

## Supplementary Figures

Figure S1. Registration QC: Mean and standard deviation of anatomical and mean functional images

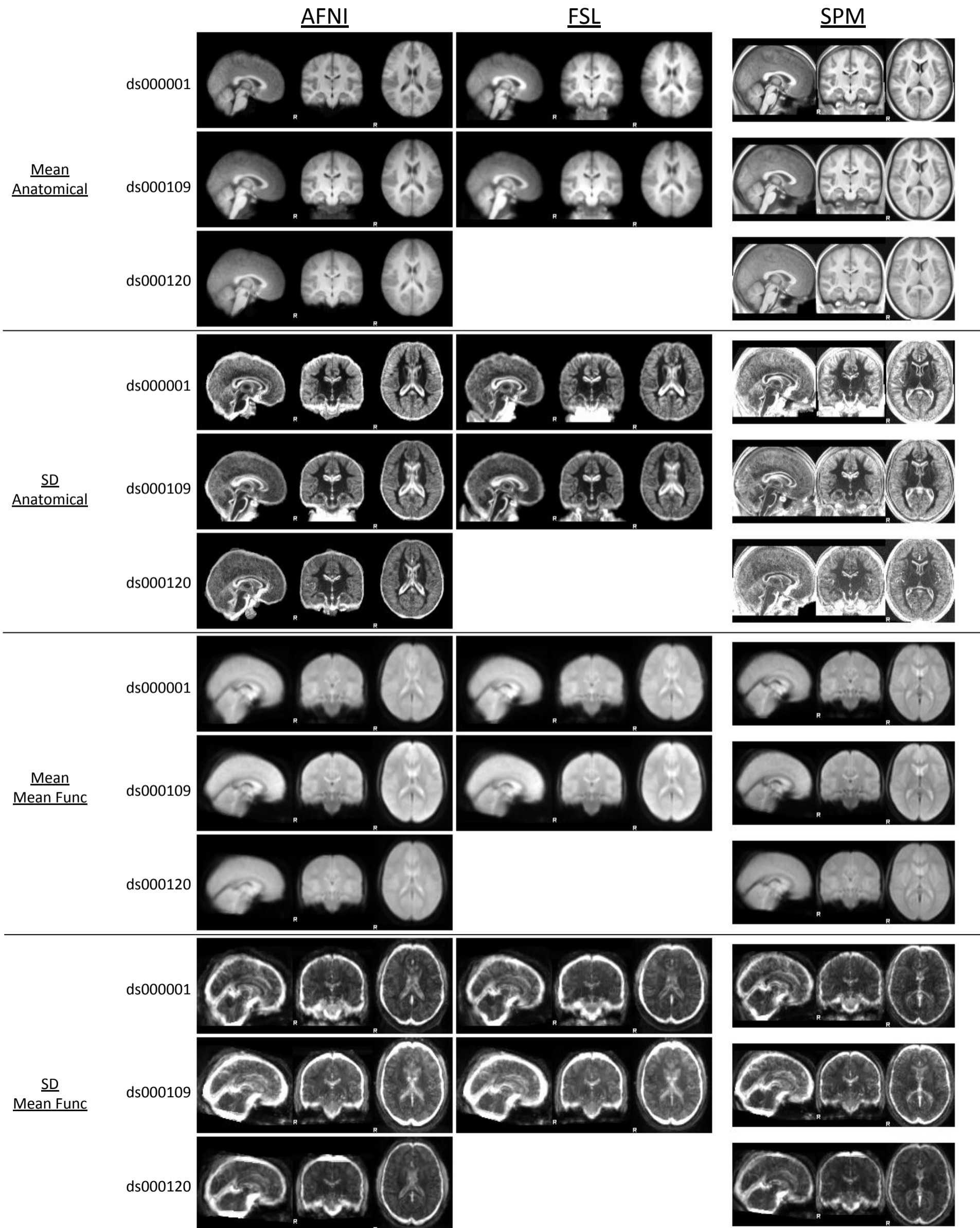


Figure S2. ds000001 Inter-Software Comparison, 5% FWE Clusterwise Inference

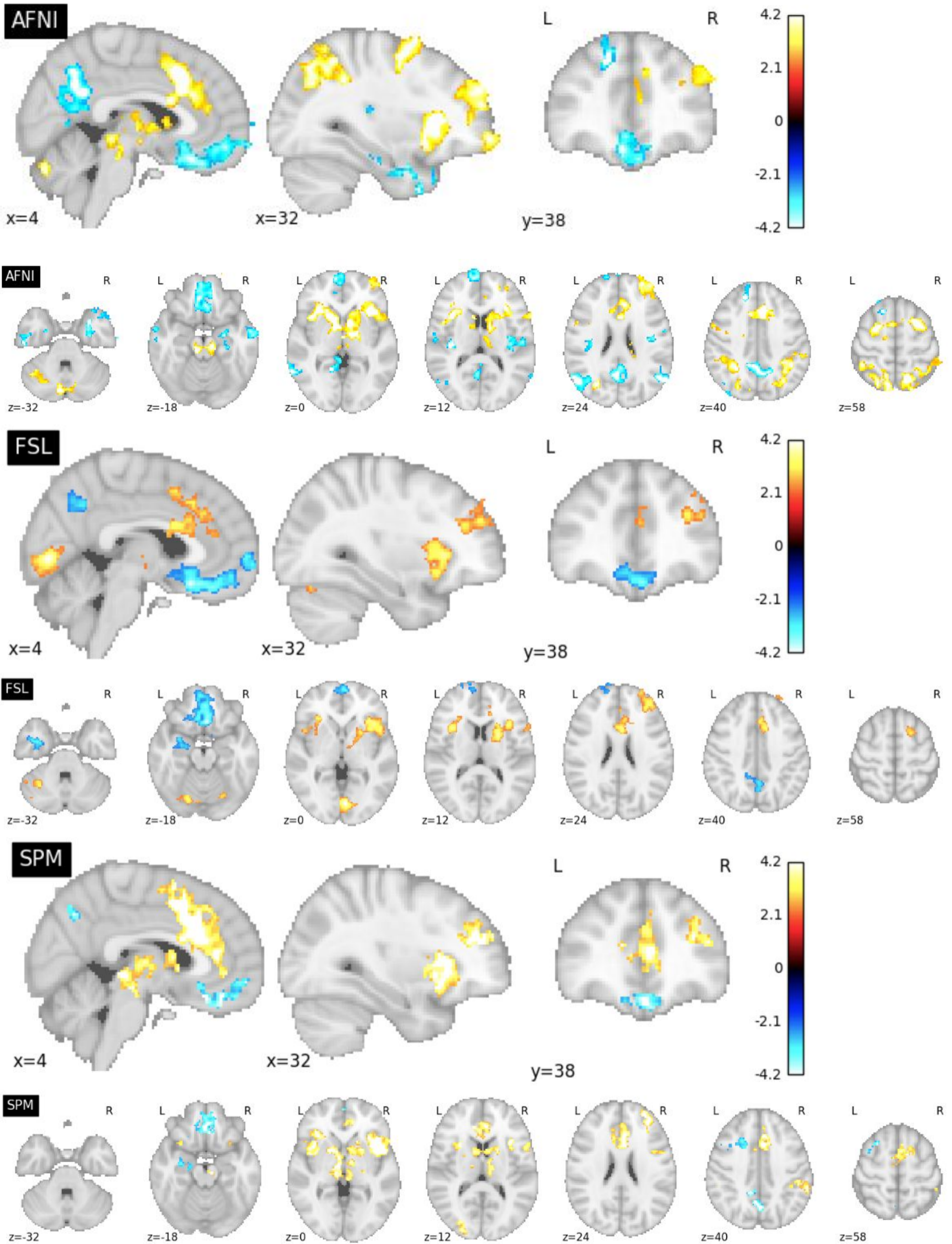


Figure S3. ds000001 Inter-Software Comparison, 5% FWE Clusterwise Permutation Inference

