

Supplementary material

Honig et al. 2021: Body composition and composition of gain of growing beef bulls fed rations with varying energy concentrations.
<https://doi.org/10.1016/j.meatsci.2021.108685>

Table: Parameters for regression equations on empty body mass, body tissues and chemical components

Regression equation: $y = aLW_i + bLW_i^2 + cLW_i^3 + e_i$					
y	Estimated parameter			SE	R ²
	a	b	c		
Empty body weight	0.8557 ± 0.0167	0.000205 ± 0.00006	-1.25E-07 ± 5.198E-08	6.60	0.9991
Hide	0.0819 ± 0.00821	0.000094 ± 0.00003	-9.61E-08 ± 2.561E-08	3.25	0.9811
Blood	0.0467 ± 0.00482	0.000003955 ± 0.000017	-2.11E-08 ± -1.502E-08	1.91	0.9484
Organs	0.0659 ± 0.00472	-0.00002 ± 0.000017	2.493E-09 ± 1.471E-08	1.87	0.9759
GIT	0.0778 ± 0.00638	-0.00009 ± 0.000023	4.087E-08 ± 2.016E-08	2.51	0.8787
Fat	0.0222 ± 0.0305	0.000154 ± 0.00011	4.792E-08 ± 9.509E-08	12.08	0.9414
Muscle	0.3454 ± 0.027	0.000172 ± 0.000098	-1.46E-07 ± 8.414E-08	10.69	0.9871
Tendon	0.0333 ± 0.00433	0.000022 ± 0.000016	-2.09E-08 ± 1.351E-08	1.72	0.9650
Bone	0.1579 ± 0.00761	-0.00009 ± 0.000028	2.924E-08 ± 2.374E-08	3.02	0.9809
Ether extract	0.0358 ± 0.0349	0.000223 ± 0.000126	-1.63E-08 ± 1.087E-07	13.81	0.9410
Crude protein	0.1699 ± 0.0115	0.000076 ± 0.000041	-8.22E-08 ± 3.576E-08	4.54	0.9886
Total ash	0.0341 ± 0.00459	0.000031 ± 0.000017	-2.78E-08 ± 1.433E-08	1.82	0.9667
Water	0.616 ± 0.0289	-0.00012 ± 0.000105	1.513E-09 ± 9.029E-08	11.47	0.9907

LW: live weight; e: residual error

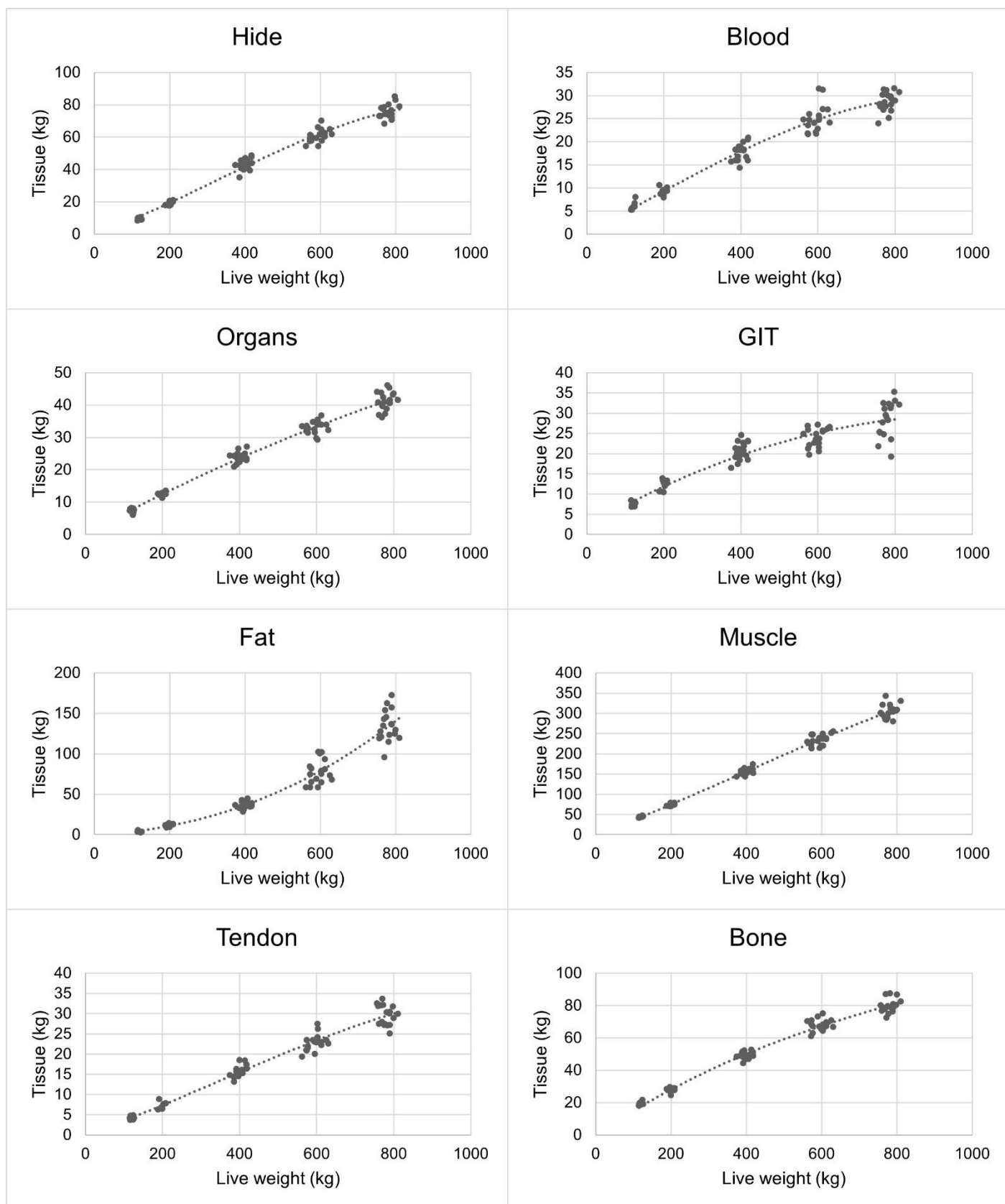


Figure: Contents of body tissues in bulls with different live weights