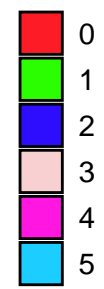
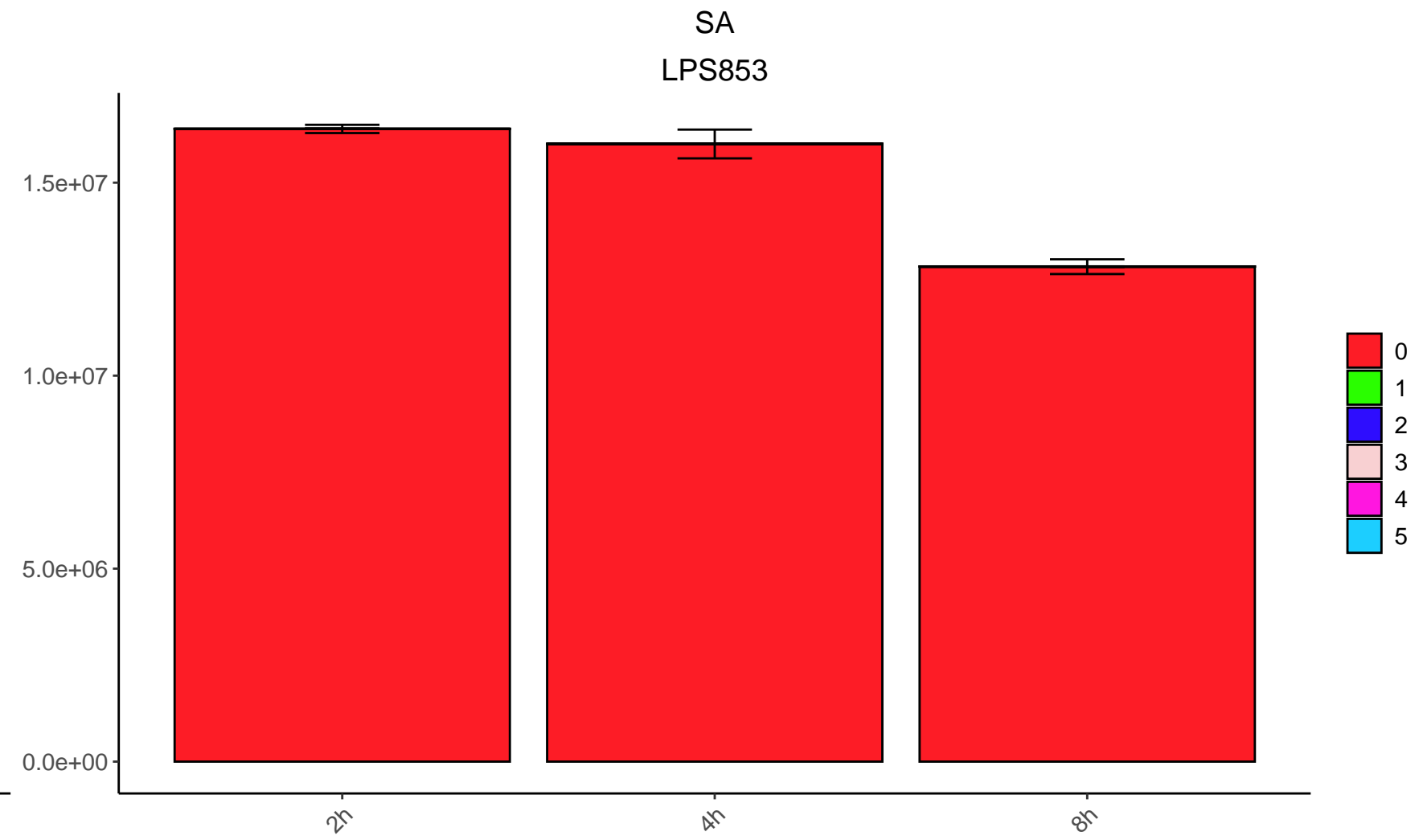
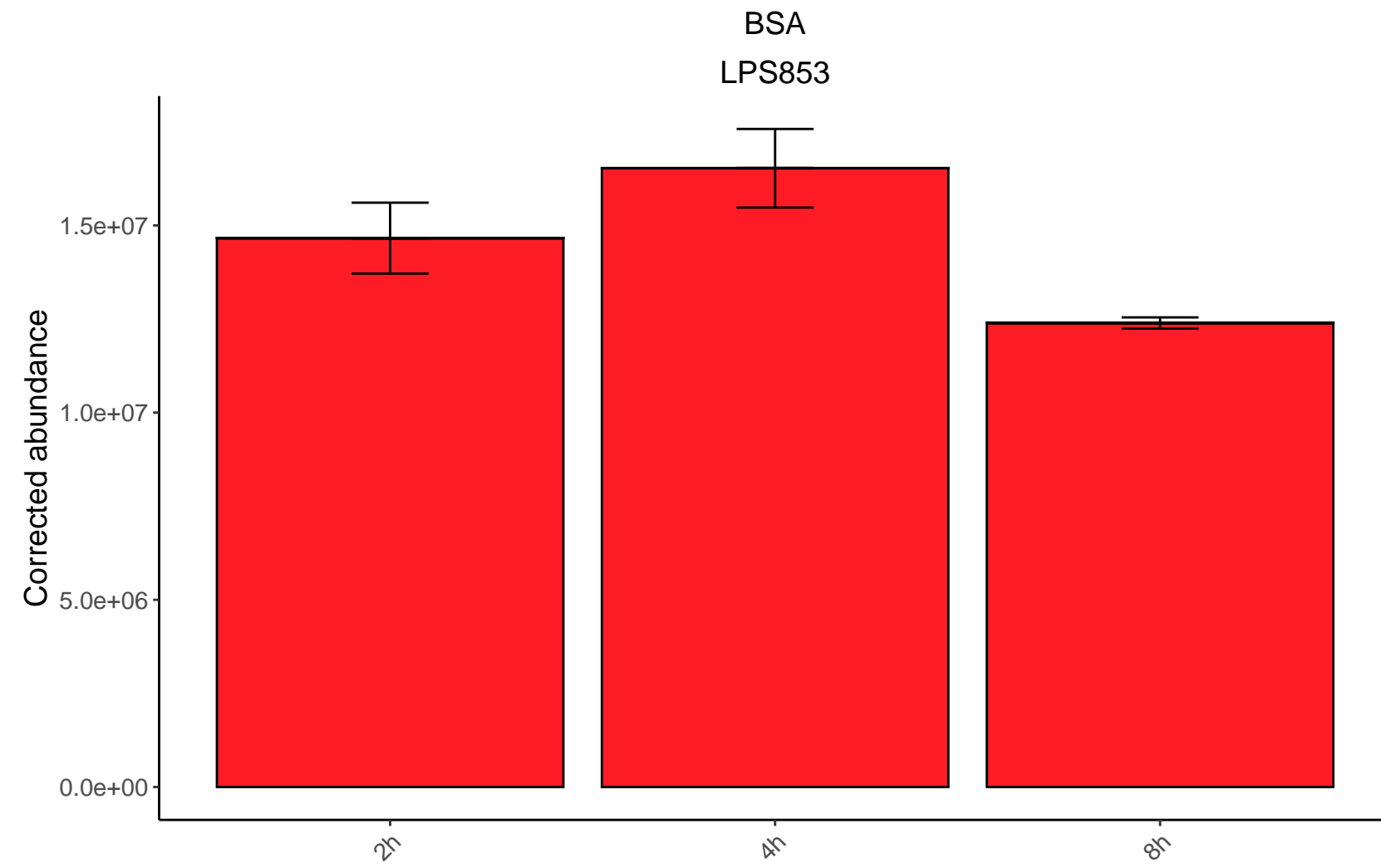
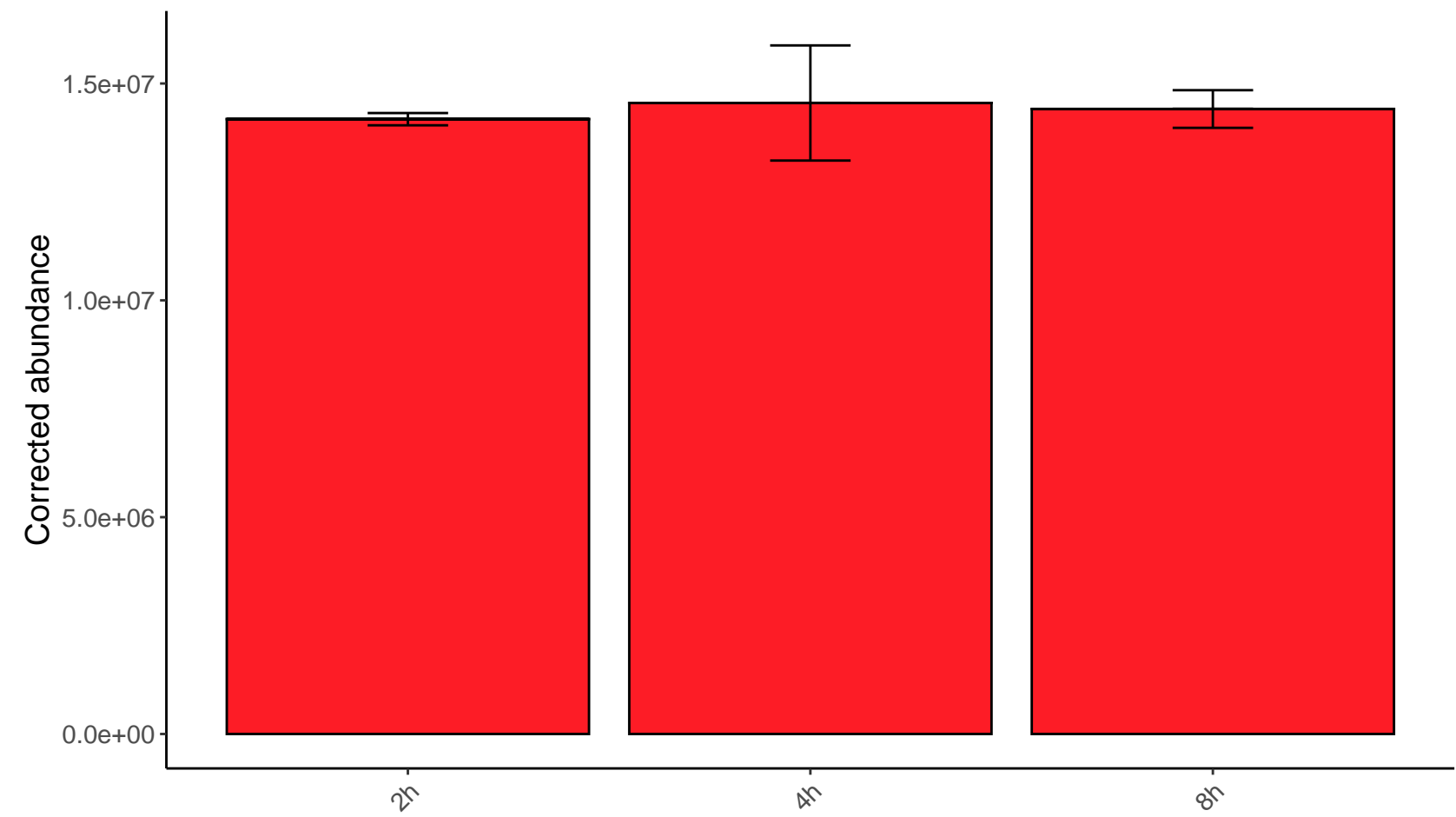


# Glutamine

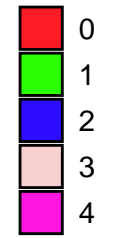
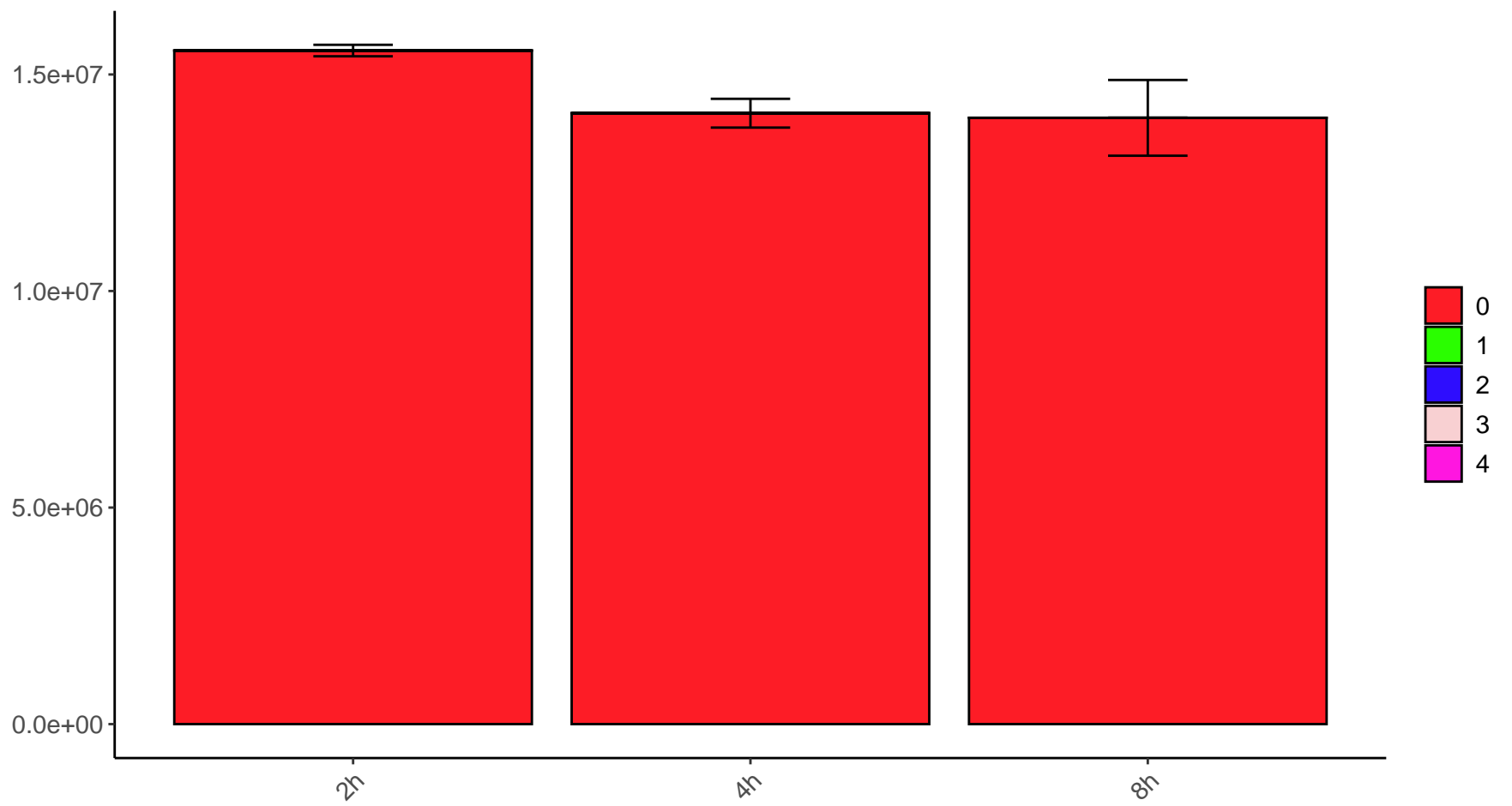


# Threonine

BSA  
LPS853

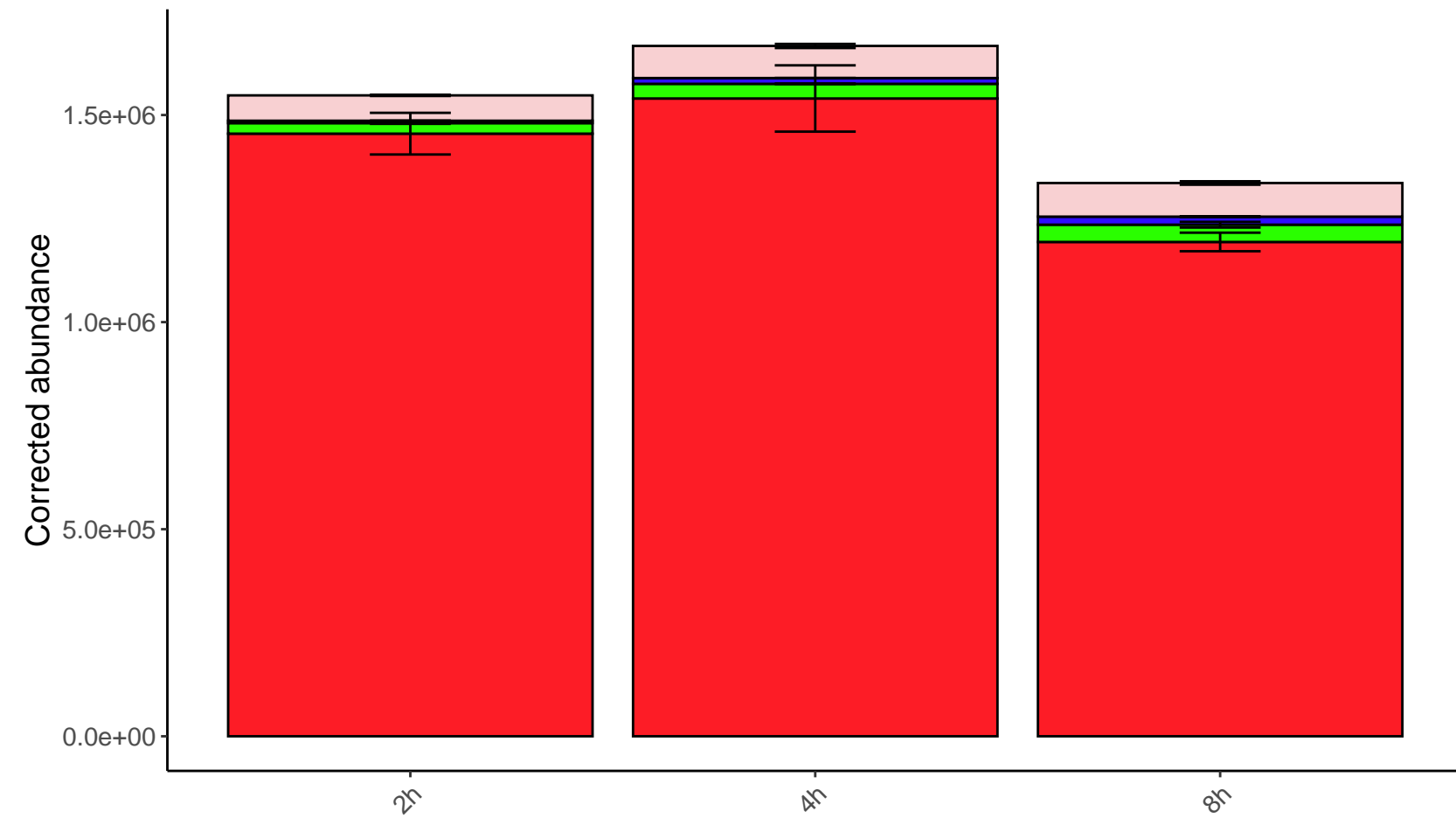


SA  
LPS853

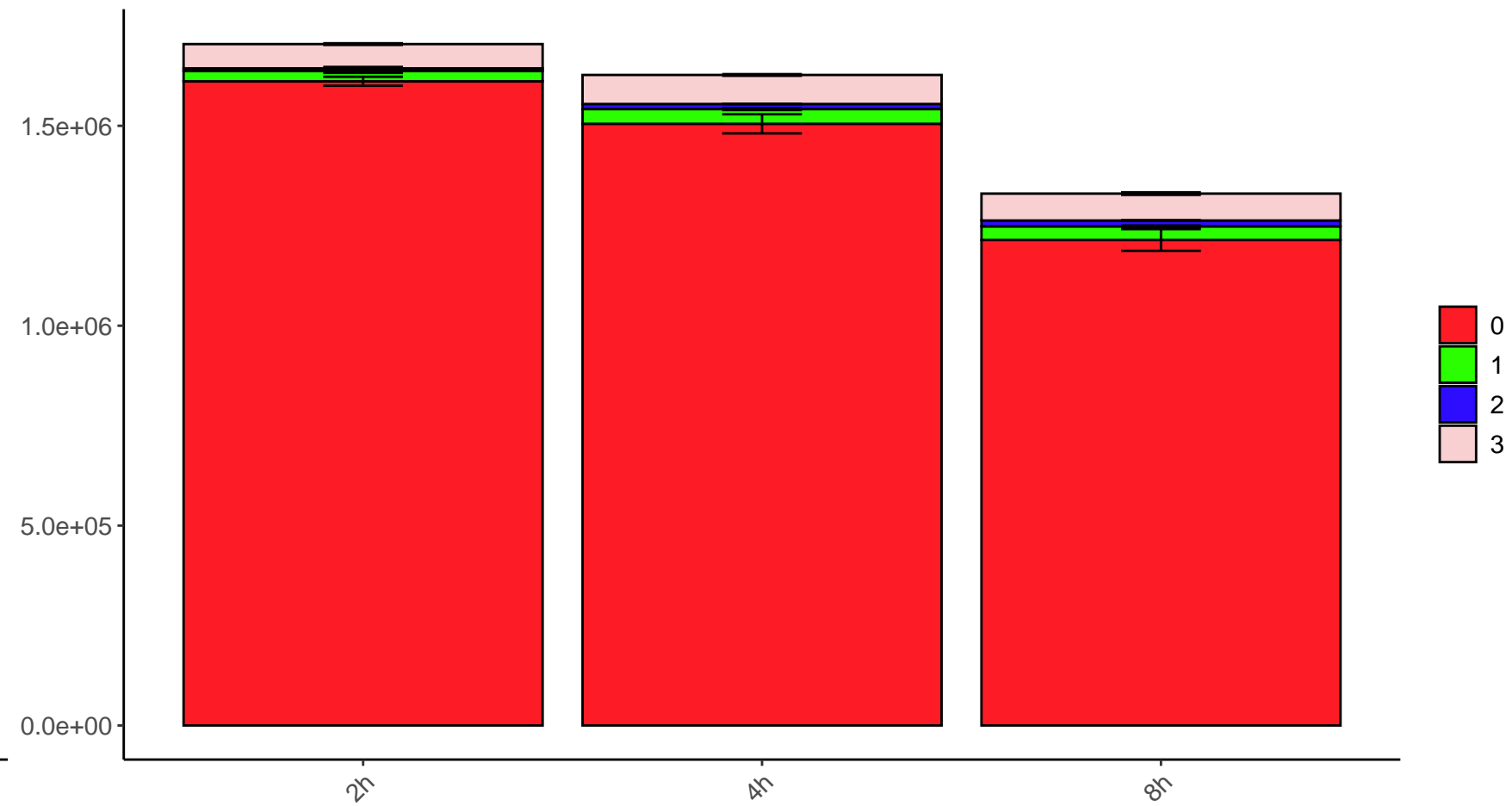


# Serine

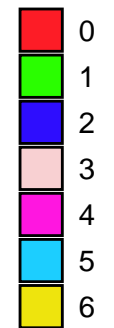
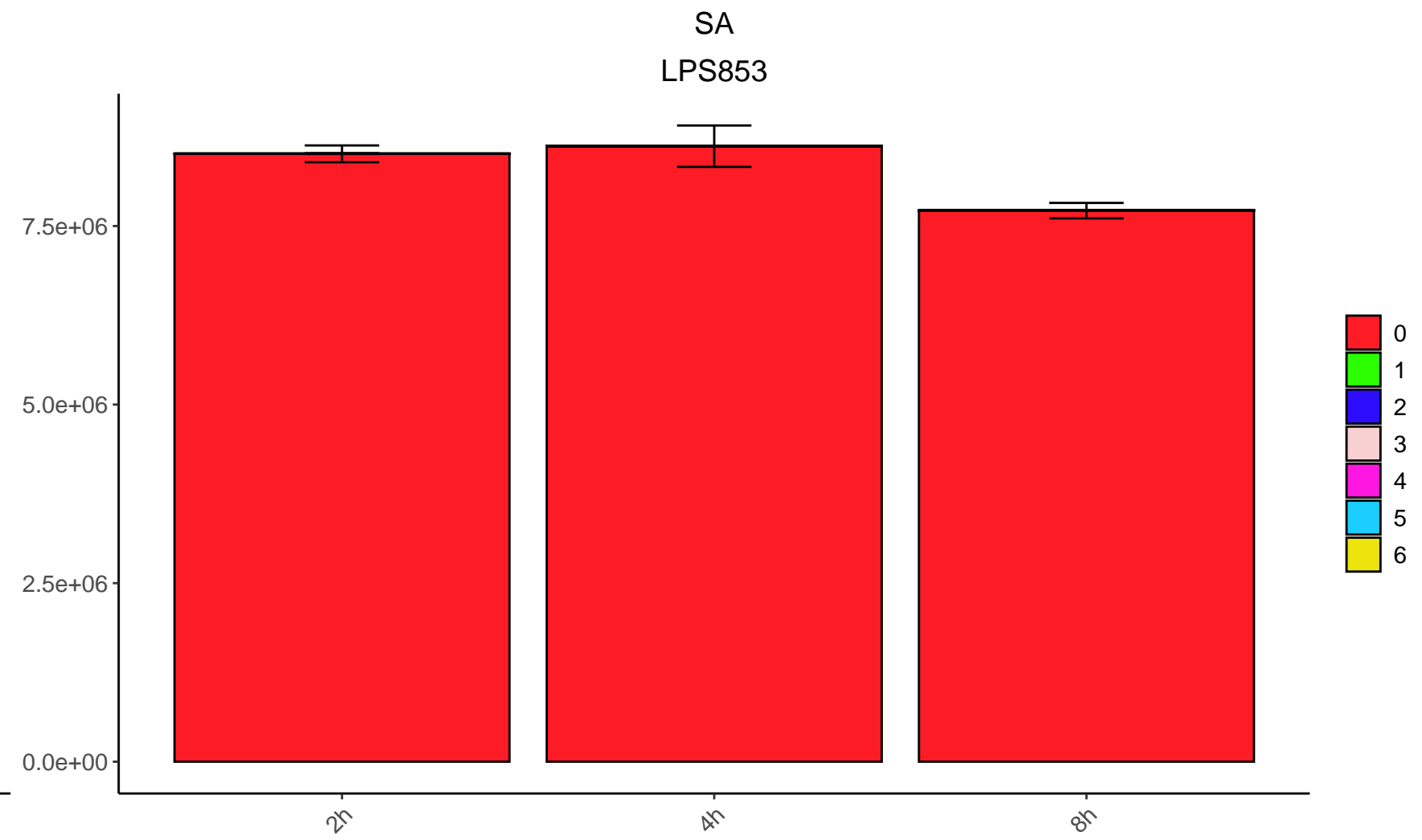
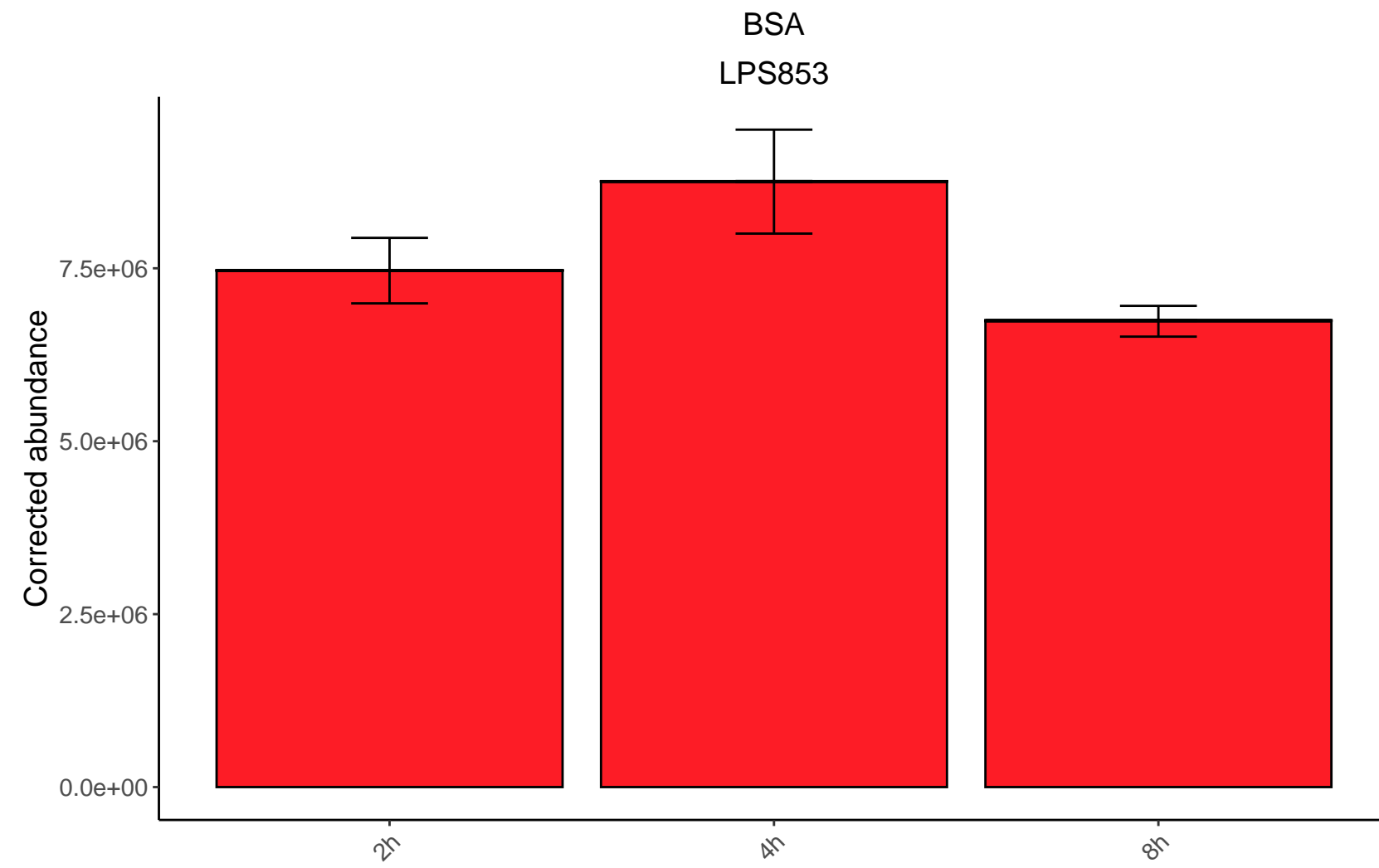
BSA  
LPS853



SA  
LPS853



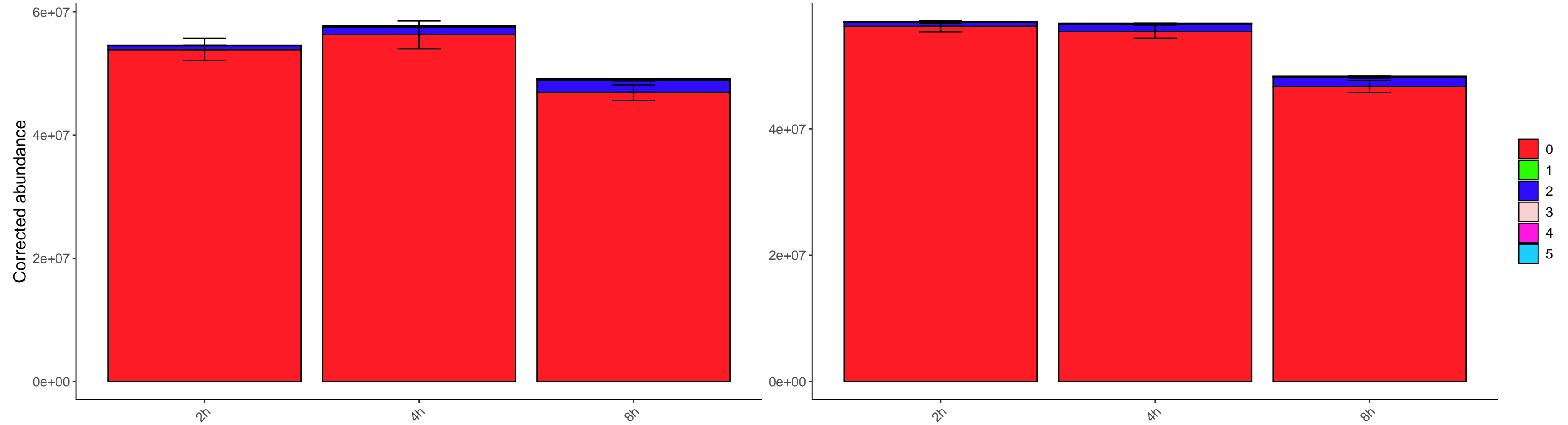
# Isoleucine



# Glutamic acid

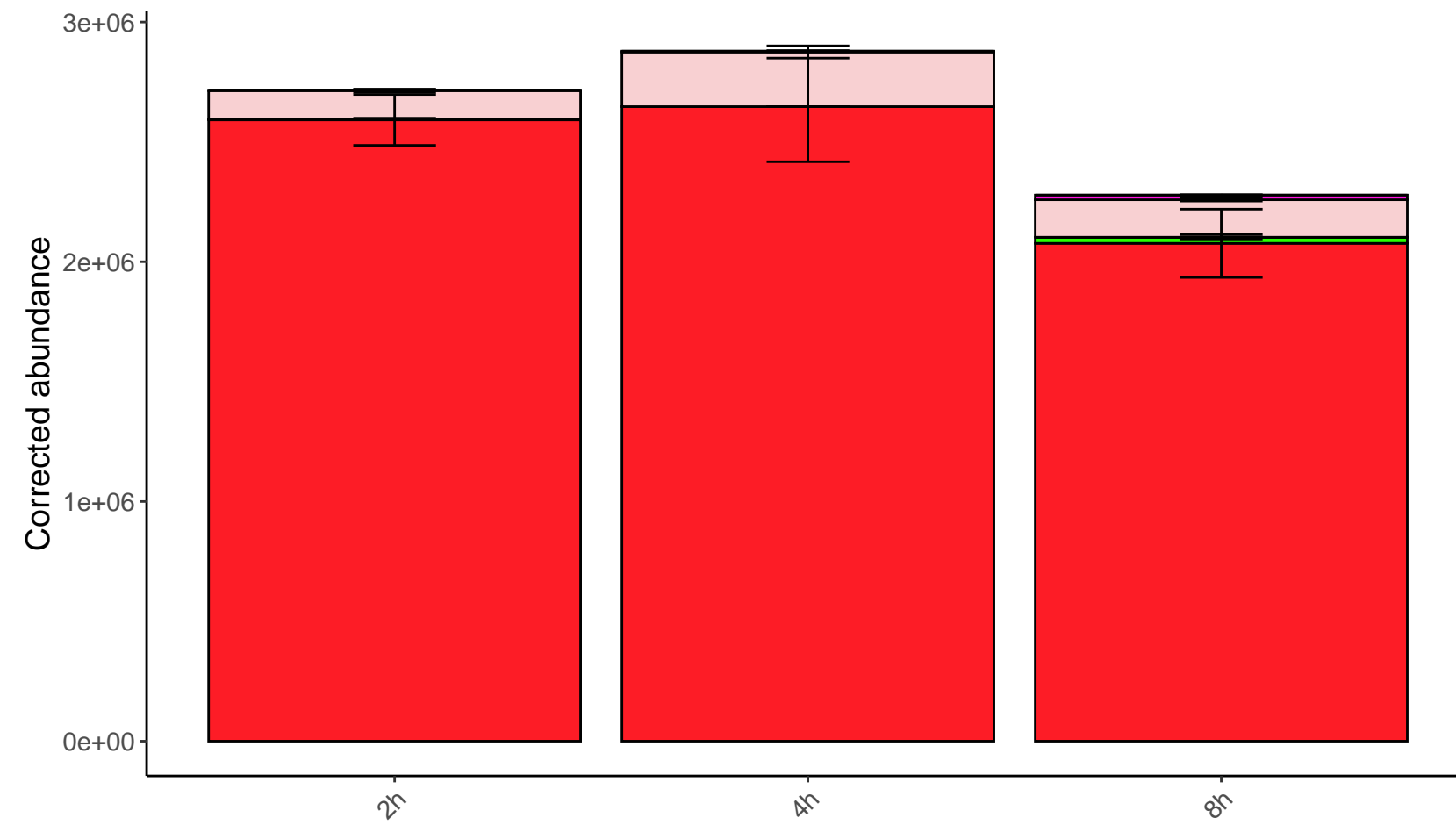
BSA  
LPS853

SA  
LPS853

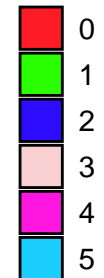
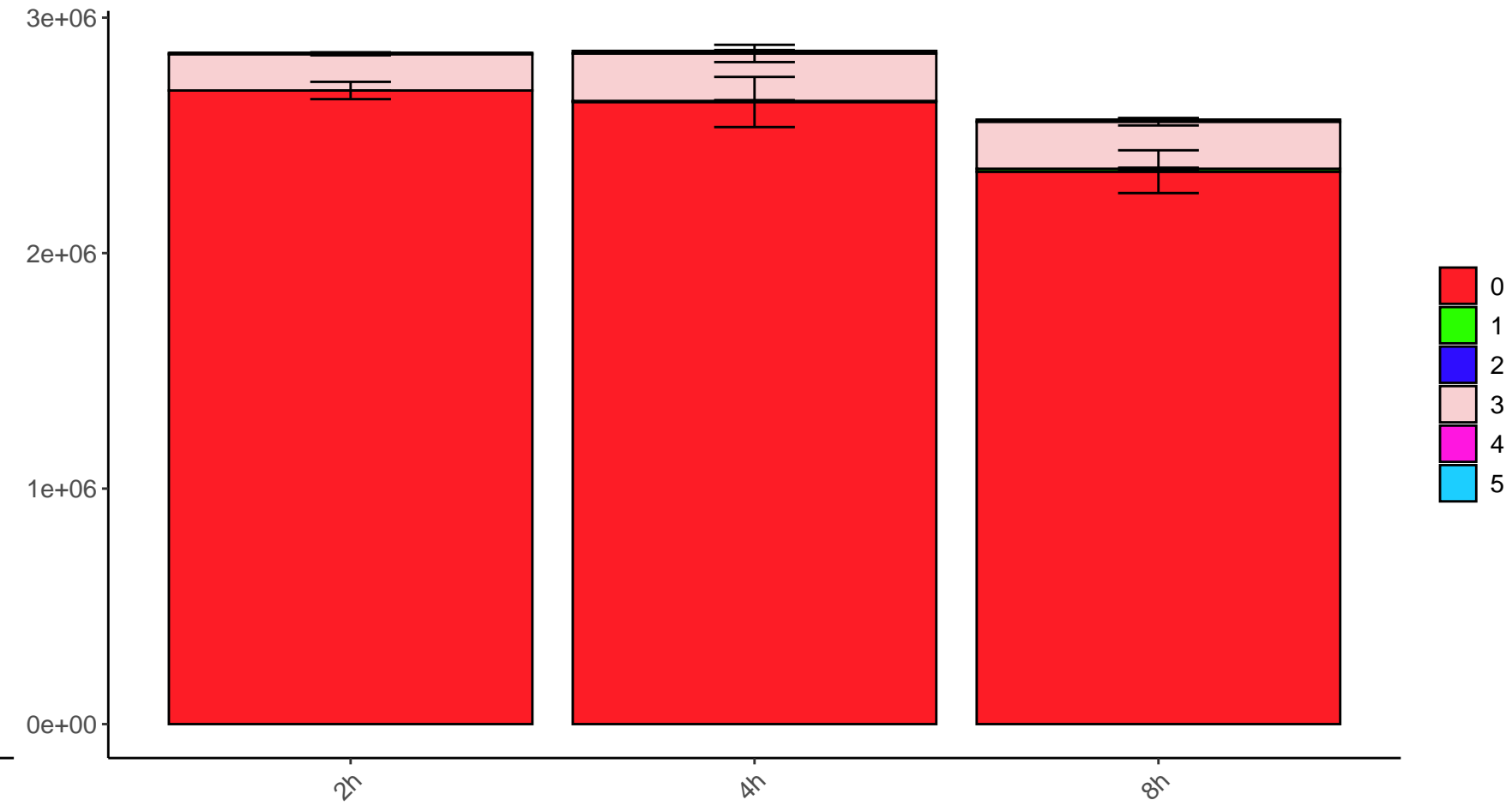


# Methionine

BSA  
LPS853



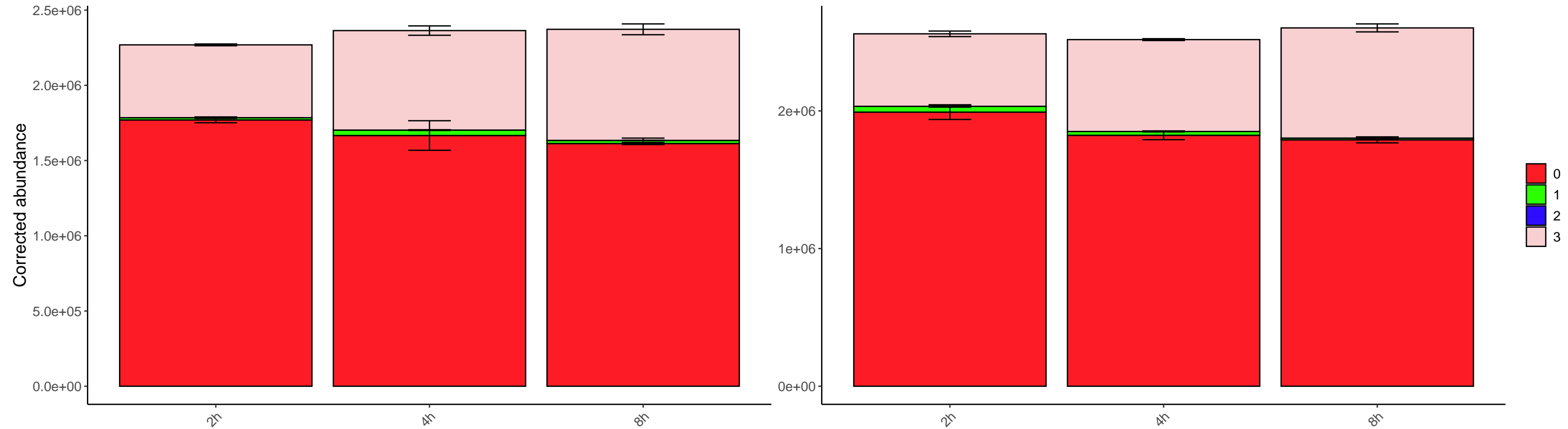
SA  
LPS853



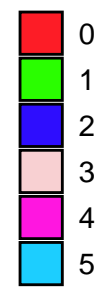
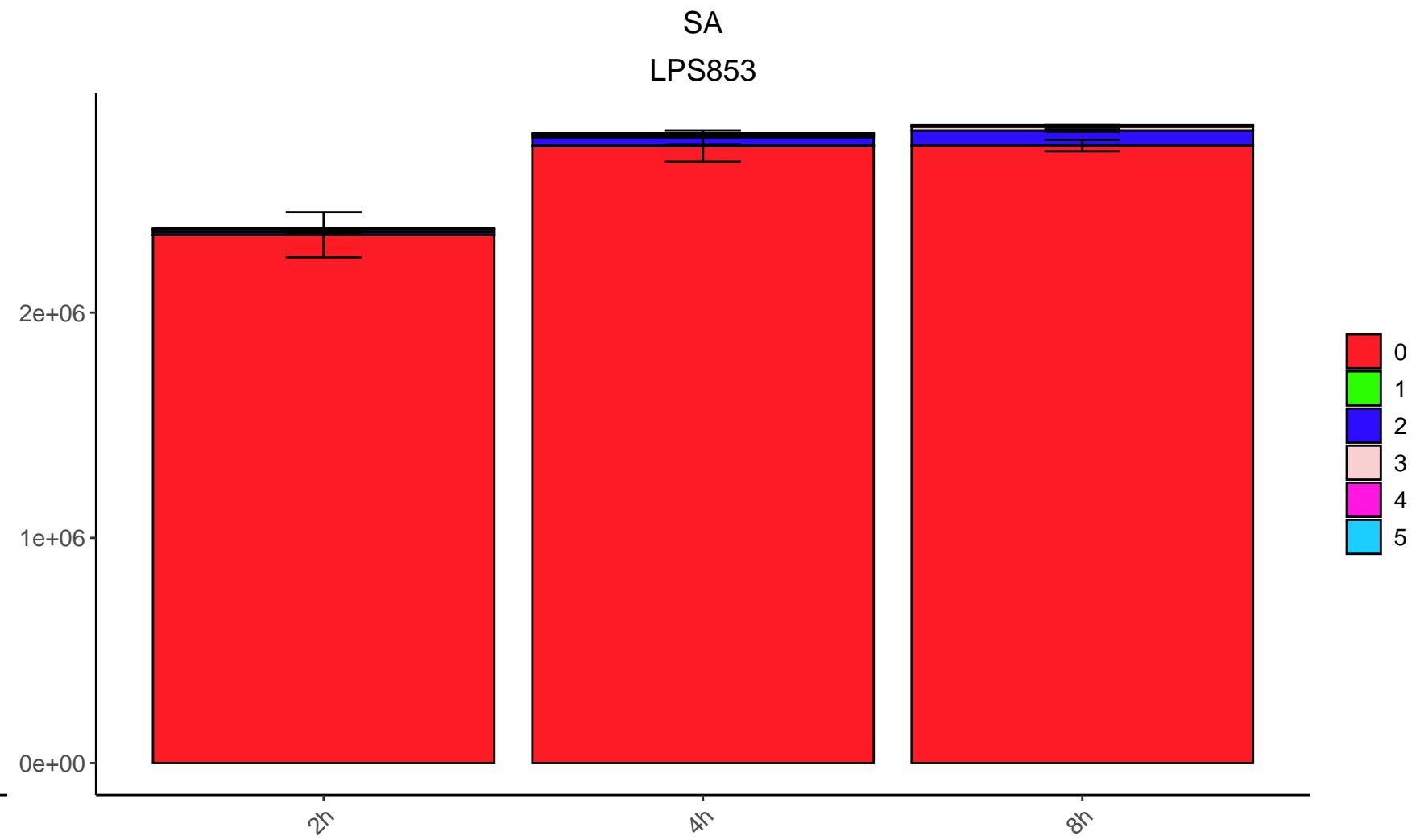
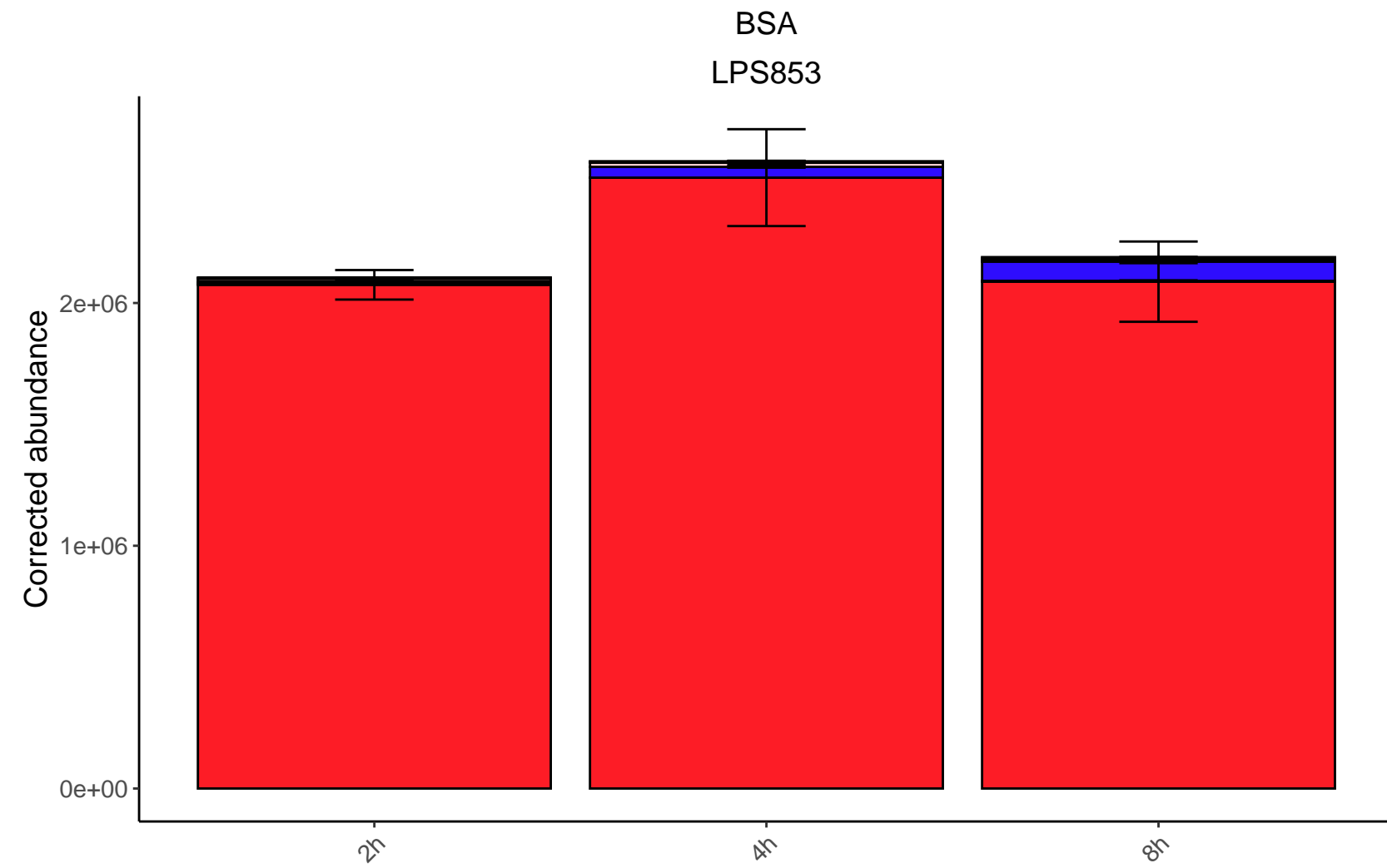
# Alanine

BSA  
LPS853

SA  
LPS853



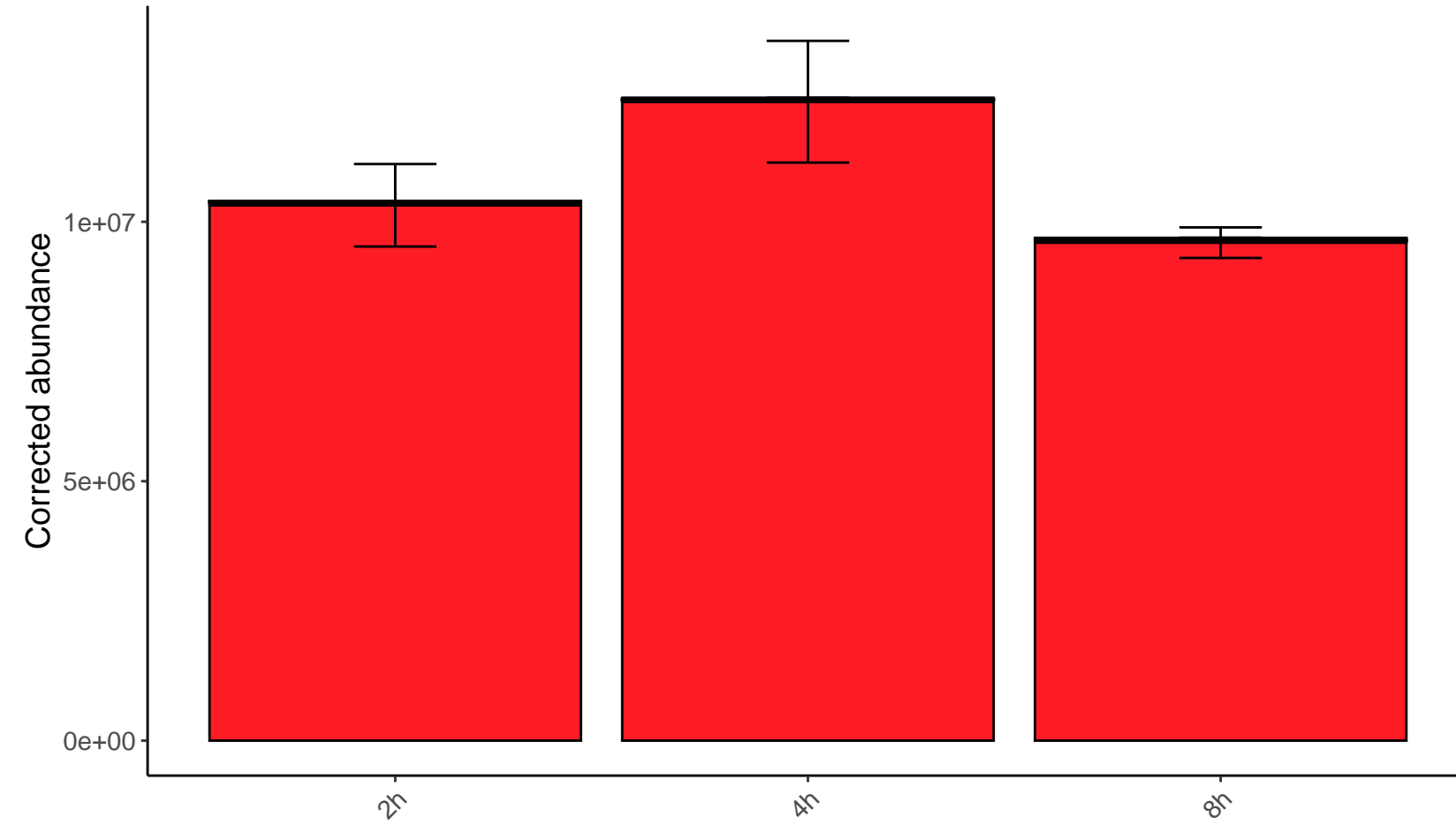
# Proline



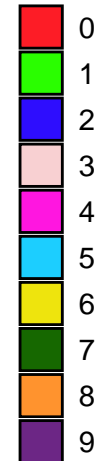
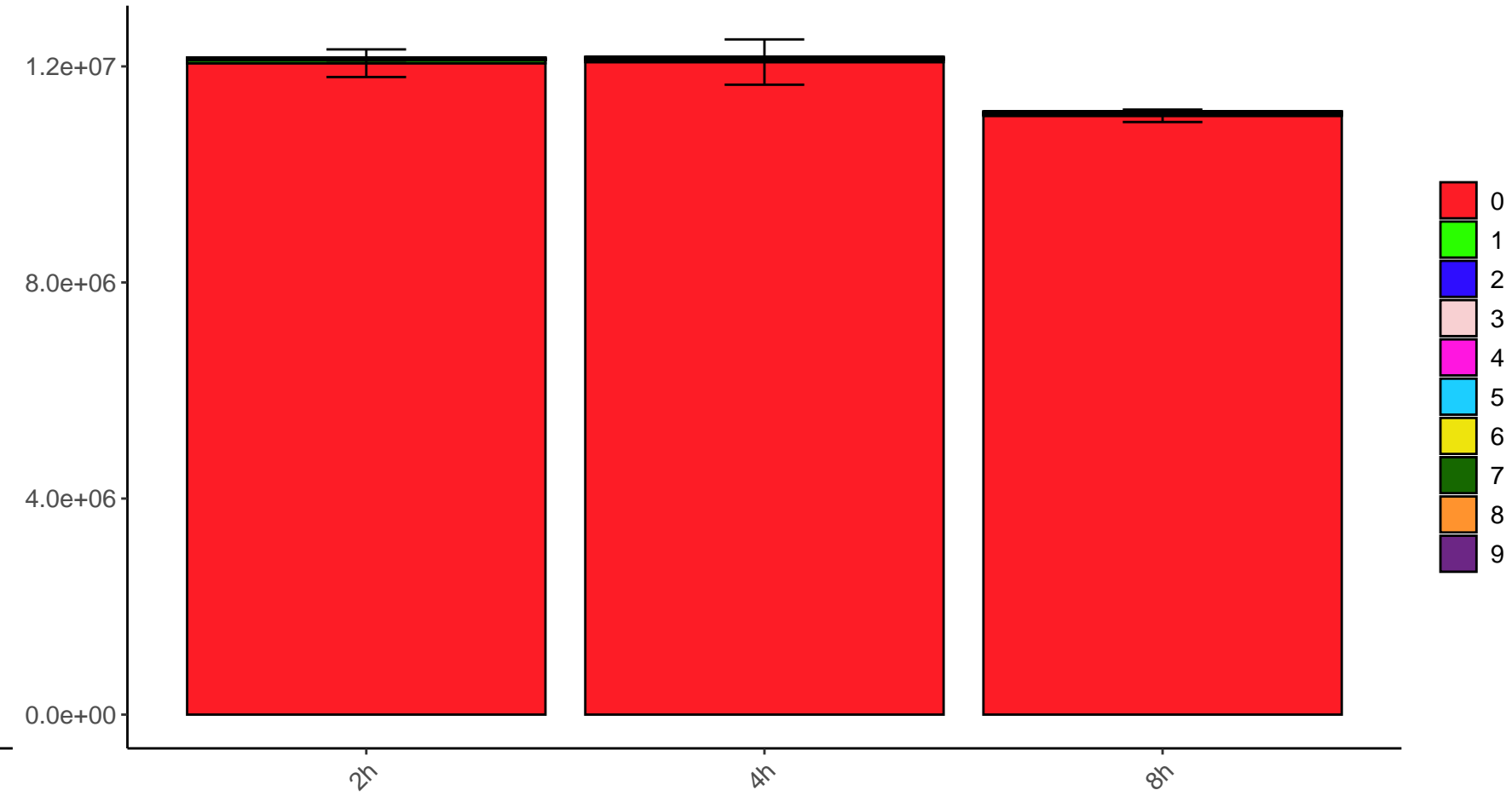


# Phenylalanine

BSA  
LPS853



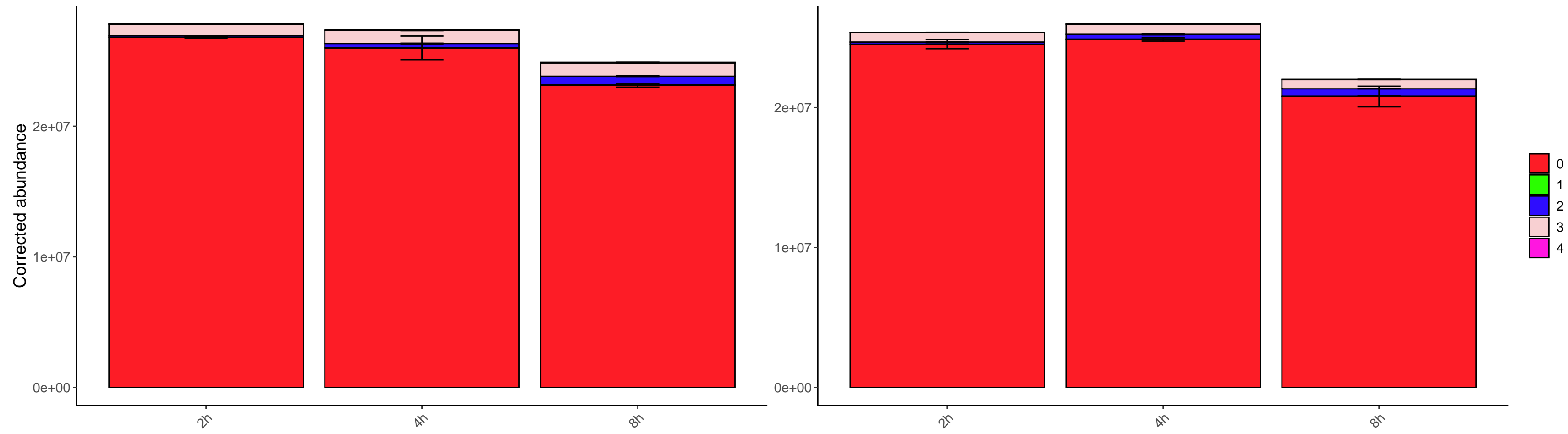
SA  
LPS853



# Aspartic acid

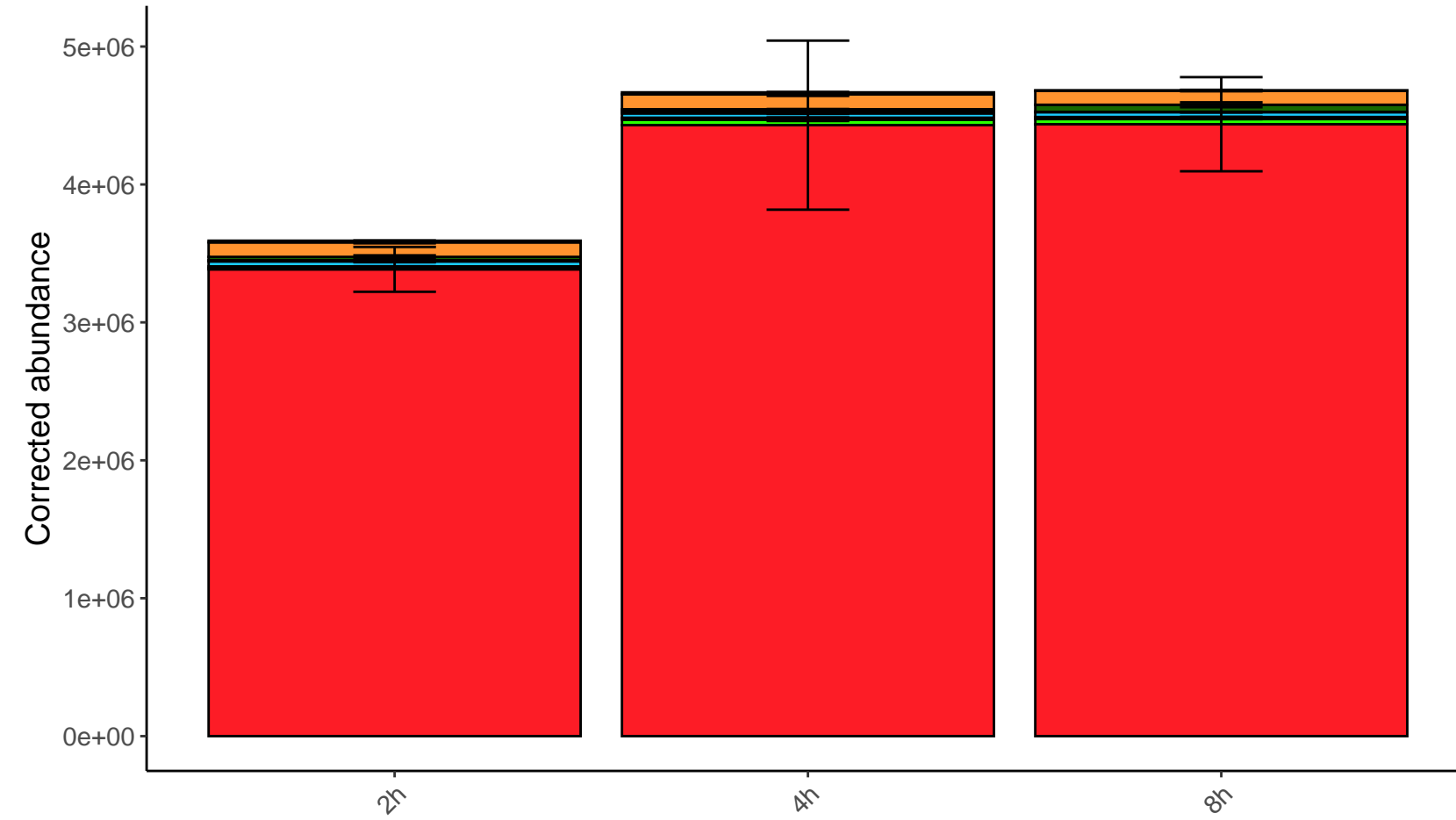
BSA  
LPS853

SA  
LPS853

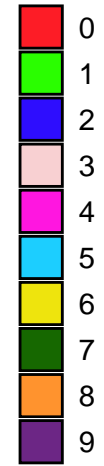
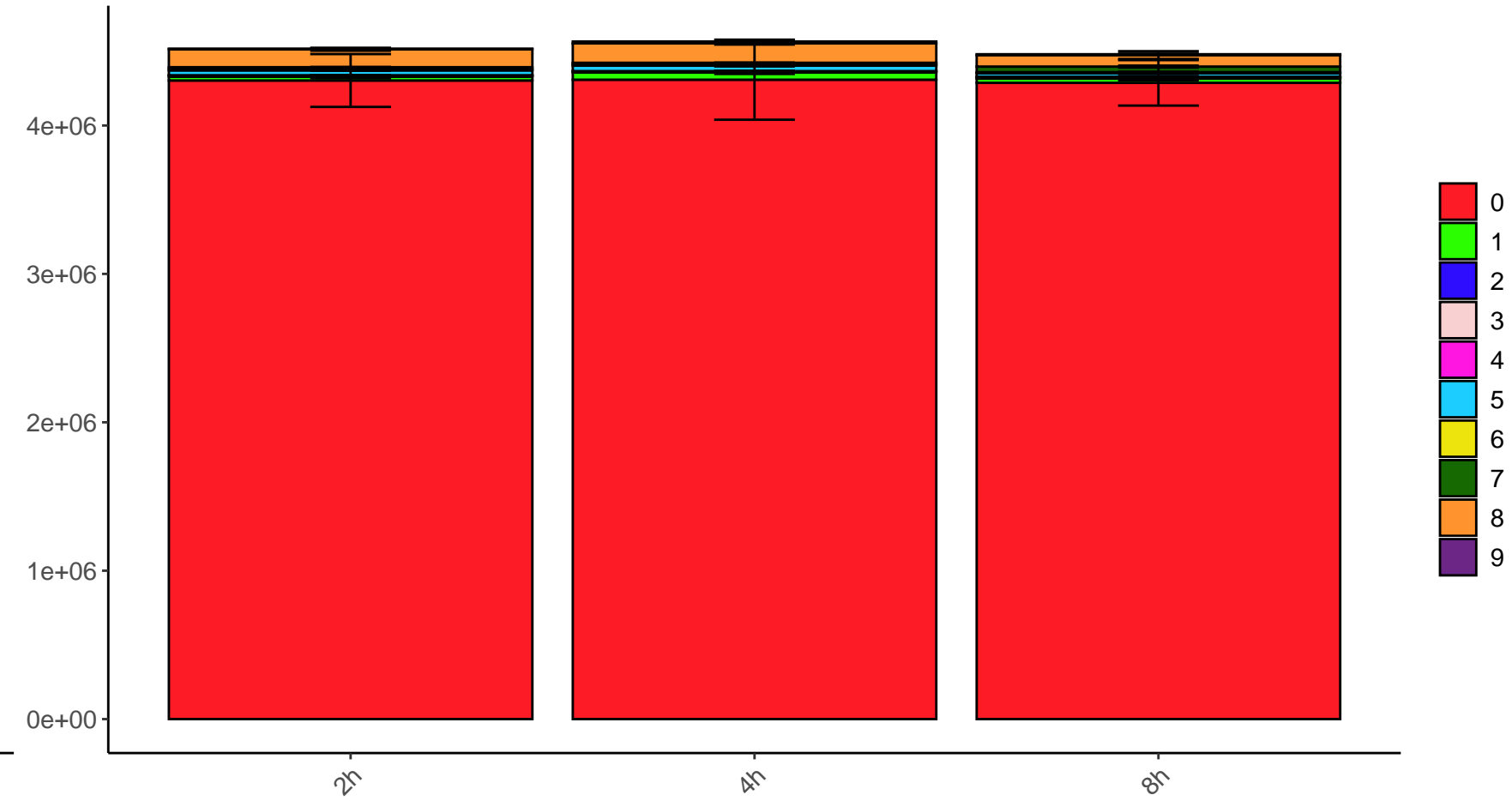


