



Boxes represent probable operons

ID	$\Delta hrpG$	$hrpB \Delta$	$pBBL12$	Gene	Description
HrpG-activated independently from HrpB					
RSc0107		2.08	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSc0117		2.16	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSc0118		2.42	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSc0158		2.17	0.00		ARGINASE
RSc0215	-1.72	0.01	2.19	0.01	OXIDOREDUCTASE COG1028
RSc0217		2.82	0.00		OXIDOREDUCTASE COG0667
RSc0232	1.16	0.01	4.53	0.00	HYPOTHETICAL PROTEIN
RSc0293		2.70	0.00		SIGNAL PEPTIDE
RSc0581	-1.11	0.00	1.88	0.00	PHOSPHOGLYCOLATE PHOSPHATASE
RSc0582	-1.98	0.00	1.70	0.00	<i>P. syringae</i> AVR-DRELATED PROTEIN
RSc0720	-3.07	0.00	1.45	0.03	TRANSMEMBRANE TYPE 4 FIMBRIAL BIOGENESIS PROTEIN PILW-RELATED PROTEIN
RSc0766		4.52	0.01	<i>cfa2</i>	CYCLOPROPANE-FATTY-ACYL-PHOSPHOLIPID SYNTHASE
RSc0812		2.45	0.00	<i>sorB</i>	OXIDOREDUCTASE SULFITE:CYTOCHROME C OXIDOREDUCTASE (SUBUNIT A)
RSc0931		2.27	0.00		SIGNAL PEPTIDE
RSc0957	-2.37	0.03			HYPOTHETICAL PROTEIN
RSc1027		2.60	0.00		TRANSMEMBRANE
RSc1197		3.06	0.00		OXIDOREDUCTASE COG1804
RSc1496		4.01	0.02		HYPOTHETICAL PROTEIN
RSc1622		2.33	0.00		TRANSMEMBRANE
RSc1650		2.13	0.00		SIGNAL PEPTIDE
RSc1651		2.14	0.00		TWIN-ARGININE TRANSLOCATION PATHWAY SIGNAL SEQUENCE DOMAIN PROTEIN
RSc1676		2.81	0.00		HYPOTHETICAL PROTEIN
RSc1725		4.00	0.00		HYPOTHETICAL PROTEIN
RSc1726		3.96	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSc1727		3.81	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSc1733		3.44	0.00		SPERMIDINE/PUTRESCINE-BINDING PERIPLASMIC PROTEIN
RSc1756	-3.09	0.00	3.10	0.00	<i>pehB</i> SIGNAL PEPTIDE EXO-POLY-GALACTURONOSIDASE
RSc1910		2.01	0.00		TRANSMEMBRANE
RSc1926	0.71	0.01	2.13	0.00	TRANSMEMBRANE
RSc1927		1.85	0.00		HYPOTHETICAL PROTEIN
RSc1969		2.08	0.00		TRANSMEMBRANE
RSc2024	-2.10	0.01			TRANSMEMBRANE COG1279
RSc2107		3.02	0.00	<i>rsI</i>	FUCOSE-BINDING LECTIN
RSc2131		3.08	0.00		HYPOTHETICAL PROTEIN
RSc2138		3.26	0.00		TRANSCRIPTION REGULATOR COG1733
RSc2281		2.00	0.03		TRANSMEMBRANE
RSc2282	-1.64	0.04	2.16	0.00	HYPOTHETICAL PROTEIN
RSc2283		1.98	0.00		HYPOTHETICAL PROTEIN
RSc2284	0.49	0.05	2.61	0.11	TRANSMEMBRANE COG3713
RSc2285	-3.43	0.00	3.22	0.00	<i>Agrobacterium</i> VIRK-LIKE PROTEIN
RSc2286	-3.06	0.00	3.58	0.00	CYCLOPROPANE FATTY ACID SYNTHASE
RSc2328	-2.78	0.00			SIGNAL PEPTIDE COG0596
RSc2566		2.27	0.00		METHYLATED-DNA--PROTEIN-CYSTEINE METHYLTRANSFERASE
RSc2858		2.80	0.00		ZINC PROTEASE
RSc2885				<i>trpC1</i>	INDOLE-3-GLYCEROL PHOSPHATE SYNTHASE
RSc2906		2.10	0.00		TRANSMEMBRANE
RSc2910		2.50	0.00		SIGNAL PEPTIDE
