

**Table S-3** Quantification of inflammation

	NO	NOD	HY	HYD
<b>hyperoxia</b>	-	-	+	+
<b>dexmedetomidine</b>	-	+	-	+
<b>P7</b>				
<b>TNF<math>\alpha</math></b>	100 $\pm$ 9.2	107 $\pm$ 6.4	137 $\pm$ 7.4	90 $\pm$ 10.6
<i>TNF<math>\alpha</math></i>	100 $\pm$ 11.9	69 $\pm$ 2.7	192 $\pm$ 23.6	83 $\pm$ 7.5
<i>IL1<math>\beta</math></i>	100 $\pm$ 6.0	51 $\pm$ 9.3	62 $\pm$ 6.4	72 $\pm$ 5.0
<b>P9</b>				
<b>TNF<math>\alpha</math></b>	100 $\pm$ 9.4	91 $\pm$ 11.7	99 $\pm$ 8.0	90 $\pm$ 8.0
<i>TNF<math>\alpha</math></i>	100 $\pm$ 6.3	107 $\pm$ 9.4	130 $\pm$ 6.6	82 $\pm$ 6.5
<i>IL1<math>\beta</math></i>	100 $\pm$ 6.9	106 $\pm$ 7.8	79 $\pm$ 11.5	55 $\pm$ 6.8
<b>P11</b>				
<b>TNF<math>\alpha</math></b>	100 $\pm$ 12.8	110 $\pm$ 9.6	107 $\pm$ 10.3	190 $\pm$ 15.5
<i>TNF<math>\alpha</math></i>	100 $\pm$ 7.5	88 $\pm$ 7.6	55 $\pm$ 4.3	158 $\pm$ 5.8
<i>IL1<math>\beta</math></i>	100 $\pm$ 7.9	95 $\pm$ 8.2	83 $\pm$ 9.8	74 $\pm$ 8.3
<b>P14</b>				
<b>TNF<math>\alpha</math></b>	100 $\pm$ 9.5	114 $\pm$ 6.9	114 $\pm$ 9.7	111 $\pm$ 10.2
<i>TNF<math>\alpha</math></i>	100 $\pm$ 6.1	91 $\pm$ 5.5	86 $\pm$ 0.7	90 $\pm$ 7.9
<i>IL1<math>\beta</math></i>	100 $\pm$ 4.9	73 $\pm$ 4.5	60 $\pm$ 9.1	83 $\pm$ 8.8

Data are normalized to the level of rat pups exposed to normoxia at each time point (control 100 %). n = 6/group (ANOVA, Bonferroni's *post hoc* test).