

**Supplementary Table 1. Characteristics of patients in class 1 and class 2 in CGGA cohort.**

<b>Characteristics</b>	<b>n</b>	<b>Class 1</b>	<b>Class 2</b>	<b>P-value</b>
<b>Total Cases</b>	309	185	124	
<b>Age</b>				
≤43	166	80	86	<b>&lt;0.001</b>
>43	143	105	38	
<b>Gender</b>				
Male	194	120	74	0.401
Female	115	65	50	
<b>Subtype</b>				
Classical	69	64	5	<b>&lt;0.001</b>
Mesenchymal	65	65	0	
Proneural	99	44	55	
Neural	76	12	64	
<b>Grade</b>				
II	104	17	87	<b>&lt;0.001</b>
III	67	41	26	
IV	138	127	11	
<b>IDH</b>				
Mut	155	51	104	<b>&lt;0.001</b>
WT	154	134	20	
<b>MGMT promoter</b>				
Methylated	136	79	57	<b>&lt;0.001</b>
Unmethylated	111	81	30	
NA	62	25	37	

IDH = isocitrate dehydrogenase; MGMT = methylguanine methyltransferase.