# SUPPLEMENTARY MATERIAL

A group of images of a brain

Description automatically generated

**Supplementary Figure 1.** Activation maps during the verb generation task. (**a**) typically lateralized group. (**b**) atypically lateralized group. Voxel-wise one-sample *t* tests for ‘activation > control’ condition (*P* = .001, FWE-cluster corrected at *P* < .05). The color bar represents *t* value. L = left hemisphere, R = right hemisphere.

A graph of a graph of a graph

Description automatically generated with medium confidence

**Supplementary Figure 2.** Histogram displaying the verb generation task LI (Laterality Index). Positive values correspond to leftward functional asymmetry, whereas negative values indicate rightward functional asymmetry.