

Supplementary file 1

The surviving fraction values (SF) of BC cell types after X ray irradiation with doses of 1, 2, 3 and 4 Gy

Dose (Gy)	SF (MCF7)	SF (MCF10A)	SF (MDA-MB-231)	SF (BcPc7)	SF (BcPcEMT)
0	1.000±0.045	1.000±0.046	1.000±0.048	1.000±0.049	1.000±0.044
1	0.711±0.021	0.766±0.022	0.854±0.038	0.773±0.035	0.741±0.033
2	0.485±0.026	0.565±0.030	0.694±0.033	0.619±0.034	0.519±0.024
3	0.291±0.016	0.402±0.020	0.598±0.030	0.412±0.021	0.349±0.017
4	0.158±0.008	0.261±0.015	0.396±0.020	0.278±0.014	0.212±0.011

Supplementary file 2

Chi squared values (χ^2) and adjusted R² values obtained by statistical analysis

BC cells	χ^2	Adjusted R ²
MCF7	1.1	0,999
MCF10A	0.99	0,999
MDA-MB-231	1.2	0,983
BCPC7	1.4	0,996
BCPCMT	1.2	0,999