Table S1 (Malmström et al)

Protein description	Acc	Gene	u_pep	seq_cov	TH	1%	5%	10%	20%
Reduced									
3-oxoacyl-[acyl-carrier-protein] synthase 2	SPy1748	fabF	22	83%	3.4E+08	2.9E+08	1.2E+08	1.7E+07	5.9E+05
3-oxoacyl-[acyl-carrier protein] reductase	SPy1749	fabG	11	45%	7.5E+07	5.4E+07	3.8E+07	4.6E+06	6.0E+05
Malonyl-CoA-[acyl-carrier-protein] transacylase	SPy1750	fabD	17	57%	6.3E+07	6.7E+07	4.0E+07	0.0E+00	1.9E+06
Enoyl-[acyl-carrier protein] reductase	SPy1751	fabK	8	40%	3.1E+07	2.5E+07	1.9E+07	5.4E+05	1.7E+06
GTP-binding protein Era	SPy0476		3	19%	5.5E+06	1.4E+06	1.7E+06	1.2E+06	3.1E+05
Glycine betaine transport ATP-binding protein	SPy0183	opuAA	5	24%	1.1E+07	8.1E+06	8.5E+06	4.6E+06	6.8E+05
Peptide chain release factor 3	SPy1416	prfC	8	21%	1.2E+07	7.2E+06	4.6E+06	1.5E+06	8.8E+05
ABC transporter 2C ATP-binding protein	SPy1729		3	18%	3.4E+06	2.0E+06	5.5E+06	1.3E+06	3.5E+05
Topoisomerase IV subunit A	SPy0910	parC	7	13%	5.2E+06	1.8E+06	4.1E+06	1.2E+06	5.8E+05
GTP cyclohydrolase I (EC 3.5.4.16) type 1	SPy1097	folE	4	27%	6.7E+06	4.0E+06	2.1E+06	2.0E+06	8.1E+05
Translation initiation factor 2	SPy1721	infB	16	27%	3.5E+07	2.5E+07	1.3E+07	1.2E+07	4.4E+06
Glutamine ABC transporter 2C glutamine-binding protein	SPy1315		24	39%	9.5E+07	9.6E+07	7.0E+07	4.0E+07	1.3E+07
Phosphate transport system regulatory protein PhoU	SPy1240	phoU	5	30%	1.2E+07	4.6E+06	3.0E+06	2.0E+06	1.6E+06
N-acetylglucosamine-1-phosphate uridyltransferase	SPy0443	gcaD	8	18%	1.4E+07	3.0E+06	5.2E+06	7.7E+05	1.9E+06
DNA binding protein starved cells-like peroxide resistance protein	SPy1531		11	66%	5.2E+08	3.8E+08	2.2E+08	3.4E+08	7.2E+07
Biotin carboxylase of acetyl-CoA carboxylase	SPy1745	accC	10	41%	3.1E+07	1.5E+07	2.0E+07	2.8E+05	4.2E+06
Catabolite control protein A	SPy0514	ccpA	8	38%	7.4E+06	4.3E+06	5.1E+06	2.5E+06	1.0E+06
Glutamine transport ATP-binding protein glnQ	SPy1316		10	52%	6.3E+07	5.3E+07	5.2E+07	2.7E+07	9.3E+06
hypothetical protein	SPy1264		3	15%	6.8E+06	7.2E+06	7.3E+06	5.3E+06	1.0E+06
S-adenosylmethionine synthetase	SPy1359	metK	5	21%	1.4E+07	1.0E+07	6.7E+06	6.7E+06	2.2E+06
Increaesd									
ATP-dependent RNA helicase 2C DEAD 2FDEAH box family	SPy1369	deaD2	1	7%	3.6E+05	2.0E+06	2.5E+06	1.6E+06	2.9E+06
Dihydroorotate dehydrogenase 2C catalytic subunit	SPy1432	pyrD	24	76%	7.9E+07	3.8E+07	2.1E+08	2.7E+08	5.5E+08
Ribonuclease R	SPy0503		11	21%	2.1E+06	1.7E+06	1.8E+06	6.7E+06	1.1E+07
Orotidine 5'-phosphate decarboxylase	SPy0900	pyrF	17	77%	1.5E+07	3.8E+06	1.5E+07	5.0E+07	6.8E+07
Deoxyguanosinetriphosphate triphosphohydrolase	SPy0621		2	9%	3.1E+05	5.1E+05	7.9E+05	8.4E+05	1.4E+06
Peptidoglycan N-acetylglucosamine deacetylase (EC 3.5.1.-)	SPy1370		6	24%	1.9E+06	1.3E+06	2.6E+06	4.1E+06	8.2E+06
hypothetical protein	SPy2034		3	44%	3.2E+05	2.5E+05	1.0E+06	1.1E+06	1.2E+06
Putative cell-cycle regulation histidine triad (HIT) protein	SPy1730		5	79%	3.1E+06	4.0E+06	8.8E+06	9.9E+06	1.1E+07
Orotate phosphoribosyltransferase	SPy0901	pyrE	10	70%	1.7E+07	3.9E+06	2.8E+07	5.6E+07	5.9E+07
Heat shock protein GrpE	SPy1761	grpE	6	48%	1.5E+07	3.4E+06	9.4E+06	2.6E+07	5.0E+07
hypothetical protein	SPy1508		1	22%	1.4E+06	3.6E+06	4.0E+06	3.3E+06	4.4E+06
Heat shock protein 60 family co-chaperone GroES	SPy2072	groES	8	96%	9.1E+07	8.7E+07	8.1E+07	1.8E+08	2.4E+08
SSU ribosomal protein S10p (S20e)	SPy0047	rpsJ	7	53%	1.9E+08	4.2E+08	1.6E+08	3.5E+08	4.6E+08
C3-degrading proteinase	SPy1851		9	39%	1.1E+07	6.8E+06	1.6E+07	3.2E+07	2.7E+07
LSU ribosomal protein L15p (L27Ae)	SPy0072	rplO	7	48%	1.6E+08	4.5E+08	3.7E+08	5.0E+08	3.8E+08
Neutral endopeptidase O	SPy2095	pepO	29	49%	1.4E+08	2.0E+08	2.4E+08	3.0E+08	3.0E+08
Xanthine phosphoribosyltransferase	SPy1136		3	23%	9.1E+05	0.0E+00	1.6E+06	2.4E+06	1.9E+06
SSU ribosomal protein S18p	SPy1829	rpsR	7	30%	4.8E+07	7.6E+07	8.5E+07	1.1E+08	9.2E+07
Ribosylhomocysteinase (EC 3.2.1.148)	SPy1642	luxS	3	36%	4.4E+06	5.8E+06	4.8E+06	7.0E+06	8.4E+06
Transcriptional regulator 2C repressor of the glutamine synthetase	SPy1878		6	67%	7.6E+06	4.2E+06	4.0E+06	7.4E+06	1.4E+07
No detectable levels in 20%									
D-alanine--poly(phosphoribitol) ligase subunit 2	SPy1310	dltC	1	14%	2.6E+06	1.8E+06	3.5E+05	0.0E+00	0.0E+00
Spermidine Putrescine transport ATP-binding protein	SPy1102	potA	1	4%	1.4E+06	1.2E+06	8.5E+05	0.0E+00	0.0E+00
(3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase	SPy1746	fabZ	4	28%	6.4E+06	3.5E+06	1.0E+06	0.0E+00	0.0E+00
ABC transporter ATP-binding protein	SPy1674		1	5%	1.4E+06	1.5E+06	1.3E+06	9.2E+05	0.0E+00
L-proline Glycine Betaine ABC transport system permease protein proW	SPy0184	opuABC	4	10%	6.0E+06	7.2E+06	4.3E+06	9.6E+05	0.0E+00
UDP-N-acetylmuramoylalanine--D-glutamate ligase	SPy1525	murD	3	16%	3.8E+06	2.0E+06	2.9E+06	1.1E+06	0.0E+00
Integral membrane protein	SPy1828		2	17%	3.6E+06	3.1E+06	3.2E+06	2.1E+06	0.0E+00
Hydrolase (HAD superfamily)	SPy1633		8	24%	3.7E+06	1.8E+06	2.1E+06	5.3E+05	0.0E+00
PTS system 2C mannose 2Ffructose family IIB component	SPy1058		4	47%	6.0E+06	7.5E+06	2.4E+06	6.5E+05	0.0E+00
3-oxoacyl-[acyl-carrier-protein] synthase 3	SPy1754	fabH	3	22%	5.3E+06	4.8E+06	2.7E+06	1.1E+06	0.0E+00
No detectable levels in TH									
Hyaluronan synthase	SPy2200	hasA	3	10%	0.0E+00	0.0E+00	0.0E+00	2.9E+06	5.8E+06
Hypothetical protein	SPy2060		2	27%	0.0E+00	0.0E+00	7.0E+05	9.9E+05	3.7E+06
Streptokinase	SPy1979	ska	1	5%	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.0E+06
SSE esterase (nmpd||	SPy1718	sse	3	21%	0.0E+00	0.0E+00	0.0E+00	5.9E+05	2.5E+06
Peptide methionine sulfoxide reductase	SPy0466	msrA.2	1	16%	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+06
L-asparaginase	SPy1782	asnB	1	7%	0.0E+00	0.0E+00	0.0E+00	8.1E+05	7.7E+05
hypothetical protein	SPy1875		1	21%	0.0E+00	0.0E+00	0.0E+00	0.0E+00	6.7E+05
Hypothetical protein	SPy0864		2	37%	0.0E+00	0.0E+00	0.0E+00	0.0E+00	4.7E+05
Phosphate starvation-inducible protein PhoH 2C predicted ATPase	SPy0471	phoH	2	9%	0.0E+00	0.0E+00	0.0E+00	3.6E+05	3.7E+05
Putative regulator of the mannose operon 2C ManO	SPy1741		2	20%	0.0E+00	0.0E+00	0.0E+00	3.2E+05	2.3E+05

n_u_pep, number of unique peptides; seq_cov, sequence coverage

Table S2 (related to Figure 1)

Protein description (acc)	n_u_pep	seq_cov	0p (avg)	0p (stdev)	0p (n)	0p (pep)	1p (avg)	1p (stdev)	1p (n)	1p (pep)	5p (avg)	5p (stdev)	5p (n)	5p (pep)	10p (avg)	10p (stdev)	10p (n)	10p (pep)	20p (avg)	20p (stdev)	20p (n)	20p (pep)	fdr_1p	fdr_5p
Translation elongation factor Tu (nmpd|SPy0611|tufA; 514830)	74	0.899497487	6726781429	341305037.2	2	121	6267625854	84446643.03	2	117	5878716237	19949958.56	2	104	6382516188	359420631.2	2	109	5499006000	34821513.52	2	100	1	1
Streptococcal Enolase (EC 4.2.1.11) (SEN), plasmin(ogen) binding (nmpd|SPy0731|eno; 514851)	73	0.935632184	8416152678	205698843	2	104	7471156116	384301799.3	2	112	7997244873	90870784.73	2	97	7670483157	27552017.16	2	98	6346764569	112631984.4	2	88	1	1
Translation elongation factor G (nmpd|SPy0273|; 324985)	73	0.822254335	1683373210	166901261.2	2	122	1308952820	82547726.19	2	119	1363331047	92751979.42	2	99	1258065014	52789022.75	2	106	841951718.4	73560695.02	2	86	1	1
Chaperone protein DnaK (nmpd|SPy1760|dnaK; 326211)	60	0.845394737	1167291698	81672152.7	2	95	1044240765	14172708.29	2	93	953079005.7	38400967.59	2	83	1310462292	3366784.563	2	93	1187368072	42156871.16	2	84	1	1
NAD-dependent glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), Plasmin(ogen) receptor (nmpd|SPy0274|gapA, plr; 515131)	58	0.916666667	11918193621	595941925.9	2	88	11459320651	857508194.1	2	95	10341021621	442268570.9	2	86	9539772627	983495751	2	88	8722819795	330111651.5	2	79	1	1
DNA-directed RNA polymerase beta' subunit (EC 2.7.7.6) (nmpd|SPy0099|rpoC; 515092)	58	0.561417972	267908056.8	14649883.2	2	94	262975997	14682337.21	2	92	213227013.3	15681783.56	2	93	210478455.8	36372791.6	2	93	146930788.5	39353771.23	2	84	1	1
Pyruvate kinase (EC 2.7.1.40) (nmpd|SPy1282|; 514907)	57	0.908	2647573906	60634845.14	2	92	2091377949	20338906.61	2	87	2274859879	175376715.8	2	80	1807954808	121934817.1	2	80	1472803862	231240841.4	2	72	1	1
Non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase (NADP) (EC 1.2.1.9) (nmpd|SPy1371|gapN; 515146)	51	0.892631579	3794819768	79892451.98	2	76	3715701088	267272781.1	2	79	3110669479	100435819.2	2	67	1843358341	113131012.3	2	66	1230384360	79433342.34	2	61	1	1
Phosphoglycerate kinase (EC 2.7.2.3) (nmpd|SPy1881|; 326326)	50	0.909547739	2006212576	187822045	2	74	2013785647	120965631.1	2	80	1851047485	105828646.9	2	71	1684775925	133945550.8	2	74	1411869765	115845525.4	2	70	1	1
DNA-directed RNA polymerase beta subunit (EC 2.7.7.6) (nmpd|SPy0098|rpoB; 515076)	50	0.583333333	278375566.9	20114922.6	2	68	257027045.1	15197127.68	2	67	225178570.2	12960261.42	2	65	205561322.3	8364712.359	2	67	146278409.4	50293249.34	2	59	1	1
SSU ribosomal protein S1p (nmpd|SPy0913|; 325451)	41	0.680798005	1528764500	122079356.2	2	50	1493284643	170452459.4	2	57	970580041	20042168.09	2	50	969895387.9	115809962.3	2	51	796835718	30604674.99	2	59	1	1
Transketolase (EC 2.2.1.1) (nmpd|SPy1676|; 515490)	39	0.784810127	445059815.4	55005270.5	2	70	352182608.7	737319.7005	2	71	347402717.5	51554314.48	2	70	298293595.3	42709930.53	2	71	233969052.4	80021223.14	2	66	1	1
Inosine-5'-monophosphate dehydrogenase (EC 1.1.1.205) (nmpd|SPy2206|guaB; 326589)	38	0.843813387	616110534.4	15181574.22	2	57	499329591.7	18590328.75	2	55	528521302.4	17963818.65	2	60	357356309.8	93716959.74	2	53	385714192.5	33901831.4	2	56	1	1
Heat shock protein 60 family chaperone GroEL (nmpd|SPy2070|groEL; 515098)	34	0.773480663	718419045.1	77427520.81	2	56	591641901	104878998.5	2	56	490650926.3	16919691.25	2	55	835371922.9	57238022.83	2	59	955242723.6	64557235.25	2	58	1	1
LSU ribosomal protein L2p (L8e) (nmpd|SPy0052|rplB; 324818)	33	0.700361011	1353771129	58585950.64	2	46	1243197999	136946693.8	2	51	987747565.7	119345340.5	2	51	1135307516	94547551.65	2	51	924951989	331446792	2	52	1	1
Prolyl-tRNA synthetase (EC 6.1.1.15) (nmpd|SPy1962|proS; 514848)	32	0.644012945	130790041.9	38171217.57	2	51	124128580.8	20652626.34	2	56	119894894.1	5683046.128	2	55	83285734.33	17915261.81	2	53	72426077.83	15537515.53	2	46	1	1
SSU ribosomal protein S4p (S9e) (nmpd|SPy2178|rpsD; 326565)	31	0.852216749	992050222.3	292409304	2	37	1060021694	102666635	2	47	748605779.8	17313337.26	2	43	756179142.9	231974430.1	2	40	600340618.3	279245293.4	2	40	1	1
Pyruvate formate-lyase 3B Formate acetyltransferase (EC 2.3.1.54) (nmpd|SPy1849|; 515161)	31	0.676129032	191940564.4	1192870.369	2	45	150779054.2	8770536.235	2	47	119537928.5	2766522.235	2	41	114656144.1	14099370.34	2	42	97148513.48	11371684.42	2	39	1	1
GMP synthase 5Bglutamine-hydrolyzing 5D (EC 6.3.5.2) (nmpd|SPy1204|guaA; 515215)	31	0.753846154	163960965.8	20720878.99	2	44	128531304.5	8881178.144	2	47	174126928.1	3152884.058	2	48	144233210.9	20152235.62	2	47	116097057	20747640.52	2	46	1	1
Carbamoyl-phosphate synthase large chain (EC 6.3.5.5) (nmpd|SPy0835|carB; 515170)	31	0.40831758	47687887.93	1874054.633	2	41	13071527.37	3287145.304	2	21	55842027.73	12233439.08	2	47	65671183.65	14701239.94	2	48	30707575.72	3951105.846	2	31	1	1
Adenylosuccinate synthetase (EC 6.3.4.4) (nmpd|SPy0160|purA; 515275)	31	0.695348837	206909452.2	17600780.37	2	53	191081018.6	5818796.135	2	55	182470075.7	28838914.36	2	49	158592515.4	10382915.86	2	52	108968130.6	8268561.631	2	40	1	1
Phosphoenolpyruvate-protein phosphotransferase of PTS system (EC 2.7.3.9) (nmpd|SPy1372|pstI; 325813)	30	0.625649913	319453271.7	72610086.7	2	43	279122326.6	23199026.31	2	47	369423099.6	37269103.96	2	48	315935177.3	23622618.19	2	46	330788541.6	24901470.48	2	45	1	1
Neutral endopeptidase O (EC 3.4.24.-) (nmpd|SPy2095|pepO; 515056)	29	0.492868463	140200062.5	3098881.419	2	46	199362549.1	17275170.92	2	50	240251590.3	2998223.109	2	48	297673545.5	2788898.749	2	50	300810335.8	7429240.048	2	52	1	1
Isoleucyl-tRNA synthetase (EC 6.1.1.5) (nmpd|SPy1513|ileS; 514973)	29	0.430868167	146176870.1	15792871.83	2	48	142149153.8	12588241.75	2	47	138165135.4	12664811.64	2	46	97739277.4	21135836.47	2	43	83778753.29	19560895.16	2	43	1	1
Phosphoglucomutase (EC 5.4.2.2) (nmpd|SPy1224|pgmA; 515004)	29	0.706293706	129087744.1	9287281.75	2	49	110365834.2	3386806.698	2	42	118162847.1	4342147.75	2	46	119778254.7	17586164.98	2	42	118018516.4	15617485.06	2	39	1	1
L-lactate dehydrogenase (EC 1.1.1.27) (nmpd|SPy1151|ldh; 325588)	29	0.541284404	380821453.9	34028607.96	2	41	309684417	42185261.4	2	41	248039338.5	28873122.1	2	36	192359094.8	26821117.26	2	36	149790520.6	61250668.05	2	30	1	1
Glucose-6-phosphate isomerase (EC 5.3.1.9) (nmpd|SPy0215|pgi; 515686)	29	0.714922049	437982767.1	36365720.83	2	39	402496855.7	40457650.91	2	38	470137639.4	34798133.11	2	39	458965411.5	9052747.969	2	40	428483575.1	57605980.95	2	39	1	1
DNA-directed RNA polymerase alpha subunit (EC 2.7.7.6) (nmpd|SPy0080|rpoA; 324841)	29	0.695512821	243815782.9	31044004.46	2	41	202984793.7	3303567.191	2	42	204974737.1	26789082.35	2	38	209265798.2	18854958.24	2	43	166323324	18226128.1	2	38	1	1
LSU ribosomal protein L5p (L11e) (nmpd|SPy0063|rplE; 324827)	27	0.833333333	1201747942	55959960.13	2	52	1094471624	17154926.52	2	52	943415340.8	133085024.8	2	47	896060200.3	206266038.6	2	48	759540031.5	22138159.89	2	43	1	1
SSU ribosomal protein S2p (SAe) (nmpd|SPy2092|rpsB; 514829)	26	0.666666667	737477855.8	96400035.52	2	41	698854047.8	65492985.14	2	43	565664308.9	71375471.15	2	41	559419582.7	21932000.9	2	44	448970494.6	17881864.74	2	42	1	1
Arginyl-tRNA synthetase (EC 6.1.1.19) (nmpd|SPy2151|argS; 515252)	26	0.580817052	109744376	29561627.79	2	43	80038771.05	523404.1709	2	39	97116569.13	15811712.46	2	42	61702555.46	5964985.136	2	33	34798227.76	1992119.818	2	22	1	1
Protein export cytoplasm protein SecA ATPase RNA helicase (TC 3.A.5.1.1) (nmpd|SPy1805|secA; 514999)	26	0.405244338	105631061.3	27320457.5	2	48	68719762.71	2273769.96	2	43	65349662.32	15459474.6	2	45	50978688.88	14320580.92	2	38	41177786.36	5547499.792	2	36	1	1
Phosphoglycerate mutase (EC 5.4.2.1) (nmpd|SPy1429|gpmA; 514982)	26	0.640692641	718731428.9	47981882.94	2	34	592554192.6	34587728.35	2	32	575058631.9	18831151.96	2	34	560149303.1	26957416.18	2	31	441101900.7	94240760.18	2	35	1	1
Lysyl-aminopeptidase 3B aminopeptidase N (EC 3.4.11.2) (nmpd|SPy1239|pepN; 515921)	26	0.397633136	70560895.27	26339916.53	2	33	55001456.61	156089.8374	2	29	69895169.01	588567.2866	2	34	39459376.41	2866924.719	2	24	30692708.93	6317146.415	2	26	1	1
NADH oxidase H2O-forming (EC 1.6.-.-) (nmpd|SPy1150|; 514831)	26	0.73245614	236953920.2	9228314.997	2	40	272024015.3	19305144.26	2	45	245490801.2	15411717	2	43	188184072.6	6223266.078	2	39	157949434.6	20959657.58	2	41	1	1
Lysyl-tRNA synthetase (class II) (EC 6.1.1.6) (nmpd|SPy0595|lysS; 514958)	25	0.494969819	70616156.84	10443052.91	2	38	59083040.99	4228266.443	2	35	65646604.77	4781070.092	2	39	53439801.53	351845.141	2	32	56804492.48	5815804.974	2	34	1	1
ATP synthase beta chain (EC 3.6.3.14) (nmpd|SPy0760|atpD; 515409)	24	0.771367521	115296883.6	26946312.82	2	37	117431592.2	10827512.6	2	43	106612529.6	4001949.448	2	40	76870370.93	8157784.978	2	37	63201852.68	11831436.91	2	33	1	1
ABC transporter ATP-binding protein (nmpd|SPy2210|; 326593)	24	0.54174397	113628407.4	6513642.515	2	40	87784772.49	2651697.862	2	41	86757040.18	4573149.368	2	33	72405460.85	22922493.17	2	31	36231769.52	19509944.54	2	22	1	1
Valyl-tRNA synthetase (EC 6.1.1.9) (nmpd|SPy1568|valS; 515119)	24	0.385487528	46647501.86	5213217.709	2	36	38638968.36	1124048.422	2	34	37637351.29	2773474.347	2	33	42366724.97	2741838.243	2	35	38298866.11	3518344.62	2	28	1	1
Dihydroorotate dehydrogenase 2C catalytic subunit (EC 1.3.3.1) (nmpd|SPy1432|pyrD; 514882)	24	0.758842444	79056893.45	6690871.029	2	27	38380290.82	2212237.976	2	19	210581713.9	16944837.34	2	35	269386552.6	55814741.25	2	37	551890242.1	21975132.69	2	39	1	1
Glutamine ABC transporter 2C glutamine-binding protein 2Fpermease protein (nmpd|SPy1315|; 515163)	24	0.393646409	94615084.8	20221226.31	2	39	95896021.52	3262663.834	2	38	69938794.43	3721350.892	2	34	39687807.19	7150640.847	2	30	12514717.39	381144.9605	2	18	1	1
6-phosphofructokinase (EC 2.7.1.11) (nmpd|SPy1283|pfkA; 515296)	24	0.866468843	668026410.9	35080443.31	2	36	577205886.1	10789695.99	2	33	613408213.6	28061548.77	2	39	527331241.9	66013687.41	2	37	420754331.7	418426.6534	2	35	1	1
Dihydrolipoamide dehydrogenase of acetoin dehydrogenase (EC 1.8.1.4) (nmpd|SPy1031|acoL; 515481)	24	0.477001704	191938328	15022213.75	2	42	181630780	9822924.236	2	40	122815730.4	7441402.156	2	37	98856186.86	12389539.49	2	34	45099325.04	5876595.246	2	28	1	1
Triosephosphate isomerase (EC 5.3.1.1) (nmpd|SPy0613|; 514909)	24	0.666666667	967424793.6	2815522.906	2	40	969968447.1	171344472.1	2	41	1001584819	113390135.6	2	42	713184814.5	136251579.6	2	38	589329388.5	97798388.59	2	38	1	1
Threonyl-tRNA synthetase (EC 6.1.1.3) (nmpd|SPy0517|thrS; 515655)	24	0.503863988	45114573.69	2766858.316	2	33	60392297.77	4861336.216	2	32	54063180.13	2654443.549	2	28	57534106.2	7682894.411	2	34	53237789.29	2916004.327	2	28	1	1
Cell division protein ftsH (EC 3.4.24.-) (nmpd|SPy0015|ftsH; 515099)	24	0.48861912	89361518.13	17811680.81	2	36	105410377.1	13048351.95	2	40	87980139.99	2378794.743	2	36	62031531.28	8924578.665	2	35	34795945.36	3894642.279	2	26	1	1
Translation elongation factor Ts (nmpd|SPy2093|; 514838)	23	0.676300578	944952289.7	56829465.65	2	42	860534457	20840701.26	2	41	561287588.2	43940711.63	2	33	584935002.8	76482793.14	2	37	468968144	71716452.07	2	37	1	1
Polyribonucleotide nucleotidyltransferase (EC 2.7.7.8) (nmpd|SPy1946|pnpA; 514913)	23	0.401408451	66662666.38	1685835.555	2	37	58582526.51	3289944.305	2	32	59481232.78	3700997.087	2	33	55023398.81	2720838.537	2	31	55405997.61	4937722.956	2	29	1	1
Glutamine synthetase type I (EC 6.3.1.2) (nmpd|SPy1877|glnA; 515381)	23	0.694196429	292687052.6	72640512.36	2	38	271489495.9	41675110.29	2	41	386651280.6	37376189.52	2	39	332893528.6	1703106.081	2	37	243643318.5	8676744.254	2	34	1	1
Seryl-tRNA synthetase (EC 6.1.1.11) (nmpd|SPy1742|serS; 515225)	23	0.757647059	192808642.4	10560145.4	2	41	161879041.2	15756510.44	2	41	216283016.2	19018816.57	2	43	180322167.6	12980261.2	2	39	129398978.4	8349929.346	2	39	1	1
Xaa-His dipeptidase (EC 3.4.13.3) (nmpd|SPy1070|; 514926)	23	0.729211087	128009524.9	13966408.51	2	34	136994435.1	3463441.719	2	32	171835101	10085735.83	2	33	114488850.3	10215301.29	2	31	83962469.44	4893022.27	2	29	1	1
SSU ribosomal protein S8p (S15Ae) (nmpd|SPy0065|rpsH; 324829)	22	0.833333333	589680677.9	30763580.78	2	29	538771051.7	12903076.39	2	26	450604467.7	124423388.6	2	26	460915600.1	106922830.3	2	29	389334652.9	135133228.7	2	25	1	1
Fructose-bisphosphate aldolase class II (EC 4.1.2.13) (nmpd|SPy1889|; 514890)	22	0.71331058	1727905512	72010164.2	2	35	1365811769	24519753.85	2	35	1447610796	336537.3031	2	35	1639696260	24399545.16	2	36	1465332663	58330566.53	2	28	1	1
3-oxoacyl- 5Bacyl-carrier-protein 5D synthase 2C KASII (EC 2.3.1.41) (nmpd|SPy1748|fabF; 514908)	22	0.831707317	338173153	36751371.12	2	36	288898102.9	51006292.67	2	34	122039225.7	38071935.17	2	29	17134790.28	5948880.343	2	14	587086.5355	514861.4454	2	2	1	1
Glucosamine--fructose-6-phosphate aminotransferase 5Bisomerizing 5D (EC 2.6.1.16) (nmpd|SPy1280|glmS; 514846)	22	0.610927152	84836124.27	15573828.97	2	36	84242572.16	11292579.22	2	36	73502650.45	9395428.471	2	34	59994473.83	98672.29337	2	35	22569052.46	3206860.328	2	21	1	1
Cell division trigger factor tig (nmpd|SPy1896|ropA; 514832)	21	0.569086651	159738909.1	19495394.03	2	35	201552462.5	25419173.97	2	32	267023423	11956385.11	2	33	292000500	54421430.76	2	36	244244347.2	39610776.24	2	35	1	1
Cysteine synthase (EC 2.5.1.47) (nmpd|SPy1618|cysM; 515615)	21	0.728434505	502436580.8	13521185.08	2	33	443072148.3	19037428.46	2	33	326438415.5	25086596.33	2	36	474627260.4	19669301.74	2	34	437665504.2	22891578.41	2	35	1	1
Cell division protein ftsZ (EC 3.4.24.-) (nmpd|SPy1520|ftsZ; 325989)	21	0.646924829	204088087.7	27659920.98	2	32	177338927	22109963.53	2	33	119378724.9	10978294.27	2	23	86638261.62	10711348.15	2	26	59697347.71	724296.6289	2	21	1	1
Leucyl-tRNA synthetase (EC 6.1.1.4) (nmpd|SPy0173|leuS; 515503)	21	0.388955582	50006283.09	2385891.48	2	31	46699478	1430378.925	2	29	55934141.55	11354556.36	2	31	40251695.69	12310073.97	2	28	33887193.17	22962175.46	2	23	1	1
Uracil phosphoribosyltransferase (EC 2.4.2.9) (nmpd|SPy0392|; 325072)	20	0.837320574	161817920.2	15632119.01	2	25	123607390.4	12300774.59	2	27	175405424.9	9414969.342	2	28	237686348	18369800.21	2	28	245558877.1	15291738.94	2	24	1	1
LSU ribosomal protein L6p (L9e) (nmpd|SPy0066|rplF; 324830)	20	0.578651685	800411939.1	116081250.5	2	34	913736961.5	117229428.9	2	36	638416484.6	3744404.907	2	29	608306343.4	8433662.871	2	30	570900435.9	10327390.64	2	28	1	1
SSU ribosomal protein S3p (S3e) (nmpd|SPy0056|rpsC; 324821)	20	0.6359447	311933958	23832158.2	2	31	229905404.1	37857341.56	2	33	200560795.9	26135279.36	2	34	153778595.1	9878614.756	2	30	88128448.47	27355286.37	2	26	1	1
Glycyl-tRNA synthetase beta chain (EC 6.1.1.14) (nmpd|SPy1688|glyS; 514916)	19	0.366715758	31287158.41	465607.4667	2	29	22024452.52	1190719.693	2	25	14519764.03	3995729.941	2	19	12615922.48	655290.353	2	18	7369728.435	423488.6838	2	14	1	1
Aminopeptidase C (EC 3.4.22.40) (nmpd|SPy1651|pepC; 515675)	19	0.541573034	93097653.78	19753537.99	2	25	75709666	9336605.146	2	23	91590371.17	4240163.648	2	27	93061000.74	32124041.82	2	30	98872113.66	58500305.19	2	30	1	1
Oligoendopeptidase F (nmpd|SPy0606|pepF; 514941)	19	0.427378965	61879623.39	14166404.82	2	23	56847918.81	4445800.832	2	23	55123575.78	11410126.97	2	19	46509262.52	13992331.18	2	23	21082822.94	14124272.85	2	12	1	1
Dipeptide-binding ABC transporter 2C periplasmic substrate-binding component (TC 3.A.1.5.2) (nmpd|SPy2000|dppA; 515812)	18	0.453874539	15318162.62	9040372.656	2	19	18798851.04	486182.3445	2	22	19171248.41	1902120.359	2	23	23434989.45	2586702.576	2	22	17990682.39	6611899.561	2	19	1	1
kinase related to hydroxyacetone kinase (nmpd|SPy1885|; 515380)	18	0.449458484	76172201.32	20481263.26	2	27	47357563.57	2231620.543	2	23	61686643.05	2266121.118	2	23	60653886.44	7320143.758	2	24	49979718.51	574128.5695	2	23	1	1
Alanyl-tRNA synthetase (EC 6.1.1.7) (nmpd|SPy1389|alaS; 515323)	18	0.294724771	42465842.39	213497.7317	2	22	37533437.51	2665071.256	2	21	27690530.67	5991566.474	2	20	26348376.83	3144416.667	2	17	19329282.31	12679110.85	2	17	1	1
Glutamyl-tRNA synthetase (EC 6.1.1.17) 3B Glutamyl-tRNA(Gln) synthetase (nmpd|SPy0239|gltX; 324955)	18	0.455301455	56937747.79	7803649.828	2	31	52557631.07	4058579.586	2	28	44702081.96	2293575.76	2	28	45499877.27	11936740.8	2	29	42866916.16	7512918.641	2	31	1	1
SSU ribosomal protein S13p (S18e) (nmpd|SPy0077|rpsM; 324839)	18	0.809917355	470391151.7	741059.8262	2	30	516786354.1	23328954.49	2	31	356577641.5	41119439.63	2	29	422281598.9	53040015.72	2	32	295779006.8	8141860.073	2	27	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit A (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1771|gatA; 417288)	17	0.518442623	50312034.89	2423855.728	2	30	37096516.5	6720322.329	2	27	28775904.65	1812278.94	2	25	28776963.8	10539240.97	2	24	26388359.81	18521987.95	2	23	1	1
Malonyl CoA-acyl carrier protein transacylase (EC 2.3.1.39) (nmpd|SPy1750|fabD; 514972)	17	0.567307692	63200311.7	10165430.62	2	27	66550785.23	16826957.11	2	26	39824955.35	6851927.737	2	23	0	0	0	0	1872027.491	694237.3738	2	2	1	1
DNA-binding protein HBsu (nmpd|SPy1489|hlpA; 325962)	17	0.835164835	974378870.7	24677636.05	2	22	816030539.2	194996205.2	2	24	783119166.6	21549844.66	2	23	770696672.4	3108605.316	2	23	714215118.5	38159672.79	2	23	1	1
General stress protein 2C Gls24 family (nmpd|SPy1262|; 325681)	17	0.726256983	321302727.6	156080624.2	2	28	422389087	87868137.9	2	28	323397344.6	132922487	2	27	328905577	54275271.61	2	30	103904820.3	3041283.518	2	17	1	1
DNA topoisomerase I (EC 5.99.1.2) (nmpd|SPy1164|topA; 515535)	17	0.334273625	26424222.86	3909651.134	2	20	16624902.83	171447.2793	2	14	18352222.01	2720463.931	2	15	28114563.16	2153950.721	2	20	34127722.3	4058033.972	2	23	1	1
Orotidine 5'-phosphate decarboxylase (EC 4.1.1.23) (nmpd|SPy0900|pyrF; 515506)	17	0.773913043	14950151.72	5413256.534	2	16	3840072.172	552589.8993	2	9	14689419.1	1183704.225	2	16	49761564.97	17354022.7	2	24	68258827.49	27370030.91	2	25	1	1
2-dehydropantoate 2-reductase (EC 1.1.1.169) (nmpd|SPy0852|apbA; 515255)	17	0.788273616	88746137.76	42848847.18	2	25	62466392.33	11433761.64	2	22	154851104.9	2925749.768	2	23	136537456.2	12485909.97	2	24	124080864.3	12144158.32	2	25	1	1
Manganese ABC transporter, periplasmic-binding protein SitA/MtsA (nmpd|SPy0453|mtsA; 514856)	17	0.64516129	95259325.13	27901763.38	2	23	93546034.66	1188660.696	2	25	65212434.11	2434686.385	2	23	61937563.13	12287858.66	2	20	98658459.36	27341148.04	2	24	1	1
Ribose-phosphate pyrophosphokinase (EC 2.7.6.1) (nmpd|SPy0020|prsA.2; 515259)	17	0.6125	122729891.5	5271458.286	2	27	80851836.88	7782920.246	2	23	89995283.76	12437467.47	2	24	90105859.22	2284438.238	2	25	78023247.75	20675623.1	2	23	1	1
CTP synthase (EC 6.3.4.2) (nmpd|SPy1894|pyrG; 326334)	16	0.550561798	28881023.44	5458683.701	2	24	28425866.49	851813.2878	2	21	28838135.2	3057335.123	2	25	17558427.24	2521371.133	2	21	22365539.58	4990395.882	2	24	1	1
PTS system 2C mannose-specific IIB component (EC 2.7.1.69) 2F PTS system 2C mannose-specific IIA co (nmpd|SPy1738|manL; 514902)	16	0.633333333	257214036.2	61886867.16	2	24	201571116.4	13887416.84	2	22	158023783.3	25852368.65	2	21	163102360.5	17996211.88	2	24	174105220.3	14780090.55	2	21	1	1
Translation initiation factor 2 (nmpd|SPy1721|infB; 326176)	16	0.267576076	35474006.92	9387665.284	2	25	25455890.02	2668785.579	2	24	12967492.78	4123177.087	2	15	12157359.1	4110280.107	2	17	4369301.004	4756981.727	2	9	1	1
Foldase protein prsA 1 precursor (EC 5.2.1.8) (nmpd|SPy1390|; 515468)	16	0.518518519	72239343.95	22628733.98	2	20	100627128.6	3702155.291	2	22	97143528.94	4500901.275	2	21	120993352.2	3837003.747	2	27	114376199.8	906408.3134	2	24	1	1
Lipoate-protein ligase A (nmpd|SPy1033|; 515746)	16	0.589665653	46430215.57	187730.9671	2	22	42689567.44	963753.5276	2	26	38585610.52	2186599.253	2	26	30263622.57	50860.93839	2	22	26040692.94	3327264.772	2	21	1	1
Phenylalanyl-tRNA synthetase beta chain (EC 6.1.1.20) (nmpd|SPy0769|pheT; 514836)	16	0.367041199	27027585.33	2338213.884	2	24	24636076.92	5661858.994	2	23	17110813.3	6199952.556	2	20	11302381.95	2673203.228	2	15	6674843.043	6258659.269	2	12	1	1
Methionyl-tRNA synthetase (EC 6.1.1.10) (nmpd|SPy0422|metS; 514957)	16	0.361861862	29918952.16	2078252.049	2	24	24226728.23	5269641.758	2	21	18224679.24	1981463.626	2	19	18513817.14	6244882.6	2	23	14397782.33	13113626.01	2	15	1	1
Tyrosyl-tRNA synthetase (EC 6.1.1.1) (nmpd|SPy0096|tyrS; 515444)	16	0.559808612	43369994.4	6890751.947	2	20	45605881	6063609.725	2	22	58636252.24	2768392.246	2	23	68071572.93	27793790.47	2	24	74544646.32	47663593.06	2	23	1	1
ATP synthase alpha chain (EC 3.6.3.14) (nmpd|SPy0758|atpA; 325315)	15	0.38247012	88089296.62	34250899.17	2	26	74310967.54	3793229.795	2	25	60687835.46	9854176.514	2	22	50339187.64	17545958.83	2	21	47438152.78	8040517.602	2	20	1	1
Aspartyl-tRNA synthetase (EC 6.1.1.12) (nmpd|SPy2156|aspS; 514870)	15	0.410652921	32342082.55	5238591.234	2	24	31682800.84	4360967.951	2	20	28516550.98	4412583.409	2	23	24303167.75	1563178.26	2	20	17907483.21	5850063.217	2	16	1	1
Strepotococcal cysteine protease (Streptopain) (EC 3.4.22.10) (SpeB) (nmpd|SPy2039|speB; 386422)	15	0.550251256	27037628.45	31966720.18	2	16	17031020.04	4048486.642	2	15	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Peptidylproline cis-trans-isomerase (EC 5.2.1.8) 3B Proteinase maturation protein (RopA) (nmpd|SPy2037|; 515532)	15	0.491909385	55137666.02	3925344.607	2	26	49337313.51	7107997.857	2	25	37427303.66	1974352.064	2	24	29664864.94	4330160.325	2	22	17257126.91	9795225.887	2	16	1	1
Nicotinate phosphoribosyltransferase (EC 2.4.2.11) (nmpd|SPy1653|nadE; 515154)	15	0.419421488	50328900.12	86733.09296	2	19	41671724.09	5772773.374	2	18	44612577.41	2168793.454	2	22	40180024.03	20058.53391	2	22	21659893.31	7065405.064	2	18	1	1
Ribonucleotide reductase of class Ib (aerobic) 2C alpha subunit (EC 1.17.4.1) (nmpd|SPy1375|nrdE.2; 515036)	15	0.342141864	21445973.2	1454178.376	2	25	11423297.9	4246717.192	2	16	10660834.39	2277098.818	2	15	7528073.192	529505.0026	2	14	5624153.772	1371456.889	2	12	1	1
Acetoin dehydrogenase E1 component beta-subunit (EC 1.1.1.5) (nmpd|SPy1028|acoB; 514854)	15	0.590361446	83579094.42	4732503.122	2	25	69392338.06	2339967.998	2	25	60659778.48	7234809.781	2	20	49725857.92	3931301.429	2	21	48812347.79	218561.9285	2	23	1	1
dTDP-glucose 4 2C6-dehydratase (EC 4.2.1.46) (nmpd|SPy0936|cpsFQ; 520026)	15	0.520231214	61840268.34	8609707.348	2	25	85131824.52	2802733.021	2	25	86117034.61	3484882.564	2	24	61928897.7	4967145.702	2	23	46589164.15	2046412.658	2	22	1	1
Manganese-dependent inorganic pyrophosphatase (EC 3.6.1.1) (nmpd|SPy0380|; 514993)	15	0.665594855	390810607.8	5776872.44	2	27	340516354.2	3707113.274	2	23	357355827.4	18638383.05	2	25	317280850.9	24946994.62	2	23	292499664.4	24329698.78	2	22	1	1
LSU ribosomal protein L24p (L26e) (nmpd|SPy0062|rplX; 350744)	15	0.594059406	311030689.5	112164566.8	2	21	361737306.9	8192864.861	2	23	286749412	19746941.02	2	22	281710199.7	10649761.57	2	21	268903998.3	40865626.76	2	19	1	1
SSU ribosomal protein S19p (S15e) (nmpd|SPy0053|rpsS; 350743)	15	0.739130435	102474444.8	15644255.45	2	20	121480633.1	6636781.767	2	26	123314476.4	5025478.754	2	22	122383644	4735461.112	2	22	117400320.4	41786.66155	2	17	1	1
Peptide deformylase (EC 3.5.1.88) (nmpd|SPy1958|; 326391)	14	0.799019608	76033093.12	8759103.891	2	22	84210088.33	10574653.61	2	22	91849170.87	3643520.673	2	22	91195736.63	10607614.12	2	24	87669293.3	6735455.633	2	22	1	1
Ribosome-associated factor Y (nmpd|SPy1613|; 326090)	14	0.659340659	64811876.4	10391467.7	2	27	61717911	3739843.004	2	25	53429559.46	6237556.083	2	20	48677631.06	11098183.64	2	22	49951145.28	3356530.005	2	18	1	1
Phosphate acetyltransferase (EC 2.3.1.8) (nmpd|SPy1128|pta; 515109)	14	0.625377644	52215247.85	13389313.61	2	22	49748174.3	17390832.72	2	19	53727855.21	18781419.91	2	18	33145893.17	4272690.612	2	16	47947792.35	9626802.412	2	19	1	1
LSU ribosomal protein L7 2FL12 (L23e) (nmpd|SPy1073|rplL; 350753)	14	0.900826446	285663811.5	77684037.87	2	22	188473728	19016100.32	2	22	107775146	24605737.19	2	16	125414718.6	8176124.186	2	19	105692753.4	7834428.834	2	16	1	1
Phosphopentomutase (EC 5.4.2.7) (nmpd|SPy0890|deoB; 515072)	14	0.372208437	85635273.37	12164540.21	2	27	64925302.79	7724443.735	2	24	65714744.28	4363885.155	2	25	78874242.62	7410036.285	2	27	63148278.77	11511997.42	2	24	1	1
Ribosome recycling factor (nmpd|SPy0463|; 325124)	14	0.643243243	200304713.3	2022492.853	2	22	188574315.5	7135917.587	2	21	139955609.5	10034143.95	2	16	60697657.69	15191261.29	2	16	160152888.3	5723919.577	2	18	1	1
Acetate kinase (EC 2.7.2.1) (nmpd|SPy0109|ackA; 514946)	14	0.532663317	60657444.85	8525182.401	2	16	62805709.22	3983874.927	2	19	72372378.01	495522.7533	2	19	60291034.22	24767800.36	2	18	66879619.91	2379082.634	2	17	1	1
SSU ribosomal protein S5p (S2e) (nmpd|SPy0069|rpsE; 324832)	14	0.695121951	676468662.5	3621026.273	2	24	549020896.6	92659132.44	2	22	453998382.2	37932613.72	2	18	461612840	65123677.33	2	22	299284996.9	26243465.74	2	17	1	1
LSU ribosomal protein L3p (L3e) (nmpd|SPy0049|rplC; 514900)	14	0.653846154	226862453.2	120680147.1	2	18	137692209.4	9377544.138	2	19	319959904.3	123397227.8	2	18	357035382.6	61423177.77	2	17	249376946.9	12563901.34	2	16	1	1
Adenylate kinase (EC 2.7.4.3) (nmpd|SPy0074|; 515356)	13	0.679245283	26096286.09	5749936.078	2	14	20031896.18	3358186.01	2	13	14040622.08	1048045.325	2	13	18300977.94	6792774.249	2	14	11836940.72	2461874.181	2	11	1	1
LSU ribosomal protein L13p (L13Ae) (nmpd|SPy1932|rplM; 520030)	13	0.722972973	418689588	13118382.16	2	26	542697931.5	1350423.346	2	28	490424934	44126109.72	2	28	365255718.3	51114205.68	2	23	445733585.2	21849427.09	2	30	1	1
Acid phosphatase (EC 3.1.3.2) (nmpd|SPy1882|lppC; 515445)	13	0.602112676	53381911.75	413730.7781	2	18	40883857.92	5721441.706	2	19	38705868.13	3945910.754	2	17	29355585.53	3855014.263	2	16	24454793.29	3094778.346	2	16	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit B (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1770|gatB; 515038)	13	0.475991649	36868054.13	4088793.058	2	23	19484899.42	336752.4632	2	22	17467661.33	1738181.183	2	15	15095409.64	307406.5517	2	13	14679894.27	7006556.498	2	13	1	1
Transcription termination protein NusA (nmpd|SPy1724|nusA; 520025)	13	0.438961039	20163024.58	7704914.639	2	18	16029076.51	1221963.625	2	15	17363750.19	118069.3412	2	11	14677381.47	1182096.418	2	12	9137468.23	414843.6814	2	10	1	1
Cell division protein ftsA (nmpd|SPy1521|ftsA; 325990)	13	0.475770925	20383415.86	6555028.281	2	18	14869539.28	1663762.742	2	17	10747351.69	1964874.212	2	12	6737492.827	4043650.065	2	10	3427834.414	668330.1581	2	5	1	1
Cell division initiation protein DivIVA (nmpd|SPy1514|; 325984)	13	0.547619048	125744036.8	17868224.86	2	22	116946222.4	13248620.38	2	21	77990193.83	7579790.887	2	17	54470581.01	6971931.046	2	14	36112148.93	3536665.272	2	13	1	1
Phosphoglucosamine mutase (EC 5.4.2.10) (nmpd|SPy1038|; 514983)	13	0.394678492	47425343.52	14168993.61	2	21	31145046.99	1042237.335	2	17	27727175.6	13130640.52	2	18	24836199.75	5229046.975	2	16	12248814.34	1514761.968	2	11	1	1
ATP-dependent Clp protease ATP-binding subunit clpX (nmpd|SPy0885|clpX; 514859)	13	0.464547677	25584734.88	1714813.743	2	18	14429255.02	5684727.543	2	11	15053853.79	220926.2006	2	16	12572033.82	1575144.648	2	11	9695614.723	3666524.105	2	13	1	1
PTS system 2C fructose-specific IIA component (EC 2.7.1.69) 2F PTS system 2C fructose-specific IIB (nmpd|SPy0855|; 515010)	13	0.240740741	33269534.98	8994324.412	2	18	34799280.29	5714916.012	2	17	33971827.32	6741041.251	2	18	19778143.73	523522.6847	2	14	21901450.64	159734.9706	2	16	1	1
Asparaginyl-tRNA synthetase (EC 6.1.1.22) (nmpd|SPy0651|asnS; 515229)	13	0.363839286	20106825.33	885852.5066	2	17	10865091.75	2395303.35	2	15	13298126.94	3955026.297	2	18	7112300.007	1531500.225	2	11	10742775.18	8161872.645	2	14	1	1

