

Category	Description	# genes	p (uncorr)	p (corr)
GO:0022904	respiratory electron transport chain	59	1.00E-12	2.99E-09
GO:0045333	cellular respiration	100	1.00E-12	2.99E-09
GO:0006119	oxidative phosphorylation	48	1.00E-06	1.20E-03
GO:0042773	ATP synthesis coupled electron transport	46	1.00E-06	1.20E-03
GO:0042775	mitochondrial ATP synthesis coupled electron transport	45	1.00E-06	1.20E-03
GO:0006120	mitochondrial electron transport, NADH to ubiquinone	22	2.00E-06	1.50E-03
GO:0007007	inner mitochondrial membrane organization	22	2.00E-06	1.50E-03
GO:0009145	purine nucleoside triphosphate biosynthetic process	29	2.00E-06	1.50E-03
GO:0042407	cristae formation	17	4.00E-06	2.39E-03
GO:0051438	regulation of ubiquitin-protein transferase activity	33	4.00E-06	2.39E-03
GO:0009206	purine ribonucleoside triphosphate biosynthetic process	28	7.00E-06	3.74E-03
GO:0009201	ribonucleoside triphosphate biosynthetic process	32	1.00E-05	3.74E-03
GO:0010257	NADH dehydrogenase complex assembly	34	1.00E-05	3.74E-03
GO:0032981	mitochondrial respiratory chain complex I assembly	34	1.00E-05	3.74E-03
GO:0097031	mitochondrial respiratory chain complex I biogenesis	34	1.00E-05	3.74E-03
GO:0006303	double-strand break repair via nonhomologous end joining	29	1.00E-05	3.74E-03
GO:0000726	non-recombinational repair	32	1.90E-05	6.69E-03
GO:0009142	nucleoside triphosphate biosynthetic process	41	2.10E-05	6.88E-03
GO:0070585	protein localization to mitochondrion	48	2.20E-05	6.88E-03
GO:1901070	guanosine-containing compound biosynthetic process	9	2.30E-05	6.88E-03
GO:0072655	establishment of protein localization to mitochondrion	44	3.50E-05	9.80E-03
GO:0051443	positive regulation of ubiquitin-protein transferase activity	18	3.60E-05	9.80E-03
GO:0009060	aerobic respiration	51	4.10E-05	1.07E-02
GO:0033108	mitochondrial respiratory chain complex assembly	51	6.40E-05	1.60E-02
GO:0061418	regulation of transcription from RNA polymerase II promoter in response to hypoxia	56	9.70E-05	2.32E-02
GO:0006418	tRNA aminoacylation for protein translation	33	1.09E-04	2.51E-02
GO:0006626	protein targeting to mitochondrion	35	1.29E-04	2.86E-02
GO:0006165	nucleoside diphosphate phosphorylation	34	1.49E-04	2.92E-02
GO:0009127	purine nucleoside monophosphate biosynthetic process	41	1.49E-04	2.92E-02
GO:0009168	purine ribonucleoside monophosphate biosynthetic process	41	1.49E-04	2.92E-02
GO:0046939	nucleotide phosphorylation	36	1.51E-04	2.92E-02
GO:0042776	mitochondrial ATP synthesis coupled proton transport	11	1.59E-04	2.97E-02
GO:0006090	pyruvate metabolic process	43	2.03E-04	3.68E-02
GO:0043038	amino acid activation	35	2.25E-04	3.85E-02
GO:0043039	tRNA aminoacylation	35	2.25E-04	3.85E-02
GO:0006818	hydrogen transport	77	2.65E-04	4.17E-02
GO:0015992	proton transport	77	2.65E-04	4.17E-02
GO:1902600	hydrogen ion transmembrane transport	77	2.65E-04	4.17E-02
GO:0002474	antigen processing and presentation of peptide antigen via MHC class I	71	3.18E-04	4.66E-02
GO:0042451	purine nucleoside biosynthetic process	15	3.19E-04	4.66E-02
GO:0046129	purine ribonucleoside biosynthetic process	15	3.19E-04	4.66E-02