

Northern Blots bands can appear very similar across figures in a given manuscript.

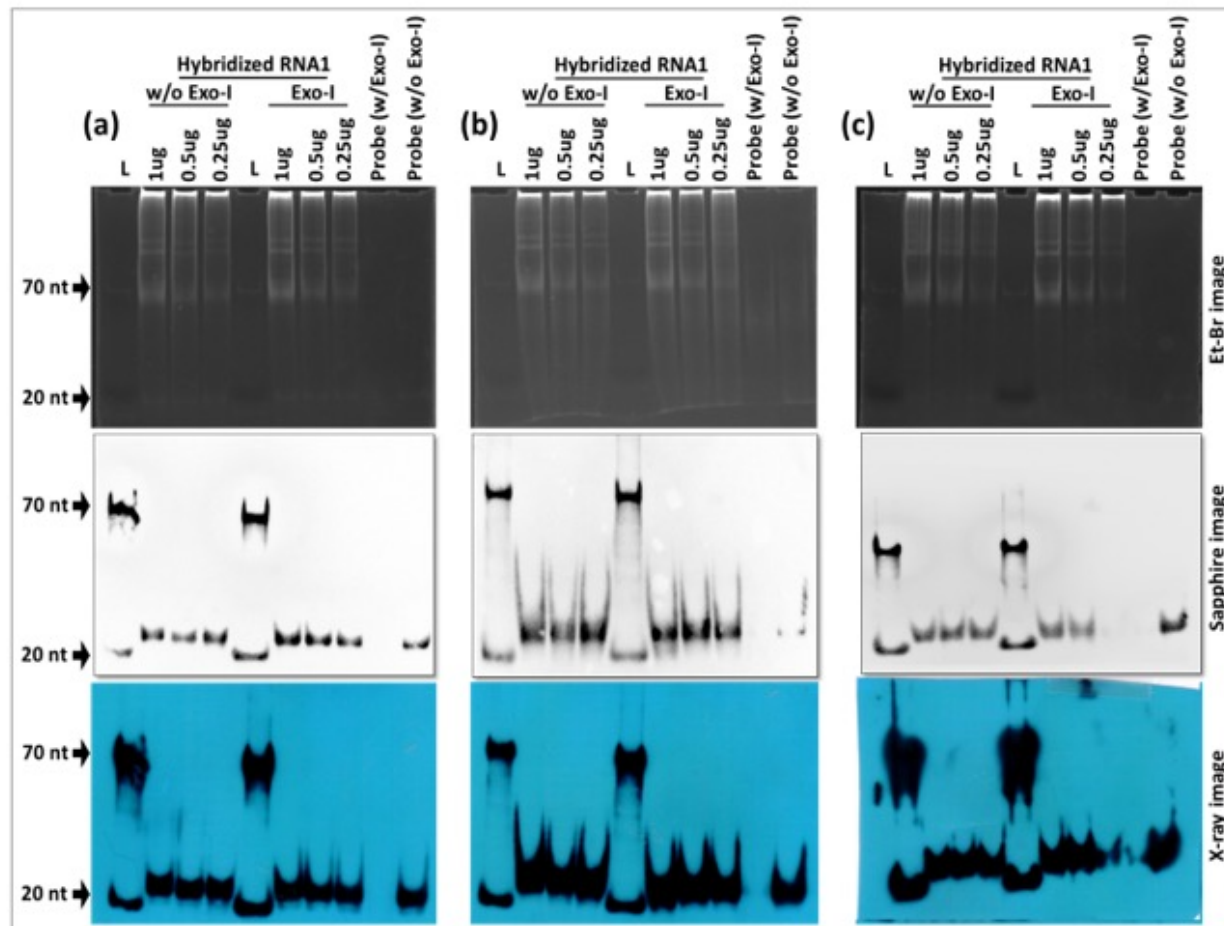
NOTE: Inherently to this approach, the pattern of the bands detected on experiments run in a given apparatus can appear similar. Specifically, the gels are generated using the same acrylamide stock (only polymerizing agent would be added), and the electrophoresis is often run in parallel at the same time, often in the same buffer tank and therefore at the same temperature and with the same buffer quality/impurities.

Example 1:

Ahmad, W.; Gull, B.; Baby, J.; Mustafa, F. A Comprehensive Analysis of Northern versus Liquid Hybridization Assays for mRNAs, Small RNAs, and miRNAs Using a Non-Radiolabeled Approach. Curr. Issues Mol. Biol. 2021, 43, 457-484.

<https://doi.org/10.3390/cimb43020036>

Example 1

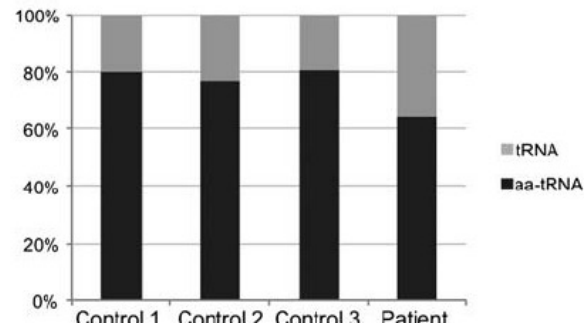
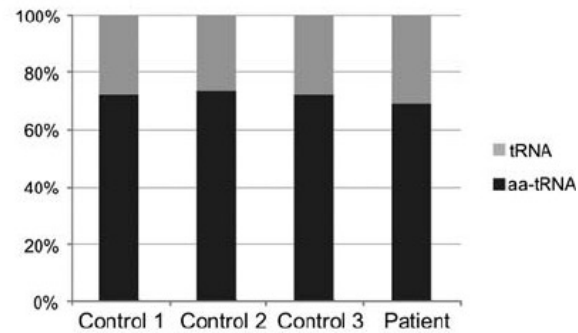
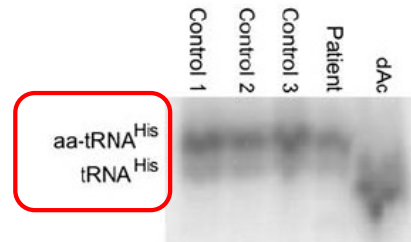
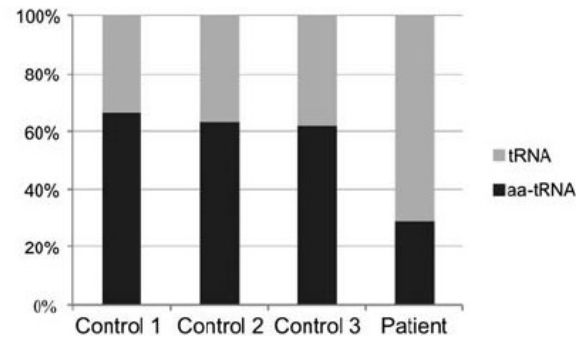
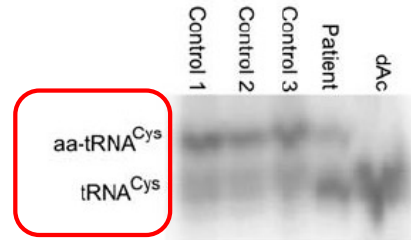


Example 2:

Coughlin II, Curtis & Scharer, Gunter & Friederich, Marisa & Yu, Hung-Chun & Geiger, Elizabeth & Creadon-Swindell, Geralyn & Collins, Abigail & Vanlander, Arnaud & Coster, Rudy & Powell, Christopher & Swanson, Michael & Minczuk, Michal & Van Hove, Johan & Shaikh, Tamim. (2015). Mutations in the mitochondrial cysteinyl-tRNA synthase gene, CARS2, lead to a severe epileptic encephalopathy and complex movement disorder. Journal of medical genetics. 52.

