

E. coli or *Salmonella* strain

	MG1655 W3110 EDL933 Sakai CFTO73 UTI89 LT2	MG1655 W3110 EDL933 Sakai CFTO73 UTI89 LT2	Carbon source
Aerobic			Formic acid
			L-Fucose
			D-Melibiose
			D-Aspartic acid
			1,2-Propanediol
			α -Keto-Butyric acid
			Sucrose
			M-Tartaric acid
			M-Inositol
			D-Threonine
			Glycolic acid
			Acetoacetic acid
			Tyramine
			L-Lyxose
			D-Galacturonic acid
			Phenylethylamine
Anaerobic			Succinic acid
			L-Proline
			Formic acid
			L-Fucose
			Acetic acid
			D-Melibiose
			D-Aspartic acid
			1,2-Propanediol
			α -Keto-Butyric acid
			M-Inositol
			D-Threonine
			Propionic acid
			Glycolic acid
			L-Threonine
			Acetoacetic acid
			Tyramine
		L-Lyxose	
		D-Galacturonic acid	
		Phenylethylamine	
Max Z=	V_{Biomass}	$V_{\text{RESP1}} + V_{\text{RESP2}}$	

- = False negative (*in silico* =N experimental =Y)
- = False positive (*in silico* =Y experimental =N)
- = In agreement
- = Metabolite not included in metabolic model