

**Table S5:** Correlation factors between sperm parameters and biometric data. The correlation was obtained using the Spearman r with Approximate p-value (n = 35). \* p < 0.05; \*\* p < 0.005; \*\*\* < 0.0005; \*\*\*\* p < 0.0001.

	R testis	L testis	R epididymis	Seminal Vesicles	Liver	GSI	BAT	Epididymal fat	Perirenal fat	Retroperiton. fat	Fat mass
<b>Sperm concentration</b>	0.2869	<b>0.4242 *</b>	-0.2082	0.0058	0.0473	0.1696	-0.0371	0.1406	0.1546	0.1489	0.1927
<b>Sperm viability</b>	0.0527	-0.0785	-0.1004	-0.292	-0.0454	-0.0431	-0.1669	0.0149	-0.0423	-0.1168	-0.044
<b>Sperm motility</b>	0.2542	0.1162	<b>-0.3837 *</b>	-0.0629	-0.0007	0.1647	<b>-0.3798 *</b>	-0.0599	-0.0192	-0.0501	-0.0792
<b>Normal</b>	-0.0756	0.3157	-0.2495	-0.0425	<b>-0.4008 *</b>	0.2987	-0.3354	-0.1499	-0.2671	-0.2648	-0.3013
<b>Decapitated</b>	0.1163	0.0694	0.3448	-0.1378	0.0852	0.1648	-0.0472	-0.1843	-0.1563	-0.2634	-0.1809
<b>Pin head</b>	-0.2398	-0.1684	0.0754	0.1480	-0.0029	-0.2028	<b>0.4357 *</b>	0.1462	0.2265	<b>0.4338 *</b>	0.3563
<b>Flattened head</b>	-0.2222	-0.0497	-0.2111	0.0246	-0.1914	0.1953	0.0086	-0.142	-0.0804	0.1130	0.0113
<b>Bent neck</b>	-0.1451	-0.1358	0.1985	0.0544	0.2566	<b>-0.5358 **</b>	0.1645	<b>0.4836 *</b>	<b>0.3720 *</b>	<b>0.3955 *</b>	<b>0.4323 *</b>
<b>Coiled tail</b>	0.1455	-0.1922	0.0120	0.074	0.2426	-0.0664	0.0666	0.0309	0.1410	0.0370	0.0937