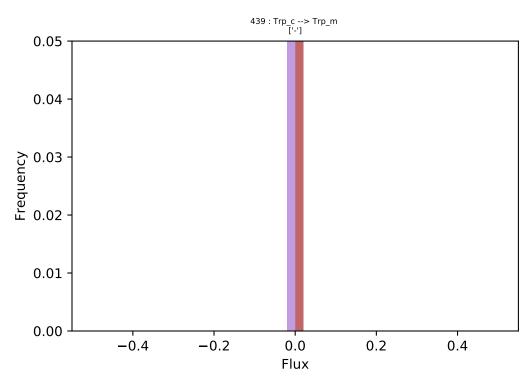


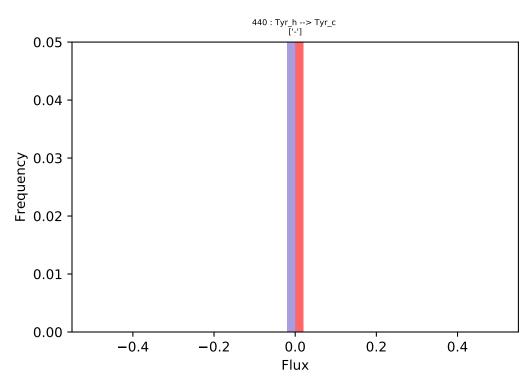


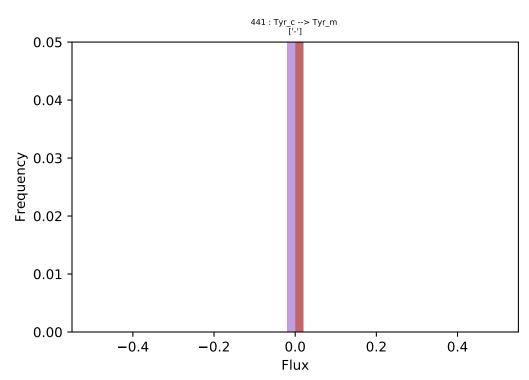


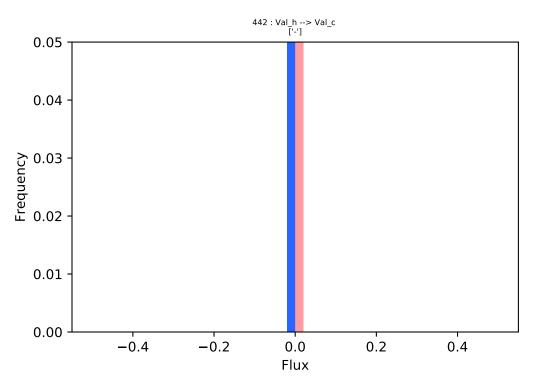


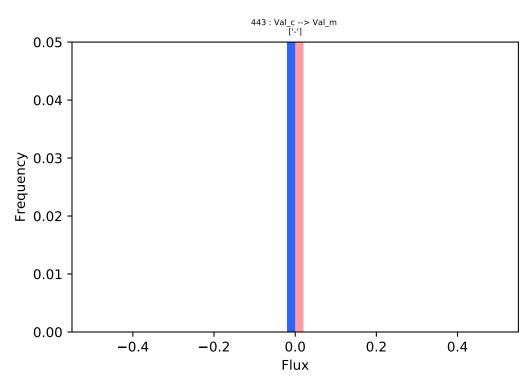




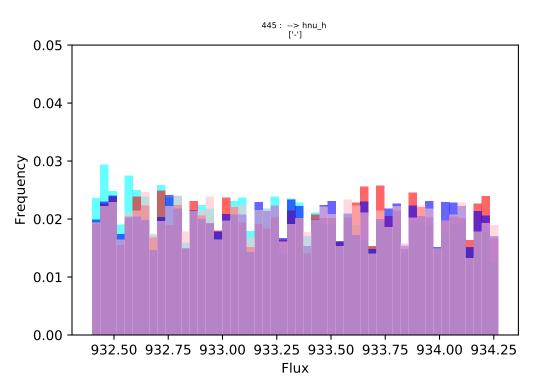


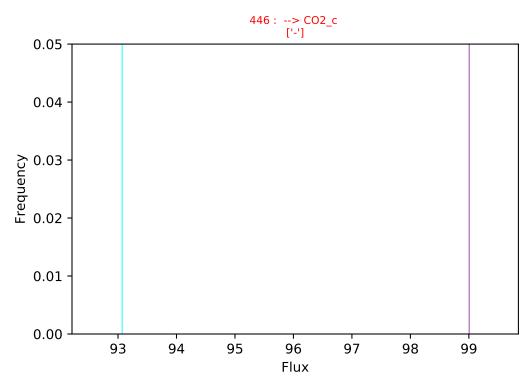


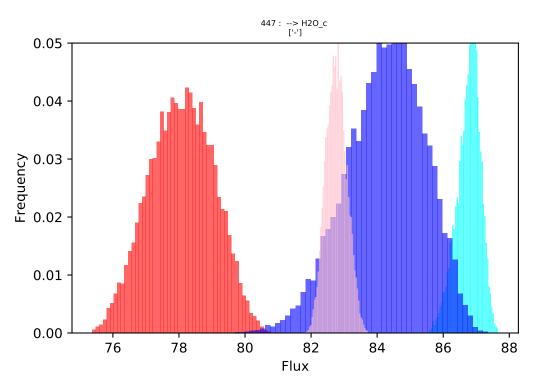


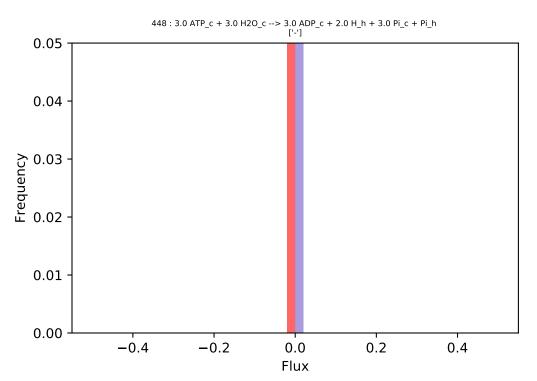


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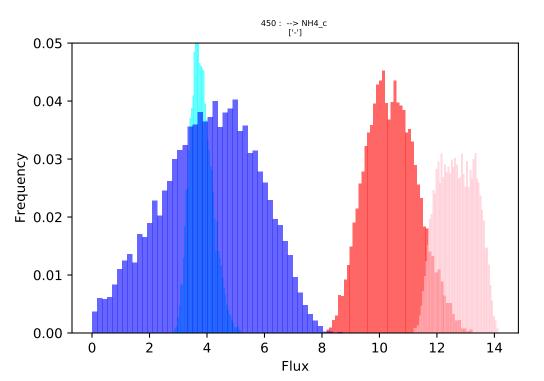


