



miR-661 expression in SNAI1-induced epithelial to mesenchymal transition contributes to breast cancer cell invasion by targeting Nectin-1 and StarD10 messengers.

Guillaume Vetter, Anne Saumet, Moes Michèle, Laurent Vallar, Antony Le Béhec, Cristina Laurini, Michelle Sabbah, Khalil Arar, Charles Theillet, Charles-Henri Lecellier, et al.

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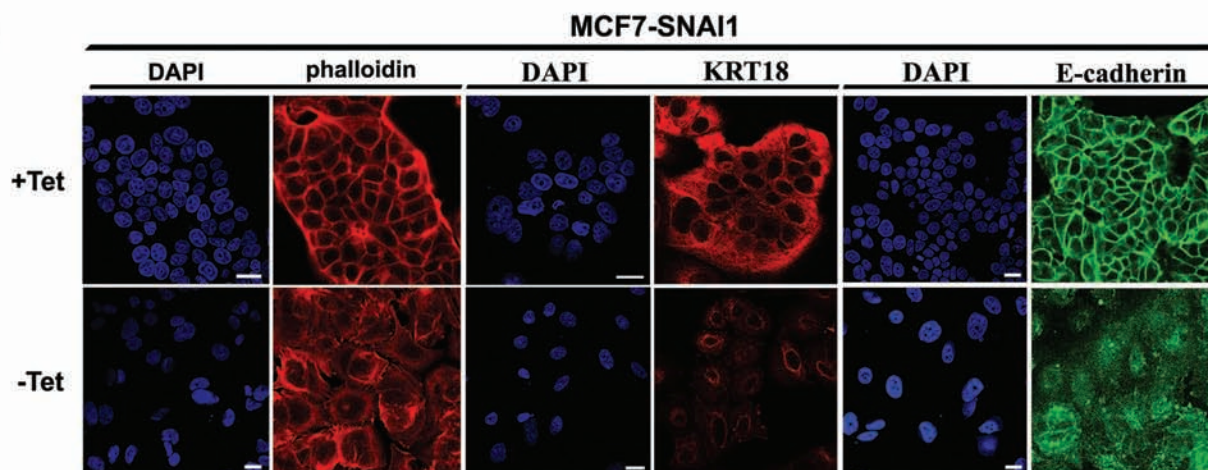
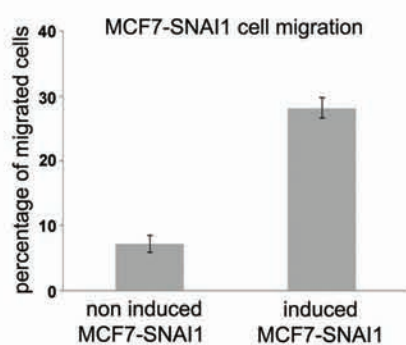
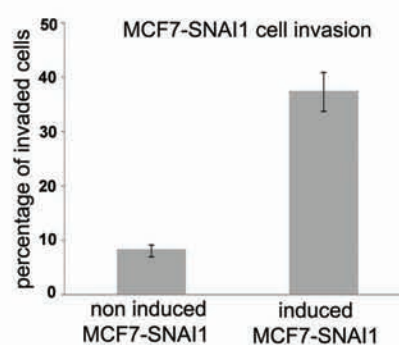
