

Table 3. Non orthologous ORFs in *Staphylococcus saprophyticus* ATCC 15305

ORF ID	COG [†]	Product
Transport systems		
SSP0084	C	Putative L-lactate permease 2
SSP0230	C	L-lactate permease
SSP0329	C	Na ⁺ /H ⁺ antiporter
SSP0560	C	Na ⁺ /H ⁺ antiporter
SSP0948	C	Putative proton/glutamate symporter
SSP0189	E	Putative cationic amino acid transporter
SSP0286	E	D-serine/D-alanine/glycine transporter
SSP0444	E	Putative amino acid transporter
SSP0451	E	ABC-type proline/glycine betaine transport system, ATPase component
SSP0454	E	ABC-type proline/glycine betaine transport system, permease component
SSP0507	E	Putative proton/sodium-glutamate symport protein, truncated
SSP0508*	E	Putative proton/sodium-glutamate symport protein
SSP0618	E	ABC-type amino acid transport system, permease component
SSP0619	E	Putative ABC-type amino acid transport system, permease component
SSP0620	E	Putative ABC-type amino acid transport system, periplasmic component
SSP0621	E	Putative ABC-type polar amino acid transport system, ATPase component
SSP0936	E	ABC-type amino acid transport system, periplasmic component, truncated
SSP1099	E	Proline/betaine transporter, partial
SSP1990	E	Putative di-tripeptide permease
SSP2171	E	Putative D-serine/D-alanine/glycine transporter
SSP2173	E	Putative amino acid permease
SSP2428	E	Putative glycine betaine transporter, partial
SSP2432	E	Putative amino acid transporter
SSP0399	EHR	High affinity proline permease
SSP0104	G	Lactose permease
SSP0123	G	Phosphotransferase system (PTS) beta-glucoside-specific enzyme IIABC component, truncated
SSP0124	G	Phosphotransferase system (PTS) beta-glucoside-specific enzyme IIABC component, truncated
SSP0216	G	Putative gluconate transporter, truncated
SSP0217	G	Putative gluconate transporter, truncated
SSP0218	G	Putative gluconate transporter, truncated
SSP0233	G	Phosphotransferase system IIC component, glucose/maltose/N-acetylglucosamine-specific, truncated
SSP0240	G	Phosphotransferase system, cellobiose-specific component IIB
SSP0254	G	Putative sugar phosphate permease, truncated
SSP0255	G	Putative sugar phosphate permease, truncated
SSP1392	G	Ribose ABC transporter (ribose-binding protein) rbsB
SSP1393	G	Ribose ABC transporter (permease) rbsC
SSP1394	G	Ribose transport ATP-binding protein rbsA
SSP2311	G	Putative sugar transporter
SSP2189	GE	Putative gluconate transporter
SSP0020	GEPR	Putative permease of the major facilitator superfamily
SSP0164	GEPR	Putative permease of the major facilitator superfamily
SSP0166	GEPR	Putative permease of the major facilitator superfamily
SSP0203	GEPR	Putative permease of the major facilitator superfamily
SSP0211	GEPR	Putative proline/betaine transporter
SSP0231	GEPR	Putative permease of the major facilitator superfamily
SSP2129	GEPR	Putative permease of the major facilitator superfamily
SSP2167	GEPR	Putative permease of the major facilitator superfamily
SSP2180	GEPR	Putative α -ketoglutarate permease
SSP2308	GEPR	Putative permease of the major facilitator superfamily
SSP2391	GEPR	Putative permease of the major facilitator superfamily
SSP1622	GER	Putative permease
SSP0323	M	Glycine betaine transporter
SSP0950	M	Teichoic acid translocation permease protein
SSP0993	M	Periplasmic glycine betaine/choline-binding (lipo)protein of an ABC-type transport system (osmoprotectant binding protein)
SSP1344	M	Putative osmoprotectant transporter
SSP2195	M	Putative teichoic acid translocation permease
SSP0182	P	Ferrichrome ABC transporter
SSP0184	P	Putative transporter
SSP0272	P	Putative ferrichrome-binding lipoprotein precursor
SSP0298	P	Sulfate permease
SSP0304	P	Putative di- and tricarboxylate transporter
SSP0359	P	ABC-type cobalt transport system, permease component
SSP0360	P	ABC-type cobalt transport system, ATPase component
SSP0422	P	ABC-type cobalamin/Fe ³⁺ -siderophores transport system, periplasmic component
SSP0529	P	ABC-type cobalamin/Fe ³⁺ -siderophores transport system, periplasmic component
SSP0574	P	Putative sulfate permease
SSP0304	P	Putative di- and tricarboxylate transporter
SSP1368	P	ABC-type cobalamin/Fe ³⁺ -siderophores transport system, periplasmic component

