



**Figure 1.** Comparison of various segmentation algorithms with ScribbleSeg on the DLPFC dataset, sample 151507. **a.** Manual annotation (ground truth). **b.** Scribbles by an annotator. **c.** Clustering done by ScribbleSeg ( $\lambda = 3, \mu = 10, \nu = 1$ ), based on annotator's scribbles. **d.** Clustering done by SC-MEB. **e.** Clustering done by BayesSpace. **f.** Clustering done by ScribbleSeg when scribbles are initialized using the output of mclust ( $\lambda = 17, \mu = 4, \nu = 0$ , after pre-heating with  $\lambda = 0, \mu = 0, \nu = 1$ ).