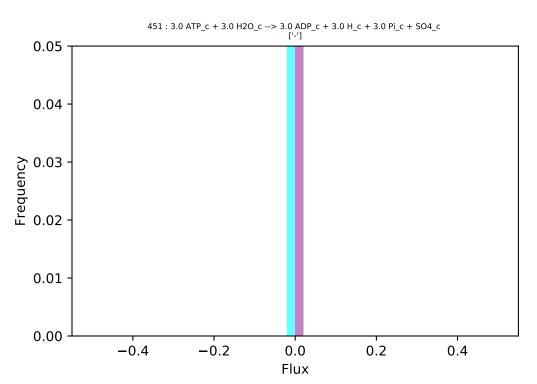


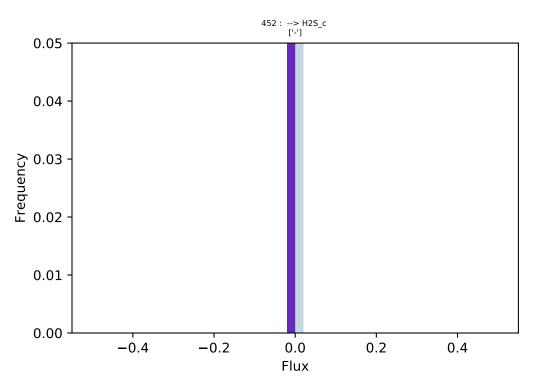


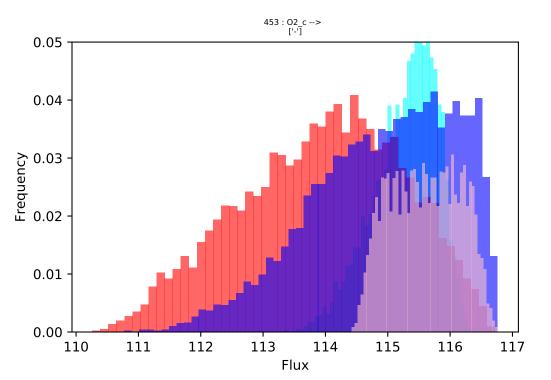


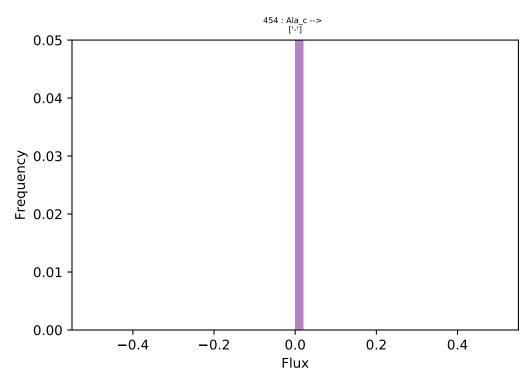
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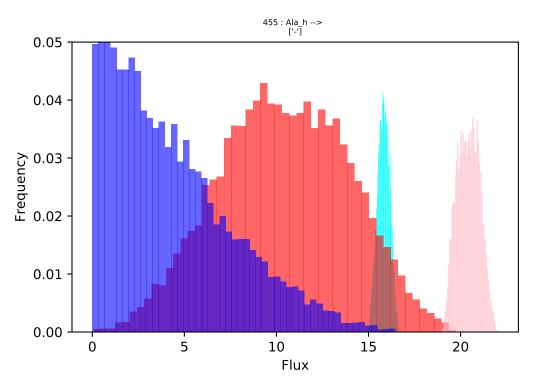


