

Supplementary Material

Precision Medicine Approach to Alzheimer's Disease: Successful Pilot Project

Supplementary Table 1. Raw values of gray matter and hippocampal volume/mTIV ratios.

| Subject | Time difference (y) | Gray Matter Volume/mTIV Ratio % | | | Hippocampus Volume/mTIV Ratio % | | |
|----------------|---------------------|---------------------------------|--------------------|---------------------|---------------------------------|--------------------|---------------------|
| | | 1st TP | 2 nd TP | Annualized % Change | 1st TP | 2 nd TP | Annualized % Change |
| 1 | 0.715 | 36.724 | 36.479 | -0.933 | 0.429 | 0.422 | -2.298 |
| 2 | 0.693 | 32.878 | 31.764 | -4.892 | 0.370 | 0.359 | -4.086 |
| 3 | 0.627 | 32.012 | 32.497 | 2.417 | 0.388 | 0.384 | -1.969 |
| 4 | 0.794 | 36.966 | 37.595 | 2.144 | 0.445 | 0.457 | 3.336 |
| 5 | 0.794 | 39.189 | 40.690 | 4.823 | 0.449 | 0.456 | 1.799 |
| 6 | 0.799 | 25.964 | 22.526 | -16.564 | 0.334 | 0.318 | -5.867 |
| 7 | 0.690 | 32.390 | 33.216 | 3.695 | 0.396 | 0.385 | -3.837 |
| 8 | 0.690 | 35.051 | 34.244 | -3.338 | 0.475 | 0.453 | -6.589 |
| 9 | 0.767 | 36.874 | 33.448 | -12.122 | 0.464 | 0.469 | 1.515 |
| 10 | 0.728 | 32.985 | 33.654 | 2.783 | 0.390 | 0.375 | -5.243 |
| 11 | 0.657 | 37.657 | 37.137 | -2.101 | 0.425 | 0.429 | 1.423 |
| 12 | 0.646 | 34.437 | 33.698 | -3.322 | 0.397 | 0.410 | 4.895 |
| 13 | 0.739 | 25.492 | 29.845 | 23.102 | 0.352 | 0.359 | 2.677 |
| 14 | 0.923 | 29.587 | 28.760 | -3.029 | 0.422 | 0.396 | -6.485 |
| 15 | 0.687 | 21.996 | 20.189 | -11.951 | 0.433 | 0.425 | -2.832 |
| 16 | 0.646 | 22.588 | 24.729 | 14.669 | 0.496 | 0.490 | -1.852 |
| 17 | 0.616 | 20.165 | 20.296 | 1.054 | 0.419 | 0.404 | -6.105 |
| 18 | 0.715 | 38.886 | 38.734 | -0.546 | 0.469 | 0.483 | 3.962 |
| 19 | 0.772 | 38.282 | 38.030 | -0.850 | 0.445 | 0.451 | 1.734 |
| 20 | 0.671 | 38.798 | 39.165 | 1.410 | 0.432 | 0.413 | -6.677 |
| 21 | 0.537 | 39.895 | 39.073 | -3.838 | 0.470 | 0.480 | 3.703 |
| 22 | 0.789 | 36.687 | 35.285 | -4.847 | 0.375 | 0.371 | -1.124 |
| 23 | 0.687 | 30.197 | 34.960 | 22.949 | 0.467 | 0.472 | 1.713 |
| 24 | 0.706 | 32.198 | 32.063 | -0.594 | 0.418 | 0.421 | 0.873 |
| 25 | 0.742 | 36.394 | 35.703 | -2.559 | 0.465 | 0.447 | -4.999 |
| Average | 0.713 | 32.972 | 32.951 | 0.302 | 0.425 | 0.421 | -1.293 |
| Stdev | 0.077 | 5.778 | 5.758 | 9.134 | 0.041 | 0.045 | 3.828 |
| Range | 0.386 | 19.730 | 2.0501 | 39.666 | 0.162 | 0.172 | 11.572 |
| Min | 0.537 | 20.165 | 20.189 | -16.564 | 0.334 | 0.318 | -6.677 |
| Max | 0.923 | 39.895 | 40.690 | 23.102 | 0.496 | 0.490 | 4.895 |

mTIV, mean total intracranial volume; TP, time point; Stdev, standard deviation.