**Figure S1.** miRs that suppress or support transformation of the ELR transformed cells.

Transformed fibroblasts over expressing 365 different miRs in an anchorage-independent growth on soft agar. Most of the cells had about 800 colonies; cells that had less then 300 colonies (dashed lower line) are candidates for expressing tumor suppressor miR. Over expression of miR-193a reduce the number of colonies down to around 100 colonies (arrow). Cells that had more then 1100 colonies (dashed upper line) represent miRs that enhance tumorigenesis.

**Figure S2.** Efficiency of PLAU and KRAS inhibition of expression by siRNAs. We assessed PLAU and KRAS mRNA expression levels by real-time PCR analysis in different time points after treatment with siRNA negative control, siRNA against PLAU and siRNA against KRAS. The data are presented as mean ±SD of three independent experiments.