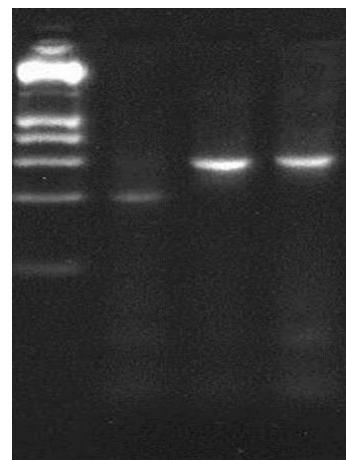


(a) Bacteria



(b) Fungi

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