Adenylosuccinate lyase (EC 4.3.2.2) (nmpd|SPy0036|purB; 515519)	13	0.388372093	12904606.59	695272.7323	2	15	8673951.871	2539023.052	2	13	9730970.842	1224232.323	2	14	7520250.067	3272089.516	2	13	9273009.713	1205291.822	2	14	1	1
SSU ribosomal protein S9p (S16e) (nmpd|SPy1931|rpsI; 326368)	12	0.553846154	524039840.9	18109058	2	23	491493162.4	10022962.34	2	25	386723214.4	8110087.931	2	21	412370319.2	9133853.14	2	21	398601546.5	16499407.16	2	17	1	1
GTP-binding protein TypA 2FBipA (nmpd|SPy1527|; 325995)	12	0.288743883	20563203.34	5413373.533	2	18	9865366.155	3884973.098	2	10	11021600.01	2250895.408	2	12	6082988.602	1982167.123	2	8	3915358.491	1723564.8	2	7	1	1
Probable RNA helicase exp9 (nmpd|SPy1415|deaD; 514877)	12	0.319109462	31637475.64	7262799.217	2	19	17933560.85	1512427.681	2	13	20388096.99	327286.0645	2	15	19621554.46	4274940.889	2	16	13585802.54	966267.0971	2	14	1	1
hypothetical protein SPy1343 [Streptococcus pyogenes M1 GAS] (ref|NP_269453.1|; 515708)	12	0.370656371	24221525.11	1351922.273	2	16	15514282.58	122598.5705	2	13	13191609.69	5282989.225	2	14	18039836.21	11010180.41	2	15	21448337.25	10324088.35	2	13	1	1
Nucleoside-binding protein (nmpd|SPy1228|; 515432)	12	0.46	92977043.42	7885493.255	2	17	86165648.98	14477525.69	2	19	66198301.19	409118.6902	2	18	52003648.95	5967852.692	2	18	46599240.33	1280497.909	2	17	1	1
LSU ribosomal protein L10p (P0) (nmpd|SPy1072|rplJ; 514835)	12	0.692771084	328698439.5	18346397.23	2	20	283803042.1	72075596.98	2	17	203414691.5	9702543.784	2	17	214070632.8	19890341.76	2	17	186319719.1	11943562.29	2	18	1	1
Branched-chain amino acid aminotransferase (EC 2.6.1.42) (nmpd|SPy0911|bcaT; 515274)	12	0.602941176	97502611.73	20728287.14	2	18	104577573.7	2908368.529	2	18	80797862.87	13470330.2	2	18	83614920.69	1222958.613	2	17	88633636.64	4577367.824	2	18	1	1
Pyrrolidone-carboxylate peptidase (EC 3.4.19.3) (nmpd|SPy0506|; 325163)	12	0.637209302	72534194.84	13802736.24	2	18	43558992.95	4219980.646	2	19	47376948.61	3757437.308	2	19	22908833.19	1009663.75	2	12	13838823.99	1155550.554	2	8	1	1
LSU ribosomal protein L1p (L10Ae) (nmpd|SPy0461|rplA; 325121)	12	0.537117904	662401016.1	90384672.77	2	21	485563342	140958746.9	2	20	344582110.6	70006241.34	2	22	270490280.2	97494603.91	2	21	228973890.4	130516846.1	2	17	1	1
LSU ribosomal protein L11p (L12e) (nmpd|SPy0460|rplK; 350748)	12	0.425531915	344261561.4	74202645.1	2	20	392244620.3	23006640.67	2	19	363901807.1	1570325.829	2	18	356653225.9	80631763.32	2	17	329214097.6	49431279.02	2	17	1	1
SSU ribosomal protein S7p (S5e) (nmpd|SPy0272|rpsG; 520031)	12	0.634615385	652331570.5	19656616.3	2	23	649343100	53346971.78	2	21	494304941.3	63511545.01	2	23	545128845.8	23589331.54	2	21	550563809.5	13847788.14	2	23	1	1
SSU ribosomal protein S12p (S23e) (nmpd|SPy0271|rpsL; 324983)	12	0.510948905	241984364.9	82842578.16	2	19	337850521.5	35679374.96	2	19	344820186.4	25951485.33	2	17	288397656.4	53027895.17	2	21	183282329.2	52111061.16	2	17	1	1
Glycerol-3-phosphate dehydrogenase 5BNAD(P) 2B 5D (EC 1.1.1.94) (nmpd|SPy0226|gpsA; 515189)	12	0.600591716	65089545.72	2178319.922	2	18	49670304.87	4285247.466	2	16	44631759.44	2386994.469	2	19	35424586.64	2886932.908	2	19	20101123.34	7232256.11	2	14	1	1
Serine protease DegP, HtrA, C do-like, (EC 3.4.21.-) (nmpd|SPy2216|htrA; 514837)	11	0.481572482	124374444	5093540.185	2	17	107694278.2	12858529.22	2	18	82169346.07	1561311.882	2	17	73850885.8	7692158.322	2	16	39707640.34	5362852.682	2	13	1	1
Zn-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy1876|; 326322)	11	0.330357143	20304343.74	346926.3851	2	17	19609040.83	1436611.583	2	17	17133813.53	1206006.028	2	16	12955019.45	1127104.526	2	13	11107657.29	584316.0926	2	13	1	1
3-oxoacyl- 5Bacyl-carrier protein 5D reductase (EC 1.1.1.100) (nmpd|SPy1749|fabG; 515084)	11	0.454918033	74955632.47	25770788.31	2	18	53740429.9	1009490.469	2	18	37896267.27	8262593.15	2	16	4577028.328	2169091.815	2	10	600558.1694	0	1	1	1	1
Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) 3B Penicillin-binding prote (nmpd|SPy1649|pbp1A; 515512)	11	0.267683773	14679623.91	5119037.779	2	14	10676778.77	945702.1736	2	10	8888205.063	343498.2265	2	12	6881451.712	2608536.764	2	12	5612394.946	3179663.416	2	7	1	1
DNA binding protein starved cells-like peroxide resistance protein (nmpd|SPy1531|; 325999)	11	0.662857143	522755771.9	1586300.739	2	16	380819366.8	16064733.61	2	13	217647305.5	51108354.94	2	12	337016359.7	9340413.976	2	14	71777126.67	59978480.61	2	11	1	1
putative ABC transporter (binding protein) [Streptococcus pyogenes M1 GAS] (ref|NP_269099.1|; 515604)	11	0.464882943	18548910.88	2915513.616	2	14	15317581.05	1524223.244	2	12	21930272.82	4640470.915	2	15	28471348.52	5862630.753	2	15	31683188.35	1644987.409	2	16	1	1
Purine nucleoside phosphorylase (EC 2.4.2.1) (nmpd|SPy0894|deoD2; 515261)	11	0.751054852	32743239.83	3125587.664	2	15	34437694.61	2481621.635	2	16	36263318.38	16008.16962	2	17	28407312.68	212462.3874	2	14	29153784.91	691540.3649	2	15	1	1
RNA polymerase sigma factor RpoD (nmpd|SPy0782|rpoD; 325336)	11	0.512195122	46342525.92	1897859.041	2	16	39245572.63	1397286.945	2	17	35290888.96	6234714.954	2	16	35120605.5	1490521.362	2	16	34233035.88	512255.6003	2	17	1	1
LSU ribosomal protein L19p (nmpd|SPy0724|rplS; 325290)	11	0.660869565	614043190.1	14638526.44	2	25	546487533.3	53726190.1	2	23	463712858.2	12334230.11	2	21	451419085.7	8873986.684	2	22	398340815	7531731.739	2	21	1	1
Ribonuclease R (EC 3.1.-.-) (nmpd|SPy0503|; 515065)	11	0.214929215	2128902.669	64630.02148	2	3	1672277.735	81208.43511	2	3	1836391.026	180923.4391	2	4	6735840.811	718244.5199	2	9	11019999.95	3596547.027	2	17	1	1
Jag protein (nmpd|SPy0248|; 514906)	11	0.559210526	32754984.38	7009901.752	2	19	22089682.66	2262364.831	2	15	21762865.55	4874613.797	2	16	15443066.84	5441693.276	2	15	8105766.927	1550778.224	2	8	1	1
LSU ribosomal protein L23p (L23Ae) (nmpd|SPy0051|rplW; 324817)	11	0.744897959	375327632.4	34957398.52	2	20	322258993.9	8344827.052	2	21	225278727.9	25703413.01	2	15	242185313.3	33995698.19	2	18	217012819.2	23784960.84	2	17	1	1
GTP-binding and nucleic acid-binding protein YchF (nmpd|SPy0006|; 514905)	11	0.380053908	27223342.23	1126040.051	2	20	15246406.04	1441835.291	2	13	15415750.88	1885107.934	2	16	12646113.82	102304.1754	2	14	10188045.58	4178568.754	2	11	1	1
RecA protein (nmpd|SPy2116|recA; 514833)	10	0.341269841	28333251.12	3587243.859	2	15	15882641.6	4042434.695	2	15	8041779.689	2373365.861	2	9	8739988.176	1754585.064	2	12	5157639.818	2358263.122	2	8	1	1
Xaa-Pro dipeptidyl-peptidase (EC 3.4.14.11) (nmpd|SPy1858|pepXP; 515739)	10	0.231578947	15711801.39	33835.90063	2	16	9152467.112	639284.8702	2	13	11137087.86	2709868.148	2	16	7116936.141	1579722.949	2	13	6242385.622	1473194.145	2	11	1	1
Translation elongation factor P 3B Translation initiation factor 5A (nmpd|SPy1821|; 326255)	10	0.648648649	103616924.6	17526149.05	2	12	91096741.51	7803467.34	2	12	204456763.9	12388967.55	2	14	148680800.8	59435967.25	2	13	187247461.7	30281035.59	2	15	1	1
Biotin carboxylase of acetyl-CoA carboxylase (EC 6.3.4.14) (nmpd|SPy1745|accC; 515236)	10	0.40969163	30601332.53	8739915.292	2	15	15236649.2	1942382.777	2	11	20114412.02	4281550.361	2	14	280188.6095	0	1	1	4203786.503	0	1	1	1	1
Glutamine transport ATP-binding protein glnQ (TC 3.A.1.3.2) (nmpd|SPy1316|; 515557)	10	0.524390244	62609197.21	18801415.08	2	16	53125787.97	2091737.277	2	18	52241180.32	1491681.603	2	17	26894336.01	4741557.516	2	14	9258476.232	2190389.329	2	7	1	1
General stress protein 2C Gls24 family (nmpd|SPy1260|; 325679)	10	0.950920245	193383331.2	65364334.34	2	15	195428375.4	61418725.94	2	15	241077893	27409463.18	2	15	235014682.6	24842852.72	2	17	78175225.98	3753827.052	2	12	1	1
Ribose-phosphate pyrophosphokinase (EC 2.7.6.1) (nmpd|SPy1123|; 515443)	10	0.420245399	35398144.65	1590748.83	2	16	21195359.3	594677.8181	2	13	38557170.63	4346280.934	2	16	30675563.36	2372577.921	2	14	30486134.53	1294260.141	2	15	1	1
Acetoin dehydrogenase E1 component alpha-subunit (EC 1.1.1.5) (nmpd|SPy1026|acoA; 514897)	10	0.465838509	34364310.11	4994747.714	2	17	29933926.34	175903.7155	2	13	28909405.96	1597533.772	2	11	26424267.11	1680237.768	2	12	20264787.77	2767366.549	2	10	1	1
Glucose-1-phosphate thymidylyltransferase (EC 2.7.7.24) (nmpd|SPy0933|cpsFO; 515474)	10	0.512110727	56821293.83	20175772.14	2	18	37910628.54	2373014.748	2	16	54075903.2	1805151.135	2	15	46899820.86	1051466.256	2	17	30392190.65	9364665.113	2	14	1	1
Orotate phosphoribosyltransferase (EC 2.4.2.10) (nmpd|SPy0901|pyrE; 515249)	10	0.698564593	16916859.49	6268699.383	2	11	3858920.43	781654.6946	2	4	27675830.62	6145770.233	2	11	56355535.82	2951213.477	2	14	59384062.98	12256850.82	2	14	1	1
LSU ribosomal protein L31p (nmpd|SPy0717|rpmE; 325285)	10	0.790697674	428973326.8	4624963.382	2	13	459922275.2	7555130.3	2	12	417816513.6	5985490.429	2	14	447096936.6	19385882.12	2	17	464792786.5	45271006.97	2	15	1	1
Dipeptidase (EC 3.4.-.-) (nmpd|SPy0713|pepD; 515606)	10	0.288135593	29996526.03	4366153.371	2	11	16372723.54	1178172.249	2	11	26954964.42	1166445.593	2	12	28806938.85	3224622.688	2	13	28369734.09	878974.8467	2	12	1	1
Calcium-transporting ATPase (EC 3.6.3.8) (nmpd|SPy0623|pacL; 514840)	10	0.176931691	39106659.89	3476928.331	2	18	40736185.55	3652653.11	2	19	31975468.67	8373435.451	2	18	25728748.69	5839596.193	2	16	16548828.98	1345038.642	2	11	1	1
Glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) (nmpd|SPy0316|; 515227)	10	0.394957983	127209476.1	1667744.176	2	20	125560813.1	4180818.384	2	18	90474590.66	7316766.446	2	16	99978759.07	6330433.711	2	18	77045587.52	1545293.808	2	16	1	1
Glutamyl aminopeptidase (EC 3.4.11.7) (nmpd|SPy0115|pepA; 515305)	10	0.402816901	27767716.18	4865055.983	2	14	23268989.5	4808850.378	2	13	23049604.66	1028340.828	2	11	23147244.62	2795672.295	2	11	20777200.83	1102796.314	2	11	1	1
LSU ribosomal protein L16p (L10e) (nmpd|SPy0057|rplP; 324822)	10	0.437956204	146750217.3	91350577.71	2	13	199009310.7	17712680.11	2	13	172620902.1	16095065.56	2	14	125717372.7	24755666.53	2	14	186578096.4	9815188.145	2	15	1	1
Antiphagocytic M protein (nmpd|SPy2018|emm1; 386417)	9	0.23553719	45740106.22	1958539.533	2	16	38010497.19	7068183.416	2	13	36142595.29	1275015.739	2	16	17805234.61	1240864.545	2	10	17636477.76	2894245.245	2	15	1	1
SSU ribosomal protein S15p (S13e) (nmpd|SPy1955|rpsO; 520027)	9	0.662921348	267515523.7	11877886.68	2	16	251196210.1	12502606.03	2	18	150517344.4	55841120.14	2	17	205235722.5	9497954.446	2	18	208667768.3	1781751.08	2	17	1	1
C3-degrading proteinase (nmpd|SPy1851|; 515300)	9	0.392	11254770.95	2948614.865	2	10	6813047.618	1189826.758	2	7	15519871.34	1785144.907	2	10	32463631.83	16337637.31	2	16	26853465.79	4468304.504	2	12	1	1
GTP-sensing transcriptional pleiotropic repressor codY (nmpd|SPy1777|codY; 515496)	9	0.419230769	14715954.67	124008.2259	2	12	8210672.082	2912554.999	2	9	6505562.265	1701777.613	2	9	5455921.365	1432603.004	2	10	4344954.775	1901897.903	2	9	1	1
PTS system 2C mannose-specific IID component (EC 2.7.1.69) (nmpd|SPy1740|manN; 514949)	9	0.346534653	59996037.81	7274952.305	2	12	40544630.06	21088029.83	2	9	25107919.83	2243566.879	2	9	34675641.71	16447473.73	2	11	38667401.33	13006114.67	2	13	1	1
Glycyl-tRNA synthetase alpha chain (EC 6.1.1.14) (nmpd|SPy1689|glyQ; 515355)	9	0.485245902	28738175.6	405876.9419	2	11	24539167.02	459071.6698	2	11	26498578.98	3529564.887	2	14	22008046.93	597311.3965	2	12	16320547.49	3426896.692	2	10	1	1
Glucokinase (EC 2.7.1.2) (nmpd|SPy1529|glcK; 515939)	9	0.374613003	22876519.31	4516072.348	2	14	9036907.57	1260194.847	2	7	18075141.81	5600640.212	2	14	14480268.88	2264019.461	2	14	7960343.091	5871409.071	2	10	1	1
Manganese superoxide dismutase (EC 1.15.1.1) (nmpd|SPy1406|sodA; 515980)	9	0.691542289	9656847.878	1488294.836	2	7	9328337.471	567629.0844	2	6	8629719.591	1613908.395	2	6	7482744.563	438567.3312	2	5	11691847.22	929716.7064	2	9	1	1
Oligoendopeptidase F (nmpd|SPy1393|pepB; 515464)	9	0.224625624	7341208.097	787885.1108	2	7	6476619.427	2991870.85	2	7	8607825.37	2730396.436	2	8	10197933.12	4203602.059	2	10	9083625.315	4633013.863	2	11	1	1
D-alanine--poly(phosphoribitol) ligase subunit 1 (EC 6.1.1.13) (nmpd|SPy1312|dltA; 325762)	9	0.310546875	14104998.46	1087147.357	2	13	16196075.07	985830.0513	2	15	9823394.83	667039.2755	2	13	6764256.207	2615935.043	2	8	4578552.271	4754516.847	2	6	1	1
DNA gyrase subunit A (EC 5.99.1.3) (nmpd|SPy1152|gyrA; 515529)	9	0.193236715	16677687.67	467323.9999	2	11	13168049.42	559512.2512	2	10	12784544.47	535074.6009	2	8	12198891.78	107393.6348	2	10	10216996.67	1604930.801	2	8	1	1
Dihydrolipoamide acetyltransferase component (E2) of acetoin dehydrogenase complex (EC 2.3.1.-) (nmpd|SPy1029|acoC; 515218)	9	0.36673774	29590269.84	5407362.714	2	17	29884905.53	1729475.923	2	17	17848902.97	692673.3972	2	15	14810067.98	3804701.226	2	13	8946812.806	5005495.889	2	11	1	1
Zn-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy1020|; 515868)	9	0.244122966	18777750.03	1674414.645	2	12	18178783.89	3102736.482	2	15	14180890.42	506015.5188	2	12	13054201.13	453013.1135	2	12	10634173.73	269180.5553	2	13	1	1
dTDP-4-dehydrorhamnose 3 2C5-epimerase (EC 5.1.3.13) (nmpd|SPy0935|cpsFP; 325480)	9	0.441624365	40618302.18	5293519.19	2	15	39117760.97	8235270.242	2	13	36495501.66	642019.5865	2	14	28628767.22	346193.1919	2	13	19691818.98	2397982.003	2	9	1	1
periplasmic component of efflux system (nmpd|SPy0836|; 515348)	9	0.349881797	15498637.92	369025.58	2	11	12140450.7	1780221.54	2	9	10576021.52	833401.4166	2	10	9542224.33	4890548.79	2	8	10568874.01	3575190.042	2	10	1	1
dTDP-4-dehydrorhamnose reductase (EC 1.1.1.133) (nmpd|SPy0784|rmlD; 515124)	9	0.419014085	17133973.62	322211.4727	2	12	12407289.5	1594612.243	2	11	12884651.7	2843990.376	2	11	13942856.51	6163758.194	2	12	12343334.71	5734429.26	2	13	1	1
Xaa-Pro dipeptidase (EC 3.4.13.9) (nmpd|SPy0513|pepQ; 325169)	9	0.409972299	16387837.26	1689613.31	2	11	10987329.1	3733103.194	2	8	23371301.06	3625607.381	2	10	28668333.5	264995.4831	2	11	26856494.25	926547.5176	2	12	1	1
CMP-binding factor (nmpd|SPy0267|; 515778)	9	0.41025641	13274556.41	266485.9475	2	7	12648582.34	239340.3963	2	8	11373277.85	2371574.475	2	8	15774207.07	2960315.365	2	13	9103426.45	458604.3462	2	6	1	1
tRNA-guanine transglycosylase (EC 2.4.2.29) (nmpd|SPy0203|; 514852)	9	0.421052632	25155322.93	3829521	2	12	21130160.45	2180533.723	2	12	28281230.66	167555.25	2	14	26435628.06	1769518.31	2	14	20778418.94	2401170.326	2	14	1	1
putative ABC transporter (lipoprotein) [Streptococcus pyogenes M1 GAS] (ref|NP_268542.1|; 514979)	9	0.467836257	38258813.8	4003857.212	2	14	40946875.88	3944717.113	2	13	36489010.74	7013055.198	2	13	28263420.42	6318007.802	2	15	18674006.27	2141618.266	2	11	1	1
Chaperonin (heat shock protein 33) (nmpd|SPy0123|; 514889)	9	0.482758621	17352170.72	14111009.62	2	11	5759617.392	879432.9959	2	8	12179029.18	8087873.098	2	11	7482593.968	2666550.4	2	10	13303293.72	1478903.153	2	9	1	1
LSU ribosomal protein L22p (L17e) (nmpd|SPy0055|rplV; 350764)	9	0.587719298	606623336.4	46618405.73	2	15	623581979.6	575141.6377	2	16	440787088.7	81565360.47	2	15	501046672.4	49651613.89	2	15	428691775.3	104858706.1	2	14	1	1
LSU ribosomal protein L4p (L1e) (nmpd|SPy0050|rplD; 324816)	9	0.531400966	280429951.4	103598404.7	2	14	337948095.2	16115305.94	2	15	253245267.8	2918133.19	2	15	211783727.8	37141874.57	2	15	229099851.9	37465444.23	2	16	1	1
SSU ribosomal protein S17p (S11e) (nmpd|SPy0060|rpsQ; 515158)	8	0.534883721	122317782.1	47208870.61	2	12	122074466.6	2995061.167	2	12	76000896.17	57889816.64	2	9	68477309.35	34590539.28	2	9	39158274.56	4656219.698	2	6	1	1
L-serine dehydratase 2C alpha subunit (EC 4.3.1.17) (nmpd|SPy2190|sdhA; 514970)	8	0.410344828	8928117.998	39558.10401	2	13	3836085.562	2093900.592	2	7	4203084.861	1576834.245	2	9	5495809.693	21587.40531	2	10	6314337.614	4131656.346	2	12	1	1
Histidyl-tRNA synthetase (EC 6.1.1.21) (nmpd|SPy2157|hisS; 515412)	8	0.230046948	11745490.72	1392529.962	2	14	10501547.9	1285694.314	2	14	9362709.598	258149.0999	2	12	10101013.32	1479789.687	2	13	6874919.691	4233387.056	2	7	1	1
Alkyl hydroperoxide reductase protein F (EC 1.6.4.-) (nmpd|SPy2080|nox1; 515266)	8	0.21372549	22501763.19	819407.4865	2	16	21730155.9	2122281.638	2	14	23300448.47	1490308.676	2	16	18652855.64	801140.6799	2	14	4028464.715	198835.5523	2	6	1	1
Alkyl hydroperoxide reductase protein C (EC 1.6.4.-) (nmpd|SPy2079|ahpC; 514834)	8	0.532258065	60507832.71	58335536.19	2	10	86206845.46	1785510.673	2	11	57308700.61	8394958.616	2	10	50441016.48	6415712.445	2	11	26422965.44	343482.5393	2	10	1	1
Heat shock protein 60 family co-chaperone GroES (nmpd|SPy2072|groES; 348631)	8	0.958333333	91134489.77	4055719.237	2	12	87038424.84	28710558.5	2	10	80869213.05	4502419.417	2	10	176040239.3	47370972.82	2	10	239386856.3	52467371.96	2	11	1	1
SSU ribosomal protein S6p (nmpd|SPy1831|rpsF; 326283)	8	0.75	41583435.17	13356599.64	2	12	32805479.25	230050.9508	2	12	34047083.26	3940720.353	2	12	38187691.56	9350154.86	2	12	33744799.09	460233.0557	2	12	1	1
Aspartate aminotransferase (EC 2.6.1.1) (nmpd|SPy1779|; 515825)	8	0.378712871	14407544.63	415429.2942	2	13	8641851.839	1200611.957	2	10	6660057.072	1269345.956	2	10	6263891.949	5785.403466	2	9	2917238.524	383119.7261	2	5	1	1
Chaperone protein DnaJ (nmpd|SPy1759|dnaJ; 515416)	8	0.335978836	13207370.34	1516106.333	2	10	9665154.845	3549814.536	2	9	4132432.28	1194318.392	2	7	7258081.956	335234.2312	2	10	3572170.181	458541.4908	2	6	1	1
Enoyl- 5Bacyl-carrier-protein 5D reductase 5BFMN 5D (EC 1.3.1.9) (nmpd|SPy1751|fabK; 326205)	8	0.39628483	31160890.14	13361974.69	2	14	25372170.33	2093292.461	2	13	18553133.38	7640853.021	2	13	542149.4859	0	1	1	1725192.726	0	1	1	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1633|; 326107)	8	0.237383178	3695803.96	1270956.504	2	6	1756445.44	1355701.008	2	3	2090716.055	0	1	3	534621.8852	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1571|; 514956)	8	0.58778626	37294029.81	4600775.427	2	12	38018523.38	1082748.614	2	13	32013683.18	194169.4582	2	10	35605739.13	649377.8823	2	11	33254853.57	5431196.734	2	9	1	1
ATP-dependent Clp protease 2C ATP-binding subunit ClpE (nmpd|SPy1509|clpE; 514920)	8	0.146052632	4446959.167	2504690.502	2	9	2617672.804	763395.0338	2	5	3481757.29	1187763.828	2	5	2334852.787	107796.2593	2	3	2371822.223	1032053.903	2	3	1	1
Peptide chain release factor 3 (nmpd|SPy1416|prfC; 515073)	8	0.212062257	11544037.58	2198436.206	2	11	7205015.389	2008293.786	2	10	4632169.861	2359608.527	2	6	1462771.772	338365.7799	2	2	880809.6611	419312.3095	2	3	1	1
Tagatose-6-phosphate kinase (EC 2.7.1.144) 2F 1-phosphofructokinase (EC 2.7.1.56) (nmpd|SPy0854|fruB; 515190)	8	0.429042904	15360561.67	736765.6113	2	9	13954198.36	2640580.794	2	11	11120136.47	2504345.743	2	7	7943759.118	1191436.207	2	6	9317514.731	2971454.679	2	6	1	1
Carbamoyl-phosphate synthase small chain (EC 6.3.5.5) (nmpd|SPy0833|carA; 325379)	8	0.338888889	21432303.08	795061.3835	2	15	7023369.326	1863498.611	2	7	21200404.93	5772894.288	2	10	23045732.97	2642418.482	2	12	17502504	6317015.983	2	10	1	1
Aspartate carbamoyltransferase (EC 2.1.3.2) (nmpd|SPy0832|pyrB; 515508)	8	0.350482315	2326102.124	0	1	2	347802.4904	0	1	1	1255924.285	0	1	2	1364303.205	236362.8994	2	2	776709.5196	216266.8288	2	3	1	1
Catabolite control protein A (nmpd|SPy0514|ccpA; 515185)	8	0.384384384	7378047.082	823089.6528	2	7	4267296.456	826611.4133	2	7	5080600.523	57423.19951	2	7	2464774.837	1491787.96	2	5	1037825.442	365351.7968	2	2	1	1
Peptidyl-prolyl cis-trans isomerase (EC 5.2.1.8) 2C cyclophilin-type (nmpd|SPy0457|; 515194)	8	0.432835821	16468538.64	6168357.216	2	10	16571767.58	2732634.651	2	15	11748775.78	824521.4818	2	12	9375296.552	919554.2496	2	8	6891000.881	3574814.479	2	7	1	1
N-acetylglucosamine-1-phosphate uridyltransferase (EC 2.7.7.23) 2F Glucosamine-1-phosphate N-acetyl (nmpd|SPy0443|gcaD; 515363)	8	0.184782609	13944892.77	1885208.156	2	13	3022486.344	191264.2887	2	4	5162088.074	1588633.997	2	10	772166.2159	329485.6523	2	2	1904440.941	1936415.23	2	4	1	1
Cytoplasmic membrane protein LemA (nmpd|SPy0330|lemA; 325026)	8	0.686486486	33075002.91	5869316.744	2	14	23502801.29	421190.1982	2	12	18895764.21	377946.8252	2	12	24221810.25	1707152.285	2	13	13568924.81	1305493.262	2	9	1	1
Purine operon repressor (nmpd|SPy0268|purR; 324981)	8	0.347670251	7139317.007	218779.2035	2	8	3970977.553	1520826.856	2	4	8396475.314	143335.2025	2	8	6304190.106	2245666.452	2	6	5267749.316	4727047.729	2	5	1	1
SSU ribosomal protein S11p (S14e) (nmpd|SPy0078|rpsK; 350747)	8	0.748031496	319915922.2	7996037.588	2	10	297486736.7	222796.2294	2	9	248830308.4	6083246.202	2	10	277372332.3	29209908.45	2	9	235344351	23338932.44	2	8	1	1
LSU ribosomal protein L30p (L7e) (nmpd|SPy0071|rpmD; 324833)	8	0.666666667	241950151.3	12019388.93	2	12	266719642.8	1870849.756	2	12	231138857.3	6298618.583	2	12	208398621.3	69147443.4	2	10	210002556.5	6173370.364	2	12	1	1
DNA polymerase III beta subunit (EC 2.7.7.7) (nmpd|SPy0003|dnaN; 520029)	8	0.261904762	32927250.87	3571482.495	2	11	34188623.68	4178196.822	2	11	31866247	1992563.178	2	12	23892146.32	5534121.581	2	11	19004625.1	7057060.137	2	9	1	1
SSU ribosomal protein S10p (S20e) (nmpd|SPy0047|rpsJ; 324814)	7	0.529411765	186162527.7	12753882.68	2	10	423570970.6	371965684.7	2	13	156901696.4	15290000.83	2	10	350874888.2	248542869.7	2	12	460715105.6	102262784.4	2	10	1	1
Membrane protease subunits 2C stomatin 2Fprohibitin homologs (nmpd|SPy1884|; 515422)	7	0.253378378	18621161.69	7596750.591	2	13	20025580.75	370900.9344	2	12	24844147.34	1469500.967	2	14	13916644.74	2194270.81	2	12	14920616.23	868220.8429	2	12	1	1
SSU ribosomal protein S18p (nmpd|SPy1829|rpsR; 326281)	7	0.303797468	47510806.62	1072434.958	2	13	76064875.77	7968834.268	2	13	84967604.09	15181581.02	2	12	106755037.4	47755355.82	2	14	92061192.15	17439053.17	2	12	1	1
Excinuclease ABC subunit A (nmpd|SPy1825|uvrA; 515558)	7	0.154989384	26672290.24	1135561.478	2	10	12836003.61	12981127.68	2	9	8204905.33	8724440.39	2	6	16722304.96	1233026.712	2	7	12038324.37	0	1	3	1	1
Hypothetical protein SPy1643 (nmpd|SPy1643|; 515071)	7	0.157464213	13199184.98	3185722.307	2	10	11690351.87	16250.5555	2	9	10424266.49	121038.1698	2	12	8924301.493	2692179.942	2	6	6390094.491	1147489.77	2	7	1	1
Methionyl-tRNA formyltransferase (EC 2.1.2.9) (nmpd|SPy1628|; 515408)	7	0.414790997	14431217.28	943791.5676	2	12	11610935.68	2189143.93	2	11	9563496.314	455922.7947	2	7	5476623.791	1664924.615	2	6	5042663.627	2724667.602	2	6	1	1
Ribonucleotide reductase of class Ib (aerobic) 2C beta subunit (EC 1.17.4.1) (nmpd|SPy1378|nrdF.2; 515382)	7	0.282131661	11052666.33	1936223.045	2	12	5868238.572	2778713.783	2	9	7378378.65	873919.9458	2	10	5533391.113	1041852.288	2	10	3118700.692	759219.22	2	6	1	1
Methionine aminopeptidase (EC 3.4.11.18) (nmpd|SPy1354|; 515847)	7	0.520979021	41391347.96	5348450.865	2	12	36389957.62	1213953.863	2	13	35496527.61	1888056.838	2	14	26956729.08	2886334.762	2	9	20584206.26	3893848.649	2	10	1	1
Peptide chain release factor 1 (nmpd|SPy1141|prfA; 514901)	7	0.295264624	12123607.36	1945731.484	2	11	8495598.546	7160546.718	2	7	10063157.46	573808.6136	2	10	9338581.163	1509052.591	2	7	6256497.721	2246610.456	2	7	1	1
Oxygen-insensitive NAD(P)H nitroreductase (EC 1.-.-.-) 2F Dihydropteridine reductase (EC 1.6.99.7) (nmpd|SPy1069|; 515617)	7	0.51	21456046.19	4348768.515	2	8	18362154.34	546413.2983	2	7	25161673.85	1728231.279	2	11	18684723.51	4870334.878	2	11	14200292.28	1984341.096	2	11	1	1
hypothetical protein (nmpd|SPy0912|; 515430)	7	0.644736842	31898663.05	1493757.385	2	11	26324927.75	1910281.578	2	11	28940417.99	3969810.501	2	12	39625886.29	1602471.938	2	13	44450629.99	443323.5242	2	12	1	1
Topoisomerase IV subunit A (EC 5.99.1.-) (nmpd|SPy0910|parC; 514844)	7	0.133089133	5181547.28	2463036.499	2	7	1832167.9	1167022.176	2	4	4090472.077	0	1	3	1163158.572	0	1	1	577081.7051	166471.4497	2	2	1	1
Purine nucleoside phosphorylase (EC 2.4.2.1) (nmpd|SPy0892|punA; 515502)	7	0.457249071	45569703.29	9102272.56	2	10	43083699.18	10882791.79	2	10	41552191.12	6418948.492	2	9	36222860.29	6459629.808	2	10	37495587	8183312.535	2	9	1	1
LSU ribosomal protein L20p (nmpd|SPy0806|rplT; 325357)	7	0.470588235	338506189.6	38361259.19	2	12	316543461.3	31321824.11	2	12	212848823.9	11487627.27	2	12	232546660.9	6337888.858	2	11	202814995.9	5032642.323	2	11	1	1
UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (nmpd|SPy0763|; 325320)	7	0.260047281	15219364.26	3539923.414	2	11	10075590.48	1862299.137	2	7	11699882.01	2563223.307	2	9	8574931.477	1008132.863	2	7	9321083.986	869481.5879	2	9	1	1
Septation ring formation regulator ezrA (nmpd|SPy0728|; 515295)	7	0.175958188	7660588.111	3402125.444	2	9	5120672.859	583649.5885	2	7	2895309.519	2233328.242	2	5	3073605.536	1567913.936	2	5	1720250.427	1356292.748	2	6	1	1
Signal recognition particle receptor protein FtsY (3Dalpha subunit) (TC 3.A.5.1.1) (nmpd|SPy0569|ftsY; 325215)	7	0.195736434	5366477.528	3297882.509	2	7	2414220.284	879191.2254	2	5	0	0	0	0	1230158.574	654530.3216	2	3	1592949.474	61496.76547	2	2	1	1
Transcription elongation factor GreA (nmpd|SPy0349|greA; 325040)	7	0.778409091	36722264.35	5819171.493	2	15	50944583.84	3370331.519	2	15	46238245.62	6523056.6	2	16	41992035.46	5833582.123	2	14	40963983.85	7449669.188	2	16	1	1
ABC transporter 2C substrate-binding protein (nmpd|SPy0317|; 515645)	7	0.414285714	22810502.09	7092379.733	2	14	15056493.48	1108199.579	2	10	20179043.98	5999160.522	2	12	24810680.38	7234686.741	2	13	28196942.45	4299472.085	2	13	1	1
Transcription antitermination protein NusG (nmpd|SPy0164|nusG; 515083)	7	0.463687151	42205567.56	13897807.96	2	9	35027165.92	3370827.254	2	10	26647812.63	2262929.06	2	10	25784036.53	5436438.873	2	9	29287410.67	2945085.422	2	8	1	1
LSU ribosomal protein L15p (L27Ae) (nmpd|SPy0072|rplO; 324834)	7	0.479452055	163773434.2	74781664.49	2	7	452174590	15960288.11	2	9	370430284.9	740754.9663	2	7	504267712.5	65711202.85	2	10	383220693.9	23802310.93	2	7	1	1
LSU ribosomal protein L18p (L5e) (nmpd|SPy0067|rplR; 350745)	7	0.610169492	114468479.5	30764192.9	2	7	101186356.4	9851668.98	2	9	61491775.97	1450448.561	2	3	163759406.7	118789319.4	2	11	124035398.1	66525986.13	2	6	1	1
LSU ribosomal protein L14p (L23e) (nmpd|SPy0061|; 324825)	7	0.393442623	312623803.3	76657711.7	2	13	331043630.9	60832074.51	2	14	289240121.8	39673348.87	2	12	274793705.9	25207995.67	2	12	305167237.8	18178936.26	2	11	1	1
LSU ribosomal protein L28p (nmpd|SPy1888|rpmB; 326331)	6	0.564516129	117345496.4	21382542.24	2	10	111730670.5	5811687.784	2	11	59374430.54	214426.658	2	9	81495360.43	3964354.183	2	11	59231636.08	4880027.241	2	10	1	1
Transcriptional regulator 2C repressor of the glutamine synthetase 2C MerR family (nmpd|SPy1878|; 326324)	6	0.666666667	7647497.577	2620858.959	2	7	4180131.002	307105.7459	2	9	4032189.457	2233267.851	2	6	7398200.161	1424966.992	2	7	14172734.92	4142372.367	2	9	1	1
Deoxyribose-phosphate aldolase (EC 4.1.2.4) (nmpd|SPy1867|deoC; 515647)	6	0.390134529	14824867.61	4863956.917	2	7	12892577.81	1967548.294	2	6	12082343.28	2333186.571	2	7	13521723.57	9593193.162	2	6	6315833.38	2862650.344	2	6	1	1
Single-stranded DNA-binding protein (nmpd|SPy1830|; 326282)	6	0.466257669	58506912.37	741189.2971	2	11	59292518.36	1455862.649	2	12	46744961.97	6821377.04	2	12	49776515.71	4864721.263	2	12	42280750.12	3742873.26	2	10	1	1
Mannose-6-phosphate isomerase (EC 5.3.1.8) (nmpd|SPy1810|; 515425)	6	0.372239748	10773750.16	2427462.583	2	9	9568653.036	1470765.632	2	9	14706008.08	1265518.669	2	10	16664023.62	6156194.32	2	8	18361640.95	2321330.426	2	11	1	1
hypothetical protein SPy1780 [Streptococcus pyogenes M1 GAS] (ref|NP_269794.1|; 515442)	6	0.523809524	20997988.26	5577000.514	2	9	18191160.4	369258.1985	2	11	20761160.24	3650220.542	2	9	15745611.86	1458933.88	2	9	13641375.77	1671033.321	2	9	1	1

Heat shock protein GrpE (nmpd|SPy1761|grpE; 326212)	6	0.478947368	15192136.6	3761553.303	2	7	3371938.798	45410.86295	2	4	9435366.693	2520022.656	2	6	25607119.23	3943077.511	2	8	49536251.86	1736967.651	2	9	1	1
Acetyl-coenzyme A carboxyl transferase alpha chain (EC 6.4.1.2) (nmpd|SPy1743|accA; 515698)	6	0.39453125	15927224.55	2050525.912	2	8	11685413.91	621732.8353	2	7	10372091.69	1799799.018	2	6	0	0	0	0	0	0	0	0	1	1
ATP-dependent RNA helicase (nmpd|SPy1659|; 515207)	6	0.225950783	7871989.676	25412.56329	2	10	7376585.156	1211103.701	2	10	4353706.883	1449174.222	2	5	3988368.91	3634313.837	2	7	2829285.586	868278.8798	2	5	1	1
Protein phosphatase 2C (EC 3.1.3.16) (nmpd|SPy1626|pppL; 326101)	6	0.353658537	23481512.28	569080.215	2	12	22683311.06	3732645.619	2	11	23305489.84	8649772.961	2	9	22187040.06	1520674.321	2	10	13724021.82	2424656.387	2	8	1	1
Transcriptional repressor for NAD biosynthesis in gram-positives (nmpd|SPy1427|; 515873)	6	0.479768786	2754920.76	80349.71483	2	5	1628778.63	0	1	2	4019331.178	2117978.692	2	6	6007339.815	2346013.818	2	7	2875426.125	0	1	2	1	1
Phosphocarrier protein of PTS system (nmpd|SPy1373|ptsH; 325814)	6	0.448275862	942409339.4	18309264.17	2	9	910331188.4	17903105.28	2	11	673498315.5	40082347.59	2	11	508241881.3	129398452.3	2	10	552042723.8	5067954.13	2	9	1	1
Peptidoglycan N-acetylglucosamine deacetylase (EC 3.5.1.-) (nmpd|SPy1370|; 515450)	6	0.242924528	1945992.438	0	1	3	1338457.856	124032.9956	2	4	2582034.883	1227776.007	2	5	4057191.765	919612.6232	2	5	8222892.525	561534.1605	2	8	1	1
Maltose/maltodextrin ABC transporter/ substrate binding periplasmic protein MalE (nmpd|SPy1294|malE; 514910)	6	0.214457831	7984996.021	3977201.597	2	9	7654842.813	1011181.388	2	9	6546403.207	2365738.809	2	10	4819935.62	1885238.894	2	9	3793185.306	763436.267	2	7	1	1
ABC-type multidrug transport system 2C ATPase component (nmpd|SPy1286|; 325698)	6	0.448275862	8529379.816	3239511.346	2	10	7360714.818	1447651.968	2	9	4500351.054	3528848.844	2	5	1362208.97	1079091.082	2	3	2747624.918	36375.62072	2	7	1	1
Formate--tetrahydrofolate ligase (EC 6.3.4.3) (nmpd|SPy1213|fhs.1; 325635)	6	0.151079137	3017754.76	354545.1017	2	5	1402956.439	110108.6104	2	2	2046694.443	890727.6417	2	3	1028460.573	248562.7978	2	2	1441365.7	692277.0688	2	3	1	1
Signal recognition particle 2C subunit Ffh SRP54 (TC 3.A.5.1.1) (nmpd|SPy1200|; 515093)	6	0.19460501	20782556.42	5001498.448	2	17	14795357.85	1053392.73	2	15	14499032.78	4896654.312	2	15	8868073.706	157987.7267	2	11	8118087.737	597521.672	2	13	1	1
tRNA 3Am(5)U-54 MTase gid (nmpd|SPy1173|; 515507)	6	0.200892857	4036873.764	1726580.62	2	7	3220399.737	1451078.833	2	6	1372452.984	353550.355	2	3	1037259.544	503879.1829	2	4	1340749.033	618561.528	2	4	1	1
Adenine phosphoribosyltransferase (EC 2.4.2.7) (nmpd|SPy0927|; 325473)	6	0.627906977	20382514.94	742494.6376	2	8	18661982.93	3106093.052	2	8	18052863.44	11480226.68	2	8	6921726.242	4571828.093	2	5	5322602.485	2525260.142	2	4	1	1
Uracil phosphoribosyltransferase (EC 2.4.2.9) 2F Pyrimidine operon regulatory protein pyrR (nmpd|SPy0830|pyrR; 520032)	6	0.416184971	18386048	729212.3937	2	12	9770569.726	561778.9706	2	11	12523305.2	4090335.816	2	10	16430386.97	3193046.42	2	11	18507757.74	2127012.264	2	11	1	1
Translation initiation factor 3 (nmpd|SPy0804|infC; 325355)	6	0.534090909	39196434.57	4742432.946	2	8	35981761.84	1132305.143	2	7	35640845.55	10249339.31	2	11	29982227.64	7528642.827	2	6	19164804.29	4308624.18	2	8	1	1
Phenylalanyl-tRNA synthetase alpha chain (EC 6.1.1.20) (nmpd|SPy0768|pheS; 515943)	6	0.292225201	5066729.963	139873.9569	2	6	5200128.209	541261.6217	2	7	3071155.791	2152887.813	2	5	3503897.586	2272921.059	2	6	1824430.476	475941.4542	2	5	1	1
ATP-binding protein (contains P-loop) (nmpd|SPy0652|; 515935)	6	0.324324324	1354661.615	28540.69176	2	4	810246.4267	0	1	1	728891.1063	0	1	1	547031.2867	0	1	1	0	0	0	0	1	1
UDP-N-acetylmuramate--alanine ligase (EC 6.3.2.8) (nmpd|SPy0345|murC; 514893)	6	0.253393665	7612792.918	272539.5672	2	6	6207410.731	2337382.404	2	7	7516923.942	33035.25324	2	7	3703029.046	1290854.599	2	5	2973534.849	2405360.243	2	6	1	1
LSU ribosomal protein L29p (L35e) (nmpd|SPy0059|rpmC; 350765)	6	0.588235294	153709527.4	15147856.42	2	11	121814316.1	14796798.38	2	10	50058887.81	33683130.13	2	7	73944454.47	2252087.964	2	9	69996074.2	1471485.203	2	7	1	1
SSU ribosomal protein S16p (nmpd|SPy0840|rpsP; 325386)	5	0.411111111	98141051.79	5558969.916	2	6	89277843.87	13180128.21	2	6	90567967.66	6618471.748	2	7	68101261.97	17264384.99	2	5	74064513.26	369364.6477	2	5	1	1
UDP-glucose dehydrogenase (EC 1.1.1.22) (nmpd|SPy2201|hasB; 386412)	5	0.164179104	0	0	0	0	875842.3224	329857.2835	2	2	0	0	0	0	1992315.554	909036.9815	2	3	2605666.879	510616.8348	2	4	1	1
Major cold-shock protein (nmpd|SPy2077|; 344022)	5	0.776119403	44053923.97	8940701.998	2	8	41307798.49	2755063.004	2	8	53708234.96	11841237.12	2	8	52348085.24	10767272.14	2	8	41947658.61	1734564.248	2	7	1	1
Type I restriction-modification system methylation subunit (nmpd|SPy1906|hsdM; 515047)	5	0.134980989	2277879.802	583508.2608	2	2	0	0	0	0	2513729.781	0	1	1	1232025.907	0	1	1	0	0	0	0	1	1
Uridine phosphorylase (EC 2.4.2.3) (nmpd|SPy1869|; 515122)	5	0.277992278	5000071.309	547225.6632	2	5	8862120.93	8269353.724	2	4	4536426.674	1229085.327	2	5	2533160.427	1740953.987	2	3	4049438.997	339484.5744	2	4	1	1
hypothetical protein SPy1865 [Streptococcus pyogenes M1 GAS] (ref|NP_269858.1|; 515203)	5	0.383419689	9701781.008	374475.7267	2	8	9028368.194	1455771.519	2	9	9026668.314	885941.8714	2	9	9826388.285	1286305.986	2	9	7778879.239	93648.25743	2	7	1	1
Signal peptidase I (EC 3.4.21.89) (nmpd|SPy1842|; 520039)	5	0.441624365	5788544.754	252717.6962	2	9	4334500.985	654948.8909	2	7	2619784.756	586325.4719	2	4	1487531.609	1224151.766	2	3	1154253.964	777582.9399	2	2	1	1
Putative cell-cycle regulation histidine triad (HIT) protein (nmpd|SPy1730|; 326185)	5	0.791366906	3087771.749	0	1	2	4048816.039	66929.65202	2	5	8758540.362	4397315.441	2	7	9894643.09	4423422.712	2	7	10977361.96	876286.257	2	7	1	1
Serine 2Fthreonine protein kinase (EC 2.7.1.37) (nmpd|SPy1625|; 515677)	5	0.129746835	9740845.406	775012.9136	2	10	10456315.45	280943.5122	2	10	5180774.53	2834580.33	2	7	3020879.33	1576435.294	2	6	1550139.754	470638.3589	2	2	1	1
S-adenosylmethionine synthetase (EC 2.5.1.6) (nmpd|SPy1359|metK; 515626)	5	0.211055276	14199308.03	2319899.319	2	10	10269022.99	109024.5575	2	10	6711697.496	2643685.708	2	8	6729224.905	651853.3229	2	7	2153134.867	1764740.828	2	3	1	1
Phosphate transport system regulatory protein PhoU (nmpd|SPy1240|phoU; 515102)	5	0.304147465	12051854.89	152806.0422	2	7	4626568.292	98744.03696	2	4	3049782.298	1717053.395	2	4	2002636.062	517132.1629	2	4	1605079.948	0	1	3	1	1
Nucleoside transport ATP-binding protein (nmpd|SPy1227|; 515750)	5	0.164705882	3662091.626	1744346.622	2	6	2361189.556	1082863.636	2	5	594810.6451	0	1	1	0	0	0	0	616529.0778	0	1	1	1	1
hypothetical protein (nmpd|SPy1193|; 515747)	5	0.51875	3053805.338	146996.1419	2	5	3576847.938	2339293.152	2	5	2513441.735	89387.8349	2	4	3586916.178	956312.915	2	5	1745491.907	0	1	1	1	1
Phosphatase NagD predicted to act in N-acetylglucosamine utilization subsystem (nmpd|SPy1043|; 515402)	5	0.295275591	5502985.177	1700777.253	2	7	4723463.028	1488923.576	2	7	3990858.736	327874.8319	2	6	2005777.846	62278.88741	2	4	2698110.359	1157496.933	2	5	1	1
LSU ribosomal protein L27p (nmpd|SPy0822|rpmA; 325372)	5	0.484536082	505578333.2	24491001.95	2	9	488066142.7	5278392.775	2	11	345326606.2	14996593.52	2	10	358875823.7	23749958.81	2	10	157042194.9	110887325.8	2	8	1	1
LSU ribosomal protein L21p (nmpd|SPy0819|rplU; 325370)	5	0.557692308	406136756.2	38902536.81	2	5	323851966.3	73813408.17	2	5	282490804.4	452992.7473	2	5	266046971	31521941.36	2	5	259326462.6	28307085.88	2	5	1	1
Tripeptide aminopeptidase (EC EC 3.4.11.4) (nmpd|SPy0799|pepT; 515478)	5	0.201474201	7065331.413	1497007.859	2	6	7254345.133	1763287.64	2	7	7348017.93	1713983.483	2	8	10330708.79	2820022.268	2	10	4144256.679	425434.5045	2	6	1	1
SSU ribosomal protein S21p (nmpd|SPy0779|rpsU; 349206)	5	0.379310345	42109310.07	29776438.38	2	6	41640407.34	19815986.3	2	7	19085311.97	3708461.326	2	6	22051177.68	2075760.5	2	6	12882898.53	3150149.999	2	6	1	1
ATP synthase B chain (EC 3.6.3.14) (nmpd|SPy0756|atpF; 515870)	5	0.359756098	18488460.3	3128153.282	2	10	13831620.01	73092.65548	2	10	10466417.06	913803.1109	2	9	4829066.442	1967939.186	2	5	3665107.724	431132.2674	2	5	1	1
DHH subfamily 1 protein (nmpd|SPy0720|; 515861)	5	0.322683706	3901765.536	1612241.091	2	6	4493958.89	1258203.217	2	7	3723575.762	148862.5306	2	5	3082035.783	881116.5977	2	5	1694405.163	536986.2273	2	3	1	1
Streptococcal pyrogenic exotoxin C (SpeC) (nmpd|SPy0711|speC; 386426)	5	0.314893617	10070538.16	1007440.403	2	9	1422076.95	1782137.342	2	4	20021597.99	4257600.388	2	10	14218246.86	2449186.529	2	9	7432501.532	2755943.606	2	8	1	1
HPr kinase 2Fphosphorylase (EC 2.7.1.-) (EC 2.7.4.-) (nmpd|SPy0584|ptsK; 515298)	5	0.270967742	5665781.218	242041.701	2	7	4180372.291	604959.5771	2	6	5384495.333	16017.02973	2	7	7500911.986	544636.0485	2	8	2904003.683	2876455.34	2	5	1	1
67kDa Myosin-crossreactive streptococcal antigen (nmpd|SPy0470|; 515126)	5	0.179661017	2571851.698	1749991.805	2	4	4279720.079	1338676.695	2	4	3994499.087	1207336.589	2	5	5983466.41	3232736.538	2	5	3232667.441	601678.3031	2	4	1	1
5'-methylthioadenosine nucleosidase (EC 3.2.2.16) 2F S-adenosylhomocysteine nucleosidase (EC 3.2.2. (nmpd|SPy0447|; 515466)	5	0.523809524	10555856.29	358466.913	2	7	15904813.12	1313580.656	2	8	14440658.2	3643561.518	2	7	9679993.577	8385260.974	2	4	9031886.329	1237865.784	2	5	1	1
Iron-sulfur cluster assembly ATPase protein SufC (nmpd|SPy0285|; 324994)	5	0.2890625	6734403.679	983878.9161	2	8	4629311.775	245609.3344	2	8	4209797.971	1433059.512	2	7	2740815.497	370778.8128	2	5	1467892.11	1011961.913	2	4	1	1
Surface exclusion protein (nmpd|SPy0269|prgA; 515167)	5	0.099656357	3158544.762	757905.3106	2	5	2824051.239	1090064.718	2	5	2556146.257	340639.226	2	3	4069414.014	1100716.152	2	6	3272379.947	2534624.301	2	5	1	1
UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) (nmpd|SPy0224|hasC.2; 520036)	5	0.304347826	9057353.58	941831.2401	2	8	5213600.264	1005647.112	2	5	5752525.743	609887.6316	2	7	4919565.449	1551431.561	2	5	2752060.563	491267.6111	2	4	1	1
DNA polymerase I (EC 2.7.7.7) (nmpd|SPy0185|polA; 515499)	5	0.082954545	6392765.53	698911.6157	2	6	5506005.377	10900.4381	2	6	4731669.597	897125.1363	2	5	5359087.839	316904.5991	2	6	3521899.054	1276718.645	2	5	1	1
L-proline Glycine Betaine ABC transport ATP-binding protein proV (TC 3.A.1.12.1) (nmpd|SPy0183|opuAA; 515932)	5	0.238693467	10979952.81	3736404.293	2	9	8146017.662	4461524.7	2	8	8517408.41	2961901.326	2	8	4640445.238	2731969.228	2	5	675745.9857	0	1	1	1	1
Transcriptional regulator (nmpd|SPy2197|; 520037)	4	0.15542522	7279979.059	1999450.737	2	5	5147999.311	2368727.481	2	3	4624708.581	988568.8099	2	4	3806896.682	3228177.667	2	4	3428255.162	1563084.163	2	4	1	1
L-serine dehydratase 2C beta subunit (EC 4.3.1.17) (nmpd|SPy2189|sdhB; 515696)	4	0.340807175	6420684.308	1147921.257	2	6	4902038.728	1379198.559	2	7	3518610.803	141569.0384	2	4	7665961.907	806326.0484	2	8	6912716.255	1255174.828	2	7	1	1
tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase (EC 2.1.1.61) (nmpd|SPy2188|; 515063)	4	0.193029491	2549921.308	1534239.375	2	5	1632813.093	63000.83594	2	5	1152669.394	613563.6729	2	4	1261273.063	94403.59794	2	4	1450821.935	0	1	2	1	1
LSU ribosomal protein L9p (nmpd|SPy2183|rplI; 350763)	4	0.313333333	8156131.731	2467537.159	2	6	5231048.37	578695.2411	2	4	4801115.283	15170.1487	2	6	4949821.709	609454.7113	2	6	3953402.106	373007.1918	2	6	1	1
Ribonucleotide reductase of class III (anaerobic) 2C large subunit (EC 1.17.4.2) (nmpd|SPy2110|nrdD; 326506)	4	0.079234973	4724980.014	1386288.61	2	7	1067448.902	423806.3297	2	3	804322.0149	256671.0515	2	2	1020162.062	524396.3787	2	3	1100001.013	174887.7546	2	5	1	1
ATP-dependent Clp protease ATP-binding subunit clpA (nmpd|SPy2073|clpC; 514891)	4	0.072481572	3094974.03	2884515.595	2	3	1127832.966	0	1	1	0	0	0	0	0	0	0	0	1224751.235	1290509.051	2	3	1	1
hypothetical protein (nmpd|SPy2033|; 520034)	4	0.335820896	11576626.92	1616628.488	2	4	14322140.32	2261758.721	2	5	11518954.61	1031053.176	2	4	20315095.95	2613704.07	2	6	12092255.32	1311266.606	2	5	1	1
periplasmic component of efflux system (nmpd|SPy2032|; 515051)	4	0.172985782	3491749.833	720764.0873	2	5	4323799.29	1743049.626	2	5	1957917.033	943010.6731	2	3	5343099.849	513414.8877	2	6	1641546.405	731441.6695	2	4	1	1
Multiple sugar ABC transporter 2C ATP-binding protein (nmpd|SPy1976|msmK; 515650)	4	0.164456233	4678307.616	268704.0192	2	6	2800699.748	288248.7108	2	5	1765711.231	843267.7686	2	4	1258584.363	489142.2753	2	3	722630.7067	199335.2545	2	2	1	1
Probable DNA-directed RNA polymerase delta subunit (RNAP delta factor) - Streptococcus pyogenes sero (sp|P66719|RPOE_STRP1; 515802)	4	0.230366492	17690027.75	4550970.911	2	6	17155533.43	24306.33544	2	6	18153427.34	2814196.511	2	5	23912078.52	1659939.792	2	6	23265077.43	1922436.655	2	5	1	1
Alkaline shock protein (nmpd|SPy1820|; 326254)	4	0.449612403	11620207.14	2592552.961	2	4	10245617.13	1128501.57	2	7	10371705.96	6979418.538	2	6	14627745.69	4978512.775	2	9	4983175.502	2524166.341	2	5	1	1
(3R)-hydroxymyristoyl- 5Bacyl carrier protein 5D dehydratase (EC 4.2.1.-) (nmpd|SPy1746|fabZ; 343042)	4	0.28057554	6410733.469	1250104.7	2	4	3505276.97	719217.526	2	3	1045606.717	0	1	1	0	0	0	0	0	0	0	0	1	1
Ribosome-binding factor A (nmpd|SPy1719|rbfA; 514903)	4	0.322033898	3694885.308	1337899.395	2	4	1882520.517	1892772.614	2	2	5205340.017	477309.7558	2	7	3578945.442	248150.2939	2	4	1602998.483	1408891.157	2	2	1	1
NAD synthetase (EC 6.3.1.5) (nmpd|SPy1652|nadE; 515418)	4	0.200729927	6773077.552	1849873.851	2	7	3369975.59	641991.0084	2	5	6001096.374	1940344.188	2	7	3496460.087	342908.1681	2	6	1860319.232	578436.8756	2	5	1	1
Methyltransferase (EC 2.1.1.-) 3B N6-adenine-specific DNA methylase (nmpd|SPy1644|; 515175)	4	0.153645833	1823902.843	150980.9139	2	4	1939264.153	353885.282	2	4	810346.5934	695144.3222	2	3	419121.0467	309938.4666	2	2	0	0	0	0	1	1
D-beta-hydroxybutyrate dehydrogenase (EC 1.1.1.30) (nmpd|SPy1640|; 515760)	4	0.28957529	0	0	0	0	0	0	0	0	379342.566	0	1	1	0	0	0	0	0	0	0	0	1	1
DNA-directed RNA polymerase omega subunit (EC 2.7.7.6) (nmpd|SPy1630|; 343041)	4	0.461538462	7556959.12	244866.038	2	7	6170702.478	2428390.12	2	7	5488101.28	474274.1189	2	6	3990537.898	263629.8128	2	6	1951554.579	859491.095	2	3	1	1
putative phosphomannomutase (nmpd|SPy1503|; 325974)	4	0.108156028	6379136.97	540102.9179	2	9	3505692.985	693047.2066	2	6	3052569.462	445484.1957	2	6	2178841.309	987442.0552	2	5	4493859.312	825976.9363	2	7	1	1
D-alanine--D-alanine ligase (EC 6.3.2.4) (nmpd|SPy1421|ddlA; 515256)	4	0.198275862	3709882.765	753303.1183	2	6	1517625.417	0	1	1	2017451.312	1044346.664	2	3	687767.7475	181527.7591	2	2	612817.5141	168313.4968	2	2	1	1
Uridine kinase (EC 2.7.1.48) (nmpd|SPy1368|; 515899)	4	0.293269231	4573056.704	1947802.888	2	7	2202168.496	314861.0289	2	6	1337820.352	311683.5128	2	4	1356307.659	990939.2198	2	4	1311146.104	1108305.496	2	3	1	1
COG0536 3A GTP-binding protein Obg (nmpd|SPy1333|; 515814)	4	0.125858124	5576705.271	1136416.603	2	6	3710832.162	356424.7927	2	6	2466265.977	736091.8457	2	4	1930545.397	548030.5716	2	3	2154563.886	319529.2968	2	4	1	1
Redox-sensitive transcriptional regulator (AT-rich DNA-binding protein) (nmpd|SPy1120|; 325559)	4	0.341121495	3816429.021	1707392.211	2	4	1560171.865	33935.52969	2	2	2741617.001	0	1	2	340461.3299	231900.3009	2	2	1962186.668	0	1	2	1	1
Dihydropteroate synthase (EC 2.5.1.15) (nmpd|SPy1098|folP; 515924)	4	0.229323308	1748803.866	802140.3234	2	3	0	0	0	0	278446.5111	0	1	1	0	0	0	0	0	0	0	0	1	1
GTP cyclohydrolase I (EC 3.5.4.16) type 1 (nmpd|SPy1097|folE; 515700)	4	0.265	6689545.797	2083913.085	2	4	4024227.768	80564.12184	2	4	2111664.928	722579.4092	2	3	2029273.803	1236572.865	2	3	810606.1748	0	1	1	1	1
PTS system 2C mannose 2Ffructose family IIB component (nmpd|SPy1058|; 514995)	4	0.466257669	5997803.703	397250.9411	2	5	7485262.265	780386.2082	2	6	2422632.355	0	1	1	649566.9408	0	1	1	0	0	0	0	1	1
GTP-binding protein LepA (nmpd|SPy1053|lepA; 514911)	4	0.1	6708255.026	3591039.244	2	7	2198995.761	1800700.904	2	3	1563615.392	1101360.634	2	4	1489512.921	1272905.077	2	4	0	0	0	0	1	1
Ribose 5-phosphate isomerase A (EC 5.3.1.6) (nmpd|SPy0889|rpiA; 515744)	4	0.251101322	5508406.618	69626.82021	2	6	3126332.11	568624.9213	2	3	3463318.869	421443.9336	2	4	4674605.456	640931.3203	2	4	4523381.64	53917.91625	2	4	1	1
Glutathione reductase (EC 1.8.1.7) (nmpd|SPy0813|; 514988)	4	0.153333333	3861459.753	1216096.116	2	5	3890632.822	1413738.201	2	5	3433267.445	1353698.929	2	5	3331088.425	1587015.193	2	5	1678009.218	566889.0351	2	3	1	1
Phosphoglycerol transferase (nmpd|SPy0807|; 411637)	4	0.108695652	3381332.362	1161588.221	2	4	2211537.817	2042195.662	2	3	2314113.351	684718.6538	2	3	1874822.159	295754.5752	2	4	891248.5401	225672.5782	2	2	1	1
LSU ribosomal protein L35p (nmpd|SPy0805|rpmI; 325356)	4	0.184615385	40754533.42	22512932.73	2	8	48411713.55	4785399.885	2	10	25170546.73	842679.0533	2	8	29050335.31	855181.3599	2	8	18705827.88	2336730.007	2	6	1	1
Cytidylate kinase (EC 2.7.4.14) (nmpd|SPy0803|; 515509)	4	0.252212389	2882162.251	243009.6198	2	6	1736072.108	188928.7944	2	5	867306.325	606878.0416	2	3	300873.8388	0	1	1	0	0	0	0	1	1
ATP synthase gamma chain (EC 3.6.3.14) (nmpd|SPy0759|atpG; 325316)	4	0.206185567	5348152.644	2369727.121	2	6	2832566.526	267916.1721	2	6	5314768.802	868462.492	2	6	2804783.686	2830006.088	2	4	3485596.74	1627903.615	2	6	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0617|; 325252)	4	0.226765799	1546986.156	147390.8939	2	2	0	0	0	0	2635931.719	2813298.631	2	3	3151648.665	0	1	1	556046.7781	221772.9266	2	2	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0567|; 515322)	4	0.241509434	7279058.194	1809904.176	2	6	2982795.664	865614.2053	2	5	4371729.551	152199.9419	2	6	3150348.449	127560.5488	2	4	1340678.951	1013788.091	2	3	1	1
N-terminal fragment of SPy0560 (nmpd|SPy0560|; 515272)	4	0.156908665	3197291.705	3176165.867	2	5	3143158.392	256388.1534	2	5	1196344.249	617409.6061	2	3	1703630.238	0	1	2	0	0	0	0	1	1
Oxygen-insensitive NAD(P)H nitroreductase (EC 1.-.-.-) 2F Dihydropteridine reductase (EC 1.6.99.7) (nmpd|SPy0512|; 515395)	4	0.235294118	2938395.448	203238.2507	2	4	2471161.055	812855.9042	2	3	3600711.459	1792302.64	2	6	6076531.106	2674533.852	2	7	2888906.253	2641124.329	2	4	1	1
Lactoylglutathione lyase (EC 4.4.1.5) (nmpd|SPy0511|gloA; 325167)	4	0.392	5626370.069	1124524.93	2	5	1319237.248	602039.8892	2	2	5449648.147	2186157.661	2	4	10186091.54	5688536.26	2	6	7640303.365	2668081.321	2	7	1	1
Ribosomal large subunit pseudouridine synthase B (EC 4.2.1.70) (nmpd|SPy0369|; 515173)	4	0.191666667	3612475.067	1110742.314	2	5	2488471.071	112535.4623	2	4	1326546.791	279355.265	2	3	2290744.45	612993.6506	2	4	1472456.78	103622.7761	2	2	1	1
COG1559 protein yceG like (nmpd|SPy0348|; 515319)	4	0.127862595	4574774.456	294996.8562	2	5	4353807.761	1043147.808	2	6	1640558.476	20081.54058	2	2	3899327.613	3269960.246	2	3	2372709.441	0	1	2	1	1
Amino acid ABC transporter 2C glutamine-binding protein 2Fpermease protein (nmpd|SPy0277|; 515262)	4	0.137931034	5599326.21	102439.5102	2	7	5343300.784	289835.0035	2	6	3467945.768	865022.3125	2	5	1005648.875	438265.925	2	2	849706.8734	6596.828403	2	2	1	1
L-proline Glycine Betaine ABC transport system permease protein proW (TC 3.A.1.12.1) (nmpd|SPy0184|opuABC; 515031)	4	0.097391304	5987537.901	4615459.463	2	4	7221794.81	2692231.062	2	4	4283874.34	1343881.375	2	4	961221.5656	903394.9504	2	2	0	0	0	0	1	1
Translation initiation factor 1 (nmpd|SPy0075|infA; 350746)	4	0.777777778	53538456.16	2861596.753	2	7	34727617.09	7046745.242	2	7	34876026.08	3354541.993	2	8	46321549.87	999181.8076	2	8	47990393.47	3882491.089	2	7	1	1
Fatty acid 2Fphospholipid synthesis protein plsX (nmpd|SPy0022|plsX; 514936)	4	0.167164179	3577467.546	1133695.517	2	4	2523838.041	144184.1339	2	4	1863333.049	468706.503	2	4	1482908.102	1467755.075	2	3	2412645.125	331533.0152	2	3	1	1
S-adenosylmethionine 3AtRNA ribosyltransferase-isomerase (EC 5.-.-.-) (nmpd|SPy1400|queA; 514937)	3	0.187134503	785197.7811	0	1	1	248455.9829	0	1	1	655745.815	0	1	1	0	0	0	0	0	0	0	0	1	1
Hypothetical protein SPy1261 (nmpd|SPy1261|; 325680)	3	0.303030303	5700333.887	145011.4983	2	3	8134135.766	59167.11847	2	2	2968098.705	3701369.837	2	2	5706911.523	1921637.528	2	3	1125383.021	0	1	2	1	1
Esterase (EC 3.1.1.-) (nmpd|SPy1308|; 515347)	3	0.091743119	1613326.292	11772.39217	2	2	2229199.777	86908.73022	2	2	1405586.055	40654.85573	2	2	1357121.393	28727.62805	2	2	919375.0044	0	1	1	1	1
Tryptophanyl-tRNA synthetase (EC 6.1.1.2) (nmpd|SPy2207|trsA; 514940)	3	0.138235294	3194667.104	579606.1637	2	4	1539097.213	368164.6587	2	3	2285246.398	44356.2815	2	4	952390.865	90356.51034	2	2	670735.0795	0	1	1	1	1
Hyaluronan synthase (EC 2.4.1.212) (nmpd|SPy2200|hasA; 386411)	3	0.095465394	0	0	0	0	0	0	0	0	0	0	0	0	2859677.071	0	1	2	5825379.193	965355.2084	2	5	1	1
LSU ribosomal protein L33p (nmpd|SPy2160|rpmG; 326549)	3	0.510204082	106391509.1	34791345.22	2	6	99467454.67	25701385.88	2	6	62259230.96	20651162.04	2	6	57652374.12	9742069.062	2	6	32345612.11	13892268.98	2	4	1	1
hypothetical protein (nmpd|SPy2034|; 326444)	3	0.43877551	324923.9326	0	1	1	250543.1308	0	1	1	1033511.268	907903.2347	2	4	1078355.988	825461.7964	2	3	1164443.383	0	1	2	1	1
Transcriptional regulatory protein (nmpd|SPy1862|; 350761)	3	0.606060606	19015582.73	5206949.468	2	4	14109777.72	1484105.713	2	4	10100388.17	1125698.929	2	4	10019132.92	407833.5652	2	4	10697305.64	2094815.551	2	4	1	1
Thioredoxin (nmpd|SPy1835|; 515872)	3	0.413461538	10635269.3	8060897.037	2	5	11190282.71	1161996.881	2	6	13015590.42	736411.2012	2	6	8927117.271	5539498.504	2	5	4060965.834	1481337.267	2	3	1	1
Trans-2 2Ccis-3-Decenoyl-ACP isomerase (nmpd|SPy1758|phaB; 515447)	3	0.133079848	2357857.114	0	1	2	1209771.164	239366.1821	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
3-oxoacyl- 5Bacyl-carrier-protein 5D synthase 2C KASIII (EC 2.3.1.41) (nmpd|SPy1754|fabH; 515345)	3	0.219135802	5307802.162	1203735.264	2	5	4835451.019	1523189.752	2	5	2694044.821	193771.4585	2	2	1090789.964	440571.0986	2	2	0	0	0	0	1	1
ABC transporter 2C ATP-binding protein (nmpd|SPy1729|; 326184)	3	0.182572614	3363455.365	477952.6514	2	5	1985353.838	232044.9156	2	4	5454762.445	1403457.843	2	4	1265636.625	1254283.202	2	2	345938.058	0	1	1	1	1
SSE esterase (nmpd|SPy1718|sse; 515330)	3	0.210365854	0	0	0	0	0	0	0	0	0	0	0	0	590006.09	0	1	1	2549196.967	911408.1498	2	3	1	1
DegV family protein (nmpd|SPy1698|; 515103)	3	0.142857143	1545665.482	333537.6688	2	2	1475812.112	235306.6289	2	2	1182170.45	0	1	1	1132143.439	61912.11677	2	2	0	0	0	0	1	1
ABC transporter ATP-binding protein - aspartate 2Fglutamate transport (nmpd|SPy1657|; 515008)	3	0.206477733	6806798.972	2422199.717	2	5	3537469.558	120852.3811	2	5	1762612.06	253376.8086	2	3	2433813.169	112310.6242	2	4	1314018.902	0	1	1	1	1
Cell division initiation protein (nmpd|SPy1646|; 326117)	3	0.268518519	9750692.057	2102203.386	2	4	9065900.407	1209579.295	2	4	11101268.98	0	1	2	3046272.133	3439636.895	2	3	4360978.655	2804633.388	2	2	1	1
Ribosylhomocysteinase (EC 3.2.1.148) 2F Autoinducer-2 production protein LuxS (nmpd|SPy1642|luxS; 515315)	3	0.3625	4417985.812	2225005.594	2	3	5822892.123	487254.6075	2	5	4786331.218	12376.77317	2	3	6986890.255	1522618.378	2	5	8364113.445	1019396.293	2	6	1	1
Guanylate kinase (EC 2.7.4.8) (nmpd|SPy1632|; 515467)	3	0.203791469	5464128.6	0	1	3	0	0	0	0	1870000.502	0	1	2	0	0	0	0	0	0	0	0	1	1
UDP-N-acetylmuramoylalanine--D-glutamate ligase (EC 6.3.2.9) (nmpd|SPy1525|murD; 514947)	3	0.159292035	3790134.696	2042963.812	2	5	1986056.867	869187.6908	2	3	2914489.553	576349.0399	2	5	1070102.225	330094.5018	2	2	0	0	0	0	1	1
DegV family protein (nmpd|SPy1493|; 515826)	3	0.17562724	2908482.588	818148.191	2	6	459130.0635	0	1	1	0	0	0	0	0	0	0	0	972787.4157	0	1	1	1	1
hypothetical protein (nmpd|SPy1264|; 515942)	3	0.15270936	6812041.476	1326772.422	2	6	7173139.779	699380.7018	2	5	7305264.914	1507846.421	2	5	5342560.549	2230777.862	2	4	1032299.422	755067.1574	2	2	1	1
SSU ribosomal protein S20p (nmpd|SPy1234|rpsT; 350754)	3	0.363636364	456042841.8	177908.3799	2	2	357610013	6105987.968	2	2	349369534.7	1365957.512	2	2	354296735.4	59718439.81	2	3	365537367.4	42569714.78	2	2	1	1
hypothetical protein (nmpd|SPy1157|; 515829)	3	0.450819672	5975601.289	979870.3308	2	6	6156820.804	2036462.339	2	5	3681232.991	1039543.683	2	4	2414554.366	973931.5433	2	2	2346922.428	0	1	1	1	1
Sortase (nmpd|SPy1154|; 325590)	3	0.116465863	4875912.176	3019114.966	2	6	2485009.579	525078.4385	2	5	4170944.89	330808.7798	2	6	1962272.758	2128178.06	2	4	2733780.615	118611.8944	2	6	1	1
Thymidine kinase (EC 2.7.1.21) (nmpd|SPy1140|tdk2; 515055)	3	0.259259259	1241440.055	0	1	1	156923.9517	0	1	1	1137883.713	971844.3033	2	3	533348.1316	391898.3171	2	2	1267846.891	582013.1726	2	3	1	1
Xanthine phosphoribosyltransferase (EC 2.4.2.-) (nmpd|SPy1136|; 325573)	3	0.233160622	908850.1673	603041.0639	2	2	0	0	0	0	1555535.564	207284.5108	2	3	2418558.637	273981.8576	2	3	1921038.018	199668.6406	2	2	1	1
Polysaccharide deacetylase (nmpd|SPy1094|; 515784)	3	0.146875	3992218.359	468050.4326	2	4	2959233.422	164848.5937	2	4	2664153.142	136023.0685	2	4	2718226.346	118605.5485	2	4	2604844.862	567653.4905	2	4	1	1
hypothetical protein (nmpd|SPy1037|; 515743)	3	0.172955975	1505198.881	589258.6226	2	3	1388327.586	443963.1177	2	2	788464.2357	162877.0145	2	2	381131.2208	273625.0579	2	2	423665.5748	0	1	1	1	1
hypothetical protein (nmpd|SPy0919|; 325466)	3	0.672413793	17523592.84	3474381.239	2	6	17720571.16	2030881.657	2	6	13234558.72	452790.3604	2	6	11988897.49	1429254.187	2	6	8359353.332	1421925.609	2	6	1	1

