Post-mortem Interval Influences α -Synuclein Expression in Parkinson Disease Brain

Supplementary Material

| Supplementary | Table | 1: | Encoding | of AD | variable | for | the | final | sample | using |
|------------------|-----------|-------|----------|-------|----------|-----|-----|-------|--------|-------|
| neuropathologica | ıl inform | ıatio | on | | | | | | | |

| AD Value | LA | McLean | Sun Health | | | | |
|----------|-------------------------|---------------------|-------------------------|--|--|--|--|
| 2 | Information in the | Abundant plaques in | Plaque Total ≥ 4.5 | | | | |
| | Neuropathological | the hippocampus | Braak ≥ 4 | | | | |
| | Diagnosis and in the | region | or | | | | |
| | Microscopic | Age and Braak stage | Plaque Total ≥ 10 | | | | |
| | Examination sections | considered | Braak = 3 | | | | |
| | 1 PD, 0 controls | 3 PD, 0 controls | 6 PD*, 0 controls | | | | |
| 1 | Information in the | Moderate plaques in | Plaque Total ≥ 4.5 | | | | |
| | Neuropathological | the hippocampus | Braak = 3 | | | | |
| | Diagnosis and in the | region | or | | | | |
| | Microscopic | Age and Braak stage | Plaque Total ≥ 8 | | | | |
| | Examination sections | considered | Braak = 2 | | | | |
| | 2 PD, 1 control | 13 PD, 5 controls | 9 PD, 0 controls | | | | |
| 0 | No evidence for plaques | | | | | | |
| | 14 PD, 1 control | 19 PD, 34 controls | 33 PD, 23 controls | | | | |

*all 6 brains had B Cerad Neuritic Plaque scores assigned to them



Supplementary Figure 1: Age at death versus SNCA-FL expression values adjusted for *pH*, *PMI*, and sex in 64 controls.



Supplementary Figure 2: Adjusted SNCA-FL expression values by PMI for A) all samples and B) only samples with PMI less or equal to 5.5 hours. Controls are depicted as crosses (dotted regression line) and PD samples as circles (solid regression line).