10.1136/jmedgenet-2015-103049.

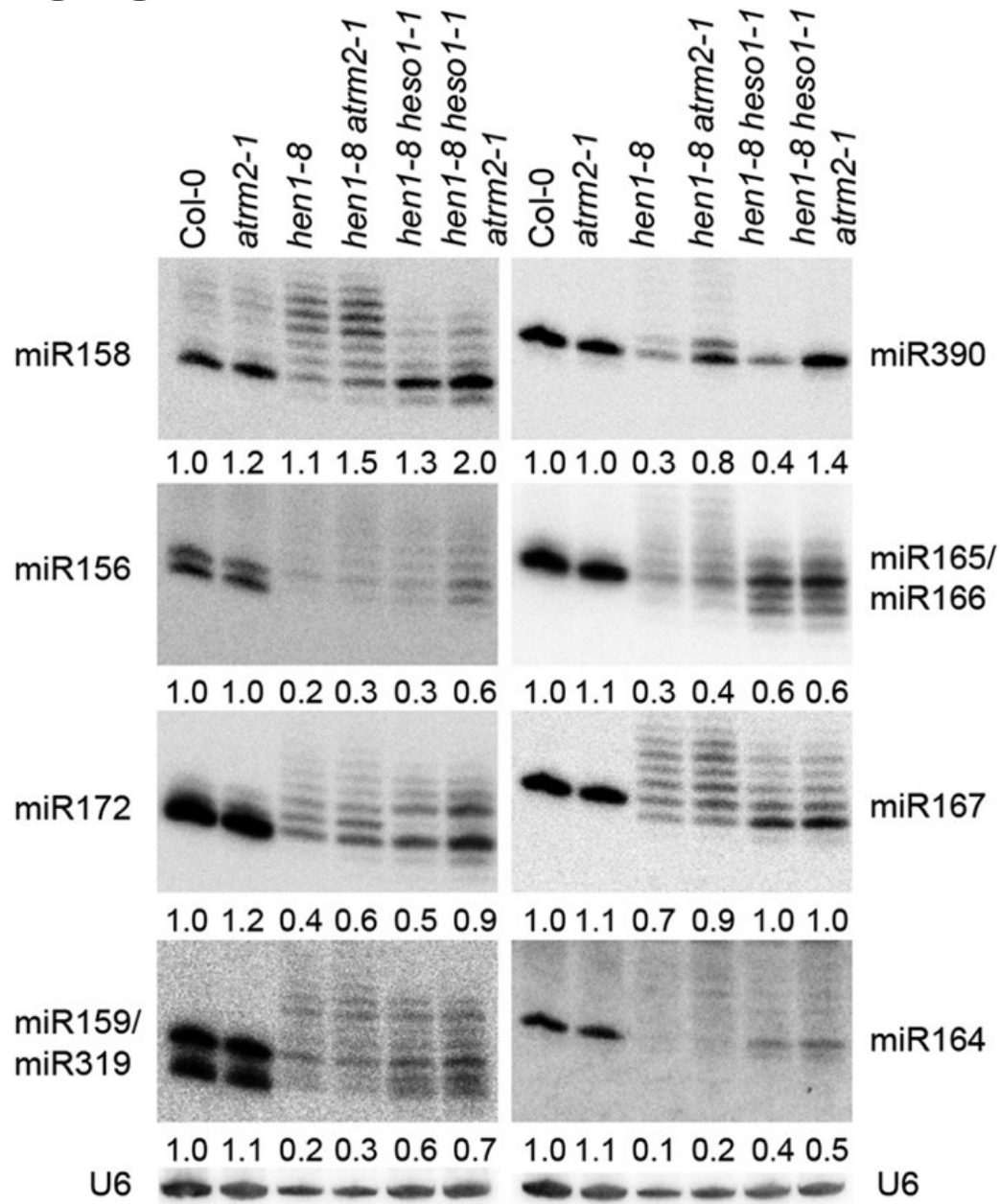
Example 2



Example 3:

