

SUPPLEMENTAL MATERIAL:

Table S1: List of genes differentially expressed 2-fold or more in the RNA-Seq data

Accession number	Locus tag in v5b	Gene name	Protein product	Fold ^a regulation
ACV-0290526	CKS-0458		Sigma-fimbriae uncharacterized paralogous subunit	11.5 (R)
ACV-0288878	CKS-4672	<i>yjbE</i>	YjbE secreted protein	7.7 (R)
ACV-0290502	CKS-0482	<i>dkgA</i>	Methylglyoxal reductase, acetol producing / 2,5-diketo-D-gluconate reductase A	6.8 (R)
ACV-0286343	CKS-4376		Putative transcriptional regulator	6.8 (R)
ACV-0287180	CKS-1103		Conidiation-specific protein 10	6.7 (R)
ACV-0290434	CKS-0551		Carbonic anhydrase	6.3 (R)
ACV-0290065	CKS-3595		L-sorbose dehydrogenase	6.2 (R)
ACV-0290380	CKS-0606	<i>yciF</i>	Protein YciF	5.8 (R)
ACV-0288895	CKS-4689		Conjugative transfer protein	5.8 (R)
ACV-0285957	CKS-2570	<i>rcaA</i>	Colanic acid capsular biosynthesis activation accessory protein RcsA, co-regulator with RcsB	5.8 (R)
ACV-0288505	CKS-0881		Protein of unknown function DUF1471	5.8 (R)
ACV-0290433	CKS-0552		Sulfate permease	5.6 (R)
ACV-0286467	CKS-3219		Cellulose synthase (UDP-forming)	5.2 (R)
ACV-0290523	CKS-0461		Sigma-fimbriae usher protein	5.1 (R)
ACV-0289538	CKS-2247	<i>wceL</i>	Exopolysaccharide biosynthesis protein	4.7 (R)
ACV-0285928	CKS-2108		Putative type I secretion protein	4.5 (R)
ACV-0290525	CKS-0459		Sigma-fimbriae uncharacterized paralogous subunit	4.4 (R)
ACV-0289613	CKS-2172	<i>lysP</i>	Lysine-specific permease	4.4 (R)
ACV-0287610	CKS-5070	<i>osmY</i>	Osmotically inducible protein OsmY	4.3 (R)
ACV-0288876	CKS-4670	<i>ymcB</i>	Putative uncharacterized protein YmcB	4.3 (R)
ACV-0286879	CKS-2708	<i>wceG</i> ₂	Undecaprenyl-phosphate galactose phosphotransferase	4.2 (R)
ACV-0291148	CKS-1361	<i>lysA</i>	Diaminopimelate decarboxylase	4.2 (R)
ACV-0285930	CKS-2110		Putative ATP-binding component of a transport system	4.1 (R)
ACV-0287973	CKS-1762		Permease of the drug/metabolite transporter (DMT) superfamily	4.1 (R)
ACV-0287347	CKS-2413	<i>elaB</i>	Protein of unknown function DUF883, ElaB	4.0 (R)
ACV-0289537	CKS-2248		Glycosyl transferase, family 2	3.9 (R)
ACV-0287576	CKS-5036		Inositol-1-monophosphatase	3.9 (R)
ACV-0288877	CKS-4671		Predicted outer membrane lipoprotein	3.8 (R)
ACV-0288287	CKS-4120		Putative bacteriophage protein	3.8 (R)

ACV-0291122	CKS-1333	<i>ygdI</i>	Putative lipoprotein	3.7 (R)
ACV-0285999	CKS-2612		Phage holin	3.6 (R)
ACV-0290321	CKS-0665	<i>yqjD</i>	Uncharacterized membrane protein YqjD	3.6 (R)
ACV-0291056	CKS-1267	<i>mltB</i>	Membrane-bound lytic murein transglycosylase B precursor	3.6 (R)
ACV-0288281	CKS-4114		Putative bacteriophage protein	3.6 (R)
ACV-0288286	CKS-4119		Putative bacteriophage protein	3.5 (R)
ACV-0288284	CKS-4117		Putative bacteriophage protein	3.5 (R)
ACV-0285948	CKS-2561	<i>yodC</i>	Putative cytoplasmic protein	3.5 (R)
ACV-0288290	CKS-4123		Putative bacteriophage protein	3.5 (R)
ACV-0286176	CKS-4567		Secretion system regulator of DegU/UvrY/BvgA type	3.5 (R)
ACV-0288302	CKS-4135		Putative bacteriophage protein	3.4 (R)
ACV-0289276	CKS-3527		Conidiation-specific protein 10	3.4 (R)
ACV-0286473	CKS-3213		Sensory box histidine kinase/response regulator	3.4 (R)
ACV-0288288	CKS-4121		Putative bacteriophage protein	3.4 (R)
ACV-0290322	CKS-0664	<i>yqjC</i>	Periplasmic protein YqjC	3.4 (R)
ACV-0289540	CKS-2245	<i>etp</i>	Low molecular weight protein-tyrosine-phosphatase Wzb	3.4 (R)
ACV-0290611	CKS-0373		PTS system, cellobiose-specific IIB component	3.4 (R)
ACV-0288283	CKS-4116		Putative bacteriophage protein	3.4 (R)
ACV-0289544	CKS-2241		Undecaprenol-phosphate galactosephosphotransferase/O-antigen transferase	3.4 (R)
ACV-0286146	CKS-4537		Pathogenicity 1 island effector protein	3.3 (R)
ACV-0290342	CKS-0644		Diaminobutyrate-pyruvate transaminase & L-2,4-diaminobutyrate decarboxylase	3.3 (R)
ACV-0285656	CKS-1834		Glycerol dehydrogenase	3.3 (R)
ACV-0288871	CKS-4665		Putative oligogalacturonide transporter	3.2 (R)
ACV-0289663	CKS-2121		Sugar (Glycoside-Pentoside-Hexuronide) transporter	3.2 (R)
ACV-0286016	CKS-2629		Phage tail sheath protein FI	3.2 (R)
ACV-0287057	CKS-1226	<i>rbsD</i>	Ribose ABC transport system, high affinity permease RbsD	3.2 (R)
ACV-0286242	CKS-4633		Haemolysin expression modulating protein	3.2 (R)
ACV-0288977	CKS-4771		Acytransferase 3	3.2 (R)
ACV-0288285	CKS-4118		Putative bacteriophage protein	3.2 (R)
ACV-0289287	CKS-3516		Oligogalacturonide transporter	3.2 (R)
ACV-0285929	CKS-2109		Putative cytoplasmic membrane export protein	3.1 (R)
ACV-0288294	CKS-4127		Putative bacteriophage protein	3.1 (R)
ACV-0288875	CKS-4669	<i>yjbH</i>	YjbH outer membrane lipoprotein	3.1 (R)

