

Locus tag	Products
LSL_0010	3-hydroxyisobutyrate dehydrogenase
LSL_0013	Large-conductance mechanosensitive channel
LSL_0014	Pyruvate oxidase
LSL_0016	UDP-N-acetylmuramoyl-L-alanyl-D-glutamate-- lysine ligase
LSL_0017	Conserved hypothetical protein
LSL_0018	Aspartate racemase
LSL_0020	Transcriptional regulator, TetR family
LSL_0029	Peptide methionine sulfoxide reductase
LSL_0030	DNA-damage-inducible protein J
LSL_0044	Oxidoreductase
LSL_0047	Conserved hypothetical protein
LSL_0048	Glycerol-3-phosphate transporter
LSL_0052	Na ⁺ driven multidrug efflux pump
LSL_0053	ABC transporter, ATP-binding protein
LSL_0056	Glutamine amidotransferase, class I
LSL_0057	Glutamate--cysteine ligase
LSL_0061	Hypothetical protein
LSL_0070	Putative Zn-dependent protease
LSL_0071	N-acetylglucosaminyltransferase
LSL_0077	Conserved hypothetical protein
LSL_0080	Glyoxalase family protein
LSL_0083	Two-component response regulator
LSL_0085	D-ribose-binding protein
LSL_0097	Hypothetical protein
LSL_0107	Hypothetical protein
LSL_0110	Glycerol kinase
LSL_0126	CAAX amino terminal protease family
LSL_0127	Flavodoxin
LSL_0133	Succinyl-diaminopimelate desuccinylase
LSL_0134	NAD(P)H-dependent quinone reductase
LSL_0136	3-hydroxybutyryl-CoA dehydrogenase
LSL_0137	NADH peroxidase
LSL_0138	Ornithine decarboxylase
LSL_0139	Hypothetical protein
LSL_0142	Conserved hypothetical protein
LSL_0147	2,5-diketo-D-gluconic acid reductase
LSL_0148	Short chain dehydrogenase
LSL_0149	Hypothetical protein
LSL_0154	Pyruvate dehydrogenase E1 component beta subunit
LSL_0156	Dihydrolipoamide dehydrogenase
LSL_0157	Lipoate-protein ligase A
LSL_0159	Hypothetical protein
LSL_0174	Naphthoate synthase
LSL_0175	O-succinylbenzoic acid--CoA ligase
LSL_0183	Transcriptional regulators, LysR family

LSL_0184	Phosphatase
LSL_0185	Acetyltransferase, GNAT family
LSL_0186	Acetolactate synthase
LSL_0204	Aminotransferase class I and II
LSL_0208	Hypothetical membrane spanning protein
LSL_0209	1-deoxy-D-xylulose 5-phosphate synthase
LSL_0221	ABC transporter permease protein
LSL_0222	Transcriptional regulator, TetR family
LSL_0225	IpaB/EvcA family protein
LSL_0231	Conserved hypothetical protein
LSL_0232	aminotransferase
LSL_0236	Phage integrase
LSL_0238	Hypothetical protein, phage associated
LSL_0240	cII-like protein, phage associated
LSL_0241	Hypothetical protein, phage associated
LSL_0250	Cro-like protein, phage associated
LSL_0251	Phage antirepressor protein
LSL_0252	Hypothetical protein, phage associated
LSL_0256	Hypothetical protein, phage associated
LSL_0257	Replisome organizer, phage associated
LSL_0259	Hypothetical protein, phage associated
LSL_0266	Hypothetical protein, phage associated
LSL_0276	Hypothetical protein, phage associated
LSL_0277	DNA packaging, phage associated
LSL_0280	Phage Terminase Small Subunit
LSL_0281	Terminase large subunit
LSL_0283	Portal protein
LSL_0288	Phage head-tail joining protein
LSL_0289	Phage tail protein
LSL_0290	Phage major tail protein
LSL_0291	Hypothetical protein, phage associated
LSL_0294	phage tail tape measure
LSL_0296	Phage lysin
LSL_0299	Hypothetical protein, phage associated
LSL_0302	Hypothetical protein, phage associated
LSL_0304	Phage lysin
LSL_0309	Hypothetical membrane spanning protein
LSL_0316	Macrolide-efflux protein
LSL_0319	Ribosomal-protein-serine acetyltransferase
LSL_0320	2,5-diketo-D-gluconic acid reductase
LSL_0330	Hypothetical protein
LSL_0334	Hypothetical secreted protein
LSL_0336	Hypothetical membrane spanning protein
LSL_0351	Hypothetical secreted protein
LSL_0365	Conserved hypothetical protein
LSL_0410	Hypothetical membrane spanning protein

