Supplemental Table: Interactions of *HMOX1* and *GST* polymorphisms and decline in PM10 on the change in the product of **FVC * FEF$_{25-75}$** in the whole study population

Gene Polymorphism			Effect of a 10μg/m³ decrease in PM10 over 10.92 years (mean follow-up) on change in the product of FEF25-75 * FVC (L²/s) 1		
			Estimate	**95%-confidence interval**	
Heme Oxygenase-1 **Single Nucleotide Polymorphisms**					
	allele	*N*			
HMOX rs2071746	AA	1401	0.8	0.3 to 1.3	
	AT	2089	0.9	0.4 to 1.4	
	TT	763	0.8	0.1 to 1.4	
HMOX rs735266	AA	1669	0.6	0.1 to 1.1	
	AT	2022	1.0	0.5 to 1.6	
	TT	595	0.7	-0.1 to 1.5	
HMOX rs5995098	CC	2021	0.6	0.2 to 1.1	
	CG	1876	1.1	0.6 to 1.6	
	GG	427	0.7	-0.2 to 1.6	
Heme Oxygenase-1 **Haplotypes[2]**					
	No of alleles	*N*			
Haplotype 1 (AAC)	*0*	798	0.8	0.1 to 1.4	
	1	2178	0.9	0.4 to 1.4	
	2	1389	0.7	0.2 to 1.3	
Haplotype 3 (ATC)	*0*	3925	0.9 [a]	0.5 to 1.3	
	1	431	0.0	-0.9 to 0.8	
	2	9	4.5	-0.8 to 9.9	
Haplotype 7 (TTC)	*0*	3873	0.8	0.4 to 1.2	
	1	478	0.7	-0.2 to 1.5	
	2	14	1.4	-1.2 to 4.1	
Haplotype 8 (TTG)	*0*	2057	0.6	0.2 to 1.1	
	1	1895	1.1	0.5 to 1.6	
	2	413	0.7	-0.2 to 1.6	
Heme Oxygenase-1 **Promoter Repeat Polymorphism**					
	long allele (>=33 repeats)	*N*			
HMOX (GT)$_n$	*no*	3919	0.7 [b]	0.3 to 1.2	
	yes	446	1.4	0.6 to 2.2	
Glutathione S-Transferase **Polymorphisms**					
	complete deletion / allele	*N*			
GSTM1 deletion[3]	*no*	2032	0.8	0.3 to 1.3	
	yes	2319	0.8	0.3 to 1.3	
GSTT1 deletion[3]	*no*	3554	0.9	0.5 to 1.3	
	yes	797	0.4	-0.3 to 1.1	
GSTP1 Val/Ile Polymorphism	*Ile / Ile*	2061	0.9	0.4 to 1.3	
	Ile/Val	1892	0.5	0.0 to 1.1	
	Val/Val	401	1.5 [c]	0.6 to 2.4	

a $p_{interaction}$=0.038 under dominant genetic model
b $p_{interaction}$=0.104
e $p_{interaction}$=0.072 under recessive genetic model

[1] Positive values represent attenuations of the decline in the product of FEF$_{25-75}$ * FVC compared to a reference group experiencing no air pollution reduction.
[2] Determined from rs2071746, rs735266 and rs5995098 SNPs (in this sequence) using PHASE software v2.1
[3] Deletion means homozygous gene deletion (null vs. non-null)