

## **Additional File 2: Association of Improvements in Sleep and Medication with Changes in NeuroPsych and SPECT Variables**

Three categorical variables were examined:

- change in psych medications (Increased, No Change, or Reduction),
- sleep improvement at end of HBOT (Improved, or No Change),
- sleep improvement at 6 months (Improved, No Change, or Worse).

For each of these categorical variables, a table is produced, summarizing the **changes** in all neuropsych and Spect variables, for subjects at each level of that category, and for all subjects combined.

Data is summarized in the format:

Mean  $\pm$  Standard Deviation (# of Subjects)

Median (Minimum – Maximum)

p value for significance of change within the level

The **values** of variables that were measured at only one time point are also summarized, but the summary does not contain a within-level p value.

The right-most column of the table contains a p-value indicating whether there was a significant between-level difference in the mean changes (or mean values, for variables measured at only one time point).

Within-level p values in all three tables are obtained from the 1-group Student t test.

Between-level p values for **change in psych medications** table are obtained from the 1-way Analysis of Variance, and indicates whether there is any significant differences among the three levels.

Between-level p values for the **sleep improvement at end of HBOT** table are obtained from the unpaired equal-variance Student t test, and indicate whether there is a significant difference between Improved and No Change.

Between-level p values for the **sleep improvement at 6 months** table are also obtained from the unpaired equal-variance Student t test, even though there are three levels (Improved, No Change, or Worse). This is because the Worse level has only 1 subject, so an ANOVA cannot be performed. The p values indicate whether there is a significant difference between Improved and No Change.

Significant p values ( $p \leq 0.05$ ) are flagged in **red**; near-significant p values are flagged in **orange**. No Bonferroni or other adjustments for multiplicity are applied.

The SPECT variable measured was CV.

*Change in NeuroPsych and SPECT variables, by Change in Psych Medication*

Variable	Increased Meds	No Change	Reduction in Meds	All Subjects	p-val
Age	34.8 ± 4.5 (4) 33.5 (31 – 41)	29.5 ± 9.2 (8) 27.5 (22 – 51)	30.5 ± 7.7 (11) 27 (23 – 45)	30.4 ± 7.5 (29) 29 (21 – 51)	0.548
MoSvc	99 ± 20 (4) 102 (72 – 120)	66 ± 97 (8) 32 (9 – 300)	51 ± 51 (11) 42 (18 – 197)	72 ± 73 (29) 42 (9 – 300)	0.493
PriorTBI	1.25 ± 1.26 (4) 1 (0 – 3)	1.25 ± 1.04 (8) 1 (0 – 3)	0.45 ± 0.69 (11) 0 (0 – 2)	1.28 ± 2.14 (29) 1 (0 – 10)	0.144
Blasts	1.8 ± 1.0 (4) 1.5 (1 – 3)	9.5 ± 9.8 (8) 5.5 (1 – 25)	3.1 ± 3.9 (11) 1 (1 – 13)	4.5 ± 6.3 (29) 2 (1 – 25)	<b>0.075</b>
Delay	4.06 ± 0.63 (4) 4.17 (3.25 – 4.67)	3.48 ± 1.13 (8) 3.12 (2.25 – 5.83)	3.09 ± 1.39 (11) 2.92 (1.25 – 5.33)	3.35 ± 1.21 (29) 3.25 (1.25 – 5.83)	0.396
Tobacco	0.38 ± 0.75 (4) 0 (0 – 1.5)	0.25 ± 0.39 (8) 0 (0 – 1)	0.10 ± 0.20 (11) 0 (0 – 0.5)	0.27 ± 0.50 (29) 0 (0 – 2)	0.475
Educ	12.50 ± 1.00 (4) 12 (12 – 14)	13.19 ± 2.95 (8) 12 (10 – 19)	13.36 ± 1.52 (11) 13.5 (11 – 16)	13.02 ± 2.01 (29) 12 (9 – 19)	0.779
HBOTn	39.50 ± 1.00 (4) 40 (38 – 40)	40.00 ± 0.00 (8) 40 (40 – 40)	39.64 ± 0.67 (11) 40 (38 – 40)	39.72 ± 0.65 (29) 40 (38 – 40)	0.328
HBOTd	32.0 ± 8.0 (4) 28 (28 – 44)	30.5 ± 2.0 (8) 30 (29 – 35)	30.0 ± 2.3 (11) 30 (27 – 34)	30.9 ± 4.5 (29) 30 (23 – 44)	0.655
GreenIR	84.0 ± 17.7 (4) 90 (58 – 98)	95.5 ± 6.8 (8) 98 (80 – 100)	84.1 ± 13.3 (11) 88 (60 – 100)	89.2 ± 12.1 (29) 90 (58 – 100)	0.131
GreenDR	85.5 ± 11.9 (4) 90.5 (68 – 93)	92.6 ± 8.8 (8) 94 (75 – 100)	83.6 ± 13.8 (11) 90 (60 – 100)	88.6 ± 11.6 (29) 93 (60 – 100)	0.284
GreenCNS	84.0 ± 13.7 (4) 88 (65 – 95)	92.3 ± 9.1 (8) 95 (75 – 100)	78.8 ± 16.1 (11) 83 (55 – 100)	85.6 ± 13.8 (29) 88 (55 – 100)	0.134
GreenMC	71.3 ± 17.0 (4) 75 (50 – 85)	87.5 ± 16.7 (8) 90 (50 – 100)	67.9 ± 17.0 (11) 62 (40 – 95)	77.5 ± 18.1 (29) 85 (40 – 100)	<b>0.060</b>
GreenFR	36.5 ± 25.1 (4) 32.5 (13 – 68)	52.0 ± 22.6 (8) 42.5 (33 – 100)	51.5 ± 20.2 (11) 48 (25 – 95)	51.9 ± 21.9 (29) 48 (13 – 100)	0.461
AMI	4.0 ± 6.2 (4) 6 (-5 – 9) p = 0.289	-3.1 ± 13.0 (7) -2 (-26 – 10) p = 0.545	2.9 ± 12.6 (10) -1 (-16 – 22) p = 0.486	2.8 ± 11.9 (24) 5.5 (-26 – 22) p = 0.264	0.521
VMI	3.8 ± 5.3 (4) 5 (-3 – 8) p = 0.253	1.9 ± 20.3 (7) 1 (-30 – 30) p = 0.817	3.4 ± 9.6 (10) 3 (-12 – 21) p = 0.293	3.9 ± 13.8 (24) 3 (-30 – 30) p = 0.177	0.966
VWMI	6.3 ± 8.5 (4) 7 (-4 – 15) p = 0.236	1.3 ± 9.6 (7) 4 (-18 – 12) p = 0.736	7.4 ± 8.9 (10) 11 (-7 – 16) <b>p = 0.027</b>	6.8 ± 10.0 (24) 7.5 (-18 – 25) <b>p = 0.003</b>	0.397

