There was a distinct DNA copy number variations (CNV) signal in chromosome 2 especially in Gliosarcoma. The pathway enrichment of genes with CNV was suggested that the GBM and GSM shared the similar mechanism of tumor development. However, the CNV of some screened genes displayed a disparate form between GBM and GSM, such as AMP, BEND2, HDAC6, FOXP3, ZBTB33, TFE3, and VEGFD. It meant that GSM was a distinct subgroup possessing typical biomarkers. The pathways and copy number alterations detected in this study may represent key drivers in gliosarcoma oncogenesis and may provide a starting point toward targeted oncologic analysis with therapeutic potential [1)]

1)
Cheng CD, Chen C, Wang L, Dong YF, Yang Y, Chen YN, Niu WX, Wang WC, Liu QS, Niu CS. Gliosarcoma: The Distinct Genomic Alterations Identified by Comprehensive Analysis of Copy Number Variations. Anal Cell Pathol (Amst). 2022 Jun 15;2022:2376288. doi: 10.1155/2022/2376288. PMID: 35757013; PMCID: PMC9226978.