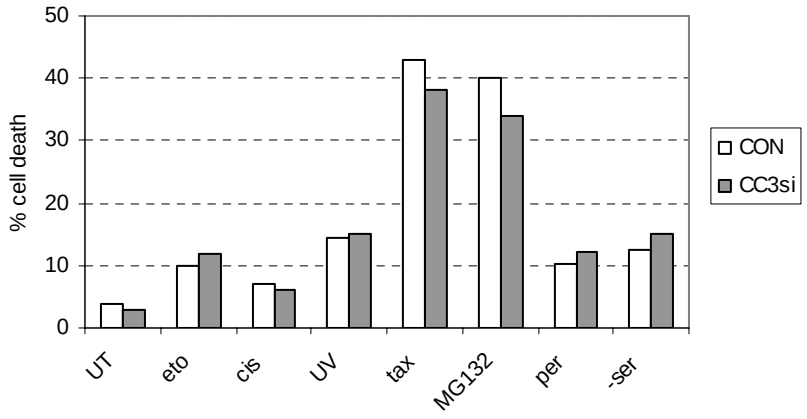

Fig. S1. HeLa lines were subjected to the indicated treatments for 24 hours, and cell death was analyzed by flow cytometry with Annexin V/propidium iodide. The treatments were as follows: eto - etoposide, 5 μM; cis-cisplatinum, 30 μM; UV – irradiation with 20J/m2 UVC; tax - Taxol, 200 nM; MG132 (proteasome inhibitor) at 2 μm, per = hydrogen peroxide at 350 mM for 15 minutes; -ser: incubation in media without serum for 24 hours. All results are representative of at least two experiments performed

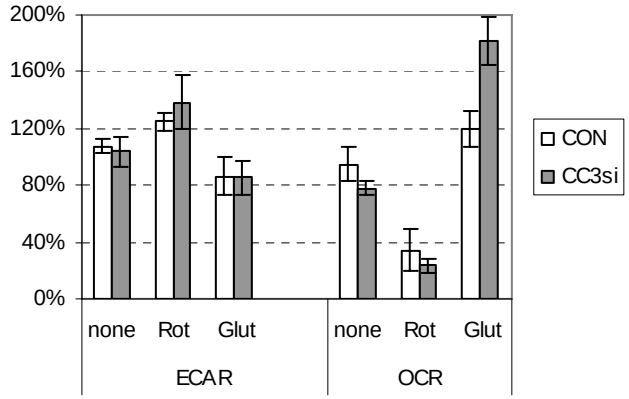

Fig. S2. Glutamine is used as a substrate for mitochondrial respiration in HeLaCC3si cells. HeLa lines were cultured overnight without glutamine, and for the last 2 hours in media with low (2.2 mM) glucose. Metabolic fluxes were examined before (none) and after addition to cultures of either 1 μM rotenone (Rot) or 4 mM glutamine (Glut). Results are expressed as percentages of ECAR and OCR in cells maintained in the full media in the same experiment

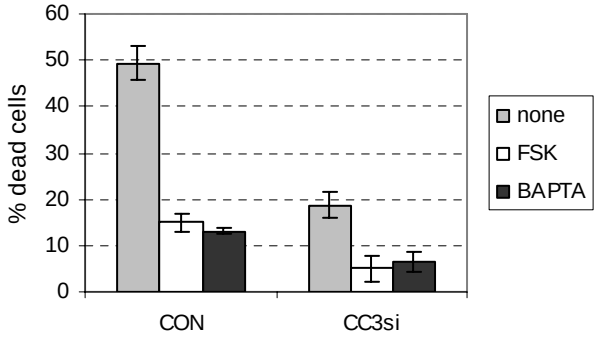

Fig. S3. HeLa cell lines were incubated in medium containing 0.55 mM glucose for 24 hours in absence of inhibitors (none) or presence of 10 μm FSK or 4 μm BAPTA. Cell death was analyzed by flow cytometry with Annexin V/propidium iodide. Chart shows percentage of cells positive for PI uptake. Results are average of three experiments.

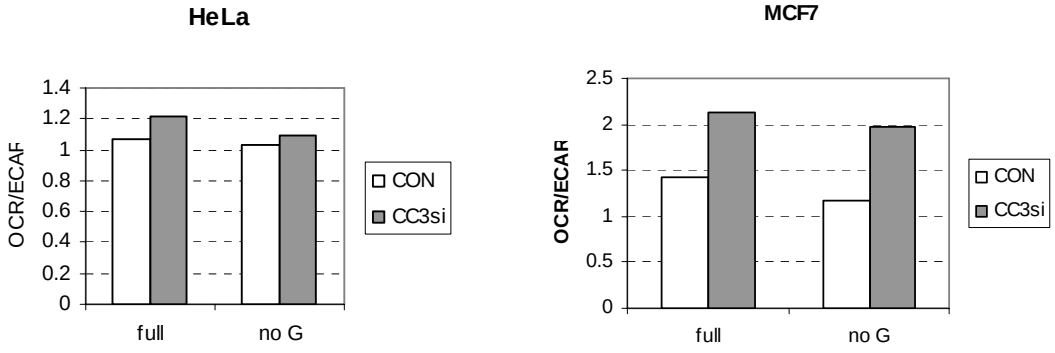

Fig. S4. Relative ratios of OCR to ECAR in HELA and MCF7 cell lines cultured in full medium (full) or in medium lacking glucose for 4 hours (no G). Charts present results in Figures 3A and B in a different manner: the average normalised values of OCR and ECAR were used to calculate the OCR/ECAR ratios.