

SUPPLEMENTARY TABLE S4. RESULT FROM INGENUITY PATHWAY ANALYSIS WITH METABOLYST BASED ON KEGG

No	Pathway	Total	Expected	Hits	Raw p	Impact
1.	Histidine metabolism	15	0.14	2	0.0078	0.25
2.	Nicotinate and nicotinamide metabolism	13	0.12	1	0.1145	0.24
2.	Phenylalanine metabolism	9	0.08	1	0.0806	0.13
3.	Arginine and proline metabolism	44	0.41	2	0.0603	0.06
4.	Tyrosine metabolism	42	0.39	1	0.3278	0.03
5.	Tryptophan metabolism	41	0.38	2	0.0531	0.00
6.	Lysine degradation	20	0.19	1	0.1711	0.00
7.	Aminoacyl-tRNA biosynthesis	67	0.62	1	0.4724	0.00