GTP-binding protein EngB (nmpd|SPy0886|; 520042)	3	0.231155779	2740957.56	774652.2993	2	5	455281.6078	151072.2181	2	2	1369673.727	771869.131	2	3	1121036.524	859805.9168	2	3	920234.3864	457445.926	2	4	1	1
16S rRNA processing protein RimM (nmpd|SPy0847|; 515950)	3	0.25	11464414.28	1031565.72	2	7	9738086.593	604188.0669	2	7	6656588.873	1611464.285	2	6	5005616.343	1735514.57	2	6	3760472.835	1745985.42	2	4	1	1
RNA binding protein (nmpd|SPy0841|; 325387)	3	0.417721519	2466594.45	528093.4383	2	4	1086561.011	628609.1954	2	2	1316792.116	0	1	2	0	0	0	0	0	0	0	0	1	1
3-dehydroquinate dehydratase (EC 4.2.1.10) (nmpd|SPy0809|aroD; 325360)	3	0.23245614	4685605.668	2906366.101	2	4	2776841.409	293099.6382	2	2	4087397.273	434941.4776	2	4	1870876.95	0	1	1	1424027.501	151367.2319	2	2	1	1
ATP synthase epsilon chain (EC 3.6.3.14) (nmpd|SPy0761|atpC; 350750)	3	0.471014493	6086967.146	2189139.645	2	5	4571483.462	588139.1439	2	5	6565052.368	264401.2289	2	6	5376516.6	857631.5028	2	6	2864010.184	1134581.746	2	3	1	1
Transcription regulator 5Bcontains diacylglycerol kinase catalytic domain 5D (nmpd|SPy0752|; 514867)	3	0.120588235	1645082.956	1695459.675	2	3	1029065.642	0	1	1	831097.072	365352.1163	2	2	625533.2453	0	1	1	0	0	0	0	1	1
Cell division transporter 2C ATP-binding protein ftsE (TC 3.A.5.1.1) (nmpd|SPy0644|ftsE; 325271)	3	0.169565217	2390764.592	1483817.57	2	3	4093381.679	4137190.589	2	3	1157755.295	347282.8402	2	2	830115.2285	203372.3572	2	2	699730.8749	206999.3219	2	2	1	1
hypothetical protein (nmpd|SPy0588|; 514839)	3	0.323943662	7649345.283	883308.0981	2	6	9842673.223	27569.1431	2	6	4127181.643	1639243.03	2	5	3876268.733	3826572.076	2	4	2024388.108	67322.34636	2	4	1	1
Two-component response regulator SA14-24 (nmpd|SPy0528|vicR; 325188)	3	0.220338983	2171495.167	1028826.073	2	4	1179638.688	428005.8356	2	3	2415509.764	1106293.738	2	5	1221896.196	875999.6267	2	4	764910.3043	97334.23011	2	3	1	1
GTP-binding protein Era (nmpd|SPy0476|; 515427)	3	0.187919463	5474931.529	887785.0373	2	6	1384296.11	605687.9726	2	2	1715347.117	0	1	1	1229757.969	0	1	1	307488.4399	0	1	1	1	1
Uridylate kinase (EC 2.7.4.-) (nmpd|SPy0462|pyrH; 325123)	3	0.157024793	7708120.138	2645185.861	2	2	4657001.536	226289.2816	2	2	10459010.03	8864101.175	2	3	13513810.33	12479547.86	2	3	3370522.676	566964.4005	2	2	1	1
Exodeoxyribonuclease III (EC 3.1.11.2) (nmpd|SPy0412|exoA; 515437)	3	0.170909091	1327449.936	37392.69724	2	3	620670.4557	0	1	1	1224807.997	798508.3415	2	3	895239.2402	0	1	1	756137.4453	0	1	1	1	1
Thymidylate kinase (EC 2.7.4.9) (nmpd|SPy0399|; 515271)	3	0.18957346	2325963.116	227150.7136	2	6	997866.1184	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
ATP-dependent Clp protease proteolytic subunit (EC 3.4.21.92) (nmpd|SPy0395|clpP; 325073)	3	0.260204082	4277568.423	4547016.325	2	3	2941450.026	2027053.188	2	4	7859738.262	1449748.139	2	4	7234624.495	798930.0462	2	4	6227643.986	1578122.225	2	4	1	1
Membrane protein oxaA 2 precursor (nmpd|SPy0351|; 515176)	3	0.133550489	4336839.301	1718033.621	2	5	4680761.69	967934.3988	2	5	3485711.141	556693.4216	2	5	3155070.571	1252941.403	2	5	1129221.382	574002.3078	2	2	1	1
GTP-binding protein EngA (nmpd|SPy0341|pgdA; 325034)	3	0.107798165	2036370.204	644724.5297	2	2	0	0	0	0	1224226.678	0	1	1	1047873.785	313362.7953	2	2	1005143.47	0	1	1	1	1
Potassium uptake protein KtrA (nmpd|SPy0326|; 325023)	3	0.241071429	3746171.881	1570287.58	2	5	1873091.129	191871.098	2	2	2274058.378	486831.2654	2	2	1605285.744	0	1	1	1326996.782	0	1	1	1	1
RNA binding protein (nmpd|SPy0307|; 533418)	3	0.5	2281220.494	405921.4324	2	2	2924621.173	0	1	1	2390870.839	0	1	1	1818001.303	0	1	1	1795781.992	149951.0398	2	2	1	1
Oligopeptide transport system permease protein oppB (TC 3.A.1.5.1) (nmpd|SPy0294|oppB; 515292)	3	0.068	4999536.728	0	1	3	3302240.848	2096688.344	2	3	5178184.461	787267.7504	2	5	3384401.46	0	1	2	2257895.583	588877.3125	2	5	1	1
Amino acid transport ATP-binding protein (nmpd|SPy0276|; 515738)	3	0.195121951	3963680.342	1897940.378	2	4	2105282.86	9212.568943	2	2	1959970.03	321289.7078	2	3	1260837.923	83292.15272	2	2	1350906.309	226608.2727	2	3	1	1
Ribulose-phosphate 3-epimerase (EC 5.1.3.1) (nmpd|SPy0264|; 324977)	3	0.236363636	11776474.1	2179690.702	2	4	8161639.666	1810201.027	2	5	13982868.78	19833.33188	2	4	15297078.06	778941.5053	2	5	14358784.51	3380351.252	2	4	1	1
Preprotein translocase secY subunit (TC 3.A.5.1.1) (nmpd|SPy0073|secY; 515722)	3	0.15437788	1863456.211	501510.7568	2	2	1675873.085	116239.798	2	2	1290450.882	55703.9757	2	2	1076135.527	48806.75472	2	2	921384.7293	26922.22451	2	2	1	1
Secreted antigen GbpB,SagA,PcsB, putative peptidoglycan hydrolase (nmpd|SPy0019|sibA; 514904)	3	0.133165829	1615748.991	324295.2849	2	3	894807.9102	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Phosphate starvation-inducible protein PhoH 2C predicted ATPase (nmpd|SPy0471|phoH; 515767)	2	0.091428571	0	0	0	0	0	0	0	0	0	0	0	0	360743.6536	0	1	1	368827.8769	10759.76738	2	2	1	1
Hypothetical protein SP1558 (nmpd|SPy0864|; 325408)	2	0.373015873	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	471680.6296	0	1	1	1	1
COG2740 3A Predicted nucleic-acid-binding protein implicated in transcription termination (nmpd|SPy1723|; 533442)	2	0.234693878	2641388.949	722787.1353	2	3	1874052.5	337382.533	2	3	1544514.338	546693.0195	2	3	1207399.899	114100.6121	2	2	686834.8303	0	1	1	1	1
GTP pyrophosphokinase (EC 2.7.6.5) (nmpd|SPy1125|; 325564)	2	0.125560538	1502897.242	1005283.755	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Alcohol dehydrogenase (EC 1.1.1.1) (nmpd|SPy0044|adhA; 515637)	2	0.147928994	464390.739	0	1	1	519870.5118	0	1	1	0	0	0	0	760288.1526	244994.0511	2	2	336780.6406	0	1	1	1	1
Ribosomal protein L11 methyltransferase (EC 2.1.1.-) (nmpd|SPy1988|; 515451)	2	0.110410095	1427322.398	566700.0377	2	2	979722.8551	130440.9978	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Hydroxymethylglutaryl-CoA synthase (EC 2.3.3.10) (nmpd|SPy0881|mvaS.2; 515029)	2	0.058823529	4218388.747	282876.5414	2	2	2784663.656	276363.4266	2	2	1889492.879	312746.1888	2	2	1917464.341	35541.5973	2	2	1098538.95	502459.4081	2	2	1	1
Cell division protein ftsX (nmpd|SPy0645|ftsX; 515759)	2	0.141025641	3529395.27	0	1	1	1606221.386	0	1	1	2613965.154	27900.64794	2	2	2813881.001	0	1	1	885781.3207	784633.1285	2	2	1	1
3-ketoacyl-CoA thiolase (EC 2.3.1.16) 3B Acetyl-CoA acetyltransferase (EC 2.3.1.9) (nmpd|SPy1637|atoB; 514996)	2	0.096202532	2921132.703	231742.3144	2	4	1998039.044	181185.403	2	2	1772874.877	751478.5691	2	3	825246.2723	43057.4767	2	2	500997.1735	0	1	1	1	1
2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase (EC 2.7.6.3) (nmpd|SPy1100|folK; 515304)	2	0.180722892	0	0	0	0	1431324.119	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Deoxyguanosinetriphosphate triphosphohydrolase (EC 3.1.5.1) (nmpd|SPy0621|; 515605)	2	0.090069284	307030.8654	0	1	1	514892.1674	10437.86955	2	2	788082.0493	0	1	1	844351.3295	63505.1763	2	2	1370580.524	751770.302	2	3	1	1
Metal-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy0208|; 515526)	2	0.073359073	3069828.374	2159598.209	2	3	2121829.41	925921.0882	2	3	1063592.693	47758.67987	2	2	1892148.915	696290.633	2	3	1005425.086	0	1	1	1	1
Pyrroline-5-carboxylate reductase (EC 1.5.1.2) (nmpd|SPy0112|proC; 515716)	2	0.1640625	1030682.898	142693.6158	2	2	837952.6206	420677.7307	2	2	0	0	0	0	539348.2016	0	1	1	228039.5484	0	1	1	1	1
Translation initiation inhibitor (nmpd|SPy0145|; 324891)	2	0.181818182	2284596.104	1630536.488	2	3	1183010.642	149353.4478	2	2	2241926.342	1080805.487	2	3	3872554.902	617882.7418	2	4	2923751.156	102771.2008	2	3	1	1
Glycerol uptake facilitator protein (nmpd|SPy1854|glpF.2; 326301)	2	0.095238095	5244717	483534.0804	2	2	5186760.272	638137.6274	2	2	3391790.275	569781.2864	2	3	3148886.412	672680.4489	2	2	4745748.358	867668.3778	2	4	1	1
hypothetical protein (nmpd|SPy0802|; 325353)	2	0.259493671	5485541.217	1015140.103	2	3	4980884.625	254134.7201	2	2	5171326.088	424995.9151	2	2	3407504.859	0	1	1	2356154.214	29023.46822	2	2	1	1
Phosphate ABC transporter 2C periplasmic phosphate-binding protein pstS (TC 3.A.1.7.1) (nmpd|SPy1245|pstS; 515954)	2	0.090277778	720032.9406	0	1	1	0	0	0	0	238039.7383	0	1	1	0	0	0	0	0	0	0	0	1	1
GTPase and tRNA-U34 5-formylation enzyme TrmE (nmpd|SPy1071|thdF; 515955)	2	0.063318777	664473.166	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Hypothetical protein SPy2060 (nmpd|SPy2060|; 326468)	2	0.26984127	0	0	0	0	0	0	0	0	700063.3791	0	1	1	985388.7016	0	1	1	3728416.11	1965905.579	2	4	1	1
Integral membrane protein (nmpd|SPy1828|; 533398)	2	0.165137615	3582260.997	776920.879	2	2	3095422.291	141624.8289	2	2	3156755.505	141353.6009	2	2	2127689.526	0	1	1	0	0	0	0	1	1
N-acetylglucosamine-6-phosphate deacetylase (EC 3.5.1.25) (nmpd|SPy1694|nagA; 515688)	2	0.09947644	2323596.607	24712.75672	2	2	1687580.307	419892.7512	2	2	1746176.534	97253.81819	2	2	1323402.896	565987.1074	2	2	3152455.691	318302.9726	2	4	1	1
hypothetical protein (nmpd|SPy1518|; 515489)	2	0.050458716	2313301.917	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	491656.083	175923.5475	2	2	1	1
Transcriptional regulator 2C GntR family (nmpd|SPy1285|; 515371)	2	0.268292683	0	0	0	0	0	0	0	0	657072.2948	0	1	1	0	0	0	0	446003.4768	0	1	1	1	1
Amino acid ABC transporter 2C amino acid-binding protein (nmpd|SPy1274|; 515107)	2	0.115107914	2420075.615	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	295406.3094	0	1	1	1	1
bacterial seryl-tRNA synthetase related (nmpd|SPy0593|; 325234)	2	0.257142857	3423783.523	2689931.019	2	3	0	0	0	0	1830877.708	789417.3194	2	2	2177438.844	0	1	1	989729.1665	0	1	1	1	1
Iron-sulfur cluster assembly protein SufD (nmpd|SPy0287|; 514967)	2	0.080952381	1128462.779	888573.814	2	3	376192.8329	0	1	1	973486.7519	425408.259	2	3	909881.7533	385150.8395	2	3	639642.5096	269534.4161	2	3	1	1
Membrane-associated zinc metalloprotease (nmpd|SPy1963|; 515571)	2	0.076372315	1711190.507	212160.6023	2	2	1611548.236	61412.32337	2	2	1286983.018	42674.51373	2	2	1025167.62	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1945|; 520051)	2	0.144	349697.7354	0	1	1	0	0	0	0	563321.5041	0	1	1	519575.9252	0	1	1	599799.9524	0	1	1	1	1
Cysteinyl-tRNA synthetase (EC 6.1.1.16) (nmpd|SPy1941|cysS; 515568)	2	0.058165548	1406251.671	1246455.294	2	3	680935.9074	0	1	1	824971.8538	155860.9823	2	2	0	0	0	0	0	0	0	0	1	1
rRNA methylases (nmpd|SPy1938|; 515528)	2	0.108870968	3835130.257	596683.5238	2	4	2773724.587	90406.93602	2	4	2034257.616	118311.3847	2	3	2113364.388	296447.0209	2	4	1527598.083	0	1	1	1	1
DegV family protein (nmpd|SPy1936|; 326372)	2	0.157342657	2662123.935	0	1	1	1257876.042	0	1	1	773588.674	0	1	1	0	0	0	0	0	0	0	0	1	1
Alkaline shock protein 2 (nmpd|SPy1886|; 326330)	2	0.107438017	5324122.509	1438679.303	2	2	3343701.962	55782.29211	2	2	3554676.89	1307826.584	2	3	3483278.947	854961.5701	2	3	3414722.93	192810.4188	2	3	1	1
Putative regulator of the mannose operon 2C ManO (nmpd|SPy1741|; 326195)	2	0.201680672	0	0	0	0	0	0	0	0	0	0	0	0	318969.6285	0	1	1	232696.3498	0	1	1	1	1
hypothetical protein (nmpd|SPy1697|; 326158)	2	0.125	777687.8897	0	1	1	555189.8928	0	1	1	1565667.082	0	1	2	274075.1038	0	1	1	594401.871	0	1	1	1	1
3-dehydroquinate synthase (EC 4.2.3.4) (nmpd|SPy1577|aroB; 514960)	2	0.072829132	1308874.287	43073.65573	2	2	1006826.175	0	1	1	1143915.056	277816.4813	2	3	1751823.89	284141.5431	2	2	1193723.287	634931.5413	2	2	1	1
hypothetical protein (nmpd|SPy1551|; 520038)	2	0.142857143	2381769.69	502959.1499	2	3	1671504.131	41122.42334	2	2	1541238.548	0	1	1	1829408.431	369016.5461	2	3	588857.8764	0	1	1	1	1
Ornithine carbamoyltransferase (EC 2.1.3.3) (nmpd|SPy1544|arcB; 515028)	2	0.097922849	3142666.611	1605754.986	2	4	4733189.52	661352.338	2	5	394913.9039	0	1	1	644773.7557	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1511|; 515039)	2	0.2	6487522.759	2041855.387	2	5	1727496.862	0	1	2	5624083.635	1302828.773	2	5	4610698.406	103924.3543	2	4	5111254.285	360589.1063	2	4	1	1
Mutator mutT protein (7 2C8-dihydro-8-oxoguanine-triphosphatase) (EC 3.6.1.-) (nmpd|SPy1510|mutT; 325981)	2	0.291390728	4123961.364	1002979.478	2	4	4355811.39	1143492.642	2	4	3801476.528	2934427.775	2	3	4630914.099	1728744.652	2	4	5745929.218	118549.6261	2	4	1	1
Alkylphosphonate utilization operon protein PhnA (nmpd|SPy1277|; 515587)	2	0.198198198	21045943.62	6043407.42	2	3	16320069.01	577794.939	2	2	11148042.19	5146245.256	2	2	9632888.042	5135051.595	2	2	17391526.27	1469196.432	2	2	1	1
ABC transporter ATP-binding protein - glutamine transport (nmpd|SPy1275|; 515475)	2	0.181818182	1150872.427	363337.9985	2	3	1484922.17	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Arsenate reductase family protein (nmpd|SPy1249|; 350756)	2	0.208955224	1137920.759	105539.6957	2	2	1281487.475	242391.4352	2	2	1039806.379	86039.4842	2	2	980946.4662	324833.764	2	2	480466.5799	0	1	1	1	1
Phosphate transport ATP-binding protein pstB (TC 3.A.1.7.1) (nmpd|SPy1242|pstB2; 325661)	2	0.101123596	2019719.352	1110156.543	2	3	0	0	0	0	1277463.943	158738.9325	2	3	0	0	0	0	0	0	0	0	1	1
UDP-N-acetylenolpyruvoylglucosamine reductase (EC 1.1.1.158) (nmpd|SPy1101|murB; 515916)	2	0.098305085	3776946.817	389593.8883	2	4	1375189.54	92267.18475	2	2	1070653.771	68614.12956	2	2	867953.0806	330718.2187	2	2	742575.3214	265037.7052	2	2	1	1
hypothetical protein (nmpd|SPy0942|; 520067)	2	0.107526882	490198.8409	104499.8405	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Rhodanese-related sulfurtransferases (nmpd|SPy0915|; 514878)	2	0.12804878	2550079.766	924498.6035	2	4	1393084.075	714621.1604	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Large-conductance mechanosensitive channel (nmpd|SPy0780|mscL; 325334)	2	0.258333333	7490253.969	3663992.743	2	4	3645332.63	356215.1361	2	2	3738483.643	425643.0815	2	3	2081323.409	485791.7307	2	2	2425768.951	0	1	2	1	1
Aspartate aminotransferase (EC 2.6.1.1) (nmpd|SPy0650|aspC; 515354)	2	0.080604534	2613561.81	148503.2092	2	4	1696048.451	0	1	2	1389627.82	807465.7351	2	3	1112555.027	0	1	1	1222874.812	1099319.114	2	3	1	1
Peptidase family U32 (nmpd|SPy0591|; 515149)	2	0.077102804	1512164.84	325928.6119	2	2	1052243.847	358826.7104	2	2	536319.0329	0	1	1	553229.7738	0	1	1	0	0	0	0	1	1
PROTEASE (EC 3.4.-.-) (nmpd|SPy0590|; 515931)	2	0.090909091	1579503.843	0	1	2	460389.0762	28135.42182	2	2	602494.3073	0	1	1	311026.1666	0	1	1	0	0	0	0	1	1
Oligopeptide transport ATP-binding protein oppF (TC 3.A.1.5.1) (nmpd|SPy0297|oppF; 325004)	2	0.133550489	0	0	0	0	655744.0381	0	1	1	0	0	0	0	457293.2698	0	1	1	0	0	0	0	1	1
Oligopeptide transport ATP-binding protein oppD (TC 3.A.1.5.1) (nmpd|SPy0296|oppD; 325003)	2	0.078651685	1386103.122	57319.10159	2	2	1717870.915	180447.7669	2	2	3600519.211	0	1	2	1863736.775	907864.5501	2	3	1452516.035	293905.1324	2	2	1	1
Dimethyladenosine transferase (EC 2.1.1.-) (nmpd|SPy0262|ksgA; 515549)	2	0.093103448	3606414.826	98825.25841	2	4	2526052.619	80096.46949	2	4	2830208.565	947254.2201	2	4	1740848.741	577208.8324	2	3	1034847.748	342410.633	2	2	1	1
Deoxyuridine 5'-triphosphate nucleotidohydrolase (EC 3.6.1.23) (nmpd|SPy0235|; 520078)	2	0.22972973	3063308.904	751184.6031	2	3	2490900.008	129360.907	2	2	4658493.699	293886.7547	2	4	4478698.109	257919.4927	2	4	4060666.046	2452903.313	2	3	1	1
Transcriptional repressor AdcR for Zn(2 2B)-responsive expression (nmpd|SPy0092|adcR; 515533)	2	0.156462585	1464105.995	967254.3649	2	3	1443827.212	421431.2748	2	3	2270585.606	1268930.756	2	4	1769424.783	119672.0273	2	4	1387595.626	592307.8978	2	3	1	1
LSU ribosomal protein L36p (nmpd|SPy0076|rpmJ; 324838)	2	0.605263158	234659384.2	29114967.32	2	4	223981272.6	13387613.53	2	4	149116858.2	33369308.21	2	4	142435446.3	26486421.58	2	4	148269232.6	27687763.78	2	4	1	1
Fibronectin-binding protein 2F Fibrinogen-binding protein (nmpd|SPy1013|; 386408)	1	0.02	334449.5858	74317.54739	2	2	0	0	0	0	187317.2627	0	1	1	0	0	0	0	0	0	0	0	0	1
Hypothetical protein SPy1581 (nmpd|SPy1581|; 326038)	1	0.089285714	892593.4847	0	1	1	0	0	0	0	482175.8625	0	1	1	615549.0902	31423.42233	2	2	0	0	0	0	0	1
ABC transporter ATP-binding protein (nmpd|SPy1674|; 515567)	1	0.049180328	1373579.696	34867.03232	2	2	1537526.802	0	1	1	1310503.413	43761.85999	2	2	918353.1263	416868.2919	2	2	0	0	0	0	0	1
DNA replication protein dnaD (nmpd|SPy0928|; 515836)	1	0.052863436	647344.7439	35366.99619	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Serine hydroxymethyltransferase (EC 2.1.2.1) (nmpd|SPy1145|glyA; 515027)	1	0.031100478	1333578.632	0	1	1	0	0	0	0	895863.483	0	1	1	813394.6805	0	1	1	0	0	0	0	1	1
L-asparaginase (EC 3.5.1.1) (nmpd|SPy1782|asnB; 515116)	1	0.068535826	0	0	0	0	0	0	0	0	0	0	0	0	808080.8989	0	1	1	769019.6949	0	1	1	1	1
IbrB (nmpd|SPy0190|; 515979)	1	0.068181818	603009.2549	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Acetyl-coenzyme A carboxyl transferase beta chain (EC 6.4.1.2) (nmpd|SPy1744|accD; 514975)	1	0.041666667	853169.8283	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
tRNA pseudouridine synthase A (EC 4.2.1.70) (nmpd|SPy1901|truA; 326341)	1	0.060240964	480887.8514	192773.2905	2	2	528738.9368	0	1	1	826521.9396	69236.0396	2	2	730901.9968	13654.18227	2	2	682565.1165	122479.5972	2	2	1	1
Transcriptional regulator of arginine metabolism expression (nmpd|SPy1496|; 515242)	1	0.076923077	979136.1314	100600.9451	2	2	357674.4645	0	1	1	620674.3386	111907.7744	2	2	527015.4516	59287.62492	2	2	0	0	0	0	1	1
RNA methyltransferase 2C TrmA family (nmpd|SPy1346|; 515712)	1	0.028138528	1668974.535	853148.7247	2	3	1215215.331	0	1	1	1651560.884	0	1	1	732825.4285	0	1	1	0	0	0	0	1	1
Inactive homolog of metal-dependent proteases 2C putative molecular chaperone (nmpd|SPy1874|; 515324)	1	0.060344828	1309958.238	94387.71741	2	2	882048.0671	0	1	1	1047059.069	0	1	1	0	0	0	0	0	0	0	0	1	1
Transcriptional regulator (nmpd|SPy1534|; 515752)	1	0.065420561	0	0	0	0	0	0	0	0	877302.9163	222970.115	2	2	0	0	0	0	0	0	0	0	1	1
Ubiquinone 2Fmenaquinone biosynthesis methyltransferase UbiE 2FCOQ5 (EC 2.1.1.-) (nmpd|SPy1582|; 514955)	1	0.047808765	616272.6923	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Phi Mu50B-like protein (nmpd|SPy0975|; 515160)	1	0.018484288	0	0	0	0	1236895.811	96674.9148	2	2	1300505.609	0	1	1	1083218.955	83964.43718	2	2	714266.0384	253111.2908	2	2	1	1
Cystathionine beta-lyase (EC 4.4.1.8) (EC 4.4.1.1) (nmpd|SPy0923|; 520082)	1	0.090047393	985141.2752	0	1	1	521603.2548	0	1	1	707452.5949	0	1	1	0	0	0	0	738997.0046	0	1	1	1	1
Neutral zinc metallopeptidase family (nmpd|SPy0775|; 325329)	1	0.036065574	969705.7311	0	1	1	0	0	0	0	699580.5374	0	1	1	715318.8811	71364.41525	2	2	0	0	0	0	1	1
dCMP deaminase (EC 3.5.4.12) 3B late competence protein comEB (nmpd|SPy1823|comEB; 515026)	1	0.137254902	604146.8693	0	1	1	615893.1293	0	1	1	769490.988	0	1	1	626067.1905	0	1	1	0	0	0	0	1	1
Negative regulator of genetic competence MecA (nmpd|SPy0281|mecA; 515387)	1	0.043478261	971056.1366	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Competence-induced protein Ccs4 (nmpd|SPy2111|; 515975)	1	0.019267823	841341.2431	0	1	1	646617.9591	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Cysteine desulfurase (EC 2.8.1.7) (nmpd|SPy1122|; 515367)	1	0.056	552878.929	0	1	1	0	0	0	0	311213.5215	0	1	1	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0359|; 325047)	1	0.175	2273075.135	62769.01149	2	2	2362935.243	0	1	1	0	0	0	0	2058501.465	349923.5964	2	2	1455396.855	0	1	1	1	1
Transcriptional regulator 2C GntR family (nmpd|SPy1259|; 515969)	1	0.070422535	1687311.728	0	1	1	0	0	0	0	738869.8351	0	1	1	369375.0833	0	1	1	0	0	0	0	1	1
Peptide chain release factor 2 (nmpd|SPy0643|prfB; 515622)	1	0.047477745	1726890.386	220398.0651	2	2	1258451.843	269524.9509	2	2	1441117.485	0	1	1	1207096.102	0	1	1	1071366.976	145487.1167	2	2	1	1
hypothetical protein (nmpd|SPy0439|; 515920)	1	0.141025641	2159090.035	315625.2766	2	2	2053446.147	71051.53272	2	2	2304803.4	0	1	1	1870477.795	0	1	1	474458.2318	0	1	1	1	1
Acyltransferase family (nmpd|SPy0041|; 515320)	1	0.042301184	285217.3703	0	1	1	0	0	0	0	1020560.222	0	1	1	1165674.276	0	1	1	0	0	0	0	1	1
Transcriptional regulator of fatty acid biosynthesis (nmpd|SPy1755|fabT; 515361)	1	0.090277778	1460412.461	405370.1725	2	2	1472839.31	0	1	1	2104424.088	0	1	1	1218883.415	0	1	1	0	0	0	0	1	1
Peptide methionine sulfoxide reductase (EC 1.8.4.6) (nmpd|SPy0466|msrA.2; 533379)	1	0.159763314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1102651.196	0	1	1	1	1
Ferrichrome-binding periplasmic protein precursor (TC 3.A.1.14.3) (nmpd|SPy0385|fhuD; 514881)	1	0.051612903	0	0	0	0	0	0	0	0	438866.47	0	1	1	0	0	0	0	860790.6974	0	1	1	1	1
hypothetical protein (nmpd|SPy2203|; 515458)	1	0.218978102	875394.5435	248204.9278	2	2	0	0	0	0	1247544.804	0	1	1	1181343.514	0	1	1	0	0	0	0	1	1
ABC-type cobalt transport system 2C ATPase component CbiO and related transporters (nmpd|SPy2195|; 515193)	1	0.047297297	666925.175	0	1	1	492402.8007	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy2005|; 326429)	1	0.303030303	1236275.428	250561.2396	2	2	1747852.53	538460.6642	2	2	960207.3336	0	1	1	2011154.83	18745.49109	2	2	1297019.164	434286.8927	2	2	1	1
Streptokinase (nmpd|SPy1979|ska; 386424)	1	0.052272727	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3014674.712	312787.0311	2	2	1	1
hypothetical protein (nmpd|SPy1939|; 515949)	1	0.101886792	861591.4481	0	1	1	1035559.085	0	1	1	925804.8408	151500.7964	2	2	1197715.487	184952.6507	2	2	590319.5707	46055.44752	2	2	1	1
Hydrolases of the alpha 2Fbeta superfamily (nmpd|SPy1892|; 515052)	1	0.068181818	1822182.957	129173.6715	2	2	1185893.025	481305.1542	2	2	0	0	0	0	1140722.605	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1875|; 326321)	1	0.210526316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	666941.039	0	1	1	1	1
hypothetical protein (nmpd|SPy1845|; 326295)	1	0.0875	1571135.421	0	1	1	1058380.805	0	1	1	940153.8793	0	1	1	0	0	0	0	772376.7943	46011.35828	2	2	1	1
hypothetical protein (nmpd|SPy1840|; 326291)	1	0.176470588	1273096.834	0	1	1	864381.0086	0	1	1	1527665.638	246037.8121	2	2	1660741.287	0	1	1	1078881.513	0	1	1	1	1
Transcription termination protein NusB (nmpd|SPy1818|nusB; 340954)	1	0.126666667	3434168.148	2929208.534	2	2	1473167.649	0	1	1	2163194.302	164067.5759	2	2	1951555.285	118849.037	2	2	1670884.924	254822.5387	2	2	1	1
Biotin carboxyl carrier protein of acetyl-CoA carboxylase (nmpd|SPy1747|accB; 520028)	1	0.234939759	2588964.693	0	1	1	1706761.665	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1731|; 326186)	1	0.13559322	990289.1847	0	1	1	1418416.283	0	1	1	982428.8254	240612.166	2	2	1178036.609	327510.4149	2	2	1149129.806	202690.3365	2	2	1	1

tRNA (guanine46-N7-)-methyltransferase (EC 2.1.1.33) (nmpd|SPy1726|; 515449)	1	0.099526066	1557401.623	183083.3207	2	2	1236508.206	0	1	1	0	0	0	0	1068025.535	219256.2527	2	2	1034820.767	0	1	1	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1700|; 514942)	1	0.054744526	983709.2757	139597.447	2	2	554965.0088	67616.58337	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1687|; 326150)	1	0.152941176	3238943.995	1132338.957	2	2	1924735.971	825758.8955	2	2	1261357.789	0	1	1	1306758.024	147872.7913	2	2	0	0	0	0	1	1
Arginine deiminase (EC 3.5.3.6) (nmpd|SPy1547|sagP; 326015)	1	0.03406326	897468.9952	0	1	1	956471.4354	214694.7009	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Radical SAM family enzyme (nmpd|SPy1533|; 515204)	1	0.036211699	787242.7645	153710.7374	2	2	547330.4915	0	1	1	288469.9313	0	1	1	0	0	0	0	0	0	0	0	1	1
Glutaredoxin-like protein NrdH (involved in electron transport system for ribonucleotide reductase s (nmpd|SPy1374|nrdH; 515046)	1	0.333333333	1367205.491	362290.8919	2	2	865125.0948	0	1	1	1220938.5	0	1	1	0	0	0	0	0	0	0	0	1	1
ATP-dependent RNA helicase 2C DEAD 2FDEAH box family (nmpd|SPy1369|deaD2; 515488)	1	0.066481994	358182.3741	0	1	1	2016294.382	0	1	1	2499430.863	0	1	1	1605542.048	0	1	1	2855000.92	0	1	1	1	1
UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (nmpd|SPy1358|murZ; 515016)	1	0.050119332	933162.9398	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
D-alanine--poly(phosphoribitol) ligase subunit 2 (EC 6.1.1.13) (nmpd|SPy1310|dltC; 325760)	1	0.139240506	2646379.67	85554.10078	2	2	1814678.896	0	1	1	347708.7166	0	1	1	0	0	0	0	0	0	0	0	1	1
Phosphate transport ATP-binding protein pstB (TC 3.A.1.7.1) (nmpd|SPy1241|pstB; 514914)	1	0.071146245	1952844.214	627602.2607	2	2	1088582.956	198766.4242	2	2	1009206.682	0	1	1	645700.9721	0	1	1	0	0	0	0	1	1
16S rRNA m(2)G 1207 methyltransferase (EC 2.1.1.52) (nmpd|SPy1232|; 515985)	1	0.086294416	0	0	0	0	0	0	0	0	694906.6552	0	1	1	0	0	0	0	888816.3679	198002.9191	2	2	1	1
Anaerobic ribonucleoside-triphosphate reductase (EC 1.17.4.2) (nmpd|SPy1211|; 325633)	1	0.144067797	203939.8759	0	1	1	263150.5575	0	1	1	847688.137	28545.62363	2	2	583821.5034	7733.141775	2	2	0	0	0	0	1	1
50S ribosomal subunit maturation GTPase RbgA (B. subtilis YlqF) (nmpd|SPy1161|; 515718)	1	0.042553191	711932.0048	375866.7787	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Lactoylglutathione lyase (EC 4.4.1.5) (nmpd|SPy1155|; 515358)	1	0.087591241	0	0	0	0	0	0	0	0	1057993.165	0	1	1	712152.1798	297514.8122	2	2	571505.3958	0	1	1	1	1
NAD kinase (EC 2.7.1.23) (nmpd|SPy1126|; 515575)	1	0.089928058	2375078.103	5276.086806	2	2	2569902.07	103259.5759	2	2	2247562.426	190297.3506	2	2	1786357.594	101537.5753	2	2	1866507.879	0	1	1	1	1
Spermidine Putrescine transport ATP-binding protein potA (TC_3.A.1.11.1) (nmpd|SPy1102|potA; 515879)	1	0.036458333	1381856.908	307079.2047	2	2	1187309.156	7686.897176	2	2	851726.2987	0	1	1	0	0	0	0	0	0	0	0	1	1
UDP-N-acetylmuramyl tripeptide synthase (nmpd|SPy1035|; 515884)	1	0.038202247	0	0	0	0	0	0	0	0	777471.4464	0	1	1	0	0	0	0	337917.0004	62685.65814	2	2	1	1
COG0488 3A ATPase components of ABC transporters with duplicated ATPase domains (nmpd|SPy0867|; 515505)	1	0.0384	725308.7769	255893.8323	2	2	527916.3993	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
putative transcriptional regulator (nmpd|SPy0811|; 350751)	1	0.115044248	534751.5765	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Phosphoglycerol transferase (nmpd|SPy0793|; 515902)	1	0.016990291	578551.4124	67154.10191	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Alpha-L-Rha alpha-1 2C2-L-rhamnosyltransferase 2Falpha-L-Rha alpha-1 2C3-L- rhamnosyltransferase (EC (nmpd|SPy0792|rgpFc; 515254)	1	0.029259897	1053455.425	0	1	1	760410.2606	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Flavodoxin (nmpd|SPy0721|; 325287)	1	0.11409396	1055994.359	417775.0996	2	2	0	0	0	0	1255747.209	94796.74519	2	2	775425.9797	371843.6513	2	2	1311085.51	0	1	1	1	1
putative peptidoglycan branched peptide synthesis protein 2C serine 2Falanine adding enzyme (nmpd|SPy0616|murM; 515208)	1	0.06127451	1435333.733	0	1	1	1109072.998	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Transcriptional regulator (nmpd|SPy0599|; 325238)	1	0.157232704	967928.2403	235481.5399	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
General stress protein (nmpd|SPy0587|; 325228)	1	0.192592593	387018.8513	0	1	1	286017.9254	0	1	1	0	0	0	0	518629.4948	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0577|; 515945)	1	0.431372549	2774900.836	715608.5198	2	2	2274306.989	13750.35994	2	2	1293793.937	268879.653	2	2	1802037.428	279488.8551	2	2	0	0	0	0	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0568|; 515664)	1	0.058394161	995248.8558	0	1	1	0	0	0	0	493053.3528	0	1	1	0	0	0	0	0	0	0	0	1	1
ADP-ribose pyrophosphatase (EC 3.6.1.13) (nmpd|SPy0444|; 515147)	1	0.086956522	790654.3418	144314.1846	2	2	624238.6977	139308.8716	2	2	565228.5317	0	1	1	649686.0516	0	1	1	651986.1177	0	1	1	1	1
Cytoplasmic copper homeostasis protein cutC (nmpd|SPy0408|; 515461)	1	0.09569378	887011.8087	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Tetrapyrrole (Corrin-Porphyrin) methylase family protein (nmpd|SPy0406|; 514847)	1	0.076655052	860444.5555	78035.94876	2	2	546209.2457	145913.6456	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
CBS domain containing protein (nmpd|SPy0364|; 325051)	1	0.078431373	937208.7396	111190.5187	2	2	0	0	0	0	843192.0259	0	1	1	695447.3243	0	1	1	0	0	0	0	1	1
Ubiquinone 2Fmenaquinone biosynthesis methyltransferase UbiE 2FCOQ5 (EC 2.1.1.-) (nmpd|SPy0312|; 325013)	1	0.053231939	503372.2818	285593.8259	2	2	275282.3483	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
GTP-binding protein YqeH 2C possibly involved in replication initiation (nmpd|SPy0306|; 515343)	1	0.045698925	833028.3256	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Cysteine desulfurase (EC 2.8.1.7) (nmpd|SPy0288|; 515398)	1	0.068627451	486417.6991	0	1	1	636114.408	0	1	1	804880.0944	0	1	1	0	0	0	0	0	0	0	0	1	1
Putative deoxyribonuclease YcfH (nmpd|SPy0260|; 515166)	1	0.054744526	3853217.022	297756.9833	2	2	3141182.324	393528.9334	2	2	2294092.114	124779.3535	2	2	2252423.305	166060.9688	2	2	2501091.012	333379.6789	2	2	1	1
tRNA dihydrouridine synthase B (nmpd|SPy0122|; 514853)	1	0.046153846	1091013.067	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) (nmpd|SPy0097|pbp1b; 515642)	1	0.020779221	1060436.862	197272.251	2	2	480478.638	0	1	1	996934.0529	0	1	1	317888.132	0	1	1	368002.6879	0	1	1	1	1
possible abortive infection phage resistance protein (nmpd|SPy0035|abiR; 515786)	1	0.032906764	511121.1171	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein SPy0238 [Streptococcus pyogenes M1 GAS] (ref|NP_268597.1|; 515440)	1	0.082251082	2069399.573	892499.2134	2	2	1160447.041	0	1	1	1378556.136	0	1	1	677510.8557	289796.0892	2	2	524178.4407	0	1	1	1	1
Hypothetical protein ybgI (nmpd|SPy0931|; 514953)	1	0.030534351	525169.4265	0	1	1	488563.4283	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1508|; 515392)	1	0.223684211	1372176.378	225883.3159	2	2	3630960.308	58652.90699	2	2	4021652.873	289055.7687	2	2	3323808.336	391161.9649	2	2	4388416.49	847803.8773	2	3	1	1
Thioredoxin reductase (EC 1.8.1.9) (nmpd|SPy0850|; 515749)	1	0.087878788	1437743.92	75076.67008	2	2	1217171.408	188230.5664	2	2	888555.8522	286433.4199	2	2	675669.8501	0	1	1	0	0	0	0	1	1
DegV family protein (nmpd|SPy0865|; 515100)	1	0.067375887	3333481.626	368848.0415	2	4	2595808.209	152007.3096	2	4	1812122.777	1006739.874	2	3	1439832.552	0	1	2	640280.2869	95305.4668	2	2	1	1
SSU ribosomal protein S14p (S29e) (nmpd|SPy0064|rpsN; 324828)	1	0.147540984	631450.3215	0	1	1	1392499.544	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
COG0779 3A clustered with transcription termination protein NusA (nmpd|SPy1725|; 515855)	0	0	0	0	0	0	1318190.688	33542.51775	2	2	1048268.837	0	1	1	1447569.313	416535.6229	2	2	0	0	0	0	1	1

n_u_pep, number of unique peptides; seq_cov, sequence coverage; n, number of replicates; pep, number of peptides; fdr_1p, 1% false discovery rate; fdr_5p, 5% false discovery rate

Table S3 (related to Figure 4A)

Protein description (acc)	n_u_pep	seq_cov	TH (avg)	TH (stdev)	TH (n)	TH (pep)	Pl. 10p (avg)	Pl. 10p (stdev)	Pl. 10p (n)	Pl. 10p (pep)	HSA-FA (avg)	HSA-FA (stdev)	HSA-FA (n)	HSA-FA (pep)	Fibr (avg)	Fibr (stdev)	Fibr (n)	Fibr (pep)	IgG (avg)	IgG (stdev)	IgG (n)	IgG (pep)	fdr_1p	fdr_5p
Translation elongation factor G (nmpd|SPy0273|; 324985)	99	0.771676301	243639923.5	190924722	6	138	205302021	110807772.2	5	105	226283919.8	132633621.5	6	114	159933925.8	124816907.9	6	112	247997698.5	121582148.8	6	102	1	1
Translation elongation factor Tu (nmpd|SPy0611|tufA; 514830)	78	0.846733668	450571619	293241913.1	6	119	305302216.7	216096688.8	6	89	558873036.1	262579561.3	6	103	343805202.9	210116190	6	95	480334014.3	184760604.8	6	92	1	1
Streptococcal Enolase (EC 4.2.1.11) (SEN), plasmin(ogen) binding (nmpd|SPy0731|eno; 514851)	70	0.834482759	559284340.9	193200051.5	6	123	822775882.4	287777799.3	6	97	936739447	227588993.9	6	109	655653802.5	270442087	6	103	911539522.3	364885579.2	6	98	1	1
Antiphagocytic M protein (nmpd|SPy2018|emm1; 386417)	66	0.462809917	677010361.3	63178284.29	6	82	660838219.7	146033213.9	6	100	821826543.7	240854255.6	6	127	646554365.1	203471044.2	6	105	841058584.2	93736360.41	6	106	1	1
NAD-dependent glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), Plasmin(ogen) receptor (nmpd|SPy0274|gapA, plr; 515131)	66	0.931547619	543160053.9	347850530.7	6	91	512588230.6	314292086.4	6	69	710634299.4	418447124.1	6	76	457839582.9	313315913.6	6	74	486380392.2	337577598.7	6	81	1	1
DNA-directed RNA polymerase beta' subunit (EC 2.7.7.6) (nmpd|SPy0099|rpoC; 515092)	66	0.505358615	26411877.15	9820593.602	6	94	15010018.97	6627689.412	6	74	26005327.79	7035139.717	6	105	20868240.53	4655507.669	6	100	30707107.04	11315927.01	6	89	1	1
C5a peptidase precursor (EC 3.4.21.-) (nmpd|SPy2010|scpA; 386423)	64	0.593564776	31977395.77	20546246.85	5	70	62978126.93	47009529.35	5	92	73557282.16	39855362.28	5	101	25574010.18	18763302.38	6	86	45490955.53	29446747.34	5	73	1	1
Pyruvate kinase (EC 2.7.1.40) (nmpd|SPy1282|; 514907)	60	0.81	335234859	269676392.6	6	96	115715676.2	121682872.2	6	74	286344227.1	190105833.3	6	88	178040254.8	156563527.3	6	84	242529083	115391883	6	75	1	1
Chaperone protein DnaK (nmpd|SPy1760|dnaK; 326211)	59	0.768092105	115818675.3	54173981.33	6	92	72871364.67	38324678.15	6	79	51678008.03	18541341.47	6	87	50161598.86	22496453.14	6	91	84170998.81	42347579.62	6	74	1	1
DNA-directed RNA polymerase beta subunit (EC 2.7.7.6) (nmpd|SPy0098|rpoB; 515076)	57	0.508417508	26274896.43	16744706.96	5	64	17879641.97	10726655.27	6	64	22533730.84	13058070.2	6	76	16730817.96	13348387.8	6	65	25934234.7	20836558.01	5	69	1	1
Non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase (NADP) (EC 1.2.1.9) (nmpd|SPy1371|gapN; 515146)	51	0.747368421	136347923.1	83097179.82	6	73	91361453.4	49263640.29	6	49	153312058.2	120387321	6	58	105761520.2	53278447.73	6	54	138421939.9	96086818.09	5	57	1	1
Phosphoglycerate kinase (EC 2.7.2.3) (nmpd|SPy1881|; 326326)	46	0.809045226	125131172.1	89355946.61	6	73	162462828.1	113695884.6	6	74	215805072.7	148253948.1	6	80	151373087.8	116600028	6	74	142097872.6	111297068.1	6	66	1	1
SSU ribosomal protein S1p (nmpd|SPy0913|; 325451)	45	0.521197007	391759548.7	466274336.9	6	70	240403780.3	297144646.5	6	52	335119819.9	374717668.6	6	87	257248166.9	299313095.3	6	79	371912004.1	446657446.8	6	58	1	1
Prolyl-tRNA synthetase (EC 6.1.1.15) (nmpd|SPy1962|proS; 514848)	39	0.644012945	8402201.053	5336283.625	6	53	3256656.649	2595653.084	5	26	4552186.756	3049901.939	5	43	4455944.769	2362049.422	5	33	5829066.962	3892959.387	6	33	1	1
L-lactate dehydrogenase (EC 1.1.1.27) (nmpd|SPy1151|ldh; 325588)	39	0.568807339	163299458.5	108686033	5	59	118072239.8	38484715.42	4	52	113275472.3	74889082.73	5	51	101882373.2	33154192.88	4	44	101738181.5	58320547.74	5	44	1	1
Transketolase (EC 2.2.1.1) (nmpd|SPy1676|; 515490)	38	0.568213783	93001034.2	28888140.47	4	71	58759102.41	13397773.44	4	56	80474292.08	19220952.41	4	60	52348718.71	10577213.05	4	56	85054176.02	26239698.72	4	55	1	1
Triosephosphate isomerase (EC 5.3.1.1) (nmpd|SPy0613|; 514909)	38	0.726190476	36589758.26	26019852.78	5	71	31791798.13	15203947.75	6	54	44376113.17	17181834.45	5	51	25215900.81	17135166.91	5	48	29044551.4	27523376.89	6	50	1	1
Heat shock protein 60 family chaperone GroEL (nmpd|SPy2070|groEL; 515098)	37	0.670349908	114092727.5	11713052.19	4	60	80738674.53	6775416.557	4	58	56341826.74	12513289.78	4	61	57687209.09	10306757.21	4	60	84773958.07	15881398.18	4	60	1	1
Carbamoyl-phosphate synthase large chain (EC 6.3.5.5) (nmpd|SPy0835|carB; 515170)	37	0.445179584	8112267.72	2479252.571	6	43	12072653.28	7142355.593	6	48	9516970.74	4335356.346	6	60	6378994.51	3628961.646	6	38	5607022.556	2864687.246	5	40	1	1
Inosine-5'-monophosphate dehydrogenase (EC 1.1.1.205) (nmpd|SPy2206|guaB; 326589)	34	0.663286004	45726908.33	27606076.97	5	42	20329841.49	13994863.85	6	41	38022845.9	29256179.19	6	48	27034230.64	20349510.79	6	46	32581663.76	2537782.834	4	38	1	1
Fructose-bisphosphate aldolase class II (EC 4.1.2.13) (nmpd|SPy1889|; 514890)	34	0.638225256	184536603.8	194897312.2	6	60	129544127.8	146470990.7	6	37	107314568.8	116750531.6	5	40	78916130.89	69838903.1	6	36	126272870.8	106510901	6	37	1	1
Glucosamine--fructose-6-phosphate aminotransferase 5Bisomerizing 5D (EC 2.6.1.16) (nmpd|SPy1280|glmS; 514846)	34	0.569536424	13079636.72	6225412.618	5	37	24161905.92	13399938.77	4	40	30534751.03	13097876.31	5	51	12926933.36	7529594.487	6	44	14016390.03	7132527.918	5	29	1	1
GMP synthase 5Bglutamine-hydrolyzing 5D (EC 6.3.5.2) (nmpd|SPy1204|guaA; 515215)	34	0.584615385	15420677.01	3247589.223	6	47	10681332.51	3097721.103	6	42	15095283.09	4972909.8	6	47	10937209.32	4278136.536	6	42	19441178.77	7098410.291	6	49	1	1
LSU ribosomal protein L2p (L8e) (nmpd|SPy0052|rplB; 324818)	34	0.57400722	238689890.3	52306916.11	6	55	121010366.2	60197549.54	6	51	206443958.5	44778079.25	6	48	184762324.4	43280512.32	6	50	233737161.2	74826124.78	6	46	1	1
Phosphoenolpyruvate-protein phosphotransferase of PTS system (EC 2.7.3.9) (nmpd|SPy1372|pstI; 325813)	32	0.63084922	29028823.79	21858742.97	5	45	24414341.27	19726845.34	6	39	43248122.68	21741596.96	4	44	26133327.57	14687773.92	6	39	30636994.81	19947831.79	5	31	1	1
Protein export cytoplasm protein SecA ATPase RNA helicase (TC 3.A.5.1.1) (nmpd|SPy1805|secA; 514999)	32	0.420738975	15825988.73	6406162.386	4	45	6900935.13	2573804.14	4	32	17166219.72	4177094.748	5	53	9880522.719	2598717.115	5	37	9043642.689	6673861.464	5	42	1	1
Alanyl-tRNA synthetase (EC 6.1.1.7) (nmpd|SPy1389|alaS; 515323)	32	0.394495413	11780633.7	4317340.844	6	48	5783910.463	4139849.426	6	32	10408503.75	2745944.423	6	47	6149069.069	1915322.01	6	41	6591884.485	2354513.349	5	33	1	1
SSU ribosomal protein S2p (SAe) (nmpd|SPy2092|rpsB; 514829)	31	0.62745098	278208802.3	100887474.5	6	47	128686226.3	76763016.57	6	51	169659566.9	69663358.15	6	56	126060818.2	78569482.74	6	53	247405787.1	136438690	6	46	1	1
Translation elongation factor Ts (nmpd|SPy2093|; 514838)	31	0.592485549	53606368.15	64111861.96	6	38	60052393.83	39516985.43	4	42	78723179.77	35904178.3	4	46	50656836.92	33654705.12	4	37	79682768.05	61466404.81	5	48	1	1
Pyruvate formate-lyase 3B Formate acetyltransferase (EC 2.3.1.54) (nmpd|SPy1849|; 515161)	31	0.482580645	34255260.56	6080635.17	6	50	11732426.55	4574841.16	6	41	15361112.84	2235595.063	6	45	14802847.01	5688683.173	6	50	28134189.29	3913098.522	6	50	1	1
LSU ribosomal protein L7 2FL12 (L23e) (nmpd|SPy1073|rplL; 350753)	31	0.892561983	841835693.2	918187653.5	5	39	348795264.2	408383148.7	6	41	363033292.2	466534158.2	6	33	306493175.1	354765724	6	34	767635820.8	619234287.7	4	37	1	1
Cell division protein ftsH (EC 3.4.24.-) (nmpd|SPy0015|ftsH; 515099)	30	0.42185129	35195710.4	6075253.774	4	44	14622821.55	5227224.101	4	37	41570374.97	8555450.838	4	55	20003926.3	6154278.745	4	43	27933577.43	4518659.047	4	40	1	1
Arginyl-tRNA synthetase (EC 6.1.1.19) (nmpd|SPy2151|argS; 515252)	30	0.586145648	14522969.02	9522494.86	4	43	8204706.374	7055948.518	5	38	10095031.88	9063956.811	6	51	10459877.16	6937634.552	4	43	10506786.46	8945073.835	4	36	1	1
Adenylosuccinate synthetase (EC 6.3.4.4) (nmpd|SPy0160|purA; 515275)	30	0.665116279	12058955.5	6903650.927	4	39	6859858.434	4065072.42	4	33	12472509.51	6951084.193	4	43	8405699.057	4870376.585	4	35	11979324.84	5401554.481	4	41	1	1
ABC transporter ATP-binding protein (nmpd|SPy2210|; 326593)	29	0.493506494	8658586.451	6780567.587	5	31	13369981.81	10593825.11	5	33	17774171.86	12081539.36	5	45	10542644.61	10157516.45	5	38	13790347.29	7261049.263	4	38	1	1
Translation initiation factor 2 (nmpd|SPy1721|infB; 326176)	28	0.316894019	15596595.07	1626936.253	4	39	6888492.965	2836002.816	4	29	9577018.791	935946.3651	4	39	8718155.61	1823430.708	4	36	10983936.68	1282676.452	4	40	1	1
ATP synthase beta chain (EC 3.6.3.14) (nmpd|SPy0760|atpD; 515409)	28	0.658119658	15708548.87	11277434.04	3	40	4891833.33	2187290.857	4	18	11343096	1528719.644	3	30	8489297.841	6090582.712	4	29	12746207.36	2099427.335	4	28	1	1
Neutral endopeptidase O (EC 3.4.24.-) (nmpd|SPy2095|pepO; 515056)	28	0.312202853	8789737.839	3461530.497	4	36	16034356.35	10130998.64	5	38	15234295.64	6808308.06	6	45	6566044.36	3300364.513	5	30	11326935.18	6699218.713	5	37	1	1
3-oxoacyl- 5Bacyl-carrier-protein 5D synthase 2C KASII (EC 2.3.1.41) (nmpd|SPy1748|fabF; 514908)	28	0.641463415	93388821.19	22959860.24	6	46	29731885.11	10244405.63	6	30	115033822.8	51912911.67	6	45	71549924.73	25066261.64	6	38	70721159.4	19954641.45	6	40	1	1
Isoleucyl-tRNA synthetase (EC 6.1.1.5) (nmpd|SPy1513|ileS; 514973)	28	0.332261522	60276560.96	75975625.37	6	40	25657934.15	40259559.86	6	32	28613324.5	52539324.11	6	36	28841879.26	36605556.32	6	34	63831225.34	85981226.59	6	37	1	1
Dihydrolipoamide dehydrogenase of acetoin dehydrogenase (EC 1.8.1.4) (nmpd|SPy1031|acoL; 515481)	28	0.471890971	31490447.68	18312652.52	5	45	14255320.36	10022673.84	5	38	20483812.23	14021300.46	6	50	14868738.5	8587763.535	5	41	18686920.55	16086811.06	6	47	1	1
SSU ribosomal protein S3p (S3e) (nmpd|SPy0056|rpsC; 324821)	28	0.580645161	154405395.2	124799713.8	6	29	119274501.8	111230198.2	6	32	129719935.1	112652110.7	6	46	110195440.4	98682874.98	6	36	169258198.1	154138345.5	6	31	1	1
Cell division trigger factor tig (nmpd|SPy1896|ropA; 514832)	27	0.526932084	31308472.93	8961935.111	4	35	28924992.27	27385013.67	6	38	22912120.11	17900573.13	6	33	9880559.679	5559652.431	6	32	45664217.19	41524314.09	5	32	1	1
Cell division protein ftsZ (EC 3.4.24.-) (nmpd|SPy1520|ftsZ; 325989)	27	0.676537585	23539997.85	20411993.5	6	38	18544099.81	7895125.103	4	28	20933448.17	21452860.65	5	31	15893766.25	13685703.25	6	31	17938987.43	13966325.97	4	27	1	1
Glutamine ABC transporter 2C glutamine-binding protein 2Fpermease protein (nmpd|SPy1315|; 515163)	27	0.393646409	14700575.45	6529608.378	4	38	10097151.52	4577089.337	6	34	20263367.48	7960405.391	6	53	12954275.83	6009319.662	6	45	11913941.72	10034575.37	6	46	1	1
SSU ribosomal protein S4p (S9e) (nmpd|SPy2178|rpsD; 326565)	26	0.733990148	564144890.5	633393623.3	6	48	407727539.2	483935700.3	6	41	515544947.3	459688881.3	6	48	408722356.4	370156065.4	6	46	677766788.8	708086322.6	6	48	1	1
ATP-dependent Clp protease 2C ATP-binding subunit ClpE (nmpd|SPy1509|clpE; 514920)	26	0.435526316	3392443.885	2465942.755	5	25	2641844.356	1499161.907	3	14	2004543.414	585809.3575	5	21	1261879.403	874145.7337	5	16	1365627.526	980889.722	4	18	1	1
LSU ribosomal protein L6p (L9e) (nmpd|SPy0066|rplF; 324830)	26	0.550561798	71017907.45	56644855.59	5	44	61072911.26	32905601.72	4	26	56573799.12	28747779.68	4	28	53026489.44	29043093.54	4	37	57830915.07	46948133.67	5	33	1	1
6-phosphofructokinase (EC 2.7.1.11) (nmpd|SPy1283|pfkA; 515296)	25	0.62611276	41951896.96	19903624.28	6	40	35683582.66	16123503.06	6	33	44625079.87	14439260.79	6	36	35959880.59	17656383.38	6	39	39188190.85	16207227.86	6	28	1	1
NADH oxidase H2O-forming (EC 1.6.-.-) (nmpd|SPy1150|; 514831)	25	0.543859649	19911746.47	20128935.49	5	48	7993403.932	11907008.56	6	26	22250650.54	22196770.23	4	35	14728563.07	17283561.78	5	35	24171690.47	18112128.77	4	37	1	1
LSU ribosomal protein L5p (L11e) (nmpd|SPy0063|rplE; 324827)	25	0.7	173429902.3	154939180	6	49	113611447.7	82888246.16	5	42	114681625.1	96421232.05	5	50	101456707.5	72774712.19	5	45	191831640.1	147127153	5	44	1	1
Phosphoglucomutase (EC 5.4.2.2) (nmpd|SPy1224|pgmA; 515004)	24	0.486013986	20035332.91	4864629.155	4	33	8642128.259	1601392.345	4	24	15149478.99	1326812.405	4	32	7558650.011	2431799.019	4	29	13111953.74	1357975.767	4	22	1	1
Aminopeptidase C (EC 3.4.22.40) (nmpd|SPy1651|pepC; 515675)	24	0.480898876	27766035.75	17028293.26	4	23	27468248.67	9526388.032	4	35	19361284.78	15718407.25	4	32	17656080.79	6711438.39	4	27	21603188.11	8883478.422	4	20	1	1
DNA-directed RNA polymerase alpha subunit (EC 2.7.7.6) (nmpd|SPy0080|rpoA; 324841)	24	0.573717949	29072478.22	21760228.02	5	42	24617322.16	11710404.92	5	45	27271594.86	21671666.26	6	45	21974578.25	12897607.8	5	38	40321470.05	10280468.97	4	42	1	1
Glutamine synthetase type I (EC 6.3.1.2) (nmpd|SPy1877|glnA; 515381)	23	0.435267857	25169171.54	4900461.545	4	32	24157792.53	13352704.73	5	32	30017213.28	18897292.44	5	41	21856314.5	10280289.15	5	39	29033943.16	9096752.285	6	34	1	1
Chemokine protease ScpC (EC 3.4.21.-) (nmpd|SPy0416|prtS; 514919)	23	0.216757741	1993759.315	2631696.206	2	2	7874280.386	6818390.457	6	37	687568.8918	244319.5967	2	7	0	0	0	0	1812076.946	0	1	1	1	1
Leucyl-tRNA synthetase (EC 6.1.1.4) (nmpd|SPy0173|leuS; 515503)	23	0.354141657	6828910.683	3435556.952	5	33	5333406.89	2304593.539	6	30	8003515.952	3038214.741	4	38	4268739.887	2460974.573	6	33	6251369.762	5102856.107	5	35	1	1
PTS system 2C mannose-specific IIB component (EC 2.7.1.69) 2F PTS system 2C mannose-specific IIA co (nmpd|SPy1738|manL; 514902)	22	0.584848485	59004884.16	19198100.49	4	38	32698524.67	25484748.29	3	25	18563635.97	21552885.02	6	37	16361022.09	17666698.05	6	32	32726619.33	27879192.75	4	35	1	1
Membrane protease subunits 2C stomatin 2Fprohibitin homologs (nmpd|SPy1884|; 515422)	21	0.523648649	18566894.43	14961727.62	6	46	6552299.109	5470399.853	5	19	13609008.5	10575944	6	35	6265630.746	4284246.307	5	29	13125762.47	10160103.4	6	33	1	1
Glycyl-tRNA synthetase beta chain (EC 6.1.1.14) (nmpd|SPy1688|glyS; 514916)	21	0.379970545	7303076.482	4400696.797	4	25	5330143.397	3818558.383	5	25	6624441.602	2996168.907	6	30	5237078.657	2231599.698	6	29	4841299.257	1731869.649	5	27	1	1
Valyl-tRNA synthetase (EC 6.1.1.9) (nmpd|SPy1568|valS; 515119)	21	0.348072562	7114896.18	1574044.948	5	34	4693693.173	2539333.002	4	27	5156918.361	2339691.347	6	35	3293839.42	762654.7046	6	29	4197761.698	1552506.293	5	28	1	1
DNA-binding protein HBsu (nmpd|SPy1489|hlpA; 325962)	21	0.824175824	91611167.23	47527533.27	5	30	88474002.98	104679440.3	4	15	112635493.6	102867953.8	5	17	100349592.9	59824851.74	5	17	95627661.51	55658294.74	4	14	1	1
Probable RNA helicase exp9 (nmpd|SPy1415|deaD; 514877)	21	0.354359926	6793189.988	4770377.299	4	24	2485936.663	1099194.09	4	18	5053431.985	2689856.732	4	26	4657239.166	2432446.785	4	26	6261551.923	2794736.535	4	23	1	1
Acetoin dehydrogenase E1 component beta-subunit (EC 1.1.1.5) (nmpd|SPy1028|acoB; 514854)	21	0.509036145	10279486.92	9359847.005	6	19	11201359.17	6209777.226	4	24	21930780.31	7499686.057	6	32	10495280.88	5190588.145	6	26	16965325.6	10526019.02	4	27	1	1
Glucose-6-phosphate isomerase (EC 5.3.1.9) (nmpd|SPy0215|pgi; 515686)	21	0.523385301	43419227.49	15158465.98	4	23	32438721.93	26436979.03	6	21	41107078.02	19757470	6	30	26087934.14	14718224.34	5	20	44826214.33	12612809.71	6	29	1	1
SSU ribosomal protein S5p (S2e) (nmpd|SPy0069|rpsE; 324832)	21	0.695121951	490765103	606241100.2	6	35	281659093.7	341827943.8	6	33	347792946.4	452907267.2	6	31	269355842.6	334566834	6	28	478096712.4	601667856	6	34	1	1
Dipeptide-binding ABC transporter 2C periplasmic substrate-binding component (TC 3.A.1.5.2) (nmpd|SPy2000|dppA; 515812)	20	0.326568266	7072359.656	5590356.478	4	20	9323165.38	6343239.657	4	26	15849583.05	10409614.6	4	36	6931740.314	3345596.172	4	19	2489738.324	503103.1292	4	18	1	1
Polyribonucleotide nucleotidyltransferase (EC 2.7.7.8) (nmpd|SPy1946|pnpA; 514913)	20	0.347887324	4289754.834	1206612.713	6	25	3497638.837	2387808.211	6	21	3924763.037	1018742.52	6	28	3124964.605	1018011.681	5	24	5496755.763	1478056.937	4	29	1	1
Foldase protein prsA 1 precursor (EC 5.2.1.8) (nmpd|SPy1390|; 515468)	20	0.62962963	12665601.8	10356762.05	5	17	14859958.04	12847481.96	5	23	18658249.2	15091402.28	6	29	10256128.47	7154984.956	4	19	14302576.39	12417121.57	6	28	1	1
General stress protein 2C Gls24 family (nmpd|SPy1262|; 325681)	20	0.726256983	125425177.7	130333455.5	4	29	52616499.62	50535194.29	5	22	89136265.87	85727931.3	6	28	76468122.7	59671370.24	5	26	175909569.3	166082419.9	5	30	1	1
Lysyl-aminopeptidase 3B aminopeptidase N (EC 3.4.11.2) (nmpd|SPy1239|pepN; 515921)	20	0.285207101	7234253.13	4035888.314	4	24	3694265.259	2005716.996	5	20	9076903.282	2896677.527	6	31	6764283.198	2769483.132	6	26	8206829.602	4108035.522	6	29	1	1
Signal recognition particle 2C subunit Ffh SRP54 (TC 3.A.5.1.1) (nmpd|SPy1200|; 515093)	20	0.4238921	13080704.68	4651256.74	4	34	5661334.796	2065719.127	4	25	9085117.166	2518751.877	4	29	5295561.895	2799940.029	4	26	10809149.21	2992004.887	4	31	1	1
Septation ring formation regulator ezrA (nmpd|SPy0728|; 515295)	20	0.365853659	4881448.836	1567715.935	4	27	830389.6119	128909.6848	3	8	2117095.834	953237.3974	6	16	1288375.777	666087.178	4	9	2319119.41	824681.0332	5	14	1	1
SSU ribosomal protein S8p (S15Ae) (nmpd|SPy0065|rpsH; 324829)	19	0.575757576	195209671.3	129428863.9	6	30	121582983.3	71346992.1	6	29	138690394	80599451.46	6	26	107031807.8	69242806.32	6	26	174573085.3	120880433.5	5	24	1	1
kinase related to hydroxyacetone kinase (nmpd|SPy1885|; 515380)	19	0.442238267	11869721.94	4649124.835	3	21	6515623.141	2766889.806	4	19	8051660.174	3845539.74	4	20	6342806.506	2615115.276	4	20	11134395.63	4540397.909	4	22	1	1
Seryl-tRNA synthetase (EC 6.1.1.11) (nmpd|SPy1742|serS; 515225)	19	0.458823529	12994538.21	6996278.715	4	32	32191710.08	24833676.29	5	38	30271961.68	26080943.42	6	46	16573596.76	14608492.17	6	38	16407798	11884792.78	6	36	1	1
Lysyl-tRNA synthetase (class II) (EC 6.1.1.6) (nmpd|SPy0595|lysS; 514958)	19	0.398390342	15811789.08	5288888.487	6	30	7360329.865	3820558.894	6	23	5465120.291	1633926.334	6	27	6034685.402	2470487.377	5	28	11491619.94	7136284.631	6	30	1	1
SSU ribosomal protein S13p (S18e) (nmpd|SPy0077|rpsM; 324839)	19	0.652892562	67418481.51	17781593.51	6	34	79654086.83	55230858.76	6	33	89460547.01	67128837.43	6	38	71751587.81	62513996.19	6	34	86382661.75	47659960.15	6	32	1	1
Alkyl hydroperoxide reductase protein F (EC 1.6.4.-) (nmpd|SPy2080|nox1; 515266)	18	0.425490196	2839662.278	1345825.762	4	20	1959030.519	1473767.134	5	10	2809167.343	381843.7093	2	16	1891613.34	703913.0811	2	15	4585188.508	1601762.691	3	21	1	1
Alkyl hydroperoxide reductase protein C (EC 1.6.4.-) (nmpd|SPy2079|ahpC; 514834)	18	0.553763441	27717398.58	16794664.16	4	31	15171618.43	13676968.93	5	29	24831183.5	10479717.2	4	31	17842503.8	8246211.347	4	30	15002646.51	10170110.03	4	20	1	1
Arginine deiminase (EC 3.5.3.6) (nmpd|SPy1547|sagP; 326015)	18	0.510948905	13029228.79	4232664.421	6	31	133960.6115	0	1	1	452369.1697	455047.9124	2	2	2119978.835	637398.8838	5	14	11119645.34	4554067.021	5	26	1	1
GTP-binding protein TypA 2FBipA (nmpd|SPy1527|; 325995)	18	0.383360522	7618539.516	2174323.285	4	27	4044838.569	2224329.627	4	20	5844653.204	2278413.555	5	25	3830817.178	2073503.099	6	17	5215018.425	1919481.426	4	25	1	1
DNA gyrase subunit A (EC 5.99.1.3) (nmpd|SPy1152|gyrA; 515529)	18	0.281400966	4361706.244	751179.2052	3	17	3058876.361	344026.7987	4	14	4112332.62	652245.1793	3	19	3277654.369	778151.7641	4	18	3677081.879	1440066.527	3	17	1	1
Threonyl-tRNA synthetase (EC 6.1.1.3) (nmpd|SPy0517|thrS; 515655)	18	0.344667697	9476077.158	2894792.446	4	19	8090846.929	1739078.24	4	22	7677364.124	1198696.198	4	23	6570875.739	1001808.325	4	23	8517234.478	1817985.81	4	25	1	1
Glutamyl-tRNA synthetase (EC 6.1.1.17) 3B Glutamyl-tRNA(Gln) synthetase (nmpd|SPy0239|gltX; 324955)	18	0.417879418	4685047.316	1283486.004	4	19	6365029.248	2982843.248	4	23	7100565.963	2144690.642	4	26	3237913.279	1395489.84	4	22	3775043.596	597431.5994	3	17	1	1
Ribonucleotide reductase of class III (anaerobic) 2C large subunit (EC 1.17.4.2) (nmpd|SPy2110|nrdD; 326506)	17	0.330601093	2316071.583	818632.6438	4	17	1383965.785	816580.0732	3	13	2726269.326	783319.7515	3	19	1510307.913	335753.3878	5	16	2015909.809	1099915.857	4	20	1	1
Xaa-His dipeptidase (EC 3.4.13.3) (nmpd|SPy1070|; 514926)	17	0.464818763	10464106.67	441653.7353	2	18	6880543.074	6120393.57	3	23	10820612.92	9149467.331	3	24	7134931.491	5825922.552	3	22	14253551.88	628178.043	2	18	1	1
Asparaginyl-tRNA synthetase (EC 6.1.1.22) (nmpd|SPy0651|asnS; 515229)	17	0.417410714	6225060.698	592865.85	5	24	2926613.875	1073597.069	4	21	3812502.374	607942.9424	5	25	2749084.253	686116.1764	5	19	4345243.026	1243160.916	3	17	1	1
Calcium-transporting ATPase (EC 3.6.3.8) (nmpd|SPy0623|pacL; 514840)	17	0.28443449	7308079.856	7293161.718	4	18	3108683.237	3099261.84	4	16	5225104.089	5103408.275	4	20	3762698.453	3382484.115	4	17	10259171.07	695562.168	2	17	1	1
Glycerol-3-phosphate dehydrogenase 5BNAD(P) 2B 5D (EC 1.1.1.94) (nmpd|SPy0226|gpsA; 515189)	17	0.565088757	9114948.577	6545785.151	6	30	6340932.73	4208101.643	5	21	10256220.99	4692843.062	6	27	5638255.348	2847994.155	5	18	7105086.439	4392765.892	6	20	1	1
GTP-binding and nucleic acid-binding protein YchF (nmpd|SPy0006|; 514905)	17	0.60916442	3947295.614	1201144.487	6	24	3576259.947	2291070.62	5	18	4044664.759	2620821.378	5	26	3681852.107	2255992.594	5	20	4519365.202	2984747.95	4	19	1	1
RecA protein (nmpd|SPy2116|recA; 514833)	16	0.351851852	6335048.213	3174346.714	4	18	2888130.794	2442024.332	4	19	6731534.974	4185273.824	4	23	3360873.805	3250773.871	3	18	4921249.569	3392332.634	4	17	1	1
SSU ribosomal protein S6p (nmpd|SPy1831|rpsF; 326283)	16	0.729166667	81653415.41	19815906.22	4	27	40374998.08	27562105	2	17	53390549.87	14272651.93	4	25	43167346.38	11638775.94	4	23	44102670.8	25818223.75	4	19	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1633|; 326107)	16	0.327102804	4496570.288	1792754.643	4	20	996228.254	630925.2037	4	14	4213842.823	1368235.414	4	24	1683141.702	832508.3759	4	17	2140167.227	623630.1478	3	15	1	1
Ribosome-associated factor Y (nmpd|SPy1613|; 326090)	16	0.741758242	31250394.74	12436729.01	4	25	16550951.8	13332398.61	4	20	19632453.96	5477382.637	4	22	14889212.53	7414953.292	4	20	22683298.2	9955756.799	4	16	1	1
Cell division initiation protein DivIVA (nmpd|SPy1514|; 325984)	16	0.599206349	11942283.05	13296717.42	4	21	7832196.16	461671.8175	2	12	10640135.63	8680519.038	3	17	12025223.39	1152740.484	2	14	11729974.13	9714392.523	3	19	1	1
Ribonucleotide reductase of class Ib (aerobic) 2C alpha subunit (EC 1.17.4.1) (nmpd|SPy1375|nrdE.2; 515036)	16	0.350486787	6553665.146	2283754.65	4	24	2807269.514	1522353.437	4	18	10016275.88	2475717.816	4	30	3798791.27	686674.731	4	21	4319988.006	853481.0544	4	19	1	1
Orotidine 5'-phosphate decarboxylase (EC 4.1.1.23) (nmpd|SPy0900|pyrF; 515506)	16	0.682608696	4801120.38	2712538.944	6	20	17248511.5	10595713.18	4	23	4451174.847	2727870.315	6	19	3626806.921	2827121.836	6	20	4065032.905	4150297.319	4	15	1	1
PTS system 2C fructose-specific IIA component (EC 2.7.1.69) 2F PTS system 2C fructose-specific IIB (nmpd|SPy0855|; 515010)	16	0.273148148	11333819.7	3620172.987	6	32	7987204.266	2981302.828	5	22	8778486.939	3141483.004	5	27	6778611.578	2027390.736	5	24	13980487.91	4578730.605	6	24	1	1
Phenylalanyl-tRNA synthetase beta chain (EC 6.1.1.20) (nmpd|SPy0769|pheT; 514836)	16	0.310861423	7578899.32	368684.5343	2	25	2654700.059	925579.1524	3	15	5491033.708	2408461.027	4	25	3647974.027	1665056.782	4	22	5467108.394	3137285.114	2	20	1	1
LSU ribosomal protein L19p (nmpd|SPy0724|rplS; 325290)	16	0.747826087	122261600	86268311.04	6	29	120523885.1	75626055.59	5	28	132267937	87555048.83	5	28	114758136.5	86560008.32	5	23	127247682.4	94554702.64	6	29	1	1
Oligoendopeptidase F (nmpd|SPy0606|pepF; 514941)	16	0.378964942	5235688.35	2157918.844	4	23	2919342.751	1185597.83	4	15	6448387.965	535597.3685	4	24	4180959.23	659226.1569	4	22	4597347.771	704896.815	4	21	1	1
Ribosome recycling factor (nmpd|SPy0463|; 325124)	16	0.648648649	9503150.057	9003022.547	5	17	8165191.471	5607932.722	4	14	8363427.757	5219273.447	4	13	10523004.08	508877.4294	2	13	8143860.526	7702814.919	4	12	1	1
SSU ribosomal protein S7p (S5e) (nmpd|SPy0272|rpsG; 520031)	16	0.58974359	125603479.3	55597742.75	4	16	72717624.36	37983630.55	5	25	57369636.05	36933117	6	25	55602753.15	33896785.82	6	25	112070213.4	81984764.17	5	22	1	1
Aspartyl-tRNA synthetase (EC 6.1.1.12) (nmpd|SPy2156|aspS; 514870)	15	0.37628866	3479065.61	1448640.374	4	17	1324653.764	528912.4149	3	11	3177906.815	1178006.377	4	17	3216849.275	967871.5836	4	18	2283655.354	151286.5144	3	18	1	1
Peptidylproline cis-trans-isomerase (EC 5.2.1.8) 3B Proteinase maturation protein (RopA) (nmpd|SPy2037|; 515532)	15	0.482200647	24941457.35	15466869.18	6	34	10212243.19	10649946.48	6	27	10012848.23	4978867.495	4	21	13521440.86	12742876.02	6	27	10526099.97	9439850.61	6	26	1	1
LSU ribosomal protein L13p (L13Ae) (nmpd|SPy1932|rplM; 520030)	15	0.72972973	96621970.71	41248070.13	6	27	62895707.75	25931523.61	6	23	60421881.03	28431653.91	6	27	38225398.76	22301781	6	29	89188235.33	36226285.36	6	27	1	1
Malonyl CoA-acyl carrier protein transacylase (EC 2.3.1.39) (nmpd|SPy1750|fabD; 514972)	15	0.458333333	19405592.29	9757041.22	6	41	5700196.112	6254353.09	5	24	15192322.31	7679810.632	6	37	9032258.728	3665430.325	6	36	7717004.218	5295565.255	6	33	1	1
Transcription termination protein NusA (nmpd|SPy1724|nusA; 520025)	15	0.493506494	4879548.128	2816178.693	5	19	2765967.207	1977156.355	4	14	3119113.294	1227456.332	3	17	1355930.548	572475.6262	2	13	5400196.752	5085397.617	3	13	1	1
Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) 3B Penicillin-binding prote (nmpd|SPy1649|pbp1A; 515512)	15	0.343966713	6791534.374	132921.7386	2	18	3129800.549	943533.253	2	16	6050132.084	305591.6794	2	20	4817424.444	113511.2422	2	20	5431721.554	1064965.67	2	20	1	1
Cysteine synthase (EC 2.5.1.47) (nmpd|SPy1618|cysM; 515615)	15	0.581469649	97544026.74	17512950.75	4	29	50045937.9	12056047.1	4	27	15421258.23	2821184.824	4	27	34280350.89	3489690.234	4	27	60674503.43	4271893.724	4	24	1	1
Phosphoglycerate mutase (EC 5.4.2.1) (nmpd|SPy1429|gpmA; 514982)	15	0.454545455	56767621.37	39371268.82	6	28	39784873.52	23096734.17	6	22	33578769.38	14337466.18	6	26	32245150.83	22341696.44	6	27	54278846.45	28542844.16	5	26	1	1
D-alanine--poly(phosphoribitol) ligase subunit 1 (EC 6.1.1.13) (nmpd|SPy1312|dltA; 325762)	15	0.46484375	6101696.726	3355843.444	4	13	5590327.759	937716.0784	3	13	10702573.19	11031993.32	4	20	5583504.621	1639715.681	3	13	5349559.533	3254790.622	3	13	1	1
Nucleoside-binding protein (nmpd|SPy1228|; 515432)	15	0.482857143	31606157.83	5829748.861	6	28	10065293.39	1663341.526	5	23	17747456.99	4637982.84	6	27	11858259.52	3576500.333	6	26	10531131.94	3732833.99	6	22	1	1
Phosphoglucosamine mutase (EC 5.4.2.10) (nmpd|SPy1038|; 514983)	15	0.423503326	8080388.339	1478831.97	4	18	4363062.981	2694791.854	4	21	11499208.04	3662343.626	4	28	4189534.888	2069896.596	4	20	5755786.684	4809782.643	4	21	1	1
Phosphopentomutase (EC 5.4.2.7) (nmpd|SPy0890|deoB; 515072)	15	0.416873449	6424819.59	3446069.278	3	20	4436233.753	3044970.362	3	20	6148875.519	4345998.406	4	27	3589890.178	2474403.074	4	20	5244085.11	3916480.472	3	15	1	1
LSU ribosomal protein L1p (L10Ae) (nmpd|SPy0461|rplA; 325121)	15	0.388646288	236111685.2	139583428.1	6	35	151928905.6	81608603.42	6	27	154793968.9	80961795.03	6	29	127754690.1	67022552.18	6	30	185088568.6	97204549.24	6	28	1	1
Manganese-dependent inorganic pyrophosphatase (EC 3.6.1.1) (nmpd|SPy0380|; 514993)	15	0.601286174	26774375.83	20600804.85	4	21	30655787.46	22924599.02	3	13	26306309.27	23079256.95	4	18	27414103.51	18444588.8	3	15	25026697.67	22891721.8	4	18	1	1
Surface exclusion protein (nmpd|SPy0269|prgA; 515167)	15	0.276059565	281326.1847	6548.189554	2	4	1348697.748	124421.5921	2	13	1056797.882	175441.3173	2	8	523698.0472	75874.74092	2	3	2785480.495	572096.9869	2	15	1	1
putative ABC transporter (lipoprotein) [Streptococcus pyogenes M1 GAS] (ref|NP_268542.1|; 514979)	15	0.549707602	12556327.13	4475760.782	4	21	5879662.405	1548084.494	4	19	12037113.98	3377510.416	4	23	7072926.153	534388.9501	4	22	6403395.907	2240504.48	4	18	1	1
Adenylate kinase (EC 2.7.4.3) (nmpd|SPy0074|; 515356)	15	0.608490566	15885834.25	10741593	6	31	10475169.7	10088368.36	6	21	9852801.205	8165596.085	6	25	5376026.264	4725765.39	6	20	15351012.04	9609185.673	6	21	1	1
UDP-glucose dehydrogenase (EC 1.1.1.22) (nmpd|SPy2201|hasB; 386412)	14	0.507462687	144714.8676	0	1	1	6223358.597	5058913.075	4	21	1188498.205	152643.8981	3	10	0	0	0	0	177355.6654	0	1	1	1	1

