

Supplementary TABLE 1 : VjbR and BabR transcriptomic and proteomic targets.

Cellular function affected	Target	Protein	Fold Change ratio			
			Microarray		2D-DIGE	
			Ratio $\Delta vjbR/wt$	Ratio $\Delta babR/wt$	Ratio $\Delta vjbR/wt$	Ratio $\Delta babR/wt$
<b>Class I : Repressed by VjbR</b>						
Amino Acid metabolism						
	BMEI0219	Malonate-Semialdehyde Dehydrogenase (Acylating)	3,27	0,67	ND	0,51
	BMEI0386	Succinate Semialdehyde Dehydrogenase	1,40	1,09	1,72	ND
	BMEI0516	Aspartate Aminotransferase A	1,47	1,20	ND	0,68
	BMEI0526	Carbamoyl-Phosphate Synthase Small Chain	1,76	1,13	ND	ND
	BMEI0791	Isocitrate Dehydrogenase (NADP)	1,54	1,05	ND	0,68
	BMEI0851	Enolase	1,62	0,92	1,34	0,56
	BMEI0854	Pyruvate Dehydrogenase E1 Component, Alpha Subunit	1,50	1,19	ND	ND
	BMEI1125	Maleylpyruvate Isomerase	1,37	1,12	ND	ND
	BMEI1604	5-Aminolevulinic Acid Synthase	1,48	1,20	ND	ND
	BMEI1638	Glutamate Synthase (NADPH) Small Chain	2,31	0,74	ND	2,21
	BMEI1757	Omega-Amino Acid-Pyruvate Aminotransferase	2,02	1,15	ND	ND
	BMEI1923	Isovaleryl-CoA Dehydrogenase	3,03	1,00	ND	ND
	BMEI1924	Methylcrotonyl-CoA Carboxylase	1,60	1,00	ND	ND
	BMEI1925	Acetyl-CoA Carboxylase Alpha Chain / Propionyl-CoA Carboxylase Alpha Chain	1,84	1,14	0,75	ND
	BMEI1926	Hydroxymethylglutaryl-CoA Lyase	1,47	0,98	ND	ND
	BMEI1970	S Adenosylmethionine Synthetase	1,57	1,21	1,70	ND
	BMEI2029	Adenosylhomocysteinase	1,74	1,47	ND	ND
	BMEI0371	$\beta$ -alanine pyruvate transaminase	1,97	0,97	ND	1,78
	BMEI0374	Alanine Racemase	0,97	1,01	1,41	ND
	BMEI0747	2-Oxoisovalerate Dehydrogenase Beta Subunit	1,86	0,96	ND	ND
	BMEI0748	2-Oxoisovalerate Dehydrogenase Alpha Subunit	2,77	1,07	ND	ND
Biodegradation of xenobiotics						
	BMEI1367	Superoxide Dismutase (Mn)	1,79	1,12	ND	1,38
	BMEI1512	Enoyl-(Acyl-Carrier-Protein) Reductase (NADH)	1,84	1,09	ND	0,74
	BMEI1747	Aldehyde Dehydrogenase	2,37	1,98	ND	0,66
	BMEI1819	Alcohol Dehydrogenase Class III	1,35	1,05	ND	1,44
	BMEI1927	Enoyl-CoA Hydratase	1,64	1,05	ND	ND
	BMEI0581	Superoxide Dismutase (Cu-Zn)	1,74	1,17	ND	ND
	BMEI1060	2,5-Diketo-D-Gluconic Acid Reductase	1,43	1,15	ND	ND
Biosynthesis of secondary metabolites						
	BMEI0015	Homospermidine Synthase	1,54	0,97	ND	ND
	BMEI0016	Homospermidine Synthase	1,74	0,97	ND	ND
Carbohydrate metabolism						
	BMEI0223	Membrane-Bound Lytic Murein Transglycosylase B	1,62	1,15	2,56	ND
	BMEI0238	Acetyl-Coenzyme A Synthetase	1,60	1,00	ND	ND
	BMEI0310	Glyceraldehyde 3-Phosphate Dehydrogenase	1,50	1,12	ND	1,44
	BMEI0836	Citrate Synthase	1,63	1,09	ND	0,56
