

MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00229A REPORT

29 July 2025

CLINICAL SUMMARY

Sex: Male
Age: 89

HISTOPATHOLOGY

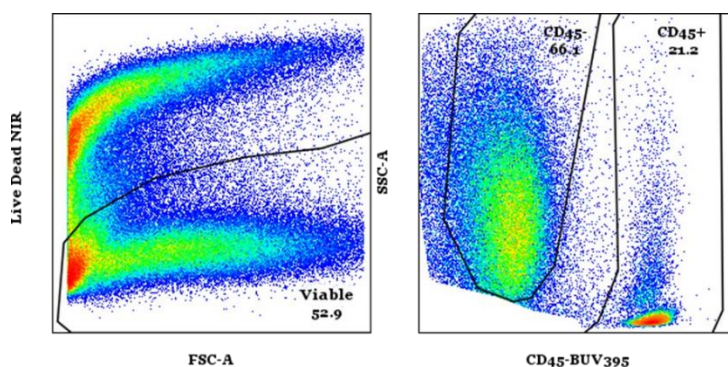
Specimen type: Skin
Tumour site: Left Thigh
Tumour type: Melanoma
Tumour stage: Stage IV
Specimen tumour content: 80%

NEXT GENERATION GENOME/TRANSCRIPTOME DATA

Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 26,767,365 paired end, 8.08 Gbp
Tumour DNA: 84,146,691 paired end, 25.41 Gbp
Tumour RNA: 52,674,087 paired end, 15.91 Gbp

Top pathogenic somatic mutations			
Gene	Alteration	Allele Frequency	Function
NRAS	c.181C>A p.Q61K	56%	Gain
TERT	c.-124C>T	63%	Gain

FLOW CYTOMETRY TUMOUR DISSOCIATE ANALYSIS



Cell Type	(%) of subset
Viable Cells	52.9
Viable Cells>CD45-	66.1
Viable Cells>CD45+	21.2
Viable Cells>CD45+>B Cells	1.0
Viable Cells>CD45+>CD4+	27.2
Viable Cells>CD45+>Tregs+	10.6