

**Supplementary Table 3. Comparison of the expression change directions of genes that we discussed in this study with those in Palma *et al.* [12]**

Gene (Name)	Direction of expression change		Comparison between this study and Palma <i>et al.</i> [12] (in the order named)				
	This study	Palma <i>et al.</i> [12]	Agreement		Disagreement		
			Upregulation- Upregulation	Downregulation- Downregulation	Downregulation- Upregulation	Upregulation- No significance	Downregulation- No significance
<i>Primary metabolism-related</i>							
PA1317 ( <i>cyoA</i> )	Downregulation	Downregulation		X			
PA1319 ( <i>cyoC</i> )	Downregulation						X
PA3621 ( <i>fdxA</i> )	Downregulation	Downregulation		X			
PA4133	Downregulation						X
PA0654 ( <i>speD</i> )							
PA1687 ( <i>speE</i> )	Downregulation	Downregulation		X			
PA4839 ( <i>speA</i> )	Downregulation	Downregulation		X			
PA3607 ( <i>potA</i> )	Downregulation	Downregulation		X			
PA3608 ( <i>potB</i> )	Downregulation	Downregulation		X			
PA3609 ( <i>potC</i> )	Downregulation	Downregulation		X			
PA3610 ( <i>potD</i> )	Downregulation	Downregulation		X			
PA4432 ( <i>rpsL</i> )	Downregulation	Downregulation		X			
PA4563 ( <i>rpsT</i> )	Downregulation	Downregulation		X			
PA5049 ( <i>rpmE</i> )	Downregulation	Downregulation		X			
PA5315 ( <i>rpmG</i> )	Downregulation	Downregulation		X			
PA0671	Upregulation	Upregulation	X				
PA3008	Upregulation	Upregulation	X				
<i>Cellular protective mechanism-related</i>							
PA4236 ( <i>katA</i> )	Upregulation	Upregulation	X				
PA4613 ( <i>katB</i> )	Upregulation	Upregulation	X				
PA4366 ( <i>sodB</i> )							
PA4468 ( <i>sodM</i> )							
PA3007 ( <i>lexA</i> )	Upregulation	Upregulation	X				
PA3008	Upregulation	Upregulation	X				
PA3616	Upregulation					X	
PA3617 ( <i>recA</i> )	Upregulation	Upregulation	X				
PA0669	Upregulation	Upregulation	X				
PA3413	Upregulation	Upregulation	X				
PA3414	Upregulation	Upregulation	X				
PA4763 ( <i>recN</i> )	Upregulation	Upregulation	X				
<i>Iron regulation-related</i>							
PA2426 ( <i>pvdS</i> )	Downregulation	Upregulation			X		
PA2398 ( <i>fpvA</i> )	Downregulation						X
PA4221 ( <i>fptA</i> )	Downregulation	Upregulation			X		
PA4225 ( <i>pchF</i> )	Downregulation						X
PA4226 ( <i>pchE</i> )	Downregulation						X
PA4228 ( <i>pchD</i> )	Downregulation	Upregulation			X		



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PA0637	Upregulation	X
PA0638	Upregulation	X
PA0639	Upregulation	X
PA0640	Upregulation	X
PA0641	Upregulation	X
PA0642	Upregulation	X
PA0643	Upregulation	X
PA0644		
PA0645	Upregulation	X
PA0646	Upregulation	X
PA0647		
PA0648		
PA1151 ( <i>imm2</i> )	Downregulation	X

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