# Tyrosine

BSA  
LPS853



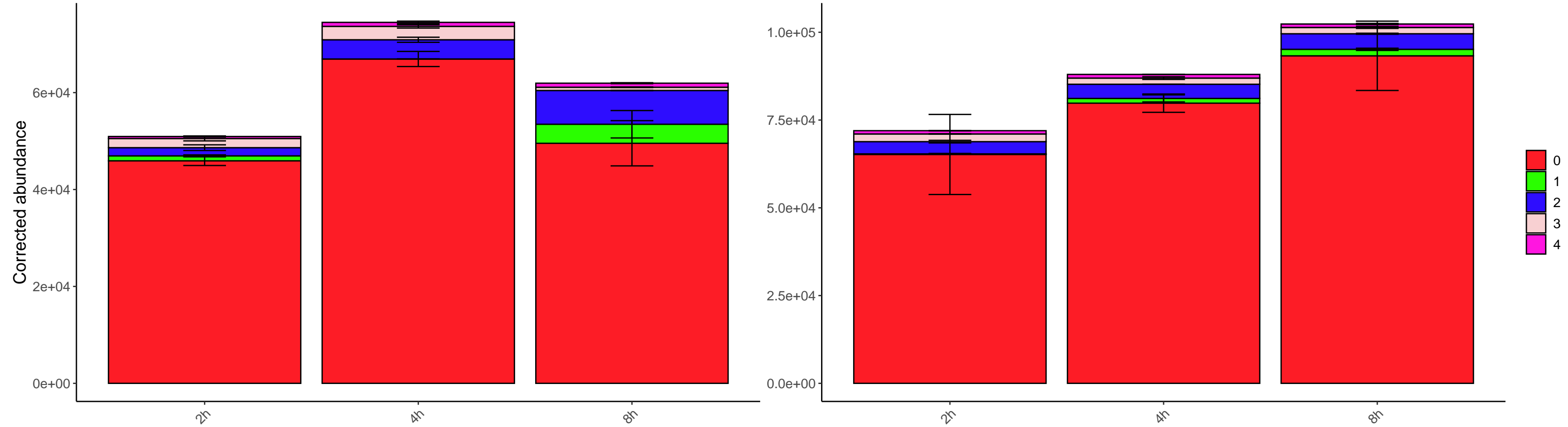
SA  
LPS853



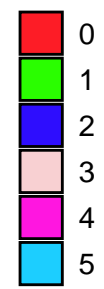
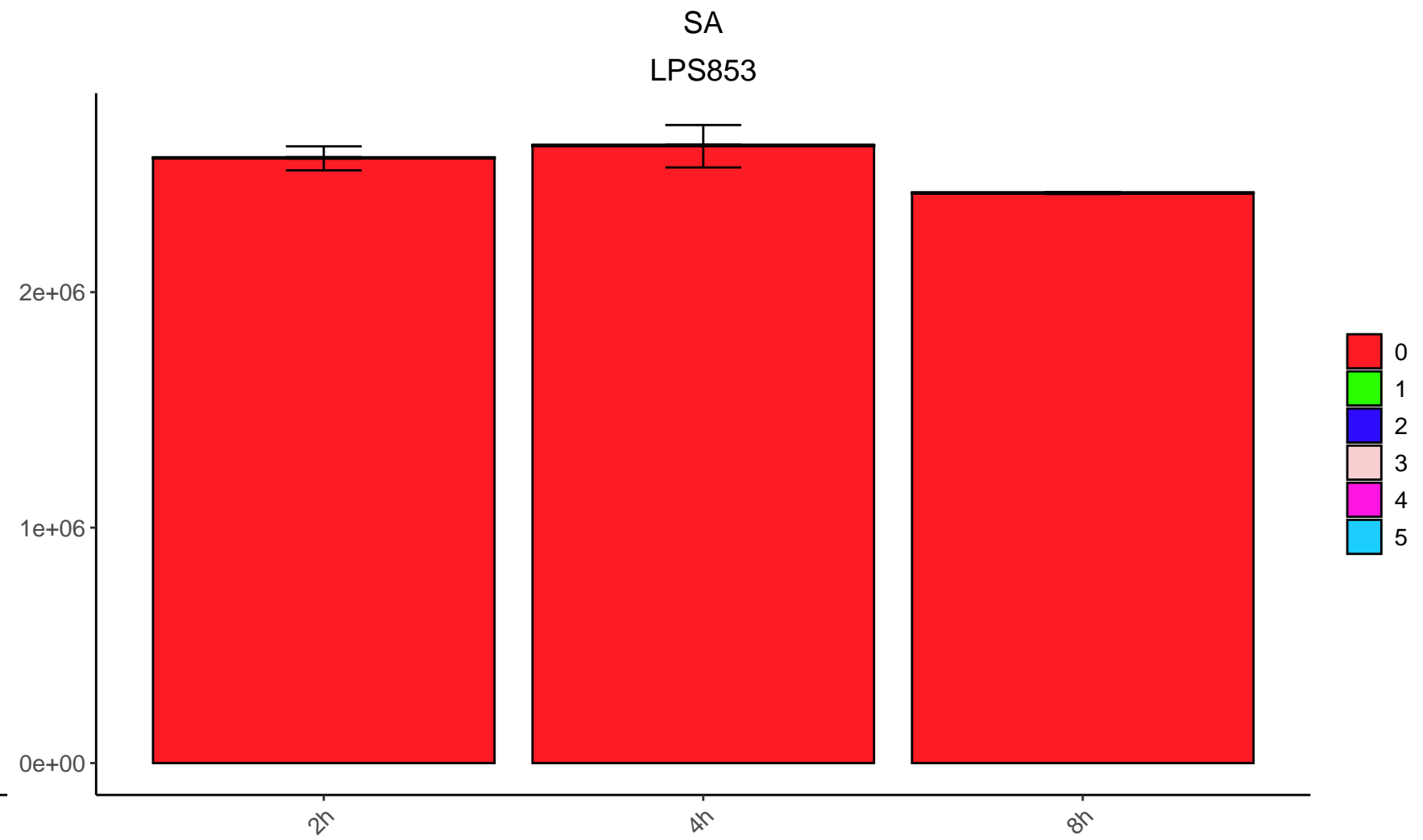
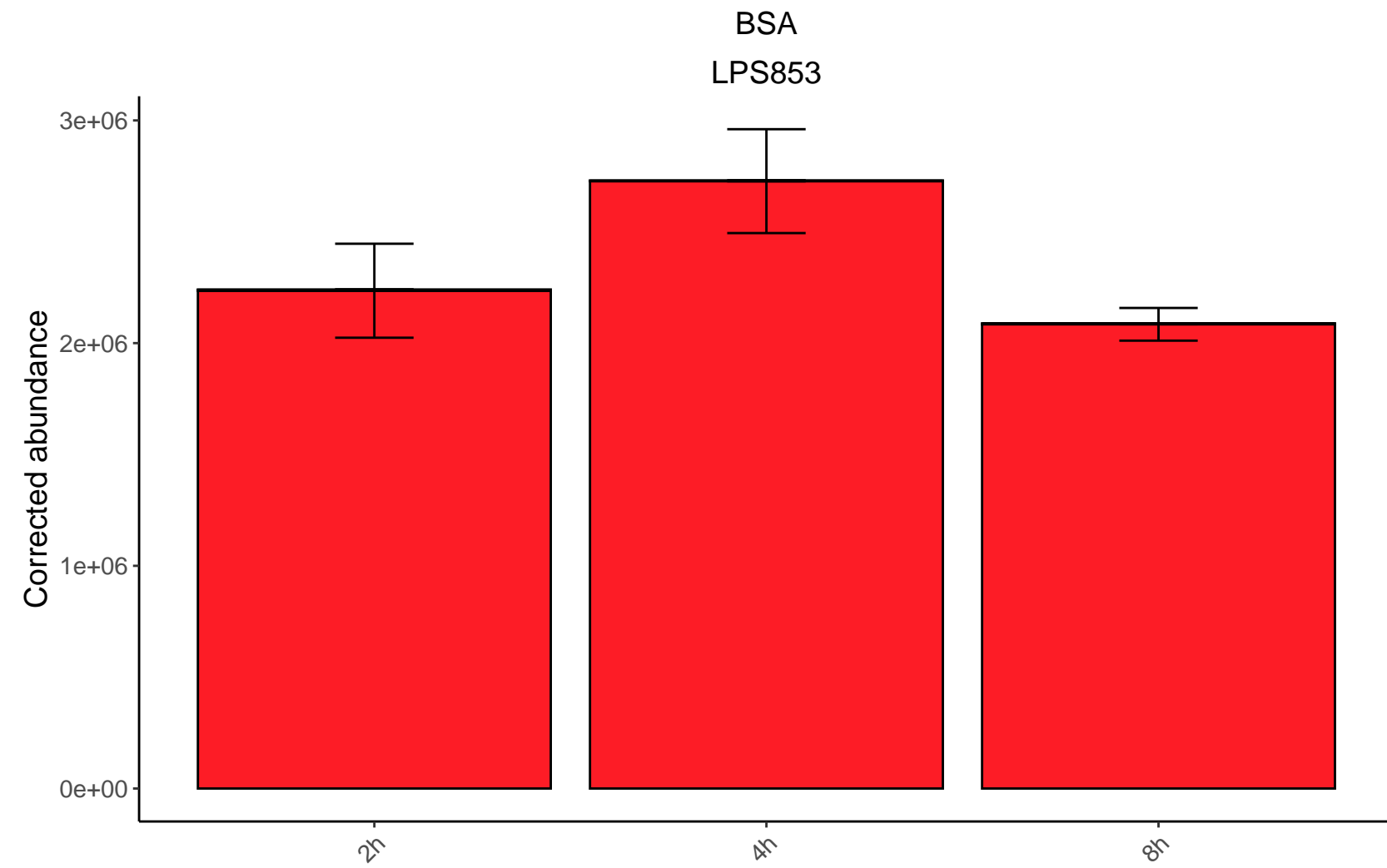
# Asparagine

BSA  
LPS853

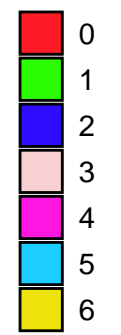
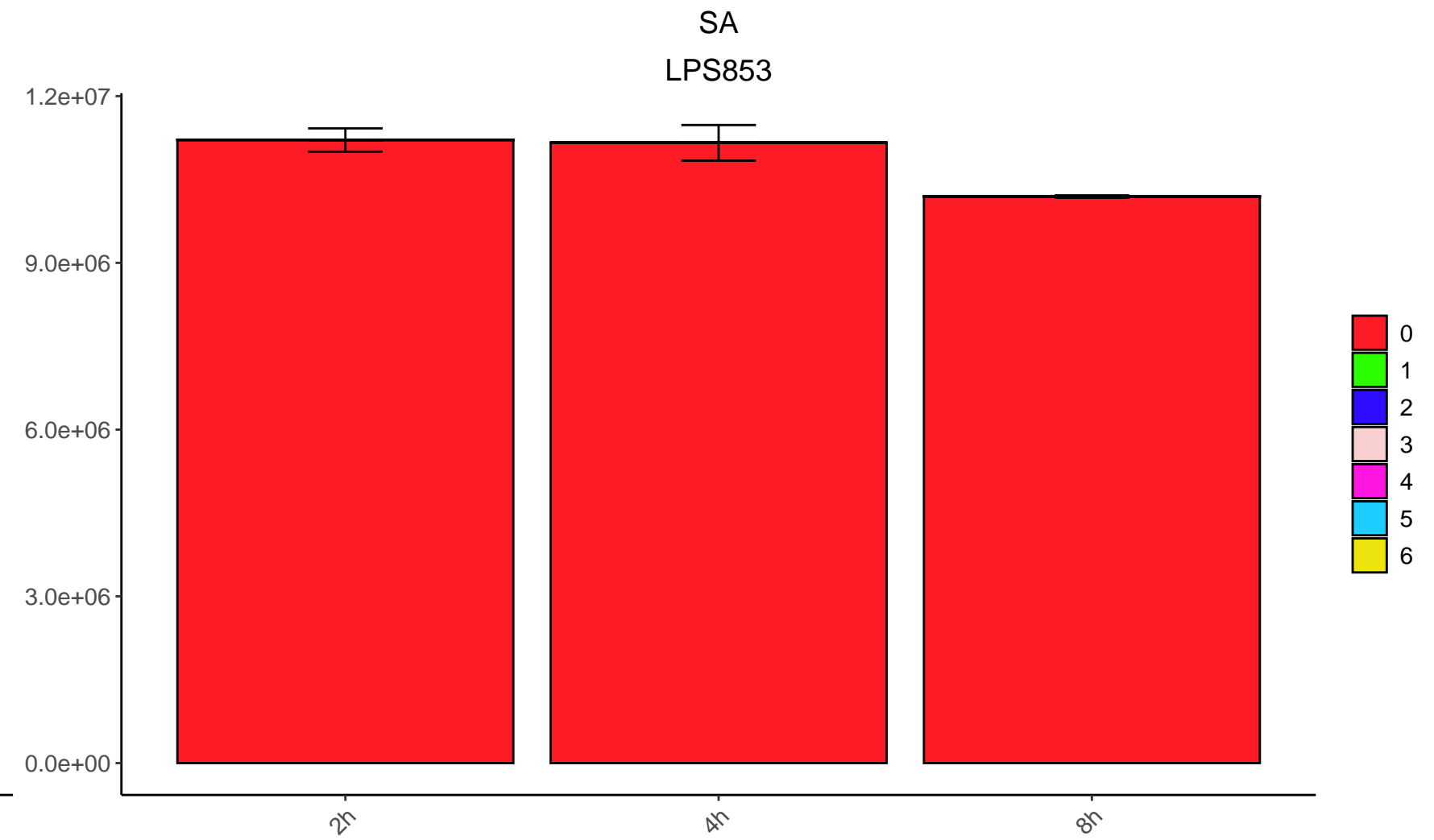
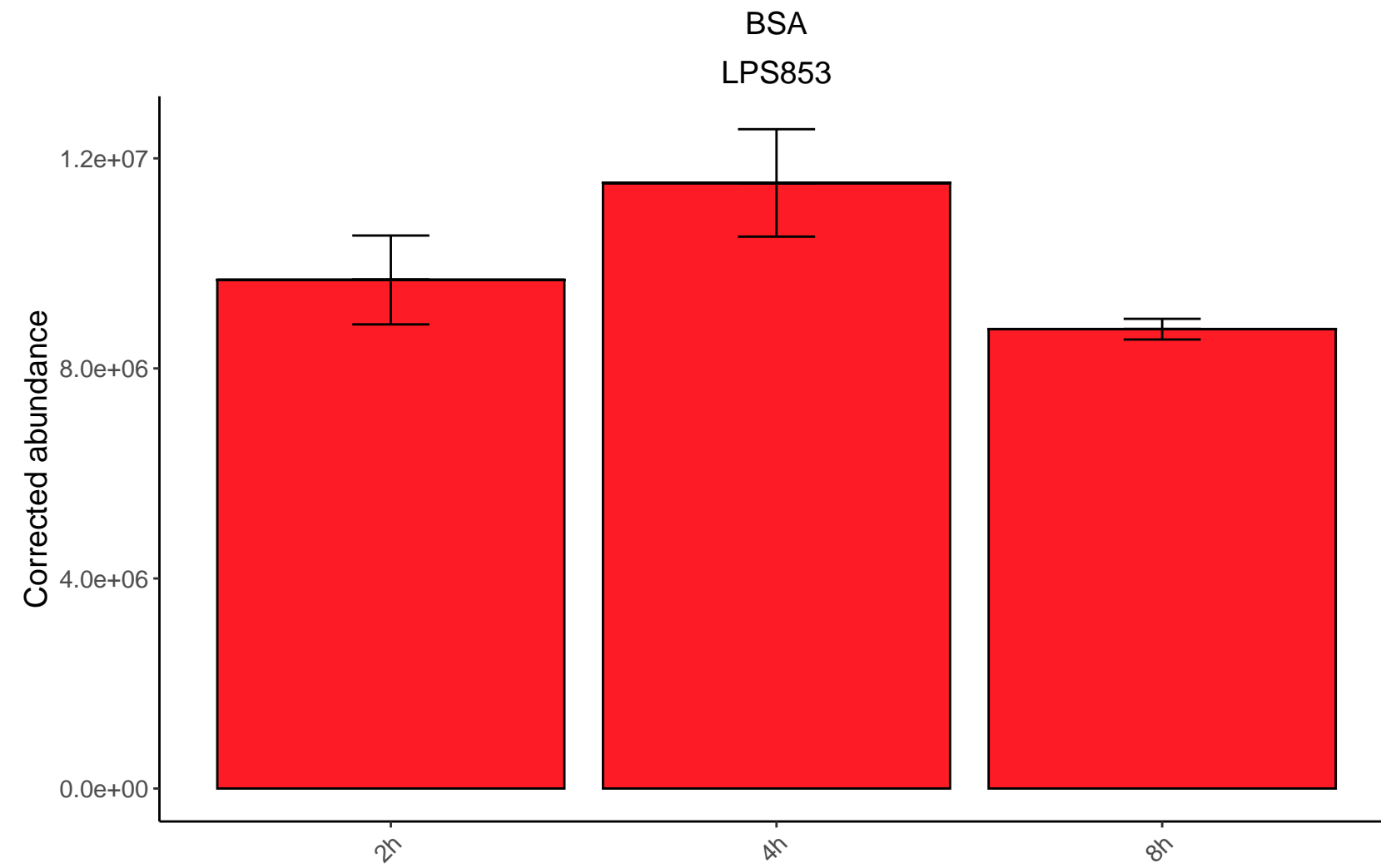
SA  
LPS853



# Valine



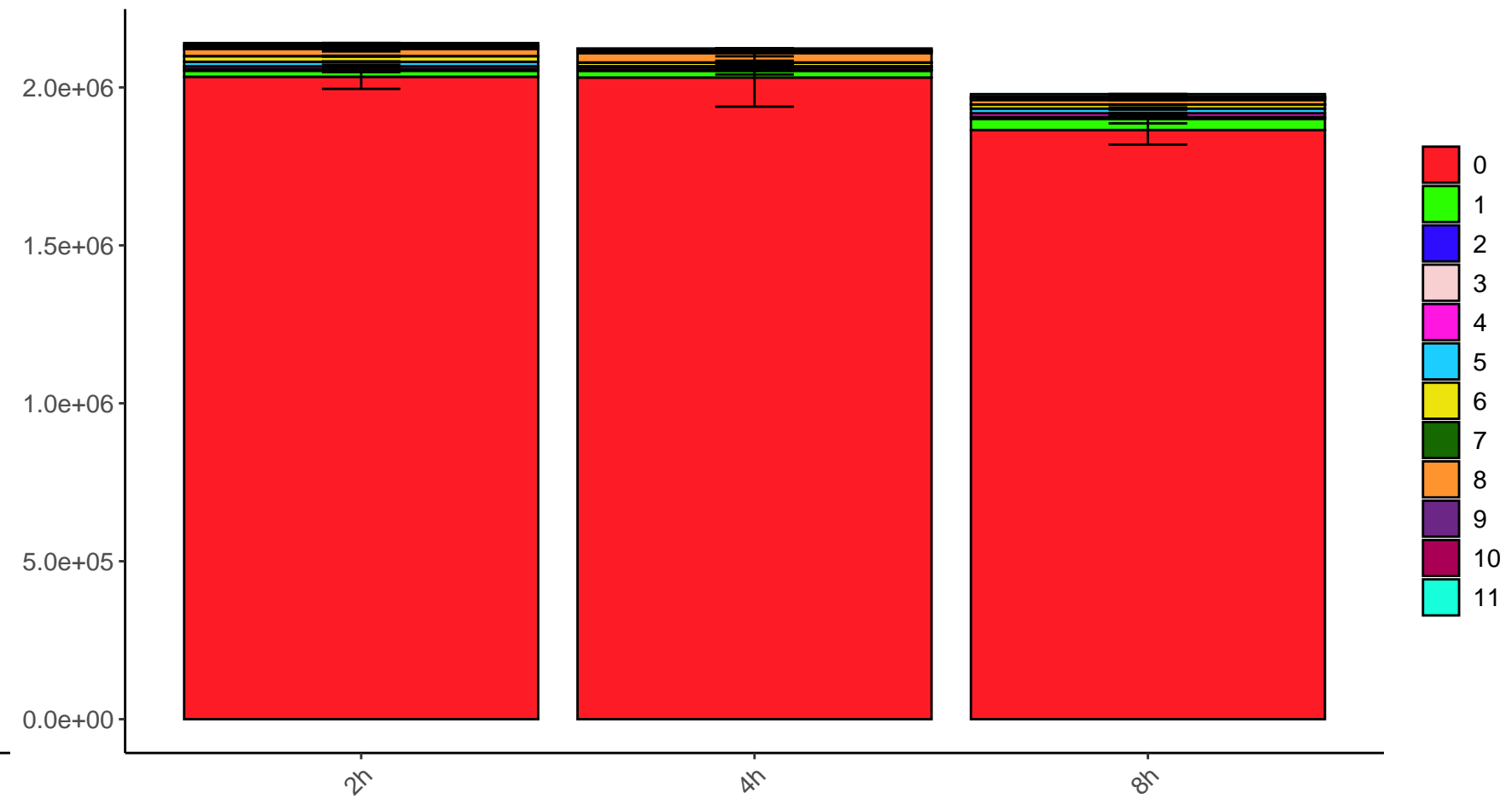
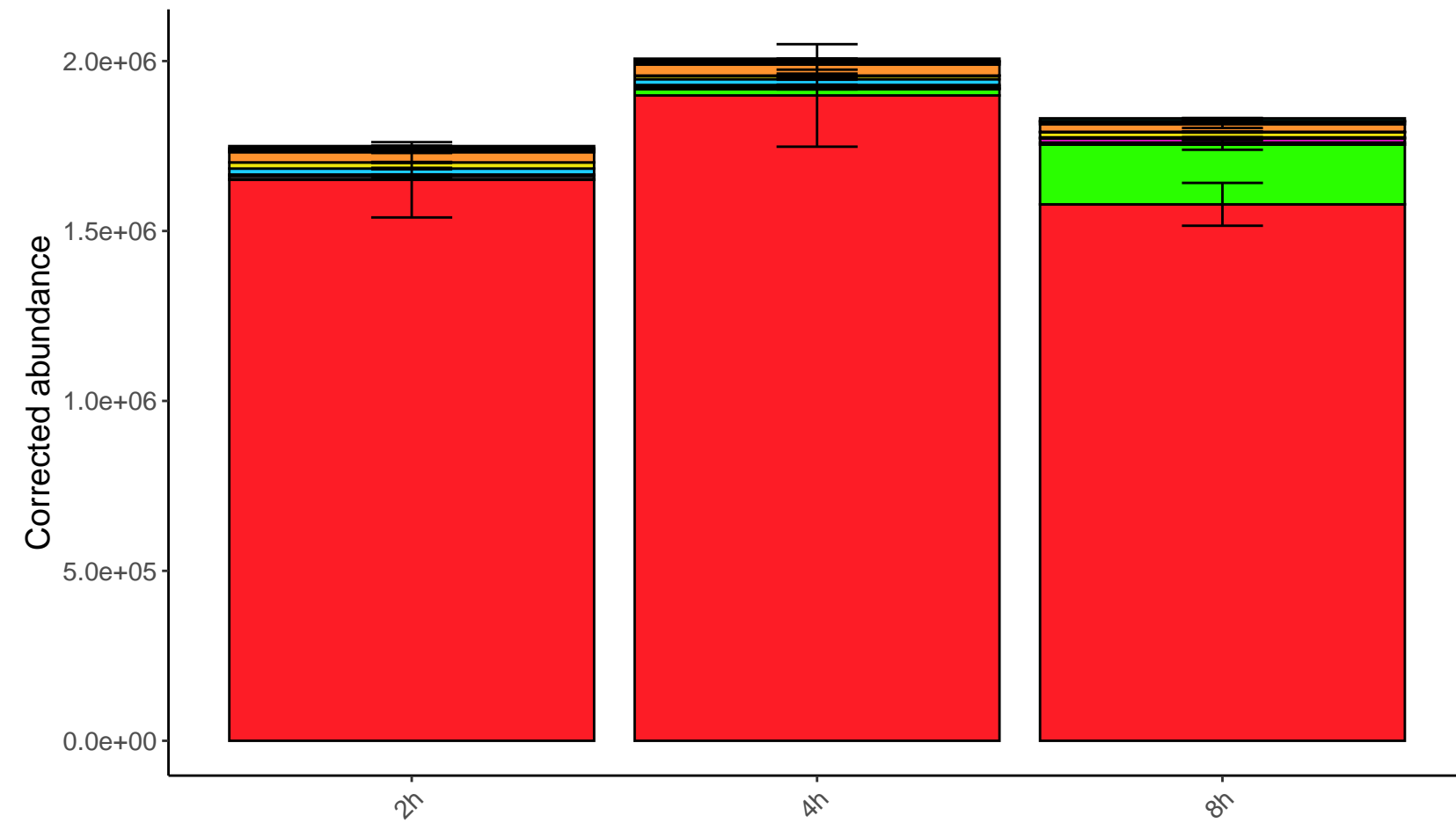
# Leucine



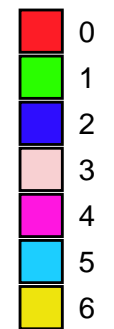
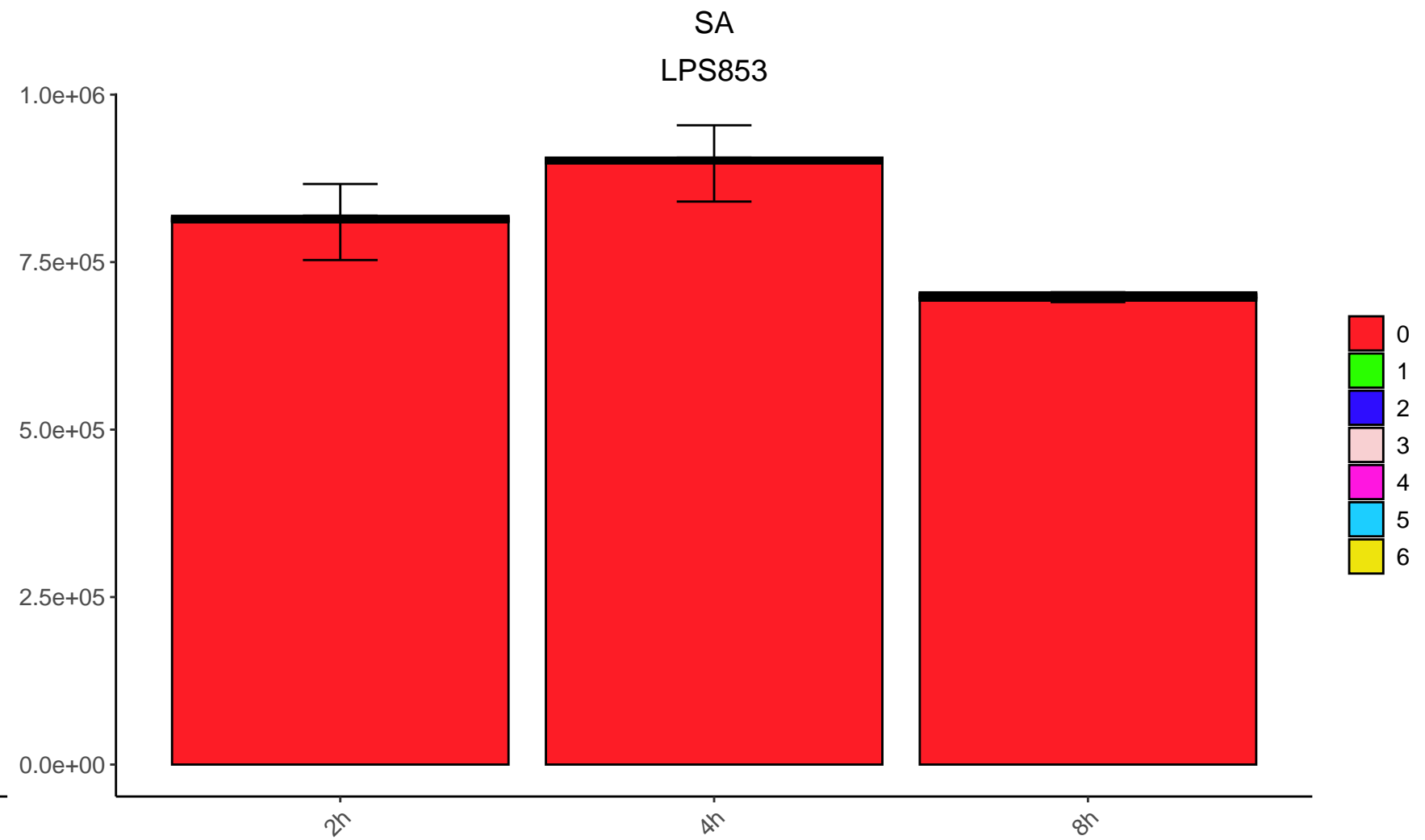
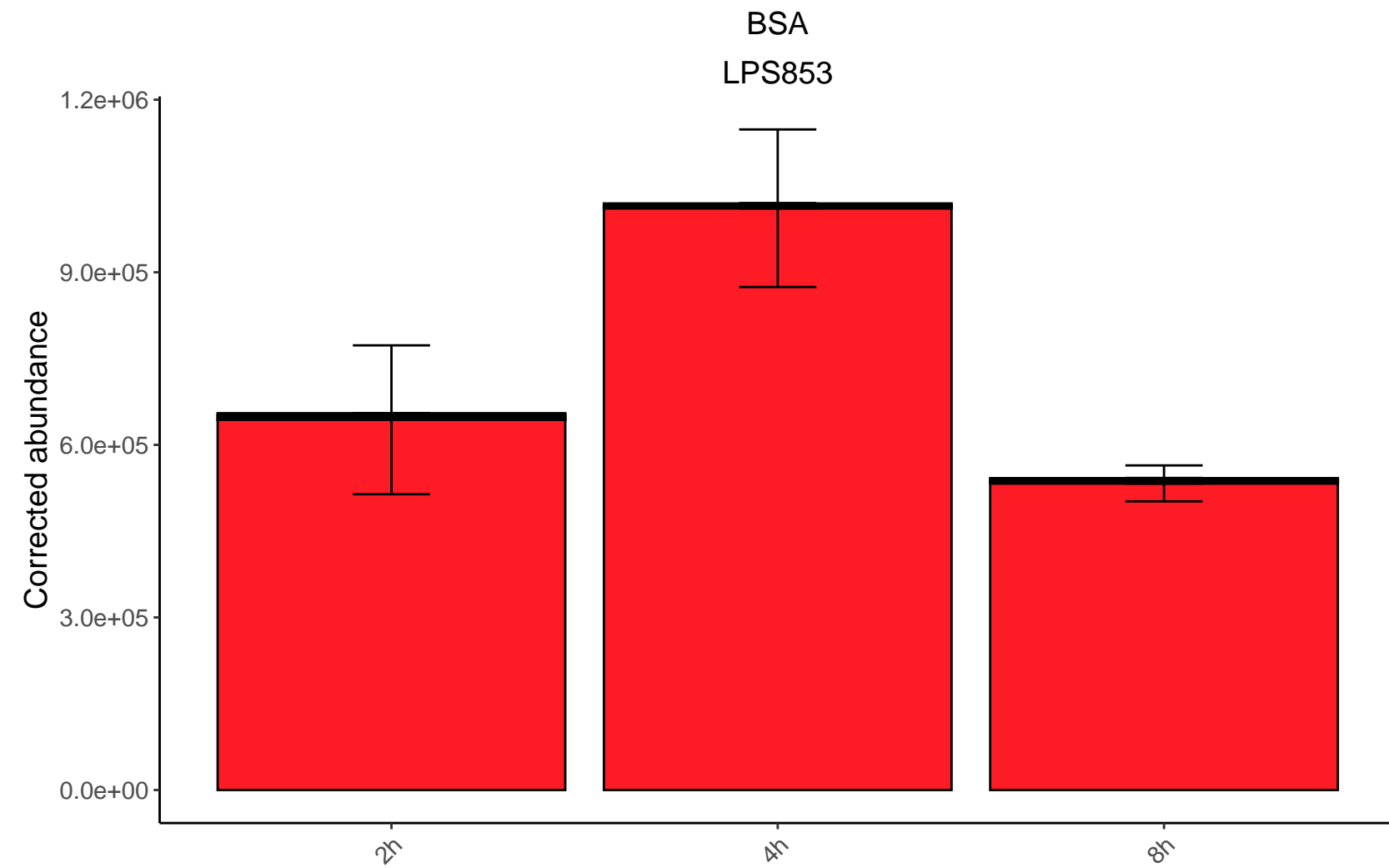
## Tryptophan

BSA  
LPS853

SA  
LPS853

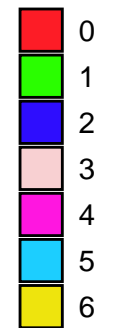
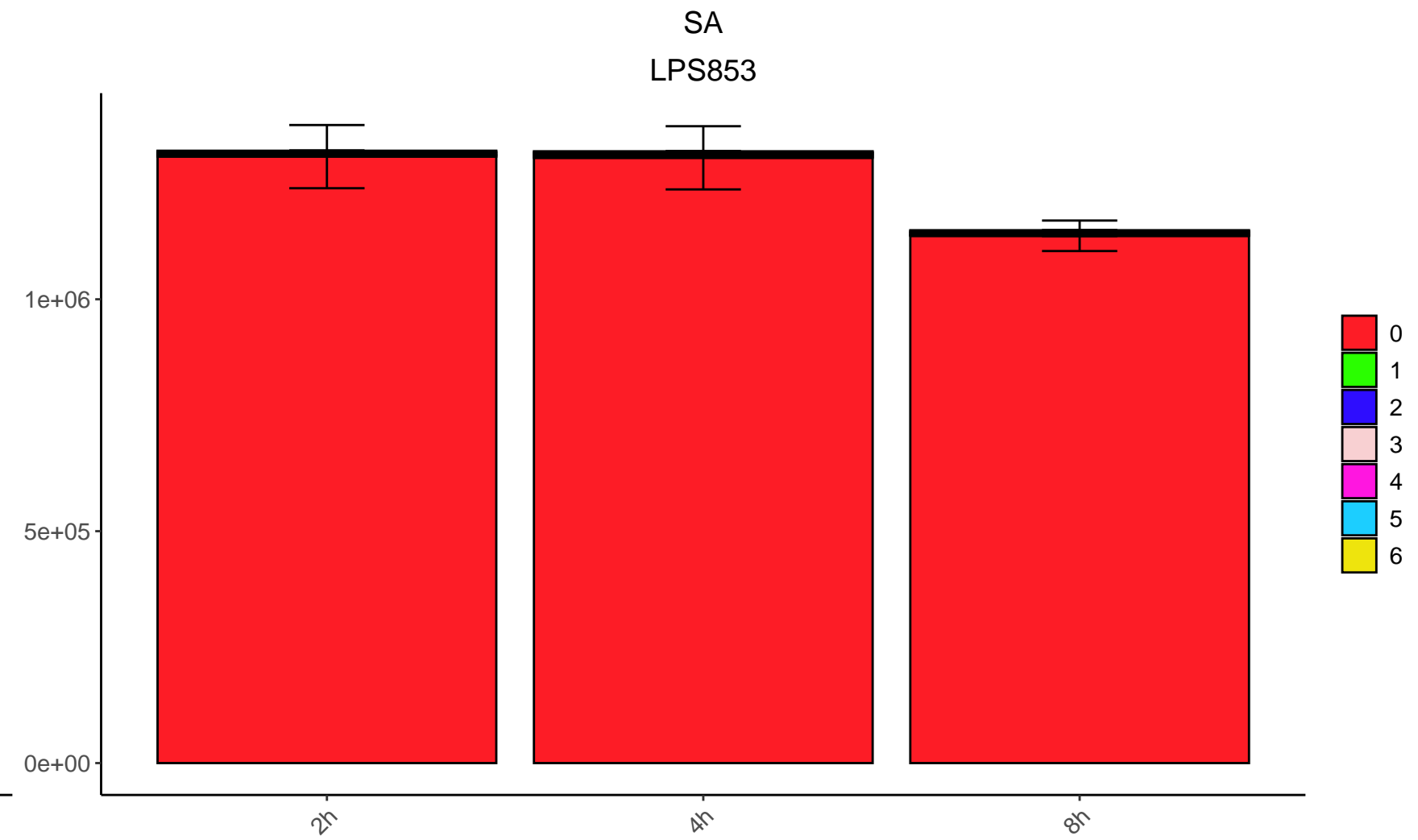
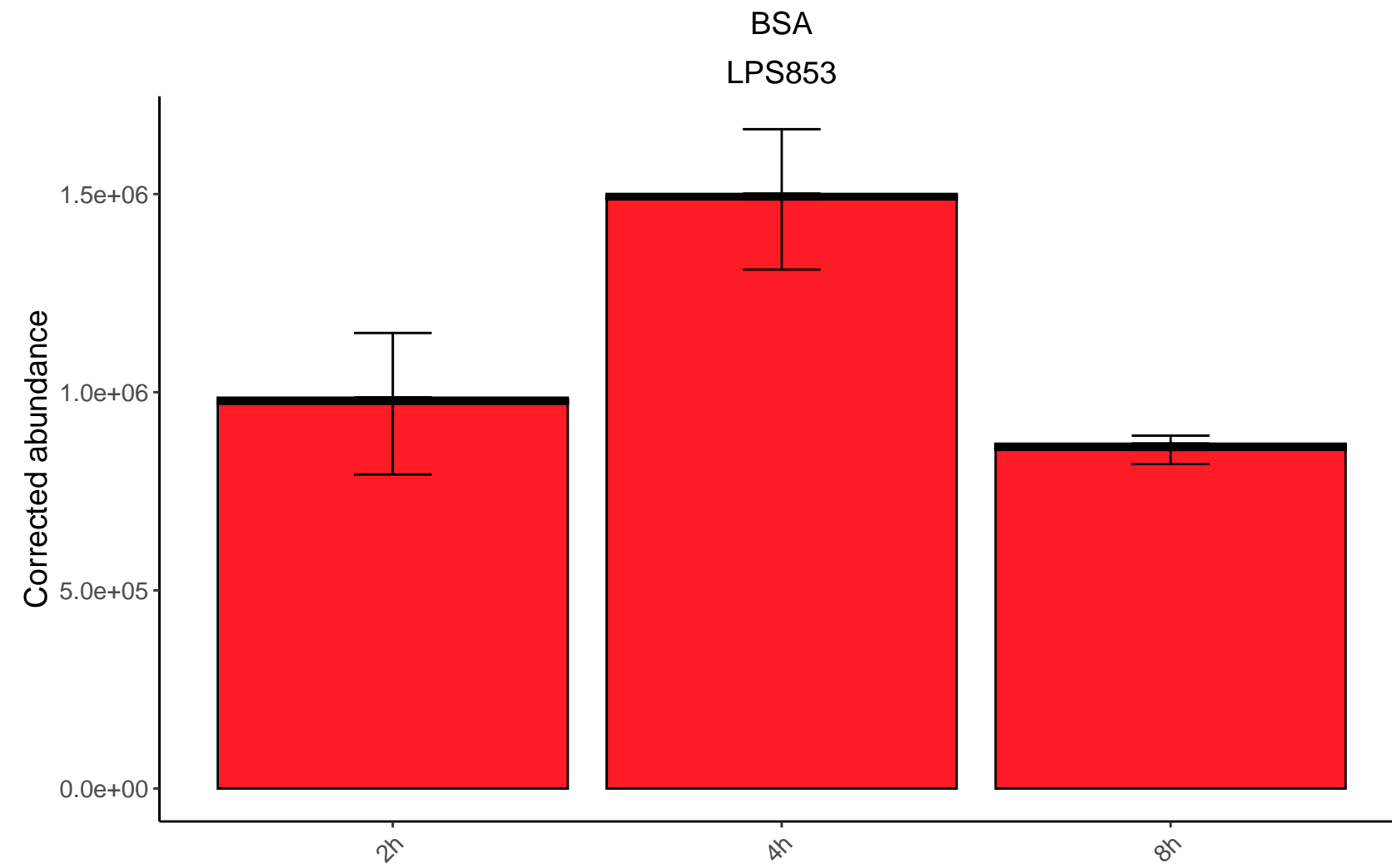


# Lysine

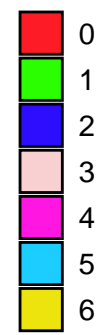
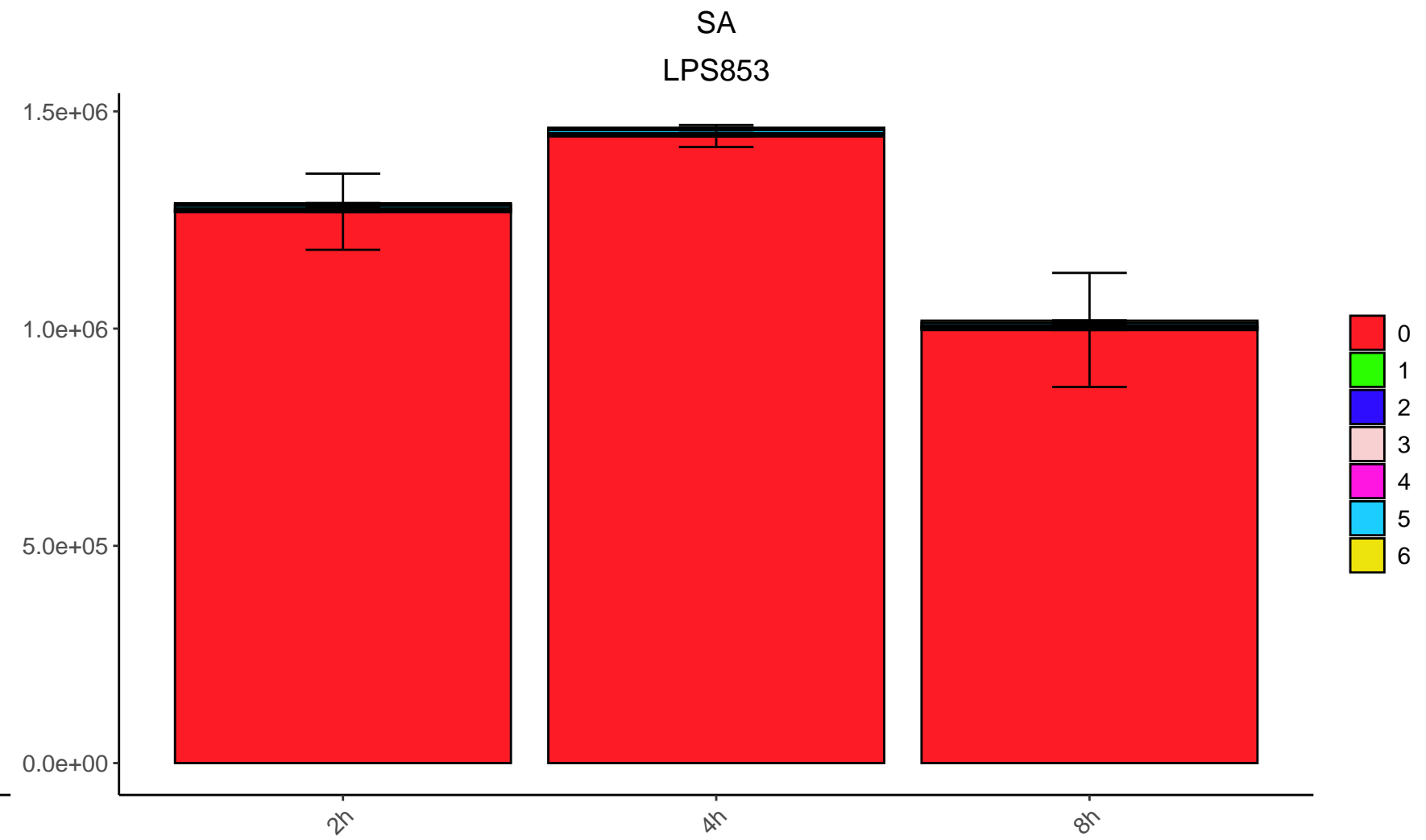
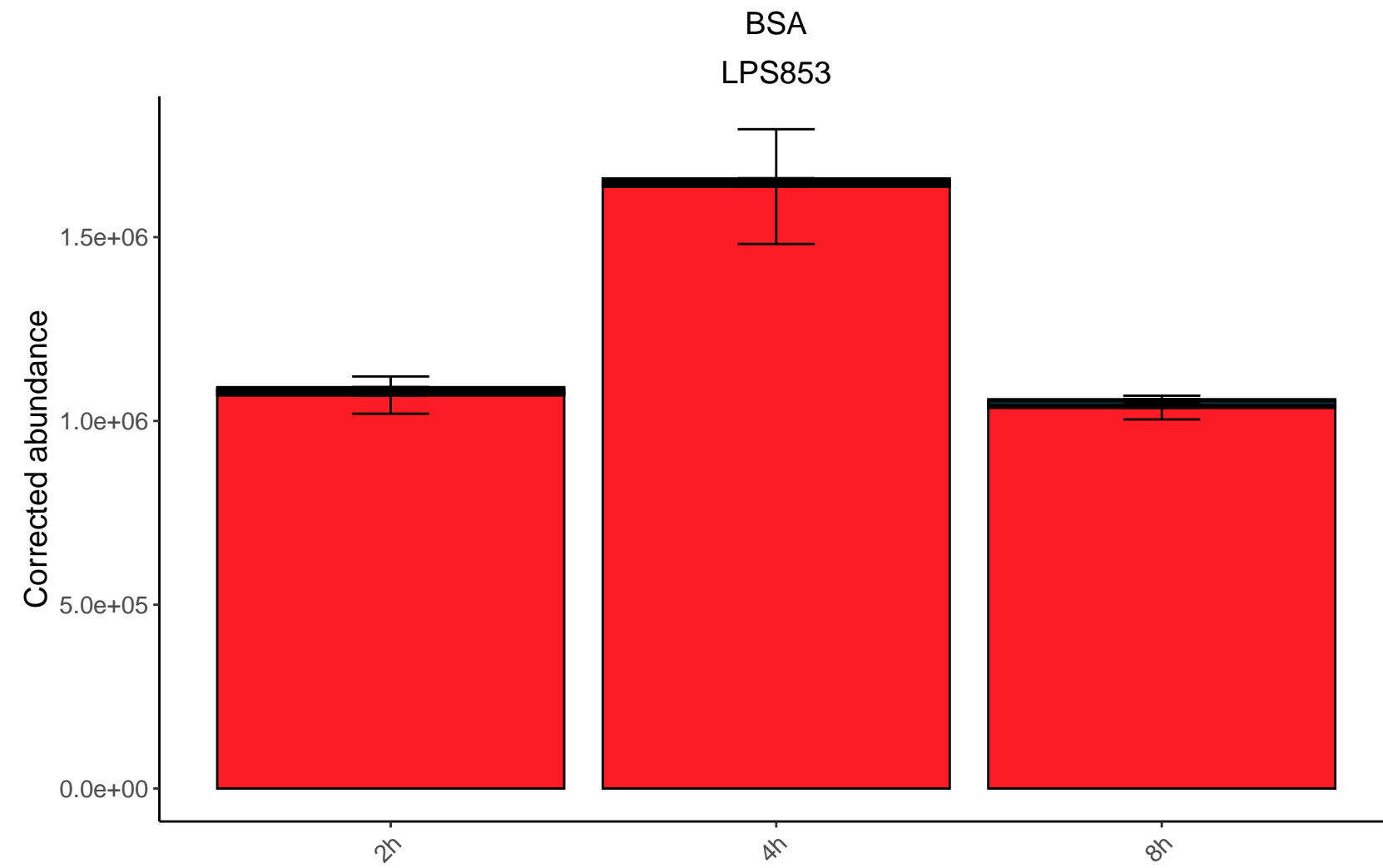




# Arginine

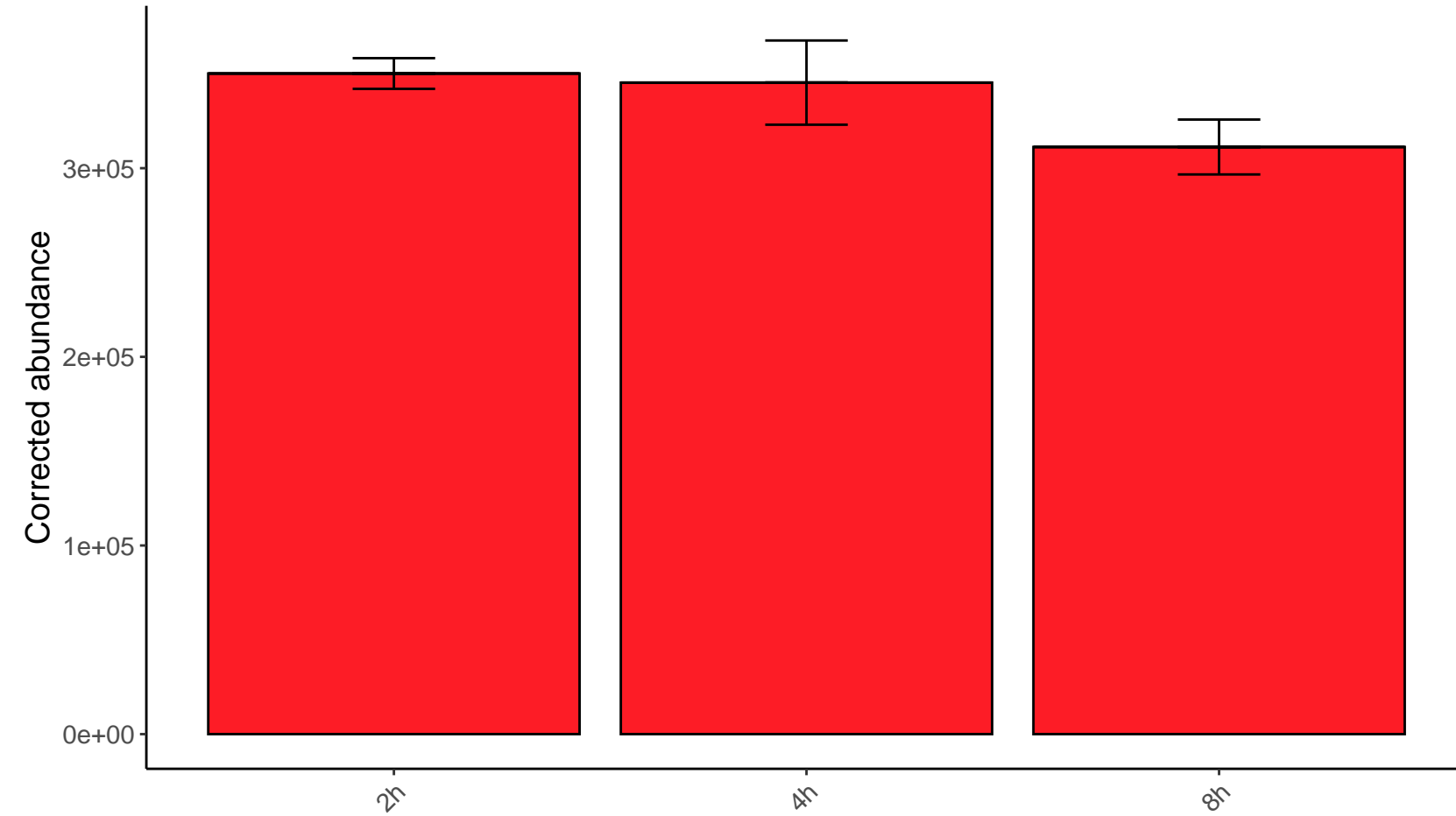


# Histidine

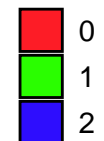
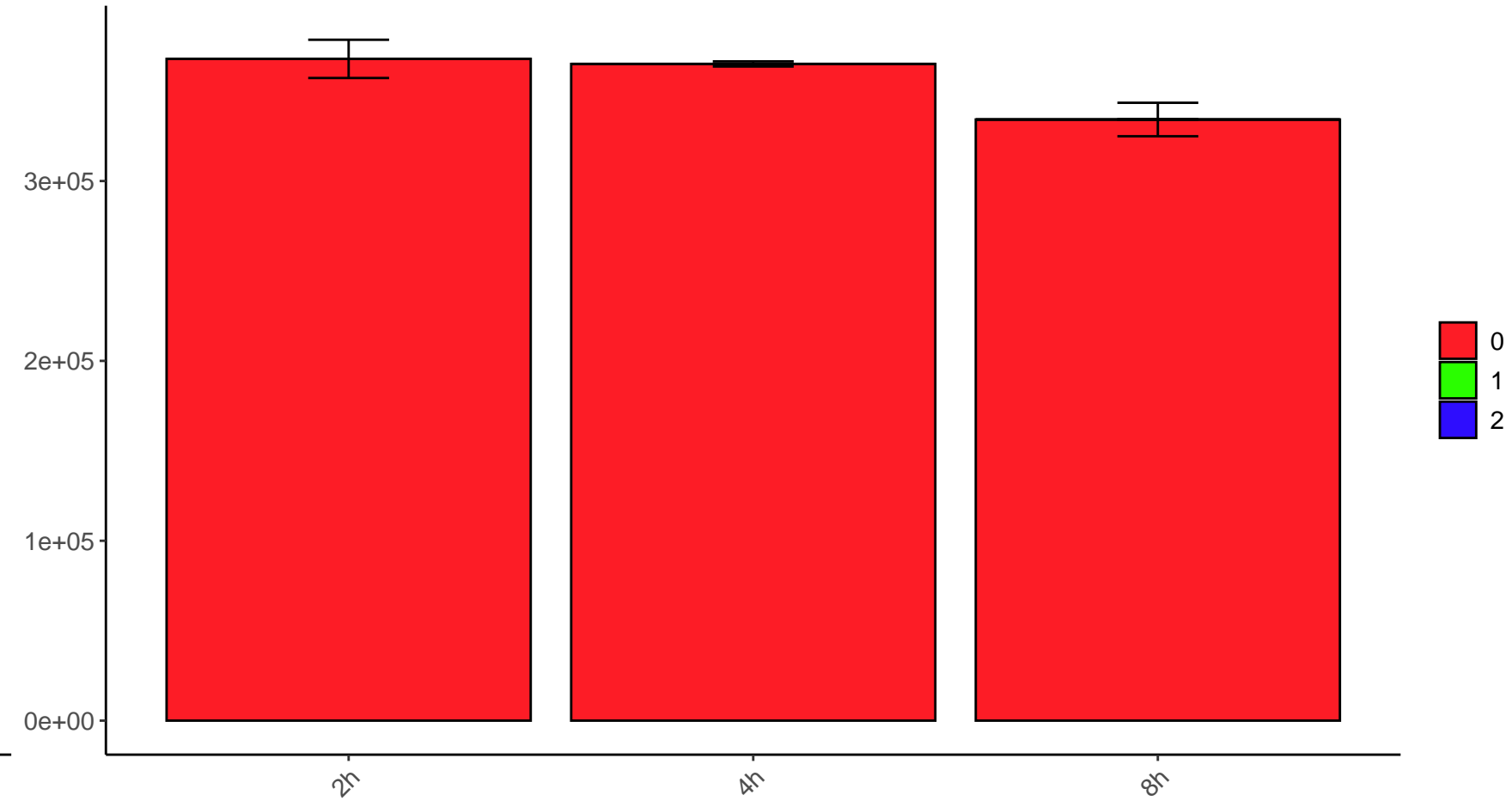


# Hypotaaurine

BSA  
LPS853

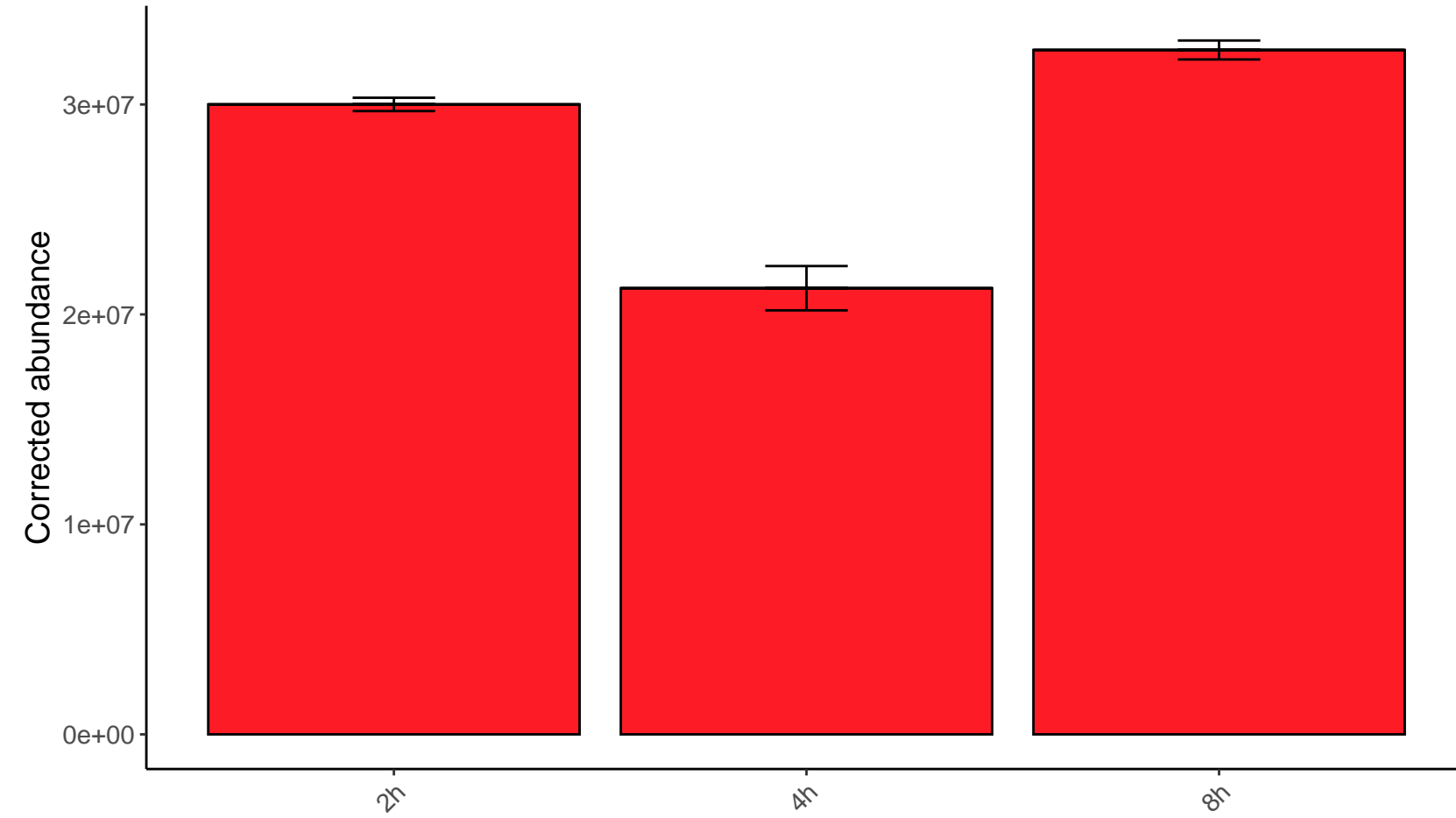


SA  
LPS853

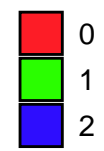
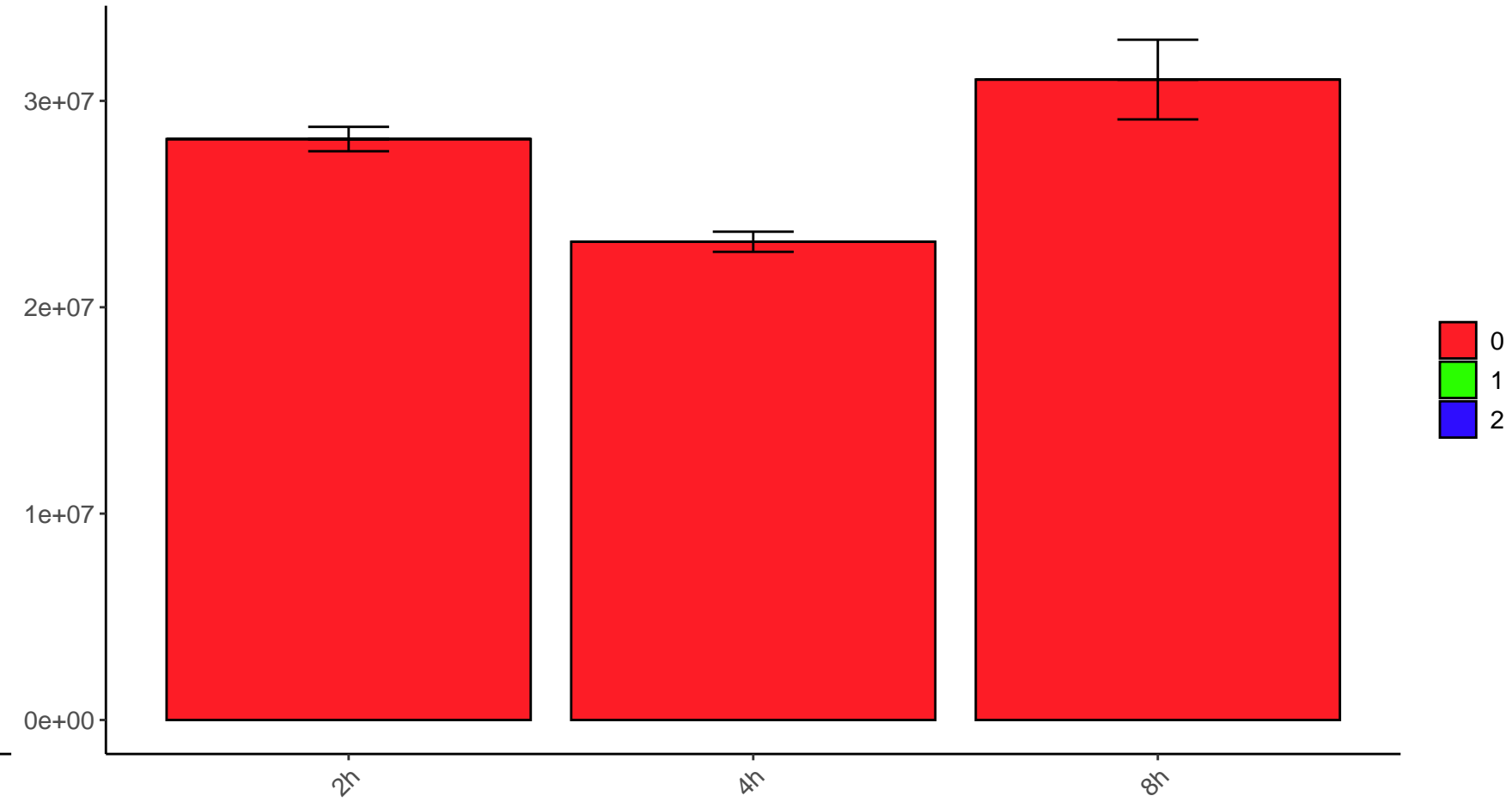


# Taurine

BSA  
LPS853



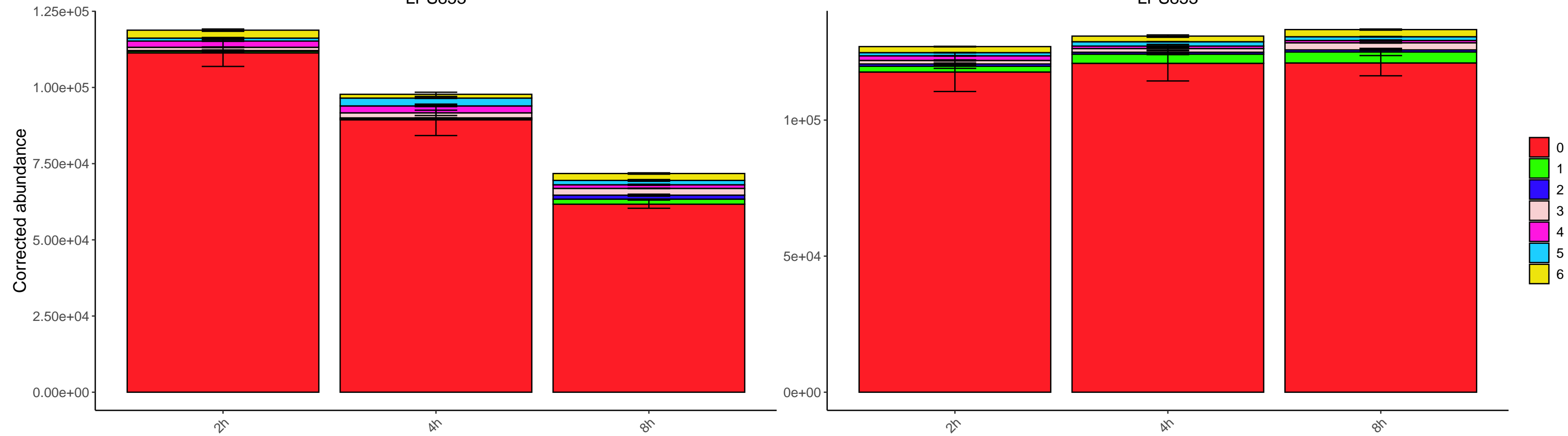
SA  
LPS853



# Aminoadipic acid

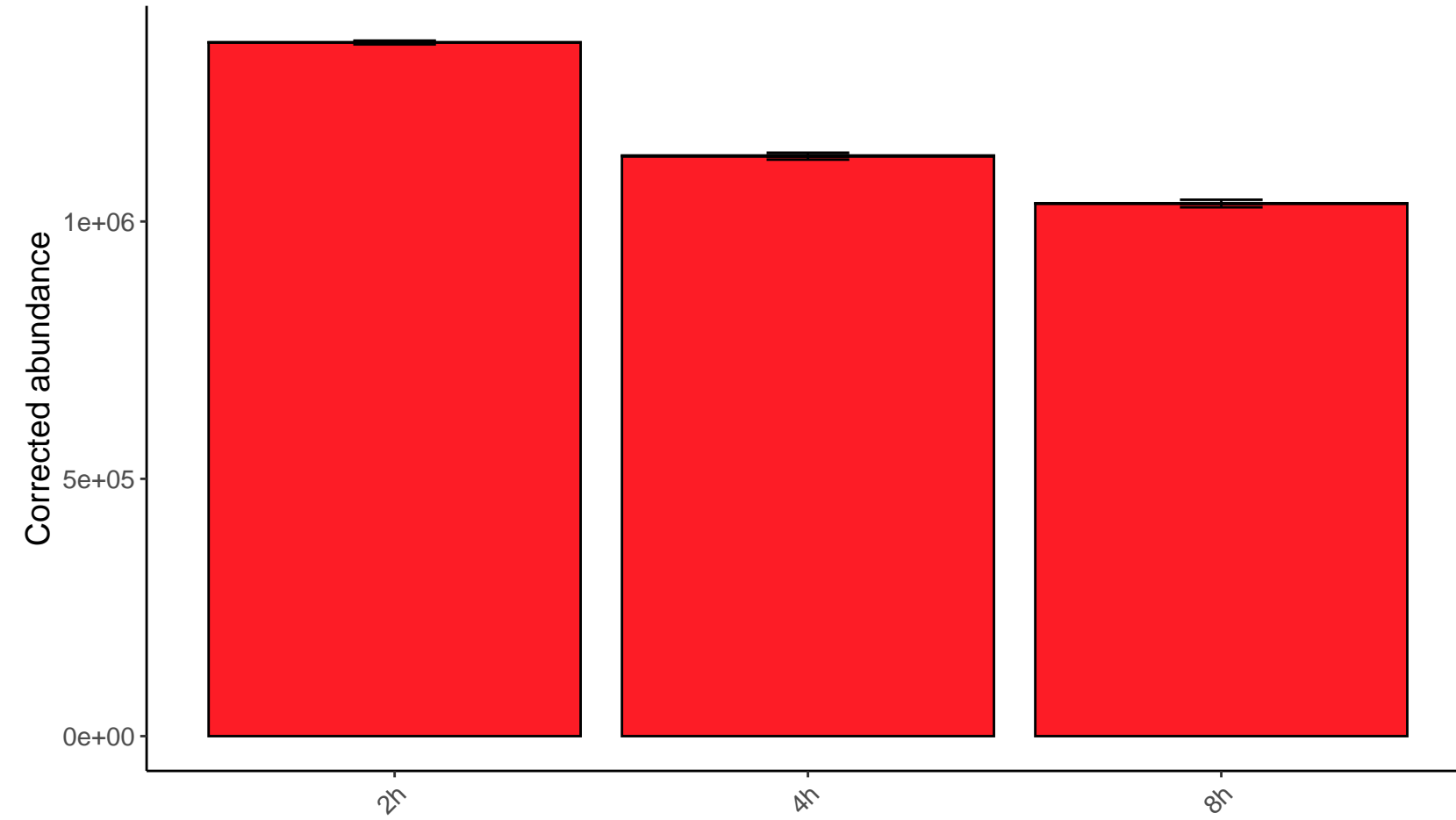
BSA  
LPS853

SA  
LPS853

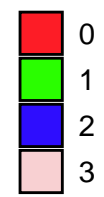
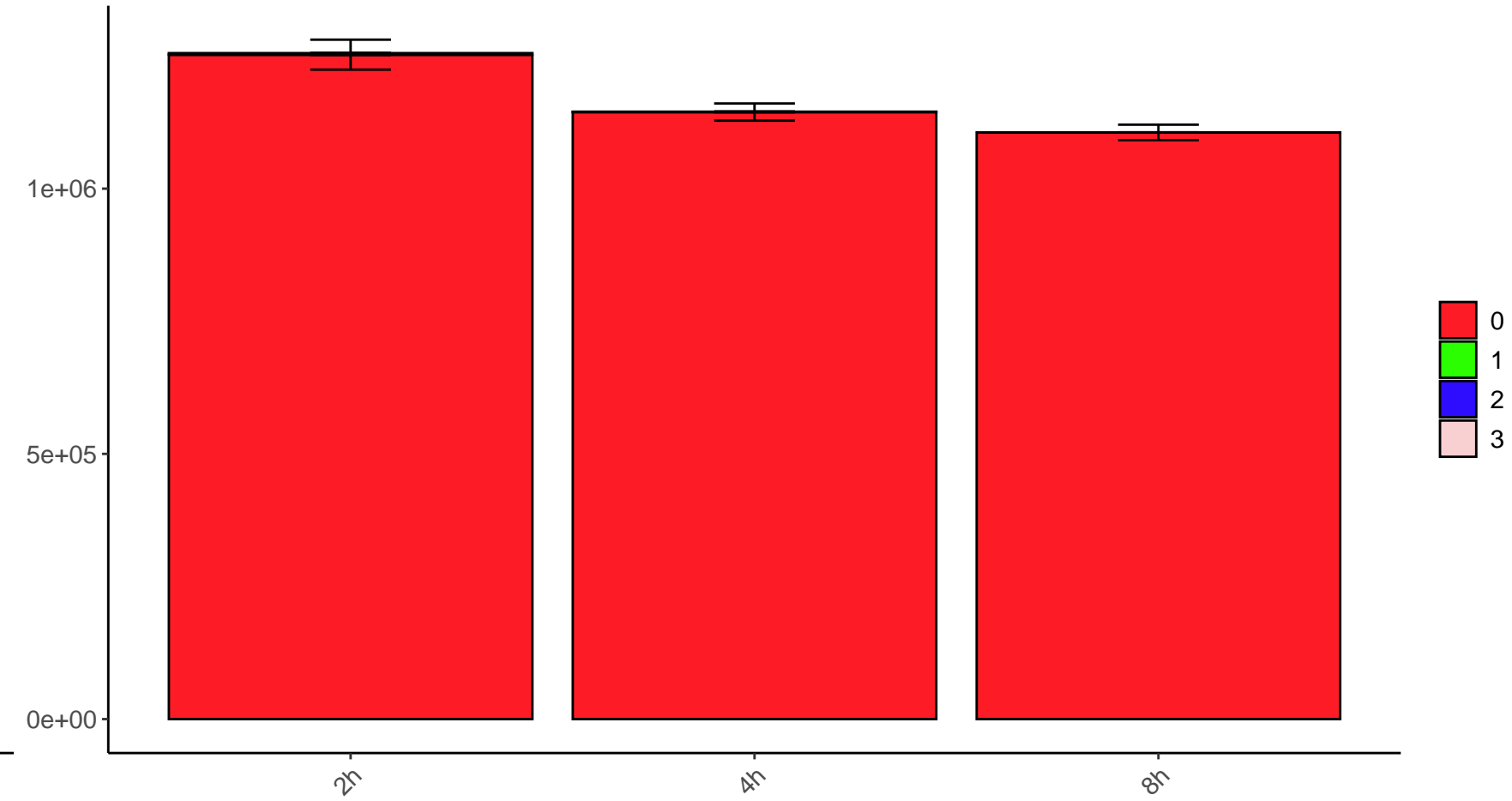


