**Time-locked acute alpha-frequency stimulation of subthalamic nuclei during evaluation of emotional stimuli and its effect on power modulation**

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**Supplementary Table 1: Subjects in each condition and the corresponding MNI contacts**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Subj id** |  | **No Stim****MNI coordinates** | **10 Hz Stim****MNI coordinates** | **130 Hz Stim****MNI coordinates** |
|  | Contact | X Y Z | X Y Z | X Y Z |
| 21 | R0R1R2R3L0L1L2L3 |  |  | 12.1 -15.4 -8.613.4 -14.1 -5.514.8 -12.9 -2.416.1 -11.7 0.7-10.3 -16.8 -7.9-11.4 -14.9 -5.0-12.5 -13.0 -2.0-13.7 -11.1 0.9 |
| 22 | R0R1R2R3L0L1L2L3 |  | 11.6 -17.0 -9.1 12.8 -15.2 -6.7 14.0 -13.5 -3.7 15.2 -11.7 -0.8 -9.8 -17.3 -7.5-10.8 -15.7 -4.5-11.9 -14.1 -1.5-12.9 -12.5 1.5 | 11.6 -17.0 -9.1 12.8 -15.2 -6.7 14.0 -13.5 -3.7 15.2 -11.7 -0.8 -9.8 -17.3 -7.5-10.8 -15.7 -4.5-11.9 -14.1 -1.5-12.9 -12.5 1.5 |
| 23 | R0R1R2R3L0L1L2L3 |  | 11.6 -14.1 -9.8 12.8 -13.0 -6.414.0 -11.9 -3.015.1 -10.8 0.4-12.8 -15.3 -7.5-14.0 -14.1 -4.3-15.2 -12.8 -1.2-16.3 -11.6 2.0 | 11.6 -14.1 -9.8 12.8 -13.0 -6.414.0 -11.9 -3.015.1 -10.8 0.4-12.8 -15.3 -7.5-14.0 -14.1 -4.3-15.2 -12.8 -1.2-16.3 -11.6 2.0 |
| 25 | R0R1R2R3L0L1L2L3 | 10.6 -14.4 -8.611.2 -12.9 -5.311.9 -11.4 -2.012.5 -9.9 1.3-10.8 -15.9 -9.4-12.2 -15.0 -6.2-13.5 -14.0 -3.0-14.9 -13.1 0.2 | 10.6 -14.4 -8.611.2 -12.9 -5.311.9 -11.4 -2.012.5 -9.9 1.3-10.8 -15.9 -9.4-12.2 -15.0 -6.2-13.5 -14.0 -3.0-14.9 -13.1 0.2 | 10.6 -14.4 -8.611.2 -12.9 -5.311.9 -11.4 -2.012.5 -9.9 1.3-10.8 -15.9 -9.4-12.2 -15.0 -6.2-13.5 -14.0 -3.0-14.9 -13.1 0.2 |
| 26 | R0R1R2R3L0L1L2L3 | 10.0 -16.7 -10.010.9 -15.2 -7.011.7 -13.8 -4.012.6 -12.3 -1.0-11.0 -18.6 -9.4-12.2 -17.2 -6.7-13.4 -15.8 -4.0-14.6 -14.3 -1.2 | 10.0 -16.7 -10.010.9 -15.2 -7.011.7 -13.8 -4.012.6 -12.3 -1.0-11.0 -18.6 -9.4-12.2 -17.2 -6.7-13.4 -15.8 -4.0-14.6 -14.3 -1.2 | 10.0 -16.7 -10.010.9 -15.2 -7.011.7 -13.8 -4.012.6 -12.3 -1.0-11.0 -18.6 -9.4-12.2 -17.2 -6.7-13.4 -15.8 -4.0-14.6 -14.3 -1.2 |
