

Supplemental Table 1. List of all quantified proteins from CA-MRSA USA300 and its *codY* mutant during post-exponential phase. Ratio and standard deviation values are Log₂ transformed.

Sequence ID	Gene	Sequence Name	HOU <i>codY</i> Ratio	HOU <i>codY</i> StdDev	Protein Length (AA)	Protein Weight (kDa)	Total Score	Total Peptides (Paris Guidelines)
SAUSA300_0951	<i>sspA</i>	V8 protease	4.07	2.28	336	36.28559678	679.55	9
SAUSA300_2572	<i>aur</i>	Zinc metalloproteinase aureolysin	3.82	2.71	509	56.30886538	1516.18	24
SAUSA300_0994	<i>pdhB</i>	Pyruvate dehydrogenase E1 component, beta subunit	3.14	4.49	325	35.20614315	196.66	4
SAUSA300_2441	<i>fnbA</i>	Fibronectin-binding protein A	2.99	2	1018	111.62417	529.51	9
SAUSA300_1754	<i>splE</i>	Serine protease	2.86	0.46	238	25.64540227	301.25	6
SAUSA300_1382	<i>lukS-PV</i>	Panton-Valentine leukocidin	2.79	1.73	312	35.27356228	986.33	17
SAUSA300_1759		Putative uncharacterized protein	2.76	2.06	188	20.32449146	893.13	13
SAUSA300_2366	<i>hlgC</i>	Gamma-hemolysin component C	2.75	2.1	315	35.57391794	905.79	18
SAUSA300_1757	<i>splB</i>	Serine protease	2.72	2.29	240	26.0625146	854.37	15
SAUSA300_1029	<i>isdA</i>	Iron-regulated surface determinant protein A	2.54	1.66	350	38.70392863	180.82	5
SAUSA300_0995		Dihydrolipoamide acetyltransferase	2.53	3.3	430	46.33564073	141.45	5
SAUSA300_1769	<i>lukE</i>	Leukotoxin	2.34	2.18	311	34.77971889	471.91	8
SAUSA300_0815	<i>ear</i>	Ear protein	2.3	2.07	184	20.40659272	397.86	10
SAUSA300_1381	<i>lukF-PV</i>	Panton-Valentine leukocidin	2.29	2	325	36.92138469	1070.2	19
SAUSA300_0950	<i>sspB</i>	Cysteine protease	2.15	2.13	393	44.47325267	2028.49	24
SAUSA300_0409		Putative uncharacterized protein	1.86	0.58	102	11.27681814	265.18	6
SAUSA300_1768	<i>lukD</i>	Leukotoxin	1.79	1.89	327	36.84833576	479.15	9
SAUSA300_0307		5'-nucleotidase, lipoprotein e(P4) family	1.68	0.74	296	33.31333618	571.53	11
SAUSA300_2367	<i>hlgB</i>	Gamma-hemolysin component B	1.61	1.91	325	36.67032865	897.11	19
SAUSA300_2177	<i>rplQ</i>	50S ribosomal protein L17	1.38	2.8	122	13.72143655	206.22	3
SAUSA300_0776	<i>nuc</i>	Thermonuclease	1.29	2.02	228	25.08599091	1457.75	24
SAUSA300_0532	<i>fusA</i>	Elongation factor G	1.14	1	693	76.54595394	347.75	7
SAUSA300_1758	<i>splA</i>	Serine protease	1.13	3.01	235	25.51505805	104.43	2
SAUSA300_0224	<i>coa</i>	Staphylocoagulase	1.02	2.1	609	68.72057008	1186.83	23
SAUSA300_1890	<i>scpA</i>	Staphopain A	0.98	1.66	388	44.21658258	883.26	18

SAUSA300_2205	<i>rpsJ</i>	30S ribosomal protein S10	0.96	0.27	102	11.5513354	44.16	1
SAUSA300_1920	<i>chp</i>	Chemotaxis inhibitory protein	0.88	0.72	149	17.02886361	430.97	9
SAUSA300_1131	<i>rpsP</i>	30S ribosomal protein S16	0.83	2.66	91	10.21053261	163.92	3
SAUSA300_1058	<i>hla</i>	Alpha-hemolysin	0.64	1.31	319	35.93296263	2268.47	25
SAUSA300_0693		Putative lipoprotein	0.61	0.76	146	16.01716909	504.65	10
SAUSA300_1982	<i>groL</i>	60 kDa chaperonin	0.54	0.59	538	57.57658448	70.77	2
SAUSA300_2540	<i>fda</i>	Fructose-bisphosphate aldolase class 1	0.52	1.07	296	33.01607025	99.78	3
SAUSA300_0703	<i>ltaS</i>	Glycerol phosphate lipoteichoic acid synthase	0.48	1.7	646	74.33499216	1472.8	22
SAUSA300_1753	<i>spIF</i>	Serine protease	0.48	2.53	239	25.60720671	423.61	10
SAUSA300_0270	<i>lytM</i>	Peptidoglycan hydrolase	0.45	1.26	316	34.27741142	202.21	3
SAUSA300_0760	<i>eno</i>	Enolase	0.41	3.04	434	47.06977776	293.32	6
SAUSA300_0370		Putative staphylococcal enterotoxin	0.4	2.1	203	23.13325377	247.92	7
SAUSA300_2506	<i>isaA</i>	Probable transglycosylase	0.24	2.11	233	24.17043842	354.35	5
SAUSA300_0279		Putative membrane protein	0.22	2.14	1009	114.7358152	172.07	5
SAUSA300_1755	<i>spID</i>	Serine protease	0.18	2.58	239	25.64424825	455.87	11
SAUSA300_0320		Triacylglycerol lipase	0.14	1.97	690	76.35304634	2672.48	47
SAUSA300_2365	<i>hlgA</i>	Gamma-hemolysin component A	0.11	1.75	309	34.91611993	1076.39	15
SAUSA300_1790	<i>prsA</i>	Foldase protein	0.08	2.34	320	35.59773713	282.13	8
SAUSA300_0756	<i>gap</i>	Glyceraldehyde-3-phosphate dehydrogenase, type I	0.06	3.07	336	36.24035133	322.92	7
SAUSA300_2186	<i>rpmD</i>	50S ribosomal protein L30	0.01	1.97	59	6.53168062	176.36	3
SAUSA300_0424.1	<i>psmA4</i>	Phenol-soluble modulins alpha 4 peptide	0	2.32	20	2.15234226	127.16	2
SAUSA300_0009	<i>serS</i>	Seryl-tRNA synthetase	0	3.61	428	48.59141695	86.19	2
SAUSA300_1922	<i>sak</i>	Staphylokinase	-0.02	0.95	163	18.44470116	251.02	5
SAUSA300_1053	<i>flr</i>	FPRL1 inhibitory protein	-0.05	0.75	133	15.17510542	299.26	8
SAUSA300_2193	<i>rplX</i>	50S ribosomal protein L24	-0.09	0.63	105	11.51136164	95.42	1
SAUSA300_0883		Putative surface protein	-0.11	0.7	144	15.81034481	1062.63	13
SAUSA300_2183	<i>adk</i>	Adenylate kinase	-0.14	0.77	215	23.94124835	274.33	5
SAUSA300_1459	<i>gnd</i>	6-phosphogluconate dehydrogenase, decarboxylating	-0.18	0.85	468	51.75206505	221.59	3
SAUSA300_2199	<i>rplV</i>	50S ribosomal protein L22	-0.21	3.62	117	12.80899267	121.95	2
SAUSA300_0424.3	<i>psmA2</i>	Phenol-soluble modulins alpha 2 peptide	-0.22	3.16	21	2.25835898	188.15	2

