

A horizontal stacked bar chart showing the distribution of 1000 samples across 10 categories. The x-axis represents the count of samples, ranging from 0 to 1000. The y-axis represents the categories. The bars are stacked with colors: dark purple, medium purple, red, orange, light orange, and white. The distribution is skewed towards the right, with most samples falling into the first few categories.

Horizontal stacked bar chart showing the distribution of 15 metabolites across 14 bacterial phyla. The metabolites are listed on the y-axis, and the phyla are color-coded in the legend. The x-axis represents the count of metabolites, ranging from 0 to 800.

Legend (plot\_grouping):

- Actinobacteria
- Alphaproteobacteria
- Archaea
- Bacteroidetes
- Betaproteobacteria
- Cyanobacteria
- Deltaproteobacteria
- Epsilonproteobacteria
- Firmicutes
- Gammaproteobacteria
- Oligoflexia
- Other
- Thermotogae (Phylum)
- Zetaproteobacteria

Metabolite	Actinobacteria	Alphaproteobacteria	Archaea	Bacteroidetes	Betaproteobacteria	Cyanobacteria	Deltaproteobacteria	Epsilonproteobacteria	Firmicutes	Gammaproteobacteria	Oligoflexia	Other	Thermotogae (Phylum)	Zetaproteobacteria
total	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Glutamate	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Glutamine	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Proline	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Glycerol	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Taurine	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Sucrose	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Sorbitol	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Mannitol	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Trehalose	60	140	10	100	100	20	20	20	100	100	10	10	10	10
GABA	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Sarcosine	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Ectoine	60	140	10	100	100	20	20	20	100	100	10	10	10	10
Glycine betaine	60	140	10	100	100	20	20	20	100	100	10	10	10	10
TMAO	60	140	10	100	100	20	20	20	100	100	10	10	10	10