

Table S1. The inhibition rate and significance analysis of gallic acid on *A. flavus* growth

	PDA	PDA+0.2% GA		PDA+0.5% GA		PDA+0.8% GA		PDA+1% GA	
	Dc (cm)	inhibition rate [#]	Log2 (Ds/Dc [*])	inhibition rate	Log2 (Ds/Dc)	inhibition rate	Log2 (Ds/Dc)	inhibition rate	Log2 (Ds/Dc)
3 d ^a	2.75	0.09	-0.14	0.15	-0.24	0.21	-0.33	0.24	-0.40
4 d	3.82	0.08	-0.12	0.15	-0.23	0.19	-0.30	0.21	-0.34
5 d	4.62	0.06	-0.10	0.14	-0.22	0.18	-0.29	0.22	-0.36
6 d	5.47	0.07	-0.10	0.15	-0.23	0.19	-0.31	0.21	-0.34
7 d	6.23	0.07	-0.11	0.16	-0.25	0.19	-0.30	0.21	-0.35
10 d	8.00	0.04	-0.06	0.10	-0.15	0.14	-0.21	0.16	-0.26

[#]: inhibition rate=1-Ds/Dc. ^{*}: Ds: the mean value of gallic acid treated *A. flavus* colonies diameter. Dc: the mean value of the untreated *A. flavus* colonies diameter with the same culture days. ^a: days.

Table S2. Summary of the RNA-Seq data

Sample	P1	P2	P3	P02-1	P02-2	P02-3	P08-1	P08-2	P08-3
Raw Reads Number	23,898,280	22,778,644	23,273,248	23,292,774	23,976,760	22,857,152	20,548,080	22,896,190	24,414,006
Clean Reads Number	23,118,022	22,133,478	22,624,608	22,585,384	23,340,760	22,191,008	19,892,462	22,142,460	23,708,028
Clean Reads Rate (%)	96.73	97.17	97.21	96.96	97.35	97.09	96.81	96.71	97.11
Mapped Reads	20,770,075	19,955,585	20,593,157	20,194,237	20,894,924	17,143,917	18,172,737	19,738,124	21,416,603
Mapping Rate (%)	0.8984	0.9016	0.9102	0.8941	0.8952	0.7726	0.9135	0.8914	0.9033
UnMapped Reads	2,347,947	2,177,893	2,031,451	2,391,147	2,445,836	5,047,091	1,719,725	2,404,336	2,291,425
MultiMap Reads	72,026	78,501	55,283	80,440	74,028	270,335	42,123	94,076	52,264
MultiMap Rate (%)	0.0031	0.0035	0.0024	0.0036	0.0032	0.0122	0.0021	0.0042	0.0022
UniqueMap Reads	18,350,102	17699191	18506423	17722650	18375060	11826491	16410889	17239712	19072914
UniqueMap Rate (%)	0.8834875	0.8869292	0.8986686	0.8776093	0.8794031	0.689836	0.9030499	0.873422	0.890567

P1, P2, P3: triplicates of the untreated *A. flavus* samples. P02-1, P02-2, P02-3: triplicates of the 0.2% (w/v) gallic acid treated *A. flavus* samples. P08-1, P08-2, P08-3: triplicates of the 0.8% (w/v) gallic acid treated *A. flavus* samples.