

Supplemental Table S2. Functional classification of genes differentially expressed by coumestrol (20 µM, 24 h)

The cut-off threshold was 2-fold with q value less than 5%.

Positive values in fold change indicate up-regulation while negative values indicate down-regulation.

Functional levels were adopted from the rhizobase (<http://genome.kazusa.or.jp/rhizobase/Bradyrhizobium/genes/category>).

Locus ID	Fold Change	q-value(%)	Functional Level I	Functional Level II	Functional Level III (Description)
bll4682	-2.49	0.00	Amino Acid Biosynthesis	Serine Family/Sulfur Assimilation	cysteine synthase
bll1474	-2.67	0.00	Amino Acid Biosynthesis	Branched Chain Family	malate synthase G
blr2308	+7.91	0.00	Biosynthesis of cofactors, prosthetic groups, and carriers	Molybdopterin	putative molybdopterin biosynthesis protein
blr3510	+3.60	0.00	Biosynthesis of cofactors, prosthetic groups, and carriers	Thioredoxin, glutaredoxin, and glutathione	probable thioredoxin
blr3265	+2.11	0.00	Biosynthesis of cofactors, prosthetic groups, and carriers	Cobalamin, heme, phycobillin and porphyrin	precorrin isomerase
bll0532	-2.75	0.00	Biosynthesis of cofactors, prosthetic groups, and carriers	Others	4a-hydroxytetrahydrobiopterin dehydratase
bll8020	-3.00	0.00	Biosynthesis of cofactors, prosthetic groups, and carriers	Menaquinone and ubiquinone	putative ubiquinone/menaquinone biosynthesis methyltransferase
bll1419	-5.52	0.00	Biosynthesis of cofactors, prosthetic groups, and carriers	Folic acid	5,10-methylenetetrahydrofolate reductase
blr1214	+2.90	0.00	Cell envelope	Cell envelope	putative lipoprotein
bll7116	+2.11	0.00	Cell envelope	Membranes, lipoproteins and porins	aquaporin
bll4853	-2.16	0.00	Cell envelope	Membranes, lipoproteins and porins	putative outer membrane protein
blr5156	-2.25	0.00	Cell envelope	Murein sacculus and peptidoglycan	putative D-alanyl-D-alanine carboxypeptidase
blr7695	-2.49	0.00	Cell envelope	Membranes, lipoproteins and porins	putative outer-membrane immunogenic protein precursor
bll7469	-2.49	0.00	Cell envelope	Membranes, lipoproteins and porins	putative outer-membrane immunogenic protein precursor
blr4701	-2.57	0.00	Cell envelope	Membranes, lipoproteins and porins	putative outer-membrane immunogenic protein precursor
bll2379	-2.75	0.00	Cell envelope	Surface polysaccharides, lipopolysaccharides and antigens	putative polysaccharide export protein
bll4867	-3.68	0.00	Cell envelope	Membranes, lipoproteins and porins	putative outer-membrane immunogenic protein precursor
bll6888	-4.49	0.00	Cell envelope	Membranes, lipoproteins and porins	putative porin
blr4637	+2.85	0.00	Cellular processes	Chaperones	probable HspC2 heat shock protein
bll0729	+2.27	0.00	Cellular processes	Chaperones	small heat shock protein
bll7385	+2.25	0.00	Cellular processes	Cell division	putative partition protein
blr5698	+2.07	0.00	Cellular processes	Protein and peptide secretion	similar to protein-export membrane protein SecD
bll0473	+2.07	0.00	Cellular processes	Cell division	probable cell division protein
blr0638	-2.04	0.00	Cellular processes	Cell division	Maf-like protein
bsl0059	-2.09	0.00	Cellular processes	Chaperones	cold shock protein
bsl6587	-2.16	0.00	Cellular processes	Chemotaxis	components of type IV pilus pilin subunit
blr0481	-2.20	0.00	Cellular processes	Protein and peptide secretion	signal recognition particle protein
bsl4127	-2.30	0.00	Cellular processes	Chaperones	cold shock protein
bsl7141	-2.37	0.00	Cellular processes	Chemotaxis	components of type IV pilus pilin subunit
bll7954	-2.57	0.00	Cellular processes	Chemotaxis	putative methyl accepting chemotaxis protein
bll2757	+8.37	0.00	Central intermediary metabolism	Nitrogen fixation	transcriptional regulatory protein
blr1746	+4.11	0.00	Central intermediary metabolism	Nitrogen fixation	nitrogenase molybdenum-cofactor synthesis protein
bll5665	+2.86	0.00	Central intermediary metabolism	Other	putative carbon monoxide dehydrogenase small subunit
blr1457	+2.26	0.00	Central intermediary metabolism	Other	urease alpha subunit
blr4488	+2.07	0.05	Central intermediary metabolism	Nitrogen fixation	two-component response regulator
bsr2765	+2.01	0.00	Central intermediary metabolism	Nitrogen fixation	cbb3 oxidase subunit IV
blr8272	-2.08	0.00	Central intermediary metabolism	Polysaccharides and glycoproteins	probable phosphoglucomutase phosphomannomutase protein
