

Table 1 Suppl. The homology results of ESTs from heat stress treated cotton

Clone	Accession No.	Fragment length	Homologous sequence	E-value	Max. identity
GhHS21	JK749841	194 bp	<i>G. hirsutum</i> clone MX171G20-jnm	7e-78	98%
GhHS23	JK749842	320 bp	<i>G. hirsutum</i> chitinase-like protein (CTL2)	9e-137	96%
GhHS26	JK749843	553 bp	<i>G. hirsutum</i> thiazole biosynthetic enzyme (TH1)	0.0	99%
GhHS29	JK749844	369 bp	<i>G. hirsutum</i> cDNA clone (ES806029) homologue to a predicted protein	1e-102	99%
GhHS30	JK749845	336 bp	<i>G. raimondii</i> cDNA clone (CO130944) weakly homologue to MAPK9-like	2e-150	97%
GhHS31	JK749846	288 bp	<i>G. raimondii</i> cDNA clone (CO130944) weakly homologue to MAPK9-like	2e-128	97%
GhHS32	JK749847	340 bp	<i>G. hirsutum</i> cDNA clone (ES806029) homologue to a predicted protein	1e-102	99%
GhHS36	JK749848	215 bp	<i>G. hirsutum</i> cDNA clone (DW505766) homologue to <i>G. herbaceum</i> SSR marker	2e-92	99%
GhHS83	JK749849	208 bp	<i>G. hirsutum</i> chloroplast complete genome, photosystem I P700 apoprotein A-ribosomal protein S14 (psaB-rps14)	2e-92	99%
GhHS93	JK749850	459 bp	<i>G. barbadense</i> MRP-like ABC transporter protein (ABCC3)	3e-151	94%
GhHS94	JK749851	458 bp	<i>G. barbadense</i> MRP-like ABC transporter protein (ABCC3)	3e-150	94%
GhHS96	JK749852	335 bp	<i>G. arboreum</i> cDNA clone (BM359757.1) homologue to CIPK gene	4e-135	99%
GhHS97	JK749853	389 bp	<i>G. barbadense</i> IAA-Ala hydrolase (IAR3)	9e-119	100%
GhHS100	JK749854	644 bp	<i>Ricinus communis</i> protein phosphatase 2C (PP2C)	7e-91	86%
GhHS101	JK749855	500 bp	<i>Vitis vinifera</i> serine/threonine-protein kinase HT1-like	6e-27	71%
GhHS106	JK749856	391 bp	<i>Vitis vinifera</i> N-alpha-acetyltransferase 38, NatC auxiliary subunit-like (LSm8)	3e-55	84%
GhHS110	JK749857	337 bp	No homology		
GhHS113	JK749858	198 bp	<i>G. raimondii</i> cDNA clone (CO107708), homologue to KAS gene	7e-84	98%
GhHS126	JK749859	472 bp	<i>G. hirsutum</i> cDNA clone (HO097843), homologue to an predicted protein	0.0	100%
GhHS127	JK749860	461 bp	<i>Populus trichocarpa</i> folylpolyglutamate synthase (FPGS3)	5e-91	83%
GhHS128	JK749861	427 bp	<i>G. hirsutum</i> cDNA clone (HO091180), homologue to an uncharacterized protein	0.0	99%
GhHS129	JK749862	405 bp	<i>Glycine max</i> 40S ribosomal protein S14 (RPS14)	1e-59	87%
GhHS149	JK749865	232 bp	<i>G. hirsutum</i> cDNA clone (HO103698), homologue to an uncharacterized protein	4e-101	99%
GhHS150	JK749863	223 bp	<i>G. hirsutum</i> RNA helicase-like protein	1e-101	100%
GhHS151	JK749864	83 bp	<i>G. hirsutum</i> cDNA clone (EL903689)	4e-11	94%