Mean absolute pathway flux

	HEK293 high NAD	293mitoPARP high NAD	HEK293 low NAD	293mitoPARP low NAD
Objective Function - ATP	100.88	100.88	71.56	66.49
Electron transport chain	37.78	37.78	27.55	25.14
Mitochondrial transporters - characterised	6.76	6.76	4.81	4.46
TCA cycle	2.78	2.78	2.07	1.83
GABA shunt	0.00	0.00	0.85	0.00
Malate aspartate shuttle	2.34	2.33	2.89	2.18
Glycolysis / gluconeogenesis	1.19	1.18	1.10	1.09
Fatty acid and ketone body metabolism	0.46	0.45	0.37	0.38
Reductive carboxylation	0.07	0.00	0.07	0.10
Carnitine shuttle	0.40	0.39	0.32	0.34
Serine and glycine biosynthesis	0.01	0.00	0.05	0.06
Glycine cleavage system	0.03	0.00	0.03	0.06
Mitochondrial transporters - uncharacterised	0.01	0.00	0.04	0.01
Tryptophan / Lysine metabolism	0.03	0.03	0.01	0.01
Glutamate degradation / synthesis	0.07	0.07	0.05	0.06
Lysine degradation	0.03	0.02	0.01	0.01
Ketogenesis / Leucine degradation	0.02	0.02	0.01	0.01