

Horizontal stacked bar chart showing the distribution of 15 metabolites across 15 bacterial phyla. The x-axis represents the count of metabolites (0 to 1000). The y-axis lists the metabolites: total, Glutamate, Proline, Glutamine, Glycerol, Taurine, Sucrose, Sorbitol, Mannitol, Trehalose, GABA, Sarcosine, Ectoine, DMSP, Glycine betaine, and Hydroxyectoine. The legend identifies the phyla: Actinobacteria (blue), Alphaproteobacteria (orange), Archaea (green), Bacteroidetes (red), Betaproteobacteria (purple), Cyanobacteria (brown), Deltaproteobacteria (pink), Epsilonproteobacteria (grey), Firmicutes (olive), Gammaproteobacteria (cyan), Oligoflexia (dark blue), Other (dark orange), Thermotogae (Phylum) (dark green), and Zetaproteobacteria (dark red).