Serine protease DegP, HtrA, C do-like, (EC 3.4.21.-) (nmpd|SPy2216|htrA; 514837)	14	0.459459459	17360863.1	15951714.84	5	24	12087518.02	13586150.88	4	20	14388860.3	10455444.75	4	20	12382167.74	11086867.57	4	22	22798039.25	5778452.577	2	16	1	1
Histidyl-tRNA synthetase (EC 6.1.1.21) (nmpd|SPy2157|hisS; 515412)	14	0.375586854	2423387.107	192418.5327	2	13	3809929.675	3518712.562	6	18	3812364.822	3504564.152	5	20	5043823.087	7098173.595	6	19	2288272.46	560927.7306	4	19	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit A (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1771|gatA; 417288)	14	0.430327869	7526569.789	1181211.99	2	18	2740734.958	1442850.199	4	18	4970331.232	1980672.291	4	25	3842667.81	1357041.405	3	18	6384064.662	2721220.722	2	19	1	1
Cell division protein ftsA (nmpd|SPy1521|ftsA; 325990)	14	0.462555066	11056271.41	2129713.365	3	20	4046039.545	150911.186	2	15	10047981.37	2057331.743	2	21	4502262.739	1075573.883	3	12	8834602.651	1681717.274	4	19	1	1
Maltose/maltodextrin ABC transporter/ substrate binding periplasmic protein MalE (nmpd|SPy1294|malE; 514910)	14	0.479518072	6154509.637	742669.0591	4	24	3541427.816	1477579.733	4	18	3295016.251	1164463.589	4	17	2789688.21	1062358.918	4	16	7884312.413	2922905.406	4	25	1	1
DNA topoisomerase I (EC 5.99.1.2) (nmpd|SPy1164|topA; 515535)	14	0.286318759	3235265.368	980595.957	4	16	2072304.432	679442.7089	4	15	2872344.446	200635.2395	4	19	1346515.528	386926.1605	4	13	2177063.953	690239.1815	4	13	1	1
LSU ribosomal protein L10p (P0) (nmpd|SPy1072|rplJ; 514835)	14	0.65060241	70472519.65	43774445.84	4	27	43687738.9	40433409.49	4	22	43996102.15	32668932.4	4	23	49448510.6	28944270.99	4	23	44758981.49	30742470.96	3	20	1	1
dTDP-glucose 4 2C6-dehydratase (EC 4.2.1.46) (nmpd|SPy0936|cpsFQ; 520026)	14	0.404624277	14208707.24	1659688.894	2	18	3308086.99	1296284.79	2	9	7710260.311	3191589.824	2	15	6400736.363	1023351.403	2	14	12343865.24	209743.1114	2	10	1	1
ATP-dependent Clp protease ATP-binding subunit clpX (nmpd|SPy0885|clpX; 514859)	14	0.344743276	7802672.182	6030721.275	5	18	6426196.34	4251225.701	6	21	10466048	9665990.158	6	26	7791662.728	4916736.283	4	19	6832723.194	3978792.55	5	17	1	1
RNA polymerase sigma factor RpoD (nmpd|SPy0782|rpoD; 325336)	14	0.368563686	25633919.42	13365945.73	4	20	12683076.11	4114924.066	4	20	21310004.29	8804287.566	4	22	12545802.04	4745917.047	4	25	15852457.76	5538347.023	4	16	1	1
Tyrosyl-tRNA synthetase (EC 6.1.1.1) (nmpd|SPy0096|tyrS; 515444)	14	0.449760766	6633959.97	4395426.95	3	12	9257684.228	81777.50787	2	16	5855516.881	1820533.233	3	15	3932302.496	3073883.038	2	12	6537169.008	821223.6453	2	9	1	1
LSU ribosomal protein L16p (L10e) (nmpd|SPy0057|rplP; 324822)	14	0.401459854	37473362.79	19644218.32	5	15	24278742.35	13891426.93	5	15	45482818.98	11758533.78	4	18	30249943.97	12727724.73	4	17	37736894.84	13857631.26	4	13	1	1
LSU ribosomal protein L3p (L3e) (nmpd|SPy0049|rplC; 514900)	14	0.442307692	46958646.91	38360953.8	4	17	30605039.98	21688267.91	4	12	33011538.99	27592301.64	4	14	32386741.52	26081185.27	4	13	38552230.16	29143770.13	4	12	1	1
ATP synthase alpha chain (EC 3.6.3.14) (nmpd|SPy0758|atpA; 325315)	13	0.352589641	11569891.94	8502568.19	4	25	4609926.324	2516397.119	5	19	10269553.39	3940091.061	5	22	5269826.268	3849197.951	4	18	9584047.2	6645542.782	5	23	1	1
SSU ribosomal protein S9p (S16e) (nmpd|SPy1931|rpsI; 326368)	13	0.523076923	33257087.69	30187183.26	6	17	33678946.47	32791197.42	4	12	16312501.31	9361667.428	6	15	21871273.64	20421022.36	5	12	66051535.48	16633366.85	4	15	1	1
DNA binding protein starved cells-like peroxide resistance protein (nmpd|SPy1531|; 325999)	13	0.417142857	86820664.53	73600504.88	5	21	28112609.46	29497857.43	5	15	35913522.19	43023372.18	5	18	62726484.72	48266189.57	5	21	61562157.05	39992780.18	4	19	1	1
hypothetical protein SPy1343 [Streptococcus pyogenes M1 GAS] (ref|NP_269453.1|; 515708)	13	0.277992278	2959387.183	1734552.878	3	18	1391913.925	196484.0274	2	10	1719231.839	1016893.943	3	15	1851377.59	85621.49892	2	13	2009681.506	1391153.471	3	15	1	1
General stress protein 2C Gls24 family (nmpd|SPy1260|; 325679)	13	0.705521472	37394024.66	45677315.05	6	25	12316433.67	12365313.16	5	18	31018567.1	27396990.83	6	25	19472821.79	18325225.08	6	24	36295105.36	33334223.23	6	22	1	1
Phosphate acetyltransferase (EC 2.3.1.8) (nmpd|SPy1128|pta; 515109)	13	0.425981873	4936931.359	2401311.404	5	16	3399618.217	945284.8977	3	12	3406382.978	832788.5992	4	12	2774947.716	1026205.694	3	11	6880700.262	1364964.562	4	18	1	1
Dihydrolipoamide acetyltransferase component (E2) of acetoin dehydrogenase complex (EC 2.3.1.-) (nmpd|SPy1029|acoC; 515218)	13	0.381663113	7172926.061	1271022.526	4	16	3223244.316	742834.5626	4	11	6066494.929	907200.0376	4	22	4261747.03	696300.6171	4	16	7800907.667	2221289.787	3	16	1	1
2-dehydropantoate 2-reductase (EC 1.1.1.169) (nmpd|SPy0852|apbA; 515255)	13	0.35504886	7586353.821	384162.8178	2	15	8766139.628	2143124.954	2	16	8224916.391	281747.0734	2	17	6880781.887	92609.81942	2	14	5281375.247	1713514.813	3	11	1	1
Signal recognition particle receptor protein FtsY (3Dalpha subunit) (TC 3.A.5.1.1) (nmpd|SPy0569|ftsY; 325215)	13	0.360465116	3903279.024	1659687.503	4	19	2315420.432	1722545.091	4	13	4808920.807	2400613.062	4	22	1972862.513	1182659.925	4	11	3260848.759	1967672.749	4	17	1	1
Manganese ABC transporter, periplasmic-binding protein SitA/MtsA (nmpd|SPy0453|mtsA; 514856)	13	0.464516129	11248751.09	4813622.854	3	11	8067276.938	5530381.122	6	19	6325008.829	3102894.766	6	21	5707496.12	4096614.92	6	19	7311538.923	4390165.826	6	19	1	1
Methionyl-tRNA synthetase (EC 6.1.1.10) (nmpd|SPy0422|metS; 514957)	13	0.255255255	4098737.453	2164884.702	5	24	3158885.416	1769158.879	5	17	2822928.433	1524166.482	4	22	2553963.787	1163399.566	5	18	3973535.64	1875860.254	6	23	1	1
SSU ribosomal protein S12p (S23e) (nmpd|SPy0271|rpsL; 324983)	13	0.313868613	68581924.97	64506172.7	6	27	50397321.59	37263202.54	6	28	59988290.42	54404964.75	6	32	42213671.35	32313349.49	6	31	56399457.72	47571097.66	6	30	1	1
LSU ribosomal protein L24p (L26e) (nmpd|SPy0062|rplX; 350744)	13	0.564356436	48577298.09	12023275.18	4	21	26843505.73	11292096.78	3	12	29074153.86	17066748.6	4	24	23065571.09	18006277.52	4	20	27752477.11	15526273.77	4	18	1	1
Streptococcal inhibitor of complement (SIC) (nmpd|SPy2016|sic; 386421)	12	0.535714286	0	0	0	0	4779501.79	4688051.305	4	14	77108.75419	0	1	1	13336616.39	14961834	4	24	0	0	0	0	1	1
Streptococcal collagen-like surface protein (SclA) (nmpd|SPy1983|sclA; 515518)	12	0.347701149	0	0	0	0	1354644.898	489986.2206	4	12	315930.7605	86085.56468	2	3	67378.78787	50221.44302	2	2	118993.0333	24450.81263	2	2	1	1
Xaa-Pro dipeptidyl-peptidase (EC 3.4.14.11) (nmpd|SPy1858|pepXP; 515739)	12	0.210526316	2343640.884	2236967.392	4	12	1622185.734	2015283.896	3	6	3818670.399	2190440.81	4	15	1304454.492	663448.2938	3	10	1426123.672	234308.8154	4	11	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit B (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1770|gatB; 515038)	12	0.313152401	4220467.591	1861397.302	6	16	2077511.314	977926.0266	5	15	3897716.603	1312371.182	6	18	3087869.799	1611892.471	6	17	3566588.946	1724319.197	5	18	1	1
Protein phosphatase 2C (EC 3.1.3.16) (nmpd|SPy1626|pppL; 326101)	12	0.5	5168499.327	1388122.929	3	15	2165147.138	855545.3018	3	10	4189066.937	1386948.795	3	15	2363504.212	1104552.53	4	13	3642030.711	1140358.026	4	12	1	1
Peptide chain release factor 3 (nmpd|SPy1416|prfC; 515073)	12	0.284046693	4038563.006	88864.31539	2	13	2116024.434	1329270.46	2	11	2553952.193	2110258.371	4	20	1791641.508	737429.7628	4	13	2075635.317	1439591.091	4	16	1	1
Lipoate-protein ligase A (nmpd|SPy1033|; 515746)	12	0.416413374	7129010.388	2456302.161	4	21	4451959.914	1744940.867	4	21	4220523.129	866572.9077	4	19	3938871.804	1723551.18	4	19	4549334.838	2910410.228	4	17	1	1
Glucose-1-phosphate thymidylyltransferase (EC 2.7.7.24) (nmpd|SPy0933|cpsFO; 515474)	12	0.387543253	10483532.49	4258487.363	6	26	7870808.719	2311431.035	5	20	11249735.62	2135056.982	5	23	7033121.152	3265150.906	6	17	8086272.226	4601403.545	5	18	1	1
periplasmic component of efflux system (nmpd|SPy0836|; 515348)	12	0.527186761	5000947.04	1038860.076	4	17	2229397.441	369009.6809	4	15	2822983.658	957163.5348	4	21	3002265.209	663679.2819	3	15	4145517.957	422523.1686	2	14	1	1
dTDP-4-dehydrorhamnose reductase (EC 1.1.1.133) (nmpd|SPy0784|rmlD; 515124)	12	0.454225352	3678726.148	99832.01283	2	13	3201643.915	452707.9154	2	9	3830360.529	598808.4759	2	12	2398831.356	227567.4123	2	8	1076340.806	14407.29941	2	4	1	1
UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (nmpd|SPy0763|; 325320)	12	0.394799054	1800690.018	1025816.679	4	9	485619.5037	429536.3463	2	4	2651001.112	1524131.17	6	15	1684296.424	1640128.374	5	8	1973180.105	1213687.945	5	12	1	1
Dipeptidase (EC 3.4.-.-) (nmpd|SPy0713|pepD; 515606)	12	0.300847458	8390159.61	2806939.993	3	16	3926458.955	1787162.913	2	10	8433784.736	3262270.26	4	15	4961092.855	2266006.753	3	12	6728925.698	2067230.143	4	12	1	1
N-acetylglucosamine-1-phosphate uridyltransferase (EC 2.7.7.23) 2F Glucosamine-1-phosphate N-acetyl (nmpd|SPy0443|gcaD; 515363)	12	0.286956522	4393911.14	1446181.366	4	16	3546503.308	2179303.57	6	18	4413591.049	2444570.967	6	21	1357666.289	719186.7231	4	14	3921994.644	1754609.187	4	19	1	1
Uracil phosphoribosyltransferase (EC 2.4.2.9) (nmpd|SPy0392|; 325072)	12	0.61722488	20952581.91	12083528.07	4	17	24928569.88	24281451.67	5	20	21346061.48	16720031.13	6	24	12987565.26	8888017.316	5	21	24330667.38	22625256.23	5	20	1	1
Acetate kinase (EC 2.7.2.1) (nmpd|SPy0109|ackA; 514946)	12	0.334170854	7842920.368	4231353.53	4	15	6684987.559	2185677.227	4	16	7037290.856	3817066.248	4	12	6316394.55	1950829.45	4	13	9496964.447	2950069.658	3	12	1	1
SSU ribosomal protein S11p (S14e) (nmpd|SPy0078|rpsK; 350747)	12	0.496062992	26903887.84	16634752.26	3	12	18898110.78	13366342.38	4	11	16847297.73	8858962.083	4	12	14126286.13	5711771.462	4	8	21454809.14	16616377.24	5	13	1	1
LSU ribosomal protein L4p (L1e) (nmpd|SPy0050|rplD; 324816)	12	0.439613527	37806586.97	27357943.84	5	21	32520454.96	32479604.5	5	17	18264127.18	5054012.158	4	19	29942550.08	27963287.51	5	16	22722406.16	10032719.21	4	14	1	1
Ribose-phosphate pyrophosphokinase (EC 2.7.6.1) (nmpd|SPy0020|prsA.2; 515259)	12	0.3875	24567390.66	22508814.45	5	24	17584723.03	15743247.35	6	19	33675337.7	24969682.81	4	23	16024150.8	15876599.41	6	22	29176835.19	23421052.49	4	19	1	1
CTP synthase (EC 6.3.4.2) (nmpd|SPy1894|pyrG; 326334)	11	0.325842697	3539858.942	1612319.977	2	14	943745.4189	307919.5038	2	7	2494053.506	94559.49855	2	10	3228496.534	883562.1152	2	15	3707384.679	1186437.089	2	12	1	1
Zn-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy1876|; 326322)	11	0.292857143	1828838.328	955992.7209	4	13	1028298.522	700208.8156	4	10	1681100.672	7084.985411	2	10	688826.5639	495766.3521	2	7	1002038.422	280780.6588	3	9	1	1
Translation elongation factor P 3B Translation initiation factor 5A (nmpd|SPy1821|; 326255)	11	0.556756757	42635136.85	1847425.786	2	18	35228429.91	2838934.965	2	15	48192975.28	1883621.377	2	13	35371677.07	1611277.71	2	16	24711295.98	21458574.78	3	13	1	1
Aspartate aminotransferase (EC 2.6.1.1) (nmpd|SPy1779|; 515825)	11	0.435643564	4731705.455	2452216.709	4	18	749233.9002	326378.0292	3	6	3137026.488	1282315.393	4	15	1826037.498	529718.4006	4	12	2159376.263	917020.6366	4	10	1	1
GTP-sensing transcriptional pleiotropic repressor codY (nmpd|SPy1777|codY; 515496)	11	0.55	6562612.047	3958119.769	3	17	5000474.339	1566714.526	2	10	6554569.397	4916653.56	3	15	3497791.35	2658744.558	3	10	7187441.175	3272045.07	2	13	1	1
3-oxoacyl- 5Bacyl-carrier protein 5D reductase (EC 1.1.1.100) (nmpd|SPy1749|fabG; 515084)	11	0.409836066	28222833.15	21454131.59	6	24	15074609.02	9821564.276	5	18	27635967.46	25828407.17	5	20	20917173.47	12050188.02	5	17	37476737.66	32026713.05	5	19	1	1
Nicotinate phosphoribosyltransferase (EC 2.4.2.11) (nmpd|SPy1653|nadE; 515154)	11	0.258264463	6179700.717	70668.3841	2	16	3259073.732	544351.6849	2	10	4680608.565	467221.233	2	14	2551314.136	194843.4539	2	9	4442095.047	116874.188	2	13	1	1
Dihydroorotate dehydrogenase 2C catalytic subunit (EC 1.3.3.1) (nmpd|SPy1432|pyrD; 514882)	11	0.363344051	9583282.587	6278902.883	5	22	11280266.63	7330731.296	4	21	10002733.93	4868470.895	5	20	5364739.485	3185324.512	4	17	9063064.006	671314.1056	2	13	1	1
Uracil phosphoribosyltransferase (EC 2.4.2.9) 2F Pyrimidine operon regulatory protein pyrR (nmpd|SPy0830|pyrR; 520032)	11	0.583815029	1440215.479	710328.6637	4	12	8792295.804	11151032.58	6	22	8525496.771	9710168.868	5	18	3631946.801	4248576.821	6	14	2352944.137	2371654.47	5	13	1	1
Pyrrolidone-carboxylate peptidase (EC 3.4.19.3) (nmpd|SPy0506|; 325163)	11	0.734883721	9162102.474	6038620.903	3	15	3438435.067	477778.7387	2	8	7245072.201	947335.8708	2	8	6341268.825	779832.9728	2	8	4013077.506	2866225.661	3	10	1	1
LSU ribosomal protein L11p (L12e) (nmpd|SPy0460|rplK; 350748)	11	0.432624113	249017946.1	196700708.6	6	17	199512175.7	136996120.5	6	20	109894983	91239017.78	6	20	167452200.7	107475587	6	17	213633219	183985988.9	6	15	1	1
Transcription elongation factor GreA (nmpd|SPy0349|greA; 325040)	11	0.784090909	6808159.186	570956.9658	2	9	1917771.683	1153524.343	3	10	8509972.797	233166.1371	2	15	3359483.719	880498.8506	3	10	6602480.802	176655.3603	2	9	1	1
ABC transporter 2C substrate-binding protein (nmpd|SPy0317|; 515645)	11	0.532142857	10215155.52	9657110.941	6	19	2264031.363	1989212.634	5	15	4508370.434	3171060.735	6	20	4514466.649	3096491.531	6	19	3967875.421	3593336.847	6	17	1	1
Purine operon repressor (nmpd|SPy0268|purR; 324981)	11	0.505376344	2020564.396	924718.8912	3	9	5446487.596	4786971.168	2	4	4868439.407	2354992.856	6	16	2517879.531	2245417.441	4	8	3005314.505	2635897.312	5	9	1	1
Jag protein (nmpd|SPy0248|; 514906)	11	0.506578947	8558510.802	768198.8034	4	20	3629583.177	765564.0005	4	15	5178496.424	1189397.613	4	18	3987330.546	562498.3404	4	18	6729195.58	586827.185	4	19	1	1
L-proline Glycine Betaine ABC transport ATP-binding protein proV (TC 3.A.1.12.1) (nmpd|SPy0183|opuAA; 515932)	11	0.391959799	5035030.059	2949975.11	3	14	1340156.185	191266.0921	2	9	3538123.852	2406327.206	3	13	2154227.505	1388510.54	3	11	5035388.54	2446982.756	3	14	1	1
LSU ribosomal protein L22p (L17e) (nmpd|SPy0055|rplV; 350764)	10	0.49122807	46864411.08	52058090.41	4	14	32576886.68	35004884.93	4	11	35573537.01	35854017.54	4	14	34232644.1	34729713.22	4	12	42783534.55	47904846.16	4	14	1	1
Major cold-shock protein (nmpd|SPy2077|; 344022)	10	0.671641791	8264990.591	5929014.254	4	18	2797450.798	882654.658	2	10	12391076.69	3868087.724	2	10	7865747.525	1230389.39	2	11	20032986.31	1484193.531	2	11	1	1
hypothetical protein (nmpd|SPy2009|; 515858)	10	0.250659631	1634611.237	1055644.861	4	10	3963518.102	2658883.885	4	12	3153098.877	1633123.468	4	13	1978038.004	376876.1512	4	11	1752148.468	984162.9898	3	7	1	1
Multiple sugar ABC transporter 2C ATP-binding protein (nmpd|SPy1976|msmK; 515650)	10	0.350132626	5148048.941	3616543.348	6	15	2671071.724	1416275.441	5	10	2545125.45	967436.6593	5	11	2572778.748	1489640.971	5	11	1348257.53	462180.8239	5	13	1	1
Cysteinyl-tRNA synthetase (EC 6.1.1.16) (nmpd|SPy1941|cysS; 515568)	10	0.29753915	528347.9133	61092.38544	3	5	574879.4318	620040.4505	4	6	502572.969	261273.7099	3	7	335798.5976	4648.681995	2	4	597144.4847	237267.937	4	10	1	1
SSU ribosomal protein S18p (nmpd|SPy1829|rpsR; 326281)	10	0.544303797	43033275.34	54451468.83	4	14	37436235.01	52985894.36	4	17	13043435.89	4964951.768	4	16	11077958.71	5428701.512	4	14	40211362.1	62717979.61	4	11	1	1
Heat shock protein GrpE (nmpd|SPy1761|grpE; 326212)	10	0.357894737	5741648.832	1993851.183	4	8	1813534.48	1111963.095	4	7	1956036.142	731456.3593	4	10	1130519.276	368146.6604	4	7	1585093.536	973228.6066	3	6	1	1
Chaperone protein DnaJ (nmpd|SPy1759|dnaJ; 515416)	10	0.354497354	8368833.233	4771904.628	4	12	5832713.987	3786467.94	4	11	5195015.724	3563434.437	4	8	5504523.003	3626028.471	4	12	6992134.855	3773114.612	4	12	1	1
Biotin carboxylase of acetyl-CoA carboxylase (EC 6.3.4.14) (nmpd|SPy1745|accC; 515236)	10	0.359030837	14672399.36	15301565.29	4	16	3259607.054	607135.1696	3	10	22026222.84	12329998.05	4	18	13834477.7	8551365.046	4	18	19223278.37	8095630.696	4	20	1	1
ATP-dependent RNA helicase (nmpd|SPy1659|; 515207)	10	0.286353468	4624463.035	3885786.481	6	11	2924214.299	3288801.664	5	12	5738016.265	4699043.946	5	10	4097574.223	3774639.619	6	11	1984469.405	752077.2531	4	9	1	1
Hypothetical protein SPy1643 (nmpd|SPy1643|; 515071)	10	0.224948875	1653009.092	582840.4102	5	11	617885.6599	216994.4303	4	7	1377990.215	47138.19738	2	11	1204412.875	609877.1219	4	10	1057475.364	314250.4094	4	7	1	1
Ornithine carbamoyltransferase (EC 2.1.3.3) (nmpd|SPy1544|arcB; 515028)	10	0.293768546	13688917.12	7312670.608	4	20	186792.1537	0	1	2	655867.9965	101444.8916	2	6	3049003.88	2838264.72	4	16	12368372.62	10467516.6	3	18	1	1
Nucleoside transport ATP-binding protein (nmpd|SPy1227|; 515750)	10	0.268627451	1076168.159	206578.4891	2	8	292643.7043	108887.3671	2	2	1775952.748	1242350.998	4	9	289432.7993	109336.983	2	4	1342825.111	9076.270145	2	7	1	1
tRNA 3Am(5)U-54 MTase gid (nmpd|SPy1173|; 515507)	10	0.330357143	4292040.027	2678675.112	4	19	4878167.591	4401725.239	4	16	28679715.9	53967036.62	4	8	2247497.236	1974804.267	2	4	4018448.155	3210999.407	3	13	1	1
GTP-binding protein LepA (nmpd|SPy1053|lepA; 514911)	10	0.236065574	1726040.877	448062.5074	2	10	847042.5976	18271.43199	2	6	1248358.552	770983.5246	2	7	568069.984	525324.8492	2	5	1200819.004	584567.2133	2	8	1	1
Rhodanese-related sulfurtransferases (nmpd|SPy0915|; 514878)	10	0.375	2192344.739	132819.9572	2	9	135232.203	20016.68745	2	2	948445.8679	245791.2477	2	6	1040135.388	55152.33863	2	6	891985.9559	277557.6776	2	6	1	1
Branched-chain amino acid aminotransferase (EC 2.6.1.42) (nmpd|SPy0911|bcaT; 515274)	10	0.341176471	20383256.63	10729353.6	4	19	14188782.35	8031602.798	4	12	22992394.27	13814982.48	4	19	11782418.75	7728820.484	4	16	15326209.98	7538290.871	4	16	1	1
putative ABC transporter (binding protein) [Streptococcus pyogenes M1 GAS] (ref|NP_269099.1|; 515604)	10	0.434782609	11546670.77	1581212.291	2	18	11480782.21	4622420.623	2	15	9347747.5	948451.1069	2	17	4676852.328	1470244.19	2	12	5101859.158	270225.2794	2	11	1	1
Orotate phosphoribosyltransferase (EC 2.4.2.10) (nmpd|SPy0901|pyrE; 515249)	10	0.373205742	4524555.371	2843295.32	6	14	9625399.327	8096295.19	5	13	4692430.068	3898998.246	4	15	2375247.225	1308188.933	5	16	1927332.274	450887.9481	4	9	1	1
DNA gyrase subunit B (EC 5.99.1.3) (nmpd|SPy0727|gyrB; 515586)	10	0.212307692	795577.6649	702970.9458	3	9	1257334.358	1378260.913	3	6	753096.4692	482197.3147	4	13	909534.2153	984217.1992	3	4	420185.5544	128859.5182	3	7	1	1
GTP-binding protein Era (nmpd|SPy0476|; 515427)	10	0.426174497	4611604.178	2138061.82	3	12	2070222.52	1987493.369	3	7	2839859.072	1877423.123	4	16	2440840.758	1343270.532	3	9	4417415.151	3227642.498	3	14	1	1
GTP-binding protein EngA (nmpd|SPy0341|pgdA; 325034)	10	0.279816514	2677847.171	854140.7052	4	16	955811.78	522281.7988	3	7	2004298.376	858753.2588	4	10	986619.7231	371472.0781	3	6	1623828.053	77062.47249	3	9	1	1
Oligopeptide transport system permease protein oppB (TC 3.A.1.5.1) (nmpd|SPy0294|oppB; 515292)	10	0.208	40636890.91	34827033.29	4	14	1114247.653	630126.6106	3	7	24199004.99	20124154.34	4	13	12744491.61	14513499.62	3	8	1664418.571	252989.0982	3	8	1	1
Transcription antitermination protein NusG (nmpd|SPy0164|nusG; 515083)	10	0.592178771	12692324.49	6653584.028	4	16	6653109.485	4539327.809	3	12	8403300.955	2804838.26	4	15	3901787.34	1310756.035	3	11	8579268.787	4111782.939	4	16	1	1
LSU ribosomal protein L23p (L23Ae) (nmpd|SPy0051|rplW; 324817)	10	0.602040816	26756884.21	23050141.15	6	24	42586361.57	53354481.49	6	20	42443480.29	47628558.12	6	29	42336814.93	50231427.96	6	29	38915255.77	65411633.11	6	23	1	1
Peptide deformylase (EC 3.5.1.88) (nmpd|SPy1958|; 326391)	9	0.553921569	2699458.459	98900.85748	2	11	6028690.931	2822980.035	2	15	5057483.852	783861.6643	2	17	4701349.833	618787.0739	2	13	2995622.322	1582181.654	2	8	1	1
Acid phosphatase (EC 3.1.3.2) (nmpd|SPy1882|lppC; 515445)	9	0.341549296	10203590.3	6384759.849	4	20	3981111.487	3026845.995	4	19	5677657.651	2602963.521	4	19	7587522.33	4260220.273	3	19	6323506.368	2575845.764	3	14	1	1
hypothetical protein SPy1865 [Streptococcus pyogenes M1 GAS] (ref|NP_269858.1|; 515203)	9	0.450777202	1198669.886	536318.2705	2	7	733873.5554	365835.1443	2	5	1411380.945	138105.7603	2	6	908929.7005	44573.33834	2	7	1219544.447	193758.0379	2	8	1	1
hypothetical protein SPy1780 [Streptococcus pyogenes M1 GAS] (ref|NP_269794.1|; 515442)	9	0.613095238	5654590.48	3218794.281	4	13	4986018.412	2913920.625	3	9	8365622.52	6258601.411	4	11	7328084.551	5209023.71	4	10	5579614.999	4499422.539	3	9	1	1
Enoyl- 5Bacyl-carrier-protein 5D reductase 5BFMN 5D (EC 1.3.1.9) (nmpd|SPy1751|fabK; 326205)	9	0.291021672	5037518.243	1940879.011	5	16	2155199.336	562035.9517	4	10	5729386.963	3011237.235	4	17	4669843.944	2311376.364	3	15	4206859.012	2353595.691	4	10	1	1
Glycyl-tRNA synthetase alpha chain (EC 6.1.1.14) (nmpd|SPy1689|glyQ; 515355)	9	0.386885246	7431684.691	4000230.197	4	14	3132727.324	119989.7048	2	4	5248949.014	711245.0025	4	13	3241489.719	285961.1098	2	6	3961692.146	2359329.562	4	9	1	1
Serine 2Fthreonine protein kinase (EC 2.7.1.37) (nmpd|SPy1625|; 515677)	9	0.234177215	1932208.552	363453.7639	2	10	1651089.94	687751.2668	2	9	2175417.649	509601.0014	2	10	2386825.697	238974.0892	2	12	2734958.225	644207.9524	2	13	1	1
Glucokinase (EC 2.7.1.2) (nmpd|SPy1529|glcK; 515939)	9	0.374613003	4153573.285	2839766.063	4	16	2096590.883	703109.6645	4	18	5436322.235	1510144.83	4	16	1824901.134	753469.1477	4	11	2894273.365	1364288.966	4	16	1	1
Uridine kinase (EC 2.7.1.48) (nmpd|SPy1368|; 515899)	9	0.543269231	2185561.453	637157.2828	3	9	1170113.444	702698.7923	3	5	1676053.37	557697.0203	3	9	1091004.32	60115.10407	2	7	1936071.587	790142.9188	4	10	1	1
S-adenosylmethionine synthetase (EC 2.5.1.6) (nmpd|SPy1359|metK; 515626)	9	0.32160804	3574088.889	1039992.337	4	12	2148740.388	1127183.431	4	10	2655989.166	666383.9929	4	11	1901609.672	721828.8437	4	10	2917427.718	1671556.615	4	13	1	1
Glutamine transport ATP-binding protein glnQ (TC 3.A.1.3.2) (nmpd|SPy1316|; 515557)	9	0.418699187	46996964.27	36198205.37	6	18	24648212.68	18572697.7	6	16	54671181.57	49635839.68	6	25	36964299.3	26627052.83	6	15	41811786.71	21060322.31	6	18	1	1
Amino acid ABC transporter 2C amino acid-binding protein (nmpd|SPy1274|; 515107)	9	0.381294964	2262755.353	209532.7576	3	13	368907.4946	33020.61193	2	4	912300.5509	213136.1292	2	5	1076832.462	385879.3322	3	10	1280950.197	10025.93124	2	6	1	1
ATP-dependent DNA helicase pcrA (EC 3.6.1.-) (nmpd|SPy1267|pcrA; 515030)	9	0.180051813	850946.6089	245364.376	2	8	476410.9905	99989.15682	2	7	797057.0744	165049.1333	2	7	128957.858	12267.93989	2	2	556064.4542	313060.1397	2	5	1	1
Phosphate transport system regulatory protein PhoU (nmpd|SPy1240|phoU; 515102)	9	0.502304147	5433989.597	2456218.727	3	12	1324223.139	531061.9987	3	7	3670962.864	1678316.513	3	8	2478588.919	1038206.689	4	12	3789742.443	2164907.83	2	9	1	1
Acetoin dehydrogenase E1 component alpha-subunit (EC 1.1.1.5) (nmpd|SPy1026|acoA; 514897)	9	0.378881988	7461194.917	10509129.81	4	17	12274041.72	11312449.43	3	15	18287812.97	18413873.01	2	13	3754109.723	441160.6203	3	13	2210943.428	336418.0374	3	9	1	1
Zn-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy1020|; 515868)	9	0.2079566	5402209.6	2106987.35	6	22	2588185.203	1143425.176	5	13	1981338.186	388835.5752	4	13	2168164.47	682809.6249	4	13	5081379.955	3318069.801	5	16	1	1
hypothetical protein (nmpd|SPy0919|; 325466)	9	0.672413793	3945849.531	1936683.099	5	11	3170896.717	1273470.981	6	13	2564888.547	1746202.214	6	11	2312953.315	1353349.733	6	10	3742110.082	1942688.008	5	12	1	1
Topoisomerase IV subunit A (EC 5.99.1.-) (nmpd|SPy0910|parC; 514844)	9	0.173382173	1596061.246	67870.53754	2	11	1096457.32	294831.2935	2	9	1422128.226	532856.7969	3	14	1570584.944	404457.0647	2	12	2041448.355	143840.7109	2	13	1	1
Tagatose-6-phosphate kinase (EC 2.7.1.144) 2F 1-phosphofructokinase (EC 2.7.1.56) (nmpd|SPy0854|fruB; 515190)	9	0.442244224	5634981.828	2624806.136	4	20	1486788.592	887560.4784	3	7	3022983.249	1377629.74	3	14	1943094.354	1181118.614	4	11	2875807.815	1472727.611	3	11	1	1
Carbamoyl-phosphate synthase small chain (EC 6.3.5.5) (nmpd|SPy0833|carA; 325379)	9	0.280555556	3265094.206	1616187.15	5	12	3961544.273	2418109.133	5	18	5045105.843	2628548.673	4	16	3589044.31	1337468.954	4	14	3332758.664	2153163.333	4	11	1	1
Phosphoglycerol transferase (nmpd|SPy0807|; 411637)	9	0.207880435	2330445.844	270202.0047	2	7	692556.8721	400307.7536	2	5	1834908.154	211497.8841	2	6	1492994.909	147661.6436	2	7	1081510.046	607899.1968	2	5	1	1
Translation initiation factor 3 (nmpd|SPy0804|infC; 325355)	9	0.494318182	3792788.846	2402533.727	4	14	3050594.751	1632089.425	5	14	4002401.445	1562856.796	5	14	3802434.241	1724507.237	5	14	2943439.754	601772.0655	4	10	1	1
ATP synthase B chain (EC 3.6.3.14) (nmpd|SPy0756|atpF; 515870)	9	0.463414634	7202833.793	2389539.126	6	13	2705359.27	1617672.506	6	12	3274271.16	1707661.005	5	15	3356883.111	2106574.318	5	11	5208108.589	3043261.484	4	8	1	1
ATP-binding protein (contains P-loop) (nmpd|SPy0652|; 515935)	9	0.462837838	3689603.203	60598.86403	2	11	1720009.515	874512.7232	2	8	4058184.858	581279.136	2	15	1762099.917	783012.3206	2	9	4481268.986	566537.5489	2	13	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0567|; 515322)	9	0.366037736	2799830.901	168065.9186	2	10	1424228.868	897278.7534	2	10	2608555.718	500741.6333	2	10	1458011.752	581149.7221	2	10	2504694.963	211258.2895	2	8	1	1
Peptidyl-prolyl cis-trans isomerase (EC 5.2.1.8) 2C cyclophilin-type (nmpd|SPy0457|; 515194)	9	0.399253731	4397410.689	1121004.483	4	16	3105046.169	1250685.169	3	12	3014170.465	1167819.81	4	13	3115773.703	1230156.119	5	16	3557402.83	1640029.217	4	13	1	1
UDP-N-acetylmuramate--alanine ligase (EC 6.3.2.8) (nmpd|SPy0345|murC; 514893)	9	0.2760181	2776050.524	932738.7116	4	11	1098755.821	1123020.951	4	5	2620777.273	532267.1669	6	20	1614963.692	1018402.382	4	8	1435567.138	780170.6442	4	7	1	1
Glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) (nmpd|SPy0316|; 515227)	9	0.365546218	7298192.141	3823499.443	6	22	7291524.11	2475788.441	6	20	8123222.327	4155387.482	6	20	6328873.243	3622814.256	5	19	7035235.61	3938251.849	5	13	1	1
DNA polymerase I (EC 2.7.7.7) (nmpd|SPy0185|polA; 515499)	9	0.143181818	2373849.342	1910213.523	4	6	1142126.199	990098.1997	3	6	1581201.288	1095795.347	4	6	923686.9258	594482.6305	4	6	653529.8575	155556.7509	3	6	1	1
Chaperonin (heat shock protein 33) (nmpd|SPy0123|; 514889)	9	0.448275862	1839226.923	1196717.468	3	11	1445339.766	311569.6348	2	7	2021454.54	226665.7966	2	8	1059058.749	698063.8071	3	9	1971971.532	318429.2272	2	9	1	1
LSU ribosomal protein L18p (L5e) (nmpd|SPy0067|rplR; 350745)	9	0.576271186	54187823.69	42565950.64	4	9	26201956.64	42504422.74	3	3	18046344.15	27447150.38	3	5	30671169.52	33274285.66	4	7	3200653.151	25442.20567	2	5	1	1
SSU ribosomal protein S10p (S20e) (nmpd|SPy0047|rpsJ; 324814)	9	0.450980392	67754554.78	33580811.3	4	12	43471836.91	34756825.3	4	11	44478850.02	39827950.65	4	11	32842770.26	28968533.52	4	8	66144568.63	42858454.04	4	14	1	1
Adenylosuccinate lyase (EC 4.3.2.2) (nmpd|SPy0036|purB; 515519)	9	0.286046512	368867.7465	130378.2987	2	3	279663.1729	0	1	2	1567695.163	1532766.48	3	9	269144.6388	226860.8254	2	4	486079.0979	108811.7359	2	5	1	1
SSU ribosomal protein S16p (nmpd|SPy0840|rpsP; 325386)	8	0.333333333	57030859.8	4663819.067	2	7	49692331.74	1611805.777	2	6	44376498.72	4498791.815	2	4	43631525.03	2301211.996	2	6	41521045.24	17781178.67	2	6	1	1
Hyaluronan synthase (EC 2.4.1.212) (nmpd|SPy2200|hasA; 386411)	8	0.205250597	0	0	0	0	7319436.739	1449654.685	3	15	422751.7395	209361.87	2	4	0	0	0	0	3203608.952	0	1	1	1	1
L-serine dehydratase 2C alpha subunit (EC 4.3.1.17) (nmpd|SPy2190|sdhA; 514970)	8	0.382758621	776029.3028	281112.3639	3	6	1550499.768	254111.3569	3	10	203607.7508	0	1	1	822783.52	146733.1076	3	7	856804.8129	63737.4317	2	5	1	1
ATP-dependent Clp protease ATP-binding subunit clpA (nmpd|SPy2073|clpC; 514891)	8	0.14987715	763818.716	270398.1503	4	9	512623.1598	333894.8449	4	5	978971.8925	24363.55194	4	10	537444.1034	236482.8874	3	5	959370.4735	287066.1451	3	8	1	1
Streptococcal cysteine protease (Streptopain) (EC 3.4.22.10) (SpeB) (nmpd|SPy2039|speB; 386422)	8	0.334170854	2492684.638	318104.7064	2	10	0	0	0	0	0	0	0	0	0	0	0	0	32595.79658	0	1	1	1	1
periplasmic component of efflux system (nmpd|SPy2032|; 515051)	8	0.312796209	2472701.686	1387116.113	4	11	1099486.697	636097.4115	3	6	2459549.542	1111910.706	4	12	1157844.716	368527.6502	4	8	1279750.679	464865.4641	2	7	1	1
Transcriptional regulator 2C repressor of the glutamine synthetase 2C MerR family (nmpd|SPy1878|; 326324)	8	0.479674797	585331.2433	115756.2049	2	4	2090256.934	96209.84079	2	7	1127477.353	639352.2119	2	6	1986709.183	1732696.792	3	6	4251360.886	5283789.151	3	8	1	1

Integral membrane protein (nmpd|SPy1828|; 533398)	8	0.334862385	5834275.298	1174941.074	4	12	459498.3859	283338.4532	4	5	3574476.101	1676305.892	4	14	3315528.11	709432.538	4	12	3180472.055	1677931.322	3	7	1	1
DegV family protein (nmpd|SPy1698|; 515103)	8	0.253571429	3662456.082	1744628.532	4	11	2044105.317	1518285.458	4	9	5210419.899	1858931.137	4	12	1896848.679	1044459.786	4	9	3746800.515	1845332.247	4	11	1	1
D-alanine--D-alanine ligase (EC 6.3.2.4) (nmpd|SPy1421|ddlA; 515256)	8	0.324712644	1506559.689	319971.0226	3	10	322093.3817	189209.4731	2	3	1427137.77	656152.0004	4	8	827625.5912	336702.0956	4	8	816622.6253	688348.3704	2	3	1	1
COG0536 3A GTP-binding protein Obg (nmpd|SPy1333|; 515814)	8	0.228832952	1742291.471	36020.40463	2	8	1207541.375	297605.4756	2	7	1649735.387	851385.1064	2	9	1690391.72	164928.9613	2	9	2154763.833	275203.1814	2	11	1	1
Peptide chain release factor 1 (nmpd|SPy1141|prfA; 514901)	8	0.272980501	1054489.498	568354.2851	3	7	529794.3356	433303.7111	2	4	1613097.478	344890.963	6	12	592340.5816	405001.059	3	5	992084.9887	785389.6904	4	7	1	1
Oxygen-insensitive NAD(P)H nitroreductase (EC 1.-.-.-) 2F Dihydropteridine reductase (EC 1.6.99.7) (nmpd|SPy1069|; 515617)	8	0.385	2109350.832	488771.2136	4	13	1031541.748	707297.3006	3	4	2438662.455	642319.822	4	9	2169419.461	765864.5144	4	12	2555667.146	879586.5573	3	7	1	1
dTDP-4-dehydrorhamnose 3 2C5-epimerase (EC 5.1.3.13) (nmpd|SPy0935|cpsFP; 325480)	8	0.340101523	9012014.409	4952505.244	4	16	3879979.246	2189328.067	3	8	9264502.05	3872335.998	4	15	5639754.681	2012674.866	4	14	8472746.064	3314333.766	4	13	1	1
Phenylalanyl-tRNA synthetase alpha chain (EC 6.1.1.20) (nmpd|SPy0768|pheS; 515943)	8	0.278820375	2027656.246	581496.2568	2	9	905345.5261	384722.8002	2	7	1653965.173	839327.4428	2	10	1128042.59	933309.7502	2	6	2177361.494	1139439.472	2	9	1	1
LSU ribosomal protein L31p (nmpd|SPy0717|rpmE; 325285)	8	0.744186047	197711071.5	149811486	4	14	85669203.2	66050527.55	4	16	133419933.5	97856801.41	4	15	63337450.85	46755105.71	4	12	141373243	97399607.14	4	15	1	1
Cell division transporter 2C ATP-binding protein ftsE (TC 3.A.5.1.1) (nmpd|SPy0644|ftsE; 325271)	8	0.382608696	887513.205	83358.3087	2	6	142140.7497	16396.99999	2	2	1169877.314	546408.2355	3	10	580291.294	221041.3497	3	7	550690.8954	216256.6215	2	6	1	1
HPr kinase 2Fphosphorylase (EC 2.7.1.-) (EC 2.7.4.-) (nmpd|SPy0584|ptsK; 515298)	8	0.377419355	2375009.078	371055.6982	4	9	487589.9914	168299.0055	2	2	1306231.676	221988.5411	2	7	957047.8078	291683.5567	2	4	1414931.664	0	1	4	1	1
Transcription accessory protein (S1 RNA-binding domain) (nmpd|SPy0580|; 515104)	8	0.146478873	522576.2517	181306.3346	3	5	542339.6799	298841.7067	3	3	161047.7304	164689.551	2	3	496562.9163	587724.3916	2	2	746792.0766	460804.9518	4	6	1	1
N-terminal fragment of SPy0560 (nmpd|SPy0560|; 515272)	8	0.231850117	1523715.525	157194.7237	2	8	1362568.343	0	1	3	1171003.322	675207.6461	4	11	1073697.34	675624.0184	2	5	2278482.439	1941516.989	3	10	1	1
Chromosome partition protein smc (nmpd|SPy0532|; 514929)	8	0.100932994	103910.748	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	81638.95573	27519.98827	2	2	1	1
Catabolite control protein A (nmpd|SPy0514|ccpA; 515185)	8	0.45045045	7485398.039	3020301.871	4	15	5333588.741	3422134.206	3	10	7419743.084	5113466.426	4	13	8156835.629	5557311.483	4	13	7345485.027	7352112.657	3	13	1	1
67kDa Myosin-crossreactive streptococcal antigen (nmpd|SPy0470|; 515126)	8	0.16779661	2520918.246	600388.465	4	13	689909.3209	521151.1783	3	4	363318.356	198693.4307	3	4	591051.5752	378961.523	3	8	1010405.394	397037.0071	3	7	1	1
LSU ribosomal protein L15p (L27Ae) (nmpd|SPy0072|rplO; 324834)	8	0.417808219	40351699.02	46258384.21	6	14	25567287.95	22524634.83	4	10	32468556.34	31048010.57	5	10	26953934.1	24948947.27	5	10	52243200.03	34379734.54	3	6	1	1
LSU ribosomal protein L30p (L7e) (nmpd|SPy0071|rpmD; 324833)	8	0.666666667	57633333.01	54134590.43	6	20	13361557.87	6146933.265	3	13	32204661.47	31991736.83	3	16	36088430.28	30832323.94	4	15	31424391.05	25539199.6	4	11	1	1
LSU ribosomal protein L14p (L23e) (nmpd|SPy0061|; 324825)	8	0.303278689	72751868.32	72370484.81	4	9	20200478.63	21990810.25	3	10	11988504.47	6371560.357	3	7	35401447.61	27509335.5	4	12	53173102.49	75721985.84	3	7	1	1
Tryptophanyl-tRNA synthetase (EC 6.1.1.2) (nmpd|SPy2207|trsA; 514940)	7	0.273529412	9716510.304	9630837.428	4	7	6565284.875	7947889.291	4	7	11691175.2	11813256.74	4	10	7856044.35	7561870.958	4	11	9789648.833	9051824.551	4	13	1	1
LSU ribosomal protein L9p (nmpd|SPy2183|rplI; 350763)	7	0.426666667	4119337.141	3334573.542	4	7	1468681.683	944985.7019	4	6	2217110.963	1265391.963	4	8	1195046.389	616595.0787	4	7	2299338.725	1025145.449	3	8	1	1
hypothetical protein (nmpd|SPy2005|; 326429)	7	0.651515152	94450396.41	131120555.4	6	17	22757861.88	21904292.56	6	12	33520272.86	39623727.28	6	21	13770990.29	13141885.22	6	11	18072331.69	25005412.25	6	6	1	1
Membrane-associated zinc metalloprotease (nmpd|SPy1963|; 515571)	7	0.245823389	714808.439	190455.813	2	5	512896.8184	153689.2601	3	8	997409.0889	280810.2197	2	9	544163.8474	170831.4602	3	5	755941.3857	2441.38959	2	6	1	1
Uridine phosphorylase (EC 2.4.2.3) (nmpd|SPy1869|; 515122)	7	0.316602317	992782.5727	690476.3595	3	9	741233.598	0	1	3	704346.9362	35635.31213	2	7	505191.5355	35435.70886	2	4	282741.9902	307437.8338	2	4	1	1
Acetyl-coenzyme A carboxyl transferase beta chain (EC 6.4.1.2) (nmpd|SPy1744|accD; 514975)	7	0.305555556	1453378.137	617552.7476	4	12	282930.9923	92649.60468	2	2	1752888.113	1853356.132	5	8	674822.1247	226972.5961	4	7	1990126.304	1496286.915	6	14	1	1
Acetyl-coenzyme A carboxyl transferase alpha chain (EC 6.4.1.2) (nmpd|SPy1743|accA; 515698)	7	0.33984375	2156576.125	825802.2892	3	11	390736.221	320057.0379	3	4	3010275.59	601833.557	4	15	1722556.247	233098.2443	4	12	2120596.139	923651.1061	3	13	1	1
Oligoendopeptidase F (nmpd|SPy1393|pepB; 515464)	7	0.151414309	579303.9556	89494.02851	2	5	550623.0442	0	1	2	589313.8071	201495.8292	2	4	284784.2368	97818.65781	2	3	716894.9242	234303.4629	2	4	1	1
Ribonucleotide reductase of class Ib (aerobic) 2C beta subunit (EC 1.17.4.1) (nmpd|SPy1378|nrdF.2; 515382)	7	0.206896552	1783361.414	307757.7361	2	8	508187.3856	468202.1363	2	4	2722896.857	45327.31501	2	11	1363472.513	5385.898843	2	8	2103473.491	401704.986	2	9	1	1
Methionine aminopeptidase (EC 3.4.11.18) (nmpd|SPy1354|; 515847)	7	0.34965035	3777001.627	1462350.932	2	9	3098823.052	812192.0361	2	7	3940233.777	268893.5324	2	9	2927147.949	269009.5941	2	7	2506473.142	822127.8554	2	4	1	1
Excinuclease ABC subunit B (nmpd|SPy1314|uvrB; 515088)	7	0.132730015	488731.0724	23399.02715	2	5	164684.4382	87740.38038	2	3	493693.4391	24334.47892	2	6	209162.273	129011.4383	2	3	277085.1856	162368.6167	2	3	1	1
D-alanine--poly(phosphoribitol) ligase subunit 2 (EC 6.1.1.13) (nmpd|SPy1310|dltC; 325760)	7	0.506329114	12854929.2	9390206.991	5	14	4850224.163	4645122.219	5	11	12603473.99	7860130.364	6	18	7535928.417	6361635.019	4	8	10015708.56	7790026.18	5	12	1	1
Ribose-phosphate pyrophosphokinase (EC 2.7.6.1) (nmpd|SPy1123|; 515443)	7	0.300613497	3308662.947	912312.545	3	10	2252571.933	911980.1771	4	11	4621461.336	870099.5651	4	12	2709182.831	354263.9331	3	11	3150345.289	2163724.873	3	7	1	1
Spermidine Putrescine transport ATP-binding protein potA (TC_3.A.1.11.1) (nmpd|SPy1102|potA; 515879)	7	0.252604167	1143280.855	419091.7052	4	9	449810.7005	70130.64835	4	5	394748.1416	35238.83643	2	3	569593.1216	219017.0056	3	4	1012669.92	553430.8864	4	7	1	1
Ribonuclease Z (EC 3.1.26.11) (nmpd|SPy0924|; 515762)	7	0.265372168	713806.7878	35407.99929	3	7	112862.886	0	1	1	605723.4765	417954.2602	4	4	115258.7315	6684.516376	2	2	1909457.19	2257815.09	2	3	1	1
putative ATP-dependent Clp proteinase (ATP-binding subunit) (nmpd|SPy0888|clpL; 515195)	7	0.124463519	1006586.695	494753.211	4	11	990951.1665	914066.0777	4	8	311900.4156	221836.3733	2	3	292232.4116	225876.1044	2	4	905602.3074	272828.6499	3	9	1	1
Phosphoenolpyruvate carboxylase (EC 4.1.1.31) (nmpd|SPy0608|; 515182)	7	0.135869565	714137.8354	791848.0204	4	5	524021.2923	662048.2412	3	3	990068.3071	563020.9283	4	8	689247.096	834085.0778	2	2	1032523.121	622085.8774	4	8	1	1
Peptidase family U32 (nmpd|SPy0591|; 515149)	7	0.252336449	682742.3112	168004.0696	3	6	215705.8742	0	1	1	845695.5141	201450.6827	2	6	170544.2987	56007.49037	2	2	272080.3331	179914.8127	2	3	1	1
hypothetical protein (nmpd|SPy0588|; 514839)	7	0.401408451	2452184.156	1826140.519	4	6	1857009.723	1514737.757	4	7	1510501.429	1752223.271	3	5	2599669.966	1694363.464	4	9	1735649.513	1173971.242	4	6	1	1
Two-component response regulator SA14-24 (nmpd|SPy0528|vicR; 325188)	7	0.326271186	870574.2422	51495.5305	2	7	342739.2574	334134.3414	2	3	679663.7867	231010.9425	2	6	508481.0881	13038.98309	2	5	457349.0206	164190.0568	2	4	1	1
Ribonuclease R (EC 3.1.-.-) (nmpd|SPy0503|; 515065)	7	0.126126126	381232.7683	25233.33203	2	4	452106.6766	292434.7051	2	4	334403.7192	0	1	2	187205.0706	136156.4867	2	4	173122.7497	0	1	1	1	1
COG1559 protein yceG like (nmpd|SPy0348|; 515319)	7	0.211832061	6642311.643	4823208.415	3	10	1283804.979	77217.49652	2	7	1731189.069	107416.4685	2	7	1818917.521	53229.75011	2	9	3632768.828	1827382.204	2	9	1	1
Amino acid ABC transporter 2C glutamine-binding protein 2Fpermease protein (nmpd|SPy0277|; 515262)	7	0.206896552	828068.7377	684128.5741	2	6	274155.5514	0	1	1	380393.4117	182050.5534	3	4	279236.9702	121905.7409	2	3	819973.6208	296996.6661	3	7	1	1
CMP-binding factor (nmpd|SPy0267|; 515778)	7	0.243589744	1814672.28	145135.3339	2	6	651308.6773	572372.798	2	5	2070486.671	630907.4	2	7	667843.0799	421770.6026	2	4	1644144.302	851542.1921	2	7	1	1
Dimethyladenosine transferase (EC 2.1.1.-) (nmpd|SPy0262|ksgA; 515549)	7	0.272413793	1043554.405	136876.0026	2	4	198051.451	0	1	1	951423.9986	677973.0814	3	4	523751.0484	0	1	2	929942.6034	621673.6144	3	5	1	1
SSU ribosomal protein S19p (S15e) (nmpd|SPy0053|rpsS; 350743)	7	0.576086957	2098607.426	419779.9493	3	5	22791167.11	33072068.39	5	13	16725562.71	18500981.78	6	12	7589392.688	9410746.95	4	8	14548326.54	18252164.89	6	10	1	1
DNA polymerase III beta subunit (EC 2.7.7.7) (nmpd|SPy0003|dnaN; 520029)	7	0.26984127	13461272.14	1681675.33	2	15	4357979.811	3358919.133	3	9	11903731.08	15353023.01	4	15	3640979.164	2354406.273	4	14	3573977.484	2904727.262	4	11	1	1
Chromosomal replication initiator protein dnaA (nmpd|SPy0002|dnaA; 324723)	7	0.172949002	542146.331	217541.3623	3	6	693550.2355	0	1	4	579240.2737	107382.0008	2	5	580837.4025	46233.80248	2	7	351432.5414	158667.9263	3	5	1	1
Transcriptional regulator (nmpd|SPy2197|; 520037)	6	0.205278592	845420.7939	444832.9587	4	7	207482.3044	126798.4744	2	2	1070572.094	464057.1604	3	7	163734.2735	103886.9604	2	3	1263173.501	562029.8183	4	8	1	1
tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase (EC 2.1.1.61) (nmpd|SPy2188|; 515063)	6	0.27613941	967447.8901	419310.9248	3	7	1225996.812	488871.1409	3	8	601773.0766	416009.7099	3	4	678348.006	210698.0739	3	5	838060.6544	17335.8408	2	5	1	1
hypothetical protein SPy2065 [Streptococcus pyogenes M1 GAS] (ref|NP_270004.1|; 515470)	6	0.12543554	158174.2343	78852.44359	2	3	0	0	0	0	404976.8369	281752.0412	3	5	0	0	0	0	471829.0064	0	1	3	1	1
hypothetical protein (nmpd|SPy2033|; 520034)	6	0.335820896	3704418.151	2437664.051	3	5	4490934.013	4500164.217	3	5	4336332.365	3073705.525	3	6	2792954.371	2052115.953	3	5	3728243.75	2838591.001	3	7	1	1
Deoxyribose-phosphate aldolase (EC 4.1.2.4) (nmpd|SPy1867|deoC; 515647)	6	0.291479821	7149425.951	5984999.119	4	10	3760611.433	4930970.136	5	7	5229263.395	5030618.233	5	7	4556931.576	4356184.642	4	7	4517688.178	6676885.376	4	7	1	1
C3-degrading proteinase (nmpd|SPy1851|; 515300)	6	0.284	1129340.397	760962.3915	2	7	953253.7616	85485.16383	2	6	1136129.722	228822.0399	2	8	992837.2372	379503.0095	2	9	1058293.132	293363.7359	2	7	1	1
Methionyl-tRNA formyltransferase (EC 2.1.2.9) (nmpd|SPy1628|; 515408)	6	0.276527331	3064884.72	129501.1561	2	8	867864.8948	79689.12646	2	4	2443301.109	110513.9993	2	8	1089476.802	608390.5834	2	4	3079118.288	204214.5775	2	8	1	1
hypothetical protein (nmpd|SPy1571|; 514956)	6	0.519083969	5137574.486	1511262.866	4	7	3900019.831	738251.1411	4	10	4947840.978	1899794.033	4	8	2920787.784	249212.8561	4	6	5979927.676	2034066.819	4	10	1	1
Carbamate kinase (EC 2.7.2.2) (nmpd|SPy1541|arcC; 515517)	6	0.313291139	1674948.379	1679183.082	4	5	1769484.992	0	1	1	0	0	0	0	1338183.343	334789.3869	2	2	1586438.99	825644.1526	4	7	1	1
UDP-N-acetylmuramoylalanine--D-glutamate ligase (EC 6.3.2.9) (nmpd|SPy1525|murD; 514947)	6	0.243362832	2221096.228	627887.9136	4	8	1758151.038	907721.7338	3	5	2329609.026	1246052.909	4	7	1720885.32	1246630.427	4	5	2191612.394	109490.2255	3	7	1	1
hypothetical protein (nmpd|SPy1518|; 515489)	6	0.178899083	2842992.462	3374977.235	3	5	553983.1531	600615.234	3	3	1556762.813	1981539.961	4	6	425053.928	276944.7511	3	4	339492.9163	45786.8825	2	2	1	1
putative phosphomannomutase (nmpd|SPy1503|; 325974)	6	0.166666667	1458358.601	163138.167	2	8	97327.18133	342.0082153	2	2	192347.3893	76086.97871	2	3	371306.4019	130376.4766	2	5	451637.0414	98263.49648	2	5	1	1
Phosphocarrier protein of PTS system (nmpd|SPy1373|ptsH; 325814)	6	0.609195402	35927079.7	333768.932	2	7	52601691.54	41598161.62	3	5	106171237.7	11945673.47	2	4	21746527.15	6291430.768	3	4	26174875.18	12320127.42	3	5	1	1
Transcriptional regulator 2C GntR family (nmpd|SPy1259|; 515969)	6	0.38028169	591277.1707	403651.2159	3	4	0	0	0	0	455114.0007	0	1	1	641013.3951	0	1	1	547749.3196	0	1	2	1	1
Phosphate transport ATP-binding protein pstB (TC 3.A.1.7.1) (nmpd|SPy1242|pstB2; 325661)	6	0.232209738	258178.429	49382.89866	3	5	0	0	0	0	144526.5969	14910.04512	2	2	2863060.229	0	1	1	229046.8886	150274.2329	4	4	1	1
Formate--tetrahydrofolate ligase (EC 6.3.4.3) (nmpd|SPy1213|fhs.1; 325635)	6	0.15647482	2609462.444	2567107.003	4	6	1066855.783	886012.1241	4	5	2533647.94	2215765.607	4	8	1039234.33	1263174.678	3	4	538453.3825	76290.50088	3	4	1	1
hypothetical protein (nmpd|SPy1157|; 515829)	6	0.327868852	2353420.111	862844.8044	4	10	558919.5055	326745.4357	3	4	1466591.711	429488.265	3	8	1033917.591	262539.8638	3	7	1754603.216	365763.5331	4	10	1	1
Redox-sensitive transcriptional regulator (AT-rich DNA-binding protein) (nmpd|SPy1120|; 325559)	6	0.322429907	812027.9572	356401.2419	2	4	1851929.787	1622747.093	4	4	1982573.3	1730299.028	4	4	1513873.361	1767261.302	3	5	3108995.338	2789494.455	4	7	1	1
Dihydropteroate synthase (EC 2.5.1.15) (nmpd|SPy1098|folP; 515924)	6	0.304511278	2266122.498	992346.8636	4	9	733152.9847	0	1	2	1577585.622	730750.1127	4	10	884781.1703	914951.7013	2	4	1289753.641	586154.0484	4	7	1	1
hypothetical protein (nmpd|SPy1037|; 515743)	6	0.279874214	581751.979	170951.075	2	3	0	0	0	0	768839.4608	130089.2058	4	9	387490.9615	205853.8232	3	5	342446.9866	247146.3606	2	3	1	1
Purine nucleoside phosphorylase (EC 2.4.2.1) (nmpd|SPy0894|deoD2; 515261)	6	0.400843882	2652327.518	954682.2505	2	5	1365550.422	629812.3587	2	3	3034343.705	392646.3188	2	8	2799852.443	696376.0266	2	8	964163.7246	226628.1481	2	4	1	1
Purine nucleoside phosphorylase (EC 2.4.2.1) (nmpd|SPy0892|punA; 515502)	6	0.327137546	2566158.051	285594.6401	2	6	681850.7472	114622.2781	2	3	951992.7644	59599.41702	2	6	1185398.831	626275.181	2	5	1477626.584	416354.6549	2	5	1	1
GTP-binding protein EngB (nmpd|SPy0886|; 520042)	6	0.40201005	834878.6127	145699.652	3	9	445760.2097	360021.2812	2	4	1465634.295	211113.3939	4	9	708597.4225	236234.6236	2	5	1045383.605	312788.8202	4	10	1	1
COG0488 3A ATPase components of ABC transporters with duplicated ATPase domains (nmpd|SPy0867|; 515505)	6	0.1472	1008252.493	146968.5532	2	6	481336.4268	109433.2088	2	5	797900.5121	25235.79262	2	6	732571.9266	33286.69514	2	8	708112.7026	133060.9558	2	4	1	1
LSU ribosomal protein L21p (nmpd|SPy0819|rplU; 325370)	6	0.471153846	84892370.87	48540142.69	5	8	50173418.45	10852052.53	4	7	39529989.55	28985282.39	5	7	33809917.85	22743798.98	5	8	78094289.3	2586520.083	4	9	1	1
LSU ribosomal protein L20p (nmpd|SPy0806|rplT; 325357)	6	0.470588235	120214138.5	94151770.43	4	13	87484577.27	75221732.23	4	9	80571342.51	60434023.8	4	12	45950797.18	42212374.89	3	11	103445636.9	112297818.9	3	11	1	1
Alpha-L-Rha alpha-1 2C2-L-rhamnosyltransferase 2Falpha-L-Rha alpha-1 2C3-L- rhamnosyltransferase (EC (nmpd|SPy0792|rgpFc; 515254)	6	0.125645439	672963.8082	54659.09348	2	4	0	0	0	0	637986.1259	36849.28363	2	5	157349.287	46841.72905	2	2	374507.9016	401967.6431	2	3	1	1
Aspartate aminotransferase (EC 2.6.1.1) (nmpd|SPy0650|aspC; 515354)	6	0.211586902	707706.3461	96485.76255	2	6	340292.5959	0	1	2	399178.6666	147272.3724	2	3	323006.8484	95813.56578	2	3	524581.2938	14808.09692	2	4	1	1
Peptide chain release factor 2 (nmpd|SPy0643|prfB; 515622)	6	0.210682493	1012751.279	458735.5555	3	6	564692.8869	508412.8852	3	3	1417091.12	1046950.715	4	5	577055.051	471988.0092	4	5	1675490.483	916442.2082	5	10	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0617|; 325252)	6	0.249070632	1586901.2	255479.96	2	6	997961.2213	79490.00871	2	3	1056866.547	116036.3942	2	4	847776.2439	8465.611358	2	3	792435.8408	77431.49541	2	4	1	1
Glycosyl transferase 2C group 1 family protein (nmpd|SPy0515|; 325171)	6	0.171686747	1763660.605	2819034.46	3	3	2600313.691	3420336.982	2	3	737028.9203	363631.5661	4	6	44001.50498	0	1	1	273583.3154	281709.897	2	2	1	1
Uridylate kinase (EC 2.7.4.-) (nmpd|SPy0462|pyrH; 325123)	6	0.338842975	2315676.5	409381.8353	2	6	600010.9639	763063.1888	2	3	2094834.692	188391.299	2	8	1158501.418	78147.81678	2	5	2269685.309	232228.1428	2	8	1	1
Ribosomal large subunit pseudouridine synthase B (EC 4.2.1.70) (nmpd|SPy0369|; 515173)	6	0.245833333	744615.8312	68122.1939	2	3	999855.5919	1012086.404	4	4	699769.4155	199041.813	3	4	977595.0448	738422.7495	3	4	711390.5292	331675.4316	3	4	1	1
Cytoplasmic membrane protein LemA (nmpd|SPy0330|lemA; 325026)	6	0.508108108	1955322.032	442372.9751	2	7	1427306.064	269256.7382	2	9	2138685.107	561680.367	2	9	1042334.885	123331.8937	2	6	856984.3139	48894.5915	2	4	1	1
Oligopeptide transport ATP-binding protein oppF (TC 3.A.1.5.1) (nmpd|SPy0297|oppF; 325004)	6	0.228013029	401436.5245	0	1	2	315534.0759	12203.86164	2	4	464626.7423	208357.3776	4	5	284403.5174	310132.0361	2	4	490716.7137	108019.7084	2	2	1	1
Oligopeptide transport ATP-binding protein oppD (TC 3.A.1.5.1) (nmpd|SPy0296|oppD; 325003)	6	0.210674157	1439447.401	546003.6706	4	10	331364.6028	177819.5326	4	5	1073110.281	731225.0767	4	8	756084.9351	414215.32	4	7	1092978.402	692756.1554	4	7	1	1
Iron-sulfur cluster assembly protein SufB (nmpd|SPy0290|; 515900)	6	0.163135593	543702.8545	254684.2018	3	5	235799.3953	224244.5833	3	3	349135.7238	196821.9159	2	4	155254.1059	0	1	1	421689.8122	0	1	2	1	1
UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) (nmpd|SPy0224|hasC.2; 520036)	6	0.324414716	2086875.785	359312.4668	2	5	2650339.752	308978.9546	2	3	3455916.433	138992.0896	2	9	2401419.852	227366.1116	2	5	1456084.064	1755535.899	2	3	1	1
tRNA-guanine transglycosylase (EC 2.4.2.29) (nmpd|SPy0203|; 514852)	6	0.260526316	3479500.567	1578518.15	4	13	2460014.149	400537.6902	4	9	3238220.066	841661.7907	4	10	2692792.952	599478.1891	4	11	3410983.473	937565.261	3	9	1	1
L-proline Glycine Betaine ABC transport system permease protein proW (TC 3.A.1.12.1) (nmpd|SPy0184|opuABC; 515031)	6	0.144347826	5459613.648	1654554.779	4	16	542000.4868	383841.9878	3	5	3709173.185	839976.1524	4	11	2260547.833	1087486.485	4	11	5152386.731	2498891.129	4	16	1	1
Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) (nmpd|SPy0097|pbp1b; 515642)	6	0.093506494	1417168.211	772524.9588	4	13	623546.4989	614293.8433	4	6	1459503.661	855190.4884	4	12	688034.8285	465209.2683	4	9	723964.7836	122108.1554	4	10	1	1
SSU ribosomal protein S17p (S11e) (nmpd|SPy0060|rpsQ; 515158)	6	0.337209302	17604957.72	12097030.23	4	11	20385168.3	13963192.24	4	11	19073733.55	9322802.261	4	13	18736292.79	9070281.399	4	12	33477762.54	22964997.24	4	9	1	1
Alcohol dehydrogenase (EC 1.1.1.1) (nmpd|SPy0044|adhA; 515637)	6	0.289940828	586560.9516	293201.9634	3	6	0	0	0	0	0	0	0	0	0	0	0	0	1279299.824	302786.3185	4	11	1	1
possible abortive infection phage resistance protein (nmpd|SPy0035|abiR; 515786)	6	0.188299817	136844.6755	0	1	1	0	0	0	0	257166.5363	97095.86163	3	3	193192.7234	0	1	2	109618.9534	2028.561348	2	2	1	1
Fatty acid 2Fphospholipid synthesis protein plsX (nmpd|SPy0022|plsX; 514936)	6	0.208955224	2824058.881	1870820.77	4	13	1504363.308	915096.4123	4	10	2961041.318	2174781.515	5	13	2520572.205	1776593.707	5	15	1966875.1	1098431.945	5	12	1	1
Secreted antigen GbpB,SagA,PcsB, putative peptidoglycan hydrolase (nmpd|SPy0019|sibA; 514904)	6	0.243718593	2110959.361	1534426.862	4	11	261509.1123	271014.5035	2	2	781613.9575	457704.1777	4	9	1202544.123	972911.6049	4	9	5125545.244	2226135.935	4	12	1	1
UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) (nmpd|SPy2202|hasC; 386413)	5	0.292763158	0	0	0	0	2017645.889	621184.1932	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1
UPF0297 protein SpyM3_1798 2FSPs1796 (nmpd|SPy2114|; 326510)	5	0.640449438	6492074.461	4385980.669	3	9	4754178.904	1817264.313	3	6	4767505.671	1097027.414	3	10	3090755	992475.8949	2	8	6259117.366	2917586.131	3	8	1	1
Heat shock protein 60 family co-chaperone GroES (nmpd|SPy2072|groES; 348631)	5	0.864583333	2625654.654	207244.7105	2	6	4965614.491	1428145.427	2	8	2496113.122	13167.20989	2	6	3464123.407	2400847.666	2	7	1641976.515	353562.6497	2	3	1	1
Ribosomal protein L11 methyltransferase (EC 2.1.1.-) (nmpd|SPy1988|; 515451)	5	0.287066246	3093461.758	2177678.438	4	8	2584857.622	2104207.087	4	5	3330229.77	2064722.683	3	5	2446876.142	1990913.144	4	7	2840405.822	2040949.312	4	8	1	1
GTP pyrophosphokinase (EC 2.7.6.5) 2F Guanosine-3' 2C5'-bis(diphosphate) 3'-pyrophosphohydrolase (E (nmpd|SPy1981|relA; 515118)	5	0.091520861	379766.7639	79794.31318	2	4	70856.55792	0	1	1	206953.1412	33916.13396	2	2	192588.2513	0	1	1	243473.37	150023.463	2	3	1	1
DNA polymerase III alpha subunit (EC 2.7.7.7) (nmpd|SPy1961|polC; 515106)	5	0.03890785	136916.4732	50019.36529	2	2	105741.6055	0	1	1	164140.9226	81744.44593	2	2	151881.3247	0	1	1	148215.7967	179373.1971	2	2	1	1
SSU ribosomal protein S15p (S13e) (nmpd|SPy1955|rpsO; 520027)	5	0.325842697	13275676.77	9620198.435	2	9	14888241.71	2951502.366	2	9	18241497.74	1030658.123	2	10	8924095.046	6282320.526	2	9	15633473.08	1140598.656	2	7	1	1
hypothetical protein (nmpd|SPy1945|; 520051)	5	0.232	698766.6932	173051.5938	3	7	284004.1677	164296.268	2	3	767931.0985	106436.0201	3	8	637691.6472	199307.9945	3	7	578714.6872	193466.8797	3	4	1	1
rRNA methylases (nmpd|SPy1938|; 515528)	5	0.181451613	356374.4715	0	1	2	108657.0856	50242.11661	2	2	294150.8445	0	1	1	574651.546	735206.2417	2	2	428237.4599	187583.4511	3	4	1	1
Type I restriction-modification system restriction subunit (EC 3.1.21.3) (nmpd|SPy1904|hsdR; 515479)	5	0.077620968	231573.1949	0	1	1	120059.4028	0	1	1	333850.5477	47620.87718	2	3	126634.0893	1177.457077	2	2	339136.8127	0	1	2	1	1
Probable DNA-directed RNA polymerase delta subunit (RNAP delta factor) - Streptococcus pyogenes sero (sp|P66719|RPOE_STRP1; 515802)	5	0.230366492	1279725.911	183942.309	2	6	2112917.305	1024925.116	2	5	2822435.398	489124.5732	2	3	2794835.794	246046.8478	2	4	2732500.483	428867.2588	2	4	1	1
LSU ribosomal protein L28p (nmpd|SPy1888|rpmB; 326331)	5	0.532258065	3064183.724	513802.7499	2	6	1941959.893	637265.008	2	6	2267240.931	290167.5143	2	4	1945742.337	219652.9751	2	4	2366670.368	131680.6987	2	4	1	1
Trans-2 2Ccis-3-Decenoyl-ACP isomerase (nmpd|SPy1758|phaB; 515447)	5	0.190114068	841551.9135	80207.38313	2	4	182536.1284	0	1	1	537697.5869	17483.57839	2	4	281338.4652	39702.78705	2	2	238194.9836	121893.7589	2	2	1	1
PTS system 2C mannose-specific IID component (EC 2.7.1.69) (nmpd|SPy1740|manN; 514949)	5	0.217821782	10134070.66	6121656.7	6	14	7682505.243	4574744.586	5	12	19498933.49	30494830.21	6	17	4331231.026	2399740.088	5	11	2865829.656	2809407.319	5	8	1	1
hypothetical protein (nmpd|SPy1731|; 326186)	5	0.644067797	261953.8355	68885.31261	3	4	316754.7888	206630.9874	2	5	1010260.802	148680.0607	4	8	133972.6202	66323.50249	2	3	606446.7276	70928.57587	4	8	1	1
Methyltransferase (EC 2.1.1.-) 3B N6-adenine-specific DNA methylase (nmpd|SPy1644|; 515175)	5	0.190104167	1883254.462	1093437.685	4	10	438454.1894	473238.5771	2	2	2985420.537	2296223.228	4	12	1032365.606	794094.012	4	9	1298623.508	985888.2746	3	8	1	1
Ribosylhomocysteinase (EC 3.2.1.148) 2F Autoinducer-2 production protein LuxS (nmpd|SPy1642|luxS; 515315)	5	0.34375	373111.5431	13885.59795	2	2	373623.8276	143889.7065	2	3	625813.4817	8249.192771	2	4	555817.8226	69399.36009	2	4	412550.3848	79716.57914	2	3	1	1
Guanylate kinase (EC 2.7.4.8) (nmpd|SPy1632|; 515467)	5	0.260663507	642727.0427	35566.87477	2	5	235355.769	100836.2636	2	4	926204.4467	23191.94847	2	8	618948.6294	19584.05391	2	5	517283.431	242839.2244	2	5	1	1
DegV family protein (nmpd|SPy1493|; 515826)	5	0.308243728	1126638.412	259153.3715	2	4	472724.0783	32384.32103	2	3	1193210.437	88010.93884	2	5	354454.2051	329733.8359	2	2	748907.7216	223671.4261	2	2	1	1
Peptidoglycan N-acetylglucosamine deacetylase (EC 3.5.1.-) (nmpd|SPy1370|; 515450)	5	0.188679245	257290.7671	170624.8726	2	3	747047.2067	49174.76382	2	6	286201.626	244231.3989	2	3	243402.1942	44383.1897	2	3	265376.8203	3999.730928	2	2	1	1
ABC-type multidrug transport system 2C ATPase component (nmpd|SPy1286|; 325698)	5	0.340517241	1893972.091	449305.3305	4	7	1794510.017	1150728.165	4	6	1705210.952	450000.3847	4	8	2242725.649	1144789.644	4	7	2814307.196	1482082.782	4	7	1	1
Lipoate-protein ligase A (nmpd|SPy1214|lplA; 515787)	5	0.185840708	3111839.339	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	243290.0961	0	1	1	1	1
hypothetical protein (nmpd|SPy1193|; 515747)	5	0.35	191552.7253	36905.11889	2	3	266231.2969	0	1	1	1079789.781	611819.5439	2	5	449755.3713	13370.81483	2	4	191195.6332	21730.24137	2	3	1	1
GTP pyrophosphokinase (EC 2.7.6.5) (nmpd|SPy1125|; 325564)	5	0.251121076	975046.6019	136146.3757	2	3	98621.51238	0	1	1	548139.3651	521249.1471	2	3	273014.2731	276752.8438	2	3	730349.3179	0	1	2	1	1
hypothetical protein (nmpd|SPy1121|; 325560)	5	0.434782609	116498.7055	40134.83595	2	3	0	0	0	0	56147.4983	0	1	1	106230.5323	53867.17549	2	2	121180.5908	51876.41556	2	2	1	1
Polysaccharide deacetylase (nmpd|SPy1094|; 515784)	5	0.303125	532243.6034	48405.5678	2	4	551755.3364	0	1	3	104377.4185	68190.95822	2	2	513412.3213	40995.18164	2	6	378066.5001	288252.3127	2	4	1	1
PTS system 2C mannose 2Ffructose family IIB component (nmpd|SPy1058|; 514995)	5	0.398773006	8836756.112	16749.05096	2	9	204770.4234	0	1	1	1525530.848	206071.7986	2	4	2731614.537	180291.8941	2	6	7712638.21	293936.1555	2	7	1	1
hypothetical protein (nmpd|SPy0942|; 520067)	5	0.247311828	308078.7081	54129.43072	2	3	171991.9612	103926.9228	2	2	442206.8249	124956.5165	2	5	0	0	0	0	328073.4002	68249.71245	2	3	1	1
Adenine phosphoribosyltransferase (EC 2.4.2.7) (nmpd|SPy0927|; 325473)	5	0.453488372	3152647.366	536897.203	2	4	1539241.908	0	1	3	2286636.628	1059825.574	2	6	1902244.869	1423169.106	2	4	1170132.194	168187.1466	2	3	1	1
hypothetical protein (nmpd|SPy0912|; 515430)	5	0.526315789	1705982.092	2169616.024	3	5	4544543.928	4257760.283	5	8	5600814.117	5457994.42	5	8	3075526.064	5018851.115	3	3	2526166.901	2452884.683	4	7	1	1
Hydroxymethylglutaryl-CoA synthase (EC 2.3.3.10) (nmpd|SPy0881|mvaS.2; 515029)	5	0.150895141	1258858.783	948.3847515	2	2	118750.4386	0	1	1	1131074.498	0	1	2	195025.6134	31712.31204	2	2	496814.9938	0	1	1	1	1
Aspartate carbamoyltransferase (EC 2.1.3.2) (nmpd|SPy0832|pyrB; 515508)	5	0.205787781	1181382.063	493777.9779	3	8	961765.2195	578934.5302	4	7	1726144.025	1054886.473	4	8	1190427.743	705868.5901	4	8	413439.8786	189397.1753	3	5	1	1

