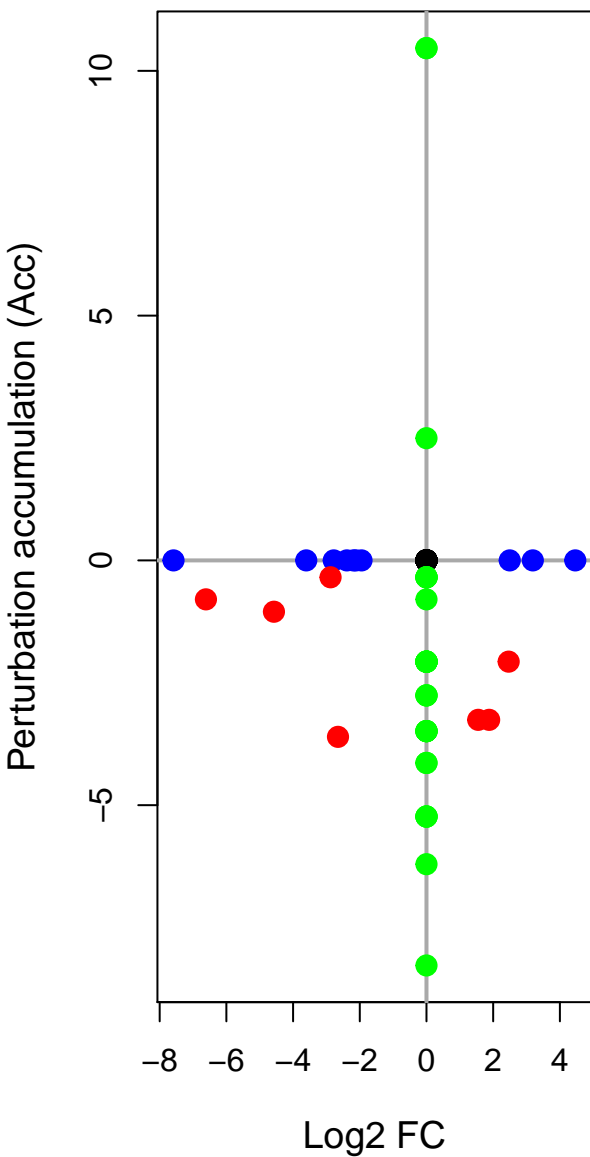
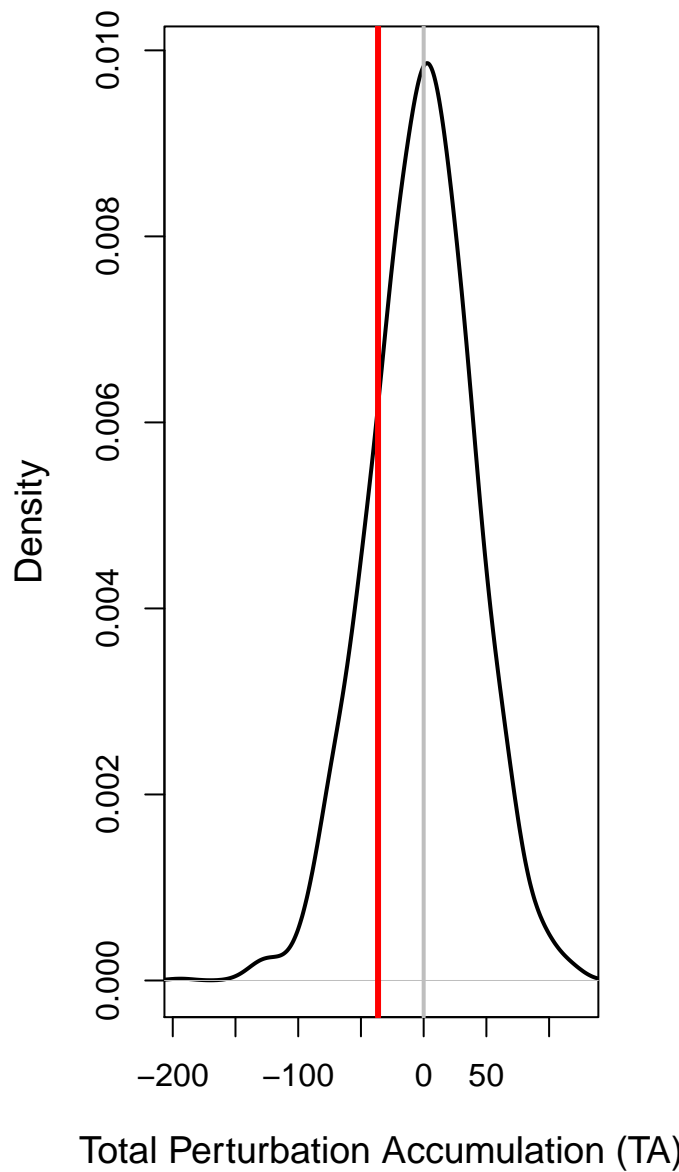


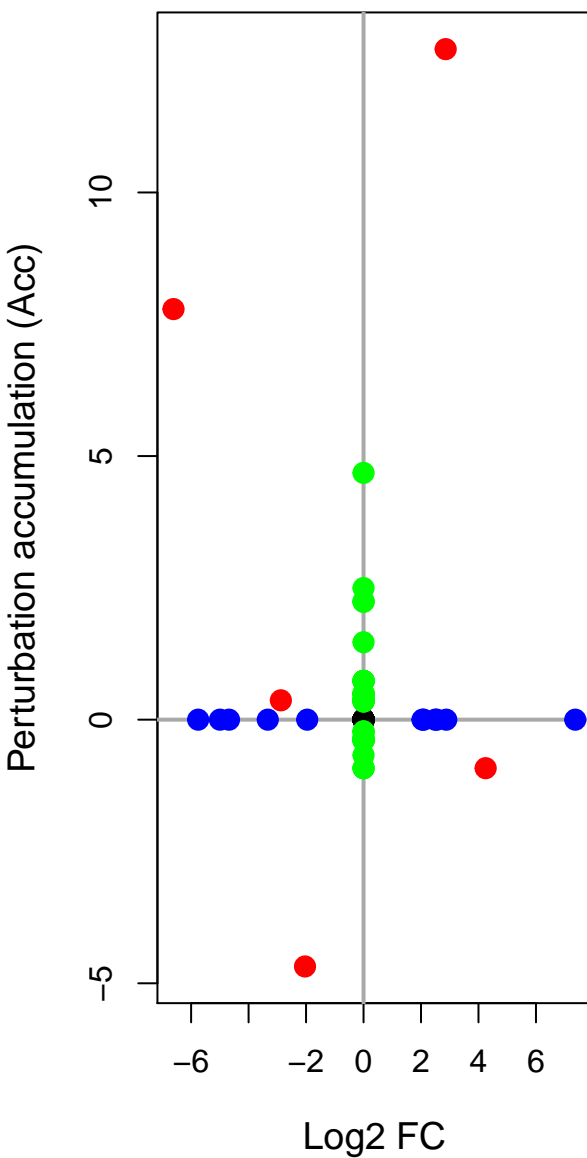
pathway ID=01521



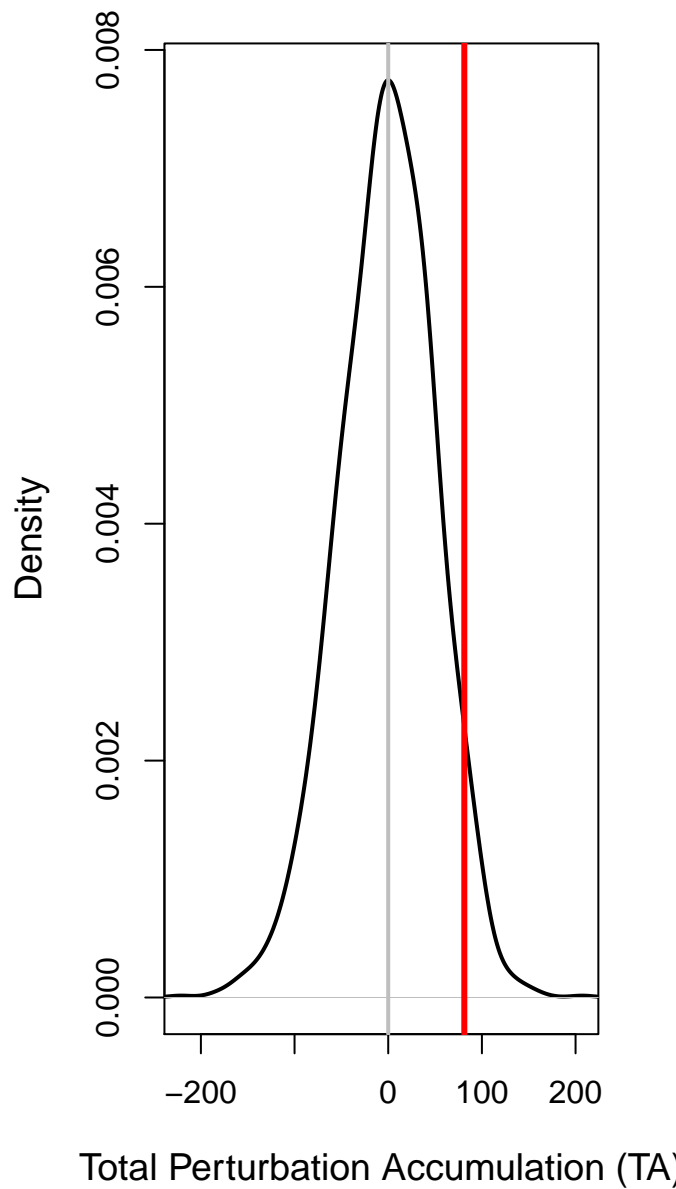
pathway ID=01521 P PERT=0.378



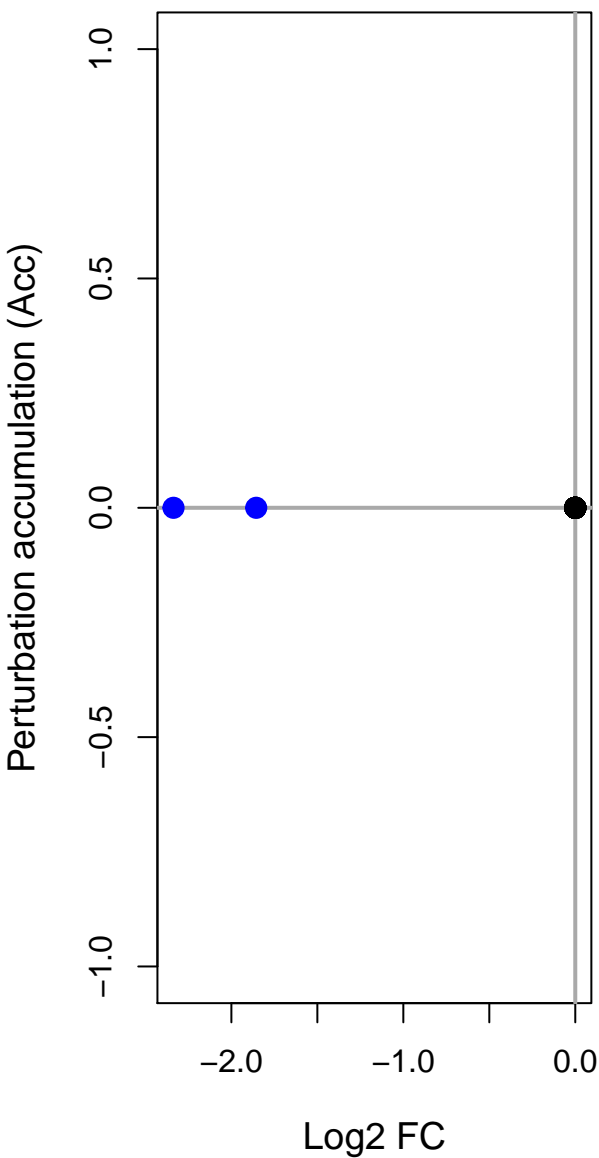
pathway ID=01522



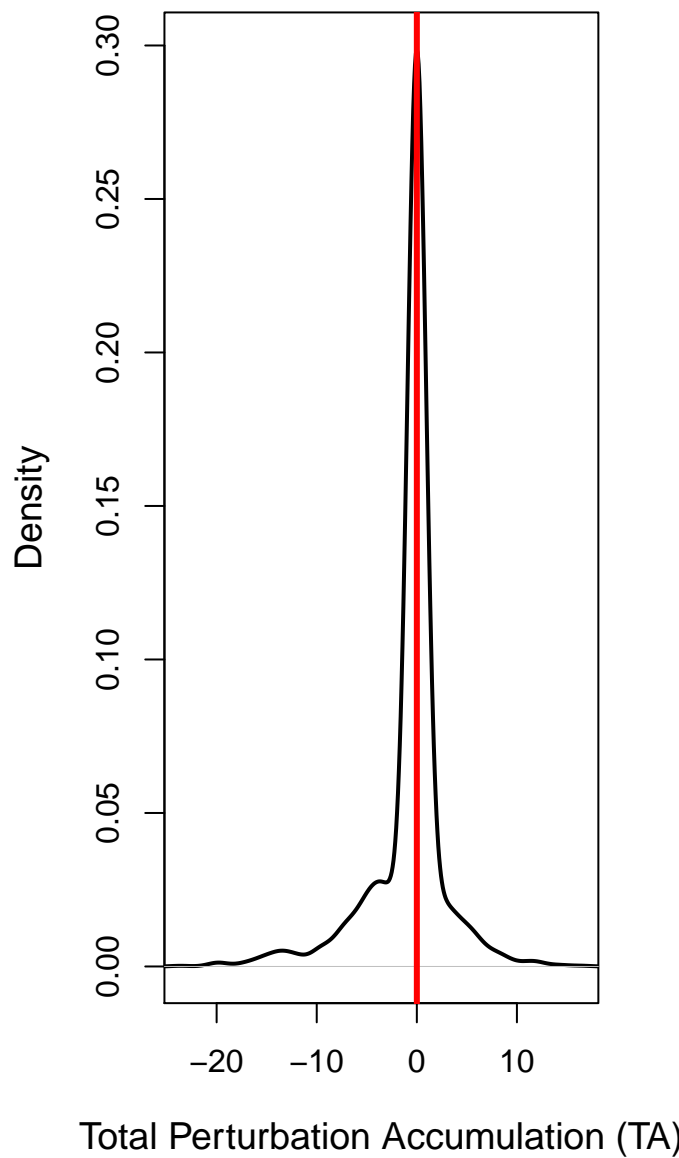
pathway ID=01522 P PERT=0.092



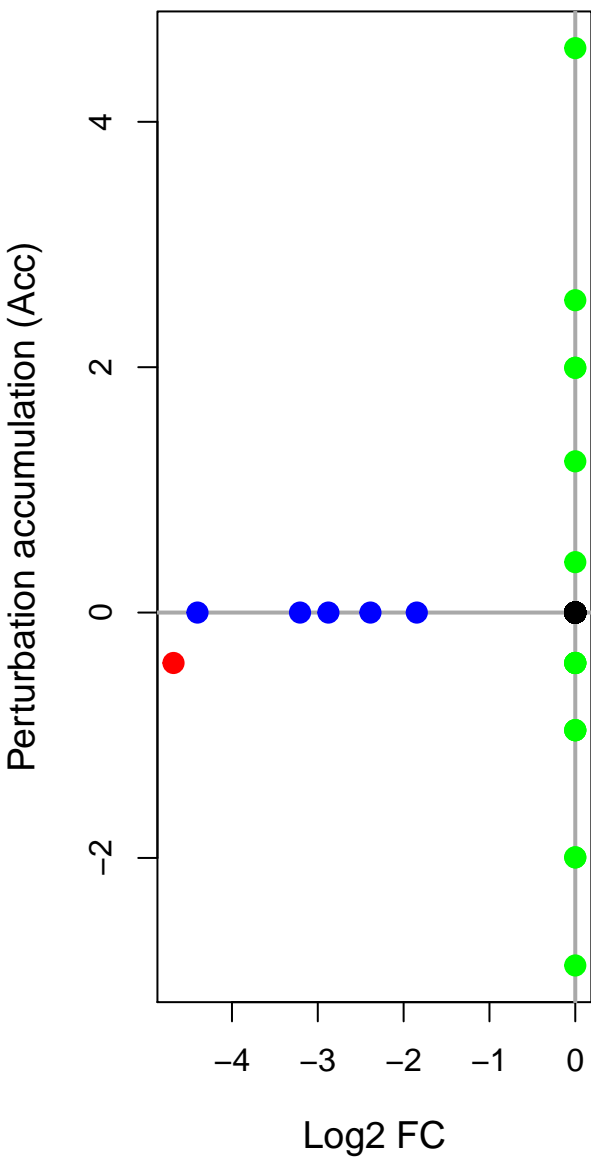
pathway ID=01523



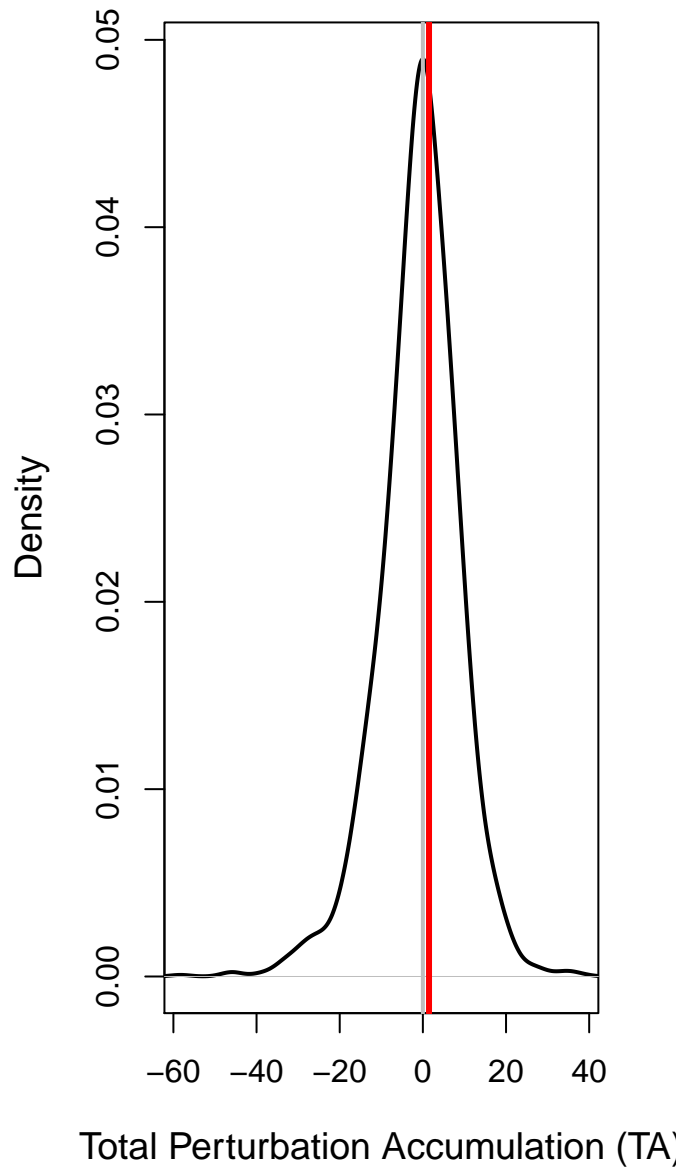
pathway ID=01523 P PERT=1



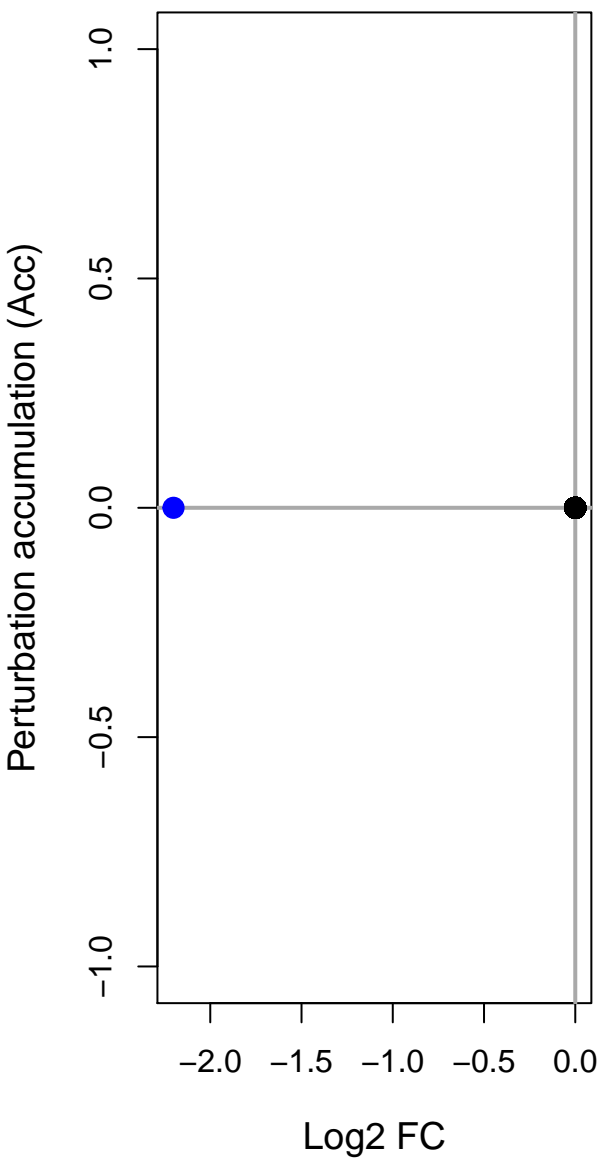
pathway ID=01524



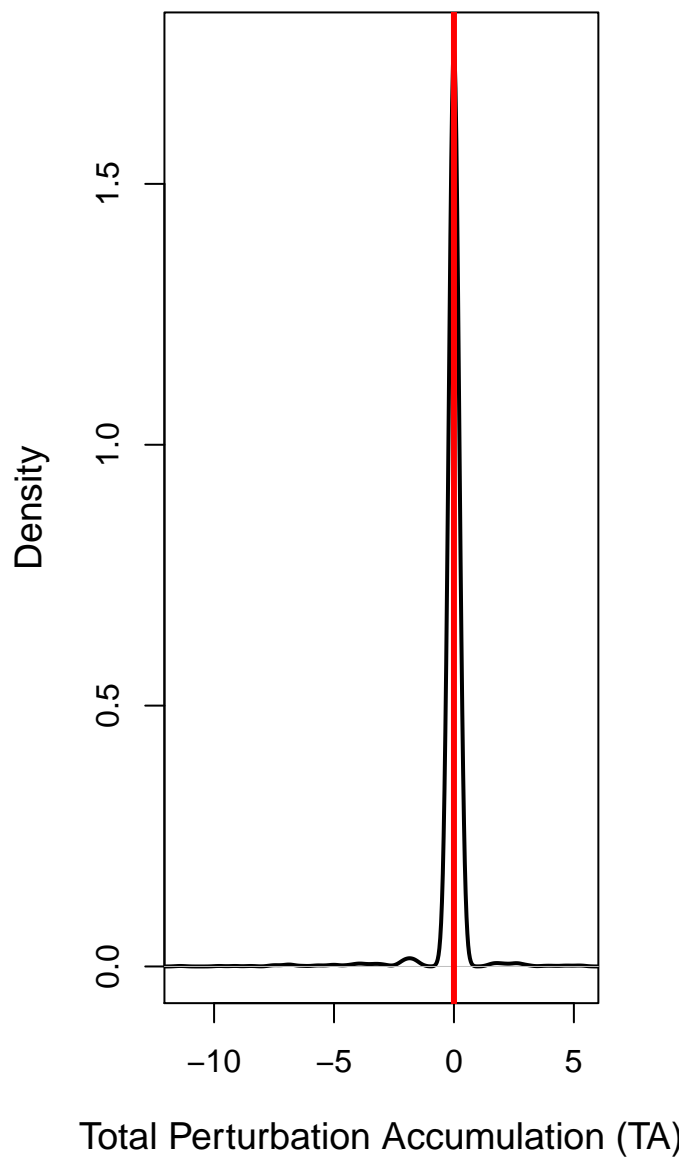
pathway ID=01524 P PERT=0.796



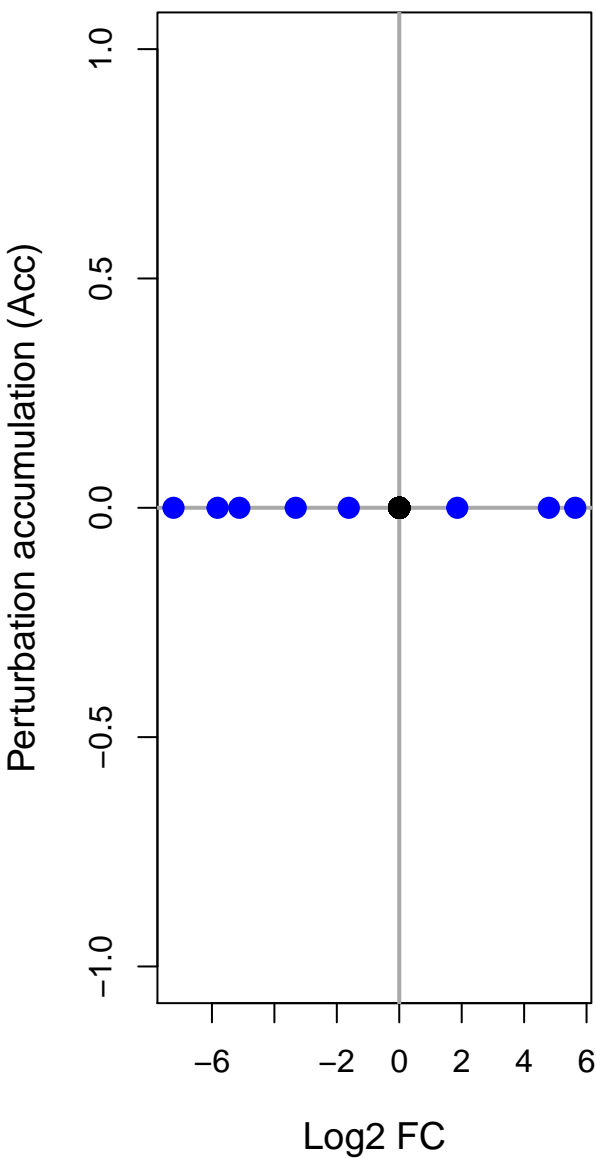
pathway ID=03013



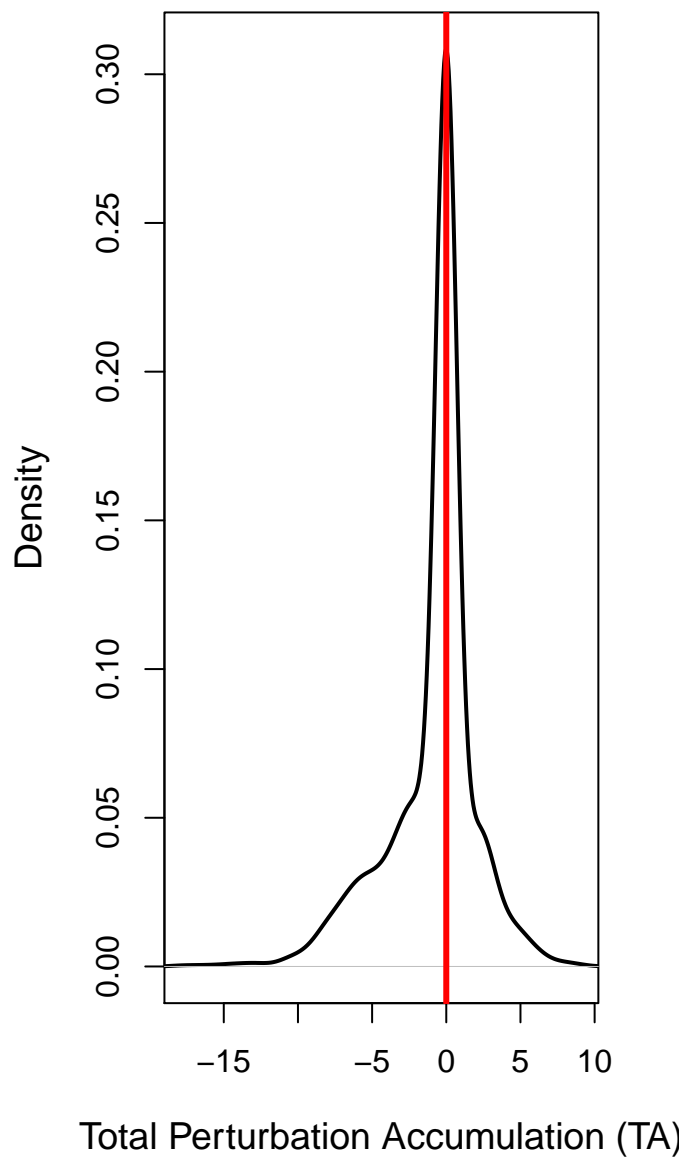
pathway ID=03013 P PERT=1



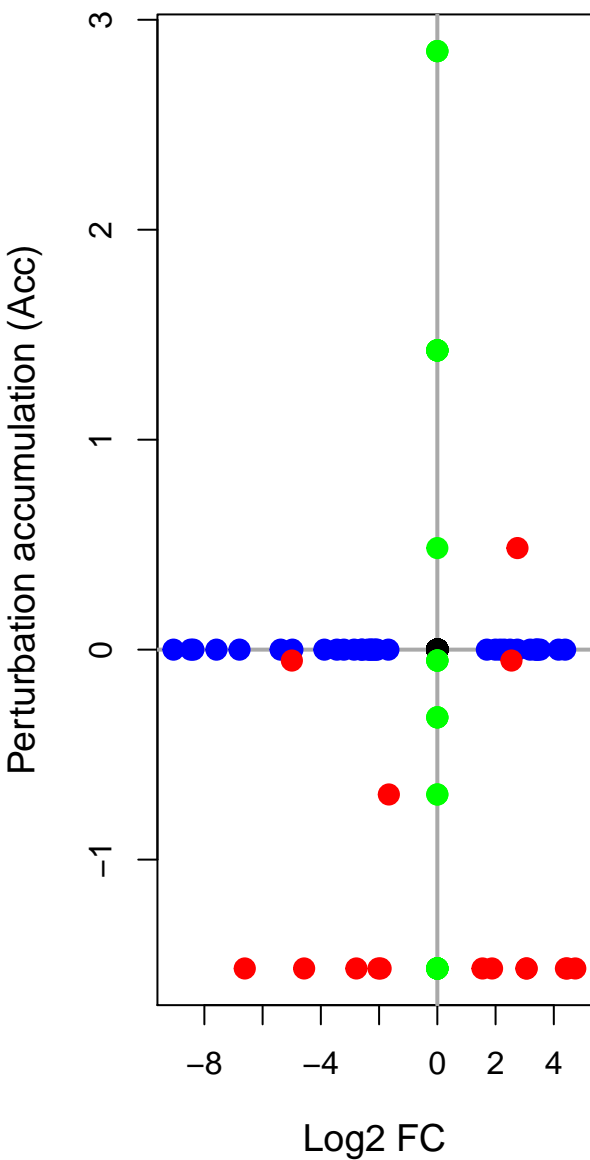
pathway ID=03320



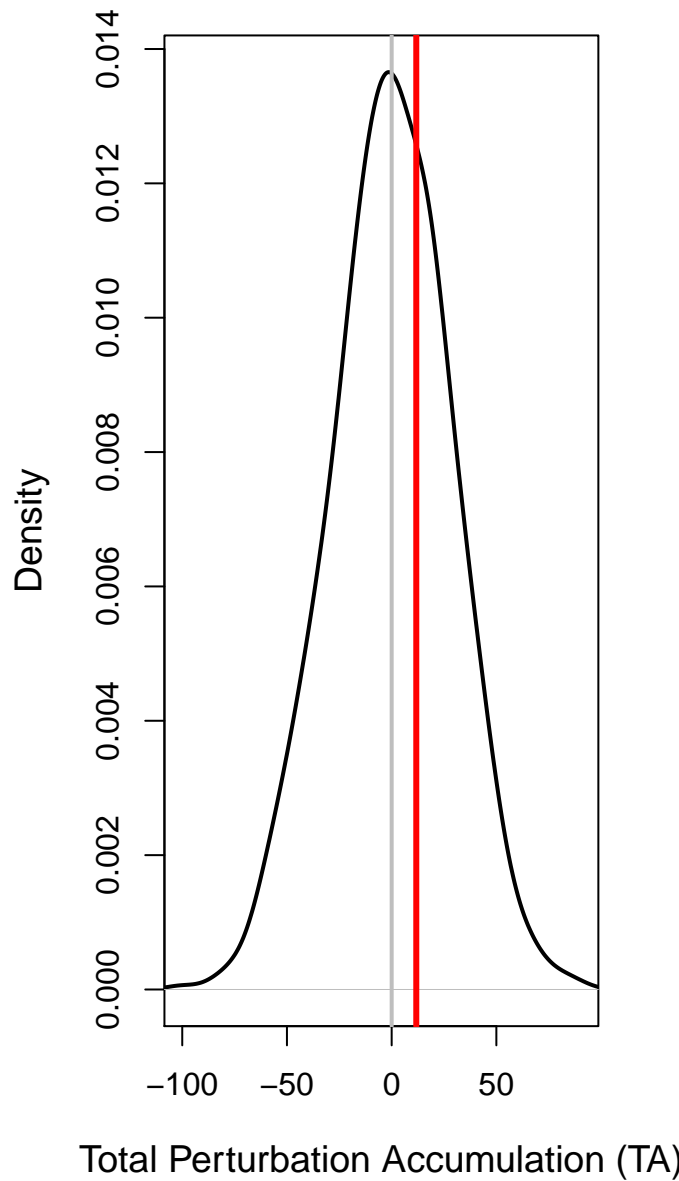
pathway ID=03320 P PERT=1



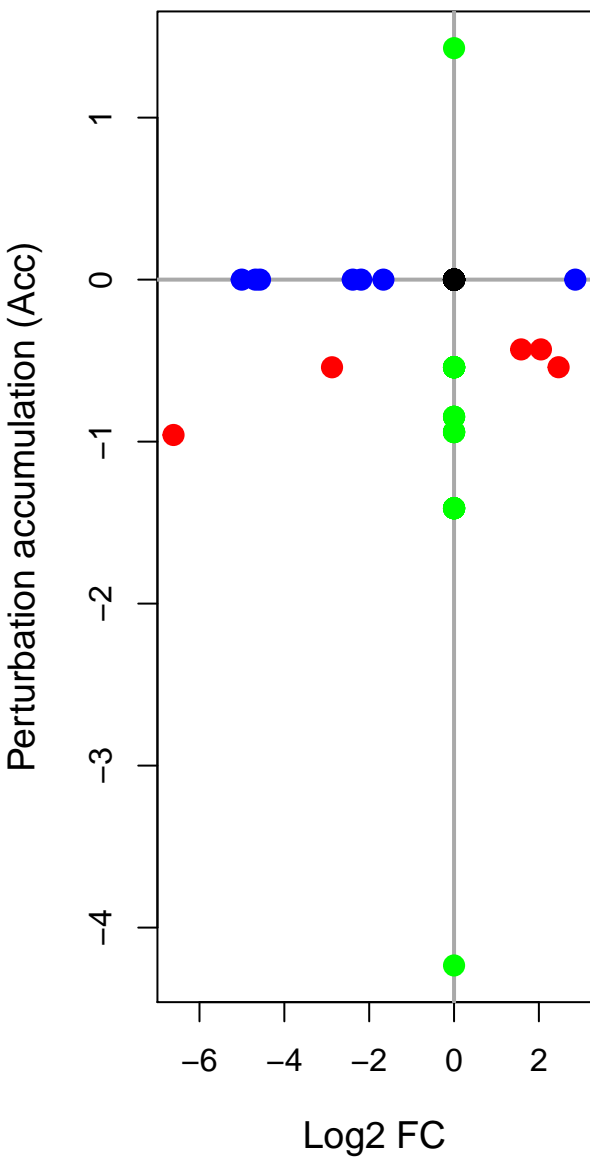
pathway ID=04010



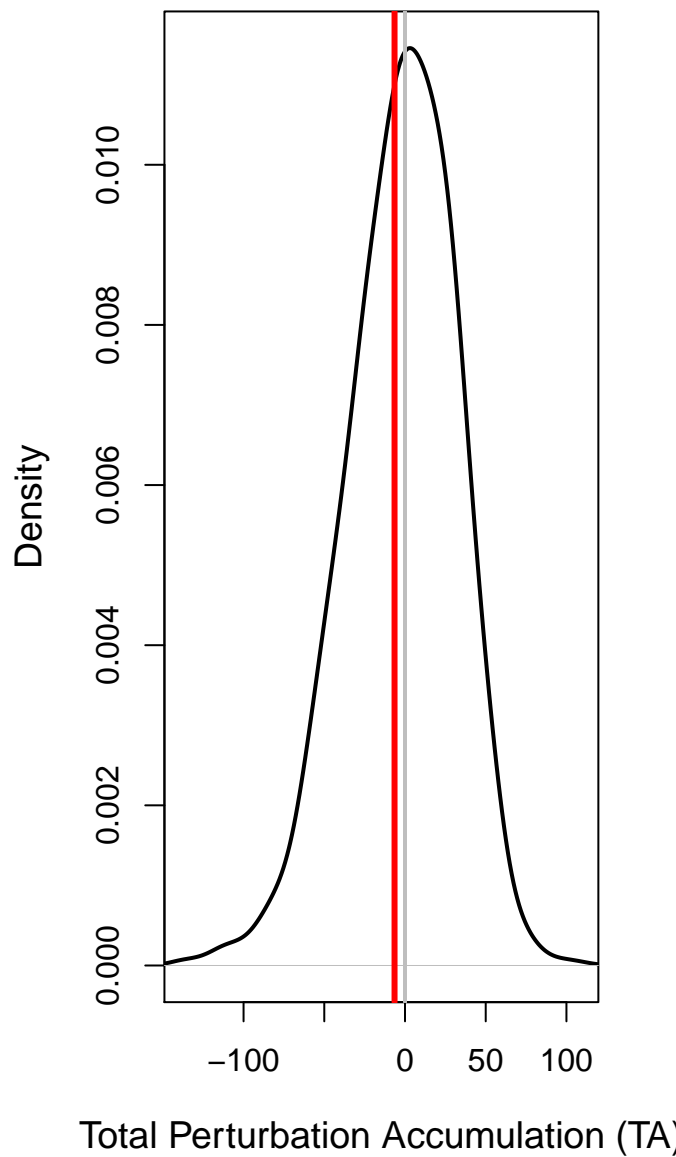
pathway ID=04010 P PERT=0.691



pathway ID=04012

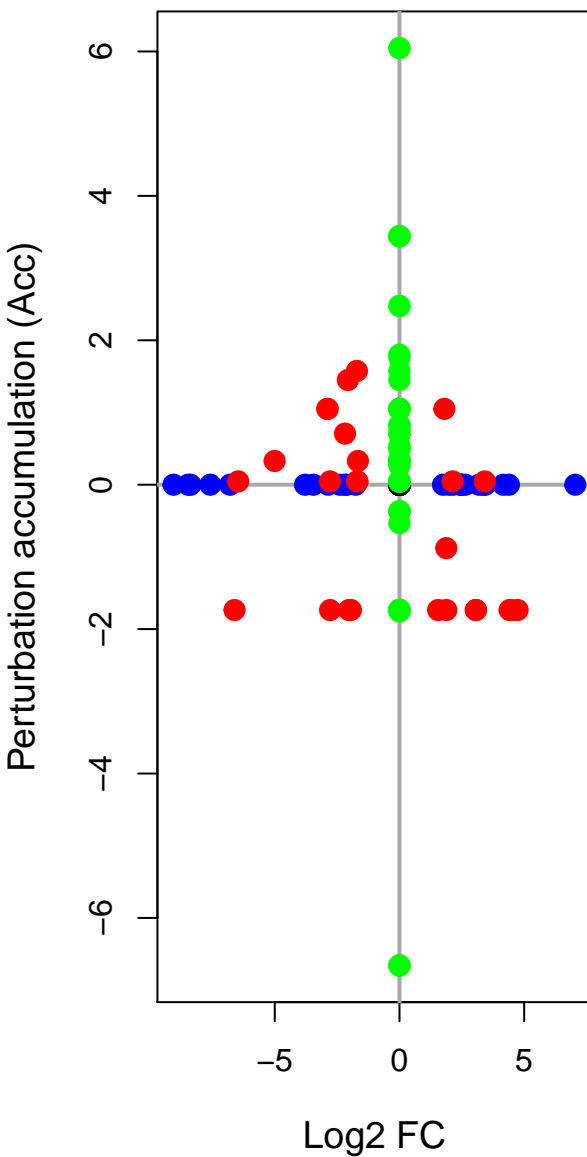


pathway ID=04012 P PERT=0.849

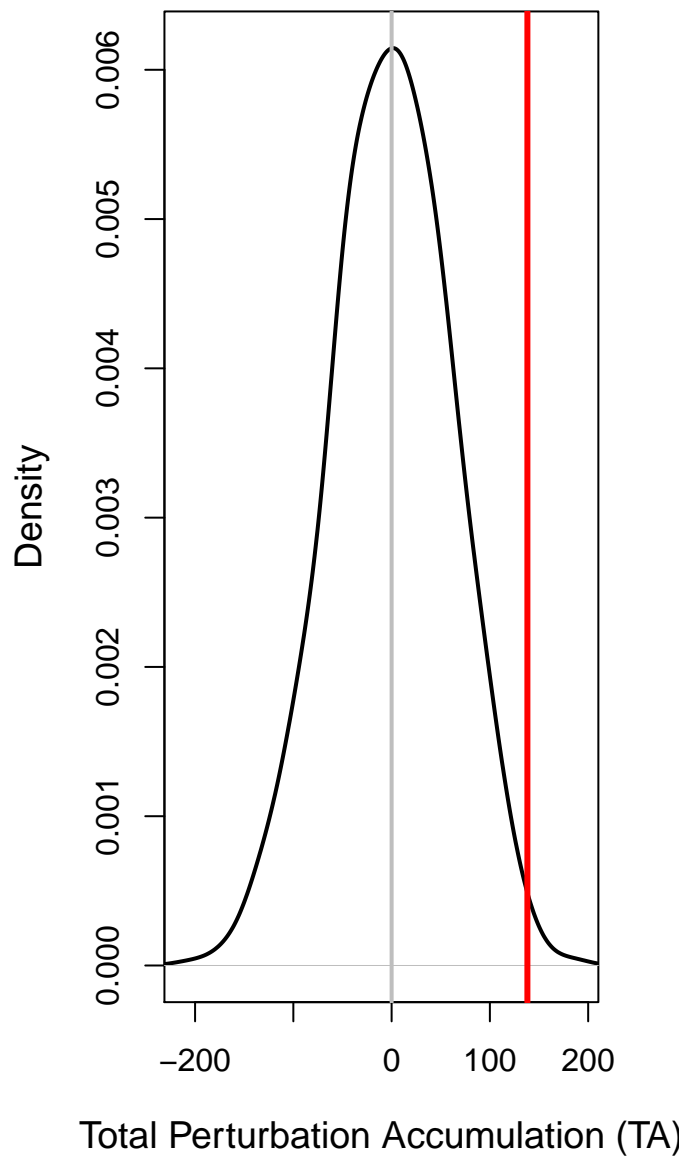




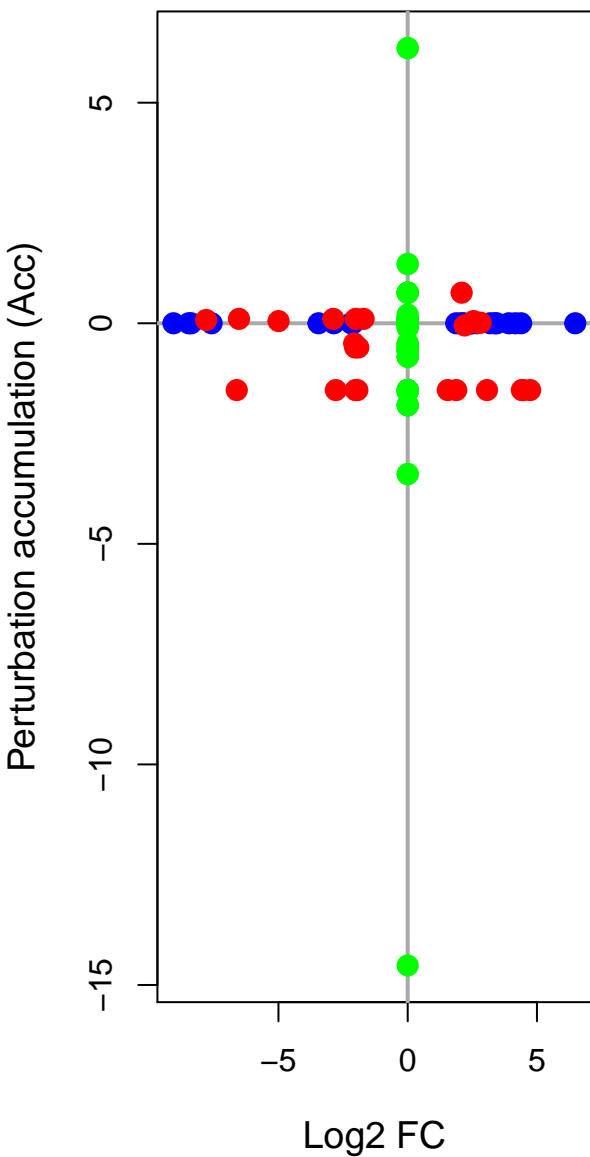
pathway ID=04014



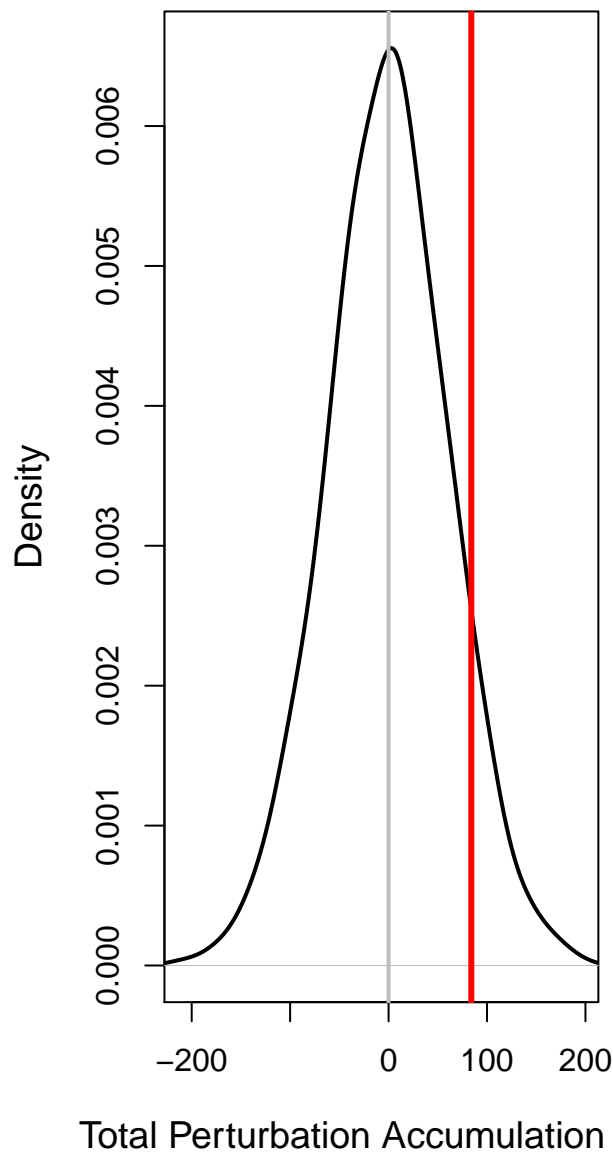
pathway ID=04014 P PERT=0.015



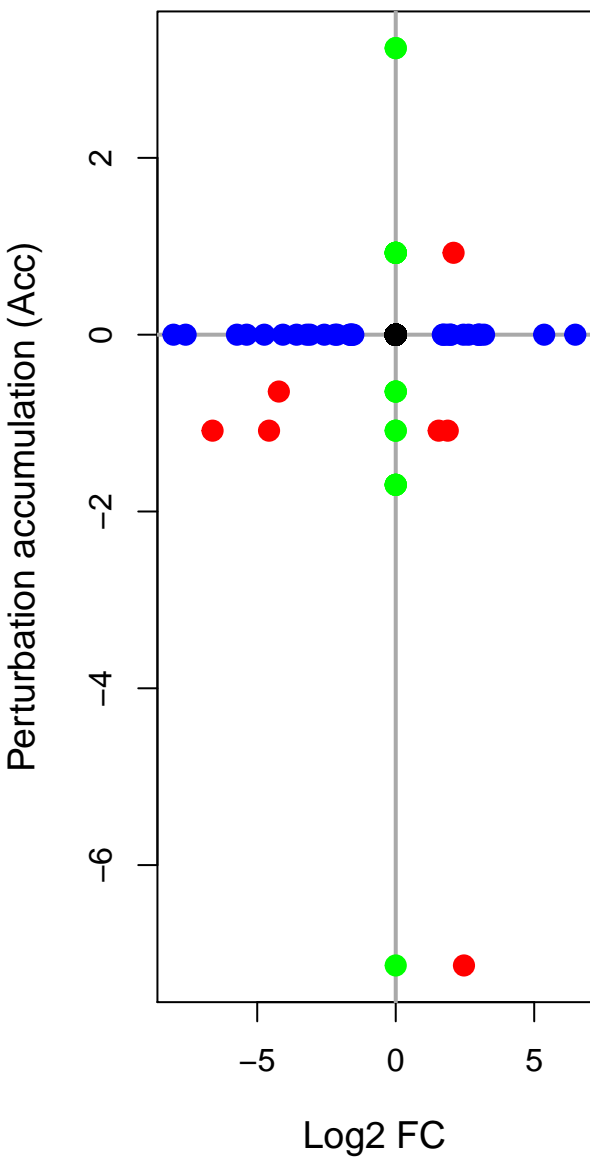
pathway ID=04015



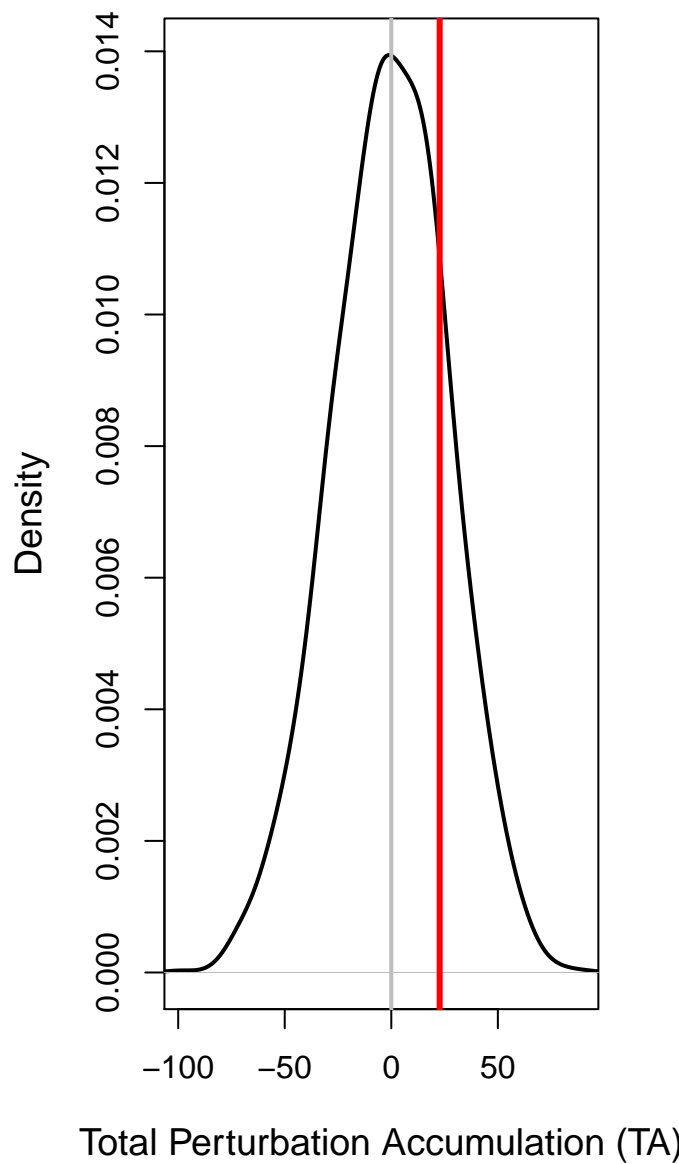
pathway ID=04015 P PERT=0.168



pathway ID=04020



pathway ID=04020 P PERT=0.393



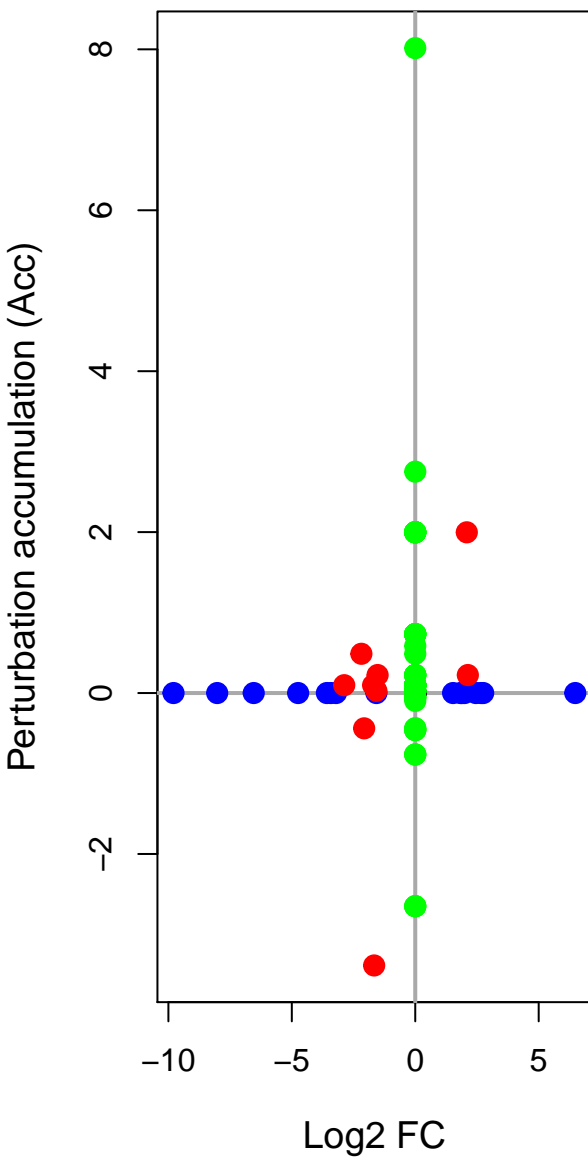
A scatter plot showing 100 data points. The x-axis ranges from -8 to 6, and the y-axis ranges from -8 to 8. The points are colored red, blue, and green. A vertical line is drawn at  $x = 0$ . The red points are scattered across the plot, with a notable concentration in the upper right quadrant. The blue points are clustered around the x-axis, particularly between  $x = -4$  and  $x = 4$ . The green points are clustered along the vertical line  $x = 0$ , spanning the full range of the y-axis.

# Density

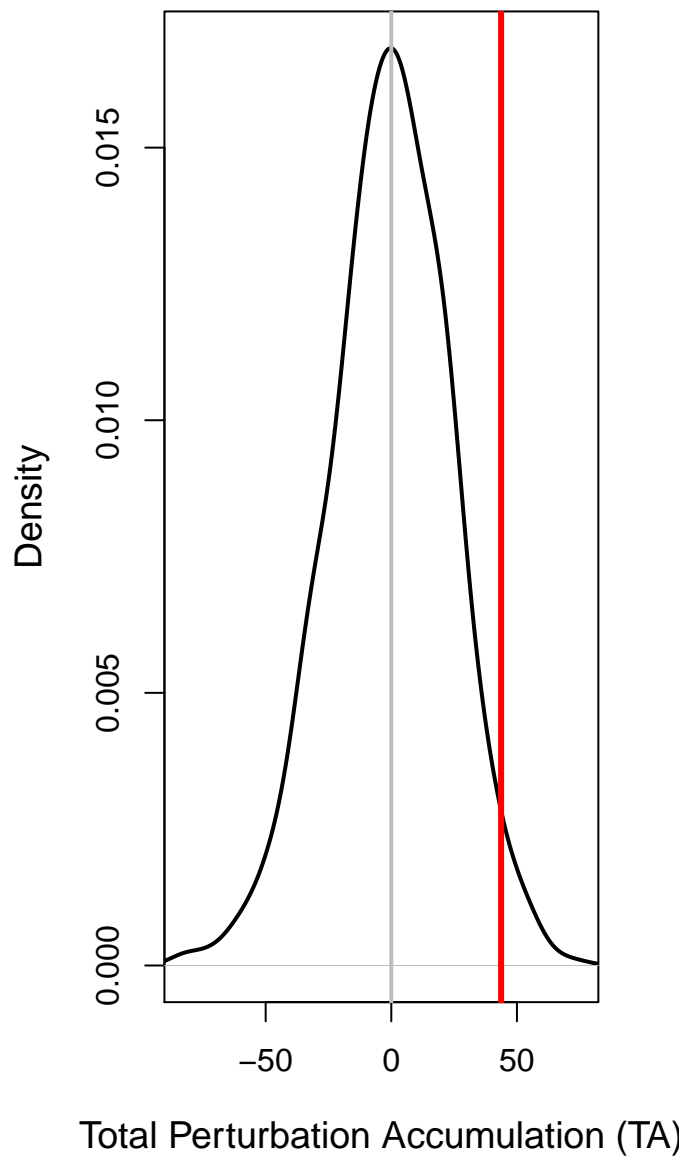
A plot of a normal distribution curve. The x-axis ranges from -100 to 100, with major ticks at -100, 0, 50, and 100. The y-axis ranges from 0.000 to 0.012, with major ticks every 0.002. A black curve represents the probability density function, centered at 0. A vertical red line is drawn at approximately x = 10, and a vertical grey line is drawn at x = 0.

