RTK / PI3K signaling altered in 88% of glioblastoma samples

PI3K class 1 / AKT signaling altered in 48%

PI3K class 2 signaling altered in 12%

P53 signaling altered in 86%

RB signaling altered in 78%

Signaling pathway alterations in glioblastoma based on mutations and copy number changes in 91 samples.

Frequencies of alterations by mutation or copy-number alteration (high-level amplifications and homozygous deletions) of genes in signaling pathways that are altered in glioblastoma. Amplifications and activating mutations are shown in shades of red and homozygous deletions and inactivating mutations are shown in shades of blue. Based on 91 samples with sequencing and copy-number data.