

Corrigendum

Stress-induced lncRNA LASTR fosters cancer cell fitness by regulating the activity of the U4/U6 recycling factor SART3

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In Figure 3H, the labels of the X-axis were inadvertently inverted at revision, the data remains correct.

A new figure is provided below.

This error does not affect the results or conclusion of the article.

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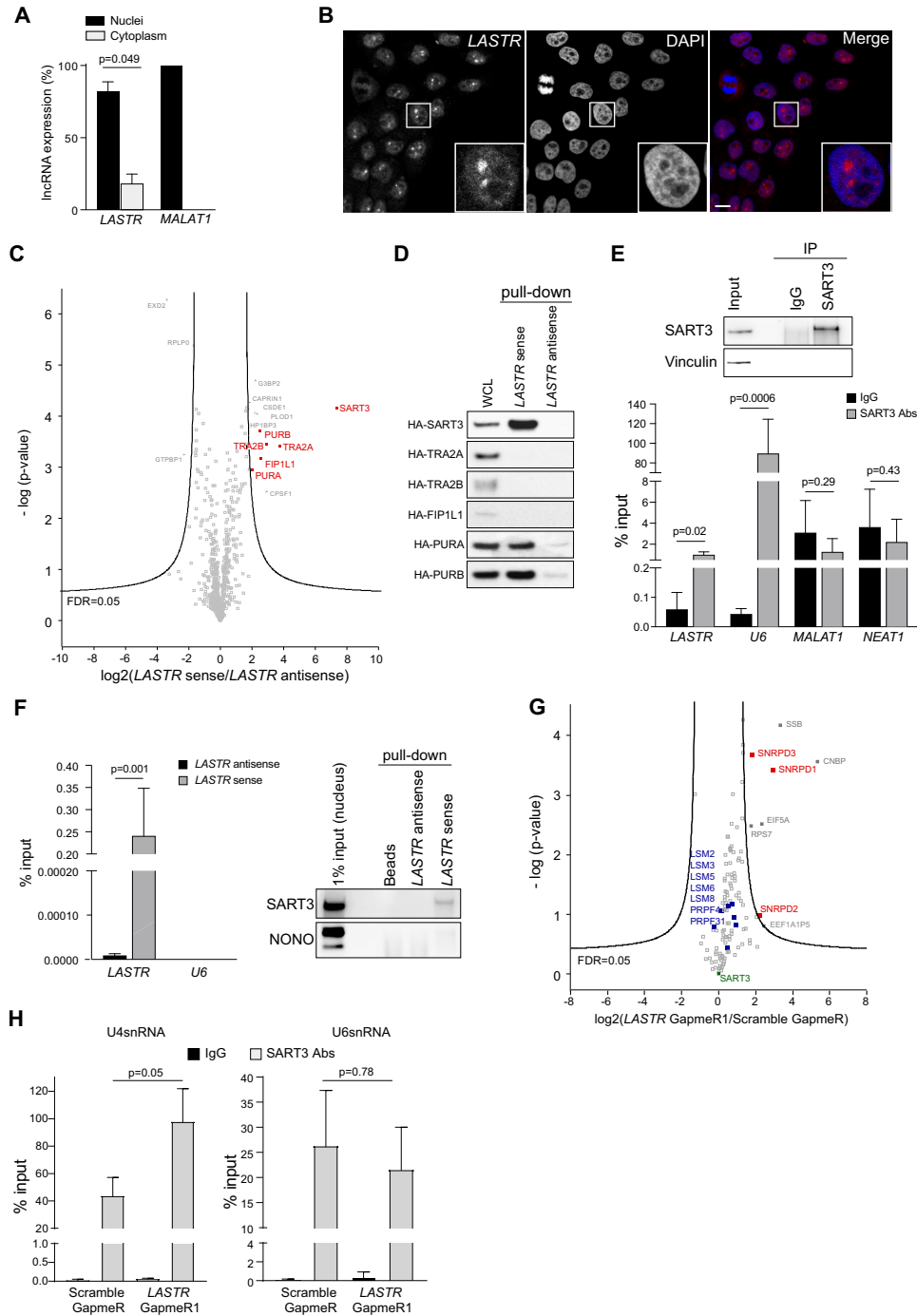


Figure 3. *LASTR* modulates SART3 interactions with U4snRNP and U6snRNP. (A) Subcellular localization of *LASTR*. *LASTR* expression was analysed by RT-qPCR in cellular fractions of MCF10A. Data are presented as mean \pm s.e.m.; *P*-values were determined by two-tailed t-tests, *n* = 3. (B) *LASTR* fluorescent in situ hybridization of MCF10A. *LASTR*-specific probe signals are shown in red. Scale bar, 10 μm. (C) Volcano plot showing *LASTR* interactors from triplicate pull-downs of total protein extracts from MCF10A cells. Proteins interacting with biotinylated *LASTR* sense or antisense strands were determined by MS. Putative nuclear interactors of *LASTR* are shown in red. (D) Validation of *LASTR* nuclear interactors. Biotinylated sense or antisense *LASTR* was used for pull-down from MCF10A cells ectopically expressing HA-tagged candidate proteins. The pull-down was followed by immunoblotting using anti-HA antibody. (E) SART3 was immunoprecipitated from MCF10A total protein extracts using anti-SART3 antibody. The presence of SART3 in the immunoprecipitate was detected by immunoblotting, the presence of the indicated non-coding RNAs in the SART3 immunoprecipitate was determined by RT-qPCR analysis. Data are presented as mean \pm s.e.m.; *P*-values were determined by two-tailed t-test, *n* = 3. (F) *LASTR* was pulled down from MCF10A cell lysates using biotinylated Stellaris probes. Stellaris probes against antisense *LASTR* were used as a negative control. SART3 and NONO were detected in the *LASTR* pull-downs by immunoblotting. (G) Volcano plot of SART3 interactors from triplicate pull-downs of total protein extracts from MCF10A cells treated with Scramble GapmeR or *LASTR* GapmeR1. U4-associated proteins are shown in red; U6-associated proteins are shown in blue. (H) Presence of U4snRNA and U6snRNA in SART3 immunoprecipitates as detected by RT-qPCR. SART3 immunoprecipitated from total protein extracts of MCF10A cells treated with Scramble GapmeR or *LASTR* GapmeR1 using anti-SART3 antibody. Data are presented as mean \pm s.e.m.; *P*-values were determined by two-tailed t-tests, *n* = 3.