# Cysteine sulfinic acid

BSA  
LPS853



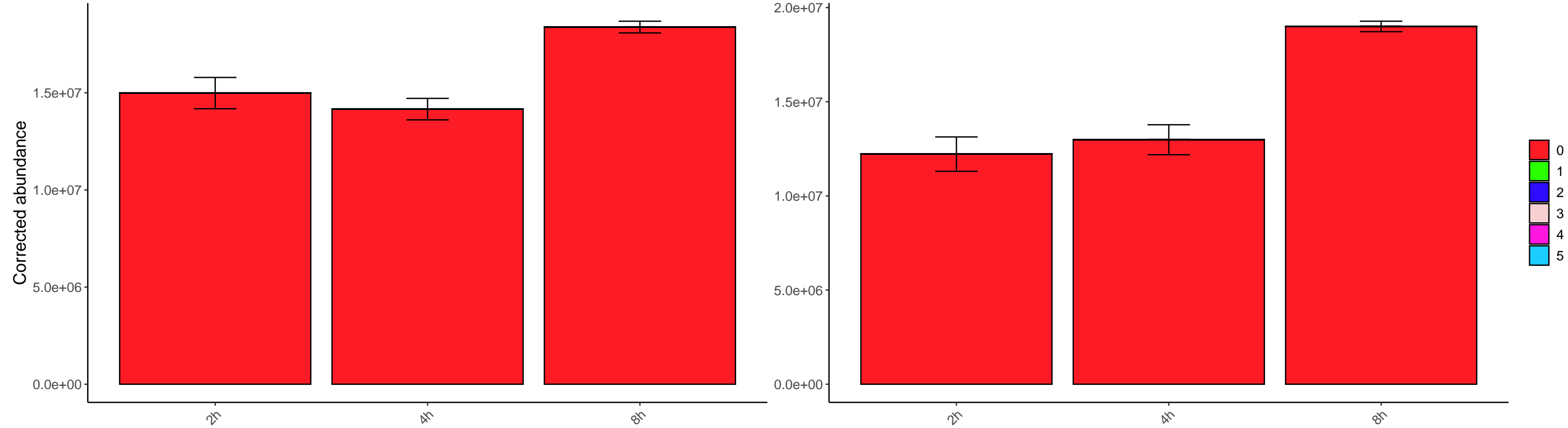
SA  
LPS853



# 5-Oxoproline

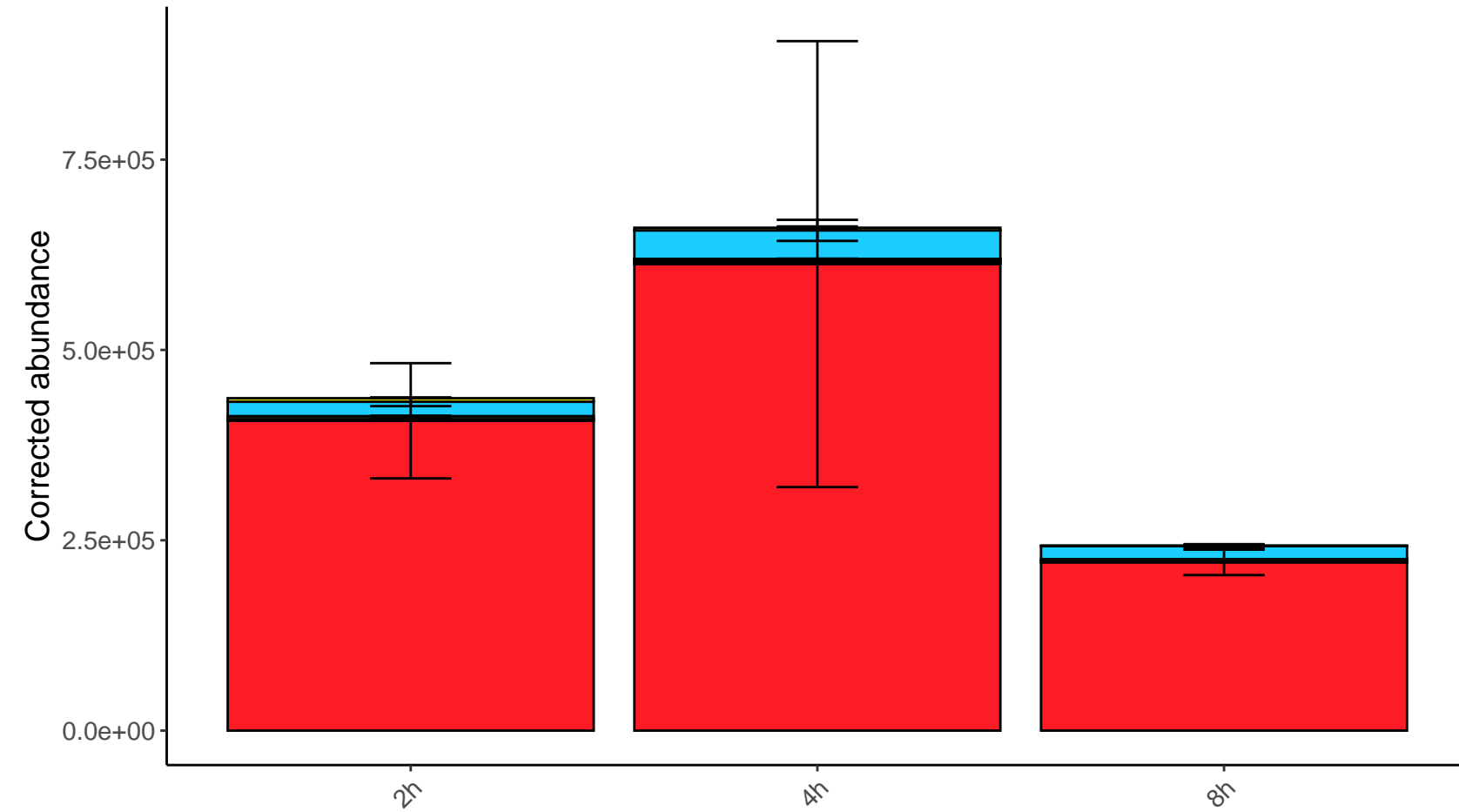
BSA  
LPS853

SA  
LPS853

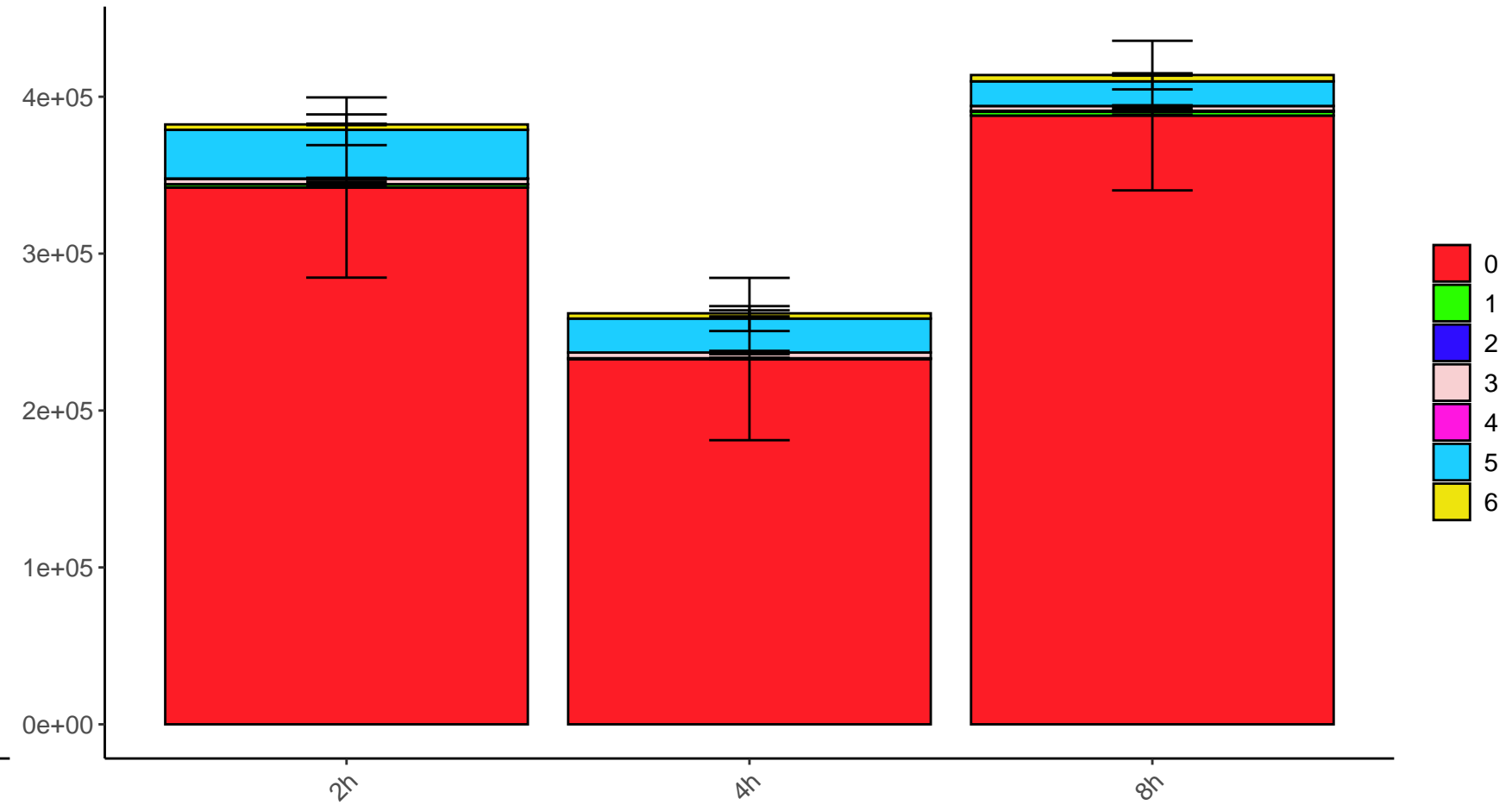


# Urocanic acid

BSA  
LPS853



SA  
LPS853

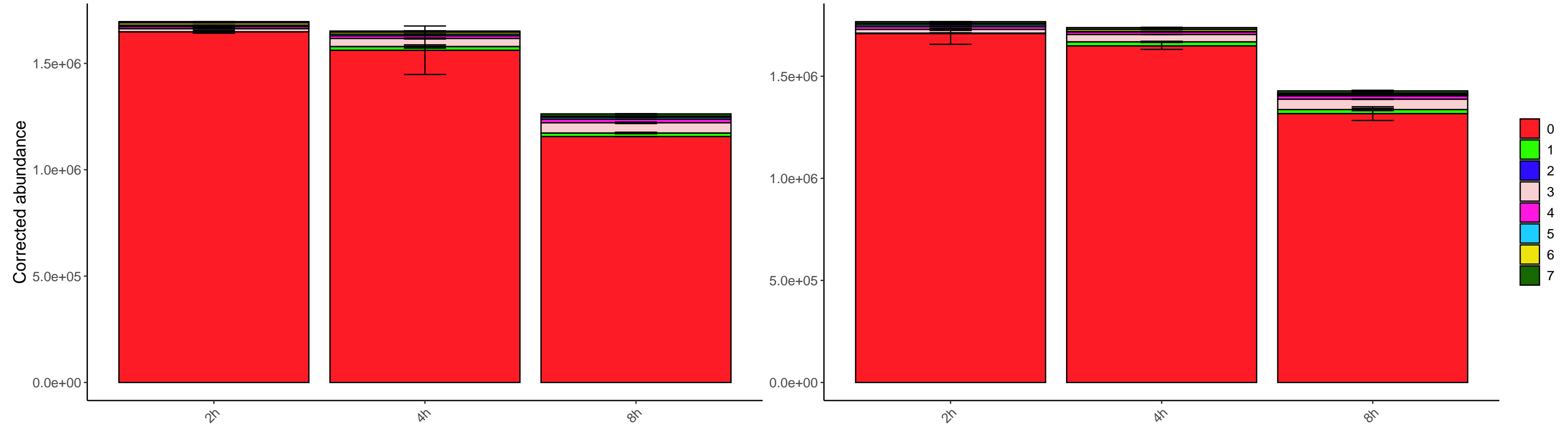




## Cystathionine

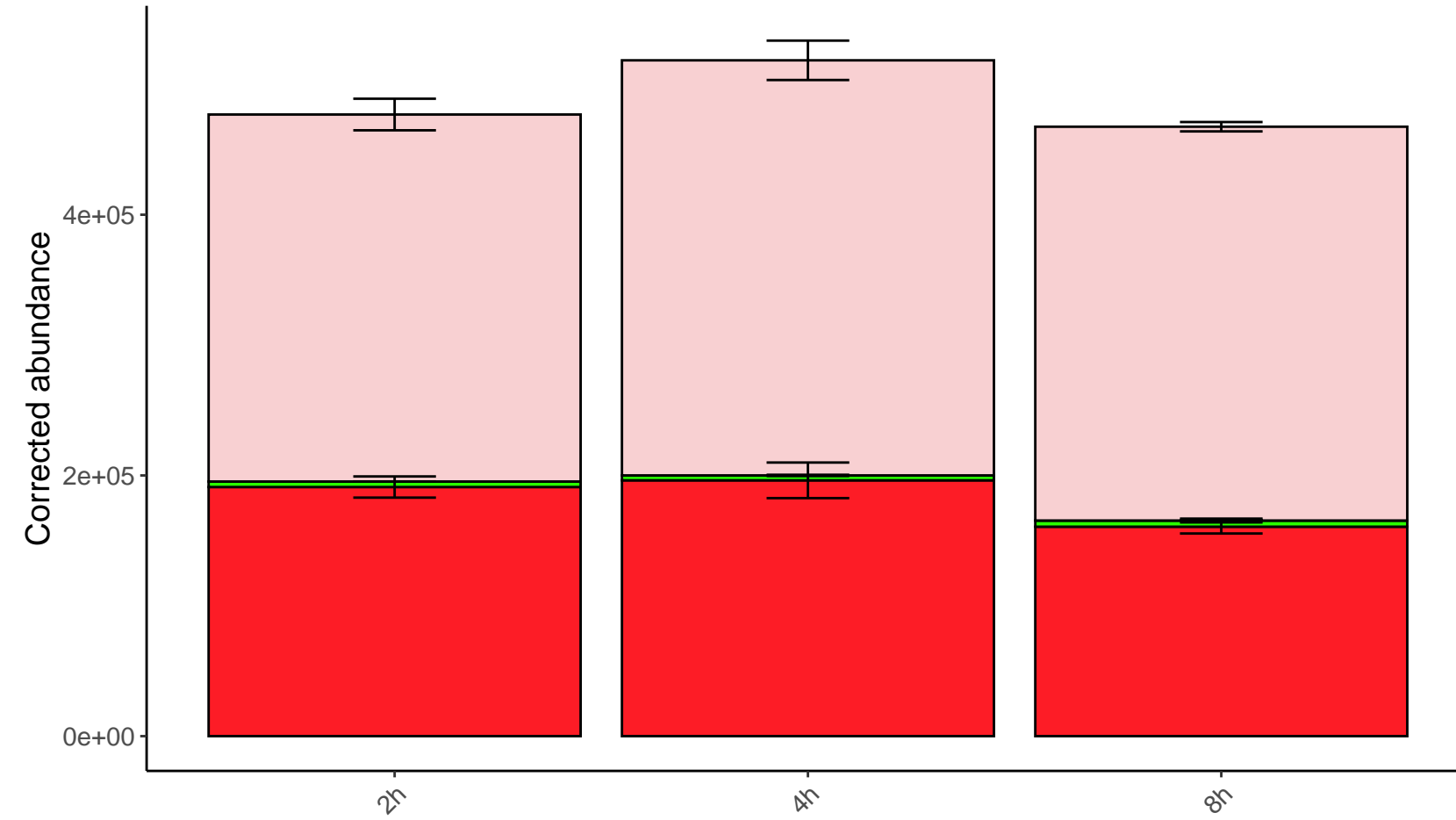
BSA  
LPS853

SA  
LPS853

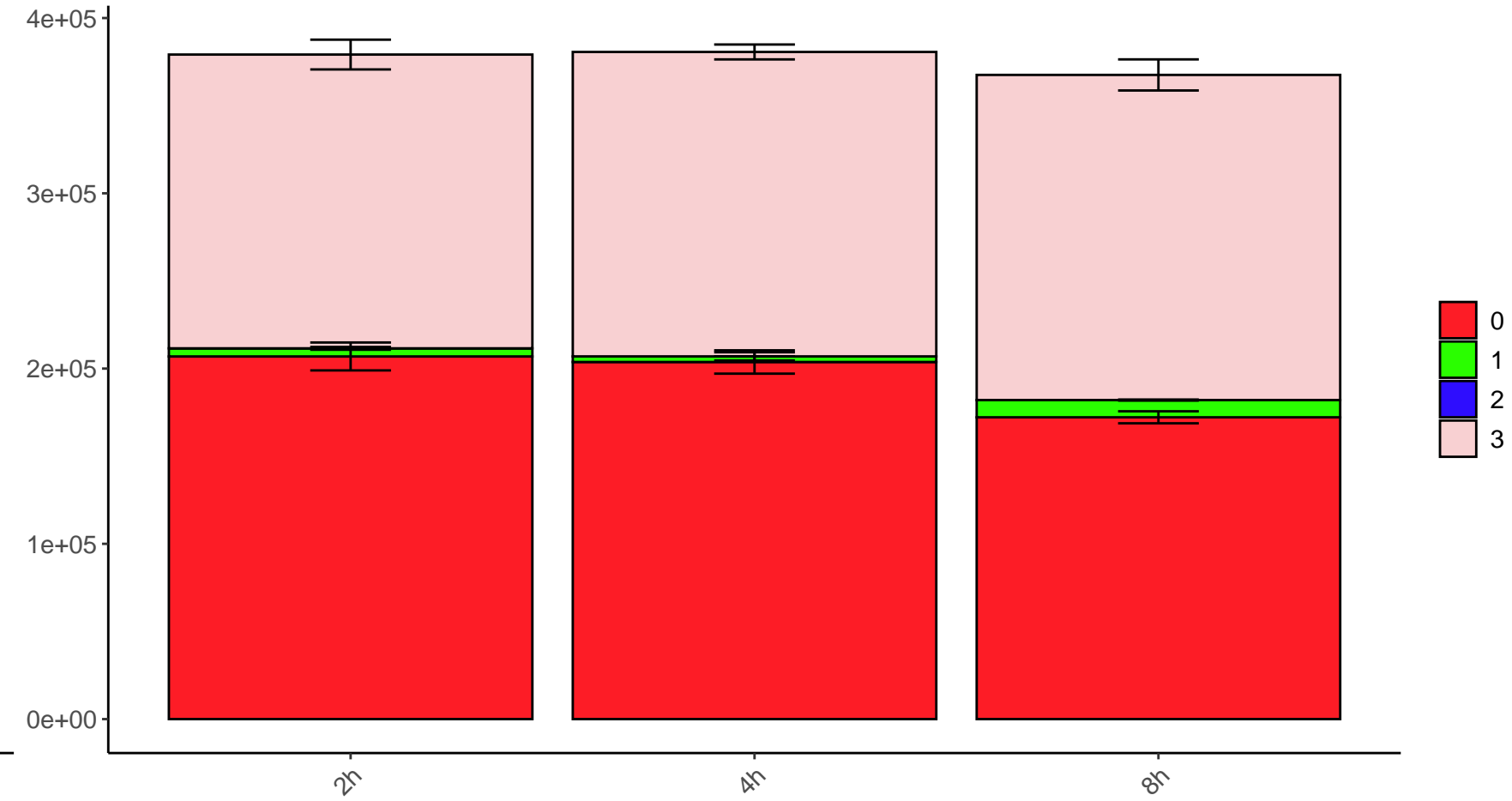


# Cysteic acid

BSA  
LPS853

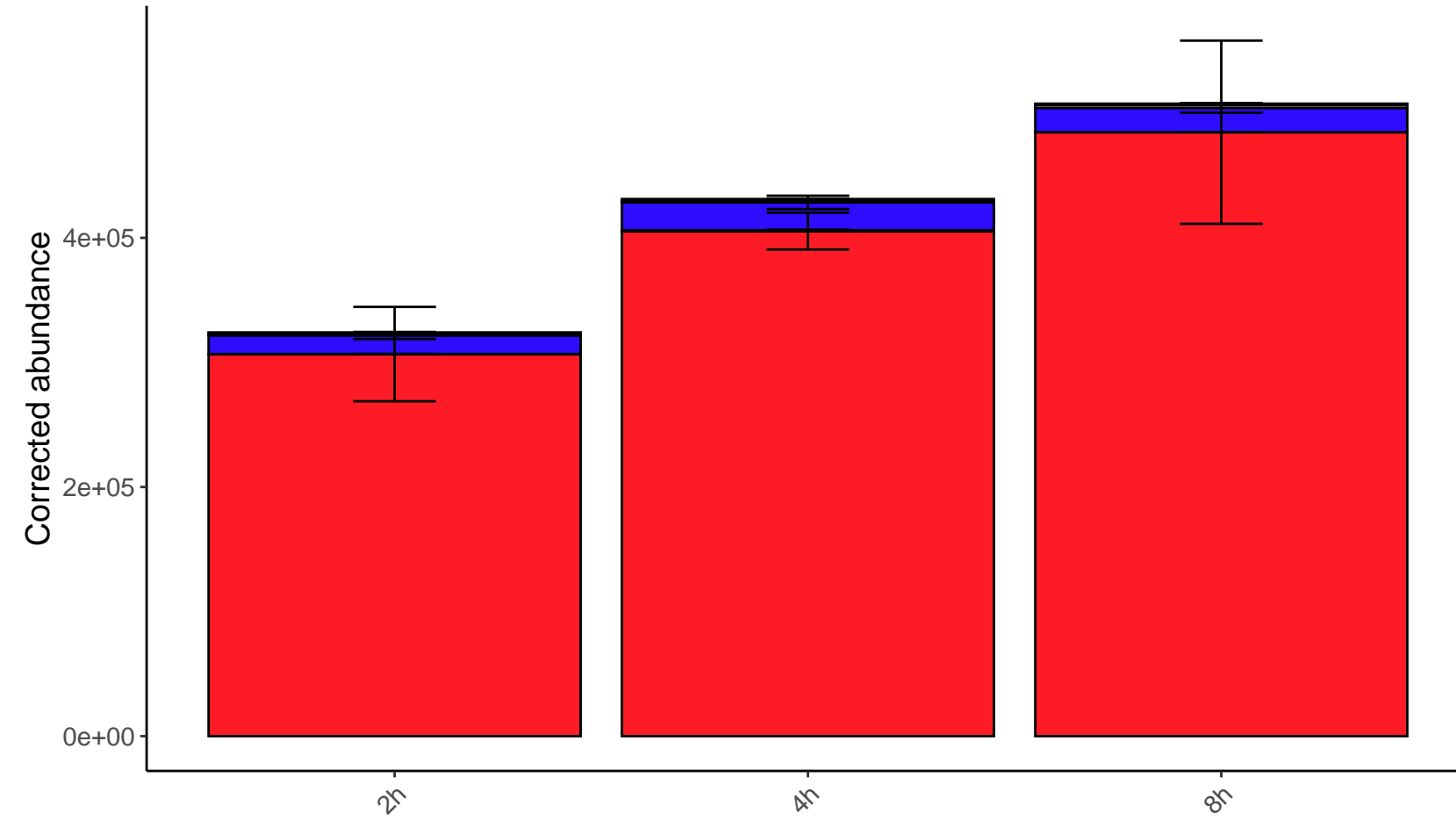


SA  
LPS853

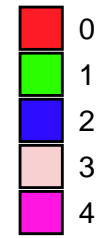
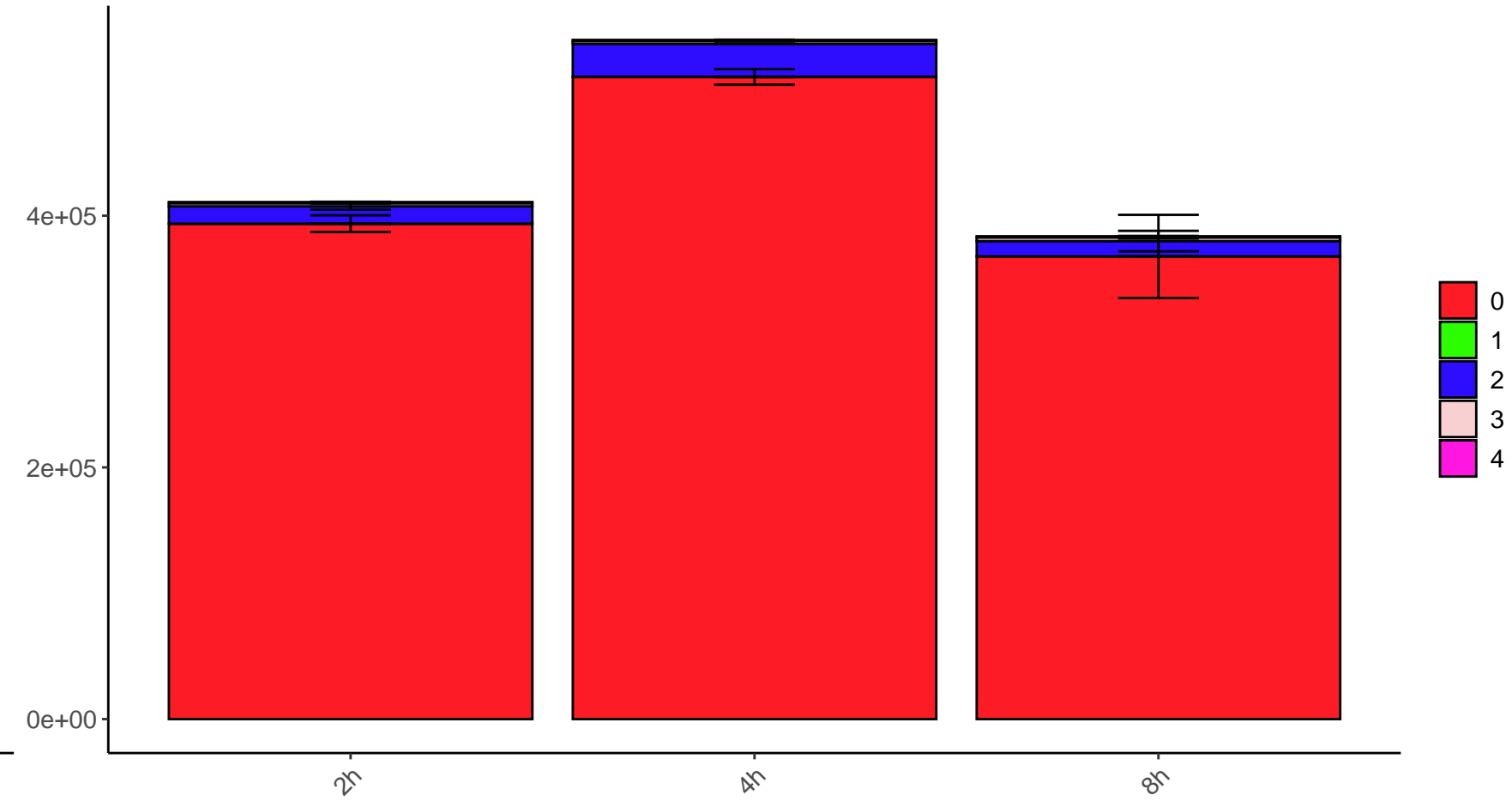


# 3-Hydroxyisobutyric acid

BSA  
LPS853



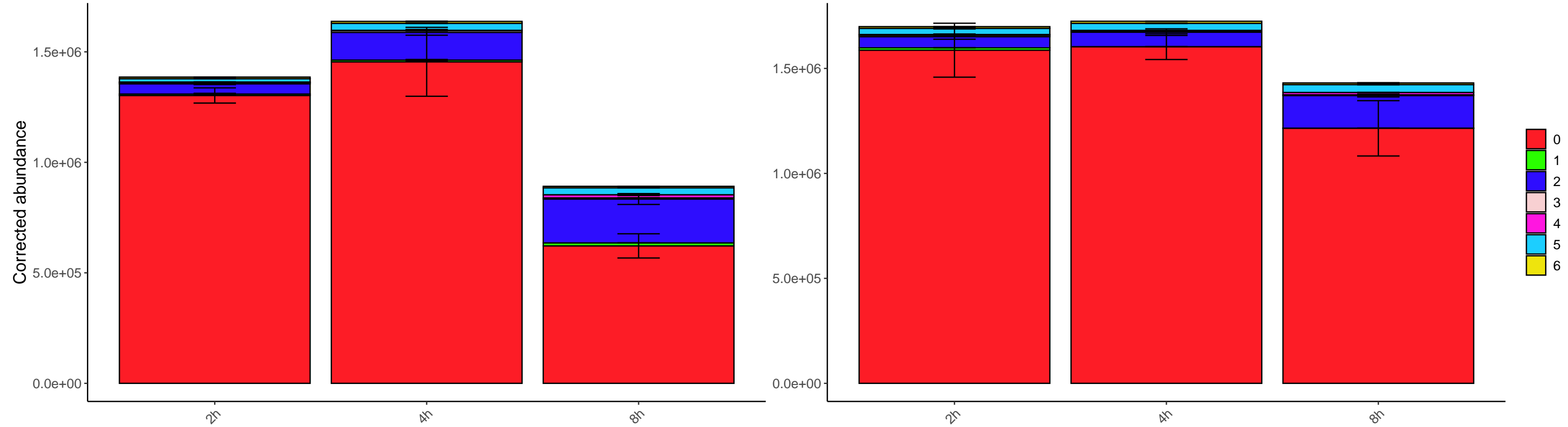
SA  
LPS853



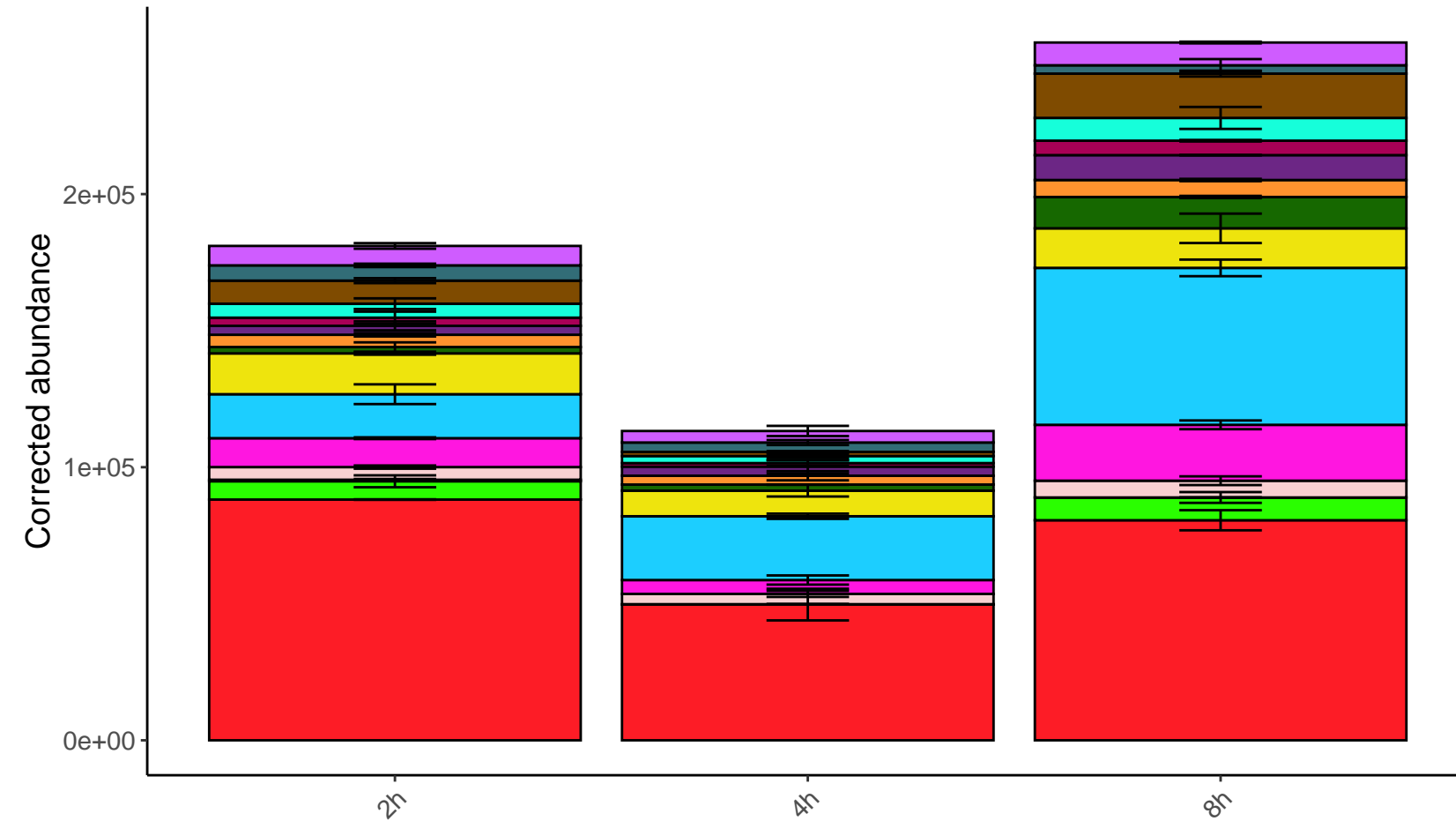
# N-Acetylasparagine

BSA  
LPS853

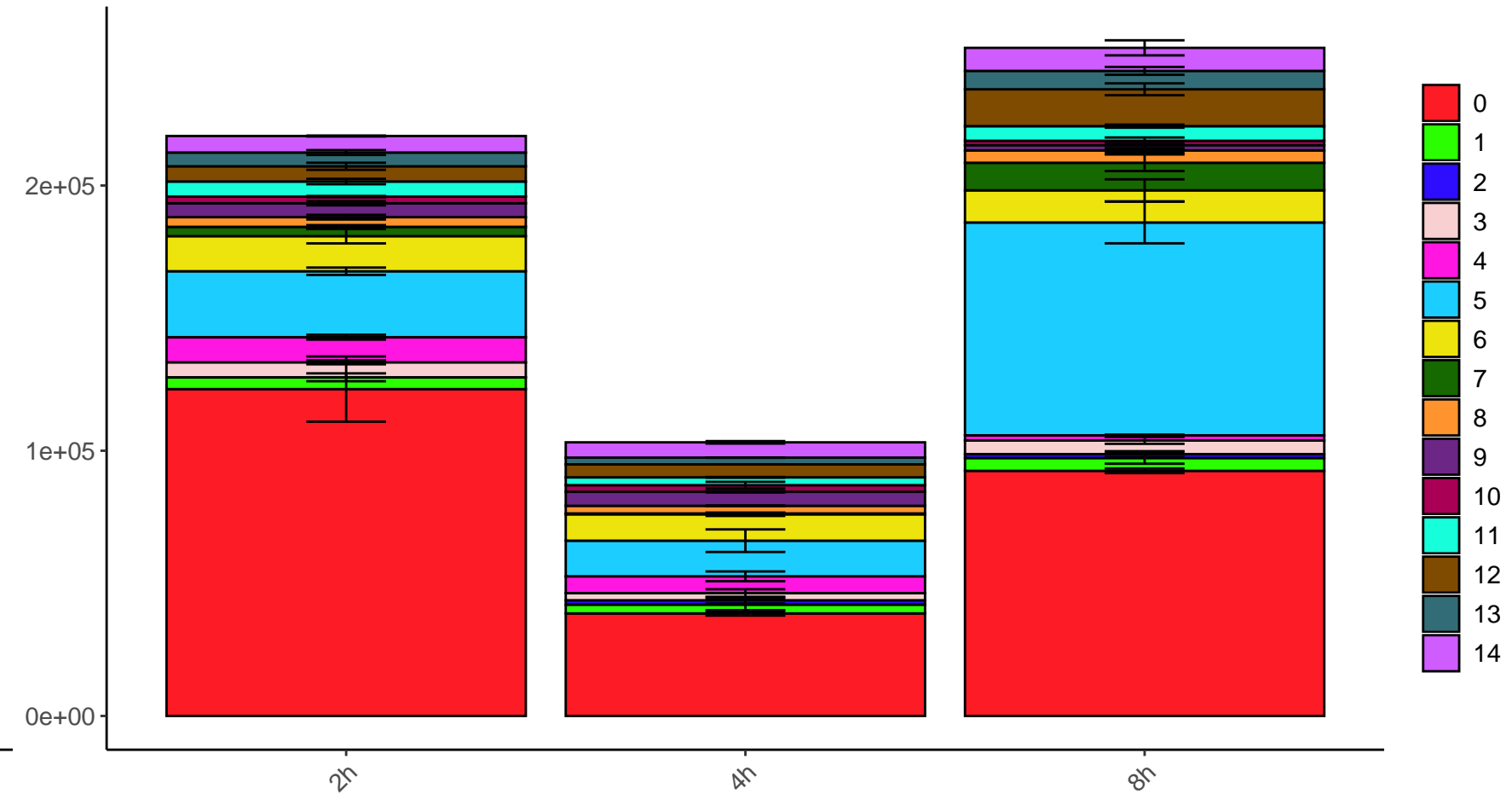
SA  
LPS853



## S-Adenosylhomocysteine

BSA  
LPS853

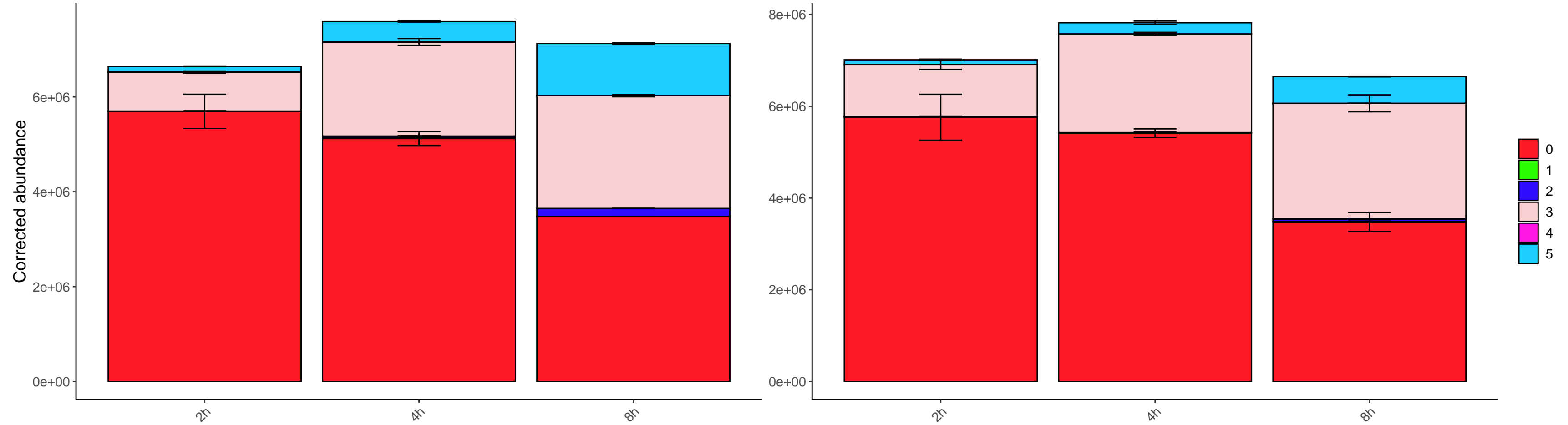
SA  
LPS853



# N-Acetylalanine

BSA  
LPS853

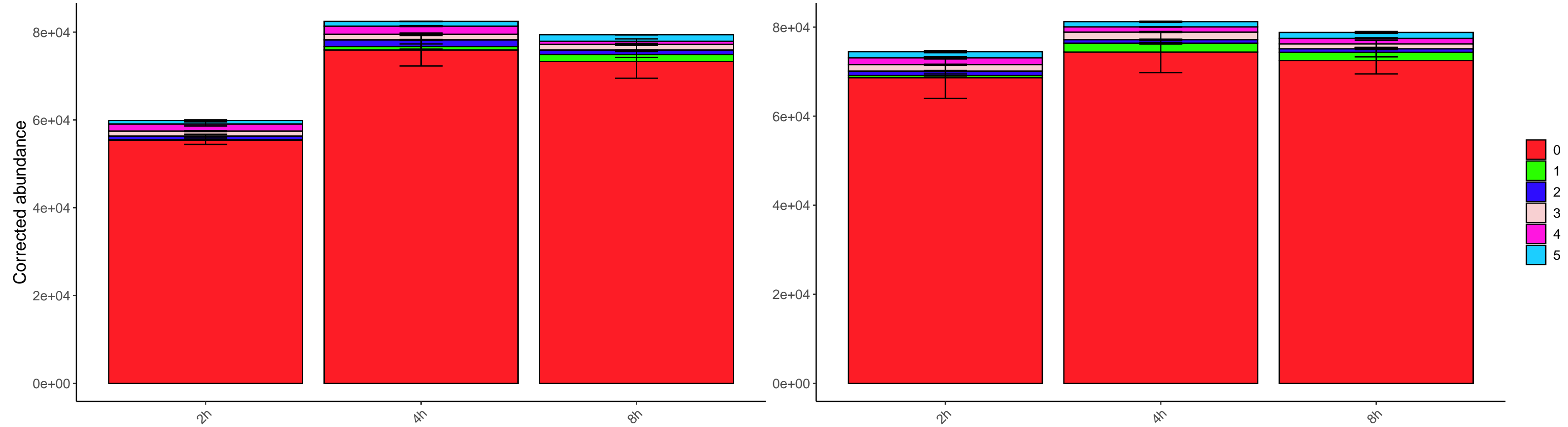
SA  
LPS853



# 5-Aminovaleric acid

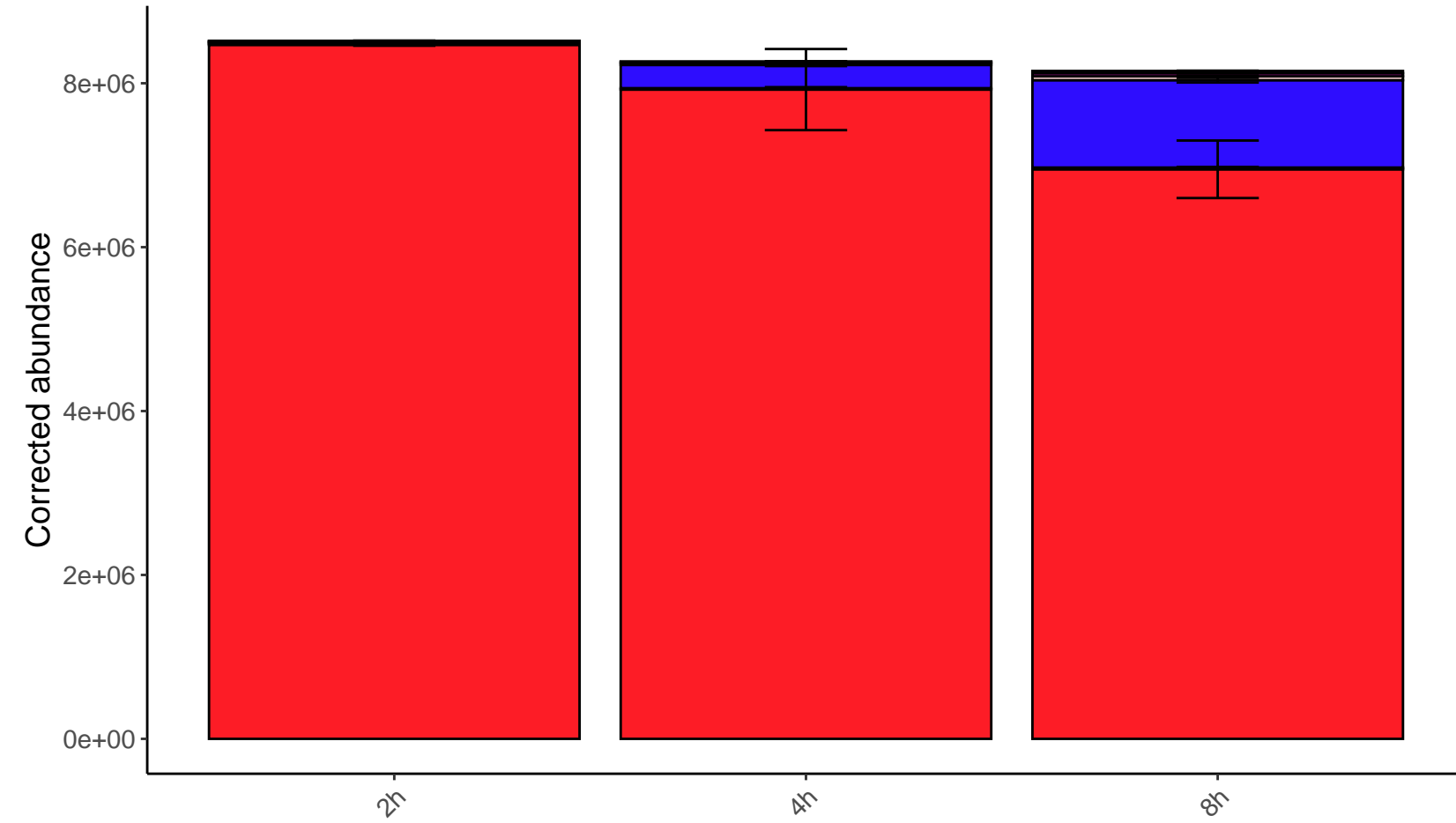
BSA  
LPS853

SA  
LPS853

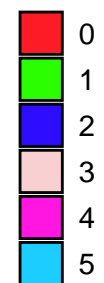
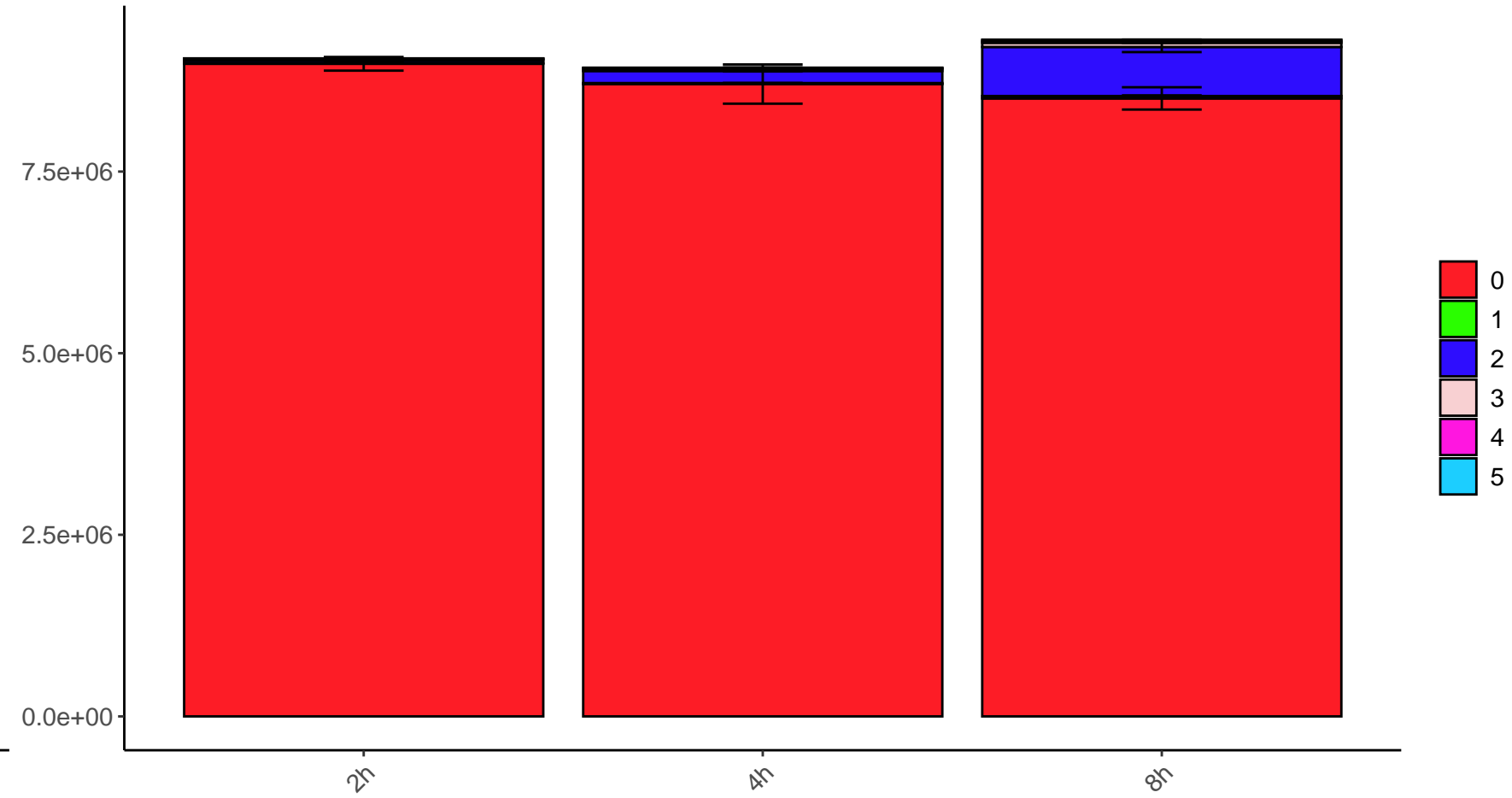


# cis-4-Hydroxy-D-proline

BSA  
LPS853



SA  
LPS853

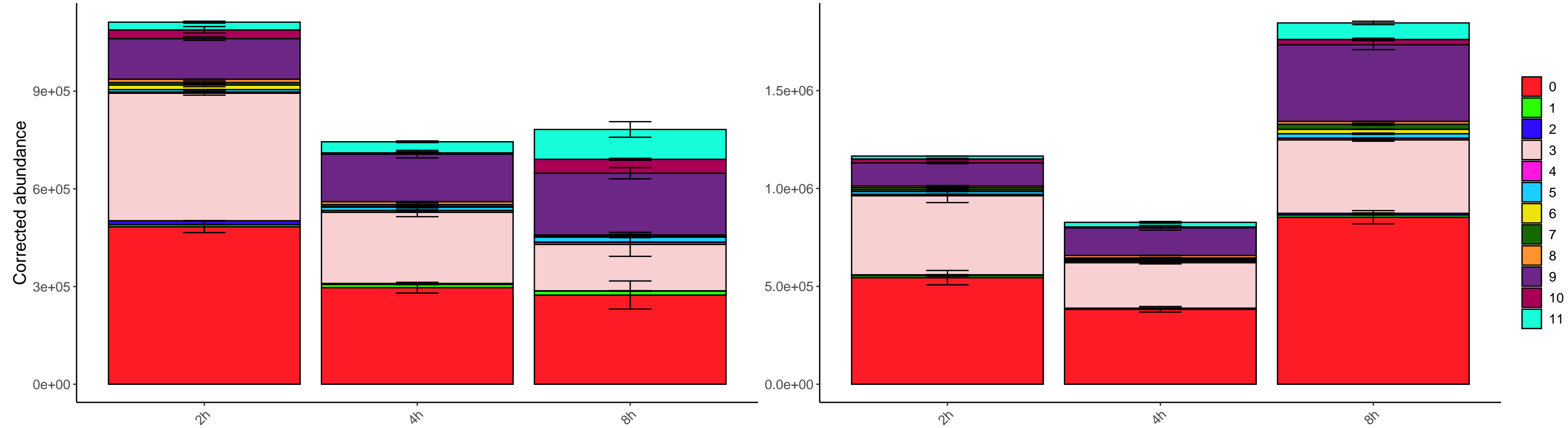




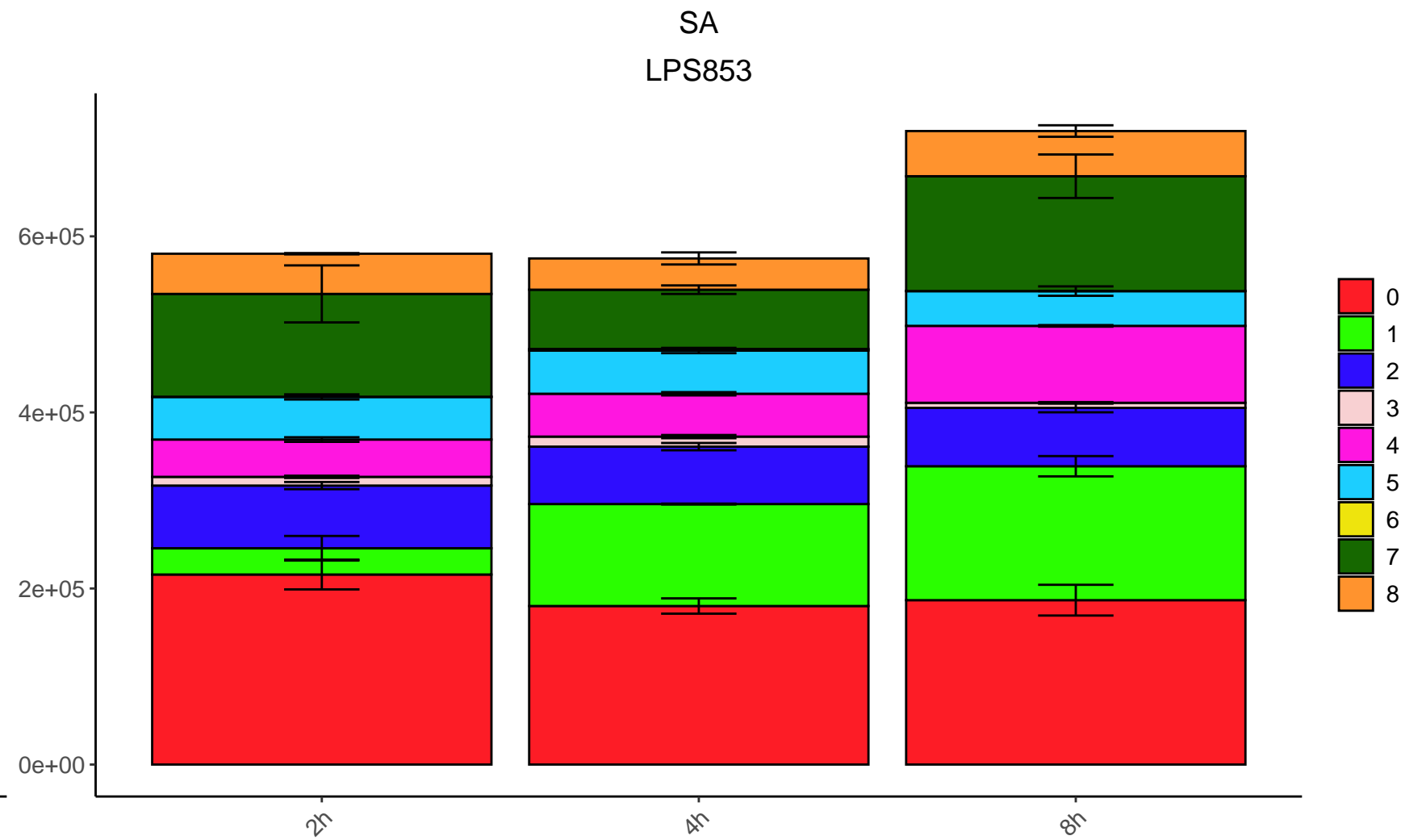
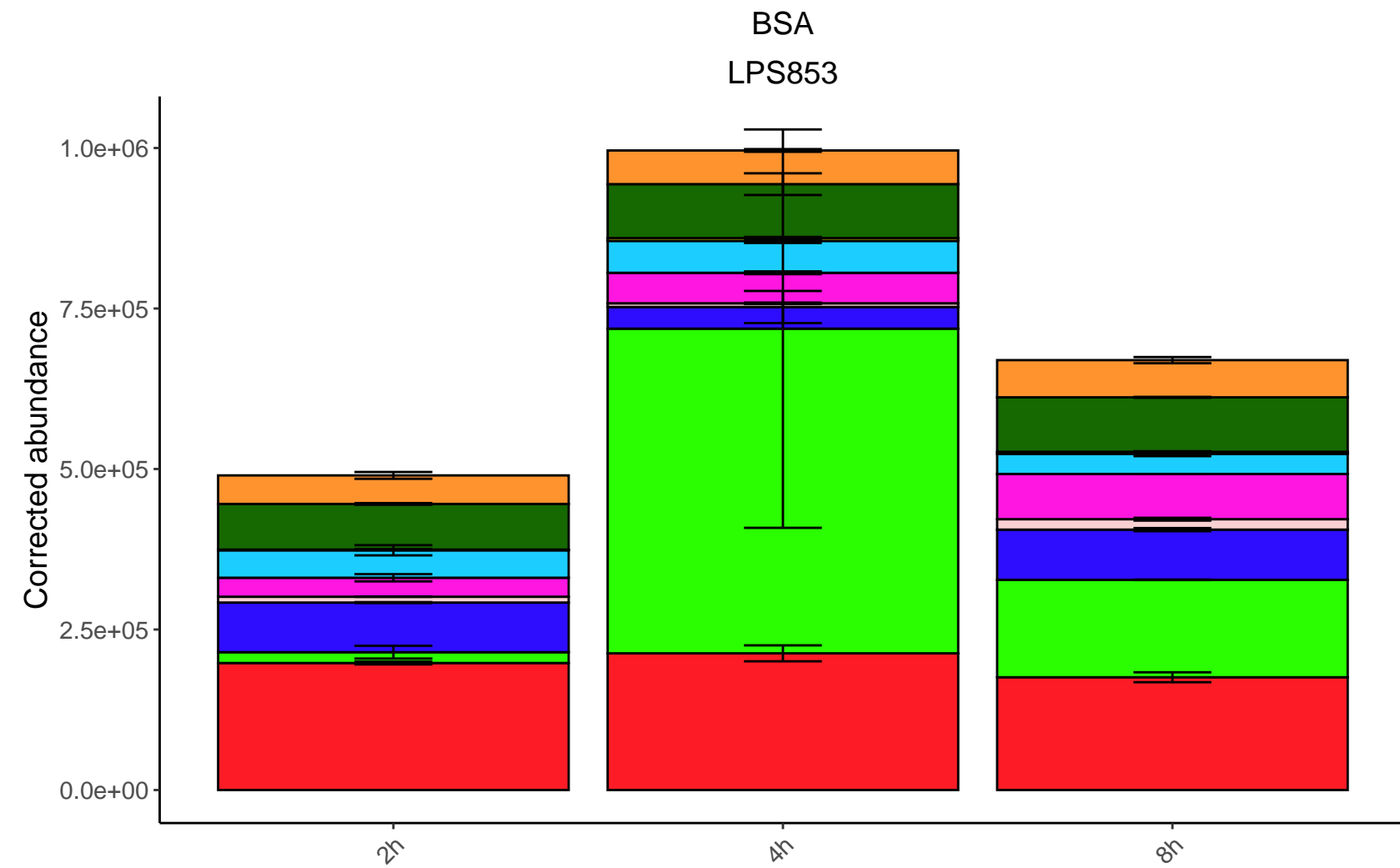
# N-Acetylneuraminic acid

