

## TERTp and IDH in grade II and III gliomas

**Table S1.** Details about clinical and molecular data of 225 WHO grade II and III gliomas

Serial number	Gender	Gender code	Age	Age code	Pathology	Pathology code	Location	Location code	Location code 2	TERTp	TERTp code	IDH1/2	IDH1/2 code	IDH-TERTp code
1	F	1	28	1	OII	1	Right Frontal	1	R	mutation	1	R132H	1	1
2	M	0	34	1	OAI	1	Left Parietal-occipital	2	L	mutation	1	R132H	1	1
3	F	1	40	1	OAI	1	Right Temporal	2	R	mutation	1	R132H	1	1
4	F	1	40	1	OAI	1	Left Frontal	1	L	mutation	1	R132H	1	1
5	M	0	47	2	OII	1	Left Frontal	1	L	mutation	1	R132H	1	1
6	M	0	41	2	OAI	1	Right Frontotemporal-insular	2	R	mutation	1	R132H	1	1
7	M	0	27	1	OAI	1	Left Frontal	1	L	mutation	1	R132H	1	1
8	F	1	44	2	OAI	1	Right Temporal	2	R	mutation	1	R132H	1	1
9	M	0	35	1	OAI	1	Left Frontal	1	L	mutation	1	R132H	1	1
10	M	0	23	1	AI	1	Right Frontal	1	R	mutation	1	R172K	1	1
11	F	1	30	1	OAI	1	Left Frontotemporal	2	L	mutation	1	R172K	1	1
12	M	0	38	1	OII	1	Right Temporal	2	R	mutation	1	R132H	1	1
13	M	0	66	2	AI	1	Right Frontal	1	R	mutation	1	R132H	1	1
14	M	0	37	1	OAI	1	Left Parietal	2	L	mutation	1	R132H	1	1
15	M	0	32	1	AI	1	Left Insula	2	L	mutation	1	R132H	1	1
16	M	0	55	2	AIII	2	Left Temporal	2	L	mutation	1	R132H	1	1
17	M	0	48	2	OII	1	Right Frontal	1	R	mutation	1	R132H	1	1
18	M	0	45	2	OAI	1	Right Frontal	1	R	mutation	1	R132H	1	1
19	F	1	54	2	AI	1	Left Frontal	1	L	mutation	1	R132H	1	1
20	F	1	40	1	AI	1	Left Temporal	2	L	mutation	1	R132H	1	1
21	F	1	35	1	OAI	1	Left Parietal	2	L	mutation	1	R132H	1	1
22	M	0	50	2	OII	1	Bilateral Frontal	1	B	mutation	1	R132H	1	1
23	F	1	43	2	OII	1	Right Frontal	1	R	mutation	1	R132H	1	1
24	M	0	65	2	OII	1	Bilateral Frontal	1	B	mutation	1	R132H	1	1
25	F	1	58	2	AOIII	2	Bilateral Frontal	1	B	mutation	1	R132H	1	1
26	M	0	60	2	AOIII	2	Left Frontal	1	L	mutation	1	R132H	1	1
27	F	1	43	2	OII	1	Right Frontal	1	R	mutation	1	R132H	1	1
28	M	0	45	2	OAI	1	Left temporal-insular	2	L	mutation	1	R132H	1	1
29	F	1	51	2	OAI	1	Left Frontal	1	L	mutation	1	R132H	1	1
30	M	0	37	1	AI	1	Left Temporal	2	L	wild type	0	R132H	1	2

