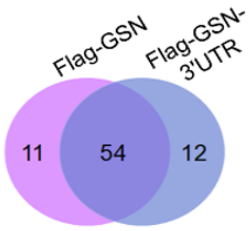


The anti-tumor functions of GSN 3'UTR in NSCLC cells

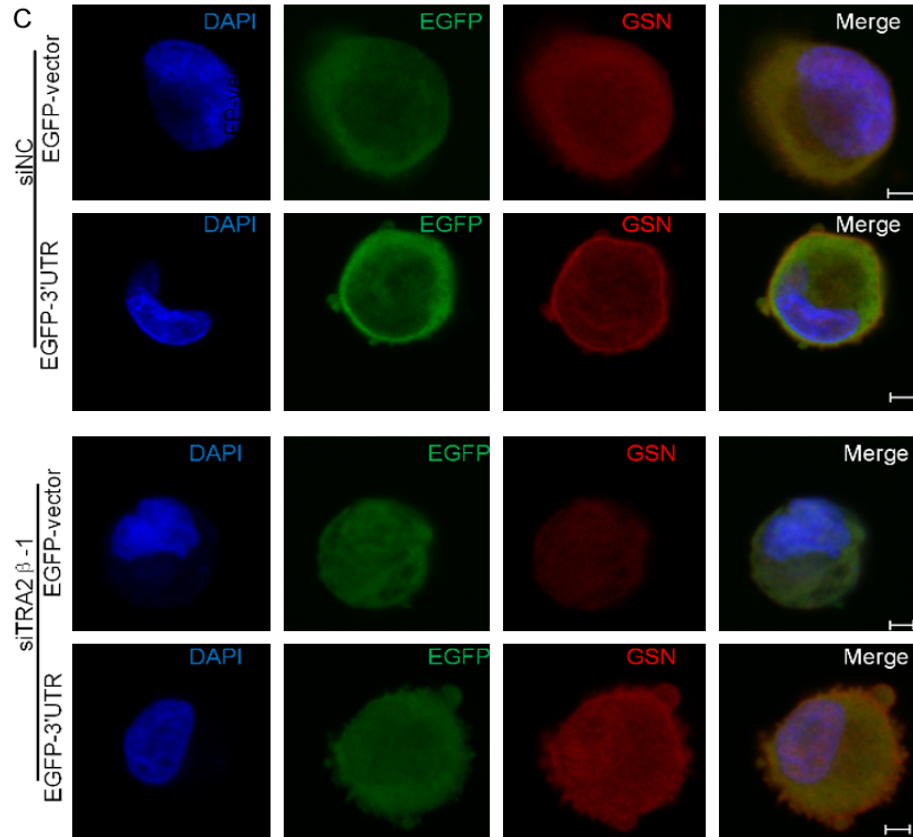
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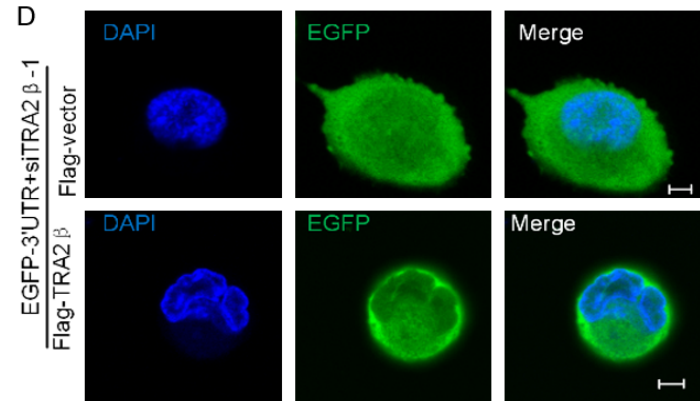
B

Number	Gene Name	Protein IDs	Protein Name
1	RSL1D1	O76021	Ribosomal L1 domain-containing protein 1
2	TRA2β	P62995	Transformer-2 protein homolog beta
3	H1FO	P07305	Histone H1.0
4	THRAP3	Q9Y2W1	Thyroid hormone receptor-associated protein 3
5	KRT8	P05787	Keratin, type II cytoskeletal 8
6	RRBP1	Q9P2E9	Ribosome-binding protein 1
7	RPS3	P23396	40S ribosomal protein 3
8	KRT18	P05783	Keratin, type I cytoskeletal 18
9	SSR3	Q9UNL2	Translocon-associated protein subunit gamma
10	RPS14	P62263	40S ribosomal protein 14
11	H2AFJ	Q9BTM1	Histone H2A.J
12	HIST1H2BM	Q99879	Histone H2B type 1-M