RSc3072		2.35	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSc3101	-5.08	0.00	3.43	0.00	SERINE PROTEASE
RSc3288		4.31	0.00		MANNOSE/FUCOSE-BINDING LECTIN
RSc3296		2.20	0.00	<i>sdaA2</i>	L-SERINE AMONYA-LYASE, L-SERINE DEHYDRATASE 2 (L-SERINE DEAMINASE)
RSc3315		2.74	0.00		TRANSMEMBRANE
RSp0002	2.47	0.00	3.41	0.00	<i>cspD3</i> TRANSCRIPTION REGULATOR COLD SHOCK-LIKE PROTEIN
RSp0071		2.25	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSp0072	-2.60	0.02	2.61	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSp0101		3.14	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSp0161		4.17	0.00		TRANSMEMBRANE
RSp0162		4.20	0.00	<i>egl</i>	ENDOGLUCANASE PRECURSOR (ENDO-1,4-BETA-GLUCANASE)
RSp0198	-2.41	0.00	1.89	0.00	TRANSMEMBRANE
RSp0199					TRANSMEMBRANE
RSp0200		3.23	0.00		ORNITHINE/ACETYLORNITHINE AMINOTRANSFERASE
RSp0201		5.17	0.00		CONSERVED HYPOTHETICAL PROTEIN
RSp0275		3.78	0.00		TRANSMEMBRANE
RSp0294		2.62	0.01		HEMOLYSIN-TYPE CALCIUM-BINDING PROTEIN
RSp0338		2.37	0.00	<i>epsR</i>	TRANSCRIPTION REGULATOR NEGATIVE REGULATOR OF EXOPOLYSACCHARIDE PRODUCTION
RSp0405		2.68	0.00		HYPOTHETICAL PROTEIN
RSp0406		3.32	0.00		HYPOTHETICAL PROTEIN
RSp0466	-3.90	0.01			HYPOTHETICAL PROTEIN
RSp0473		2.10	0.01		TRANSMEMBRANE
RSp0487		3.08	0.00		ACETYLORNITHINE DEACETYLASE
RSp0506		2.14	0.00		TRANSMEMBRANE GLYCIN-RICH PROTEIN
RSp0535		3.37	0.01		TRANSCRIPTION REGULATOR LysR Family
RSp0536	-1.43	0.01	1.53	0.00	TRANSMEMBRANE SUGAR-PROTON SYMPORTER
RSp0596		2.77	0.00		TRANSMEMBRANE
RSp0603	-2.65	0.00	3.13	0.00	SERINE PROTEASE
RSp0676	-2.02	0.00	3.92	0.00	<i>metE</i> 5-METHYLTETRAHYDROPTEROYLTRIGLUTAMATE--HOMOCYSTEINE METHYLTRANSFERASE
RSp0678	3.80	0.00	2.65	0.00	<i>pdxH2</i> OXIDOREDUCTASE PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (PNP/PMP OXIDASE)
RSp0679	4.24	0.00	2.12	0.00	DIAMINOPIMELATE DECARBOXYLASE
RSp0680	3.26	0.00	2.18	0.00	<i>trpC2</i> INDOLE-3-GLYCEROL PHOSPHATE SYNTHASE
RSp0681	1.47	0.00	1.20	0.00	<i>trpD2</i> ANTHRANILATE PHOSPHORIBOSYLTRANSFERASE (GLYCOSYLTRANSFERASE)
RSp0682	4.94	0.00	2.72	0.00	OXIDOREDUCTASE TRIMETHYLAMINE DEHYDROGENASE
RSp0683	4.26	0.00	2.58	0.00	COG0325, Predicted enzyme with a TIM-barrel fold
RSp0684 RS	4.35	0.00	2.69	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSp0685	3.93	0.00	3.83	0.00	TRANSMEMBRANE
RSp0881					TRANSMEMBRANE GLYCOSYL HYDROLASE
RSp0883	-1.56	0.02	3.11	0.00	CHAPERONIN GroEL-RELATED PROTEIN
RSp0898	-3.53	0.02		<i>dsbA2</i>	SIGNAL PEPTIDE THIOL:DISULFIDE INTERCHANGE PROTEIN
RSp0906	-0.55	0.03	2.54	0.00	SIGNAL PEPTIDE
RSp0957		1.20	0.00		HYPOTHETICAL PROTEIN
RSp0983		2.38	0.02		TRANSCRIPTION REGULATOR LuxR family