## TERTp and IDH in grade II and III gliomas

31	F	1	42	2	OAI	1	Left Parietal	2	L	wild type	0	R132H	1	2
32	F	1	42	2	OII	1	Right Frontal	1	R	wild type	0	R132H	1	2
33	M	0	26	1	OAI	1	Right Frontal	1	R	wild type	0	R132H	1	2
34	M	0	57	2	OAI	1	Left Frontal	1	L	wild type	0	R132H	1	2
35	F	1	37	1	AII	1	Left Frontal	1	L	wild type	0	R132H	1	2
36	M	0	37	1	OAI	1	Right Temporal-occipital and Lateral ventricle	2	R	wild type	0	R132H	1	2
37	M	0	49	2	OII	1	Left Frontal	1	L	wild type	0	R132H	1	2
38	F	1	41	2	OAI	1	Bilateral Frontal	1	B	wild type	0	R132H	1	2
39	M	0	50	2	OAI	1	Right Frontal	1	R	ND	ND	R132H	1	ND
40	F	1	40	1	AII	1	Left Frontal	1	L	mutation	1	R132H	1	1
41	F	1	36	1	OII	1	Left Frontal	1	L	mutation	1	R132H	1	1
42	F	1	32	1	AII	1	Left Temporal	2	L	mutation	1	R132H	1	1
43	M	0	47	2	AII	1	Right Frontal	1	R	mutation	1	R132H	1	1
44	M	0	41	2	AAIII	2	Left Frontal	1	L	mutation	1	R132H	1	1
45	M	0	53	2	OII	1	Right Parietal	2	R	mutation	1	R132H	1	1
46	M	0	48	2	AII	1	Right Temporal	2	R	mutation	1	R132H	1	1
47	F	1	31	1	AII	1	Left Temporal	2	L	mutation	1	R132H	1	1
48	F	1	32	1	OII	1	Right Frontal	1	R	mutation	1	R132H	1	1
49	M	0	32	1	AOAIII	2	Right Frontal	1	R	mutation	1	R132H	1	1
50	F	1	34	1	AOIII	2	Left Frontoparietal	2	L	mutation	1	R132H	1	1
51	M	0	45	2	OAI	1	Right Frontal	1	R	mutation	1	R132H	1	1
52	F	1	49	2	OII	1	Bilateral Frontoparietal	2	B	mutation	1	R132H	1	1
53	F	1	42	2	OII	1	Left Temporal	2	L	mutation	1	R132H	1	1
54	M	0	36	1	AOAIII	2	Bilateral Frontoparietal	2	B	mutation	1	R132H	1	1
55	F	1	33	1	OAI	1	Left Frontal	1	L	mutation	1	R132H	1	1
56	M	0	49	2	OAI	1	Right Frontotemporal-insular	2	R	mutation	1	R132H	1	1
57	F	1	58	2	AII	1	Right Frontal	1	R	mutation	1	wild type	0	2
58	F	1	36	1	AAIII	2	Right Frontal	1	R	mutation	1	wild type	0	2
59	M	0	50	2	AAIII	2	Left Temporal	2	L	mutation	1	wild type	0	2
60	F	1	46	2	AII	1	Cingulum	2	X	mutation	1	wild type	0	2
61	M	0	48	2	AAIII	2	Intraventricular	3	X	mutation	1	wild type	0	2
62	M	0	65	2	AAIII	2	Intraventricular	3	X	mutation	1	wild type	0	2