<https://doi.org/10.1073/pnas.172191711>

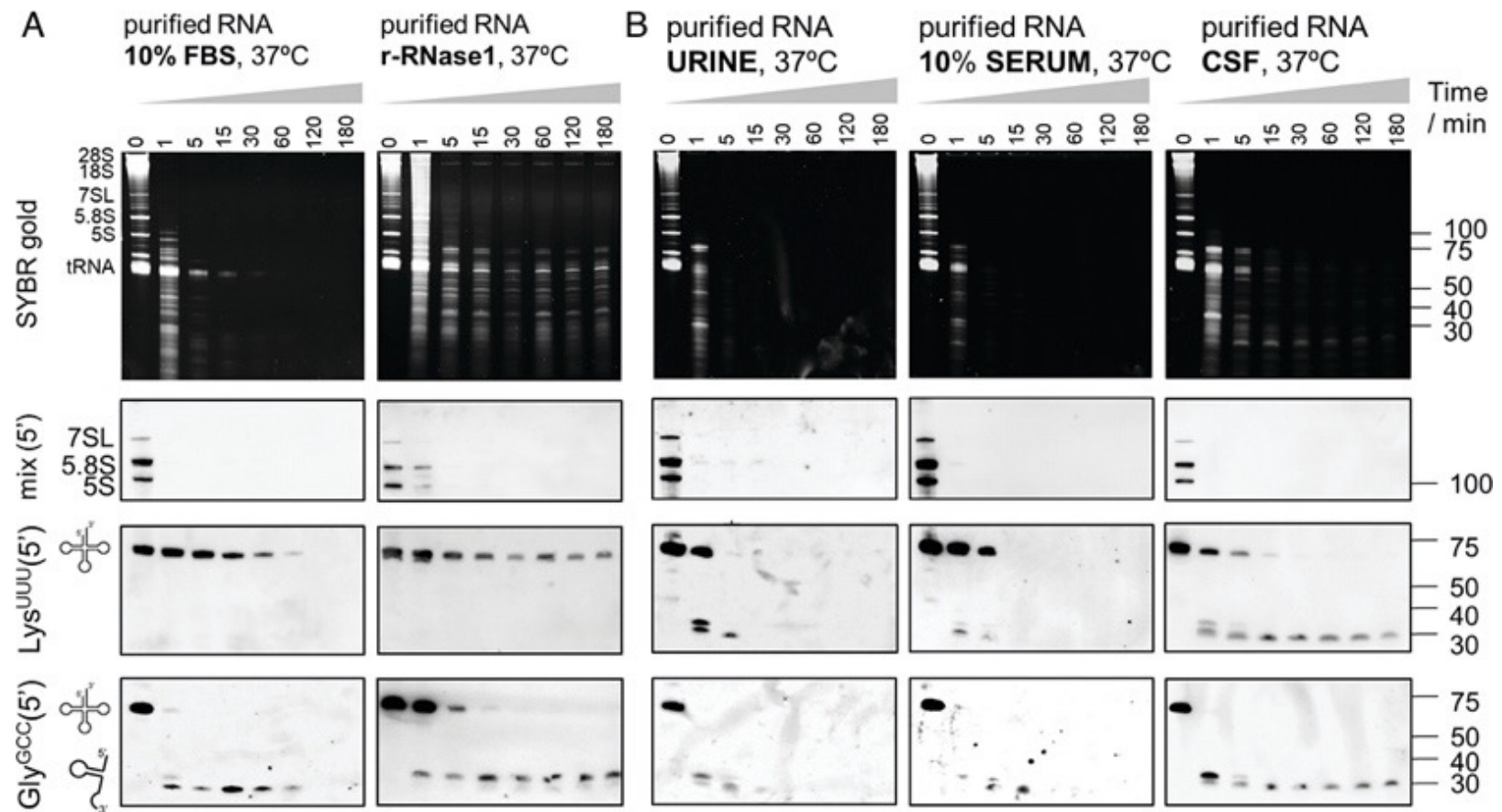
Example 3



Example 4:

<https://doi.org/10.1073/pnas.2216330120>

Example 4

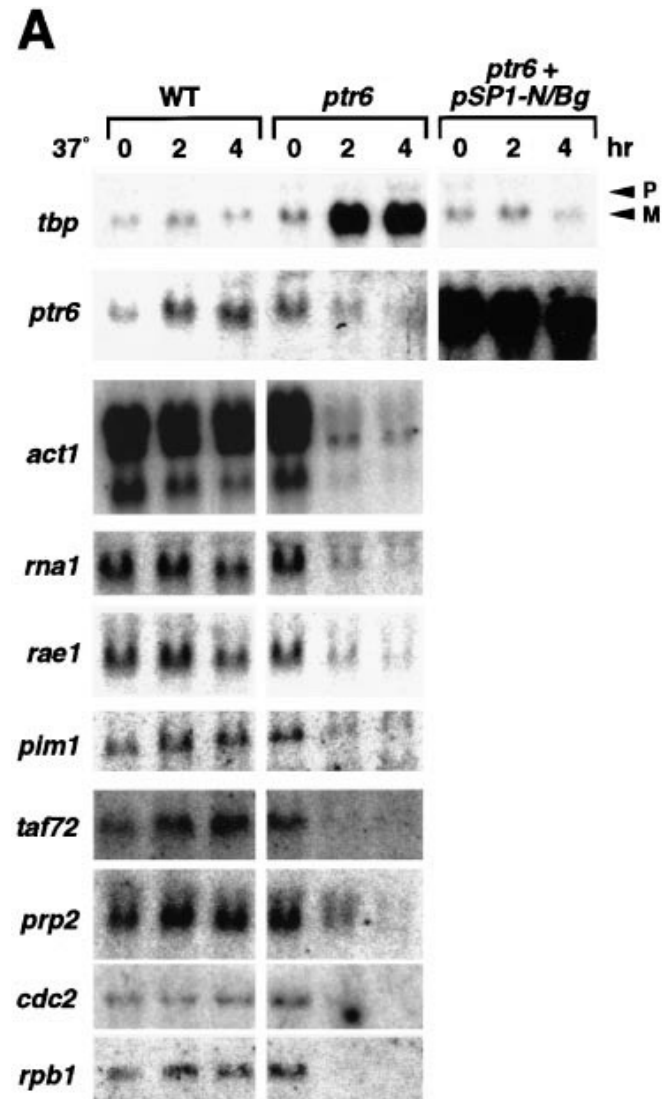


Example 5:

Shibuya, Toshiharu & Tsuneyoshi, Satomi & Azad, Abul & Urushiyama, Seiichi & Ohshima, Yasumi & Tani, Tokio. (1999). Characterization of the ptr6+ Gene in Fission Yeast: A Possible Involvement of a Transcriptional Coactivator TAF in Nucleocytoplasmic Transport of mRNA. Genetics. 152. 869-80.

10.1093/genetics/152.3.869.

