

Table S5. Differentially Expressed Genes at 36 h (RNA-Seq).

Genes up-regulated (FC > 2; green shadowed) and down-regulated (FC < -2; magenta shadowed) in the mutant strain *S. coelicolor* M145 Δ *abrB* relative to wild type in NMMP at 36 hours. The indicated genes passed the filter $\text{padj} \leq 0.05$.

Gene ID	Gene Name	FC	p-value	padj	Description	Reference
<i>SCO0644</i>	-	-2.1	4.2E-05	3.0E-03	Unknown protein	-
<i>SCO1105</i>	-	2.5	5.5E-08	1.5E-05	Unknown protein	-
<i>SCO1294</i>	-	2.4	2.4E-04	1.1E-02	Methionine Gamma-Lyase	-
<i>SCO1528</i>	-	2.9	4.7E-04	1.9E-02	Elongation Factor G	-
<i>SCO1550</i>	-	-2.2	4.1E-05	3.0E-03	Unknown protein	-
<i>SCO1573</i>	-	-2.1	7.6E-04	2.8E-02	Oxidoreductase	-
<i>SCO1611</i>	-	2.2	9.3E-08	2.1E-05	Dehydrogenase	(Krysenko et al., 2019)
<i>SCO1612</i>	-	2.3	1.5E-06	2.2E-04	Dehydrogenase	(Krysenko et al., 2019)
<i>SCO1613</i>	<i>glnA4</i>	2.3	8.1E-07	1.3E-04	Glutamine Synthetase	(Krysenko et al., 2019)
<i>SCO1700</i>	-	-2.0	6.6E-04	2.5E-02	Unknown protein	-
<i>SCO1705</i>	-	2.2	8.1E-04	2.8E-02	Oxidase	-
<i>SCO1706</i>	-	2.9	3.3E-05	3.0E-03	Dehydrogenase	-
<i>SCO1746</i>	-	3.0	3.4E-07	6.0E-05	Protease	-
<i>SCO2113</i>	<i>bfr</i>	-2.9	1.5E-04	8.0E-03	Bacterioferritin	-
<i>SCO2165</i>	<i>abrB1</i>	-18.8	1.8E-13	1.3E-10	TCS Response Regulator	This work
<i>SCO2166</i>	<i>abrB2</i>	-39.6	2.0E-20	3.9E-17	TCS Histidine Kinase	This work
<i>SCO2275</i>	-	2.1	5.3E-04	2.1E-02	Iron Transporter	-
<i>SCO2360</i>	-	-4.0	1.8E-05	2.0E-03	Unknown protein	-
<i>SCO2494</i>	-	4.0	1.5E-05	1.0E-03	Pyruvate Phosphate Dikinase	(Llamas-Ramírez et al., 2020)
<i>SCO2517</i>	<i>ecrA2</i>	2.4	2.0E-03	4.9E-02	TCS Response Regulator	(Li et al., 2004)
<i>SCO2518</i>	<i>ecrA1</i>	2.5	5.3E-04	2.1E-02	TCS Histidine Kinase	(Li et al., 2004)

<i>SCO2519</i>	-	4.7	7.9E-05	5.0E-03	Transporter	-
<i>SCO2616</i>	-	3.0	1.5E-05	1.0E-03	Unknown protein	-
<i>SCO2722</i>	-	-5.3	5.2E-16	5.6E-13	Transporter	-
<i>SCO2723</i>	-	-6.6	2.4E-23	9.3E-20	Transporter	-
<i>SCO2783</i>	<i>desB</i>	-2.1	1.5E-04	8.0E-03	Monooxygenase	(Barona-Gómez et al., 2004)
<i>SCO2785</i>	<i>desD</i>	-2.1	1.6E-04	8.0E-03	Siderophore Synthetase	(Barona-Gómez et al., 2004)
<i>SCO2967</i>	-	-2.1	2.0E-04	1.0E-02	Protease	-
<i>SCO2979</i>	<i>aglF</i>	2.3	1.5E-04	8.0E-03	Sugar Transporter	(Bertram et al., 2004)
<i>SCO2980</i>	<i>aglG</i>	2.3	1.4E-04	8.0E-03	Sugar Transporter	(Bertram et al., 2004)
<i>SCO3589</i>	<i>vanS</i>	-2.2	1.8E-05	2.0E-03	TCS Histidine Kinase	(Hong et al., 2004)
<i>SCO3590</i>	<i>vanR</i>	-2.5	9.1E-06	9.4E-04	TCS Response Regulator	(Hong et al., 2004)
<i>SCO3592</i>	<i>vanJ</i>	-3.9	1.1E-04	6.0E-03	Unknown protein	(Hong et al., 2004)
<i>SCO3593</i>	<i>vanK</i>	-4.2	1.7E-06	2.4E-04	Transferase	(Hong et al., 2004)
<i>SCO3594</i>	<i>vanH</i>	-4.0	1.6E-06	2.4E-04	D-Lactate Dehydrogenase	(Hong et al., 2004)
<i>SCO3595</i>	<i>vanA</i>	-4.3	2.3E-07	4.5E-05	D-Alanine: D-Lactate Ligase	(Hong et al., 2004)
<i>SCO3596</i>	<i>vanX</i>	-3.6	1.3E-04	7.0E-03	D-Alanine: D-Alanine Dipeptidase	(Hong et al., 2004)
<i>SCO3657</i>	-	2.9	5.3E-08	1.5E-05	Unknown protein	-
<i>SCO3731</i>	<i>scoF1</i>	-2.3	8.3E-05	5.0E-03	Cold-Shock Protein	(Kormanec and Sevcikova, 2000)
<i>SCO4002</i>	<i>nepA</i>	2.5	1.2E-04	7.0E-03	Structural Protein	(de Jong et al., 2009)
<i>SCO4011</i>	-	-2.5	2.4E-08	7.7E-06	Unknown protein	-
<i>SCO4043</i>	-	-2.0	7.4E-04	2.7E-02	Unknown protein	-
<i>SCO4189</i>	-	3.0	2.2E-05	2.0E-03	Unknown protein	-
<i>SCO4214</i>	-	-2.2	5.2E-04	2.1E-02	Unknown protein	-
<i>SCO4224</i>	-	-2.3	2.0E-04	1.0E-02	Lanthionine Synthetase	(Darbon et al., 2012)
<i>SCO4979</i>	<i>pckG</i>	3.7	1.5E-04	8.0E-03	Phosphoenolpyruvate Carboxykinase	(Llamas-Ramírez et al., 2020)
<i>SCO5031</i>	<i>ahpD</i>	-3.1	1.2E-05	1.0E-03	Alkyl Hydroperoxide Reductase	(Hahn et al., 2002)
<i>SCO5142</i>	-	-2.2	1.0E-03	3.9E-02	Unknown protein	-

