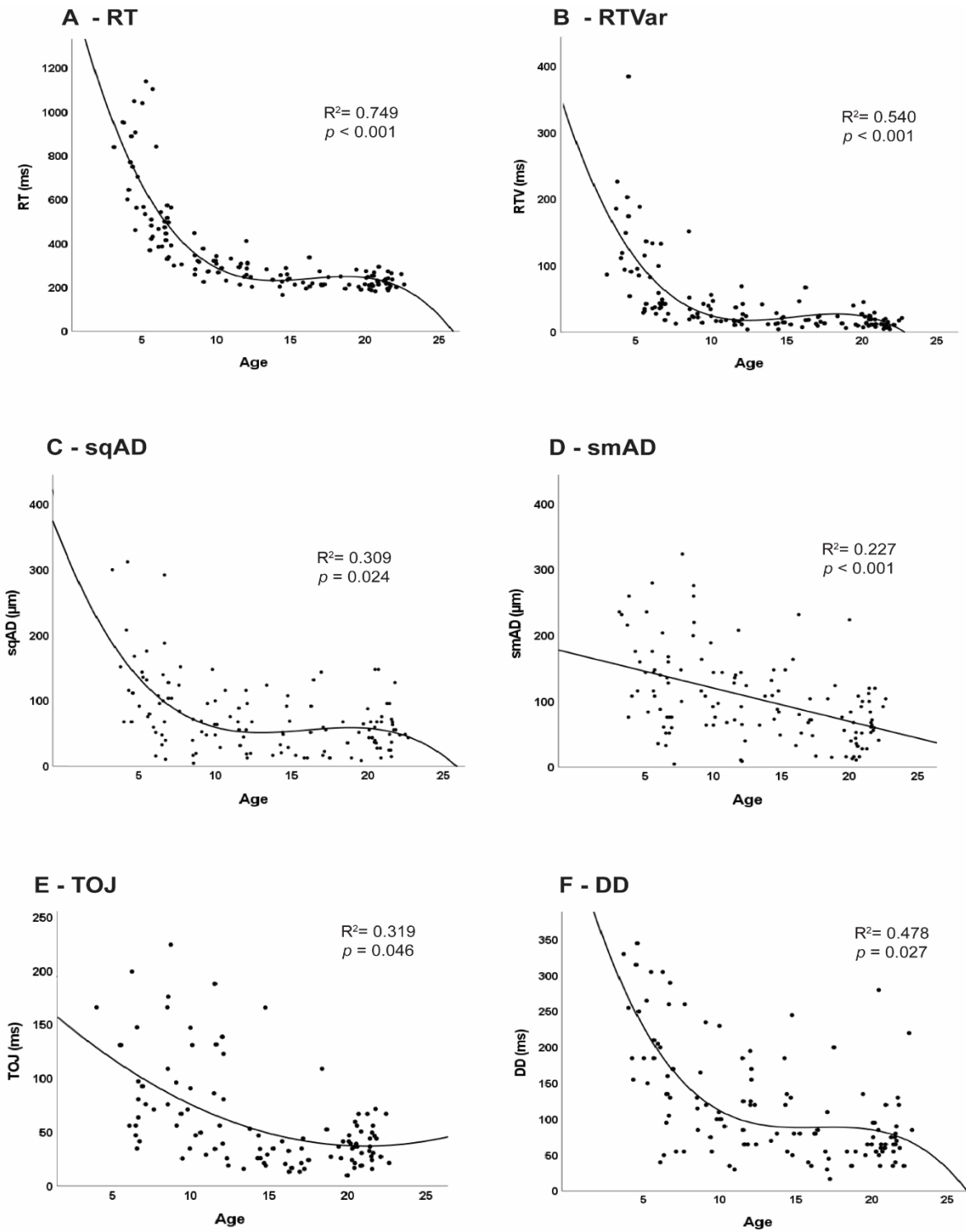


## Supplementary Material

**Appendix Table 1.** Polynomial age model coefficients and significance measures.

<i>Task</i>	<i>Model</i>	$\beta$	<i>Std. Error</i>	<i>t</i>	<i>p-value</i>
<i>RT</i>	Constant	1607.534	117.249	13.710	>0.001
	Age	-262.420	34.381	-7.633	>0.001
	Age <sup>2</sup>	16.416	2.932	5.599	>0.001
	Age <sup>3</sup>	-0.335	0.075	-4.465	>0.001
<i>RTVar</i>	Constant	821.030	114.044	7.199	>0.001
	Age	-217.991	33.441	-6.519	>0.001
	Age <sup>2</sup>	19.117	2.852	6.703	>0.001
	Age <sup>3</sup>	-0.501	0.073	-6.856	>0.001
<i>sqAD</i>	Constant	335.310	55.731	6.017	>0.001
	Age	-56.651	15.842	-3.576	>0.001
	Age <sup>2</sup>	3.680	1.328	2.772	0.006
	Age <sup>3</sup>	-0.077	0.034	-2.281	0.024
<i>smAD</i>	Constant	170.984	12.136	14.089	>0.001
	Age	-5.073	0.833	-6.088	>0.001
<i>TOJ</i>	Constant	176.406	28.529	6.184	>0.001
	Age	-13.164	4.438	-2.966	0.004
	Age <sup>2</sup>	0.311	0.154	2.024	0.046
<i>DD</i>	Constant	508.145	69.673	7.293	>0.001
	Age	-77.298	19.987	-3.867	>0.001
	Age <sup>2</sup>	4.728	1.684	2.807	0.006
	Age <sup>3</sup>	-0.096	0.043	-2.241	0.027



**Appendix Figure 1. Polynomial age effects in tactile processing from early childhood to adulthood.** Polynomial models were fitted for each task as a function of age. Data points represent individual participants and curves represent best fitted models. **A**, Reaction time (ms) **B**, Reaction time variability (ms) **C**, Sequential amplitude discrimination ( $\mu\text{m}$ ) **D**, Simultaneous amplitude discrimination ( $\mu\text{m}$ ) **E**, Temporal order judgement (ms) **F**, Duration discrimination (ms).

**Appendix Table 2.** Task pair ratios and age models coefficients and significance measures.

<i>Task Ratio</i>	<i>Model</i>	<i><math>\beta</math></i>	<i>Std. Error</i>	<i>t</i>	<i>p-value</i>
<i>RT/RTVar</i>	Constant	4.852	1.567	3.097	0.002
	Age	0.696	0.109	6.370	>0.001
<i>RT/sqAD</i>	Constant	9.436	1.610	5.860	>0.001
	Age	-0.157	0.108	-1.448	0.150
<i>RT/smAD</i>	Constant	7.032	1.636	4.299	>0.001
	Age	-0.104	0.110	-0.942	0.348
<i>RT/TOJ</i>	Constant	4.492	1.107	4.058	>0.001
	Age	0.157	0.070	2.235	0.028
<i>RT/DD</i>	Constant	3.551	0.454	7.821	>0.001
	Age	-0.001	0.030	-0.029	0.977
<i>sqAD/smAD</i>	Constant	0.635	0.338	1.876	0.063
	Age	0.035	0.022	1.552	0.123
<i>sqAD/TOJ</i>	Constant	0.893	0.496	1.799	0.075
	Age	0.050	0.031	1.594	0.114
<i>TOJ/DD</i>	Constant	16.168	0.951	17.007	>0.001
	Age	-1.911	1.228	-1.556	0.123