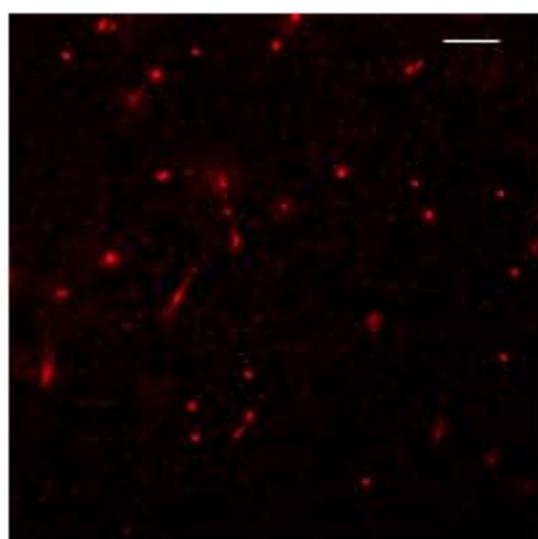
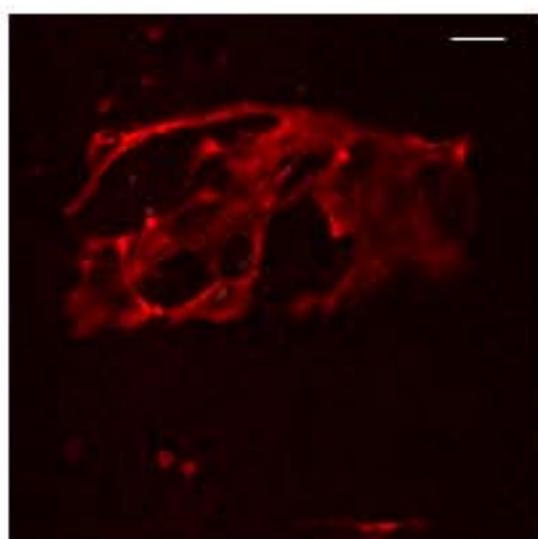


Supplemental Fig. S1

a MCETs Induced by Purified M1 Protein

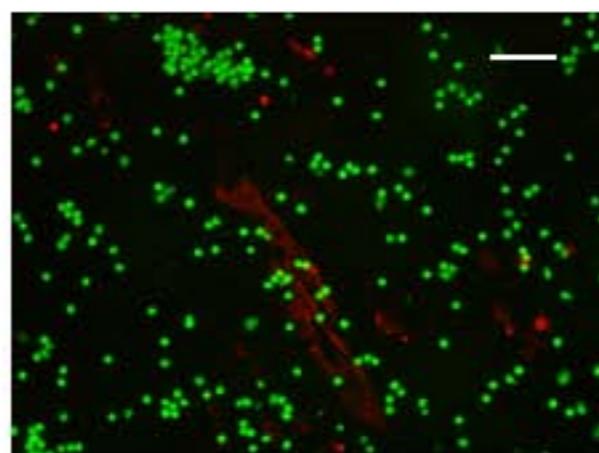


2% Fetal Calf Serum

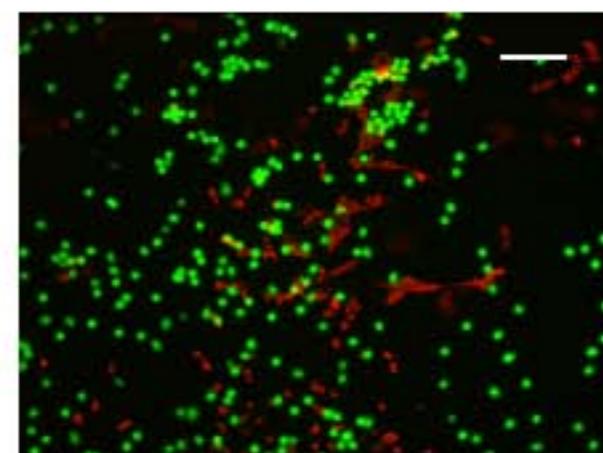


2% Human Plasma

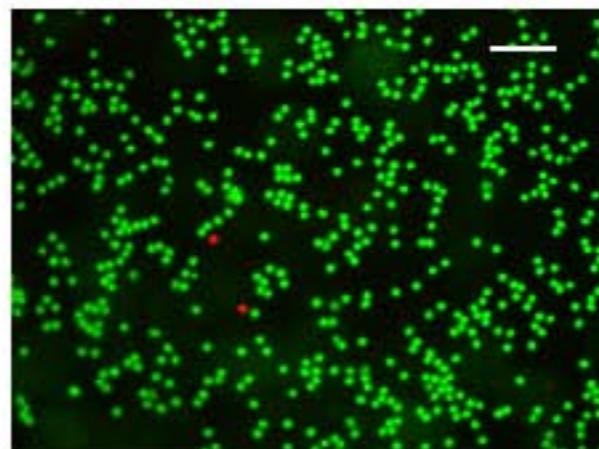
b Effect of Cytochalasin D on NET Formation