<b>DMI</b>	6.3 ± 6.1 (4) 6 (-1 – 14) p = 0.134	1.7 ± 15.4 (7) 2 (-21 – 26) p = 0.778	5.6 ± 12.1 (10) 4 (-16 – 21) p = 0.177	5.7 ± 12.0 (24) 5.5 (-21 – 26) <b>p = 0.029</b>	0.783
<b>IQ</b>	15.0 ± 5.5 (4) 15 (9 – 21) <b>p = 0.012</b>	7.6 ± 10.0 (8) 10 (-9 – 21) <b>p = 0.067</b>	16.6 ± 11.2 (11) 16 (3 – 47) <b>p &lt; 0.001</b>	14.2 ± 10.3 (29) 15 (-9 – 47) <b>p &lt; 0.001</b>	0.172
<b>DelWMS</b>	17.8 ± 2.5 (4) 17.5 (15 – 21) <b>p &lt; 0.001</b>	13.8 ± 13.1 (8) 16 (-6 – 30) <b>p = 0.021</b>	15.5 ± 15.0 (11) 16 (-4 – 38) <b>p = 0.006</b>	15.2 ± 13.9 (29) 17 (-19 – 38) <b>p &lt; 0.001</b>	0.882
<b>WrkWMS</b>	11.0 ± 6.9 (4) 8.5 (6 – 21) <b>p = 0.049</b>	9.4 ± 13.4 (8) 10 (-15 – 32) <b>p = 0.089</b>	12.2 ± 9.1 (11) 11 (0 – 27) <b>p = 0.001</b>	11.3 ± 10.5 (29) 10 (-15 – 32) <b>p &lt; 0.001</b>	0.850
<b>Stroop</b>	11.8 ± 11.6 (4) 12.5 (-3 – 25) p = 0.137	6.5 ± 13.9 (8) 3.5 (-10 – 29) p = 0.227	10.5 ± 13.4 (11) 2 (-2 – 39) <b>p = 0.026</b>	10.9 ± 12.2 (29) 10 (-10 – 39) <b>p &lt; 0.001</b>	0.750
<b>TOVAVar</b>	7.5 ± 9.6 (4) 5 (0 – 20) p = 0.215	-2.6 ± 37.5 (8) -1.5 (-70 – 45) p = 0.849	13.3 ± 23.2 (11) 1 (-30 – 48) <b>p = 0.086</b>	8.6 ± 25.3 (29) 8 (-70 – 48) <b>p = 0.078</b>	0.482
<b>QOL</b>	29 ± 39 (4) 18 (-3 – 82) p = 0.238	19 ± 17 (8) 23 (-12 – 40) <b>p = 0.018</b>	34 ± 39 (11) 27 (-37 – 78) <b>p = 0.016</b>	28 ± 32 (29) 24 (-37 – 96) <b>p &lt; 0.001</b>	0.618
<b>PHQ9Dep</b>	-7.5 ± 7.9 (4) -5 (-19 – -1) p = 0.155	-5.5 ± 2.7 (8) -5 (-9 – -2) <b>p &lt; 0.001</b>	-10.4 ± 8.5 (11) -14 (-21 – 5) <b>p = 0.002</b>	-7.9 ± 6.8 (29) -7 (-21 – 5) <b>p &lt; 0.001</b>	0.335
<b>GAD7Anx</b>	-4.5 ± 4.4 (4) -4 (-10 – 0) p = 0.135	-4.8 ± 5.0 (8) -3.5 (-13 – 1) <b>p = 0.031</b>	-7.6 ± 7.8 (11) -12 (-14 – 4) <b>p = 0.009</b>	-5.4 ± 5.9 (29) -5 (-14 – 4) <b>p &lt; 0.001</b>	0.556
<b>CogPBN</b>	12.5 ± 15.5 (4) 12.5 (-5 – 30) p = 0.206	15.0 ± 20.7 (8) 12.5 (-10 – 50) <b>p = 0.080</b>	23.0 ± 15.6 (11) 15 (5 – 50) <b>p &lt; 0.001</b>	20.4 ± 17.4 (29) 15 (-10 – 50) <b>p &lt; 0.001</b>	0.483
<b>PhysPBN</b>	16.3 ± 18.0 (4) 22.5 (-10 – 30) p = 0.168	18.8 ± 15.3 (8) 20 (0 – 50) <b>p = 0.010</b>	22.7 ± 16.9 (11) 20 (0 – 55) <b>p = 0.001</b>	20.7 ± 16.2 (29) 20 (-10 – 55) <b>p &lt; 0.001</b>	0.763
<b>EmoPBN</b>	26.3 ± 14.9 (4) 25 (10 – 45) <b>p = 0.039</b>	21.6 ± 8.4 (8) 25 (8 – 30) <b>p &lt; 0.001</b>	37.1 ± 16.7 (11) 30 (10 – 60) <b>p &lt; 0.001</b>	31.1 ± 18.9 (29) 30 (5 – 80) <b>p &lt; 0.001</b>	<b>0.075</b>
<b>Inatt</b>	15.3 ± 30.5 (4) 0 (0 – 61) p = 0.391	0.9 ± 42.9 (8) 0 (-62 – 60) p = 0.956	10.2 ± 13.5 (11) 8 (-7 – 39) <b>p = 0.031</b>	8.0 ± 27.8 (29) 0 (-62 – 61) p = 0.134	0.687
<b>Impls</b>	21.5 ± 32.1 (4) 22 (-18 – 60) p = 0.273	15.5 ± 22.1 (8) 14.5 (-25 – 54) <b>p = 0.088</b>	5.5 ± 14.2 (11) 4 (-14 – 30) p = 0.233	11.9 ± 20.2 (29) 8 (-25 – 60) <b>p = 0.004</b>	0.357
<b>RxTm</b>	2.3 ± 12.9 (4) 4.5 (-14 – 14) p = 0.750	-8.0 ± 16.5 (8) -4 (-32 – 17) p = 0.213	3.6 ± 17.4 (11) 8 (-20 – 29) p = 0.505	3.5 ± 18.2 (29) 5 (-32 – 43) p = 0.312	0.314

