

term name	term ID	n. of genes	corrected p-value				
monosaccharide metabolic process	GO:0005996	91	1.12e-02				
hexose metabolic process	GO:0019318	85	4.05e-03				
glucose metabolic process	GO:0006006	68	1.15e-04				
monosaccharide biosynthetic process	GO:0046364	35	5.95e-03				
hexose biosynthetic process	GO:0019319	34	4.32e-03				
gluconeogenesis	GO:0006094	33	3.09e-03				
ribosomal small subunit assembly	GO:0000028	16	2.78e-02				
rRNA transport	GO:0051029	18	1.20e-06				
rRNA export from nucleus	GO:0006407	18	1.20e-06				
response to oxidative stress	GO:0006979	105	7.23e-03				
cellular response to oxidative stress	GO:0034599	97	3.03e-02				
lysine metabolic process	GO:0006553	14	9.35e-03				
lysine biosynthetic process	GO:0009085	13	4.94e-03				
lysine biosynthetic process via aminoadipic acid	GO:0019878	11	1.06e-03				
metabolic process	GO:0008152	4709	3.57e-06				
organic substance metabolic process	GO:00071704	3123	1.44e-07				
carbohydrate derivative metabolic process	GO:1901135	367	3.20e-12				
organonitrogen compound metabolic process	GO:1901564	651	1.67e-17				
organonitrogen compound catabolic process	GO:1901565	110	4.28e-02				
pyridine-containing compound metabolic process	GO:0072524	100	1.50e-10				
purine-containing compound metabolic process	GO:0072521	170	6.49e-24				
primary metabolic process	GO:0044238	3554	1.25e-05				
protein metabolic process	GO:0019538	1543	9.13e-04				
cellular protein metabolic process	GO:0044267	1430	2.76e-04				
protein folding	GO:0006457	110	9.41e-04				
de novo protein folding	GO:0006458	11	1.05e-03				
protein refolding	GO:0042026	17	2.33e-04				
biosynthetic process	GO:0009058	2100	5.08e-03				
organic substance biosynthetic process	GO:1901576	2070	1.83e-03				
organonitrogen compound biosynthetic process	GO:1901566	385	4.21e-04				
mitochondrial RNA metabolic process	GO:0009059	28	4.04e-03				
single-organism process	GO:0044699	3755	1.16e-17				
single-organism metabolic process	GO:0044710	2051	1.05e-17				
small molecule metabolic process	GO:0044281	789	3.94e-29				
single-organism biosynthetic process	GO:0044711	858	8.27e-22				
small molecule biosynthetic process	GO:0044283	315	2.80e-02				
single-organism catabolic process	GO:0044712	398	1.17e-03				
small molecule catabolic process	GO:0044282	113	1.52e-23				
glycosyl compound metabolic process	GO:1901657	165	1.25e-05				
glycosyl compound biosynthetic process	GO:1901659	65	3.16e-04				
oxidation-reduction process	GO:0009987	4884	2.36e-10				
cellular process	GO:0044763	3397	3.56e-21				
single-organism cellular process	GO:0050086	279	1.66e-22				
nucleobase-containing small molecule metabolic process	GO:0009116	161	2.80e-26				
nucleoside metabolic process	GO:0009119	154	1.80e-26				
purine nucleoside metabolic process	GO:0042278	140	6.08e-27				
purine ribonucleoside metabolic process	GO:0046128	140	6.08e-27				
nucleoside biosynthetic process	GO:0009163	61	1.15e-04				
ribonucleoside biosynthetic process	GO:0042455	60	8.77e-05				
cellular metabolic process	GO:0044237	3696	1.78e-09				
generation of precursor metabolites and energy	GO:0006091	186	1.89e-23				
energy derivation by oxidation of organic compounds	GO:0015980	103	6.26e-15				
cellular respiration	GO:0045333	152	1.69e-15				
aerobic respiration	GO:0009060	78	5.85e-12				
electron transport chain	GO:0022900	32	3.47e-11				
