

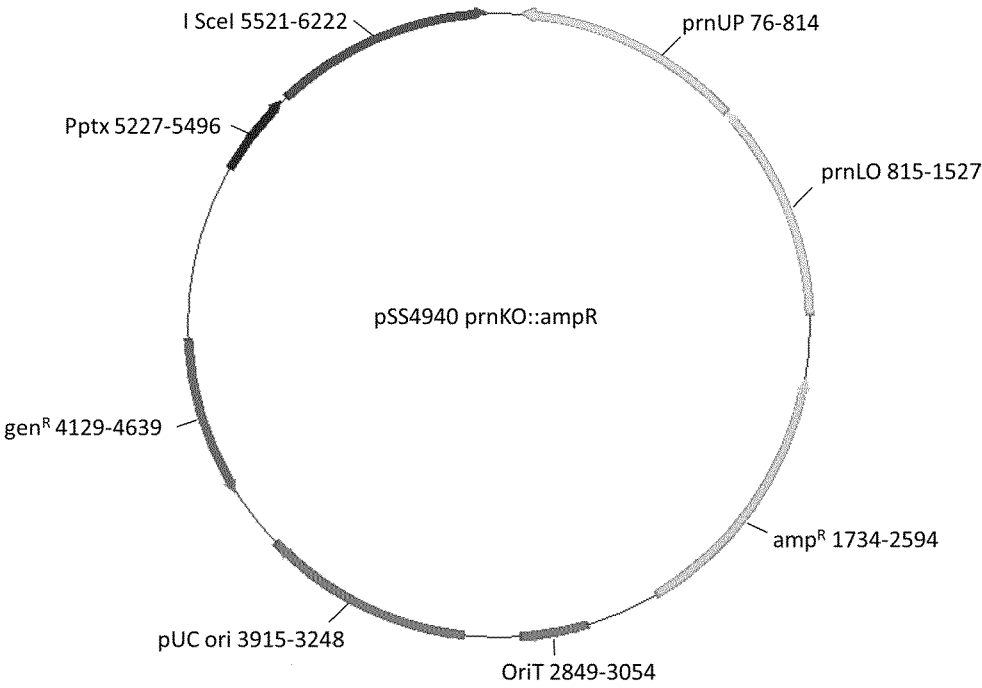
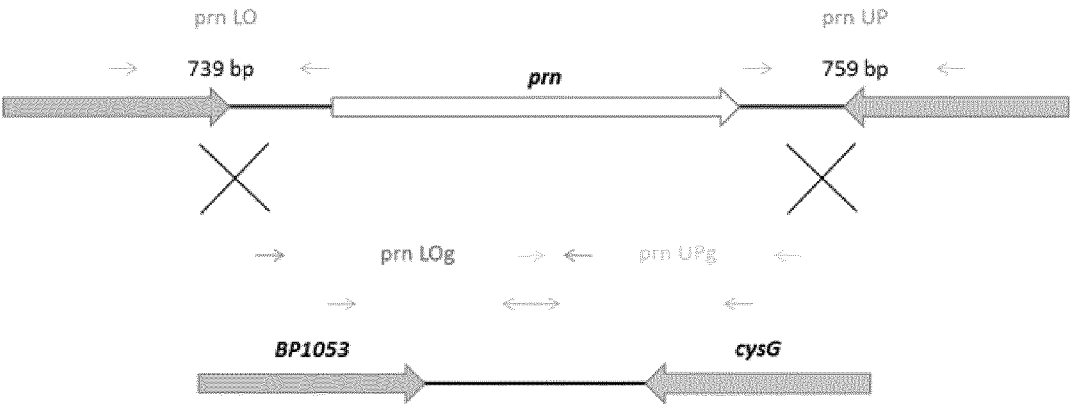


