

Table S1 | Amplitude range of LFP signals recorded by means of the skull-fixed vs. the floating probes.

Power range LFP signals		
Week 8. All trials.		
(a.u.)		
	Floating probe recorded signals ($\times 10^{-12}$)	Skull-fixed probe recorded signals ($\times 10^{-12}$)
Minima	4.992	4.751
	6.512	4.278
	7.239	3.566
	4.792	2.621
	4.329	2.654
	4.581	2.814
	6.106	2.315
	8.687	2.241
	6.034	2.813
	7.054	2.661
	5.640	2.497
	4.193	2.991
	7.345	3.353
	4.360	3.672
	5.956	2.516
	6.385	4.002
Average	5.888	3.109
	Floating probe recorded signals ($\times 10^{-10}$)	Skull-fixed probe recorded signals ($\times 10^{-11}$)
Maxima	2.241	6.652
	1.876	8.731
	1.563	7.375
	1.970	8.960
	1.893	6.790
	2.131	6.149
	2.331	4.534
	1.436	7.814
	1.823	6.790
	1.574	6.922
	1.733	6.266
	1.363	6.636
	1.673	6.076
	1.349	7.323
	1.318	7.237
	1.890	6.264
Average	1.760	6.907
Ratios max/min	29.891	22.216
Ratios min SFP / min FP	1.894	
Ratios max SFP/ max FP	2.548	

SFP = Skull-fixed probe
FP = Floating probe