

Research Article

OPEN ACCESS

Flegr J., Ullmann J., Toman J. 2023: Parasitic manipulation or side effects? Parasitic manipulation or side effects? The effects of past *Toxoplasma gondii* and *Borrelia* spp. infections on human personality and cognitive performance are not mediated by impaired health. Folia Parasitol. 70: 020.

S1 Table. Results of Path analysis for the full models and models without direct effect of infections on personality and performance

Type of model	Full model		Model without direct effect		
	AIC	RMSEA	AIC	RMSEA	ΔAIC
toxo, physical, conscientiousness	5057	0	5063	0.090	6
toxo, mental, conscientiousness	5535	0	5540	0.087	5
toxo, physical, intelligence	6738	0	6742	0.072	4
toxo, mental, intelligence	7387	0	7391	0.072	4
toxo, physical, pathogen disgust	4780	0	4782	0.060	2
toxo, mental, pathogen disgust	5311	0	5312	0.051	1
toxo, physical, injury disgust	5303	0	5305	0.060	2
toxo, mental, injury disgust	5827	0	5829	0.057	2
toxo, physical, machiavellianism	3895	0	3900	0.084	5
toxo, mental, machiavellianism	4411	0	4416	0.086	5
toxo, physical, tribalism	3860	0	3861	0.050	1
toxo, mental, tribalism	4384	0	4384	0.046	0
borre, physical, conscientiousness	9686	0	9695	0.081	9
borre, mental, conscientiousness	10665	0	10674	0.082	9
borre, physical, intelligence	12746	0	12783	0.146	37
borre, mental, intelligence	14087	0	14122	0.143	35
borre, physical, pathogen disgust	9020	0	9025	0.062	5
borre, mental, pathogen disgust	10061	0	10065	0.058	4
borre, physical, narcissism	7574	0	7576	0.039	2
borre, mental, narcissism	8601	0	8602	0.038	1
borre, physical, anti-authoritarianism	6566	0	6568	0.043	2
borre, mental, anti-authoritarianism	7590	0	7591	0.042	1
borre, physical, tribalism	7340	0	7347	0.075	7
borre, mental, tribalism	8370	0	8376	0.070	6

The table displays the goodness-of-fit measures (The Akaike Information Criterion (AIC) and Root Mean Square Error of Approximation [RMSEA]) for models with and without direct effect, demonstrating the superiority of the former. A lower AIC value indicates better model fit, and a difference in AIC greater than 2 is considered a significant improvement in model fit. *Abbreviations:* toxo – toxoplasmosis; borre – borreliosis (Lyme disease).

Address for correspondence: Laboratory of Evolutionary Biology, Department of Philosophy and History of Sciences, Faculty of Science, Charles University, Viničná 7, 128 00, Prague, Czech Republic. E-mail: flegr@cesnet.cz