	BMEI1413	GDP-Mannose 4,6-Dehydratase	1,56	1,23	ND	0,68
	BMEI0746	Lipoamide Acyltransferase	2,06	1,05	ND	ND
	BMEI0815	Acetyl-Coenzyme A Synthetase	1,70	0,85	ND	ND
Cell Growth and death						
	BMEI0961	Kinesin-Like Protein	1,32	1,11	ND	ND
	BMEI1184	Small Protein A	1,47	1,00	ND	ND
Energy metabolism						
	BMEI0076	Inorganic Pyrophosphatase	2,92	1,34	ND	ND
	BMEI0222	Carbonic Anhydrase	1,74	1,22	ND	ND
	BMEI0248	ATP Synthase Delta Chain	1,47	1,08	ND	ND
	BMEI0249	ATP Synthase Alpha Chain	2,09	1,25	ND	0,76
	BMEI0251	ATP Synthase Beta Chain	1,50	1,12	ND	ND
	BMEI0473	Ubiquinol-Cytochrome C Reductase Iron-Sulfur Subunit	2,10	0,97	ND	ND
	BMEI0474	Cytochrome B	2,26	0,97	ND	ND
	BMEI0475	Cytochrome C1	1,56	0,89	ND	ND
	BMEI1185	H+ Translocating Pyrophosphatase Synthase	1,63	1,00	ND	ND
	BMEI1231	NADH-Ubiquinone Oxidoreductase 18 Kd Subunit	1,66	1,15	ND	ND
	BMEI1462	Cytochrome C Oxidase Polypeptide Iii	1,89	1,05	ND	ND
	BMEI1465	Cytochrome C Oxidase Polypeptide I	2,01	1,09	ND	ND
	BMEI1466	Cytochrome C Oxidase Polypeptide I	1,51	1,05	ND	ND
	BMEI1545	ATP Synthase C Chain	2,07	0,89	ND	ND
	BMEI1564	Cytochrome C Oxidase Polypeptide I Homolog, Bacteroid	2,09	0,90	ND	ND
	BMEI1565	Cytochrome C Oxidase, Monoheme Subunit, Membrane-Bound	1,65	0,98	ND	ND
	BMEI0423	Fructose-Bisphosphate Aldolase	1,54	0,89	ND	ND
Folding, sorting						

Cellular function affected	Target	Protein	Fold Change ratio			
			Microarray		2D-DIGE	
			Ratio $\Delta vj/bR$ /wt	Ratio $\Delta babR$ /wt	Ratio $\Delta vj/bR$ /wt	Ratio $\Delta babR$ /wt
Hypothetical						
	BMEI0262	Hypothetical Protein	1,48	0,94	ND	ND
	BMEI0298	Hypothetical Protein	1,33	1,05	ND	ND
	BMEI0369	Hypothetical Protein	1,36	1,32	ND	ND
	BMEI0373	Hypothetical Protein	1,93	0,81	ND	ND
	BMEI0427	Hypothetical Protein	1,82	1,08	ND	ND
	BMEI0495	Hypothetical Protein	1,61	0,92	ND	ND
	BMEI0497	Hypothetical Membrane Spanning Protein	1,71	1,28	ND	ND
	BMEI0535	Hypothetical Protein	1,83	1,15	ND	ND
	BMEI0542	Hypothetical Protein	2,19	1,08	ND	ND
	BMEI0603	Hypothetical Protein	1,66	1,10	ND	ND
	BMEI0607	Hypothetical Cytosolic Protein	2,36	0,97	ND	ND
	BMEI0721	Hypothetical Cytosolic Protein	2,01	1,08	ND	ND
	BMEI0722	Hypothetical Protein	1,61	0,98	ND	ND
	BMEI0853	Hypothetical Protein	1,45	1,18	ND	ND
	BMEI0870	Hypothetical Protein	1,82	0,81	ND	ND
	BMEI0996	Hypothetical Protein	1,86	0,97	ND	ND
	BMEI1206	Hypothetical Cytosolic Protein	1,60	1,16	ND	ND
	BMEI1246	Hypothetical Cytosolic Protein	2,04	1,12	ND	ND
	BMEI1479	Hypothetical Protein	2,15	1,46	ND	ND
