

**Table S1. Microarray analysis of genes differentially expressed in strain MW2 versus the PSM-deficient isogenic MW2 $\Delta$ psm $\alpha\beta$ hld<sup>1</sup>.**

Gene number	Gene function	Gene name	Factor of regulation
Up-regulated in MW2 versus MW2 $\Delta$ psm $\alpha\beta$ hld			
MW2207	urease subunit beta	<i>ureB</i>	9.5
MW0528	hypothetical protein	<i>proP</i>	9.5
MW0135	capsular polysaccharide synthesis enzyme Cap8L	<i>cap8L</i>	9.4
MW0137	capsular polysaccharide synthesis enzyme Cap8N	<i>cap8N</i>	9.2
MW0133	capsular polysaccharide synthesis enzyme Cap8J	<i>cap8J</i>	9.2
MW2208	urease subunit alpha	<i>ureC</i>	9.1
MW2575	hypothetical protein	-	8.8
MW2206	urease subunit gamma	<i>ureA</i>	8.5
MW0134	capsular polysaccharide synthesis enzyme Cap8K	<i>cap8K</i>	7.9
MW2212	urease accessory protein UreD	<i>ureD</i>	7.8
MW0131	capsular polysaccharide synthesis enzyme Cap8H	<i>cap8H</i>	7.7
MW0129	capsular polysaccharide synthesis enzyme Cap8F	<i>cap8F</i>	7.3
MW2600	hypothetical protein	-	7.3
MW0132	capsular polysaccharide synthesis enzyme Cap8I	<i>cap8I</i>	7.2
MW2209	urease accessory protein UreE	<i>ureE</i>	7.1
MW0259	hypothetical protein	-	7.1
MW0256	hypothetical protein	-	6.9
MW0257	hypothetical protein	-	6.7
MW2210	urease accessory protein UreF	<i>ureF</i>	6.6
MW0518	Ser-Asp rich fibrinogen-binding bone sialoprotein-binding protein	<i>sdrE</i>	6.5
MW0263	hypothetical protein	-	6.4
MW2572	hypothetical protein	-	6.3
MW0258	hypothetical protein	-	6.2
MW2541	hypothetical protein	-	6.1
MW0136	capsular polysaccharide synthesis enzyme Cap8M	<i>cap8M</i>	6.0
MW0130	capsular polysaccharide synthesis enzyme Cap8G	<i>cap8G</i>	5.9
MW2505	hypothetical protein	-	5.9
MW0265	hypothetical protein	-	5.8
MW2444	D-lactate dehydrogenase	<i>ddh</i>	5.7
MW0128	capsular polysaccharide synthesis enzyme Cap8E	<i>cap8E</i>	5.7
MW2205	hypothetical protein	-	5.4
MW2505	hypothetical protein	-	5.2
MW0266	hypothetical protein	-	5.2
MW0081	myosin-cross-reactive antigen	-	5.2
MW0267	hypothetical protein	-	5.0
MW2574	preprotein translocase subunit SecY	<i>secY</i>	5.0
Down-regulated in MW2 versus MW2 $\Delta$ psm $\alpha\beta$ hld			
MW0767	extracellular ECM and plasma binding protein	<i>ssp</i>	-8.5
MW0534	hypothetical protein	-	-5.3

<sup>1</sup> All genes with a factor of regulation  $\geq 5.0$  are shown. See GEO accession number GSE72878 for the entire list.