

Salmonella was labeled or not (as the control) with the aminoxy probe, and then lysated. The proteins from the lysate were isolated by NeutrAvidin beads for mass spectrometric analysis.

Column Name	Comments								
ID	Protein ID in UNIPROT database								
GeneName	Gene name in UNIPROT database								
Description	Protein name in UNIPROT database								
iBAQ	iBAQ value of identified proteins in all samples								
Con1	iBAQ value of identified proteins in control sample, technical repeat 1								
Con2	iBAQ value of identified proteins in control sample, technical repeat 2								
Con3	iBAQ value of identified proteins in control sample, technical repeat 3								
Lab1	iBAQ value of identified proteins in labeled sample, technical repeat 1								
Lab2	iBAQ value of identified proteins in labeled sample, technical repeat 2								
Lab3	iBAQ value of identified proteins in labeled sample, technical repeat 3								
ID	GeneName	Description	iBAQ	Con1	Con2	Con3	Lab1	Lab2	Lab3
6PGD SALTY	gnd	6-phosphogluconate dehydrogenase, decarboxylating	1812100				651580	691940	468570
6PGL SALTY	pgl	6-phosphogluconolactonase	2932900	2978.9		2471	637530	1022200	1267700
AAS SALTY	aas	Bifunctional protein Aas	451790				117750	86401	247630
AAT SALTY	aspC	Aspartate aminotransferase	12210000	13877	2991.3	13778	4775200	3678100	3726300
ABDH SALTY	prr	Gamma-aminobutyraldehyde dehydrogenase	10567000				3682900	2882000	4001900
ACEA SALTY	aceA	Isocitrate lyase	3714500				1305500	1428100	980880
ACKA SALTY	ackA	Acetate kinase	9594000				2441800	2415400	4736800
ACNA SALTY	acnA	Aconitate hydratase A	13973000	14088	8358.2	9802.4	5323900	4442200	4174600
ACNB SALTY	acnB	Aconitate hydratase B	12824000	10871	7580.6	14045	4509700	4261000	4020800
ACP SALTY	acpP	Acyl carrier protein	22766000	236090	195810	211940	10273000	5274800	6574000
ACSA SALTY	acs	Acetyl-coenzyme A synthetase	8561400			31796	2529400	2467600	3532700
ADD SALTY	add	Adenosine deaminase	249070				84139	81289	83644
AGP SALTY	agp	Glucose-1-phosphatase	925840				307480	320310	298050
AHPC SALTY	ahpC	Alkyl hydroperoxide reductase C	2921200				1231700	913400	776100
AHPF SALTY	ahpF	Alkyl hydroperoxide reductase subunit F	654210	91635	111780		109300	130770	210720
ALR2 SALTY	dadX	Alanine racemase, catabolic	369770				77867	168810	123090
AMPA SALTY	pepA	Probable cytosol aminopeptidase	8382700				3729000	2213600	2440100
APBE SALTY	apbE	FAD:protein FMN transferase	100110				36372	27316	36418
ARCA SALTY	arcA	Arginine deiminase	1987900				782860	407840	797240
ARNA SALTY	arnA	Bifunctional polymyxin resistance protein ArnA	4364300			1748.4	1673000	997440	1692100
ARNB SALTY	arnB	UDP-4-amino-4-deoxy-L-arabinose--oxoglutarate aminotransf	4424100				1713300	1159600	1551100
ARNC SALTY	arnC	Undecaprenyl-phosphate 4-deoxy-4-formamido-L-arabinose tr	10701000	9907.5			4342800	3980500	2367400

ARNT SALTY	arnT	Undecaprenyl phosphate-alpha-4-amino-4-deoxy-L-arabinose	106450	71441	35005				
ARO A SALTY	aroA	3-phosphoshikimate 1-carboxyvinyltransferase	403600	31310		2700.5	125310	90261	154020
ARO B SALTY	aroB	3-dehydroquinate synthase	4172000			335280	1259000	663190	1914600
ASTA SALTY	astA	Arginine N-succinyltransferase	149120		59398	89717			
ASTD SALTY	astD	N-succinylglutamate 5-semialdehyde dehydrogenase	711700				278870	239320	193510
ATP6 SALTY	atpB	ATP synthase subunit a	6927600				4918900	2008700	
ATP A SALTY	atpA	ATP synthase subunit alpha	25651000	123010	79289	106450	8827900	7771800	8742500
ATP B SALTY	atpD	ATP synthase subunit beta	13227000		2674.6		4363500	4551000	4309900
ATP F SALTY	atpF	ATP synthase subunit b	1444400				444650	597550	402190
ATP G SALTY	atpG	ATP synthase gamma chain	1335500				153810	527660	654030
ATP L SALTY	atpE	ATP synthase subunit c	90294000	1158500		1186800	27615000	26924000	33410000
BAMA SALTY	bamA	Outer membrane protein assembly factor BamA	1743700				619740	518560	605360
BAMB SALTY	bamB	Outer membrane protein assembly factor BamB	1511500				381480	494730	635270
BAME SALTY	bamE	Outer membrane protein assembly factor BamE	1735400				984100	455090	296250
BASR SALTY	basR	Transcriptional regulatory protein BasR	13659000				3681400	1431400	8546200
BCSB SALTY	bcsB	Cyclic di-GMP-binding protein	377250				120010	154930	102310
BCSE SALTY	bcsE	Cyclic di-GMP binding protein BcsE	87150				22888	33957	30305
BFR SALTY	bfr	Bacterioferritin	22923000				8344900	6060100	8518100
BGLX SALTY	bglX	Periplasmic beta-glucosidase							
BIRA SALTY	birA	Bifunctional ligase/repressor BirA	2727900	771410	1100800	855710			
BTUR SALTY	btuR	Cob(D)yrinic acid a,c-diamide adenosyltransferase	248060				58156	97188	92716
C562 SALTY	cybC	Soluble cytochrome b562	3146800				1513000	749090	884780
CAPP SALTY	ppc	Phosphoenolpyruvate carboxylase	7294100	2384.6	2614.8		2516500	2621100	2151500
CBIF SALTY	cbiF	Cobalt-precorrin-4 C(11)-methyltransferase	1650500				774410	363470	512660
CBIH SALTY	cbiH	Probable cobalt-factor III C(17)-methyltransferase	736610				243590	235270	257760
CBIL SALTY	cbiL	Cobalt-precorrin-2 C(20)-methyltransferase	943730				417350	260460	265930
CBPA SALTY	cbpA	Curved DNA-binding protein	645860				175540	229230	241080
CCA SALTY	cca	Multifunctional CCA protein	662680				307260	156590	198830
CDH SALTY	cdh	CDP-diacylglycerol pyrophosphatase	6886600		17763	19821	2622400	1864800	2361900
CH10 SALTY	groS	10 kDa chaperonin	70287000	1222200	632180	716500	37312000	15161000	15242000
CH60 SALTY	groL	60 kDa chaperonin	27033000	403220	516810	775570	7945500	8079600	9312100
CHEA SALTY	cheA	Chemotaxis protein CheA	2912000				1103800	747660	1060500
CHER SALTY	cheR	Chemotaxis protein methyltransferase	76440				30795	18750	26895
CHEW SALTY	cheW	Chemotaxis protein CheW	36651000	266140	252580	133470	12025000	14094000	9880100
CISY SALTY	gltA	Citrate synthase	114140000	201830	149270	488260	31275000	40686000	41345000
CLPB SALTY	clpB	Chaperone protein ClpB	8353800		14552		2963300	2804900	2571100
CLPP SALTY	clpP	ATP-dependent Clp protease proteolytic subunit	4116900			364140	493690	2635400	623690
CLPX SALTY	clpX	ATP-dependent Clp protease ATP-binding subunit ClpX	407200				150030	94017	163150
CLSA SALTY	clsA	Cardiolipin synthase A	212540				73672	46681	92189

