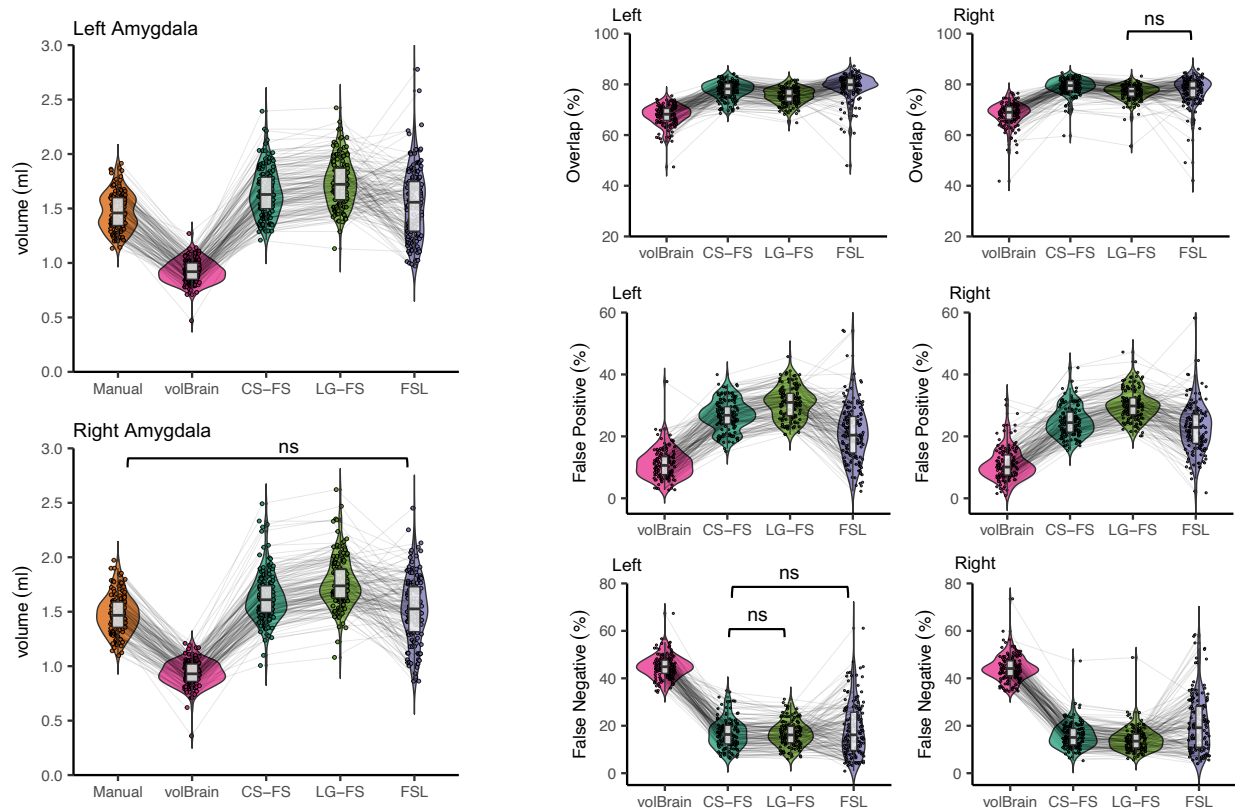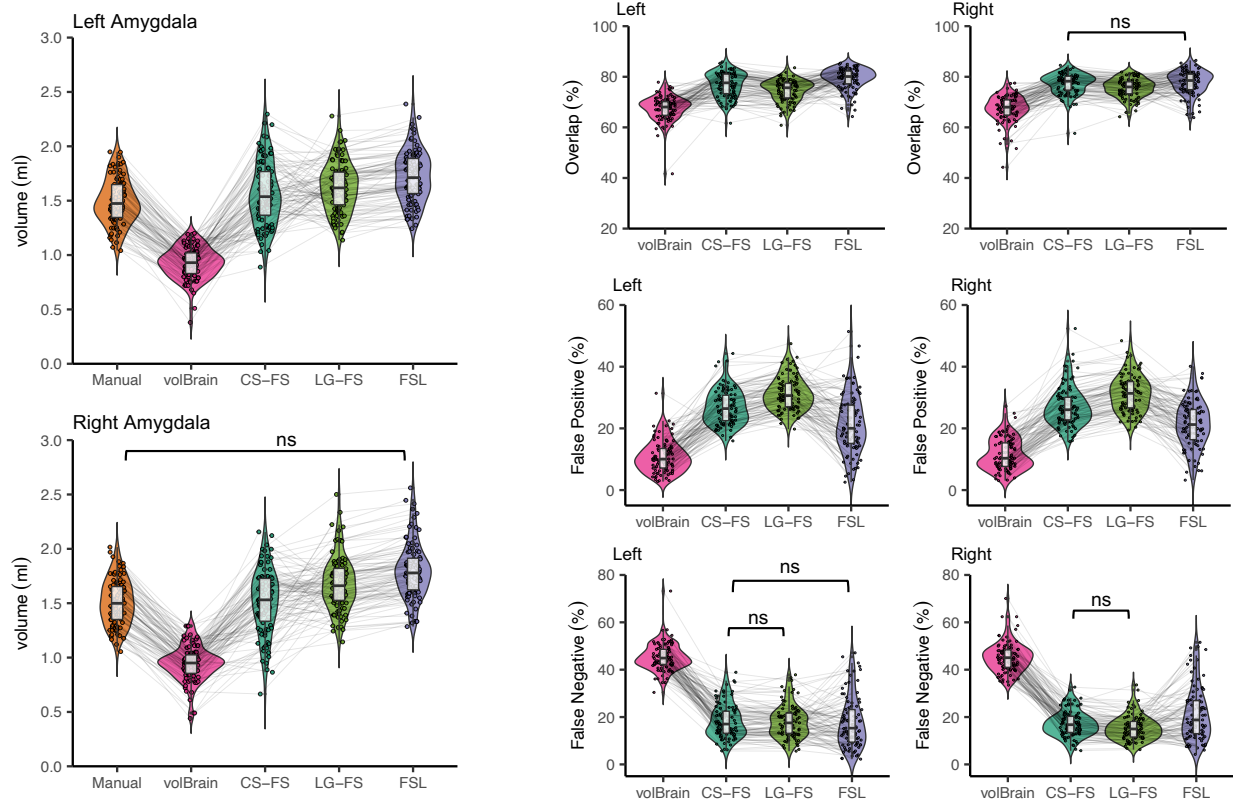# Supplementary Figures

Figure S1. Volumes produced by each method for the second-wave samples as above. Horizontal bars indicate non-significant differences between manual and automated methods on pairwise comparisons. In the left and right amygdala, spatial overlap, false positive rate and false negative rate for segmentation using *volBrain*, CS-FS, LG-FS and *FSL* compared to the manual "gold standard". Horizontal bars indicate non-significant test for difference in percent volume overlap, false-positive rate and false-negative rate. The remaining comparisons showed significant differences.

Figure S2. Volumes produced by each method for the third-wave samples as above. Brackets indicate non-significant differences between manual and automated methods on pairwise comparisons. In the left and right amygdala, spatial overlap, false positive rate and false negative rate for segmentation using *volBrain*, CS-FS, LG-FS and *FSL* compared to the manual "gold standard". Horizontal bars indicate non-significant test for difference in percent volume overlap, false-positive rate and false-negative rate. The remaining comparisons showed significant differences.