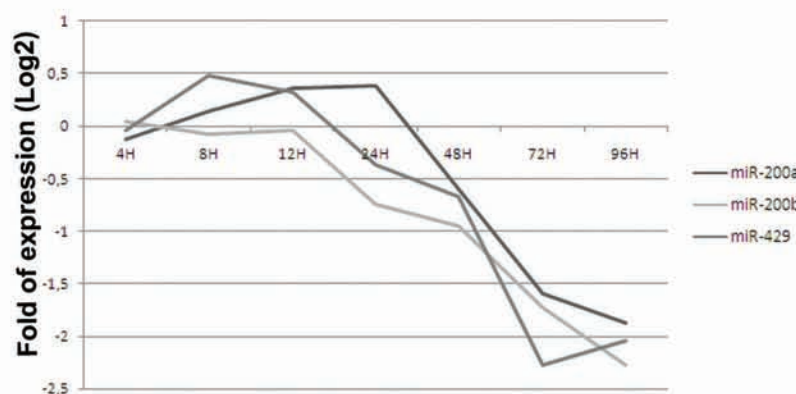
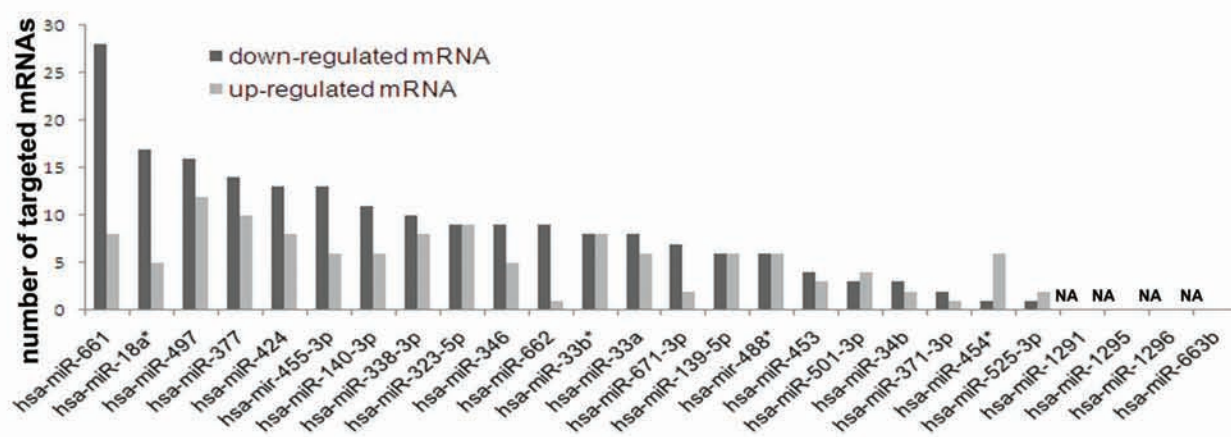
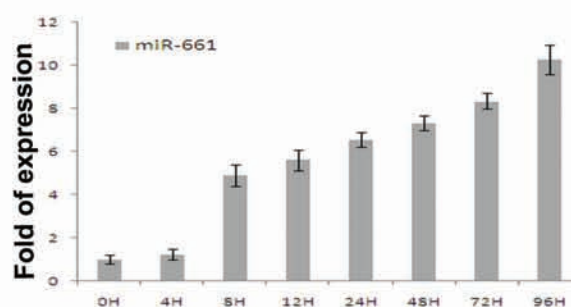
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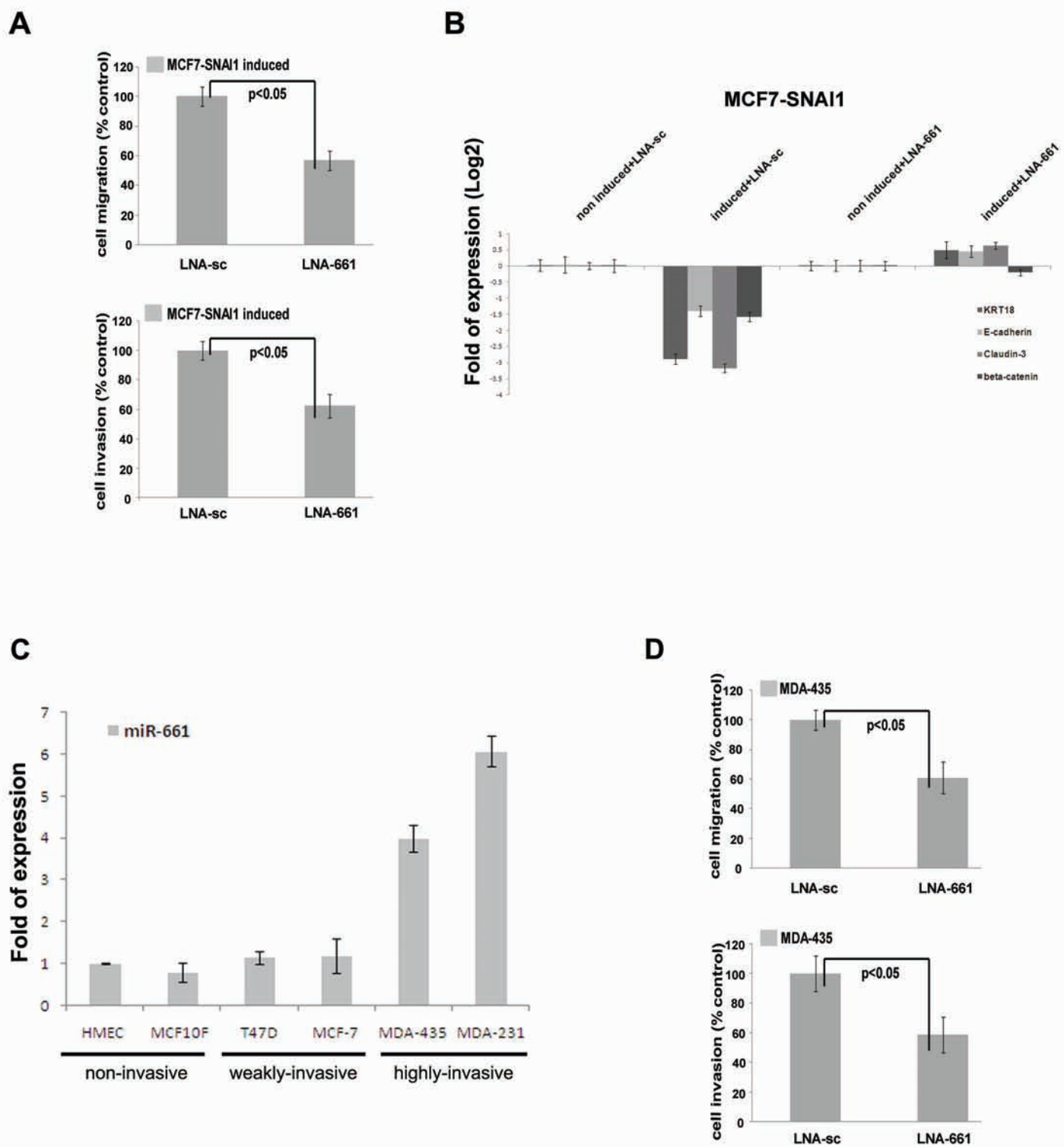
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