



Figure S3: Phenotypic and genomic characteristics of Shef-UPS 03 cell line.

A and B: Photomicrographs of haematoxylin & eosin-stained sections of the parent tumour, a primary undifferentiated pleomorphic sarcoma taken at low- (x100) and high- (x400) magnification, respectively.

Cultures were established in the original setup **C and D**: Phase contrast micrographs of the cells at passage 35 at low and higher magnification, respectively. Scale Bars = 100µm **D**: Growth curve and doubling time of tumour cells at passage 35 as evaluated by MTT proliferation assay. Doubling Time = 63.97 hours

F: Genomic Copy number profile of cells at passage 26 compared with the parent tumour from which the culture was derived. The overlaid red and blue lines represent the moving average of \log_2 ratios of the cultured cells and parent tumour tissue, respectively. Deviations above and below the horizontal baseline represent amplifications and deletions, respectively. Relative amplitude of deviation shows the \log_2 ratio and represents DNA copy number at the corresponding genomic locus.

Copy number analysis was performed on the Agilent® 4 x 180K DNA microarray platform and data analysed using Agilent® Genomic Workbench Software v6.0. Growth Curve fitting and doubling time calculation were done using GraphPad® Prism Software (v6.0) based on experiments done in quadruplicate.