Table S1. Main findings in brain components and cognition under depression

Brain Component	Amplitude	Latency	Cognitive Functions (depression)	Controversies
P3b	Decreased	Prolonged	- Top-Down processing affected. - Reduction of the ability to allocate attentional resources and updating information. - Deficits in working memory. - Deficits in the decision-making process.	Yes
N1 (auditory)	Decreased	Prolonged	- Deficits in discrimination and information processing.	Not found
LDAEP (amplitude change between N1 and P2)	Increased	-	- Impulsivity. - Difficulties controlling the inhibitory control response. - Enhanced emotional sensitivity.	Yes
MMN	Decreased	Prolonged	- Deficits in change detection. - Deficits in auditory sensory memory. - Deficits in attention switching or mental shift.	Yes
ERN	Increased	-	- Alterations of error detection and error processing. - Hypersensitivity to errors. - Difficulties in strategic reasoning. - Deficits in cognitive control.	Yes
Pe	Decreased	-	- Difficulties to be aware of errors. - Indifference to commit mistakes (apathy), related to executive functions.	Yes
CRN	Decreased	-	- Increased error monitoring due to expectancies for error commission.	Yes