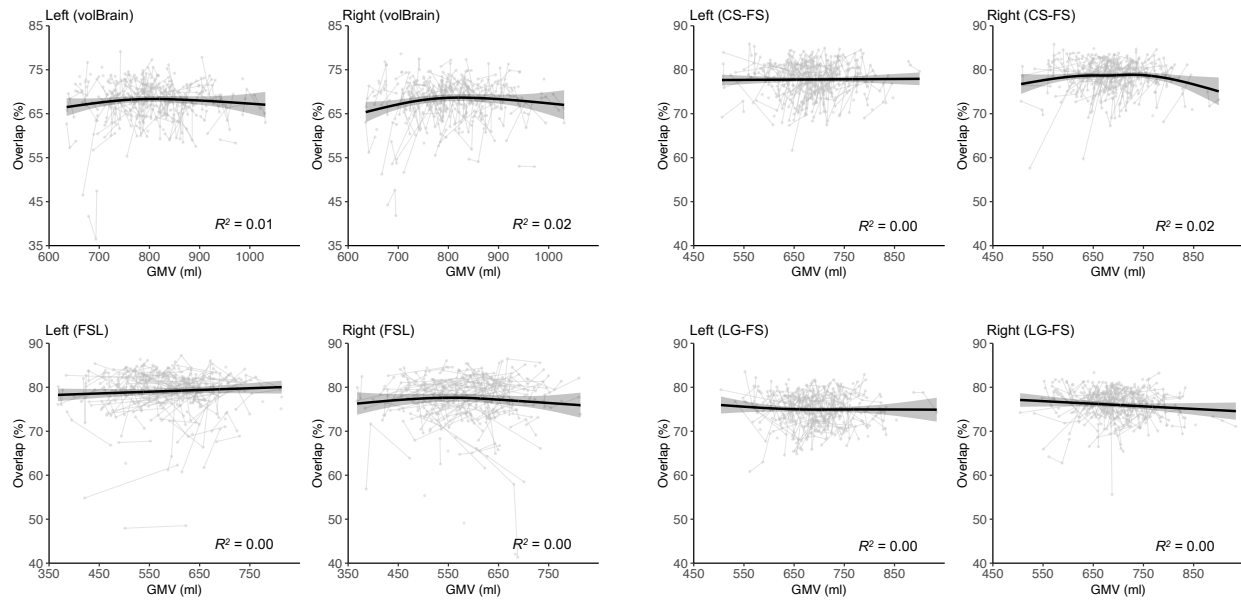
Figure S3. Plots of percent spatial overlap between volumes obtained by automated methods with manual tracing for bilateral amygdala versus GMV. *p < 0.05; **p < 0.01;***p < 0.001
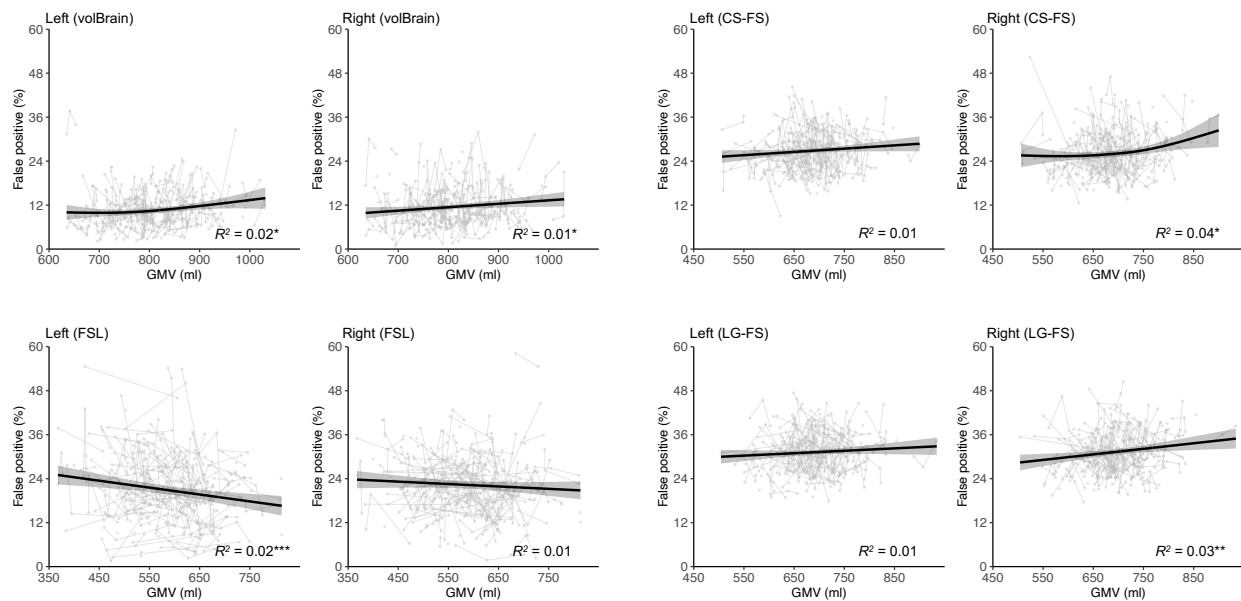
Figure S4. Plots of percent false positive of automated methods for segmenting bilateral amygdala versus GMV. *p < 0.05; **p < 0.01;***p < 0.001