LSL_0427	Hypothetical protein
LSL_0431	Hypothetical protein
LSL_0476	Hypothetical protein
LSL_0482	Conserved hypothetical protein
LSL_0518	Choloylglycine hydrolase
LSL_0519	Hypothetical protein
LSL_0545	Hypothetical membrane spanning protein
LSL_0547	Hypothetical protein
LSL_0608	Arsenate reductase
LSL_0650	Lactate/malate dehydrogenase
LSL_0695	Glycosyltransferase
LSL_0698	Hypothetical membrane spanning protein
LSL_0713	Hypothetical protein
LSL_0723	Transcriptional regulator, TetR family
LSL_0725	Hypothetical ABC transporter permease protein
LSL_0740	Phage super infection exclusion
LSL_0746	Phage antirepressor
LSL_0751	Hypothetical protein, phage associated
LSL_0752	Phage helicase
LSL_0756	Phage NTP-binding protein
LSL_0758	Phage DNA polymerase
LSL_0764	Hypothetical protein, phage associated
LSL_0765	Phage integrase
LSL_0768	Hypothetical protein, phage associated
LSL_0770	Hypothetical protein, phage associated
LSL_0773	Hypothetical protein, phage associated
LSL_0775	Hypothetical protein, phage associated
LSL_0778	Hypothetical protein, phage associated
LSL_0783	Terminase large subunit
LSL_0784	Portal protein
LSL_0788	Phage head-tail joining protein
LSL_0790	Phage head-tail joining protein
LSL_0797	Phage lysin
LSL_0798	Hypothetical protein, phage associated
LSL_0799	Phage minor head protein
LSL_0803	Hypothetical protein, phage associated
LSL_0804	Hypothetical protein, phage associated
LSL_0805	Phage lysin
LSL_0807	Hypothetical protein
LSL_0808	Hypothetical protein
LSL_0828	Uracil permease
LSL_0850	Transporter, drug/metabolite exporter family
LSL_0854	Magnesium and cobalt transport protein corA
LSL_0855	Na(+)/H(+) antiporter
LSL_0869	Hypothetical membrane spanning protein
LSL_0874	Transcriptional regulator, MarR family

LSL_0879	Phosphoesterase
LSL_0880	Transporter, drug/metabolite exporter family
LSL_0883	Conserved hypothetical protein
LSL_0903	Conserved hypothetical protein
LSL_0906	Hypothetical membrane spanning protein
LSL_0917	DNA integration/recombination/inversion protein
LSL_0918	Type I restriction-modification system specificity subunit
LSL_0919	Type I restriction-modification system methylation subunit
LSL_0921	Hypothetical protein
LSL_0945	Hypothetical protein
LSL_0953	Hypothetical protein
LSL_0958	Hypothetical protein
LSL_0961	Hypothetical protein
LSL_0962	Hypothetical protein
LSL_0963	Hypothetical protein
LSL_0965	UDP-glucose 4-epimerase
LSL_0966	Acetyltransferase
LSL_0967	Hypothetical protein
LSL_0968	Hypothetical membrane spanning protein
LSL_0969	Hypothetical protein
LSL_0973	Conserved hypothetical protein
LSL_0975	Hypothetical membrane spanning protein
LSL_0977	Glycosyltransferase
LSL_0978	Glycosyltransferase
LSL_0980	UDP-glucuronate 4-epimerase
LSL_0981	Oligosaccharide translocase
LSL_0982	Glycosyltransferase
LSL_0983	Glycosyltransferase
LSL_0986	Glycosyltransferase
LSL_0987	Glycosyltransferase
LSL_0988	Glycosyltransferase
LSL_0989	Glycosyltransferase
LSL_0990	Glycosyltransferase
LSL_0991	Glycosyltransferase
LSL_0992	Acetyltransferase
LSL_0997	Chain length regulator
LSL_1003	Acetyltransferase
LSL_1008	Transcriptional regulator, AraC family
LSL_1016	Conserved hypothetical protein
LSL_1018	Cellulose synthase catalytic subunit
LSL_1020	Conserved hypothetical protein
LSL_1023	Conserved hypothetical protein
LSL_1024	Response regulator
LSL_1026	NADH dehydrogenase
LSL_1028	Farnesyl pyrophosphate synthetase
LSL_1029	Transport ATP-binding protein