SSP1382	P	Putative ABC-type cobalamin/Fe3+-siderophores transport system, periplasmic component
SSP1630	P	Arsenic efflux pump protein, truncated
SSP1631	P	Arsenic efflux pump protein, truncated
SSP1632	P	Arsenic efflux pump protein, truncated
SSP1886	P	Putative efflux pump
SSP2176	P	Putative Mn2+/Fe2+ transporter
SSP2306	P	Putative ABC transporter permease, partial
SSP2342	P	Putative membrane transporter of cations and cationic drugs, partial
SSP2343	P	Putative membrane transporter of cations and cationic drugs, partial
SSP0385	Q	ABC-type multidrug/protein/lipid transport system, ATPase component
SSP0386	Q	ABC-type multidrug/protein/lipid transport system, ATPase component
SSP0858	Q	ABC-type multidrug transport system, ATPase component, truncated
SSP1336	Q	Putative ABC transporter, ATP-binding protein
SSP0086	R	Putative permease of the major facilitator superfamily, truncated
SSP0087	R	Putative permease of the major facilitator superfamily, truncated
SSP0142	R	Putative permease
SSP0151	R	Putative permease
SSP0190	R	Conserved hypothetical protein
SSP0206	R	Putative permease of the major facilitator superfamily, truncated
SSP0207	R	Putative permease of the major facilitator superfamily, truncated
SSP0248	R	ABC-type uncharacterized transport system, periplasmic component
SSP0319	R	Putative permease of the major facilitator superfamily, truncated
SSP0320	R	Putative permease of the major facilitator superfamily, truncated
SSP0343	R	Putative permease of the drug/metabolite transporter (DMT) superfamily, truncated
SSP0363	R	Putative permease of the major facilitator superfamily, truncated
SSP0364	R	Putative permease of the major facilitator superfamily, truncated
SSP1137	R	Putative ABC-type transport system, ATPase component, truncated
SSP1138	R	Putative ABC-type transport system, ATPase component, truncated
SSP1328	R	Transporter, LysE family
SSP1337	R	Putative ABC transporter, permease protein

Regulation systems

SSP0841	-	AgrD
SSP1602	E	Putative transporter
SSP0617	G	Putative regulatory protein
SSP0019	K	Putative transcriptional regulator
SSP0085	K	Transcriptional regulator, partial
SSP0094	K	Transcriptional regulator
SSP0102	K	Transcriptional regulator
SSP0103	K	Lactose operon transcription activator
SSP0112	K	Putative transcriptional regulator
SSP0122	K	Putative transcriptional regulator, truncated
SSP0132	K	Transcriptional regulator
SSP0139	K	Transcriptional regulator
SSP0148	K	Transcriptional regulator, truncated
SSP0167	K	Transcriptional regulator
SSP0183	K	Putative transcriptional regulator
SSP0198	K	Putative transcriptional regulator
SSP0227	K	Putative transcriptional regulator
SSP0245	K	Putative transcriptional antiterminator, partial
SSP0256	K	Putative transcriptional regulator
SSP0273	K	Putative transcriptional regulator
SSP0314	K	Putative regulatory protein
SSP0361	K	Putative transcriptional regulator
SSP0362	K	Putative transcriptional regulator
SSP0381	K	Putative transcription antiterminator, truncated
SSP0382	K	Putative β -glucoside operon antiterminator, truncated
SSP0408	K	Putative transcriptional regulator, truncated
SSP0514	K	Putative transcriptional regulator
SSP0593	K	Putative transcriptional regulator
SSP0628	K	Putative transcriptional regulator
SSP0636	K	Putative transcriptional regulator
SSP0738	K	Putative transcriptional regulator
SSP0813	K	RNA polymerase sigma-B factor, truncated
SSP0850	K	Transcriptional regulator
SSP1327	K	Predicted transcriptional regulator
SSP1329	K	Transcriptional regulator, truncated
SSP1330	K	Transcriptional regulator, truncated
SSP1396	K	Putative transcriptional repressor of ribose operon
SSP1471	K	Putative transcriptional regulator
SSP1604	K	Putative transcriptional regulator

