Supplemental Figure 1. NADH-cytochrome b5 reductase 3 (CYB5R3) transient gene knock-down was performed using two different siRNAs and evaluated using a) qPCR for mRNA levels and b) Western blotting for protein levels. Knock-down using CYB5R3 siRNA 1 lead to mRNA (<10%) as well as protein knock-down (no detectable bands) until day 6. Knock-down using CYB5R3 siRNA 2 lead to mRNA (less than 15%) as well as protein knock down (no detectable bands) until day 4. The levels of CYB5R3 in cells transfected with CYB5R3 siRNA (either 1 or 2) were comparable to the level of cells transfected with control siRNA at day 15.
Supplementary figure 2. Apoptosis signaling canonical pathway. Red and green indicates proteins with higher and lower, respectively, expression in CYB5R3 siRNA 1 transfected cells compared control siRNA transfected cells. Gray indicates proteins with similar expression.