



MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00002A REPORT

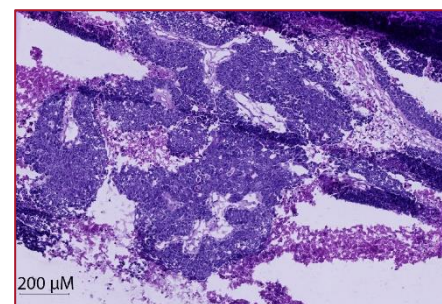
07 OCTOBER 2022

CLINICAL SUMMARY

Sex: Female
Age: 79
Pre-operative radiotherapy: Unknown

HISTOPATHOLOGY

Specimen type: Brain
Tumour site: Right Temporal
Tumour type: Temporal Brain Tumour - Metastatic Adenocarcinoma of Colorectal Origin
Tumour stage: Stage IV



50 - 70% Tumour Content

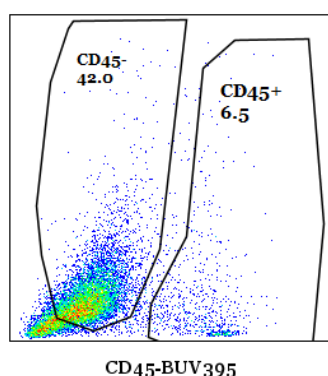
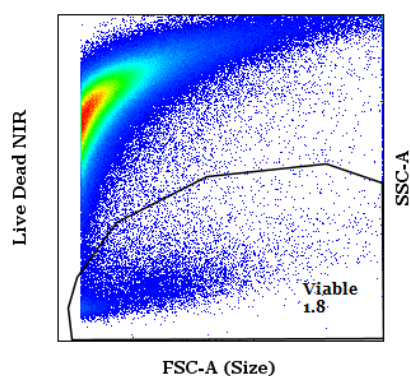
NEXT GENERATION GENOME/TRANSCRIPTOME DATA

Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 399,973,986 paired end, 120.79 Gbp
 Tumour DNA: 987,118,506 paired end, 298.11 Gbp
 Tumour RNA: 50,677,368 paired end, 15.30 Gbp

Top pathogenic somatic mutations

Gene	Alteration	Allele Frequency	Function
BRAF	c.1391G>A p.G464	72%	Gain
KRAS	c.34G>A p.G12S	42%	Gain
TP53	c.700T>C p.Y234H	82%	Loss
APC	c.4660G>T, p.E1554*	29%	Loss
APC	c.3786T>A, p.Y1262*	58%	Loss

FLOW CYTOMETRY TUMOUR DISSOCIATE ANALYSIS



Cell Type	(%)
Viable cells	1.8
Viable>CD45-	42.0
Viable>CD45+	6.5
Viable>CD45+>B cells	0.0
Viable>CD45+>CD4+/Foxp3-	11.6
Viable>CD45+>Tregs+	1.5
Viable>CD45+>CD8+	8.1
Viable>CD45+>Monocytes/Macrophages	24.5