

**Table S1. Difference in stool alpha diversity comparing children with ADHD to NT children**

Time	Metric	Unadjusted			Adjusted <sup>a</sup>		
		N	$\beta^b \pm SE$	p-value	N	$\beta^b \pm SE$	p-value
<b>Bacterial</b>							
1-month	Richness	229	4.87 ± 8.50	0.57	216	6.47 ± 8.78	0.46
	Evenness	229	-0.004 ± 0.02	0.82	216	-0.006 ± 0.02	0.75
	Diversity (Shannon's)	229	-0.002 ± 0.10	0.98	216	-0.008 ± 0.11	0.94
	Diversity (Faith's)	229	-0.02 ± 0.45	0.97	216	0.03 ± 0.47	0.95
6-months	Richness	202	19.17 ± 10.55	0.071	190	15.174 ± 10.97	0.17
	Evenness	202	0.02 ± 0.02	0.30	190	0.02 ± 0.02	0.42
	Diversity (Shannon's)	202	0.14 ± 0.11	0.19	190	0.12 ± 0.11	0.31
	Diversity (Faith's)	202	1.26 ± 0.52	0.017	190	1.29 ± 0.53	0.017
<b>Fungal</b>							
1-month	Richness	107	-1.32 ± 1.78	0.46	102	0.02 ± 1.99	0.99
	Evenness	92	-0.12 ± 0.07	0.086	87	-0.15 ± 0.08	0.062
	Diversity (Shannon's)	107	-0.28 ± 0.18	0.14	102	-0.27 ± 0.21	0.22
6-months	Richness	102	2.59 ± 1.28	0.046	96	2.57 ± 1.47	0.083
	Evenness	95	0.06 ± 0.05	0.29	89	0.02 ± 0.06	0.71
	Diversity (Shannon's)	102	0.24 ± 0.14	0.077	96	0.19 ± 0.16	0.24

ADHD, attention deficit hyperactivity disorder; NT, neurotypical;  $\beta$ , parameter estimate, SE, standard error.

<sup>a</sup>Adjusted for exact age at stool sample collection, maternal prenatal body mass index, prenatal antifungal use, maternal smoking during pregnancy, child sex, mode of delivery, gestational age at delivery, parity, and breastfeeding status.

<sup>b</sup>Interpreted as the mean differences in alpha diversity metric, comparing ADHD to NT children.