

Table S4. Unique genes of LMO referred to L Ivanovii 1638

ORF_id	Sequence_id	Group_id	start	end	strand	COG_id	COG_annotation	VFB0_annotation	Uniprot_annotation
orf_22	CP034771.1	group_1724	23762	24055	-	COG0360	J/Ribosomal protein S6;RpsL;Ribosome S05 subunit		S05 ribosomal protein S6;O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_24	CP034771.1	group_1801	25646	26305	-	COG0586	M:Membrane integrity protein DedA, putative transporter, DedA71		Protein DedA O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_25	CP034771.1	group_2402	26407	27186	-	COG1737	K:DNA-binding transcriptional regulator, MurR/Rpf family, contain-		Uncharacterized HTH-type transcriptional regulator H_0143 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_26	CP034771.1	group_2402	26407	27186	-	COG2957	E:Agmatine deiminase;AdeA;AgmA		Putative agmatine deiminase 2 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_27	CP034771.1	group_2391	28417	29361	-	COG0549	E:Carbamate kinase;AraC		Carbamate kinase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_28	CP034771.1	group_143	29371	30465	-	COG2957	E:Agmatine deiminase;AdeA;AgmA		Putative agmatine deiminase 1 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_29	CP034771.1	group_2397	30462	31835	-	COG0531	E:Serine transporter YbcC, amino acid:H+symporter family;PotE;		Probable agmatine deiminase 1 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_70	CP034771.1	group_2663	75489	75732	-	-	-	-	Internalin I O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_85	CP034771.1	group_2071	98192	98545	-	-	-	-	Internalin I O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_86	CP034771.1	group_2231	98648	99070	-	COG1846	K:DNA-binding transcriptional regulator, MarR family;MarR;		HTH-type transcriptional regulator Mhkr O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_93	CP034771.1	group_2663	107156	109816	-	-	-	-	Pesticidal crystal protein Cz22A O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_116	CP034771.1	group_1897	19943	20838	-	COG4481	S:Uncharacterized conserved protein, DUF951 family		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_131	CP034771.1	group_2113	143822	144634	-	COG1455	G:Phosphotransferase system cellobiose-specific component III;Ce-		PTS system N-VN-acetylglucosamine-specific EIIC component O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_134	CP034771.1	group_2441	146703	146813	-	-	-	-	Catabolite control protein B O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_157	CP034771.1	group_3124	174795	175751	-	COG1609	K:DNA-binding transcriptional regulator, LacI/Pur family;PurR;		Catabolite control protein B O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_184	CP034771.1	group_3706	198731	199204	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_185	CP034771.1	group_2058	199355	199519	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_197	CP034771.1	group_284	208364	210631	-	-	-	-	Alpha-xylosidase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_202	CP034771.1	group_2663	214067	214507	-	COG4094	V:8-nor-GDP pyrophosphatase MutT and related house cleaning f-		Alpha-xylosidase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_241	CP034771.1	group_1876	255066	256709	-	COG0772	D:Peptidoglycan polymerase FtsW/RodA/SpoVE;FtsW;		Peptidoglycan glycosyltransferase RodA O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_257	CP034771.1	group_2384	271553	271921	-	-	-	-	Peptidoglycan glycosyltransferase RodA O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_301	