

Supp Table 9: Proteins and pathogens identified from MPSLA for DQ 2-4

DQA 1*02 DQB1*04							
	Organism	#	a	Sequence	Protein	#	a
1	<i>Acinetobacter sp.</i>	1 +		VLVAVFVWA	Uncharacterized protein		+
				YLVAFFVLA	Uncharacterized protein		
2	<i>Actinomyces sp.</i>			VFVAVAVWY	Uncharacterized protein		+
3	<i>Ajellomyces sp.</i>			YFWFFAVLA	ATPase	1	
4	<i>Aspergillus sp.</i>	4		YFVFVAVLA	Hexose transporter	1	+
				YLVAFAFLA	Uncharacterized protein		
5	<i>Bacillus sp.</i>	2		VLVAVFVLA	Uncharacterized protein	1	+
				YLVAVDVWD	S-layer domain protein		
6	<i>Bordetella sp.</i>	1		YLVAFFVLA	Uncharacterized protein		+
7	<i>Clostridium sp.</i>	1		VFVFFFVLY	Uncharacterized protein		+
8	<i>Corynebacterium sp.</i>	2		VLVFAVLM	Iron ABC transporter permease	1	+
				VLVAVAVLY	Uncharacterized protein		+
9	<i>Enterobacter sp.</i>	+		VLVAFADLD	Diguanylate cyclase with GAF sensor	1	
10	<i>Enterococcus sp.</i>	1		VLVAVFVLA	Uncharacterized protein		+
11	<i>Klebsiella sp.</i>	1		VLVAFADLD	Diguanylate cyclase	1	
12	<i>Moraxella sp.</i>	1		VLVAVAVLM	Uncharacterized protein		+
13	<i>Mycobacterium sp.</i>	9 +		YLAVAVLM	Cobalt transporter	5	+
				VLVAVAVLA	Exopolyphosphatase		
				VLVAVAVWA	Uncharacterized protein		
				VLVDVFDLA	Uncharacterized protein		
				VFVAVADLD	Stage II sporulation protein E		
14	<i>Nocardia sp.</i>	4 +		VFVAFDVLY	ATP-dependent DNA ligase	2	
				VFVAVAVLA	Preprotein translocase YidC		
15	<i>Photobacterium sp.</i>	2		VFVAVAFLA	BCCT transporter	2	
				VLVAFFVLA	Efflux pump membrane transporter		
16	<i>Pseudomonas sp.</i>	3		VLVAVAVLY	Uncharacterized protein	2	+
				VLVAFDVLA	Peroxidase		
				YLVFFAVLY	Polysaccharide biosynthesis protein		
17	<i>Rhodococcus sp.</i>	1 +		VLVFAVLA	Major facilitator superfamily multidrug	2	
				VLVDVDDWA	Phenolphthiocerol synthesis polyketide synthase type I Pks15/1		
18	<i>Streptococcus sp.</i>	1		YLVAFAVLA	Uncharacterized protein		
19	<i>Vibrio sp.</i>	1		YLAVFVLM	Sodium dependent phosphate transporter	1	