

Full Run 2 – Diet

Pathway Name	Match	p	-log(p)	Holm p	FDR	Impact
Pyrimidine metabolism	29/41	1.2428E-65	149.45	9.3219E-64	9.321E-64	0.90609
Biotin metabolism	2/5	3.1362E-59	134.71	2.3208E-57	1.176E-57	0.4
Drug metabolism - other enzymes	11/30	7.9414E-47	106.15	5.7972E-45	1.985E-45	0.3598
Glycerophospholipid metabolism	16/30	4.931E-42	95.113	3.5503E-40	9.245E-41	0.72038
Cyanoamino acid metabolism	5/6	1.0407E-20	46.012	7.3893E-19	1.561E-19	0.0
Citrate cycle (TCA cycle)	13/20	1.4148E-20	45.705	9.9039E-19	1.768E-19	0.62406
Alanine, aspartate and glutamate metabolism	17/24	7.5775E-20	44.027	5.2285E-18	8.118E-19	0.89028
Steroid biosynthesis	3/35	2.3150E-19	42.91	1.5742E-17	2.170E-18	0.04149
Butanoate metabolism	12/22	1.4436E-17	38.777	9.672E-16	1.203E-16	0.15943
Porphyrin and chlorophyll metabolism	7/27	6.8479E-14	30.312	4.5196E-12	5.135E-13	0.25681
Propanoate metabolism	9/20	8.2667E-12	25.519	5.3734E-10	5.636E-11	0.00862
Cysteine and methionine metabolism	17/27	3.7825E-11	23.998	2.4208E-9	2.364E-10	0.63993
Pyruvate metabolism	11/23	8.0716E-11	23.24	5.0851E-9	4.656E-10	0.6725
beta-Alanine metabolism	9/17	1.0597E-9	20.665	6.5701E-8	5.677E-9	0.79629
Taurine and hypotaurine metabolism	6/8	2.3689E-9	19.861	1.445E-7	1.1844E-8	0.99999
D-Glutamine and D-glutamate metabolism	5/5	1.6267E-8	17.934	9.7602E-7	7.6252E-8	1.0
Glyoxylate and dicarboxylate metabolism	14/18	2.2491E-8	17.61	1.327E-6	9.9226E-8	0.67742
Arginine and proline metabolism	30/44	3.6782E-8	17.118	2.1333E-6	1.4921E-7	0.66866
Pentose and glucuronate interconversions	14/16	3.7801E-8	17.091	2.1547E-6	1.4921E-7	0.73333
Nitrogen metabolism	5/9	4.2567E-8	16.972	2.3837E-6	1.5963E-7	0.0
Sphingolipid metabolism	6/21	6.2538E-8	16.587	3.4396E-6	2.2335E-7	0.49123
Drug metabolism - cytochrome P450	21/56	1.0341E-7	16.085	5.5843E-6	3.5255E-7	0.42144
Selenoamino acid metabolism	7/15	1.2038E-7	15.933	6.3799E-6	3.9253E-7	0.55046
Methane metabolism	4/9	1.9166E-7	15.468	9.9661E-6	5.9892E-7	0.4
Biosynthesis of unsaturated fatty acids	10/42	2.4266E-7	15.232	1.2375E-5	7.2797E-7	0.0
Histidine metabolism	11/15	4.1432E-7	14.697	2.0716E-5	1.1952E-6	0.61291
Fatty acid biosynthesis	6/43	4.7217E-7	14.566	2.3137E-5	1.3116E-6	0.02598
Purine metabolism	44/68	5.4531E-7	14.422	2.6175E-5	1.4607E-6	0.786
Fructose and mannose metabolism	14/21	6.1089E-7	14.308	2.8712E-5	1.5799E-6	0.74861
Lysine degradation	9/23	7.3856E-7	14.119	3.3974E-5	1.8464E-6	0.10295
Retinol metabolism	4/16	1.8995E-6	13.174	8.5477E-5	4.5955E-6	0.52096
Pentose phosphate pathway	13/19	2.2625E-6	12.999	9.9552E-5	5.3028E-6	0.53153
Glycine, serine and threonine metabolism	19/31	2.5021E-6	12.898	1.0759E-4	5.6867E-6	0.80883
Synthesis and degradation of ketone bodies	3/5	3.0321E-6	12.706	1.2735E-4	6.6884E-6	0.6
Ubiquinone and other terpenoid-quinone biosynthesis	1/3	4.5251E-6	12.306	1.8553E-4	9.6966E-6	0.0
Tryptophan metabolism	22/40	8.0554E-6	11.729	3.2222E-4	1.6782E-5	0.68088
Glutathione metabolism	9/26	8.6943E-6	11.653	3.3908E-4	1.7624E-5	0.67079
Glycolysis or Gluconeogenesis	16/26	1.3438E-5	11.217	5.1064E-4	2.6522E-5	0.6445
Amino sugar and nucleotide sugar metabolism	28/37	1.5671E-5	11.064	5.7983E-4	3.0136E-5	0.72038
Valine, leucine and isoleucine degradation	15/38	1.9582E-5	10.841	7.0497E-4	3.6717E-5	0.27135