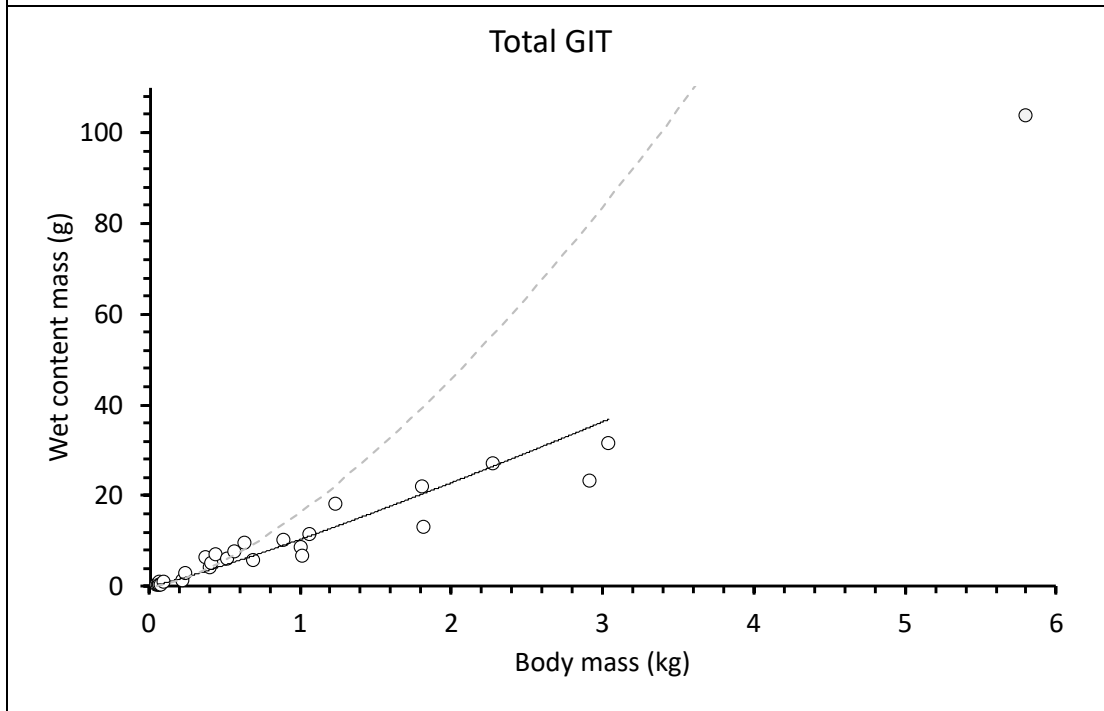
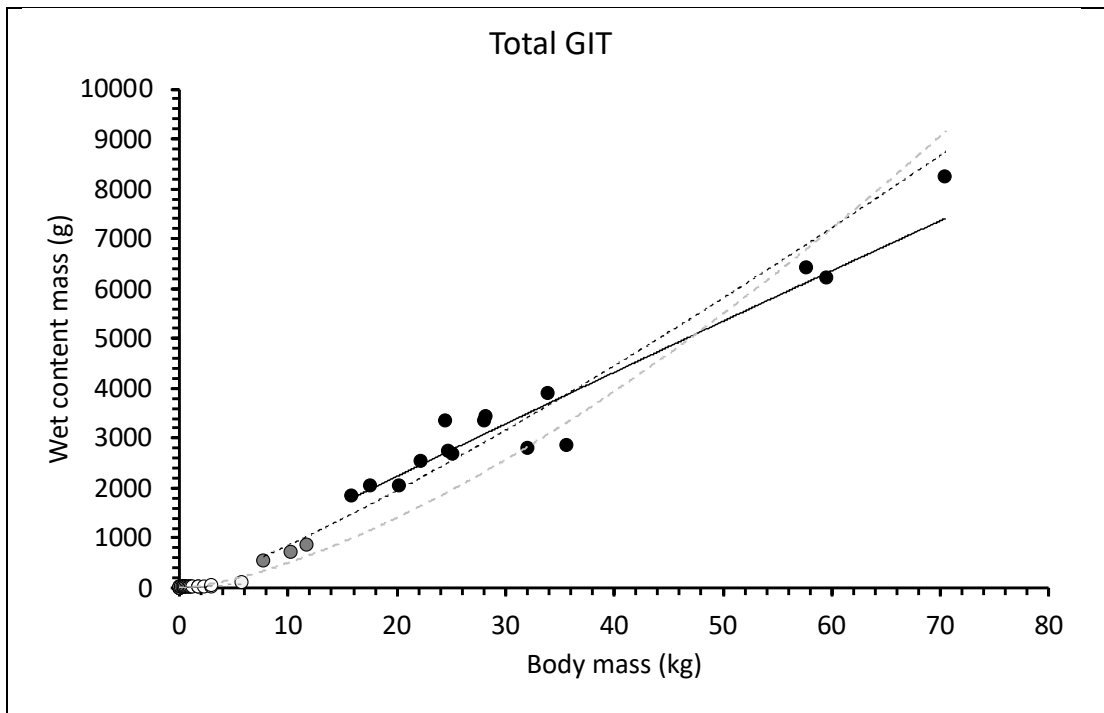


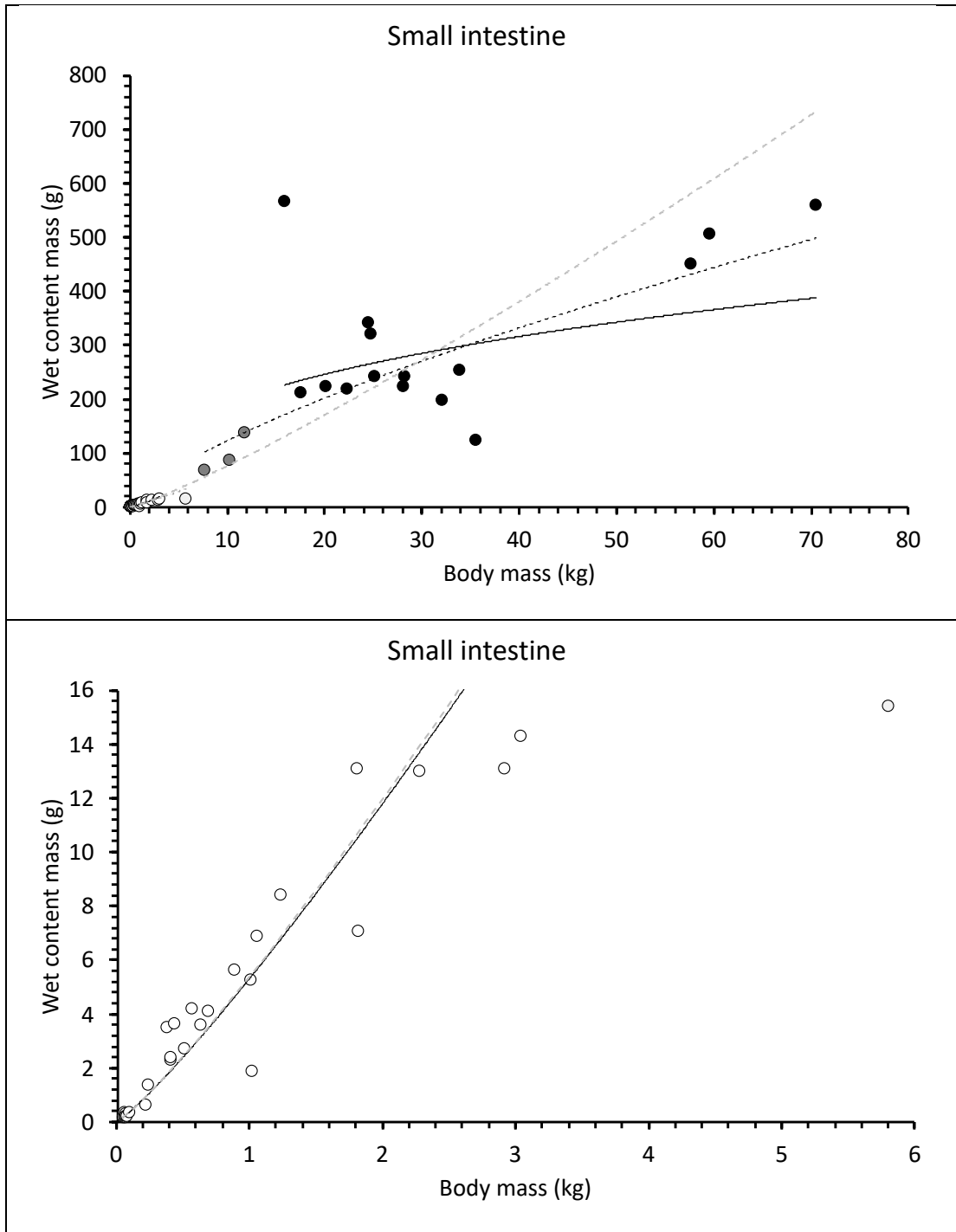
Scaling at different ontogenetic stages: gastrointestinal tract contents of a marsupial foregut fermenter, the western grey kangaroo *Macropus fuliginosus melanops*

Adam J Munn, Edward P. Snelling, David A. Taggart, Marcus Clauss

Online Supplement

The following figures depict the complete, untransformed data, including the regression lines outlined in the main text: the allometry for the young-in-pouch (white dots) and adults (black dots) together (grey stippled line), the adults only (black line), the adults and weanlings (dark grey dots) together (black stippled line), and on the lower graph the young-in-pouch (black line). The only young-at-foot (light grey dot) is not included in any regression analysis. Note that the single allometry of young and adults combined does not fit the data well, except possibly for the small intestine.





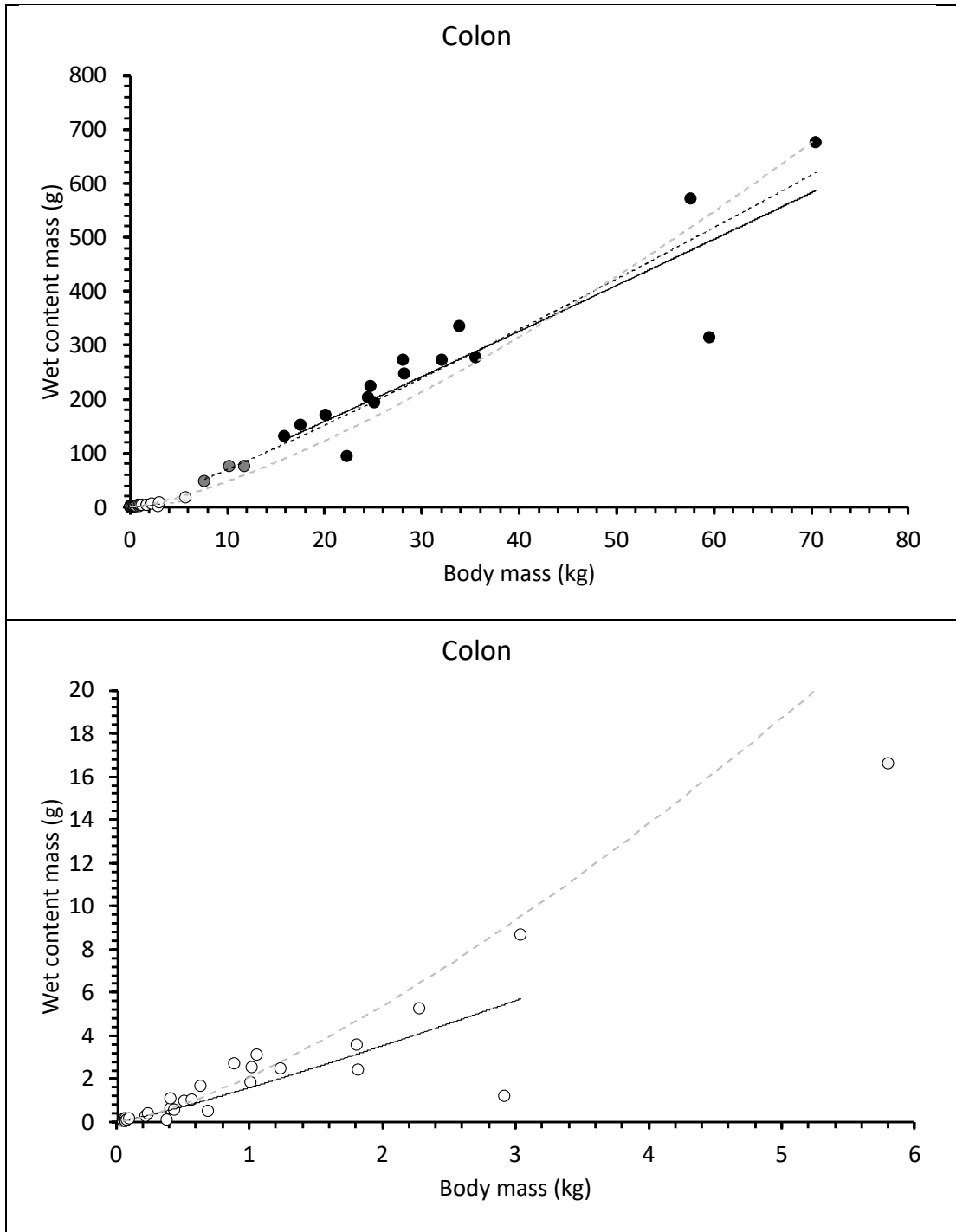


Table S1 Original data