SAUSA300_1055	<i>efb</i>	Fibrinogen-binding protein	-0.23	1.99	165	18.7350233	489.9	11
SAUSA300_0388	<i>guaB</i>	Inosine-5'-monophosphate dehydrogenase	-0.26	0.41	21	2.24033315	267.05	3
SAUSA300_0424.4	<i>psmA1</i>	Phenol-soluble modulin alpha 1 peptide	-0.26	3.13	488	52.79952975	250.57	7
SAUSA300_1974		Uncharacterized leukocidin-like protein 1	-0.35	1.63	338	38.64415667	1511.43	27
SAUSA300_2142	<i>asp23</i>	Alkaline shock protein 23	-0.37	1.26	169	19.16166637	99.18	2
SAUSA300_1540	<i>dnaK</i>	Chaperone protein	-0.53	1.2	610	66.30297262	217.22	6
SAUSA300_0964		Chitinase-related protein	-0.6	1.56	105	11.31991499	202.86	4
SAUSA300_pUSA010004		Putative uncharacterized protein	-0.62	1.22	1256	137.3211137	2335.54	43
SAUSA300_0955	<i>atl</i>	Autolysin	-0.62	1.23	193	21.23938356	929.54	19
SAUSA300_2579		N-acetylmuramoyl-L-alanine amidase domain protein	-0.64	1.71	619	69.16364842	1669.45	24
SAUSA300_1975		Uncharacterized leukocidin-like protein 2	-0.65	1.99	351	40.39162688	1296.57	22
SAUSA300_2253	<i>ssaA</i>	Secretory antigen	-0.66	0.9	166	17.37014404	293.46	2
SAUSA300_2079	<i>fba</i>	Fructose bisphosphate aldolase	-0.71	1.22	286	30.79867417	292.65	6
SAUSA300_1756	<i>spIC</i>	Serine protease	-0.74	1.86	239	26.0643809	619.7	11
SAUSA300_1052		Fibrinogen-binding protein	-0.74	2	109	12.57092498	99.42	3
SAUSA300_0862	<i>glpQ</i>	Glycerophosphoryl diester phosphodiesterase	-0.84	0.25	309	35.27086048	635.89	12
SAUSA300_2179	<i>rpsK</i>	30S ribosomal protein S11	-0.84	1.72	129	13.85536771	55.32	1
SAUSA300_2164		Putative uncharacterized protein	-0.95	1.32	141	15.42004573	920.05	14
SAUSA300_1919	<i>scn</i>	Staphylococcal complement inhibitor	-1.03	1.69	116	13.04092866	562.7	5
SAUSA300_1148	<i>codY</i>	GTP-sensing transcriptional pleiotropic repressor	-1.08	1.22	257	28.71934881	106.8	3
SAUSA300_2603	<i>lip</i>	Triacylglycerol lipase	-1.15	2.12	680	76.61122401	3136.14	55
SAUSA300_2364	<i>sbi</i>	Immunoglobulin-binding protein	-1.21	1.74	436	50.02191666	1259.79	27
SAUSA300_0602		Putative uncharacterized protein	-1.41	1.03	168	18.56444985	660.87	12
SAUSA300_0618		ABC transporter, substrate-binding protein	-1.43	1.43	309	34.70096946	595.4	8
SAUSA300_0380	<i>ahpC</i>	Alkyl hydroperoxide reductase subunit C	-1.44	1.7	189	20.94547817	381.63	8
SAUSA300_2192	<i>rplE</i>	50S ribosomal protein L5	-1.56	1.73	394	43.05859328	656.35	11
SAUSA300_0533	<i>tuf</i>	Elongation factor Tu	-1.56	1.85	179	20.235725	203.93	4
SAUSA300_1603	<i>rplU</i>	50S ribosomal protein L21	-1.56	1.92	102	11.30811489	131.14	3
SAUSA300_0651		CHAP domain family	-1.67	1.03	265	28.1514224	535.9	6
SAUSA300_1201	<i>glnA</i>	Glutamine synthetase	-1.73	0.62	190	21.27478326	429.97	10

SAUSA300_0372		Putative lipoprotein	-1.73	1.11	446	50.79039514	381.29	5
SAUSA300_0032	<i>mecA</i>	Penicillin-binding protein 2'	-1.79	1.84	668	76.03711644	1663.74	30
SAUSA300_0278		Putative uncharacterized protein	-2.02	1.26	97	11.01143135	384.5	8
SAUSA300_1362	<i>hup</i>	DNA-binding protein HU	-2.03	0.99	90	9.60215929	476.05	7
SAUSA300_1067		Antibacterial protein	-2.23	1.02	44	4.47537766	557.22	6
SAUSA300_1988		Delta-hemolysin	-2.31	1.48	44	4.98780869	57.56	1
SAUSA300_2172	<i>rplM</i>	50S ribosomal protein L13	-2.5	0.76	145	16.30536457	68.33	1
SAUSA300_1232	<i>katA</i>	Catalase	-2.99	1.03	505	58.32519844	93.1	2

Key:

Downregulated, ≥ 2 standard deviations away from median
Downregulated, ≥ 1 standard deviation away from median
Upregulated, ≥ 2 standard deviations away from median
Upregulated, ≥ 1 standard deviation away from median

Supplemental Table 2. List of all quantified proteins from CA-MRSA USA300 and its *codY* mutant during stationary phase. Ratio and standard deviation values are Log₂ transformed.

Sequence ID	Gene	Sequence Name	HOU <i>codY</i> Ratio	HOU <i>codY</i> StdDev	Protein Length (AA)	Protein Weight (kDa)	Total Score	Total Peptides (Paris Guidelines)
SAUSA300_2546	<i>betB</i>	Glycine betaine aldehyde dehydrogenase	5.095	0.33	496	54.57068	60.9	1
SAUSA300_1758	<i>splA</i>	Serine protease	4.055	0.96	235	25.51506	720.26	13
SAUSA300_2572	<i>aur</i>	Zinc metalloproteinase aureolysin	3.775	2	509	56.30887	1371.7 2	19
SAUSA300_1754	<i>splE</i>	Serine protease	3.705	2.03	238	25.6454	683.03	12
SAUSA300_1653		UPF0173 metal-dependent hydrolase	3.635	0.59	229	25.21646	153.32	3
SAUSA300_2366	<i>hlgC</i>	Gamma-hemolysin component C	3.535	2.24	315	35.57392	1195.6 2	19
SAUSA300_1382	<i>lukS-PV</i>	Panton-Valentine leukocidin	3.495	1.94	312	35.27356	1943.6 5	23
SAUSA300_0099	<i>plc</i>	1-phosphatidylinositol phosphodiesterase	3.415	1.36	328	37.04536	544.68	11
SAUSA300_1792		Putative uncharacterized protein	3.375	4.49	978	114.3325	189.64	5
SAUSA300_1442	<i>srrA</i>	Staphylococcal respiratory response protein	3.315	1.36	241	28.12537	237.18	5
SAUSA300_0274		Putative uncharacterized protein	3.205	1.92	507	57.86896	187.57	4
SAUSA300_1753	<i>splF</i>	Serine protease	3.115	1.46	239	25.64425	692.97	14
SAUSA300_1755	<i>splD</i>	Serine protease	3.115	1.8	239	25.60721	639.16	13
SAUSA300_1757	<i>splB</i>	Serine protease	3.085	2.01	240	26.06251	1555.0 1	22
SAUSA300_1458		Glyoxalase family protein	3.065	2.01	123	13.8638	170.86	2
SAUSA300_1381	<i>lukF-PV</i>	Panton-Valentine leukocidin	3.035	1.61	325	36.92138	1985.5 8	25
SAUSA300_0815	<i>ear</i>	Ear protein	3.035	2.21	184	20.40659	735.92	15
SAUSA300_0951	<i>sspA</i>	V8 protease	2.865	2.51	336	36.2856	1055.7 5	11
SAUSA300_1801	<i>fumC</i>	Fumarate hydratase, class II	2.765	3.06	83	9.382639	154.87	3
SAUSA300_1323		Putative uncharacterized protein	2.765	3.38	461	51.05748	96.85	3
SAUSA300_1863		Putative uncharacterized protein	2.605	3.3	91	10.29763	101.04	3
SAUSA300_1769	<i>lukE</i>	Leukotoxin	2.585	2.22	311	34.77972	523.71	11
SAUSA300_2189	<i>rplF</i>	50S ribosomal protein L6	2.565	2.52	178	19.7564	195.98	4

SAUSA300_1759		Putative uncharacterized protein	2.545	2.28	188	20.32449	1412.4 ₉	16
SAUSA300_0373		Putative uncharacterized protein	2.505	0.6	87	10.76419	191.06	4
SAUSA300_1341	<i>pbp2</i>	Penicillin binding protein 2	2.485	2.89	727	80.35886	328.46	8
SAUSA300_2201	<i>rplB</i>	50S ribosomal protein L2	2.465	2.26	277	30.11849	366.19	7
SAUSA300_1756	<i>spcC</i>	Serine protease	2.435	1.25	239	26.06438	394.97	7
SAUSA300_2365	<i>hlgA</i>	Gamma-hemolysin component A	2.375	2.42	309	34.91612	984.8	15
SAUSA300_0950	<i>sspB</i>	Cysteine protease	2.335	2.11	393	44.47325	1895.5 ₅	24
SAUSA300_0891	<i>oppA</i>	Oligopeptide ABC transporter, substrate-binding protein	2.315	1.11	551	61.51598	187.97	5
SAUSA300_1134	<i>rplS</i>	50S ribosomal protein L19	2.305	2.97	116	13.33557	133.52	4
SAUSA300_0437		NLPA lipoprotein	2.275	2.17	280	30.41945	443.04	9
SAUSA300_1058	<i>hla</i>	Alpha-hemolysin	2.245	1.47	319	35.93296	3233.6 ₁	36
SAUSA300_2205	<i>rpsJ</i>	30S ribosomal protein S10	2.205	2.5	102	11.55134	82.04	2
SAUSA300_2226	<i>moaB</i>	Molybdenum cofactor biosynthesis protein B	2.105	3.98	168	18.45686	132.19	2
SAUSA300_0883		Putative surface protein	2.095	1.93	144	15.81034	395.6	8
SAUSA300_2097		Putative uncharacterized protein	2.015	2.12	375	42.0653	381.13	8
SAUSA300_0859		NADH-dependent flavin oxidoreductase	2.015	3.49	221	23.99912	365.46	8
SAUSA300_1299		TelA-like protein	2.005	3.7	378	43.3625	195.26	5
SAUSA300_1512	<i>pbp3</i>	Penicillin-binding protein 3	1.985	2.06	691	77.18504	363.41	8
SAUSA300_0329		Putative oxidoreductase	1.895	5	341	37.7065	84.43	2
SAUSA300_1890	<i>scpA</i>	Staphopain A	1.765	1.75	388	44.21658	563.46	12
SAUSA300_1861		UPF0435 protein	1.745	1.65	68	7.765936	190.92	3
SAUSA300_0598		Putative iron compound ABC transporter, iron compound-binding protein	1.735	0.9	275	31.05128	91.12	3
SAUSA300_1251	<i>parC</i>	DNA topoisomerase IV, subunit A	1.715	1.78	486	53.17216	337.77	7
SAUSA300_1370	<i>ebpS</i>	Elastin-binding protein	1.715	2.43	800	90.99971	118.58	4
SAUSA300_1669		Aminotransferase, class V	1.675	1.49	386	42.80533	565.17	6
SAUSA300_1574		UPF0297 protein	1.665	2.27	86	10.27907	264.86	5
SAUSA300_2062	<i>atpF</i>	ATP synthase subunit b	1.635	2.69	173	19.50933	396.49	7
SAUSA300_1122	<i>plsX</i>	Phosphate acyltransferase	1.615	5.16	328	35.39025	72.66	3
SAUSA300_0721		Transferrin receptor	1.595	2.97	342	37.8128	159.21	3

