Hyperthermia induces therapeutic effectiveness and potentiates adjuvant therapy with non-targeted and targeted drugs in an *in vitro* model of human malignant melanoma

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Supplementary Figures

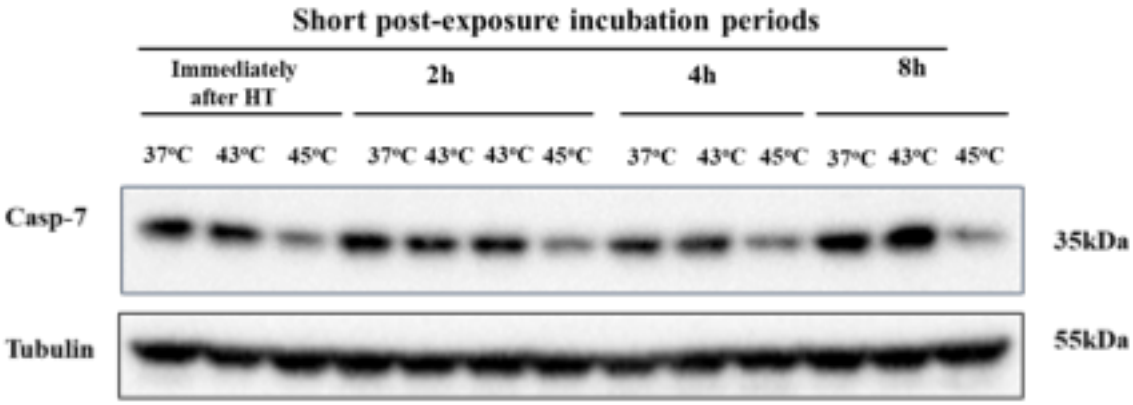

Figure 1S. Hyperthermia-induced apoptosis in a human malignant melanoma (A375) cell line. The effect of hyperthermia on protein content of caspase-7. Full-length blot for short-exposure incubation periods is provided due to double loading for the 2h time point following exposure at 43ºC. Cells were grown overnight at 37ºC followed by exposure to hyperthermia, for 2h, and then transferred back to 37ºC for the indicated post-exposure incubation times (2-72h). Cell lysates were prepared and subjected to western blotting. Control cells were kept at 37ºC. β-tubulin was used as loading control. Data shown is representative of at least two independent experiments.

