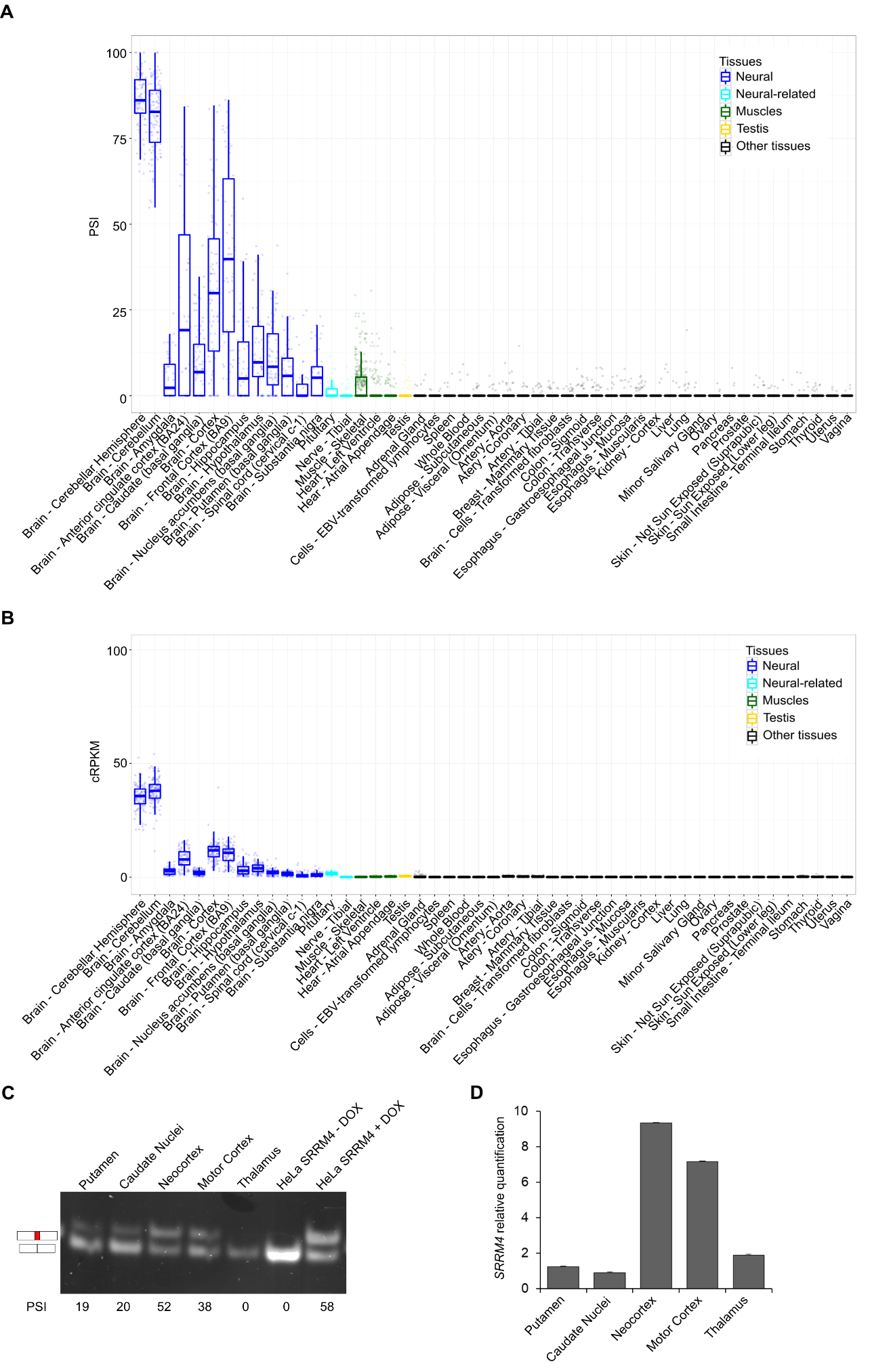
**Supplementary Figure 1: Additional validation of isoform-specific TAF1 antibodies.**

Immunohistochemical detection is shown for cTaf1 (A-A''), Taf1-34’ (B-B'') and Srrm4 (C-C''). Controls show labeling with secondary antibody alone (D-D''). Sections from adult mouse heart (A-D), liver (A'-D'), and brain (A''-D'') all show labeling for cTaf1, but Taf1-34’ and Srrm4 are detected mainly in brain. Taf1-34’ and Srrm4 immunoreactivity was strong in the neuron-rich brain regions compared to the glia-rich corpus callosum. Scale bars in (D) and (D') are 10 μm and are applicable to (A-D) and (A'-D'), respectively. Scale bar in (D'') is 100 μm and is applicable to (A''-D''). Cx, CC and St in panel D'' indicate respectively cerebral cortex, corpus callosum and striatum. Extended data from Figure 2E-H is depicted in panels E to L, showing not induced and DOX-treated cell lines. Panels E-H show immunoreactivity using the cTAF1 antisera, while panels I to L show immunoreactivity using the TAF1-34’ antisera. HeLa cell lines with inducible expression of GFP-fused cTAF1 or TAF1-34’ are used as validation. Panels E and I depict HeLa GFP-cTAF1 cell lines, not induced, panels F and J depict HeLa GFP-cTAF1 cell lines induced with DOX, panels G and K depict HeLa GFP-TAF1-34’ cell lines, not induced while panels H and L depict HeLa GFP-TAF1-34’ cell lines induced with DOX. Immunoreactivity for TAF1-34’ was only evident upon DOX induction of the TAF1-34’ expressing cell line (L). Inserts show magnifications of sampled cells. Images were all taken in parallel with identical camera settings. Scale bar in (E) is 10 μm and is applicable to (E-L).

The ISH and IHC performed on mouse brains indicated that cTaf1 and Taf1-34’ have different expression patterns within the forebrain. We therefore validated this differential distribution in the human brain by analyzing RNA-seq data (Supplementary Figure S2, panels A-B) and RT-PCR (Supplementary Figure S2, panels C-D) from specimens from the striatum (caudate nucleus and putamen), neocortex, motor cortex, and thalamus. Consistent with the ISH data from the mouse brain, we confirmed that the inclusion of microexon 34’ is more prominent in the neocortex than within the striatum, while not detectable in the thalamus. The expression pattern of *SRRM4* correlates with microexon 34’ inclusion, supporting their inter-dependency.

In conclusion, the mRNA ISH, RNA-seq and IHC analyses show that Taf1-34’ and Srrm4 are preferentially expressed in post-mitotic neurons relative to the more widespread expression of cTaf1. Importantly, the IHC analysis validated the sensitivity and accuracy of BaseScope™ technology to detect microexon 34'-containing *Taf1* mRNAs *in situ* (Figure 1) indicating that this is a versatile approach for the *in situ* detection of microexon sequences.