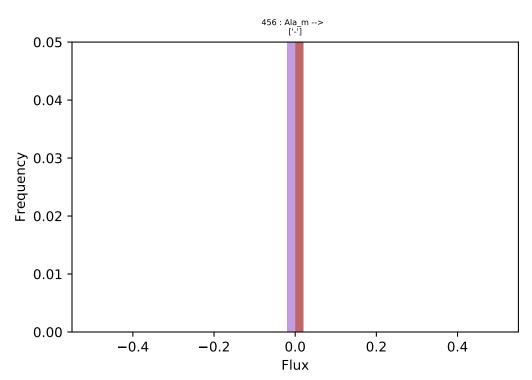




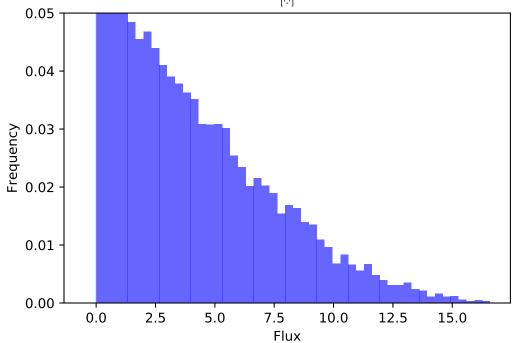


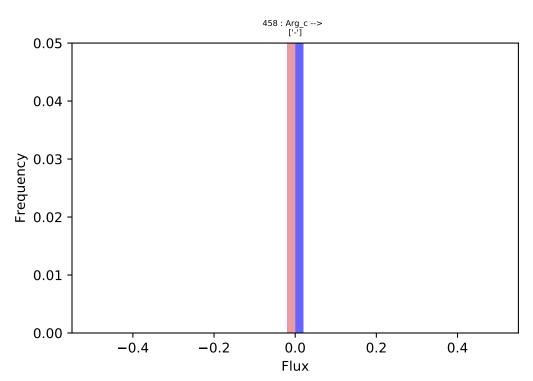


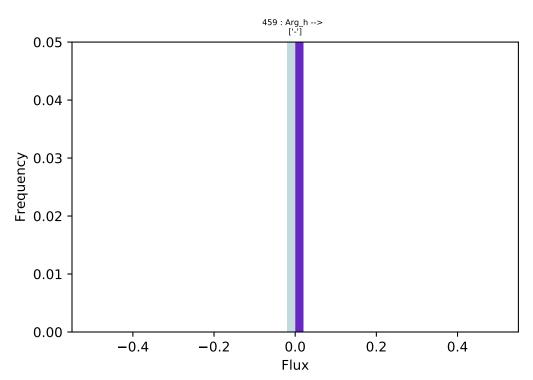


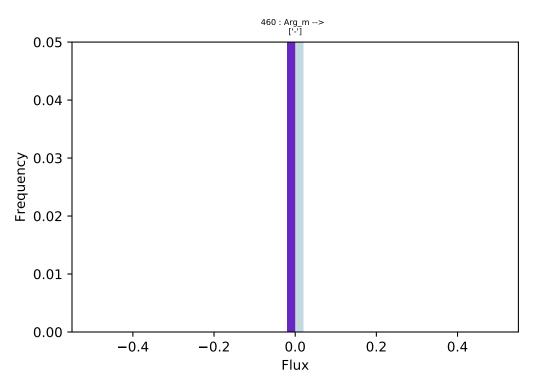


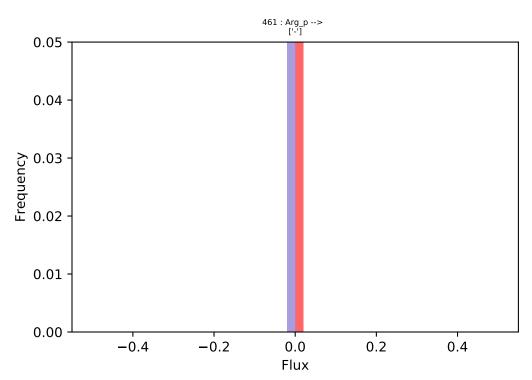


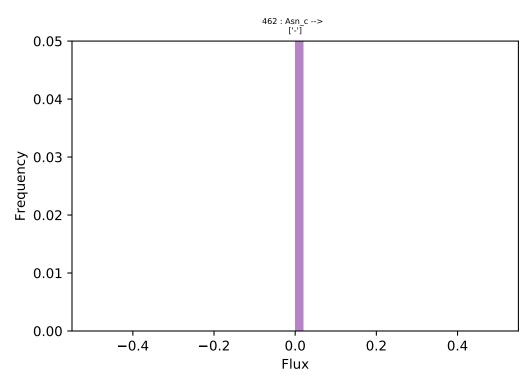


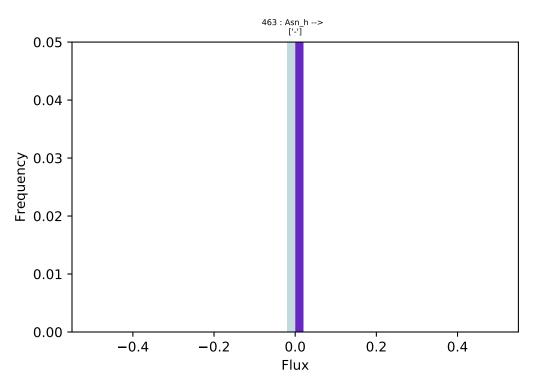


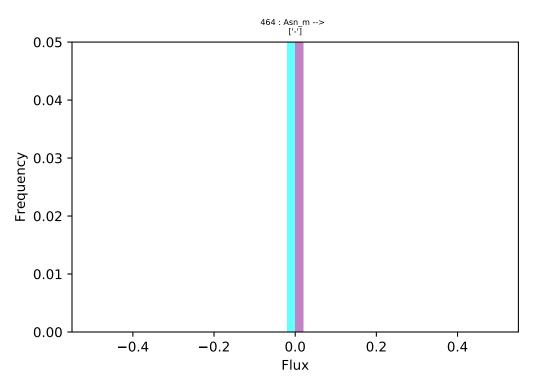


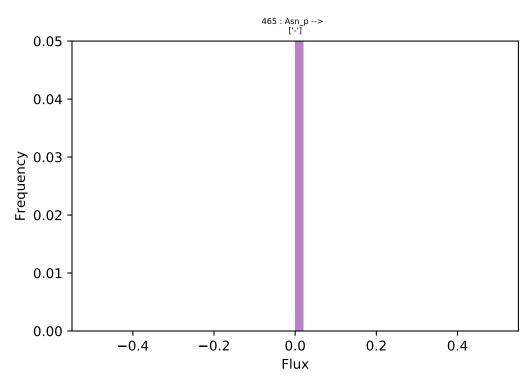


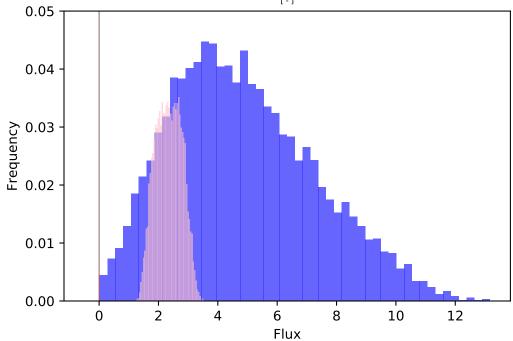


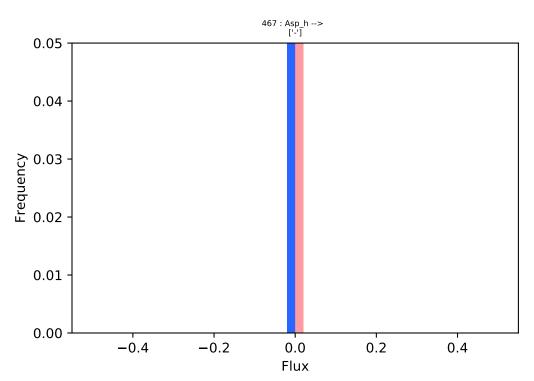


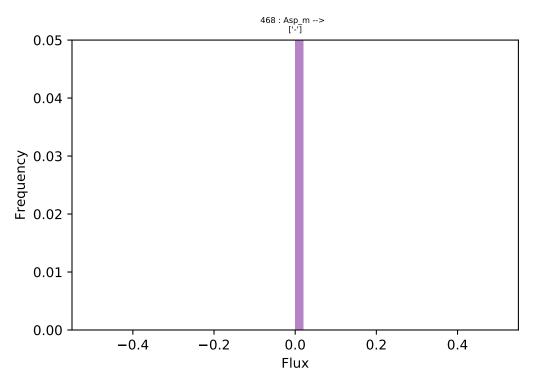


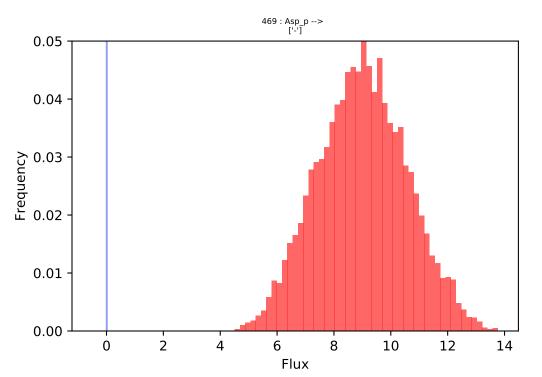


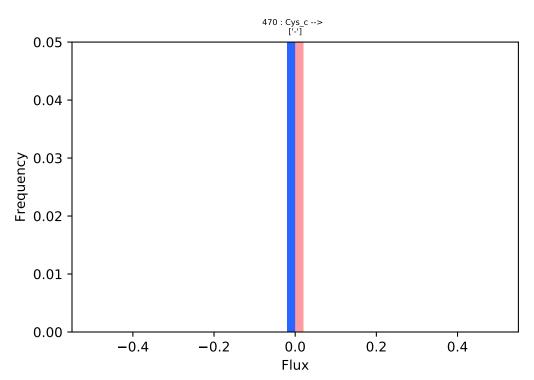


