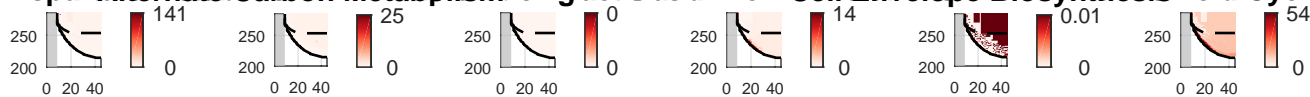
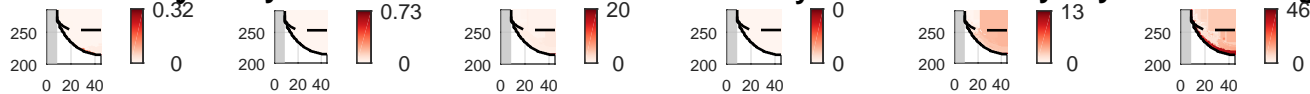


## Figure S10

## Alanine and Aspartate Metabolism, Glutamate Metabolism, and Proline Metabolism Biosynthesis Acid Cycle



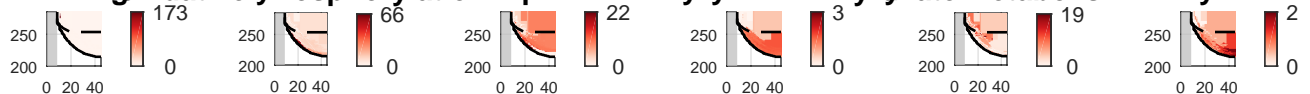
Factor and Prosthetic Group  
Oxidative  
Purine  
Pyrimidine  
Nucleic Acid  
Metabolism  
Folate  
Metabolism  
Glycine  
Metabolism  
Serine  
Metabolism  
Glucose  
Metabolism  
Gluconeogenesis



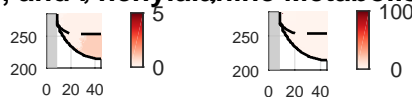
Glyoxylate Metabolism Histidine Metabolism Methionine Lipid Metabolism Methionine Metabolism Methionine Metabolism Glyoxal Metabolism Nitrogen Metabolism



**Nucleotide Salvage, De Novo Purine Phosphoribosylation, Pyrimidine Biosynthesis, and Lysine Metabolism**



## Tryptophan and Phenylalanine Metabolism

 $T_{TR}$