respiratory electron transport chain	GO:0022904	31	1.61e-11				
phosphorus metabolic process	GO:0006793	760	1.03e-06				
organophosphate metabolic process	GO:0019637	417	8.59e-14				
phosphate-containing compound metabolic process	GO:0006796	737	6.36e-05				
nucleoside phosphate metabolic process	GO:0009753	247	1.50e-23				
nucleoside monophosphate metabolic process	GO:0009123	135	8.78e-25				
ribonucleoside monophosphate metabolic process	GO:0009161	132	2.47e-25				
purine nucleoside monophosphate metabolic process	GO:0009126	116	1.69e-27				
nucleoside phosphate biosynthetic process	GO:0009123	121	1.75e-02				
nucleoside monophosphate biosynthetic process	GO:1901294	61	1.88e-02				
purine nucleoside monophosphate biosynthetic process	GO:0009127	42	9.97e-04				
ribonucleoside monophosphate biosynthetic process	GO:0009156	58	1.00e-02				
purine ribonucleoside monophosphate biosynthetic process	GO:0009168	42	9.97e-04				
nucleotide metabolic process	GO:0009117	243	5.19e-24				
purine nucleotide metabolic process	GO:0006163	139	4.45e-25				
nucleotide biosynthetic process	GO:0009165	119	4.53e-02				
nucleoside triphosphate metabolic process	GO:0009141	70	1.62e-15				
ribonucleoside triphosphate metabolic process	GO:0009199	62	2.09e-17				
purine nucleoside triphosphate metabolic process	GO:0009144	60	9.66e-17				
purine ribonucleoside triphosphate metabolic process	GO:0009205	58	2.85e-17				
nucleoside triphosphate biosynthetic process	GO:0009142	29	6.95e-04				
ribonucleoside triphosphate biosynthetic process	GO:0009201	26	1.84e-04				
purine nucleoside triphosphate biosynthetic process	GO:0009145	22	3.01e-04				
purine ribonucleoside triphosphate biosynthetic process	GO:0009206	22	3.01e-04				
ribose phosphate metabolic process	GO:0019693	168	4.08e-26				
ribonucleotide metabolic process	GO:0009259	148	1.65e-25				
purine ribonucleotide metabolic process	GO:0009150	135	8.30e-26				
ATP metabolic process	GO:0046034	54	3.63e-17				
oxidative phosphorylation	GO:0006119	32	1.62e-12				
ATP biosynthetic process	GO:0042773	29	3.03e-12				
mitochondrial ATP synthesis coupled electron tran ...	GO:0006123	12	2.40e-03				
mitochondrial electron transport, cytochrome c ...	GO:0006122	11	1.05e-03				
mitochondrial electron transport, ubiquinol to ...	GO:0035383	20	1.58e-02				
thioester metabolic process	GO:0006082	434	2.45e-23				
oxoacid metabolic process	GO:0043436	433	2.04e-23				
carboxylic acid metabolic process	GO:0019752	417	5.31e-24				
tricarboxylic acid metabolic process	GO:0072350	29	1.47e-09				
citrate metabolic process	GO:0006101	29	1.47e-09				
tricarboxylic acid cycle	GO:0006099	29	1.47e-09				
dicarboxylic acid metabolic process	GO:0043648	44	1.45e-02				
monocarboxylic acid metabolic process	GO:0032787	157	1.56e-18				
pyruvate metabolic process	GO:0006090	46	7.32e-10				
cellular amino acid metabolic process	GO:0006520	262	5.67e-03				
alpha-amino acid metabolic process	GO:1901605	195	3.63e-03				
glutamine family amino acid metabolic process	GO:0009064	61	1.88e-02				
organic acid catabolic process	GO:0016054	89	1.90e-03				
carboxylic acid catabolic process	GO:0046395	89	1.90e-03				
monocarboxylic acid catabolic process	GO:0072329	30	1.04e-03				
cofactor metabolic process	GO:0051188	206	8.77e-10				
coenzyme metabolic process	GO:0006732	182	2.14e-10				