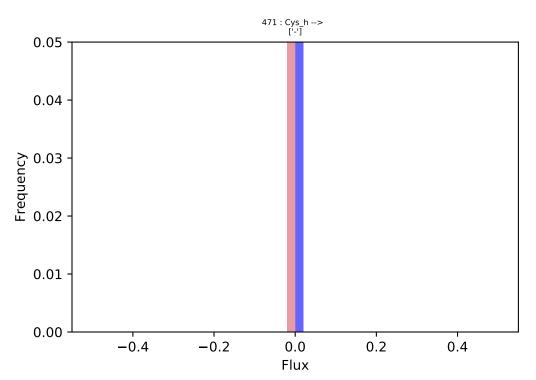


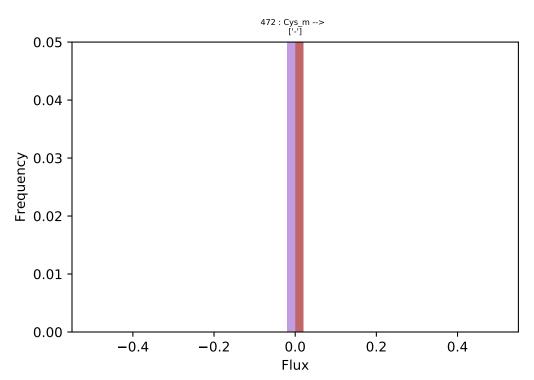


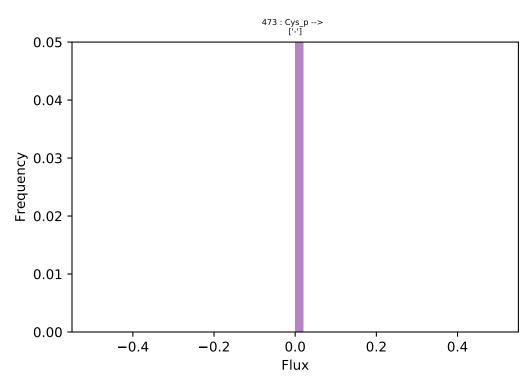


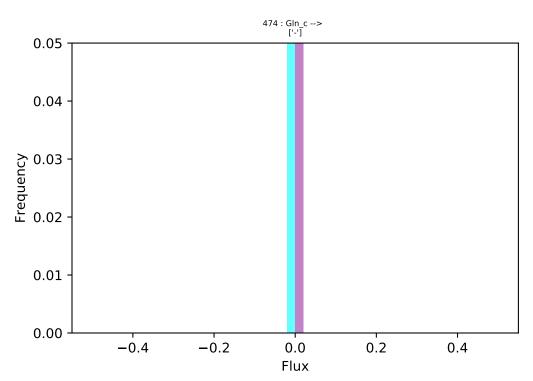


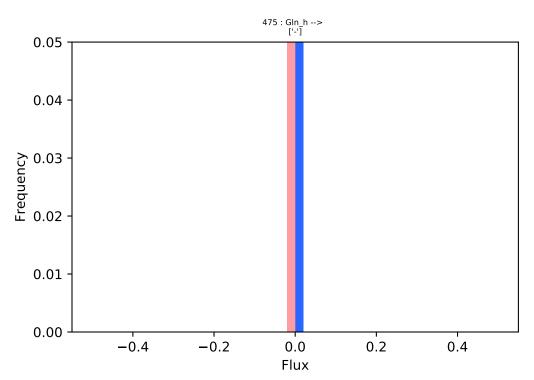


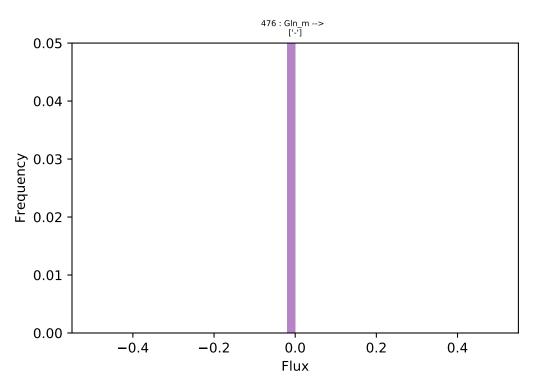


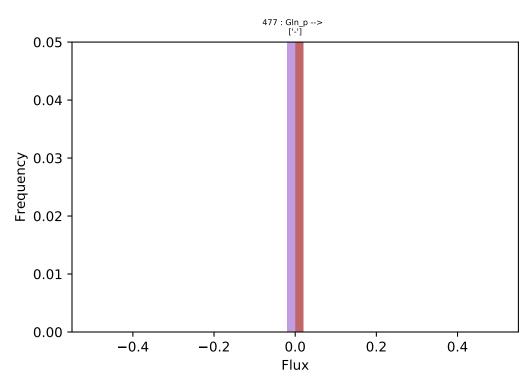


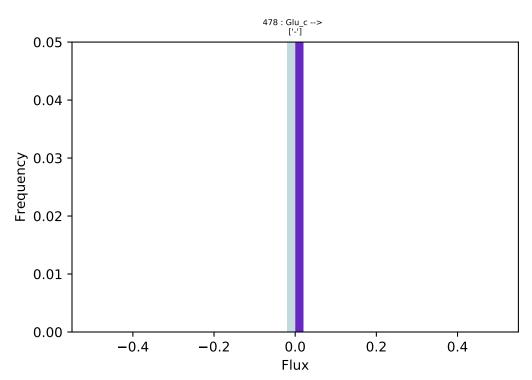


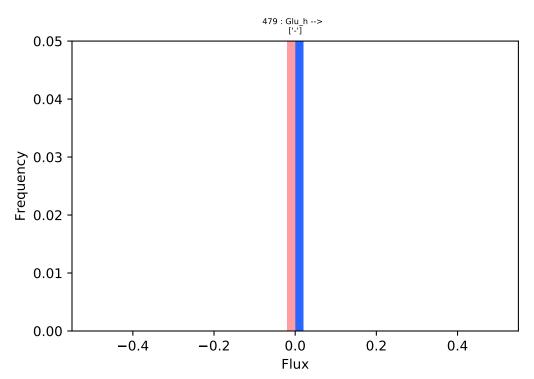


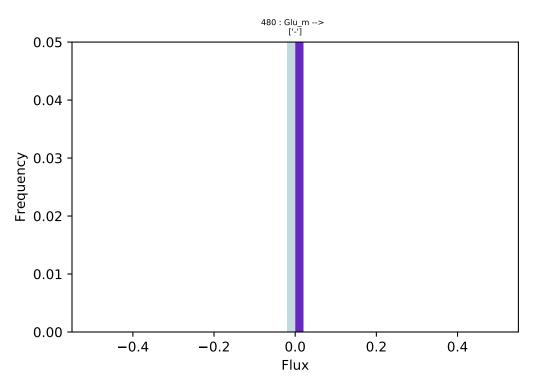


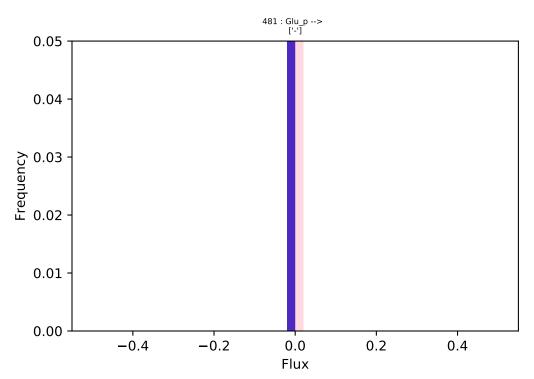


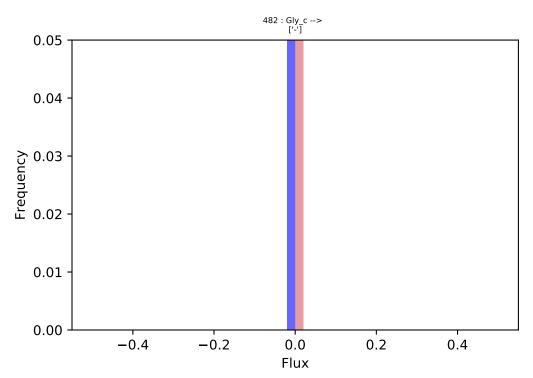


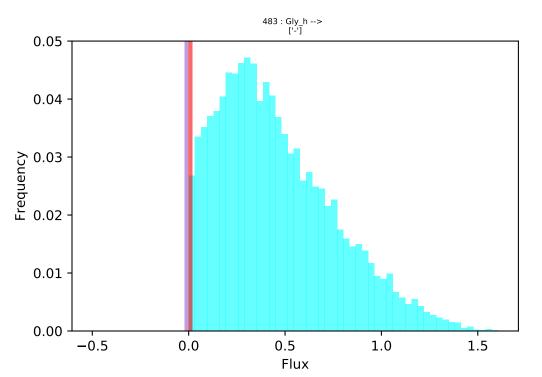


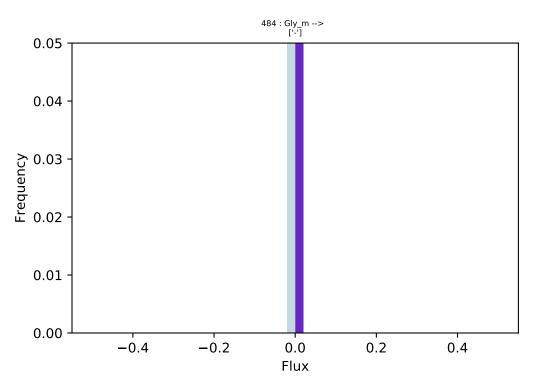


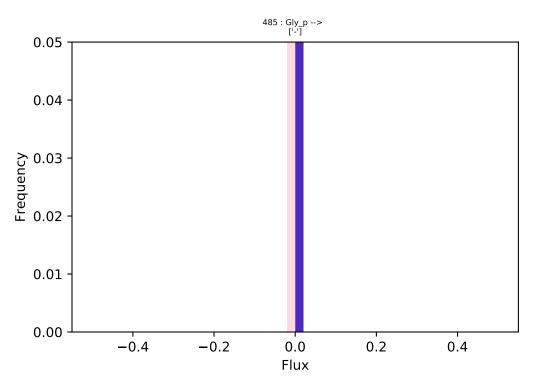