CMOB SALTY		tRNA U34 carboxymethyltransferase	512570				347720	88198	76649
CORA SALTY	corA	Magnesium transport protein CorA	1741900				1301200	334550	106190
CPDB SALTY	cpdB	2',3'-cyclic-nucleotide 2'-phosphodiesterase/3'-nucleotidase	308180	63278	58149	55215	68370	34737	28432
CPTA SALTY	cptA	Phosphoethanolamine transferase CptA	273960				54580	69767	149610
CRA SALTY	cra	Catabolite repressor/activator	2827000				1143600	874350	809010
CRP SALTY	crp	cAMP-activated global transcriptional regulator CRP	10000000	25340	10848	8452	3586400	3202200	3166800
CSID SALTY	csiD	Protein CsiD	621220				231990	163530	225710
CSPC SALTY	cspC	Cold shock-like protein CspC	826690				452910		373790
CSRA SALTY	csrA	Translational regulator CsrA	3562900				1232500	1331700	998660
CUEO SALTY	cueO	Blue copper oxidase CueO	286280				90647	81469	114170
CYSB SALTY	cysB	HTH-type transcriptional regulator CysB	322750				167550	61743	93458
CYSE SALTY	cysE	Serine acetyltransferase	4224000	9595.3			1717100	1018900	1478300
CYSG SALTY	cysG	Siroheme synthase	2257200				743590	771410	742180
CYSI SALTY	cysI	Sulfite reductase [NADPH] hemoprotein beta-component	63049				28142	17172	17735
CYSK SALTY	cysK	Cysteine synthase A	3688300				1577700	914700	1195900
CYSQ SALTY	cysQ	3'(2'),5'-bisphosphate nucleotidase CysQ	830210				309370	333990	186850
DADA SALTY	dadA	D-amino acid dehydrogenase	13209000	40921			3860900	3541000	5766100
DAPA SALTY	dapA	4-hydroxy-tetrahydrodipicolinate synthase	10843000				3444900	2677500	4720100
DAPB SALTY	dapB	4-hydroxy-tetrahydrodipicolinate reductase	553580				102530	225140	225910
DAPD SALTY	dapD	2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-succinyltransferase	5897200	67251	74917	70205	1934200	1829200	1921500
DBHA SALTY	hupA	DNA-binding protein HU-alpha	26888000	1047400	898770	2290600	8685900	3056000	10909000
DBHB SALTY	hupB	DNA-binding protein HU-beta	1042900				366160	404340	272380
DCD SALTY	dcd	dCTP deaminase	976400	10201	43286	9002	300160	307370	306380
DCOA SALTY	oadA2	Oxaloacetate decarboxylase alpha chain	67194000	28722000	23280000	15113000	67748		10826
DCP SALTY	dcp	Dipeptidyl carboxypeptidase	938400				168910	121830	647660
DCTA SALTY	dctA	Aerobic C4-dicarboxylate transport protein	766020				551020	123290	91717
DDLA SALTY	ddlA	D-alanine--D-alanine ligase A	87545				28050	32344	27151
DEF SALTY	def	Peptide deformylase	5940900				2483600	1209500	2247800
DEGP SALTY	degP	Periplasmic serine endoprotease DegP	51301				14359	18229	18714
DEOB SALTY	deoB	Phosphopentomutase	5026600		15516	8190	1941000	1628900	1432900
DEOC SALTY	deoC	Deoxyribose-phosphate aldolase	1076400				214490	163310	698620
DEOD SALTY	deoD	Purine nucleoside phosphorylase DeoD-type	24855000	136620	104180	54548	4238800	9332900	10988000
DER SALTY	der	GTPase Der	5429100				1759800	1938300	1731000
DGAE SALTY	dgaE	D-glucosamine-6-phosphate ammonia lyase	417840	148550	223800		22468	23028	
DGTP SALTY	dgt	Deoxyguanosinetriphosphate triphosphohydrolase	803810				251880	276090	275840
DHAS SALTY	asd	Aspartate-semialdehyde dehydrogenase	2012200				194420	397780	1420000
DHE4 SALTY	gdhA	NADP-specific glutamate dehydrogenase	411070				161390	105940	143730
DHSC SALTY	sdhC	Succinate dehydrogenase cytochrome b556 subunit	51586000	275990	412630	314600	17704000	11850000	21029000
DJLA SALTY	djlA	Co-chaperone protein DjLA	153880				104910	48975	

DKGA SALTY	dkgA	2,5-diketo-D-gluconic acid reductase A	1177200	8601.8			13389	424510	347550	383140
DKSA SALTY	dksA	RNA polymerase-binding transcription factor DksA	1297200					330650	437420	529140
DLHH SALTY	ysgA	Putative carboxymethylenebutenolidase	480060					163570	157710	158780
DNAA SALTY	dnaA	Chromosomal replication initiator protein DnaA	119980					45099	32969	41911
DNAJ SALTY	dnaJ	Chaperone protein DnaJ	1091700			70304	47756	368020	341750	263890
DNAK SALTY	dnaK	Chaperone protein DnaK	5261100	6119.6	72786	11941		1746800	1078500	2344900
DNLJ SALTY	ligA	DNA ligase	1927800					845520	483180	599140
DPO1 SALTY	polA	DNA polymerase I	3156500	2733.3		4184.6		912080	1034700	1202800
DPO3B SALTY	dnaN	Beta sliding clamp	1439300	9648.7	11981			523430	467160	427120
DPS SALTY	dps	DNA protection during starvation protein	24878000	76654		29420		10750000	6964800	7057300
DSBA SALTY	dsbA	Thiol:disulfide interchange protein DsbA	392340					152310	125060	114970
DTNK SALTY	dtnK	D-threonate kinase	533240	117130	210110	181690			8861.4	15448
DXS SALTY	dxs	1-deoxy-D-xylulose-5-phosphate synthase	1641000					409520	420290	811230
E4PD SALTY	epd	D-erythrose-4-phosphate dehydrogenase	505010					171200	113910	219900
EFG SALTY	fusA	Elongation factor G	39994000	681790	296710	581800		13093000	12156000	13185000
EFP SALTY	efp	Elongation factor P	323410					122480	100580	100350
EFTS SALTY	tsf	Elongation factor Ts	9000200	311750	247490	139300		3072000	2650900	2578700
EFTU SALTY	tufB	Elongation factor Tu	262950000	5484100	5366100	5222100		106790000	63515000	76578000
ENGB SALTY	engB	Probable GTP-binding protein EngB	155750					32097	83581	40073
ENO SALTY	eno	Enolase	9978900				25306	3159300	3603700	3190600
ERA SALTY	era	GTPase Era	1241000					388710	292520	559810
EUTB SALTY	eutB	Ethanolamine ammonia-lyase heavy chain	755920					342140	249410	164370
EUTQ SALTY	eutQ	Ethanolamine utilization protein EutQ	117560	26218			91338			
EX3 SALTY	xthA	Exodeoxyribonuclease III	195520					44878	71953	78692
EX7L SALTY	xseA	Exodeoxyribonuclease 7 large subunit	287400			1582.2		247690	22780	15353
F16PA SALTY	fbp	Fructose-1,6-bisphosphatase class 1	27313000	97115	54276	78244		9691900	8272700	9118500
FABA SALTY	fabA	3-hydroxydecanoyl-[acyl-carrier-protein] dehydratase	41205000	284610	306720	314210		14343000	13013000	12944000
FABD SALTY	fabD	Malonyl CoA-acyl carrier protein transacylase	680740					336630	266730	77385
FABG SALTY	fabG	3-oxoacyl-[acyl-carrier-protein] reductase FabG	1642500					463840	617230	561430
FABI SALTY	fabI	Enoyl-[acyl-carrier-protein] reductase [NADH] FabI	9695300	30433	85729	37052		3107300	3023200	3411600
FABZ SALTY	fabZ	3-hydroxyacyl-[acyl-carrier-protein] dehydratase FabZ	11028000	151670	83534			1860300	4002200	4930100
FADA SALTY	fadA	3-ketoacyl-CoA thiolase	26351					7921.1	6453	11977
FADB SALTY	fadB	Fatty acid oxidation complex subunit alpha	2157300					828220	589610	739490
FADE SALTY	fadE	Acyl-coenzyme A dehydrogenase	663880	258040		6919.5		43832	147000	208090
FADI SALTY	fadI	3-ketoacyl-CoA thiolase								
FADJ SALTY	fadJ	Fatty acid oxidation complex subunit alpha	663070					289210	91994	281860
FADL SALTY	fadL	Long-chain fatty acid transport protein	1211600					178760	357230	675570
FDHE SALTY	fdhE	Protein FdhE	286160					86963	118270	80927
FIMW SALTY	fimW	Fimbriae W protein	512010					348360		163640

