

Supplementary Data

TMA Samples Database

Sample	Sex	Age at Diagnosis (years)	Location	Resection Partial/Complete	Sample taken pre/post treatment	Diagnosis	Treatment	Survival Time (Months)
1	M	2.3	Parietal lobe	Subtotal	Pre-treatment	GBM	CT	3
2					Pre-treatment	GBM		
3	F	8.1	Frontal lobe	Subtotal		SC GBM		3
4	F	14.3	Parietal lobe	Subtotal	Pre-treatment	GBM	CT+RT	20
5	F	4.3	Temporal lobe	Complete	Pre-treatment	GBM	CT+RT	24
6	F	9.2	Frontal lobe	Biopsy		GBM	CT+RT	29
7	F	4.3	Parietal lobe	Subtotal	Pre-treatment	GBM	RT	30
8	M	1.1	Parietal lobe	Subtotal	Pre-treatment	GBM		
9	M	4.7	Occipital lobe	Subtotal	Pre-treatment	GBM	CT+RT	4
10	M	9.3	Frontal lobe	Complete	Pre-treatment	GBM	CT+RT	29
11	M			Subtotal		GBM		
12	M	10.2	Temporal lobe	Complete	Pre-treatment	GBM	CT+RT	7
13	M	2.9	Frontal lobe	Complete	Pre-treatment	GBM	CT	15
14	F	3.6	Frontal lobe	Subtotal	Pre-treatment	GC GBM	CT	
15	M	7.3	Thalamus	Subtotal	Pre-treatment	GBM	RT	
16	M	9.8	Frontal lobe	Subtotal	Pre-treatment	GBM	CT+RT	12
17	M	6.7	Frontal lobe	Subtotal	Pre-	AA	RT	7

					treatment			
18	M	8.4	Brain Stem/Pons	Biopsy	Pre-treatment	GBM		2
19	M	10.9	Frontal lobe	Complete	Pre-treatment	GBM	CT+RT	4
20	M		Frontal lobe	Subtotal	Pre-treatment	AA		3
21	M	4.8	Brain Stem/Pons	Biopsy	Pre-treatment	GBM	RT	6
22	M	10.1	Cerebral	Subtotal	Pre-treatment	GBM	CT+RT	
23	M					GBM		
24	M					GBM		
25	F	8.5	Thalamus	Biopsy	Pre-treatment	AA	CT+RT	15
26	F	4.5	Frontal lobe	Complete	Pre-treatment	GBM	CT+RT	20
27	F		Frontal lobe	Complete		GBM		
28	F	3.3	Temporal lobe	Subtotal	Pre-treatment	HGG		3
29	M	12.3	Brain Stem/Pons	Biopsy	Pre-treatment	GBM	RT	8
30	F	7.6	Thalamus		Pre-treatment	AA		0
31	F		Parietal lobe		Pre-treatment	GBM		0
32	F	4.3	Temporal lobe	Complete	Pre-treatment	GBM	CT+RT	24
33	M	7.7	Pineal Gland	Biopsy	Pre-treatment	GBM	CT	5
34	M		Pineal Gland	Subtotal		GBM		
35	M	12.8	Thalamus	Subtotal	Pre-treatment	GBM	CT+RT	
36	M					GBM		
37	M	7.3	Brain Stem/Pons	Biopsy	Pre-treatment	GBM	CT+RT	10
38	M		Frontal lobe	Complete		GBM	RT	

