

### Acceleration metric for the 5 most important variables.

Medians and 1<sup>st</sup> and 3<sup>rd</sup> quartiles are given for each behaviour. Behaviours which do not overlap between their 1<sup>st</sup> and 3<sup>rd</sup> quartiles are highlighted in dark grey and behaviours for which a behaviour median value does not fall into any other interquartile range are indicated in light grey.

	StX			Pitch			PSD1Z			PSD2X			VeDBAs		
	median	1st qu	3rd qu	median	1st qu	3rd qu	median	1st qu	3rd qu	median	1st qu	3rd qu	median	1st qu	3rd qu
Resting (lying)	-0.08457	-0.24140	0.42520	-0.08468	-0.24380	0.43920	0.00014	0.00010	0.00025	0.00009	0.00006	0.00015	0.03832	0.03548	0.04908
Resting (sitting)	0.61960	0.49890	0.72880	0.66820	0.52250	0.81670	0.00017	0.00010	0.00048	0.00010	0.00006	0.00017	0.04147	0.03462	0.06086
Standing	0.15390	0.02314	0.28560	0.15450	0.02316	0.28960	0.00036	0.00017	0.00112	0.00021	0.00011	0.00065	0.07077	0.04887	0.11140
Grooming (Receiver)	0.01140	-0.20500	0.23680	0.01142	-0.20600	0.23910	0.00011	0.00008	0.00019	0.00008	0.00005	0.00012	0.03601	0.03209	0.04486
Grooming (Actor)	0.20980	0.11640	0.29280	0.21130	0.11670	0.29720	0.00038	0.00014	0.00064	0.00021	0.00014	0.00034	0.05552	0.04729	0.07269
Foraging	-0.18060	-0.42130	0.01885	-0.18160	-0.43490	0.01886	0.00080	0.00042	0.00160	0.00073	0.00039	0.00160	0.09631	0.07382	0.13840
Walking	0.15960	0.03288	0.27800	0.16030	0.03290	0.28180	0.01569	0.00924	0.02684	0.00252	0.00430	0.00753	0.22480	0.19650	0.26970
Running	0.10580	0.01621	0.23030	0.10630	0.01621	0.23310	0.58700	0.26140	0.67920	0.04045	0.02197	0.05856	0.88140	0.69410	1.07400