FIG. 1 A



BPZE1P construction PCR

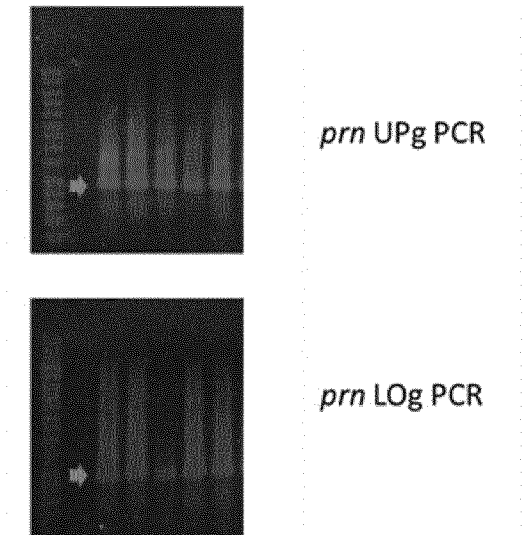
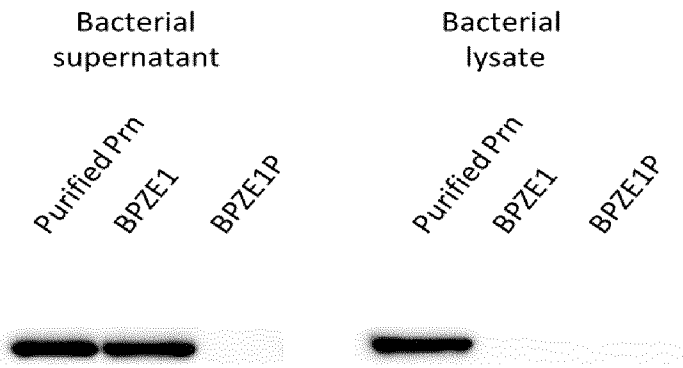