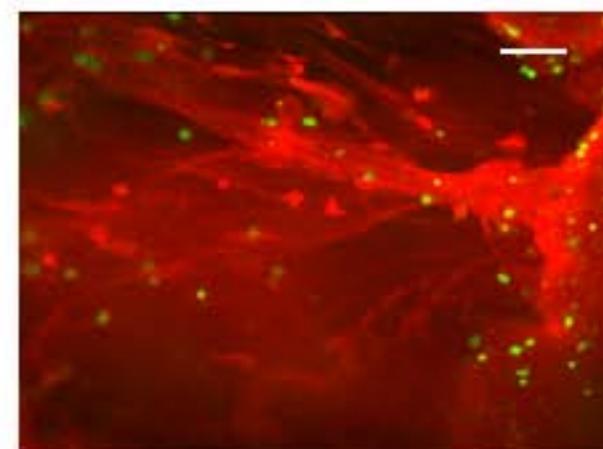
GAS + Cyt D



GAS w/o Cyt D



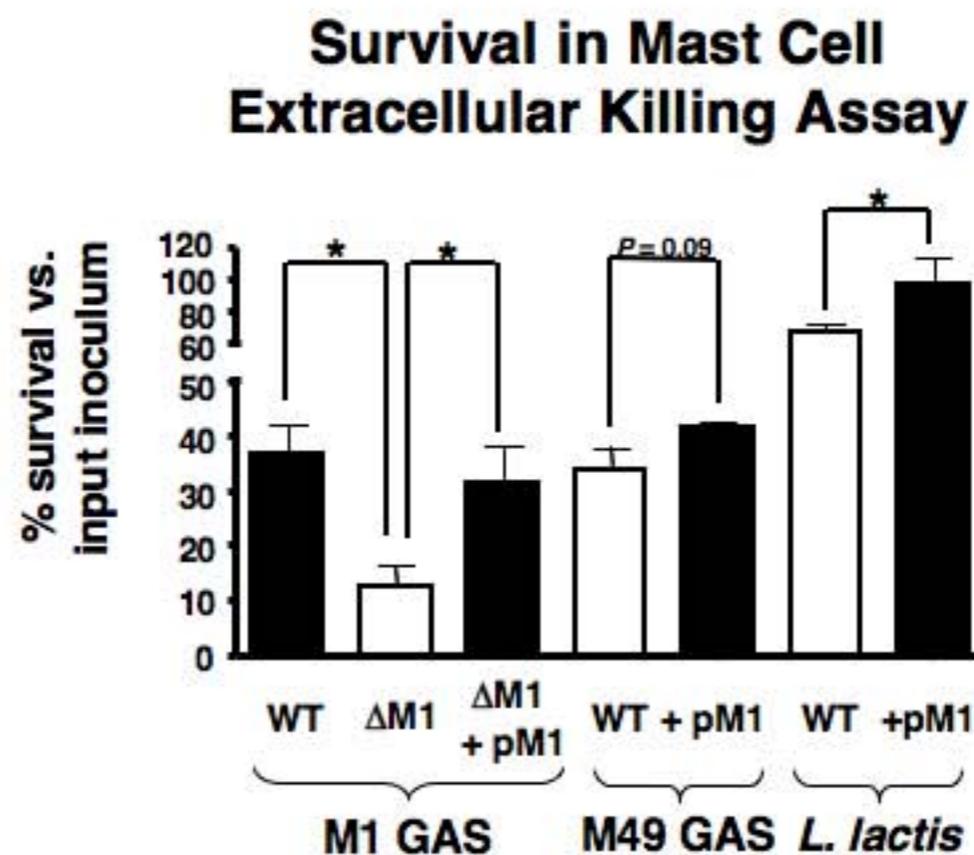
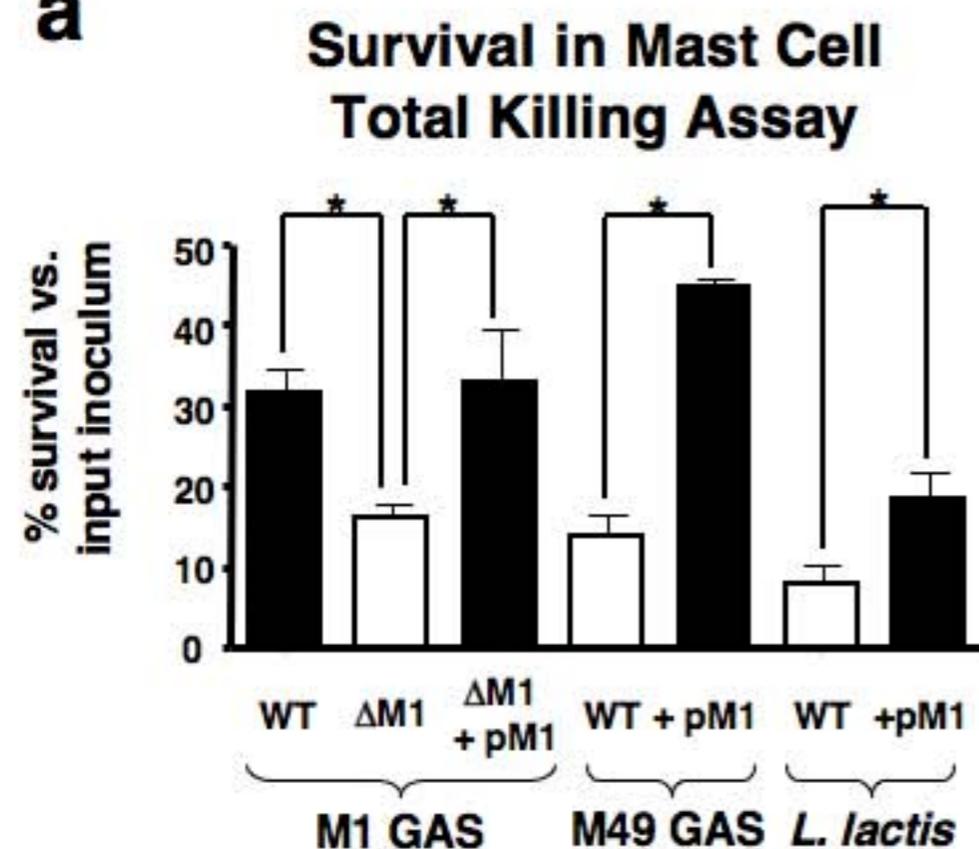
Cyt D w/o GAS



