

**Figure S3**

Two-way ANOVA analysis of differences between EEG coherence distributions in *FUS*- and *WT<sub>FUS</sub>*-mice of different ages

	<i>FUS</i> - vs. <i>WT<sub>FUS</sub></i> - mice			
Age, months	2		5	
Areas/Coherence	<i>F</i> <sub>72</sub>	<i>p</i>	<i>F</i> <sub>66</sub>	<i>p</i>
<i>MCsin-Ptsin</i>	7.3	0.008	5.1	0.028
<i>MCsin-MSdex</i>	16.3	<0.000	2.0	0.161
<i>MCsin-Ptdex</i>	21.8	<0.000	3.8	0.056
<i>Ptsin-MCdex</i>	15.1	<0.000	0.8	0.362
<i>Ptsin-Ptdex</i>	12.7	<0.000	3.0	0.086
<i>MCdex-Ptdex</i>	23.2	<0.000	0.9	0.353