

Analysis of circulating cell-free DNA identifies *KRAS* copy number gain and mutation as a novel prognostic marker in Pancreatic cancer

Sumitra Mohan¹, Mahmood Ayub¹, Dominic G. Rothwell¹, Sakshi Gulati¹, Bedirhan Kilerci¹, Antoine Hollebecque¹, Hui Sun Leong², Nigel K. Smith¹, Sudhakar Sahoo², Tine Descamps¹, Cong Zhou¹, Richard A. Hubner³, Mairéad G. McNamara^{3,4}, Angela Lamarca³, Juan W. Valle^{3,4#}, Caroline Dive^{1#} and Ged Brady^{1#}.

¹Clinical Experimental Pharmacology Group, CRUK Manchester Institute University of Manchester, M20 4BX, UK, ²Computational Biology Support, CRUK Manchester Institute, University of Manchester, M20 4BX, ³Medical Oncology Department, The Christie NHS Foundation Trust; Division of Cancer Sciences, University of Manchester, M20 4BX, Manchester, United Kingdom, ⁴Division of Cancer Sciences, University of Manchester, M20 4BX, Manchester, UK

Joint senior authors, correspondence to gerard.brady-2@manchester.ac.uk

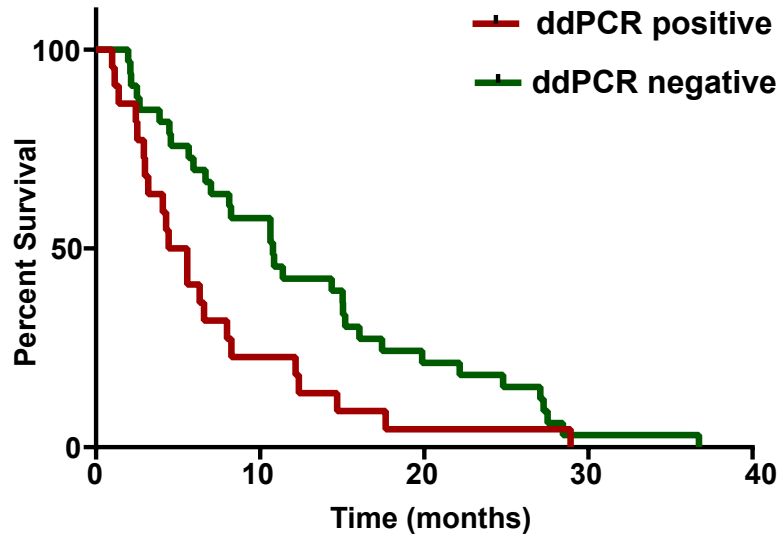
Supplementary Information

Supplementary Figure 1: Kaplan-Meier analysis of overall survival according to *KRAS* mutations detected by A) ddPCR assay and B) NGS assay

Supplementary Table1: Summary of patient characteristics

A

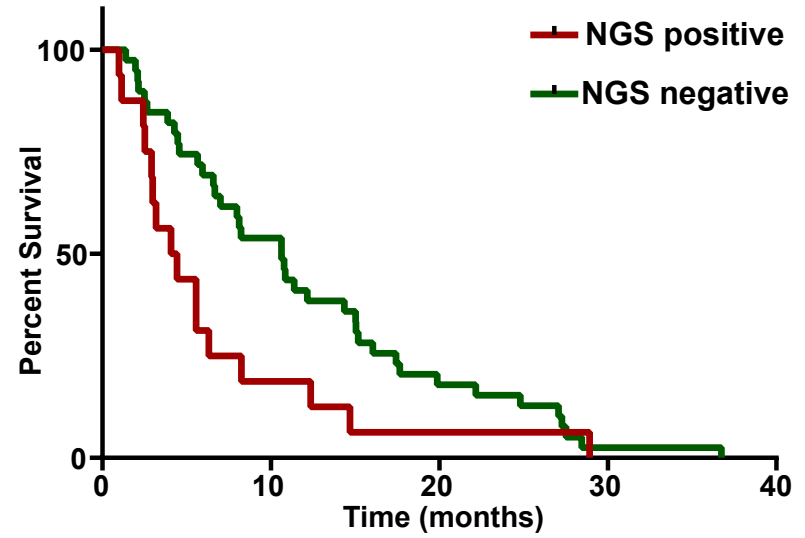
***KRAS* mutation detection by ddPCR assay**



Median OS: 5 months vs 10.7 months
p-value: 0.0222

B

***KRAS* mutation detection by NGS assay**



Median OS: 4.25 months vs 10.625 months
p-value: 0.0363