## Total Perturbation Accumulation (TA)

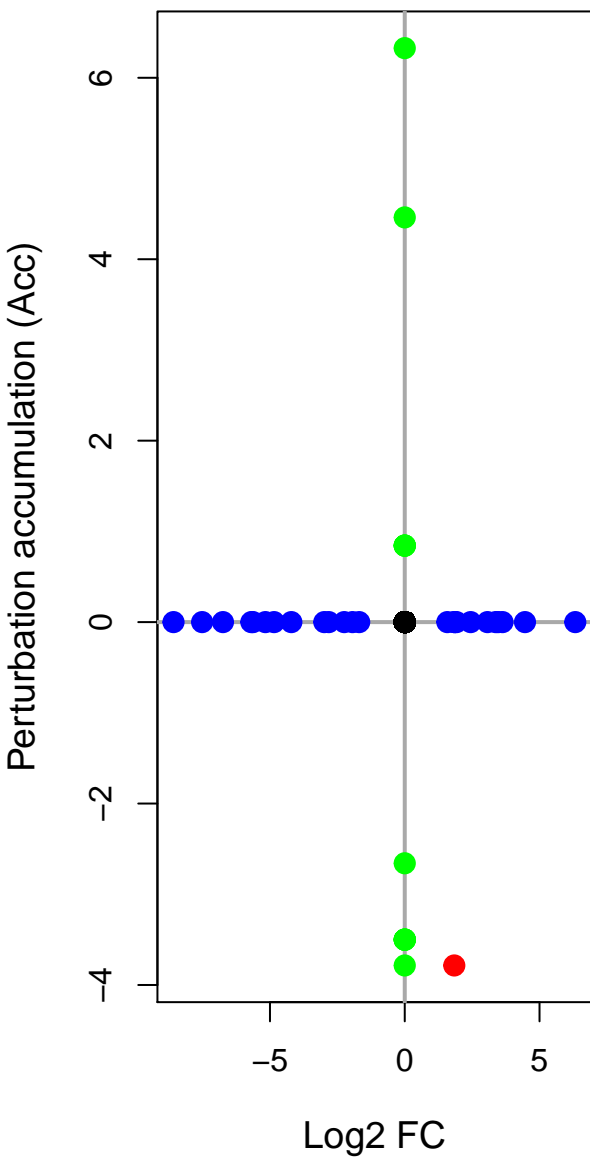
pathway ID=04024



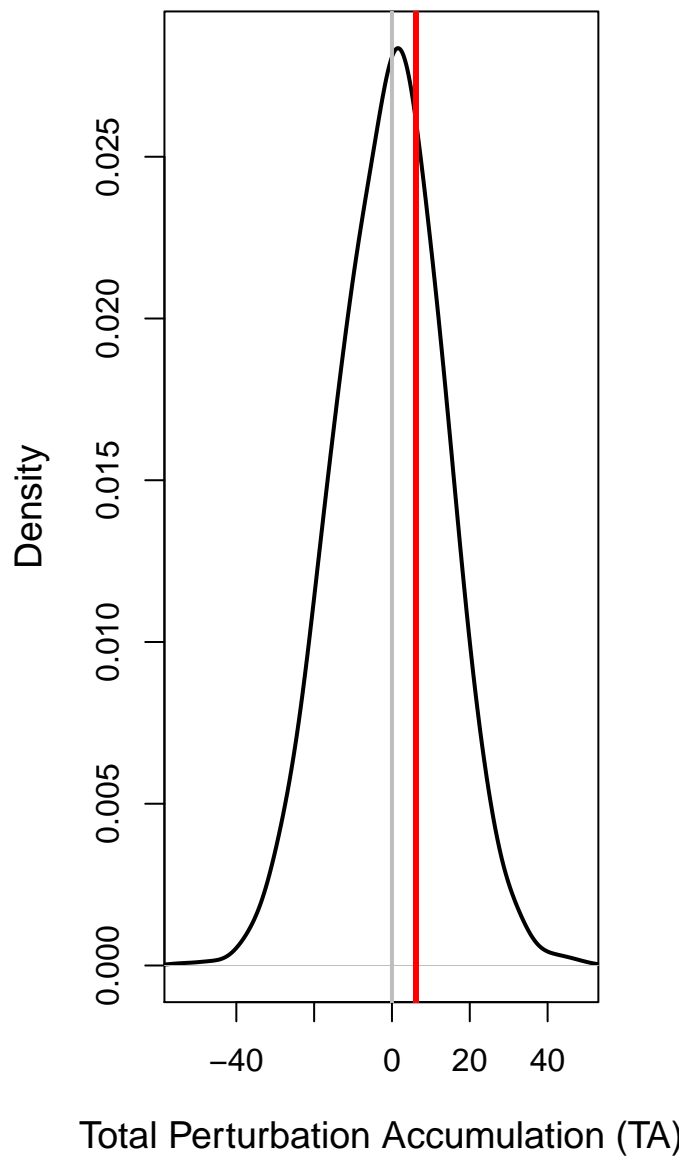
pathway ID=04024 P PERT=0.054



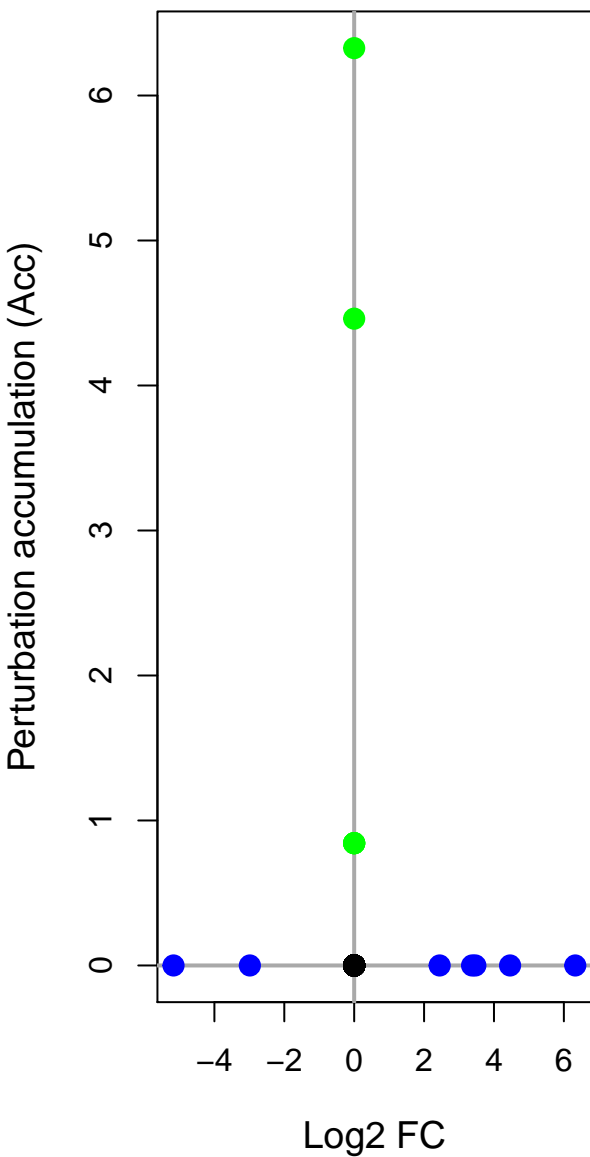
pathway ID=04060



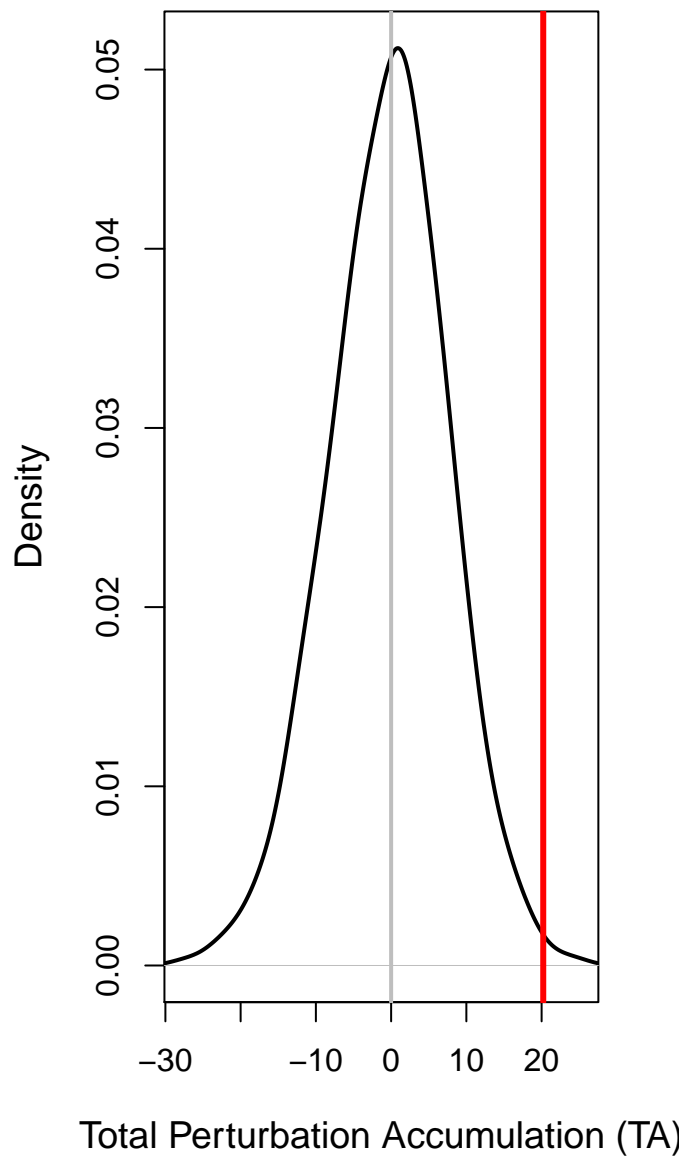
pathway ID=04060 P PERT=0.637



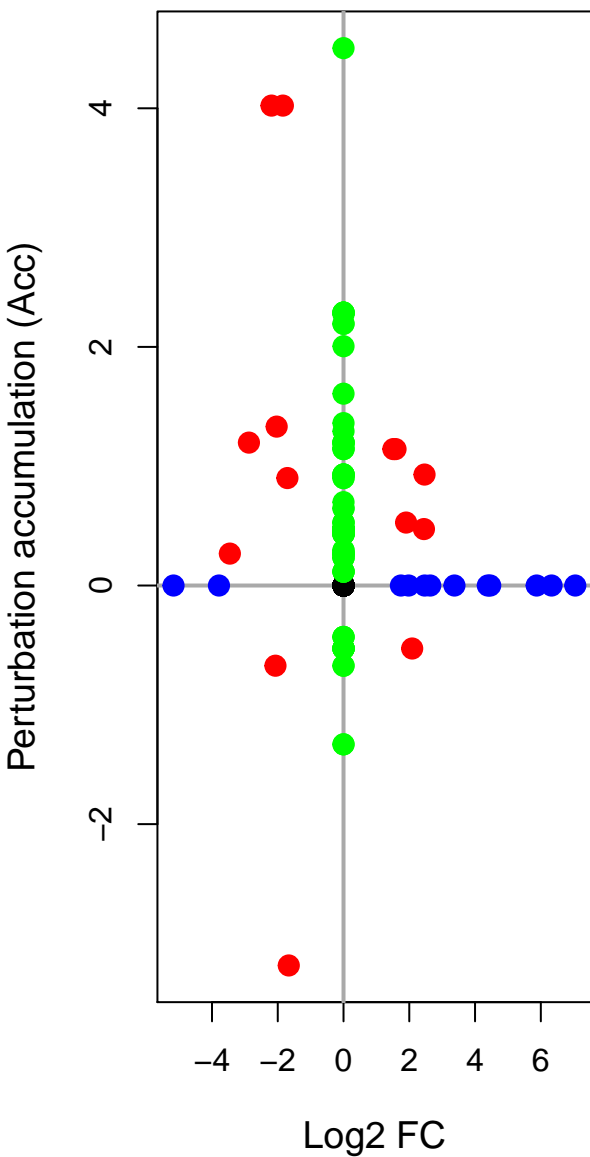
pathway ID=04061



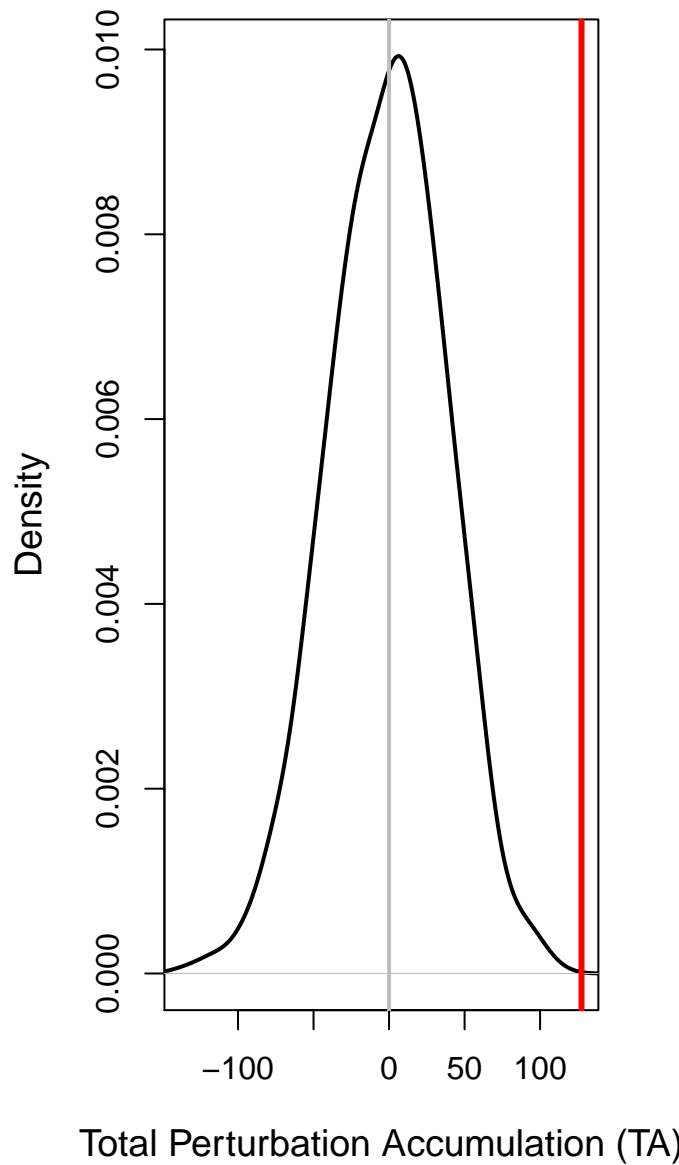
pathway ID=04061 P PERT=0.007



pathway ID=04062

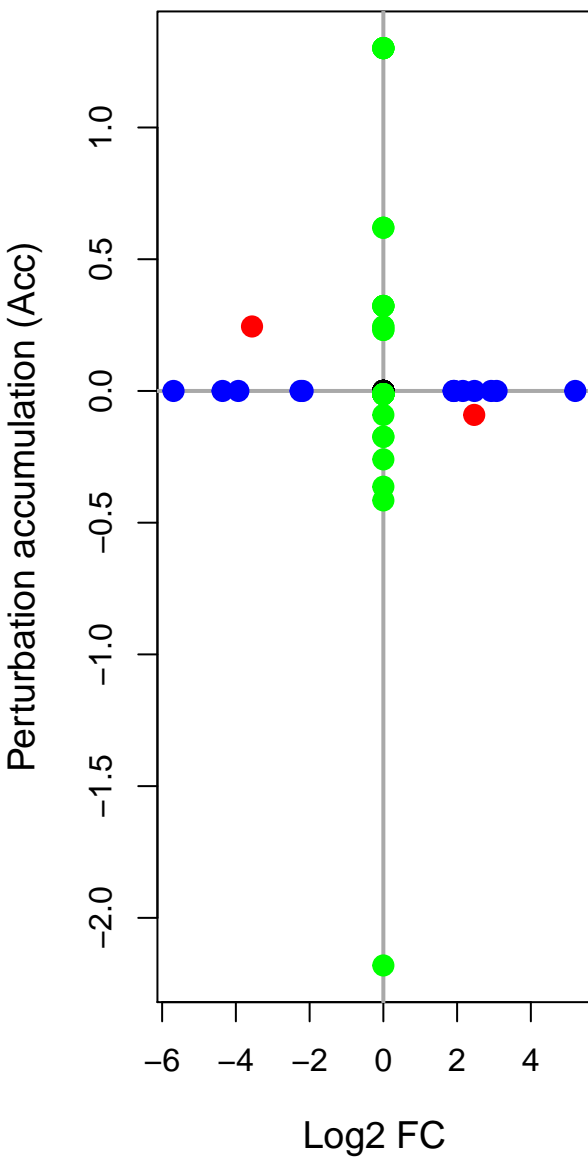


pathway ID=04062 P PERT=0

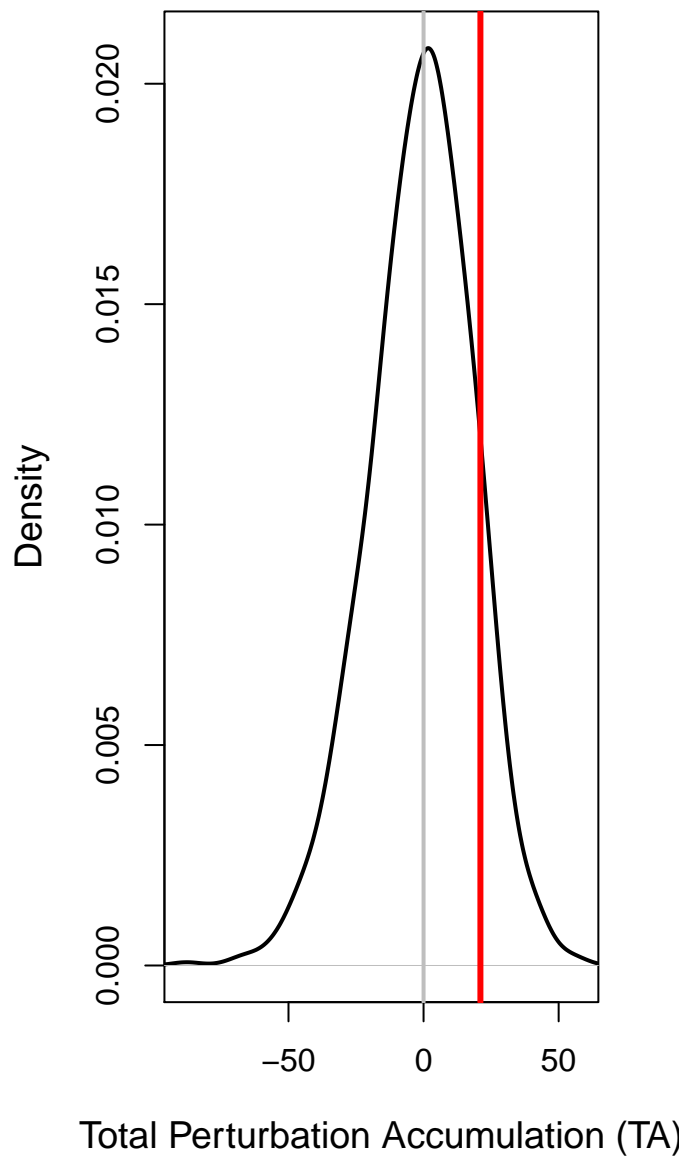




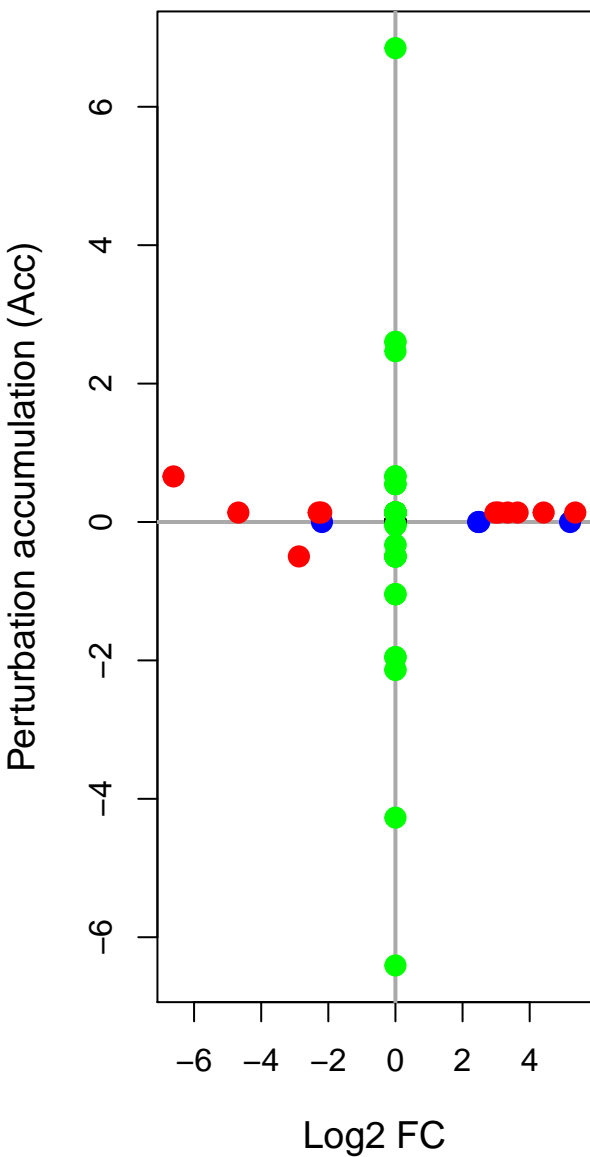
pathway ID=04064



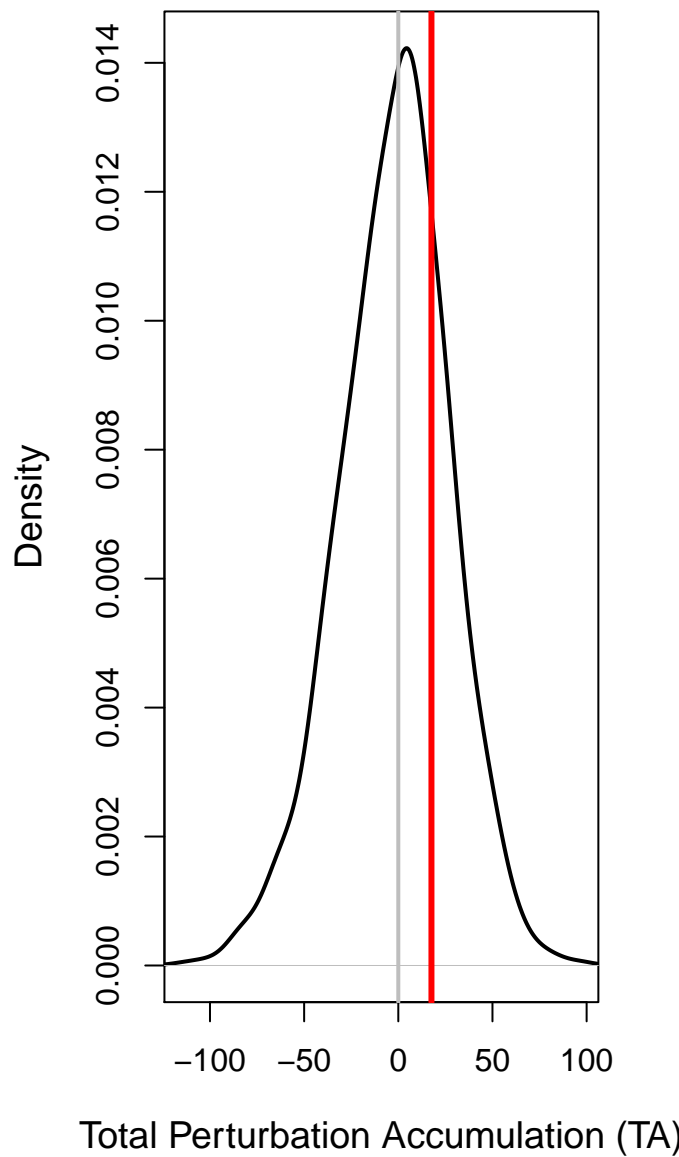
pathway ID=04064 P PERT=0.236



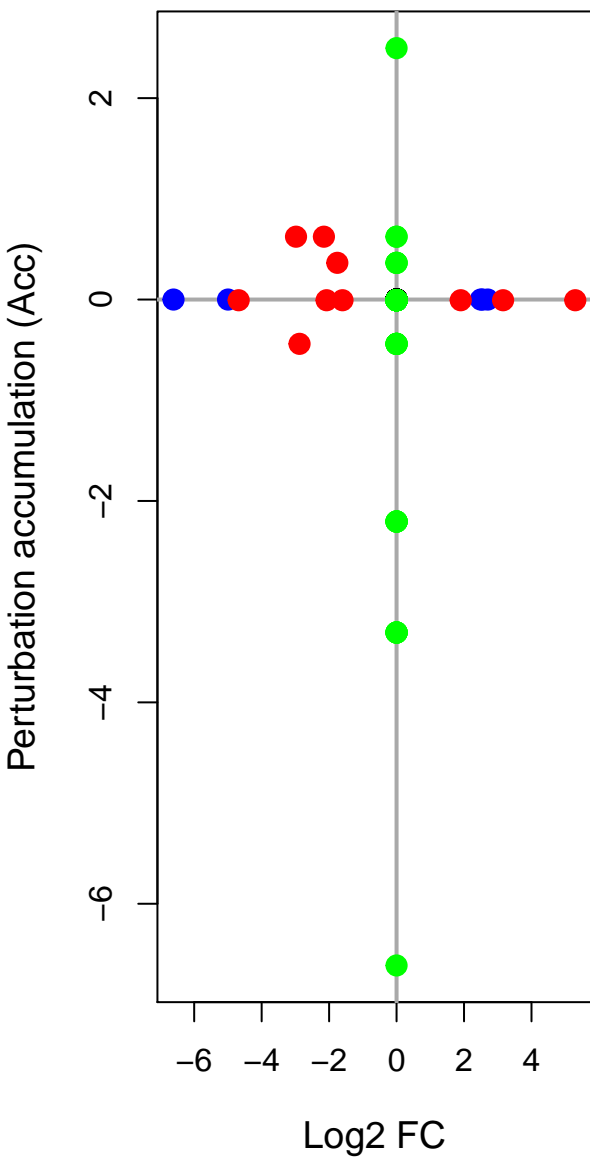
pathway ID=04066



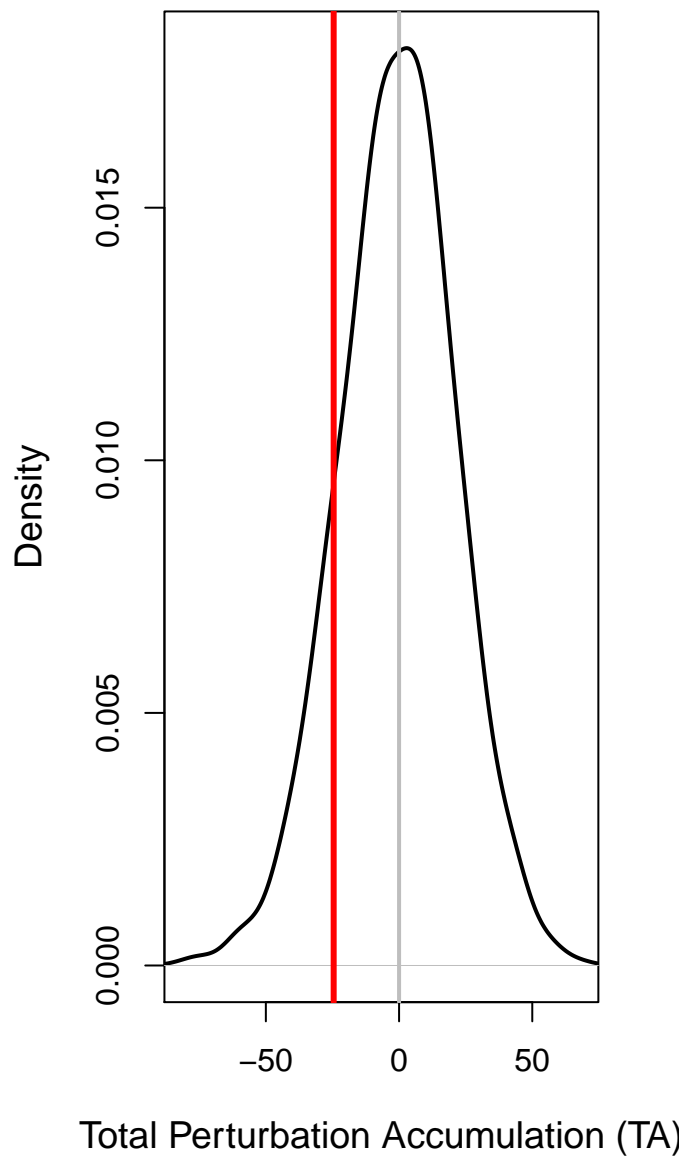
pathway ID=04066 P PERT=0.5



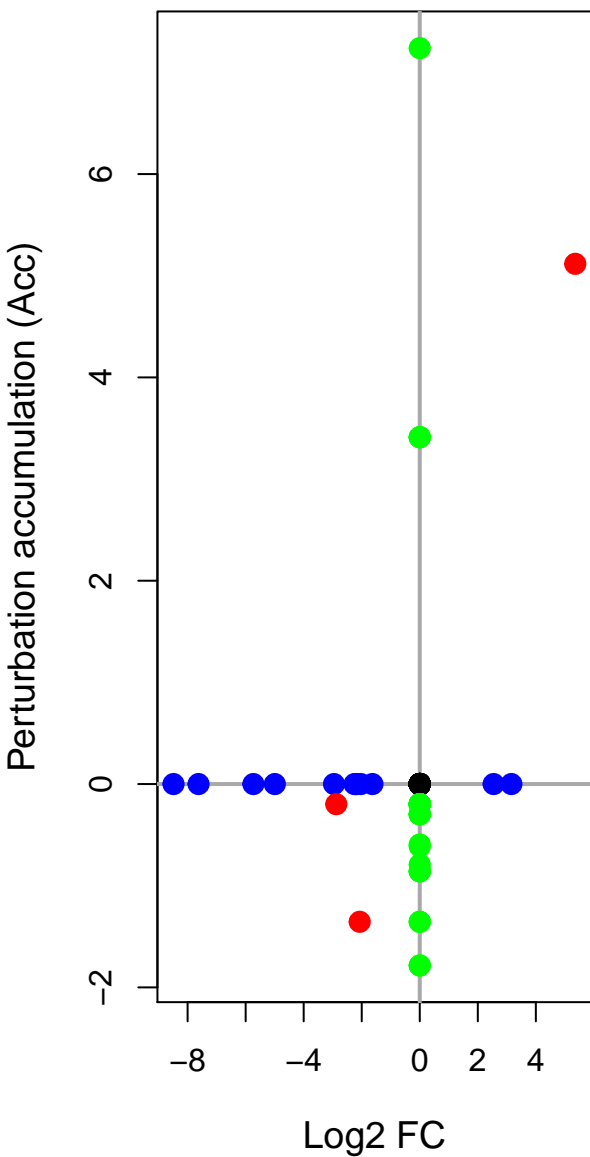
pathway ID=04068



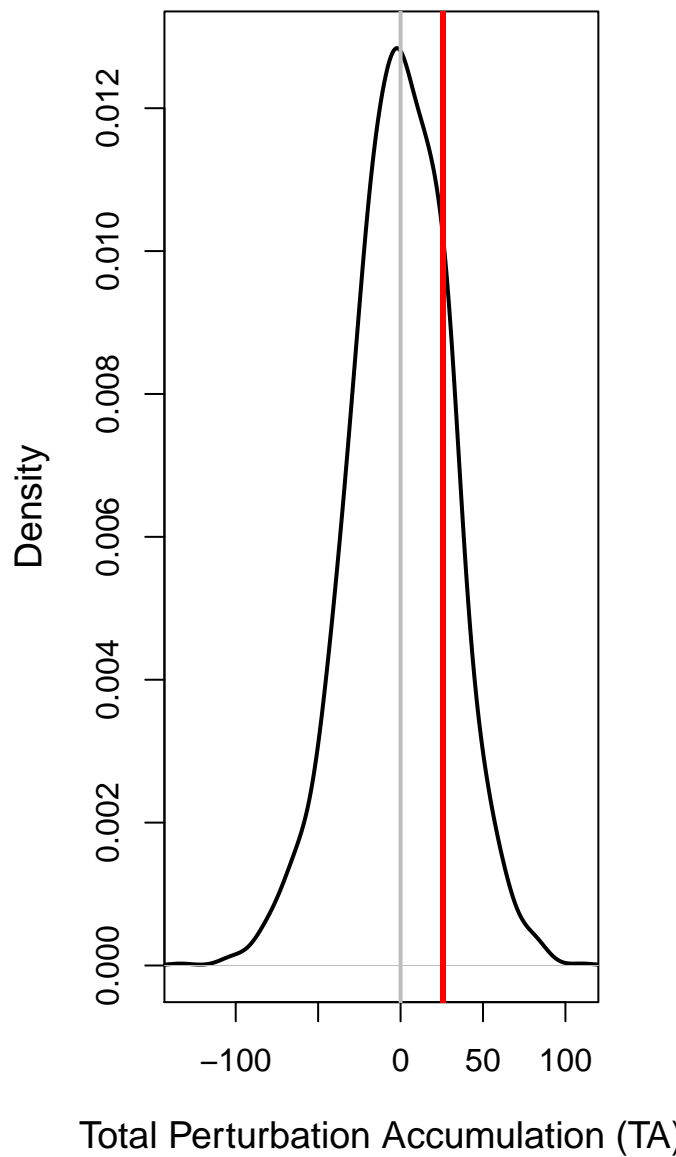
pathway ID=04068 P PERT=0.271



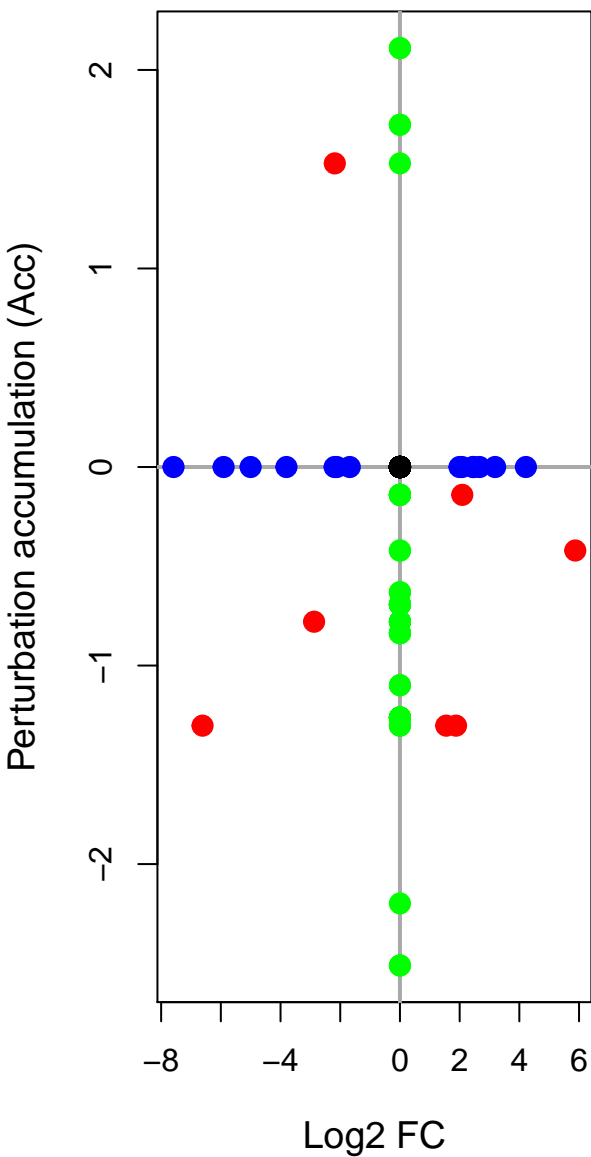
pathway ID=04071



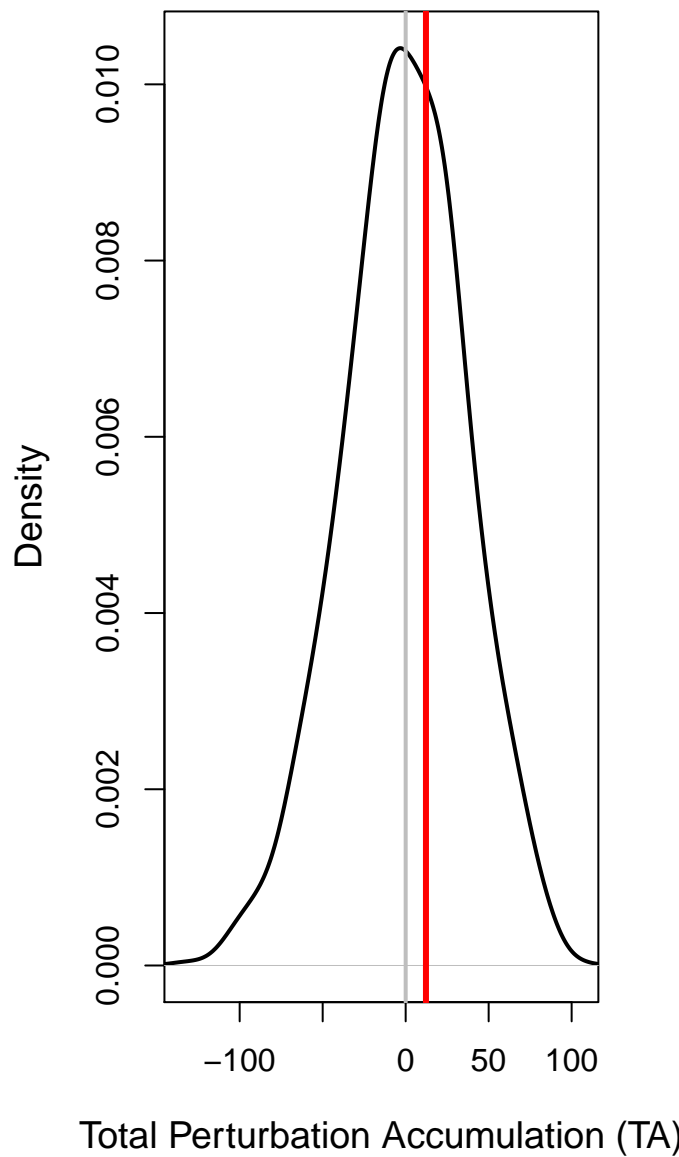
pathway ID=04071 P PERT=0.396



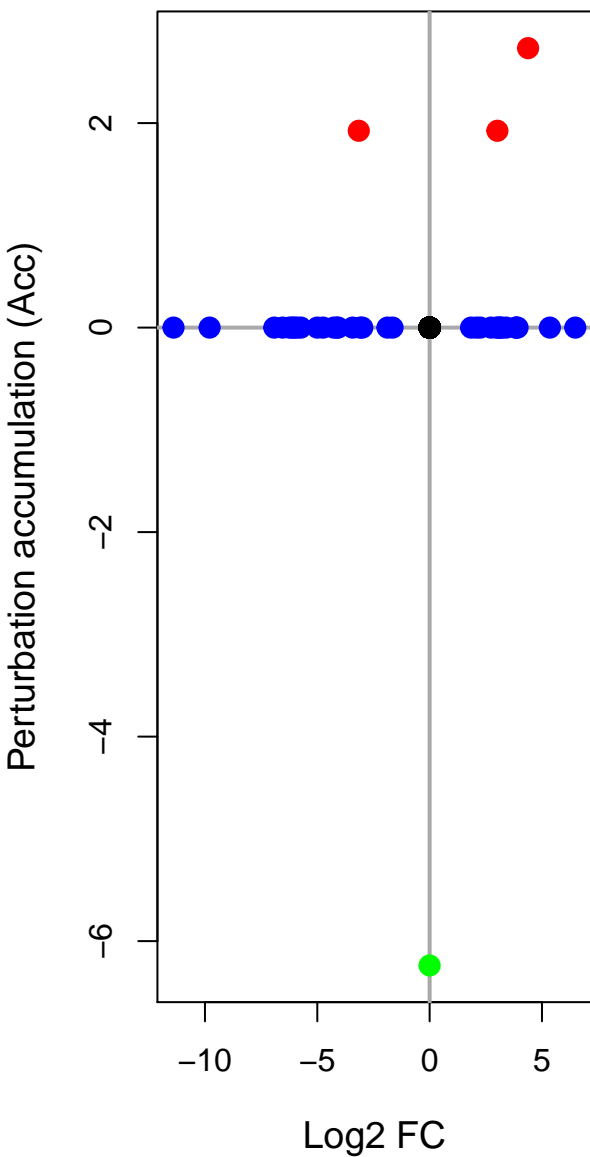
pathway ID=04072



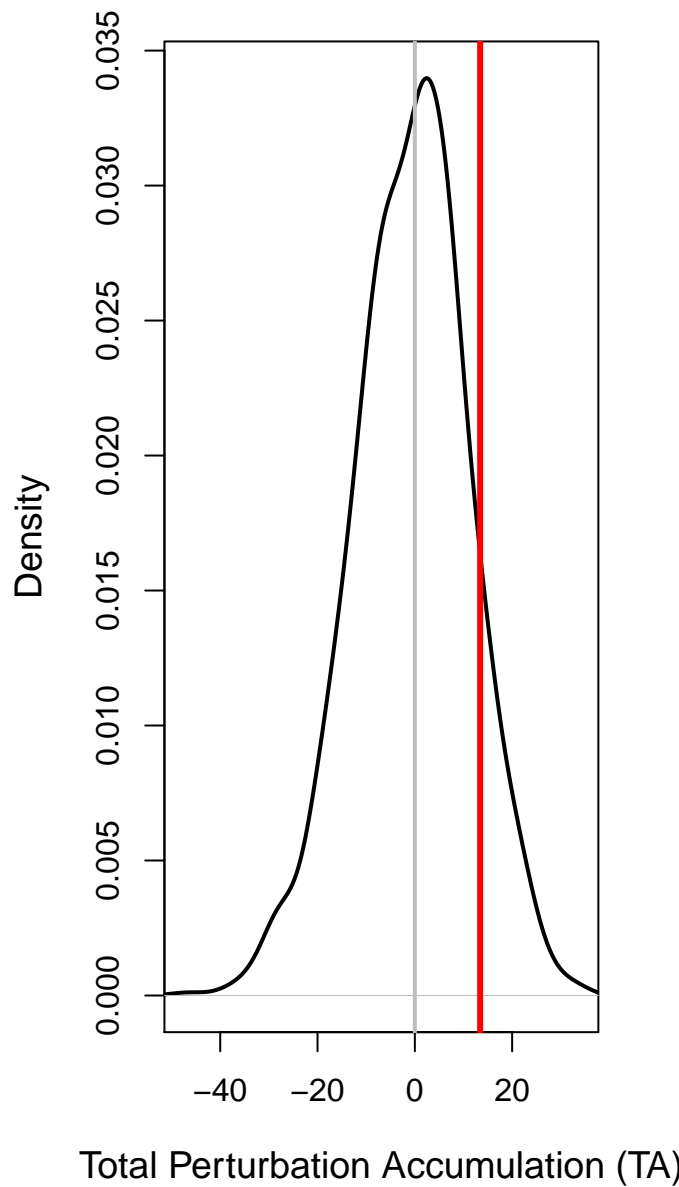
pathway ID=04072 P PERT=0.748



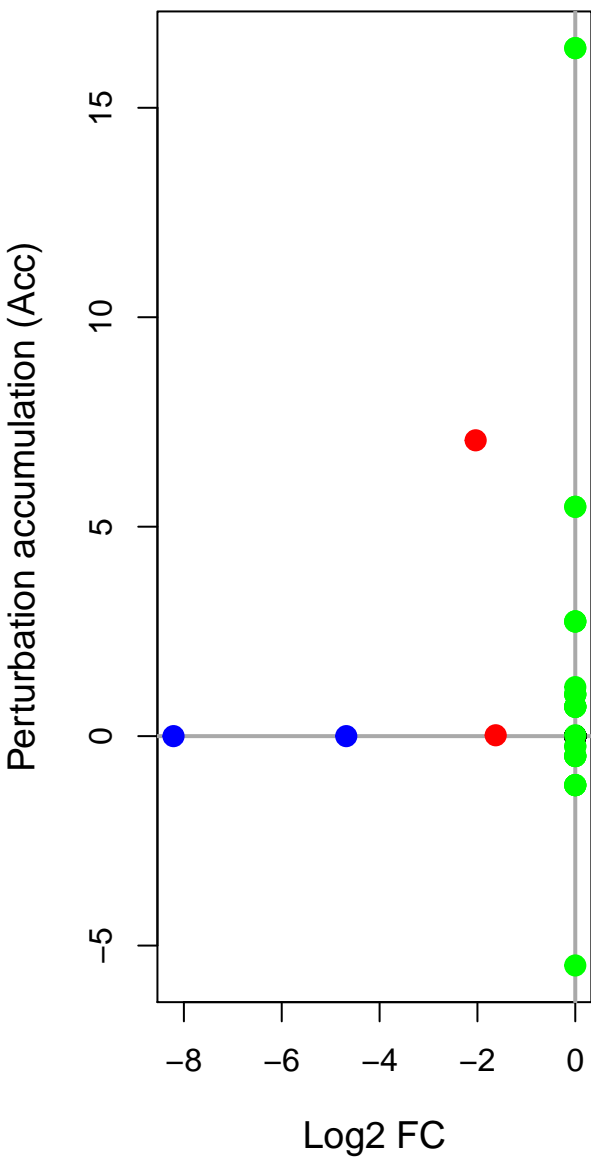
pathway ID=04080



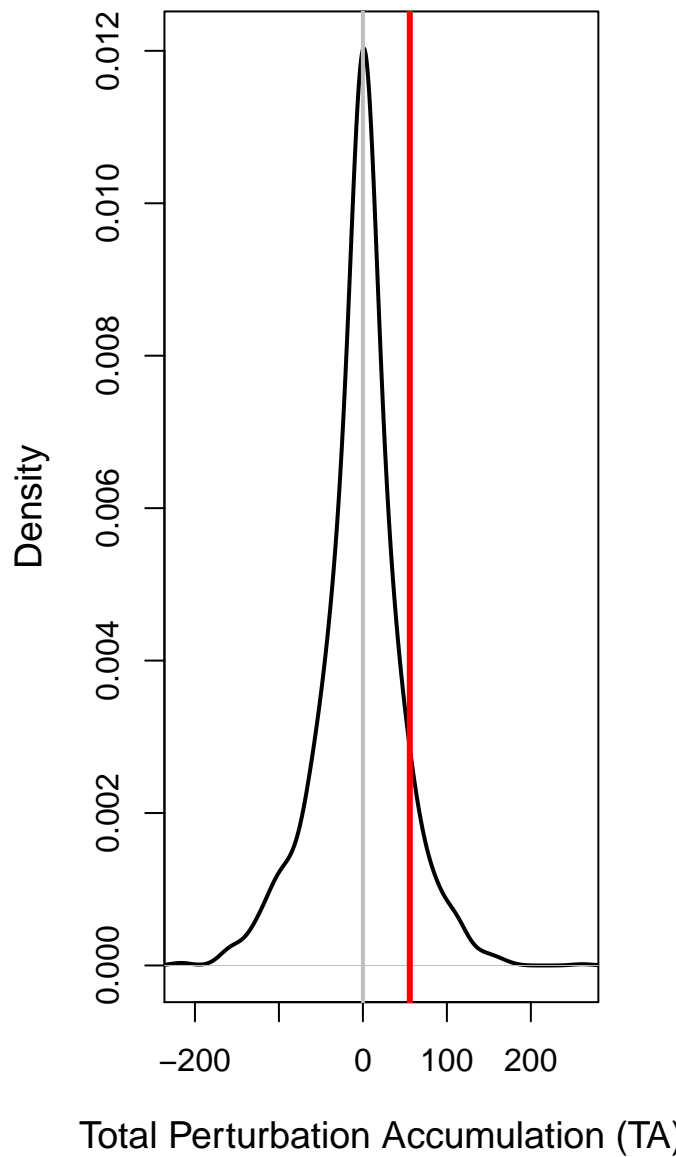
pathway ID=04080 P PERT=0.211



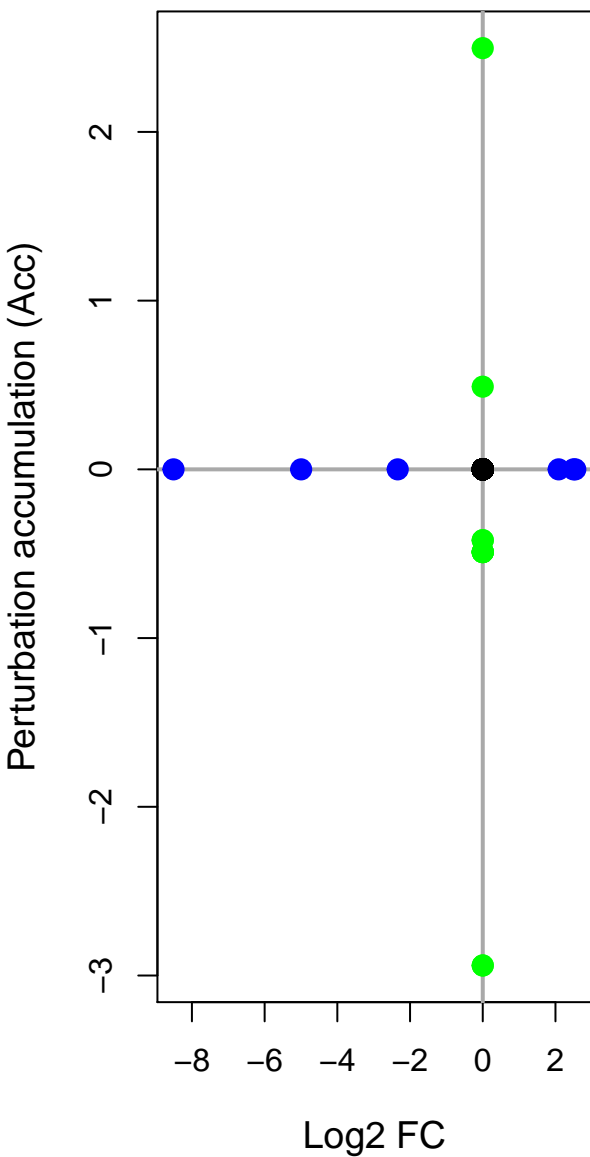
pathway ID=04110



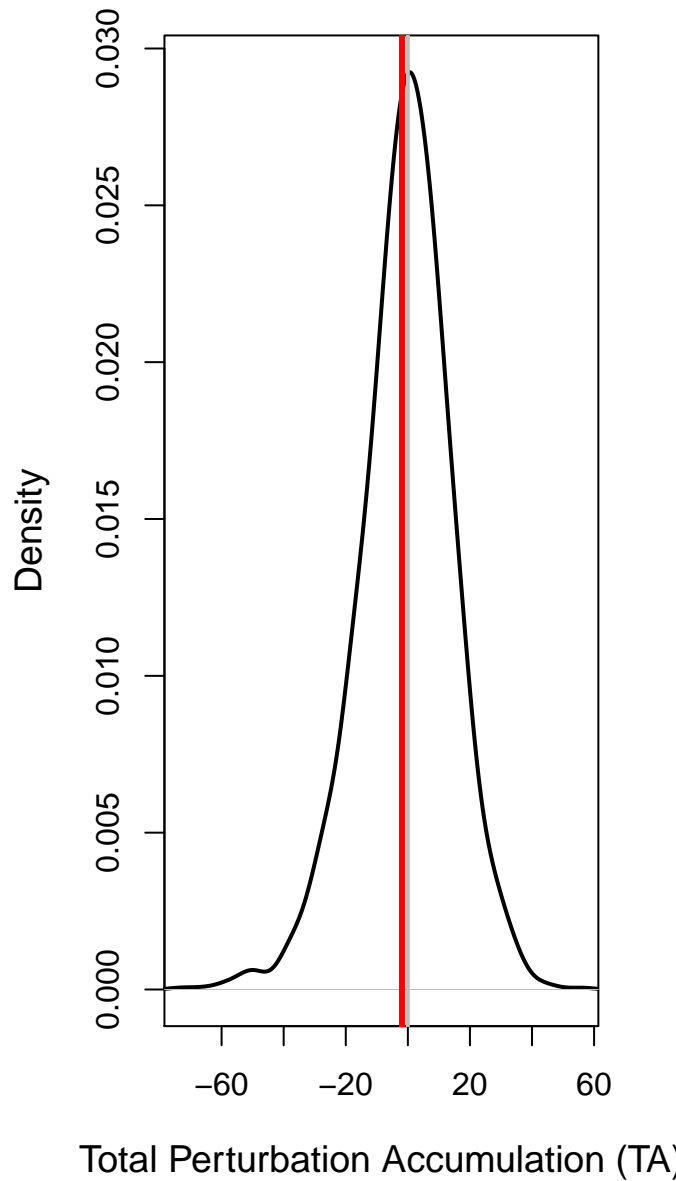
pathway ID=04110 P PERT=0.18



pathway ID=04114

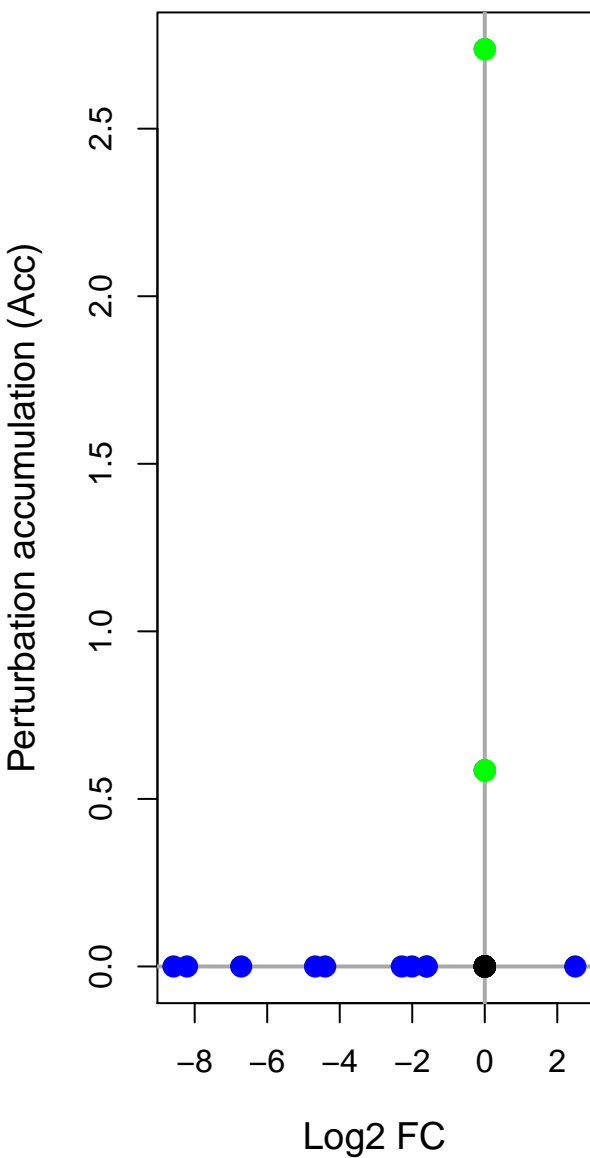


pathway ID=04114 P PERT=0.876

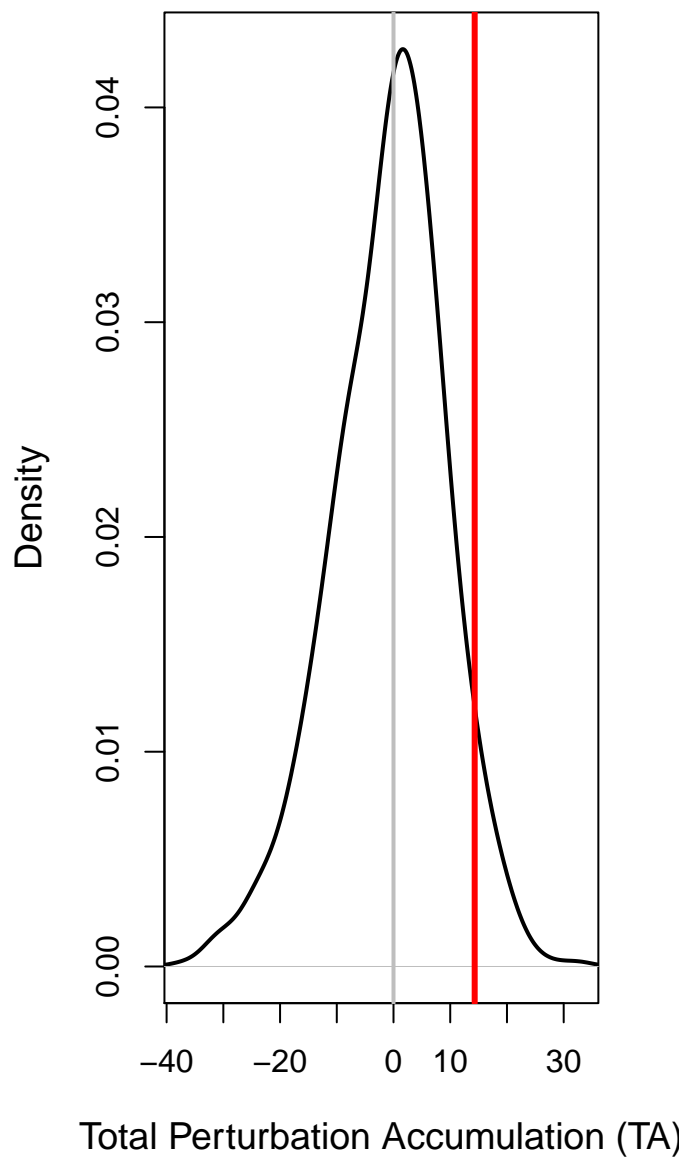




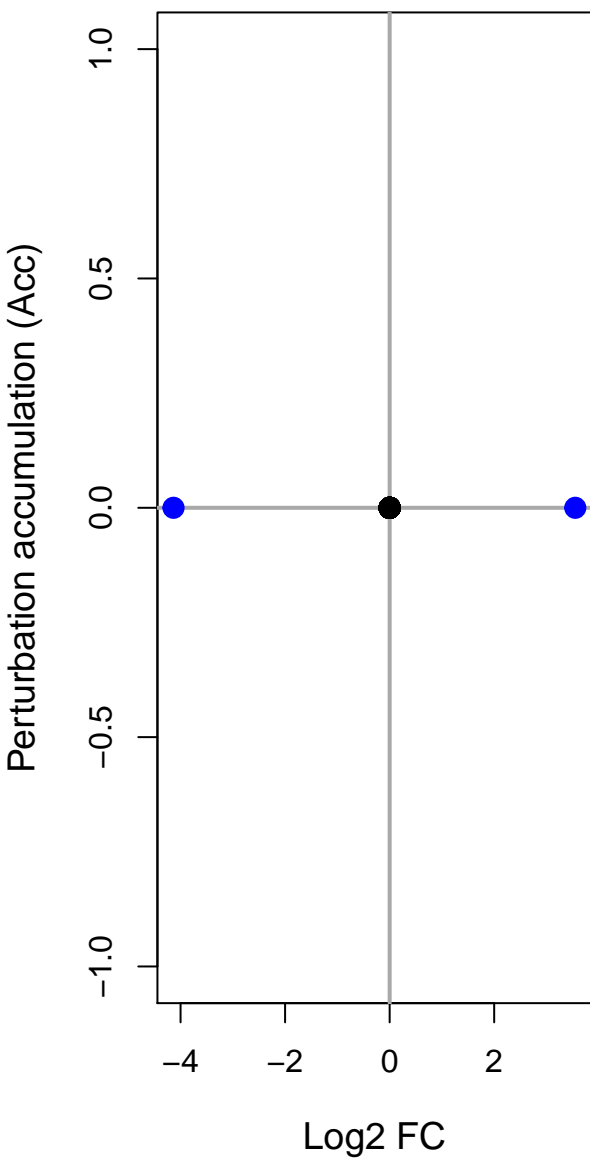
pathway ID=04115



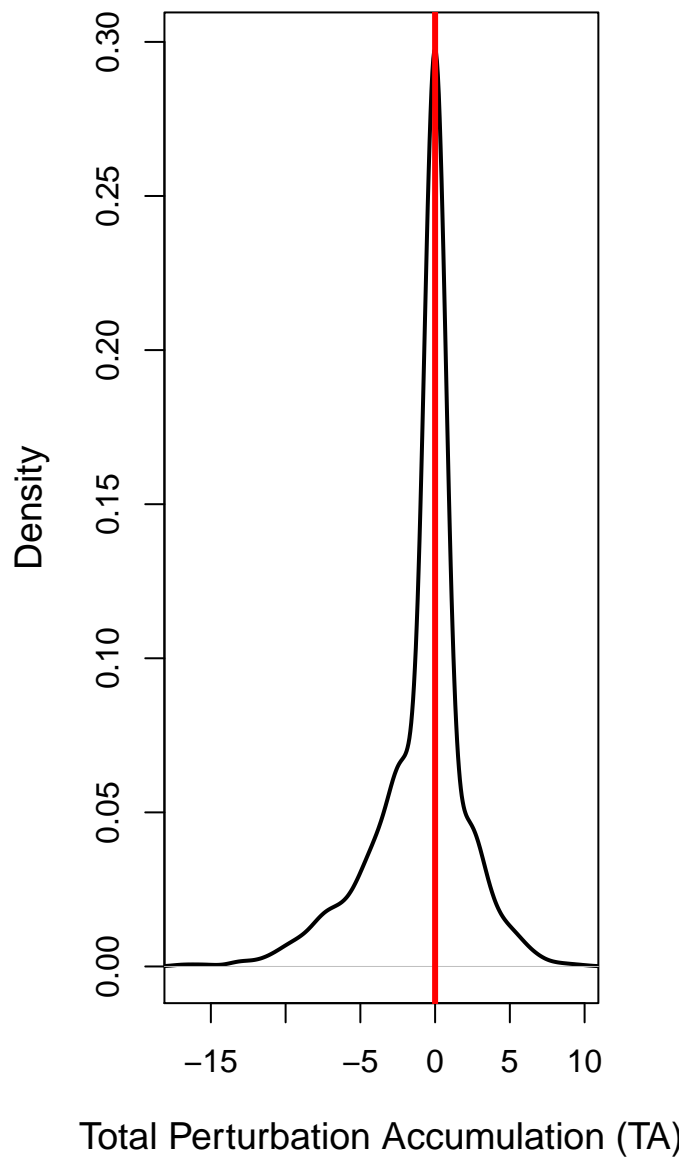
pathway ID=04115 P PERT=0.11



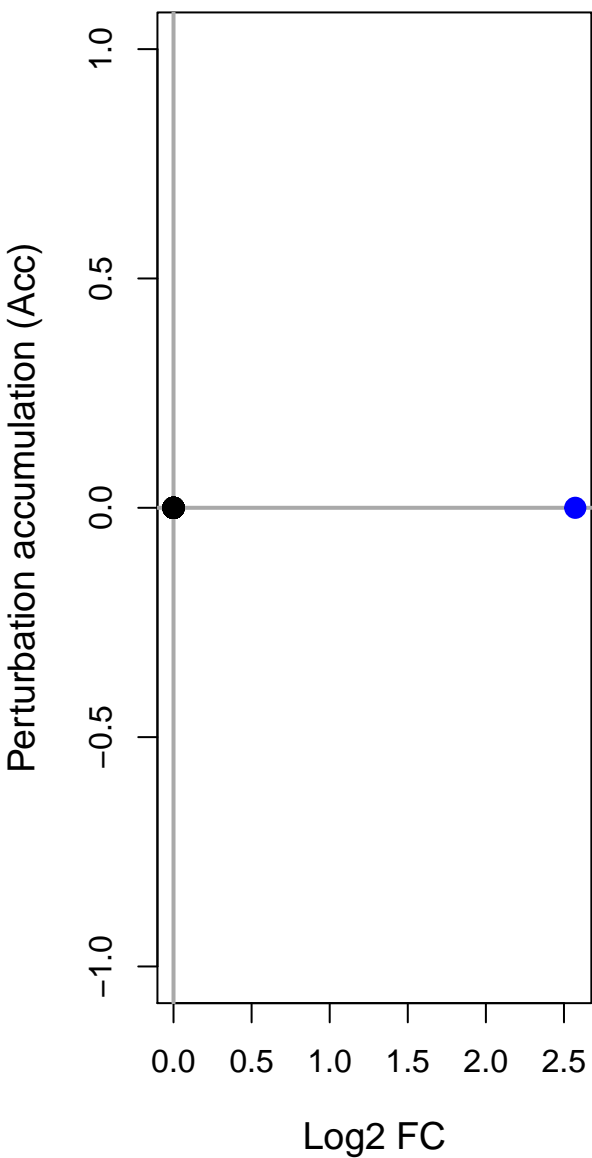
pathway ID=04130



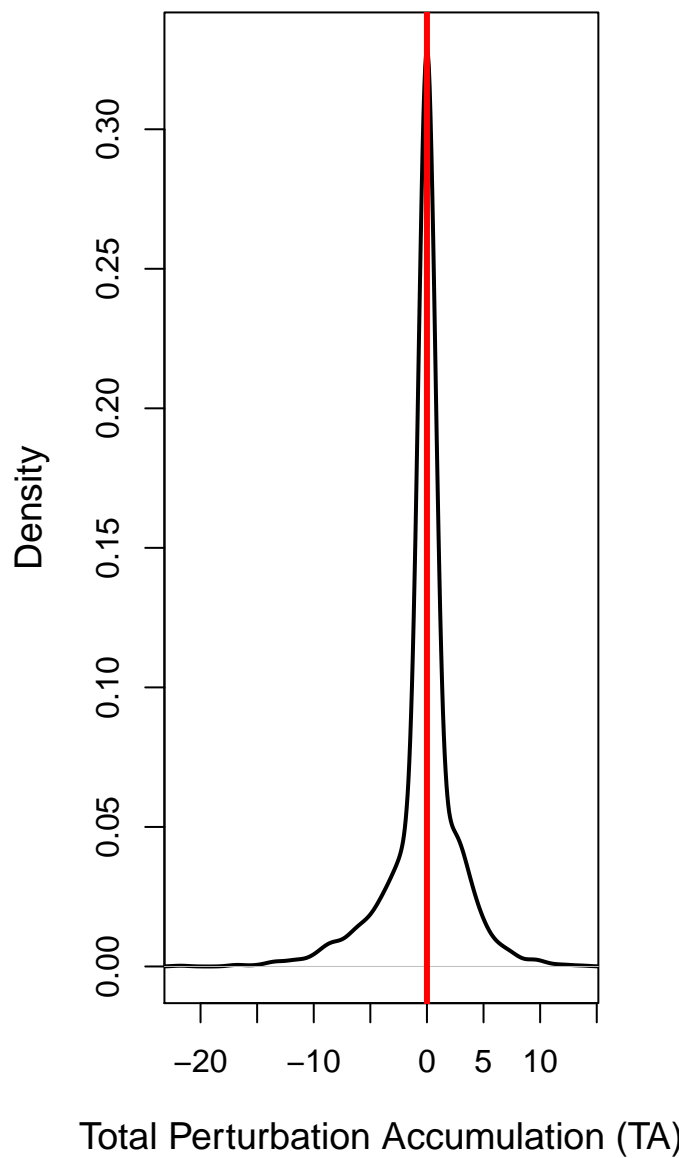
pathway ID=04130 P PERT=1



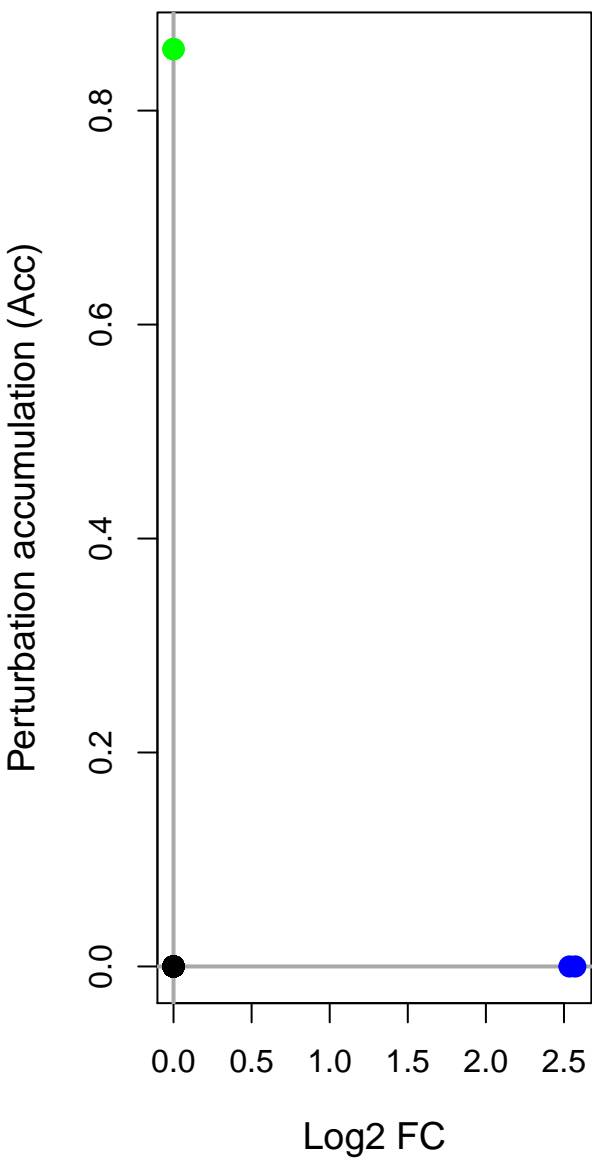
pathway ID=04136



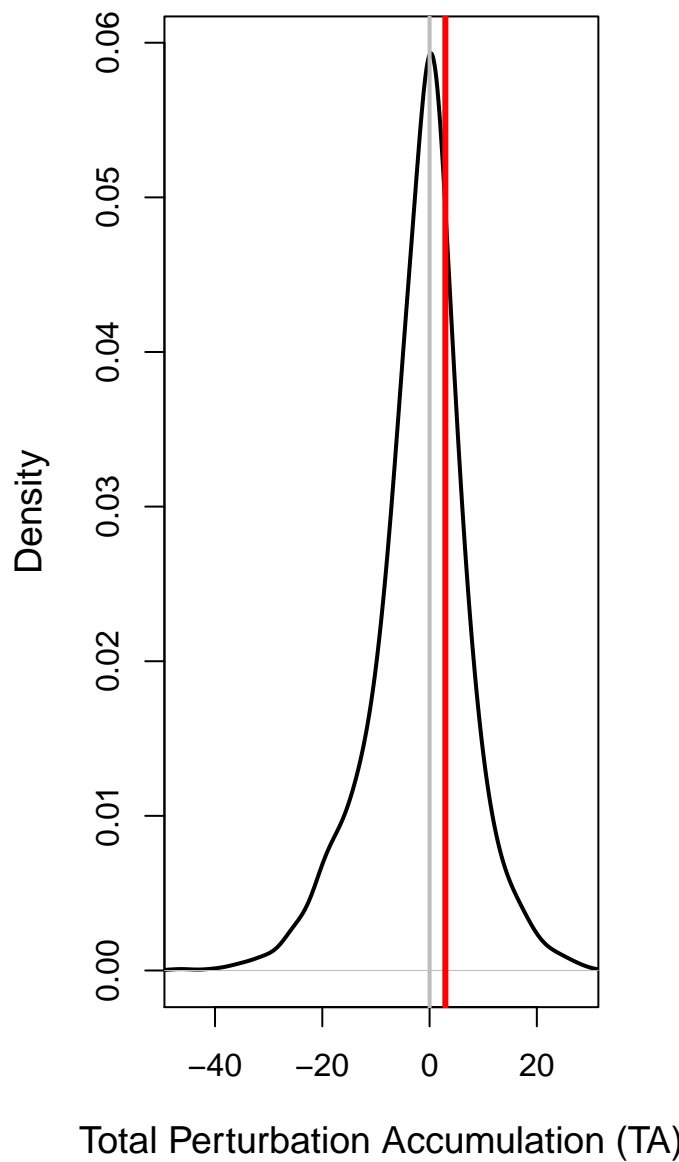
pathway ID=04136 P PERT=1



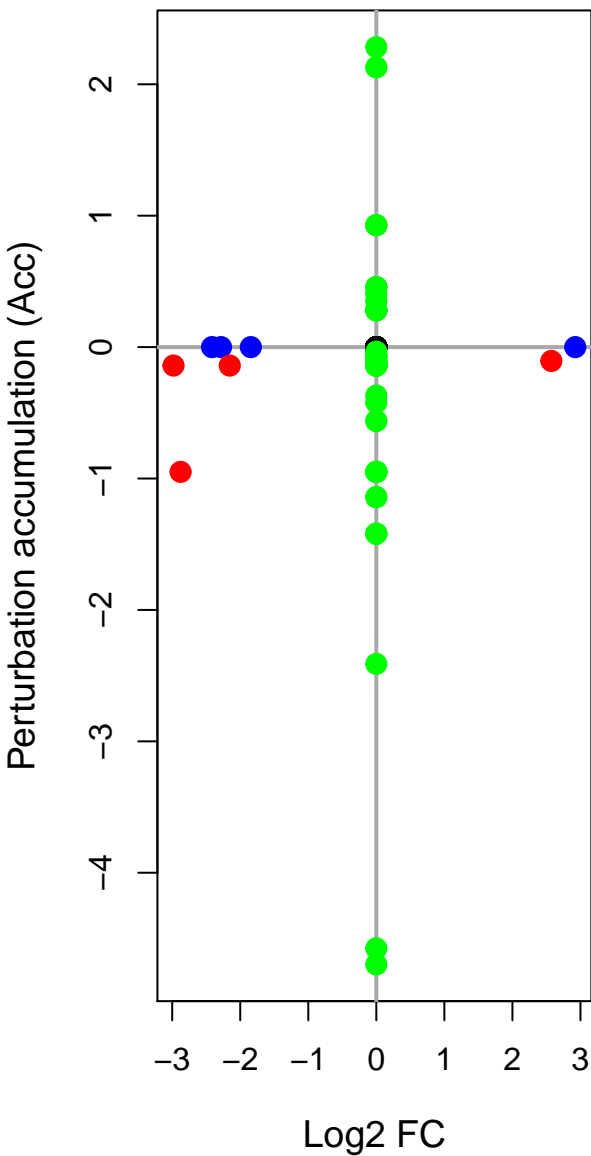
pathway ID=04137



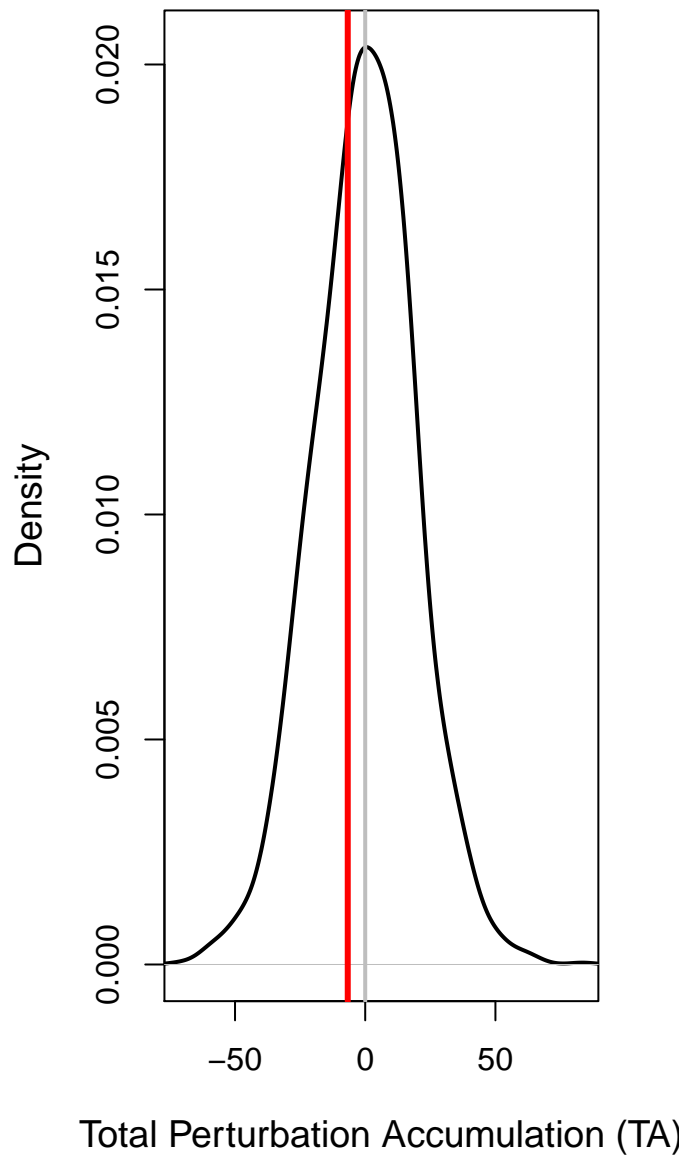
pathway ID=04137 P PERT=0.534



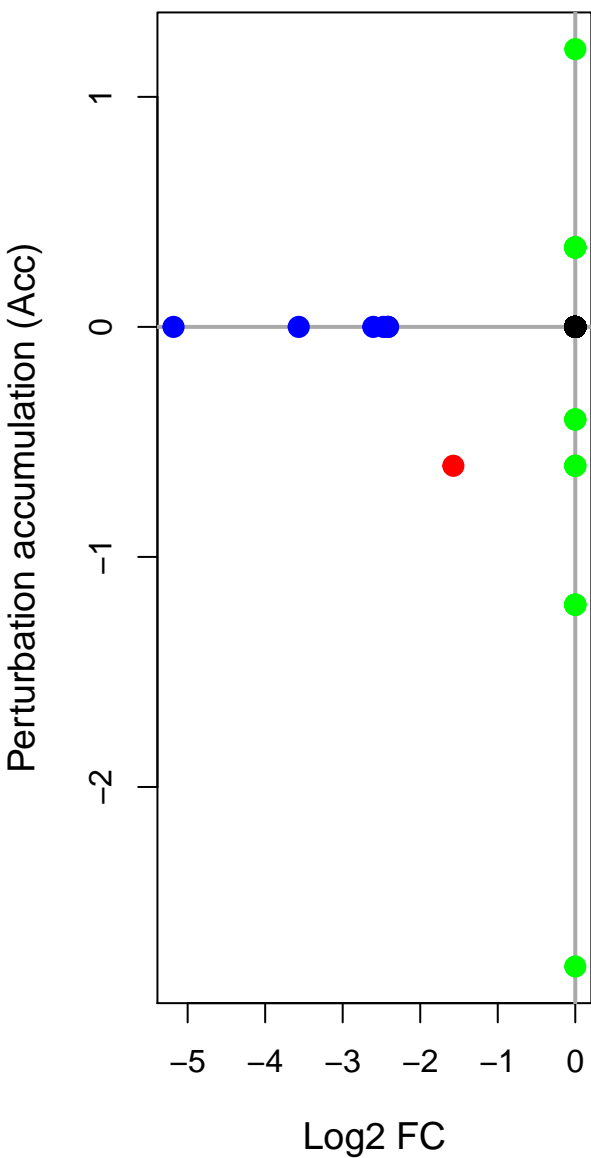
pathway ID=04140



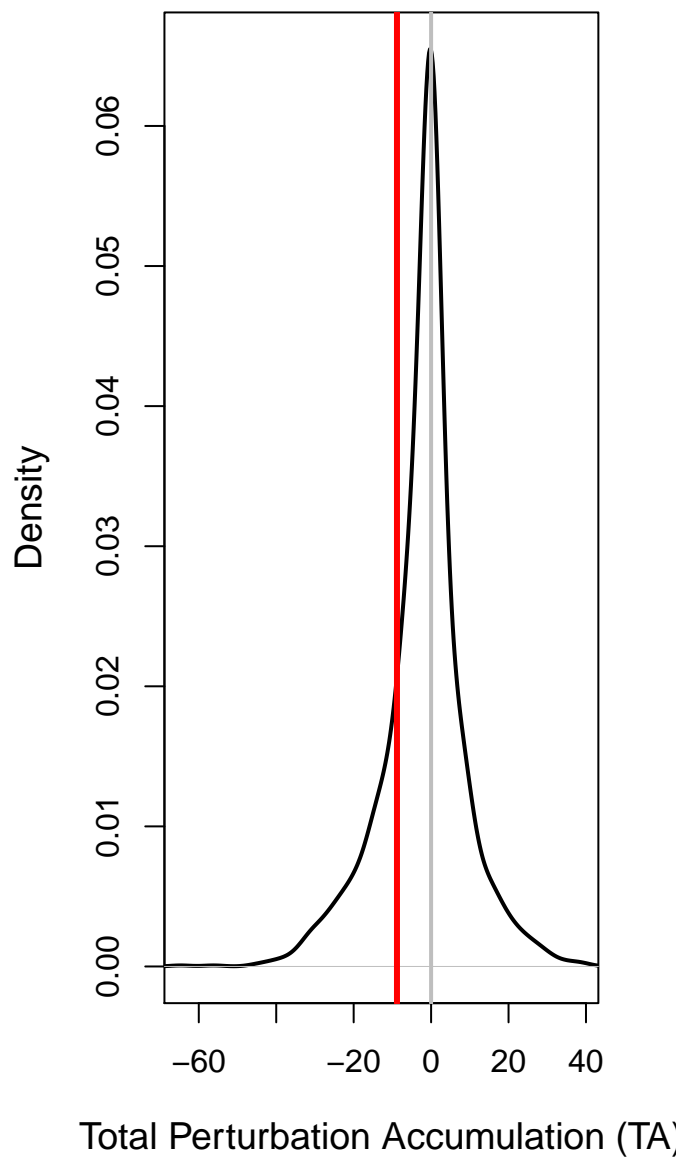
pathway ID=04140 P PERT=0.714



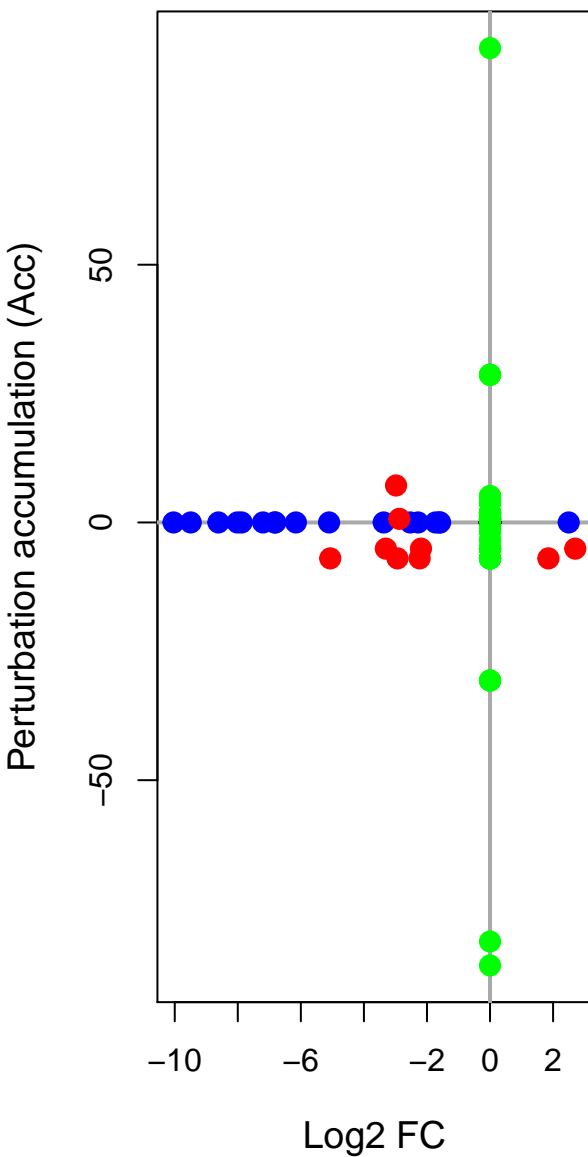
pathway ID=04141



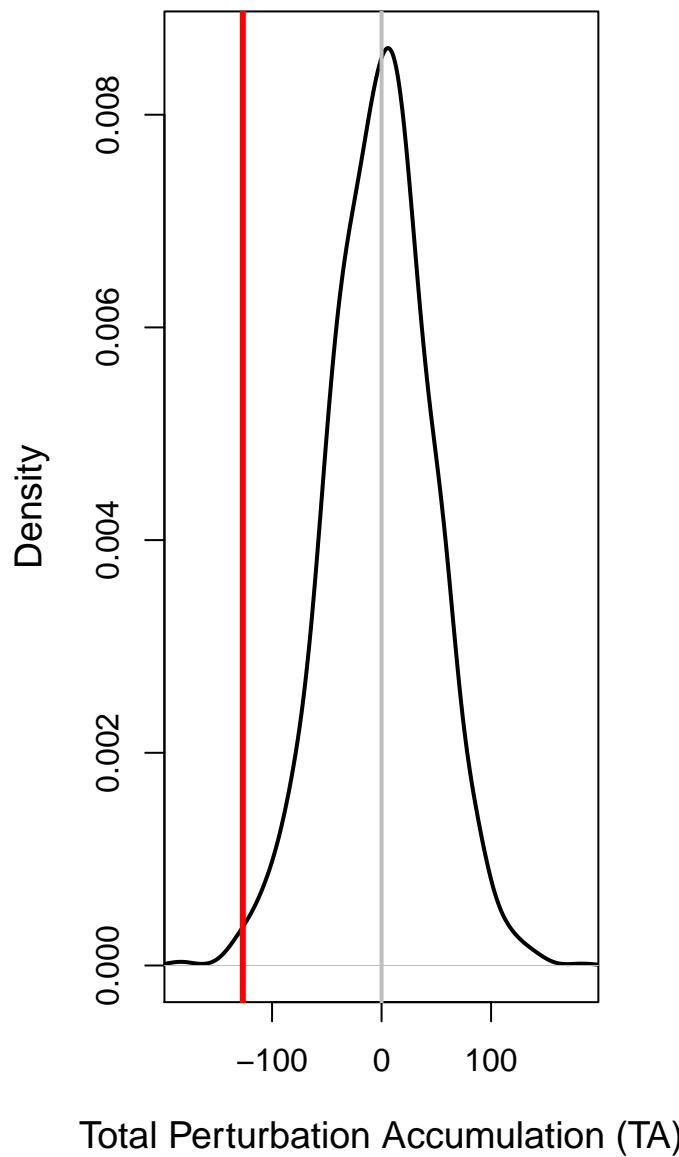
pathway ID=04141 P PERT=0.377



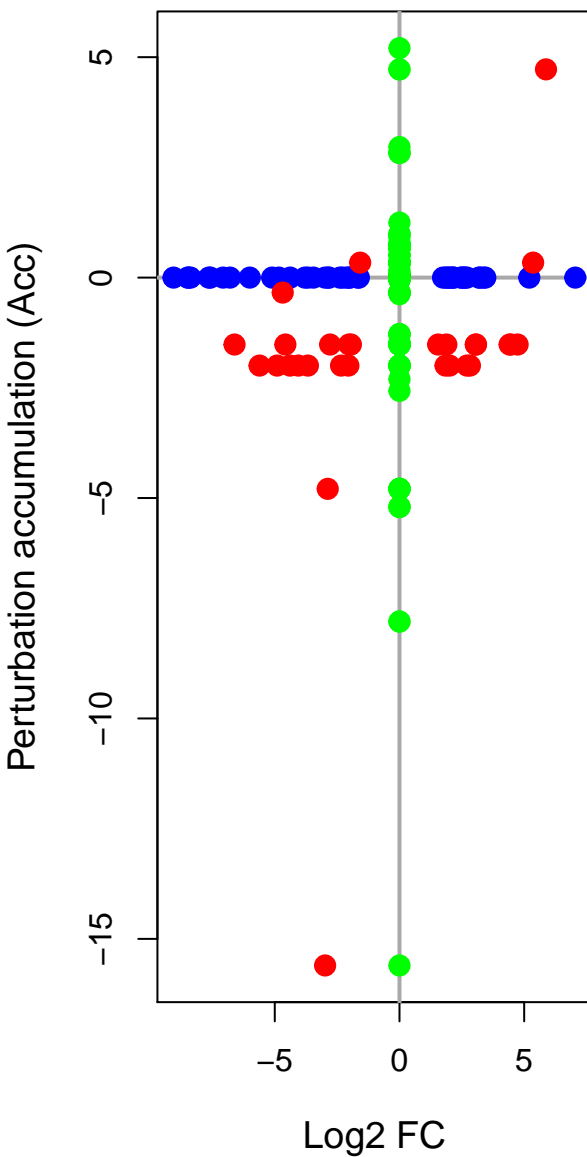
pathway ID=04150



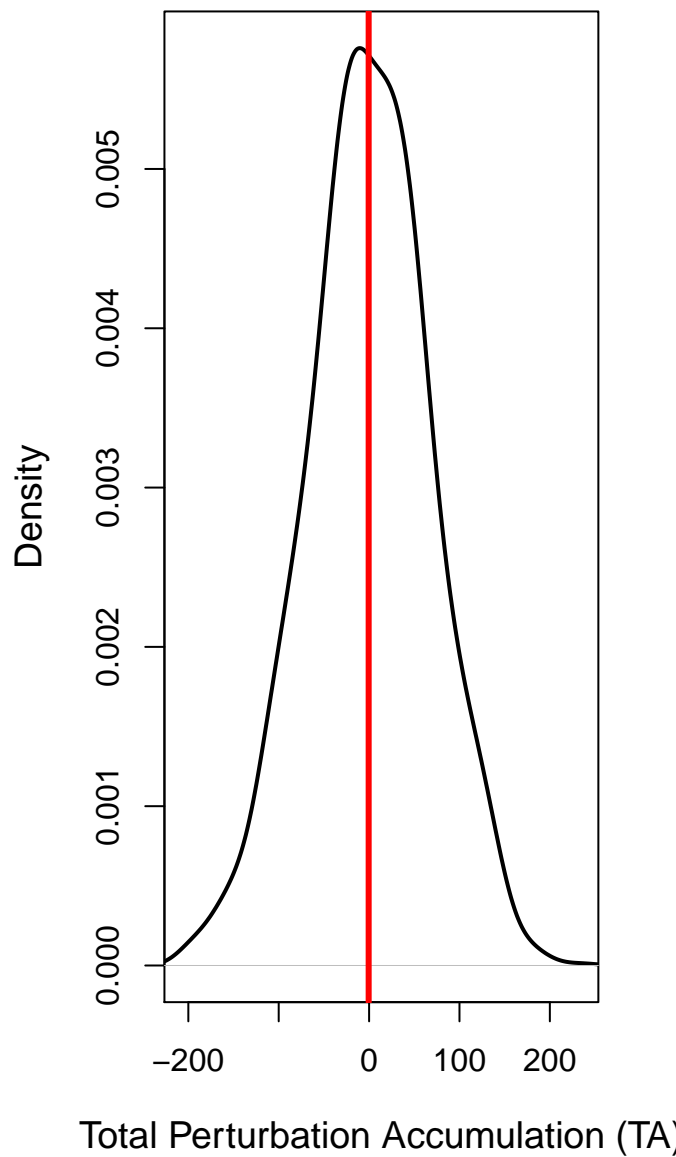
pathway ID=04150 P PERT=0.01



pathway ID=04151

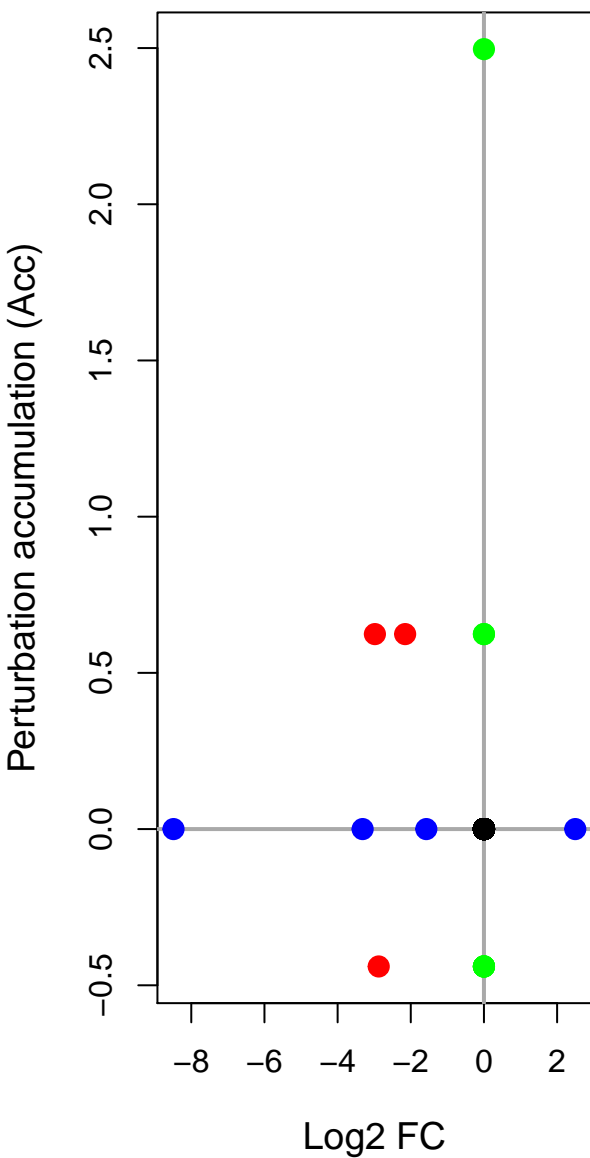


pathway ID=04151 P PERT=0.993

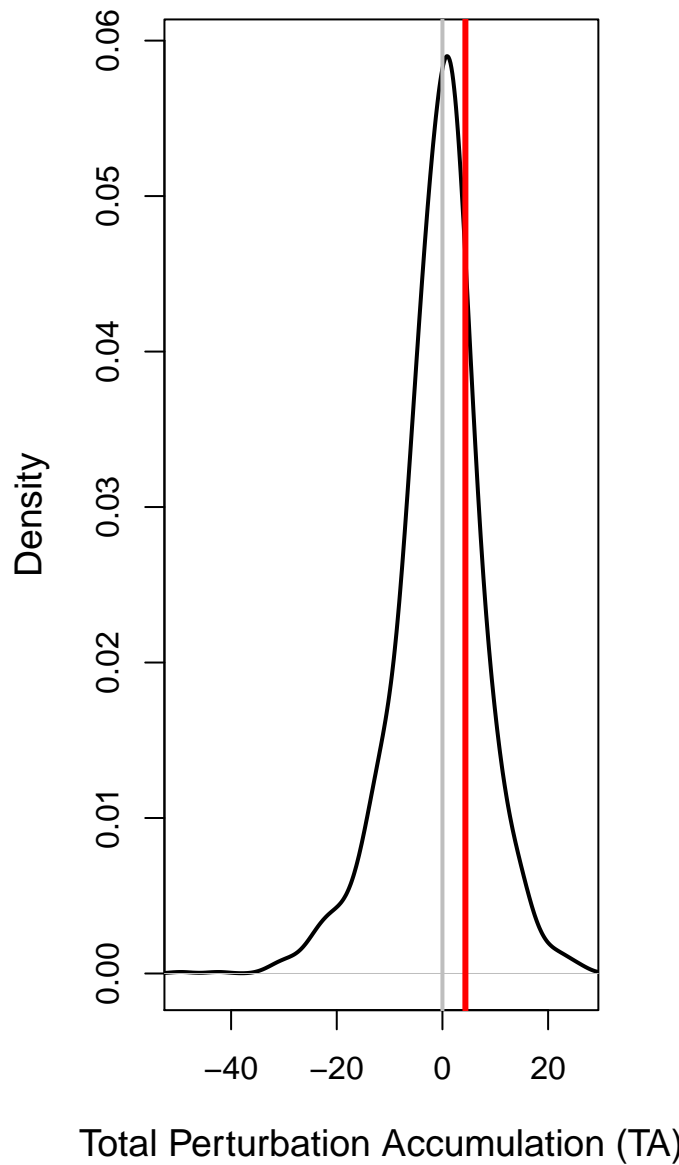




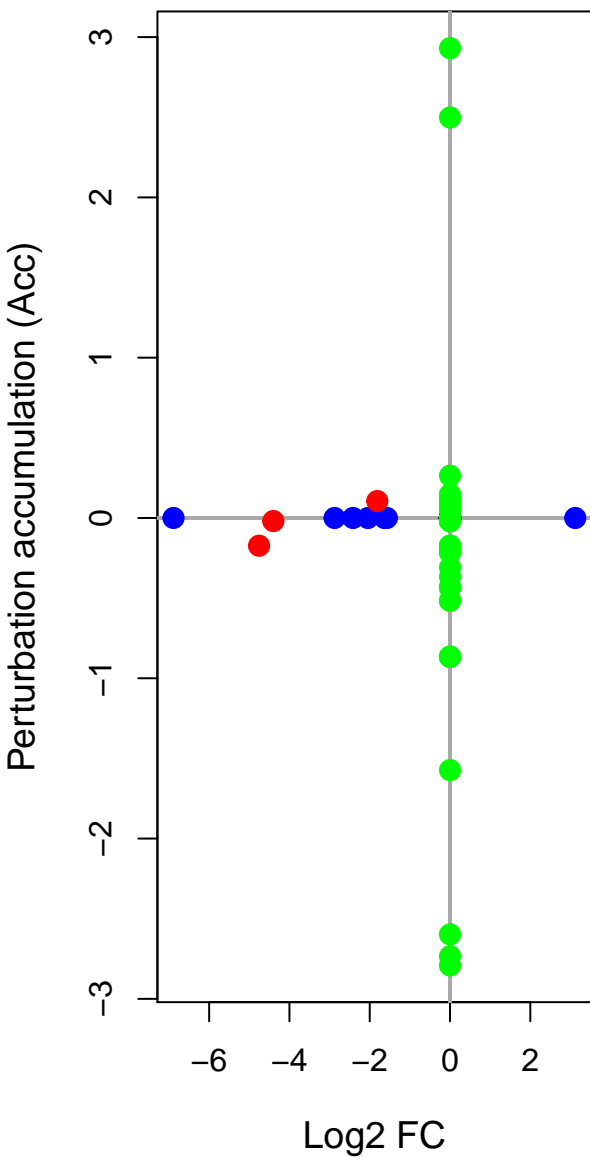
pathway ID=04152



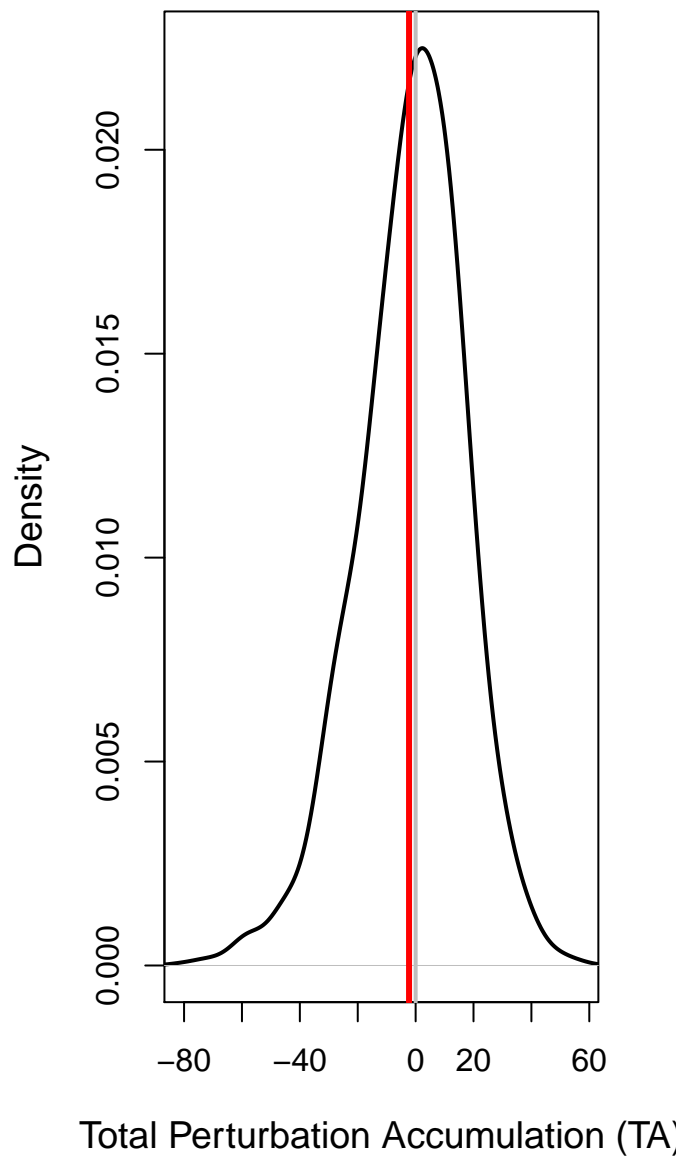
pathway ID=04152 P PERT=0.474



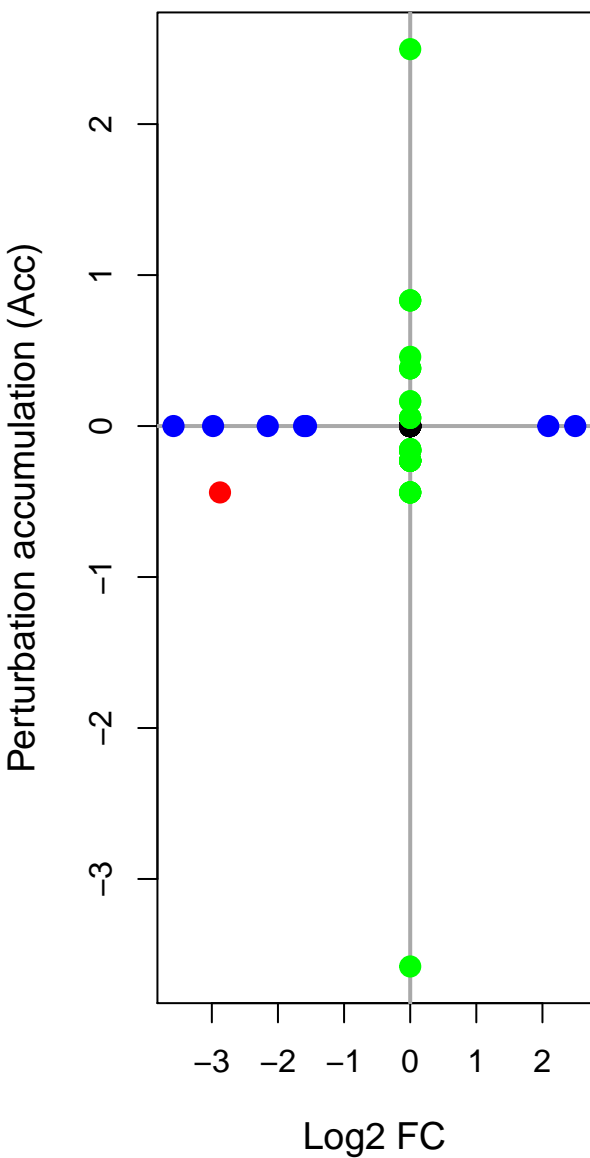
pathway ID=04210



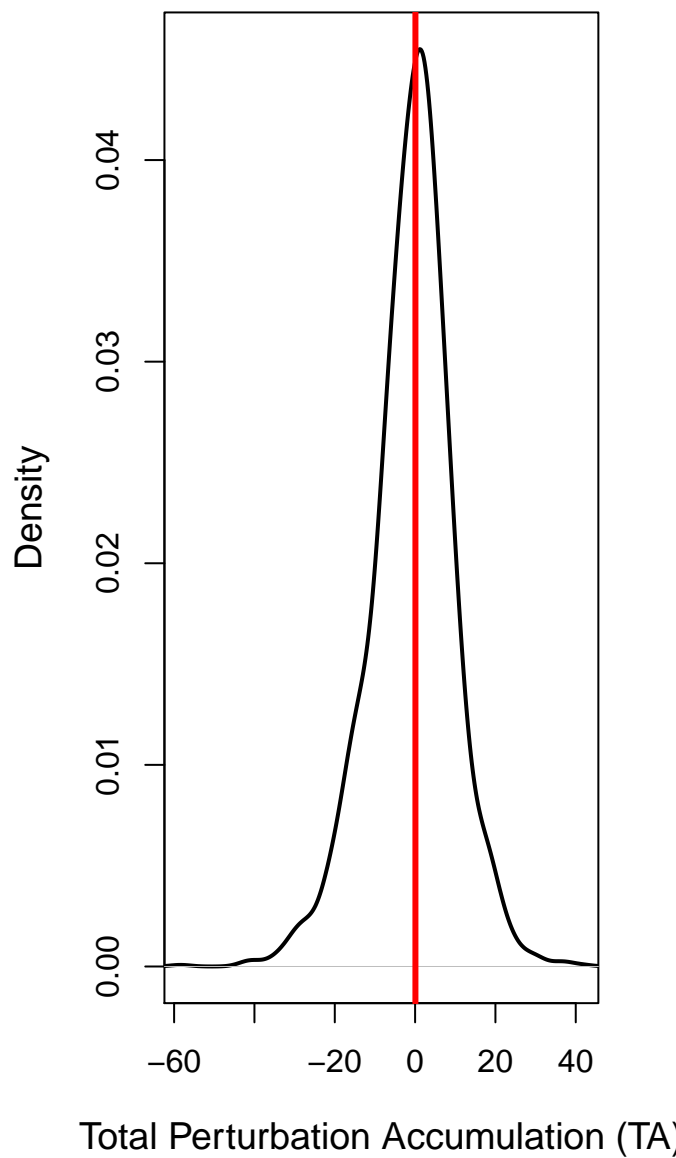
pathway ID=04210 P PERT=0.898



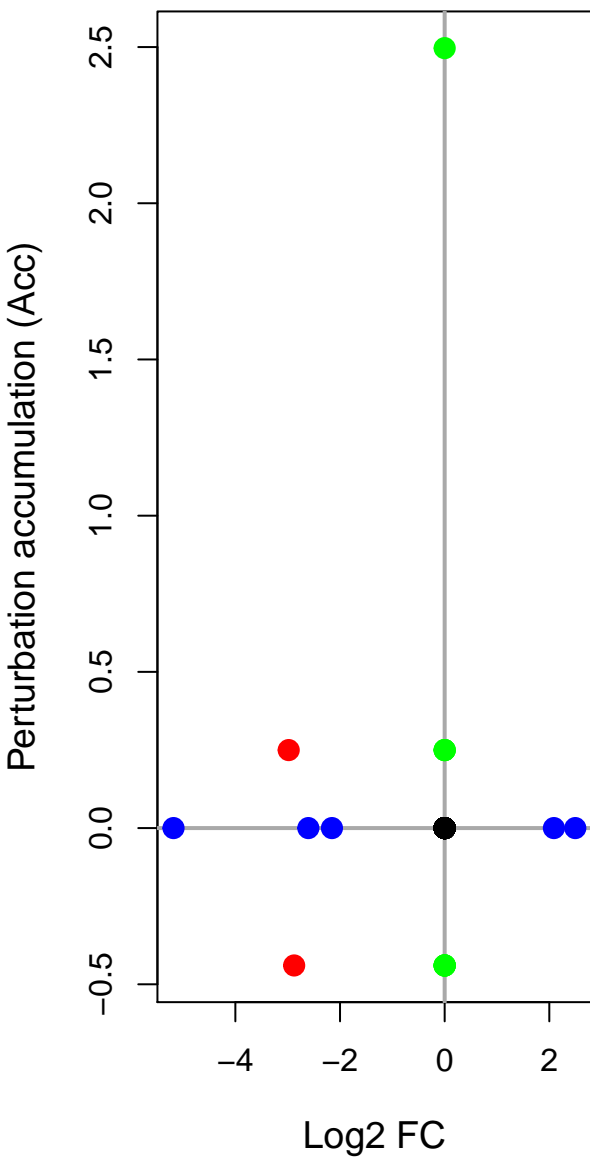
pathway ID=04211



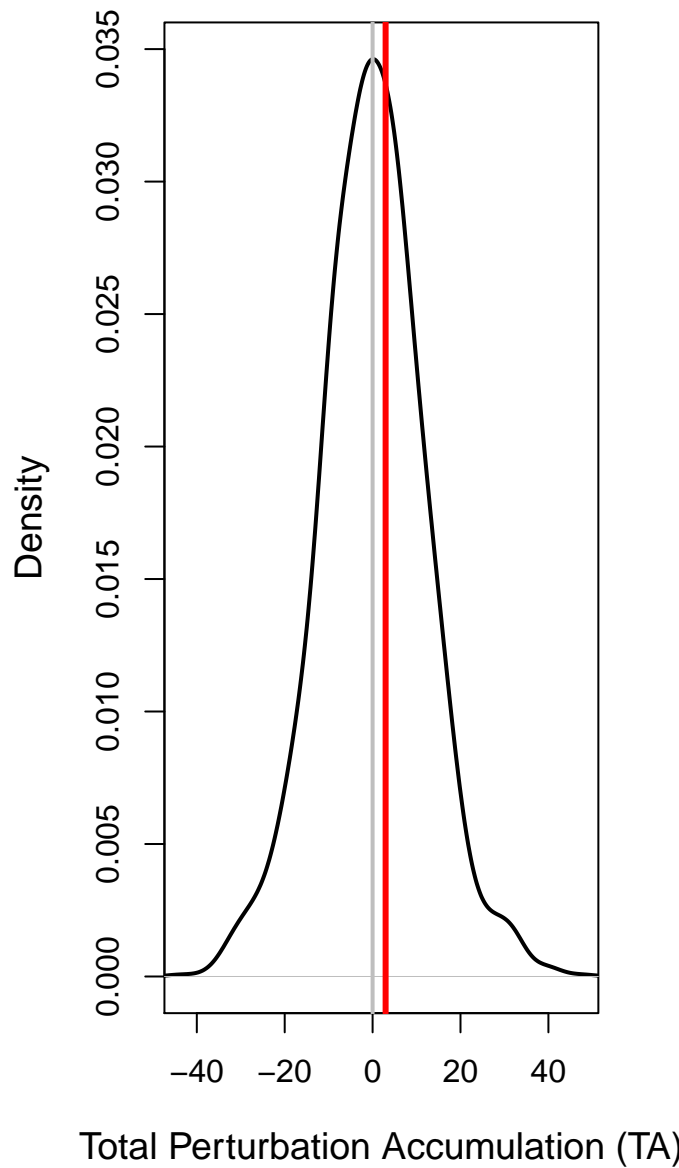
pathway ID=04211 P PERT=0.991



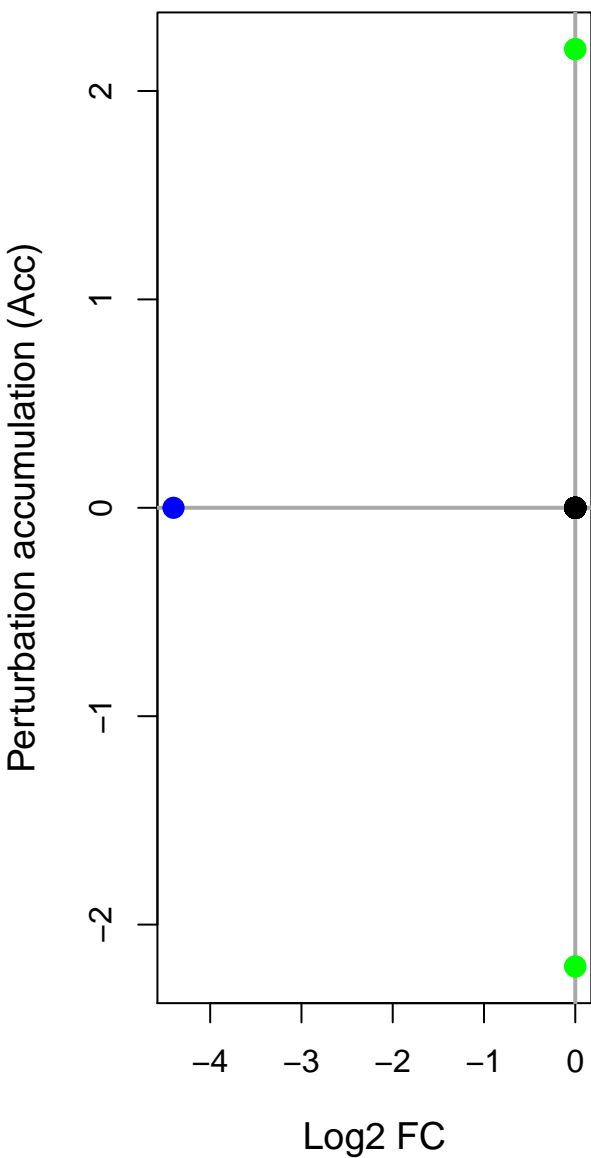
pathway ID=04213



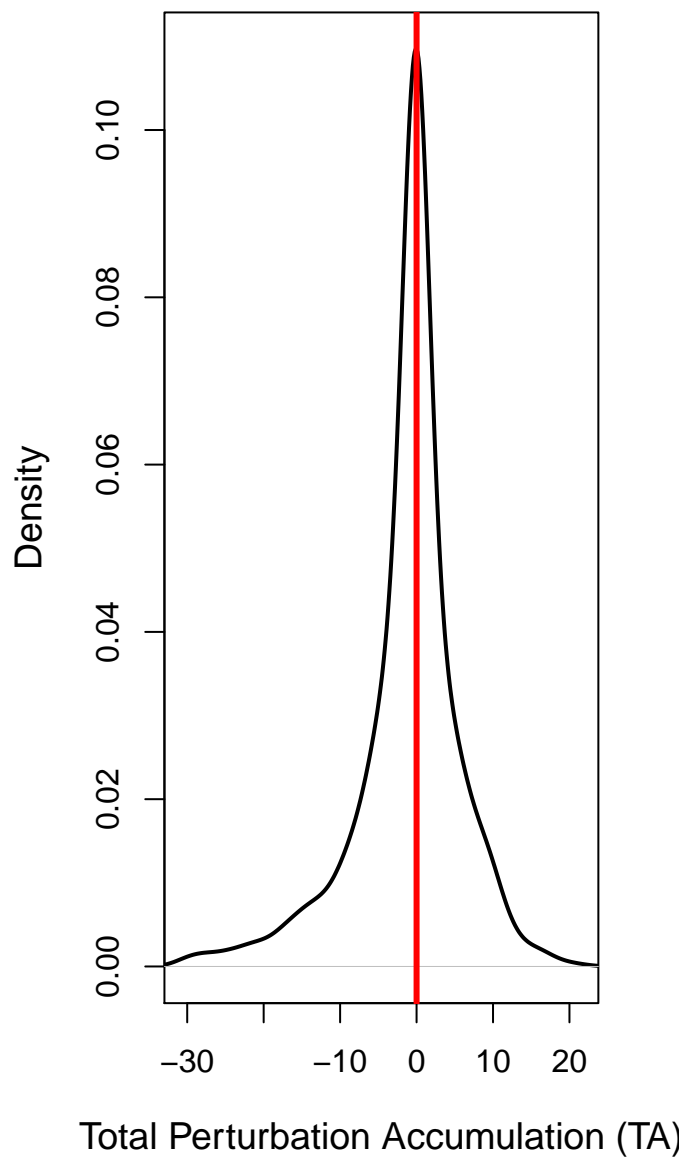
pathway ID=04213 P PERT=0.799



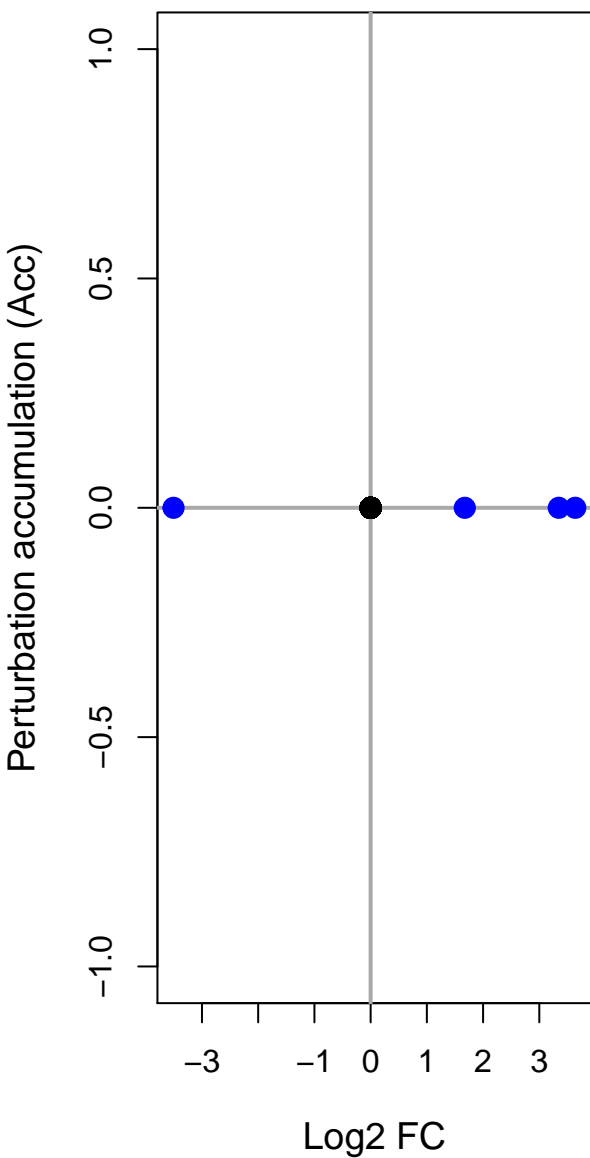
pathway ID=04215



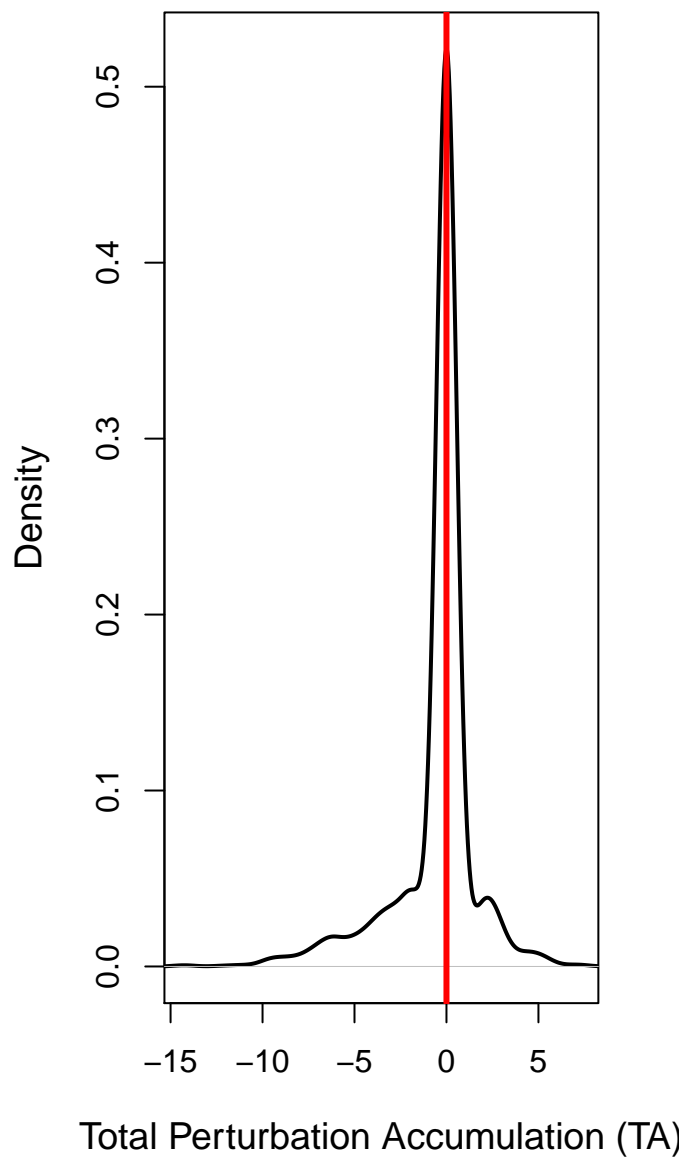
