

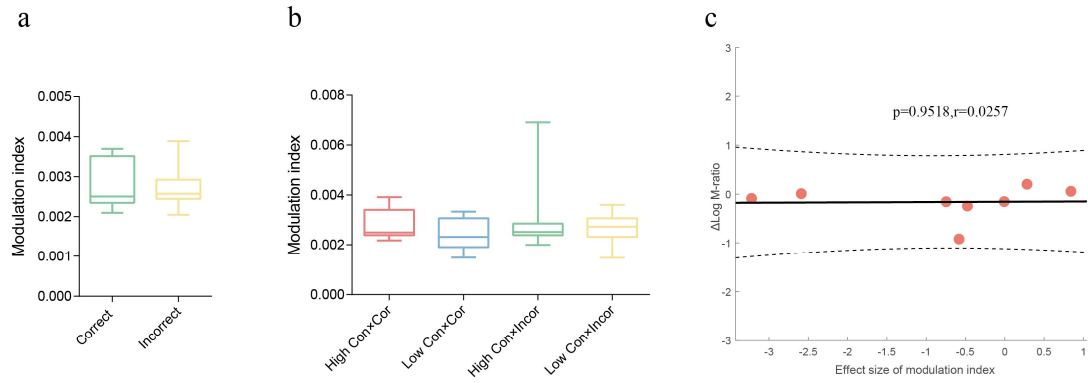


Figure. S1. Modulation index in different groups and the correlation with M-ratio. (a) Box plot shows the mean PAC (30-100Hz for amplitude and 4-10Hz for phase) in correct compared with incorrect. (b) Box plot shows the correlation proportion in four different conditions (high confidence $\times$ correct, low confidence $\times$ correct, high confidence $\times$ incorrect, low confidence $\times$ incorrect). (c) The effect size of modulation index is not significantly correlated with M-ratio.