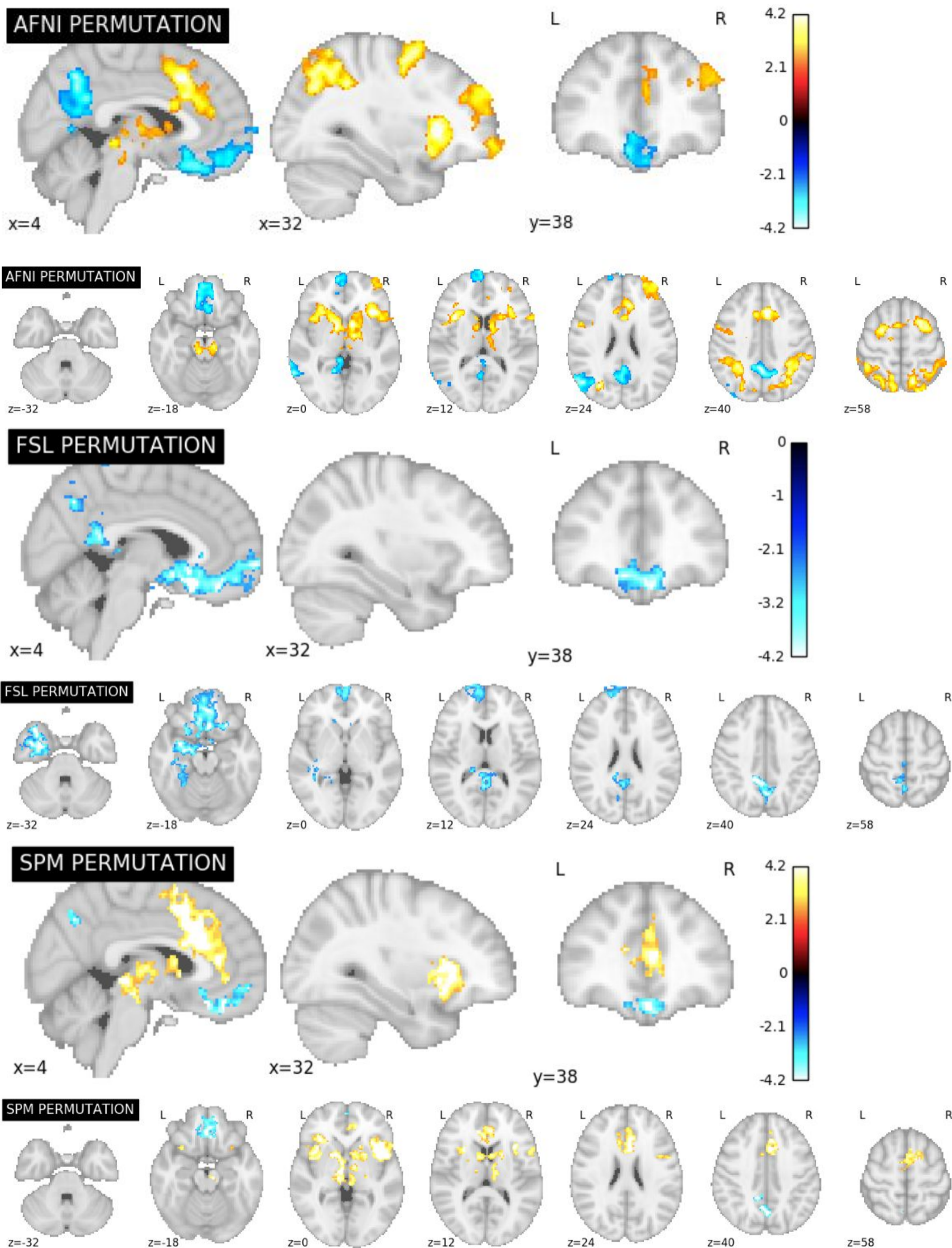


Figure S4. ds000109 Inter-Software Comparison, 5% FWE Clusterwise Inference

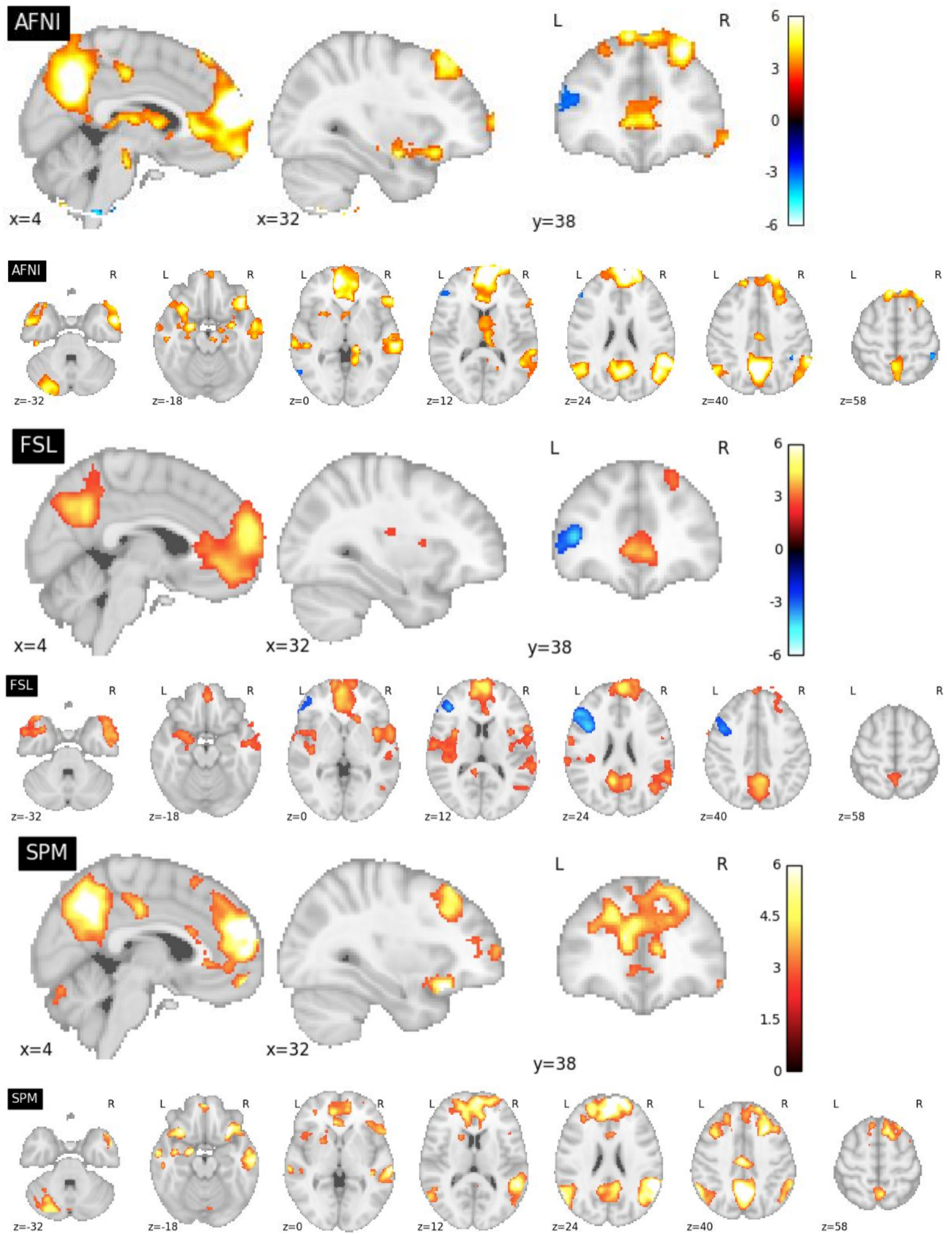
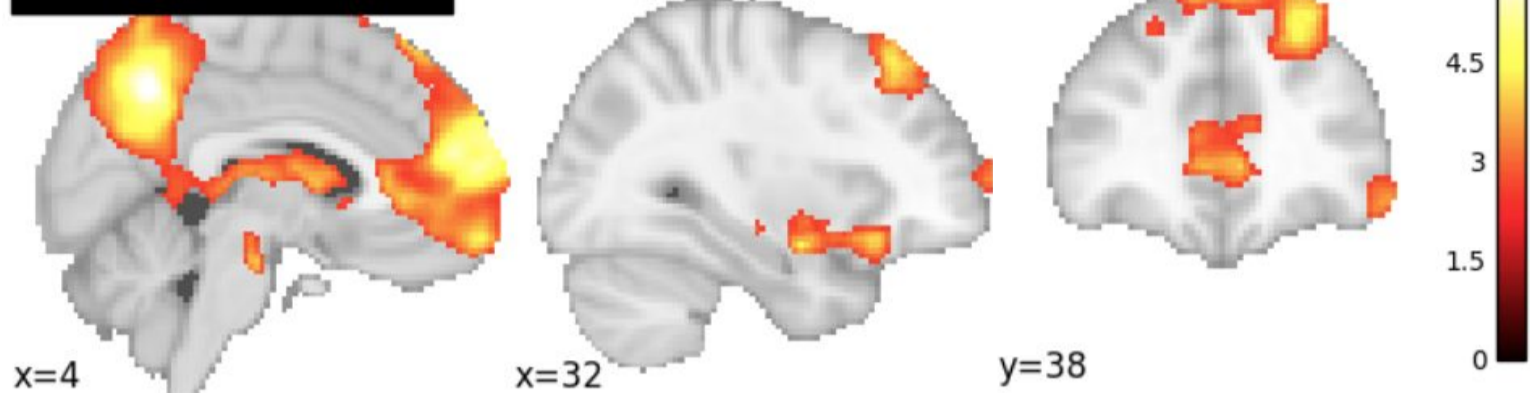
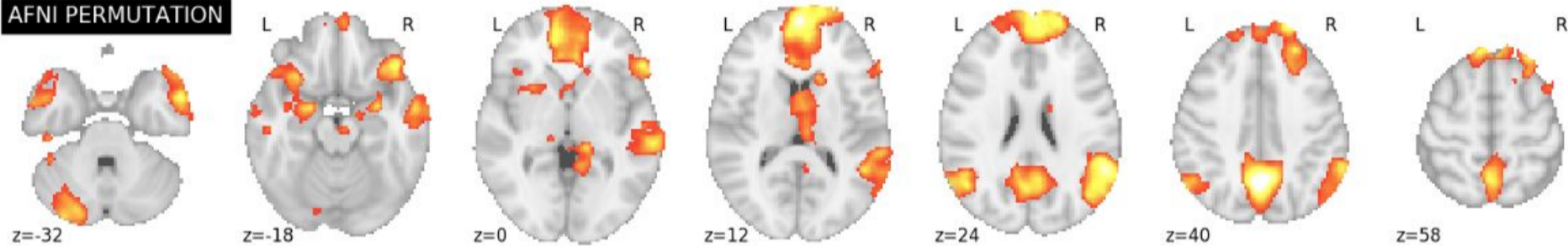


Figure S5. ds000109 Inter-Software Comparison, 5% FWE Clusterwise Permutation Inference