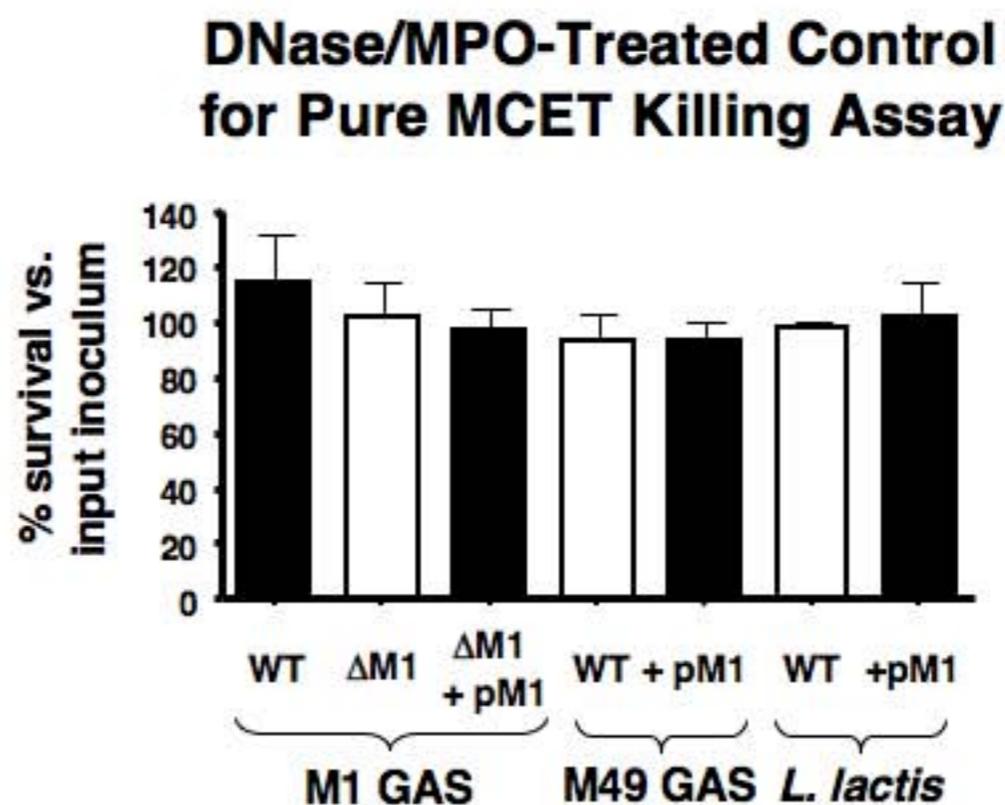
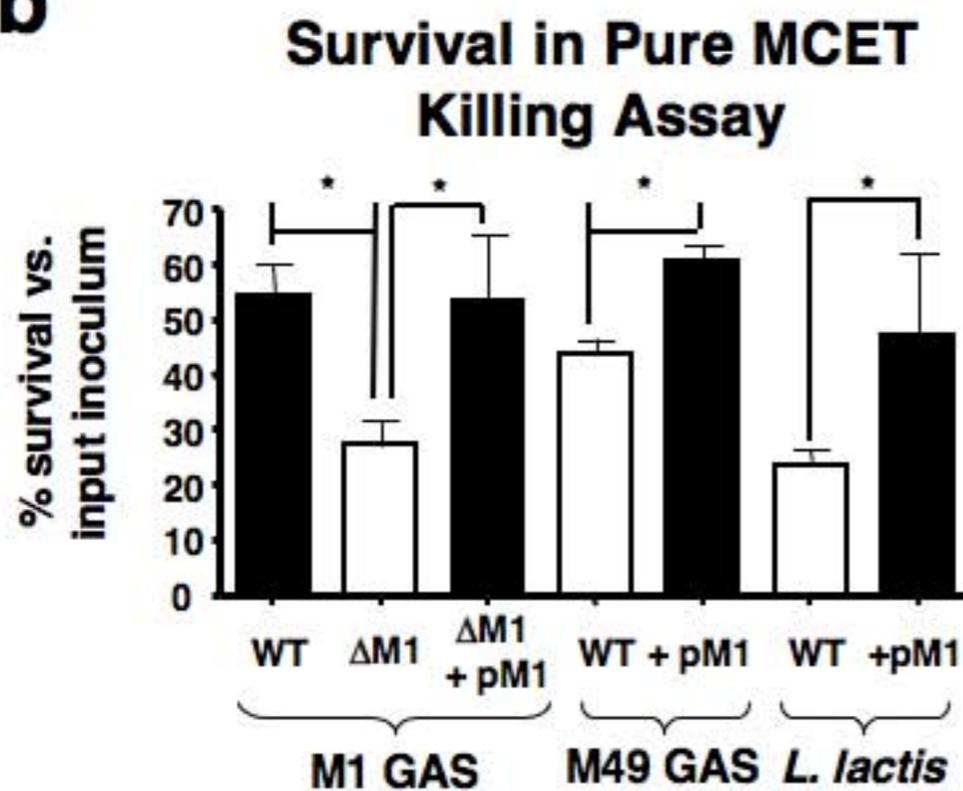
PMA 4 hours