| 27 | R0R1R2R3L0L1L2L3 | 13.4 -14.3 -8.614.8 -12.9 -5.516.1 -11.5 -2.317.5 -10.0 0.9-12.9 -16.7 -6.1-13.7 -15.2 -2.9-14.5 -13.8 0.4-15.3 -12.4 3.7 |  | 13.4 -14.3 -8.614.8 -12.9 -5.516.1 -11.5 -2.317.5 -10.0 0.9-12.9 -16.7 -6.1-13.7 -15.2 -2.9-14.5 -13.8 0.4-15.3 -12.4 3.7 |
| 29 | R0R1R2R3L0L1L2L3 | 13.8 -16.3 -7.414.9 -14.7 -4.516.0 -13.1 -1.517.0 -11.6 1.5-13.4 -17.7 -8.7-14.3 -16.4 -5.4-15.1 -15.1 -2.2-16.0 -13.7 1.0 | 13.8 -16.3 -7.414.9 -14.7 -4.516.0 -13.1 -1.517.0 -11.6 1.5-13.4 -17.7 -8.7-14.3 -16.4 -5.4-15.1 -15.1 -2.2-16.0 -13.7 1.0 | 13.8 -16.3 -7.414.9 -14.7 -4.516.0 -13.1 -1.517.0 -11.6 1.5-13.4 -17.7 -8.7-14.3 -16.4 -5.4-15.1 -15.1 -2.2-16.0 -13.7 1.0 |
| 30 | R0R1R2R3L0L1L2L3 | 10.7 -15.1 -10.411.8 -13.8 -7.213.0 -12.4 -4.014.1 -11.1 -0.8-11.4 -15.7 -10.7-12.6 -14.0 -7.9-13.8 -12.3 -5.1-14.9 -10.5 -2.3 | 10.7 -15.1 -10.411.8 -13.8 -7.213.0 -12.4 -4.014.1 -11.1 -0.8-11.4 -15.7 -10.7-12.6 -14.0 -7.9-13.8 -12.3 -5.1-14.9 -10.5 -2.3 | 10.7 -15.1 -10.411.8 -13.8 -7.213.0 -12.4 -4.014.1 -11.1 -0.8-11.4 -15.7 -10.7-12.6 -14.0 -7.9-13.8 -12.3 -5.1-14.9 -10.5 -2.3 |
| 33 | R0R1R2R3L0L1L2L3 |  | 10.8 -15.0 -9.011.8 -14.1 -5.812.8 -13.1 -2.53.9 -12.2 0.710.3 -15.8 -8.7-11.3 -14.9 -5.4-12.4 -14.0 -2.1-13.4 -13.0 1.1 | 10.8 -15.0 -9.011.8 -14.1 -5.812.8 -13.1 -2.53.9 -12.2 0.710.3 -15.8 -8.7-11.3 -14.9 -5.4-12.4 -14.0 -2.1-13.4 -13.0 1.1 |
| 34 | R0R1R2R3L0L1L2L3 | 12.7 -14.3 -8.713.9 -12.9 -5.815.1 -11.5 -3.016.3 -10.2 -0.2-10.4 -15.3 -7.0-11.4 -13.8 -4.0-12.3 -12.3 -0.9-13.3 -10.8 2.1 |  | 12.7 -14.3 -8.713.9 -12.9 -5.815.1 -11.5 -3.016.3 -10.2 -0.2-10.4 -15.3 -7.0-11.4 -13.8 -4.0-12.3 -12.3 -0.9-13.3 -10.8 2.1 |
| 38 | R0R1R2R3L0L1L2L3 | 11.1 -17.6 -8.412.1 -16.0 -5.413.2 -14.5 -2.314.2 -13.0 0.7-10.2 -17.4 -7.7-11.0 -16.4 -4.4-11.8 -15.3 -1.0-12.6 -14.3 2.3 |  | 11.1 -17.6 -8.412.1 -16.0 -5.413.2 -14.5 -2.314.2 -13.0 0.7-10.2 -17.4 -7.7-11.0 -16.4 -4.4-11.8 -15.3 -1.0-12.6 -14.3 2.3 |