FIMZ SALTY	fimZ	Fimbriae Z protein	35517				12480	14706	8331.5
FLAV SALTY	fldA	Flavodoxin I	2063700	40475	259140		242420	695300	826320
FLGK SALTY	flgK	Flagellar hook-associated protein 1	1718200				507200	517100	693910
FLGL SALTY	flgL	Flagellar hook-associated protein 3	65990				28100	21551	16339
FLIB SALTY	fliB	Lysine-N-methylase	2745500		228230	103180	879540	625540	909020
FLIC SALTY	fliC	Flagellin	2723900	4747.9	10617	14743	550370	965290	1178100
FLII SALTY	fliI	Flagellum-specific ATP synthase	478630				110790	124370	243470
FLIL SALTY	fliL	Flagellar protein FliL	341840				118170	107700	115970
FLIO SALTY	fliO	Flagellar protein FliO	272900				138400		134500
FMT SALTY	fmt	Methionyl-tRNA formyltransferase	481110				118310	104120	258680
FNR SALTY	fnr	Fumarate and nitrate reduction regulatory protein	588580				218030	168920	201640
FOLD SALTY	folD	Bifunctional protein FolD	1990300				601220	666650	722420
FRDC SALTY	frdC	Fumarate reductase subunit C	23858000		72082	185850	8339800	7297000	7963200
FRDD SALTY	frdD	Fumarate reductase subunit D	4470800	27571	9808.2	30922	1512600	1670800	1219100
FRE SALTY	fre	NAD(P)H-flavin reductase	1247500				385800	398740	462940
FRSA SALTY	frsA	Esterase FrsA	3557800				996920	845360	1715600
FSA SALTY	fsa	Fructose-6-phosphate aldolase	117770					117770	
FTSH SALTY	ftsH	ATP-dependent zinc metalloprotease FtsH	5964000	75414	105760	70939	2448700	1586400	1676900
FUCI SALTY	fucI	L-fucose isomerase	315880				91315	72564	152000
FUCK SALTY	fucK	L-fuculokinase							
FUMA SALTY	fumA	Fumarate hydratase class I, aerobic	3730700				1222700	904310	1603700
FUMC SALTY	fumC	Fumarate hydratase class II	4893600				2383200	1560300	950180
G3P SALTY	gapA	Glyceraldehyde-3-phosphate dehydrogenase	91767000	2322400	2097300	3310400	28888000	26853000	28296000
G6PI SALTY	pgi	Glucose-6-phosphate isomerase	10820000			16364	3998400	3651300	3153700
GALF SALTY	galF	UTP--glucose-1-phosphate uridylyltransferase	218360				93240	44572	80552
GALR SALTY	galR	HTH-type transcriptional regulator galR	20054				6396.8	7822	5835
GCHIL SALTY	ybgI	GTP cyclohydrolase 1 type 2 homolog	575810				135600	121450	318750
GCSH SALTY	gcvH	Glycine cleavage system H protein	1654700				618580	595880	440240
GCSP SALTY	gcvP	Glycine dehydrogenase (decarboxylating)	8755600		3883.3		2858400	3378800	2514500
GCST SALTY	gcvT	Aminomethyltransferase	1287400				406420	393110	487870
GLGA SALTY	glgA	Glycogen synthase	10201000				3904200	2490900	3805700
GLGB SALTY	glgB	1,4-alpha-glucan branching enzyme GlgB	2543800				781170	920570	842060
GLGC SALTY	glgC	Glucose-1-phosphate adenylyltransferase	5717000	80320	13663	27756	2363100	1623800	1608400
GLK SALTY	glk	Glucokinase	12345000	2687.2	4708.2		4664000	3422700	4250600
GLMM SALTY	glmM	Phosphoglucosamine mutase	2007100				547980	955060	504020
GLMS SALTY	glmS	Glutamine--fructose-6-phosphate aminotransferase [isomerizin	5257500			7459.7	1536100	1400600	2313300
GLMU SALTY	glmU	Bifunctional protein GlmU	2042100			3386.1	701570	517180	820000
GLN1B SALTY	glnA	Glutamine synthetase	2859500			7727	700830	799350	1351600
GLNE SALTY	glnE	Bifunctional glutamine synthetase adenylyltransferase/adenyly	545200				51632	395300	98260

GLO2 SALTY	gloB	Hydroxyacylglutathione hydrolase	1328500				948530		379950
GLPB SALTY	glpB	Anaerobic glycerol-3-phosphate dehydrogenase subunit B	16530000				7680100	1865000	6984900
GLPK SALTY	glpK	Glycerol kinase	163400000	3480500	3931300	4326500	47636000	49504000	54522000
GLRX1 SALTY	grxA	Glutaredoxin 1	1115700				504590	241960	369150
GLTI SALTY	gltI	Glutamate/aspartate import solute-binding protein	5267500				2493800	1421300	1352400
GLYA SALTY	glyA	Serine hydroxymethyltransferase	12178000	12117	11021	18219	5215500	3435600	3485900
GPDA SALTY	gpsA	Glycerol-3-phosphate dehydrogenase [NAD(P)+]	764220				212920	147570	403730
GPMA SALTY	gpmA	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase	4388500				1650100	1208600	1529800
GPMI SALTY	gpmI	2,3-bisphosphoglycerate-independent phosphoglycerate mutase	513780	37867			261570	124830	89503
GPPA SALTY	gppA	Guanosine-5'-triphosphate,3'-diphosphate pyrophosphatase	1293900				348110	333800	611980
GRCA SALTY	grcA	Autonomous glycyl radical cofactor	1981700				673310	708700	599690
GREA SALTY	greA	Transcription elongation factor GreA	719950		6409.3		324460	230220	158860
GSA SALTY	hemL	Glutamate-1-semialdehyde 2,1-aminomutase	3373900				1140600	692260	1541000
GSH1 SALTY	gshA	Glutamate--cysteine ligase	3559400				1570700	923640	1065000
GSHB SALTY	gshB	Glutathione synthetase	507660				386330	66600	54734
GUAA SALTY	guaA	GMP synthase [glutamine-hydrolyzing]	1976600	23553	3882		532240	594830	822140
GUAC SALTY	guaC	GMP reductase	15966000	2517400	6212100	4822400	679830	919870	814700
GYRA SALTY	gyrA	DNA gyrase subunit A	10477000	11440	22993	44551	4118600	2836000	3442900
GYRB SALTY	gyrB	DNA gyrase subunit B	3833900	300160	148070	146150	1237900	1221400	780190
HEM3 SALTY	hemC	Porphobilinogen deaminase	144740				30011		114730
HEM4 SALTY	hemD	Uroporphyrinogen-III synthase	701150				264370	222540	214240
HEMG SALTY	hemG	Protoporphyrinogen IX dehydrogenase [menaquinone]	384670				116410	87326	180940
HEMH SALTY	hemH	Ferrochelatase	602600				199870	115480	287250
HEMN SALTY	hemN	Oxygen-independent coproporphyrinogen III oxidase	108320				20740	42298	45286
HILA SALTY	hilA	Transcriptional regulator HilA	32789000	123950	92521	155460	16701000	6579200	9136200
HIS7 SALTY	hisB	Histidine biosynthesis bifunctional protein HisB	2923400	14551	14432		1119800	1287300	487410
HIS8 SALTY	hisC	Histidinol-phosphate aminotransferase	345510				102700	132450	110370
HLDD SALTY	hldD	ADP-L-glycero-D-manno-heptose-6-epimerase	3062100				1281300	660490	1120300
HLDE SALTY	hldE	Bifunctional protein HldE	1746900				358620	374360	1014000
HNS SALTY	hns	DNA-binding protein H-NS	9903900	150800	254130	277110	2920300	2166100	4135400
HSCA SALTY	hscA	Chaperone protein HscA	120580				57671	18493	44415
HSLU SALTY	hslU	ATP-dependent protease ATPase subunit HslU	2568500	1318.5	11329	15770	862040	866570	811440
HSLV SALTY	hslV	ATP-dependent protease subunit HslV	1103800				503900	207540	392330
HTPG SALTY	htpG	Chaperone protein HtpG	6181700	280540	308380	219320	1749900	1497100	2126500
HTPX SALTY	htpX	Protease HtpX	452720				138720	187010	126990
HUTG SALTY	hutG	Formimidoylglutamase	145560				72784	72779	
HUTH SALTY	hutH	Histidine ammonia-lyase	7123900			2980.6	2549900	1483400	3087600
HUTI SALTY	hutI	Imidazolonepropionase	182210				103930	49134	29139
IBPA SALTY	ibpA	Small heat shock protein IbpA	1251700				601720	239900	410040

ICLR SALTY	iclR	Acetate operon repressor	233980				60606	55242	118130
IF2 SALTY	infB	Translation initiation factor IF-2	7452200	15593	28577	24628	2639700	2819900	1923800
IF3 SALTY	infC	Translation initiation factor IF-3	3980500				1873700	634090	1472600
IHFA SALTY	ihfA	Integration host factor subunit alpha	648830				412620	236210	
IHFB SALTY	ihfB	Integration host factor subunit beta	1494900	128660	162340	234160	331830	353040	284840
ILVD SALTY	ilvD	Dihydroxy-acid dehydratase	47943				16765	15483	15694
ILVE SALTY	ilvE	Branched-chain-amino-acid aminotransferase	722660				330810	177240	214610
ILVI SALTY	ilvI	Acetolactate synthase isozyme 3 large subunit	225680				68096	39850	117730
INVA SALTY	invA	Invasion protein InvA	2853600		10661	3924	719140	1237200	882720
INVG SALTY	invG	Protein InvG	73382000	13097	45347	54873	30270000	22726000	20273000
IPYR SALTY	ppa	Inorganic pyrophosphatase	1128700				270950	471640	386090
ISPG SALTY	ispG	4-hydroxy-3-methylbut-2-en-1-yl diphosphate synthase (flavo	5967200				2477300	1421300	2068600
KATG SALTY	katG	Catalase-peroxidase	1031100				346310	372470	312270
KBL SALTY	kbl	2-amino-3-ketobutyrate coenzyme A ligase	2085000			12707	750100	680770	641410
KDSA SALTY	kdsA	2-dehydro-3-deoxyphosphooctonate aldolase	505450				174160	180410	150890
KDSB SALTY	kdsB	3-deoxy-manno-octulosonate cytidyltransferase	29020				29020		
KDSD SALTY	kdsD	Arabinose 5-phosphate isomerase KdsD	240740				100990		139750
KEFC SALTY	kefC	Glutathione-regulated potassium-efflux system protein KefC	3539000	914710	1202600	1181100	62855	76618	101080
KPRS SALTY	prs	Ribose-phosphate pyrophosphokinase	8691500				2722300	2042900	3926300
KPYK1 SALTY	pykF	Pyruvate kinase I	9444500	45294	55605	68787	3390100	2911400	2973300
KPYK2 SALTY	pykA	Pyruvate kinase II	9144800	127170	115680	39644	3873800	2049000	2939500
LAMB SALTY	lamB	Maltoporin	36698				12941	7626.7	16130
LCFA SALTY	fadD	Long-chain-fatty-acid--CoA ligase	625990				202590	155720	267680
LDCI SALTY	cadA	Inducible lysine decarboxylase	2200500	2992.2			903130	553640	740710
LEP SALTY	lepB	Signal peptidase I	1982000				698980	687200	595790
LEPA SALTY	lepA	Elongation factor 4	5920600			8868.8	1996900	1877600	2037200
LGT SALTY	lgt	Prolipoprotein diacylglyceryl transferase	768210				172750	266890	328570
LIVF SALTY	livF	High-affinity branched-chain amino acid transport ATP-binding protein LivF							
LLDD SALTY	lldD	L-lactate dehydrogenase	512650				211580	171880	129190
LPLA SALTY	lplA	Lipoate-protein ligase A	166190				129330		36860
LPP1 SALTY	lppI	Major outer membrane lipoprotein 1	180330000	8799500	11019000	10326000	46366000	64061000	39759000
LPTD SALTY	lptD	LPS-assembly protein LptD	709930	12974		4480.7	233830	203740	254900
LPXA SALTY	lpxA	Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyl	635080				248390	178390	208300
LPXC SALTY	lpxC	UDP-3-O-acyl-N-acetylglucosamine deacetylase	805020				280780	269660	254570
LRP SALTY	lrp	Leucine-responsive regulatory protein	4154000				305260	2013100	1835700
LSRA SALTY	lsrA	Autoinducer 2 import ATP-binding protein LsrA	2013800				618620	929290	465860
LSRB SALTY	lsrB	Autoinducer 2-binding protein LsrB	6347100				2297600	1531900	2517600
LSRC SALTY	lsrC	Autoinducer 2 import system permease protein LsrC	428540				153120	129190	146230
LSRD SALTY	lsrD	Autoinducer 2 import system permease protein LsrD							

