Supplementary Materials

Table S1. Average and standard deviation in pollen viability, pollen soluble protein content, reactive oxygen species (ROS) content and NADPH oxidase enzymatic activity in *A. negundo*, *B. pendula*, *C. avellana* and *Q. robur* non exposed (B) and exposed for 6 h to O_3 and NO_2 at concentrations corresponding to half the limit (1/2), the limit (Lim) and the double limit (2xLim) values for the protection of vegetation according to the EU Directive 2008/50/EC on ambient air quality and cleaner air for Europe.

	Ozone			NO_2			
	½ Lim	Lim	2xLim	½ Lim	Lim	2xLim	B
Viability (%)							
Acer negundo	66.0±3.61	65.3±2.75	68.8±2.22	67.7±0.58	62.0±3.46	60.0±2.00	68.7±1.15
Betula pendula	66.7±3.06	60.7±1.15	61.0±2.65	71.0±1.00	61.7±2.52	52.0±2.00	69.3±0.58
Corylus avellana	64.0±2.00	54.7±0.58	63.3±2.31	71.3±2.31	63.0±1.00	60.3±2.08	76.3±2.08
Quercus robur	68.0±2.00	66.7±1.15	65.0±1.00	68.7±1.15	65.0±1.73	60.3±2.52	72.0±2.00
Total Soluble Protein content (μg/mL)							
Acer negundo	7416±32.4	6989±32.0	6650±463.7	6957±48.9	7837±68.6	6928±208,0	8537±3.15
Betula pendula	1348±141.5	1720±111.0	1379±23.0	1193±21.7	1232±32.4	1514±38.3	1411±64.6
Corylus avellana	2597±24.4	3585±16.1	3335±30.4	3251±98.3	3764±42.6	4163±192.0	3256±64.1
Quercus robur	7546±125.6	5897±128.7	6308±83.6	5153±83.8	7237±85.1	3425±13.7	7242±173.9
ROS content (%)							
Acer negundo	26.3±2.52	27.7±1.53	26.7±3.06	26.3±2.50	26.3±1.71	37.3±2.31	14.3±2.08
Betula pendula	27.0±1.00	32.0±0.00	28.7±1.15	27.0±1.00	27.7±0.58	31.3±1.15	25.7±1.53
Corylus avellana	47.7±2.08	57.7±1.53	49.0±1.00	46.0±1.00	48.7±1.53	52.7±3.51	45.7±1.53
Quercus robur	32.7±1.53	37.3±2.89	35.7±2.52	28.3±2.89	37.0±2.65	34.7±2.31	25.0±2.65
NADPH oxidase enzymatic activity (abs)							
Acer negundo	0.150±0.006	0.149±0.005	0.150±0.005	0.157±0.006	0.136±0.007	0.184±0.008	0.144±0.004
Betula pendula	0.132±0.006	0.124±0.006	0.126±0.003	0.124±0.005	0.133±0.008	0.131±0.004	0.115±0.003
Corylus avellana	0.121±0.004	0.115±0.004	0.140±0.014	0.123±0.005	0.132±0.005	0.133±0.006	0.122±0.004
Quercus robur	0.272±0.017	0.259±0.014	0.259±0.014	0.216±0.012	0.226±0.013	0.269±0.016	0.225±0.013