RSp1112	-2.47	0.03			TRANSMEMBRANE TRANSMEMBRANE MULTIDRUG EFFLUX SYSTEM PROTEIN
RSp1124	-2.66	0.00	2.61	0.00	OXIDOREDUCTASE
RSp1125	-3.26	0.00	1.96	0.02	HYPOTHETICAL PROTEIN
RSp1260		5.02	0.00		HYPOTHETICAL PROTEIN
RSp1364	-4.71	0.02		<i>sucA</i>	OXIDOREDUCTASE 2-OXOGLUTARATE DEHYDROGENASE E1 DECARBOXYLASE COMPONENT
RSp1417	-1.10	0.00	2.21	0.00	PERMEASE
RSp1418	-3.49	0.00	3.02	0.00	HYDROLASE
RSp1419	-3.09	0.00	2.80	0.00	PEPTIDE SYNTHASE
RSp1425		1.77	0.00	<i>pvdA</i>	OXIDOREDUCTASE L-ORNITHINE 5-MONOXYGENASE
RSp1428		2.99	0.02		COG0607, Rhodanese-related sulfurtransferase
RSp1447		4.82	0.00		ABC TRANSPORTER

RSp1461	-3.58	0.00	3.63	0.00	SIGNAL PEPTIDE
RSp1462			3.96	0.00	OUTER-MEMBRANE EFFLUX PROTEIN
RSp1463			3.88	0.00	ABC TRANSPORTER HlyD family secretion protein
RSp1464			3.23	0.00	ABC TRANSPORTER ABC-type transport system, ATPase component
RSp1466			4.56	0.00	SIGNAL PEPTIDE
RSp1467			2.99	0.00	SIGNAL PEPTIDE
RSp1529	-1.23	0.01	4.00	0.00	ETHYLENE-FORMING-ENZYME (EC 1.14.11.-)
RSp1581	-1.97	0.00	2.67	0.00	katE OXIDOREDUCTASE CATALASE hydroperoxidase HP11
RSp1604			1.49	0.00	TRANSMEMBRANE
RSp1610	-4.43	0.00	2.68	0.00	HYPOTHETICAL PROTEIN
RSp1670			2.43	0.00	SIGNAL PEPTIDE

HrpG-repressed independently from HrpB

RSc0018	-0.28	0.42	-2.06	0.00	TRANSCRIPTION REGULATOR RESPONSE REGULATOR
RSc0380					nasE ABC TRANSPORTER NITRATE TRANSMEMBRANE PROTEIN
RSc0392					SIGNAL PEPTIDE PROLIN-RICH PROTEIN
RSc0416			-3.07	0.00	COG0693, Intracellular protease/amidase
RSc0599					TRANSCRIPTION REGULATOR (GNTR FAMILY)
RSc0823					HYPOTHETICAL PROTEIN
RSc0831					secA2 PREPROTEIN TRANSLOCASE SUBUNIT SecA (ATPase, RNA helicase) - RELATED PROTEIN
RSc0921			-2.06	0.00	ABC TRANSPORTER TRANSMEMBRANE PROTEIN
RSc0922			-3.54	0.00	ABC TRANSPORTER COG1464, ABC-type metal ion transport system, periplasmic component/surface antigen
RSc0962			-3.16	0.00	TRANSCRIPTION REGULATOR BACTERIOPHAGE DNA-BINDING PROTEIN
RSc1013					RIBOKINASE
RSc1023	0.25	0.89	-2.07	0.00	hscB CHAPERONE PROTEIN
RSc1024	0.19	0.81	-2.22	0.00	hscA CHAPERONE PROTEIN
RSc1025	0.42	0.53	-2.04	0.00	fdx FERREDOXIN [2FE-2S]
RSc1026			-2.09	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSc1040	0.10	0.74	-0.71	0.00	rne RIBONUCLEASE E (RNASE E)
RSc1171	-0.03	0.65	-2.51	0.00	lysC ASPARTATE KINASE
RSc1287	-0.25	0.61	-2.00	0.05	CONSERVED HYPOTHETICAL PROTEIN
RSc1341	0.14	0.98	-2.21	0.01	ssuB ABC TRANSPORTER ALIPHATIC SULFONATES ATP-BINDING PROTEIN
RSc1673			-2.93	0.00	HYPOTHETICAL PROTEIN
RSc1743					HYPOTHETICAL PROTEIN
RSc1863			-5.13	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSc2050			-2.98	0.04	nuoM OXIDOREDUCTASE TRANSMEMBRANE NADH DEHYDROGENASE I (CHAIN M)
