



**Figure S1.** The gel electrophoresis of purified amplified PCR products with band sizes run on the gel for bacteria (a) and fungi (b). M=DNA Ladder; a=*K. aerogenes*, strain 77 band; b=*K. aerogenes* strain UISO178 band; c=*S. enterica* strain ABUH 7 band; d=*K. aerogenes* strain M242 band; e=*E. sp.* NCCP-607 band, f=*G. geotrichum* CBS774.71 band; g=*A. niger* YMCHA 73 band, h=*T. virens* A701 band.

**Table S2.** Predicted infections related diseases in the bacteria and fungi strains.

Organism	Predicted diseases
<i>G. geotrichum</i>	Autosomal dominant, autosomal recessive, Vitreoretinal degeneration, Oto-spondylo-megaepiphyseal dysplasia, Fibrochondrogenesis.
<i>A. niger</i>	Epidermolysis bullosa, junctional
<i>T. virens</i>	Combined oxidative phosphorylation deficiency
<i>K. aerogenes</i> strain M242	Glycogen storage disease