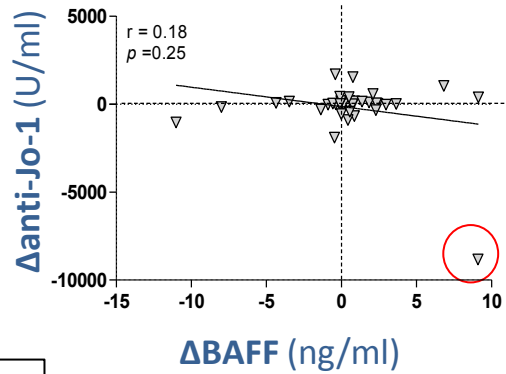
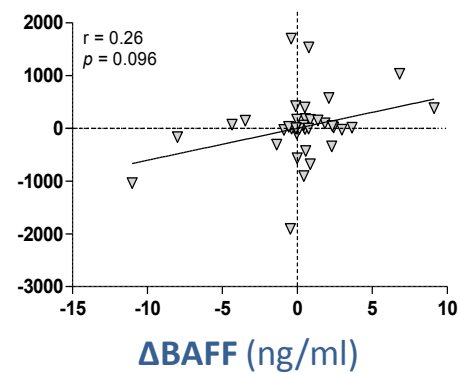


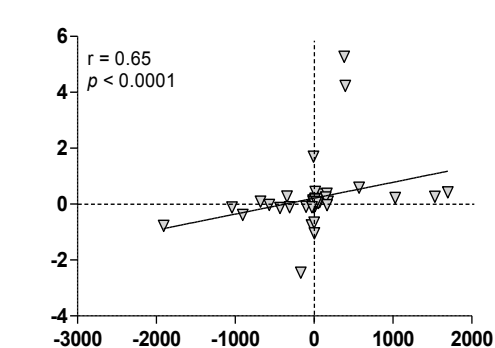
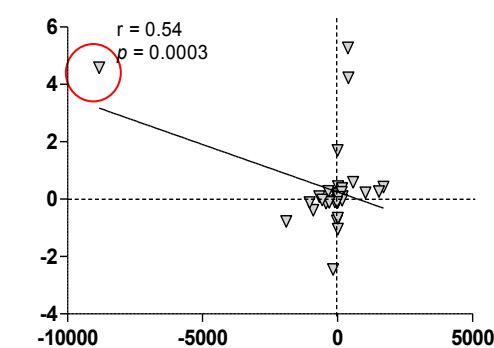
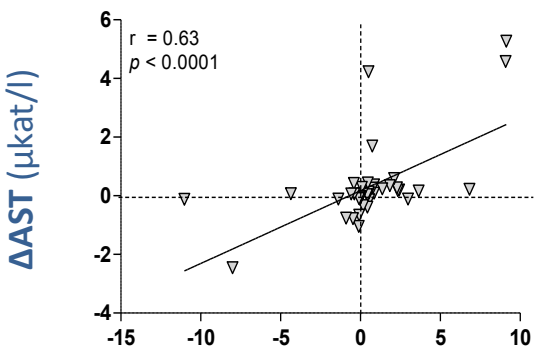
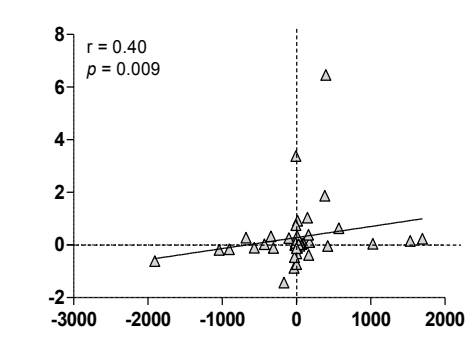
