

**A novel sweet potato potyvirus open reading frame (ORF) is expressed via polymerase slippage and suppresses RNA silencing**

Untiveros, Milton; **Olsper, Allan**; Artola, Katrin; Firth, Andrew E.; Kreuze, Jan F.; Valkonen, Jari P.T. Molecular plant pathology 2016 / p. 1111-1123 : ill <https://doi.org/10.1111/mpp.12366>

**A potential role of alternative splicing in the regulation of the transcriptional activity of human GLI2 in gonal tissues**

**Speek, Mart**; Njunkova, Olga; Pata, Illar; Valdre, Eola; **Kogerman, Priit** BMC molecular biology 2006 / 13, p. 1-13  
<https://pubmed.ncbi.nlm.nih.gov/16553965/>

**Alternative splicing of TAF4 : a dynamic switch between distinct cell functions = TAF4 alternatiivne splaining kui raku funktsioonide dünaamilise reguleerimise lüüti**

**Kazantseva, Jekaterina** 2014 [https://www.ester.ee/record=b4437535\\*est](https://www.ester.ee/record=b4437535*est)

**BAC transgenic mice reveal distal cis-regulatory elements governing BDNF gene expression**

**Koppel, Indrek**; Aid-Pavlidis, Tamara; Jaanson, Kaur; Sepp, Mari; Palm, Kaia; Timmusk, Tõnis Genesis 2010 / 4, p. 214-219  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2978326/>

**Bidirectional transcription from human LRRTM2/CTNNA1 and LRRTM1/CTNNA2 gene loci leads to expression of N-terminally truncated CTNNA1 and CTNNA2 isoforms**

**Kask, Martin**; Pruunsild, Priit; Timmusk, Tõnis Biochemical and biophysical research communications 2011 / p. 56-61 : ill  
<https://pubmed.ncbi.nlm.nih.gov/21708131/>

**CCL5/CCR1 axis regulates multipotency of human adipose tissue derived stromal cells**

Kauts, Mari-Liis; Pihelgas, Susan; Orro, Kadri; **Neuman, Toomas**; Piirsoo, Alla Stem Cell Research 2013 / p. 166 - 178  
<https://doi.org/10.1016/j.scr.2012.11.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Cell-type-specific expression of the TFIIID component TAFII135 in the nervous system**

**Metsis, Madis**; Brunkhorst, Adrian; Neuman, Toomas Experimental cell research 2001 / p. 214-221  
<https://www.sciencedirect.com/science/article/pii/S0014482701953078>

**Changes in the transcriptome of the human endometrial Ishikawa cancer cell line induced by estrogen, progesterone, tamoxifen, and mifepristone (RU486) as detected by RNA-sequencing**

**Tamm-Rosenstein, Karin**; Simm, Jaak; Suhorutšenko, Marina; Salumets, Andres; **Metsis, Madis** PLoS ONE 2013 / p. 1-13 : ill  
<https://doi.org/10.1371/journal.pone.0068907> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of the nuclear matrix targeting sequence (NMTS) of the BPV1 E8/E2 protein - the shortest known NMTS**

Sankovski, Eve; Karro, Kristiina; **Sepp, Mari**; Kurg, Reet; Ustav, Mart; Abro, Aare Nucleus 2015 / p. 289-300 : ill  
<https://doi.org/10.1080/19491034.2015.1074359> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Correction to: Transcriptome-wide identification of genes involved in Ascorbate–Glutathione cycle (Halliwell–Asada pathway) and related pathway for elucidating its role in antioxidative potential in finger millet (Eleusine coracana (L.)) (3 Biotech, (2018), 8, 12, (499), 10.1007/s13205-018-1511-9)**

Avashthi, Himanshu; Pathak, Rajesh Kumar; Pandey, Neetesh; Arora, Sandeep; Mishra, Amrendra Kumar; **Gupta, Vijai Kumar**; Ramteke, Pramod Wasudeo; Kumar, Anil 3 Biotech 2019 / p. 337 <https://doi.org/10.1007/s13205-019-1864-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Deciphering molecular basis of Schwann cell development = Schwanni rakkude arengu molekulaarse mehanismide selgitamine**