LSRF SALTY	lsrF	3-hydroxy-5-phosphonooxypentane-2,4-dione thiolase	12958000	29579	19547	52359	5725300	3143700	3987000
LSRK SALTY	lsrK	Autoinducer-2 kinase	4495200				1541600	743820	2209800
LSRR SALTY	lsrR	Transcriptional regulator LsrR	272680				162120	62716	47839
LYSAC SALTY	pat	Protein lysine acetyltransferase Pat	1611700				422460	630350	558870
MACB SALTY	macB	Macrolide export ATP-binding/permease protein MacB	122210				32646	50690	38870
MALG SALTY	malG	Maltose transport system permease protein MalG	133160				133160		
MANA SALTY	manA	Mannose-6-phosphate isomerase	1698500				727590	380590	590350
MAO1 SALTY	macA	NAD-dependent malic enzyme	11891000	107760	158030	105420	3956600	3621800	3941700
MAO2 SALTY	macB	NADP-dependent malic enzyme	11826000	67726	51260	33911	3961100	2771000	4940900
MAP1 SALTY	map	Methionine aminopeptidase	592760				241630	63695	287430
MCP2 SALTY	tar	Methyl-accepting chemotaxis protein II	1205600				469040	285930	450650
MDH SALTY	mdh	Malate dehydrogenase	11873000	192460	64678	68715	4427800	3628000	3491600
MDTC SALTY	mdtC	Multidrug resistance protein MdtC	109760		1499.7		36504	28494	43259
MDTK SALTY	mdtK	Multidrug resistance protein MdtK	124440				46391	44453	33593
METC SALTY	metC	Cystathionine beta-lyase	592460				73979	244190	274290
METK SALTY	metK	S-adenosylmethionine synthase	306060	7675.6	11330	14332	99492	94555	78674
METQ SALTY	metQ	D-methionine-binding lipoprotein MetQ	1732600				857120	794740	80736
MGLA SALTY	mgIA	Galactose/methyl galactoside import ATP-binding protein Mgl	571060				177740	241960	151370
MINC SALTY	minC	Septum site-determining protein MinC	361580				142850	115690	103030
MINE SALTY	minE	Cell division topological specificity factor	677510				201100	156350	320050
MNMC SALTY	mnmC	tRNA 5-methylaminomethyl-2-thiouridine biosynthesis bifunc	109080					109080	
MNMG SALTY	mnmG	tRNA uridine 5-carboxymethylaminomethyl modification enzy	49153				19118	13790	16245
MODC SALTY	modC	Molybdenum import ATP-binding protein ModC	1678200				762830	262220	653190
MOEA SALTY	moeA	Molybdopterin molybdenumtransferase	901700				282720	248730	370250
MOTA SALTY	motA	Motility protein A	681870				233050	217470	231350
MREB SALTY	mreB	Rod shape-determining protein MreB	3279600	30120			1057900	827510	1364100
MSBA SALTY	msbA	Lipid A export ATP-binding/permease protein MsbA	1536500	4760.9	7914.9		634830	377230	511790
MSCL SALTY	mscL	Large-conductance mechanosensitive channel	5986500				2298000	2737100	951480
MSRA SALTY	msrA	Peptide methionine sulfoxide reductase MsrA	4399000				1705500	1415800	1277600
MSRP SALTY	msrP	Protein-methionine-sulfoxide reductase catalytic subunit MsrP	100730				27262	36883	36581
MTNN SALTY	mtnN	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase	423950				128500	131850	163610
MUCB SALTM	mucB	Protein MucB							
MUKB SALTY	mukB	Chromosome partition protein MukB	771200				252060	174020	345120
MURA SALTY	murA	UDP-N-acetylglucosamine 1-carboxyvinyltransferase	448180				145740	154410	148030
MURD SALTY	murD	UDP-N-acetylmuramoylalanine--D-glutamate ligase	1617000				594400	583680	438930
MURE SALTY	murE	UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--2,6-diaminopi	967800				356860	335800	275140
MURG SALTY	murG	UDP-N-acetylglucosamine--N-acetylmuramyl-(pentapeptide) p	1355200				422270	458950	473940
MUTS SALTY	mutS	DNA mismatch repair protein MutS	1187100				350000	391510	445560
NADE SALTY	nadE	NH(3)-dependent NAD(+) synthetase	561380	20167	15849		119540	249330	156500

NADR SALTY	nadR	Trifunctional NAD biosynthesis/regulator protein NadR	623540				254350	288570	80632
NAGB SALTY	nagB	Glucosamine-6-phosphate deaminase	3214800				1146400	932890	1135600
NAGK SALTY	nagK	N-acetyl-D-glucosamine kinase	72509						72509
NANA SALTY	nanA	N-acetylneuraminase lyase	758110				256610	303750	197750
NAPA SALTY	napA	Periplasmic nitrate reductase	149670				33548	56393	59726
NDK SALTY	ndk	Nucleoside diphosphate kinase	2040000				436000	550390	1053600
NFUA SALTY	nfuA	Fe/S biogenesis protein NfuA	1488800				535060	375170	578520
NHAA SALTY	nhaA	Na(+)/H(+) antiporter NhaA	94781					94781	
NHOA SALTY	nhoA	N-hydroxyarylamine O-acetyltransferase	395640				249100		146550
NLPD SALTY	nlpD	Murein hydrolase activator NlpD	221860				55029	71672	95162
NORR SALTY	norR	Anaerobic nitric oxide reductase transcription regulator NorR	56609				20861	19695	16053
NPD SALTY	cobB	NAD-dependent protein deacylase	5093700				2081400	1290700	1721600
NQOR SALTY		NAD(P)H dehydrogenase (quinone)	2208700		29614	4246.2	743990	835130	595730
NRDD SALTY	nrdD	Anaerobic ribonucleoside-triphosphate reductase	1191500	4578.1			487290	375950	323680
NRFA SALTY	nrfA	Cytochrome c-552	1245100				369760	349450	525940
NUOA SALTY	nuoA	NADH-quinone oxidoreductase subunit A	4995800				1613800	1410000	1972100
NUOB SALTY	nuoB	NADH-quinone oxidoreductase subunit B	1125400				532290	319110	274030
NUOCD SALT	nuoC	NADH-quinone oxidoreductase subunit C/D	40860000		13816	47676	19076000	11450000	10272000
NUOF SALTY	nuoF	NADH-quinone oxidoreductase subunit F	15252000	105010			6439800	4460300	4247300
NUOG SALTY	nuoG	NADH-quinone oxidoreductase subunit G	1909900				658830	765160	485900
NUOH SALTY	nuoH	NADH-quinone oxidoreductase subunit H	3767700				1403700	612610	1751400
NUOI SALTY	nuoI	NADH-quinone oxidoreductase subunit I	5947400		18657	19057	1720500	1353600	2835600
NUOK SALTY	nuoK	NADH-quinone oxidoreductase subunit K	8656700				2619700	2137000	3900100
NUON SALTY	nuoN	NADH-quinone oxidoreductase subunit N	620220				208250	176890	235090
NUSA SALTY	nusA	Transcription termination/antitermination protein NusA	1793600				855060	562280	376300
NUSG SALTY	nusG	Transcription termination/antitermination protein NusG	825250				361950	251510	211790
OMPA SALTY	ompA	Outer membrane protein A	61340000	243860	222100	266730	15743000	29085000	15779000
OMPC SALTY	ompC	Outer membrane protein C	9418000		17518		3809500	3178100	2412800
OMPD SALTY	ompD	Outer membrane porin protein OmpD	17742000				6855100	4725200	6162000
OMPF SALTY	ompF	Outer membrane protein F	21431				8224.9	7777.8	5428.6
OMPR SALTY	ompR	Transcriptional regulatory protein OmpR	27656000	94966			8528500	7006500	12026000
OMPW SALTY	ompW	Outer membrane protein W	18356000	5041.9		293890	4371400	6791100	6894600
OPDA SALTY	prlC	Oligopeptidase A	9516200		82193		2923300	3557900	2952700
OPGG SALTY	mdoG	Glucans biosynthesis protein G	1522100				460890	596120	465080
OPGH SALTY	mdoH	Glucans biosynthesis glucosyltransferase H	119390	1288.4	2697.5		42938	27537	44931
OPPA SALTY	oppA	Periplasmic oligopeptide-binding protein	3276200		54639	5054.6	1481900	581720	1152800
OPPD SALTY	oppD	Oligopeptide transport ATP-binding protein OppD	6888800			12571	3866600	1430700	1578900
OPPF SALTY	oppF	Oligopeptide transport ATP-binding protein OppF	5597700				2222200	2443900	931570
ORGA SALTY	orgA	Oxygen-regulated invasion protein OrgA	992010				288980	142740	560280