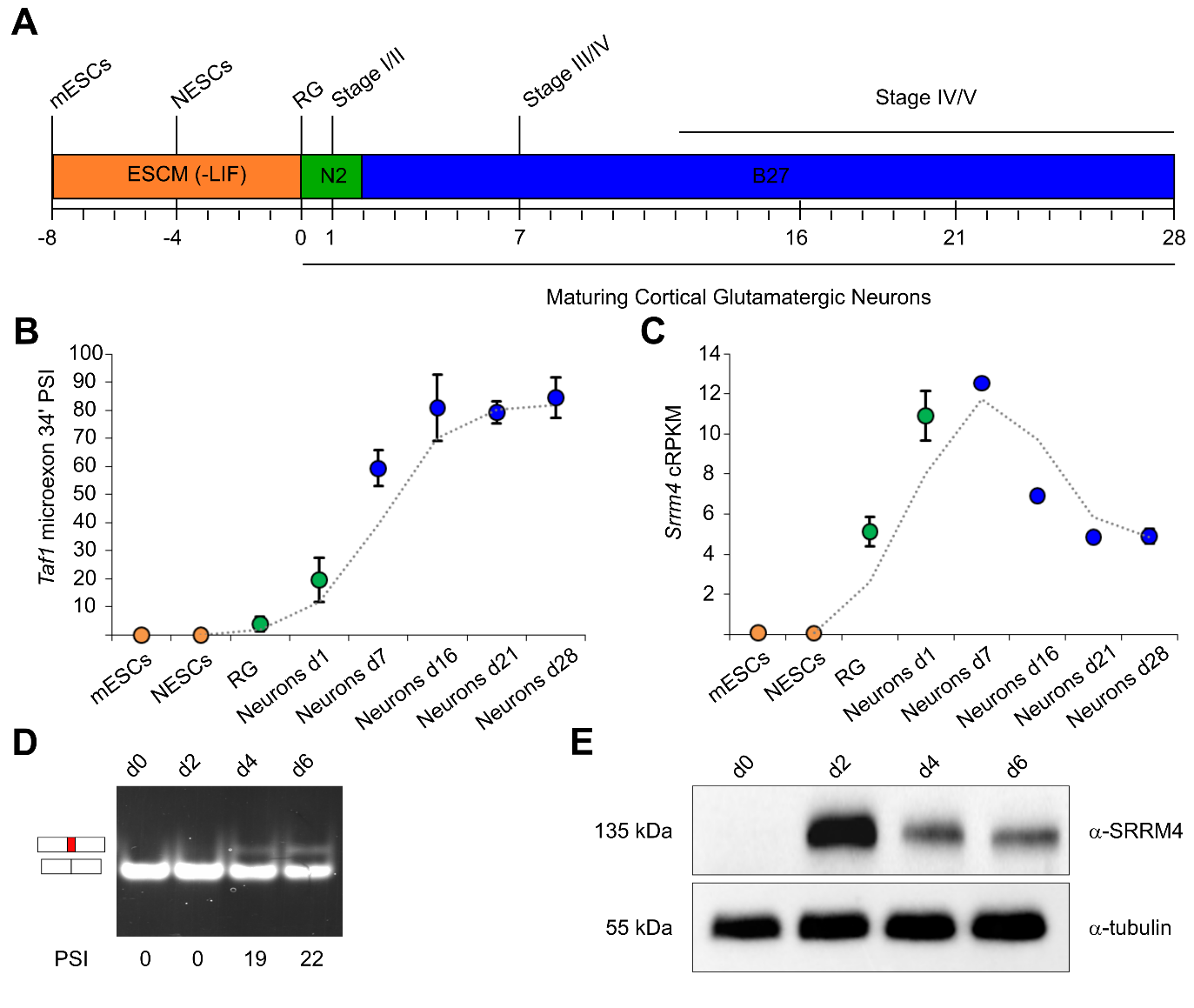
**Supplementary Figure S2. *cTAF1*, *TAF1-34’* and *SRRM4* expression in the human brain.**

GTEx data was obtained for microexon 34’ incorporation (A) and *SRRM4* expression (B) using Vastdb (14). Microexon 34’ incorporation is evaluated with the percentage-spliced-in (PSI) matrix (A), while SRRM4 expression level is depicted as cRPKM (B). The analysis confirmed that the presence of both *TAF1-34’* and *SRRM4* RNAs is mainly restricted to human neuronal tissues. RT-PCR products with microexon 34’ incorporation were analyzed in human brain tissue samples and, for size comparison, were run alongside products from HeLa cell lines that were not induced (-DOX) or induced (+DOX) to express SRRM4 (C). RT-qPCR analysis for *SRRM4* expression was quantified among samples from different regions of human brain. Error bars indicate the standard deviation of three technical replicates (D).

*Inclusion of microexon 34’ into TAF1 mRNAs occurs in the later stages of neuronal differentiation*

The analysis of cTaf1 and Taf1-34’ expression in the mouse brain suggested that these two isoforms display a temporal regulation. To investigate when during neural development Taf1-34’ first emerges, we examined the expression profile of this isoform using RNA-seq data collected at different time points during differentiation of mouse embryonic stem cells (mESCs) into cortical glutamatergic neurons (15) (Figure 3A). Inclusion of microexon 34’ was evaluated using the Percentage-Spliced-In (PSI) metric, which determines the percentage of *Taf1* mRNAs containing microexon 34’. This study indicated that microexon 34’ is incorporated into *Taf1* mRNA at the beginning of neuronal differentiation, reaching the highest value in mature post-mitotic neurons (Figure 3B). At earlier stages, when neuroepithelial cells and radial glia were undergoing divisions, microexon 34’ was not detectable. The expression of *Srrm4* mRNA began in glial daughters and peaked in the early phase of neuronal maturation. As neuronal differentiation proceeded, *Srrm4* expression decreased (Figure 3C). These results indicate a switch from *cTaf1* to *Taf1-34’* expression in the early phase of neuronal differentiation with a further increase in *Taf1-34’* expression in mature neurons. Interestingly, *Srrm4* expression peaks with the earliest detection of microexon 34’, suggesting that Srrm4 initiates the transition of *cTaf1* to *Taf1-34’* mRNAs during fate determination. We next validated the temporal expression pattern of SRRM4 and the resulting shift between cTAF1 and TAF1-34’ in a human differentiation cell system, using the LUHMES cell line. LUHMES are human mesencephalic cells, which have been immortalized by *v-myc*. This oncogene is repressed in a tetracycline-dependent manner, which induces LUHMES cells to exit cell cycle and differentiate into morphologically and biochemically post-mitotic dopamine-like neurons (16, 17). Immunoblot analysis showed that endogenous SRRM4 was detectable at day 2 of differentiation and its expression was decreasing in later differentiation stages (Figure 3E). Consistent with SRRM4 expression, the incorporation of microexon 34’ into *TAF1* mRNA was observed only in the latest differentiation points (day 4 and day 6) (Figure 3D).

Taken together, this data suggests that the neuronal SRRM4 splicing factor is the driver of the switch of *cTAF1* to *TAF1-34’* expression, which coincides with the neuronal maturation of mammalian brain cells.



**Figure 3. Expression of *cTAF1*, *TAF1-34’* and *SRRM4* mRNAs during *in vitro* neuronal differentiation.**

Mouse embryonic stem cells (mESCs) were differentiated towards cortical glutamatergic neurons as depicted in panel A (adapted from (15)). The percentage-spliced-in (PSI) of microexon 34’ (B) and *Srrm4* expression level (C) were calculated at different time points (mESCs: day -8; neuroepithelial stem cells - NESCs: day -4; radial glia - RG: day 0; neuronal differentiation stage I-II: day 1; stage III-IV: day 7; stage IV-V: days 16, 21, 28). Dotted lines in panels B and C indicate the data trend line. cRPKM indicates corrected reads per kilo base per million mapped reads. Microexon 34’ incorporation in *TAF1* mRNAs (D) correlates with SRRM4 expression (E) in the LUHMES differentiation assay.

