

**Supplementary Table 1. Results of correlational analyses in TD, 16p11.2 deletion, 16p11.2 deletion with articulation disorder, and 16p11.2 deletion without articulation disorder.**

<b>White matter pathway</b>	<b>Behavioral test scores</b>	<b>r</b>	<b>p-value</b>
<b>TD</b>			
<b>MD Right Long AF</b>	Language Memory (CELF-4)	-0.902	0.014 <sup>a</sup>
<b>AD Left UF</b>	GCA (DAS-II)	-0.596	0.015 <sup>a</sup>
<b>AD Left UF</b>	SNC (DAS-II)	-0.525	0.037 <sup>a</sup>
<b>AD Left UF</b>	Verbal (DAS-II)	-0.579	0.019 <sup>a</sup>
<b>AD Right UF</b>	GCA (DAS-II)	-0.526	0.037 <sup>a</sup>
<b>AD Right UF</b>	SNC (DAS-II)	-0.542	0.03 <sup>a</sup>
<b>RD Right Anterior AF</b>	Expressive Language (CELF-4)	-0.512	0.043 <sup>b</sup>
<b>16p</b>			
<b>Vol Left Long AF</b>	GCA (DAS-II)	0.470	0.049 <sup>a</sup>
<b>Vol Left Long AF</b>	SNC (DAS-II)	0.578	0.009 <sup>a**</sup>
<b>Vol Left Long AF</b>	Core Language (CELF-4)	0.475	0.046 <sup>b</sup>
<b>Vol Right IFOF</b>	Expressive Language (CELF-4)	0.527	0.036 <sup>a</sup>
<b>Vol Right IFOF</b>	Core Language (CELF-4)	0.504	0.033 <sup>b</sup>
<b>Vol Right IFOF</b>	GCA (DAS-II)	0.491	0.038 <sup>a</sup>
<b>Vol Right IFOF</b>	SNC (DAS-II)	0.447	0.048 <sup>b</sup>
<b>AD Left Anterior AF</b>	SNC (DAS-II)	-0.448	0.048 <sup>b</sup>

<b>RD Right Anterior AF</b>	GCA (DAS-II)	-0.536	0.018 <sup>b</sup>
<b>RD Right Anterior AF</b>	SNC (DAS-II)	-0.490	0.033 <sup>b</sup>
<b>RD Right Anterior AF</b>	Verbal (DAS-II)	-0.463	0.046 <sup>b</sup>
<b>AD Left UF</b>	Receptive Language (CELF-4)	-0.664	0.019 <sup>a</sup>
<b>AD Left UF</b>	Language Memory (CELF-4)	-0.574	0.040 <sup>b</sup>
<b>AD Right UF</b>	Core Language (CELF-4)	-0.526	0.03 <sup>a</sup>
<b>AD Right UF</b>	Receptive Language (CELF-4)	-0.618	0.032 <sup>a</sup>
<b>16p+AD</b>			
<b>Vol Left Long AF</b>	SNC (DAS-II)	0.578	0.044 <sup>a</sup>
<b>AD Left UF</b>	Receptive Language (CELF-4)	-0.682	0.03 <sup>a</sup>
<b>AD Left UF</b>	Core Language (CELF-4)	-0.580	0.048 <sup>b</sup>
<b>AD Right UF</b>	Core Language (CELF-4)	-0.602	0.05 <sup>a</sup>
<b>AD Right UF</b>	Receptive Language (CELF-4)	-0.688	0.028 <sup>a</sup>
<b>AD Right UF</b>	SNC (DAS-II)	-0.612	0.035 <sup>a</sup>
<b>16p-AD</b>			
<b>Vol Left Long AF</b>	GCA (DAS-II)	0.888	0.044 <sup>a</sup>
<b>Vol Left Long AF</b>	Verbal (DAS-II)	0.860	0.028 <sup>b</sup>
<b>AD Left Anterior AF</b>	SNC (DAS-II)	-0.934	0.02 <sup>a</sup>

<sup>a</sup>Age and ICV are used as covariates.

<sup>b</sup>Age is used as a covariate.

\*\* Significant at  $p \leq 0.001$