BSA  
LPS853

SA  
LPS853



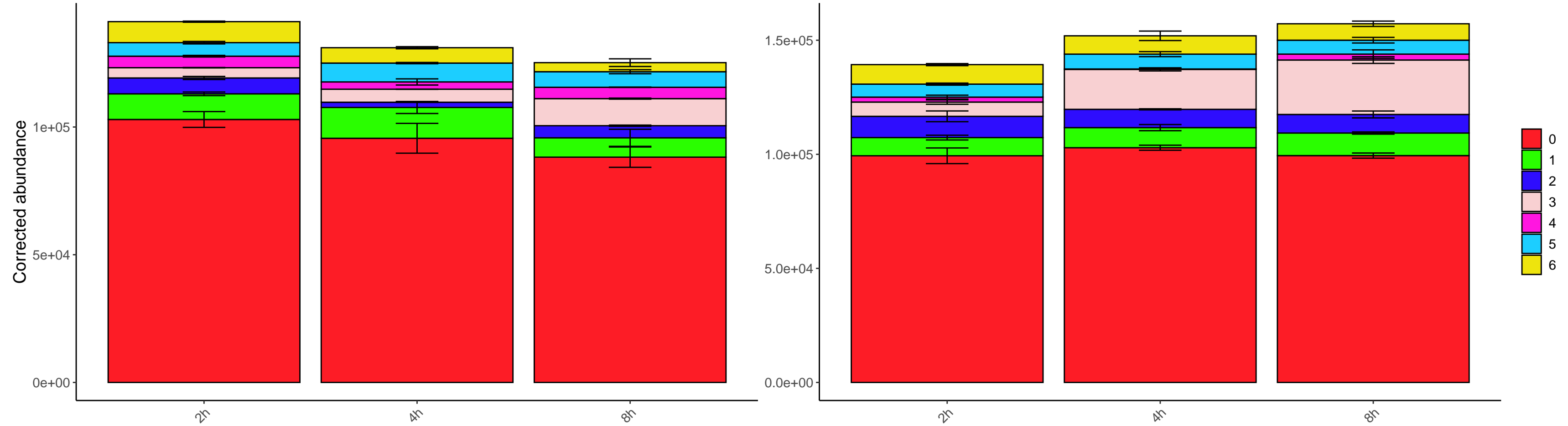
## N-Acetylhexosamines



# Glucosamine 6-phosphate

BSA  
LPS853

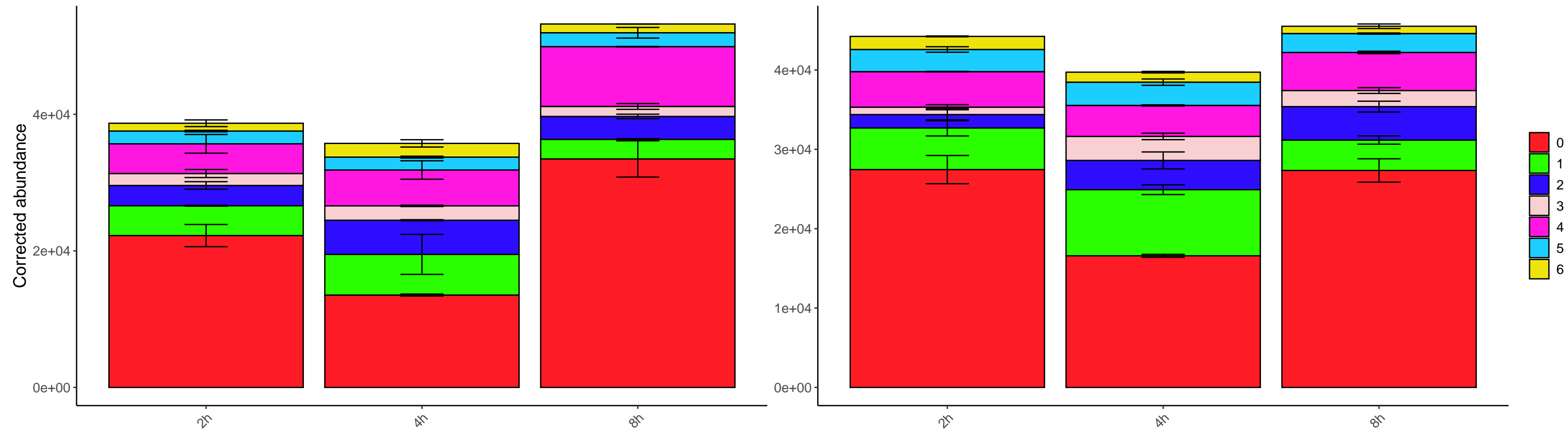
SA  
LPS853



# Glucosamine

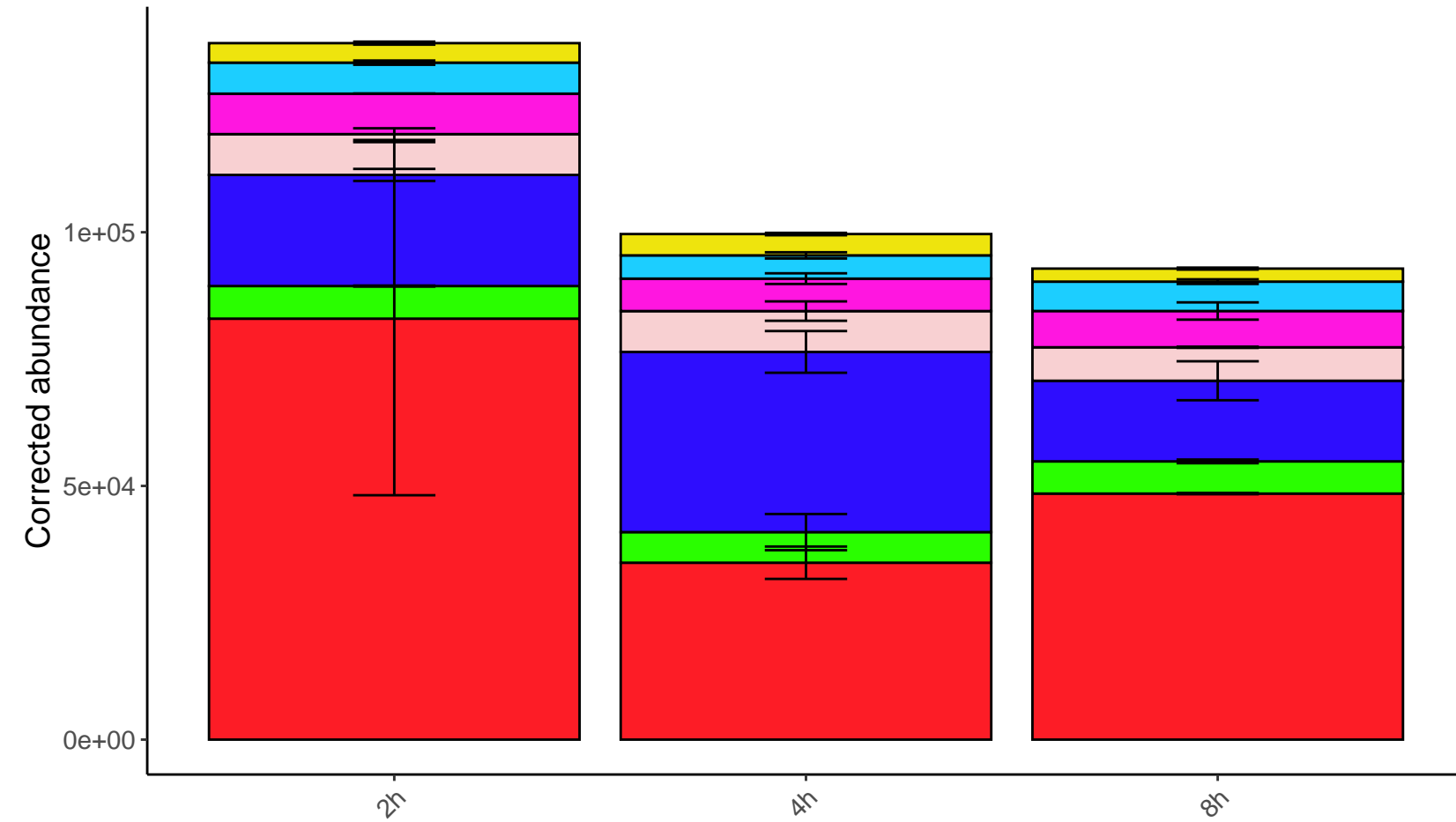
BSA  
LPS853

SA  
LPS853

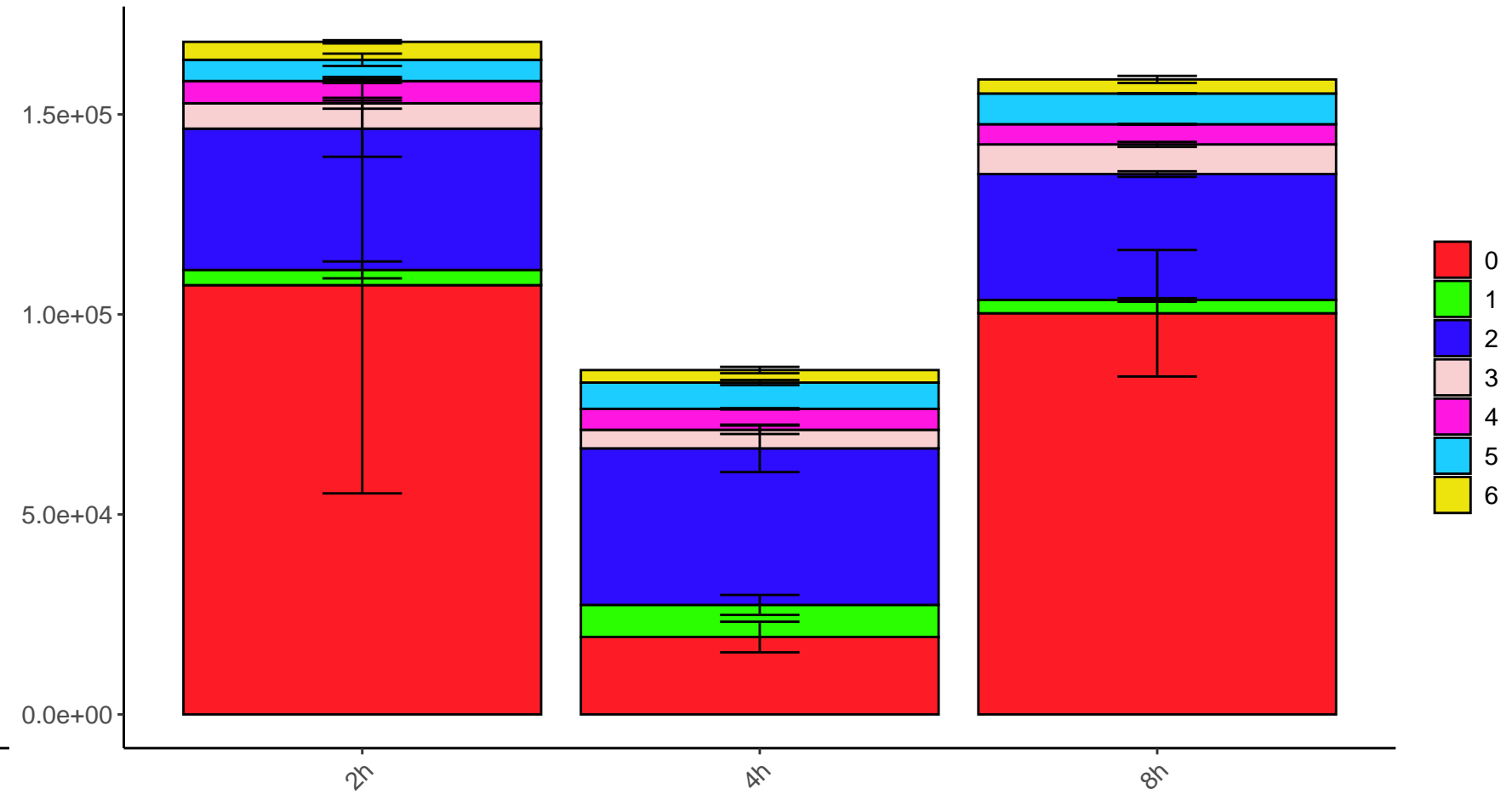


# D-Mannosamine

BSA  
LPS853

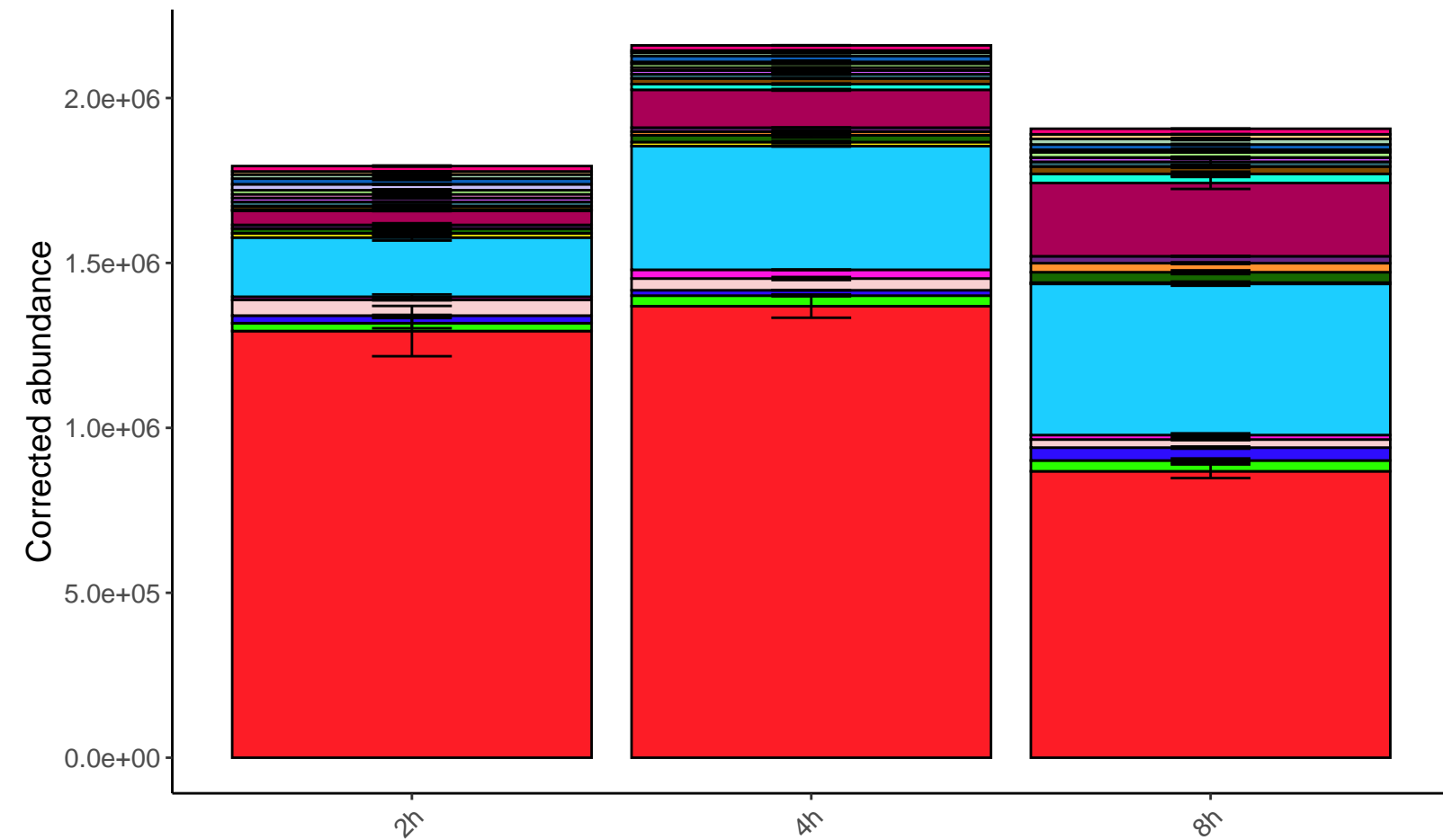


SA  
LPS853

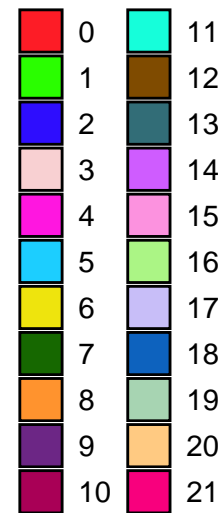
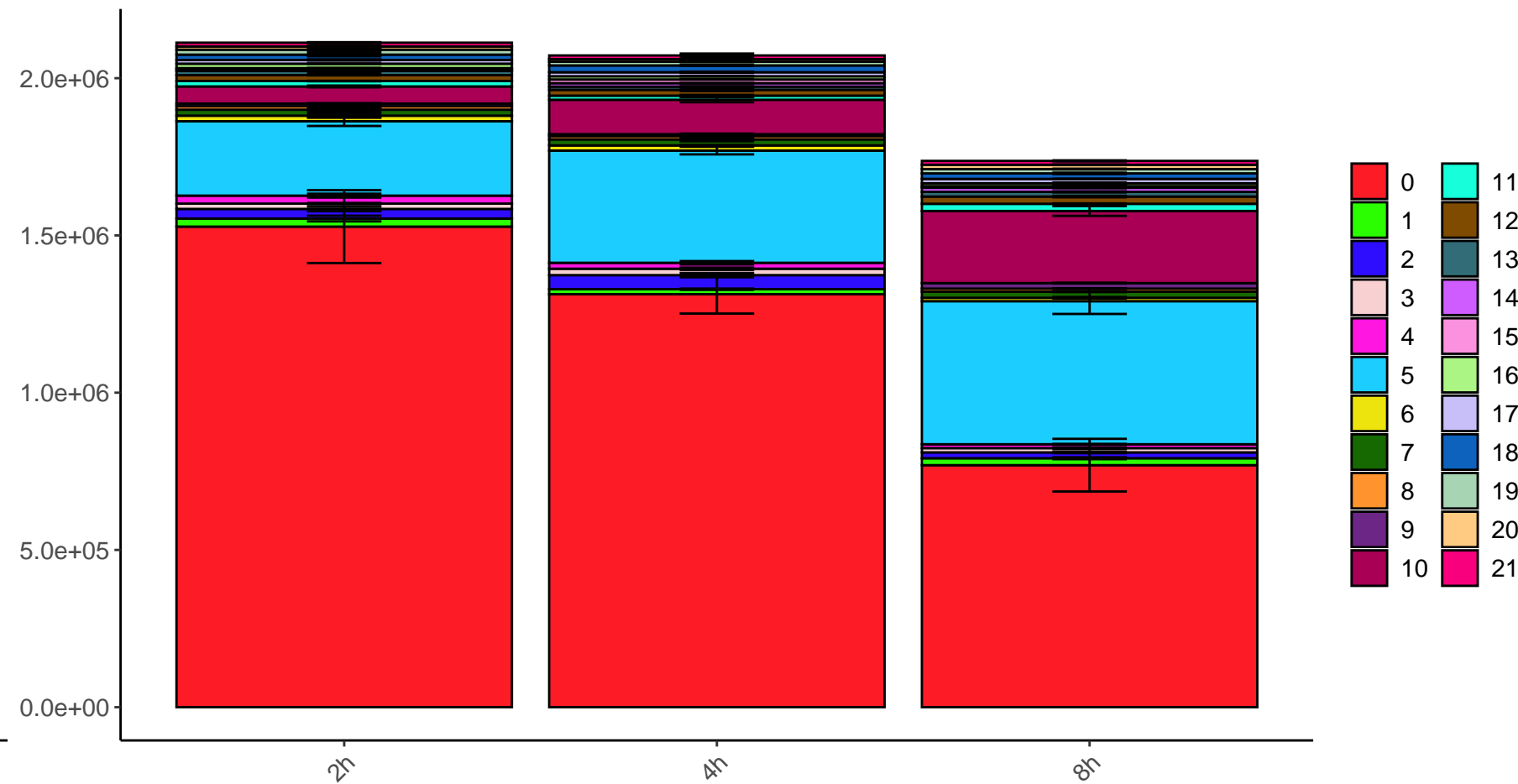


# Nicotinamide adenine dinucleotide

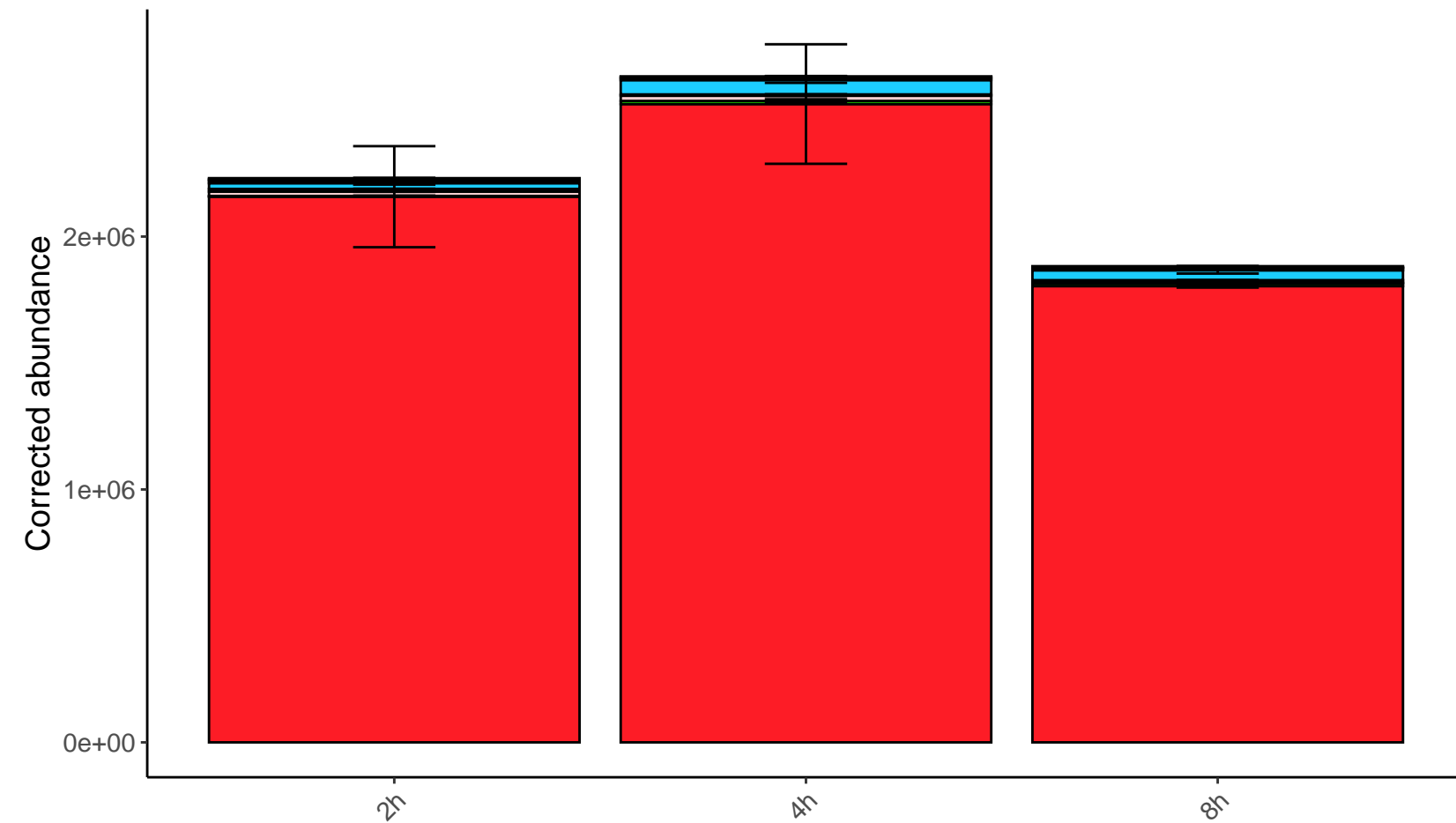
BSA  
LPS853



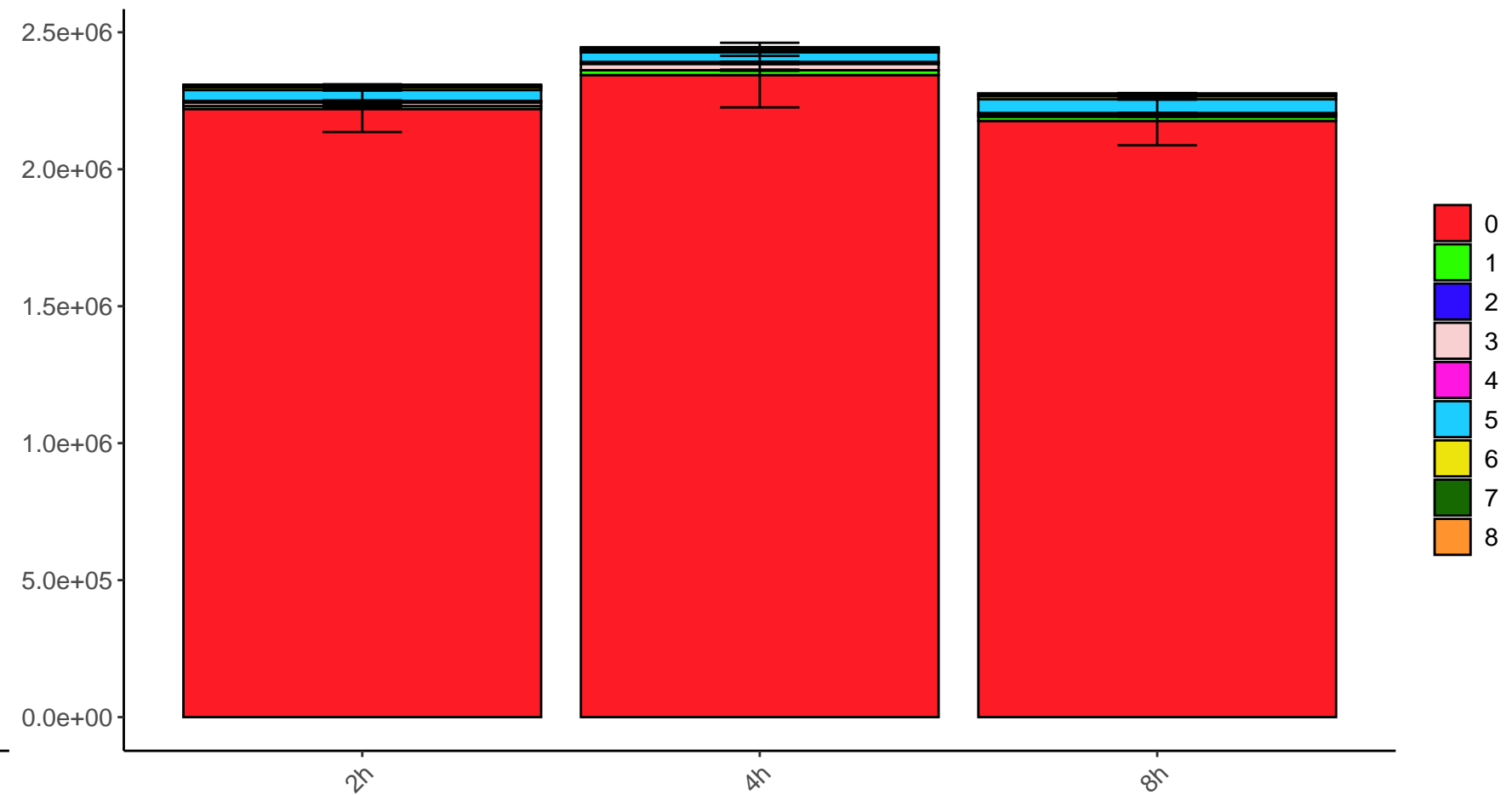
SA  
LPS853



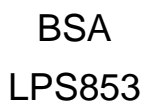
## Pyridoxine

BSA  
LPS853

SA  
LPS853



# Folic acid

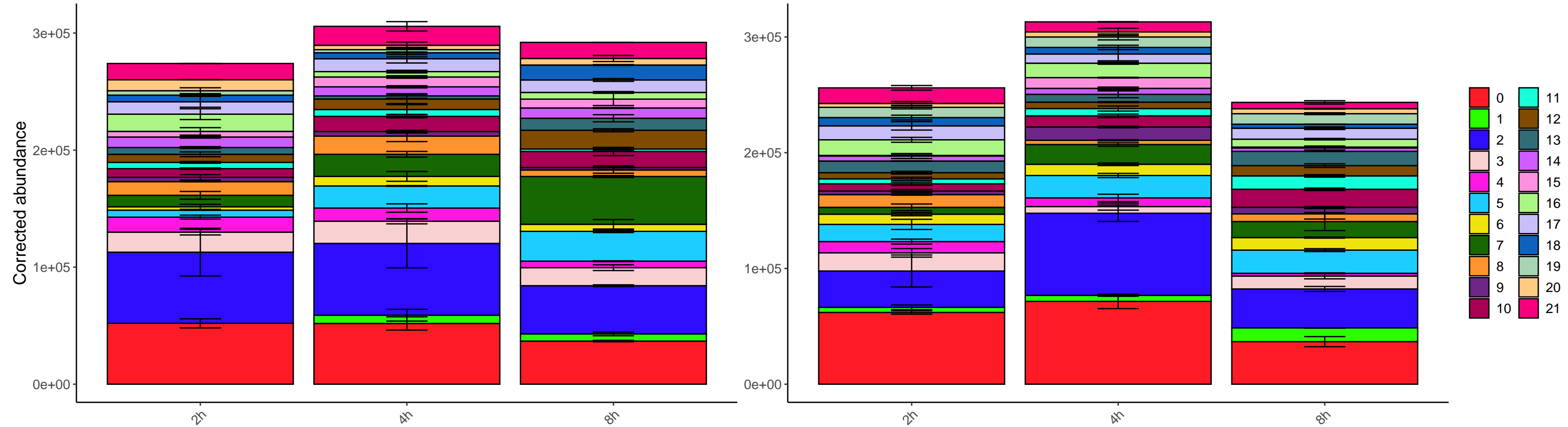




# Nicotinamide adenine dinucleotide phosphate

BSA  
LPS853

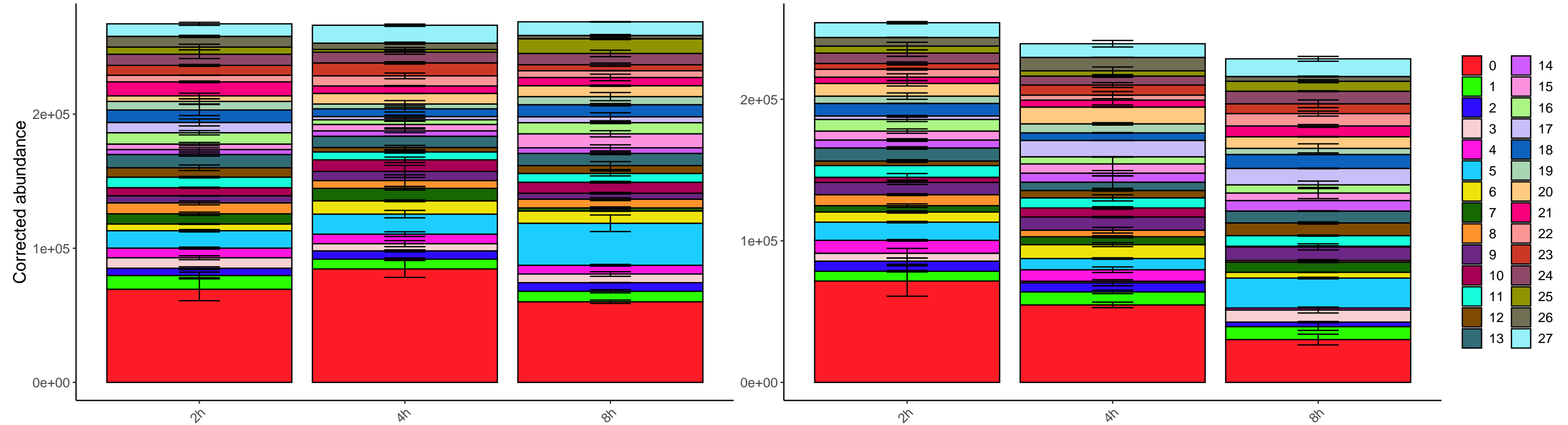
SA  
LPS853



# Flavin adenine dinucleotide

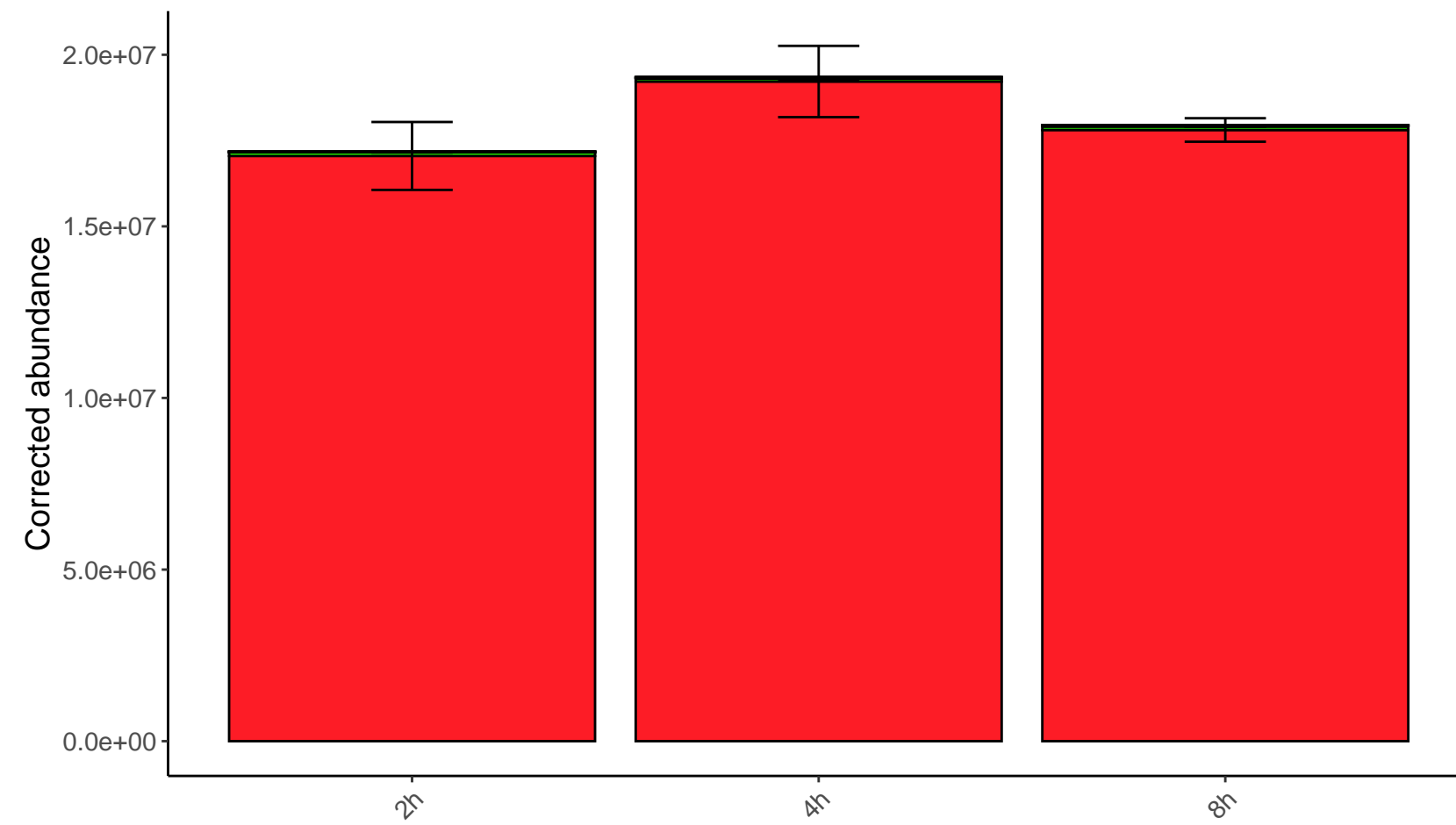
BSA  
LPS853

SA  
LPS853

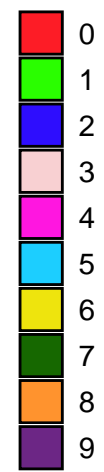
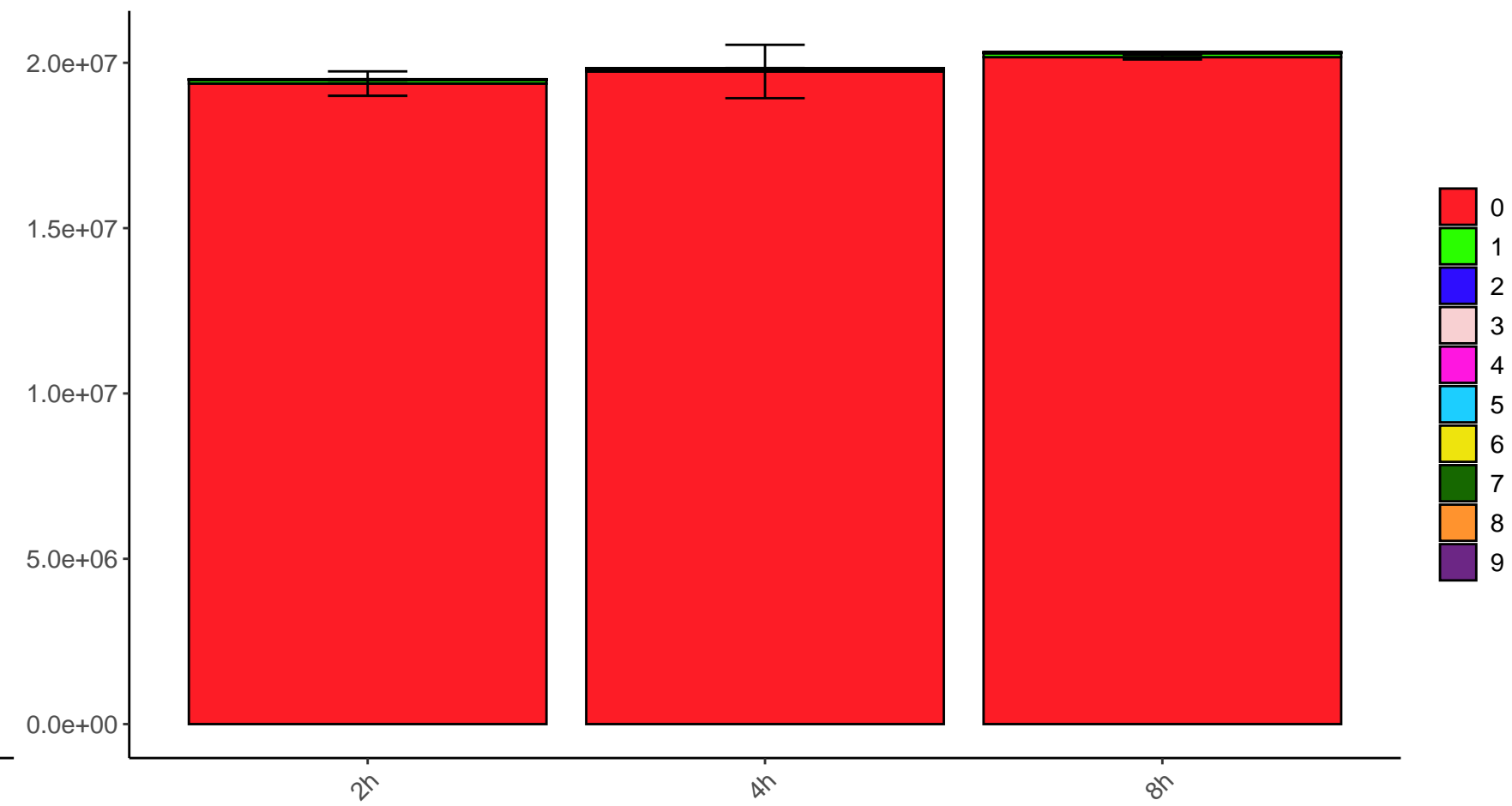


# Pantothenic acid

BSA  
LPS853



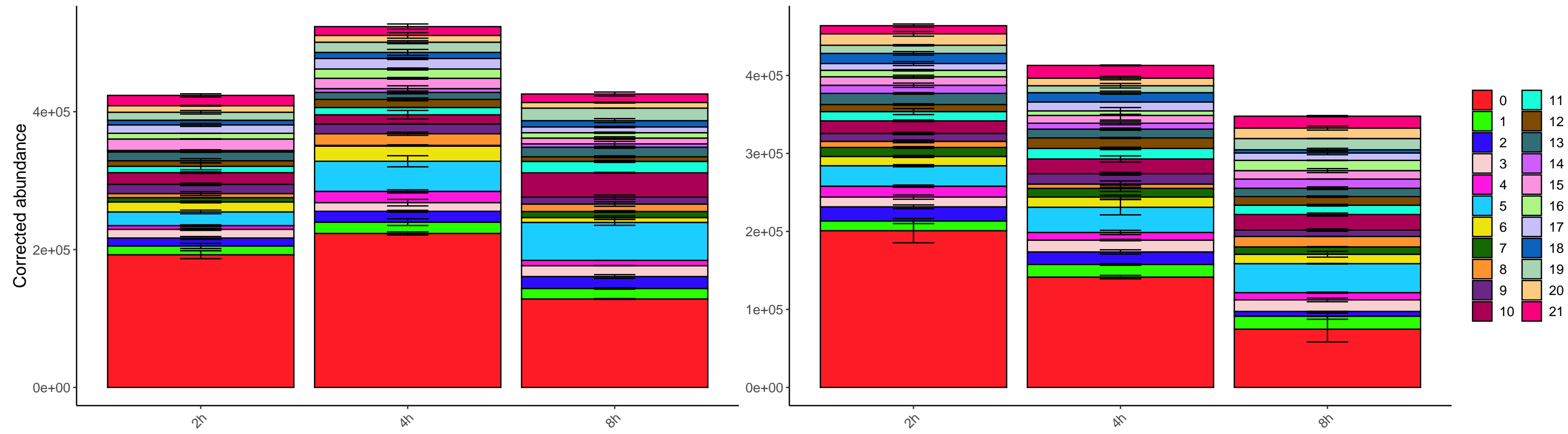
SA  
LPS853



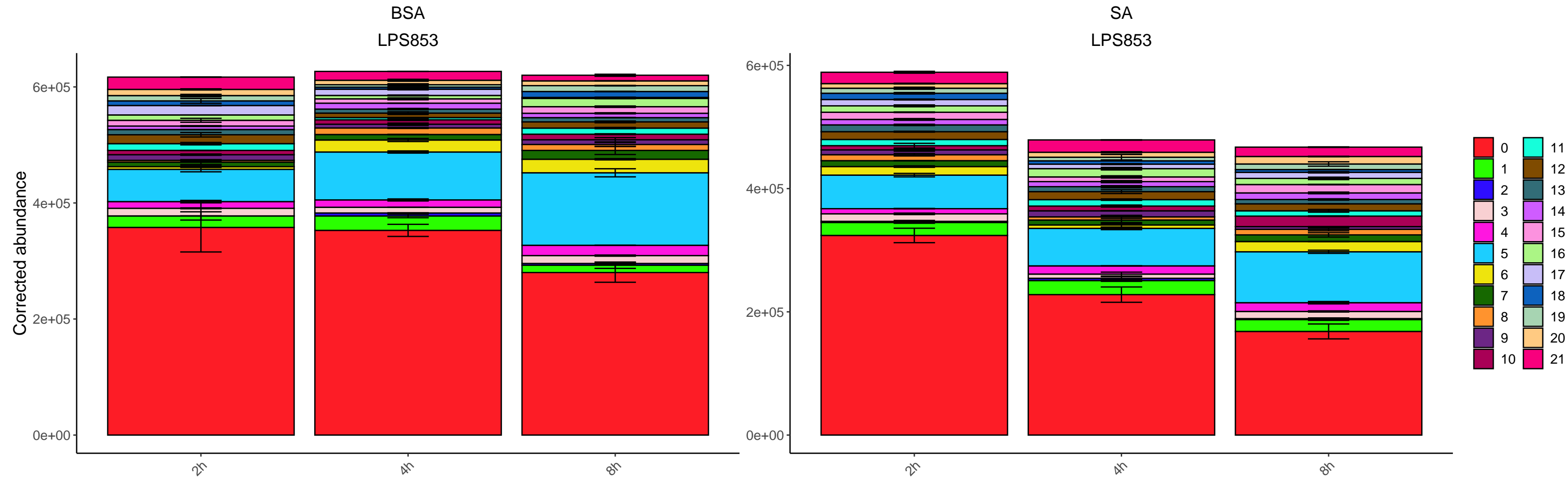
# Nicotinamide adenine dinucleotide phosphate hydrogen

BSA  
LPS853

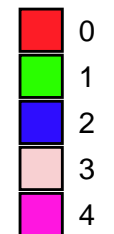
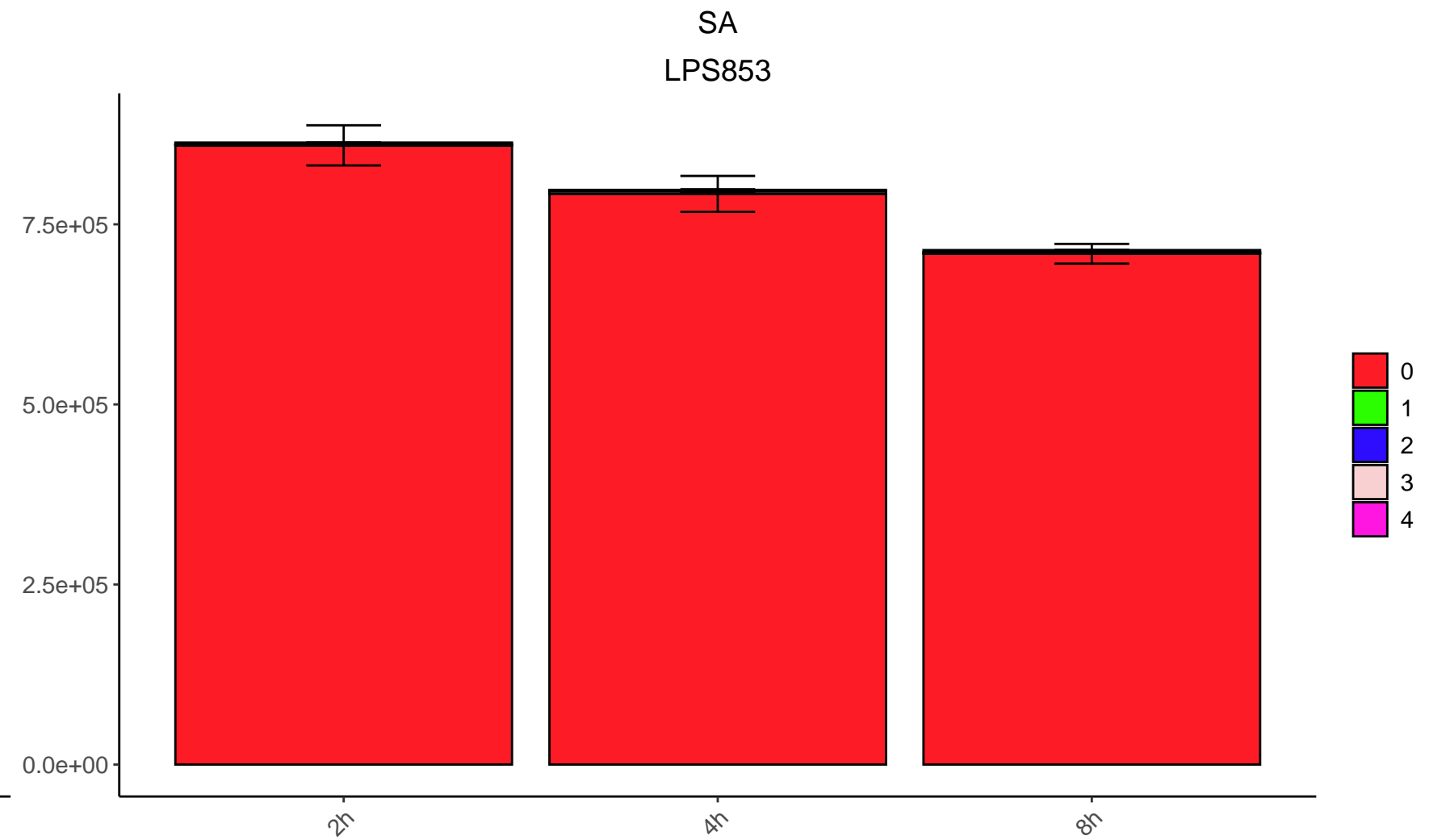
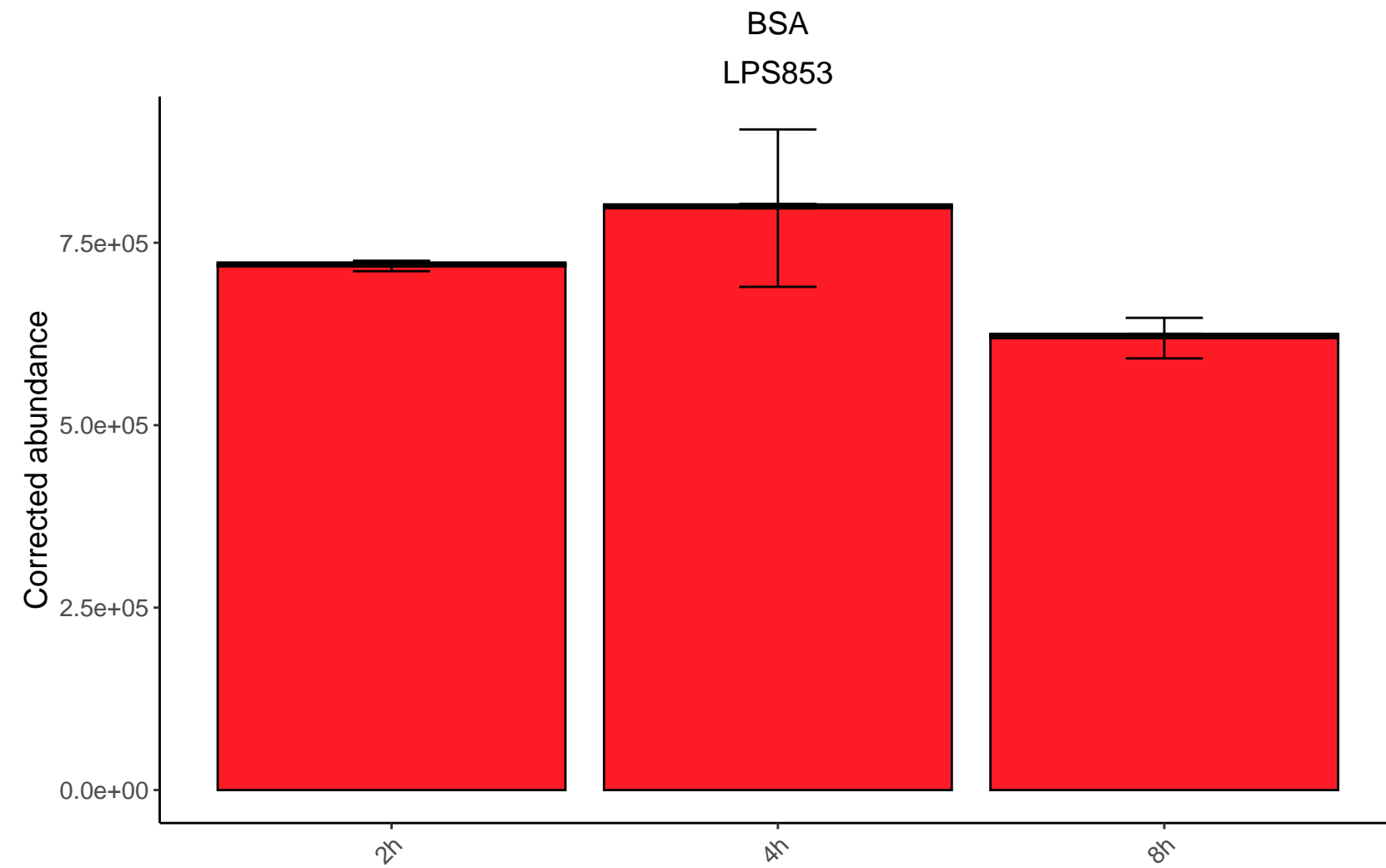
SA  
LPS853



## Coenzyme A

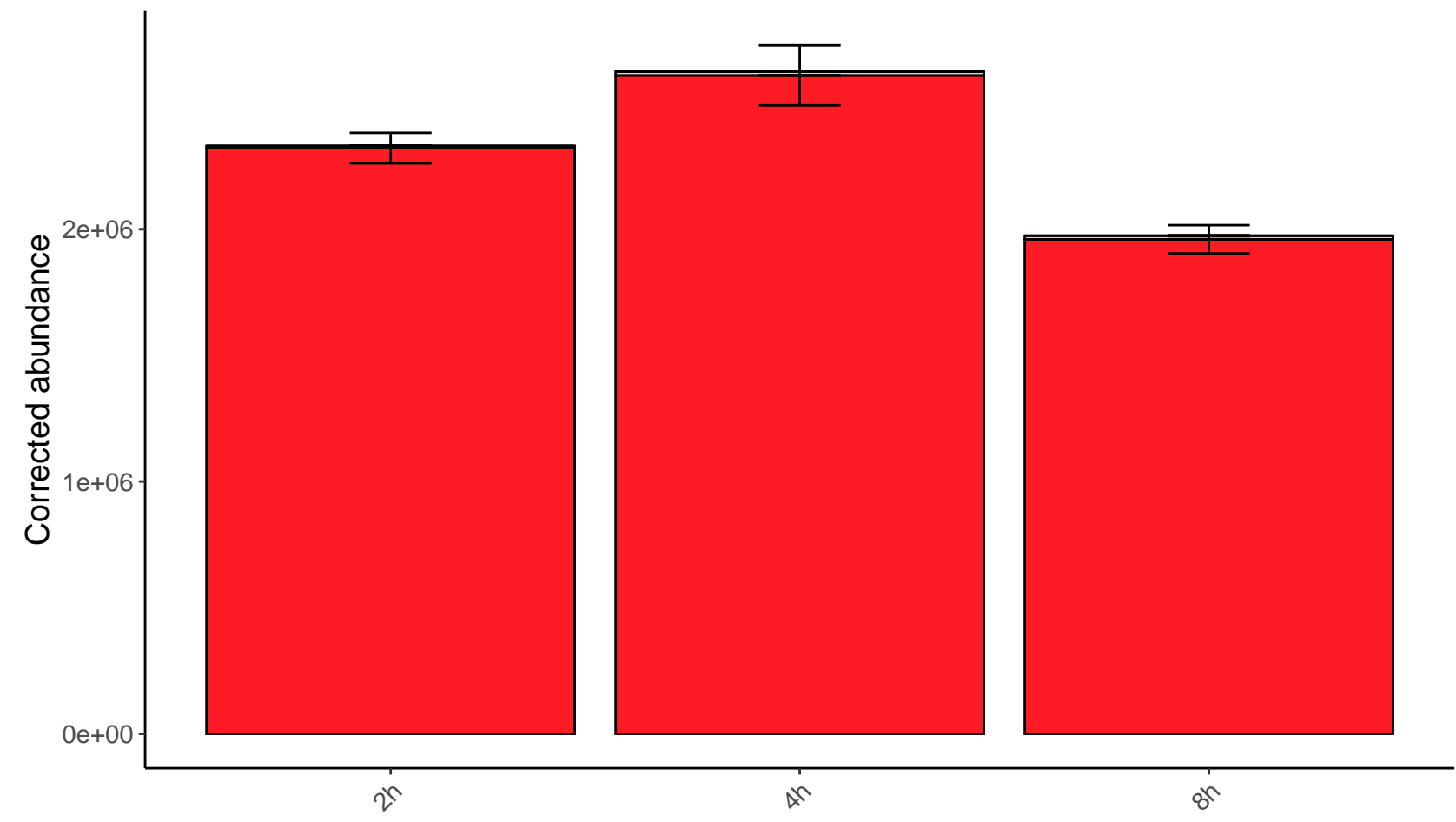


# Creatine

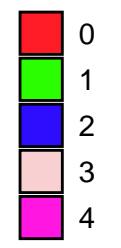
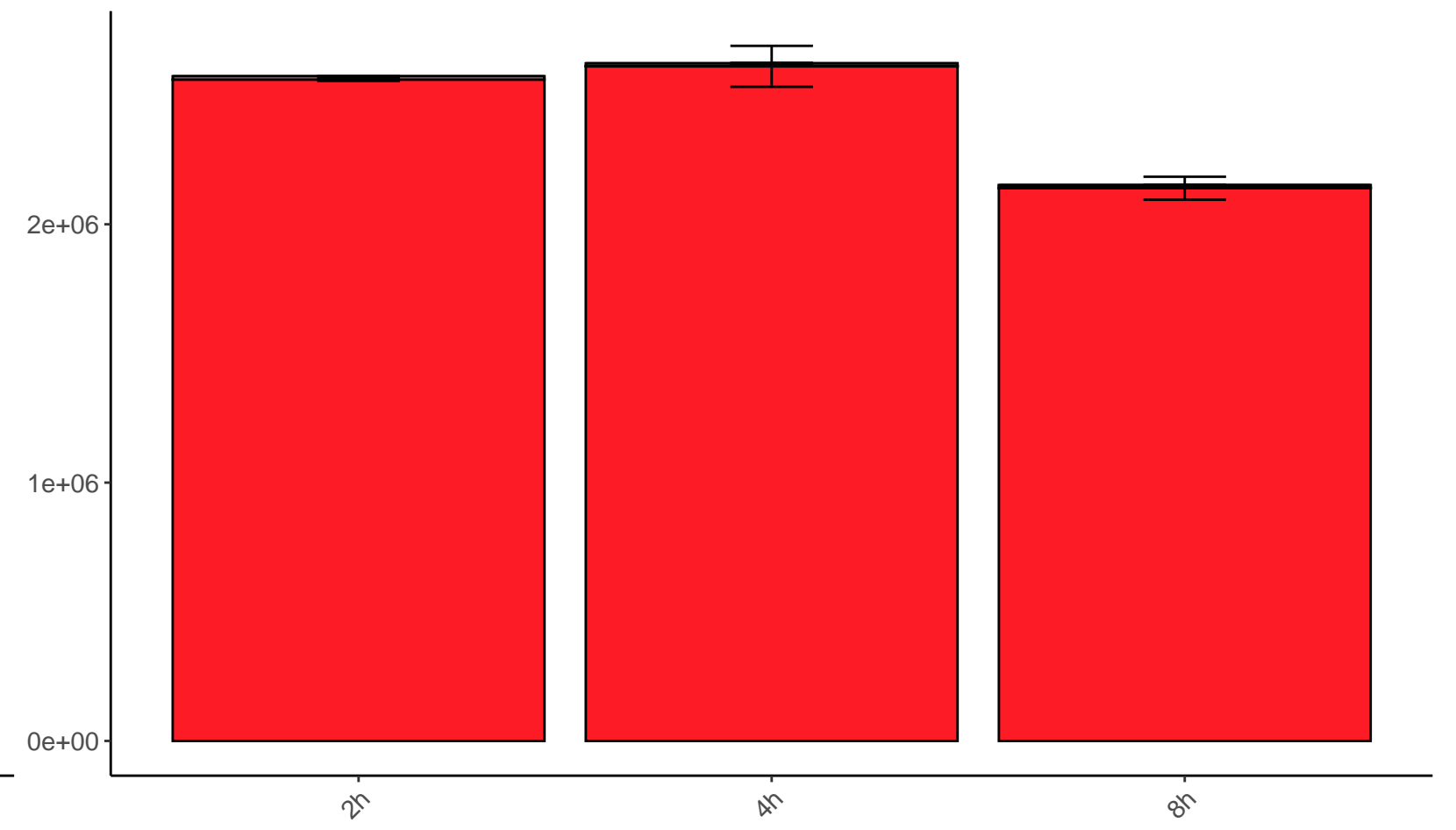