pathway ID=04215 P PERT=1



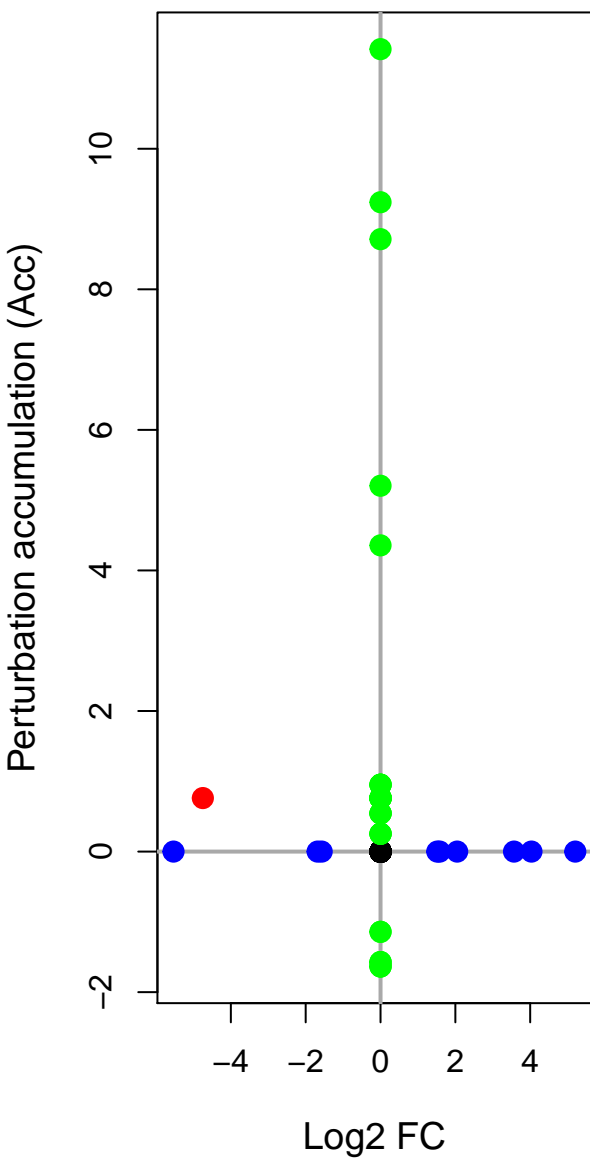
pathway ID=04216



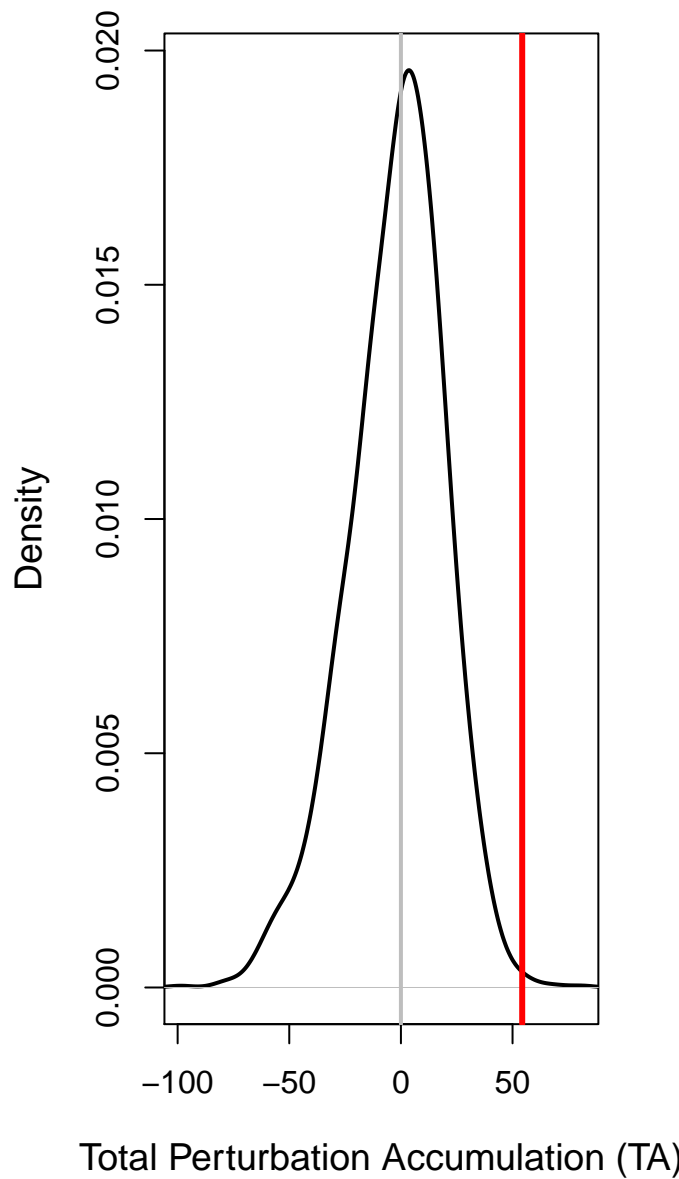
pathway ID=04216 P PERT=1



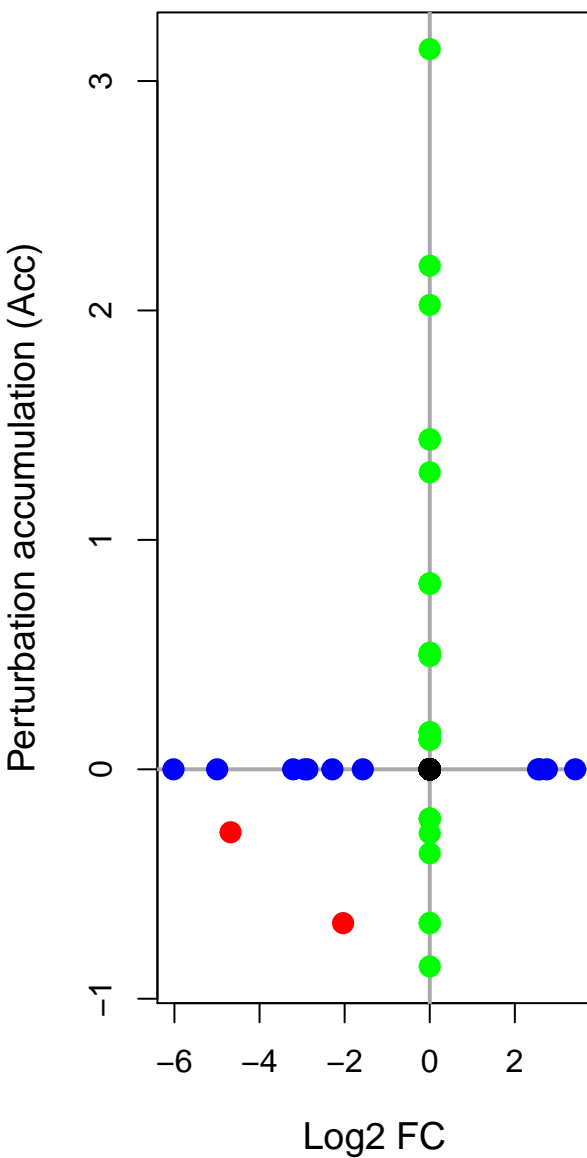
pathway ID=04217



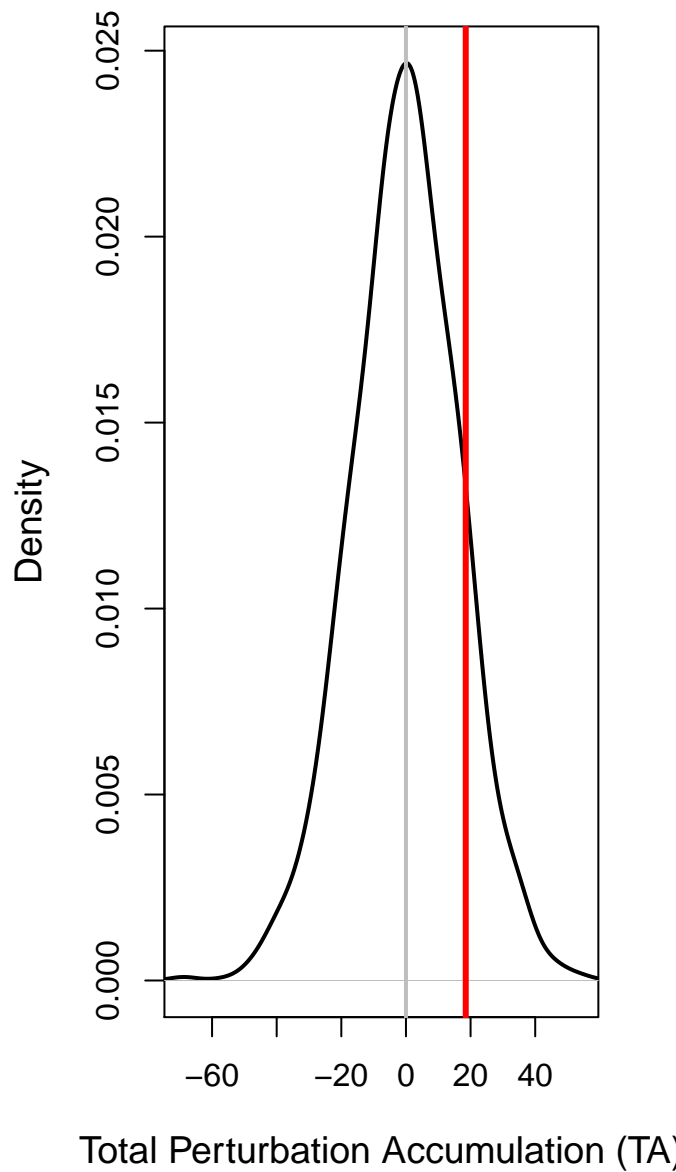
pathway ID=04217 P PERT=0.005



pathway ID=04218

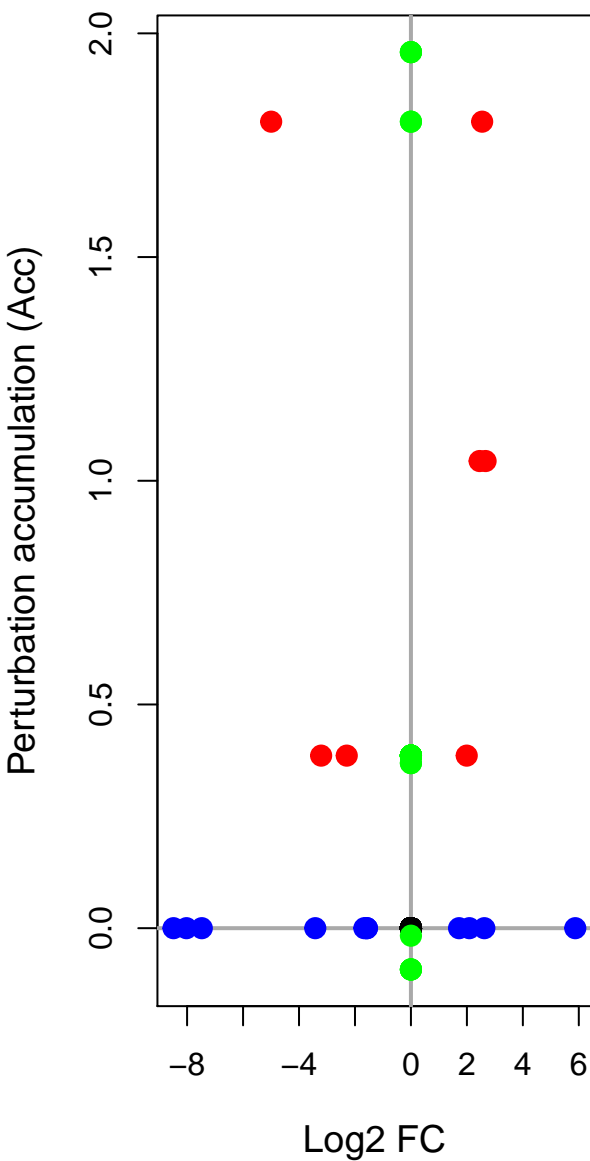


pathway ID=04218 P PERT=0.253

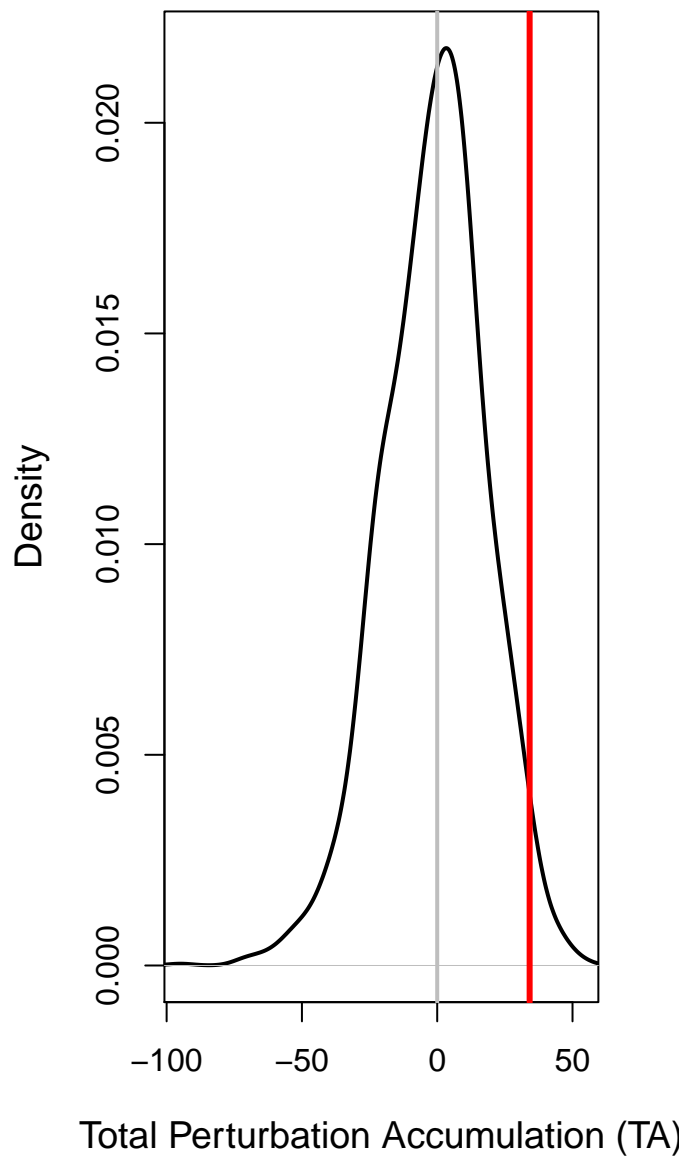




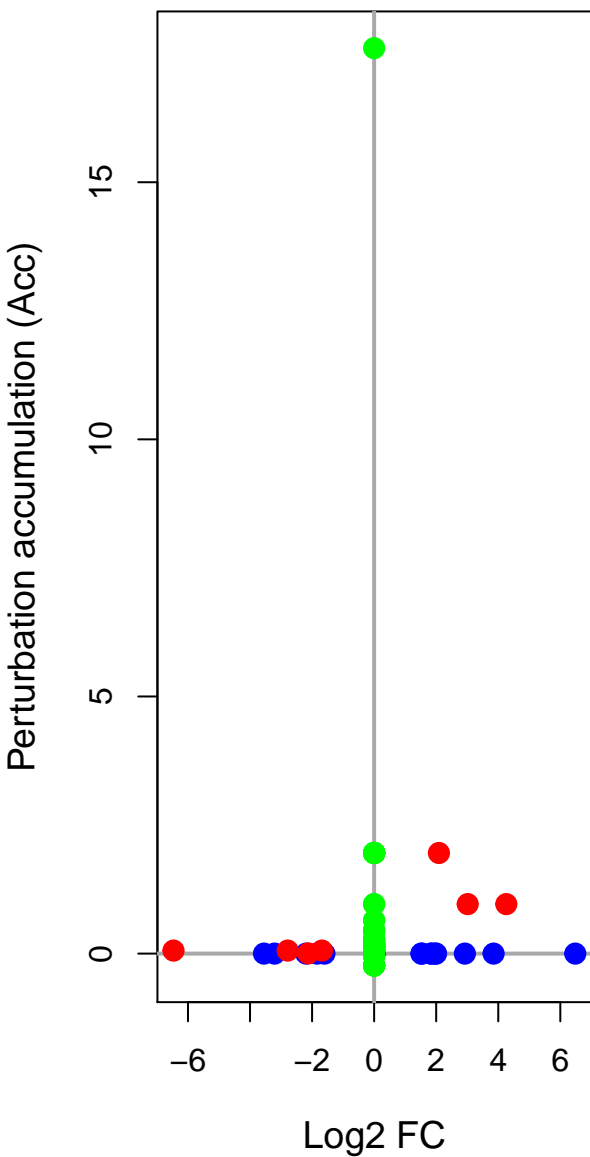
pathway ID=04261



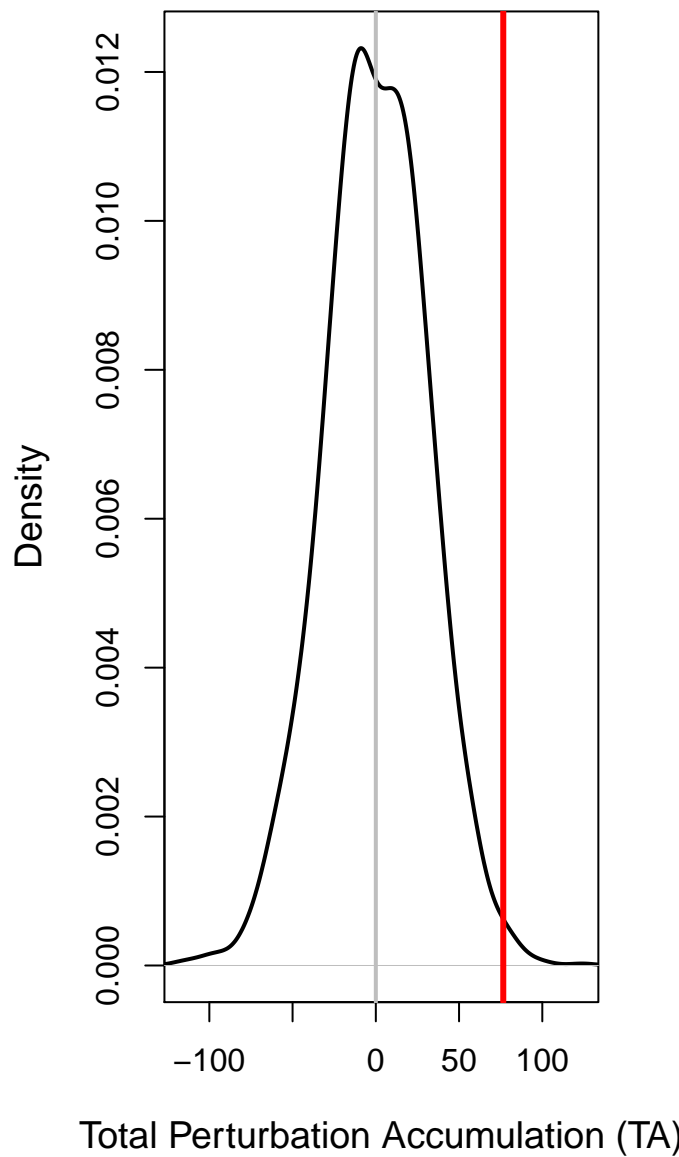
pathway ID=04261 P PERT=0.047



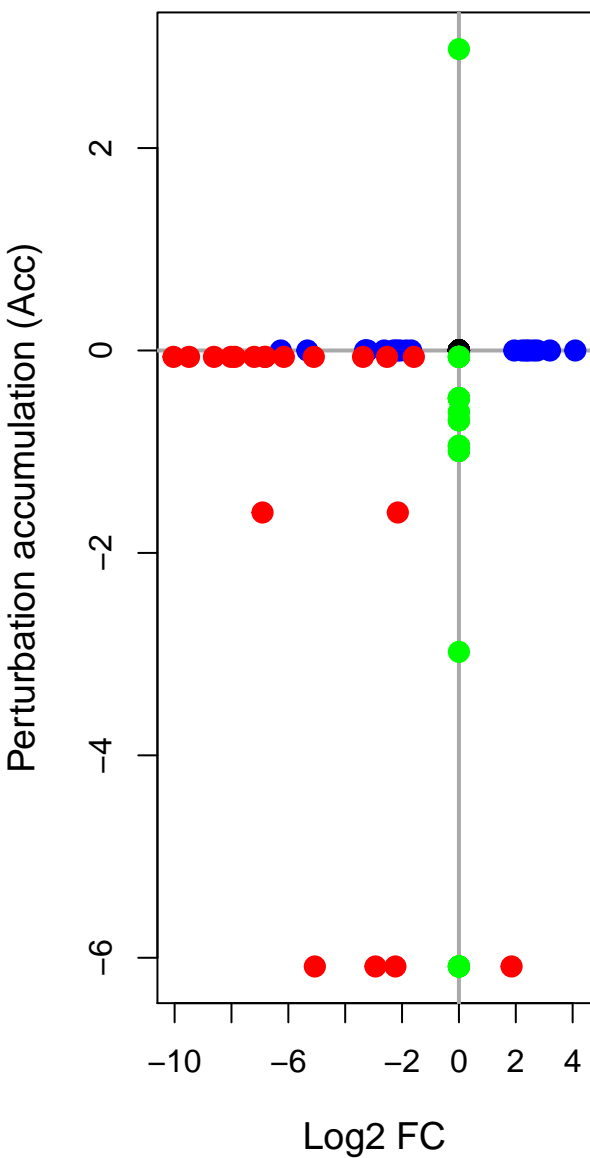
pathway ID=04270



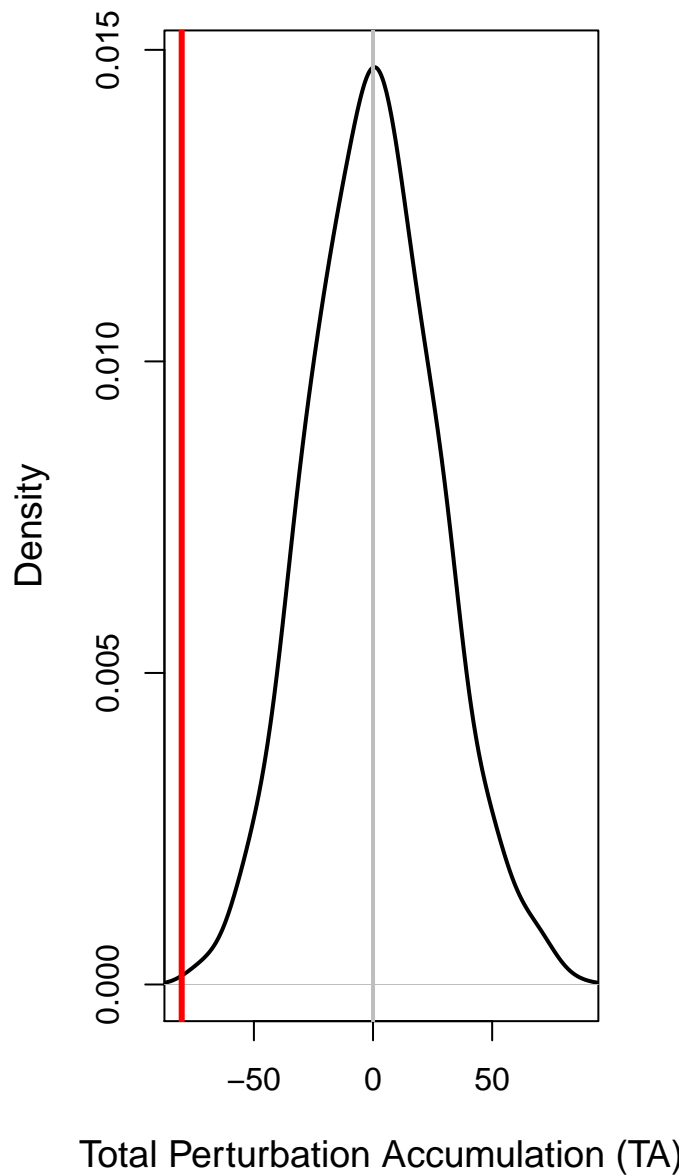
pathway ID=04270 P PERT=0.014



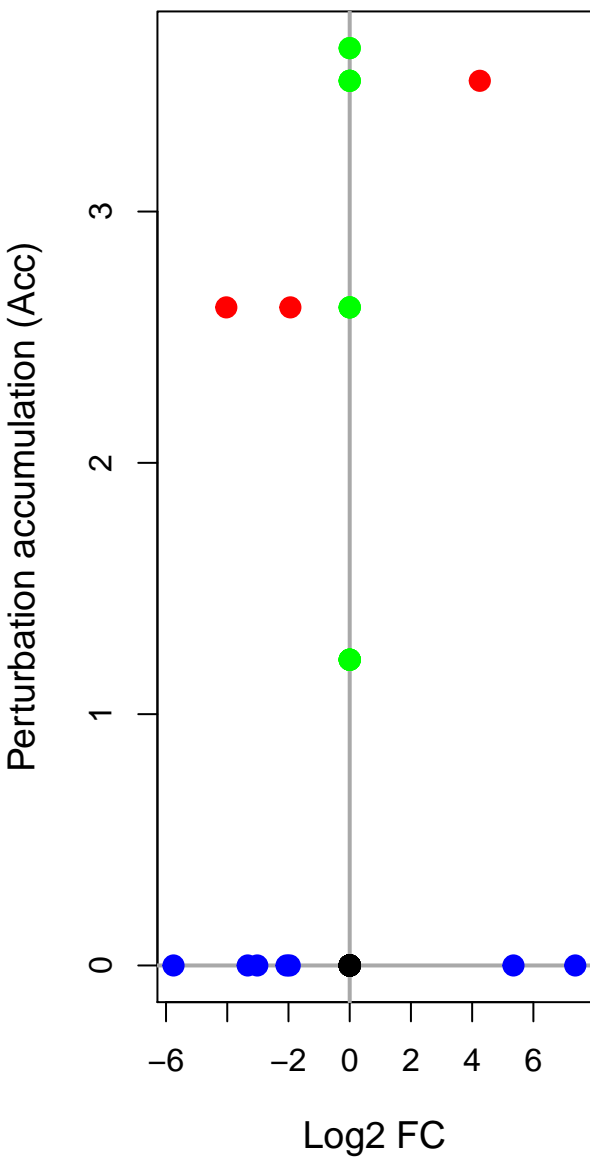
pathway ID=04310



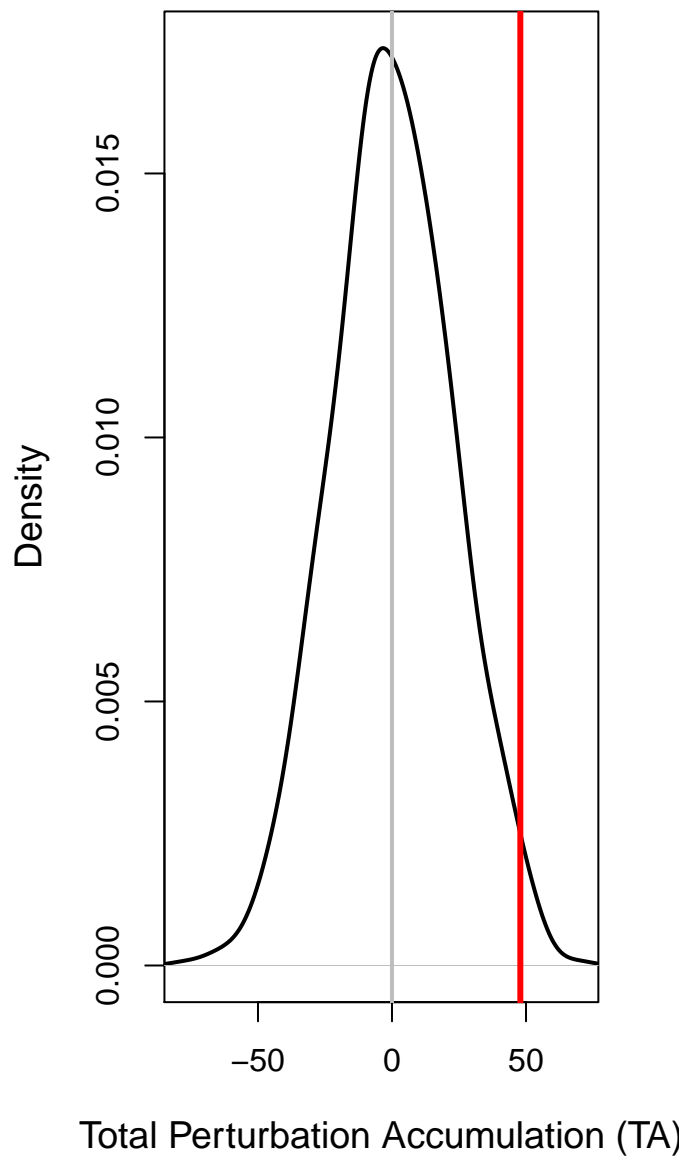
pathway ID=04310 P PERT=0



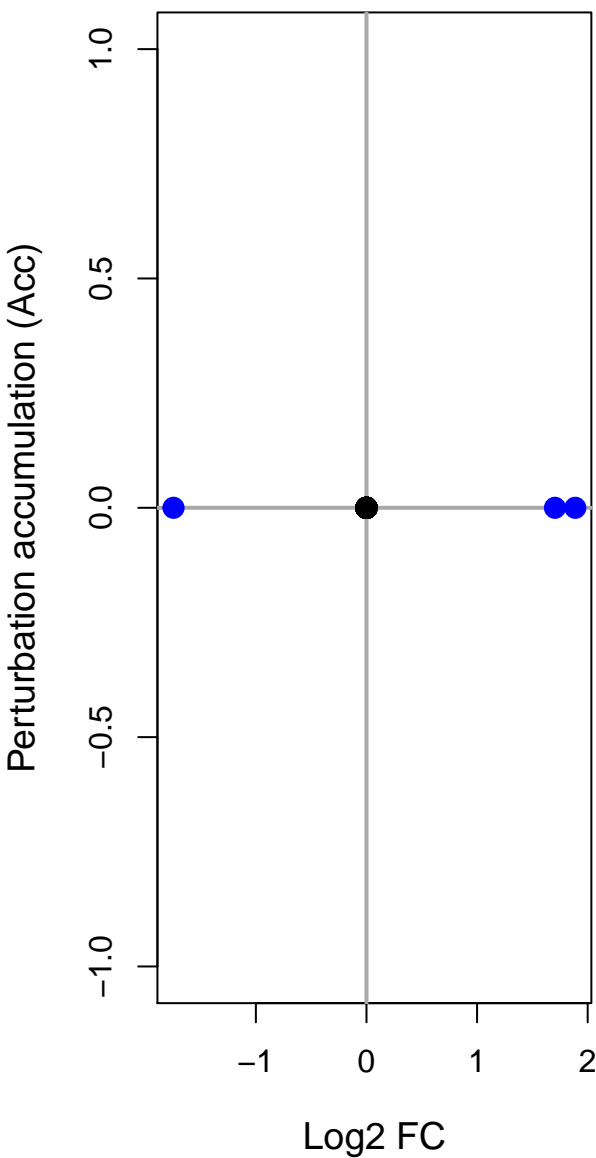
pathway ID=04330



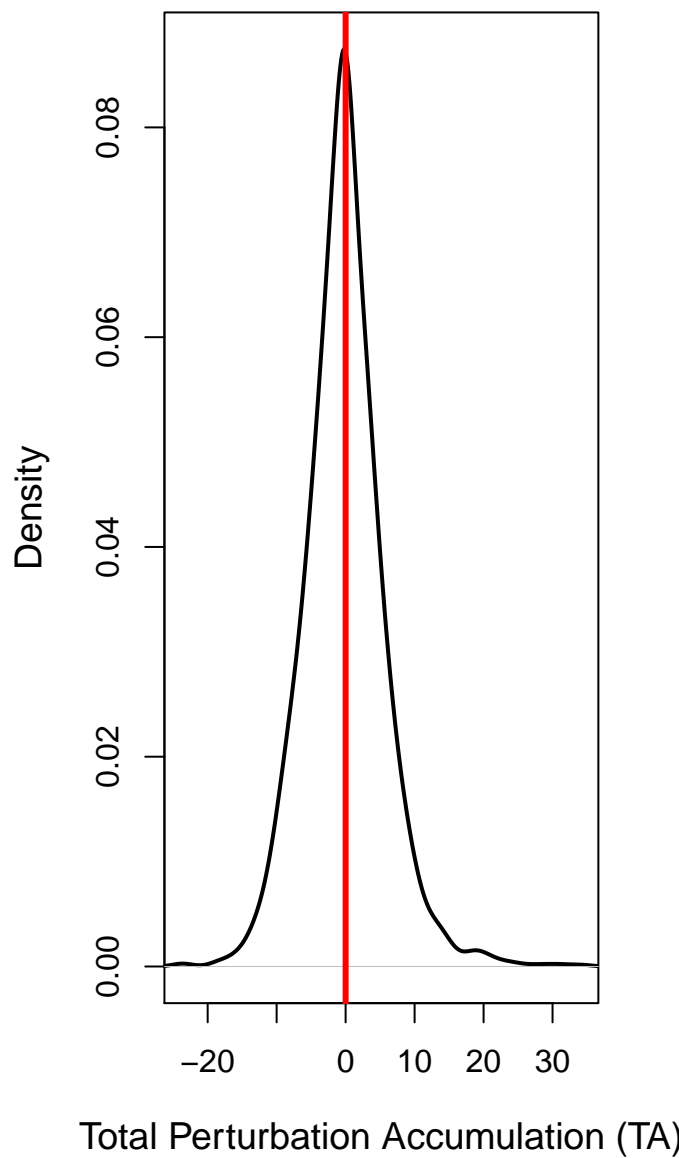
pathway ID=04330 P PERT=0.03



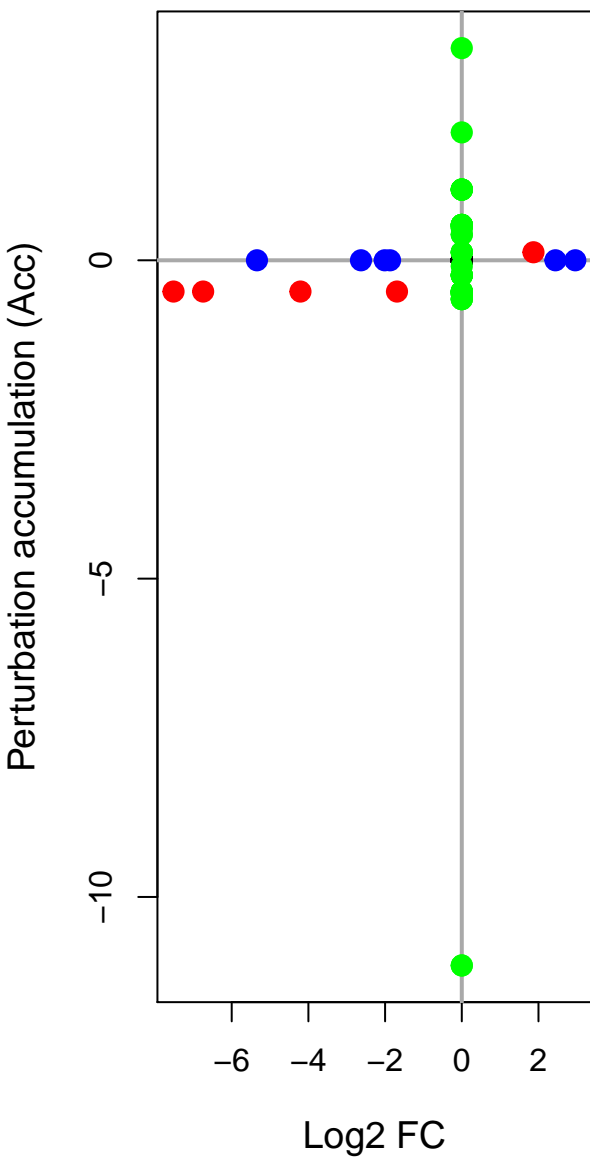
pathway ID=04340



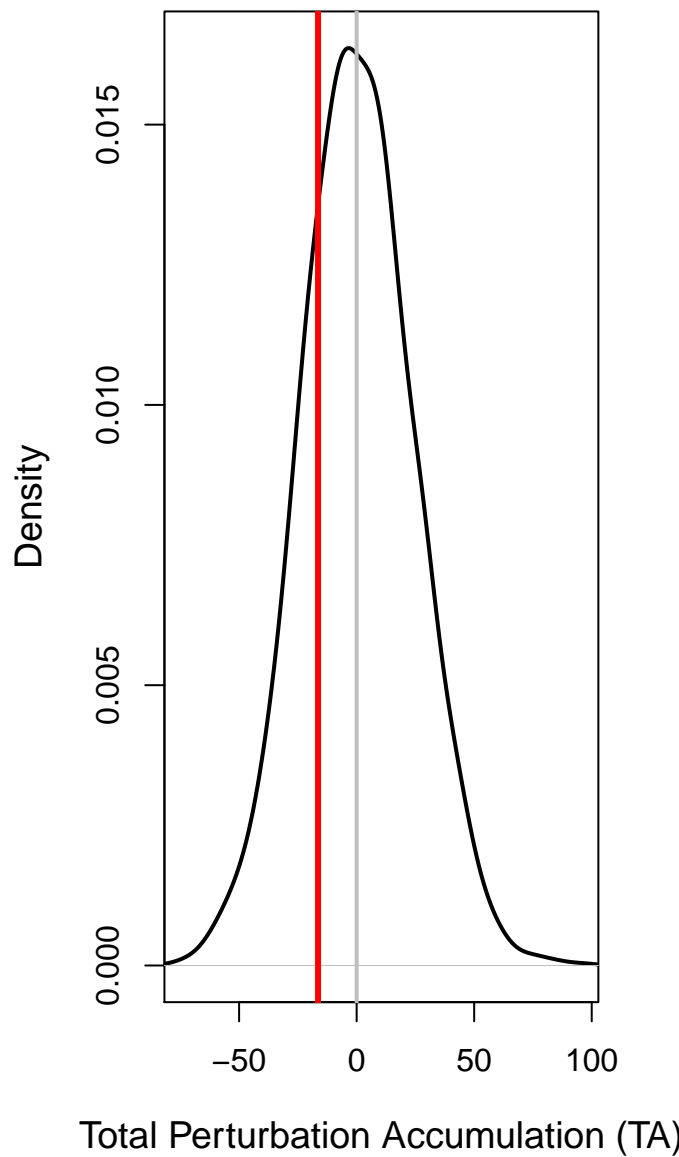
pathway ID=04340 P PERT=1



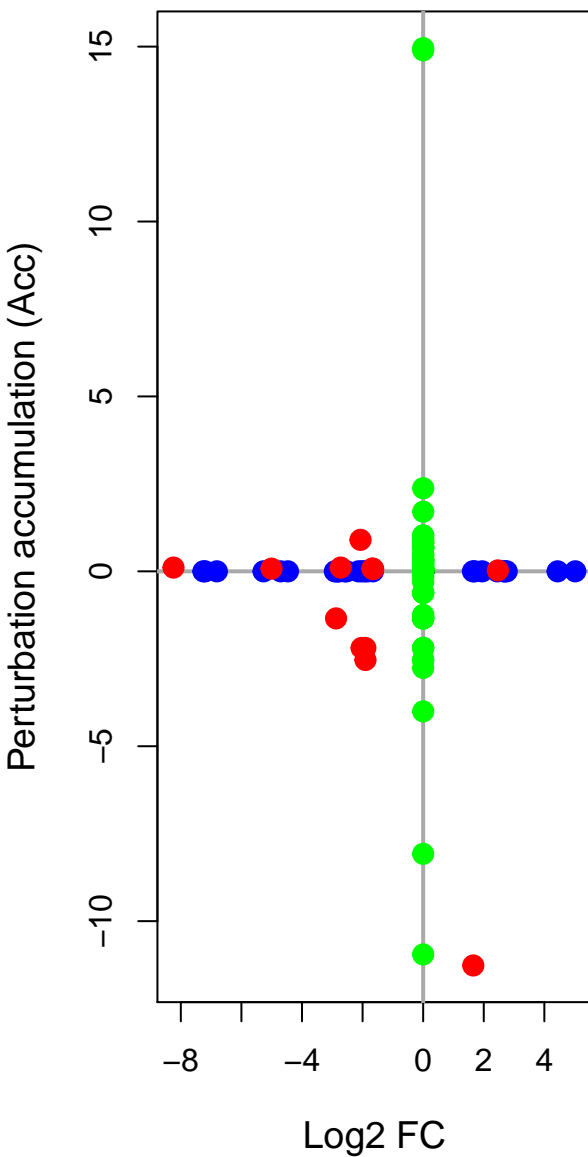
pathway ID=04350



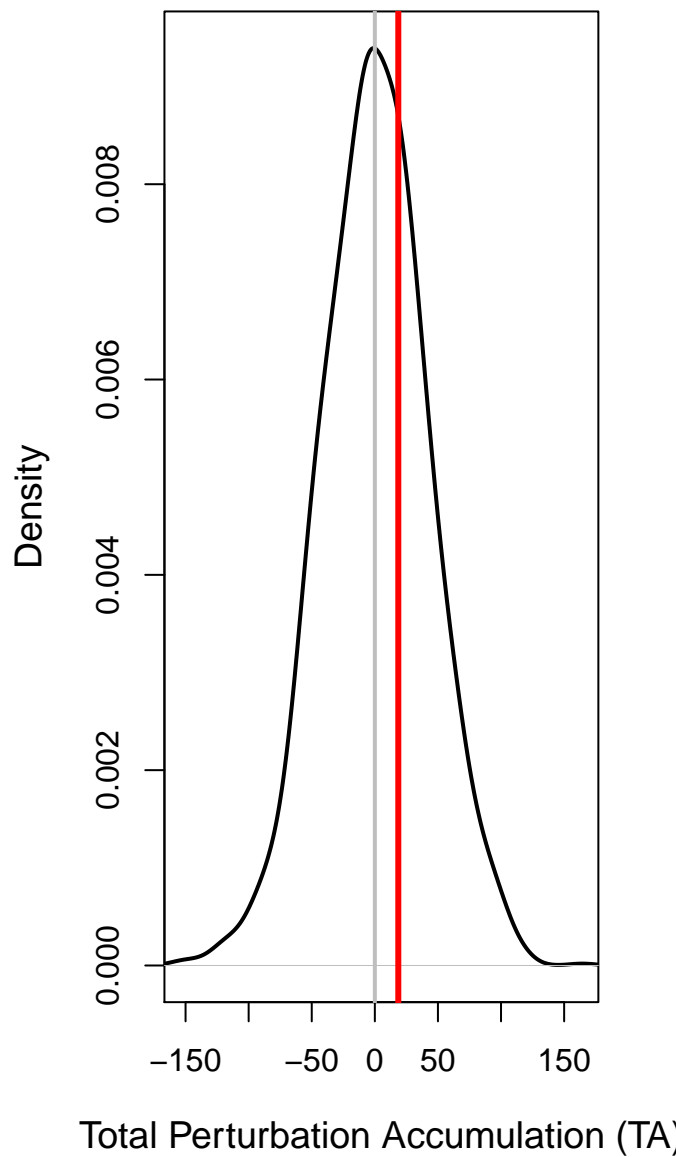
pathway ID=04350 P PERT=0.486



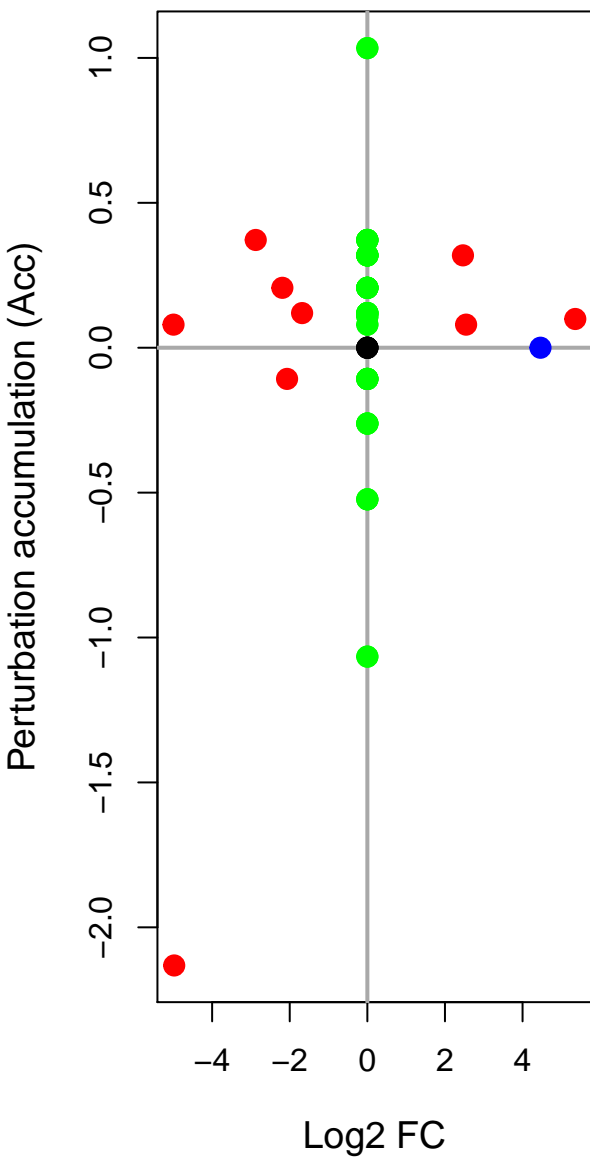
pathway ID=04360



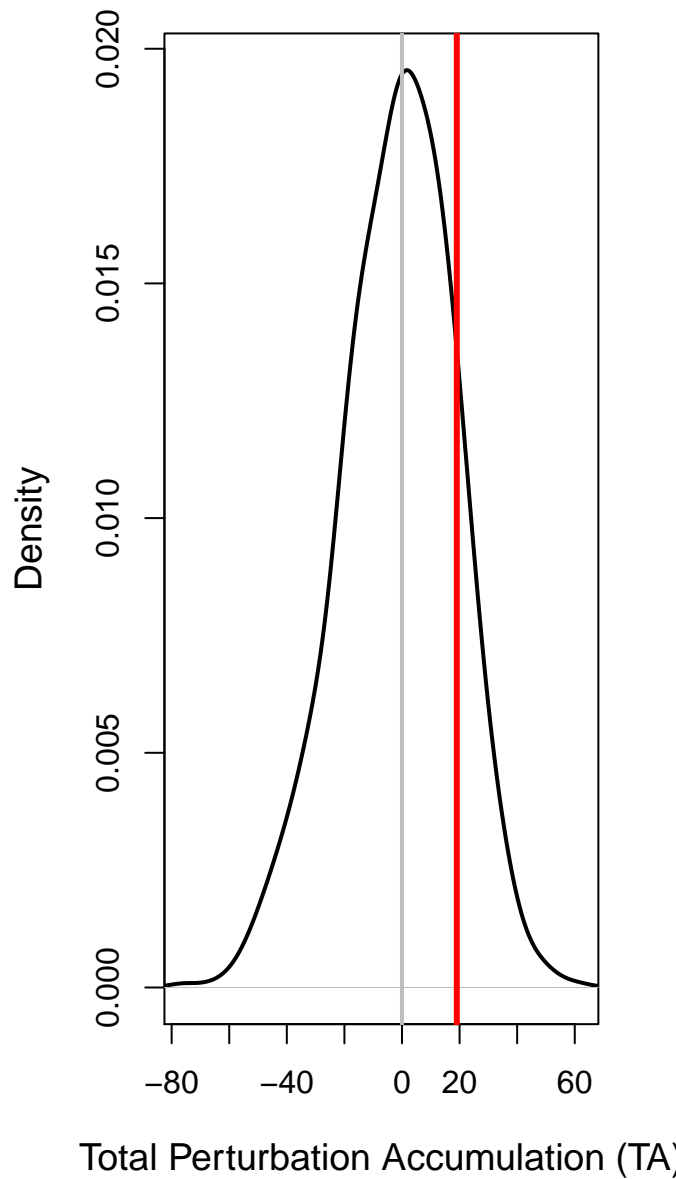
pathway ID=04360 P PERT=0.67



pathway ID=04370

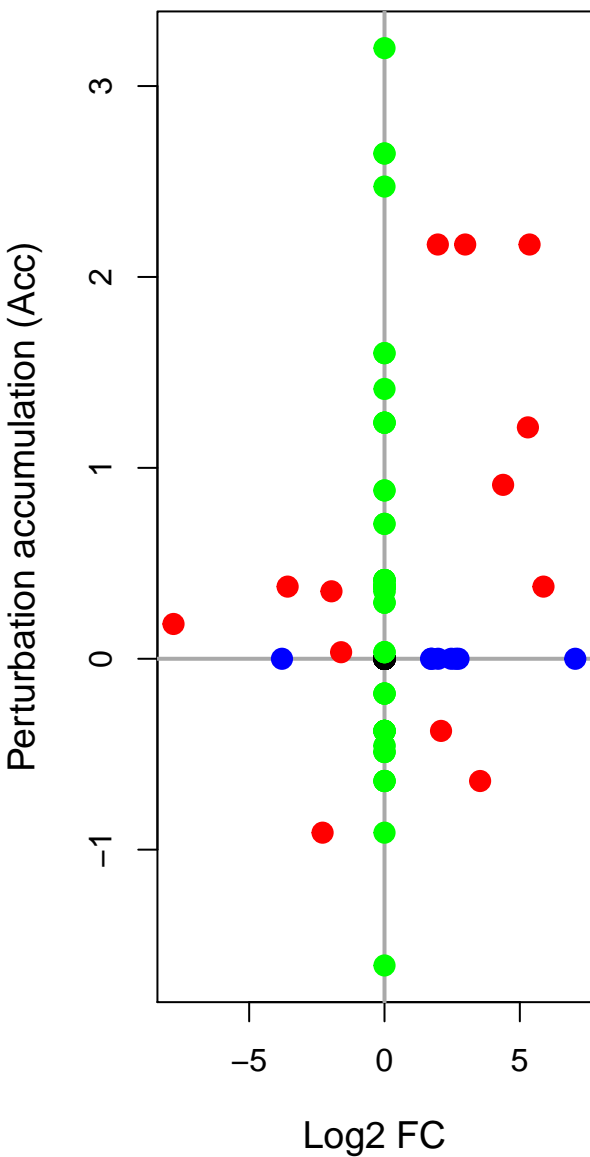


pathway ID=04370 P PERT=0.299

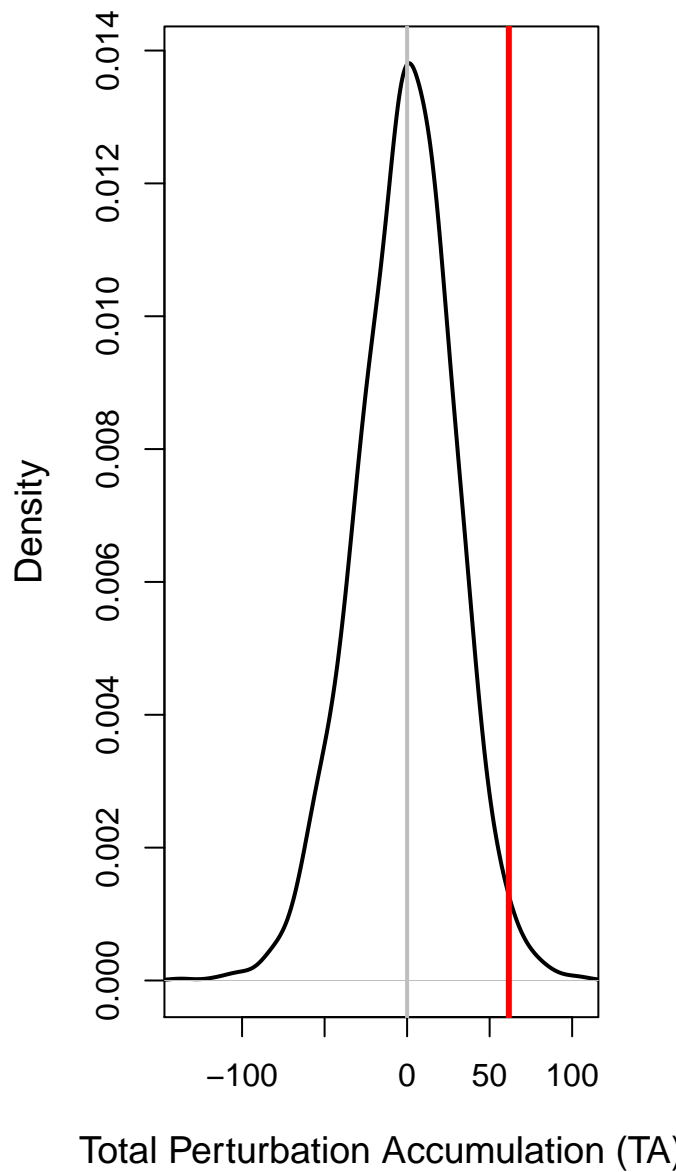




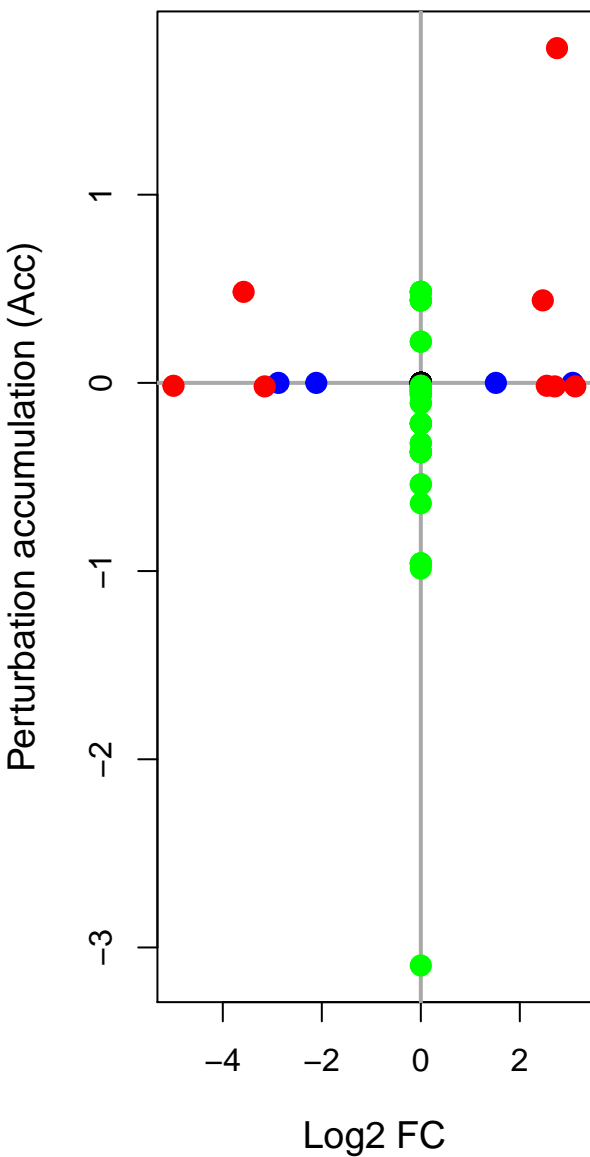
pathway ID=04371



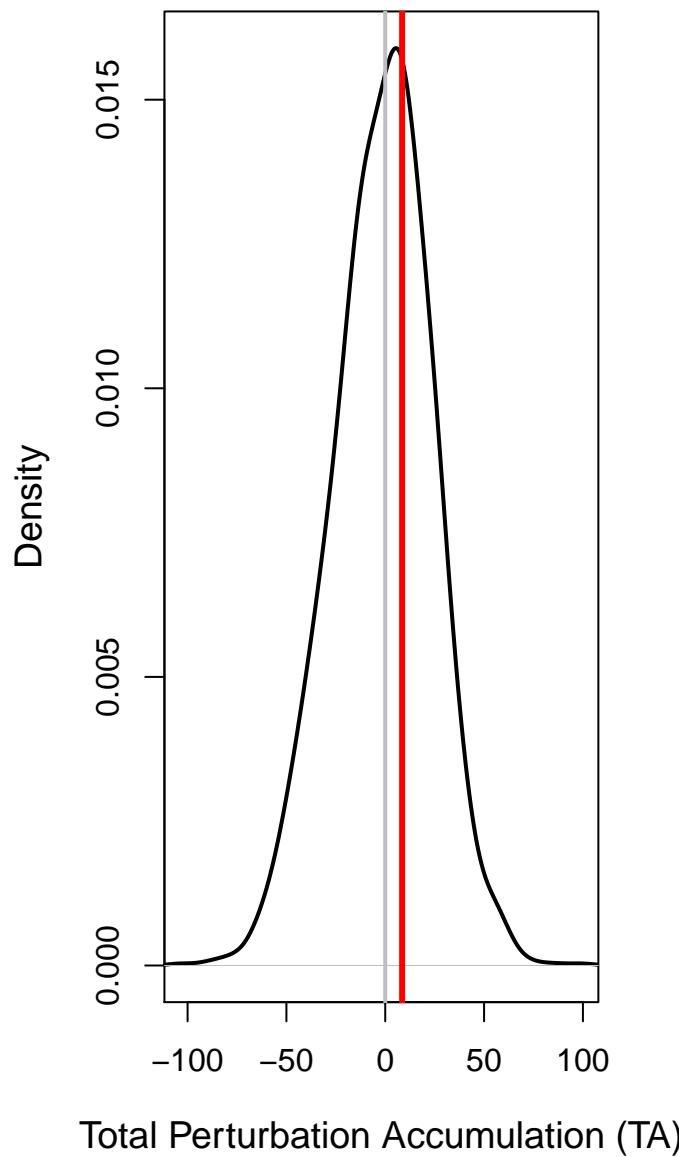
pathway ID=04371 P PERT=0.027



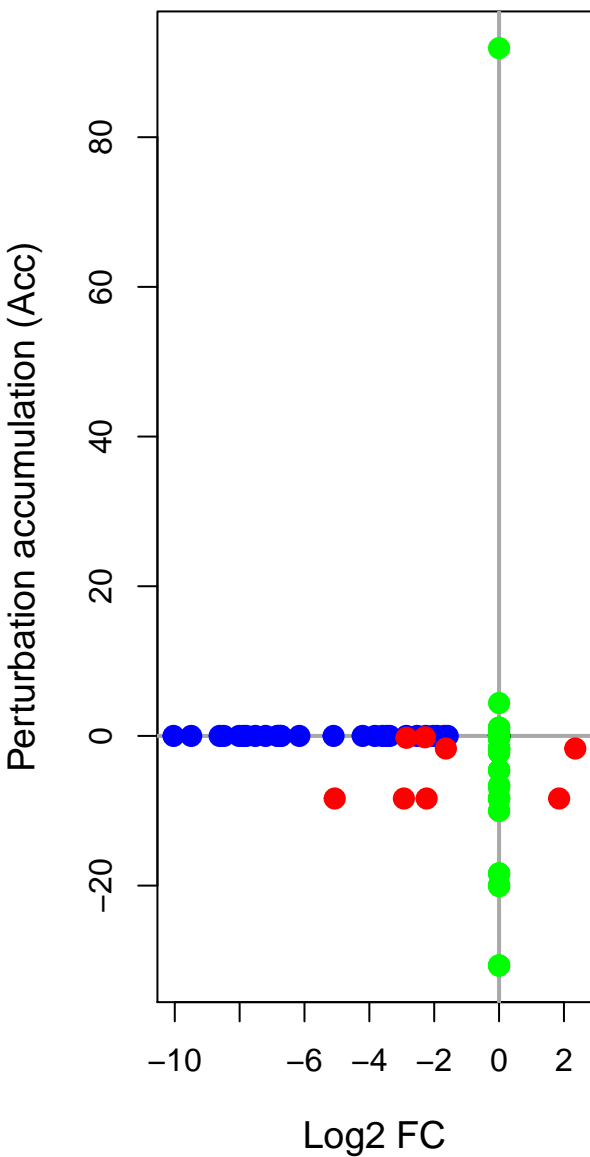
pathway ID=04380



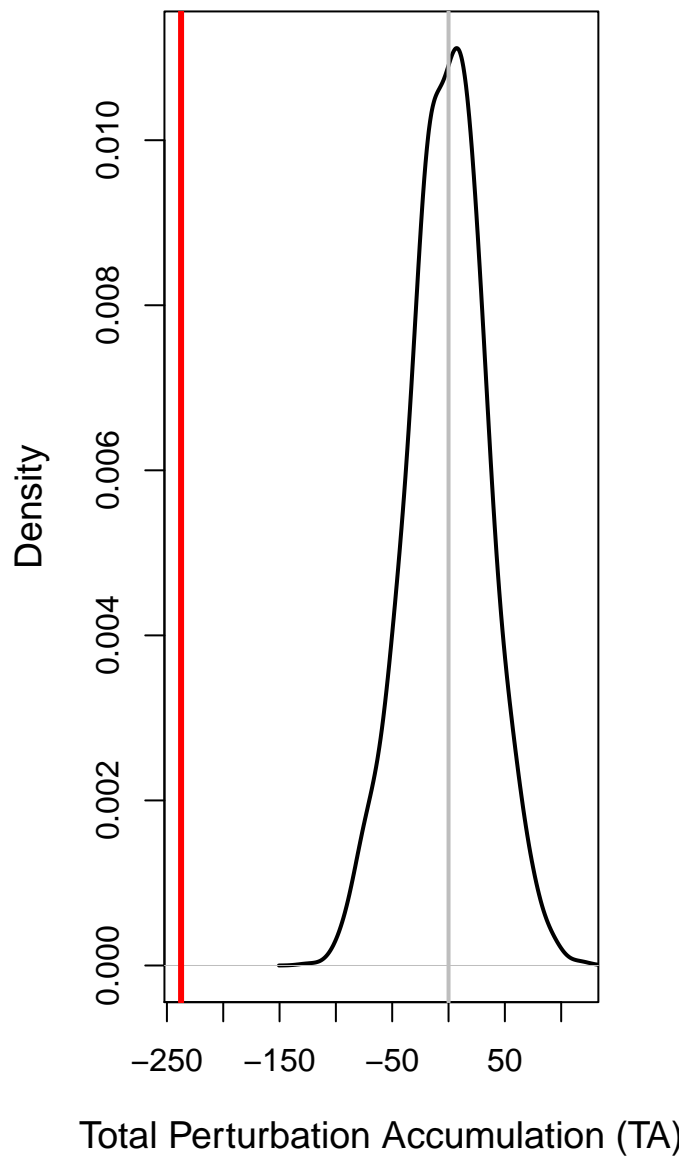
pathway ID=04380 P PERT=0.722



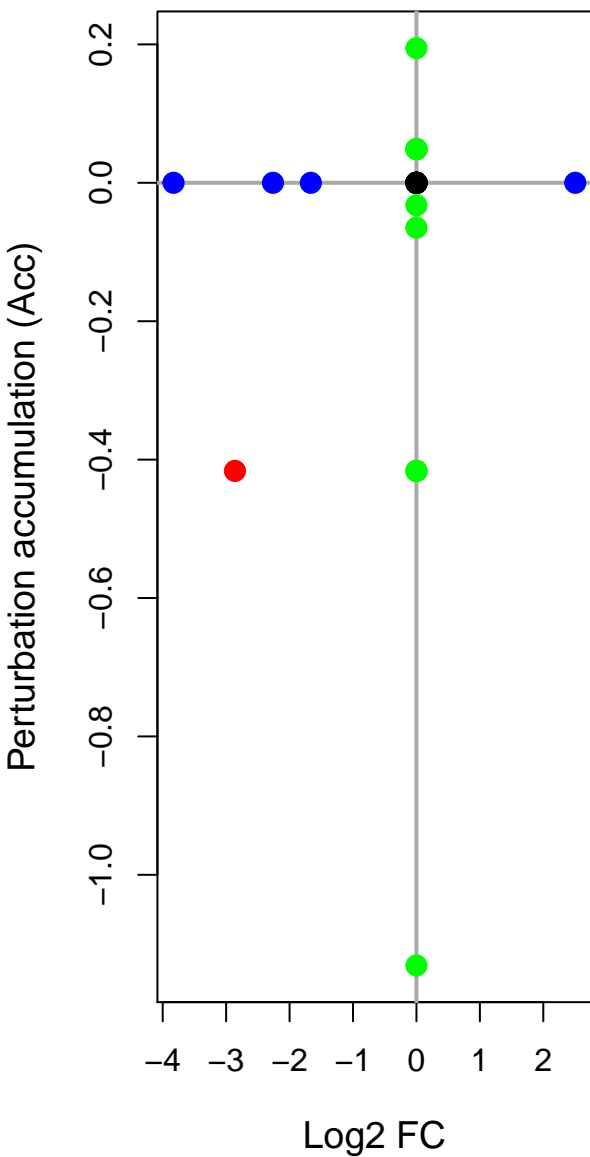
pathway ID=04390



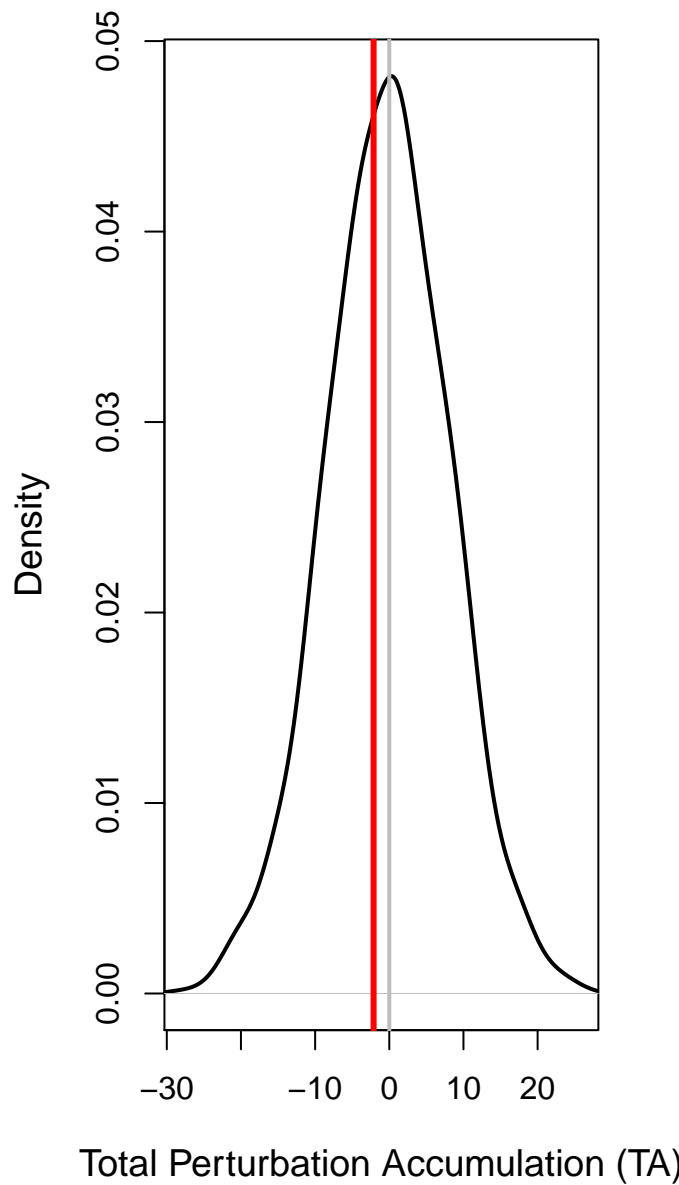
pathway ID=04390 P PERT=0



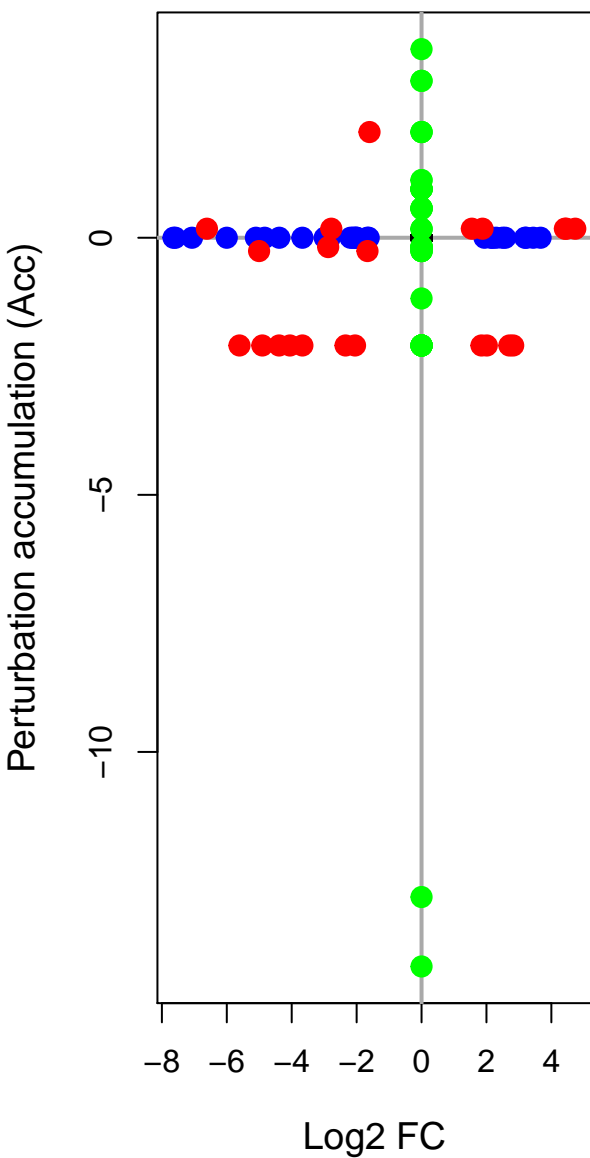
pathway ID=04392



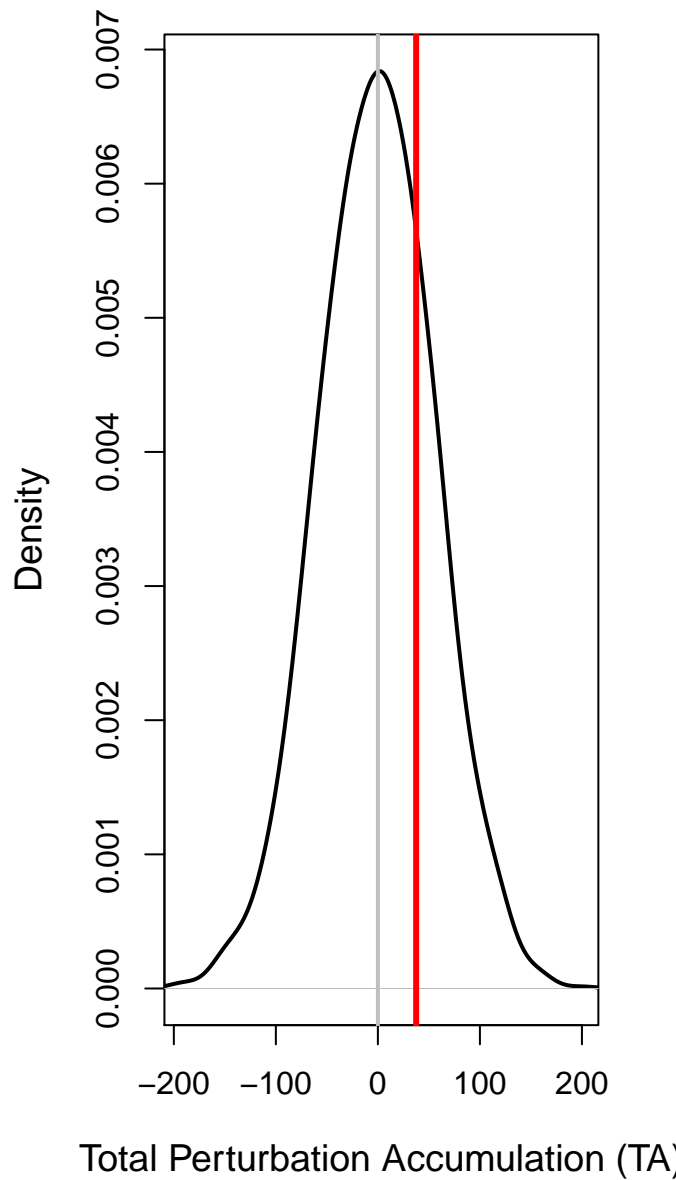
pathway ID=04392 P PERT=0.825



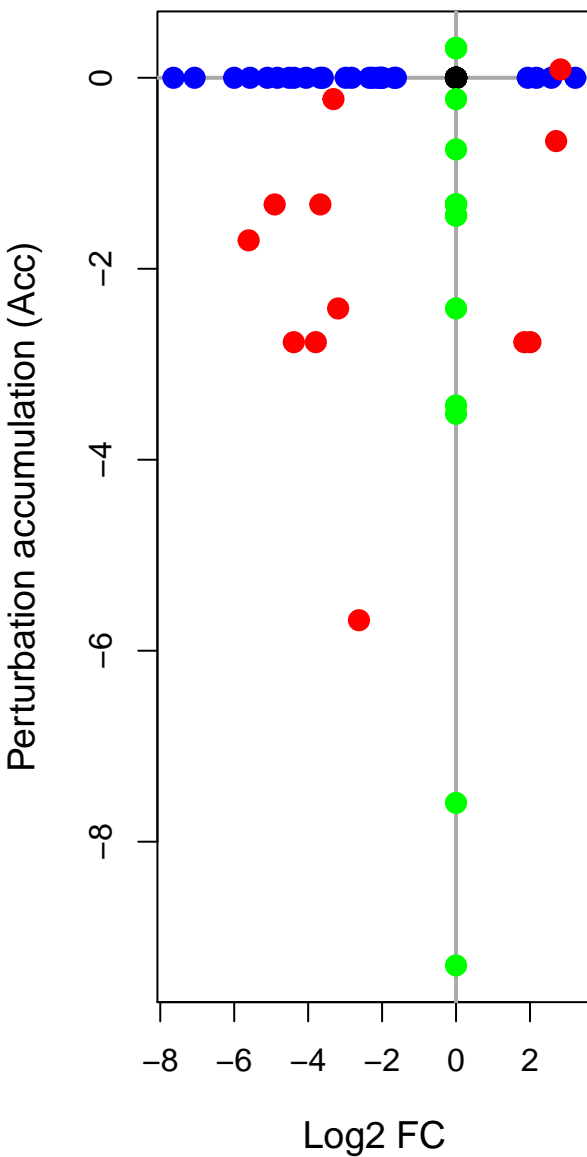
pathway ID=04510



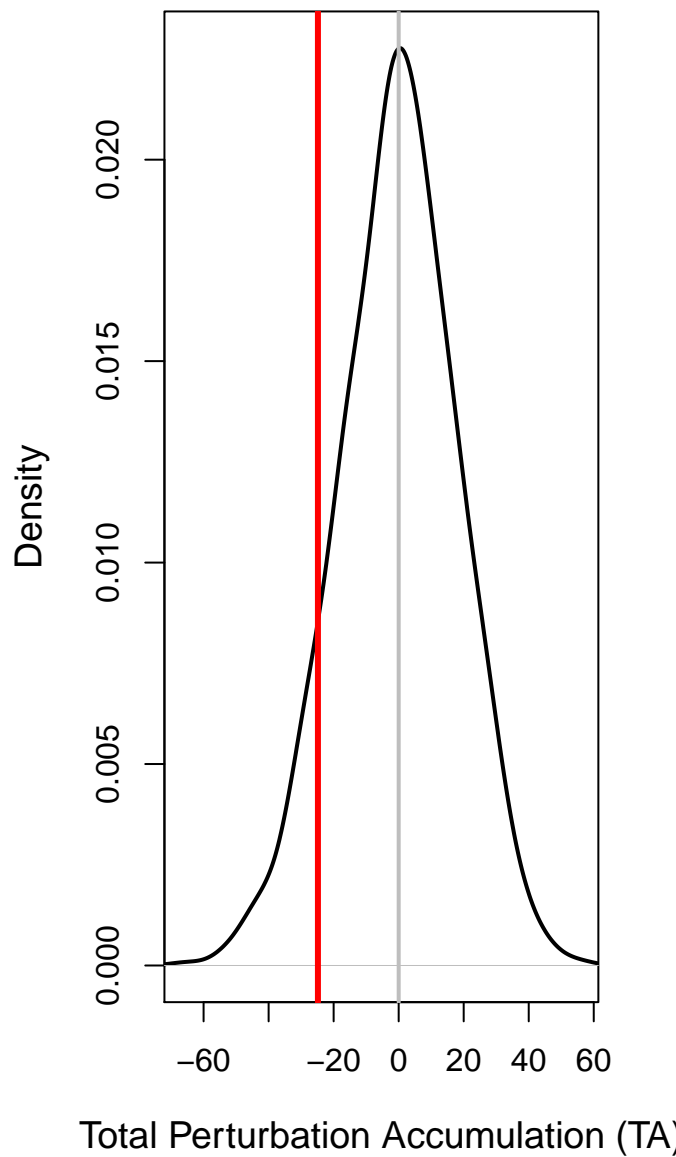
pathway ID=04510 P PERT=0.497



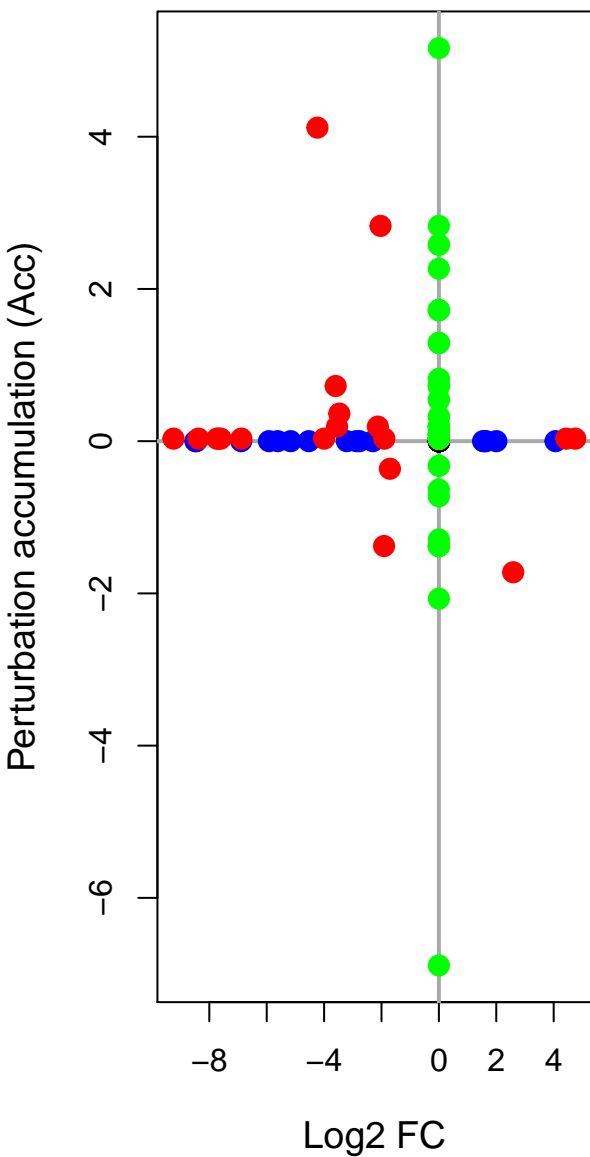
pathway ID=04512



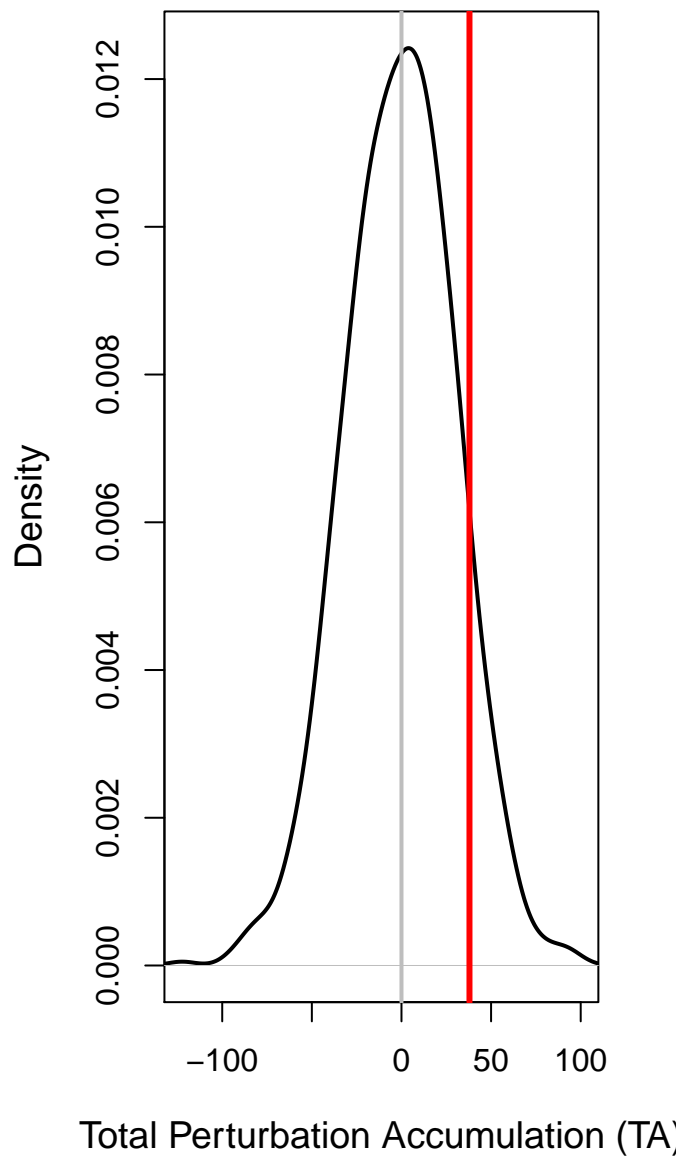
pathway ID=04512 P PERT=0.183



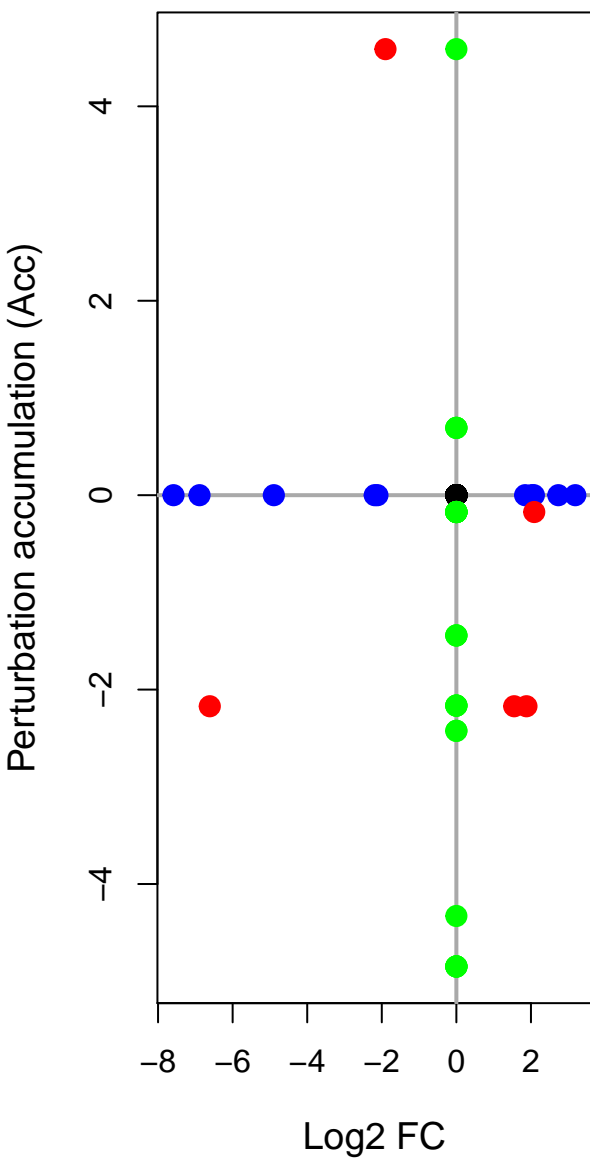
pathway ID=04530



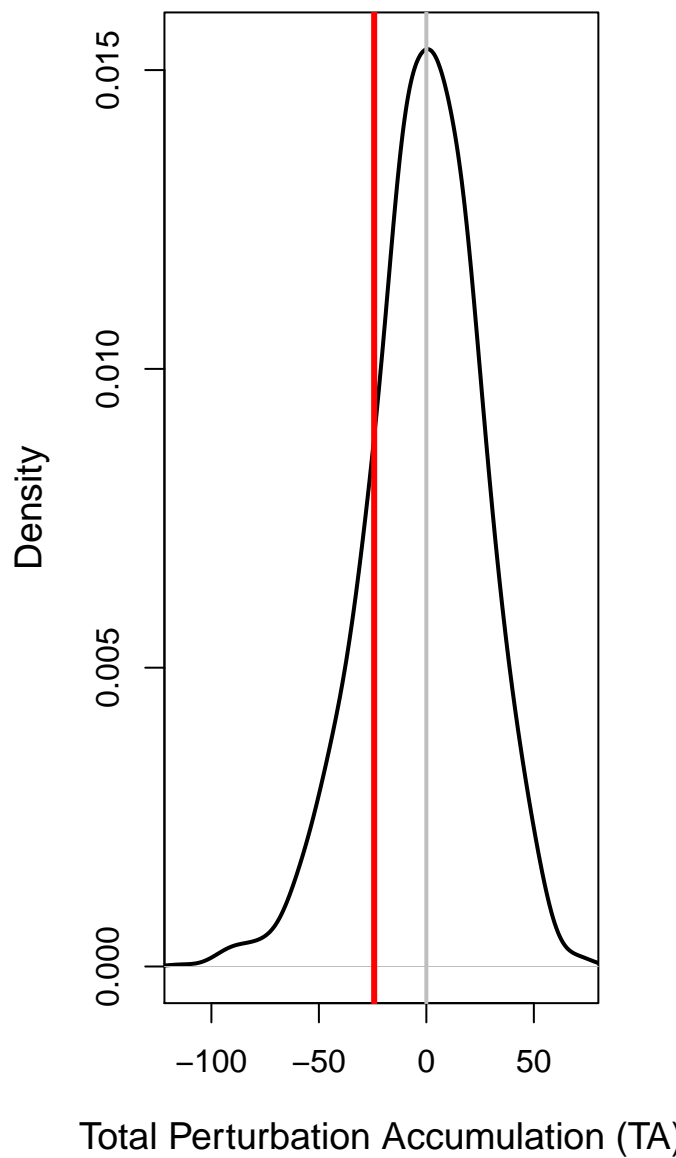
pathway ID=04530 P PERT=0.185



pathway ID=04540

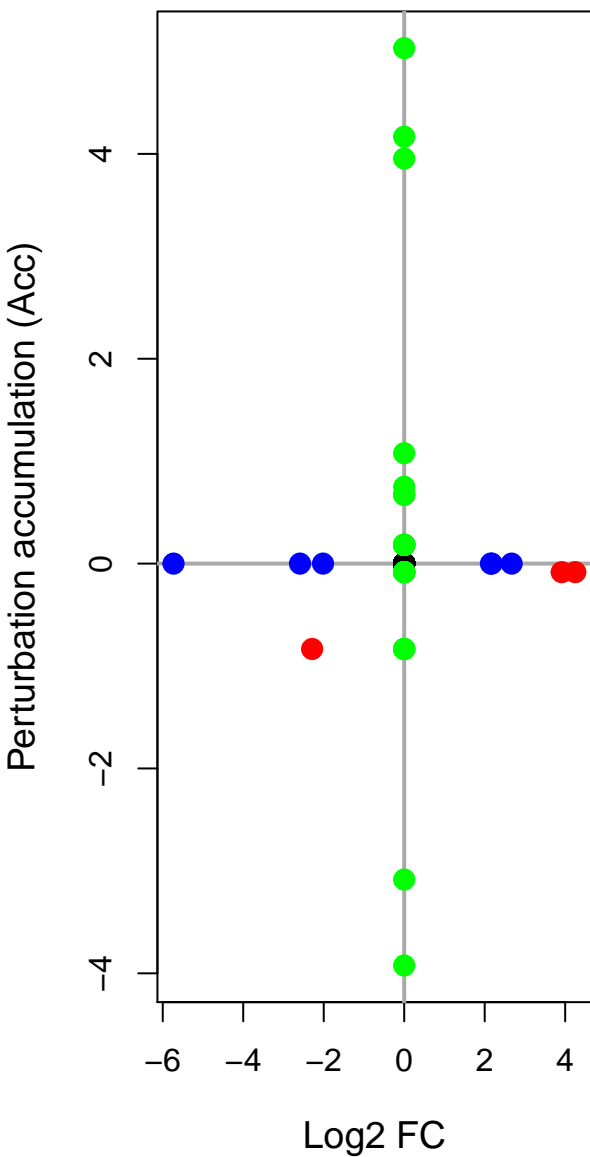


pathway ID=04540 P PERT=0.357

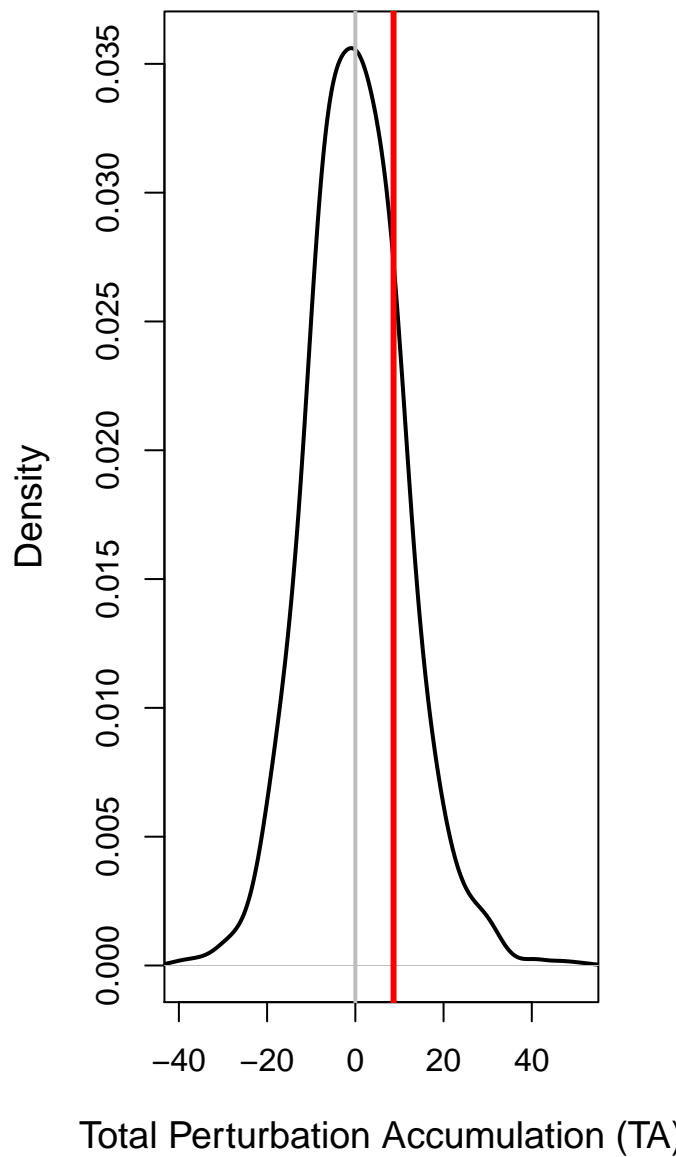




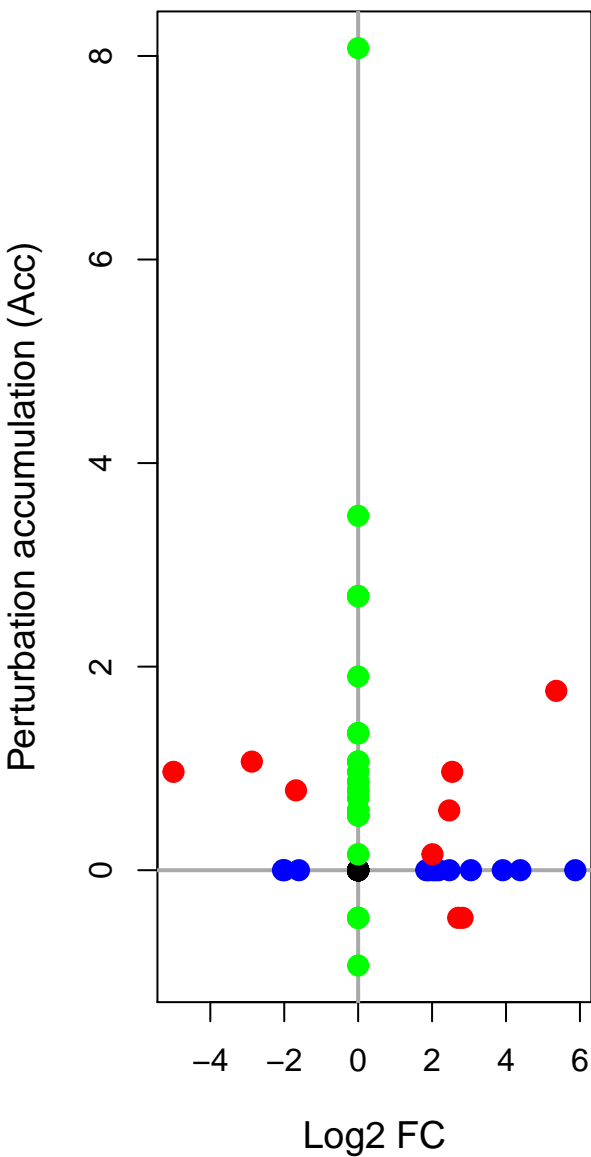
pathway ID=04610



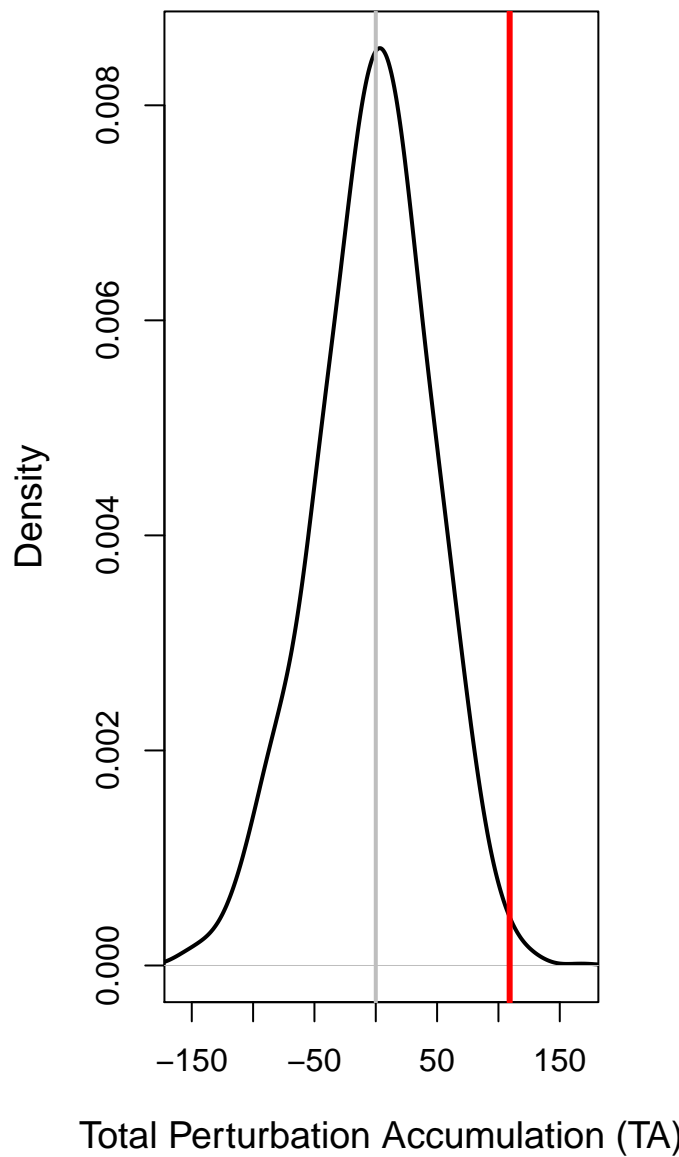
pathway ID=04610 P PERT=0.408



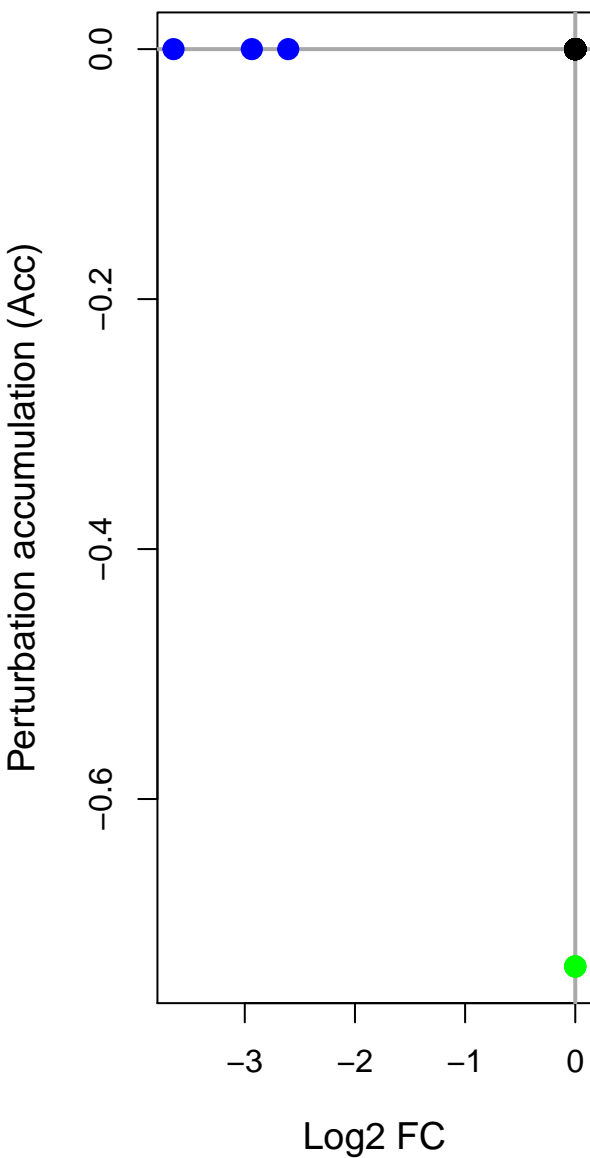
pathway ID=04611



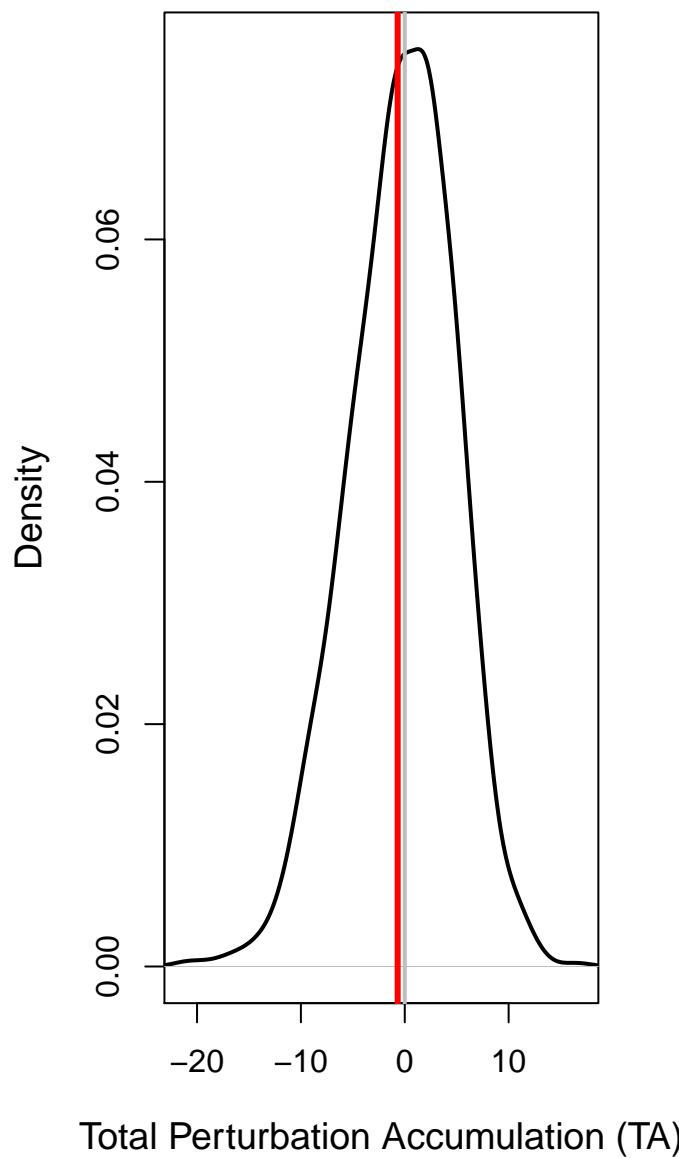
pathway ID=04611 P PERT=0.009



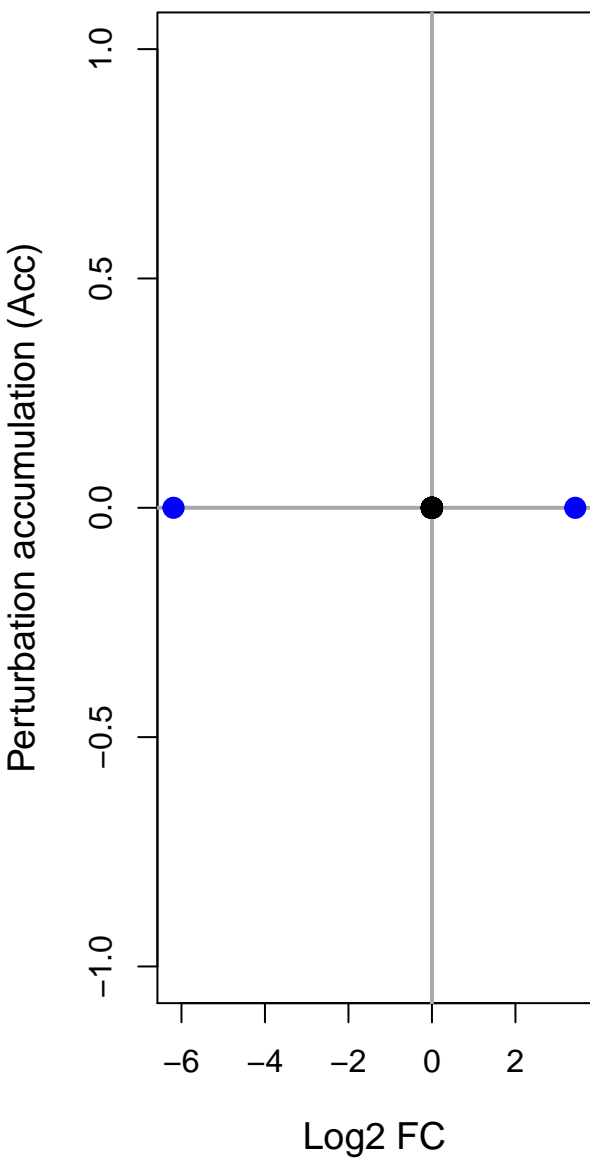
pathway ID=04612



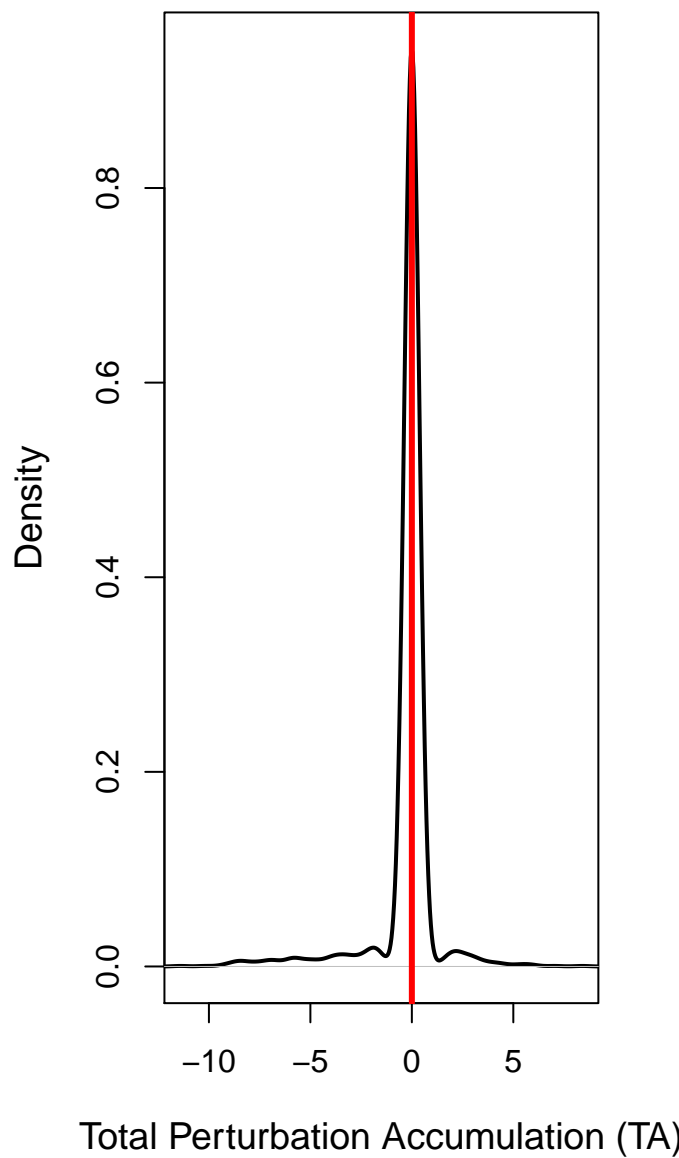
pathway ID=04612 P PERT=0.898



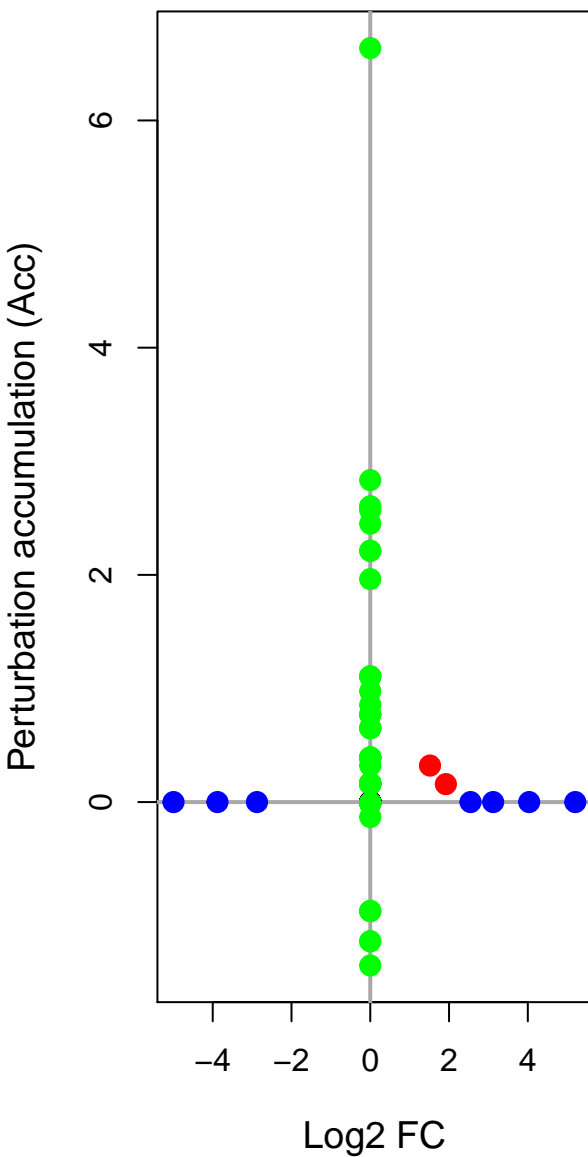
pathway ID=04614



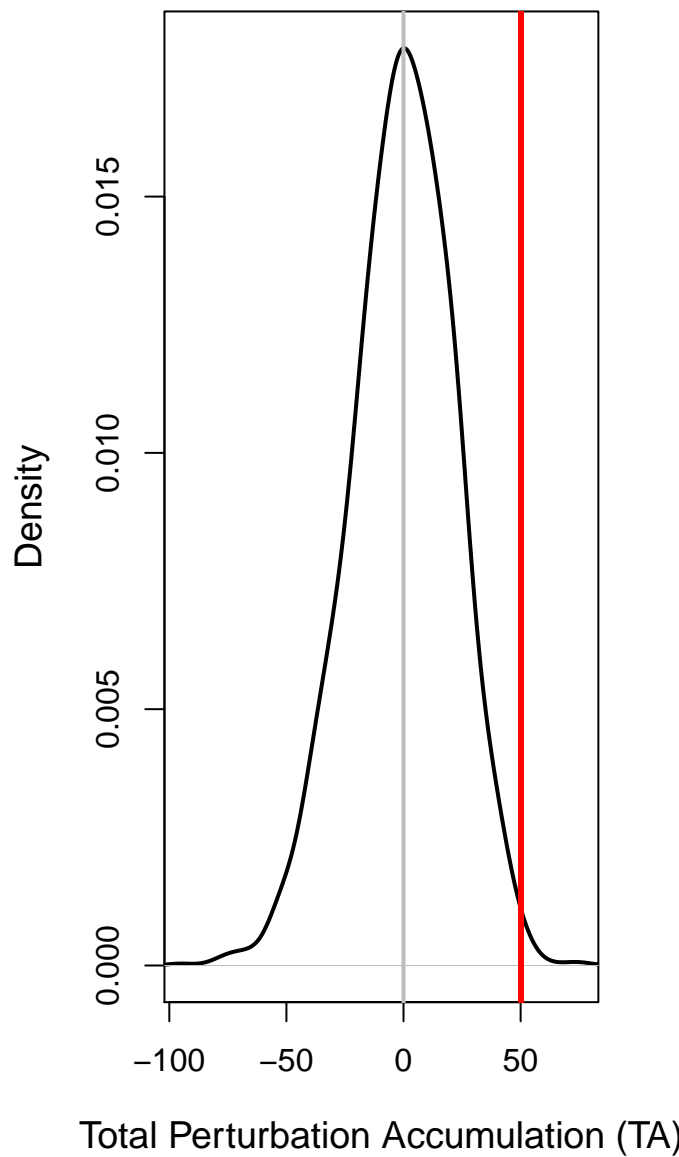
pathway ID=04614 P PERT=1



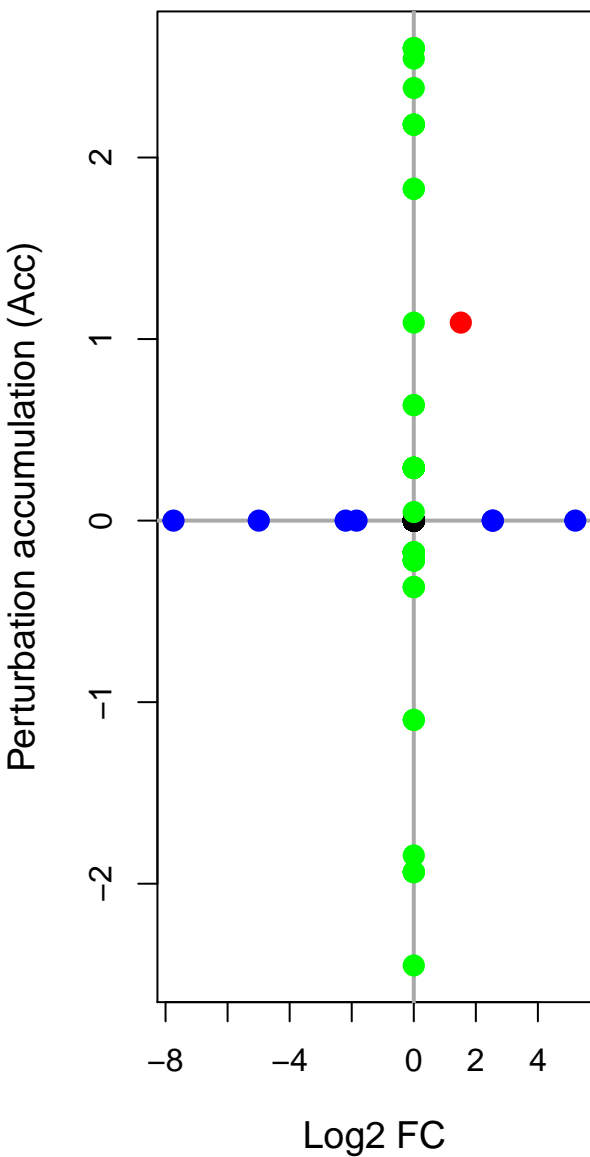
pathway ID=04620



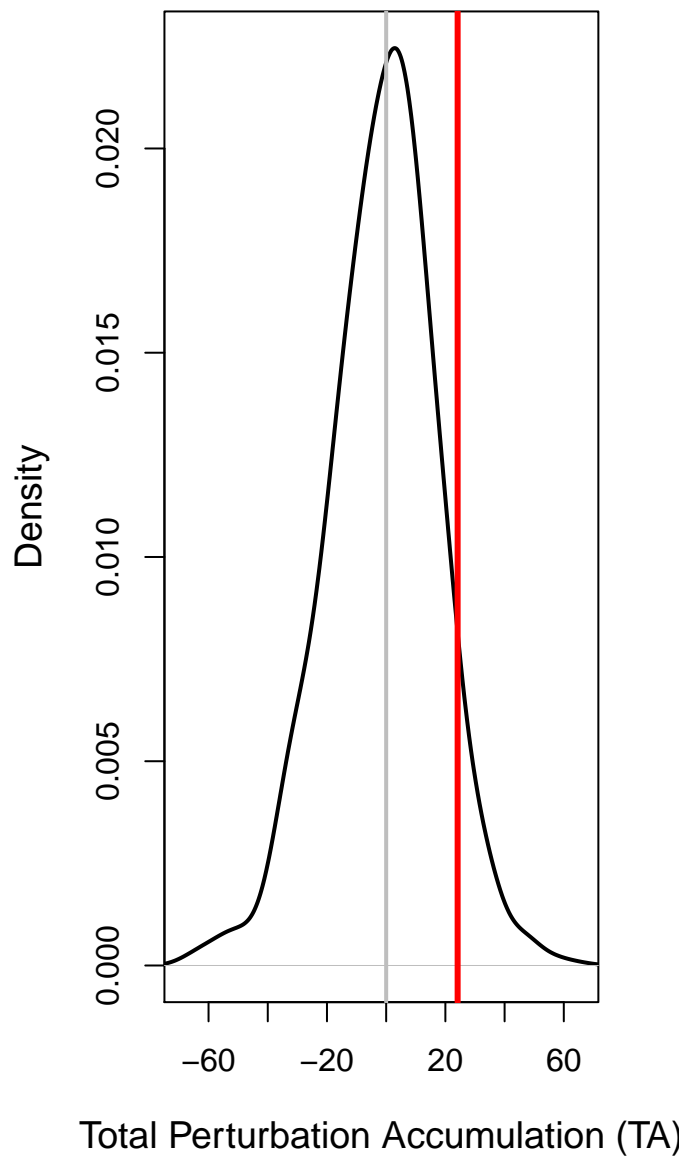
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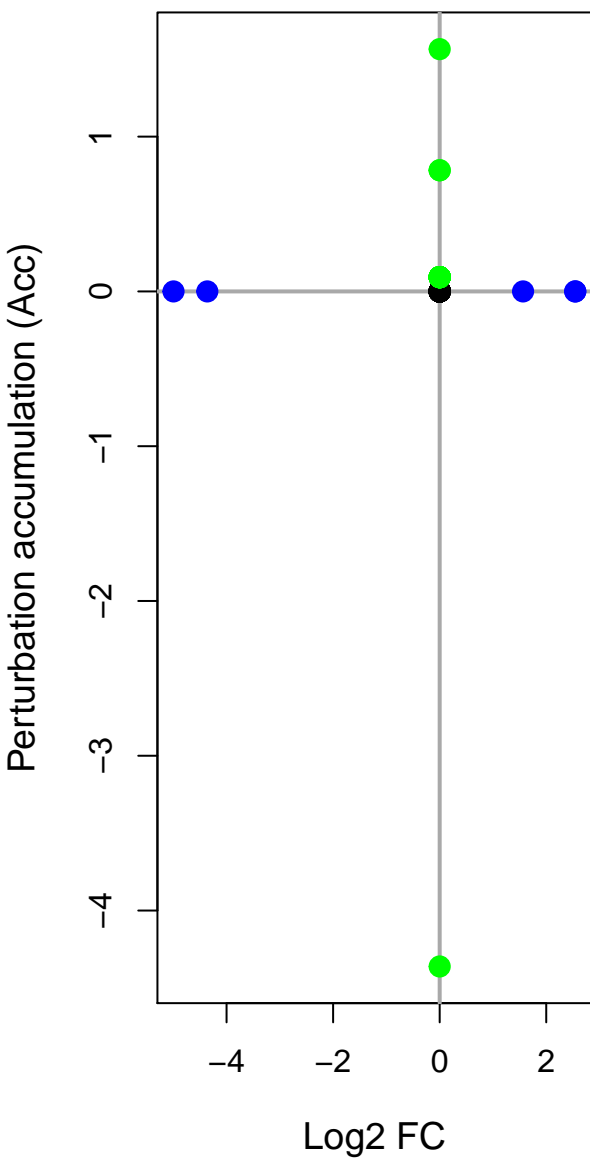
pathway ID=04621