SSP1620	K	Putative transcriptional regulator
SSP1628	K	Transcriptional regulator, partial
SSP1745	K	Putative transcriptional regulator
SSP2130	K	Transcriptional regulator
SSP2153	K	Putative transcriptional regulator, sarA paralog
SSP2166	K	Transcriptional regulator
SSP2184	K	Transcriptional regulator
SSP2309	K	Transcriptional regulator, truncated
SSP2310	K	Transcriptional regulator, truncated
SSP2332	K	Putative transcriptional regulator
SSP2355	K	Transcriptional regulator
SSP2359	K	Transcriptional regulator
SSP2385	K	Putative transcriptional regulator, truncated
SSP2386	K	Putative transcriptional regulator, truncated
SSP2430	K	Putative transcriptional regulator, partial
SSP0186	KE	Putative transcriptional regulator
SSP1621	KE	Putative transcriptional regulator
SSP0523	KG	Putative transcriptional regulator of sugar metabolism
SSP2181	KG	Transcriptional regulator
SSP0179	KT	Putative transcriptional regulator
SSP1945	S	Hypothetical protein
SSP1946	S	Hypothetical protein

Mobile elements

SSP1642	-	Probable integrase (truncated), partial
SSP1944	K	Putative prophage antirepressor
SSP0030	L	Putative replication protein RepA
SSP0046	L	Cassette chromosome recombinase C
SSP0335	L	Transposase
SSP0903	L	Putative transposase, truncated
SSP0989	L	Transposase
SSP1423	L	Transposase
SSP1431	L	Transposase, partial
SSP1605	L	Putative transposase
SSP1611	L	Transposase (IS431)
SSP1947	L	Integrase
SSP0580	R	Putative transposase, truncated
SSP0581	R	Putative transposase, truncated
SSP0901	R	Putative transposase, truncated
SSP0902	R	Putative transposase, truncated
SSP0990	R	Putative transposase, truncated
SSP0991	R	Putative transposase, truncated
SSP1606	R	Putative transposase
SSP1940	R	Putative primase

Virulence factors and antibiotics resistance

SSP0130	-	Putative antibacterial peptide
SSP1597	-	Putative antibacterial protein
SSP1598	-	Putative antibacterial protein
SSP1924	-	Putative aminoglycoside adenylyltransferase
SSP2165	-	Putative fibronectin-binding protein
SSP0392	E	Putative glyoxalase/bleomycin resistance protein
SSP1462	S	Putative MccC family protein

Other function assigned

SSP0067	-	Putative glycosyl transferase
SSP0291	-	Putative 6-pyruvoyl tetrahydrobiopterin synthase
SSP0091	C	Putative monooxygenase
SSP0188	C	Succinate-semialdehyde dehydrogenase
SSP0249	C	Lactate dehydrogenase
SSP0281	C	Conserved hypothetical protein
SSP0389	C	Putative aldehyde dehydrogenase
SSP0520	C	Putative oxidoreductase
SSP0521	C	Putative oxidoreductase
SSP0563	C	Putative L-ribulokinase
SSP1001	C	L-lactate dehydrogenase
SSP1236	C	Phosphotransacetylase, partial
SSP2178	C	L-ribulokinase
SSP2190	C	Putative oxidoreductase
SSP1634	CR	Putative alcohol dehydrogenase
SSP0126	E	Putative arginase