TapD	4.8 ± 6.2 (4) 3 (0 – 13) p = 0.222	4.8 ± 7.5 (8) 6 (-11 – 13) p = 0.115	5.3 ± 12.5 (11) 5 (-19 – 24) p = 0.193	6.4 ± 16.0 (29) 5 (-20 – 68) <b>p = 0.040</b>	0.992
TapND	3.3 ± 10.5 (4) 6.5 (-12 – 12) p = 0.580	-0.1 ± 11.3 (8) 2 (-18 – 18) p = 0.976	5.0 ± 10.5 (11) 1 (-7 – 30) p = 0.147	4.5 ± 14.7 (29) 1 (-18 – 57) p = 0.111	0.600
PegD	13.3 ± 11.0 (4) 14 (0 – 25) <b>p = 0.096</b>	3.4 ± 14.5 (8) 1 (-14 – 33) p = 0.532	14.1 ± 13.9 (11) 13 (-10 – 33) <b>p = 0.007</b>	11.2 ± 13.9 (29) 9 (-14 – 33) <b>p &lt; 0.001</b>	0.242
PegND	2.3 ± 3.3 (4) 1 (0 – 7) p = 0.266	-4.5 ± 14.1 (8) -3 (-30 – 13) p = 0.396	11.0 ± 13.9 (11) 6 (-7 – 36) <b>p = 0.025</b>	4.2 ± 13.6 (29) 3 (-30 – 36) p = 0.105	<b>0.054</b>
Parag	-2.3 ± 8.5 (4) -0.5 (-14 – 6) p = 0.633	-1.3 ± 2.8 (8) -0.5 (-5 – 2) p = 0.242	-1.0 ± 5.1 (11) -2 (-11 – 8) p = 0.532	-0.9 ± 4.6 (29) -1 (-14 – 8) p = 0.324	0.917
RPCSQ	-12.3 ± 6.5 (4) -14 (-18 – -3) <b>p = 0.033</b>	-10.6 ± 6.5 (8) -10.5 (-20 – 1) <b>p = 0.003</b>	-14.5 ± 13.4 (11) -14 (-38 – 12) <b>p = 0.005</b>	-13.5 ± 10.4 (29) -13 (-38 – 12) <b>p &lt; 0.001</b>	0.736
PCLM	-15.0 ± 12.0 (4) -14.5 (-30 – -1) <b>p = 0.088</b>	-9.8 ± 9.5 (8) -9 (-27 – 2) <b>p = 0.023</b>	-19.7 ± 20.9 (11) -23 (-54 – 10) <b>p = 0.011</b>	-16.6 ± 16.2 (29) -16 (-54 – 10) <b>p &lt; 0.001</b>	0.442
LG030	0.00 ± 2.17 (4) 0.46 (-3.03 – 2.11) p = 0.997	-0.14 ± 2.02 (8) 0.22 (-3.96 – 2.5) p = 0.856	-0.55 ± 1.11 (11) -0.68 (-2 – 1.86) p = 0.135	-0.39 ± 1.59 (29) -0.14 (-3.96 – 2.5) p = 0.198	0.799
LG060	-0.98 ± 1.11 (4) -1.36 (-1.85 – 0.64) p = 0.175	0.10 ± 1.48 (8) 0.36 (-2.29 – 2.27) p = 0.856	-1.10 ± 1.11 (11) -1.19 (-2.7 – 0.44) <b>p = 0.008</b>	-0.69 ± 1.23 (29) -0.86 (-2.7 – 2.27) <b>p = 0.005</b>	0.127
LG090	-0.26 ± 0.39 (4) -0.38 (-0.57 – 0.31) p = 0.276	0.51 ± 2.65 (8) 0.96 (-3.71 – 3.66) p = 0.603	-0.41 ± 1.39 (11) 0 (-2.74 – 1.38) p = 0.355	-0.09 ± 1.75 (29) 0 (-3.71 – 3.66) p = 0.779	0.563
LG120	-1.63 ± 0.63 (4) -1.58 (-2.43 – -0.91) <b>p = 0.014</b>	0.84 ± 1.51 (8) 0.7 (-0.99 – 3.46) p = 0.157	-0.77 ± 2.38 (11) -1.43 (-3.33 – 2.7) p = 0.311	-0.27 ± 2.12 (29) -0.8 (-3.33 – 4.54) p = 0.491	<b>0.093</b>
LG150	-2.12 ± 2.30 (4) -2.68 (-3.96 – 0.84) p = 0.162	0.03 ± 2.16 (8) 0.32 (-3.34 – 3.08) p = 0.969	0.02 ± 1.73 (11) 0.47 (-2.85 – 2.1) p = 0.964	-0.47 ± 2.21 (29) 0.19 (-4.6 – 3.55) p = 0.265	0.169
LGAll	-1.00 ± 0.89 (4) -0.74 (-2.27 – -0.24) p = 0.111	0.27 ± 0.93 (8) 0.31 (-1.04 – 1.66) p = 0.440	-0.56 ± 0.86 (11) -0.61 (-1.77 – 0.73) <b>p = 0.057</b>	-0.38 ± 0.95 (29) -0.57 (-2.27 – 1.66) <b>p = 0.039</b>	<b>0.058</b>

LW060	0.08 ± 1.44 (4) 0.37 (-1.89 – 1.48) p = 0.916	-1.87 ± 3.39 (8) -1 (-7.97 – 2.99) p = 0.163	-0.22 ± 2.79 (11) -0.7 (-4.22 – 4.85) p = 0.800	-0.54 ± 2.75 (29) -0.7 (-7.97 – 4.85) p = 0.303	0.399
LW120	-1.68 ± 2.25 (4) -1.28 (-4.45 – 0.31) p = 0.233	-1.66 ± 1.53 (8) -2.12 (-3.09 – 1.67) <b>p = 0.018</b>	-0.89 ± 3.22 (11) -0.43 (-6.12 – 3.81) p = 0.383	-1.06 ± 2.74 (29) -0.87 (-6.12 – 4.88) <b>p = 0.046</b>	0.775
LWAll	-0.80 ± 0.80 (4) -0.66 (-1.88 – 0.02) p = 0.140	-1.76 ± 2.03 (8) -1.59 (-5.26 – 0.82) <b>p = 0.044</b>	-0.55 ± 2.61 (11) -0.01 (-4.62 – 3.11) p = 0.498	-0.80 ± 2.23 (29) -0.79 (-5.26 – 3.11) <b>p = 0.064</b>	0.503
RG030	-0.38 ± 2.41 (4) 0.3 (-3.84 – 1.74) p = 0.775	0.12 ± 1.16 (8) 0.1 (-1.6 – 1.81) p = 0.770	-0.75 ± 1.64 (11) -1.28 (-2.32 – 3.19) p = 0.160	-0.28 ± 1.52 (29) -0.57 (-3.84 – 3.19) p = 0.333	0.528
RG060	0.59 ± 2.54 (4) 0.66 (-2.37 – 3.38) p = 0.675	0.06 ± 0.79 (8) -0.08 (-1.27 – 1.4) p = 0.827	-0.79 ± 1.01 (11) -1.05 (-1.97 – 1.49) <b>p = 0.026</b>	-0.40 ± 1.33 (29) -0.51 (-2.7 – 3.38) p = 0.114	0.159
RG090	1.00 ± 1.64 (4) 0.49 (-0.32 – 3.35) p = 0.308	0.10 ± 1.14 (8) -0.23 (-0.86 – 2.37) p = 0.807	-0.38 ± 1.40 (11) 0.02 (-3.53 – 1.24) p = 0.386	0.08 ± 1.32 (29) 0.04 (-3.53 – 3.35) p = 0.736	0.236
RG120	0.02 ± 0.61 (4) 0.1 (-0.75 – 0.61) p = 0.960	0.28 ± 1.72 (8) -0.13 (-2.29 – 2.58) p = 0.662	0.09 ± 2.11 (11) 0.05 (-4.63 – 2.75) p = 0.890	-0.06 ± 1.80 (29) 0.05 (-4.63 – 2.75) p = 0.851	0.964
RG150	-0.18 ± 1.76 (4) -0.29 (-1.96 – 1.82) p = 0.852	-0.71 ± 1.64 (8) -0.45 (-2.84 – 1.97) p = 0.260	-0.10 ± 1.37 (11) -0.64 (-2.24 – 1.61) p = 0.820	-0.32 ± 1.35 (29) -0.46 (-2.84 – 1.97) p = 0.217	0.679
RGAll	0.21 ± 0.70 (4) 0.25 (-0.58 – 0.91) p = 0.588	-0.03 ± 0.59 (8) 0.26 (-1.25 – 0.41) p = 0.896	-0.39 ± 0.55 (11) -0.42 (-0.97 – 0.62) <b>p = 0.041</b>	-0.20 ± 0.59 (29) -0.3 (-1.25 – 0.91) <b>p = 0.087</b>	0.190
RW060	0.09 ± 1.93 (4) -0.06 (-2.02 – 2.5) p = 0.932	-1.61 ± 2.83 (8) -1.01 (-6.92 – 3.01) p = 0.151	-1.46 ± 3.79 (11) -1.71 (-6.58 – 5.58) p = 0.229	-1.19 ± 2.92 (29) -1.25 (-6.92 – 5.58) <b>p = 0.037</b>	0.666
RW120	0.99 ± 4.10 (4) 1.63 (-4.34 – 5.06) p = 0.661	-0.07 ± 3.23 (8) 0.22 (-3.97 – 5.55) p = 0.950	-0.83 ± 2.38 (11) 0.76 (-4.6 – 1.33) p = 0.274	-0.42 ± 2.73 (29) 0.1 (-4.6 – 5.55) p = 0.413	0.578
RWAll	0.54 ± 2.99 (4) 0.78 (-3.18 – 3.78) p = 0.741	-0.84 ± 2.69 (8) -0.95 (-4.59 – 4.28) p = 0.404	-1.15 ± 2.24 (11) -1.12 (-4.07 – 3.4) p = 0.120	-0.80 ± 2.30 (29) -1.03 (-4.59 – 4.28) <b>p = 0.070</b>	0.526