39	M		Frontal lobe			GBM		
40	F		Frontal lobe	Partial	Pre-treatment	GC GBM		
41	M	9.0	Temporal lobe	Subtotal	Pre-treatment	AA		
42	M		Temporal lobe	Complete		AA	CT	
43	M	0.1	Cerebral	Subtotal	Pre-treatment	GBM		4
44	F	5.6	Brain Stem/Pons	Biopsy	Pre-treatment	GBM	CT	11
45	F	5.7	Brain Stem/Pons	Subtotal	Pre-treatment	GBM		5
46	M	14.1	Cerebral	Subtotal	Pre-treatment	GBM	RT	
47			Cerebral	Subtotal		GBM	CT	
48	M	1.0	Cerebral	Biopsy	Pre-treatment	GBM	CT	27
49	M	2.4	Cerebral	Complete		GBM	CT	10
50	M	2.5	Cerebral	Complete		GBM	CT	9
51	M	2.8	Cerebral	Complete	Pre-treatment	AA	CT	
52	F	2.0	Cerebral	Subtotal	Pre-treatment	AA	CT	
53	M	5.8	Cerebral	Complete	Pre-treatment	GBM	CT+RT	5
54	M	5.8	Cerebral	Complete	Pre-treatment	GBM	CT+RT	5
55	M	7.3	Cerebrum	Complete	Post-treatment	GB<	CT+RT	6
56	M	3.8	Cerebral	Biopsy	Pre-treatment	GBM	CT	5
57	M	4.3	Brain	Biopsy	Pre-treatment	Gliomatosis cerebri grade III	CT	16
58	F	8.1	Cerebral			GBM		
59	M	13.1	Cerebral			Gliomatosis cerebri grade III		
60	M	1.8	Brain	Biopsy	Pre-	GBM	CT	3

					treatment			
61	M	4.0	Cerebral	Subtotal	Pre-treatment	GBM	CT	3
62	M	0.5	Cerebral	Biopsy	Pre-treatment	GBM		
63	M	6.5	Cerebral	Complete	Post-treatment	GBM	CT+RT	12
64	F	12.3	Brain	Biopsy	Pre-treatment	AA	CT+RT	
65	F	16.3	Brain	Biopsy	Pre-treatment	GBM	CT+RT	15
66	F	14.1	Cerebral	Complete	Pre-treatment	GBM	CT+RT	8
67	F	0.7	Brain stem	Biopsy	Pre-treatment	AA	CT+RT	89
68	F	1.2	Posterior fossa	Subtotal	Pre-treatment	GBM	CT	
69	F	10.6	Brain stem	Biopsy	Pre-treatment	AA	CT+RT	18
70	F	15.3				GBM		
71	F	4.6		Biopsy	Pre-treatment	small cell GBM		
72	M	10.1	Brain	Biopsy	Pre-treatment	AA	CT+RT	10
73	M	4.3	Spine	Complete	Pre-treatment	GBM	CT+RT	
74	F	18.8	Cerebral	Subtotal	Pre-treatment	AA		
75	M	0.0	Brain	Biopsy	Pre-treatment	AA	CT	
76	F	6.7	Cerebral	Subtotal	Post-treatment	GBM	RT	24
77	M	-	R occipital lobe	Subtotal		GBM	CT	
78	M		R parietal lobe	Complete	Pre-treatment	small cell GBM	RT	
79	F		Temporal parietal lobe	Biopsy	Post-treatment	GBM	RT	

80	M	16.6	Cerebellum	Complete	Pre-treatment	GBM	CT	
81		0.0			Pre-treatment	GBM		
82	F		Hypothalamic	Subtotal	Pre-treatment	GBM	CT	
83	M		Brainstem	Complete	Pre-treatment	GBM	RT	
84	M		Temporal lobe	Complete	Post-treatment	AA	CT	
85	M	6.7	Frontal lobe	Subtotal	Pre-treatment	GBM	RT	7
86	M		Cerebellum	Biopsy	Pre-treatment	AA	RT	
87	F		Thalamus/midbrain	Biopsy	Pre-treatment	AA	RT	
88	M		Spinal cord	Complete	Pre-treatment	GBM	RT	
89	M	10.7	L Parietal lobe	Complete	Pre-treatment	AA	CT+RT	
90	M		Brain stem	Biopsy	Pre-treatment	LGA	-	
91	F		Brainstem	Biopsy	Pre-treatment	BSG	CT+RT	
92	M		brainstem	Biopsy	Pre-treatment	AO	-	
93	M		Brain stem	Subtotal	Pre-treatment	BSG	At LRI	
94	M		Cerebral	Subtotal	Pre-treatment	AA	CT+RT	
95	F		Brain stem	Biopsy	Pre-treatment	BSG		
96	M		Cerebellum/brainstem	Complete	Pre-treatment	BSG	-	
97	F		Brain stem	Biopsy	Pre-treatment	BSG	RT	
98	M			Subtotal	Pre-treatment	BSG	-	

