

Protein Name	Protein Id	Gene product	Function	4 dpi SAC	10 dpi SAC	4 dpi Interface	10 dpi Interface	Platform
50S ribosomal protein L30	Q2FEQ7	RpmD	Ribosome	YES	YES	NO	YES	P/MQ
50S ribosomal protein L17	Q2FER6	RplQ	Ribosome	YES	YES	NO	YES	P/MQ
Threonine--tRNA ligase	Q2FG54	ThrS	Translation	NO	YES	YES	YES	P/MQ
Elongation factor Ts	Q2FHI1	Tsf	Translation	YES	YES	NO	YES	P/MQ
Elongation factor Tu	Q2FJ92	Tuf	Translation	YES	YES	YES	YES	P/MQ
Elongation factor G	Q2FJ93	FusA	Translation	NO	YES	YES	YES	P
50S ribosomal protein L7/L12	Q2FJA0	RplL	Ribosome	YES	YES	NO	YES	P
Uncharacterized leukocidin-like protein 2	Q2FFA2	LukA	Virulence	NO	YES	NO	YES	P/MQ
Extracellular matrix-binding protein ebh	Q2FH04	Ebh	Virulence	YES	YES	YES	YES	P
Extracellular adherence protein	A6QIG2	Eap	Virulence	YES	YES	YES	YES	P
FPRL1 inhibitory protein	Q2FHS7	FLIPr	Virulence/ Immune Evasion	NO	YES	NO	YES	P/MQ
Extracellular matrix protein-binding protein emp	Q2FIK4	Emp	Virulence	YES	YES	YES	YES	P/MQ
Iron-regulated surface determinant protein A	Q2FHV1	IsdA	Metal homeostasis	NO	YES	NO	YES	P/MQ
Iron-regulated surface determinant protein B	Q2FHV2	IsdB	Metal homeostasis	NO	NO	NO	YES	P
L-lactate dehydrogenase 2	Q2FDQ7	Ldh2	Anaerobic metabolism	YES	YES	YES	YES	P/MQ
Enolase	Q2FIL7	Eno	Energy	YES	YES	NO	YES	P/MQ
Alcohol dehydrogenase	Q2FJ31	Adh	Anaerobic metabolism	YES	YES	YES	YES	P/MQ
Formate acetyltransferase	Q2FK44	PflB	Anaerobic metabolism	YES	YES	YES	YES	P/MQ
ATP-dependent Clp protease ATP-binding subunit ClpL	Q2FDV8	ClpL	Stress	NO	YES	NO	YES	P
Putative universal stress protein SAUSA300_1656	Q2FG28	USP2	Stress	YES	YES	YES	YES	P/MQ
Alanine dehydrogenase 1	Q2FH00	Ald1	L-alanine catabolic processes	NO	YES	NO	YES	P/MQ
Alkyl hydroperoxide reductase C	Q2FJN4	AhpC	Stress	YES	YES	YES	YES	P/MQ
Trigger factor	Q2FG61	Tig	Protein folding	NO	YES	NO	YES	P/MQ

Chaperone protein DnaK	Q2FGE3	DnaK	Protein folding	YES	YES	YES	YES	P/MQ
UPF0337 protein SAUSA300_0816	Q2FIG2	SAUSA300_0816	Unknown function	NO	NO	NO	YES	P/MQ
GTP-sensing transcriptional pleiotropic repressor CodY	Q2FHI3	CodY	Regulation/ Nutrition	YES	YES	NO	YES	P/MQ
Fructose-bisphosphate aldolase class 1	Q2FDQ4	Fda	Glycolysis	YES	YES	YES	YES	P/MQ
ATP synthase subunit alpha	Q2FF22	AtpA	Energy	YES	YES	YES	YES	P
ATP synthase subunit beta	Q2FF24	AtpD	Energy	YES	YES	YES	YES	P
S-adenosylmethionine synthase	Q2FFV6	MetK	Amino acid biosynthesis	YES	YES	YES	YES	P
Pyruvate kinase	Q2FG40	Pyk	Glycolysis	NO	YES	NO	YES	P
Glucose-6-phosphate isomerase	Q2FIB3	Pgi	Glycolysis	NO	YES	NO	YES	P/MQ

Table S2: List of bacterial proteins detected and their localizations based on stringent search criteria from Protalizer and MaxQuant. No bacterial proteins were detected in the cortex.