Electronic Supplementary Material

Evaluating the Role of Amide-Proton-Transfer (APT) Weighted Contrast, Optimized for Normalization and Regions of Interest Selection, in Differentiation of Neoplastic and Infective Mass Lesions on 3T MRI

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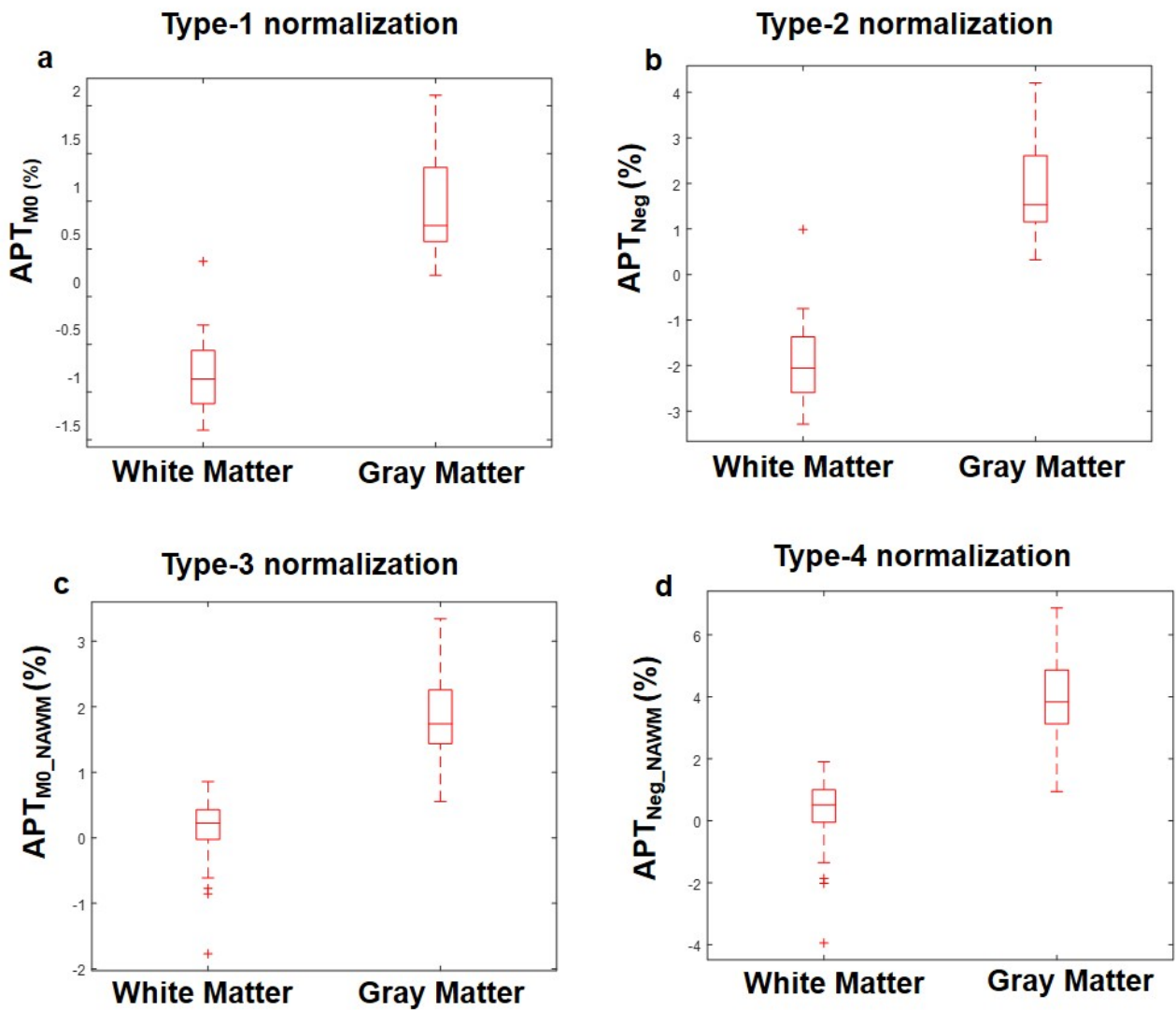
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Supplementary figure 1. Box and whisker plots showing ROI analysis of APT-weighted(w) contrast in white matter (WM) and grey matter (GM) for Type-1, Type-2, Type-3 and Type-4 normalizations. APT-w contrast for WM is mostly negative and lesser than GM. Type-1, Type-2, Type-3 and Type-4 normalizations represents APT_{M0}, APT_{Neg}, APT_{M0_NAWM} and APT_{Neg_NAWM} contrast respectively.