## TERTp and IDH in grade II and III gliomas

63	F	1	57	2	All	1	Right Frontal	1	R	mutation	1	wild type	0	2
64	M	0	60	2	AAIII	2	Right Temporal	2	R	mutation	1	wild type	0	2
65	M	0	70	2	AAIII	2	Right Parietal	2	R	mutation	1	wild type	0	2
66	M	0	13	1	AAIII	2	Bilateral Parietal	2	B	mutation	1	wild type	0	2
67	F	1	54	2	AAIII	2	Right Frontal	1	R	mutation	1	wild type	0	2
68	M	0	48	2	AAIII	2	Right Frontal	1	R	mutation	1	wild type	0	2
69	M	0	46	2	All	1	Right Temporal	2	R	mutation	1	wild type	0	2
70	F	1	45	2	All	1	Left Parietal	2	L	wild type	0	R132H	1	2
71	M	0	38	1	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
72	F	1	46	2	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
73	M	0	39	1	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
74	M	0	58	2	All	1	Right Temporal	2	R	wild type	0	R132H	1	2
75	M	0	32	1	All	1	Left Parietal	2	L	wild type	0	R132H	1	2
76	M	0	34	1	All	1	Left Frontotemporal-insular	2	L	wild type	0	R132H	1	2
77	F	1	52	2	OAll	1	Left Frontoparietal	2	L	wild type	0	R172K	1	2
78	F	1	42	2	OAll	1	Right Frontal	1	R	wild type	0	R132H	1	2
79	F	1	35	1	OAll	1	Bilateral Cerebellum	2	B	wild type	0	R132S	1	2
80	F	1	47	2	All	1	Right Frontotemporal	2	R	wild type	0	R132H	1	2
81	M	0	26	1	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
82	M	0	41	2	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
83	M	0	49	2	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
84	M	0	38	1	OAll	1	Right Frontal	1	R	wild type	0	R132H	1	2
85	F	1	55	2	OII	1	Right Frontotemporal	2	R	wild type	0	R132H	1	2
86	M	0	79	2	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
87	M	0	28	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
88	F	1	46	2	OAll	1	Left Frontotemporal	2	L	wild type	0	R132H	1	2
89	M	0	54	2	All	1	Right Frontotemporal	2	R	wild type	0	R132H	1	2
90	M	0	32	1	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
91	M	0	36	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
92	M	0	36	1	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
93	M	0	32	1	All	1	Right Temporal	2	R	wild type	0	R132H	1	2
94	F	1	43	2	All	1	Corpus callosum	2	X	wild type	0	R172M	1	2

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95	M	0	31	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
96	M	0	29	1	All	1	Left Insula	2	L	wild type	0	R132H	1	2
97	F	1	60	2	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
98	M	0	42	2	All	1	Right Parietal	2	R	wild type	0	R132H	1	2
99	M	0	46	2	All	1	Left Frontotemporal	2	L	wild type	0	R132H	1	2
100	M	0	31	1	All	1	Right Temporal	2	R	wild type	0	R132H	1	2
101	M	0	46	2	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
102	F	1	34	1	OAll	1	Left Frontal	1	L	wild type	0	R132H	1	2
103	M	0	68	2	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
104	F	1	45	2	AAIII	2	Left Temporal	2	L	wild type	0	R132H	1	2
105	M	0	49	2	AAIII	2	Right lateral ventricle trigonal	3	X	wild type	0	R132H	1	2
106	F	1	48	2	AAIII	2	Right Frontoparietal	2	R	wild type	0	R132H	1	2
107	M	0	51	2	AAIII	2	Left Frontal	1	L	wild type	0	R132H	1	2
108	M	0	41	2	AAIII	2	Left Frontal	1	L	wild type	0	R132H	1	2
109	M	0	39	1	AAIII	2	Right Frontal	1	R	wild type	0	R132H	1	2
110	M	0	31	1	AAIII	2	Left Frontotemporal-insular	2	L	wild type	0	R132H	1	2
111	F	1	42	2	OAll	1	Left Frontal	1	L	wild type	0	R132H	1	2
112	F	1	31	1	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
113	M	0	40	1	AAIII	2	Bilateral Frontal	1	B	wild type	0	R132H	1	2
114	M	0	43	2	OAll	1	Right Frontal	1	R	wild type	0	R132H	1	2
115	M	0	39	1	OAll	1	Left Temporal	2	L	wild type	0	R132H	1	2
116	M	0	38	1	All	1	Left Parietal	2	L	wild type	0	R132H	1	2
117	M	0	28	1	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
118	F	1	50	2	All	1	Right Parietal	2	R	wild type	0	R132H	1	2
119	F	1	49	2	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
120	F	1	33	1	All	1	Right Insular	2	R	wild type	0	R132H	1	2
121	M	0	38	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
122	F	1	31	1	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
123	M	0	36	1	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
124	F	1	34	1	AAIII	2	Frontal and Corpus collosum	2	X	wild type	0	R132H	1	2
125	M	0	31	1	AAIII	2	Brainstem	3	X	wild type	0	R132H	1	2
126	F	1	46	2	AAIII	2	Left Frontal	1	L	wild type	0	R132H	1	2

