

**Supplementary figure 1.** Plasmid containing *A. niger* AQPs. Each *A. niger* AQP was inserted in between pRPL18B and tPGK1 terminator and then cloned into high copy number plasmid pMV009. The plasmid contains *AmpR* gene as an ampicillin resistance gene and *URA3* gene as a marker gene. Once the AQPs were ligated into the plasmid, GFP sequence was removed.