ID	Life stage (Sex)	Sex	Body mass (g)	Tubiform stomach		Hindstomach		Small intestine		Caecum		Colon	
				Tissue (g)	Content (g)	Tissue (g)	Content (g)	Tissue (g)	Content (g)	Tissue (g)	Content (g)	Tissue (g)	Content (g)
41	young-in-pouch	m	52.14	0.11	0.10	0.04	0.02	0.21	0.15	0.002	0.014	0.06	0.04
55	young-in-pouch	f	60.77	0.16	0.10	0.05	0.01	0.43	0.16	0.010	0.014	0.11	0.07
70	young-in-pouch	m	69.27	0.20	0.17	0.05	0.08	0.43	0.34	0.014	0.017	0.17	0.13
57	young-in-pouch	m	75.75	0.15	0.03	0.04	0.02	0.38	0.17	0.014	0.011	0.15	0.04
74	young-in-pouch	m	77.20	0.29	0.39	0.09	0.09	0.69	0.32	0.014	0.021	0.18	0.14
56	young-in-pouch	m	78.11	0.21	0.05	0.06	0.03	0.36	0.22	0.007	0.008	0.08	0.06
58	young-in-pouch	f	80.56	0.13	0.05	0.03	0.00	0.51	0.23	0.010	0.009	0.12	0.12
84	young-in-pouch	f	97.84	0.23	0.21	0.05	0.09	0.54	0.33	0.015	0.007	0.27	0.14
71	young-in-pouch	f	224.00	0.56	0.09	0.14	0.06	1.36	0.65	0.037	0.025	0.65	0.28
69	young-in-pouch	m	241.00	1.03	0.83	0.29	0.33	1.14	1.36	0.084	0.065	0.99	0.37
