

Investigation of breast cancer microstructure and microvasculature from time-dependent DWI and CEST in correlation with histological biomarkers

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Supplementary Information

	MCF-7	MDA-MB-231	P-value
Histology	N=7	N=15	
Cell size (μ m)	15.2 \pm 0.7	12.2 \pm 0.3	0.004**
Cellular area (%)	71.8 \pm 12.2	51.3 \pm 22.7	0.021*
Ki-67 labelling index	58.8 \pm 11.5	75.5 \pm 3.3	0.003**
Ki-67 _{max}	63.9 \pm 10.0	80.7 \pm 3.9	0.001**
Ki67 positive ratio (%)	41.5 \pm 12.5	60.2 \pm 20.4	0.026*
MVD	23.5 \pm 6.8	44.1 \pm 15.9	<0.001**

Supplementary Table S1. Histopathological features of MDA-MB-231 and MCF-7 xenograft models. $P < 0.05^*$, $P < 0.01^{**}$, considered as statistically significant. MVD; mean vessel density