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 ABUH7 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-megaepiphysyal dysplasia, Fibrochondrogenesis. |
| A. niger                  | Epidermolysis bullosa, junctional                        |
| T. virens                 | Combined oxidative phosphorylation deficiency            |
| K. aerogenes strain M242  | Glycogen storage disease                                |