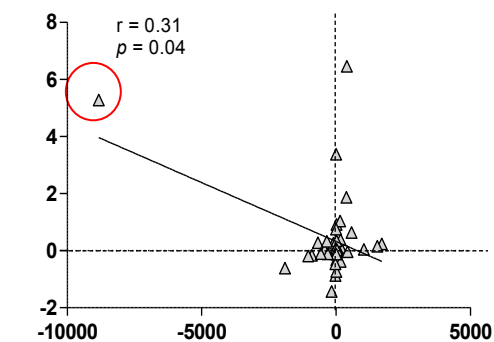
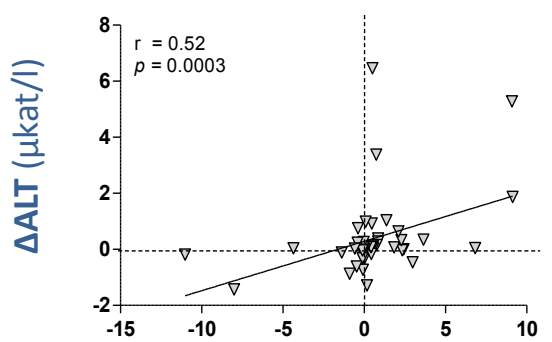
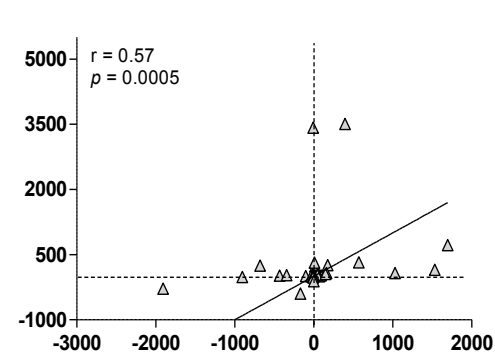
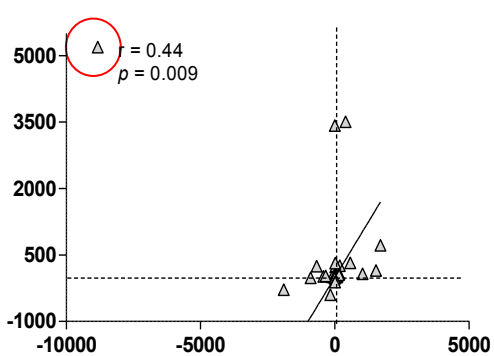
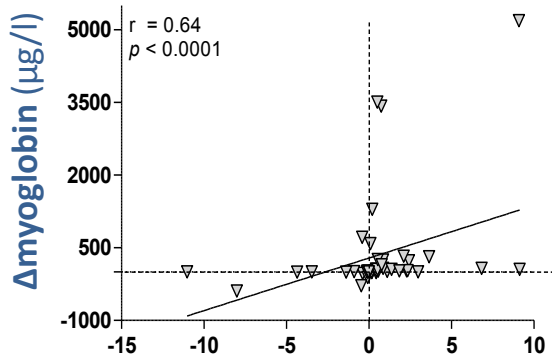
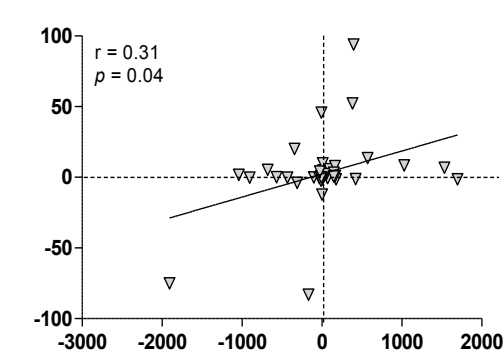
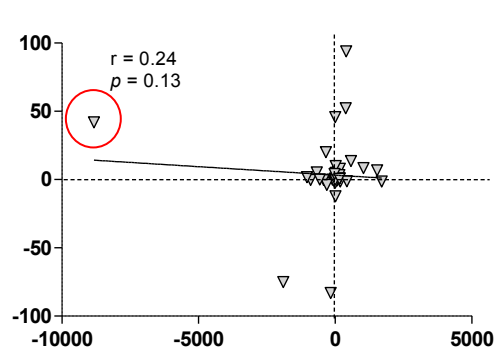