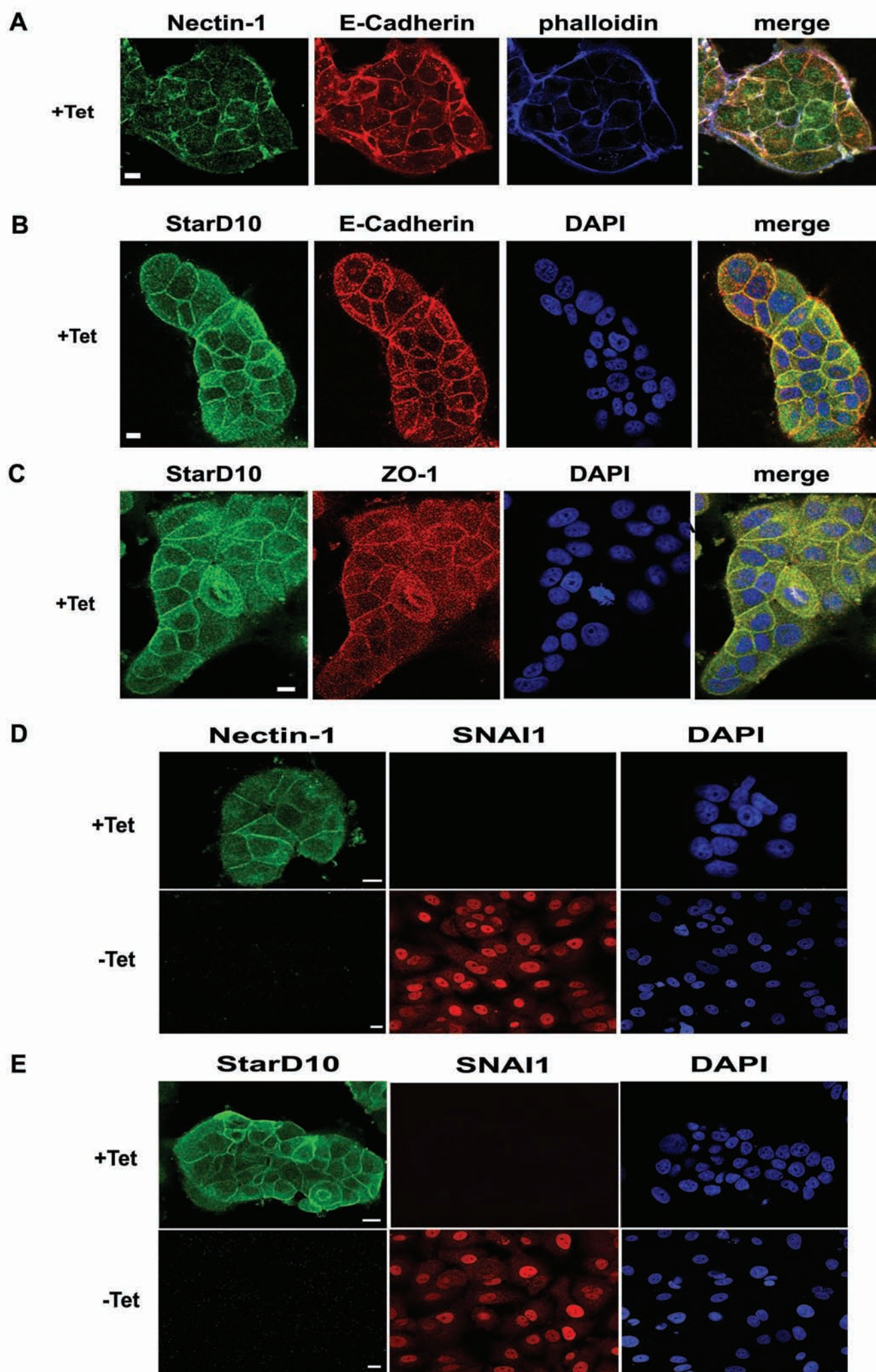
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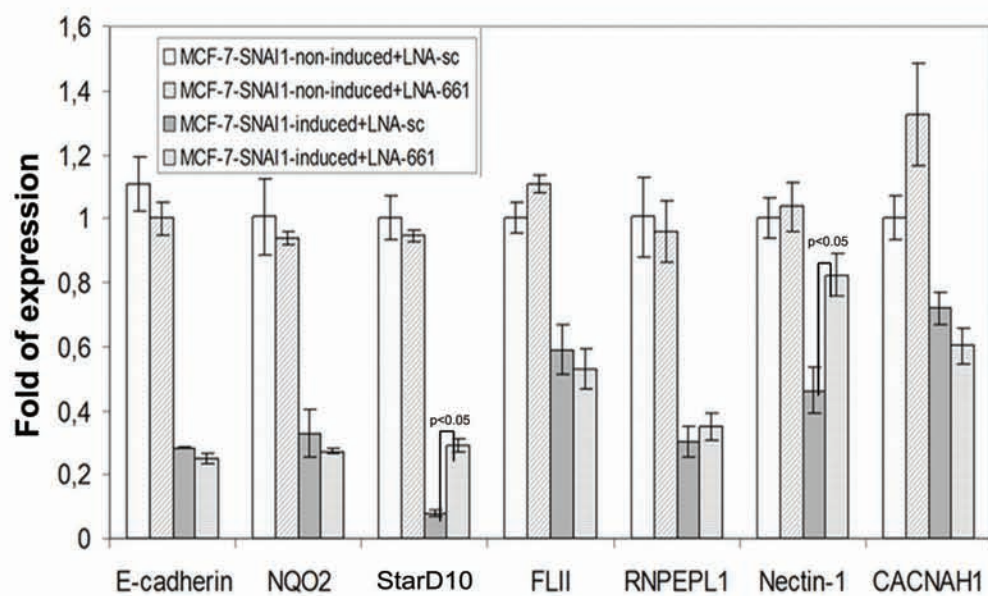
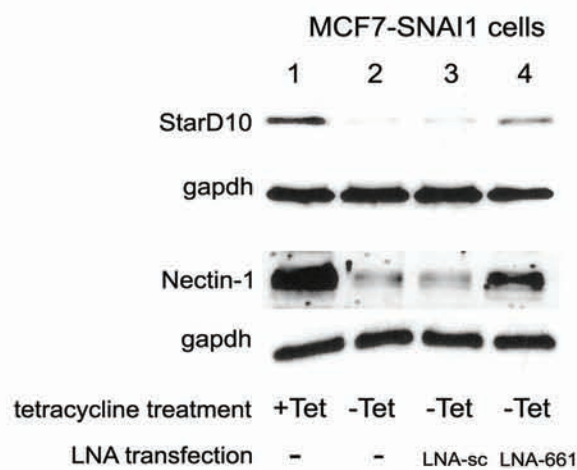
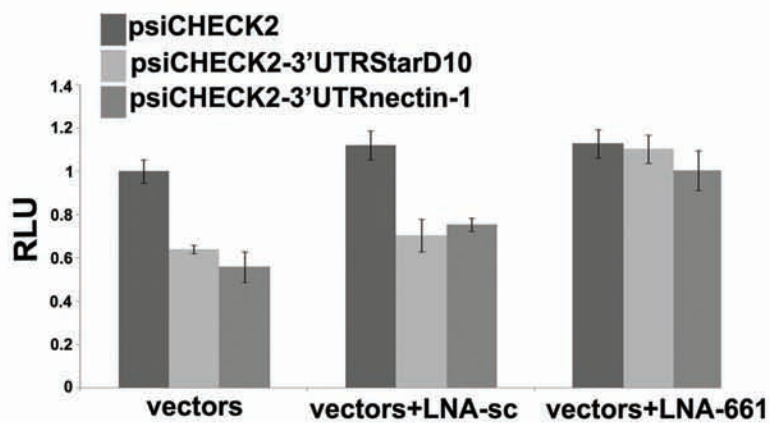
A**B****C****D****E****F**

