

Supplementary Table 1. Correlation matrix of neuroinflammatory markers (pnd 28) with bacterial taxa (pnd 28) and behaviors

		pnd 28									
		Bacteroidetes	Firmicutes	Tyzzarella	Turicibacter	BDNF HP	ARG1 HP	TNF- α CB	Social behavior	Spontaneous alternation	Prepulse inhibition
pnd 28	Bacteroidetes		-.526	-.183	.075	-.339	-.070	.584	-.083	-.065	-.605
	Firmicutes	-.526		-.081	.238	-.343	.063	-.616	.176	-1.732E-5	.297
	Tyzzarella	-.183	-.081		-.692	.625	-.028	-.032	.067	.200	-.255
	Turicibacter	.075	.238	-.692		-.514	.427	.080	-.379	-.402	.050
	BDNF HP	-.339	-.343	.625	-.514		-.113	-.129	.023	.046	-.027
	ARG1 HP	-.070	.063	-.028	.427	-.113		.253	-.428	-.298	-.382
	TNF- α CB	.584	-.616	-.032	.080	-.129	.253		-.535	-.301	-.621
	Social behavior	-.083	.176	.067	-.379	.023	-.428	-.535		.796	.161
	Spontaneous alternation	-.065	-1.732E-5	.200	-.402	.046	-.298	-.301	.796		.171
	Prepulse inhibition	-.605	.297	-.255	.050	-.027	-.382	-.621	.161	.171	

16 observations were used in this computation; pnd = post-natal day; HP = hippocampus; CB = cerebellum.

Values in bold are a significance level $\alpha < 0.05$.