# Phosphocreatine

BSA  
LPS853

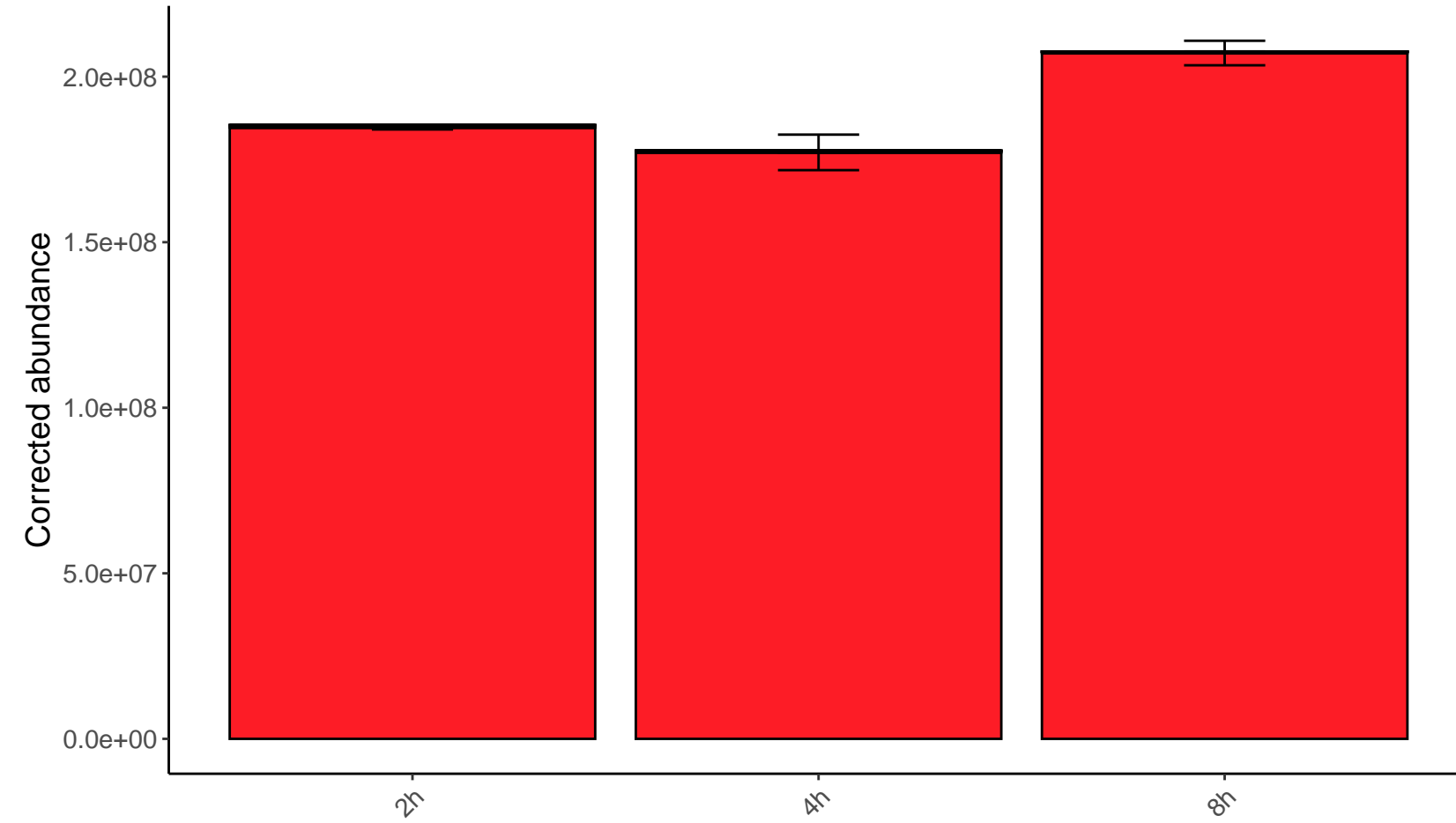


SA  
LPS853

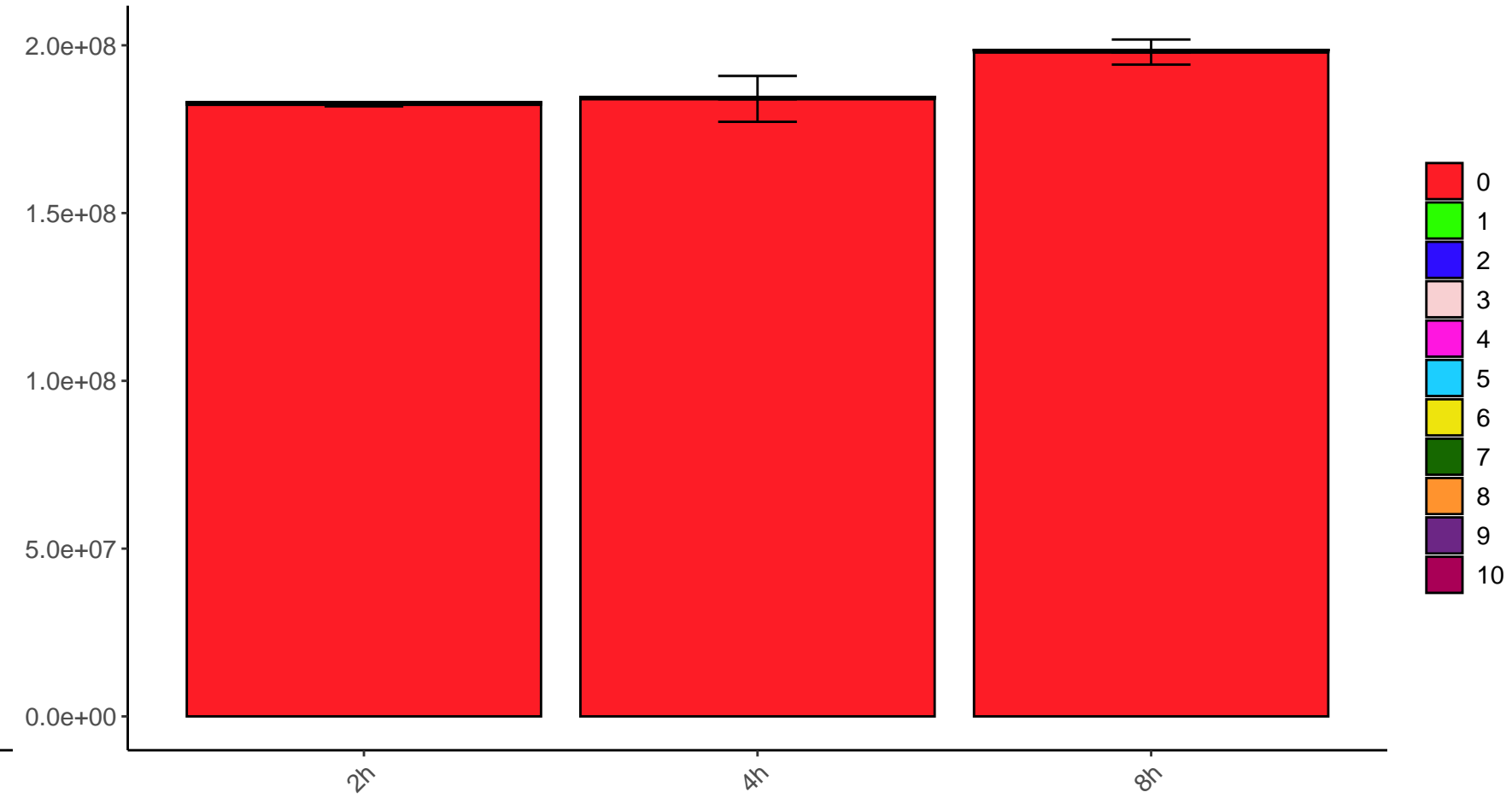


# Glutathione

BSA  
LPS853



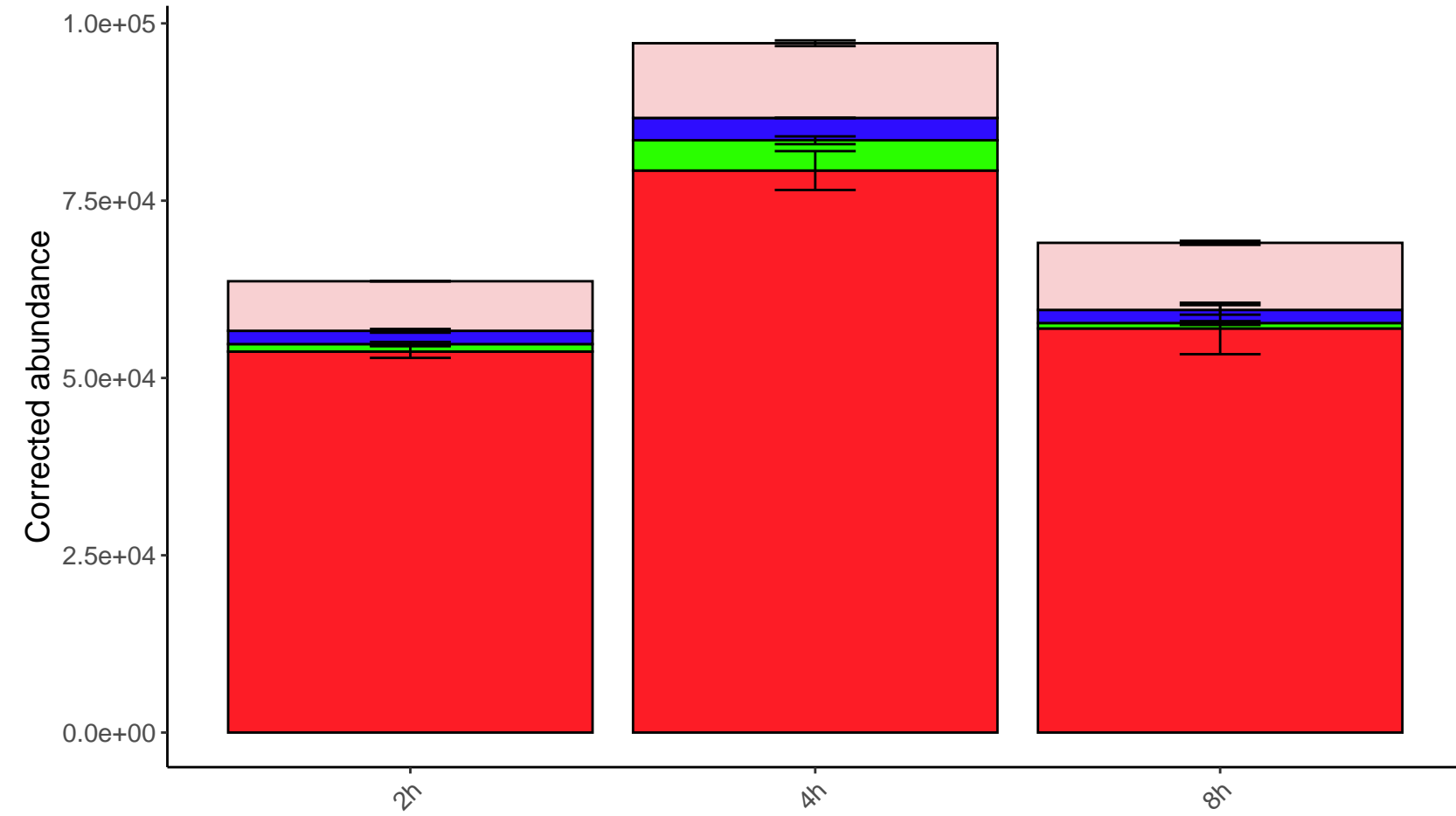
SA  
LPS853



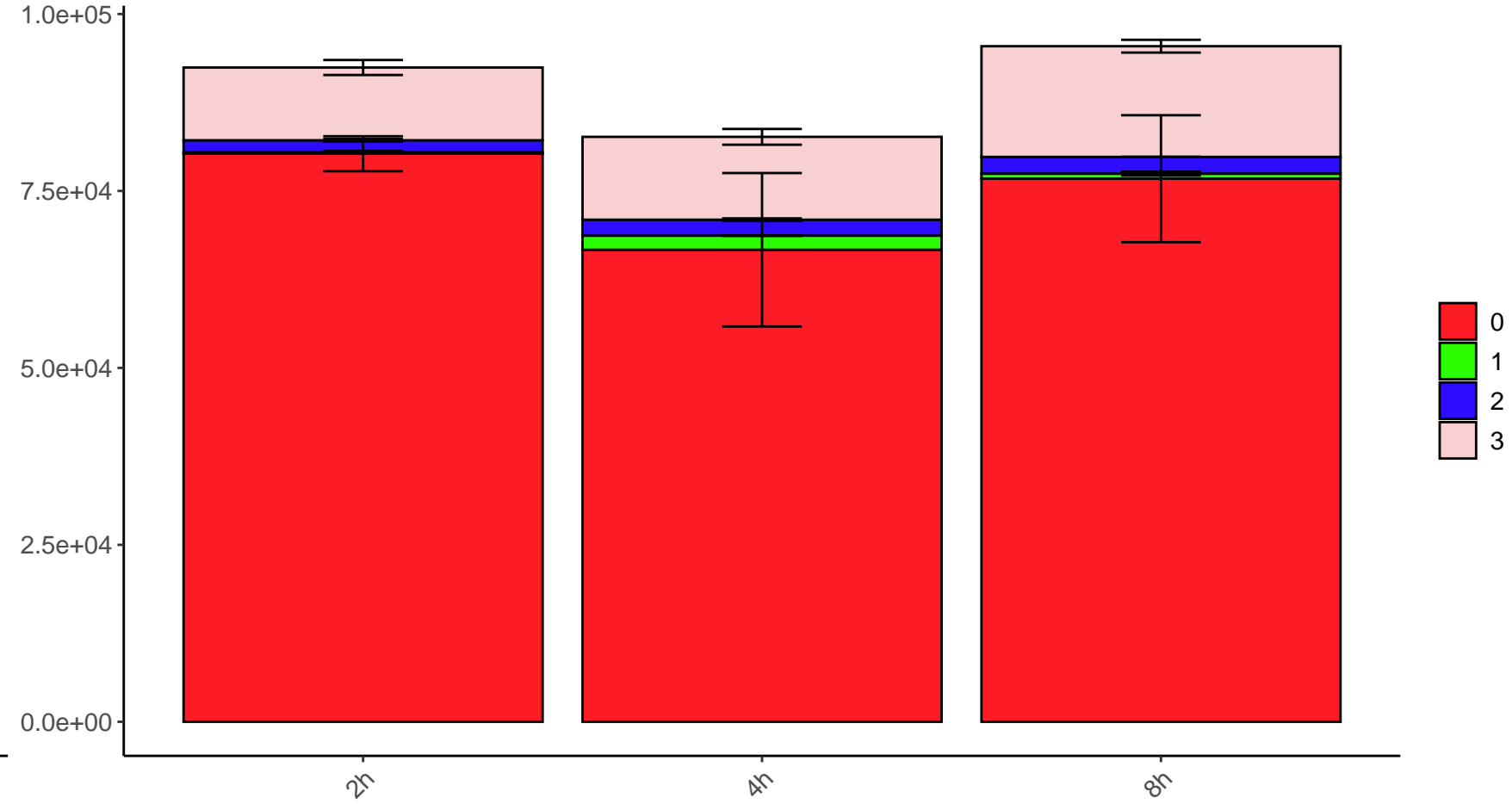


# Glycerol

BSA  
LPS853

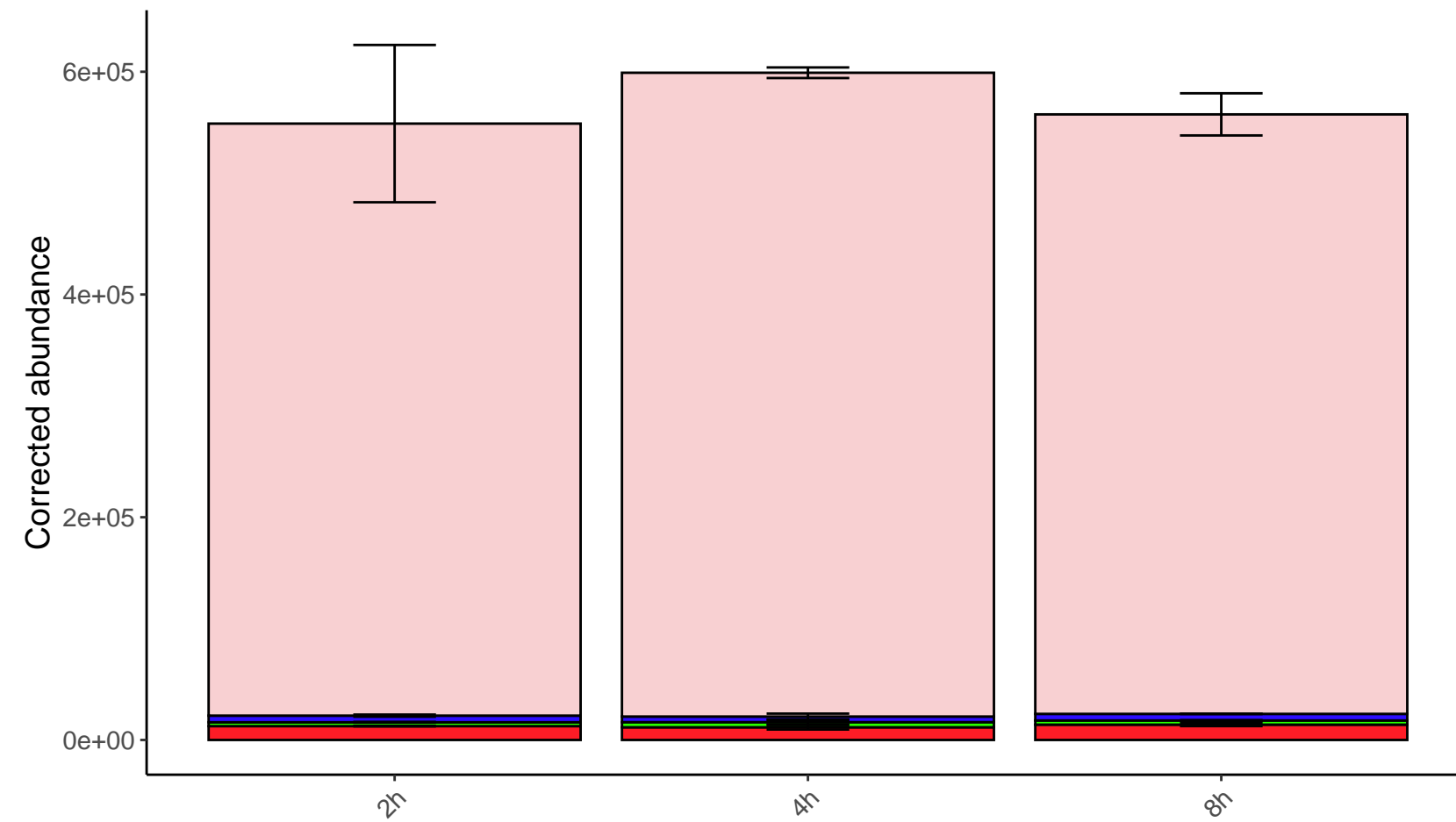


SA  
LPS853

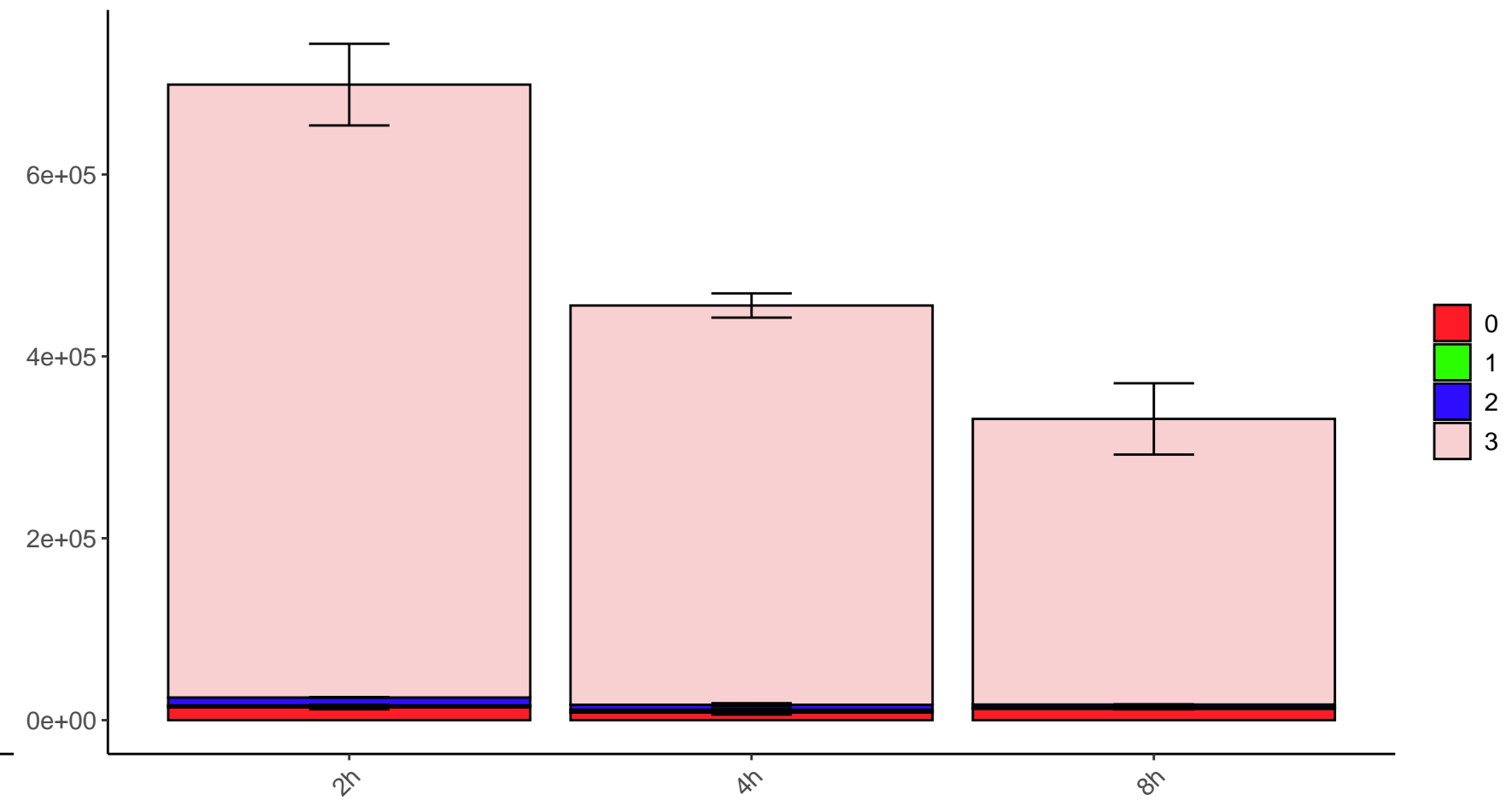


# Phosphoglyceric acid

BSA  
LPS853

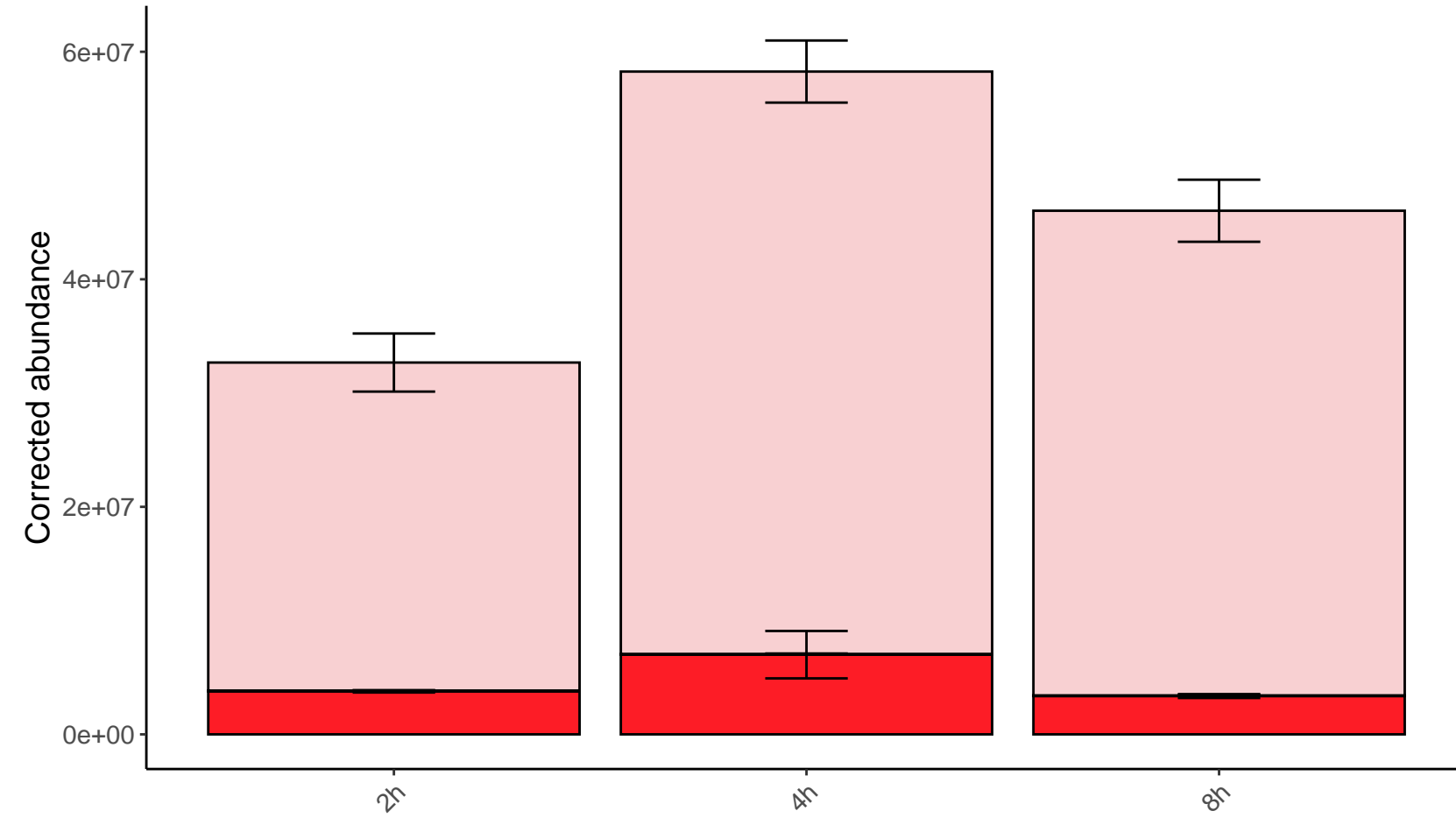


SA  
LPS853

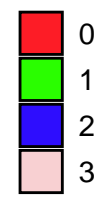
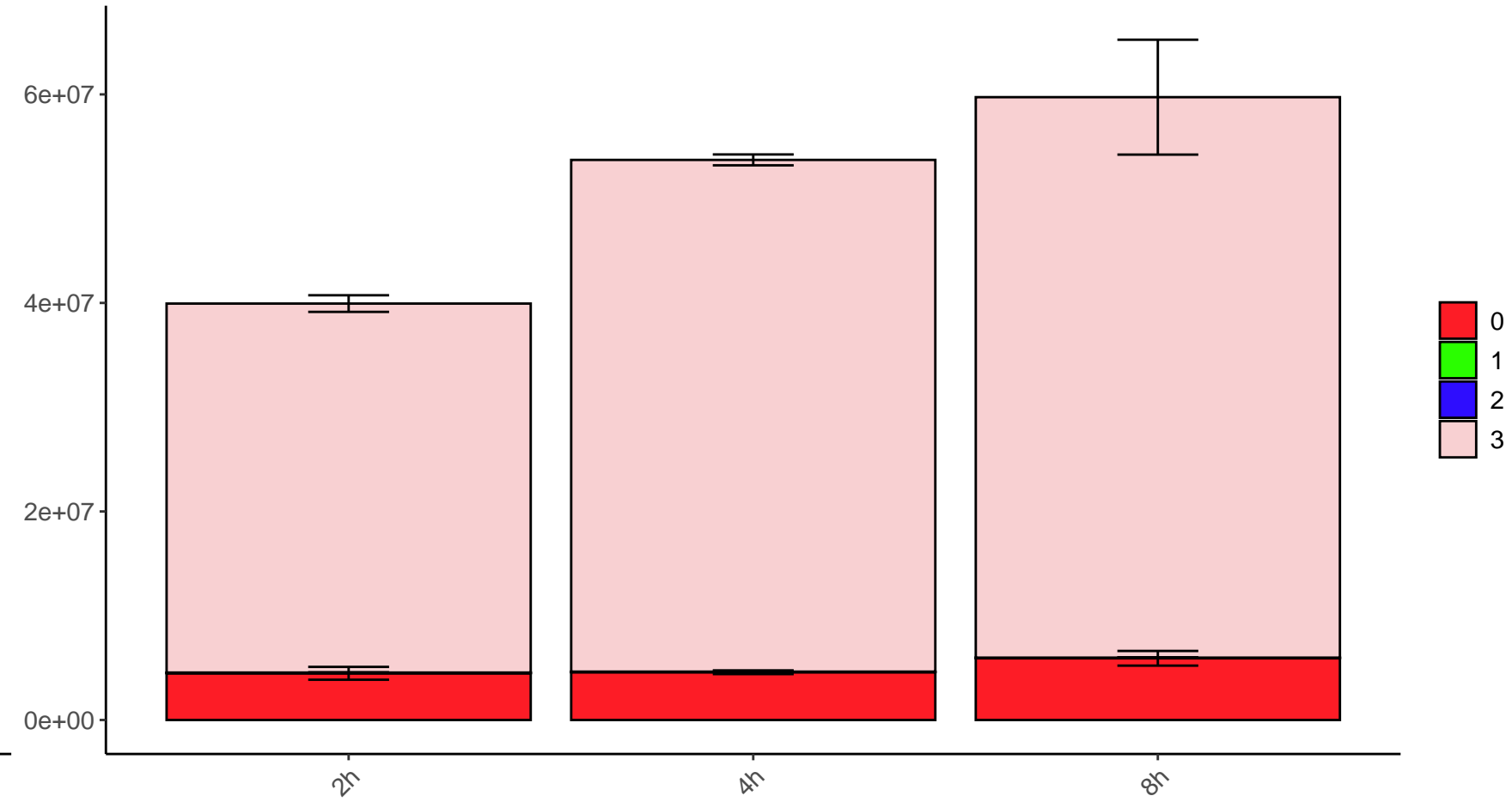


# Lactic acid

BSA  
LPS853



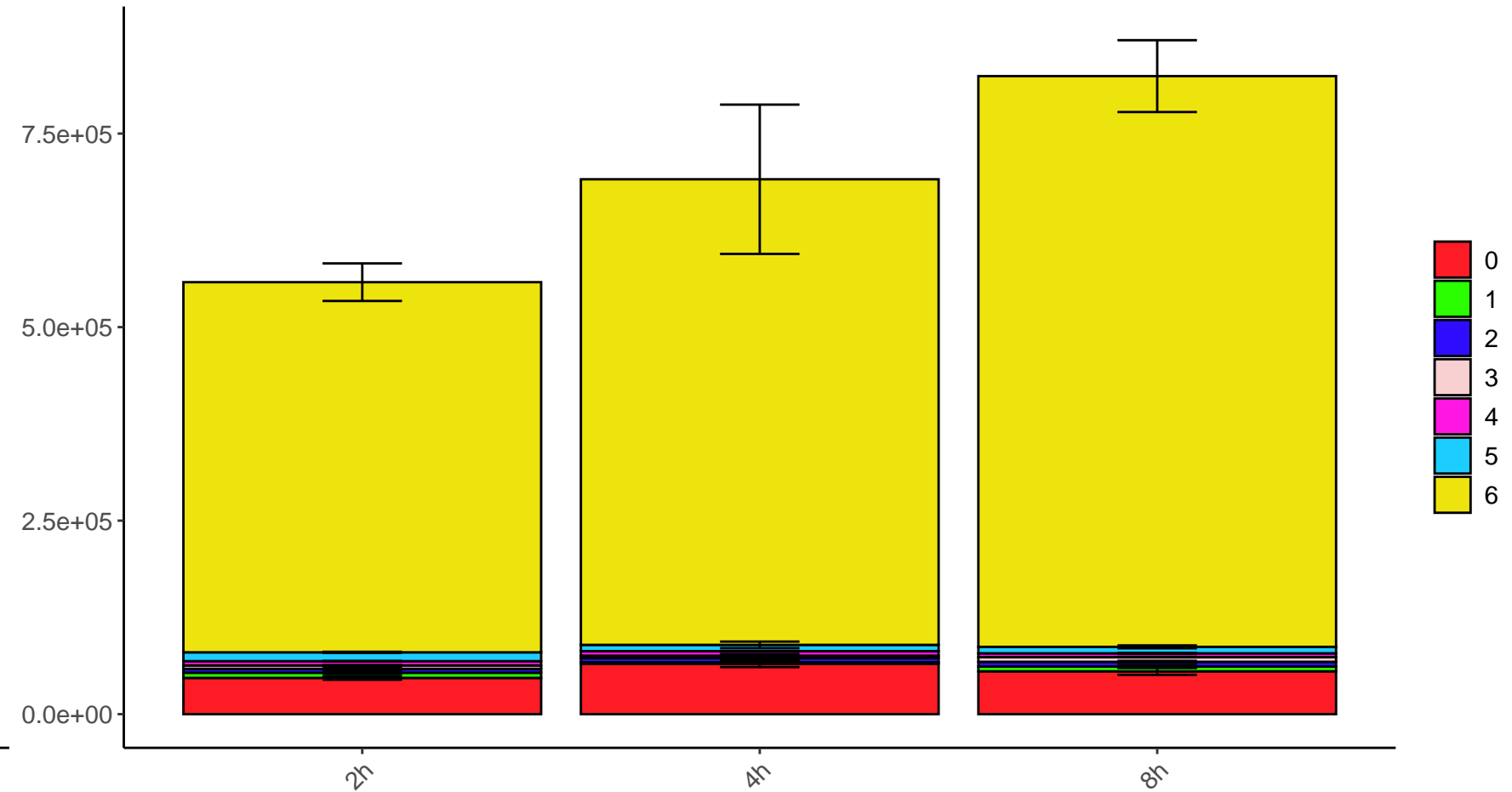
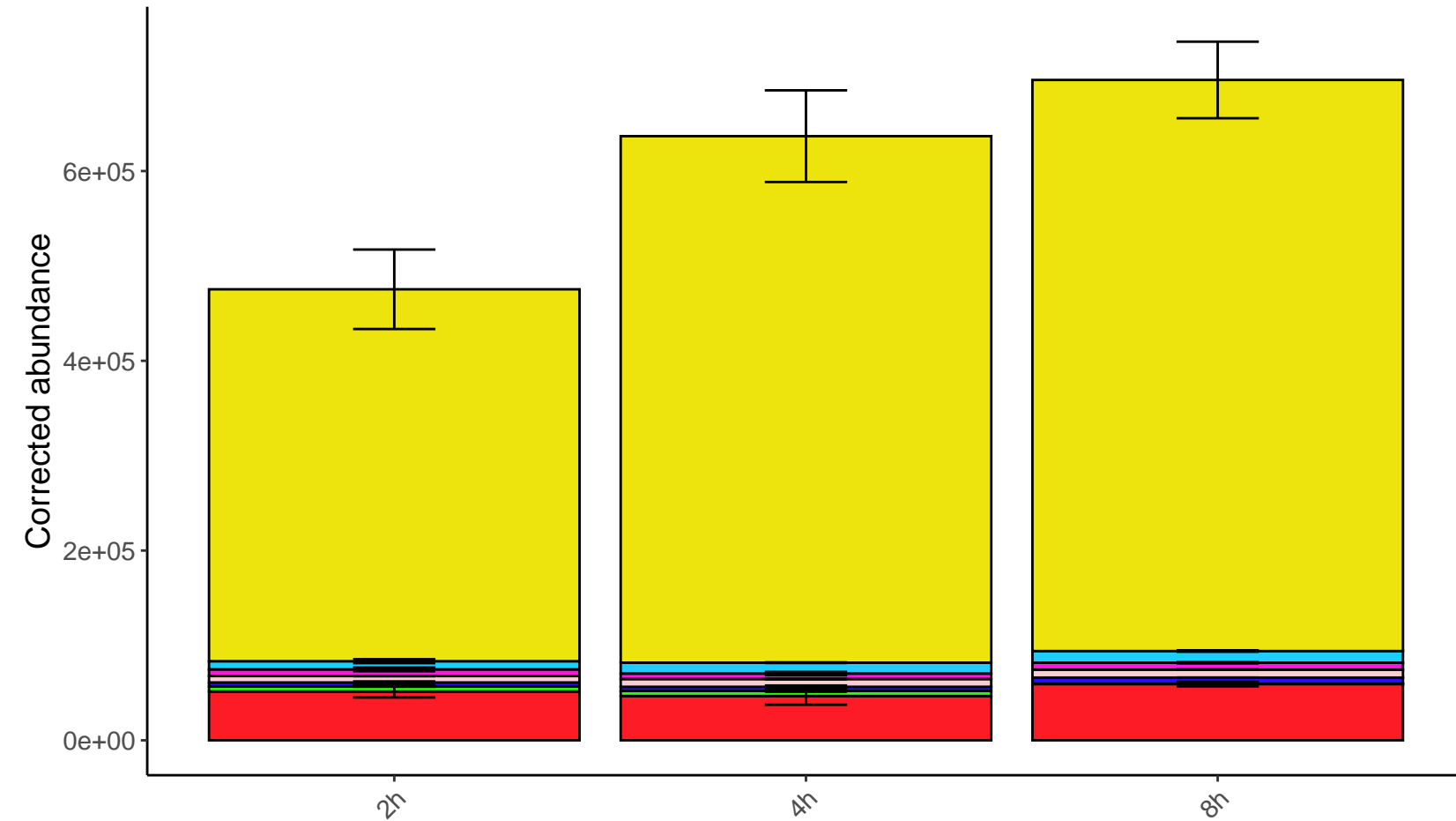
SA  
LPS853



