

Supplementary Table 1: Descriptive analysis of fractal dimension (FD), lacunarity, and bone area fraction (BA/TA) values in relation to breed.

	Breed	Mean	Lower limit	Upper limit	Median	Standard Deviation	Minimum	Maximum
Medial BA/TA	BH	0.52	0.50	0.55	0.56	0.10	0.29	0.67
	PSL	0.54	0.46	0.61	0.60	0.13	0.37	0.71
Medial FD (BoneJ)	BH	1.55	1.54	1.56	1.55	0.03	1.46	1.60
	PSL	1.56	1.53	1.59	1.55	0.05	1.43	1.61
Medial lacunarity	BH	0.02	0.01	0.02	0.01	0.02	0.00	0.07
	PSL	0.02	0.01	0.03	0.01	0.02	0.00	0.07
Lateral BA/TA	BH	0.49	0.45	0.52	0.49	0.12	0.30	0.71
	PSL	0.49	0.40	0.57	0.42	0.15	0.32	0.74
Lateral FD (BoneJ)	BH	1.54	1.52	1.55	1.54	0.05	1.34	1.61
	PSL	1.53	1.51	1.56	1.54	0.05	1.46	1.61
Lateral lacunarity	BH	0.02	0.01	0.03	0.01	0.02	0.00	0.12
	PSL	0.02	0.01	0.03	0.01	0.02	0.00	0.06

BH = Brazilian Sport Horse; PSL = Pure Blood Lusitano.

Supplementary Table 2: Descriptive analysis of fractal dimension (FD), lacunarity, and bone area fraction (BA/TA) values in relation to sex.

	Sex	Mean	Lower limit	Upper limit	Median	Standard deviation	Minimum	Maximum
Medial BA/TA	Female	0.53	0.49	0.56	0.55	0.11	0.29	0.71
	Male	0.53	0.48	0.57	0.57	0.10	0.29	0.66
Medial FD (BoneJ)	Female	1.55	1.54	1.56	1.55	0.04	1.43	1.61
	Male	1.55	1.54	1.56	1.55	0.03	1.50	1.60
Medial lacunarity	Female	0.02	0.01	0.02	0.01	0.01	0.00	0.07
	Male	0.02	0.01	0.03	0.01	0.02	0.00	0.07
Lateral BA/TA	Female	0.50	0.45	0.54	0.45	0.14	0.32	0.74
	Male	0.47	0.43	0.51	0.47	0.10	0.30	0.66
Lateral FD (BoneJ)	Female	1.55	1.53	1.56	1.55	0.04	1.46	1.61
	Male	1.52	1.49	1.54	1.52	0.06	1.34	1.61
Lateral lacunarity	Female	0.02	0.01	0.02	0.01	0.01	0.00	0.06
	Male	0.03	0.02	0.04	0.02	0.03	0.00	0.12