

Table SI. Main clinicopathological characteristics of samples from three gene chips.

Data source	GEO accession	Sample name	Tumor grade	Age	Sex
GSE25631	GSM629768	Human glioblastoma	WHO grade IV	44	Female
	GSM629769	Human glioblastoma	WHO grade IV	22	Female
	GSM629770	Human glioblastoma	WHO grade IV	60	Male
	GSM629771	Human glioblastoma	WHO grade IV	49	Male
	GSM629772	Human glioblastoma	WHO grade IV	61	Male
	GSM629773	Human glioblastoma	WHO grade IV	21	Male
	GSM629774	Human glioblastoma	WHO grade IV	48	Male
	GSM629775	Human glioblastoma	WHO grade IV	17	Male
	GSM629776	Human glioblastoma	WHO grade IV	54	Male
	GSM629777	Human glioblastoma	WHO grade IV	51	Female
	GSM629778	Human glioblastoma	WHO grade IV	60	Male
	GSM629779	Human glioblastoma	WHO grade IV	54	Male
	GSM629780	Human glioblastoma	WHO grade IV	52	Male
	GSM629781	Human glioblastoma	WHO grade IV	36	Female
	GSM629782	Human glioblastoma	WHO grade IV	36	Female
	GSM629783	Human glioblastoma	WHO grade IV	17	Male
	GSM629784	Human glioblastoma	WHO grade IV	60	Male
	GSM629785	Human glioblastoma	WHO grade IV	57	Female
	GSM629786	Human glioblastoma	WHO grade IV	38	Male
	GSM629787	Human glioblastoma	WHO grade IV	47	Female
	GSM629788	Human glioblastoma	WHO grade IV	51	Male
	GSM629789	Human glioblastoma	WHO grade IV	49	Male
	GSM629790	Human glioblastoma	WHO grade IV	40	Male
	GSM629791	Human glioblastoma	WHO grade IV	65	Male
	GSM629792	Human glioblastoma	WHO grade IV	68	Female
	GSM629793	Human glioblastoma	WHO grade IV	48	Female
	GSM629794	Human glioblastoma	WHO grade IV	12	Male
	GSM629795	Human glioblastoma	WHO grade IV	37	Male
	GSM629796	Human glioblastoma	WHO grade IV	51	Male
	GSM629797	Human glioblastoma	WHO grade IV	32	Male
	GSM629798	Human glioblastoma	WHO grade IV	54	Male
	GSM629799	Human glioblastoma	WHO grade IV	55	Male
	GSM629800	Human glioblastoma	WHO grade IV	63	Male
	GSM629801	Human glioblastoma	WHO grade IV	43	Female
	GSM629802	Human glioblastoma	WHO grade IV	55	Male
	GSM629803	Human glioblastoma	WHO grade IV	40	Female
	GSM629804	Human glioblastoma	WHO grade IV	37	Male
	GSM629805	Human glioblastoma	WHO grade IV	59	Male
	GSM629806	Human glioblastoma	WHO grade IV	55	Female
	GSM629807	Human glioblastoma	WHO grade IV	41	Male
	GSM629808	Human glioblastoma	WHO grade IV	52	Male
	GSM629809	Human glioblastoma	WHO grade IV	59	Male
	GSM629810	Human glioblastoma	WHO grade IV	49	Female
	GSM629811	Human glioblastoma	WHO grade IV	44	Female
	GSM629812	Human glioblastoma	WHO grade IV	45	Male
	GSM629813	Human glioblastoma	WHO grade IV	49	Female
	GSM629814	Human glioblastoma	WHO grade IV	54	Male
	GSM629815	Human glioblastoma	WHO grade IV	52	Male
	GSM629816	Human glioblastoma	WHO grade IV	42	Male
	GSM629817	Human glioblastoma	WHO grade IV	45	Female
GSM629818	Human glioblastoma	WHO grade IV	57	Male	
GSM629819	Human glioblastoma	WHO grade IV	17	Male	
GSM629820	Human glioblastoma	WHO grade IV	53	Male	
GSM629821	Human glioblastoma	WHO grade IV	24	Female	
GSM629822	Human glioblastoma	WHO grade IV	63	Male	
GSM629823	Human glioblastoma	WHO grade IV	56	Male	

Table SI. Continued.

