**Supplementary Material**

**Development of a High-Sensitivity Method for the Measurement of Human Nasal Aβ42, Tau, and Phosphorylated Tau**

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**Supplementary Table 1.**

Cut-off scores and their associated sensitivity, specificity, and Youden’s Index for p-tau/t-tau levels in the middle nasal meatus for predicting Alzheimer's disease.

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Cut-off Sensitivity Specificity Youden’s

value Index\*

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0.02 0.78 0.71 0.49

0.15 0.67 0.79 0.45

0.01 0.78 0.64 0.42

0.18 0.56 0.86 0.41

0.13 0.67 0.71 0.38

0.16 0.56 0.79 0.34

0.19 0.44 0.86 0.30

0.21 0.33 0.93 0.26

0.20 0.33 0.86 0.19

0.22 0.22 0.93 0.15

0.32 0.11 0.93 0.04

0.00 1.00 0.00 0.00

0.10 1.00 0.00 0.00

0.35 0.00 0.93 -0.07

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\*Youden’s Index is the sum of sensitivity and specificity-1.

**Supplementary Table 2.**

Cut-off scores and their associated sensitivity, specificity, and Youden’s Index for p-tau/t-tau levels in the olfactory cleft for predicting Alzheimer's disease.

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Cut-off Sensitivity Specificity Youden’s

value Index\*

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0.15 0.58 0.87 0.45

0.13 0.58 0.80 0.38

0.16 0.50 0.87 0.37

0.12 0.58 0.73 0.32

0.02 0.83 0.47 0.30

0.17 0.42 0.87 0.28

0.04 0.75 0.53 0.28

0.22 0.33 0.93 0.27

0.08 0.67 0.60 0.27

0.27 0.25 1.00 0.25

0.11 0.58 0.67 0.25

0.03 0.75 0.47 0.22

0.05 0.67 0.53 0.20

0.24 0.25 0.93 0.18

0.31 0.17 1.00 0.17

0.33 0.08 1.00 0.08

0.00 1.00 0.00 0.00

0.10 1.00 0.00 0.00

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*Youden’s Index is the sum of sensitivity and specificity-1.