

**Table S1** List of ineffective compounds (FIC  $\geq$  0.5, with 32  $\mu\text{g}/\text{mL}$ ; the compounds labeled with boldface were purchased from Sigma-Aldrich, St. Louis, MO, USA, the remaining compounds were purchased from the National Institute for the Control of Pharmaceutical and Biological Products in Beijing, China.)

Compound names		
<b>Acacetin</b>	<b>Dioscin</b>	Paclitaxe
<b>Alkannin</b>	Double coptis	Paeoni-lactone
Allimin	<b>(-)</b> Epigallocatechin gallate	<b>Paeonol</b>
<b>Aloe-emodin</b>	<b>Esculine</b>	<b>Phillyrin</b>
Alpinetin	<b>Eupatilin</b>	Phlorizin
<b>Amygdalin</b>	<b>Formononetin</b>	<b>Piperine</b>
<b>Amentoflavone</b>	<b>Gallic acid</b>	<b>Polydatin</b>
<b>Andrographolide</b>	<b>Gastrodin</b>	Potenline
Andrographis Paniculata PE	<b>Geniposide</b>	Pueraria lobate
<b>Apigenin</b>	<b>Genistin</b>	<b>Quercetin</b>
<b>Arbutin</b>	<b>Genkwanin</b>	<b>Resveratrol</b>
Arctigenin	<b>Gentiopicroside</b>	Rhoifolin
Arecoline	Ginkgetin	Rosinated alcohol
<b>Asiatic acid</b>	<b>Ginkgolide A</b>	<b>Rosmarinic acid</b>
<b>Astilbin</b>	<b>Ginsenoside</b>	Rotenone
<b>Astragaloside</b>	Hanfangichin B	Rutin
Astragalus polysaccharide	Helicid	Saikosaponin
<b>Baicalein</b>	Eupatorium	<b>Salidroside</b>
<b>Baicalin</b>	<b>Icariin</b>	Sbsinthin
Belamcandin	<b>Illicium verum</b>	<b>Scutellarin</b>
<b>Berberine</b>	Isoacteoside	Semen vaccariae
Bergenin	<b>Isoliquiritigenin</b>	<b>Sennoside A</b>
<b>Brassinolide</b>	Isoliquiritin	<b>Silibinin</b>
<b>Bulleyaconitine A</b>	Isoalantolactone	Sophocarpine
<b>Cantharidin</b>	Isoflavoues Aglycone	<b>Sophoricoside</b>

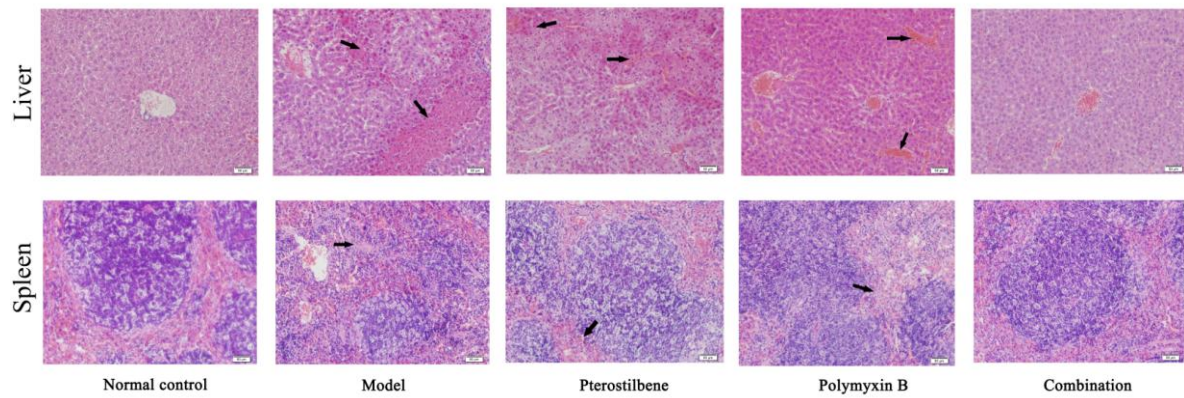
<b>Chlorogenic acid</b>	<b>Kaempferide</b>	<b>Stevioside</b>
<b>Caffeic acid</b>	<b>Limonin</b>	<b>Swertiamarin</b>
<b>Cepharanthine</b>	<b>Loganin</b>	<b>Tectorigenin</b>
Chrysanthemum yellow acid	<b>Luteolin</b>	Tetramethylpyrazine
<b>Chrysin</b>	<b>Lycine</b>	Thymol crystals
Coixol	<b>Maleic acid</b>	Troloxerutin
<b>Cordycepin</b>	<b>Malic acid</b>	Tubeimoside
<b>Corilagin</b>	Menisperine	<b>Vanillic acid</b>
Cortex fraxini acetic acid	Momordin Ic	<b>Verbascoside</b>
<b>Costunolide</b>	<b>Myricetin</b>	Zedoary alcohol
Crataegolic acid	Nuciferine	<b><math>\alpha</math>-asarone</b>
<b>Cyanidin chloride</b>	Obakunone	<b><math>\beta</math>-sitosterol</b>
Deoxyschizandrin	OroxylinA	
Diosbulbin B	<b>Oleanolic Acid</b>	

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**Table S2** MIC values for each of the treatments against *Escherichia coli* W3110 (pUC19-*mcr-3*).

<b>Strain</b>	<b>MIC</b> pterostilbene ( $\mu\text{g/mL}$ )	<b>MIC</b> polymyxin B ( $\mu\text{g/mL}$ )	<b>MIC</b> polymyxin B with the combination of pterostilbene (32 $\mu\text{g/mL}$ )
<i>E. coli</i> W3110 (pUC19- <i>mcr-3</i> )	1024	8	1 ( <b>8</b> )

The MICs were determined in triplicate, and the fold change is indicated in parentheses in bold.



**FIG. S1** Effects of pterostilbene and polymyxin B combination therapy *in vivo*. Histopathology of infected liver and spleen tissues from mice at 24 h post-infection with *E. coli* ZJ478. Significant lesions are marked with black arrows.