Data source	GEO accession	Sample name	Tumor grade	Age	Sex
	GSM629824	Human glioblastoma	WHO grade IV	48	Male
	GSM629825	Human glioblastoma	WHO grade IV	54	Female
	GSM629826	Human glioblastoma	WHO grade IV	33	Female
	GSM629827	Human glioblastoma	WHO grade IV	62	Male
	GSM629828	Human glioblastoma	WHO grade IV	70	Female
	GSM629829	Human glioblastoma	WHO grade IV	61	Male
	GSM629830	Human glioblastoma	WHO grade IV	37	Male
	GSM629831	Human glioblastoma	WHO grade IV	39	Female
	GSM629832	Human glioblastoma	WHO grade IV	22	Female
	GSM629833	Human glioblastoma	WHO grade IV	33	Male
	GSM629834	Human glioblastoma	WHO grade IV	61	Male
	GSM629835	Human glioblastoma	WHO grade IV	34	Male
	GSM629836	Human glioblastoma	WHO grade IV	30	Male
	GSM629837	Human glioblastoma	WHO grade IV	35	Female
	GSM629838	Human glioblastoma	WHO grade IV	39	Female
	GSM629839	Human glioblastoma	WHO grade IV	61	Female
	GSM629840	Human glioblastoma	WHO grade IV	36	Male
	GSM629841	Human glioblastoma	WHO grade IV	56	Male
	GSM629842	Human glioblastoma	WHO grade IV	59	Male
	GSM629843	Human glioblastoma	WHO grade IV	37	Male
	GSM629844	Human glioblastoma	WHO grade IV	28	Female
	GSM629845	Human glioblastoma	WHO grade IV	32	Female
	GSM629846	Human glioblastoma	WHO grade IV	46	Male
	GSM629847	Human glioblastoma	WHO grade IV	62	Male
	GSM629848	Human glioblastoma	WHO grade IV	45	Female
	GSM629849	Human glioblastoma	WHO grade IV	47	Male
	GSM629850	Human normal brain			
	GSM629851	Human normal brain			
	GSM629852	Human normal brain			
	GSM629853	Human normal brain			
	GSM629854	Human normal brain			
GSE42651	GSM1047488	Glioblastoma	WHO grade IV	15	Female
	GSM1047489	Glioblastoma	WHO grade IV	10	Male
	GSM1047490	Glioblastoma	WHO grade IV	4	Female
	GSM1047491	Glioblastoma	WHO grade IV	10	Female
	GSM1047492	Glioblastoma	WHO grade IV	7	Female
	GSM1047525	Adult control cerebellum		22	Male
	GSM1047526	Adult control frontal lobe		41	Male
	GSM1047527	Adult control cerebellum		21	Male
	GSM1047528	Adult control cerebellum		26	Male
	GSM1047529	Adult control frontal lobe		82	Male
	GSM1047530	Adult control frontal lobe		25	Male
	GSM1047531	Adult control frontal lobe		27	Male
GSE61710	GSM1511526	Human malignant glioma	WHO grade IV	59	Male
	GSM1511527	Human normal brain			
	GSM1511528	Glioma peritumoral tissue	Peritumoral area of WHO grade III	56	Female
	GSM1511529	Malignant glioma tissue	WHO grade IV	56	Female
	GSM1511530	Malignant glioma tissue	WHO grade IV	32	Female
	GSM1511531	Malignant glioma tissue	WHO grade IV	54	Female
	GSM1511532	Malignant glioma tissue	WHO grade IV	70	Female
	GSM1511533	Glioma peritumoral tissue	Peritumoral area of WHO grade III	30	Male
	GSM1511534	Glioma peritumoral tissue	Peritumoral area of WHO grade IV	70	Male
	GSM1511537	Malignant glioma tissue	WHO grade IV	60	Male
	GSM1511538	Malignant glioma tissue	WHO grade IV	57	Male

Table SI. Continued.

Data source	GEO accession	Sample name	Tumor grade	Age	Sex
	GSM1511539	Malignant glioma tissue	WHO grade IV	58	Male
	GSM1511540	Malignant glioma tissue	WHO grade IV	50	Male
	GSM1511541	Glioma peritumoral tissue	Peritumoral area of WHO grade III	68	Male
	GSM1511542	Malignant glioma tissue	WHO grade IV	53	Male

Table SII. Main clinical characteristics of samples used for immunohistochemistry by The Human Atlas.

Protein	Cinical characteristics	Normal control	Tumor
CDK6	Patient ID	1,609	1,548
	Age	62	75
	Sex	Male	Male
RB1	Patient ID	1,582	3,090
	Age	30	33
	Sex	Female	Male
NRAS	Patient ID	3,739	3,091
	Age	70	71
	Sex	Male	Male
PDGFRA	Patient ID	1,582	3,326
	Age	30	34
	Sex	Female	Male
CAMK2G	Patient ID	3,739	122
	Age	70	32
	Sex	Male	Female
CAMK2B	Patient ID	3,731	1,587
	Age	37	36
	Sex	Male	Female
PRKCB	Patient ID	1,609	2,837
	Age	62	58
	Sex	Male	Male
CALM3	Patient ID	3,732	122
	Age	64	32
	Sex	Female	Female

CDK6, cyclin-dependent kinase 6; RB1, retinoblastoma-associated protein; NRAS, GTPase NRas; PDGFRA, platelet-derived growth factor receptor alpha; CAMK2G, calcium/calmodulin-dependent protein kinase type II subunit gamma; CAMK2B, calcium/calmodulin-dependent protein kinase type II subunit beta; PRKCB, protein kinase C beta type; CALM3, calmodulin 3.