97	young-in-pouch	f	381.00	1.85	2.54	0.43	0.22	2.05	3.49	0.190	0.027	2.33	0.07
82	young-in-pouch	f	412.00	1.78	0.75	0.45	0.15	2.89	2.28	0.261	0.186	2.55	0.59
72	young-in-pouch	m	416.00	1.44	1.00	0.49	0.36	1.82	2.37	0.164	0.253	1.69	1.07
83	young-in-pouch	f	442.00	1.51	2.53	0.47	0.24	3.36	3.65	0.205	0.142	1.84	0.53
78	young-in-pouch	f	520.00	1.40	1.81	0.68	0.24	2.45	2.71	0.189	0.183	1.39	0.98
79	young-in-pouch	f	571.00	2.83	1.73	0.65	0.60	5.83	4.17	0.314	0.050	2.16	1.00
73	young-in-pouch	f	641.00	3.05	3.34	0.90	0.75	5.54	3.60	0.305	0.197	2.29	1.65
77	young-in-pouch	f	698.00	3.16	0.33	0.92	0.51	4.97	4.08	0.281	0.152	2.55	0.52
81	young-in-pouch	m	892.00	5.13	1.05	1.06	0.40	7.03	5.64	0.470	0.320	3.73	2.67
76	young-in-pouch	f	1011.00	3.85	1.01	1.18	0.23	7.74	5.24	0.490	0.230	3.02	1.84
75	young-in-pouch	f	1023.00	4.04	1.42	1.10	0.39	6.17	1.86	0.450	0.420	3.11	2.54
80	young-in-pouch	f	1064.00	4.96	0.47	1.62	0.83	8.45	6.89	0.600	0.250	3.86	3.10
96	young-in-pouch	m	1235.00	5.02	5.76	1.03	0.69	11.62	8.41	0.523	0.678	4.71	2.47