	BMEI1494	Hypothetical Protein	2,73	1,00	ND	ND
	BMEI1539	Hypothetical Protein	1,64	1,04	ND	ND
	BMEI1599	Hypothetical Protein	1,64	1,00	ND	ND
	BMEI1866	Hypothetical Protein	1,48	1,31	ND	ND
	BMEI1889	Hypothetical Protein	1,56	1,12	ND	ND
	BMEI1918	Hypothetical Cytosolic Protein	1,76	0,96	ND	ND
	BMEI1998	Hypothetical Cytosolic Protein	2,21	0,93	ND	ND
	BMEI10277	Hypothetical Protein	1,83	1,12	ND	ND
	BMEI10421	Hypothetical Protein	2,61	0,98	ND	ND
	BMEI10431	Oxidoreductase	0,89	0,87	1,40	ND
	BMEI10552	Hypothetical Protein	1,71	0,98	ND	ND
	BMEI10652	Hypothetical Protein	2,66	1,06	ND	ND
	BMEI10692	Hypothetical Membrane Associated Protein	1,65	1,05	ND	ND
	BMEI10733	Hypothetical Protein	2,23	1,03	ND	ND
	BMEI10774	Hypothetical Protein	2,47	0,81	ND	ND
	BMEI10892	Hypothetical Protein	1,88	1,09	ND	ND
	BMEI10905	Hypothetical Protein	1,34	1,12	ND	ND
	BMEI10924	Hypothetical Protein	1,71	0,90	ND	ND
	BMEI11031	Hypothetical Cytosolic Protein	1,80	1,09	ND	ND
Lipid metabolism						
	BMEI0319	BioY Protein	1,47	1,18	ND	ND
	BMEI0543	Choloyglycine Hydrolase	1,58	0,95	ND	0,11
	BMEI0575	UDP-N-Acetylmuramoylalanyl-D-Glutamyl-2,6-Diaminopimelate--D-Alanyl-D- Alanyl Ligase	0,86	0,84	3,26	ND
	BMEI1475	Acyl Carrier Protein	1,57	1,17	ND	ND
	BMEI1512	Enoyl-(Acyl-Carrier-Protein) Reductase (NADH)	1,84	1,09	ND	0,74
	BMEI1928	Enoyl-CoA Hydratase	1,95	1,06	ND	ND
	BMEI2000	Phospholipid N-methyltransferase	1,48	1,18	ND	ND
	BMEI10816	3-Oxoacyl-(Acyl-Carrier Protein) Reductase	2,05	1,06	ND	ND
Membrane transport						
	BMEI0070	Aquaporin	1,44	1,03	ND	ND
	BMEI0258	High-Affinity Branched-Chain Amino Acid Transport System Permease Protein LivH	1,50	0,98	ND	ND
	BMEI0263	Leucine-, Isoleucine-, Valine-, Threonine-, And Alanine-Binding Protein Precursor	2,27	0,93	ND	ND
	BMEI0340	Peptidoglycan-Associated Lipoprotein	2,12	1,31	ND	ND
	BMEI0411	Putrescine-Binding Periplasmic Protein	1,62	0,91	ND	ND
	BMEI0433	Periplasmic Dipeptide Transport Protein Precursor	2,04	1,09	ND	ND
	BMEI0454	Outer Membrane Protein W Precursor	1,95	0,90	ND	ND
	BMEI0569	Manganese Transport Protein MntH	1,86	1,32	ND	ND
	BMEI0668	Calcium Binding Protein	5,77	0,59	ND	ND
	BMEI1007	25 kDa Outer-Membrane Immunogenic Protein Precursor	6,52	0,83	ND	ND
	BMEI1022	Arginine/Omithine-Binding Periplasmic Protein Precursor	1,99	1,00	ND	ND
	BMEI1026	Long-Chain Fatty Acid Transport Protein	6,69	0,95	ND	ND
	BMEI1029	Outer Membrane Protein TolC	1,30	1,05	4,22	ND
	BMEI1208	General L-Amino Acid Transport ATP-Binding Protein AapP	1,46	1,03	ND	ND