Example 5



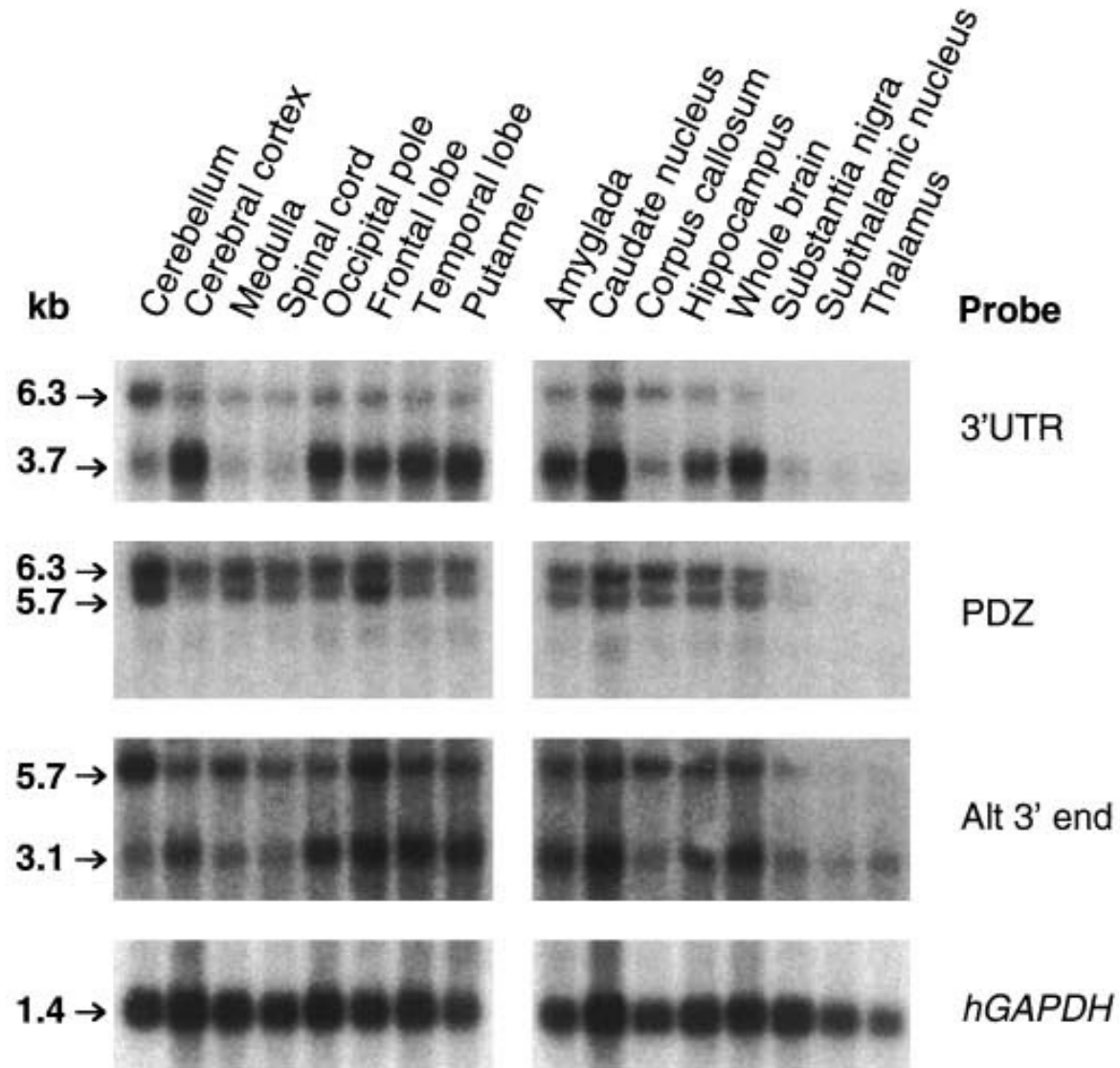
Example 6:

Snow, Bryan & Hall, Randy & Krumins, Andrejs & Brothers, Greg & Bouchard, Denis & Brothers, Carol & Chung, Stephen & Mangion, Joan & Gilman, Alfred & Lefkowitz, Robert & Siderovski, David. (1998). GTPase activating specificity of RGS12 and binding specificity of an alternatively spliced PDZ (PSD-95/Dlg/ZO-1) domain. The Journal of biological chemistry. 273. 17749-55.

10.1074/jbc.273.28.17749.

Example 6

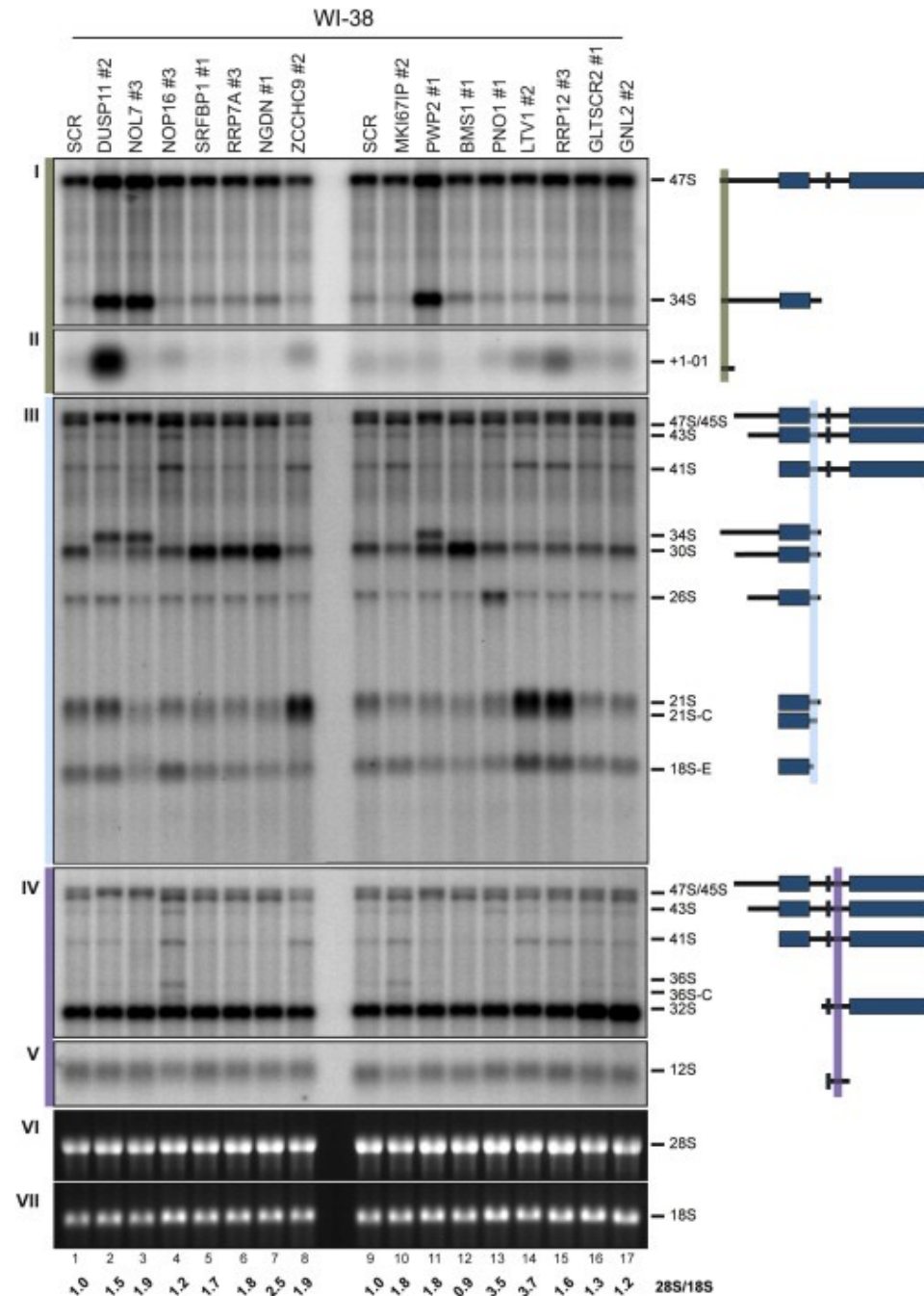
B



Example 7:

<https://doi.org/10.1016/j.molcel.2013.08.011>

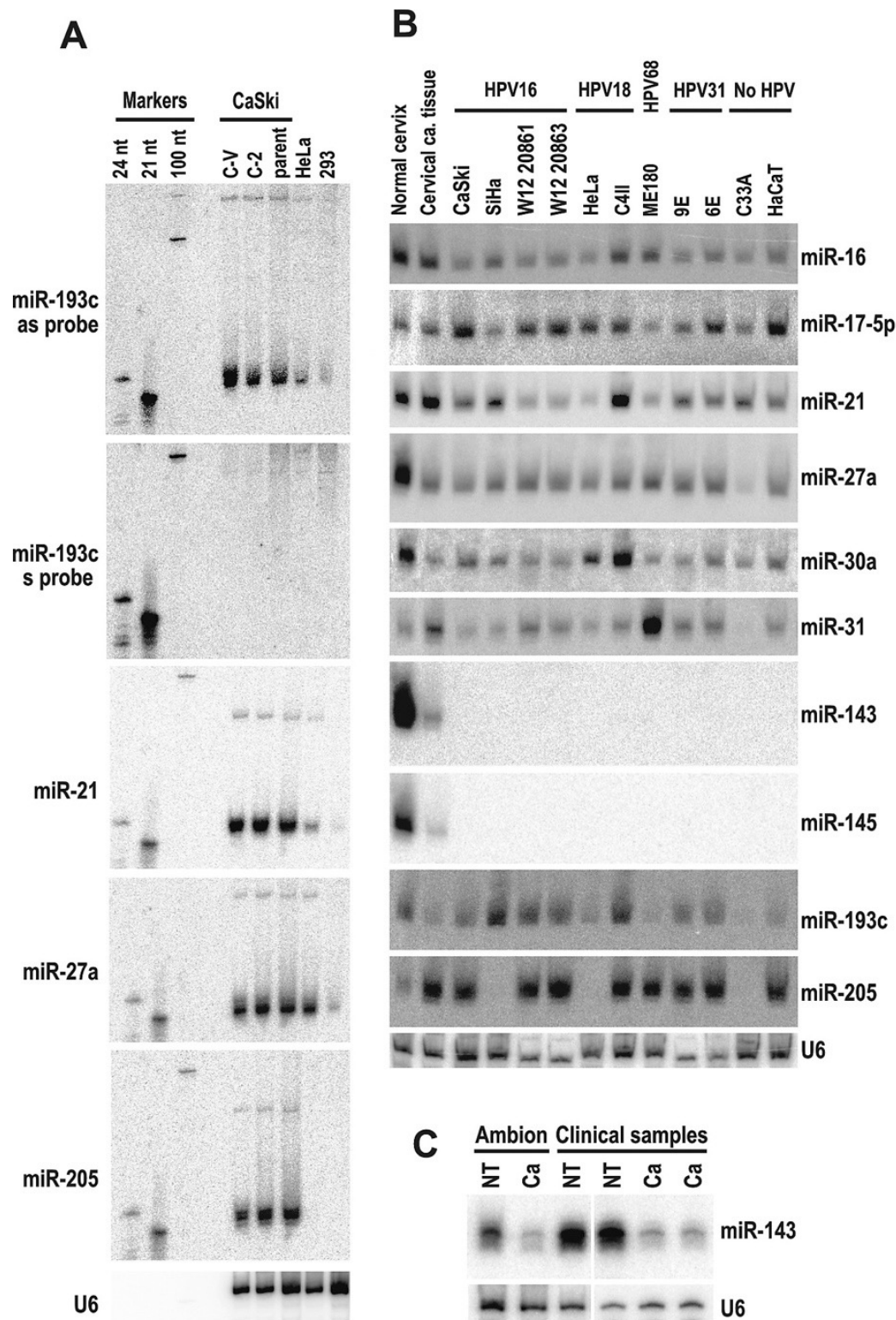
Example 7



Example 8:

Morello, Luis & Hesling, Cédric & Coltri, Patricia & Castilho, Beatriz & Rimokh, Ruth & Zanchin, Nilson. (2011). The NIP7 protein is required for accurate pre-rRNA processing in human cells. Nucleic acids research. 39. 648-65. 10.1093/nar/gkq758.

Example 8

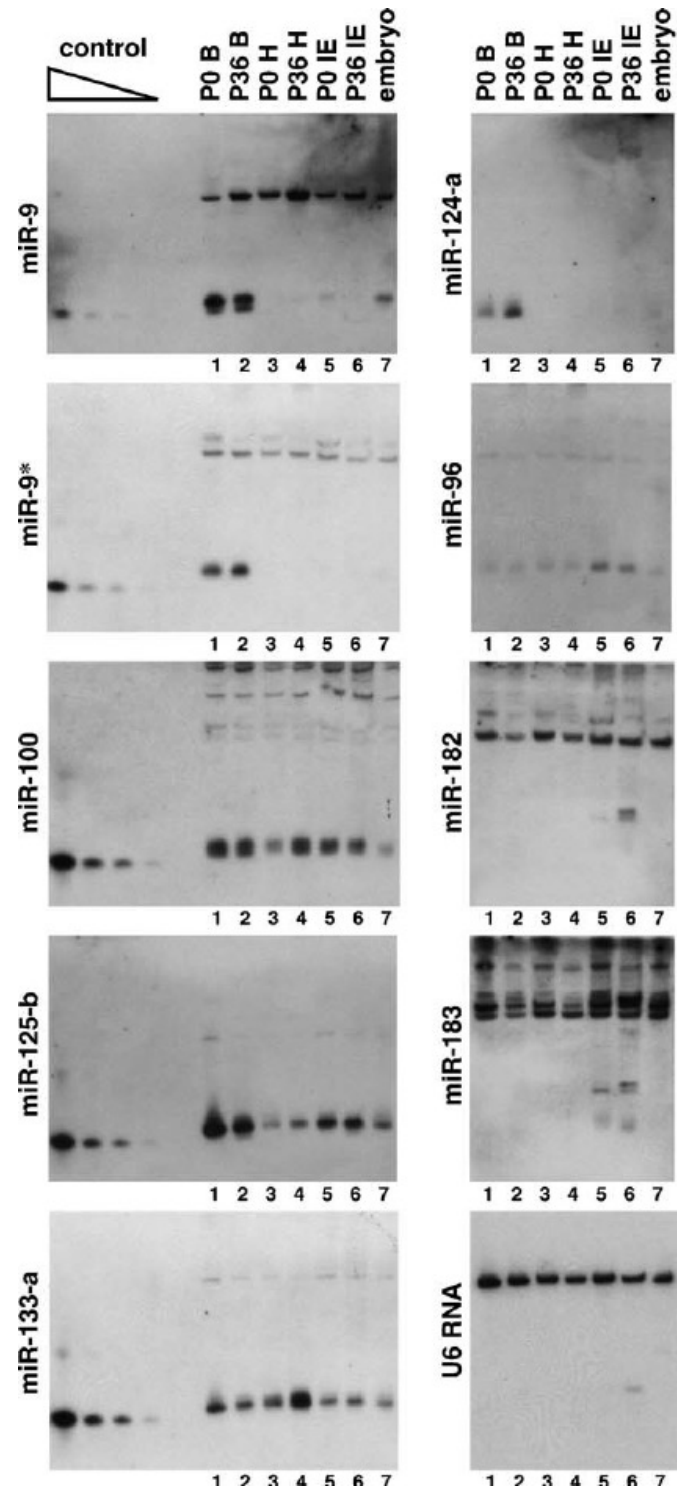


Example 9:

Clokie, Samuel & Lau, Pierre & Kim, Hyun & Coon, Steven & Klein, David. (2012). MicroRNAs in the pineal Gland: miR-483 regulates melatonin synthesis by targeting arylalkylamine N-acetyltransferase. The Journal of biological chemistry. 287. 25312-24.