*Change in NeuroPsych and SPECT var's, by Post-HBOT Sleep Improvement*

Variable	Improved Sleep	No Change	Total	P-val
Age	32.9 ± 8.7 (16) 31.5 (23 – 51)	26.5 ± 3.4 (6) 26 (22 – 31)	30.4 ± 7.5 (29) 29 (21 – 51)	<b>0.099</b>
MoSvc	90 ± 89 (16) 51 (18 – 300)	40 ± 41 (6) 28 (9 – 120)	72 ± 73 (29) 42 (9 – 300)	0.202
PriorTBI	0.94 ± 1.53 (16) 0.5 (0 – 6)	1.17 ± 1.17 (6) 1 (0 – 3)	1.28 ± 2.14 (29) 1 (0 – 10)	0.744
Blasts	3.2 ± 5.6 (16) 1 (1 – 23)	8.2 ± 9.5 (6) 4.5 (1 – 25)	4.5 ± 6.3 (29) 2 (1 – 25)	0.139
Delay	3.25 ± 1.51 (16) 3.08 (1.25 – 5.83)	3.21 ± 0.70 (6) 3.08 (2.25 – 4.17)	3.35 ± 1.21 (29) 3.25 (1.25 – 5.83)	0.949
Tobacco	0.21 ± 0.41 (16) 0 (0 – 1.5)	0.17 ± 0.28 (6) 0 (0 – 0.67)	0.27 ± 0.50 (29) 0 (0 – 2)	0.825
Educ	13.50 ± 2.01 (16) 13.25 (11 – 19)	11.75 ± 1.17 (6) 12 (10 – 13.5)	13.02 ± 2.01 (29) 12 (9 – 19)	<b>0.060</b>
HBOTn	39.81 ± 0.54 (16) 40 (38 – 40)	39.67 ± 0.82 (6) 40 (38 – 40)	39.72 ± 0.65 (29) 40 (38 – 40)	0.630
HBOTd	30.1 ± 4.3 (16) 29.5 (23 – 44)	30.0 ± 2.7 (6) 29 (28 – 35)	30.9 ± 4.5 (29) 30 (23 – 44)	0.948
GreenIR	86.8 ± 12.2 (16) 89 (60 – 100)	91.5 ± 7.3 (6) 91.5 (80 – 100)	89.2 ± 12.1 (29) 90 (58 – 100)	0.384
GreenDR	87.6 ± 13.2 (16) 93 (60 – 100)	87.3 ± 8.6 (6) 86.5 (75 – 100)	88.6 ± 11.6 (29) 93 (60 – 100)	0.961
GreenCNS	82.4 ± 15.3 (16) 85 (55 – 100)	87.7 ± 9.8 (6) 88 (75 – 100)	85.6 ± 13.8 (29) 88 (55 – 100)	0.443
GreenMC	74.8 ± 18.1 (16) 72.5 (40 – 100)	77.5 ± 18.9 (6) 82.5 (50 – 100)	77.5 ± 18.1 (29) 85 (40 – 100)	0.762
GreenFR	57.1 ± 20.8 (16) 58 (25 – 100)	44.3 ± 9.8 (6) 45 (33 – 60)	51.9 ± 21.9 (29) 48 (13 – 100)	0.169
AMI	4.9 ± 12.1 (13) 6 (-16 – 22) p = 0.169	-3.8 ± 14.7 (5) -1 (-26 – 9) p = 0.595	2.8 ± 11.9 (24) 5.5 (-26 – 22) p = 0.264	0.214
VMI	5.1 ± 15.9 (13) 4 (-30 – 30) p = 0.272	-3.8 ± 4.6 (5) -3 (-11 – 1) p = 0.139	3.9 ± 13.8 (24) 3 (-30 – 30) p = 0.177	0.245
VWMI	8.6 ± 12.5 (13) 12 (-18 – 25) <b>p = 0.029</b>	2.8 ± 3.6 (5) 3 (-3 – 7) p = 0.160	6.8 ± 10.0 (24) 7.5 (-18 – 25) <b>p = 0.003</b>	0.330

<b>DMI</b>	7.5 ± 13.5 (13) 13 (-16 – 26) <b>p = 0.069</b>	-1.8 ± 10.9 (5) 2 (-21 – 6) p = 0.730	5.7 ± 12.0 (24) 5.5 (-21 – 26) <b>p = 0.029</b>	0.191
<b>IQ</b>	14.5 ± 13.0 (16) 15.5 (-9 – 47) <b>p &lt; 0.001</b>	12.2 ± 6.4 (6) 13 (2 – 21) <b>p = 0.005</b>	14.2 ± 10.3 (29) 15 (-9 – 47) <b>p &lt; 0.001</b>	0.681
<b>DeIWMS</b>	16.3 ± 14.0 (16) 20.5 (-4 – 36) <b>p &lt; 0.001</b>	11.2 ± 8.7 (6) 14 (-6 – 18) <b>p = 0.025</b>	15.2 ± 13.9 (29) 17 (-19 – 38) <b>p &lt; 0.001</b>	0.420
<b>WrkWMS</b>	10.8 ± 12.3 (16) 10 (-15 – 29) <b>p = 0.003</b>	12.2 ± 11.3 (6) 9 (0 – 32) <b>p = 0.046</b>	11.3 ± 10.5 (29) 10 (-15 – 32) <b>p &lt; 0.001</b>	0.817
<b>Stroop</b>	11.1 ± 14.2 (16) 12 (-10 – 39) <b>p = 0.007</b>	10.7 ± 12.8 (6) 8.5 (-3 – 29) <b>p = 0.096</b>	10.9 ± 12.2 (29) 10 (-10 – 39) <b>p &lt; 0.001</b>	0.953
<b>TOVAVar</b>	12.4 ± 20.7 (16) 5.5 (-30 – 48) <b>p = 0.030</b>	2.3 ± 40.1 (6) 6 (-70 – 45) p = 0.892	8.6 ± 25.3 (29) 8 (-70 – 48) <b>p = 0.078</b>	0.445
<b>QOL</b>	34 ± 36 (16) 26 (-37 – 96) <b>p = 0.002</b>	18 ± 20 (6) 20 (-12 – 40) <b>p = 0.077</b>	28 ± 32 (29) 24 (-37 – 96) <b>p &lt; 0.001</b>	0.318
<b>PHQ9Dep</b>	-9.7 ± 7.0 (16) -11.5 (-21 – 5) <b>p &lt; 0.001</b>	-8.2 ± 6.1 (6) -8 (-19 – -2) <b>p = 0.022</b>	-7.9 ± 6.8 (29) -7 (-21 – 5) <b>p &lt; 0.001</b>	0.645
<b>GAD7Anx</b>	-6.9 ± 6.2 (16) -7 (-14 – 2) <b>p &lt; 0.001</b>	-3.5 ± 5.2 (6) -3.5 (-10 – 3) p = 0.163	-5.4 ± 5.9 (29) -5 (-14 – 4) <b>p &lt; 0.001</b>	0.245
<b>CogPBN</b>	23.9 ± 14.9 (16) 22.5 (5 – 50) <b>p &lt; 0.001</b>	12.5 ± 19.7 (6) 7.5 (-5 – 50) p = 0.181	20.4 ± 17.4 (29) 15 (-10 – 50) <b>p &lt; 0.001</b>	0.156
<b>PhysPBN</b>	20.3 ± 18.6 (16) 20 (-10 – 55) <b>p &lt; 0.001</b>	24.2 ± 13.6 (6) 20 (10 – 50) <b>p = 0.007</b>	20.7 ± 16.2 (29) 20 (-10 – 55) <b>p &lt; 0.001</b>	0.650
<b>EmoPBN</b>	29.8 ± 18.4 (16) 30 (5 – 60) <b>p &lt; 0.001</b>	29.2 ± 13.9 (6) 27.5 (10 – 45) <b>p = 0.004</b>	31.1 ± 18.9 (29) 30 (5 – 80) <b>p &lt; 0.001</b>	0.945
<b>Inatt</b>	14.7 ± 22.2 (16) 10.5 (-15 – 61) <b>p = 0.018</b>	1.2 ± 35.0 (6) 0 (-48 – 60) p = 0.938	8.0 ± 27.8 (29) 0 (-62 – 61) p = 0.134	0.290
<b>Impls</b>	8.3 ± 22.6 (16) 2.5 (-25 – 60) p = 0.162	21.8 ± 17.3 (6) 17 (8 – 54) <b>p = 0.027</b>	11.9 ± 20.2 (29) 8 (-25 – 60) <b>p = 0.004</b>	0.202
<b>RxTm</b>	5.8 ± 15.8 (16) 8 (-20 – 35) p = 0.161	-3.7 ± 21.5 (6) -3.5 (-32 – 23) p = 0.694	3.5 ± 18.2 (29) 5 (-32 – 43) p = 0.312	0.268

