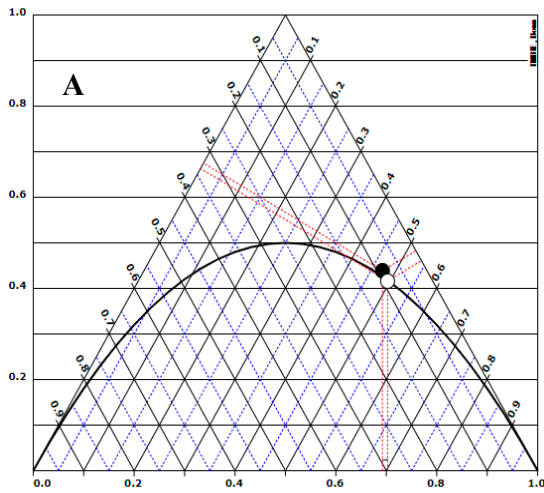
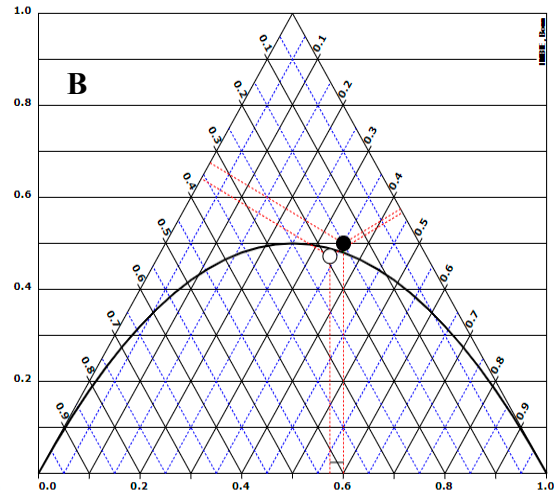


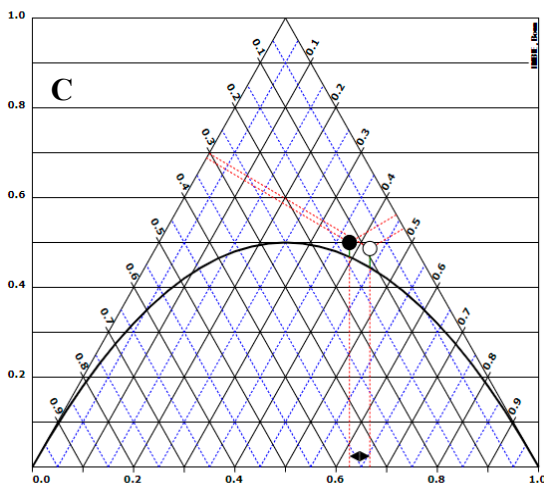
De Finetti diagramm for *rs13296*



De Finetti diagramm for *rs2070908*



De Finetti diagramm for *rs13296*



De Finetti diagramm for *rs2070908*

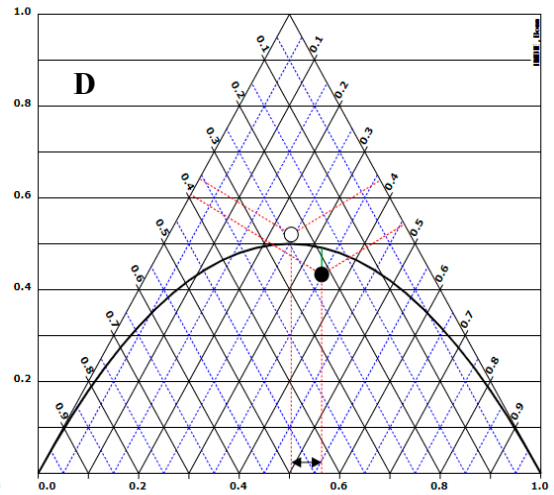


Figure S1. De Finetti plots representing HWE for smoker's comparison (A and B) and biomass exposed (C and D). White dots represent controls (SWOC or BBES) and black dots represent cases (COPD-S or COPD-BBS).

Table S1. Frequency of rs2070908 in different population in America.

	BBES (n=625, %)	SWOC (n=444, %)	MXL (n=64, %)	CLM (n=94, %)	PEL (n=85, %)	PUR (n=104, %)	p‡	p†	p*	p§	p#
rs2070908/HSP90B1											
CC	23.6	33.8	39.1	38.3	17.6	31.7	0.04	0.01	<0.01	0.29	0.11
CG	52.0	47.2	48.4	41.5	48.2	54.8	0.14	0.68	0.08	0.6	0.69
GG	24.3	19.0	12.5	20.2	34.1	13.5	<0.01	0.05	0.47	0.08	0.02
C	49.7	57.4	63.3	59.0	41.8	59.1	<0.01	<0.01	0.02	0.07	0.02
G	50.3	42.6	36.7	41.0	58.2	31.7					

MXL: Mexican ancestry in Los Angeles, CLM: Colombian in Medellin, PEL: Peruvian in Lima, PUR: Puerto Rican in Puerto Rico. p value was calculated by χ^2 exact test and $p < 0.05$ was considered as significant.

‡ BBES vs. SWOC

† BBES vs. MXL

* BBES vs. CLM

§ BBES vs. PEL

BBES vs. PUR

Table S2. Allele and genotype comparison for severity in biomass smoke exposed group

Allele and genotype comparison for severity in biomass smoke exposed group						
	GOLD 3+4 (n=23)		GOLD 1+2 (n=122)		p	OR IC (95%)
rs13296						
AA	34.8	37.7				(Ref)
AG	47.8	53.3	0.48	0.88		(0.32-2.41)
GG	17.4	9.0		2.09		(0.53-8.22)
A	58.7	64.3	0.57	0.78		(0.41-1.49)
G	41.3	35.7		1.27		(0.66-2.41)
rs2070908						
GG	17.4	28.7				(Ref)
GC	47.8	47.5	0.18	1.66		(0.49-5.61)
CC	34.8	23.8		2.41		(0.66-8.83)
G	41.3	52.5	0.22	0.64		(0.33-1.21)
C	58.7	47.5		1.57		(0.86-2.97)

OR: odds ratio, CI: confidence interval. p value was calculated by Fisher's exact test and $p < 0.05$ was considered as significant.