Corrigendum: Theta Oscillations Alternate With High Amplitude Neocortical Population Within Synchronized States

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A Corrigendum on

Theta Oscillations Alternate With High Amplitude Neocortical Population Within Synchronized States
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In the original article, there was a mistake in the legend for Figure 6 as published. In panels B and C, the average over all means is highlighted instead of the means for example experiments in panel A. The correct legend appears below.

Figure 6 | Neocortical activity differs depending on BL5- vs. THETA-dominant states. **(A)** CSD (color, mA/mm^3) and spiking activity (black asterisks) from example anesthetized and unanesthetized experiments seen in previous figures. UP state onsets are marked by solid black lines, while DOWN state onsets are marked by dashed lines. **(B)** Top plot shows density of UP state amplitude and UP state amplitude peak location for individual experiments, along with the mean with respect to φ. Density is normalized for each φ bin, and the mean for a φ bin is calculated only if there are ≥ 30 points. We only included synchronized data points. Lower plots show the mean for all experiments, with highlighted results for the average over all experiment means. UP peak location is centered along the mean location for each experiment (UP location minus UP location mean). **(C)** Top left plot shows average spectrogram values over φ for the same example experiments as above, along with the mean peak frequency over φ. Other plots show means for all experiments, with highlighted results for the example experiment.

In the original article, there was also a mistake in **Supplementary Table 3** as published. There is an error in UP Depth Anes. SUB Mean, Peak Frequency (<2.5 Hz) Unanes. BL5 Mean, and Peak Frequency Width (>2.5 Hz) Unanes. Test Statistic. The corrected **Supplementary Table 3** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Supplementary Table 3 | Statistical tests accompanying results in Figure 5.

CONDITION	N	P-VALUE	TEST STATISTIC	EFFECT SIZE	BL5 MEAN	BL5 SEM	SUB MEAN	SUB SEM
UP NORMALIZED AMPLITUDE, ANES	115444	0	6.5187E3	5.3244E-2	3.3595	0.0046	2.7518	0.0059
UP NORMALIZED AMPLITUDE, UNANES	21959	1.2692E-13	54.9684	2.4972E-3	3.2779	0.0106	3.1046	0.0059
UP DEPTH, ANES	115444	6.2071E-18	74.4782	5.5583E-4	239.8261	1.2229	220.6725	1.719
UP DEPTH, UNANES	21959	0.0023	9.2942	3.8785E-4	110.228	2.7267	93.4306	4.9412
PEAK FREQUENCY, ANES	98243	0	7.5526E3	6.4653E-2	2.1705	0.0039	2.7343	0.0051
PEAK FREQUENCY <2.5 HZ, UNANES	16551	0.6483	0.2081	1.2457E-5	1.3549	0.0054	1.3600	0.0096
PEAK FREQUENCY >2.5 HZ, UNANES	16551	6.4779E-8	29.2416	1.6102E-3	4.5372	0.0163	4.7166	0.0287
PEAK FREQUENCY WIDTH, ANES	98243	8.0711E-4	11.2255	1.1415E-4	1.1264	0.0022	1.1140	0.0029
PEAK FREQUENCY WIDTH <2.5 HZ, UNANES	16551	7.3699E-7	24.5348	1.4778E-3	1.1529	0.0044	1.1084	0.0078
PEAK FREQUENCY WIDTH >2.5 HZ, UNANES	16551	3.7843E-12	48.3050	2.8986E-3	1.5664	0.0071	1.4661	0.0125

Matlab anovan() used throughout. Means and standard error of the mean (SEM) calculated with multcompare(). Effect size is the sum of squares divided by total sum of squares.