

P1-Glyma.13g249600.txt	PGLYMAGMATFVVIVVYVSTYGHVEKLAREIEKGAASVEGVEAKLWQVPETLPEEVLAKLGAPFKSDVPIITPNELPEADGFLFGFFTRFGSMAAQFKAFF	100
P2-Glyma.13g249600.txt	PGLYMAGMATFVVIVVYVSTYGHVEKLAREIEKGAASVEGVEAKLWQVPETLPEEVLAKLGAPFKSDVPIITPNELPEADGFLFGFFTRFGSMAAQFKAFF	100
Consensus	pqlymagmatkvyivvyystyghveklareiekgaasvegveaklwqvpetylpeevlaklgappksdvpittpnelpeadgflfgfptrfgsmaaqaqfkaff	
P1-Glyma.13g249600.txt	DATGGLWRTQPLAGKAAGFFVSTSSQGGGCETIPLTSLITQLVHHGLIFVPIGYTFGGGMFELEKVKGGSPYVAGTYACDGSRCPSELELAQAFHQGKYFA	200
P2-Glyma.13g249600.txt	DATGGLWRTQPLAGKAAGFFVSTSSQGGGCETIPLTSLITQLVHHGLIFVPIGYTFGGGMFELEKVKGGSPYVAGTYACDGSRCPSELELAQAFHQGKYFA	200
Consensus	datgglwrtqalagkaagffvstssqgggqettpltslitqlvhhgllfvpiqytfgggmfelekvkggspygagtyacdgsrqpselelaqafhqgkyfa	
P1-Glyma.13g249600.txt	GIARKKLKGS	209
P2-Glyma.13g249600.txt	GIARKKLKGS	209
Consensus	giakklkgs	

Fig. S4 Multiple sequence alignment depicting the amino acid sequence conservation of P1 (CSSL3228) *Glyma.13g249600* gene with P2 (NN1138-2) gene (*Glyma.13g249600*) in soybean.