Fig S1. Dynamic changes of ProMdSAT1::GUS activity under different phosphate concentrations

ProMdSAT1::GUS seedlings [10 days old after growing on 1/2 MS medium (containing 1.5% sucrose and 0.8% agar powder, pH 5.9)] solid culture plates were watered with ddH$_2$O for 3 days, then treated for 1 h with 0, 1.25, 25, 625, and 1,250 μM K$_2$HPO$_4$, supplemented K$^+$ to 2.5 mM with the corresponding concentration of K$_2$SO$_4$ and pH adjust to 5.9. Plants grow at 23°C/21°C for day/night with 16L/8D, with an irradiance of 150 μmol m$^{-2}$s$^{-1}$ and relative humidity of 60-70%. The GUS staining in ProMdSAT1::GUS transgenic Arabidopsis under different Pi concentrations. The seedlings treated with 1.25 mM K$_2$SO$_4$ as negative control.