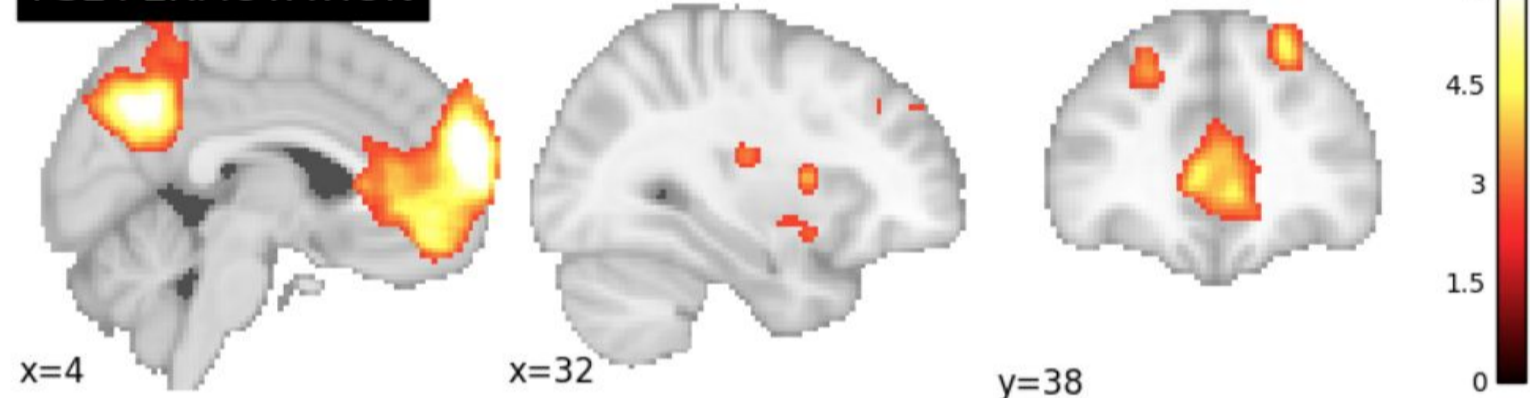
**AFNI PERMUTATION**



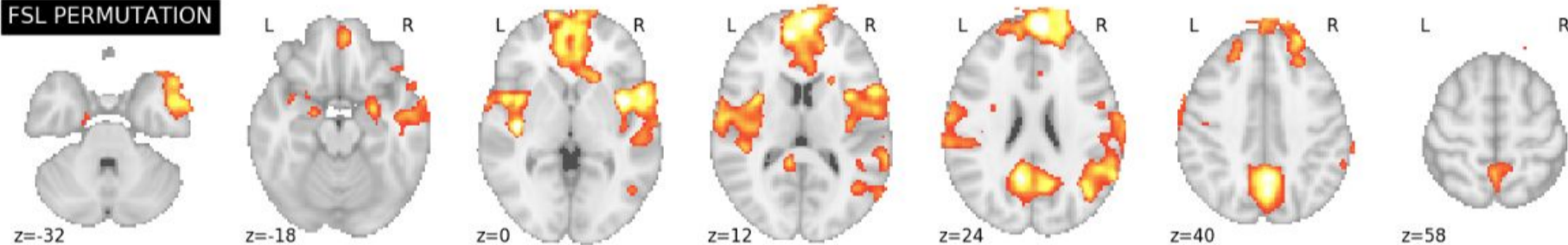
**AFNI PERMUTATION**



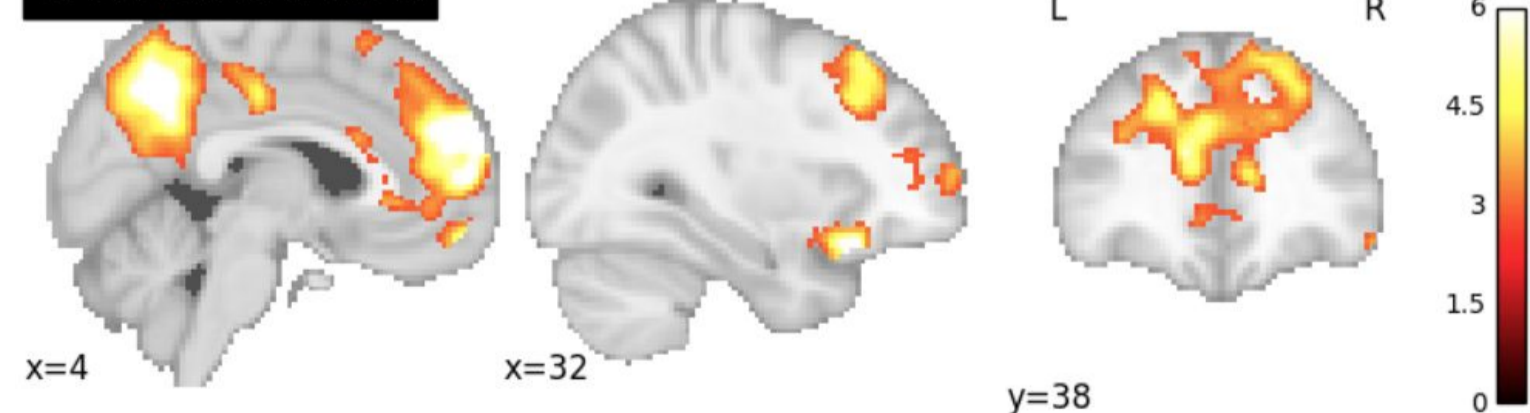
**FSL PERMUTATION**



**FSL