

Supplementary Table 6. Spearman Correlation *p* values for immunohistochemistry data in F1 3xTg mice at PD150.

Bacteria	Total βA area in <i>subiculum</i>	Total βA area in CA3	Total βA area in CA1	βA1-42 area in <i>subiculum</i>	βA1- 42 area in CA3	βA1- 42 area in CA1
f_Lachnospiraceae	0.037	0.162	0.096	0.027	0.027	0.470
f_Rikenellaceae_g_AF12	0.037	0.162	0.096	0.027	0.027	0.470
g_Clostridium	0.078	0.188	0.062	0.019	0.019	0.280
f_Desulfovibrionaceae	0.068	0.162	0.213	0.028	0.010	0.483
g_Oscillospira	0.186	0.302	0.524	0.091	0.048	0.742
o_Bacteroidales	0.444	0.406	0.608	0.129	0.048	0.483
g_Prevotella	0.220	0.170	0.194	0.016	0.016	0.170
g_Streptococcus	0.162	0.526	0.122	0.039	0.225	0.685
g_Paraprevotella	0.261	0.577	0.078	0.027	0.192	0.429
g_Parabacteroides	0.429	0.651	0.280	0.049	0.162	0.513
g_Bacteroides	0.247	0.091	0.170	0.050	0.194	0.108
g_Ruminococcus	0.027	0.122	0.122	0.319	0.122	0.912
g_Dorea	0.027	0.122	0.526	0.319	0.122	0.912
g_Anaeroplasma	0.027	0.122	0.526	0.319	0.122	0.912
g_Turicibacter	0.039	0.078	0.577	0.406	0.078	0.912
g_Lactobacillus	0.050	0.050	0.444	0.091	0.050	0.601
g_Klebsiella	0.096	0.019	0.062	0.019	0.019	0.188
g-Enterobacter	0.140	0.068	0.162	0.038	0.006	0.335
f_F16.g	0.188	0.027	0.062	0.162	0.188	0.019
g_Mycoplasma	0.039	0.027	0.526	0.027	0.027	0.027
f_Enterobacteriaceae.	0.019	0.008	0.188	0.008	0.008	0.062
g_Allobaculum	0.742	0.406	0.261	0.162	0.039	0.078
g_Sutterella	0.040	0.035	0.011	0.003	0.076	0.050

Note: immunohistochemistry data of area occupied for total- and 1-42 β A in the *subiculum*, CA1, and CA3. *p*-value < 0.05 were considered significant.