Supplemental Figure S7. Systemic delivery of formulated miR34a mimics affects the growth of MM xenografts

A) Histologic and immunohistochemical staining directed against Ki-67 and caspase-3 in harvested SKMM1 tumors. Histologic and immunohistochemistry micrographs are at 20-fold and 40-fold magnification, respectively.

B) BCL-2, CDK6 and NOTCH1 expression levels by q-RT-PCR of total RNA extracted from SKMM1 tumors harvested from mice treated with formulated miR-34a or miR-NC. Raw Ct values were normalized to GAPDH housekeeping mRNA and expressed as \( \Delta \Delta \text{Ct} \) values, calculated using the comparative cross threshold method. Values represent mean \( \pm \) SD observed in 3 different experiments.

C) Western blot analysis of BCL-2, CDK6 and NOTCH1 protein in tumors retrieved from mice treated with formulated miR-34a or miR-NC. The protein loading control was GAPDH. Densitometric analysis was performed, and fold change of protein levels relative to NC is shown in each panel. Experiments were performed in triplicate. miR-34a effects on protein levels reached statistical significance at all points (P<0.05).