ACV-0286703	CKS-2983		Phytochelatin synthase, bacterial type	3.1 (R)
ACV-0286848	CKS-2740	<i>hns</i>	DNA-binding protein H-NS	3.1 (R)
ACV-0290230	CKS-2767		Putative lipoprotein	3.1 (R)
ACV-0286463	CKS-3223		Response regulator	3.0 (R)
ACV-0290379	CKS-0607	<i>yciE</i>	Protein YciE	3.0 (R)
ACV-0288276	CKS-4109		Putative bacteriophage protein	3.0 (R)
ACV-0288292	CKS-4125		Putative bacteriophage protein	3.0 (R)
ACV-0286560	CKS-3126	<i>yebG</i>	Hypothetical protein	3.0 (R)
ACV-0287846	CKS-2944	<i>malT</i>	Transcriptional activator of maltose regulon, malt	2.9 (R)
ACV-0288282	CKS-4115		Putative bacteriophage protein	2.9 (R)
ACV-0290781	CKS-0202	<i>ybaY</i>	Glycoprotein-polysaccharide metabolism	2.9 (R)
ACV-0288293	CKS-4126		Putative bacteriophage protein	2.9 (R)
ACV-0289712	CKS-3319	<i>yehH</i>	Probable membrane protein YPO2012	2.9 (R)
ACV-0287445	CKS-3703		L-fucose operon activator	2.8 (R)
ACV-0289985	CKS-0827		DNA topoisomerase III	2.8 (R)
ACV-0289531	CKS-2254	<i>wzxC</i>	Lipopolysaccharide biosynthesis protein WzxC	2.8 (R)
ACV-0286735	CKS-5564		Cro repressor	2.8 (R)
ACV-0289331	CKS-3472	<i>katE</i>	Catalase	2.8 (R)
ACV-0289539	CKS-2246		Tyrosine-protein kinase Wzc	2.8 (R)
ACV-0286491	CKS-3195	<i>fliD</i>	Flagellar hook-associated protein FliD	2.8 (R)
ACV-0288017	CKS-1718		ABC transporter, permease protein	2.8 (R)
ACV-0289060	CKS-4855	<i>blc</i>	Outer membrane lipoprotein Blc	2.8 (R)
ACV-0288793	CKS-1592		Bacterioferritin-associated ferredoxin	2.8 (R)
ACV-0285912	CKS-2092	<i>elaB</i>	Elab protein	2.8 (R)
ACV-0287598	CKS-5058		Putative starvation-inducible protein	2.7 (R)
ACV-0287316	CKS-2444		Bicupin, oxalate decarboxylase family	2.7 (R)
ACV-0286081	CKS-5373		Mobilization protein	2.7 (R)
ACV-0288949	CKS-4743		Ferrous iron transport protein A	2.6 (R)
ACV-0285833	CKS-2013	<i>yfcZ</i>	Hypothetical protein	2.6 (R)
ACV-0287611	CKS-5071	<i>ytjA</i>	Hypothetical protein	2.6 (R)
ACV-0288301	CKS-4134		Putative bacteriophage protein	2.6 (R)
ACV-0290341	CKS-0645		Putative siderophore biosynthetic enzyme	2.6 (R)
ACV-0287980	CKS-1755		Isehe3 orfb	2.6 (R)
ACV-0290522	CKS-0462		Sigma-fimbriae usher protein	2.6 (R)
ACV-0289580	CKS-2205		DEAD/DEAH box helicase domain protein	2.6 (R)
ACV-0288194	CKS-4025	<i>ycbW</i>	Hypothetical protein	2.6 (R)
ACV-0285958	CKS-2571	<i>fliR</i>	Flagellar biosynthesis protein FliR	2.5 (R)
ACV-0286178	CKS-4569		Secreted effector protein	2.5 (R)
ACV-0287392	CKS-2368		Protein gp55 precursor	2.5 (R)
ACV-0290524	CKS-0460		Sigma-fimbriae chaperone protein	2.5 (R)

