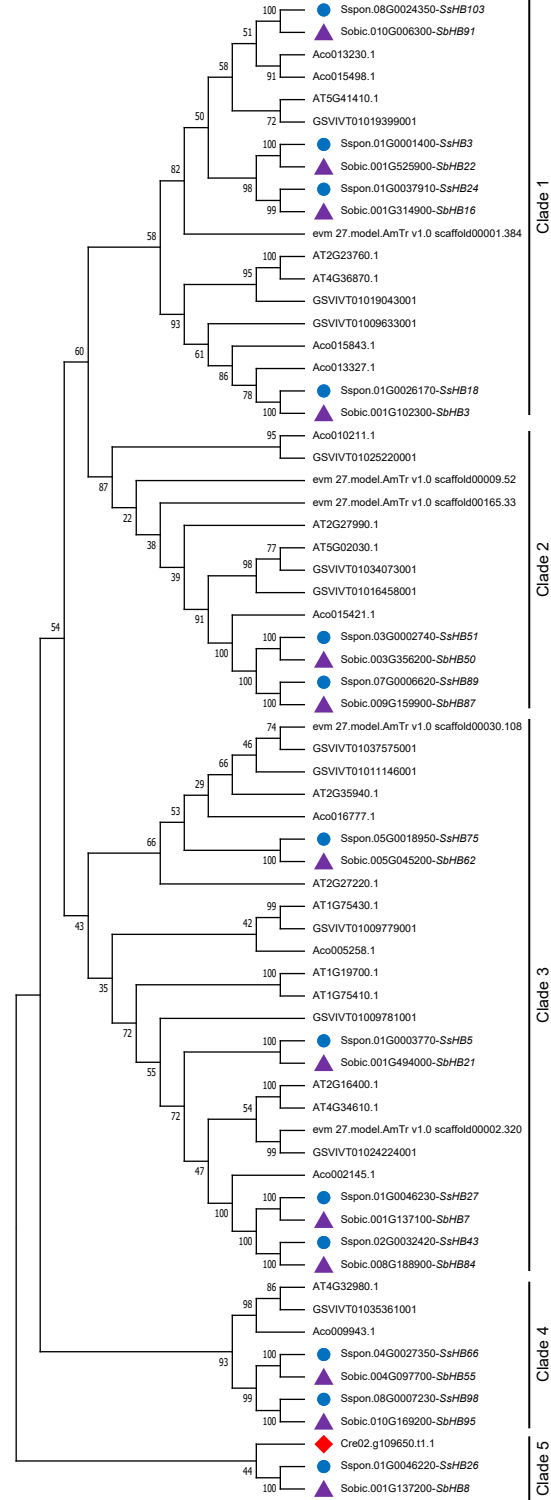
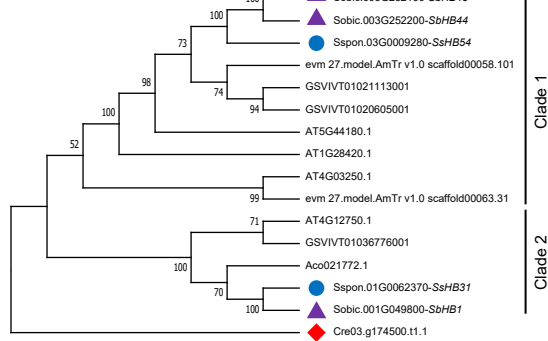