PERMUTATION**



**SPM PERMUTATION**



**SPM PERMUTATION**

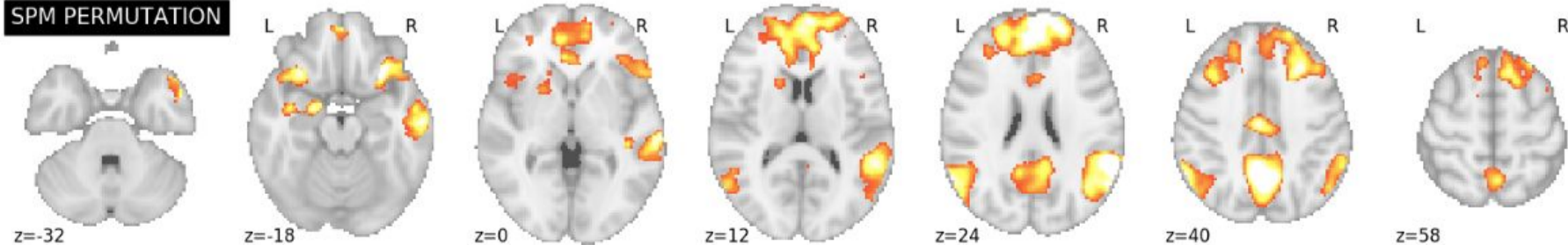


Figure S6. ds000120 Inter-Software Comparison, 5% FWE Clusterwise Inference

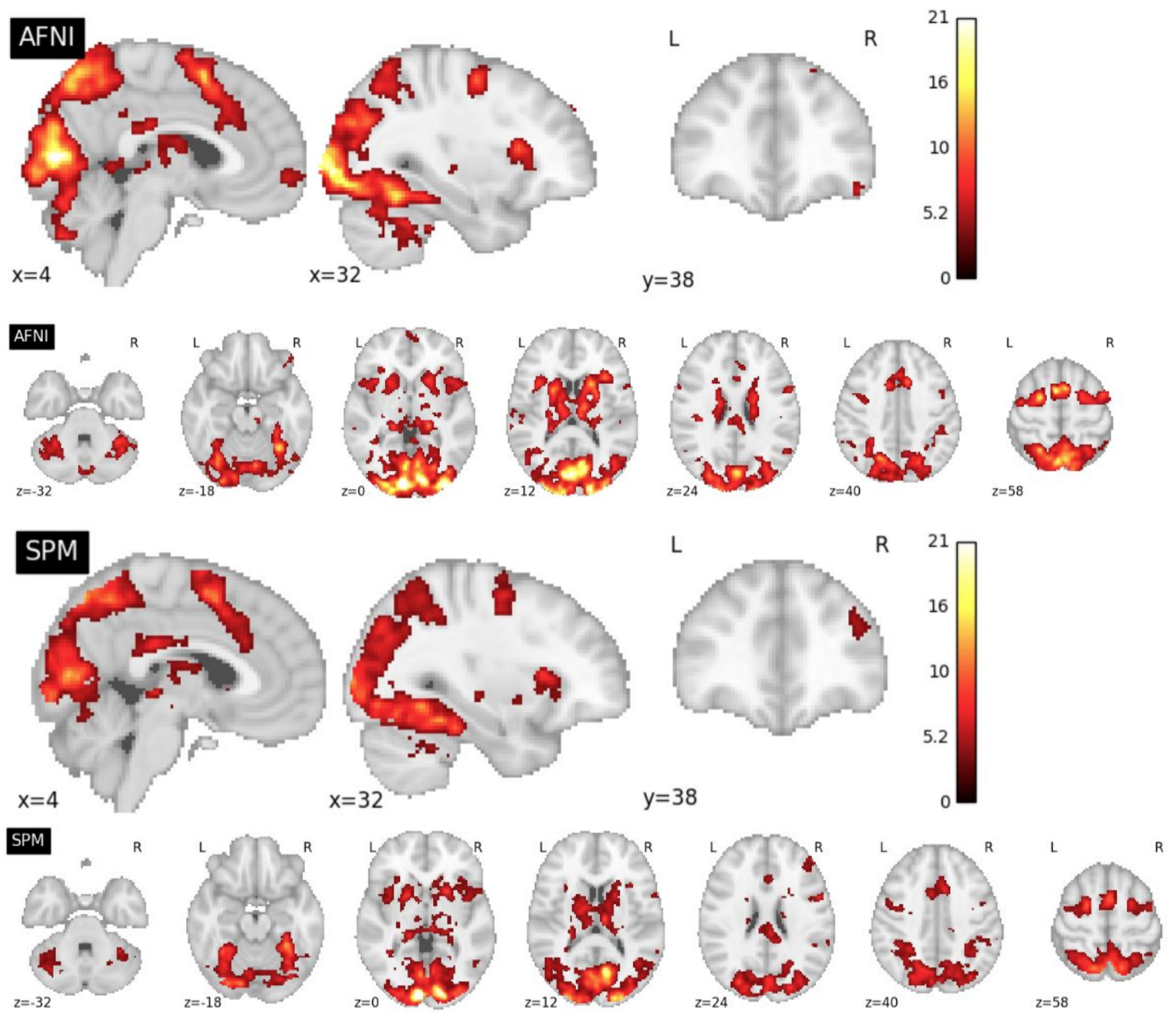


