|  |  |  |  |
| --- | --- | --- | --- |
|  | Baseline *PGC-1α* & Baseline HAM-D24 | Baseline *PGC-1α* & ΔHAM-D24 | Δ*PGC-1α* &  ΔHAM-D24 |
| Polarity |  |  |  |
| Unipolar (*n* = 54) | *ρ* = -0.01, *p* = 0.93 | *r =* -0.02, *p* = 0.89 | *ρ* = 0.11, *p* = 0.42 |
| Bipolar (*n* = 13) | *r* = -0.06, *p* = 0.84 | *r* = 0.61, *p* = 0.03 | *r* = -0.39, *p* = 0.18 |
| Psychosis |  |  |  |
| Yes (*n* = 16) | *r* = 0.14*, p* = 0.59 | *ρ* = 0.14, *p* = 0.61 | *ρ* = -0.12, *p* = 0.65 |
| No (*n* = 51) | *r* = 0.25, *p* = 0.08 | *r* = 0.02, *p* = 0.90 | *ρ* = 0.16, *p* = 0.28 |
| Polarity + Psychosis (Yes/No) |  |  |  |
| Unipolar + Yes (*n* = 13) | *ρ* = 0.24, *p* = 0.43 | *ρ* = -0.18, *p* = 0.57 | *ρ* = 0.19, *p* = 0.53 |
| Unipolar + No (*n* = 40) | *r* = 0.35, *p* = 0.03 | *r = -*0.28*, p =* 0.36 | *ρ* = 0.26, *p* = 0.10 |
| Laterality |  |  |  |
| Unilateral (*n* = 35) | *not assessed* | *not assessed* | *ρ* = -0.04, *p* = 0.81 |
| Bitemporal (*n* = 32) | *not assessed* | *not assessed* | *ρ =* 0.09, *p* = 0.61 |
| Response |  |  |  |
| Yes (*n* = 42) | *ρ* = 0.09, *p* = 0.55 | *ρ* = 0.02, *p* = 0.88 | *ρ* = -0.01, *p* = 0.98 |
| No (*n* = 25) | *r* = 0.30, *p* = 0.15 | *r* = 0.02, *p* = 0.92 | *ρ* = 0.16, *p* = 0.45 |
| Remission |  |  |  |
| Yes (*n* = 34) | *r* = 0.29, *p* = 0.10 | *r* = -0.16, *p* = 0.36 | *ρ* = 0.05, *p* = 0.76 |
| No (*n* = 33) | *ρ* = 0.07, *p* = 0.70 | *r* = 0.08, *p* = 0.67 | *ρ* = 0.05, *p* = 0.79 |

**Supplementary Table S2.** *Correlations between PGC-1α and HAM-D24 scores*

HAM-D24, Hamilton depression rating scale, 24-item version; *PGC-1α*, peroxisome proliferator-activated receptor-γ coactivator; ΔHAM-D24, change in Hamilton depression rating scale, 24-item version score; Δ*PGC-1α*, change in *PGC-1α* mRNA RQ levels.