

**Table S1A. Time and Dose Response in Inflammatory Cytokines and Chemokines**

Mediators	12.5 mg/kg 1-NN + Air			12.5 mg/kg 1-NN + Ozone			50 mg/kg 1-NN + Air			50 mg/kg 1-NN + Ozone		
	2 hrs	6 hrs	24 hrs	2 hrs	6 hrs	24 hrs	2 hrs	6 hrs	24 hrs	2 hrs	6 hrs	24 hrs
TNF $\alpha$	+	-	-	+	-	-	+	-	-	++	+	-
IL-1 $\alpha$	+	-	-	+	-	-	-	+	-	+	-	-
IL-1 $\beta$	-	-	-	++	+/-	-	+	-	-	+++	+	-
IFN- $\gamma$	-	-	-	+	-	-	++	+	-	+	+	+/-
IL-6	-	+	+	+	+	+	+	+	+	+	+	+
IL-10	-	+	+	-	-	-	+	++	+	-	-	-
CNTF	-	-	-	-	-	-	+	+	+	-	-	-
Leptin	-	-	-	+	+/-	-	+	+	-	+	+	-
MIP-3 $\alpha$	-	-	-	+/-	+/-	-	+	+	+/-	+	+/-	+/-
MCP-1	-	-	-	+/-	+	+	+	++	+	+	++	++
CINC-2	-	-	-	++	++	+	+	-	-	++	++	+
CINC-3	-	-	-	+	+	-	-	-	-	+	+	+
GM-CSF	-	-	-	++	++	++	+	+	-	+++	+++	++
IL-4	-	-	-	+	+	+	-	-	-	+	+	+
$\beta$ -NGF	-	-	-	+	+	+	-	-	-	+	+	+

- = non detected in 75% of the samples

+/- = present in 75% of the samples

+ = present in all samples but lower than the membrane's positive control

++ = present in all samples and equal to membrane's positive control

+++ = present in all samples and greater than membrane's positive control

Black background box represents the immunostimulatory cytokines

Grey lettering represents immunosuppressive cytokines.

Gray background box represents chemokines that are indicative of a T<sub>H</sub>2- allergic response

### B. Time and Dose Response in Inflammatory Oxylipins

Lipid Mediators	12.5 mg/kg 1-NN + Air			12.5 mg/kg 1-NN + Ozone			50 mg/kg 1-NN + Air			50 mg/kg 1-NN + Ozone		
	2 hrs	6 hrs	24 hrs	2 hrs	6 hrs	24 hrs	2 hrs	6 hrs	24 hrs	2 hrs	6 hrs	24 hrs
9,12,13-TriHOME	39 ± 5	70 ± 6	67 ± 5	50 ± 4	84 ± 6	77 ± 3	59 ± 23	91 ± 16	105 ± 21	85 ± 20	80 ± 16	93 ± 14
9,10,13-TriHOME	77 ± 9	102 ± 5	133 ± 10	99 ± 7	110 ± 2	145 ± 6	76 ± 22	109 ± 20	135 ± 19	91 ± 10	107 ± 10	140 ± 13
12,13-DiHOME	112 ± 8	93 ± 13	84 ± 10	127 ± 18	133 ± 12	135 ± 8	122 ± 10	111 ± 22	104 ± 29	126 ± 37	148 ± 21	159 ± 27
9,10-DiHOME	102 ± 6	103 ± 7	104 ± 5	125 ± 12	125 ± 10	124 ± 7	128 ± 11	116 ± 6	109 ± 5	134 ± 14	133 ± 10	132 ± 15
15-HETE	96 ± 40	123 ± 42	391 ± 53	177 ± 56	220 ± 45	291 ± 37	183 ± 52	376 ± 68	617 ± 83	278 ± 77	390 ± 60	421 ± 58
11-HETE	156 ± 50	157 ± 42	205 ± 26	265 ± 48	250 ± 34	193 ± 15	259 ± 40	500 ± 28	221 ± 48	329 ± 51	436 ± 49	210 ± 36
12-HETE	116 ± 26	137 ± 41	209 ± 25	317 ± 54	325 ± 63	368 ± 31	264 ± 101	532 ± 111	450 ± 106	497 ± 92	484 ± 39	712 ± 95
5-HETE	145 ± 22	173 ± 16	138 ± 14	188 ± 29	218 ± 6	184 ± 31	218 ± 44	308 ± 32	252 ± 42	248 ± 38	374 ± 48	292 ± 58
6-keto-PGF <sub>1<math>\alpha</math></sub>	92 ± 11	93 ± 11	119 ± 30	119 ± 15	129 ± 24	127 ± 36	133 ± 24	152 ± 33	121 ± 9	140 ± 17	163 ± 26	127 ± 21
TXB <sub>2</sub>	92 ± 5	124 ± 23	81 ± 4	102 ± 9	165 ± 16	104 ± 18	149 ± 15	158 ± 32	184 ± 20	211 ± 55	225 ± 24	187 ± 42
PGE <sub>2</sub>	173 ± 31	209 ± 21	143 ± 21	267 ± 36	269 ± 10	175 ± 46	414 ± 69	541 ± 46	364 ± 62	523 ± 29	731 ± 52	386 ± 34
PGD <sub>2</sub>	130 ± 34	143 ± 21	169 ± 11	235 ± 16	204 ± 22	165 ± 27	159 ± 49	263 ± 41	181 ± 31	233 ± 23	334 ± 36	120 ± 58
LTB <sub>4</sub>	141 ± 20	121 ± 12	114 ± 12	177 ± 17	132 ± 9	120 ± 10	257 ± 41	153 ± 28	120 ± 10	342 ± 33	188 ± 48	120 ± 0
LTC <sub>4</sub>	120 ± 19	133 ± 21	216 ± 13	923 ± 50	1234 ± 74	1368 ± 61	318 ± 33	375 ± 55	385 ± 50	975 ± 87	1359 ± 74	NV
LTD <sub>4</sub>	104 ± 11	124 ± 21	128 ± 18	567 ± 15	825 ± 34	864 ± 38	218 ± 31	292 ± 23	309 ± 23	579 ± 44	1006 ± 43	NV

Values are the percent of controls rats receiving filtered air and vehicle without 1-NN (average ± std (n=4))

Not Valid (NV), samples were out of quantitative range high

Grey background are statistically higher than their corresponding dosed filter air treated rats