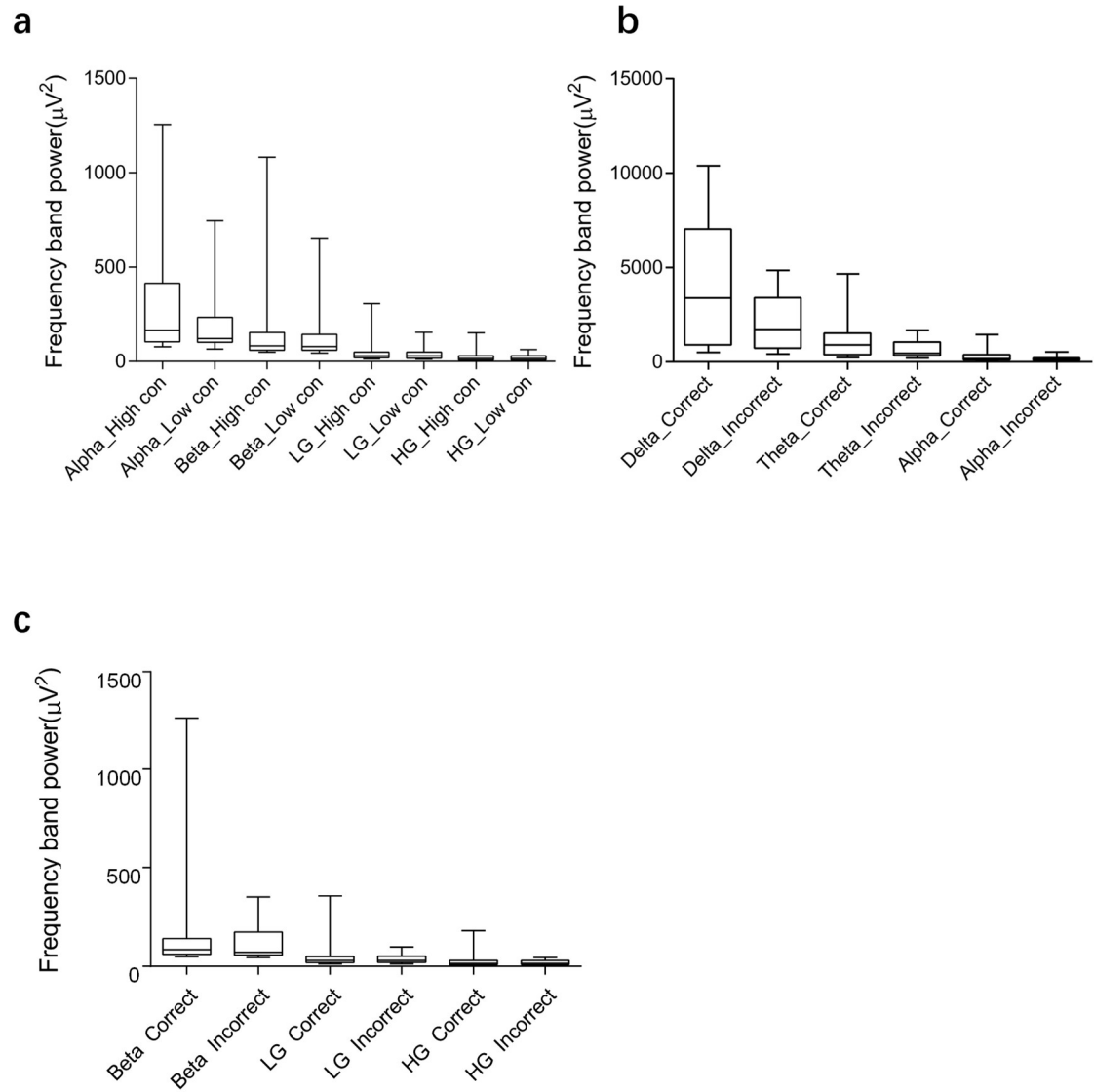


Figure. S2. The different frequency band power in the precuneus (a)Box plot shows the different band power in high confidence condition compared with low confidence condition. (b)Box plot shows the different band power (delta to alpha) in correct responses condition compared with incorrect responses condition. (c) Box plot shows the different band power (beta to high gamma) in correct responses condition compared with incorrect responses condition.

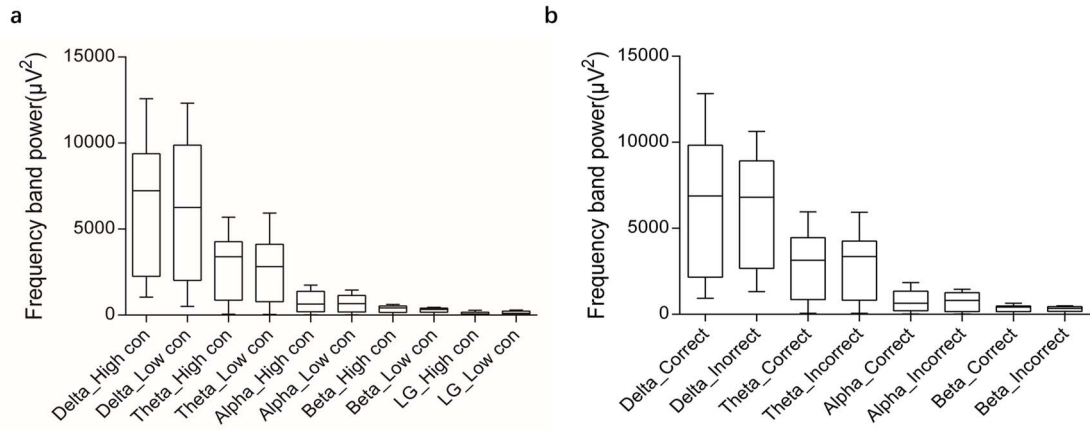


Figure. S3. The different frequency band power in the hippocampus.

(a)Box plot shows the different band power (delta to low gamma) in high confidence condition compared with low confidence condition. (b)Box plot shows the different band power (delta to beta) in correct responses condition compared with incorrect responses condition.

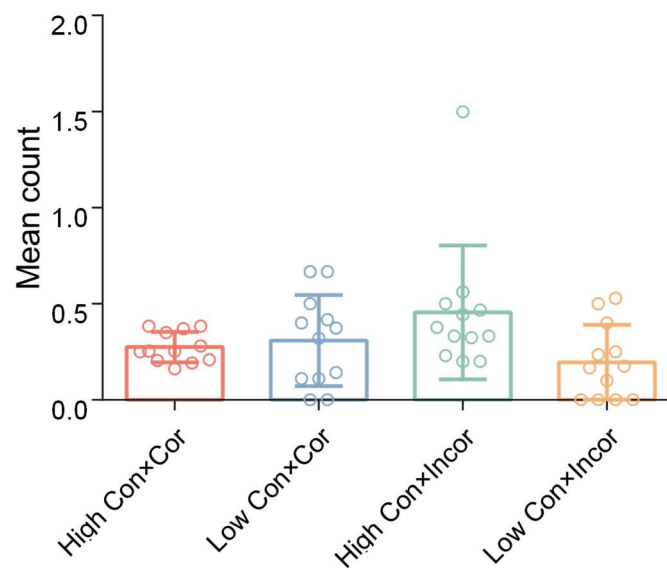


Figure. S4. The mean count of correlation in in four different conditions (high confidence $\times$ correct, low confidence $\times$ correct, high confidence $\times$ incorrect, low confidence $\times$ incorrect).

Patient#	Age	Sex	#Electrocode	#Total recording sites	#Selected electrodes and sites	Hippocampus	Precuneus
1	12	M	12	145	1; 2	Left	Left
2	28	M	12	148	1; 2	Right	Right
3	17	M	10	118	1; 2	Left	Left
4	20	M	11	112	1; 2	Left	Left
5	26	F	11	120	2; 4	Right	Right
6	16	M	14	158	2; 4	Left	Left
7	39	M	12	148	1; 2	Left	Left
8	37	M	14	172	3; 6	Right	Right

Table. S1. The basic information and electrocodes of each patient.