TapD	9.3 ± 20.5 (16) 6 (-20 – 68) <b>p = 0.090</b>	8.2 ± 3.2 (6) 7 (5 – 13) <b>p = 0.002</b>	6.4 ± 16.0 (29) 5 (-20 – 68) <b>p = 0.040</b>	0.895
TapND	9.6 ± 15.9 (16) 4.5 (-5 – 57) <b>p = 0.029</b>	1.0 ± 12.2 (6) 3 (-18 – 18) p = 0.849	4.5 ± 14.7 (29) 1 (-18 – 57) p = 0.111	0.249
PegD	13.3 ± 13.8 (16) 11.5 (-7 – 33) <b>p = 0.002</b>	5.8 ± 17.8 (6) 3.5 (-14 – 33) p = 0.459	11.2 ± 13.9 (29) 9 (-14 – 33) <b>p &lt; 0.001</b>	0.311
PegND	4.8 ± 11.6 (16) 2.5 (-7 – 36) p = 0.124	-3.5 ± 18.7 (6) -3 (-30 – 20) p = 0.666	4.2 ± 13.6 (29) 3 (-30 – 36) p = 0.105	0.225
Parag	0.2 ± 4.7 (16) 0 (-11 – 8) p = 0.876	-4.5 ± 5.1 (6) -4 (-14 – 0) <b>p = 0.084</b>	-0.9 ± 4.6 (29) -1 (-14 – 8) p = 0.324	<b>0.056</b>
RPCSQ	-15.1 ± 12.9 (16) -15 (-38 – 12) <b>p &lt; 0.001</b>	-11.2 ± 3.7 (6) -11.5 (-15 – -6) <b>p &lt; 0.001</b>	-13.5 ± 10.4 (29) -13 (-38 – 12) <b>p &lt; 0.001</b>	0.474
PCLM	-18.0 ± 18.3 (16) -21 (-54 – 10) <b>p = 0.001</b>	-12.2 ± 4.4 (6) -12.5 (-17 – -7) <b>p = 0.001</b>	-16.6 ± 16.2 (29) -16 (-54 – 10) <b>p &lt; 0.001</b>	0.456
LG030 (CV)	-0.46 ± 1.38 (16) -0.53 (-3.79 – 1.86) p = 0.198	-0.05 ± 2.46 (6) 0.4 (-3.96 – 2.5) p = 0.961	-0.39 ± 1.59 (29) -0.14 (-3.96 – 2.5) p = 0.198	0.620
LG060	-0.67 ± 1.31 (16) -0.71 (-2.7 – 2.27) <b>p = 0.057</b>	-0.33 ± 1.12 (6) -0.66 (-1.4 – 1.14) p = 0.503	-0.69 ± 1.23 (29) -0.86 (-2.7 – 2.27) <b>p = 0.005</b>	0.579
LG090	-0.46 ± 1.54 (16) -0.13 (-3.71 – 1.78) p = 0.249	0.34 ± 2.44 (6) 0.8 (-2.74 – 2.98) p = 0.745	-0.09 ± 1.75 (29) 0 (-3.71 – 3.66) p = 0.779	0.364
LG120	-0.52 ± 1.94 (16) -0.65 (-3.07 – 2.7) p = 0.304	0.17 ± 1.97 (6) -0.1 (-2.22 – 3.46) p = 0.839	-0.27 ± 2.12 (29) -0.8 (-3.33 – 4.54) p = 0.491	0.469
LG150	-0.35 ± 2.33 (16) 0.45 (-4.6 – 3.55) p = 0.557	-0.18 ± 2.33 (6) -0.48 (-3.34 – 3.08) p = 0.854	-0.47 ± 2.21 (29) 0.19 (-4.6 – 3.55) p = 0.265	0.884
LGAI	-0.49 ± 0.76 (16) -0.61 (-1.93 – 0.73) <b>p = 0.020</b>	-0.01 ± 1.12 (6) 0.1 (-1.56 – 1.66) p = 0.983	-0.38 ± 0.95 (29) -0.57 (-2.27 – 1.66) <b>p = 0.039</b>	0.257
LW060	0.40 ± 2.24 (16) 0.37 (-3.52 – 4.85) p = 0.490	-2.26 ± 3.27 (6) -1 (-7.97 – 0.69) p = 0.151	-0.54 ± 2.75 (29) -0.7 (-7.97 – 4.85) p = 0.303	<b>0.041</b>
LW120	-0.98 ± 2.96 (16) -1.21 (-6.12 – 4.88) p = 0.204	-1.50 ± 2.29 (6) -2.14 (-4.45 – 1.67) p = 0.170	-1.06 ± 2.74 (29) -0.87 (-6.12 – 4.88) <b>p = 0.046</b>	0.706