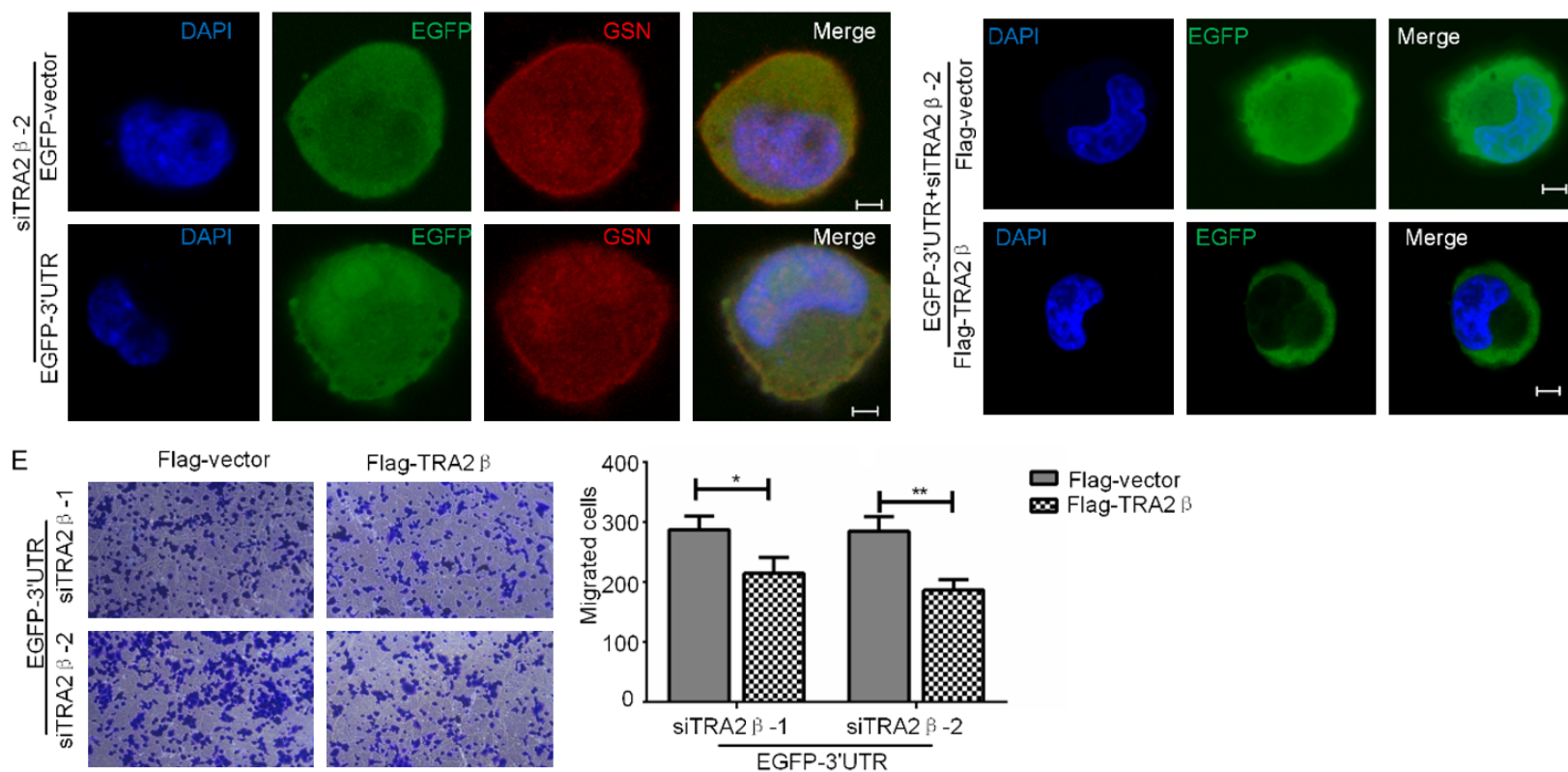
C



D



The anti-tumor functions of GSN 3'UTR in NSCLC cells



Supplementary Figure 1. (A) The Venn diagram showing the overlap between the proteins bound to *Flag*-GSN transcript and those to *Flag*-GSN-3'UTR transcript. (B) List of 3'UTR region-specific binding proteins. (C) H1299 cells were transfected with siNC or siTra2β-1 or siTra2β-2 for 24 h, and with EGFP-3'UTR or EGFP-vector for another 24 h, then subjected to immunofluorescence confocal microscopy for the subcellular localization of EGFP. (D, E) H1299 cells were co-transfected with EGFP-3'UTR and siTra2β-1 or siTra2β-2 for 24 h, and with Flag-tagged Tra2β or with empty vector for another 24 h, then subjected to IF assay (D) or transwell migration assay (E). Scale bars: 10 μm.