FIG. 1B

FIG. 1C



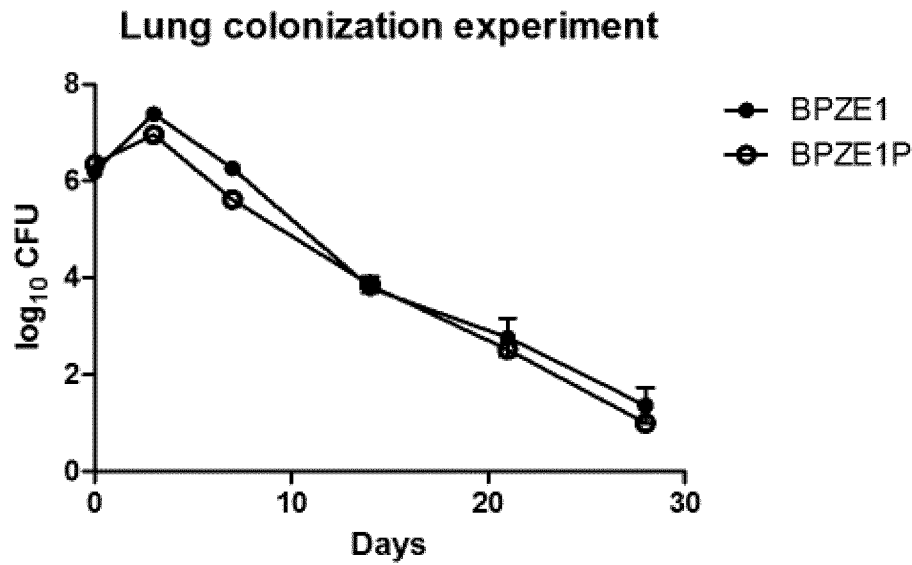


FIG. 2

Antibody titration against Bordetella total lysate

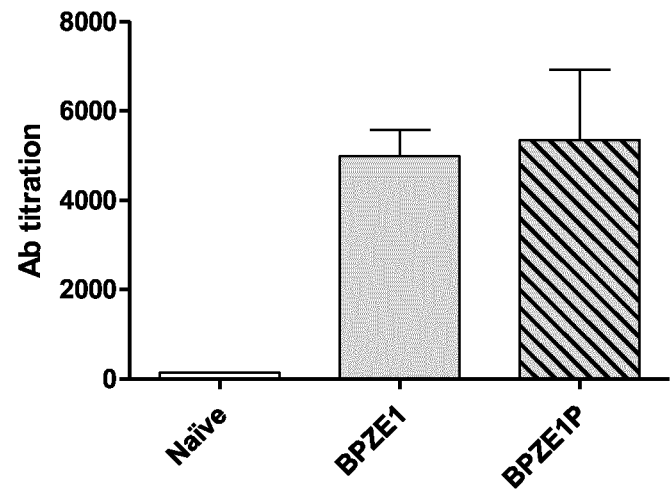


