



**Additional file 4: PnLOXA localization demonstrated by transient expression of YFP fusion constructs in tobacco leaves.** Tobacco leaves were infiltrated with *Agrobacterium tumefaciens* carrying the two constructs pGreen[PnLOXatransitpeptide1-47-YFP] (left panel) and pGreen[PnLOXatransitpeptidePLAT1-220-YFP] (right panel). Chlorophyll and YFP fluorescence were recorded using Leica SP II confocal microscope. Reference bar is 10 micron.