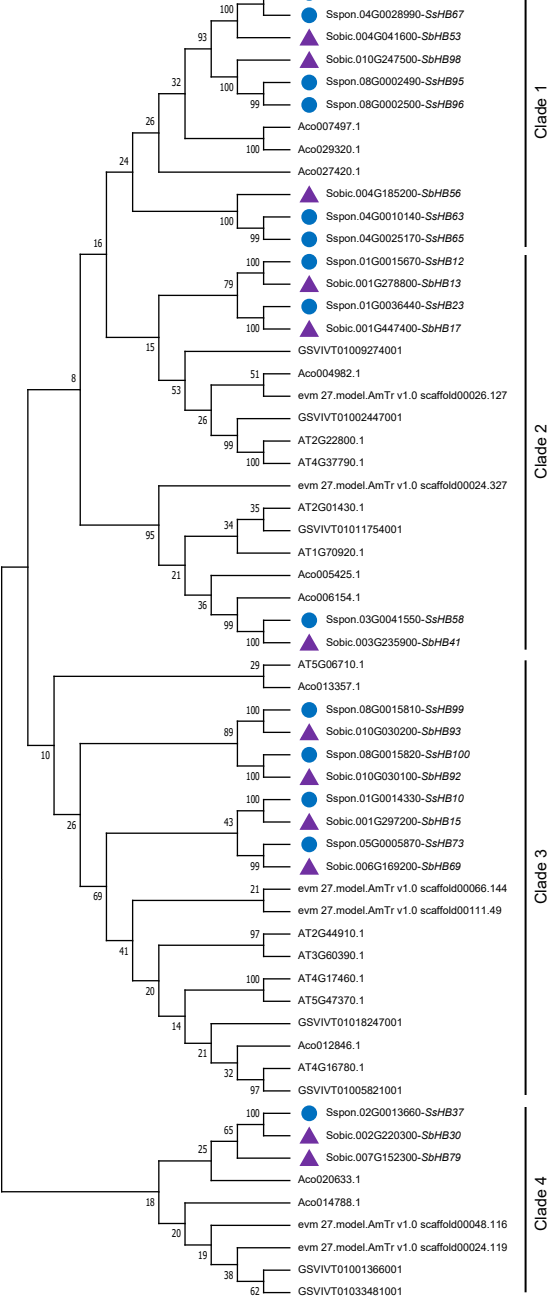
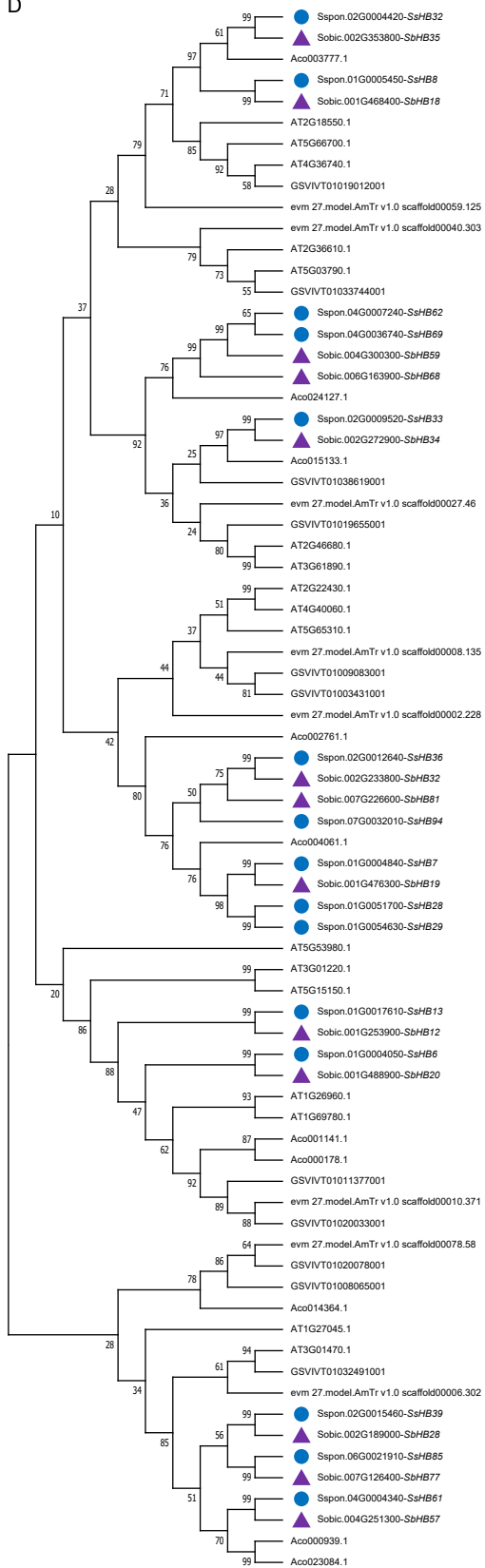


