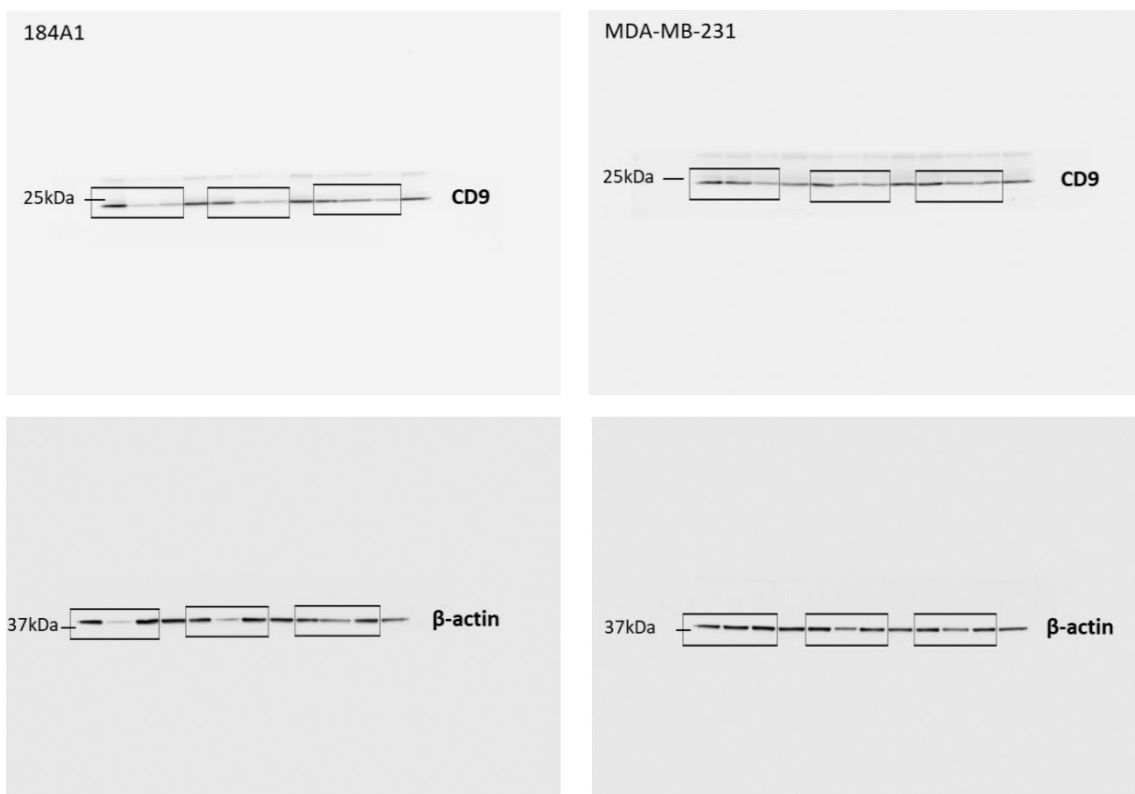


Supplementary Materials: Tetraspanin CD9 is Regulated by miR-518f-5p and Functions in Breast Cell Migration and In Vivo Tumor Growth

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184A1 (Beta-actin)



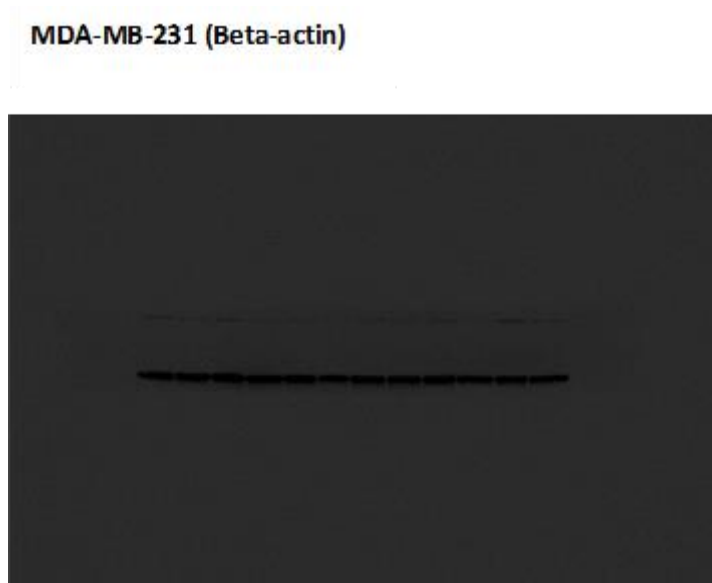


Figure S1. Whole western blotting images from Figure 1. Bands from 184A1 protein lysates (left) and MDA-MB-231 protein lysates (right), CD9 bands (top) and beta-actin (bottom). The boxes contain the bands used for quantitation for lysates from mock, NTC and miR-518f-5p mimic, respectively. Lanes 4, 8 and 12 contain lysates from miR-4289 mimic transfected cell lines that served as a positive control.

