

Supplementary Table 8: Spearman's correlation analysis among the most abundant bacterial genera and fungal genera in autistic and neurotypical subjects.

Autistic subjects <i>Taxa</i>	Spearman's <i>r</i> correlations				FDR-corrected <i>p</i> -values			
	<i>Aspergillus</i>	<i>Candida</i>	<i>Penicillium</i>	<i>Malassezia</i>	<i>Aspergillus</i>	<i>Candida</i>	<i>Penicillium</i>	<i>Malassezia</i>
<i>Bifidobacterium</i>	-0.145	-0.021	0.047	0.029	0.945	0.996	0.996	0.996
<i>Bacteroides</i>	0.213	-0.109	-0.143	0.048	0.945	0.945	0.945	0.996
<i>Faecalibacterium</i>	-0.037	0.143	-0.079	-0.140	0.996	0.945	0.996	0.945
<i>Blautia</i>	-0.110	0.121	0.241	-0.011	0.945	0.945	0.945	0.996
<i>Ruminococcus</i>	0.072	-0.167	0.174	0.044	0.996	0.945	0.945	0.996
<i>Clostridium XI</i>	0.098	-0.129	0.230	-0.001	0.970	0.945	0.945	0.996
<i>Streptococcus</i>	-0.050	0.144	0.178	-0.109	0.996	0.945	0.945	0.945
<i>Gemmiger</i>	0.007	0.174	-0.026	-0.391	0.996	0.945	0.996	0.645
<i>Lachnospiracea incertae sedis</i>	-0.165	0.301	0.013	-0.235	0.945	0.941	0.996	0.945
<i>Escherichia/Shigella</i>	-0.094	0.110	-0.008	0.136	0.976	0.945	0.996	0.945
<i>Alistipes</i>	0.147	-0.205	-0.111	0.130	0.945	0.945	0.945	0.945
<i>Anaerostipes</i>	-0.041	0.277	-0.211	-0.162	0.996	0.941	0.945	0.945
<i>Clostridium XVIII</i>	-0.139	0.167	-0.145	-0.108	0.945	0.945	0.945	0.945
<i>Dorea</i>	0.089	0.009	-0.024	0.023	0.996	0.996	0.996	0.996
<i>Collinsella</i>	0.059	-0.054	0.301	0.193	0.996	0.996	0.941	0.945
<i>Clostridium sensu stricto</i>	0.111	0.100	0.187	-0.139	0.945	0.970	0.945	0.945
<i>Dialister</i>	0.156	-0.107	-0.050	0.058	0.945	0.945	0.996	0.996
<i>Erysipelotrichaceae incertae sedis</i>	0.009	-0.290	0.015	0.018	0.996	0.941	0.996	0.996
<i>Coproccoccus</i>	-0.149	-0.004	-0.171	-0.250	0.945	0.996	0.945	0.945
<i>Clostridium IV</i>	0.302	-0.231	-0.003	0.020	0.941	0.945	0.996	0.996
<i>Lactobacillus</i>	0.062	0.045	-0.002	0.009	0.996	0.996	0.996	0.996
<i>Turicibacter</i>	0.334	-0.334	0.425	0.417	0.941	0.941	0.606	0.606
<i>Oscillibacter</i>	0.225	-0.281	-0.065	0.246	0.945	0.941	0.996	0.945
<i>Clostridium XIVa</i>	0.154	-0.018	-0.038	-0.002	0.945	0.996	0.996	0.996

Neutotypical subjects <i>Taxa</i>	Spearman's <i>r</i> correlations				FDR-corrected <i>p</i> -values			
	<i>Aspergillus</i>	<i>Candida</i>	<i>Penicillium</i>	<i>Malassezia</i>	<i>Aspergillus</i>	<i>Candida</i>	<i>Penicillium</i>	<i>Malassezia</i>
<i>Bifidobacterium</i>	0.617	-0.097	-0.060	0.170	0.004	0.821	0.909	0.716
<i>Bacteroides</i>	-0.231	-0.049	0.229	-0.307	0.690	0.947	0.690	0.592
<i>Faecalibacterium</i>	-0.324	0.014	0.238	-0.254	0.592	0.978	0.690	0.690
<i>Blautia</i>	-0.111	0.207	-0.181	0.163	0.783	0.690	0.690	0.716
<i>Ruminococcus</i>	-0.321	-0.127	0.112	-0.069	0.592	0.774	0.783	0.903
<i>Clostridium XI</i>	0.154	0.055	0.185	0.004	0.725	0.927	0.690	0.983
<i>Streptococcus</i>	-0.010	-0.072	0.037	0.198	0.982	0.903	0.956	0.690
<i>Gemmiger</i>	-0.196	0.091	0.247	0.005	0.690	0.843	0.690	0.983
<i>Lachnospiracea incertae sedis</i>	-0.236	-0.024	-0.065	-0.166	0.690	0.978	0.903	0.716
<i>Escherichia/Shigella</i>	0.141	0.389	-0.085	0.143	0.747	0.378	0.865	0.747
<i>Alistipes</i>	-0.209	-0.004	-0.306	-0.152	0.690	0.983	0.592	0.725
<i>Anaerostipes</i>	-0.041	0.180	-0.273	0.016	0.956	0.690	0.690	0.978
<i>Clostridium XVIII</i>	0.111	0.163	-0.158	-0.206	0.783	0.716	0.716	0.690
<i>Dorea</i>	0.071	0.071	0.101	0.037	0.903	0.903	0.817	0.956
<i>Collinsella</i>	-0.116	0.210	0.019	0.123	0.783	0.690	0.978	0.774
<i>Clostridium sensu stricto</i>	0.099	0.066	0.216	0.127	0.820	0.903	0.690	0.774
<i>Dialister</i>	-0.255	-0.158	0.123	0.030	0.690	0.716	0.774	0.967
<i>Erysipelotrichaceae incertae sedis</i>	0.264	0.043	-0.205	0.208	0.690	0.956	0.690	0.690
<i>Coprococcus</i>	0.128	0.106	-0.184	0.188	0.774	0.802	0.690	0.690
<i>Clostridium IV</i>	-0.189	-0.014	-0.060	-0.188	0.690	0.978	0.909	0.690
<i>Lactobacillus</i>	0.142	0.121	-0.397	0.299	0.747	0.774	0.378	0.596
<i>Turicibacter</i>	0.037	0.021	0.353	-0.215	0.956	0.978	0.573	0.690
<i>Oscillibacter</i>	-0.317	-0.159	-0.127	-0.208	0.592	0.716	0.774	0.690
<i>Clostridium XIVa</i>	-0.270	-0.032	0.013	-0.415	0.690	0.967	0.978	0.378