

Table S2. Accession numbers for GOBPs used in the phylogenetic analysis.

Species	Gene Name	Acc. number
<i>Amyelois transitella</i>	AtraGOBP1	ACX47893.1
	AtraGOBP2	ACX47894.1
<i>Antheraea pernyi</i>	AperGOBP1	CAA71866.1
	AperGOBP2	CAA65575.1
<i>Bombyx mori</i>	BmorGOBP1	NP_001037496.1
	BmorGOBP2	NP_001037498.1
<i>Chilo suppressalis</i>	CsupGOBP1	ACJ07129.1
	CsupGOBP2	ACJ07120.1
<i>Ectropis obliqua</i>	EoblGOBP1	ACN29680.1
	EoblGOBP2	ACN29681.1
<i>Epiphyas postvittana</i>	EposGOBP1	Q95VP3.1
	EposGOBP2	AAL05869.1
<i>Grapholita molesta</i>	GmolGOBP1	AFH02841.1
	GmolGOBP2	AFH02842.1
<i>Helicoverpa armigera</i>	HarmGOBP1	XP_021192665.1
	HarmGOBP2	CAC08211.1
<i>Helicoverpa assulta</i>	HassGOBP1	AAW65076.1
	HassGOBP2	AAQ54909.1
<i>Mythimna separata</i>	MsepGOBP1	AWT22240.1
	MsepGOBP2	AWT22242.1
<i>Operophtera brumata</i>	ObruGOBP1	KOB67878.1
	ObruGOBP2	KOB70852.1
<i>Ostrinia nubilalis</i>	OnubGOBP1	BBB15959.1
	OnubGOBP2	BBB15969.1
<i>Spodoptera exigua</i>	SexiGOBP1	ACY78412.1
	SexiGOBP2	CAC12832.1
<i>Spodoptera litura</i>	SlitGOBP1	ABM54823.1
	SlitGOBP2	ABM54824.1
<i>Streltziella insularis</i>	SinsGOBP1	QLI62030.1
	SinsGOBP2	QLI62031.1