10.1074/jbc.M112.356733.

Example 9

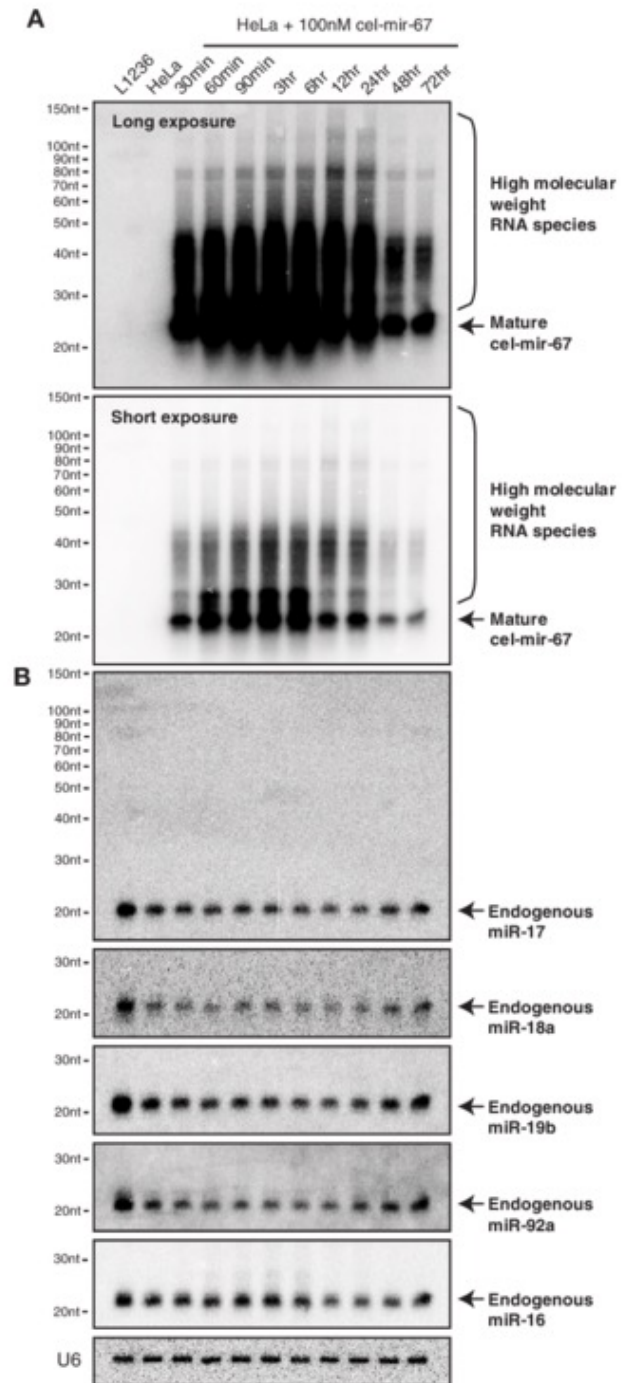


Example 10:

Chen, po & Manninga, Heiko & Slanchev, Krasimir & Chien, Minchen & Russo, James & Ju, Jingyue & Sheridan, Robert & John, Bino & Marks, Debora & Gaidatzis, Dimos & Sander, Chris & Zavolan, Mihaela & Tuschl, Thomas. (2005). The developmental miRNA profiles of zebrafish as determined by small RNA cloning. *Genes & development*. 19.

1288-93. 10.1101/gad.1310605.

