

Supplementary Figures

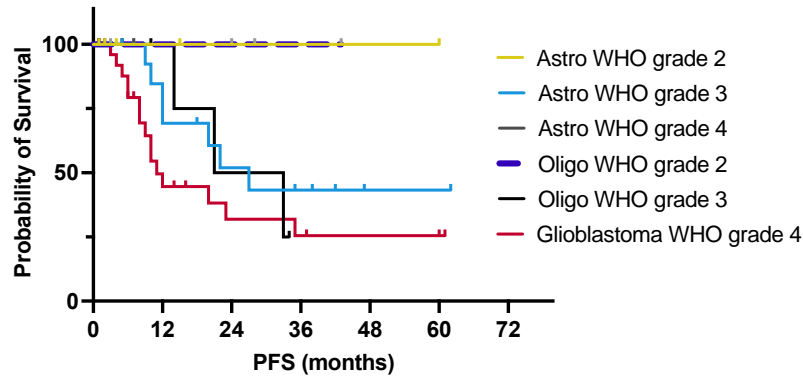


Figure S1: Kaplan Meier progression-free-survival (PFS) curves of the 72 patients of the discovery cohort. As expected IDH^{wt} GBM patients WHO grade 4 had the shortest PFS, whereas IDH^{mut} astrocytoma WHO grade 2 patient had the longest PFS.

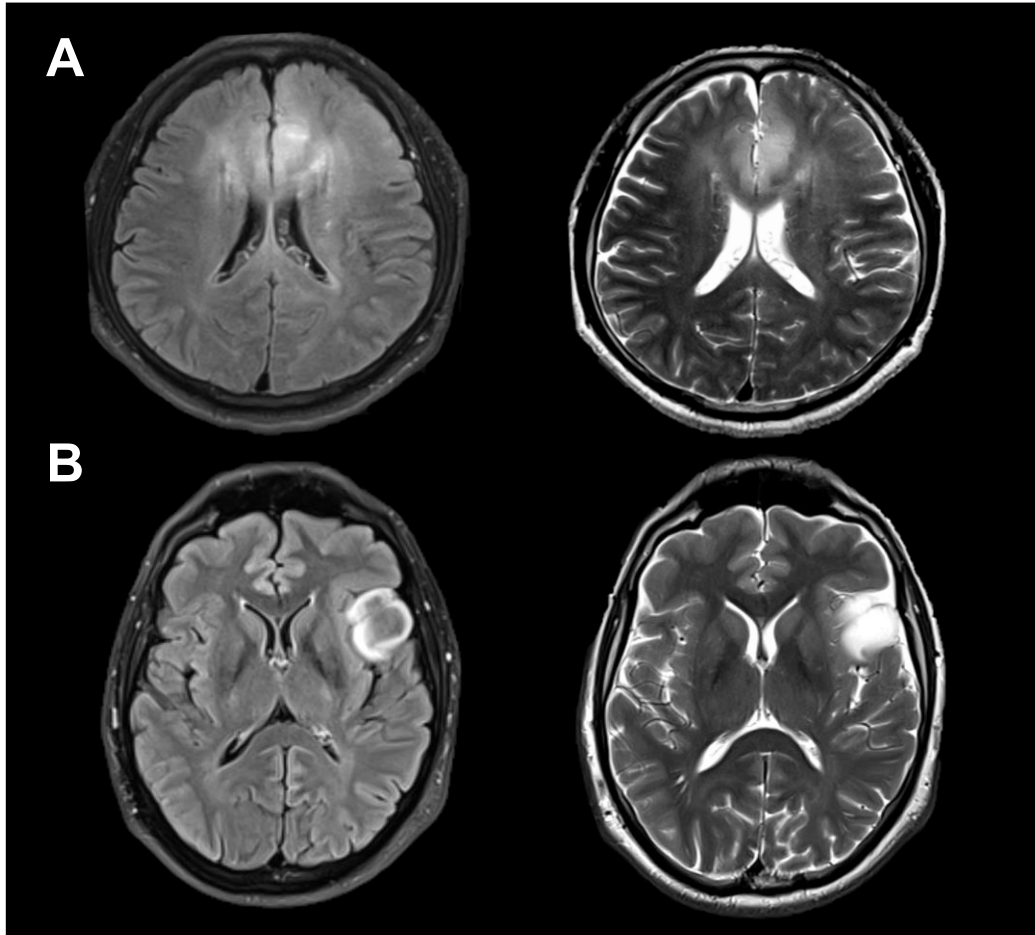


Figure S2. Two exemplary patients where the RENEG score is applied. **A.** 46-year-old male patient with an incidental bifrontal non-enhancing FLAIR lesion. A watch and wait strategy was adopted and the lesion was observed for three years until MRI progression. It involved the SVZ and had no T2/FLAIR mismatch sign therefore yielding a RENEG score of 0.61 making the lesion very likely to be classified as malignant. Indeed, postoperative histology revealed an IDH^{wt} GBM WHO grade 4. **B.** 54-year-old male patient presenting with headaches. The frontal lesion was positive for the T2/FLAIR mismatch sign and did not contact the SVZ. Therefore, the calculated RENEG score is 0.19, making it very unlikely of being malignant. This was confirmed by histology (IDH^{mut} astrocytoma WHO grade 2).