OTCC SALTY	arcB	Ornithine carbamoyltransferase, catabolic	2691900		157340		1023600	398950	1112100
OTSA SALTY	otsA	Trehalose-6-phosphate synthase	2832400			26028	794680	1160500	851220
PABB SALTY	pabB	Aminodeoxychorismate synthase component 1	95018				76280		18738
PAGC SALTY	pagC	Virulence membrane protein PagC	37358000	187270	182770	661140	10484000	13518000	12325000
PAGD SALTY	pagD	Virulence protein PagD	3225000				1072800	955420	1196700
PAGN SALTY	pagN	Outer membrane protein PagN	822070				183260	359980	278840
PANC SALTY	panC	Pantothenate synthetase	824420				78599	204660	541160
PAND SALTY	panD	Aspartate 1-decarboxylase	10860000	262860	432030	500770	2750800	3168200	3745100
PARC SALTY	parC	DNA topoisomerase 4 subunit A	5227900	1215100	1221400	1517000	406380	307210	560680
PAT SALTY	patA	Putrescine aminotransferase	1351900	55844	48213	55483	467710	277750	446900
PCKA SALTY	pckA	Phosphoenolpyruvate carboxykinase (ATP)	62206000	94947	82850	73780	23705000	18469000	19780000
PCNB SALTY	pcnB	Poly(A) polymerase I	1494800				682420	312020	500350
PDUC SALTY	pduC	Propanediol dehydratase large subunit	96571000	4332900	47050000	614030	16570000	12581000	15423000
PDXA2 SALTY	pdxA2	D-threonate 4-phosphate dehydrogenase	3999800				1614200	1039100	1346500
PDXB SALTY	pdxB	Erythronate-4-phosphate dehydrogenase	2426100				1118700	525140	782270
PDXJ SALTY	pdxJ	Pyridoxine 5'-phosphate synthase	1647600				561880	586920	498850
PEFC SALTY	pefC	Outer membrane usher protein PefC	203690	21970	58023	63832	18514	18853	22503
PEPB SALTY	pepB	Peptidase B	698290				172690	227510	298090
PEPQ SALTY	pepQ	Xaa-Pro dipeptidase	7290500	24641			2404600	2781400	2079900
PEPT SALTY	pepT	Peptidase T	546240	4384.3			176850	172530	192470
PFKA SALTY	pfkA	ATP-dependent 6-phosphofructokinase	6415700	8588.1	10620	9071	1961400	2196200	2229800
PGK SALTY	pgk	Phosphoglycerate kinase	14008000		52308	46548	4466400	3527700	5915300
PGTE SALTY	pgtE	Outer membrane protease E	42522				12903	13473	16146
PHON SALTY	phoN	Non-specific acid phosphatase	2046800				835030	512390	699420
PHOP SALTY	phoP	Virulence transcriptional regulatory protein PhoP	5329300		78294	53186	1665000	2043100	1489700
PHOQ SALTY	phoQ	Virulence sensor histidine kinase PhoQ	2896400				890070	806260	1200100
PIPB2 SALTY	pipB2	Secreted effector protein PipB2	1295800			39962	353590	477860	424420
PLSB SALTY	plsB	Glycerol-3-phosphate acyltransferase	4401100				1802600	1290600	1307900
PLSY SALTY	plsY	Glycerol-3-phosphate acyltransferase	615170				193140	190500	231520
PNP SALTY	pnp	Polyribonucleotide nucleotidyltransferase	5084500	22779	15891	10859	1912800	1496800	1625400
PPK1 SALTY	ppk	Polyphosphate kinase	4382500				1524700	1361200	1496500
PPX SALTY	ppx	Exopolyphosphatase	892110				327220	342810	222080
PRC SALTY	prc	Tail-specific protease	2436500				735990	805530	894970
PRET SALTY	preT	NAD-dependent dihydropyrimidine dehydrogenase subunit PreT	1012900				347810	343960	321110
PRGH SALTY	prgH	Protein PrgH	31084000	9286.7	4718.6	4321.6	9927500	13471000	7667200
PRGJ SALTY	prgJ	Protein PrgJ							
PRGK SALTY	prgK	Lipoprotein PrgK	357870	7642.3	6996.7		131700	111800	99735
PROA SALTY	proA	Gamma-glutamyl phosphate reductase	82091				27848	26598	27645
PROQ SALTY	proQ	RNA chaperone ProQ	3257900	790410	1104000	708120	324050	331350	

PROV SALTY	proV	Glycine betaine/proline betaine transport system ATP-binding protein ProV							
PROX SALTY	proX	Glycine betaine/proline betaine-binding periplasmic protein	345360				70595	105270	169500
PRPB SALTY	prpB	2-methylisocitrate lyase	1441100				745360	300040	395740
PRPC SALTY	prpC	2-methylcitrate synthase	13304000			18133	4010900	4601600	4673500
PRPD SALTY	prpD	2-methylcitrate dehydratase	36933000	27159	49210	55460	13968000	11112000	11721000
PRPE SALTY	prpE	Propionate--CoA ligase	5220600				1581200	1528200	2111200
PRPR SALTY	prpR	Propionate catabolism operon regulatory protein	103390				43099	42511	17777
PSD SALTY	psd	Phosphatidylserine decarboxylase proenzyme	23914000				7023800	8375200	8514700
PT1 SALTY	ptsI	Phosphoenolpyruvate-protein phosphotransferase	19156000		3855.4	26516	6541300	5858400	6725700
PT1P SALTY	ptsP	Phosphoenolpyruvate-dependent phosphotransferase system	991710				405930	230640	355130
PTA SALTY	pta	Phosphate acetyltransferase	9063900	6298.9	13408	18868	3067400	3071700	2886300
PTGA SALTY	crr	PTS system glucose-specific EIIA component	567530	77764			261430	109570	118770
PTGCB SALTY	ptsG	PTS system glucose-specific EIICB component	2091900				1146500	283520	661820
PUR4 SALTY	purL	Phosphoribosylformylglycinamide synthase	301560	50933	75098	77736	53028	23834	20928
PURA SALTY	purA	Adenylosuccinate synthetase	4097700		4227.6		1642600	695020	1755900
PUTA SALTY	putA	Bifunctional protein PutA	26540000	28485	10264	9184.3	8958200	7707900	9826300
PUTP SALTY	putP	Sodium/proline symporter	1775300				819830	541160	414270
PYRC SALTY		Dihydroorotase	311840				116780	50591	144470
PYRD SALTY	pyrD	Dihydroorotate dehydrogenase (quinone)	272160				126330	99263	46575
PYRE SALTY	pyrE	Orotate phosphoribosyltransferase	430780				121280	108250	201250
PYRG SALTY	pyrG	CTP synthase	3710100	13821	17781	22182	1492500	640450	1523300
PYRH SALTY	pyrH	Uridylate kinase	5925500				1718300	1980500	2226700
QOR SALTY	qor	Quinone oxidoreductase	1611100				459940	208940	942220
QUEF SALTY	queF	NADPH-dependent 7-cyano-7-deazaguanine reductase	403930				152600	125280	126050
RADA SALTY	radA	DNA repair protein RadA	93994				33457	31902	28635
RAPA SALTY	rapA	RNA polymerase-associated protein RapA	800990				242130	339490	219370
RAPZ SALTY	rapZ	RNase adapter protein RapZ	779870					217480	562390
RAVA SALTY	ravA	ATPase RavA	502160				148840	138460	214870
RCNR SALTY	rcnR	Transcriptional repressor RcnR	699850				272860	184580	242410
RCSB SALTY	rcsB	Transcriptional regulatory protein RcsB	5545600			3864900	490330	353960	836330
RECA SALTY	recA	Protein RecA	10451000	34201			6323000	1841000	2252800
REP SALTY	rep	ATP-dependent DNA helicase Rep	40399				13067	12955	14377
RF3 SALTY	prfC	Peptide chain release factor 3	258550				114360	62529	81664
RFAB SALTY	rfaB	Lipopolysaccharide 1,6-galactosyltransferase	1076800			2865.3	456810	239470	377660
RFAF SALTY	rfaF	ADP-heptose--LPS heptosyltransferase 2	1100200				281420	330280	488530
RFAI SALTY	rfaI	Lipopolysaccharide 1,3-galactosyltransferase	319980				42107	124510	153370
RFA Y SALTY	rfaY	Lipopolysaccharide core heptose(II) kinase RfaY	1902100				613660	736290	552130
RFBF SALTY	rfbF	Glucose-1-phosphate cytidyltransferase	3771900				1763400	1090900	917560
RFBG SALTY	rfbG	CDP-glucose 4,6-dehydratase	1838900				555430	597440	686010

