

TABLE S5: GO biological process terms of the modules of *astragalus membranaceus*

Modules	p-value	GO terms
1	3.30E-19	regulation of blood vessel size
2	1.15E-17	positive regulation of RNA metabolic process
3	7.10E-35	xenobiotic metabolic process
4	2.68E-10	regulation of apoptotic process
5	1.17E-22	blood coagulation
6	5.23E-12	DNA metabolic process
7	1.27E-13	cyclic nucleotide metabolic process
8	7.98E-11	cellular lipid metabolic process
9	2.50E-22	cellular amino acid catabolic process
10	8.04E-12	fatty acid beta-oxidation
11	1.25E-19	cell cycle phase transition
12	2.77E-29	muscle filament sliding
13	1.57E-11	cellular amino acid metabolic process
14	1.68E-17	xenobiotic metabolic process
15	4.10E-10	cellular lipid metabolic process
16	1.83E-11	DNA metabolic process
17	1.03E-11	positive regulation of nuclease activity
18	3.52E-17	mRNA metabolic process
19	2.74E-13	positive regulation of interleukin-1 beta production
20	9.09E-15	toll-like receptor 1 signaling pathway
21	2.95E-07	regulation of cell migration
22	1.38E-06	cellular macromolecule biosynthetic process
23	3.48E-09	positive regulation of cytokine production
24	1.92E-11	xenobiotic metabolic process
25	9.07E-07	epidermal growth factor receptor signaling pathway
26	1.64E-04	lipoxygenase pathway
27	2.70E-10	angiogenesis
29	2.91E-08	cholesterol transport

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.