| 40 | R0R1R2R3L0L1L2L3 | 12.1 -16.0 -8.313.2 -14.6 -5.114.3 -13.1 -1.915.3 -11.7 1.3-11.5 -16.7 -7.4-12.2 -15.3 -4.3-12.9 -13.8 -1.2-13.6 -12.3 2.0 | 12.1 -16.0 -8.313.2 -14.6 -5.114.3 -13.1 -1.915.3 -11.7 1.3-11.5 -16.7 -7.4-12.2 -15.3 -4.3-12.9 -13.8 -1.2-13.6 -12.3 2.0 | 12.1 -16.0 -8.313.2 -14.6 -5.114.3 -13.1 -1.915.3 -11.7 1.3-11.5 -16.7 -7.4-12.2 -15.3 -4.3-12.9 -13.8 -1.2-13.6 -12.3 2.0 |
| 43 | R0R1R2R3L0L1L2L3 | 10.8 -16.3 -10.212.0 -14.7 -7.23.2 -13.1 -4.214.4 -11.5 -1.2-11.6 -19.5 -7.9-12.3 -17.6 -5.0-13.0 -15.7 -2.1-13.8 -13.9 0.8 |  | 10.8 -16.3 -10.212.0 -14.7 -7.23.2 -13.1 -4.214.4 -11.5 -1.2-11.6 -19.5 -7.9-12.3 -17.6 -5.0-13.0 -15.7 -2.1-13.8 -13.9 0.8 |
| 44 | R0R1R2R3L0L1L2L3 | 10.8 -15.0 -10.311.9 -13.9 -7.113.0 -12.7 -3.914.0 -11.6 -0.7-11.3 -16.1 -9.2-12.4 -14.8 -6.3-13.4 -13.4 -3.5-14.4 -12.0 -0.6 | 10.8 -15.0 -10.311.9 -13.9 -7.113.0 -12.7 -3.914.0 -11.6 -0.7-11.3 -16.1 -9.2-12.4 -14.8 -6.3-13.4 -13.4 -3.5-14.4 -12.0 -0.6 |  |
| 45 | R0R1R2R3L0L1L2L3 | 11.2 -17.5 -10.712.2 -16.1 -7.713.3 -14.7 -4.814.4 -13.3 -1.9-11.8 -15.8 -9.7-13.1 -14.8 -6.7-14.3 -13.8 -3.7-15.6 -12.7 -0.7 |  | 11.2 -17.5 -10.712.2 -16.1 -7.713.3 -14.7 -4.814.4 -13.3 -1.9-11.8 -15.8 -9.7-13.1 -14.8 -6.7-14.3 -13.8 -3.7-15.6 -12.7 -0.7 |
| 46 | R0R1R2R3L0L1L2L3 | 11.4 -16.3 -9.412.6 -14.8 -6.013.8 -13.2 -2.615.0 -11.7 0.9-10.7 -16.9 -7.5-11.7 -15.3 -4.1-12.7 -13.7 -0.7-13.6 -12.0 2.8 |  | 11.4 -16.3 -9.412.6 -14.8 -6.013.8 -13.2 -2.615.0 -11.7 0.9-10.7 -16.9 -7.5-11.7 -15.3 -4.1-12.7 -13.7 -0.7-13.6 -12.0 2.8 |
| 50 | R0R1R2R3L0L1L2L3 | 12.1 -14.8 -8.813.1 -14.0 -5.214.1 -13.2 -1.515.1 -12.4 2.1-12.4 -15.4 -10.3-13.5 -14.6 -6.7-14.6 -13.8 -3.0-15.7 -12.9 0.6 | 12.1 -14.8 -8.813.1 -14.0 -5.214.1 -13.2 -1.515.1 -12.4 2.1-12.4 -15.4 -10.3-13.5 -14.6 -6.7-14.6 -13.8 -3.0-15.7 -12.9 0.6 | 12.1 -14.8 -8.813.1 -14.0 -5.214.1 -13.2 -1.515.1 -12.4 2.1-12.4 -15.4 -10.3-13.5 -14.6 -6.7-14.6 -13.8 -3.0-15.7 -12.9 0.6 |
