

S4 Table. Copy number variation results of clinical next-generation sequencing glioma panel

Patients	Gene	Chr	Start	End	CNV	AvgL2R	Region	Good region	Alt region	CN
DMG14	<i>CDK4</i>	chr12	58141266	58149915	Amplification	1.372	9	8	8	7
	<i>MDM2</i>	chr12	69202074	69233741	Gain	1.267	12	12	12	6
DMG19	<i>TP53</i>	chr17	7569431	7580065	Loss	-0.666	0.91	0.09	0	1
	<i>KDM6A</i>	chrX	44732562	44970831	Loss	-0.635	0.68	0.19	0.13	1
	<i>STAG2</i>	chrX	123156309	123234625	Loss	-0.672	0.62	0.38	0	1
	<i>ADGRG4</i>	chrX	135390781	135498821	Loss	-0.664	0.75	0.25	0	1
DMG25	<i>MYCN</i>	chr2	16080566	16086340	Amplification	2.025	6	6	6	10
	<i>PDGFRA</i>	chr4	55124763	55161585	Amplification	1.458	23	23	23	7
DMG27	<i>KIT</i>	chr4	55524024	55604878	Amplification	1.463	19	19	19	7
	<i>KDM6A</i>	chrX	44732562	44970831	Loss	-0.957	0.82	0.15	0.03	1
	<i>ADGRG4</i>	chrX	135390781	135498821	Loss	-0.658	0.69	0.29	0.02	1
DMG29	<i>PDGFRA</i>	chr4	55124763	55161585	Amplification	1.922	23	23	23	9
	<i>KIT</i>	chr4	55524024	55604878	Amplification	1.629	19	19	19	8
DMG30	<i>NF2</i>	chr22	29999824	30090955	Loss	-0.472	17	17	13	1
	<i>GLI1</i>	chr12	57857334	57865971	Gain	1.135	10	10	10	6
	<i>CDK4</i>	chr12	58141266	58149915	Amplification	1.529	9	8	8	7
DMG31	<i>MDM2</i>	chr12	69202074	69233741	Amplification	2.624	12	12	12	14
	<i>PDGFRA</i>	chr4	55124763	55161585	Gain	1.931	0	0	1	6

	<i>KIT</i>	chr4	55524024	55604878	Gain	2.096	0	0	1	6
	<i>CDK6</i>	chr7	92244306	92462766	Amplification	1.872	0	0	1	7
	<i>RBI</i>	chr13	48877814	49054360	Loss	-1.436	1	0	0	1
	<i>TP53</i>	chr17	7569431	7580065	Loss	-1.279	1	0	0	1
	<i>PIK3R1</i>	chr5	67522390	67593554	Loss	-0.725	0.95	0.05	0	1
	<i>PDGFRB</i>	chr5	149495197	149516780	Loss	-0.776	1	0	0	1
DMG33	<i>FGFR4</i>	chr5	176516458	176524822	Loss	-0.985	1	0	0	1
	<i>RBI</i>	chr13	48877814	49054360	Loss	-2.163	0.84	0.16	0	1
	<i>TP53</i>	chr17	7569431	7580065	Loss	-0.944	0.91	0.09	0	1
	<i>NF1</i>	chr17	29422197	29706117	Loss	-0.714	0.68	0.3	0.02	1
	<i>SDHC</i>	chr1	161284015	161332444	Amplification	0.973	7	7	7	12
DMG34	<i>MDM4</i>	chr1	204494495	204527978	Amplification	1.081	14	14	14	15
	<i>H3F3A</i>	chr1	226251896	226259335	Amplification	0.878	3	3	3	10
	<i>AKT3</i>	chr1	243662876	244006639	Amplification	1.193	14	14	14	17
	<i>NOTCH2</i>	chr1	120457802	120612159	Loss	-0.639	0.87	0.13	0	1
	<i>FGFR3</i>	chr4	1795542	1809120	Loss	-0.815	0.94	0.06	0	1
	<i>FAT1</i>	chr4	187509629	187631098	Loss	-0.825	0.92	0.08	0	1
DMG31(Post)	<i>PDZD2</i>	chr5	31799223	32108377	Loss	-0.741	0.95	0.05	0	1
	<i>PRDM6</i>	chr5	122425524	122523057	Loss	-0.607	0.86	0.14	0	1
	<i>PDGFRB</i>	chr5	149495197	149516780	Loss	-0.842	1	0	0	1
	<i>FGFR4</i>	chr5	176516458	176524822	Loss	-1.396	1	0	0	1

ARID1B	chr6	157098904	157529162	Loss	-0.856	0.93	0.07	0	1
PMS2	chr7	6012881	6048828	Loss	-1.069	0.82	0.18	0	1
EGFR	chr7	55086570	55275189	Loss	-0.841	0.94	0.06	0	1
CDK6	chr7	92244306	92462766	Amplification	2.652	0	0	1	7
HRAS	chr11	532475	534486	Loss	-0.712	1	0	0	1
FGF6	chr12	4543248	4554873	Loss	-0.619	1	0	0	1
KMT2D	chr12	49415418	49449272	Loss	-0.961	1	0	0	1
STAT6	chr12	57489054	57505363	Loss	-0.876	0.98	0.02	0	1
GLI1	chr12	57857334	57865971	Loss	-0.851	1	0	0	1
CDK4	chr12	58131655	58149920	Loss	-0.741	0.95	0.05	0	1
TSC2	chr16	2098082	2138748	Loss	-0.682	0.98	0.02	0	1
TRAF7	chr16	2213771	2226757	Loss	-0.762	1	0	0	1
MAPK3	chr16	30127829	30134612	Loss	-0.596	1	0	0	1
GNAS	chr20	57415040	57486030	Loss	-0.849	0.95	0.05	0	1
DIDO1	chr20	61510455	61543094	Loss	-0.981	1	0	0	1