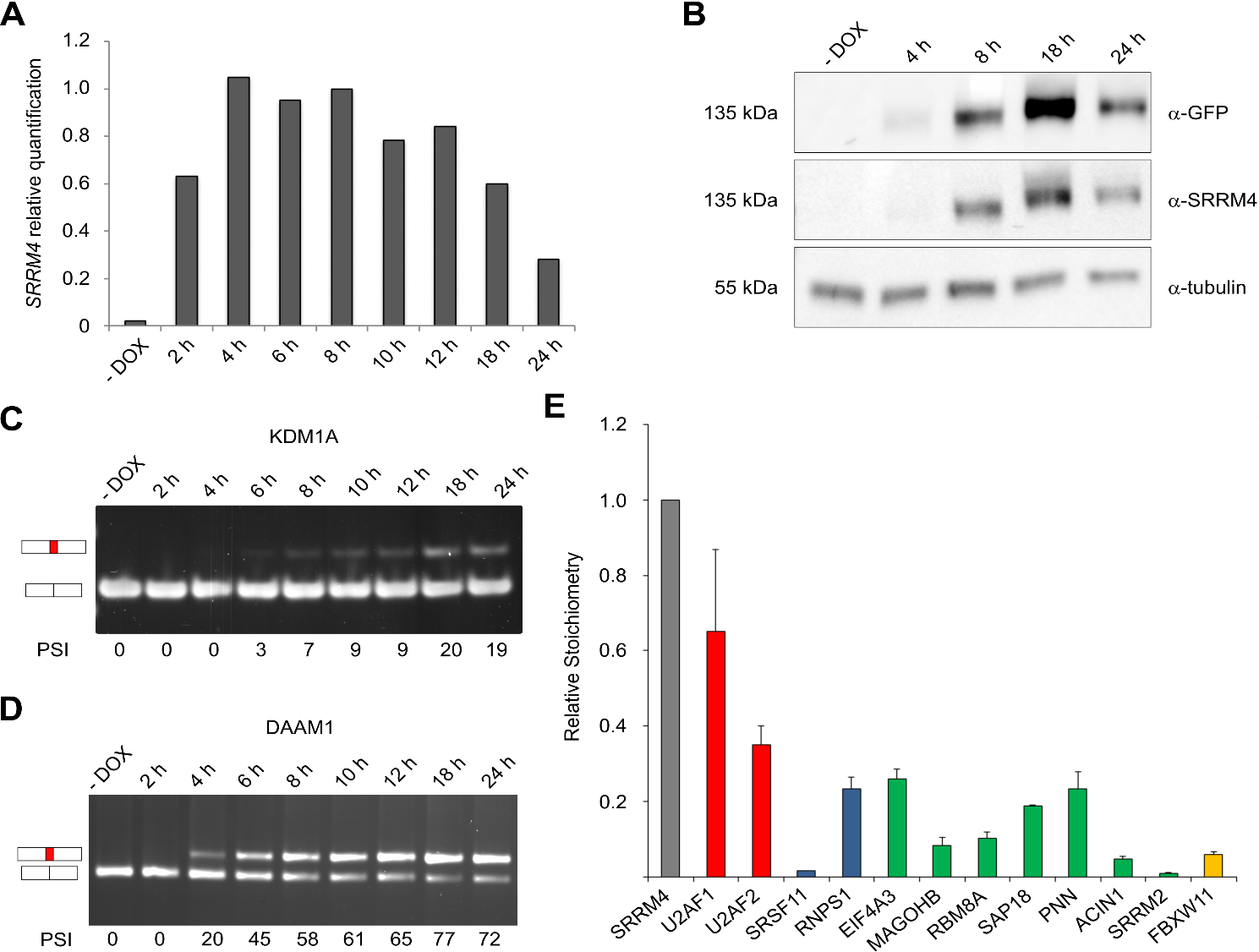
*SRRM4 promotes the inclusion of the alternative microexon 34’ in TAF1 mRNA*

To investigate the direct involvement of SRRM4 in *TAF1* pre-mRNA splicing, we engineered HeLa cells to conditionally express an N-terminally GFP-tagged SRRM4. DOX-inducible expression of this transgene was confirmed by immunoblotting and immunofluorescence (Figure 4A and 4B). Consistent with recent results (18), the exogenous GFP-SRRM4 was localized in the nuclear compartment (Figure 4C) within the nuclear speckles, which was confirmed by its co-localization with the SRSF2/SC35 splicing factor (Figure 4D).

The contribution of SRRM4 in microexon 34’ incorporation in *TAF1* mRNA was examined during a time-course induction of GFP-SRRM4 expression in HeLa cells (Supplementary Figure S3A and S3B). For this analysis, we developed a polyacrylamide gel system to resolve RT-PCR products containing the 6-nt of microexon 34' from *cTAF1*. With this system, we observed that the progressive SRRM4 expression coincided with increased microexon 34’ inclusion that reached a PSI of 74% after 18 h of DOX treatment (Figure 4E). Microexon 34’ inclusion lagged only shortly behind GFP-SRRM4 induction, which indicates a rapid turnover of the pool of *TAF1* mRNAs (Figure 4F). We examined two other microexon splicing events, the incorporation of microexon 8A in *KDM1A* and microexon 16 in *DAAM1*, that have been attributed to SRRM4 and observed inclusion of both microexons into their respective mRNAs upon SRMM4 induction in HeLa cells (Supplementary Figure S3C and S3D).

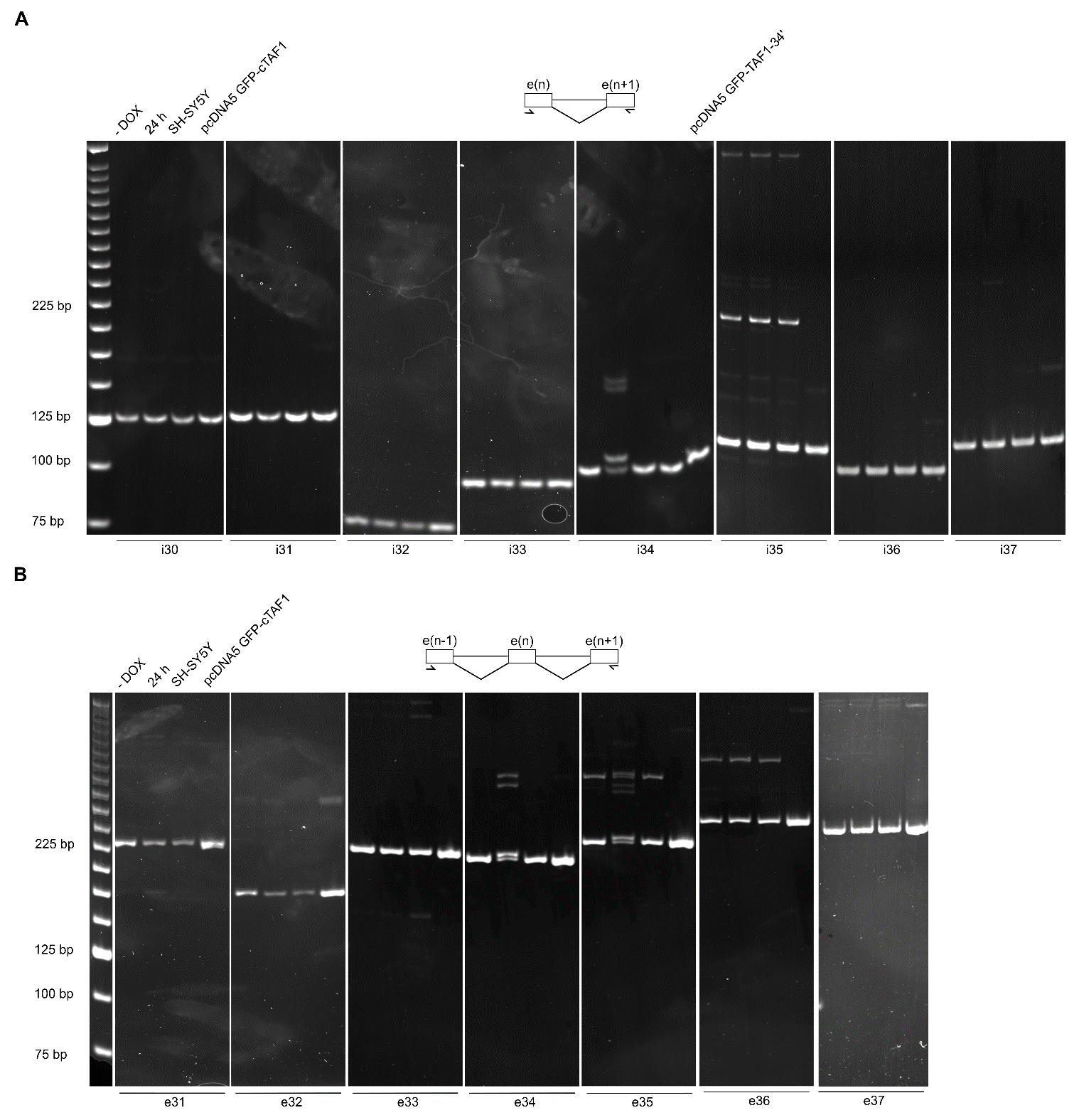
To determine whether Srrm4 is required for inclusion of *Taf1* microexon 34’ in neuronal cells, we examined RNA-seq data from mouse neuroblastoma N2a cells after siRNA-mediated knockdown of endogenous *Srrm4* expression (2). The PSI for microexon 34' inclusion in untreated N2a cells was ~18% and was reduced to 6% after *Srrm4* knockdown (Figure 4G). The interdependency of microexon 34’ and *Srrm4* was also confirmed using RNA-seq data from neocortical and hippocampal samples taken from a conditional *Srrm4* knockout model (3). These results demonstrate that the reduced expression of *Srrm4* correlates with reduced microexon 34’ incorporation in *Taf1* mRNA *in vivo* (Figure 4H). Besides microexon 34’, additional alternative splicing (AS) events have been described for the downstream exons of *TAF1* (6, 8, 19, 20). To determine whether SRRM4 contributes to these splicing events, *TAF1* mRNAs from GFP-SRRM4-expressing HeLa cells were scanned by RT-PCR using primer pairs spanning exon 30 to the final exon 38. The primers were designed to analyze the splicing events occurring across introns or exons of this region, to detect both alternative exon inclusion and exon skipping. This scanning confirmed that *TAF1* mRNA undergoes several AS events and that only the inclusion of microexon 34’ is SRRM4-dependent (Supplementary Figure S4). In addition, this analysis confirmed that the alternative splicing of microexon 34’ and exon 35’ are independent events and that the two alternative exons can be part of the same *TAF1* isoform (8, 20). To determine whether SRRM4 supports *TAF1* microexon 34' inclusion in different cell types, we generated GFP-SRRM4 expressing cells derived from human RPE1 retinal pigmented epithelial cells and human U-2 OS osteosarcoma cells (Figure 5A to 5D). As with HeLa cells, DOX-induction of GFP-SRRM4 expression in these two non-neuronal backgrounds resulted in the inclusion of microexon 34’ in *TAF1* mRNA (Figure 5E). The PSI values for microexon 34’ correlated with GFP-SRRM4 expression levels across different cell types. Compared to HeLa and U-2 OS cells, RPE1 cells expressed GFP-SRRM4 at lower levels and 50% of *TAF1* mRNAs included microexon 34’. By contrast, HeLa and U-2 OS cells expressed GFP-SRRM4 at similarly high levels and displayed a similar PSI (69% and 76% after 24 h of induction, respectively).

