



Fig S3. Relative expression of the homologs of AtSAT1 grown on 1/2 MS medium solid culture plates (containing 1.5% sucrose and 0.8% agar powder, pH 5.9), at 23°C/21°C for day/night with 16L/8D, with an irradiance of 150  $\mu\text{mol m}^{-2}\text{s}^{-1}$  and relative humidity of 60-70%. Transcript levels of *AT4G37850*; *AT2G22750*; *AT2G22760* and *AT2G22770* in *MdSAT1-OE* and Col plants. Error bars represent the standard deviation ( $n \geq 3$ ). Different letters above the bars indicate significantly different values ( $P < 0.05$ ).