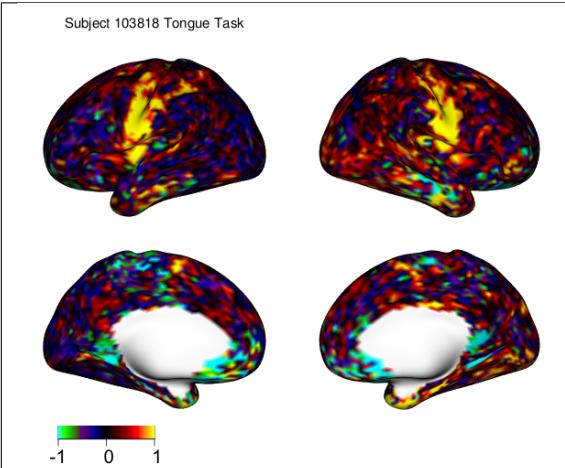
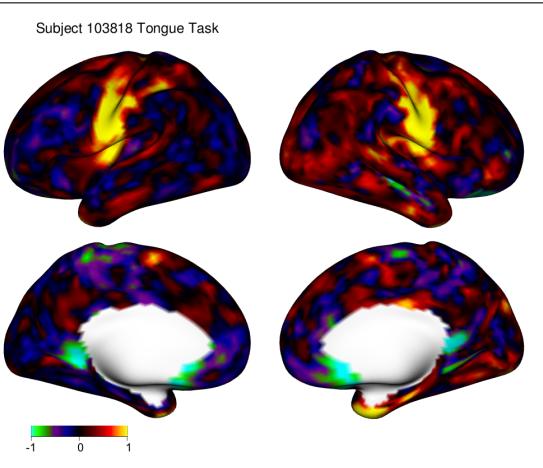


