

Supplementary Table 4. Functional divergence between clades of the *TaABC1K* gene family.

Group 1	Group 2	Type 1		Type 2		
		$\theta I \pm \text{s.e.}$	LRT	Sites with $Q_k > 0.8$	$\theta II \pm \text{s.e.}$	Sites with $Q_k > 0.8$
Clade I	Clade II	0.184±0.139	3.835	None	-0.355±1.327	None
Clade I	Clade III	0.399±0.112	11.143	331V, 365Y, 336Q, 331G	-0.009±0.706	361Q, 331G, 299F, 296A, 370A, 374P, 354G, 320S, 355I, 333K, 364E, 360R, 321A, 280A, 357C, 284F, 311V, 351V, 285Q, 332V, 273V, 313D, 281R, 291Q, 339A, 310L, 317D, 338A, 348L, 365Y, 282R
Clade II	Clade III	0.070±0.118	4.184	331V	-0.731±0.584	None

Note: θI and θII , the coefficients of type I and type II functional divergence; LRT, likelihood ratio statistic; Q_k , posterior probability