

Table S1. Correlations between different activity intensities (counts per minute)

		Counts per minute									
		0-499	500-999	1000-1499	1500-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000-4499	>4500
Counts per minute	0-499	-	-0.434**	-0.528**	-0.521**	-0.428**	-0.316**	-0.204**	-0.195**	-0.132**	-0.127**
	500-999		-	0.865**	0.689**	0.478**	0.292**	0.134**	0.058	0.038	0.020
	1000-1499			-	0.906**	0.683**	0.441**	0.234**	0.142**	0.096**	0.081*
	1500-1999				-	0.857**	0.619**	0.364**	0.218**	0.122**	0.114**
	2000-2499					-	0.824**	0.500**	0.286**	0.163**	0.154**
	2500-2999						-	0.756**	0.457**	0.250**	0.170**
	3000-3499							-	0.735**	0.408**	0.236**
	3500-3999								-	0.778**	0.438**
	4000-4499									-	0.597**
	>4500										-

** p<0.01

* p<0.05

Table S2. Percentage difference in the concentration of lipid subclasses associated with a 10 minute increase in time spent in bands of 500 counts per minute of PA intensities ranging from 0 to ≥ 4500 counts per minute.

[illegible]

