

**Supplemental Material S4.** APD diagnostic test profile of the participants in the clinical groups (experimental and control group).

Participants	GDT		DPT		SPIN-IE		DCV			RAMST	
	Right ear	Left ear	Right ear	Left ear	Right ear	Left ear	SCS Right ear	SCS Left ear	DCS	Auditory memory	Auditory sequencing
<b>Experimental group</b>											
P1	1SD	<b>2SD</b>	1SD	<b>2SD</b>	<b>2SD</b>	<b>2SD</b>	<b>2SD</b>	#	1SD	<b>2SD</b>	1SD
P2	#	#	<b>3SD</b>	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	1SD	#	#	1SD	#
P3	1SD	#	#	#	<b>3SD</b>	<b>3SD</b>	1SD	1SD	#	#	#
P4	<b>2SD</b>	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	#	#	1SD	#	1SD
P5	<b>2SD</b>	<b>2SD</b>	#	#	<b>2SD</b>	<b>2SD</b>	#	#	#	#	#
P6	#	#	<b>3SD</b>	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	#	1SD	#	1SD
P7	<b>3SD</b>	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	<b>2SD</b>	1SD	1SD	1SD	1SD
P8	#	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	1SD	#	#	1SD	1SD
P9	#	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	1SD	<b>2SD</b>	1SD	#	#
P10	1SD	<b>2SD</b>	#	#	<b>3SD</b>	<b>3SD</b>	1SD	1SD	1SD	#	1SD

<b>Control group</b>											
P1	<b>2SD</b>	#	#	#	<b>3SD</b>	<b>3SD</b>	#	#	#	#	1SD
P2	#	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>3SD</b>	#	1SD	1SD	#	1SD
P3	#	#	<b>2SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	#	#	1SD	#	#
P4	#	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>3SD</b>	#	#	#	#	#
P5	<b>3SD</b>	1SD	#	#	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	<b>2SD</b>	#	1SD
P6	#	<b>3SD</b>	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	1SD	1SD	#	#	#
P7	#	#	<b>2SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	#	#	#	#	#
P8	#	<b>3SD</b>	<b>3SD</b>	<b>3SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	1SD	1SD	1SD	1SD
P9	#	<b>3SD</b>	#	#	<b>3SD</b>	<b>3SD</b>	1SD	1SD	1SD	1SD	1SD
P10	1SD	1SD	<b>2SD</b>	<b>3SD</b>	<b>2SD</b>	<b>2SD</b>	1SD	1SD	1SD	#	#

*Note:* # : scores within 1 SD from the mean; 1SD: scores >1SD from the mean; 2SD: scores >2SD from the mean; 3SD: scores >3SD from the mean.