SSP0187	E	4-Aminobutyrate aminotransferase
SSP0224	E	Putative succinyl-diaminopimelate desuccinylase
SSP0251	E	O-acetylhomoserine sulfhydrylase
SSP0338	E	Putative 1-aminocyclopropane-1-carboxylate deaminase
SSP0346	E	Putative succinyl-diaminopimelate desuccinylase
SSP0368	E	Putative succinyl-diaminopimelate desuccinylase, truncated
SSP0369	E	Putative succinyl-diaminopimelate desuccinylase, truncated
SSP0421	E	Putative glyoxalase family protein
SSP0432	E	D-serine dehydratase
SSP0466	E	Putative peptidase
SSP0823	E	Acetolactate synthase, small subunit
SSP0934	E	Aspartate 1-decarboxylase precursor, truncated
SSP1386	E	Putative phosphoglycerate dehydrogenase
SSP1892	E	Putative lactoylglutathione lyase
SSP2052	E	Putative methionine synthase II (cobalamin-independent)
SSP2172	E	Putative homocysteine S-methyltransferase
SSP2174*	E	NAD-specific glutamate dehydrogenase
SSP2175	E	Putative agmatinase
SSP2293	EG	Dihydroxyacid dehydratase/phosphogluconate dehydratase
SSP0366	ER	Sorbitol dehydrogenase
SSP0524	ER	Putative dehydrogenase
SSP1623	ER	Alcohol dehydrogenase
SSP2179	ER	Putative dehydrogenase
SSP0287	F	Putative inosine-uridine preferring nucleoside hydrolase
SSP0747	F	Deoxyribose-phosphate aldolase
SSP0951	F	Putative formyltetrahydrofolate hydrolase
SSP1600	F	Putative adenylate kinase, truncated
SSP1601	F	Putative adenylate kinase, truncated
SSP1735	F	Inosine-uridine preferring nucleoside hydrolase
SSP2398	F	Putative adenosine deaminase
SSP0097	G	Putative β -mannosidase precursor, truncated
SSP0098	G	Putative β -D-mannosidase, truncated
SSP0105	G	β -D-galactosidase
SSP0125	G	β -Glucosidase
SSP0235*	G	Putative glucosamine-6-phosphate isomerase, partial
SSP0380	G	β -Glucosidase, truncated
SSP0413	G	Putative 2 deoxy-D-gluconate 3-dehydrogenase, truncated
SSP0497	G	Putative β -glucosidase/6-phospho- β -glucosidase/ β -galactosidase, partial
SSP0525	G	Dihydroxyacetone kinase
SSP0526	G	Dihydroxyacetone kinase
SSP0629	G	Galactokinase
SSP0631	G	Putative galactose-1-phosphate uridylyltransferase
SSP1032	G	Formyltetrahydrofolate synthetase, truncated
SSP1331	G	Putative sugar phosphate isomerase/epimerase
SSP1612	G	Sorbitol dehydrogenase, partial
SSP1626	G	Putative hexulose-6-phosphate synthase
SSP2148	G	Putative hexulose-6-phosphate synthase
SSP2183	G	Putative 2-dehydro-3-deoxyphosphogluconate aldolase/4-hydroxy-2-oxoglutarate aldolase
SSP0018	GC	Putative glycosyltransferase
SSP0119	H	Putative dihydrofolate reductase
SSP1335	H	Putative dihydrofolate reductase family
SSP2205	H	Putative 2-amino-3-ketobutyrate coenzyme A ligase
SSP2406	H	Uroporphyrin-III C-methyltransferase
SSP0185	I	Putative cardiolipin synthase
SSP0501	I	Lipase precursor (Glycerol ester hydrolase), truncated
SSP1638	I	Putative lipase
SSP1894	I	Putative lysophospholipase
SSP2199	I	Succinyl-CoA:3-ketoacid-coenzyme A transferase subunit B
SSP2200	I	Succinyl-CoA:3-ketoacid-coenzyme A transferase subunit A
SSP2296	I	Lipase precursor, truncated
SSP2297	I	Lipase precursor, truncated
SSP2396	I	Putative phospholipid phosphatase
SSP1558	J	Putative acetyltransferase
SSP2202	J	Putative acetyltransferase
SSP2294	J	Putative acetyltransferase
SSP0341	KR	Putative acetyltransferase
SSP0420	KR	Putative acetyltransferase
SSP0472	KR	Putative acetyltransferase
SSP0028	L	Putative DNA modification methylase
SSP0029	L	Putative modification methylase
SSP0052	L	Putative restriction endonuclease S subunit

