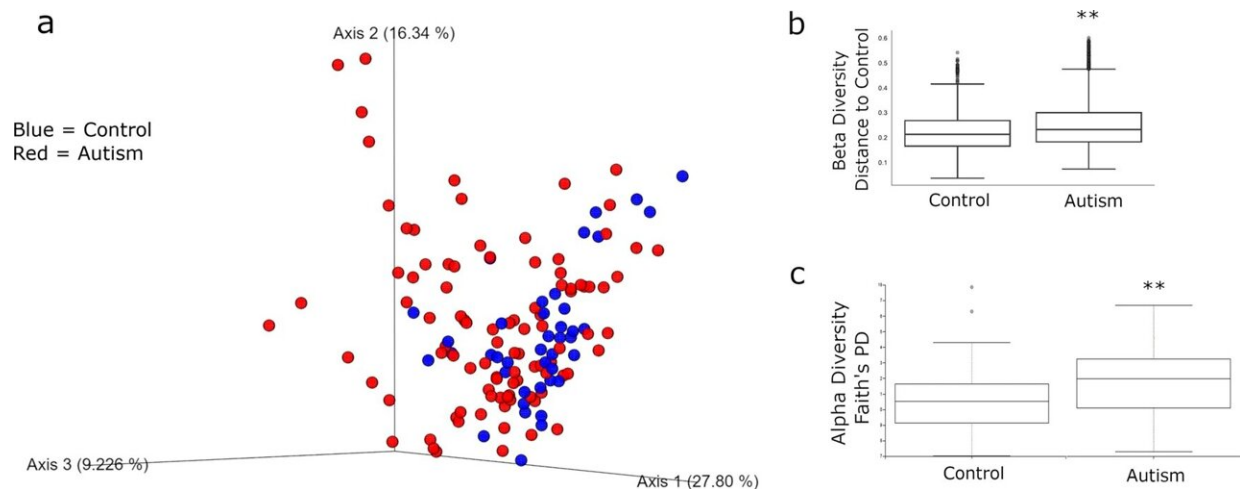


# Study reveals microbiome changes linked to autism spectrum disorder

February 12 2024



Beta and alpha diversity of microbiome compared according to diagnosis with ASD. **a** PCoA plot of all samples. Control samples are in blue while ASD samples are in red. **b** Beta Diversity Analysis as differences from each sample to control samples. There is a significant difference in beta diversity between ASD and control groups (PERMANOVA  $p = 0.002$ ). Whisker plots representing quartiles. **c** Alpha-Diversity analysis using Faith's PD. Alpha Diversity is increased in ASD group (PERMANOVA  $p = 0.005$ ) Whisker box plots. Center line is mean. Boxes represent quartiles, and whiskers maximum and minimum. Dots outside of whiskers are outliers. \*\*= $p$

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