SCO5207	-	4.2	2.5E-06	3.2E-04	Unknown protein	-
SCO5232	<i>dasA</i>	-2.4	1.3E-04	7.0E-03	Sugar Transporter	(Saito et al., 2007)
SCO5249	-	3.1	1.4E-09	7.4E-07	Nucleotide Binding Protein	-
SCO5250	-	2.3	9.0E-04	3.1E-02	Polyprenyl Synthetase	-
SCO5402	-	-3.4	9.8E-06	1.0E-03	Protease	-
SCO5403	<i>rapA1</i>	-3.3	3.1E-06	3.6E-04	TCS Response Regulator	(Lu et al., 2007)
SCO5404	<i>rapA2</i>	-3.0	1.1E-05	1.0E-03	TCS Histidine Kinase	(Lu et al., 2007)
SCO5447	-	5.5	3.2E-15	2.7E-12	Protease	(Kim et al., 2008)
SCO5575	-	-2.0	1.0E-03	4.2E-02	Unknown protein	-
SCO5883	<i>redU</i>	2.5	1.0E-03	3.9E-02	Unknown protein	-
SCO5884	-	3.3	1.4E-08	5.1E-06	Unknown protein	-
SCO5885	-	3.9	1.5E-14	1.1E-11	Unknown protein	-
SCO5888	<i>redP</i>	3.4	3.3E-06	3.7E-04	Reductase	(Cerdeño et al., 2001)
SCO5889	<i>redO</i>	3.7	1.1E-06	1.6E-04	Unknown protein	(Cerdeño et al., 2001)
SCO5890	<i>redN</i>	3.0	2.8E-07	5.3E-05	Synthase	(Cerdeño et al., 2001)
SCO5891	<i>redM</i>	3.0	5.9E-08	1.5E-05	Synthase	(Cerdeño et al., 2001)
SCO5892	<i>redL</i>	2.8	2.7E-08	8.4E-06	Synthase	(Cerdeño et al., 2001)
SCO5893	<i>redK</i>	3.3	6.6E-09	2.7E-06	Oxidoreductase	(Cerdeño et al., 2001)
SCO5894	<i>redJ</i>	3.1	1.1E-07	2.3E-05	Thioesterase	(Cerdeño et al., 2001)
SCO5895	<i>redI</i>	3.5	2.5E-09	1.1E-06	Methyltransferase	(Cerdeño et al., 2001)
SCO5896	<i>redH</i>	3.2	3.1E-10	1.7E-07	Synthetase	(Cerdeño et al., 2001)
SCO5897	<i>redG</i>	2.5	2.5E-05	2.0E-03	Oxidase	(Cerdeño et al., 2001)
SCO6026	<i>fadB1</i>	2.4	5.8E-04	2.3E-02	Fatty Acid Oxidation Complex	(Menéndez-Bravo et al., 2017)
SCO6027	<i>fadA1</i>	2.6	1.6E-04	8.0E-03	Thiolase	(Menéndez-Bravo et al., 2017)
SCO6045	-	2.7	1.9E-07	3.8E-05	Unknown protein	-
SCO6282	<i>cpkI</i>	2.8	8.9E-05	6.0E-03	Reductase	(Pawlik et al., 2007)
SCO6286	<i>scbr2</i>	2.1	8.0E-05	5.0E-03	Regulatory Protein	(Xu et al., 2010)

SCO6414	-	3.2	1.4E-07	3.0E-05	Ureidopropionase	-
SCO6415	hyuA	3.3	1.6E-09	8.0E-07	Hydantoinase	-
SCO6416	-	3.1	4.6E-08	1.3E-05	Dehydrogenase	-
SCO6440	mfnB	9.9	5.8E-16	5.6E-13	Synthase	-
SCO6441	-	9.8	1.4E-17	2.2E-14	Dehydrogenase	-
SCO6442	-	9.4	2.1E-16	2.7E-13	Dehydrogenase	-
SCO6443	-	9.4	6.9E-13	4.2E-10	Methyltransferase	-
SCO6543	-	4.0	5.0E-05	4.0E-03	Unknown protein	-
SCO6728	-	-2.6	4.5E-04	1.9E-02	Unknown protein	-
SCO7229	-	-2.2	1.0E-03	3.9E-02	Unknown protein	-
SCO7460	-	-2.3	4.0E-07	6.8E-05	Unknown protein	-
SCO7536	-	-26.6	1.5E-55	1.2E-51	Transporter	-
SCO7612	-	-2.4	8.7E-08	2.1E-05	Unknown protein	-

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