SSP0073	L	Putative restriction endonuclease
SSP0289	L	Putative DNA-3-methyladenine glycosidase
SSP1670	L	Putative excinuclease ABC, subunit A, truncated
SSP1671	L	Putative excinuclease ABC, subunit A, truncated
SSP0059	M	UTP-glucose-1-phosphate uridylyltransferase
SSP0064	M	Putative glycosyltransferase
SSP0065	M	Putative glycosyl transferase
SSP0076	M	Putative glycosyl transferase
SSP0107	M	Putative glucosyl transferase
SSP1302	M	Putative extracellular amidase
SSP1599	M	Putative glycosyltransferase
SSP2147	M	Putative 6-phospho-3-hexuloisomerase
SSP2357	N	Putative extracellular amidase
SSP1050	NO	Putative protease
SSP1637	O	Putative glutathione peroxidase, partial
SSP1058	P	Putative copper homeostasis protein
SSP2168	P	Putative alkylphosphonate uptake protein
SSP2418	P	Sulfite reductase flavoprotein subunit
SSP0114	QR	Putative oxidoreductase, short chain dehydrogenase/reductase family
SSP0192	QR	Putative SAM-dependent methyltransferase
SSP0201	QR	Putative oxidoreductase, short-chain dehydrogenase/reductase family
SSP0414	QR	Putative 2 deoxy-D-gluconate 3-dehydrogenase, truncated
SSP1627	QR	Putative dehydrogenase
SSP2198	QR	Putative oxidoreductase
SSP0081	R	Putative malate:quinone oxidoreductase
SSP0096	R	Putative monooxygenase, truncated
SSP0099	R	Putative amidohydrolase, truncated
SSP0100	R	Putative amidohydrolase, truncated
SSP0101	R	Putative metal-dependent hydrolase
SSP0156	R	Putative malate:quinone oxidoreductase
SSP0205	R	Putative acetyltransferase
SSP0226	R	Putative FMN reductase, NADPH-dependent
SSP0236	R	Similar to quorum-quenching N-acyl homoserine lactonase
SSP0247	R	Putative metal-dependent membrane protease
SSP0276	R	Putative hydrolase
SSP0318	R	Putative esterase of α/β hydrolase superfamily
SSP0355	R	Putative zinc-binding dehydrogenase
SSP0367	R	Putative 2-haloalkanoic acid dehalogenase
SSP0377	R	Putative NADPH-quinone reductase
SSP0502	R	Lipase precursor (Glycerol ester hydrolase), truncated
SSP0635	R	Putative metal-dependent hydrolase
SSP1306	R	Putative esterase
SSP1333	R	Putative lipopolysaccharide biosynthesis protein
SSP1358	R	Putative aldo/keto reductase
SSP1891	R	Putative acetyltransferase
SSP1899	R	Putative hydrolase, partial
SSP1904	R	Putative haloacid dehalogenase-like hydrolase
SSP2204	R	Putative kinase
SSP2392	R	Putative carboxypeptidase, partial
SSP2397	R	Putative methyltransferase
SSP2431	R	Putative hydrolase
SSP2433	R	Aldo/keto reductase family protein
SSP0117	S	Conserved hypothetical protein
SSP0118	S	Conserved hypothetical protein
SSP0120	S	Conserved hypothetical protein
SSP0440	S	Conserved hypothetical protein
SSP0473	S	Lipoprotein precursor, truncated
SSP0474	S	Lipoprotein precursor, truncated
SSP0511	S	Hypothetical protein
SSP1332	S	Conserved hypothetical protein
SSP2315	S	Conserved hypothetical protein
SSP2346	S	Hypothetical protein
Unknown		
SSP0027	S	Hypothetical protein
SSP0032	S	Hypothetical protein
SSP0033	S	Hypothetical protein
SSP0034	S	Hypothetical protein
SSP0037	S	Hypothetical protein
SSP0040	S	Hypothetical protein
SSP0041	S	Hypothetical protein