blr7759	-2.17	0.00	Central intermediary metabolism	Other	ornithine decarboxylase
bll3968	-2.27	0.00	Central intermediary metabolism	Other	carbon monoxide dehydrogenase large chain
bll4072	3.15	0.00	DNA replication, recombination, and repair		replicative DNA helicase
bll1113	2.61	0.00	DNA replication, recombination, and repair		methylated-DNA--protein-cysteine methyltransferase
bll6773	-2.05	0.00	DNA replication, recombination, and repair		probable DNA ligase
blr8051	-2.23	0.00	DNA replication, recombination, and repair		putative excinuclease ABC subunit A
bll4517	-2.29	0.00	DNA replication, recombination, and repair		probable DNA polymerase III delta prime subunit
bll1530	+2.71	0.05	Energy metabolism	Pyruvate and acetyl-CoA metabolism	putative aldehyde dehydrogenase protein
bll3784	+2.18	0.00	Energy metabolism	Respiration	cytochrome C oxidase
blr3957	+2.05	0.00	Energy metabolism	Amino acids and amines	3-hydroxyisobutyrate dehydrogenase
bll5913	-2.15	0.00	Energy metabolism	Respiration	cytochrome C
blr7544	-2.21	0.00	Energy metabolism	Respiration	cytochrome c550
bll2651	-2.47	0.00	Energy metabolism	Sugars	1-deoxy-D-xylulose-5-phosphate synthase
blr2455	-17.65	0.00	Energy metabolism	TCA cycle	isocitrate lyase
blr5790	+4.49	0.00	Fatty acid, phospholipid and sterol metabolism		putative lignostilbene-alpha,beta-dioxygenase
bll1385	+2.46	0.00	Fatty acid, phospholipid and sterol metabolism		putative gamma carboxymuconolactone decarboxylase protein
bll2655	+2.24	0.00	Fatty acid, phospholipid and sterol metabolism		putative enoyl-CoA hydratase protein
blr3433	+2.21	0.00	Fatty acid, phospholipid and sterol metabolism		putative crotonobetaine/carnitine-CoA ligase
bsl4577	+2.05	0.00	Fatty acid, phospholipid and sterol metabolism		gamma-carboxymuconolactone decarboxylase
bsl7784	-2.10	0.00	Fatty acid, phospholipid and sterol metabolism		probable acyl carrier protein
bsr4084	-2.17	0.00	Fatty acid, phospholipid and sterol metabolism		acyl carrier protein
bll5021	-2.23	0.00	Fatty acid, phospholipid and sterol metabolism		fatty acid/phospholipid synthesis protein
blr1512	-5.07	0.00	Fatty acid, phospholipid and sterol metabolism		putative cyclopropane-fatty-acyl-phospholipid synthase
blr4264	+2.43	0.00	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	putative adenylate cyclase protein
blr8134	-2.07	0.00	Purines, pyrimidines, nucleosides, and nucleotides	Pyrimidine ribonucleotide biosynthesis	Orotate phosphoribosyltransferase
bll4274	-2.93	0.00	Purines, pyrimidines, nucleosides, and nucleotides	Purine ribonucleotide biosynthesis	ribonucleoside-diphosphate reductase 2 alpha chain
bll2758	+4.55	0.00	Regulatory functions		two-component response regulator
blr4080	+4.18	0.00	Regulatory functions		transcriptional regulatory protein
bll7024	+3.93	0.00	Regulatory functions		transcriptional regulatory protein
bll3297	+3.89	0.00	Regulatory functions		putative monoamine oxidase regulatory protein
blr7084	+2.50	0.00	Regulatory functions		transcriptional regulatory protein
bll6061	+2.24	0.00	Regulatory functions		transcriptional regulatory protein
blr6291	+2.10	0.00	Regulatory functions		transcriptional regulatory protein
bll3466	-2.04	0.00	Regulatory functions		transcriptional regulatory protein
bll2200	-2.11	0.00	Regulatory functions		two-component response regulator
bll2786	-2.38	0.00	Regulatory functions		transcriptional regulatory protein
bll2599	-2.38	0.00	Regulatory functions		two-component hybrid sensor and regulator
bll4368	-2.62	0.00	Regulatory functions		transcriptional regulatory protein
bll3158	-2.64	0.00	Regulatory functions		transcriptional regulatory protein
blr0200	-2.89	0.00	Regulatory functions		transcriptional regulatory protein
bll4381	-2.98	0.00	Regulatory functions		transcriptional regulatory protein
bll7342	-3.02	0.00	Regulatory functions		two-component response regulator
bll4130	-3.28	0.00	Regulatory functions		transcriptional regulatory protein
bll7795	-3.38	0.00	Regulatory functions		two-component response regulator
blr2577	-4.31	0.00	Regulatory functions		transcriptional regulatory protein
blr5264	-5.16	0.00	Regulatory functions		two-component hybrid sensor and regulator
bll2648	+2.33	0.00	Transcription	RNA synthesis, modification, and DNA transcription	RNA methyltransferase
blr4928	+2.19	0.00	Transcription	RNA synthesis, modification, and DNA transcription	ECF family sigma factor
