

**Table S3:**

Mean correlation coefficients between neurobehavioral items results and FA-weighted network features.

			<b>FA-weighted</b>		
			<b>Average strength</b>	<b>Global efficiency</b>	<b>Local efficiency</b>
<b>OFBT</b>	Latency	<i>UN</i>	<b>-0.82**</b>	<b>-0.73**</b>	<b>-0.64*</b>
		<i>PU</i>	<b>-0.50*</b>	-0.43	-0.42
	Internal boxes	<i>UN</i>	<b>0.58*</b>	<b>0.65*</b>	<b>0.61*</b>
		<i>PU</i>	<b>0.64*</b>	<b>0.63*</b>	<b>0.66*</b>
	External boxes	<i>UN</i>	<b>0.80**</b>	<b>0.83**</b>	<b>0.77**</b>
		<i>PU</i>	0.45	0.39	0.38
	Total boxes	<i>UN</i>	<b>0.78*</b>	<b>0.82**</b>	<b>0.76*</b>
		<i>PU</i>	0.44	0.39	0.38
<b>ORT</b>	DI	<i>UN</i>	0.14	0.12	0.03
		<i>PU</i>	0.47	0.50	0.38
<b>Skinner test</b>	% of learning	<i>UN</i>	0.32	0.24	0.33
		<i>PU</i>	0.38	0.38	0.25

Association of network features with functional results was performed by means of a partial correlation in quantitative variables or GLM in categorical variables.

Abbreviations: OFBT: open field behavioral test; ORT: object recognition task;  
DI: discriminatory index; UN: undernutrition; PU: placental underperfusion.

\* $p < 0.05$

\*\* $p < 0.01$