ACV-0286337	CKS-4370	<i>yibL</i>	Hypothetical protein	2.5 (R)
ACV-0288299	CKS-4132		Phage-related protein	2.5 (R)
ACV-0288303	CKS-4136		Putative bacteriophage tail protein	2.5 (R)
ACV-0290571	CKS-0413		Protein gp47	2.5 (R)
ACV-0285931	CKS-2111		Putative protein secretion efflux system, membrane fusion protein (hemolysin-type secretion transmembrane protein) (superfamily ABC, membrane)	2.5 (R)
ACV-0291295	CKS-3815		Probable secreted protein	2.5 (R)
ACV-0288416	CKS-0970	<i>uspB</i>	Universal stress protein B	2.5 (R)
ACV-0285655	CKS-1833		Putative lyse family transporter	2.5 (R)
ACV-0289536	CKS-2249		Putative glycosyl transferase	2.4 (R)
ACV-0288222	CKS-4055	<i>yccJ</i>	Hypothetical protein	2.4 (R)
ACV-0287216	CKS-2545		Putative MFS transporter	2.4 (R)
ACV-0288740	CKS-1539		Extracellular metalloprotease	2.4 (R)
ACV-0285724	CKS-1903		Gifsy-1 prophage ci	2.4 (R)
ACV-0285615	CKS-1793	<i>mdtJ</i>	Spermidine export protein MdtJ	2.4 (R)
ACV-0286541	CKS-3145		Na ⁺ /solute symporter	2.4 (R)
ACV-0286474	CKS-3212		COG3250: Beta-galactosidase/beta-glucuronidase	2.4 (R)
ACV-0286147	CKS-4538		Type III secretion apparatus	2.4 (R)
ACV-0287848	CKS-2942		GCN5-related N-acetyltransferase	2.4 (R)
ACV-0290452	CKS-0533		Putative periplasmic protein	2.4 (R)
ACV-0285925	CKS-2105		Large repetitive protein	2.4 (R)
ACV-0290819	CKS-0164		Major tail tube protein	2.4 (R)
ACV-0290231	CKS-2766	<i>ompW</i>	Outer membrane protein W precursor	2.4 (R)
ACV-0289726	CKS-3333	<i>chaB</i>	Cation transport regulator ChaB	2.4 (R)
ACV-0291048	CKS-1259		Carbon storage regulator	2.3 (R)
ACV-0290836	CKS-0147		Phage major capsid protein #Fam0066	2.3 (R)
ACV-0288415	CKS-0971	<i>uspA</i>	Universal stress protein A	2.3 (R)
ACV-0288263	CKS-4096		Putative CI repressor	2.3 (R)
ACV-0290049	CKS-3579		Hypothetical transporter YidO, benzoate like (BenE), MFS superfamily	2.3 (R)
ACV-0288409	CKS-0977		Putative CI repressor	2.3 (R)
ACV-0286159	CKS-4550	<i>fliC</i>	Flagellar biosynthesis protein FliC	2.3 (R)
ACV-0289541	CKS-2244		Polysaccharide export protein	2.3 (R)
ACV-0285616	CKS-1794	<i>mdtI</i>	Spermidine export protein MdtI	2.3 (R)
ACV-0288792	CKS-1591	<i>bfr</i>	Bacterioferritin	2.3 (R)
ACV-0289059	CKS-4854	<i>ecnB</i>	Hypothetical protein	2.3 (R)
ACV-0285956	CKS-2569	<i>trg</i>	Methyl-accepting chemotaxis protein III (ribose and galactose chemoreceptor protein)	2.3 (R)
ACV-0288295	CKS-4128		Putative bacteriophage protein	2.3 (R)
ACV-0286131	CKS-4522		Type III secretion chaperone protein for	2.3 (R)

