*Cayla et al. Supporting tables*

**S2\_Table: Transgenic lines expressing fluorescent proteins used for crosses**

**Gene accession numbers:** The AGI numbers of the genes used in this work are for *PP2-A1*: At4g19840; *PP2-A2*: At4g19850, *SEOR1*: At3g01680; *SEOR2*: At3g01670; *SUC2*: At1g22710, *RTM1*: At1g05760; *RTM2*: At5g04890; *Lti6B*: At3g05890.

|  |  |  |  |
| --- | --- | --- | --- |
|  **Line** | **Marker** | **Description** | **Reference** |
| *p35S:ER:YFP* | Endoplasmic reticulum | Signal peptide of AtWAK2 and ER retention signal HDEL | [1] |
| *p35S:RbcS:YFP* | Chloroplast | First 79 aa of the tobacco small unit of RuBisCO | [1] |
| *p35S:GFP:MBD* | Cortical microtubule | Microtubule binding domain | [2] |
| *p35S:fABD2:GFP* | Actin filament | Actin binding domain fABD2  | [3] |
| *p35S:γTIP:YFP* | Tonoplast | C-terminus of the tonoplast γTIP | [1] |
| *p35S:H2B:RFP* | Nucleus | Human histone H2B | [4]  |
| *pSUC2:mcitrine:RCI2A*  | Membranes | RCI2A full-length (low-temperature-inducible protein a) | [5] |
| *p35S:GFP:LTI6b* | Plasma membrane | LTI6b protein (low temperature-inducible protein b), also known as RCI2bRCI2B | [6] |
| *p35S:COX4:YFP* | Mitochondria | First 29 aa of yeast ScCOX4 | [1] |
| *pSEOR1:SEOR1:GFP* | P-protein | SEOR1, full-length | [7] |
| *pSEOR2:SEOR2:GFP* | P-protein | SEOR2, full-length | [7] |
| *pRTM1:GFP:RTM1* | - | RTM1, full-length | [8] |
| *pRTM2:RTM2:GFP* | - | RTM2, full-length | [8] |

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