Table S11. Reporter metabolites when comparing the DS17690 and Wis 54-1255 strains [1]. Ranked by significance. Top 40 best scoring metabolites are shown

Ranked by significance. Top 40 best scoring metabolites are	
Metabolite name	P-value
N-[L-5-amino-5-carboxypentanoyl]-L-cysteinyl-D-	0.00202
valine[c]	0.00292
sulfite[c]	0.00387
chitosan[e]	0.00795
glutathione[c]	0.01265
aminoacetaldehyde[c]	0.01458
D-glucosamine[e]	0.01651
1D-myo-inositol 3-phosphate[c]	0.01842
(S)-1-pyrroline-5-carboxylate[c]	0.02040
L-1-pyrroline-3-hydroxy-5-carboxylate[c]	0.02120
phenylacetate[p]	0.02120
D-glucosamine 6-phosphate[c]	0 .02121
phenylacetyl-CoA[p]	0 .02122
ADP[p]	0 .02356
phosphate[p]	0 .02391
D-glucosamine[c]	0 .02391
taurine[c]	0 .02717
N-formimidoyl-L-glutamate[c]	0 .02757
maltotriose[c]	0 .02767
(S)-3-(5-oxo-4,5-dihydro-3H-imidazol-4-yl)propanoate[c]	0 .02767
adenosine 3',5'-bisphosphate[c]	0 .02913
L-valine[c]	0 .02956
succinate semialdehyde[c]	0 .03015
D-galactonate[c]	0 .03175
carbamate[c]	0 .03331
cyanate[c]	0 .03375
2-dehydro-3-deoxy-D-galactonate[c]	0 .03375
2-dehydro-3-deoxy-D-gluconate[c]	0 .03462
maltose[c]	0 .03462
phosphate[c]	0 .03498
5-oxo-L-proline[c]	0 .03580
L-asparagine[c]	0 .03656
L-glutaminyl-tRNA(Gln)[c]	0 .03718
gamma-L-glutamyl-L-cysteine[c]	0 .03885
L-cysteinylglycine[c]	0 .04005
R-S-alanylglycine[c]	0 .04478
phenylacetyl-CoA[c]	0 .04478
L-isoleucine[c]	0 .05046
L-isoleucyl-tRNA(Ile)[c]	0 .05523
L-tyrosine[c]	0 .05523
thioredoxin disulfide[c]	0 .05746
thioredoxin dithiol[c]	0 .05858

References

1. Patil K	KR, Nielsen J (2005) Uncovering trans	scriptional regu	ulation of m	netabolism by	using met	abolic
1	network topology.	. Proc Natl Acad Sc	i U S A 102: 26	85-2689.			