SAUSA300_2164		Putative uncharacterized protein	1.575	1.25	141	15.42005	519.11	9
SAUSA300_1615	<i>hemB</i>	Delta-aminolevulinic acid dehydratase	1.575	2.67	324	36.54114	116.44	3
SAUSA300_1056		Putative uncharacterized protein	1.545	0.47	116	13.08795	215.26	5
SAUSA300_1052		Fibrinogen-binding protein	1.535	2.53	109	12.57092	167.54	4
SAUSA300_0833	<i>nagD</i>	Protein nagD homolog	1.505	3.02	259	27.91016	223.22	4
SAUSA300_0531	<i>rpsG</i>	30S ribosomal protein S7	1.485	2.27	156	17.76544	493.8	10
SAUSA300_1768	<i>lukD</i>	Leukotoxin	1.435	2.13	327	36.84834	842.85	11
SAUSA300_0955	<i>atl</i>	Autolysin	1.375	2.36	1256	137.3211	3529.07	65
SAUSA300_1014	<i>pyc</i>	Pyruvate carboxylase	1.365	2.41	1150	128.4485	1425.37	27
SAUSA300_1180		Putative uncharacterized protein	1.345	0.46	71	8.138163	69.89	2
SAUSA300_1316	<i>msrB</i>	Peptide methionine sulfoxide reductase	1.325	2.83	142	16.24886	222.87	6
SAUSA300_0357	<i>metE</i>	5-methyltetrahydropteroyltryglutamate--homocysteine methyltransferase	1.285	1.31	742	85.00517	702.89	13
SAUSA300_0774	<i>emp</i>	Extracellular matrix protein-binding protein	1.285	2.6	340	38.443	624.9	15
SAUSA300_1988		Delta-hemolysin	1.275	1.89	502	56.49419	142.61	5
SAUSA300_2542		Putative AMP-binding enzyme	1.275	1.9	44	4.987809	133.54	2
SAUSA300_0408		Putative surface protein	1.275	2.03	532	59.69325	104.46	3
SAUSA300_1682	<i>ccpA</i>	Catabolite control protein A	1.245	2.49	329	36.01967	452.78	9
SAUSA300_1258		4-oxalocrotonate tautomerase	1.225	3.49	61	6.721508	350.81	6
SAUSA300_0551	<i>folE2</i>	GTP cyclohydrolase	1.215	1.4	292	33.44279	103.94	3
SAUSA300_2400		Glutaryl-aminopeptidase	1.205	2.62	358	39.14974	248.31	5
SAUSA300_1788		Putative uncharacterized protein	1.185	1.19	94	10.29049	241.77	6
SAUSA300_1601	<i>rpmA</i>	50S ribosomal protein L27	1.185	3.44	121	13.1858	126.89	3
SAUSA300_0489	<i>ftsH</i>	Putative cell division protein	1.175	4.51	697	77.718	124.7	3
SAUSA300_2144		Putative uncharacterized protein	1.155	2.53	182	21.12552	469.59	9
SAUSA300_2367	<i>hlgB</i>	Gamma-hemolysin component B	1.085	2.01	325	36.67033	1500.94	20
SAUSA300_0475	<i>spoV_G</i>	Putative septation protein	1.085	3.07	100	11.25261	444.34	7
SAUSA300_2463	<i>ddh</i>	D-lactate dehydrogenase	1.065	2.77	351	39.18907	337.42	8
SAUSA300_2058	<i>atpD</i>	ATP synthase subunit beta	1.055	2.54	470	51.35019	1410.5	19
SAUSA300_2091	<i>deoD</i>	Purine nucleoside phosphorylase	1.045	2.35	236	25.87381	505.04	8

SAUSA300_0791	<i>gcvH</i>	Glycine cleavage system H protein	1.045	2.66	126	14.06582	396.9	7
SAUSA300_0224	<i>coa</i>	Staphylocoagulase	1.035	2.04	609	68.72057	1727.54	31
SAUSA300_0594	<i>adh</i>	Alcohol dehydrogenase	1.035	2.71	336	36.00667	1414.74	18
SAUSA300_1044	<i>trxA</i>	Thioredoxin	1.025	2.13	104	11.41479	497.29	8
SAUSA300_2130		Probable uridylyltransferase	1.025	2.21	395	44.84763	100.07	3
SAUSA300_1674		Putative serine protease HtrA	1.005	1.8	292	32.13835	871.6	12
SAUSA300_0536	<i>hchA</i>	Chaperone protein	1.005	2.57	424	45.75719	258.74	6
SAUSA300_0424.3	<i>psmA</i> <i>2</i>	Phenol-soluble modulins alpha 2 peptide	0.985	1.79	21	2.258359	333.57	4
SAUSA300_1922	<i>sak</i>	Staphylokinase	0.975	0.89	163	18.4447	218.76	5
SAUSA300_1517	<i>nfo</i>	Probable endonuclease 4	0.975	1.52	296	33.11978	92.14	2
SAUSA300_1038	<i>pheT</i>	Phenylalanyl-tRNA synthetase beta chain	0.965	2.3	800	88.90557	332.36	6
SAUSA300_1624		MutT/nudix family protein	0.965	2.83	202	22.91426	262.86	5
SAUSA300_1068		Antibacterial protein	0.955	1.9	44	4.435358	382.88	3
SAUSA300_0235	<i>ldh1</i>	L-lactate dehydrogenase 1	0.935	2.62	317	34.54396	920.32	14
SAUSA300_1654		Uncharacterized peptidase	0.925	2.23	351	39.51106	136.98	4
SAUSA300_2089	<i>pdp</i>	Pyrimidine-nucleoside phosphorylase	0.895	3.57	433	46.26104	238.15	3
SAUSA300_1167	<i>pnp</i>	Polyribonucleotide nucleotidyltransferase	0.875	2.25	698	77.29592	473.48	11
SAUSA300_2171	<i>rpsL</i>	30S ribosomal protein S9	0.865	2.56	132	14.80293	394.1	9
SAUSA300_0315	<i>nanA</i>	N-acetylneuraminidase	0.855	1.81	317	34.63501	594.11	10
SAUSA300_2254		Putative 2-hydroxyacid dehydrogenase	0.855	2.21	170	19.22673	275.84	6
SAUSA300_0173		Putative uncharacterized protein	0.855	2.87	293	33.00409	144.81	4
SAUSA300_1985	<i>sdrH</i>	Serine-aspartate repeat family protein	0.825	1.49	417	46.35752	110.74	3
SAUSA300_1168		Ribonuclease J 2	0.815	1.73	557	62.54552	339.22	7
SAUSA300_2526	<i>pyrD</i>	Dihydroorotate dehydrogenase	0.815	4.01	354	39.49352	101.31	3
SAUSA300_0862	<i>glpQ</i>	Glycerophosphoryl diester phosphodiesterase	0.805	1.45	309	35.27086	1437.2	23
SAUSA300_0190	<i>ipdC</i>	Indole-3-pyruvate decarboxylase	0.805	1.58	133	15.17511	389.89	10
SAUSA300_1053	<i>flr</i>	FPRL1 inhibitory protein	0.805	1.61	546	60.48271	207.16	4
SAUSA300_0664		Putative uncharacterized protein	0.775	2.32	99	11.29879	217.8	5
SAUSA300_1974		Uncharacterized leukocidin-like protein 1	0.765	1.99	338	38.64416	2148.37	29

