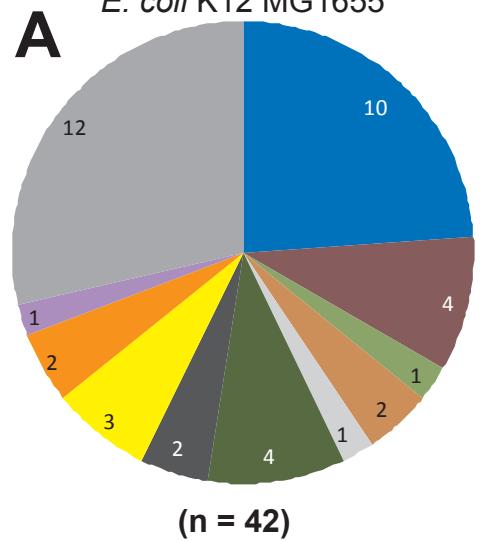
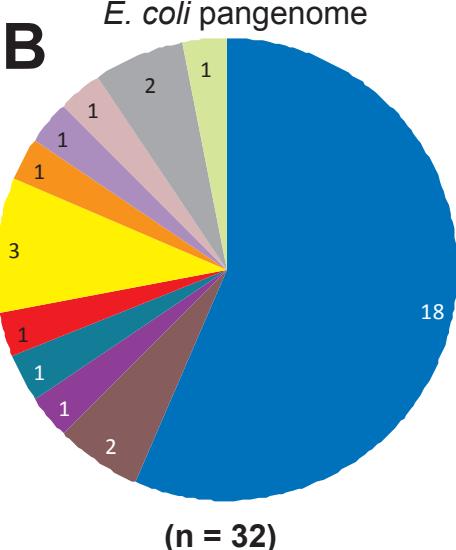


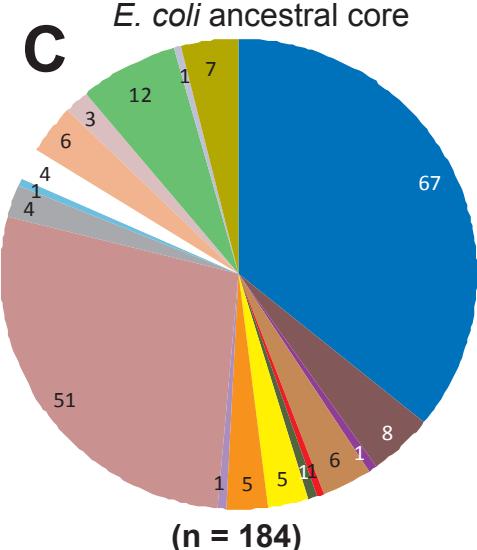
*E. coli* K12 MG1655



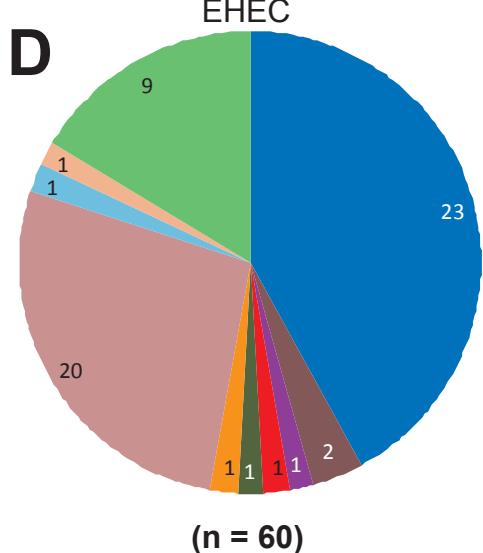
*E. coli* pangenome



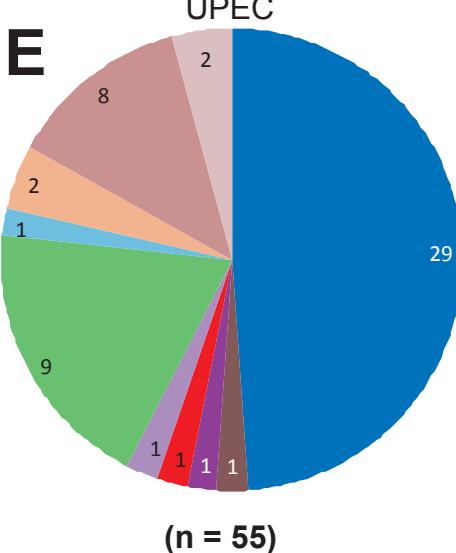
*E. coli* ancestral core



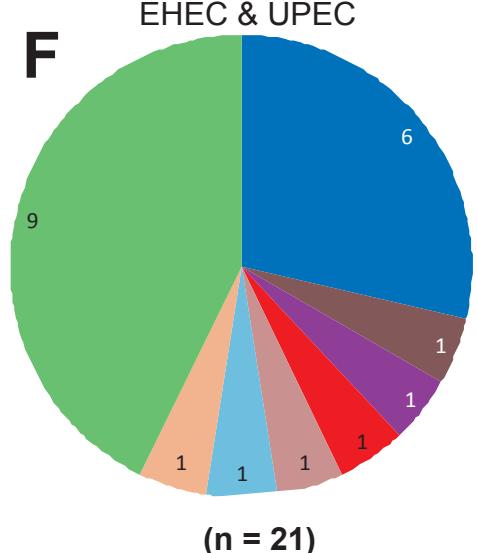
EHEC



UPEC



EHEC & UPEC



- (■) Alternate carbon metabolism
- (■) Amino acid metabolism
- (■) Carnitine degradation
- (■) Cell envelope biosynthesis
- (■) Citric acid cycle
- (■) Cofactor and prosthetic group biosynthesis
- (■) Glycerophospholipid metabolism
- (■) Glycine betaine biosynthesis
- (■) Inorganic ion transport and metabolism
- (■) Lipopolysaccharide biosynthesis/recycling
- (■) Membrane lipid metabolism

- (■) Menaquinone biosynthesis
- (■) Murein metabolism
- (■) Nitrogen metabolism
- (■) Oxidative phosphorylation
- (■) Purine and pyrimidine metabolism
- (■) Pyruvate metabolism
- (■) Transport inner membrane
- (■) Transport outer membrane
- (■) Unassigned
- (■) Urea degradation
- (□) tRNA charging