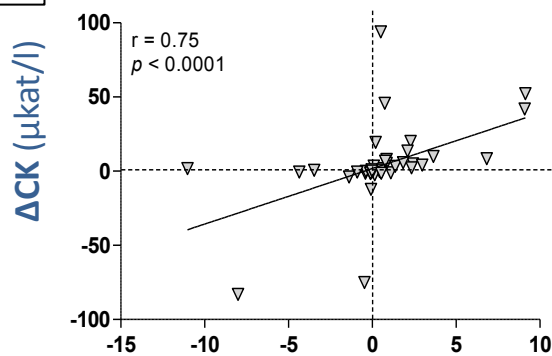
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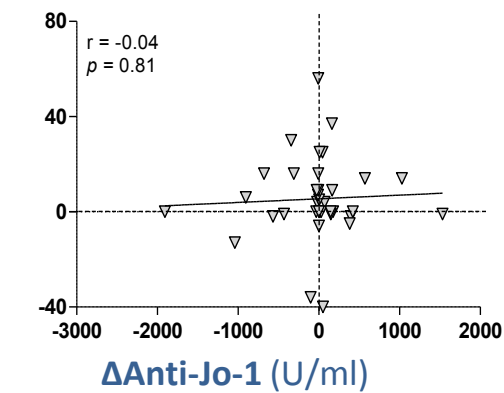
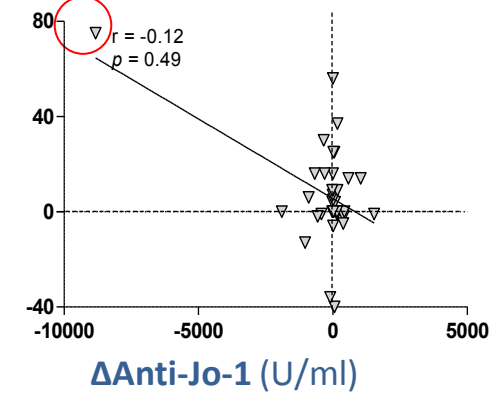
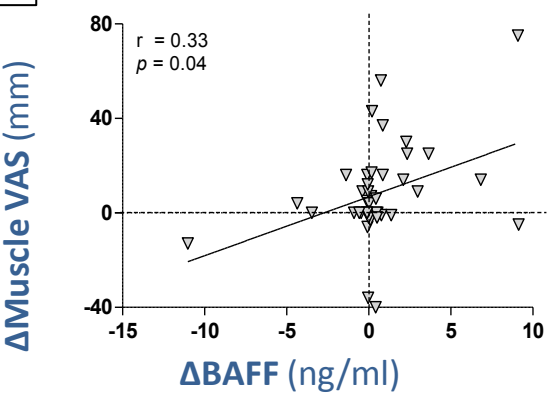
Excluded outlier