LSL_1030	Transport ATP-binding protein
LSL_1033	Aspartate--ammonia ligase
LSL_1035	Rhodanese-related sulfurtransferases
LSL_1039	Hypothetical protein
LSL_1040	ADP-ribosylglycohydrolase
LSL_1057	Hypothetical membrane spanning protein
LSL_1085	Hypothetical surface protein
LSL_1086	Hypothetical membrane spanning protein
LSL_1087	Conserved hypothetical protein
LSL_1091	Single-stranded-DNA-specific exonuclease
LSL_1099	Glycerate dehydrogenase
LSL_1115	Conserved hypothetical protein
LSL_1116	iron-sulfur cluster-binding protein
LSL_1117	Cysteine-rich domain of 2-hydroxy-acid oxidase GlcF
LSL_1119	Hypothetical protein
LSL_1137	23S rRNA m(1)G 745 methyltransferase
LSL_1140	Proton/sodium-glutamate symport protein
LSL_1172	Oxidoreductase
LSL_1187	Transporter, MFS superfamily
LSL_1189	Phage integrase
LSL_1190	Hypothetical protein, phage associated
LSL_1195	Hypothetical protein, phage associated
LSL_1196	Hypothetical protein, phage associated
LSL_1197	Hypothetical protein, phage associated
LSL_1202	DNA primase
LSL_1203	Hypothetical protein, phage associated
LSL_1217	Ribosomal-protein-S18-alanine acetyltransferase
LSL_1236	Hypothetical protein
LSL_1267	Hypothetical membrane spanning protein
LSL_1275	Transcriptional regulator
LSL_1290	Glycogen phosphorylase
LSL_1293	Glucose-1-phosphate adenyltransferase catalytic subunit
LSL_1296	Conserved hypothetical protein
LSL_1315	Transcriptional regulator, MarR family
LSL_1322	Alkaline phosphatase
LSL_1325	2-oxoglutarate/malate translocator
LSL_1329	Pyridine nucleotide-disulphide oxidoreductase family protein
LSL_1334	Acetyltransferase
LSL_1335	Mucus binding protein
LSL_1336	Acetyltransferase
LSL_1372	Pyruvate oxidase
LSL_1389	Hypothetical protein
LSL_1390	Hypothetical protein
LSL_1391	Hypothetical protein
LSL_1394	Hypothetical protein
LSL_1396	Hypothetical protein

LSL_1397	Dehydrogenase
LSL_1401	Conserved hypothetical protein
LSL_1442	Amino acid permease
LSL_1445	Glutamine-binding protein
LSL_1447	Conserved hypothetical protein
LSL_1462	Na ⁺ driven multidrug efflux pump
LSL_1467	Succinyl-diaminopimelate desuccinylase
LSL_1483	Hypothetical membrane spanning protein
LSL_1493	Hypothetical membrane spanning protein
LSL_1502	Putative phosphatase
LSL_1504	FMN reductase
LSL_1513	Trehalose operon transcriptional repressor
LSL_1523	Hypothetical membrane spanning protein
LSL_1524	Glycosyltransferase
LSL_1527	O-acetyl transferase
LSL_1529	Hypothetical membrane spanning protein
LSL_1536	Hypothetical membrane spanning protein
LSL_1542	Amino acid permease
LSL_1543	Conserved hypothetical protein
LSL_1544	Multidrug resistance efflux pump
LSL_1555	Polysaccharide biosynthesis protein
LSL_1558	Capsular polysaccharide synthesis protein
LSL_1559	Glycosyltransferase
LSL_1561	Glycosyltransferase
LSL_1564	DNA helicase
LSL_1573	Glycosyltransferase
LSL_1578	Multidrug resistance protein B
LSL_1581	Transcriptional regulator, MerR family
LSL_1615	Hypothetical protein
LSL_1616	ABC transporter, ATP-binding protein
LSL_1619	PTS system, mannitol-specific IIA component
LSL_1628	Transcription regulator
LSL_1629	Na ⁺ /H ⁺ antiporter
LSL_1644	Branched-chain amino acid transport protein
LSL_1648	Phage integrase
LSL_1650	Antirepressor
LSL_1651	Hypothetical protein, phage associated
LSL_1653	Hypothetical protein, phage associated
LSL_1656	Hypothetical protein, phage associated
LSL_1657	Hypothetical protein, phage associated
LSL_1658	DNA primase
LSL_1661	Hypothetical protein, phage associated
LSL_1665	Hypothetical protein, phage associated
LSL_1667	Transcriptional regulator, TetR family
LSL_1668	Hypothetical membrane spanning protein
LSL_1670	D-alanine aminotransferase

LSL_1672	Hypothetical membrane spanning protein
LSL_1674	Agmatine deiminase
LSL_1677	Transcriptional regulator, TetR family
LSL_1680	Glyoxalase family protein
LSL_1681	2,5-diketo-D-gluconic acid reductase
LSL_1686	Thioredoxin peroxidase
LSL_1688	Transcriptional regulator, TetR family
LSL_1709	ThiJ/PfpI family protein
LSL_1711	Transcriptional regulator, LacI family
LSL_1714	PTS system, mannose-specific IID component
LSL_1715	PTS system, mannose-specific IIC component
LSL_1716	PTS system, mannose-specific IIAB component
LSL_1719	Conserved hypothetical protein
LSL_1720	Hypothetical membrane spanning protein
LSL_1738	LSU ribosomal protein L34P
