

# Decreased electrocortical temporal complexity distinguishes sleep from wakefulness

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## Supplementary Material

Max Frequency	ANOVA (pValue)	F	DF	State Comparison	<i>post-hoc</i> (pValue)
512Hz	4.63e-48	225.58	2,166	W-NREM	9.5605e-10
				W-REM	9.5605e-10
				NREM-REM	9.5605e-10
256Hz	1.27e-49	239.23	2,166	W-NREM	9.5605e-10
				W-REM	9.5605e-10
				NREM-REM	0.55869
128Hz	1.01e-41	175.79	2,166	W-NREM	9.5605e-10
				W-REM	9.5605e-10
				NREM-REM	9.5605e-10
64Hz	4.39e-49	234.46	2,166	W-NREM	9.5605e-10
				W-REM	9.5605e-10
				NREM-REM	9.5605e-10
32Hz	2.37e-35	183.89	2,166	W-NREM	9.5605e-10
				W-REM	1.3432e-05
				NREM-REM	9.561e-10

**Table S.1. PeEn and frequency content statistical summary.** This table provides the statistics for Fig.3a.

Electrode	pValue	F	DF	W-NREM (pValue)	W-REM (pValue)	NREM-REM (pValue)
OBr	0.0078	7.597	2,11	0.99	0.99	0.99
M1r	< 0.0001	15.85	2,11	0.0001	0.70	0.03
M1l	0.0005	12.49	2,11	0.0017	0.99	0.02
S1r	< 0.0001	16.93	2,11	0.0016	0.06	0.09
S1l	0.0002	14.63	2,11	0.0007	0.24	0.01
V2r	< 0.0001	62.53	2,11	0.0003	0.0081	0.99
V2l	0.0002	47.68	2,11	0.0004	0.0053	0.312

**Table S.2. Statistical comparisons between Amplitude Entropy values during sleep and wakefulness.** This table provides the statistics for Fig.5. Each row corresponds to a different cortical location, as shown in Fig.1. Data was evaluated by repeated ANOVA (pValue column) and Bonferroni *post-hoc* test measures (last 3 columns of the table)