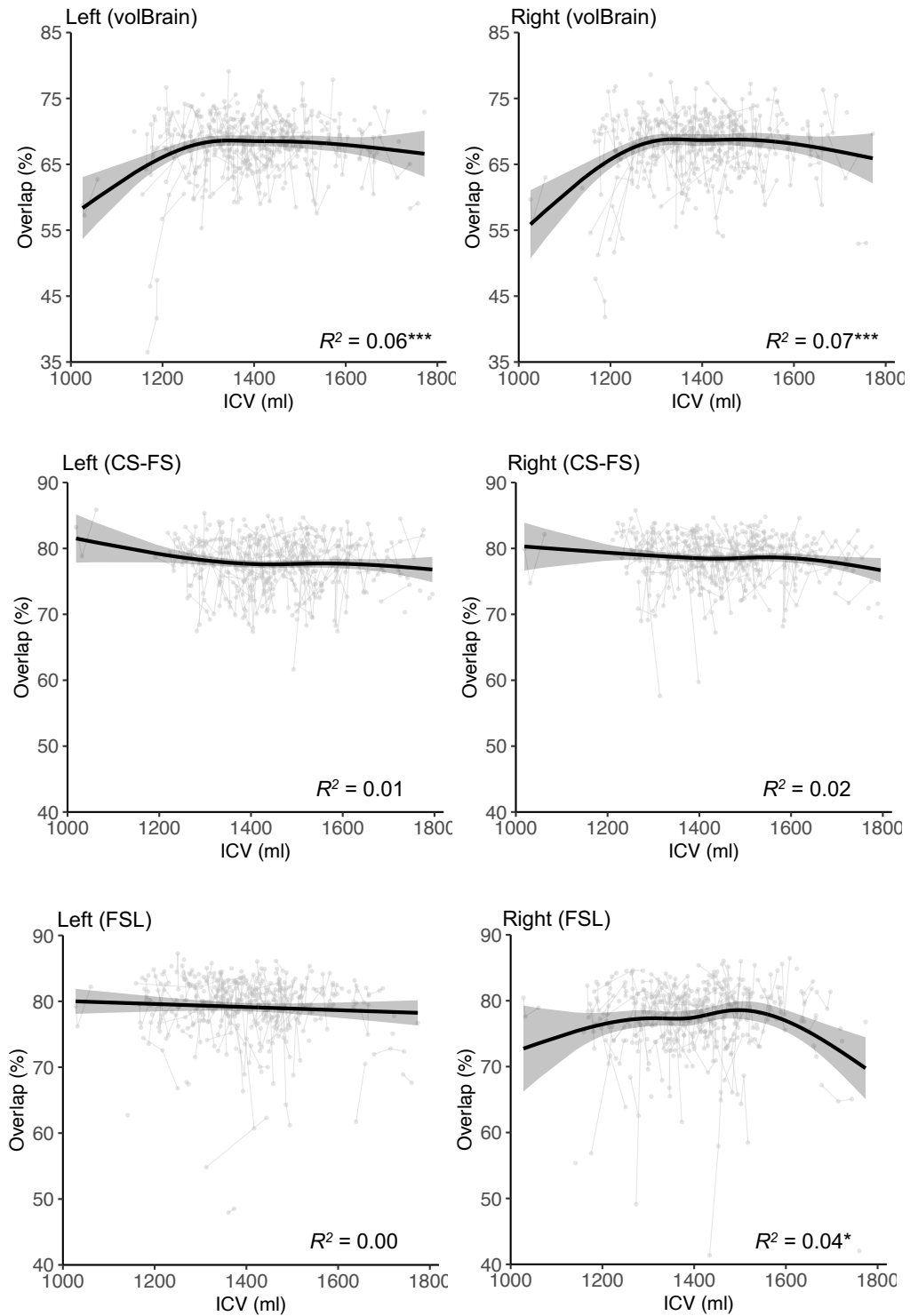
Figure S5. Plots of percent spatial overlap between volumes obtained by automated methods with manual tracing for bilateral amygdala versus ICV. *p < 0.05; **p < 0.01;***p < 0.001
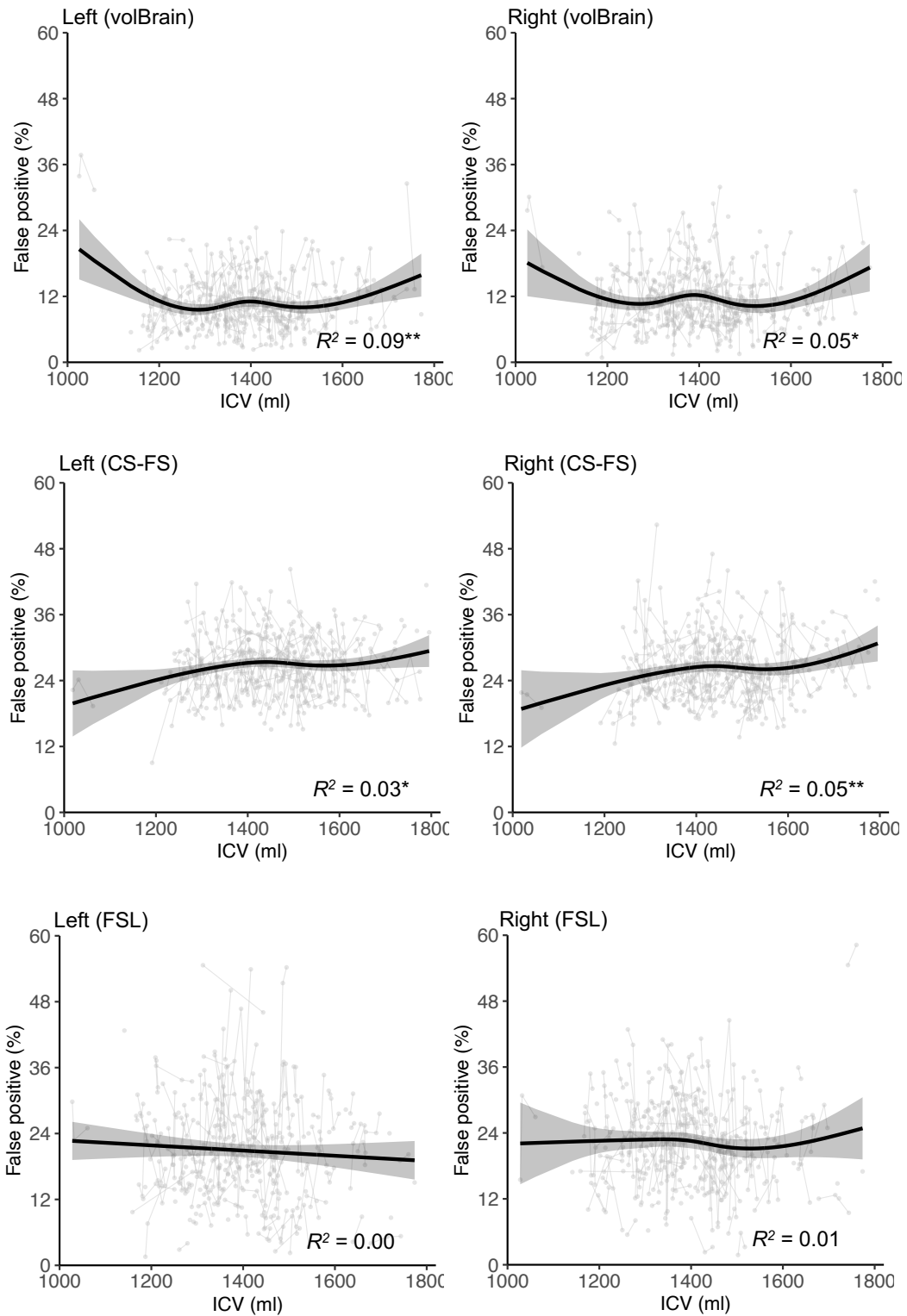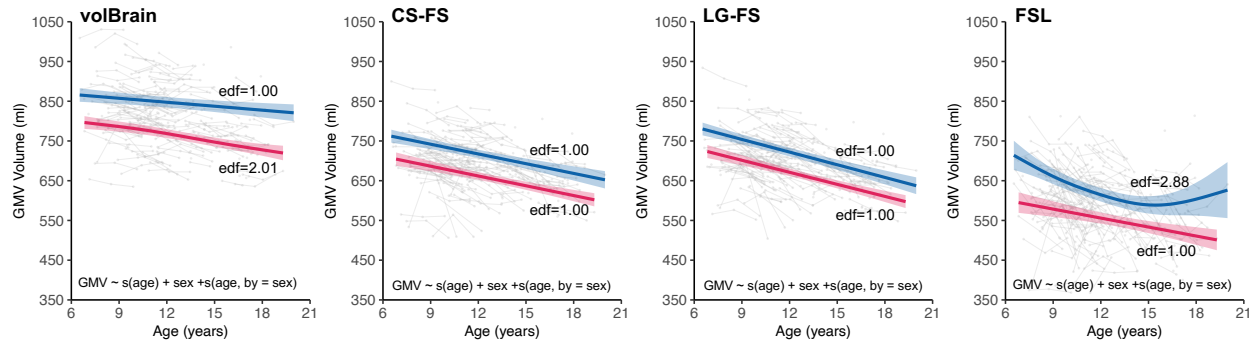
