# The $E.\ coli$ molecular phenotype under different growth conditions

#### Supplementary material

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	structural constituent of ribosome     structural molecule activity		lowMg
			highMg
		structural constituent of ribosome     structural molecule activity	highNa
	structural constituent of ribosome     structural molecule activity		glycerol
			gluconate
	structural constituent of ribosome     structural molecule activity		lactate
В	mRNA	Protein	lowMg
В	mRNA	Protein	lowMg highMg
В	mRNA	Protein  1. structural constituent of ribosome 2. structural molecule activity	
В	mRNA	structural constituent of ribosome	highMg
В	mRNA	structural constituent of ribosome	highMg highNa

Figure S1: Significantly differentially expressed Molecular Functions generated by GO annotations. For each condition, we show the top-5 differentially expressed MF as determined by either mRNA or protein abundances. (A) exponential phase. (B) stationary phase.

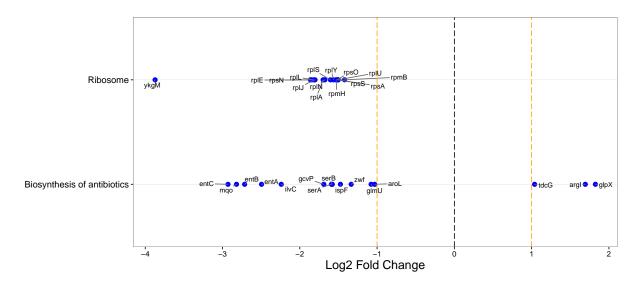


Figure S2: Significantly differentially expressed KEGG pathways and associated genes with glycerol as carbon source in exponential phase, as determined by mRNA abundances. The top differentially expressed KEGG pathways are shown along the y axis, and the relative fold change of the corresponding genes is shown along the x axis. In figure we show up to 10 most significantly changed pathways and for each pathway we show up to 15 of the most significantly changing genes.

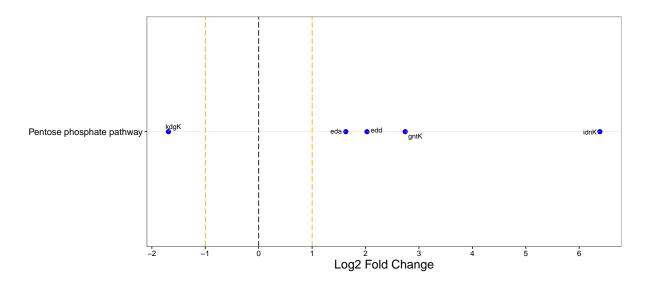


Figure S3: Significantly differentially expressed KEGG pathways and associated genes with gluconate as carbon source in exponential phase, as determined by mRNA abundances. The top differentially expressed KEGG pathways are shown along the y axis, and the relative fold change of the corresponding genes is shown along the x axis. In figure we show up to 10 most significantly changed pathways and for each pathway we show up to 15 of the most significantly changing genes.

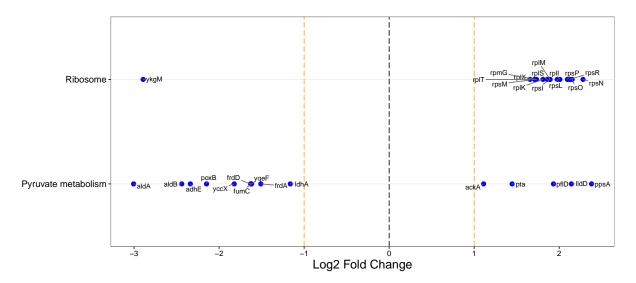


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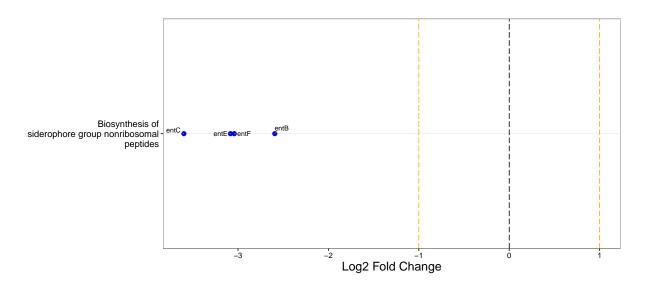


