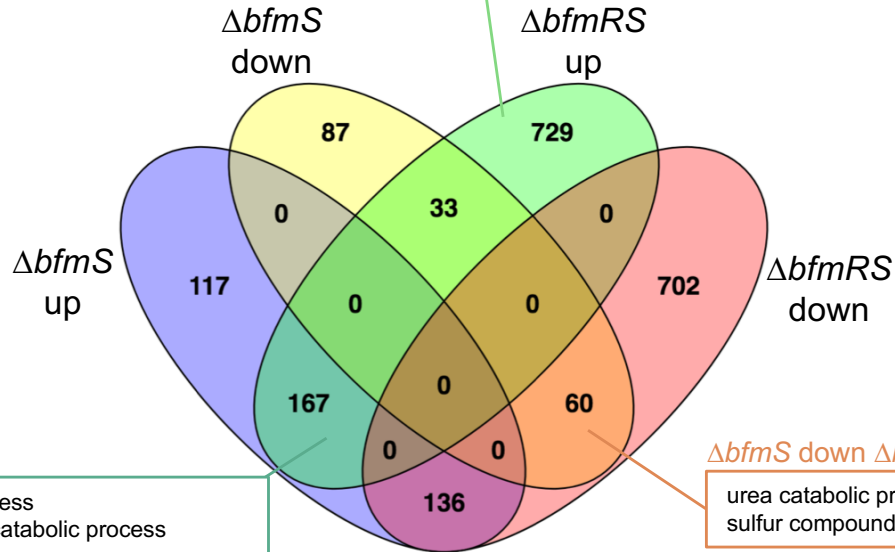


$\Delta bfmRS$ up

phosphorelay signal transduction system
nitrate assimilation
DNA dealkylation involved in DNA repair
protein-chromophore linkage



$\Delta bfmS$ up $\Delta bfmRS$ up

phenylacetate catabolic process
branched-chain amino acid catabolic process
acetoin catabolic process
fatty acid metabolic process
fatty acid β -oxidation using acyl-CoA dehydrogenase
metabolic process
putrescine catabolic process

$\Delta bfmS$ down $\Delta bfmRS$ down

urea catabolic process
sulfur compound metabolic process