Taken together, these results show that exogenous expression of SRRM4 directs inclusion of microexon 34’ in *TAF1* mRNAs. This alternative splicing event can be induced in non-neuronal cell systems, which underlines the powerful action of SRRM4 in driving microexon 34’ inclusion.



**Supplementary Figure S3. SRRM4 targets and interactome.**

HeLa GFP-SRRM4 induction time curve has been verified on both mRNA (A) and protein (B) level at different time points (relative to Figure 4E-F). The decreased mobility of GFP-SRRM4 at later time points relates to increased phosphorylation (21). GFP-SRRM4 induction in HeLa cells promotes the alternative splicing of the known targets *KMD1A* exon 8a (C) and *DAAM1* exon 16 (D). GFP-SRRM4 interactome was investigated using qMS and the relative stoichiometry of SRRM4 interaction partners is depicted in panel E.



**Supplementary Figure S4. Microexon 34’ is a specific target of SRRM4 within *TAF1* pre-mRNA.**

Intron (A) and exon (B) scanning over *TAF1* mRNA between exon 30 and exon 38. The different lanes correspond to the following cDNAs: non-induced HeLa GFP-SRRM4 cells (-DOX), DOX-induced HeLa GFP-SRRM4 cells (24 h) and SH-SY5Y cells. GFP-cTAF1 cDNA was used as a size control. For the intron scanning panel i34, a GFP-TAF1-34’ cDNA was included as an additional control. In the panel i35, the detected additional band at 225 bp is compatible with the size of the previously described exon 35' (102 bp) (19).

*Interactome of ectopically expressed SRRM4 supports its splicing function*

Several SRRM4 interactors have been described by mass spectrometry in 293T cells (2) and N2a cells (18). We examined the hierarchy of SRRM4 interactors by iBAQ-based quantitative mass spectrometry (qMS) of GFP-SRRM4 purified from nuclear extracts of DOX-induced HeLa cells (Supplementary Figure S3E). This procedure identified U2 snRNP auxiliary splicing factor, composed of the U2AF1 (U2AF35)/ U2AF2 (U2AF65), as a major interactor of SRRM4. This complex, which binds to the 3’ AG dinucleotide and the polypyrimidine tract element, promotes the recruitment of U2 snRNP to adjacent branch sites (22). Stoichiometry values indicated that ~40% of GFP-SRRM4 protein forms a stable complex with U2AF1/U2AF2. Among the other GFP-SRRM4 interactors are the RNPS1 and SRSF11 splicing factors (relative stoichiometries of 0.25 and 0.01, respectively), which have been recently identified as co-regulators of SRRM4-dependent microexon splicing (18). Also consistent with recent results (18), core components of the Exon Junction Complex (EIF4AIII, RBM8A, and MAGOHB) and its auxiliary proteins (PNN, ACIN1, SRRM2 and SAP18) were also identified, and these account for 10-20% of the recovered SRRM4 complexes. Our analysis further confirmed the interaction with FBXW11, which has been proposed recently as a regulator of SRRM4 proteolysis (18). The list of statistically significant interactors of GFP-SRRM4 in HeLa cell nuclear extract (with relative stoichiometry above 0.01) is provided in Supplementary Table S2.

*UGC motifs upstream of TAF1 microexon 34’ are critical for SRRM4-mediated alternative splicing*

A previous study identified UGC-containing motifs as critical SRRM4 binding sites to promote neuronal microexon inclusion (2). Sequence analysis of *TAF1* intron 34' sequences revealed the presence of two UGC motifs located in the proximity of the 3’ splice site of microexon 34’ (-18 and -29 nt). We investigated their involvement in microexon 34’ incorporation in a minigene reporter assay. The *TAF1* minigene reporter included *TAF1* sequences spanning from exon 33 to the final codon of exon 35. This embeds the sequence of the neuron-specific microexon 34’ with the flanking introns 33 and 34. The minigene reporter was designed as an in-frame fusion product with a GFP N-terminal tag to permit GFP-specific enrichment during RT-PCR analysis and to allow the discrimination from endogenous *TAF1* mRNA splicing events (Figure 6A). TAF1 isoform-specific antibodies also allowed to examine the cTAF1 to TAF1-34’ switch at the protein level. Whereas transfection of the wild-type minigene reporter (MG) in 293T cells resulted only in cTAF1 products, co-transfection of the minigene with GFP-SRRM4 induced the incorporation of microexon 34’ sequence as determined by RT-PCR analysis of mRNAs (Figure 6B) and by TAF1-34’ specific antibodies (Figure 6C). The two UGC motifs were subsequently mutated into UcC or UaC (Figure 6D). We found that mutagenesis of a single UGC reduced microexon 34’ incorporation by two-fold, whereas double UGC mutants displayed strongly reduced microexon 34’ incorporations (average PSI wilt-type mini-gene: 58.5% vs average PSI double UGC mutants: 5%) (Figure 6E-6H).

Taken together, the *TAF1* minigene transfection experiments demonstrate that co-expression of SRRM4 promotes microexon 34’ inclusion in *TAF1* mRNA, which is dependent on the two UGC motifs located in poly-pyrimidine tract just upstream the regulated microexon 34’.

|  |  |
| --- | --- |
| Gateway primers | |
| SRRM4 FW-GW | GGGGACAAGTTTGTACAAAAAAGCAGGCTTCGCGAGCGTTCAGCAAGGCGAGAA |
| SRRM4 RV-GW | GGGGACCACTTTGTACAAGAAAGCTGGGTTTAGCGCCTCGTGCTGGAGTAGC |
|  |  |
| TAF1-34’ mutagenesis primers | |
| TAF1-34’ mutag FW | CCAGGGCCCTACACGCCTCAGGCTAAGC |
| TAF1-34’mutag RV | GTGTTGGTATCATACAAATCAGGAGGCTT |
|  | |
| RT-PCR primers | |
| TAF1 exon 34 FW | TAGAAAGCCTGGACCCAATG |
| TAF1 exon 35 RV | GAGGCATCTCGAGACATACTGA |
| KDM1A exon 8 FW | GAACTGGCCAAGATCAAGCA |
| KDM1A exon 9 RV | GCAACCGGTTAAACTCTTGC |
| DAAM1 exon 15 FW | TCTCTGCCTATCAAAGACAGCA |
| DAAM1 exon 17 RV | TCCGACCATCAATCACCGAA |
| SRRM4 FW\* | CACAAGCGACGCAGGTCAT |
| SRRM4 RV\* | CGGTGGCGGTGAGACTTTC |
|  |  |
| RT-qPCR primers |  |
| ACTB FW | AGAAAATCTGGCACCACACC |
| ACTB RV | AGAGGCGTACAGGGATAGCA |

