

Patient Name:	WEBSERVER VARIANT, Testing	Authorising Clinician Sandra ADUBEA, RN
Patient DOB:	14/10/1994	
Patient Gender:	Female	External requesting Location:
NHS Number:	Missing	
RMH MRN:	510804277	
External Patient ID:		

Multi-target NGS panel - small variant (NPM1, CEBPA, RUNX1, FLT3)

Test Directory Code M80.2

Interpretation

Please note, the JAK2 variant was detected in a previously reported bone marrow sample (MDx ID: 24SP-128M0062) from May 2024.

WT1 mutation is reported in approximately 15% of AML cases (DOI: 10.1182/blood-2022-166323). Please correlate with other clinical and pathological findings for further interpretation.

Please refer to other clinicopathological results for the interpretation of the focal deletion of the TP53 gene.

Please note the coverage was suboptimal for some regions analysed within KMT2A and STAT5B which may affect the sensitivity of the assay for detection of variants close to the limit of detection.

VARIANTS

Clinically Relevant Variants

Gene	DNA Change	Protein Change	Molecular Consequence	VAF	Supporting Reads	Transcript
JAK2	c.1849G>T	p.(Val617Phe)	Substitution	94.1%	1154	NM_004972.4
WT1	c.1473G>A	p.(Trp491Ter)	Substitution	27.8%	259	NM_024426.6

Structural and Copy Number Variants

Genomic Region	Molecular Consequence	VAF
TP53	Copy number loss	

No oncogenic/likely oncogenic variants detected: ABL1, ANKRD26, ASXL1, BCL2, BCOR, BCORL1, CALR, CBF, CBL, CEBPA, CSF1R, CSF3R, CUX1, DDX41, DNMT3A, ETNK1, ETV6, EZH2, FLT3, GATA1, GATA2, GNB1, HRAS, IDH1, IDH2, IKZF1, KIT, KMT2A, KRAS, MPL, MYC, MYCN, NF1, NFE2, NPM1, NRAS, PHF6, PPM1D, PRPF8, PTPN11, RAD21, RHOA, RUNX1, SETBP1, SF1, SF3B1, SH2B3, SMC3, SRSF2, STAG2, STAT3, STAT5B, TET2, TNFRSF14, U2AF1, UBA1, UBTF, ZRSR2.

Specialist Pathology Laboratory
The Royal Marsden NHS Foundation Trust
Downs Road, Sutton, SM2 5PT



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	Testing	Sandra ADUBEA, RN
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This custom capture panel is property of the Royal Marsden NHS Foundation Trust and has undergone clinical validation for the genomic regions listed in the HaemOnc DNA NGS Panel Specification, available at <https://www.royalmarsden.nhs.uk/services/genomics/nhs-healthcare-providers>. Full details of panel coverage, assay performance characteristics, and test limitations are also available at this location. For further information, please contact rmh-tr.moleculariagnostics@nhs.net.

Reported by

Clinical Scientist_1

Authorised by

Clinical Scientist_2

26SP-159M0008: Resulted by Clinical Genomics. Verified: 26/9/2026 10:04.

External Specimen ID:

See attached media documents:

Document 16/9/2026 13:18 Rmh_Interface_Webserver_Icr_V2

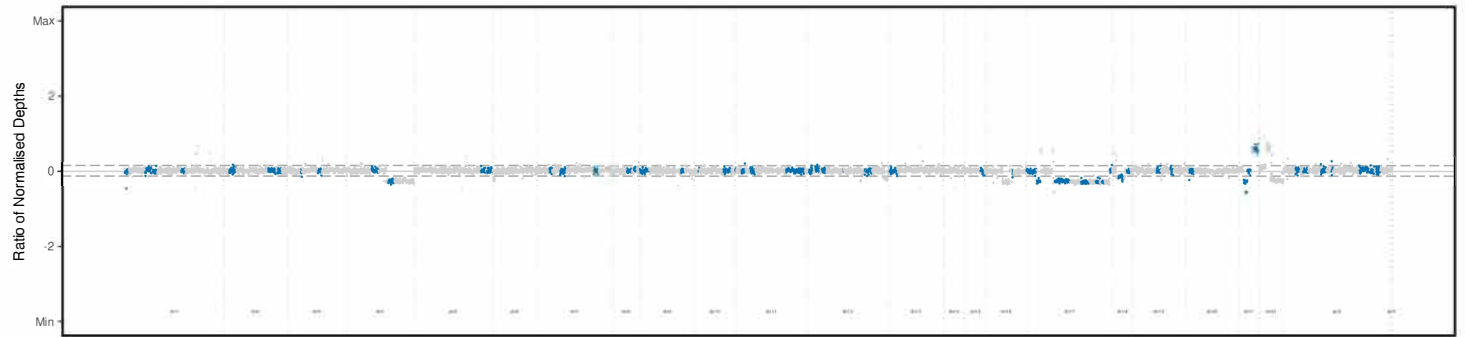
Resulting Labs

Clinical Genomics	RMH CLINICAL GENOMICS, A UKAS accredited medical laboratory No.8097, Downs Rd, Sutton, Surrey, SM2 5PT	020 8915 6565
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Specimen Details

	Type	Source	Collected	Received
26SP-159M0008	Blood		5/6/2026 18:06	8/6/2026 10:29

Please note that if this is part of an integrated request, there may be outstanding tests that may affect the interpretation of the currently released results. Please refer to the final integrated report for a final summary and diagnosis.



The copy number plot above presents copy number variation in sequential chromosomal order. Genes within the requested virtual panel are highlighted in blue.