

Online Supplemental Results

Lower limits of detection for the multiplexing assay were as follows: IL-1 β =0.21 pg/mL, IL-6=1.28 pg/mL, TNF- α =1.79 pg/mL, IL-2=0.49 pg/mL, IL-4=0.24 pg/mL, IL-5=0.54 pg/mL, IL-13=1.89 pg/mL, IL-10=0.63 pg/mL, IFN- γ =4.22 pg/mL. The percentage of below detection samples were as follows: PMA/INO IL-2=0%, PMA/INO IL-4=0%, PMA IL-5=0%, PMA/INO IL-13=0%, PMA/INO IL-10=0.7%, PMA/INO IFN- γ =0%, LPS IL-1 β =0%, LPS IL-6=0%, LPS TNF- α =0%, ODN IL-1 β =4.9%, ODN IL-6=0%, ODN TNF- α =0%, CR IL-2=0.68%, CR IL-4=6.8%, CR IL-5=0.68%, CR IL-13=10.2%, CR IL-10=0%, CR IFN- γ =0.68%, DM IL-2=1.37%, DM IL-4=7.53%, DM IL-5=2.74%, DM IL-13=0.68%, DM IL-10=0.68%, DM IFN- γ =0.68%, PMA/INO+Cort IL-2=0%, PMA/INO+Cort IL-4=0%, PMA/INO+Cort IL-5=0%, PMA/INO+Cort IL-13=0%, PMA/INO+Cort IL-10=0.72%, PMA/INO+Cort IFN- γ =0%.

Below are regression tables for SES with individual cytokine values.

	Prestige SES	Resource SES
	β	β
Nonspecific stimulation		
PMA/INO: Th-1		
IFN- γ	-.052	-.150+
IL-10	-.054	-.189*
PMA/INO: Th-2		
IL-2	-.066	-.154+
IL-4	-.059	-.191*
IL-5	-.001	-.135
IL-13	-.071	-.199*

Innate immune stimulation		
LPS: pro-inflammatory		
IL-1 β	-.054	.113
IL-6	-.041	.086
TNF- α	-.038	.041
ODN: pro-inflammatory		
IL-1 β	-.132	-.142
IL-6	-.117	-.227*
TNF- α	-.202*	-.218*
Adaptive immune stimulation		
Cockroach: Th-1		
IFN- γ	.014	-.069
IL-10	.031	-.100
Cockroach: Th-2		
IL-2	.046	.003
IL-4	.037	.106
IL-5	-.050	.027
IL-13	-.002	-.061
Dustmite: Th-1		
IFN- γ	-.004	-.069
IL-10	.062	.112
Dustmite: Th-2		
IL-2	.125	.023
IL-4	.082	.130
IL-5	.030	.055
IL-13	.040	-.010
Glucocorticoid sensitivity		
PMA/INO + Cort: Th-1		
IFN- γ	.043	-.135
IL-10	-.022	-.225*
PMA/INO + Cort: Th-2		
IL-2	-.026	-.087
IL-4	.011	-.220*
IL-5	.048	-.165+
IL-13	-.005	-.209*

Note: +p<.10. *p<.05. All analyses control for child age, gender, ethnicity, use of beta agonists, and use of inhaled corticosteroids.