			YopD (SycD)	
ACV-0288310	CKS-4143	<i>cycA</i>	D-serine/D-alanine/glycine transporter	2.2 (R)
ACV-0289123	CKS-4920	<i>yhbO</i>	ThiJ/PfpI family protein	2.2 (R)
ACV-0288451	CKS-0935	<i>yhhQ</i>	Putative preq0 transporter	2.2 (R)
ACV-0287802	CKS-5262	<i>dxr</i>	1-deoxy-D-xylulose 5-phosphate reductoisomerase	2.2 (R)
ACV-0288137	CKS-3968	<i>cspD</i>	Cold shock proteinCspD	2.2 (R)
ACV-0287487	CKS-3898		Resolvase	2.2 (R)
ACV-0287296	CKS-2464		Formate dehydrogenase related protein	2.2 (R)
ACV-0290558	CKS-0426		Putative membrane protein	2.2 (R)
ACV-0286754	CKS-5584		Membrane glycoprotein	2.2 (R)
ACV-0286133	CKS-4524		Type III secretion inner membrane protein (ysct,hrct,spar,esct,epar1, homologous to flagellar export components)	2.2 (R)
ACV-0290490	CKS-0494		Probable PTS system regulatory protein	2.2 (R)
ACV-0290639	CKS-0345		Filamentous haemagglutinin family outer membrane protein	2.2 (R)
ACV-0289733	CKS-3340	<i>impM</i>	Protein phosphatase ImpM	2.1 (R)
ACV-0288356	CKS-1030	<i>ybdJ</i>	Putative inner membrane protein	2.1 (R)
ACV-0288759	CKS-1558	<i>mscL</i>	Large-conductance mechanosensitive channel	2.1 (R)
ACV-0286947	CKS-4182	<i>msyB</i>	Acidic protein MsyB	2.1 (R)
ACV-0290319	CKS-0667	<i>yqjK</i>	Inner membrane protein YqjK	2.1 (R)
ACV-0290634	CKS-0350		Filamentous haemagglutinin family outer membrane protein	2.1 (R)
ACV-0287318	CKS-2442	<i>aldB</i>	Aldehyde dehydrogenase	2.1 (R)
ACV-0289200	CKS-5001		Fimbrial protein precursor	2.1 (R)
ACV-0288317	CKS-4150	<i>uvrY</i>	Bara-associated response regulator UvrY	2.1 (R)
ACV-0290092	CKS-2905		Predicted sugar transporter	2.1 (R)
ACV-0289765	CKS-3372	<i>astE</i>	Succinylglutamate desuccinylase	2.1 (R)
ACV-0289333	CKS-3470		Malto-oligosyltrehalose synthase	2.1 (R)
ACV-0290320	CKS-0666	<i>yqjE</i>	Inner membrane protein YqjE	2.1 (R)
ACV-0289713	CKS-3320		GGDEF domain protein	2.1 (R)
ACV-0286141	CKS-4532		Type III secretion system apparatus protein	2.1 (R)
ACV-0287381	CKS-2379		NUDIX hydrolase	2.1 (R)
ACV-0286540	CKS-3146		Dihydrodipicolinate synthase	2.1 (R)
ACV-0290158	CKS-2839	<i>ydbJ</i>	Probable lipoprotein YPO2331	2.1 (R)
ACV-0290648	CKS-0336		Glycerol metabolism operon regulatory protein	2.0 (R)
ACV-0291055	CKS-1266	<i>phnA</i>	Alkylphosphonate utilization operon protein PhnA	2.0 (R)
ACV-0288300	CKS-4133		Putative bacteriophage protein	2.0 (R)
ACV-0289262	CKS-3541		Oxidoreductase domain protein	2.0 (R)

ACV-0289533	CKS-2252	<i>wcaK</i>	Colanic acid biosynthesis protein WcaK	2.0 (R)
ACV-0289468	CKS-2317	<i>yeeX</i>	Hypothetical protein	2.0 (R)
ACV-0287480	CKS-3905		IS911 orfa	2.0 (R)
ACV-0288910	CKS-4704		Glutathione S-transferase	2.0 (R)
ACV-0287438	CKS-3710		Citrate carrier protein	2.0 (R)
ACV-0290095	CKS-2902	<i>yghA</i>	Putative oxidoreductase	2.0 (R)
ACV-0286079	CKS-5371		DNA topoisomerase III	2.0 (R)
ACV-0286883	CKS-2704	<i>ycgB</i>	Putative sporulation protein	2.0 (R)
ACV-0286153	CKS-4544		Lytic transglycosylase, catalytic	2.0 (R)
ACV-0289525	CKS-2260		Undecaprenyl-phosphate N-acetylglucosaminyl 1-phosphate transferase	2.0 (R)
ACV-0286180	CKS-4571		Virulence protein	2.0 (R)
ACV-0287730	CKS-5190	<i>ampD</i>	N-acetylmuramoyl-L-alanine amidase ampd	2.0 (R)
ACV-0291279	CKS-3797	<i>ybgC</i>	4-hydroxybenzoyl-coa thioesterase family	2.0 (A)
ACV-0291071	CKS-1282	<i>cysN</i>	Sulfate adenylyltransferase subunit 1	2.0 (A)
ACV-0286673	CKS-3013		L-2,4-diaminobutyrate decarboxylase	2.0 (A)
ACV-0286487	CKS-3199		Putative transcriptional regulator	2.0 (A)
ACV-0286416	CKS-3270		HrpF protein (<i>hrp</i> cluster)	2.0 (A)
ACV-0286633	CKS-3053		Homoserine/homoserine lactone efflux protein	2.0 (A)
ACV-0290056	CKS-3586		Phosphotransferase system lactose/cellobiose-specific IIB subunit	2.0 (A)
ACV-0288879	CKS-4673	<i>pgi</i>	Glucose-6-phosphate isomerase	2.0 (A)
ACV-0286664	CKS-3022		Anion transporter	2.0 (A)
ACV-0286288	CKS-4321		2-ketogluconate utilization repressor ptxs	2.0 (A)
ACV-0286674	CKS-3012		Diaminobutyrate--2-oxoglutarate aminotransferase	2.0 (A)
ACV-0290953	CKS-0001	<i>purH</i>	IMP cyclohydrolase / Phosphoribosylaminoimidazolecarboxamide formyltransferase	2.1 (A)
ACV-0289042	CKS-4836		Aldo-keto reductase	2.1 (A)
ACV-0290302	CKS-0684	<i>diaA</i>	Phosphoheptose isomerase	2.1 (A)
ACV-0288462	CKS-0924		Putative acetyltransferase	2.1 (A)
ACV-0287497	CKS-3888		ArdR protein	2.1 (A)
ACV-0289133	CKS-4930	<i>ftsI</i>	Cell division protein FtsI [Peptidoglycan synthetase]	2.1 (A)
ACV-0285631	CKS-1809		Protease II	2.1 (A)
ACV-0290872	CKS-0110	<i>lexA</i>	SOS-response repressor and protease LexA	2.1 (A)
ACV-0289168	CKS-4965		Extracellular solute-binding protein, family 5	2.1 (A)
ACV-0289058	CKS-4853	<i>ecnA</i>	Hypothetical protein	2.1 (A)

