

***Glutathione-S-Transferase M1 and P1 Prevent Aggravation of Allergic
Responses by Secondhand Smoke***

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David Diaz-Sanchez, Ph.D.

ONLINE DATA SUPPLEMENT

ONLINE REFERENCES

E1. Gilliland FD, Li YF, Saxon A, Diaz-Sanchez D. Effect of glutathione-S-transferase M1 and P1 genotypes on xenobiotic enhancement of allergic responses: randomised, placebo-controlled crossover study. *Lancet* 2004; 363:119-125.

FIGURE LEGENDS

Figure E1. Nasal allergen-specific IgE, IL-4, histamine and IFN- γ response post clean air plus allergen and SHS plus allergen by *GSTM1* genotype

Legend: x *GSTM1* null o *GSTM1* present

Figure E2. Nasal allergen-specific IgE, IL-4, histamine and IFN- γ response post clean air plus allergen and SHS plus allergen by *GSTP1* genotype

Legend: x *GSTP1*(Ile/Val) o *GSTP1* (Ile/Ile)

Figure E3. Effects of *GSTM1* genotype on differences (Δ) in nasal allergic responses between clean air plus allergen and secondhand smoke (SHS)/DEP exposure plus allergen (level after secondhand smoke (SHS)/DEP exposure plus allergen minus level after clean air plus allergen). The data concerning DEP have been published previously (E1).

Figure E4. Effects of *GSTP1* genotype on differences (Δ) in nasal allergic responses between clean air plus allergen and secondhand smoke (SHS)/DEP exposure plus allergen (level after secondhand smoke (SHS)/DEP exposure plus

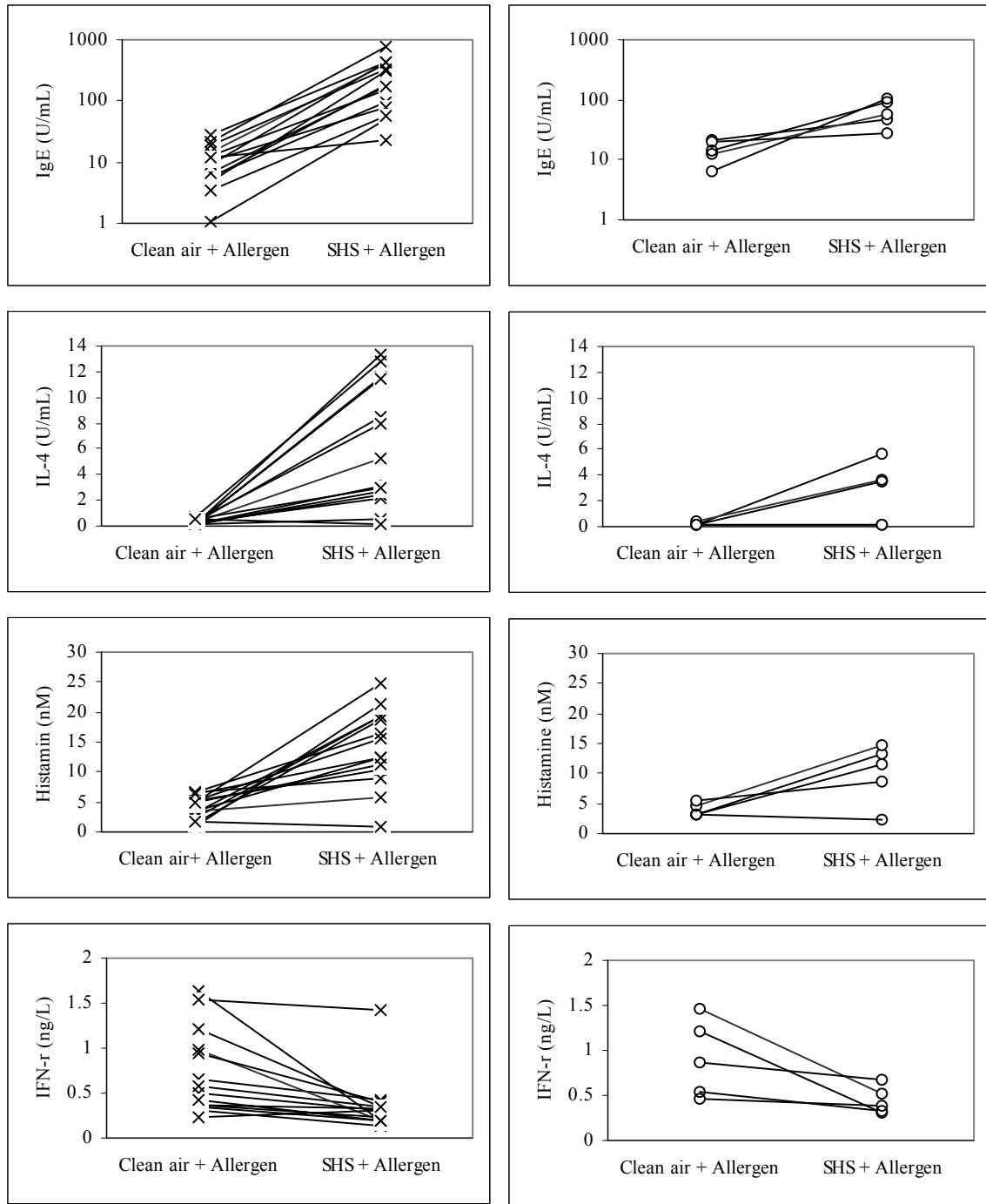
allergen minus level after clean air plus allergen). The data concerning DEP have been published previously (E1).

