

Supplementary Table 6: Islands of *Pba1043* CDS predicted by aCGH to have be *Pba*-specific (PbaI), or to have no orthologues in either *Pcc193* (PccI) or *Dda3937* (DdaI). These islands additionally contain a statistical abundance of CDS that have putative orthologues either only in plant-associated bacteria (PAB), or to share greater sequence identity with their orthologue(s) in PAB than with their orthologues in animal-associated enterobacteria (AAE).

Locus tags	Pba-specific	Absent in Pcc193	Absent in Dda3937	Putative phenotype
<i>ECA0600-ECA0610</i>	PbaI7	PccI7	-	<i>cfa</i> biosynthesis
<i>ECA0849-ECA0852</i>	-	-	DdaI36	sugar ABC transport
<i>ECA1477-ECA1481</i>	PbaI14	PccI15	DdaI57	Hypothetical
<i>ECA1584-ECA1598</i>	PbaI16	PccI17	-	Hypothetical
<i>ECA2208-ECA2216</i>	-	-	DdaI85	oxidoreductase, <i>ogt</i>
<i>ECA2232-ECA2234</i>	PbaI26	-	-	Hypothetical
<i>ECA2381-ECA2383</i>	-	-	DdaI93	putative isochorismatase
<i>ECA2933-ECA2936</i>	PbaI39	PccI42	DdaI110	<i>nifQ</i>
<i>ECA2951</i>	PbaI40	-	-	Transporter
<i>ECA2951-ECA2957</i>	-	PccI43	-	Nitrogen fixation
<i>ECA3202-ECA3207</i>	-	-	DdaI120	Hypothetical
<i>ECA3556-ECA3557</i>	-	-	DdaI131	Metal hydrolase
<i>ECA4052-ECA4053</i>	-	-	DdaI148	Hypothetical
<i>ECA4219-ECA4220</i>	-	-	DdaI154	Hypothetical
<i>ECA4481-ECA4493</i>	-	PccI59	-	allphanate hydrolase