ACV-0287177	CKS-1106	<i>cpxR</i>	Copper-sensing two-component system response regulator CpxR	2.1 (A)
ACV-0286411	CKS-3275	<i>hrpN</i>	Elicitor of the hypersensitivity reaction HrpN (<i>hrp</i> cluster)	2.1 (A)
ACV-0287013	CKS-4248	<i>ndh</i>	NADH dehydrogenase	2.1 (A)
ACV-0288326	CKS-1771		Formate efflux transporter	2.2 (A)
ACV-0289322	CKS-3481	<i>tppB</i>	Di/tripeptide permease DtpA	2.2 (A)
ACV-0291078	CKS-1289		Endoribonuclease L-PSP	2.2 (A)
ACV-0287320	CKS-2440		Glutamine amidotransferase	2.2 (A)
ACV-0287426	CKS-3722	<i>tatE</i>	Twin-arginine translocation protein TatE	2.2 (A)
ACV-0286882	CKS-2705		D-amino acid dehydrogenase small subunit	2.2 (A)
ACV-0286239	CKS-4630		Cellulase	2.2 (A)
ACV-0285737	CKS-1916		Endodeoxyribonuclease RusA	2.2 (A)
ACV-0286270	CKS-4303	<i>dtd</i>	D-tyrosyl-trna(Tyr) deacylase	2.2 (A)
ACV-0291281	CKS-3799	<i>tolR</i>	Tol biopolymer transport system, TolR protein	2.3 (A)
ACV-0286568	CKS-3118		Hypothetical transmembrane protein coupled to NADH-ubiquinone oxidoreductase chain 5 homolog	2.3 (A)
ACV-0289622	CKS-2163	<i>fruB</i>	Fructose-specific phosphocarrier protein HPR / PTS system, fructose-specific IIA component	2.3 (A)
ACV-0291280	CKS-3798	<i>tolQ</i>	MotA/TolQ/ExbB proton channel family protein	2.3 (A)
ACV-0286034	CKS-2647		OspG	2.3 (A)
ACV-0287580	CKS-5040		Methionine synthase, vitamin-B12 independent	2.3 (A)
ACV-0289470	CKS-2315	<i>dacD</i>	D-alanyl-D-alanine carboxypeptidase	2.3 (A)
ACV-0290242	CKS-2755	<i>yciU</i>	Hypothetical protein	2.4 (A)
ACV-0287014	CKS-4249	<i>ycfJ</i>	Putative exported protein	2.4 (A)
ACV-0288517	CKS-0869	<i>yrfF</i>	IgaA: a membrane protein that prevents overactivation of the Rcs regulatory system	2.4 (A)
ACV-0290793	CKS-0190	<i>ykgM</i>	Putative ribosomal protein	2.4 (A)
ACV-0289327	CKS-3476		Membrane-bound lysozyme inhibitor of c-type lysozyme	2.4 (A)
ACV-0288393	CKS-0993		Inositol-1-monophosphatase	2.5 (A)
ACV-0288510	CKS-0876	<i>ompR</i>	Two-component system response regulator OmpR	2.5 (A)
ACV-0288957	CKS-4751		Endo-1,4-beta-xylanase	2.5 (A)
ACV-0290308	CKS-0678		C-terminal fragment of a PLP-dependent catabolic threonine dehydratase	2.6 (A)
ACV-0290288	CKS-0698		Putative inner membrane protein	2.6 (A)
ACV-0289585	CKS-2200	<i>ahpF</i>	Alkyl hydroperoxide reductase protein F	2.6 (A)

ACV-0291275	CKS-3793		Cytochrome d ubiquinol oxidase subunit I	2.6 (A)
ACV-0291072	CKS-1283	<i>cysD</i>	Sulfate adenylyltransferase subunit 2	2.6 (A)
ACV-0288385	CKS-1001		Possible ABC transporter, periplasmic substrate X binding protein precursor	2.6 (A)
ACV-0287591	CKS-5051	<i>yaiE</i>	Cytoplasmic protein YaiE	2.7 (A)
ACV-0286569	CKS-3117		NADH dehydrogenase, subunit 5	2.7 (A)
ACV-0286289	CKS-4322		Periplasmic binding protein/LacI transcriptional regulator	2.7 (A)
ACV-0287790	CKS-5250	<i>degP</i>	HtrA protease/chaperone protein	2.8 (A)
ACV-0286426	CKS-3260		Nitrate/nitrite sensor protein	2.9 (A)
ACV-0288744	CKS-1543		Lipase	2.9 (A)
ACV-0290791	CKS-0192		COG0803: ABC-type metal ion transport system, periplasmic component/surface adhesin	3.0 (A)
ACV-0287183	CKS-1100	<i>sbp</i>	Sulfate-binding protein Sbp	3.0 (A)
ACV-0288306	CKS-4139		Putative DNA damage-inducible protein	3.1 (A)
ACV-0285895	CKS-2075		Lysr family transcriptional regulator LrhA	3.2 (A)
ACV-0287319	CKS-2441		Methyltransferase	3.2 (A)
ACV-0289810	CKS-3417	<i>sufE</i>	Sulfur acceptor protein SufE for iron-sulfur cluster assembly	3.2 (A)
ACV-0289269	CKS-3534		Membrane-fusion protein	3.3 (A)
ACV-0285804	CKS-1984		Phage-related protein	3.6 (A)
ACV-0289993	CKS-0835		Atpase involved in chromosome partitioning	4.7 (A)
ACV-0290094	CKS-2903	<i>esaR</i>	Quorum-sensing transcriptional activator EsaRsar	5.4 (A)
ACV-0290191	CKS-2806		Putative formate dehydrogenase oxidoreductase protein	5.5 (A)
ACV-0285632	CKS-1810	<i>yebE</i>	Hypothetical protein	6.3 (A)
ACV-0290093	CKS-2904	<i>esaI</i>	N-3-oxooctanoyl-L-homoserine lactone synthase	7.3 (A)
ACV-0290388	CKS-0598		Methyl-accepting chemotaxis sensory transducer	7.6 (A)
ACV-0289766	CKS-3373	<i>spy</i>	Periplasmic protein related to spheroblast formation	9.7 (A)