FIG. 3

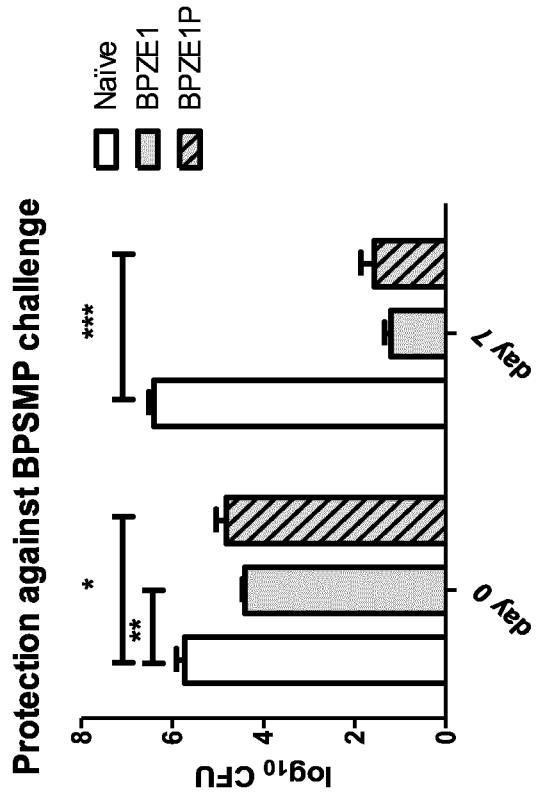


FIG. 4B

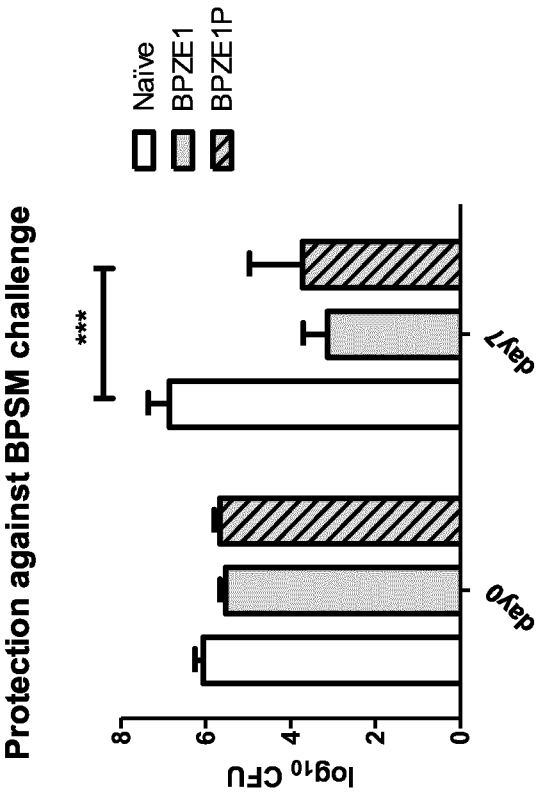


FIG. 4A

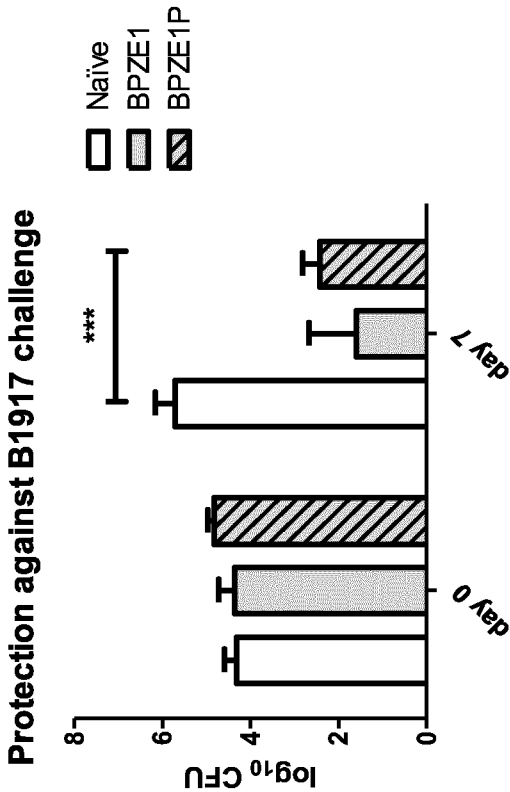