RFBH	SALTY	rfbH	Lipopolysaccharide biosynthesis protein RfbH	18424000	10744		10410	7919100	5592100	4891800
RFBI	SALTY	rfbI	Protein RfbI	845450				292490	74335	478630
RFBJ	SALTY	rfbJ	CDP-abequose synthase	4423400				727810	1139200	2556300
RFBK	SALTY	rfbK	Phosphomannomutase	705920				129440	162670	413810
RFBN	SALTY	rfbN	O antigen biosynthesis rhamnosyltransferase RfbN	1022400				283890	394280	344250
RFBP	SALTY	rfbP	Undecaprenyl-phosphate galactose phosphotransferase							
RFBU	SALTY	rfbU	Protein RfbU	510150				188230	132640	189280
RFBV	SALTY	rfbV	Abequosyltransferase RfbV	524710				162540	162860	199300
RHLB	SALTY	rhIB	ATP-dependent RNA helicase RhlB	1309200				417460	470760	420950
RHO	SALTY	rho	Transcription termination factor Rho	14481000	11563	44969	48079	4332200	4435600	5608300
RIBB	SALTY	ribB	3,4-dihydroxy-2-butanone 4-phosphate synthase	1724200				618720	524780	580720
RIDA	SALTY	ridA	2-iminobutanoate/2-iminopropanoate deaminase	4107400	216130	278320	355990	882420	1322900	1051600
RIHA	SALTY	rihA	Pyrimidine-specific ribonucleoside hydrolase RihA	596190				202040	208740	185410
RIHC	SALTY	rihC	Non-specific ribonucleoside hydrolase RihC	3842800				1177500	1296300	1369100
RIMM	SALTY	rimM	Ribosome maturation factor RimM	2167700	16579			688100	760620	702390
RIMO	SALTY	rimO	Ribosomal protein S12 methylthiotransferase RimO	421230				228580	117840	74798
RIR1	SALTY	nrdA	Ribonucleoside-diphosphate reductase 1 subunit alpha	13635000	2661.2	3113.3	7503.6	5115500	4410400	4096100
RIR2	SALTY	nrdB	Ribonucleoside-diphosphate reductase 1 subunit beta	2454900				835730	800320	818830
RIR3	SALTY	nrdE	Ribonucleoside-diphosphate reductase 2 subunit alpha	561750				295180	266580	
RL1	SALTY	rplA	50S ribosomal protein L1	6471000		84484	86094	2593200	1892100	1815100
RL10	SALTY	rplJ	50S ribosomal protein L10	13716000		1100800	7995100	1043700	1617000	1959600
RL11	SALTY	rplK	50S ribosomal protein L11	7665100	1202200	1098400	1004900	1467200	1630400	1262100
RL13	SALTY	rplM	50S ribosomal protein L13	46363000	208070	244640	319770	14493000	12276000	18821000
RL14	SALTY	rplN	50S ribosomal protein L14	3750800	31683	31026	26173	1326800	1136800	1198300
RL15	SALTY	rplO	50S ribosomal protein L15	228010000	1054200	1295900	987380	64090000	61771000	98810000
RL16	SALTY	rplP	50S ribosomal protein L16	55571000				15343000	14038000	26191000
RL17	SALTY	rplQ	50S ribosomal protein L17	4839700		59046		1350800	1734400	1695400
RL18	SALTY	rplR	50S ribosomal protein L18	951510	32128	22293	22148	319310	298100	257540
RL19	SALTY	rplS	50S ribosomal protein L19	91821000	174710	714990	7562.3	31218000	33313000	26393000
RL2	SALTY	rplB	50S ribosomal protein L2	148080000	1600400	1929200	1695500	49559000	46045000	47250000
RL20	SALTY	rplT	50S ribosomal protein L20	86952000	272560	833180	565670	29611000	27196000	28474000
RL21	SALTY	rplU	50S ribosomal protein L21	9605400				3804700	3083600	2717100
RL22	SALTY	rplV	50S ribosomal protein L22	13721000	312220	514710	87833	4639700	5877500	2289300
RL23	SALTY	rplW	50S ribosomal protein L23	3612400	251090	75415	136930	1181000	985100	982890
RL24	SALTY	rplX	50S ribosomal protein L24	1928600			50190	802410	766670	309340
RL27	SALTY	rpmA	50S ribosomal protein L27	2400800		160110	148440	774430	648510	669250
RL28	SALTY	rpmB	50S ribosomal protein L28	45887000	65801	66669	72583	29946000	10864000	4872000
RL3	SALTY	rplC	50S ribosomal protein L3	20585000	394380	615660	1228000	7487900	3872600	6986000
RL30	SALTY	rpmD	50S ribosomal protein L30	6076500			251790	4493200	1141300	190120

RL32 SALTY	rpmF	50S ribosomal protein L32	3061800					1026000	993460	1042300
RL4 SALTY	rplD	50S ribosomal protein L4	20164000	28552				5977300	6596700	7561100
RL5 SALTY	rplE	50S ribosomal protein L5	31970000	7751.5	280950	136640		13265000	9935800	8343900
RL6 SALTY	rplF	50S ribosomal protein L6	17201000	324930	400640	471010		5495100	4185300	6323700
RL7 SALTY	rplL	50S ribosomal protein L7/L12	1037300					359790	302770	374770
RL9 SALTY	rplI	50S ribosomal protein L9	4579900	125480	171230			1579800	364330	2339000
RLMD SALTY	rlmD	23S rRNA (uracil(1939)-C(5))-methyltransferase RlmD	403110					136750	127270	139090
RLMI SALTY	rlmI	Ribosomal RNA large subunit methyltransferase I	2627300					889080	759910	978260
RLMKL SALT	rlmL	Ribosomal RNA large subunit methyltransferase K/L	583620	20077				202410	174600	186530
RLMM SALTY	rlmM	Ribosomal RNA large subunit methyltransferase M	157990					50352	50647	56990
RLUB SALTY	rluB	Ribosomal large subunit pseudouridine synthase B	2625700					961270	791120	873280
RLUC SALTY	rluC	Ribosomal large subunit pseudouridine synthase C	88058					24876	36617	26564
RLUF SALTY	rluF	23S rRNA pseudouridine(2604) synthase	293210					46164	138130	108910
RLX2 SALTM		22 kDa relaxation protein	2294500						2294500	
RMUC SALTY	rmuC	DNA recombination protein RmuC	8151600	2553000	2262700	2714200		193830	241120	186770
RNB SALTY	rnb	Exoribonuclease 2	251980					26835	158530	66610
RNPH SALTY	rph	Ribonuclease PH	4679600					1852200	1478900	1348600
RODZ SALTY	rodZ	Cytoskeleton protein RodZ	3072900					785620	1187300	1099900
RPIA SALTY	rpiA	Ribose-5-phosphate isomerase A	250760					112660	63462	74634
RPOA SALTY	rpoA	DNA-directed RNA polymerase subunit alpha	12007000	241240	85956	104450		3993100	3319600	4263100
RPOB SALTY	rpoB	DNA-directed RNA polymerase subunit beta	26336000	39936	57276	59618		9974000	7349400	8856000
RPOC SALTY	rpoC	DNA-directed RNA polymerase subunit beta'	23616000	2904.7	15768	29404		8636500	7500300	7430900
RPOD SALTY	rpoD	RNA polymerase sigma factor RpoD	3210600					885890	949640	1375000
RRF SALTY	fir	Ribosome-recycling factor	177910					51000	65328	61581
RS10 SALTY	rpsJ	30S ribosomal protein S10	12835000	1020700	1868700	2017500		3916000	2006200	2005400
RS11 SALTY	rpsK	30S ribosomal protein S11	10733000	138200	114500	269880		4278000	2608300	3323800
RS12 SALTY	rpsL	30S ribosomal protein S12	18090000	1208800	2714400	2436200		4068500	3823500	3839200
RS13 SALTY	rpsM	30S ribosomal protein S13	77402000	119650	1095800	369600		21759000	23884000	30174000
RS14 SALTY	rpsN	30S ribosomal protein S14	16769000	81008				6527500	1628300	8532500
RS16 SALTY	rpsP	30S ribosomal protein S16	2112400	299110	422740				587240	803290
RS17 SALTY	rpsQ	30S ribosomal protein S17	19402000	1606900	976120	1401600		6338200	5169700	3910000
RS18 SALTY	rpsR	30S ribosomal protein S18	35701000	231810	506870			10628000	7293200	17041000
RS19 SALTY	rpsS	30S ribosomal protein S19	1063900					538400	394250	131250
RS2 SALTY	rpsB	30S ribosomal protein S2	6136300	5321.5	25163	8154.1		1865100	2027500	2205100
RS21 SALTY	rpsU	30S ribosomal protein S21	36612000	1354200	2214900	2649800		9190100	12794000	8409000
RS3 SALTY	rpsC	30S ribosomal protein S3	347220000	1929300	2583200	2825900		110040000	105000000	124840000
RS4 SALTY	rpsD	30S ribosomal protein S4	56701000	176680	131850	193860		20436000	16187000	19575000
RS5 SALTY	rpsE	30S ribosomal protein S5	6647800	172720	124100	124270		665450	2948100	2613200
RS6 SALTY	rpsF	30S ribosomal protein S6	1024100					374230	335000	314840

