

**Table 4.** Regression coefficients for the best BACC model (to predict EE in kcal/min)

Branch model	Predictors, units	Average values of coefficients	CV of coefficients
<b>Sit</b>	<Intercept>	5.2862	0.0687
	Weight, kg	0.0352	0.0504
	log(BMI), log(kg·m <sup>-2</sup> )	-1.7594	-0.0854
	log(Acc1.cv)	0.1331	0.0550
<b>Stand</b>	<Intercept>	6.5636	0.0713
	Weight, kg	0.0418	0.0525
	log(BMI), log(kg·m <sup>-2</sup> )	-2.2433	-0.0875
	log(Acc2.cv), ADC units	0.1530	0.0513
<b>Walk</b>	<Intercept>	1.4050	0.5644
	Weight, kg	0.0798	0.0364
	log(BMI), log(kg·m <sup>-2</sup> )	-2.7433	-0.1086
	Acc3.std, ADC units	0.0012	0.1661
	Acc3.ent·Acc2.ent·Acc1.ent	0.5812	0.0248
<b>Cycle</b>	<Intercept>	11.4745	0.2013
	Weight, kg	0.1220	0.0703
	log(BMI), log(kg·m <sup>-2</sup> )	-5.4759	-0.1583
	Acc1.std, ADC units	0.0058	0.0746