

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Supplementary Table 3. Catalogue of all CNVs, SVs, neoloops, and gene fusion events identified using EagleC or hicbreakfinder to Hi-C data from all GSCs.

File Name: Supplementary Data 2

Description: Catalogue of all GBM-associated genes ( $\text{gda} > 0.01$ ) associated with CNVs and EagleC- or hicbreakfinder-deduced SVs in GSC sample pairs.