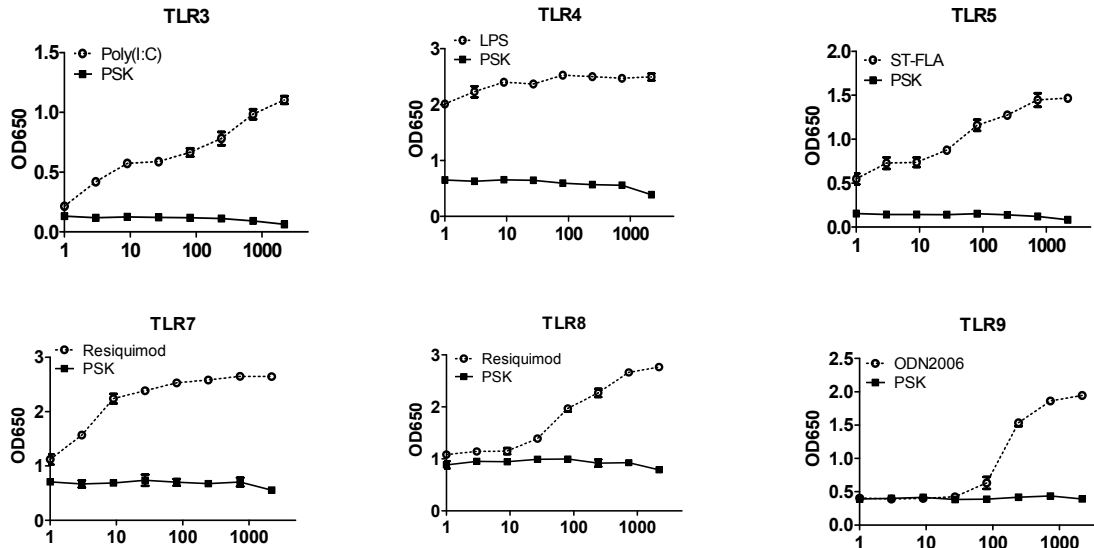


Supplemental Figure 1



Supplemental Figure 1. Screening of TLR agonist activity using HEK-TLR transfectants showed that PSK does not activate TLR3, 4, 5, 7, 8, and 9. HEK-293 cells transfected with various TLRs were stimulated with PSK (0.5-1500 $\mu\text{g}/\text{ml}$) or the known agonist for each TLR as positive control. PSK and the control TLR agonist were added at 1:3 serial dilution with the lowest dose expressed as 1 arbitrary unit. The solid line with ■ represents the SEAP activity (OD650nm) in PSK-treated culture wells (mean \pm sem of triplicate wells). The dotted line with ○ represents the SEAP activity in positive control TLR agonist-treated wells. Each line graph shows the result from a specific TLR screening assay. Arbitrary unit: PSK 1 unit = 0.5 $\mu\text{g}/\text{mL}$; Poly(I:C) 1 unit = 0.00457 $\mu\text{g}/\text{mL}$; LPS 1 unit = 0.05 ng/mL ; ST-FLA 1 unit = 0.00457 $\mu\text{g}/\text{mL}$; Resiquimod 1 unit = 0.0216 μM ; ODN2006 1 unit = 0.00229 μM .