

Supplementary Information

Functional ultrasound and brain connectivity reveal central nervous system compromise in Trembler-J mice model of Charcot-Marie-Tooth disease

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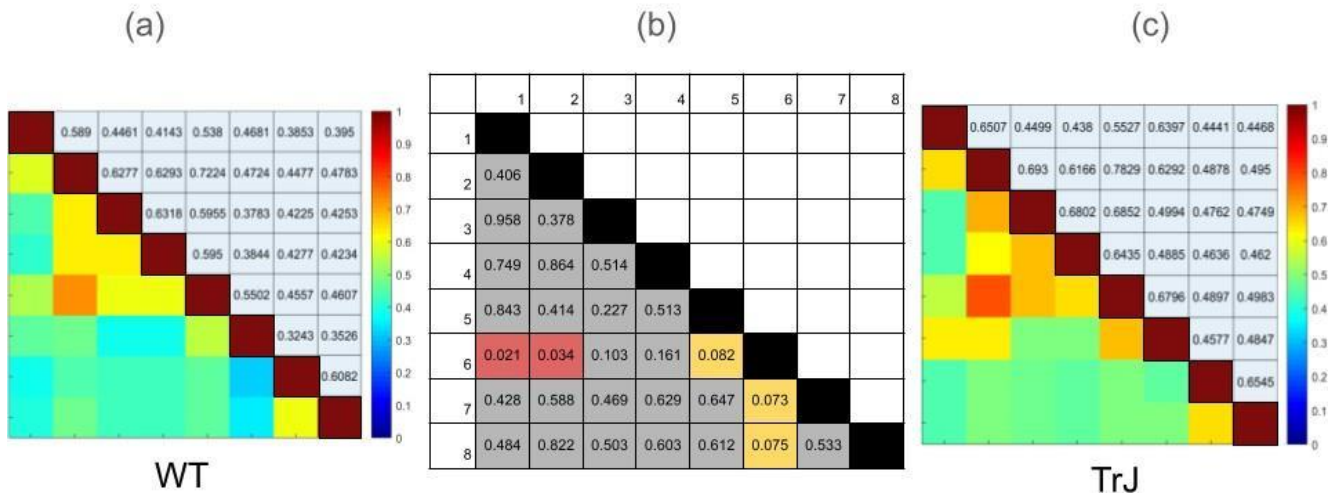
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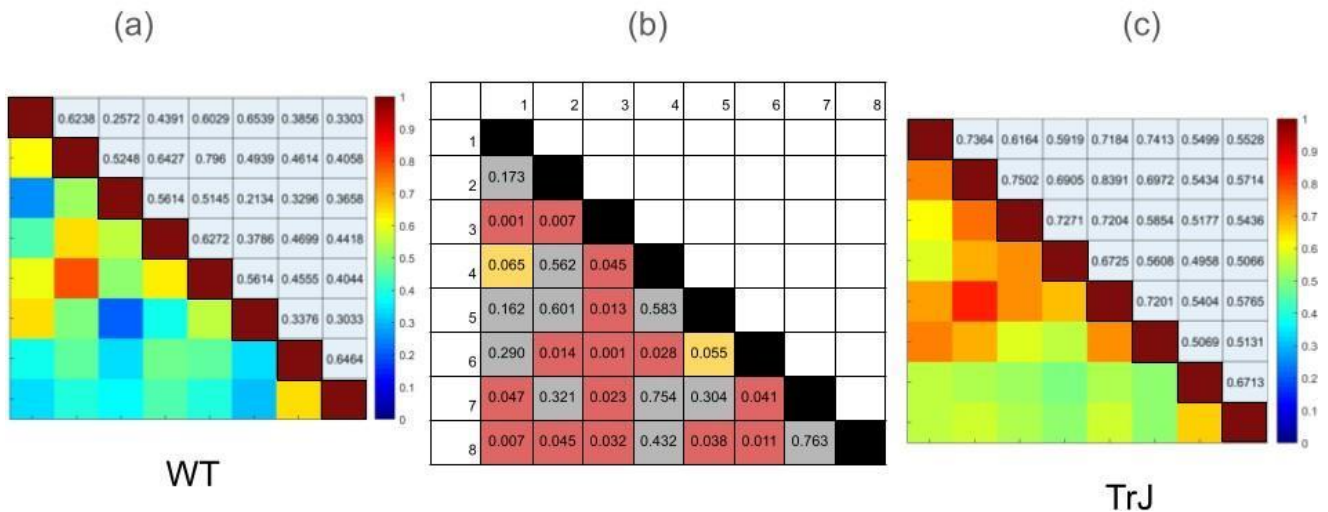
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Stimulation

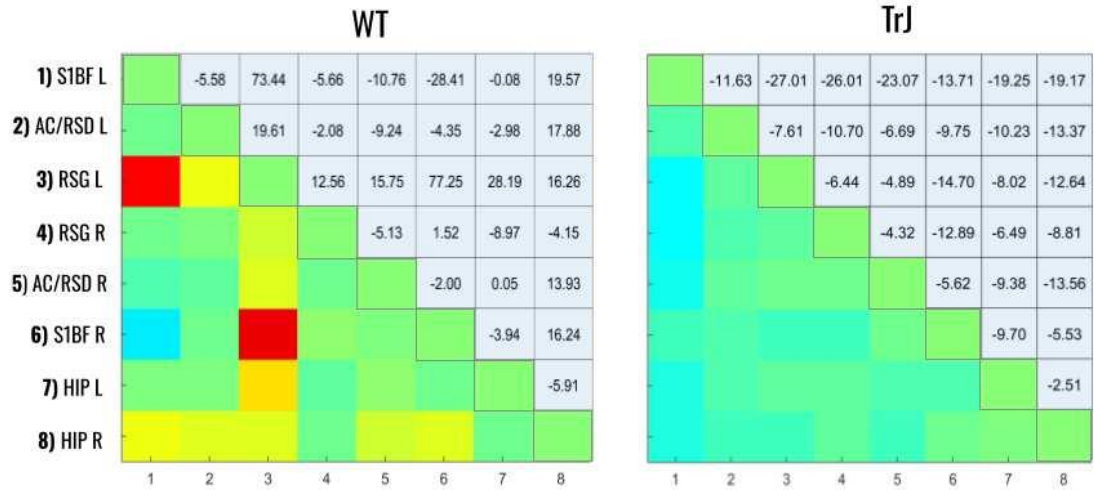


Supplementary Figure S1. Correlation matrix for both genotypes during stimulation. (a) Correlation matrix with correlation coefficient for WT mice. (b) p -values for the comparison between WT and TrJ correlation matrices. Yellow cells indicate a tendency of significant differences ($p \approx 0.05$) and red cells indicate significant differences ($p < 0.05$). (c) Same as (a) but for TrJ.

Resting State



Supplementary Figure S2. Correlation matrix for both genotypes during resting state. (a) Correlation matrix with correlation coefficient for WT mice. (b) p -values for the comparison between WT and TrJ correlation matrices. Yellow cells indicate a tendency of significant differences ($p \approx 0.05$) and red cells indicate significant differences ($p < 0.05$). (c) Same as (a) but for TrJ.



Supplementary Figure S3. Percentage difference matrix to compare stimulation (fUS experiment) vs. RS. For each genotype, we compute the percentage difference between the stimulation matrix and resting state matrix to evaluate the increase or decrease in connectivity between both states.