



**Figure S1.** Photomicrographic representation of morphological structure of zebrafish larva at 128 hpf. (A) Control group sustained in filtered water at 128 hpf; (B,C) Ethanol treatment group exposed to 2% EtOH for 32 h. SC: spinal curvature; PE: pericardial edema; Sb: swim bladder; AYS: abnormal yolk sac.

**Table S1.** The sequences of primer pairs used in real-time quantitative PCR assay.

Gene	Forward primer	Reverse primer
NF-κB	AGAGAGCGCTTGCCTCCTT	TTGCCTTTGGTTTTTCGGTAA
Nrf2	TCGGGTTTGTCCCTAGATG	AGGTTTGGAGTGTCCGCTA
HO-1	ATGCCCTTGTTTCCAGTCAGC	GGACTTGGAGCACTTCTTCGG
β-actin	TCGTCCACCGCAAATGCTTCTA	CCGTCACCTTCACCGTTCCAGT

**Table S2.** Mortality and body length of zebrafish larvae treated with SSF-jujube. Values are means  $\pm$  SD ( $n=3$ ).

Group	Total quantity	Number of death	Mortality (%)	Body length(mm)
Control	120	4	3.3	3.696 $\pm$ 0.084
2% EtOH	120	12	10.0	3.336 $\pm$ 0.0120
2% EtOH + 10 $\mu$ g/mL SSF	120	8	6.7	3.654 $\pm$ 0.115
2% EtOH + 30 $\mu$ g/mL SSF	120	6	5.0	3.615 $\pm$ 0.096
2% EtOH + 50 $\mu$ g/mL SSF	120	6	5.0	3.603 $\pm$ 0.038