CP034771.1	group_1642	316258	317337	-	COG1477	HO:FAD protein FMN transferase ApeA/ApeJ;		FAD protein FMN transferase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_344	CP034771.1	group_3446	344009	344671	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_345	CP034771.1	group_2131	345077	346603	-	COG1705	MN:Flagellum-specific peptidoglycan hydrolyase FliJ;FliJ;		Protein Ami O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_346	CP034771.1	group_2140	347011	348039	-	COG0489	D:Fe-S cluster carrier ATPase, Msp/Abp/CNP35 family;Msp;		Iron-sulfur cluster carrier protein O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_347	CP034771.1	group_2370	348480	349781	-	COG4886	K:Leucine-rich repeat (LRR) protein;LRR;		Internalin C O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_348	CP034771.1	group_2370	350212	351102	-	COG4886	K:Leucine-rich repeat (LRR) protein;LRR;		Internalin C O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_349	CP034771.1	group_3529	351503	351775	-	-	-	-	Internalin C O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_356	CP034771.1	group_3506	360032	360385	-	-	-	-	Uncharacterized HTH-type transcriptional regulator Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_382	CP034771.1	group_1599	364892	365158	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_388	CP034771.1	group_2117	369953	370037	-	COG1917	R:Cupin domain protein related to quercetin dioxygenase;Qdo;		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_389	CP034771.1	group_3532	390384	390707	-	COG0599	R:Uncharacterized conserved protein Y06, alkylglycerolphosphate/c-		4-carboxymuonolactone decarboxylase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_390	CP034771.1	group_3482	390734	391903	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_475	CP034771.1	group_2240	479464	479799	-	COG2609	S:Uncharacterized membrane protein Y06, DUF938 family;Y06		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_495	CP034771.1	group_62	501116	504391	-	COG1501	G:Alpha-glucosidase/xylosidase, GH31 family;Y06;		1,3-alpha-D-glucosyltransferase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_496	CP034771.1	group_2313	504450	505394	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_497	CP034771.1	group_305	505407	507026	-	COG1501	G:Alpha-glucosidase/xylosidase, GH31 family;Y06;		1,3-alpha-D-glucosyltransferase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_498	CP034771.1	group_305	507036	509333	-	COG1501	G:Alpha-glucosidase/xylosidase, GH31 family;Y06;		1,3-alpha-D-glucosyltransferase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_509	CP034771.1	group_2164	517802	517966	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_534	CP034771.1	group_1805	539718	540083	-	COG4272	S:Uncharacterized membrane protein		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_544	CP034771.1	group_1693	547103	547336	-	COG4844	S:Uncharacterized conserved protein Y06, UPO349 family;Y06		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_549	CP034771.1	group_2586	551841	552170	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_582	CP034771.1	group_2035	587994	589598	-	COG1574	R:Predicted amidohydrolase Y06;Y06		Putative amidohydrolase Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_599	CP034771.1	group_1812	610541	611443	-	COG1284	S:Uncharacterized membrane-anchored protein Y06, contains DUF-		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_603	CP034771.1	group_1845	613688	614563	-	COG2133	R:Predicted N-acetyltransferase, GNAT