

Table S6. Relations between continuous stress reactivity/recovery/AUCi and food lab responses after the Trier Social Stress Test in adolescents.

		Total food intake		HFSW intake	LFSW intake	HFSA intake	LFSA intake	Wanting
		(kcal)	(kcal/g)	(kcal)	(kcal)	(kcal)	(kcal)	increase
% Salivary alpha-amylase reactivity	β	-0.013	0.072	0.008	-0.064	0.000	-0.107	-0.033
	p	0.880	0.399	0.926	0.468	0.997	0.263	0.707
% Salivary alpha-amylase recovery	β	-0.045	-0.112	-0.090	0.007	0.030	-0.139	0.130
	p	0.620	0.207	0.327	0.938	0.754	0.158	0.181
AUCi Salivary alpha-amylase	β	-0.021	0.011	0.045	0.020	-0.064	-0.180	0.001
	p	0.812	0.900	0.608	0.823	0.486	0.057	0.992
% Salivary cortisol reactivity	β	0.101	0.048	0.223	-0.026	-0.031	0.033	-0.118
	p	0.285	0.604	0.018	0.785	0.759	0.753	0.221
% Salivary cortisol recovery	β	-0.061	0.093	-0.023	0.020	-0.087	-0.040	0.020
	p	0.557	0.376	0.822	0.848	0.428	0.733	0.850
AUCi Salivary cortisol	β	0.112	0.125	0.049	0.120	0.108	0.077	0.050
	p	0.204	0.147	0.581	0.175	0.247	0.425	0.583
% Stress increase	β	-0.016	0.010	0.098	-0.030	-0.118	-0.021	-0.265
	p	0.857	0.904	0.268	0.731	0.200	0.831	0.003
% Stress recovery	β	0.064	0.135	0.077	0.023	0.054	-0.023	0.173
	p	0.461	0.114	0.382	0.792	0.555	0.813	0.050
AUCi Stress	β	0.026	0.092	-0.035	0.034	0.030	0.112	0.079
	p	0.771	0.287	0.695	0.705	0.747	0.251	0.379
% Negative emotions reactivity	β	0.058	0.054	-0.002	0.038	0.151	0.070	0.030
	p	0.503	0.524	0.982	0.665	0.090	0.457	0.738
% Negative emotions recovery	β	0.131	0.147	0.126	-0.020	0.164	-0.031	0.022
	p	0.139	0.095	0.163	0.827	0.080	0.760	0.812
AUCi Negative emotions	β	0.125	0.013	0.119	0.103	0.085	0.016	0.044
	p	0.153	0.879	0.179	0.247	0.350	0.600	0.617
% Happy reactivity	β	0.123	0.121	0.127	-0.027	0.152	-0.059	-0.043
	p	0.156	0.158	0.149	0.760	0.094	0.537	0.624
% Happy recovery	β	-0.042	0.001	0.001	-0.048	-0.074	0.013	0.277
	p	0.626	0.986	0.991	0.580	0.409	0.887	0.001
AUCi happy	β	0.110	0.039	0.147	-0.038	0.071	-0.047	-0.148
	p	0.201	0.642	0.091	0.667	0.430	0.620	0.089
% Stress index reactivity	β	-0.038	-0.060	-0.045	0.026	-0.037	0.018	-0.055
	p	0.685	0.492	0.635	0.788	0.703	0.861	0.559
% Stress index recovery	β	0.245	0.099	0.317	0.132	0.101	0.244	0.173
	p	0.015	0.305	0.002	0.203	0.347	0.024	0.092
AUCi Stress index	β	0.056	-0.059	0.046	0.064	0.067	0.149	0.054
	p	0.565	0.525	0.639	0.641	0.512	0.167	0.581
% RMSSD reactivity	β	-0.025	0.043	0.008	-0.057	-0.042	-0.067	-0.019
	p	0.787	0.625	0.932	0.542	0.665	0.509	0.841
% RMSSD recovery	β	-0.210	-0.070	-0.263	-0.068	-0.109	-0.247	-0.272
	p	0.031	0.453	0.007	0.499	0.284	0.019	0.005
AUCi RMSSD	β	-0.012	-0.059	-0.059	-0.018	0.054	-0.090	0.009
	P	0.897	0.518	0.548	0.852	0.593	0.395	0.926

Standardized regression coefficients from linear regressions adjusted for age, sex and parental education, hunger at study start and liking of presented snacks. All recovery analyses were additionally adjusted for their corresponding % reactivity. AUCi: area under the curve with respect to increase; RMSSD: Root Mean Square of the Successive Differences.