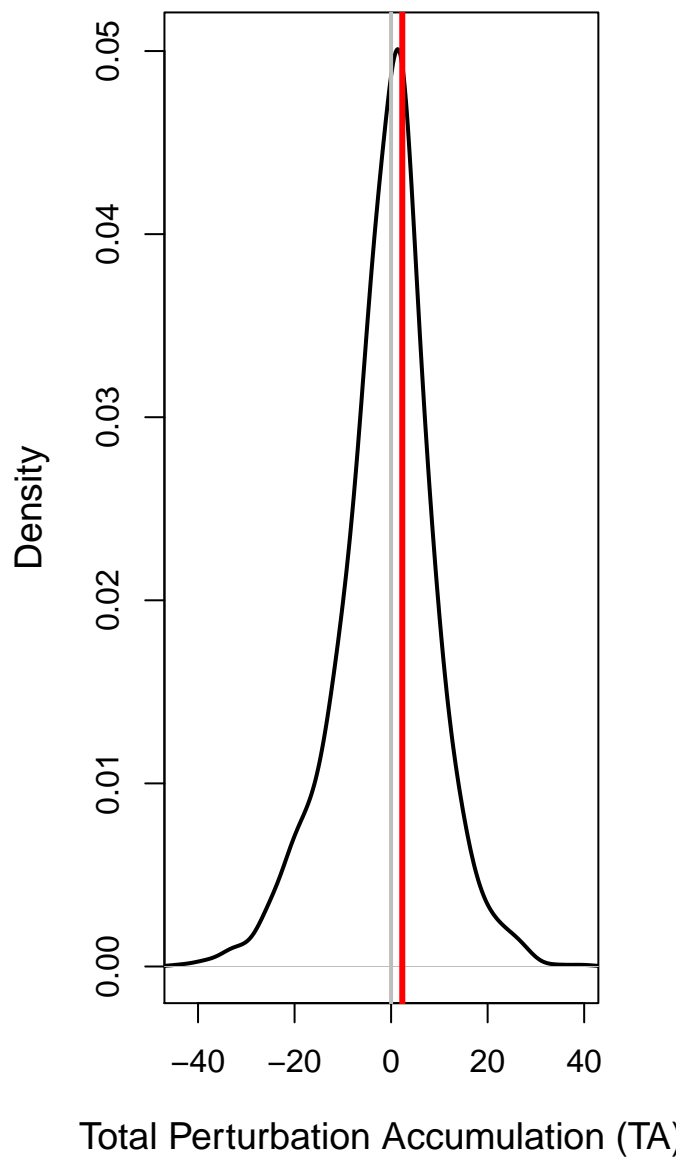
pathway ID=04621 P PERT=0.139



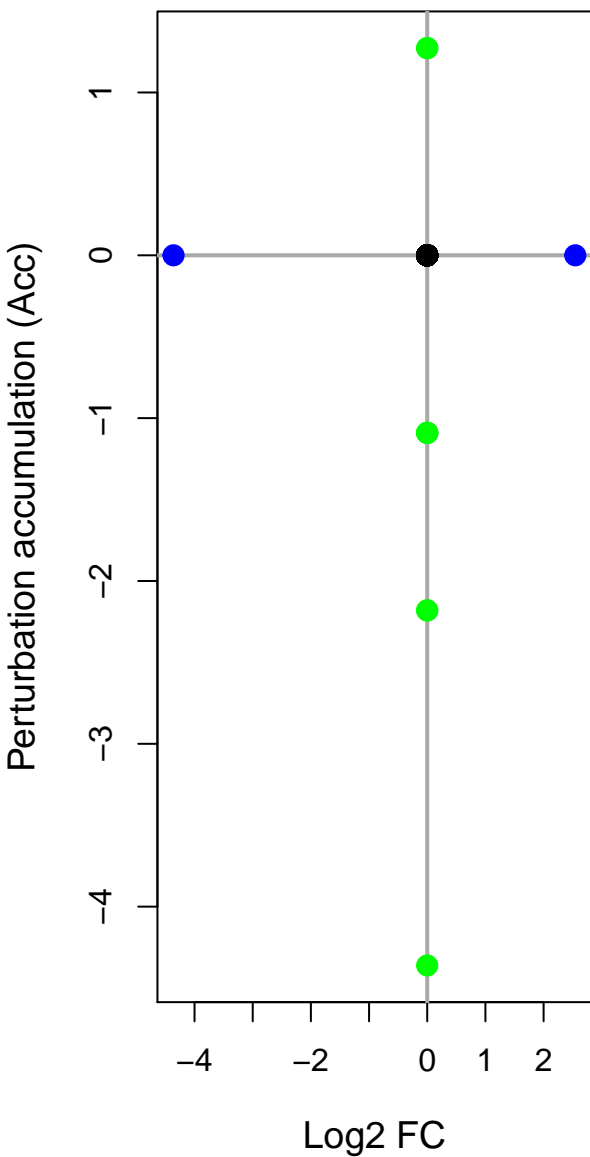
pathway ID=04622



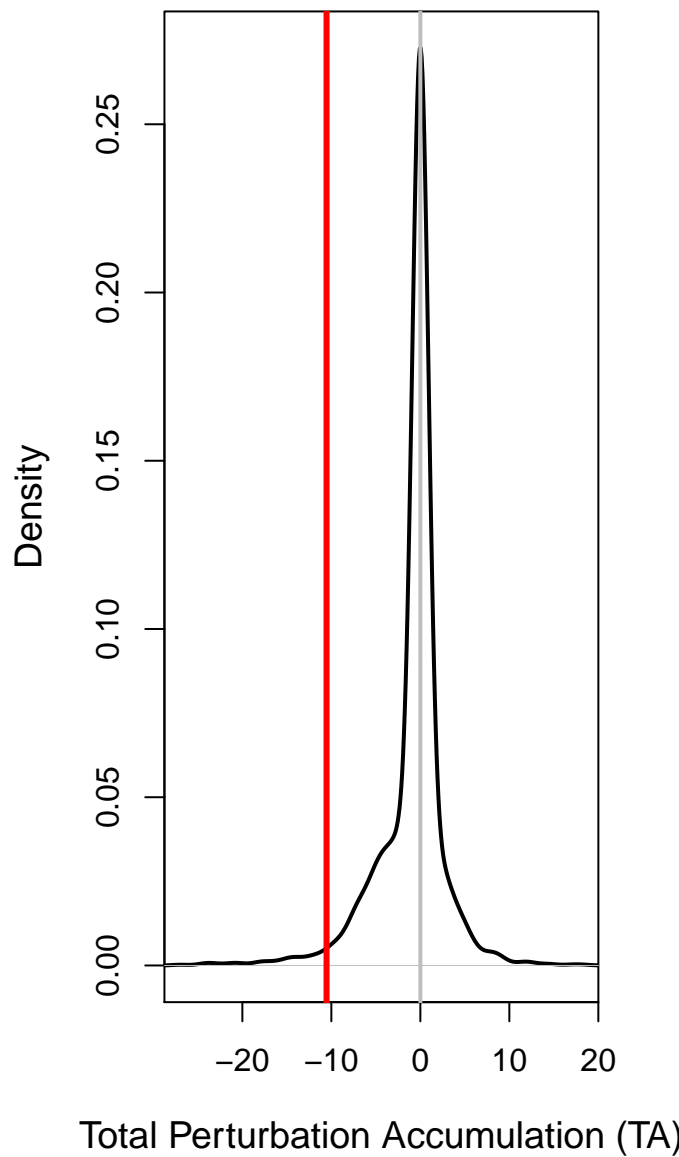
pathway ID=04622 P PERT=0.637



pathway ID=04623

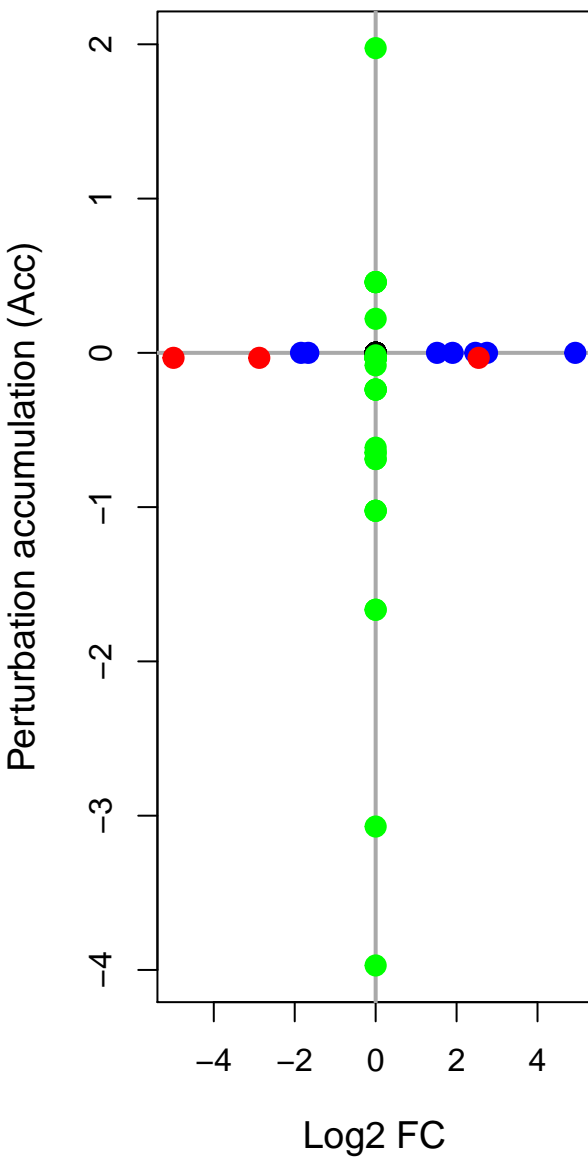


pathway ID=04623 P PERT=0.046

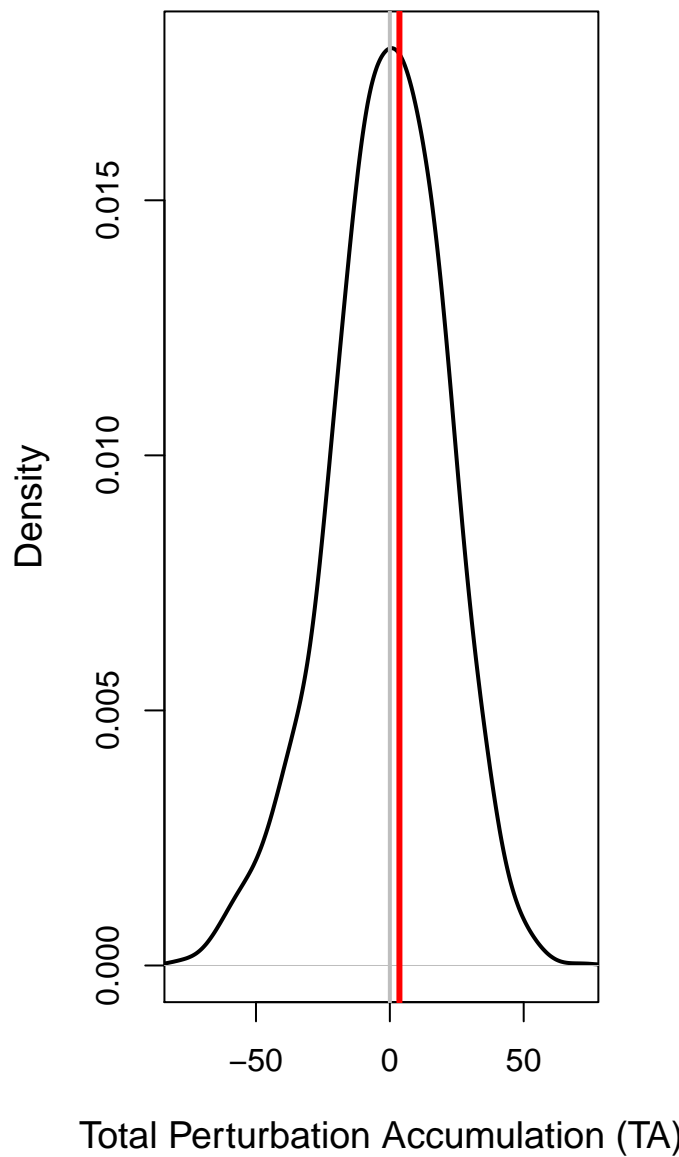




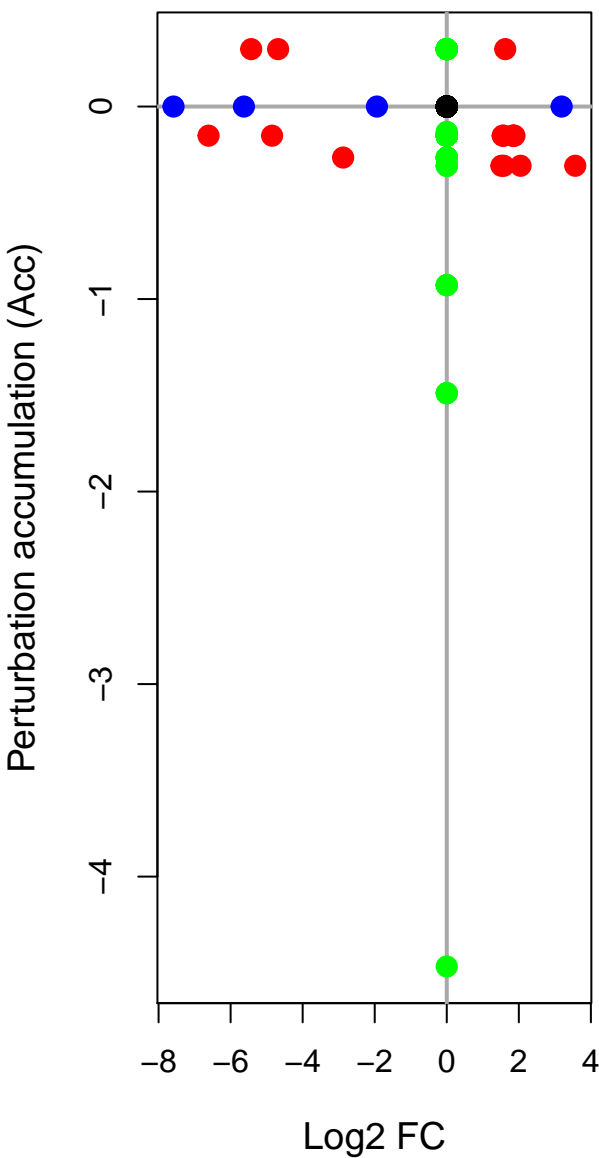
pathway ID=04625



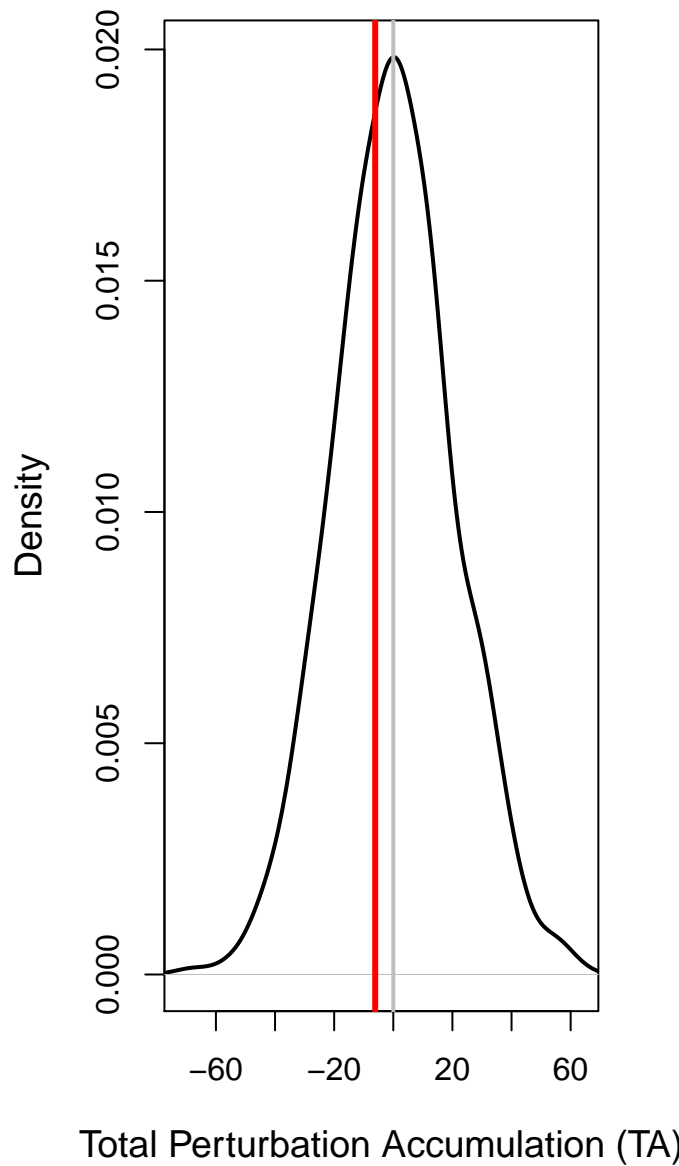
pathway ID=04625 P PERT=0.865



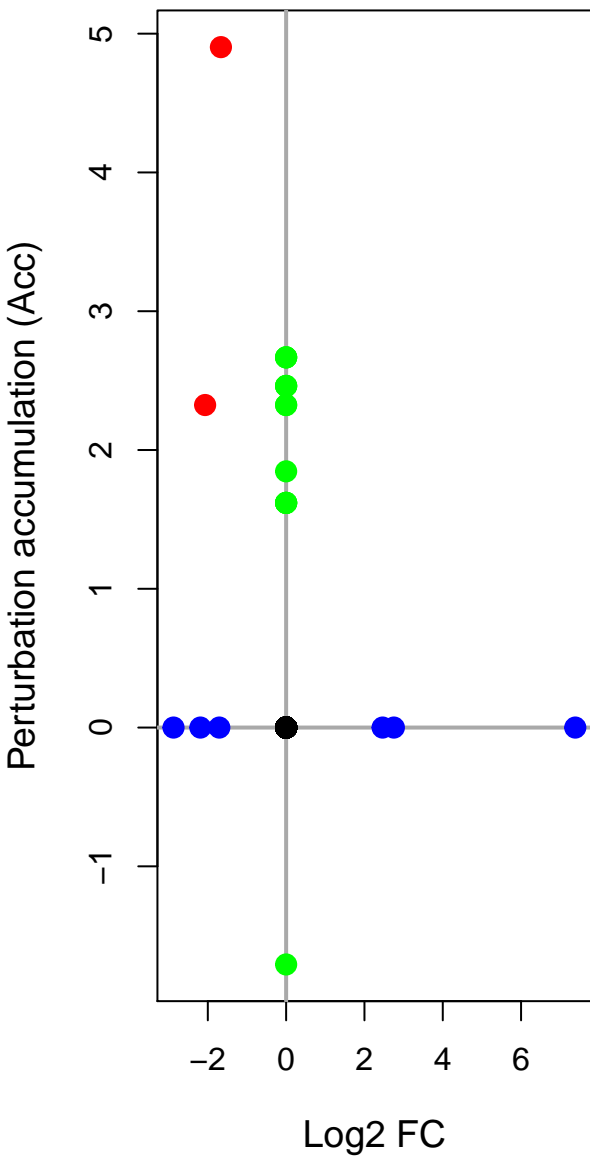
pathway ID=04630



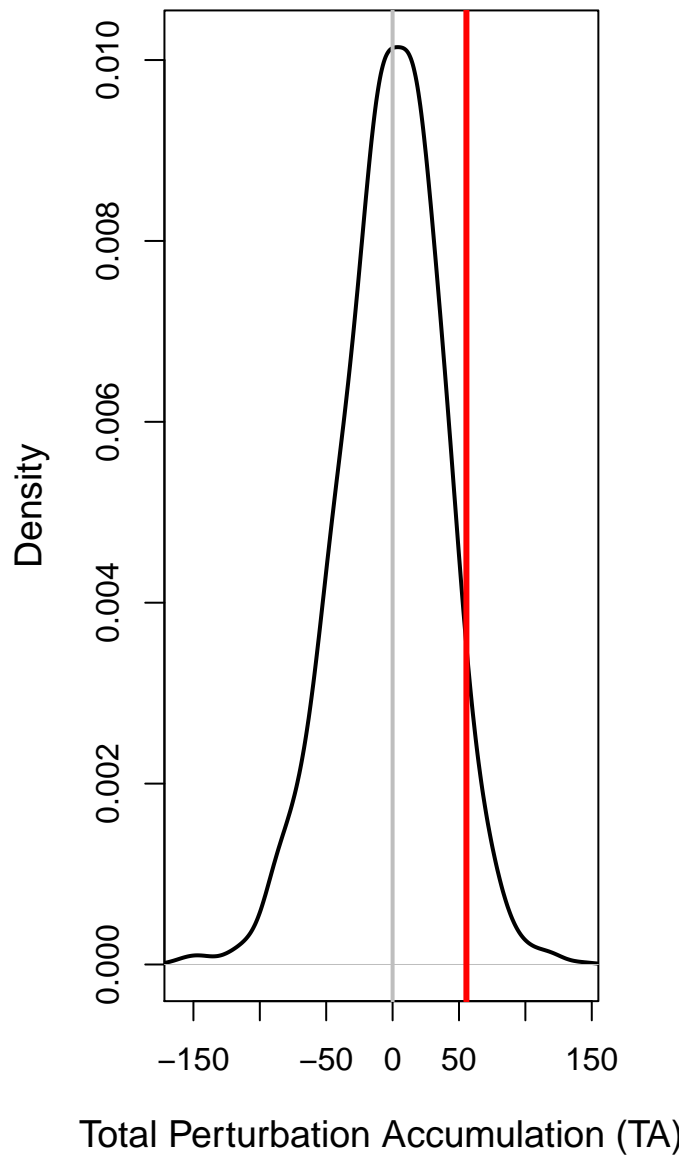
pathway ID=04630 P PERT=0.75



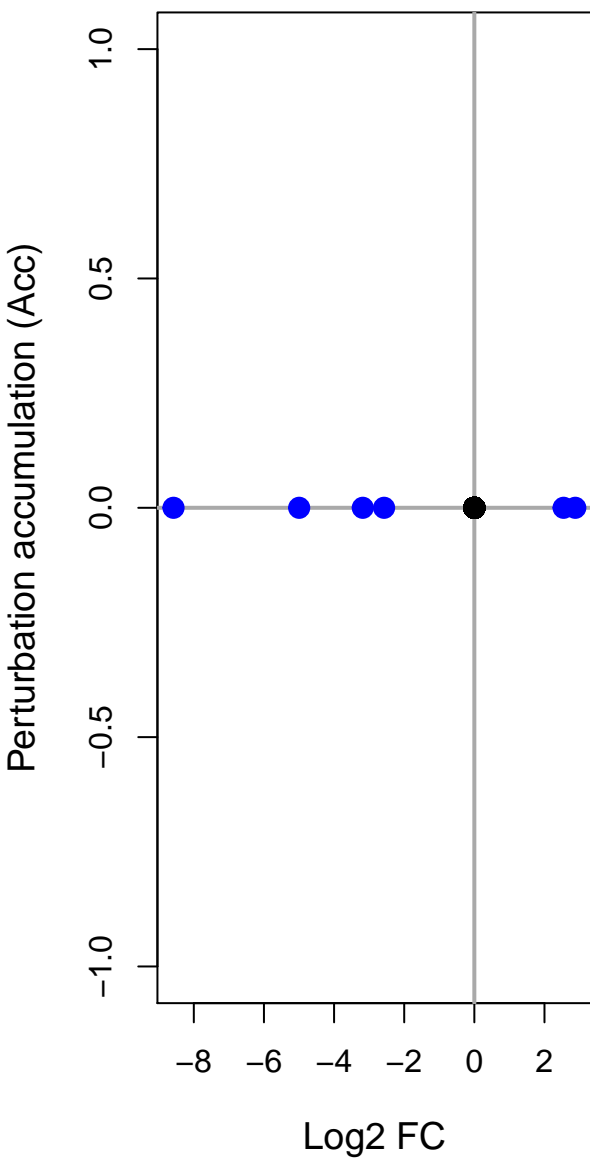
pathway ID=04650



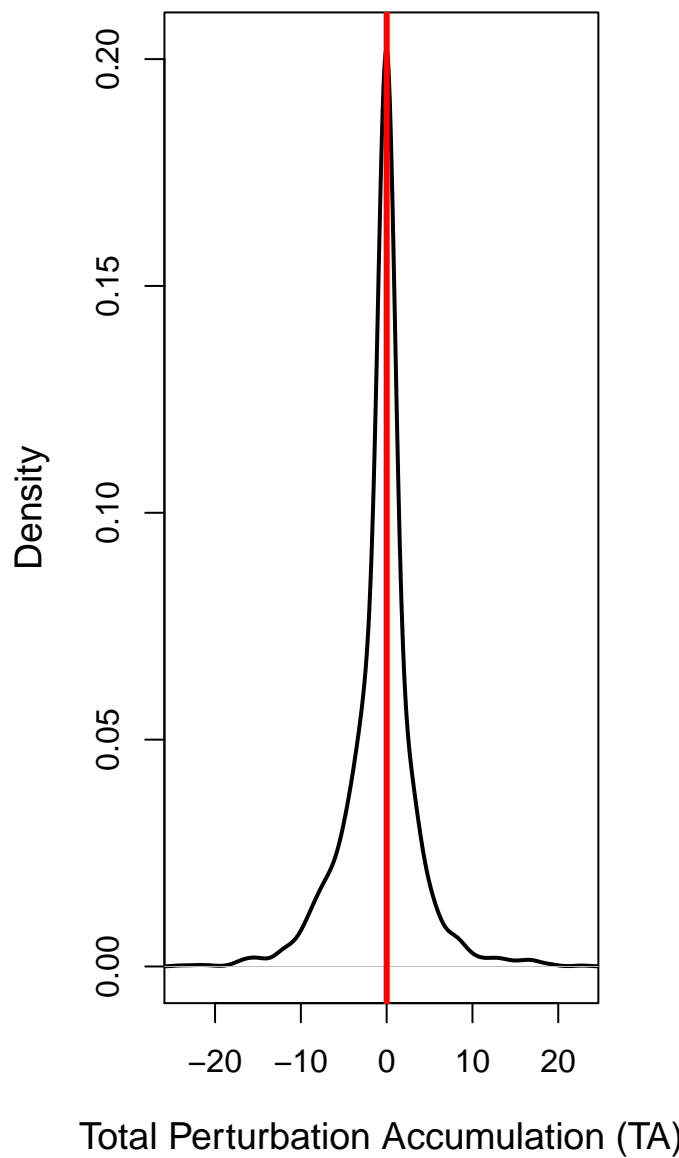
pathway ID=04650 P PERT=0.117



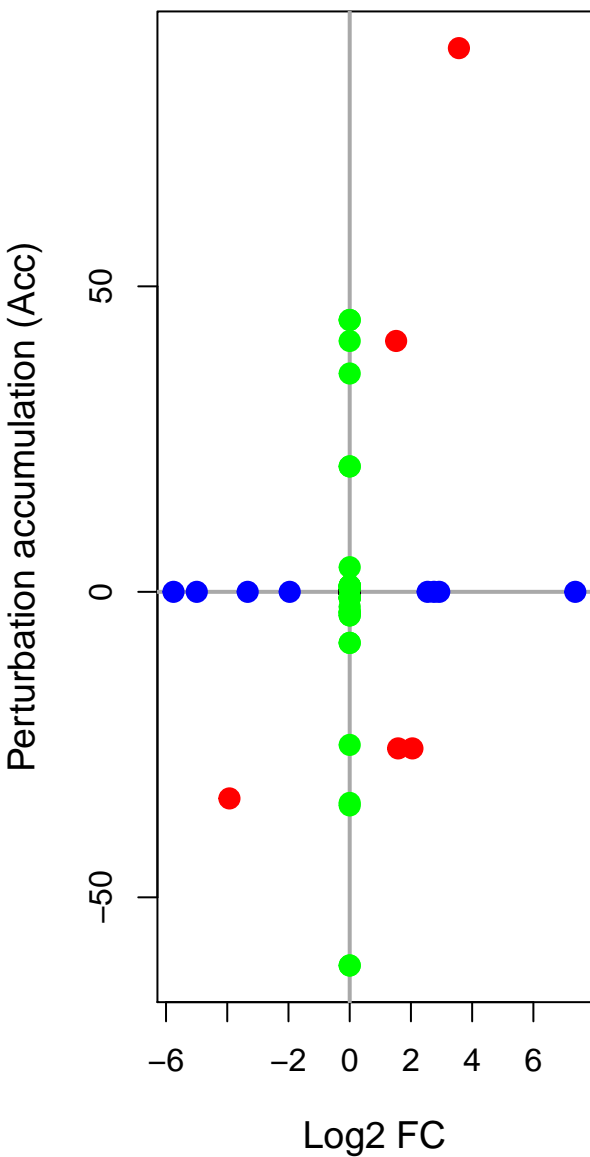
pathway ID=04657



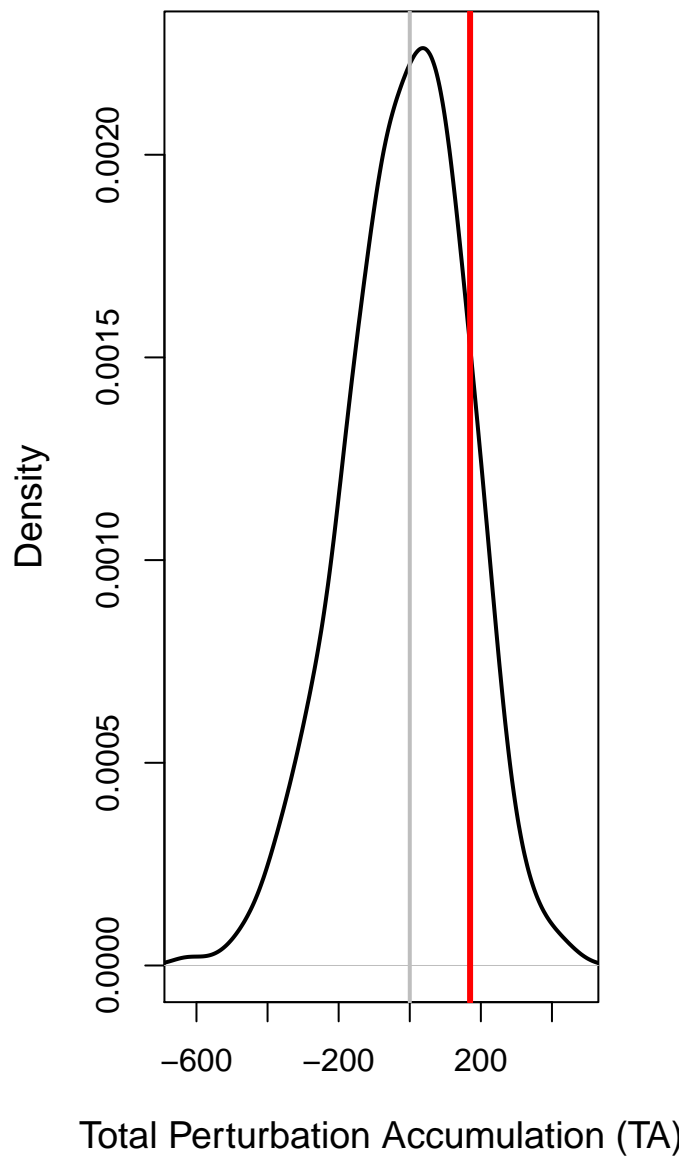
pathway ID=04657 P PERT=1



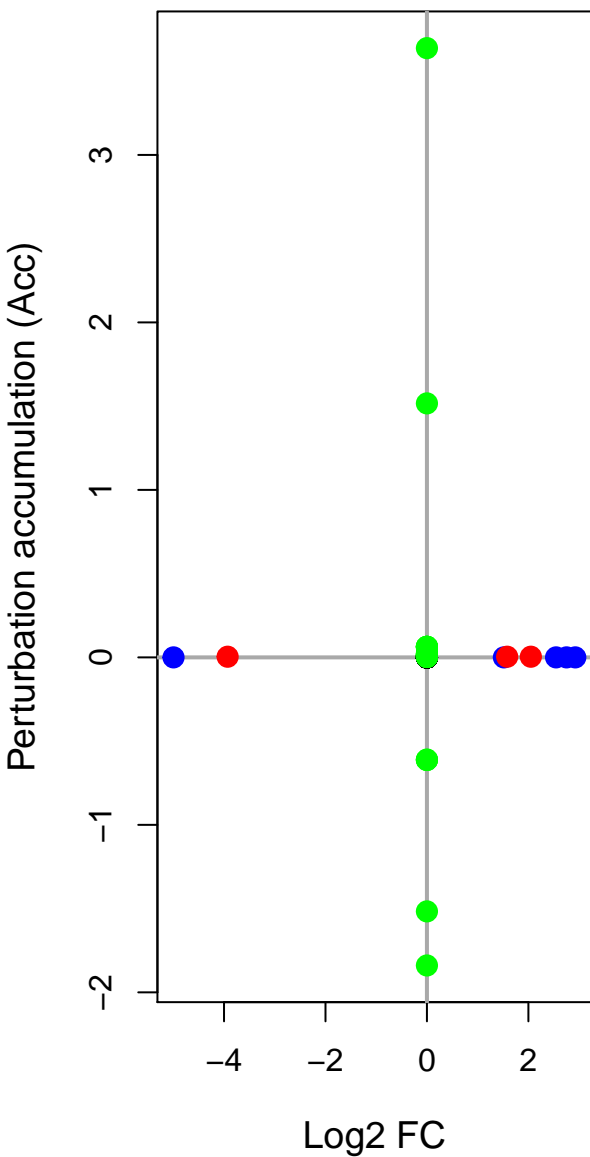
pathway ID=04658



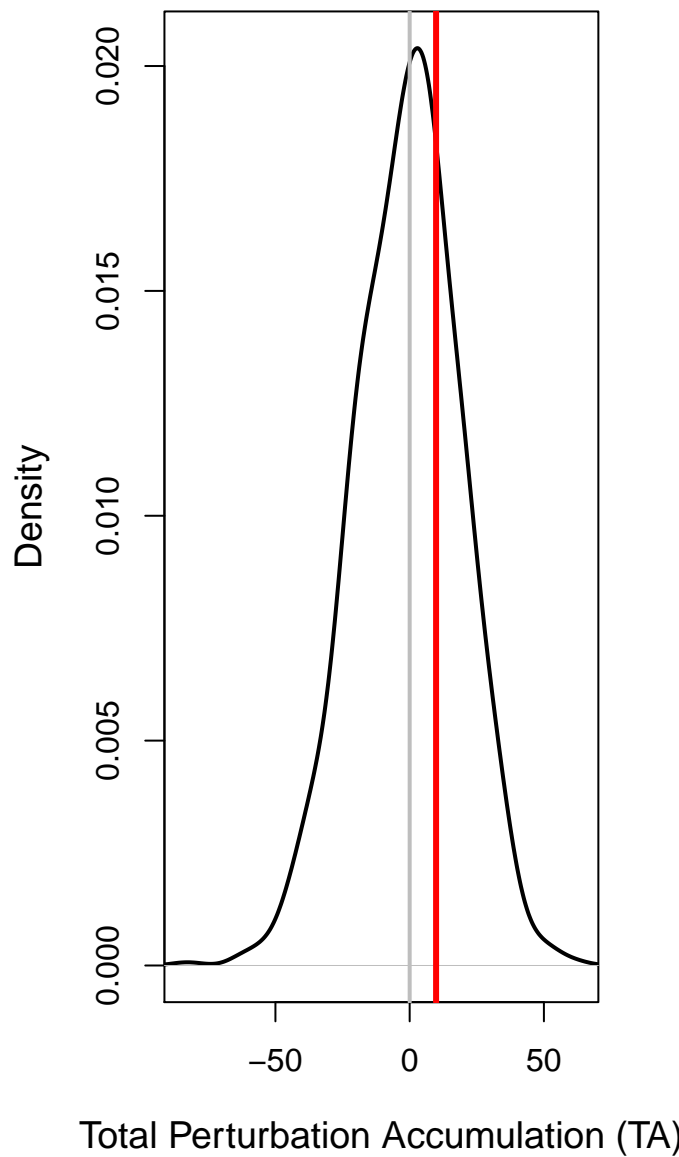
pathway ID=04658 P PERT=0.283



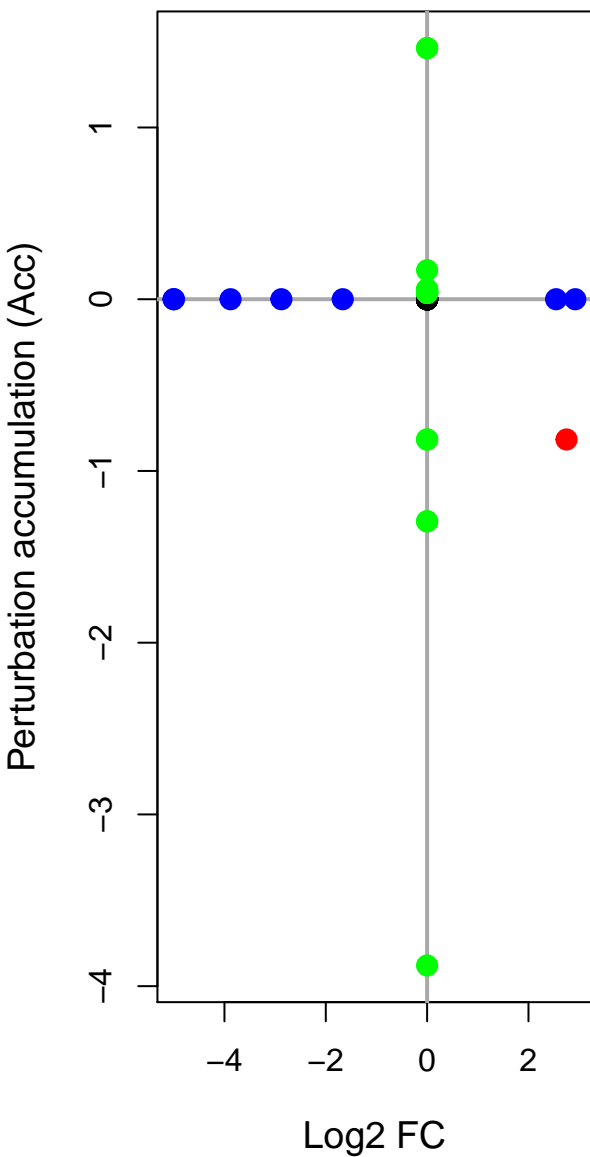
pathway ID=04659



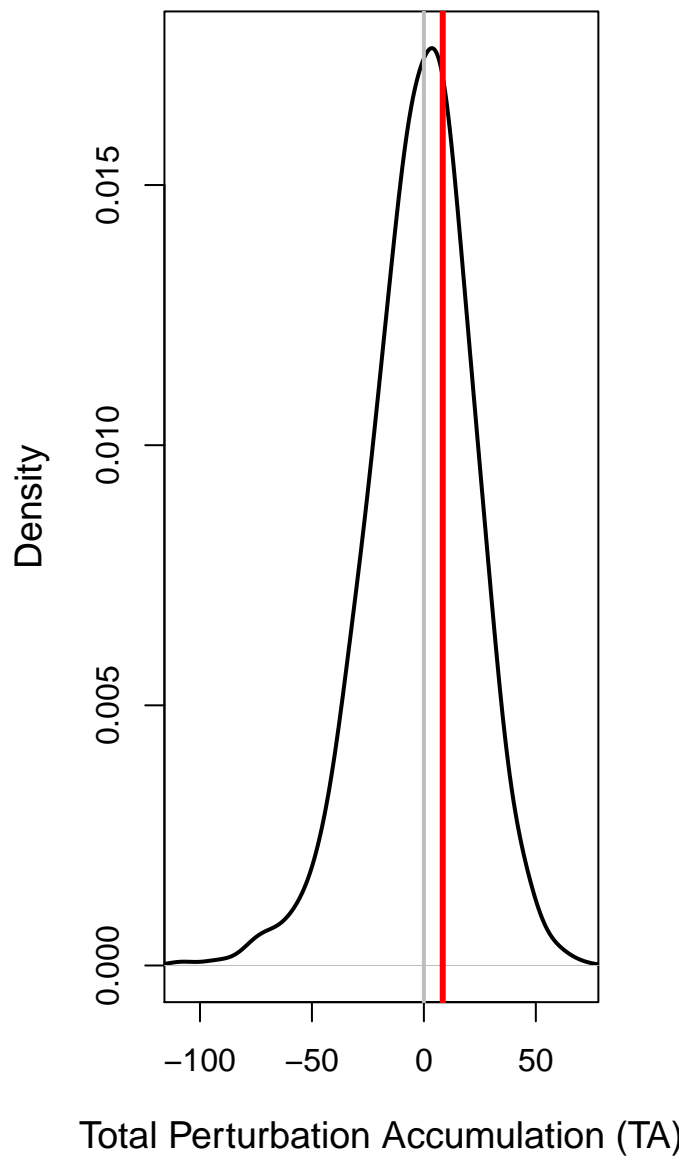
pathway ID=04659 P PERT=0.594



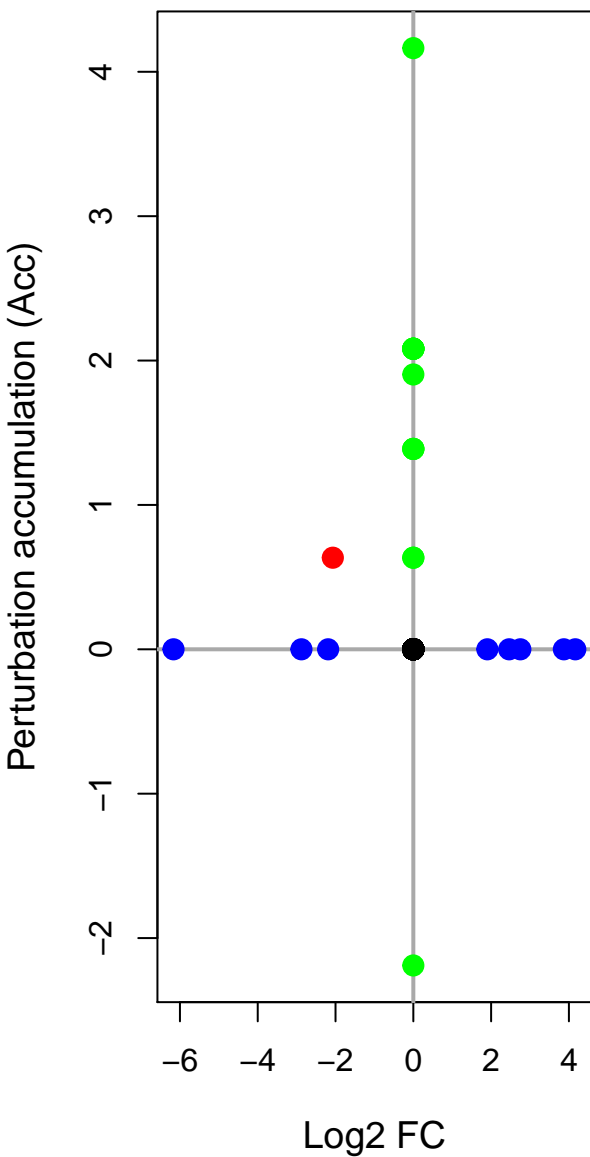
pathway ID=04660



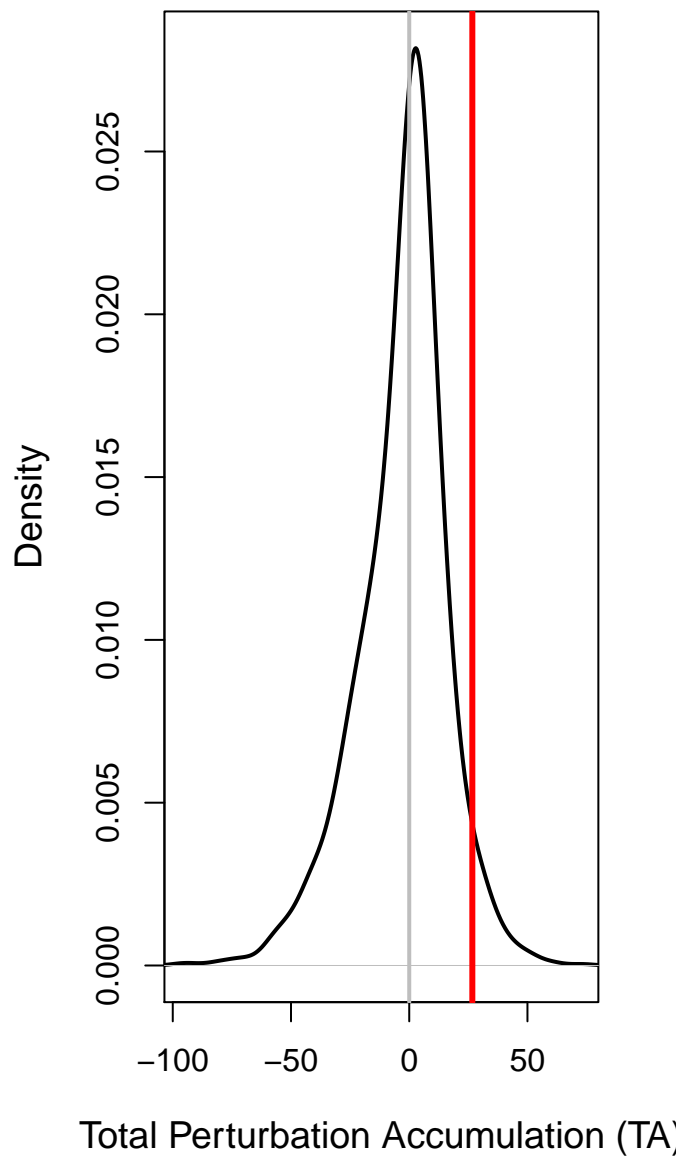
pathway ID=04660 P PERT=0.687



pathway ID=04662

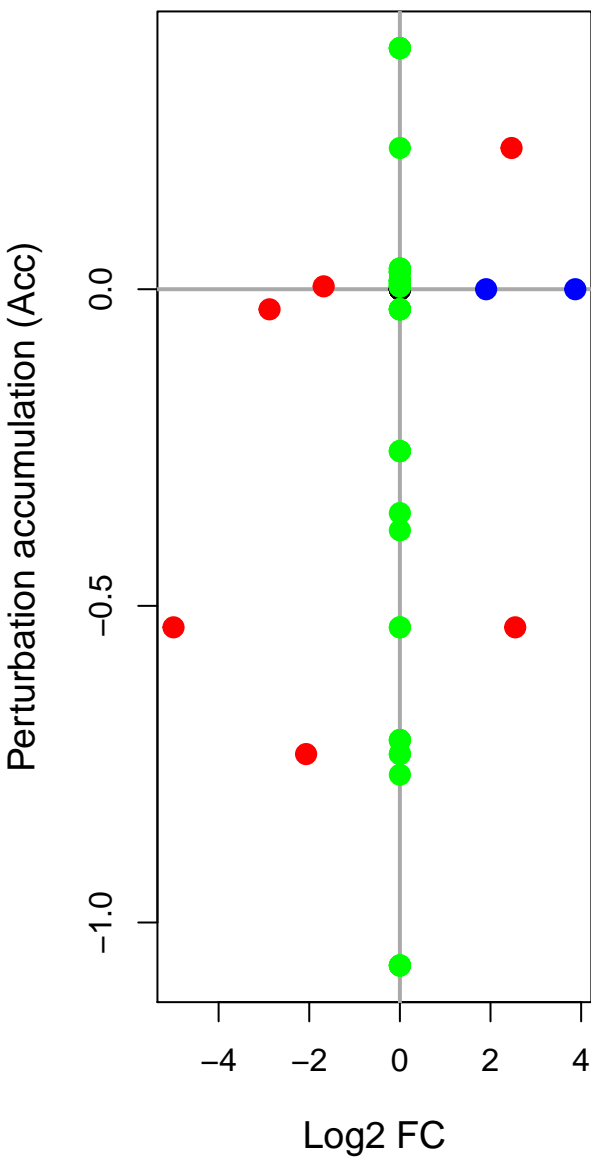


pathway ID=04662 P PERT=0.084

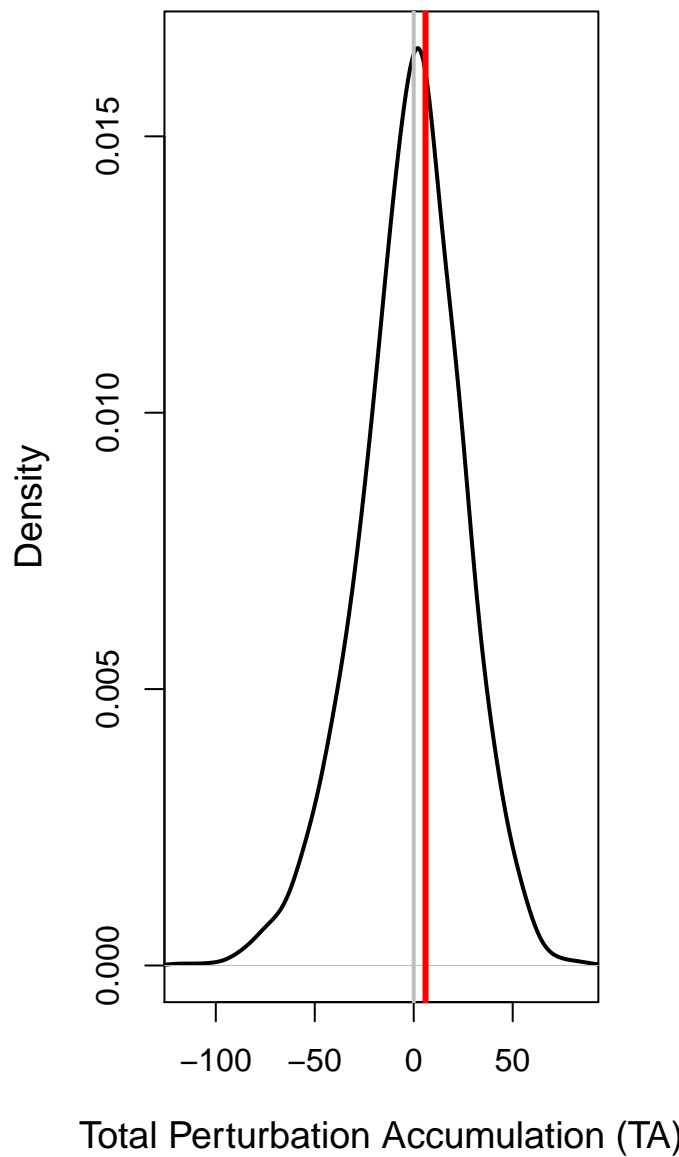




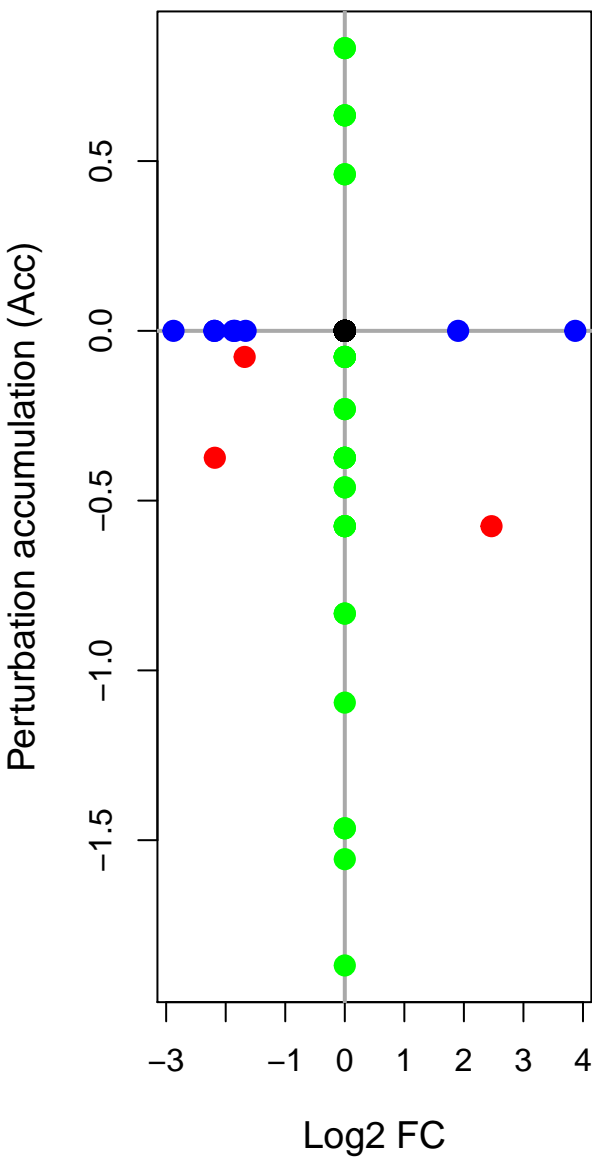
pathway ID=04664



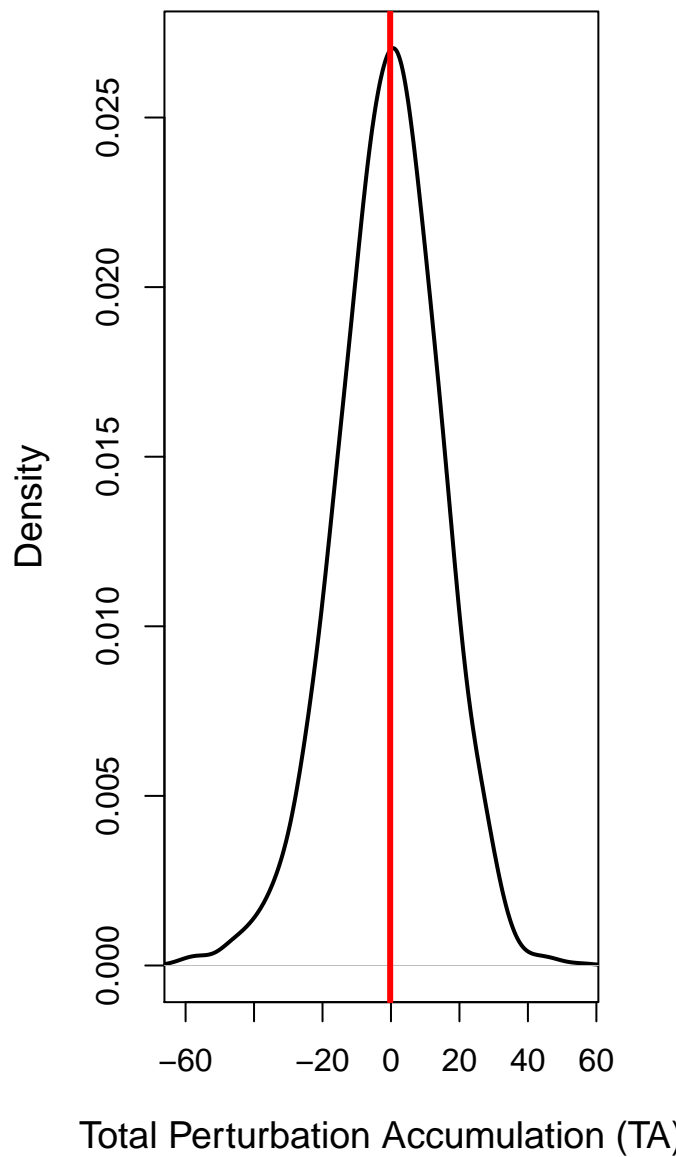
pathway ID=04664 P PERT=0.78



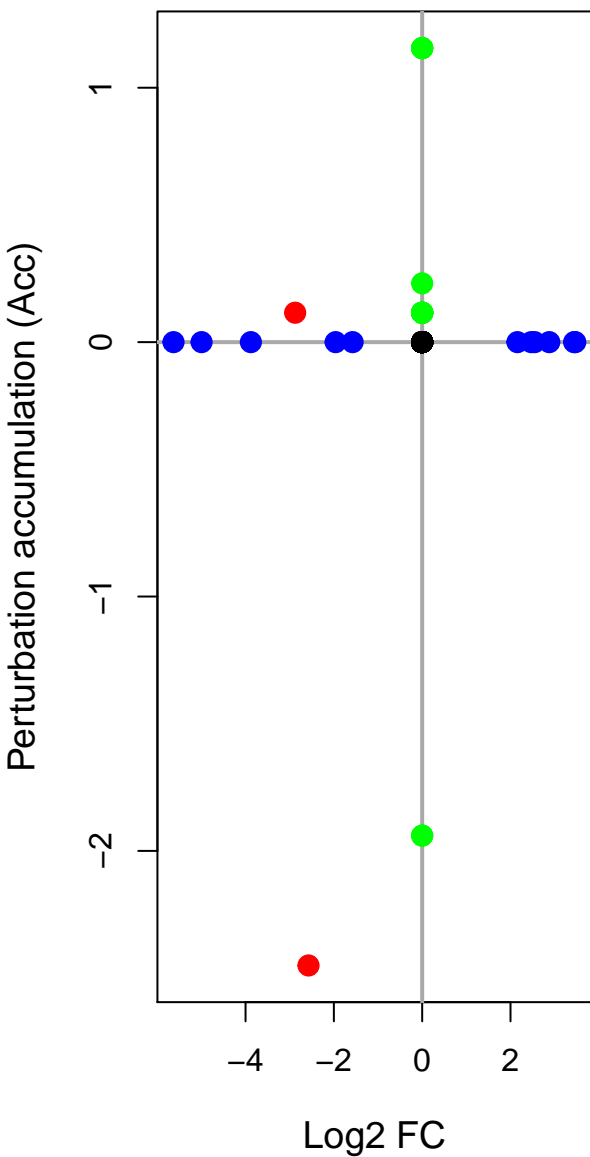
pathway ID=04666



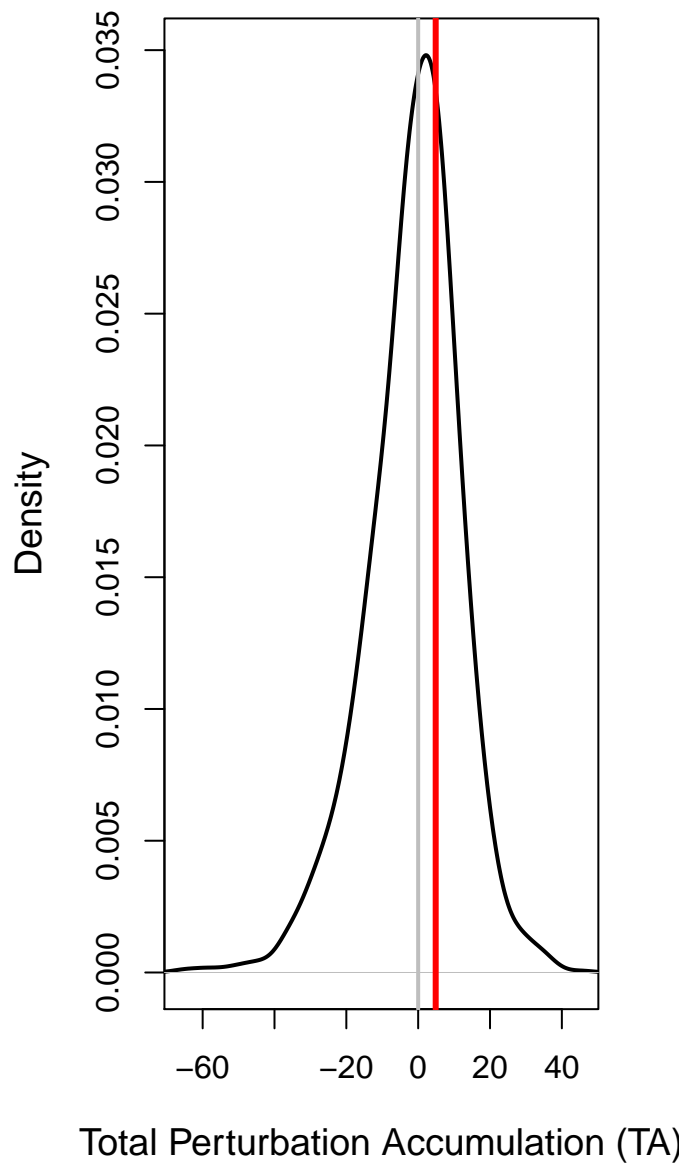
pathway ID=04666 P PERT=0.989



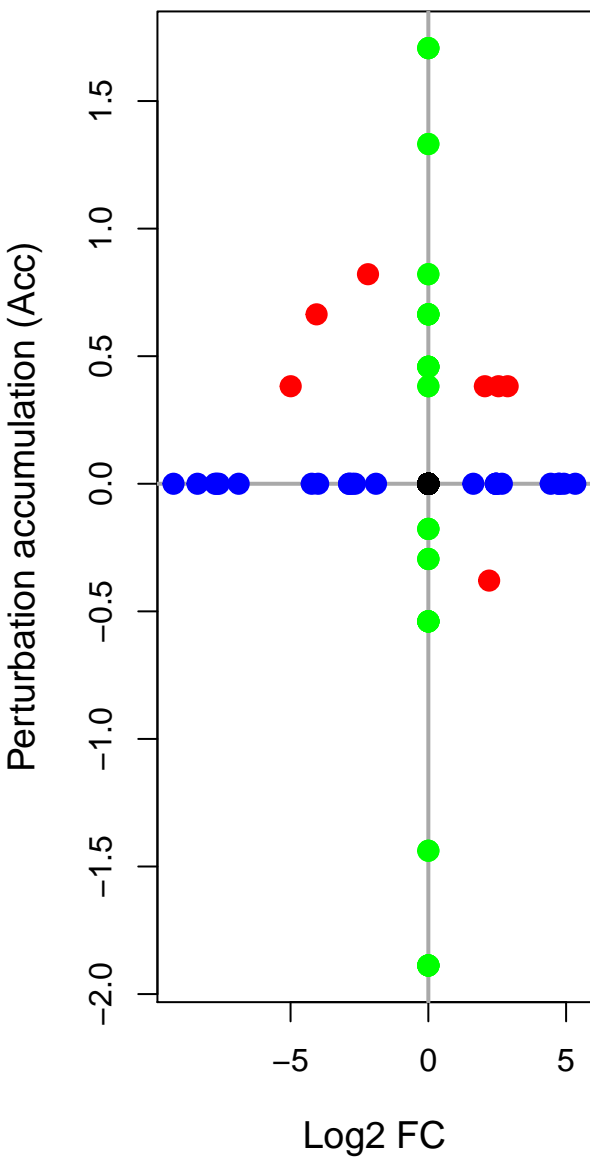
pathway ID=04668



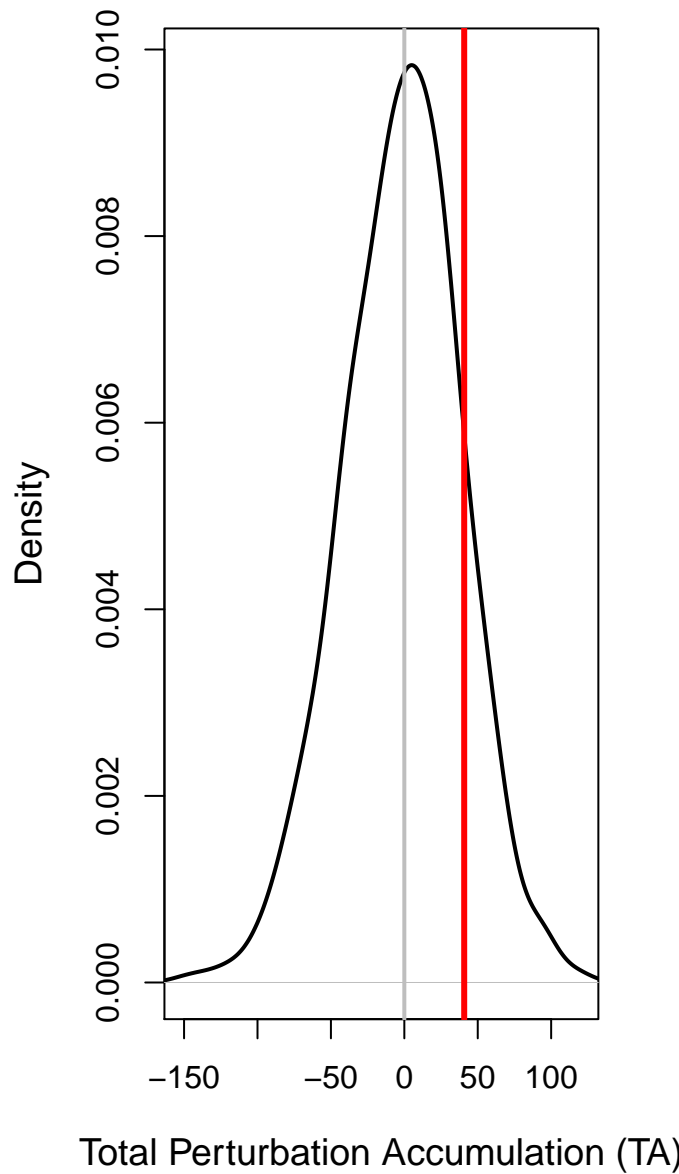
pathway ID=04668 P PERT=0.666



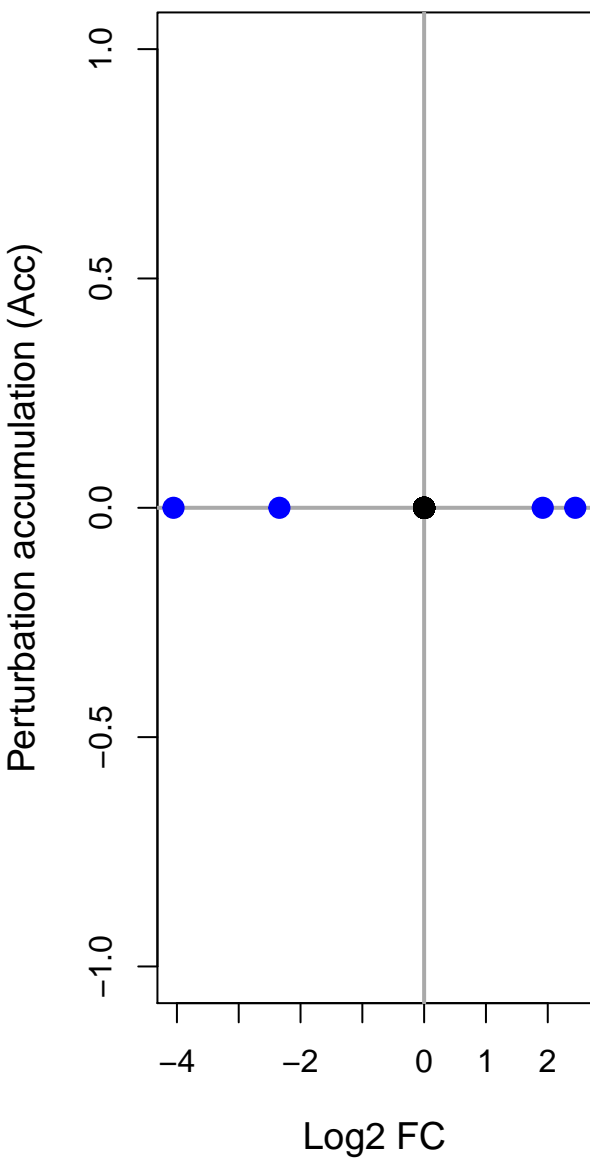
pathway ID=04670



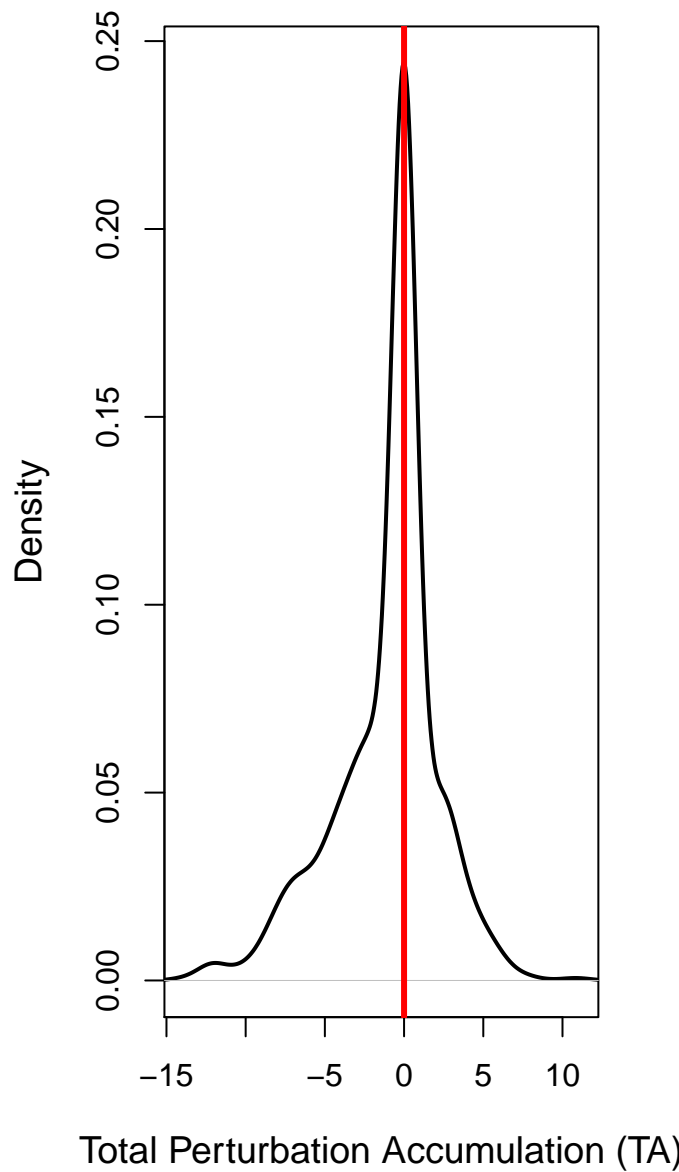
pathway ID=04670 P PERT=0.28



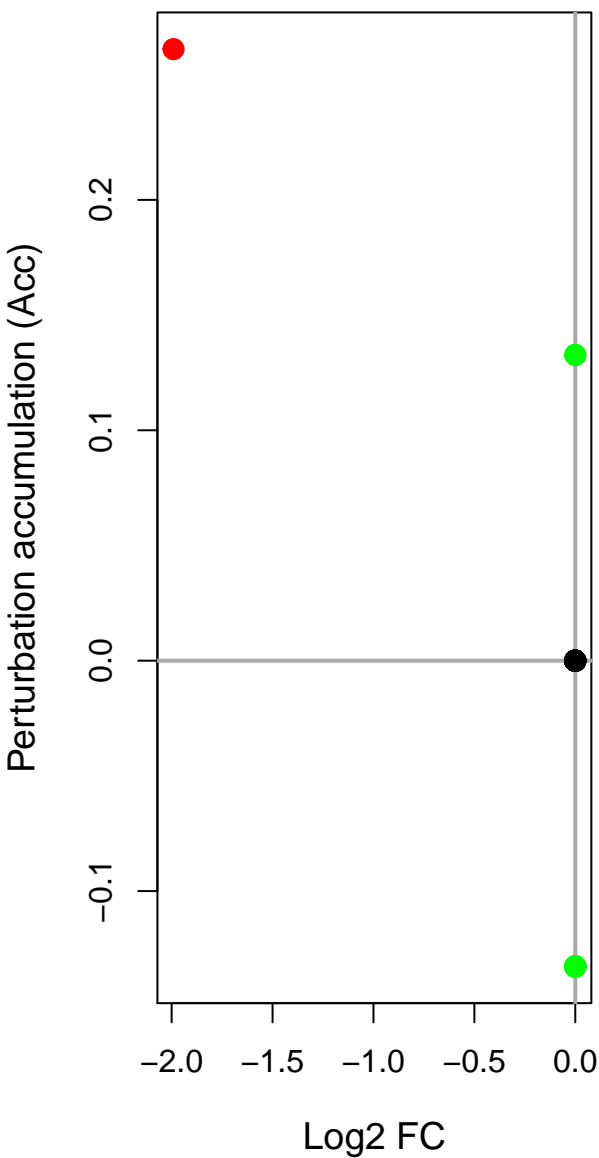
pathway ID=04672



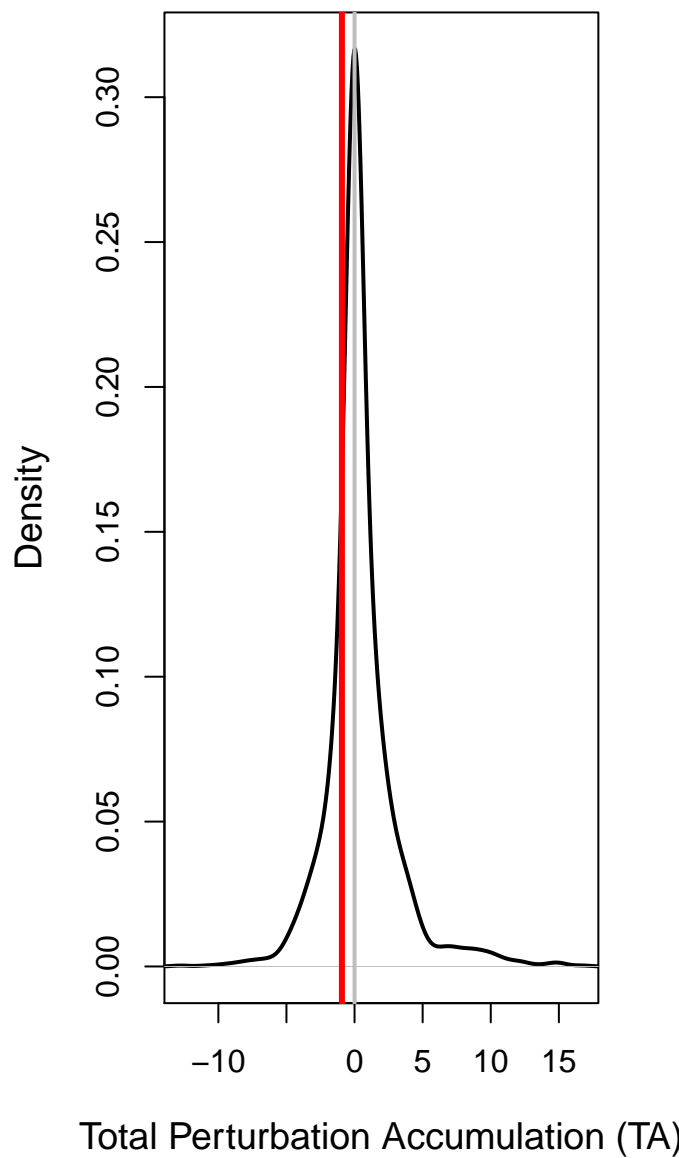
pathway ID=04672 P PERT=1



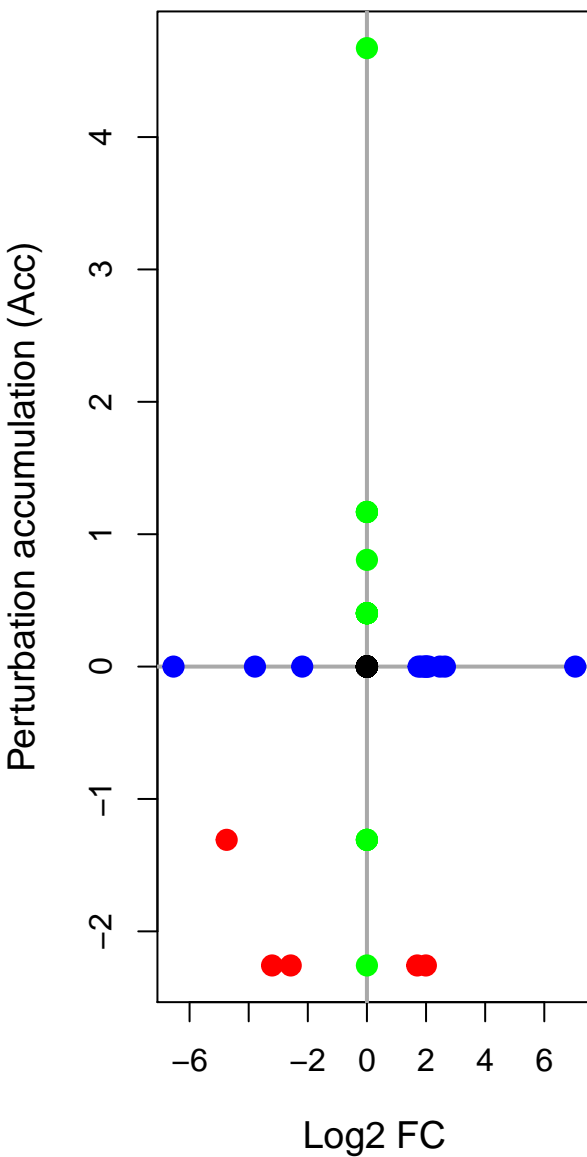
pathway ID=04710



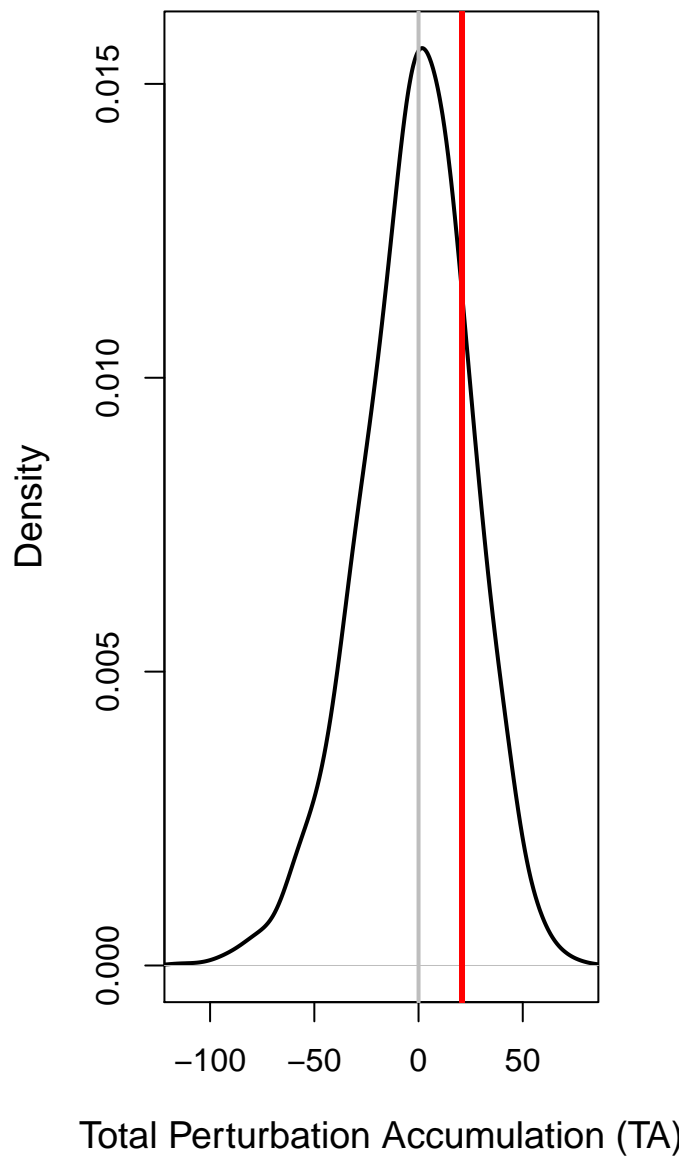
pathway ID=04710 P PERT=0.383



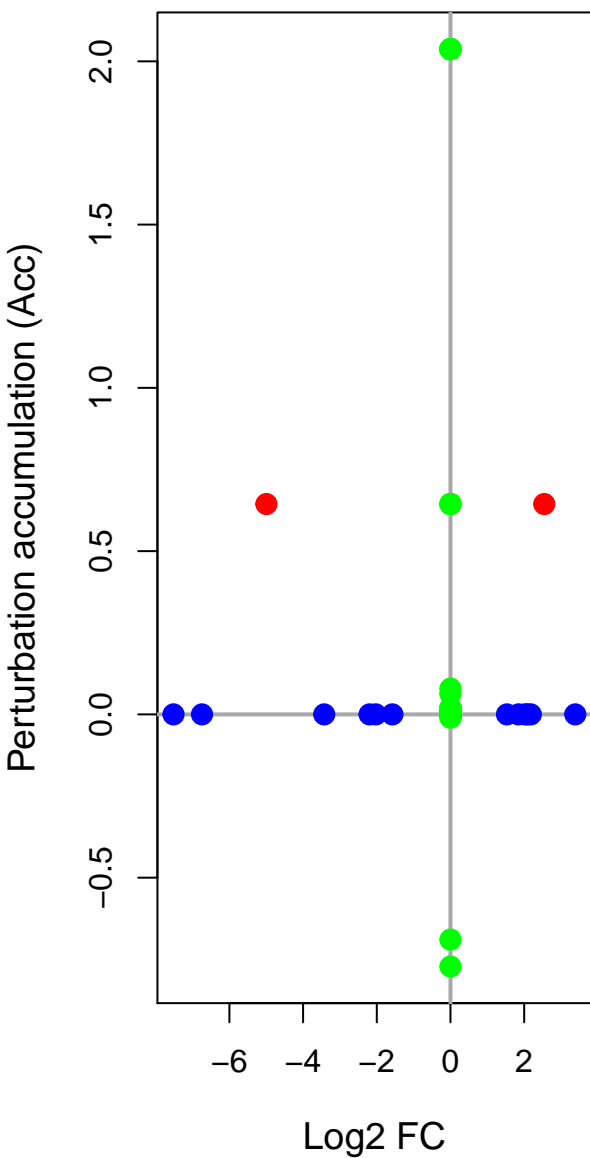
pathway ID=04713



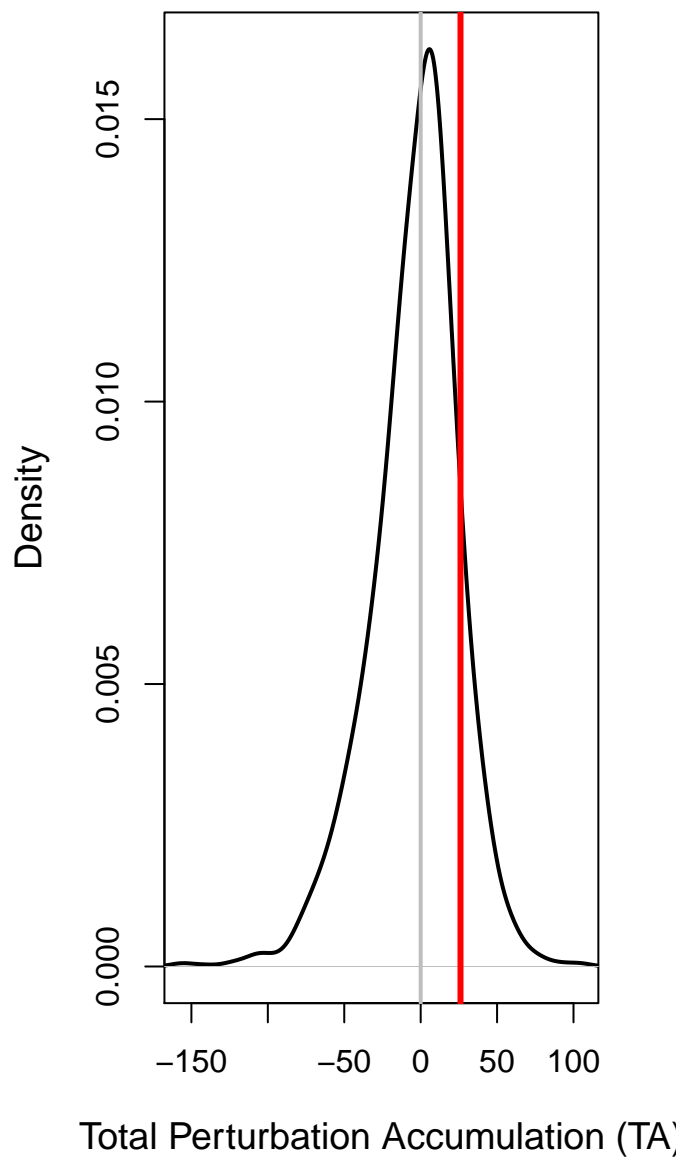
pathway ID=04713 P PERT=0.383



pathway ID=04714

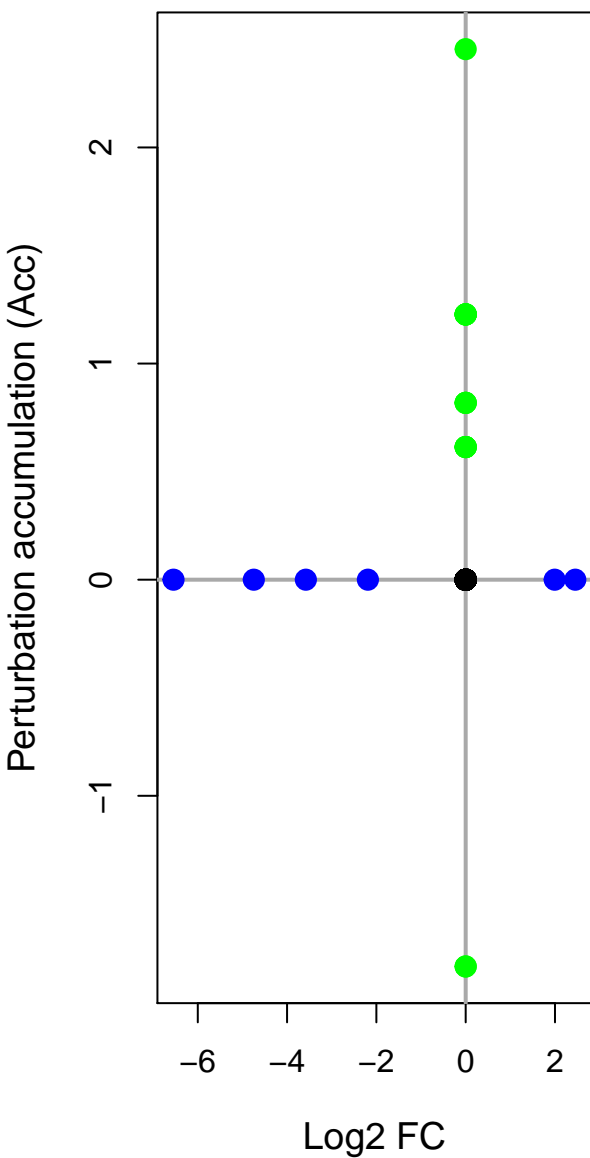


pathway ID=04714 P PERT=0.239

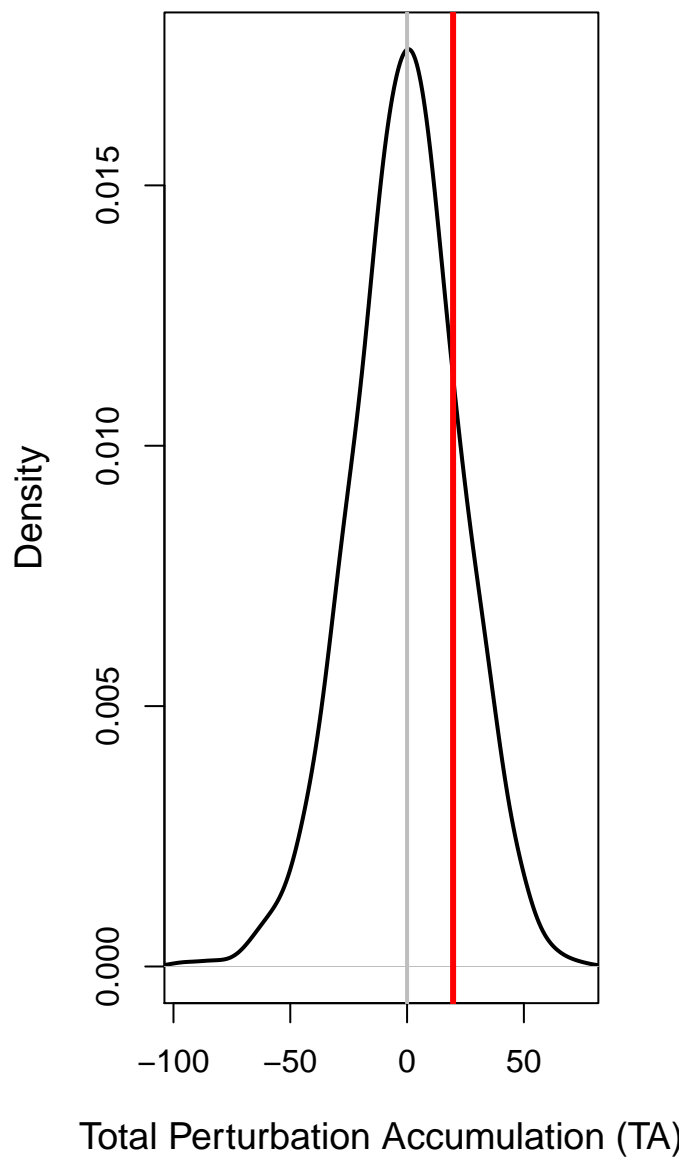




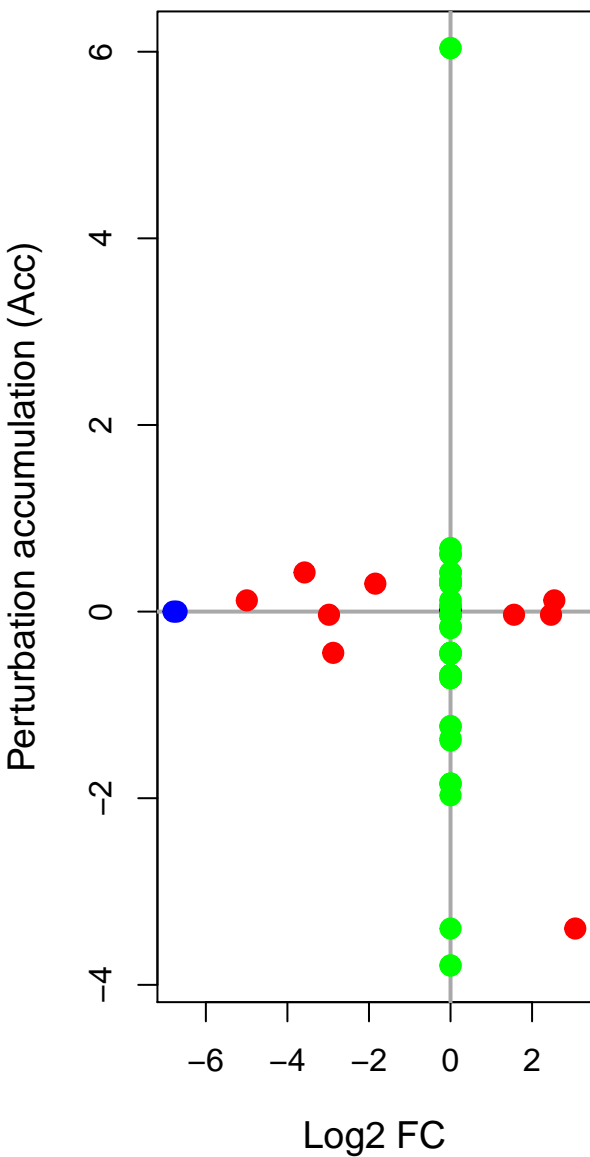
pathway ID=04720



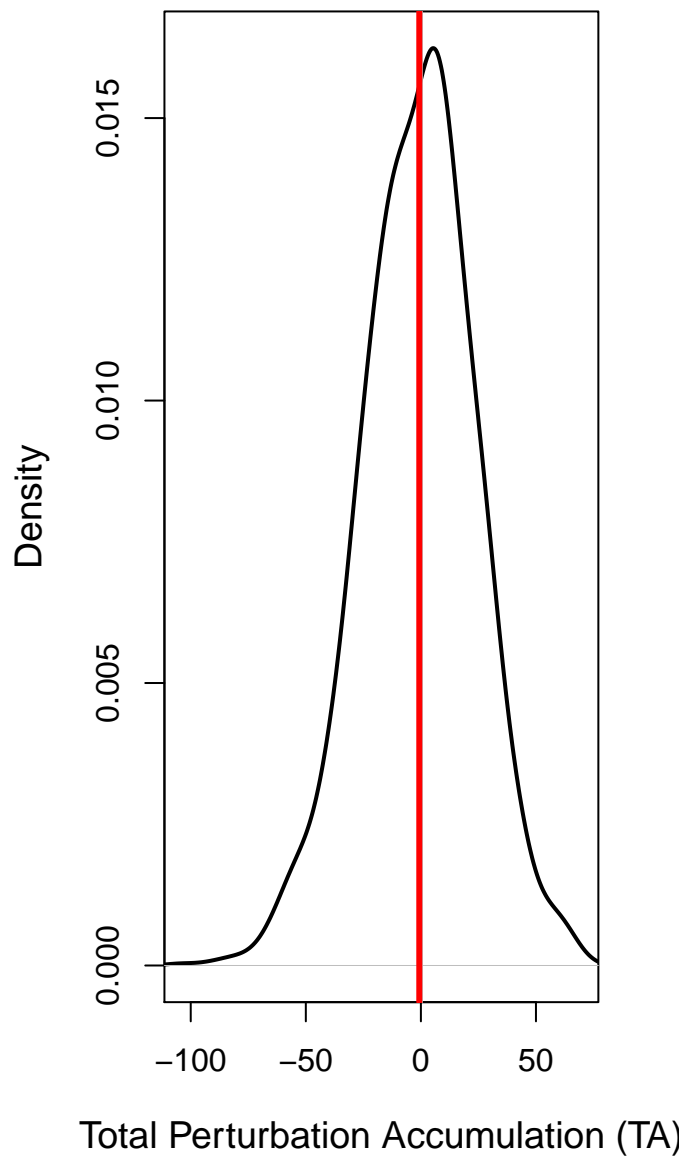
pathway ID=04720 P PERT=0.386



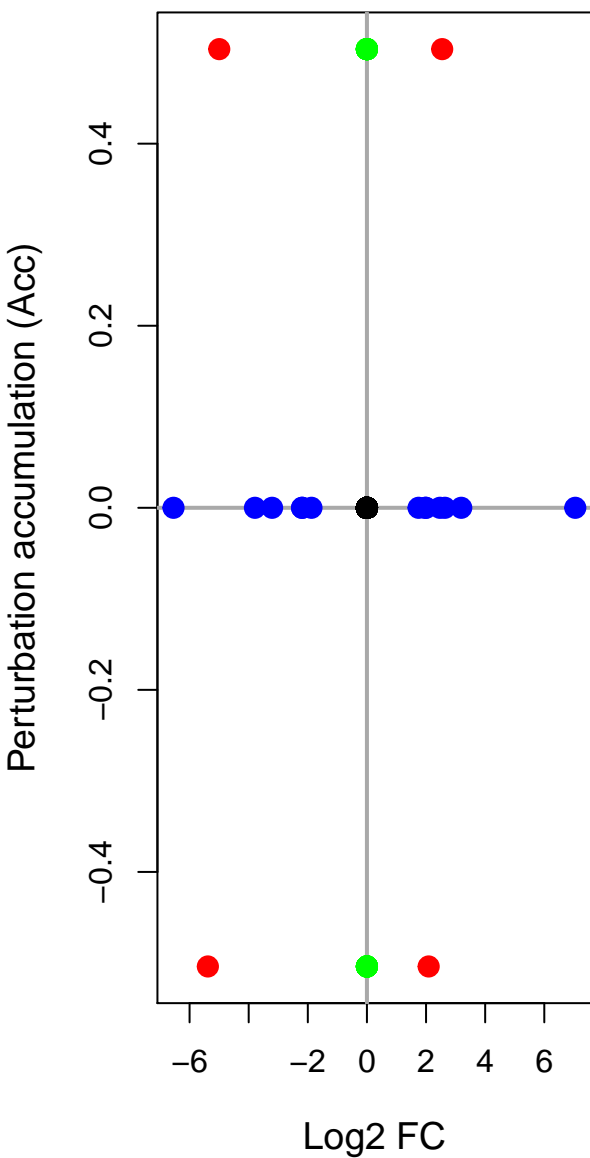
pathway ID=04722



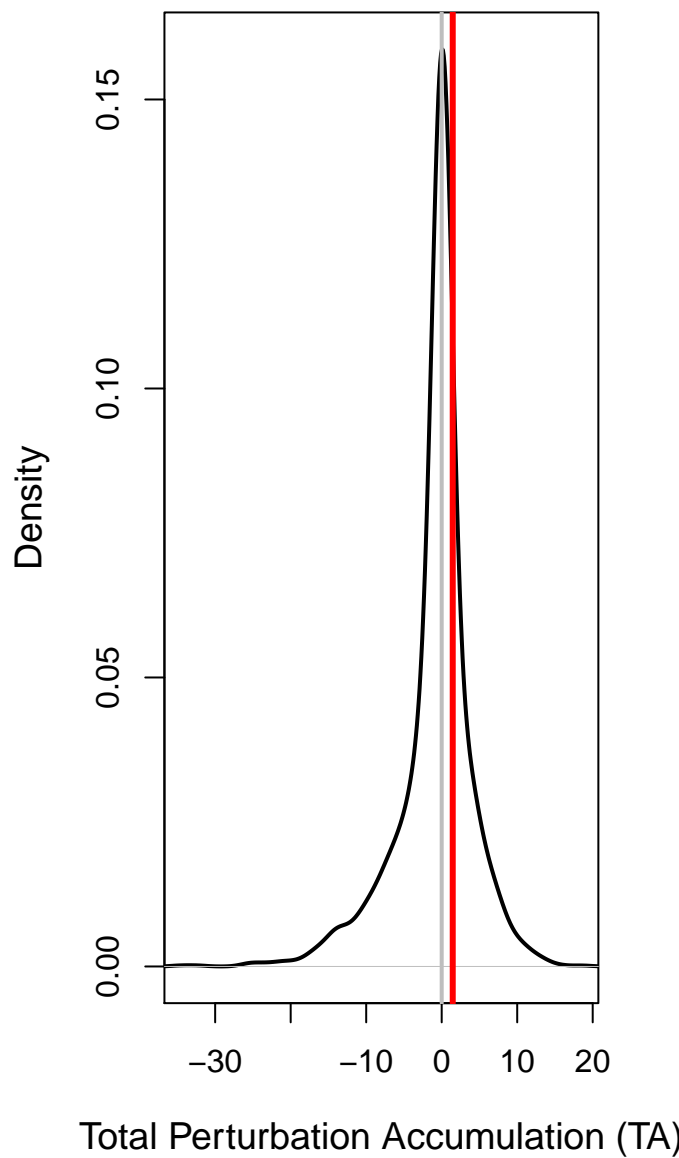
pathway ID=04722 P PERT=0.98



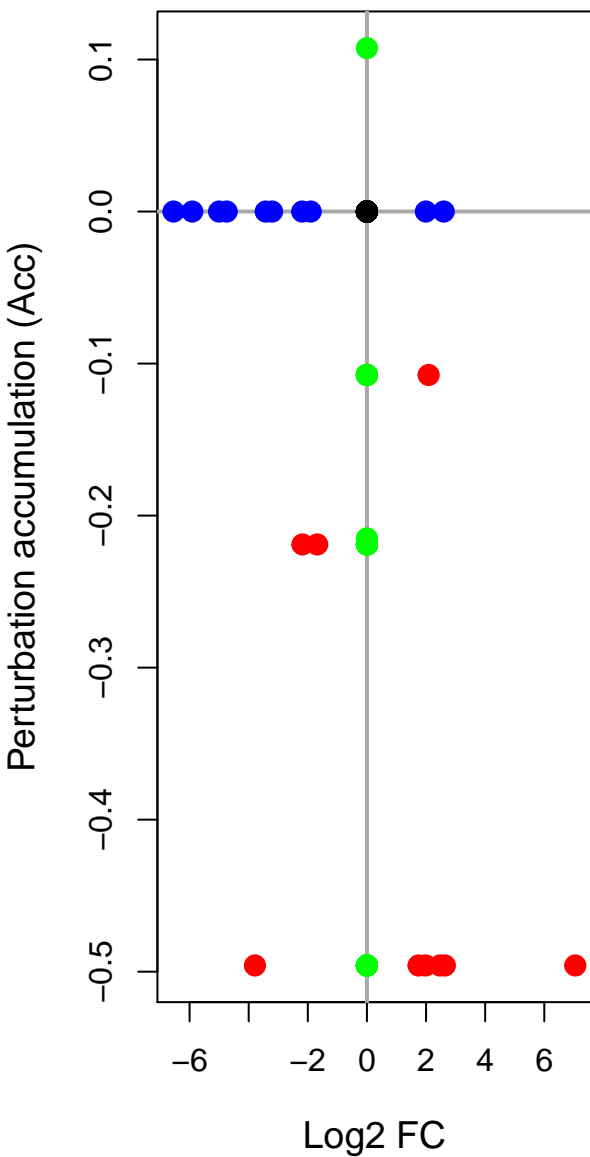
pathway ID=04723



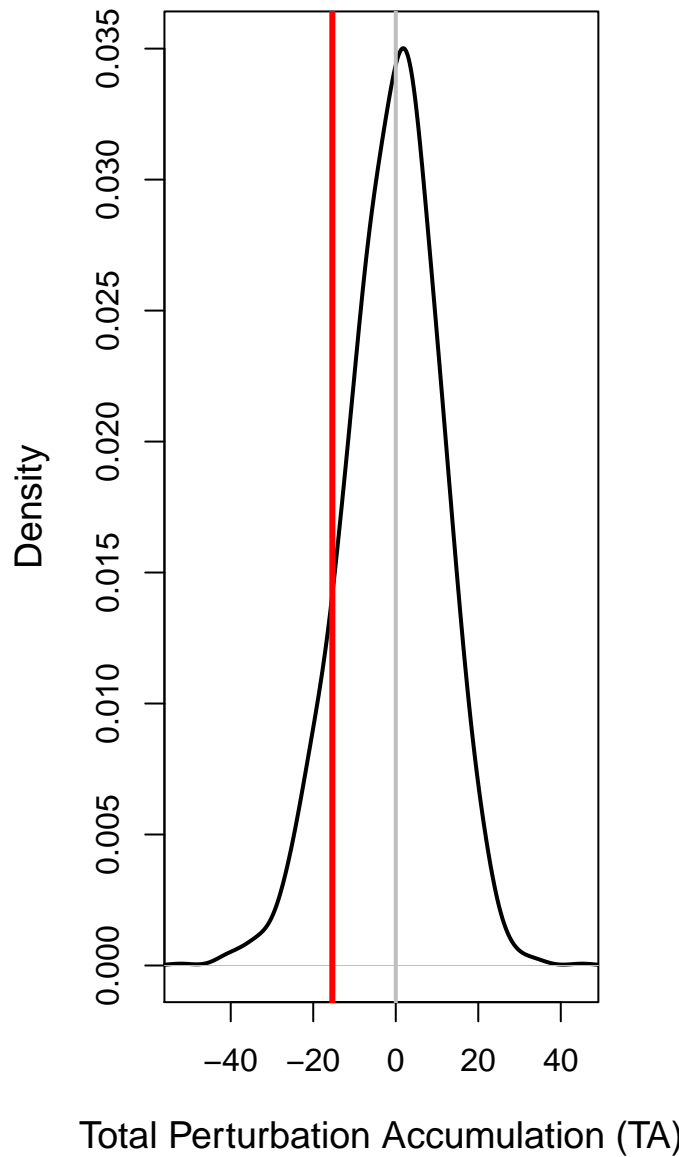
pathway ID=04723 P PERT=0.407



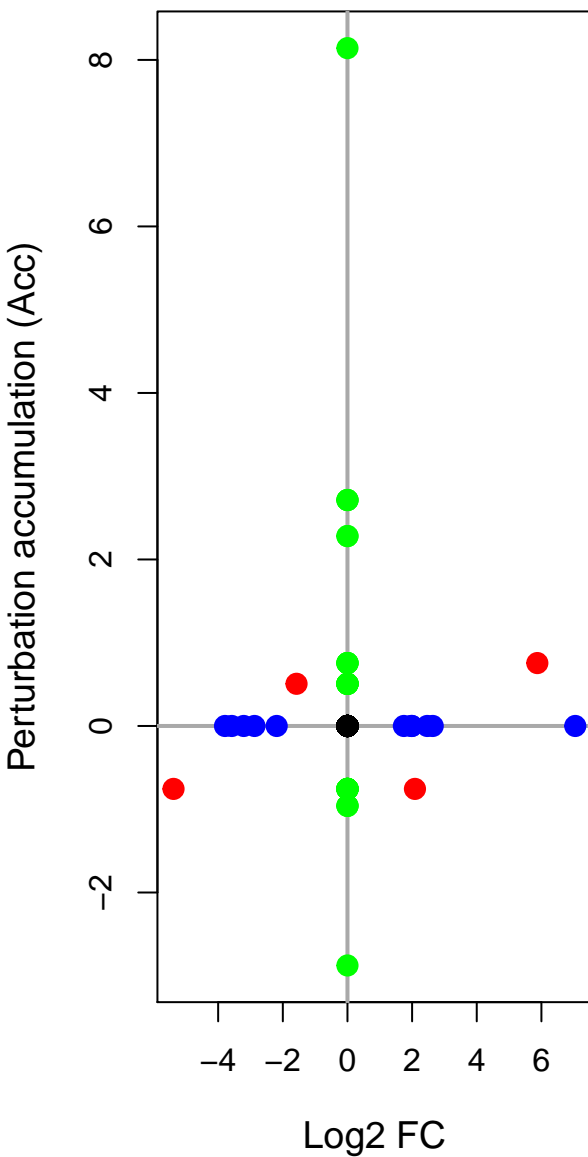
pathway ID=04724



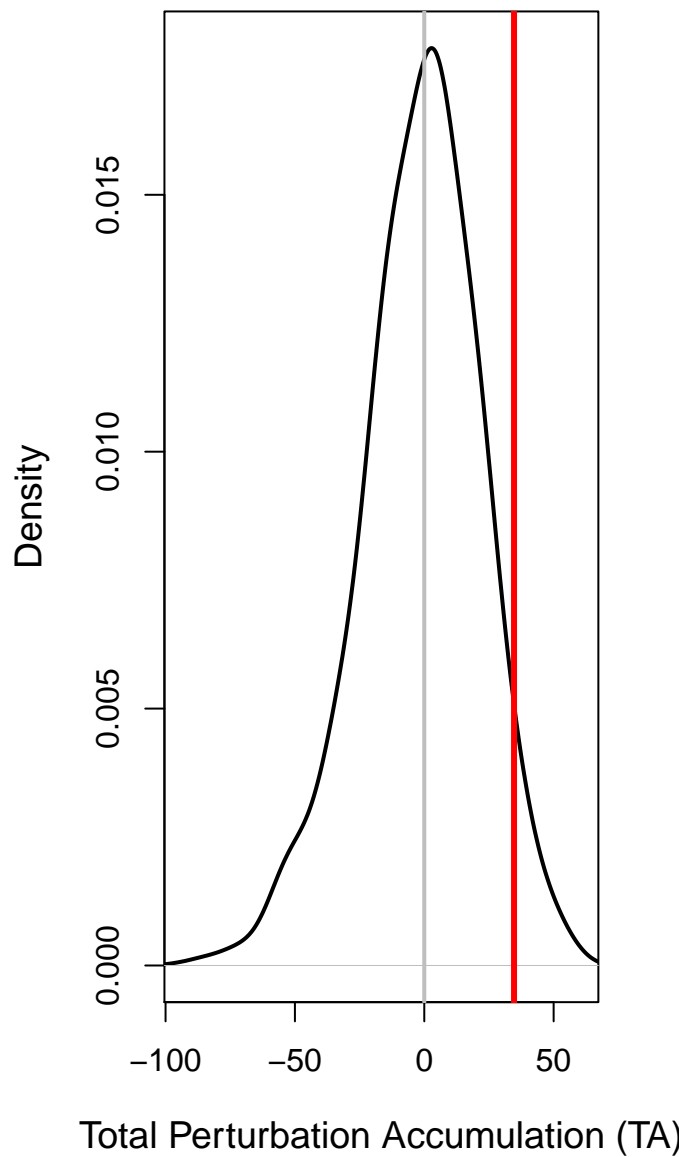
pathway ID=04724 P PERT=0.216



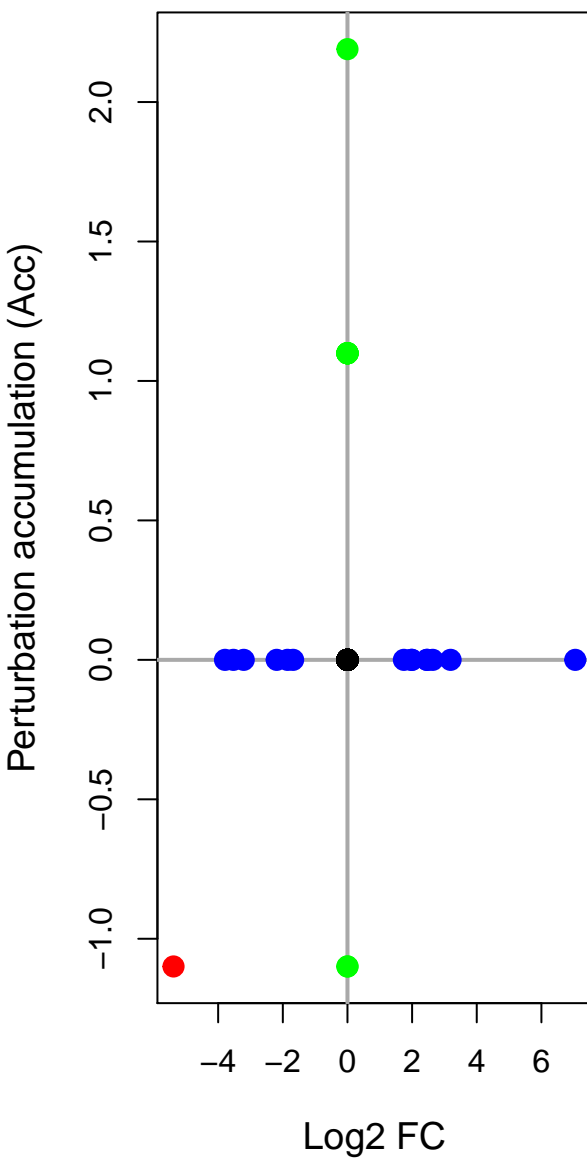
pathway ID=04725



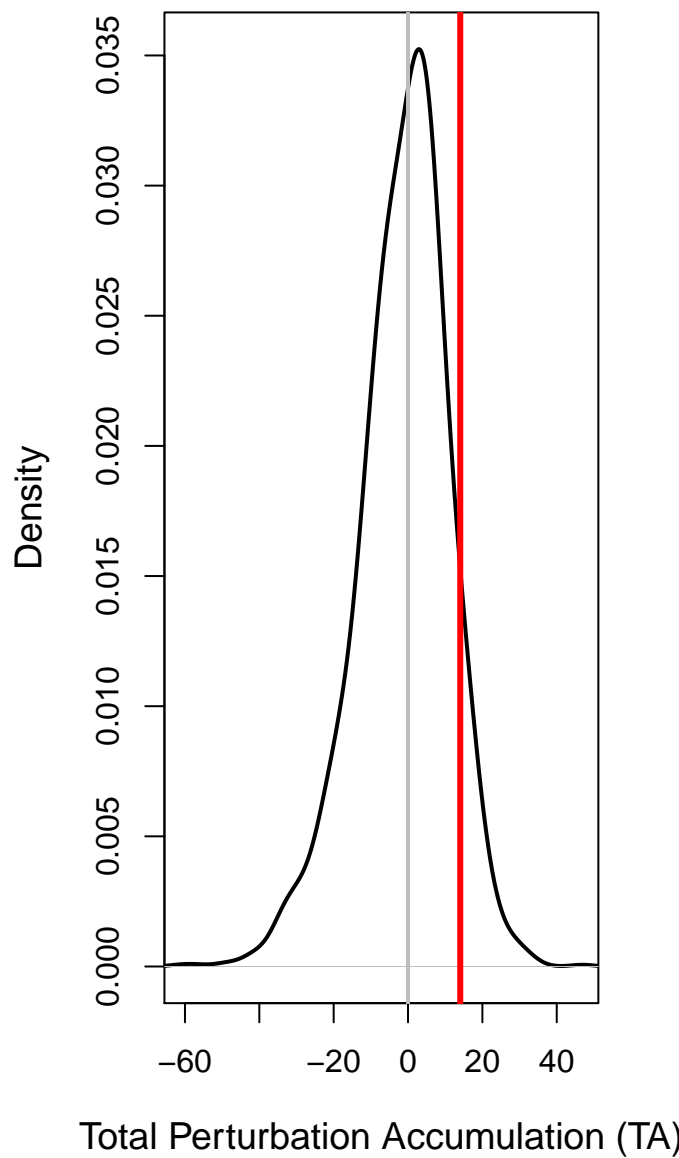
pathway ID=04725 P PERT=0.095



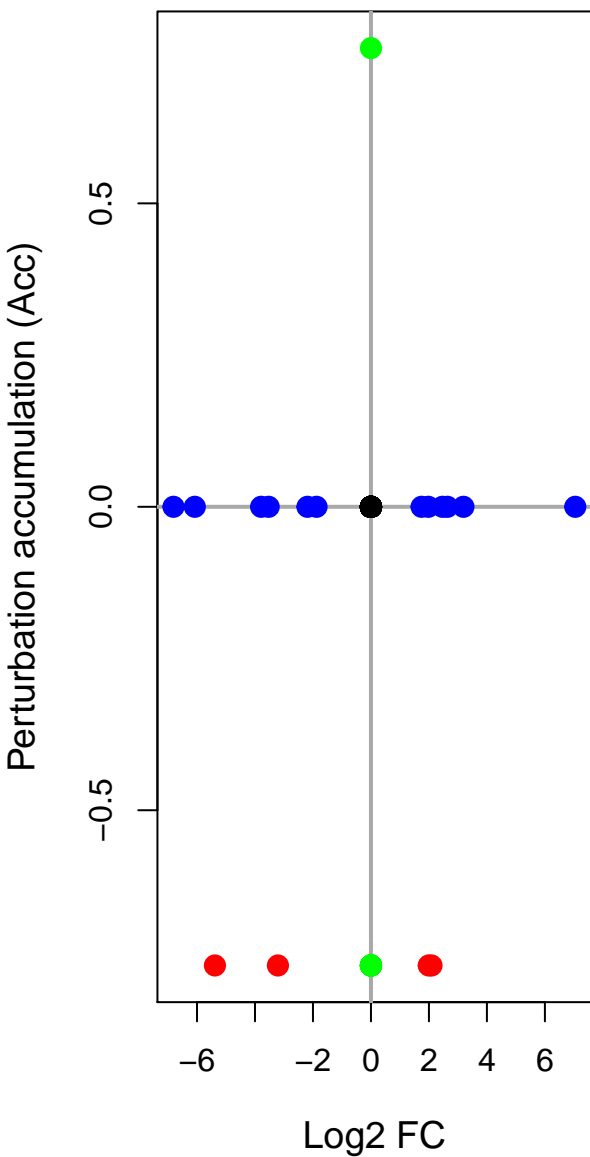
pathway ID=04726



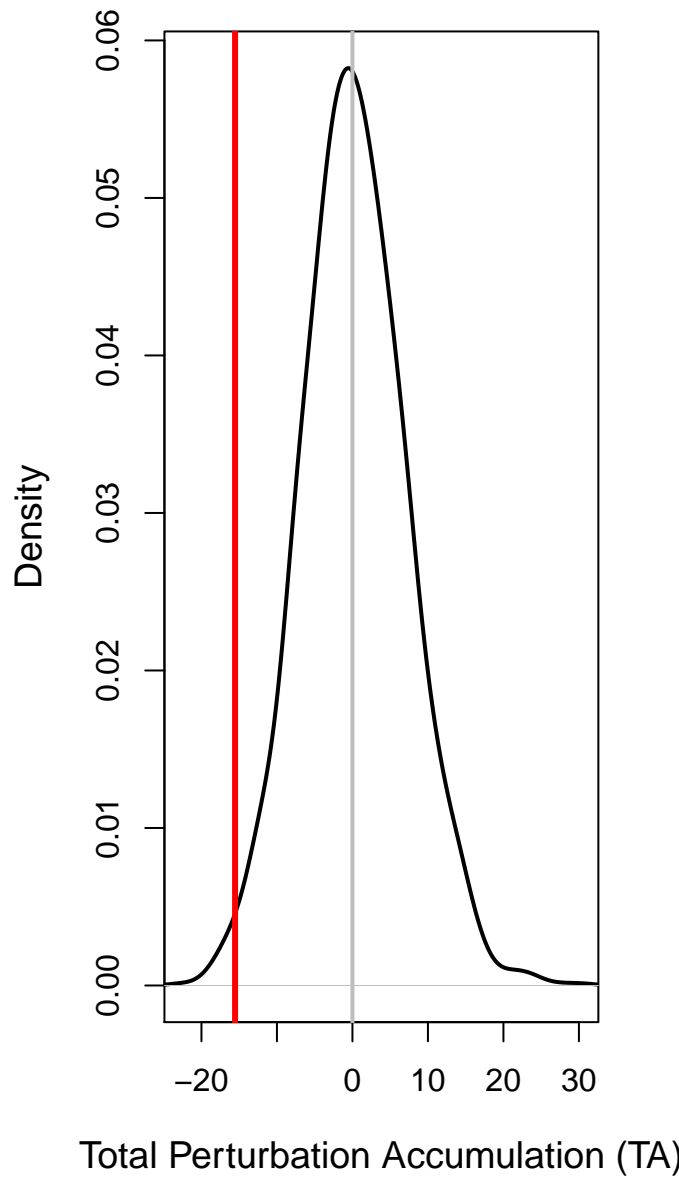
pathway ID=04726 P PERT=0.173



pathway ID=04727



pathway ID=04727 P PERT=0.021



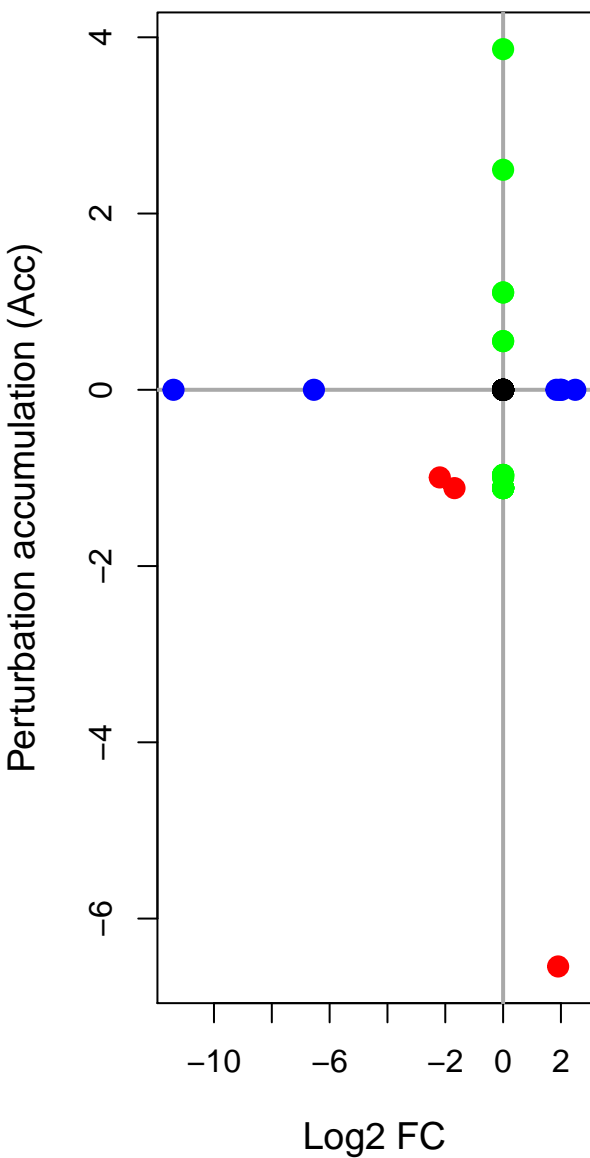
## Total Perturbation Accumulation (TA)

A density plot showing a normal distribution curve. The x-axis ranges from -40 to 40, and the y-axis (Density) ranges from 0.00 to 0.03. A red vertical line is drawn at approximately x = 3, and a grey vertical line is drawn at x = 0.

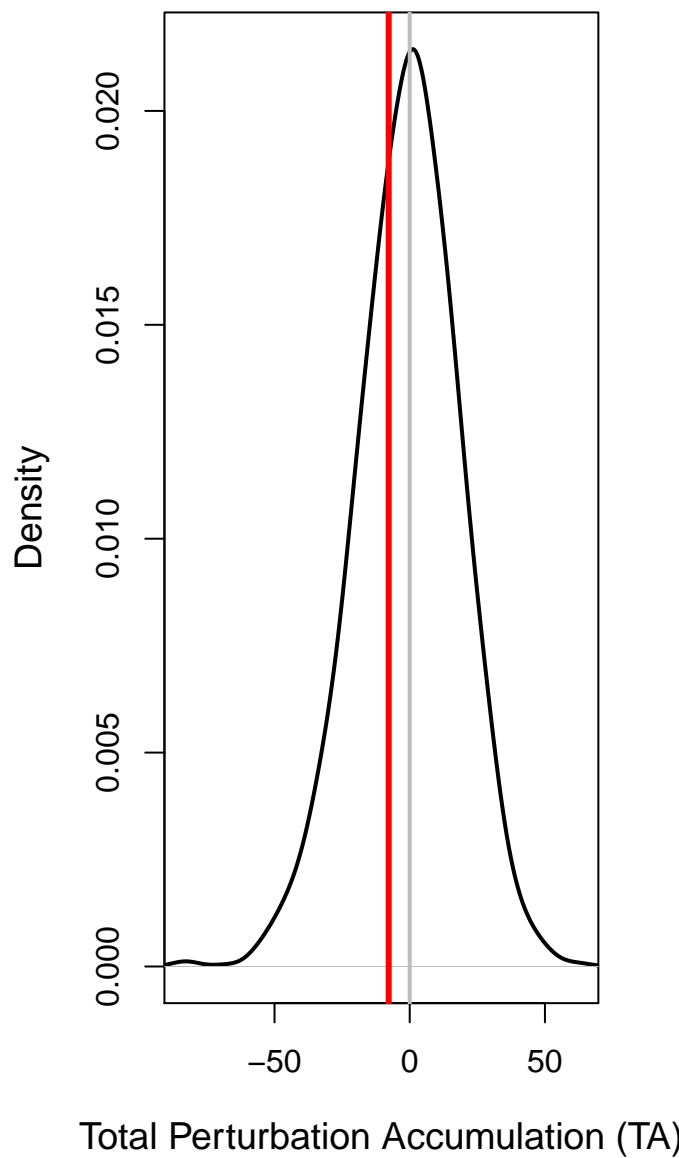
## Total Perturbation Accumulation (TA)