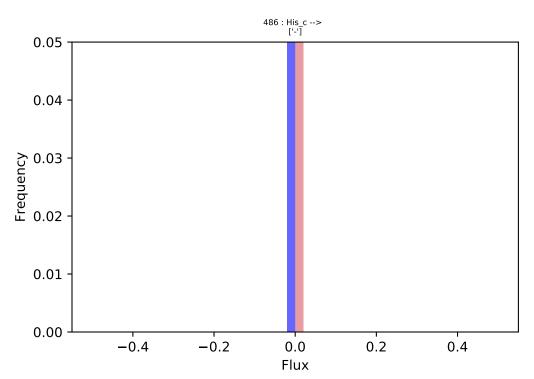


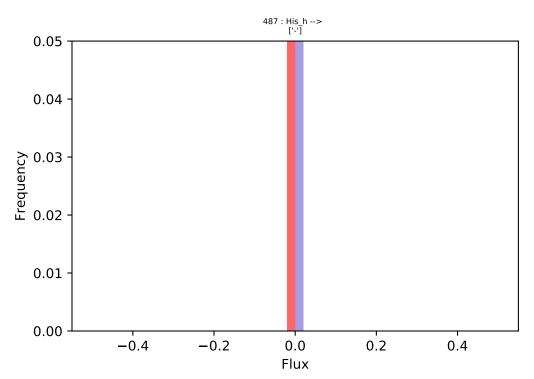


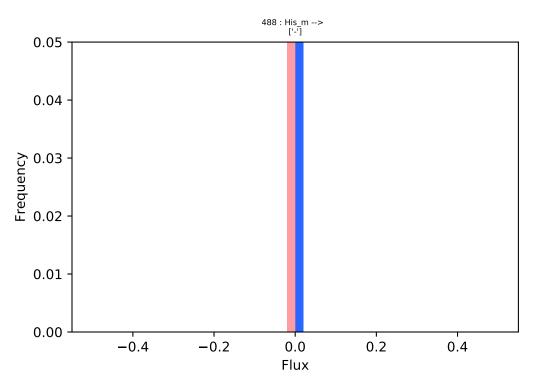


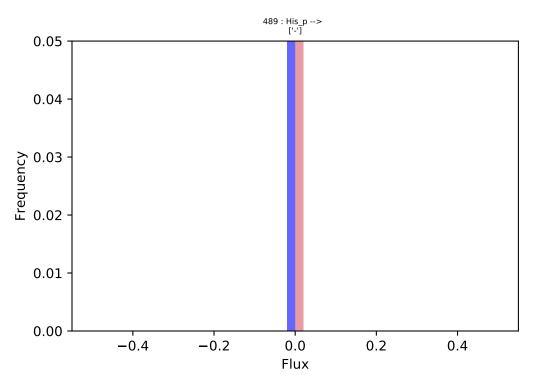


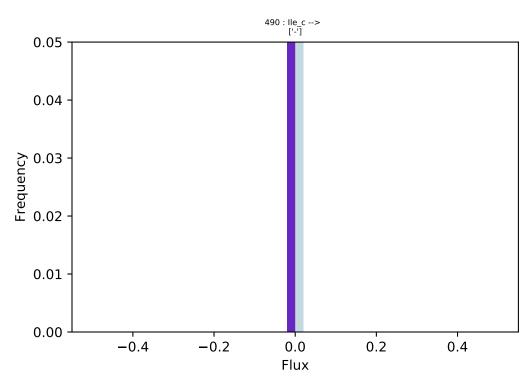


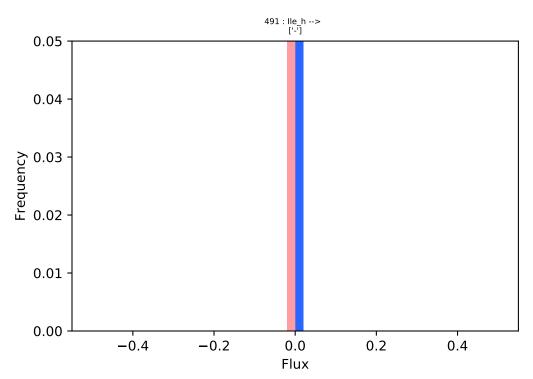


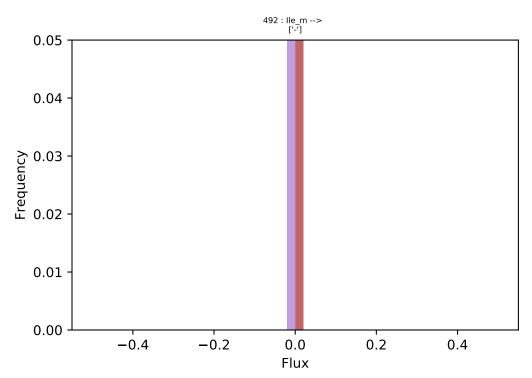


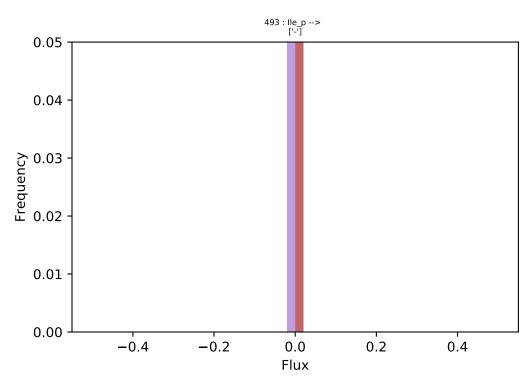


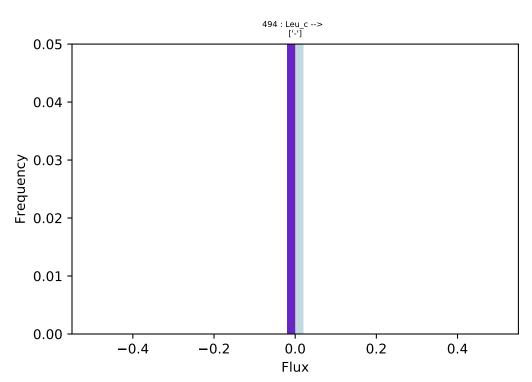


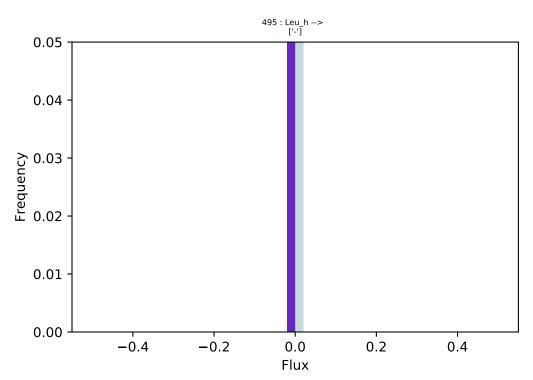


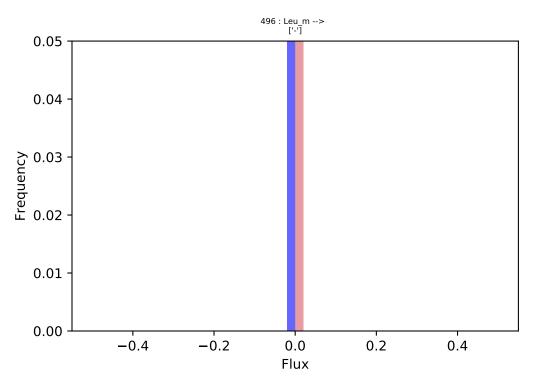


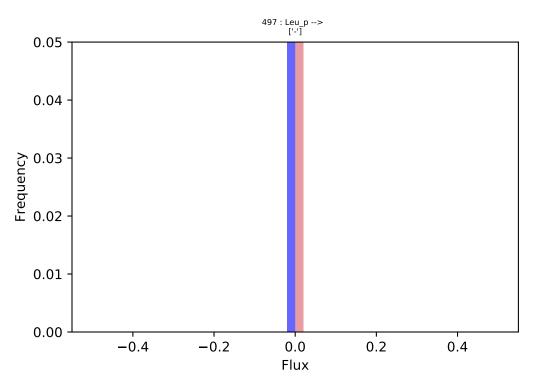


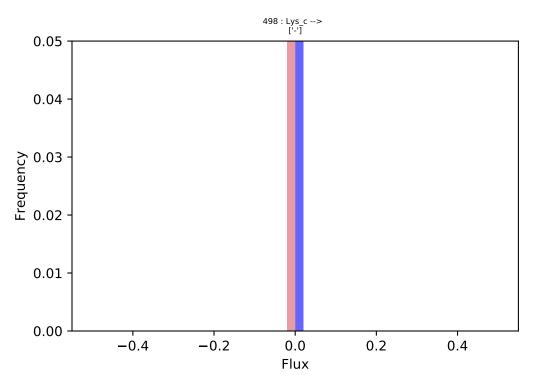


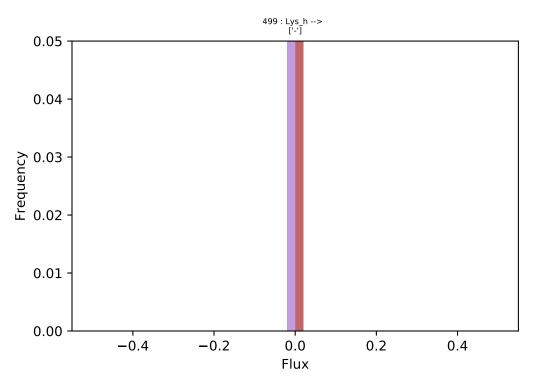


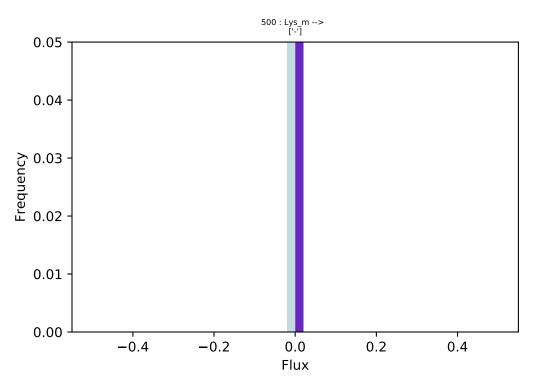