SAUSA300_1239	<i>tkt</i>	Transketolase	0.765	2.64	625	68.2991	2012.0 2	32
SAUSA300_1950		Conserved hypothetical phage protein	0.735	1.43	343	37.81305	304.49	7
SAUSA300_1261		Putative glutamyl aminopeptidase	0.735	1.75	80	9.334598	64.46	2
SAUSA300_0370		Putative staphylococcal enterotoxin	0.725	1.72	203	23.13325	596.79	14
SAUSA300_1627	<i>infC</i>	Translation initiation factor IF-3	0.725	3.36	175	20.18287	206.06	4
SAUSA300_1575	<i>alaS</i>	Alanyl-tRNA synthetase	0.715	2.65	876	98.44059	244.7	6
SAUSA300_2359		Amino acid ABC transporter, amino acid-binding protein	0.695	2	259	28.86793	730.56	15
SAUSA300_0366	<i>rpsF</i>	30S ribosomal protein S6	0.695	2.65	98	11.56991	723.31	12
SAUSA300_0523	<i>rplA</i>	50S ribosomal protein L1	0.685	2.84	230	24.67488	531.4	10
SAUSA300_0964		Chitinase-related protein	0.675	2.73	105	11.31991	319.55	6
SAUSA300_2364	<i>sbi</i>	Immunoglobulin-binding protein	0.665	2.31	436	50.02192	1032.1 9	21
SAUSA300_1975		Uncharacterized leukocidin-like protein 2	0.655	2.25	351	40.39163	1756.4 6	27
SAUSA300_1448		Transcriptional regulator, Fur family	0.645	2.08	485	54.61757	477.27	8
SAUSA300_0835	<i>dltA</i>	D-alanine--poly(phosphoribitol) ligase subunit 1	0.645	2.76	149	17.21484	150.2	3
SAUSA300_0191	<i>ptsG</i>	PTS system glucose-specific EIICBA component	0.635	1.77	681	73.85965	255.89	4
SAUSA300_2111	<i>glmM</i>	Phosphoglucosamine mutase	0.625	1.68	451	49.21645	323.09	7
SAUSA300_1124	<i>fabG</i>	3-oxoacyl-(Acyl-carrier-protein) reductase	0.615	1.61	428	48.59142	834.46	17
SAUSA300_0009	<i>serS</i>	Seryl-tRNA synthetase	0.615	2.67	244	25.85231	537.8	12
SAUSA300_0703	<i>ltaS</i>	Glycerol phosphate lipoteichoic acid synthase	0.605	2.45	646	74.33499	2090.0 2	38
SAUSA300_2235		Iron compound ABC transporter, iron compound-binding protein	0.585	1.61	302	33.97192	345.92	6
SAUSA300_2506	<i>isaA</i>	Probable transglycosylase	0.575	1.53	97	11.01143	547.36	8
SAUSA300_0278		Putative uncharacterized protein	0.575	3.3	233	24.17044	300.35	4
SAUSA300_0845	<i>ampA</i>	Cytosol aminopeptidase	0.565	1.46	102	11.27682	432.92	7
SAUSA300_0409		Putative uncharacterized protein	0.565	2.17	430	49.10869	314.77	6
SAUSA300_1345	<i>asnS</i>	Asparaginyl-tRNA synthetase	0.565	2.59	869	94.86656	255.38	6
SAUSA300_0819	<i>sufD</i>	FeS assembly protein	0.565	2.9	435	48.50064	167.71	4
SAUSA300_0151	<i>adhE</i>	Alcohol dehydrogenase, iron-containing	0.565	3.09	491	54.07652	141.44	4
SAUSA300_0539	<i>ilvE</i>	Branched-chain-amino-acid aminotransferase	0.555	1.96	701	77.78668	2318.9 9	39
SAUSA300_2486	<i>clpL</i>	ATP-dependent Clp protease ATP-binding subunit	0.555	2.44	358	40.04352	551.59	11

SAUSA300_1337	<i>gpsB</i>	Cell cycle protein	0.545	2.78	114	13.12465	783.43	13
SAUSA300_0769		Putative lipoprotein	0.535	0.33	372	40.062	224.58	5
SAUSA300_1655	<i>ald2</i>	Alanine dehydrogenase 2	0.535	0.99	242	28.3834	98.35	3
SAUSA300_0381	<i>nfrA</i>	NADPH-dependent oxidoreductase	0.525	2.17	251	28.56119	66.1	2
SAUSA300_0798		ABC transporter, substrate-binding protein	0.505	1.83	273	30.31416	580.01	11
SAUSA300_1645	<i>pfkA</i>	6-phosphofructokinase	0.505	2.28	307	33.35818	351.98	8
SAUSA300_0424.2	<i>psmA</i> ₃	Phenol-soluble modulins alpha 3 peptide	0.495	2.12	22	2.587403	130.98	2
SAUSA300_0220	<i>pflB</i>	Formate acetyltransferase	0.485	1.75	228	25.08599	1199.6 1	19
SAUSA300_0776	<i>nuc</i>	Thermonuclease	0.485	2.19	749	84.78984	996.16	18
SAUSA300_0996	<i>lpdA</i>	Dihydrolipoyl dehydrogenase	0.465	1.97	468	49.3885	1681.0 9	27
SAUSA300_2067	<i>glyA</i>	Serine hydroxymethyltransferase	0.465	2.54	412	45.05408	668.36	14
SAUSA300_2060	<i>atpA</i>	ATP synthase subunit alpha	0.455	2.08	502	54.53243	852.42	12
SAUSA300_2537	<i>ldh2</i>	L-lactate dehydrogenase 2	0.455	3.03	319	34.38065	554.12	8
SAUSA300_1507	<i>glk</i>	Glucokinase	0.445	1.54	328	35.03779	148.68	3
SAUSA300_2351		Zn-binding lipoprotein adcA-like protein	0.445	1.69	516	59.13184	132.73	5
SAUSA300_0569		UPF0447 protein	0.435	1.87	250	29.35344	289.5	6
SAUSA300_1148	<i>codY</i>	GTP-sensing transcriptional pleiotropic repressor	0.405	2.43	257	28.71935	542.94	11
SAUSA300_1290	<i>dapH</i>	2,3,4,5-tetrahydropyridine-2,6-dicarboxylate N-acetyltransferase	0.405	3.54	239	25.22407	174.23	4
SAUSA300_0865	<i>pgi</i>	Glucose-6-phosphate isomerase	0.395	1.58	443	49.75898	1184.9 4	19
SAUSA300_2441	<i>fnbA</i>	Fibronectin-binding protein A	0.395	1.63	1018	111.6242	630.22	10
SAUSA300_2579		N-acetylmuramoyl-L-alanine amidase domain protein	0.385	2.4	619	69.16365	2113.6 5	36
SAUSA300_0717		Ribonucleoside-diphosphate reductase, beta subunit	0.385	3.14	323	37.47139	231.58	6
SAUSA300_0786		Organic hydroperoxide resistance protein-like	0.375	1.93	415	46.7873	284.16	5
SAUSA300_1860	<i>pepS</i>	Aminopeptidase	0.375	2.01	140	15.31157	242.03	6
SAUSA300_1172		Peptidase, M16 family	0.365	0.53	602	69.75772	1333.3 1	26
SAUSA300_0902	<i>pepF</i>	Oligoendopeptidase F	0.365	1.54	273	30.65983	143.02	3
SAUSA300_1893	<i>nadE</i>	NH(3)-dependent NAD(+) synthetase	0.365	2.88	428	49.86095	78	3
SAUSA300_1067		Antibacterial protein	0.335	2.05	302	31.50422	1509.0 4	18

SAUSA300_1491		Proline dipeptidase	0.335	2.22	353	39.29523	556.06	9
SAUSA300_1139	<i>sucD</i>	Succinyl-CoA ligase [ADP-forming] subunit alpha	0.335	2.28	44	4.475378	391.12	5
SAUSA300_0555		3-hexulose-6-phosphate synthase	0.325	1.71	210	22.38571	706.97	11
SAUSA300_0367	<i>ssb</i>	Single-stranded DNA-binding protein	0.315	2.48	635	70.87101	576.8	15
SAUSA300_2581		Putative surface anchored protein	0.315	3.33	167	18.50991	87.55	2
SAUSA300_1730		S-adenosylmethionine synthase metK	0.305	0.33	468	51.75207	1320.2 4	21
SAUSA300_0693		Putative lipoprotein	0.305	1.65	146	16.01717	1067.4 6	19
SAUSA300_1459	<i>gnd</i>	6-phosphogluconate dehydrogenase, decarboxylating	0.305	2.23	397	43.59615	121.56	2
SAUSA300_0307		5'-nucleotidase, lipoprotein e(P4) family	0.295	1.97	296	33.31334	579.26	12
SAUSA300_1313	<i>ctpA</i>	Carboxyl-terminal protease	0.295	2.02	1057	117.0938	532.56	11
SAUSA300_1096	<i>carB</i>	Carbamoyl-phosphate synthase large chain	0.295	2.31	496	55.20915	158.87	3
SAUSA300_1086		Putative cell-division initiation protein	0.285	1.39	168	18.56445	721.51	13
SAUSA300_0602		Putative uncharacterized protein	0.285	2.08	205	23.48175	318.49	5
SAUSA300_1539	<i>dnaJ</i>	Chaperone protein	0.285	2.67	379	41.71651	119.51	3
SAUSA300_2534	<i>panB</i>	3-methyl-2-oxobutanoate hydroxymethyltransferase	0.275	2.71	272	29.21908	331.82	5
SAUSA300_2517		Amidohydrolase family protein	0.265	2.51	336	38.122	428.78	10
SAUSA300_1683		Chorismate mutase/phospho-2-dehydro-3-deoxyheptonate aldolase	0.255	2.06	363	40.57505	734.94	13
SAUSA300_1652		Putative uncharacterized protein	0.245	2.06	137	15.19844	637.53	11
SAUSA300_1184		Putative uncharacterized protein	0.245	2.93	97	11.00956	101.1	2
SAUSA300_1983	<i>groS</i>	10 kDa chaperonin	0.235	1.19	94	10.3915	269.31	6
SAUSA300_2259		Putative transcriptional regulator	0.225	1.52	307	33.76548	385.03	7
SAUSA300_0690	<i>saeS</i>	Histidine protein kinase	0.195	0.28	336	36.24035	1927.5 7	23
SAUSA300_2362	<i>gpmA</i>	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase	0.195	1.83	434	47.06978	1916.6 1	26
SAUSA300_1103	<i>rpoZ</i>	DNA-directed RNA polymerase subunit omega	0.195	2.02	228	26.64548	1296.3 8	18
SAUSA300_0756	<i>gap</i>	Glyceraldehyde-3-phosphate dehydrogenase, type I	0.195	2.18	72	8.127242	342.28	6
SAUSA300_0760	<i>eno</i>	Enolase	0.195	2.21	351	39.69869	89.32	1
SAUSA300_1884		CamS sex pheromone cAM373	0.185	0.92	414	45.7142	874.26	15
SAUSA300_0861	<i>gudB</i>	NAD-specific glutamate dehydrogenase	0.185	2.08	273	30.38835	813.22	11
SAUSA300_0743	<i>hprK</i>	HPr kinase/phosphorylase	0.185	2.09	310	34.4425	422.32	8

