

**Supplementary Fig. 7.** Full-length peptide sequences of LIM gene families of *Sorghum bicolor*

(Doc).

>SbLIM1

MFSGTQQKCKVCTKTVPMDQLSTDGVAFHRSCFKCQHCKSTLSLSNYSSFEGVPYCK  
AHFEQLFKETGSYNKSFQSQSPAKITPEKLAPELTRSPSKAARMFSGTQDKCATCGKTAY  
PLEKVTVEEKAYHKSCFKCSHGGAITPSNYAALEGILYCKHHFSQLFKEKGSYNHLIKC  
ASVKRAAEAQPEQPASDSS

>SbLIM2

MSFTGTQDKCKTCDKTVHFIDLLTADGVSYHKTCFKCSHCKGTLSSISSYSSMDGVLYCK  
THFEQLFKETGTFSKKFQGGASSTKTDQAKAPSKLSSAFSGTQDKCAACQKTVYPLEKM  
TLEGESYHKSCFKCSHGGAITPSNYAALEGILYCKHHFSQLFKEKGSYNHLIQTATK  
NEAAEAPEAPADAGAAEPEAA

>SbLIM3

MSFTGTQDKCTACDKTVHFIDLLTADGVYIYHKTCFKCSHCKGILSMCSYSSMDGVLYCK  
THFEQLFKETGFSKFTPGCKSDKGELARAPSKLSSAFSGTQDKCAACQKTVYPLEKLT  
LEGEAYHKSCFKCSHGGAITPSNYAALEGILYCKHHFSQLFMEKGSYNHMKKKSTSQE  
VLPDLAAEEQPPQPAPEDEKGEDN

>SbLIM4

MATSFQGTCTACDKTVYLVDKLTADNRIYHKACFRCHHCKGTLKLANYNFSFEGVL  
YCRPHFDQLFKRTGSLDKSFEGTPKVVKPERNVGNENAVKVSSAFAGTREKCVGCSKT  
VYPIERVTVNNTMYHKSCFKCCHGGCTISPSNYIAHEGKLYCKHHHIQLIKEKGNFSQLE  
NDHEKTSQAGSLEDEEY

>SbLIM5

MSGAWGGTTQKCASCGRTVYPVEELAADGRVYHRPCFRCHHCKSTLQFSNYSSVEGV  
LYCKPHYDQILKSTGSLEKSFEGVARSAKSEKSNHGKGGQSSRFSNMVGTQEKCVVCN  
KTVYPLEKVALNGNSYHKSCFRCTHGGCTLSPSNHITHEGKLYCKTHHSQLFMVKGNFS  
QFEDNSGNAKVASEKQPETEEATKNPNQGDEVTQKPVENEPIDEKTSKNDVAAEKQLQ  
SSVDVTKPSESTMAENERGTESESKSNVNNKPSSESSVEKPLQNSVVDVKPSGNSAAMR  
KPWQRSLQTDKPFLSSTSTVKPSPSSDATEKPSSSNGVDMRQPESSTLVKKPGQQNVPT  
NPPQIVLPSDKPSATSVDDAKPSESSKVVKPWQRNMAAEKQLQNSAPTEKSHKSVAT  
DKPSPTTDMKSLDNTTEVKSPWGRRMFNNKSLKSTVGTESKSSATSVVDVRPGETSTVAP  
VPQQQTENVEKPSDTSADDAKSADDVKSADDVKSADDVLLVSPDDTKSADDTKTT  
DGVKPSSETTAAVVRKSWQRNIDTGKQPLTTAVDPKTTEASGTVKRLWQRSAATEKLSQ  
SGTAVVKPLQSSVAVSKPFQSNVAVKKTWQRSVTPENQRESNMSSNKPLASKVVVESL  
VQSNTVEKMFQSNVPTTEEPQKVIVATENQSQTIKVTKKSNDTSMKLSVTSETTKVPLA  
ATALQSDVSTEKPSQTDMPITPSQIPEPTEKPSSEAFNAEKLSNVDTEKPLQSMITEK  
VESVAATLKPSQSDTAPQEILERNMDTEKILQSAMA VEKPPPTNLITEKPSIKDASEEPVQ

TNEQSEQPLKTEEVEKPHQSEKIAAETKGSEVSIENMLELESNATKLNKDHSEPEGLSSG  
TNPPDFQSNPNAGQQLESKGIVAEKEADNIMEAKNDVAEHSSSEQHVAPAEVPKEQPS  
EHQKDADMQLLLEPQNEHSGNPLEPVSDTAAKDSSEPKSDIATEKTAESQNNADQSVE  
QSPEPQSDKSTEKPEVHQSSSTPSDELSRLQSDAGADKLSVPSSDPESNASVSKPSESQTDV  
ITMEAPELQIDALPKATDQPVKPQDDASAKKPMGTESDAACDKPSESSSDTETLPVCH  
QNSSITDEPVQGDISYETPHQRSAPIETTPGSDTVVEDCIHHEDTSSKPSEENKAIEEPEE  
VSAKLPDDHVTSEKSSEEDKENAEPVNDNAPLGKPLEANEESKSSGDTVTPKPLEEDE  
TSAEPSESDASFGKLEADEVSANPSEDIATPEKPLEEGVASVEPSEDNSVLDKPLKEEEV  
TAKPSKDVVTPKPLEEGSTTAERLEDNAAIGEAKEEDEVIPKPESVALEKSLEGSEASV  
EPLDNAALEKPSDEDEANAKSSEDSVAVEKPQQEEDNVATEKPQQEEDNGVKALEED  
VSPEKSANGKPLEEEDPVHEKLADADTVVEPSSQDDTATEKPSATTDTAETA