	BMEI1211	General L-Amino Acid-Binding Periplasmic Protein AapJ Precursor	2,05	0,80	ND	2,07
	BMEI1249	25 kDa Outer-Membrane Immunogenic Protein Precursor	2,34	1,40	ND	ND
	BMEI1305	Porin	5,70	0,88	ND	ND
	BMEI1605	Large Conductance Mechanosensitive Channel	2,01	0,86	ND	ND
	BMEI1716	Trehalose/Maltose Binding Protein	1,70	1,11	ND	1,62
	BMEI1742	ABC Transporter ATP-Binding Protein	1,78	1,83	ND	ND
	BMEI1829	25 kDa Outer-Membrane Immunogenic Protein Precursor	2,00	0,91	ND	ND
	BMEI10103	Leu/Ile/Val-Binding Protein Precursor	1,59	1,06	ND	ND

Cellular function affected	Target	Protein	Fold Change ratio				
			Microarray		2D-DIGE		
			Ratio $\Delta vj/bR/wt$	Ratio $\Delta babR/wt$	Ratio $\Delta vj/bR/wt$	Ratio $\Delta babR/wt$	
Metabolism of cofactors and vitamins							
	BMEI1157	NADH-Quinone Oxidoreductase Chain B	1,57	1,32	ND	ND	
	BMEI1158	NADH-Quinone Oxidoreductase Chain A	1,51	1,20	ND	ND	
	BMEI1639	Dihydropyrimidine Dehydrogenase (NADP+)	3,01	1,04	ND	ND	
	BMEI10589	6,7-Dimethyl-8-Ribityllumazine Synthase	1,56	1,14	ND	ND	
Nucleotide metabolism							
	BMEI1256	Nucleoside Diphosphate Kinase	1,48	0,91	ND	ND	
	BMEI1961	Polyribonucleotide Nucleotidyltransferase	1,63	1,31	ND	ND	
	BMEI10232	Uracil Phosphoribosyltransferase	1,49	1,29	ND	ND	
Replication and repair							
	BMEI0877	DNA-Binding Protein HU-Alpha	1,63	0,95	ND	ND	
	BMEI0880	Single Strand Binding Protein	1,02	1,11	2,03	ND	
	BMEI1179	Integration Host Factor Alpha-Subunit	1,59	0,88	ND	ND	
	BMEI1794	Integration Host Factor Beta-Subunit	1,47	1,04	ND	ND	
	BMEI1943	Chromosomal Replication Initiator Protein DnaA	1,47	1,24	ND	ND	
Signal Transduction							
	BMEI10050	Sensory Transduction Histidine Kinase	1,54	0,97	ND	ND	
Transcription							
	BMEI0253	Transcriptional Regulator, MarR Family	1,46	1,01	ND	ND	
	BMEI0423	Response Regulator CtrA	1,56	1,22	ND	ND	
	BMEI0518	Cold Shock Protein CspA	1,89	1,37	ND	ND	
	BMEI0626	Transcriptional Regulator, GntR Family / Multiple Substrate Aminotransferase	3,42	1,13	ND	2,64	
	BMEI1364	Transcriptional Regulatory Protein MucR	1,52	1,39	ND	ND	
	BMEI10486	Nickel-Responsive Regulator NikR	1,43	0,99	ND	ND	
Translation							
	BMEI0056	LSU Ribosomal Protein L28P	2,27	1,34	ND	ND	
	BMEI0202	LSU Ribosomal Protein L27P	1,74	1,17	ND	ND	
	BMEI0294	LSU Ribosomal Protein L36P	1,79	1,07	ND	ND	
	BMEI0322	LSU Ribosomal Protein L31P	1,35	1,02	ND	ND	
	BMEI0481	LSU Ribosomal Protein L25P	1,58	1,16	ND	0,71	
	BMEI0742	Protein Translation Elongation Factor Tu (EF-Tu)	1,81	1,30	ND	1,98	
