

Supplementary Table 2. Identification of *S. aureus* and *E. coli* proteins in IgE immune complexes**(A) *S. aureus* proteins**

Patient	Reactive protein	Species	Accession number	MW of protein (Da)	Score	Database
A	DNA-binding protein HU	<i>S. aureus</i>	DBH_STAAC	9620	254	Swiss-Prot
	Flagellin	<i>Shigella flexneri</i>	FLIC_SHIFL	56603	76	Swiss-Prot
	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex	<i>S. aureus</i>	ODP2_STAAC	46382	56	Swiss-Prot
	DNA-binding protein HU-1	<i>Bacillus halodurans</i>	DBH1_BACHD	9657	56	Swiss-Prot
	Ribosomal RNA small subunit methyltransferase	<i>Mycobacterium marinum</i>	RSMH_MYCMM	37524	55	Swiss-Prot
	Regulator of ribonuclease activity A	<i>Pseudomonas syringae</i>	RRAA_PSE14	17861	51	Swiss-Prot

(B) *E. coli* proteins

Patient	Reactive protein	Species	Accession number	MW of protein (Da)	Score	Database	
A	Flagellin	<i>Shigella flexneri</i>	FLIC_SHIFL	56603	675	Swiss-Prot	
	50S ribosomal protein L17	<i>E. coli</i>	RL17_ECO24	14414	225	Swiss-Prot	
	Glyceraldehyde-3-phosphatase dehydrogenase A	<i>E. coli</i>	G3P1_ECO57	35684	147	Swiss-Prot	
	Flagellin	<i>Salmonella berta</i>	FLIC_SALBE	53245	141	Swiss-Prot	
	30S ribosomal protein S4	<i>E. coli</i>	RS4_ECO24	23513	115	Swiss-Prot	
	Flagellin	<i>Bordetella bronchiseptica</i>	FLAA_BORBR	40508	84	Swiss-Prot	
	30S ribosomal protein S4	<i>Aeromonas hydrophila</i>	RS4_AERHH	23507	77	Swiss-Prot	
	30S ribosomal protein S4	<i>Alkaliphilus metalliredigens</i>	RS4_ALKMQ	23616	63	Swiss-Prot	
	50S ribosomal protein L17	<i>Anaeromyxobacter dehalogenans</i>	RL17_ANAD2	18468	58	Swiss-Prot	
	Dihydroxy-acid dehydratase	<i>Corynebacterium kroppenstedtii</i>	ILVD_CORK4	65348	55	Swiss-Prot	
	30S ribosomal protein S5	<i>E. coli</i>	RS5_ECO24	17592	55	Swiss-Prot	
	Chromosomal replication initiator protein dnaA	<i>Helicobacter pylori</i>	DNAA_HELPH	51526	52	Swiss-Prot	
	Dihydroxy-acid dehydratase	<i>Polaromonas naphthalenivorans</i>	ILVD_POLNA	59238	51	Swiss-Prot	
	B	Flagellin	<i>Shigella flexneri</i>	FLIC_SHIFL	56603	403	Swiss-Prot
		Flagellin	<i>Salmonella berta</i>	FLIC_SALBE	53245	234	Swiss-Prot
		30S ribosomal protein S4	<i>Aeromonas hydrophila</i>	RS4_AERHH	23507	83	Swiss-Prot
		30S ribosomal protein S4	<i>Alkaliphilus metalliredigens</i>	RS4_ALKMQ	23616	67	Swiss-Prot
		Bifunctional protein pyrR	<i>Corynebacterium efficiens</i>	PYRR_COREF	21002	53	Swiss-Prot
		Chromosomal replication initiator protein dnaA	<i>Mannheimia Succiniciproducens</i>	DNAA_MANSM	51806	53	Swiss-Prot
		50S ribosomal protein L16	<i>E. coli</i>	RL16_ECO24	15271	52	Swiss-Prot
C	Flagellin	<i>Shigella flexneri</i>	FLIC_SHIFL	56603	400	Swiss-Prot	
	Flagellin	<i>Salmonella berta</i>	FLIC_SALBE	53245	148	Swiss-Prot	
	50S ribosomal protein L2	<i>E. coli</i>	RL2_ECO24	29958	87	Swiss-Prot	
	50S ribosomal protein L17	<i>E. coli</i>	RL17_ECO24	144414	78	Swiss-Prot	
	Elongation factor G	<i>Lactobacillus delbrueckii</i>	EFG_LACDA	76564	78	Swiss-Prot	
	Ribose-5-phosphate isomerase A	<i>Photorhabdus luminescens</i>	RPIA_PHOLL	23224	53	Swiss-Prot	
	Dihydroxy-acid dehydratase	<i>Cytophaga hutshinsonii</i>	ILVD_CYTH3	60159	51	Swiss-Prot	
D	Flagellin	<i>Shigella flexneri</i>	FLIC_SHIFL	56603	256	Swiss-Prot	
	Flagellin	<i>Salmonella berta</i>	FLIC_SALBE	53245	87	Swiss-Prot	
	50S ribosomal protein L16	<i>E. coli</i>	RL16_ECO24	15271	57	Swiss-Prot	