SSP0042	S	Hypothetical protein
SSP0043	S	Hypothetical protein
SSP0044	S	Hypothetical protein
SSP0045	S	Hypothetical protein
SSP0047	S	Hypothetical protein
SSP0048	S	Hypothetical protein
SSP0049	S	Hypothetical protein
SSP0050	S	Hypothetical protein
SSP0051	S	Hypothetical protein
SSP0055	S	Hypothetical protein
SSP0056	S	Hypothetical protein
SSP0057	S	Hypothetical protein, truncated
SSP0058	S	Conserved hypothetical protein, truncated
SSP0072	-	Capsular polysaccharide synthesis protein, partial
SSP0075	S	Hypothetical protein
SSP0077	S	Hypothetical protein
SSP0078	S	Hypothetical protein
SSP0079	S	Hypothetical protein
SSP0080	I	Hypothetical protein
SSP0106	S	Conserved hypothetical protein, truncated
SSP0109	S	Hypothetical protein, truncated
SSP0113	S	Hypothetical protein
SSP0121	S	Hypothetical protein
SSP0128	S	Hypothetical protein
SSP0131	S	Immunodominant antigen
SSP0140	S	Conserved hypothetical protein
SSP0141	S	Hypothetical protein
SSP0143	S	Hypothetical protein
SSP0149	S	Conserved hypothetical protein, truncated
SSP0150	R	Conserved hypothetical protein, truncated
SSP0158	-	Biofilm-associated surface protein, truncated
SSP0159	-	Biofilm-associated surface protein, truncated
SSP0160	-	Biofilm-associated surface protein, truncated
SSP0161	S	Hypothetical protein
SSP0162	S	Hypothetical protein
SSP0163	S	Hypothetical protein
SSP0168	R	Putative RNA binding protein
SSP0169	S	Conserved hypothetical protein
SSP0173	S	Hypothetical protein
SSP0197	S	Hypothetical protein
SSP0199	S	Conserved hypothetical protein
SSP0200	S	Conserved hypothetical protein
SSP0202	S	Conserved hypothetical protein
SSP0228	S	Conserved hypothetical protein, partial
SSP0229	S	Hypothetical protein
SSP0239	S	Conserved hypothetical protein
SSP0257	R	Conserved hypothetical protein
SSP0258	S	Hypothetical protein
SSP0284	S	Conserved hypothetical protein, truncated
SSP0285	S	Conserved hypothetical protein, truncated
SSP0305	S	Hypothetical protein
SSP0308	S	Conserved hypothetical protein
SSP0309	S	Hypothetical protein
SSP0310	-	Similar to intercellular adhesion protein C
SSP0321	S	Hypothetical protein
SSP0358	S	Conserved hypothetical protein
SSP0384	S	Hypothetical protein
SSP0415	S	Conserved hypothetical protein
SSP0416	S	Hypothetical protein
SSP0438	S	Hypothetical protein
SSP0446	S	Conserved hypothetical protein, truncated
SSP0467	S	Hypothetical protein
SSP0468	S	Conserved hypothetical protein, truncated
SSP0469	S	Conserved hypothetical protein, truncated
SSP0470	S	Conserved hypothetical protein
SSP0482	S	Hypothetical protein
SSP0486	S	Hypothetical protein
SSP0498	K	Conserved hypothetical protein
SSP0504	O	Putative small heat shock protein
SSP0515	S	Conserved hypothetical protein, truncated
SSP0517	S	Conserved hypothetical protein, truncated

