



G

	Col-0 WT	YFP-PTS1	<i>pex14</i>	<i>PEX11a</i>	<i>PEX11b</i>	<i>PEX11c</i>	<i>PEX11d</i>	<i>PEX11e</i>
no sucrose	12.76±2.64	12.88±1.96	3.46±1.01	18±1.76	15.64±2.68	15.24±3.28	16.46±1.82	15.01±3.5
1% sucrose	13.12±2.43	14.52±2.05	11.75±2.05	13.68±2.14	14.74±1.45	13.93±1.52	16.09±1.74	14.61±1.46

Supplemental Figure 3. Peroxisome phenotype in $P_{35S}::PEX11$ plants and sugar-dependence assay of $P_{35S}::CFP-PEX11$ seedlings.

(A-F) Confocal micrographs of leaf mesophyll cells were taken from 7-week YFP-SKL plants containing $P_{35S}::PEX11a$ (B), $P_{35S}::PEX11b$ (C), $P_{35S}::PEX11c$ (D), $P_{35S}::PEX11d$ (E), and $P_{35S}::PEX11e$ (F), as compared with the control YFP-SKL plant (A). Bars = 10 μ m.

(G) Hypocotyl lengths of 5-d dark-grown seedlings grown on sugar-free or 1% sucrose medium.