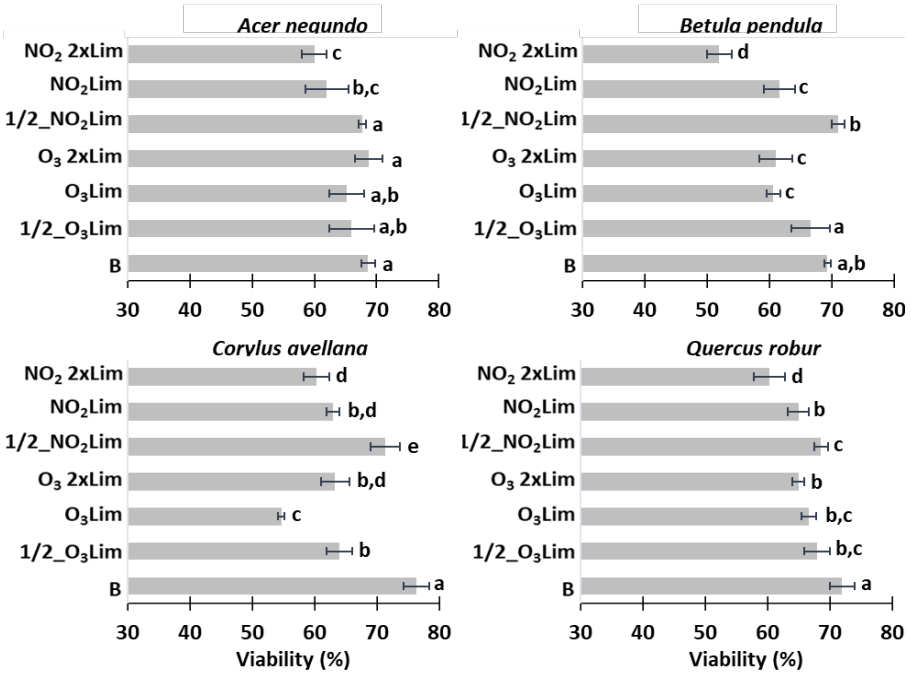

Figure S1. Average and standard deviation in pollen viability of *A. negundo, B. pendula, C. avellana and Q. robur* non exposed (B) and exposed for 6 h to O_3 and NO_2 at concentrations corresponding to half the limit (1/2), the limit (Lim) and the double limit (2xLim) values for the protection of vegetation according to the EU Directive 2008/50/EC on ambient air quality and cleaner air for Europe. Different letters indicate statistically significant differences given by the ANOVA test followed by the Tukey's pos-hoc test ($p<0.05$).

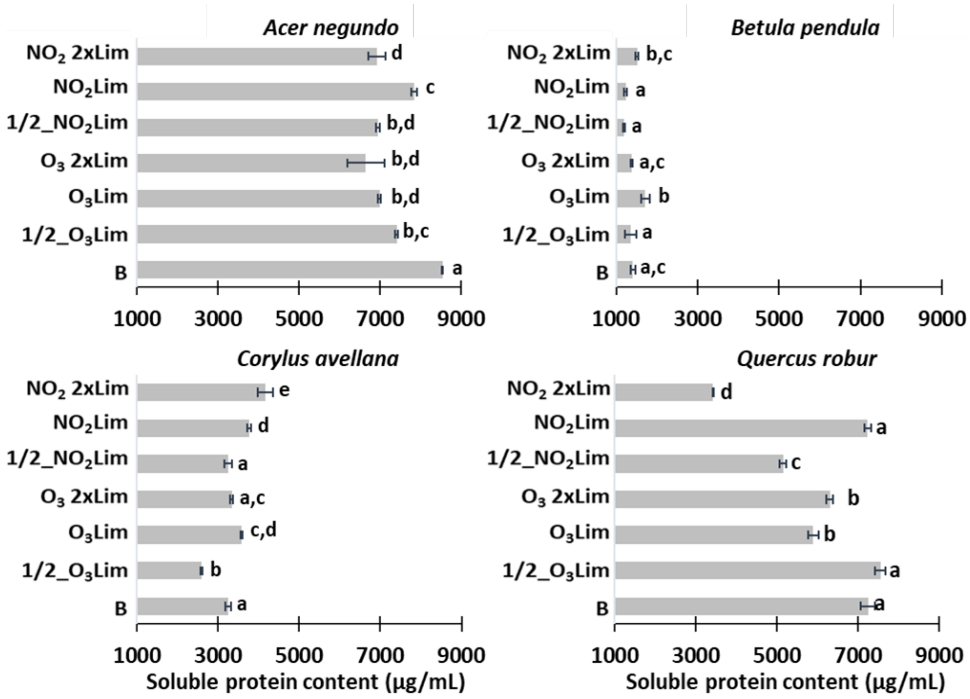

Figure S2. Average and standard deviation in pollen soluble protein content of *A. negundo, B. pendula, C. avellana and Q. robur* non exposed (B) and exposed for 6 h to O_3 and NO_2 at concentrations corresponding to half the limit (1/2), the limit (Lim) and the double limit (2xLim) values for the protection of vegetation according to the EU Directive 2008/50/EC on ambient air

quality and cleaner air for Europe. Different letters indicate statistically significant differences given by the ANOVA test followed by the Tukey's pos-hoc test ($p<0.05$)

