Table S1: Protein sequence of GbYTHs.

Gene Nam	Locus ID	Protein sequence
GbDF1	Gb_17619	MLQMQHNSLLHHNMVLVKLQMALLMHLEQDLQPIELALLSCKTW
GbDF2	Gb_38284	MPYGPYSPAGTPLPTIRADGQLFGTQQYPYPAPFYQQPVPPGVQYI
GbDF3	Gb_06865	MAAVVPPGEETAELLKKLSIDPQQKPAEASEGTHQPQAIQDGVGD
GbDF4	Gb_34757	MASTADTVNQICEKVEALEINPRPSSVGQEKKSSLEAKQAVKCKD
GbDF5	Gb_16810	MHMEGYDLYSDGYQQAALFNGAQYHALGSHNEVTPVFYQPMDA
GbDF6	Gb_40865	MAVAVQPTKQVEELLKSMEIGAESKSTYACEMPAIDRNNSVASGS
GbDF7	Gb_19406	MAVAVPPKQEITELMHNLKLDDQPKSNDVRKIPAKDGNTFEAKAG
GbDF8	Gb_40340	MVVAAELEGLNRGFYCGDFWCNPMESEPVAAERQPEKQAEEMLQ
GbDC1	Gb_34616	MDDVEGALSFDFEGGLETGATAGGPSNLGPEATSNVQTPAGPLTT
GbDC2	Gb_31165	MVFPAVCSSMDFGLMGCAYVSQRCPLTSASLGSVSLLPSKSFCTLM

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GSEGTDTTSPGPSTDEISTPGAQDYVVDPSLLYAPNGYAQQAYYYGCYDGAIGEWEEYPC
GRTELNHSSPSREDKETTTRGLPSASQNVAGIAGISVAFASYIAPNSHPATQVYSYGGNDA
GCSQAVYSSTRTPIPAFSTINYFYGAQLMHPDCTYLQAASPECKYWSSAVDVPAISRFECI
VLPSSEDTNTMDNEGEQDLLVEQGLYYPASNYYGYYCTGYEPPGVEWDANGRFVGVDC
GVLPSSDAAAAKENKEEVDTMVDQGLYYPPNNYYGVYYPGHETHGKEWDDHFVGVDA
QNLKIDSTAKPPSVDASEAPAKEGSSSDATSSVTSSLGDATSTKESEVEQEDMVEQGAYYI
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.FALDSDGYPPSAFVNDFHYHFPGYPNEIAPLFYPPVDGGYSPQTLYSSTGTLIPAFGTDNI
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.REMQYPGIRAENGSLVYYTSGYGYPQHAYNPYNPYIPGALVGADGQFLGHQPYYTGPA
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