Methylation profiling report

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MolecularNeuropathology.org

Supplier information

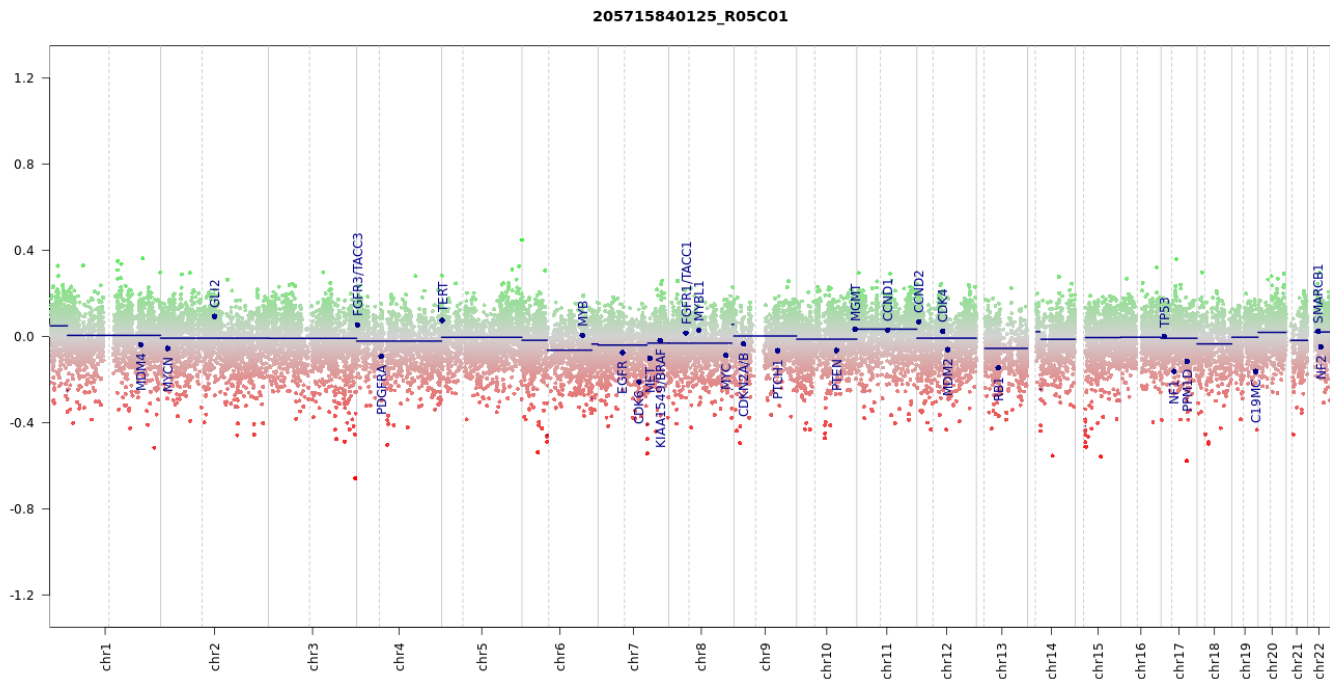|			
Sample identifier:	GCGR-NS17ST_A-NF1-GFP-LUC	**Automatic prediction**	
Sentrix ID:	205715840125_R05C01	Array type:	EPIC	
Material type:	DNA-KRYO	Material type:	DNA-KRYO	✔
Gender:	NA	Gender:	female	▮
Supplier diagnosis:	GBM	Legend: ✔ Ok	▮ Supplier information or prediction not available	✘ Warning, missmatch of prediction and supplier information

Brain tumor classifier results (11b4)

Methylation classes (MCs with score >= 0.3)	Score	Interpretation	
methylation class infantile hemispheric glioma	0.36	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 infantile hemispheric glioma: The methylation class "infantile hemispheric glioma" comprises tumors with widely varying morphology, commonly including features more typical of higher grade lesions especially glioblastoma. These tumors are located supratentorially, all cases so far were observed in infants; median age is 0 years (age range 0 to 1). Copy number alterations are scarce, and typical molecular features of this class are not currently known. The name given here is provisional.
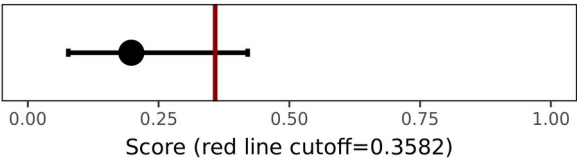
Copy number variation profile

205715840125_R05C01

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	0.19784	0.07738	0.42037

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

Disclaimer

Classification using methylation profiling is a tool/website for research use only, it is not verified and has not been clinically validated and, therefore, must not be used for diagnostic purposes. This tool/website is not HIPAA compliant.

Run information

Report: report_website_mnp_brain_v11b4_sample (Version 2.1)

Task version:

Task	Version
idat_preprocess	2.0.1
idat_qc	2.0.1
idat_predictBrain	2.0.1
idat_rs_gender	2.0.1
idat_cnvp	3.0.1
idat_mgmt	2.0.1
report_website_mnp_brain_v11b4_research	2.1
report_website_mnp_brain_v11b4_sample	2.1
idat_predictBrain	12.5