FIG. 4C

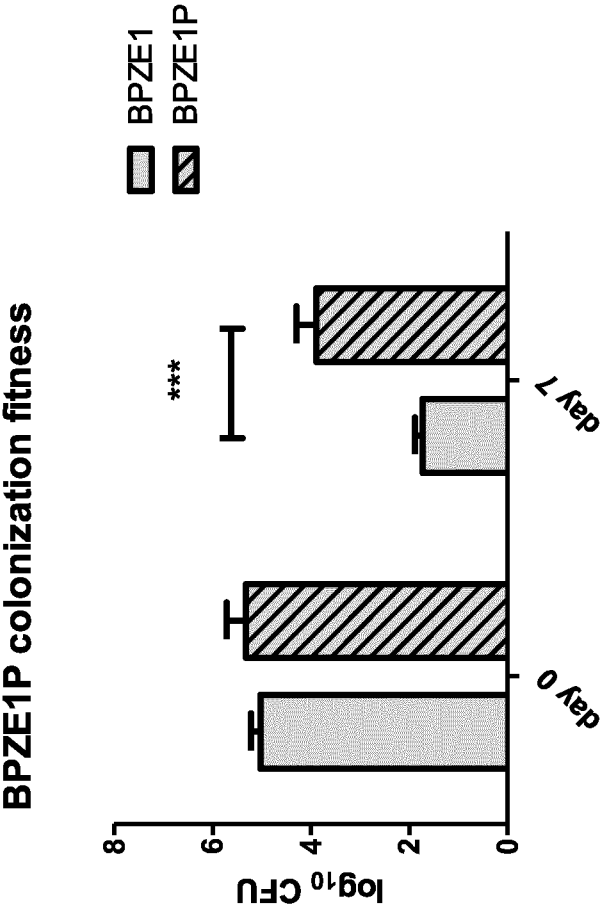


FIG. 5

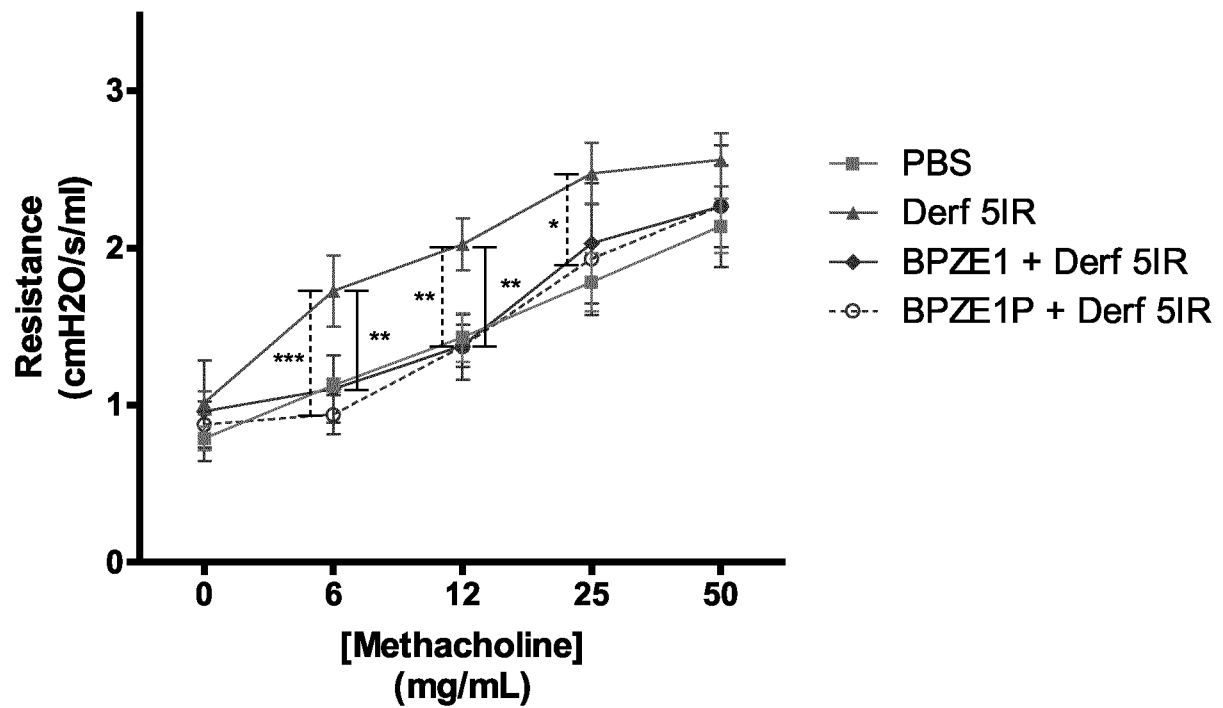
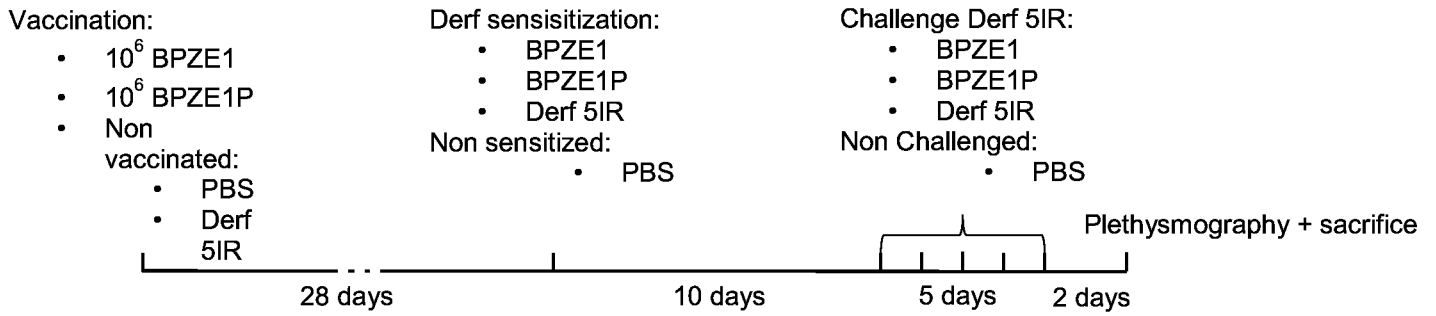


