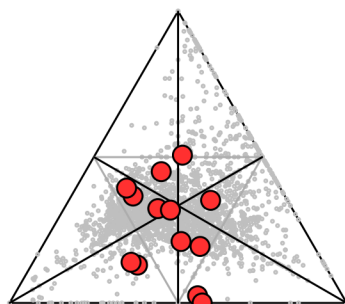
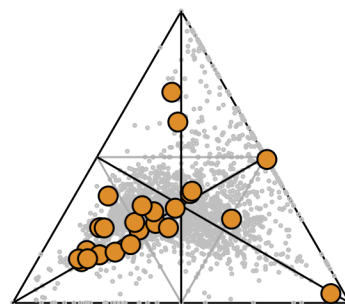


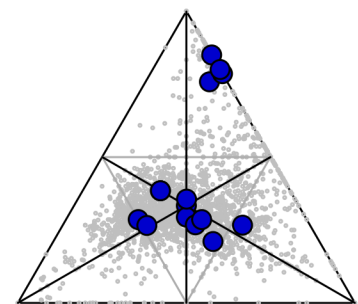
Amino acid catabolism



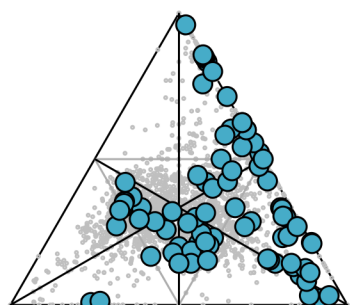
Amino sugar metabolism



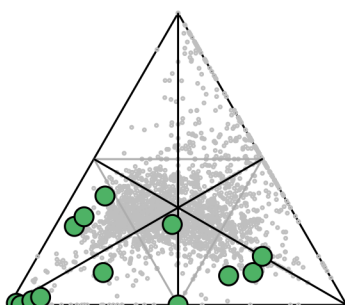
Glycolysis-associated



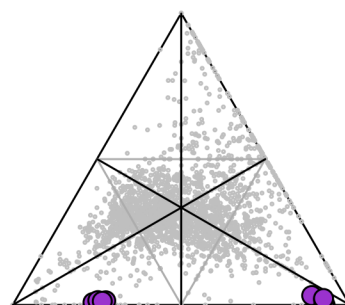
Polysaccharide metabolism



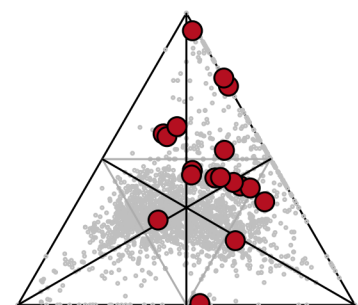
PTS transporters



ABC sugar transporters



Sugar alcohol metabolism



Fermentation product synthesis