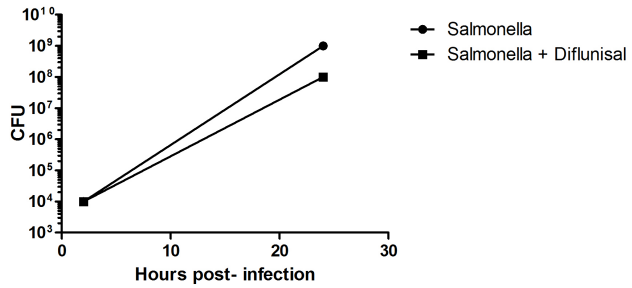
Supplemental table 1: Hits compounds from the screen

Compound	Action/Use
Quinolone antibiotics	Inhibit DNA gyrase and DNA replication
Oxolinic acid (47)	
Ofloxacin (34)	
Flumequine (34)	
Lomefloxacin hydrochloride (34)	
Cinoxacin (34)	
Nalidixic acid (34)	
Tetracycline antibiotics	Inhibit protein synthesis
Tetracycline hydrocloride (12, 48)	
Meclocycline sulfosalicylate (14, 16, 48)	
Demeclocycline hydrochloride	
Doxycycline hydrochloride	
Other antibiotics	
Benzalkonium chloride (3, 49)	Bacteriocidal which disrupts lipid bilayer
Spectinomycin hydrochloride	Aminocyclitol antibiotic; binds 30S ribosomal subunit
Cefazolin sodium salt	Cephalosporin antibiotic (1^{st} generation)
Amikacin sulfate	Aminoglycoside antibiotic; inhibits 30S ribosomal
Amoxicillin	β-lactam antibiotic
Chloramphenicol	Protein synthesis inhibitor
Other compounds	
Oxybendazole (5, 50)	Used as a veterinary treatment for helminthes
Paroxetine hydrochloride (6, 22, 42)	Selective serotonin reuptake inhibitor

Mefloquine (23, 51)	Antimalarial drug; synthetic analog of quinine
Ethidium bromide (24, 25, 52, 53)	DNA intercalating agent
Diflunisal (14, 26, 27, 54)	anti-inflammatory drug; inhibits prostaglandin
Acetaminophen (28-30, 55)	analgesic and antipyretic
Hydrocortisone	Used to treat allergic reactions
Prochlorperazine edisylate	Phenothiazine class of antipsychotic compounds
Quinine sulfate	Antimalarial drug
Ethacrynic acid	Loop diuretic
Methimazole	Thioamide group of antithyroid drugs
Physostigmine	Reversible cholinesterase inhibitor
Papaverine hydrochloride	Opium alkyloid
Hydralazine hydrochloride	Used as a treatment for severe hypertension
Gentian violet	Used as a common antiseptic agent



Supplemental Fig. 1: Diflunisal did not inhibit the intracellular replication of *Salmonella typhimurium* inside macrophage cells

Macrophage cells were infected with *S. typhimurium* for 2 hours, treated with gentamicin to kill extracellular bacteria, and then co-cultured with 4X MIC of diflunisal for 22 hr. Data shown as cfu of intracellular *S. typhimurium* LVS in macrophages.