^a (A) denotes fold activation, (R) denotes fold repression by EsaR as seen in the RNA-Seq data.

Table S2: List of hypothetical-protein encoding genes differentially expressed 2-fold or more in the RNA-Seq data

Accession number	Locus Tag	Protein product	Fold regulation^{a, b}
ACV-0290189	CKS-2808	hypothetical protein	13.2 (R)
ACV-0286341	CKS-4374	hypothetical protein	9.6 (R)
ACV-0285926	CKS-2106	hypothetical protein	8.3 (R)
ACV-0286469	CKS-3217	hypothetical protein	8.3 (R)
ACV-0290064	CKS-3594	hypothetical protein	6.8 (R)
ACV-0288716	CKS-1515	hypothetical protein	6.8 (R)
ACV-0290400	CKS-0586	hypothetical protein	6.6 (R)
ACV-0286559	CKS-3127	hypothetical protein	5.7 (R)
ACV-0288436	CKS-0950	hypothetical protein	5.2 (R)
ACV-0291240	CKS-3758	hypothetical protein	4.5 (R)
ACV-0290383	CKS-0603	hypothetical protein	4.4 (R)
ACV-0290572	CKS-0412	hypothetical protein	4.3 (R)
ACV-0286470	CKS-3216	hypothetical protein	4.2 (R)
ACV-0286465	CKS-3221	hypothetical protein	4.2 (R)
ACV-0288257	CKS-4090	hypothetical protein	4.2 (R)
ACV-0286472	CKS-3214	hypothetical protein	4.2 (R)
ACV-0286716	CKS-2970	hypothetical protein	4.0 (R)
ACV-0286471	CKS-3215	hypothetical protein	4.0 (R)
ACV-0288250	CKS-4083	hypothetical protein	3.9 (R)
ACV-0288259	CKS-4092	hypothetical protein	3.8 (R)
ACV-0290423	CKS-0562	hypothetical protein	3.8 (R)
ACV-0288255	CKS-4088	hypothetical protein	3.7 (R)
ACV-0288252	CKS-4085	hypothetical protein	3.7 (R)
ACV-0288280	CKS-4113	hypothetical protein	3.6 (R)
ACV-0288291	CKS-4124	hypothetical protein	3.5 (R)
ACV-0286702	CKS-2984	hypothetical protein	3.5 (R)
ACV-0287117	CKS-1166	hypothetical protein	3.5 (R)
ACV-0286018	CKS-2631	hypothetical protein	3.5 (R)
ACV-0286717	CKS-2969	hypothetical protein	3.3 (R)
ACV-0288254	CKS-4087	hypothetical protein	3.3 (R)
ACV-0286846	CKS-2742	hypothetical protein	3.3 (R)
ACV-0288289	CKS-4122	hypothetical protein	3.2 (R)
ACV-0288253	CKS-4086	hypothetical protein	3.2 (R)
ACV-0288251	CKS-4084	hypothetical protein	3.2 (R)
ACV-0288884	CKS-4678	hypothetical protein	3.1 (R)

