

Supplementary Materials

S1 Table. Summary of body composition features in validation cohort

Morphomic Variable (at T11)	Raw values			Percentiles		
	Median	Q ₁	Q ₃	Median	Q ₁	Q ₃
Distance from the fascia to the vertebra (mm)	165	149	181	75	52	89
Area of all muscle in the dorsal muscle group (mm ²)	3,380	2,756	3,854	40	19	65
Ratio of normal density muscle to the dorsal muscle area (ratio)	0.40	0.25	0.60	72	54	89
Low density dorsal muscle area (mm ²)	927	589	1179	66	41	87
Normal density dorsal muscle area (mm ²)	2,350	1,748	3,035	30	17	51
Total fascia circumference (mm)	965	892	1,009	62	42	85
Eccentricity of an ellipse having the same second-moments of the fascia region (ratio)	0.61	0.56	0.66	28	10	52
Total area within the fascia region (mm ²)	70,131	59,495	76,490	66	45	85
Subcutaneous fat area (mm ²)	9,501	6,062	12,967	54	33	72
Bone mineral density (HU)	180	152	216	47	23	74
Visceral fat density (HU)	-91	-98	-84	72	38	88
Visceral fat area (mm ²)	8,246	4,563	14,666	39	19	56

Q₁ is the 1st quartile and Q₃ is the 3rd quartile. The percentile version was referenced against a normal population controlling for age and gender, which are unitless. The units for raw values were specified in the row names. The smaller eccentricity indicates a more rounder body shape. HU, Hounsfield Units.