SAUSA300_0948	<i>menB</i>	Napthoate synthase	0.185	2.25	399	45.33477	153.61	3
SAUSA300_1256	<i>msrA</i>	Peptide methionine sulfoxide reductase	0.175	0.92	296	33.01607	1950.45	28
SAUSA300_0991	<i>def</i>	Peptide deformylase	0.175	1.99	183	20.5286	414.79	8
SAUSA300_1331	<i>ald1</i>	Alanine dehydrogenase 1	0.175	2.72	372	40.19179	402.58	8
SAUSA300_2540	<i>fda</i>	Fructose-bisphosphate aldolase class 1	0.175	2.74	169	19.58047	56.48	1
SAUSA300_2136		Iron compound ABC transporter, iron compound-binding protein	0.165	2.29	327	36.5507	626.35	13
SAUSA300_2645	<i>mnmG</i>	tRNA uridine 5-carboxymethylaminomethyl modification enzyme	0.155	0.71	901	98.88978	1710.92	29
SAUSA300_0989		Ribonuclease J 1	0.155	2.13	565	62.61195	599.15	11
SAUSA300_1246	<i>acnA</i>	Aconitate hydratase	0.155	2.29	625	70.05405	299.47	6
SAUSA300_1295	<i>cspA</i>	Cold shock protein	0.145	2.21	66	7.298573	231.46	5
SAUSA300_1193	<i>glpD</i>	Aerobic glycerol-3-phosphate dehydrogenase	0.135	0.88	166	17.71361	564.07	9
SAUSA300_2187	<i>rpsE</i>	30S ribosomal protein S5	0.135	1.45	73	8.55364	318.58	5
SAUSA300_2196	<i>rpmC</i>	50S ribosomal protein L29	0.135	1.86	102	11.92344	136.88	3
SAUSA300_1572		UPF0473 protein	0.135	3.71	557	62.33092	79.35	2
SAUSA300_1362	<i>hup</i>	DNA-binding protein HU	0.125	2	215	23.94125	1435.22	19
SAUSA300_1804		Putative uncharacterized protein	0.125	2.04	90	9.602159	706.4	9
SAUSA300_0530	<i>rpsL</i>	30S ribosomal protein S12	0.125	2.21	199	22.31158	582.94	11
SAUSA300_2183	<i>adk</i>	Adenylate kinase	0.125	2.65	137	15.2594	110.28	3
SAUSA300_0816		UPF0337 protein	0.105	2.42	64	6.996469	545.01	11
SAUSA300_2096	<i>manA</i>	Mannose-6-phosphate isomerase	0.095	0.36	318	35.5726	620.84	11
SAUSA300_1920	<i>chp</i>	Chemotaxis inhibitory protein	0.095	1	932	105.2592	561.71	13
SAUSA300_1306	<i>odhA</i>	2-oxoglutarate dehydrogenase E1 component	0.095	2.43	149	17.02886	133.4	3
SAUSA300_0383		Putative uncharacterized protein	0.095	2.57	312	35.60249	48.95	1
SAUSA300_0857		Putative peptidyl-prolyl cis-trans isomerase	0.085	2.19	276	30.99355	840.5	11
SAUSA300_2518		Uncharacterized hydrolase	0.085	2.45	197	21.58746	664.65	12
SAUSA300_2484		Hydroxymethylglutaryl-CoA synthase	0.065	1.68	293	32.45565	2294.36	32
SAUSA300_1150	<i>tsf</i>	Elongation factor Ts	0.065	2.4	388	43.16046	753.71	11
SAUSA300_2192	<i>rplE</i>	50S ribosomal protein L5	0.045	1.45	179	20.23572	474.29	11
SAUSA300_0993	<i>pdhA</i>	Pyruvate dehydrogenase E1 component, alpha subunit	0.035	2.55	310	32.93712	1238.17	13

SAUSA300_0491	<i>cysK</i>	Cysteine synthase	0.035	2.73	370	41.33883	1043.0 7	16
SAUSA300_1163	<i>rbfA</i>	Ribosome-binding factor A	0.025	0.75	475	51.91862	553.6	9
SAUSA300_0651		CHAP domain family	0.025	1.98	265	28.15142	403.07	5
SAUSA300_2076		Putative aldehyde dehydrogenase	0.025	2.13	116	13.48797	171.51	3
SAUSA300_0355		Probable acetyl-CoA acyltransferase	0.015	1.27	393	41.65943	428.37	8
SAUSA300_0015	<i>rplI</i>	50S ribosomal protein L9	0.015	1.28	148	16.42589	243	4
SAUSA300_1093	<i>pyrB</i>	Aspartate carbamoyltransferase	0.005	2.42	164	17.97609	769.12	11
SAUSA300_1659	<i>tpx</i>	Thiol peroxidase	0.005	2.64	390	40.99363	417.97	8
SAUSA300_1685		UPF0478 protein	0.005	2.87	163	17.97335	402.06	9
SAUSA300_1080	<i>ftsZ</i>	Cell division protein	0.005	3.64	293	33.21866	155.94	3
SAUSA300_1889	<i>purB</i>	Adenylosuccinate lyase	-0.005	1.45	253	27.22674	1597.8 1	26
SAUSA300_0886	<i>fabF</i>	3-oxoacyl-(Acyl-carrier-protein) synthase II	-0.005	1.73	414	43.72083	752.93	11
SAUSA300_0424.4	<i>psmA</i> 1	Phenol-soluble modulins alpha 1 peptide	-0.005	1.8	21	2.240333	440.05	6
SAUSA300_0758	<i>tpiA</i>	Triosephosphate isomerase	-0.005	2.18	431	49.55427	425.55	8
SAUSA300_1678	<i>fhs</i>	Formate--tetrahydrofolate ligase	-0.015	2.06	555	59.82815	1356.4 5	23
SAUSA300_1784	<i>traP</i>	Signal transduction protein	-0.025	0.89	805	91.71015	659.54	11
SAUSA300_1704	<i>leuS</i>	Leucyl-tRNA synthetase	-0.025	2.46	167	19.5175	160.84	4
SAUSA300_1725		Transaldolase	-0.035	2.41	237	25.68536	1035.4	17
SAUSA300_1697		Putative dipeptidase	-0.045	1.66	585	63.04507	2675.3 4	35
SAUSA300_0453		UPF0133 protein	-0.045	1.8	469	52.77272	1230.3 6	18
SAUSA300_2066	<i>upp</i>	Uracil phosphoribosyltransferase	-0.045	1.89	209	23.01721	767.91	12
SAUSA300_1644	<i>pyk</i>	Pyruvate kinase	-0.045	2.27	166	17.6812	511.27	8
SAUSA300_0524	<i>rplJ</i>	50S ribosomal protein L10	-0.045	2.83	105	11.57171	492.86	6
SAUSA300_1055	<i>efb</i>	Fibrinogen-binding protein	-0.055	1.84	165	18.73502	652.09	11
SAUSA300_0388	<i>guaB</i>	Inosine-5'-monophosphate dehydrogenase	-0.065	2.16	488	52.79953	2463.1 6	35
SAUSA300_1496	<i>gcvP</i> B	Probable glycine dehydrogenase [decarboxylating] subunit 2	-0.065	2.71	490	54.72975	391.57	6
SAUSA300_1902		Uncharacterized protein	-0.075	0.96	199	22.67932	514.54	9
SAUSA300_1513	<i>sodA</i>	Superoxide dismutase [Mn/Fe] 1	-0.075	1.77	140	15.91698	488.59	9