bll2628	+2.04	0.00	Transcription	RNA synthesis, modification, and DNA transcription	ECF family sigma factor
bll5066	-2.21	0.00	Transcription	RNA synthesis, modification, and DNA transcription	RNA polymerase omega subunit
blr7797	-2.24	0.00	Transcription	RNA synthesis, modification, and DNA transcription	RNA polymerase sigma-E factor (Sigma-24) protein
bll1447	-2.57	0.00	Transcription	RNA synthesis, modification, and DNA transcription	dead-box ATP-dependent RNA helicase
blr0723	-2.71	0.00	Transcription	RNA synthesis, modification, and DNA transcription	RNA polymerase sigma-54 subunit
bll6031	+4.11	0.00	Translation	Degradation of proteins, peptides, and glycopeptides	putative zinc metalloendopeptidase
bsl5090	+2.10	0.62	Translation	Aminoacyl tRNA synthetases and tRNA modification	glutamyl-tRNA-Gln-amidotransferase chain C
bll7941	+2.03	0.00	Translation	Degradation of proteins, peptides, and glycopeptides	aminopeptidase

blr0420	-2.08	0.00	Translation	Ribosomal proteins	50S ribosomal protein L21
blI5378	-2.10	0.00	Translation	Ribosomal proteins	30S ribosomal protein S13
blI4756	-2.17	0.00	Translation	Aminoacyl tRNA synthetases and tRNA modification	similar to arginyl-tRNA synthetase
bsr8096	-2.34	0.00	Translation	Ribosomal proteins	ribosomal protein L34
bsr5117	-2.45	0.00	Translation	Ribosomal proteins	50S ribosomal protein L33
bsr7117	-2.53	0.00	Translation	Ribosomal proteins	30S ribosomal protein S21
blr0365	-2.83	0.00	Translation	Ribosomal proteins	30S ribosomal protein S21
blr1508	+3.51	0.00	Transport and binding proteins		HlyB/MsbA family ABC transporter
blr3670	+2.22	0.00	Transport and binding proteins		probable substrate-binding protein
blI1032	+2.15	0.00	Transport and binding proteins		putative C4-dicarboxylate binding protein
blI2304	+2.03	0.00	Transport and binding proteins		probable ABC transporter, substrate binding protein
blr3840	+2.03	0.00	Transport and binding proteins		C4-dicarboxylate transport protein
blr6447	-2.02	0.00	Transport and binding proteins		ABC transporter ATP-binding protein
blr3743	-2.03	0.00	Transport and binding proteins		periplasmic mannitol-binding protein
blI6913	-2.05	0.00	Transport and binding proteins		ABC transporter permease protein
blI7152	-2.07	0.00	Transport and binding proteins		tolB protein
blr7376	-2.10	0.00	Transport and binding proteins		putative integral membrane transporter protein
blI7103	-2.21	0.00	Transport and binding proteins		ABC transporter permease protein
blr7839	-2.33	0.00	Transport and binding proteins		probable substrate-binding protein
blI6620	-2.42	0.00	Transport and binding proteins		ABC transporter HlyB/MsbA family
blr5804	-2.63	0.00	Transport and binding proteins		ABC transporter ATP-binding protein
blr1483	-2.97	0.00	Transport and binding proteins		sulfate ABC transporter permease protein
blr6117	-4.15	0.00	Transport and binding proteins		putative manganese transport protein
blI3896	+4.06	0.00	Other categories	Transposon-related functions	putative transposase
blr8217	+3.64	0.00	Other categories	Transposon-related functions	putative transposase
blr3793	+2.96	0.00	Other categories	Other	putative lyase
blI4952	+2.95	0.00	Other categories	Symbiosis	NfeD protein homolog
blI6274	+2.92	0.00	Other categories	Other	putative dehydrogenase
bsr1972	+2.13	0.00	Other categories	Transposon-related functions	putative transposase
blI2434	+2.08	0.00	Other categories	Other	plasmid stability protein
blI6614	+2.04	0.00	Other categories	Other	putative esterase
blr2776	+2.04	0.00	Other categories	Other	putative patatin-like phospholipase
blI2752	-2.02	0.00	Other categories	Other	probable glycosyl transferase
blI3346	-2.05	0.00	Other categories	Other	putative amidase
blI3028	-2.08	0.00	Other categories	Other	putative oxidoreductase
blr3678	-2.10	0.00	Other categories	Other	putative oxidoreductase
blr4054	-2.10	0.00	Other categories	Drug and analog sensitivity	tetracycline resistance protein
blr3294	-2.10	0.00	Other categories	Other	putative decarboxylase
blI5979	-2.14	0.00	Other categories	Other	putative CDP-glucose 4,6-dehydratase protein
blr3092	-2.19	0.00	Other categories	Other	putative secreted protein
blr3742	-2.26	0.00	Other categories	Drug and analog sensitivity	probable multidrug-resistance related protein
blI0941	-2.27	0.00	Other categories	Drug and analog sensitivity	beta-lactamase L2 precursor
