

**Supplementary Table 17. KEGG pathway enrichment of significantly expanded (p <0.01) gene families of the *C. goeringii* genome.**

MapID	MapTitle	Pvalue	AdjustedPv	x	y	n	N
map01100	Metabolic pathways	1.33E-16	1.40E-14	534	5278	2499	34243
map00830	Retinol metabolism	2.34E-15	2.46E-13	37	113	2499	34243
map00980	Metabolism of xenobiotics by cytochrome P450	6.03E-15	6.34E-13	37	116	2499	34243
map00591	Linoleic acid metabolism	9.84E-15	1.03E-12	31	84	2499	34243
map00071	Fatty acid degradation	1.11E-13	1.17E-11	47	192	2499	34243
map01110	Biosynthesis of secondary metabolites	4.24E-13	4.45E-11	320	2974	2499	34243
map00982	Drug metabolism - cytochrome P450	4.80E-12	5.04E-10	37	141	2499	34243
map00062	Fatty acid elongation	9.61E-10	1.01E-07	28	104	2499	34243
map00310	Lysine degradation	5.97E-09	6.27E-07	29	119	2499	34243
map03008	Ribosome biogenesis in eukaryotes	1.85E-08	1.94E-06	45	251	2499	34243
map00232	Caffeine metabolism	2.13E-08	2.24E-06	13	28	2499	34243
map00130	Ubiquinone and other terpenoid-quinone biosynthesis	4.68E-08	4.92E-06	25	101	2499	34243
map00960	Tropane, piperidine and pyridine alkaloid biosynthesis	7.10E-08	7.46E-06	25	103	2499	34243
map01040	Biosynthesis of unsaturated fatty acids	1.17E-07	1.23E-05	27	120	2499	34243
map00350	Tyrosine metabolism	1.98E-07	2.07E-05	24	101	2499	34243
map00562	Inositol phosphate metabolism	2.12E-07	2.23E-05	41	237	2499	34243
map00020	Citrate cycle (TCA cycle)	3.56E-07	3.74E-05	28	134	2499	34243
map00140	Steroid hormone biosynthesis	3.79E-07	3.97E-05	31	158	2499	34243
map00620	Pyruvate metabolism	2.56E-06	0.00026926	40	251	2499	34243
map00592	alpha-Linolenic acid metabolism	2.87E-06	0.0003018	28	148	2499	34243
map00380	Tryptophan metabolism	2.93E-06	0.00030813	27	140	2499	34243
map02010	ABC transporters	5.00E-06	0.00052512	41	267	2499	34243
map04530	Tight junction	9.84E-06	0.00103276	33	201	2499	34243

map00943	Isoflavonoid biosynthesis	1.29E-05	0.00135389	23	118	2499	34243
map00770	Pantothenate and CoA biosynthesis	3.13E-05	0.00328911	21	108	2499	34243
map00500	Starch and sucrose metabolism	4.74E-05	0.00497395	64	528	2499	34243
map00514	Other types of O-glycan biosynthesis	6.81E-05	0.00715123	14	59	2499	34243
map01212	Fatty acid metabolism	7.68E-05	0.0080588	30	194	2499	34243
map00360	Phenylalanine metabolism	8.50E-05	0.00892222	24	141	2499	34243
map00531	Glycosaminoglycan degradation	0.0001032	0.01084043	18	92	2499	34243
map00950	Isoquinoline alkaloid biosynthesis	0.0001211	0.01271553	14	62	2499	34243
map00340	Histidine metabolism	0.0002463	0.02586262	11	44	2499	34243
map00944	Flavone and flavonol biosynthesis	0.0002463	0.02586262	11	44	2499	34243

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