



MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00227A REPORT

25 July 2025

CLINICAL SUMMARY

Sex: Male
Age: 84

HISTOPATHOLOGY

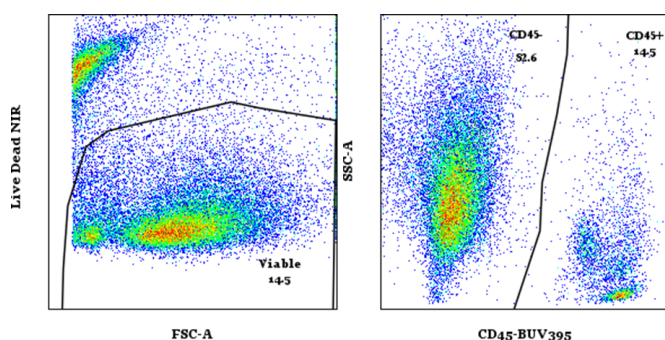
Specimen type: Skin
Tumour site: Right Shin
Tumour type: Melanoma
Tumour stage: Stage IV
Specimen tumour content: 80%

NEXT GENERATION GENOME/TRANSCRIPTOME DATA

Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 30,588,672 paired end, 9.24 Gbp
Tumour DNA: 63,566,479 paired end, 19.20 Gbp
Tumour RNA: 49,657,978 paired end, 15.00 Gbp

Top pathogenic somatic mutations			
Gene	Alteration	Allele Frequency	Function
MAP2K1	c.167A>C p.Q56P	54%	Gain
PTEN	c.405dupA p.C136Mfs*44	55%	Loss

FLOW CYTOMETRY TUMOUR DISSOCIATE ANALYSIS



Cell Type	(%) of subset
Viable Cells	77.2
Viable Cells>CD45-	82.6
Viable Cells>CD45+	14.5
Viable Cells>CD45+>B Cells	0.5
Viable Cells>CD45+>CD4+	23.3
Viable Cells>CD45+>CD8+	3.9