**Supplementary Table S1. Primer list.**

Sequences of the primers used are listed (5’-3’).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Names** | **SRRM4 1-AVG nGFP** | **SRRM4 2-AVG nGFP** | **SRRM4 3-AVG nGFP** | **SRRM4 1 N-bait** | **SRRM4 2 N-bait** | **SRRM4 3 N-bait** | **SRRM4 ratio AVG** | **SRRM4 SD** |
| SRRM4 | 1511709867 | 1470209867 | 1543809867 | 1 | 1 | 1 | 1 | 0 |
| SAP18 | 289970067 | 275690067 | 287270067 | 0.19181595 | 0.18751749 | 0.18607866 | 0.1884707 | 0.00298506 |
| HNRNPDL | 29096846.7 | 27091846.7 | 21445846.7 | 0.01924764 | 0.0184272 | 0.01389151 | 0.01718878 | 0.00288484 |
| U2SURP | 4385766.67 | 3027666.67 | 4416066.67 | 0.0029012 | 0.00205934 | 0.0028605 | 0.00260701 | 0.00047473 |
| DHX15 | 40734066.7 | 36866066.7 | 28332066.7 | 0.02694569 | 0.02507538 | 0.01835204 | 0.0234577 | 0.00451944 |
| PRPF4 | 24509350 | 24282350 | 18097350 | 0.016213 | 0.01651625 | 0.01172253 | 0.01481726 | 0.0026844 |
| SART1 | 23159400 | 23243400 | 17601400 | 0.01532 | 0.01580958 | 0.01140127 | 0.01417695 | 0.00241624 |
| PRPF3 | 10439600 | 7884100 | 8492300 | 0.00690582 | 0.00536257 | 0.00550087 | 0.00592309 | 0.00085388 |
| PPIH | 14065253.3 | 10541253.3 | 7093153.33 | 0.0093042 | 0.0071699 | 0.00459458 | 0.00702289 | 0.00235825 |
| AQR | 19451073.3 | 16134073.3 | 15938073.3 | 0.01286694 | 0.01097399 | 0.01032386 | 0.01138826 | 0.00132118 |
| CDC40 | 17648862.4 | 17938862.4 | 13222862.4 | 0.01167477 | 0.01220157 | 0.00856508 | 0.01081381 | 0.00196518 |
| PQBP1 | 4600858.67 | 2876658.67 | 3781958.67 | 0.00304348 | 0.00195663 | 0.00244976 | 0.00248329 | 0.0005442 |
| ZC3H11A | 13471256.7 | 11816256.7 | 9088356.67 | 0.00891127 | 0.00803712 | 0.00588697 | 0.00761179 | 0.00155637 |
| SRSF10 | 138074100 | 90638100 | 107034100 | 0.09133638 | 0.06164977 | 0.06933114 | 0.07410576 | 0.01540848 |
| SF3B1 | 42733326.7 | 30826326.7 | 32209326.7 | 0.02826821 | 0.0209673 | 0.02086353 | 0.02336635 | 0.00424545 |
| WBP4 | 3437700 | 3562500 | 2675400 | 0.00227405 | 0.00242312 | 0.00173299 | 0.00214339 | 0.00036315 |
| SNRNP200 | 50107686.7 | 42672686.7 | 38602686.7 | 0.03314636 | 0.02902489 | 0.02500482 | 0.02905869 | 0.00407088 |
| CCNK | 8511213.33 | 9414913.33 | 6893213.33 | 0.00563019 | 0.00640379 | 0.00446507 | 0.00549968 | 0.00097593 |
| PRPF6 | 22288283.3 | 18983283.3 | 17505283.3 | 0.01474376 | 0.01291195 | 0.01133902 | 0.01299824 | 0.00170401 |
| LUC7L3 | 57042500 | 47792500 | 55155500 | 0.03773376 | 0.03250726 | 0.03572687 | 0.03532263 | 0.00263659 |
| CPSF4 | 9125766.67 | 8647166.67 | 8489466.67 | 0.00603672 | 0.00588159 | 0.00549904 | 0.00580578 | 0.00027674 |
| LSM8 | 43961743.3 | 17624743.3 | 30647743.3 | 0.02908081 | 0.01198791 | 0.01985202 | 0.02030691 | 0.00855552 |
| SYF2 | 15764063.7 | 18873063.7 | 17184063.7 | 0.01042797 | 0.01283699 | 0.01113095 | 0.0114653 | 0.00123882 |
| HNRNPC | 648361967 | 590231967 | 431961967 | 0.42889312 | 0.40146103 | 0.27980257 | 0.37005224 | 0.0793529 |
| SNRNP70 | 40105200 | 26810200 | 28603200 | 0.02652969 | 0.01823563 | 0.01852767 | 0.02109766 | 0.00470654 |
| SNRPA1 | 31516200 | 26744200 | 30321200 | 0.02084805 | 0.01819074 | 0.0196405 | 0.01955976 | 0.00133049 |
| PABPC1 | 8015703.33 | 7922403.33 | 8945803.33 | 0.00530241 | 0.00538862 | 0.00579463 | 0.00549522 | 0.00026285 |
| H2AFX | 244184300 | 219344300 | 236794300 | 0.16152855 | 0.14919251 | 0.15338307 | 0.15470138 | 0.00627279 |
| HIST1H1B | 97638433.3 | 88805433.3 | 85508433.3 | 0.06458808 | 0.06040324 | 0.05538793 | 0.06012641 | 0.00460632 |
| HIST1H1C | 157482000 | 154692000 | 161702000 | 0.10417475 | 0.10521763 | 0.10474217 | 0.10471152 | 0.00052212 |
| YBX3 | 15521513.3 | 14773513.3 | 13303513.3 | 0.01026752 | 0.01004857 | 0.00861733 | 0.00964447 | 0.00089625 |
| SON | 12116349.7 | 11317349.7 | 8463549.67 | 0.008015 | 0.00769778 | 0.00548225 | 0.00706501 | 0.00137986 |
| CSNK2A2 | 15604186.7 | 11869186.7 | 14214186.7 | 0.01032221 | 0.00807312 | 0.00920721 | 0.00920085 | 0.00112456 |
| HNRNPA2B1 | 186551067 | 160081067 | 108531067 | 0.12340401 | 0.10888314 | 0.0703008 | 0.10086265 | 0.02744511 |
| U2AF2 | 615356697 | 454416697 | 520616697 | 0.40706005 | 0.30908288 | 0.33722851 | 0.35112381 | 0.05044493 |
| HNRNPH3 | 8832103.33 | 6555703.33 | 7203303.33 | 0.00584246 | 0.00445903 | 0.00466593 | 0.00498914 | 0.0007462 |
| POLR2I | 4644300 | 3359400 | 3657900 | 0.00307222 | 0.00228498 | 0.0023694 | 0.00257553 | 0.00043221 |
| RBMX | 93695366.7 | 95567366.7 | 70940366.7 | 0.06197973 | 0.06500253 | 0.04595149 | 0.05764458 | 0.01023868 |
| EIF4A3 | 439666847 | 352686847 | 382916847 | 0.29084076 | 0.23988878 | 0.24803368 | 0.25958774 | 0.02737057 |
| BUD31 | 28812201.3 | 26717201.3 | 24023201.3 | 0.01905935 | 0.01817237 | 0.01556098 | 0.01759757 | 0.00181864 |
| MATR3 | 73437466.7 | 64199466.7 | 57561466.7 | 0.04857907 | 0.04366687 | 0.03728533 | 0.04317709 | 0.00566278 |
| PIP4K2A | 1401700 | 2007500 | 2299000 | 0.00092723 | 0.00136545 | 0.00148917 | 0.00126062 | 0.00029528 |
| CTCF | 14908430 | 11176430 | 16422430 | 0.00986197 | 0.00760193 | 0.0106376 | 0.00936716 | 0.00157716 |
| YLPM1 | 4723434.33 | 4536334.33 | 4351334.33 | 0.00312456 | 0.0030855 | 0.00281857 | 0.00300954 | 0.00016654 |
| CLK1 | 8443826.67 | 5798426.67 | 6725026.67 | 0.00558561 | 0.00394394 | 0.00435612 | 0.00462856 | 0.00085407 |
| CLK2 | 6132970 | 5164070 | 4780670 | 0.00405698 | 0.00351247 | 0.00309667 | 0.00355537 | 0.00048159 |