Example 10

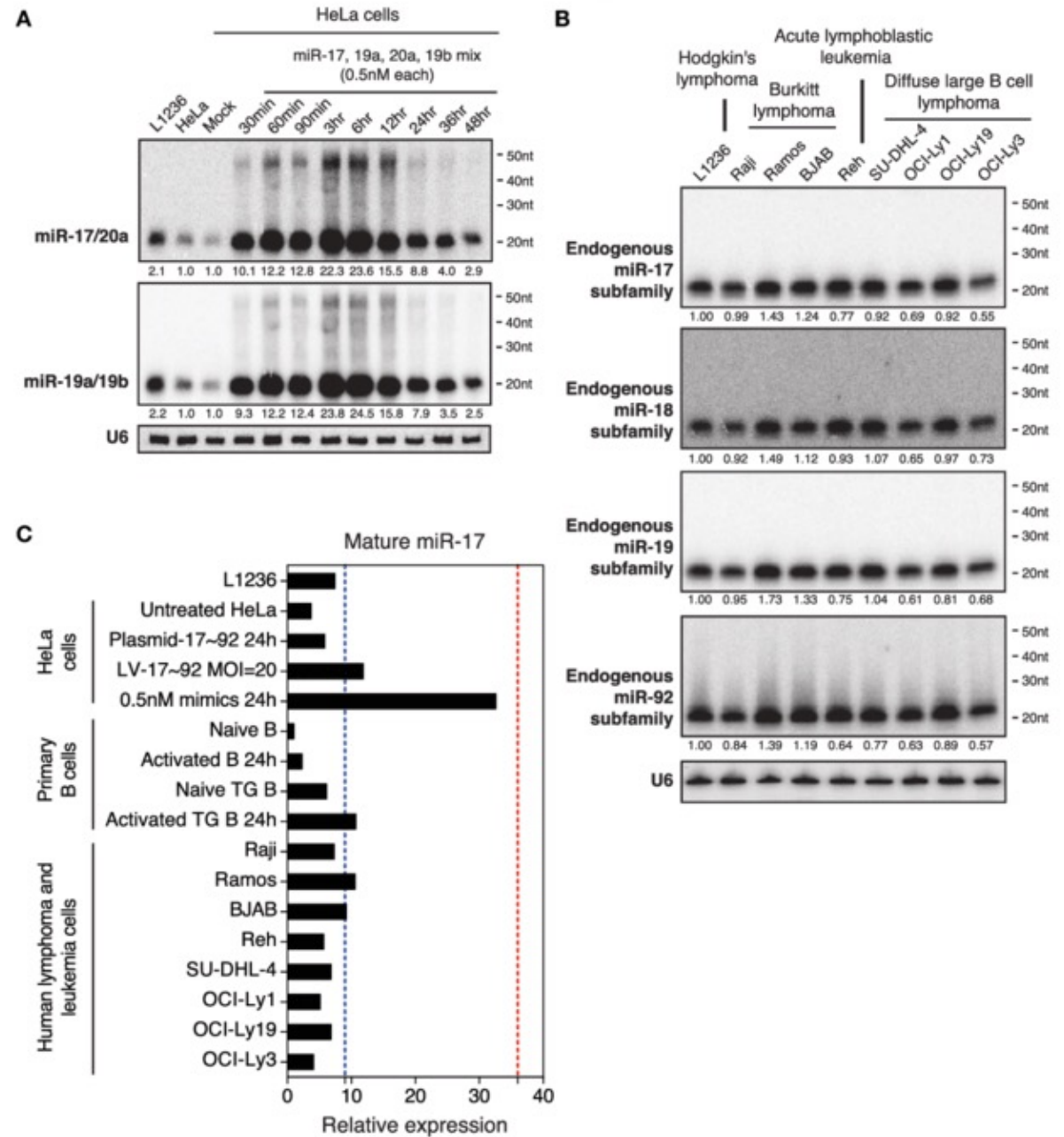


Example 11:

Jin, Hyun & Gonzalez-Martin, Alicia & Miletic, Ana & Lai, Maoyi & Knight, Sarah & Sabouri-Ghomi, Mohsen & Head, Steven & Macauley, Matthew & Rickert, Robert & Xiao, Changchun. (2015). Transfection of microRNA Mimics Should Be Used with Caution. *Frontiers in genetics*. 6. 340.

10.3389/fgene.2015.00340

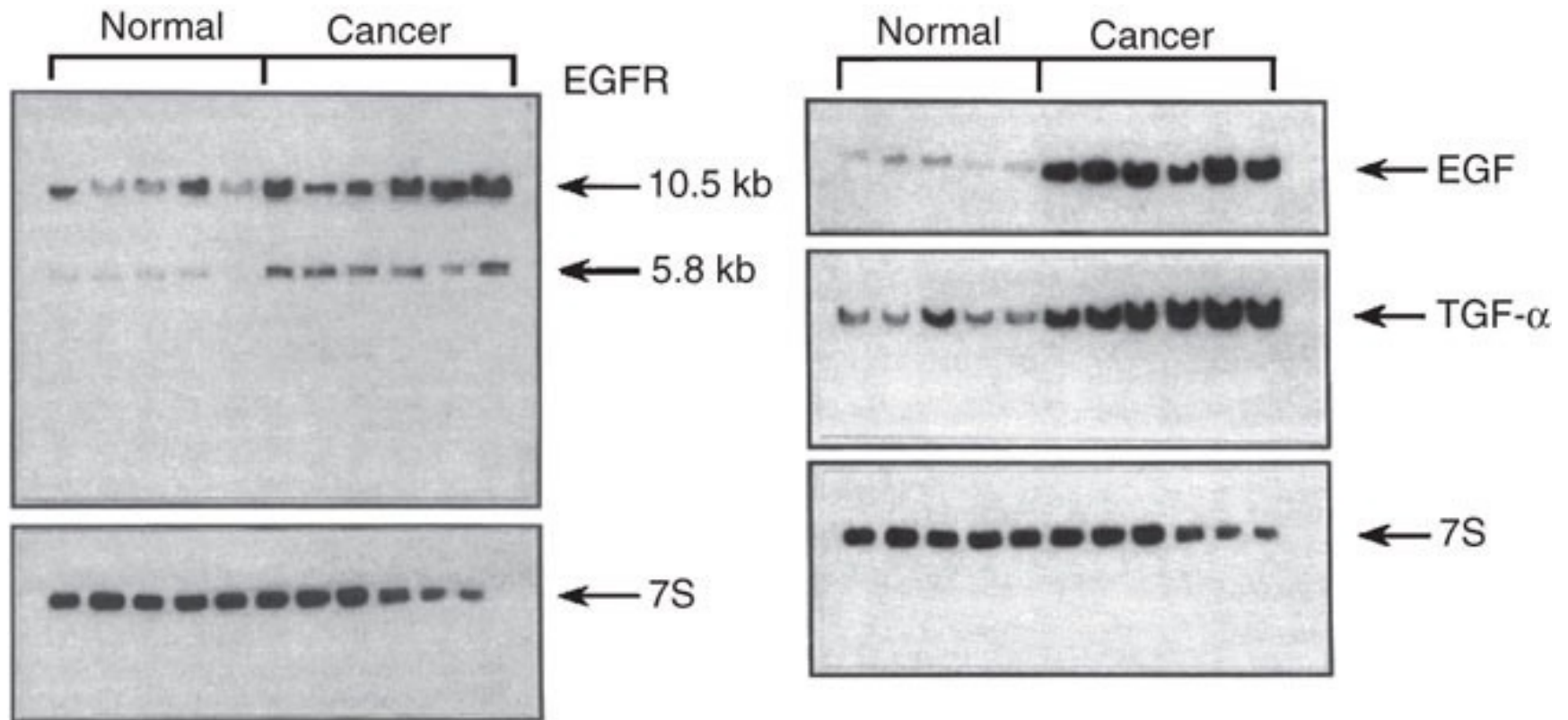
Example 11



Example 12:

Streit, S., Michalski, C., Erkan, M. et al. Northern blot analysis for detection and quantification of RNA in pancreatic cancer cells and tissues. Nat Protoc 4, 37–43 (2009).