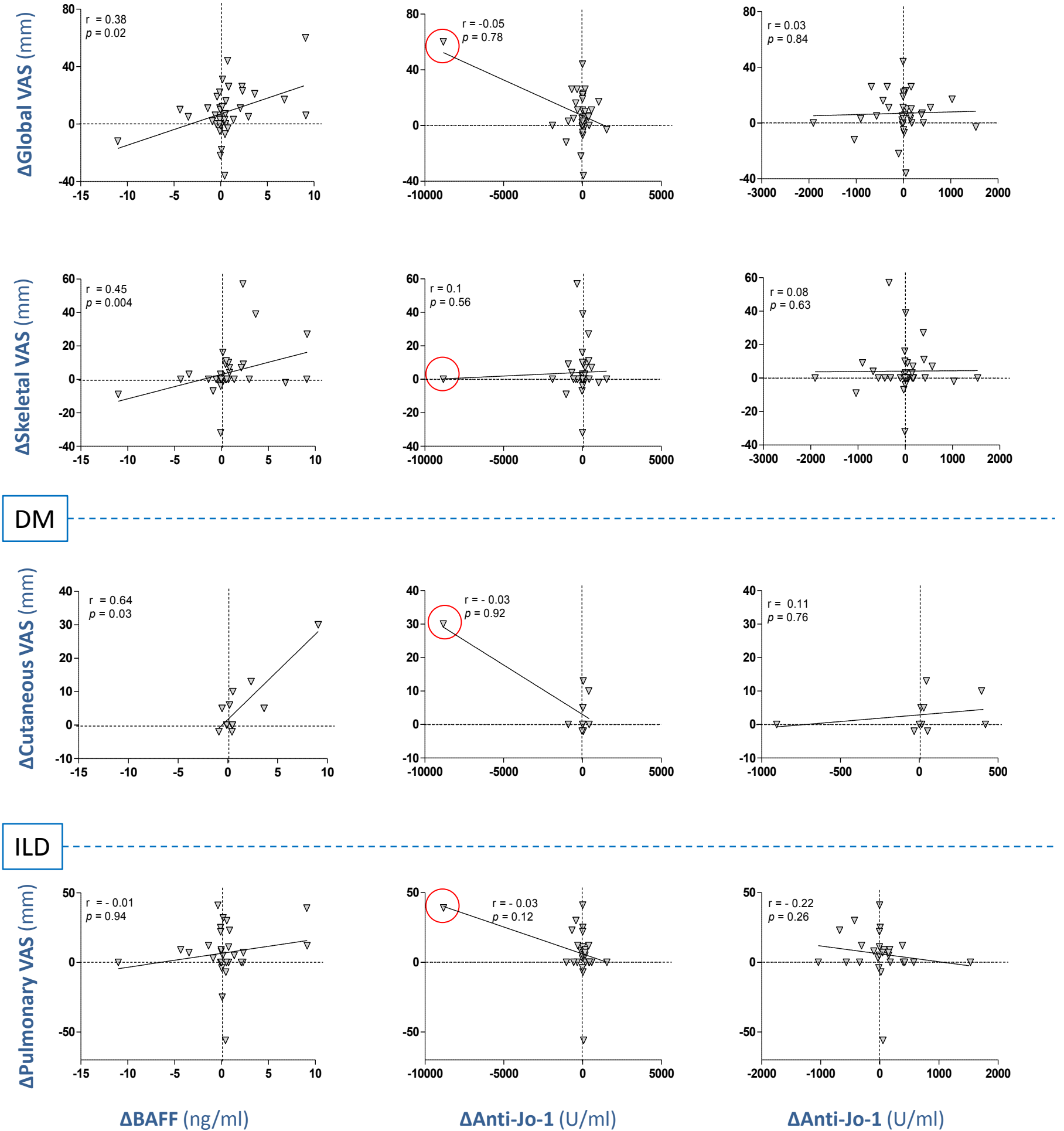
B



C



Excluded outlier



Additional file 5: The scatter plot of source data for correlational analysis presented in Table 3.

Changes between first two visits (Δ = 1st visit - 2nd visit) of (A) BAFF plotted against Δ anti-Jo-1, changes of both BAFF and anti-Jo-1 plotted in columns against parameters of activity in rows. These are: (B) changes of markers of muscle impairment [Δ CK, Δ myoglobin, Δ ALT and Δ AST]] and (C) changes of clinical disease activity assessments [Δ muscle, Δ global, Δ skeletal – within the entire patient’s group, Δ cutaneous - within patient with dermatomyositis (DM) and Δ pulmonary - within patients with lung involvement (ILD)]. Statistics are: r = Spearman’s correlation coefficient; p = p-value

A single outlying value of Δ anti-Jo-1 is highlighted by red circle. The graphs with exclusion of the outlier are plotted in the right column. The significance of some correlations became even stronger after exclusion of the outlier.