blI1016	-2.55	0.00	Other categories	Other	probable peptidase
blI6262	-2.93	0.00	Other categories	Adaptations and atypical conditions	probable osmotically inducible protein
blI0333	-4.48	0.00	Other categories	Other	probable alcohol dehydrogenase precursor
blr3679	-5.08	0.00	Other categories	Other	putative monooxygenase component
blr3677	-7.41	0.00	Other categories	Other	putative monooxygenase component
blI7025	+80.61	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7025
blr0497	+11.90	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0497
blI2471	+9.76	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2471
blI0174	+9.31	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI0174
bsr6520	+6.82	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr6520
blI4927	+6.26	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4927
bsr6686	+4.74	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr6686
blI7551	+4.48	0.00	Hypothetical	No similarity	hypothetical protein blI7551
bsr3580	+4.47	0.00	Hypothetical	No similarity	hypothetical protein bsr3580
blI2590	+4.05	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2590
blr3843	+3.90	0.00	Hypothetical	No similarity	hypothetical protein blr3843
blI7022	+3.89	0.00	Hypothetical	No similarity	hypothetical protein blI7022
blI2365	+3.80	0.00	Hypothetical	No similarity	hypothetical protein blI2365
bsI5002	+3.75	0.00	Hypothetical	No similarity	hypothetical protein bsI5002
blr4188	+3.73	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4188
bsI8314	+3.58	0.00	Hypothetical	No similarity	hypothetical protein bsI8314
blr6074	+3.52	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr6074
bsr6521	+3.50	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr6521
blI5048	+3.48	0.00	Hypothetical	No similarity	hypothetical protein blI5048
bsr7110	+3.48	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr7110
blr4538	+3.29	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4538
blr1072	+3.27	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1072
blI4833	+3.13	0.00	Hypothetical	No similarity	hypothetical protein blI4833
blI4718	+3.03	0.00	Hypothetical	No similarity	hypothetical protein blI4718
blI6069	+3.03	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6069
blr4840	+3.02	0.00	Hypothetical	No similarity	hypothetical protein blr4840
blr5792	+2.96	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5792
blI0061	+2.82	0.00	Hypothetical	No similarity	hypothetical protein blI0061
bsr5938	+2.80	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr5938
blr7331	+2.78	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7331
blI4958	+2.75	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4958
blr7102	+2.74	0.00	Hypothetical	No similarity	hypothetical protein blr7102
blr7975	+2.66	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7975
blr0951	+2.60	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0951
bsI4703	+2.52	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI4703
blI0839	+2.48	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI0839
blI7057	+2.46	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7057
blI2551	+2.46	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2551
bsI6675	+2.45	0.00	Hypothetical	No similarity	hypothetical protein bsI6675
blI3890	+2.43	0.00	Hypothetical	No similarity	hypothetical protein blI3890
blr3632	+2.40	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3632
bsI1161	+2.39	0.00	Hypothetical	No similarity	hypothetical protein bsI1161
blI0657	+2.39	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI0657
blr2857	+2.39	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr2857
blr0396	+2.37	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0396
blr4768	+2.36	0.05	Hypothetical	No similarity	hypothetical protein blr4768
blr5847	+2.35	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5847
blr0084	+2.34	0.17	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0084
bsr4834	+2.32	0.00	Hypothetical	No similarity	hypothetical protein bsr4834
blI2824	+2.29	0.00	Hypothetical	No similarity	hypothetical protein blI2824
bsI4593	+2.29	0.00	Hypothetical	No similarity	hypothetical protein bsI4593
blr2611	+2.28	0.00	Hypothetical	No similarity	hypothetical protein blr2611

blI0176	+2.25	0.00	Hypothetical	No similarity	hypothetical protein blI0176
blr1324	+2.23	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1324
