

Supplemental Table S4: External and internal metabolome analysis

	Internal			External			
	Δ6	PG10	PS38	Medium	Δ6	PG10	PS38
Sugar and sugar derived metabolites							
Fructose-1-phosphate	1,00	0,18	0,24				
Fructose-6-phosphate	1,00	0,51	0,39				
Glucitol	1,00	0,88	0,89	0,813	1,000	0,710	1,395
Gluconic acid	1,00	1,50	1,48	0,000	1,000	1,105	0,943
Gluconic acid δ-lactone	1,00	0,90	0,87	1,246	1,000	0,928	1,038
Glucose	1,00	1,31	1,34	1,226	1,000	0,958	1,062
Glucose-6-phosphat	1,00	0,71	0,50				
Hexoaldose	1,00	1,30	1,35	0,896	1,000	1,033	1,150
<i>myo</i> -Inositol	1,00	1,32	1,30	1,588	1,000	0,993	1,125
Ribose-5-phosphate	1,00	0,78	0,31				
Trehalose	1,00	1,46	1,56	0,984	1,000	1,073	1,218
Amino acids							
Alanine	1,00	1,38	1,21	1,980	1,000	1,189	1,728
Arginine	1,00	1,30	1,38	0,771	1,000	0,906	0,978
Aspartate	1,00	1,83	1,49	1,398	1,000	1,174	1,334
Glutamate	1,00	3,56	0,72	1,313	1,000	1,121	1,188
Glycine	1,00	0,88	0,71	1,322	1,000	1,032	1,226
Isoleucine	1,00	1,39	1,23	1,489	1,000	1,050	1,338
Leucine	1,00	1,41	1,31	1,464	1,000	1,065	1,383
Lysine	1,00	1,44	1,42	1,326	1,000	1,107	1,285
Ornithine	1,00	15,78	1,92	23,956	1,000	1,690	1,939
Phenylalanine	1,00	1,09	1,08	0,633	1,000	0,894	0,768
Proline	1,00	2,86	1,30	2,003	1,000	0,940	1,163
Serine	1,00	1,41	1,31	1,631	1,000	1,350	1,512
Threonine	1,00	1,48	1,36	1,410	1,000	1,166	1,348
Valine	1,00	1,32	1,21	1,439	1,000	1,051	1,307
Organic acids							
Citrate	1,00	0,70	0,41	0,341	1,000	1,014	1,143
Fumarate	1,00	1,33	0,94	0,346	1,000	0,882	1,151
Glycerate	1,00	1,23	0,87	1,310	1,000	1,072	1,178
Malate	1,00	1,60	1,60	1,733	1,000	2,352	2,649
Pyruvate	1,00	0,40	0,31	0,070	1,000	0,194	0,252
Succinate	1,00	1,38	1,19	1,497	1,000	1,033	1,217
Others							
Ethanolamine	1,00	1,18	1,09	1,036	1,000	1,048	1,249
GABA	1,00	1,62	1,40	2,362	1,000	1,189	1,425
Glycerol	1,00	1,06	1,06	1,480	1,000	1,277	1,362
Glycerol-3-phosphate	1,00	1,51	0,90	0,294	1,000	1,358	1,609
3-Phosphoglycerate	1,00	1,92	0,30				
Hexanetretol	1,00	1,31	1,41				
Phosphate	1,00	1,39	1,05	1,220	1,000	1,071	1,201
Threitol/Erythritol.	1,00	1,16	1,02	1,679	1,000	1,205	1,175
Urea	1,00	1,14	1,22	0,892	1,000	8,290	2,896
2-methyl-2,3-hydroxy propanate				1,643	1,000	1,042	1,147
Unknowns							
U 17.09	1,00	0,37	0,17	0,291	1,000	0,648	0,608
U20.51	1,00	1,09	1,08				
U21.86	1,00	1,14	1,06				
U29.42	1,00	1,54	1,59	1,260	1,000	1,317	1,625
U30.94	1,00	1,21	1,48	1,662	1,000	1,301	1,631
U 36.5	1,00	0,84	0,91				