| 52 | R0R1R2R3L0L1L2L3 | 13.2 -16.1 -8.813.8 -15.3 -6.014.9 -14.0 -3.016.4 -12.3 -0.2-10.6 -18.4 -8.4-11.3 -16.7 -5.7-12.1 -15.1 -3.0-12.9 -13.4 -0.3 | 13.2 -16.1 -8.813.8 -15.3 -6.014.9 -14.0 -3.016.4 -12.3 -0.2-10.6 -18.4 -8.4-11.3 -16.7 -5.7-12.1 -15.1 -3.0-12.9 -13.4 -0.3 | 13.2 -16.1 -8.813.8 -15.3 -6.014.9 -14.0 -3.016.4 -12.3 -0.2-10.6 -18.4 -8.4-11.3 -16.7 -5.7-12.1 -15.1 -3.0-12.9 -13.4 -0.3 |
| 54 | R0R1R2R3L0L1L2L3 | 11.4 -17.6 -11.912.7 -16.4 -8.514.0 -15.2 -5.115.2 -14.0 -1.7-11.2 -19.2 -9.2-12.1 -17.8 -5.8-12.9 -16.4 -2.4-13.8 -15.0 0.9 | 11.4 -17.6 -11.912.7 -16.4 -8.514.0 -15.2 -5.115.2 -14.0 -1.7-11.2 -19.2 -9.2-12.1 -17.8 -5.8-12.9 -16.4 -2.4-13.8 -15.0 0.9 | 11.4 -17.6 -11.912.7 -16.4 -8.514.0 -15.2 -5.115.2 -14.0 -1.7-11.2 -19.2 -9.2-12.1 -17.8 -5.8-12.9 -16.4 -2.4-13.8 -15.0 0.9 |
| 62 | R0R1R2R3L0L1L2L3 |  | 10.6 -13.8 -10.610.4 -13.8 -7.510.9 -12.3 -4.713.4 -8.6 -2.4-8.2 -14.3 -9.2-8.7 -12.9 -6.2-9.2 -11.5 -3.3-9.7 -10.1 -0.4 | 10.6 -13.8 -10.610.4 -13.8 -7.510.9 -12.3 -4.713.4 -8.6 -2.4-8.2 -14.3 -9.2-8.7 -12.9 -6.2-9.2 -11.5 -3.3-9.7 -10.1 -0.4 |
| 67 | R0R1R2R3L0L1L2L3 |  | 11.9 -15.9 -7.412.8 -14.0 -4.613.7 -12.1 -1.814.5 -10.3 1.112.7 -15.6 -8.3-13.6 -14.0 -5.4-14.5 -12.3 -2.4-15.4 -10.7 0.5 | 11.9 -15.9 -7.412.8 -14.0 -4.613.7 -12.1 -1.814.5 -10.3 1.112.7 -15.6 -8.3-13.6 -14.0 -5.4-14.5 -12.3 -2.4-15.4 -10.7 0.5 |
| 68 | R0R1R2R3L0L1L2L3 |  | 11.1 -15.3 -7.512.3 -14.1 -4.113.5 -12.9 -0.814.7 -11.7 2.5-11.4 -15.6 -6.3-12.4 -14.5 -3.0-13.5 -13.4 0.3-14.6 -12.3 3.7 | 11.1 -15.3 -7.512.3 -14.1 -4.113.5 -12.9 -0.814.7 -11.7 2.5-11.4 -15.6 -6.3-12.4 -14.5 -3.0-13.5 -13.4 0.3-14.6 -12.3 3.7 |
| 69 | R0R1R2R3L0L1L2L3 |  | 9.7 -16.1 -10.311.0 -15.0 -7.012.3 -14.0 -3.713.6 -12.9 -0.4-13.4 -14.2 -6.3-14.4 -12.7 -3.1-15.3 -11.2 0.1-16.3 -9.7 3.2 | 9.7 -16.1 -10.311.0 -15.0 -7.012.3 -14.0 -3.713.6 -12.9 -0.4-13.4 -14.2 -6.3-14.4 -12.7 -3.1-15.3 -11.2 0.1-16.3 -9.7 3.2 |
| 70 | R0R1R2R3L0L1L2L3 |  | 12.2 -16.0 -8.813.4 -14.5 -5.713.4 -14.5 -5.715.8 -11.7 0.5-11.4 -15.3 -7.3-12.5 -14.2 -3.9-13.7 -13.1 -0.5-14.8 -12.1 2.9 | 12.2 -16.0 -8.813.4 -14.5 -5.713.4 -14.5 -5.715.8 -11.7 0.5-11.4 -15.3 -7.3-12.5 -14.2 -3.9-13.7 -13.1 -0.5-14.8 -12.1 2.9 |