<b>LWAI1</b>	-0.29 ± 2.22 (16) 0.11 (-4.62 – 3.11) p = 0.605	-1.88 ± 1.95 (6) -1.73 (-5.26 – 0.82) <b>p = 0.064</b>	-0.80 ± 2.23 (29) -0.79 (-5.26 – 3.11) <b>p = 0.064</b>	0.141
<b>RG030</b>	-0.39 ± 1.48 (16) -0.84 (-2.32 – 3.19) p = 0.302	0.23 ± 1.36 (6) 0.1 (-1.6 – 1.81) p = 0.697	-0.28 ± 1.52 (29) -0.57 (-3.84 – 3.19) p = 0.333	0.380
<b>RG060</b>	-0.66 ± 1.14 (16) -0.59 (-2.7 – 1.84) <b>p = 0.036</b>	0.43 ± 1.74 (6) -0.11 (-1.62 – 3.38) p = 0.573	-0.40 ± 1.33 (29) -0.51 (-2.7 – 3.38) p = 0.114	0.101
<b>RG090</b>	-0.43 ± 1.15 (16) -0.14 (-3.53 – 1.24) p = 0.158	0.64 ± 1.09 (6) 0.47 (-0.37 – 2.37) p = 0.212	0.08 ± 1.32 (29) 0.04 (-3.53 – 3.35) p = 0.736	<b>0.064</b>
<b>RG120</b>	-0.28 ± 1.72 (16) -0.17 (-4.63 – 2.75) p = 0.521	0.88 ± 1.49 (6) 0.89 (-1.13 – 2.58) p = 0.209	-0.06 ± 1.80 (29) 0.05 (-4.63 – 2.75) p = 0.851	0.161
<b>RG150</b>	0.19 ± 1.11 (16) 0.13 (-1.76 – 1.82) p = 0.504	-1.57 ± 1.04 (6) -1.77 (-2.84 – -0.37) <b>p = 0.014</b>	-0.32 ± 1.35 (29) -0.46 (-2.84 – 1.97) p = 0.217	<b>0.003</b>
<b>RGAI1</b>	-0.31 ± 0.58 (16) -0.43 (-1 – 0.91) <b>p = 0.047</b>	0.12 ± 0.59 (6) 0.38 (-0.95 – 0.66) p = 0.641	-0.20 ± 0.59 (29) -0.3 (-1.25 – 0.91) <b>p = 0.087</b>	0.136
<b>RW060</b>	-1.72 ± 3.05 (16) -1.9 (-6.58 – 5.58) <b>p = 0.039</b>	-0.29 ± 3.85 (6) 0.92 (-6.92 – 3.01) p = 0.862	-1.19 ± 2.92 (29) -1.25 (-6.92 – 5.58) <b>p = 0.037</b>	0.370
<b>RW120</b>	-0.22 ± 2.07 (16) 0.76 (-4.25 – 3.15) p = 0.683	-0.67 ± 4.70 (6) -3.04 (-4.6 – 5.55) p = 0.740	-0.42 ± 2.73 (29) 0.1 (-4.6 – 5.55) p = 0.413	0.750
<b>RWAI1</b>	-0.97 ± 2.03 (16) -1.25 (-4.07 – 3.4) <b>p = 0.076</b>	-0.48 ± 3.68 (6) -1.68 (-4.59 – 4.28) p = 0.762	-0.80 ± 2.30 (29) -1.03 (-4.59 – 4.28) <b>p = 0.070</b>	0.692

*Change in NeuroPsych and SPECT var's, by 6-month Sleep Improvement*

Variable	Improved Sleep	No Change	Worse Sleep	Total	P-val
Age	31.6 ± 8.2 (18) 29.5 (22 – 51)	25.3 ± 1.2 (3) 26 (24 – 26)	41.0 ± 0.0 (1) 41 (41 – 41)	30.4 ± 7.5 (29) 29 (21 – 51)	0.217
MoSvc	83 ± 87 (18) 44 (12 – 300)	29 ± 18 (3) 35 (9 – 44)	100 ± 0 (1) 100 (100 – 100)	72 ± 73 (29) 42 (9 – 300)	0.307
PriorTBI	1.00 ± 1.53 (18) 0.5 (0 – 6)	1.00 ± 1.00 (3) 1 (0 – 2)	1.00 ± 0.00 (1) 1 (1 – 1)	1.28 ± 2.14 (29) 1 (0 – 10)	1.000
Blasts	3.7 ± 5.7 (18) 1 (1 – 23)	11.0 ± 12.5 (3) 7 (1 – 25)	1.0 ± 0.0 (1) 1 (1 – 1)	4.5 ± 6.3 (29) 2 (1 – 25)	<b>0.098</b>
Delay	3.22 ± 1.42 (18) 3.04 (1.25 – 5.83)	3.11 ± 0.97 (3) 2.92 (2.25 – 4.17)	3.92 ± 0.00 (1) 3.92 (3.92 – 3.92)	3.35 ± 1.21 (29) 3.25 (1.25 – 5.83)	0.899
Tobacco	0.12 ± 0.22 (18) 0 (0 – 0.67)	0.22 ± 0.38 (3) 0 (0 – 0.67)	1.50 ± 0.00 (1) 1.5 (1.5 – 1.5)	0.27 ± 0.50 (29) 0 (0 – 2)	0.505
Educ	13.28 ± 2.00 (18) 12.5 (11 – 19)	11.83 ± 1.76 (3) 12 (10 – 13.5)	12.00 ± 0.00 (1) 12 (12 – 12)	13.02 ± 2.01 (29) 12 (9 – 19)	0.256
HBOTn	39.83 ± 0.51 (18) 40 (38 – 40)	39.33 ± 1.15 (3) 40 (38 – 40)	40.00 ± 0.00 (1) 40 (40 – 40)	39.72 ± 0.65 (29) 40 (38 – 40)	0.207
HBOTd	29.1 ± 2.1 (18) 29 (23 – 33)	31.3 ± 3.5 (3) 31 (28 – 35)	44.0 ± 0.0 (1) 44 (44 – 44)	30.9 ± 4.5 (29) 30 (23 – 44)	0.138
GreenIR	87.7 ± 11.8 (18) 90 (60 – 100)	89.3 ± 10.1 (3) 88 (80 – 100)	90.0 ± 0.0 (1) 90 (90 – 90)	89.2 ± 12.1 (29) 90 (58 – 100)	0.827
GreenDR	86.9 ± 12.7 (18) 91.5 (60 – 100)	89.3 ± 9.3 (3) 85 (83 – 100)	93.0 ± 0.0 (1) 93 (93 – 93)	88.6 ± 11.6 (29) 93 (60 – 100)	0.761
GreenCNS	83.7 ± 14.9 (18) 86.5 (55 – 100)	85.0 ± 13.2 (3) 80 (75 – 100)	83.0 ± 0.0 (1) 83 (83 – 83)	85.6 ± 13.8 (29) 88 (55 – 100)	0.886
GreenMC	74.3 ± 18.4 (18) 72.5 (40 – 100)	80.0 ± 20.0 (3) 80 (60 – 100)	85.0 ± 0.0 (1) 85 (85 – 85)	77.5 ± 18.1 (29) 85 (40 – 100)	0.627
GreenFR	53.2 ± 20.7 (18) 46.5 (25 – 100)	51.0 ± 7.9 (3) 48 (45 – 60)	68.0 ± 0.0 (1) 68 (68 – 68)	51.9 ± 21.9 (29) 48 (13 – 100)	0.859
AMI	2.0 ± 14.2 (15) -1 (-26 – 22) p = 0.594	4.0 ± 7.1 (2) 4 (-1 – 9) p = 0.570	7.0 ± 0.0 (1) 7 (7 – 7)	2.8 ± 11.9 (24) 5.5 (-26 – 22) p = 0.264	0.850
VMI	2.6 ± 15.5 (15) 3 (-30 – 30) p = 0.526	0.0 ± 1.4 (2) 0 (-1 – 1) p = 1.000	8.0 ± 0.0 (1) 8 (8 – 8)	3.9 ± 13.8 (24) 3 (-30 – 30) p = 0.177	0.821
VWMI	7.0 ± 12.0 (15) 10 (-18 – 25) <b>p = 0.041</b>	5.0 ± 2.8 (2) 5 (3 – 7) p = 0.242	11.0 ± 0.0 (1) 11 (11 – 11)	6.8 ± 10.0 (24) 7.5 (-18 – 25) <b>p = 0.003</b>	0.823