**Piirsoo, Marko**; Timmusk, Tõnis; Meijer, Dies 2009 [https://www.ester.ee/record=b2546066\\*est](https://www.ester.ee/record=b2546066*est)

**Dendritic localization of mammalian neuralized mRNA encoding a protein with transcription repression activities**

**Timmusk, Tõnis**; Palm, Kaia; Belluardo, N.; Mudo, G.; Neuman, Toomas Molecular and cellular neurosciences 2002 / 4, p. 649-668  
<https://www.sciencedirect.com/science/article/pii/S1044743102911486>

**Dissecting stimulus-dependent transcription of brain-derived neurotrophic factor = Aju-päritolu neurotroofse teguri stiimulsõltuva transkriptsiooni uuringud**

**Esvald, Eli-Eelika** 2023 <https://doi.org/10.23658/taltech.32/2023> <https://digikogu.taltech.ee/et/Item/6222c009-c82d-4efb-98c2-51bf2f148b52>  
[https://www.ester.ee/record=b5567508\\*est](https://www.ester.ee/record=b5567508*est)

**Human genes are transcribed from the antisense promoter of L1 retrotransposon**

Mätlik, Kert; Nigumann, Pilvi; Redik, Kaja; **Speek, Mart** Bioinformatics 2002 2002 / p. 56

**Identification of cis-elements and transcription factors regulating neuronal activity-dependent transcription of human BDNF gene**

**Pruunsild, Priit**; Sepp, Mari; Orav, Ester; Koppel, Indrek; Timmusk, Tõnis The journal of neuroscience 2011 / p. 3295-3308 : ill  
<https://pubmed.ncbi.nlm.nih.gov/21368041/>

### Identification of the gene transcription repressor domain of Gli3

Tsanev, Robert; Tiigimägi, Piret; Michelson, Piret; Metsis, Madis; Osterlund, Torben; Kogerman, Priit FEBS letters 2009 / 1, p. 224-228 : ill <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697317/>

### Integrated transcriptomic, proteomic, and metabolomics analysis reveals peel ripening of harvested banana under natural condition

Yun, Ze; Li, Taotao; Gao, Huijun; Zhu, Hong; Gupta, Vijai Kumar; Jiang, Yueming; Duan, Xuewu Biomolecules 2019 / Art. nr. 167 <https://doi.org/10.3390/biom9050167> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Intronic L1 retrotransposons and nested genes cause transcriptional interference by inducing intron retention, exonization and cryptic polyadenylation

Kaer, Kristel; Branovets, Jelena; Hallikma, Anni; Nigumann, Pilvi; Speek, Mart PLoS ONE 2011 / p. e26099 [20 p.] <http://dx.doi.org/10.1371/journal.pone.0026099>

### L1 antisense promoter drives tissue-specific transcription of human genes

Mätlik, Kert; Redik, Kaja; Speek, Mart Journal of biomedicine and biotechnology 2006 / p. 71753 [16 p.] <https://pubmed.ncbi.nlm.nih.gov/16877819/>

### LXXLL peptide converts transportan 10 to a potent inducer of apoptosis in breast cancer cells

Tints, Kairit; Prink, Madis; Neuman, Toomas; Palm, Kaia International journal of molecular sciences 2014 / p. 5680-5698 : ill <https://doi.org/10.3390/ijms15045680> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Many human genes are transcribed from the antisense promoter of L1 retrotransposon

Nigumann, Pilvi; Redik, Kaja; Mätlik, Kert; Speek, Mart Genomics 2002 / 5, p. 628-634 <https://pubmed.ncbi.nlm.nih.gov/11991712/>

### Metabolic changes underlying the higher accumulation of glutathione in Saccharomyces cerevisiae mutants

Nisamedtinov, Ildar; Kevvai, Kaspar; Orumets, Kerti; Arike, Liisa; Sarand, Inga; Korhola, Matti; Paalme, Toomas Applied microbiology and biotechnology 2011 / 4, p. 1029-1037 : ill <https://pubmed.ncbi.nlm.nih.gov/21052993/>