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127	F	1	46	2	All	1	Left Parietal	2	L	wild type	0	R132H	1	2
128	F	1	35	1	AAIII	2	Left Frontotemporal	2	L	wild type	0	R132H	1	2
129	M	0	37	1	AAIII	2	Left Parietal	2	L	wild type	0	R132H	1	2
130	M	0	38	1	All	1	Right Temporal	2	R	wild type	0	R132H	1	2
131	M	0	60	2	AAIII	2	Corpus callosum	2	X	wild type	0	R132H	1	2
132	M	0	38	1	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
133	M	0	35	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
134	M	0	32	1	All	1	Left Frontotemporal-insular	2	L	wild type	0	R132H	1	2
135	M	0	39	1	All	1	Right Frontal	1	R	wild type	0	R132H	1	2
136	M	0	42	2	OAll	1	Left Parietal and Central sulcus	2	L	wild type	0	R132H	1	2
137	M	0	29	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
138	F	1	24	1	All	1	Bilateral Frontal	1	B	wild type	0	R132H	1	2
139	M	0	46	2	All	1	Bilateral Frontal	1	B	wild type	0	R132H	1	2
140	F	1	39	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
141	M	0	27	1	AAIII	2	Right Frontal	1	R	wild type	0	R132H	1	2
142	F	1	36	1	All	1	Right Parietal	2	R	wild type	0	R132H	1	2
143	M	0	39	1	All	1	Right Temporal	2	R	wild type	0	R132H	1	2
144	F	1	34	1	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
145	F	1	33	1	OAll	1	Right Parietal-occipital	2	R	wild type	0	R132H	1	2
146	F	1	30	1	OAll	1	Left Frontoparietal	2	L	wild type	0	R132H	1	2
147	M	0	35	1	All	1	Left Temporal	2	L	wild type	0	R132H	1	2
148	M	0	33	1	OII	1	Left Parietal	2	L	wild type	0	R132H	1	2
149	F	1	46	2	AOAIII	2	Right Frontal	1	R	wild type	0	R132H	1	2
150	M	0	36	1	OAll	1	Left Frontal-insular	2	L	wild type	0	R132H	1	2
151	M	0	32	1	OAll	1	Left Temporal	2	L	wild type	0	R132H	1	2
152	F	1	61	2	OAll	1	Right Frontal	1	R	wild type	0	R132H	1	2
153	F	1	47	2	All	1	Left Frontal	1	L	wild type	0	R132H	1	2
154	F	1	25	1	OAll	1	Left Frontal	1	L	wild type	0	wild type	0	3
155	M	0	24	1	All	1	Left Parietal	2	L	wild type	0	wild type	0	3
156	F	1	40	1	OAll	1	Right Occipital	2	R	wild type	0	wild type	0	3
157	F	1	28	1	All	1	Left Cerebellum	2	L	wild type	0	wild type	0	3
158	F	1	21	1	All	1	Right Thalamus	3	X	wild type	0	wild type	0	3