bsr1458	+2.21	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr1458
blI6793	+2.21	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6793
blr2668	+2.19	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr2668
blr0644	+2.18	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0644
blr3585	+2.18	0.00	Hypothetical	No similarity	hypothetical protein blr3585
blr2409	+2.18	0.62	Hypothetical	Conserved hypothetical protein	hypothetical protein blr2409
blr5318	+2.17	0.00	Hypothetical	No similarity	hypothetical protein blr5318
blr4686	+2.16	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4686
blr4652	+2.15	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4652
blI4270	+2.13	0.00	Hypothetical	No similarity	hypothetical protein blI4270
blr1614	+2.13	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1614
blI6032	+2.12	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6032
blI4548	+2.10	0.05	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4548
blI7294	+2.10	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7294
blI0524	+2.10	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI0524
blr4566	+2.08	0.05	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4566
blI7241	+2.08	0.00	Hypothetical	No similarity	hypothetical protein blI7241
bsr7348	+2.07	0.00	Hypothetical	No similarity	hypothetical protein bsr7348
blr5788	+2.07	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5788
blI2215	+2.07	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2215
blr2408	+2.07	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr2408
blr4111	+2.05	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4111
blr1487	+2.05	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1487
blr6028	+2.05	0.17	Hypothetical	No similarity	hypothetical protein blr6028
bsI0170	+2.04	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI0170
bsI7992	+2.04	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI7992
bsI6289	+2.04	0.00	Hypothetical	No similarity	hypothetical protein bsI6289
blr3063	+2.03	0.00	Hypothetical	No similarity	hypothetical protein blr3063
blr0624	+2.03	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0624
blI6547	+2.02	0.00	Hypothetical	No similarity	hypothetical protein blI6547
blr3886	+2.00	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3886
blI4089	-2.00	0.00	Hypothetical	No similarity	hypothetical protein blI4089
blr1571	-2.00	0.00	Hypothetical	No similarity	hypothetical protein blr1571
blr5095	-2.01	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5095
blI3228	-2.01	0.00	Hypothetical	No similarity	hypothetical protein blI3228
blI2375	-2.01	0.00	Hypothetical	No similarity	hypothetical protein blI2375
blr3905	-2.01	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3905
bsr7779	-2.02	0.00	Hypothetical	No similarity	hypothetical protein bsr7779
blr2372	-2.03	0.00	Hypothetical	No similarity	hypothetical protein blr2372
blr2592	-2.04	0.00	Hypothetical	No similarity	hypothetical protein blr2592
blr7305	-2.04	0.00	Hypothetical	No similarity	hypothetical protein blr7305
bsI0168	-2.04	0.00	Hypothetical	No similarity	hypothetical protein bsI0168
blr1249	-2.05	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1249
blI2452	-2.05	0.00	Hypothetical	No similarity	hypothetical protein blI2452
blr0433	-2.06	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0433
bsr4236	-2.07	0.00	Hypothetical	No similarity	hypothetical protein bsr4236
blr4176	-2.07	0.00	Hypothetical	No similarity	hypothetical protein blr4176
bsr2601	-2.10	0.00	Hypothetical	No similarity	hypothetical protein bsr2601
blr0058	-2.10	0.00	Hypothetical	No similarity	hypothetical protein blr0058
blr7950	-2.10	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7950
bsI5509	-2.10	0.00	Hypothetical	No similarity	hypothetical protein bsI5509
bsI7464	-2.10	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI7464
blr4971	-2.11	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4971
bsI2406	-2.11	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI2406
blr4285	-2.11	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4285
blI1465	-2.11	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI1465
blI6166	-2.12	0.00	Hypothetical	No similarity	hypothetical protein blI6166
blr0908	-2.13	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0908
blr1468	-2.13	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1468