## Glucose 6-phosphate

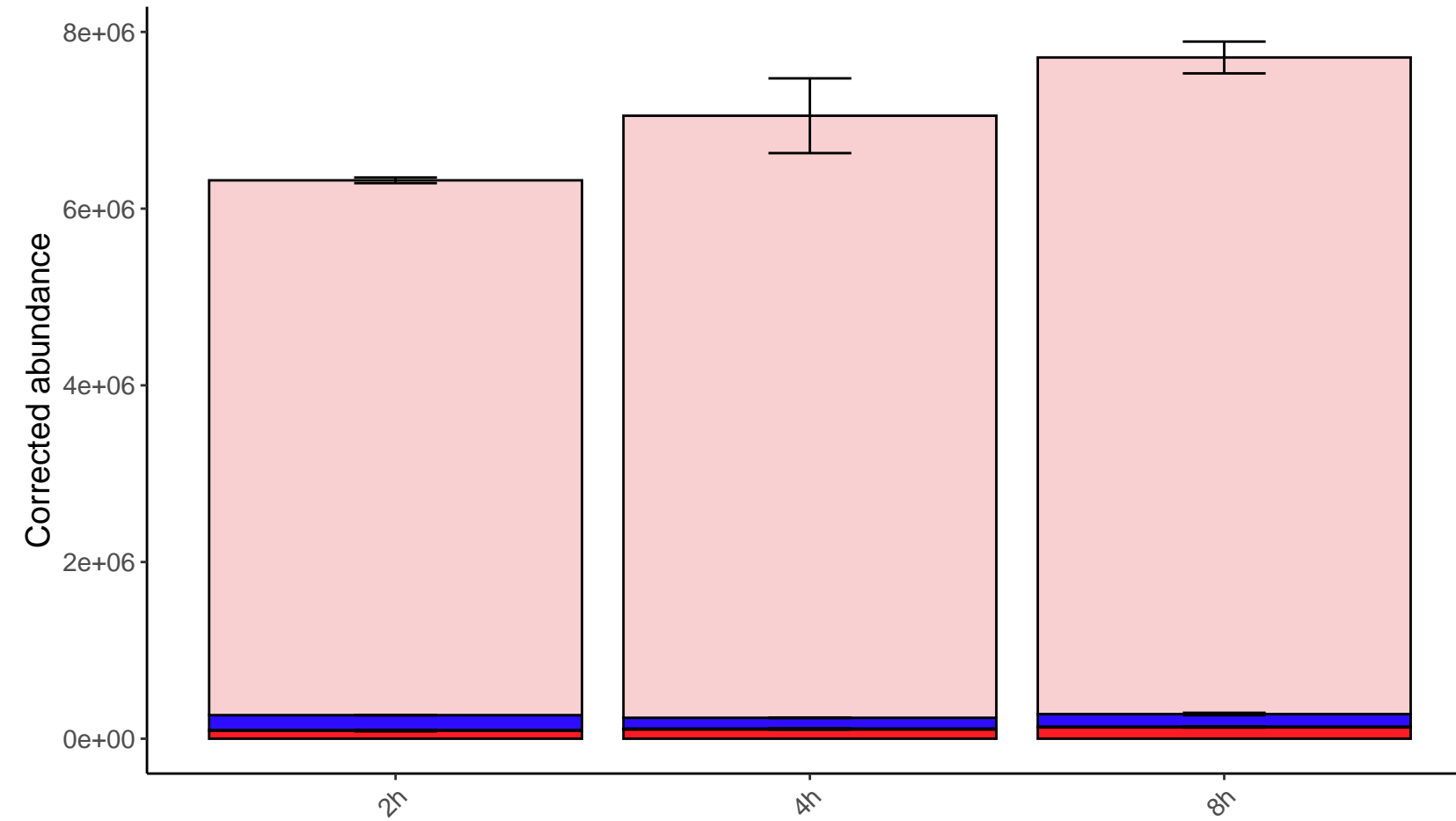
BSA  
LPS853

SA  
LPS853

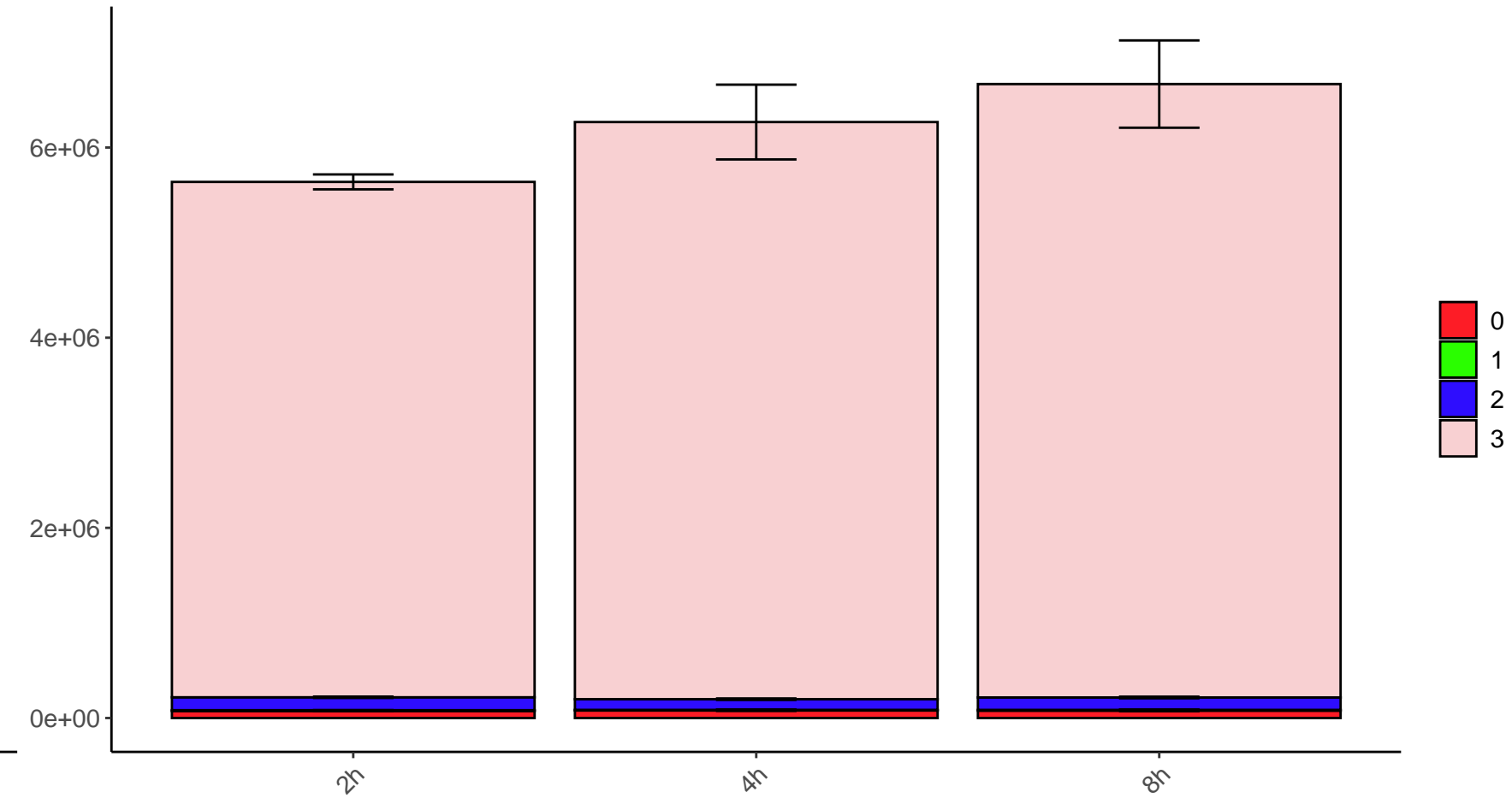


# Dihydroxyacetone phosphate

BSA  
LPS853



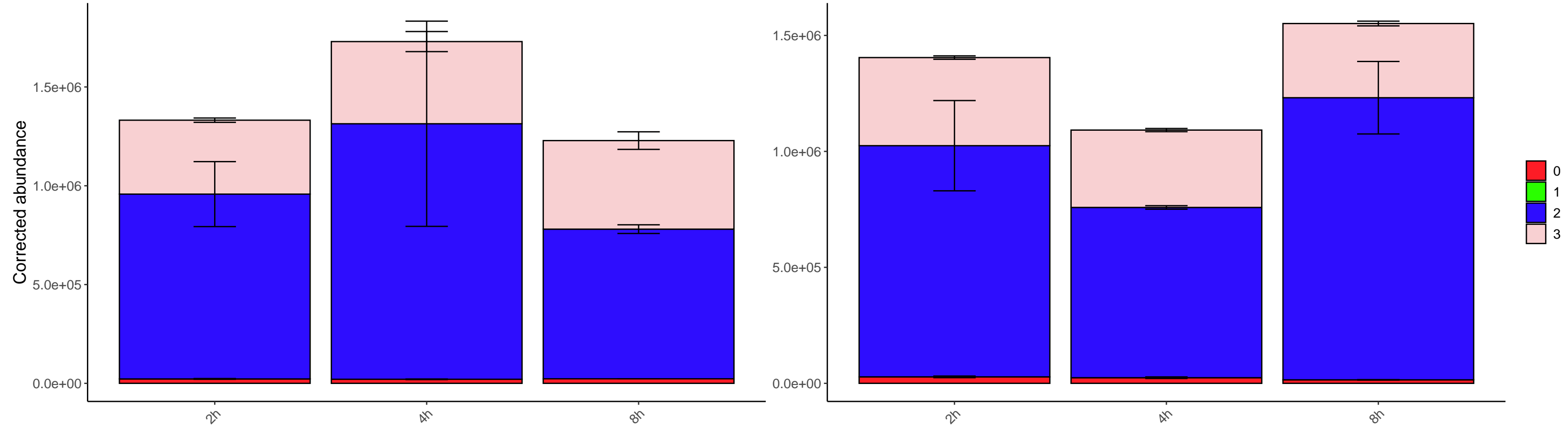
SA  
LPS853



# Phosphoenolpyruvic acid

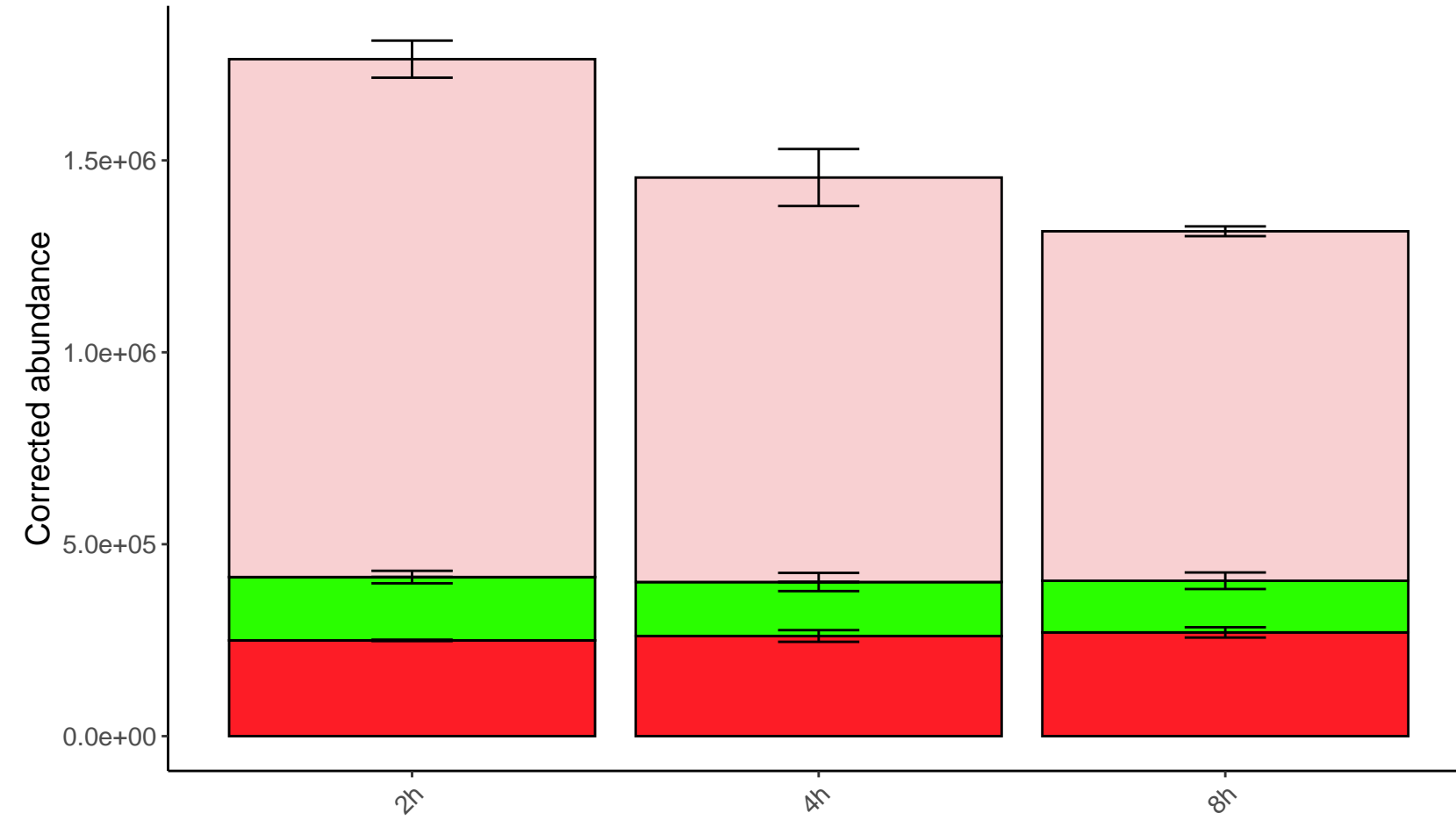
BSA  
LPS853

SA  
LPS853

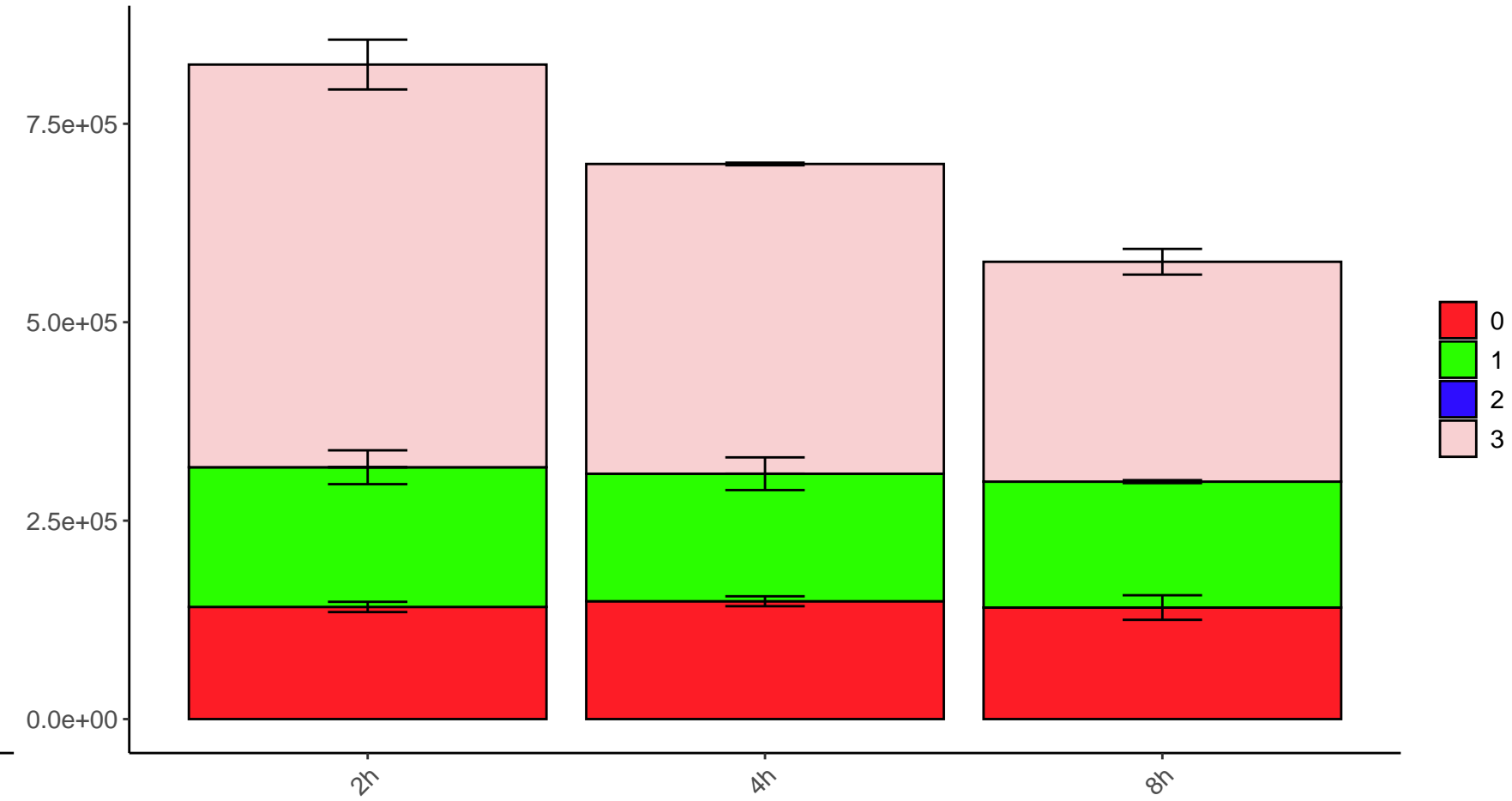


# Glycerol 3-phosphate

BSA  
LPS853

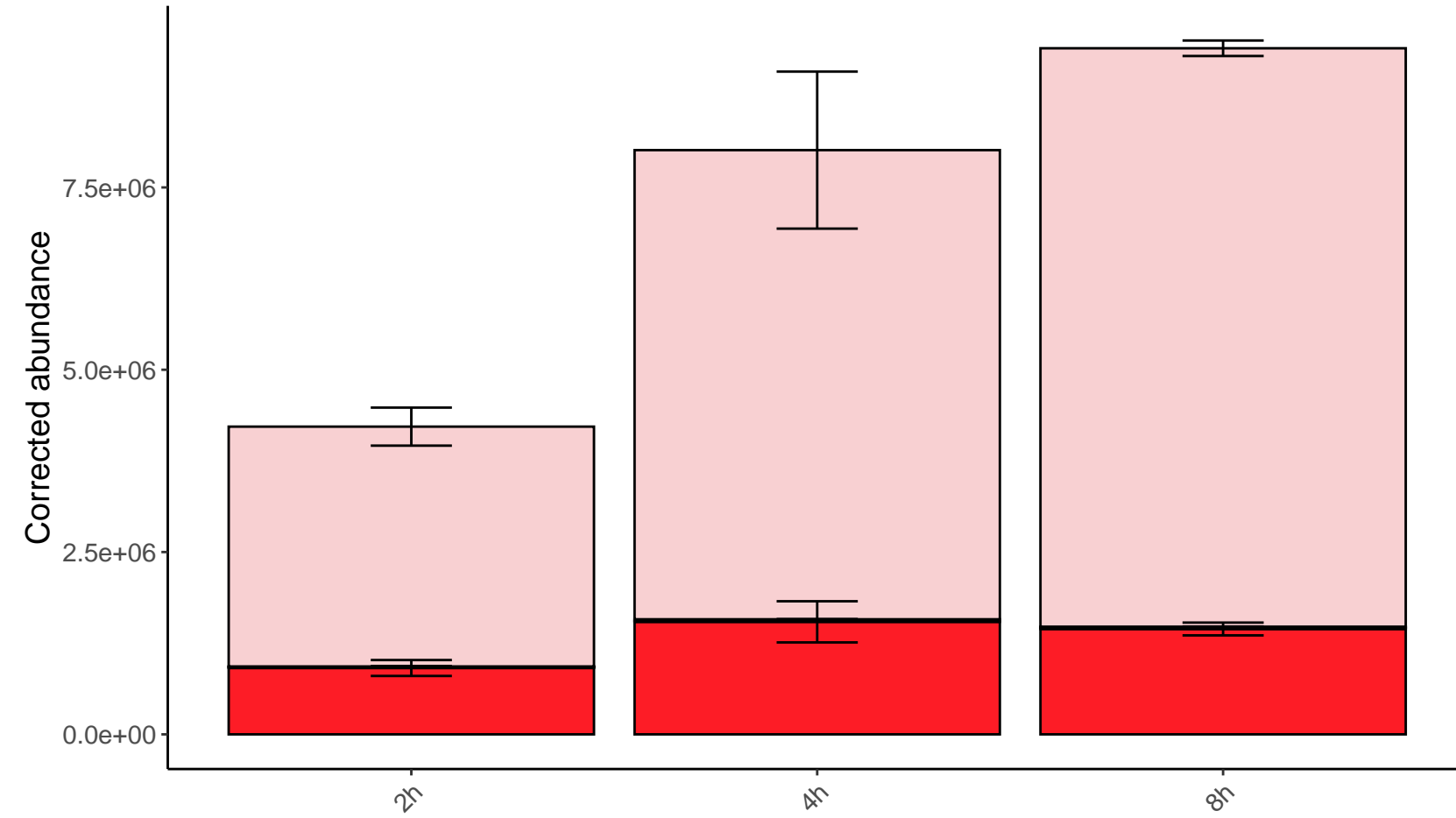


SA  
LPS853

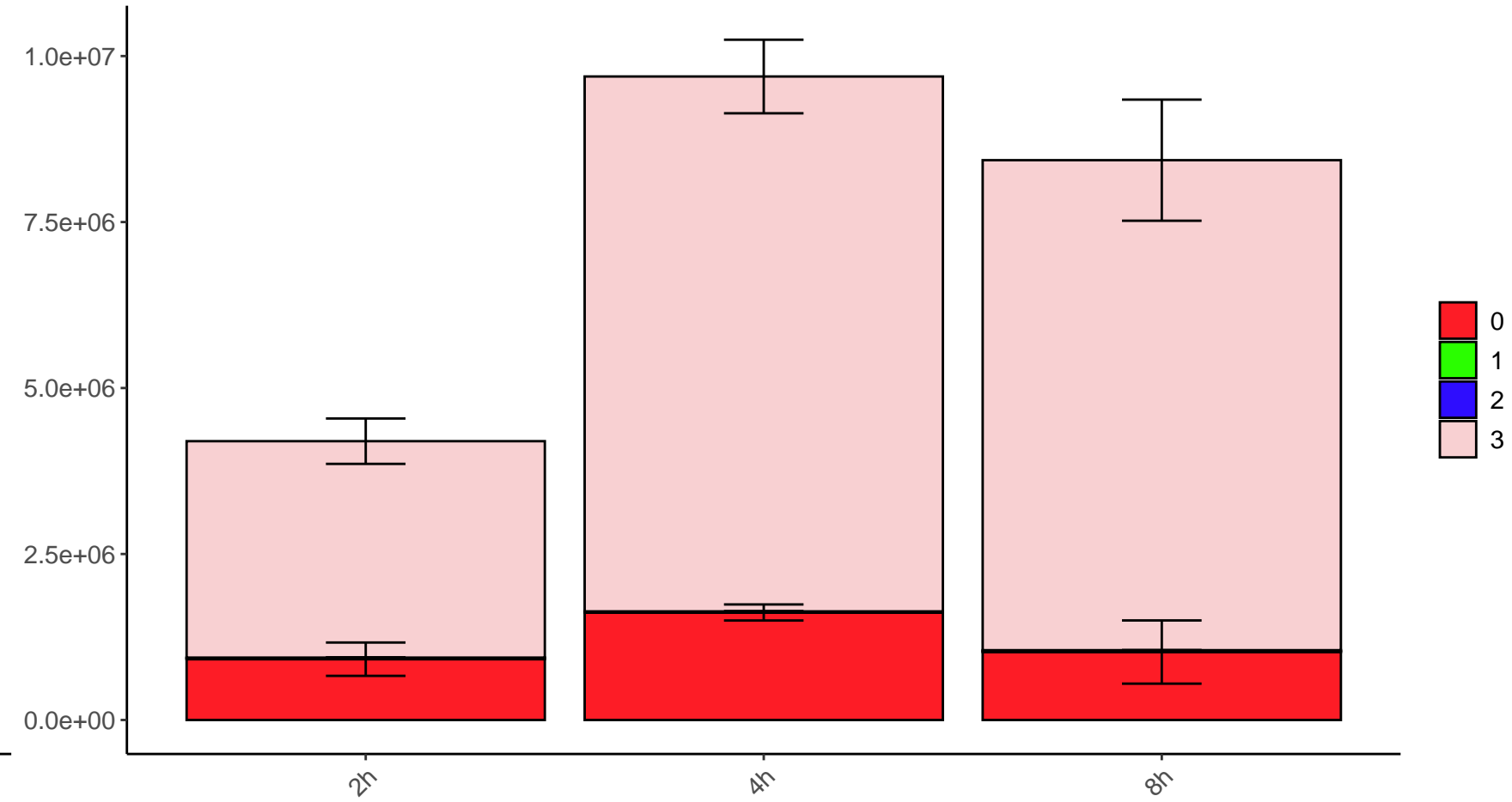


# Pyruvic acid

BSA  
LPS853



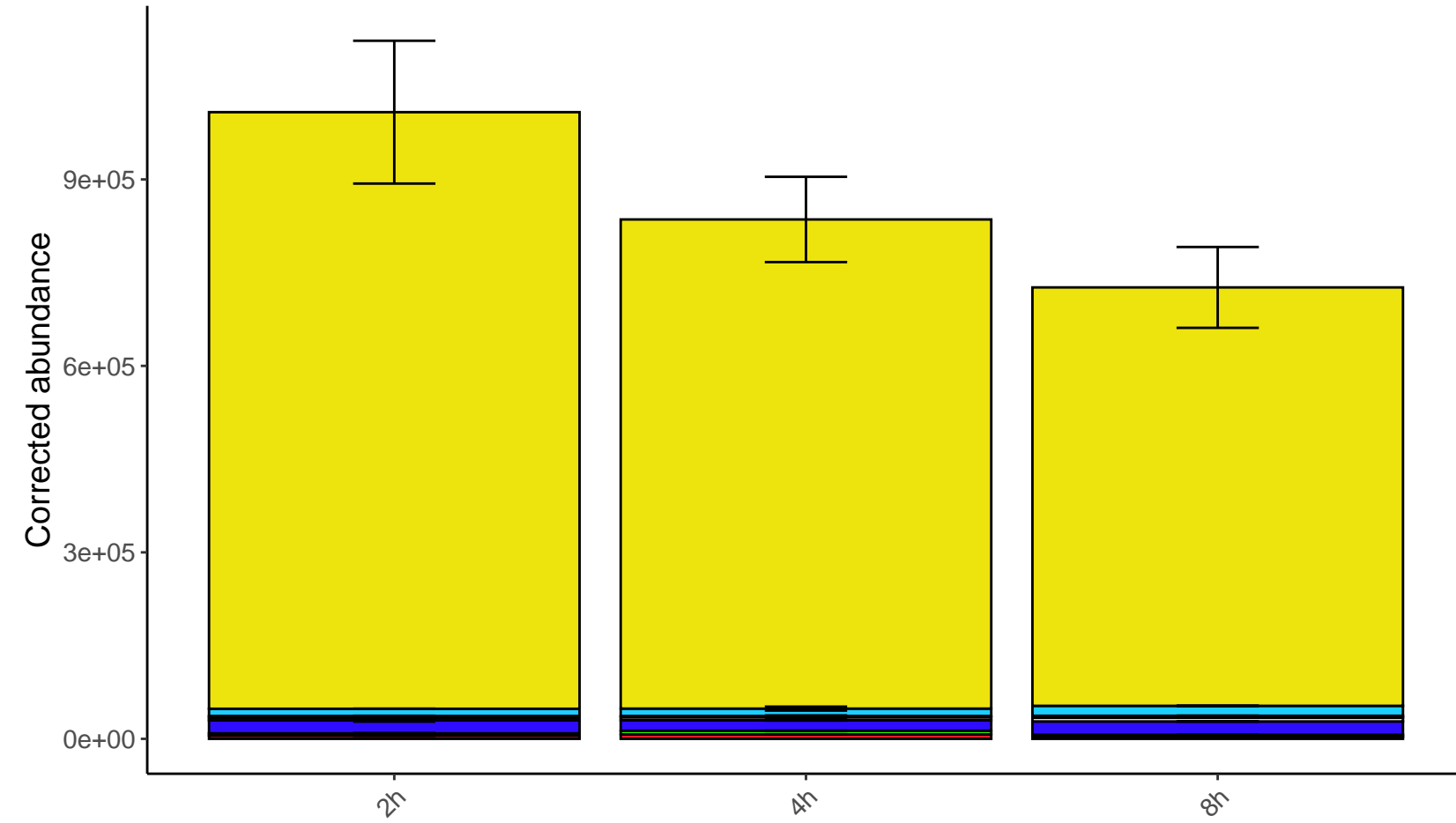
SA  
LPS853



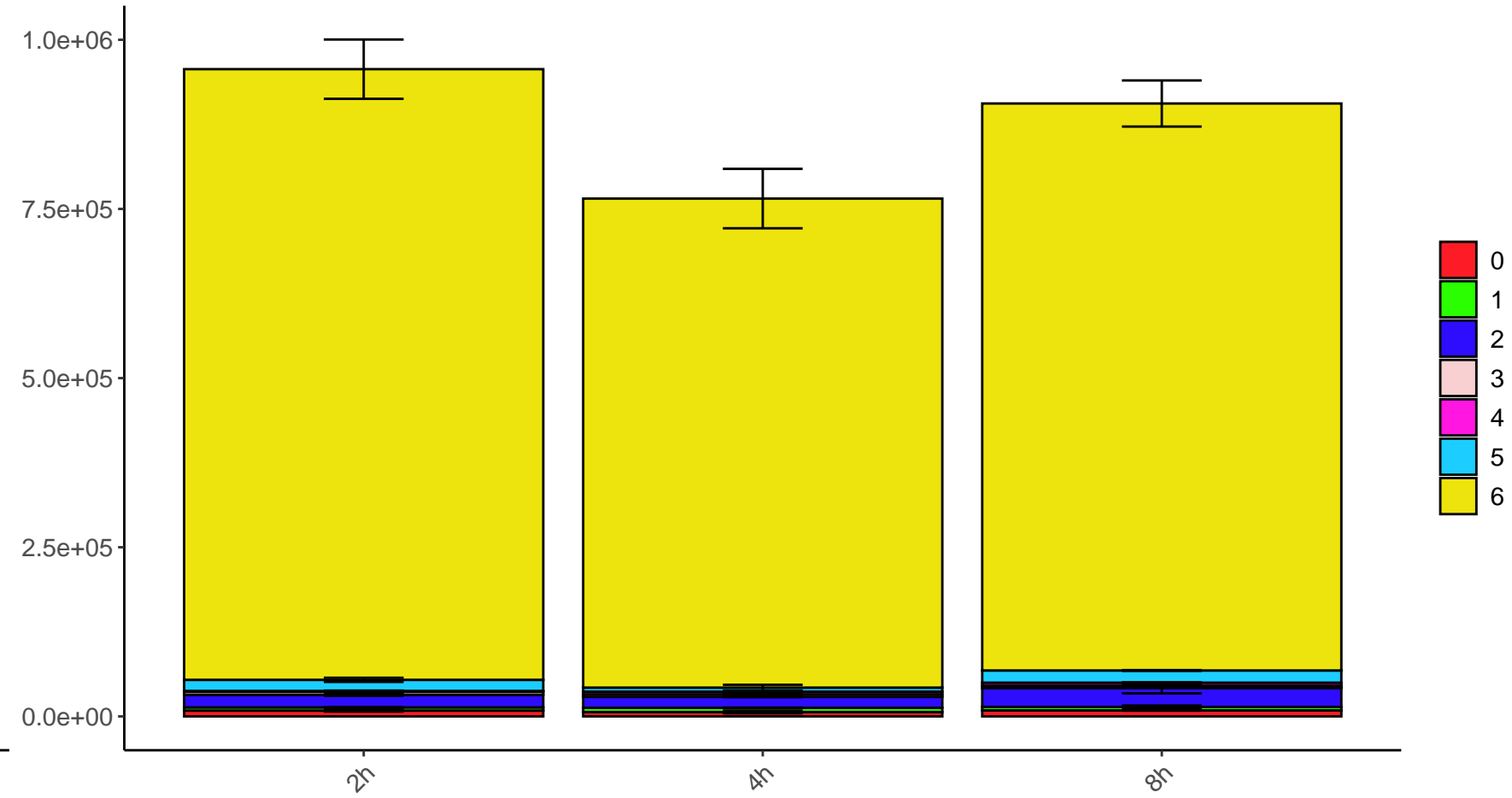


# Glucose

BSA  
LPS853



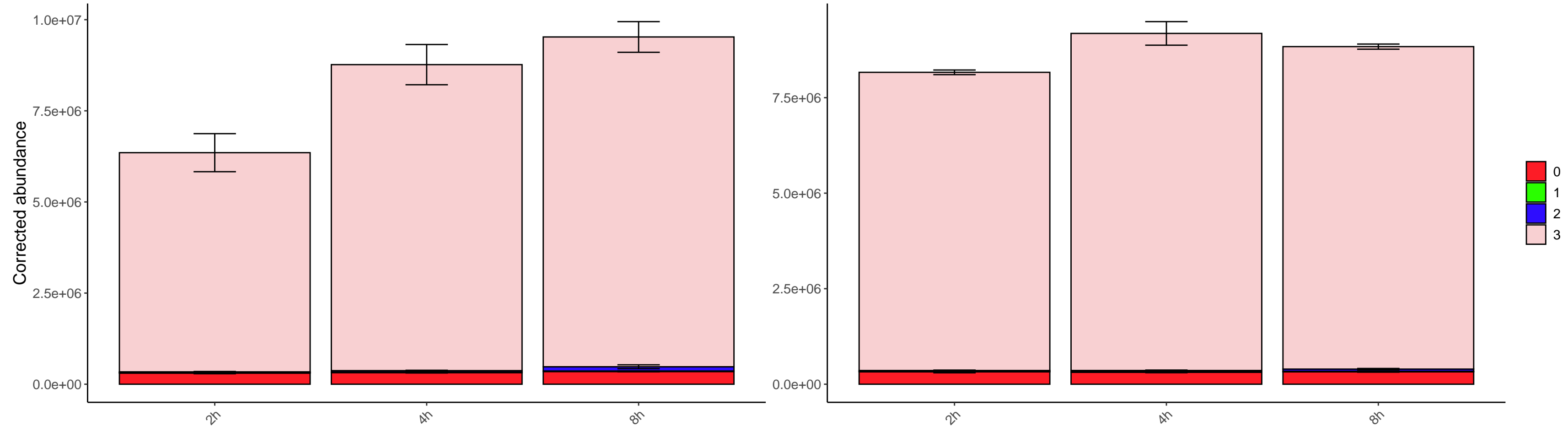
SA  
LPS853



# Glyceraldehyde 3-phosphate

BSA  
LPS853

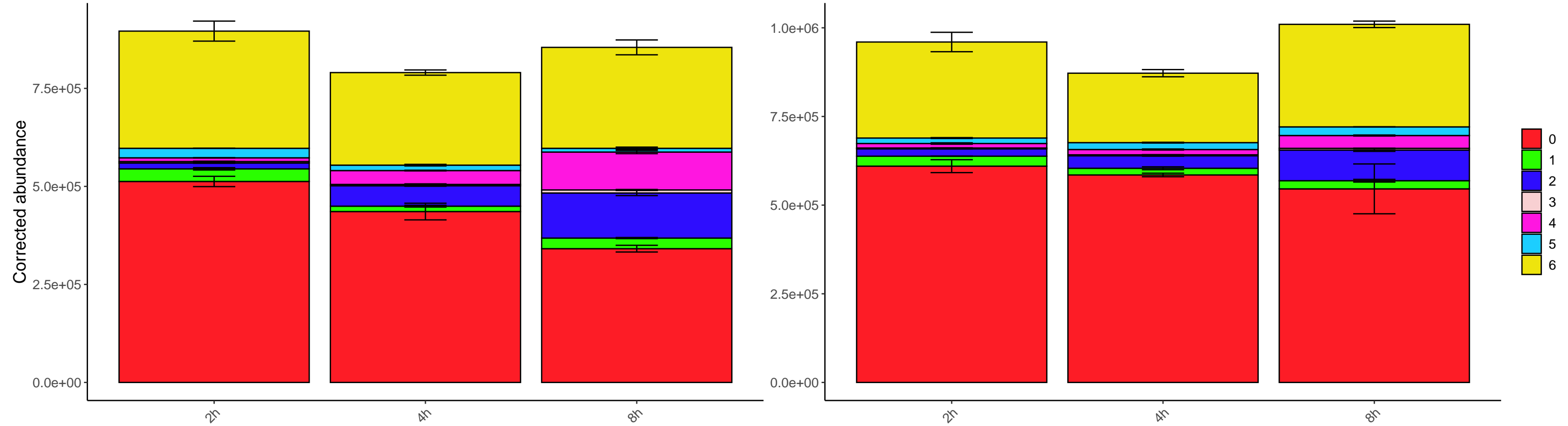
SA  
LPS853



### 3-Hydroxymethylglutaric acid

BSA  
LPS853

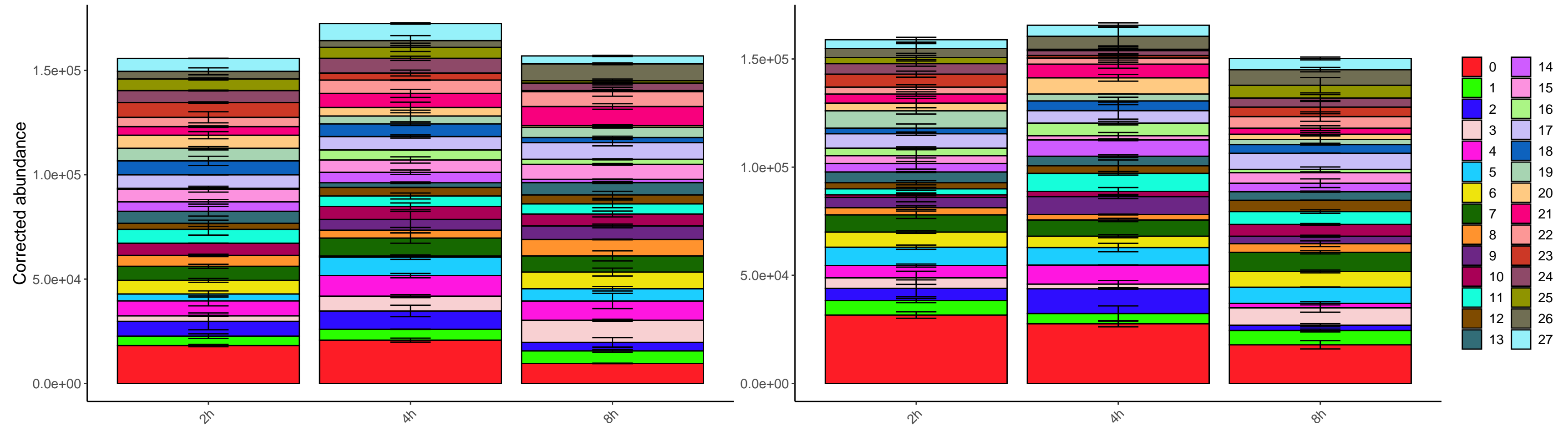
SA  
LPS853



# 3-Hydroxy-3-methylglutaryl coenzyme A

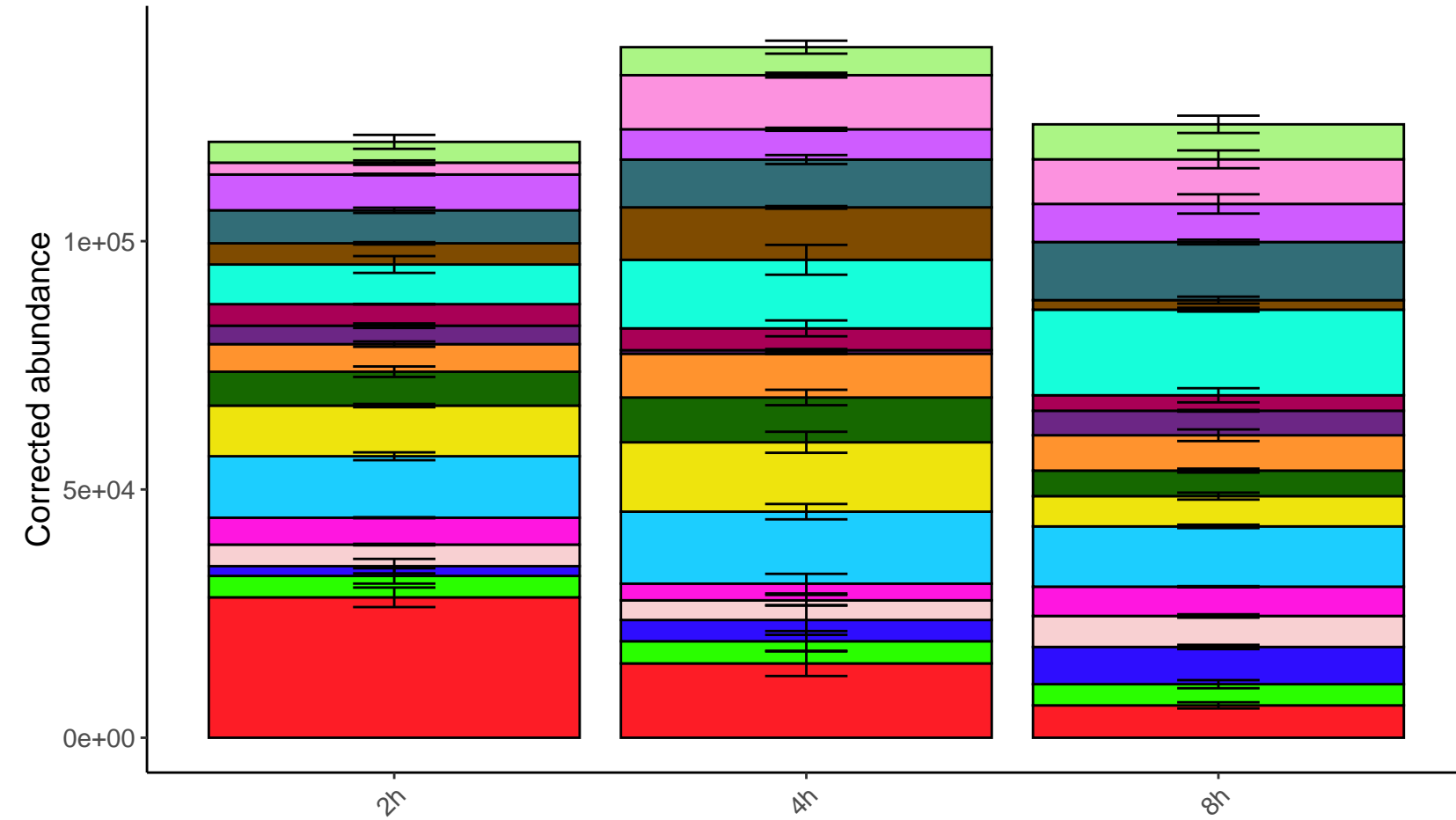
BSA  
LPS853

SA  
LPS853

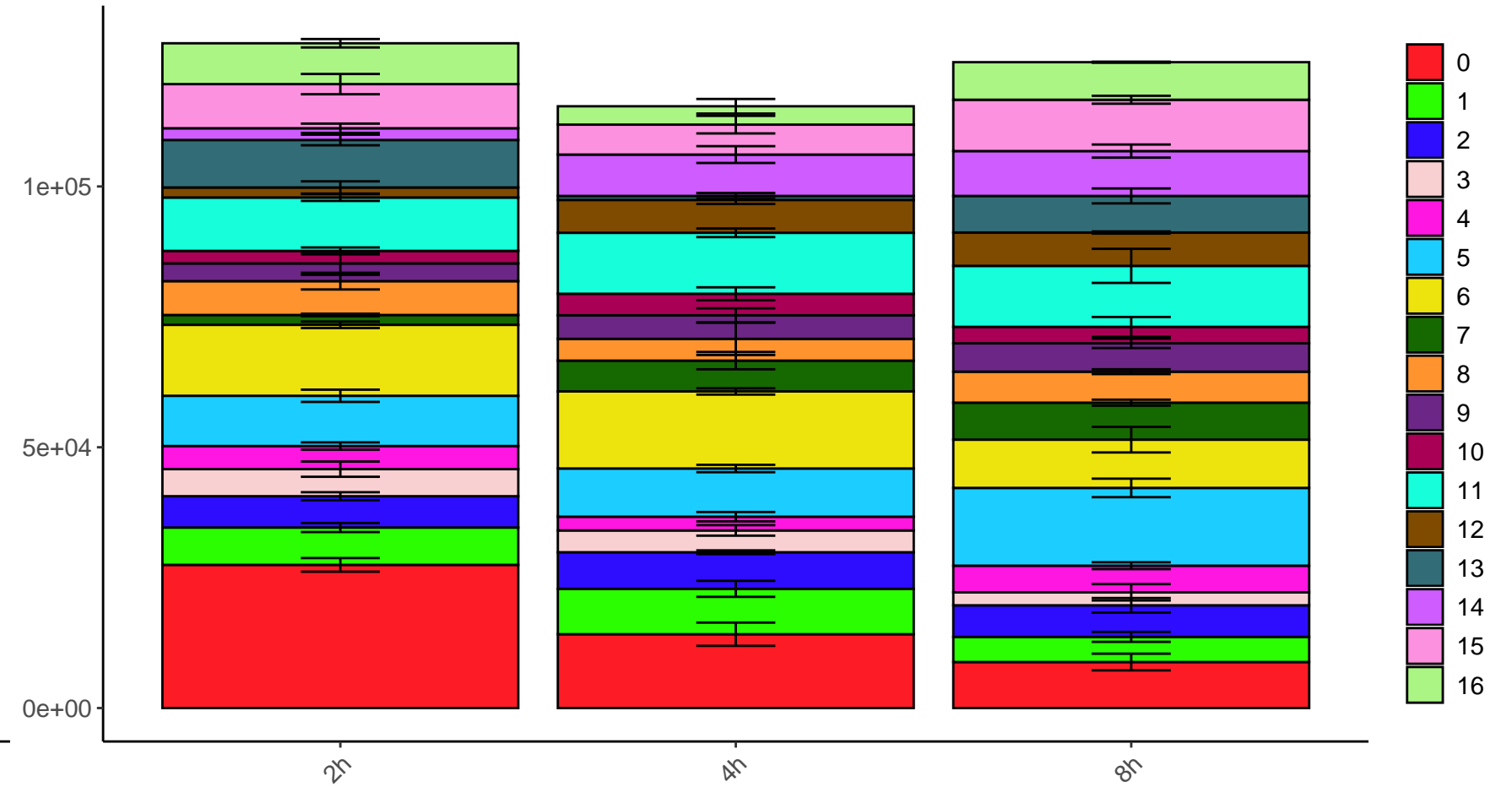


# Thymidine diphosphate glucose

BSA  
LPS853

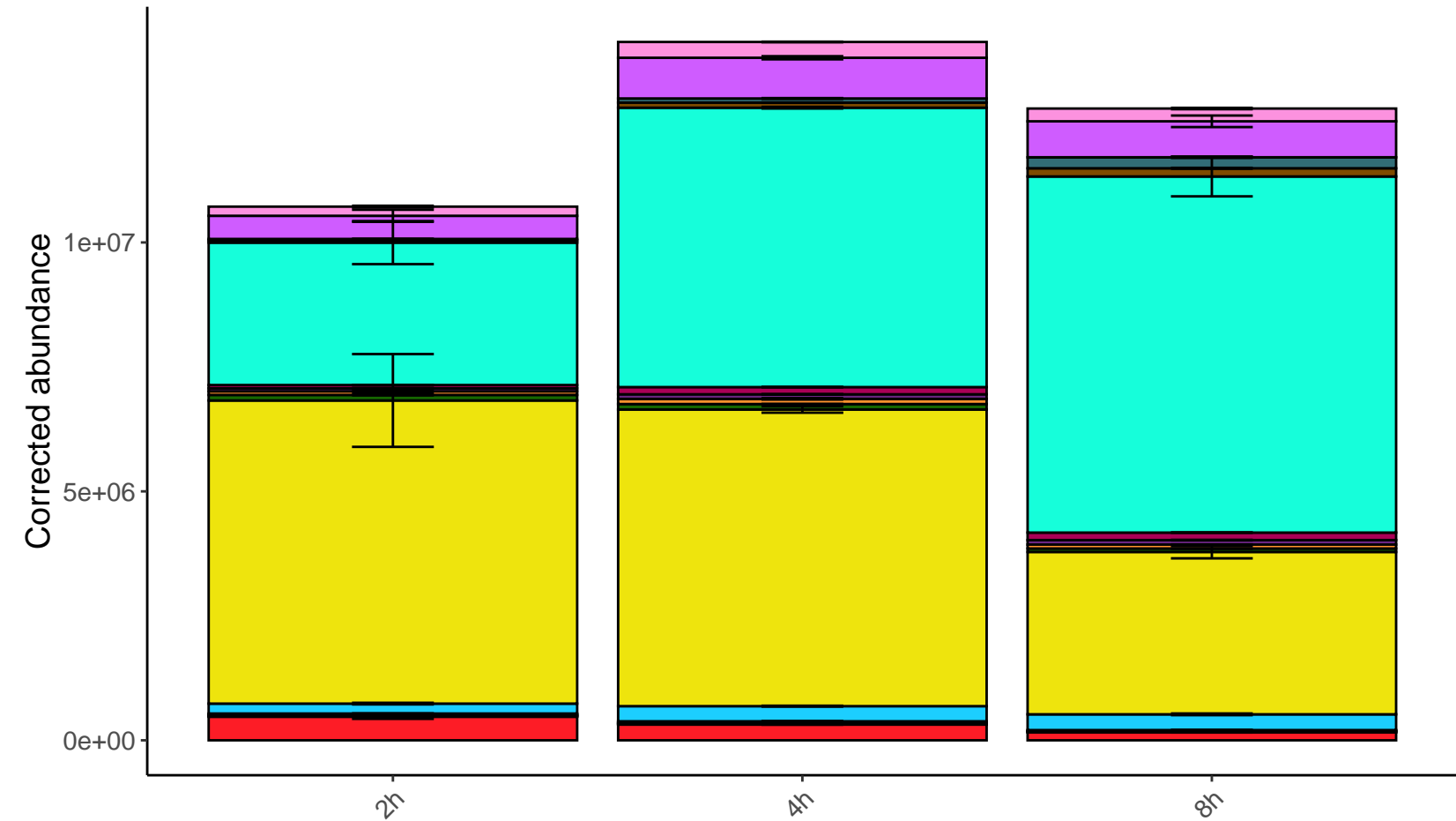


SA  
LPS853

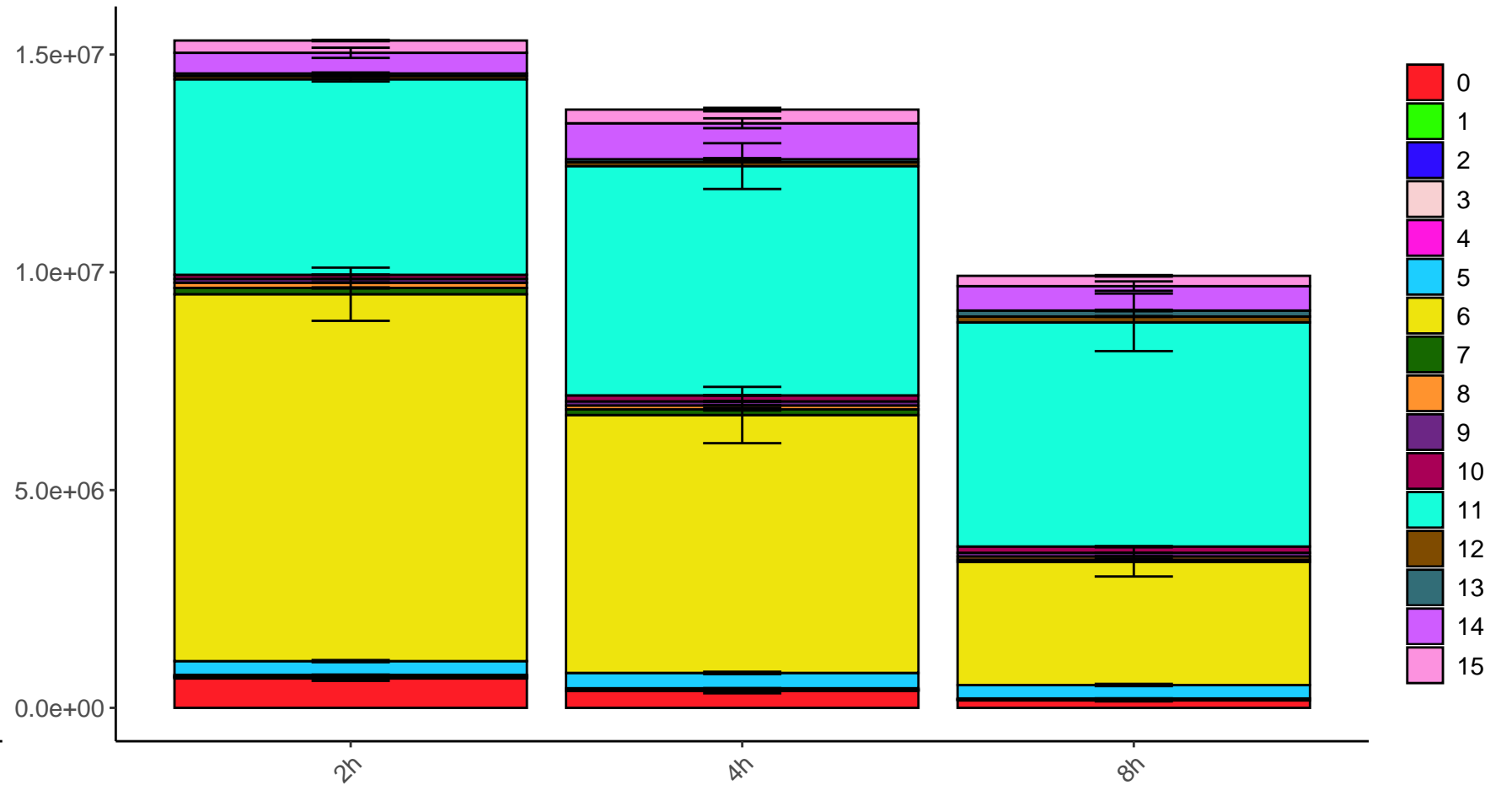


# Uridine diphosphate glucose

BSA  
LPS853



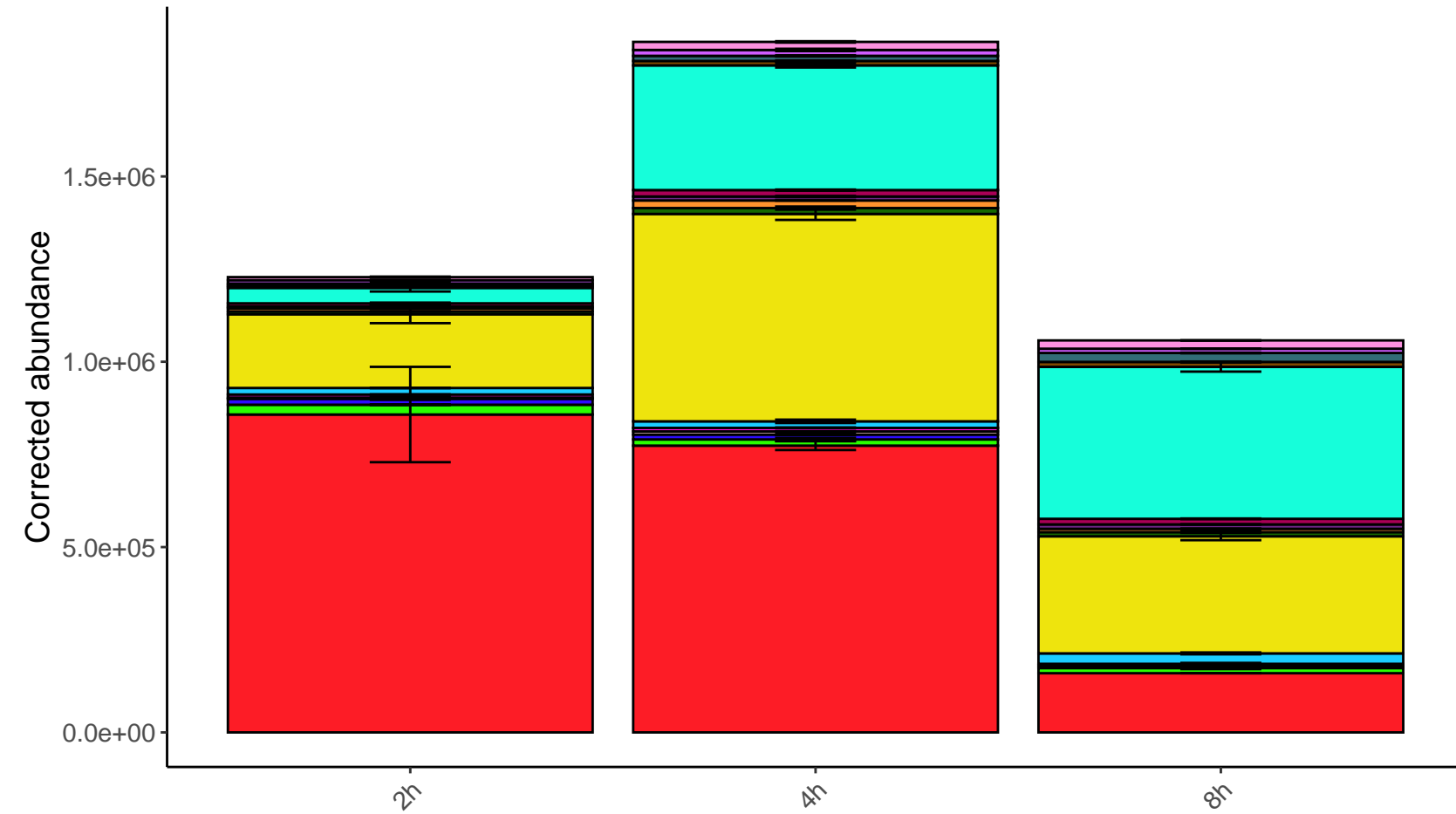
SA  
LPS853



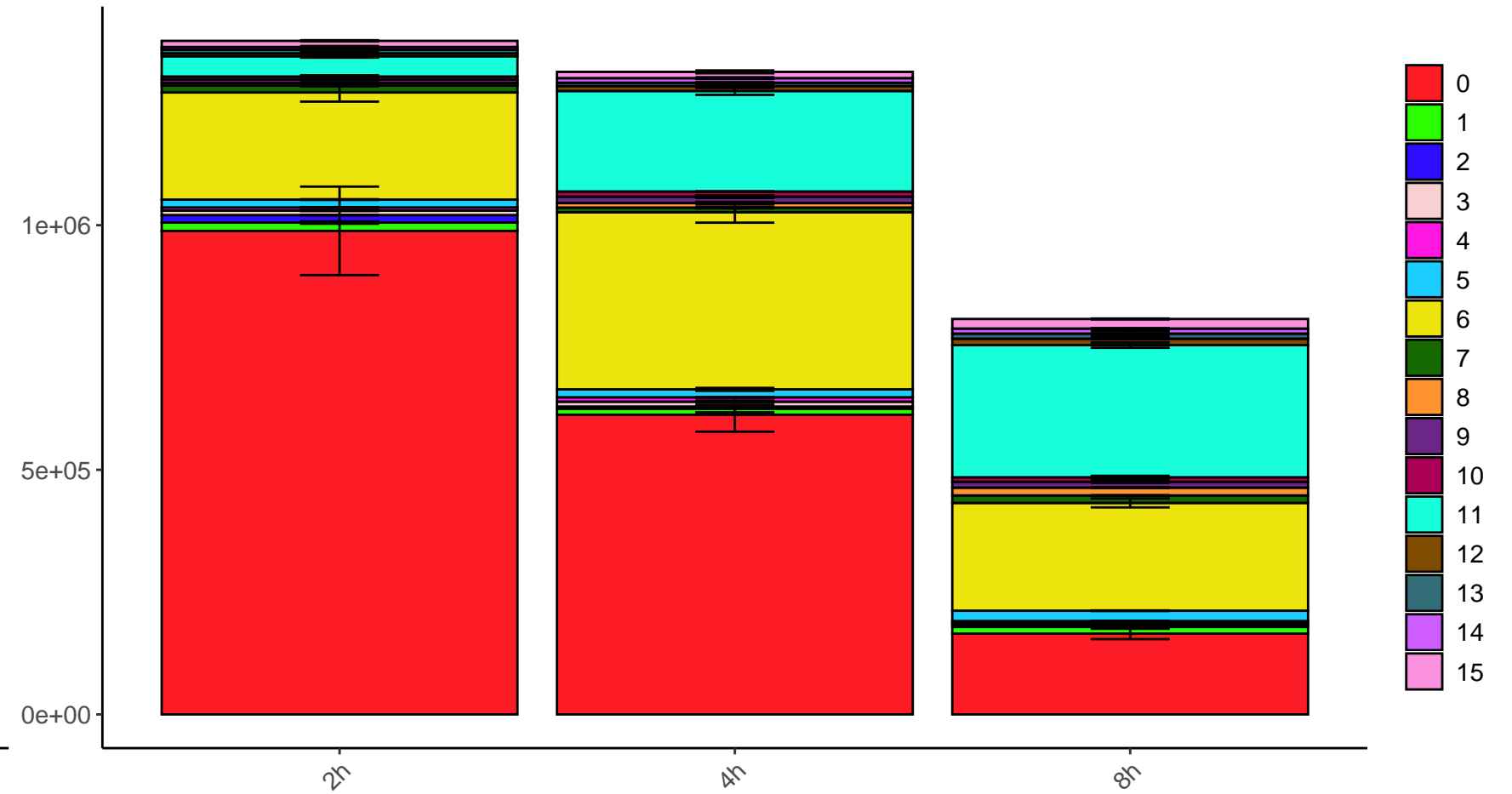


# Uridine diphosphate glucuronic acid

BSA  
LPS853



SA  
LPS853

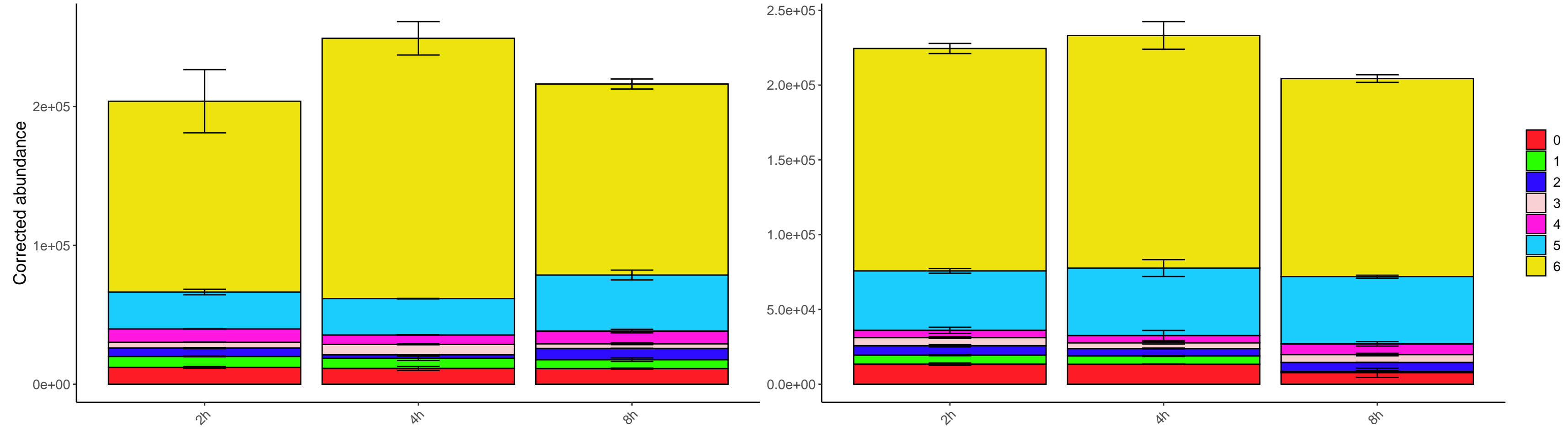




# 6-Phosphogluconic acid

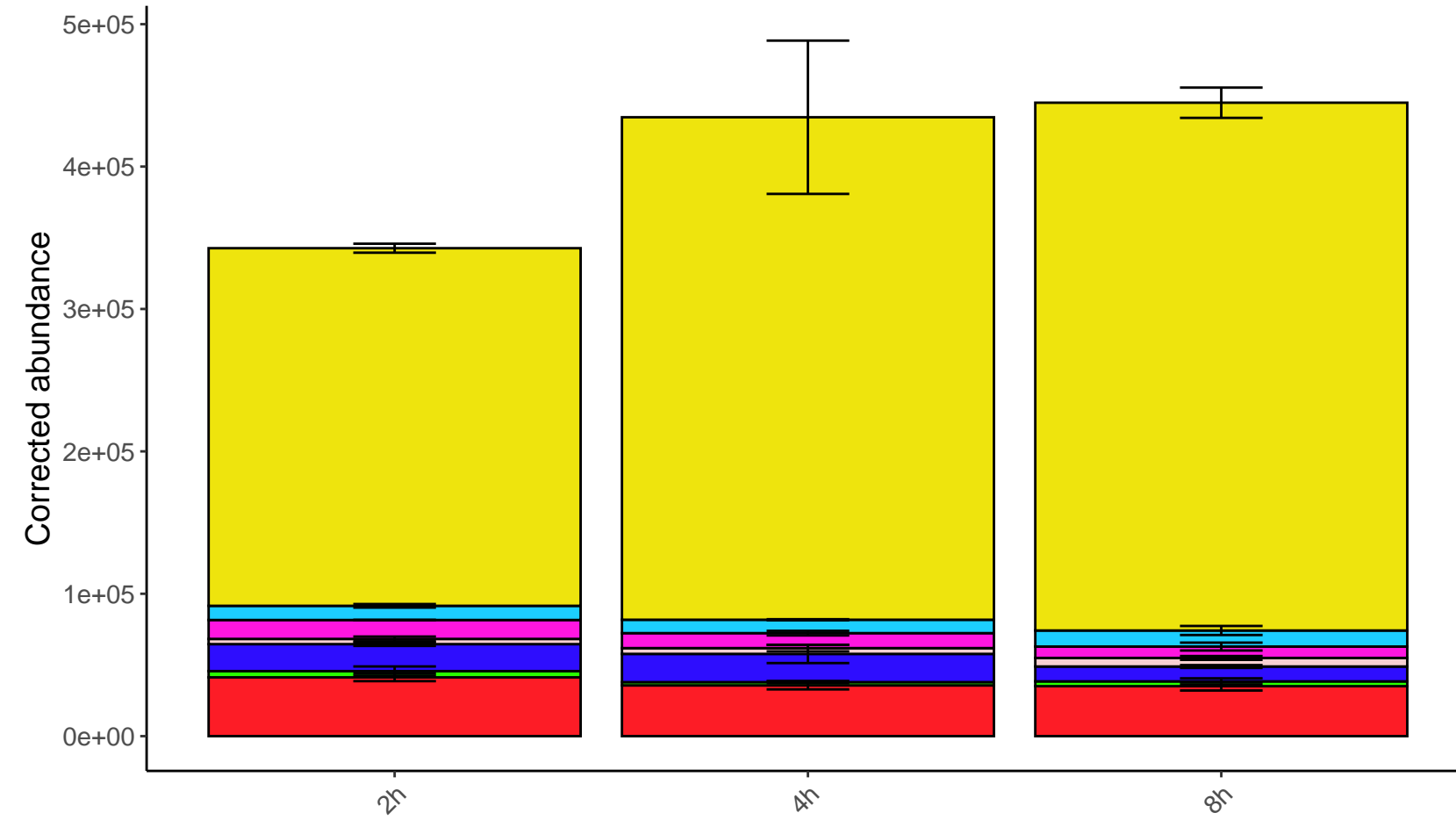
BSA  
LPS853

SA  
LPS853

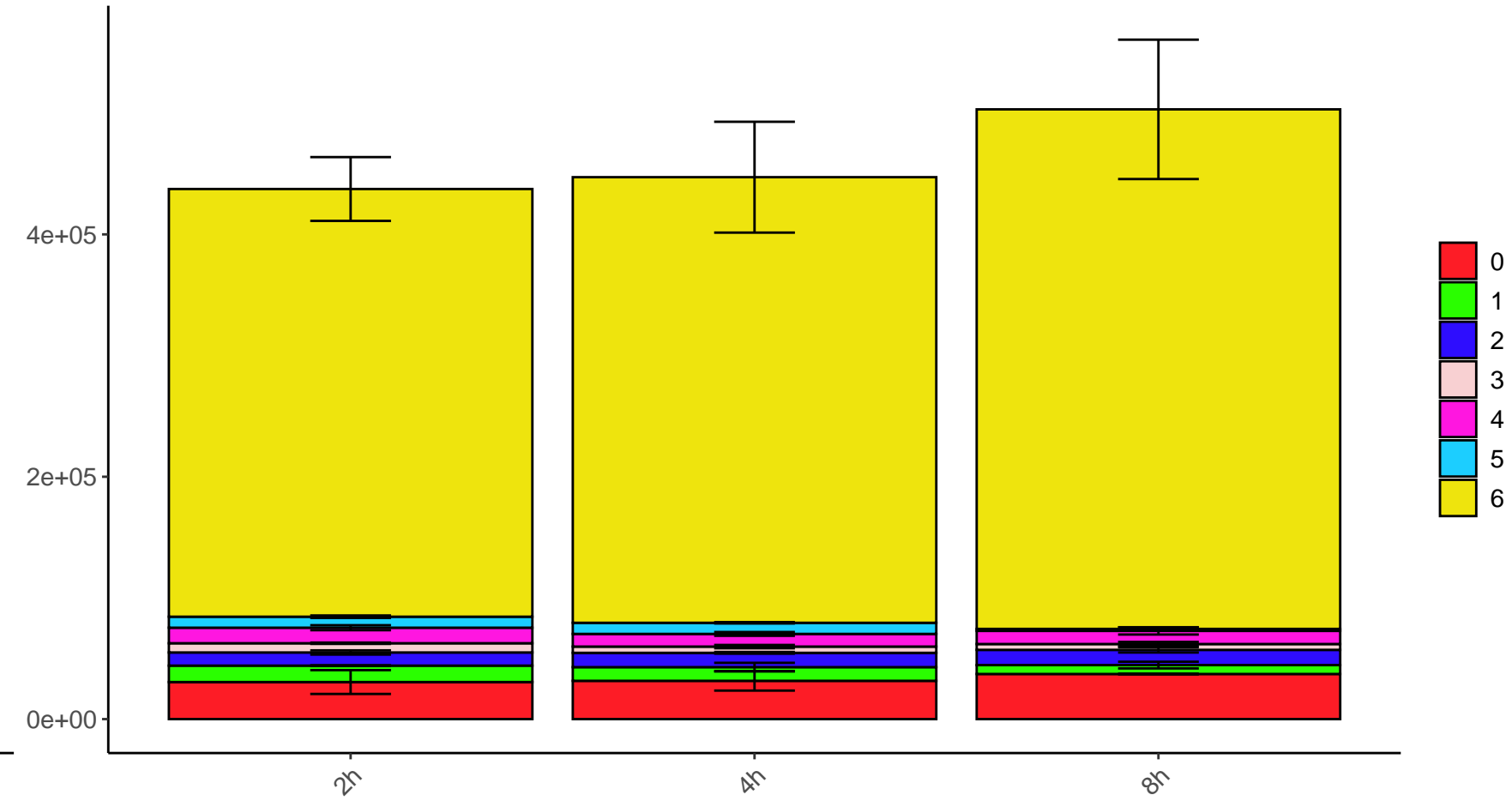


# Fructose 6-phosphate

BSA  
LPS853

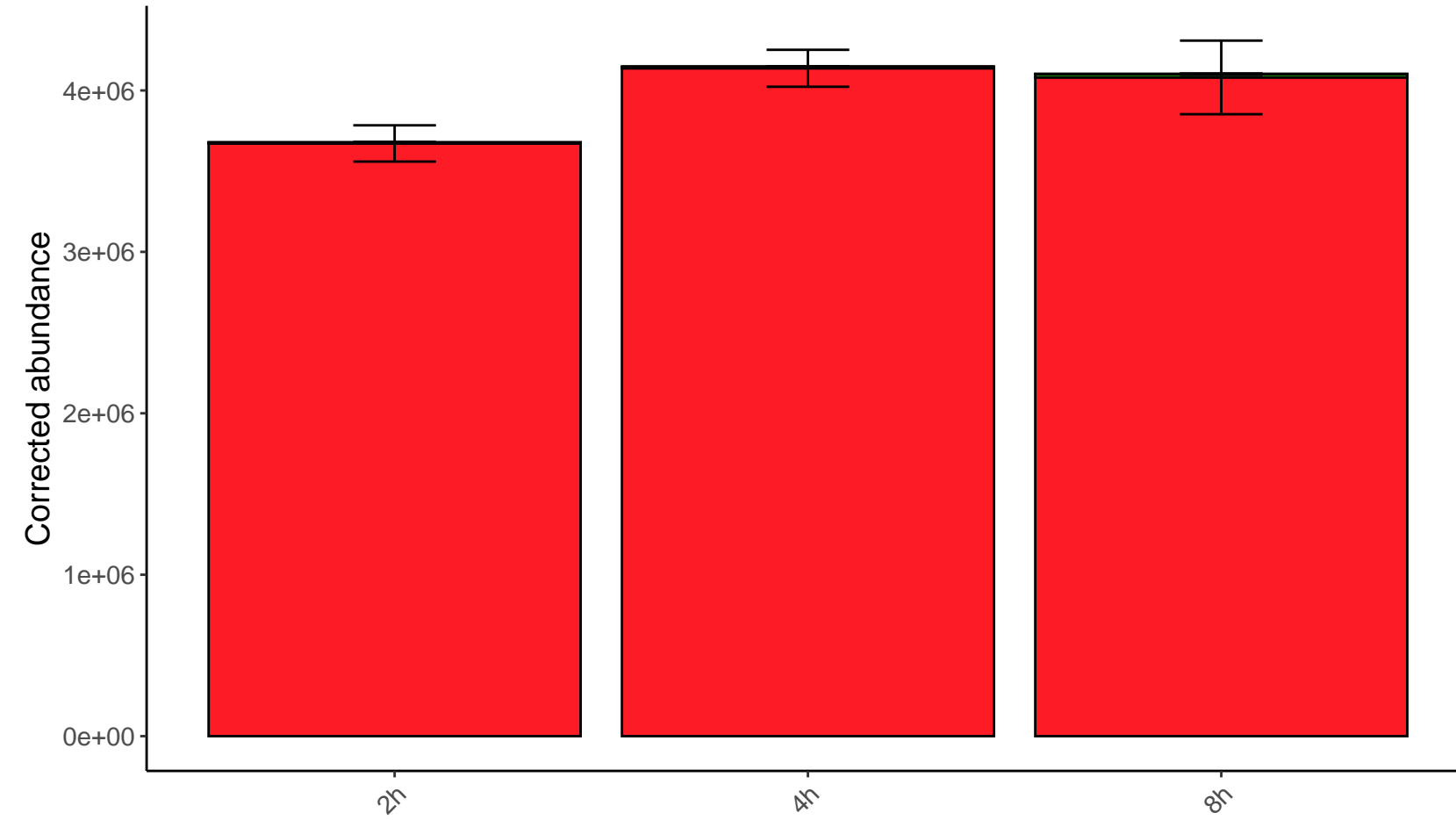


SA  
LPS853

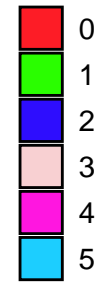
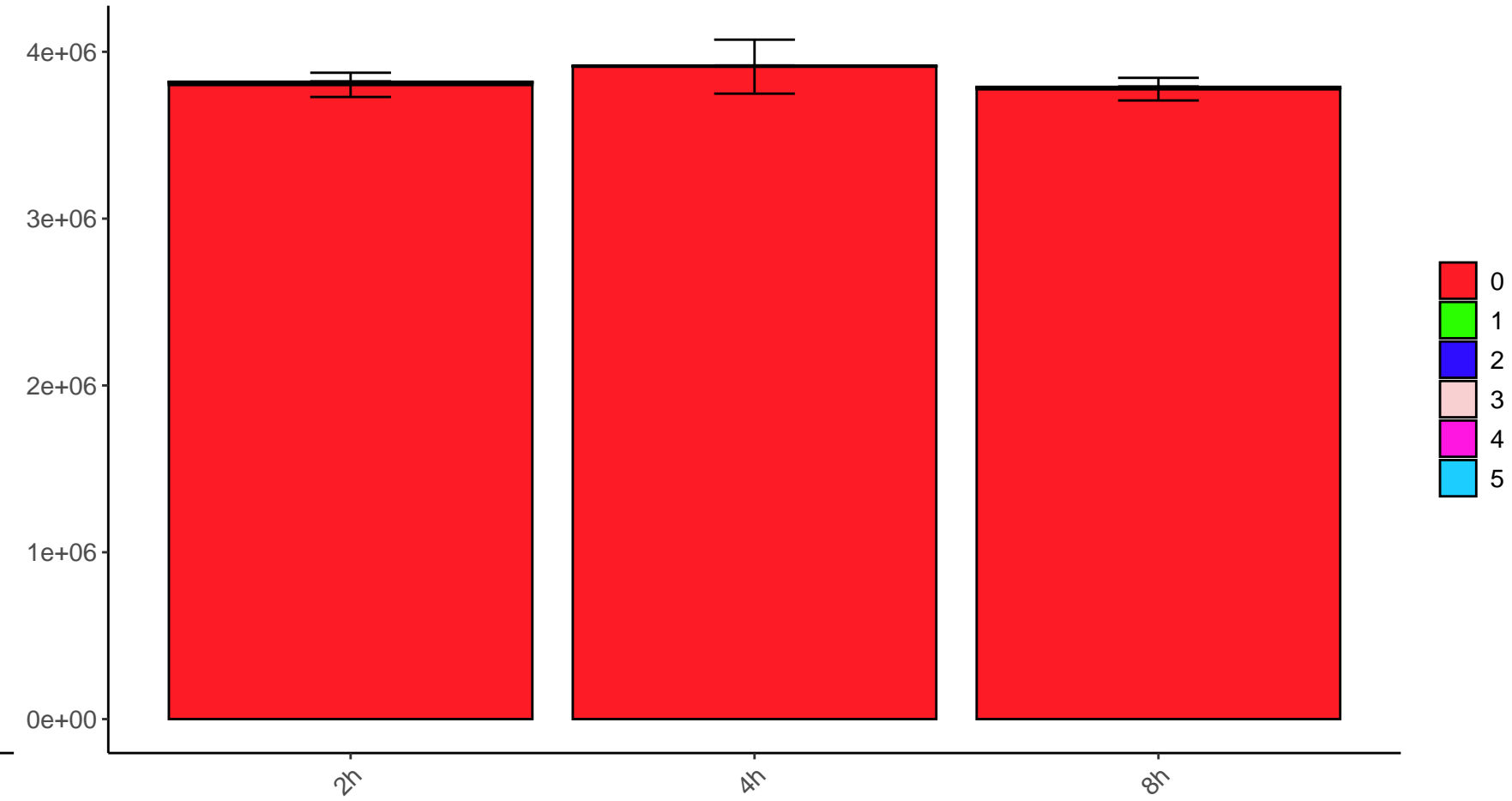