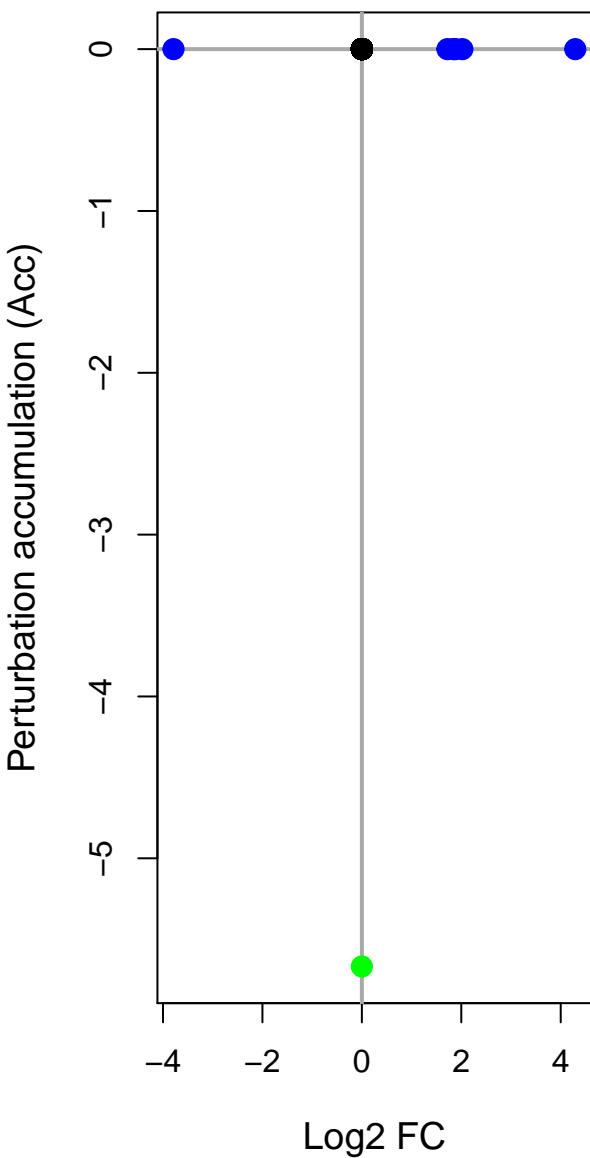
pathway ID=04730



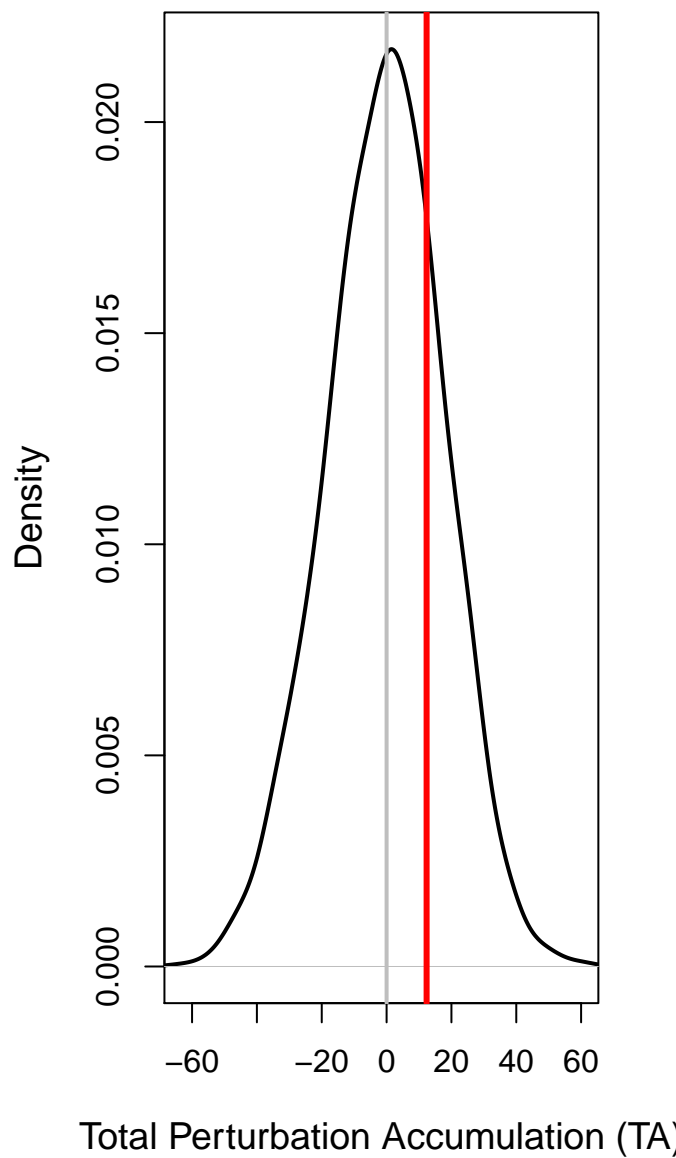
pathway ID=04730 P PERT=0.684



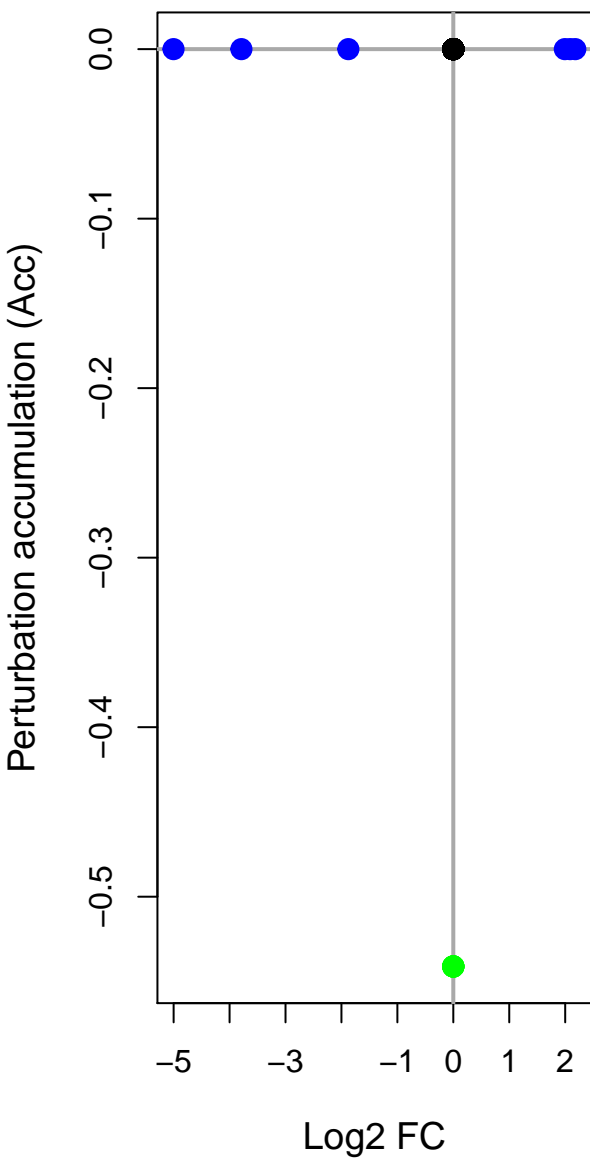
pathway ID=04740



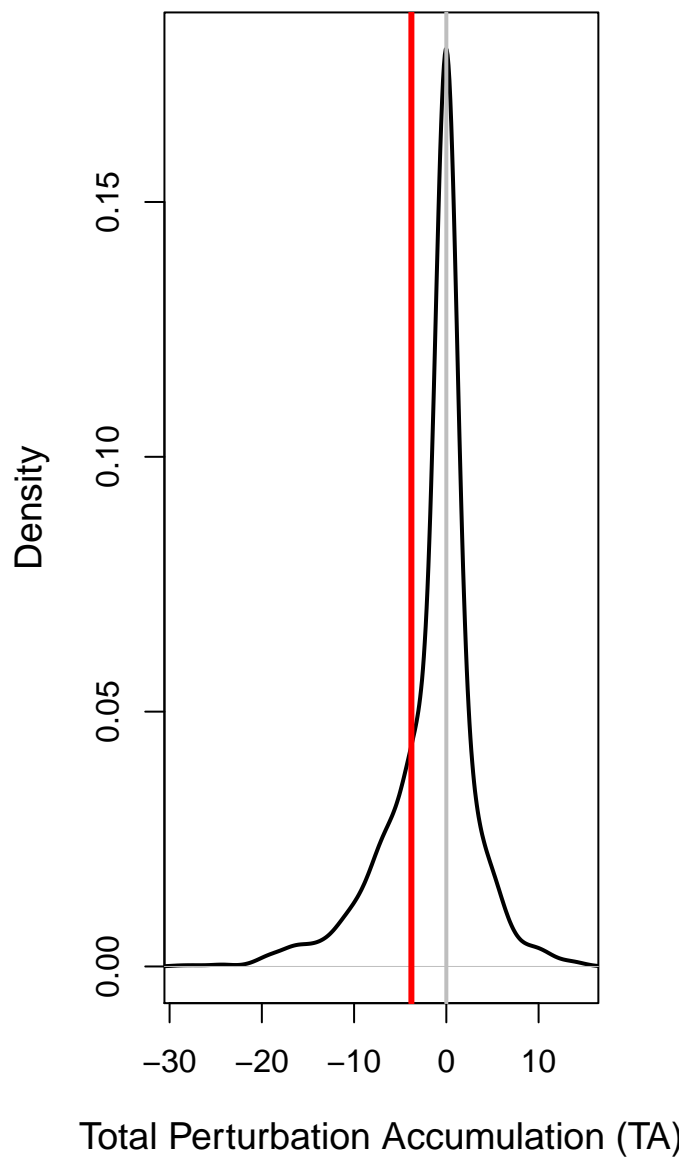
pathway ID=04740 P PERT=0.485



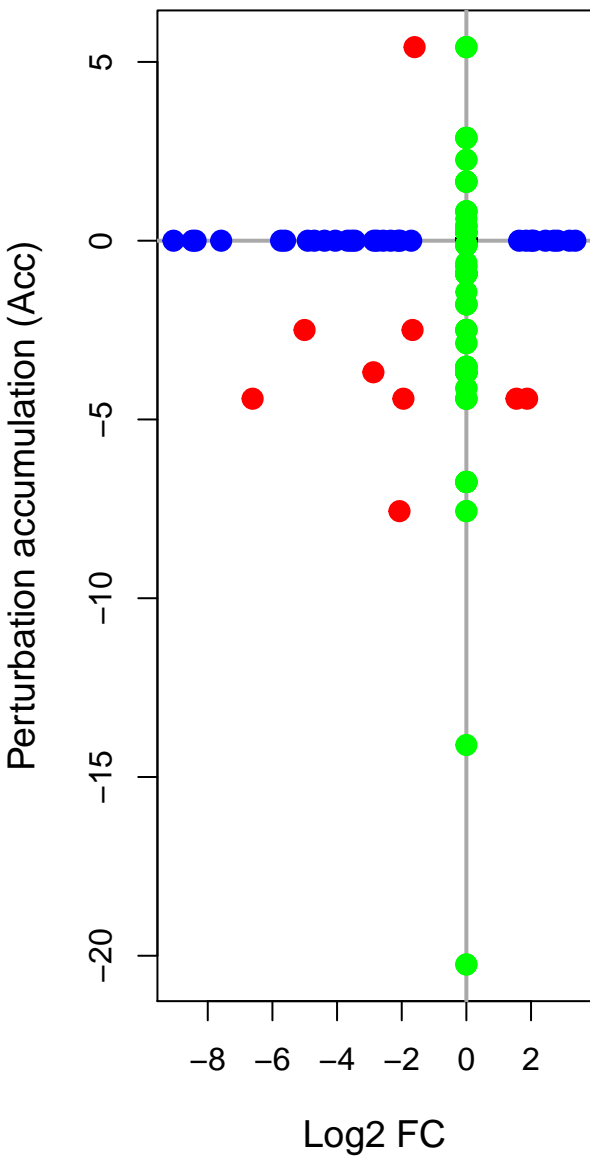
pathway ID=04742



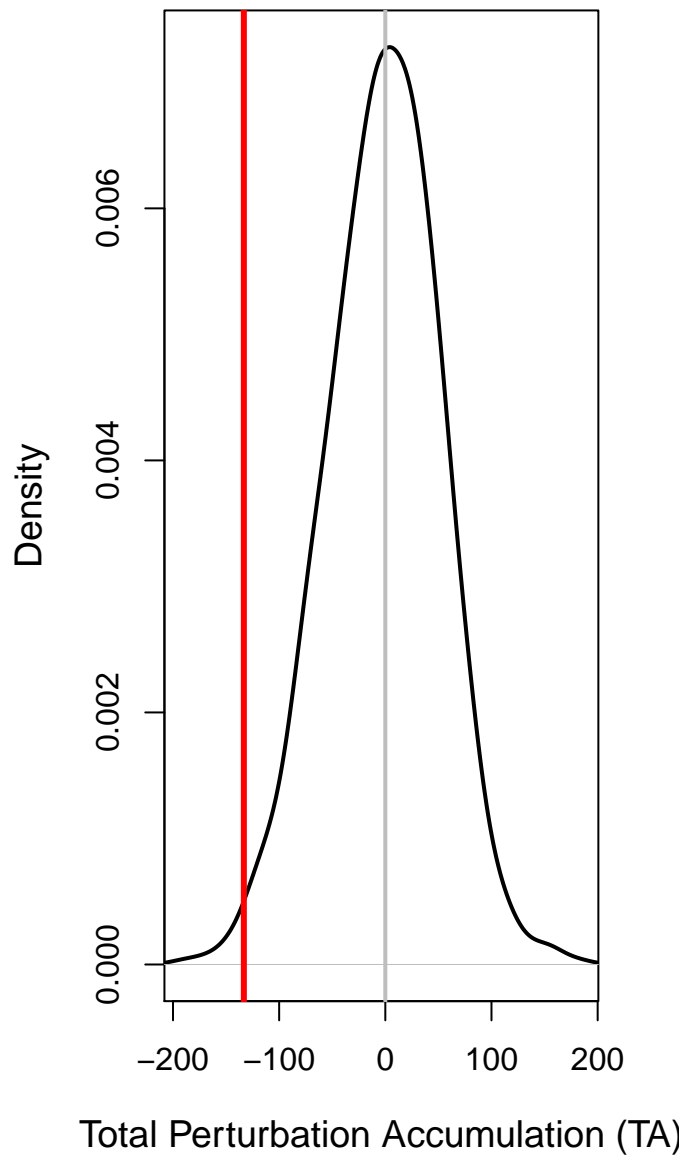
pathway ID=04742 P PERT=0.419



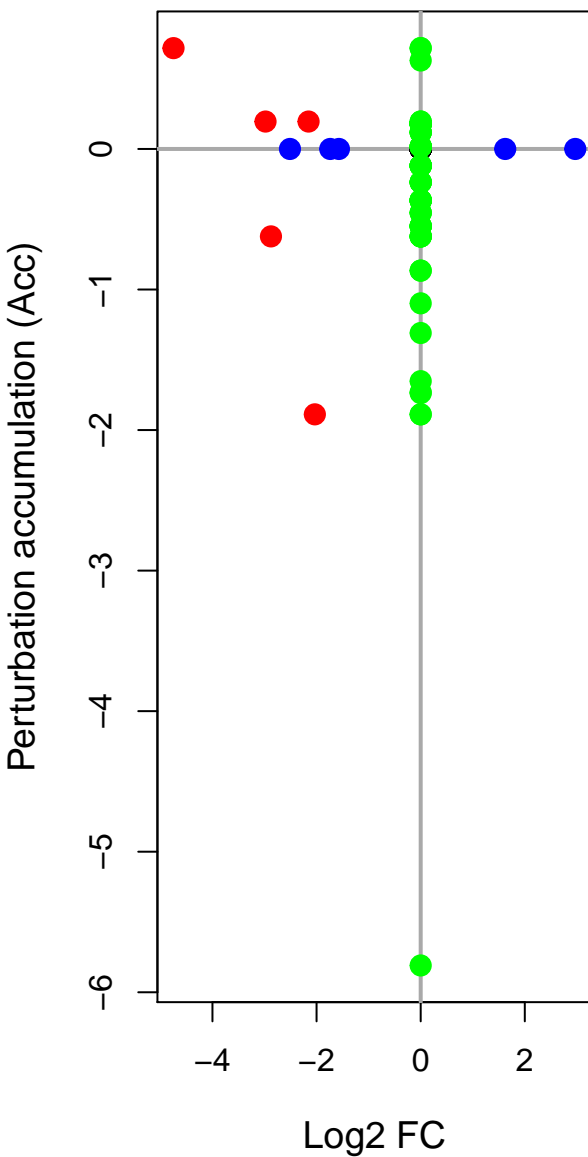
pathway ID=04810



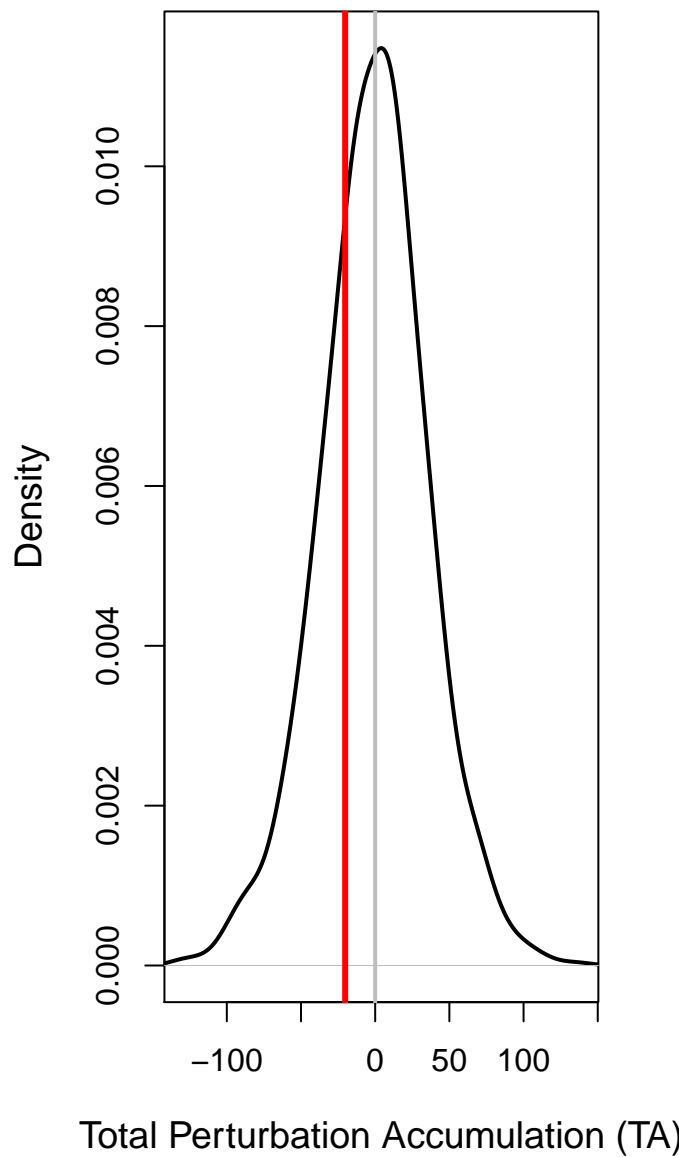
pathway ID=04810 P PERT=0.018



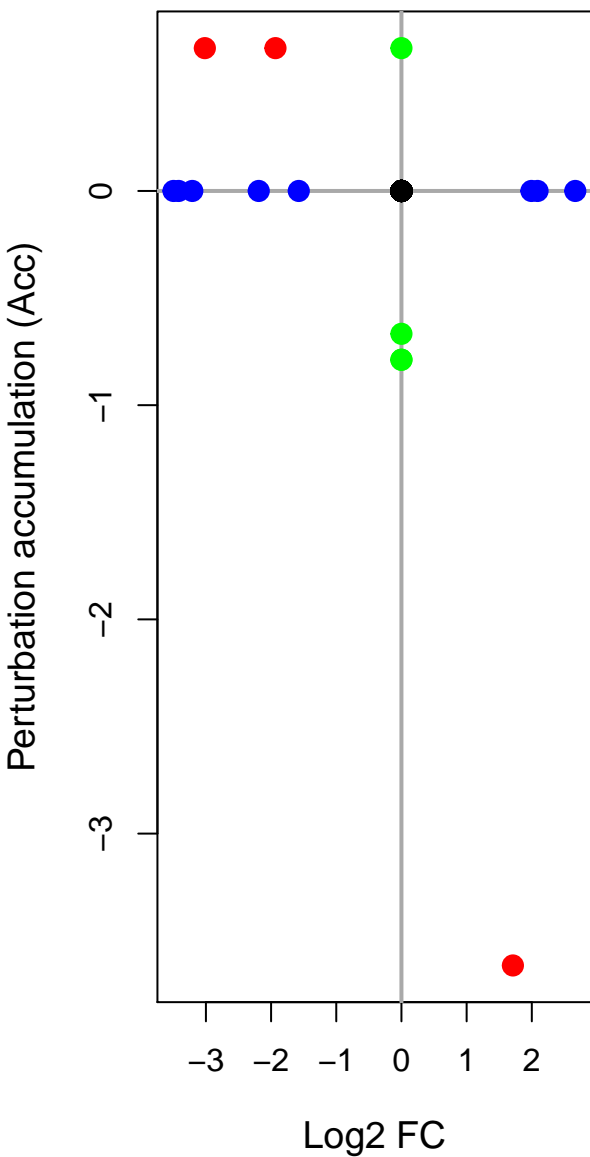
pathway ID=04910



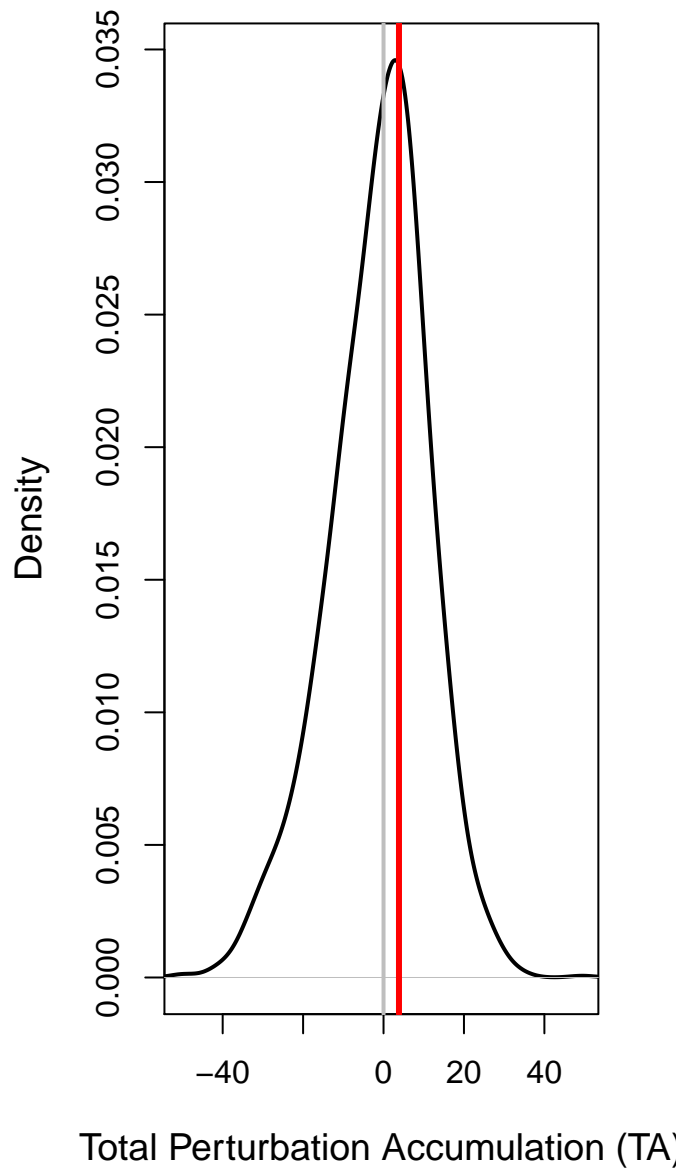
pathway ID=04910 P PERT=0.552



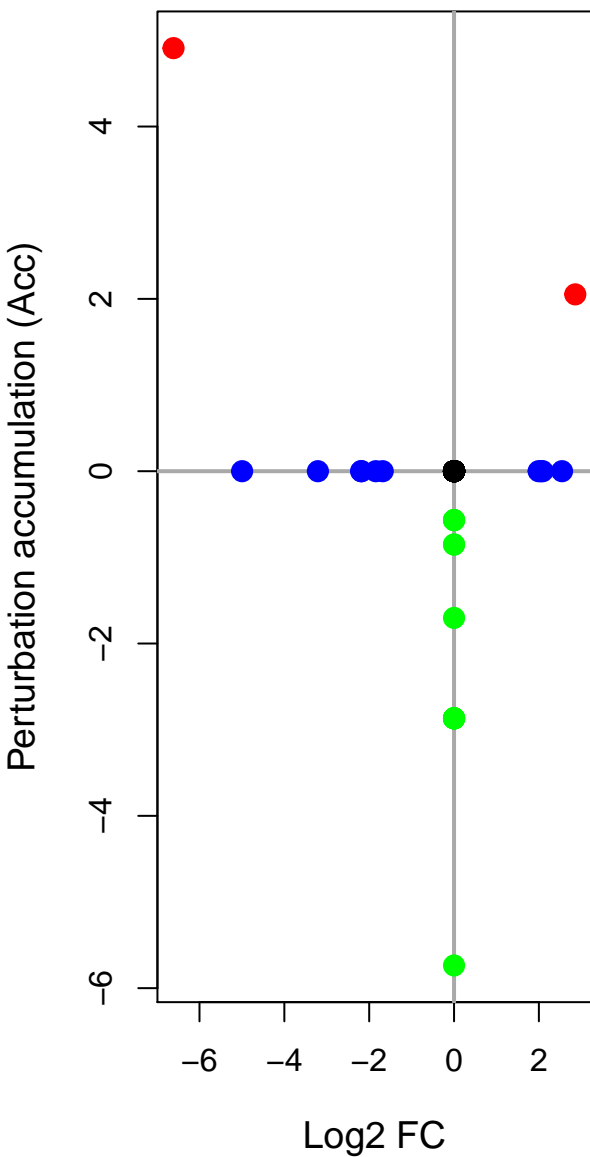
pathway ID=04911



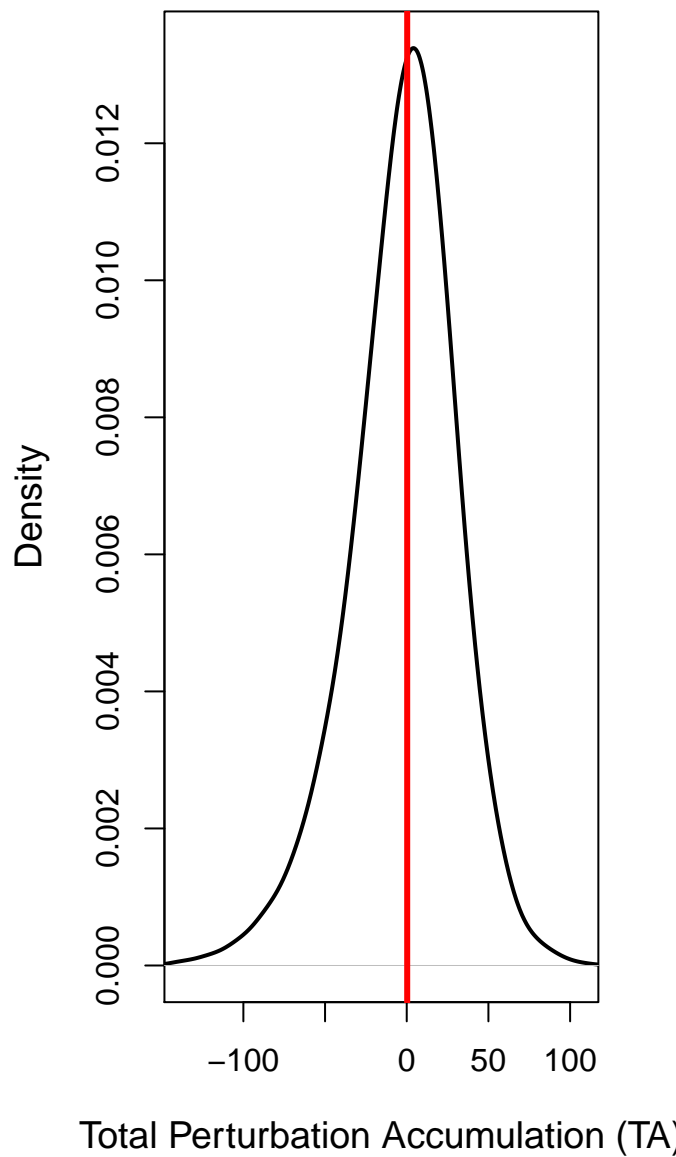
pathway ID=04911 P PERT=0.734



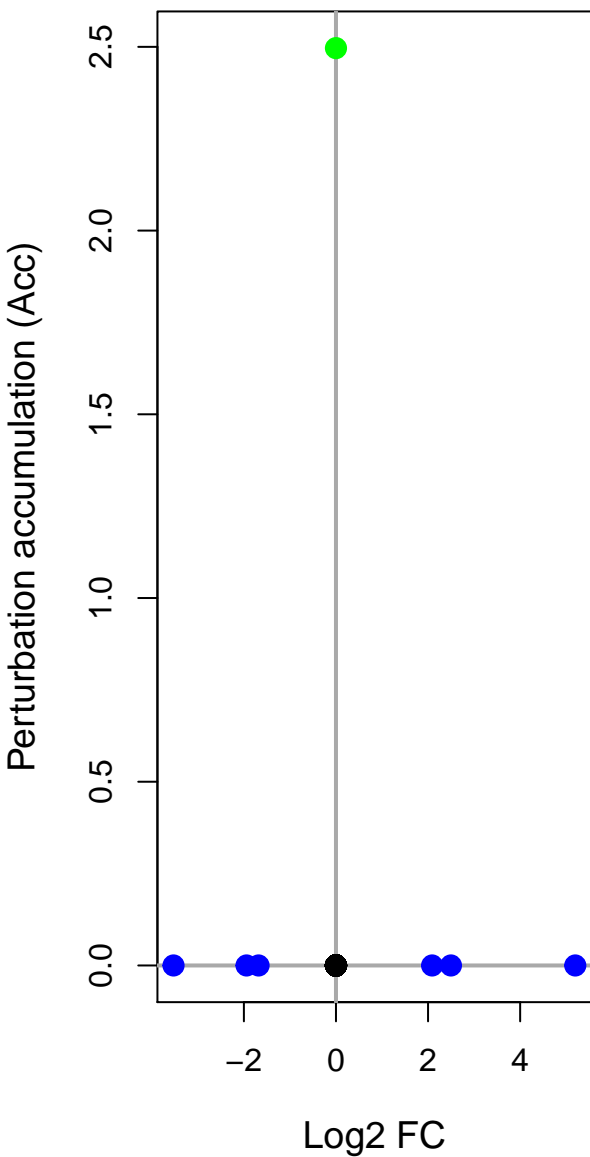
pathway ID=04912



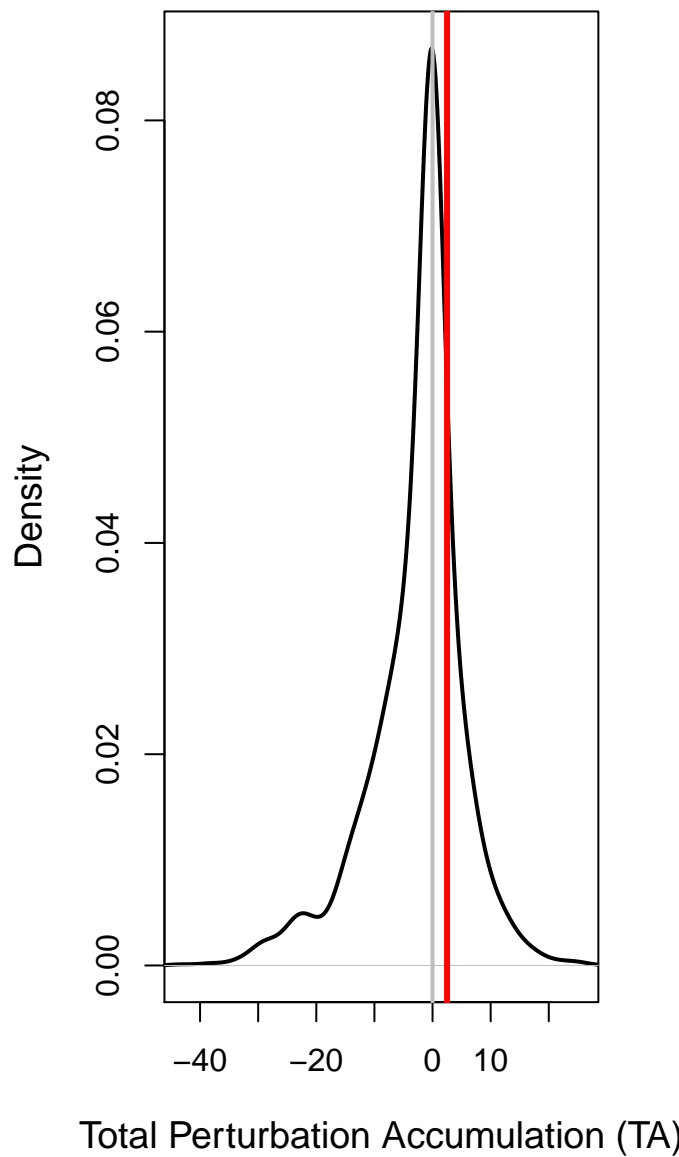
pathway ID=04912 P PERT=0.991



pathway ID=04913

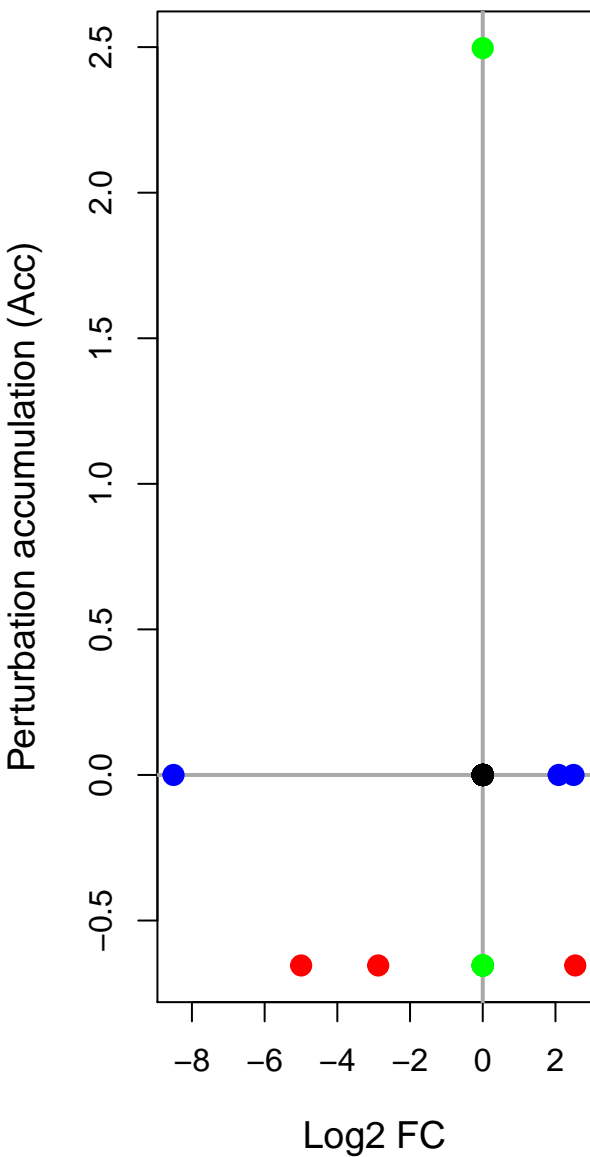


pathway ID=04913 P PERT=0.379

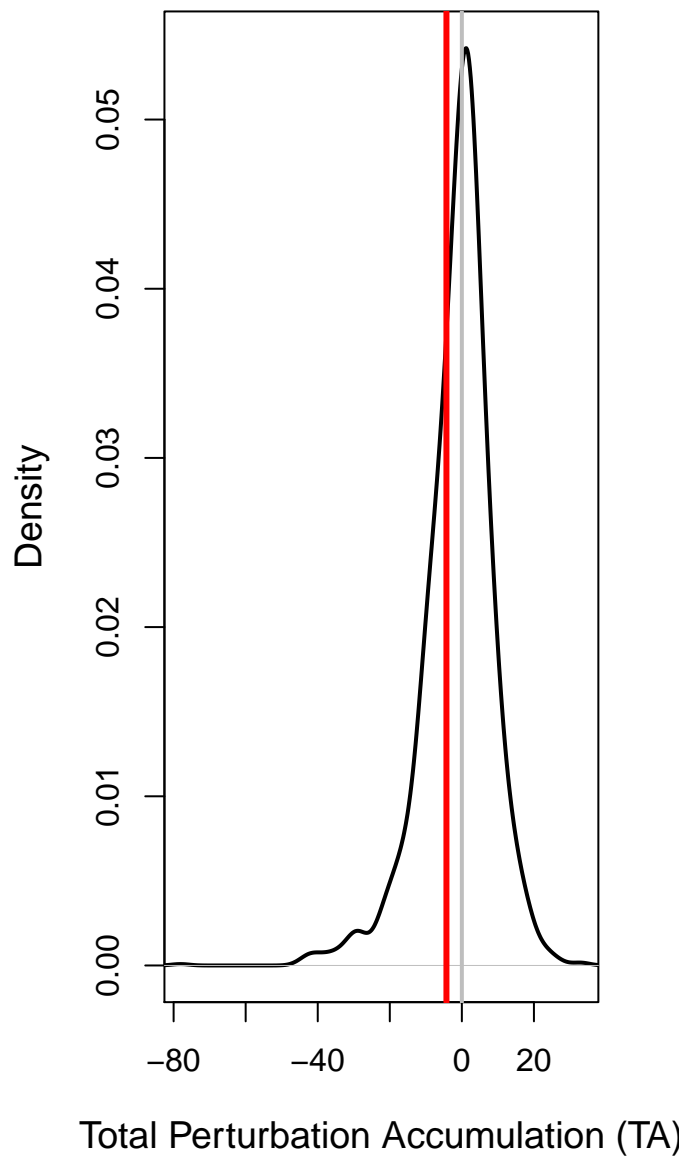




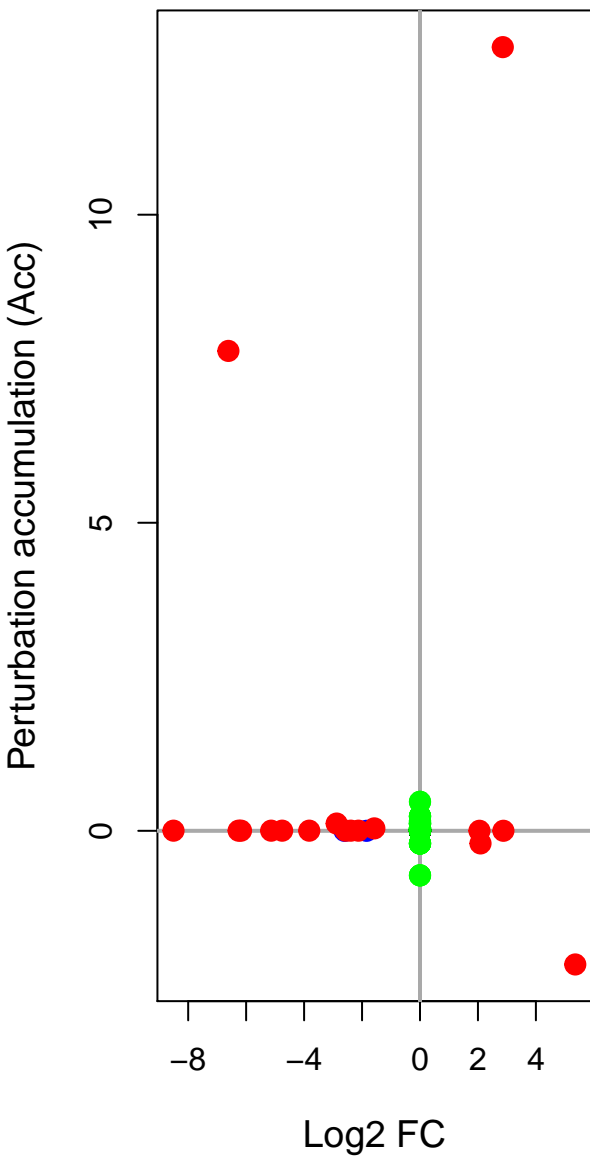
pathway ID=04914



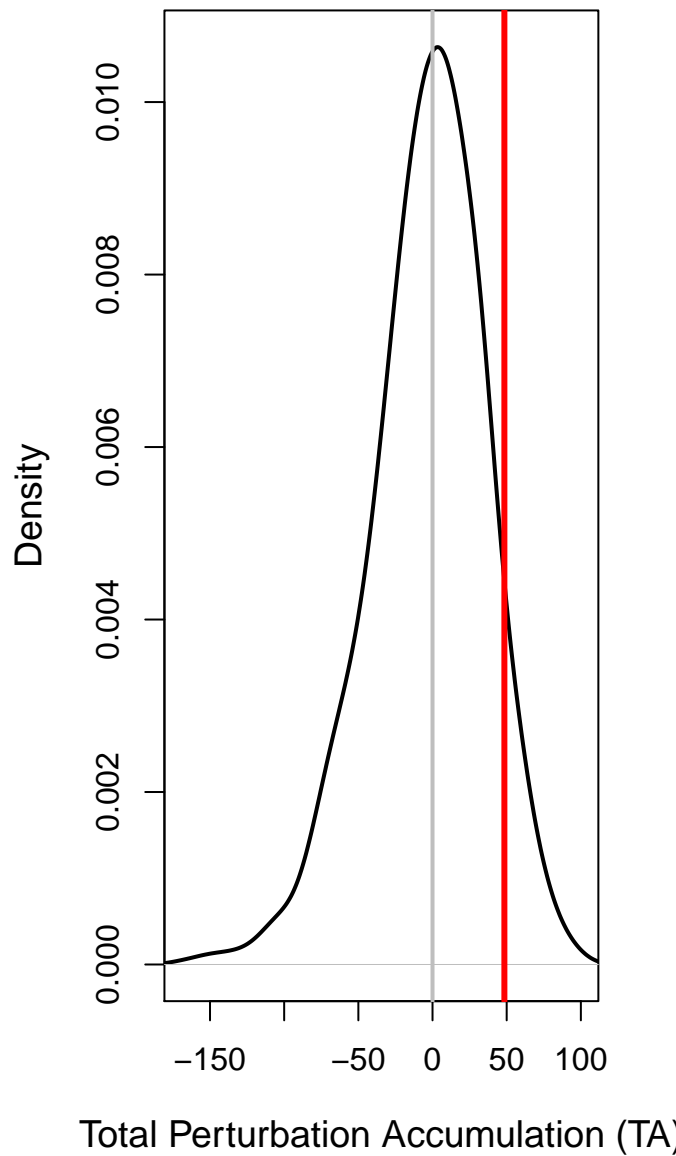
pathway ID=04914 P PERT=0.592



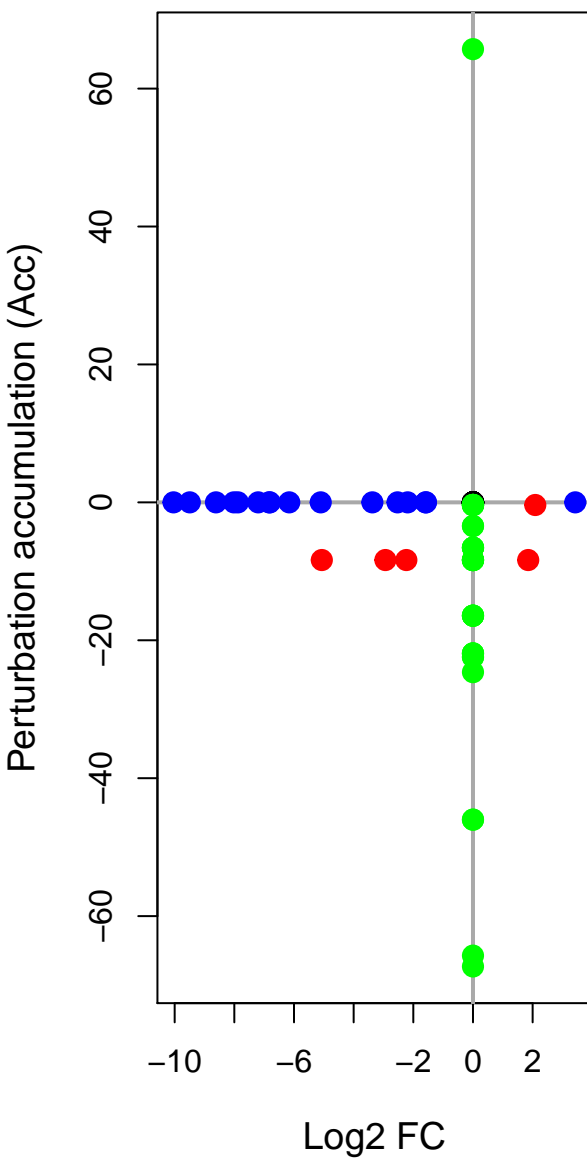
pathway ID=04915



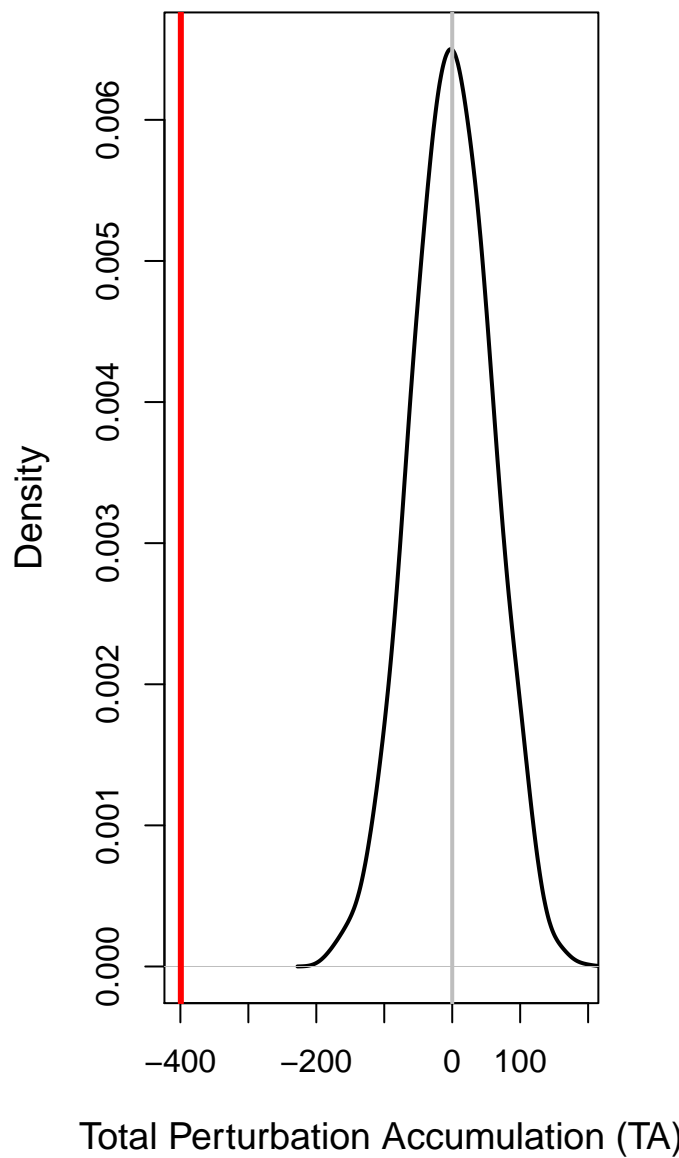
pathway ID=04915 P PERT=0.148



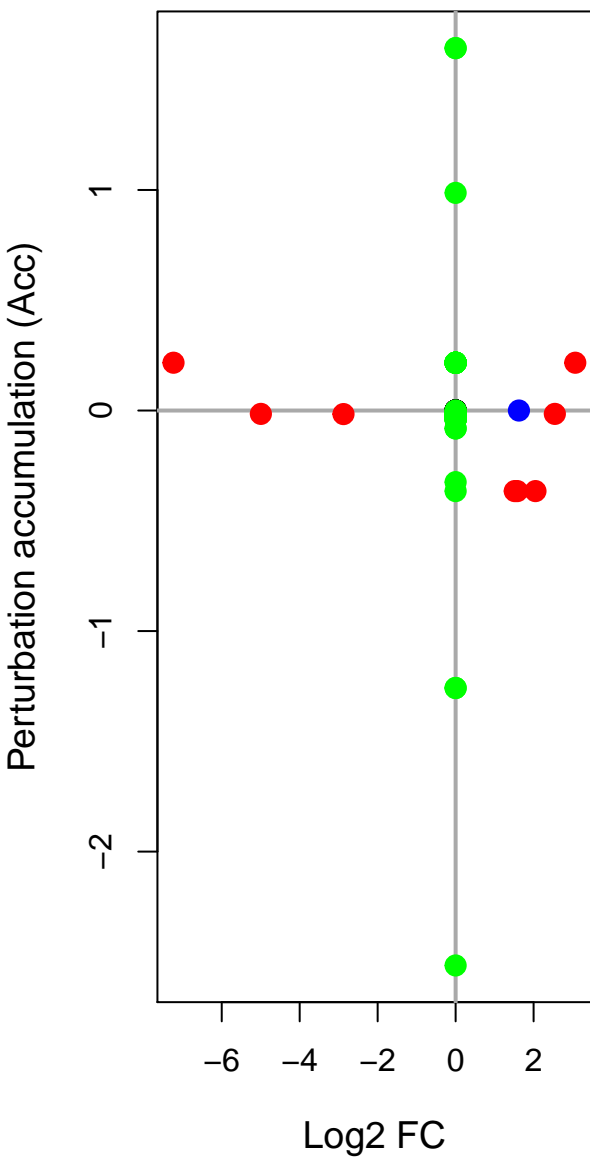
pathway ID=04916



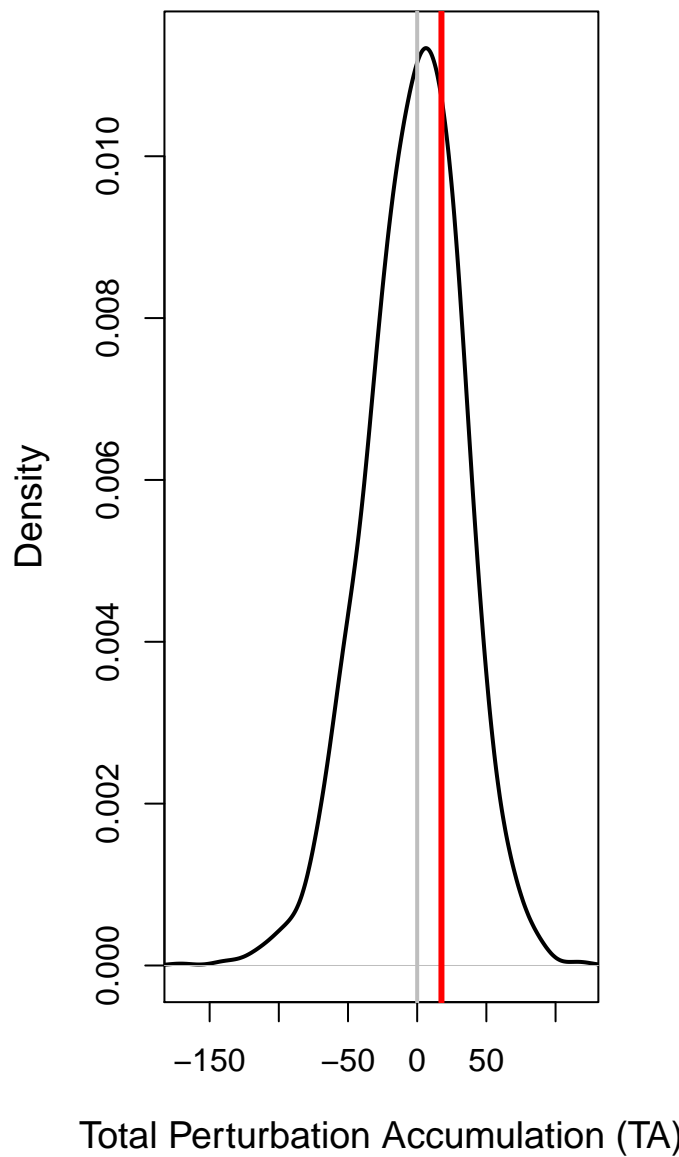
pathway ID=04916 P PERT=0



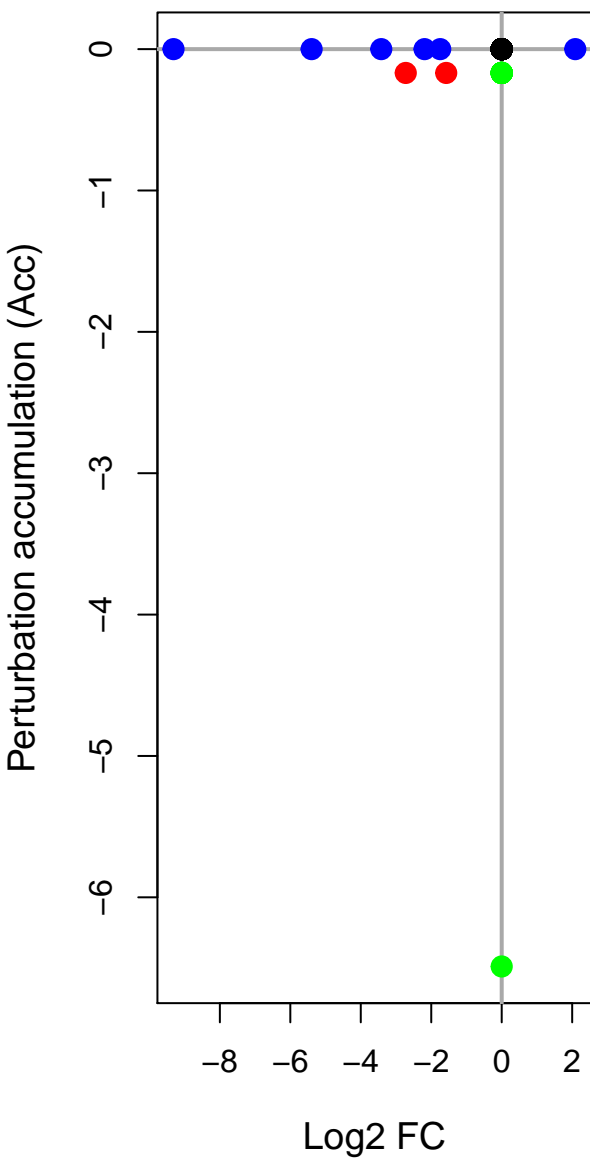
pathway ID=04917



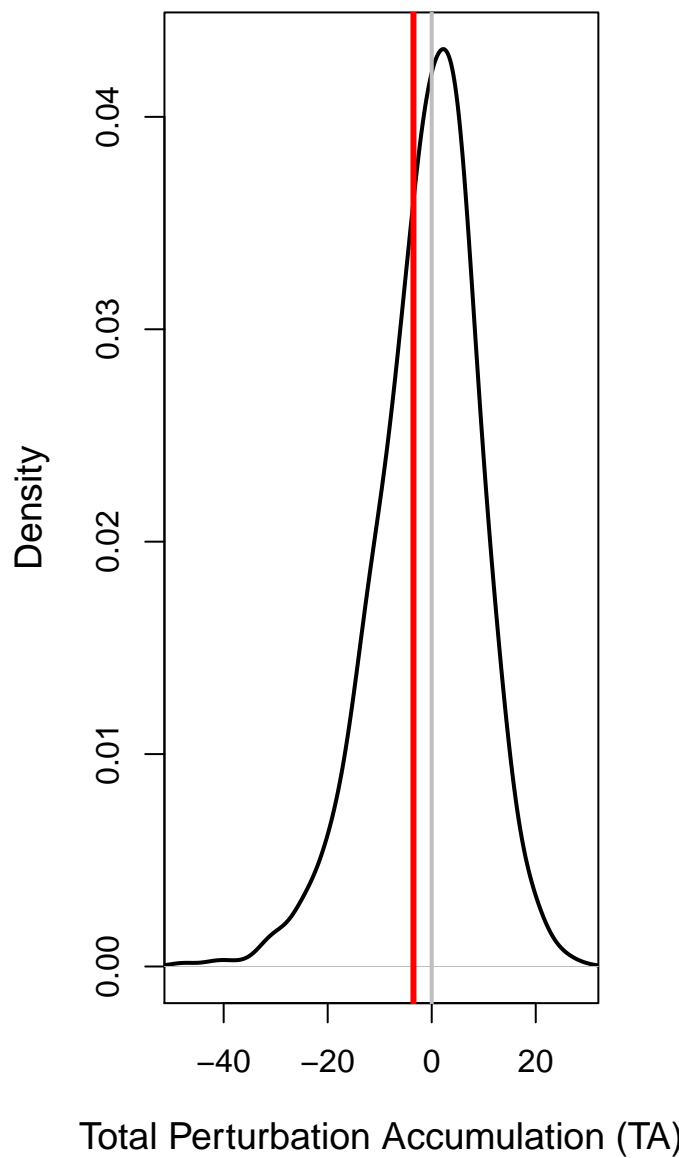
pathway ID=04917 P PERT=0.589



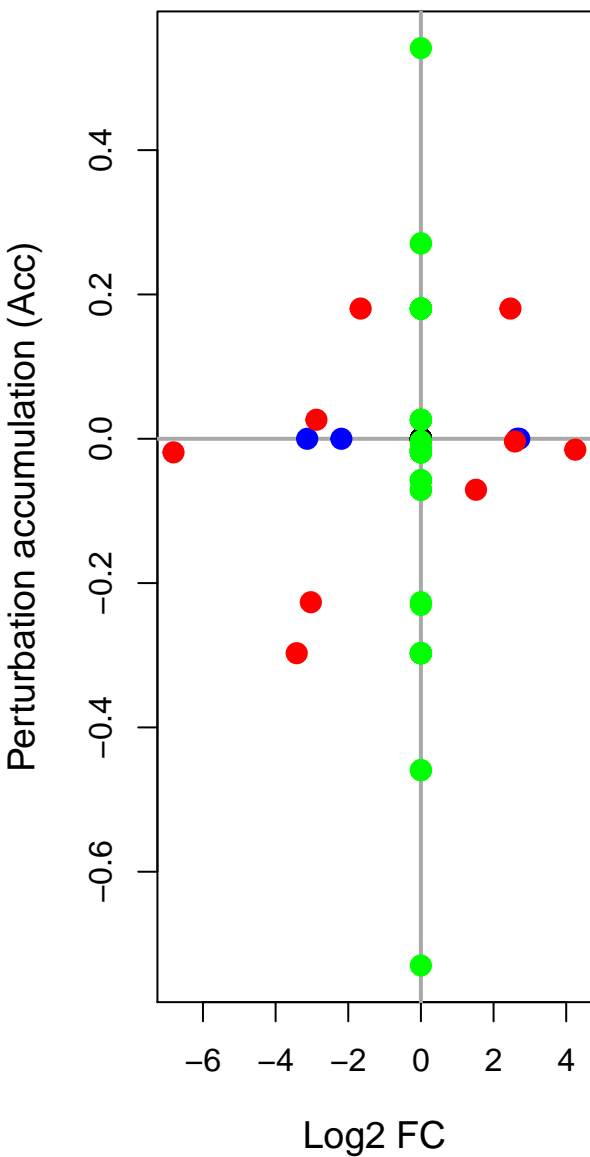
pathway ID=04918



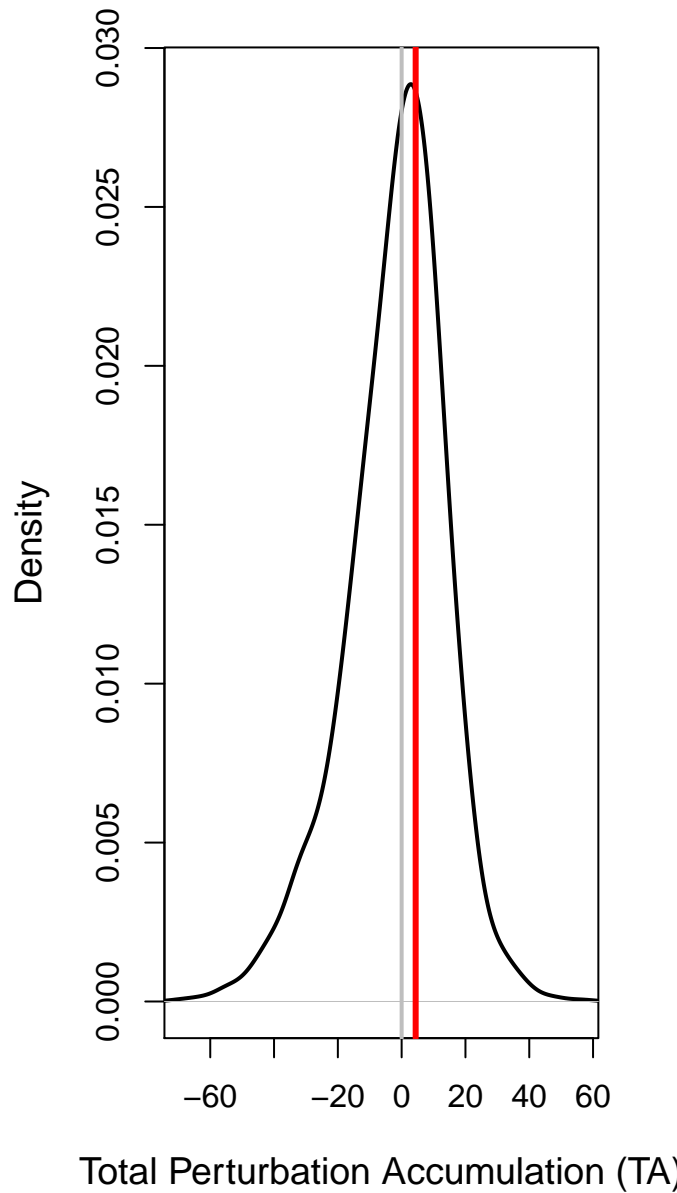
pathway ID=04918 P PERT=0.711



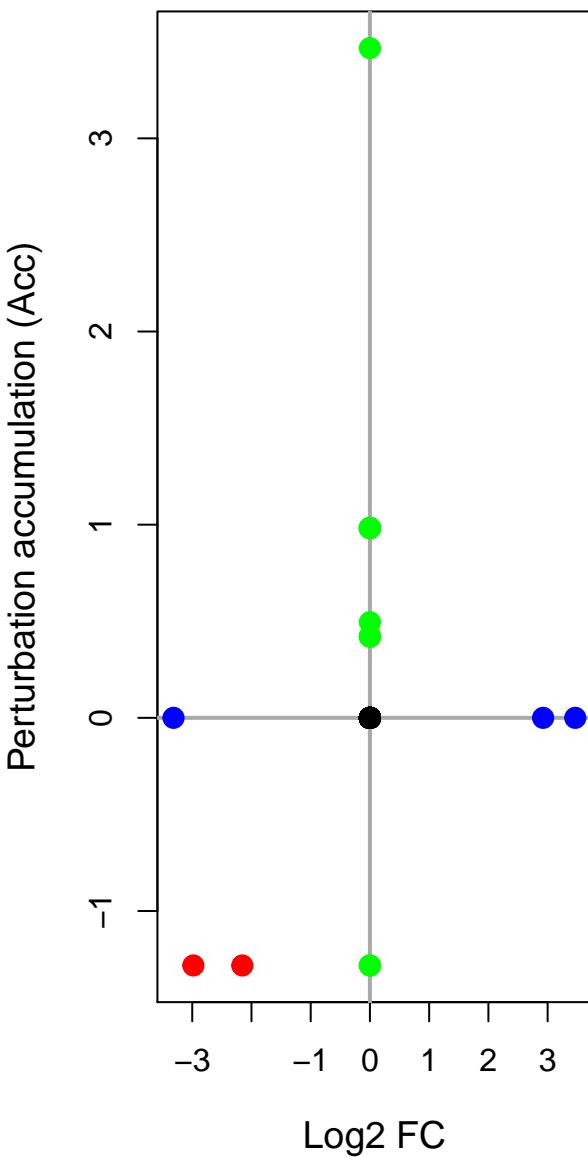
pathway ID=04919



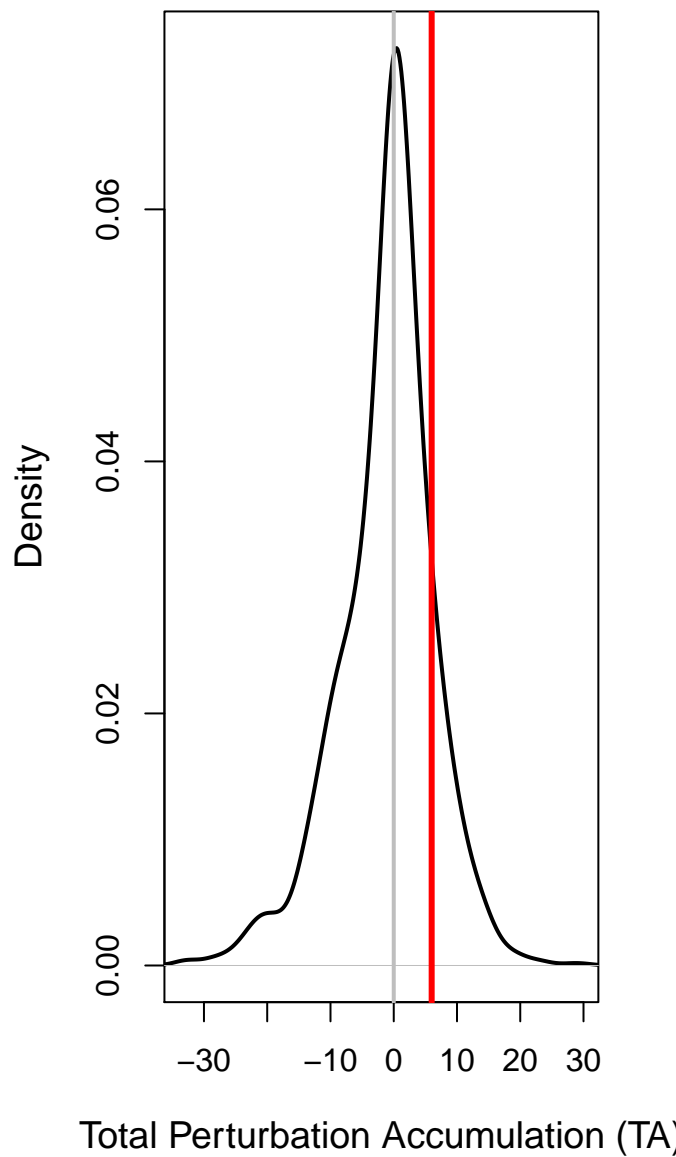
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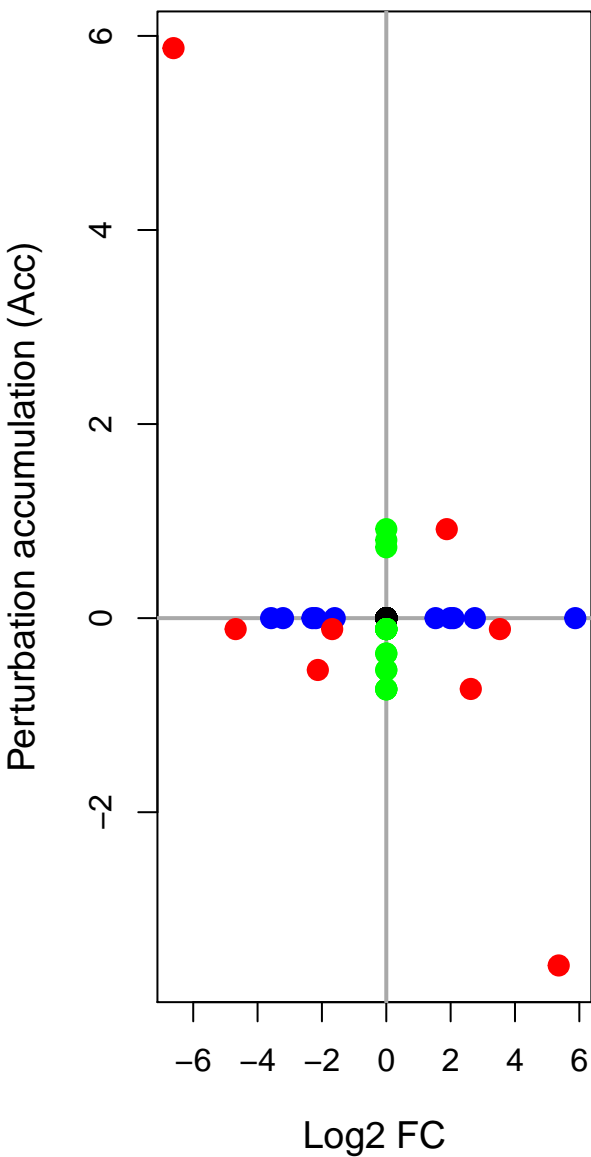
pathway ID=04920



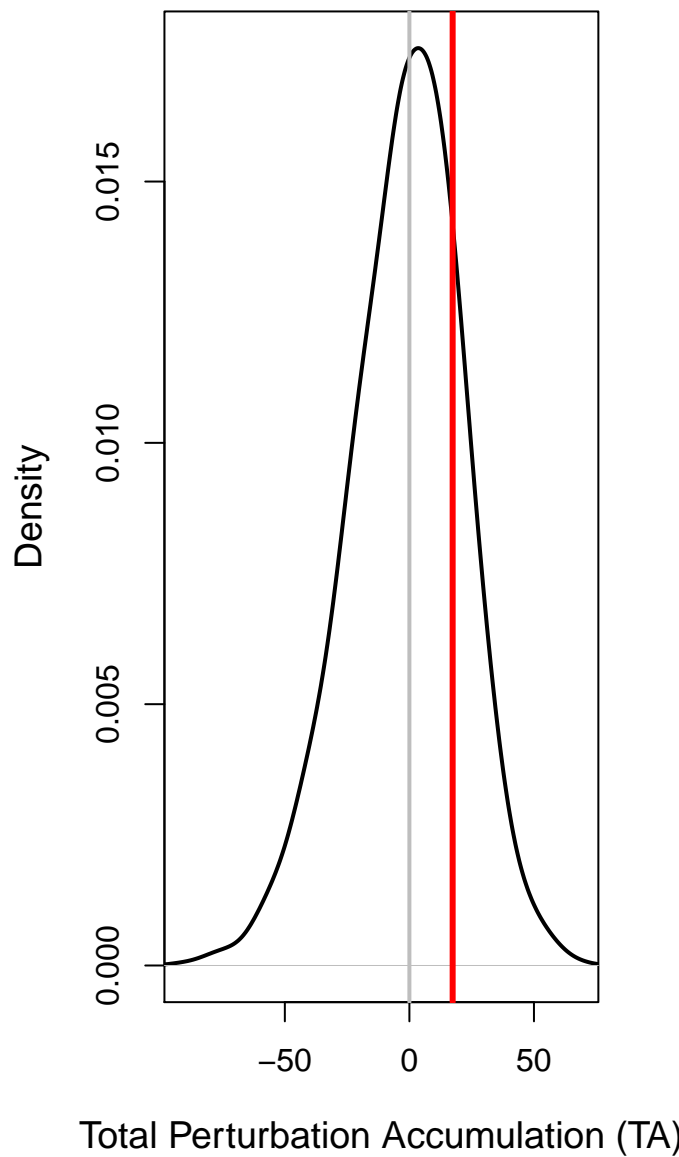
pathway ID=04920 P PERT=0.282



pathway ID=04921

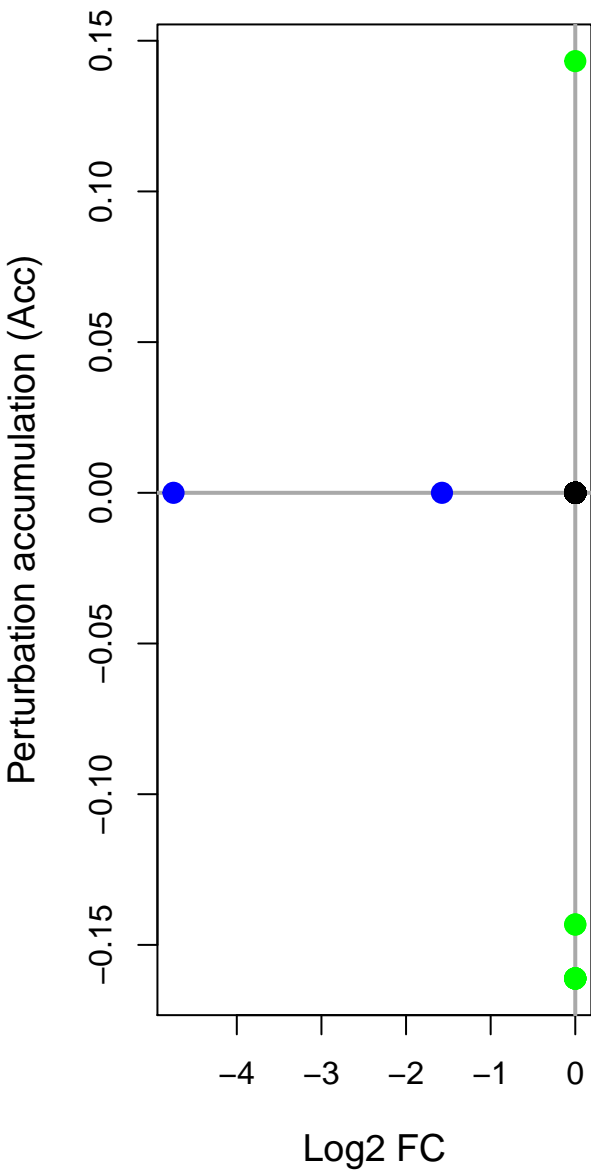


pathway ID=04921 P PERT=0.403

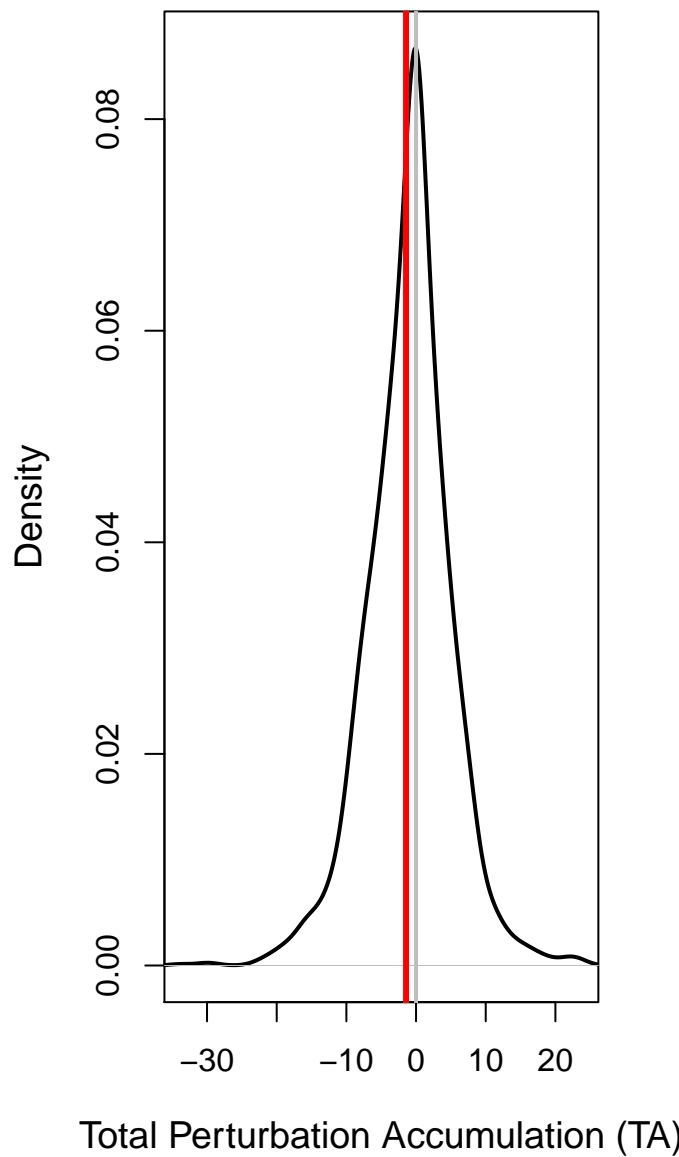




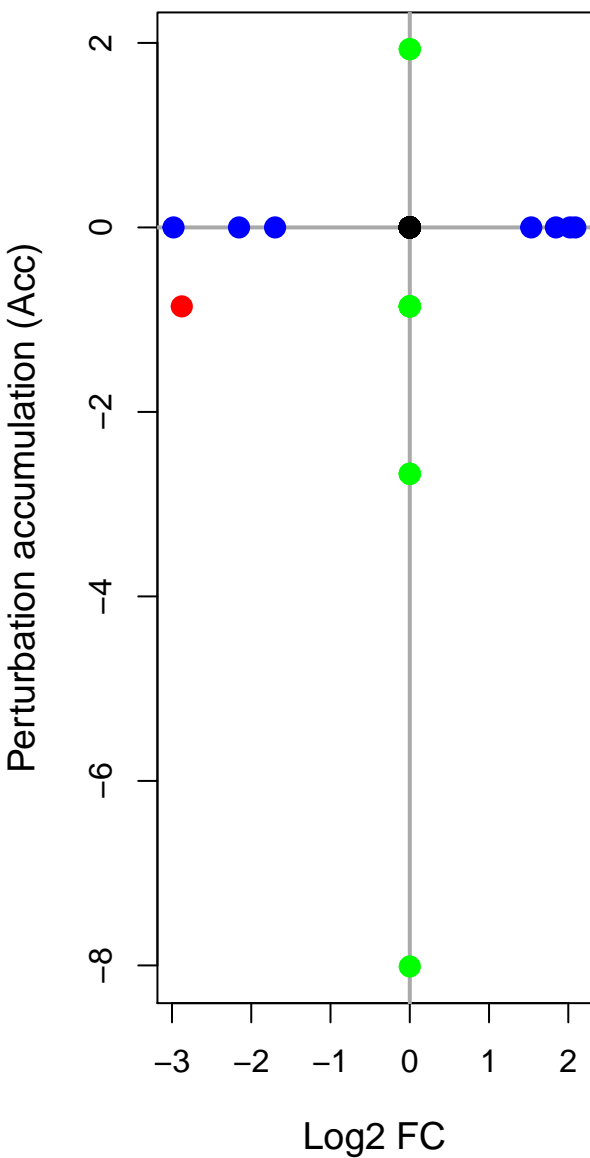
pathway ID=04922



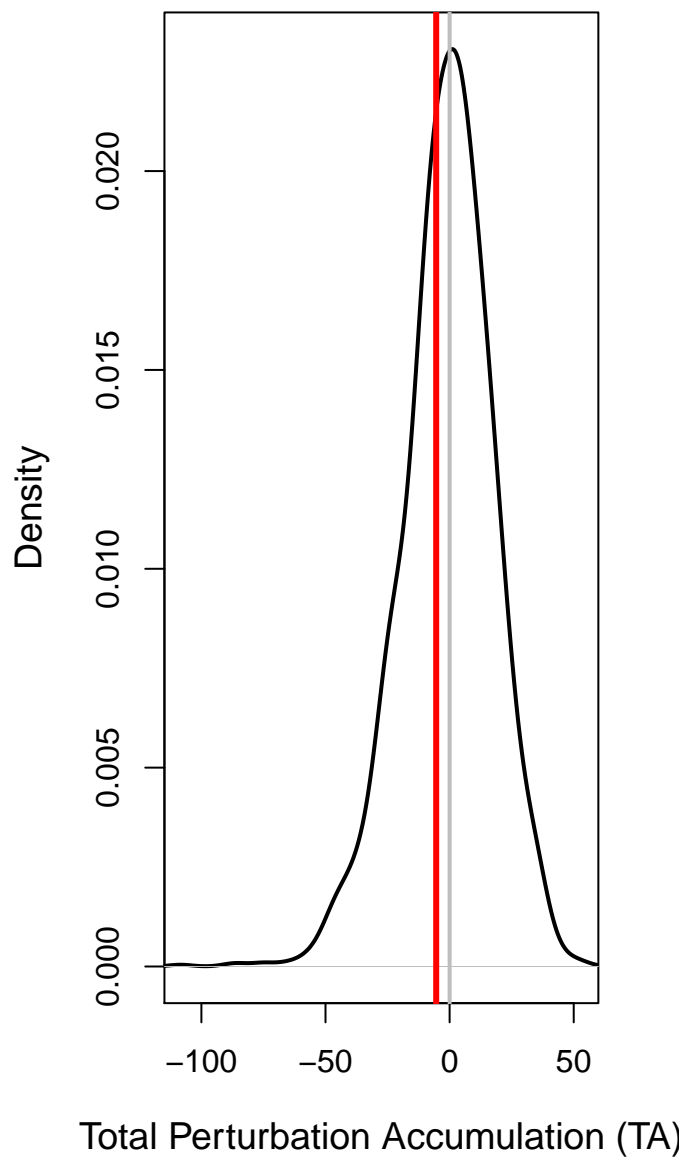
pathway ID=04922 P PERT=0.871



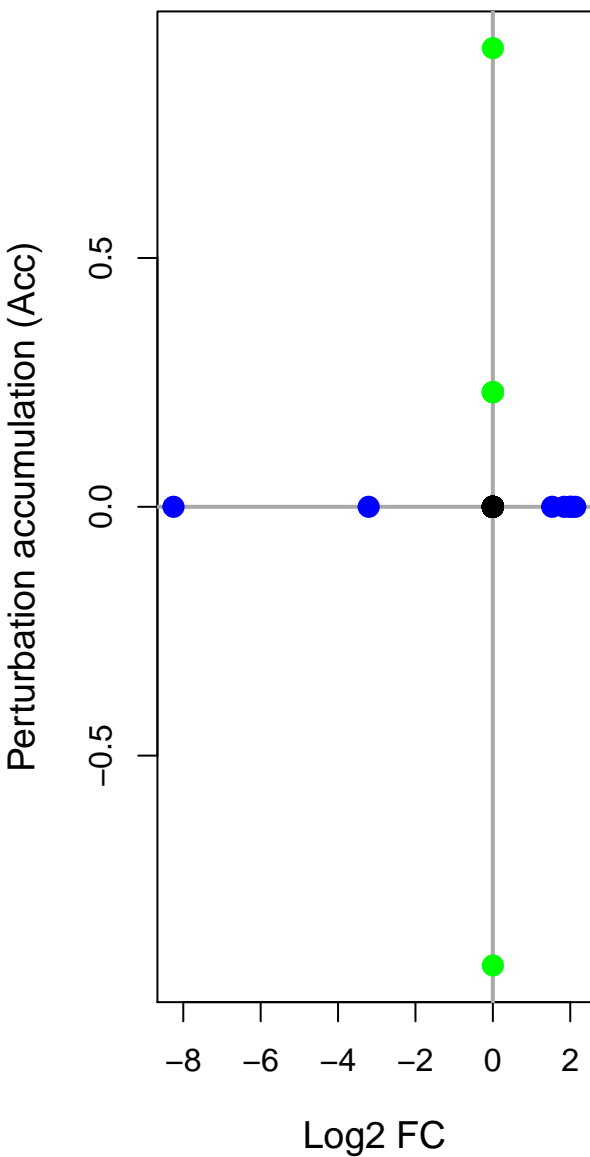
pathway ID=04923



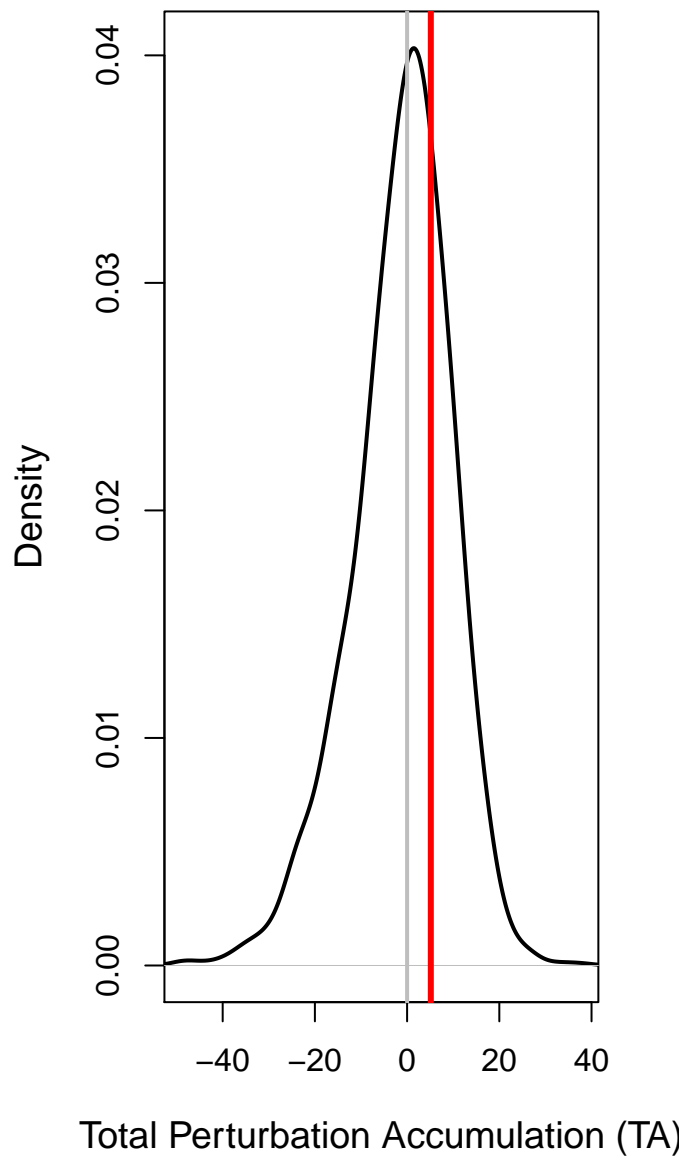
pathway ID=04923 P PERT=0.756



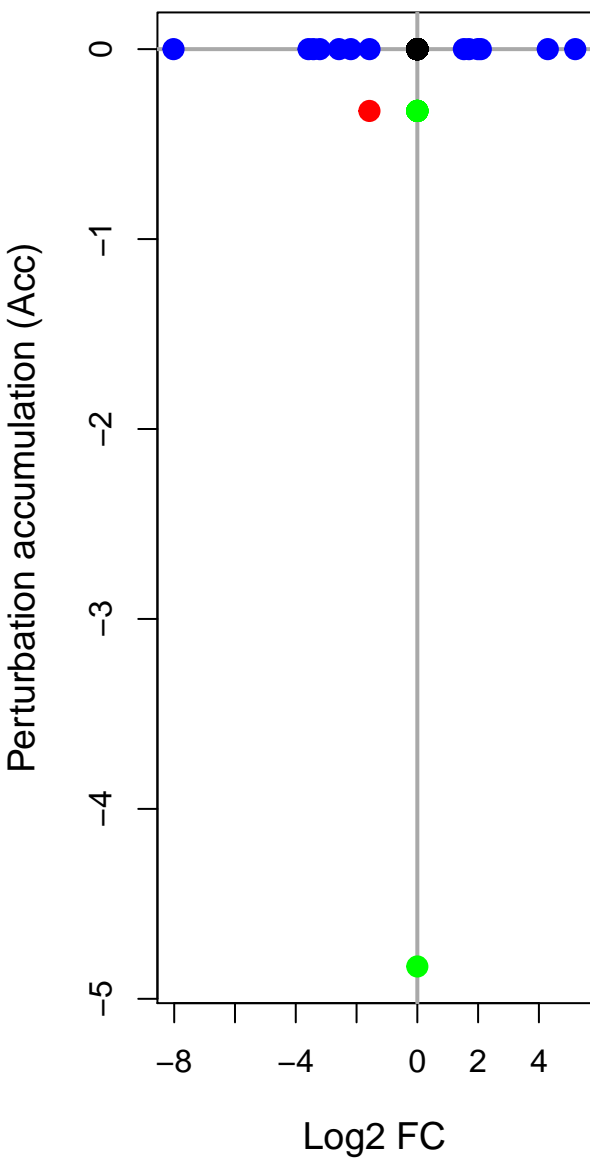
pathway ID=04924



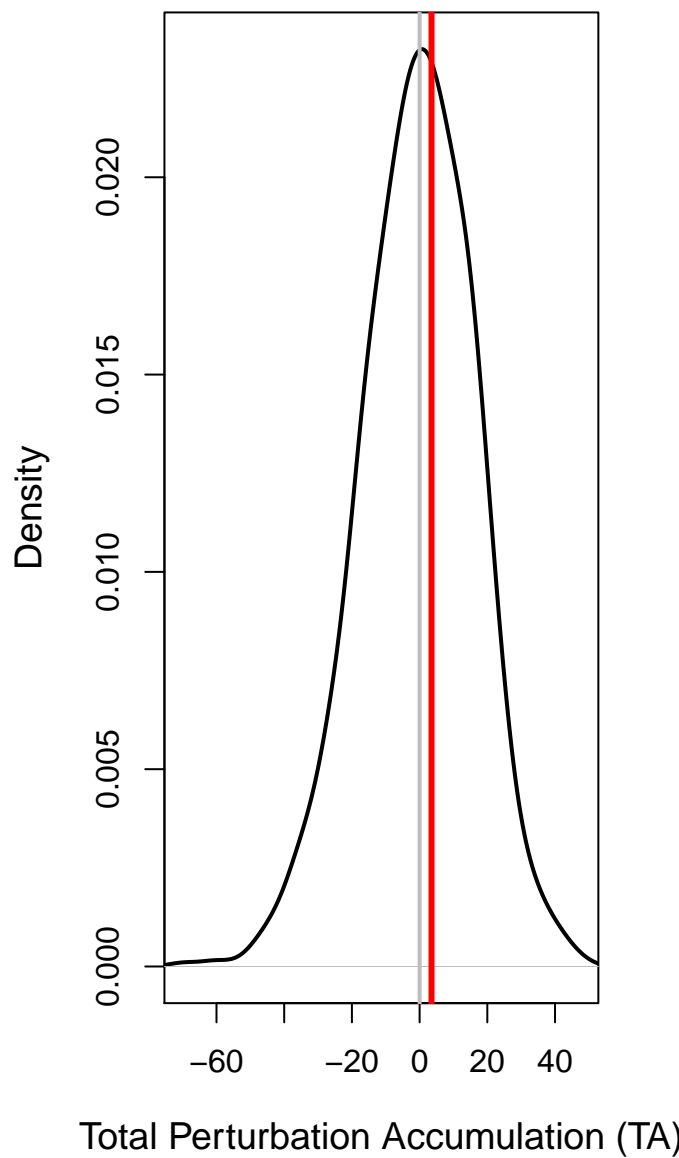
pathway ID=04924 P PERT=0.555



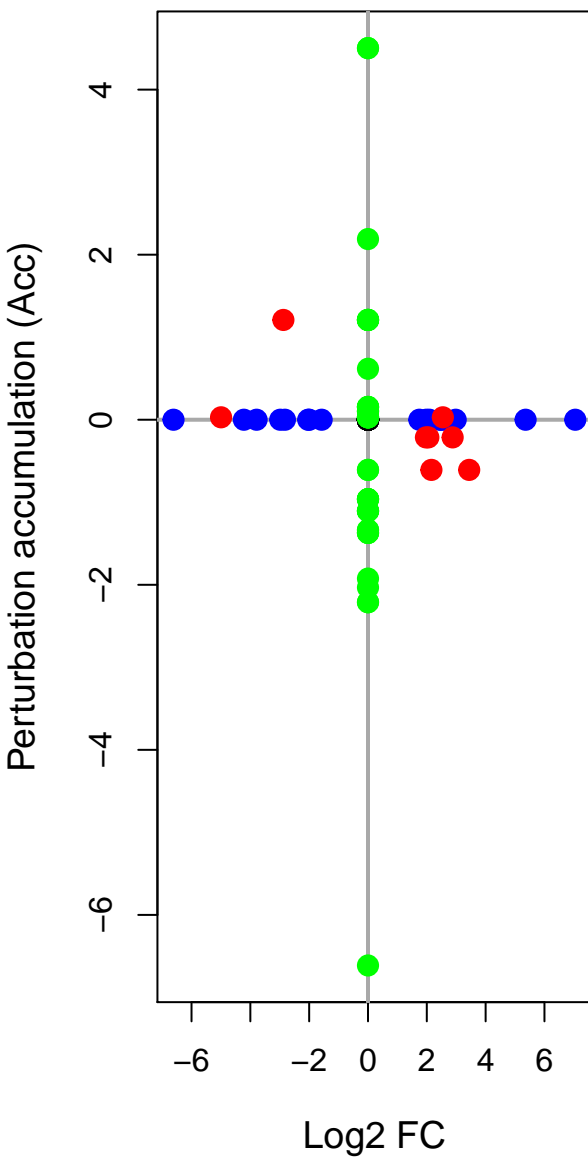
pathway ID=04925



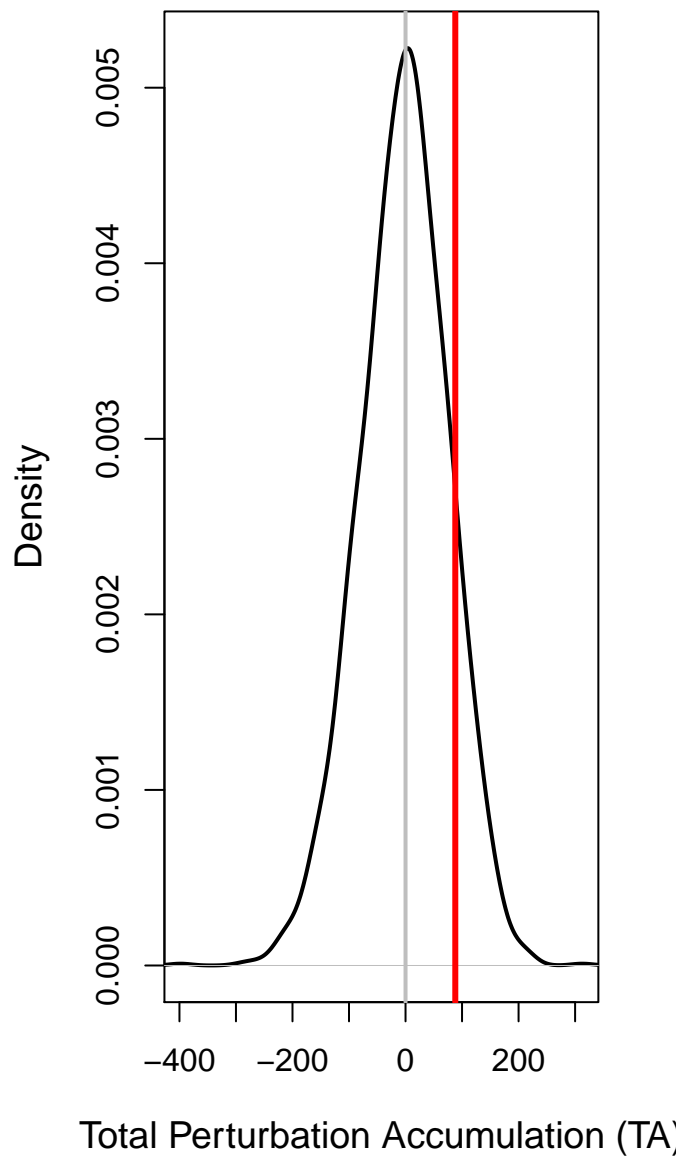
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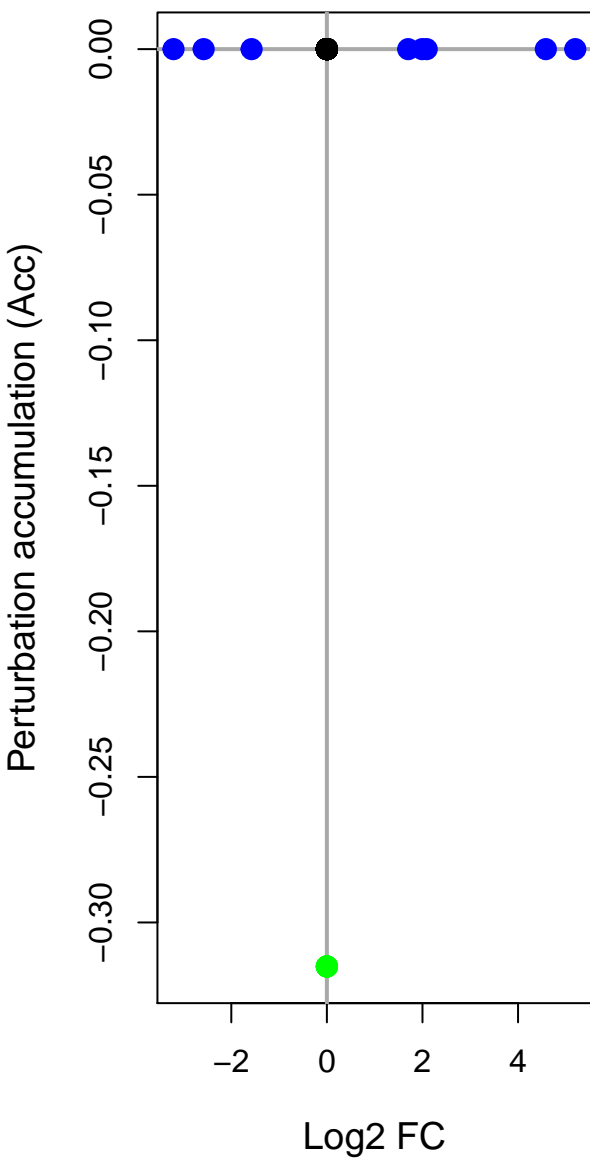
pathway ID=04926



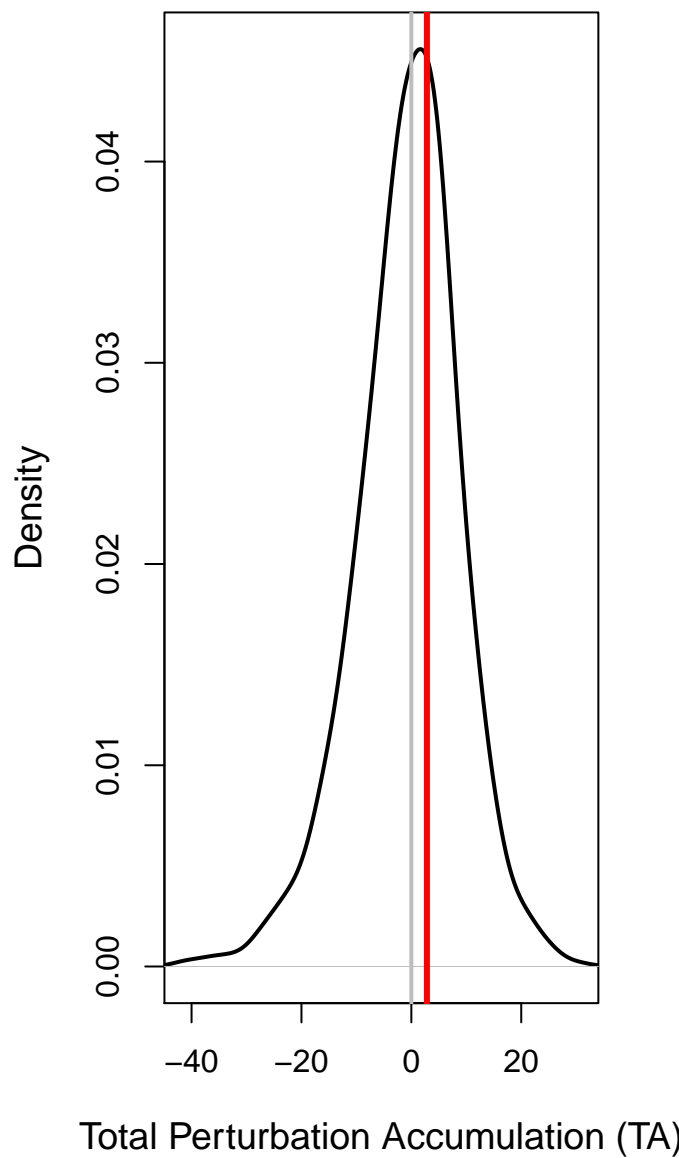
pathway ID=04926 P PERT=0.233



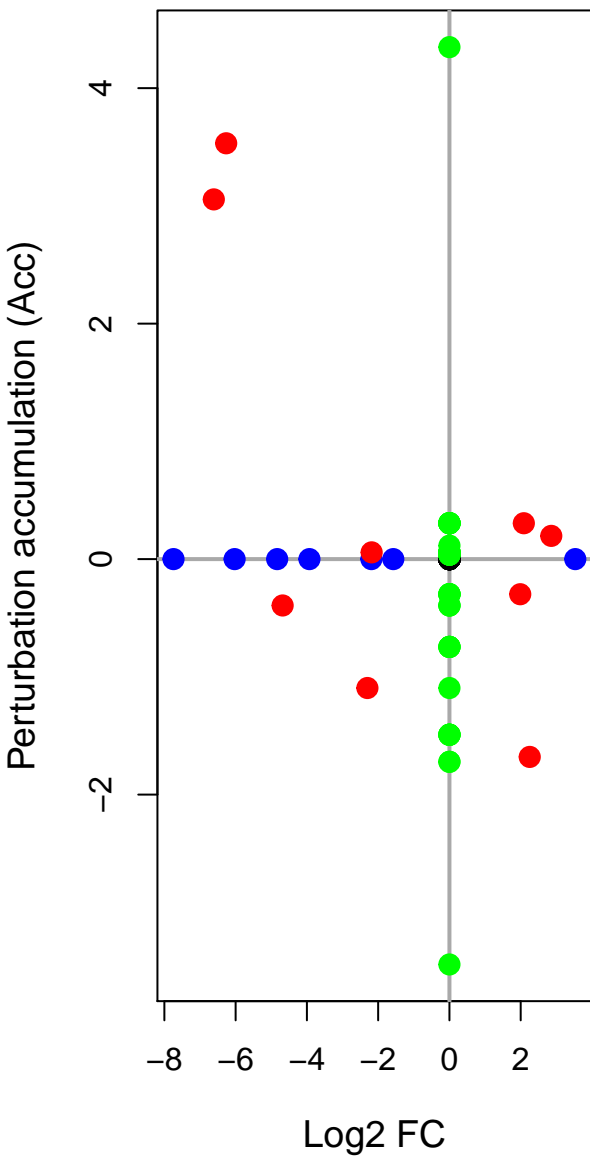
pathway ID=04927



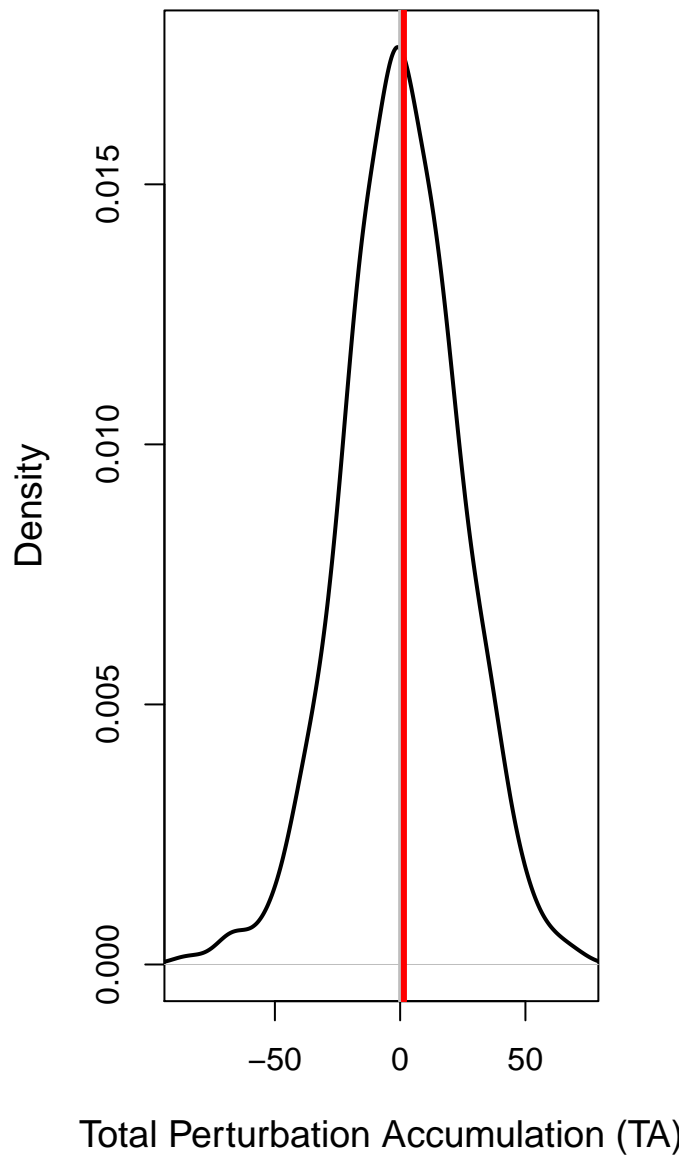
pathway ID=04927 P PERT=0.733



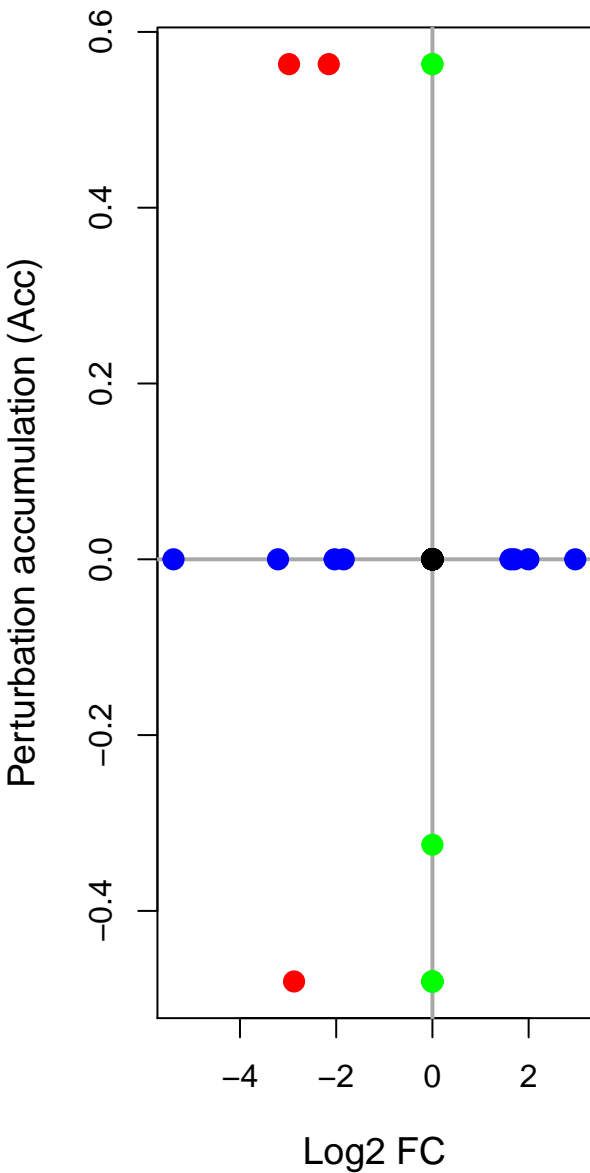
pathway ID=04928



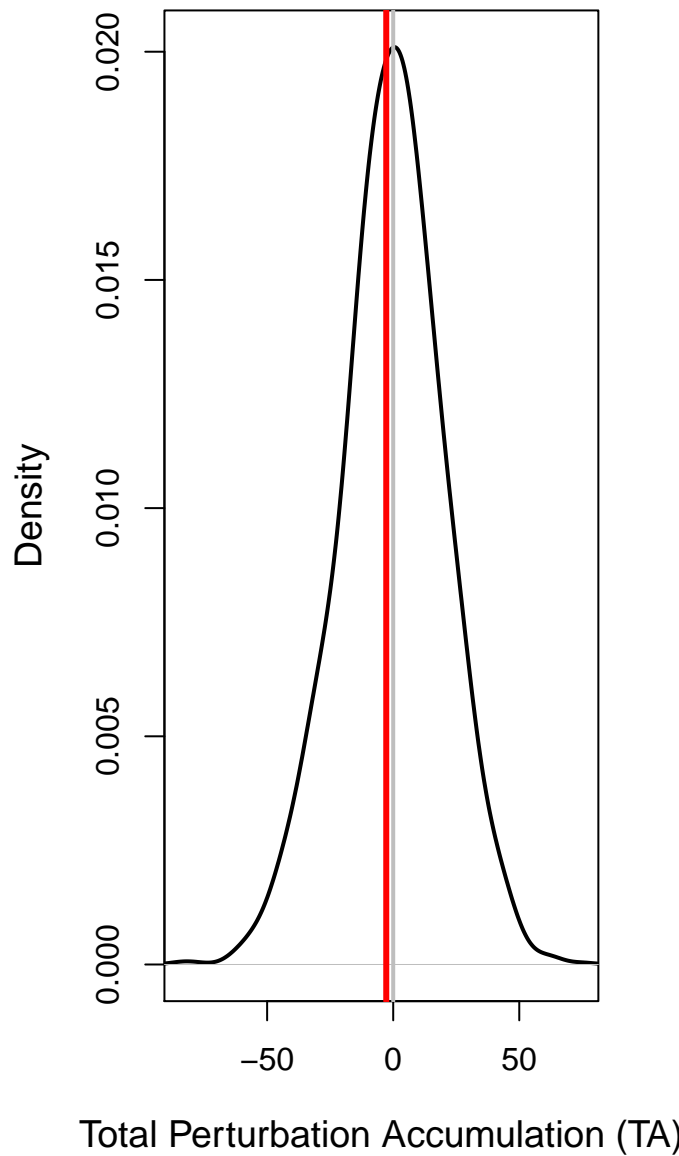
pathway ID=04928 P PERT=0.944



pathway ID=04930

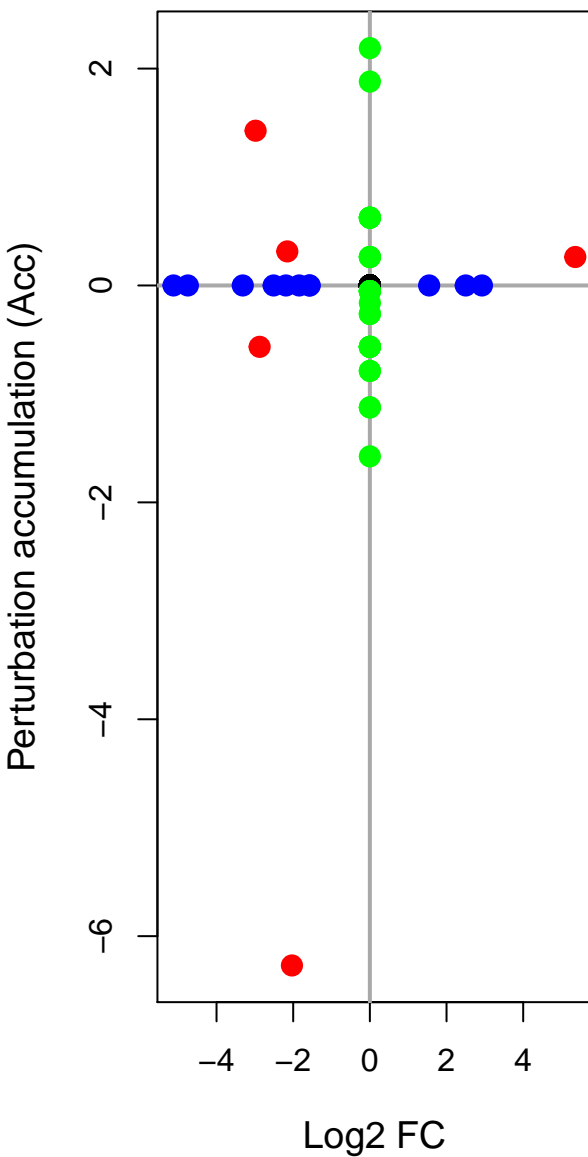


pathway ID=04930 P PERT=0.897

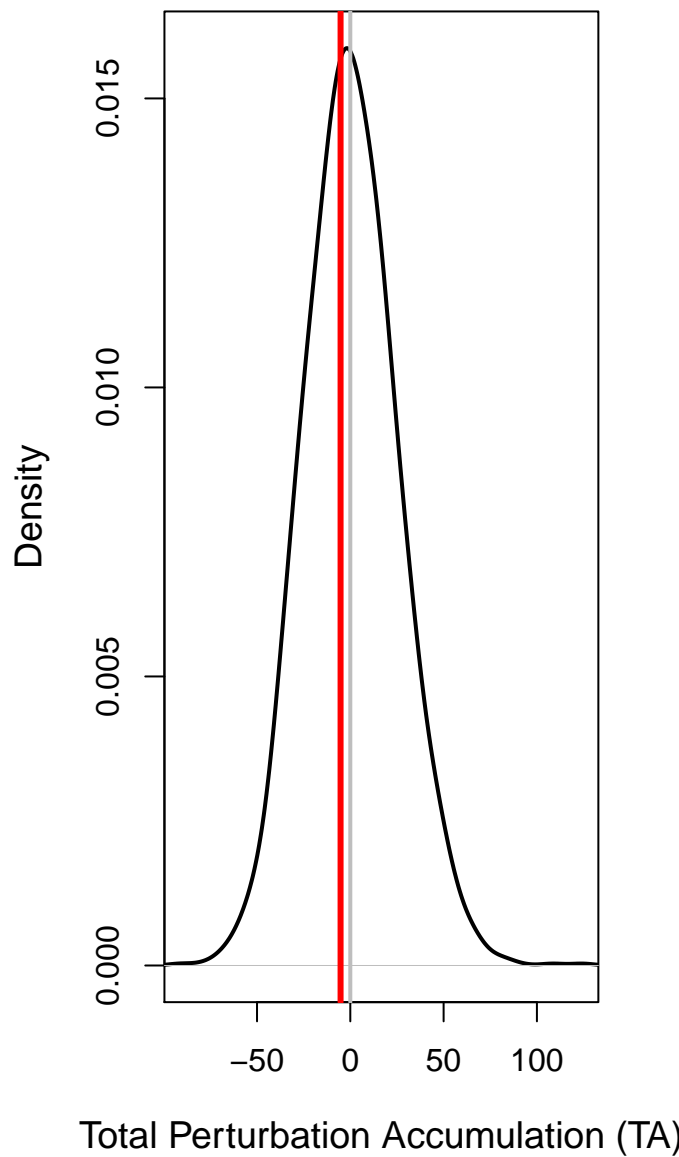




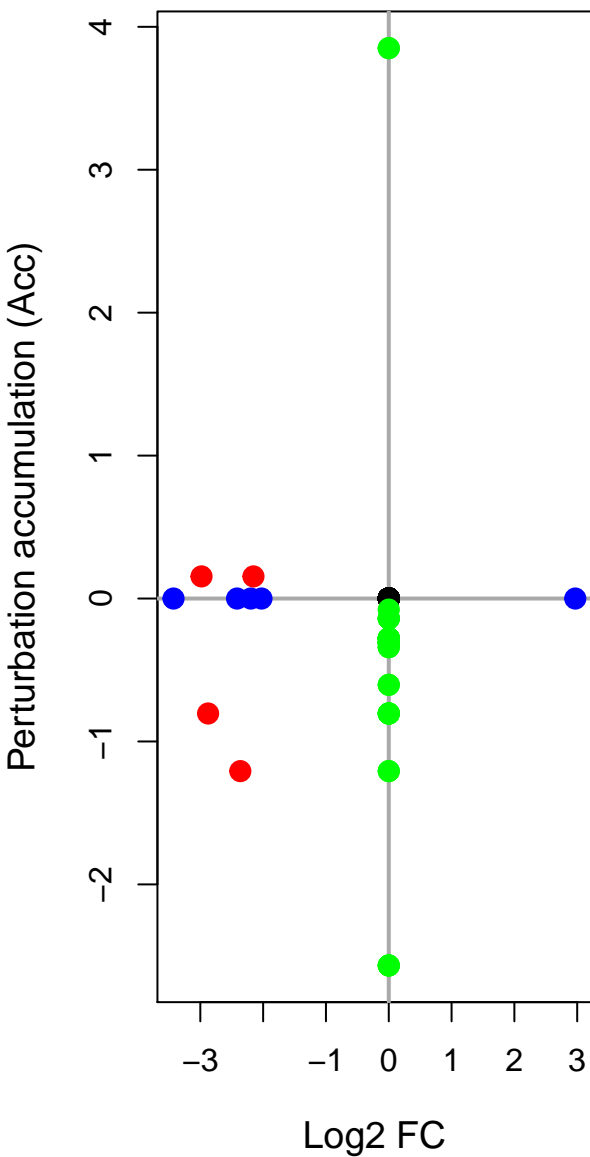
pathway ID=04931



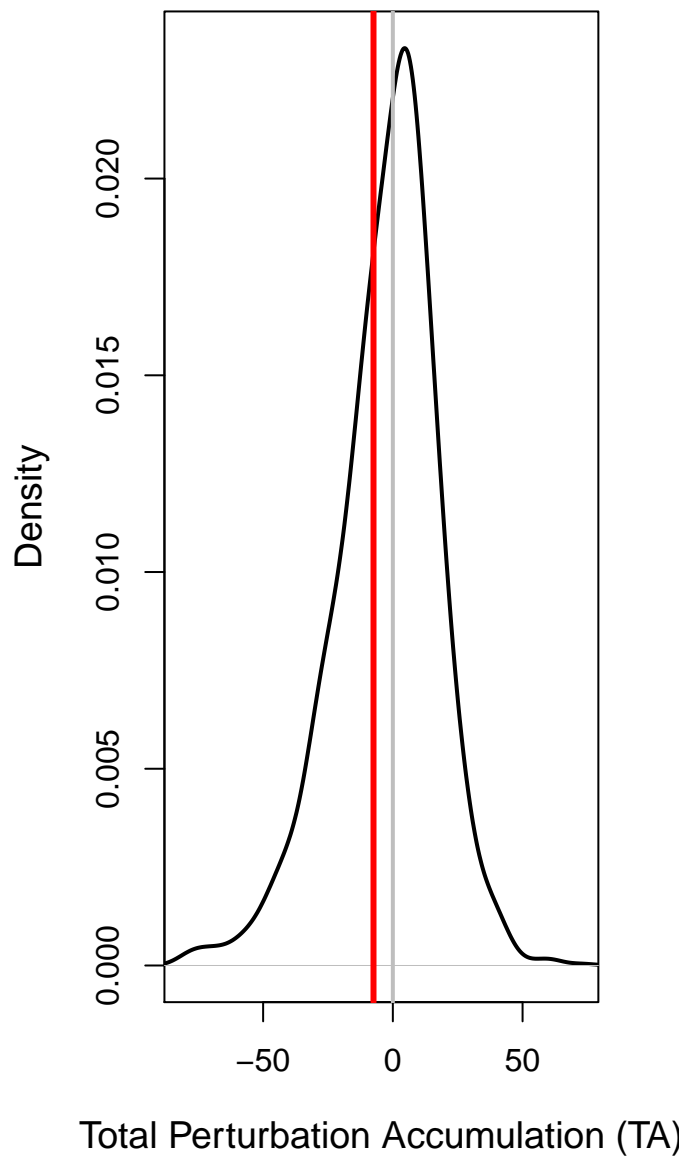
pathway ID=04931 P PERT=0.839



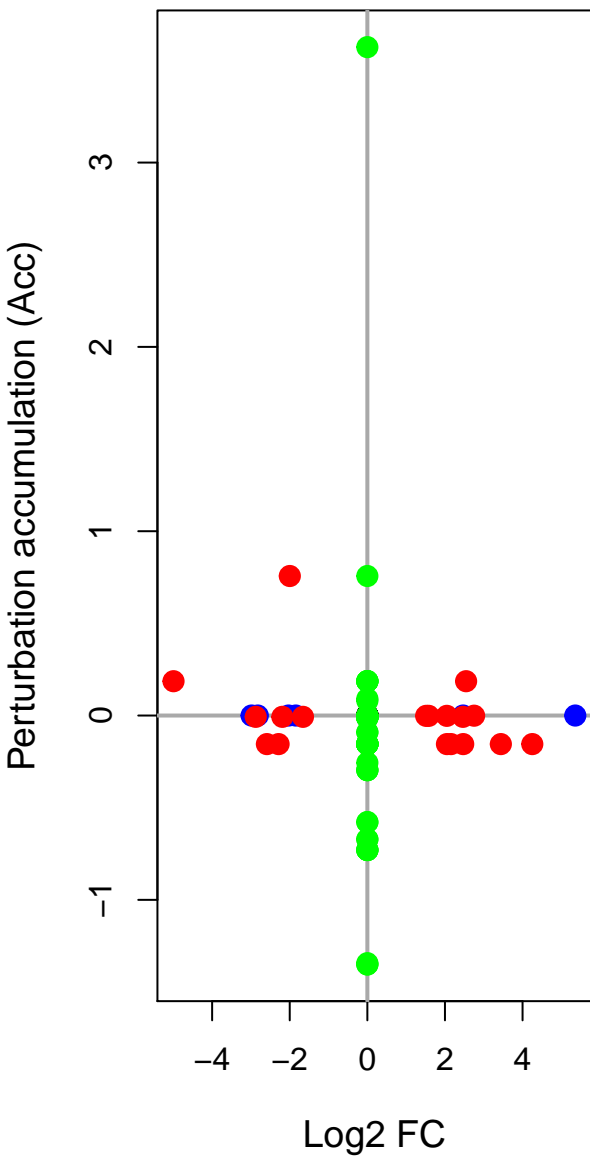
pathway ID=04932



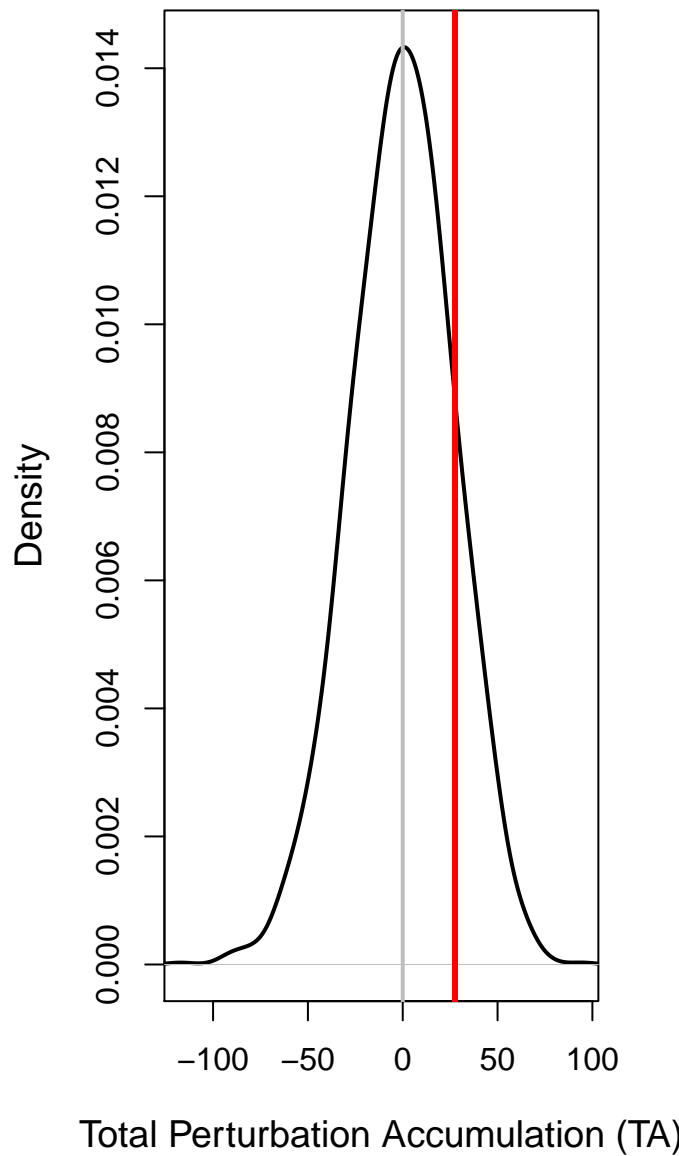
pathway ID=04932 P PERT=0.7



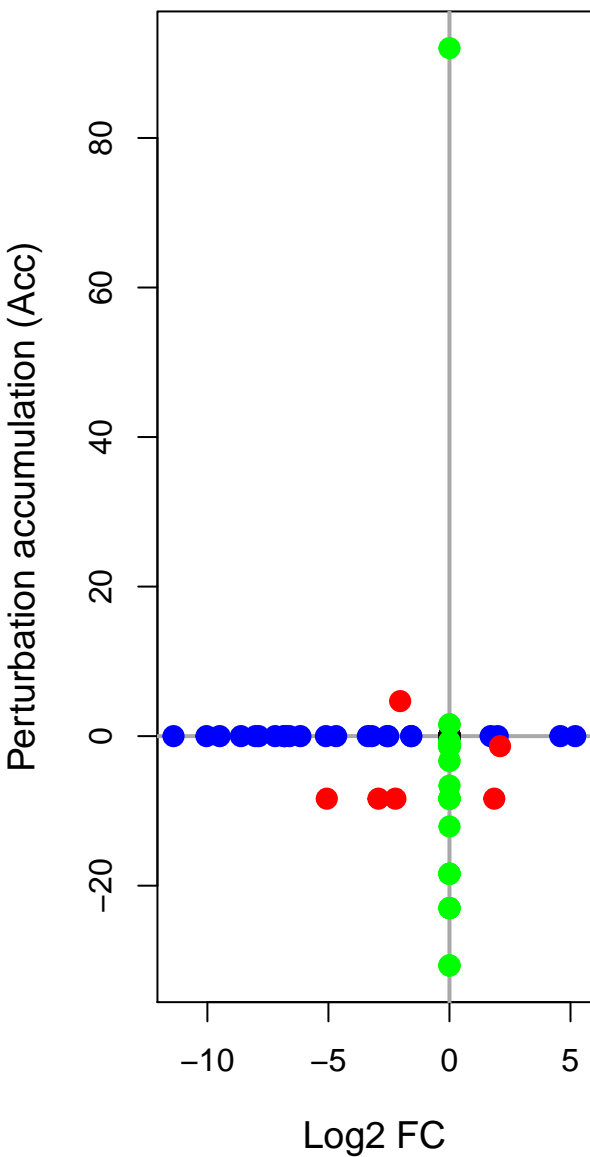
pathway ID=04933



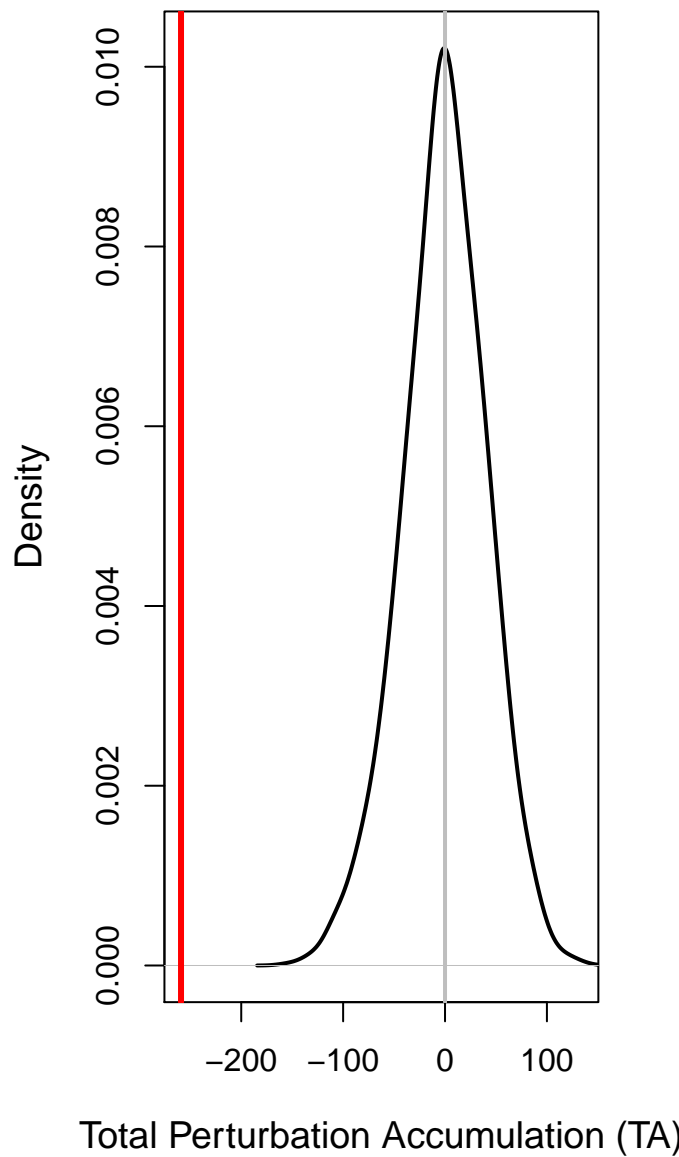
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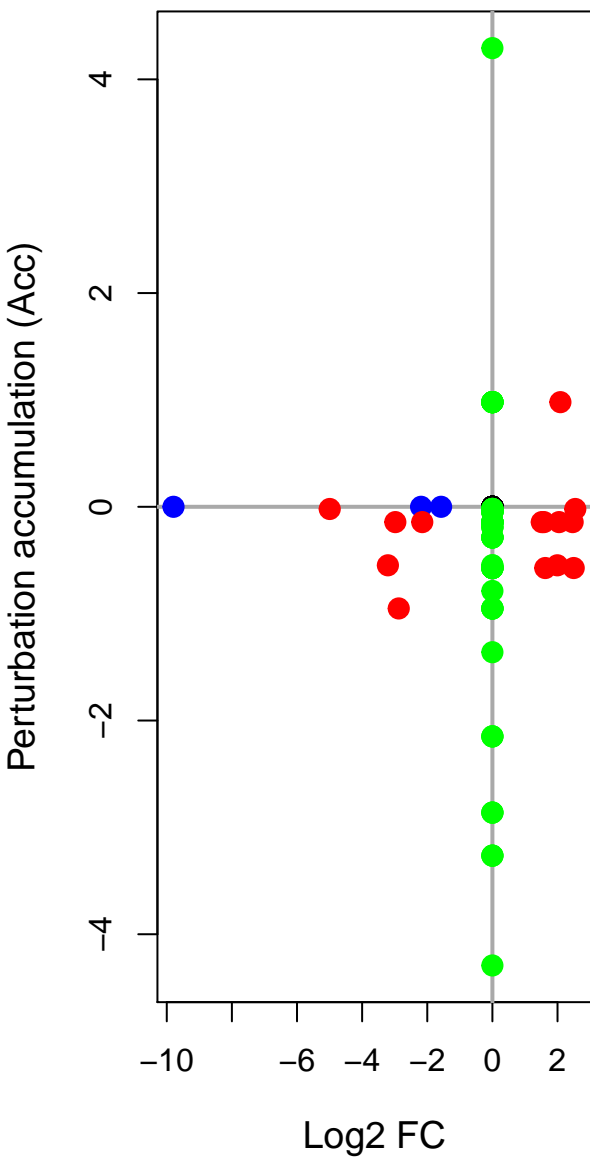
pathway ID=04934



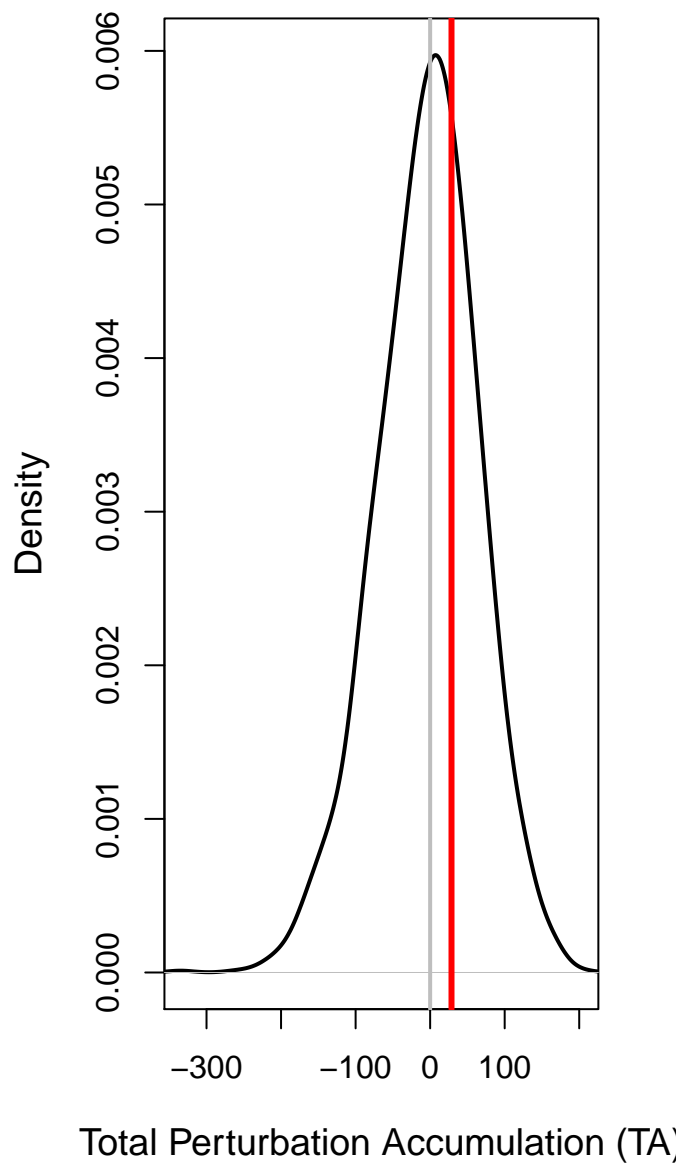
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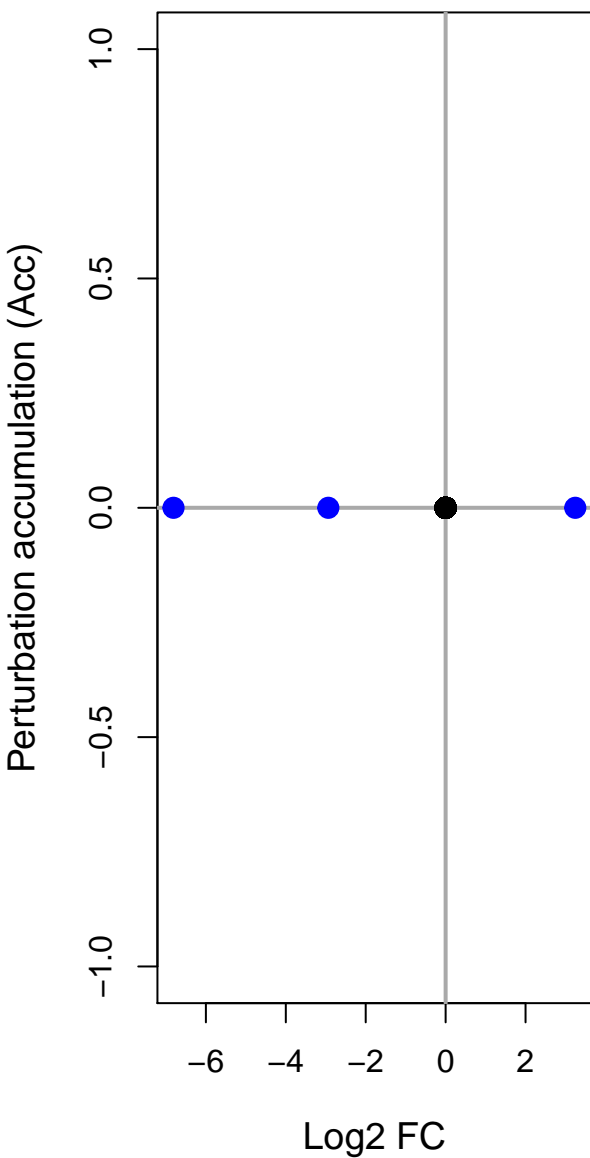
pathway ID=04935



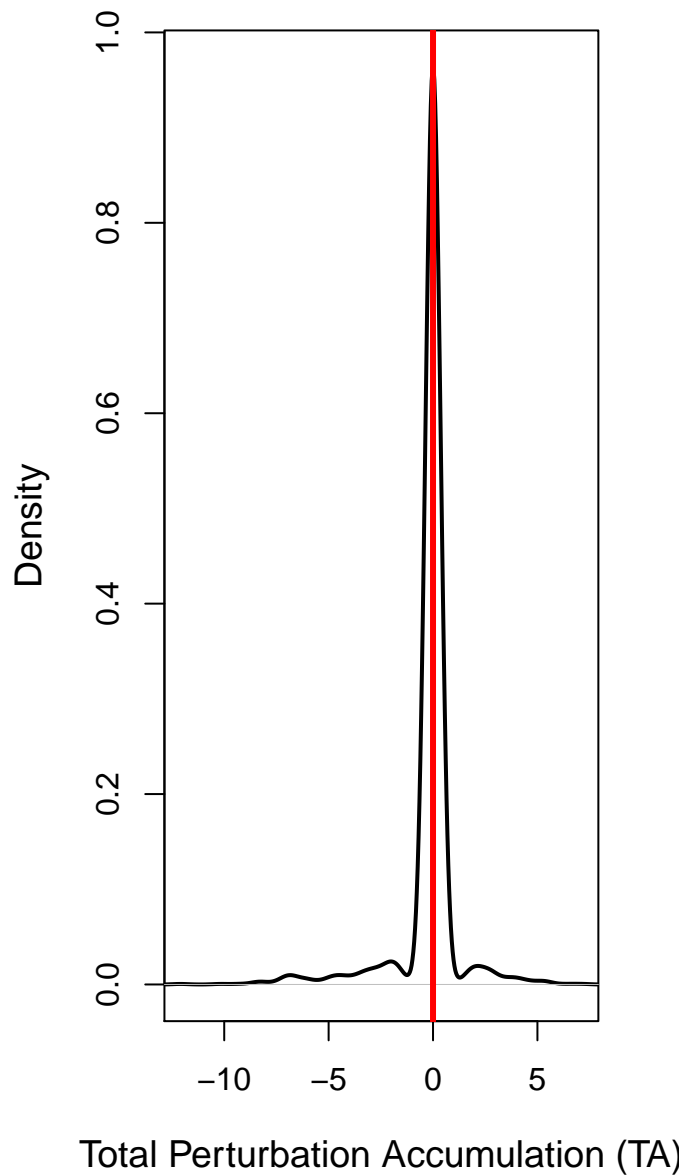
pathway ID=04935 P PERT=0.647



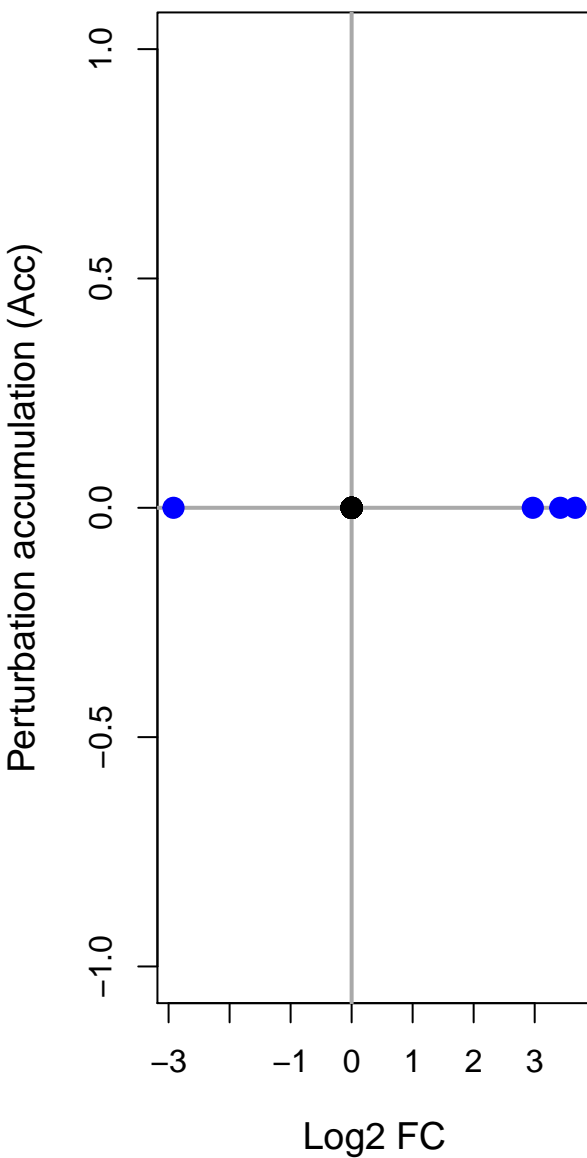
pathway ID=04940



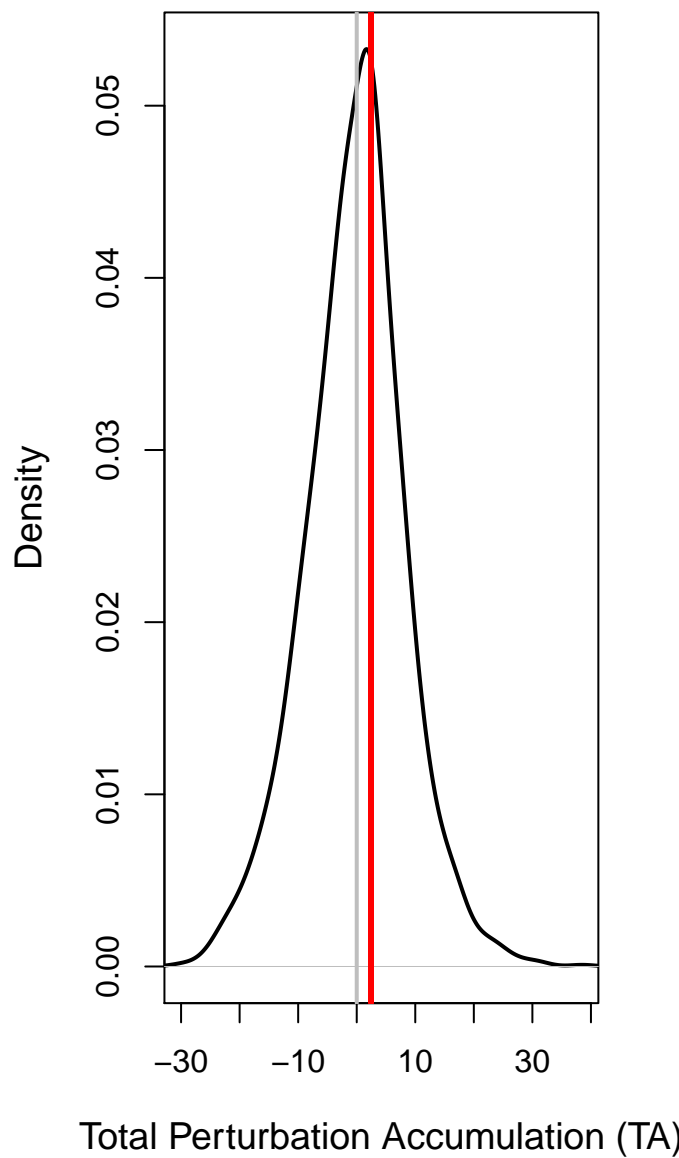
pathway ID=04940 P PERT=1



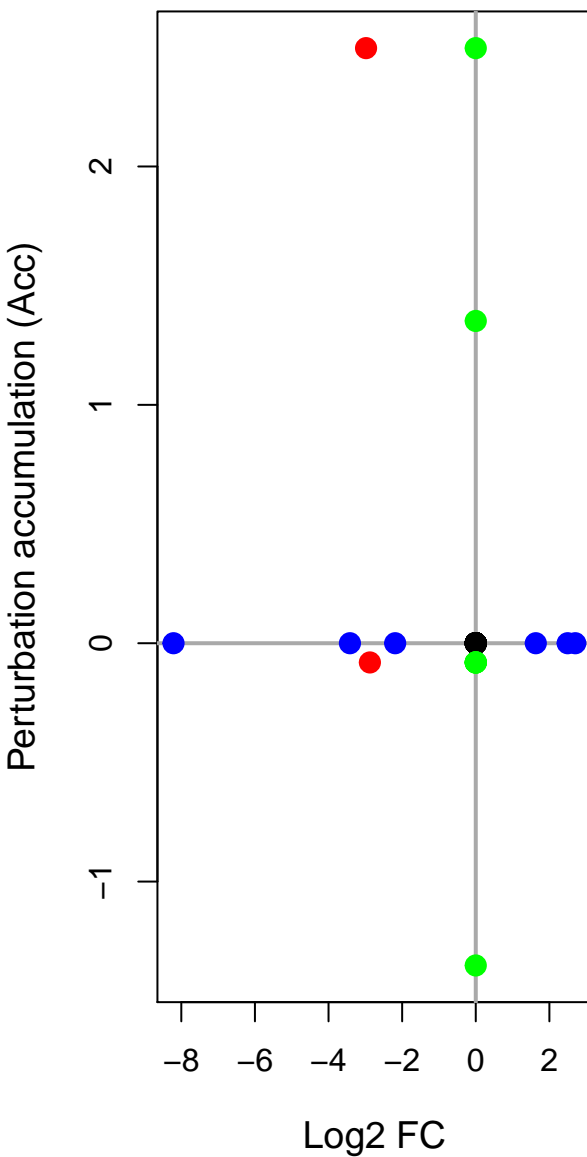
pathway ID=04950



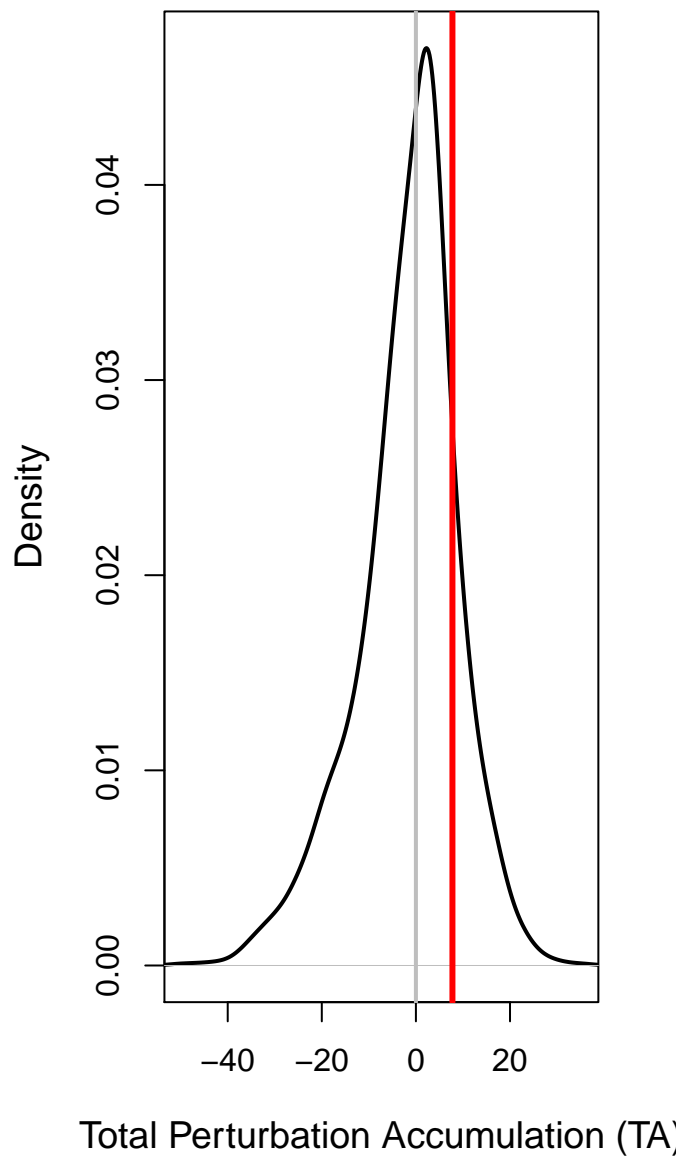
pathway ID=04950 P PERT=0.848



pathway ID=04960

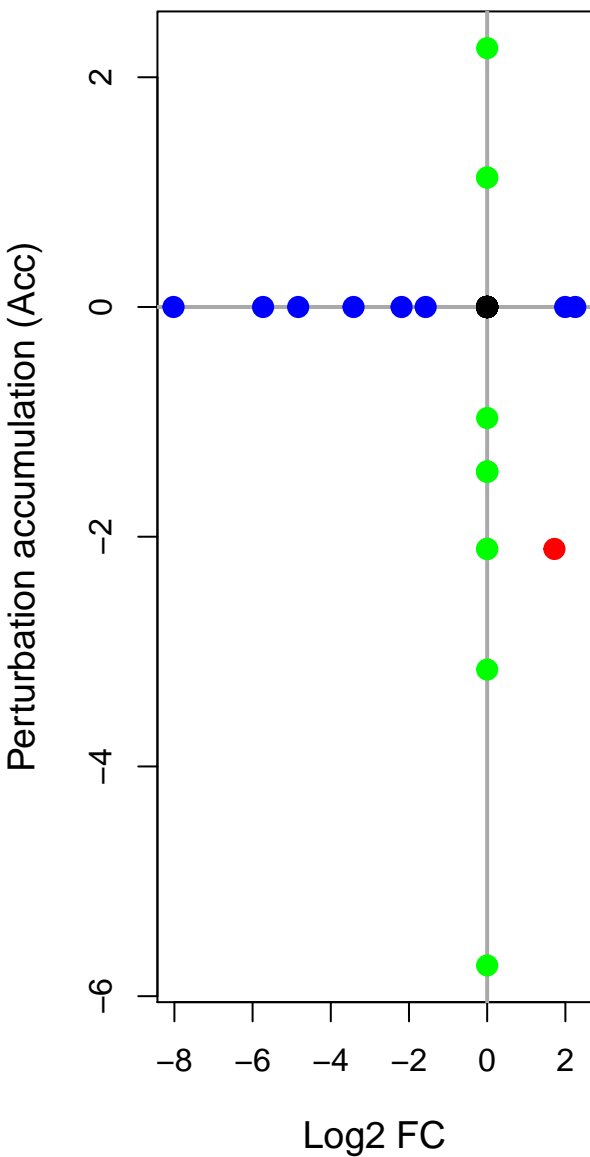


pathway ID=04960 P PERT=0.315

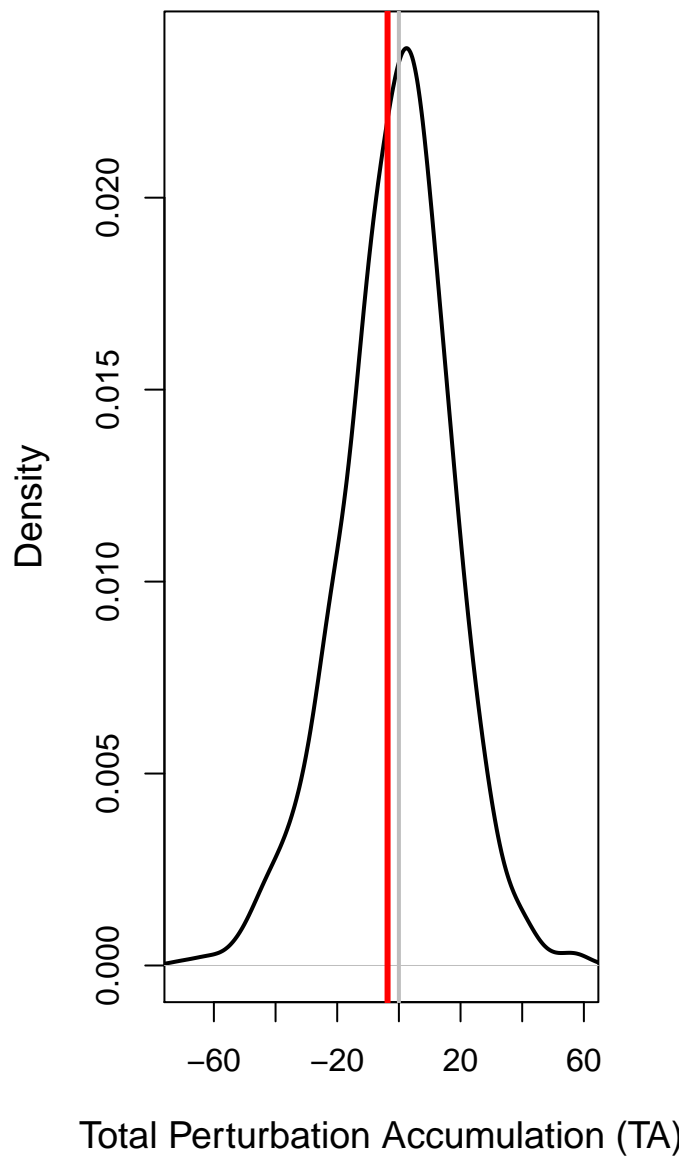




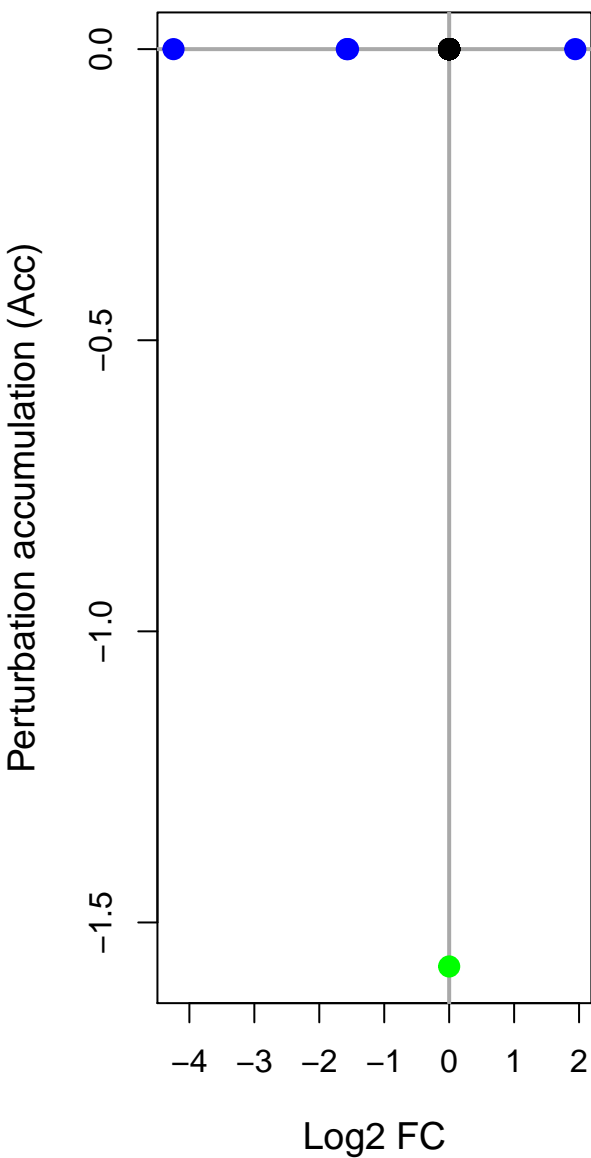
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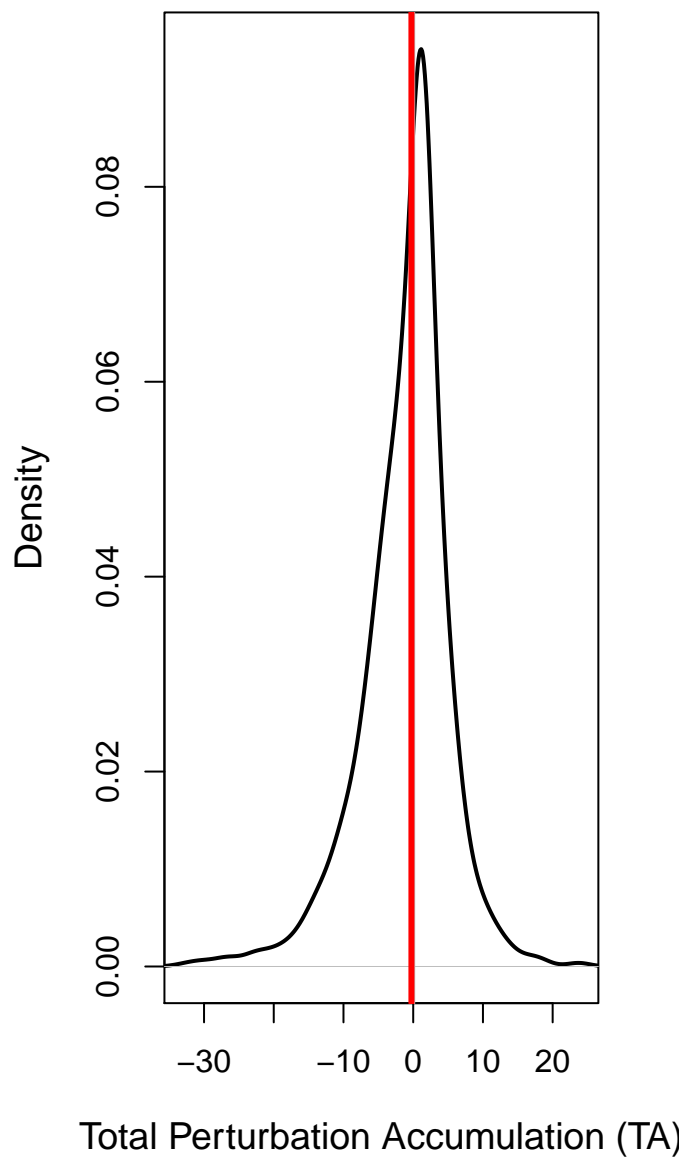
pathway ID=04961 P PERT=0.828