FIG. 6

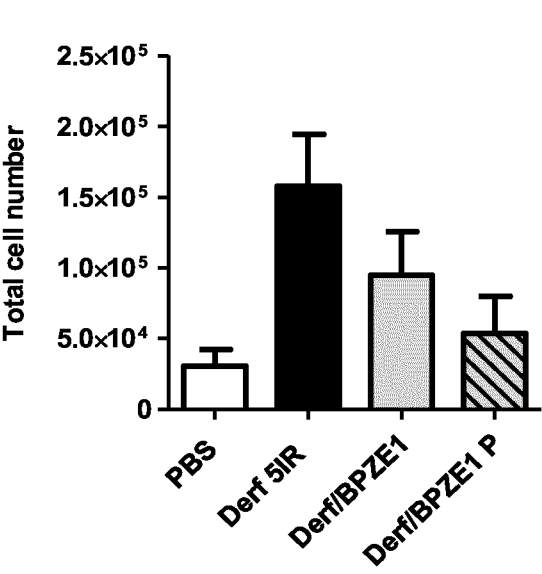


FIG. 7A

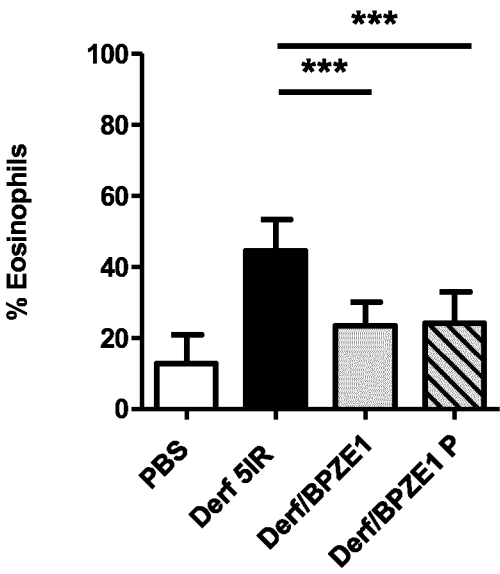


FIG. 7B

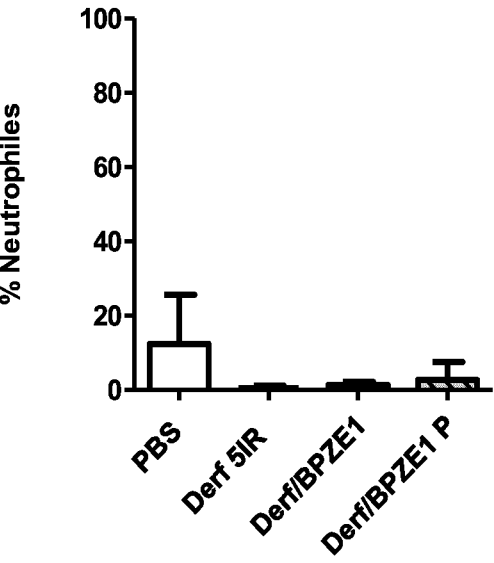


FIG. 7C

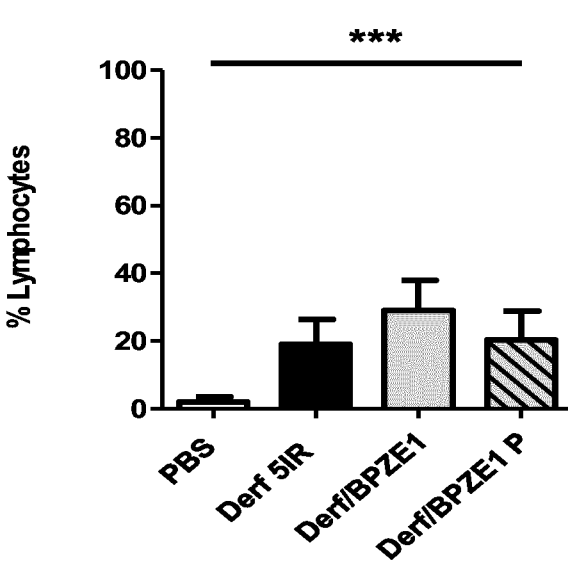


FIG. 7D

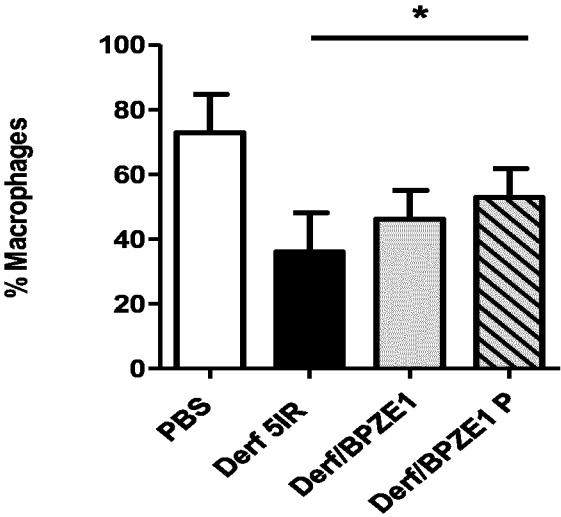