### Mouse and rat BDNF gene structure and expression revisited

Aid-Pavlidis, Tamara; Kazantseva, Anna; Piirsoo, Marko; Palm, Kaia; Timmusk, Tõnis Journal of neuroscience research 2007 / 3, p. 525-535 <https://onlinelibrary.wiley.com/doi/full/10.1002/jnr.21139>

### Neurotrophins : transcription and translation

West, A. E.; Pruunsild, Priit; Timmusk, Tõnis Neurotrophic factors 2014 / p. 67-100 [https://doi.org/10.1007/978-3-642-45106-5\\_4](https://doi.org/10.1007/978-3-642-45106-5_4) [Article collection metrics at Scopus](#) [Article at Scopus](#)

### Novel transgenic models based on bacterial artificial chromosomes for studying BDNF gene regulation = Bakteriaalsetel kunstlikel kromosoomidel põhinevad transgeensed mudelid BDNF geeni regulatsiooni uurimiseks

Jaanson, Kaur 2015 [https://www.ester.ee/record=b4494705\\*est](https://www.ester.ee/record=b4494705*est)

### N-terminally truncated BAF57 isoforms contribute to the diversity of SWI/SNF complexes in neurons

Kazantseva, Anna; Sepp, Mari; Kazantseva, Jekaterina; Sadam, Helle; Pruunsild, Priit; Timmusk, Tõnis; Neuman, Toomas; Palm, Kaia Journal of neurochemistry 2009 / 3, p. 807-818 : ill <https://pubmed.ncbi.nlm.nih.gov/19245665/>

### Nuclear factor of activated T-cells isoform c4 (NFATc4/NFAT3) as a mediator of anti-apoptotic transcription in NMDA receptor-stimulated cortical neurons

Vashishta, Aruna; Habas, Agata; Pruunsild, Priit; Zheng, Jing-Juan; Timmusk, Tõnis; Hetman, Michal Journal of neuroscience 2009 / 48, p. 15331-15340 <https://pubmed.ncbi.nlm.nih.gov/19955386/>

### Recovery of missing single-cell RNA-sequencing data with optimized transcriptomic references

Pool, Allan-Hermann; Poldsam, Helen; Chen, Sisi; Thomson, Matt; Oka, Yuki Nature Methods 2023 / p. 1506 - 1515 <https://doi.org/10.1038/s41592-023-02003-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Regulation of Gli1 transcriptional activity in the nucleus by Dyrk1

Mao, J.; Maye, P.; Kogerman, Priit Journal of biological chemistry 2002 / 38, p. 31156-31161 <https://pubmed.ncbi.nlm.nih.gov/12138125/>

### Retroelements in human disease

Kaer, Kristel; Speek, Mart Gene 2013 / p. 231-241 : ill <https://doi.org/10.1016/j.gene.2013.01.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### The role of Enhancers in the regulation of brain-derived neurotrophic factor transcription = Enhanseralade roll aju-päritolu neurotroofse teguri transkriptsiooni regulatsioonis

Avarlaid, Annela 2024 [https://www.ester.ee/record=b5691778\\*est](https://www.ester.ee/record=b5691778*est) <https://digikogu.taltech.ee/et/Item/108d17a6-795d-4bc3-8e2b->

**Structure and regulation of BDNF gene = BDNF geeni struktuur ja regulatsioon**

Aid-Pavlidis, Tamara 2010 [http://www.ester.ee/record=b2604919\\*est](http://www.ester.ee/record=b2604919*est)

**Structure, alternative splicing, and expression of the human and mouse KCNIP gene family**

Pruunsild, Priit; Timmusk, Tõnis Genomics 2005 / 5, p. 581-593 <https://pubmed.ncbi.nlm.nih.gov/16112838/>

**Studies of the Drosophila basic helix-loop-helix transcription factor Daughterless and its mammalian homologue Transcription factor 4 = Äädikakärbse aluselise heeliks-ling-heeliks transkriptsioonifaktori Daughterless ja tema imetaja homoloogi Transkriptsioonifaktor 4 uuringud**

