

Supplementary Table S3. Clinical information and molecular status in patients with AA.

Research ID	WHO 2016 diagnosis	WHO 2021 diagnosis	Sex	Age	OS (months)	OS censoring (0: censored, 1: dead)	PFS (months)	PFS censoring (0: censored, 1: rec)	PDGFRA (CNV)	PDGFRA (SNV)	EGFR (CNV)	EGFR (SNV)	CDKN2A/B	PTEN (CNV)	PTEN (SNV)	RB1 (CNV)	RB1 (SNV)	NF1 (CNV)	NF1 (SNV)	ATRX (CNV)	ATRX (SNV)	IDH1	TERTp
217	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Male	39	144	1	16	1	Intact	wt	Intact	wt	Intact	Intact	wt	Homdel	wt	Intact	wt	Intact	p.R1426*	p.R132H	wt
218	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Male	37	56	0	56	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	p.C1242fs	p.R132H	wt
219	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	57	74	0	31	1	Intact	wt	Amp	wt	Homdel	Hetloss	wt	Intact	wt	Intact	wt	Intact	wt	wt	wt
220	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 4	Male	35	56	1	43	1	Intact	wt	Intact	wt	Homdel	Hetloss	wt	Hetloss	wt	Intact	wt	Intact	p.S465*	p.R132H	wt
221	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Male	46	48	0	48	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	p.I565fs	p.R132H	wt
222	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Male	49	51	1	8	1	Intact	wt	Amp	p.R108K	Intact	Intact	wt	Intact	c.861+2T>A	Intact	wt	Intact	p.S2375dup	wt	c.-124C>T
223	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Female	67	39	1	19	1	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	p.I347fs	p.R132H	wt
224	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Male	31	78	1	55	1	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	p.F580del	Intact	p.K2182E	p.R132H	wt
225	Anaplastic astrocytoma, IDH-wild, grade III	NEC	Male	57	38	0	38	0	Amp	wt	Intact	wt	Intact	Intact	wt	Hetloss	wt	Intact	wt	Intact	wt	wt	wt
226	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	71	37	0	15	1	Intact	wt	Amp	p.A289D	Intact	Homdel	wt	Intact	wt	Intact	wt	Intact	wt	wt	c.-146C>T
227	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Male	61	22	1	17	1	Intact	wt	Amp	p.A289T	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	wt	wt	c.-124C>T
228	Anaplastic astrocytoma, IDH-wild, grade III	NEC	Male	51	57	0	15	1	Intact	wt	Intact	wt	Intact	Homdel	wt	Homdel	wt	Intact	wt	Hetloss	wt	wt	wt
229	Anaplastic astrocytoma, IDH-wild, grade III	NEC	Male	51	57	0	15	1	Intact	wt	Intact	wt	Intact	Homdel	wt	Homdel	wt	Intact	wt	Homdel	wt	wt	wt
230	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Male	67	36	0	23	1	Intact	wt	Intact	p.G598V, p.S768I	Intact	Hetloss	p.M199fs	Intact	wt	Intact	p.L792F	Intact	wt	wt	c.-124C>T
231	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Female	33	30	0	30	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	p.E453*	p.R132H	wt
232	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Male	39	21	1	5	1	Intact	wt	Amp	p.T790M	Intact	Intact	wt	Intact	wt	Intact	p.H1826P	Intact	wt	wt	c.-124C>T
233	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Male	69	24	0	4	1	Intact	wt	Intact	wt	Intact	Hetloss	p.E299*	Intact	wt	Intact	c.654+1delG	Intact	wt	wt	c.-146C>T
234	Anaplastic astrocytoma	Astrocytoma, IDH-mut, grade 3	Female	25	54	0	54	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	c.4699+2T>G	p.R132H	wt
235	Anaplastic astrocytoma	Astrocytoma, IDH-mut, grade 4	Male	29	17	0	17	0	Intact	wt	Intact	wt	Homdel	Intact	wt	Hetloss	wt	Intact	p.P1398S	Intact	p.Q883Rfs*19	p.R132H	wt
236	Anaplastic astrocytoma	GBM, IDH-wild, grade 4	Male	75	1	1	1	1	Intact	wt	Amp	p.P596L	Homdel	Homdel	wt	Homdel	wt	Hetloss	p.V1244I	Homdel	P2229S, p.L738	wt	c.-124C>T
237	Anaplastic astrocytoma	GBM, IDH-wild, grade 4	Male	53	7	1	7	1	Amp	wt	Intact	p.C362G	Homdel	Hetloss	wt	Homdel	wt	Intact	wt	Homdel	wt	wt	c.-146C>T
238	Anaplastic astrocytoma	Astrocytoma, IDH-mut, grade 3	Male	51	10	1	4	1	Intact	wt	Intact	wt	Intact	Homdel	wt	Homdel	p.G248D	Hetloss	wt	Hetloss	wt	p.R132H	wt
239	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	67	6	1	6	1	Intact	wt	Amp	p.L62R	Homdel	Hetloss	wt	Intact	wt	Intact	wt	Intact	wt	wt	c.-124C>T
240	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	25	18	0	18	1	Intact	wt	Intact	p.A289V	Intact	Hetloss	p.L325F	Homdel	wt	Intact	wt	Intact	wt	wt	c.-124C>T
241	Anaplastic astrocytoma, IDH-wild, grade III	NEC	Female	67	11	0	11	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	p.V450I	Intact	wt	Intact	wt	wt	wt
242	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Male	29	4	0	4	0	Intact	wt	Intact	wt	Homdel	Intact	wt	Intact	wt	Intact	wt	Intact	wt	wt	c.-124C>T
243	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	47	6	0	6	0	Gain	wt	Intact	p.K609N	Intact	Intact	wt	Intact	p.R661Q	Intact	wt	Intact	p.S210T	wt	c.-124C>T
244	Anaplastic astrocytoma, IDH-wild, grade III	NEC	Male	70	0	0	0	0	Intact	p.I315N	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	wt	wt	wt
245	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Female	60	0	0	0	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	wt	Intact	p.L2257V	p.R132H	wt
246	Anaplastic astrocytoma, IDH-wild, grade III	NEC	Female	77	1	0	1	0	Intact	wt	Intact	wt	Intact	Intact	wt	Intact	wt	Intact	p.Q1891*	Intact	wt	wt	wt
247	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	58	7	0	7	0	Intact	wt	Intact	wt	Intact	Intact	p.R233*	Intact	wt	Hetloss	p.Y489*	Intact	wt	wt	c.-124C>T
248	Anaplastic astrocytoma, IDH-mut, grade III	Astrocytoma, IDH-mut, grade 3	Female	34	6	0	6	0	Intact	wt	Intact	wt	Intact	Intact	wt	Homdel	wt	Intact	wt	Intact	wt	p.R132H	wt
249	Anaplastic astrocytoma, IDH-wild, grade III	GBM, IDH-wild, grade 4	Female	47	4	0	4	0	Intact	wt	Amp	p.P772_C775dup	Homdel	Homdel	wt	Homdel	wt	Intact	wt	Homdel	wt	wt	c.-124C>T