					treatment			
99	M		Cerebral	Complete	Pre-treatment	AA	RT	
100	F		Brain stem	Biopsy	Pre-treatment	LGA	-	
101	M	0.7	Brain stem		Pre-treatment	BSG	CT	
102	F		Brain stem	Biopsy	Pre-treatment	LGA	CT+RT	
103	F		Cerebral	Complete	Pre-treatment	AO	CT	
104				Complete	Post-treatment	LGA	-	
105	M	7.0	Cerebral	Complete	Pre-treatment	Anaplastic pleomorphic xantroastrocytoma	RT	
106	F	14.0	R Parieto-occipital lobe	Subtotal	Pre-treatment	AO	CT+RT	
107	M	17.1	L Basal Ganglia	Biopsy	Pre-treatment	AA	CT	
108	M	18.9	R Frontal lobe	Subtotal	Pre-treatment	GBM	CT+RT	
109	M	12.0	L Parietal lobe	Subtotal	Pre-treatment	GBM	CT+RT	
110	M	12.5	Brain stem	Biopsy		BSG	-	
111	M	13.0	Brain stem	Biopsy	Pre-treatment	BSG	RT	
112	M	19.6	Brain stem	Biopsy	Pre-treatment	BSG	CT+RT	
113	M	12.6	Brain stem/cerebellum	Biopsy	Pre-treatment	BSG	CT+RT	
114	F	3.8	Brain stem	Biopsy	Pre-treatment	BSG	RT	
115	M	3.3	Brain stem	Subtotal	Pre-treatment	BSG	RT	
116	F	5.8	Chiasm	Subtotal	Pre-treatment	GBM	CT	>70

117		0.0				GBM		
118	M	2.7	Frontal lobe	Subtotal	Pre-treatment	AO	CT+RT	>46
119	M	0.6	Frontal lobe	Biopsy	Pre-treatment	GBM	CT	1
120		0.0				Gliomatosis cerebri III		
121	F	2.4	Frontal lobe	Subtotal	Pre-treatment	AA	CT	>88
122		0.0				AO		
123	M	16.7	Parietal lobe	Complete	Pre-treatment	GBM	RT	>34
124	M	5.2	Suprasellar	Biopsy	Pre-treatment	AA		
125	F	5.5	Suprasellar	Complete	Pre-treatment	AA		
126	M	10.3	Frontal lobe	Biopsy	Post-treatment	GBM		
127	M	17.3	Frontal lobe	Biopsy	Pre-treatment	AO		
128	F	7.3	Posterior Fossa	Biopsy	Pre-treatment	AO		
129	M	8.4	Brain Stem/Pons	Biopsy	Pre-treatment	GBM		2
130	F	5.7	Brain Stem/Pons	Subtotal	Pre-treatment	GBM		5
131	M	7.3	Brain Stem/Pons	Biopsy	Pre-treatment	GBM	CT+RT	10
132	M	9.8	Suprasellar (corpus callosum)	Biopsy	Pre-treatment	AA	CT	
133	F	15.7	Diffuse right frontal lobe	Biopsy	Pre-treatment	AA	CT	
134		0.0				GBM		
135		0.0			Pre-treatment	GBM		
136		0.0				AO		
137	M	1.6	right fronto-temporal		Pre-	AO		

			lobe		treatment			
138		2.6			Post-treatment	AO		
139		3.1				AO		
140						DIPG		