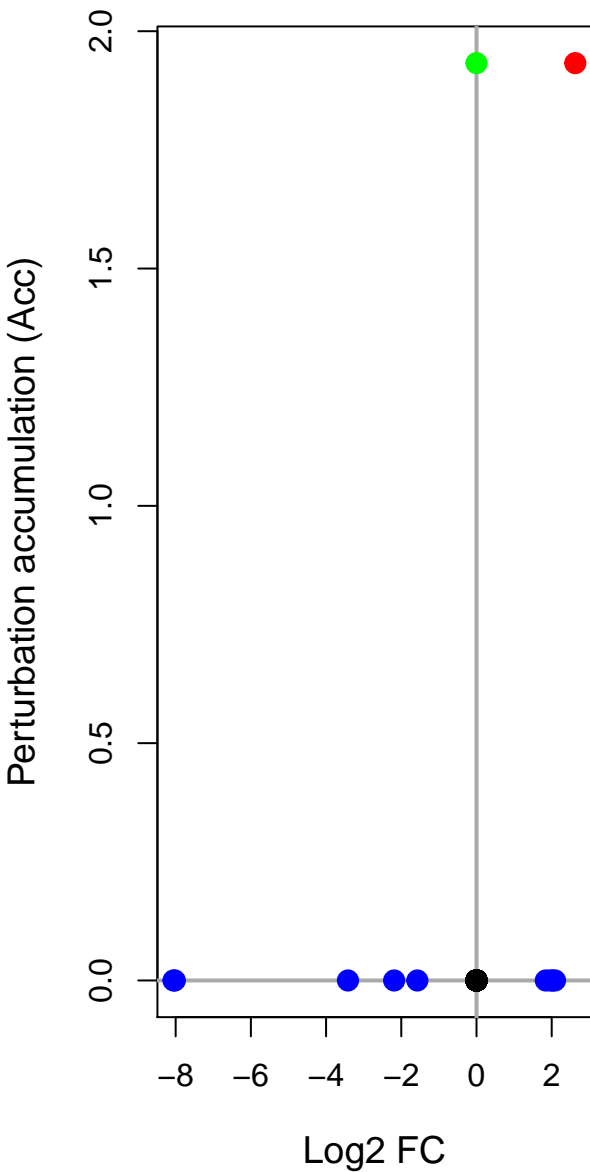
pathway ID=04962



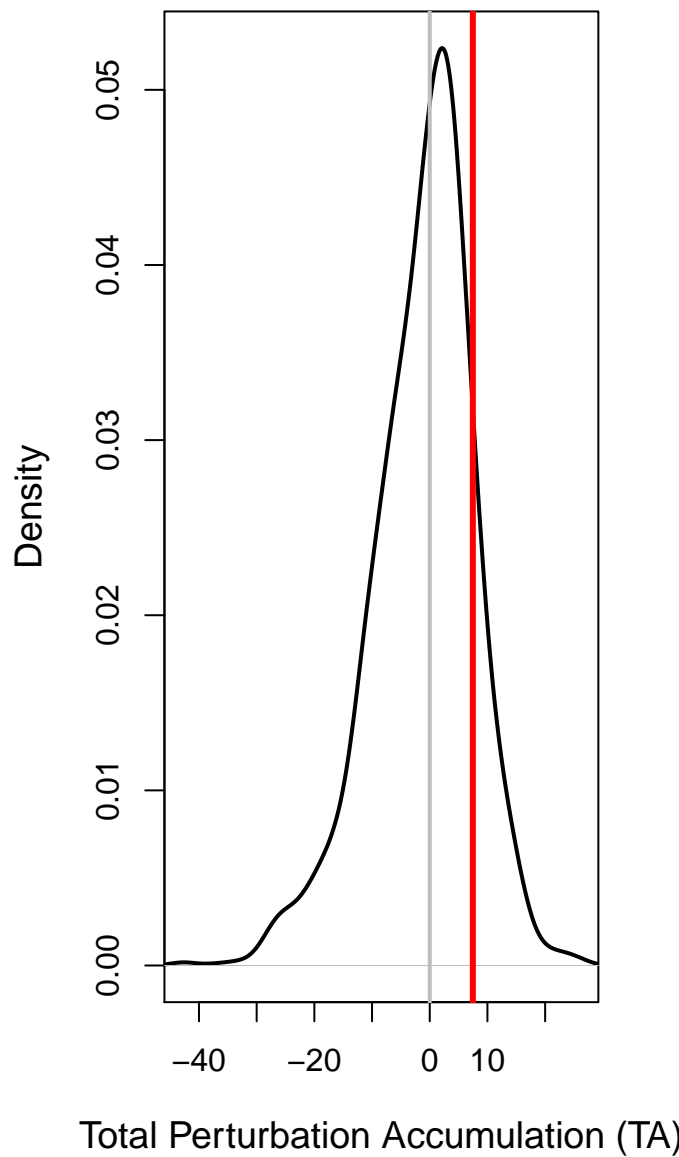
pathway ID=04962 P PERT=0.973



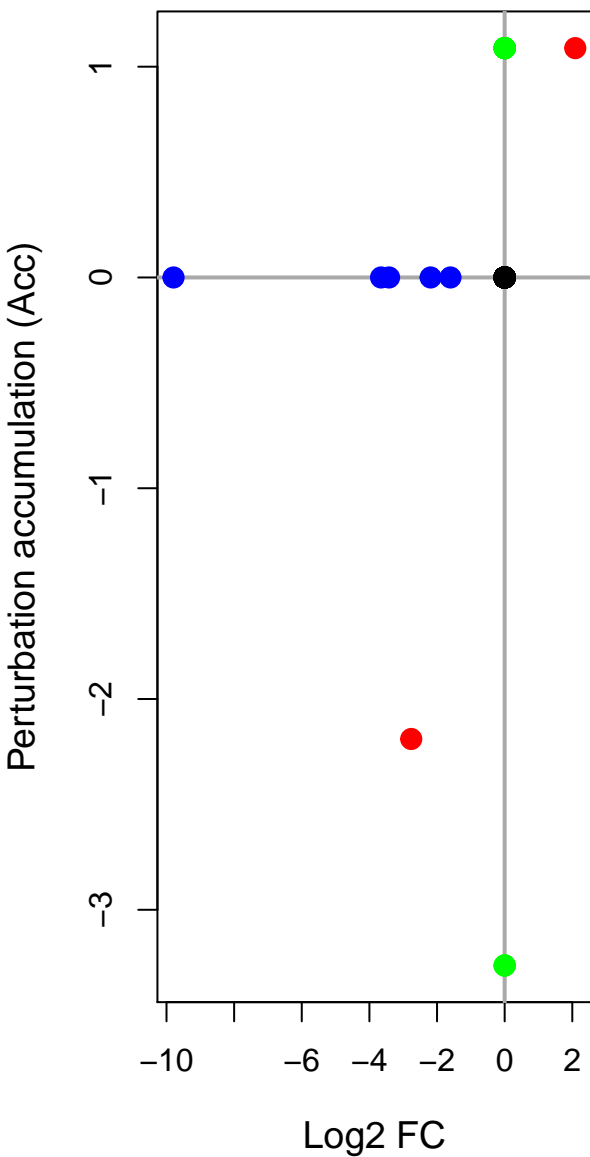
pathway ID=04970



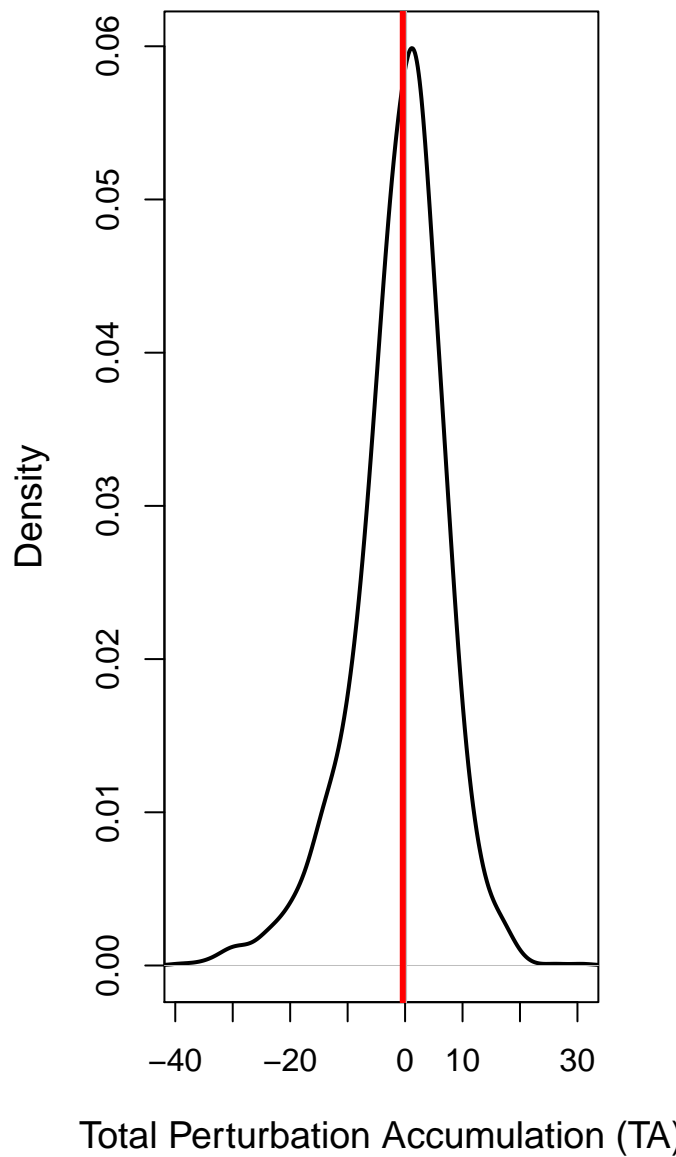
pathway ID=04970 P PERT=0.265



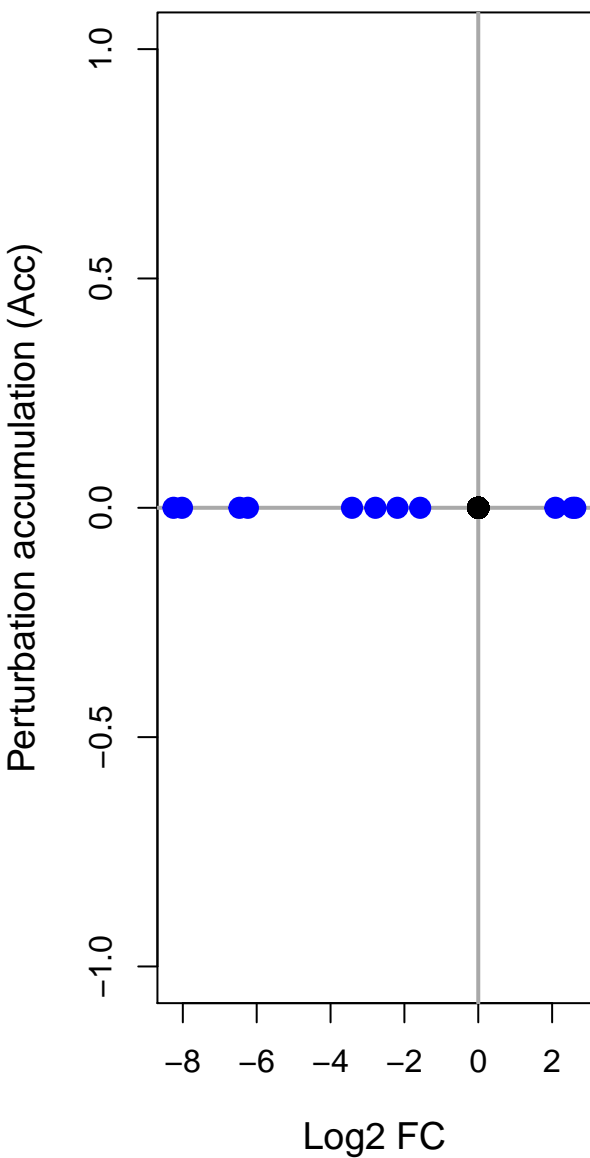
pathway ID=04971



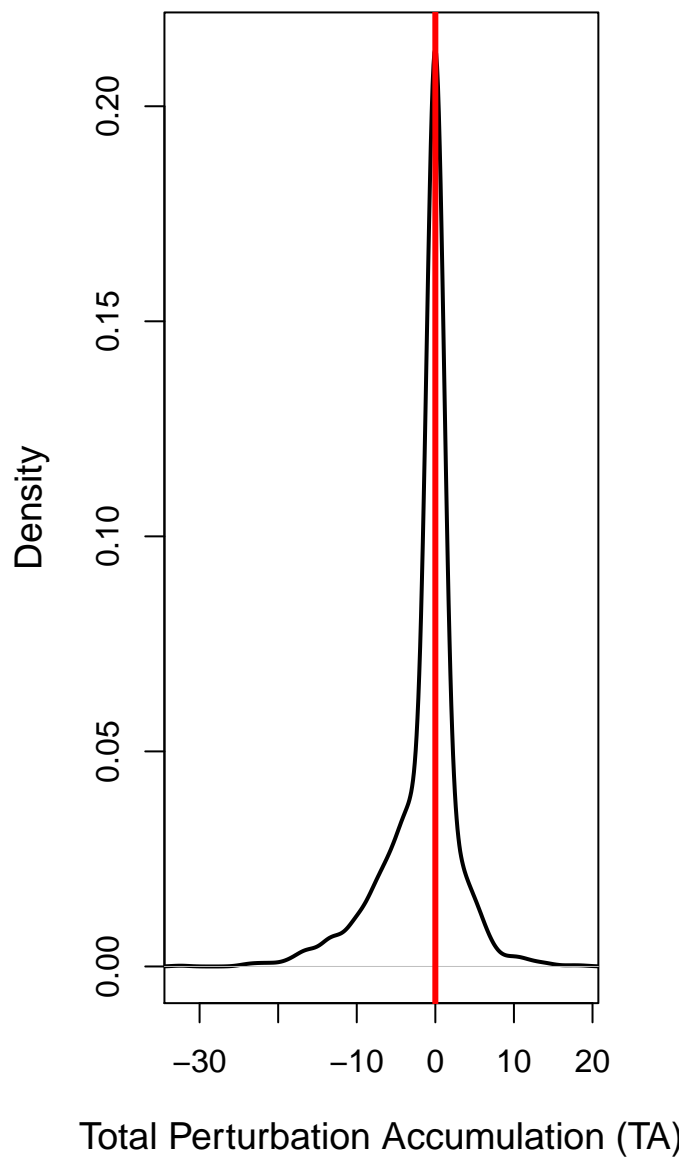
pathway ID=04971 P PERT=0.951



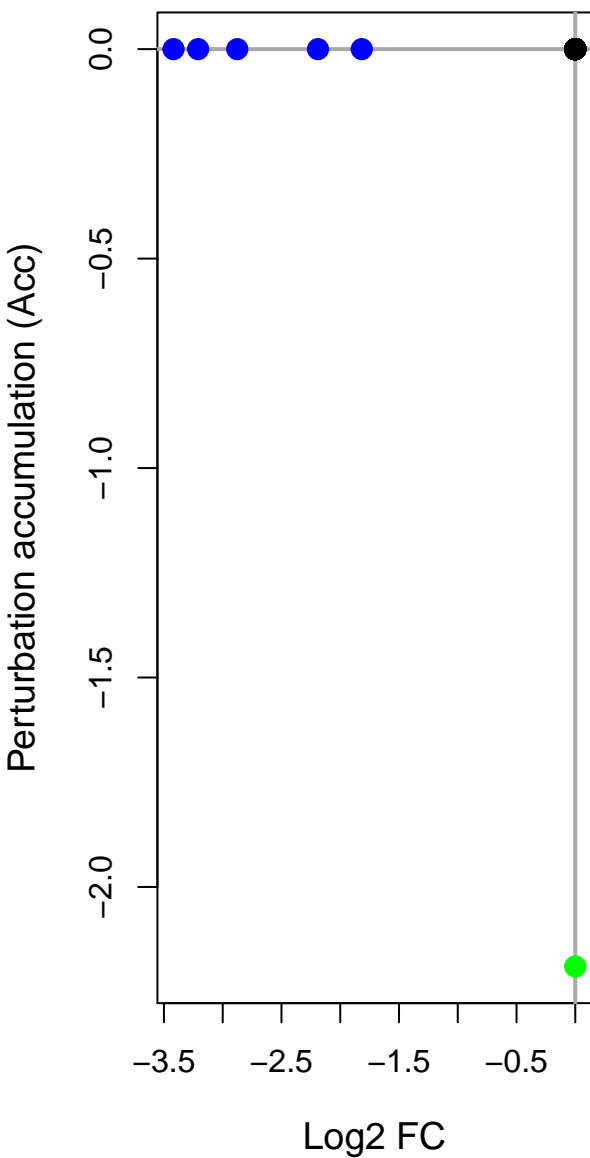
pathway ID=04972



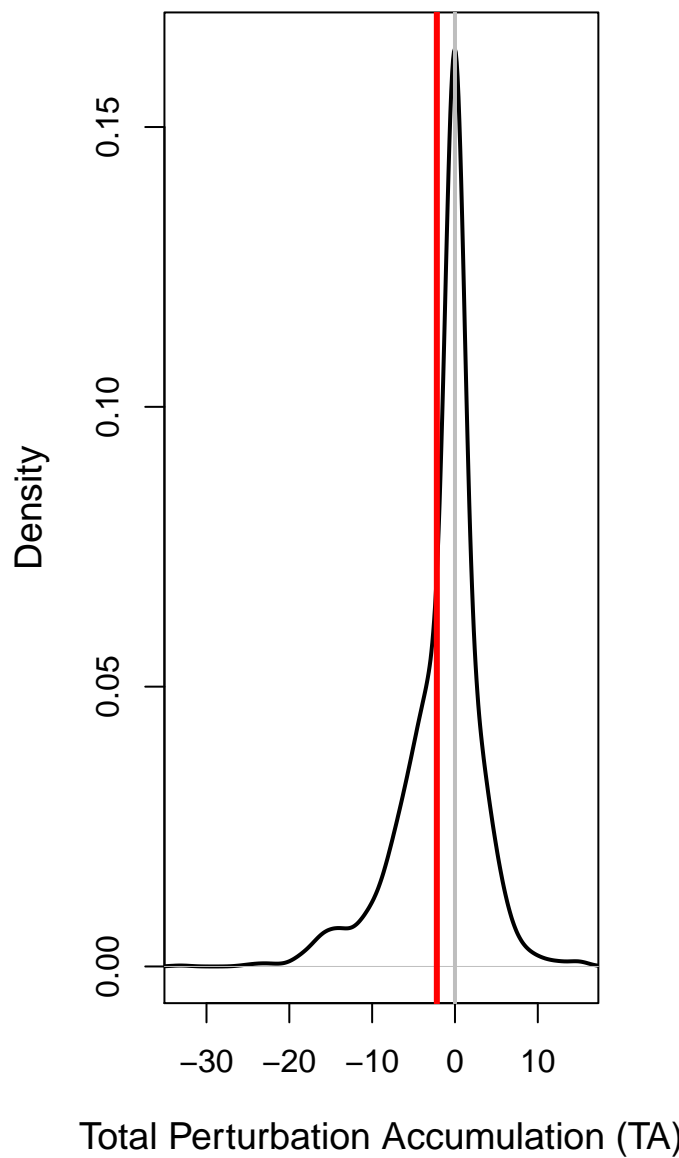
pathway ID=04972 P PERT=1



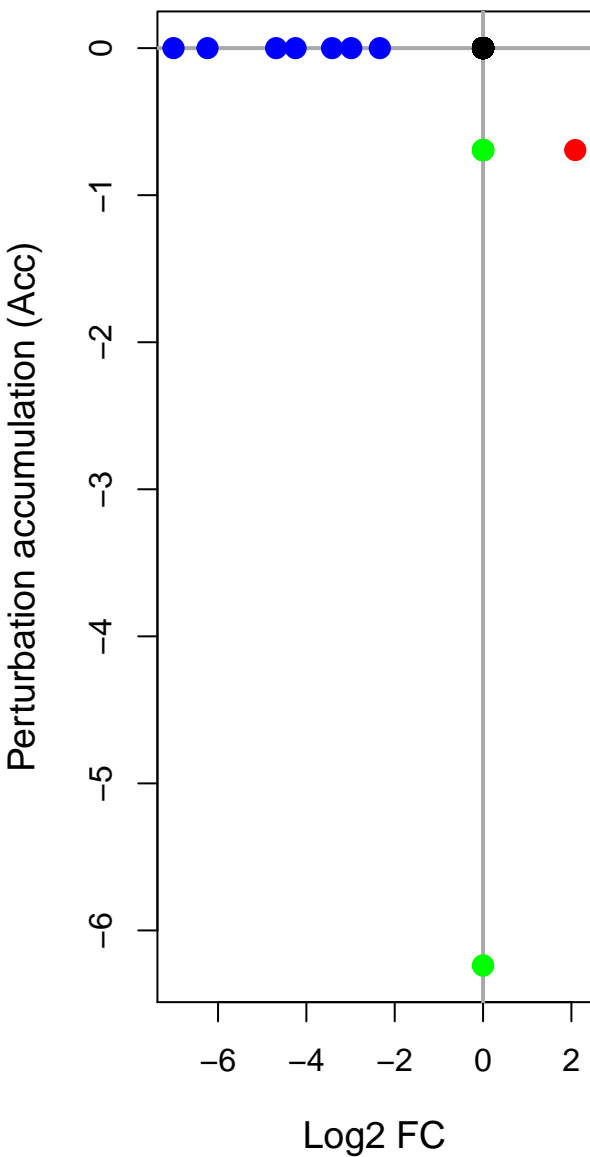
pathway ID=04973



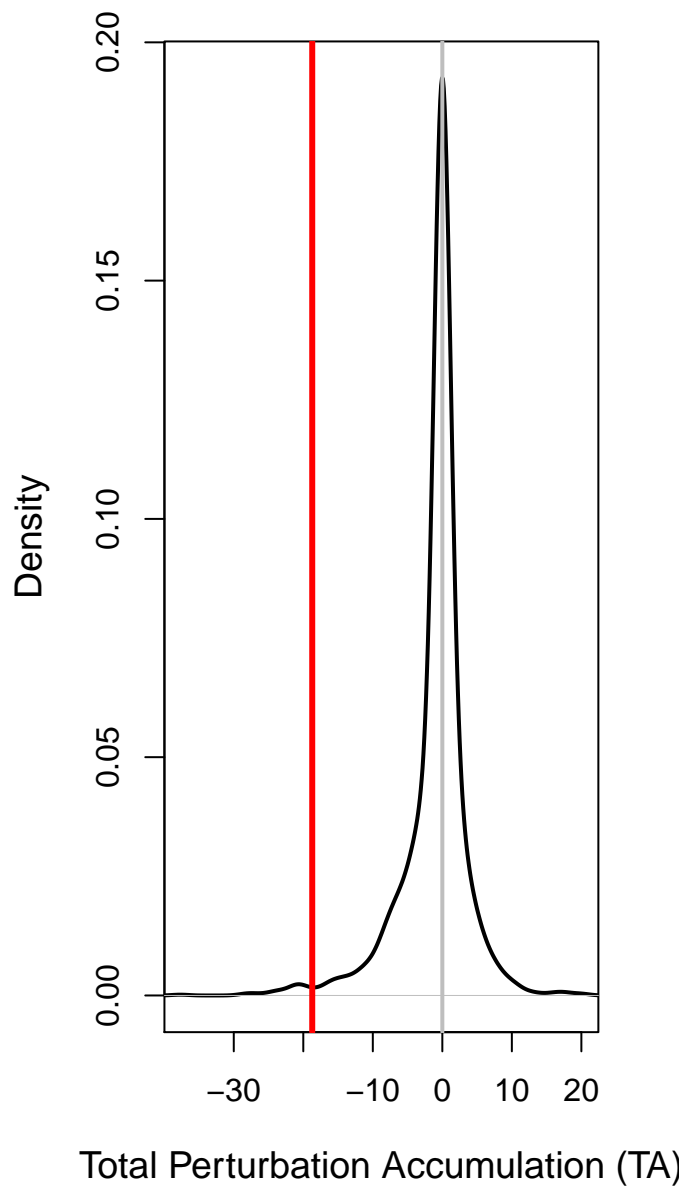
pathway ID=04973 P PERT=0.621



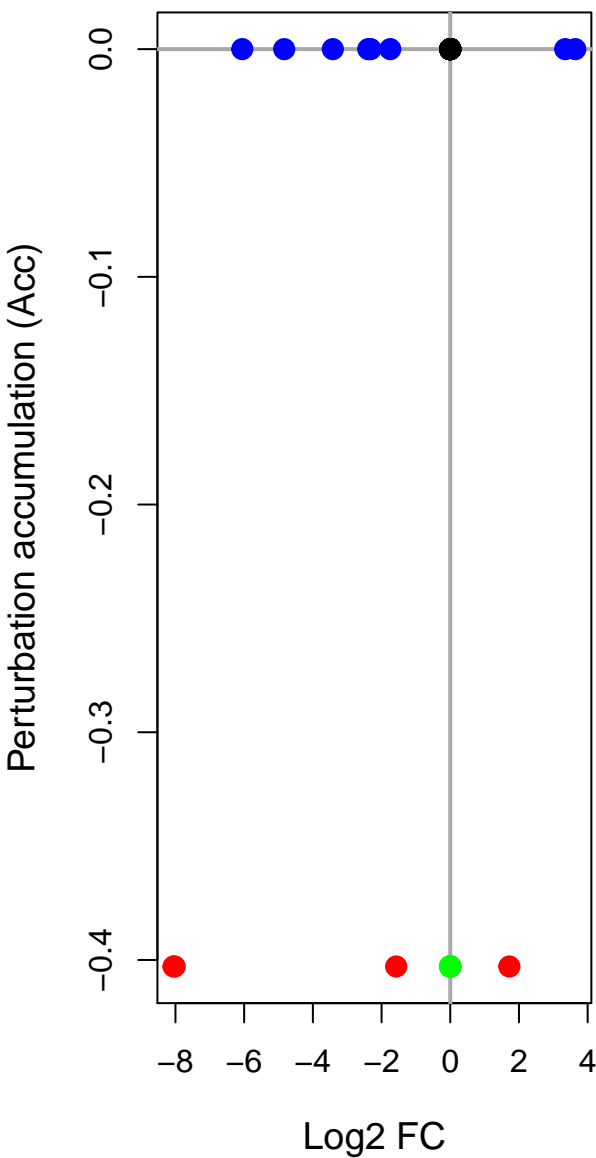
pathway ID=04976



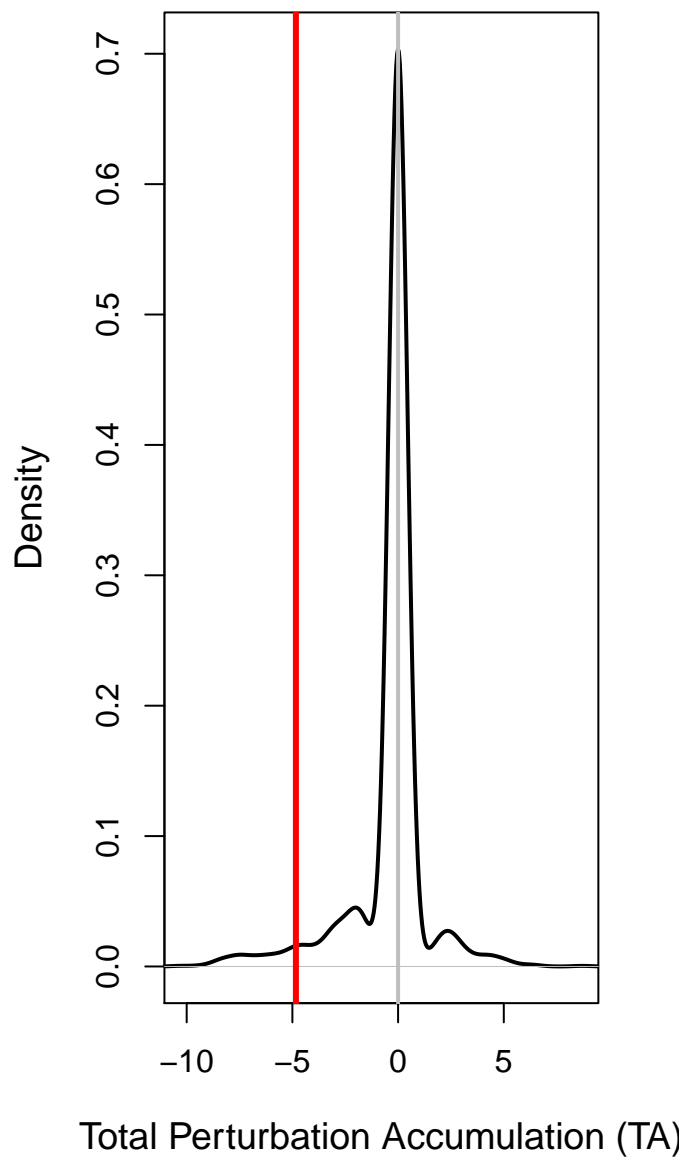
pathway ID=04976 P PERT=0.026



pathway ID=04978

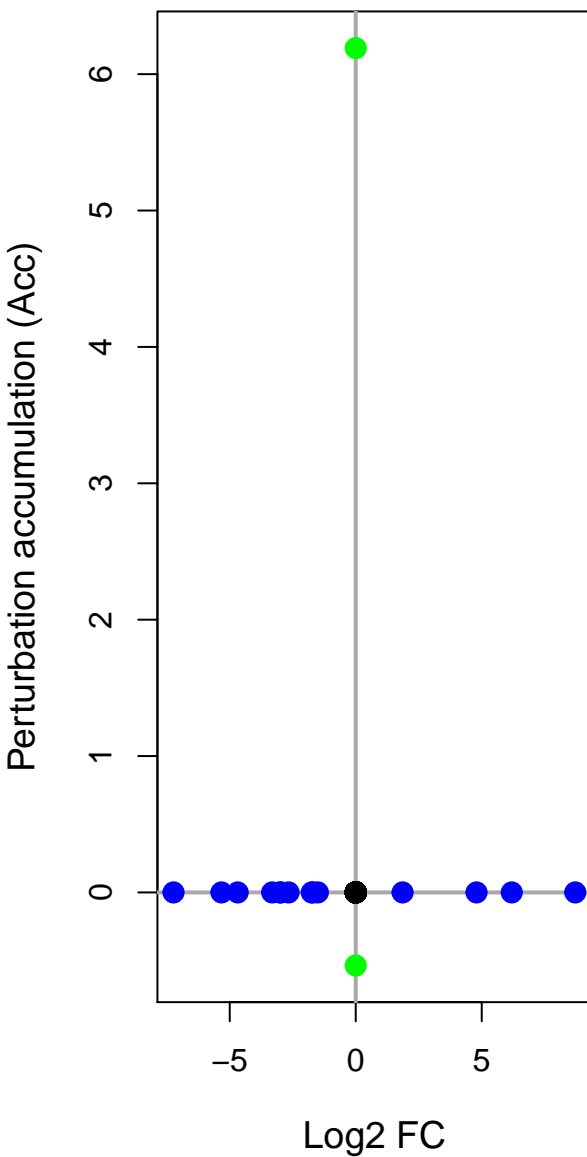


pathway ID=04978 P PERT=0.075

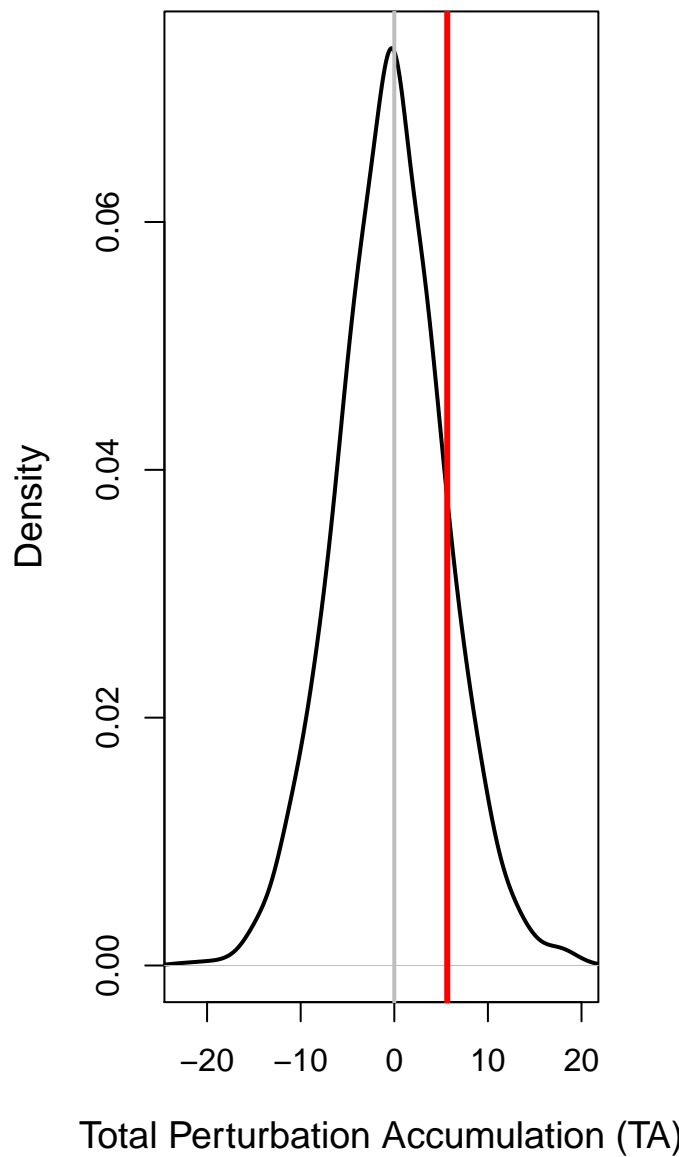




pathway ID=04979



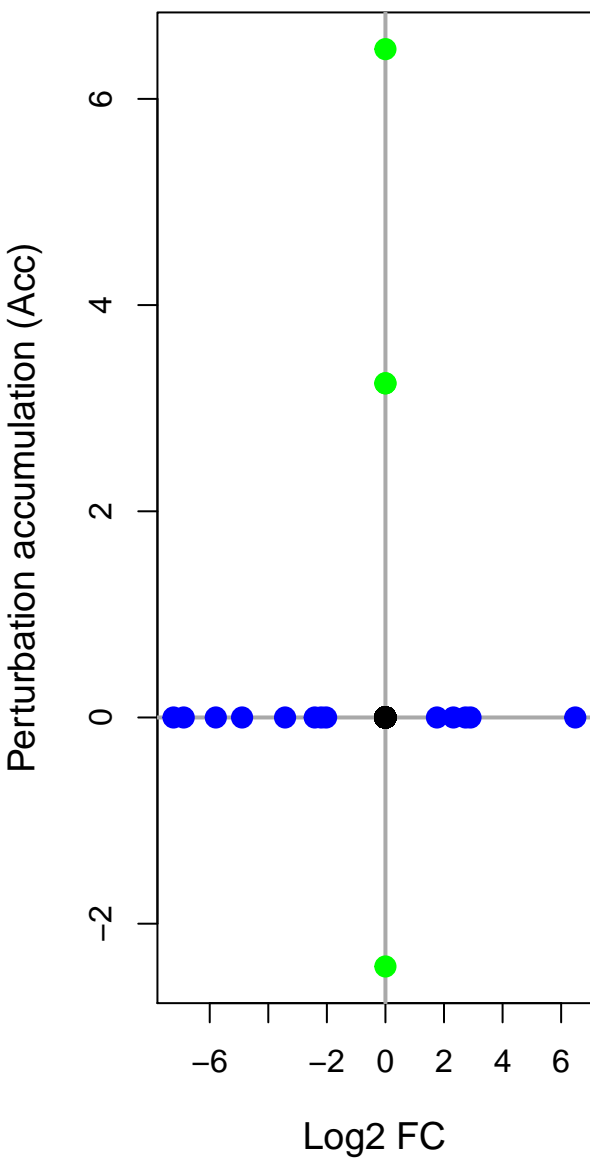
pathway ID=04979 P PERT=0.275



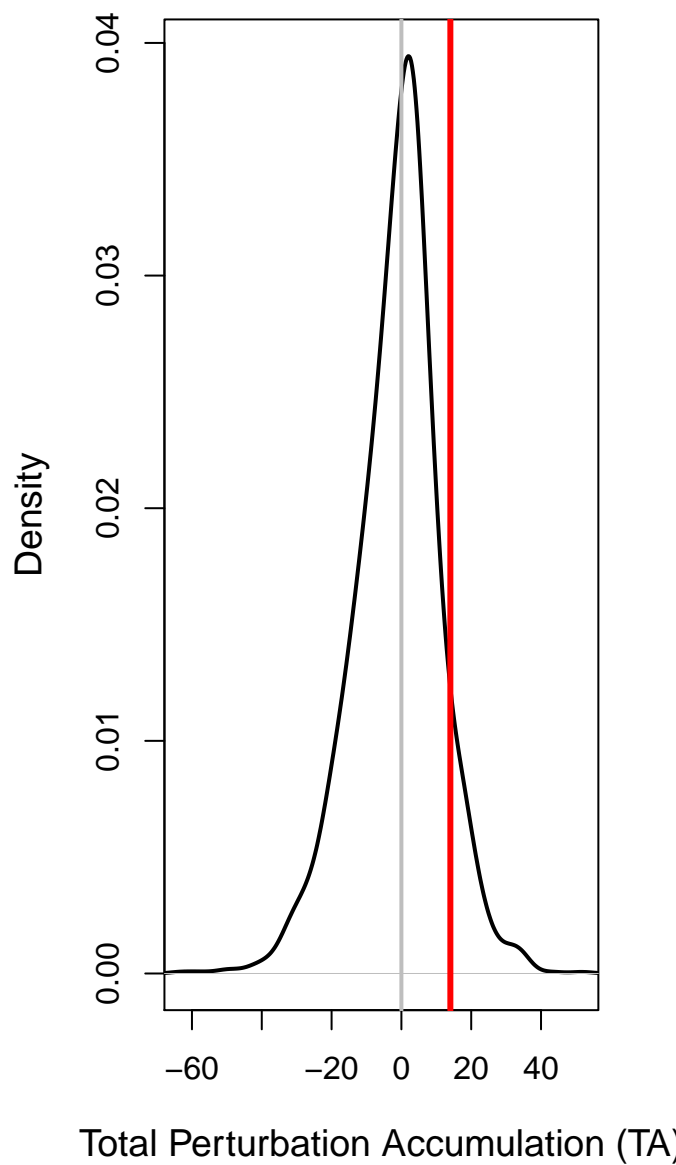
A density plot showing a normal distribution centered at 0. The x-axis ranges from -100 to 50, and the y-axis (Density) ranges from 0.000 to 0.015. A black curve represents the density. A vertical red line is at approximately -10, and a vertical grey line is at 0.