| HNRNPM | 81521466.7 | 71882466.7 | 50549466.7 | 0.05392666 | 0.04889266 | 0.03274332 | 0.04518755 | 0.01106704 |
| NCBP2 | 15307583.3 | 13961583.3 | 12284583.3 | 0.01012601 | 0.00949632 | 0.00795732 | 0.00919321 | 0.00111567 |
| VCP | 14504019.7 | 13544019.7 | 14195019.7 | 0.00959445 | 0.0092123 | 0.0091948 | 0.00933385 | 0.00022585 |
| MFAP1 | 9693199.67 | 7889399.67 | 7620399.67 | 0.00641208 | 0.00536617 | 0.0049361 | 0.00557145 | 0.0007591 |
| LSM3 | 38290536.7 | 31660536.7 | 24023536.7 | 0.02532929 | 0.02153471 | 0.0155612 | 0.0208084 | 0.00492438 |
| SNRPD1 | 120270633 | 42486633.3 | 112440633 | 0.07955934 | 0.02889835 | 0.07283321 | 0.0604303 | 0.02751378 |
| SNRPD2 | 27886533.3 | 21404533.3 | 27801533.3 | 0.01844701 | 0.01455883 | 0.01800839 | 0.01700474 | 0.00212955 |
| SNRPD3 | 77971800 | 56853800 | 67767800 | 0.05157855 | 0.03867053 | 0.04389647 | 0.04471518 | 0.00649284 |
| TRA2B | 191310367 | 172070367 | 142320367 | 0.1265523 | 0.11703796 | 0.09218776 | 0.11192601 | 0.01774344 |
| SNRPN | 12416856.7 | 10005856.7 | 11348856.7 | 0.00821378 | 0.00680573 | 0.0073512 | 0.00745691 | 0.00070995 |
| SKP1 | 19207953.3 | 8807353.33 | 20862953.3 | 0.01270611 | 0.00599054 | 0.01351394 | 0.01073686 | 0.00413023 |
| YBX1 | 7960930 | 7058330 | 6995330 | 0.00526618 | 0.0048009 | 0.00453121 | 0.0048661 | 0.00037179 |
| CSNK2B | 37276220 | 24294220 | 26762220 | 0.02465832 | 0.01652432 | 0.01733518 | 0.01950594 | 0.00448047 |
| ERH | 164337100 | 165587100 | 152767100 | 0.10870942 | 0.11262821 | 0.09895461 | 0.10676408 | 0.00704131 |
| SRSF3 | 153355833 | 152245833 | 141985833 | 0.10144528 | 0.10355381 | 0.09197106 | 0.09899005 | 0.00616937 |
| U2AF1 | 1248305233 | 1058005233 | 632615233 | 0.82575715 | 0.71962871 | 0.40977535 | 0.65172041 | 0.21614548 |
| EWSR1 | 12154105.7 | 10991105.7 | 11145105.7 | 0.00803997 | 0.00747588 | 0.00721922 | 0.00757836 | 0.00041986 |
| AKAP17A | 26370093.3 | 25260093.3 | 20851093.3 | 0.01744389 | 0.01718128 | 0.01350626 | 0.01604381 | 0.0022015 |
| SRSF11 | 26732573.3 | 22729573.3 | 24460573.3 | 0.01768367 | 0.01546009 | 0.01584429 | 0.01632935 | 0.0011885 |
| FMR1 | 1283964 | 1060464 | 992364 | 0.00084935 | 0.0007213 | 0.0006428 | 0.00073782 | 0.00010426 |
| SRSF1 | 129235760 | 121725760 | 118085760 | 0.08548979 | 0.08279482 | 0.07648983 | 0.08159148 | 0.00461907 |
| SRSF4 | 13424303.3 | 9387003.33 | 11896303.3 | 0.00888021 | 0.00638481 | 0.00770581 | 0.00765694 | 0.00124842 |
| NCBP1 | 21845536.7 | 20258536.7 | 15106536.7 | 0.01445088 | 0.01377935 | 0.00978523 | 0.01267182 | 0.00252231 |
| SF3A3 | 39318600 | 39394600 | 25796600 | 0.02600936 | 0.02679522 | 0.0167097 | 0.02317143 | 0.0056098 |
| IK | 27651043.3 | 23662043.3 | 14642043.3 | 0.01829124 | 0.01609433 | 0.00948436 | 0.01462331 | 0.00458402 |
| SRSF9 | 34039843.3 | 29920843.3 | 23743843.3 | 0.02251744 | 0.02035141 | 0.01538003 | 0.0194163 | 0.00365944 |
| SRSF6 | 199887467 | 198657467 | 181437467 | 0.13222608 | 0.13512184 | 0.11752579 | 0.12829124 | 0.00943491 |
| PPIG | 27620491 | 25291491 | 21370491 | 0.01827103 | 0.01720264 | 0.0138427 | 0.01643879 | 0.00231087 |
| SF3B2 | 22151853.3 | 20331853.3 | 18486853.3 | 0.01465351 | 0.01382922 | 0.01197483 | 0.01348585 | 0.00137196 |
| PRPF4B | 21445050 | 13300050 | 17624050 | 0.01418596 | 0.00904636 | 0.01141595 | 0.01154942 | 0.0025724 |
| SNW1 | 36570000 | 31892000 | 27920000 | 0.02419115 | 0.02169214 | 0.01808513 | 0.02132281 | 0.00306972 |
| TRA2A | 72561796.7 | 76289796.7 | 92134796.7 | 0.04799982 | 0.05189041 | 0.05968014 | 0.05319012 | 0.00594764 |
| CUL1 | 4373889.5 | 3012989.5 | 4042389.5 | 0.00289334 | 0.00204936 | 0.00261845 | 0.00252038 | 0.00043045 |
| THOC5 | 4424596.67 | 4489596.67 | 4570696.67 | 0.00292688 | 0.00305371 | 0.00296066 | 0.00298042 | 6.5682E-05 |
| CDK13 | 12438664.3 | 9530564.33 | 12741664.3 | 0.00822821 | 0.00648245 | 0.00825339 | 0.00765468 | 0.00101526 |
| RBM39 | 285102900 | 229792900 | 232842900 | 0.18859631 | 0.15629939 | 0.15082356 | 0.16523975 | 0.02041183 |
| DHX8 | 13486526 | 11384526 | 11649526 | 0.00892137 | 0.00774347 | 0.00754596 | 0.00807027 | 0.00074366 |
| ZNF638 | 4984343.33 | 3943143.33 | 3871643.33 | 0.00329716 | 0.00268203 | 0.00250785 | 0.00282901 | 0.00041467 |
| EFTUD2 | 84906800 | 72631800 | 65621800 | 0.05616607 | 0.04940233 | 0.0425064 | 0.04935827 | 0.00682994 |
| RNPS1 | 398706067 | 344566067 | 315726067 | 0.2637451 | 0.23436523 | 0.20451098 | 0.2342071 | 0.02961738 |
| SF3B3 | 50045866.7 | 50251866.7 | 39019866.7 | 0.03310547 | 0.03418006 | 0.02527505 | 0.03085353 | 0.00486089 |
| SF3B4 | 16582806.7 | 28028806.7 | 32013806.7 | 0.01096957 | 0.01906449 | 0.02073688 | 0.01692365 | 0.00522375 |
| SF3A2 | 6485633.33 | 5668333.33 | 5622133.33 | 0.00429026 | 0.00385546 | 0.00364173 | 0.00392915 | 0.00033049 |
| SF3A1 | 18312990 | 17251990 | 16676990 | 0.01211409 | 0.01173437 | 0.01080249 | 0.01155032 | 0.00067489 |
| SRSF7 | 59147523.3 | 55370523.3 | 47153523.3 | 0.03912624 | 0.03766165 | 0.03054361 | 0.03577716 | 0.00459117 |
| CPSF6 | 14062516.7 | 10706516.7 | 11779516.7 | 0.00930239 | 0.00728231 | 0.00763016 | 0.00807162 | 0.00107998 |
| HIST2H2AC | 897717000 | 626427000 | 991167000 | 0.59384213 | 0.42607999 | 0.6420266 | 0.5539829 | 0.11335697 |
| HIST2H2BE | 679178000 | 1049118000 | 706038000 | 0.44927801 | 0.71358384 | 0.45733482 | 0.54006555 | 0.15032523 |
| HNRNPUL2 | 15533453.3 | 14509453.3 | 10357453.3 | 0.01027542 | 0.00986897 | 0.00670902 | 0.00895114 | 0.00195233 |
