

**Table S1:**

Functional results at the neonatal period in study groups and models.

Neonatal period		<b>Control (n=39)</b>	<b>Case</b>	<b>p</b>
Tone (score)	<i>UN (n=38)</i>	4 (0)	4 (0)	1.000
	<i>PU (n=38)</i>	4 (0)	3 (2)	<0.001
Posture (score)	<i>UN (n=38)</i>	3 (0)	3 (0)	0.357
	<i>PU (n=38)</i>	3 (0)	3 (1)	0.023
Duration (score)	<i>UN (n=38)</i>	3 (1)	3 (1)	0.638
	<i>PU (n=38)</i>	3 (0)	3 (1)	0.007
Circular motion (score)	<i>UN (n=38)</i>	3 (1)	2 (1)	0.231
	<i>PU (n=38)</i>	2 (1)	1 (2)	<0.001
Locomotion (score)	<i>UN (n=38)</i>	3 (0)	3 (1)	0.243
	<i>PU (n=38)</i>	3 (0)	2 (2)	<0.001
Lineal movement (number)	<i>UN (n=38)</i>	3 (3)	1 (3)	0.033
	<i>PU (n=38)</i>	3 (2)	0 (1)	<0.001
Fore-hindpaw distance (cm)	<i>UN (n=38)</i>	3 (5)	3 (7)	0.024
	<i>PU (n=38)</i>	3 (2)	10 (5)	<0.001
Righting reflex (number)	<i>UN (n=38)</i>	10 (0)	9.5 (2)	0.644
	<i>PU (n=38)</i>	10 (0)	8 (5)	0.039
Suck&Swallow (score)	<i>UN (n=38)</i>	3 (0)	3 (0)	0.357

	<i>PU (n=38)</i>	3 (0)	3 (2)	<i>0.008</i>
Smelling test (seconds)	<i>UN (n=38)</i>	5 (2)	8 (10)	<i>0.551</i>
	<i>PU (n=38)</i>	2 (4)	3 (4)	<i>0.099</i>

Results are median and interquartile range (median (IQR)). Statistical comparisons between controls vs. cases for each model were performed by general linear models (GLM) after log-transformation of the variable was performed.

Abbreviations: UN= undernutrition; PU= placental underperfusion.