A**B****C**

D



E

Clade 1

Clade 2

Clade 3

Clade 4

Clade 1

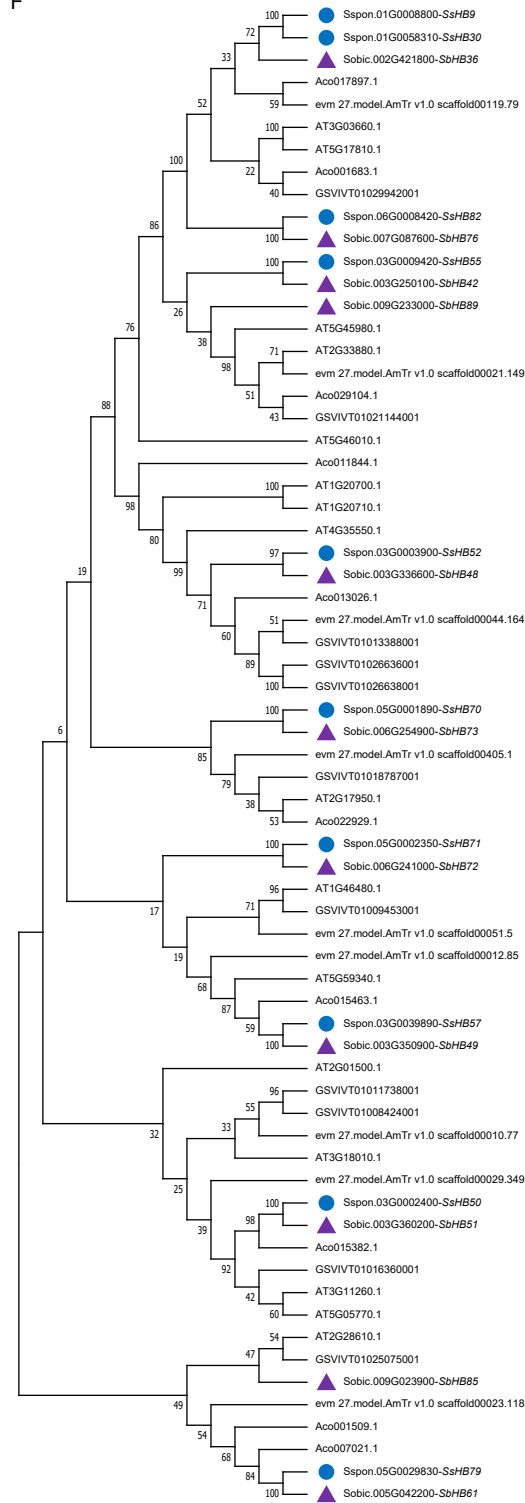
Clade 2

Clade 3

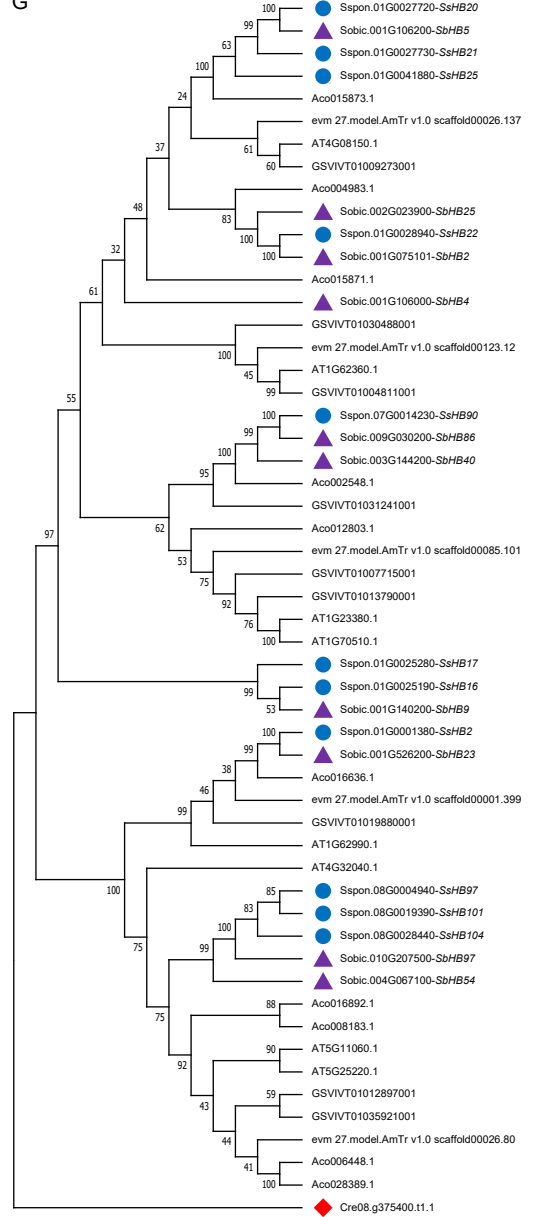
Clade 4

● *Saccharum spontaneum* ▲ *Sorghum bicolor* ◆ *Chlamydomonas reinhardtii*

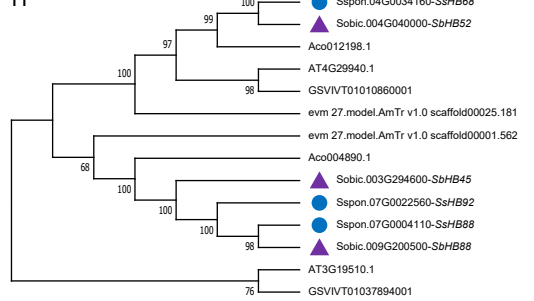
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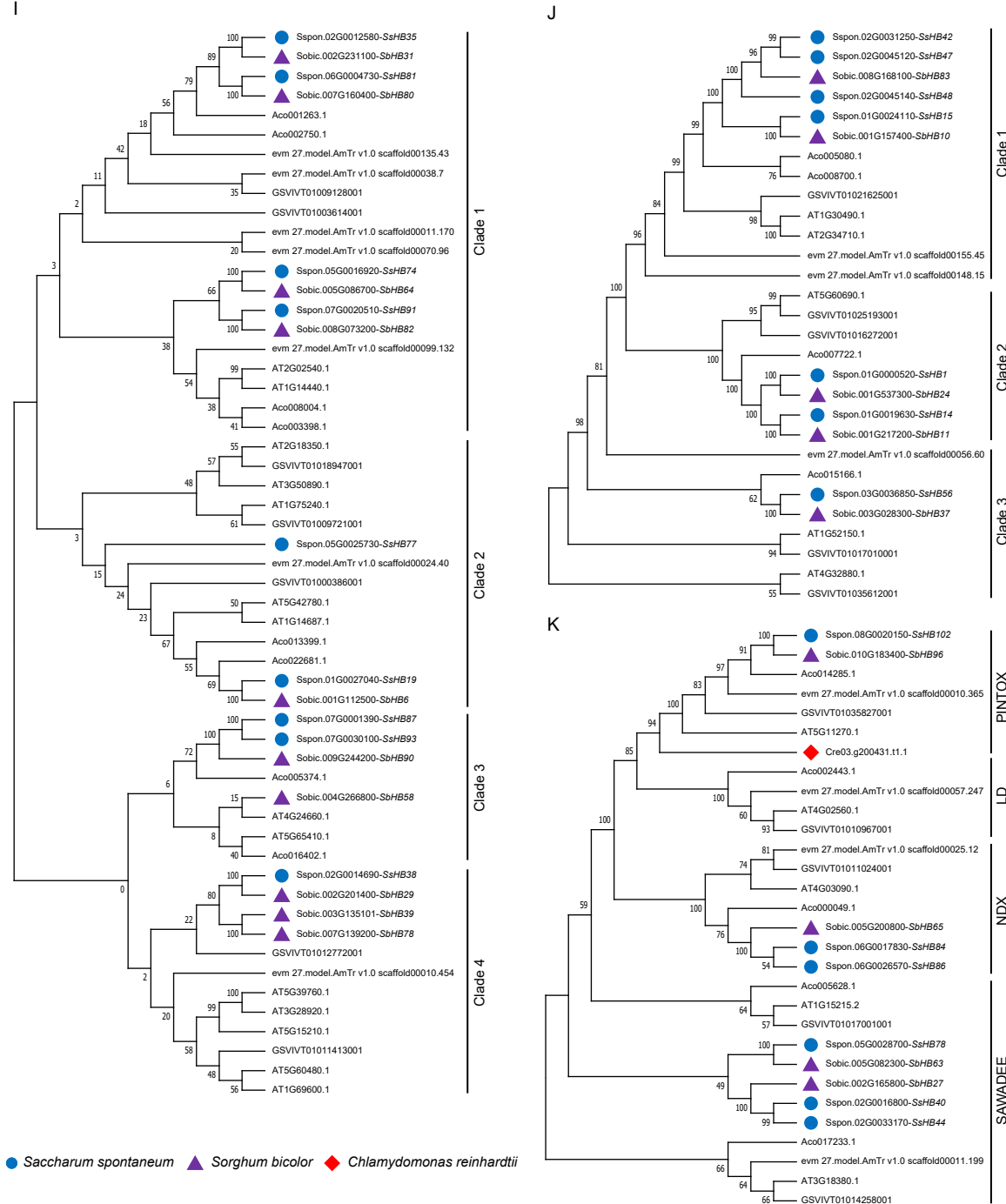
G



H



● *Saccharum spontaneum* ▲ *Sorghum bicolor* ◆ *Chlamydomonas reinhardtii*



Supplementary Figure S2 Phylogenetic tree of HB subfamilies among representative monocotyledons and dicotyledons. The phylogenetic trees were built with the NJ algorithm for BEL (A), DDT (B), HD-ZIP II (C), HD-ZIP I (D), HD-ZIP IV (E), WOX (F), KNOX (G), PHD (H), PLINC (I), HD-ZIP III (J), LD, SAWADEE, NDX and PINTOX (K)