<b>DMI</b>	4.7 ± 14.3 (15) 4 (-21 – 26) p = 0.227	2.0 ± 0.0 (2) 2 (2 – 2)	14.0 ± 0.0 (1) 14 (14 – 14)	5.7 ± 12.0 (24) 5.5 (-21 – 26) <b>p = 0.029</b>	0.801
<b>IQ</b>	14.2 ± 12.4 (18) 13.5 (-9 – 47) <b>p &lt; 0.001</b>	10.3 ± 7.2 (3) 14 (2 – 15) p = 0.132	18.0 ± 0.0 (1) 18 (18 – 18)	14.2 ± 10.3 (29) 15 (-9 – 47) <b>p &lt; 0.001</b>	0.607
<b>DelWMS</b>	14.8 ± 14.1 (18) 17 (-6 – 36) <b>p &lt; 0.001</b>	13.3 ± 1.5 (3) 13 (12 – 15) <b>p = 0.004</b>	21.0 ± 0.0 (1) 21 (21 – 21)	15.2 ± 13.9 (29) 17 (-19 – 38) <b>p &lt; 0.001</b>	0.864
<b>WrkWMS</b>	10.1 ± 11.9 (18) 8 (-15 – 29) <b>p = 0.002</b>	18.3 ± 13.1 (3) 17 (6 – 32) p = 0.135	10.0 ± 0.0 (1) 10 (10 – 10)	11.3 ± 10.5 (29) 10 (-15 – 32) <b>p &lt; 0.001</b>	0.283
<b>Stroop</b>	9.6 ± 13.6 (18) 6 (-10 – 39) <b>p = 0.008</b>	14.3 ± 14.5 (3) 14 (0 – 29) p = 0.229	25.0 ± 0.0 (1) 25 (25 – 25)	10.9 ± 12.2 (29) 10 (-10 – 39) <b>p &lt; 0.001</b>	0.586
<b>TOVAVar</b>	13.8 ± 21.2 (18) 9 (-30 – 48) <b>p = 0.013</b>	-12.0 ± 52.4 (3) 2 (-70 – 32) p = 0.730	0.0 ± 0.0 (1) 0 (0 – 0)	8.6 ± 25.3 (29) 8 (-70 – 48) <b>p = 0.078</b>	0.132
<b>QOL</b>	30 ± 37 (18) 24 (-37 – 96) <b>p = 0.003</b>	31 ± 13 (3) 37 (17 – 40) <b>p = 0.049</b>	32 ± 0 (1) 32 (32 – 32)	28 ± 32 (29) 24 (-37 – 96) <b>p &lt; 0.001</b>	0.938
<b>PHQ9Dep</b>	-10.1 ± 7.0 (18) -11.5 (-21 – 5) <b>p &lt; 0.001</b>	-6.0 ± 3.6 (3) -7 (-9 – -2) p = 0.102	-4.0 ± 0.0 (1) -4 (-4 – -4)	-7.9 ± 6.8 (29) -7 (-21 – 5) <b>p &lt; 0.001</b>	0.339
<b>GAD7Anx</b>	-6.8 ± 6.2 (18) -8 (-14 – 2) <b>p &lt; 0.001</b>	-1.3 ± 4.5 (3) -1 (-6 – 3) p = 0.660	-6.0 ± 0.0 (1) -6 (-6 – -6)	-5.4 ± 5.9 (29) -5 (-14 – 4) <b>p &lt; 0.001</b>	0.165
<b>CogPBN</b>	23.5 ± 16.1 (18) 17.5 (5 – 50) <b>p &lt; 0.001</b>	1.7 ± 7.6 (3) 0 (-5 – 10) p = 0.742	30.0 ± 0.0 (1) 30 (30 – 30)	20.4 ± 17.4 (29) 15 (-10 – 50) <b>p &lt; 0.001</b>	<b>0.035</b>
<b>PhysPBN</b>	23.3 ± 17.4 (18) 20 (0 – 55) <b>p &lt; 0.001</b>	20.0 ± 0.0 (3) 20 (20 – 20)	-10.0 ± 0.0 (1) -10 (-10 – -10)	20.7 ± 16.2 (29) 20 (-10 – 55) <b>p &lt; 0.001</b>	0.748
<b>EmoPBN</b>	30.1 ± 17.8 (18) 30 (5 – 60) <b>p &lt; 0.001</b>	26.7 ± 17.6 (3) 25 (10 – 45) p = 0.119	30.0 ± 0.0 (1) 30 (30 – 30)	31.1 ± 18.9 (29) 30 (5 – 80) <b>p &lt; 0.001</b>	0.763
<b>Inatt</b>	10.3 ± 25.6 (18) 3 (-48 – 60) p = 0.104	-1.7 ± 10.6 (3) 0 (-13 – 8) p = 0.811	61.0 ± 0.0 (1) 61 (61 – 61)	8.0 ± 27.8 (29) 0 (-62 – 61) p = 0.134	0.440
<b>Impls</b>	6.9 ± 17.8 (18) 4.5 (-25 – 48) p = 0.116	26.3 ± 24.4 (3) 17 (8 – 54) p = 0.202	60.0 ± 0.0 (1) 60 (60 – 60)	11.9 ± 20.2 (29) 8 (-25 – 60) <b>p = 0.004</b>	0.111
<b>RxTm</b>	5.5 ± 16.0 (18) 8 (-23 – 35) p = 0.163	-4.7 ± 27.5 (3) -5 (-32 – 23) p = 0.797	-14.0 ± 0.0 (1) -14 (-14 – -14)	3.5 ± 18.2 (29) 5 (-32 – 43) p = 0.312	0.365