family;Y06;		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_606	CP034771.1	group_1809	615744	616265	-	COG0693	V:Protein/fructosyltransferase, Fplg/Y06;Y06;Y06;Y06;Y06;		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_609	CP034771.1	group_2145	618149	618778	-	COG0637	G:Beta-phosphoglucomutase, HAD superfamily;Y06;Y06;		Putative phosphatase Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_622	CP034771.1	group_2185	629307	629861	-	COG2169	L:Methylphosphotriester-DNA superfamily methyltransferase-		Bifunctional transcriptional activator/DNA repair enzyme AdaA O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_664	CP034771.1	group_1694	672963	673958	-	COG0180	J:Tryptophanyl-tRNA synthetase;TrpS;Aminoacyl-tRNA synthetases		Tryptophanyl-tRNA ligase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_692	CP034771.1	group_2242	715119	715777	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_712	CP034771.1	group_1797	730285	730926	-	COG4330	S:Uncharacterized membrane protein, DUF1361 domain		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_724	CP034771.1	group_2146	741993	742547	-	COG0911	G:Fructosyltransferase/biosynthetic aldolase;FbaG;Glycosyl-		D-tagatose-1,6-bisphosphate aldolase subunit GafY O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_734	CP034771.1	group_2535	776707	777282	-	COG1136	M:ABC-type lipoprotein export system, permease component;L0D;		Uncharacterized ABC transporter ATP-binding protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_748	CP034771.1	group_2093	789162	791449	-	COG1762	G:Phosphotransferase system mannose-6-phosphate-specific;IIA;dom-		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_771	CP034771.1	group_2079	793125	794057	-	COG1105	G:1-phosphofructokinase or 6-phosphofructokinase;IIIFruK;		Tagatose-6-phosphate kinase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_778	CP034771.1	group_3562	800654	801178	-	COG3177	K:Fc protein;Kfc		Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_811	CP034771.1	group_2349	831733	833637	-	COG2015	Q:Alkyl sulfate BDS1 and related hydrolases, metallo-beta-lactam-		Linear primary alkylsulfatase O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_812	CP034771.1	group_2586	833891	834106	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_901	CP034771.1	group_3491	931669	933315	-	-	-	-	Uncharacterized protein Y06 O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_906	CP034771.1	group_1760	937523	938410	-	COG1131	V:ABC-type multidrug transport system, ATPase component;CcmA;-		Multidrug efflux system ATP-binding protein Rv1218c O-Salmonella wellnessii serovar 6b (strain ATCC 35897 / DSM 20650 / JCM 8149 / NCTC 11857 / SLCC 5334 / V8) OX-386043 GN-rpsL PE-3 SV-1
orf_978	CP034771.1	group_3705	1009807	1009840	-	COG4912	L:3-methyl		

orf_2492	CP034771.1	group_177	2554919	2555203	-	-	-
orf_2507	CP034771.1	group_2878	2574558	2578127	-	-	-
orf_2510	CP034771.1	group_3722	2584590	2586137	-	-	-
orf_2512	CP034771.1	group_3645	2587057	2587779	-	-	-
orf_2528	CP034771.1	group_2557	2600643	2600786	-	-	-
orf_2534	CP034771.1	group_178	2605417	2605518	-	-	-
orf_2535	CP034771.1	group_178	2605557	2605658	-	-	-
orf_2539	CP034771.1	group_3397	2608282	2608794	-	-	-
orf_2540	CP034771.1	group_3417	2608791	2610098	-	-	-
orf_2542	CP034771.1	group_2499	2611062	2611565	-	-	-
orf_2543	CP034771.1	group_3650	2611555	2612406	-	-	-
orf_2544	CP034771.1	group_3568	2612420	2613262	-	-	-
orf_2552	CP034771.1	group_3731	2618392	2619507	-	-	-
orf_2557	CP034771.1	group_141	2625040	2625243	-	-	-