RS7	SALTY	rpsG	30S ribosomal protein S7	7450700	108560	136260	154330	2047200	2302900	2701400
RS8	SALTY	rpsH	30S ribosomal protein S8	2479900	101840	115320	129970	936930	576630	619190
RS9	SALTY	rpsI	30S ribosomal protein S9	17015000	108270	171620	210730	5939500	5267300	5317300
RSEB	SALT1	rseB	Sigma-E factor regulatory protein RseB	964350				346340	123620	494390
RSXD	SALTY	rsxD	Electron transport complex subunit RsdD	146420				45102	55967	45346
SAPF	SALTY	sapF	Peptide transport system ATP-binding protein SapF	333700				132540	67760	133400
SDHA	SALTY	sdhA	Succinate dehydrogenase flavoprotein subunit	26879000	376660	317710	595470	11406000	7191600	6991600
SDHB	SALTY	sdhB	Succinate dehydrogenase iron-sulfur subunit	2464400			9567.7	879940	788100	786740
SDHD	SALTY	sdhA	D-serine dehydratase	266120				60232	133490	72396
SECA	SALTY	secA	Protein translocase subunit SecA	8031100		107880		2666600	2771600	2485000
SECB	SALTY	secB	Protein-export protein SecB	2101700				800890	515720	785130
SECE	SALTY	secE	Protein translocase subunit SecE	2036000				627750	723960	684270
SELD	SALTY	selD	Selenide, water dikinase	318760				258370		60389
SEQA	SALTY	seqA	Negative modulator of initiation of replication	212290				60383	72401	79510
SERC	SALTY	serC	Phosphoserine aminotransferase	147970				47312	59545	41110
SICA	SALTY	sicA	Chaperone protein SicA	603980				307550	108670	187770
SIFA	SALTY	sifA	Secreted effector protein SifA	77787				28452	24326	25009
SIGE	SALTY	sigE	Chaperone protein SigE	10243000	158390	149620	201390	2993400	4528200	2211600
SINR	SALTY	sinR	Probable HTH-type transcriptional regulator SinR	266720				44045	82080	140600
SIPA	SALTY	sipA	Cell invasion protein SipA	2921800	639.97		4656.9	904580	786580	1225300
SIPB	SALTY	sipB	Cell invasion protein SipB	3132300	114510	1707.8	3062.9	1079900	828180	1105000
SIPC	SALTY	sipC	Cell invasion protein SipC	43680000	235440	147310	185220	15291000	9926300	17895000
SIPD	SALTY	sipD	Cell invasion protein SipD	379630				86047	69363	224220
SLT	SALTY	slt	Soluble lytic murein transglycosylase	472610				193420	150870	128310
SLYA	SALTY	slyA	Transcriptional regulator SlyA	2322800				1540900	420250	361650
SLYB	SALTY	slyB	Outer membrane lipoprotein SlyB	37080000		103830	520060	9423500	11140000	15893000
SODC	SALTY	sodC	Superoxide dismutase [Cu-Zn] 2	366220				120960	117350	127910
SODC1	SALTY	sodC1	Superoxide dismutase [Cu-Zn] 1	999310		63478		316430	317400	302010
SODF	SALTY	sodB	Superoxide dismutase [Fe]	46380000	648920	820800	272260	25349000	8244600	11044000
SOPA	SALTY	sopA	E3 ubiquitin-protein ligase SopA	202550				120920	41482	40154
SOPB	SALTY	sopB	Inositol phosphate phosphatase SopB	25514000		7261.5	10244	11543000	7849400	6103900
SOPD	SALTY	sopD	Secreted effector protein SopD	1731200	19018	19567	23362	584530	607090	477640
SOPD2	SALTY	sopD2	Secreted effector protein sopD2	3515600	3824.7			1290800	902990	1317900
SOPE	SALTM	sopE	Guanine nucleotide exchange factor SopE	19967000	22086			6057400	6701500	7186100
SOPE2	SALTY	sopE2	Guanine nucleotide exchange factor sopE2	4174700	7399.2	7909.5		1431100	1210400	1517900
SPAK	SALTY	spaK	Surface presentation of antigens protein SpaK	50323000		303160	484780	15305000	12152000	22078000
SPAL	SALTY	spaL	Probable ATP synthase SpaL	6221700	6707.5	17582		1955000	1954700	2287800
SPAO	SALTY	spaO	Surface presentation of antigens protein SpaO	8956400	33236	39190	92976	4310400	2548200	1932400
SPAP	SALTY	spaP	Surface presentation of antigens protein SpaP	4732600				1423700	1383400	1925500

SPAQ SALTY	spaQ	Surface presentation of antigens protein SpaQ	7773000				2458800	1322500	3991800
SPEA SALTY	speA	Biosynthetic arginine decarboxylase	4341200		12456		1019300	1535400	1774200
SPEB SALTY	speB	Agmatinase	1001700				439860	289090	272690
SPEE SALTY	speE	Polyamine aminopropyltransferase	272170		60291		211880		
SPIA SALTY	spiA	Type III secretion system outer membrane protein SpiA	2260700				850870	673730	736140
SPTP SALTY	sptP	Secreted effector protein SptP	1325300				519580	282740	522990
SRA SALTY	sra	Stationary-phase-induced ribosome-associated protein	2106400				649100	657240	800120
SSAJ SALTY	ssaJ	Secretion system apparatus lipoprotein SsaJ	1460000	400370	479830	579810			
SSAK SALTY	ssaK	Secretion system apparatus protein SsaK	4636600				1021500	2600300	1014800
SSAL SALTY	ssaL	Secretion system apparatus protein SsaL	3080400				1042300	999520	1038600
SSAN SALTY	ssaN	Probable secretion system apparatus ATP synthase SsaN	4610000				1783200	1255100	1571700
SSAO SALTY	ssaO	Secretion system apparatus protein SsaO	941270				373050	286370	281860
SSEA SALTY	sseA	Type III secretion system chaperone SseA	3294300				1677000	1081900	535350
SSEB SALTY	sseB	Secreted effector protein SseB	161550	8946	16708	15313		71563	49024
SSEC SALTY	sseC	Secreted effector protein SseC	1415300				551420	441310	422530
SSEJ SALTY	sseJ	Secreted effector protein SseJ	552520				129450	223770	199300
SSRP SALTY	smpB	SsrA-binding protein	8284400		6057.8		2693300	2576800	3008200
STEC SALTY	steC	Secreted effector kinase SteC	2785300				960340	1007000	817980
STHA SALTY	sthA	Soluble pyridine nucleotide transhydrogenase	3958700	10805	76428	8411.5	1362900	1159900	1340300
STPA SALTY	stpA	DNA-binding protein StpA	1529200		379710	956010	45952	74493	73071
SUCC SALTY	sucC	Succinate--CoA ligase [ADP-forming] subunit beta	24094000	197070	248140	249180	7650100	7350800	8399100
SUFS SALTY	sufS	Cysteine desulfurase	521480				71419	96435	353630
SUHB SALTY	suhB	Inositol-1-monophosphatase	551530				181650	154420	215460
SYA SALTY	alaS	Alanine--tRNA ligase	9602000				3050600	3138700	3412700
SYC SALTY	cysS	Cysteine--tRNA ligase	2317600				1019400	624930	673290
SYD SALTY	aspS	Aspartate--tRNA ligase	16240000		9668.6	7558.2	6053400	5758200	4411400
SYE SALTY	gltX	Glutamate--tRNA ligase	1007400				343320	329480	334570
SYFA SALTY	pheS	Phenylalanine--tRNA ligase alpha subunit	1481200	23472	33805	43800	448020	445040	487020
SYFB SALTY	pheT	Phenylalanine--tRNA ligase beta subunit	1730000		3402.9	2579.9	575460	588460	560130
SYGA SALTY	glyQ	Glycine--tRNA ligase alpha subunit	1005500				374550	328840	302130
SYGB SALTY	glyS	Glycine--tRNA ligase beta subunit	3773400				1769100	942050	1062200
SYH SALTY	hisS	Histidine--tRNA ligase	2820100		7461.6	6520.3	914700	809760	1081700
SYI SALTY	ileS	Isoleucine--tRNA ligase	8630900	38036	14048	5582.6	2822200	2484100	3267000
SYK1 SALTY	lysS	Lysine--tRNA ligase	55347000	75013	125500	51788	16768000	18037000	20289000
SYL SALTY	leuS	Leucine--tRNA ligase	6359900			6067.9	1806900	1689100	2857900
SYM SALTY	metG	Methionine--tRNA ligase	4773900	1299.8			2157400	1392700	1222500
SYN SALTY	asnS	Asparagine--tRNA ligase	17001000	61010	28876	145480	5417400	6474300	4874000
SYQ SALTY	glnS	Glutamine--tRNA ligase	1347500			13077	417410	371990	545040
SYR SALTY	argS	Arginine--tRNA ligase	4914400				1788400	1247400	1878600