Tamberg, Laura 2023 <https://doi.org/10.23658/taltech.44/2023> <https://digikogu.taltech.ee/et/Item/111b86e4-abe4-47d5-8bca-af7503d4ca24>  
[https://www.ester.ee/record=b5573303\\*est](https://www.ester.ee/record=b5573303*est)

**Sulfoxidation regulation of Musa acuminata Calmodulin (MaCaM) influences the functions of MaCaM-binding proteins**

Jiang, Guoxiang; Wu, Fuwang; Li, Zhiwei; Li, Taotao; Gupta, Vijai Kumar; Duan, Xuewu; Jiang, Yueming Plant and Cell Physiology 2018 / p. 1214-1224 <https://doi.org/10.1093/pcp/pcy057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sumoylation regulates the transcriptional activity of different human NFAT isoforms in neurons**

Vihma, Hanna; Timmusk, Tõnis Neuroscience letters 2017 / p. 302-307 : ill <https://doi.org/10.1016/j.neulet.2017.05.074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Target prediction and validation of microRNAs expressed from FSHR and aromatase genes in human ovarian granulosa cells**

Rooda, Ilmatar; Hensen, Kati; Kaselt, Birgitta; Velthut-Meikas, Agne Scientific reports 2020 / art. 2300, 13 p. : ill <https://doi.org/10.1038/s41598-020-59186-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Targeted alternative splicing of TAF4 : a new strategy for cell reprogramming**

Kazantseva, Jekaterina; Sadam, Helle; Neuman, Toomas; Palm, Kaia Scientific reports 2016 / art. 30852, p. 1-11 : ill <https://doi.org/10.1038/srep30852> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transcriptional and translational regulation of brain-derived neurotrophic factor = Aju päritolu neurotroofse teguri transkriptsiooni ja translatsiooni regulatsioon**

Tuvikene, Jürgen 2020 [https://www.ester.ee/record=b5392533\\*est](https://www.ester.ee/record=b5392533*est) <https://digikogu.taltech.ee/et/Item/4f057c26-5150-4380-a9a9-dab1ce4dc384>

**Transcriptional mechanisms of BDNF gene regulation = BDNF geeni avaldumise transkriptsioonilised mehhanismid**

Koppel, Indrek 2013 [https://www.ester.ee/record=b3046255\\*est](https://www.ester.ee/record=b3046255*est)

**The transcriptional repressor domain of Gli3 is intrinsically disordered**

Tsanev, Robert; Vanatalu, Kalju; Jarvet, Jüri; Tanner, Risto; Laur, Kristi; Tiigimägi, Piret; Kragelund, Birthe B.; Østerlund, Torben; Kogerman, Priit PLoS ONE 2013 / art. e76972 <https://doi.org/10.1371/journal.pone.0076972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transcriptome-wide identification of genes involved in Ascorbate–Glutathione cycle (Halliwell–Asada pathway) and related pathway for elucidating its role in antioxidative potential in finger millet (Eleusine coracana (L.))**

Avashthi, Himanshu; Pathak, Rajesh Kumar; Pandey, Neetesh; Arora, Sandeep; Mishra, Amrendra Kumar; Gupta, Vijai Kumar; Ramteke, Pramod Wasudeo; Kumar, Anil 3 Biotech 2018 / Art. nr. 499 <https://doi.org/10.1007/s13205-018-1511-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Uncovering the Oct-6 transcriptional program in Schwann cell differentiation**

Piirsoo, Marko; Kury, P.; Meijer, Dies GLIA 2002 / Suppl. 1, p. P159

**An upstream enhancer and MEF2 transcription factors fine-tune the regulation of the Bdnf gene in cortical and hippocampal neurons**

Avarlaid, Annela; Falkenberg, Kaisa; Lehe, Karin; Mudo, Giuseppa; Belluardo, Natale; Di Liberto, Valentina; Frinchi, Monica; Tuvikene, Jürgen; Timmusk, Tõnis Journal of biological chemistry 2024 / art. 107411, 12 p. : ill <https://doi.org/10.1016/j.jbc.2024.107411> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)