

Table S4: Module KEGG Enrichment

a) Lightyellow enrichment (129 genes)

Over-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
path:tbr03010	26	134	1e-07	Ribosome

b) Lightcyan enrichment (193 genes)

Under-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
path:tbr01100	2	378	0.0078292	Metabolic pathways

c) Magenta enrichment (264 genes)

Over-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
path:tbr00230	12	82	0.0088518	Purine metabolism

d) Blue enrichment (614 genes)

Under-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
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path:tbr03010	1	134	0.0143821	Ribosome
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e) Red enrichment (460 genes)

Over-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
path:tbr03440	6	14	0.0148137	Homologous recombination

f) Yellow enrichment (539 genes)

Over-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
path:tbr04144	8	35	0.0249234	Endocytosis

g) Pink enrichment (383 genes)

Over-represented KEGG pathway:

category	num_in_subset	num_total	adj_pval	name
path:tbr03013	8	42	0.0318986	RNA transport

Total enriched KEGG pathway

Total: 7 (Total $-\log_{10}(\text{adj.pval}) = 17.970866$)