## Total Perturbation Accumulation (TA)

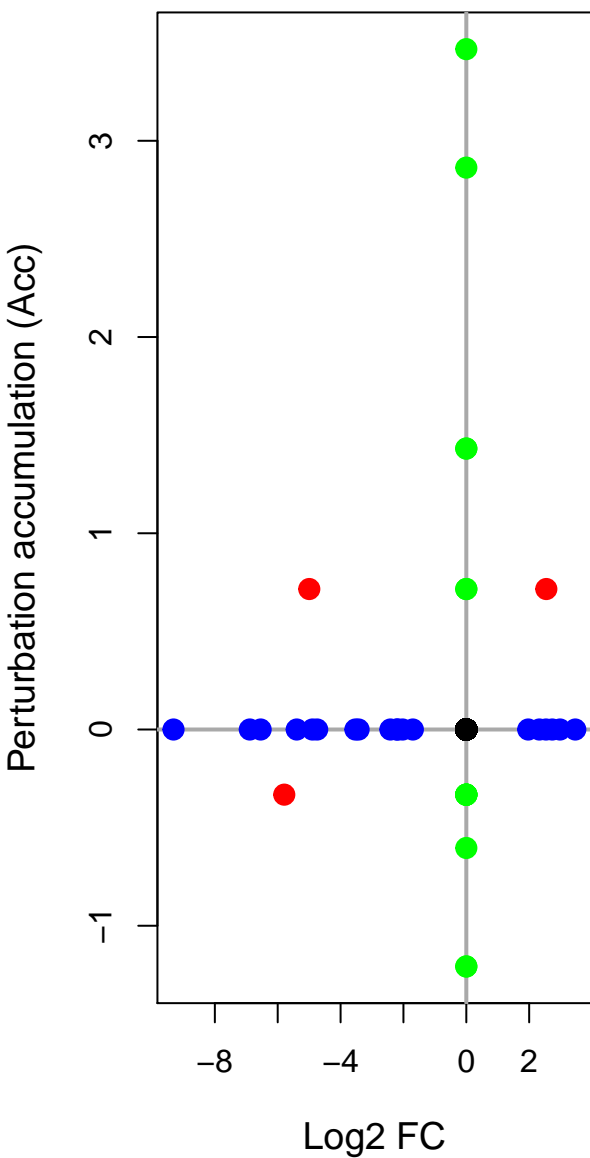
pathway ID=05012



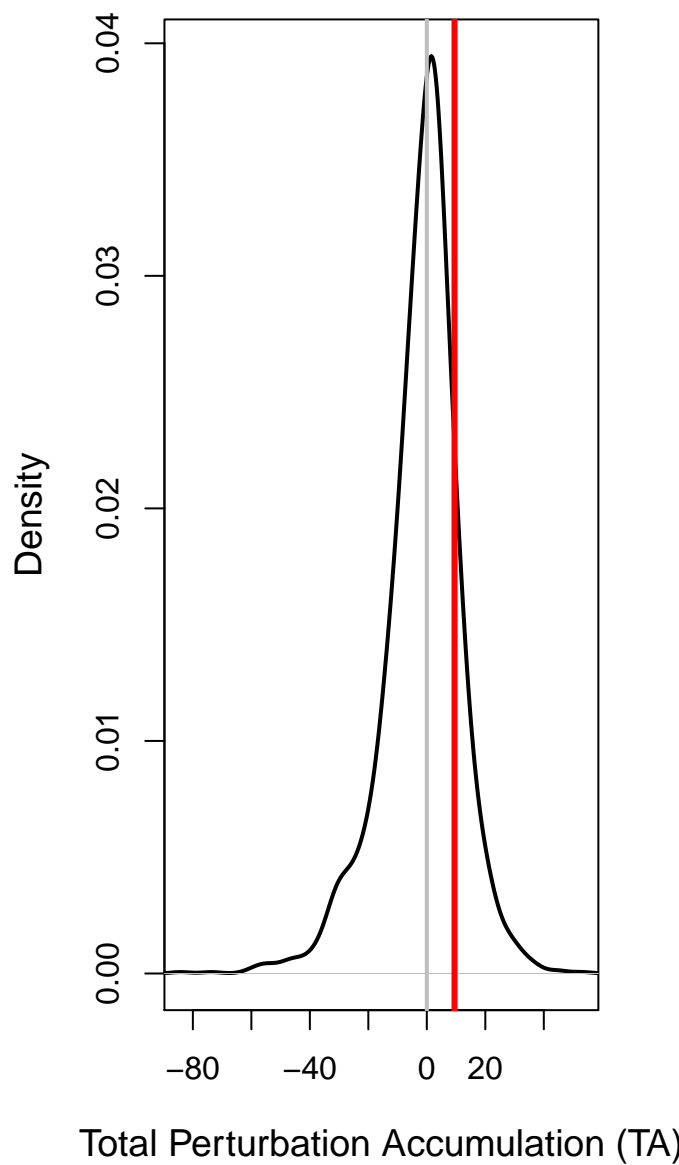
pathway ID=05012 P PERT=0.178



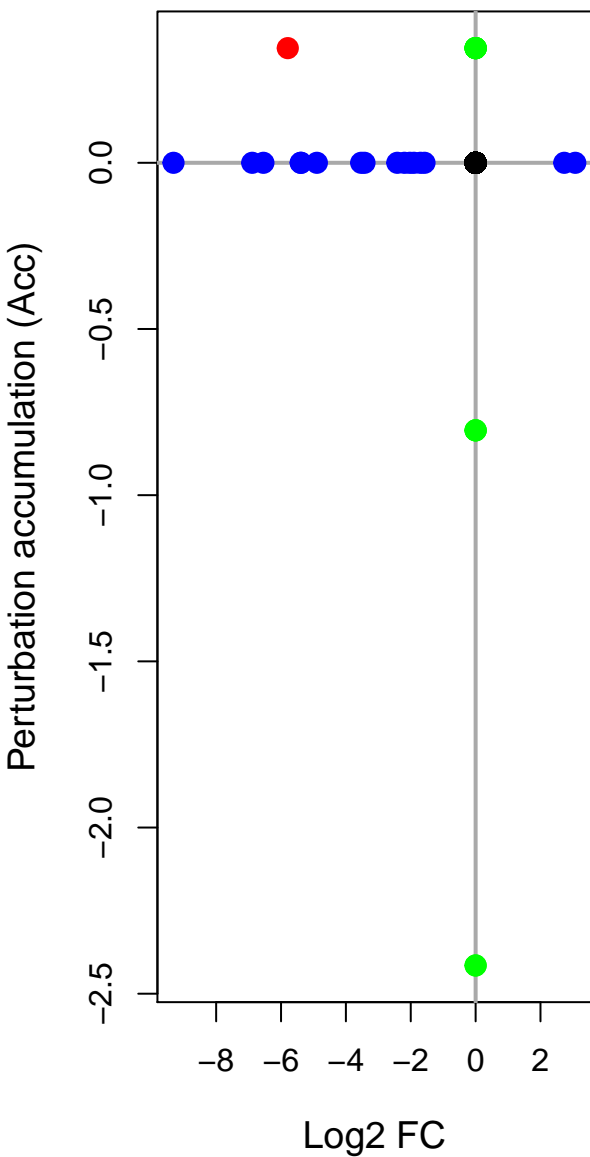
pathway ID=05014



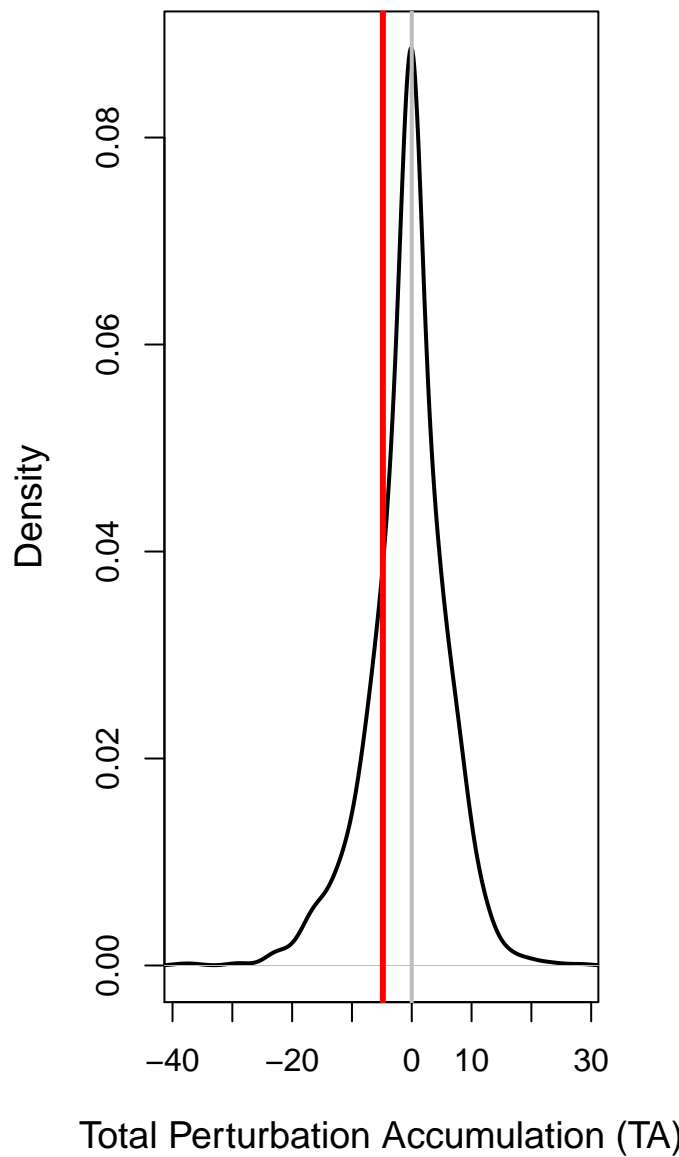
pathway ID=05014 P PERT=0.307



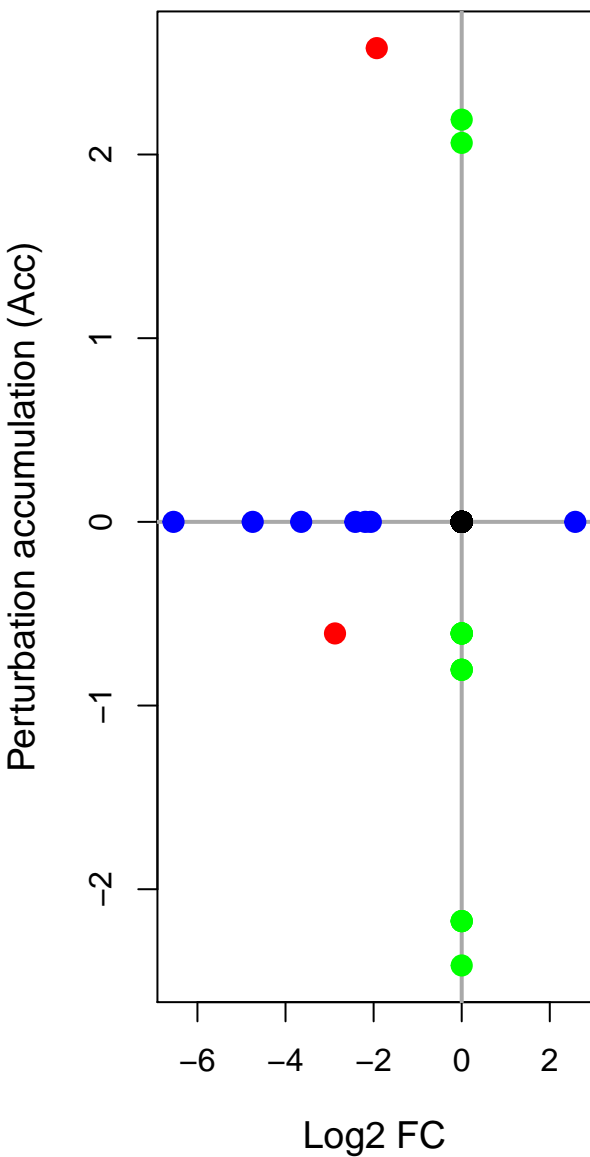
pathway ID=05016



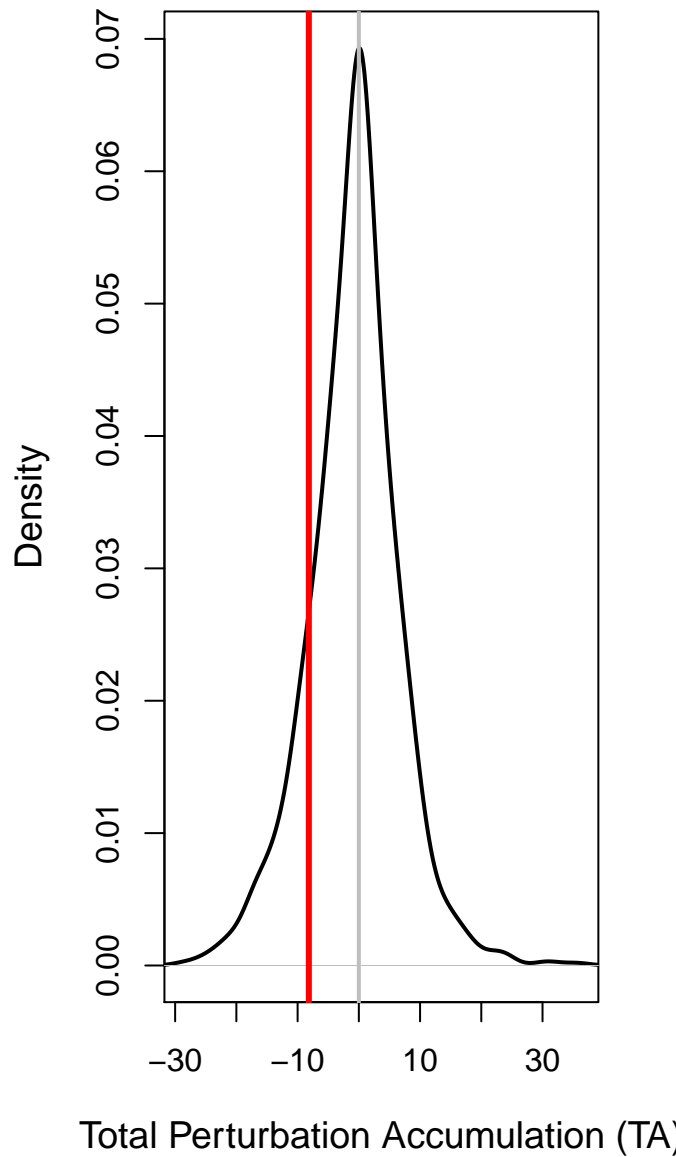
pathway ID=05016 P PERT=0.415



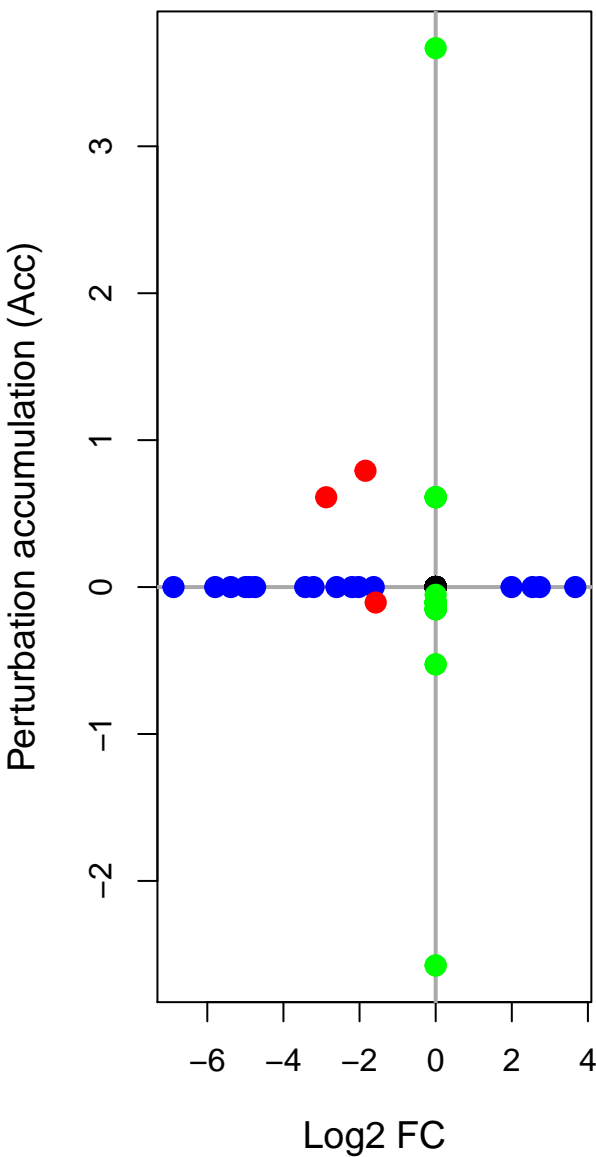
pathway ID=05017



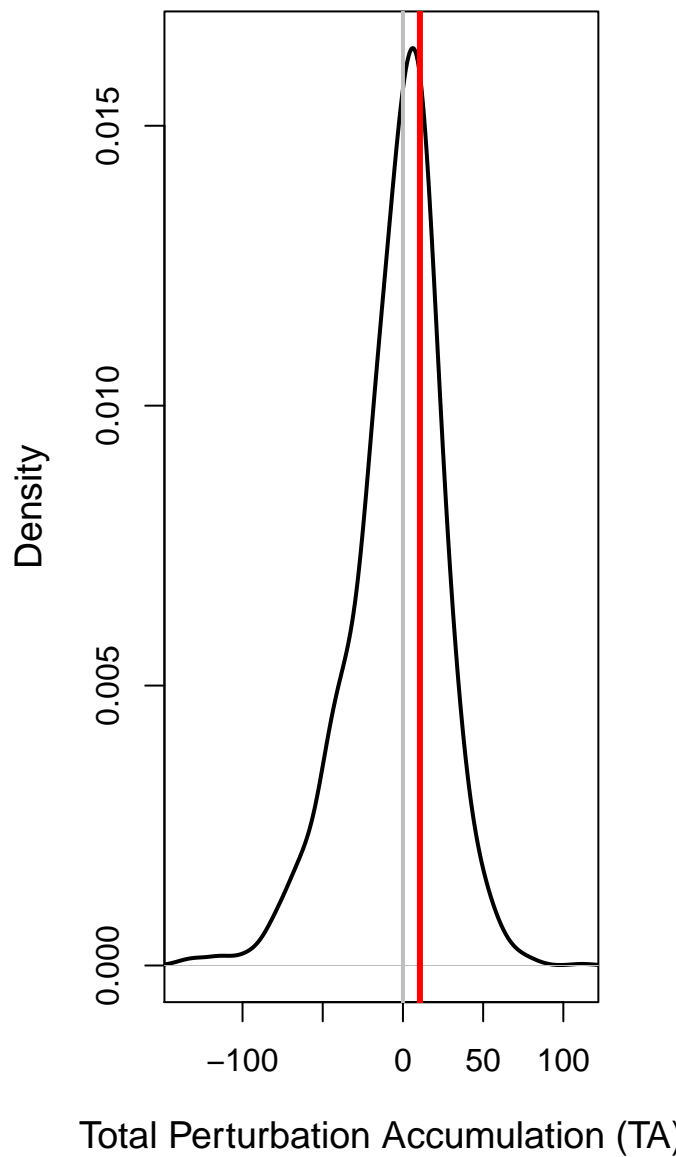
pathway ID=05017 P PERT=0.287



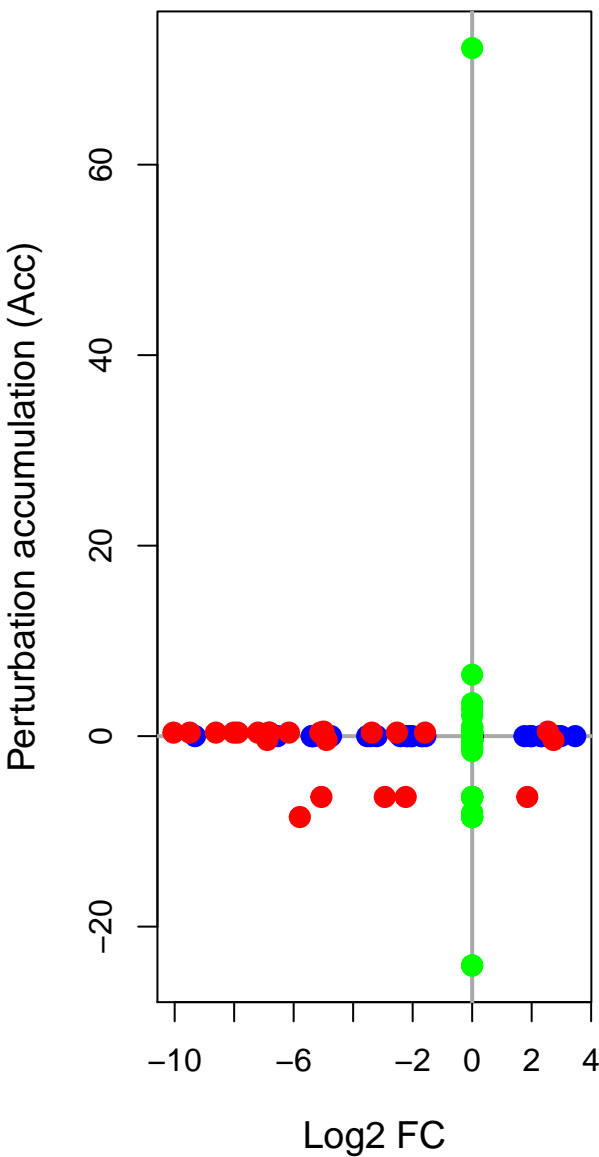
pathway ID=05020



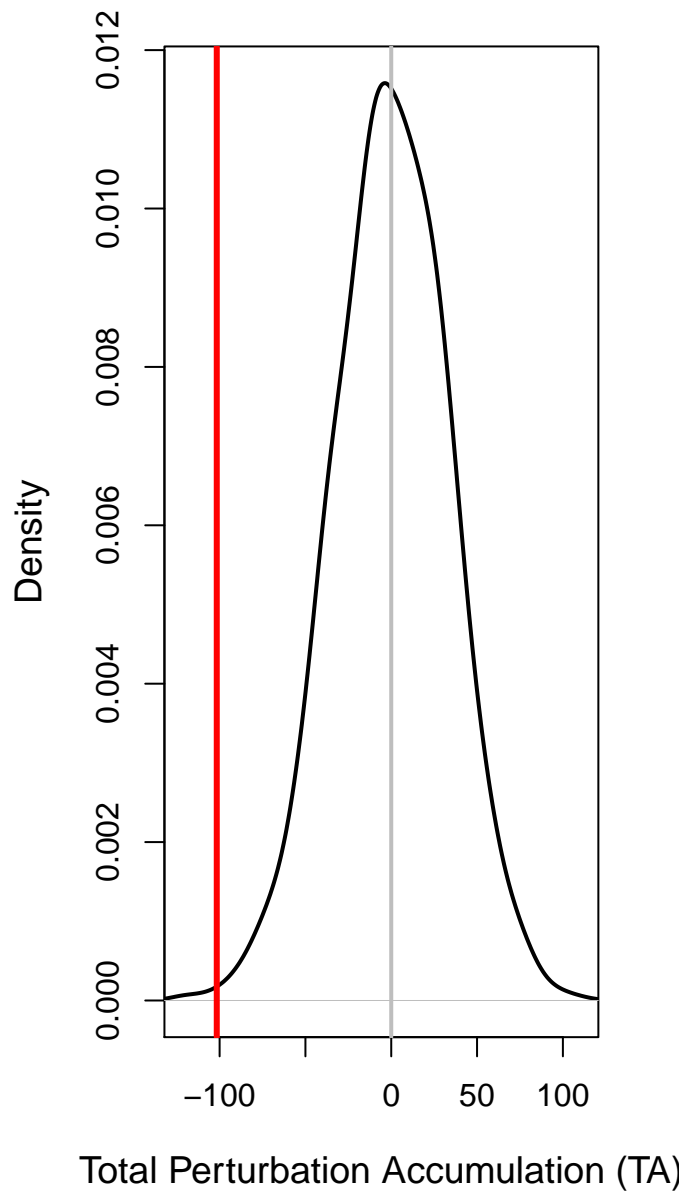
pathway ID=05020 P PERT=0.649



pathway ID=05022

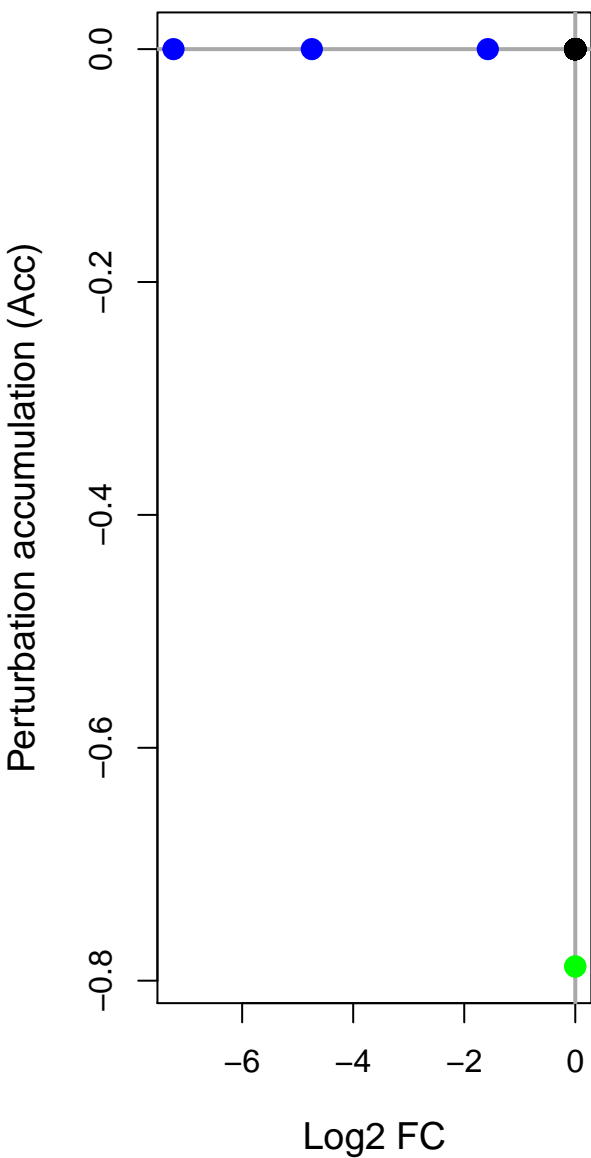


pathway ID=05022 P PERT=0.005

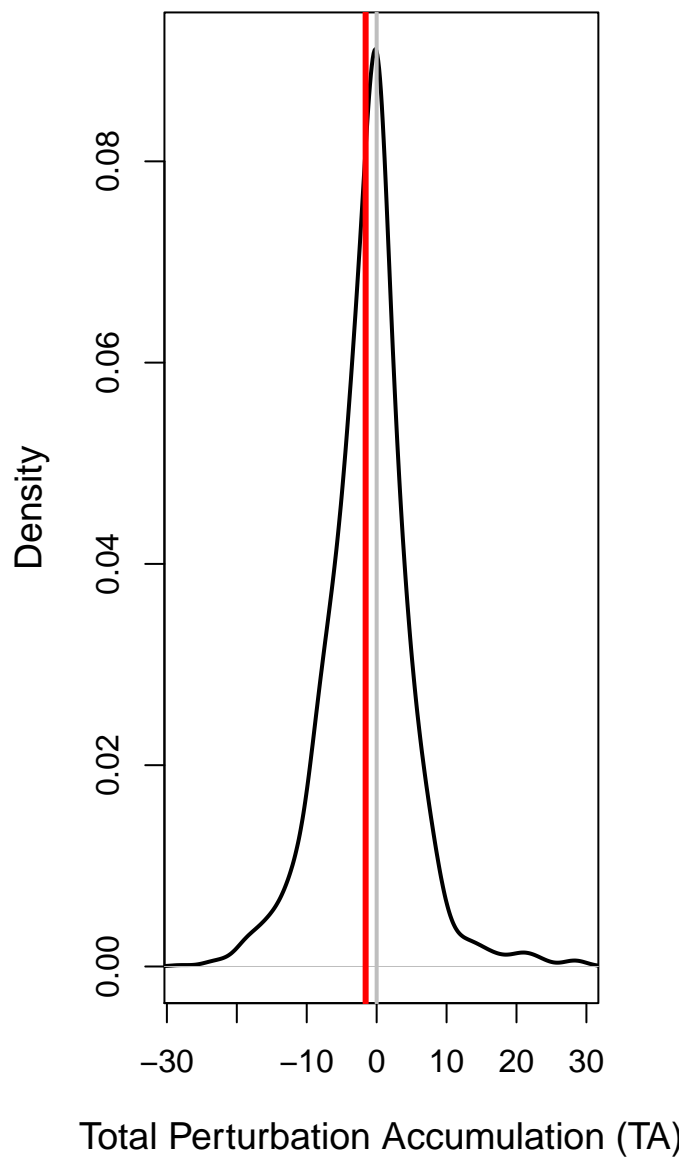




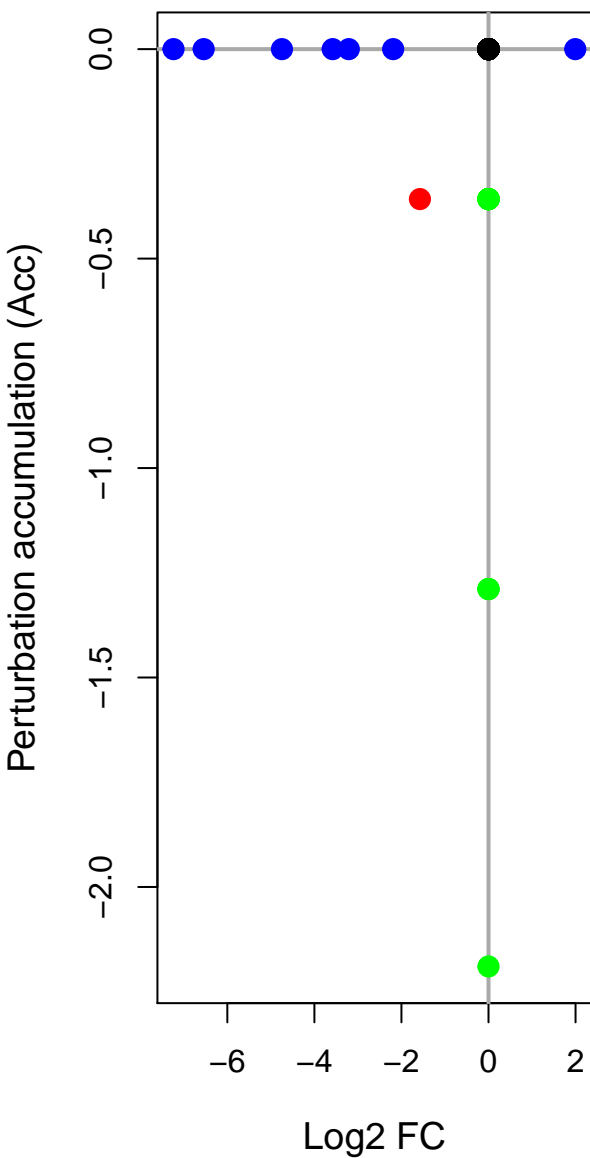
pathway ID=05030



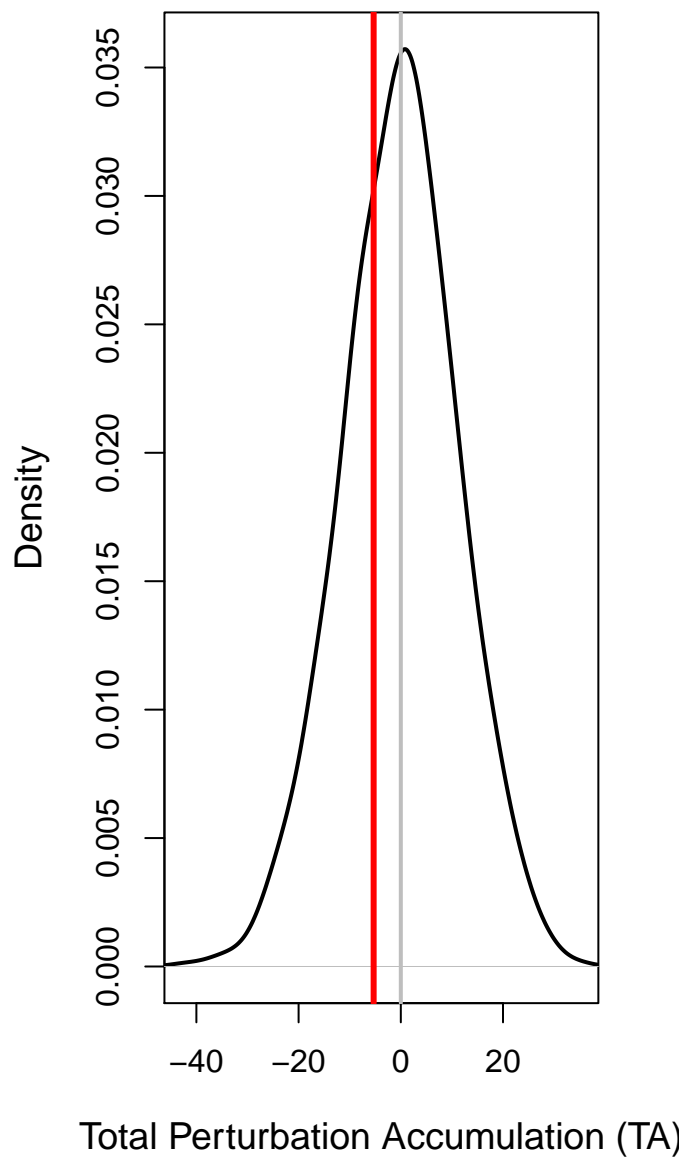
pathway ID=05030 P PERT=0.887



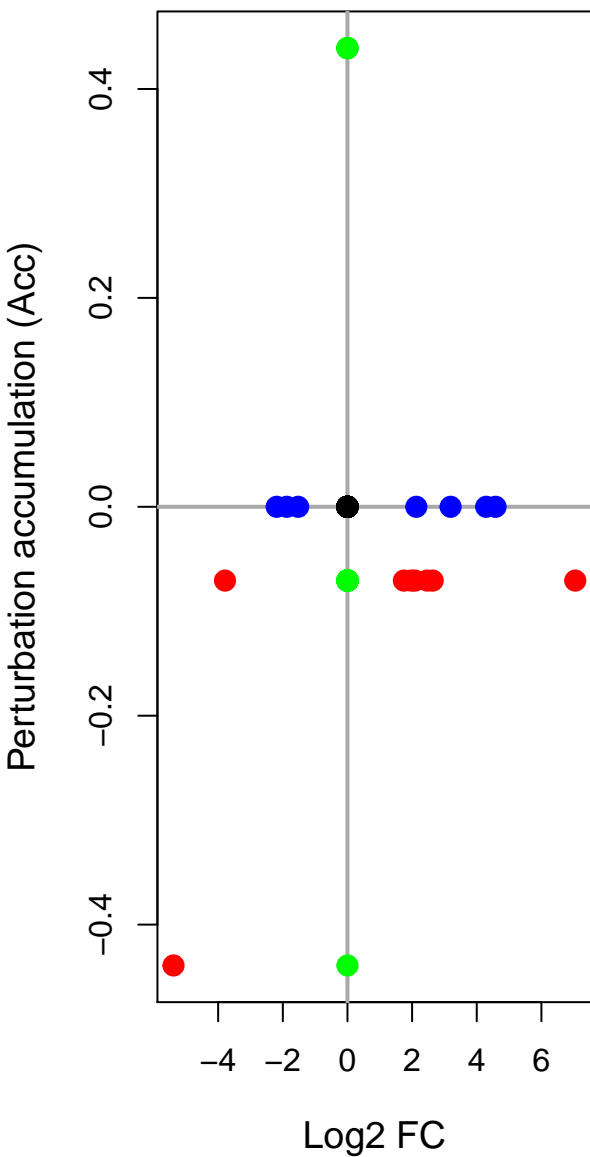
pathway ID=05031



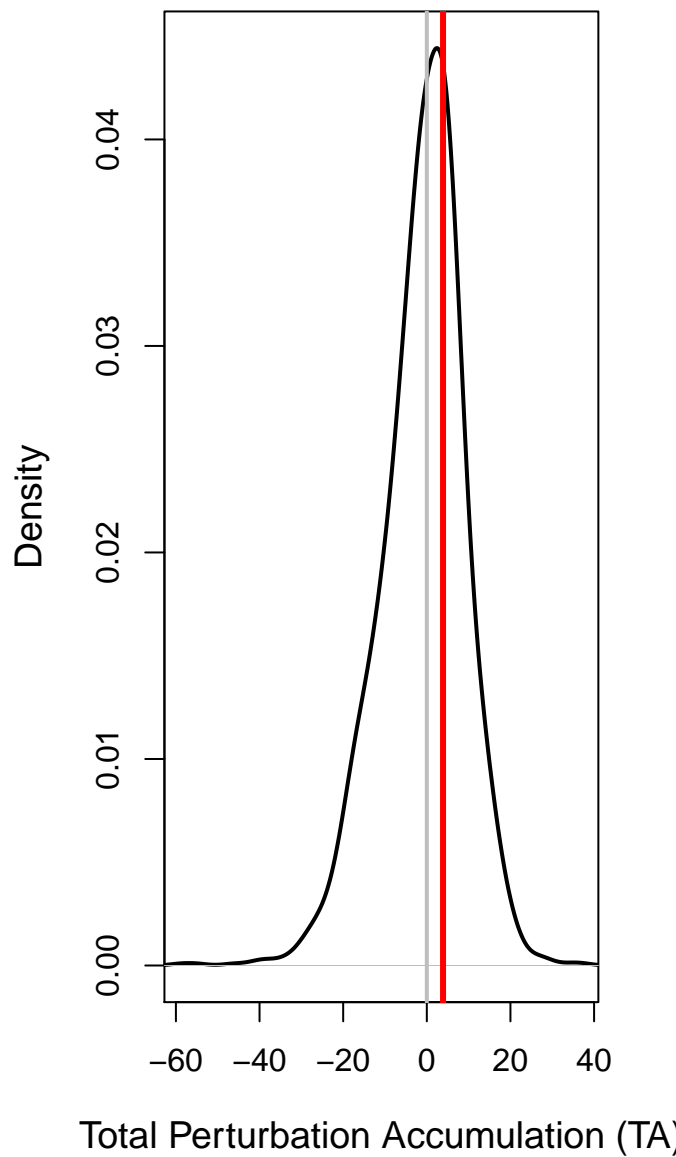
pathway ID=05031 P PERT=0.641



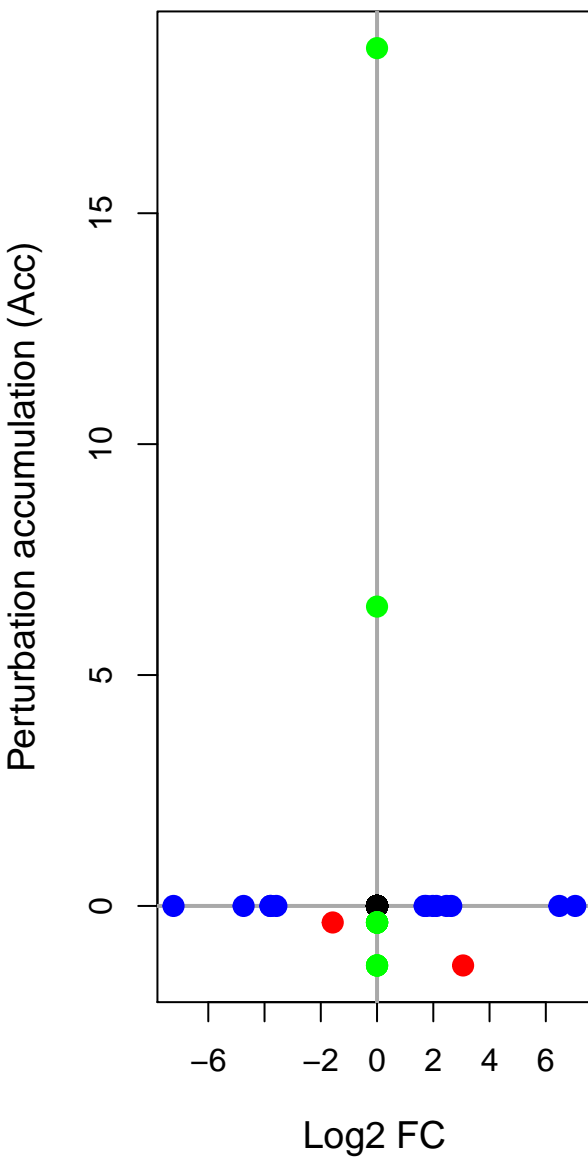
pathway ID=05032



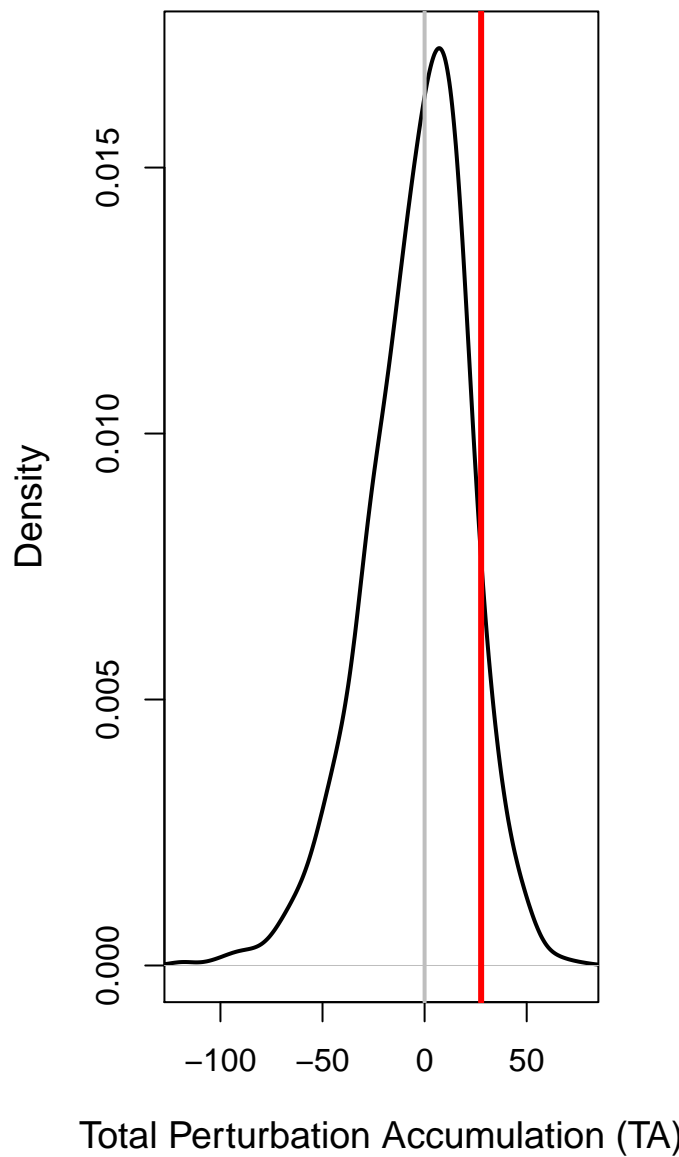
pathway ID=05032 P PERT=0.664



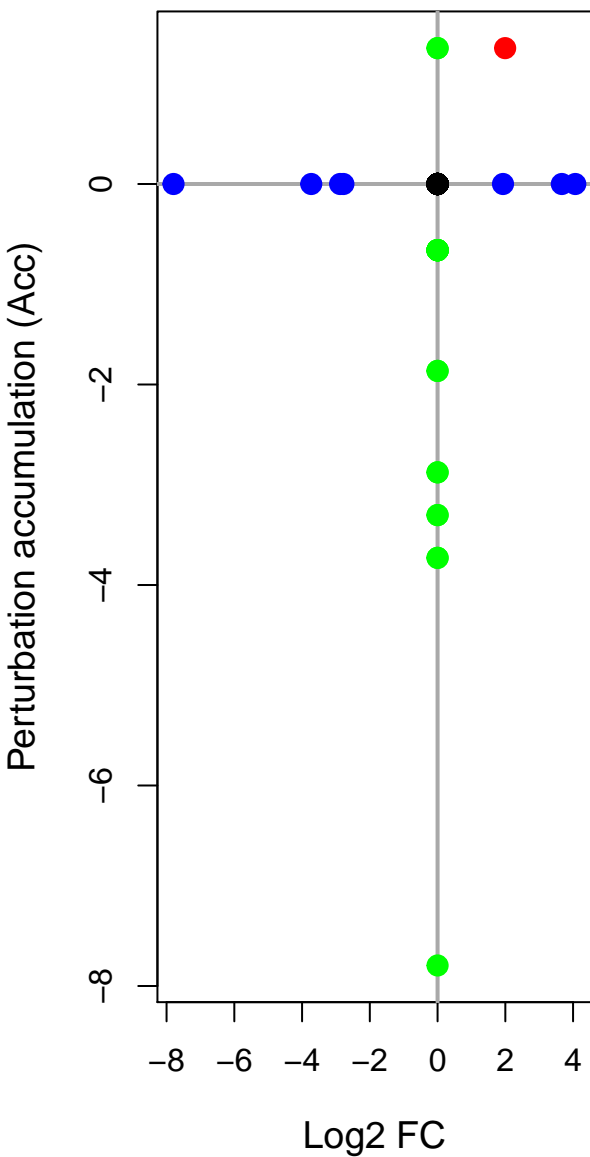
pathway ID=05034



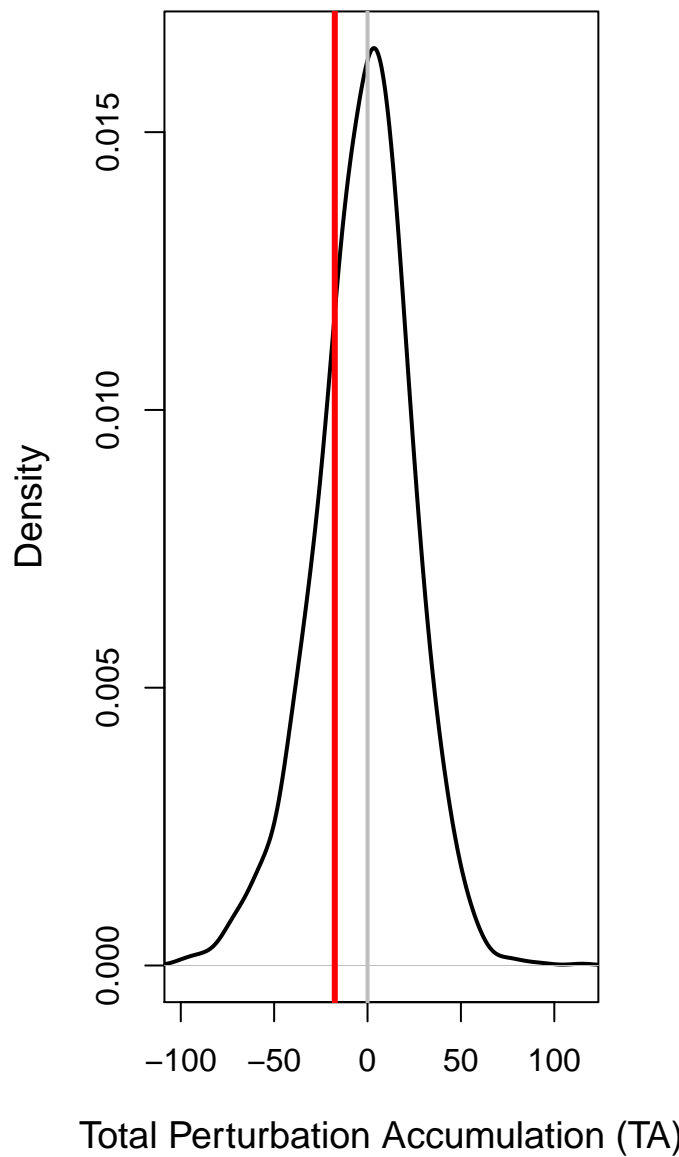
pathway ID=05034 P PERT=0.165



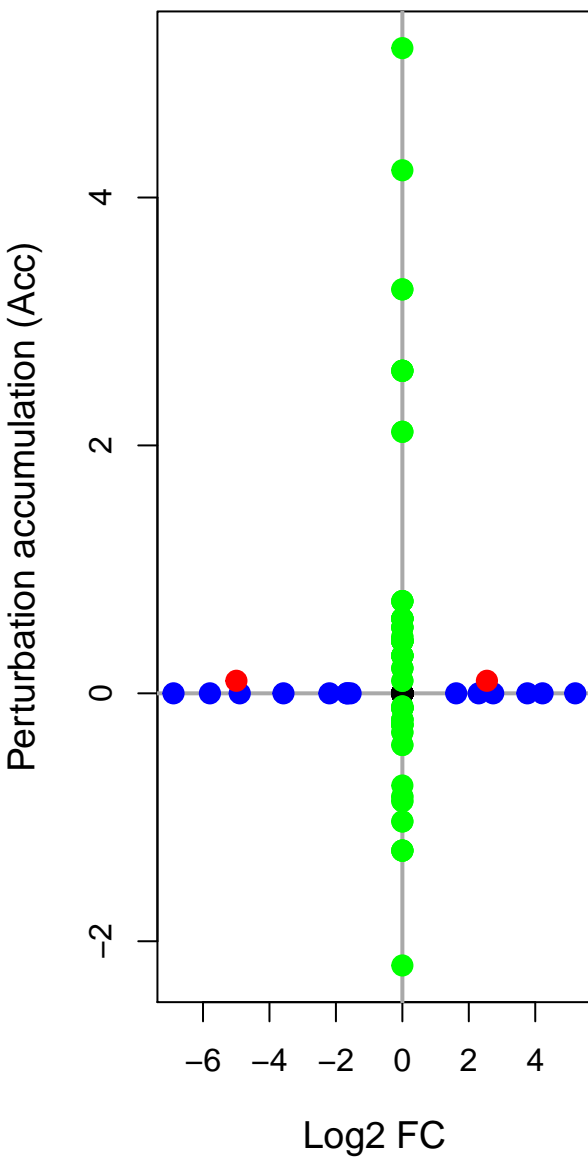
pathway ID=05100



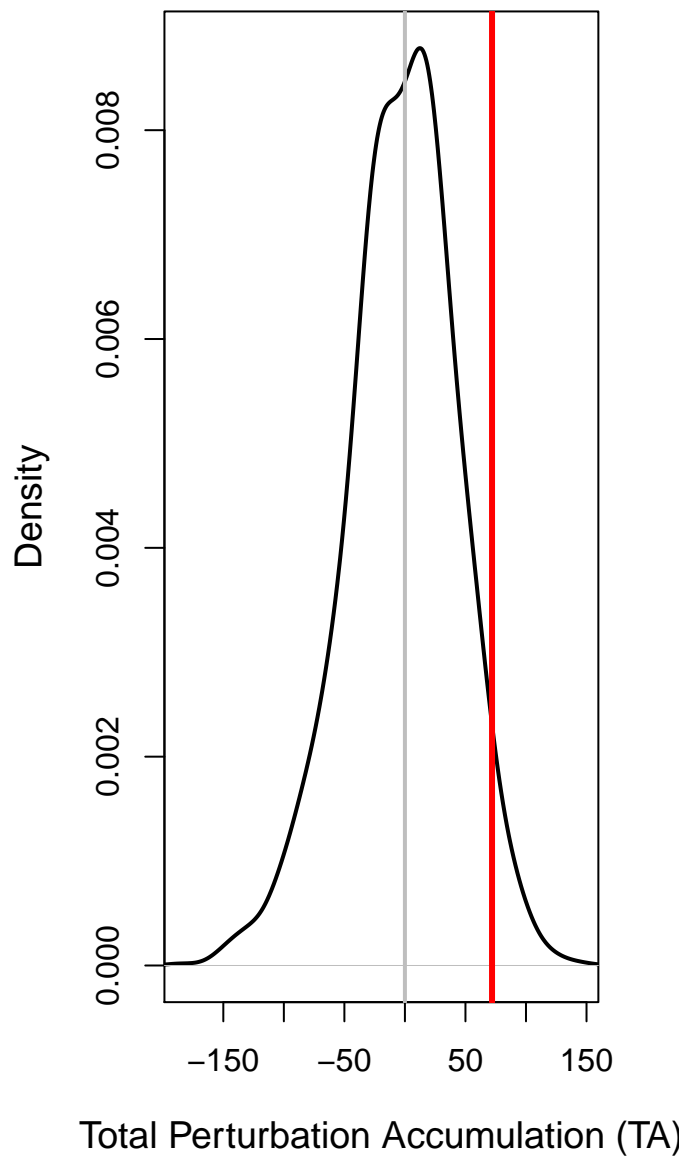
pathway ID=05100 P PERT=0.5



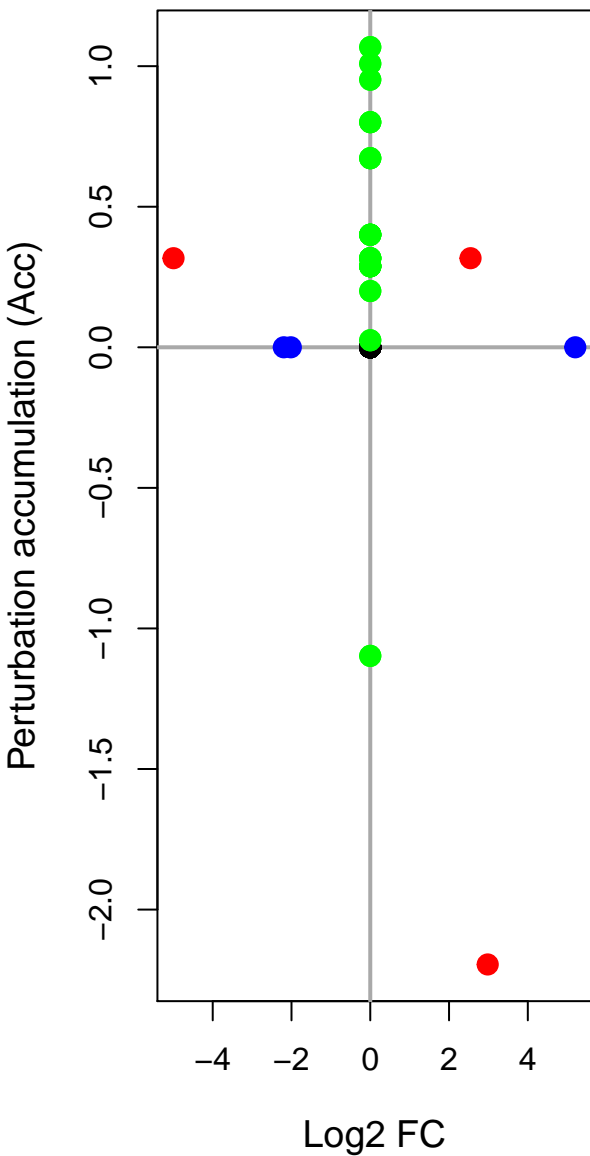
pathway ID=05132



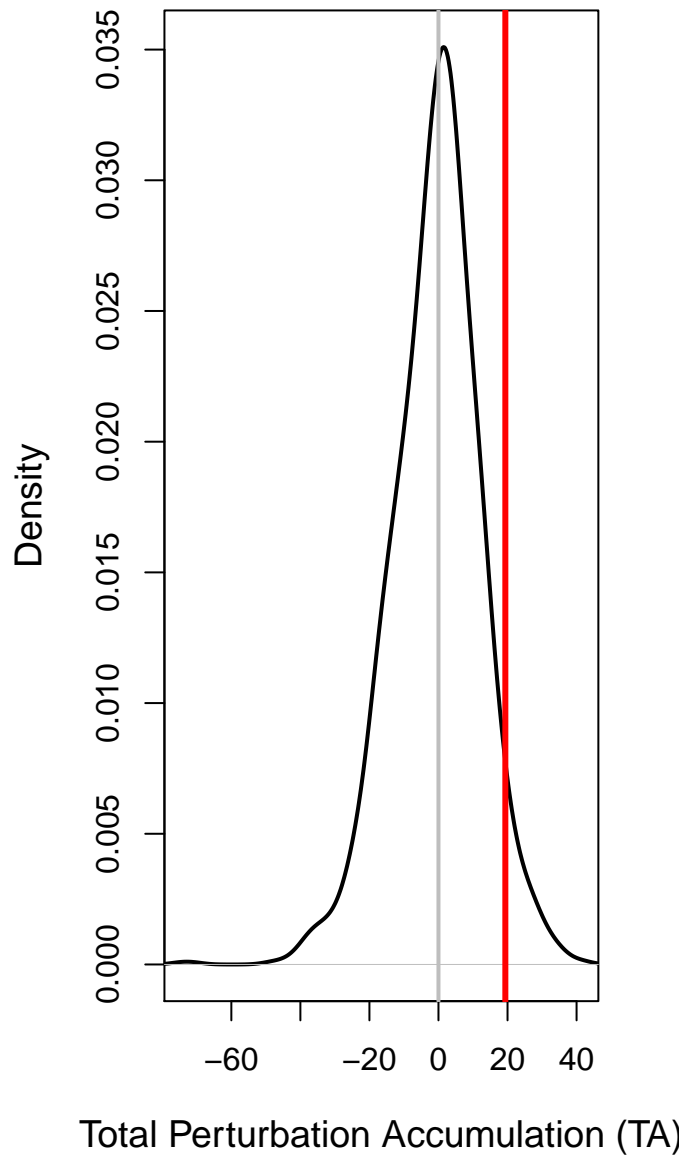
pathway ID=05132 P PERT=0.078



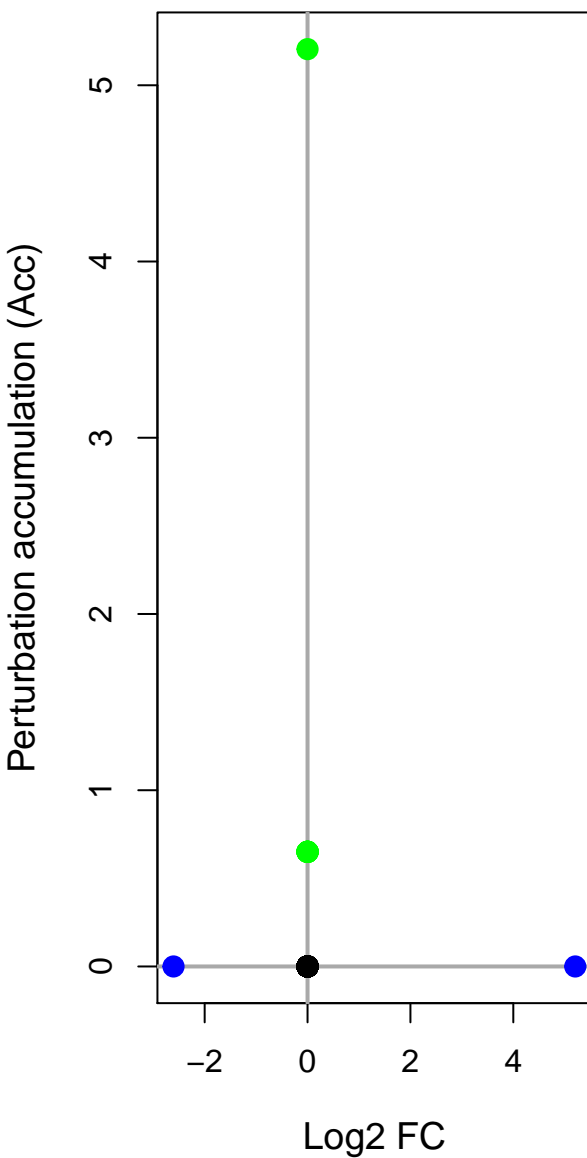
pathway ID=05133



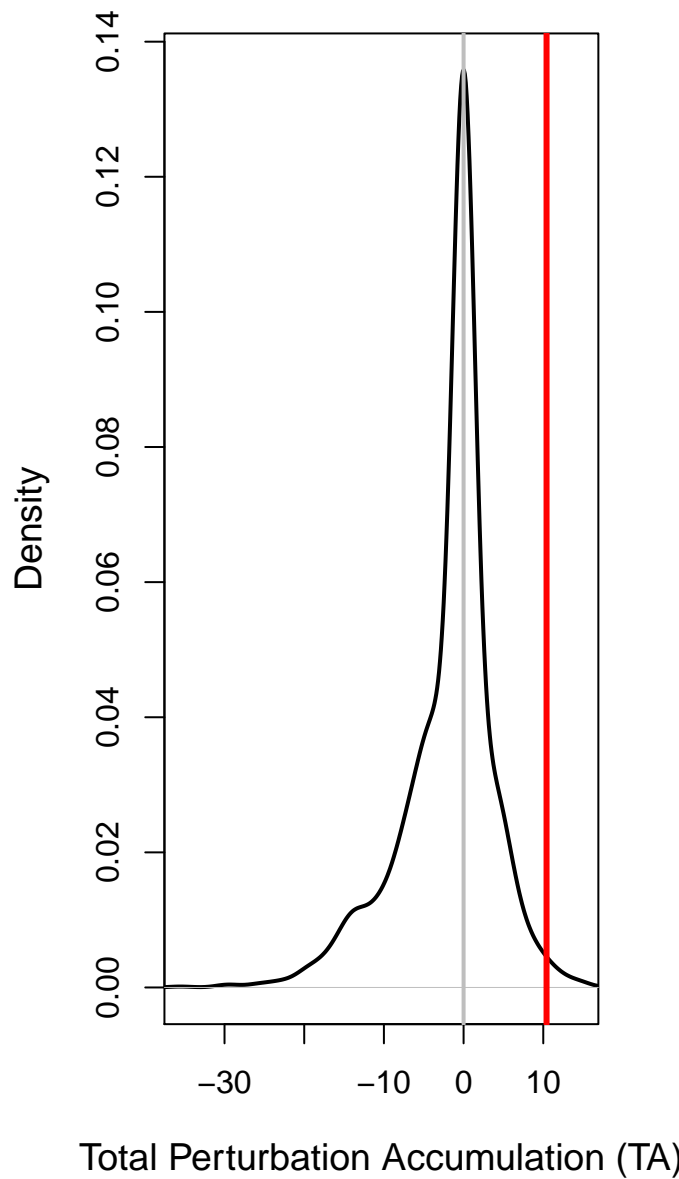
pathway ID=05133 P PERT=0.098



pathway ID=05134

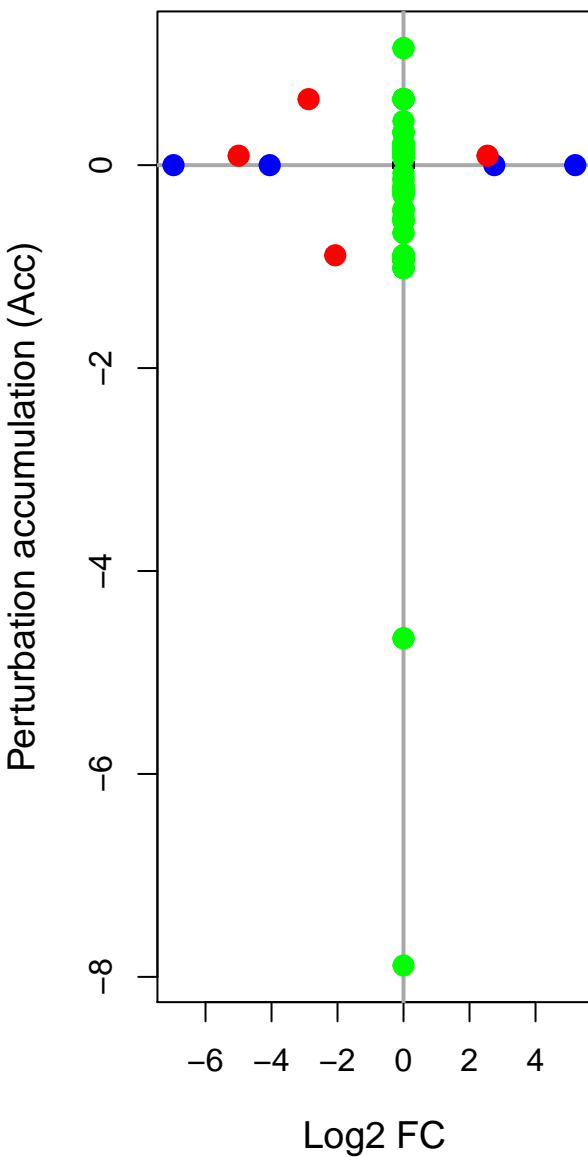


pathway ID=05134 P PERT=0.02

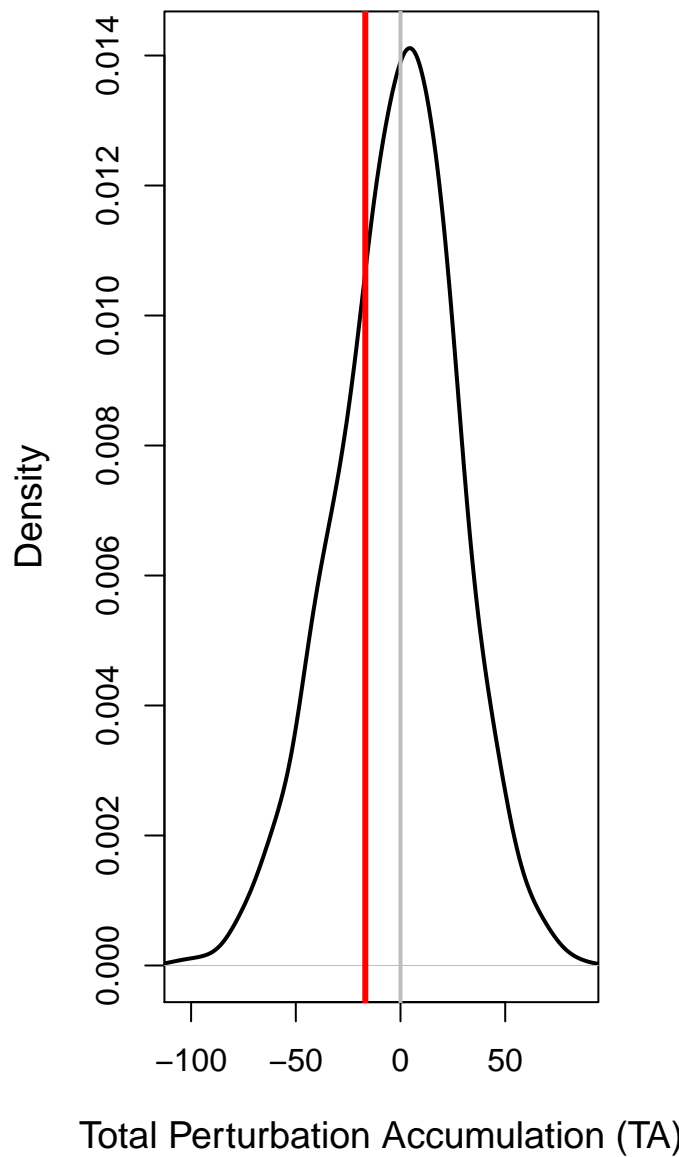




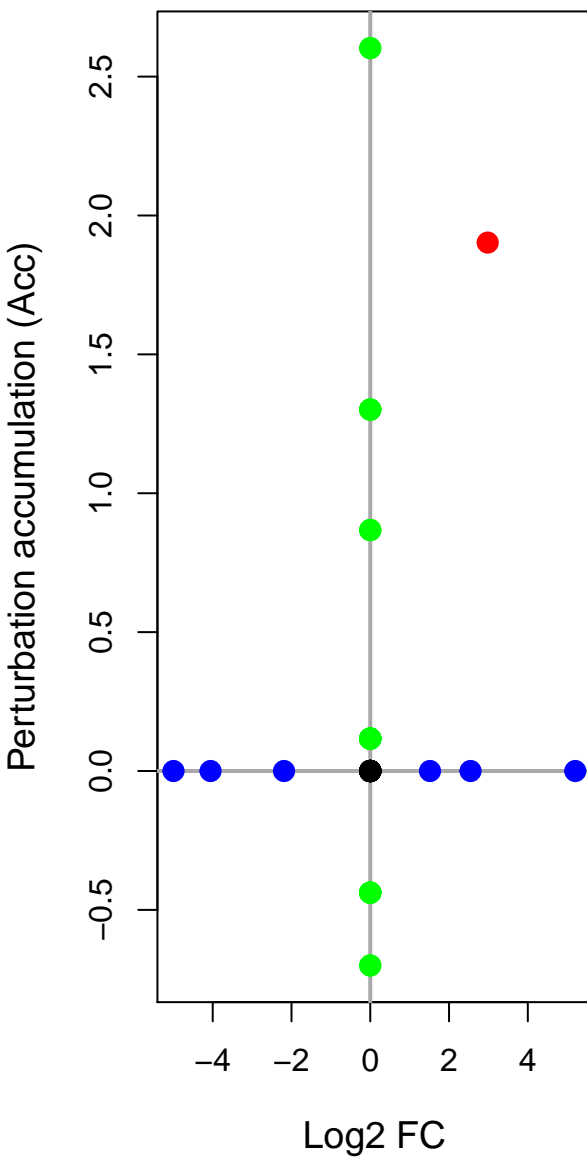
pathway ID=05135



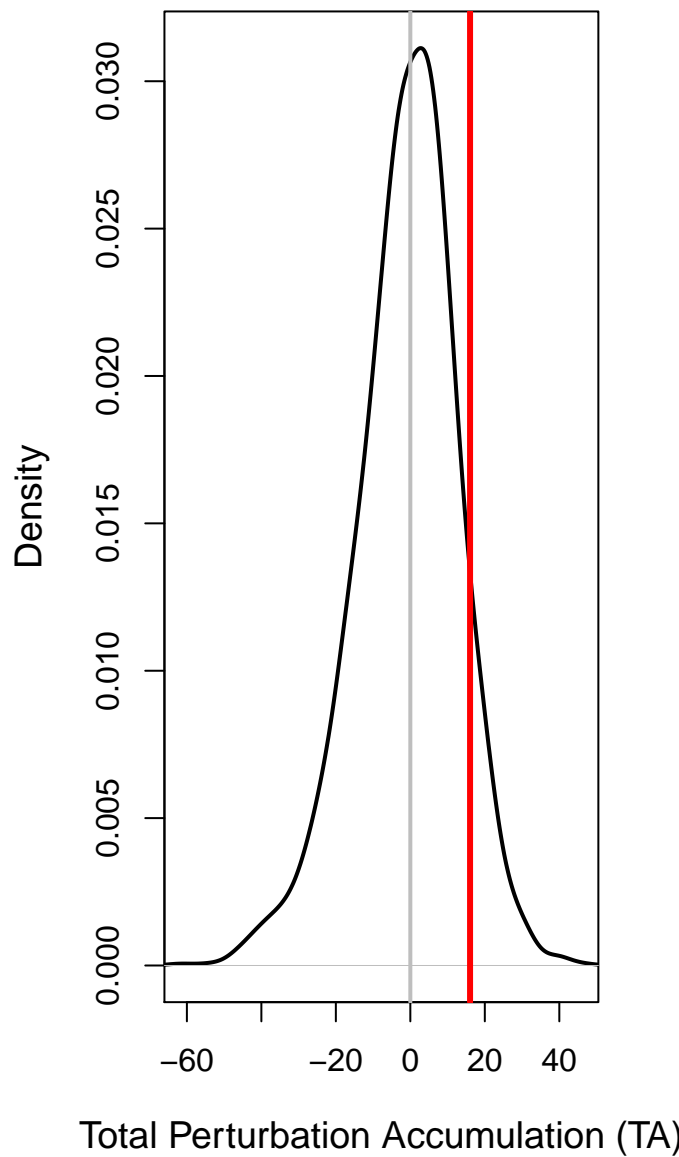
pathway ID=05135 P PERT=0.568



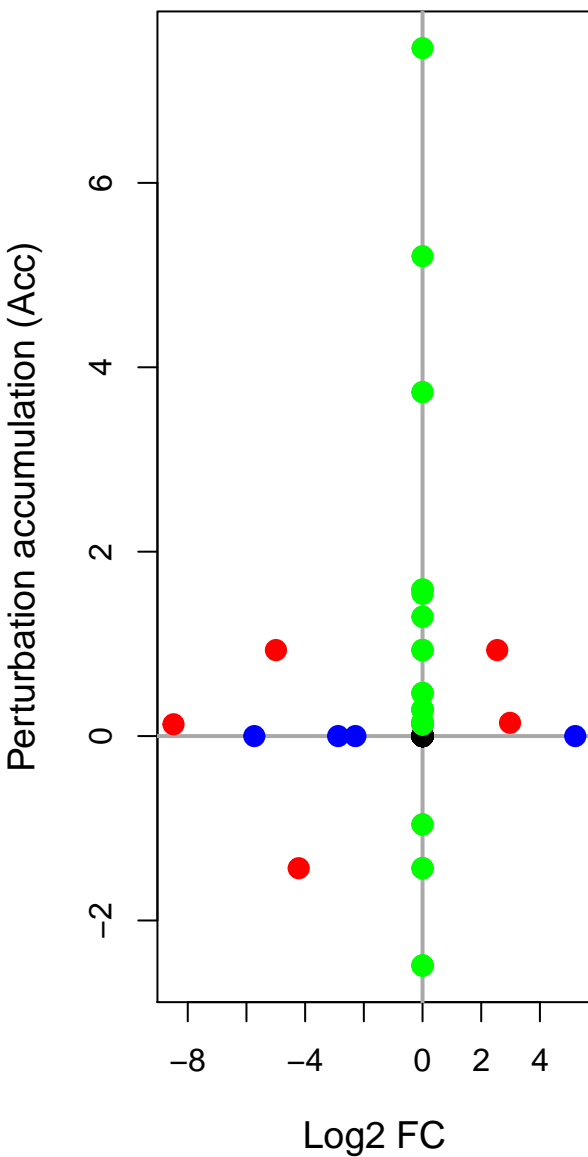
pathway ID=05140



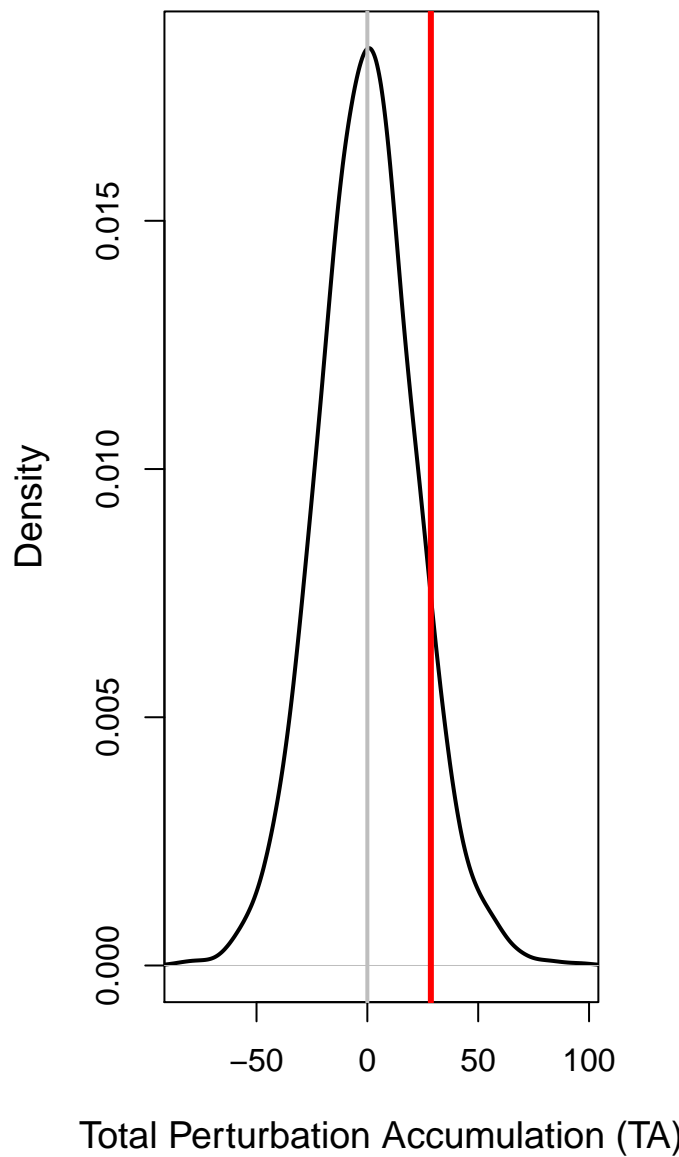
pathway ID=05140 P PERT=0.181



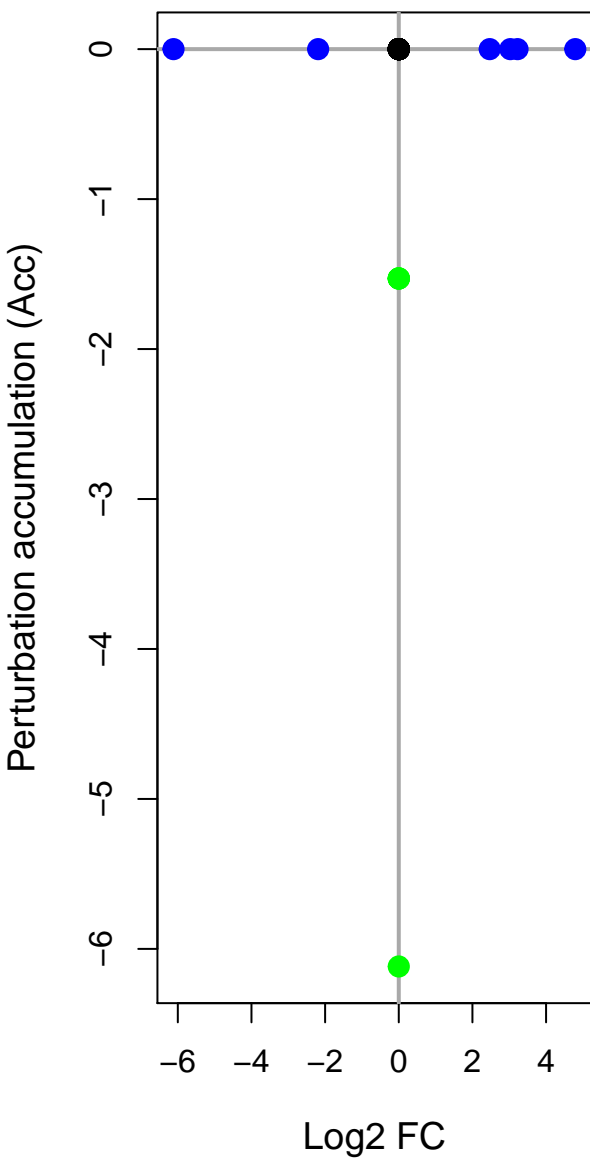
pathway ID=05142



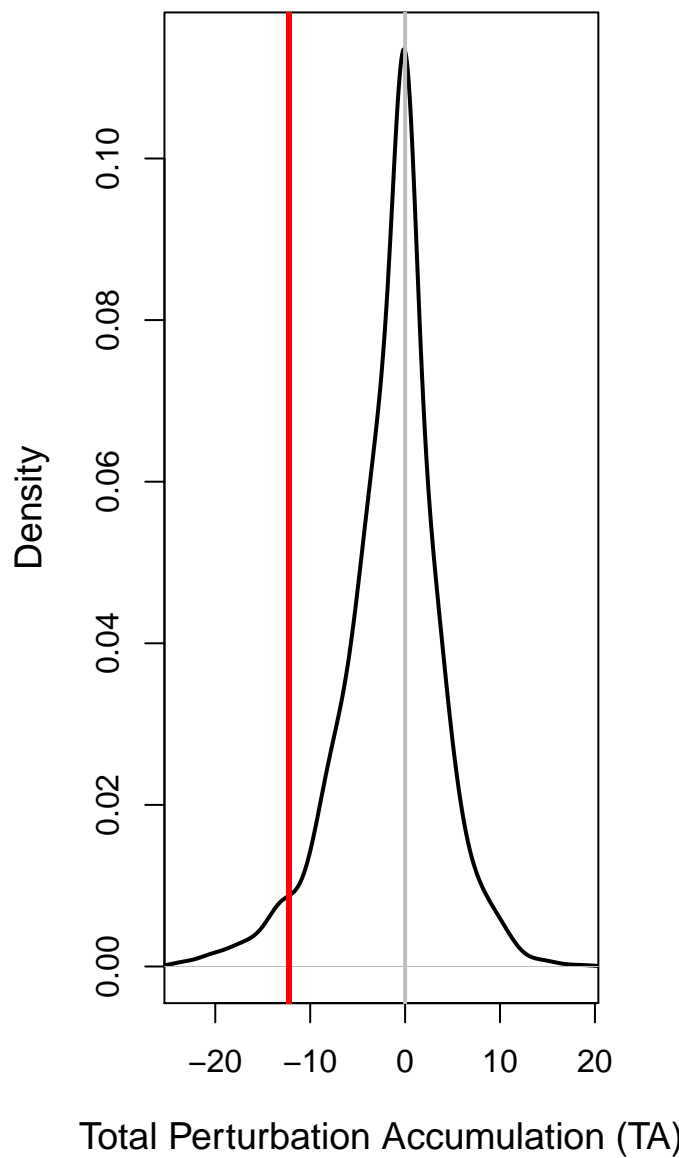
pathway ID=05142 P PERT=0.188



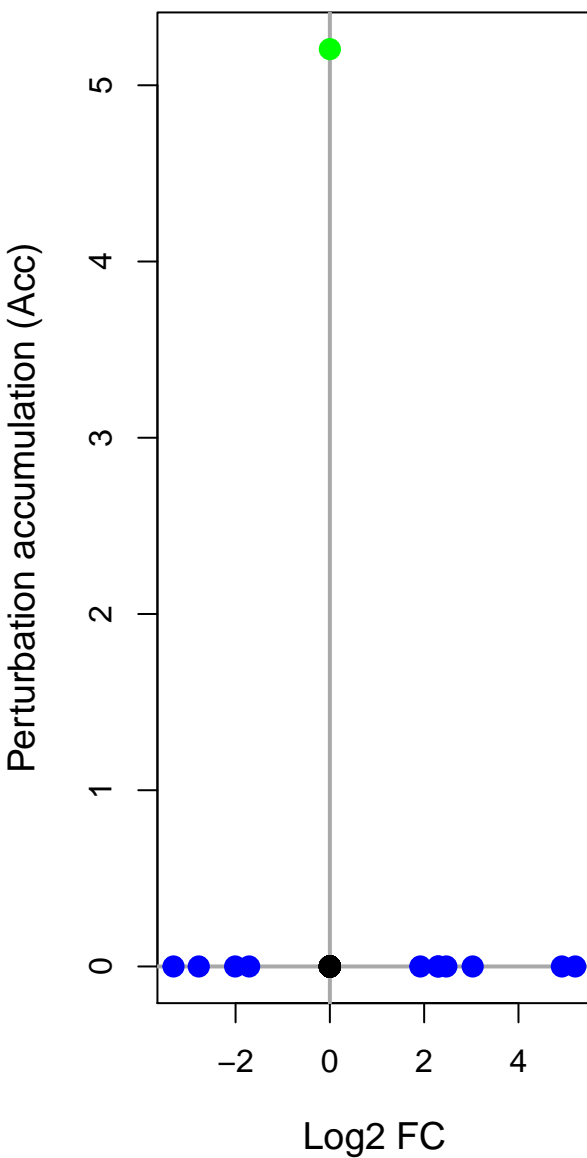
pathway ID=05143



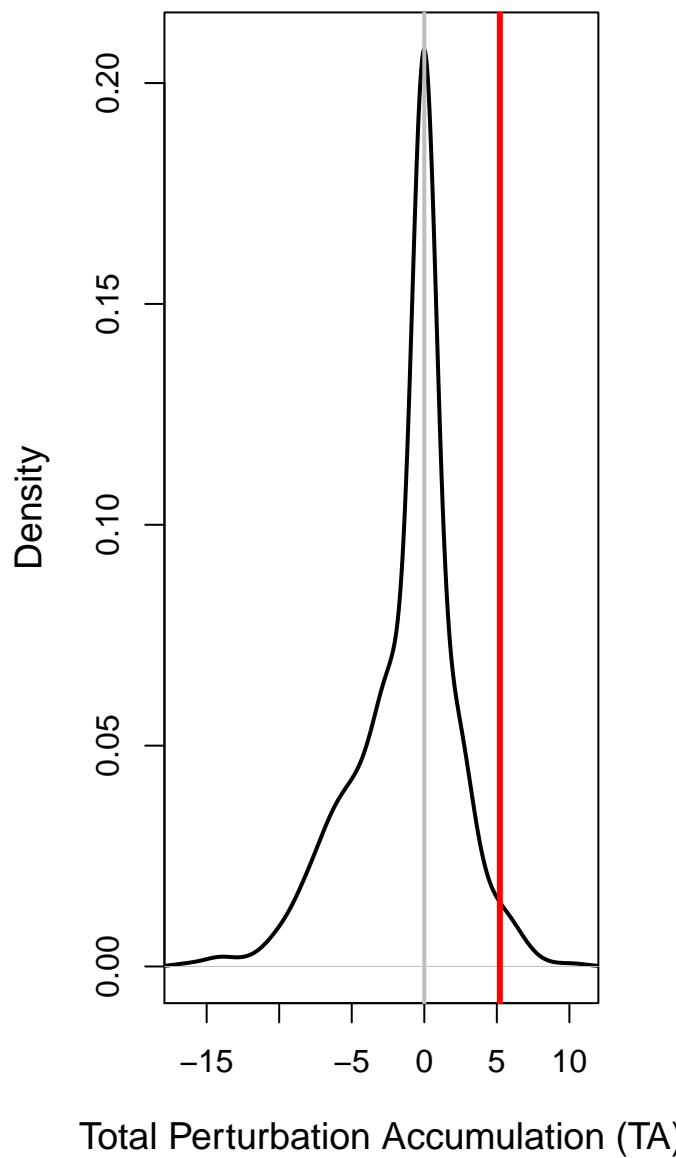
pathway ID=05143 P PERT=0.079



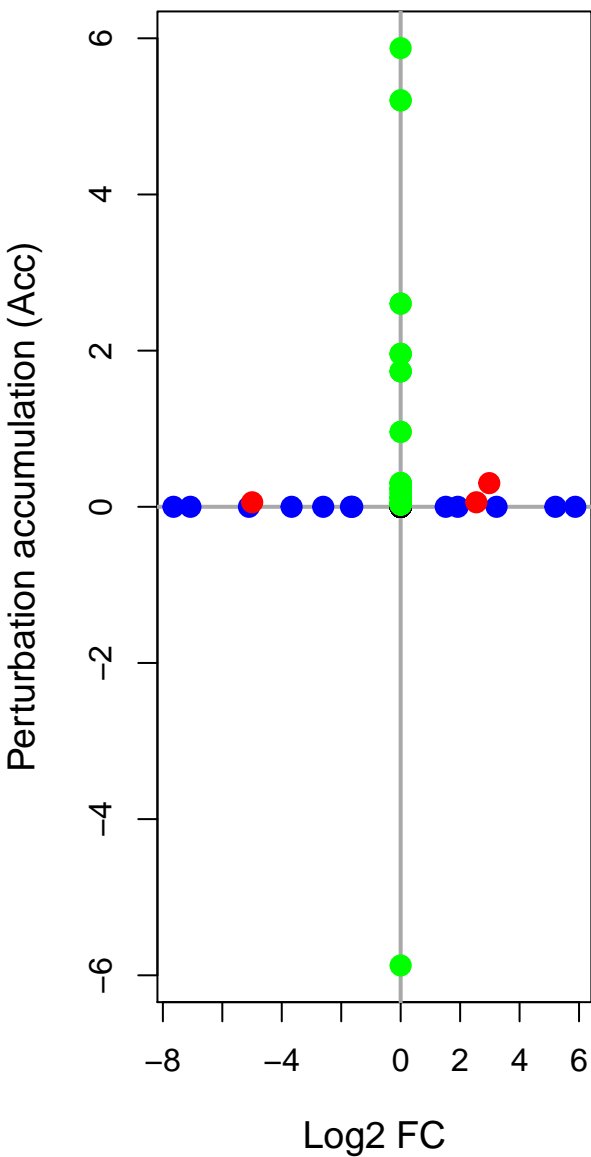
pathway ID=05144



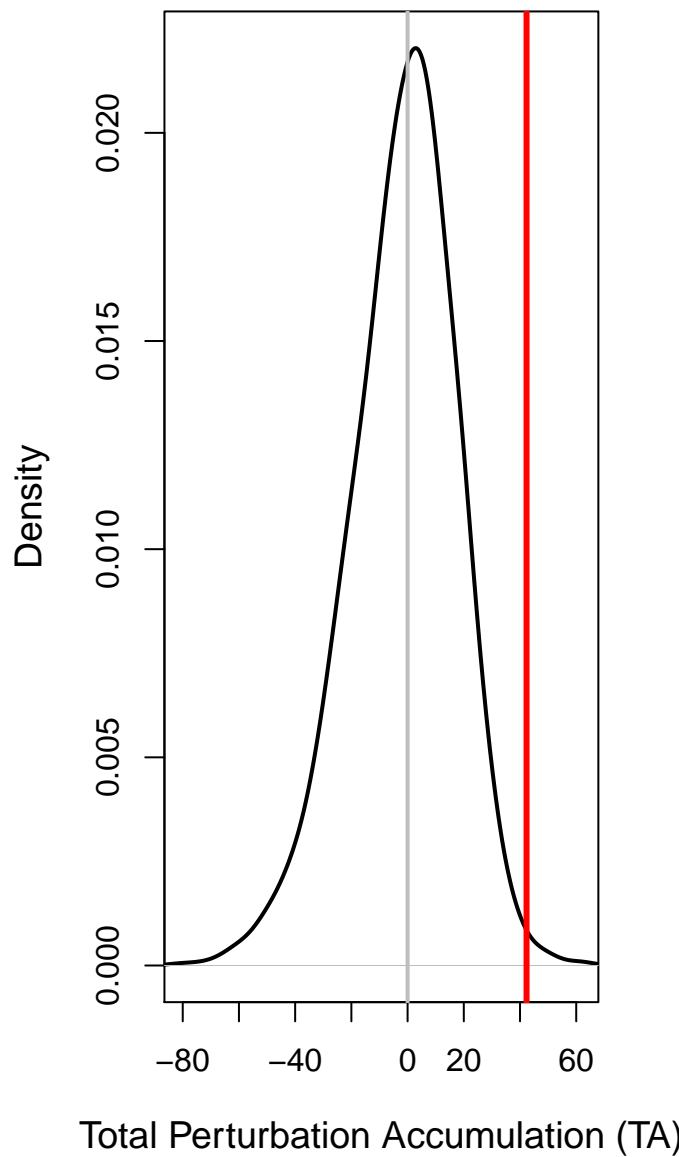
pathway ID=05144 P PERT=0.048



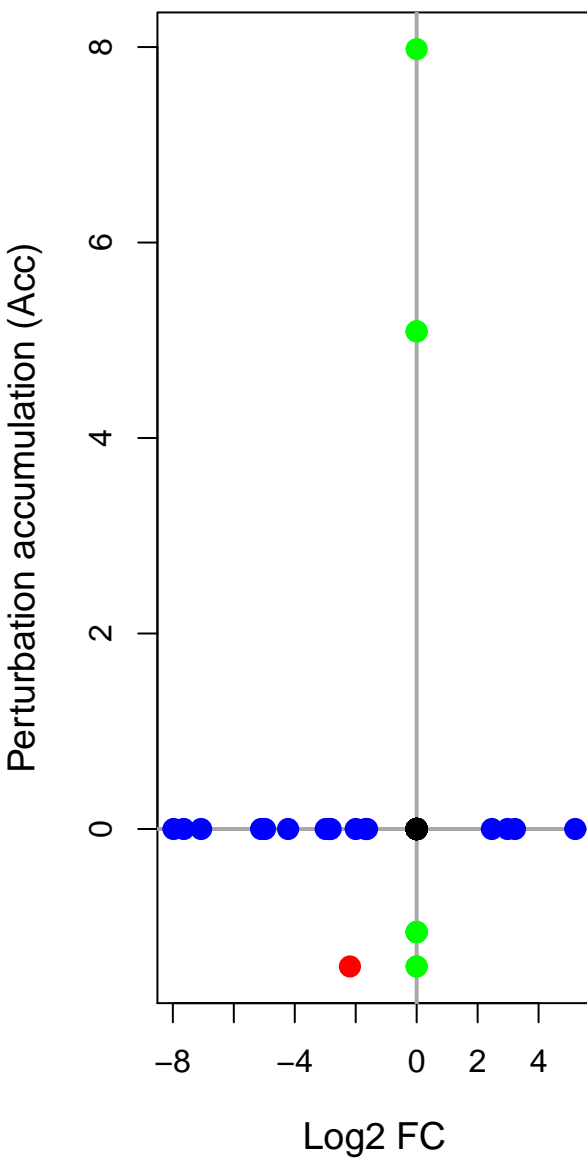
pathway ID=05145



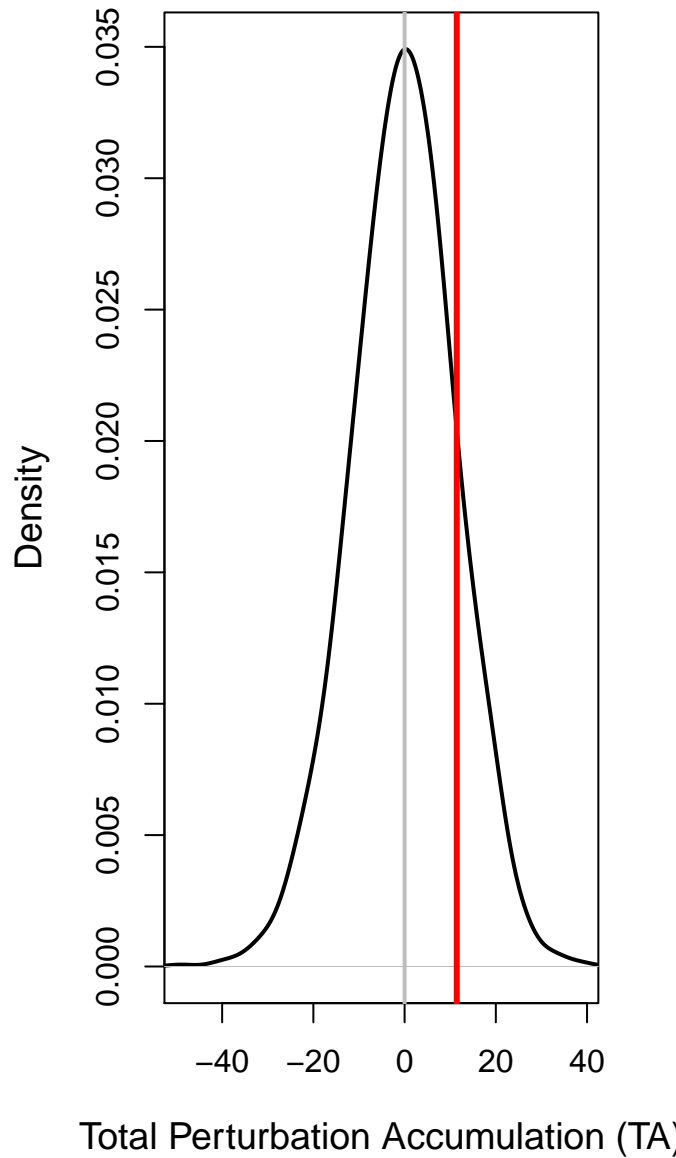
pathway ID=05145 P PERT=0.011



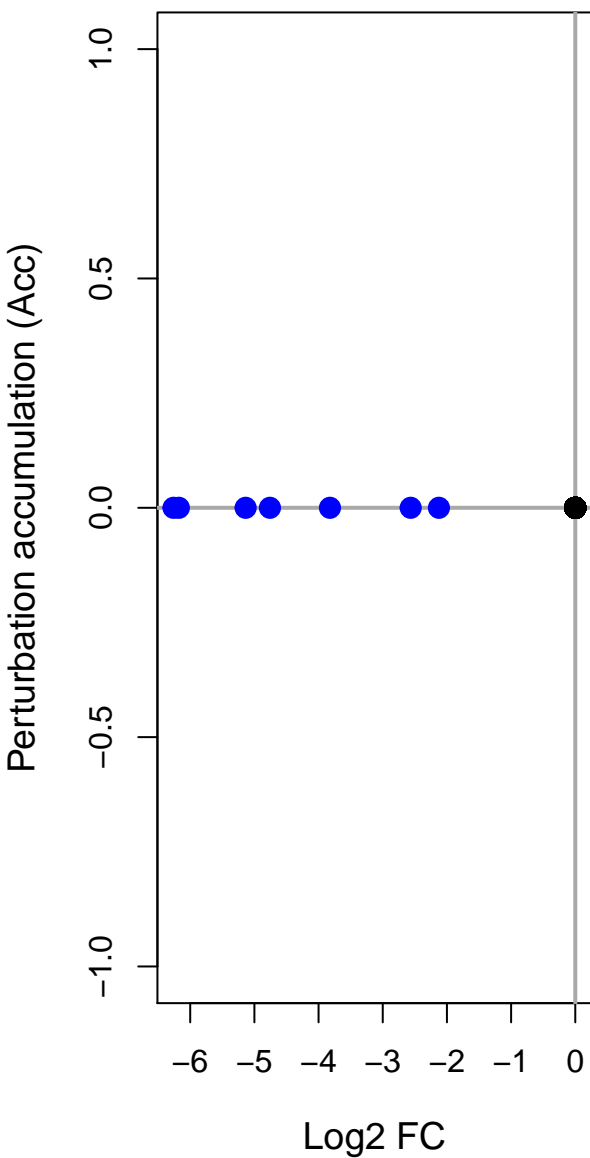
pathway ID=05146



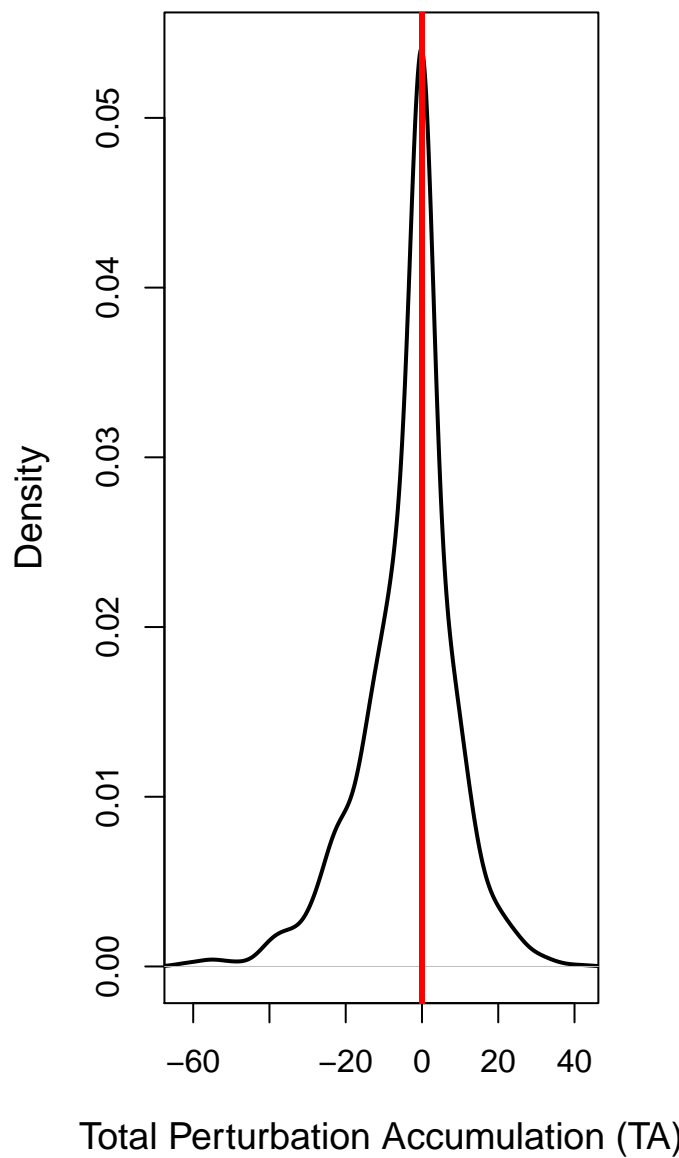
pathway ID=05146 P PERT=0.301



pathway ID=05150

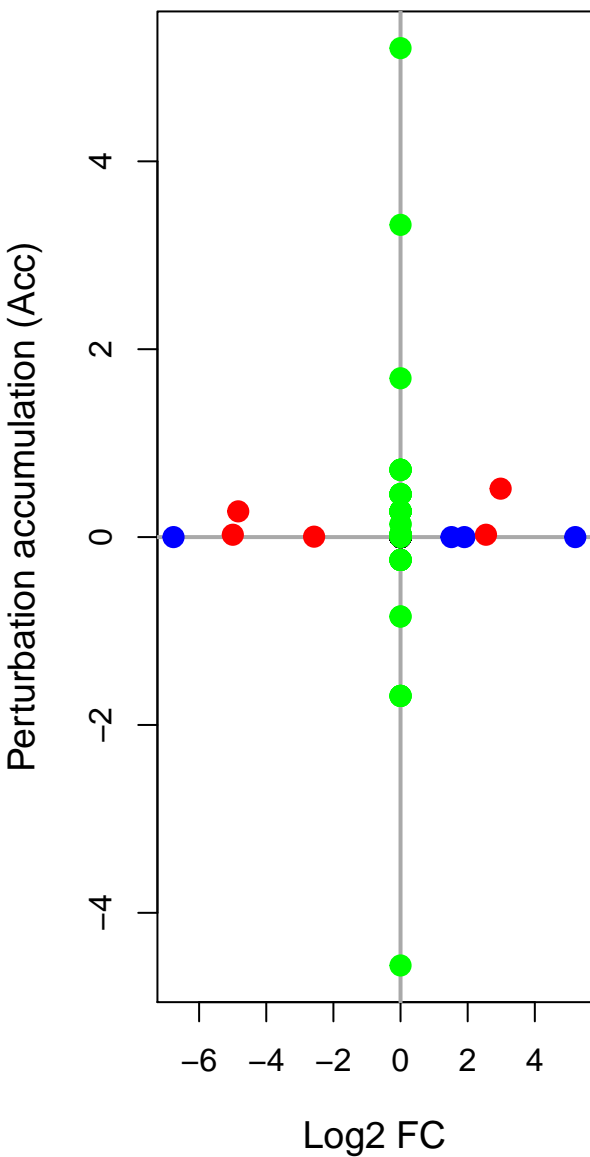


pathway ID=05150 P PERT=1

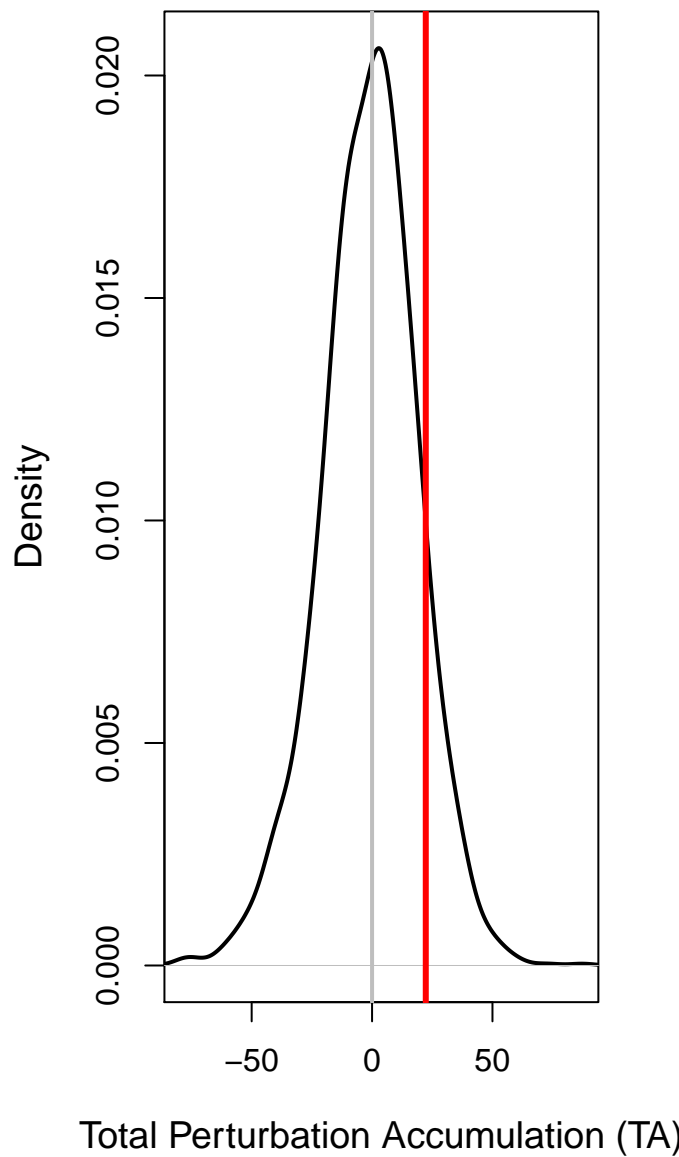




pathway ID=05152



pathway ID=05152 P PERT=0.212



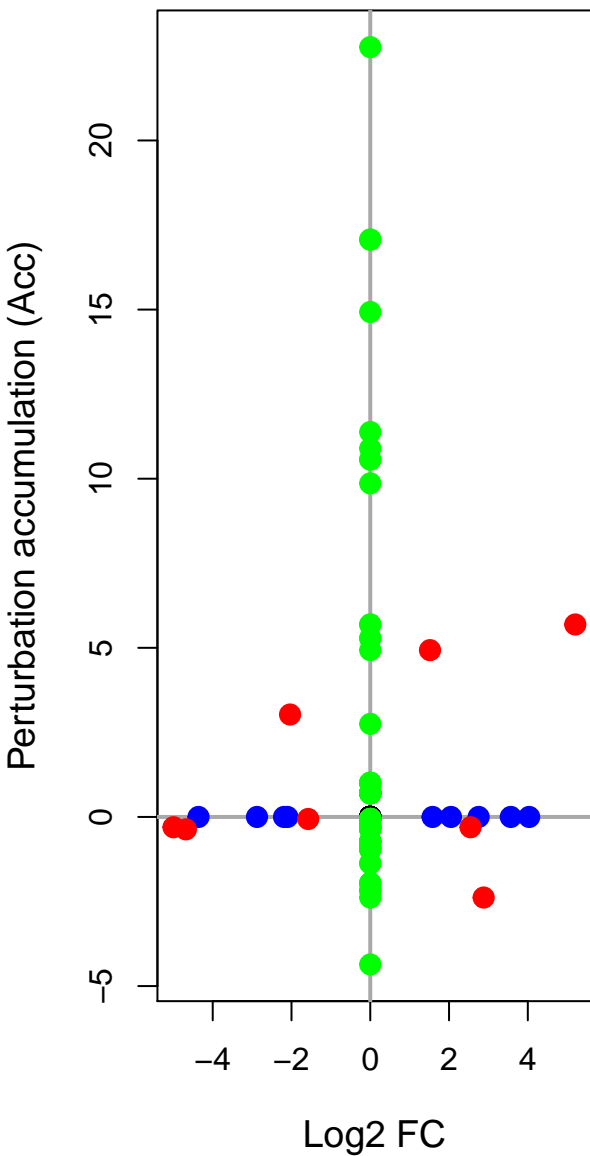
A scatter plot with x-axis from -10 to 6 and y-axis from -6 to 6. The plot shows a distribution of points colored by their distance from the origin. The points are colored blue, green, and red. The blue points are clustered near the origin (distance < 2). The green points form a ring around the blue points (distance < 4). The red points are scattered further out (distance > 4). The plot illustrates a clear pattern where points further from the origin are red, points in the middle are green, and points closest to the origin are blue.

Density

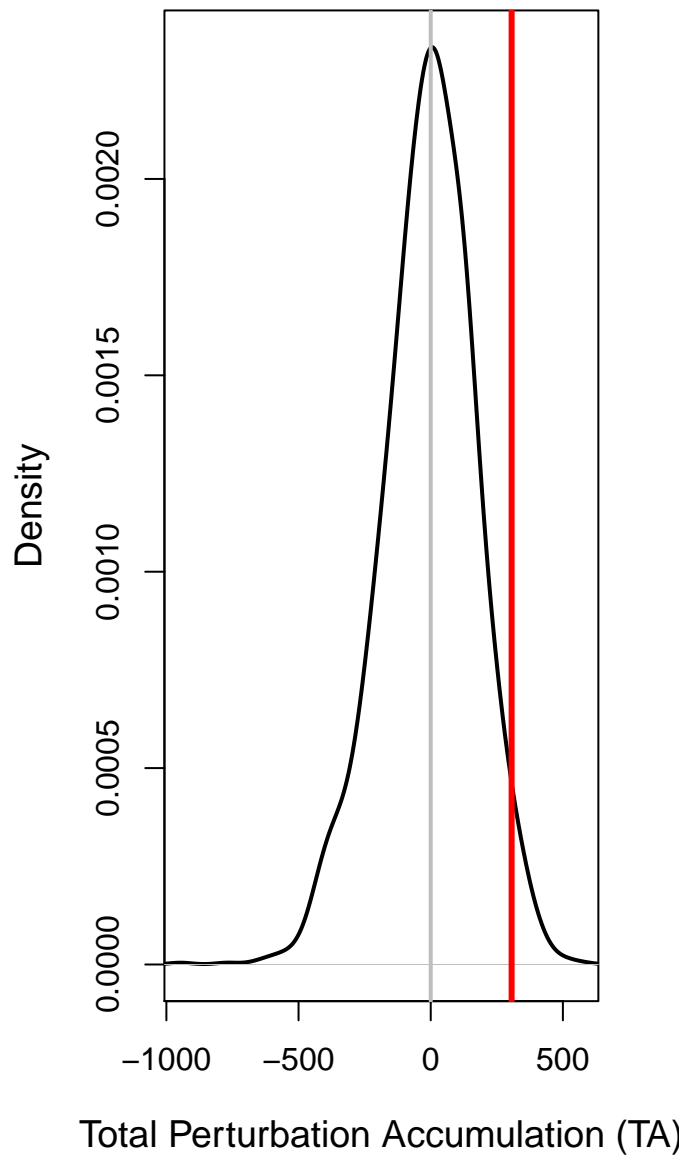
A plot of a Gaussian distribution with a mean of 0 and a standard deviation of 10. The x-axis ranges from -100 to 50, and the y-axis ranges from 0.000 to 0.014. A vertical red line is drawn at  $x = 35$ , and a vertical grey line is drawn at  $x = 0$ .