Supplemental Fig. S2

a



b



Supplemental Material for:**M1 Protein Allows Group A Streptococcal Survival in Phagocyte Extracellular Traps Through Cathelicidin Inhibition**

Xavier Lauth^{a,f*}, Maren von Köckritz-Blickwede^{a*}, Case W. McNamara^b,
Sandra Myskowski^a, Annelies S. Zinkernagel^a, Bernard Beall^e, Partho Ghosh^b,
Richard L. Gallo^{a,c,f}, and Victor Nizet^{a,d,g}

Supplemental Fig. S1. *Aspects of in vitro assay conditions for extracellular trap formation.* (a)

Formation of extracellular traps by a human mast cell line is increased in the presence of 2% human plasma when compared to 2% fetal calf serum. (b) Cytochalasin D, an inhibitor of phagocytosis, does not impair GAS-induced neutrophil extracellular trap (NET) formation. Phorbol myristate acetate (PMA) produces maximal NET formation as utilized in pure NET killing assays.

Supplemental Fig. S2. *GAS M1 protein contributes to GAS resistance to killing in mast cell extracellular traps (MCETs).* (a)

M1 protein contributes to bacterial survival in a total (intracellular + extracellular) mast cell killing assay. (b) M1 protein promotes bacterial resistance to mast cell extracellular killing when phagocytic uptake is inhibited with cytochalasin D (10 μ g/ml). (c) Mast cells were prestimulated with 25 nM PMA for 4 h before infection to induce maximal trap formation and to avoid phagocytosis. Note that M1 contributes to GAS survival and increases *Lactococcus lactis* survival upon 30 min cocubation with MCETs. As control, the cells were treated with 100 U/ml DNase + 1 μ mol myeloperoxidase to disrupt extracellular trap formation before infection, which completely abolished the killing of bacteria by extracellular traps. Experiments were performed in triplicate and repeated three times with similar results. One representative result is shown \pm standard deviation. * $P < 0.05$ by t-test.