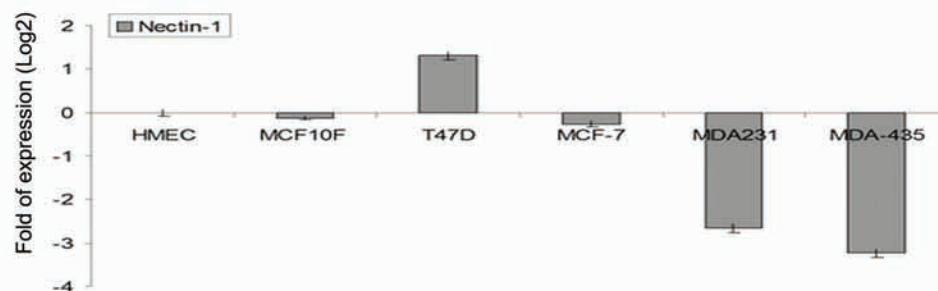
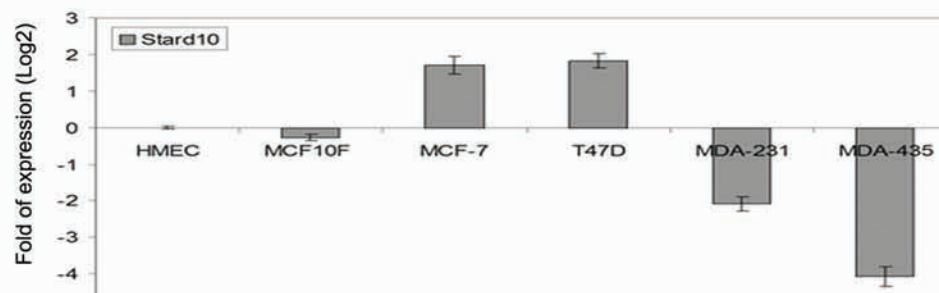
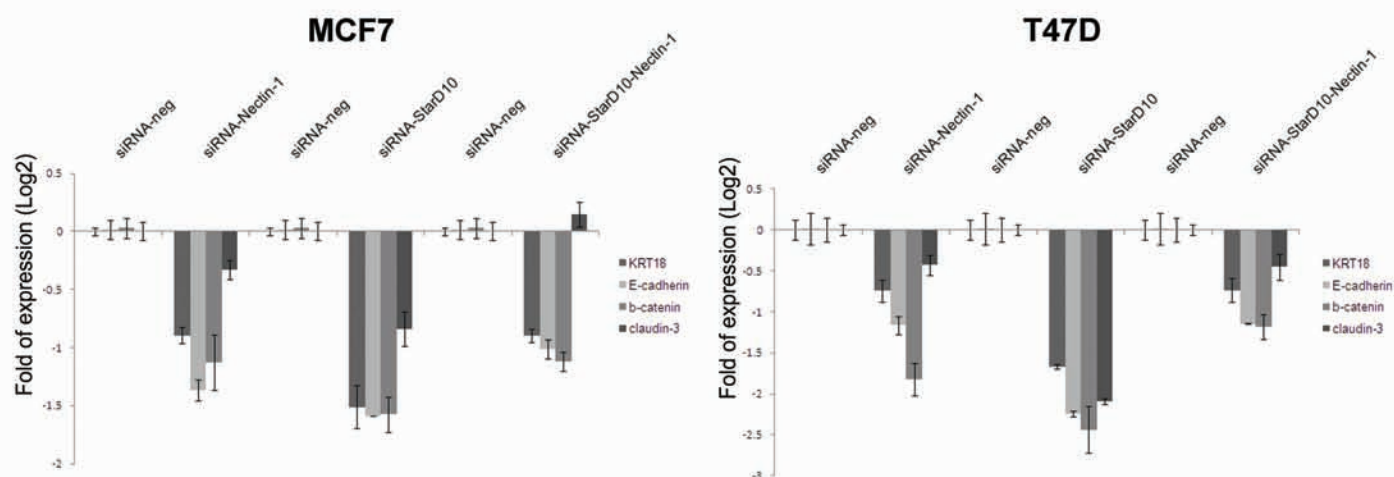
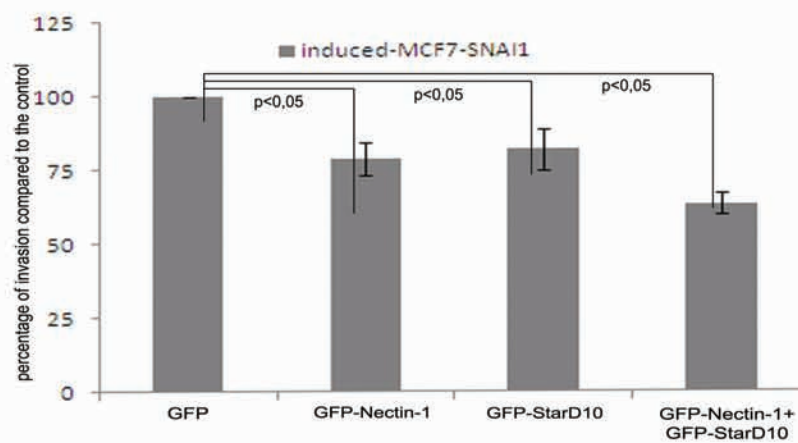


