



Figure 3 – figure supplement 2: Protein alignment of the core effector Pep1 (Hemetsberger et al, 2015) from different Ustilaginomycetes (A). All characterized regions important for functionality are present in all different sequences. Deletion of the *pep1* gene (UMAG_01987) in *U. maydis* leads to complete loss of virulence, which can be restored by complementing the deletion mutant with the *MbA pep1* gene (Ma1682). Infection of maize leaves was done as described in [3]. Disease symptoms were scored at 12 days post infection in three independent biological replicates. n= number of plants infected