## **1 Single-subject Results**

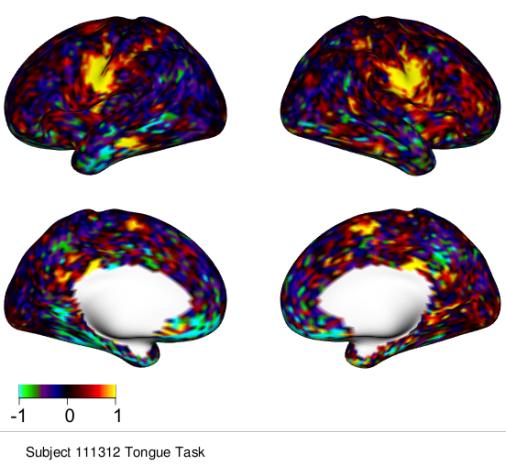
**Classical GLM**



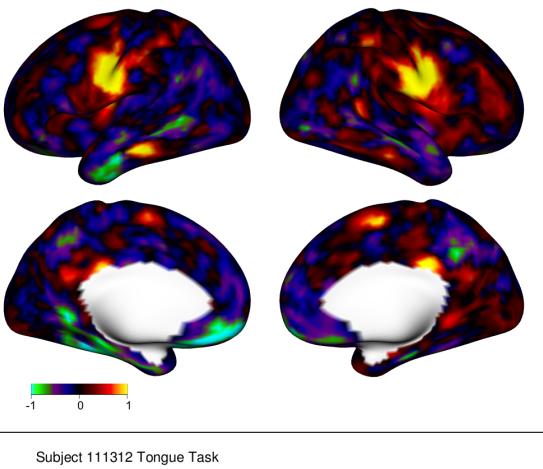
**Bayesian GLM**



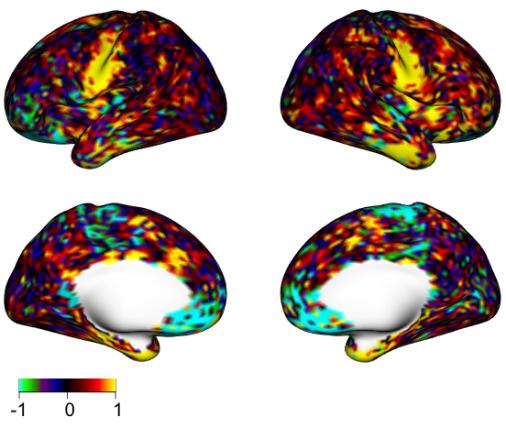
Subject 105923 Tongue Task



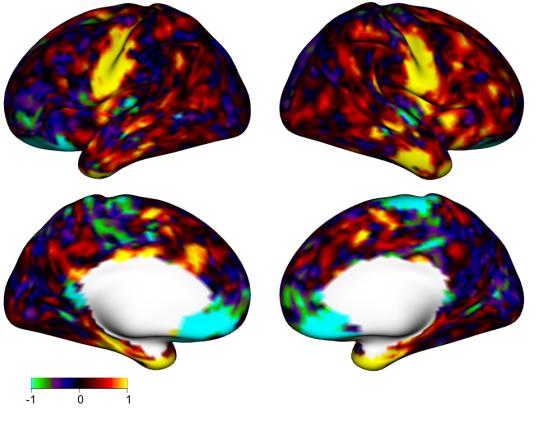
Subject 105923 Tongue Task



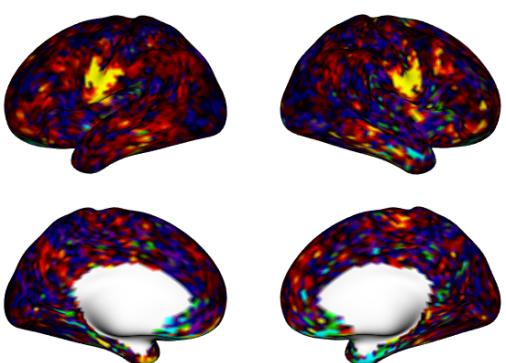
Subject 111312 Tongue Task



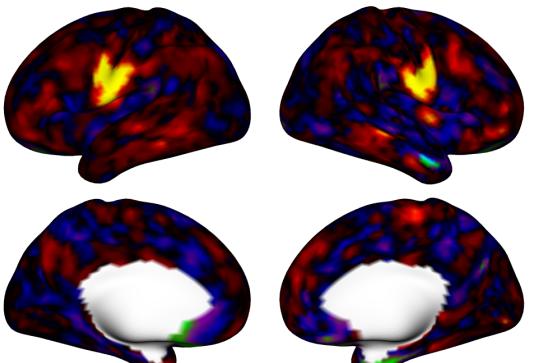
