



Supplement Figures S1 and S2 and Table S1:

Pigs Group A (Intravenous injection of prilocaine during regional anaesthesia)

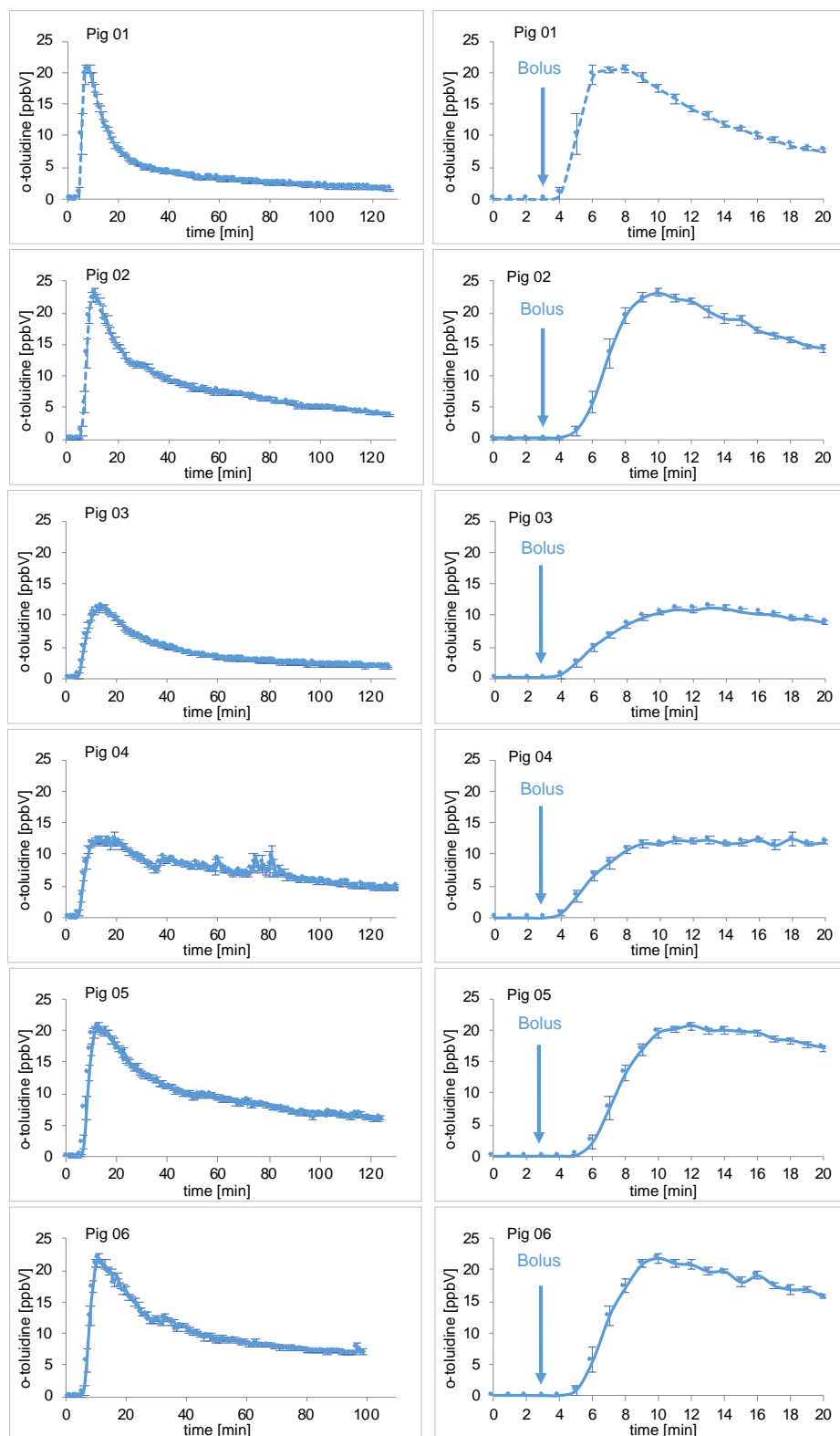


Figure S1. Continuous measurement of o-toluidine concentrations in breath by PTR-ToF-MS over 120 min for six single pigs from Group A (intravenous injection of prilocaine, blue line, diagrams on the left side). Each data point represents mean concentrations over one minute. The diagrams on

the right side show o-toluidine breath concentrations during the first 20 min. Bolus was administered at 3rd minute.