SAUSA300_1330	<i>tdcB</i>	Threonine dehydratase catabolic	-0.075	1.94	346	37.26447	242.31	5
SAUSA300_1787		HIT family protein	-0.075	2.29	342	38.50491	149.46	3
SAUSA300_1227	<i>thrC</i>	Threonine synthase	-0.085	1.36	166	18.44549	694.86	9
SAUSA300_1656		Putative universal stress protein	-0.085	2.44	353	37.82783	389.24	7
SAUSA300_1720		Putative uncharacterized protein	-0.095	0.77	284	32.46767	94.51	4
SAUSA300_1123	<i>fabD</i>	Malonyl CoA-acyl carrier protein transacylase	-0.105	1.96	300	33.07485	789.22	14
SAUSA300_0871		Uncharacterized protein	-0.105	2.25	308	33.59609	584.84	7
SAUSA300_0372		Putative lipoprotein	-0.125	1.94	657	74.83617	1155.4 2	21
SAUSA300_0467	<i>metS</i>	Methionyl-tRNA synthetase	-0.125	2.24	190	21.27478	991.83	20
SAUSA300_1454	<i>zwf</i>	Glucose-6-phosphate 1-dehydrogenase	-0.125	2.87	494	56.91143	377.82	9
SAUSA300_0618		ABC transporter, substrate-binding protein	-0.135	1.71	309	34.70097	1658.9 3	24
SAUSA300_0966	<i>purE</i>	Phosphoribosylaminoimidazole carboxylase, catalytic subunit	-0.135	2.8	139	14.71478	428.37	5
SAUSA300_0790		Putative arsenate reductase	-0.145	0.77	466	53.63384	491.38	11
SAUSA300_0515	<i>cysS</i>	CysteinyI-tRNA synthetase	-0.145	1.76	118	13.573	120.62	3
SAUSA300_0389	<i>guaA</i>	GMP synthase [glutamine-hydrolyzing]	-0.155	1.17	295	31.95418	1099.3 1	14
SAUSA300_0504	<i>pdxS</i>	Pyridoxal biosynthesis lyase	-0.155	2.19	513	58.17566	635.88	13
SAUSA300_0385		Putative uncharacterized protein	-0.165	2.02	135	15.09457	359.98	5
SAUSA300_0596	<i>argS</i>	Arginyl-tRNA synthetase	-0.195	1.75	325	35.20614	1225.8	18
SAUSA300_0994	<i>pdhB</i>	Pyruvate dehydrogenase E1 component, beta subunit	-0.195	2.05	258	27.18078	708.26	9
SAUSA300_0129		Acetoin(Diacetyl) reductase	-0.195	2.06	553	62.32445	698.66	13
SAUSA300_0468		Hydrolase, TatD family	-0.205	0.77	199	23.00834	393.42	6
SAUSA300_0135	<i>sodM</i>	Superoxide dismutase [Mn/Fe] 2	-0.205	1.12	257	29.24489	135.91	3
SAUSA300_0759	<i>gpmI</i>	2,3-bisphosphoglycerate-independent phosphoglycerate mutase	-0.215	1.98	505	56.37108	1067.9 8	21
SAUSA300_1201	<i>glnA</i>	Glutamine synthetase	-0.225	2.05	446	50.7904	1458.8 2	25
SAUSA300_1149	<i>rpsB</i>	30S ribosomal protein S2	-0.225	2.28	255	29.05816	690.25	11
SAUSA300_0510	<i>clpC</i>	ATP-dependent Clp protease ATP-binding subunit	-0.235	2.05	818	90.96347	1105.2 1	22
SAUSA300_1874	<i>ftnA</i>	Ferritin	-0.255	1.93	166	19.55827	460.45	9
SAUSA300_0873	<i>cdr</i>	Coenzyme A disulfide reductase	-0.265	1.78	438	49.24106	296.38	6

SAUSA300_1098	<i>pyrE</i>	Orotate phosphoribosyltransferase	-0.275	2.55	203	22.01052	88	2
SAUSA300_2147		Alcohol dehydrogenase, zinc-containing	-0.295	1.62	342	36.97571	506.07	8
SAUSA300_0973	<i>purM</i>	Phosphoribosylformylglycinamide cyclo-ligase	-0.295	2.11	333	36.22565	249.69	5
SAUSA300_0025		5'-nucleotidase family protein	-0.305	0.98	772	83.35504	209.26	6
SAUSA300_0525	<i>rplL</i>	50S ribosomal protein L7/L12	-0.315	1.7	320	35.59774	2008.6	35
SAUSA300_1304		Putative uncharacterized protein	-0.315	1.86	122	12.68574	815.68	11
SAUSA300_2185	<i>rplO</i>	50S ribosomal protein L15	-0.315	1.98	166	17.93128	646.84	9
SAUSA300_1790	<i>prsA</i>	Foldase protein	-0.315	2.15	146	15.56943	302.82	6
SAUSA300_1315	<i>crr</i>	PTS system, glucose-specific IIA component	-0.315	2.97	269	30.04783	233.77	5
SAUSA300_0279		Putative membrane protein	-0.325	2.45	1009	114.7358	304.63	6
SAUSA300_1232	<i>katA</i>	Catalase	-0.345	0.99	505	58.3252	1688.85	25
SAUSA300_1982	<i>groL</i>	60 kDa chaperonin	-0.345	2.12	538	57.57658	1244.89	20
SAUSA300_2328		Putative uncharacterized protein	-0.355	1.37	118	13.31304	255.08	7
SAUSA300_1358	<i>ndk</i>	Nucleoside diphosphate kinase	-0.365	1.54	149	16.54637	352.1	6
SAUSA300_0533	<i>tuf</i>	Elongation factor Tu	-0.395	2.16	394	43.05859	2204.52	28
SAUSA300_1125	<i>acpP</i>	Acyl carrier protein	-0.395	2.17	77	8.526157	388.71	6
SAUSA300_0570	<i>pta</i>	Phosphate acetyltransferase	-0.405	1.7	328	34.91213	1284.48	19
SAUSA300_0505	<i>pdxT</i>	Glutamine amidotransferase subunit	-0.425	0.44	146	16.97348	393.97	7
SAUSA300_1070		Acetyltransferase, GNAT family	-0.425	2.17	186	20.59889	43.19	1
SAUSA300_0253	<i>scdA</i>	Cell wall-related protein	-0.435	0.79	430	46.33564	1810.2	25
SAUSA300_0995		Dihydrolipoamide acetyltransferase	-0.435	1.59	433	48.56131	1665.81	26
SAUSA300_1648		Putative NADP-dependent malic enzyme	-0.435	2.61	409	44.18782	431.69	7
SAUSA300_1622	<i>tig</i>	Trigger factor	-0.435	2.74	224	25.45094	154.12	3
SAUSA300_0527	<i>rpoB</i>	DNA-directed RNA polymerase subunit beta	-0.445	1.76	1183	133.1182	1680.2	30
SAUSA300_0736		Uncharacterized protein	-0.455	1.07	190	22.18128	396.98	8
SAUSA300_0672		Transcriptional regulator, MarR family	-0.455	1.79	147	17.06092	368.5	7
SAUSA300_1087	<i>ileS</i>	Isoleucyl-tRNA synthetase	-0.465	1.04	917	104.8017	1028.07	22
SAUSA300_0727	<i>pepT</i>	Peptidase T	-0.475	1.26	408	45.80091	172.33	4

SAUSA300_0885	<i>fabH</i>	3-oxoacyl-[acyl-carrier-protein] synthase 3	-0.485	0.97	876	101.6421	854.11	17
SAUSA300_1611	<i>valS</i>	Valyl-tRNA synthetase	-0.485	2.11	122	13.72144	386.93	8
SAUSA300_2177	<i>rplQ</i>	50S ribosomal protein L17	-0.485	2.21	313	33.83991	191.26	3
SAUSA300_2230	<i>modA</i>	Molybdenum ABC transporter, molybdenum-binding protein	-0.495	0.92	260	29.01527	141.49	4
SAUSA300_0552		Putative uncharacterized protein	-0.505	0.77	221	24.88752	162.41	4
SAUSA300_0912		Trans-2-enoyl-ACP reductase	-0.515	0.44	424	46.32447	595.97	12
SAUSA300_1094	<i>pyrC</i>	Dihydroorotase	-0.515	1.54	256	27.95657	124.58	2
SAUSA300_2462		Putative NAD(P)H nitroreductase	-0.525	0.4	223	25.35464	147.62	3
SAUSA300_1587	<i>hisS</i>	Histidyl-tRNA synthetase	-0.525	0.47	420	48.23432	45.62	1
SAUSA300_0141	<i>deoB</i>	Phosphopentomutase	-0.535	0.84	392	43.75008	574.62	12
SAUSA300_0897	<i>trpS</i>	Tryptophanyl-tRNA synthetase	-0.535	1.36	329	36.86807	447.29	7
SAUSA300_1074	<i>ftsL</i>	Cell division protein	-0.535	1.46	185	20.5233	415.31	7
SAUSA300_1490	<i>efp</i>	Elongation factor P	-0.535	2.54	133	15.30603	84.32	1
SAUSA300_0380	<i>ahpC</i>	Alkyl hydroperoxide reductase subunit C	-0.545	1.56	189	20.94548	1070.1	16
SAUSA300_0789		Putative thioredoxin	-0.545	1.68	220	23.31081	412.08	7
SAUSA300_2090	<i>deoC</i>	Deoxyribose-phosphate aldolase	-0.545	2.4	106	12.1149	311.24	5
SAUSA300_0757	<i>pgk</i>	Phosphoglycerate kinase	-0.555	2.09	396	42.55743	1202.16	22
SAUSA300_0535		Putative pyridoxal phosphate-dependent acyltransferase	-0.555	2.16	395	42.84577	455.03	9
SAUSA300_0974	<i>purN</i>	Phosphoribosylglycinamide formyltransferase	-0.565	1.72	610	66.30297	1874.78	32
SAUSA300_1540	<i>dnaK</i>	Chaperone protein	-0.565	2.17	188	21.11984	77.96	2
SAUSA300_2092	<i>dps</i>	General stress protein 20U	-0.575	1.15	60	6.700503	230.44	4
SAUSA300_1582		UPF0337 protein	-0.575	2.17	147	16.66303	212.5	3
SAUSA300_0968	<i>purC</i>	Phosphoribosylaminoimidazole-succinocarboxamide synthase	-0.585	0.94	427	47.53128	1020.1	21
SAUSA300_1166	<i>rpsO</i>	30S ribosomal protein S15	-0.585	1.48	234	26.65799	209.01	5
SAUSA300_0017	<i>purA</i>	Adenylosuccinate synthetase	-0.585	2.16	89	10.58378	172.81	4
SAUSA300_2072	<i>prfA</i>	Peptide chain release factor 1	-0.585	3.08	358	40.30729	119.46	3
SAUSA300_0975	<i>purH</i>	Bifunctional purine biosynthesis protein	-0.605	1.48	391	43.24311	1414.85	21
SAUSA300_1365	<i>rpsA</i>	30S ribosomal protein S1	-0.605	2.03	492	54.32593	276.37	6
SAUSA300_2278	<i>hutU</i>	Urocanate hydratase	-0.615	0.61	463	53.56825	1311.29	23