	BMEI0747	LSU Ribosomal Protein L10P	1,38	1,22	2,37	ND	
	BMEI0752	SSU Ribosomal Protein S12P	1,75	1,36	ND	ND	
	BMEI0753	SSU Ribosomal Protein S7P	1,37	1,26	1,93	ND	
	BMEI0754	Protein Translation Elongation Factor G (EF-G)	1,71	1,28	ND	ND	
	BMEI0755	Protein Translation Elongation Factor Tu (EF-Tu)	1,86	1,22	ND	ND	
	BMEI0756	SSU Ribosomal Protein S10P	1,93	1,20	ND	ND	
	BMEI0758	LSU Ribosomal Protein L4P	1,60	1,05	ND	ND	
	BMEI0759	LSU Ribosomal Protein L23P	1,78	1,21	ND	ND	
	BMEI0760	LSU Ribosomal Protein L2P	1,68	0,96	ND	ND	
	BMEI0761	SSU Ribosomal Protein S19P	1,62	0,98	ND	ND	
	BMEI0762	LSU Ribosomal Protein L22P	1,65	1,23	ND	ND	
	BMEI0763	SSU Ribosomal Protein S3P	1,82	1,06	ND	ND	
	BMEI0764	LSU Ribosomal Protein L16P	1,71	1,14	ND	ND	
	BMEI0765	LSU Ribosomal Protein L29P	1,83	1,17	ND	ND	
	BMEI0766	SSU Ribosomal Protein S17P	1,82	1,20	ND	ND	
	BMEI0767	LSU Ribosomal Protein L14P	2,31	1,20	ND	ND	
	BMEI0768	LSU Ribosomal Protein L24P	1,52	1,07	ND	ND	
	BMEI0769	LSU Ribosomal Protein L5P	1,83	1,20	ND	ND	
	BMEI0770	SSU Ribosomal Protein S14P	1,65	1,09	ND	ND	
	BMEI0771	SSU Ribosomal Protein S8P	1,77	1,06	ND	ND	
	BMEI0779	SSU Ribosomal Protein S13P	1,59	1,25	ND	ND	
	BMEI0780	SSU Ribosomal Protein S11P	1,54	1,00	ND	ND	
	BMEI0781	DNA-Directed RNA Polymerase Alpha Chain	1,67	1,16	ND	ND	
	BMEI0782	LSU Ribosomal Protein L17P	1,46	1,24	ND	ND	
	BMEI0826	Ribosome Recycling Factor (RRF)	1,64	1,10	ND	ND	
	BMEI0837	Glutamyl Trna Synthase	0,99	0,91	1,64	ND	
	BMEI0872	Hfq	1,76	1,00	ND	ND	
	BMEI1133	SSU Ribosomal Protein S4P	1,86	1,20	ND	ND	
	BMEI1168	LSU Ribosomal Protein L13P	1,83	1,00	ND	ND	
	BMEI1169	SSU Ribosomal Protein S9P	1,26	0,99	1,93	ND	
	BMEI1480	SSU Ribosomal Protein S6P	2,09	1,35	ND	ND	
	BMEI1481	SSU Ribosomal Protein S18P	1,76	1,27	ND	ND	
	BMEI1483	LSU Ribosomal Protein L9P	1,45	1,15	ND	0,12	
	BMEI1671	Bacterial Protein Translation Initiation Factor 1 (IF-1)	1,56	1,25	ND	ND	
	BMEI1962	SSU Ribosomal Protein S15P	1,66	1,27	ND	ND	
	BMEI10278	Translation Initiation Inhibitor	1,39	0,91	ND	ND	

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			Microarray		2D-DIGE	
			Ratio $\Delta vjBR/WT$	Ratio $\Delta babR/WT$	Ratio $\Delta vjBR/WT$	Ratio $\Delta babR/WT$
Class II : Activated by VjBR						
Amino Acid metabolism						
	BMEI0101	Cysteine Synthase A	1,05	1,37	0,68	ND
	BMEI0522	Carbamoyl Phosphate Synthase Large Subunit	1,11	1,04	0,60	ND
	BMEI1271	2-Isopropylmalate Synthase	0,64	1,00	ND	ND
	BMEI1378	L-Asparaginase II	0,67	0,75	ND	ND
	BMEI0908	Glutaminase	0,61	1,24	ND	ND
