



Figure 1-figure supplement 1. Functional complementation and guard cell expression of the LYK5-CERK1-PBL27 receptor complex. Stomatal aperture measurements in transgenic *cerk1/pCERK1::CERK1-eGFP*, *lyk5/pLYK5::LYK5-eGFP* and *pbl27-1/pPBL27::PBL27-eGFP*. Mature leaf discs of six independent transgenic T1 lines were soaked in opening buffer (10mM MES, 50mM KCl, pH 6.15) and kept under light ($100 \mu\text{mol.m}^{-2} \text{s}^{-1}$) for 2 hr. Stomatal aperture was measured 2 hr after treatment with 1mg/ml chitin. Values are mean \pm SD ($n > 50$; two-way ANOVA). Different letters indicate significantly different values at $p < 0.05$. These experiments were repeated three times with similar results.