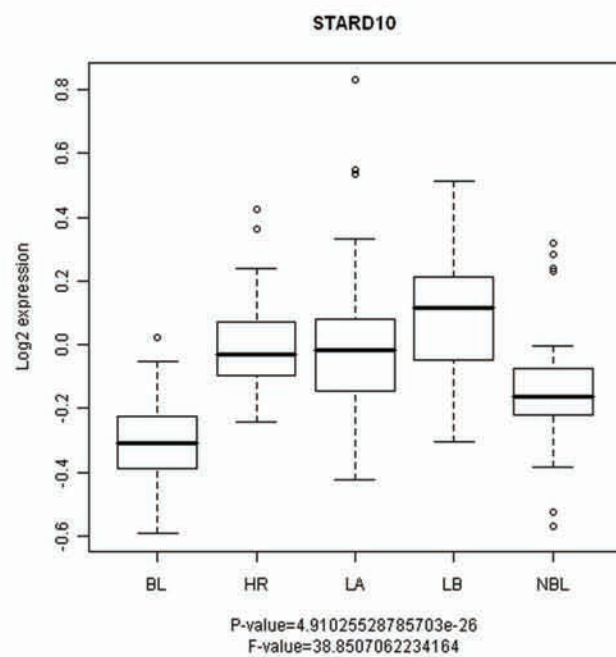
Vetter et al, figure 2



Vetter et al, figure 4

A**B****C**

A**B****C****D**



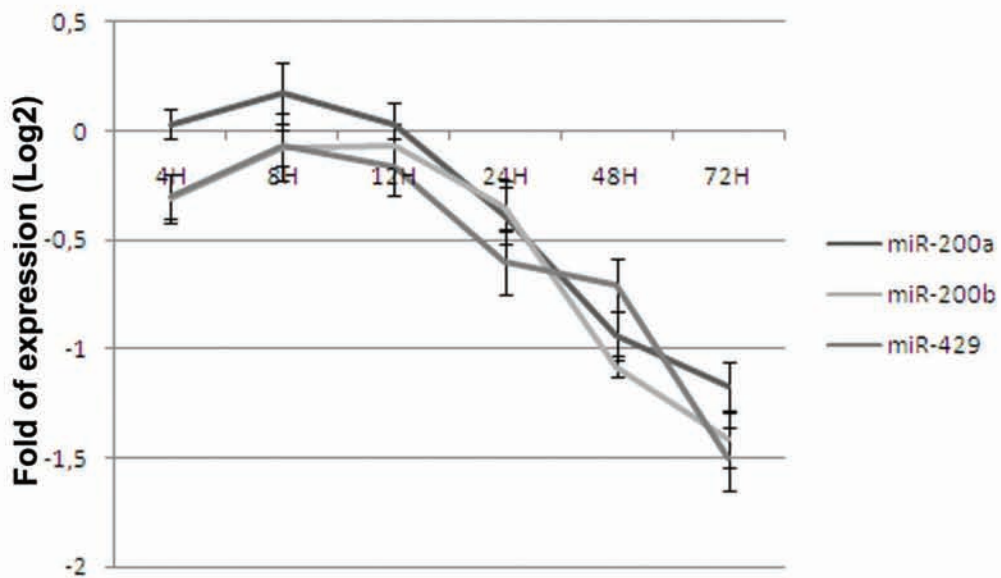
Vetter et al, figure 7

Table 1

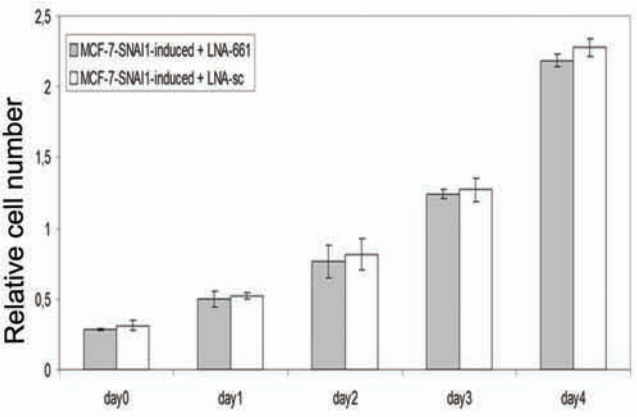
**Pearson correlation association between StarD10 and tumor markers genes expression
in the 295 breast tumors charecterized by van den et al, 2002**

