Figure S1. GLUT4 plasmatic membrane translocation analysis in Hfsmc. Immunofluorescence analysis in control (c) non permeabilized Hfsmc showed weak signal for GLUT4 (panel a); panels f and m showed DAPI stained nuclei and signal merging in control cells, respectively. Intense positive GLUT4 staining was observed after 30 minutes incubation with I (100 nM) (99.8% ±1.9; panel b) or tadalafil (0.5 µM) (98.9% ±5.6; panel c); panels g, n after I and h, o after tadalafil depict DAPI nuclei and dye merging, respectively. No significant effect was observed after sildenafil (1 µM) (2.2%+0.65; panels d, i, p) or 8-br-cGMP (10 µM) (3.7%+1.8; panels e, l, q) treatment. Pictures are representative of at least three separate experiments, using distinct cell preparations; magnification 60X. Histogram represents percentage of GLUT4 positive cells. (***P<0.001 vs. c).

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