SSP0522	S	Conserved hypothetical protein
SSP0558	S	Conserved hypothetical protein, partial
SSP0597	S	Hypothetical protein
SSP0613	S	Putative secretory antigen precursor
SSP0624	S	Hypothetical protein
SSP0697	S	Conserved hypothetical protein
SSP0730	S	Conserved hypothetical protein
SSP0830	S	Conserved hypothetical protein
SSP0845	G	Hypothetical protein
SSP0849	S	Hypothetical protein
SSP0854	S	Hypothetical protein
SSP0868*	S	Hypothetical protein
SSP0870	S	Hypothetical protein
SSP0918	R	Putative intracellular protease/amidase
SSP0942	S	Hypothetical protein
SSP0949	S	Hypothetical protein
SSP0983	S	Conserved hypothetical protein, partial
SSP0992	S	Hypothetical protein
SSP1051	S	Hypothetical protein
SSP1055	S	Hypothetical protein
SSP1103	I	Hypothetical protein
SSP1130	S	Hypothetical protein
SSP1135	S	Hypothetical protein
SSP1152	S	Hypothetical protein
SSP1208	S	Conserved hypothetical protein
SSP1309	S	Hypothetical protein
SSP1310	C	Conserved hypothetical protein
SSP1338	S	Hypothetical protein
SSP1380	S	Hypothetical protein
SSP1381	S	Hypothetical protein
SSP1383	S	Hypothetical protein
SSP1385	S	Hypothetical protein
SSP1399	S	Hypothetical protein
SSP1400	S	Hypothetical protein
SSP1414	S	Hypothetical protein
SSP1430	S	Hypothetical protein
SSP1441	S	Hypothetical protein
SSP1443	S	Hypothetical protein
SSP1469	S	Hypothetical protein
SSP1472	S	Hypothetical protein, truncated
SSP1473	S	Hypothetical protein, truncated
SSP1496	S	Hypothetical protein, partial
SSP1497	S	Hypothetical protein
SSP1498	S	Hypothetical protein
SSP1565	S	Conserved hypothetical protein
SSP1566	S	Hypothetical protein
SSP1607	S	Hypothetical protein
SSP1613	S	Hypothetical protein, truncated
SSP1614	S	Hypothetical protein, truncated
SSP1615	S	Hypothetical protein, truncated
SSP1616	S	Hypothetical protein
SSP1617	S	Hypothetical protein
SSP1639	S	Hypothetical protein
SSP1699	S	Hypothetical protein
SSP1702	S	Hypothetical protein
SSP1712	S	Hypothetical protein
SSP1728	C	Putative flavohemoprotein
SSP1734	S	Hypothetical protein
SSP1753	S	Hypothetical protein
SSP1760	S	Hypothetical protein
SSP1766	S	Hypothetical protein
SSP1784	R	Conserved hypothetical protein
SSP1807	R	Hypothetical protein
SSP1856	S	Hypothetical protein
SSP1863	N	Conserved hypothetical protein
SSP1876	S	Hypothetical protein
SSP1881	S	Hypothetical protein
SSP1883	S	Hypothetical protein
SSP1884	S	Hypothetical protein
SSP1885	S	Hypothetical protein
SSP1887	S	Hypothetical protein