	StarD10
Basal-Like markers	
<i>KRT5</i>	-0,31702
<i>KRT14</i>	-0,14909
<i>FOXC1</i>	-0,51169
Luminal markers	
<i>FOXA1</i>	0,552127
<i>GATA3</i>	0,501762
<i>KRT18</i>	0,57425
<i>KRT8</i>	0,495991

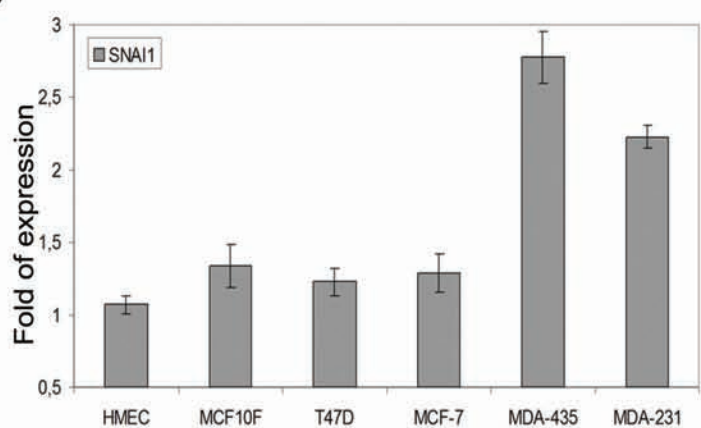
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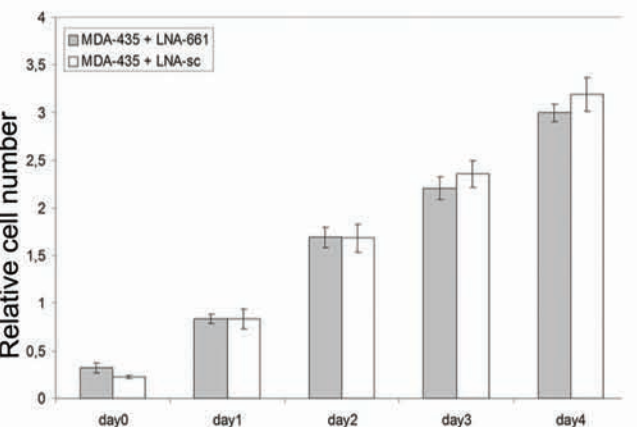
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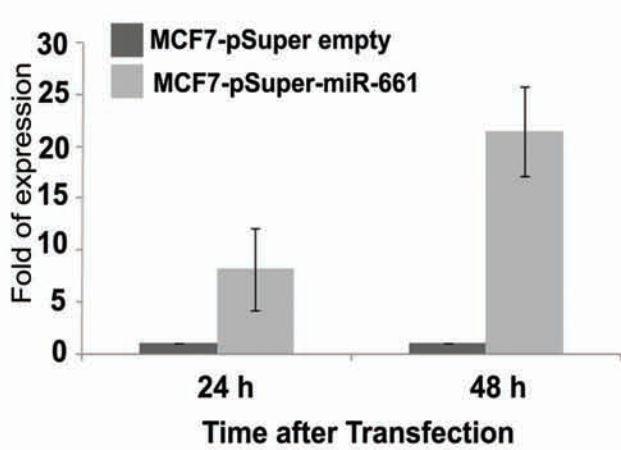
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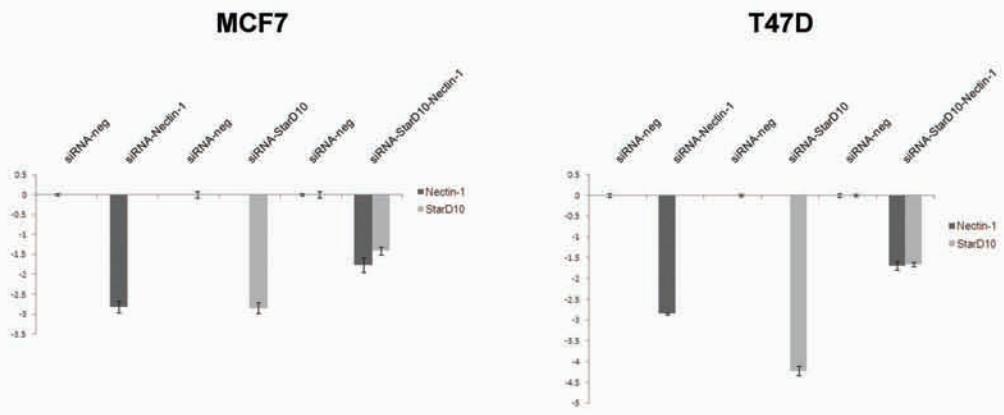
D