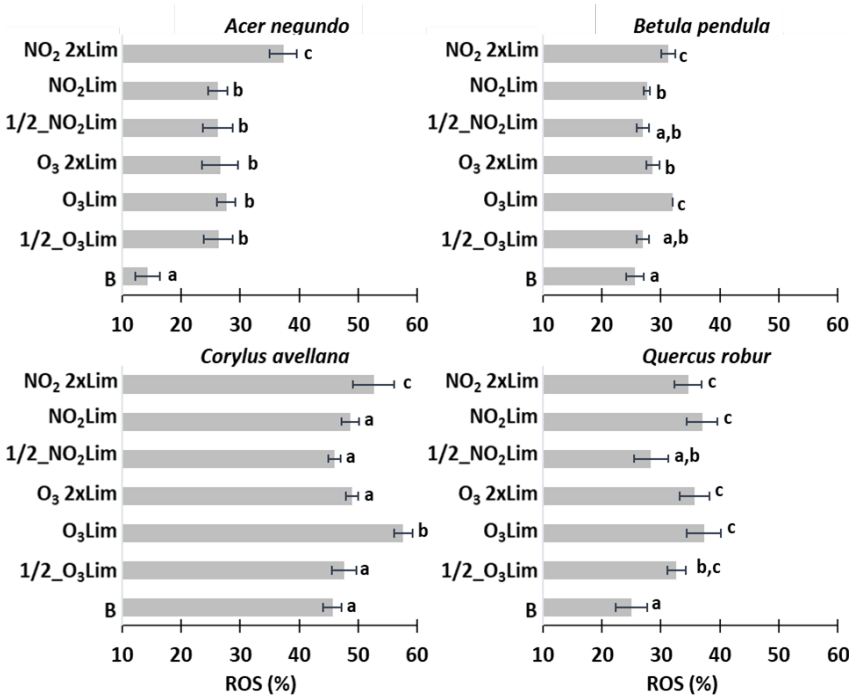

Figure S3. Average and standard deviation in pollen reactive oxygen species (ROS) content of *A. negundo*, *B. pendula*, *C. avellana* and *Q. robur* non exposed (B) and exposed for 6 h to O_3 and NO_2 at concentrations corresponding to half the limit (1/2), the limit (Lim) and the double limit (2xLim) values for the protection of vegetation according to the EU Directive 2008/50/EC on ambient air quality and cleaner air for Europe. Different letters indicate statistically significant differences given by the ANOVA test followed by the Tukey's pos-hoc test ($p<0.05$).

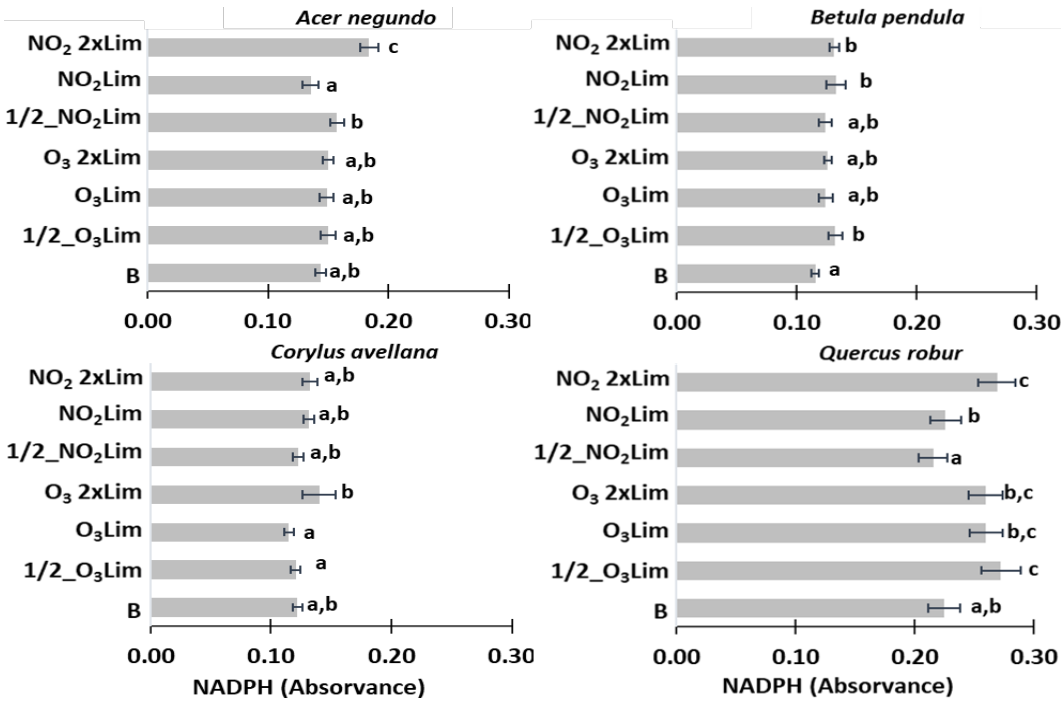

Figure S4. Average and standard deviation in pollen NADPH oxidase enzymatic activity in *A. negundo*, *B. pendula*, *C. avellana* and *Q. robur* non exposed (B) and exposed for 6 h to O_3 and NO_2 at concentrations corresponding to half the limit (1/2), the limit (Lim) and the double limit (2xLim) values for the protection of vegetation according to the EU Directive 2008/50/EC on ambient air quality and cleaner air for Europe. Different letters indicate statistically significant differences given by the ANOVA test followed by the Tukey's pos-hoc test ($p<0.05$).