oxidoreduction coenzyme metabolic process	GO:0006733	99	5.08e-09				
pyridine nucleotide metabolic process	GO:0019362	85	7.27e-11				
nicotinamide nucleotide metabolic process	GO:0046496	84	4.08e-10				
NADP metabolic process	GO:0006739	22	3.39e-02				
acyl-CoA metabolic process	GO:0006637	20	1.58e-02				
cofactor catabolic process	GO:0051187	9	4.61e-03				
coenzyme catabolic process	GO:0009109	8	4.99e-02				
cellular biosynthetic process	GO:0044249	2030	5.91e-03				
carboxylic acid biosynthetic process	GO:0016053	191	6.95e-03				
alpha-amino acid biosynthetic process	GO:0046394	191	6.95e-03				
glutamine family amino acid biosynthetic process	GO:0008652	144	2.83e-02				
glutamate biosynthetic process	GO:1901607	136	3.47e-02				
glutamate biosynthetic process	GO:0006537	11	2.28e-02				
cellular carbohydrate metabolic process	GO:0044262	176	4.00e-03				
cellular aldehyde metabolic process	GO:0006081	53	1.42e-07				
aldehyde catabolic process	GO:0046185	8	4.80e-02				
protein localization to mitochondrion	GO:0070585	66	4.02e-04				
establishment of protein localization to mitochondrion	GO:0072855	66	4.02e-04				
cellular component organization or biogenesis	GO:0071840	2397	1.82e-02				
cellular component organization	GO:0016043	2045	8.00e-08				
organelle organization	GO:0006996	1007	7.10e-12				
single-organism organelle organization	GO:1902589	1491	2.20e-13				
mitochondrion organization	GO:0007005	377	2.13e-48				
mitochondrial membrane organization	GO:0007006	49	1.80e-04				
inner mitochondrial membrane organization	GO:0007007	27	2.40e-02				
cristae formation	GO:0042407	10	1.09e-02				
protein complex biogenesis	GO:0072071	350	5.45e-03				
mitochondrial respiratory chain complex biogenesis	GO:0097034	27	2.96e-03				
ribose phosphate biosynthetic process	GO:0046300	76	1.53e-02				
ribonucleotide biosynthetic process	GO:0009260	70	4.95e-03				
purine nucleoside biosynthetic process	GO:0072522	70	9.98e-04				
purine nucleoside biosynthetic process	GO:0042451	48	1.23e-04				
purine ribonucleoside biosynthetic process	GO:0046129	48	1.23e-04				
purine nucleotide biosynthetic process	GO:0006164	60	1.53e-02				
purine ribonucleotide biosynthetic process	GO:0009152	57	8.07e-03				
ATP biosynthetic process	GO:0006754	19	7.91e-04				
carbohydrate catabolic process	GO:0016052	95	1.22e-05				
single-organism carbohydrate catabolic process	GO:0044724	82	9.90e-05				
glycolytic process	GO:0006096	32	2.10e-06				
hydrogen transport	GO:0006818	68	1.15e-04				
ion transport	GO:0006811	319	1.56e-04				
cation transport	GO:0006812	176	1.21e-02				
monovalent inorganic cation transport	GO:0015672	98	2.30e-05				
proton transport	GO:0015992	67	8.95e-05				
protein complex assembly	GO:0006461	339	3.01e-02				
cellular protein complex assembly	GO:0043623	236	3.63e-03				
cytochrome complex assembly	GO:0011704	32	1.70e-02				
mitochondrial respiratory chain complex assembly	GO:0033108	36	1.08e-03				
transmembrane transport	GO:0055085	407	1.64e-04				
cation transmembrane transport	GO:0034220	146	2.82e-04				
protein transmembrane transport	GO:0098665	94	4.52e-03				
intracellular protein transmembrane transport	GO:0071806	83	6.09e-04				
intracellular protein transmembrane import	GO:0065002	83	6.09e-04				
inorganic ion transmembrane transport	GO:0044743	70	4.95e-03				
inorganic cation transmembrane transport	GO:0098660						