blI1342	-2.14	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI1342
blr7883	-2.15	0.00	Hypothetical	No similarity	hypothetical protein blr7883
blI7425	-2.15	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7425
blr1157	-2.15	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr1157
bsI0054	-2.16	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI0054
blr8065	-2.17	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr8065
blr0547	-2.18	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr0547
blI0737	-2.18	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI0737
blr6922	-2.18	0.00	Hypothetical	No similarity	hypothetical protein blr6922
blI4432	-2.19	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4432
blI1669	-2.19	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI1669
blr6132	-2.21	0.00	Hypothetical	No similarity	hypothetical protein blr6132
blI2700	-2.21	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2700
blI7189	-2.21	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7189
blI8048	-2.22	0.00	Hypothetical	No similarity	hypothetical protein blI8048
blI2378	-2.23	0.00	Hypothetical	No similarity	hypothetical protein blI2378
blr5558	-2.24	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5558
blr4223	-2.25	0.00	Hypothetical	No similarity	hypothetical protein blr4223
bsI1405	-2.26	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI1405
blI3711	-2.26	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI3711
blr7860	-2.26	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7860
blI7976	-2.27	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7976
blr3500	-2.28	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3500
bsr6752	-2.28	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr6752
bsr5590	-2.28	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr5590
blr6772	-2.29	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr6772
blI6165	-2.29	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6165
blr3169	-2.31	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3169
blr3159	-2.33	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3159
bsI6560	-2.34	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI6560
blI7080	-2.35	0.00	Hypothetical	No similarity	hypothetical protein blI7080
blI4739	-2.35	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4739
blI1291	-2.35	0.00	Hypothetical	No similarity	hypothetical protein blI1291
blI5555	-2.36	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI5555
blI2600	-2.39	0.00	Hypothetical	No similarity	hypothetical protein blI2600
blI5076	-2.40	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI5076
bsI4014	-2.40	0.00	Hypothetical	No similarity	hypothetical protein bsI4014
blr7534	-2.42	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7534

blI4278	-2.42	0.00	Hypothetical	No similarity	hypothetical protein blI4278
blI6168	-2.42	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6168
blI0014	-2.43	0.00	Hypothetical	No similarity	hypothetical protein blI0014
blI4354	-2.43	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4354
blI5085	-2.45	0.00	Hypothetical	No similarity	hypothetical protein blI5085
blr5174	-2.46	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5174
blI7046	-2.48	0.00	Hypothetical	No similarity	hypothetical protein blI7046
bsI5035	-2.52	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI5035
blr4226	-2.53	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4226
blr2597	-2.53	0.00	Hypothetical	No similarity	hypothetical protein blr2597
blI7511	-2.54	0.00	Hypothetical	No similarity	hypothetical protein blI7511
blI2537	-2.55	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2537
bsI6734	-2.56	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI6734
blr7465	-2.57	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7465
blI7148	-2.58	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7148
blr7436	-2.58	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7436
bsI1312	-2.59	0.00	Hypothetical	No similarity	hypothetical protein bsI1312
bsr4726	-2.60	0.00	Hypothetical	No similarity	hypothetical protein bsr4726
blI7711	-2.65	0.00	Hypothetical	No similarity	hypothetical protein blI7711
blr4022	-2.67	0.00	Hypothetical	No similarity	hypothetical protein blr4022
blr7652	-2.67	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr7652