Subject 111312 Tongue Task



Subject 114823 Tongue Task



Subject 114823 Tongue Task



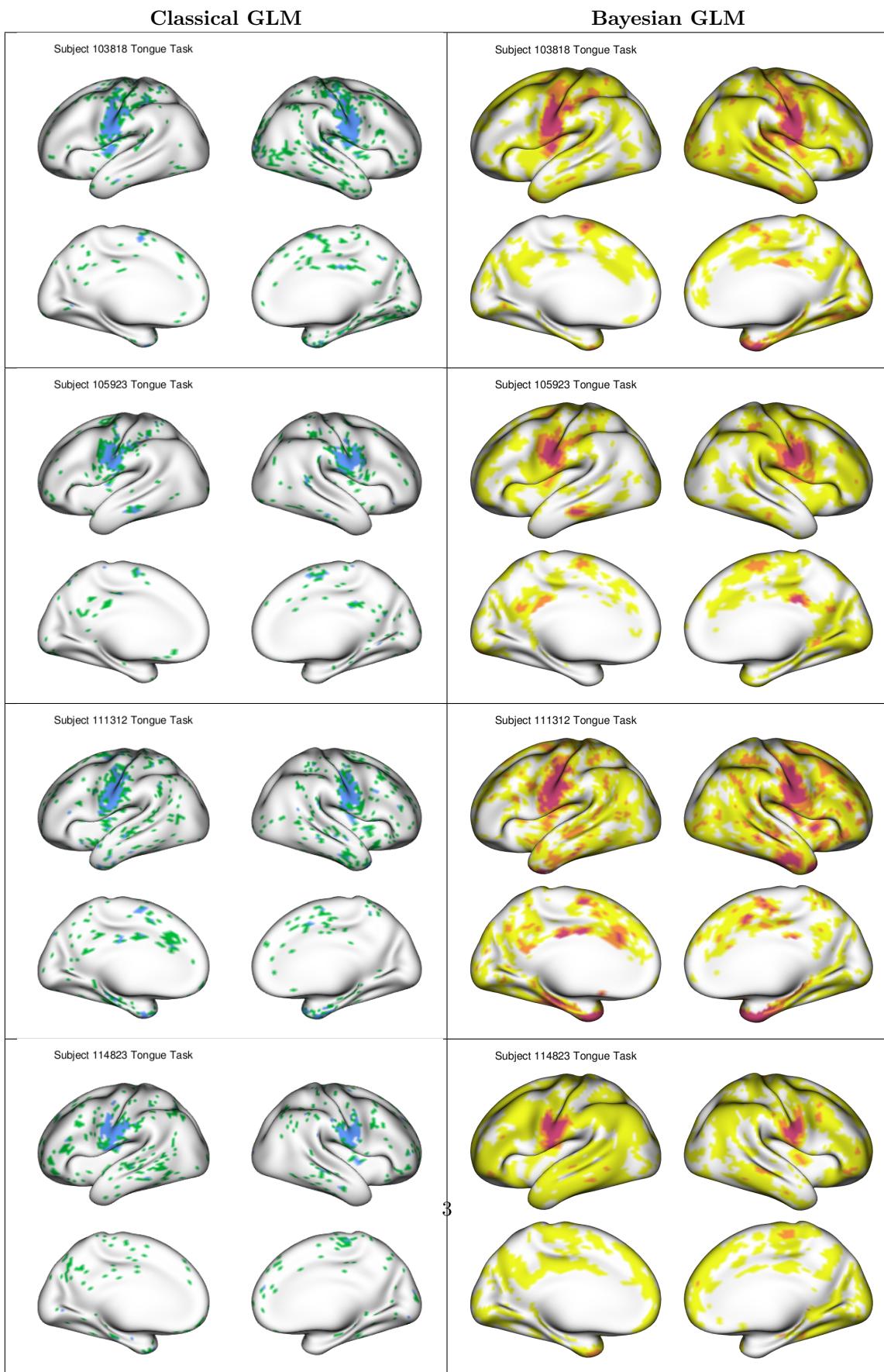


Figure (2) Single-subject activations for both brain hemispheres for the tongue task.

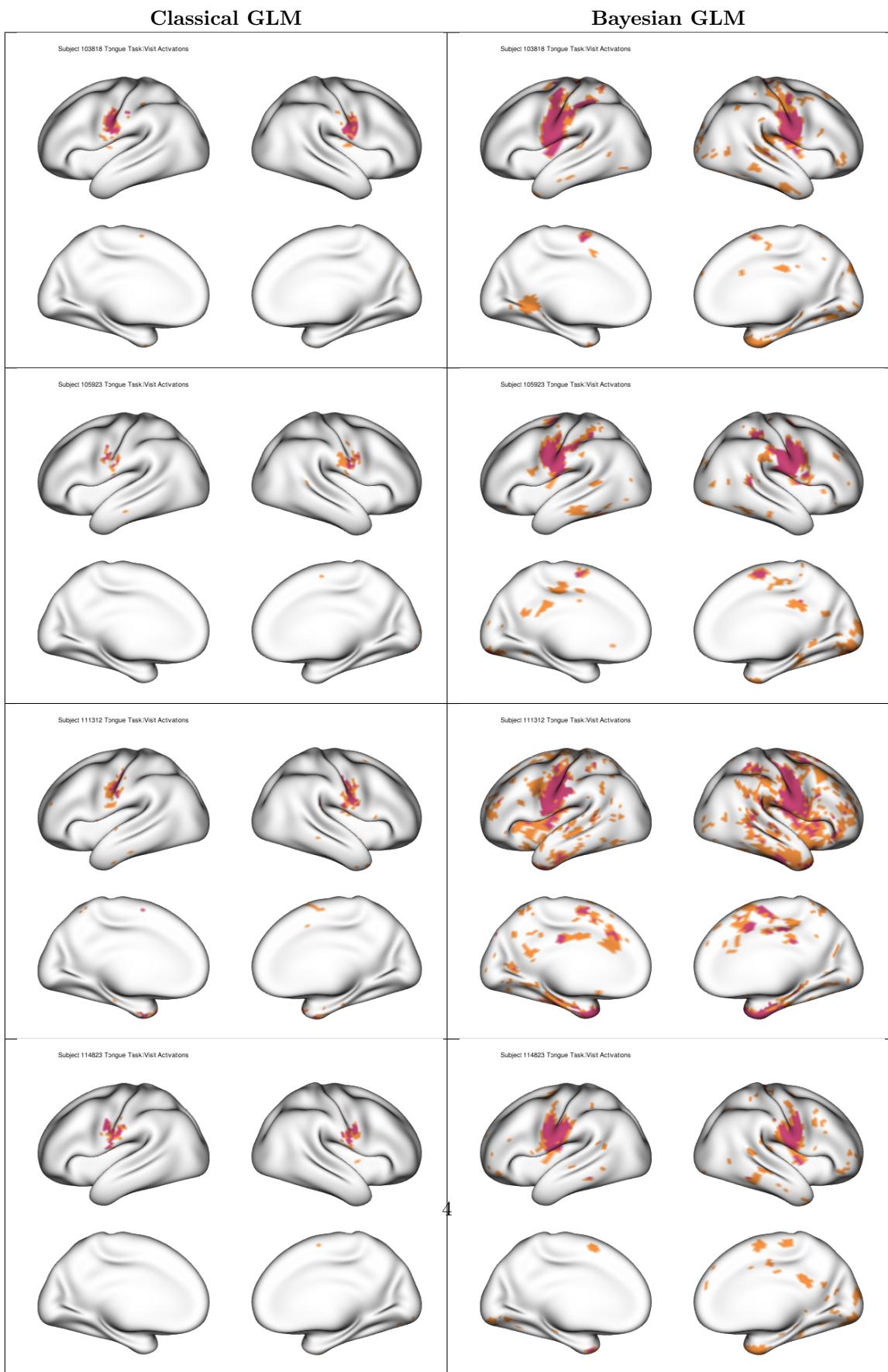


Figure (3) Number of detected activations across the two visits for the tongue task at  $\gamma = 0.5\%$  and  $\alpha = 0.01$ .