

Table S3. KEGG enrichment between different samples (p-value ≤ 0.05).

Pathway	Class	Group	p-value	FDR
KEGG enrichment in LM1/HM-UP and LM1/HM-DOWN				
Biosynthesis of secondary metabolites	Overview	Metabolism	6.70E-12	4.02E-10
	Carbohydrate metabolism			
Starch and sucrose metabolism		Metabolism	6.00E-05	0.001800386
Biosynthesis of antibiotics	Overview	Metabolism	0.000767646	0.015352915
Glycerophospholipid metabolism	Lipid metabolism	Metabolism	0.002272296	0.027543139
	Amino acid metabolism			
Tyrosine metabolism	metabolism	Metabolism	0.002295262	0.027543139
	Carbohydrate metabolism			
Pyruvate metabolism		Metabolism	0.001327923	0.018171584
KEGG enrichment in LM2/HHK-UP and LM2/HHK-DOWN				
Steroid biosynthesis	Lipid metabolism	Metabolism	1.91E-05	0.00059773
	cellular processes			
Cell cycle - yeast	Cell growth and death	cellular processes	1.99E-05	0.00059773
	cellular processes			
DNA replication	Replication and repair	processes	0.000596357	0.011927147
	cellular processes			
Meiosis - yeast	Cell growth and death	cellular processes	0.003380868	0.032617563
	cellular processes			
Mismatch repair	Replication and repair	processes	0.003805382	0.032617563
	cellular processes			
Homologous recombination	Replication and repair	processes	0.003805382	0.032617563
	Genetic Information Processing			
Nucleotide excision repair	Replication and repair	Information Processing	0.005998159	0.037922575
	Genetic Information Processing			
Base excision repair	Replication and repair	Information Processing	0.006466285	0.037922575