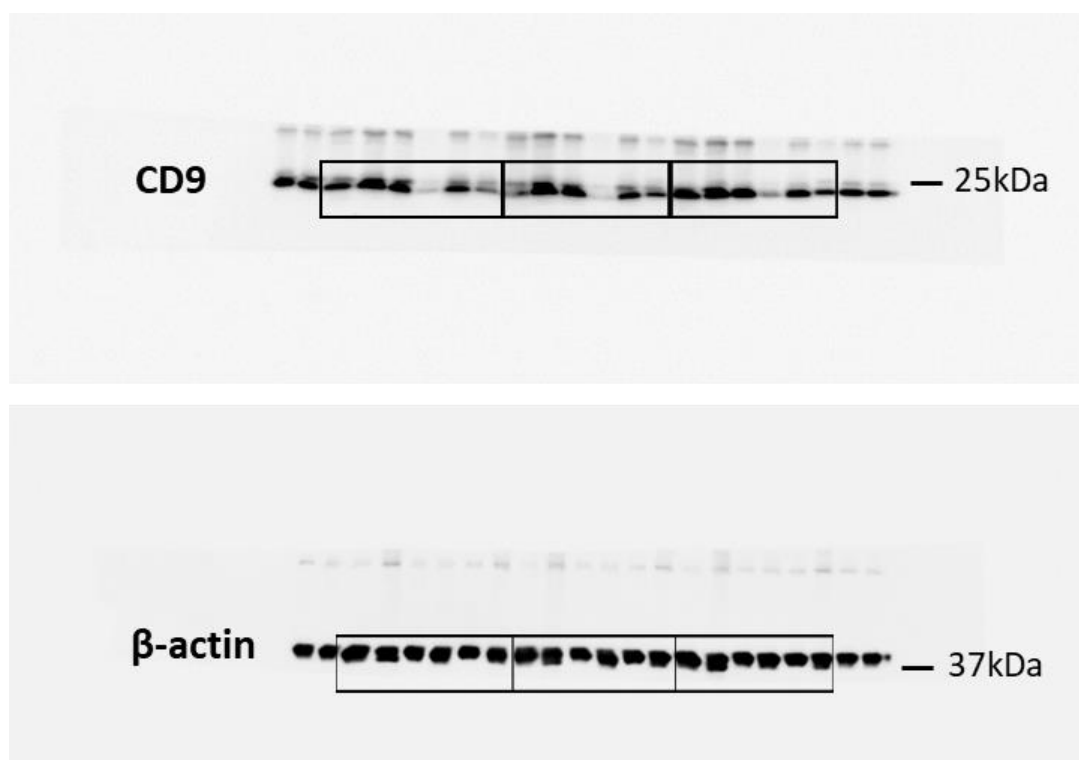


Figure S2. Whole western blotting images from figure 3. Boxes contain bands for the different breast cell lysates in the following order: HMEC, 184A1, MCF7, T-47D, SKBR3 and MDA-MB-231. Lanes 1, 2, 21 & 22 contain the positive control RWPE-1 protein lysate.

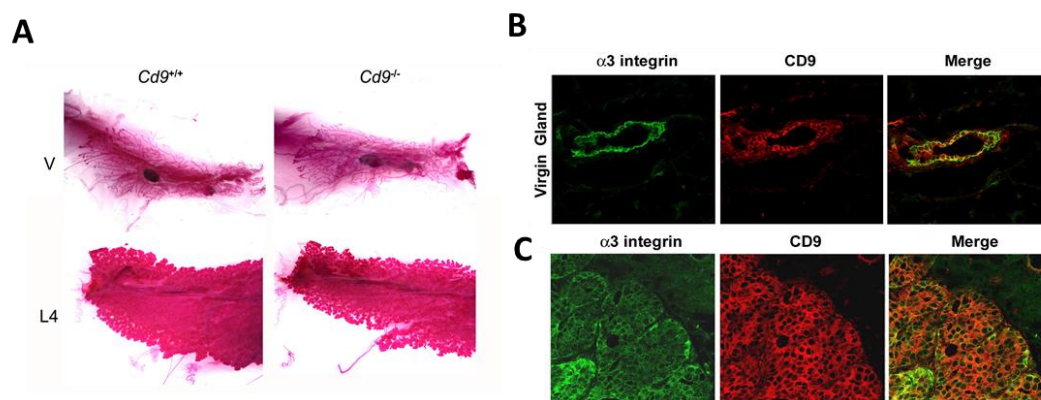


Figure S3. *Cd9* ablation does not affect mammary gland development and CD9 is expressed in the normal mouse mammary gland and in PyMT tumours. A. Whole mount FVB/N *Cd9*^{+/+} and *Cd9*^{-/-} mouse mammary glands ($n = 2$ in each group) stained with Carmine Alum. V: Virgin; L4: Lactation Day 4. B. Co-labelling of 6-week old virgin gland with CD9 and $\alpha 3$ integrin antibodies. C. Co-labelling of 10-week old PyMT tumours with CD9 and $\alpha 3$ integrin antibodies.



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