Log fold change heatmap 1 treat2 Onset - treat1 PreSymp Control End - treat1 PreSymp treat1 End - Control PreSymp treat1 End - treat1 Onset treat1 End - treat1 PreSymp treat1 End - treat2 End treat1 Onset - treat1 PreSymp treat1 Onset - treat2 Onset treat1 Onset - treat2 PreSymp treat1 PreSymp - treat2 PreSymp treat2 End - Control PreSymp treat2 End - treat1 Onset treat2 End - treat1 PreSymp treat2 End - treat2 PreSymp treat2 Onset - Control PreSymp treat2 Onset - treat2 PreSymp Control End – Control PreSymp Control End - treat2 End Control End – treat2 PreSymp Control Onset - Control PreSymp Control Onset - treat1 PreSymp Control Onset - treat2 PreSymp Control PreSymp – treat2 PreSymp treat1 End - Control Onset treat1 End - treat2 PreSymp treat1 Onset - Control PreSymp treat2 End - Control Onset treat2 End - treat2 Onset

help("metEstHeatmap")

Pvalue Heatmap 0.04 0.03 0.02 0.01 treat2 Onset - treat1 PreSymp Control End – treat1 PreSymp treat1 End - Control Onset treat1 End - treat1 PreSymp treat1 Onset - Control PreSymp treat1 Onset - treat1 PreSymp treat1 Onset - treat2 PreSymp treat1 PreSymp - treat2 PreSymp treat2 End - Control Onset treat2 End - Control PreSymp treat2 End - treat1 PreSymp treat2 End - treat2 Onset treat2 End - treat2 PreSymp treat2 Onset - Control PreSymp treat2 Onset - treat2 PreSymp Control End - Control PreSymp Control End – treat2 End Control End – treat2 PreSymp Control Onset – Control PreSymp Control Onset – treat1 PreSymp Control Onset - treat2 PreSymp Control PreSymp – treat2 PreSymp treat1 End - Control PreSymp treat1 End - treat1 Onset treat1 End - treat2 End treat1 End - treat2 PreSymp treat1 Onset - treat2 Onset treat2 End - treat1 Onset

help("metEstHeatmap")

Log fold change heatmap 1 treat2 Onset - treat1 PreSymp Control End - treat1 PreSymp treat1 End - Control PreSymp treat1 End - treat1 Onset treat1 End - treat1 PreSymp treat1 End - treat2 End treat1 Onset - treat1 PreSymp treat1 Onset - treat2 Onset treat1 Onset - treat2 PreSymp treat1 PreSymp - treat2 PreSymp treat2 End - Control PreSymp treat2 End - treat1 Onset treat2 End - treat1 PreSymp treat2 End - treat2 Onset treat2 End - treat2 PreSymp treat2 Onset - Control PreSymp treat2 Onset - treat2 PreSymp Control End – Control PreSymp Control End - treat2 End Control End – treat2 PreSymp Control Onset - Control PreSymp Control Onset - treat1 PreSymp Control Onset - treat2 PreSymp Control PreSymp – treat2 PreSymp treat1 End - Control Onset treat1 End - treat2 PreSymp treat1 Onset - Control PreSymp treat2 End - Control Onset

help("metPHeatmap")

Pvalue Heatmap 0.03 0.02 0.01 treat2 Onset - treat1 PreSymp Control End – treat1 PreSymp treat1 End - Control Onset treat1 End - treat1 PreSymp treat1 Onset - Control PreSymp treat1 Onset - treat1 PreSymp treat1 Onset - treat2 Onset treat1 Onset - treat2 PreSymp treat1 PreSymp - treat2 PreSymp treat2 End - Control Onset treat2 End - Control PreSymp treat2 End - treat1 PreSymp treat2 End - treat2 Onset treat2 End - treat2 PreSymp treat2 Onset - Control PreSymp treat2 Onset - treat2 PreSymp Control End - Control PreSymp Control End – treat2 End Control End – treat2 PreSymp Control Onset – Control PreSymp Control Onset – treat1 PreSymp Control Onset - treat2 PreSymp Control PreSymp – treat2 PreSymp treat1 End - Control PreSymp treat1 End - treat1 Onset treat1 End - treat2 End treat1 End - treat2 PreSymp treat2 End - treat1 Onset

help("metPHeatmap")

Log fold change heatmap 1 treat2 Onset - treat1 PreSymp Control End - treat1 PreSymp treat1 End - Control PreSymp treat1 End - treat1 Onset treat1 End - treat1 PreSymp treat1 End - treat2 End treat1 Onset - treat1 PreSymp treat1 Onset - treat2 Onset treat1 Onset - treat2 PreSymp treat2 End - Control PreSymp treat2 End - treat1 Onset treat2 End - treat1 PreSymp treat2 Onset - Control PreSymp treat2 Onset - treat2 PreSymp Control End – Control PreSymp Control End - treat2 End Control End – treat2 PreSymp Control Onset - Control PreSymp Control Onset - treat1 PreSymp Control Onset - treat2 PreSymp Control PreSymp – treat2 PreSymp treat1 End - Control Onset treat1 End - treat2 PreSymp treat1 Onset - Control PreSymp treat1 PreSymp - treat2 PreSymp treat2 End - Control Onset treat2 End - treat2 Onset treat2 End - treat2 PreSymp

help("metabolitePairwise")







