

Frederick et al Supplemental Table 5:
Covariates that showed evidence of association with outcome measures in the comparison of patients by diet when at least 6 years old

Testing_Framework	Outcome	Predictor	Effect	Pvalue	Covariate1	Effect	Pvalue	Covariate2	Effect	Pvalue	Covariate3	Effect	Pvalue	Comment	Testing_Framework	Testing_Framework
GLM, Gaussian	growth_2_6	diet_6	2.57E-01	0.060633	genderMale	8.77E-01	0.000476	income	-4.85E-06	0.069957	location	6.24E-01	0.340333		GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	growth_7_11	diet_6	8.23E-02	0.5692	genderMale	7.48E-01	0.0035								GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	growth_12_16	diet_6	-0.1732	0.2473	genderMale	0.802	0.00366								GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	growth_17	diet_6	-0.27023	0.025	genderMale	0.33394	0.107							Stricter diet is nominally associated with being smaller Predicted residual GALT activity $\geq 0.4\%$ is strongly associated with higher AMH; diet doesn't associate	GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	AMH	diet_6	-0.04106	0.676	residual_activity	0.90835	4.83E-05								GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	ABAS-3 Composite Score	diet_6	-2.14E-01	0.9219	income	1.59E-04	0.00064								GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	ABAS-3 Conceptual Sub-Score	diet_6	3.67E-01	0.86895	income	1.45E-04	0.00622	education	6.84E-01	0.74833					GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	ABAS-3 Social Sub-Score	diet_6	8.01E-01	0.71	income	1.21E-04	0.0155	location	-6.76E+00	0.2656	education	9.77E-01	6.34E-01		GLM, Gaussian	GLM, Gaussian
GLM, Gaussian	ABAS-3 Practical Sub-Score	diet_6	-1.02E+00	0.641018	income	1.57E-04	0.000796							Predicted residual GALT activity $\geq 0.4\%$ is weakly associated with not receiving speech therapy	GLM, Gaussian	GLM, Gaussian
GLM, Binomial	Received speech therapy?	diet_6	0.3587	0.0948	residual_activity	-0.9625	0.0447								GLM, Binomial	GLM, Binomial
GLM, Binomial	Received special educational services other than for speech	diet_6	1.95E-01	2.90E-01	income	-7.33E-06	5.52E-02								GLM, Binomial	GLM, Binomial

race_ethnicity, income, education, residual_activity, location, gender were individually tested against all outcomes. They were included in the final model if and only if they were individually significant.