

**S2 Table.** Morphomic descriptive data of derivation and validation cohorts

Morphomic Variable Percentile (at T11)	Derivation Cohort (n=75)	Validation Cohort (n=90)	p-value
Distance from the fascia to the vertebra	62 (39-80)	75 (52-89)	0.02
Area of all muscle in the dorsal muscle group	46 (28-69)	40 (19-65)	0.14
Ratio of normal density muscle to the dorsal muscle area	70 (40-93)	72 (54-89)	0.80
Low density dorsal muscle area	69 (37-94)	66 (41-87)	0.53
Normal density dorsal muscle area	37 (21-57)	30 (17-51)	0.23
Total fascia circumference	48 (24-70)	62 (42-85)	0.01
Eccentricity of an ellipse having the same second-moments of the fascia region	29 (12-47)	28 (10-52)	0.76
Total area within the fascia region	54 (25-74)	66 (45-85)	0.01
Subcutaneous fat area	46 (26-73)	54 (33-72)	0.57
Bone mineral density	50 (29-79)	47 (23-74)	0.41
Visceral fat density	50 (25-83)	72 (38-88)	0.01
Visceral fat area	30 (19-43)	39 (19-56)	0.10

Median and interquartile were shown, and p-values were from Mann-Whitney U test.