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SUPPLEMENTARY MATERIAL

corresponding to:

A SET/MYND chromatin re-modelling protein regulates *Dictyostelium* prespore patterning

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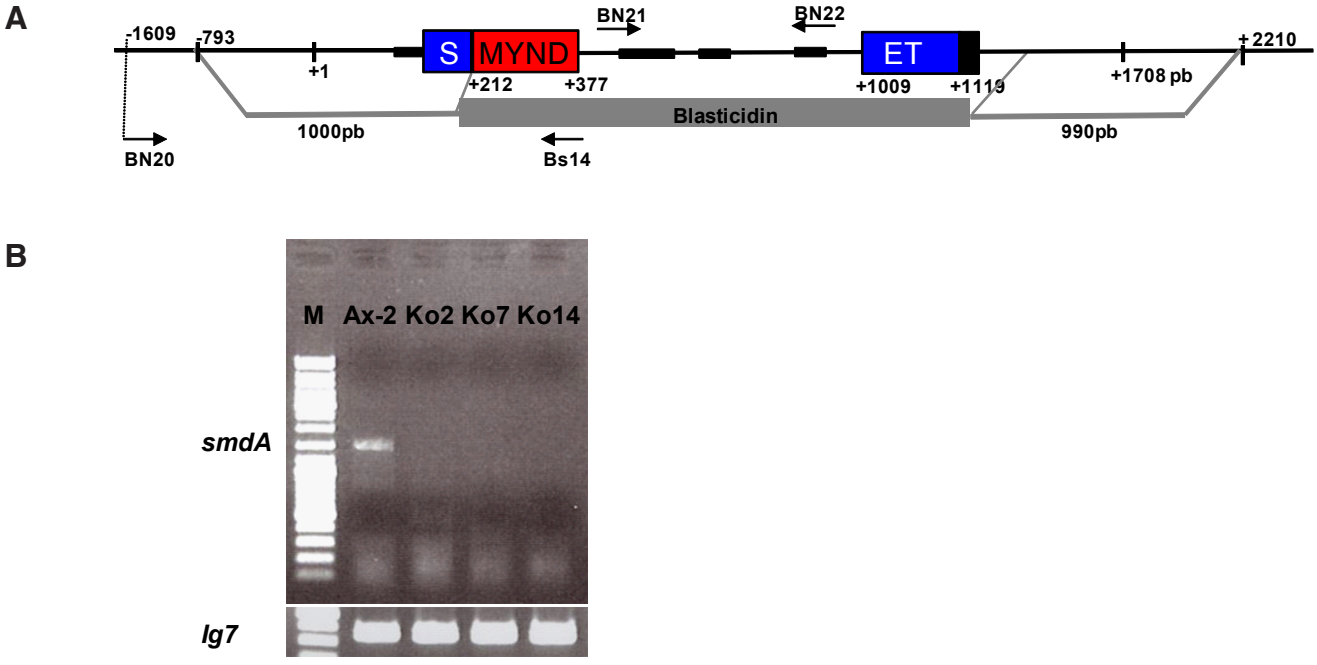

Supplementary Fig. 1. Generation of a *smdA* null strain. (A) *Schematic representation of the* smdA *locus and the disruption vector. The disruption vector was created in Bluescript II KS containing a blasticidin cassette, using the 5' flanking region of* smdA *extending from -1609 to +203 and the 3' region extending from +1120 to +2110 (numbered relative to the ATG). The 5' region was amplified with the primers GCGGCCGCTCATCAGGTCTTTTAC and CCTAGGTTTCTTTGAATTGATTATC and cloned as a NotI/BamHI fragment. The 3'region was amplified using the primers AAGCTTTTTATGGTGTGGATCTGG and CTCGAGTTTATTCCATTACAACACC and cloned as a HindIII/XhoI fragment. The vector was linearized with NotI/XhoI and used for transformation. The pools were selected using 10ug/ml of blasticidin and the transformants were clonally isolated on a bacterial lawn. The clones were screened by PCR using primers located inside the cassette, Bs14 (+590), and outside the 5' flanking region, BN20 (-1609). Then PCR analysis using primers inside the deleted region, BN21 (+57) and BN22 (+1046).* **(B)** *RT-PCR analysis of* smdA *gene expression To confirm gene disruption expression was analysed in control Ax-2 and smdA- null clones during vegetative growth.* SmdA *coding region primers were used and as a semi-constitutive expression control lg7 was analysed.*