Figure S7. ds000001 Inter-Software Comparison, T-Statistic Maps

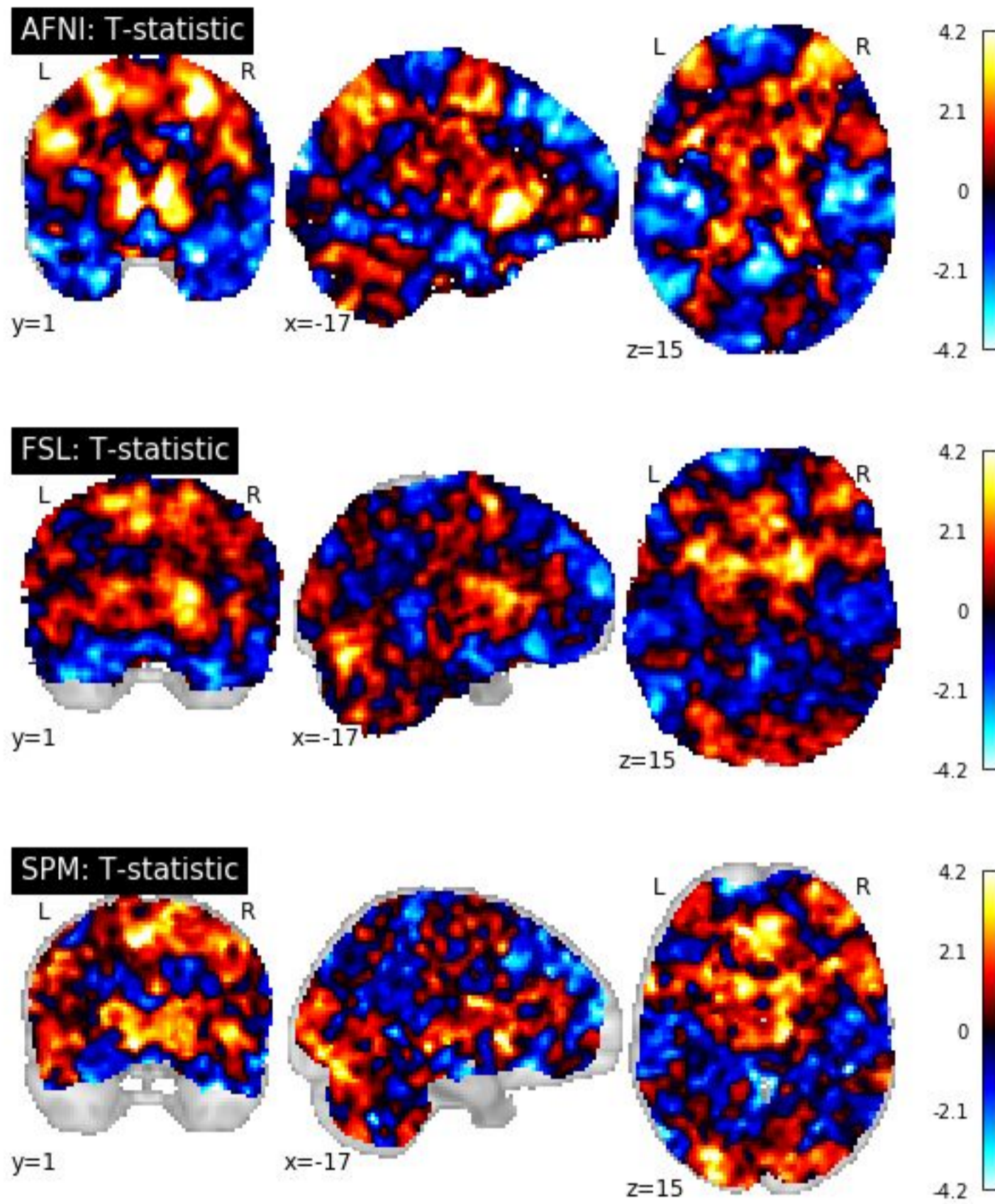
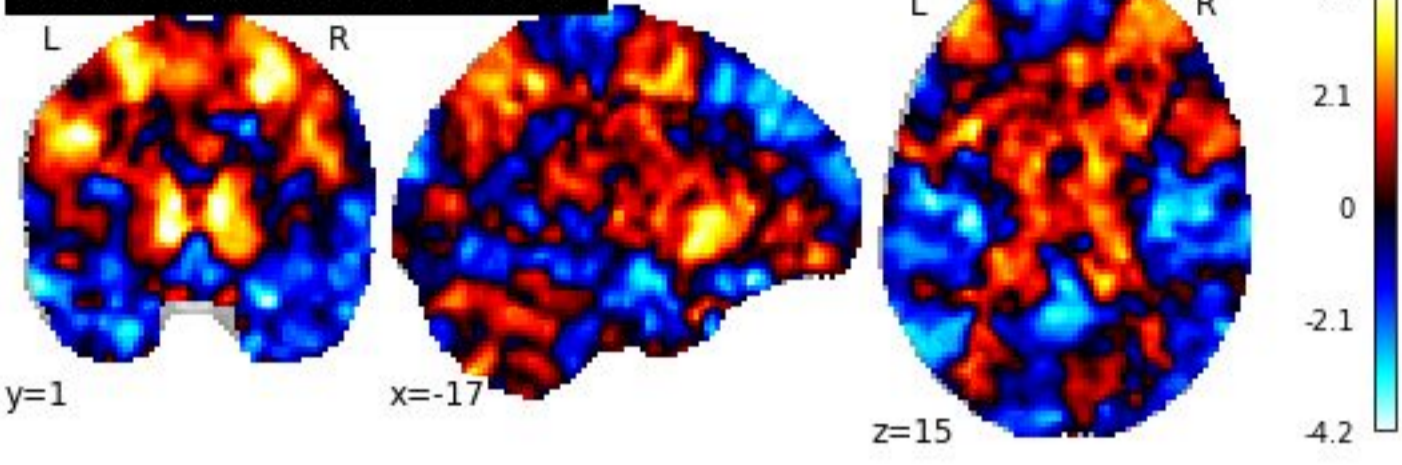
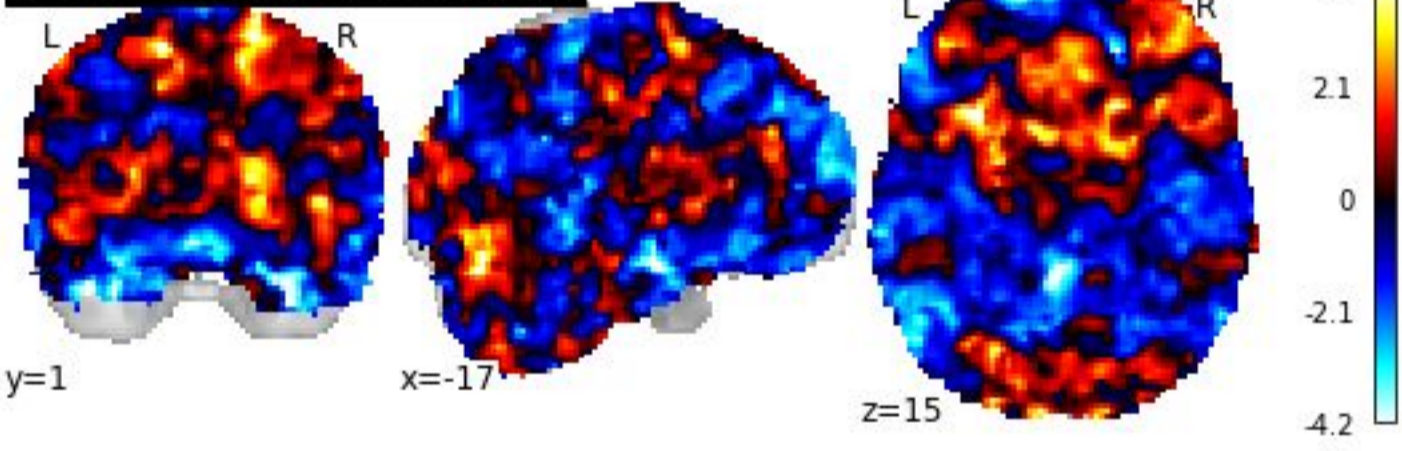


