Alternative splicing of flowering time gene FT is associated with halving of time to flowering in coconut

Wei Xia²*, Rui Liu¹*, Jun Zhang¹*, Annaliese S. Mason³, Zhiying Li¹, Shufang Gong¹, Yazhu Zhong¹, Yajing Dou¹, Xiwei Sun¹, Haikuo Fan¹&, Yong Xiao¹&

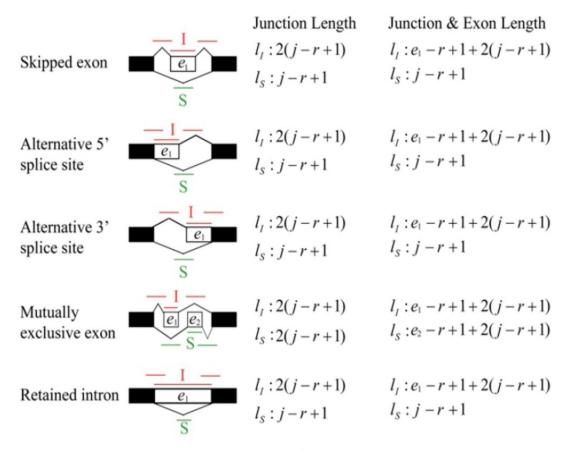
¹ Coconut Research Institute, Chinese Academy of Tropical Agricultural sciences, Wenchang, P.R.

China

Liebig University Giessen, Heinrich-Buff-Ring 26-32, 35392i Giessen, Germany

² College of tropical crops, Hainan University, Haikou, P.R. China

³ Department of Plant Breeding, IFZ Research Centre for Biosystems, Land Use and Nutrition, Justus



I : reads of the inclusion isoform S: reads of the skipping isoform

j: junction length e_1 , e_2 : exon length r: read length

 l_1 : effective length of the inclusion isoform

 l_s : effective length of the skipping isoform

Supplementary figure 1 Relative abundance calculation of different isoforms produced by alternative splicing