Figure 3a
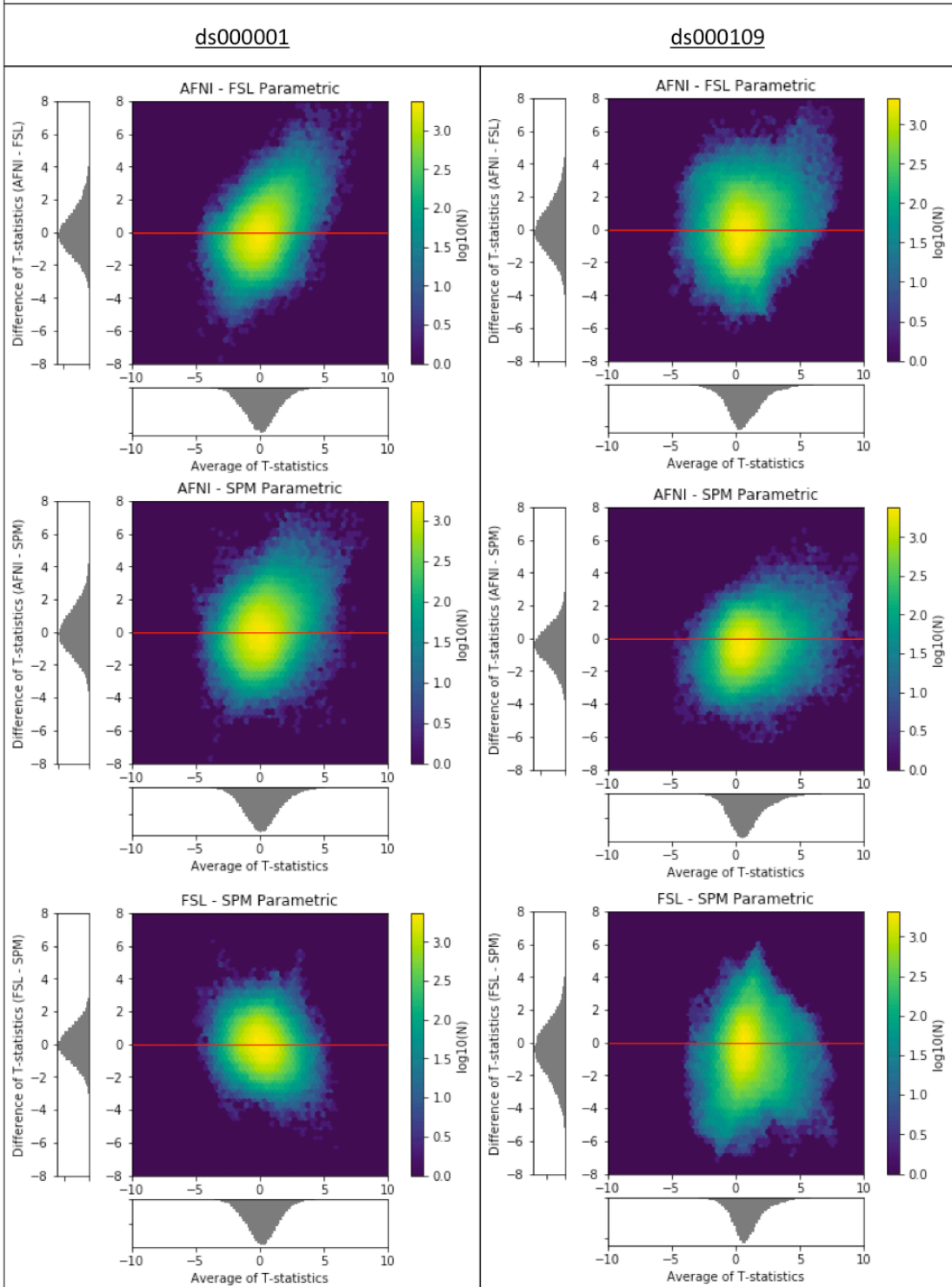
Cross-software Bland-Altman 2D histograms comparing the unthresholded group-level T-statistic maps computed as part our reanalyses of the ds000001 and ds000109 studies within AFNI, FSL and SPM. Left; Comparisons for ds000001's balloon analog risk task, T-statistic images contrasting the parametric modulation of pumps of the reward balloons versus parametric modulation of pumps of the control balloon. Right; Comparisons for ds000109's false belief task, T-statistic images contrasting the false belief versus false photo conditions. Density images show the relationship between the average T-statistic value (abscissa) and difference of T-statistic values (ordinate) at corresponding voxels in the unthresholded T-statistic images for each pairwise combination of software packages. While there is no particular pattern of bias, as the T-statistic differences are centered about zero, there is remarkable range, with differences exceeding +/- 4 in all comparisons.