orf_2579	CP034771.1	group_3668	2644996	2645181	-	-	-
orf_2593	CP034771.1	group_3604	2652326	2652451	-	-	-
orf_2632	CP034771.1	group_2468	2699165	2700607	-	-	-
orf_2634	CP034771.1	group_2469	2702320	2703150	-	-	-
orf_2635	CP034771.1	group_2467	2703152	2704489	-	-	-
orf_2636	CP034771.1	group_2462	2704507	2705733	-	-	-
orf_2637	CP034771.1	group_2466	2705871	2706866	-	-	-
orf_2689	CP034771.1	group_3042	2766242	2766916	-	-	-
orf_2691	CP034771.1	group_3438	2767360	2768154	-	-	-
orf_2694	CP034771.1	group_3603	2769642	2772566	-	-	-
orf_2705	CP034771.1	group_1679	2784650	2785336	-	-	-
orf_2706	CP034771.1	group_1554	2785495	2786313	-	-	-
orf_2707	CP034771.1	group_846	2786481	2787218	-	-	-
orf_2715	CP034771.1	group_284	2794229	2796520	-	-	-
orf_2716	CP034771.1	group_62	2796521	2799825	-	-	-
orf_2717	CP034771.1	group_1980	2799920	2801176	-	-	-
orf_2719	CP034771.1	group_147	2802052	2802930	-	-	-
orf_2720	CP034771.1	group_227	2802397	2804181	-	-	-
orf_2726	CP034771.1	group_3118	2818085	2819703	-	-	-
orf_2738	CP034771.1	group_3105	2821381	2822160	-	-	-
orf_2748	CP034771.1	group_156	2833038	2833637	-	-	-
orf_2773	CP034771.1	group_2575	2858082	2858369	-	-	-
orf_2775	CP034771.1	group_3712	2859861	2861261	-	-	-
orf_2776	CP034771.1	group_2329	2861401	2862393	-	-	-
orf_2788	CP034771.1	group_3566	2872695	2873387	-	-	-
orf_2796	CP034771.1	group_2370	2882291	2883893	-	-	-
orf_2799	CP034771.1	group_3390	2886378	2886899	-	-	-
orf_2803	CP034771.1	group_2179	2890010	2890783	-	-	-
					COG4886	K/Leucine-rich repeat (LRR) protein;LRR;	-
					COG1028	i,NAD(P) dependent dehydrogenase, short-chain alcohol dehydrog	-
					COG1215	N-Glycosyltransferase, catalytic subunit of cellulose synthase and p	-
					COG1595	K/DNA-directed RNA polymerase specialized sigma subunit; sigma2-	-
					COG4292	Slow temperature requirement protein tsaA (function unknown);t-	-
					COG1476	K/DNA-binding transcriptional regulator, XRE-family HTH domain;X[cy]R2] cytolysin regulator R2 (Yctylin [VF0356]) - Exotoxin (VFC0235)	-
					COG3866	G-Glycosidase/amylose (phosphorylase)/AmyA;	-
					COG3833	G-ABC-type maltose transport system, permease component MalG-	-
					COG1175	G-ABC-type sugar transport system, permease componentUggA-	-
					COG2182	G/Maltose-binding periplasmic protein MalE;MalE;	-
					COG1609	K/DNA-binding transcriptional regulator, Lac/PurR family;PurR;	-
					COG845	MV-Multidrug efflux pump subunit AcrA (membrane-fusion protein-	-
					COG5003	F-Adenine/guanine phosphoribosyltransferase or related PRPP-bio-	-
					COG3394	G-Chitooligosaccharide deacetylase ChbB; YdC/CelG family;ChbG;	-
					COG1501	G-Alpha-glucosidase/xylosidase, GH31 family;YicI;	-
					COG1501	G-Alpha-glucosidase/xylosidase, GH32 family;YicI;	-
					COG1653	G-ABC-type glycerol-3-phosphate transport system, periplasmic con-	-
					COG1175	G-ABC-type sugar transport system, permease componentUggA-	-
					COG1940	GK_Sugar kinase of the NBD/HSP70 family, may contain an N-termi-	-
					COG2362	E-D-aminopeptidase;DppA;	-
					COG2367	V.Beta-lactamase class A;PenP;	-
					COG640	K/DNA-binding transcriptional regulator, AnrS family;AnrS;	-
					COG2190	F-Phosphotransferase system Iik componentHagE;	-
					COG0235	EG-5-methylthioribulose/5-deoxyribulose/Fuculose 1-phosphate al-	-
					COG4886	K/Leucine-rich repeat (LRR) protein;LRR;	-
					COG2513	G2-Methylisocitrate lyase and related enzymes, PEP mutase family;	-
						Internalin A OS-Listeria monocytogenes serovar 1/2a (strain ATCC BAA-679 / EGD-e) OX=169963 GN=HiA PE=1 SV=1	-
