Supplemental Table 1. Groups of orthologous genes unique to the FRI909 genome, when compared to *S.epidermidis* genomes RP62a and ATCC12228

Cluster number	No. of genes	Locus ID and annotation
ORTHOMCL2055	2	GSEF_1912(staphylococcus tandem lipoproteins family protein),GSEF_1913(staphylococcus tandem lipoproteins family protein)
ORTHOMCL2076	2	GSEF_1608(phytoene desaturase family protein),GSEF_1610(phytoene desaturase family protein)
ORTHOMCL2077	2	GSEF_1518(CAAX amino terminal protease family protein),GSEF_1519(protein of pXO2-46)
ORTHOMCL2089	2	GSEF_1322(cold shock protein cspD),GSEF_1325(cold shock protein cspD),
ORTHOMCL2121	2	GSEF_0161(Staphylococcal enterotoxin L),GSEF_0163(Staphylococcal enterotoxin C3)
ORTHOMCL2124	2	GSEF_0007(conserved hypothetical protein),GSEF_0009(unnamed protein product domain protein)
ORTHOMCL777	2	GSEF_1305(rlx protein),GSEF_1307(rlx protein)
ORTHOMCL1777	2	GSEF_0157(ORF009 domain protein),GSEF_0614(terminase small subunit (G1P)),GSEF_2102(bacteriophage terminase small subunit domain protein)
ORTHOMCL225	3	GSEF_2074(unnamed protein product; no similarity),GSEF_2077(unnamed protein product; no similarity),GSEF_2101(unnamed protein product; no similarity)
ORTHOMCL1778	3	GSEF_0151(hypothetical protein),GSEF_0154(conserved hypothetical protein),GSEF_0156(conserved hypothetical protein)
ORTHOMCL11	3	GSEF_1345(bacterial mobilisation protein (MobC) family protein), GSEF_2291(bacterial mobilisation protein (MobC) family protein), GSEF_2329(bacterial mobilisation protein (MobC) family protein)
ORTHOMCL4	3	GSEF_1315(orf337 domain protein),GSEF_2179(mobilization protein, point mutation), GSEF_2330(orf337 domain protein)
ORTHOMCL16	4	GSEF_1687(conserved hypothetical protein),GSEF_1688(conserved hypothetical protein),GSEF_1689(conserved hypothetical protein),GSEF_1691(conserved hypothetical protein)
ORTHOMCL18	4	GSEF_1340(truncated replication protein),GSEF_1790(initiator Replication family protein),GSEF_2178(initiator Replication family protein),GSEF_2321(initiator Replication family protein)
ORTHOMCL23	4	GSEF_0012(hypothetical protein),GSEF_0150(hypothetical protein),GSEF_0153(hypothetical protein),GSEF_0155(hypothetical protein),

Supplemental Table 2. PCR primers for screening additional *S. epidermidis* strains for presence of the SePI element

Gene	Forward Primer	Reverse Primer	Expected Size (bp)	GenBank Accession
sea	5'-GCAGGGAACAGCTTTAGGC	5'-GTTCTGTAGAAGTATGAAACACG	521	M18970
seb	5'-ACATGTAATTTTGATATTCGCACTG	5'-TGCAGGCATCATGTCATACCA	667	M11118
sec	5'-CTTGTATGTATGGAGGAATAACAA	5'-TGCAGGCATCATATCATACCA	284	X05815(sec1)
				AY450554(sec2)
				X51661(sec3)
sed	5'-GTGGTGAAATAGATAGGACTGC	5'-ATATGAAGGTGCTCTGTGG	385	M28521
see	5'-TACCAATTAACTTGTGGATAGAC	5'-CTCTTTGCACCTTACCGC	171	M21319
seg	5'-CGTCTCCACCTGTTGAAGG	5'-CCAAGTGATTGTCTATTGTCG	328	AF064773
seh	5'-CAACTGCTGATTTAGCTCAG	5'-GTCGAATGAGTAATCTCTAGG	359	U11702
sei	5'-CAACTCGAATTTTCAACAGGTACC	5'-CAGGCAGTCCATCTCCTG	466	AF064774
sej	5'-CATCAGAACTGTTGTTCCGCTAG	5'-CTGAATTTTACCATCAAAGGTAC	142	AF053140
16s	5'-GTAGGTGGCAAGCGTTATCC	5'-CGCACATCAGCGTCAG	228	X68417

GSEF Locus ID/Function	Forward Primer	Reverse Primer	Expected Size (bp)
GSEF_0619/SePI-Integrase	5'-AGACACATACAAACAACCATTTGC	5'-ATACTTGCACCATGATTGACTAGC	724
GSEF_0613/SePI-Hypothetical	5'-AATGAAAGAGCTTGGATTTCAATG	5'-CGCGTTTCATCTTTAAACTTTTC	524
GSEF_0617/SaPI1028 Packaging protein	5'-ATACATTAACCGAACAAGCACAAC	5'-CTCATTTTCTGTTACAACCACACC	356