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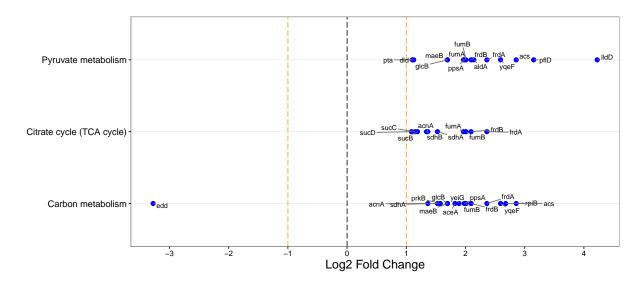


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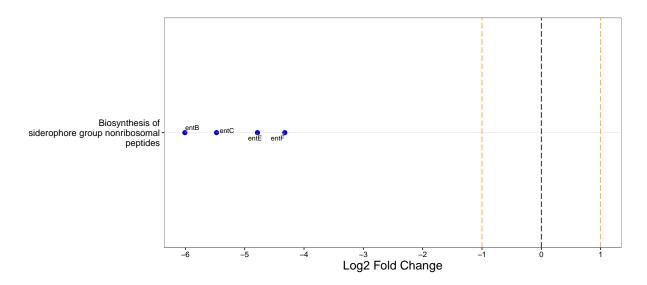


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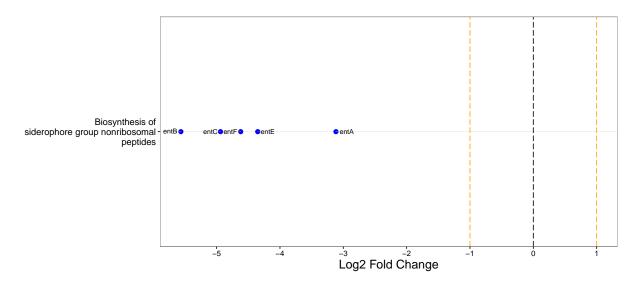


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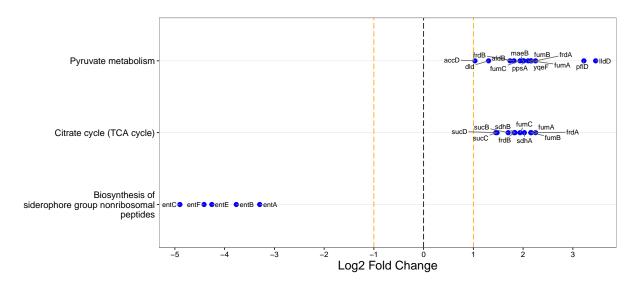


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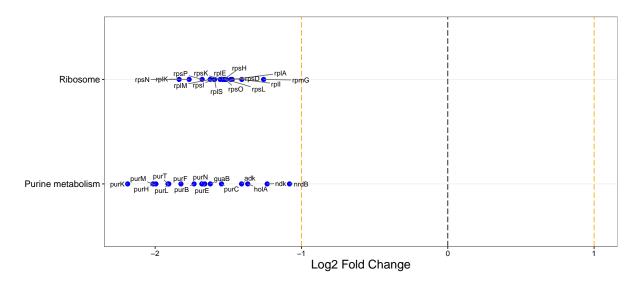


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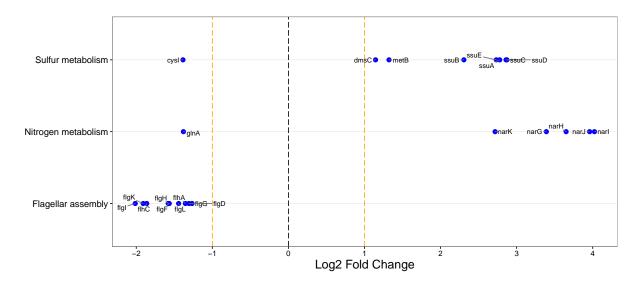


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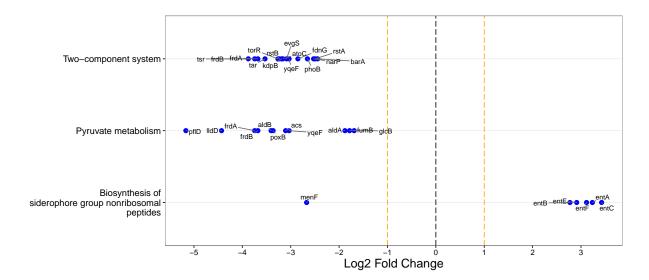