	BMEI0910	Glutamate Decarboxylase Beta	0,63	1,17	ND	ND
Biodegradation of xenobiotics						
	BMEI0024	L-Sorbose Dehydrogenase, NAD(P) Dependent	0,63	0,86	ND	ND
	BMEI1654	Urease Gamma Subunit	0,70	0,85	ND	ND
Carbohydrate Metabolism						
	BMEI0485	D-Galactarate Dehydratase	0,67	0,80	ND	ND
Cell motility						
	BMEI0170	Flagellar Protein FlgJ	0,59	0,83	ND	ND
Energy metabolism						
	BMEI1525	Helix-Turn-Helix Protein, CopG Family	0,62	0,98	ND	ND
	BMEI1898	Cytochrome O Ubiquinol Oxidase Operon Protein CyoD	0,52	1,06	ND	ND
	BMEI1899	Cytochrome O Ubiquinol Oxidase Subunit III	0,48	1,00	ND	ND
	BMEI1900	Cytochrome O Ubiquinol Oxidase Subunit I	0,45	1,18	ND	ND
	BMEI0760	Cytochrome D Ubiquinol Oxidase Subunit I	0,68	1,02	ND	ND
	BMEI0952	Nitrate Reductase Delta Chain	0,70	0,98	ND	ND
	BMEI0969	Outer-Membrane Lipoprotein NosL	0,70	0,86	ND	ND
Folding, sorting and degradation						
	BMEI0102	Universal Stress Protein Family	0,71	0,99	ND	ND
	BMEI0815	Protein YjA	0,67	1,08	ND	ND
	BMEI1510	Cold Shock Protein CspA	0,26	1,05	ND	ND
	BMEI1784	Small Heat Shock Protein HspA	0,73	1,12	ND	ND
	BMEI0025	Attachment Mediating Protein VirB1 Homolog	0,15	1,43	ND	ND
	BMEI0026	Attachment Mediating Protein VirB2 Homolog	0,11	1,57	ND	ND
	BMEI0027	Channel Protein VirB3 Homolog	0,15	1,56	ND	ND
	BMEI0028	ATPase VirB4 Homolog	0,33	1,56	ND	ND
	BMEI0029	Attachment Mediating Protein VirB5 Homolog	0,26	1,37	ND	ND
	BMEI0030	Channel Protein VirB6 Homolog	0,61	1,26	ND	ND
	BMEI0032	Channel Protein VirB8 Homolog	0,50	1,55	0,26	ND
	BMEI0033	Channel Protein VirB9 Homolog	0,72	1,58	0,49	ND
	BMEI0034	Channel Protein VirB10 Homolog	0,65	1,29	ND	ND
	BMEI0245	Universal Stress Protein Family	0,48	1,32	ND	ND
	BMEI1047	10 kDa Chaperonin GroES	0,49	2,95	ND	ND
	BMEI1048	60 kDa Chaperonin GroEL	0,35	3,19	ND	0,63
Glycan biosynthesis						
	BMEI0356	Type 1 Capsular Polysaccharide Biosynthesis Protein J	0,58	1,10	ND	ND
	BMEI0727	D-Alanine--D-Alanine Ligase A	0,60	1,28	ND	1,71
	BMEI1435	Polysaccharide Deacetylase	0,77	1,22	0,37	ND
	BMEI1028	Tetraacyldisaccharide 4'-Kinase	0,88	0,95	0,52	ND
Hypothetical						
	BMEI0030	Hypothetical Cytosolic Protein	0,25	1,10	ND	ND
	BMEI0051	Hypothetical Protein	0,54	1,06	ND	ND
	BMEI0172	Hypothetical Protein	0,54	0,89	ND	ND
	BMEI0193	Hypothetical Protein	0,64	1,16	ND	ND
	BMEI0367	Hypothetical Protein	0,56	0,92	ND	ND
	BMEI0515	Hypothetical Protein	0,35	0,90	ND	ND
	BMEI0602	Hypothetical Protein	0,60	1,09	ND	ND
	BMEI0822	Hypothetical Protein	0,62	1,16	ND	ND
	BMEI1072	Hypothetical Protein	0,12	0,89	ND	ND