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159	F	1	25	1	OAI	1	Right lateral ventricle trigonal	3	X	wild type	0	wild type	0	3
160	M	0	22	1	AI	1	Right Temporal	2	R	wild type	0	wild type	0	3
161	M	0	23	1	AI	1	Right Temporal	2	R	wild type	0	wild type	0	3
162	M	0	35	1	AI	1	Left Parietal	2	L	wild type	0	wild type	0	3
163	F	1	41	2	AI	1	Left Parietal	2	L	wild type	0	wild type	0	3
164	F	1	29	1	AI	1	Left Parietal	2	L	wild type	0	wild type	0	3
165	M	0	52	2	AAIII	2	Right Temporal	2	R	wild type	0	wild type	0	3
166	M	0	26	1	AAIII	2	Bilateral Frontal and Corpus Callosum	2	B	wild type	0	wild type	0	3
167	M	0	38	1	AAIII	2	Right lateral ventricle trigonal	3	X	wild type	0	wild type	0	3
168	M	0	53	2	AI	1	Left Frontotemporal	2	L	wild type	0	wild type	0	3
169	F	1	63	2	AAIII	2	Right Tempoparietal	2	R	wild type	0	wild type	0	3
170	M	0	65	2	AAIII	2	Left Parietal	2	L	wild type	0	wild type	0	3
171	M	0	45	2	AAIII	2	Left Frontal	1	L	wild type	0	wild type	0	3
172	M	0	34	1	AAIII	2	Left Frontal	1	L	wild type	0	wild type	0	3
173	F	1	44	2	AAIII	2	Left Frontal	1	L	wild type	0	wild type	0	3
174	M	0	50	2	AAIII	2	Left Frontotemporal	2	L	wild type	0	wild type	0	3
175	M	0	58	2	AAIII	2	Right Frontotemporal-insular	2	R	wild type	0	wild type	0	3
176	M	0	38	1	AAIII	2	Thoracic code T6-8	3	X	wild type	0	wild type	0	3
177	F	1	43	2	AAIII	2	Right Occipital	2	R	wild type	0	wild type	0	3
178	M	0	34	1	AI	1	Right Occipital	2	R	wild type	0	wild type	0	3
179	F	1	51	2	AI	1	Corpus callosum	2	X	wild type	0	wild type	0	3
180	M	0	48	2	AAIII	2	Right Cerebellum	2	R	wild type	0	wild type	0	3
181	M	0	51	2	AAIII	2	Right Basal ganglion	3	X	wild type	0	wild type	0	3
182	F	1	34	1	AAIII	2	Left Frontal	1	L	wild type	0	wild type	0	3
183	M	0	27	1	AAIII	2	Brainstem	3	X	wild type	0	wild type	0	3
184	M	0	33	1	AI	1	Intraventricular	3	X	wild type	0	wild type	0	3
185	M	0	40	1	AI	1	Right Temporal	2	R	wild type	0	wild type	0	3
186	M	0	14	1	AI	1	Right Temporal	2	R	wild type	0	wild type	0	3
187	M	0	45	2	AI	1	Right Temporal	2	R	wild type	0	wild type	0	3
188	M	0	48	2	AI	1	Left Thalamus, Basal ganglion and midbrain	3	X	wild type	0	wild type	0	3
189	F	1	46	2	AI	1	Left Parietal	2	L	wild type	0	wild type	0	3