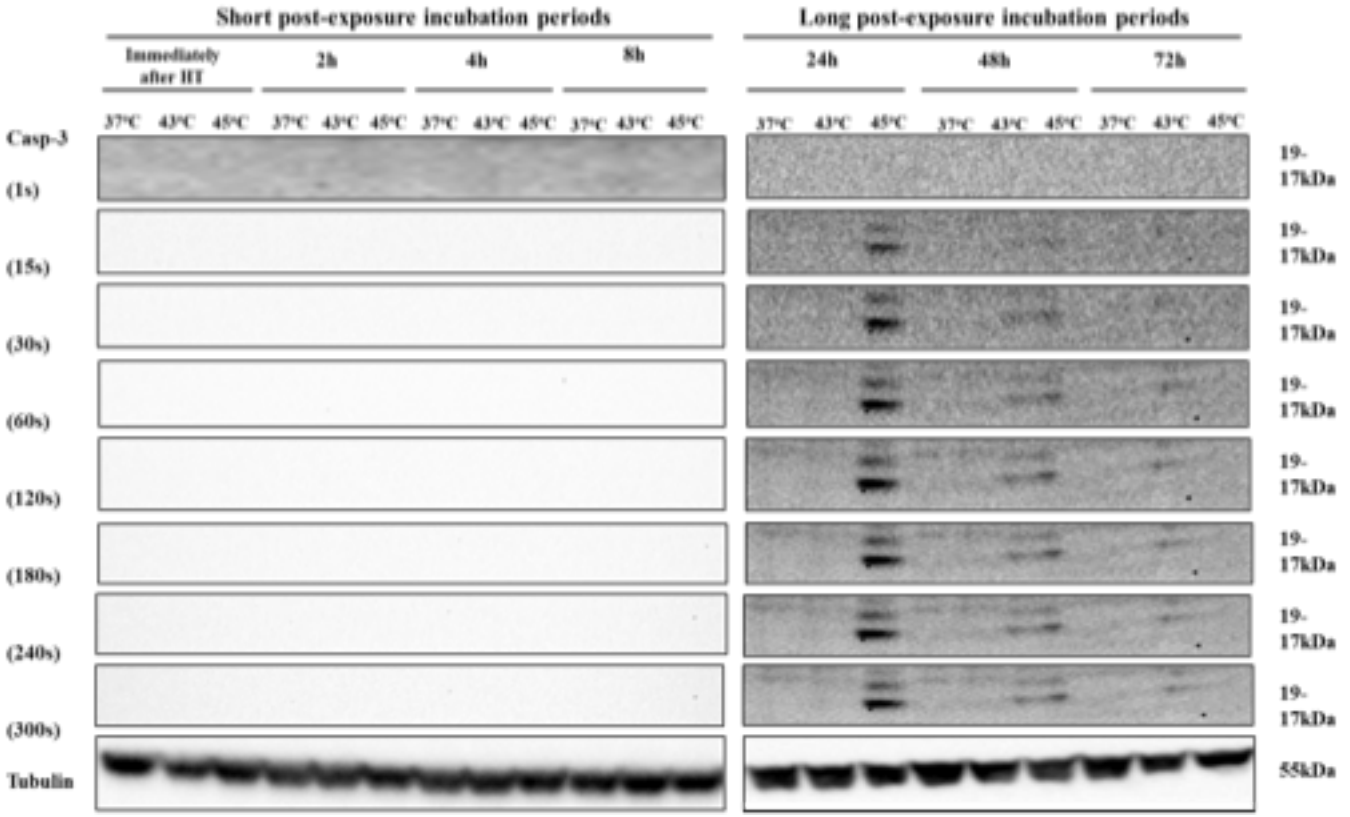

Figure 2S. Hyperthermia-induced apoptosis in a human malignant melanoma (A375) cell line. The effect of hyperthermia on protein content of caspase-3 (19-17kDa fragment). Multiple imaging exposures (1. 15, 30, 60, 120, 180, 240 and 300s) are provided. Cells were grown overnight at 37°C followed by exposure to hyperthermia, for 2h, and then transferred back to 37°C for the indicated post-exposure incubation times (2-72h). Cell lysates were prepared and subjected to western blotting. Control cells were kept at 37°C. β-tubulin was used as loading control. Data shown is representative of at least two independent experiments.

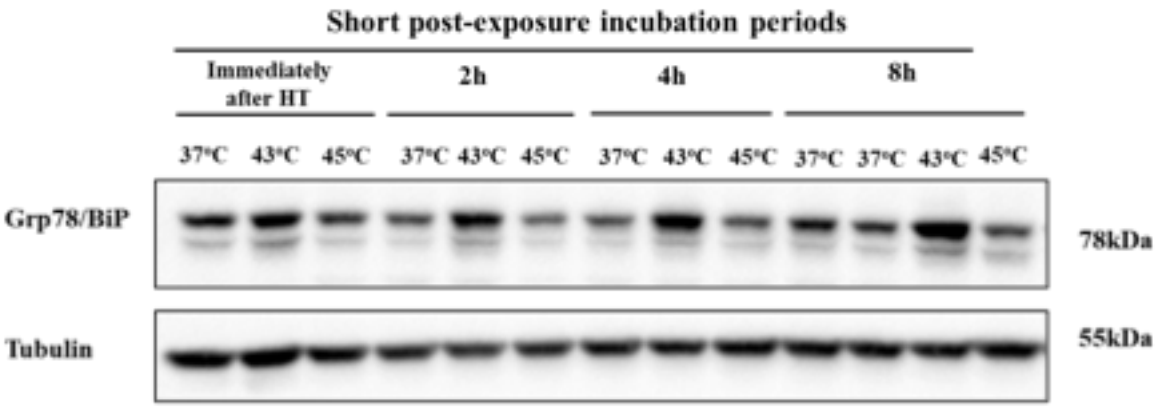

Figure 3S. Hyperthermia induces ER stress response in human malignant melanoma (A375) cells. The effect of hyperthermia on protein content of Grp78/BiP. Full-length blot for short post-exposure incubation periods is provided due to double loading for the 8h time point following exposure at 37ºC. Cells were grown overnight at 37ºC followed by exposure to hyperthermia, for 2h, and then transferred back to 37ºC for the indicated post-exposure incubation times (2-72h). Cell lysates were prepared and subjected to western blotting. Control cells were kept at 37ºC. β-tubulin was used as loading control. Data shown is representative of at least two independent experiments.