## Total Perturbation Accumulation (TA)

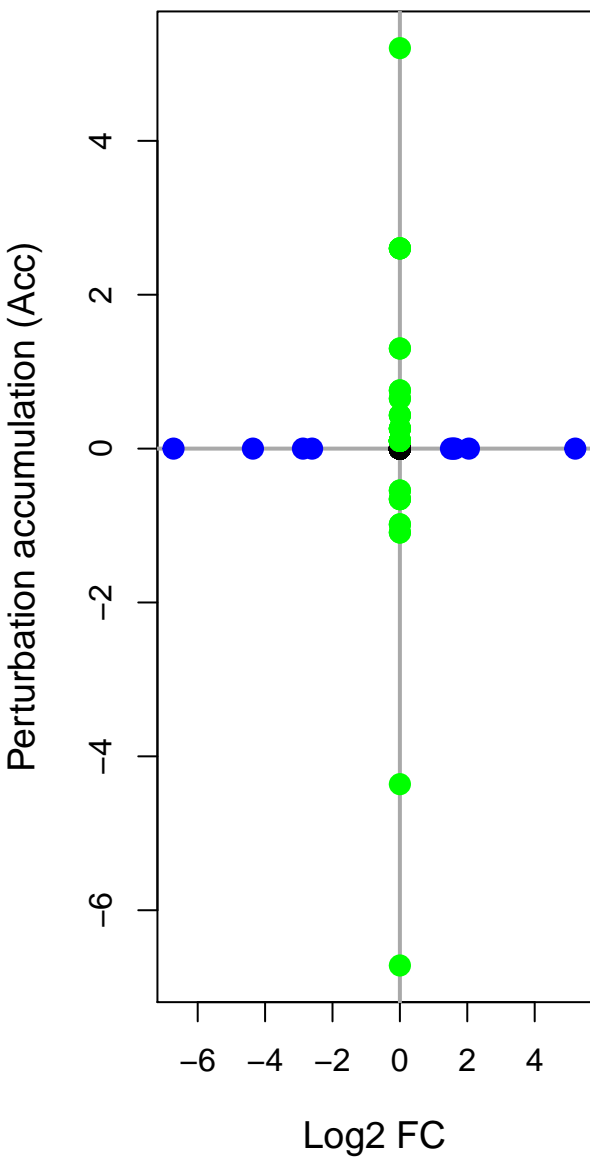
pathway ID=05161



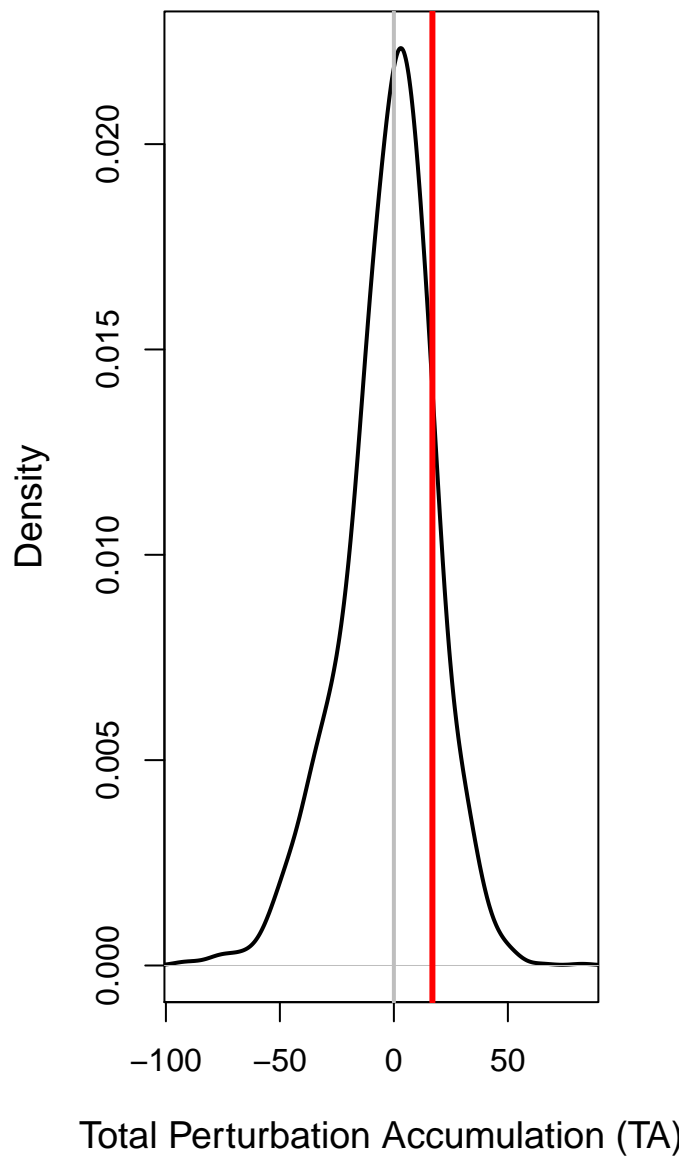
pathway ID=05161 P PERT=0.064



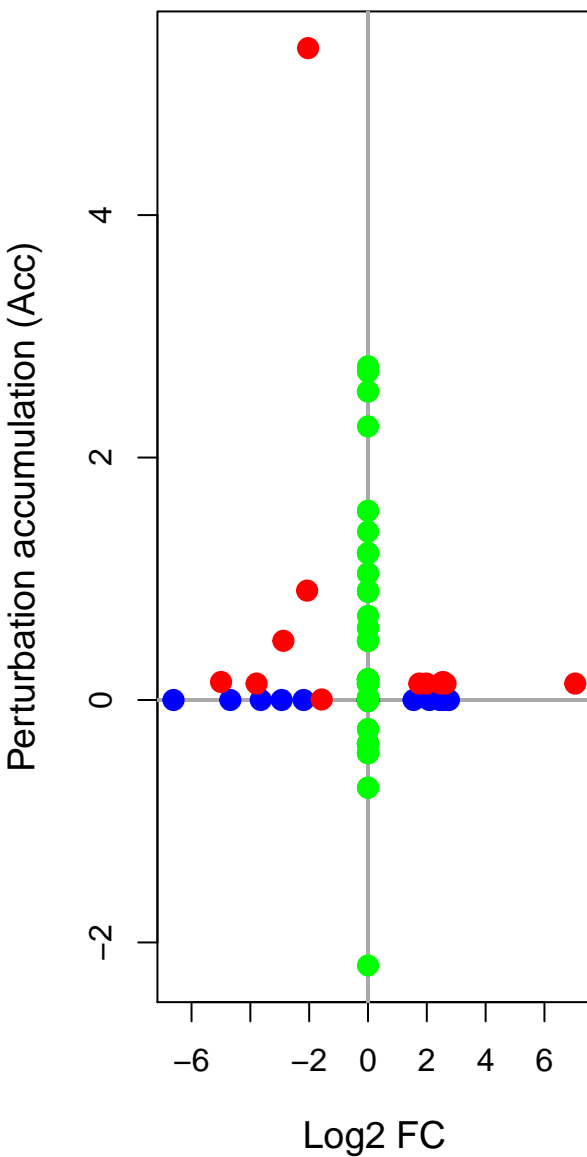
pathway ID=05162



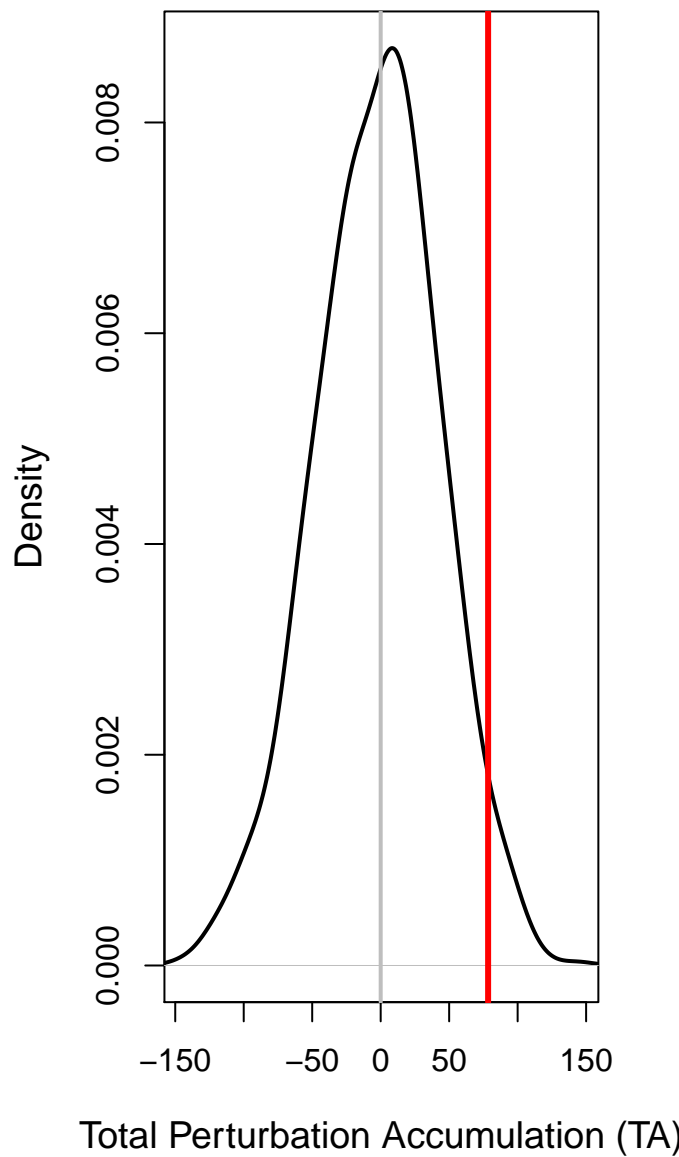
pathway ID=05162 P PERT=0.298



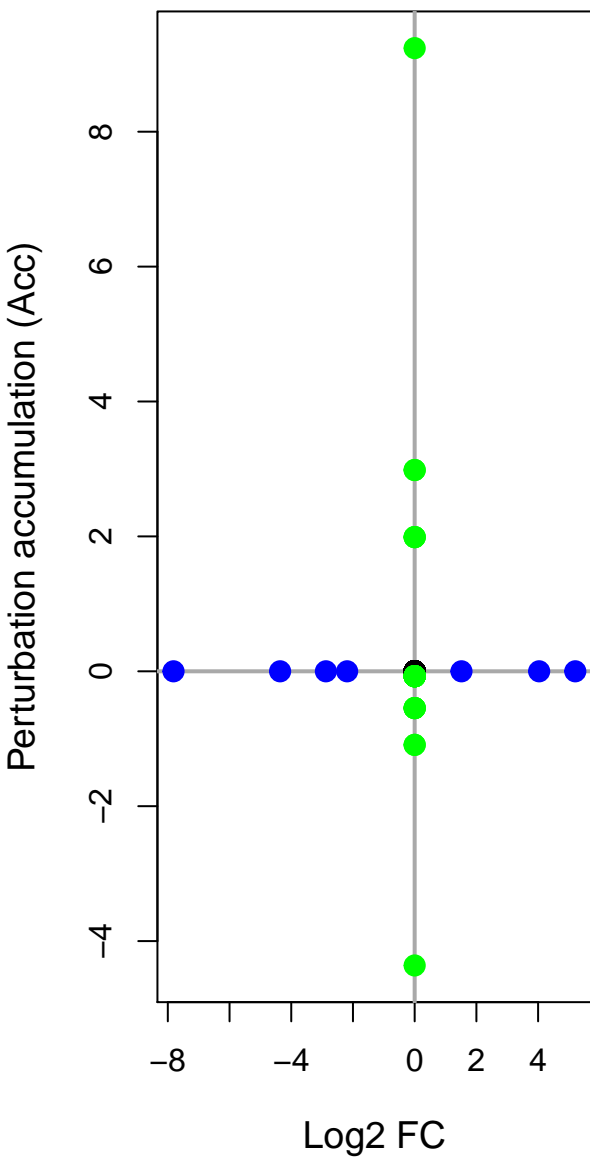
pathway ID=05163



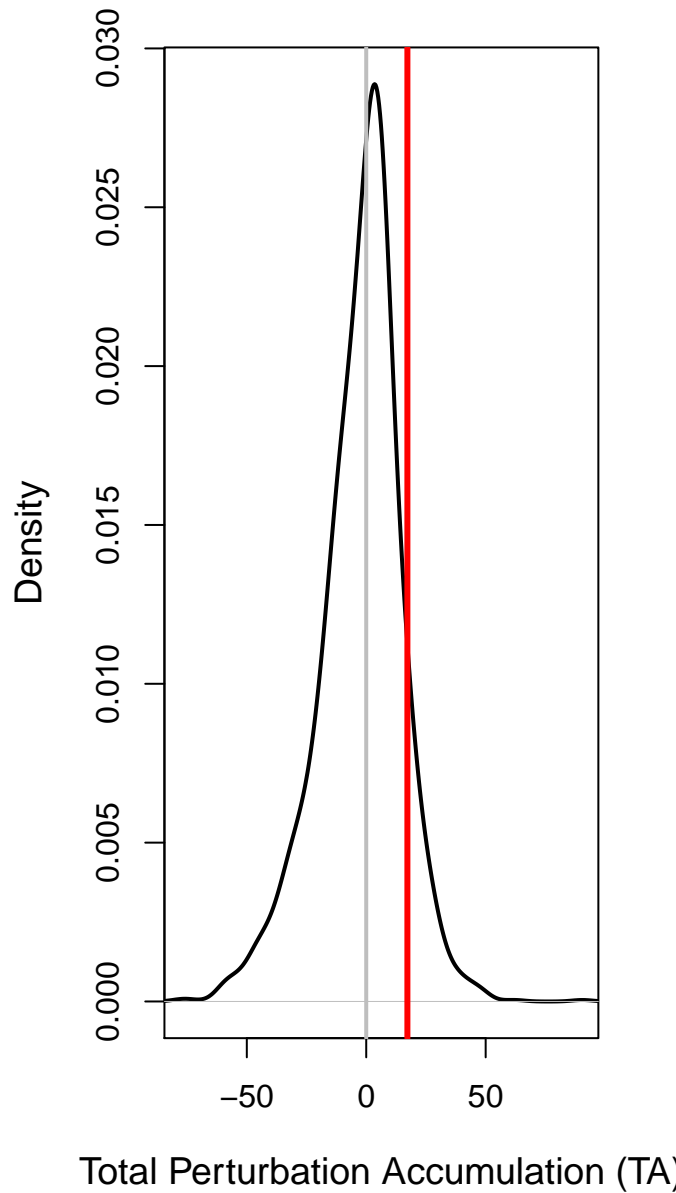
pathway ID=05163 P PERT=0.067



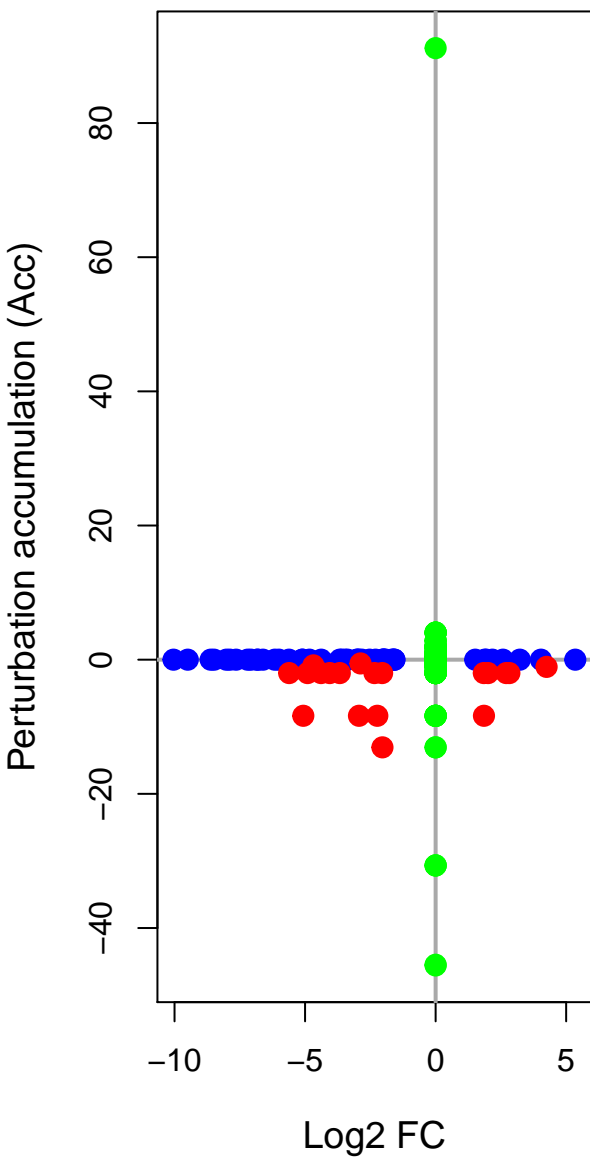
pathway ID=05164



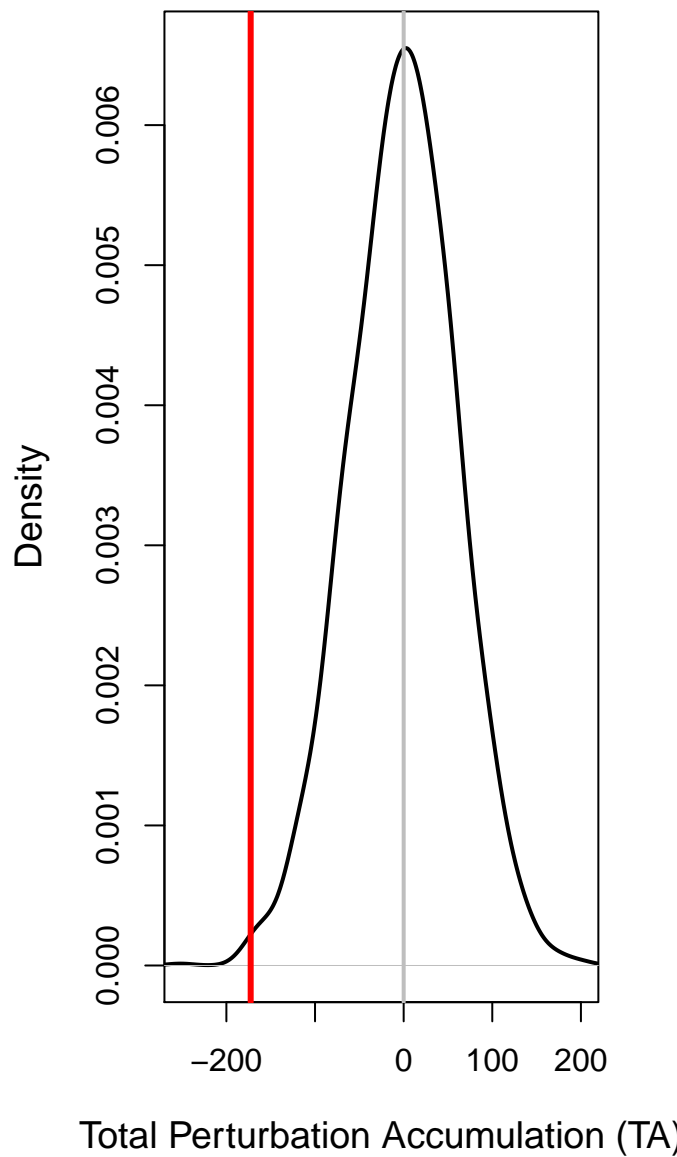
pathway ID=05164 P PERT=0.186



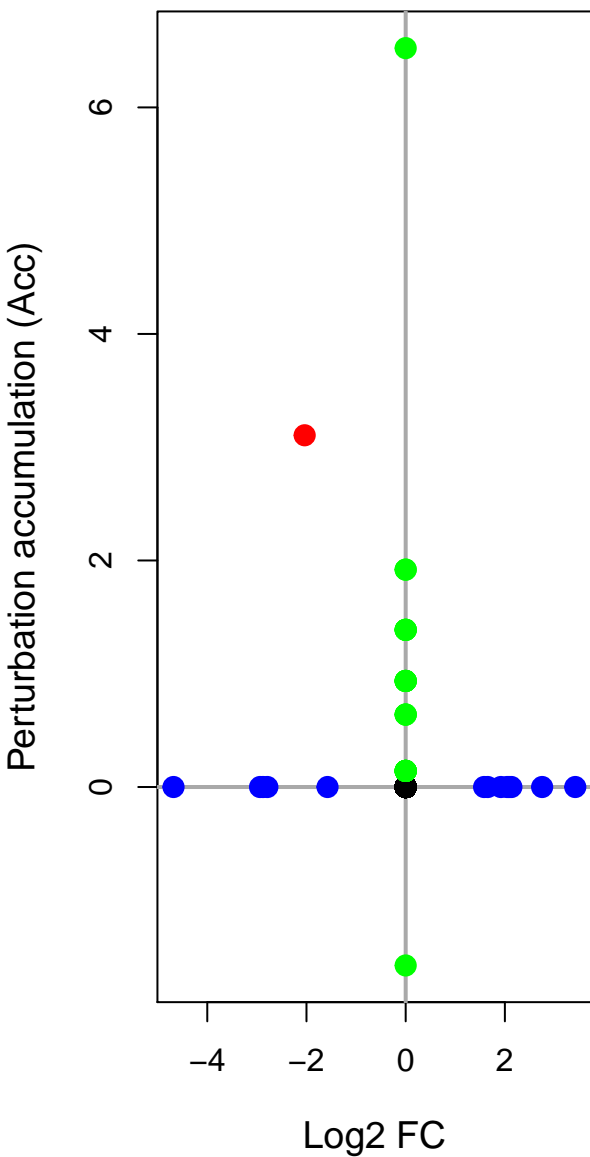
pathway ID=05165



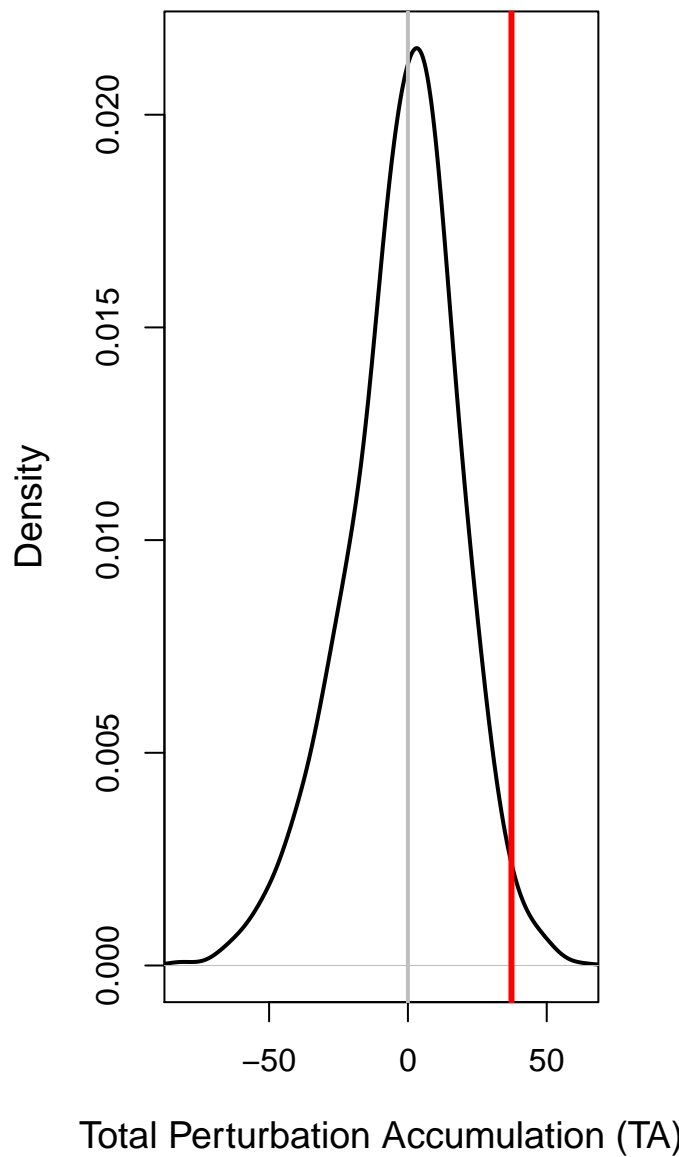
pathway ID=05165 P PERT=0.005



pathway ID=05166

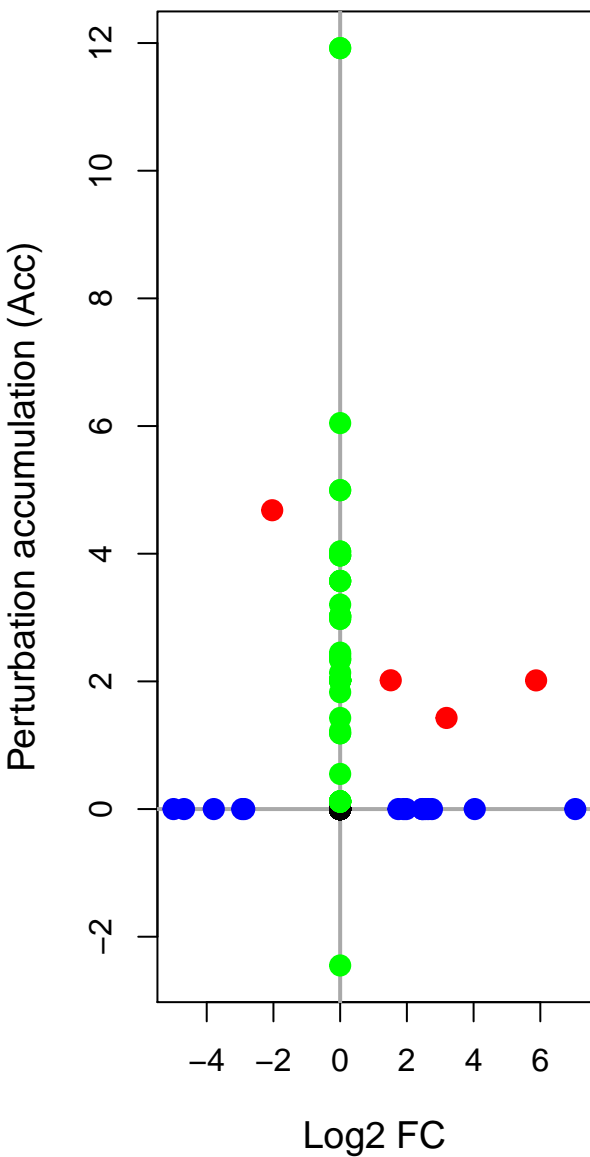


pathway ID=05166 P PERT=0.035

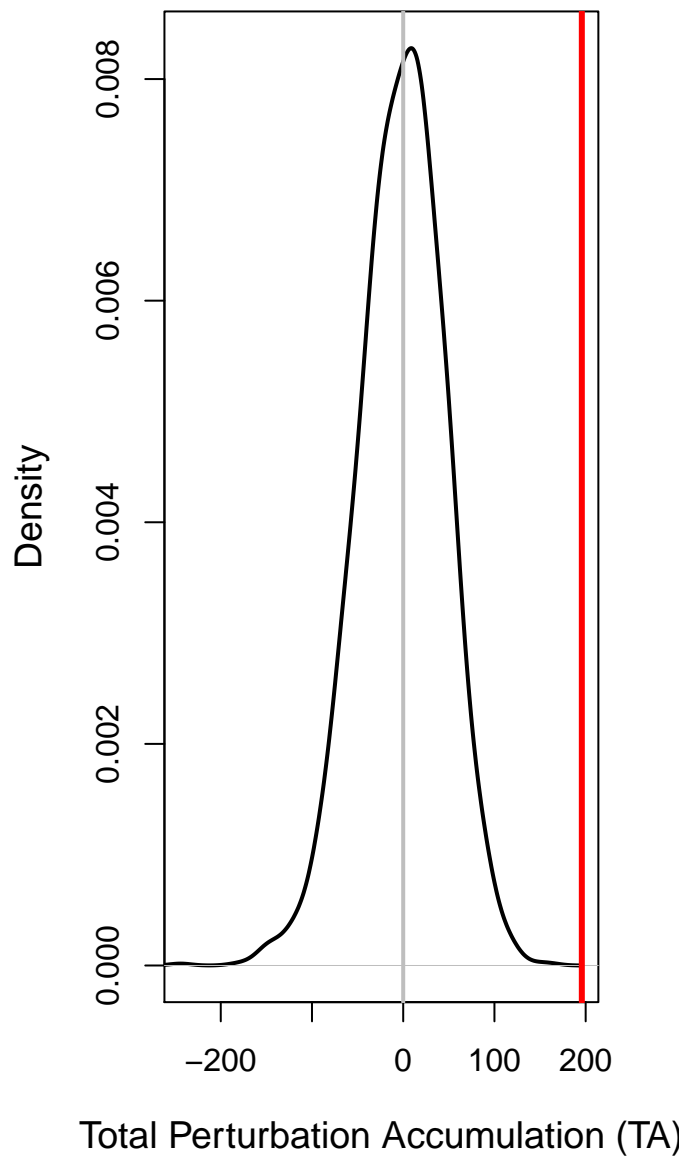




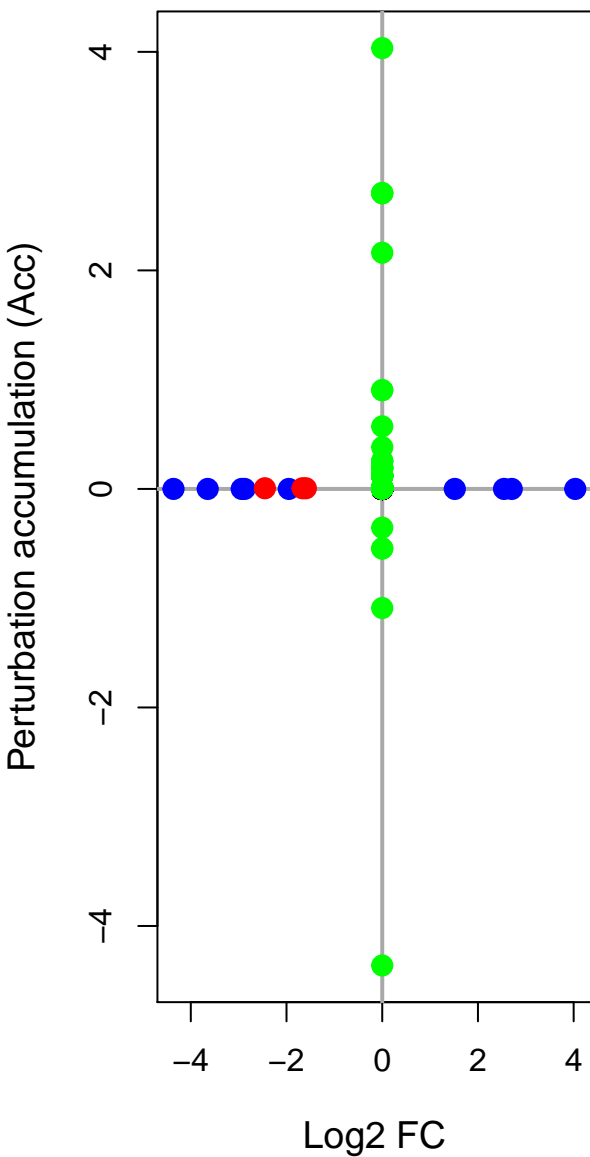
pathway ID=05167



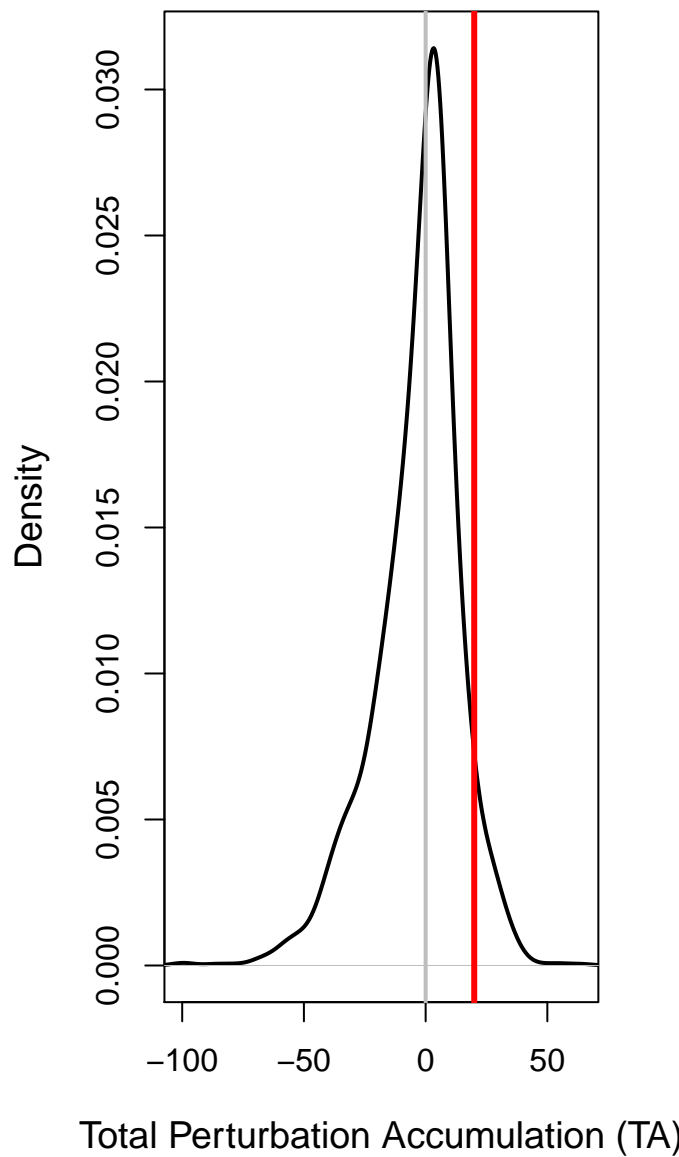
pathway ID=05167 P PERT=0



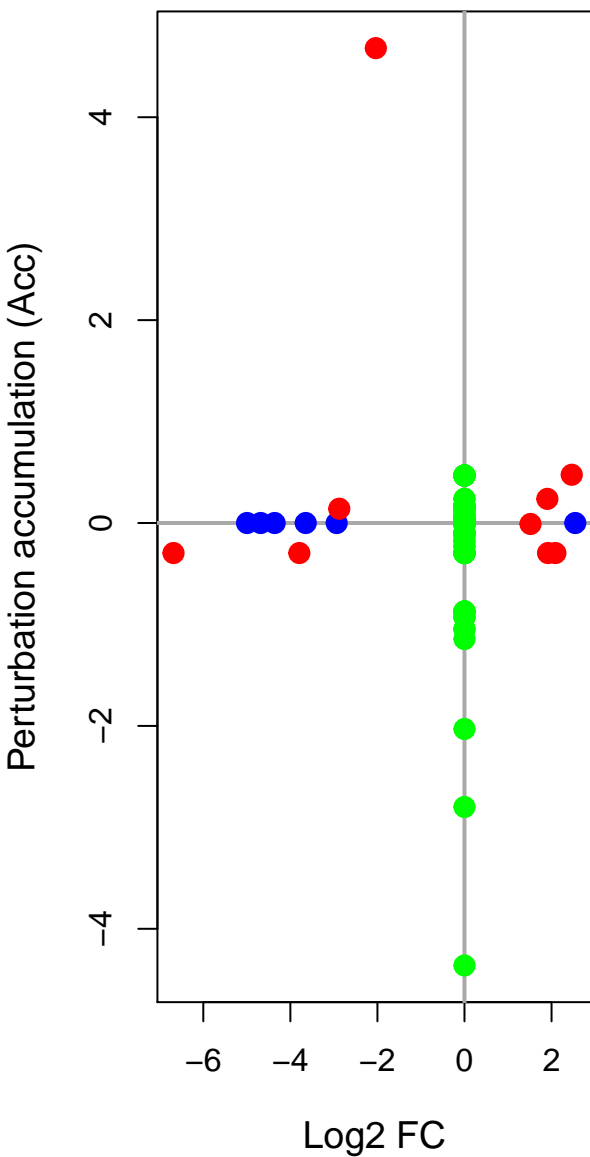
pathway ID=05168



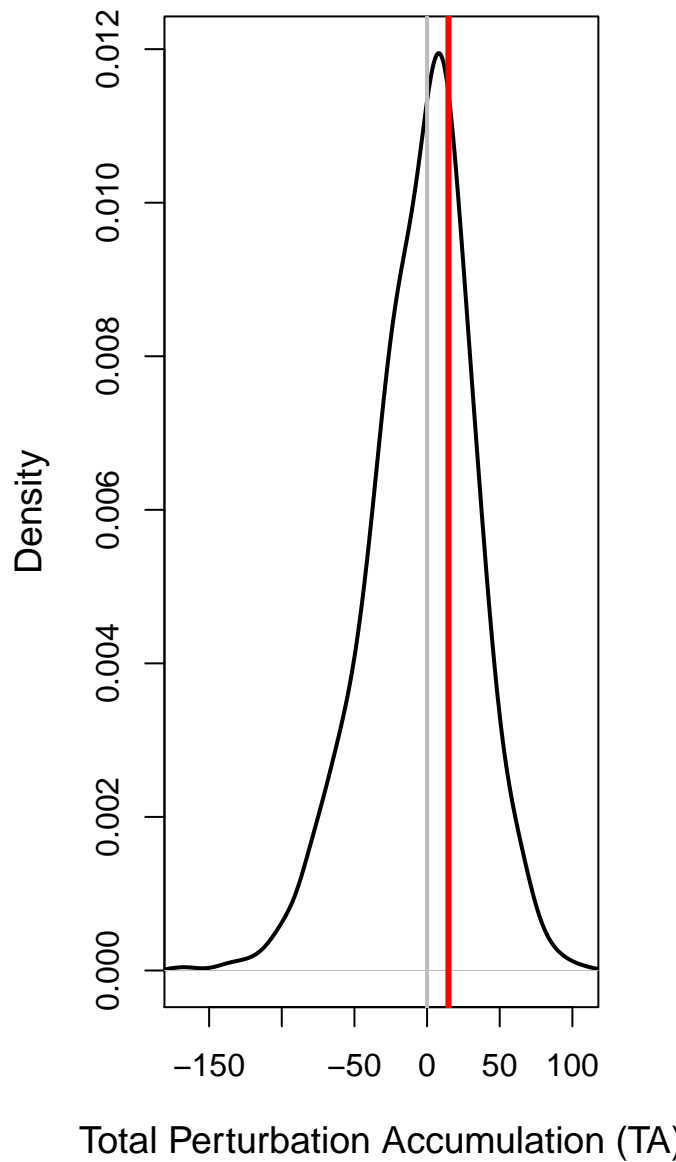
pathway ID=05168 P PERT=0.111



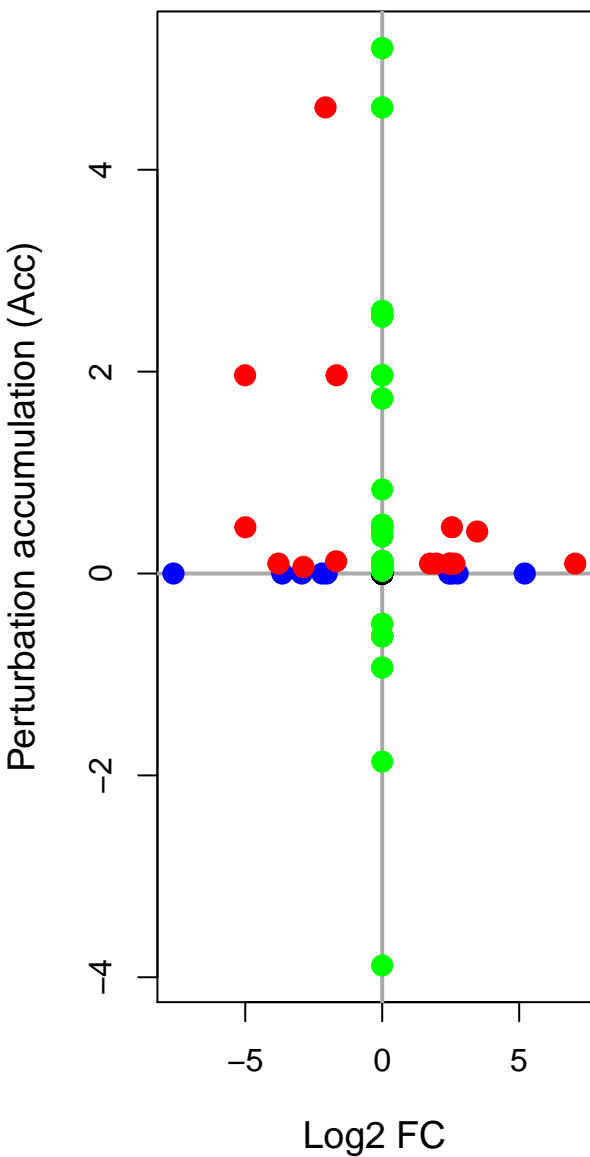
pathway ID=05169



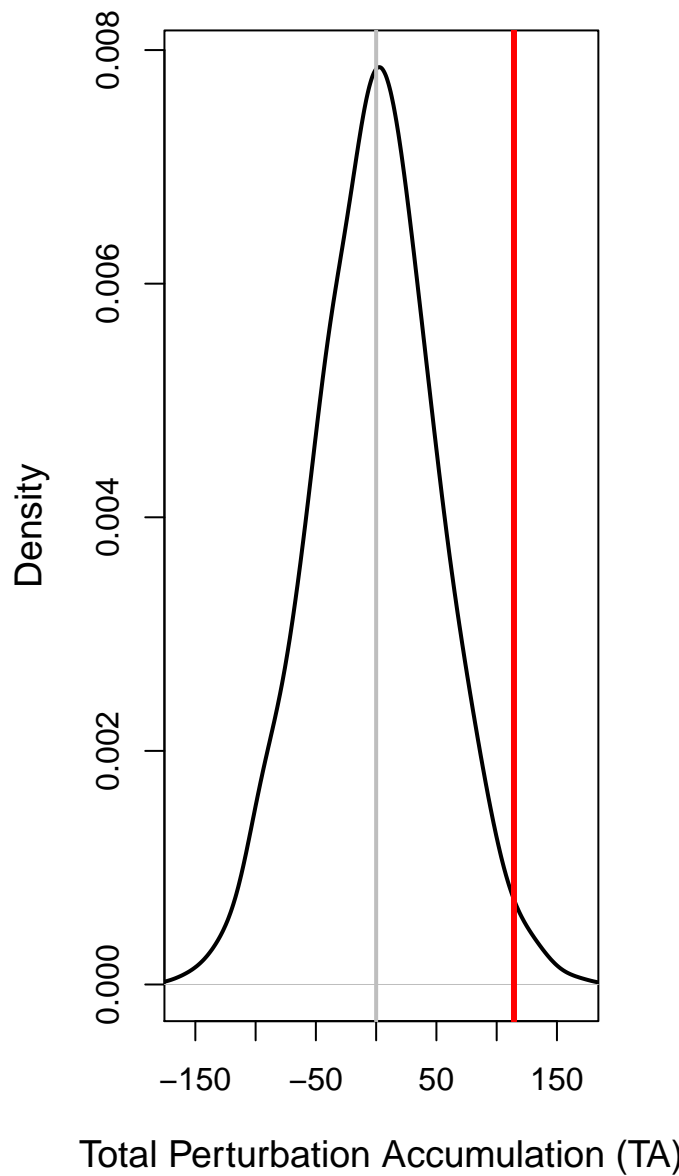
pathway ID=05169 P PERT=0.611



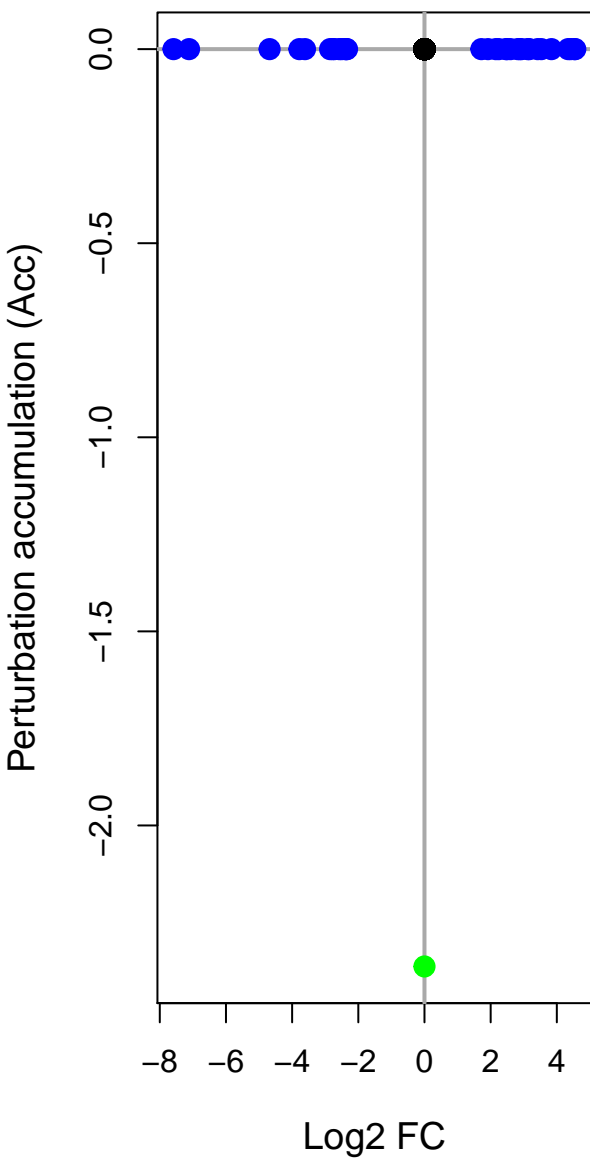
pathway ID=05170



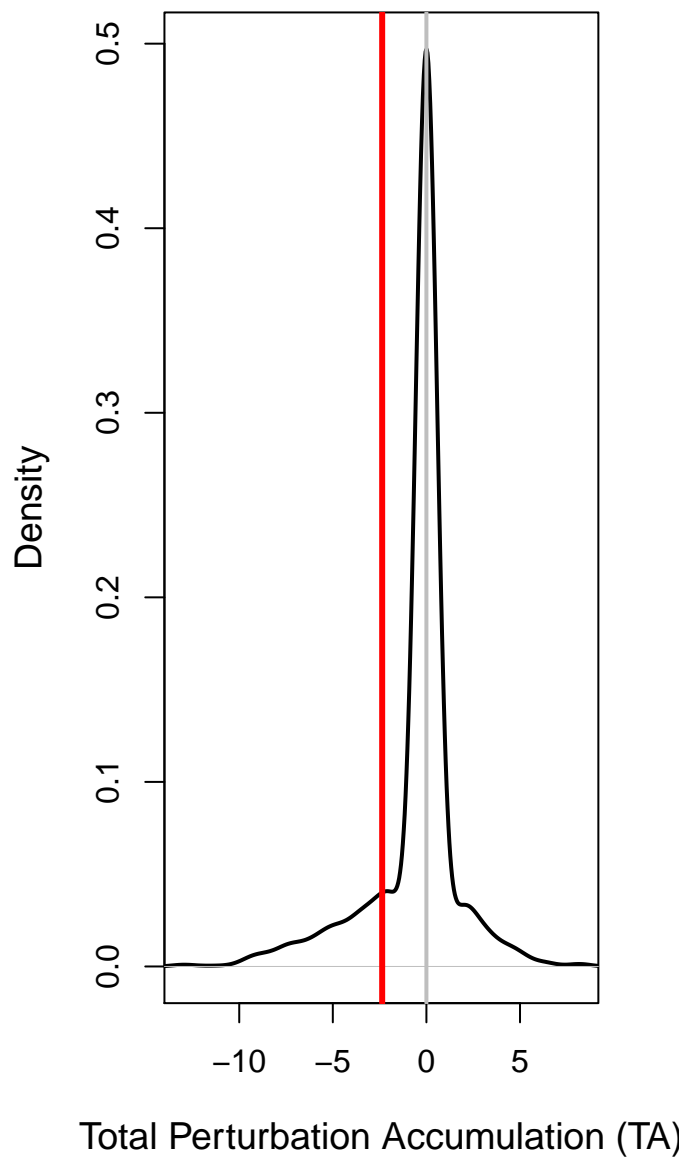
pathway ID=05170 P PERT=0.033



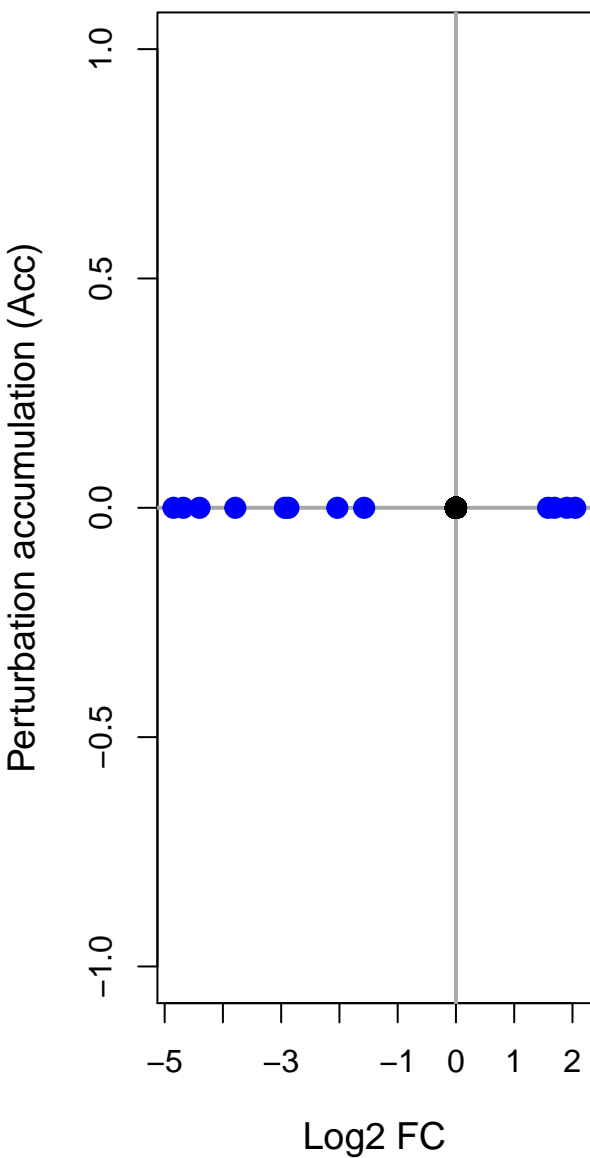
pathway ID=05202



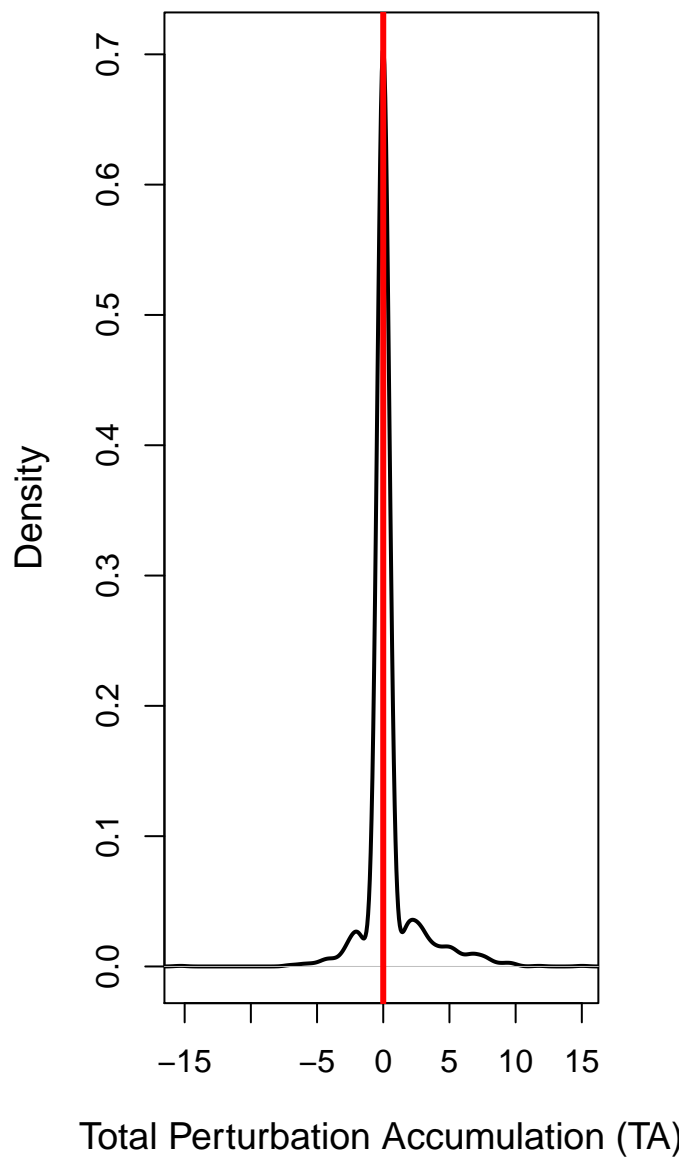
pathway ID=05202 P PERT=0.278



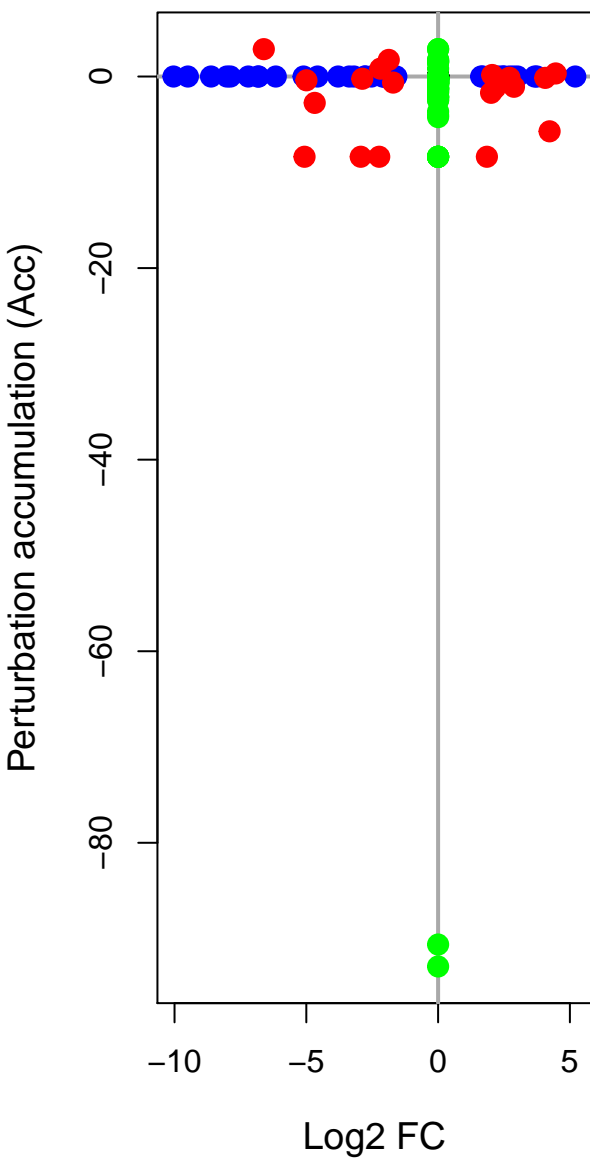
pathway ID=05203



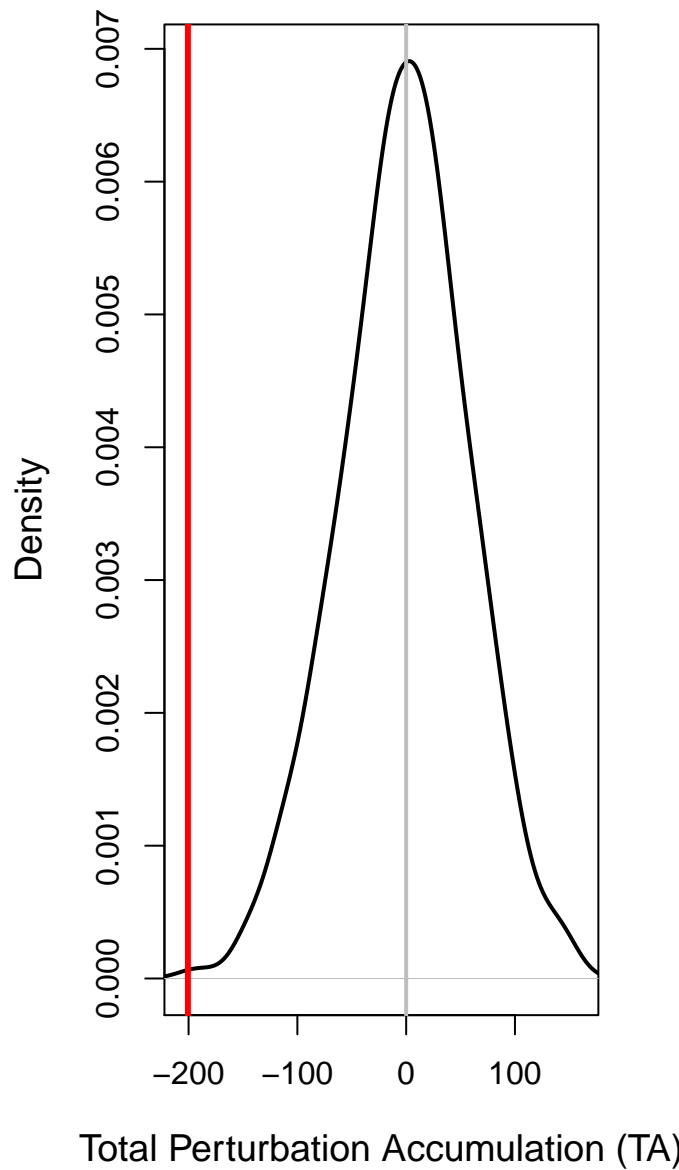
pathway ID=05203 P PERT=1



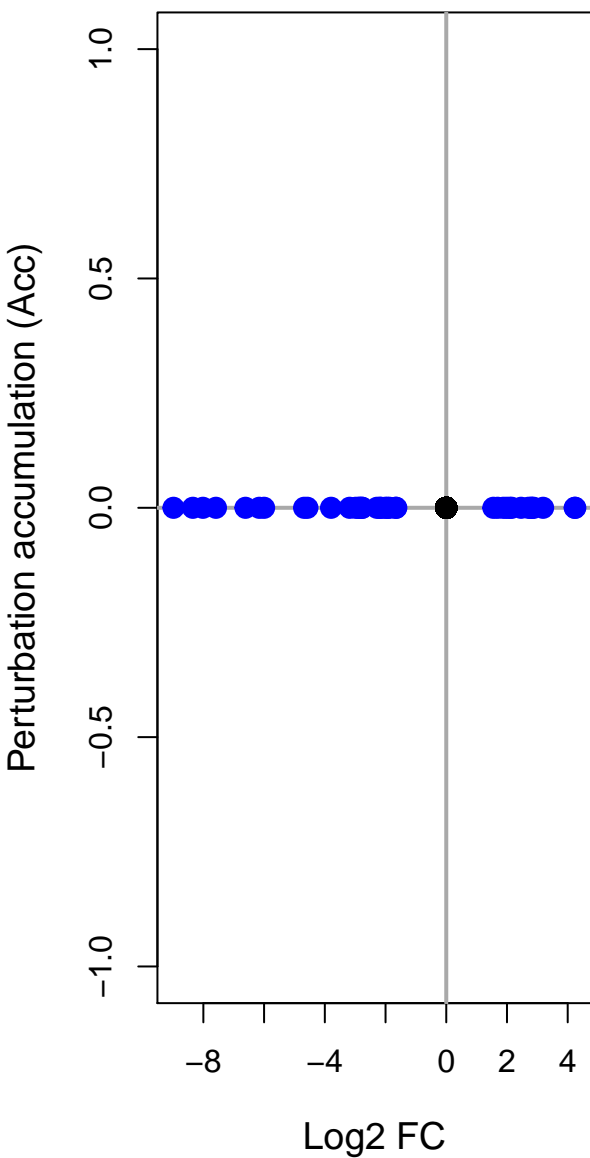
pathway ID=05205



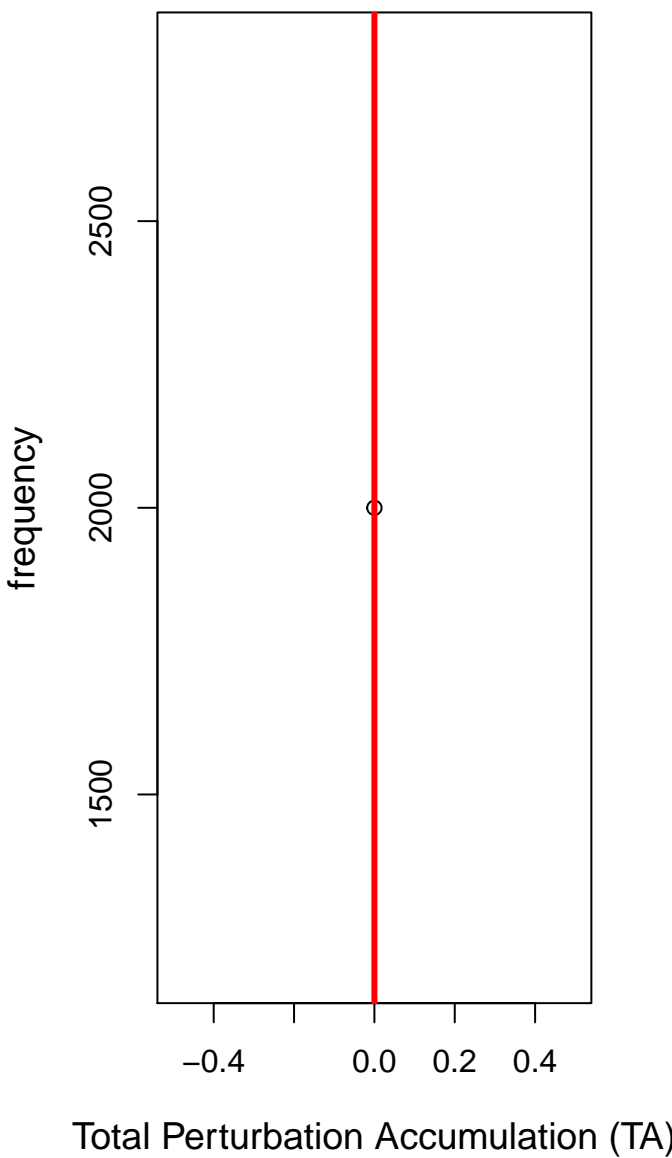
pathway ID=05205 P PERT=0.001



pathway ID=05206

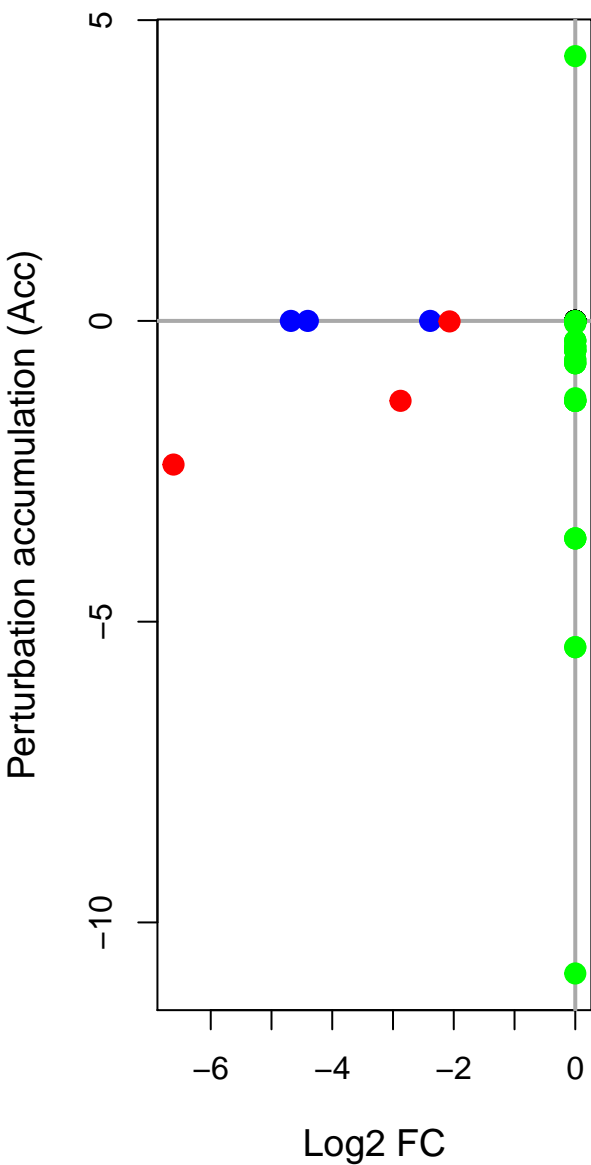


pathway ID=05206 P PERT=NA

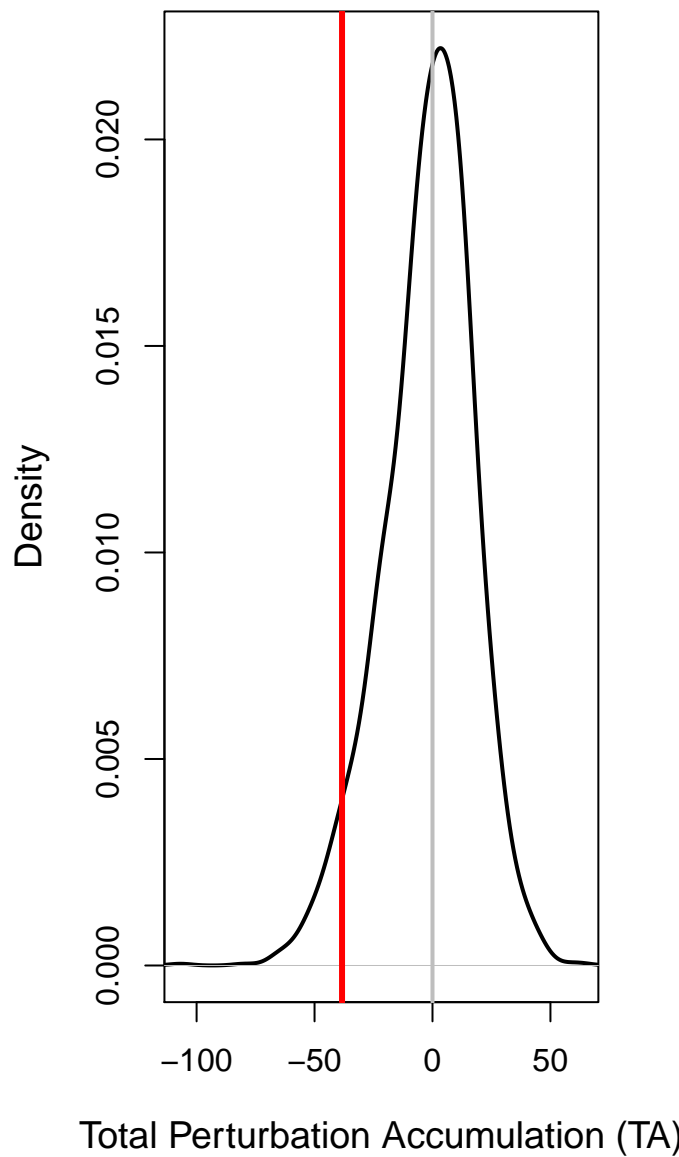




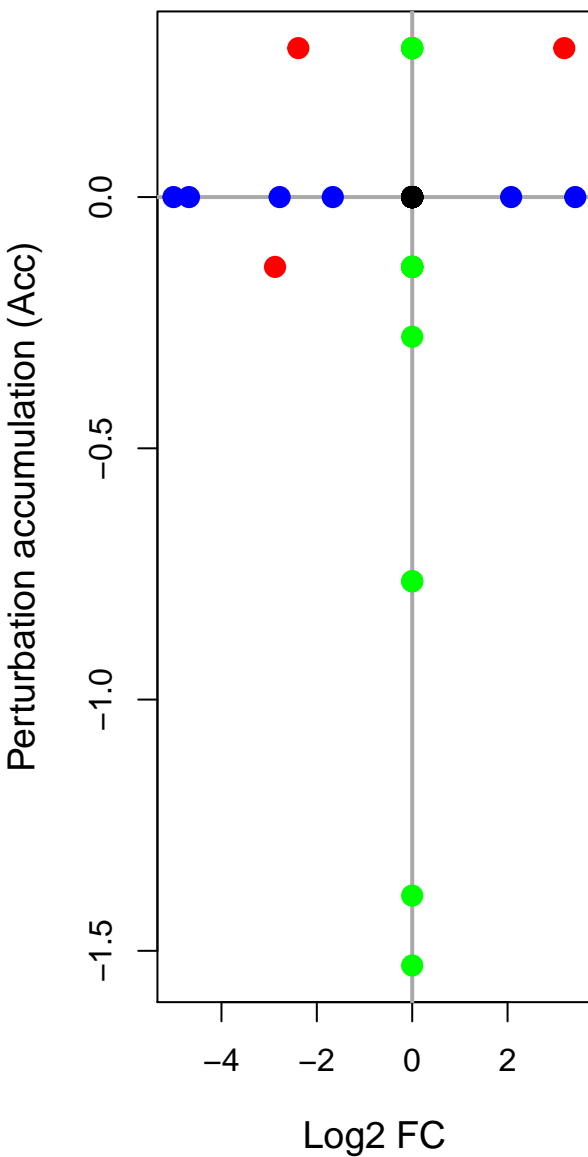
pathway ID=05210



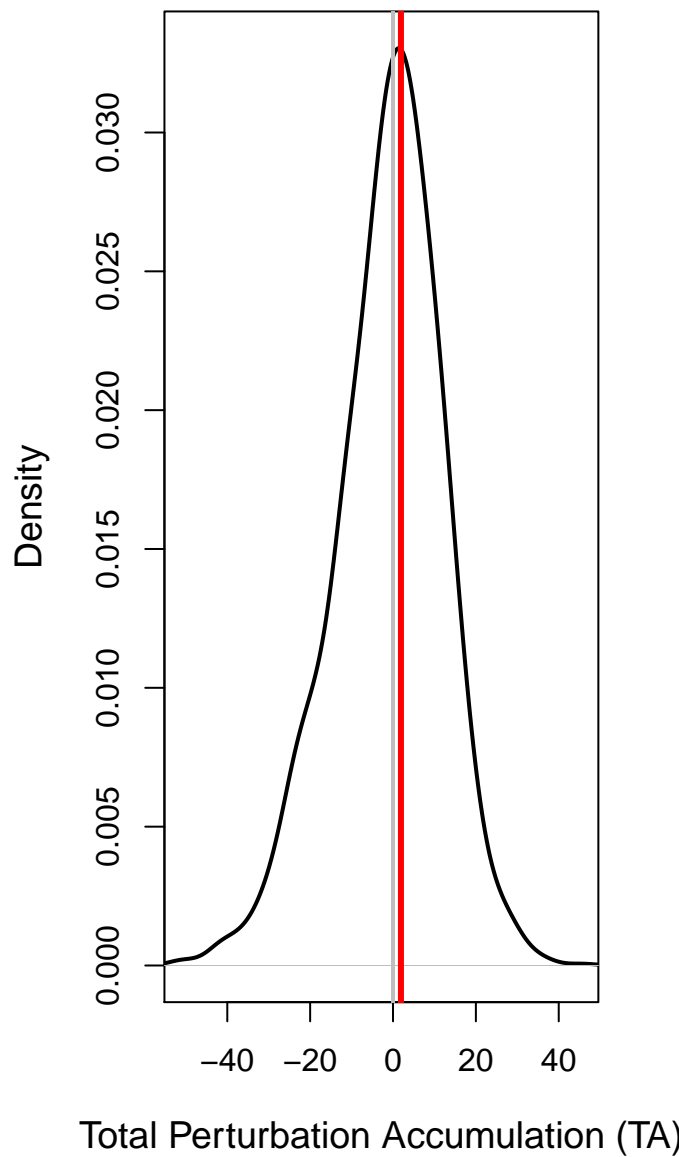
pathway ID=05210 P PERT=0.095



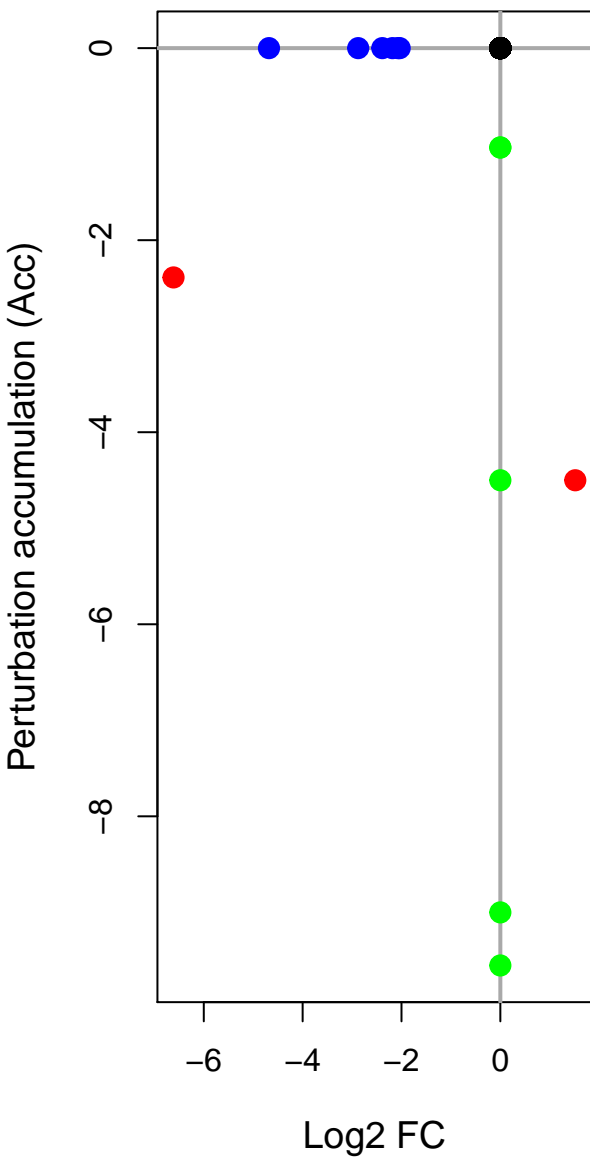
pathway ID=05211



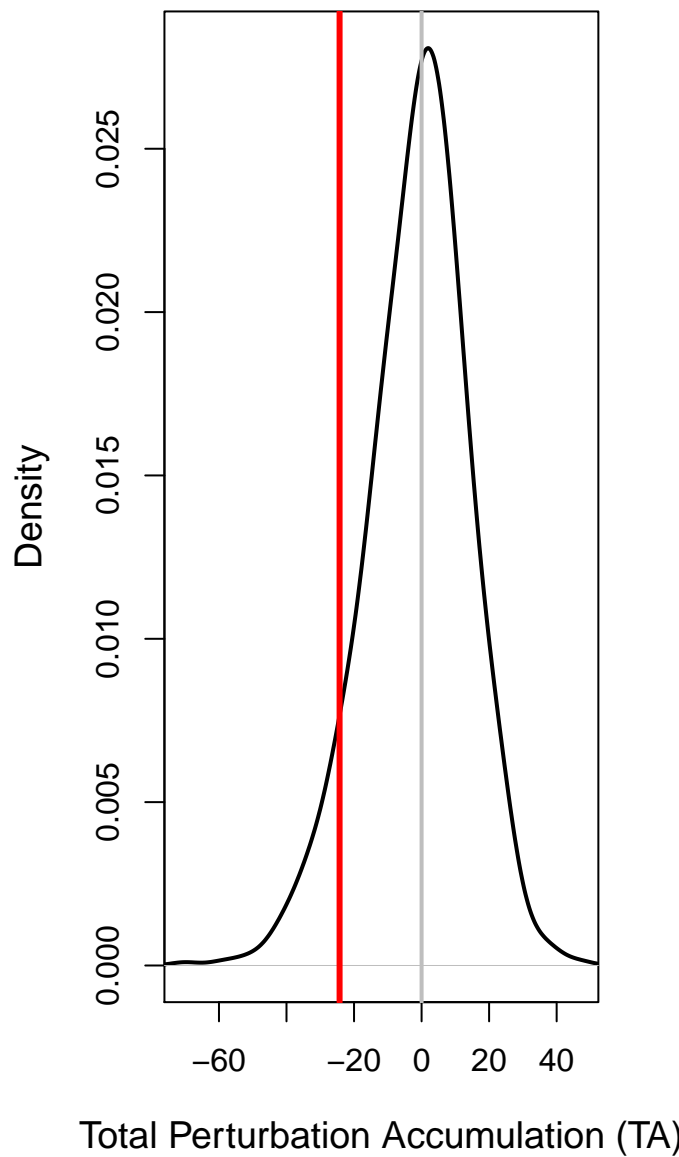
pathway ID=05211 P PERT=0.87



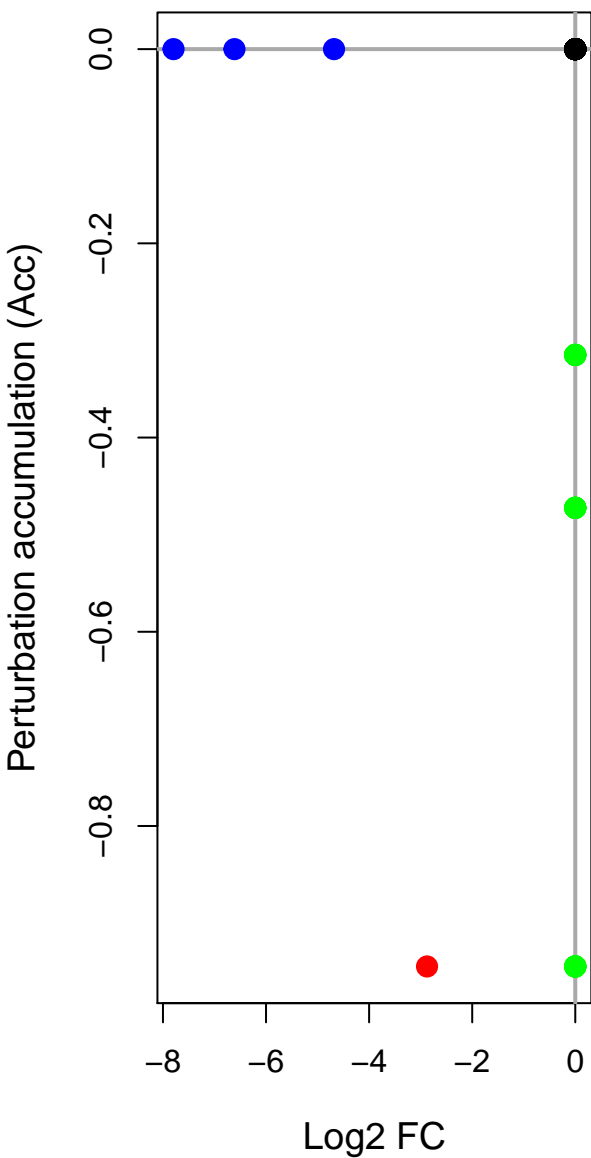
pathway ID=05212



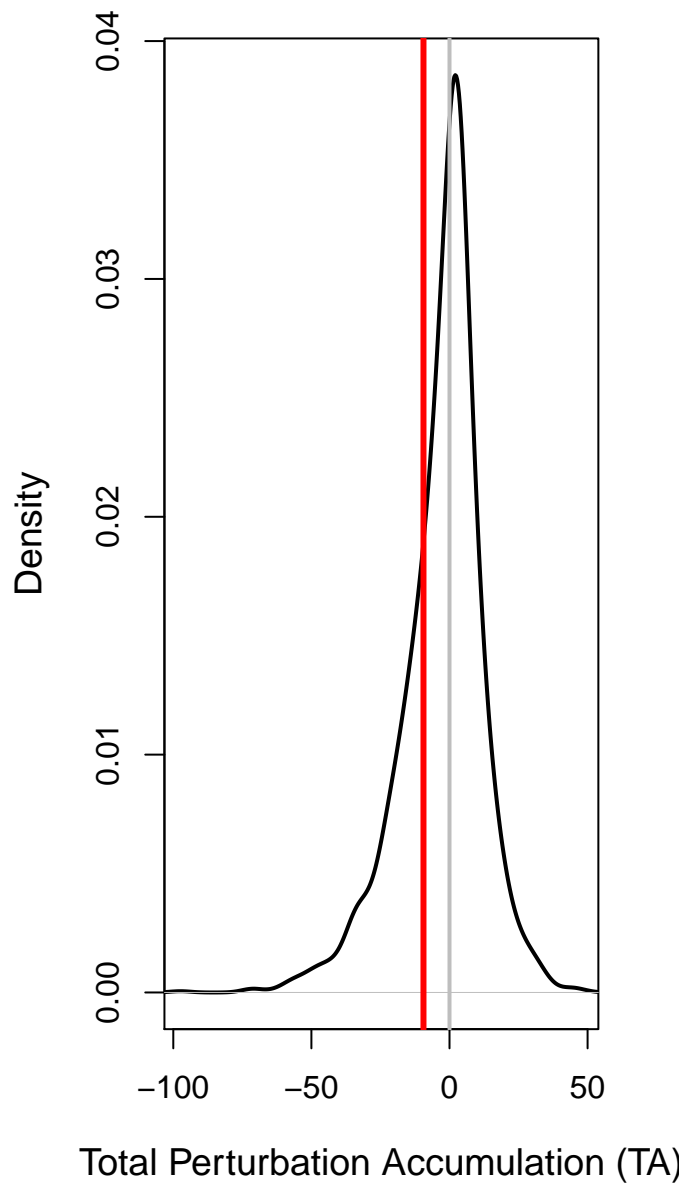
pathway ID=05212 P PERT=0.155



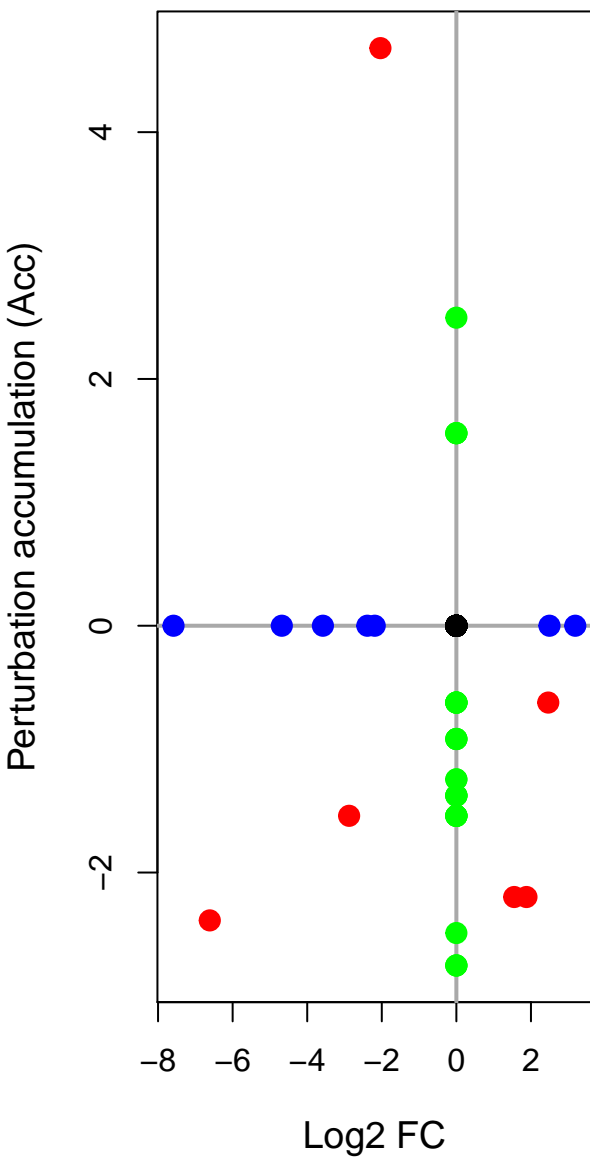
pathway ID=05213



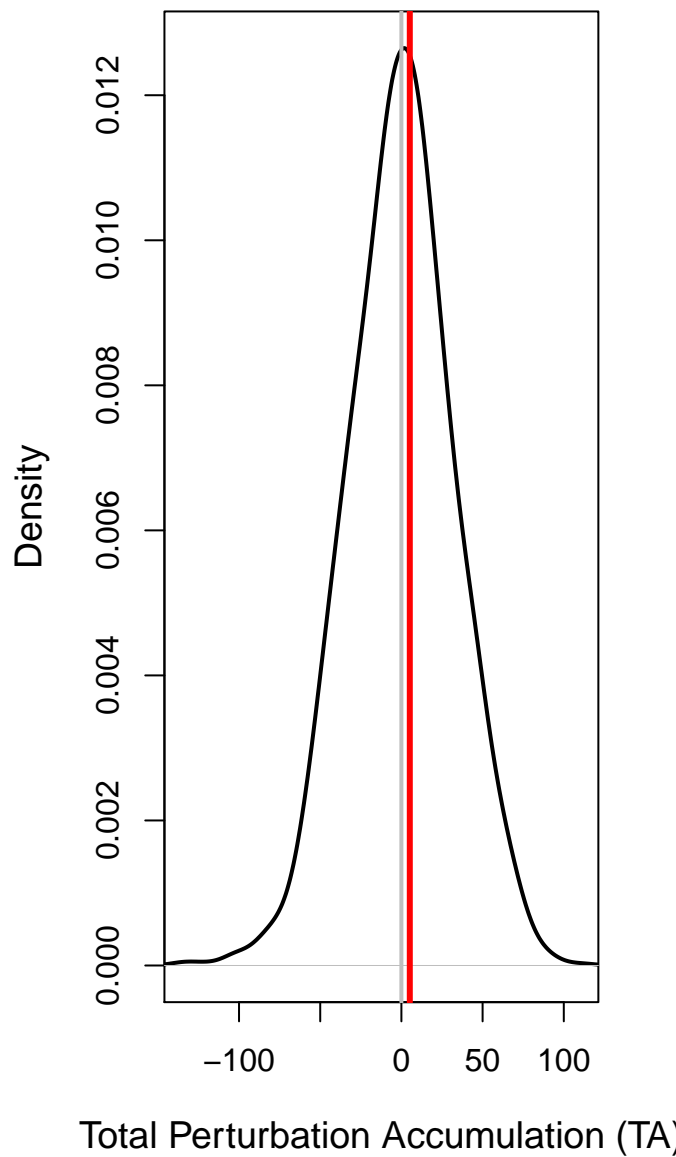
pathway ID=05213 P PERT=0.518



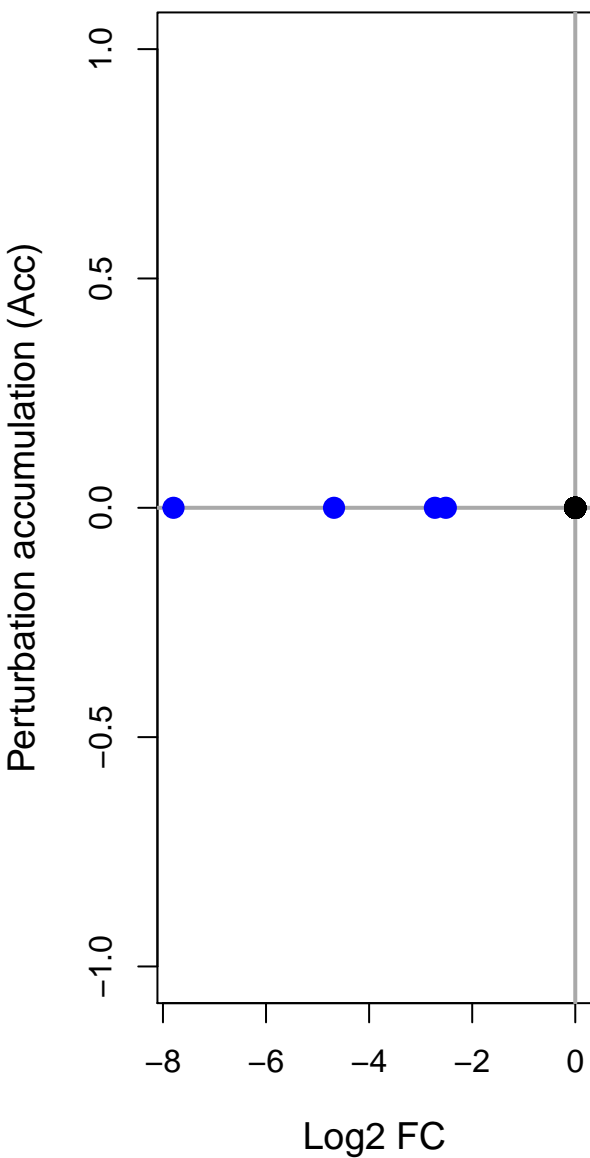
pathway ID=05214



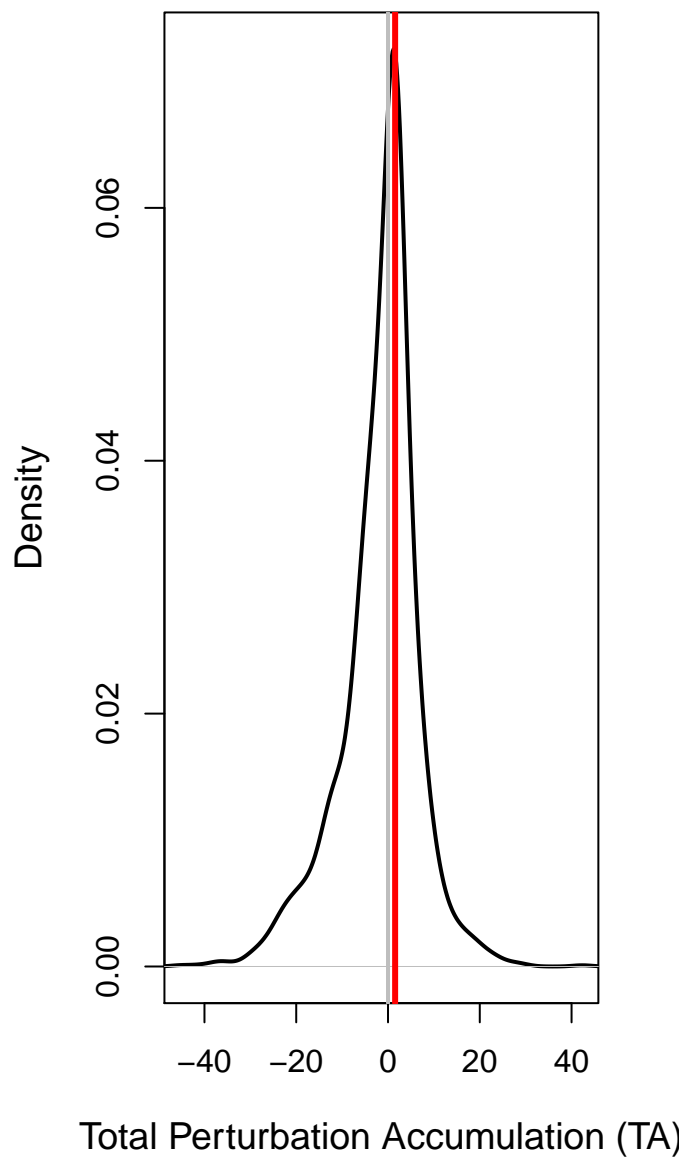
pathway ID=05214 P PERT=0.871



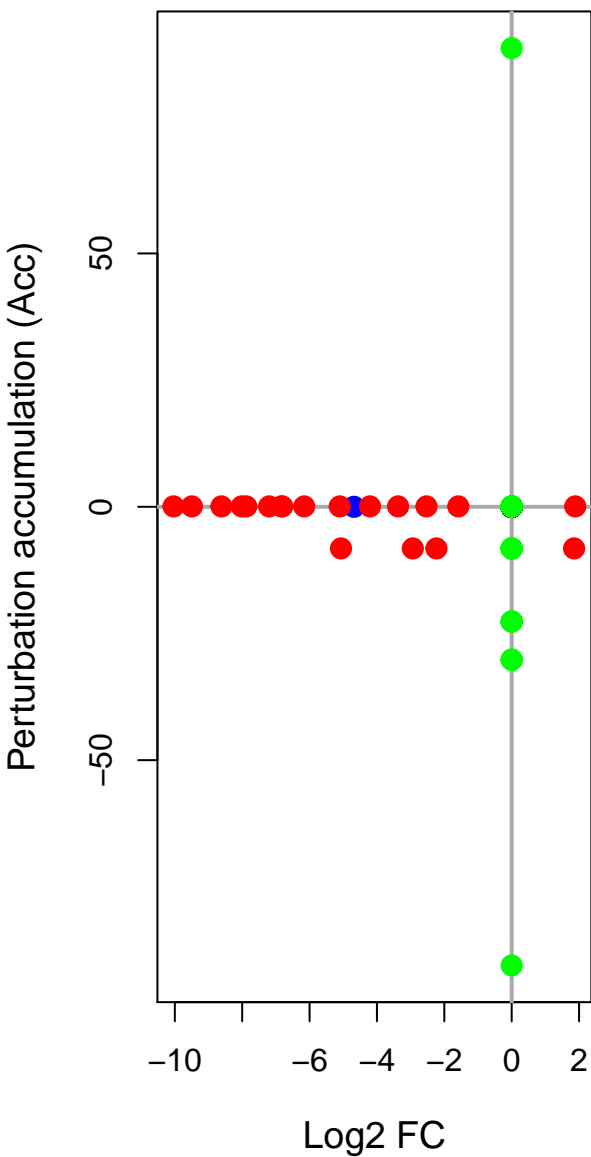
pathway ID=05216



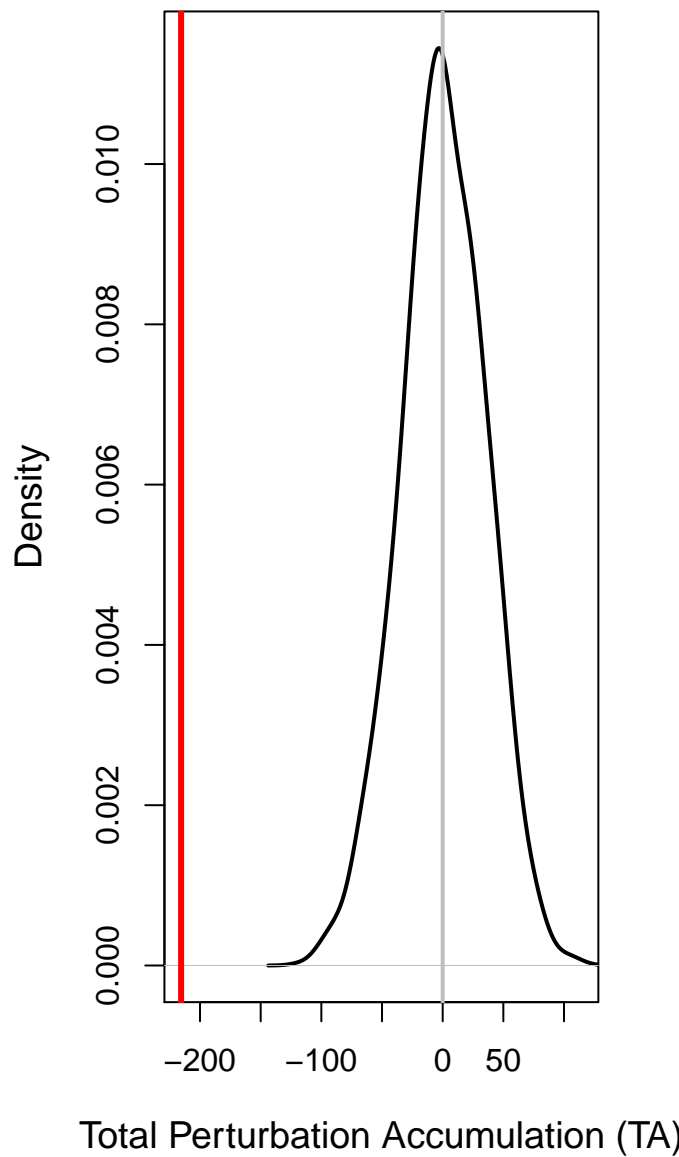
pathway ID=05216 P PERT=0.942



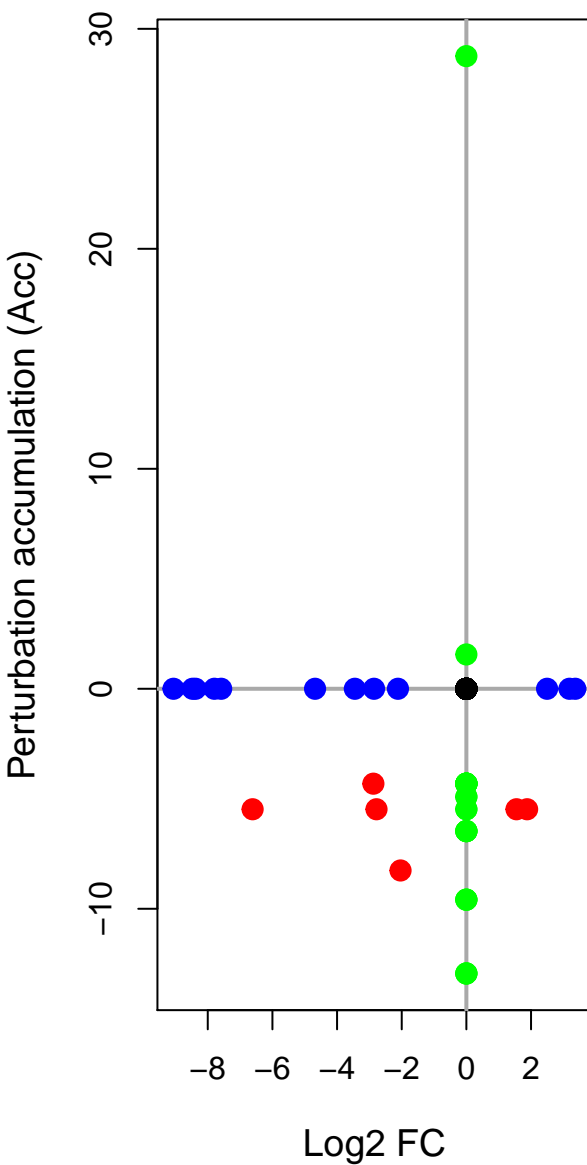
pathway ID=05217



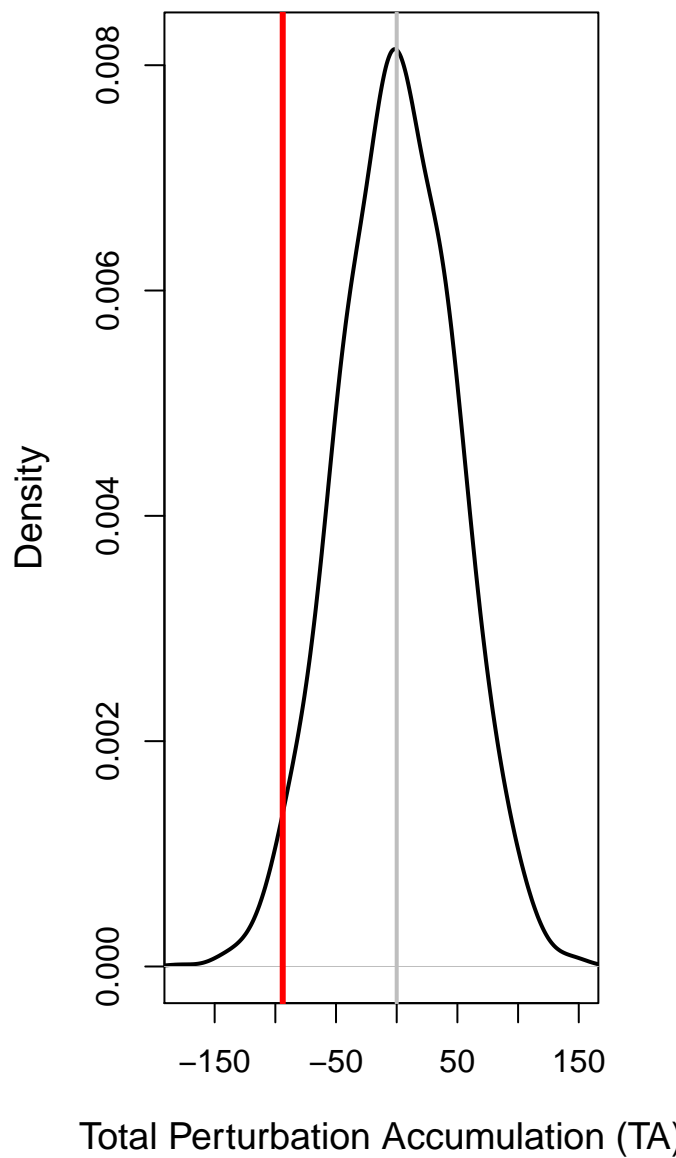
pathway ID=05217 P PERT=0



pathway ID=05218

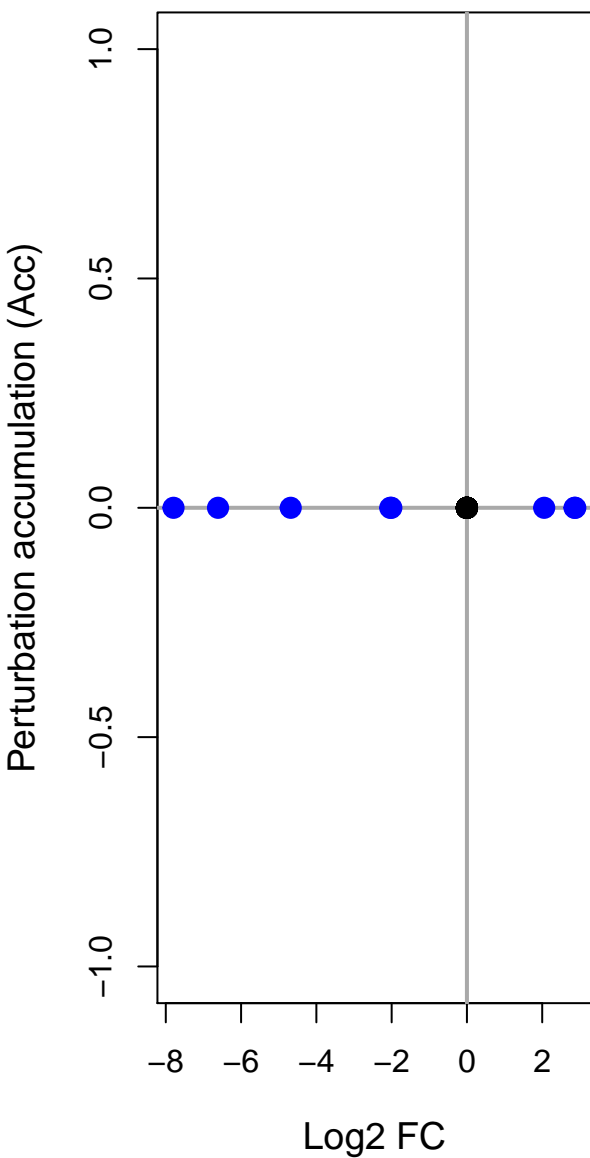


pathway ID=05218 P PERT=0.045

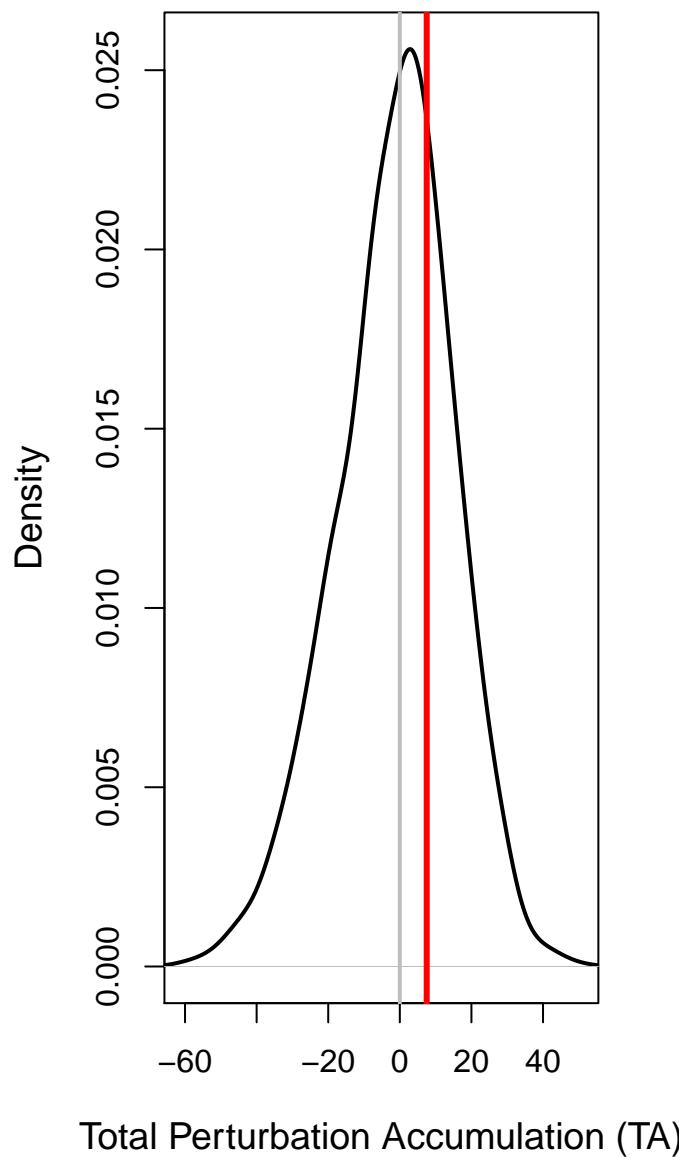




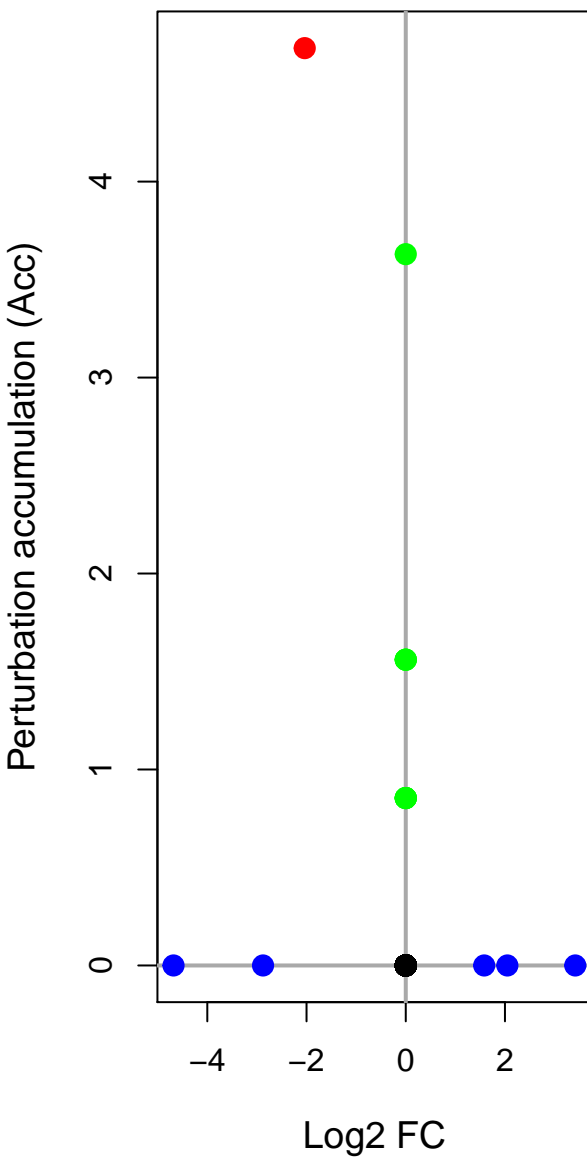
pathway ID=05219



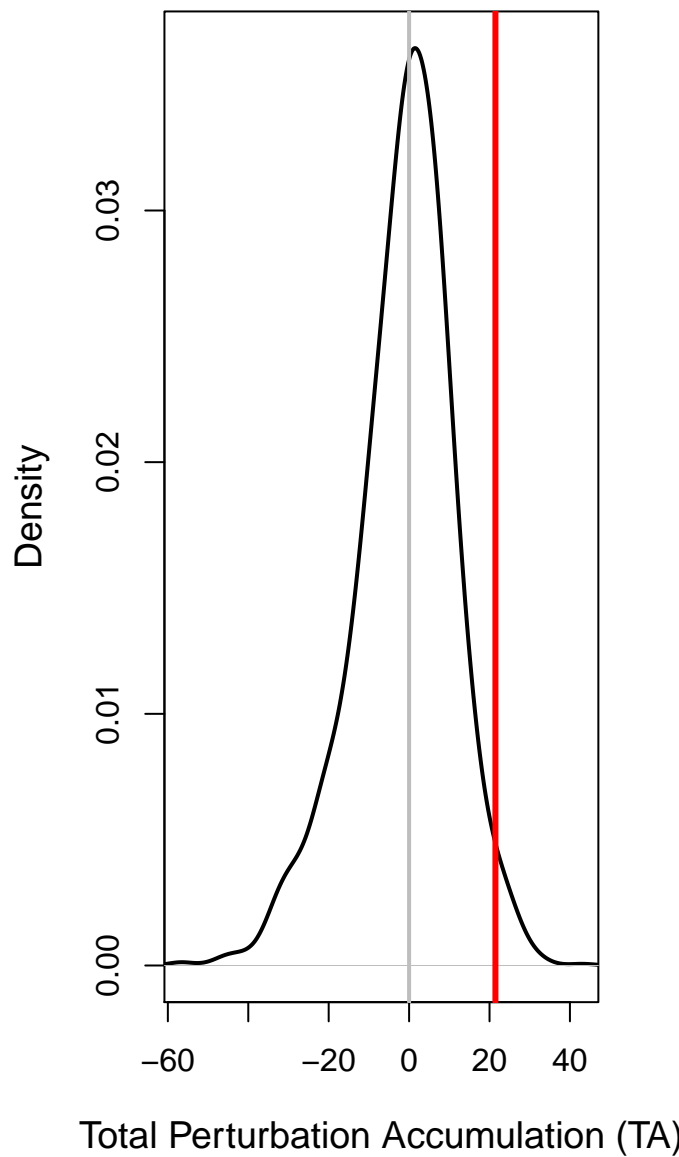
pathway ID=05219 P PERT=0.619



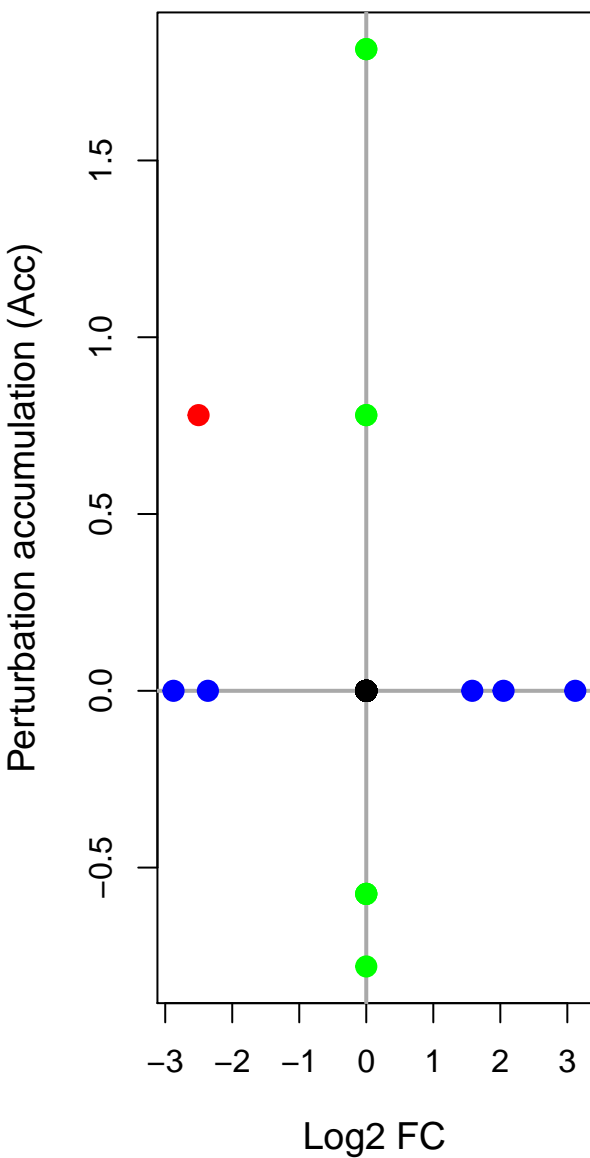
pathway ID=05220



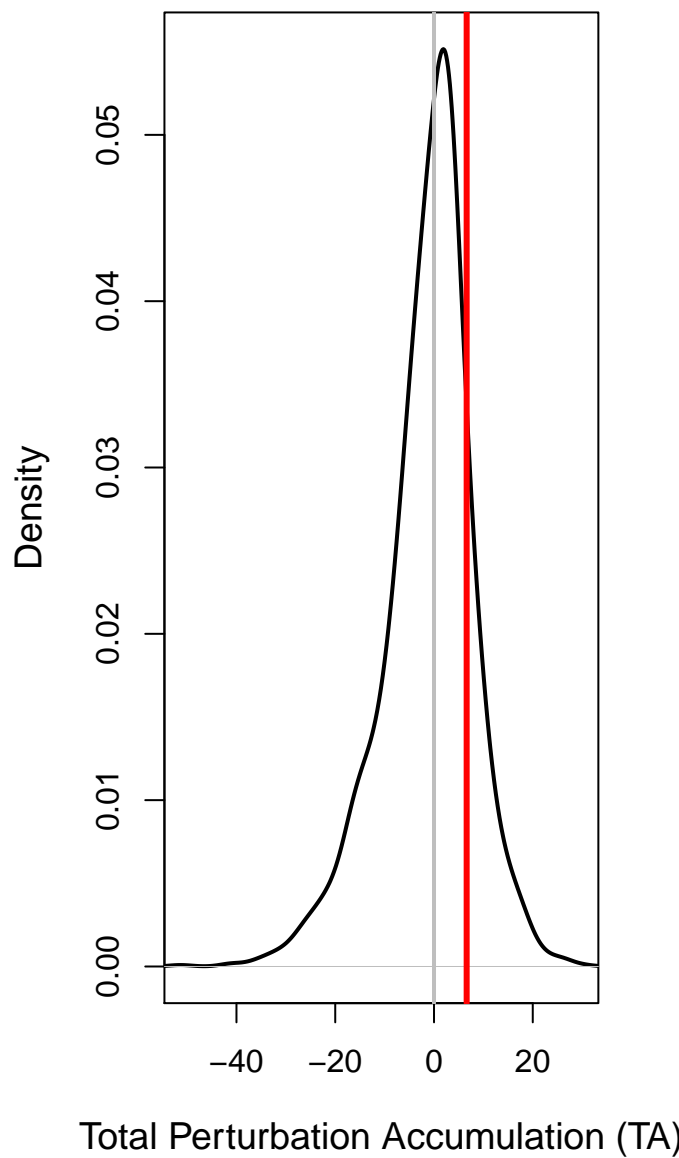
pathway ID=05220 P PERT=0.05



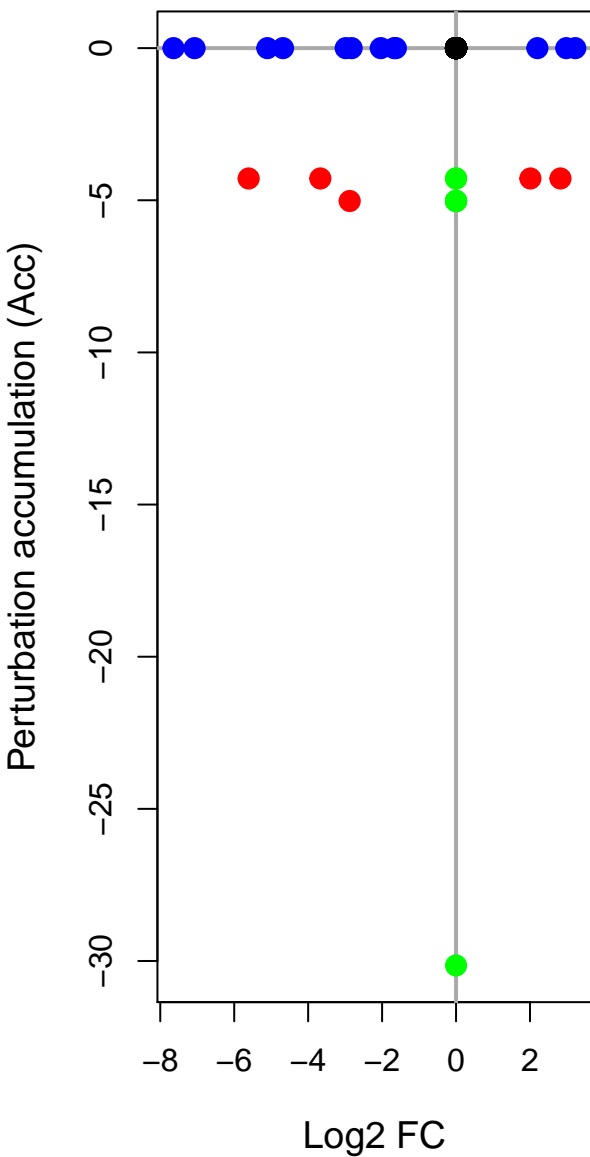
pathway ID=05221



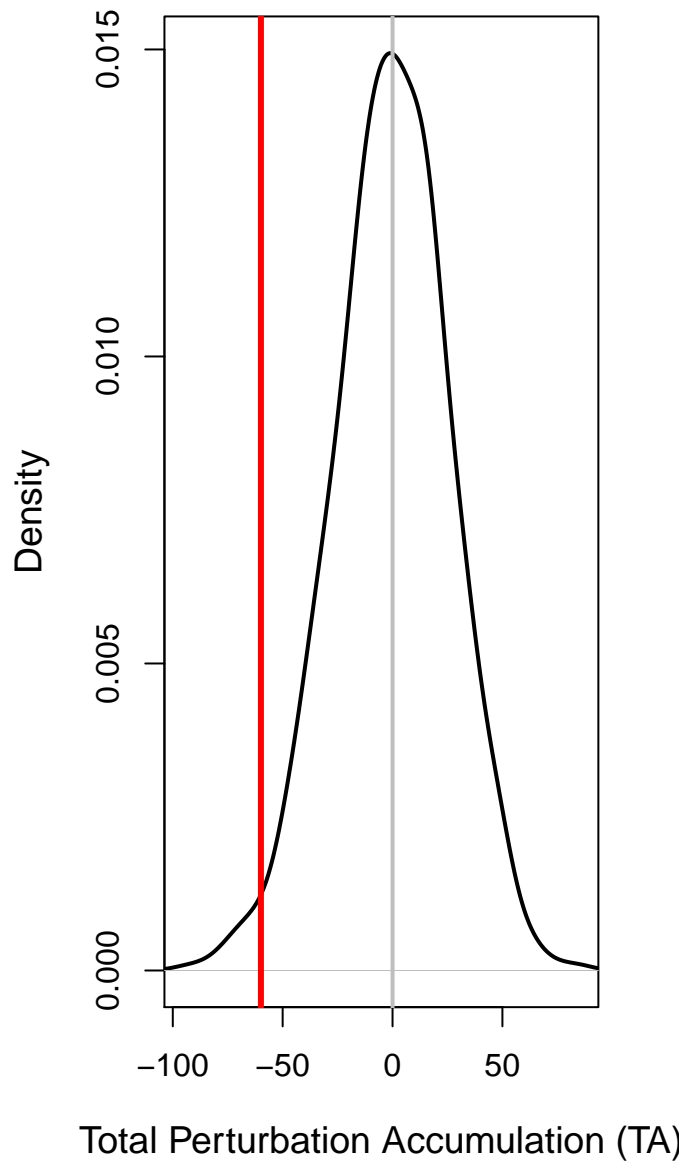
pathway ID=05221 P PERT=0.31



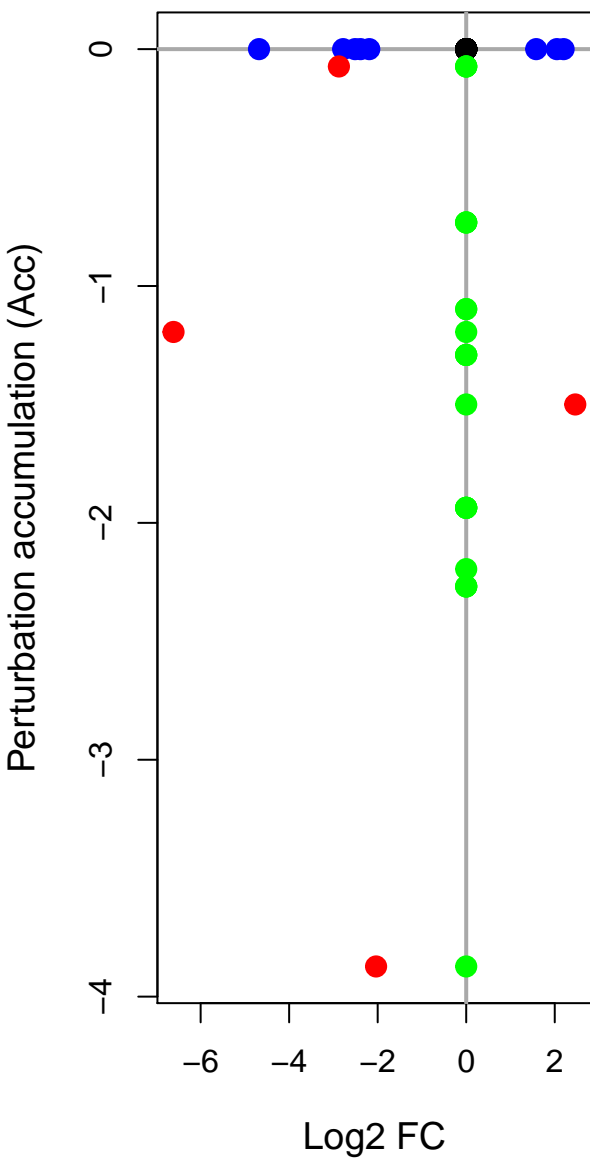
pathway ID=05222



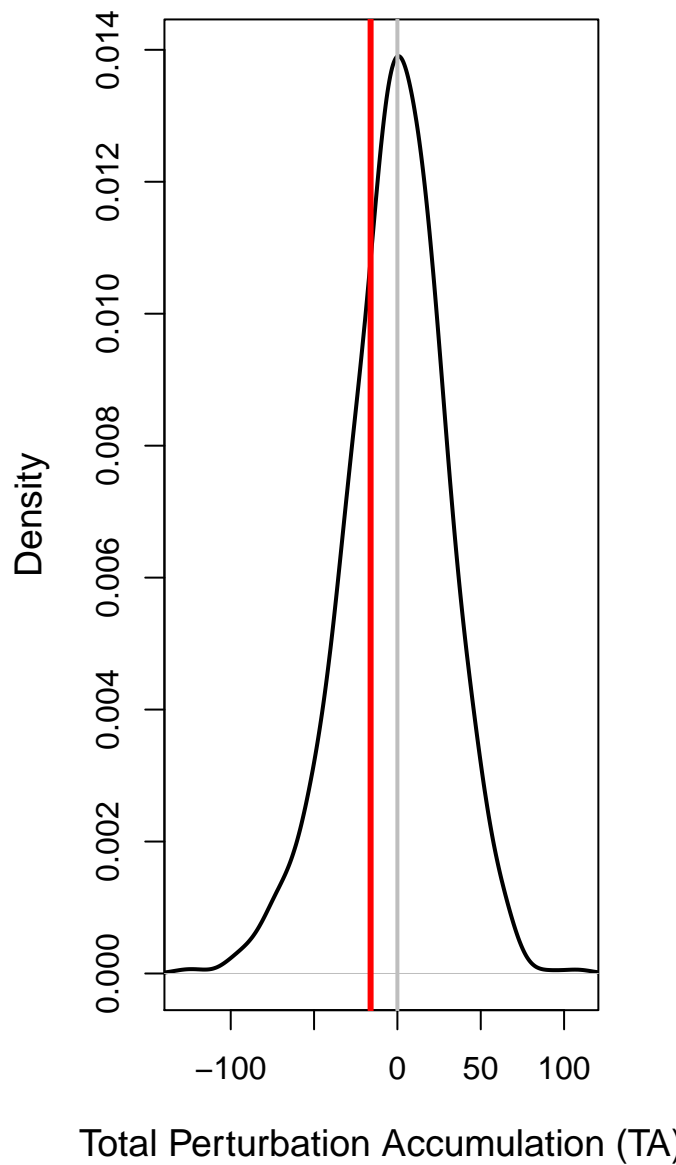
pathway ID=05222 P PERT=0.035



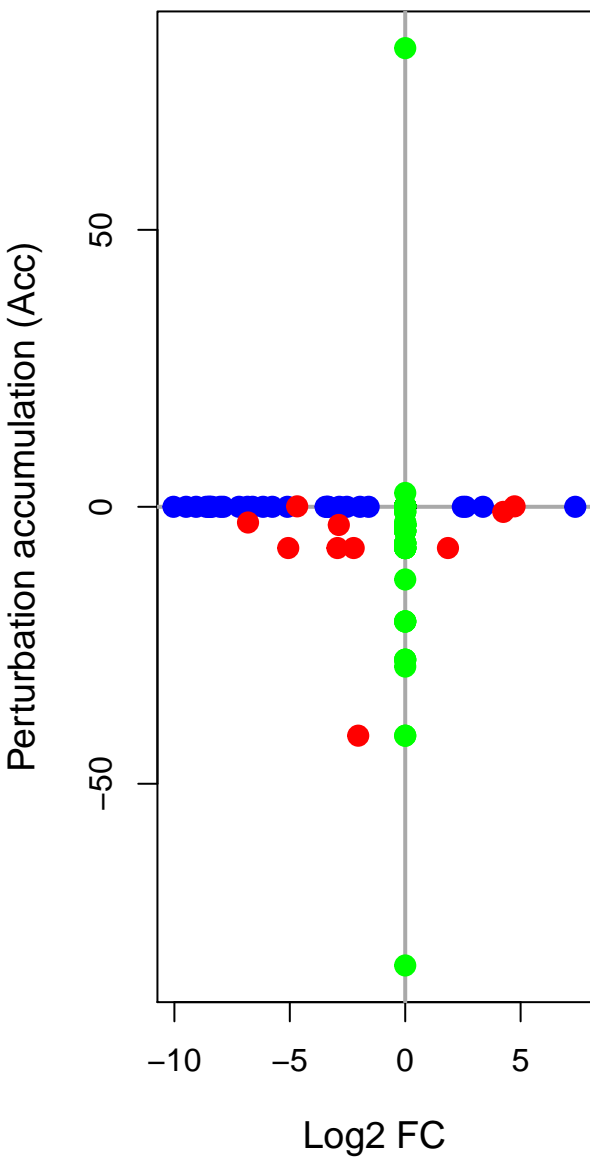
pathway ID=05223



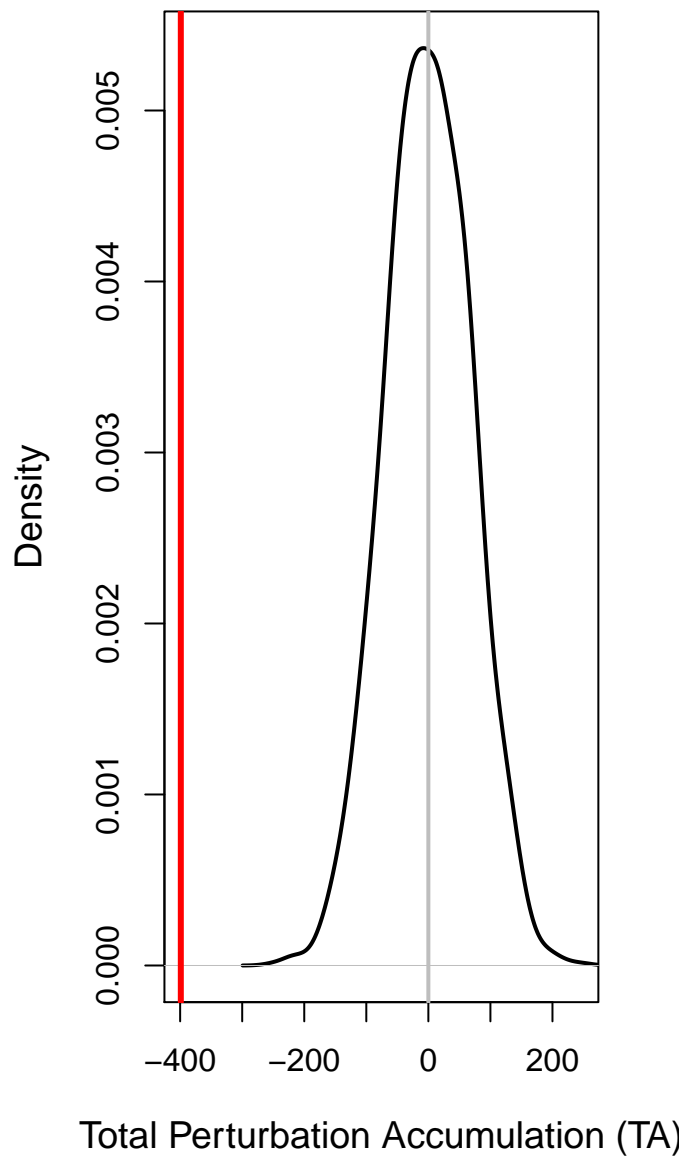
pathway ID=05223 P PERT=0.562



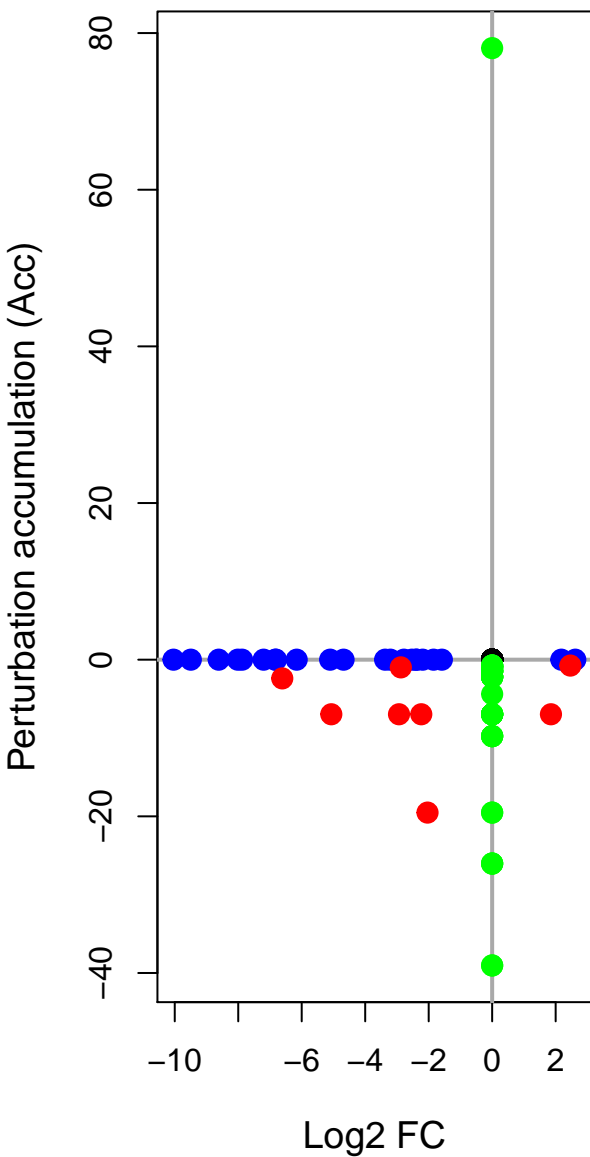
pathway ID=05224



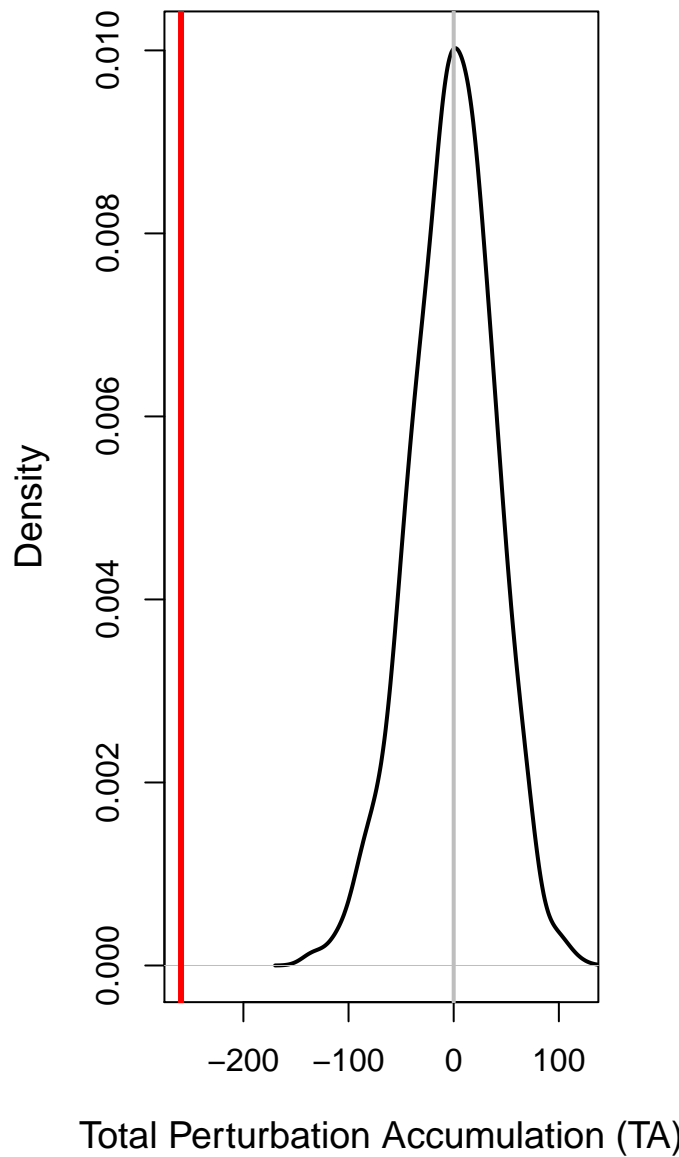
pathway ID=05224 P PERT=0



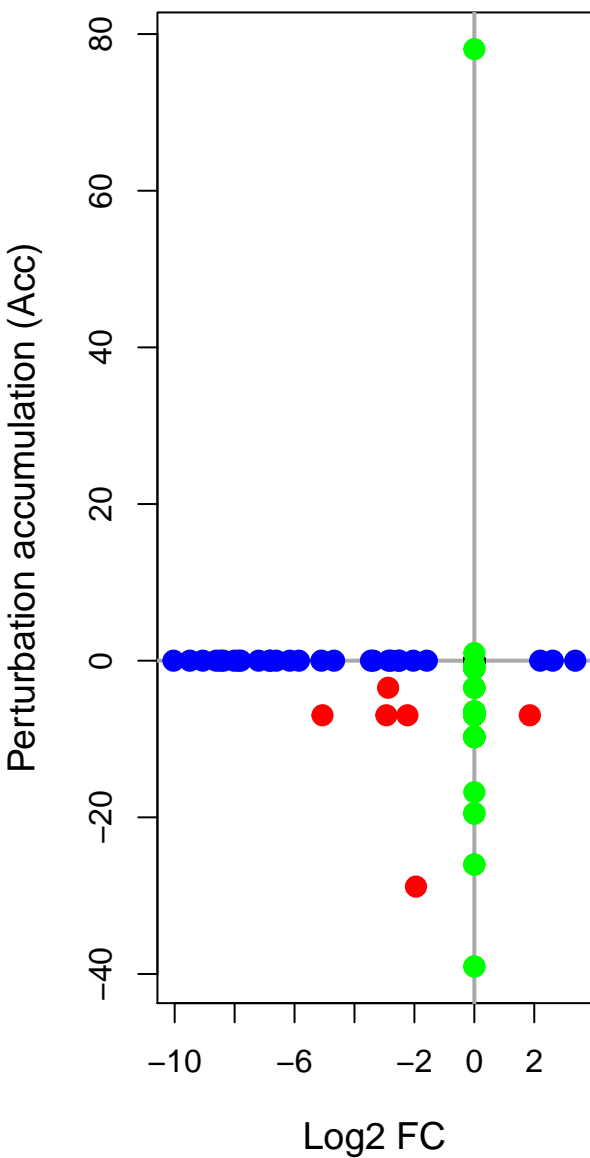
pathway ID=05225



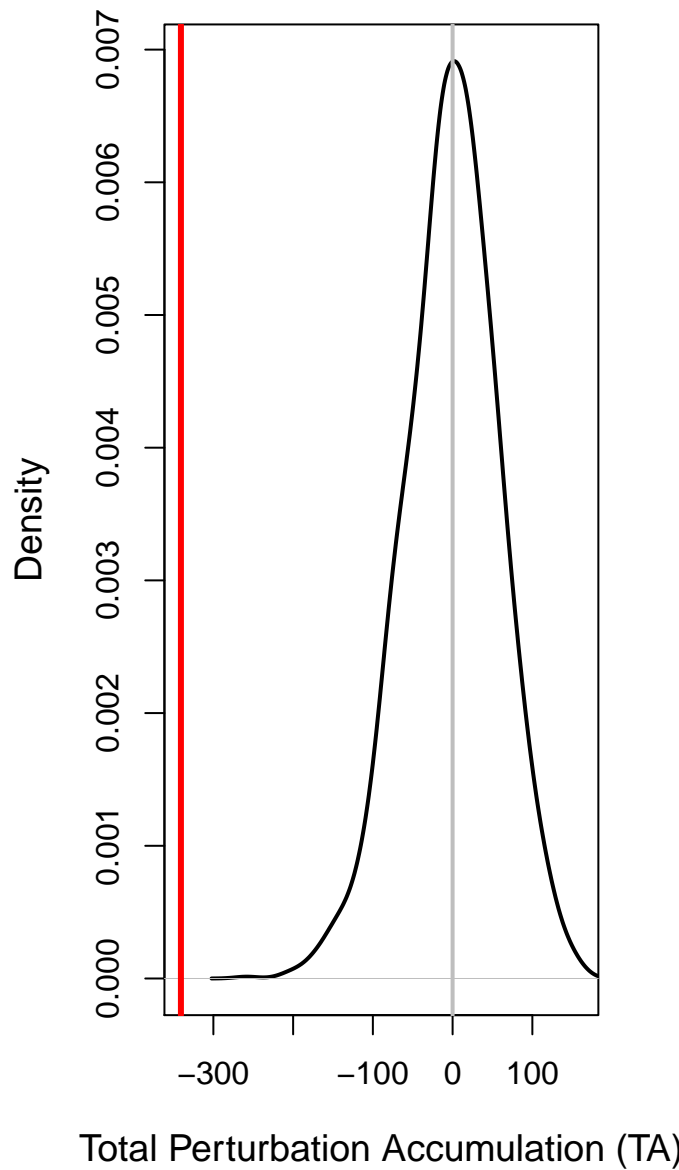
pathway ID=05225 P PERT=0



pathway ID=05226

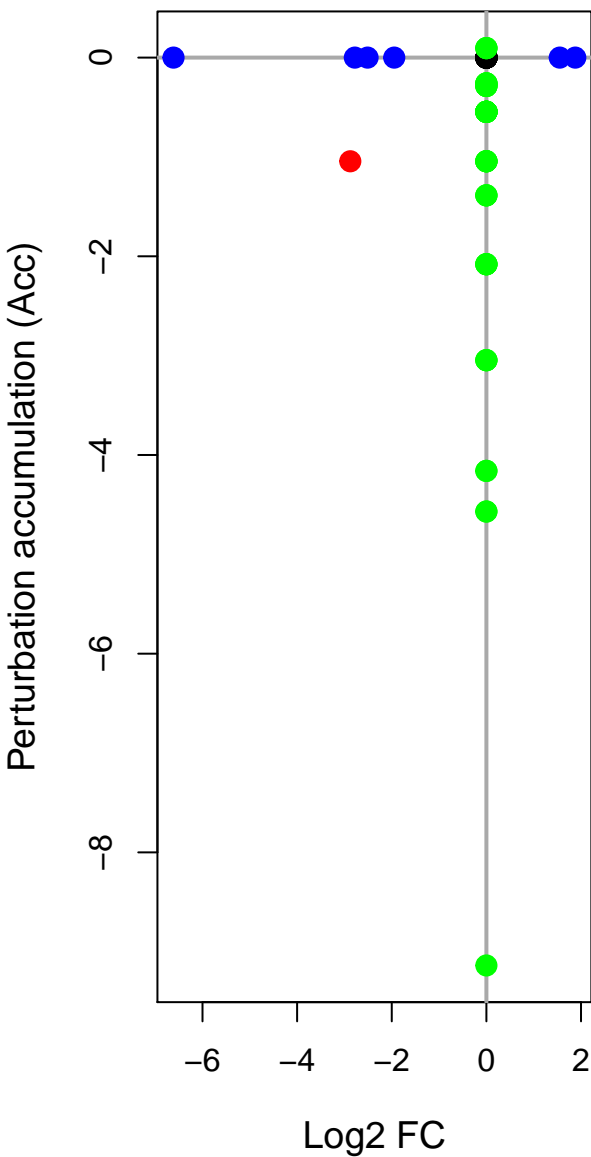


pathway ID=05226 P PERT=0

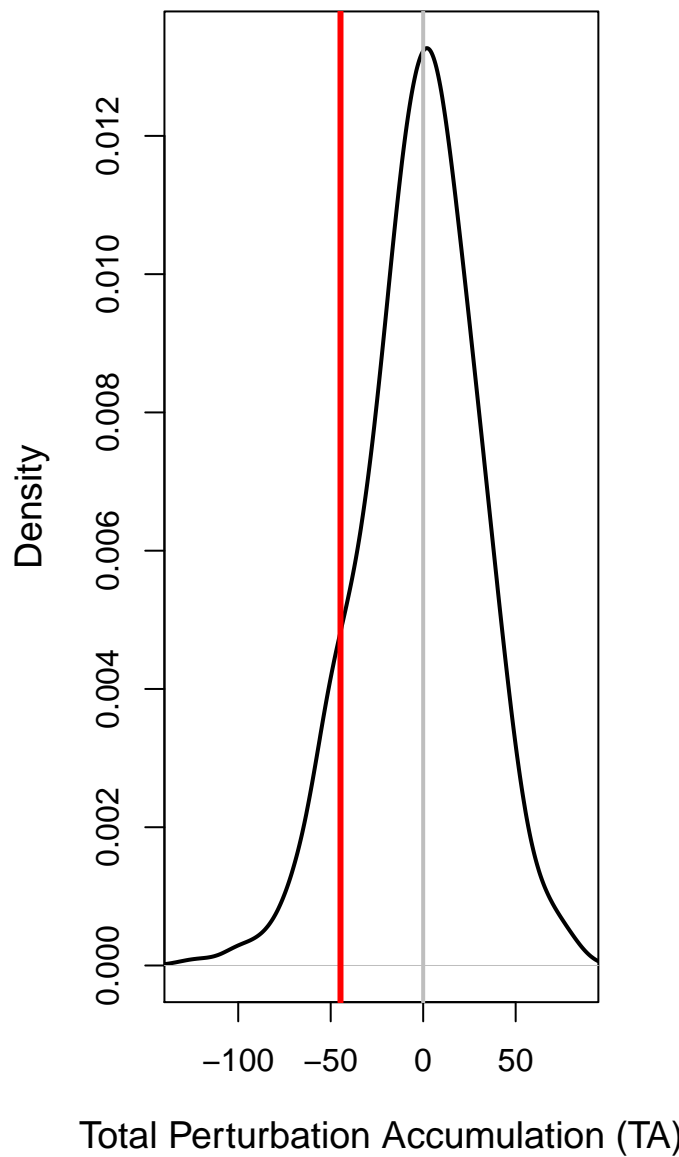




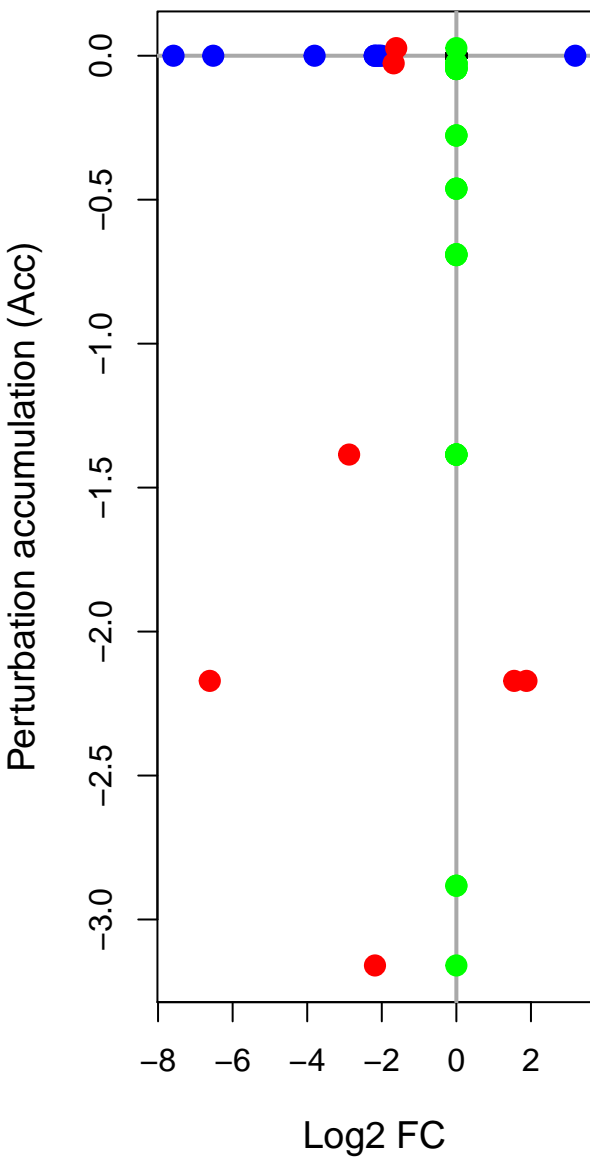
pathway ID=05230



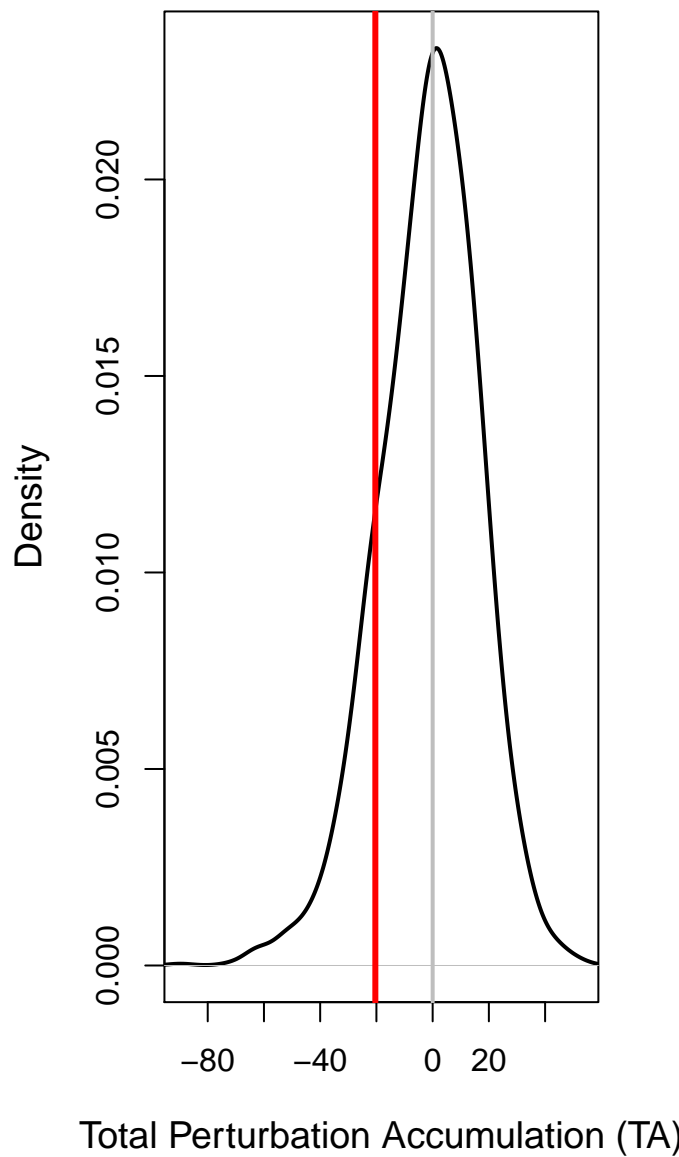
pathway ID=05230 P PERT=0.201



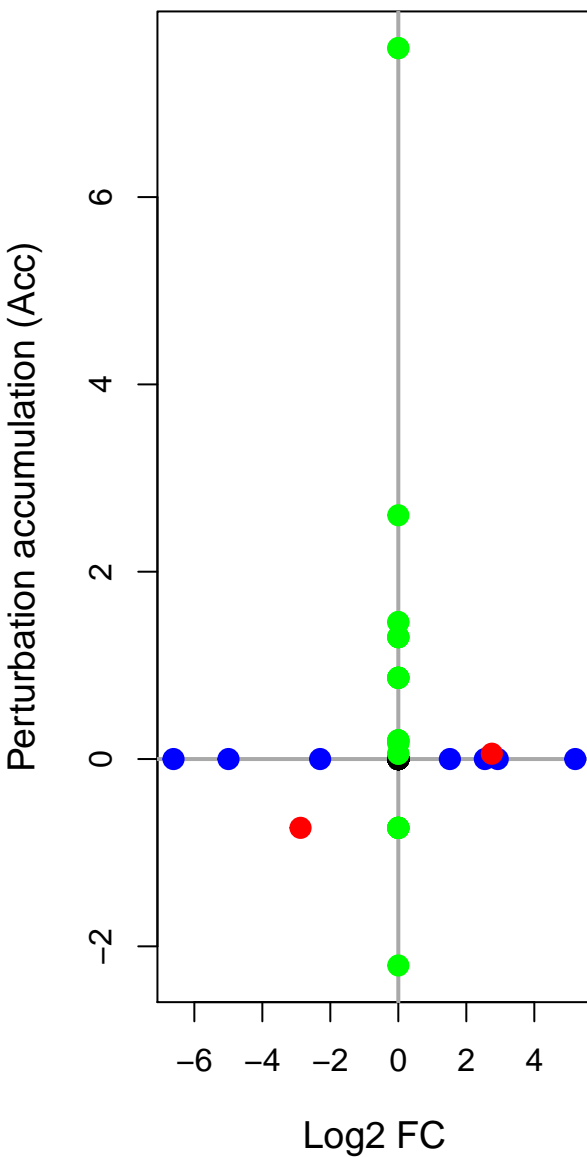
pathway ID=05231



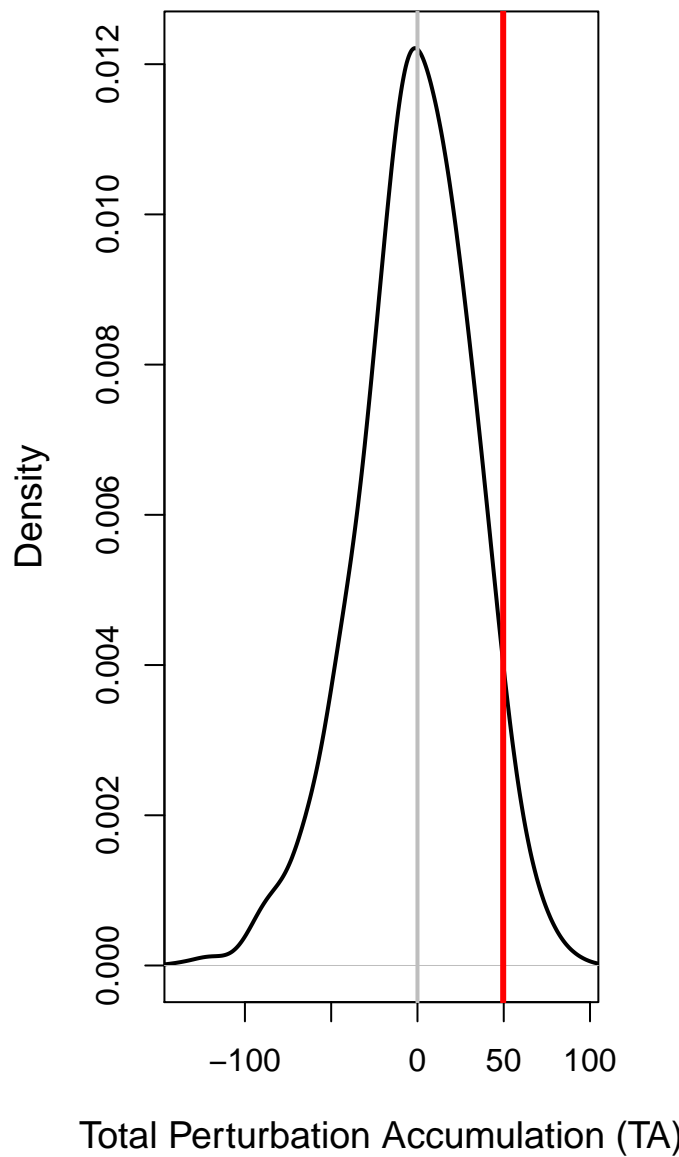
pathway ID=05231 P PERT=0.295



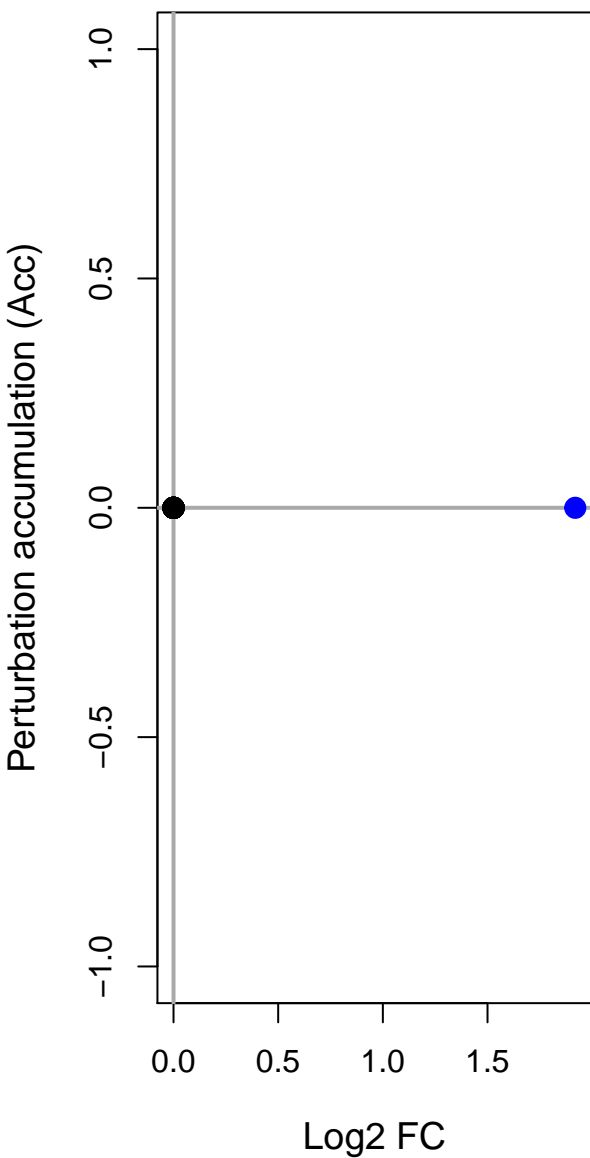
pathway ID=05235



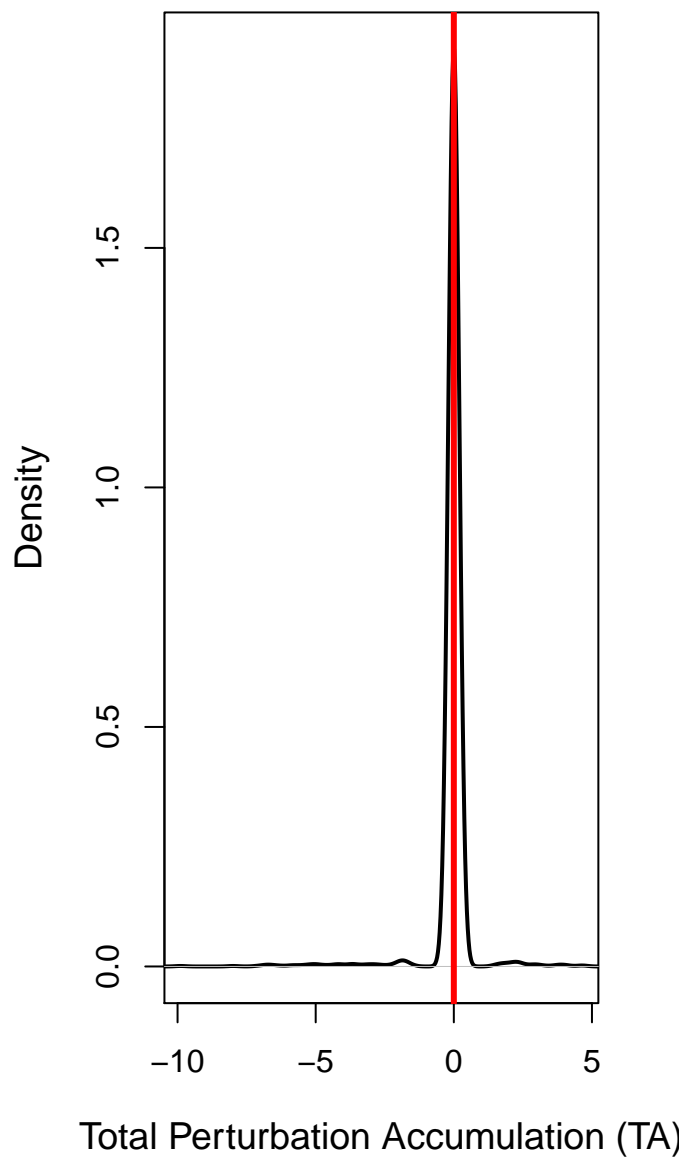
pathway ID=05235 P PERT=0.101



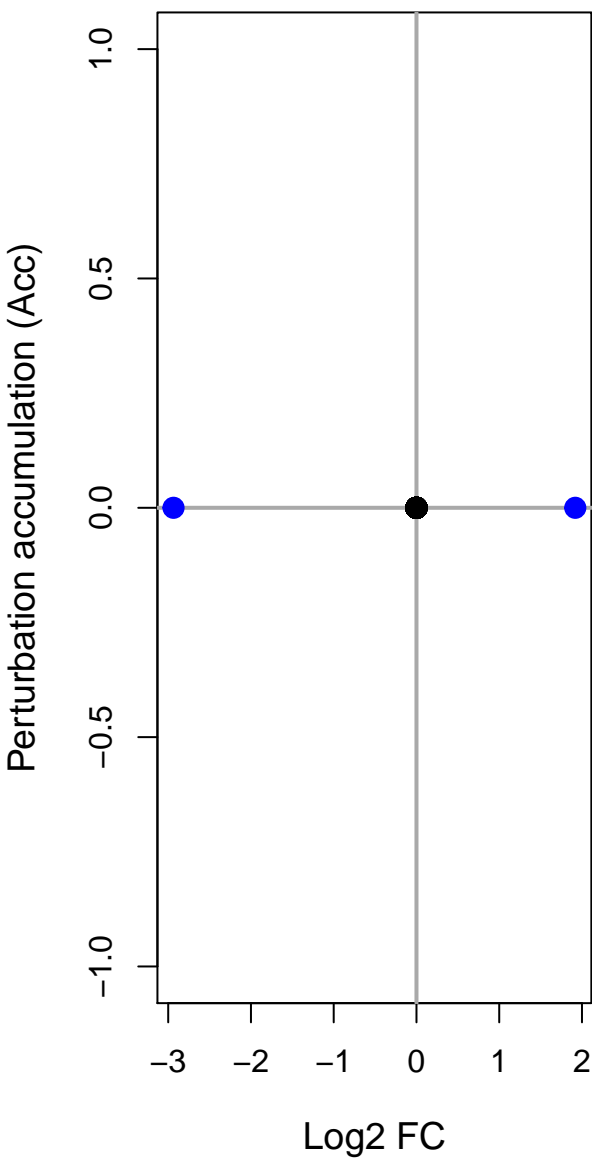
pathway ID=05310



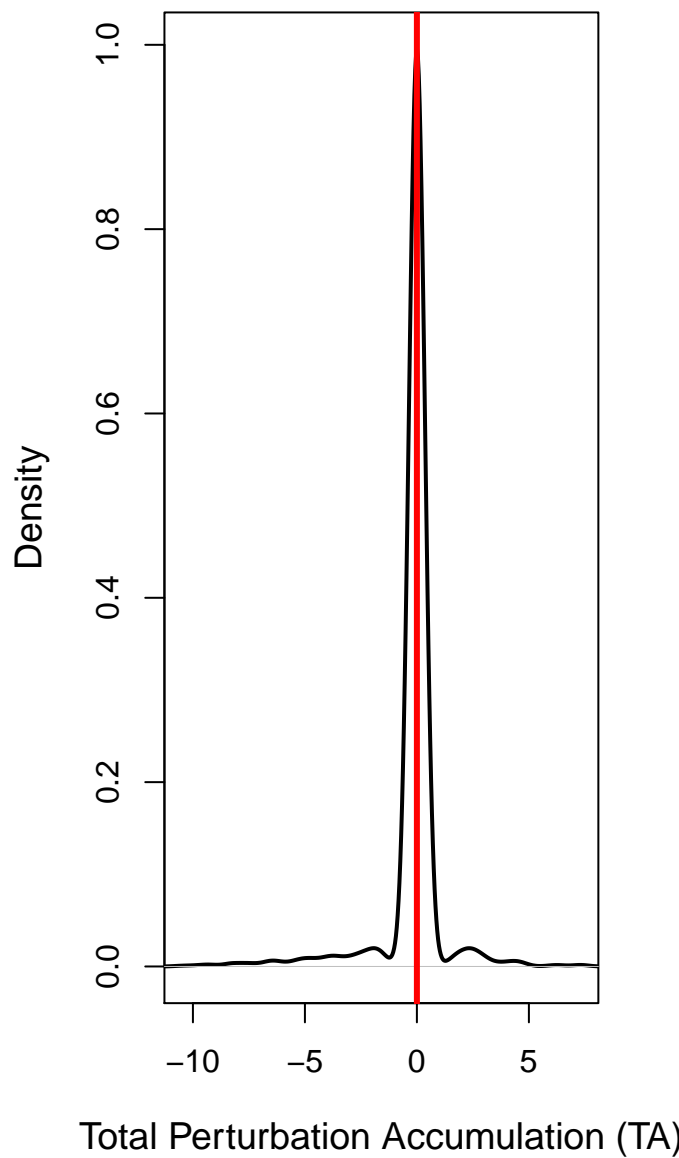
pathway ID=05310 P PERT=1



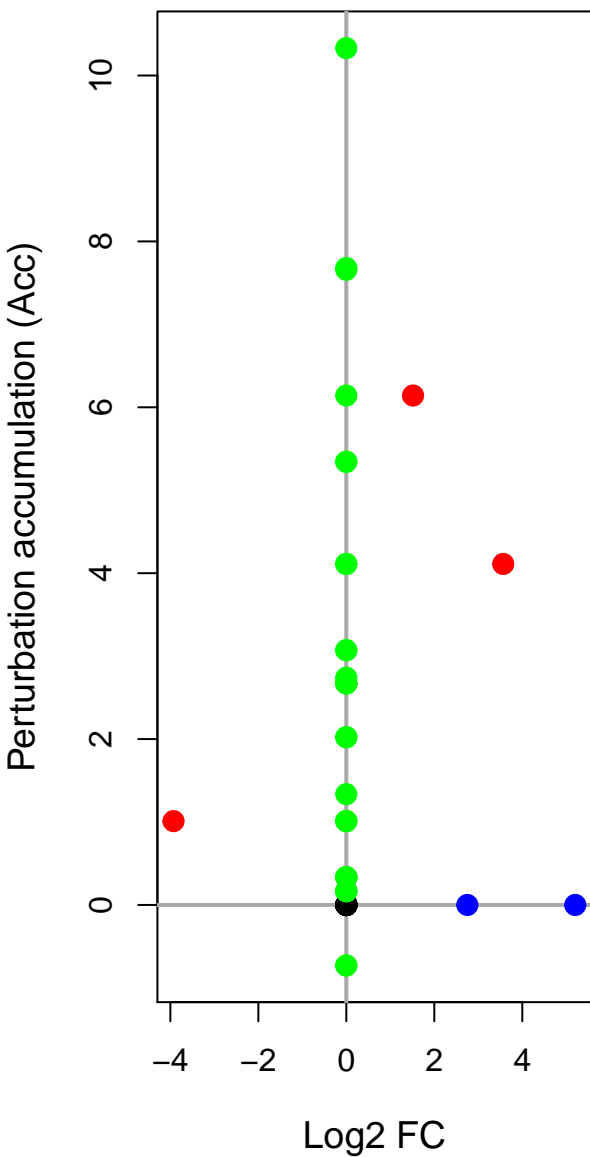
pathway ID=05320



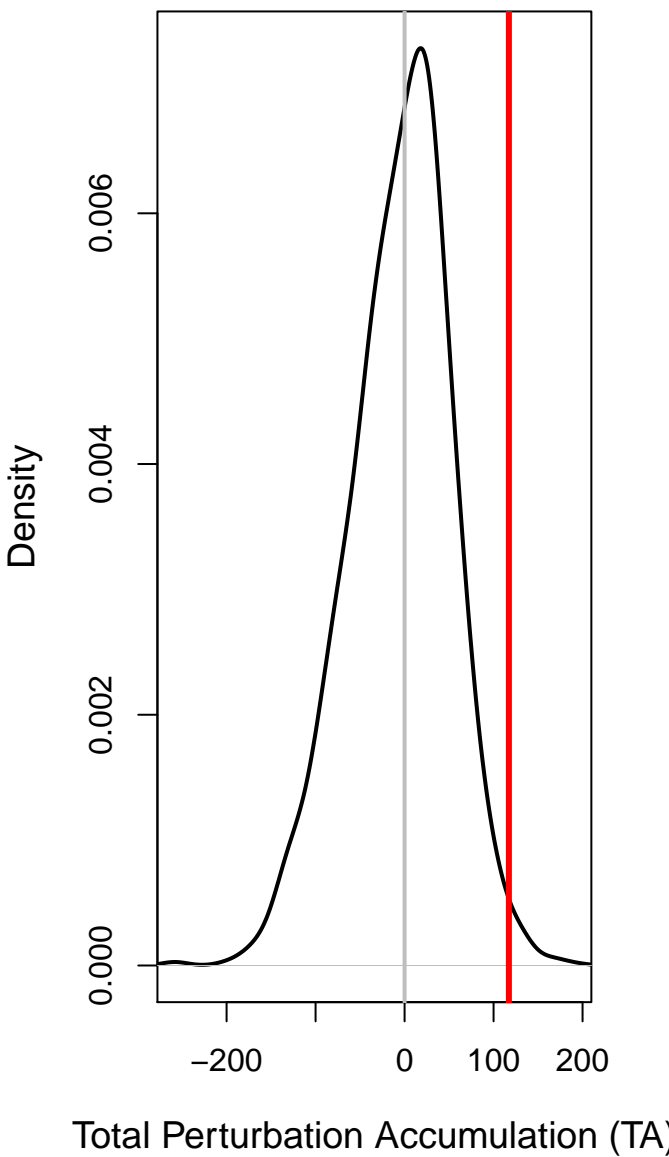
pathway ID=05320 P PERT=1



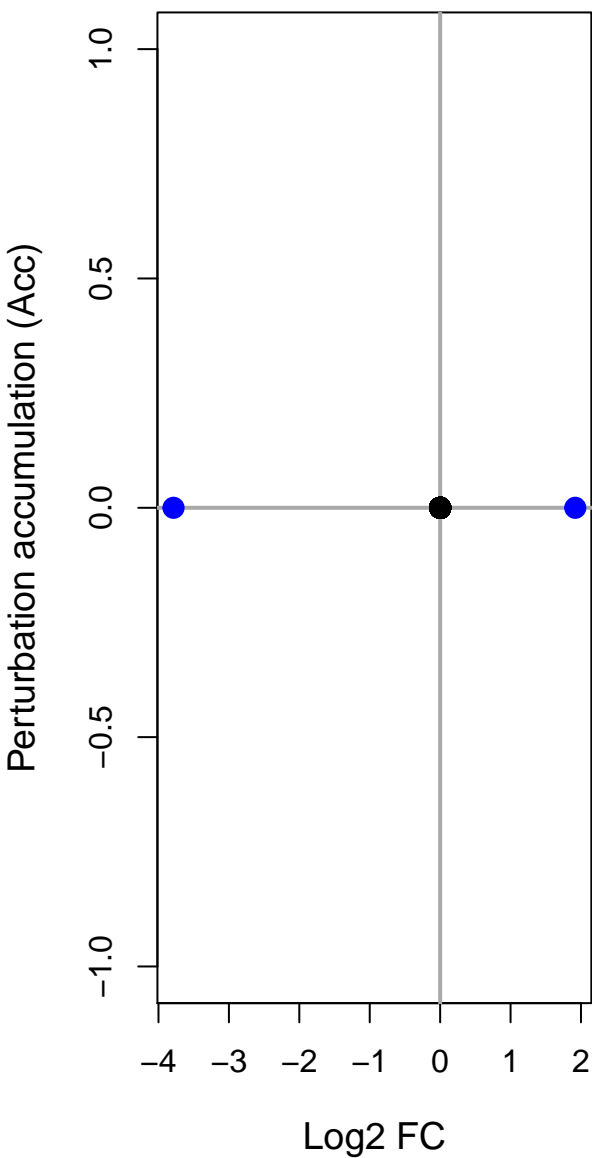
pathway ID=05321



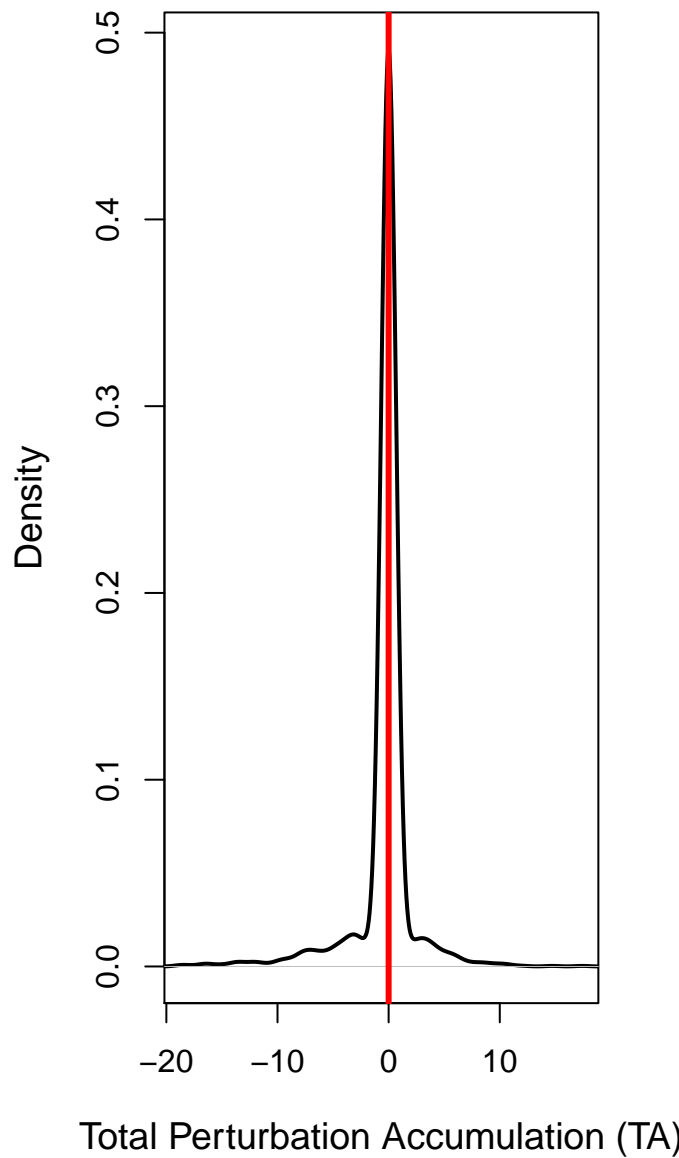
pathway ID=05321 P PERT=0.023



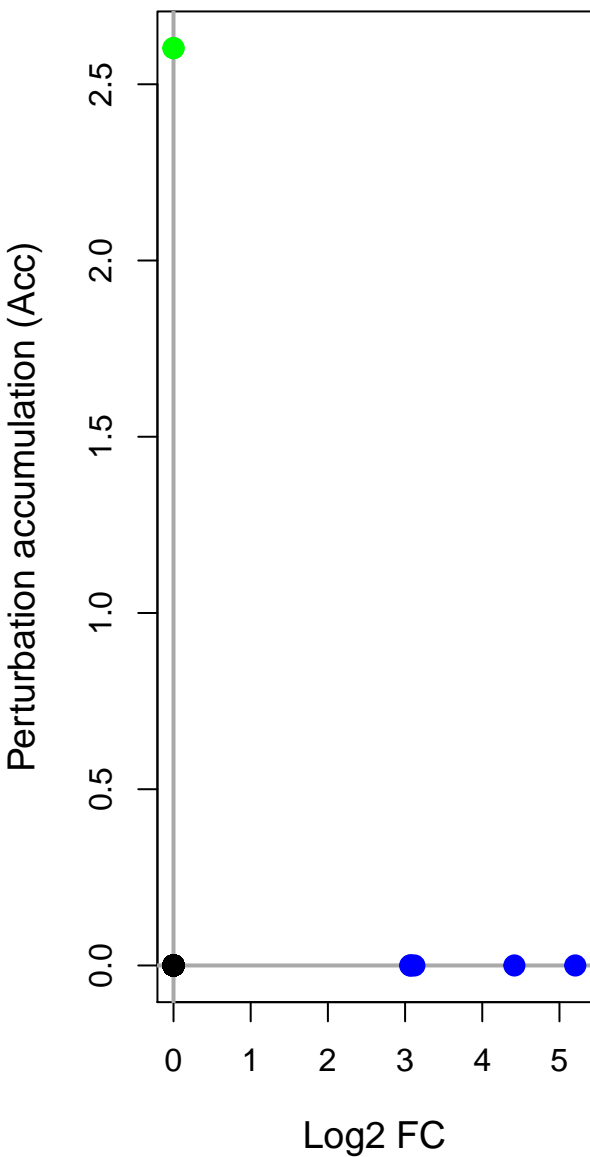
pathway ID=05322



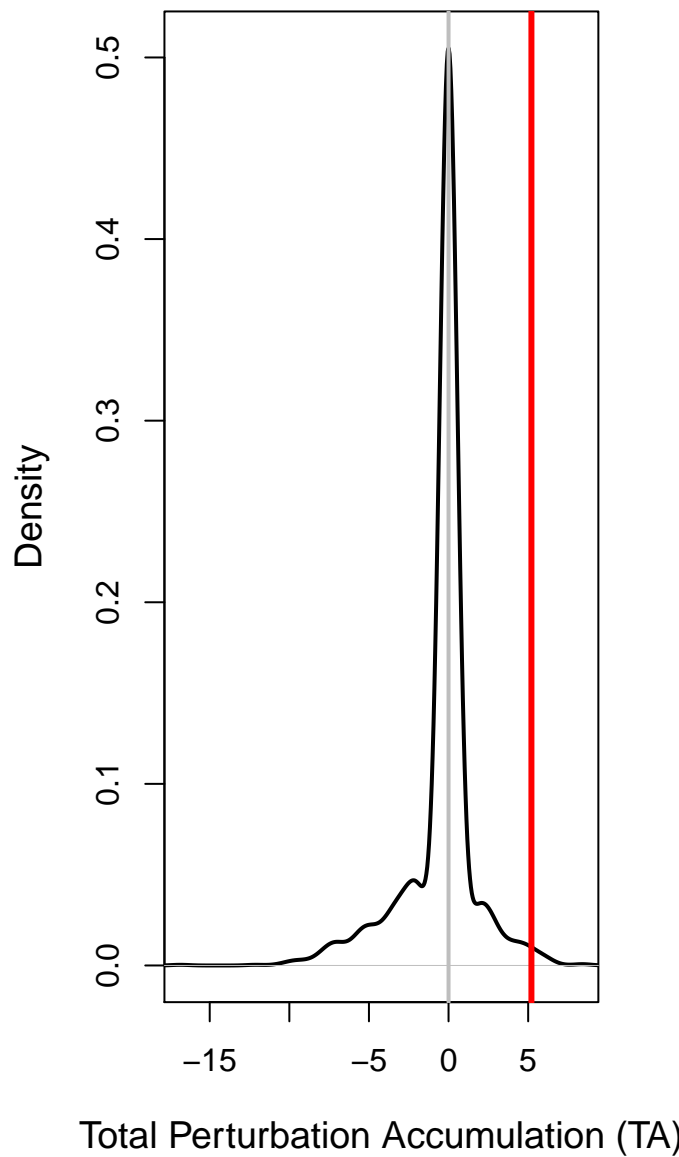
pathway ID=05322 P PERT=1



pathway ID=05323

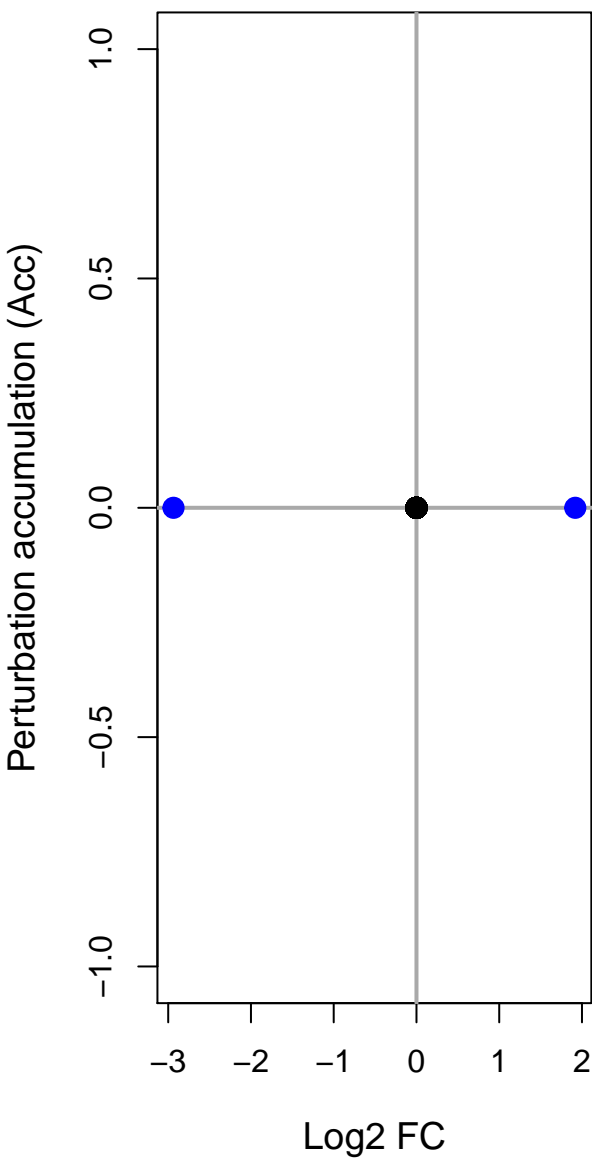


pathway ID=05323 P PERT=0.021

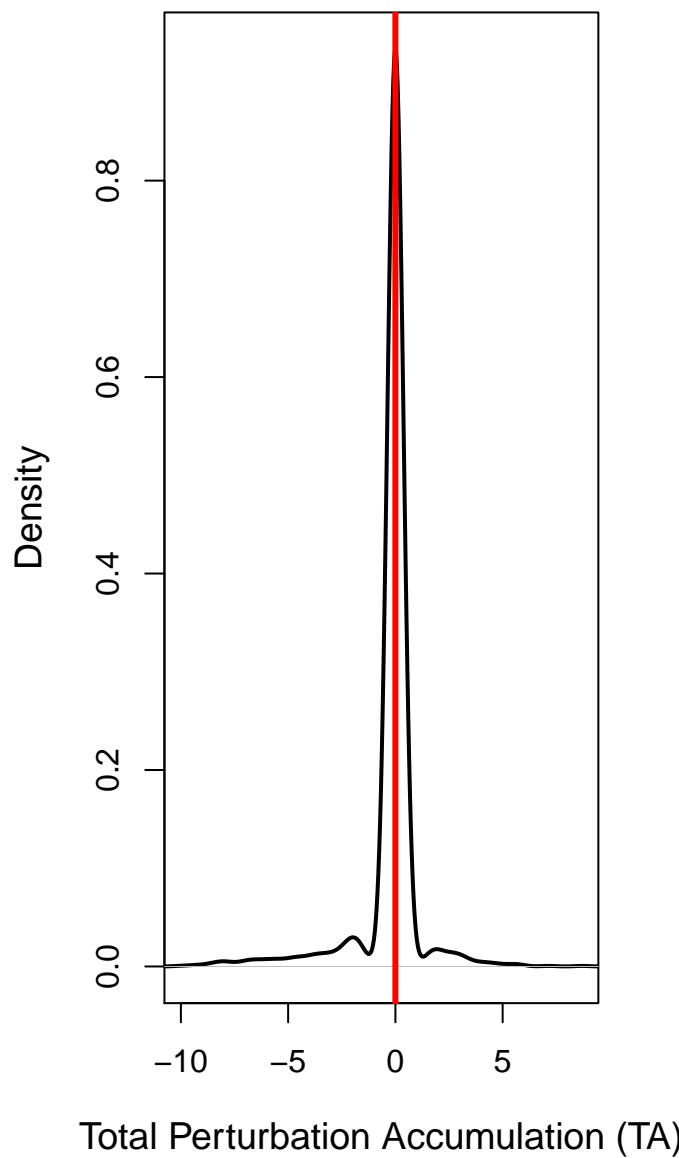




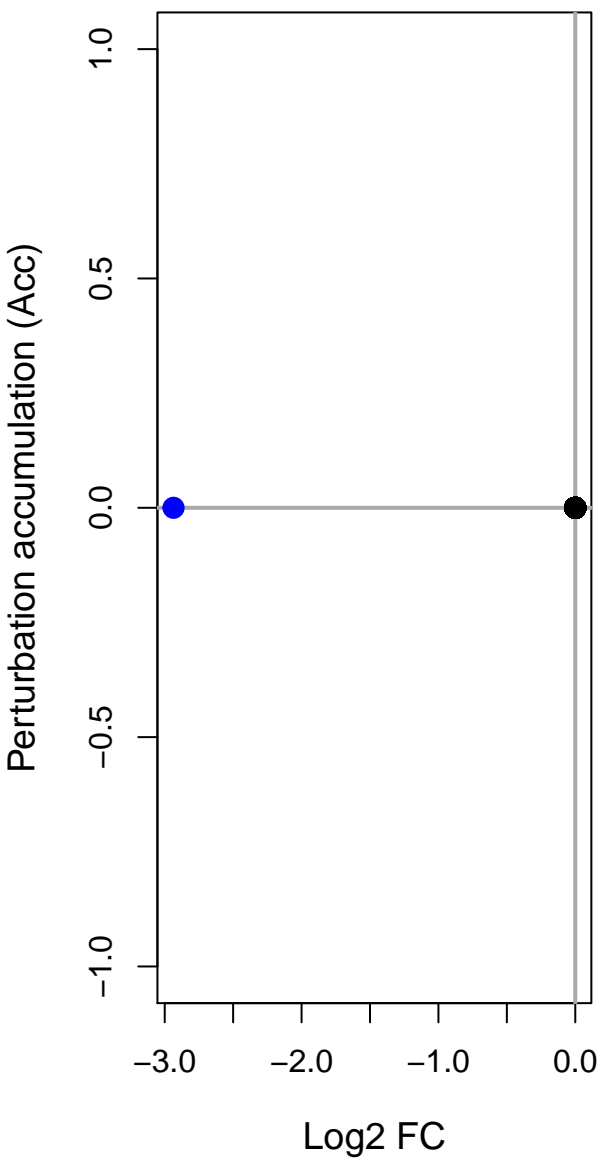
pathway ID=05330



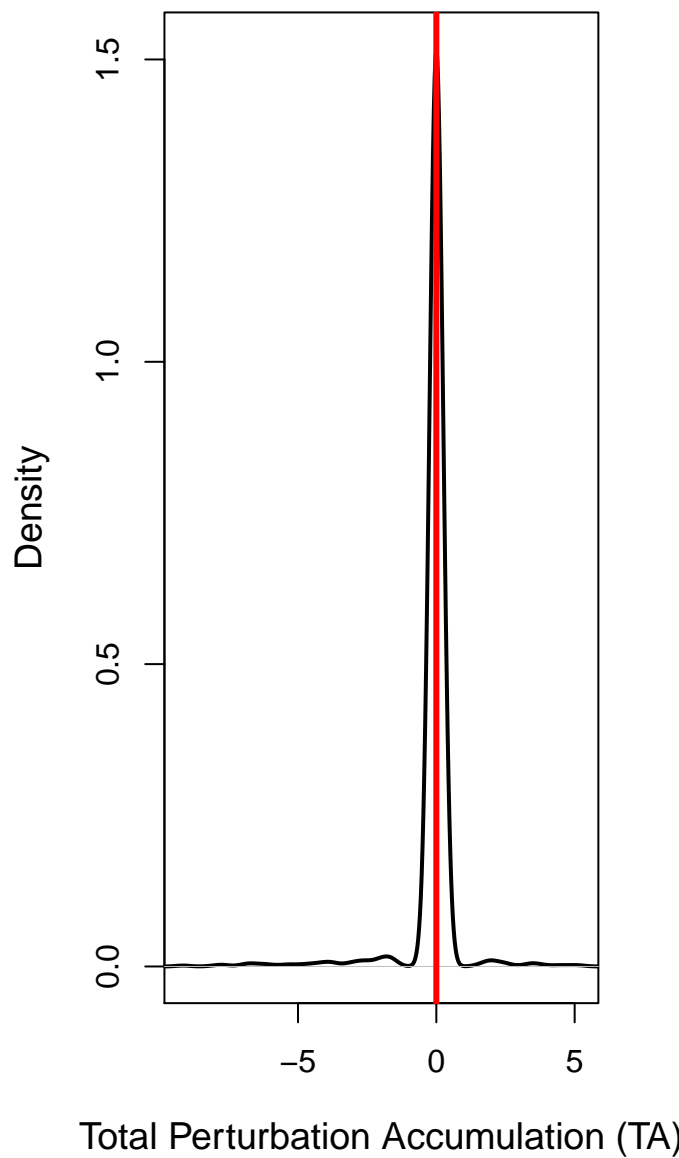
pathway ID=05330 P PERT=1



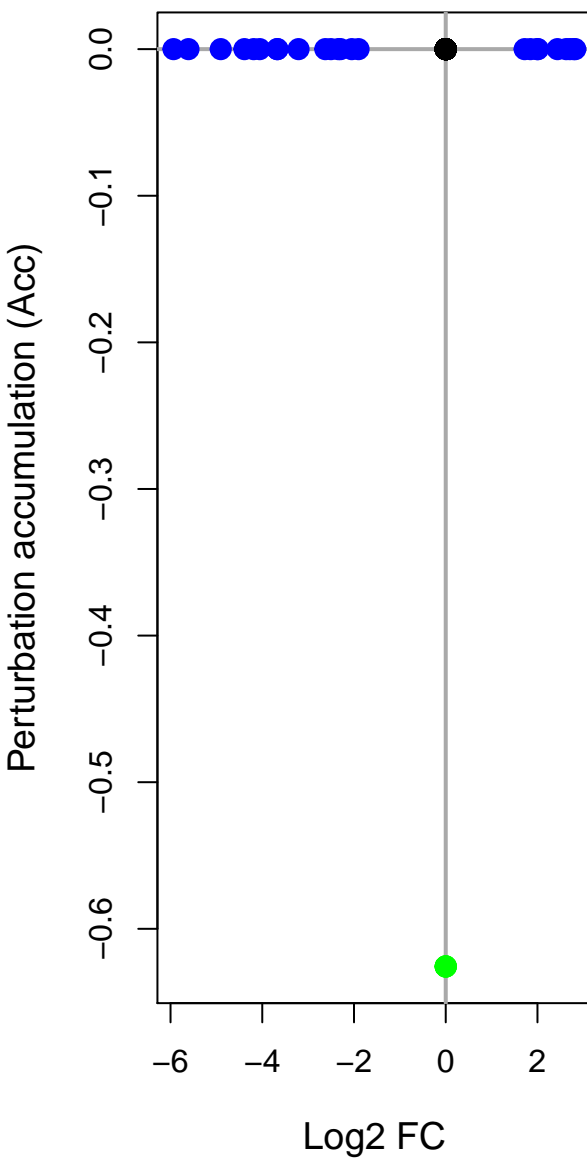
pathway ID=05332



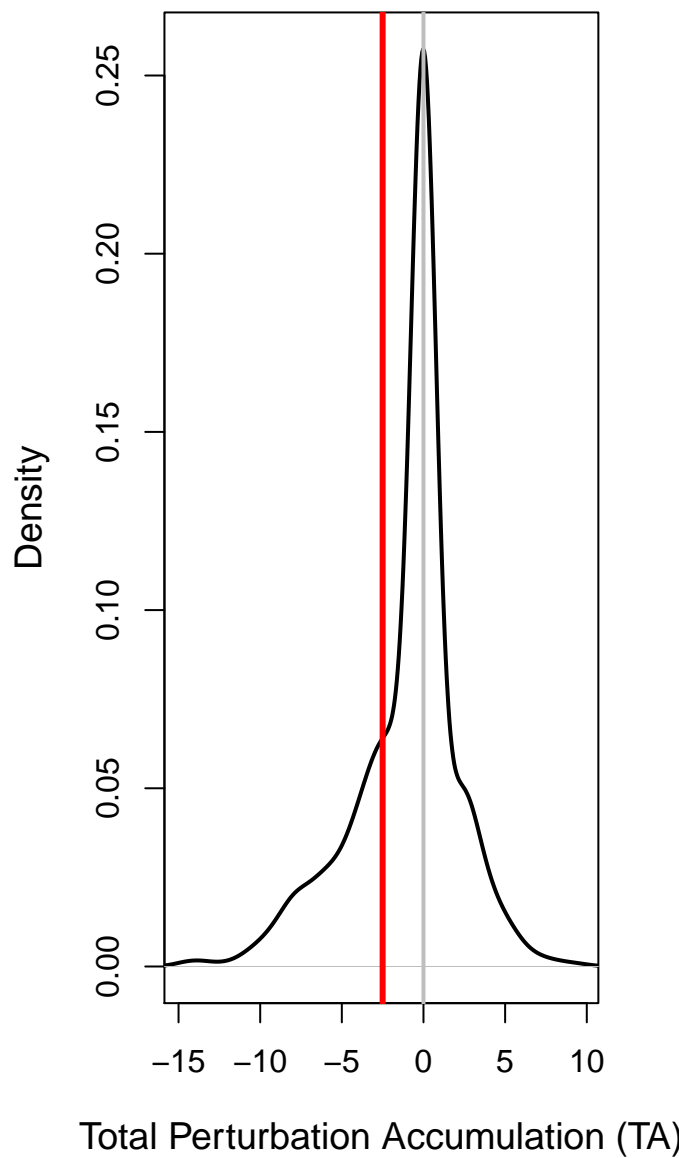
pathway ID=05332 P PERT=1



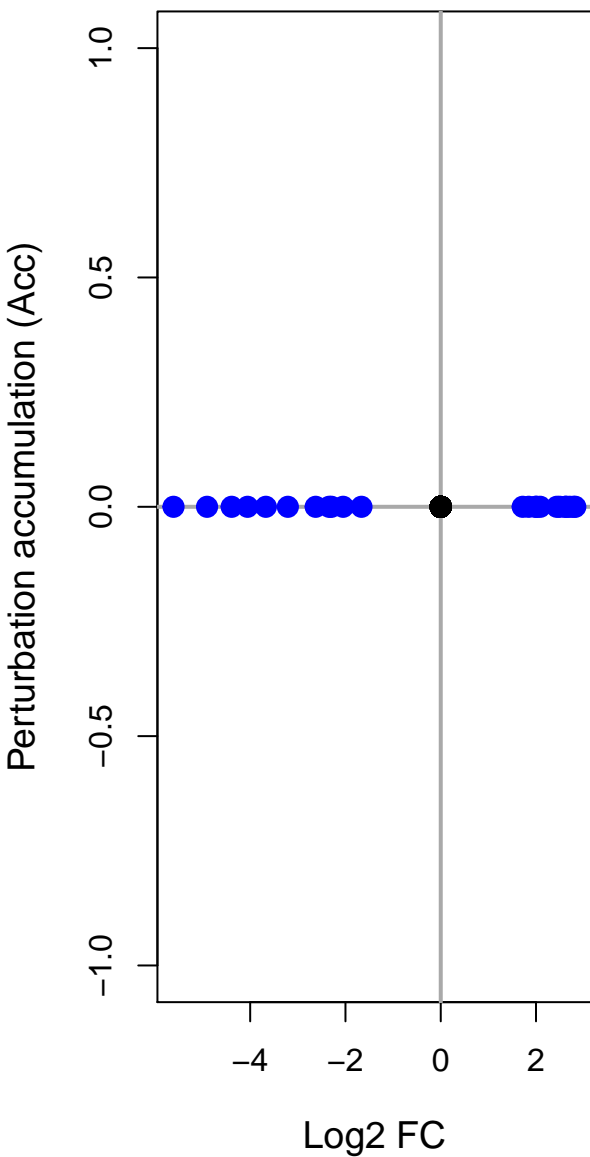
pathway ID=05412



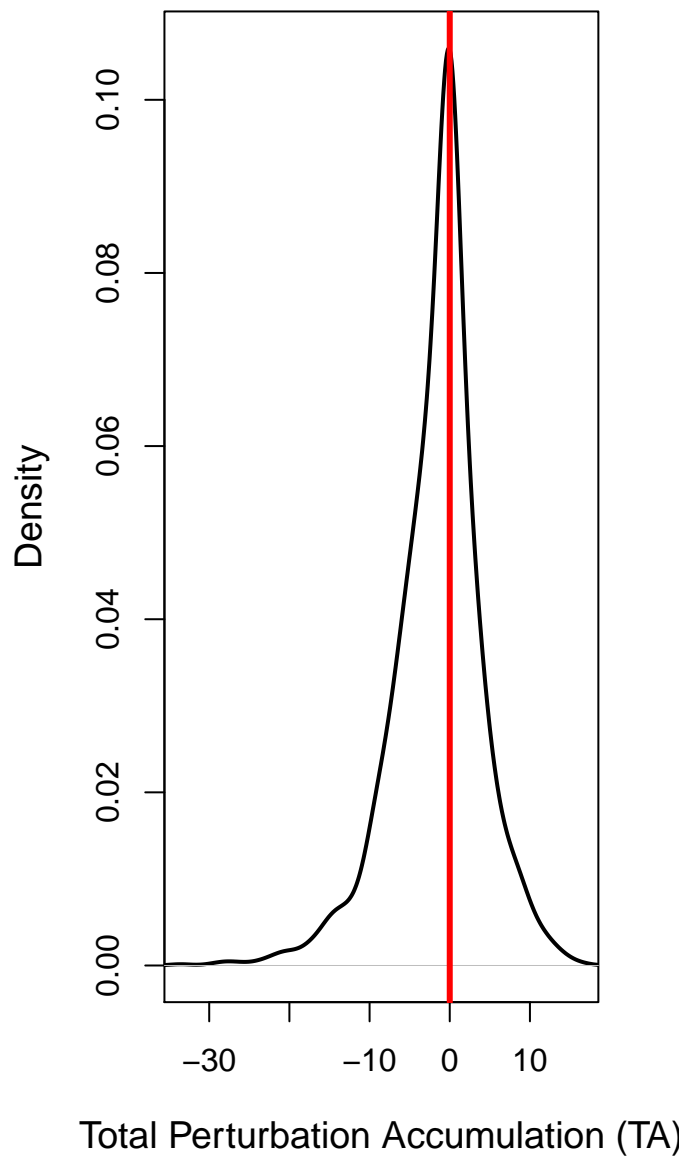
pathway ID=05412 P PERT=0.482



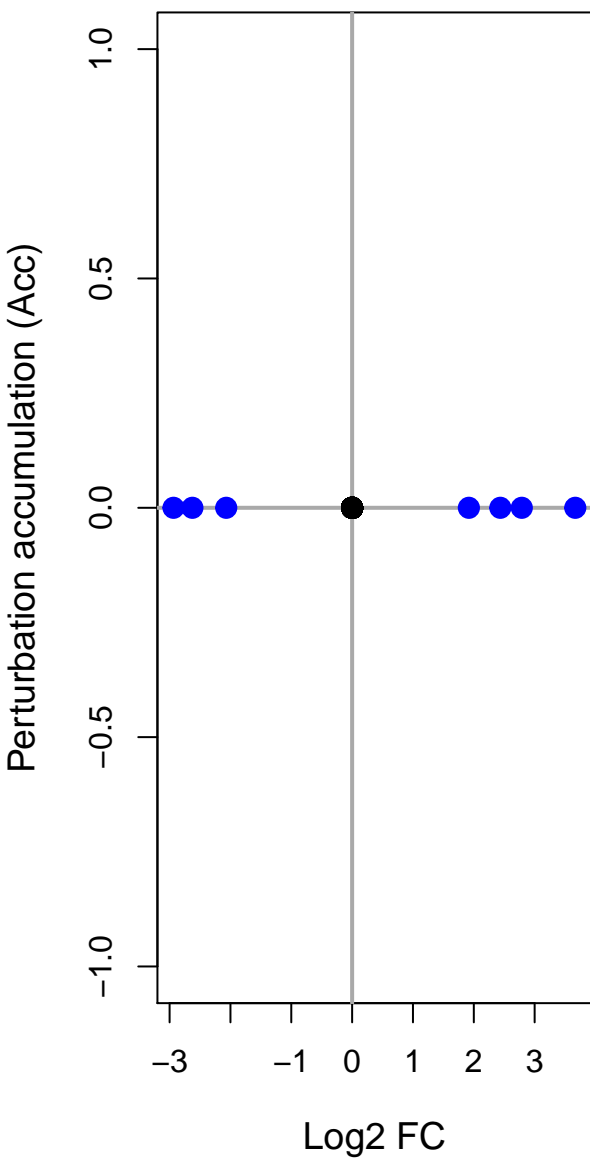
pathway ID=05414



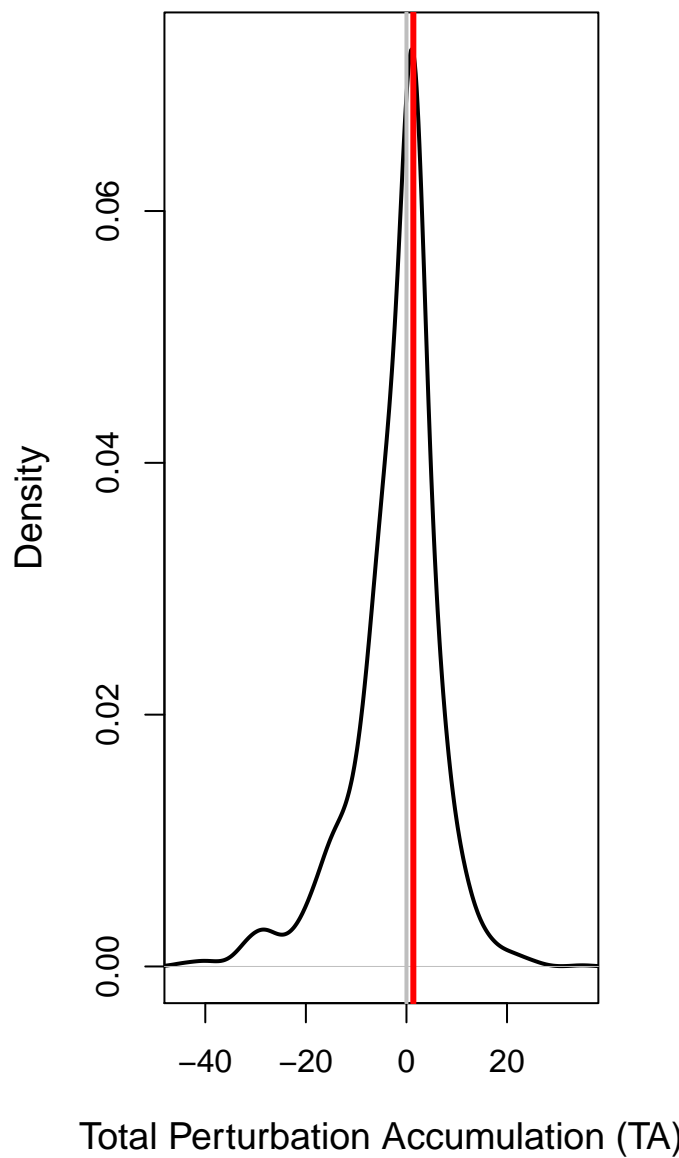
pathway ID=05414 P PERT=1



pathway ID=05416



pathway ID=05416 P PERT=0.964



# Density

## Total Perturbation Accumulation (TA)