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190	M	0	58	2	AII	1	Right Insular	2	R	wild type	0	wild type	0	3
191	M	0	18	1	AAIII	2	Brainstem	3	X	wild type	0	wild type	0	3
192	M	0	59	2	AAIII	2	Left Parietal	2	L	wild type	0	wild type	0	3
193	M	0	34	1	AAIII	2	Left Thalamus	3	X	wild type	0	wild type	0	3
194	M	0	47	2	AII	1	Left Thalamus	3	X	wild type	0	wild type	0	3
195	M	0	36	1	AII	1	Right Thalamus	3	X	wild type	0	wild type	0	3
196	M	0	46	2	AII	1	Brainstem	3	X	wild type	0	wild type	0	3
197	M	0	47	2	AII	1	Left Thalamus	3	X	wild type	0	wild type	0	3
198	M	0	42	2	AAIII	2	Right Frontal	1	R	wild type	0	wild type	0	3
199	M	0	59	2	AAIII	2	Left temporal-insular	2	L	wild type	0	wild type	0	3
200	F	1	56	2	AII	1	Right Basal ganglion	3	X	wild type	0	wild type	0	3
201	F	1	65	2	AII	1	Right Frontal	1	R	wild type	0	wild type	0	3
202	M	0	3	1	AAIII	2	Right Temporal	2	R	wild type	0	wild type	0	3
203	F	1	13	1	OII	1	Left Temporal	2	L	wild type	0	wild type	0	3
204	M	0	12	1	OAI	1	Right Parietal	2	R	wild type	0	wild type	0	3
205	M	0	16	1	OAI	1	Right Frontal	1	R	wild type	0	wild type	0	3
206	M	0	7	1	OAI	1	Brainstem	3	X	wild type	0	wild type	0	3
207	M	0	8	1	OAI	1	Right Temporal	2	R	wild type	0	wild type	0	3
208	F	1	48	2	OAI	1	Right Frontal	1	R	wild type	0	wild type	0	3
209	M	0	55	2	OAI	1	Right Frontotemporal	2	R	mutation	1	R132H	1	1
210	M	0	28	1	OII	1	Left Temporal	2	L	mutation	1	R132H	1	1
211	M	0	27	1	AII	1	Left Frontal	1	L	wild type	0	R132H	1	2
212	F	1	33	1	AII	1	Left Frontal	1	L	wild type	0	R132H	1	2
213	F	1	63	2	AAIII	2	Right Frontal	1	R	wild type	0	wild type	0	3
214	F	1	31	1	AII	1	Thoracic code T8-10	3	X	wild type	0	wild type	0	3
215	M	0	37	1	AII	1	Right Frontoparietal	2	R	ND	ND	R132H	1	ND
216	M	0	40	1	AAIII	2	Left Temporal	2	L	ND	ND	R132H	1	ND
217	M	0	44	2	AAIII	2	Left Temporal	2	L	ND	ND	R132H	1	ND
218	M	0	39	1	OAI	1	Right Frontoparietal	2	R	ND	ND	R132H	1	ND
219	M	0	40	1	AAIII	2	Right Frontoparietal	2	R	ND	ND	R132H	1	ND
220	M	0	30.5	1	OII	1	Right Tempoparietal	2	R	ND	ND	wild type	0	ND
221	M	0	60	2	AOIII	2	Right Temporal	2	R	ND	ND	wild type	0	ND

## TERTp and IDH in grade II and III gliomas

222	M	0	28	1	AAll	2	Right Temporal-occipital and Left Occipital	2	R	ND	ND	wild type	0	ND
223	F	1	62.5	2	AAll	2	Left Temporal	2	L	ND	ND	wild type	0	ND
224	F	1	58	2	All	1	Bilateral Frontal and Right Temporal	2	B	ND	ND	wild type	0	ND
225	F	1	38	1	AOAll	2	Left Frontal	1	L	ND	ND	wild type	0	ND

Abbreviations: Gender: F=female; M=male; Gender code: 1=F, 0=M; Age code: 1=younger than or equal to 40 years old, 2=older than 40 years old; Pathology: All=astrocytoma WHO Grade II, OAll=oligoastrocytoma WHO Grade II, Oll=oligodendroglioma WHO Grade II, AAll=anaplastic astrocytoma WHO Grade III, AOAll=anaplastic oligoastrocytoma WHO Grade III, AOll=anaplastic oligodendroglioma WHO Grade III; Pathology code: 1=WHO Grade II, 2=WHO Grade III; Location code: 1=Frontal, 2=Others, 3=Midline; Location code 2: B=Bilateral, L=Left, R=Right, X=not determine; TERTp code: 1=mutation, 0=wild type; IDH1/2 code: 1=mutation, 0=wild type; IDH-TERTp code: 1= $IDH^{mut}$ -TERTp<sup>mut</sup>, 2= $IDH^{mut}$ -TERTp<sup>wt</sup> and  $IDH^{wt}$ -TERTp<sup>mut</sup>, 3= $IDH^{wt}$ -TERTp<sup>wt</sup>; ND=not detect.