ACV-0290401	CKS-0585	hypothetical protein	3.1 (R)
ACV-0286009	CKS-2622	hypothetical protein	3.1 (R)
ACV-0286747	CKS-5576	hypothetical protein	3.0 (R)
ACV-0286468	CKS-3218	hypothetical protein	2.9 (R)
ACV-0290440	CKS-0545	hypothetical protein	2.9 (R)
ACV-0287288	CKS-2472	hypothetical protein	2.9 (R)
ACV-0290338	CKS-0648	hypothetical protein	2.9 (R)
ACV-0286464	CKS-3222	hypothetical protein	2.9 (R)
ACV-0288311	CKS-4144	hypothetical protein	2.9 (R)
ACV-0286725	CKS-2961	hypothetical protein	2.8 (R)
ACV-0291013	CKS-5649	hypothetical protein	2.8 (R)
ACV-0290586	CKS-0398	hypothetical protein	2.8 (R)
ACV-0288262	CKS-4095	hypothetical protein	2.8 (R)
ACV-0290849	CKS-0134	hypothetical protein	2.8 (R)
ACV-0286090	CKS-5382	hypothetical protein	2.8 (R)
ACV-0286067	CKS-5359	hypothetical protein	2.7 (R)
ACV-0287104	CKS-1179	hypothetical protein	2.7 (R)
ACV-0288258	CKS-4091	hypothetical protein	2.7 (R)
ACV-0286778	CKS-5608	hypothetical protein	2.7 (R)
ACV-0291350	CKS-1465	hypothetical protein	2.6 (R)
ACV-0287058	CKS-1225	hypothetical protein	2.6 (R)
ACV-0286786	CKS-5616	hypothetical protein	2.6 (R)
ACV-0288268	CKS-4101	hypothetical protein	2.6 (R)
ACV-0288404	CKS-0982	hypothetical protein	2.6 (R)
ACV-0288256	CKS-4089	hypothetical protein	2.6 (R)
ACV-0287344	CKS-2416	hypothetical protein	2.6 (R)
ACV-0287877	CKS-5525	hypothetical protein	2.5 (R)
ACV-0290025	CKS-0027	hypothetical protein	2.5 (R)
ACV-0286709	CKS-2977	hypothetical protein	2.5 (R)
ACV-0286489	CKS-3197	hypothetical protein	2.5 (R)
ACV-0286019	CKS-2632	hypothetical protein	2.5 (R)
ACV-0288241	CKS-4074	hypothetical protein	2.5 (R)
ACV-0288248	CKS-4081	hypothetical protein	2.5 (R)
ACV-0290835	CKS-0148	hypothetical protein	2.5 (R)
ACV-0285875	CKS-2055	hypothetical protein	2.5 (R)
ACV-0286010	CKS-2623	hypothetical protein	2.5 (R)
ACV-0287359	CKS-2401	hypothetical protein	2.5 (R)
ACV-0288305	CKS-4138	hypothetical protein	2.4 (R)
ACV-0286753	CKS-5583	hypothetical protein	2.4 (R)

ACV-0291002	CKS-5638	hypothetical protein	2.4 (R)
ACV-0286152	CKS-4543	hypothetical protein	2.4 (R)
ACV-0290527	CKS-0457	hypothetical protein	2.4 (R)
ACV-0286701	CKS-2985	hypothetical protein	2.4 (R)
ACV-0289583	CKS-2202	hypothetical protein	2.4 (R)
ACV-0287560	CKS-5020	hypothetical protein	2.4 (R)
ACV-0286739	CKS-5568	hypothetical protein	2.4 (R)
ACV-0290357	CKS-0629	hypothetical protein	2.4 (R)
ACV-0290075	CKS-3605	hypothetical protein	2.4 (R)
ACV-0285778	CKS-1958	hypothetical protein	2.4 (R)
ACV-0287878	CKS-5526	hypothetical protein	2.4 (R)
ACV-0286165	CKS-4556	hypothetical protein	2.4 (R)
ACV-0290587	CKS-0397	hypothetical protein	2.3 (R)
ACV-0288639	CKS-4450	hypothetical protein	2.3 (R)
ACV-0286219	CKS-4610	hypothetical protein	2.3 (R)
ACV-0287393	CKS-2367	hypothetical protein	2.3 (R)
ACV-0290999	CKS-5635	hypothetical protein	2.3 (R)
ACV-0290567	CKS-0417	hypothetical protein	2.3 (R)
ACV-0290577	CKS-0407	hypothetical protein	2.3 (R)
ACV-0286014	CKS-2627	hypothetical protein	2.3 (R)
ACV-0289687	CKS-3294	hypothetical protein	2.3 (R)
ACV-0287339	CKS-2421	hypothetical protein	2.3 (R)
ACV-0290832	CKS-0151	hypothetical protein	2.3 (R)
ACV-0290887	CKS-0095	hypothetical protein	2.3 (R)
ACV-0289708	CKS-3315	hypothetical protein	2.2 (R)
ACV-0286182	CKS-4573	hypothetical protein	2.2 (R)
ACV-0286024	CKS-2637	hypothetical protein	2.2 (R)
ACV-0290059	CKS-3589	hypothetical protein	2.2 (R)
ACV-0286406	CKS-3280	hypothetical protein	2.2 (R)
ACV-0288243	CKS-4076	hypothetical protein	2.2 (R)
ACV-0286772	CKS-5602	hypothetical protein	2.2 (R)
ACV-0286085	CKS-5377	hypothetical protein	2.2 (R)
ACV-0286099	CKS-4490	hypothetical protein	2.2 (R)
ACV-0285986	CKS-2599	hypothetical protein	2.1 (R)
ACV-0288983	CKS-4777	hypothetical protein	2.1 (R)
ACV-0289694	CKS-3301	hypothetical protein	2.1 (R)
ACV-0290622	CKS-0362	hypothetical protein	2.1 (R)
ACV-0290889	CKS-0093	hypothetical protein	2.1 (R)
ACV-0286022	CKS-2635	hypothetical protein	2.1 (R)