SYS SALTY	serS	Serine--tRNA ligase	626290				186980	167130	272180
SYT SALTY	thrS	Threonine--tRNA ligase	16772000	30311	16452	51111	6234100	4340000	6100000
SYV SALTY	valS	Valine--tRNA ligase	9042100	955110	917380	1256200	2370100	1680000	1863300
YYY SALTY	tyrS	Tyrosine--tRNA ligase	6412900				2328200	2689300	1395400
T3MO SALTY	mod	Type III restriction-modification system StyLTI enzyme mod	1433900				438390	303480	692060
T3RE SALTY	res	Type III restriction-modification system StyLTI enzyme res	343950				111540	92751	139660
TALA SALTY	talA	Transaldolase A	8545400	3980.6	8060.2	8962	2150100	2372100	4002200
TALB SALTY	talB	Transaldolase B	12723000	30404	20443	13593	3827400	4847500	3984000
TAMA SALTS	tamA	Translocation and assembly module subunit TamA	570480				201330	172670	196490
TAMB SALTS	tamB	Translocation and assembly module subunit TamB	99237				52578	27685	18975
TDH SALTY	tdh	L-threonine 3-dehydrogenase	5081600		3252.8		2265200	1740900	1072300
THIK SALTY	thiK	Thiamine kinase							
THIO SALTY	trxA	Thioredoxin 1	1321100				448470	452400	420260
TIG SALTY	tig	Trigger factor	545880	26135		22720	191700	161960	143370
TILS SALTY	tilS	tRNA(Ile)-lysidine synthase	81593				12806	33148	35639
TOLB SALTY	tolB	Protein TolB	773940				107650	101520	564770
TOP1 SALTY	topA	DNA topoisomerase 1	1762800				797920	476800	488060
TPIS SALTY	tpiA	Triosephosphate isomerase	20702000	7015600	5234200	17802	2078200	1819500	4536900
TPX SALTY	tpx	Thiol peroxidase	7569400				2194700	2657200	2717500
TRAT SALTM	traT	TraT complement resistance protein	18035000		29806		5628600	6707300	5669100
TREA SALTY	treA	Periplasmic trehalase	1439600				513040	406360	520200
TREF SALTY	treF	Cytoplasmic trehalase	36312				12834	11628	11851
TRER SALTY	treR	HTH-type transcriptional regulator TreR	118380		23518	19580	24554	28259	22469
TRPB SALTY	trpB	Tryptophan synthase beta chain	324080		77428	73872	67086	52143	53547
TRPE SALTY	trpE	Anthranilate synthase component 1	1359100	424170	533920	401030			
TRUA SALTY	truA	tRNA pseudouridine synthase A	264060				110460	69475	84119
TRUD SALTY	truD	tRNA pseudouridine synthase D	77723					38659	39063
TSGA SALTY	tsgA	Protein TsgA	159380					75758	83625
TSX SALTY	tsx	Nucleoside-specific channel-forming protein Tsx	2153900				558440	720450	875050
TYRB SALTY	tyrB	Aromatic-amino-acid aminotransferase	639100					259100	379990
TYRR SALTY	tyrR	Transcriptional regulatory protein TyrR	3129100				1038700	1011900	1078500
TYSY SALTY	thyA	Thymidylate synthase	2044200				795140	620660	628360
UBIB SALTY	ubiB	Probable protein kinase UbiB	956560				423830	161550	371180
UBID SALTY	ubiD	3-octaprenyl-4-hydroxybenzoate carboxy-lyase	2901300	722190	811690	667270	170690	53672	475820
UBIE SALTY	ubiE	Ubiquinone/menaquinone biosynthesis C-methyltransferase UbiE	85097						85097
UCPA SALTY	ucpA	Oxidoreductase UcpA	1100500				261920	437000	401630
UDP SALTY	udp	Uridine phosphorylase	21639000	255220	118820	266420	7516900	6151400	7330700
UGPB SALTY	ugpB	sn-glycerol-3-phosphate-binding periplasmic protein UgpB	683020				250920	236690	195410
UGPC SALTY	ugpC	sn-glycerol-3-phosphate import ATP-binding protein UgpC	181380				110080	71298	

UPP SALTY	upp	Uracil phosphoribosyltransferase	272620				62830		209790
USPA SALTY	uspA	Universal stress protein A	7131400	12308		59419	1613100	3877100	1569400
USPE SALTY	uspE	Universal stress protein E	673080				169750	163540	339790
USPF SALTY	uspF	Universal stress protein F	1591400				13133	877040	701250
USPG SALTY	uspG	Universal stress protein G	1594100		42921		438500	426460	686180
UVRA SALTY	uvrA	UvrABC system protein A	1828100				764470	564600	499050
UVRB SALTY	uvrB	UvrABC system protein B	362320				86655	79886	195780
UVRC SALTY	uvrC	UvrABC system protein C	747110				275680	242200	229240
UVRD SALTY	uvrD	DNA helicase II	280530				79454	124790	76290
UXAC SALTY	uxaC	Uronate isomerase	929670				315980	282490	331200
VIAA SALTY	viaA	Protein ViaA							
VIR17 SALTY		Virulence protein STM3117							
WECC SALTY	wecC	UDP-N-acetyl-D-mannosamine dehydrogenase	143350	11310			89946		42095
WECF SALTY	wecF	TDP-N-acetylfucosamine:lipid II N-acetylfucosaminyltransferase	137280				50647	60080	26556
WECG SALTY	wecG	UDP-N-acetyl-D-mannosaminuronic acid transferase	914120				332310	285180	296620
XGPT SALTY	gpt	Xanthine phosphoribosyltransferase	399160				218280		180880
YAEH SALTY	yaeH	UPF0325 protein YaeH	6642500		43542	36595	1671300	1963500	2927600
YBGS SALTY	ybgS	Uncharacterized protein YbgS	8241400				2420300	2749700	3071400
YBJQ SALTY	ybjQ	UPF0145 protein YbjQ	3071900	947650	1021500	579080	161030	362670	
YCDX SALTY	ycdX	Probable phosphatase YcdX	81045				26155	27236	27653
YCFP SALTY	ycfP	UPF0227 protein YcfP	1100200				248050	683850	168330
YCGR SALTY	ycgR	Flagellar brake protein YcgR	1273100				632860	321270	319010
YCIA SALTY	yciA	Acyl-CoA thioester hydrolase YciA	265230				86551	91902	86782
YCJF SALTY	ycjF	UPF0283 membrane protein YcjF	1367200				318990	460750	587410
YDIB SALTY	ydiB	Quinate/shikimate dehydrogenase							
YEAD SALTY	yeaD	Putative glucose-6-phosphate 1-epimerase	308650				72111	195520	41014
YEAH SALTY	yeaH	UPF0229 protein YeaH	2264900				953160	972600	339160
YEEX SALTY	yeeX	UPF0265 protein YeeX	192320					66776	125540
YFBU SALTY	yfbU	UPF0304 protein YfbU	5132200		71903		1016000	1877700	2166600
YFCD SALTY	yfcD	Uncharacterized Nudix hydrolase YfcD	188140				58405	68994	60737
YGFZ SALTY	ygfZ	tRNA-modifying protein YgfZ	4176700			10847	1760600	1145500	1259900
YIDC SALTY	yidC	Membrane protein insertase YidC	2083100	2648.1	6155		692540	617900	763870
YIFL SALTY	yifL	Uncharacterized lipoprotein YifL	139470	19605	36683	47427		17805	17948
YIIZ SALTY	yiiZ	Uncharacterized protein YiiZ	133480	133480					
YBJJ SALTY	ybjJ	UPF0337 protein YbjJ	1574000				564840	534600	474600
YJHX SALTY	yjhX	UPF0386 protein YjhX	175760				44232	87923	43601
YQFB SALTY	yqfB	UPF0267 protein YqfB	192930				35774	74175	82978
ZAPB SALTY	zapB	Cell division protein ZapB	976870				387560	334710	254610
ZAPD SALTY	zapD	Cell division protein ZapD							

ZIPA_SALTY	zipA	Cell division protein ZipA	369350	11922			115980	120270	121180
ZRAR_SALTY	zraR	Transcriptional regulatory protein ZraR	55267				37103	18164	