TapD	8.9 ± 19.3 (18) 6 (-20 – 68) <b>p = 0.066</b>	8.0 ± 3.0 (3) 8 (5 – 11) <b>p = 0.044</b>	13.0 ± 0.0 (1) 13 (13 – 13)	6.4 ± 16.0 (29) 5 (-20 – 68) <b>p = 0.040</b>	0.935
TapND	8.4 ± 15.4 (18) 4.5 (-6 – 57) <b>p = 0.033</b>	0.0 ± 18.0 (3) 0 (-18 – 18) p = 1.000	7.0 ± 0.0 (1) 7 (7 – 7)	4.5 ± 14.7 (29) 1 (-18 – 57) p = 0.111	0.399
PegD	10.7 ± 14.4 (18) 8.5 (-14 – 33) <b>p = 0.006</b>	10.0 ± 21.7 (3) 7 (-10 – 33) p = 0.508	25.0 ± 0.0 (1) 25 (25 – 25)	11.2 ± 13.9 (29) 9 (-14 – 33) <b>p &lt; 0.001</b>	0.945
PegND	2.1 ± 13.8 (18) 0 (-30 – 36) p = 0.526	5.0 ± 20.2 (3) 13 (-18 – 20) p = 0.710	2.0 ± 0.0 (1) 2 (2 – 2)	4.2 ± 13.6 (29) 3 (-30 – 36) p = 0.105	0.755
Parag	-1.2 ± 5.3 (18) -1 (-14 – 8) p = 0.367	-3.0 ± 2.6 (3) -4 (-5 – 0) p = 0.189	6.0 ± 0.0 (1) 6 (6 – 6)	-0.9 ± 4.6 (29) -1 (-14 – 8) p = 0.324	0.573
RPCSQ	-14.6 ± 12.3 (18) -14.5 (-38 – 12) <b>p &lt; 0.001</b>	-11.0 ± 4.6 (3) -12 (-15 – -6) <b>p = 0.053</b>	-13.0 ± 0.0 (1) -13 (-13 – -13)	-13.5 ± 10.4 (29) -13 (-38 – 12) <b>p &lt; 0.001</b>	0.627
PCLM	-18.0 ± 17.2 (18) -19 (-54 – 10) <b>p &lt; 0.001</b>	-8.3 ± 1.5 (3) -8 (-10 – -7) <b>p = 0.011</b>	-12.0 ± 0.0 (1) -12 (-12 – -12)	-16.6 ± 16.2 (29) -16 (-54 – 10) <b>p &lt; 0.001</b>	0.352
LG030	-0.65 ± 1.67 (18) -0.63 (-3.96 – 2.11) p = 0.118	1.10 ± 1.29 (3) 0.83 (-0.04 – 2.5) p = 0.278	0.61 ± 0.00 (1) 0.61 (0.61 – 0.61)	-0.39 ± 1.59 (29) -0.14 (-3.96 – 2.5) p = 0.198	0.103
LG060	-0.72 ± 1.25 (18) -1.01 (-2.7 – 2.27) <b>p = 0.026</b>	-0.13 ± 1.27 (3) -0.14 (-1.4 – 1.14) p = 0.873	0.64 ± 0.00 (1) 0.64 (0.64 – 0.64)	-0.69 ± 1.23 (29) -0.86 (-2.7 – 2.27) <b>p = 0.005</b>	0.462
LG090	-0.34 ± 1.74 (18) 0.07 (-3.71 – 2.98) p = 0.418	0.38 ± 2.78 (3) 1.28 (-2.74 – 2.59) p = 0.836	-0.34 ± 0.00 (1) -0.34 (-0.34 – 0.34)	-0.09 ± 1.75 (29) 0 (-3.71 – 3.66) p = 0.779	0.546
LG120	-0.42 ± 1.84 (18) -0.58 (-3.07 – 2.7) p = 0.345	0.62 ± 2.84 (3) 0.6 (-2.22 – 3.46) p = 0.743	-1.49 ± 0.00 (1) -1.49 (-1.49 – 1.49)	-0.27 ± 2.12 (29) -0.8 (-3.33 – 4.54) p = 0.491	0.409
LG150	0.02 ± 2.16 (18) 0.45 (-4.6 – 3.55) p = 0.966	-1.06 ± 2.46 (3) -1.4 (-3.34 – 1.56) p = 0.534	-3.91 ± 0.00 (1) -3.91 (-3.91 – 3.91)	-0.47 ± 2.21 (29) 0.19 (-4.6 – 3.55) p = 0.265	0.439
LGAI1	-0.42 ± 0.74 (18) -0.58 (-1.93 – 0.73) <b>p = 0.028</b>	0.18 ± 1.62 (3) 0.44 (-1.56 – 1.66) p = 0.866	-0.90 ± 0.00 (1) -0.9 (-0.9 – -0.9)	-0.38 ± 0.95 (29) -0.57 (-2.27 – 1.66) <b>p = 0.039</b>	0.286

LW060	0.26 ± 2.10 (18) 0.11 (-3.52 – 4.85) p = 0.603	-4.47 ± 3.38 (3) -4.22 (-7.97 – 1.23) p = 0.149	1.48 ± 0.00 (1) 1.48 (1.48 – 1.48)	-0.54 ± 2.75 (29) -0.7 (-7.97 – 4.85) p = 0.303	<b>0.003</b>
LW120	-1.03 ± 2.98 (18) -1.21 (-6.12 – 4.88) p = 0.160	-1.19 ± 1.70 (3) -1.73 (-2.55 – 0.72) p = 0.350	-2.56 ± 0.00 (1) -2.56 (-2.56 – 2.56)	-1.06 ± 2.74 (29) -0.87 (-6.12 – 4.88) <b>p = 0.046</b>	0.932
LWAll	-0.39 ± 2.16 (18) 0.11 (-4.62 – 3.11) p = 0.461	-2.83 ± 2.11 (3) -1.75 (-5.26 – 1.48) p = 0.146	-0.54 ± 0.00 (1) -0.54 (-0.54 – 0.54)	-0.80 ± 2.23 (29) -0.79 (-5.26 – 3.11) <b>p = 0.064</b>	<b>0.085</b>
RG030	-0.17 ± 1.55 (18) -0.69 (-2.32 – 3.19) p = 0.640	-0.73 ± 0.90 (3) -0.79 (-1.6 – 0.2) p = 0.296	0.38 ± 0.00 (1) 0.38 (0.38 – 0.38)	-0.28 ± 1.52 (29) -0.57 (-3.84 – 3.19) p = 0.333	0.559
RG060	-0.44 ± 1.40 (18) -0.49 (-2.7 – 3.38) p = 0.198	-0.61 ± 0.88 (3) -0.17 (-1.62 – 0.05) p = 0.350	1.84 ± 0.00 (1) 1.84 (1.84 – 1.84)	-0.40 ± 1.33 (29) -0.51 (-2.7 – 3.38) p = 0.114	0.841
RG090	-0.34 ± 1.14 (18) -0.2 (-3.53 – 1.24) p = 0.221	1.01 ± 1.37 (3) 1.03 (-0.37 – 2.37) p = 0.330	0.12 ± 0.00 (1) 0.12 (0.12 – 0.12)	0.08 ± 1.32 (29) 0.04 (-3.53 – 3.35) p = 0.736	<b>0.079</b>
RG120	-0.15 ± 1.72 (18) -0.08 (-4.63 – 2.75) p = 0.708	1.04 ± 1.93 (3) 1.66 (-1.13 – 2.58) p = 0.451	0.41 ± 0.00 (1) 0.41 (0.41 – 0.41)	-0.06 ± 1.80 (29) 0.05 (-4.63 – 2.75) p = 0.851	0.287
RG150	-0.29 ± 1.31 (18) -0.55 (-2.84 – 1.61) p = 0.363	-1.01 ± 1.06 (3) -0.44 (-2.24 – 0.37) p = 0.240	1.82 ± 0.00 (1) 1.82 (1.82 – 1.82)	-0.32 ± 1.35 (29) -0.46 (-2.84 – 1.97) p = 0.217	0.377
RGAll	-0.28 ± 0.54 (18) -0.38 (-1 – 0.66) <b>p = 0.043</b>	-0.06 ± 0.77 (3) 0.36 (-0.95 – 0.4) p = 0.903	0.91 ± 0.00 (1) 0.91 (0.91 – 0.91)	-0.20 ± 0.59 (29) -0.3 (-1.25 – 0.91) <b>p = 0.087</b>	0.547
RW060	-1.30 ± 3.18 (18) -1.69 (-6.58 – 5.58) p = 0.102	-2.19 ± 4.73 (3) -2.18 (-6.92 – 2.53) p = 0.507	0.60 ± 0.00 (1) 0.6 (0.6 – 0.6)	-1.19 ± 2.92 (29) -1.25 (-6.92 – 5.58) <b>p = 0.037</b>	0.677
RW120	0.00 ± 2.74 (18) 0.76 (-4.25 – 5.55) p = 0.998	-3.56 ± 1.19 (3) -3.82 (-4.6 – 2.26) <b>p = 0.035</b>	3.15 ± 0.00 (1) 3.15 (3.15 – 3.15)	-0.42 ± 2.73 (29) 0.1 (-4.6 – 5.55) p = 0.413	<b>0.042</b>
RWAll	-0.65 ± 2.47 (18) -1.25 (-4.07 – 4.28) p = 0.282	-2.87 ± 1.78 (3) -3 (-4.59 – -1.03) p = 0.108	1.88 ± 0.00 (1) 1.88 (1.88 – 1.88)	-0.80 ± 2.30 (29) -1.03 (-4.59 – 4.28) <b>p = 0.070</b>	0.155

