

Table S1 : *Bacillus subtilis* PTA-271 encoding genes for motility, adhesion and plant root colonizing capacity

Locus tag ID	Gene	Function
Motility (swarming), biofilm and root colonization		
S19-40_00277	<i>ylxH</i>	Flagellum site-determining protein
S19-40_00278	<i>flhF</i>	Flagellar biosynthesis protein
S19-40_00279	<i>flhA</i>	Flagellar biosynthesis protein
S19-40_00280	<i>flhB</i>	Flagellar biosynthetic protein
S19-40_00283	<i>fliP</i>	Flagellar biosynthetic protein
S19-40_00286	<i>fliN</i>	Flagellar motor switch protein
S19-40_00287	<i>fliM</i>	Flagellar motor switch protein
S19-40_00289	<i>flgG</i>	Flagellar basal-body rod protein
S19-40_00293	<i>fliJ</i>	Flagellar protein
S19-40_00296	<i>fliG</i>	Flagellar motor switch protein
S19-40_00297	<i>fliF</i>	Flagellar M-ring protein
S19-40_00298	<i>fliE</i>	Flagellar hook-basal body complex protein
S19-40_00299	<i>flgC</i>	Flagellar basal-body rod protein
S19-40_00300	<i>flgB</i>	Flagellar basal body rod protein
S19-40_00290	<i>flgD</i>	Basal-body rod modification protein
S19-40_00310	<i>flhB</i>	Flagellar biosynthetic protein
S19-40_00890	<i>flgK</i>	Flagellar hook-associated protein 1
S19-40_00891	<i>flaB3</i>	Flagellar filament 31 kDa core protein
S19-40_00893	<i>fliW</i>	Flagellar assembly factor
S19-40_00895	<i>hag</i>	Flagellin
S19-40_00897	<i>fliD</i>	B-type flagellar hook-associated protein 2
S19-40_00898	<i>fliS</i>	Flagellar protein
S19-40_00557	<i>motB</i>	Motility protein B
S19-40_02745	<i>cheR</i>	Chemotaxis protein methyltransferase
S19-40_00115	<i>cheY</i>	Chemotaxis protein
S19-40_00272	<i>cheD</i>	Chemoreceptor glutamine deamidase
S19-40_00273	<i>cheC</i>	CheY-P phosphatase
S19-40_00274	<i>cheW</i>	Chemotaxis protein
S19-40_00275	<i>cheA</i>	Chemotaxis protein
S19-40_00276	<i>cheB</i>	Chemotaxis response regulator protein-glutamate methyltransferase
S19-40_00285	<i>cheY</i>	Chemotaxis protein
S19-40_00519	<i>cheV</i>	Chemotaxis protein
S19-40_02745	<i>cheR</i>	Chemotaxis protein methyltransferase
S19-40_03165	<i>swrC</i>	Swarming motility protein
S19-40_00882	<i>spo0A</i>	Response regulator receiver domain protein