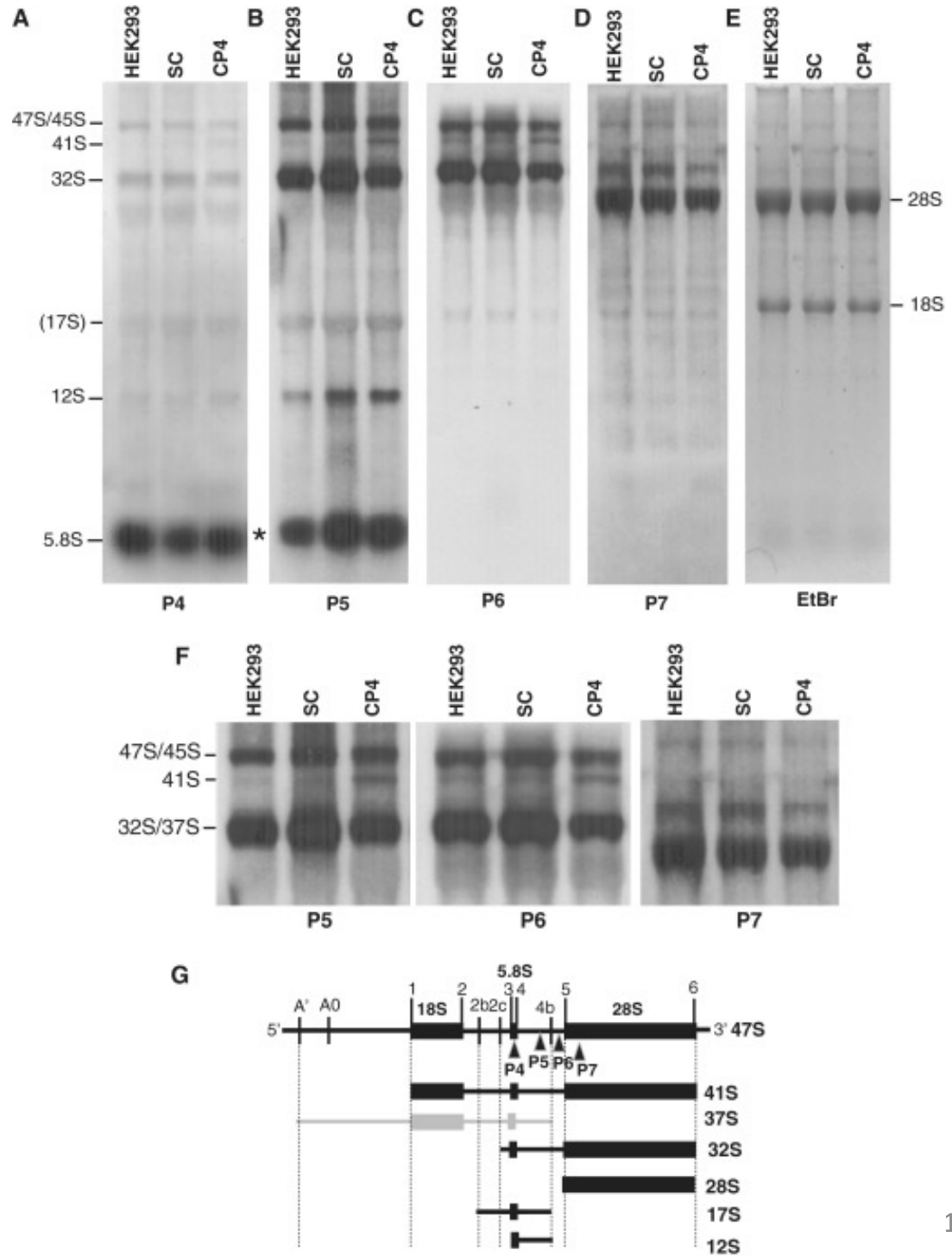
Example 12



Example 13:

Morello, Luis & Hesling, Cédric & Coltri, Patricia & Castilho, Beatriz & Rimokh, Ruth & Zanchin, Nilson. (2011). The NIP7 protein is required for accurate pre-rRNA processing in human cells. *Nucleic acids research*. 39. 648-65. 10.1093/nar/gkq758.

Example 13



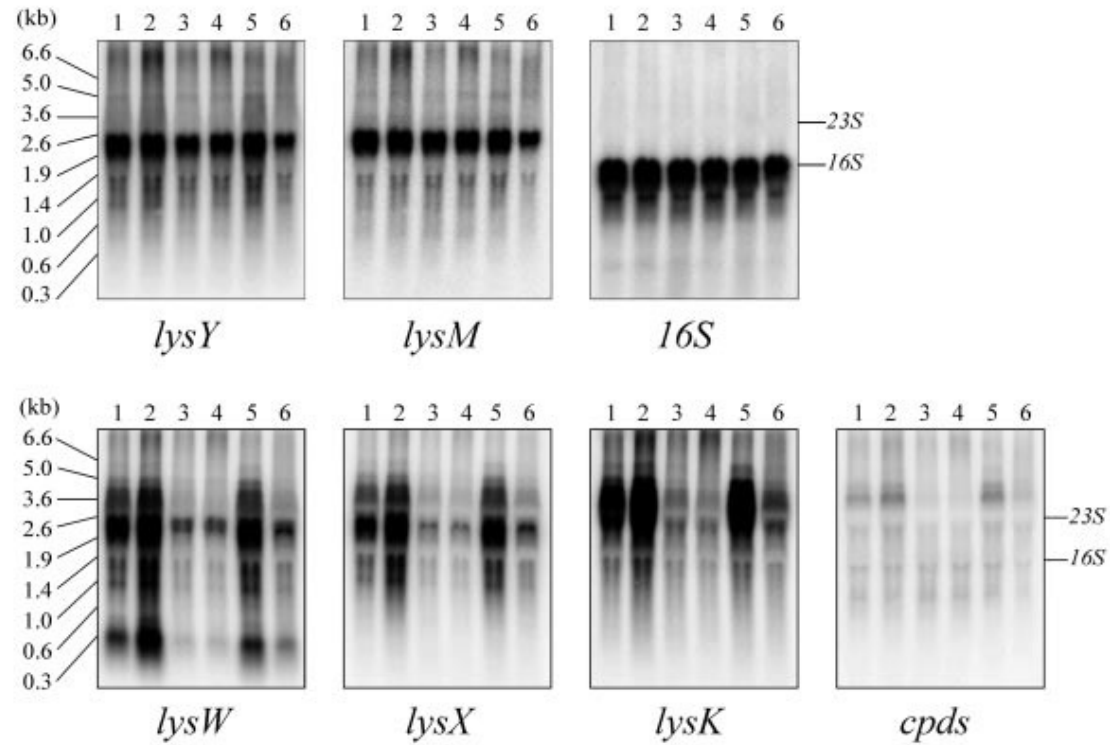
Example 14:

Brinkman, Arie & Bell, Stephen & Lebbink, Robert Jan & De Vos, Willem & Oost, John. (2002). The *Sulfolobus solfataricus* Lrp-like Protein LysM Regulates Lysine Biosynthesis in Response to Lysine Availability. *The Journal of biological chemistry*. 277. 29537-49.

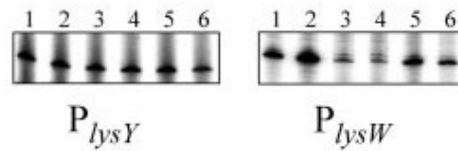
10.1074/jbc.M203528200.

Example 14

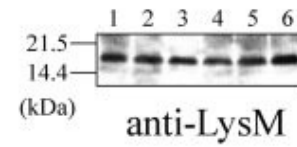
A



B



C



Example 15:

Fareh, M., Yeom, KH., Haagsma, A. et al. TRBP ensures efficient Dicer processing of precursor microRNA in RNA-crowded environments. Nat Commun 7, 13694 (2016).

<https://doi.org/10.1038/ncomms13694>

Example 15

