



MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00201A REPORT

30 JUNE 2025

CLINICAL SUMMARY

Sex: Female
Age: 49
Pre-operative radiotherapy: Unknown

HISTOPATHOLOGY

Specimen type: Chest Wall
Tumour site: M5 Left Chest
Tumour type: Melanoma
Tumour stage: Metastatic Melanoma

NEXT GENERATION GENOME/TRANSCRIPTOME DATA

Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 24,219,825 paired end, 7.31 Gbp
Tumour DNA: 61,128,888 paired end, 18.46 Gbp
Tumour RNA: 63,578,840 paired end, 19.20 Gbp

40% Tumour Content

Top pathogenic somatic mutations			
Gene	Alteration	Allele Frequency	Function
CDKN2A	c.458-1G>A	59%	Loss
FGFR2	E731K	45%	Gain
AKT3	E17K	18%	Gain
TERT	c.-124C>T	53%	Gain
NRAS	Q61K	49%	Gain

No Tumour Dissociates were banked from this sample