	BMEI1508	Putative Lipoprotein	0,63	1,09	ND	ND
	BMEI1509	Hypothetical Protein	0,41	1,26	ND	ND
	BMEI1792	Hypothetical Protein	0,61	0,94	ND	ND
	BMEI1842	Putative Membrane Protein	0,31	1,05	ND	ND
	BMEI0171	Hypothetical Cytosolic Protein	0,59	0,79	ND	ND
	BMEI0379	Hypothetical Protein	0,62	0,90	ND	ND
	BMEI0454	Hypothetical Protein	0,60	0,85	ND	ND
	BMEI0503	Hypothetical Protein	0,66	1,15	ND	ND
	BMEI0516	Hypothetical Protein	0,57	1,41	ND	ND
	BMEI1050	Hypothetical Protein	0,70	0,86	ND	ND
	BMEI1428	Hypothetical Protein	0,64	1,10	ND	ND



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Lipid metabolism	BMEI1112	3-Oxo-Acyl-Carrier Protein Synthase	0,89	0,93	ND	1,65
	BMEI1103	Phosphatidylglycerophosphatase B	0,50	1,38	ND	ND
Membrane transport	BMEI0469	Purine Nucleoside Permease	0,45	1,35	0,18	ND
	BMEI1211	General L-Amino Acid-Binding Periplasmic Protein AapJ Precursor	2,05	0,80	ND	2,70
	BMEI1249	25 kDa Outer-Membrane Immunogenic Protein Precursor	2,34	1,40	ND	ND
	BMEI1716	Trehalose Maltose Binding Protein	1,70	1,10	ND	1,62
	BMEI1930	Leucine-, Isoleucine-, Valine-, Threonine-, And Alanine-Binding Protein Precursor	1,45	0,91	ND	1,61
	BMEI0098	High Affinity Branched Chain Amino Acid Transport ATP-Binding Protein LivF	0,84	0,93	ND	1,38
	BMEI0517	Branched-Chain Amino Acid Transport Protein AziC	0,63	1,51	ND	ND
	BMEI0590	Sugar Binding Protein	6,56	0,77	ND	2,68
	BMEI0593	ATP GDP Binding Protein ABC Transporter	1,62	1,05	2,92	1,93
	BMEI0601	Cysteine Binding Periplasmic Protein	1,12	1,01	ND	1,38
	BMEI0734	Periplasmic Oligopeptide Binding Protein Precursor	15,92	1,05	ND	1,76
	BMEI0783	Na(+)-Linked D-Alanine Glycine Permease	1,50	1,50	ND	ND
	BMEI0909	Glutamate/Gamma-Aminobutyrate Antiporter	0,63	1,42	ND	ND
	BMEI0923	Spermidine/Putrescine-Binding Protein	1,99	0,77	ND	1,52
Metabolism of cofactors and vitamins	BMEI0859	Lipoyl Synthetase	1,30	1,23	ND	1,23
	BMEI1643	N Carbamoyl L Amino Acid Amidohydrolase	1,26	0,77	ND	1,62
	BMEI0559	Aminomethyltransferase	1,03	1,03	ND	1,68
Nucleotide metabolism	BMEI1961	Polyribonucleotide Nucleotidyltransferase	1,63	1,28	ND	ND
Translation	BMEI0742	EF-Tu	1,81	1,30	ND	1,98
	BMEI1480	SSU Ribosomal Protein S6P	2,09	1,35	ND	ND
	BMEI1915	SSU Ribosomal Protein S1P	1,26	1,46	ND	1,77
	BMEI0332	SSU Ribosomal Protein S21P	0,50	1,33	ND	ND
Transcription	BMEI0518	Cold Shock Protein CspA	1,02	1,37	ND	ND
	BMEI0532	RNA Polymerase Sigma Factor RpoD	0,92	1,42	ND	ND
	BMEI0626	Transcriptional Regulator GntR Family	3,42	1,13	ND	2,64