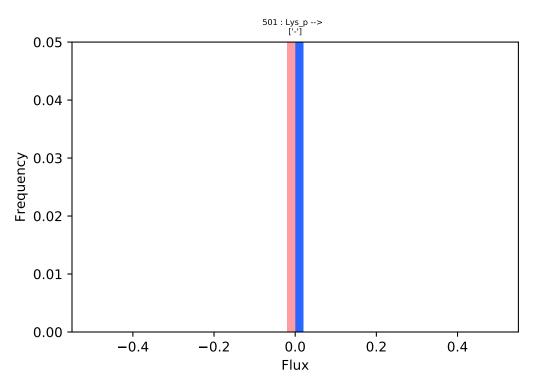


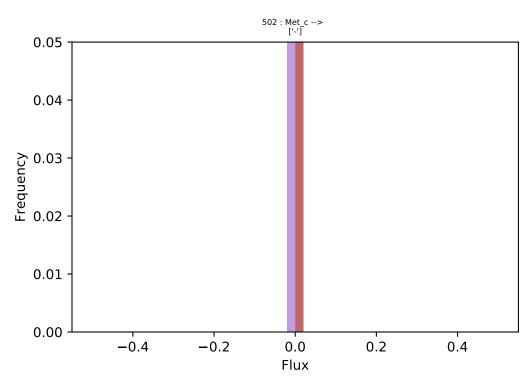


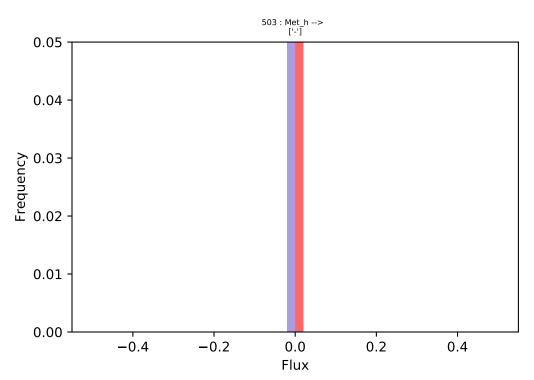


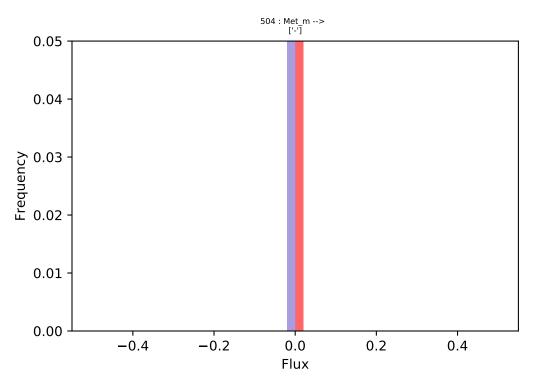


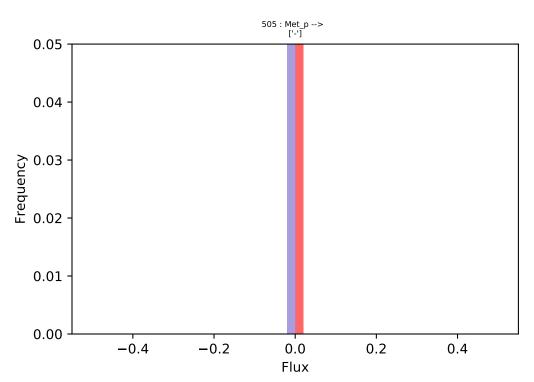


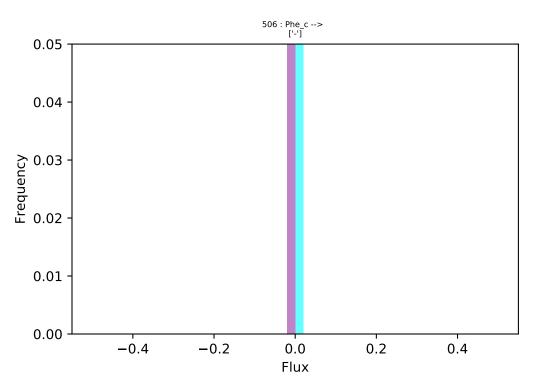


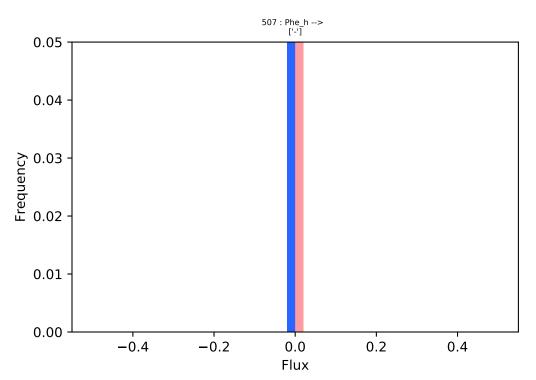


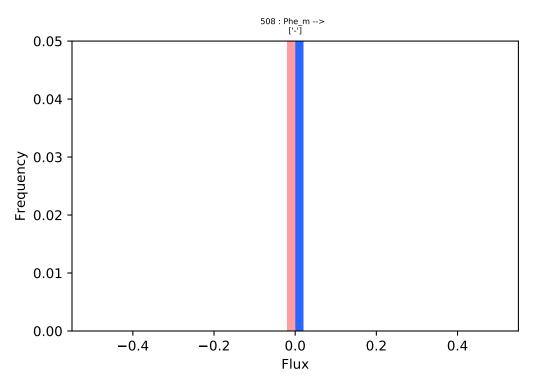


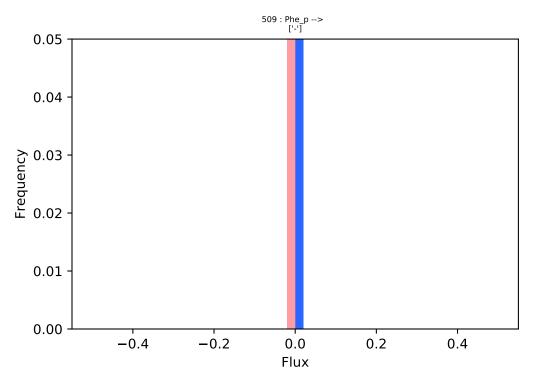


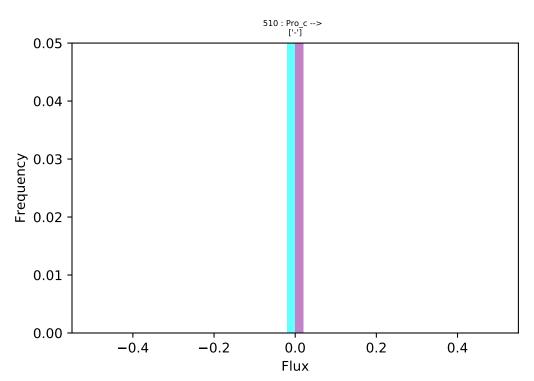


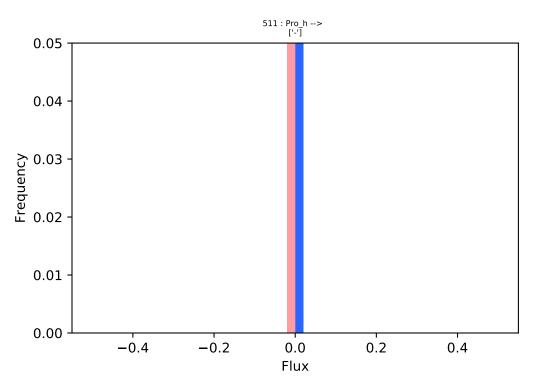


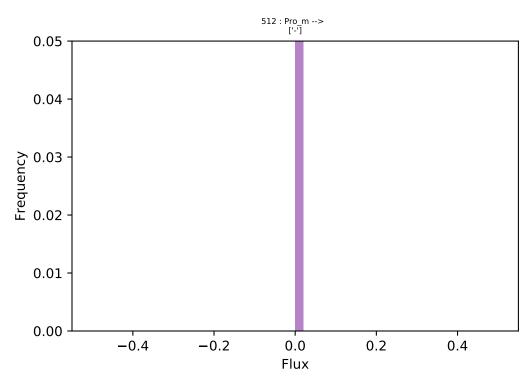


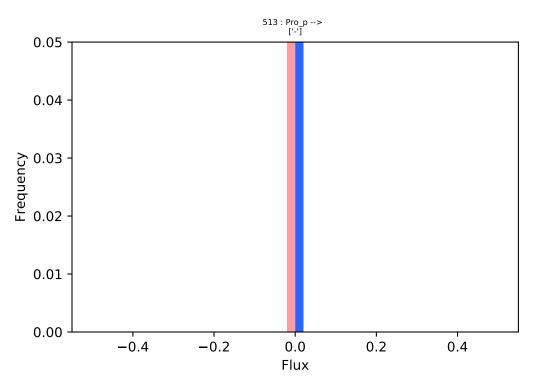


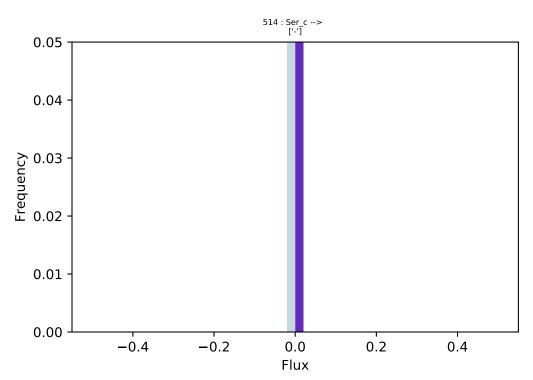


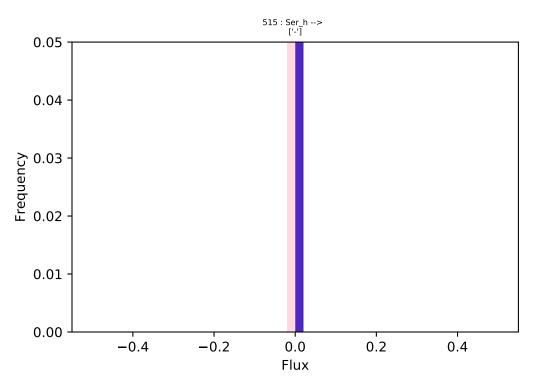


