**Supplementary Figure 4**



The figure shows the impact of miR-164a rs2910164 polymorphism on monocyte release of IL-6 following ex-vivo whole blood stimulation by either E. Coli K12 LPS (200ng/ml final), Pam3CSK4 (10μg/ml final), Pam3CSK4 (20μg/ml final) + MDP (200μg/ml final), TLA4e/AF04 (400ng/ml final), or heat-killed Spn (1×108 cfu/ml). Gray histograms represent homozygous wild type individuals, dashed histograms represent heterozygous, and white histograms represents homozygous mutant. Upper borders of histograms denote mean and solid horizontal lines denote standard error on the mean (SEM). The dashed lines represent the limit detection threshold (250 pg/ml). IL-6 secretion is expressed in pg/ml for 104 monocytes. Number of children per histogram is provided in Table 4. \* P < 0.05; \*\* P < 0.01; \*\*\* P < 0.001; \*\*\*\* P < 0.0001 by Mann-Whitney test. LRTI: Lower Respiratory Tract Infections.