Table A. Clinico-pathological information of the cases in which the presence of TADDI -ir was studied

Number	Age	Sex	PmD	Fix	Bw	APOE	BS	Cause of death
			TADDI distribution in the brain					
1)	38	m	10:45	37	1618	33	0	Wegener's disease
2)	41	f	13:30		1263	43		adenocarcinoma of the bronchus, massive lung bleeding
3)	62	m	09:35	33	1175	33	0	adenocarcinoma of the pancreas, rupture of the ileum, peritonitis
4)	73	m	05:00	32	1075	43	6C	AD, cachexia
5)	77	f	08:30	51	1102	44	6C	AD, dehydration
6)	77	f	08:20	42	1312	32	1A	cachexia, uremia
			TADDI distribution in the hypothalamus					
1)	25	m	18:30	44	1500			NDC, diabetes mellitus, pneumonia
2)	28	f	05:25	44				NDC, myocardial infarction
3)	46	f	11:00	19	1300			NDC, unknown
4)	47	m	33:45	28	1307			NDC, bronchial carcinoma with metastases
5)	78	f	07:30	6	1330	43	2	NDC, pulmonary emphysema, heart failure

Abbreviations: AD – Alzheimer's disease, APOE – apolipoprotein genotype, BS – Braak stage, Bw – brain weight (in grams), f – female, Fix – fixation time (days), m – male, NDC – non-demented control, PmD – postmortem delay (hours and minutes), TADDI – hippocampal ERα splice variant TADDI immunoreactivity.

Table B. Clinico-pathological information of the cases in which TADDI-ir was quantified in the NBM, SON and TMN.

Young control cases

№	Age	Sex	PmD	Fix	Bw	Cause of death
1)	20	m	08:00	82	1490	heart failure, pneumonia, B-cell lymphoma
2)	21	f	19:35	65	975	myocardial infarction
3)	25	m	18:30	44	1500	diabetes mellitus, pneumonia
4)	27	m				drowning
5)	28	f	05:25	44		myocardial infarction
6)	29	f	13:10	60	1150	hepatic coma
7)	32	f	30:00	45	1280	bronchopneumonia
8)	32	f	<41:00	45	1287	pulmonary hypertension
9)	33	m	18:45	32	1410	motor accident
10)	35	m	13:30	1214	1430	respiratory insufficiency
11)	35	f	08:00	26	1200	acute lymphoblastic leukemia
12)	38	f	53:30	1113	1260	pneumonia, respiratory insufficiency
13)	38	m	10:45	37	1618	Wegener's disease
14)	40	f	<41:00	54	1279	pulmonary carcinoma
15)	41	f	<72:25	69	1335	subdural haematoma, coma
16)	43	m	<17:00	1293	1720	unknown
17)	43	m	09:15	130	1380	pneumonia
18)	44	m	<41:00	123	1434	multiple organ failure, bronchopneumonia
19)	46	f	11:00	19	1300	unknown
20)	46	f	10:25	35	1197	cardiogenic shock
21)	47	m	33:45	28	1307	bronchial carcinoma with metastases
22)	47	m	<82:30	105	1420	cardiac arrest
23)	49	f	<41:00	32	1260	lung carcinoma with metastases
24)	49	f	<17:00	806	1253	massive thromboembolisms
25)	49	f	<13:30	165	1437	respiratory insufficiency, cervix carcinoma with metastases
26)	50	f	43:10	31	1219	pneumonia, sepsis
27)	50	f	<41:00	72	1350	euthanasia, pancoast tumor with metastases
28)	50	m	08:30	41	1436	cardiac arrest

Elderly control cases

№	Age	Sex	PmD	Fix	Bw	APOE	BS	Cause of death
1)	56	m	05:00	35	1357	33	0	unknown
2)	58	m	<17:00	96	1408		0	aorta dissection
3)	58	f	06:45	28	1221			postoperative coma
4)	60	f	<08:06	87			0	ovarian carcinoma
5)	61	f	05:15	28	1311	32	0	glioblastoma, coma
6)	63	m	10:20	32	1250	32	0	myocardial infarction, Wernicke's/Korsakov's syndrome
7)	63	m	01:40	65	1368		0	pneumonia, ventricular tachycardia
8)	63	m	26:45	29	1154	32	0	pulmonary infection, abscess in the abdomen
9)	64	f	08:35	36	1169	42	0B	bowel perforation, myocardial infarction
10)	65	f	<20:00	55			0	right hemicolectomy, mesenterial ischemia
11)	66	m	<41:00	49	1461			septic shock, adenocarcinoma of the stomach
12)	68	m	07:17	47	1366	33	1	myocardial infarction
13)	68	m	<41:00	150	1157			pneumonia, respiratory insufficiency
14)	69	f	06:15	31	1264	33	1	myocardial infarction
15)	71	m	07:40	38	1190	33	10	sepsis, respiratory insufficiency
16)	72	m	06:45	34	1383	43	0	heart failure
17)	72	f	65:30	56			1A	bronchopneumonia
18)	73	f	08:00	34	1344		0	bronchopneumonia, cardiac and septic shock
19)	74	m	08:00	60	1317	32	0	myocardial infarction
20)	74	f	07:25	31	1207	32	20	intestinal thrombosis and necrosis
21)	77	f	02:40	47	1235	33	10	carcinoma of the pancreas, septic shock
22)	77	f	<52:00	56	1255		2	myocardial infarction
23)	80	m	06:56	33	1380	33	0	respiratory insufficiency, lung emphysema, pneumonia
24)	82	m	<89:00	63			10	lung carcinoma with metastases, lung infarction
25)	82	f	10:45	35	1078	43	1C	atrial fibrillation, respiratoty insufficiency
26)	84	f	11:00	81	1201		2	sudden death
27)	84	m	09:00	30	1367	33	1	heart failure, uremia
28)	85	f	05:11	28	925	33	0C	pneumonia
29)	89	f	05:10	36	1168	32	20	cardiac arrest
30)	90	f	06:10	25	1119	33	3A	cardiac arrest
31)	94	f	06:10	29	1118	33	1	pneumonia, sepsis