# Phosphorylcholine

BSA  
LPS853



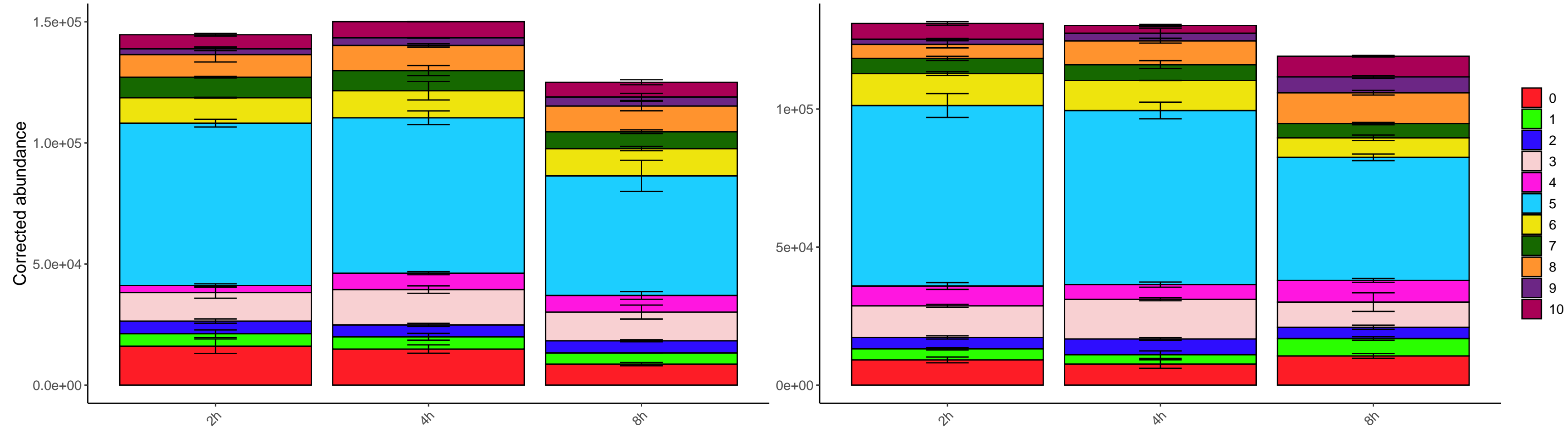
SA  
LPS853



# Inosine monophosphate

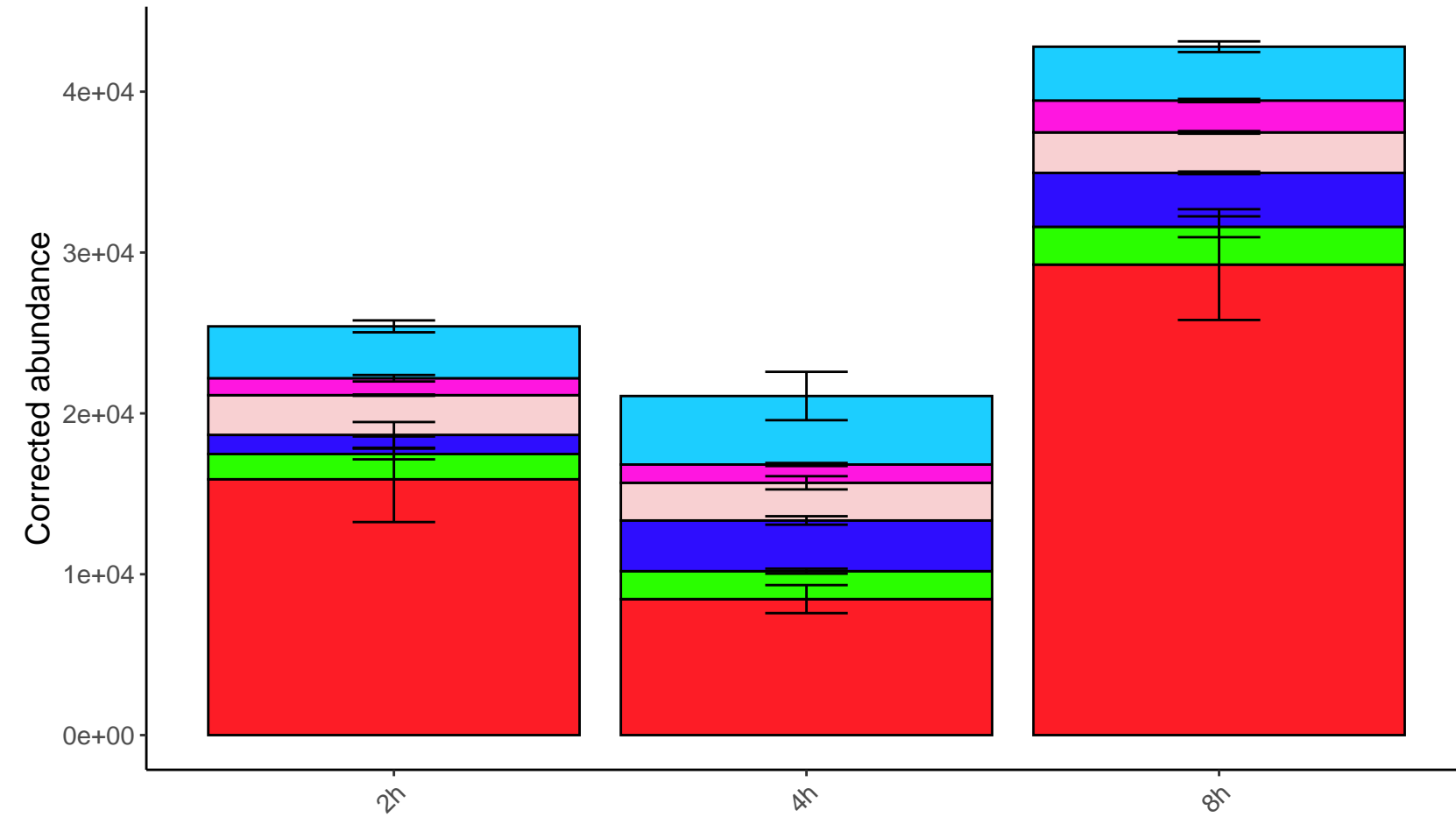
BSA  
LPS853

SA  
LPS853

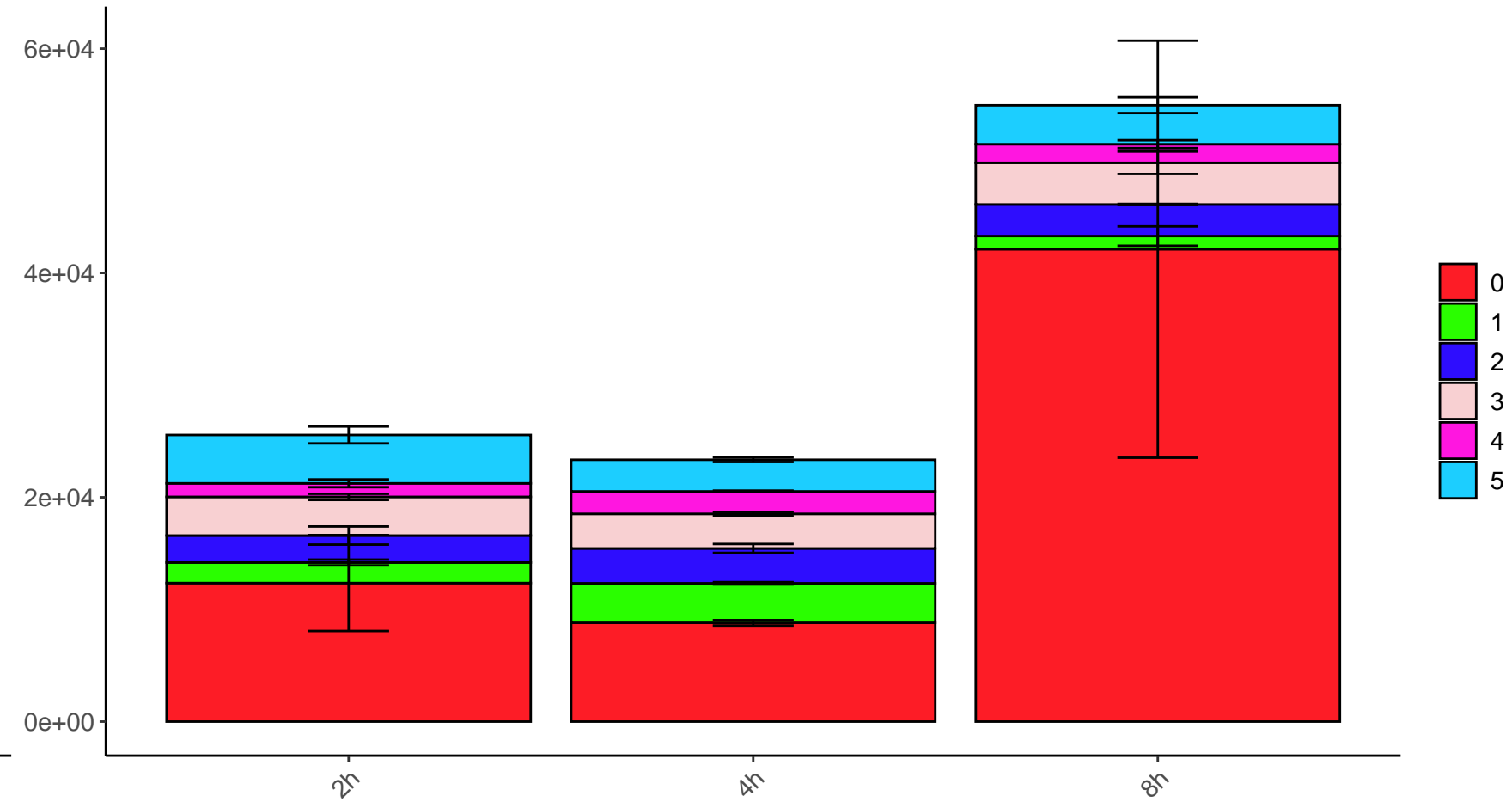


# Uric acid

BSA  
LPS853



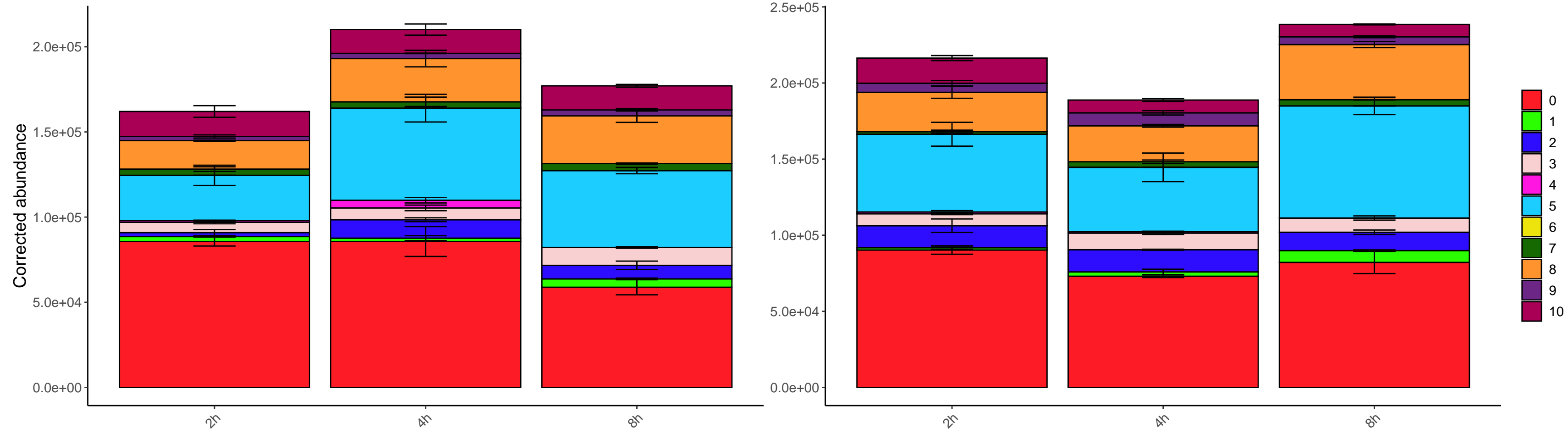
SA  
LPS853



# Inosine

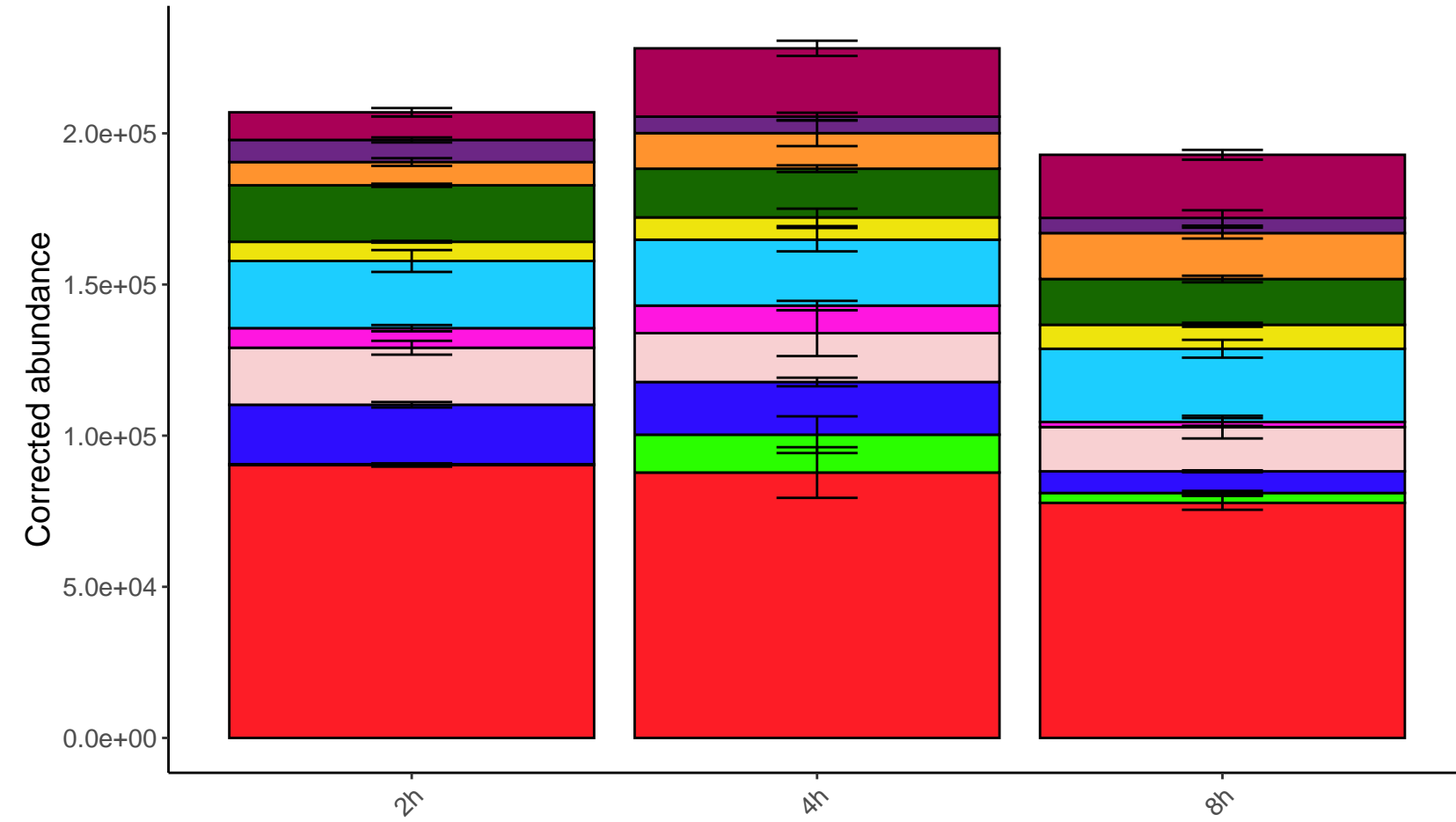
BSA  
LPS853

SA  
LPS853

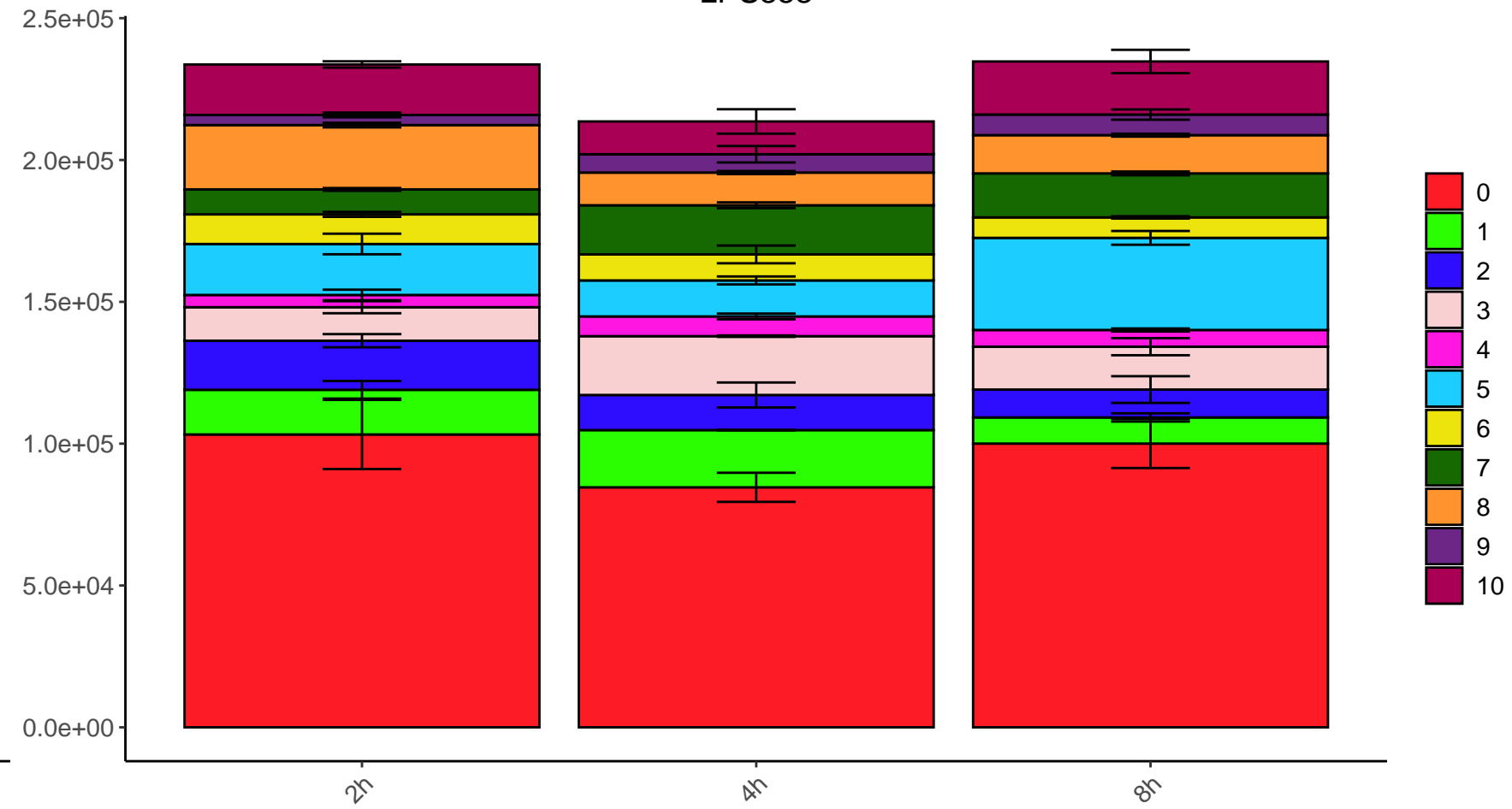


# Guanosine

BSA  
LPS853



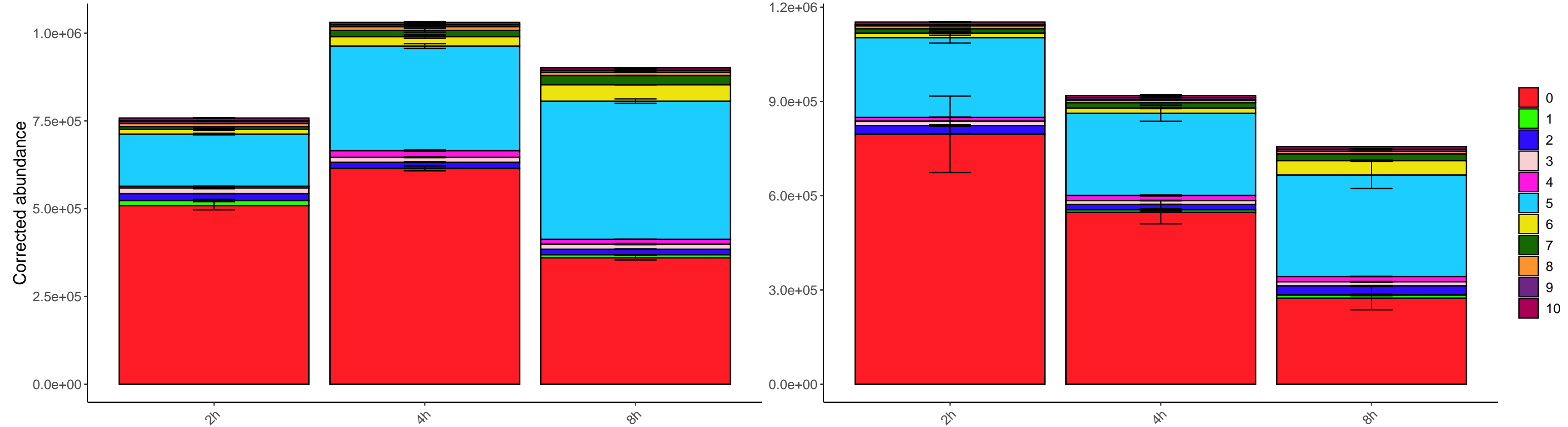
SA  
LPS853



# Adenosine diphosphate

BSA  
LPS853

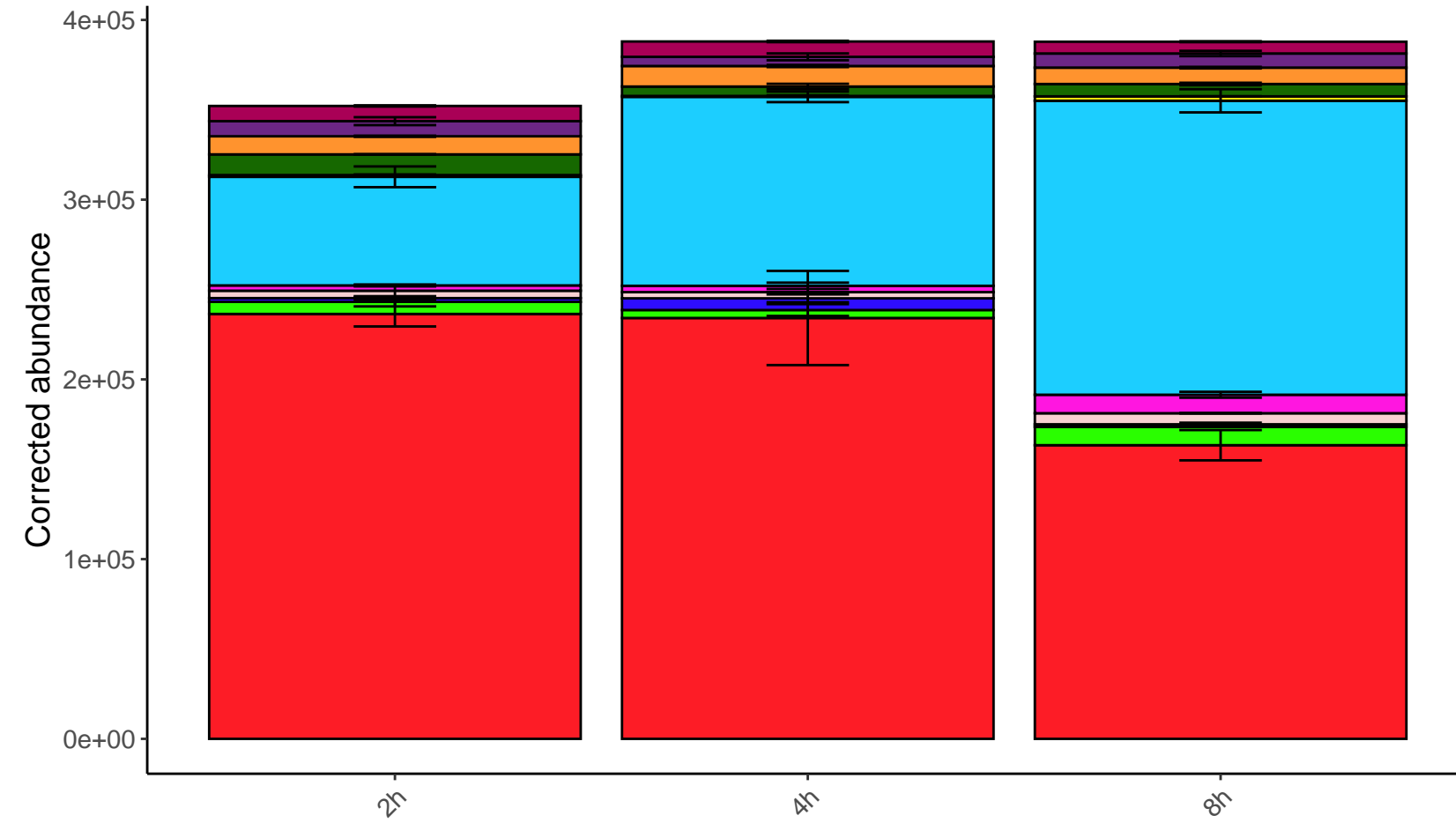
SA  
LPS853



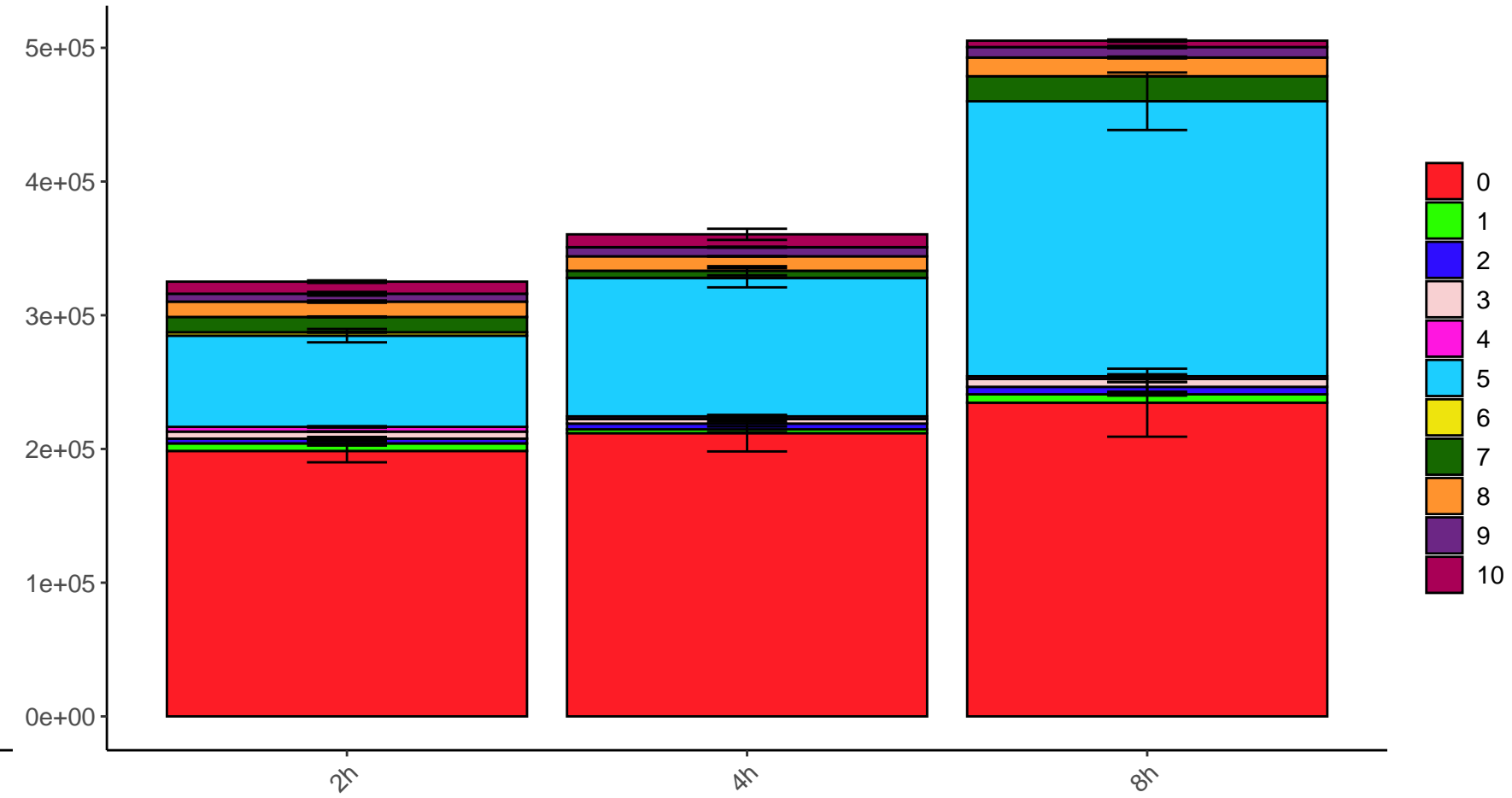


# Adenosine monophosphate

BSA  
LPS853

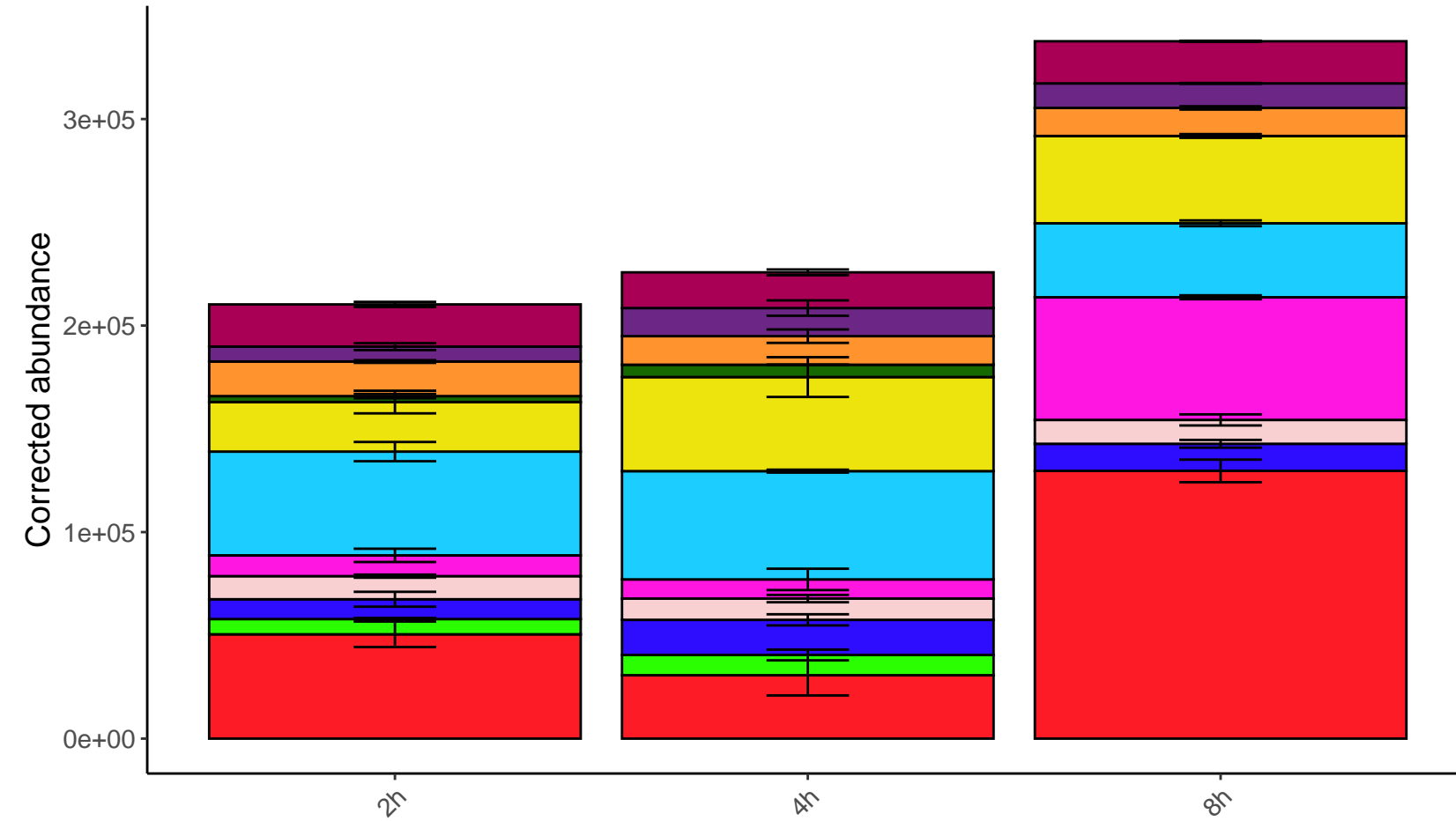


SA  
LPS853

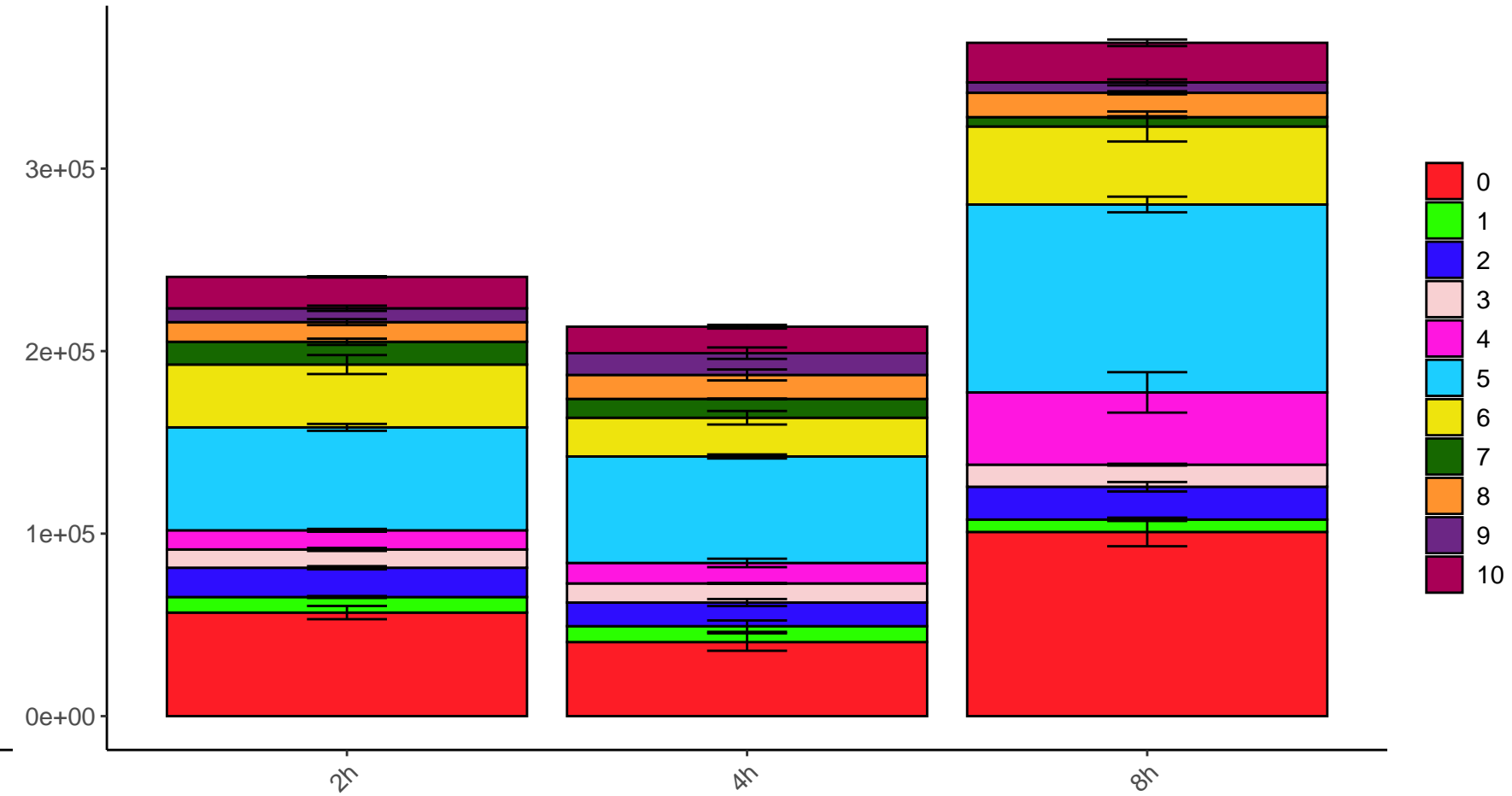


# Xanthosine

BSA  
LPS853

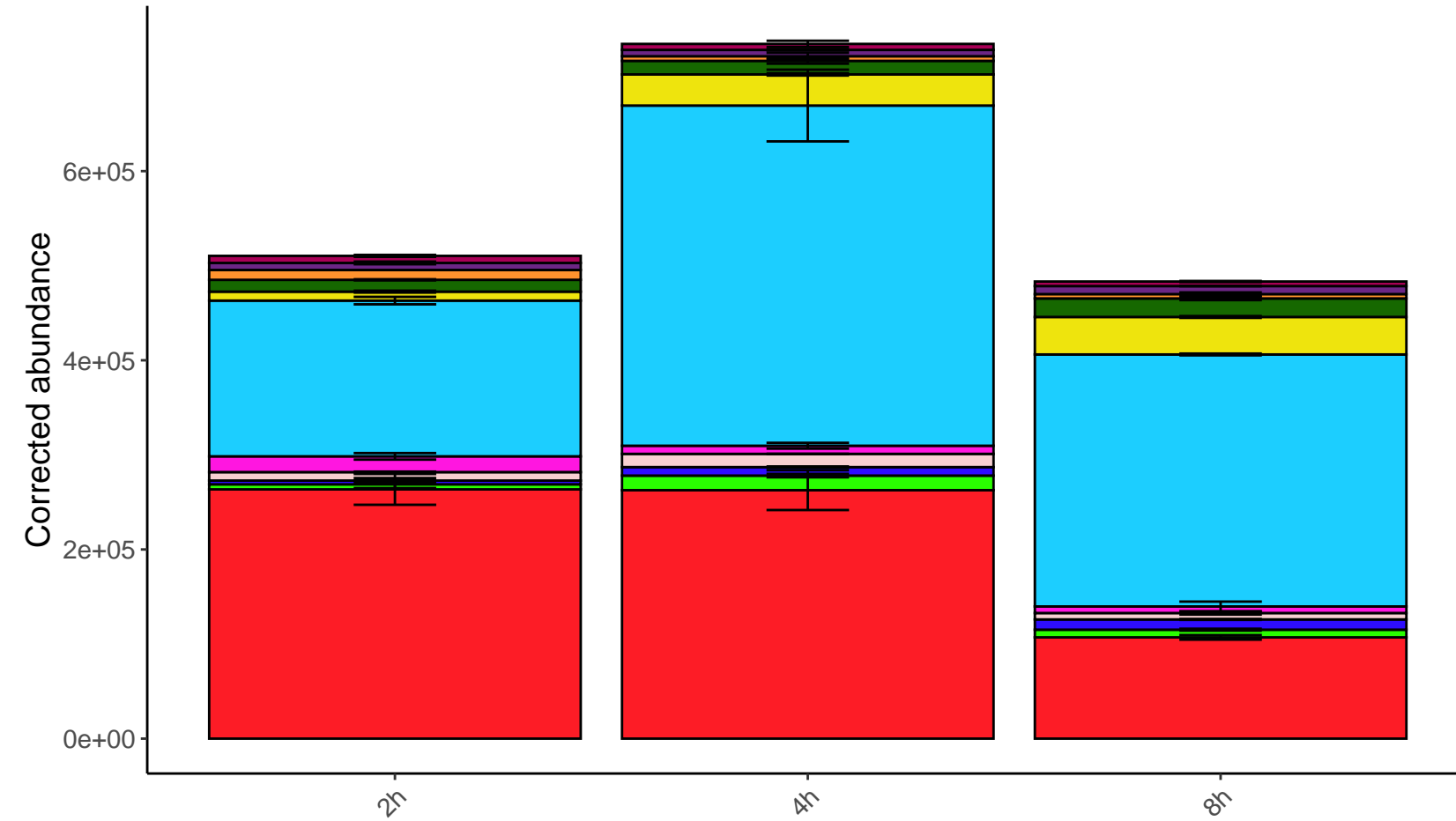


SA  
LPS853

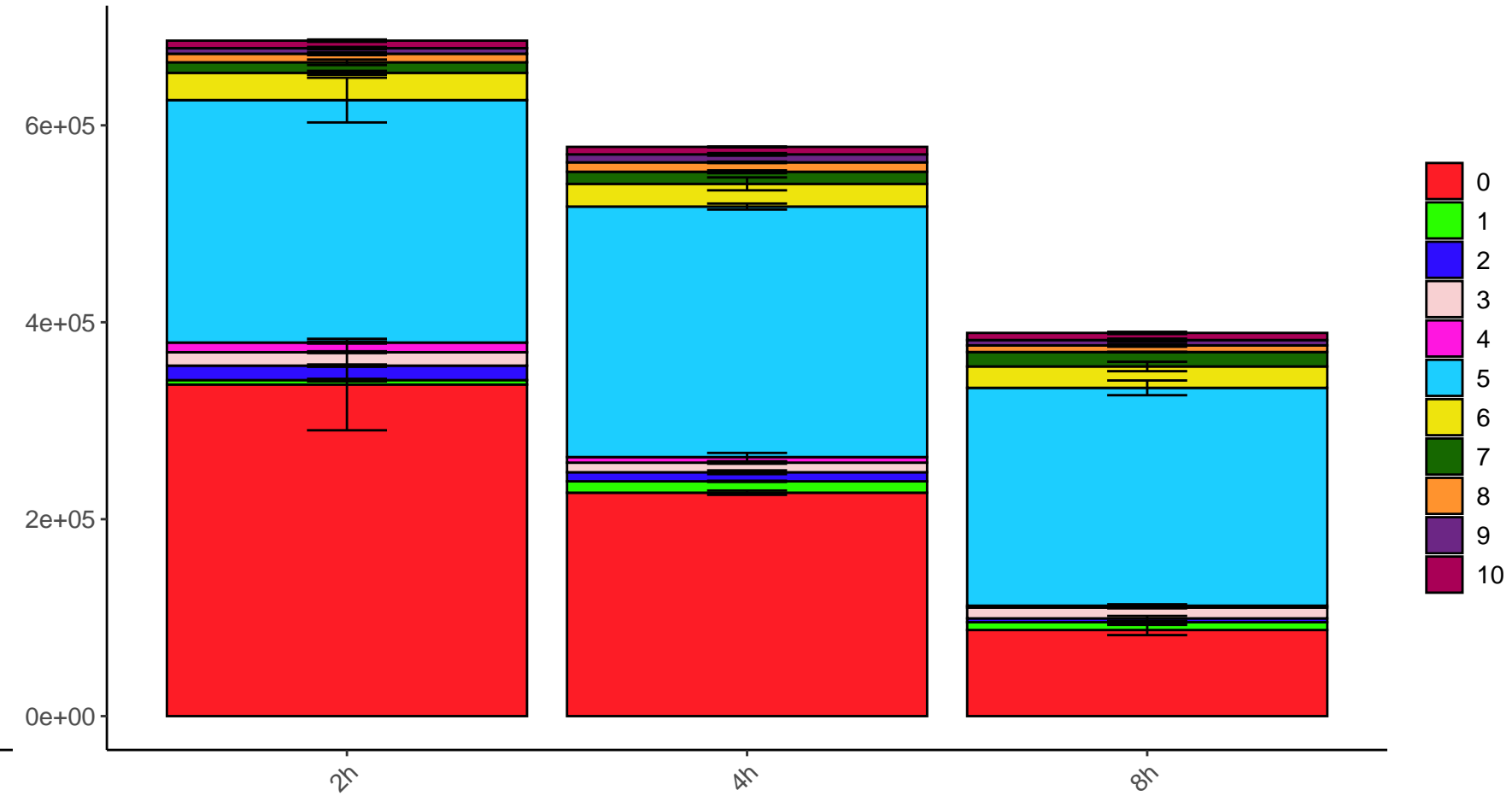


# Guanosine triphosphate

BSA  
LPS853



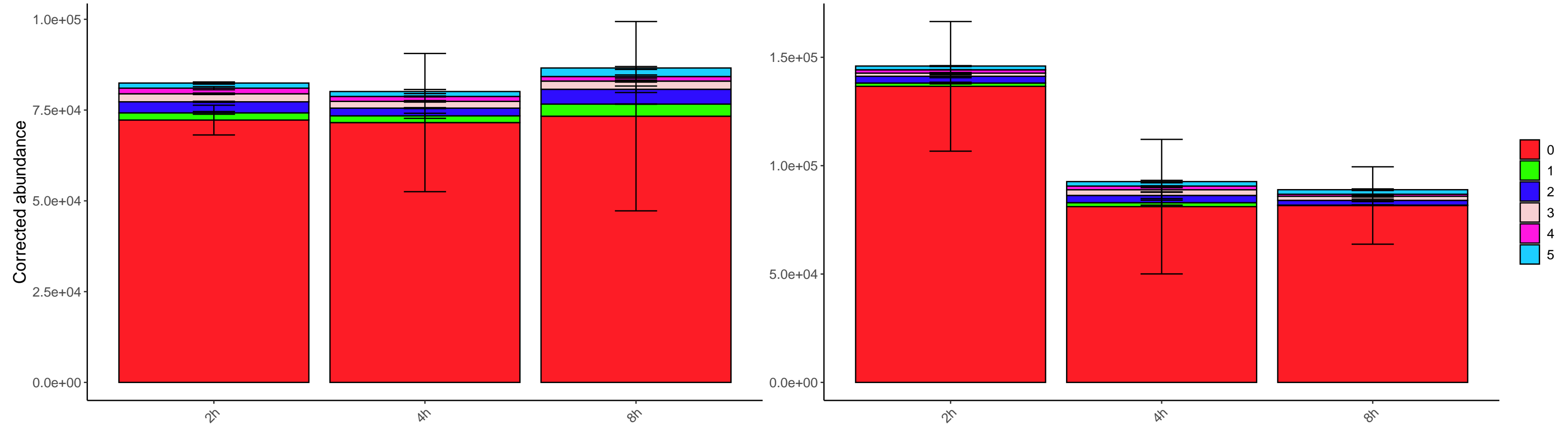
SA  
LPS853



# Adenine

BSA  
LPS853

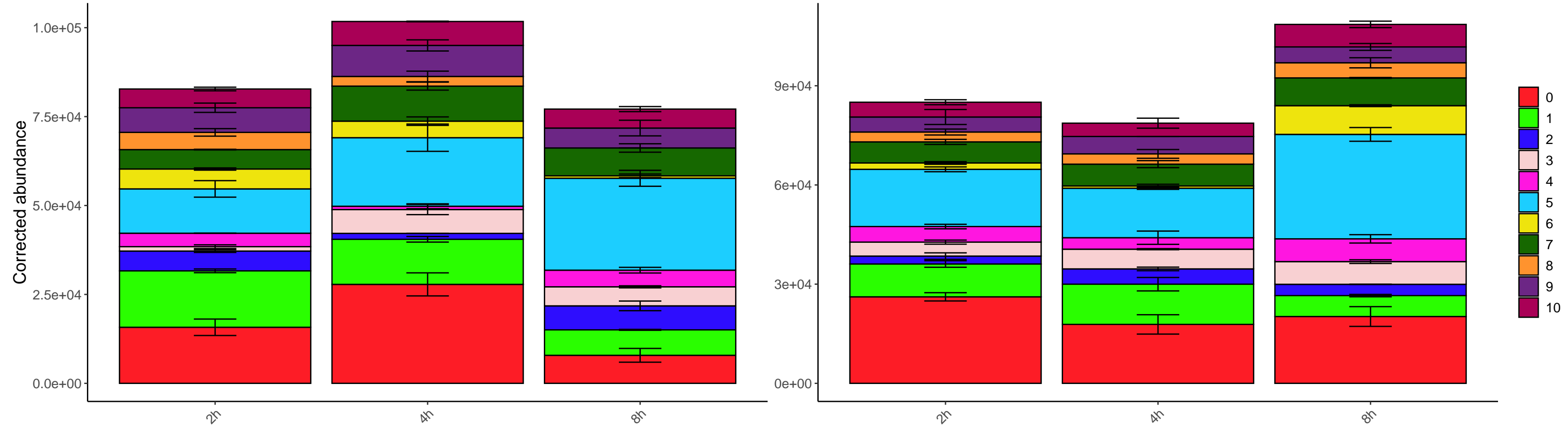
SA  
LPS853



# Guanosine monophosphate

BSA  
LPS853

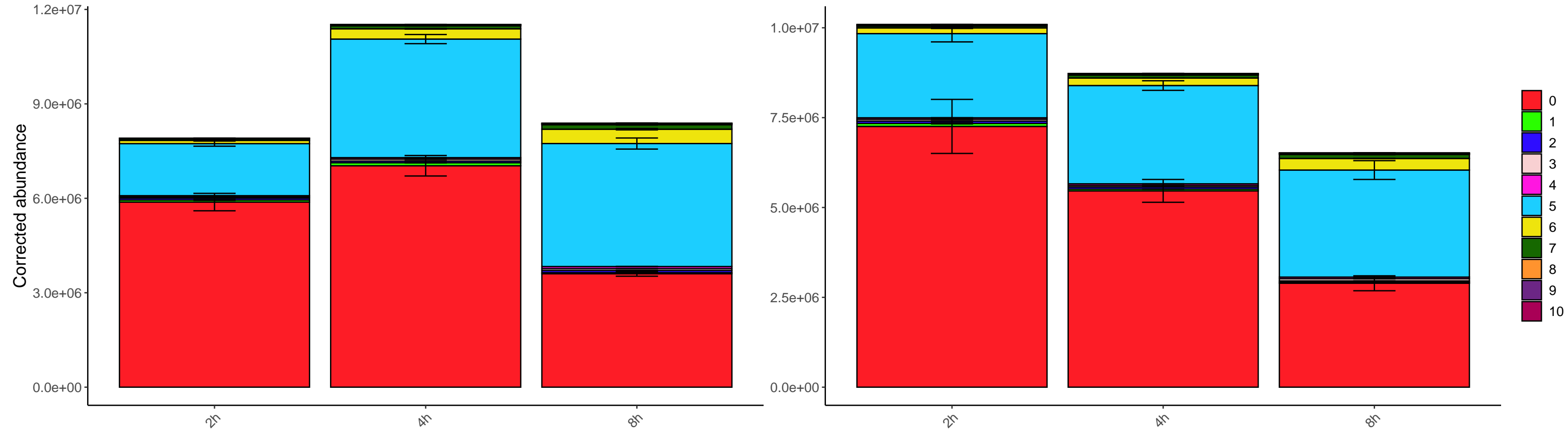
SA  
LPS853



# Adenosine triphosphate

BSA  
LPS853

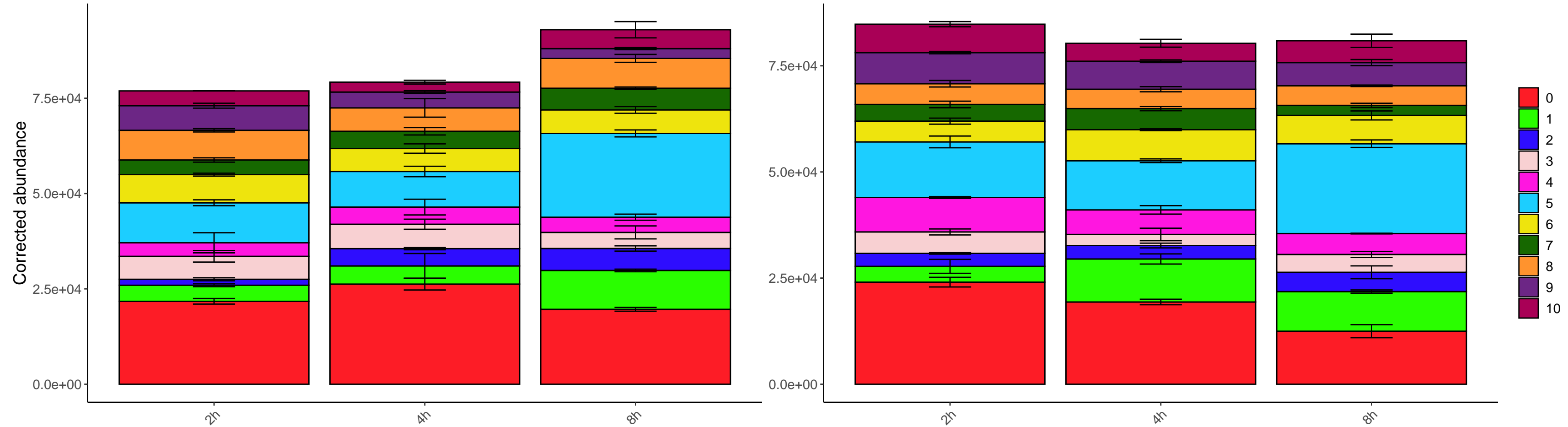
SA  
LPS853



# Cyclic adenosine monophosphate

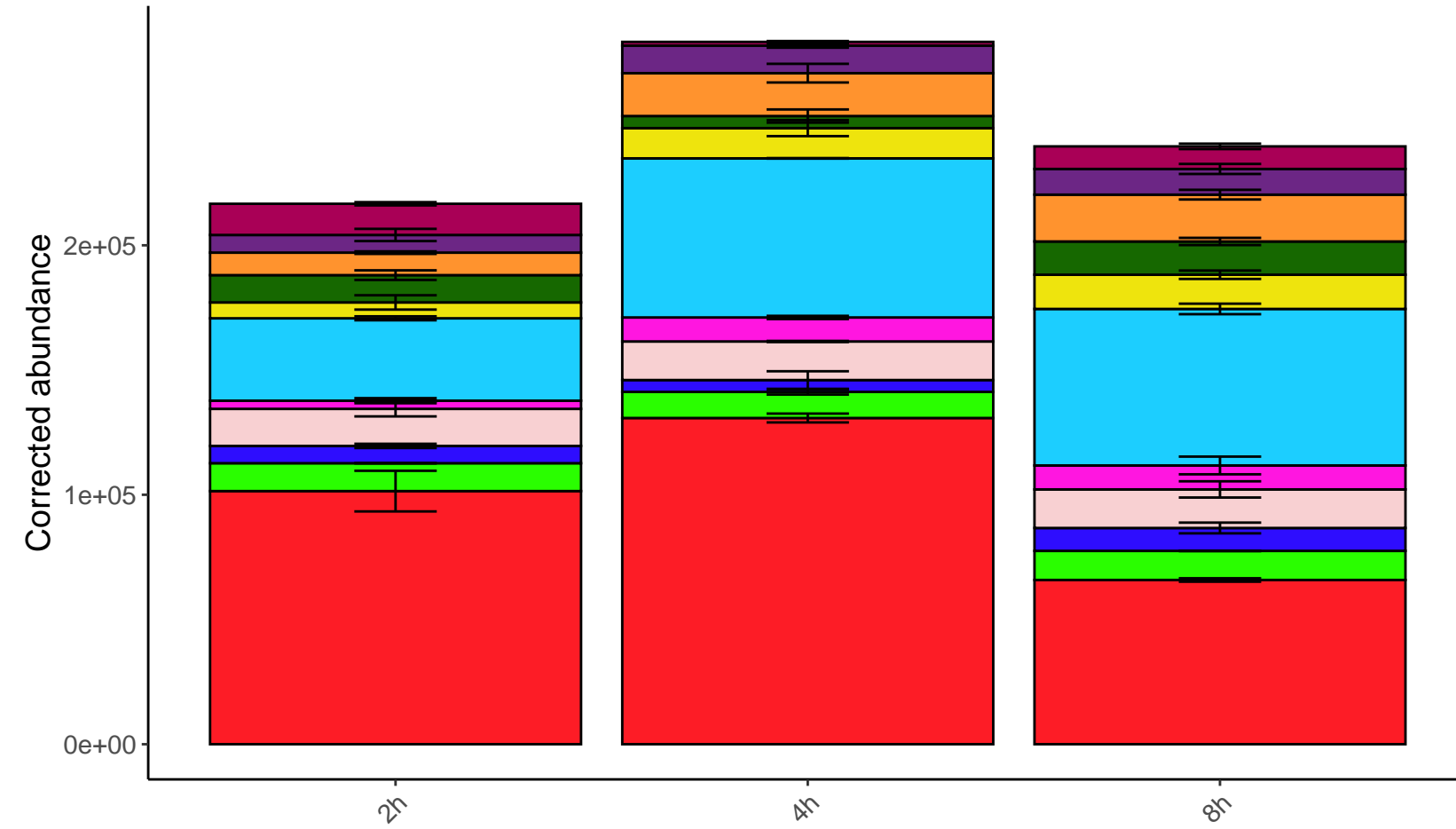
BSA  
LPS853

SA  
LPS853

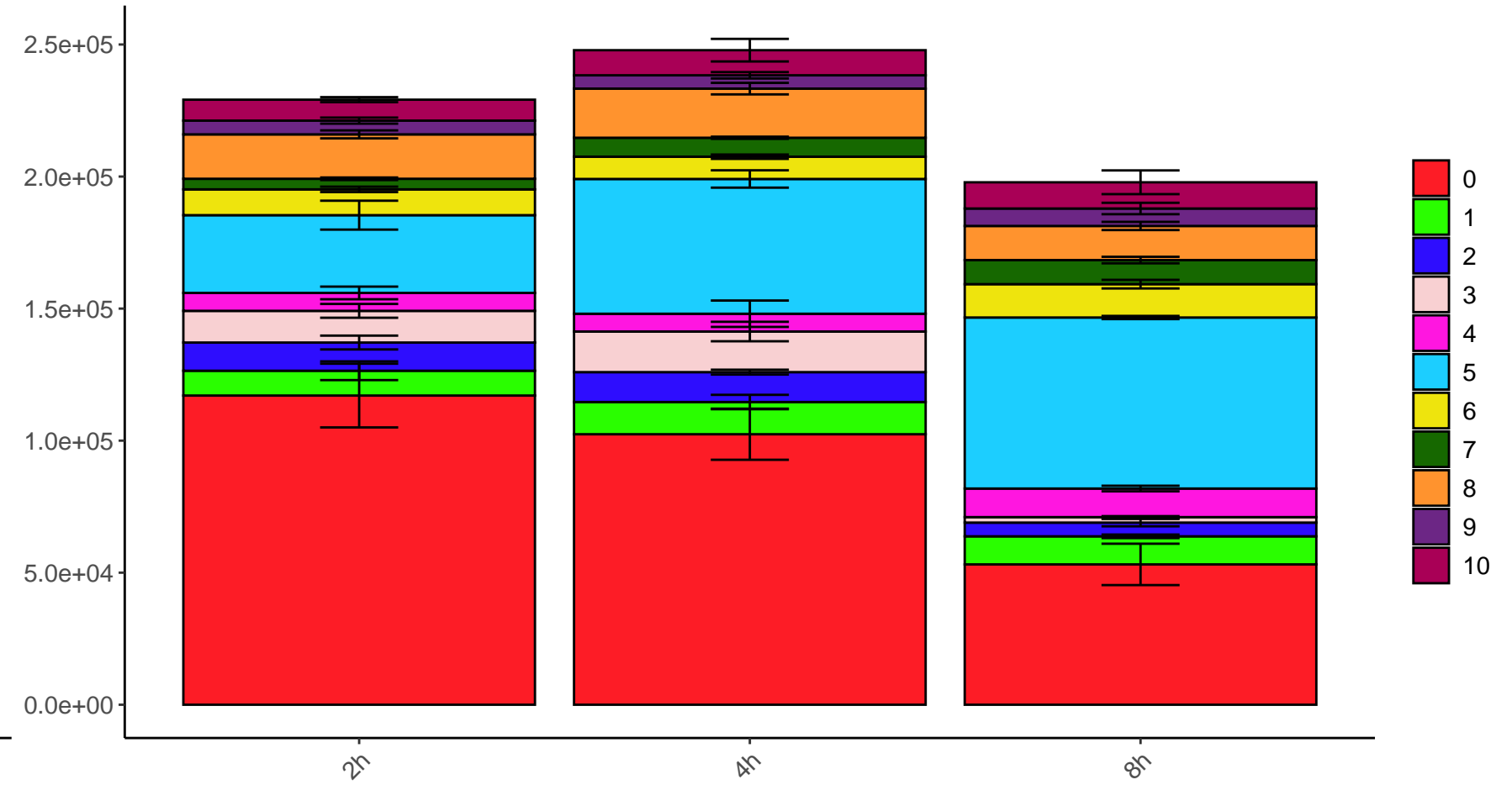


# Deoxyadenosine triphosphate

BSA  
LPS853

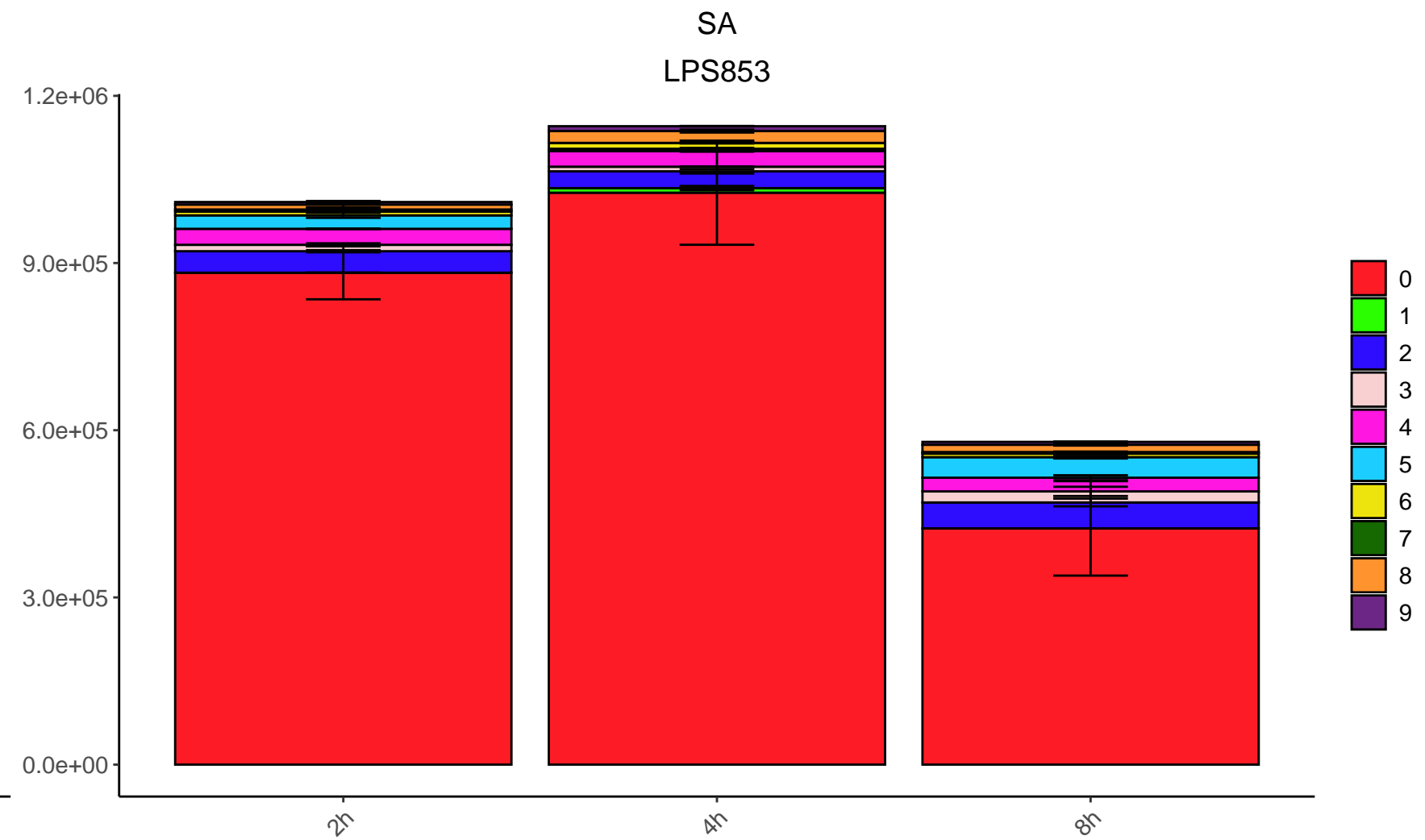
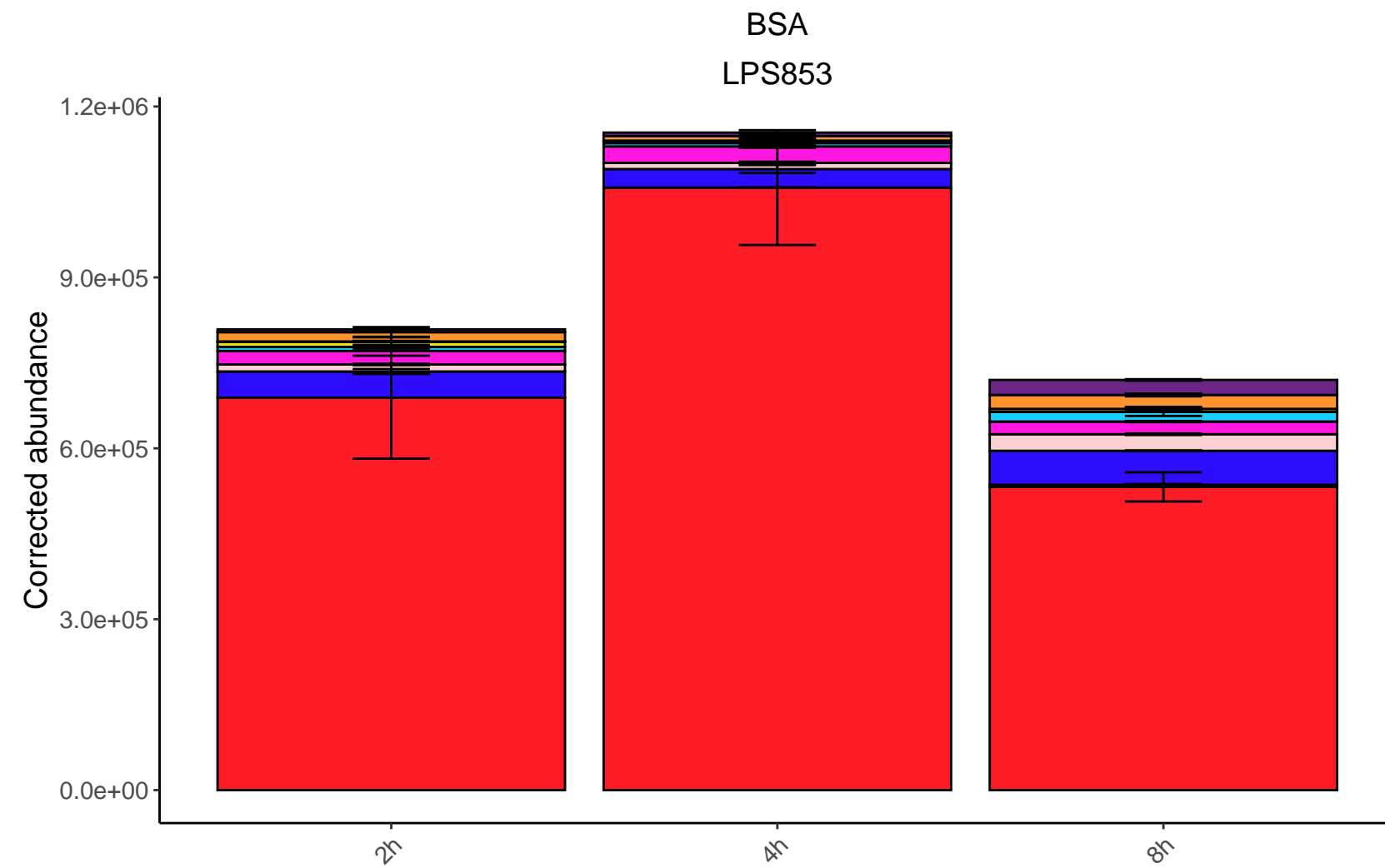