E

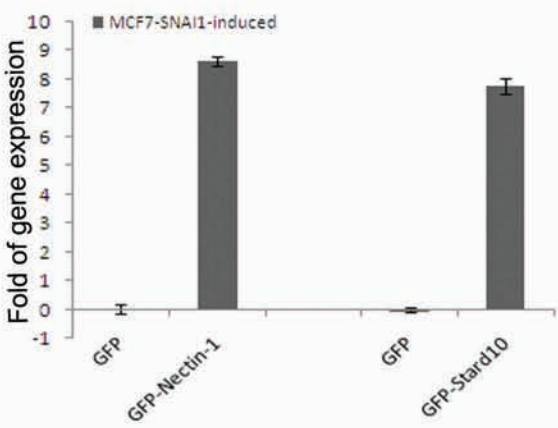


A

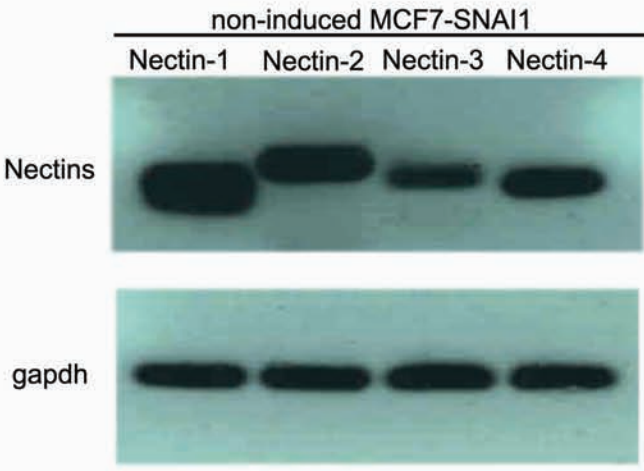


B

ectopic expression of GFP-nectin-1 and GFP-StarD10



C



Supplemental methods 1: Set of primers and LNAs used in this study**A** RT-qPCR oligonucleotides for the detection of encoding genes:

genes	Sense 5'-3'	Antisense 5'-3'
E-cadherin	cccgggacaacgtttattac	gctggctcaagtcaaagtcc
SNAI1	gctgcaggactctaattccaga	atctccggaggtgggatg
StarD10	ggacgctgcacaagatcaa	aggacgtcgtagagtgtctcg
NQO2	tactgatgagcagaaaaaggtt	accagtacacgcgggaactga
Nectin-1	accaaccccatcggtacac	ggggtgtaggggaattctgt
FLII	tggtcctgaaagtctctgc	ccagggtggttctgttcagg
CACNA1H	ctatgctgcgtgggagt	ctcgcaggggtgtcttc
RNPEPL1	ccgcaacgactactatcctga	ggtgtacatgcgtgacatctg
Claudin-3	aacctgcatggactgtgaaa	ggtcaagtattggcgggtcac
Beta-catenin	ttaaaaagccagtttgggtaaaa	cccaccctaccaaccaagt
KRT18	tgatgacaccaatatcacacga	gagcagctcctccttgagag
GAPDH	agccacatcgctcagacac	gcccataacgaccaaattcc

B RT-qPCR oligonucleotides for the detection of miRNAs:

miRNAs	Rt-specific oligonucleotides 5'-3'	pcr-sens
miR-661	gtcgtatccagtgcagggtccgaggtattcgactggatacgacacgcgc	gtgcctgggtctctggcct
miR-200a	gtcgtatccagtgcagggtccgaggtattcgactggatacgacacatcg	gcgcgtaacactgtctggtaa
miR-200b	gtcgtatccagtgcagggtccgaggtattcgactggatacgactcatca	gcgcgtaatactgcctggtaa
miR-429	gtcgtatccagtgcagggtccgaggtattcgactggatacgacacgggtt	gcgcgtaatactgtctggtaa
U6	gtcgtatccagtgcagggtccgaggtattcgactggatacgacaaaaatatgg	ggctgcgaaggatgacacgc

C Sequences of the Locked Nucleic Acids (LNAs):

LNA-661 5'-A+C+G+CGCAGGCCAGAGACCCA+G+G+C+A-3'
 LNA-sc 5'-AC+GCG+CAG+GCC+AGA+GAC+CCA+GGC+A-3'

D Sequences of the siRNAs:

siRNAs	sequences 5'-3'
Nectin-1-a	CAA-ACC-CAC-CAA-UUG-GAU-A
Nectin-1-b	UAU-CCA-AUU-GGU-GGG-UUU-G
StarD10-a	GCA-ACG-UCA-UUG-AGA-CUU-U
StarD10-b	AAA-GUC-UCA-AUG-ACG-UUG-C