Here are the pictures for 10 inconsistent connections across 10 subjects. Connections are randomly picked[1] from the pool of 852 inconsistent edges.By inconsistency, we mean the connection appears in 5 subjects (maximum inconsistency). Filenames are based on inconsistent connection Source->Target. Each file shows specific inconsistent connection across all 10 subjects. The reverse of each connection is also plotted (on right).

The figures condense a lot of information. Here is how to interpret

A) Background color:
    a) Black: Connection is null (no non-zero data available)
    b) Green: Connection exists according to MANIA2
    c) Gray: Connection does not exist according to MANIA2
B) Horizontal Lines
    a) Solid magenta: MANIA2 threshold
    b) dashed magenta: MANIA1 threshold
    c) Solid black: Global noise threshold
    d) dashed red: Local noise threshold (we do not use this. Global noise threshold is used instead)
C) Markers
    a) Blue stars: Data points
    b) Green squares: Envelope points
D) Regressor Lines
    a) Solid black: Local regressor
    b) Dashed red: Source fixed ROI regressor
    c) Dashed magenta: Target fixed ROI regressor

    ROI regressors are plotted only when used.
E) Title:
    a) ROI1->ROI2-(correction type) : The title indicated the pair and the category of correction as follows:
        i) Envelope: Envelope points found and used
        ii) Above noise : No envelope point found, thus maximum point is used and corrected
        iii) Strongly adjacent: ROIs are adjacent, thus the seed point at distance 0 is used
        iv) Null: No data point at all
        v) Fallback: No data point above noise, thus only maximum point is reported with no correction

Majority of these inconsistent pairs are in category Envelope and Fallback

[1] we made sure all categories are represented, 8 pairs are representing envelope point correction and 2 are representing no correction across most of the subjects.