Alzheimer's disease cases

№	Age	Sex	PmD	Fix	Bw	APOE	BS	Cause of death
1)	54	f	03:15	28	1055	33	5C	AD, cachexia
2)	57	m	05:00	45	1690	43	6C	AD, pneumonia, urosepsis
3)	58	m	04:45	32	1350	43	6	AD, cachexia, pulmonary insufficiency
4)	58	m	05:10	27	1290	33	6C	AD, cachexia
5)	60	f	03:45	29	1060	33	6	AD, sudden death
6)	61	m	06:05	30	1180	33	6	AD, cachexia
7)	63	m	05:00	30	1350	33	6	AD, pneumonia
8)	63	m	06:00	31	1251	44	6	AD, acute agranulocytosis, sepsis
9)	64	m	03:40	30	1050	43	6C	AD
10)	65	f	02:35	121	1175	43	6	AD, cachexia
11)	69	f	04:00	33	1150	33	6	AD, pneumonia
12)	69	m	02:55	29	1362	44	5C	AD, bronchopneumonia
13)	72	m	04:45	33	1092	33	5	AD, cardiac failure
14)	72	m	05:15	26	1520	43	5	AD, pneumonia
15)	76	f	03:40	32	1068	42	6C	AD, cardiac arrest
16)	77	f	03:00	28	1368	44	6	AD, cachexia
17)	79	m	05:45	47	959	43	4C	AD, pneumonia
18)	80	f	02:15	57	1139	43	6	AD
19)	81	f	04:50	40	1049	43	6	AD, cardiac decompensation
20)	82	m	04:15	32	1317	44	5	AD, cachexia
21)	83	f	04:55	36	953	43	5C	AD
22)	84	f	04:40	27	1080	43	5C	AD, cachexia, dehydration
23)	85	f	01:35	32	1043		6	AD, dehydration, pneumonia
24)	87	f	06:20	27	1115	43	5	AD, cardiac decompensation
25)	94	f	03:50	32	882	43	5	AD, dehydration, cachexia

Abbreviations: AD – Alzheimer's disease, APOE – apolipoprotein genotype, BS – Braak stage, Bw – brain weight (in grams), f – female, Fix – fixation time (days), m – male, NBM – the nucleus basalis of Meynert, NDC – non-demented control, PmD – postmortem delay (hours and minutes), SON – the supraoptic nucleus, TADDI – hippocampal ERα splice variant TADDI immunoreactivity, TMN – the tuberomamillary nucleus.

Table C. Clinico-pathological information of the cases in which TADDI-ir was quantified in the hippocampus.

№	sex	age	Bw	BS	Neuropathologogical diagnosis, cause of death
					Premenopausal and perimenopausal women (chronological definition)
1)	f	34	1395		NDC, cardial abnormalities, cachexia
2)	f	40	nr		NDC, gastric leiomyosarcoma
3)	f	40	1279		NDC, pulmonary carcinoma
4)	f	41	1335		NDC, subdural hematoma
5)	f	43	1345		NDC, myocardial infarction
6)	f	43	1438		NDC, respiratory insufficiency
7)	f	49	1437		NDC, respiratory insufficiency, cervix carcinoma with metastases
8)	f	50	1350		NDC, euthanasia
9)	f	50	1333		NDC, hypovolemic shock, adenocarcinoma of the pancreas
					Postmenopausal women
10)	f	63	1216	0	NDC, breast carcinoma, euthanasia
11)	f	73	1360	0	NDC, lung fibrosis, rhabdomyolysis, renal insufficiency
12)	f	78	1250	1	NDC, myocardial infarction
13)	f	82	1195	1	NDC, congestive cardiac failure
14)	f	83	1000	1	NDC, euthanasia, carcinoma of the colon
					Alzheimer's disease women
15)	f	65	954	6	AD, cachexia
16)	f	73	1033	6	AD, dehydration
17)	f	74	1070	6	AD, pneumonia, cachexia
18)	f	82	1118	5	AD, hyperinsulinemia
19)	f	85	1082	6	AD, bronchopneumonia
					Control male patients
20)	m	31	1585		NDC, acute death, arithmogeneous right chamber dysplasia
21)	m	34	1419		NDC, intoxication
22)	m	44	1434		NDC, multiple organ failure, bronchopneumonia
23)	m	44	1565		NDC, myocardial infarction
24)	m	50	nr		NDC, lung emboly

Abbreviations used: AD – Alzheimer's disease; BS – Braak stage for tangles; Bw – brain weight in grams; f – female; m – male; NBB – Netherlands Brain Bank; NDC – non-demented control; nr – not recorded.