Table E1. Nasal allergen-specific histamine and IFN- γ response post clean air or SHS*

	Histamine (nM)			IFN- γ (ng/L)		
	Placebo	SHS	differences (Δ)	Placebo	SHS	differences (Δ)
Mean	0.73	0.64	-0.09	0.93	0.95	0.02
Median	0.58	0.62	-0.06	0.71	0.84	0.05

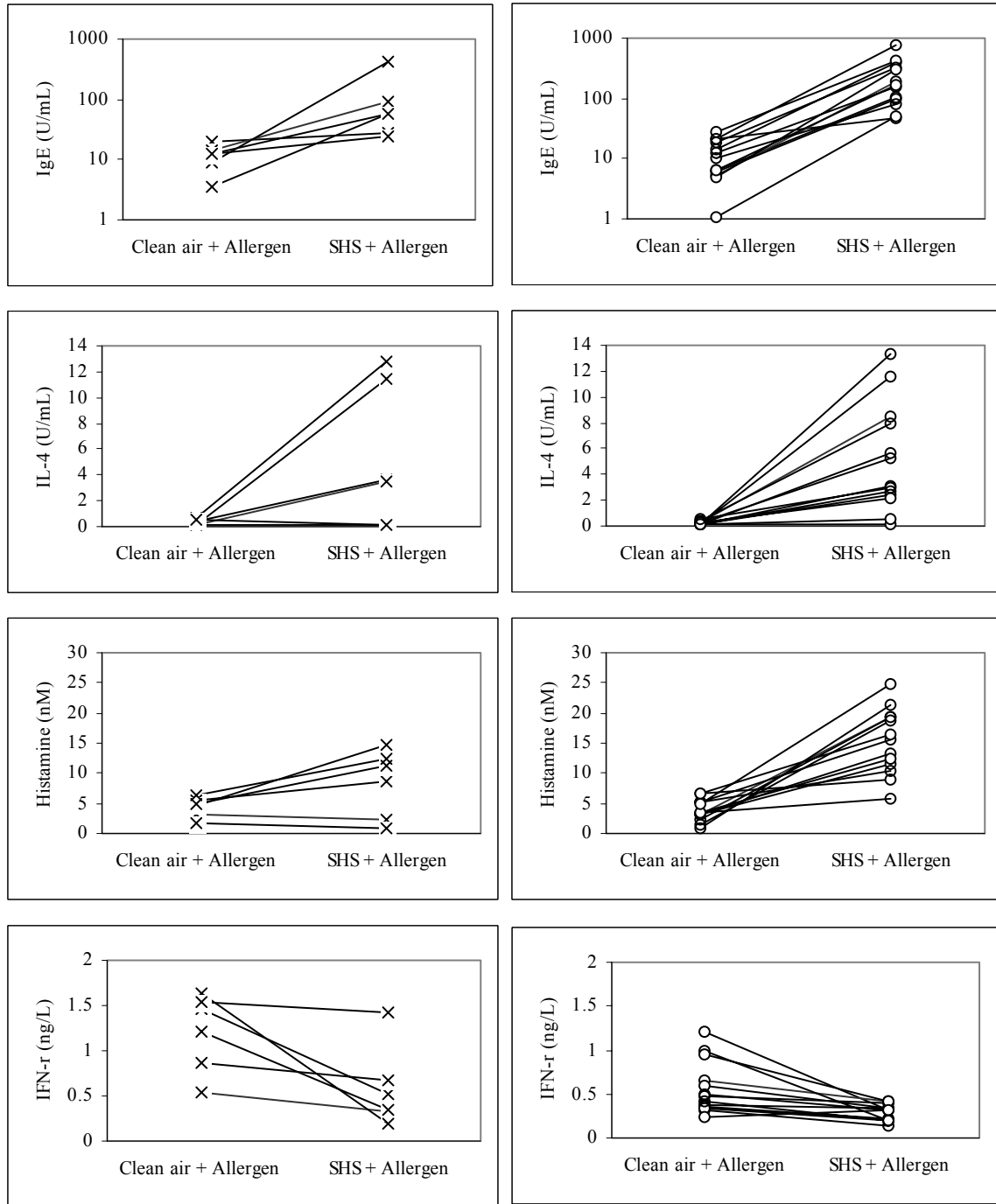
*Allergen specific IgE and IL-4 were below the limits of detections

Figure E1.



