An optimised patient-derived explant platform for breast cancer reflects clinical responses to chemotherapy and antibody-directed therapy

Constantinos Demetriou¹, Naila Abid¹, Michael Butterworth¹, Larissa Lezina¹, Pavandeep Sandhu¹, Lynne Howells¹, Ian R Powley¹, James Howard Pringle¹, Zahirah Sidat², Omar Qassid^{1,3}, Dave Purnell³, Monika Kaushik⁴, Kaitlin Duckworth⁴, Helen Hartshorn⁴, Anne Thomas¹, Jacqui A Shaw¹, Marion MacFarlane^{5,6*}, Catrin Pritchard^{1*}, Gareth J Miles^{1*}

Additional File 7. BC-PDE cell death responses to FET in the Stromal areas

A, FET-induced stromal apoptosis expressed as fold change over control across 46 BC-PDE samples. **B**, Correlation between FET-induced stromal apoptosis and FET-induced tumour apoptosis. **C**, Correlation between FET-induced stromal apoptosis and FET-induced combined tumour apoptosis and necrosis. A single dot represents the median values for all PDEs derived rom a given patient, and correlations are Pearson's rank test where p < 0.05 is considered significant.