blI6649	-2.69	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6649
bsI2574	-2.70	0.00	Hypothetical	No similarity	hypothetical protein bsI2574
blI5629	-2.71	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI5629
bsr4248	-2.73	0.00	Hypothetical	No similarity	hypothetical protein bsr4248
blI6993	-2.74	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI6993
blI4722	-2.74	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4722
blI2411	-2.80	0.00	Hypothetical	No similarity	hypothetical protein blI2411
bsI0032	-2.80	0.00	Hypothetical	No similarity	hypothetical protein bsI0032
bsr1472	-2.82	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr1472
bsr4225	-2.82	0.00	Hypothetical	No similarity	hypothetical protein bsr4225
blI4293	-2.83	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI4293
blr4215	-2.84	0.00	Hypothetical	No similarity	hypothetical protein blr4215
bsI2602	-2.85	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI2602
blr2787	-2.86	0.00	Hypothetical	No similarity	hypothetical protein blr2787
bsr7048	-2.86	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr7048
bsI2596	-2.92	0.00	Hypothetical	No similarity	hypothetical protein bsI2596
blr4053	-2.97	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4053
blr6682	-2.97	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr6682
bsI7915	-3.03	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI7915
blI2851	-3.04	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2851
blr5102	-3.06	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5102
blI7406	-3.08	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7406
blI3066	-3.12	0.00	Hypothetical	No similarity	hypothetical protein blI3066
blr5561	-3.13	0.00	Hypothetical	No similarity	hypothetical protein blr5561
blI5859	-3.18	0.00	Hypothetical	No similarity	hypothetical protein blI5859
blI3421	-3.21	0.00	Hypothetical	No similarity	hypothetical protein blI3421
bsI7781	-3.24	0.00	Hypothetical	No similarity	hypothetical protein bsI7781
blI2461	-3.25	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI2461
bsI1473	-3.27	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI1473
blI3009	-3.33	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI3009
bsr7049	-3.36	0.00	Hypothetical	No similarity	hypothetical protein bsr7049
blr2846	-3.38	0.00	Hypothetical	No similarity	hypothetical protein blr2846
bsI6114	-3.39	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsI6114
bsI6119	-3.44	0.00	Hypothetical	No similarity	hypothetical protein bsI6119
bsr7796	-3.46	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr7796
blI4579	-3.46	0.00	Hypothetical	No similarity	hypothetical protein blI4579
blI3023	-3.60	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI3023
blr5554	-3.68	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5554
blI2228	-3.81	0.00	Hypothetical	No similarity	hypothetical protein blI2228
blr8063	-3.85	0.00	Hypothetical	No similarity	hypothetical protein blr8063
blI0912	-3.87	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI0912
blr2889	-3.90	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr2889
bsr4235	-3.98	0.00	Hypothetical	No similarity	hypothetical protein bsr4235
bsr5347	-4.16	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr5347
blr4214	-4.24	0.00	Hypothetical	No similarity	hypothetical protein blr4214
bsr5508	-4.40	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr5508
blr4162	-4.50	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr4162
blI1466	-4.76	0.00	Hypothetical	No similarity	hypothetical protein blI1466
blr6123	-4.84	0.00	Hypothetical	No similarity	hypothetical protein blr6123
blr3681	-4.96	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr3681
blr1496	-5.12	0.00	Hypothetical	No similarity	hypothetical protein blr1496
blr6774	-5.28	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr6774
blI2363	-5.58	0.00	Hypothetical	No similarity	hypothetical protein blI2363
bsr7643	-6.18	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein bsr7643
blI7395	-6.27	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI7395
blr5502	-7.12	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr5502
bsI4407	-7.15	0.00	Hypothetical	No similarity	hypothetical protein bsI4407
blr2887	-19.66	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blr2887
blI5155	-26.11	0.00	Hypothetical	Conserved hypothetical protein	hypothetical protein blI5155
