

Supplementary Figure S1

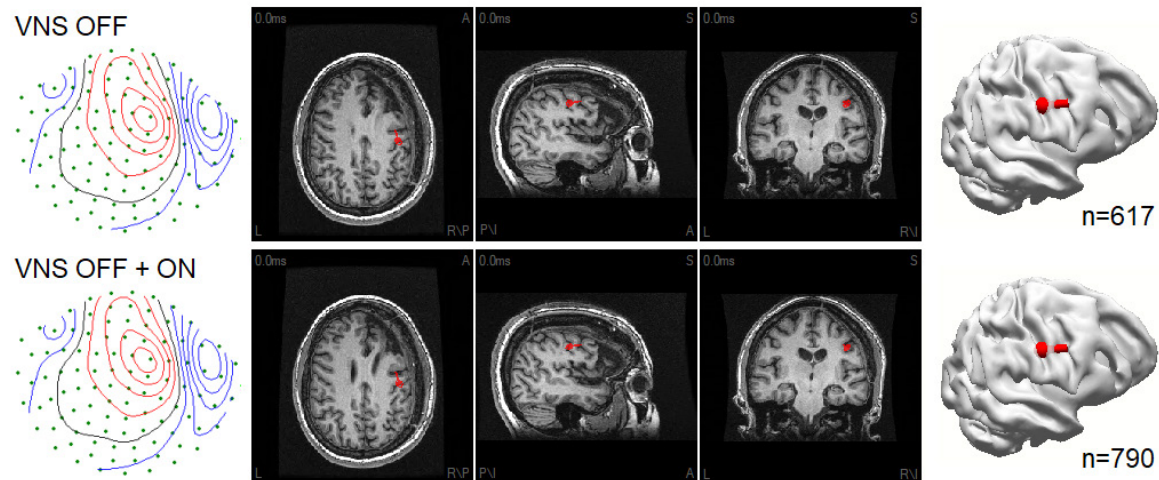


Fig. S1. Comparison of dipole source modeling performed on back-averaged MEG waveforms obtained from the 617 potentials acquired during VNS off epochs (top) versus the total 790 potentials acquired during both VNS off and VNS on epochs (bottom). Magnetometer flux fields (left; red = magnetic flux out of the head, blue = magnetic flux into the head) and dipole source solutions plotted on patient's MRI scan (middle) and on inflation of 3D reconstruction of the same MRI scan (right). The flux fields and MSI solutions are nearly identical (the two source maxima within 0.5-0.9 mm in three axes; signal-to-noise ratio 9.5 versus 10.0, goodness-of-fit (explained variance) 88.4% versus 87.7%, VNS off versus VNS off + on, respectively).