**Materials and Methods S1**

**Quanti Blue Assay -** The mouse macrophage cell line RAW-Blue (InvivoGen) derived from RAW 264.7 cells was cultured in Dulbecco´s modified Eagle medium (DMEM; PAA-Laboratories) supplemented with 10% (v/v) heat-inactivated fetal bovine serum (FBS) (Invitrogen) and 1% (v/v) Antibiotic-Antimycotic solution (AAS) (Invitrogen) and 200 μg/ml Zeocin (InvivoGen). RAW-Blue (1×106 /ml) in phenol red-free DMEM supplemented with 10% (v/v) FBS and 1% (v/v) AAS were seeded in 96-wells tissue culture plates (Nunc). Following 20 h of incubation to allow adherence, cells were stimulated with recombinant mouse TNF-α (10 ng/ml) (eBioscience), zymosan (25 μg/ml) (Sigma-Aldrich) or ODN1826(100 ng/ml) (Invivogen), with or without the addition of GKY25. Cell activation was determined after 20 h of incubation by using the Quanti-BlueTM assay according to the manufacturers instructions (Invivogen).