



**Supplementary Figure 2 Cell wall integrity pathway.** Signaling proteins of the *S. cerevisiae* Cell Wall Integrity (CWI) pathway and their proposed orthologs in the *A. niger* genome. Cell wall stress is detected by the plasma membrane-localized sensor proteins (Wsc proteins). This causes the activation of the small GTPase Rho1p, a step that involves the Rom1/2p GDP/GTP exchange proteins. GTP-bound Rho1p activates the Pkc1-controlled MAP-kinase cascade that is comprised of Bck1p, Mkk1/2p, and Mpk1p. The main target of the CWI pathway is the MADS-box transcription factor Rlm1p that controls the induction of several genes involved in cell wall reinforcement. The consensus sequence for the Rlm1p binding site (RBS; CTA(T/A)4TAG) in the promoter region of cell wall stress-induced genes is conserved between *S. cerevisiae* and *A. niger*.

Map kinase cascade