Figure S8. ds000001 Inter-Software Comparison, T-Statistic Maps from Permutation

**AFNI: Permutation T-statistic**



**FSL: Permutation T-statistic**



**SPM: Permutation T-statistic**

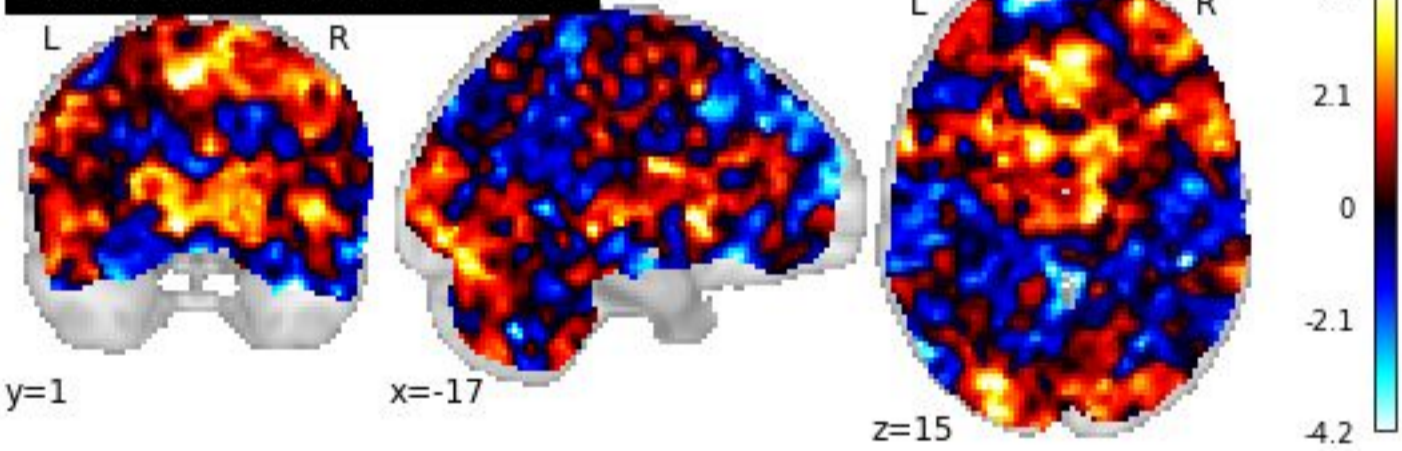
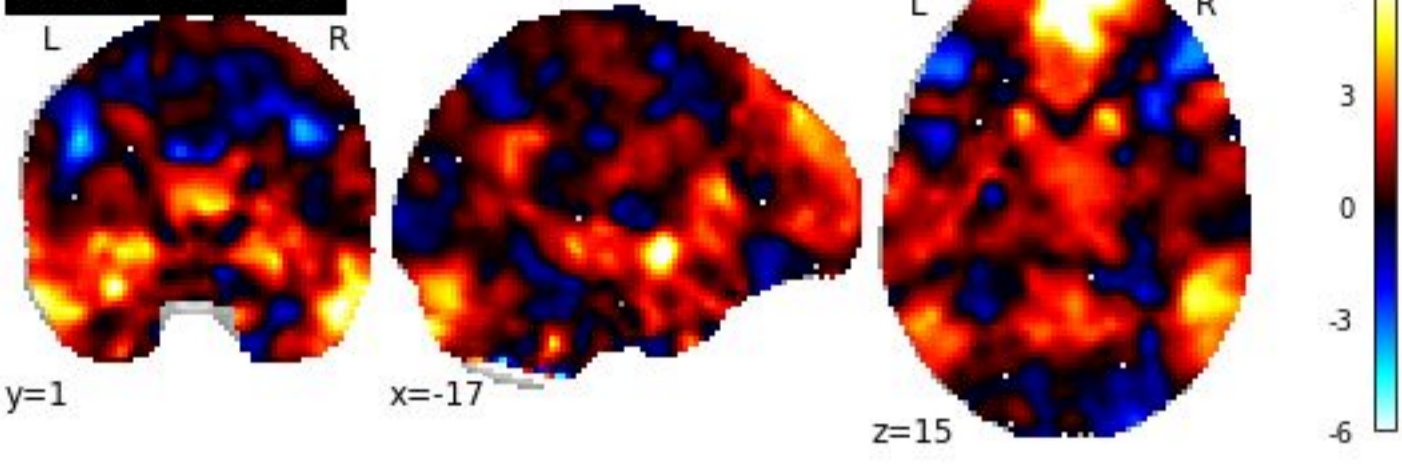