SAUSA300_2172	<i>rplM</i>	50S ribosomal protein L13	-0.615	1.91	145	16.30536	556.85	12
SAUSA300_2203	<i>rplD</i>	50S ribosomal protein L4	-0.615	2	553	60.57669	497.15	10
SAUSA300_1525	<i>glyQS</i>	Glycyl-tRNA synthetase	-0.615	2.15	207	22.43296	305.51	7
SAUSA300_1303		Putative uncharacterized protein	-0.625	0.57	67	7.875974	150.76	3
SAUSA300_1904		Putative uncharacterized protein	-0.625	1.23	57	6.542483	117.28	2
SAUSA300_2204	<i>rplC</i>	50S ribosomal protein L3	-0.635	1.95	220	23.68549	642.94	11
SAUSA300_1731	<i>pckA</i>	Phosphoenolpyruvate carboxykinase [ATP]	-0.645	1.38	530	59.32209	1541.76	27
SAUSA300_1011		Putative uncharacterized protein	-0.645	1.79	448	49.66723	207.22	3
SAUSA300_1497	<i>gcvP A</i>	Probable glycine dehydrogenase [decarboxylating] subunit 1	-0.645	1.9	160	18.55128	41.62	1
SAUSA300_2199	<i>rplV</i>	50S ribosomal protein L22	-0.655	2.04	680	76.61122	3967.87	62
SAUSA300_2603	<i>lip</i>	Triacylglycerol lipase	-0.655	2.1	286	30.79867	1375.96	19
SAUSA300_2079	<i>fba</i>	Fructose bisphosphate aldolase	-0.655	2.12	117	12.80899	651.57	8
SAUSA300_0605	<i>sarA</i>	Transcriptional regulator	-0.655	2.32	124	14.69081	295.79	7
SAUSA300_1640	<i>icd</i>	Isocitrate dehydrogenase [NADP]	-0.665	1.59	422	46.37585	469.72	12
SAUSA300_1514	<i>fur</i>	Ferric uptake regulation protein	-0.675	1.08	133	14.78492	369.79	8
SAUSA300_2195	<i>rpsQ</i>	30S ribosomal protein S17	-0.675	1.08	136	15.89382	95.28	3
SAUSA300_0486		Polyribonucleotide nucleotidyltransferase	-0.675	2.26	87	10.15054	77.74	3
SAUSA300_0379	<i>ahpF</i>	Alkyl hydroperoxide reductase, subunit F	-0.685	1.33	1207	135.2864	3072.44	53
SAUSA300_0528	<i>rpoC</i>	DNA-directed RNA polymerase subunit beta'	-0.685	1.76	507	54.61085	457.12	9
SAUSA300_0170	<i>aldA</i>	Putative aldehyde dehydrogenase	-0.685	1.99	495	53.60756	364.96	7
SAUSA300_0984	<i>ptsI</i>	Phosphoenolpyruvate-protein phosphotransferase	-0.705	1.78	572	63.16134	840.59	14
SAUSA300_2491	<i>rocA</i>	1-pyrroline-5-carboxylate dehydrogenase	-0.725	2.13	514	56.81366	1241.51	20
SAUSA300_0117	<i>sirA</i>	Iron compound ABC transporter, iron compound-binding protein	-0.735	0.89	156	17.48445	464.26	7
SAUSA300_2088	<i>luxS</i>	S-ribosylhomocysteine lyase	-0.735	2.03	330	36.70343	155.75	3
SAUSA300_2039	<i>ddl</i>	D-alanine--D-alanine ligase	-0.745	0.86	356	40.18735	116.1	2
SAUSA300_1119		Uncharacterized protein	-0.755	0.01	217	23.75514	204.05	4
SAUSA300_0479	<i>rplY</i>	50S ribosomal protein L25	-0.755	1.71	548	60.45937	177.18	3
SAUSA300_1533		UPF0365 protein	-0.775	1.4	329	35.14167	528.54	10

SAUSA300_1567	<i>greA</i>	Transcription elongation factor	-0.775	2.02	158	17.71389	478.75	7
SAUSA300_2142	<i>asp23</i>	Alkaline shock protein 23	-0.785	1.68	169	19.16167	1293.82	18
SAUSA300_0477	<i>glmU</i>	Bifunctional protein	-0.785	2.64	450	48.48478	265.88	4
SAUSA300_1240		Putative uncharacterized protein	-0.795	0.17	400	43.99669	854.21	13
SAUSA300_1657	<i>ackA</i>	Acetate kinase	-0.795	1.94	238	26.622	309.15	7
SAUSA300_0249	<i>ispD</i>	2-C-methyl-D-erythritol 4-phosphate cytidyltransferase	-0.795	2.1	95	10.9977	132.75	4
SAUSA300_2447		Putative uncharacterized protein	-0.805	0.05	162	18.98431	113.92	4
SAUSA300_1152	<i>frr</i>	Ribosome-recycling factor	-0.815	2.15	184	20.32257	572.93	11
SAUSA300_1688		Phenylalanyl-tRNA synthetase (Beta subunit)	-0.825	0.92	84	9.698767	336.81	6
SAUSA300_0424.1	<i>psmA4</i>	Phenol-soluble modulins alpha 4 peptide	-0.825	1.87	20	2.152342	226.38	3
SAUSA300_2074	<i>rpmE2</i>	50S ribosomal protein L31 type B	-0.825	2.59	198	21.65801	154.63	2
SAUSA300_0972	<i>purF</i>	Amidophosphoribosyltransferase	-0.835	1.56	494	54.34459	623.46	10
SAUSA300_1675	<i>tyrS</i>	Tyrosyl-tRNA synthetase	-0.835	1.66	91	10.58059	172.8	3
SAUSA300_2202	<i>rplW</i>	50S ribosomal protein L23	-0.835	1.85	420	47.5501	140.51	3
SAUSA300_2281	<i>hutG</i>	Formimidoylglutamate	-0.855	0.29	169	19.29594	804.58	13
SAUSA300_2108	<i>mtlD</i>	Mannitol-1-phosphate 5-dehydrogenase	-0.855	1.11	368	40.9081	388.46	8
SAUSA300_1521	<i>rpoD</i>	RNA polymerase sigma factor	-0.855	1.85	368	42.12691	280.73	7
SAUSA300_0916		UPF0477 protein	-0.855	2.07	91	10.21053	270.75	6
SAUSA300_1131	<i>rpsP</i>	30S ribosomal protein S16	-0.855	2.28	311	34.4734	98.29	2
SAUSA300_1862	<i>ptpA</i>	Low molecular weight protein-tyrosine-phosphatase	-0.865	1.03	381	42.86179	571.56	12
SAUSA300_0234		Putative flavohemoprotein	-0.865	1.08	121	13.69254	318.27	8
SAUSA300_2180	<i>rpsM</i>	30S ribosomal protein S13	-0.865	1.73	154	17.46145	182.45	3
SAUSA300_1698		Putative uncharacterized protein	-0.875	1.66	140	15.70615	400.34	8
SAUSA300_1965		Conserved hypothetical phage protein	-0.895	0.37	102	11.30811	426.97	8
SAUSA300_1603	<i>rplU</i>	50S ribosomal protein L21	-0.895	1.83	79	9.181788	66.95	1
SAUSA300_1691		Glutamyl-aminopeptidase	-0.905	0.5	223	24.49316	428.01	5
SAUSA300_1919	<i>scn</i>	Staphylococcal complement inhibitor	-0.905	1.26	116	13.04093	401.95	5
SAUSA300_0970	<i>purQ</i>	Phosphoribosylformylglycinamide synthase 1	-0.905	1.59	140	16.4555	236.83	7
SAUSA300_2418		Putative uncharacterized protein	-0.905	2.08	358	39.74019	213.74	4

