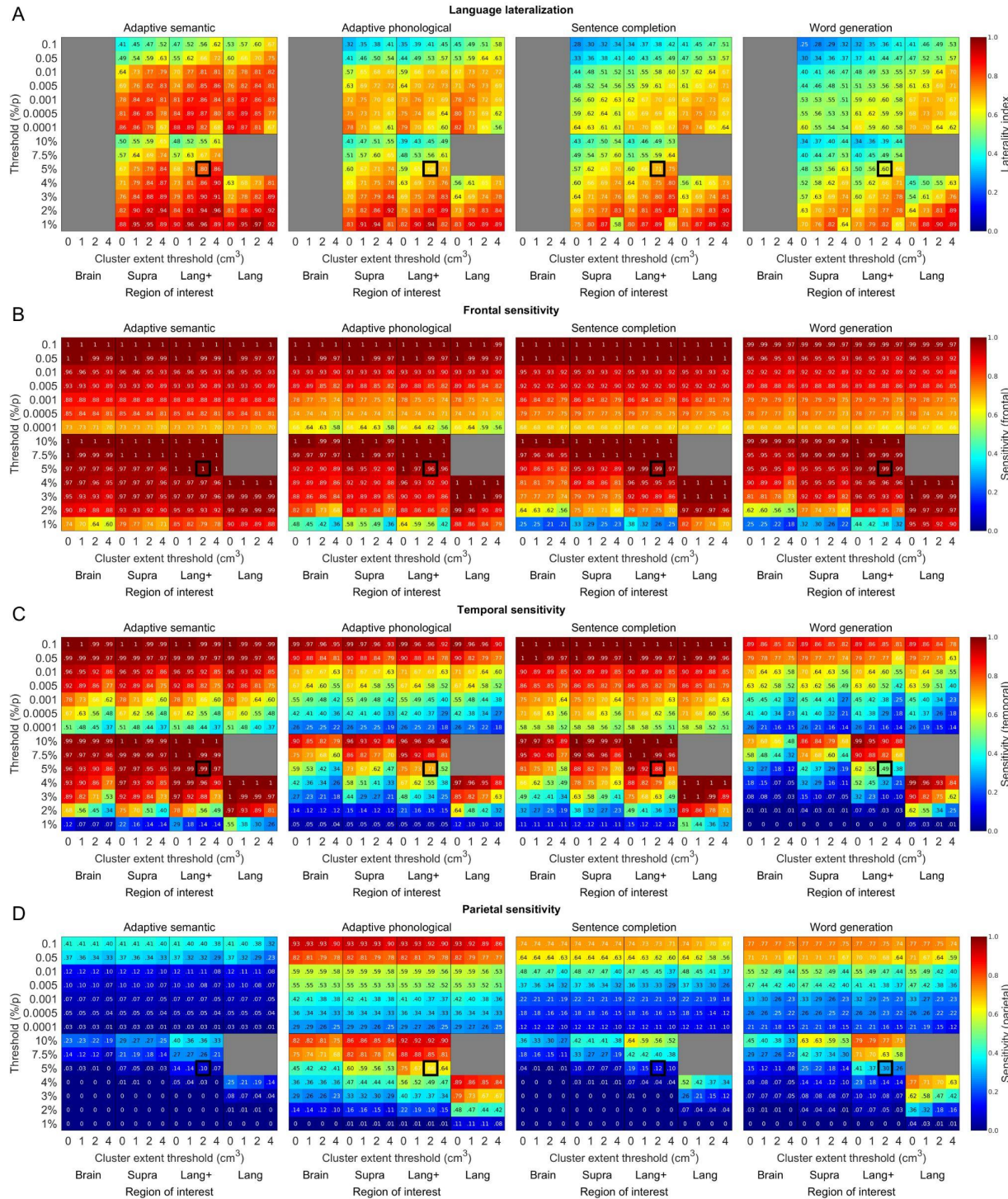# Online supplemental data

Supplemental Figure 1. Impact of analysis parameter sets. The parameters used in the main analyses were chosen *a priori* based on previous studies,[13,15] and are indicated with black rectangles. Note that there are tradeoffs between capacity to reveal lateralization, and sensitivity.

(A) Language lateralization as a function of paradigm, region of interest (whole brain; supratentorial; extensive bilateral ROI described in text; language ROIs described in text and homotopic counterparts), voxelwise threshold (several absolute and relative thresholds are shown), and minimum cluster extent. LI measures were flipped for right-lateralized patients. (B) Sensitivity for detecting an inferior frontal activation of at least 4 cm^3 in the dominant hemisphere, as a function of the same variables. (C) Sensitivity for detecting a posterior temporal activation of at least 4 cm^3 in the dominant hemisphere. (D) Sensitivity for detecting an anterior parietal activation of at least 4 cm^3 in the dominant hemisphere.