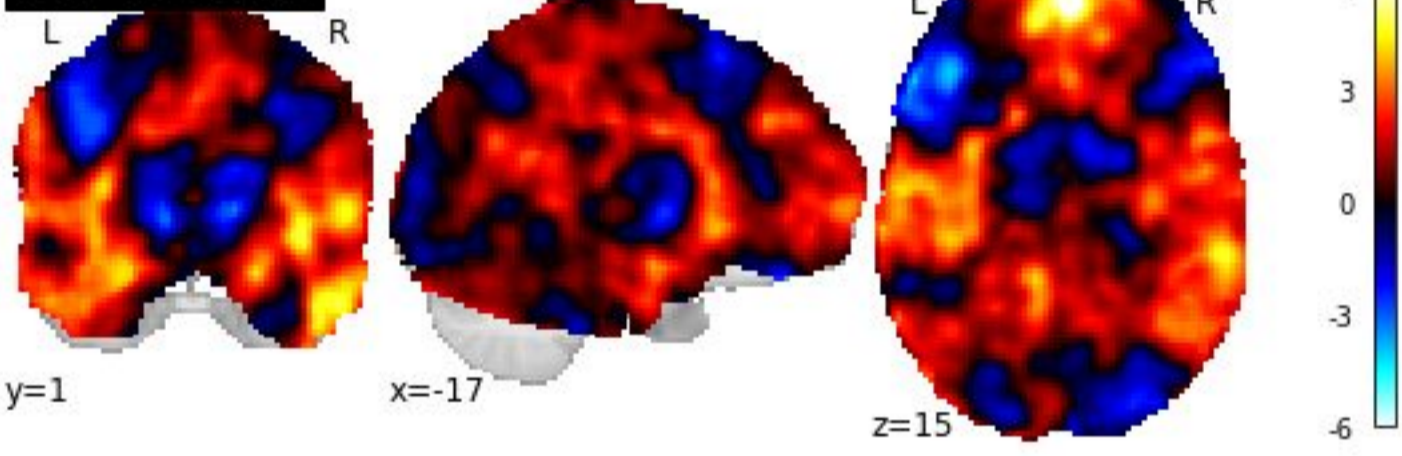


Figure S9. ds000109 Inter-Software Comparison, T-Statistic Maps

**AFNI: T-statistic**



**FSL: T-statistic**



**SPM: T-statistic**

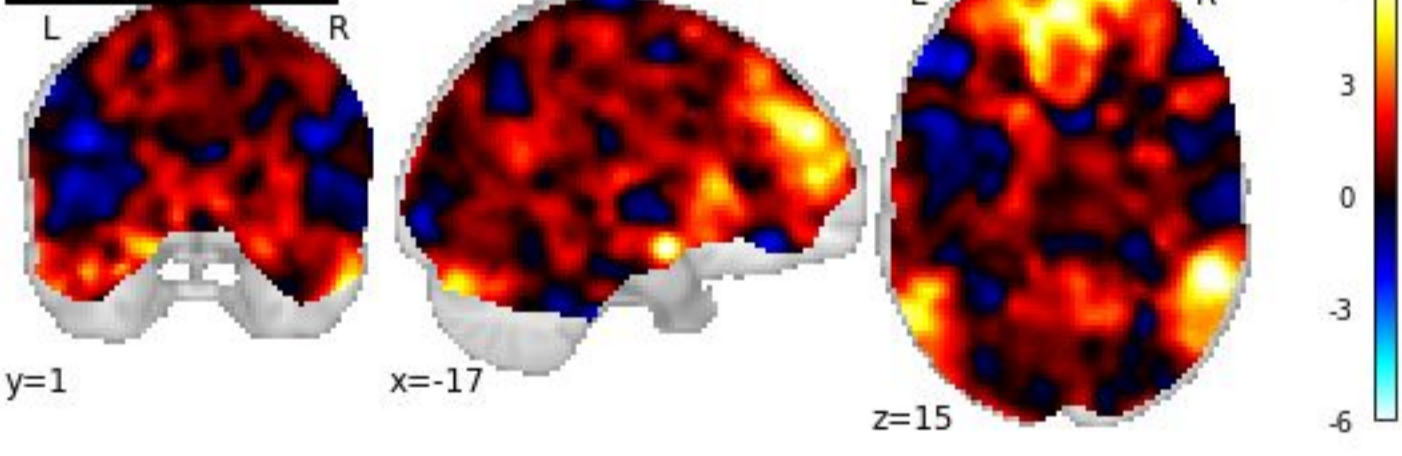
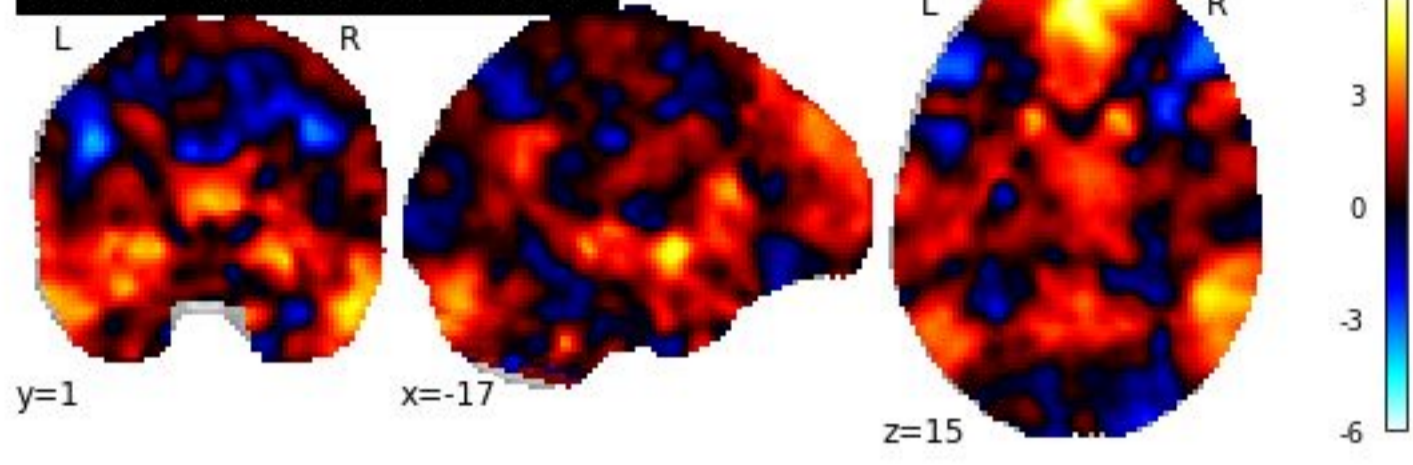
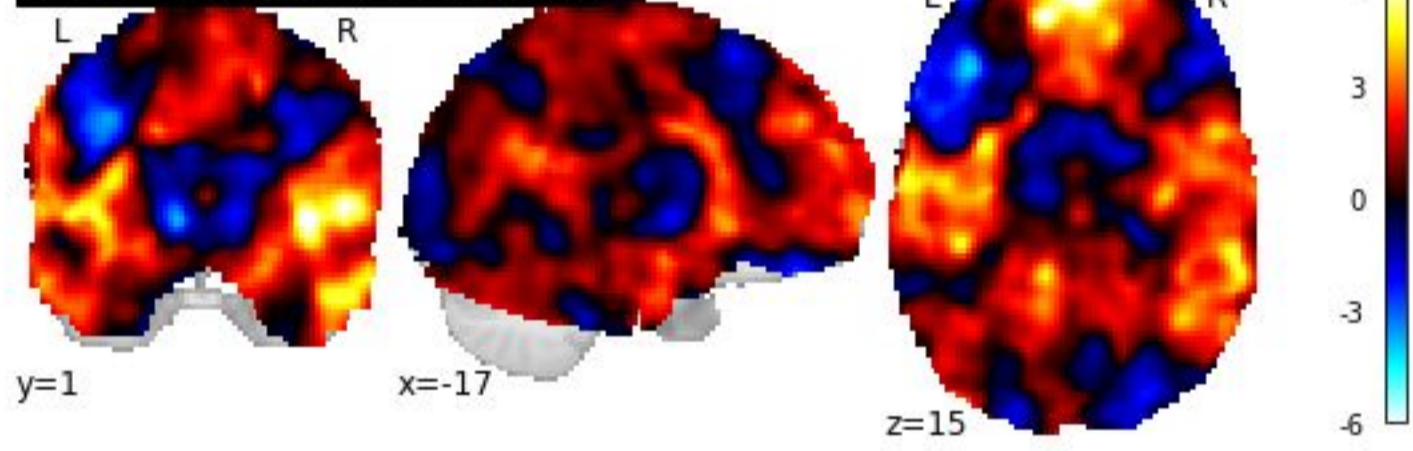