SAUSA300_2104	<i>glmS</i>	Glucosamine-fructose-6-phosphate aminotransferase (Isomerizing)	-0.925	1.12	314	34.9721	654.7	10
SAUSA300_2178	<i>rpoA</i>	DNA-directed RNA polymerase subunit alpha	-0.925	1.87	601	65.79093	196.57	5
SAUSA300_0747	<i>trxB</i>	Thioredoxin reductase	-0.935	0.98	311	33.57699	290.45	6
SAUSA300_1869	<i>map</i>	Methionine aminopeptidase	-0.935	1.32	144	15.58683	198.15	5
SAUSA300_2107	<i>mtlA</i>	PTS system, mannitol specific IIA component	-0.935	1.87	252	27.46705	132.08	2
SAUSA300_2275		Oxidoreductase, short chain dehydrogenase/reductase family	-0.945	1.22	690	76.35305	4559.9 3	66
SAUSA300_0320		Triacylglycerol lipase	-0.945	1.72	293	31.69669	198.89	4
SAUSA300_1795		UPF0342 protein	-0.965	2.07	114	13.28349	831.18	12
SAUSA300_1625	<i>rplT</i>	50S ribosomal protein L20	-0.985	1.59	498	55.94554	1377.8 7	25
SAUSA300_2541	<i>mgo</i>	Malate:quinone-oxidoreductase	-0.985	1.86	118	13.65956	248.96	7
SAUSA300_0965	<i>folD</i>	Bifunctional protein	-0.995	1.53	193	21.23938	954.19	17
SAUSA300_pUSA 010004		Putative uncharacterized protein	-0.995	1.89	286	30.80644	787.5	13
SAUSA300_0532	<i>fusA</i>	Elongation factor G	-1.035	1.74	693	76.54595	2136.9 2	29
SAUSA300_2082	<i>rpoE</i>	Probable DNA-directed RNA polymerase subunit delta	-1.035	1.84	176	20.85029	236.28	4
SAUSA300_2253	<i>ssaA</i>	Secretory antigen	-1.045	0.17	187	21.88402	505.32	10
SAUSA300_1696		D-alanine aminotransferase dat	-1.045	0.49	166	17.37014	252.09	2
SAUSA300_1909		Putative uncharacterized protein	-1.045	1.74	282	31.85622	194.76	3
SAUSA300_0931		Putative uncharacterized protein	-1.055	0.39	58	6.654429	189.38	3
SAUSA300_0839		Putative uncharacterized protein	-1.055	3.16	80	8.717363	70.43	2
SAUSA300_2094		Putative uncharacterized protein	-1.065	0.83	87	9.897082	232.46	4
SAUSA300_0969	<i>purS</i>	Phosphoribosylformylglycinamide synthase	-1.065	1.61	457	52.89568	83.5	2
SAUSA300_2132		UPF0457 protein	-1.085	1.66	86	9.982143	274.74	6
SAUSA300_2190	<i>rpsH</i>	30S ribosomal protein S8	-1.095	1.65	132	14.80396	666.29	13
SAUSA300_0002	<i>dnaN</i>	DNA polymerase III, beta subunit	-1.095	1.65	208	23.97587	511.62	9
SAUSA300_1541	<i>grpE</i>	Protein grpE	-1.095	1.85	108	12.17911	297.46	6
SAUSA300_2024	<i>rsbV</i>	Anti-sigma factor antagonist	-1.095	2.39	377	41.8697	274.77	5
SAUSA300_0775		Putative uncharacterized protein	-1.105	0.2	58	6.949937	97.84	2
SAUSA300_1535	<i>rpsU</i>	30S ribosomal protein S21	-1.105	1.1	156	17.68793	90.18	2
SAUSA300_1900	<i>ppaC</i>	Probable manganese-dependent inorganic pyrophosphatase	-1.125	1.48	309	34.02932	384.33	8

SAUSA300_0513	<i>gltX</i>	Glutamyl-tRNA synthetase	-1.155	1.46	484	56.23538	1330.36	19
SAUSA300_0522	<i>rplK</i>	50S ribosomal protein L11	-1.165	1.55	140	14.84687	476.02	11
SAUSA300_2200	<i>rpsS</i>	30S ribosomal protein S19	-1.175	1.06	92	10.59056	371.14	6
SAUSA300_0860	<i>rocD</i>	Ornithine aminotransferase	-1.185	1.07	396	43.37236	1281.12	22
SAUSA300_2081	<i>pyrG</i>	CTP synthase	-1.205	1.31	536	59.93665	424.45	9
SAUSA300_0114		Staphylococcal accessory regulator	-1.245	0.03	220	23.46987	411.12	7
SAUSA300_0140	<i>deoC</i>	Deoxyribose-phosphate aldolase	-1.245	1.65	250	29.85286	64.38	1
SAUSA300_1160		Putative uncharacterized protein	-1.255	1.06	94	11.015	77.29	3
SAUSA300_2258		Putative formate dehydrogenase	-1.265	0.95	388	42.01188	1357.45	21
SAUSA300_1138	<i>sucC</i>	Succinyl-CoA ligase [ADP-forming] subunit beta	-1.265	1.35	984	111.1551	251.68	5
SAUSA300_2277	<i>hutI</i>	Imidazolonepropionase	-1.275	1.23	412	44.99304	52.26	1
SAUSA300_1880	<i>gatB</i>	Aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase subunit B	-1.295	1.13	475	53.60507	792.73	14
SAUSA300_1162	<i>infB</i>	Translation initiation factor IF-2	-1.315	0.69	705	77.80495	674.86	12
SAUSA300_0844		NADH dehydrogenase-like protein	-1.315	1.26	59	6.531681	206.85	5
SAUSA300_2186	<i>rpmD</i>	50S ribosomal protein L30	-1.315	1.6	402	44.05863	134.43	4
SAUSA300_2188	<i>rplR</i>	50S ribosomal protein L18	-1.335	1.67	119	13.07111	404.02	8
SAUSA300_2193	<i>rplX</i>	50S ribosomal protein L24 rplX	-1.345	1.64	105	11.51136	166.02	3
SAUSA300_1629	<i>thrS</i>	Threonyl-tRNA synthetase	-1.405	1.34	645	74.39533	858.83	14
SAUSA300_0655		UPF0082 protein	-1.435	1.02	422	46.62648	600.46	11
SAUSA300_1305	<i>odhB</i>	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex	-1.435	1.11	238	26.28613	258.89	5
SAUSA300_0752	<i>clpP</i>	ATP-dependent Clp protease proteolytic subunit	-1.465	1.3	195	21.48209	230.4	5
SAUSA300_1047	<i>sdhA</i>	Succinate dehydrogenase, flavoprotein subunit	-1.485	0.77	588	65.44367	126.63	3
SAUSA300_1641	<i>gltA</i>	Citrate synthase II	-1.515	1.49	373	42.54829	520.56	10
SAUSA300_0992		Putative lipoprotein	-1.585	1.07	208	23.84284	96.73	3
SAUSA300_1159	<i>nusA</i>	Transcription termination factor	-1.605	0.76	391	43.69649	189.63	5
SAUSA300_0521	<i>nusG</i>	Transcription antitermination protein	-1.615	0.4	182	20.63267	231.72	4
SAUSA300_1320	<i>thyA</i>	Thymidylate synthase	-1.615	0.81	318	36.79824	127.81	4
SAUSA300_2245	<i>sarR</i>	HTH-type transcriptional regulator	-1.635	0.65	115	13.64235	106.02	2
SAUSA300_1079	<i>ftsA</i>	Cell division protein	-1.645	0.92	470	52.88415	414.4	9

SAUSA300_0822		UPF0051 protein	-1.655	0.24	465	52.48007	164.84	5
SAUSA300_0496	<i>lysS</i>	Lysyl-tRNA synthetase	-1.685	0.74	495	56.66561	447.76	8
SAUSA300_0032	<i>mecA</i>	Penicillin-binding protein 2'	-1.715	1.37	668	76.03712	1295.1 3	19
SAUSA300_1894		Nicotinate phosphoribosyltransferase	-1.725	1.05	489	55.83918	164.46	3
SAUSA300_1844		Bacterioferritin comigratory protein	-1.755	0.8	151	17.2309	94.4	2
SAUSA300_1882	<i>gatC</i>	Aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase subunit C	-1.765	0.53	100	11.24259	380.18	6
SAUSA300_1684		Putative uncharacterized protein	-1.825	0.47	399	43.88174	209.61	5
SAUSA300_2021		S1 RNA binding domain protein	-1.845	1.34	716	80.86665	59.84	2
SAUSA300_2577	<i>manA</i>	Mannose-6-phosphate isomerase, class I	-1.875	0.36	312	35.35543	119.94	3
SAUSA300_2114	<i>rocF</i>	Arginase	-1.885	0.44	302	33.22633	85.25	2
SAUSA300_1856		Putative uncharacterized protein	-1.905	0.82	171	18.60243	391.49	8
SAUSA300_1881	<i>gatA</i>	Glutamyl-tRNA(Gln) amidotransferase subunit A	-1.995	0.79	485	52.7698	424.46	8
SAUSA300_2023	<i>rsbW</i>	Serine-protein kinase	-2.085	0.46	159	17.89211	132.95	4
SAUSA300_1215		Putative uncharacterized protein	-2.235	1.05	65	7.476927	256.65	3
SAUSA300_1197		Glutathione peroxidase	-2.325	0.74	158	18.08812	103.81	3
SAUSA300_0990		UPF0356 protein	-2.335	0.18	72	8.728363	64.25	1
SAUSA300_1664	<i>ezaA</i>	Septation ring formation regulator	-2.445	0.35	564	66.14066	612.55	11