93	young-in-pouch	f	1813.00	7.74	2.04	2.00	0.27	11.37	13.07	1.040	3.063	5.50	3.59
95	young-in-pouch	f	1820.00	7.33	2.38	2.02	0.35	14.81	7.07	0.970	0.770	5.27	2.38
94	young-in-pouch	m	2282.00	11.97	4.64	2.70	0.53	16.73	13.00	1.060	3.680	6.48	5.22
92	young-in-pouch	f	2916.00	12.96	5.95	2.89	1.14	23.44	13.09	1.170	1.791	8.03	1.21
91	young-in-pouch	m	3039.00	14.91	6.35	4.32	0.38	27.33	14.30	1.600	1.660	8.48	8.66
44	young-at-foot	f	5800.00	17.51	49.01	3.94	4.26	28.57	15.41	1.715	18.361	8.48	16.58
46	weanling	f	7700.00	86.99	376.01	12.92	17.39	57.00	68.00	5.050	18.660	17.43	46.59
47	weanling	f	10300.00	116.00	475.00	18.00	17.00	60.00	86.00	6.060	50.940	23.59	75.31
45	weanling	m	11750.00	129.00	581.00	21.00	22.00	88.00	137.00	8.000	45.000	29.00	76.00
49	adult	f	15900.00	252.00	1058.00	37.00	49.00	126.00	565.00	15.000	43.000	45.00	132.00
48	adult	f	17600.00	233.00	1420.00	40.00	167.00	168.00	212.00	14.000	81.000	52.00	151.00
35	adult	m	20200.00	332.00	1485.00	39.00	72.00	181.00	224.00	15.000	101.000	65.00	171.00
39	adult	m	22300.00	342.00	2108.00	37.00	39.00	230.00	218.00	17.000	78.000	65.00	93.00