| SMU1 | 27350110 | 22464110 | 18460110 | 0.01809217 | 0.01527953 | 0.0119575 | 0.01510973 | 0.00307086 |
| NCBP3 | 20415031.7 | 22031031.7 | 17982031.7 | 0.0135046 | 0.01498496 | 0.01164783 | 0.01337913 | 0.0016721 |
| ZNF326 | 12126113.3 | 13035113.3 | 8753213.33 | 0.00802146 | 0.00886616 | 0.00566988 | 0.00751916 | 0.00165628 |
| GPATCH4 | 15313796.7 | 13888796.7 | 13502796.7 | 0.01013012 | 0.00944681 | 0.00874641 | 0.00944111 | 0.00069187 |
| RSBN1 | 909029.333 | 1102509.33 | 1203909.33 | 0.00060133 | 0.0007499 | 0.00077983 | 0.00071035 | 9.5598E-05 |
| THOC7 | 8260286.67 | 7652386.67 | 5474786.67 | 0.0054642 | 0.00520496 | 0.00354628 | 0.00473848 | 0.00104058 |
| ZCCHC8 | 2605284.33 | 1666884.33 | 1322684.33 | 0.0017234 | 0.00113377 | 0.00085677 | 0.00123798 | 0.00044262 |
| PRPF8 | 37678580 | 26396580 | 32069580 | 0.02492448 | 0.01795429 | 0.02077301 | 0.02121726 | 0.00350626 |
| ZC3H14 | 92458966.7 | 89290966.7 | 73074966.7 | 0.06116185 | 0.06073348 | 0.04733418 | 0.05640984 | 0.00786267 |
| FIP1L1 | 25096140 | 23233140 | 22363140 | 0.01660116 | 0.0158026 | 0.01448568 | 0.01562982 | 0.00106827 |
| C11orf57 | 5688600 | 4740800 | 2785300 | 0.00376302 | 0.00322457 | 0.00180417 | 0.00293059 | 0.00101198 |
| PHF5A | 39675266.7 | 33210266.7 | 30457266.7 | 0.02624529 | 0.02258879 | 0.01972864 | 0.02285424 | 0.00326643 |
| RBM23 | 1327500 | 1256600 | 1477200 | 0.00087814 | 0.00085471 | 0.00095685 | 0.00089657 | 5.3507E-05 |
| PABPN1 | 319648333 | 271588333 | 229168333 | 0.2114482 | 0.1847276 | 0.14844337 | 0.18153972 | 0.03162316 |
| ZC3H18 | 8749931.33 | 7076231.33 | 7197631.33 | 0.0057881 | 0.00481308 | 0.00466225 | 0.00508781 | 0.00061114 |
| DDX42 | 3992932 | 3412232 | 3128432 | 0.00264133 | 0.00232091 | 0.00202644 | 0.00232956 | 0.00030754 |
| CHERP | 16369486.7 | 13062486.7 | 12658486.7 | 0.01082846 | 0.00888478 | 0.00819951 | 0.00930425 | 0.00136375 |
| CCAR1 | 12205936.7 | 10481936.7 | 9454936.67 | 0.00807426 | 0.00712955 | 0.00612442 | 0.00710941 | 0.00097508 |
| ZC3H3 | 1021100 | 912120 | 1059200 | 0.00067546 | 0.0006204 | 0.00068609 | 0.00066065 | 3.5262E-05 |
| SRRM1 | 1132681.33 | 1014381.33 | 2087881.33 | 0.00074927 | 0.00068996 | 0.00135242 | 0.00093055 | 0.00036655 |
| NKAP | 6694886.67 | 5644786.67 | 5471086.67 | 0.00442868 | 0.00383944 | 0.00354389 | 0.00393734 | 0.00045045 |
| PRPF38A | 19383994.7 | 15928994.7 | 17246994.7 | 0.01282256 | 0.0108345 | 0.01117171 | 0.01160959 | 0.00106391 |
| CSNK2A3 | 47329793.3 | 40157793.3 | 47198793.3 | 0.03130878 | 0.02731433 | 0.03057293 | 0.02973201 | 0.00212586 |
| THOC2 | 4032416 | 3368516 | 3215716 | 0.00266745 | 0.00229118 | 0.00208297 | 0.0023472 | 0.00029624 |
| SNIP1 | 32277220 | 27809220 | 33914220 | 0.02135146 | 0.01891514 | 0.02196787 | 0.02074482 | 0.00161425 |
| CACTIN | 6253929 | 4426429 | 3372329 | 0.00413699 | 0.00301075 | 0.00218442 | 0.00311072 | 0.00098012 |
| TAF15 | 5967585.67 | 5339385.67 | 6780485.67 | 0.00394757 | 0.00363172 | 0.00439205 | 0.00399045 | 0.00038197 |
| MAGOHB | 155344000 | 84927000 | 134304000 | 0.10276046 | 0.05776522 | 0.08699517 | 0.08250695 | 0.02283092 |
| SNRNP40 | 82604210 | 64932210 | 55574210 | 0.0546429 | 0.04416527 | 0.03599809 | 0.04493542 | 0.00934623 |
| RBMXL1 | 1124006.33 | 1054806.33 | 759676.333 | 0.00074353 | 0.00071745 | 0.00049208 | 0.00065102 | 0.00013826 |
| THOC3 | 7717943.33 | 6514743.33 | 6045843.33 | 0.00510544 | 0.00443117 | 0.00391618 | 0.00448426 | 0.0005964 |
| RNPC3 | 1439700 | 1980700 | 1699800 | 0.00095237 | 0.00134722 | 0.00110104 | 0.00113354 | 0.00019942 |
| ZMAT2 | 7357900 | 12353000 | 8968500 | 0.00486727 | 0.0084022 | 0.00580933 | 0.0063596 | 0.00183058 |
| RBM14 | 28817696.7 | 24250696.7 | 19149696.7 | 0.01906298 | 0.01649472 | 0.01240418 | 0.01598729 | 0.00335828 |
| FYTTD1 | 22463026.7 | 22347026.7 | 17953026.7 | 0.01485935 | 0.01519989 | 0.01162904 | 0.01389609 | 0.0019707 |
| SRPK1 | 5155043.67 | 3152143.67 | 4219943.67 | 0.00341007 | 0.00214401 | 0.00273346 | 0.00276251 | 0.00063353 |
| STRBP | 2814717 | 1839417 | 2912417 | 0.00186194 | 0.00125113 | 0.00188651 | 0.00166653 | 0.00035996 |
| CDC5L | 48460466.7 | 46197466.7 | 38484466.7 | 0.03205672 | 0.03142236 | 0.02492824 | 0.02946911 | 0.00394528 |
| SCAF11 | 5476113.33 | 4672513.33 | 5954713.33 | 0.00362246 | 0.00317813 | 0.00385715 | 0.00355258 | 0.00034487 |
| HNRNPAB | 42727766.7 | 32270766.7 | 28508766.7 | 0.02826453 | 0.02194977 | 0.0184665 | 0.0228936 | 0.00496673 |
| DDX50 | 66840033.3 | 43490033.3 | 56426033.3 | 0.04421486 | 0.02958083 | 0.03654986 | 0.03678185 | 0.00731977 |
| BUD13 | 1162153.57 | 902593.567 | 1026753.57 | 0.00076877 | 0.00061392 | 0.00066508 | 0.00068259 | 7.8894E-05 |
| SRSF8 | 22740000 | 17355000 | 9010000 | 0.01504257 | 0.01180444 | 0.00583621 | 0.01089441 | 0.00467016 |
| GPATCH1 | 9606550 | 9574550 | 9133450 | 0.00635476 | 0.00651237 | 0.00591618 | 0.0062611 | 0.00030893 |
| MMTAG2 | 10641800 | 18149800 | 12036800 | 0.00703958 | 0.01234504 | 0.00779682 | 0.00906048 | 0.0028696 |
| HNRNPUL1 | 7629800 | 5747000 | 4890300 | 0.00504713 | 0.00390897 | 0.00316768 | 0.00404126 | 0.00094668 |
| CCDC106 | 6779400 | 5237100 | 7914400 | 0.00448459 | 0.00356214 | 0.00512654 | 0.00439109 | 0.00078638 |
| SF3B5 | 29968623.3 | 25059623.3 | 27490623.3 | 0.01982432 | 0.01704493 | 0.017807 | 0.01822542 | 0.00143616 |
| SETD2 | 913940 | 855440 | 823910 | 0.00060457 | 0.00058185 | 0.00053369 | 0.00057337 | 3.6196E-05 |
| CRNKL1 | 12680945.5 | 11418945.5 | 11295945.5 | 0.00838848 | 0.00776688 | 0.00731693 | 0.0078241 | 0.00053806 |
