

Supplementary Table 1. Association between Lung Cancer and Exposure to Endotoxins stratified by Histology

	<i>Squamous Cell</i>			<i>Small Cell</i>			<i>Adenocarcinoma</i>			<i>Large cell carcinoma</i>			P-value Homogeneity
	Controls N	Cases N	OR^a 95%CI	Cases N	OR^a 95%CI	Cases N	OR^a 95%CI	Cases N	OR^a 95%CI	Cases N	OR^a 95%CI		
Exposure to Endotoxins													
<i>Never^b</i>	2895	726	1.00 Reference	358	1.00 Reference	1008	1.00 Reference	201	1.00 Reference				
<i>Ever^c</i>	660	180	0.92 [0.72-1.17]	71	0.78 [0.56-1.1]	137	0.65 [0.51-0.83]	45	1.13 [0.76-1.66]				0.06
<i>Weakly</i>	310	107	1.18 [0.87-1.6]	47	0.99 [0.66-1.5]	99	0.96 [0.72-1.27]	31	1.5 [0.95-2.33]				0.63
<i>Highly</i>	336	67	0.63 [0.44-0.91]	24	0.61 [0.36-	38	0.37 [0.25-0.55]	14	0.78 [0.41-1.50]				0.001

Abbreviation: OR, Odds ratio; CI indicates confidence interval; Comprehensive smoking index (CSI).

† Weakly exposed group included Cultivation, Agri-transformation/agri-food excluding Grain transport, Waste collection and treatment, Sawmills, Wool industry, Medical/veterinary/research sectors, Cigarette/cigar manufacture and Paper factory.

‡ Highly exposed group included Dairy farms, Cattle, Poultry, Pigs, work with grains and transport and cotton industry.

^a OR adjusted for age at interview, department, sex, Comprehensive smoking index (CSI), number of job periods, education and occupational exposure to asbestos. The never exposed to endotoxins are always the reference group.

^b Never means having no job in Work Environment Group potentially exposed to endotoxins.

^c Ever means having held at least one job in Work Environment Group potentially exposed to endotoxins.

Supplementary Table 2. Association between Lung Cancer and Exposure to Endotoxins stratified by

Exposure to	<i>No History of asthma</i>				<i>With History of asthma*</i>			
	Cases	Controls	OR ^a	95%CI	Cases	Controls	OR ^a	95%CI
	N	N			N	N		
<i>Never^b</i>	1677	2387	1.00	Reference	71	134	1.00	Reference
<i>Ever^c</i>	300	537	0.75	[0.61-0.92]	7	40	0.36	[0.1-1.26]
								P-value [§] =0.2
<i>Weakly Exposed</i>	193	247	1.04	[0.8-1.34]	3	20	0.76	[0.13-4.37]
								P-value [§] =0.26
<i>Highly exposed</i>	100	279	0.46	[0.34-0.63]	4	20	0.22	[0.04-1.05]
								P-value [§] =0.58

Abbreviation: OR. Odds ratio; CI indicates confidence interval; CSI.Comprehensive smoking index.

* History of asthma without COPD

† Weakly exposed group included Cultivation, Agri-transformation/agri-food excluding Grain transport, Waste collection and treatment, Sawmills, Wool industry, Medical/veterinary/research sectors, Cigarette/cigar manufacture and Paper factory.

‡ Highly exposed group included Dairy farms, Cattle, Poultry, Pigs, work with grains and transport and cotton industry.

^a OR adjusted for age at interview, department, sex, Comprehensive smoking index (CSI), number of job periods, education and occupational exposure to asbestos. The never exposed to endotoxins are always the reference group.

^b Never means having no job in Work Environment Group potentially exposed to endotoxins.

^c Ever means having held at least one job in Work Environment Group potentially exposed to endotoxins.

[§] P-value for interaction Between Exposure to Endotoxins and the corresponding History (using the likelihood ratio test).

