

Genomic and Pangenomic Analysis of *Kluyveromyces marxianus* SHY2, a Novel Strain with High Proteolytic Potential

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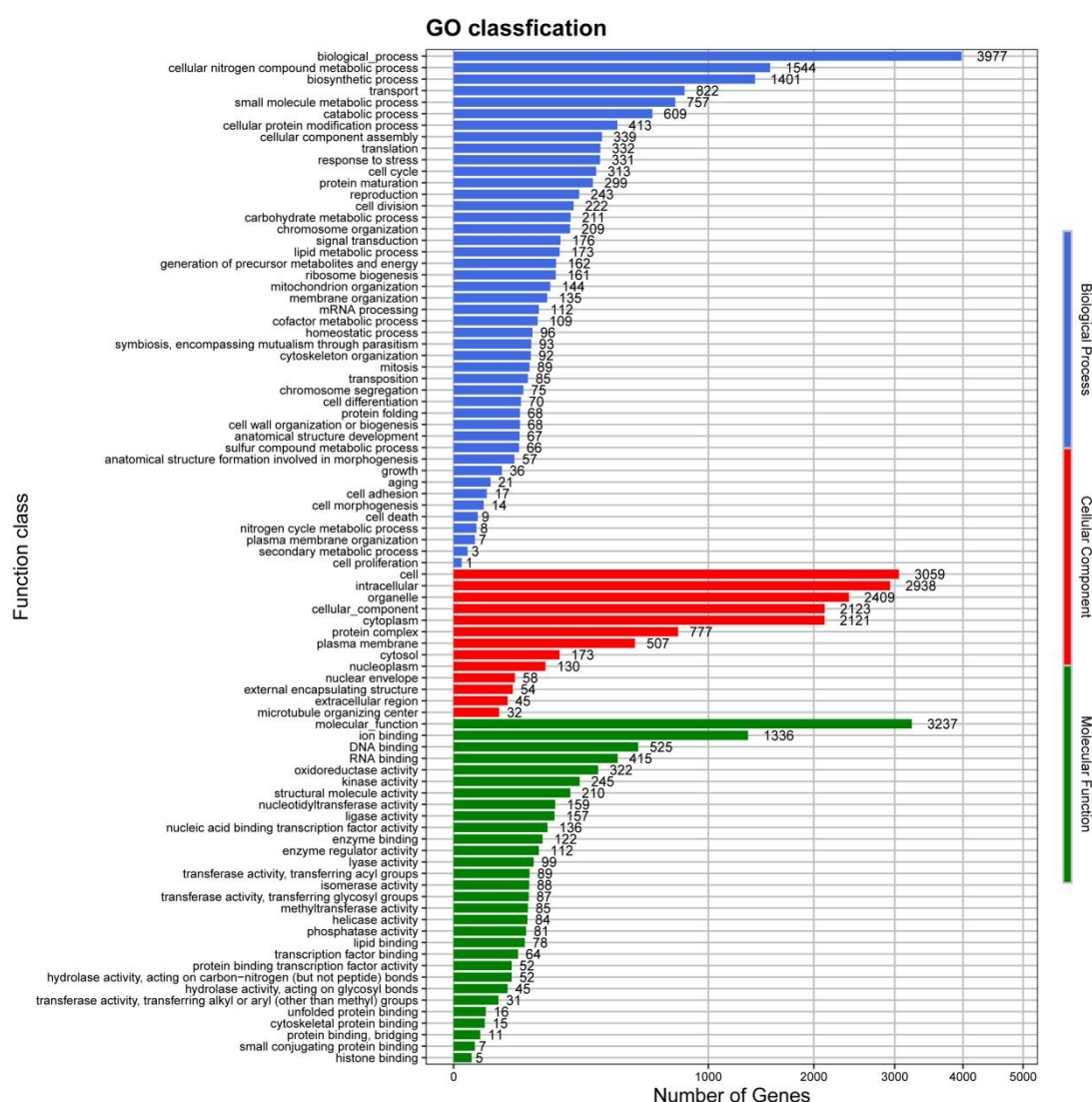


Figure. S1 GO functional classification of SHY2 genes. Catalytic activity (56%) and binding (44%) dominate the molecular function category. Metabolic processes (40%) and cellular processes (35%) are the primary biological processes, consistent with the robust metabolic capacity of the strain.

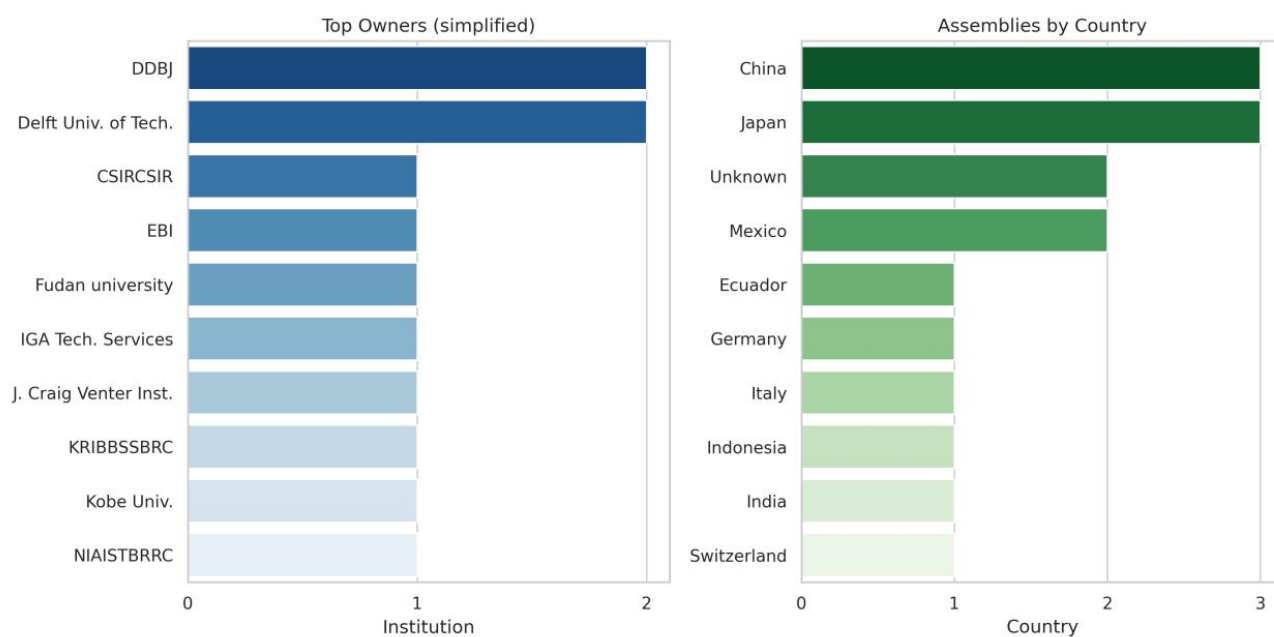


Figure. S2 The geographical origin and ecological niche distribution of 16 *K. marxianus* strains.