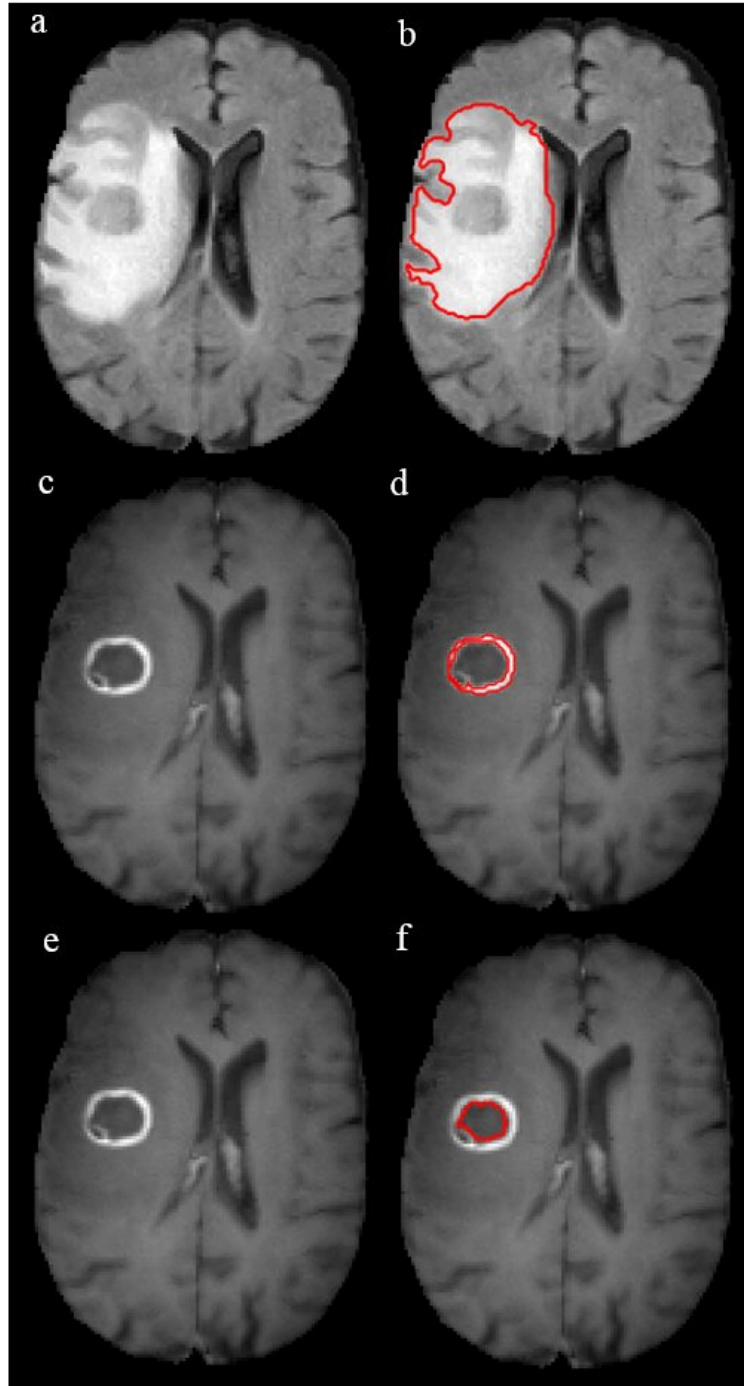
Supplementary figure 2. Placement of ROIs on a representative case of high grade glioma. (a) FLAIR image, (b) selection of entire tumor region on that FLAIR image, (c) post-contrast T_1-weighted (PC T_1-w), (d) selection of active tumor region on that PC T_1-w image, (e) PC T_1-w image and (f) selection of necrotic tumor region on PC T_1-w image.