Pigs Group B (Cervical plexus regional anaesthesia using prilocaine)

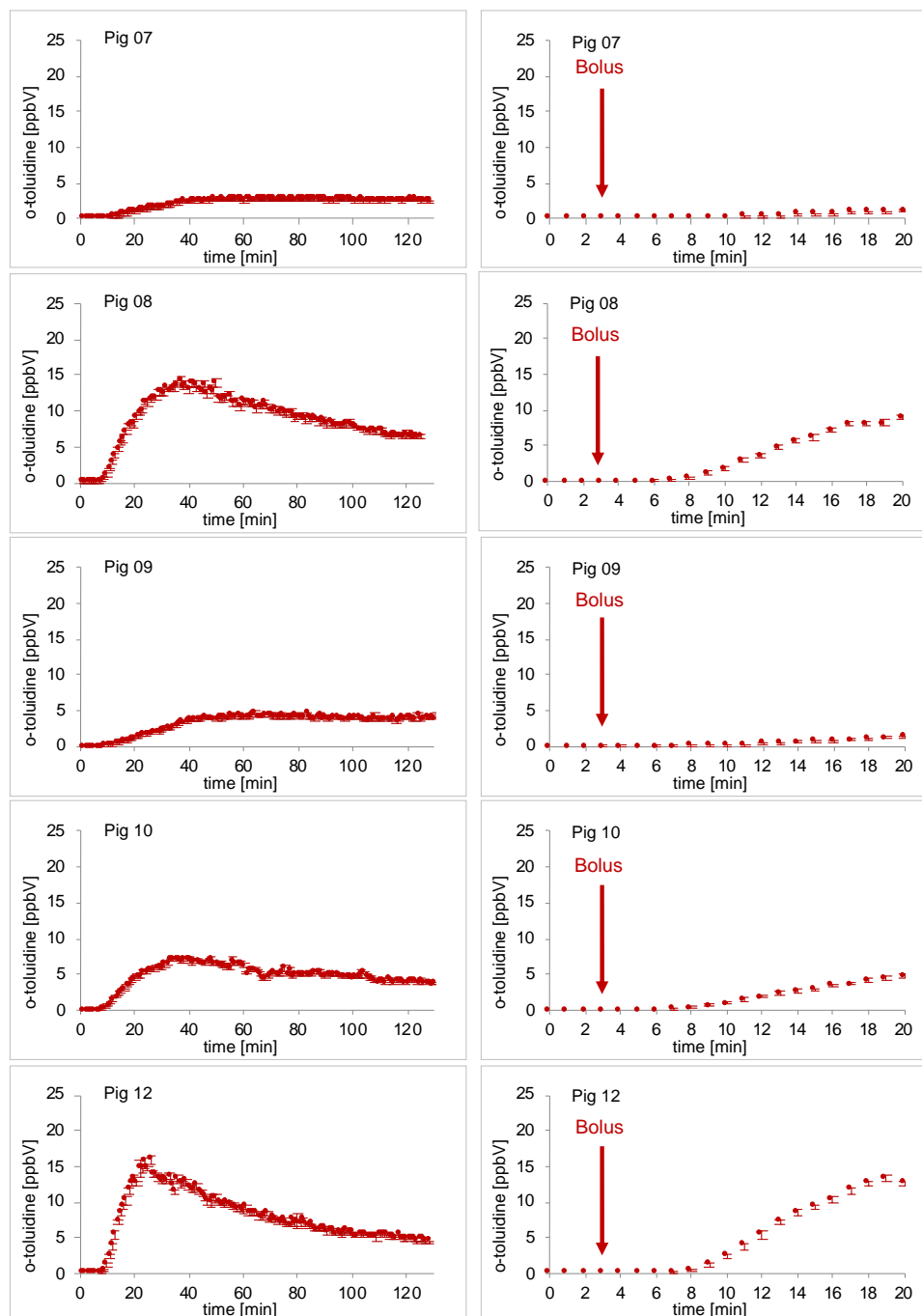


Figure S2. Continuous measurement of o-toluidine concentrations in breath by PTR-ToF-MS over 120 min for five single pigs from Group B (cervical plexus regional anaesthesia with prilocaine, red line, diagrams on the left side). Each data point represents mean concentrations over one minute. The diagrams on the right side show o-toluidine breath concentrations during the first 20 min. Bolus was administered at 3rd minute.

Table S1. Pearson product correlation coefficients between blood and breath parameters (P1-P6). Statistically significant correlations ($p < 0.05$) are marked in bold.

			o-toluidine in blood	o-toluidine in breath
Both groups	prilocaine in blood	r	0.68	0.033
		p	<0.001	0.80
	o-toluidine in blood	r		0.316
		p		0.011
Only group A	prilocaine in blood	r	0.66	-0.167
		p	<0.001	0.34
	o-toluidine in blood	r		0.015
		p		0.93
Only group B	prilocaine in blood	r	0.47	0.08
		p	0.008	0.66
	o-toluidine in blood	r		0.85
		p		<0.001