Supplementary Figure 4. A. While Thierry et al. claimed to have controlled for inter-stimulus similarity between pictures of faces and objects (exact values not reported), their own data suggest otherwise. Faces had a larger pixel-wise correlation than non-face objects in all their experiments, but for high ISPV in Experiment 1. Similarly, in Experiment 2 there was a complete lack of control between faces and non-face objects. B. These histograms derived from Thierry et al.’s (2007) data provides the best illustration that ISPV cannot account for N170 amplitude, showing an inverse relationship between within-category picture similarity (highest for faces) and N170 amplitude (highest for cars) in the low ISPV condition and similar N170 amplitudes for faces and cars in the high ISPV condition despite lower picture similarity for faces than cars (Experiment 1). Similarly, there is no difference in N170 amplitude in Experiment 2 between faces and butterflies despite a much higher pixel-wise correlation for faces in the two conditions ISPV conditions.