**Table 2. Sex and Group Differences in Cortical Regions by Frequency Band**

Estimated least-squared mean differences (FXS-Control) in log relative power per cortical region by frequency band denoted with 5% false discovery rate (FDR) statistical significance. FDR (5%) adjusted significant contrasts indicated with asterisks (\*, p < .05; \*\*, p < .001; \*\*\*, p < 1x10-5). See Appendix 2 for descriptions of nodes within each region.

|  |  |  | Frequency Bands | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L/R | Region | Sex | delta | theta | alpha1 | alpha2 | beta | gamma1 | gamma2 |
| Left | Central | F | .003 | .20 | -.06 | -.18 | -.18 | -.14 | -.25\* |
| M | .17 | .44\*\*\* | -.37\*\*\* | -.61\*\*\* | .02 | .39\*\*\* | .43\*\*\* |
| Frontal | F | .03 | .21\* | -.05 | -.17 | -.24\* | -.29\*\*\* | -.38\*\*\* |
| M | .06 | .29\*\*\* | -.30\*\*\* | -.48\*\*\* | -.04 | .28\*\*\* | .29\*\*\* |
| Lingula | F | .01 | .19 | -.11 | -.21\* | -.20 | -.13 | -.26\* |
| M | .12 | .38\*\*\* | -.36\*\*\* | -.58\*\*\* | -.06 | .36\*\*\* | .37\*\*\* |
| Occipital | F | .08 | .15 | -.18 | -.26\* | -.16 | -.02 | -.01 |
| M | .14 | .28\*\*\* | -.36\*\*\* | -.42\*\*\* | -.03 | .21\* | .10 |
| Parietal | F | .03 | .19 | -.10 | -.20 | -.19 | -.09 | -.18 |
| M | .19\* | .39\*\*\* | -.39\*\*\* | -.54\*\*\* | -.04 | .34\*\*\* | .31\*\*\* |
| Prefrontal | F | .05 | .18 | -.12 | -.21\* | -.31\*\*\* | -.33\*\*\* | -.39\*\*\* |
| M | .10 | .18 | -.34\*\*\* | -.46\*\*\* | -.12 | .15 | .14 |
| Temporal | F | .04 | .17\* | -.13 | -.22\*\* | -.15 | -.05 | -.06 |
| M | .09 | .28\*\*\* | -.39\*\*\* | -.49\*\*\* | .05 | .39\*\*\* | .38\*\*\* |
| Right | Central | F | .01 | .18 | -.09 | -.18 | -.16 | -.09 | -.26\* |
| M | .15 | .42\*\*\* | -.36\*\*\* | -.62\*\*\* | .01 | .42\*\*\* | .50\*\*\* |
| Frontal | F | .005 | .19 | -.05 | -.15 | -.24\* | -.25\*\* | -.36\*\*\* |
| M | .04 | .29\*\*\* | -.29\*\*\* | -.50\*\*\* | -.02 | .33\*\*\* | .39\*\*\* |
| Lingula | F | .01 | .19 | -.11 | -.22\* | -.19 | -.10 | -.24\* |
| M | .11 | .38\*\*\* | -.36\*\*\* | -.58\*\*\* | -.06 | .37\*\*\* | .38\*\*\* |
| Occipital | F | .09 | .14 | -.19 | -.25\* | -.16 | -.03 | -.04 |
| M | .14 | .28\*\*\* | -.36\*\*\* | -.43\*\*\* | -.03 | .23\* | .17 |
| Parietal | F | .06 | .17 | -.13 | -.19 | -.19 | -.08 | -.21\* |
| M | .19\* | .39\*\*\* | -.40\*\*\* | -.56\*\*\* | -.05 | .37\*\*\* | .38\*\*\* |
| Prefrontal | F | .06 | .16 | -.14 | -.22\* | -.32\*\*\* | -.32\*\*\* | -.38\*\*\* |
| M | .08 | .18 | -.31\*\*\* | -.45\*\*\* | -.09 | .20\* | .20\* |
| Temporal | F | .05 | .15 | -.15 | -.22\*\* | -.16 | -.08 | -.12 |
| M | .09 | .26\*\*\* | -.38\*\*\* | -.52\*\*\* | .02 | .37\*\*\* | .41\*\*\* |