Figure S6. Plots of percent false positive of automated methods for segmenting bilateral amygdala versus ICV. *p < 0.05; **p < 0.01;***p < 0.001

Figure S7. Longitudinal developmental trajectories of GMV traced by volBrain, CS-FS, LG-FS and FSL. The blue color indicates trajectories for boys, while the red color indicates trajectories for girls. The trajectories are surrounded by shaded 95% confidence intervals.
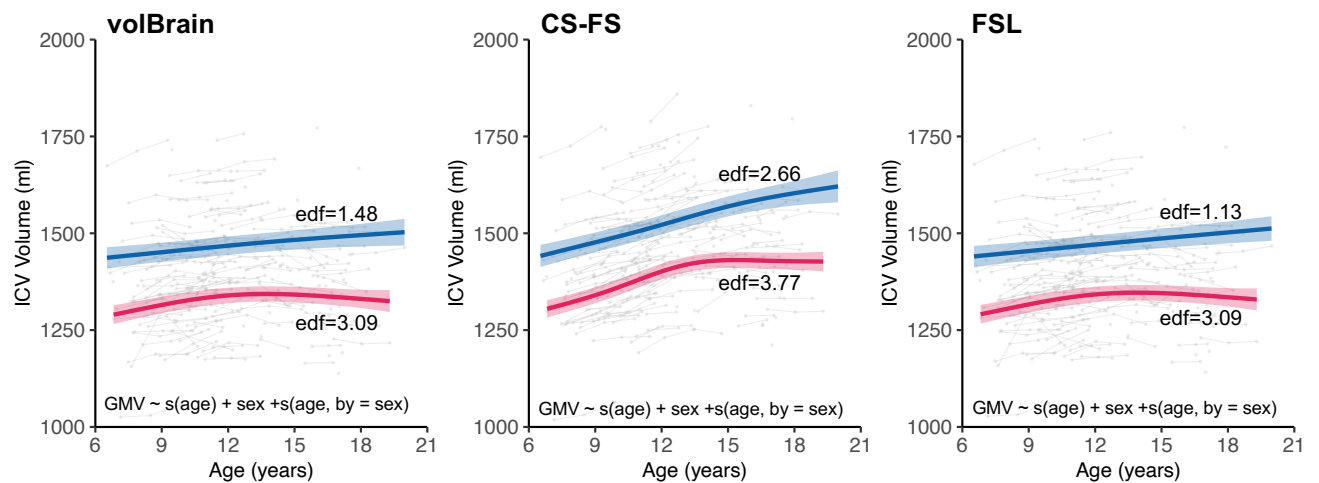
Figure S8. Longitudinal developmental trajectories of ICV traced by volBrain, CS-FS and FSL. The blue color indicates trajectories for boys, while the red color indicates trajectories for girls. The trajectories are surrounded by shaded 95% confidence intervals.