

S3 Table. the detailed results from the pathway analysis

Pathway	Matched Entities	Pathway Entities of Experiment Type	Raw <i>P</i> value
Hs_Selenium_Pathway_WP15_56489	8	105	<0.001
Hs_Sphingolipid_Metabolism_WP1923_46972	4	29	<0.0007
Hs_Transport_of_glucose_and_other_sugars,_bile_salts_and_organic_acids,_metal_ions_and_amine_compounds_WP1935_45063	3	29	<0.02
Hs_Glucose_Homeostasis_WP661_45308	3	21	<0.004
Hs_Drug_Induction_of_Bile_Acid_Pathway_WP2289_57150	3	9	<0.01
Hs_Metabolism_of_amino_acids_and_derivatives_WP1847_52373	4	135	<0.005
purine nucleotides degradation II (aerobic)	3	19	<0.0004
Hs_Glucose_Homeostasis_WP661_34501	3	21	<0.001
Hs_Metabolism_of_nucleotides_WP1851_44898	3	81	<0.01
adenosine nucleotides degradation II	3	13	<0.003
Hs_Glucose_Homeostasis_WP661_45308	3	21	<0.004
Hs_Phase_1_-_Functionalization_of_compounds_WP1879_42095	3	102	<0.01
Hs_Drug_Induction_of_Bile_Acid_Pathway_WP2289_57150	3	9	<0.002
Hs_Nucleotide_Metabolism_WP404_45328	3	17	<0.01
Hs_Transport_of_glucose_and_other_sugars,_bile_salts_and_organic_acids,_metal_ions_and_amine_compounds_WP1935_45063	3	29	<0.02

Many pathways were tested at the same time, Raw *P* the original *P* value calculated from the enrichment analysis showing the *P* value of the changes in the pathway.