						Internalin H OS-Listeria monocytogenes serovar 1/2a (strain ATCC BAA-679 / EGD-e) OX=169963 GN=HiH PE=1 SV=1	-
						Short chain dehydrogenase andC OS-Emericella varicolor OX=1549217 GN=andC PE=3 SV=1	-
						Poly-beta-1,6-N-acetyl-D-glucosamine synthase OS=Escherichia coli (strain K12) OX=83333 GN=pggC PE=1 SV=1	-
						RNA polymerase sigma factor sigV OS=Bacillus subtilis (strain 168) OX=224308 GN=sigV PE=1 SV=1	-
						Anti-sigma-V factor RsiV OS=Bacillus subtilis (strain 168) OX=224308 GN=rsv PE=1 SV=1	-
						Putative polysaccharide deacetylase YheN OS=Bacillus subtilis (strain 168) OX=224308 GN=yheN PE=3 SV=1	-
						Uncharacterized protein RA0937 OS=Rhizobium meliloti (strain 1021) OX=266834 GN=RA0937 PE=4 SV=2	-
						Uncharacterized HTH-type transcriptional regulator MJD272 OS=Methanocaldococcus jamaaschii (strain ATCC 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) OX=243232 GN=MJD272 PE=4 SV=2	-
						Sucrose phosphorylase OS=Streptococcus mutans serotype c (strain ATCC 700610 / UA159) OX=510007 GN=sphA PE=1 SV=4	-
						Galactooligosaccharides transport system permease protein GanQ OS=Bacillus subtilis (strain 168) OX=224308 GN=ganQ PE=1 SV=1	-
						Galactooligosaccharides transport system permease protein GanP OS=Bacillus subtilis (strain 168) OX=224308 GN=ganP PE=1 SV=1	-
						Galactooligosaccharide-binding protein OS=Bacillus subtilis (strain 168) OX=224308 GN=gabS PE=1 SV=1	-
						NTD biosynthesis operon regulator NtrR OS=Bacillus subtilis (strain 168) OX=224308 GN=ntrR PE=4 SV=1	-
						Uncharacterized protein Linc0241 OS=Listeria innocua serovar 6a (strain ATCC BAA-608 / CUP 11262) OX=272626 GN=linc0241 PE=4 SV=1	-
						Uncharacterized protein MIO912 OS=Methanocaldococcus jamaaschii (strain ATCC 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) OX=243232 GN=MIO912 PE=4 SV=1	-
						Pur operon repressor OS=Bacillus subtilis (strain 168) OX=224308 GN=purR PE=1 SV=1	-
						Carbohydrate deacetylase OS=Listeria welshimeri serovar 6b (strain ATCC 35897 / DSM 20650 / CIP 8149 / NCTC 11857 / SLCC 5334 / V8) OX=386043 GN=hw0160 PE=3 SV=1	-
						Alpha-glucosidase 2 OS=Bacillus thermoamyloquelaceus OX=1425 PE=3 SV=1	-
						1,3-alpha-ismaltosidase OS=Klebsiella fauvis (strain DSM 17826 / JCM 10339 / NBRC 14339) OX=479435 GN=ikfA_1895 PE=1 SV=1	-
						Putative binding protein BRAD748/BS130_10741 OS=Bruceella suis biovar 1 (strain 1330) OX=204722 GN=BRAD748 PE=3 SV=1	-
						Probable ABC transporter permease protein YeeP OS=Bacillus subtilis (strain 168) OX=224308 GN=yeeP PE=3 SV=1	-
						Xylose repressor OS=Caldicellulosiruptor beszi (strain ATCC BAA-1888 / DSM 6725 / Z-1320) OX=521460 GN=xyrR PE=3 SV=1	-
						D-aminopeptidase OS=Bacillus subtilis (strain 168) OX=224308 GN=dppA PE=1 SV=3	-
						Uncharacterized HTH-type transcriptional regulator YcG OS=Bacillus subtilis (strain 168) OX=224308 GN=ycG PE=4 SV=1	-
						PTS system beta-glucoside-specific EIBC/A component OS=Bacillus subtilis (strain 168) OX=224308 GN=hgp PE=3 SV=2	-
						Regulatory protein Pocr OS=Salmonella typhimurium (strain LT2 / S55C1412 / ATCC 700720) OX=99287 GN=pocr PE=1 SV=2	-
						L-fuculose phosphate aldolase OS=Methanococcus marpaludis (strain C7 / ATCC BAA-1331) OX=426368 GN=fucA PE=3 SV=1	-
						Internalin C OS-Listeria monocytogenes serotype 1/2a (strain EGD / Mackness) OX=1334565 GN=incC PE=1 SV=1	-
						Uncharacterized protein Rv1998c OS=Mycobacterium tuberculosis (strain ATCC 25618 / H37Rv) OX=83332 GN=Rv1998c PE=1 SV=1	-