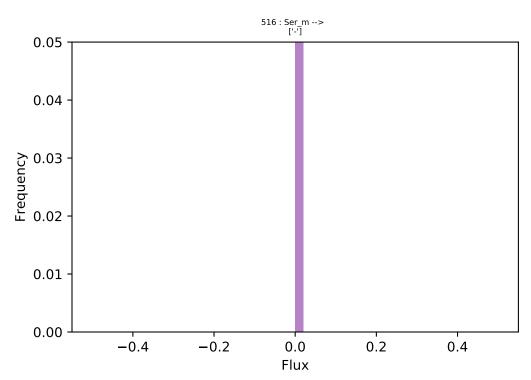


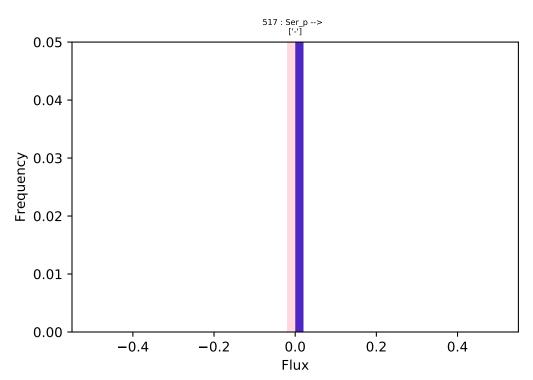


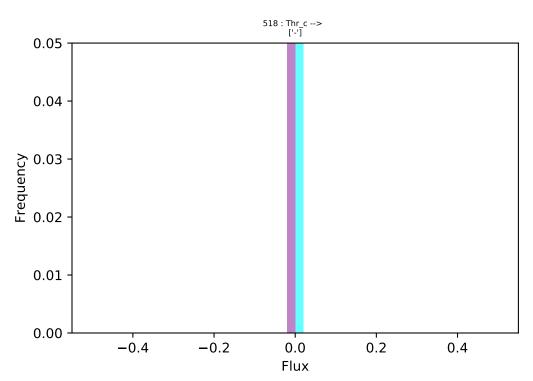


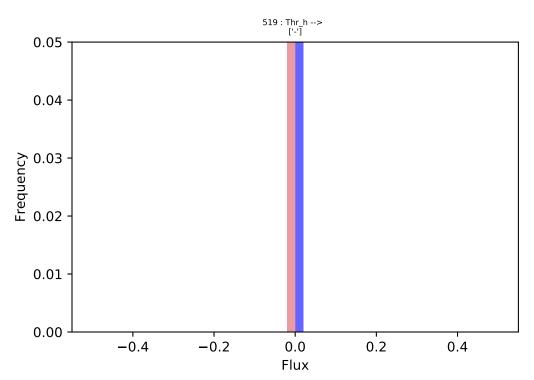


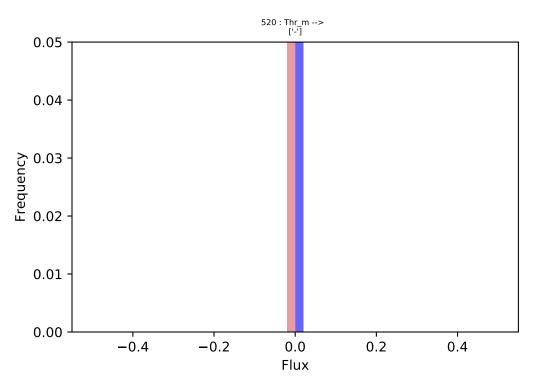


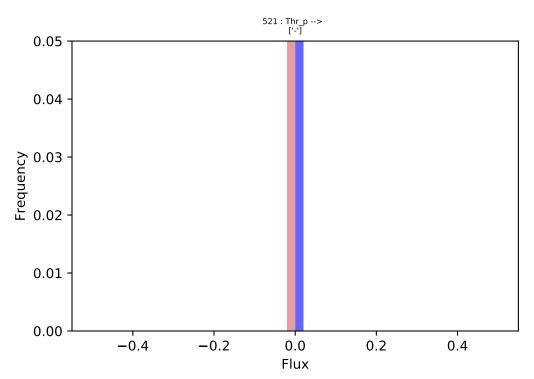


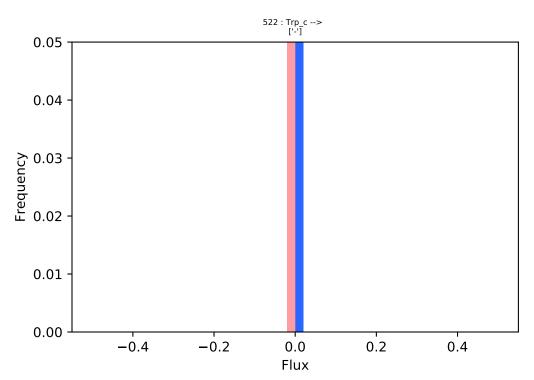


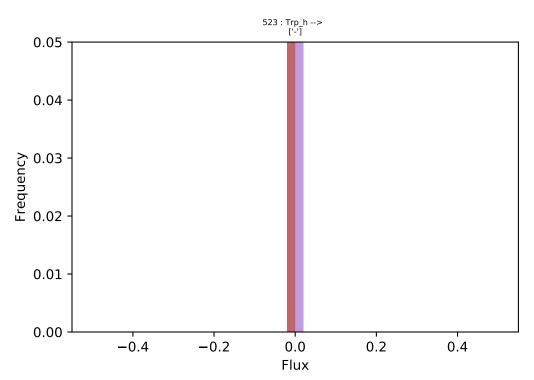


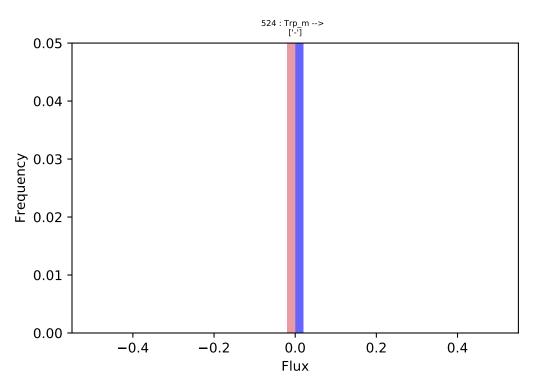


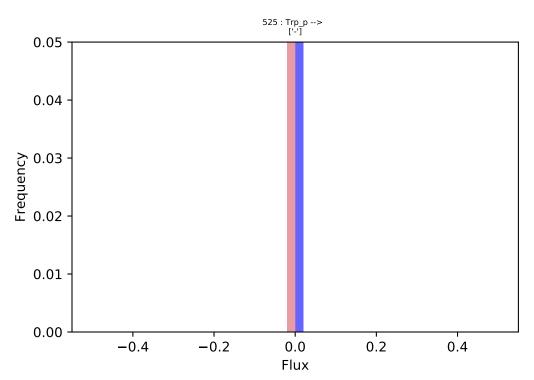


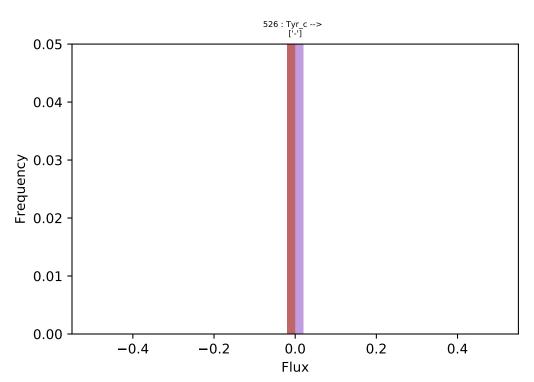


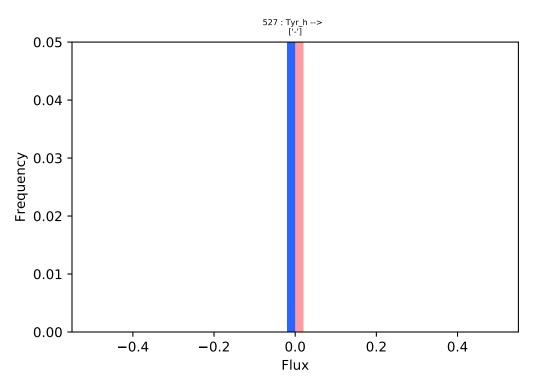


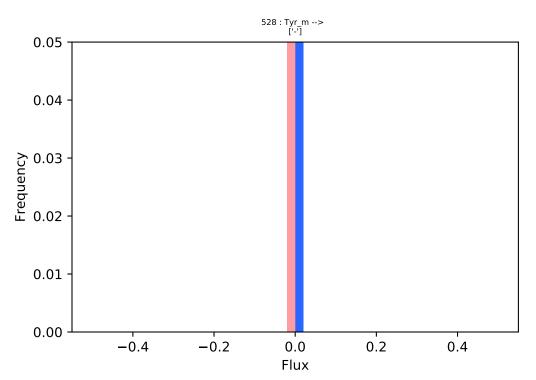


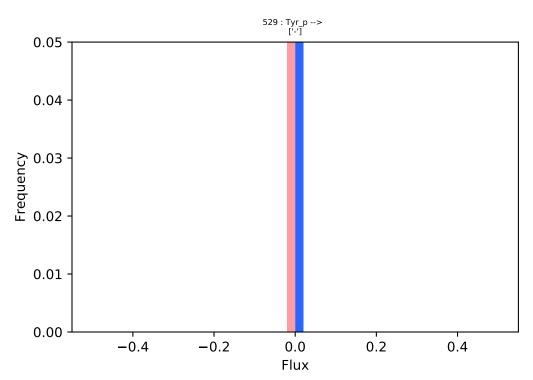


