

Table e-2. Differences of CSF p/t-tau ratio between the patient and control groups

	bvFTD	FTD-MND	svPPA	nfvPPA	lvPPA	CBS	PSP
Controls	-0,052	-0,089	-0,057	-0,033	-0,043	-0,044	-0,026
<i>p</i> -value	<0.001	<0.001	<0.001	0.003	0.17	<0.001	<0.001
bvFTD		-0,037	-0,005	0,019	0,009	0,008	0,026
<i>p</i> -value		<0.001	1.0	0.75	1.0	0.95	0.001
FTD-MND			0,032	0,056	0,046	0,045	0,063
<i>p</i> -value			<0.001	<0.001	0.16	<0.001	<0.001
svPPA				0,024	0,014	0,013	0,031
<i>p</i> -value				0.91	1.0	1.0	0.054
nfvPPA					-0,010	-0,010	0,007
<i>p</i> -value					1.0	1.0	1.0
lvPPA						-0,001	0,017
<i>p</i> -value						1.0	1.0
CBS							0,017
<i>p</i> -value							0.89

Differences between medians are displayed (column minus row). Significances (corrected for multiple comparisons) of the ANCOVA analysis with correction for age are displayed.

bvFTD: behavioral variant FTD; CBS: corticobasal syndrome; CSF: cerebrospinal fluid; FTD: frontotemporal dementia; FTD-MND: FTD with concomitant motor neuron disease; lvPPA: logopenic

variant PPA; NfL: neurofilament light chain; nfvPPA: non-fluent variant PPA; PPA: primary progressive aphasia; PSP: progressive supranuclear palsy; svPPA: semantic variant PPA

Table e-3. Diagnostic performance of CSF NfL, p/t-tau ratio and the combination

Table e-4. Association of NfL and p/t-tau ratio with demographic and clinical variables.

	NfL			p/t-tau ratio		
	r_s	n	p-value	r_s	n	p-value
Age at CSF collection	-0.03	335	0.65	0.12	352	0.03
Sex	n/a	335	0.38	n/a	352	0.53
Disease duration at CSF collection	-0.22	335	<0.001 ^a	0.15	352	0.006 ^b
Genetic status ^c	n/a	334	0.001 ^c	n/a	351	0.005 ^c
MMSE	-0.15	273	0.01 ^d	0.10	291	0.08
FAB	-0.15	201	0.03 ^a	0.12	219	0.07
CDR	0.08	208	0.25	-0.08	227	0.25
CDR-SB	0.38	51	0.005 ^a	-0.31	51	0.03 ^a

All clinical patients and no controls were included in the correlation analysis. For the cognitive scales, only assessments within 6 months of CSF collection were considered.

^aAfter stratification on clinical diagnosis, an association was confirmed in bvFTD. ^bStratification by clinical diagnosis did not yield an association. ^cThe following groups were compared: patients with a mutation in *GRN*, *C9orf72*, *MAPT*, and patients without a known mutation, one patient with a *optineurin* mutation was excluded; post-hoc analysis showed higher NfL levels and lower p/t-tau ratios in *GRN* mutations than in those without a known mutation. ^dAfter stratification on clinical diagnosis, an association was confirmed in CBS.

bvFTD: behavioral variant frontotemporal dementia; CBS: corticobasal syndrome; CDR: clinical dementia rating scale; CDR-SB: clinical dementia rating scale sum of boxes; CSF: cerebrospinal fluid; FAB: frontal assessment battery; MMSE: Mini-Mental State Examination; n/a: not applicable; NfL: neurofilament light chain; r_s : Spearman's correlation coefficient.