

Additional file 4 – Boxplots of conservation scores for enumerated and known metabolic paths

For paths of length 2 (two edges and three nodes) in the RMS-H1 network, distributions of the three conservation scores (*i.e.* *scoreRea*, *scoreProt* and *scorePageRank*) are presented in all enumerated paths versus paths in known metabolic pathways.

The latter present significant higher scores (p -value $< 2e^{-16}$ using Tukey's HSD tests)

