

1 **Table S3.** Genes upregulated or downregulated upon inactivation of the *P. putida rnr*  
2 genes, grouped in gene categories. Percentages are calculated relative to the  
3 total number of upregulated plus downregulated genes.  
4

Gene category	Upregulated Genes		Downregulated Genes	
	Number	Percent	Number	Percent
Amino acid biosynthesis	6	3	0	0
Biosynthesis of cofactors, prosthetic groups, and carriers	19	9.5	2	1
Cell envelope	6	3	0	0
Central intermediary metabolism	1	0.5	0	0
Cellular processes	16	8	2	1
DNA metabolism	8	4	1	0.5
Energy metabolism	12	6	4	2
Fatty acid and phospholipid metabolism	3	1.5	1	0.5
Hypothetical protein	36	18	5	2.5
Other categories	1	0.5	1	0.5
Protein fate	3	1.5	1	0.5
Purines, pyrimidines, nucleosides, and nucleotides	3	1.5	0	0
Protein synthesis	7	3.5	3	1.5
Regulatory functions	18	9	0	0
Signal transduction	0	0	0	0
Transcription	2	1	1	0.5
Transport and binding proteins	16	8.0	6	3
Unknown function	15	7.5	0	0
Total genes	172	86.4	27	13.6