



**Figure S13.** The content of TE in the corresponding category of plastome transferred to nuclear chromosomes both in *O. sativa* and *A. thaliana*. (a). The length proportion of TEs of plastome transferred to nuclear chromosomes in the 80-95% identity category in *O. sativa*. (b). The number of TEs of plastome transferred to nuclear chromosomes in the 80-95% identity category in *O. sativa*. (c). The length proportion of TEs of plastome transferred to nuclear chromosomes in the 95% and

higher identity category in *O. sativa*. (d). The number of TEs of plastome transferred to nuclear chromosomes in the 95% and higher identity category in *O. sativa*. (e). The length proportion of TEs of plastome transferred to nuclear chromosomes in the 80-95% identity category in *A. thaliana*. (f). The number of TEs of plastome transferred to nuclear chromosomes in the 80-95% identity category in *A. thaliana*. (g). The length proportion of TEs of plastome transferred to nuclear chromosomes in the 95% and higher identity category in *A. thaliana*. (h). The number of TEs of plastome transferred to nuclear chromosomes in the 95% and higher identity category in *A. thaliana*.