Figure S10. ds000109 Inter-Software Comparison, T-Statistic Maps from Permutation

**AFNI: Permutation T-statistic**



**FSL: Permutation T-statistic**



**SPM: Permutation T-statistic**

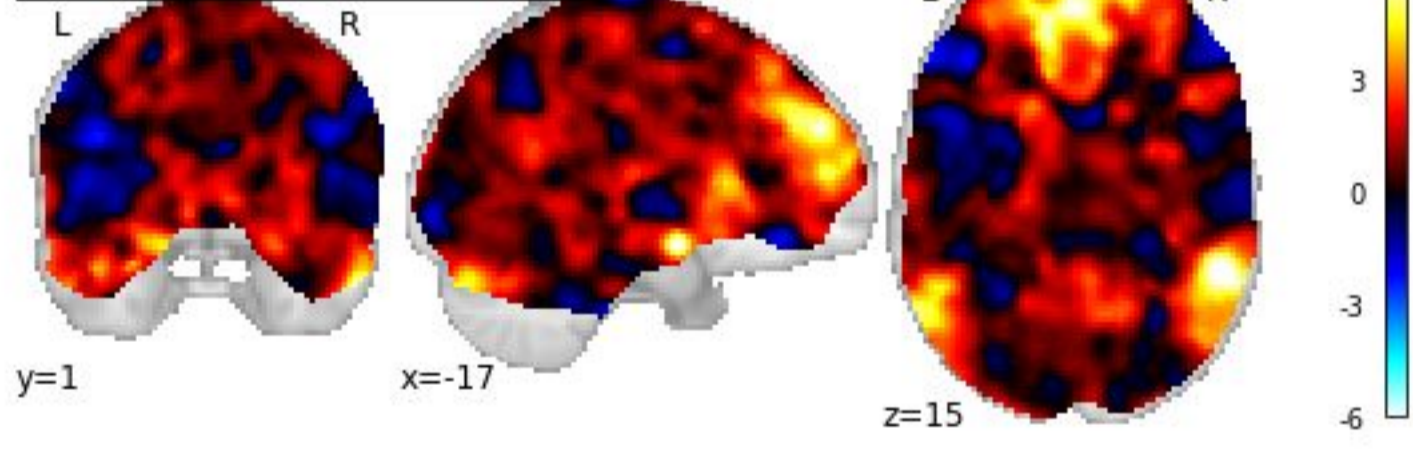
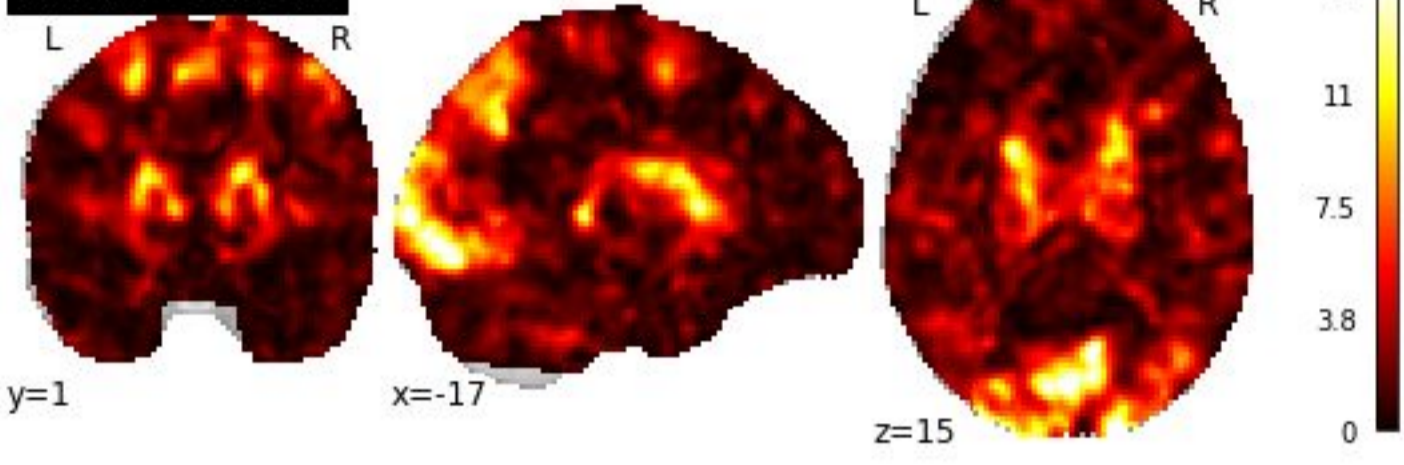


Figure S11. ds120 Inter-Software Comparison, F-Statistic Maps

**AFNI: F-statistic**



**SPM: F-statistic**

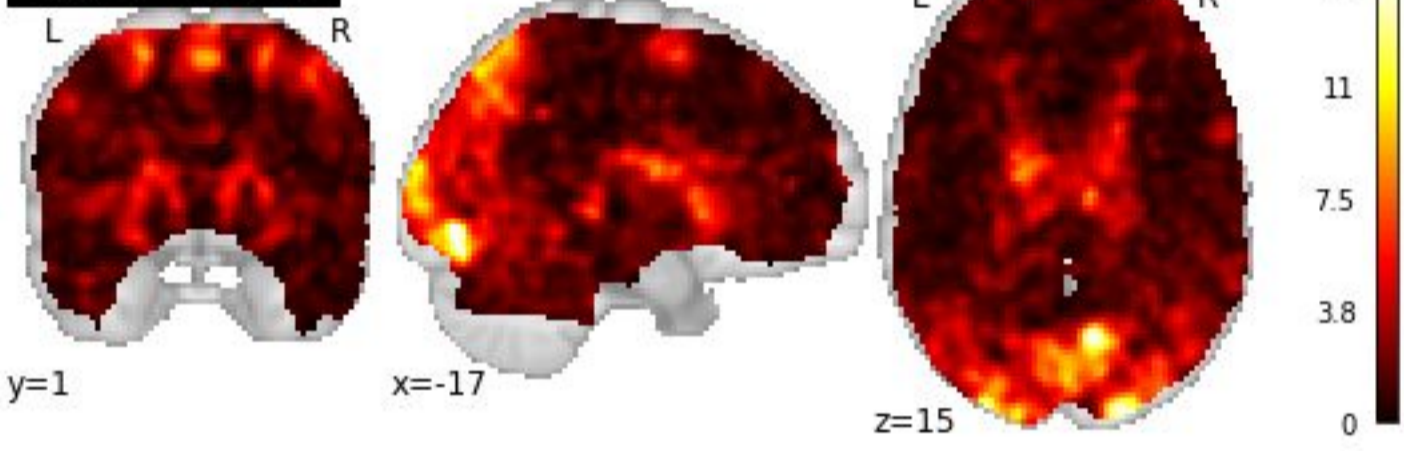


Figure S12. ds000120 Inter-Software Comparison, Euler Characteristic Curves for F-Statistic Maps