	BMEI1364	Transcriptional Regulatory Protein MucR	1,51	1,39	ND	ND
	BMEI1116	Transcriptional Activator, LuxR Family	-	1,44	ND	0,55
Unassigned	BMEI0536	Periplasmic Immunogenic Protein	0,65	1,33	ND	ND
	BMEI0934	ATP Dependant RNA Helicase	0,94	1,37	ND	ND
<b>Class IV : Activated by BabR</b>						
Amino Acid metabolism	BMEI0219	Malonate-Semialdehyde Dehydrogenase (Acylating)	3,27	0,67	ND	0,51
	BMEI0231	NAD Specific Glutamate Dehydrogenase	1,41	1,11	ND	0,37
	BMEI0451	2-Isopropyl Malate Synthase	0,95	1,11	ND	0,21
	BMEI0791	Isocitrate Deshydrogenase	1,54	1,05	ND	0,68
	BMEI0811	L-Serine Dehydratase	0,78	1,02	ND	0,66
	BMEI0979	Glutamine Synthase	1,18	1,26	ND	0,30
	BMEI1620	Ornithine Carbamoyltransferase	1,00	1,20	ND	0,64
	BMEI1638	Glutamate Synthase	2,31	0,74	ND	2,21
	BMEI1939	D-3-Phosphoglycerate Dehydrogenase	0,81	0,97	ND	0,60
Biodegradation of xenobiotics	BMEI1588	Carboxynorspermidine Synthase	1,06	1,12	ND	0,72
Biosynthesis of secondary metabolites	BMEI0516	Aspartate Aminotransferase	1,47	1,20	ND	0,68
Carbohydrate metabolism	BMEI0836	Citrate Synthase	1,63	1,09	ND	0,56
	BMEI1413	GDP-Mannose 4,6-Dehydratase	1,56	0,99	ND	0,68
	BMEI0511	Phosphogluconate Dehydratase	0,91	0,95	ND	0,08
Energy metabolism	BMEI0161	Succinate Dehydrogenase	1,29	1,13	ND	0,16
	BMEI0249	ATP Synthase Alpha Chain	2,09	1,25	ND	0,76
	BMEI1436	Pyruvate Phosphatase Dikinase	1,05	1,10	ND	0,47
Hypothetical	BMEI1215	Hypothetical Membrane Spanning Protein	1,13	0,70	ND	ND
	BMEI0538	Hypothetical Protein	0,94	0,64	ND	ND

Cellular function affected	Target	Protein	Fold Change ratio			
			Microarray		2D-DIGE	
			Ratio $\Delta vjbr/wt$	Ratio $\Delta babR/wt$	Ratio $\Delta vjbr/wt$	Ratio $\Delta babR/wt$
Lipid metabolism	BMEI0543	Choloylglycine Hydrolase	1,58	0,95	ND	0,11
	BMEI1512	Enoyl Acyl Carrier Protein Reductase	1,84	1,09	ND	0,74
Membrane transport	BMEI0668	Calcium Binding Protein	5,77	0,59	ND	ND
Metabolism of cofactors and vitamins	BMEI0176	Porphobilinogene Deaminase	1,11	1,03	ND	0,13
	BMEI0712	CbiG Protein / Precorrin-3B C17-Methyltransferase	0,98	1,07	ND	0,08
Replication and repair	BMEI0588	DNA Repair Protein RecN	1,00	0,99	ND	0,21
	BMEI0749	DNA-Directed RNA Polymerase Beta Chain	1,10	1,20	ND	0,30
	BMEI1823	DNA Gyrase B	0,80	1,20	ND	0,60
Transcription	BMEI0749	DNA-Directed RNA Polymerase Beta Chain	1,10	1,20	ND	0,30
	BMEI10299	Transcriptional Regulator, IclR Family	0,87	0,96	ND	0,74
Translation	BMEI0481	LSU Ribosomal Protein L25P	1,58	1,16	ND	0,71
	BMEI1483	LSU Ribosomal Protein L9P	1,45	1,15	ND	0,12

ND: not determined.