

		Mannose	Arabinose			Rhamnose			Xylose		PL1
		<i>manA</i>	<i>araA</i>	<i>araB</i>	<i>araD</i>	<i>rhaA</i>	<i>rhaB</i>	<i>rhaD</i>	<i>xylA</i>	<i>xylB</i>	
<i>St. appositus</i>	App2-1										
	App4-10										
	App6-5										
<i>Th. pensylvanicus</i>	HK2										
	HK7										
	WF3-4										
<i>Th. fervidus</i>	Fer1-1										
	Fer2-1										
	Fer4-1										
<i>Cu. griseocollis</i>	Gris1-4										
	Gris3-2										
<i>Pr. bifarius</i>	Bif1-4										
<i>Pr. bimaculatus</i>	Bim1-2										
	Bim3-2										
<i>Pr. impatiens</i>	Choc3-5										
	Choc4-2										
	Choc5-1										
	Choc6-1										
	GillExp13										
<i>Pr. vagans</i>	Imp1-1										
	Imp1-6										
	wkB18										
<i>Bi. nevadensis</i>	Nev3-1										
	Nev5-1										
	Nev6-6										
<i>Bo. occidentalis</i>	Occ3-1										
	Occ4-3										

Fig. S3 The presence of the genes related to the metabolism of the four sugars and the pectate lyase gene (PL1) in *G. apicola* strains isolated from bumble bee guts. Colored boxes indicate gene presence, and white boxes indicate gene absence.