



MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00062A REPORT

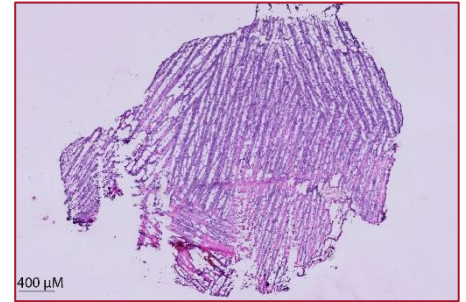
07 OCTOBER 2022

CLINICAL SUMMARY

Sex: Female
Age: 21
Pre-operative radiotherapy: Unknown

HISTOPATHOLOGY

Specimen type: Brain
Tumour site: Left Hemisphere
Tumour type: Diffuse Astrocytoma
Tumour stage: Grade III (WHO 2016), IDH1 Negative



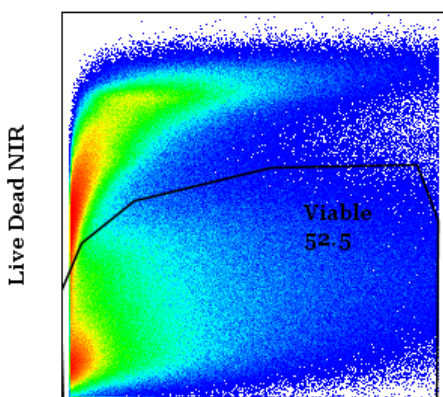
>75% Tumour Content

NEXT GENERATION GENOME/TRANSCRIPTOME DATA

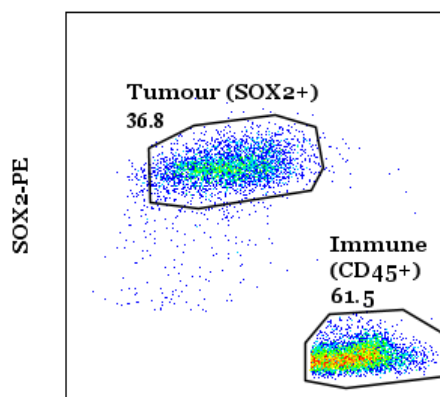
Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 423,331,238 paired end, 127.85 Gbp
 Tumour DNA: 748,548,696 paired end, 226.06 Gbp
 Tumour RNA: 39,366,978 paired end, 11.89 Gbp

Top pathogenic somatic mutations			
Gene	Alteration	Allele Frequency	Function
TP53	c.754_756delCTC, p.L252del	83%	Loss
H3-3A	c.103G>A, p.G35R	47%	Gain

FLOW CYTOMETRY TUMOUR DISSOCIATE ANALYSIS



FSC-A (Size)



CD45-BUV395

Cell Type	% of subset
Viable cells	52.5
Viable> CD45+	61.5
Viable>CD45+>CD3+	17.7
Viable>SOX2+	36.8
Viable>SOX2+>GFAP+	48.4
Viable>SOX2+>Nestin+	94.5
Viable>SOX2+>CD44+	73.0
Viable>SOX2+>CD133+	83.3