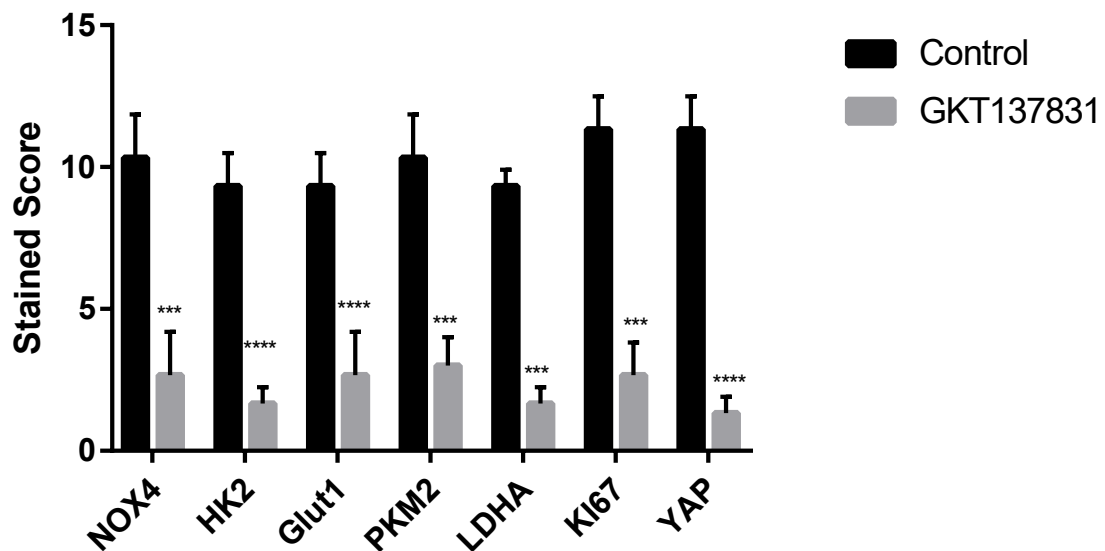


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 2 **Figure S1.** Experimental results of lactic acid determination (A) In MDA-MB-231 cells, NOX4
 3 knockdown reduced lactate production. (B) In MDA-MB-231 cells, overexpression of NOX4
 4 increased lactate production. (C) In MDA-MB-231 cells, after application of ROS and
 5 Peptide17, the production of lactic acid in overexpressed cells decreased. (D) In MDA-MB-453
 6 cells, NOX4 knockdown reduced lactate production. (E) In MDA-MB-453 cells, overexpression
 7 of NOX4 increased lactate production. (F) In MDA-MB-453 cells, after application of ROS and
 8 Peptide17, the production of lactic acid in overexpressed cells decreased. Data represents the
 9 mean \pm SD, * $p < 0.05$, ** $p < 0.01$.



10 **Figure S2.** Results of statistical analysis of immunohistochemical data. Data represents the
 11 mean \pm SD, *** $p < 0.001$, **** $p < 0.0001$.