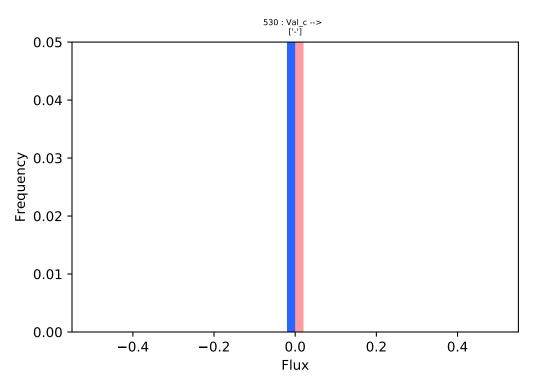


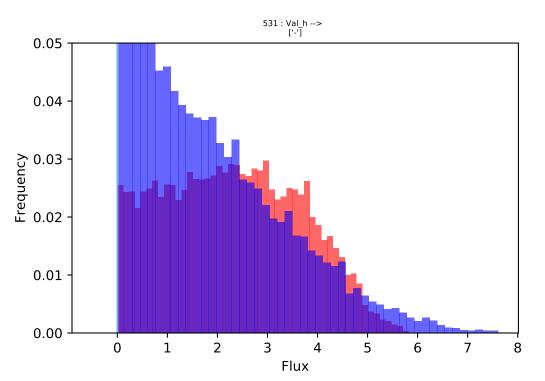


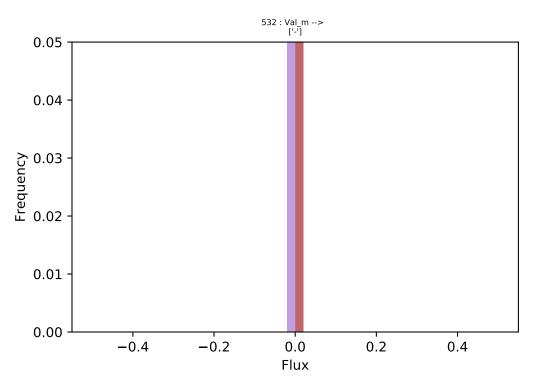


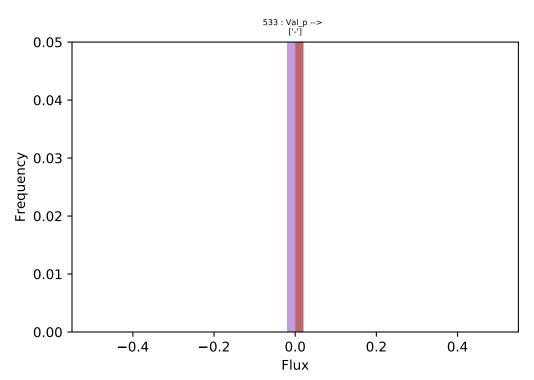


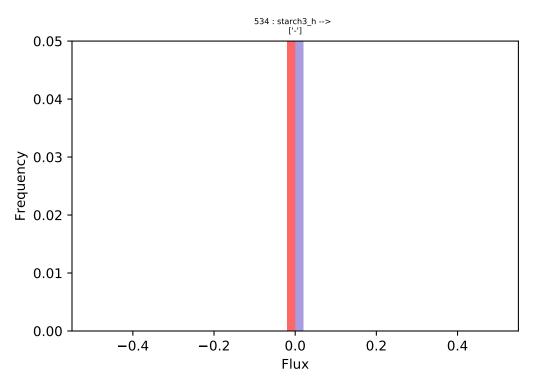


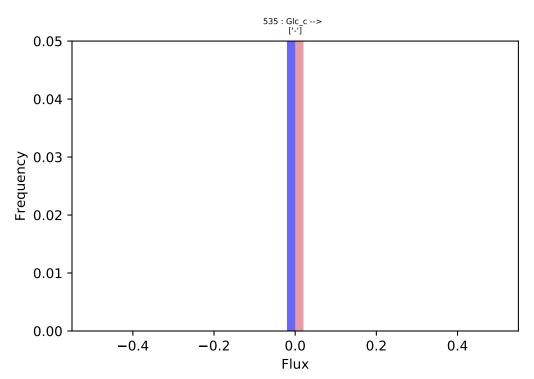


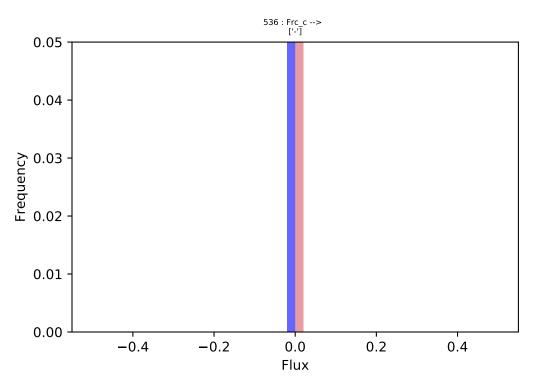


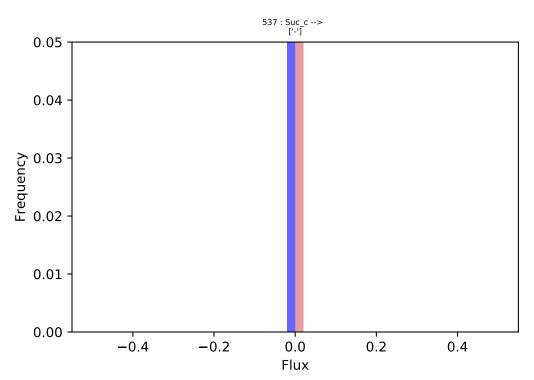


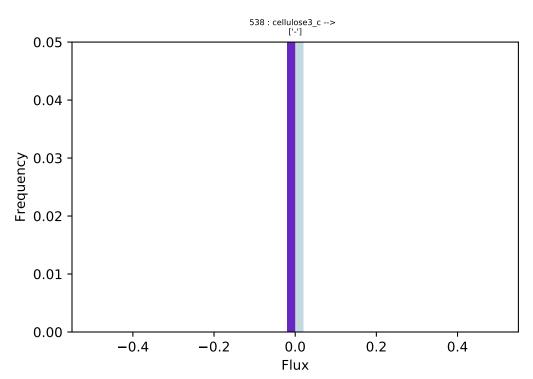


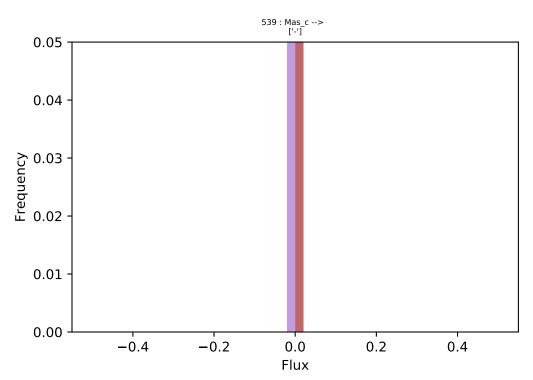


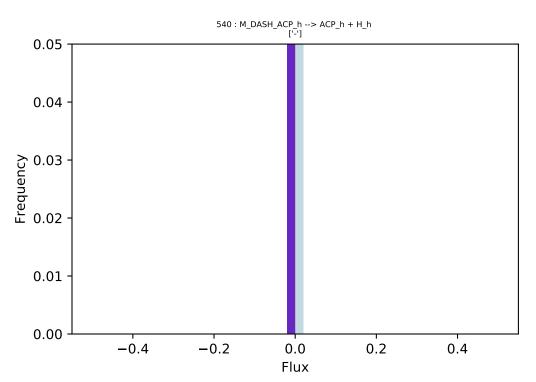


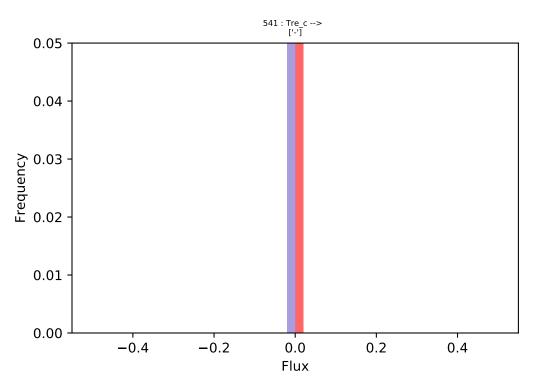


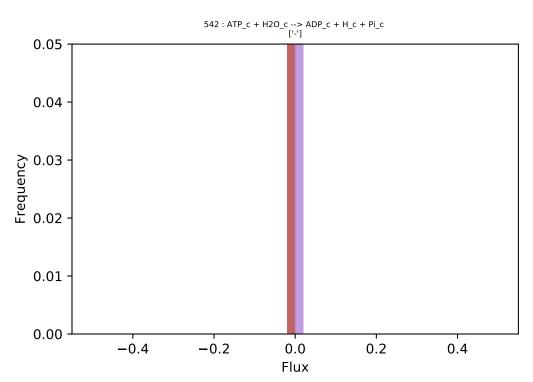


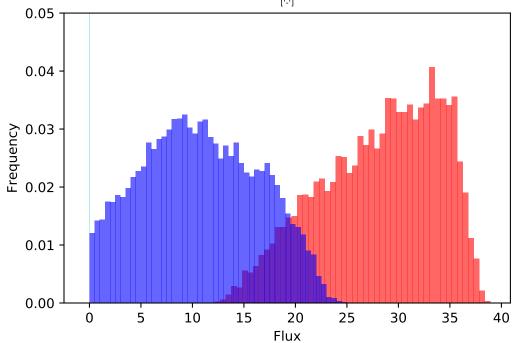












544 : ATP_m + H2O_m --> ADP_m + H_m + Pi_m ['-']

