

Table S1: Summary of differentially regulated genes<sup>1</sup>

<b>General Pathway</b>	<b>15 min</b>	<b>45 min</b>	<b>1.5 h</b>	<b>2 h</b>	<b>3 h</b>	<b>6 h</b>	<b>Total Genes</b>
Amino acid biosynthesis	13	12	10	17	17	23	37
Biosynthesis of cofactors, and prosthetic groups	17	19	12	17	17	23	41
Cell envelope	12	9	3	12	11	16	25
Cellular processes	19	18	13	15	17	17	39
Central intermediary metabolism	3	3	2	1	2	7	11
DNA replication	4	8	2	2	2	3	13
Energy metabolism	17	16	10	13	19	19	37
Fatty acid, phospholipid and sterol metabolism	6	7	4	7	9	8	19
Photosynthesis and respiration	48	59	36	31	37	51	100
Purines, pyrimidines, nucleosides, and nucleotides	4	3	1	2	3	3	6
Regulatory functions	22	21	16	24	23	22	49
Transcription	10	9	2	7	7	14	21
Translation	57	54	21	25	33	44	97
Transport and binding proteins	29	18	10	19	21	32	55
Other categories	34	27	19	25	27	31	73
Hypothetical	182	136	98	131	157	201	395
Unknown	82	72	38	55	80	85	174
Not Specified <sup>2</sup>	5	6	1	6	5	4	10
<b>Total</b>	<b>564</b>	<b>497</b>	<b>298</b>	<b>409</b>	<b>487</b>	<b>603</b>	<b>1202</b>

<sup>1</sup>Genes were considered as differentially regulated if the fold change was  $>\pm 1.3$  and p value  $<0.01$

<sup>2</sup>Probes belonging to ORF that were not identified by Kazusa