

TABLE S2: GO biological process terms of the modules of *salvia miltiorrhiza*

Modules	p-value	GO terms
1	6.20E-23	regulation of cAMP metabolic process
2	6.26E-33	DNA repair
3	4.37E-16	G-protein coupled receptor signaling pathway
4	1.74E-11	DNA repair
5	9.10E-22	lipid metabolic process
6	5.94E-13	inflammatory response
7	9.19E-20	tricarboxylic acid cycle
8	6.81E-17	apoptotic signaling pathway
9	2.44E-15	RNA biosynthetic process
10	1.24E-11	interferon-gamma-mediated signaling pathway
11	1.13E-16	apoptotic process
12	2.83E-16	chromatin organization
13	2.33E-17	immune response-regulating signaling pathway
14	3.77E-08	lipid catabolic process
15	1.19E-22	cell cycle phase transition
16	2.71E-06	regulation of RNA metabolic process
17	1.61E-20	xenobiotic metabolic process
18	2.53E-06	regulation of RNA splicing
19	1.13E-09	carbohydrate metabolic process
20	8.28E-16	G-protein coupled receptor signaling pathway
21	1.25E-19	cell cycle phase transition
22	3.71E-08	regulation of blood coagulation
23	1.39E-15	potassium ion transport
24	2.31E-06	execution phase of apoptosis
25	7.03E-07	regulation of apoptotic process
26	3.93E-07	positive regulation of cellular protein metabolic process
27	6.72E-10	regulation of immune response
28	3.37E-18	xenobiotic metabolic process
29	5.27E-11	DNA-dependent transcription
30	5.23E-08	regulation of immune response
31	3.74E-11	regulation of interleukin-1 secretion
32	3.18E-06	negative regulation of RNA metabolic process
33	8.15E-09	positive regulation of RNA metabolic process
34	4.39E-13	xenobiotic metabolic process
35	4.50E-07	DNA metabolic process
36	9.06E-11	negative regulation of cAMP biosynthetic process
37	1.68E-09	toll-like receptor signaling pathway
38	1.32E-05	negative regulation of protein metabolic process
39	4.99E-08	RNA biosynthetic process
40	8.42E-10	toll-like receptor signaling pathway
41	1.11E-07	DNA metabolic process
42	7.37E-06	positive regulation of RNA metabolic process

43	1.97E-05	cAMP metabolic process
44	1.11E-05	DNA packaging
45	2.04E-04	chromatin organization
46	1.21E-06	defense response
47	9.70E-06	transcription from RNA polymerase I promoter
48	7.04E-07	regulation of blood coagulation
49	6.11E-06	RNA biosynthetic process
50	1.11E-07	toll-like receptor signaling pathway
51	1.31E-04	lipoxygenase pathway
52	6.90E-04	alanine catabolic process
53	1.27E-11	neural crest cell migration
54	2.18E-06	apoptotic process
55	6.76E-05	RNA biosynthetic process
56	4.99E-04	DNA metabolic process
57	1.67E-06	platelet activation

Notes: P-value is the probability of obtaining the observed effect, a very small P-value indicates that the observed effect is very unlikely to have arisen purely by chance, and therefore provides evidence against the null hypothesis.