Thiamine biosynthesis protein thiI (nmpd|SPy0817|thiI; 515007)	5	0.165841584	1396103.978	838586.3359	4	8	607309.1777	117412.081	2	4	497508.8624	23788.5731	2	6	525727.9636	355534.5068	3	3	855847.0658	638745.865	3	6	1	1
LSU ribosomal protein L35p (nmpd|SPy0805|rpmI; 325356)	5	0.184615385	5551578.752	5150987.901	4	8	3440784.371	530398.7623	4	10	6105871.957	7292954.853	4	9	4453952.359	5165893.823	4	7	8087835.044	7854478.032	4	10	1	1
Cytidylate kinase (EC 2.7.4.14) (nmpd|SPy0803|; 515509)	5	0.296460177	1814030.093	1787160.725	5	9	1639262.706	787009.9906	2	2	1778810.257	1216547.273	4	9	1412883.949	1838012.133	3	6	1407941.753	924556.9076	4	7	1	1
Tripeptide aminopeptidase (EC EC 3.4.11.4) (nmpd|SPy0799|pepT; 515478)	5	0.174447174	707988.5273	111523.1763	2	3	643843.0301	173254.5589	2	3	1405903.338	127048.0649	2	7	585716.8802	38260.92528	2	4	570118.0102	0	1	2	1	1
ATP synthase epsilon chain (EC 3.6.3.14) (nmpd|SPy0761|atpC; 350750)	5	0.528985507	367324.5113	28857.03895	2	4	387949.271	525.1441838	2	4	372559.9576	321112.5049	2	3	488580.1379	51914.05916	2	4	1094377.199	345318.1638	2	6	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0568|; 515664)	5	0.277372263	761621.3057	0	1	2	190927.2456	0	1	1	425644.9407	228995.1466	2	3	288332.0781	2182.705921	2	2	347864.9041	169006.4827	2	3	1	1
Exodeoxyribonuclease III (EC 3.1.11.2) (nmpd|SPy0412|exoA; 515437)	5	0.214545455	294559.055	0	1	1	239015.2267	0	1	1	358079.2921	68592.65488	2	2	296945.9815	74351.19773	2	2	335463.2845	0	1	1	1	1
ATP-dependent Clp protease proteolytic subunit (EC 3.4.21.92) (nmpd|SPy0395|clpP; 325073)	5	0.331632653	4474181.43	239671.5557	2	7	3135918.175	714082.7232	2	4	2278269.111	1088490.9	2	5	1119071.542	359678.0175	2	2	4932384.907	235171.101	2	4	1	1
IbrA (nmpd|SPy0189|; 515817)	5	0.164414414	579021.5651	193197.4259	2	2	514499.6858	0	1	2	346213.0363	0	1	1	528731.7677	44176.84854	2	3	310042.763	0	1	1	1	1
Nicotine adenine dinucleotide glycohydrolase (NADGH) (EC 3.2.2.5), NADase, SPN (nmpd|SPy0165|nga; 515179)	5	0.18344519	0	0	0	0	189146.2581	0	1	2	126639.474	0	1	1	0	0	0	0	91148.61293	10096.236	2	2	1	1
tRNA dihydrouridine synthase B (nmpd|SPy0122|; 514853)	5	0.212307692	603165.1652	62979.07052	2	5	342858.1105	24210.5021	2	4	637853.8679	44637.03737	2	6	210895.653	16852.25358	2	2	607756.9233	155031.2415	2	4	1	1
LSU ribosomal protein L29p (L35e) (nmpd|SPy0059|rpmC; 350765)	5	0.426470588	75922275.96	79725839.64	4	13	56308851.41	61047111.22	4	12	35632190.61	55410086.62	4	12	50613904.59	53582921.07	4	13	44586546.28	74692421.22	4	13	1	1
ABC-type cobalt transport system 2C ATPase component CbiO and related transporters (nmpd|SPy2194|; 326576)	4	0.185714286	922189.6226	786614.9846	3	5	671430.009	462158.8978	3	3	1518124.197	2026402.506	3	4	677024.6586	793760.5261	3	4	1779139.466	2107470.162	3	5	1	1
Putative pyruvate formate lyase 3 (nmpd|SPy2049|pflD; 417487)	4	0.077018634	190377.18	19960.32916	2	2	185778.3217	4734.222759	2	2	178550.0772	0	1	1	0	0	0	0	127851.8912	0	1	1	1	1
Dipeptide transport ATP-binding protein dppF (TC 3.A.1.5.2) (nmpd|SPy2004|dppE; 515188)	4	0.192307692	133710.8731	11503.63471	2	2	168954.898	23720.77511	2	2	363076.996	0	1	2	110319.7843	0	1	1	307888.1991	142386.9306	2	3	1	1
Type I restriction-modification system methylation subunit (nmpd|SPy1906|hsdM; 515047)	4	0.095057034	361629.7975	24928.2465	2	4	165329.3986	110544.887	2	2	544665.8765	0	1	2	304033.3973	28736.93334	2	4	246947.9354	61335.13195	2	2	1	1
Signal peptidase I (EC 3.4.21.89) (nmpd|SPy1842|; 520039)	4	0.289340102	1007221.711	126786.5314	3	5	338651.4144	111392.6989	2	2	768353.3129	261522.6902	3	6	319239.6051	128094.0228	2	2	519040.0449	0	1	1	1	1
Single-stranded DNA-binding protein (nmpd|SPy1830|; 326282)	4	0.294478528	405589.1705	79000.51147	2	4	523308.9483	628442.601	2	3	600027.4676	63412.72034	2	6	289809.5221	48876.09995	2	3	371313.8435	2278.996019	2	4	1	1
Excinuclease ABC subunit A (nmpd|SPy1825|uvrA; 515558)	4	0.08492569	318204.9771	64078.29395	2	2	246690.8161	0	1	1	395886.2416	0	1	1	0	0	0	0	231722.9871	61016.01751	2	2	1	1
Mannose-6-phosphate isomerase (EC 5.3.1.8) (nmpd|SPy1810|; 515425)	4	0.192429022	0	0	0	0	152224.5646	65290.05642	2	2	382617.2362	138773.0202	2	4	111176.488	0	1	1	105121.0874	3785.184288	2	2	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1781|; 326227)	4	0.142857143	577196.9702	275124.8646	2	5	113045.0758	49762.80371	2	2	326360.7879	93864.57793	2	3	276180.9073	93166.64214	2	3	391343.3447	255463.5537	2	3	1	1
Transcriptional regulator of fatty acid biosynthesis (nmpd|SPy1755|fabT; 515361)	4	0.305555556	146979.67	0	1	1	122656.0216	0	1	1	733472.2865	633459.7151	2	2	0	0	0	0	0	0	0	0	1	1
3-oxoacyl- 5Bacyl-carrier-protein 5D synthase 2C KASIII (EC 2.3.1.41) (nmpd|SPy1754|fabH; 515345)	4	0.141975309	995376.9507	0	1	2	0	0	0	0	643419.3989	12833.78634	2	2	414728.6467	74985.50243	2	2	720222.3299	92184.37264	2	3	1	1
Putative cell-cycle regulation histidine triad (HIT) protein (nmpd|SPy1730|; 326185)	4	0.482014388	361745.1982	0	1	1	0	0	0	0	1838913.633	197802.6576	2	4	847243.9681	180654.496	2	3	165876.134	0	1	1	1	1
aminoglycoside phosphotransferase family protein (nmpd|SPy1727|; 326182)	4	0.148288973	2722559.026	2369125.138	4	10	2054298.9	1441650.709	3	5	2622464.309	1780856.999	3	5	1655879.728	1390938.914	4	7	1759655.701	1540085.34	4	10	1	1
SSE esterase (nmpd|SPy1718|sse; 515330)	4	0.277439024	0	0	0	0	768333.7735	582701.1251	2	7	82128.77552	0	1	1	0	0	0	0	0	0	0	0	1	1
ABC transporter ATP-binding protein - aspartate 2Fglutamate transport (nmpd|SPy1657|; 515008)	4	0.259109312	7763935.912	4953170.656	4	8	3019898.185	1557892.39	4	6	4590783.73	5120488.141	4	6	2552962.093	2318319.028	3	4	20856050.13	17679298.75	4	12	1	1
DNA-directed RNA polymerase omega subunit (EC 2.7.7.6) (nmpd|SPy1630|; 343041)	4	0.461538462	2148036.115	93746.23596	2	4	1545599.962	289438.1938	2	5	1782430.026	120675.1841	2	6	1002784.38	467795.7663	2	3	1749458.991	367755.5226	2	5	1	1
hypothetical protein (nmpd|SPy1551|; 520038)	4	0.243697479	437244.1687	176090.2836	3	4	197110.4493	0	1	1	759923.7773	790390.3884	3	5	263286.8181	125261.6838	2	3	275576.8207	220031.2709	2	3	1	1
Xaa-His dipeptidase (EC 3.4.13.3) (nmpd|SPy1542|; 515178)	4	0.11738149	769512.1673	1105423.684	4	4	0	0	0	0	0	0	0	0	0	0	0	0	97341.18001	0	1	1	1	1
Transcriptional regulator (nmpd|SPy1534|; 515752)	4	0.23364486	364689.2759	49111.77008	2	3	0	0	0	0	242454.4435	244929.57	2	3	121559.5136	143599.4576	2	2	78675.71271	0	1	1	1	1
Radical SAM family enzyme (nmpd|SPy1533|; 515204)	4	0.133704735	161079.0432	6727.214801	2	2	0	0	0	0	751503.7038	859273.9973	2	2	73182.39414	28624.99855	2	2	139742.5412	11240.46606	2	2	1	1
S-adenosylmethionine 3AtRNA ribosyltransferase-isomerase (EC 5.-.-.-) (nmpd|SPy1400|queA; 514937)	4	0.187134503	826742.6211	3684.002164	2	4	424788.7301	151150.0453	2	2	711425.1785	57782.93228	3	4	552647.5799	49700.79226	2	2	547309.7941	258627.8174	4	6	1	1
UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (nmpd|SPy1358|murZ; 515016)	4	0.14797136	287151.0476	0	1	1	119161.3766	0	1	1	0	0	0	0	0	0	0	0	287533.5785	62619.39932	2	4	1	1
Putative PBP 5 synthesis repressor (nmpd|SPy1350|; 515127)	4	0.136645963	725580.8056	570937.7879	2	4	335675.8716	77522.51827	2	3	725601.7434	93712.33737	2	4	124425.8598	0	1	1	210229.3235	0	1	1	1	1
Esterase (EC 3.1.1.-) (nmpd|SPy1308|; 515347)	4	0.165137615	1113934.904	86886.52495	2	2	513553.2537	289355.0593	2	3	1259947.468	63085.70017	2	4	681760.7885	179674.8682	2	3	919470.6766	156261.5327	2	3	1	1
Hypothetical protein SPy1261 (nmpd|SPy1261|; 325680)	4	0.348484848	868947.5415	0	1	1	509354.7417	274920.4701	2	3	191811.9058	15744.87467	2	2	328956.9991	0	1	2	532128.822	523858.5477	2	2	1	1
Phosphate transport ATP-binding protein pstB (TC 3.A.1.7.1) (nmpd|SPy1241|pstB; 514914)	4	0.23715415	2834893.9	228859.0547	2	8	85265.02146	0	1	1	713236.7406	341501.9842	2	5	774192.9522	321349.234	2	6	1159810.807	583698.0564	2	6	1	1
putative ABC transporter (ATP-binding protein) [Streptococcus pyogenes M1 GAS] (ref|NP_269345.1|; 515599)	4	0.120921305	109418.7828	0	1	1	265581.986	83634.01311	2	3	210639.0593	51785.31899	2	3	161095.9476	38671.85013	2	2	329462.8148	0	1	2	1	1
Thymidine kinase (EC 2.7.1.21) (nmpd|SPy1140|tdk2; 515055)	4	0.396825397	825464.8922	395318.2742	2	6	394107.1884	174371.1167	2	3	719933.638	69677.6075	2	4	194472.4065	46611.73072	2	2	861210.9368	96737.83036	2	5	1	1
GTPase and tRNA-U34 5-formylation enzyme TrmE (nmpd|SPy1071|thdF; 515955)	4	0.111353712	447324.1531	407178.2453	3	3	108086.169	132.3159602	2	2	120178.4243	1870.445835	2	2	93927.0892	13026.8582	2	2	594443.805	252873.1699	4	7	1	1
ABC transporter ATP-binding protein (nmpd|SPy1025|; 515612)	4	0.081889764	1589344.377	2366034.47	3	4	137863.024	0	1	1	306622.6854	22505.66902	2	4	138582.4014	12519.13229	2	2	138056.435	0	1	1	1	1
Mutator mutT protein (7 2C8-dihydro-8-oxoguanine-triphosphatase) (EC 3.6.1.-) (nmpd|SPy1010|mutX; 515684)	4	0.253164557	604072.5525	312609.1877	2	3	364544.8624	234681.545	2	3	658159.3292	347426.8156	2	4	277191.2496	33061.72094	2	2	498668.7488	40855.21001	2	4	1	1
putative protein Ymh (nmpd|SPy0948|; 515286)	4	0.246268657	109022.8393	0	1	1	114378.6177	0	1	1	111337.3267	48718.77754	2	2	131979.467	55957.4509	2	2	0	0	0	0	1	1
Thymidylate synthase (EC 2.1.1.45) (nmpd|SPy0882|thyA; 515406)	4	0.150537634	252622.9187	203343.4673	2	3	181246.089	133662.4285	2	3	610577.5471	11825.40474	2	4	115076.6734	13934.80093	2	2	689873.6265	69770.04945	2	5	1	1
DegV family protein (nmpd|SPy0865|; 515100)	4	0.195035461	525675.8956	2014.455376	2	2	361969.2562	97205.42114	2	2	667797.8208	19746.08932	2	2	257062.53	9730.217871	2	2	589464.4131	41173.80669	2	2	1	1
Transcriptional repressor of the fructose operon (nmpd|SPy0853|; 520033)	4	0.23628692	179340.7995	0	1	1	203681.6491	0	1	1	162466.4596	95725.05513	2	2	237710.7749	0	1	1	201494.1142	0	1	1	1	1
ABC transporter ATP-binding protein (nmpd|SPy0837|; 515928)	4	0.171052632	148295.2628	120413.3099	2	3	71008.84829	20900.13691	2	2	0	0	0	0	0	0	0	0	187618.8895	75016.9234	2	3	1	1
Cysteine desulfurase (EC 2.8.1.7) (nmpd|SPy0816|; 515763)	4	0.152815013	886879.7401	578114.8477	4	5	142711.0512	46267.45026	2	2	735804.2844	190093.3999	4	9	295055.4777	178460.3152	2	4	580466.8363	0	1	2	1	1
putative glycosyltransferase - possibly involved in cell wall localization and side chain formation (nmpd|SPy0791|rgpEc; 515918)	4	0.125373134	168120.3584	156946.5973	2	3	121975.4621	0	1	1	197785.6266	21269.58175	2	3	82711.4007	0	1	1	256592.408	0	1	2	1	1
ABC-transporter (ATP-binding protein) -possibly involved in cell wall localization and side chain fo (nmpd|SPy0790|rgpDc; 515504)	4	0.159600998	191654.4191	69773.88311	2	2	387161.9674	0	1	1	154969.568	0	1	1	0	0	0	0	189071.8008	42075.30366	2	2	1	1
Alpha-D-GlcNAc alpha-1 2C2-L-rhamnosyltransferase (EC 2.4.1.-) (nmpd|SPy0786|rgpAc; 514875)	4	0.114583333	569518.0712	685628.1108	2	3	0	0	0	0	99080.52425	34400.34334	2	2	0	0	0	0	64473.97346	3636.957068	2	2	1	1
SSU ribosomal protein S21p (nmpd|SPy0779|rpsU; 349206)	4	0.344827586	31787525.51	58261561.34	6	14	57516714.03	51451633.51	6	19	31286025.72	32600848.41	6	13	25792775.62	33145459.88	6	17	75098631.65	103007610.5	6	20	1	1
Neutral zinc metallopeptidase family (nmpd|SPy0775|; 325329)	4	0.203278689	1116138.026	875176.558	4	8	414027.0372	318438.9198	2	2	1113990.467	909927.2053	3	3	255314.5845	0	1	2	604820.7491	666506.2504	4	6	1	1
Transcription regulator 5Bcontains diacylglycerol kinase catalytic domain 5D (nmpd|SPy0752|; 514867)	4	0.152941176	1597588.504	462123.6499	2	5	1227177.016	188332.5003	2	6	1080093.477	247538.9566	2	5	833547.8217	173616.3506	2	5	1094800.651	248485.3169	2	4	1	1
Streptococcal pyrogenic exotoxin C (SpeC) (nmpd|SPy0711|speC; 386426)	4	0.238297872	506073.2649	100124.4945	2	4	106170.5243	53180.51706	2	2	314656.4741	627.5618976	2	3	473595.3503	520664.1312	2	4	170495.2199	55541.64928	2	2	1	1
putative peptidoglycan branched peptide synthesis protein 2C serine 2Falanine adding enzyme (nmpd|SPy0616|murM; 515208)	4	0.169117647	921775.6499	46301.80481	2	6	610328.0001	187579.602	2	3	454867.8031	542092.4261	2	4	359662.5428	288203.4339	2	3	544577.2261	662755.9515	2	4	1	1
MurN protein (nmpd|SPy0615|murN; 515713)	4	0.145985401	285366.2595	47812.70123	2	3	288517.8816	295952.4117	2	3	340303.0939	319266.1578	2	4	0	0	0	0	477829.8889	0	1	1	1	1
Xaa-Pro dipeptidase (EC 3.4.13.9) (nmpd|SPy0513|pepQ; 325169)	4	0.130193906	6813031.743	6442879.731	4	14	2827210.522	3353384.305	4	10	7470824.808	6676516.978	4	14	2177169.452	2032729.784	3	7	3019667.708	1512669.898	4	11	1	1
Lactoylglutathione lyase (EC 4.4.1.5) (nmpd|SPy0511|gloA; 325167)	4	0.384	544970.619	88878.75934	2	2	482295.1549	533267.2963	2	3	882936.898	42612.2042	2	4	756639.0789	129610.3974	2	4	649728.4162	744495.5023	2	3	1	1
ADP-ribose pyrophosphatase (EC 3.6.1.13) (nmpd|SPy0444|; 515147)	4	0.298913043	0	0	0	0	318855.0752	346232.2187	2	3	412925.4259	30694.6669	2	2	287458.5242	0	1	1	285261.0831	234937.2339	2	2	1	1
Membrane protein oxaA 2 precursor (nmpd|SPy0351|; 515176)	4	0.136807818	1687210.211	794925.0163	4	7	942622.9545	550487.7032	4	6	1258795.227	815548.7457	4	7	1174661.804	835657.4904	3	7	1029960.45	764575.0884	3	5	1	1
Potassium uptake protein KtrA (nmpd|SPy0326|; 325023)	4	0.214285714	909772.4501	53881.89675	2	5	292150.0579	82154.33388	2	2	368767.6414	186213.5583	3	4	428654.8257	28005.54552	2	3	792136.7266	228876.1528	3	7	1	1
Nicotinate-nucleotide adenylyltransferase (EC 2.7.7.18) (nmpd|SPy0308|; 515541)	4	0.333333333	412682.844	19271.43666	2	2	233186.7736	0	1	1	825443.8095	217532.1371	2	5	368163.6282	89629.88438	2	3	287793.249	114333.8684	2	2	1	1
Iron-sulfur cluster assembly protein SufD (nmpd|SPy0287|; 514967)	4	0.130952381	807751.6464	79803.29076	2	4	258353.8466	34252.11664	2	2	409513.127	61940.34826	2	3	436144.6066	0	1	2	416504.2721	404689.1816	2	3	1	1
DNA recombination protein RmuC (nmpd|SPy0266|; 515471)	4	0.106382979	744123.3547	932401.4731	3	4	790669.0636	758669.4046	5	5	1043257.483	825439.9023	4	6	419773.3938	617366.6902	3	3	809862.2498	714481.2786	4	5	1	1
IbrB (nmpd|SPy0190|; 515979)	4	0.318181818	1463437.27	902416.2917	2	7	944439.6784	0	1	1	917346.7196	198427.8771	2	5	901102.859	0	1	2	1333755.123	731576.5745	2	5	1	1
Thiol-activated cytolysin Streptolysin O (nmpd|SPy0167|slo; 386425)	4	0.133099825	223201.516	0	1	2	253964.7067	166791.6322	2	3	103952.1859	0	1	1	0	0	0	0	887177.1909	322896.3951	2	6	1	1
Signal recognition particle associated protein (nmpd|SPy1201|ylxM; 350768)	3	0.345132743	0	0	0	0	209745.2512	0	1	1	849064.4249	944609.4435	2	2	152157.2831	0	1	1	0	0	0	0	1	1
ABC-type cobalt transport system 2C ATPase component CbiO and related transporters (nmpd|SPy2195|; 515193)	3	0.141891892	217269.6738	0	1	1	152257.7948	0	1	1	140779.987	0	1	1	142023.6191	27436.1997	2	2	254181.0156	0	1	1	1	1
L-serine dehydratase 2C beta subunit (EC 4.3.1.17) (nmpd|SPy2189|sdhB; 515696)	3	0.210762332	1598240.669	149197.5184	2	4	2160104.893	906666.7608	2	5	623579.9201	581968.0615	2	3	1471915.317	29466.64099	2	5	1653078.046	107070.375	2	3	1	1
LSU ribosomal protein L33p (nmpd|SPy2160|rpmG; 326549)	3	0.346938776	9491361.547	6203949.395	4	6	15195879.67	18089740.09	4	7	24736624.32	25168373.54	4	8	27139486.06	29004488.51	4	9	33866389.32	40295161.34	4	8	1	1
Competence-induced protein Ccs4 (nmpd|SPy2111|; 515975)	3	0.065510597	694941.9816	55332.14004	2	6	291055.6239	29659.94423	2	3	348246.1825	3200.246547	2	2	333238.0114	3638.064837	2	2	562498.6236	215761.9676	3	5	1	1
Glycerol dehydrogenase (EC 1.1.1.6) (nmpd|SPy2047|gldA; 515636)	3	0.124309392	511543.867	365157.6396	3	3	132843.104	2968.153036	2	2	182029.3032	0	1	1	145653.7208	0	1	1	140749.3973	8205.959959	2	2	1	1
hypothetical protein (nmpd|SPy2034|; 326444)	3	0.316326531	642049.8003	202770.8631	2	6	650151.2886	280657.7743	2	6	1191041.034	27724.18754	2	5	495222.0607	220017.7032	2	3	231055.594	110606.1939	2	2	1	1
ABC transporter ATP-binding protein (nmpd|SPy2031|; 326441)	3	0.258928571	109206.4375	0	1	1	170240.6159	0	1	1	104229.6081	0	1	1	88441.3707	0	1	1	87327.45087	0	1	1	1	1
Streptokinase (nmpd|SPy1979|ska; 386424)	3	0.1	120992.7525	0	1	1	531752.2294	174817.3889	2	2	247878.6506	0	1	1	128363.9721	0	1	1	331770.1429	63221.7862	2	2	1	1
DegV family protein (nmpd|SPy1936|; 326372)	3	0.136363636	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	909963.8326	756303.7251	4	4	1	1
Hydrolases of the alpha 2Fbeta superfamily (nmpd|SPy1892|; 515052)	3	0.142857143	314358.7198	143382.4667	2	3	360411.6908	81596.47947	2	4	246132.6448	29383.24769	2	2	220157.8545	18679.05382	2	2	407984.6792	157895.5958	2	4	1	1
Magnesium and cobalt transport protein CorA (nmpd|SPy1827|; 326279)	3	0.108280255	4860240.938	3899080.544	4	8	2311803.004	2997516.416	3	5	3200691.298	2803217.823	4	8	2356621.093	3378331.957	3	4	4509564.235	3971445.432	4	7	1	1
Alkaline shock protein (nmpd|SPy1820|; 326254)	3	0.364341085	17836174.46	17690615.59	4	9	16838229.11	25475309.18	3	9	31671412.83	30989452.91	4	12	20136207.6	29803062.79	3	10	19668778.3	22902613.04	4	8	1	1
Leucine-rich repeat-containing protein 15 precursor (nmpd|SPy1798|; 515133)	3	0.04	0	0	0	0	286233.7418	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Biotin carboxyl carrier protein of acetyl-CoA carboxylase (nmpd|SPy1747|accB; 520028)	3	0.36746988	4258357.618	1777294.243	4	7	2901696.397	412929.0518	4	7	10019017.74	1238118.213	4	7	5543096.694	3436411.6	3	7	7328642.467	677642.9793	4	7	1	1
ABC transporter 2C ATP-binding protein (nmpd|SPy1729|; 326184)	3	0.174273859	5707629.676	6301968.436	3	7	3937539.987	2969528.017	4	7	4469564.968	3258261.961	4	7	2394934.359	1704620.077	4	7	4624346.665	3226332.341	4	7	1	1
Ribosome-binding factor A (nmpd|SPy1719|rbfA; 514903)	3	0.271186441	408164.4047	14270.42218	2	2	391251.416	400428.8131	2	3	558242.7844	196038.5054	2	2	557515.1271	58250.31616	2	4	959382.5461	0	1	2	1	1
hypothetical protein (nmpd|SPy1697|; 326158)	3	0.1375	321263.6351	402751.5988	3	3	351210.9672	0	1	1	0	0	0	0	60668.81913	2124.281205	2	2	457035.1354	0	1	1	1	1
hypothetical protein SPy1686 [Streptococcus pyogenes M1 GAS] (ref|NP_269720.1|; 515426)	3	0.186666667	1217476.039	878949.0446	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
NAD synthetase (EC 6.3.1.5) (nmpd|SPy1652|nadE; 515418)	3	0.156934307	2458810.764	1370532.047	4	7	997784.8653	791578.7961	4	5	2237976.568	970361.3653	4	6	1278486.379	318973.7166	3	6	2639389.364	1093682.858	4	8	1	1
3-dehydroquinate synthase (EC 4.2.3.4) (nmpd|SPy1577|aroB; 514960)	3	0.103641457	1191864.954	1185725.389	4	4	717351.9638	736763.494	2	2	2486966.404	2343339.472	4	4	1146167.163	0	1	1	584254.9759	628968.0308	2	2	1	1
hypothetical protein (nmpd|SPy1572|; 326033)	3	0.535714286	1030062.284	697859.1368	4	6	2286190.138	1706681.808	3	6	221015.403	0	1	1	1455772.734	916421.2116	3	6	598035.3373	274301.3913	2	5	1	1
CRISPR-associated protein 2C TM1801 family (nmpd|SPy1564|; 515267)	3	0.141843972	0	0	0	0	633761.5123	437404.3237	3	5	178909.0306	0	1	1	0	0	0	0	65249.64083	2603.940446	2	2	1	1
hypothetical protein (nmpd|SPy1511|; 515039)	3	0.33	309570.2425	821.6208852	2	2	5235573.367	7701347.415	3	6	6032279.371	8901459.589	3	5	2656231.316	3442242.805	3	5	3994536.482	5536091.281	3	6	1	1
Lead 2C cadmium 2C zinc and mercury transporting ATPase (EC 3.6.3.3) (EC 3.6.3.5) 3B Copper-translo (nmpd|SPy1434|; 515129)	3	0.059677419	290175.7171	51621.65231	2	2	0	0	0	0	0	0	0	0	154025.8187	10857.37415	2	2	0	0	0	0	1	1
Transcriptional repressor for NAD biosynthesis in gram-positives (nmpd|SPy1427|; 515873)	3	0.283236994	2646748.318	4298900.971	4	4	827794.5157	496807.8896	3	7	870935.0434	576707.8775	4	8	194974.0261	122600.5159	2	4	1119484.829	866679.3883	4	8	1	1
Manganese superoxide dismutase (EC 1.15.1.1) (nmpd|SPy1406|sodA; 515980)	3	0.2039801	291436.915	23558.85128	2	3	0	0	0	0	222628.5767	0	1	2	187188.505	33389.0018	2	2	156718.3215	0	1	1	1	1
Poly(glycerophosphate chain) D-alanine transfer protein DltD (nmpd|SPy1309|dltD; 515772)	3	0.086538462	135314.041	0	1	1	0	0	0	0	77885.75302	0	1	1	0	0	0	0	141816.4348	0	1	1	1	1
Maltodextrin (glycogen) phosphorylase (EC 2.4.1.1) (nmpd|SPy1291|glgP; 514879)	3	0.051724138	168025.6088	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	193139.1221	0	1	1	1	1
Signal peptidase I (EC 3.4.21.89) (nmpd|SPy1281|sipC; 520024)	3	0.145945946	110298.4259	19281.6673	2	2	0	0	0	0	959342.1604	1511214.426	3	3	0	0	0	0	1085857.511	1753694.17	3	3	1	1
hypothetical protein (nmpd|SPy1264|; 515942)	3	0.128078818	987708.7805	60705.72798	2	3	405256.8275	226231.1893	2	2	709506.4155	242891.6132	2	3	337437.8547	10864.34421	2	2	4218490.301	1126160.418	2	3	1	1
Arsenate reductase family protein (nmpd|SPy1249|; 350756)	3	0.268656716	2604332.374	2583762.393	5	7	1153142.509	1567021.405	2	2	1874374.948	1547578.892	6	8	2044025.904	2142630.26	4	6	2604719.335	3495595.59	2	2	1	1
Phosphate ABC transporter 2C periplasmic phosphate-binding protein pstS (TC 3.A.1.7.1) (nmpd|SPy1245|pstS; 515954)	3	0.121527778	2287013.389	2048662.509	4	7	0	0	0	0	485402.0117	303867.4224	3	6	815688.8791	771096.7685	4	6	1674792.996	1498983.895	4	8	1	1
SSU ribosomal protein S20p (nmpd|SPy1234|rpsT; 350754)	3	0.155844156	240713042.4	209657491.5	4	4	149903967.2	133887267.2	4	4	166971194.8	148775667.1	4	4	103178934.8	88281080.33	4	4	200643259	170709855.2	4	4	1	1
Phosphopantothenoylcysteine synthetase (EC 6.3.2.5) (nmpd|SPy1221|dpfB; 515524)	3	0.166666667	147150.4015	76416.35405	2	2	112361.9202	0	1	1	0	0	0	0	0	0	0	0	195141.1267	0	1	1	1	1
Anaerobic ribonucleoside-triphosphate reductase (EC 1.17.4.2) (nmpd|SPy1211|; 325633)	3	0.381355932	189777.7181	22120.91148	2	2	228114.1141	126813.6254	2	2	389454.7161	14153.5918	2	4	614291.505	40173.9552	2	4	297851.6879	81698.94892	2	2	1	1
NAD kinase (EC 2.7.1.23) (nmpd|SPy1126|; 515575)	3	0.133093525	424451.7481	10159.97932	2	2	160808.4012	0	1	1	356115.7098	59104.46261	2	3	216022.7894	9056.563685	2	2	0	0	0	0	1	1
GTP cyclohydrolase I (EC 3.5.4.16) type 1 (nmpd|SPy1097|folE; 515700)	3	0.225	1129098.42	922107.3411	4	4	806088.0652	1144561.942	3	4	3017848.115	3050099.305	4	6	1523701.781	1578473.5	4	5	1883747.924	1174219.405	4	6	1	1
Phosphatase NagD predicted to act in N-acetylglucosamine utilization subsystem (nmpd|SPy1043|; 515402)	3	0.153543307	312024.6317	0	1	1	0	0	0	0	317574.6863	14303.28525	2	2	249590.0889	34490.0968	2	2	0	0	0	0	1	1
ABC transporter 2C permease protein ybbP 2F Tlr1762 protein (nmpd|SPy1036|; 515888)	3	0.155477032	1091496.758	55246.76589	2	5	53746.60293	0	1	1	852756.859	93507.78628	2	4	442585.8456	335083.761	2	3	719738.5486	13171.35636	2	4	1	1
TPR-repeat-containing protein (nmpd|SPy1012|; 515317)	3	0.091566265	306775.1855	91026.87159	2	2	252624.7305	63828.50307	2	2	447847.3141	143803.0822	2	3	429639.6058	162125.5726	2	3	429867.102	269454.5023	2	3	1	1
Hypothetical protein ybgI (nmpd|SPy0931|; 514953)	3	0.141221374	0	0	0	0	0	0	0	0	369061.073	318045.4281	4	4	68102.84395	0	1	1	353231.3093	366666.8571	2	2	1	1
Ribose 5-phosphate isomerase A (EC 5.3.1.6) (nmpd|SPy0889|rpiA; 515744)	3	0.211453744	1530319.738	1411839.58	3	4	1843987.545	1855793.378	2	2	1991891.322	1781699.809	4	5	2279640.616	0	1	1	877821.0746	733401.9915	3	3	1	1
Hydroxymethylglutaryl-CoA reductase (EC 1.1.1.34) (nmpd|SPy0880|mvaS.1; 515891)	3	0.112941176	436124.2534	51101.24139	2	4	0	0	0	0	87239.92344	0	1	1	198346.5486	0	1	1	162764.0519	48389.05635	2	2	1	1
16S rRNA processing protein RimM (nmpd|SPy0847|; 515950)	3	0.215116279	1185682.034	625890.9242	3	6	293469.1124	14177.35649	2	2	1158224.308	127971.9266	4	8	1051274.292	249628.9533	4	7	1239541.47	461684.3047	3	6	1	1
hypothetical protein (nmpd|SPy0844|; 325390)	3	0.203007519	296943.895	170281.2542	2	3	217945.8384	228969.9961	2	3	146465.7273	0	1	1	589403.8442	4017.906162	2	3	66233.52795	0	1	1	1	1
ABC transporter permease protein (nmpd|SPy0838|; 515013)	3	0.083743842	295916.6913	39735.32361	2	2	0	0	0	0	135395.6444	11381.57503	2	2	174100.1487	0	1	1	254909.1153	0	1	1	1	1
LSU ribosomal protein L27p (nmpd|SPy0822|rpmA; 325372)	3	0.371134021	75955182.64	19179507.83	4	8	33969833.92	11007356	5	9	53234800.32	15037601.3	4	8	29429009.76	14026776.59	6	10	36544671.43	6536327.719	5	9	1	1
Glutathione reductase (EC 1.8.1.7) (nmpd|SPy0813|; 514988)	3	0.102222222	463944.4832	144096.8821	2	2	716604.1674	0	1	2	240684.1167	5772.856863	2	2	328397.9568	233695.7747	2	3	545814.5125	73963.16458	2	4	1	1
3-dehydroquinate dehydratase (EC 4.2.1.10) (nmpd|SPy0809|aroD; 325360)	3	0.201754386	808032.8401	164030.9954	2	2	212567.535	0	1	1	943625.7691	0	1	2	681935.0998	343593.3205	2	3	779029.8195	490333.6073	2	4	1	1
hypothetical protein (nmpd|SPy0802|; 325353)	3	0.35443038	6815702.298	2600384.81	4	6	2520405.684	676462.7779	3	4	2323581.424	72644.44658	2	4	2866081.144	980559.6752	2	3	5942293.176	2716712.259	4	6	1	1
Large-conductance mechanosensitive channel (nmpd|SPy0780|mscL; 325334)	3	0.258333333	6275268.615	1668740.243	2	2	1163782.876	149163.7156	2	2	1779553.268	161560.2374	2	2	2703155.921	94498.49986	2	2	3803876.313	858593.3836	2	2	1	1
ATP synthase gamma chain (EC 3.6.3.14) (nmpd|SPy0759|atpG; 325316)	3	0.140893471	1552999.637	1747737.034	3	5	1259896.857	1429294.49	3	6	259675.2856	268997.9417	2	2	1780002.704	1781881.075	4	6	280968.1009	147900.7774	2	4	1	1
DNA ligase (EC 6.5.1.2) (nmpd|SPy0751|; 514855)	3	0.07208589	395860.5095	0	1	1	328405.2457	8329.444892	2	2	391204.0422	0	1	1	0	0	0	0	249711.0008	0	1	1	1	1
Flavodoxin (nmpd|SPy0721|; 325287)	3	0.355704698	255787.4429	70395.97337	2	2	877160.2099	12300.83109	2	2	855266.688	42430.46774	2	3	764484.0371	566.7742692	2	2	803615.316	87688.03263	2	2	1	1
Candidate zinc-binding lipoprotein ZinT (nmpd|SPy0714|adcA; 515202)	3	0.077669903	290097.4307	128297.101	2	2	274602.9454	36530.2409	2	3	396554.0115	600.9474362	2	2	236450.3053	22173.89087	2	2	0	0	0	0	1	1
Phosphoglycerate mutase (EC 5.4.2.1) (nmpd|SPy0598|; 520069)	3	0.236714976	348468.9419	216058.7859	2	4	147037.4859	0	1	1	439250.8026	45265.7325	2	6	168963.8119	0	1	1	148633.1666	31636.36895	2	2	1	1

