Table S3:

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

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

*$p<0.05$

**$p<0.01$