

Table S1 PCR information for the amplification and cloning of *GLPGM1*, *GLPGM2* and *GLPGM3*

Primers	Sequence (5'-3')	restriction endonuclease	Tm (°C)	PCR products
Glp _{gm1} -ORF5'	CGC <u>GAATTC</u> ATGGCTTCGACTTTCAAGGTC	<i>EcoR</i> I	62	1758bp
Glp _{gm1} -ORF3'	CGC <u>AAGCTT</u> TTAAGTGATAACTGTGGGCTTC	<i>Hind</i> III		
Glp _{gm2} -ORF5'	CGC <u>GAGCTC</u> ATGAGCCAGATCCCCCAATC	<i>Sac</i> I	58	1743bp
Glp _{gm2} -ORF3'	CGC <u>CTCGAG</u> TTAAGTAATCACTGTGGGAGC	<i>Xho</i> I		
Glp _{gm3} -ORF5'	CGC <u>GAATTC</u> ATGTACTCCTTCATCACCTCC	<i>EcoR</i> I	65	1719bp
Glp _{gm3} -ORF3'	CGC <u>AAGCTT</u> TTAATTCTTCTGAATGTATTGCTGC	<i>Hind</i> III		

The underline represents restriction endonuclease sequence.