

Supplemental material A

Table A.1. Feature list for modeling

Category		Feature description	Abbreviation
Stable individual feature	Music experience	Habit of music listening	S_Exp_L
		Ability to play an instrument	S_Exp_I
	Musical emotional preference	Preference for sleepy music	S_Emo_sleepy
		Preference for Alert music	S_Emo_alert
		Preference for energetic music	S_Emo_energetic
		Preference for happy music	S_Emo_happy
		Preference for surprised music	S_Emo_surprised
		Preference for satisfied music	S_Emo_satisfied
		Preference for fearful music	S_Emo_fearful
		Preference for relaxed music	S_Emo_relaxed
		Preference for inactive music	S_Emo_inactive
		Preference for calm music	S_Emo_calm
		Preference for bored music	S_Emo_bored
		Preference for vegetated music	S_Emo_vegetated
		Preference for sad music	S_Emo_sad
		Preference for hopeless music	S_Emo_hopeless
		Preference for peppy music	S_Emo_peppy
		Preference for angry music	S_Emo_angry
	Demographic property	Sex	S_D_S
		Academic background	S_D_A
	Personality	Extraversion	S_P_E
		Agreeableness	S_P_A
		Conscientiousness	S_P_C
		Neuroticism	S_P_N
		Openness	S_P_O
Real-time feature	Mechanism indices	Brain stem reflex	R_M_BSR
		Rhythmic entrainment	R_M_RE

	Episodic memory	R_M_EM	
	Conditioning	R_M_CD	
	Visual imagery	R_M_VI	
	Contagion	R_M_CT	
	Musical expectancy	R_M_ME	
	Cognitive appraisal	R_M_CA	
Category		Feature description	Abbreviation
Real-time feature	Preference	Preference for target music	R_P
	Familiarity	Familiarity for target music	R_F
	Perceived emotions	Perceived happy rating	R_P_happy
		Perceived relaxed rating	R_P_relaxed
		Perceived sad rating	R_P_sad
		Perceived angry rating	R_P_angry
	Felt emotions	Felt happy rating	R_F_happy
		Felt relaxed rating	R_F_relaxed
		Felt sad rating	R_F_sad
		Felt angry rating	R_F_angry
Audio features	1st audio feature	A_1	
	2nd audio feature	A_2	
	3rd audio feature	A_3	
	
	57th audio feature	A_57	
	58th audio feature	A_58	

Supplemental material B

Table C.1. Results of correlation analysis of individual factors

	Perceived emotion				Felt emotion			
	Happy	Relaxed	Sad	Angry	Happy	Relaxed	Sad	Angry
R_P	.246**	.195**	-.122**	-.039	.491**	.340**	-.034	-.024
R_F	.155**	.049	-.055	.017	.280**	.136**	.000	.013
R_M_CA	.126**	.035	-.090**	.024	.191**	.057*	-.049	.064*
R_M_ME	-.094**	-.067*	.086**	-.033	-.120**	-.083**	.058*	.009
R_M_CT	.090**	.070*	.013	.027	.230**	.160**	.102**	.009
R_M_VI	.129**	.085**	.038	-.019	.219**	.155**	.093**	-.006
R_M_CD	.110**	.085**	.057*	.028	.191**	.165**	.113**	.040
R_M_EM	.141**	.100**	.025	.045	.227**	.188**	.081**	.039
R_M_RE	.165**	.096**	-.066*	.043	.351**	.192**	-.021	.008
R_M_BSR	.048	-.067*	.023	.265**	.008	-.169**	.020	.260**
S_P_E	-.020	.014	-.057*	-.038	-.030	-.057*	-.044	.037
S_P_A	-.010	.038	-.062*	-.079**	.011	-.011	-.014	-.020
S_P_C	.024	.012	.044	.071*	.020	-.023	.065*	.068*
S_P_N	.030	.035	.059*	.019	-.008	.017	.095**	-.006
S_P_O	.059*	.009	-.004	.007	.052	.031	.038	.041
S_Exp_L	-.025	-.052	-.055	-.068*	-.028	-.067*	-.002	-.051
S_Exp_I	-.045	.041	.005	-.012	-.028	.005	-.003	.019
S_Emo_sleepy	-.029	.023	-.003	.038	.037	.025	-.029	.026
S_Emo_alert	-.082**	-.058*	.025	.023	-.079**	-.024	.042	.001
S_Emo_energetic	.035	.032	-.019	.098**	.080**	.032	.018	.078**
S_Emo_happy	.026	.008	-.090**	.002	.028	-.005	-.094**	-.030
S_Emo_surprised	.020	-.033	.059*	.112**	.053	.067*	.049	.070*
S_Emo_satisfied	.035	.002	-.019	-.071*	.075**	.090**	-.103**	-.069*
S_Emo_fearful	.080**	.066*	-.033	.018	.081**	.108**	.033	.055

S_Emo_relaxed	.016	.022	-.017	.027	.044	.055	-.058*	.011
S_Emo_inactive	.014	.013	.060*	.120**	.082**	.062*	.084**	.083**
S_Emo_calm	.026	.072*	.042	.025	.083**	.119**	.030	.082**
S_Emo_bored	-.040	.035	.012	.027	-.002	.051	.044	.055
S_Emo_vegetated	.061*	.017	.043	.132**	.092**	.041	.088**	.196**
S_Emo_sad	-.003	-.110**	.065*	.084**	-.031	-.075**	.084**	.023
S_Emo_hopeless	.008	-.009	.068*	.081**	.025	.024	.097**	.032
S_Emo_peppy	.081**	.042	-.020	.066*	.105**	.064*	.044	.110**
S_Emo_angry	.060*	.001	.073*	.160**	.033	.008	.130**	.159**
S_D_S	-.063*	.004	-.013	-.173**	-.060*	.006	.014	-.183**
S_D_A	.026	.044	.030	.104**	.084**	.076**	-.026	.052

** . Correlation is significant at the 0.01 level (two-tailed).

* . Correlation is significant at the 0.05 level (two-tailed).