Methylation profiling report

German Cancer Research Center in the Helmholtz Association · **Heidelberg University Hospital** · MolecularNeuropathology.org

General information

Sentrix ID:	**202273260157_R01C01**
Array type:	**EPIC**
Material type:	**KRYO DNA**
Gender:	**male**

Brain tumor methylation classifier results (v11b4)

Methylation classes (MCs with score >= 0.3)	Calibrated score	Interpretation	
methylation class meningioma	0.42	no match	✘

Legend: ✔ Match (score >= 0.9) ✘ No match (score < 0.9): possibly still relevant for low tumor content and low DNA quality cases. ● Match to MC family member (score >= 0.5)

Class descriptions

Methylation class meningioma: The methylation class "meningioma" mainly comprises tumors with the histological diagnosis meningioma WHO I but also tumors with the diagnosis of atypical meningioma WHO II and single cases of anaplastic meningioma WHO III. Location is typically with meningeal attachment; median age is 63 (range 29 to 93). This class likely consists of further subgroups which have not yet been precisely defined, some of which may show recurrent genetic alterations.
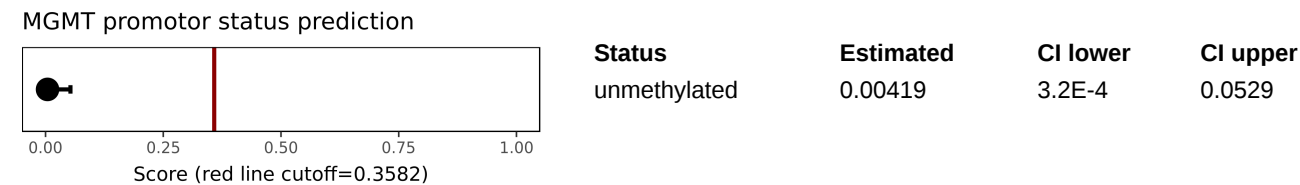
Copy number variation profile

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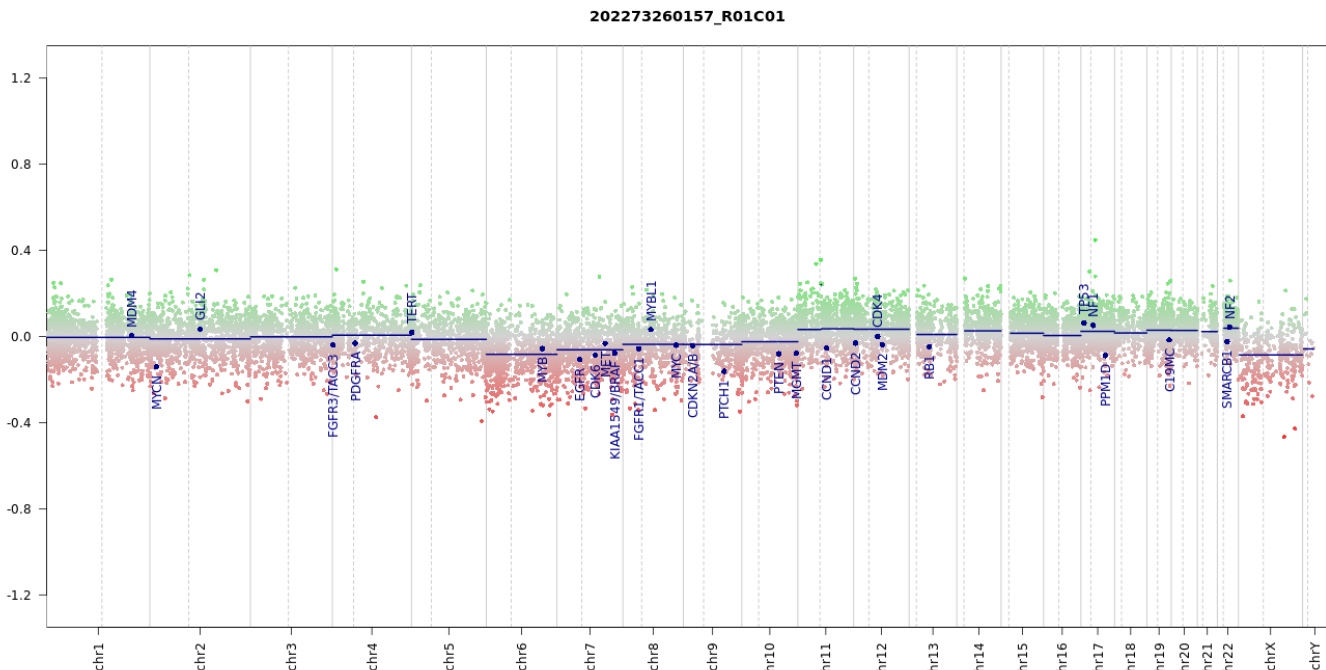
Depiction of chromosome 1 to 22 (and X/Y if automatic prediction was successful). Gains/amplifications represent positive, losses negative deviations from the baseline. 29 brain tumor relevant gene regions are highlighted for easier assessment.
(see Hovestadt & Zapatka, http://www.bioconductor.org/packages/devel/bioc/html/conumee.html)

MGMT promotor methylation (MGMT-STP27)

MGMT promotor status prediction

Score (red line cutoff=0.3582)

Status	Estimated	CI lower	CI upper
unmethylated	0.00419	3.2E-4	0.0529

(see Bady et al, J Mol Diagn 2016; 18(3):350-61)

Disclaimer

Classification using methylation profiling is a research tool under development, it is not verified and has not been clinically validated. Implementation of the results in a clinical setting is in the sole responsibility of the treating physician.
Intended for non-commercial use only.

Run information

Report: idat_reportBrain_v11b4 Version 2.0
Task version:

Task	Version
idat_qc	2.0
idat_predictBrain	2.1
idat_rs_gender	2.0
idat_predictMGMT	2.0
idat_cnvp	3.0