ACV-0288304	CKS-4137	hypothetical protein	2.1 (R)
ACV-0289820	CKS-3430	hypothetical protein	2.1 (R)
ACV-0287039	CKS-4274	hypothetical protein	2.1 (R)
ACV-0290653	CKS-0331	hypothetical protein	2.1 (R)
ACV-0286008	CKS-2621	hypothetical protein	2.1 (R)
ACV-0286575	CKS-3111	hypothetical protein	2.1 (R)
ACV-0286163	CKS-4554	hypothetical protein	2.1 (R)
ACV-0289922	CKS-5453	hypothetical protein	2.1 (R)
ACV-0287107	CKS-1176	hypothetical protein	2.1 (R)
ACV-0286181	CKS-4572	hypothetical protein	2.1 (R)
ACV-0286712	CKS-2974	hypothetical protein	2.1 (R)
ACV-0287984	CKS-1751	hypothetical protein	2.1 (R)
ACV-0288911	CKS-4705	hypothetical protein	2.1 (R)
ACV-0286351	CKS-4384	hypothetical protein	2.1 (R)
ACV-0290847	CKS-0136	hypothetical protein	2.1 (R)
ACV-0290895	CKS-0086	hypothetical protein	2.1 (R)
ACV-0286011	CKS-2624	hypothetical protein	2.0 (R)
ACV-0287342	CKS-2418	hypothetical protein	2.0 (R)
ACV-0288739	CKS-1538	hypothetical protein	2.0 (R)
ACV-0286407	CKS-3279	hypothetical protein	2.0 (R)
ACV-0289281	CKS-3522	hypothetical protein	2.0 (R)
ACV-0287328	CKS-2432	hypothetical protein	2.0 (R)
ACV-0287036	CKS-4271	hypothetical protein	2.0 (R)
ACV-0290104	CKS-2893	hypothetical protein	2.0 (R)
ACV-0287915	CKS-3662	hypothetical protein	2.0 (R)
ACV-0289394	CKS-5316	hypothetical protein	2.0 (A)
ACV-0289127	CKS-4924	hypothetical protein	2.0 (A)
ACV-0290880	CKS-0102	hypothetical protein	2.0 (A)
ACV-0291354	CKS-1469	hypothetical protein	2.1 (A)
ACV-0290672	CKS-0312	hypothetical protein	2.1 (A)
ACV-0291020	CKS-5656	hypothetical protein	2.1 (A)
ACV-0289218	CKS-5487	hypothetical protein	2.1 (A)
ACV-0285736	CKS-1915	hypothetical protein	2.2 (A)
ACV-0289244	CKS-3559	hypothetical protein	2.2 (A)
ACV-0289165	CKS-4962	hypothetical protein	2.3 (A)
ACV-0290048	CKS-3578	hypothetical protein	2.3 (A)
ACV-0290498	CKS-0486	hypothetical protein	2.3 (A)
ACV-0287957	CKS-3620	hypothetical protein	2.3 (A)
ACV-0289390	CKS-5312	hypothetical protein	2.4 (A)

ACV-0287555	CKS-5015	hypothetical protein	2.4 (A)
ACV-0289418	CKS-5340	hypothetical protein	2.4 (A)
ACV-0286509	CKS-3177	hypothetical protein	2.5 (A)
ACV-0290412	CKS-0573	hypothetical protein	2.5 (A)
ACV-0286816	CKS-5693	hypothetical protein	2.6 (A)
ACV-0287934	CKS-3643	hypothetical protein	2.7 (A)
ACV-0290286	CKS-0700	hypothetical protein	2.7 (A)
ACV-0287741	CKS-5201	hypothetical protein	2.7 (A)
ACV-0287556	CKS-5016	hypothetical protein	2.8 (A)
ACV-0290394	CKS-0592	hypothetical protein	2.8 (A)
ACV-0287362	CKS-2398	hypothetical protein	2.8 (A)
ACV-0290395	CKS-0591	hypothetical protein	2.9 (A)
ACV-0286758	CKS-5588	hypothetical protein	2.9 (A)
ACV-0286533	CKS-3153	hypothetical protein	3.1 (A)
ACV-0290874	CKS-0108	hypothetical protein	3.1 (A)
ACV-0285807	CKS-1987	hypothetical protein	3.2 (A)
ACV-0285990	CKS-2603	hypothetical protein	3.3 (A)
ACV-0289341	CKS-1642	hypothetical protein	3.3 (A)
ACV-0289294	CKS-3509	hypothetical protein	3.5 (A)
ACV-0285941	CKS-2554	hypothetical protein	3.6 (A)
ACV-0290873	CKS-0109	hypothetical protein	3.7 (A)
ACV-0289132	CKS-4929	hypothetical protein	3.8 (A)
ACV-0290206	CKS-2791	hypothetical protein	3.8 (A)
ACV-0287940	CKS-3637	hypothetical protein	4.0 (A)
ACV-0290788	CKS-0195	hypothetical protein	4.1 (A)
ACV-0286150	CKS-4541	hypothetical protein	4.3 (A)
ACV-0287941	CKS-3636	hypothetical protein	4.3 (A)
ACV-0286069	CKS-5361	hypothetical protein	4.5 (A)
ACV-0285663	CKS-1841	hypothetical protein	5.0 (A)
ACV-0285618	CKS-1796	hypothetical protein	5.8 (A)
ACV-0288958	CKS-4752	hypothetical protein	5.8 (A)
ACV-0287996	CKS-1739	hypothetical protein	6.1 (A)
ACV-0287935	CKS-3642	hypothetical protein	7.5 (A)
ACV-0286567	CKS-3119	hypothetical protein	8.8 (A)
ACV-0288261	CKS-4094	hypothetical protein	9.1 (A)
ACV-0290386	CKS-0600	hypothetical protein	9.4 (A)
ACV-0289202	CKS-5003	hypothetical protein	12.4 (A)
ACV-0287456	CKS-3692	hypothetical protein	12.9 (A)

^a (A) denotes fold activation, (R) denotes fold repression by EsaR as seen in the RNA-Seq data

^b The fold-change in expression of the unnamed hypothetical protein-encoding genes in v5b were computed using the normalization factors for the original analysis of the annotated genes in Table S1.