SA  
LPS853



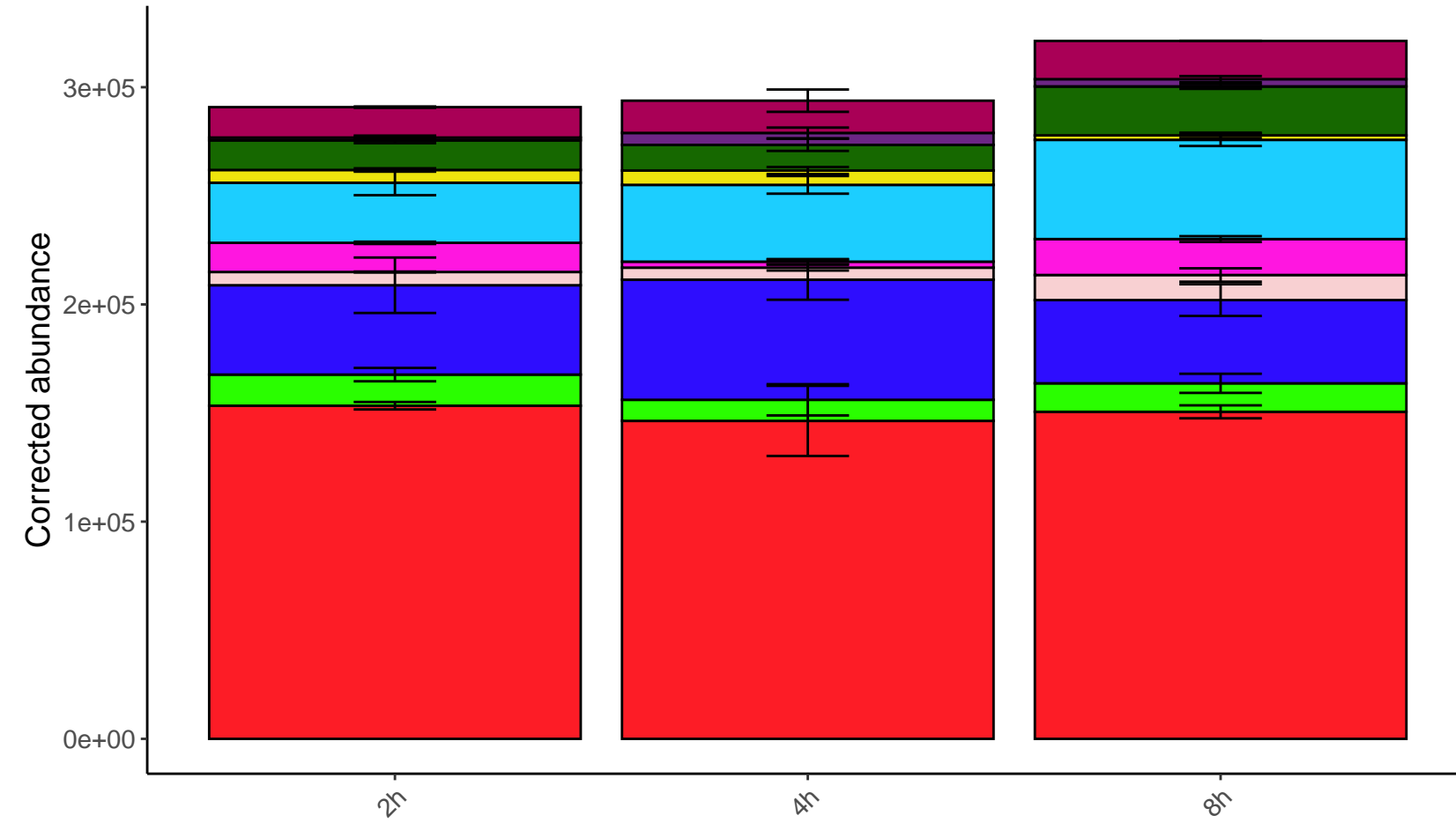


## Cytidine

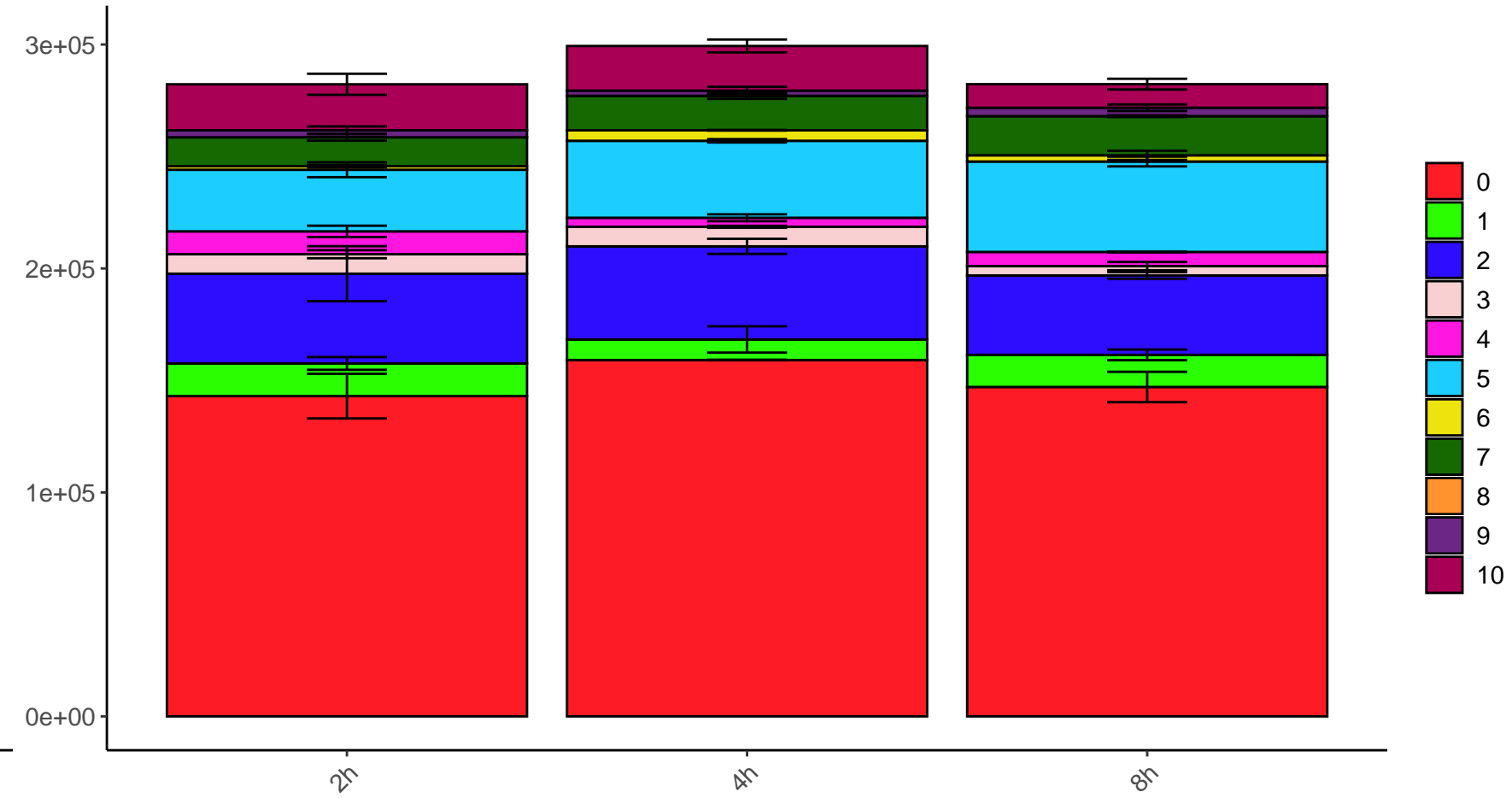


# Thymidine

BSA  
LPS853



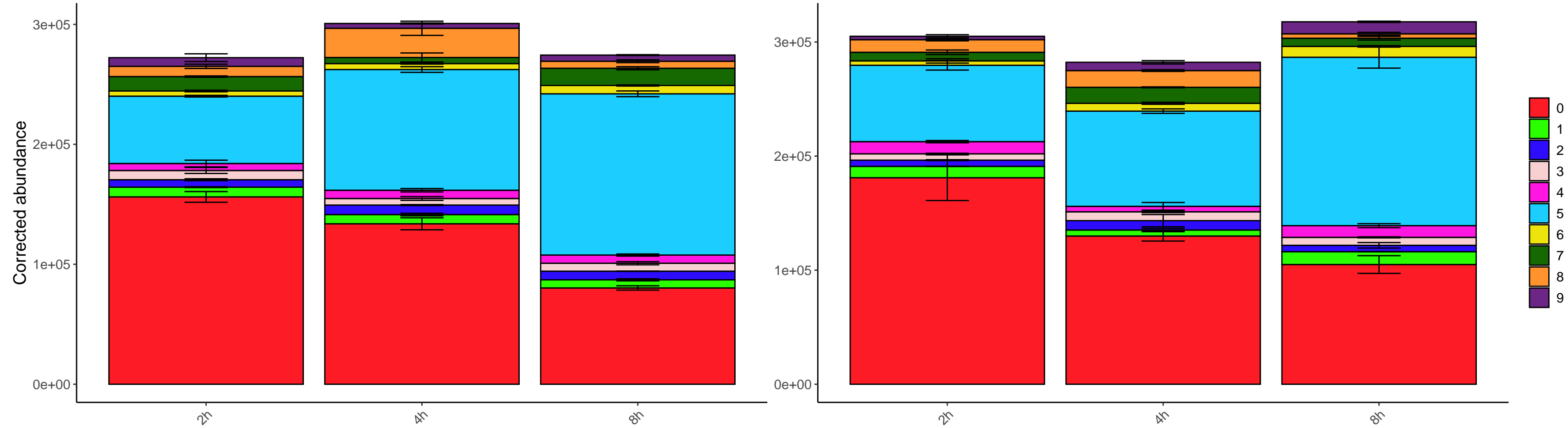
SA  
LPS853



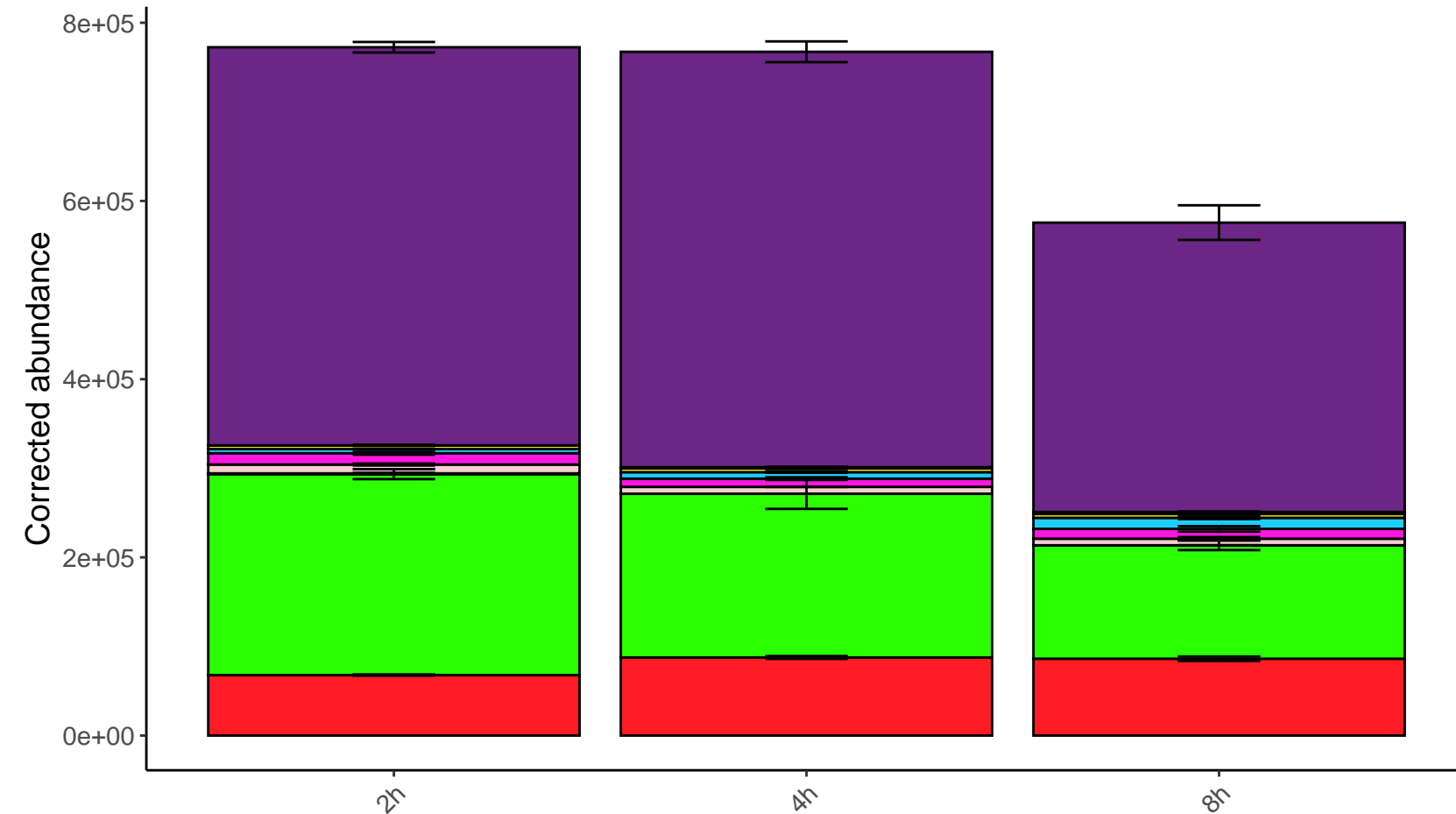
# Uridine monophosphate

BSA  
LPS853

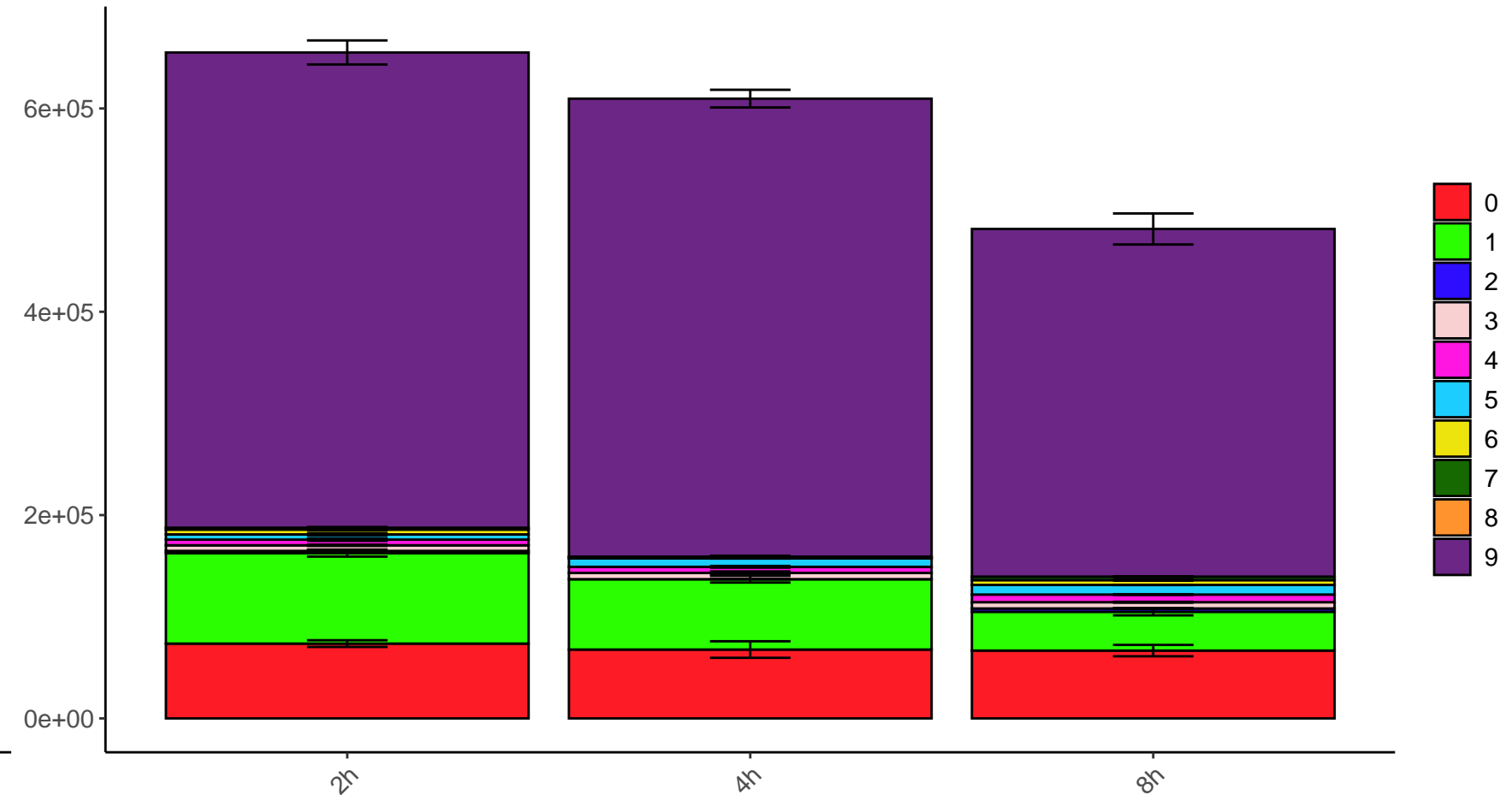
SA  
LPS853



## Deoxycytidine monophosphate

BSA  
LPS853

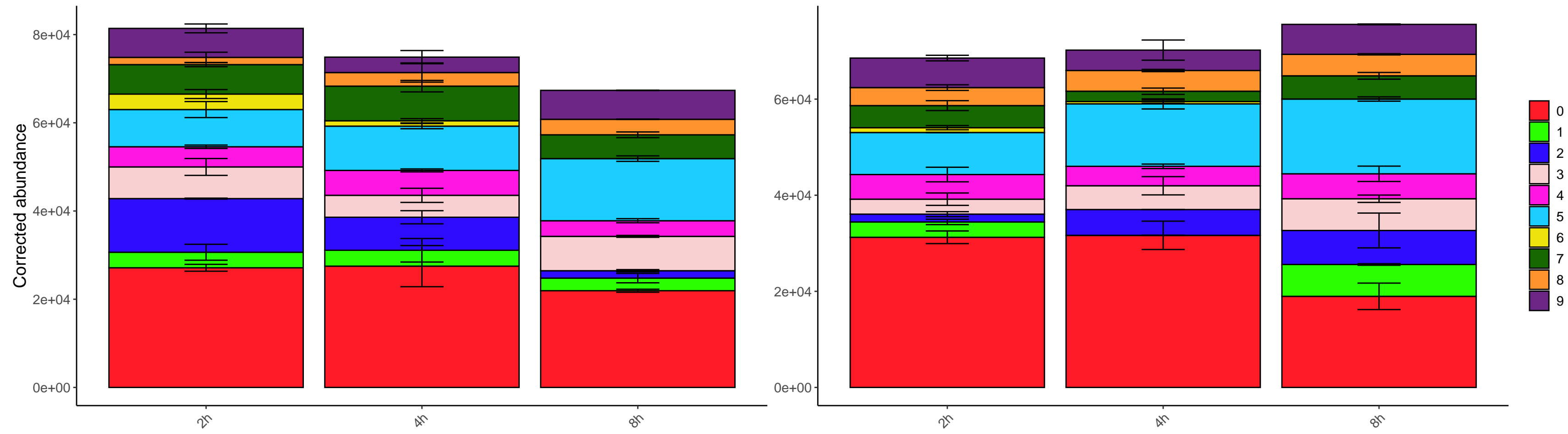
SA  
LPS853



# Cytidine monophosphate

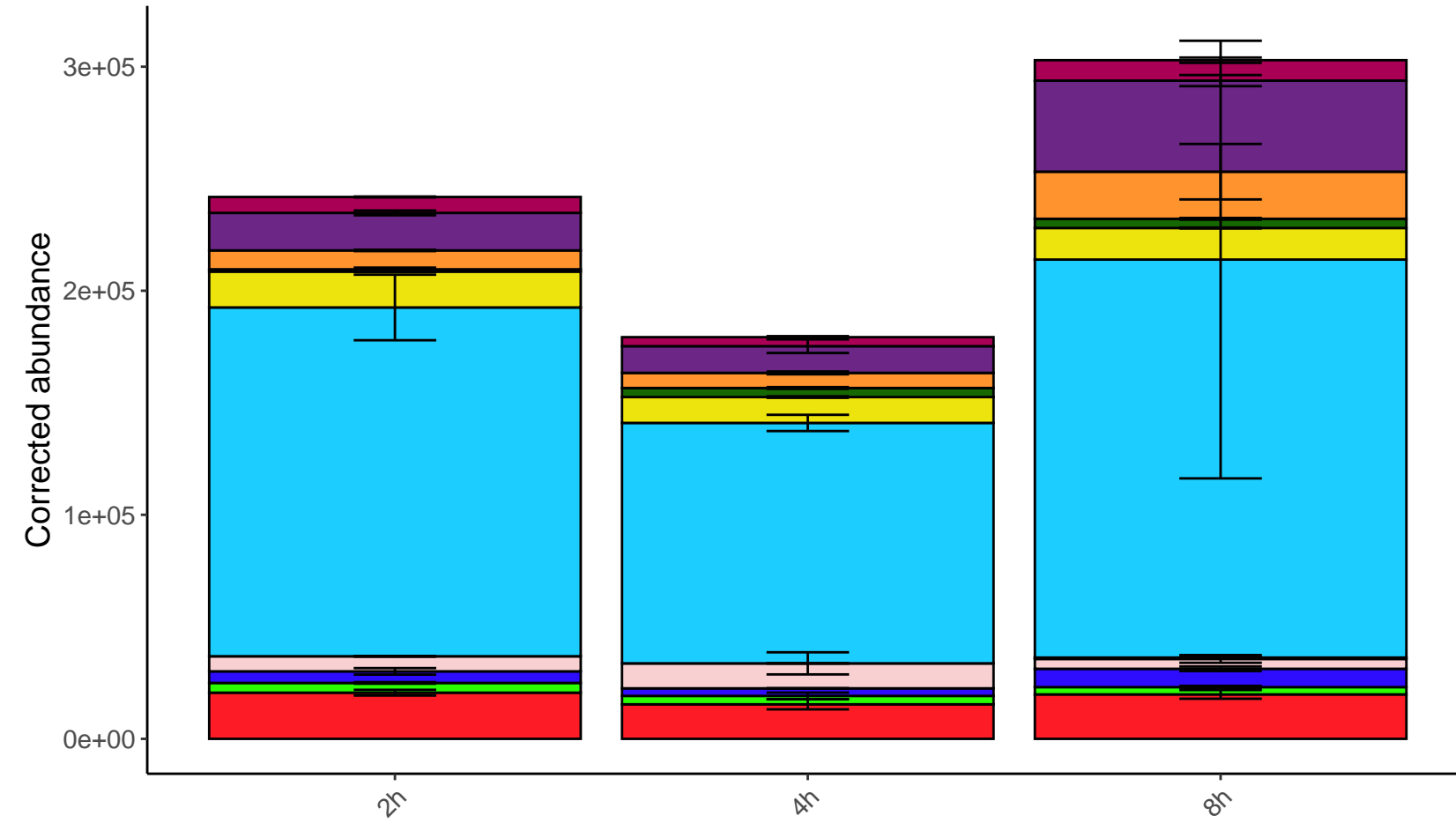
BSA  
LPS853

SA  
LPS853

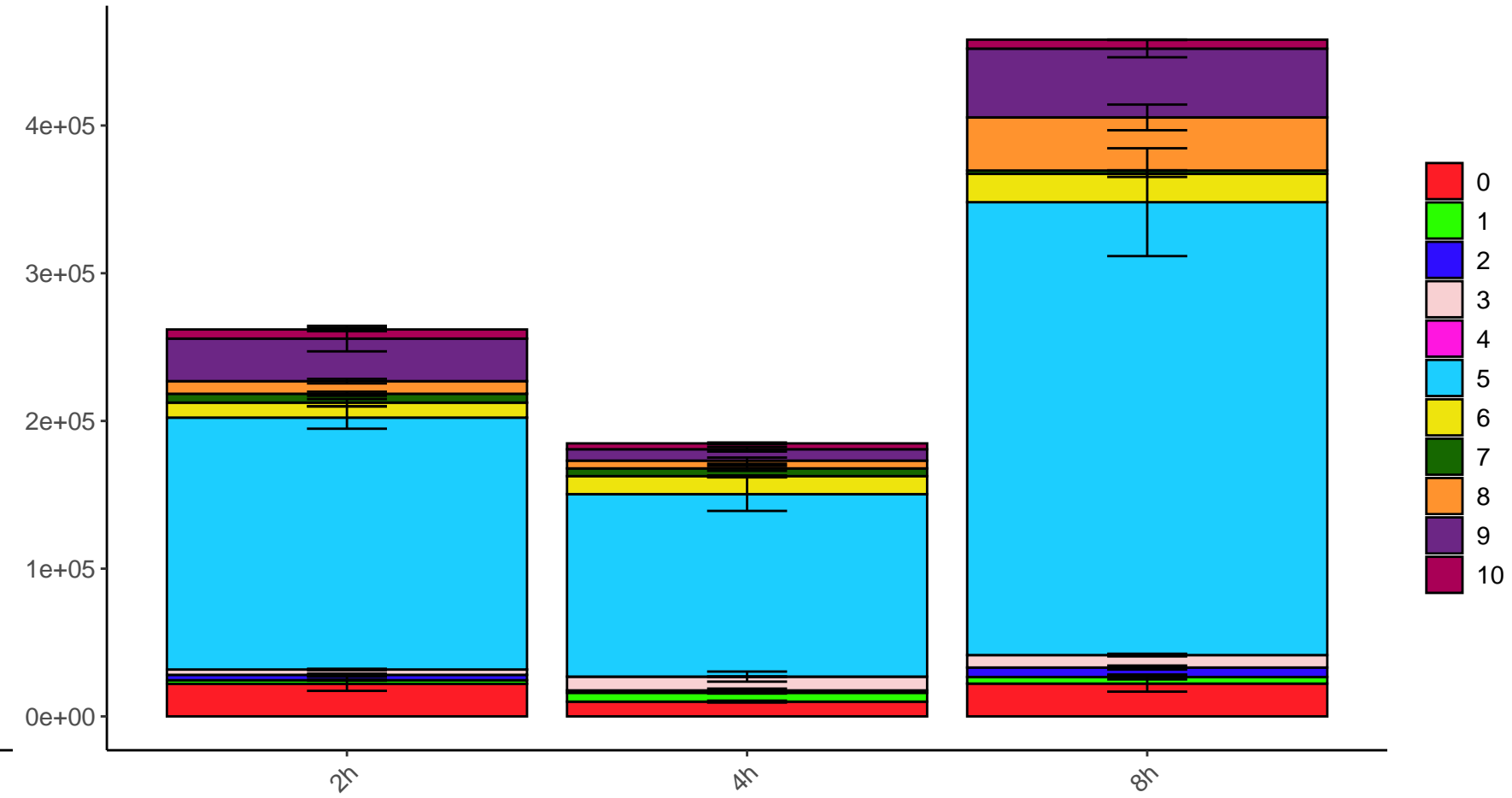


# Thymidine monophosphate

BSA  
LPS853



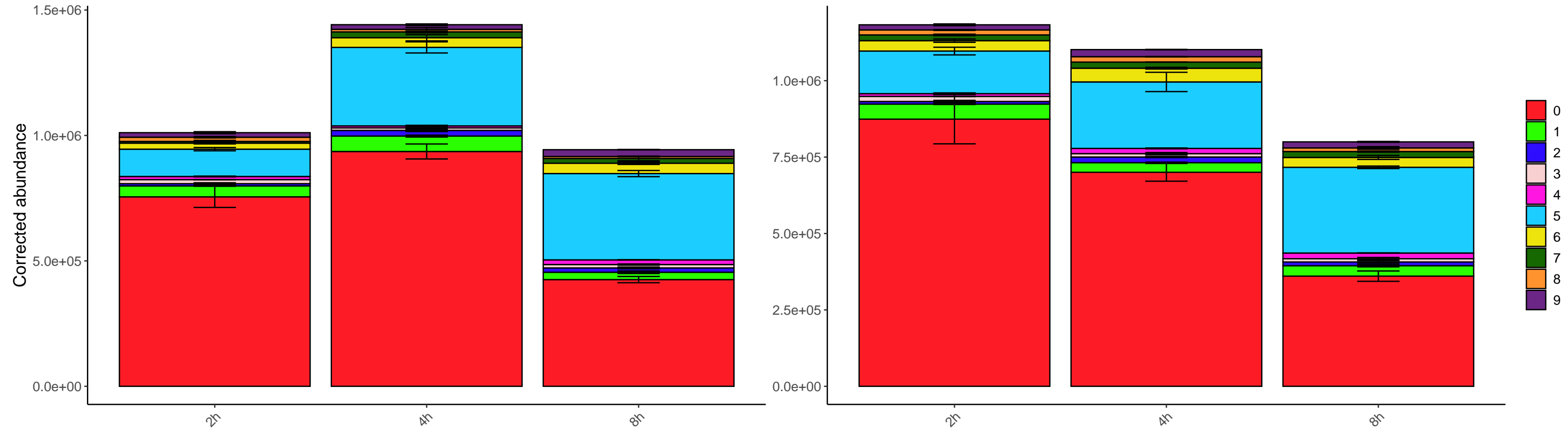
SA  
LPS853



# Cytidine triphosphate

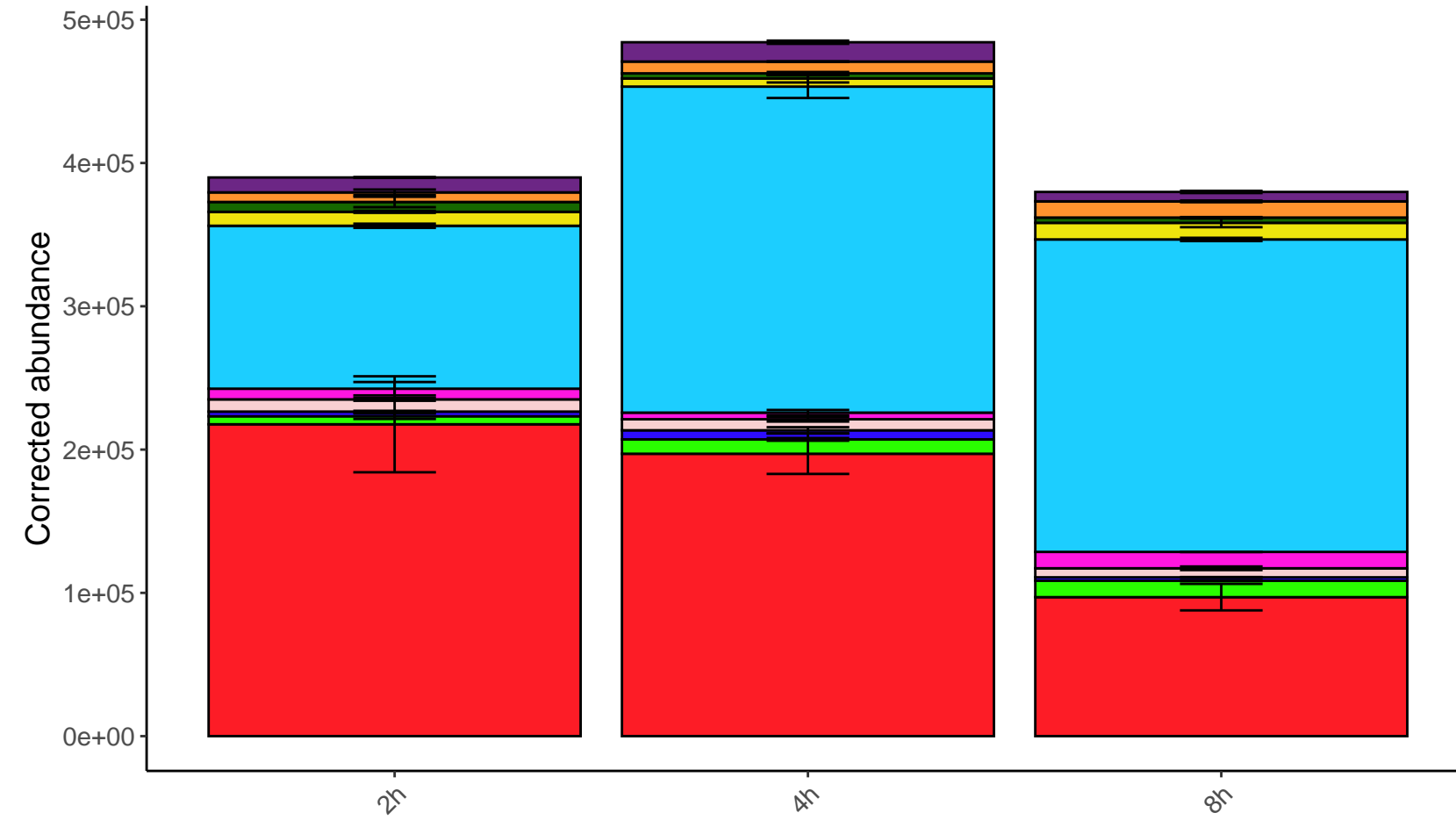
BSA  
LPS853

SA  
LPS853

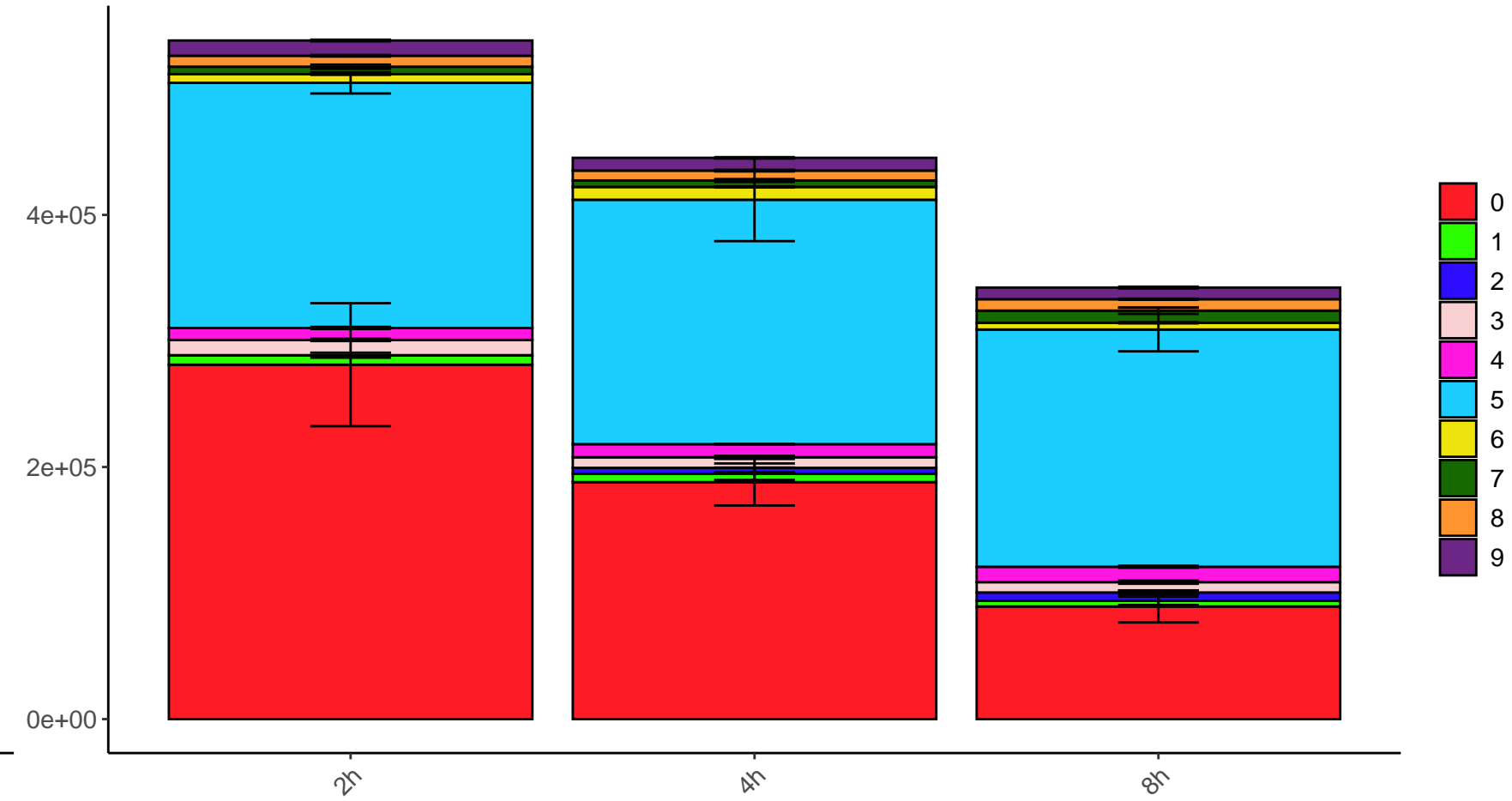


# Uridine diphosphate

BSA  
LPS853



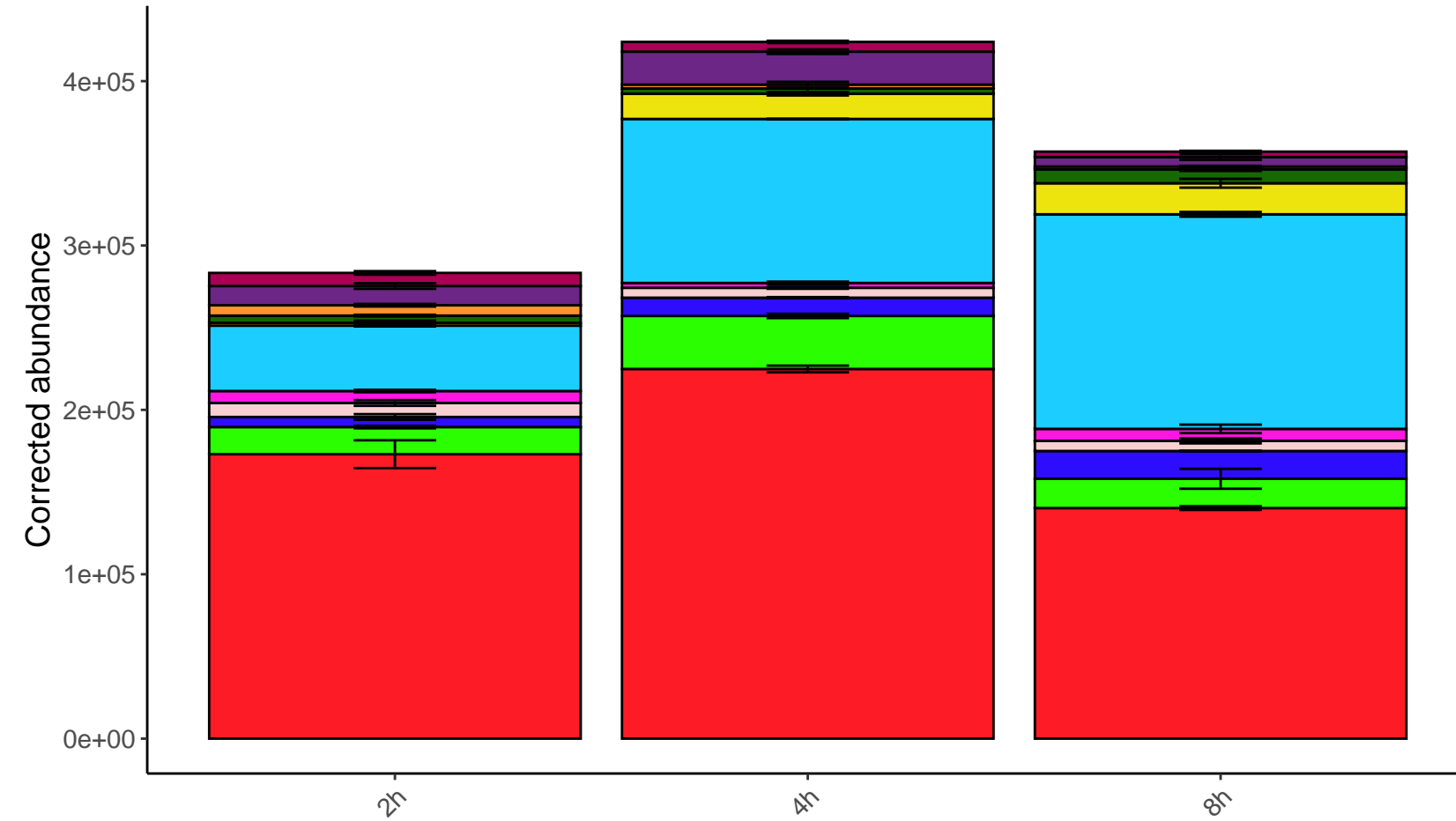
SA  
LPS853



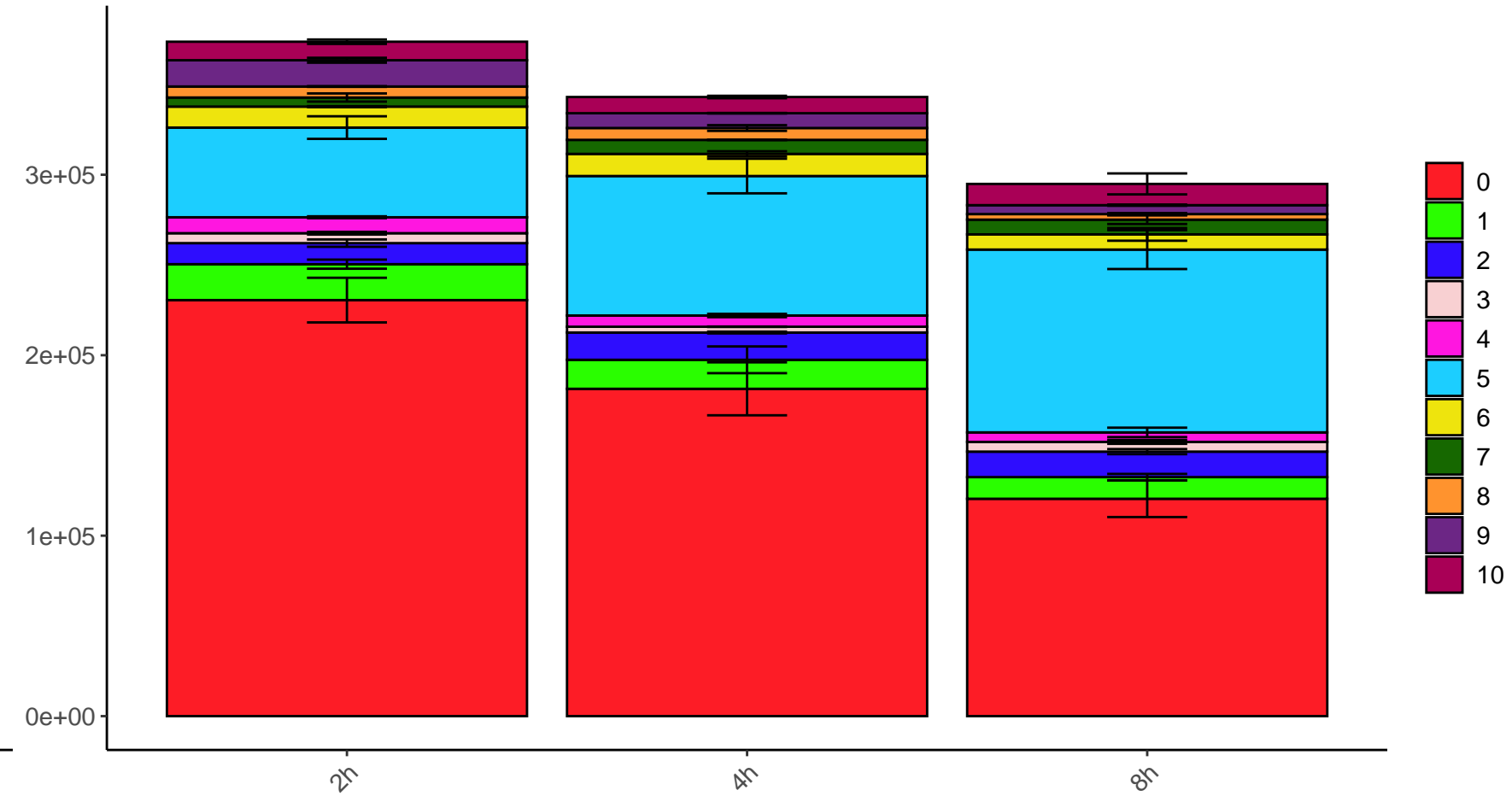


# Deoxythymidine triphosphate

BSA  
LPS853



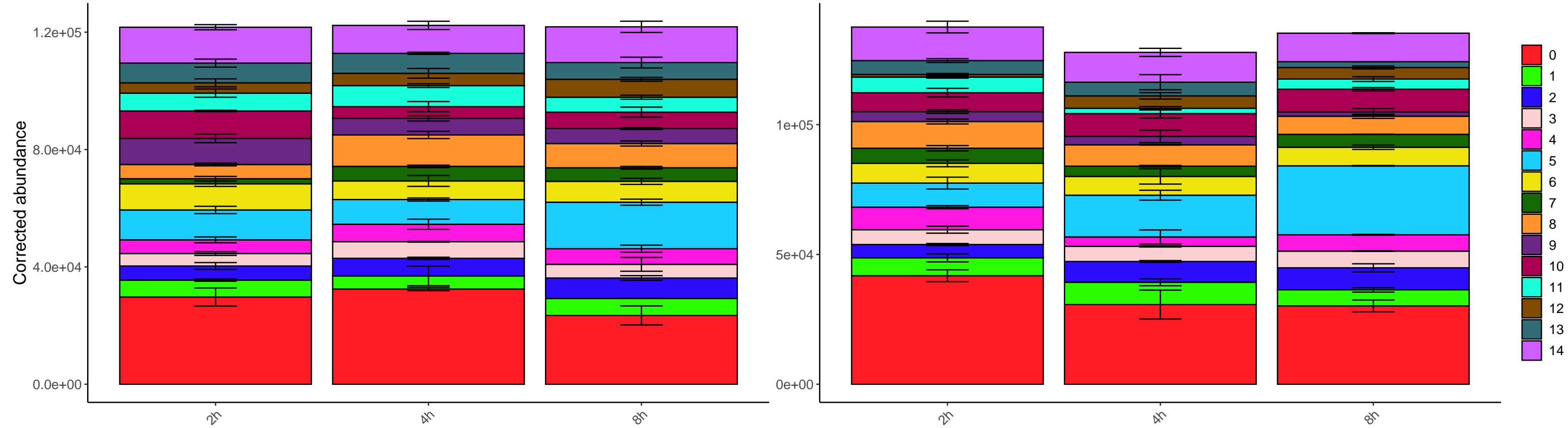
SA  
LPS853



# Cytidine diphosphate choline

BSA  
LPS853

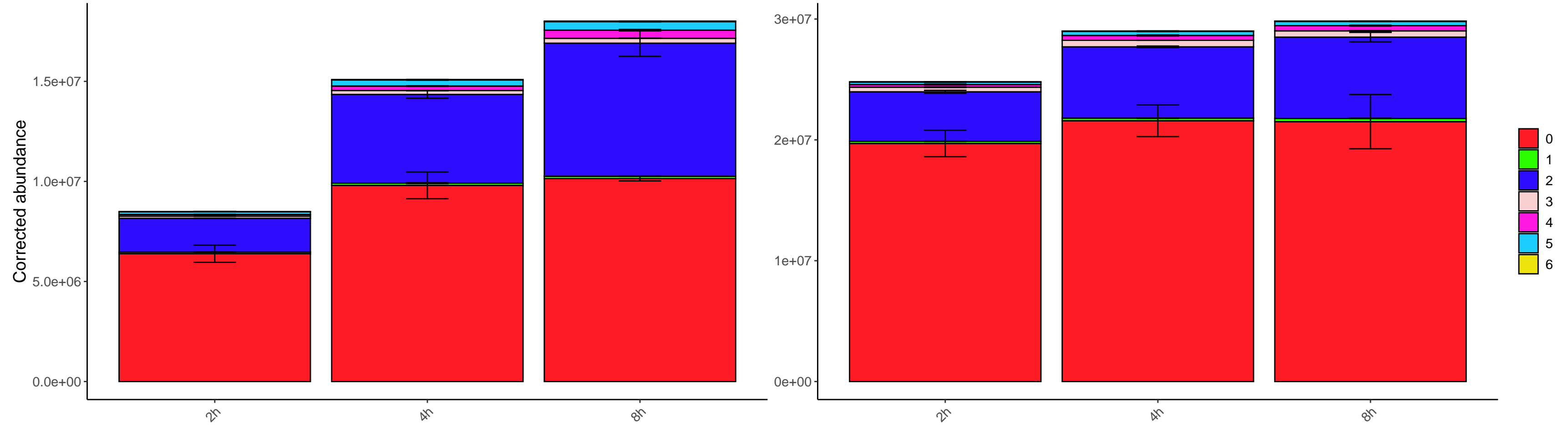
SA  
LPS853



# Citric and isocitric acid

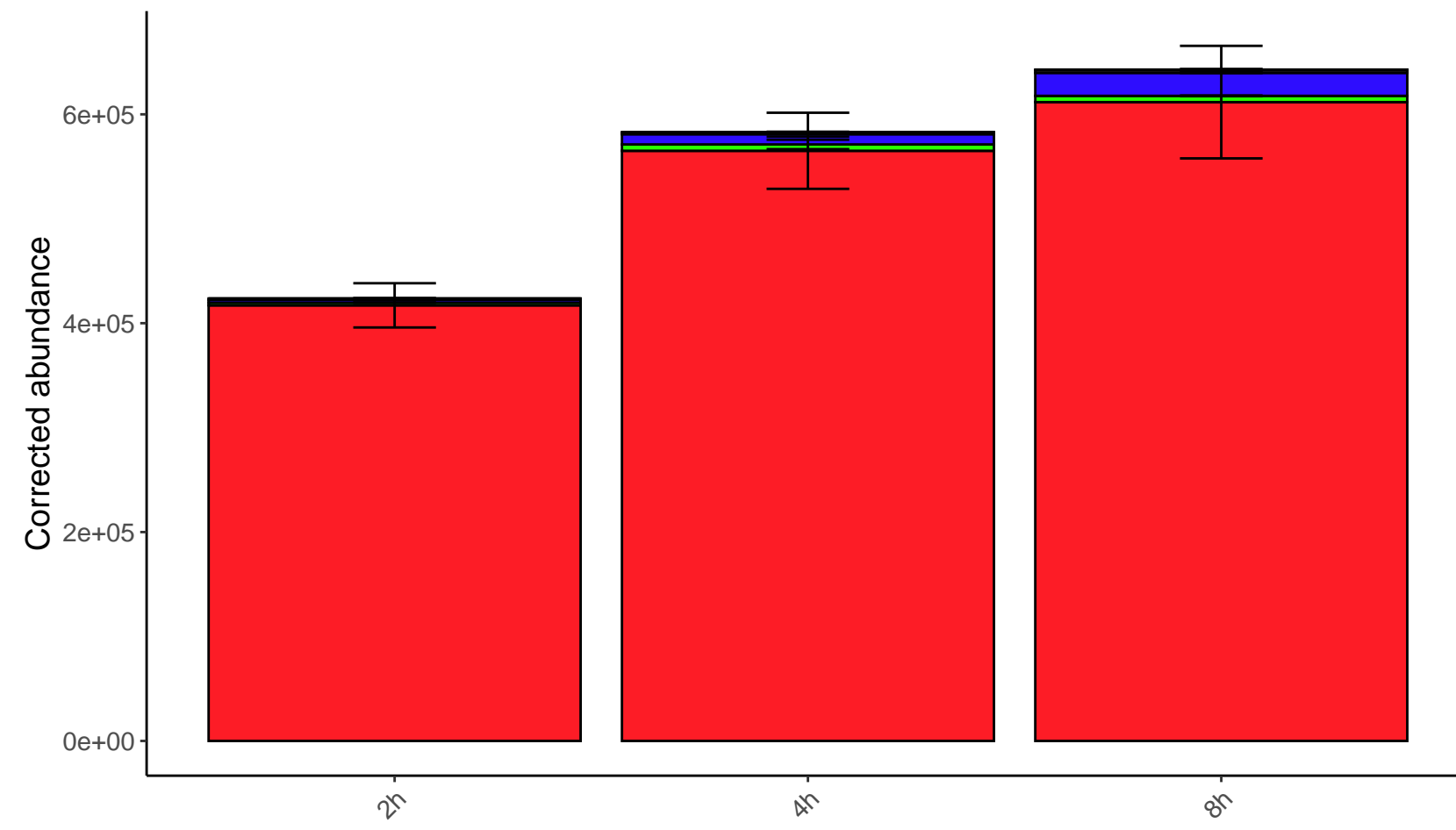
BSA  
LPS853

SA  
LPS853

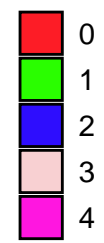
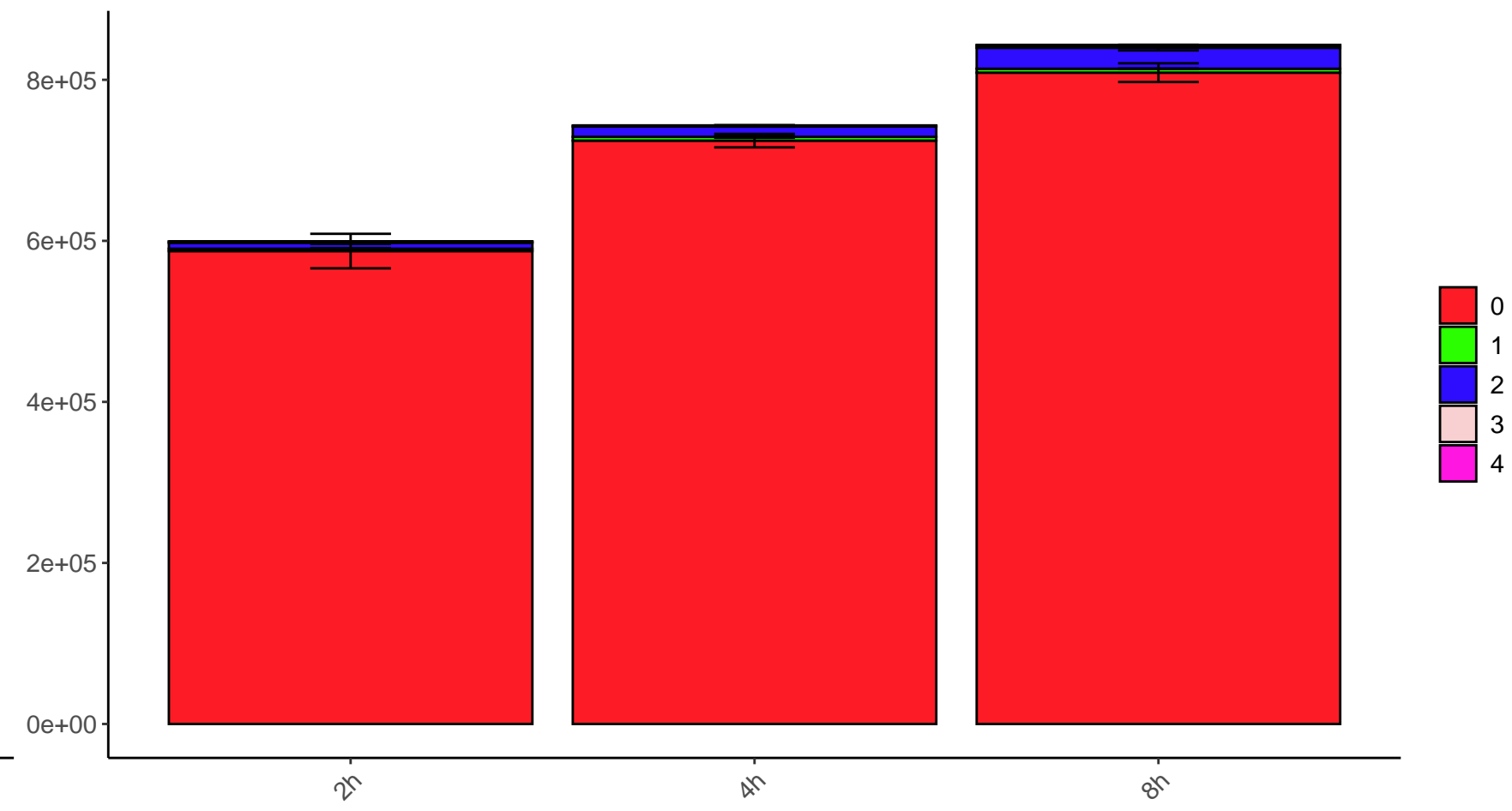


# Succinic acid

BSA  
LPS853

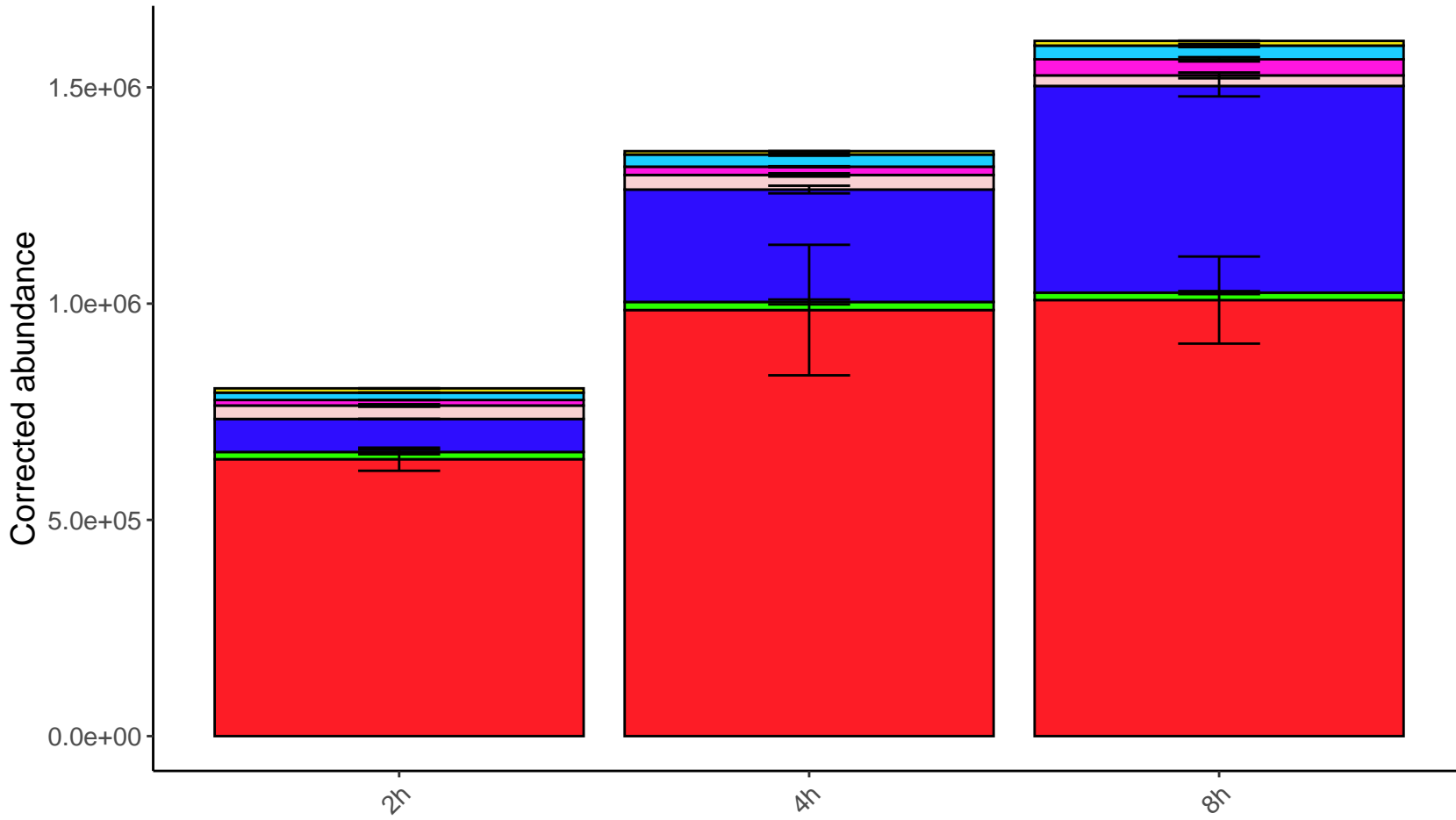


SA  
LPS853

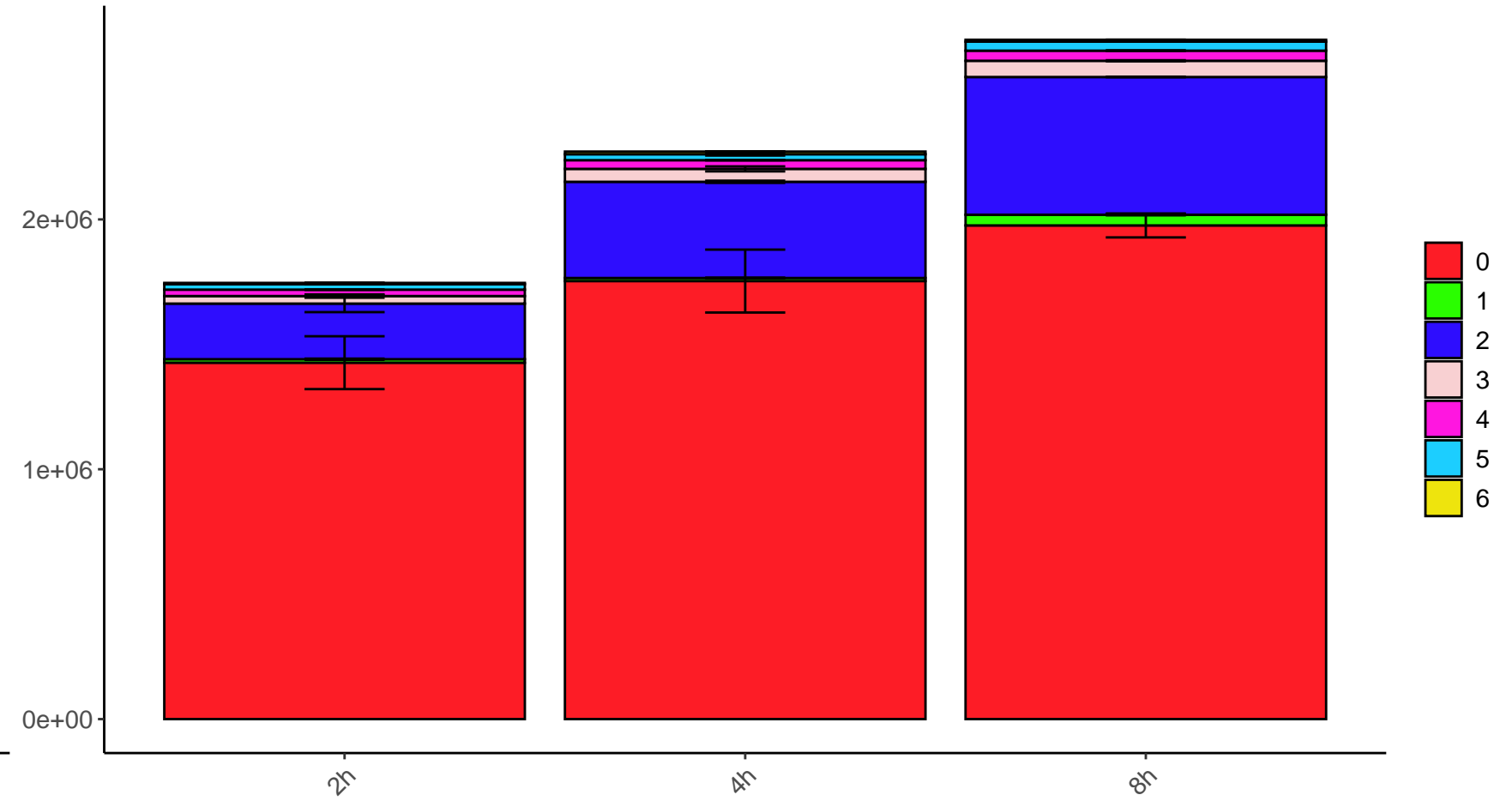


**cis-Aconitic acid**

BSA  
LPS853

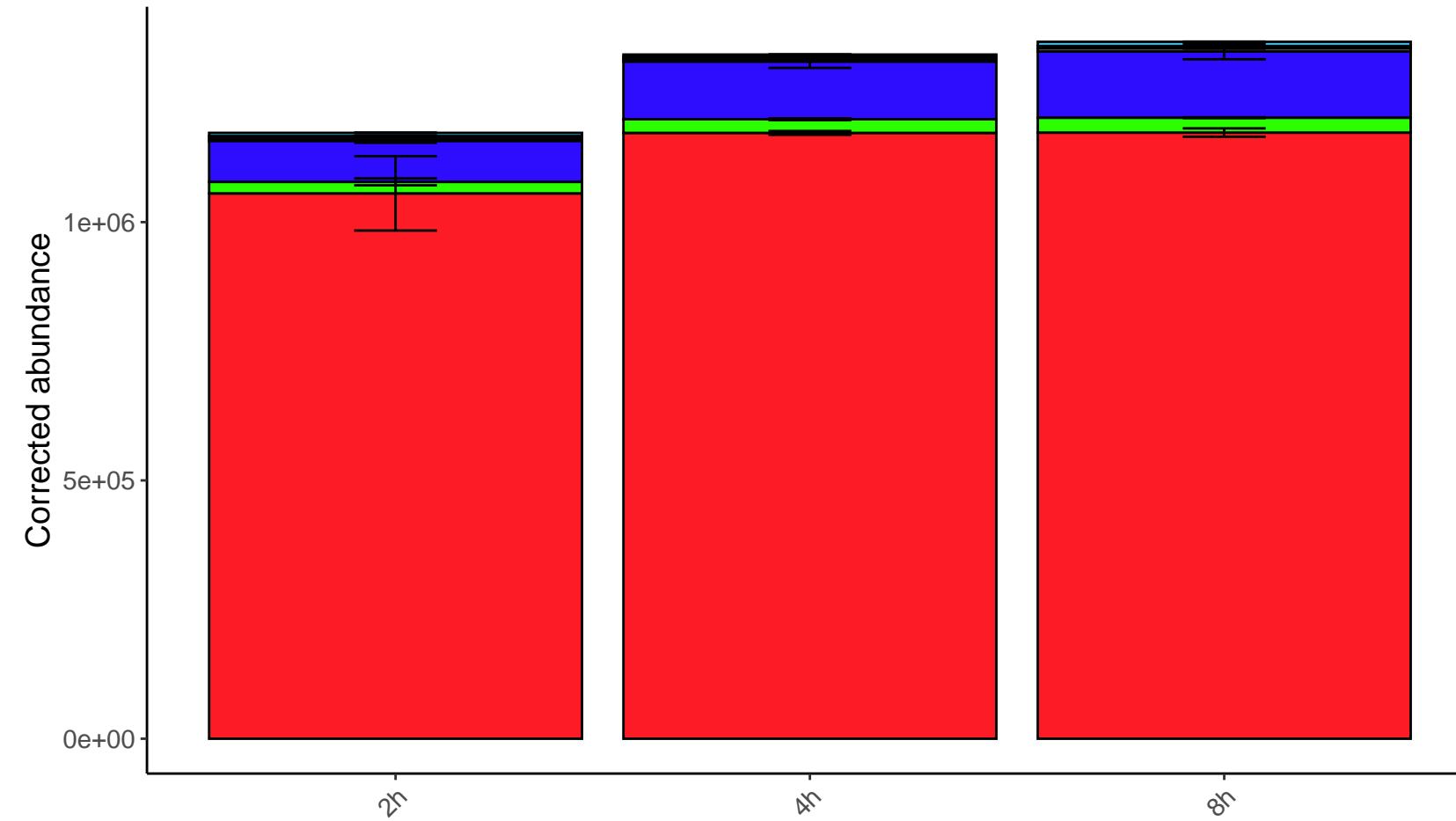


SA  
LPS853

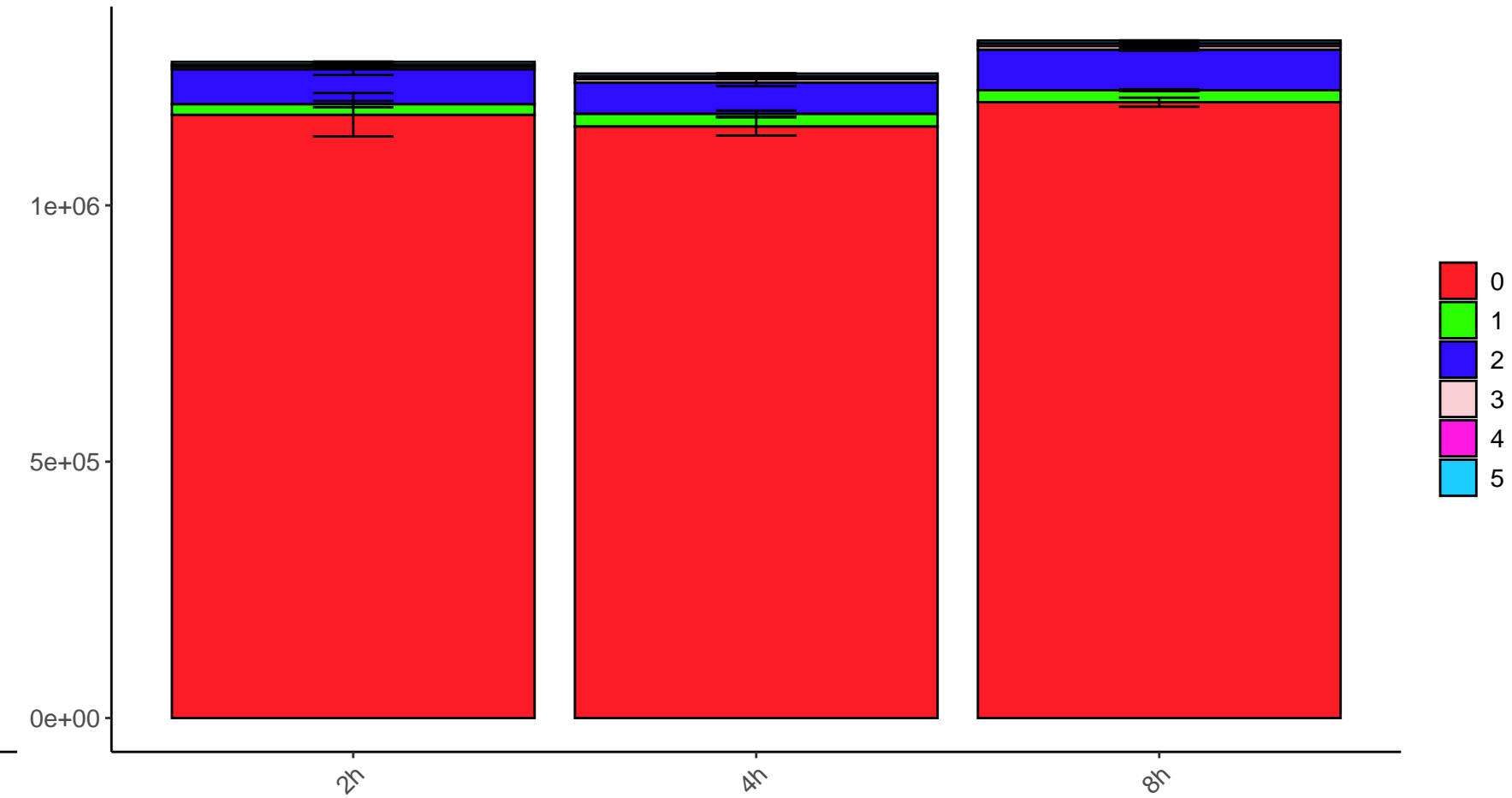


# R-2-Hydroxyglutaric acid

BSA  
LPS853

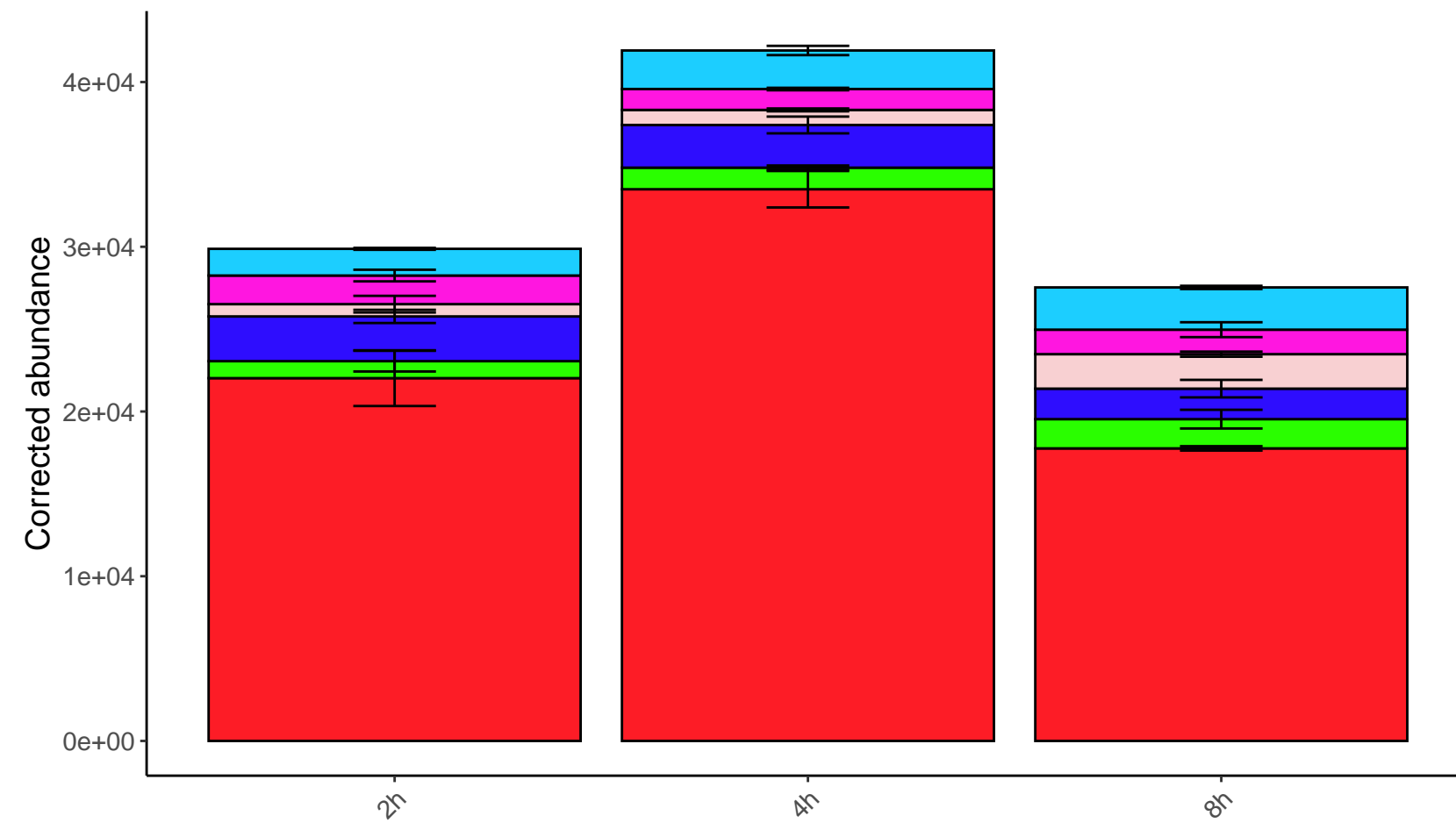


SA  
LPS853

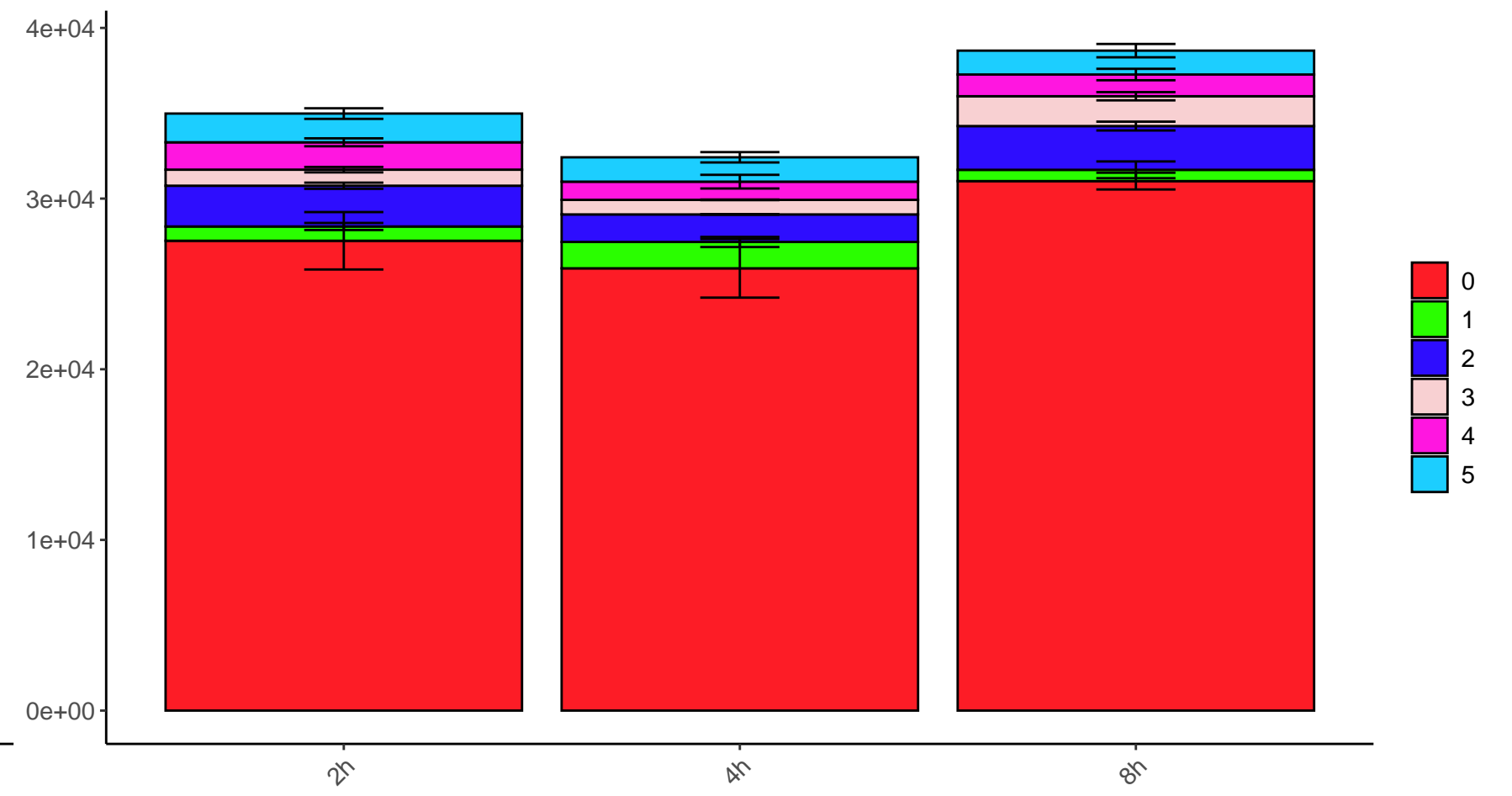


# Ornithine

BSA  
LPS853



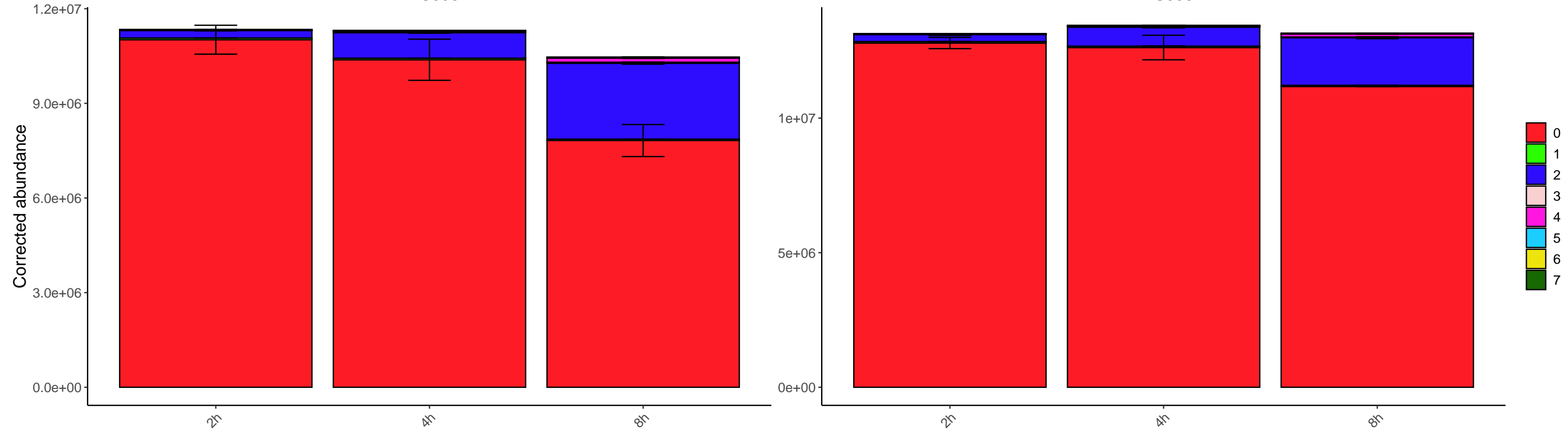
SA  
LPS853



# N-Acetylglutamic acid

BSA  
LPS853

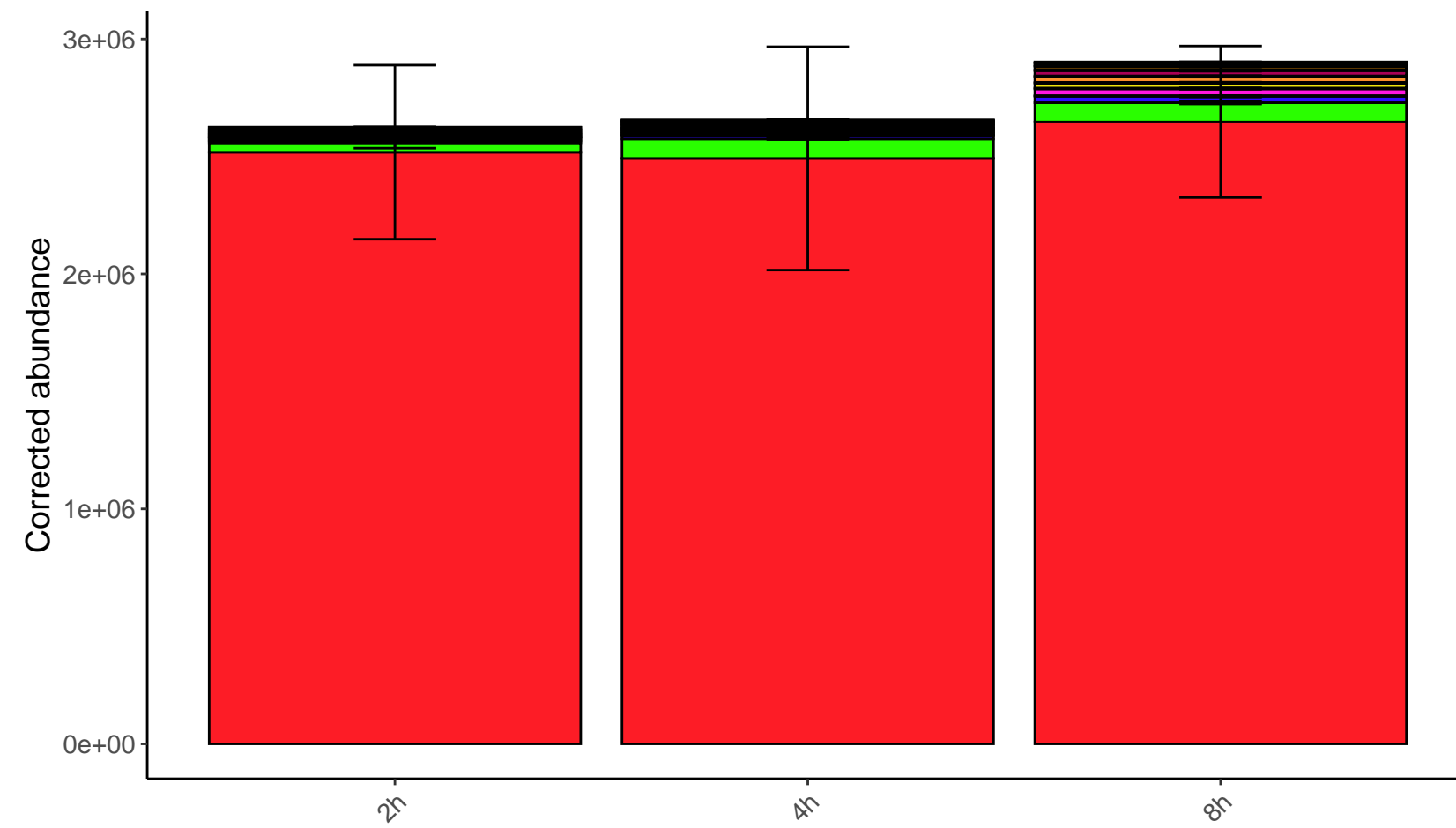
SA  
LPS853



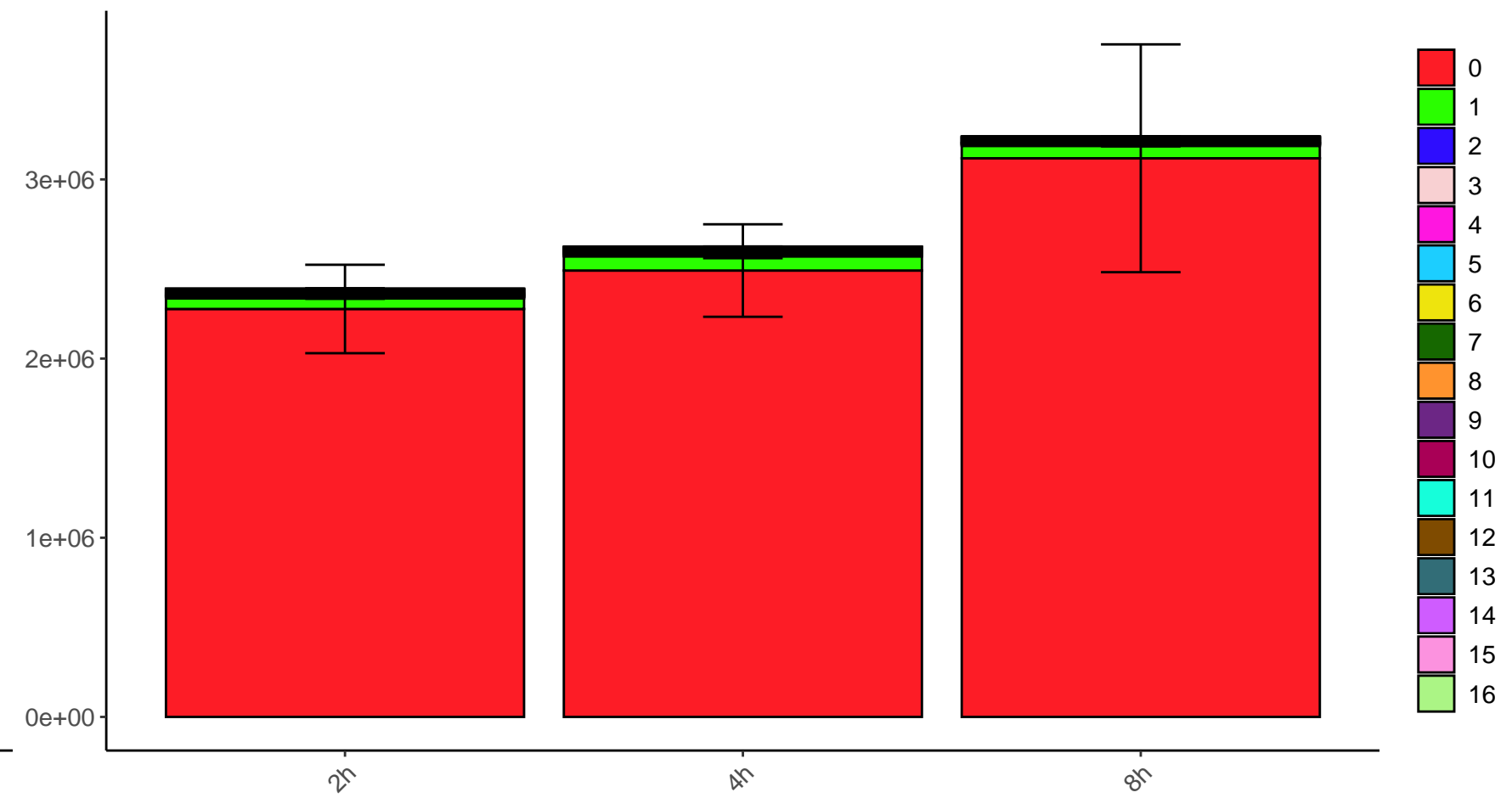


C16:0

BSA  
LPS853



SA  
LPS853



## C18:1

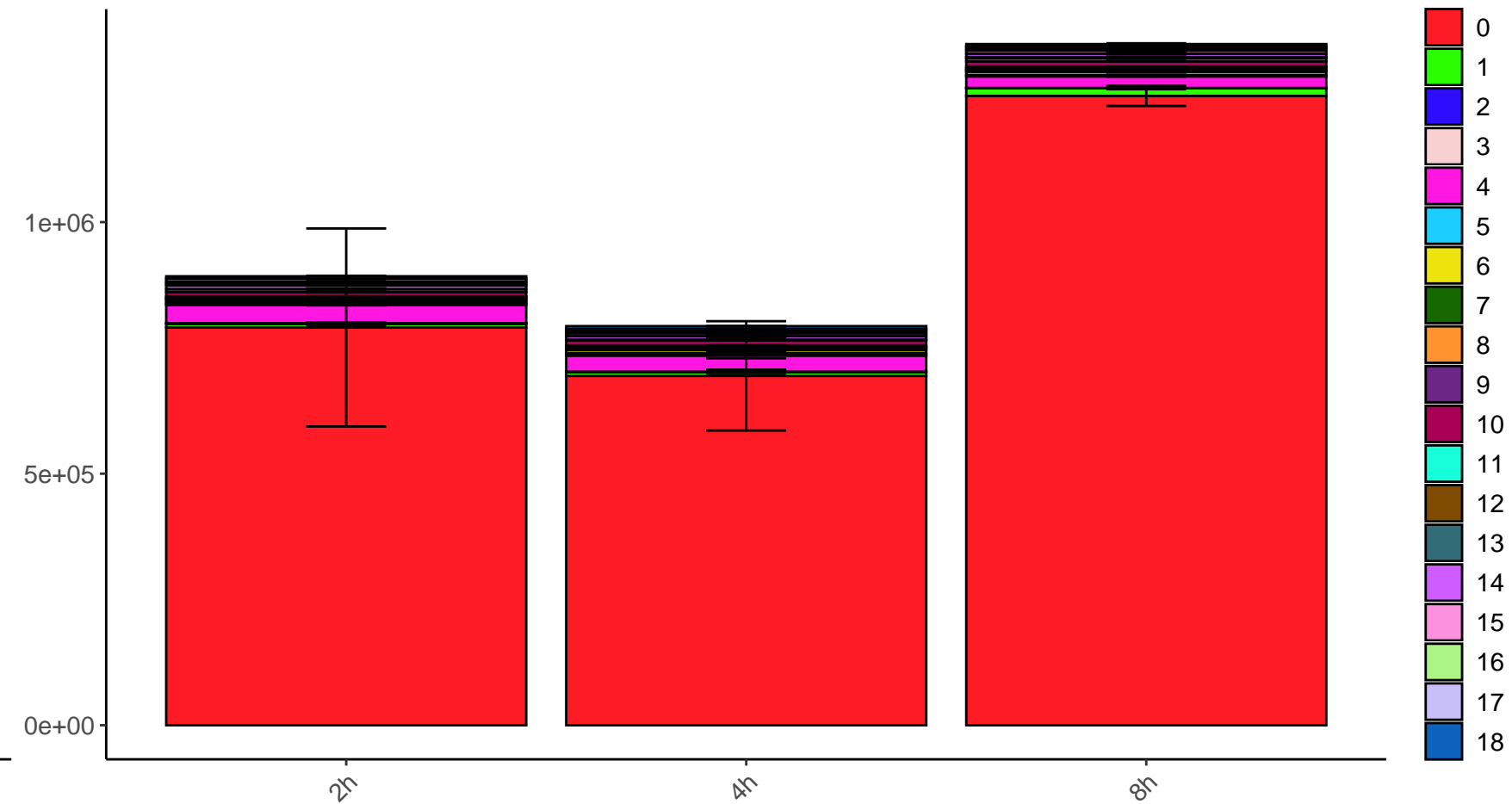
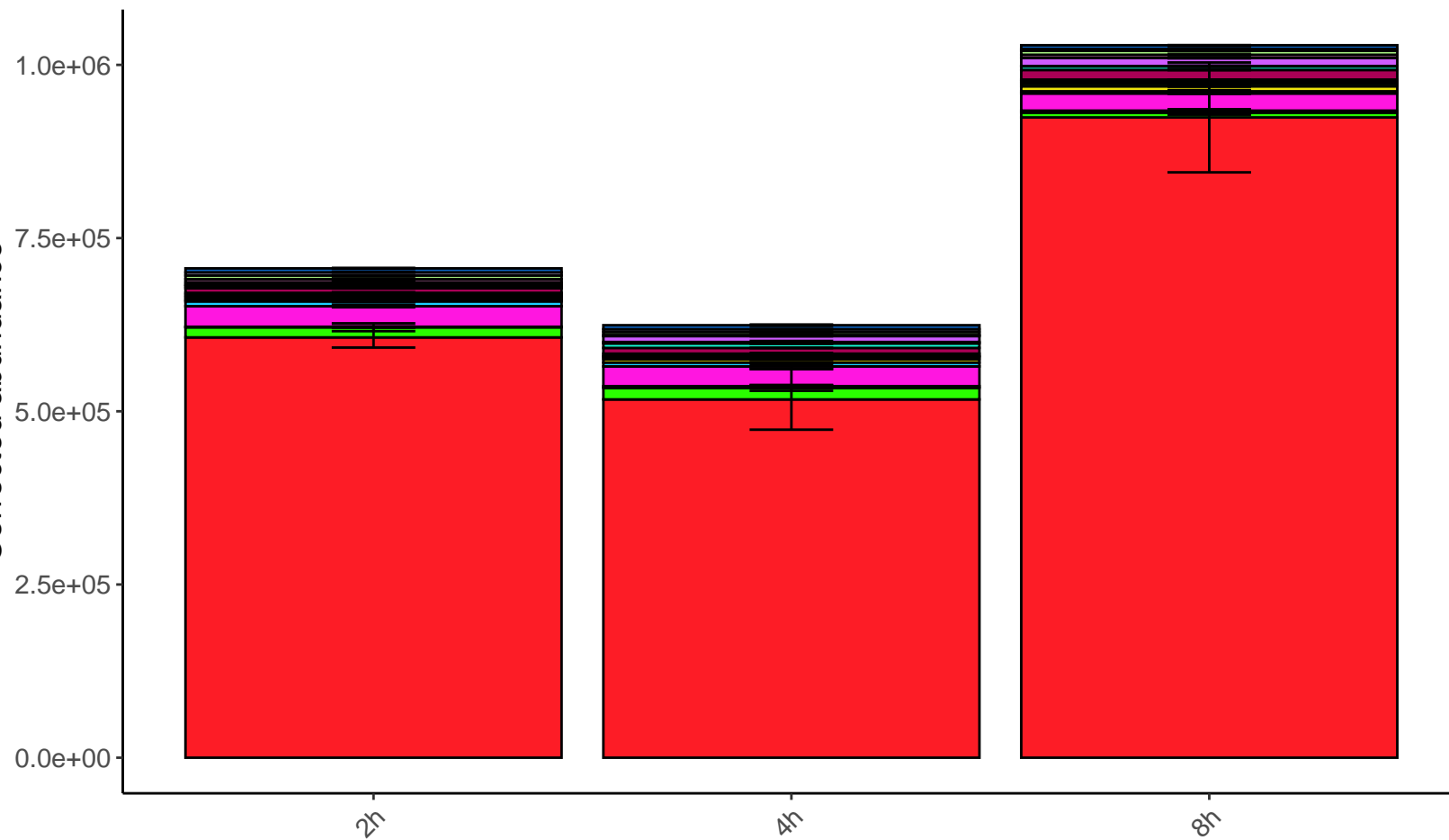
BSA

LPS853

SA

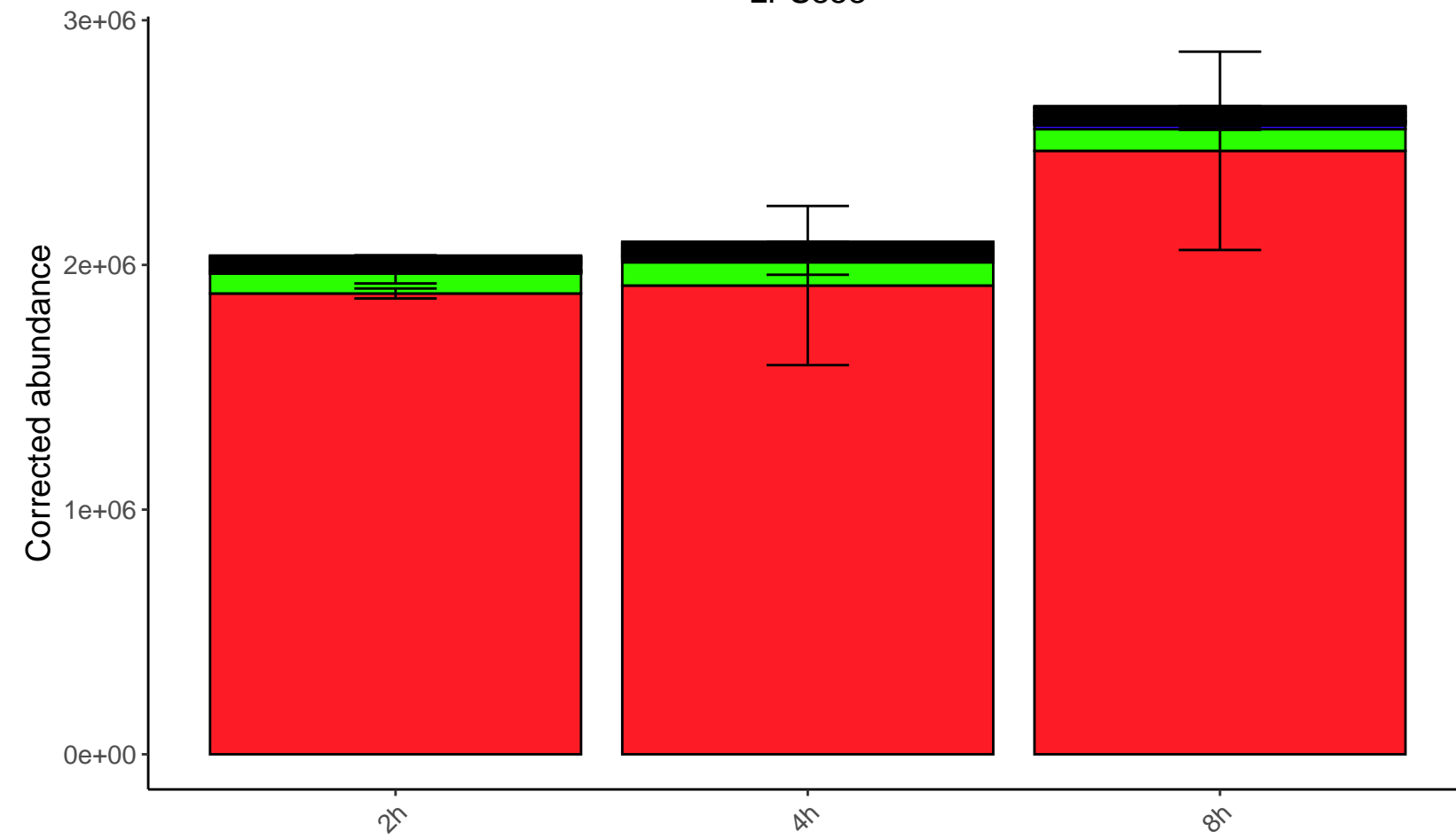
LPS853

Corrected abundance



C18:0

BSA  
LPS853



SA  
LPS853

