

There are facilities ([public](#) and [private](#)) that can perform comprehensive genetic testing (genetic panels) on tumor [specimens](#) to characterize the above entities and more, e.g. the Genomics Research Core at the University of Pittsburgh, or FoundationOne CDx. Brain-specific profiles are also marketed, e.g. NeoTYPE Brain Tumor Profile by NeoGenomics, Fort Myers, Florida, which includes: [ATRX](#), [BRAF](#), [EGFR](#), [IDH1](#), [IDH2](#), [MGMT](#) Promoter Methylation analysis (PCR), [PTEN](#), [TERT](#) Promoter, [TP53](#), [1p/19q co-deletion](#), and many others. Cost is on the order of \$2000–4000U.S., turnaround time $\approx$ 2 weeks.

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