



Fig S1 The correlations of discrimination criteria with the gray matter density in (A) BA46L (DLPFC) as well as in (B) Amygdala. For fearful face discrimination (filled circle), a criteria value larger than zero indicates a liberal bias to report perceiving a fearful face. For non-fearful face (i.e., Angry/Happy) discrimination (open circle), a value larger than zero indicates a bias to report perceiving a happy face. Here, $d'a$ for the corresponding Discrimination task was controlled. That is, $d'a$ in each of the Discrimination tasks involving a fearful face (i.e., fearful/angry and fearful/happy) was regressed out from criteria in the corresponding task, then the residual criterion value was averaged across the two Discrimination tasks. Similarly, $d'a$ in the angry/happy Discrimination task was controlled for the correlation analysis with bias in reporting a non-

fearful face. (+ $p < .10$)
465x210mm (300 x 300 DPI)