Legend: x *GSTM1* null o *GSTM1* present

Figure E2.



Legend: x *GSTP1(Ile/Val)* o *GSTP1(Ile/Ile)*

Figure E3.

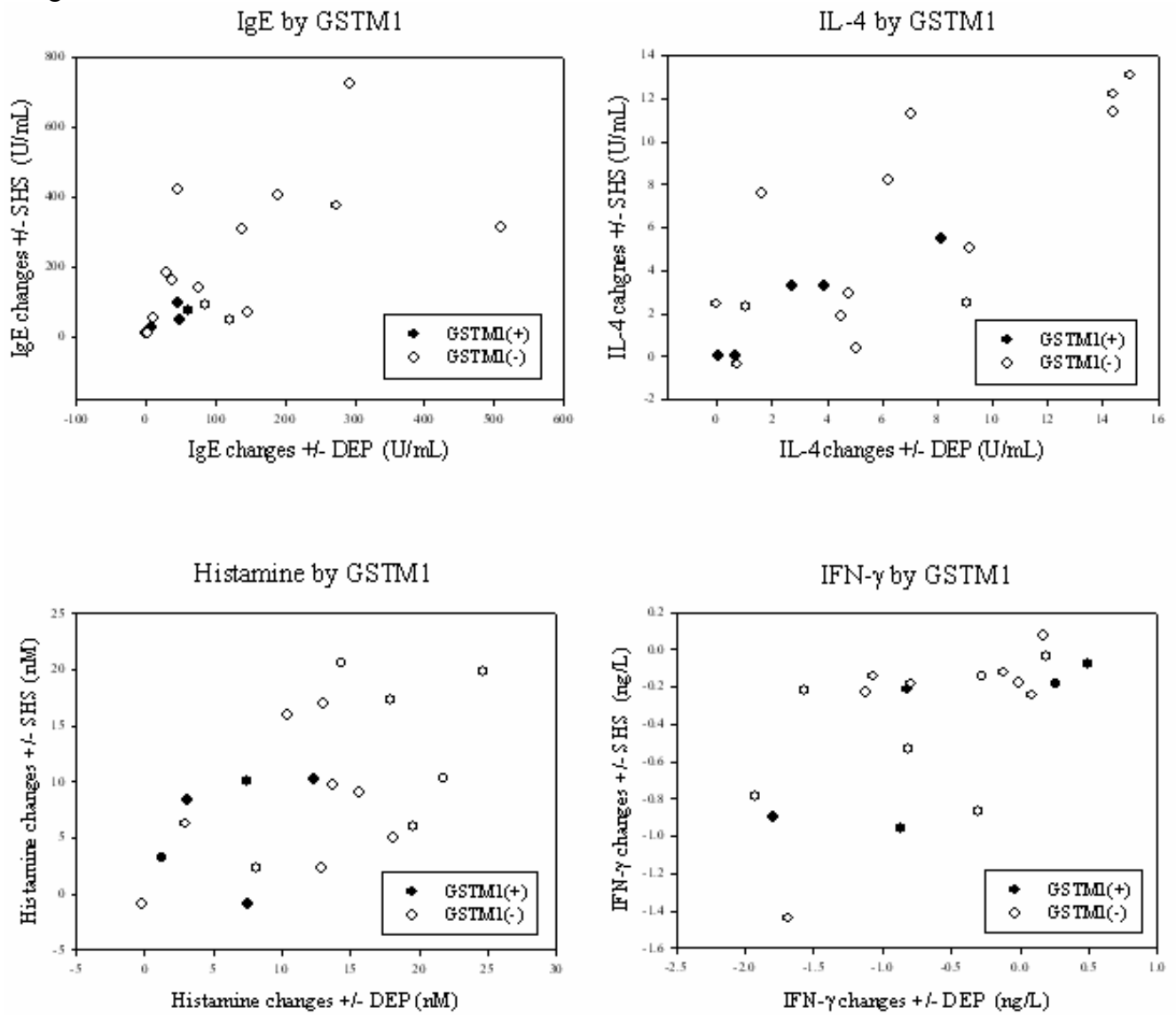


Figure E4.

