

Table C: Results for the best fitting RI-CLP models with Personality Dimension (P), formal musical participation (FP) and informal musical participation (IP).

model parameters	Neuroticism (model 2)					Extraversion (model 10)					Openness (model 2)					Conscientiousness (model 1)					Agreeableness (model 5)						
	β	SE	p	R ²	SE	β	SE	p	R ²	SE	β	SE	p	R ²	SE	β	SE	p	R ²	SE	β	SE	p	R ²	SE		
<i>Between-person components</i>																											
<i>directed paths</i>																											
P																											
P t1	.772	.030	<.001			.759	.018	<.001			.696	.123	<.001			.755	.041	<.001			.607	.078	<.001				
P t2	.721	.018	<.001			.747	.022	<.001			.654	.116	<.001			.731	.025	<.001			.569	.076	<.001				
P t3	.722	.012	<.001			.749	.026	<.001			.651	.120	<.001			.746	.017	<.001			.533	.079	<.001				
FP																											
FP t1	.774	.048	<.001			.766	.051	<.001			.785	.034	<.001			.700	.056	<.001			.769	.048	<.001				
FP t2	.770	.063	<.001			.760	.071	<.001			.787	.052	<.001			.689	.072	<.001			.764	.067	<.001				
FP t3	.764	.055	<.001			.759	.068	<.001			.780	.054	<.001			.691	.085	<.001			.762	.064	<.001				
IP																											
IP t1	.582	.029	<.001			.597	.018	<.001			.602	.028	<.001			.599	.022	<.001			.589	.015	<.001				
IP t2	.587	.027	<.001			.606	.013	<.001			.609	.029	<.001			.609	.017	<.001			.599	.011	<.001				
IP t3	.597	.038	<.001			.615	.025	<.001			.621	.038	<.001			.619	.029	<.001			.613	.025	<.001				
<i>correlations</i>																											
P ~ FP	-.199	.047	<.001			.072	.018	<.001			.180	.044	<.001			-.087	.086	.313			.093	.027	.001				
P ~ IP	.295	.059	<.001			.196	.035	<.001			.113	.139	.414			-.118	.076	.121			.266	.025	<.001				
FP ~ IP	-.080	.077	.297			-.084	.078	.279			-.113	.089	.205			-.094	.100	.343			-.081	.075	.279				
<i>Within-person Components</i>																											
<i>directed paths</i>																											
P1																											
P1 t1	.636	.036	<.001			.651	.021	<.001			.718	.119	<.001			.656	.048	<.001			.795	.060	<.001				
P2				.013	.029				.027	.016				.090	.122				.163	.022					.054	.016	
P t2	.693	.019	<.001			.644	.025	<.001			.756	.100	<.001			.682	.027	<.001			.822	.053	<.001				
P3				.048	.050				.086	.012				.238	.135				.180	.026					.134	.051	
P t3	.691	.012	<.001			.662	.030	<.001			.759	.103	<.001			.666	.020	<.001			.846	.049	<.001				
FP1																											
FP t1	.633	.058	<.001			.642	.060	<.001			.619	.043	<.001			.714	.055	<.001			.639	.058	<.001				
FP2				.117	.062				.100	.043				.089	.027				.265	.032					.094	.044	
FP t2	.638	.077	<.001			.650	.083	<.001			.617	.066	<.001			.725	.068	<.001			.646	.079	<.001				
FP3				.167	.177				.178	.196				.120	.163				.315	.134					.172	.191	
FP t3	.645	.066	<.001			.651	.080	<.001			.626	.067	<.001			.722	.081	<.001			.648	.076	<.001				
IP1																											
IP t1	.813	.021	<.001			.802	.013	<.001			.799	.021	<.001			.801	.016	<.001			.808	.011	<.001				
IP2				.061	.024				.044	.017				.053	.034				.077	.016					.050	.021	
IP t2	.810	.020	<.001			.795	.010	<.001			.793	.023	<.001			.792	.013	<.001			.801	.009	<.001				
IP3				.044	.048				.027	.032				.083	.087				.032	.032					.028	.033	
IP t3	.802	.029	<.001			.788	.019	<.001			.784	.030	<.001			.786	.023	<.001			.790	.019	<.001				
<i>correlations</i>																											
P1 ~ FP1	.157	.063	.013			--	--	--			.190	.026	<.001			.239	.053	<.001			--	--					
P2 ~ FP2	.087	.029	.003			--	--	--			.146	.051	.004			.290	.074	<.001			--	--					
P3 ~ FP3	-.041	.054	.452			--	--	--			.107	.023	<.001			.019	.011	.086			--	--					
P1 ~ IP1	-.066	.008	<.001			--	--	--			.131	.125	.296			-.097	.107	.364			.051	.052	.325				
P2 ~ IP2	.050	.056	.368			--	--	--			.293	.069	<.001			.067	.022	.002			.044	.086	.606				
P3 ~ IP3	.203	.039	<.001			--	--	--			.169	.068	.013			.006	.035	.865			.041	.078	.601				
FP1 ~ IP1	-.035	.089	.696			-.046	.096	.629			-.006	.096	.947			-.070	.083	.397			-.039	.094	.673				
FP2 ~ IP2	.126	.042	.003			.118	.039	.003			.126	.038	.001			.081	.047	.086			.109	.040	.007				
FP3 ~ IP3	.133	.040	.001			.145	.024	<.001			.153	.010	<.001			.141	.029	<.001			.141	.022	<.001				
<i>autoregressive paths</i>																											
P																											
t1 → t2	-.114	.127	.371			.165	.049	.001			.299	.204	.143			.044	.116	.703			.193	.063	.002				
t2 → t3	.220	.115	.055			.293	.020	<.001			.487	.139	<.001			.120	.114	.293			.365	.070	<.001				
FP																											
t1 → t2	.260	.086	.002			.316	.069	<.001			.213	.066	.001			.369	.056	<.001			.307	.072	<.001				
t2 → t3	.402	.237	.090			.422	.233	.071			.345	.237	.146			.490	.183	.007			.415	.230	.071				

IP															
t1 → t2	.230	.053	<.001	.210	.040	<.001	.190	.053	<.001	.221	.081	.007	.233	.046	<.001
t2 → t3	.210	.116	.071	.165	.098	.095	.073	.069	.293	.166	.101	.100	.166	.096	.084
<i>cross-lagged paths</i>															
P → FP															
t1 → t2	.184	.015	<.001	--	--	--	.171	.037	<.001	.256	.095	.007	--	--	
t2 → t3	.051	.099	.605	--	--	--	.008	.115	.944	.138	.119	.247	--	--	
P → IP															
t1 → t2	-.078	.081	.335	--	--	--	.107	.138	.437	.190	.075	.011	.012	.010	.228
t2 → t3	-.022	.048	.656	--	--	--	.257	.110	.020	.061	.050	.222	.012	.059	.836
FP → P															
t1 → t2	--	--	--	--	--	--	--	--	--	.353	.048	<.001	--	--	
t2 → t3	--	--	--	--	--	--	--	--	--	.350	.050	<.001	--	--	
IP → P															
t1 → t2	--	--	--	--	--	--	--	--	--	-.135	.049	.006	-.140	.019	<.001
t2 → t3	--	--	--	--	--	--	--	--	--	.056	.108	.604	.005	.026	.843