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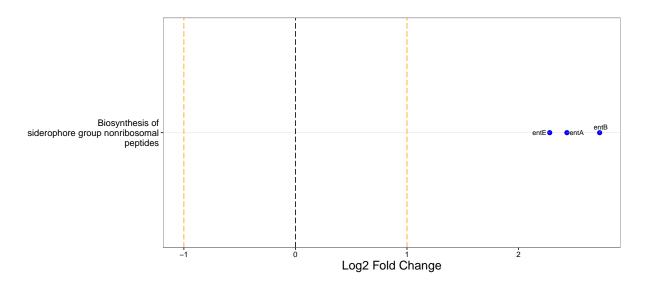


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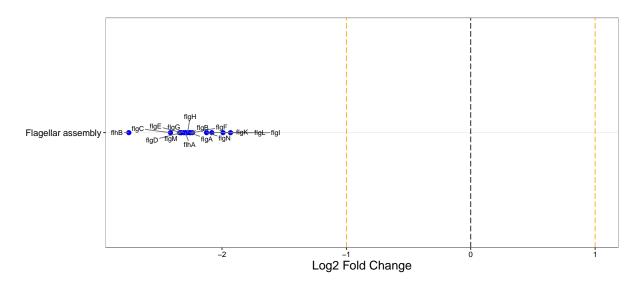


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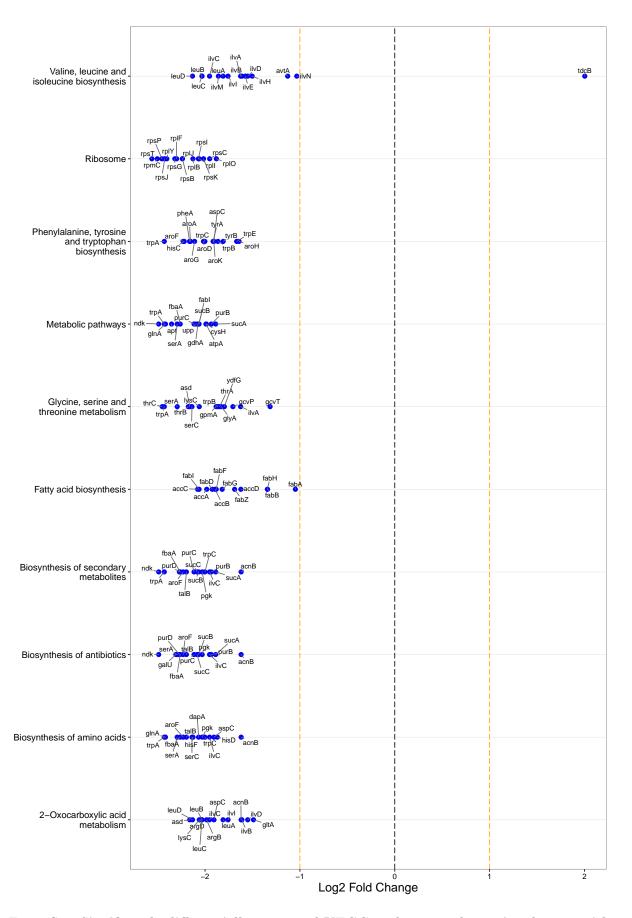


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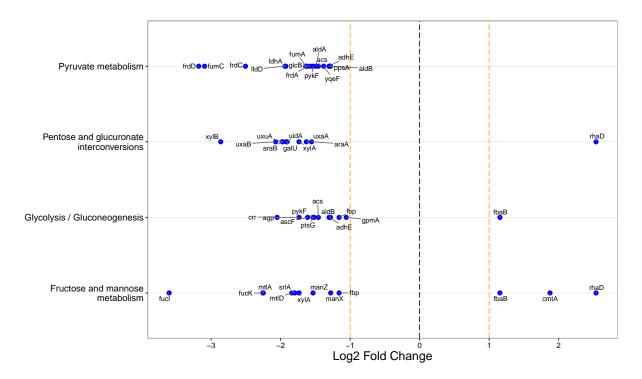