RSc2068	0.15	0.54	-2.48	0.00	SIGNAL PEPTIDE
RSc2678	0.32	0.18	-2.75	0.01	TRANSMEMBRANE TYPE 4 FIMBRIAL BIOGENESIS PILV-RELATED PROTEIN
RSc2680			-2.22	0.00	TRANSMEMBRANE TYPE 4 FIMBRIAL BIOGENESIS PROTEIN
RSc2731			-2.32	0.00	panD ASPARTATE 1-DECARBOXYLASE PRECURSOR
RSc2861					fruB MULTIPHOSPHORYL TRANSFER PROTEIN MTP
RSc2919			-3.16	0.01	TRANSMEMBRANE IRON TRANSPORT - SENSORY TRANSDUCTION PROTEIN
RSc2955	0.26	0.62	-2.36	0.02	ABC TRANSPORTER COG0842, ABC-type multidrug transport system, permease component
RSc3027	-0.20	0.40	-2.35	0.04	SIGNAL PEPTIDE
RSc3067	0.07	0.65	-2.05	0.00	TRANSMEMBRANE
RSc3168			-3.16	0.00	SRso1 ISRso13-TRANSPOSASE
RSc3179			2.22	0.00	TRANSPOSASE
RSc3386			-1.74	0.01	ABC TRANSPORTER COG1464, ABC-type metal ion transport system, periplasmic component/surface antigen
RSc3420					HYPOTHETICAL PROTEIN
RSp0005			-2.11	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSp0025			-1.40	0.01	HYPOTHETICAL PROTEIN
RSp0147					HYPOTHETICAL PROTEIN
RSp0150					TRANSMEMBRANE GENERAL SECRETION PATHWAY GSPG-RELATED PROTEIN
RSp0175			-2.12	0.00	VGR-RELATED PROTEIN
RSp0176					CONSERVED HYPOTHETICAL PROTEIN
RSp0178			-2.74	0.00	HYPOTHETICAL PROTEIN
RSp0244	-0.86	0.05	-3.14	0.01	SIGNAL PEPTIDE OUTER MEMBRANE HEMIN RECEPTOR
RSp0285					TRANSCRIPTION REGULATOR (LUXR FAMILY)
RSp0332	-0.28	0.11	-2.35	0.00	acnB TRANSMEMBRANE ACONITATE HYDRATASE 2
RSp0456			-2.28	0.03	SIGNAL PEPTIDE
RSp0513					TRANSMEMBRANE
RSp0545	-0.10	0.59	-2.17	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSp0630	0.33	0.22	-3.27	0.01	PHOSPHOLIPASE
RSp0736	0.39	0.91	-2.39	0.02	TRANSMEMBRANE
RSp0741			-1.40	0.00	TRANSMEMBRANE
RSp0747			-2.23	0.00	CONSERVED HYPOTHETICAL PROTEIN
RSp0749			-2.31	0.00	CLPA/B-TYPE CHAPERONE
RSp0753			-2.31	0.00	TRANSMEMBRANE
RSp0754					HYPOTHETICAL PROTEIN
RSp0756			-2.99	0.00	HYPOTHETICAL PROTEIN
RSp0773			-2.57	0.00	SIGNAL PEPTIDE
RSp1098			-2.13	0.01	TRANSCRIPTION REGULATOR HNS-LIKE PROTEIN
RSp1108			-3.40	0.00	SIGNAL PEPTIDE LIPASE
RSp1147 RS	-0.58	0.55	-2.32	0.00	OXIDOREDUCTASE COG2085, Predicted dinucleotide-binding enzymes
RSp1254					pseudoge HIPA PROTEIN RELATED(FRAGMENT)
RSp1317					TRANSCRIPTION REGULATOR (LRP/ASNC FAMILY)
RSp1322	-0.14	0.41	-2.14	0.00	COG0251, Translation initiation inhibitor
RSp1323	0.16	0.58	-2.92	0.01	HYPOTHETICAL PROTEIN
RSp1329			-2.34	0.01	TRANSMEMBRANE
RSp1353			-2.72	0.00	COG0251, Translation initiation inhibitor
RSp1354	0.16	0.92	-2.09	0.01	HYPOTHETICAL PROTEIN
RSp1373					nosL NOSL LIPOPROTEIN
RSp1413					flhD TRANSCRIPTION REGULATOR FLAGELLAR TRANSCRIPTIONAL ACTIVATOR
RSp1550			-2.31	0.00	HYPOTHETICAL PROTEIN
RSp1642			-2.29	0.00	TRANSMEMBRANE