FIG. 7E

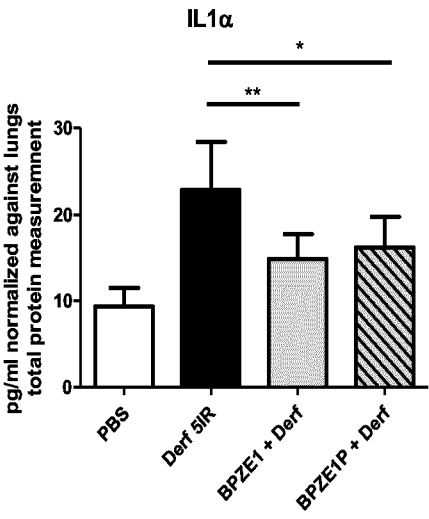


FIG. 8A

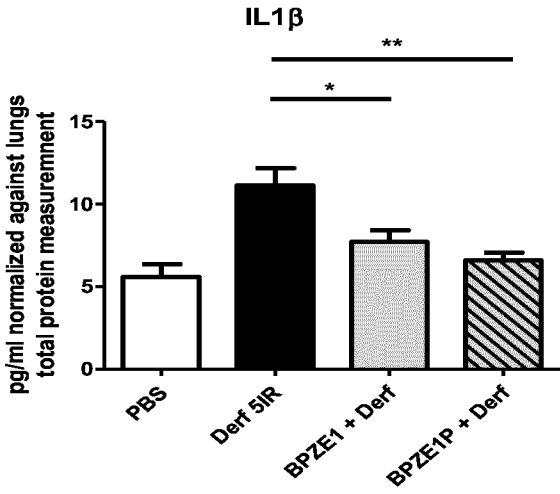


FIG. 8B

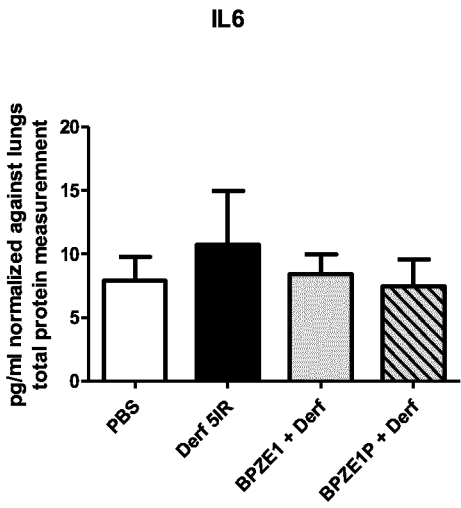


FIG. 8C

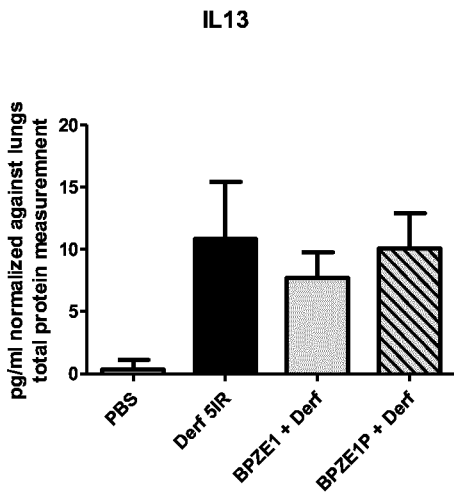


FIG. 8D

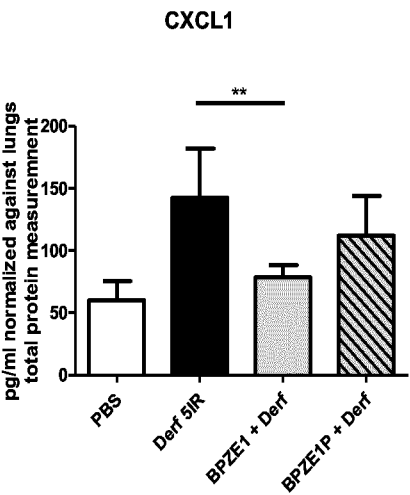