Oxygen-insensitive NAD(P)H nitroreductase (EC 1.-.-.-) 2F Dihydropteridine reductase (EC 1.6.99.7) (nmpd|SPy0512|; 515395)	3	0.167420814	437236.1765	104086.9219	2	3	175520.5229	0	1	1	330358.4558	240095.8948	2	3	191188.5121	58483.99811	2	3	272443.0689	0	1	1	1	1
predicted metal-dependent hydrolase (nmpd|SPy0473|; 514994)	3	0.193939394	98792.77785	16305.29446	2	2	92078.28729	0	1	1	72125.72615	0	1	1	61813.89624	0	1	1	318469.9175	291969.2829	2	2	1	1
Phosphate starvation-inducible protein PhoH 2C predicted ATPase (nmpd|SPy0471|phoH; 515767)	3	0.12	420984.389	108825.4314	2	5	218941.2469	63433.46054	2	3	306990.0357	60106.98383	2	3	358539.0214	0	1	3	402763.5526	123816.3989	2	4	1	1
Group B streptococcal surface immunogenic protein (nmpd|SPy0469|; 515419)	3	0.179948586	3041689.66	650478.0852	2	2	2091223.443	535594.492	2	3	2210805.123	0	1	1	255913.3835	0	1	1	4202362.063	818808.9853	2	3	1	1
Mn-dependent transcriptional regulator MntR (nmpd|SPy0450|; 515748)	3	0.213953488	174827.408	2882.488647	2	2	40453.93296	0	1	1	121953.4917	0	1	1	86888.76091	30135.72012	2	2	197823.0575	0	1	1	1	1
5'-methylthioadenosine nucleosidase (EC 3.2.2.16) 2F S-adenosylhomocysteine nucleosidase (EC 3.2.2. (nmpd|SPy0447|; 515466)	3	0.329004329	0	0	0	0	707946.1537	195830.1948	2	2	1246958.417	113578.4636	2	5	657409.617	259429.3752	2	3	786945.4585	19057.00309	2	3	1	1
NAD-dependent oxidoreductase (nmpd|SPy0441|; 515462)	3	0.103448276	198482.56	17833.6057	2	2	85818.55121	26773.08785	2	2	106346.3954	12146.64393	2	2	144519.0266	26260.33713	2	2	115961.3727	8272.831272	2	2	1	1
Cytoplasmic copper homeostasis protein cutC (nmpd|SPy0408|; 515461)	3	0.19138756	330212.9533	33508.94574	2	2	182359.472	4175.573503	2	2	269328.4703	46532.42702	2	2	238040.6824	45723.49504	2	2	328391.2725	9109.295063	2	2	1	1
Tetrapyrrole (Corrin-Porphyrin) methylase family protein (nmpd|SPy0406|; 514847)	3	0.163763066	247640.9427	11454.93583	2	2	136956.3278	0	1	1	284239.3891	92218.53661	2	4	81403.82174	41939.31733	2	2	248125.5875	13059.33965	2	2	1	1
Initiation-control protein yabA (nmpd|SPy0405|; 325079)	3	0.224299065	152170.718	0	1	1	0	0	0	0	125287.8256	53580.42811	2	2	170321.1608	32236.53159	2	2	0	0	0	0	1	1
Thymidylate kinase (EC 2.7.4.9) (nmpd|SPy0399|; 515271)	3	0.18957346	494649.8791	93894.82262	2	5	483054.7789	205444.4885	2	5	742294.2088	506.3255775	2	5	389949.5638	91500.53359	2	4	507667.4748	30099.83789	2	4	1	1
hypothetical protein (nmpd|SPy0310|; 515936)	3	0.256	1620900.731	243554.1921	4	7	593028.1918	314480.4797	4	5	1264688.197	102426.5826	4	7	999546.9552	59926.63069	4	7	953103.6291	676379.9412	4	6	1	1
GTP-binding protein YqeH 2C possibly involved in replication initiation (nmpd|SPy0306|; 515343)	3	0.102150538	250504.3647	184723.0918	2	2	159825.1034	11218.47928	2	2	378069.5562	127611.8592	2	3	228724.67	0	1	1	294782.2748	255346.1046	2	3	1	1
Iron-sulfur cluster assembly ATPase protein SufC (nmpd|SPy0285|; 324994)	3	0.171875	505986.6259	182247.413	2	5	413402.6962	112740.6875	2	5	604363.1791	34791.93686	2	6	519397.8783	27647.33272	2	6	506386.6414	324693.2662	2	4	1	1
Amino acid transport ATP-binding protein (nmpd|SPy0276|; 515738)	3	0.12195122	1237851.793	757935.6737	4	5	305192.0699	14621.60578	2	2	392917.9627	83274.48951	2	2	463433.2586	185960.5567	2	3	438150.3234	13008.36182	2	3	1	1
Membrane protein oxaA 1 precursor (nmpd|SPy0247|; 515970)	3	0.072727273	563914.3901	437491.3595	4	5	241168.3648	222221.7605	3	4	529373.6623	366372.8243	4	5	295617.3266	244093.0421	3	4	479682.8026	369643.9207	3	4	1	1
Peroxide stress regulator PerR 2C FUR family (nmpd|SPy0187|; 324928)	3	0.309677419	373600.5017	106315.4562	2	3	347148.8827	70839.14998	2	3	767499.4471	229705.7077	2	4	176348.3332	0	1	1	654436.3144	68310.5428	2	4	1	1
Tellurite resistance protein (nmpd|SPy0158|; 515097)	3	0.102380952	118158.2875	0	1	1	0	0	0	0	89106.34198	0	1	1	0	0	0	0	135191.6219	0	1	1	1	1
Translation initiation inhibitor (nmpd|SPy0145|; 324891)	3	0.181818182	112711.5997	22273.7192	2	2	449479.3042	0	1	1	181965.9589	84562.84973	2	2	217279.6039	117057.0787	2	2	437314.7456	0	1	1	1	1
Glutamyl aminopeptidase (EC 3.4.11.7) (nmpd|SPy0115|pepA; 515305)	3	0.177464789	1946448.383	1097124.858	2	7	1519059.15	143990.669	2	5	2361712.268	646582.6711	2	6	1273436.111	216574.7332	2	6	1529855.189	805758.4775	2	5	1	1
Translation initiation factor 1 (nmpd|SPy0075|infA; 350746)	3	0.694444444	9747266.192	2576674.132	4	6	10856969.01	4116707.28	4	6	9948831.33	4128530.747	4	6	7330310.347	3201264.039	4	6	14064545.33	5629869.484	4	6	1	1
Galactose-6-phosphate isomerase lacB subunit (EC 5.3.1.26) (nmpd|SPy1922|lacB.2; 515241)	2	0.140350877	226878.036	36705.23329	2	2	0	0	0	0	0	0	0	0	0	0	0	0	36682.4031	0	1	1	1	1
Tagatose 1 2C6-diphosphate aldolase (EC 4.1.2.40) (nmpd|SPy1919|lacD.2; 515619)	2	0.067278287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	590483.1181	70219.98378	2	2	1	1
1-acyl-sn-glycerol-3-phosphate acyltransferase (EC 2.3.1.51) (nmpd|SPy1410|; 515671)	2	0.113970588	185095.9286	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
DNA polymerase III alpha subunit (EC 2.7.7.7) (nmpd|SPy1284|dnaE; 515165)	2	0.037644788	180467.9651	8729.168345	2	2	0	0	0	0	174858.8959	14787.05733	2	2	134158.7077	0	1	1	129442.1807	0	1	1	1	1
Dicarboxylate 2Famino acid 3Acation (Na 2B or H 2B) symporter (nmpd|SPy0324|; 515513)	2	0.061881188	462012.0511	0	1	1	210870.0134	0	1	1	0	0	0	0	354874.6243	0	1	1	546594.8012	182842.835	2	2	1	1
Peptidyl-tRNA hydrolase (EC 3.1.1.29) (nmpd|SPy0007|; 514864)	2	0.148148148	0	0	0	0	232153.1767	166872.8294	3	3	111141.6291	0	1	1	406489.0263	0	1	1	0	0	0	0	1	1
Cell division protein ftsI 5BPeptidoglycan synthetase 5D (EC 2.4.1.129) (nmpd|SPy1664|pbpX; 514880)	2	0.033288948	116458.7584	0	1	1	91279.59137	0	1	1	125237.4196	0	1	1	69446.27972	0	1	1	120387.4357	0	1	1	1	1
tRNA (guanine46-N7-)-methyltransferase (EC 2.1.1.33) (nmpd|SPy1726|; 515449)	2	0.146919431	0	0	0	0	252162.0136	0	1	1	1144381.67	833116.6571	4	4	417313.8626	0	1	1	342732.4023	0	1	1	1	1
hypothetical protein (nmpd|SPy1508|; 515392)	2	0.302631579	290897.832	90984.45674	2	2	274965.4624	0	1	1	324226.667	8484.967081	2	2	184232.7577	62752.06754	2	2	665477.4371	0	1	1	1	1
Deoxyadenosine kinase (EC 2.7.1.76) 2F Deoxyguanosine kinase (EC 2.7.1.113) (nmpd|SPy0121|; 515589)	2	0.103286385	0	0	0	0	89918.54058	0	1	1	0	0	0	0	0	0	0	0	120725.6868	0	1	1	1	1
PTS system 2C mannose-specific IIC component (EC 2.7.1.69) (nmpd|SPy1739|manM; 326193)	2	0.089219331	0	0	0	0	0	0	0	0	173592.5965	26445.03166	2	2	86703.6246	0	1	1	0	0	0	0	1	1
Transcription regulator 5Bcontains diacylglycerol kinase catalytic domain 5D (nmpd|SPy1158|; 515835)	2	0.122112211	367733.4129	0	1	1	0	0	0	0	313627.8943	126941.739	2	2	0	0	0	0	480399.3071	0	1	1	1	1
Dihydrofolate reductase (EC 1.5.1.3) (nmpd|SPy0883|; 520043)	2	0.133333333	1120809.568	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Transporter (nmpd|SPy2209|; 326592)	2	0.075862069	480852.6974	10257.16898	2	3	167553.0244	0	1	1	227861.6172	20285.04313	2	2	278576.6276	6312.619274	2	3	280120.1664	32326.91658	2	2	1	1
Galactose-6-phosphate isomerase lacA subunit (EC 5.3.1.26) (nmpd|SPy1923|lacA.2; 515809)	2	0.183098592	350496.9607	108205.1699	2	2	218450.6312	0	1	1	0	0	0	0	174499.7633	0	1	1	312134.1689	187038.6132	2	2	1	1
UDP-N-acetylmuramyl tripeptide synthase (nmpd|SPy1035|; 515884)	2	0.06741573	208982.5099	0	1	1	107080.3914	0	1	1	205450.0343	0	1	1	0	0	0	0	298598.4172	0	1	1	1	1
Peptide methionine sulfoxide reductase (EC 1.8.4.6) (nmpd|SPy0466|msrA.2; 533379)	2	0.24260355	655645.1519	3544.745305	2	2	0	0	0	0	520475.7773	17871.80778	2	2	624799.4474	11225.45617	2	2	563376.959	7100.282294	2	2	1	1
Glutamate racemase (EC 5.1.1.3) (nmpd|SPy0361|; 514966)	2	0.102272727	0	0	0	0	88190.77152	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chromosome partitioning protein parB (nmpd|SPy2217|spoJ; 515049)	2	0.100746269	0	0	0	0	0	0	0	0	50973.9759	0	1	1	0	0	0	0	0	0	0	0	1	1
Zinc protease (EC 3.4.99.-) (nmpd|SPy2199|; 514918)	2	0.062801932	106835.2137	26102.70376	2	2	0	0	0	0	132956.9632	0	1	1	60907.17585	0	1	1	0	0	0	0	1	1
Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) (nmpd|SPy2059|pbp2A; 515136)	2	0.035989717	102763.9904	22881.50612	2	2	136082.3781	0	1	1	148616.6932	0	1	1	92198.14059	6295.095938	2	2	0	0	0	0	1	1
Transcriptional regulatory protein (nmpd|SPy1862|; 350761)	2	0.272727273	2616383.112	1832030.223	5	7	3055566.94	2441589.806	5	5	3271919.521	3176720.272	4	5	1398739.166	1278442.78	3	5	2278367.341	2503591.559	4	4	1	1
hypothetical protein (nmpd|SPy1840|; 326291)	2	0.264705882	246597.2195	28880.32687	2	2	161950.4907	58653.25755	2	2	250060.9342	2156.089336	2	2	144628.5961	0	1	1	283752.8699	106989.93	2	2	1	1
Recombination inhibitory protein MutS2 (nmpd|SPy1837|mutS2; 515148)	2	0.047496791	0	0	0	0	70538.63414	0	1	1	58247.81694	0	1	1	0	0	0	0	0	0	0	0	1	1
Thioredoxin (nmpd|SPy1835|; 515872)	2	0.240384615	3875754.22	618242.2759	2	5	4021249.644	3062246.711	2	3	7580833.624	548543.8678	2	4	3827383.497	1365075.357	2	3	4510111.554	2086829.13	2	3	1	1
Aminopeptidase YpdF (MP- 2C MA- 2C MS- 2C AP- 2C NP- specific) (nmpd|SPy1824|pepP; 515223)	2	0.072829132	412003.321	368064.5994	4	4	75584.62622	0	1	1	260938.46	246659.7853	2	2	0	0	0	0	0	0	0	0	1	1
Transcriptional regulator 2C LytR family (nmpd|SPy1733|; 515831)	2	0.070754717	282963.9353	0	1	1	0	0	0	0	224478.5784	0	1	1	0	0	0	0	182907.1869	0	1	1	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1700|; 514942)	2	0.109489051	279525.0143	0	1	1	0	0	0	0	427205.2299	0	1	2	102624.5105	0	1	1	210325.581	5531.320034	2	2	1	1
N-acetylglucosamine-6-phosphate deacetylase (EC 3.5.1.25) (nmpd|SPy1694|nagA; 515688)	2	0.07591623	1112933.874	967435.5036	4	4	457962.2282	546553.8366	3	3	725885.2133	511921.7755	3	3	541511.2189	379617.9148	3	3	825223.4038	703516.9875	4	4	1	1
hypothetical protein (nmpd|SPy1687|; 326150)	2	0.270588235	1293921.78	99732.37998	2	2	1035361.473	423176.5752	2	2	1427101.358	321939.8013	2	3	873009.0607	78299.9827	2	2	1453052.934	54223.48033	2	2	1	1
ABC transporter ATP-binding protein (nmpd|SPy1674|; 515567)	2	0.094262295	544240.081	30837.546	2	2	260982.793	27052.13717	2	2	336035.4596	3885.647456	2	2	329365.9929	20533.70425	2	2	445594.2974	36081.17459	2	2	1	1
S-adenosyl-methyltransferase mraW (EC 2.1.1.-) (nmpd|SPy1666|; 515683)	2	0.091988131	1332018.835	507246.0226	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Amino acid permease (nmpd|SPy1654|aapA; 515864)	2	0.065359477	258180.4428	128818.6554	4	4	172082.3021	112774.0898	2	3	208892.2204	173769.8962	2	2	233905.8105	159821.2215	2	2	319315.0648	148365.5193	3	4	1	1
Cell division initiation protein (nmpd|SPy1646|; 326117)	2	0.259259259	582439.8863	639626.5166	2	2	291831.3971	259264.6686	2	2	874866.1335	211320.9877	3	6	229340.152	264596.8448	2	3	323224.9875	63007.85418	2	3	1	1
3-ketoacyl-CoA thiolase (EC 2.3.1.16) 3B Acetyl-CoA acetyltransferase (EC 2.3.1.9) (nmpd|SPy1637|atoB; 514996)	2	0.096202532	919121.5242	884020.9494	3	5	482141.01	272943.7435	3	3	596630.2459	672509.3389	2	2	843656.1934	589776.4511	3	3	625169.2155	562614.934	2	3	1	1
Putative two-component responsible histidine kinase (nmpd|SPy1605|; 515892)	2	0.050997783	824574.0721	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Ubiquinone 2Fmenaquinone biosynthesis methyltransferase UbiE 2FCOQ5 (EC 2.1.1.-) (nmpd|SPy1582|; 514955)	2	0.103585657	141864.0916	49000.90275	2	2	79253.74452	0	1	1	96645.82379	31941.26248	2	2	0	0	0	0	217320.4987	156381.6764	2	3	1	1
Phospho-2-dehydro-3-deoxyheptonate aldolase (EC 2.5.1.54) (nmpd|SPy1576|; 326034)	2	0.116	395488.5558	0	1	2	142649.2581	0	1	1	161990.6663	6463.045802	2	2	0	0	0	0	317057.5863	101278.9629	2	3	1	1
Glucosamine-6-phosphate deaminase (EC 3.5.99.6) (nmpd|SPy1399|nagB; 515086)	2	0.123931624	181533.0161	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
ATP-dependent RNA helicase 2C DEAD 2FDEAH box family (nmpd|SPy1369|deaD2; 515488)	2	0.113573407	631330.7168	85561.71999	2	2	316871.2772	33109.78392	2	2	577791.5523	30815.15245	2	2	309137.9842	72326.6451	2	2	461362.7638	0	1	1	1	1
Protein G-related alpha 2 macroglobulin-binding protein (GRAB) (nmpd|SPy1357|grab; 386409)	2	0.124423963	3208869.395	529892.4028	2	4	0	0	0	0	0	0	0	0	250577.3091	27735.69144	2	3	1297484.953	491177.3164	2	4	1	1
RNA methyltransferase 2C TrmA family (nmpd|SPy1346|; 515712)	2	0.051948052	213061.4251	0	1	1	261005.3119	0	1	1	422549.915	0	1	1	227134.8233	0	1	1	0	0	0	0	1	1
Transporter 2C MFS superfamily (nmpd|SPy1340|; 515309)	2	0.056650246	1569798.228	1102024.035	4	6	1141250.922	1323673.814	4	6	917965.4752	631619.6182	3	3	747988.4577	536725.3509	4	5	1434446.746	1195289.997	4	5	1	1
Maltose operon transcriptional repressor MalR 2C LacI family (nmpd|SPy1293|malR; 520073)	2	0.064896755	170216.5785	5632.611992	2	2	0	0	0	0	96241.80161	22310.83689	2	2	85147.89395	0	1	1	123775.3608	0	1	1	1	1
Alkylphosphonate utilization operon protein PhnA (nmpd|SPy1277|; 515587)	2	0.198198198	1541648.256	1127972.178	2	3	1435080.155	1430950.157	3	4	3548254.604	2394854.656	4	6	1505079.061	1527639.522	3	4	1579464.377	1840826.698	3	3	1	1
ABC transporter ATP-binding protein - glutamine transport (nmpd|SPy1275|; 515475)	2	0.205741627	363316.8452	75180.91351	2	4	185789.406	0	1	1	348681.189	101451.9614	2	2	207305.8156	13377.42909	2	2	371285.6237	125413.4353	2	3	1	1
50S ribosomal subunit maturation GTPase RbgA (B. subtilis YlqF) (nmpd|SPy1161|; 515718)	2	0.081560284	338219.7134	0	1	1	0	0	0	0	325998.4861	0	1	1	263040.3483	9531.527653	2	2	273242.3178	153496.8343	2	2	1	1
Sortase (nmpd|SPy1154|; 325590)	2	0.072289157	339925.7673	12619.72755	2	2	275678.6752	205385.116	2	3	551367.8125	138658.2726	2	5	369136.9796	65053.89666	2	4	502967.4138	142730.9395	2	3	1	1
4-oxalocrotonate tautomerase (EC 5.3.2.-) 3B Xylose transport system permease protein xylH (nmpd|SPy1139|; 325576)	2	0.540983607	1226321.328	283925.5732	2	4	672237.2378	45058.96644	2	2	1377094.12	205211.3566	2	4	1472600.175	184603.7382	2	4	1247306.193	723026.0352	2	3	1	1
UDP-N-acetylenolpyruvoylglucosamine reductase (EC 1.1.1.158) (nmpd|SPy1101|murB; 515916)	2	0.098305085	511203.0079	53784.96297	2	4	207656.832	78015.23875	2	3	366021.2642	50490.21585	2	4	214346.6221	98019.28047	2	3	358902.204	0	1	2	1	1
2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase (EC 2.7.6.3) (nmpd|SPy1100|folK; 515304)	2	0.156626506	703534.066	353111.7414	4	4	405684.0444	219645.957	2	2	1280700.875	380097.667	3	4	519749.0731	208817.2449	3	4	583344.345	389914.3894	2	2	1	1
cobyric acid synthase 2C putative (nmpd|SPy1034|; 515965)	2	0.098859316	99992.32593	0	1	1	0	0	0	0	0	0	0	0	78220.73429	0	1	1	0	0	0	0	1	1
Short chain dehydrogenase (nmpd|SPy0925|; 325471)	2	0.125984252	151641.2264	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Topoisomerase IV subunit B (EC 5.99.1.-) (nmpd|SPy0909|parE; 515268)	2	0.027692308	514182.0585	211845.3756	3	3	1610399.24	0	1	1	1015889.798	1029673.866	4	4	765038.592	944754.7889	3	3	279405.0896	401028.5199	3	3	1	1
putative poly(A) polymerase [Streptococcus pyogenes M1 GAS] (ref|NP_269068.1|; 515321)	2	0.080604534	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149691.3794	0	1	1	1	1
RNA binding protein (nmpd|SPy0841|; 325387)	2	0.405063291	740980.1569	82667.53609	2	2	371097.4297	19795.67861	2	2	449282.2977	7058.434235	2	2	0	0	0	0	555618.2244	38337.79643	2	2	1	1
Capsule biosynthesis protein capA (nmpd|SPy0818|; 515649)	2	0.058139535	109046.2654	18444.22133	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
putative transcriptional regulator (nmpd|SPy0811|; 350751)	2	0.336283186	4107442.25	1976472.384	3	5	2873601.065	1476626.22	3	5	1523762.031	476993.5489	2	4	2840579.992	1433907.686	2	5	3456240.031	1842372.466	3	7	1	1
probably aromatic ring hydroxylating enzyme 2C evidenced by COGnitor (nmpd|SPy0783|; 325337)	2	0.1875	1364552.002	1358883.14	4	4	783637.0504	965648.4868	4	5	1579433.423	1273653.405	3	4	998348.3294	732921.7861	3	3	214881.6589	116477.1404	2	2	1	1
ABC transporter ATP-binding protein (nmpd|SPy0773|; 515869)	2	0.117117117	173851.5939	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	85959.40263	0	1	1	1	1
Endonuclease 2FExonuclease 2Fphosphatase family protein (nmpd|SPy0747|; 515094)	2	0.028571429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157863.1761	20609.61407	2	2	1	1
Export ABC transporter ATP-binding protein, Streptolysin S export protein (SagG) (nmpd|SPy0744|sagG; 325303)	2	0.13029316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	177998.0681	11291.4675	2	2	1	1
DHH subfamily 1 protein (nmpd|SPy0720|; 515861)	2	0.067092652	1667353.64	175302.155	3	3	0	0	0	0	1391458.869	375442.7058	4	4	0	0	0	0	606770.5809	571137.9382	4	4	1	1
Hydroxyacylglutathione hydrolase (EC 3.1.2.6) (nmpd|SPy0646|; 520079)	2	0.142241379	2937452.634	561975.685	2	2	2813713.314	941623.5091	2	2	2123892.019	1748831.18	3	3	2060535.912	0	1	1	1278750.188	1606682.133	2	2	1	1
Transcriptional regulator 2C LacI family (nmpd|SPy0627|regR; 515329)	2	0.096676737	71795.33198	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	86857.39385	11358.3719	2	2	1	1
Transcriptional regulator (nmpd|SPy0599|; 325238)	2	0.251572327	109427.9819	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	119592.5495	86440.99344	2	2	1	1
bacterial seryl-tRNA synthetase related (nmpd|SPy0593|; 325234)	2	0.271428571	596197.4342	750481.6998	3	3	705588.392	732468.3922	2	2	1054432.169	946066.7365	4	5	0	0	0	0	550326.4915	507803.5835	3	3	1	1
PROTEASE (EC 3.4.-.-) (nmpd|SPy0590|; 515931)	2	0.090909091	282853.3434	22216.10286	2	2	212228.3973	0	1	1	165343.1778	0	1	1	264626.7944	0	1	1	688351.5334	145388.5057	2	4	1	1
General stress protein (nmpd|SPy0587|; 325228)	2	0.355555556	192370.2932	0	1	1	0	0	0	0	299984.9485	32619.77383	2	2	174957.6123	0	1	1	178839.8702	0	1	1	1	1
Prolipoprotein diacylglyceryl transferase (EC 2.4.99.-) (nmpd|SPy0585|; 325227)	2	0.1003861	270591.213	5808.674667	2	2	559709.7654	0	1	1	0	0	0	0	147116.6515	0	1	1	0	0	0	0	1	1
Ribonuclease III (EC 3.1.26.3) (nmpd|SPy0531|acpA; 515875)	2	0.095652174	346865.1775	287693.4858	2	5	349203.6679	0	1	2	252128.7779	12682.27225	2	2	147674.1441	22472.63415	2	3	189629.847	0	1	1	1	1
hypothetical protein (nmpd|SPy0508|; 515145)	2	0.162995595	398506.6339	10810.29557	2	2	89798.77304	0	1	1	221470.4464	61610.1407	2	2	162483.7518	5543.620082	2	2	194340.979	76609.74638	2	2	1	1
ATPase (nmpd|SPy0500|; 515374)	2	0.058	212396.4031	0	1	1	0	0	0	0	1035495.387	1001371.574	4	5	0	0	0	0	0	0	0	0	1	1
S1 RNA binding domain (nmpd|SPy0464|; 515851)	2	0.10877193	412513.8684	30696.17981	2	2	268800.5642	58090.26236	2	2	310527.001	1397.198785	2	2	255211.9295	0	1	1	368420.8506	36441.56007	2	2	1	1
Cell division protein ftsK (nmpd|SPy0458|; 515428)	2	0.034956305	86746.09589	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	78232.50003	0	1	1	1	1
Manganese ABC transporter 2C ATP-binding protein SitB (nmpd|SPy0454|mtsB; 515310)	2	0.095435685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80236.27828	118.1133304	2	2	1	1
Methionine ABC transporter substrate-binding protein (nmpd|SPy0319|; 515375)	2	0.110320285	245894.1537	54348.90317	2	2	195843.8879	0	1	1	188239.948	0	1	1	201416.0105	26313.34774	2	2	200679.3255	0	1	1	1	1
hypothetical protein SPy0238 [Streptococcus pyogenes M1 GAS] (ref|NP_268597.1|; 515440)	2	0.151515152	2355435.456	267822.4298	2	2	673891.2462	98299.37651	2	2	663840.8987	16808.08427	2	2	863061.9006	96485.31231	2	2	1189266.725	71525.64432	2	2	1	1
Metal-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy0208|; 515526)	2	0.104247104	0	0	0	0	0	0	0	0	0	0	0	0	2561587.724	0	1	1	2082833.733	0	1	1	1	1
hypothetical protein (nmpd|SPy0136|; 515785)	2	0.158371041	0	0	0	0	378163.1423	0	1	1	0	0	0	0	0	0	0	0	1006791.929	0	1	1	1	1
Transcriptional regulator 2C RofA (nmpd|SPy0124|rofA; 514927)	2	0.040241449	513140.5092	447159.3757	3	3	426511.0593	363609.898	4	4	263818.7317	129668.6203	2	2	102416.8586	0	1	1	570481.8082	455241.2253	4	5	1	1
Transcriptional repressor AdcR for Zn(2 2B)-responsive expression (nmpd|SPy0092|adcR; 515533)	2	0.156462585	96345.80309	0	1	1	215297.2014	0	1	2	187728.7648	60780.09286	2	3	122175.0667	10987.48236	2	2	191905.3674	199229.1435	2	3	1	1
LSU ribosomal protein L36p (nmpd|SPy0076|rpmJ; 324838)	2	0.605263158	45286700.04	39044716.7	4	5	31417188.36	25952379.73	4	7	37750532.46	30872111.95	4	5	21484826.06	16163258.99	4	6	26068865.72	20797810.39	4	9	1	1
Acyltransferase family (nmpd|SPy0041|; 515320)	2	0.069373942	413023.702	57210.9613	2	4	0	0	0	0	302113.1121	116184.0869	2	3	230266.9688	58250.63799	2	2	289035.0735	225107.4662	2	3	1	1
Holliday junction DNA helicase RuvB (nmpd|SPy0038|ruvB; 515221)	2	0.087349398	257652.4706	0	1	2	140213.8828	0	1	1	202259.7627	87642.12611	2	3	0	0	0	0	242486.7664	144893.2092	2	3	1	1
Helicase loader DnaI (nmpd|SPy0340|dnaI; 325033)	1	0.046666667	854025.3625	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
EftLSL.B, Spy0130, pilus ancillary protein (nmpd|SPy0130| ; 520035)	1	0.079069767	0	0	0	0	125395.6645	0	1	1	112280.0481	0	1	1	93871.51664	0	1	1	0	0	0	0	0	1
putative acetyltransferase (nmpd|SPy1065|; 514992)	1	0.132978723	258416.0933	0	1	1	0	0	0	0	306028.5965	12604.44691	2	2	207774.7785	11839.81832	2	2	0	0	0	0	0	1
Peptide deformylase (EC 3.5.1.88) (nmpd|SPy0870|; 325413)	1	0.088235294	70532.70326	9199.233466	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit C (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1772|gatC; 350759)	1	0.11	0	0	0	0	120803.0652	51379.84785	2	2	79420.4393	0	1	1	0	0	0	0	0	0	0	0	1	1
putative transport accessory protein (nmpd|SPy1971|; 515665)	1	0.161290323	626260.312	0	1	1	360717.2399	0	1	1	309824.9588	0	1	1	304985.5519	120283.5564	2	2	403351.3779	2021.913063	2	2	1	1
Type I restriction-modification system specificity subunit (nmpd|SPy1905|hsdS; 515588)	1	0.040100251	0	0	0	0	0	0	0	0	136858.827	12106.34883	2	2	0	0	0	0	118013.4099	10066.85779	2	2	1	1
Transcriptional regulator of arginine metabolism expression (nmpd|SPy1496|; 515242)	1	0.076923077	60585.56775	16336.73214	2	2	0	0	0	0	64457.26249	0	1	1	0	0	0	0	48700.55896	488.1961309	2	2	1	1
Pyrroline-5-carboxylate reductase (EC 1.5.1.2) (nmpd|SPy0112|proC; 515716)	1	0.05859375	0	0	0	0	0	0	0	0	139093.7505	0	1	1	0	0	0	0	156662.4724	0	1	1	1	1
Putative Holliday junction resolvase (EC 3.1.-.-) (nmpd|SPy2113|; 350762)	1	0.09352518	603880.2617	658138.0233	2	2	119650.3245	0	1	1	424321.7197	446827.1774	2	2	649594.6352	442874.5211	3	3	359343.0908	460622.6596	2	2	1	1
M protein trans-acting positive regulator (Mga) (nmpd|SPy2019|; 515628)	1	0.028355388	341370.4661	44921.75276	2	2	198282.8384	59494.10288	2	2	290891.9495	60468.02582	2	2	0	0	0	0	261619.6722	0	1	1	1	1
Dipeptide transport ATP-binding protein dppD (TC 3.A.1.5.2) (nmpd|SPy2003|dppD; 326427)	1	0.063670412	116650.7891	0	1	1	76570.26424	0	1	1	0	0	0	0	0	0	0	0	115651.4611	22812.40035	2	2	1	1
hypothetical protein SPy1989 [Streptococcus pyogenes M1 GAS] (ref|NP_269953.1|; 515927)	1	0.118881119	215721.9732	8185.415086	2	2	230876.2315	0	1	1	297666.3085	3155.077351	2	2	167342.0669	19597.59341	2	2	359452.5319	13384.21493	2	2	1	1
Ribonucleotide reduction protein NrdI (nmpd|SPy1984|; 514930)	1	0.06875	135723.7144	4682.027405	2	2	0	0	0	0	136261.8766	3947.234228	2	2	68340.09722	0	1	1	0	0	0	0	1	1
PTS system 2C lactose-specific IIA component (EC 2.7.1.69) (nmpd|SPy1918|lacF; 326357)	1	0.238095238	513210.132	60345.64566	2	2	0	0	0	0	0	0	0	0	0	0	0	0	408404.1599	29916.95136	2	2	1	1
Potassium efflux system kefA 2F Small-conductance mechanosensitive channel (nmpd|SPy1897|; 326337)	1	0.06405694	214093.3157	8914.975161	2	2	256093.7706	193090.8051	2	2	0	0	0	0	176132.0942	0	1	1	156851.7756	0	1	1	1	1
hypothetical protein (nmpd|SPy1845|; 326295)	1	0.0875	266713.9264	10878.93566	2	2	0	0	0	0	129844.1295	18259.09659	2	2	246179.8742	0	1	1	0	0	0	0	1	1
Transcription termination protein NusB (nmpd|SPy1818|nusB; 340954)	1	0.126666667	584143.6775	0	1	1	478232.3572	0	1	1	689870.7684	0	1	1	533241.5004	67849.45118	2	2	496270.3523	0	1	1	1	1
Acyl carrier protein (nmpd|SPy1753|acpP; 326206)	1	0.148648649	6275863.129	5288139.477	4	4	1105914.339	1121369.269	3	3	5973739.331	5159089.737	4	4	3062576.694	3696998.212	3	3	1242258.461	881384.0379	3	3	1	1

COG2740 3A Predicted nucleic-acid-binding protein implicated in transcription termination (nmpd|SPy1723|; 533442)	1	0.102040816	5038052.486	5572996.844	4	4	3250765.106	4376526.166	2	2	3945579.672	4322882.802	4	4	4321460.222	3604706.979	3	3	5361241.889	5908051.003	4	4	1	1
PTS system 2C galactose-specific IIB component (EC 2.7.1.69) (nmpd|SPy1710|; 515613)	1	0.138613861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	265103.7846	40620.44456	2	2	1	1
Na 2FPi cotransporter II-related protein (nmpd|SPy1695|; 515192)	1	0.020257827	0	0	0	0	379480.134	0	1	1	0	0	0	0	0	0	0	0	379041.063	0	1	1	1	1
ABC transporter permease protein (nmpd|SPy1673|; 515075)	1	0.027675277	0	0	0	0	153709.6375	0	1	1	174864.0576	65903.2368	2	2	252380.7984	78356.24932	2	2	274913.3823	0	1	1	1	1
Butyrate-acetoacetate CoA-transferase subunit A (EC 2.8.3.9) (nmpd|SPy1638|atoD.1; 515180)	1	0.097222222	93441.13402	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mutator mutT protein (7 2C8-dihydro-8-oxoguanine-triphosphatase) (EC 3.6.1.-) (nmpd|SPy1510|mutT; 325981)	1	0.092715232	279880.6472	13726.51167	2	2	2351904.124	0	1	1	296404.8943	0	1	1	286865.9559	0	1	1	1580213.893	1908336.05	2	2	1	1
DNA repair protein RecN (nmpd|SPy1495|recN; 514931)	1	0.027124774	503262.0448	0	1	1	230802.804	0	1	1	791167.0225	0	1	1	0	0	0	0	0	0	0	0	1	1
Lipase 2FAcylhydrolase with GDSL-like motif (nmpd|SPy1492|; 515312)	1	0.073426573	0	0	0	0	0	0	0	0	100500.7224	0	1	1	0	0	0	0	0	0	0	0	1	1
Biotin-protein ligase (EC 6.3.4.15) 2F Biotin operon repressor (nmpd|SPy1362|birA; 515465)	1	0.041533546	0	0	0	0	257915.9399	0	1	1	339837.0566	0	1	1	0	0	0	0	277687.2111	24421.12722	2	2	1	1
Transcriptional regulator 2C GntR family (nmpd|SPy1285|; 515371)	1	0.12195122	2183901.349	1938336.079	4	4	781783.0001	807450.9415	2	2	1345013.681	941551.2691	3	3	851158.4888	975390.2415	3	3	894786.3748	1035469.95	3	3	1	1
Two component system response regulator CiaR (nmpd|SPy1237|; 515654)	1	0.058035714	92718.4576	16552.66607	2	2	50022.19888	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Glycine cleavage system H protein (nmpd|SPy1217|; 325639)	1	0.136363636	608548.021	26086.03211	2	2	191860.6379	68739.87462	2	2	391971.768	133423.8298	2	2	262007.2006	85540.50354	2	2	0	0	0	0	1	1
Xanthine phosphoribosyltransferase (EC 2.4.2.-) (nmpd|SPy1136|; 325573)	1	0.07253886	212601.224	5390.060439	2	2	237259.3119	0	1	1	89759.77409	0	1	1	0	0	0	0	165403.0796	27891.09411	2	2	1	1
Cysteine desulfurase (EC 2.8.1.7) (nmpd|SPy1122|; 515367)	1	0.056	0	0	0	0	0	0	0	0	104451.829	0	1	1	0	0	0	0	120495.2471	12513.2408	2	2	1	1
Hyaluronate lyase precursor (EC 4.2.2.1) (nmpd|SPy1032|hylA; 515717)	1	0.02484472	157811.2843	0	1	1	0	0	0	0	147049.352	0	1	1	0	0	0	0	0	0	0	0	1	1
Putative tRNA-m1A22 methylase (nmpd|SPy0930|; 325476)	1	0.052631579	392025.5593	0	1	1	274116.5011	0	1	1	0	0	0	0	0	0	0	0	382528.709	0	1	1	1	1
6-aminohexanoate-cyclic-dimer hydrolase (EC 3.5.2.12) (nmpd|SPy0902|amiC; 515210)	1	0.026859504	0	0	0	0	380977.8621	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Diphosphomevalonate decarboxylase (EC 4.1.1.33) (nmpd|SPy0877|mvaD; 515138)	1	0.041401274	126694.793	0	1	1	0	0	0	0	118272.1744	0	1	1	0	0	0	0	133973.5345	0	1	1	1	1
Ribosomal large subunit pseudouridine synthase D (EC 4.2.1.70) (nmpd|SPy0827|; 325375)	1	0.043918919	0	0	0	0	61711.14475	0	1	1	69514.89137	0	1	1	0	0	0	0	93725.50095	5813.759142	2	2	1	1
Glycosyltransferase involved in cell wall biogenesis (EC 2.4.-.-) (nmpd|SPy0794|; 325346)	1	0.095238095	157949.1176	0	1	1	0	0	0	0	107274.6272	0	1	1	0	0	0	0	80149.84017	0	1	1	1	1
Transporter (nmpd|SPy0653|; 514954)	1	0.036923077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122144.3028	0	1	1	1	1
hypothetical protein (nmpd|SPy0622|; 325255)	1	0.1328125	89190.78311	0	1	1	0	0	0	0	89894.91372	0	1	1	88456.17498	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0577|; 515945)	1	0.431372549	2815079.342	175672.954	2	2	3059621.394	947076.8349	2	2	2116955.711	132015.8424	2	2	2107479.957	440417.3433	2	2	2233315.894	779327.7182	2	2	1	1
ABC transporter 2C substrate-binding protein (nmpd|SPy0575|; 533397)	1	0.084870849	0	0	0	0	176641.9407	0	1	1	220291.7858	15792.97885	2	2	129432.3007	0	1	1	204887.37	7990.789695	2	2	1	1
Uracil-DNA glycosylase (EC 3.2.2.-) (nmpd|SPy0472|; 515420)	1	0.083769634	113346.5474	0	1	1	94176.38444	0	1	1	103146.3812	13117.90132	2	2	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0467|; 350749)	1	0.14084507	0	0	0	0	0	0	0	0	475255.6631	541619.1527	2	2	380897.4302	437854.1387	2	2	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0439|; 515920)	1	0.141025641	770550.1942	791854.4026	2	2	217182.2898	34202.51865	2	2	858495.8534	990786.6981	3	3	312916.1129	63765.9518	2	2	349182.4818	0	1	1	1	1
hypothetical protein (nmpd|SPy0397|; 325074)	1	0.131868132	191169.5672	27875.12275	2	2	159646.3402	0	1	1	147413.9867	1415.771619	2	2	112554.8514	27241.01793	2	2	170210.6177	0	1	1	1	1
hypothetical protein (nmpd|SPy0343|; 515417)	1	0.065	0	0	0	0	66687.60851	0	1	1	0	0	0	0	0	0	0	0	82231.95246	0	1	1	1	1
Ribonucleotide reductase transcriptional regulator NrdR (nmpd|SPy0338|; 515111)	1	0.085365854	137361.1817	0	1	1	0	0	0	0	125794.0364	30455.89331	2	2	0	0	0	0	135471.4098	7579.494476	2	2	1	1
Methyltransferase gidB (EC 2.1.-.-) (nmpd|SPy0329|gidB; 515837)	1	0.050632911	398729.1321	282589.5492	3	3	0	0	0	0	0	0	0	0	0	0	0	0	422584.8727	302653.9705	3	3	1	1
Ubiquinone 2Fmenaquinone biosynthesis methyltransferase UbiE 2FCOQ5 (EC 2.1.1.-) (nmpd|SPy0312|; 325013)	1	0.053231939	0	0	0	0	0	0	0	0	0	0	0	0	85532.2652	0	1	1	0	0	0	0	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0309|; 325011)	1	0.076142132	218424.2851	0	1	1	0	0	0	0	157630.5567	0	1	1	103866.5184	0	1	1	161838.6507	24555.07895	2	2	1	1
Oligopeptide transport system permease protein oppC (TC 3.A.1.5.1) (nmpd|SPy0295|oppC; 515554)	1	0.045454545	228911.8265	0	1	1	0	0	0	0	237673.1441	0	1	1	0	0	0	0	316157.754	48616.12282	2	2	1	1
Putative deoxyribonuclease YcfH (nmpd|SPy0260|; 515166)	1	0.054744526	461389.3858	3927.496683	2	2	252639.569	45975.90539	2	2	472713.3097	72467.05276	2	2	232874.0723	0	1	1	547276.0376	16824.33544	2	2	1	1
DNA repair protein RadA (nmpd|SPy0236|; 514861)	1	0.048565121	74503.37458	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Deoxyuridine 5'-triphosphate nucleotidohydrolase (EC 3.6.1.23) (nmpd|SPy0235|; 520078)	1	0.108108108	400196.883	15344.01874	2	2	302690.4664	96336.98201	2	2	301408.7661	48491.16335	2	2	329453.7109	0	1	1	430135.3514	67115.65816	2	2	1	1
membrane protein (nmpd|SPy0201|; 515511)	1	0.041811847	324992.9765	0	1	1	0	0	0	0	205064.0965	0	1	1	0	0	0	0	239964.9162	0	1	1	1	1
Metal-dependent hydrolase 2C eco 3Ab4192 ortholog (nmpd|SPy0182|; 324923)	1	0.041322314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127646.6474	0	1	1	1	1
Hypothetical protein spyM18_0155 (nmpd|SPy0159|; 515669)	1	0.065068493	146437.255	38977.07197	2	2	0	0	0	0	0	0	0	0	81524.42838	0	1	1	90351.88877	0	1	1	1	1
EftLSL.A, Pilus backbone, tee1 (nmpd|SPy0128| ; 515676)	1	0.044117647	192655.8478	0	1	1	87558.93661	0	1	1	168891.3471	0	1	1	179038.3203	21265.97298	2	2	106452.5225	3741.667526	2	2	1	1
Signal peptidase I (EC 3.4.21.89) (nmpd|SPy0127|; 514912)	1	0.20610687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	199117.1202	0	1	1	1	1
Preprotein translocase secY subunit (TC 3.A.5.1.1) (nmpd|SPy0073|secY; 515722)	1	0.032258065	1027640.626	109305.9167	2	2	342984.5778	7958.607124	2	2	608209.5617	207428.0809	2	2	378236.0351	25517.10734	2	2	387357.9721	0	1	1	1	1
MORN motif family protein (nmpd|SPy0040|; 515893)	1	0.105263158	386946.2319	42595.90861	2	2	0	0	0	0	317362.8714	10861.72335	2	2	0	0	0	0	567390.3831	91219.71558	2	2	1	1
hypothetical protein SPy0009 [Streptococcus pyogenes M1 GAS] (ref|NP_268430.1|; 533464)	1	0.091836735	605634.7552	0	1	1	358559.2694	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Putative oxidoreductase (nmpd|SPy2107|; 514986)	1	0.038585209	0	0	0	0	0	0	0	0	247767.1088	0	1	1	1342557.21	0	1	1	0	0	0	0	1	1
Transaldolase (EC 2.2.1.2) (nmpd|SPy2048|mipB; 515469)	1	0.054054054	135803.0002	25087.28101	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Two-component response regulator yvqC (nmpd|SPy1621|; 515045)	1	0.056338028	554619.3975	0	1	1	537050.9647	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
DNA polymerase III subunits gamma and tau (EC 2.7.7.7) (nmpd|SPy1364|dnaX; 515582)	1	0.019784173	82333.46427	21641.47881	2	2	0	0	0	0	96328.6345	47699.45184	2	2	0	0	0	0	0	0	0	0	1	1
Cell division protein ftsX (nmpd|SPy0645|ftsX; 515759)	1	0.067307692	2185762.688	49323.66262	2	2	1486178.787	60311.72318	2	2	1341693.542	22641.43564	2	2	1454512.127	212894.4211	2	2	1926649.721	323652.2635	2	2	1	1
tRNA uridine 5-carboxymethylaminomethyl modification enzyme gidA (nmpd|SPy2185|gidA; 514987)	1	0.025316456	0	0	0	0	91476.22463	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
SSU ribosomal protein S14p (S29e) (nmpd|SPy0064|rpsN; 324828)	1	0.147540984	50634491.46	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	39838379.93	0	1	1	1	1
Glutathione peroxidase (EC 1.11.1.9) (nmpd|SPy0605|bsaA; 520057)	1	0.081761006	0	0	0	0	0	0	0	0	2085344.013	0	1	1	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy2181|; 515896)	1	0.166666667	63070.11881	19104.00036	2	2	0	0	0	0	0	0	0	0	0	0	0	0	71022.10601	0	1	1	1	1
Pseudouridylate synthases 2C 23S RNA-specific (nmpd|SPy1146|; 515883)	1	0.04	137712.7388	31561.34376	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Ribulose-phosphate 3-epimerase (EC 5.1.3.1) (nmpd|SPy0264|; 324977)	1	0.077272727	321345.059	195660.7475	2	3	335575.975	57854.07558	2	2	388445.4953	22486.65419	2	2	221566.1719	0	1	1	381723.0954	127202.8842	2	2	1	1
Pore forming protein ebsA (nmpd|SPy0800|; 325351)	0	0	86650.68848	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Regulatory protein (nmpd|SPy0851|; 515032)	0	0	90371.84662	19638.67223	2	2	0	0	0	0	92897.79329	22503.88884	2	2	103076.6954	0	1	1	114066.1606	0	1	1	0	1
ATP synthase delta chain (EC 3.6.3.14) (nmpd|SPy0757|atpH; 515264)	0	0	2093180.987	0	1	1	324836.3954	0	1	1	937524.7307	0	1	1	920191.151	0	1	1	1240188.389	0	1	1	1	1
Negative regulator of genetic competence MecA (nmpd|SPy0281|mecA; 515387)	0	0	0	0	0	0	295561.166	190243.3963	2	2	419254.6572	321070.4566	2	2	127795.2714	0	1	1	0	0	0	0	1	1
Alkaline shock protein 2 (nmpd|SPy1886|; 326330)	0	0	1267713.042	554670.4089	2	3	393988.918	185120.9152	2	2	661063.2398	9893.715577	2	2	308319.0654	0	1	1	1235384.552	134016.2918	2	2	1	1

n_u_pep, number of unique peptides; seq_cov, sequence coverage; n, number of replicates; pep, number of peptides; fdr_1p, 1% false discovery rate; fdr_5p, 5% false discovery rate

Table S4 (related to Figure 4B)

Protein description (acc)	n_u_pep	seq_cov	TH (avg)	TH (stdev)	TH (n)	TH (pep)	Pl. 10p (avg)	Pl. 10p (stdev)	Pl. 10p (n)	Pl. 10p (pep)	HSA (avg)	HSA (stdev)	HSA (n)	HSA (pep)	HSA-FA (avg)	HSA-FA (stdev)	HSA-FA (n)	HSA-FA (pep)	TH+FA (avg)	TH+FA (stdev)	TH+FA (n)	TH+FA (pep)	fdr_1p	fdr_5p
Translation elongation factor G (nmpd|SPy0273|; 324985)	56	0.692196532	199208508.5	13667944.9	3	88	198289606.8	13440415.25	3	89	217047165	34577325.83	3	91	148275076.1	47156054.01	6	170	60655908.26	10503693.32	3	37	1	1
DNA-directed RNA polymerase beta' subunit (EC 2.7.7.6) (nmpd|SPy0099|rpoC; 515092)	49	0.436108821	12029030.42	2937933.001	3	56	17955947.66	1803048.422	3	72	18313421.98	954002.3574	3	83	9565028.7	4410450.91	6	134	1447111.014	916912.704	3	19	1	1
Translation elongation factor Tu (nmpd|SPy0611|tufA; 514830)	48	0.605527638	689842948.4	74531640.25	3	100	572811593.2	11744497.31	3	94	626427303	40950959.98	3	93	572018245.1	62562657.09	6	182	634301586.9	52151302.52	3	92	1	1
Streptococcal Enolase (EC 4.2.1.11) (SEN), plasmin(ogen) binding (nmpd|SPy0731|eno; 514851)	47	0.749425287	1179115499	99386465.69	3	108	737636575.4	50836326.33	3	84	860387346	54938204.96	3	96	914859911.6	77457547.26	6	174	1581101358	73053964.63	3	77	1	1
Non-phosphorylating glyceraldehyde-3-phosphate dehydrogenase (NADP) (EC 1.2.1.9) (nmpd|SPy1371|gapN; 515146)	43	0.728421053	365498919.4	10740131.03	3	73	179109107.1	11930100.54	3	54	188313032.4	15048831.1	3	67	341819050.6	28490955.33	6	150	314902468	38408287.6	3	49	1	1
Pyruvate kinase (EC 2.7.1.40) (nmpd|SPy1282|; 514907)	41	0.66	330905153.4	20649058.66	3	82	265482819.4	10428362.8	3	81	318310304.8	21589189.47	3	93	215703839.6	38311677.62	6	172	291373932.8	12134492.42	3	74	1	1
Phosphoglycerate kinase (EC 2.7.2.3) (nmpd|SPy1881|; 326326)	39	0.693467337	360897867.2	15448643.42	3	62	251386435.9	6756158.737	3	61	281492763.6	10318800.02	3	62	297033147	19428368.35	6	142	330778640	29974919.48	3	64	1	1
Chaperone protein DnaK (nmpd|SPy1760|dnaK; 326211)	39	0.620065789	170417968.3	31104662.76	3	85	100056350.7	8829294.506	3	79	137192829	598703.9348	3	86	106616864	10185288.68	6	156	210655616.5	7099798.301	3	68	1	1
NAD-dependent glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), Plasmin(ogen) receptor (nmpd|SPy0274|gapA, plr; 515131)	39	0.857142857	1143402276	56623550.84	3	72	688038761.8	33419786.93	3	57	973092276.7	26918973.87	3	65	928542763.4	100287181.3	6	138	1759059200	104096804.5	3	61	1	1
Inosine-5'-monophosphate dehydrogenase (EC 1.1.1.205) (nmpd|SPy2206|guaB; 326589)	31	0.569979716	97164114.81	3464901.389	3	64	58811539.55	9859814.151	3	62	81660803.06	5657494.411	3	59	65644292.37	8939782.522	6	122	66738735.72	10247981.85	3	45	1	1
Heat shock protein 60 family chaperone GroEL (nmpd|SPy2070|groEL; 515098)	31	0.651933702	49082174.44	4329117.256	3	71	28240580.56	2031536.116	3	69	45450938.84	3309082.828	3	69	33034809.89	2345452.812	6	136	44758735.01	6622231.696	3	56	1	1
Transketolase (EC 2.2.1.1) (nmpd|SPy1676|; 515490)	30	0.504922644	23445049.55	1276779.898	3	59	19324356.71	2822567.193	3	50	33515145.5	5514340.264	3	55	20277103.7	8988104.314	6	104	6877129.109	237919.2253	3	32	1	1
DNA-directed RNA polymerase beta subunit (EC 2.7.7.6) (nmpd|SPy0098|rpoB; 515076)	29	0.313131313	9112231.211	371684.7557	3	49	11391107.62	952288.9892	3	48	10487506.99	1615381.317	3	54	5416165.226	2131821.118	6	84	2229408.756	628100.1565	3	19	1	1
Dihydrolipoamide dehydrogenase of acetoin dehydrogenase (EC 1.8.1.4) (nmpd|SPy1031|acoL; 515481)	27	0.494037479	31749862.83	1632105.903	3	57	21957188.59	1007931.204	3	58	22347257.22	3084670.302	3	57	27990002.99	2885053.724	6	119	35545949.32	1621400.979	3	46	1	1
Phosphoenolpyruvate-protein phosphotransferase of PTS system (EC 2.7.3.9) (nmpd|SPy1372|pstI; 325813)	26	0.500866551	17991268.85	2401911.634	3	40	20684727.65	5630652.455	3	37	22163265.75	6911488.22	3	41	14864841.95	8685362.665	6	75	2370236.228	202454.6483	3	12	1	1
Prolyl-tRNA synthetase (EC 6.1.1.15) (nmpd|SPy1962|proS; 514848)	26	0.545307443	10234901.95	3821423.378	3	55	7588488.515	1901605.707	3	47	10580664.1	137674.4511	3	59	11222361.98	1600050.035	6	118	3917002.516	1737119.176	3	25	1	1
SSU ribosomal protein S1p (nmpd|SPy0913|; 325451)	26	0.573566085	318759561.9	31598136.29	3	64	293494961.6	29735965.57	3	55	262290548.5	26657742.27	3	55	235752351.8	15425645.24	6	113	332293178.3	35621895.41	3	56	1	1
Glucose-6-phosphate isomerase (EC 5.3.1.9) (nmpd|SPy0215|pgi; 515686)	26	0.608017817	37504833.15	5749390.383	3	38	33072908.6	1159102.745	3	34	36581914.98	5209090.843	3	34	26425356.83	2693933.994	6	61	49500361.95	5052029.565	3	19	1	1
LSU ribosomal protein L2p (L8e) (nmpd|SPy0052|rplB; 324818)	25	0.624548736	211627339.6	22096802.86	3	39	227492598.7	28935962.17	3	42	190355165.7	45991182.25	3	44	125012674.7	15464573.89	6	85	121054375.5	29354663.37	3	28	1	1
Arginyl-tRNA synthetase (EC 6.1.1.19) (nmpd|SPy2151|argS; 515252)	24	0.545293073	5269225.589	1441310.184	3	38	4865800.383	803039.2094	3	42	9795084.534	3782238.961	3	53	4884969.636	3342030.755	6	81	407524.9432	371780.3017	2	4	1	1
Cell division trigger factor tig (nmpd|SPy1896|ropA; 514832)	24	0.473067916	52208860	885642.5545	3	37	45399748.79	1437570.671	3	30	42460430.65	2458088.323	3	35	38370702.89	3884877.683	6	69	73536923.23	7492600.903	3	35	1	1
L-lactate dehydrogenase (EC 1.1.1.27) (nmpd|SPy1151|ldh; 325588)	24	0.602446483	54660542.02	6182697.382	3	39	42666650.29	7199701.146	3	41	65171527.17	20799364.14	3	44	37758890.38	17961554.16	6	69	9511270.669	2486178.193	3	14	1	1
LSU ribosomal protein L7 2FL12 (L23e) (nmpd|SPy1073|rplL; 350753)	23	0.909090909	610727973.8	66036553.28	3	44	618088963.1	33110578.93	3	41	560301770.8	2939548.095	3	45	480505243.2	75650840.53	6	94	834905910.5	55263699.39	3	47	1	1
SSU ribosomal protein S4p (S9e) (nmpd|SPy2178|rpsD; 326565)	22	0.802955665	125569025.6	4463027.283	3	46	121871624.6	11120740.41	3	48	106976433.8	4177515.676	3	51	87021301.13	7307472.633	6	95	63402540.36	7271711.916	3	42	1	1
Neutral endopeptidase O (EC 3.4.24.-) (nmpd|SPy2095|pepO; 515056)	22	0.369255151	15712020.82	3356901.737	3	32	26583878.82	5454017.927	3	37	10963818.34	1858695.978	3	29	20092369.07	4468011.594	6	76	3872002.912	294553.8348	3	15	1	1
Translation elongation factor Ts (nmpd|SPy2093|; 514838)	22	0.569364162	104073143.3	4089999.238	3	42	106355378.5	9405386.186	3	46	95868391.97	8766125.363	3	39	84006246.73	5544369.55	6	78	77036584.23	12938990.27	3	33	1	1
Fructose-bisphosphate aldolase class II (EC 4.1.2.13) (nmpd|SPy1889|; 514890)	22	0.645051195	322804153.3	23854619.81	3	38	247975095.7	30151997.05	3	34	279593745.5	15912354.38	3	37	220425602	21099564.31	6	67	362854808.4	69746885.62	3	31	1	1
Protein export cytoplasm protein SecA ATPase RNA helicase (TC 3.A.5.1.1) (nmpd|SPy1805|secA; 514999)	22	0.315852205	3340894.172	316524.1981	3	26	3251268.322	178162.8064	3	27	3957394.994	736562.6167	3	24	2371834.152	1423784.51	6	47	217768.4691	0	1	1	1	1
Triosephosphate isomerase (EC 5.3.1.1) (nmpd|SPy0613|; 514909)	22	0.718253968	59923247.98	10604355.32	3	28	41506199.92	1522092.582	3	28	64907923.91	1777914.309	3	31	61107415.81	5156216.742	6	60	70207006.73	4793046.194	3	27	1	1
DNA-directed RNA polymerase alpha subunit (EC 2.7.7.6) (nmpd|SPy0080|rpoA; 324841)	22	0.618589744	27553338.01	3672791.235	3	38	34682183.65	1200077.063	3	37	30467482.44	1373855.397	3	35	24511214.69	2462900.141	6	74	15496659.13	3676134.384	3	29	1	1
Phosphoglucomutase (EC 5.4.2.2) (nmpd|SPy1224|pgmA; 515004)	21	0.482517483	6091040.547	611578.1198	3	24	3015358.926	814502.2174	3	19	5600681.593	861743.232	3	29	4172634.05	2130368.43	6	49	1764504.791	764500.662	3	10	1	1
GMP synthase 5Bglutamine-hydrolyzing 5D (EC 6.3.5.2) (nmpd|SPy1204|guaA; 515215)	21	0.465384615	7614286.026	1967346.184	3	42	4726588.351	839167.6664	3	38	11155849.78	907042.9686	3	53	5163687.096	2709638.77	6	83	1339326.009	580508.6303	3	16	1	1
ABC transporter ATP-binding protein (nmpd|SPy2210|; 326593)	20	0.439703154	6902676.243	1373657.558	3	36	5965844.743	864460.8638	3	35	7336599.643	1039860.664	3	43	4773111.648	2696351.89	6	72	1544877.386	132952.4175	3	15	1	1
Pyruvate formate-lyase 3B Formate acetyltransferase (EC 2.3.1.54) (nmpd|SPy1849|; 515161)	20	0.388387097	9399888.296	2040413.395	3	37	11657740.65	2023268.811	3	34	9326936.85	599467.1742	3	41	6168039.46	2926217.09	6	71	1151188.606	422156.4536	3	11	1	1
3-oxoacyl- 5Bacyl-carrier-protein 5D synthase 2C KASII (EC 2.3.1.41) (nmpd|SPy1748|fabF; 514908)	20	0.643902439	66252656.5	13292445.74	3	34	33632987.88	11192299.42	3	34	19536074.3	1793425.875	3	27	53060137.02	13097409.29	6	62	53659845.82	2402694.084	3	22	1	1
Translation initiation factor 2 (nmpd|SPy1721|infB; 326176)	20	0.273871983	2688898.085	455037.8743	3	23	3034006.197	382882.6733	3	26	2844857.271	1028645.937	3	19	1908126.251	1420993.809	6	41	154301.3653	4557.756529	2	2	1	1
Cell division protein ftsZ (EC 3.4.24.-) (nmpd|SPy1520|ftsZ; 325989)	20	0.624145786	48930850.14	3128344.593	3	42	27877447.07	2392563.583	3	42	40854673.79	5557976.668	3	44	34610383.53	5857149.486	6	84	36014514.72	2748601.729	3	35	1	1
Glucosamine--fructose-6-phosphate aminotransferase 5Bisomerizing 5D (EC 2.6.1.16) (nmpd|SPy1280|glmS; 514846)	20	0.405629139	4822487.042	417734.5666	3	29	5117027.33	1158153.183	3	32	6910744.393	2197475.599	3	39	4403604.41	2791832.39	6	58	83669.62851	0	1	1	1	1
Adenylosuccinate synthetase (EC 6.3.4.4) (nmpd|SPy0160|purA; 515275)	20	0.493023256	7102851.001	898258.3512	3	35	3029529.943	240332.8543	3	26	9711726.512	571151.7807	3	39	6628339.8	1218749.016	6	76	6767216.154	1042973.96	3	23	1	1
SSU ribosomal protein S2p (SAe) (nmpd|SPy2092|rpsB; 514829)	19	0.666666667	130796930.1	9667754.484	3	42	111976217.6	2598384.543	3	41	103814379.4	898512.9179	3	45	84824729.38	7901208.311	6	81	134754557.3	6766610.156	3	37	1	1
ATP synthase beta chain (EC 3.6.3.14) (nmpd|SPy0760|atpD; 515409)	19	0.444444444	38452285.68	5442903.155	3	43	15279762.65	4428620.289	3	31	30873148.7	1466145.514	3	45	30811492.27	3415827.431	6	93	26043211.97	3750616.545	3	32	1	1
Antiphagocytic M protein (nmpd|SPy2018|emm1; 386417)	19	0.340909091	15186169.72	5546016.636	3	37	7805726.661	2857515.6	3	34	6470893.27	2402306.195	3	27	23460483.51	10411231.79	6	88	22560924.93	8299805.514	3	36	1	1
Polyribonucleotide nucleotidyltransferase (EC 2.7.7.8) (nmpd|SPy1946|pnpA; 514913)	19	0.309859155	3560480.09	731791.9085	3	19	3793499.126	840924.1897	3	29	3856590.476	1784945.437	3	30	3362286.234	605771.8129	6	53	1818649.257	304196.4079	3	9	1	1
Valyl-tRNA synthetase (EC 6.1.1.9) (nmpd|SPy1568|valS; 515119)	19	0.292517007	2078921.046	941711.2549	3	19	3870345.52	804373.0511	3	20	3079832.196	204070.9643	3	24	2227700.062	408002.7802	6	48	627551.5029	34349.92245	2	9	1	1
Carbamoyl-phosphate synthase large chain (EC 6.3.5.5) (nmpd|SPy0835|carB; 515170)	19	0.239130435	752143.1344	297819.1302	3	20	346447.7377	30089.30294	3	17	1937456.496	637810.3019	3	36	869727.1954	691921.5886	6	49	49745.66231	0	1	1	1	1
Cell division protein ftsH (EC 3.4.24.-) (nmpd|SPy0015|ftsH; 515099)	19	0.370257967	6642352.43	348013.2498	3	31	6521006.259	482824.9168	3	42	5565698.123	1499481.527	3	34	6036307.459	3501398.434	6	73	354407.6881	245738.2491	3	6	1	1
6-phosphofructokinase (EC 2.7.1.11) (nmpd|SPy1283|pfkA; 515296)	18	0.451038576	50111115.25	6660212.145	3	37	37605096.61	1587896.45	3	38	47043705.84	6237115.974	3	43	41962651.01	5674962.951	6	84	34794483.62	9306854.739	3	33	1	1
Glutamyl-tRNA synthetase (EC 6.1.1.17) 3B Glutamyl-tRNA(Gln) synthetase (nmpd|SPy0239|gltX; 324955)	18	0.486486486	4625155.547	825837.1797	3	22	4249646.834	473002.3224	3	24	4327727.981	506986.837	3	24	3541994.975	803320.3574	6	51	2826499.334	778723.8472	3	15	1	1
LSU ribosomal protein L5p (L11e) (nmpd|SPy0063|rplE; 324827)	18	0.655555556	96603984.67	5556150.669	3	41	117310592.2	13490186.37	3	39	89468588.27	4004188.649	3	37	72486792.32	11488054.27	6	73	45064855.42	24183355.1	3	31	1	1
Seryl-tRNA synthetase (EC 6.1.1.11) (nmpd|SPy1742|serS; 515225)	17	0.458823529	9896352.865	1311465.817	3	29	6743256.644	737964.7112	3	31	11728072.95	824835.2834	3	37	7985580.175	721078.1132	6	71	8244790.202	2374308.297	3	27	1	1
Isoleucyl-tRNA synthetase (EC 6.1.1.5) (nmpd|SPy1513|ileS; 514973)	17	0.281886388	1023623.484	333796.5432	3	12	1158418.018	550047.8519	3	13	2123103.653	550176.7114	3	18	1296893.312	766022.5769	6	34	322385.6277	0	1	1	1	1
Phosphoglycerate mutase (EC 5.4.2.1) (nmpd|SPy1429|gpmA; 514982)	17	0.558441558	105862154.1	8624938.852	3	30	81132489.71	16313765.21	3	28	101335474	3002478.412	3	29	84049030.59	6751150.707	6	61	98704982.56	10431351.97	3	22	1	1
Asparaginyl-tRNA synthetase (EC 6.1.1.22) (nmpd|SPy0651|asnS; 515229)	17	0.401785714	2826412.439	640066.1667	3	21	2856759.174	287477.3405	3	23	2967142.325	643246.7323	3	23	1859819.85	1217823.643	6	37	394398.2018	217268.0418	3	7	1	1
Peptidylproline cis-trans-isomerase (EC 5.2.1.8) 3B Proteinase maturation protein (RopA) (nmpd|SPy2037|; 515532)	16	0.546925566	6783493.588	2138424.549	3	27	1995368.857	857808.6517	3	18	4834185.174	455971.8304	3	26	2859883.634	1783410.309	6	49	1014619.488	461236.365	3	9	1	1
kinase related to hydroxyacetone kinase (nmpd|SPy1885|; 515380)	16	0.386281588	15931625.73	957773.7582	3	33	13463622.52	2014783.516	3	37	15075778.27	1598609.83	3	33	13657693.79	1629448.19	6	60	9900724.187	1327466.145	3	16	1	1
PTS system 2C mannose-specific IIB component (EC 2.7.1.69) 2F PTS system 2C mannose-specific IIA co (nmpd|SPy1738|manL; 514902)	16	0.581818182	28522720.48	3902335.867	3	40	30897850.47	7265748.827	3	35	29917677.3	322248.6383	3	35	29167747.17	2655446.666	6	76	22133231.67	10152791.96	3	31	1	1
Cysteine synthase (EC 2.5.1.47) (nmpd|SPy1618|cysM; 515615)	16	0.568690096	76167970.51	8996820.451	3	32	70816914.25	4949818.793	3	32	83743144.52	4010749.408	3	35	62710781.31	3840986.601	6	67	69063380.68	15162376.47	3	29	1	1
Glutamine ABC transporter 2C glutamine-binding protein 2Fpermease protein (nmpd|SPy1315|; 515163)	16	0.259668508	2090273.731	379707.3521	3	24	818013.0455	16571.29716	3	16	2394979.017	45941.98088	3	25	2074328.511	1410017.967	6	51	114412.0373	7672.573918	2	2	1	1
NADH oxidase H2O-forming (EC 1.6.-.-) (nmpd|SPy1150|; 514831)	16	0.309210526	29986720.99	5295588.354	3	30	31647637.05	2547951.52	3	35	30639244.97	2477334.137	3	37	21846413.89	3533491.297	6	69	17131162.2	2017318.403	3	27	1	1
LSU ribosomal protein L10p (P0) (nmpd|SPy1072|rplJ; 514835)	16	0.620481928	43513338.09	1599966.018	3	29	53145246.26	1883251.154	3	32	39649702.49	1599314.494	3	30	35170796.92	4343105.84	6	58	59337536.28	3405704.84	3	27	1	1
Manganese-dependent inorganic pyrophosphatase (EC 3.6.1.1) (nmpd|SPy0380|; 514993)	16	0.54340836	29257412.12	1592410.559	3	28	18207262.91	1714402.443	3	18	22812026.35	4204236.83	3	28	21293990.6	1846430.829	6	52	30948734.83	2523920.171	3	21	1	1
Alkyl hydroperoxide reductase protein C (EC 1.6.4.-) (nmpd|SPy2079|ahpC; 514834)	15	0.543010753	38870314.74	3693731.473	3	27	11710662.18	1702953.752	3	18	21359597.31	2041596.316	3	22	22826796.71	3317766.298	6	44	51495569.3	5645031.763	3	20	1	1
ATP-dependent Clp protease 2C ATP-binding subunit ClpE (nmpd|SPy1509|clpE; 514920)	15	0.242105263	1146054.921	653856.9087	3	16	383953.9206	181428.7252	3	14	948914.0081	595219.1069	3	19	799487.9778	343053.9705	6	43	0	0	0	0	1	1
DNA-binding protein HBsu (nmpd|SPy1489|hlpA; 325962)	15	0.824175824	109750116.9	26724510.96	3	22	79846406.89	12891069.6	3	19	90938483.66	10438700.64	3	21	75838693.73	8775057.274	6	39	94908713.74	24188704.34	3	13	1	1
Foldase protein prsA 1 precursor (EC 5.2.1.8) (nmpd|SPy1390|; 515468)	15	0.455840456	8793386.565	3323866.696	3	25	13512931.81	1136535.393	3	25	6753668.269	627064.3037	3	26	10101529.59	3756245.924	6	53	2328242.001	612248.7509	3	11	1	1
Acetoin dehydrogenase E1 component beta-subunit (EC 1.1.1.5) (nmpd|SPy1028|acoB; 514854)	15	0.442771084	28443569.87	3266589.093	3	36	21360115.21	1576619.897	3	32	19997990.53	1193261.045	3	32	19480288.89	2929458.151	6	59	20788998.22	8005815.427	3	21	1	1
Lysyl-tRNA synthetase (class II) (EC 6.1.1.6) (nmpd|SPy0595|lysS; 514958)	15	0.366197183	2175662.366	1106910.903	3	18	2430251.124	542937.7051	3	22	2746374.401	725933.0119	3	19	1416481.968	776017.4008	6	33	809779.4135	160615.6251	3	8	1	1
Leucyl-tRNA synthetase (EC 6.1.1.4) (nmpd|SPy0173|leuS; 515503)	15	0.273709484	1173675.707	230281.7681	3	15	1454254.891	535493.5995	3	19	1582288.209	542629.7498	3	19	958818.9331	461410.0065	6	27	105129.6536	29225.18359	2	2	1	1
SSU ribosomal protein S13p (S18e) (nmpd|SPy0077|rpsM; 324839)	15	0.661157025	61295041.97	12289518.56	3	37	63032052.26	1436395.408	3	31	49334477.04	1079998.674	3	33	44149802.03	4641963.515	6	68	40030595.15	5908793.143	3	29	1	1
SSU ribosomal protein S3p (S3e) (nmpd|SPy0056|rpsC; 324821)	15	0.68202765	41989813.42	7084085.75	3	35	51030509.25	3766108.213	3	37	46429628.48	6793003.682	3	33	32517217.42	12494179.52	6	60	10582041.43	3006138.925	3	15	1	1
ATP synthase alpha chain (EC 3.6.3.14) (nmpd|SPy0758|atpA; 325315)	14	0.370517928	20319341.39	1808162.41	3	27	9413032.635	748223.7376	3	23	18188027.71	1014843.177	3	27	18264611.83	1411928.318	6	53	18415552.41	4089353.252	3	26	1	1
Strepotococcal cysteine protease (Streptopain) (EC 3.4.22.10) (SpeB) (nmpd|SPy2039|speB; 386422)	14	0.422110553	4083434.485	2194688.893	3	19	0	0	0	0	11034835.21	3430763.598	3	27	467098.6604	0	1	1	6540144.822	1113043.122	3	20	1	1
Dipeptide-binding ABC transporter 2C periplasmic substrate-binding component (TC 3.A.1.5.2) (nmpd|SPy2000|dppA; 515812)	14	0.3099631	535370.2252	159402.0419	3	7	687088.2672	228773.4952	3	11	277808.4385	76785.56999	3	9	838001.3667	278409.1318	6	31	368242.6103	0	1	1	1	1
Alanyl-tRNA synthetase (EC 6.1.1.7) (nmpd|SPy1389|alaS; 515323)	14	0.211009174	1064203.442	98383.47721	3	13	1231341.935	265683.4543	3	20	1228133.024	501103.1758	3	23	931617.4869	546180.7675	6	35	385423.5222	165085.6777	2	5	1	1
Ribonucleotide reductase of class Ib (aerobic) 2C alpha subunit (EC 1.17.4.1) (nmpd|SPy1375|nrdE.2; 515036)	14	0.244784423	1062013.18	927085.4997	3	11	490255.0019	297757.4915	3	9	1331362.751	367414.0035	3	19	588831.4472	496475.1644	6	22	59942.65047	0	1	1	1	1
Lysyl-aminopeptidase 3B aminopeptidase N (EC 3.4.11.2) (nmpd|SPy1239|pepN; 515921)	14	0.192899408	3336922.926	2899831.534	3	18	984567.1275	64661.82132	3	18	2821267.517	133379.0158	3	23	1366197.668	1044895.804	6	31	0	0	0	0	1	1
Xaa-His dipeptidase (EC 3.4.13.3) (nmpd|SPy1070|; 514926)	14	0.439232409	15453545.41	4129808.322	3	29	5931707.703	605428.4407	3	26	15415546.61	900039.0737	3	37	15830886.91	694914.0188	6	67	16232665.91	3602033.314	3	20	1	1
ATP-dependent Clp protease ATP-binding subunit clpX (nmpd|SPy0885|clpX; 514859)	14	0.381418093	6639103.017	697707.0178	3	28	5064065.139	376063.5019	3	28	6193602.312	813164.1767	3	31	4890701.159	993408.4696	6	60	5536952.108	1192953.292	3	21	1	1
LSU ribosomal protein L6p (L9e) (nmpd|SPy0066|rplF; 324830)	14	0.550561798	36660730.33	10387516.06	3	18	43490962.03	2525944.492	3	17	32450691.06	4524307.858	3	16	26477278.52	1216255.232	6	34	26601248.04	2092896.181	3	14	1	1
GTP-binding and nucleic acid-binding protein YchF (nmpd|SPy0006|; 514905)	14	0.460916442	3814845.574	654201.1622	3	23	2432425.855	638213.3597	3	19	3899989.699	899214.6365	3	23	3714469.55	326750.5466	6	49	4860445.598	643081.0991	3	16	1	1
3-oxoacyl- 5Bacyl-carrier protein 5D reductase (EC 1.1.1.100) (nmpd|SPy1749|fabG; 515084)	13	0.483606557	10138795.09	1693281.154	3	19	5558101.843	246632.0348	3	20	1139349.948	311004.7621	3	15	7366017.957	4261869.151	6	45	862126.5893	253528.6285	3	7	1	1
Glycyl-tRNA synthetase beta chain (EC 6.1.1.14) (nmpd|SPy1688|glyS; 514916)	13	0.234167894	1916550.858	343573.6618	3	25	1609381.583	354638.3397	3	23	2305276.742	603728.793	3	29	1262770.086	639231.8546	6	44	374972.4109	155543.8423	3	6	1	1
Probable RNA helicase exp9 (nmpd|SPy1415|deaD; 514877)	13	0.296846011	3342275.713	416826.9078	3	27	3414933.713	730796.53	3	29	3061992.731	786612.1958	3	26	1634351.436	1168745.076	6	40	448877.6779	46309.135	2	3	1	1
Glucose-1-phosphate thymidylyltransferase (EC 2.7.7.24) (nmpd|SPy0933|cpsFO; 515474)	13	0.474048443	4864677.027	1068360.999	3	23	2150375.903	397029.6794	3	20	5184971.208	1296247.097	3	23	5025513.937	1109104.002	6	49	4337073.608	1042098.94	3	18	1	1
Ribosome recycling factor (nmpd|SPy0463|; 325124)	13	0.691891892	16829890.35	2610168.703	3	26	13039988.24	3364250.49	3	25	14225741.57	478226.4776	3	24	11524286.57	2912911.036	6	49	19602495.1	3991689.347	3	27	1	1
LSU ribosomal protein L1p (L10Ae) (nmpd|SPy0461|rplA; 325121)	13	0.510917031	65408265.14	11744014.04	3	26	62817135.14	4725692.198	3	24	51051382.16	6109697.201	3	23	37810788.32	8895642.186	6	48	22468182.18	2021022.499	3	21	1	1
Jag protein (nmpd|SPy0248|; 514906)	13	0.621710526	1233673.564	396457.2515	3	8	488102.9125	146899.9562	3	9	1336350.563	407301.1034	3	13	1195315.297	232034.9234	6	26	1409099.693	206675.5382	3	9	1	1
SSU ribosomal protein S5p (S2e) (nmpd|SPy0069|rpsE; 324832)	13	0.695121951	95840988.2	5618917.157	3	27	90776089.58	15722427.51	3	26	85139322.13	9396384.307	3	28	58331919.96	18531774.56	6	54	26156532.77	11403122.55	3	19	1	1
Adenylosuccinate lyase (EC 4.3.2.2) (nmpd|SPy0036|purB; 515519)	13	0.395348837	1459513.729	341043.7397	3	12	1980394.434	1447022.805	3	10	1242956.556	398224.6171	3	14	383708.6831	208608.1867	6	11	1338997.879	518504.287	3	11	1	1
Ribose-phosphate pyrophosphokinase (EC 2.7.6.1) (nmpd|SPy0020|prsA.2; 515259)	13	0.3875	5595697.358	1666855.6	3	28	5049296.514	791703.844	3	29	11083029.58	2691446.426	3	35	5576044.631	2859228.198	6	62	839756.5955	321033.2534	3	9	1	1
Membrane protease subunits 2C stomatin 2Fprohibitin homologs (nmpd|SPy1884|; 515422)	12	0.375	1371189.326	553354.2039	3	16	1056305.226	448609.0568	3	13	896652.3067	455234.2061	3	14	1050122.002	671181.5462	6	28	836977.5782	119756.6805	3	3	1	1
Glutamine synthetase type I (EC 6.3.1.2) (nmpd|SPy1877|glnA; 515381)	12	0.352678571	8708082.413	1881657.223	3	26	7244597.714	1257917.457	3	29	12430942.9	2637085.541	3	29	8318793.738	5216258.717	6	56	637902.4108	122318.0578	2	5	1	1
Transcription termination protein NusA (nmpd|SPy1724|nusA; 520025)	12	0.350649351	4031721.661	907093.2163	3	24	3855589.461	279700.885	3	25	3661984.394	292923.8493	3	27	2914121.605	666601.4601	6	52	2795778.927	542872.2113	3	15	1	1
DNA binding protein starved cells-like peroxide resistance protein (nmpd|SPy1531|; 325999)	12	0.708571429	51529905.69	11790914.26	3	18	14943909.48	3082686.562	3	13	51523058.86	7630437.988	3	17	39134833.87	14314344.02	6	31	19669827.44	5622410.882	3	10	1	1
General stress protein 2C Gls24 family (nmpd|SPy1262|; 325681)	12	0.480446927	73535918.66	18320441.52	3	29	17987089.73	5990331.948	3	20	43805608.99	2672848.884	3	29	68556082.7	10704045.91	6	59	100587441.8	7174231.744	3	32	1	1
Phosphate acetyltransferase (EC 2.3.1.8) (nmpd|SPy1128|pta; 515109)	12	0.47734139	8065734.304	886971.536	3	21	2789626.641	169172.6883	3	18	6138464.953	561099.4151	3	25	4421228.305	477985.2272	6	48	8946682.522	1565549.792	3	19	1	1
Phosphoglucosamine mutase (EC 5.4.2.10) (nmpd|SPy1038|; 514983)	12	0.365853659	9400329.858	1891866.421	3	24	7019170.237	1476053.046	3	27	10652162.21	1708888.391	3	27	8500506.333	1530515.952	6	53	3287933.895	2413612.052	3	16	1	1
dTDP-glucose 4 2C6-dehydratase (EC 4.2.1.46) (nmpd|SPy0936|cpsFQ; 520026)	12	0.453757225	7127184.761	2513258.928	3	17	4468096.855	712324.3736	3	16	6402924.029	1297290.523	3	19	6383073.801	882023.241	6	44	7772920.733	1905319.588	3	13	1	1
Phosphopentomutase (EC 5.4.2.7) (nmpd|SPy0890|deoB; 515072)	12	0.35235732	9541305.761	1167327.47	3	24	5635974.72	530377.1416	3	29	7515305.248	720129.4537	3	27	7160802.451	708868.4945	6	56	13465905.49	749546.2334	3	28	1	1
Oligoendopeptidase F (nmpd|SPy0606|pepF; 514941)	12	0.23706177	2053086.102	457862.5213	3	15	745564.7463	229547.9334	3	15	2934424.602	534217.6937	3	21	1834719.872	1382514.85	6	37	148826.6255	78008.30938	2	2	1	1
Pyrrolidone-carboxylate peptidase (EC 3.4.19.3) (nmpd|SPy0506|; 325163)	12	0.586046512	2460310.179	1143888.768	3	16	832316.9627	597154.4785	2	8	2397005.156	525959.5582	3	18	1809222.202	459782.3451	6	32	1932212.988	692176.7213	3	9	1	1
Glycerol-3-phosphate dehydrogenase 5BNAD(P) 2B 5D (EC 1.1.1.94) (nmpd|SPy0226|gpsA; 515189)	12	0.535502959	1067737.309	351409.8637	3	14	789313.9612	683753.489	3	14	2566831.841	1023861.552	3	26	2016542.92	1412669.619	6	49	40997.05087	0	1	1	1	1
putative ABC transporter (lipoprotein) [Streptococcus pyogenes M1 GAS] (ref|NP_268542.1|; 514979)	12	0.49122807	5181695.651	1088642.397	3	18	5121526.021	1001488.516	3	23	6747024.312	902416.9632	3	25	5084839.118	661716.0484	6	47	5173452.879	891590.0107	3	17	1	1
Adenylate kinase (EC 2.7.4.3) (nmpd|SPy0074|; 515356)	11	0.603773585	10973011.17	1696813.785	3	30	9576029.783	1888712.766	3	27	10749081.67	687073.9934	3	28	7244327.849	1012192.293	6	51	4334412.488	2216087.906	3	14	1	1
Peptide deformylase (EC 3.5.1.88) (nmpd|SPy1958|; 326391)	11	0.573529412	3948778.667	502943.8124	3	19	5224484.951	892309.6355	3	23	5691918.266	2999196.847	3	24	2549219.033	1276923.049	6	41	3434370.647	2110741.569	3	15	1	1
CTP synthase (EC 6.3.4.2) (nmpd|SPy1894|pyrG; 326334)	11	0.271535581	549760.499	99339.41145	3	10	299147.2192	69025.47101	3	7	439827.4813	18234.19219	3	8	295706.6024	83503.00376	6	14	652359.4623	270625.2636	3	7	1	1
Xaa-Pro dipeptidyl-peptidase (EC 3.4.14.11) (nmpd|SPy1858|pepXP; 515739)	11	0.193421053	240917.0619	185395.607	2	5	109817.7444	46322.21204	3	3	106997.7175	21521.91155	3	4	107305.0815	53946.77933	6	10	0	0	0	0	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit A (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1771|gatA; 417288)	11	0.340163934	1003046.897	378975.0071	3	13	887988.619	436380.3961	3	13	1228165.303	375274.126	3	16	1052149.35	477898.7758	6	31	556733.0065	275262.9348	3	8	1	1
Nicotinate phosphoribosyltransferase (EC 2.4.2.11) (nmpd|SPy1653|nadE; 515154)	11	0.285123967	793911.1846	331338.6174	3	13	658658.4513	114409.9678	3	10	881263.5319	104912.6312	3	11	772792.1881	220078.0648	6	24	324810.3145	9675.986443	2	4	1	1
Arginine deiminase (EC 3.5.3.6) (nmpd|SPy1547|sagP; 326015)	11	0.333333333	3158070.491	1052196.145	3	16	0	0	0	0	1095908.062	50488.98216	3	16	453611.1663	374137.9136	5	15	1640095.092	223211.008	3	9	1	1
Nucleoside-binding protein (nmpd|SPy1228|; 515432)	11	0.46	11870155.41	4037645.776	3	20	14379263.1	3148662.327	3	25	10040389.08	2193093.723	3	24	11298964.21	1341777.104	6	55	15837653.36	1993381.736	3	18	1	1
PTS system 2C fructose-specific IIA component (EC 2.7.1.69) 2F PTS system 2C fructose-specific IIB (nmpd|SPy0855|; 515010)	11	0.199074074	6027458.819	262385.9314	3	20	4560244.24	491091.2791	3	21	5059363.585	578853.7635	3	25	2974592.612	1542035.054	6	45	1076157.932	528557.6906	3	9	1	1
LSU ribosomal protein L31p (nmpd|SPy0717|rpmE; 325285)	11	0.88372093	13280682.81	3729870.304	3	17	10474210.71	2979324.822	3	21	13003861.49	792526.073	3	19	11562615.67	1996663.646	6	43	5039547.395	1804158.461	3	22	1	1
Cell division initiation protein DivIVA (nmpd|SPy1514|; 325984)	10	0.392857143	11620063.83	4485587.532	3	25	5347744.197	1044806.222	3	21	10632702.51	1364610.512	3	22	12118340.34	1167856.979	6	55	15536056.85	1187257.585	3	20	1	1
SSU ribosomal protein S8p (S15Ae) (nmpd|SPy0065|rpsH; 324829)	10	0.628787879	26446743.96	5080058.967	3	18	32564447.25	7417457.976	3	18	29333302.77	3820247.229	3	16	21441575.36	6547831.733	6	27	4728296.933	3077113.04	3	10	1	1
Serine protease DegP, HtrA, C do-like, (EC 3.4.21.-) (nmpd|SPy2216|htrA; 514837)	10	0.385749386	5319660.468	2088368.614	3	22	2644072.594	448309.2656	3	8	4006084.343	634327.9107	3	12	4386919.996	2028375.853	6	31	944842.528	121486.4488	3	8	1	1
Alkyl hydroperoxide reductase protein F (EC 1.6.4.-) (nmpd|SPy2080|nox1; 515266)	10	0.278431373	2443594.43	1132759.926	3	17	573780.6373	147431.8044	3	10	2404521.157	169356.6064	3	23	1922590.738	727018.8827	6	39	615362.6635	322092.3496	3	9	1	1
Acid phosphatase (EC 3.1.3.2) (nmpd|SPy1882|lppC; 515445)	10	0.373239437	3798483.841	800870.5792	3	16	1108257.699	299260.6333	3	11	4132952.195	405682.8393	3	20	2067205.015	1043366.449	6	33	866086.0043	327934.4383	3	6	1	1

