

Table S4. peak dF/dt (mL/kg/s<sup>2</sup>) of individual animals in multiple SI, single SI and no SI groups from onset of ventilation.

time (min)	multiple SI								single SI								no SI							
	1	2	3	4	5	6	mean	SEM	1	2	3	4	5	6	mean	SEM	1	2	3	4	5	6	mean	SEM
BV	39.93	73.43	36.25	9.71	70.84	32.82	45.35	12.03	83.47	46.52	119.66	37.63	32.72	18.73	56.46	15.45	23.86	11.88	20.18	89.54	62.27	38.40	45.19	13.91
0.00	40.93	74.13	37.25	7.76	70.67	31.11	44.92	12.46	97.91	44.95	115.67	29.95	41.56	24.08	59.02	15.59	20.67	10.80	16.99	88.18	54.32	52.55	45.30	13.73
0.30	57.41	138.12	53.73	4.53	63.58	40.90	60.91	21.86	197.15	49.65	437.95	179.94	101.31	60.37	171.06	58.84	20.15	9.79	16.47	85.46	42.58	46.89	40.98	13.08
1.00	54.52	169.45	50.85	7.35	77.99	46.05	71.07	27.10	187.87	46.89	396.52	173.41	109.59	154.84	178.19	48.40	62.89	17.85	59.21	89.70	35.70	49.38	51.10	12.19
1.30	57.89	173.51	54.21	45.97	92.04	48.01	83.48	23.98	159.26	33.69	342.60	144.67	111.47	182.77	162.41	41.78	62.83	82.63	59.15	100.01	46.74	49.96	68.43	10.10
2.00	68.49	180.81	64.81	119.38	86.98	45.86	100.30	23.45	142.82	30.79	298.88	163.05	110.31	165.54	151.90	35.77	58.33	132.52	54.65	99.66		53.56	86.02	18.64
2.30	79.33	178.85	75.65	99.48	68.02	48.38	94.81	22.58	134.50	32.39	259.37	162.46	101.61	147.38	139.62	30.49	39.67	139.89	35.99	118.53	76.78	51.95	85.36	19.17
3.00	89.44	189.69	85.77	97.27	72.87	51.87	100.23	23.68	128.16	29.68	225.56	153.54	96.19	118.93	125.34	26.39	28.40	151.21	24.72	92.63	86.12	50.94	81.86	20.92
3.30	86.92	191.31	83.24	71.43	72.54	53.79	95.20	24.60	124.71	30.58	227.55	151.16	90.42	106.55	121.83	26.83	26.32	153.93	22.64	88.91	86.05	48.11	80.66	21.77
4.00	91.43	191.89	87.75	70.95	72.13	53.96	96.07	24.68	122.66	31.16	227.71	151.28	82.63	107.30	120.46	27.10	18.65	160.82	14.97	93.68	83.14	40.75	79.41	24.53
4.30	87.69	192.79	84.01	73.37	72.27	53.13	95.85	24.85	119.57	31.89	232.79	150.16	76.12	115.34	120.98	27.89	115.99	164.62	112.31	93.93	78.22	44.69	99.49	20.00
5.00	90.47	189.27	86.79	75.04	71.60	53.16	95.91	24.08	120.20	31.90	245.22	147.76	70.84	121.07	122.83	29.77	110.22	169.25	106.54	94.24	74.41	49.38	99.50	20.19
6.00	85.55	194.92	81.88	73.85	69.14	56.71	96.03	25.15	134.99	32.08	253.70	149.99	60.83	120.02	125.27	31.66	126.56	172.11	122.88	87.59	80.11	55.63	104.40	20.41
7.00	84.17	198.88	80.49	74.41	68.38	62.09	97.59	25.58	135.08	29.95	248.26	155.09	57.16	116.03	123.59	31.57	108.33	174.31	104.65	78.10	83.10	54.15	99.60	20.57
8.00	83.94	199.54	80.26	70.58	64.39	74.13	98.51	25.45	129.59	28.58	261.76	149.71	57.32	120.92	124.65	33.28	118.68	172.45	115.00	83.06		40.97	103.79	27.86
9.00	84.90	196.71	81.22	63.63	63.51	81.26	98.00	25.07	128.76	25.88	251.50	152.34	57.23	97.73	118.91	32.51	97.40	162.82	93.73	91.46	64.19	33.05	89.78	21.53
10.00	88.06	189.16	84.38	51.18	62.71	85.28	95.28	24.47	135.14	32.16	257.14	151.43	51.61	80.24	117.95	33.65	74.59	143.11	70.91	96.07	67.35	43.58	84.94	16.79
11.00	88.37	185.06	84.69	47.47	67.72	86.56	95.04	23.70	140.92	55.78	194.36	145.84	54.21	67.11	109.70	23.98	106.93	122.74	103.25	108.18	87.42	46.33	94.32	13.25
12.00	113.87	179.66	110.19	36.61	92.74	90.02	102.58	23.10	128.70	99.20	126.59	134.20	46.84	76.12	101.94	14.23	94.17	101.20	90.49	112.92	87.29	51.37	89.39	10.41
13.00	141.28	172.23	137.60	29.68	108.13	86.98	107.66	24.30	124.81	105.19	92.53	115.69	47.61	54.82	90.11	13.09	114.70	83.07	111.02	112.82	101.23	78.75	98.11	7.42
14.00	142.12		138.44	26.42	109.50	90.94	92.24	24.36	120.28	98.98	86.15	106.38	46.72	53.95	85.41	12.01	99.97	78.30	96.29	109.89	108.85	87.88	96.98	6.12
15.00	138.03	154.26	134.35	24.38	105.37	85.41	101.49	22.74	129.90	94.64	84.09	104.20	44.35	58.88	86.01	12.66	101.31	83.48	97.64	106.78	101.19	85.46	95.64	4.68
20.00	124.70	160.63	121.02	31.90	102.51	80.08	99.96	21.59	94.24	84.69	68.30	87.31	42.42	93.22	78.36	8.14	103.02	145.14	99.34	105.76	104.19	83.71	108.36	10.03
25.00	128.12	172.40	124.44	30.68	101.74	55.87	97.76	25.26	79.70	89.88	97.06	83.82	24.95	85.41	76.80	10.65	103.80	126.04	100.12	113.72	107.94	78.50	106.00	7.83
30.00	128.77	174.66	125.09	30.97	95.66	45.91	95.19	26.45	67.41	91.03	85.89	75.74	21.56	89.01	71.77	10.68	97.07	119.55	93.39	118.62	104.89	57.00	99.43	11.42

BV, before ventilation; dF/dt, peak first derivative of the carotid arterial blood flow pulse; SEM, standard error of the mean; SI, sustained inflation