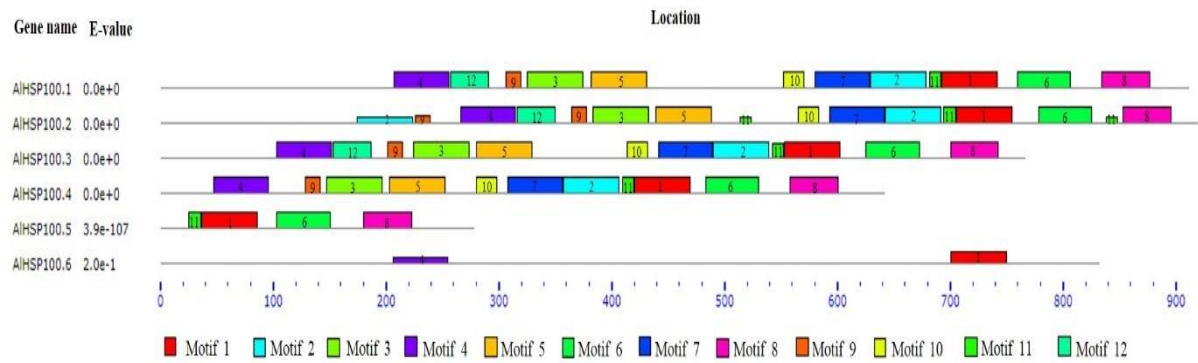


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Supplementary Materials

Supplementary Figure 1. Distribution of conserved motifs of HSP100 in *A. littoralis*. Putative motifs are represented by a number in a colored box and motif size is presented at the bottom of the image. E-value and AIHSP100 members were shown on the left side.



Supplementary Table 1. The motif sequence, length and annotation in AIHSP100.

Motif	Width	Best possible match	P-value
1	50	PYSVVLFEIEKAHPDVFNILLQLDDGRLTDSQGRTVDFKNTIIIMTSN	2.1e-08
2	50	TGVGKTELAKALAAYYFGSEEMIRLDMSEYMERHSVSKLIGAPPGYVGY	1.9e-07
3	50	MDAGNLLKPALARGELRCIGATTLDEHRKHIEKDPALERRFPVYVDEPS	9.4e-10
4	49	GKLDPVIGRDDEIERVVQILCRRTKNNPILJGEPGVGKTAIAEGLAQRI	1.2e-06
5	50	ILRGLREKYEIHHGVRYTDDAJVAAAKLSDRYISGRFLPKAIDLIDEAG	2.8e-07
6	48	SSYEAIKSLVIEEVKSYFRPEFLNRJDEMIVFRPLEREQJKAIADIQL	9.4e-08
7	49	KLLYLEDELKRKRVIGQDEAVVAIARAIAIKRSRVGLSDPNRPIASFLFLGP	9.4e-07
8	43	GYDPSYGARPLKRAIQKLVEDKJSEMILRGEVKDDDSVIVDAD	7.6e-07
9	14	ILFIDEVHTLIGAG	2.2e-06
10	19	IVSQDDIAQIVSRWTGIPV	8.4e-07
11	11	GGQLTEAVRRR	9.3e-08
12	34	NGDVPZALVGKRIISLDMGLLIAGAKYRGEFEDR	1.7e-06