FIG.8E

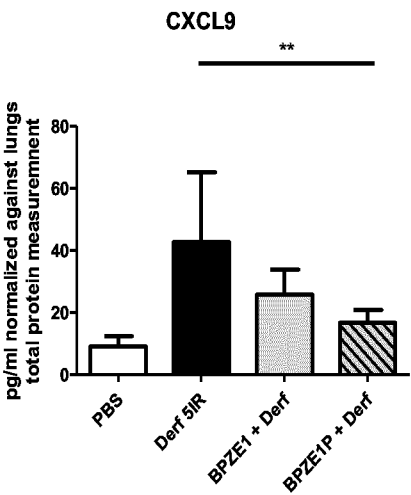


FIG. 8F

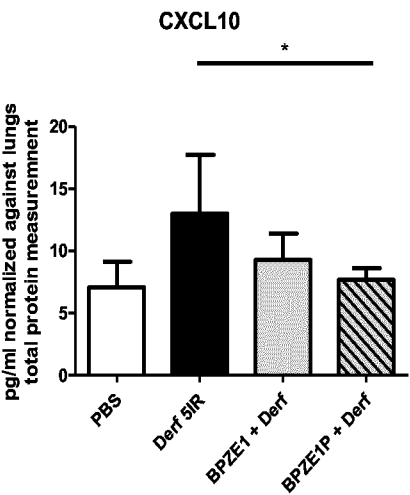


FIG. 8G

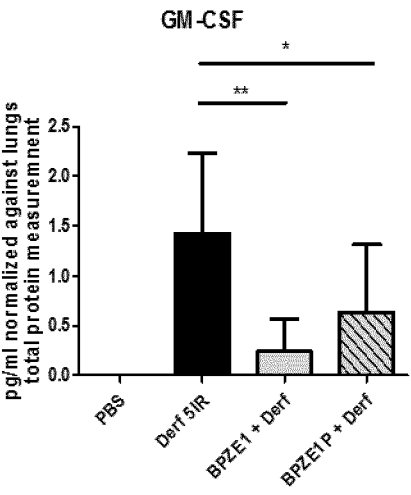


FIG. 8H

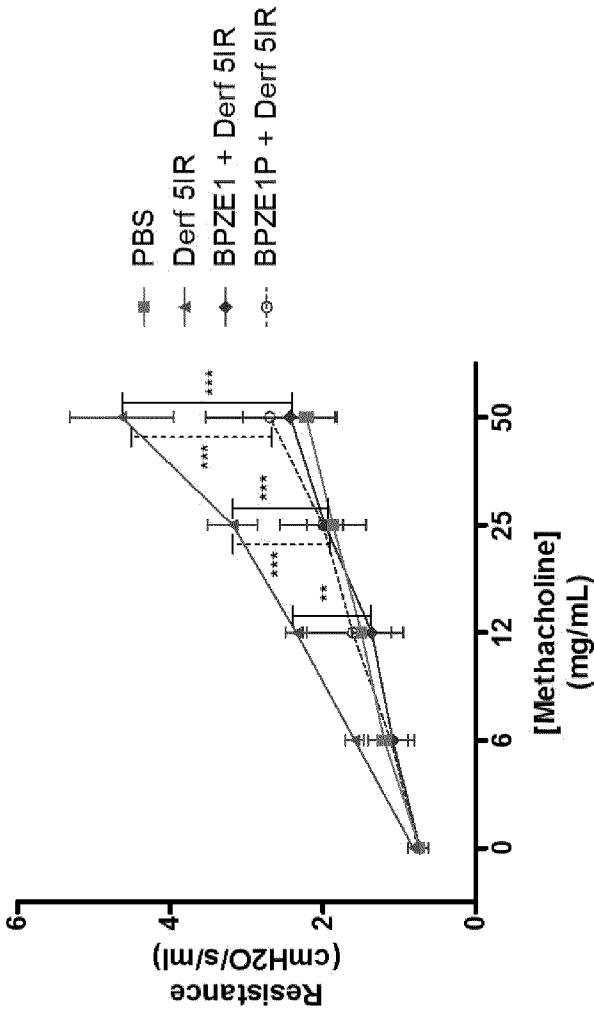
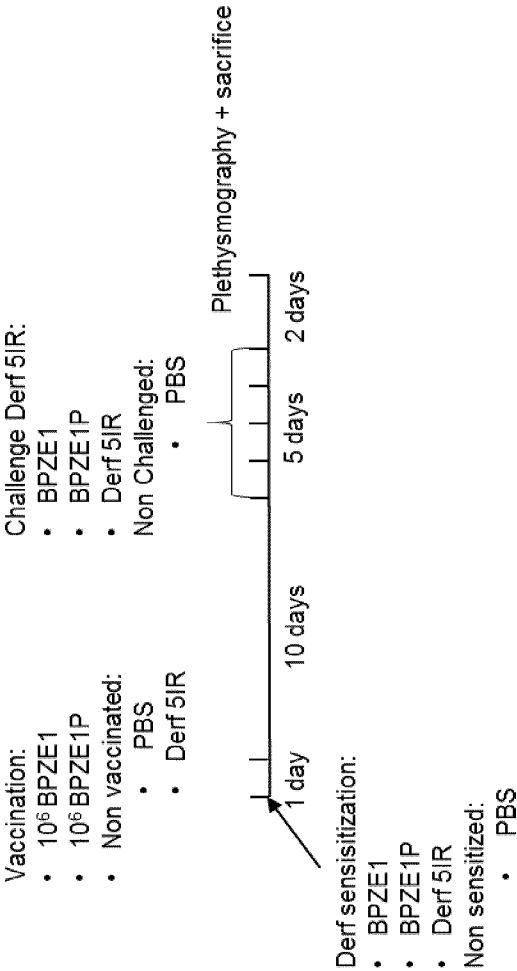


FIG. 9