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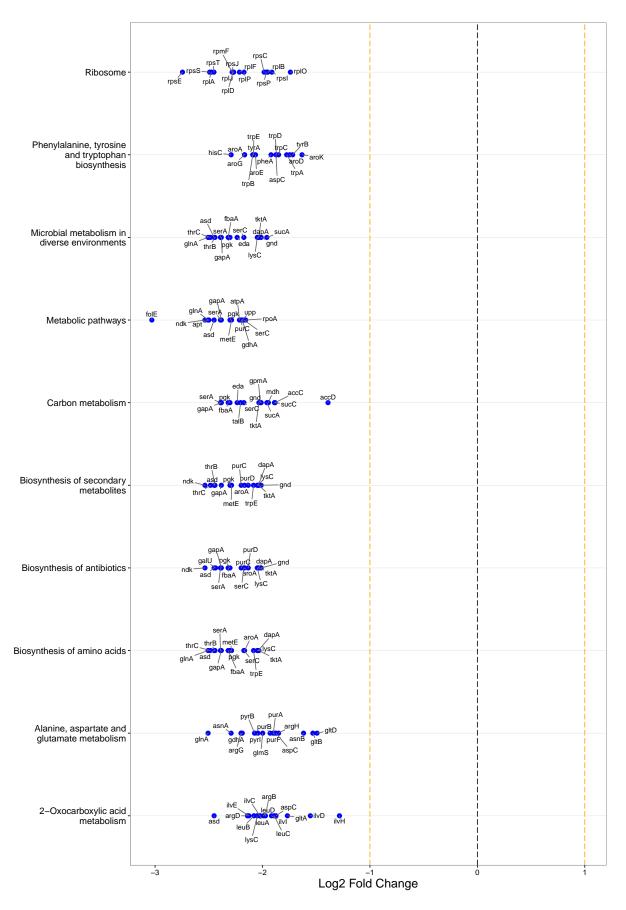


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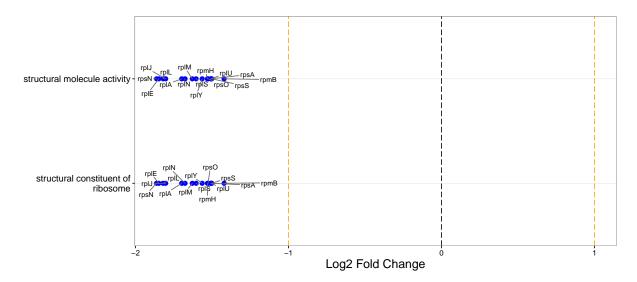


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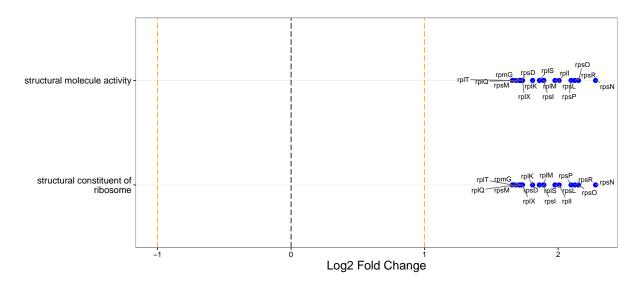


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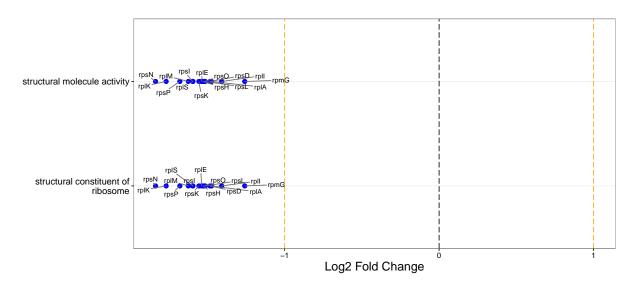


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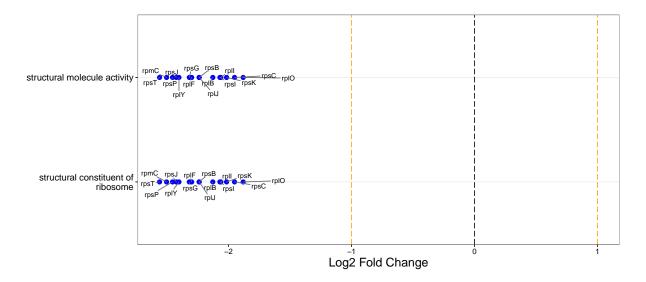


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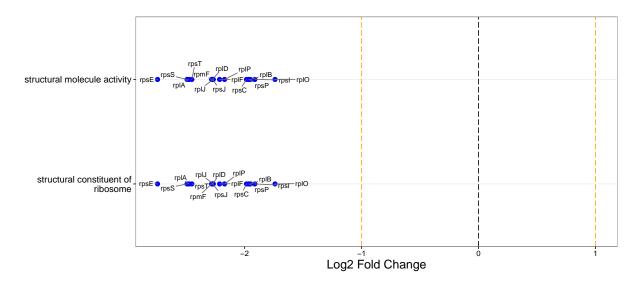


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