Zn-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy1876|; 326322)	10	0.225	681100.7992	184647.9569	3	9	465985.7987	32721.7709	3	9	827180.9101	203221.4231	3	14	469667.4919	245619.9686	6	17	0	0	0	0	1	1
Uridine phosphorylase (EC 2.4.2.3) (nmpd|SPy1869|; 515122)	10	0.55984556	761941.8344	83925.99882	2	7	334015.6025	178458.2552	3	11	341304.4942	310753.0201	3	7	293212.2956	243709.6968	6	15	997982.2579	481225.8164	3	7	1	1
SSU ribosomal protein S6p (nmpd|SPy1831|rpsF; 326283)	10	0.78125	64446658.05	10227389.07	3	19	64557729.76	2276748.693	3	17	50243979.59	12908177.84	3	16	56693724.7	4994216.805	6	35	68108038.08	8496404.977	3	11	1	1
Aspartyl-tRNA(Asn) amidotransferase subunit B (EC 6.3.5.-) 3B Glutamyl-tRNA(Gln) amidotransferase su (nmpd|SPy1770|gatB; 515038)	10	0.269311065	1723003.96	708624.7521	3	15	1472165.176	223431.5551	3	16	2145197.193	517698.424	3	18	1598623.259	602770.5705	6	36	971303.5829	284941.6134	3	10	1	1
Malonyl CoA-acyl carrier protein transacylase (EC 2.3.1.39) (nmpd|SPy1750|fabD; 514972)	10	0.317307692	2486411.156	1448865.362	3	13	1721757.984	737957.8714	3	8	331256.6857	168379.4051	3	3	2548625.194	1498896.848	6	31	605690.4635	279326.3952	2	4	1	1
Ornithine carbamoyltransferase (EC 2.1.3.3) (nmpd|SPy1544|arcB; 515028)	10	0.332344214	5943405.381	1496546.837	3	19	97716.27632	66515.89115	3	3	2607709.536	279402.704	3	16	985404.2909	402748.4885	6	23	7031286.667	1439845.357	3	16	1	1
Cell division protein ftsA (nmpd|SPy1521|ftsA; 325990)	10	0.359030837	918275.1226	696897.2661	3	13	1135330.223	193104.9077	3	16	1283872.113	442873.0105	3	20	755974.7736	579322.1233	6	29	46513.66171	0	1	1	1	1
Peptide chain release factor 3 (nmpd|SPy1416|prfC; 515073)	10	0.258754864	521034.1161	371166.8197	3	9	611163.2645	137583.9563	3	13	1014925.107	231747.3545	3	16	745341.4539	369532.581	6	27	217163.5124	1262.257322	2	3	1	1
Glutamine transport ATP-binding protein glnQ (TC 3.A.1.3.2) (nmpd|SPy1316|; 515557)	10	0.467479675	11732752.09	1558234.921	3	25	7062738.779	690934.417	3	18	11140496.83	1843869.975	3	24	12152925.64	2527408.258	6	50	5423805.499	1124891.716	3	16	1	1
Lipoate-protein ligase A (nmpd|SPy1033|; 515746)	10	0.386018237	4274868.067	1396871.774	3	22	1123318.393	34752.22978	3	13	4198543.833	597644.0508	3	25	3630781.642	413687.9102	6	46	4457507.553	1009830.197	3	16	1	1
putative ABC transporter (binding protein) [Streptococcus pyogenes M1 GAS] (ref|NP_269099.1|; 515604)	10	0.404682274	961501.0599	252178.5971	3	13	627734.2629	92279.80152	3	10	987388.6538	104948.5068	3	18	1052732.369	408505.4192	6	29	400490.3203	94361.35531	2	5	1	1
Purine nucleoside phosphorylase (EC 2.4.2.1) (nmpd|SPy0892|punA; 515502)	10	0.371747212	4739483.616	748480.9983	3	14	2449005.944	505267.5298	3	11	5013874.127	798290.5103	3	13	4363610.432	2399865.852	6	22	7182129.884	521328.3026	3	8	1	1
Phenylalanyl-tRNA synthetase beta chain (EC 6.1.1.20) (nmpd|SPy0769|pheT; 514836)	10	0.188514357	221943.7199	80310.18751	3	5	202651.2332	25603.47441	3	5	391657.9839	77616.44608	3	10	211196.417	154654.4951	6	15	0	0	0	0	1	1
Peptidyl-prolyl cis-trans isomerase (EC 5.2.1.8) 2C cyclophilin-type (nmpd|SPy0457|; 515194)	10	0.496268657	1497340.439	409999.2798	3	11	727061.8011	449851.5163	3	12	1216508.863	131821.3995	3	14	780235.5512	540390.8252	6	21	1648450.481	335435.7313	3	12	1	1
SSU ribosomal protein S7p (S5e) (nmpd|SPy0272|rpsG; 520031)	10	0.448717949	45940826.62	480496.244	3	24	45888104.44	2531796.321	3	23	36144696.01	2874903.384	3	24	33479571.09	2889032.855	6	40	80162521.22	8340084.485	3	20	1	1
LSU ribosomal protein L22p (L17e) (nmpd|SPy0055|rplV; 350764)	10	0.684210526	37019105.99	8676151.985	3	20	39673916.02	11135786.87	3	17	34314030.64	1954172.179	3	18	28677579.74	5651679.266	6	35	9512664.006	1254662.052	3	15	1	1
LSU ribosomal protein L23p (L23Ae) (nmpd|SPy0051|rplW; 324817)	10	0.775510204	73107695.72	5744844.086	3	29	76346368.74	7888930.614	3	25	61703781.83	5723112.493	3	28	53761780.6	2782722.167	6	57	28576050.73	7410540.496	3	24	1	1
LSU ribosomal protein L4p (L1e) (nmpd|SPy0050|rplD; 324816)	10	0.512077295	60372558.68	5074994.176	3	21	77040310.15	6994791.851	3	21	55477115.14	5510089.718	3	23	36440076.96	8428926.114	6	42	18899375.07	5311572.619	3	15	1	1
LSU ribosomal protein L13p (L13Ae) (nmpd|SPy1932|rplM; 520030)	9	0.581081081	28565061.45	7392672.536	3	20	37271260.34	5075816.751	3	21	34521055.35	3126271.633	3	24	21019673.26	7538012.308	6	40	2194408.503	1647751.153	3	10	1	1
Aspartate aminotransferase (EC 2.6.1.1) (nmpd|SPy1779|; 515825)	9	0.368811881	185721.96	149934.1745	3	4	140347.2673	81504.80421	3	5	376578.0359	81523.7408	3	7	290355.8828	123439.9494	4	9	0	0	0	0	1	1
Enoyl- 5Bacyl-carrier-protein 5D reductase 5BFMN 5D (EC 1.3.1.9) (nmpd|SPy1751|fabK; 326205)	9	0.39628483	4687659.923	458167.4446	3	11	2896022.062	422873.597	3	10	530989.4269	70139.03429	3	7	3102707.669	1372820.585	6	25	1102086.321	268569.7414	3	8	1	1
Aminopeptidase C (EC 3.4.22.40) (nmpd|SPy1651|pepC; 515675)	9	0.24494382	9490891.758	928202.0284	3	23	5336978.509	788723.4991	3	19	8538729.342	1387097.784	3	21	7055540.917	4255356.559	6	47	1041592.389	708588.6459	3	11	1	1
Protein phosphatase 2C (EC 3.1.3.16) (nmpd|SPy1626|pppL; 326101)	9	0.43495935	3114059.924	1941031.734	3	15	1482236.467	683919.0266	3	15	2162931.214	643273.7926	3	13	3089644.879	564403.6594	6	36	2931070.767	2375710.53	3	10	1	1
GTP-binding protein TypA 2FBipA (nmpd|SPy1527|; 325995)	9	0.194127243	2162170.404	515050.2304	3	15	2466818.494	124247.1893	3	18	2578715.704	464278.0493	3	21	1928687.514	320703.5719	6	34	1471091.553	142085.6626	3	9	1	1
General stress protein 2C Gls24 family (nmpd|SPy1260|; 325679)	9	0.625766871	23633422	1919527.711	3	20	8567830.967	2143301.348	3	16	12928040.15	1084477.559	3	15	18010360.16	3766623.566	6	36	22367706.48	4058557.824	3	21	1	1
Phosphate transport system regulatory protein PhoU (nmpd|SPy1240|phoU; 515102)	9	0.359447005	1141052.983	229808.3293	3	11	367288.4372	223276.357	3	6	1352004.556	384307.929	3	8	716537.2797	374197.5293	6	18	360481.0017	73227.67035	3	3	1	1
Signal recognition particle 2C subunit Ffh SRP54 (TC 3.A.5.1.1) (nmpd|SPy1200|; 515093)	9	0.292870906	797520.2101	153844.1838	3	13	296994.0733	139946.2365	3	7	886699.4766	374559.2966	3	17	548528.2186	474388.3014	6	25	85728.61856	0	1	1	1	1
DNA topoisomerase I (EC 5.99.1.2) (nmpd|SPy1164|topA; 515535)	9	0.186177715	242583.3901	22182.3094	2	4	149248.4144	49294.86564	2	3	196742.9757	6480.654806	2	5	47489.19742	14605.99962	2	2	0	0	0	0	1	1
Dihydrolipoamide acetyltransferase component (E2) of acetoin dehydrogenase complex (EC 2.3.1.-) (nmpd|SPy1029|acoC; 515218)	9	0.309168443	998965.5266	273887.6094	3	13	685043.9884	230261.7315	3	9	1078189.668	1140459.018	3	11	658029.2125	662284.0137	5	14	240999.5761	0	1	1	1	1
2-dehydropantoate 2-reductase (EC 1.1.1.169) (nmpd|SPy0852|apbA; 515255)	9	0.413680782	7716528.266	912714.0396	3	21	8055244.581	1972495.713	3	21	10164010.05	1310421.495	3	21	5793213.991	1884166.818	6	38	3498277.412	801718.5693	3	14	1	1
RNA polymerase sigma factor RpoD (nmpd|SPy0782|rpoD; 325336)	9	0.368563686	2905691.435	603765.981	3	17	3084729.097	902086.4889	3	16	3199078.741	466381.0348	3	16	2362322.976	1103251.078	6	40	1456918.287	215850.0598	3	8	1	1
LSU ribosomal protein L19p (nmpd|SPy0724|rplS; 325290)	9	0.652173913	36622886.54	6959254.099	3	27	48899945.99	4397260.408	3	25	39001349.41	5594238.216	3	27	24285032.73	6435349.151	6	54	5677273.757	2969591.126	3	17	1	1
Threonyl-tRNA synthetase (EC 6.1.1.3) (nmpd|SPy0517|thrS; 515655)	9	0.180834621	3965037.275	254490.4737	3	13	3135730.467	114312.0908	3	17	4293449.616	665469.7049	3	17	2551855.065	1135911.746	6	26	850368.5975	340648.0412	3	8	1	1
LSU ribosomal protein L11p (L12e) (nmpd|SPy0460|rplK; 350748)	9	0.425531915	45430068.99	7378208.622	3	21	48798192.1	3395024.041	3	19	37034101.59	3349313.011	3	21	29839036.41	2992019.361	6	35	47252590.54	8501602.619	3	13	1	1
Uracil phosphoribosyltransferase (EC 2.4.2.9) (nmpd|SPy0392|; 325072)	9	0.473684211	7346366.9	2772182.442	3	17	4856083.957	572135.4561	3	15	7420695.579	1174354.901	3	15	5544494.322	1400699.019	6	29	3468863.855	2528543.653	3	11	1	1
GTP-binding protein EngA (nmpd|SPy0341|pgdA; 325034)	9	0.26146789	318048.0537	97214.53679	3	7	346100.5142	42052.52086	3	10	332726.3577	89146.88636	3	8	215378.6723	150208.4985	6	13	0	0	0	0	1	1
Transcription antitermination protein NusG (nmpd|SPy0164|nusG; 515083)	9	0.525139665	4851407.745	663910.4949	3	14	5389812.084	470280.2797	3	17	4436349.745	433918.2016	3	14	3681125.717	605642.9206	6	25	5707505.861	255437.1489	3	16	1	1
Acetate kinase (EC 2.7.2.1) (nmpd|SPy0109|ackA; 514946)	9	0.319095477	1979332.738	551114.4222	3	12	1788578.554	378580.8731	3	14	3071879.958	1580239.672	3	14	1746769.474	1187343.997	6	22	605420.9024	194499.6906	3	3	1	1
Biotin carboxylase of acetyl-CoA carboxylase (EC 6.3.4.14) (nmpd|SPy1745|accC; 515236)	8	0.27092511	759112.3235	166350.4352	3	11	1301924.545	900915.7772	3	11	2081715.74	664695.5475	2	3	2283229.987	760692.1986	6	24	2284580.509	283953.2908	2	3	1	1
L-serine dehydratase 2C alpha subunit (EC 4.3.1.17) (nmpd|SPy2190|sdhA; 514970)	8	0.420689655	895877.3303	331233.455	3	7	542871.8488	186273.8253	3	8	1026107.783	513980.5524	3	10	497930.6065	336587.8898	6	18	333573.0697	73000.64798	3	4	1	1
RecA protein (nmpd|SPy2116|recA; 514833)	8	0.267195767	2701114.911	384307.0647	3	9	945135.3616	119720.3773	3	9	4279743.452	974281.3797	3	17	3119088.308	1264473.108	6	25	1172460.511	201228.4367	3	3	1	1
Ribonucleotide reductase of class III (anaerobic) 2C large subunit (EC 1.17.4.2) (nmpd|SPy2110|nrdD; 326506)	8	0.143442623	135195.8501	0	1	1	23840.20146	12427.24732	2	2	85962.84147	0	1	2	74639.49825	46449.33136	2	3	0	0	0	0	1	1
SSU ribosomal protein S15p (S13e) (nmpd|SPy1955|rpsO; 520027)	8	0.348314607	23726813.8	5672530.64	3	18	31143886.57	2630432.6	3	15	23875404.46	2987096.372	3	16	18266115.02	3731985.361	6	31	6234775.876	1083271.262	3	10	1	1
SSU ribosomal protein S18p (nmpd|SPy1829|rpsR; 326281)	8	0.53164557	20564987.46	6752490.044	3	14	22644537.69	2941128.871	3	15	19599340.87	4743018.262	3	15	21706332.14	1516507.133	6	30	10490581.42	3437862.153	3	15	1	1
GTP-sensing transcriptional pleiotropic repressor codY (nmpd|SPy1777|codY; 515496)	8	0.369230769	1048284.795	183321.7556	3	11	1045342.298	68131.88061	3	12	1106842.399	270657.7372	3	13	1140862.006	542641.3426	6	29	224198.9453	57042.52845	3	4	1	1
ATP-dependent RNA helicase (nmpd|SPy1659|; 515207)	8	0.241610738	185254.3064	138330.6985	2	4	256541.0117	220968.6918	3	5	353709.8948	318468.1424	3	5	168289.9857	109787.6089	5	6	0	0	0	0	1	1
Glucokinase (EC 2.7.1.2) (nmpd|SPy1529|glcK; 515939)	8	0.340557276	1629248.579	228166.0735	3	12	548719.2826	164877.2613	3	8	1884155.896	374262.6924	3	15	1365233.73	647364.6909	6	28	593558.2887	175818.2479	3	5	1	1
S-adenosylmethionine synthetase (EC 2.5.1.6) (nmpd|SPy1359|metK; 515626)	8	0.311557789	997598.9266	474157.4464	3	10	740888.1578	54176.52186	3	13	1065599.48	187411.2618	3	15	708631.332	272960.6565	6	21	1614243.688	895329.7156	3	7	1	1
hypothetical protein SPy1343 [Streptococcus pyogenes M1 GAS] (ref|NP_269453.1|; 515708)	8	0.208494208	618158.4222	63119.40612	3	5	387095.6267	133902.3989	3	6	728353.5556	73705.59668	3	11	303121.111	126502.8466	4	8	142505.7464	0	1	1	1	1
GTP-binding protein LepA (nmpd|SPy1053|lepA; 514911)	8	0.196721311	232420.5526	56322.68776	3	3	189126.9141	41346.40574	3	5	134685.3784	56862.75522	3	4	312593.6527	182443.8037	5	15	0	0	0	0	1	1
Acetoin dehydrogenase E1 component alpha-subunit (EC 1.1.1.5) (nmpd|SPy1026|acoA; 514897)	8	0.301242236	3417815.229	39336.65725	3	10	1471586.125	2046192.052	3	4	1949095.822	2098914.724	3	12	4237941.268	757532.855	6	23	7395014.799	1711752.944	2	2	1	1
dTDP-4-dehydrorhamnose 3 2C5-epimerase (EC 5.1.3.13) (nmpd|SPy0935|cpsFP; 325480)	8	0.411167513	4062507.697	1114297.606	3	13	2557980.266	837052.9955	3	13	4715092.703	857046.6196	3	18	4912696.29	1046055.979	6	39	4512703.273	777561.0337	3	12	1	1
Rhodanese-related sulfurtransferases (nmpd|SPy0915|; 514878)	8	0.289634146	1115050.55	369595.1976	3	12	656201.0914	145752.0165	3	5	894676.9565	211109.9231	3	14	521637.1824	166725.9497	6	22	1124637.823	171656.6581	2	9	1	1
Topoisomerase IV subunit A (EC 5.99.1.-) (nmpd|SPy0910|parC; 514844)	8	0.146520147	194614.6624	59249.38924	3	7	35866.77094	4542.367785	2	2	119085.5413	18224.14707	3	7	111323.4255	75725.2476	5	8	0	0	0	0	1	1
Purine nucleoside phosphorylase (EC 2.4.2.1) (nmpd|SPy0894|deoD2; 515261)	8	0.421940928	3491145.282	593165.2933	3	17	3994842.75	895665.4478	3	21	3482539.47	383499.6755	3	18	2231340.972	564489.4171	6	31	1509963.332	609109.5913	3	10	1	1
GTP-binding protein EngB (nmpd|SPy0886|; 520042)	8	0.497487437	299328.1157	31547.36289	3	7	218778.7851	111729.9698	3	6	594185.9104	256717.8421	3	13	644953.6111	169180.0162	6	31	352223.1852	191424.2642	3	6	1	1
Tagatose-6-phosphate kinase (EC 2.7.1.144) 2F 1-phosphofructokinase (EC 2.7.1.56) (nmpd|SPy0854|fruB; 515190)	8	0.353135314	1406443.518	155990.309	3	10	716256.2487	175706.0257	3	10	879626.8332	249339.0163	3	11	547786.0069	220111.2856	6	16	959555.4307	136347.3137	3	7	1	1
dTDP-4-dehydrorhamnose reductase (EC 1.1.1.133) (nmpd|SPy0784|rmlD; 515124)	8	0.362676056	536995.0587	359888.3788	3	7	582056.1537	4429.218665	2	5	805339.5878	246556.4539	3	12	628210.3898	280488.1929	6	23	222819.3662	142292.4639	3	3	1	1
UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (nmpd|SPy0763|; 325320)	8	0.24822695	1575715.212	399647.356	3	14	1367484.502	357953.6202	3	11	1765743.681	423148.4303	3	14	996581.5636	448996.5819	6	16	364867.2749	0	1	2	1	1
ATP synthase gamma chain (EC 3.6.3.14) (nmpd|SPy0759|atpG; 325316)	8	0.302405498	1784001.63	157363.8518	3	15	358831.8887	156546.87	3	10	1323285.512	53494.96458	3	19	991459.6642	293433.2355	6	32	1708100.819	251806.5338	3	14	1	1
Septation ring formation regulator ezrA (nmpd|SPy0728|; 515295)	8	0.174216028	532904.3042	374663.4617	3	7	263046.4909	186306.4146	2	4	605774.198	378530.4177	3	9	474472.205	330397.948	6	18	0	0	0	0	1	1
Signal recognition particle receptor protein FtsY (3Dalpha subunit) (TC 3.A.5.1.1) (nmpd|SPy0569|ftsY; 325215)	8	0.213178295	620244.0294	247659.0397	3	11	301235.6959	124745.2774	3	7	600522.377	297752.9319	3	11	560636.3651	304727.1361	6	22	401430.472	13148.73661	2	4	1	1
N-terminal fragment of SPy0560 (nmpd|SPy0560|; 515272)	8	0.25058548	155997.2741	73750.22593	2	4	53820.19079	0	1	1	126629.4754	60472.49174	3	6	61127.32679	29097.54021	3	3	0	0	0	0	1	1
N-acetylglucosamine-1-phosphate uridyltransferase (EC 2.7.7.23) 2F Glucosamine-1-phosphate N-acetyl (nmpd|SPy0443|gcaD; 515363)	8	0.186956522	557782.7648	238180.1721	3	9	714949.0816	78207.48392	3	12	840616.4703	143671.5561	3	12	637893.3267	257132.7922	6	24	129480.9126	16186.3958	2	2	1	1
Methionyl-tRNA synthetase (EC 6.1.1.10) (nmpd|SPy0422|metS; 514957)	8	0.174174174	217325.2506	0	1	2	109661.9094	88404.42415	2	2	45202.30541	2269.704262	2	2	113029.6124	101620.9914	5	9	0	0	0	0	1	1
Cytoplasmic membrane protein LemA (nmpd|SPy0330|lemA; 325026)	8	0.491891892	1468620.457	206974.0659	3	9	547864.7098	315126.4508	3	8	994499.5778	266425.741	3	10	400585.533	230240.0114	6	14	1108113.343	447655.864	3	4	1	1
Chaperonin (heat shock protein 33) (nmpd|SPy0123|; 514889)	8	0.413793103	722915.6839	369671.7473	3	10	301157.3346	213967.1395	3	6	629444.5005	197775.3099	3	9	623319.1902	164801.44	6	23	614196.7706	208636.6875	2	5	1	1
LSU ribosomal protein L30p (L7e) (nmpd|SPy0071|rpmD; 324833)	8	0.666666667	6656960.643	5178296.295	3	13	7312292.367	1646708.229	3	11	4908134.031	1523652.155	3	11	3195564.078	721225.0544	6	25	3274671.85	408798.8836	3	10	1	1
LSU ribosomal protein L14p (L23e) (nmpd|SPy0061|; 324825)	8	0.5	17539082.63	7564986.503	3	13	31592295.63	5231042.197	3	13	19008974.77	5434462.003	3	13	11553502.88	2575716.043	6	25	6166148.088	4111247.991	3	10	1	1
LSU ribosomal protein L16p (L10e) (nmpd|SPy0057|rplP; 324822)	8	0.423357664	7918899.55	2023506.286	3	12	19676568.1	8448541.579	3	14	20109126.22	3818218.792	3	15	14948137.48	3897534.937	6	29	7499946.004	1421818.418	3	11	1	1
LSU ribosomal protein L3p (L3e) (nmpd|SPy0049|rplC; 514900)	8	0.389423077	33338856.85	12046928.99	3	20	47699917.42	8140393.411	3	17	36985434.68	7711864.69	3	17	26094665.35	6824739.904	6	36	3881856.328	2064337.01	3	12	1	1
DNA polymerase III beta subunit (EC 2.7.7.7) (nmpd|SPy0003|dnaN; 520029)	8	0.251322751	1251930.008	220253.8034	3	6	720093.447	100634.9808	3	7	955736.2272	751562.8383	3	10	744739.6166	559676.2187	6	14	229554.5374	43075.30856	3	4	1	1
Peptide chain release factor 1 (nmpd|SPy1141|prfA; 514901)	7	0.295264624	193349.4263	114766.8059	2	3	139044.9553	0	1	1	184998.6015	60666.42274	3	5	220596.322	88817.82979	6	13	226526.6315	8298.110443	2	2	1	1
UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) (nmpd|SPy0224|hasC.2; 520036)	7	0.37458194	138410.7768	85838.36266	3	4	102323.4366	63455.88771	3	4	202913.8253	149134.8202	3	5	437307.6425	270015.812	5	15	123221.974	0	1	1	1	1
Aspartyl-tRNA synthetase (EC 6.1.1.12) (nmpd|SPy2156|aspS; 514870)	7	0.154639175	1665574.945	488289.5847	3	10	1355211.208	189368.1201	3	10	1460842.435	370138.8132	3	9	1068909.375	711398.3614	6	16	256631.6858	106371.1038	2	3	1	1
C5a peptidase precursor (EC 3.4.21.-) (nmpd|SPy2010|scpA; 386423)	7	0.096528366	58423.29919	0	1	1	315889.6968	217763.1757	2	6	0	0	0	0	187382.6121	97673.85907	6	16	0	0	0	0	1	1
SSU ribosomal protein S9p (S16e) (nmpd|SPy1931|rpsI; 326368)	7	0.346153846	86195501.09	9031553.216	3	14	74591090.99	1719025.144	3	13	58884484.37	11423577.19	3	13	62953158.35	5543648.11	6	29	67259521.39	10761957.99	3	12	1	1
C3-degrading proteinase (nmpd|SPy1851|; 515300)	7	0.372	661096.6626	474559.7147	3	6	171701.4764	123503.0785	3	5	874029.0243	138847.2274	3	8	355170.6368	236069.6282	4	7	730990.9468	269980.9657	3	4	1	1
hypothetical protein SPy1780 [Streptococcus pyogenes M1 GAS] (ref|NP_269794.1|; 515442)	7	0.488095238	4740332.541	575218.026	3	14	766395.9029	91941.64842	3	12	3634406.266	434971.0558	3	13	2332179.026	1015263.842	6	27	1959064.935	234486.4528	3	11	1	1
(3R)-hydroxymyristoyl- 5Bacyl carrier protein 5D dehydratase (EC 4.2.1.-) (nmpd|SPy1746|fabZ; 343042)	7	0.460431655	1809221.716	713491.9758	3	12	839221.3778	578697.7681	3	10	54908.61895	0	1	1	1395192.935	672275.1026	6	25	2262532.633	400748.7763	3	11	1	1
PTS system 2C mannose-specific IID component (EC 2.7.1.69) (nmpd|SPy1740|manN; 514949)	7	0.217821782	1700932.685	1245167.96	3	9	3436664.254	1037844.839	3	18	3309091.602	913214.71	3	19	2351189.864	1494871.885	6	34	411339.314	28699.1637	3	5	1	1
DegV family protein (nmpd|SPy1698|; 515103)	7	0.267857143	361906.783	295616.4102	3	6	912311.1143	201904.5433	3	9	86587.95967	6750.536003	2	2	862252.1736	516815.3774	6	14	111701.8002	0	1	1	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1633|; 326107)	7	0.186915888	495063.9048	203344.0383	3	7	385619.7287	173597.6972	3	6	332508.966	93408.16314	3	9	288627.1234	118576.3821	6	12	119602.3127	10953.93749	2	2	1	1
Ribosome-associated factor Y (nmpd|SPy1613|; 326090)	7	0.434065934	6237138.663	1312023.655	3	15	974693.7861	136585.6566	3	7	3225398.552	314865.1497	3	16	4290418.937	527701.1856	6	34	8073727.007	904573.3009	3	13	1	1
putative phosphomannomutase (nmpd|SPy1503|; 325974)	7	0.184397163	317085.3997	33540.30489	3	7	0	0	0	0	137849.1046	14833.49095	3	4	48025.85293	17304.71372	4	4	0	0	0	0	1	1
Methionine aminopeptidase (EC 3.4.11.18) (nmpd|SPy1354|; 515847)	7	0.370629371	4943277.106	888767.2809	3	12	2305560.684	383181.0606	3	12	5952755.459	305090.2285	3	14	3298759.285	459472.7451	6	24	4073617.641	259971.5664	3	6	1	1
Maltose/maltodextrin ABC transporter/ substrate binding periplasmic protein MalE (nmpd|SPy1294|malE; 514910)	7	0.281927711	228198.5752	127548.9168	3	4	86543.61854	7508.034621	2	2	144282.2822	0	1	2	110493.7736	66053.09112	3	4	0	0	0	0	1	1
tRNA 3Am(5)U-54 MTase gid (nmpd|SPy1173|; 515507)	7	0.238839286	102923.9454	65197.80893	3	4	58803.68627	22947.161	3	3	163007.3572	33266.59873	2	5	93304.09272	45736.96789	4	6	0	0	0	0	1	1
DNA gyrase subunit A (EC 5.99.1.3) (nmpd|SPy1152|gyrA; 515529)	7	0.146135266	418110.3713	79556.36168	3	6	236840.6998	40302.75502	3	4	429143.5147	66579.30778	2	5	290404.8445	128622.7685	5	9	67365.83888	0	1	1	1	1
Dihydropteroate synthase (EC 2.5.1.15) (nmpd|SPy1098|folP; 515924)	7	0.379699248	0	0	0	0	0	0	0	0	404794.8969	406879.3628	3	7	195704.8173	156018.3993	6	13	135051.4138	0	1	1	1	1
Zn-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy1020|; 515868)	7	0.141048825	973635.5042	323809.1843	3	16	808235.7717	309885.4501	3	12	1031797.872	183935.5599	3	16	583665.9392	319257.4197	6	30	182993.6051	23474.6523	2	4	1	1
TPR-repeat-containing protein (nmpd|SPy1012|; 515317)	7	0.212048193	6406115.837	3448261.781	3	5	8294730.336	6836034.589	3	6	11156556.68	2751798.104	3	6	13960998.79	3369585.055	6	12	18212441.33	2040061.107	3	3	1	1
Ribonuclease Z (EC 3.1.26.11) (nmpd|SPy0924|; 515762)	7	0.262135922	558360.392	346692.0768	3	6	300008.0761	89920.64869	3	6	150266.193	95742.1921	3	3	303551.6379	220280.0925	6	12	926046.3427	19572.77194	2	6	1	1
Branched-chain amino acid aminotransferase (EC 2.6.1.42) (nmpd|SPy0911|bcaT; 515274)	7	0.305882353	8328203.334	1683609.304	3	18	5832208.836	1517799.699	3	16	7634437.966	665869.0653	3	19	9564330.735	1301644.878	6	39	7204372.521	1870907.14	3	13	1	1
Uracil phosphoribosyltransferase (EC 2.4.2.9) 2F Pyrimidine operon regulatory protein pyrR (nmpd|SPy0830|pyrR; 520032)	7	0.335260116	938605.3701	251424.8563	3	8	306846.3675	121073.1681	3	7	808889.0362	163667.7438	3	8	724881.9152	206083.0237	6	22	886802.9151	122985.2174	2	7	1	1
LSU ribosomal protein L20p (nmpd|SPy0806|rplT; 325357)	7	0.470588235	34290370.72	6115593.836	3	17	35451521.57	4217722.871	3	19	32190940.2	772124.0723	3	19	28748977.51	916343.0728	6	38	28472605.11	6240939.678	3	12	1	1
Calcium-transporting ATPase (EC 3.6.3.8) (nmpd|SPy0623|pacL; 514840)	7	0.113101904	507022.9353	215480.3356	3	6	390572.3404	109584.3248	3	8	798113.9365	170284.0954	3	11	427928.4996	312509.835	6	15	0	0	0	0	1	1
Xaa-Pro dipeptidase (EC 3.4.13.9) (nmpd|SPy0513|pepQ; 325169)	7	0.249307479	547134.3668	207641.8456	3	5	305104.6844	59382.91393	3	7	778269.6666	82605.32724	3	9	544239.8114	320774.6995	6	17	301310.8569	22735.12582	2	2	1	1
Manganese ABC transporter, periplasmic-binding protein SitA/MtsA (nmpd|SPy0453|mtsA; 514856)	7	0.222580645	7752654.691	398640.6691	3	15	3810740.701	607641.5352	3	15	6481793.438	749284.7197	3	16	5190529.123	1935467.516	6	32	4795699.473	140864.8013	3	9	1	1
Transcription elongation factor GreA (nmpd|SPy0349|greA; 325040)	7	0.4375	4299225.026	840065.2521	3	11	6315247.301	1404574.286	3	16	4726997.573	797128.9998	3	15	4854278.688	938080.3864	6	28	8132280.678	2752419.43	3	12	1	1
ABC transporter 2C substrate-binding protein (nmpd|SPy0317|; 515645)	7	0.414285714	1132995.29	583013.999	3	10	962534.2978	283116.3057	3	11	1808028.072	380696.859	3	12	1218190.292	580267.2436	6	23	419574.1245	140666.7716	2	3	1	1
Glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) (nmpd|SPy0316|; 515227)	7	0.357142857	12647481.98	4323214.051	3	18	7036284.909	491016.2219	3	14	10993348.55	1035108.081	3	18	9109838.607	764282.0703	6	33	19515119.34	2574289.578	3	14	1	1
SSU ribosomal protein S12p (S23e) (nmpd|SPy0271|rpsL; 324983)	7	0.328467153	29373509.5	5766477.788	3	13	23529055.98	3265569.434	3	12	25991670.7	1249944.941	3	12	21548022.87	1843390.386	6	24	9301420.969	3795110.312	3	8	1	1
CMP-binding factor (nmpd|SPy0267|; 515778)	7	0.278846154	1735586.89	694171.3536	3	10	1011148.298	132613.5447	3	10	1886059.099	105002.3553	3	15	1005328.056	341372.2483	6	22	343799.6619	134796.0842	3	3	1	1
Glutamyl aminopeptidase (EC 3.4.11.7) (nmpd|SPy0115|pepA; 515305)	7	0.377464789	284872.3719	46580.21663	3	6	405246.8429	292642.1379	3	5	940101.0295	209448.9066	3	9	786792.2615	222870.14	6	16	225714.0538	0	1	1	1	1
Tyrosyl-tRNA synthetase (EC 6.1.1.1) (nmpd|SPy0096|tyrS; 515444)	7	0.232057416	914257.3383	132483.0641	3	7	603489.7204	221011.5293	3	6	1007349.296	266893.9842	3	10	671525.2891	216398.6435	6	19	241882.972	87754.43296	2	2	1	1
LSU ribosomal protein L15p (L27Ae) (nmpd|SPy0072|rplO; 324834)	7	0.410958904	136276204.9	4719997.553	3	12	86838977	14967852.23	3	9	101479504.9	305289.8559	3	12	72842515.34	21086138.74	6	19	95159506.63	19918410.25	3	10	1	1
LSU ribosomal protein L24p (L26e) (nmpd|SPy0062|rplX; 350744)	7	0.594059406	35588467.14	1670761.965	3	19	44537283.59	7311291.739	3	21	31411335.93	3784436.578	3	18	21026392.62	4392002.623	6	33	22624839.62	2565986.474	3	17	1	1
SSU ribosomal protein S17p (S11e) (nmpd|SPy0060|rpsQ; 515158)	6	0.255813953	6230693.633	3589479.351	3	12	5182218.56	998041.4169	3	12	5922581.207	3697854.415	3	12	2063630.876	885293.9398	6	19	1126323.245	416627.8487	3	5	1	1
tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase (EC 2.1.1.61) (nmpd|SPy2188|; 515063)	6	0.28150134	193528.4779	62162.70304	3	5	300672.5316	148844.2398	3	6	491965.4053	128014.8232	3	6	311719.66	98897.39606	6	12	90340.50278	0	1	1	1	1
Histidyl-tRNA synthetase (EC 6.1.1.21) (nmpd|SPy2157|hisS; 515412)	6	0.190140845	180099.6122	23377.3792	2	4	114390.4854	111554.8244	3	5	115066.8243	0	1	2	98487.12502	84217.06918	5	9	36035.35069	0	1	1	1	1
Major cold-shock protein (nmpd|SPy2077|; 344022)	6	0.626865672	61570815.58	13473630.38	3	10	80044643.46	9550438.917	3	7	47374091.78	2393036.495	3	8	42362408.71	1220515.673	6	13	132155212.3	22622885.47	3	7	1	1
Streptococcal inhibitor of complement (SIC) (nmpd|SPy2016|sic; 386421)	6	0.353896104	0	0	0	0	3491867.358	489133.8066	3	8	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy2005|; 326429)	6	0.621212121	12925903.01	6834040.574	3	9	14233991.75	3087092.517	3	13	11785106.88	6007389.672	3	12	16987974.46	3736331.562	6	25	39151303.62	1916999.438	3	11	1	1
Deoxyribose-phosphate aldolase (EC 4.1.2.4) (nmpd|SPy1867|deoC; 515647)	6	0.331838565	1380833.043	933298.8765	3	8	1465528.397	113693.112	3	10	1535567.825	375586.7249	3	8	1708239.694	582244.87	6	18	6192171.231	411239.5442	3	11	1	1
Single-stranded DNA-binding protein (nmpd|SPy1830|; 326282)	6	0.466257669	581320.4486	235949.2021	3	4	2172708.473	206505.4973	3	11	1604071.239	936414.7282	3	9	2177167.873	504595.5334	6	26	2135990.929	229212.2053	3	7	1	1
Translation elongation factor P 3B Translation initiation factor 5A (nmpd|SPy1821|; 326255)	6	0.454054054	11496353.84	2641510.847	3	12	10423042.63	443421.3012	3	9	13314453.75	1714123.604	3	13	11752363.08	1442220.048	6	32	7520163.416	4534454.374	3	8	1	1
Heat shock protein GrpE (nmpd|SPy1761|grpE; 326212)	6	0.357894737	10624821.49	1919922.966	3	11	6206337.151	369803.8195	3	10	8842356.073	1250217.748	3	11	7628895.671	1370571.728	6	22	12573937.61	2370188.276	3	14	1	1
Acetyl-coenzyme A carboxyl transferase alpha chain (EC 6.4.1.2) (nmpd|SPy1743|accA; 515698)	6	0.25390625	359977.5833	63726.5621	3	5	104264.0854	128087.862	2	3	239647.8066	16893.82615	2	2	652780.6028	321693.2423	6	16	363110.2706	158782.3778	2	3	1	1
Glycyl-tRNA synthetase alpha chain (EC 6.1.1.14) (nmpd|SPy1689|glyQ; 515355)	6	0.259016393	2329173.136	726734.1073	3	14	2221180.891	513157.0043	3	12	3449276.374	475608.793	3	13	2256786.687	637705.5578	6	25	904606.5029	50248.90702	2	8	1	1

Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) 3B Penicillin-binding prote (nmpd|SPy1649|pbp1A; 515512)	6	0.162274619	80460.967	13884.94908	2	2	47529.62874	13193.72131	3	3	125009.3648	33772.28222	2	3	133985.1417	85962.6298	5	6	0	0	0	0	1	1
Serine 2Fthreonine protein kinase (EC 2.7.1.37) (nmpd|SPy1625|; 515677)	6	0.136075949	60602.47296	34104.05004	2	2	86908.81797	51174.83347	2	3	75434.16764	9804.365415	3	5	101287.5592	23228.08864	4	7	0	0	0	0	1	1
Dihydroorotate dehydrogenase 2C catalytic subunit (EC 1.3.3.1) (nmpd|SPy1432|pyrD; 514882)	6	0.257234727	2512421.276	984365.0901	3	11	3188087.284	369337.0646	3	13	2980255.66	1051942.924	3	14	1266957.802	243537.8733	6	22	3729110.392	685835.7105	3	9	1	1
Ribonucleotide reductase of class Ib (aerobic) 2C beta subunit (EC 1.17.4.1) (nmpd|SPy1378|nrdF.2; 515382)	6	0.188087774	890879.3633	563736.4666	3	8	605177.7019	1899.037701	2	7	1616131.87	237278.4354	3	12	1317435.402	357394.1025	6	24	895032.6031	197644.5523	2	5	1	1
Phosphocarrier protein of PTS system (nmpd|SPy1373|ptsH; 325814)	6	0.574712644	176057436	2936564.921	3	8	148214885.8	16755750.72	3	8	153067598.2	11016803.26	3	9	155433540	7343167.255	6	17	208795617	10331938.19	3	6	1	1
hypothetical protein (nmpd|SPy1157|; 515829)	6	0.491803279	1259541.638	89315.87902	3	7	132675.4756	7836.345604	2	2	856311.3959	144471.3927	3	6	1017062.248	276482.3812	5	9	2250739.646	70723.40942	3	3	1	1
PTS system 2C mannose 2Ffructose family IIB component (nmpd|SPy1058|; 514995)	6	0.472392638	274844.9811	22297.63345	3	7	0	0	0	0	295965.3269	103254.1297	3	5	196113.0754	74786.65318	6	11	327286.4412	131087.1355	3	6	1	1
Orotate phosphoribosyltransferase (EC 2.4.2.10) (nmpd|SPy0901|pyrE; 515249)	6	0.363636364	804162.8612	331445.7919	3	10	941114.3277	248490.2651	3	11	2275400.488	537897.4538	3	13	1267872.429	672033.3537	6	27	96660.91037	0	1	1	1	1
Carbamoyl-phosphate synthase small chain (EC 6.3.5.5) (nmpd|SPy0833|carA; 325379)	6	0.241666667	509228.9302	69920.9066	3	9	251341.0623	24633.66919	3	7	858398.0973	256826.728	3	11	362053.1769	167602.5151	6	12	299246.672	8346.662766	2	4	1	1
Glutathione reductase (EC 1.8.1.7) (nmpd|SPy0813|; 514988)	6	0.182222222	119685.3097	82700.55269	2	2	126393.6892	29069.61627	3	3	53790.00856	3689.760286	2	2	70518.02416	25904.35296	5	5	0	0	0	0	1	1
Dipeptidase (EC 3.4.-.-) (nmpd|SPy0713|pepD; 515606)	6	0.180084746	3808885.739	80001.428	3	9	1691522.875	570989.0787	3	7	4568941.179	198586.1715	3	12	1521121.91	652983.0408	6	17	1324459.007	294212.1294	3	6	1	1
HPr kinase 2Fphosphorylase (EC 2.7.1.-) (EC 2.7.4.-) (nmpd|SPy0584|ptsK; 515298)	6	0.209677419	352730.4284	307127.6203	3	6	31093.34916	0	1	1	235486.2741	210576.3	3	7	246122.5578	110240.4613	6	13	492302.9627	472385.6204	3	5	1	1
Catabolite control protein A (nmpd|SPy0514|ccpA; 515185)	6	0.225225225	1337221.989	117509.6651	3	12	885849.4808	148252.8902	3	11	1256525.93	216078.6237	3	11	819713.9258	319758.5658	6	21	614951.5566	28219.6262	2	5	1	1
GTP-binding protein Era (nmpd|SPy0476|; 515427)	6	0.322147651	93588.61924	14774.65444	2	3	49201.09548	4872.007239	2	2	85402.93689	40767.43163	3	4	74822.75649	48622.10893	5	6	0	0	0	0	1	1
Exodeoxyribonuclease III (EC 3.1.11.2) (nmpd|SPy0412|exoA; 515437)	6	0.381818182	206917.5784	86873.28423	2	3	74679.40166	11840.82477	3	4	322076.3898	87934.10933	3	7	167945.9487	151193.5469	4	6	168498.6042	0	1	1	1	1
Potassium uptake protein KtrA (nmpd|SPy0326|; 325023)	6	0.379464286	329357.2033	208744.5193	3	7	214485.6959	123006.172	3	8	461093.2902	11696.80304	3	10	468031.6738	69269.95184	6	21	135960.961	21864.80376	2	2	1	1
Iron-sulfur cluster assembly protein SufB (nmpd|SPy0290|; 515900)	6	0.177966102	0	0	0	0	42569.63783	10275.65703	2	2	75521.1344	32253.27029	2	3	50561.58017	17367.87419	4	5	0	0	0	0	1	1
tRNA-guanine transglycosylase (EC 2.4.2.29) (nmpd|SPy0203|; 514852)	6	0.260526316	260148.0304	95096.32439	3	6	390852.6036	127198.071	3	10	541012.4945	33642.48652	3	9	224033.1612	57382.108	5	11	353336.3782	395441.2804	2	2	1	1
SSU ribosomal protein S11p (S14e) (nmpd|SPy0078|rpsK; 350747)	6	0.417322835	36502339.27	3595741.758	3	10	36767785.8	5683293.475	3	8	30332970.27	3675517.854	3	11	27053606.5	2224879.103	6	21	16271272.61	4536415.243	3	9	1	1
LSU ribosomal protein L18p (L5e) (nmpd|SPy0067|rplR; 350745)	6	0.576271186	41481975.97	7064113.858	3	7	37600878.14	3210589.728	3	6	28115430.5	3597700.614	3	6	22985408.17	2743111.502	6	11	26021505.17	3717505.853	3	6	1	1
SSU ribosomal protein S10p (S20e) (nmpd|SPy0047|rpsJ; 324814)	6	0.588235294	62503648.25	5904310.926	3	15	61186635.24	9559061.868	3	12	49576850.2	5757641.339	3	14	38026304.41	3996269.924	6	27	33584501.46	8098358.635	3	11	1	1
Heat shock protein 60 family co-chaperone GroES (nmpd|SPy2072|groES; 348631)	5	0.520833333	2982978.865	2082919.514	3	10	2448035.718	367863.2587	3	7	3480364.109	896176.8778	3	9	3111555.286	367711.0884	6	17	7370284.468	1199568.708	3	9	1	1
Glycerol dehydrogenase (EC 1.1.1.6) (nmpd|SPy2047|gldA; 515636)	5	0.215469613	117186.7677	48196.31814	2	3	46451.84308	5885.250392	2	3	100689.8734	51684.19879	3	4	122267.0491	34855.35914	6	11	0	0	0	0	1	1
Multiple sugar ABC transporter 2C ATP-binding protein (nmpd|SPy1976|msmK; 515650)	5	0.201591512	177305.5246	32488.57769	3	4	82388.44579	45302.23749	2	3	111175.2499	20134.6878	3	6	61590.1525	13995.4421	6	7	195132.1152	0	1	1	1	1
Thioredoxin (nmpd|SPy1835|; 515872)	5	0.625	10124839.62	160651.7792	3	10	5226557.134	273634.0108	3	13	9836568.427	1306772.017	3	13	8034538.679	1688188.657	6	24	10828309	2995577.721	3	7	1	1
Trans-2 2Ccis-3-Decenoyl-ACP isomerase (nmpd|SPy1758|phaB; 515447)	5	0.216730038	463095.9496	126243.6287	2	6	71833.98332	39253.71755	3	4	0	0	0	0	228611.0094	222997.8304	6	10	53679.13663	0	1	1	1	1
Biotin carboxyl carrier protein of acetyl-CoA carboxylase (nmpd|SPy1747|accB; 520028)	5	0.536144578	1918863.097	2039723.7	3	5	1733018.999	413325.1066	3	6	215714	0	1	1	3143154.246	1889221.358	6	10	6964231.747	5587247.834	3	4	1	1
Ribosome-binding factor A (nmpd|SPy1719|rbfA; 514903)	5	0.338983051	315310.2747	147945.9369	3	6	268526.3026	104013.9342	3	6	261906.1638	100140.0836	2	4	410779.5728	120851.8704	6	15	876245.9945	169515.0276	3	8	1	1
ABC transporter ATP-binding protein - aspartate 2Fglutamate transport (nmpd|SPy1657|; 515008)	5	0.295546559	561055.0059	336760.1952	3	7	328158.9274	99895.488	3	6	624987.679	68443.60027	3	10	305713.5393	224869.5674	6	12	652707.4009	91043.40818	3	5	1	1
Hypothetical protein SPy1643 (nmpd|SPy1643|; 515071)	5	0.106339468	236091.0708	10282.4763	2	3	94605.80815	43634.86766	2	3	195848.4967	131578.0203	3	5	133073.9981	51104.15857	4	6	172871.5535	0	1	1	1	1
D-beta-hydroxybutyrate dehydrogenase (EC 1.1.1.30) (nmpd|SPy1640|; 515760)	5	0.239382239	38851.18444	15827.45835	2	2	0	0	0	0	98486.97302	17490.93238	2	4	77217.08087	30752.26131	5	7	175169.7772	0	1	1	1	1
hypothetical protein (nmpd|SPy1571|; 514956)	5	0.458015267	1253093.512	376148.4978	3	7	1745781.251	276265.3993	3	11	2185291.492	1190994.888	3	11	1163118.68	480395.6876	6	15	594846.7314	150934.8259	3	4	1	1
D-alanine--D-alanine ligase (EC 6.3.2.4) (nmpd|SPy1421|ddlA; 515256)	5	0.209770115	166476.0635	107448.3737	2	4	93052.67564	14661.88054	3	4	310480.6947	159505.1124	3	8	156436.8322	86091.66721	6	13	0	0	0	0	1	1
COG0536 3A GTP-binding protein Obg (nmpd|SPy1333|; 515814)	5	0.155606407	161177.309	75302.93052	3	5	268003.2576	40746.57812	3	7	316219.9137	67450.62074	3	8	136395.2131	70679.06759	6	9	0	0	0	0	1	1
D-alanine--poly(phosphoribitol) ligase subunit 1 (EC 6.1.1.13) (nmpd|SPy1312|dltA; 325762)	5	0.1484375	354022.0545	48712.07776	3	3	0	0	0	0	324093.5408	86410.49718	3	5	282538.1378	152994.1914	6	7	177812.1053	0	1	1	1	1
D-alanine--poly(phosphoribitol) ligase subunit 2 (EC 6.1.1.13) (nmpd|SPy1310|dltC; 325760)	5	0.506329114	10413833.7	7104732.465	3	8	6157427.334	4071983.632	3	8	9395311.907	555792.8702	3	12	12145860.65	1304920.951	6	23	21573981.94	4132869.036	3	10	1	1
Amino acid ABC transporter 2C amino acid-binding protein (nmpd|SPy1274|; 515107)	5	0.230215827	52244.37815	0	1	1	43598.84781	0	1	1	76139.97194	47209.83221	2	2	53696.50552	16822.31338	4	4	0	0	0	0	1	1
Phosphate transport ATP-binding protein pstB (TC 3.A.1.7.1) (nmpd|SPy1242|pstB2; 325661)	5	0.179775281	77144.35395	15290.38906	2	2	0	0	0	0	116344.1213	48534.75048	3	4	78964.70643	23373.60365	2	3	78693.05188	0	1	1	1	1
Redox-sensitive transcriptional regulator (AT-rich DNA-binding protein) (nmpd|SPy1120|; 325559)	5	0.242990654	185628.8661	85142.01221	3	4	150170.7	50128.56575	2	2	192343.0432	23237.87613	3	4	146479.1426	57489.30291	6	8	0	0	0	0	1	1
Oxygen-insensitive NAD(P)H nitroreductase (EC 1.-.-.-) 2F Dihydropteridine reductase (EC 1.6.99.7) (nmpd|SPy1069|; 515617)	5	0.32	1362867.919	468124.6572	3	10	948897.0706	288744.7938	3	9	2069942.118	96854.10323	3	12	1717488.282	297690.8517	6	24	1997067.503	331233.5187	3	10	1	1
Adenine phosphoribosyltransferase (EC 2.4.2.7) (nmpd|SPy0927|; 325473)	5	0.348837209	1390157.313	312959.2234	3	10	1155911.793	225764.1144	3	10	1552138.85	271426.1047	3	11	1262890.857	404011.3894	6	25	630249.322	158724.4388	2	5	1	1
Orotidine 5'-phosphate decarboxylase (EC 4.1.1.23) (nmpd|SPy0900|pyrF; 515506)	5	0.317391304	445620.488	95532.6401	2	5	266842.2974	61615.71509	3	7	646903.8645	64350.88373	3	9	343421.8258	160283.4814	6	16	108374.7048	18110.12722	2	2	1	1
periplasmic component of efflux system (nmpd|SPy0836|; 515348)	5	0.19858156	537141.8	199833.0726	3	5	53108.8055	0	1	1	135085.7444	58758.87464	2	2	110413.7269	119400.4678	5	6	114456.4933	0	1	1	1	1
Phosphoglycerol transferase (nmpd|SPy0807|; 411637)	5	0.112771739	150091.3852	39722.17059	2	2	61928.03522	0	1	1	102844.5089	24205.11411	2	2	99191.50477	31191.37427	3	3	54594.09463	0	1	1	1	1
Translation initiation factor 3 (nmpd|SPy0804|infC; 325355)	5	0.301136364	2454424.793	297031.7549	3	13	2377240.298	685238.6267	3	16	2459677.43	134134.6292	3	15	1873607.22	555455.5123	6	27	837929.42	28084.87096	3	5	1	1
ATP synthase B chain (EC 3.6.3.14) (nmpd|SPy0756|atpF; 515870)	5	0.359756098	871897.1702	57141.36797	3	7	543182.0686	16019.90608	3	7	760090.2663	231171.5292	3	9	520483.1578	377730.8942	6	14	466200.1758	195486.2178	3	3	1	1
DNA gyrase subunit B (EC 5.99.1.3) (nmpd|SPy0727|gyrB; 515586)	5	0.08	232424.544	75470.95407	2	4	154047.3444	39632.44107	2	4	103219.3417	634.9914975	2	3	166945.7303	65628.82952	3	8	0	0	0	0	1	1
Peptide chain release factor 2 (nmpd|SPy0643|prfB; 515622)	5	0.160237389	328125.8475	204036.4347	3	6	164400.5086	61956.46363	2	4	216575.9438	27834.58461	3	8	127112.2873	59486.05264	5	8	371980.3381	119756.386	3	6	1	1
Ribosomal large subunit pseudouridine synthase B (EC 4.2.1.70) (nmpd|SPy0369|; 515173)	5	0.204166667	0	0	0	0	51898.06786	0	1	1	53705.77609	3061.443479	2	2	55869.4876	18662.64471	4	4	0	0	0	0	1	1
Cysteine desulfurase (EC 2.8.1.7) (nmpd|SPy0288|; 515398)	5	0.154411765	0	0	0	0	0	0	0	0	39398.22686	17354.4764	3	3	32655.66491	12041.50652	4	4	0	0	0	0	1	1
Iron-sulfur cluster assembly protein SufD (nmpd|SPy0287|; 514967)	5	0.130952381	74382.16595	16388.0225	3	4	95672.10888	0	1	3	203908.2448	58986.46161	3	6	141895.6086	80148.25247	6	13	0	0	0	0	1	1
Dimethyladenosine transferase (EC 2.1.1.-) (nmpd|SPy0262|ksgA; 515549)	5	0.217241379	124701.8818	0	1	2	0	0	0	0	86419.8595	12256.18808	3	4	45916.61642	26166.66344	2	2	77224.87315	0	1	1	1	1
IbrB (nmpd|SPy0190|; 515979)	5	0.386363636	573948.5755	123366.95	3	7	291747.0266	126964.2733	3	5	336630.013	186380.8644	2	3	262734.4411	100769.1166	6	10	735504.5022	38302.64038	3	3	1	1
L-proline Glycine Betaine ABC transport system permease protein proW (TC 3.A.1.12.1) (nmpd|SPy0184|opuABC; 515031)	5	0.12173913	71321.07769	8262.824262	2	2	30131.10213	0	1	1	40040.56469	0	1	1	218107.4466	114370.4046	3	8	0	0	0	0	1	1
LSU ribosomal protein L29p (L35e) (nmpd|SPy0059|rpmC; 350765)	5	0.558823529	33781682.53	4759500.223	3	10	38693173.89	4356490.103	3	10	27611088.66	1612487.993	3	9	21082132.5	1584297.975	6	19	41040469.46	2913505.879	3	10	1	1
SSU ribosomal protein S19p (S15e) (nmpd|SPy0053|rpsS; 350743)	5	0.467391304	22659291.08	4749820.371	3	11	19275689.4	2241225.183	3	10	15073972.08	859627.888	3	8	13373637.18	3030174.658	6	11	13277227.83	4695792.109	3	5	1	1
ATP-dependent Clp protease ATP-binding subunit clpA (nmpd|SPy2073|clpC; 514891)	4	0.067567568	118192.771	2823.284827	2	3	91088.13412	57126.9517	2	4	65400.94383	27303.62138	2	2	96036.58376	60432.69145	3	4	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0912|; 515430)	4	0.618421053	3373376.8	672432.0958	3	6	2181533.381	277036.2513	3	6	2578505.798	380063.0871	3	6	2781450.596	484745.7651	6	14	4890992.871	1534267.129	3	6	1	1
SSU ribosomal protein S16p (nmpd|SPy0840|rpsP; 325386)	4	0.433333333	4092896.689	1087703.183	3	7	7247325.431	2915429.634	3	8	7613735.721	1140875.788	3	9	8068367.412	2086945.389	6	15	5213153.223	935682.0787	3	3	1	1
ABC-type cobalt transport system 2C ATPase component CbiO and related transporters (nmpd|SPy2194|; 326576)	4	0.185714286	72587.70083	0	1	1	53321.30625	16742.1281	3	3	54466.39506	21172.21886	3	3	47961.6773	25831.88516	5	6	0	0	0	0	1	1
L-serine dehydratase 2C beta subunit (EC 4.3.1.17) (nmpd|SPy2189|sdhB; 515696)	4	0.286995516	219891.5098	177860.4803	3	3	602556.9956	232433.0828	3	4	659632.922	215737.2943	3	6	480261.9083	301957.633	6	10	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1945|; 520051)	4	0.188	1797349.909	57264.26879	3	14	1186590.024	194061.0835	3	10	1414268.66	202200.1475	3	11	1018250.795	152666.183	6	24	1641409.39	625541.8094	3	12	1	1
Probable DNA-directed RNA polymerase delta subunit (RNAP delta factor) - Streptococcus pyogenes sero (sp|P66719|RPOE_STRP1; 515802)	4	0.193717277	4082225.616	760284.7331	3	9	1163868.11	1457371.556	3	6	2348433.117	1698810.884	3	8	3587847.404	589095.2065	6	18	4809346.803	452471.6267	3	7	1	1
Transcriptional regulator 2C repressor of the glutamine synthetase 2C MerR family (nmpd|SPy1878|; 326324)	4	0.430894309	395035.3637	115191.4318	3	5	134112.7182	19736.6807	2	2	399883.3732	192273.9587	3	5	385108.7406	124703.6959	6	12	518055.7405	50201.13786	3	3	1	1
hypothetical protein SPy1865 [Streptococcus pyogenes M1 GAS] (ref|NP_269858.1|; 515203)	4	0.259067358	937709.4924	300420.589	3	7	725965.8163	224188.0736	3	7	1331867.501	38346.25243	3	9	1085022.761	155391.9985	6	18	1401093.581	227816.9816	3	8	1	1
Transcriptional regulatory protein (nmpd|SPy1862|; 350761)	4	0.383838384	1460109.252	139559.4925	3	9	651010.1436	55605.4791	2	6	1019962.024	199527.8355	3	7	1141244.184	294117.0587	6	18	3153266.799	378698.1139	3	11	1	1
Integral membrane protein (nmpd|SPy1828|; 533398)	4	0.220183486	386472.0144	241547.1153	3	4	325652.5619	130876.3081	3	8	591769.964	43001.50944	3	8	385815.9843	162513.9471	6	14	0	0	0	0	1	1
Chaperone protein DnaJ (nmpd|SPy1759|dnaJ; 515416)	4	0.166666667	1153804.429	357598.1889	3	7	428562.9969	96054.35698	3	5	783771.107	122091.349	3	6	617871.7796	100645.7698	6	16	1158038.173	356476.6016	3	7	1	1
Cell division initiation protein (nmpd|SPy1646|; 326117)	4	0.342592593	847864.3859	253731.2949	3	7	404512.268	69894.69708	3	4	434789.3525	135171.2107	3	6	649758.7458	148910.7618	6	12	1696678.943	109717.693	3	8	1	1
Guanylate kinase (EC 2.7.4.8) (nmpd|SPy1632|; 515467)	4	0.222748815	148160.0237	4410.968578	2	2	36020.65307	0	1	1	106115.881	69109.00793	3	3	128563.1672	60102.90123	4	5	136003.3958	1147.637694	2	2	1	1
DNA-directed RNA polymerase omega subunit (EC 2.7.7.6) (nmpd|SPy1630|; 343041)	4	0.605769231	1115015.947	297650.8116	3	8	1428752.133	283188.4927	3	9	1828951.804	96809.04468	3	8	1532116.403	573361.3219	6	16	1100400.448	153737.4667	3	4	1	1
Phospho-2-dehydro-3-deoxyheptonate aldolase (EC 2.5.1.54) (nmpd|SPy1576|; 326034)	4	0.228	34505.60066	0	1	1	31312.66858	0	1	1	64325.2076	11425.27862	3	4	44147.03477	17051.09455	2	3	0	0	0	0	1	1
Manganese superoxide dismutase (EC 1.15.1.1) (nmpd|SPy1406|sodA; 515980)	4	0.248756219	421598.7066	126572.0307	3	4	66880.65308	18925.82088	2	2	894467.4269	717507.4205	3	8	189436.2329	108923.3507	6	11	1247982.596	372009.5923	3	4	1	1
S-adenosylmethionine 3AtRNA ribosyltransferase-isomerase (EC 5.-.-.-) (nmpd|SPy1400|queA; 514937)	4	0.125730994	315774.0631	39483.87449	3	6	140207.4839	43600.60124	3	6	231445.9558	48160.23391	3	6	120941.1888	59037.10409	5	9	238183.1529	111403.5276	2	3	1	1
Uridine kinase (EC 2.7.1.48) (nmpd|SPy1368|; 515899)	4	0.245192308	1103469.137	40838.23422	3	9	619297.3046	201305.7414	3	5	781177.8945	76470.06211	3	7	641793.46	130206.0685	6	14	1056836.918	126306.0315	2	4	1	1
SSU ribosomal protein S20p (nmpd|SPy1234|rpsT; 350754)	4	0.311688312	16740194.12	2737922.707	3	5	18693580.55	796482.0536	3	4	12992174.45	2174846.034	3	3	12782625.33	1205650.35	6	11	15643295.23	5644138.014	3	8	1	1
Formate--tetrahydrofolate ligase (EC 6.3.4.3) (nmpd|SPy1213|fhs.1; 325635)	4	0.095323741	112090.697	62718.67561	3	3	88051.96467	8712.284442	2	2	149190.8927	38589.96178	3	3	63281.30373	14603.44541	2	2	0	0	0	0	1	1
Sortase (nmpd|SPy1154|; 325590)	4	0.212851406	315178.1124	94644.50123	3	4	434866.7942	23619.56043	3	8	499770.1115	63999.41149	3	11	139303.1265	59728.38862	4	6	266926.127	0	1	1	1	1
Xanthine phosphoribosyltransferase (EC 2.4.2.-) (nmpd|SPy1136|; 325573)	4	0.295336788	1005496.839	508646.8543	3	7	676538.8713	230991.436	3	8	805870.2134	65000.41506	3	9	330248.3793	158184.6549	6	14	88660.45119	0	1	1	1	1
NAD kinase (EC 2.7.1.23) (nmpd|SPy1126|; 515575)	4	0.212230216	77089.41475	0	1	1	0	0	0	0	70253.65175	22607.56366	2	2	28475.38974	10384.557	3	3	0	0	0	0	1	1
Ribose-phosphate pyrophosphokinase (EC 2.7.6.1) (nmpd|SPy1123|; 515443)	4	0.165644172	761186.8167	234365.4745	3	6	562642.2027	70918.35949	3	8	1101148.679	298921.6216	3	6	578031.6819	207401.1275	6	13	301920.5566	199747.4453	2	3	1	1
GTP cyclohydrolase I (EC 3.5.4.16) type 1 (nmpd|SPy1097|folE; 515700)	4	0.275	167467.986	87980.53053	3	3	64304.76605	13596.35375	3	3	380735.636	117868.2092	3	4	197818.8148	81069.33939	6	9	120012.7693	0	1	1	1	1
Phosphatase NagD predicted to act in N-acetylglucosamine utilization subsystem (nmpd|SPy1043|; 515402)	4	0.224409449	67218.21715	6091.802544	3	3	0	0	0	0	9994.96434	0	1	1	60005.57579	13900.05543	3	3	0	0	0	0	1	1
Mutator mutT protein (7 2C8-dihydro-8-oxoguanine-triphosphatase) (EC 3.6.1.-) (nmpd|SPy1010|mutX; 515684)	4	0.373417722	223431.0179	32843.34489	3	3	73592.00466	7791.330605	3	3	281396.6435	108100.4527	3	6	168734.5954	24682.39994	5	8	433249.2131	82110.01005	3	4	1	1
DegV family protein (nmpd|SPy0865|; 515100)	4	0.209219858	201326.9786	50128.47107	3	5	167002.8843	94295.94687	3	6	230721.5174	135116.1756	3	6	228605.0157	103336.9805	5	9	0	0	0	0	1	1
16S rRNA processing protein RimM (nmpd|SPy0847|; 515950)	4	0.261627907	591676.2041	73340.4655	3	9	350520.4085	83102.08429	3	7	557754.3073	130167.258	3	8	458278.8271	144520.1862	6	15	772721.1996	235143.8338	3	5	1	1
LSU ribosomal protein L27p (nmpd|SPy0822|rpmA; 325372)	4	0.463917526	18433269.41	1273768.573	3	12	27104720.75	5719473.418	3	12	15471453.24	2479377.454	3	12	9793714.417	679901.7351	6	24	15874996.25	2220749.725	3	12	1	1
Thiamine biosynthesis protein thiI (nmpd|SPy0817|thiI; 515007)	4	0.148514851	79607.56497	0	1	1	72247.80408	36127.70415	3	4	60615.8297	21628.24684	3	3	66201.45956	21855.95015	3	6	0	0	0	0	1	1
putative transcriptional regulator (nmpd|SPy0811|; 350751)	4	0.504424779	18484213.97	11481608.38	3	8	10514334.75	8743066.561	3	9	10507442.77	7404767.793	3	10	13673768.31	3281989.398	6	19	22086542.62	7984502.526	3	8	1	1
3-dehydroquinate dehydratase (EC 4.2.1.10) (nmpd|SPy0809|aroD; 325360)	4	0.23245614	162858.1348	56971.33963	3	3	118121.3074	37927.79867	3	3	268994.9379	33339.38674	3	4	201038.0422	51409.44643	5	6	167723.4122	0	1	1	1	1
LSU ribosomal protein L35p (nmpd|SPy0805|rpmI; 325356)	4	0.184615385	8019993.71	1051740.687	3	9	9449265.44	931530.3964	3	9	6241835.73	431791.9031	3	9	4543711.515	1092763.339	6	18	5206259.517	1472550.829	3	9	1	1
Cytidylate kinase (EC 2.7.4.14) (nmpd|SPy0803|; 515509)	4	0.234513274	57587.75164	38351.82282	2	2	146606.7116	120328.7028	2	3	211203.9902	0	1	2	87191.60928	51950.33879	2	2	225625.0044	57883.46955	2	2	1	1
Phenylalanyl-tRNA synthetase alpha chain (EC 6.1.1.20) (nmpd|SPy0768|pheS; 515943)	4	0.131367292	79389.02597	0	1	1	77906.24301	19885.39762	2	2	79608.32179	36284.50352	3	3	107503.7732	47839.18229	4	5	134741.5453	4572.312989	2	2	1	1
DHH subfamily 1 protein (nmpd|SPy0720|; 515861)	4	0.146964856	370901.0236	75779.8863	3	5	141906.8251	44130.44717	3	5	482865.6693	119768.0617	3	8	320694.5585	142298.8198	6	15	136409.7875	14115.39877	2	2	1	1
Streptococcal pyrogenic exotoxin C (SpeC) (nmpd|SPy0711|speC; 386426)	4	0.225531915	180623.0792	98291.83541	3	4	0	0	0	0	188802.8983	96564.5573	3	5	273629.8307	107961.1221	6	12	459384.4698	55774.14276	3	3	1	1
Cell division transporter 2C ATP-binding protein ftsE (TC 3.A.5.1.1) (nmpd|SPy0644|ftsE; 325271)	4	0.152173913	80728.50744	55857.13586	2	2	129509.6051	1268.15358	2	4	188727.1767	62730.05534	3	6	143284.8807	83024.00606	4	10	0	0	0	0	1	1
Glutathione peroxidase (EC 1.11.1.9) (nmpd|SPy0605|bsaA; 520057)	4	0.264150943	0	0	0	0	180432.8021	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0567|; 515322)	4	0.241509434	362909.012	221400.9229	3	5	214086.0363	106009.1623	2	3	776021.8172	169483.4785	3	6	501165.6749	247258.1615	6	12	0	0	0	0	1	1
Lactoylglutathione lyase (EC 4.4.1.5) (nmpd|SPy0511|gloA; 325167)	4	0.352	2044205.811	1005705.981	3	3	916033.8098	205282.7376	3	4	1223938.752	142657.5639	3	3	1311680.03	283491.9773	6	7	4426132.61	229906.2599	3	4	1	1
67kDa Myosin-crossreactive streptococcal antigen (nmpd|SPy0470|; 515126)	4	0.072881356	221139.9623	84160.4754	3	5	41380.22638	0	1	1	253981.5272	5842.937567	3	6	104841.2058	50470.97562	5	9	0	0	0	0	1	1
Iron-sulfur cluster assembly ATPase protein SufC (nmpd|SPy0285|; 324994)	4	0.21484375	253281.3306	17339.14896	3	4	80714.69113	7380.308878	2	2	357010.3478	82008.7963	3	9	192546.6025	64721.22273	4	7	199809.5975	1543.773798	2	2	1	1
Amino acid ABC transporter 2C glutamine-binding protein 2Fpermease protein (nmpd|SPy0277|; 515262)	4	0.11302682	66592.50447	27950.71298	3	3	130708.8725	53579.29029	3	4	118811.8199	42427.51739	2	3	96740.68198	72765.6851	5	7	0	0	0	0	1	1
Surface exclusion protein (nmpd|SPy0269|prgA; 515167)	4	0.074455899	33941.69767	0	1	1	68211.08399	0	1	1	62050.76443	26038.13547	3	3	160135.5654	163973.7148	4	5	207882.1919	20.41695266	2	2	1	1
Purine operon repressor (nmpd|SPy0268|purR; 324981)	4	0.157706093	189731.9084	65688.96491	3	3	229119.5836	15616.84009	3	3	208805.4093	36739.89164	3	4	192366.9046	76415.68691	5	6	0	0	0	0	1	1
Peroxide stress regulator PerR 2C FUR family (nmpd|SPy0187|; 324928)	4	0.387096774	120032.7376	34765.5249	3	4	85144.58964	0	1	1	122263.5453	28831.53315	2	3	171634.3538	71448.80299	5	9	43313.4808	0	1	1	1	1
DNA polymerase I (EC 2.7.7.7) (nmpd|SPy0185|polA; 515499)	4	0.069318182	50919.35239	10807.83959	2	2	0	0	0	0	33797.31084	0	1	1	0	0	0	0	210114.6832	0	1	1	1	1
L-proline Glycine Betaine ABC transport ATP-binding protein proV (TC 3.A.1.12.1) (nmpd|SPy0183|opuAA; 515932)	4	0.170854271	202378.0119	101842.5497	3	4	0	0	0	0	89622.16593	69501.71885	2	2	180853.7062	119019.4843	6	9	0	0	0	0	1	1
phosphoribosylaminoimidazole carboxylase catalytic subunit [Streptococcus pyogenes M1 GAS] (ref|NP_268448.1|; 515673)	4	0.36196319	380688.2723	17342.45856	3	7	1010709.271	210880.9412	3	9	205238.0131	90780.83841	3	7	31694.84007	3663.643463	3	3	513733.9271	59180.67106	2	4	1	1
Phosphoribosylamine--glycine ligase (EC 6.3.4.13) (nmpd|SPy0032|purD; 515922)	4	0.144893112	84729.33186	7961.486676	2	2	154935.826	84191.10705	2	3	0	0	0	0	0	0	0	0	190882.1437	119730.6101	2	3	1	1
4-oxalocrotonate tautomerase (EC 5.3.2.-) 3B Xylose transport system permease protein xylH (nmpd|SPy1139|; 325576)	3	0.491803279	0	0	0	0	0	0	0	0	0	0	0	0	101544.4063	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1551|; 520038)	3	0.243697479	70652.91172	0	1	1	0	0	0	0	86322.37467	0	1	1	56402.15321	14793.56207	2	2	0	0	0	0	1	1
Tryptophanyl-tRNA synthetase (EC 6.1.1.2) (nmpd|SPy2207|trsA; 514940)	3	0.123529412	190805.2214	59388.06944	2	3	80489.17255	8053.312515	2	2	161224.9708	107356.4543	2	3	181008.4891	136158.6236	4	8	141780.8131	43601.55032	2	2	1	1
Transcriptional regulator (nmpd|SPy2197|; 520037)	3	0.108504399	224223.0334	42379.67287	2	2	189440.377	83179.97166	3	4	395396.4269	194467.8395	3	4	370527.4109	185008.3956	6	11	54832.6934	0	1	1	1	1
LSU ribosomal protein L9p (nmpd|SPy2183|rplI; 350763)	3	0.226666667	934068.0122	465147.957	3	7	635646.247	252632.2927	3	5	917236.2422	151375.0892	3	7	552312.7302	109806.459	6	14	1284814.672	428856.3672	3	7	1	1
UPF0297 protein SpyM3_1798 2FSPs1796 (nmpd|SPy2114|; 326510)	3	0.404494382	2432525.501	639420.6013	3	11	926807.8098	219527.5113	3	11	2458301.503	143333.5616	3	12	2859926.224	251457.0756	6	23	4004603.48	230447.9748	3	8	1	1
hypothetical protein (nmpd|SPy2034|; 326444)	3	0.336734694	1139921.717	105700.3319	3	9	170967.2936	18238.74625	3	3	1082568.865	171143.0207	3	9	1327826.278	170142.8112	6	18	853631.44	194228.3775	3	5	1	1
periplasmic component of efflux system (nmpd|SPy2032|; 515051)	3	0.097156398	0	0	0	0	0	0	0	0	17775.34974	0	1	1	51242.3614	19542.72342	4	4	0	0	0	0	1	1
Ribosomal protein L11 methyltransferase (EC 2.1.1.-) (nmpd|SPy1988|; 515451)	3	0.1829653	0	0	0	0	0	0	0	0	0	0	0	0	58039.74422	0	1	1	0	0	0	0	1	1
putative transport accessory protein (nmpd|SPy1971|; 515665)	3	0.379032258	300255.9688	224628.5419	2	2	0	0	0	0	153907.354	102982.4642	2	2	257097.1701	262145.6137	4	5	0	0	0	0	1	1
Undecaprenyl pyrophosphate synthetase (EC 2.5.1.31) (nmpd|SPy1965|uppS; 515258)	3	0.176706827	152381.1704	44134.00829	2	2	112425.2526	17132.35716	3	3	119572.3396	8641.207078	2	2	86975.41243	16824.95132	4	4	0	0	0	0	1	1