37	adult	m	24450.00	358.00	2588.00	40.00	100.00	223.00	341.00	21.000	120.000	78.00	203.00
33	adult	f	24700.00	392.00	1923.00	50.00	126.00	217.00	320.00	24.000	145.000	78.00	223.00
36	adult	m	25100.00	435.00	2017.00	50.00	131.00	232.00	241.00	20.000	102.000	67.00	193.00
54	adult	f	28050.00	441.00	2557.00	61.00	140.00	183.00	224.00	25.000	153.000	83.00	272.00
38	adult	m	28200.00	391.00	2684.00	48.00	214.00	203.00	243.00	18.000	38.000	100.00	246.00
40	adult	f	32050.00	455.00	2030.00	57.00	146.00	177.00	197.00	22.000	147.000	86.00	272.00
52	adult	f	33900.00	531.00	3091.00	54.00	48.00	174.00	254.00	27.000	170.000	118.00	334.00
51	adult	f	35600.00	552.00	2213.00	61.00	115.00	115.00	233.00	22.000	112.000	85.00	276.00
32	adult	m	57650.00	718.00	5168.00	69.00	70.00	405.00	450.00	32.000	163.000	165.00	571.00
34	adult	m	59600.00	900.00	5022.00	76.00	183.00	307.00	506.00	36.000	190.000	142.00	314.00
50	adult	m	70500.00	983.00	6470.00	90.00	250.00	358.00	559.00	50.000	282.000	200.00	676.00