SSP1888	S	Hypothetical protein
SSP1889	S	Hypothetical protein
SSP1890	S	Hypothetical protein
SSP1893	S	Hypothetical protein
SSP1896	S	Hypothetical protein
SSP1897*	S	Conserved hypothetical protein
SSP1898	S	Hypothetical protein
SSP1900	S	Hypothetical protein
SSP1901	S	Hypothetical protein
SSP1902	S	Hypothetical protein
SSP1903	J	Hypothetical protein
SSP1905	S	Hypothetical protein
SSP1911	S	Hypothetical protein
SSP1918	S	Hypothetical protein
SSP1920	S	Hypothetical protein
SSP1922	S	Hypothetical protein
SSP1925	S	Hypothetical protein, partial
SSP1927	S	Hypothetical protein, partial
SSP1928*	S	Hypothetical protein
SSP1930	S	Hypothetical protein
SSP1932	S	Hypothetical protein
SSP1933	S	Hypothetical protein
SSP1934	S	Hypothetical protein
SSP1935	S	Hypothetical protein
SSP1936	S	Hypothetical protein
SSP1937	S	Hypothetical protein
SSP1938	S	Hypothetical protein
SSP1939	S	Hypothetical protein
SSP1941	S	Hypothetical protein
SSP1942	S	Hypothetical protein
SSP1943	S	Hypothetical protein
SSP1948	S	Conserved hypothetical protein, partial
SSP1992	S	Hypothetical protein
SSP2004	S	Hypothetical protein
SSP2022	S	Hypothetical protein
SSP2028	S	Conserved hypothetical protein
SSP2036	S	Hypothetical protein, truncated
SSP2100	S	Hypothetical protein
SSP2102	S	Conserved hypothetical protein
SSP2126	S	Hypothetical protein
SSP2138	S	Hypothetical protein
SSP2139	S	Conserved hypothetical protein
SSP2159	S	Hypothetical protein
SSP2161	S	Hypothetical protein
SSP2162	S	Hypothetical protein
SSP2169	S	Hypothetical protein
SSP2170	S	Conserved hypothetical protein
SSP2177	S	Hypothetical protein
SSP2182	Q	Hypothetical protein
SSP2187	S	Hypothetical protein
SSP2188	S	Hypothetical protein
SSP2191	S	Conserved hypothetical protein
SSP2193	S	Hypothetical protein
SSP2197	S	Hypothetical protein
SSP2203	S	Hypothetical protein
SSP2300	S	Conserved hypothetical protein
SSP2301	S	Hypothetical protein
SSP2302	S	Hypothetical protein
SSP2307	S	Conserved hypothetical protein
SSP2312*	K	Cold shock protein
SSP2314	S	Hypothetical protein
SSP2317	S	Hypothetical protein
SSP2318	S	Hypothetical protein
SSP2319	S	Hypothetical protein
SSP2320	S	Hypothetical protein
SSP2321	S	Hypothetical protein
SSP2330	S	Hypothetical protein
SSP2336	S	Hypothetical protein
SSP2344	S	Hypothetical protein
SSP2345	S	Hypothetical protein
SSP2347	S	Hypothetical protein

SSP2350	S	Conserved hypothetical protein
SSP2356	S	Hypothetical protein, partial
SSP2358	S	Hypothetical protein
SSP2360	S	Hypothetical protein
SSP2362	S	Conserved hypothetical protein, partial
SSP2363	S	Conserved hypothetical protein
SSP2364	S	Hypothetical protein
SSP2365	S	Hypothetical protein
SSP2366	S	Hypothetical protein
SSP2367	S	Hypothetical protein
SSP2368	S	Hypothetical protein
SSP2369	S	Hypothetical protein
SSP2370	S	Hypothetical protein
SSP2381	S	Conserved hypothetical protein
SSP2382	S	Conserved hypothetical protein
SSP2387	S	Hypothetical protein
SSP2390	S	Hypothetical protein
SSP2394	S	Conserved hypothetical protein, truncated
SSP2399	S	Hypothetical protein
SSP2400	S	Hypothetical protein
SSP2419	S	Conserved hypothetical protein
SSP2422	S	Conserved hypothetical protein
SSP2429	S	Hypothetical protein
SSP2434	S	Hypothetical protein
SSP2436	S	Hypothetical protein
SSP2437	S	Hypothetical protein
SSP2440	T	Carbon starvation protein CstA

*cognate gene was identified in the genome sequence of other staphylococcal strains

†Classification based on COGs category described in Fig. 1.