| WDR12 | 1481373 | 605913 | 876763 | 0.00097993 | 0.00041213 | 0.00056792 | 0.00065333 | 0.00029338 |
| MKRN2 | 1825311.67 | 1875911.67 | 1416811.67 | 0.00120745 | 0.00127595 | 0.00091774 | 0.00113371 | 0.00019015 |
| TSPYL1 | 29753918 | 26005918 | 26243918 | 0.01968229 | 0.01768858 | 0.01699945 | 0.01812344 | 0.00139329 |
| PNN | 422973520 | 282253520 | 355813520 | 0.27979808 | 0.19198179 | 0.23047755 | 0.23408581 | 0.0440192 |
| CXorf56 | 5117689.67 | 5504889.67 | 3710489.67 | 0.00338536 | 0.00374429 | 0.00240346 | 0.00317771 | 0.00069411 |
| DHX35 | 8866107 | 7723607 | 6243907 | 0.00586495 | 0.0052534 | 0.00404448 | 0.00505428 | 0.00092643 |
| SCAF1 | 1781604.2 | 2153404.2 | 1488204.2 | 0.00117854 | 0.00146469 | 0.00096398 | 0.0012024 | 0.00025121 |
| CAAP1 | 34216145.7 | 31549145.7 | 27625145.7 | 0.02263407 | 0.02145894 | 0.01789414 | 0.02066238 | 0.00246832 |
| BRD9 | 1215534 | 616144 | 1688934 | 0.00080408 | 0.00041909 | 0.001094 | 0.00077239 | 0.00033857 |
| USP42 | 4485937.67 | 4485637.67 | 3639137.67 | 0.00296746 | 0.00305102 | 0.00235724 | 0.00279191 | 0.00037874 |
| CLK4 | 10451943.3 | 8048843.33 | 6952343.33 | 0.00691399 | 0.00547462 | 0.00450337 | 0.00563066 | 0.00121286 |
| XAB2 | 17112966.3 | 14767966.3 | 14011966.3 | 0.01132027 | 0.0100448 | 0.00907623 | 0.0101471 | 0.00112552 |
| ENY2 | 10813603.3 | 8158803.33 | 9924603.33 | 0.00715323 | 0.00554941 | 0.00642864 | 0.00637709 | 0.00080315 |
| LUC7L | 152790433 | 134690433 | 142910433 | 0.10107127 | 0.09161307 | 0.09256997 | 0.09508477 | 0.00520649 |
| RBM22 | 18243626.7 | 16839626.7 | 15003626.7 | 0.01206821 | 0.01145389 | 0.00971857 | 0.01108022 | 0.00121857 |
| ARGLU1 | 32351746.7 | 28536746.7 | 36287746.7 | 0.02140076 | 0.01940998 | 0.02350532 | 0.02143869 | 0.00204793 |
| BCLAF1 | 15630060 | 13641060 | 10205060 | 0.01033933 | 0.00927831 | 0.00661031 | 0.00874265 | 0.00192135 |
| IGF2BP1 | 3115851.67 | 1988751.67 | 1188451.67 | 0.00206114 | 0.0013527 | 0.00076982 | 0.00139455 | 0.00064668 |
| CWC15 | 28677233.3 | 24100233.3 | 20643233.3 | 0.01897006 | 0.01639238 | 0.01337162 | 0.01624469 | 0.00280214 |
| TFIP11 | 3063392 | 2491992 | 2671592 | 0.00202644 | 0.00169499 | 0.00173052 | 0.00181732 | 0.00018198 |
| NFKBIL1 | 7947700 | 6765200 | 7424800 | 0.00525742 | 0.00460152 | 0.0048094 | 0.00488945 | 0.0003352 |
| DDX41 | 12644190 | 9736190 | 7988490 | 0.00836416 | 0.00662231 | 0.00517453 | 0.00672034 | 0.00159708 |
| LSM7 | 8999475 | 6827175 | 6376375 | 0.00595318 | 0.00464367 | 0.00413029 | 0.00490905 | 0.00093997 |
| FBXW11 | 98972963.7 | 72919963.7 | 95083963.7 | 0.06547087 | 0.04959834 | 0.06159046 | 0.05888656 | 0.00827452 |
| GPATCH8 | 1452600 | 1210500 | 903440 | 0.0009609 | 0.00082335 | 0.0005852 | 0.00078982 | 0.00019008 |
| RALY | 40919846.7 | 33088846.7 | 30801846.7 | 0.02706858 | 0.02250621 | 0.01995184 | 0.02317554 | 0.00360528 |
| ACIN1 | 80113393.3 | 74922393.3 | 61734393.3 | 0.05299522 | 0.05096034 | 0.03998834 | 0.0479813 | 0.00699648 |
| ISY1 | 17362480 | 15284480 | 14503480 | 0.01148533 | 0.01039612 | 0.0093946 | 0.01042535 | 0.00104567 |
| PRPF19 | 231227333 | 207067333 | 185447333 | 0.15295748 | 0.14084202 | 0.12012317 | 0.13797422 | 0.01660395 |
| PPIE | 22001733.3 | 21942733.3 | 29445733.3 | 0.0145542 | 0.0149249 | 0.01907342 | 0.01618417 | 0.00250902 |
| SRRM2 | 17087133.3 | 14541133.3 | 13742133.3 | 0.01130318 | 0.00989052 | 0.00890144 | 0.01003171 | 0.00120708 |
| BTRC | 10415339.4 | 8664839.37 | 9497739.37 | 0.00688977 | 0.00589361 | 0.00615214 | 0.00631184 | 0.00051693 |
| POLDIP2 | 2705733.33 | 1551833.33 | 1708033.33 | 0.00178985 | 0.00105552 | 0.00110638 | 0.00131725 | 0.00041007 |
| THRAP3 | 26846116.7 | 24130116.7 | 19974116.7 | 0.01775878 | 0.0164127 | 0.0129382 | 0.01570323 | 0.00248737 |
| WBP11 | 2423283.33 | 2299383.33 | 1194183.33 | 0.00160301 | 0.00156398 | 0.00077353 | 0.00131351 | 0.00046804 |
| LSM2 | 10476400 | 6493300 | 8587500 | 0.00693017 | 0.00441658 | 0.00556254 | 0.00563643 | 0.00125842 |
| LUC7L2 | 87673400 | 94075400 | 70912400 | 0.05799618 | 0.06398774 | 0.04593338 | 0.05597243 | 0.00919574 |
| RBMX2 | 8866700 | 6866400 | 7464500 | 0.00586535 | 0.00467035 | 0.00483512 | 0.0051236 | 0.00064763 |
| SF3B6 | 37108533.3 | 44134533.3 | 40249533.3 | 0.02454739 | 0.03001921 | 0.02607156 | 0.02687939 | 0.00282394 |
| CCDC9 | 7902200 | 8045400 | 6481500 | 0.00522733 | 0.00547228 | 0.00419838 | 0.004966 | 0.00067596 |
| CHTOP | 61540313.3 | 54298313.3 | 39048313.3 | 0.04070908 | 0.03693236 | 0.02529347 | 0.03431164 | 0.00803501 |
| LSM5 | 27466790 | 23588790 | 18250790 | 0.01816935 | 0.01604451 | 0.01182192 | 0.01534526 | 0.00323098 |
| LSM4 | 12577093.3 | 8694893.33 | 8409393.33 | 0.00831978 | 0.00591405 | 0.00544717 | 0.00656033 | 0.0015415 |
| PAXBP1 | 1839100 | 1419800 | 1511100 | 0.00121657 | 0.00096571 | 0.00097881 | 0.0010537 | 0.0001412 |
| RBM8A | 147309730 | 133769730 | 186129730 | 0.09744577 | 0.09098683 | 0.12056519 | 0.10299926 | 0.01555155 |

**Supplementary Table S2. SRRM4 interactome.**

The list of the statistically enriched proteins interacting with GFP-SRRM4 (FDR=0.001; S0=2) includes: IBAQ values for GFP-SRRM4 pull-downs (n=3) normalized against the averaged (AVG) IBAQ values (n=3) of non-binding pull-downs (AVG nGFP 1 to 3), stoichiometry of the identified interactors, normalized against the bait (GFP-SRRM4) (N-bait 1 to 3) and averaged (ratio AVG), and standard deviations (SD).