Cysteinyl-tRNA synthetase (EC 6.1.1.16) (nmpd|SPy1941|cysS; 515568)	3	0.10738255	0	0	0	0	28749.08447	13130.86646	2	2	71608.45088	8505.338409	2	2	53252.31784	21407.225	3	3	0	0	0	0	1	1
Type I restriction-modification system methylation subunit (nmpd|SPy1906|hsdM; 515047)	3	0.085551331	127996.1922	17313.84271	2	2	77875.57506	10126.07499	2	2	69919.77659	48770.18559	3	4	93386.74254	27958.19954	4	5	0	0	0	0	1	1
LSU ribosomal protein L28p (nmpd|SPy1888|rpmB; 326331)	3	0.403225806	11027701.19	2294661.867	3	6	21177911.69	2452852.81	3	9	13762568.01	1745380.957	3	9	7925293.635	1844635.85	6	14	5767338.223	1101506.942	3	7	1	1
Signal peptidase I (EC 3.4.21.89) (nmpd|SPy1842|; 520039)	3	0.147208122	456219.757	105442.8349	3	4	413570.1567	69376.63367	3	5	541882.7942	120943.8568	3	5	495475.0532	258478.0449	6	11	469174.5334	17613.31109	2	6	1	1
Excinuclease ABC subunit A (nmpd|SPy1825|uvrA; 515558)	3	0.052016985	0	0	0	0	0	0	0	0	0	0	0	0	40599.81202	0	1	1	0	0	0	0	1	1
Aminopeptidase YpdF (MP- 2C MA- 2C MS- 2C AP- 2C NP- specific) (nmpd|SPy1824|pepP; 515223)	3	0.103641457	51722.98467	12846.79132	2	2	50175.63044	4653.488734	2	3	71403.64539	37386.88468	2	3	46382.43105	24110.26758	2	3	40172.13608	0	1	1	1	1
Mannose-6-phosphate isomerase (EC 5.3.1.8) (nmpd|SPy1810|; 515425)	3	0.157728707	274004.5012	129685.178	2	3	131220.07	99740.55324	3	7	385265.145	51744.23378	3	7	372978.7344	90052.03578	6	11	0	0	0	0	1	1
ABC transporter 2C ATP-binding protein (nmpd|SPy1729|; 326184)	3	0.182572614	111625.2633	19350.47645	2	3	61611.30422	15982.16881	2	2	59322.56212	40125.91892	3	4	110353.284	23960.05803	5	8	0	0	0	0	1	1
Hydrolase (HAD superfamily) (nmpd|SPy1700|; 514942)	3	0.149635036	51674.83946	28901.10641	2	2	0	0	0	0	53994.9042	0	1	1	38956.06778	29997.91187	2	2	70623.47217	0	1	1	1	1
Methyltransferase (EC 2.1.1.-) 3B N6-adenine-specific DNA methylase (nmpd|SPy1644|; 515175)	3	0.109375	0	0	0	0	44561.29212	10249.91315	2	2	139837.1698	66698.44811	2	3	74717.75288	46078.30193	5	6	0	0	0	0	1	1
3-ketoacyl-CoA thiolase (EC 2.3.1.16) 3B Acetyl-CoA acetyltransferase (EC 2.3.1.9) (nmpd|SPy1637|atoB; 514996)	3	0.13164557	89459.1505	0	1	1	0	0	0	0	0	0	0	0	98660.3001	35219.37508	4	4	178695.3687	41890.01245	3	3	1	1
Methionyl-tRNA formyltransferase (EC 2.1.2.9) (nmpd|SPy1628|; 515408)	3	0.163987138	78637.27807	2799.11019	2	2	85762.70081	38011.92527	2	2	173645.1906	74251.96373	3	5	89668.00882	42238.04765	6	7	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1511|; 515039)	3	0.33	383160.8196	71950.73795	3	7	110574.5129	65365.85274	2	2	334114.8478	15618.42036	3	6	249998.701	36278.9938	6	7	654914.5273	79370.56446	2	4	1	1
DegV family protein (nmpd|SPy1493|; 515826)	3	0.154121864	76954.64671	28111.3025	2	2	52891.64848	32239.92796	3	4	163651.7206	64764.05873	3	5	135898.6935	90367.40738	4	6	0	0	0	0	1	1
Oligoendopeptidase F (nmpd|SPy1393|pepB; 515464)	3	0.078202995	50911.10998	0	1	1	0	0	0	0	77894.71568	21789.12266	2	3	59259.3793	6584.806597	3	3	0	0	0	0	1	1
ATP-dependent RNA helicase 2C DEAD 2FDEAH box family (nmpd|SPy1369|deaD2; 515488)	3	0.155124654	0	0	0	0	83991.4362	47773.78332	3	4	94239.49909	25126.68897	3	3	73072.43569	43746.3921	4	4	0	0	0	0	1	1
UDP-N-acetylglucosamine 1-carboxyvinyltransferase (EC 2.5.1.7) (nmpd|SPy1358|murZ; 515016)	3	0.119331742	0	0	0	0	24424.59383	0	1	1	36323.9539	1009.575796	2	2	43562.70639	27177.15385	3	4	0	0	0	0	1	1
RNA methyltransferase 2C TrmA family (nmpd|SPy1346|; 515712)	3	0.093073593	0	0	0	0	0	0	0	0	48635.57957	0	1	1	0	0	0	0	0	0	0	0	1	1
ABC-type multidrug transport system 2C ATPase component (nmpd|SPy1286|; 325698)	3	0.189655172	139037.5884	32044.91454	2	2	0	0	0	0	78800.5018	0	1	1	107486.7676	19444.64314	6	8	0	0	0	0	1	1
Alkylphosphonate utilization operon protein PhnA (nmpd|SPy1277|; 515587)	3	0.27027027	1141148.292	210253.9606	3	4	3501481.709	436978.5288	3	5	1545285.978	218970.0976	3	5	1645057.934	163807.4638	6	12	1885094.798	204453.5866	3	5	1	1
hypothetical protein (nmpd|SPy1264|; 515942)	3	0.15270936	587210.6636	167998.5763	3	4	1048674.306	965095.7887	3	4	308050.4899	61386.17389	3	3	442978.2104	277031.4397	6	6	93820.63346	19702.8173	2	2	1	1
Phosphate ABC transporter 2C periplasmic phosphate-binding protein pstS (TC 3.A.1.7.1) (nmpd|SPy1245|pstS; 515954)	3	0.114583333	73249.35855	0	1	1	0	0	0	0	87644.27094	4361.856275	2	2	583892.0979	0	1	1	0	0	0	0	1	1
Nucleoside transport ATP-binding protein (nmpd|SPy1227|; 515750)	3	0.11372549	174516.3235	20644.02316	2	3	99734.04839	66614.06828	2	3	84086.98939	25778.69471	2	3	109175.4441	37369.37155	3	4	0	0	0	0	1	1
Spermidine Putrescine transport ATP-binding protein potA (TC_3.A.1.11.1) (nmpd|SPy1102|potA; 515879)	3	0.091145833	164109.0484	62714.70186	3	3	304191.5313	112069.4547	3	4	291276.2428	76852.25768	3	4	163179.9446	95126.37056	6	8	0	0	0	0	1	1
2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase (EC 2.7.6.3) (nmpd|SPy1100|folK; 515304)	3	0.228915663	218303.3499	139603.8021	3	4	102734.0872	77185.52104	3	6	334615.835	116868.0492	3	7	235277.0649	106833.9549	6	11	504292.9132	36826.58334	2	3	1	1
DNA replication protein dnaD (nmpd|SPy0928|; 515836)	3	0.18061674	77779.0453	0	1	1	33534.19953	0	1	1	42593.33816	16821.07927	2	2	58020.45025	18283.62349	2	2	0	0	0	0	1	1
Ribose 5-phosphate isomerase A (EC 5.3.1.6) (nmpd|SPy0889|rpiA; 515744)	3	0.140969163	260625.895	76865.21426	2	3	150857.406	88463.60837	2	3	159238.1884	83904.71082	3	5	224955.8611	101530.5183	6	13	151185.5778	27750.88557	2	2	1	1
Regulatory protein (nmpd|SPy0851|; 515032)	3	0.096590909	178035.2581	61373.25352	3	3	88489.93591	36497.31096	2	2	118586.6388	52391.58379	3	3	127355.0922	59823.77091	4	4	291669.4553	77650.63104	2	2	1	1
Aspartate carbamoyltransferase (EC 2.1.3.2) (nmpd|SPy0832|pyrB; 515508)	3	0.118971061	0	0	0	0	0	0	0	0	106099.853	0	1	1	14332.04033	0	1	1	0	0	0	0	1	1
Tripeptide aminopeptidase (EC EC 3.4.11.4) (nmpd|SPy0799|pepT; 515478)	3	0.103194103	52449.15136	0	1	1	0	0	0	0	135671.371	80888.98234	3	6	92359.57666	45801.44949	6	9	0	0	0	0	1	1
Alpha-L-Rha alpha-1 2C2-L-rhamnosyltransferase 2Falpha-L-Rha alpha-1 2C3-L- rhamnosyltransferase (EC (nmpd|SPy0792|rgpFc; 515254)	3	0.089500861	58234.60872	0	1	1	55745.64512	6427.689344	2	2	108649.1569	25094.63207	3	5	120706.6664	69640.90015	4	8	0	0	0	0	1	1
SSU ribosomal protein S21p (nmpd|SPy0779|rpsU; 349206)	3	0.344827586	12628321.03	5566160.264	3	8	14987085.07	1350569.071	3	7	13108366.35	1363430.771	3	8	10727909.4	1312231.337	6	14	20238257.91	1552835.333	3	6	1	1
Transcription regulator 5Bcontains diacylglycerol kinase catalytic domain 5D (nmpd|SPy0752|; 514867)	3	0.120588235	0	0	0	0	0	0	0	0	37933.60573	0	1	1	33869.6382	0	1	1	0	0	0	0	1	1
Candidate zinc-binding lipoprotein ZinT (nmpd|SPy0714|adcA; 515202)	3	0.077669903	0	0	0	0	55334.23559	0	1	1	17106.2996	0	1	1	38782.06927	16856.00177	4	4	50547.28296	26378.66928	2	2	1	1
ATP-binding protein (contains P-loop) (nmpd|SPy0652|; 515935)	3	0.158783784	77838.99352	18773.13971	3	3	59896.57034	37467.05789	3	4	127544.0133	33793.64504	3	5	108218.8889	81394.37121	3	4	0	0	0	0	1	1
Peptidase family U32 (nmpd|SPy0591|; 515149)	3	0.102803738	144610.8713	0	1	2	0	0	0	0	152896.4062	31835.66101	2	4	113027.5798	44081.00695	4	4	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0588|; 514839)	3	0.204225352	33241.24586	0	1	1	56849.45834	0	1	1	28304.65858	1677.886414	2	2	48093.96928	13076.8604	3	3	0	0	0	0	1	1
Glycosyl transferase 2C group 1 family protein (nmpd|SPy0515|; 325171)	3	0.096385542	0	0	0	0	0	0	0	0	0	0	0	0	19832.95631	3410.473395	2	2	0	0	0	0	1	1
Ribonuclease R (EC 3.1.-.-) (nmpd|SPy0503|; 515065)	3	0.05019305	59539.50667	0	1	1	34830.54592	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Uridylate kinase (EC 2.7.4.-) (nmpd|SPy0462|pyrH; 325123)	3	0.17768595	371658.2214	109317.2825	3	5	329578.7267	36668.22897	3	3	600440.1348	159203.7343	3	6	325891.2994	99421.46447	6	7	223100.6396	0	1	1	1	1
Mn-dependent transcriptional regulator MntR (nmpd|SPy0450|; 515748)	3	0.223255814	244188.8844	108805.882	3	3	94185.89382	44429.31272	2	2	433062.3728	101762.5253	3	3	277053.4222	93385.78753	6	6	0	0	0	0	1	1
putative arsenate reductase [Streptococcus pyogenes M1 GAS] (ref|NP_268720.1|; 515757)	3	0.352941176	0	0	0	0	0	0	0	0	0	0	0	0	32630.708	0	1	1	0	0	0	0	1	1
Cytoplasmic copper homeostasis protein cutC (nmpd|SPy0408|; 515461)	3	0.229665072	429221.8825	51803.08583	3	3	176184.8851	27072.23827	2	3	284190.4093	29010.21583	3	4	75034.03986	77938.93443	3	3	408398.9536	44853.86246	2	4	1	1
Thymidylate kinase (EC 2.7.4.9) (nmpd|SPy0399|; 515271)	3	0.18957346	73575.42774	32524.37593	2	2	75407.30303	29605.78517	3	4	166152.3604	61054.71581	3	4	136872.065	62370.98956	5	6	0	0	0	0	1	1
ATP-dependent Clp protease proteolytic subunit (EC 3.4.21.92) (nmpd|SPy0395|clpP; 325073)	3	0.158163265	1178289.92	423713.8854	3	5	446766.5446	256057.8759	2	3	776026.5226	121124.5887	2	2	581615.9571	297620.7265	6	7	806146.2745	275620.1809	3	5	1	1
UDP-N-acetylmuramate--alanine ligase (EC 6.3.2.8) (nmpd|SPy0345|murC; 514893)	3	0.083710407	81085.32944	28981.4102	3	3	105309.3416	67800.7914	2	3	167686.1726	16271.34457	3	4	134308.7943	78545.04837	3	4	0	0	0	0	1	1
Oligopeptide transport ATP-binding protein oppD (TC 3.A.1.5.1) (nmpd|SPy0296|oppD; 325003)	3	0.109550562	180927.0347	0	1	2	167567.5586	106410.9189	3	5	140736.9624	50141.88539	3	4	162505.3182	107871.7219	6	9	0	0	0	0	1	1
Oligopeptide transport system permease protein oppB (TC 3.A.1.5.1) (nmpd|SPy0294|oppB; 515292)	3	0.064	91631.32772	0	1	1	62270.90534	0	1	1	12124.10885	0	1	1	21593.9023	0	1	1	0	0	0	0	1	1
Ribulose-phosphate 3-epimerase (EC 5.1.3.1) (nmpd|SPy0264|; 324977)	3	0.204545455	2009657.943	224409.1163	3	5	1279543.566	141334.1782	3	6	1784137.653	122474.8086	3	8	1702856.461	234182.9787	6	13	2144880.992	325904.0601	3	3	1	1
Deoxyuridine 5'-triphosphate nucleotidohydrolase (EC 3.6.1.23) (nmpd|SPy0235|; 520078)	3	0.324324324	36494.41886	0	1	1	84032.96954	4925.612574	2	2	83822.96538	29914.92128	3	4	125497.4491	31570.72083	3	6	0	0	0	0	1	1
Metal-dependent hydrolase (EC 3.-.-.-) (nmpd|SPy0208|; 515526)	3	0.150579151	0	0	0	0	0	0	0	0	56008.16524	0	1	1	110392.8073	49539.46608	3	3	261562.2806	50224.99538	2	2	1	1
Tellurite resistance protein (nmpd|SPy0158|; 515097)	3	0.133333333	0	0	0	0	0	0	0	0	0	0	0	0	24560.29088	0	1	1	0	0	0	0	1	1
putative DNA-binding protein (nmpd|SPy0144|; 324890)	3	0.190265487	60561.17295	0	1	1	48123.41172	8968.159699	3	3	63611.8413	4150.539621	2	2	0	0	0	0	0	0	0	0	1	1
tRNA dihydrouridine synthase B (nmpd|SPy0122|; 514853)	3	0.132307692	0	0	0	0	72370.81097	0	1	1	78609.53961	4393.564883	2	2	54736.88957	29703.75336	4	4	0	0	0	0	1	1
Multimodular transpeptidase-transglycosylase (EC 2.4.1.129) (EC 3.4.-.-) (nmpd|SPy0097|pbp1b; 515642)	3	0.067532468	0	0	0	0	0	0	0	0	0	0	0	0	29703.53856	0	1	1	0	0	0	0	1	1
Acyltransferase family (nmpd|SPy0041|; 515320)	3	0.087986464	61141.27366	5205.590263	2	2	23942.76977	0	1	1	58384.345	11856.84923	2	2	46467.50116	17049.94156	2	2	0	0	0	0	1	1
Phosphoribosylaminoimidazole-succinocarboxamide synthase (EC 6.3.2.6) (nmpd|SPy0024|purC; 515383)	3	0.168032787	0	0	0	0	86495.46611	50965.94234	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Fatty acid 2Fphospholipid synthesis protein plsX (nmpd|SPy0022|plsX; 514936)	3	0.119402985	287574.5403	53438.37283	3	6	61582.73081	22682.90947	2	2	239909.8886	44417.00098	2	4	204828.9853	123009.8406	4	8	90900.60903	0	1	1	1	1
ABC-transporter (ATP-binding protein) -possibly involved in cell wall localization and side chain fo (nmpd|SPy0790|rgpDc; 515504)	2	0.049875312	56258.94171	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0467|; 350749)	2	0.281690141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179997.4524	0	1	1	1	1
Dihydroorotase (EC 3.5.2.3) (nmpd|SPy0907|pyrC; 515012)	2	0.047393365	123172.545	14593.47468	2	2	126805.7205	18693.1671	3	4	106286.4811	25745.55323	3	3	124699.094	75113.36616	4	6	435483.7017	114468.1245	3	4	1	1
bacterial seryl-tRNA synthetase related (nmpd|SPy0593|; 325234)	2	0.271428571	1880916.678	63255.09296	3	5	542070.7644	176226.5602	3	5	1164904.209	232697.7936	3	6	1133429.154	174468.1546	4	5	3163483.093	294097.9575	3	6	1	1
Transcription termination protein NusB (nmpd|SPy1818|nusB; 340954)	2	0.173333333	52945.32189	10958.32206	2	2	0	0	0	0	0	0	0	0	36752.95983	896.8699604	2	2	0	0	0	0	1	1
Transcriptional repressor for NAD biosynthesis in gram-positives (nmpd|SPy1427|; 515873)	2	0.12716763	0	0	0	0	50516.19738	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Esterase (EC 3.1.1.-) (nmpd|SPy1308|; 515347)	2	0.064220183	82147.18648	0	1	1	39757.25692	0	1	1	0	0	0	0	84950.4826	16808.93885	3	4	0	0	0	0	1	1
Amino acid transport ATP-binding protein (nmpd|SPy0276|; 515738)	2	0.154471545	98011.79758	0	1	1	251205.3916	96971.60157	2	4	215681.3064	39279.2264	3	4	127092.3005	46495.69554	5	5	0	0	0	0	1	1
GTP pyrophosphokinase (EC 2.7.6.5) (nmpd|SPy1125|; 325564)	2	0.125560538	154212.1732	0	1	1	0	0	0	0	0	0	0	0	99690.65398	0	1	1	0	0	0	0	1	1
Hyaluronan synthase (EC 2.4.1.212) (nmpd|SPy2200|hasA; 386411)	2	0.088305489	0	0	0	0	83285.26436	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1840|; 326291)	2	0.205882353	194984.8179	43284.62763	2	3	0	0	0	0	89630.39239	0	1	1	143996.4089	43279.88296	3	3	0	0	0	0	1	1
UDP-glucose dehydrogenase (EC 1.1.1.22) (nmpd|SPy2201|hasB; 386412)	2	0.077114428	0	0	0	0	10463.72422	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Thymidylate synthase (EC 2.1.1.45) (nmpd|SPy0882|thyA; 515406)	2	0.075268817	0	0	0	0	28028.70573	0	1	1	32606.58706	5725.968481	2	2	48862.40525	28345.13297	4	5	0	0	0	0	1	1
Hydrolases of the alpha 2Fbeta superfamily (nmpd|SPy1892|; 515052)	2	0.074675325	65051.51678	0	1	1	30021.91533	0	1	1	28422.01554	6111.104742	2	2	48549.74498	31194.9771	2	3	100131.1085	0	1	1	1	1
Alkaline shock protein (nmpd|SPy1820|; 326254)	2	0.178294574	2952077.183	656943.4707	3	6	1424261.755	1336250.101	2	2	3061979.938	619389.8532	3	4	2514933.86	333283.8528	4	5	1943294.56	453336.9049	3	5	1	1
Hypothetical protein SPy1261 (nmpd|SPy1261|; 325680)	2	0.196969697	561663.1733	0	1	1	197242.9302	1068.175112	2	2	220472.0234	71999.26135	2	2	437086.6077	139541.434	2	2	1057779.245	369323.2775	3	3	1	1
Transcription accessory protein (S1 RNA-binding domain) (nmpd|SPy0580|; 515104)	2	0.029577465	23914.94999	0	1	1	41166.14335	14186.21681	2	2	0	0	0	0	20667.51764	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1731|; 326186)	2	0.228813559	116208.0868	0	1	1	79432.02907	0	1	1	78423.13111	4648.703041	2	2	99002.50133	40044.51289	4	4	0	0	0	0	1	1
COG2740 3A Predicted nucleic-acid-binding protein implicated in transcription termination (nmpd|SPy1723|; 533442)	2	0.204081633	347963.3911	103720.1819	3	4	0	0	0	0	428936.3445	0	1	1	182421.7343	106690.6501	4	5	224765.5262	8326.421142	2	2	1	1
S-adenosyl-methyltransferase mraW (EC 2.1.1.-) (nmpd|SPy1666|; 515683)	2	0.091988131	0	0	0	0	28253.46223	17132.41173	2	2	62561.13395	27884.30333	2	3	27351.30352	5577.183231	3	3	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1518|; 515489)	2	0.050458716	113582.3542	0	1	1	37645.24165	0	1	1	0	0	0	0	48907.072	11789.45692	3	3	0	0	0	0	1	1
Serine hydroxymethyltransferase (EC 2.1.2.1) (nmpd|SPy1145|glyA; 515027)	2	0.057416268	55776.21152	0	1	1	0	0	0	0	53268.19831	0	1	1	0	0	0	0	0	0	0	0	1	1
putative glycosyltransferase - possibly involved in cell wall localization and side chain formation (nmpd|SPy0791|rgpEc; 515918)	2	0.071641791	0	0	0	0	0	0	0	0	0	0	0	0	25198.78078	0	1	1	0	0	0	0	1	1
probably aromatic ring hydroxylating enzyme 2C evidenced by COGnitor (nmpd|SPy0783|; 325337)	2	0.1875	79024.42836	2250.471465	2	2	94823.03666	0	1	1	293237.0625	52515.45217	3	6	165971.5119	82052.60347	4	5	0	0	0	0	1	1
Alcohol dehydrogenase (EC 1.1.1.1) (nmpd|SPy0044|adhA; 515637)	2	0.094674556	31791.82405	0	1	1	0	0	0	0	0	0	0	0	11121.30768	0	1	1	47305.49555	0	1	1	1	1
LSU ribosomal protein L33p (nmpd|SPy2160|rpmG; 326549)	2	0.326530612	8237490.221	181773.5168	3	6	11420699.68	3698962.018	3	5	8960242.202	1662755.999	3	6	4419090.489	526590.0886	6	12	6513201.942	1109834.946	3	6	1	1
Transaldolase (EC 2.2.1.2) (nmpd|SPy2048|mipB; 515469)	2	0.094594595	442752.3714	66942.56202	2	4	96040.86524	0	1	1	325157.284	19924.28026	2	4	148585.299	84549.57895	6	8	526411.8029	74768.64261	2	2	1	1
Low temperature requirement C protein (nmpd|SPy2045|; 515709)	2	0.153846154	167284.8243	11697.43573	2	3	45932.3787	37247.8785	2	2	105447.5563	81001.64513	3	4	129207.3258	42711.17217	5	7	245109.6822	4716.362076	2	2	1	1
hypothetical protein (nmpd|SPy2033|; 520034)	2	0.231343284	1191980.61	368568.8659	3	4	489562.956	58791.43732	3	4	1000982.281	224385.7906	3	5	1182597.367	282184.4455	6	11	1235775.018	272237.5129	3	3	1	1
Alkaline shock protein 2 (nmpd|SPy1886|; 326330)	2	0.099173554	113677.0996	33536.7684	3	3	51576.45579	7030.351082	3	3	140245.6951	70707.20148	2	3	138651.2978	46426.12814	6	9	0	0	0	0	1	1
Acetyl-coenzyme A carboxyl transferase beta chain (EC 6.4.1.2) (nmpd|SPy1744|accD; 514975)	2	0.111111111	273544.2656	47472.78304	3	3	85351.57483	47082.65904	3	3	30921.63761	0	1	1	327508.664	134035.3474	6	11	110034.1839	0	1	1	1	1
Transcriptional regulator 2C LytR family (nmpd|SPy1733|; 515831)	2	0.056603774	0	0	0	0	32370.42057	0	1	1	32159.8865	0	1	1	0	0	0	0	0	0	0	0	1	1
Putative cell-cycle regulation histidine triad (HIT) protein (nmpd|SPy1730|; 326185)	2	0.244604317	0	0	0	0	21406.45469	0	1	1	34638.11702	6542.297544	2	2	56722.28032	22581.4797	2	2	0	0	0	0	1	1
ABC transporter membrane-spanning permease - aspartate 2Fglutamate transport (nmpd|SPy1658|; 515783)	2	0.097378277	42635.55085	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
NAD synthetase (EC 6.3.1.5) (nmpd|SPy1652|nadE; 515418)	2	0.098540146	369301.7631	0	1	1	0	0	0	0	815604.0807	0	1	1	323761.1784	226906.7476	2	3	0	0	0	0	1	1
Ribosylhomocysteinase (EC 3.2.1.148) 2F Autoinducer-2 production protein LuxS (nmpd|SPy1642|luxS; 515315)	2	0.1875	235353.7279	51729.27882	3	3	203492.7785	24809.70578	3	4	270992.1145	119234.4349	3	4	248383.486	20928.52902	6	6	605942.8779	216267.3977	3	3	1	1
hypothetical protein (nmpd|SPy1572|; 326033)	2	0.273809524	825087.2915	544270.9016	3	6	660052.8199	410903.2397	3	4	851416.9533	124022.4384	3	5	1167849.286	320858.4204	6	13	1016390.011	59335.54223	2	4	1	1
ATP-dependent protease La (EC 3.4.21.53) (nmpd|SPy1536|; 326006)	2	0.110144928	0	0	0	0	8336.080917	0	1	1	28583.18729	0	1	1	0	0	0	0	0	0	0	0	1	1
UDP-N-acetylmuramoylalanine--D-glutamate ligase (EC 6.3.2.9) (nmpd|SPy1525|murD; 514947)	2	0.077433628	0	0	0	0	28691.36314	0	1	1	67740.01057	44029.2651	2	3	51898.85244	42592.45636	2	3	0	0	0	0	1	1
Glucosamine-6-phosphate deaminase (EC 3.5.99.6) (nmpd|SPy1399|nagB; 515086)	2	0.158119658	0	0	0	0	17874.10464	9304.10594	2	2	55997.57955	15252.02504	2	2	40878.30574	5823.759451	3	3	0	0	0	0	1	1
Transcriptional regulator 2C GntR family (nmpd|SPy1285|; 515371)	2	0.260162602	0	0	0	0	0	0	0	0	9262.670905	0	1	1	67361.90116	0	1	1	0	0	0	0	1	1
Transcriptional regulator 2C GntR family (nmpd|SPy1259|; 515969)	2	0.164319249	0	0	0	0	0	0	0	0	31020.7904	0	1	1	39771.71109	0	1	1	0	0	0	0	1	1
Phosphate transport ATP-binding protein pstB (TC 3.A.1.7.1) (nmpd|SPy1241|pstB; 514914)	2	0.106719368	0	0	0	0	94958.00304	42924.68207	3	3	144522.3149	44390.74049	3	3	57526.87099	28709.95413	3	3	0	0	0	0	1	1
Glycine cleavage system H protein (nmpd|SPy1217|; 325639)	2	0.218181818	586945.0038	195765.3802	3	5	560014.2138	69831.88024	3	4	567891.129	67762.55225	2	3	574724.435	101867.8645	6	9	2058732.662	614694.1626	3	6	1	1
Anaerobic ribonucleoside-triphosphate reductase (EC 1.17.4.2) (nmpd|SPy1211|; 325633)	2	0.237288136	0	0	0	0	76046.67852	22010.52284	2	2	133530.6512	0	1	1	87525.80289	29326.2734	4	4	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1193|; 515747)	2	0.15625	154664.7353	34654.6784	3	4	64759.98881	0	1	1	229670.9964	92839.82279	3	5	122256.3739	53384.86397	5	7	0	0	0	0	1	1
UDP-N-acetylenolpyruvoylglucosamine reductase (EC 1.1.1.158) (nmpd|SPy1101|murB; 515916)	2	0.098305085	266023.4205	0	1	2	115138.5253	48629.57638	3	3	62561.42216	8338.996461	2	2	115011.6828	57333.25117	3	5	0	0	0	0	1	1
Polysaccharide deacetylase (nmpd|SPy1094|; 515784)	2	0.084375	0	0	0	0	0	0	0	0	0	0	0	0	18691.03356	0	1	1	0	0	0	0	1	1
GTPase and tRNA-U34 5-formylation enzyme TrmE (nmpd|SPy1071|thdF; 515955)	2	0.063318777	41236.42241	0	1	1	32740.84972	0	1	1	53058.59563	4714.414297	3	3	39666.30403	12692.28283	2	2	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1037|; 515743)	2	0.094339623	118963.2307	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0942|; 520067)	2	0.107526882	0	0	0	0	15626.9598	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0919|; 325466)	2	0.655172414	1103768.705	300404.4037	3	5	415183.5279	70042.92469	3	4	726048.195	210573.0658	3	5	622626.5376	319266.656	6	9	641242.3074	116814.3383	3	3	1	1
Hydroxymethylglutaryl-CoA synthase (EC 2.3.3.10) (nmpd|SPy0881|mvaS.2; 515029)	2	0.061381074	356242.6994	53448.67503	3	6	99322.26308	18049.37689	2	2	378762.2894	115435.4035	2	4	267769.042	180872.3287	6	11	59549.44892	0	1	1	1	1
Thioredoxin reductase (EC 1.8.1.9) (nmpd|SPy0850|; 515749)	2	0.096969697	188909.6289	33721.16478	3	3	146519.9301	0	1	1	150713.6543	9444.19741	3	3	120874.8929	30827.18174	6	6	192704.1556	13356.62302	2	2	1	1
LSU ribosomal protein L21p (nmpd|SPy0819|rplU; 325370)	2	0.288461538	50244159.48	15098548.35	3	6	57918100.54	605255.3829	3	6	47162737.04	7732390.597	3	6	46964458.58	2274927.982	6	12	45196265.82	10588579.48	3	6	1	1
Phosphoglycerol transferase (nmpd|SPy0793|; 515902)	2	0.040048544	0	0	0	0	19114.5344	0	1	1	35158.55674	8454.880177	2	2	54491.10076	5575.16809	2	2	0	0	0	0	1	1
ATP synthase epsilon chain (EC 3.6.3.14) (nmpd|SPy0761|atpC; 350750)	2	0.195652174	320183.1375	48100.95782	2	2	92464.53262	27935.94512	2	3	340021.2185	11760.1566	2	4	300651.8442	91954.89285	6	10	364021.0096	29615.81322	2	2	1	1
Flavodoxin (nmpd|SPy0721|; 325287)	2	0.248322148	0	0	0	0	0	0	0	0	0	0	0	0	58479.93104	0	1	1	0	0	0	0	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0617|; 325252)	2	0.089219331	210494.9985	81924.71107	3	4	140984.7085	63826.31706	3	4	363676.4996	12893.16175	3	3	369705.1953	110137.3105	6	11	354852.6079	32310.84918	2	2	1	1
Phosphoglycerate mutase (EC 5.4.2.1) (nmpd|SPy0598|; 520069)	2	0.130434783	58831.97783	0	1	1	28878.23384	13020.09463	3	3	70760.89166	16210.92359	3	3	42939.68822	36907.28276	3	3	0	0	0	0	1	1
PROTEASE (EC 3.4.-.-) (nmpd|SPy0590|; 515931)	2	0.107142857	0	0	0	0	0	0	0	0	37801.0452	7092.164134	2	2	34751.54616	1502.419206	2	2	0	0	0	0	1	1
Hydrolase (HAD superfamily) (nmpd|SPy0568|; 515664)	2	0.135036496	77565.5816	0	1	1	36979.13017	12192.91382	2	2	88329.34744	33131.147	3	4	62850.78745	14357.89734	5	6	0	0	0	0	1	1

Two-component response regulator SA14-24 (nmpd|SPy0528|vicR; 325188)	2	0.11440678	998939.5999	147351.5771	3	6	585097.2304	161822.4608	3	4	1302340.158	228301.3605	3	6	1222307.703	232714.6548	6	12	947606.8533	95307.55782	2	4	1	1
Oxygen-insensitive NAD(P)H nitroreductase (EC 1.-.-.-) 2F Dihydropteridine reductase (EC 1.6.99.7) (nmpd|SPy0512|; 515395)	2	0.113122172	0	0	0	0	130251.8272	78906.14458	3	3	246459.9858	135201.4076	3	5	215740.1022	56916.43101	6	7	0	0	0	0	1	1
S1 RNA binding domain (nmpd|SPy0464|; 515851)	2	0.122807018	0	0	0	0	36523.63247	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Tetrapyrrole (Corrin-Porphyrin) methylase family protein (nmpd|SPy0406|; 514847)	2	0.118466899	49214.90715	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Membrane protein oxaA 2 precursor (nmpd|SPy0351|; 515176)	2	0.087947883	268797.6779	33911.69497	3	3	236465.5486	36173.51117	3	3	179742.6817	27316.73377	2	2	158018.6132	92693.80832	4	4	0	0	0	0	1	1
COG1559 protein yceG like (nmpd|SPy0348|; 515319)	2	0.076335878	88226.204	75247.2617	2	2	148562.5071	63044.75542	3	3	114179.7744	16166.94636	3	3	99341.69437	71285.008	5	6	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0343|; 515417)	2	0.145	27916.37529	0	1	1	0	0	0	0	0	0	0	0	35612.95472	0	1	1	0	0	0	0	1	1
Methionine ABC transporter substrate-binding protein (nmpd|SPy0319|; 515375)	2	0.110320285	40651.33704	12694.2959	2	2	0	0	0	0	69684.69143	30453.3246	3	5	44213.57833	6838.021864	3	3	61460.14771	0	1	1	1	1
hypothetical protein (nmpd|SPy0310|; 515936)	2	0.2	1014267.508	281343.4754	2	2	648196.3869	165007.5854	3	3	790332.0339	114166.7893	3	4	906729.4993	242634.7178	6	10	2118063.957	273021.8782	3	4	1	1
Thiamin pyrophosphokinase (EC 2.7.6.2) (nmpd|SPy0265|; 515840)	2	0.147619048	0	0	0	0	0	0	0	0	0	0	0	0	100916.4886	62585.03485	3	3	0	0	0	0	1	1
Putative deoxyribonuclease YcfH (nmpd|SPy0260|; 515166)	2	0.094890511	444273.2569	0	1	1	313906.5705	0	1	1	364785.884	0	1	1	0	0	0	0	237473.0585	50175.73881	2	2	1	1
LSU ribosomal protein L36p (nmpd|SPy0076|rpmJ; 324838)	2	0.605263158	22822315.93	4405479.292	3	5	39324496.84	4724285.859	3	6	22967156.84	1877618.084	3	5	16702022.55	3066966.897	6	7	18690577.33	7823379.911	3	3	1	1
Translation initiation factor 1 (nmpd|SPy0075|infA; 350746)	2	0.319444444	2040670.528	736963.6604	3	5	3551622.103	236939.6252	3	6	2677333.604	55190.31706	3	6	2311003.947	194520.3659	6	12	2330475.222	50700.5666	3	6	1	1
Phosphoribosylformylglycinamidine cyclo-ligase (EC 6.3.3.1) (nmpd|SPy0027|purM; 515125)	2	0.088235294	0	0	0	0	0	0	0	0	48092.79123	0	1	1	0	0	0	0	0	0	0	0	1	1
Acyl carrier protein (nmpd|SPy0023|acpP.2; 533407)	2	0.2	416798.4248	121231.1092	3	6	114980.1637	24265.24493	3	3	320671.2005	6398.738663	3	4	297279.858	52260.17102	6	7	188719.3651	29094.34135	2	2	1	1
Chromosomal replication initiator protein dnaA (nmpd|SPy0002|dnaA; 324723)	2	0.055432373	77003.05138	0	1	1	66330.1107	0	1	1	0	0	0	0	54513.68443	20230.67793	2	2	0	0	0	0	1	1
Translation initiation inhibitor (nmpd|SPy0145|; 324891)	1	0.090909091	254788.3921	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
UDP-N-acetylmuramoylalanyl-D-glutamate--2 2C6-diaminopimelate ligase (EC 6.3.2.13) (nmpd|SPy0388|murE; 514863)	1	0.020790021	0	0	0	0	20567.25729	0	1	1	35951.05652	0	1	1	28263.38739	0	1	1	0	0	0	0	0	1
Tributyrin esterase (nmpd|SPy1022|estA; 515774)	1	0.061302682	121849.7189	0	1	1	0	0	0	0	89041.0292	33160.66392	2	2	123373.0967	43868.28375	4	4	46972.94607	0	1	1	0	1
Low molecular weight protein tyrosine phosphatase (EC 3.1.3.48) (nmpd|SPy0039|; 324807)	1	0.075862069	19757.42523	0	1	1	0	0	0	0	0	0	0	0	46189.24464	14004.56622	2	2	0	0	0	0	0	1
Phosphate starvation-inducible protein PhoH 2C predicted ATPase (nmpd|SPy0471|phoH; 515767)	1	0.034285714	0	0	0	0	15015.10044	0	1	1	0	0	0	0	27003.66254	0	1	1	0	0	0	0	0	1
UDP-N-acetylglucosamine--N-acetylmuramyl-(pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosam (nmpd|SPy1524|murG; 520060)	1	0.036111111	0	0	0	0	0	0	0	0	11719.59606	0	1	1	19786.12566	0	1	1	0	0	0	0	0	1
Phosphoenolpyruvate carboxylase (EC 4.1.1.31) (nmpd|SPy0608|; 515182)	1	0.018478261	0	0	0	0	0	0	0	0	16127.31124	0	1	1	0	0	0	0	0	0	0	0	0	1
Arsenate reductase (EC 1.20.4.1) (nmpd|SPy0891|arsC; 515697)	1	0.123287671	0	0	0	0	35361.36464	17305.16137	2	2	33000.14432	0	1	1	26606.15997	0	1	1	0	0	0	0	1	1
Hydroxymethylglutaryl-CoA reductase (EC 1.1.1.34) (nmpd|SPy0880|mvaS.1; 515891)	1	0.054117647	0	0	0	0	0	0	0	0	63643.46081	2009.437855	2	2	37450.15701	0	1	1	0	0	0	0	1	1
predicted metal-dependent hydrolase (nmpd|SPy0473|; 514994)	1	0.054545455	71090.46227	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	126517.8425	0	1	1	1	1
Mutator mutT protein (7 2C8-dihydro-8-oxoguanine-triphosphatase) (EC 3.6.1.-) (nmpd|SPy1510|mutT; 325981)	1	0.092715232	220165.3487	8004.75707	2	2	90498.88133	0	1	1	132049.2192	20424.05118	2	2	197007.8538	58161.31087	6	6	196784.8144	14661.03881	2	2	1	1
hypothetical protein (nmpd|SPy1875|; 326321)	1	0.092105263	1081740.699	165456.1591	3	3	839062.2557	69723.21359	3	3	761640.3707	238243.9929	3	3	532719.4164	67763.89273	5	5	1865205.738	230852.6169	3	3	1	1
Methylenetetrahydrofolate dehydrogenase (NADP 2B) (EC 1.5.1.5) 2F Methenyltetrahydrofolate cyclohyd (nmpd|SPy1502|folD; 515791)	1	0.052816901	32381.56723	0	1	1	0	0	0	0	0	0	0	0	22100.894	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0844|; 325390)	1	0.090225564	164897.1335	28165.75996	2	2	140588.5495	32192.60273	3	3	58508.74735	17322.1524	2	2	78435.1799	10594.07985	4	4	189702.3484	16984.87958	3	3	1	1
COG0779 3A clustered with transcription termination protein NusA (nmpd|SPy1725|; 515855)	1	0.086614173	363322.8846	134998.0185	3	3	403316.2323	80384.26472	3	3	300589.4736	22528.68716	3	3	283574.1301	22549.90564	6	6	583730.663	96191.9577	3	3	1	1
Transporter (nmpd|SPy2209|; 326592)	1	0.044827586	0	0	0	0	21258.98707	12658.09659	2	2	49598.0046	0	1	1	0	0	0	0	0	0	0	0	1	1
ABC-type cobalt transport system 2C ATPase component CbiO and related transporters (nmpd|SPy2195|; 515193)	1	0.047297297	0	0	0	0	35400.11954	0	1	1	72715.27238	22079.04483	3	3	54352.35409	5620.214751	4	4	0	0	0	0	1	1
Putative Holliday junction resolvase (EC 3.1.-.-) (nmpd|SPy2113|; 350762)	1	0.09352518	0	0	0	0	25739.42808	0	1	1	0	0	0	0	45127.77619	0	1	1	0	0	0	0	1	1
Hypothetical protein SPy2060 (nmpd|SPy2060|; 326468)	1	0.079365079	104076.3984	0	1	1	150586.4978	104901.481	3	3	126325.9601	16647.36587	2	2	254747.8617	80914.04653	5	5	152515.3223	30820.68449	2	2	1	1
Preprotein translocase subunit SecE (TC 3.A.5.1.1) (nmpd|SPy2058|; 326465)	1	0.155172414	40454.35745	0	1	1	0	0	0	0	0	0	0	0	34971.28181	27274.36452	2	2	0	0	0	0	1	1
DegV family protein (nmpd|SPy1936|; 326372)	1	0.031468531	158960.0643	7568.711318	2	2	72541.44417	0	1	1	0	0	0	0	138119.0529	52316.0785	3	3	0	0	0	0	1	1
Inactive homolog of metal-dependent proteases 2C putative molecular chaperone (nmpd|SPy1874|; 515324)	1	0.060344828	0	0	0	0	0	0	0	0	0	0	0	0	47214.36053	0	1	1	0	0	0	0	1	1
Glycerol uptake facilitator protein (nmpd|SPy1854|glpF.2; 326301)	1	0.06984127	0	0	0	0	0	0	0	0	63971.03366	0	1	1	41476.06824	0	1	1	0	0	0	0	1	1
Magnesium and cobalt transport protein CorA (nmpd|SPy1827|; 326279)	1	0.038216561	0	0	0	0	44158.87041	0	1	1	71632.24681	19117.86218	2	2	43633.4217	0	1	1	0	0	0	0	1	1
Transcriptional regulator of fatty acid biosynthesis (nmpd|SPy1755|fabT; 515361)	1	0.076388889	0	0	0	0	43625.23221	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
3-oxoacyl- 5Bacyl-carrier-protein 5D synthase 2C KASIII (EC 2.3.1.41) (nmpd|SPy1754|fabH; 515345)	1	0.058641975	43413.40531	8873.445922	2	2	56404.22928	13861.34258	2	2	48160.97932	9471.679575	2	2	74660.0615	28088.33198	5	5	0	0	0	0	1	1
Acyl carrier protein (nmpd|SPy1753|acpP; 326206)	1	0.148648649	9791567.411	6498968.49	3	3	7733089.561	586690.9589	3	3	4043929.65	1249709.069	3	3	11848173.37	773320.3641	6	6	21038771.3	2643331.527	3	3	1	1
aminoglycoside phosphotransferase family protein (nmpd|SPy1727|; 326182)	1	0.045627376	140494.4597	30997.67466	2	2	76609.33947	0	1	1	82857.25924	28828.85309	2	2	74142.22515	29027.14353	4	4	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1697|; 326158)	1	0.066666667	164658.1967	61563.61246	3	3	116927.8298	23098.8175	3	3	204099.5943	32014.1879	3	3	100595.5956	26367.477	6	6	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1687|; 326150)	1	0.152941176	368389.1266	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	680288.9942	0	1	1	1	1
Butyrate-acetoacetate CoA-transferase subunit A (EC 2.8.3.9) (nmpd|SPy1638|atoD.1; 515180)	1	0.097222222	0	0	0	0	0	0	0	0	21140.08593	0	1	1	0	0	0	0	0	0	0	0	1	1
Lipase 2FAcylhydrolase with GDSL-like motif (nmpd|SPy1492|; 515312)	1	0.041958042	30243.21995	0	1	1	16133.43356	5074.088771	2	2	33631.3215	0	1	1	35403.79344	0	1	1	0	0	0	0	1	1
Glutaredoxin-like protein NrdH (involved in electron transport system for ribonucleotide reductase s (nmpd|SPy1374|nrdH; 515046)	1	0.333333333	49683.44838	0	1	1	96389.51475	2268.440753	2	2	94618.59581	49550.89542	2	2	68371.79813	55698.35231	2	2	0	0	0	0	1	1
Biotin-protein ligase (EC 6.3.4.15) 2F Biotin operon repressor (nmpd|SPy1362|birA; 515465)	1	0.041533546	0	0	0	0	0	0	0	0	20854.51033	0	1	1	49572.06619	0	1	1	0	0	0	0	1	1
Lactoylglutathione lyase (EC 4.4.1.5) (nmpd|SPy1155|; 515358)	1	0.087591241	0	0	0	0	0	0	0	0	0	0	0	0	36514.51489	15553.21997	2	2	62959.41481	0	1	1	1	1
Thymidine kinase (EC 2.7.1.21) (nmpd|SPy1140|tdk2; 515055)	1	0.079365079	103939.2233	0	1	1	70930.4131	38235.50612	3	3	152659.0465	12229.85401	3	3	108144.9926	25311.82064	6	6	0	0	0	0	1	1
ABC transporter 2C periplasmic spermidine putrescine-binding protein potD (TC_3.A.1.11.1) (nmpd|SPy1105|potD; 325546)	1	0.058823529	0	0	0	0	35967.92573	0	1	1	24113.1804	0	1	1	0	0	0	0	0	0	0	0	1	1
Cystathionine beta-lyase (EC 4.4.1.8) (EC 4.4.1.1) (nmpd|SPy0923|; 520082)	1	0.090047393	0	0	0	0	80157.88939	0	1	1	77835.69333	7143.935424	2	2	65811.39731	15817.79266	3	3	0	0	0	0	1	1
6-aminohexanoate-cyclic-dimer hydrolase (EC 3.5.2.12) (nmpd|SPy0902|amiC; 515210)	1	0.030991736	0	0	0	0	12718.35873	2120.170327	2	2	12170.09932	0	1	1	36255.96177	5561.325665	2	2	0	0	0	0	1	1
tRNA (guanine-N1)-methyltransferase (EC 2.1.1.31) (nmpd|SPy0849|trmD; 533388)	1	0.057613169	88357.19816	0	1	1	0	0	0	0	67707.0895	6923.789772	2	2	90882.00575	10627.34273	2	2	0	0	0	0	1	1
Large-conductance mechanosensitive channel (nmpd|SPy0780|mscL; 325334)	1	0.125	751665.0166	517404.5991	3	3	224987.1436	29926.84397	2	2	626478.9796	544492.8821	3	3	323126.6363	145777.8801	5	5	319844.5982	50677.41949	2	2	1	1
Neutral zinc metallopeptidase family (nmpd|SPy0775|; 325329)	1	0.036065574	0	0	0	0	0	0	0	0	38614.54329	0	1	1	37206.28123	9218.299496	2	2	0	0	0	0	1	1
DNA ligase (EC 6.5.1.2) (nmpd|SPy0751|; 514855)	1	0.023006135	0	0	0	0	24291.10487	0	1	1	48584.57955	1309.346835	2	2	44116.13278	4496.436571	2	2	0	0	0	0	1	1
Hydroxyacylglutathione hydrolase (EC 3.1.2.6) (nmpd|SPy0646|; 520079)	1	0.068965517	0	0	0	0	26500.57573	0	1	1	0	0	0	0	28028.46153	3918.058822	3	3	0	0	0	0	1	1
Cell division protein ftsX (nmpd|SPy0645|ftsX; 515759)	1	0.067307692	152574.9534	0	1	1	0	0	0	0	149793.7232	7844.873648	2	2	74168.26595	0	1	1	0	0	0	0	1	1
putative peptidoglycan branched peptide synthesis protein 2C serine 2Falanine adding enzyme (nmpd|SPy0616|murM; 515208)	1	0.06127451	0	0	0	0	0	0	0	0	19797.38441	0	1	1	0	0	0	0	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0577|; 515945)	1	0.431372549	672058.5734	556155.3472	3	3	456625.5225	39489.91646	2	2	1355890.579	382541.2098	3	3	1153135.804	362115.1732	5	5	0	0	0	0	1	1
hypothetical protein (nmpd|SPy0439|; 515920)	1	0.141025641	1218414.414	478903.5004	3	3	539916.1068	295008.8648	3	3	1931670.195	84858.62699	3	3	1124588.112	214260.0058	6	6	445284.5412	237505.1264	2	2	1	1
Initiation-control protein yabA (nmpd|SPy0405|; 325079)	1	0.121495327	0	0	0	0	0	0	0	0	57199.06622	5248.662259	2	2	47354.79964	5724.197836	4	4	97459.08327	0	1	1	1	1
CBS domain containing protein (nmpd|SPy0364|; 325051)	1	0.078431373	127745.1933	0	1	1	149483.7312	30778.74034	2	2	173239.9582	54417.58661	3	3	134886.6009	61673.27757	4	4	0	0	0	0	1	1
Negative regulator of genetic competence MecA (nmpd|SPy0281|mecA; 515387)	1	0.043478261	0	0	0	0	0	0	0	0	80031.03391	0	1	1	68950.00069	29570.36251	2	2	0	0	0	0	1	1
hypothetical protein SPy0238 [Streptococcus pyogenes M1 GAS] (ref|NP_268597.1|; 515440)	1	0.082251082	0	0	0	0	0	0	0	0	34761.6511	0	1	1	13971.52504	0	1	1	0	0	0	0	1	1
EftLSL.A, Pilus backbone, tee1 (nmpd|SPy0128| ; 515676)	1	0.044117647	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127341.4578	54138.32144	2	2	1	1
Preprotein translocase secY subunit (TC 3.A.5.1.1) (nmpd|SPy0073|secY; 515722)	1	0.032258065	115886.638	121470.0599	3	3	183835.6144	45634.56251	2	3	173112.6	0	1	2	139602.1604	110577.0221	4	6	0	0	0	0	1	1
possible abortive infection phage resistance protein (nmpd|SPy0035|abiR; 515786)	1	0.029250457	0	0	0	0	59078.48529	0	1	1	37874.88781	10048.14303	2	2	33570.05103	2776.488498	2	2	0	0	0	0	1	1
hypothetical protein SPy0009 [Streptococcus pyogenes M1 GAS] (ref|NP_268430.1|; 533464)	1	0.091836735	124808.0717	8687.047008	2	2	69887.43421	5134.833905	2	2	119988.5391	24478.99931	3	3	114518.6038	38041.24982	6	6	0	0	0	0	1	1
SSU ribosomal protein S14p (S29e) (nmpd|SPy0064|rpsN; 324828)	1	0.147540984	615061.7423	0	1	1	1728967.021	315.6582465	2	2	1184767.435	139555.237	3	3	956062.1087	170242.2647	5	5	915224.7271	0	1	1	1	1
N-acetylglucosamine-6-phosphate deacetylase (EC 3.5.1.25) (nmpd|SPy1694|nagA; 515688)	1	0.034031414	169083.5395	29238.09387	2	2	54072.76009	3982.65452	2	2	135989.0979	7518.964243	2	2	95687.17321	27235.49553	6	6	232173.2879	16424.48127	2	2	1	1
Dicarboxylate 2Famino acid 3Acation (Na 2B or H 2B) symporter (nmpd|SPy0324|; 515513)	1	0.037128713	73083.25745	0	1	1	73298.43506	0	1	1	44021.39721	0	1	1	29646.16409	0	1	1	0	0	0	0	1	1
hypothetical protein (nmpd|SPy2181|; 515896)	1	0.1	312656.6544	0	1	1	326690.0057	38460.78821	3	3	227896.5427	0	1	1	171139.5541	53484.24164	3	3	600844.4486	148570.2461	2	2	1	1
Carbamate kinase (EC 2.7.2.2) (nmpd|SPy1541|arcC; 515517)	1	0.050632911	162038.0106	0	1	1	35624.29419	0	1	1	0	0	0	0	0	0	0	0	236199.9162	42584.66638	3	3	1	1
Peptide methionine sulfoxide reductase (EC 1.8.4.6) (nmpd|SPy0466|msrA.2; 533379)	1	0.112426036	176160.4891	0	1	1	0	0	0	0	134020.387	12717.84685	2	2	91573.10707	0	1	1	0	0	0	0	1	1
hypothetical protein SPy1989 [Streptococcus pyogenes M1 GAS] (ref|NP_269953.1|; 515927)	1	0.118881119	0	0	0	0	41928.6085	0	1	1	41318.137	3041.500514	2	2	34867.57028	13653.58274	4	4	0	0	0	0	1	1
ABC transporter ATP-binding protein - glutamine transport (nmpd|SPy1275|; 515475)	1	0.071770335	0	0	0	0	84223.17594	0	1	1	76965.42359	0	1	1	0	0	0	0	203318.7597	25204.07053	2	2	1	1
Hypothetical protein SPy1581 (nmpd|SPy1581|; 326038)	1	0.107142857	38622.91474	0	1	1	0	0	0	0	0	0	0	0	70424.40818	46123.41419	2	3	0	0	0	0	1	1
3-dehydroquinate synthase (EC 4.2.3.4) (nmpd|SPy1577|aroB; 514960)	1	0.036414566	0	0	0	0	0	0	0	0	50822.88693	5145.940081	2	2	19287.77075	14715.16793	3	3	0	0	0	0	1	1
hypothetical protein (nmpd|SPy1508|; 515392)	1	0.171052632	146284.456	0	1	1	310488.9898	148775.473	2	3	270167.4011	130002.7486	3	4	310114.3779	130168.6722	6	9	160239.081	0	1	1	1	1
ABC transporter ATP-binding protein (nmpd|SPy0837|; 515928)	1	0.074561404	46425.35651	0	1	1	29432.117	0	1	1	53410.04014	3125.590993	2	2	53421.17524	8125.61916	4	4	0	0	0	0	1	1
Transcriptional repressor AdcR for Zn(2 2B)-responsive expression (nmpd|SPy0092|adcR; 515533)	1	0.108843537	0	0	0	0	0	0	0	0	0	0	0	0	56948.24931	24785.16551	3	3	0	0	0	0	1	1
putative cI-like repressor 2C phage associated (nmpd|SPy0657|; 515971)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104984.8026	0	1	1	0	0	0	0	0	1
Putative regulator of the mannose operon 2C ManO (nmpd|SPy1741|; 326195)	0	0	0	0	0	0	10797.20154	0	1	1	29168.33359	0	1	1	0	0	0	0	0	0	0	0	0	1
Putative pyruvate formate lyase 3 (nmpd|SPy2049|pflD; 417487)	0	0	0	0	0	0	84523.85917	7073.164011	2	2	0	0	0	0	100522.1029	0	1	1	0	0	0	0	1	1

n_u_pep, number of unique peptides; seq_cov, sequence coverage; n, number of replicates; pep, number of peptides; fdr_1p, 1% false discovery rate; fdr_5p, 5% false discovery rate