Hungarian Molecular Life Sciences Conference 2015 - List of accepted posters

Poster number	Presenting author	Title of poster	Accepted session
P-001	BENCE, Melinda	Auxin-induced protein degradation in <i>Drosophila melanogaster</i>	Developmental Genetics I.
P-002	DOMONKOS, Ágota	Analysis of ineffective nodulation mutants in <i>Medicago truncatula</i>	Developmental Genetics I.
P-003	ENDRE, Gabriella	The role of U-box ubiquitin ligases in plant-microbe interactions	Developmental Genetics I.
P-004	GOMBÁR, Anikó	The analysis of the role of a cysteine-rich receptor-like protein kinase required for symbiotic nitrogen fixation between <i>Medicago truncatula</i> and <i>Sinorhizobium meliloti</i>	Developmental Genetics I.
P-005	GOMBOS, Rita	The <i>Drosophila</i> formin dDAAM functions as an effector of the Planar Cell Polarity pathway during axon growth in the developing brain	Developmental Genetics I.
P-006	HOFFMANN, Orsolya	Analysis of the transmission of transposon-transgenic fluorophore protein in rabbit	Developmental Genetics I.
P-007	HORVÁTH, Beatrix	A single gene of the large nodule specific cysteine rich gene family has a unique role in bacteroid differentiation in the <i>Medicago truncatula</i> -rhizobium symbiotic association	Developmental Genetics I.
P-008	BAJUSZ, Csaba	Application of the CRISPR-Cas9 system for the <i>in vivo</i> target specific modification of a <i>Drosophila</i> gene coding for an actin binding protein	Developmental Genetics I.
P-009	HOTZI, Bernadette	Sex-specific regulation of development, ageing and behaviour in Caenorhabditis elegans	Developmental Genetics I.
P-010	KOVÁCS, Balázs	Production of highly inbred zebrafish (danio rerio) line with interspecific gynogenesis	Developmental Genetics I.
P-011	KOVÁCS, Balázs	De novo genome sequencing for identification of sex determining gene in african catfish (clarias gariepinus)	Developmental Genetics I.
P-012	LAKATOS, Zsanett	The short stop (shot) gene is required for efficient epithelial closure in <i>Drosophila melanogaster</i>	Developmental Genetics I.
P-013	LAURINYECZ, Barbara	The role of lipid metabolism during <i>Drosophila</i> spermatogenesis	Developmental Genetics I.
P-014	LENGYEL, Katalin	The role of Hox genes in Notch receptor expression in <i>C. elegans</i>	Developmental Genetics I.
P-015	MIGH, Ede	Identification of the interaction partners of the formin dDAAM required for axon growth	Developmental Genetics I.
P-016	SLEZÁK, Csilla	Characterizing the major protein components of <i>Drosophila</i> sperm proteome	Developmental Genetics I.
P-017	TAKÁCS, Sándor	Role of vesicular transport in acrosome formation and nuclear elongation during spermatogenesis	Developmental Genetics I.
P-018	VARGA, Gergely István	The function of headcase in the hematopoiesis of <i>Drosophila melanogaster</i>	Developmental Genetics I.
P-019	VARGA, Máté	Characterization of zebrafish mutants with impaired survival of fast-proliferating progenitor cells in the visual system	Developmental Genetics I.
P-020	VEDELEK, Viktor	The archipelago tumor suppressor gene is required for sperm individualization in <i>Drosophila</i>	Developmental Genetics I.
P-021	CSIZMADIA, Tamás	Degradation of secretory granules in <i>Drosophila</i> late larval and early pupal salivary gland cells	Developmental Genetics II.
P-022	HEVESI, Zsófia	The role of epg4 in autophagy in <i>Drosophila</i>	Developmental Genetics II.
P-023	HOLCZER, Marianna	A systems biological view of life-and-death decision after endoplasmic reticulum stress – the role of PERK pathway	Developmental Genetics II.
P-024	HORNUNG, Ákos	Novel role for galectin-1 in T-cells under physiological and pathological conditions	Developmental Genetics II.
P-025	JIPA, András	Cas9-mediated mutagenesis of core autophagy genes in <i>Drosophila</i>	Developmental Genetics II.
P-026	KISS, Beáta	Retinoids induce NUR77-dependent apoptosis in mouse thymocytes	Developmental Genetics II.
P-027	KOVÁCS, Tibor	Autophagy-dependent regeneration of stem cells in the <i>Drosophila</i> male germline	Developmental Genetics II.
P-028	SÁNDOR, Zoltán	TGF-ß signaling pathway and autophagy	Developmental Genetics II.
P-029	TÓTH, Sarolta	Investigating the role of Hps1 and Hps4 proteins in autophagy	Developmental Genetics II.
P-030	ZSIROS, Viktória	Autophagy (mitophagy) plays crucial role in tissue remodelling during mesenchymal-to-epithelial transition (MET) in rat mesenteric mesothelial cells	Developmental Genetics II.
P-031	GERVAI, Judit Zsuzsanna	Genetic evidence of the role of PCNA post-translational modifications in DNA damage tolerance	DNA Repair

P-032	PÉTERI, Adrienn Zsanett	The effect of radiation on murine brain pericytes	DNA Repair
P-033	PÓTI, Ádám	The genome of the chicken DT40 bursal lymphoma cell line	DNA Repair
P-034	SZELTNER, Zoltán	Establishment of an <i>in vitro</i> replication system for studying replication bypass mechanisms	DNA Repair
P-035	SZIKRISZT, Bernadett	The function of BRCA1 in chicken DT40 cells in the response to alkylating DNA damage	DNA Repair
P-036	ÚJFALUDI, Zsuzsanna	UVB induces a major genome-wide rearrangement of RNA polymerase II at transcribed human genes	DNA Repair
P-037	MÁTÉS, Lajos	A novel somatic gene transfer system in mice	Genome organization and mobile genetic elements
P-038	PUSZTAI, Dávid	Development of an in vitro RNAi efficiency monitoring system	Genome organization and mobile genetic elements
P-039	FÁRI, Karolina	The role of β-adrenergic receptor in the bile salt signaling	Membrane, Transport, Trafficking
P-040	HEGYI, Zoltán	Investigation of potential sterol-binding sites in the ABCG1 protein	Membrane, Transport, Trafficking
P-041	NÉMET, Orsolya	Investigation of non-synonymous SNPs in the gene encoding human Organic Anion Transporting Polypeptide 4A1	Membrane, Transport, Trafficking
P-042	PATIK, Izabel	Functional expression of human Organic Anion Transporting Polypeptides (OATPs) in Sf9 insect cells reveals sodium-fluorescein as a general OATP substrate	Membrane, Transport, Trafficking
P-043	RAKVÁCS, Zsófia	A potential role of the putative mitochondrial transporter ABCB6 in vacuolar detoxification	Membrane, Transport, Trafficking
P-044	SZALÓKI, Gábor	Substrate binding and transport by Walker-A mutant Pgps	Membrane, Transport, Trafficking
P-045	ADONYI, Ádám	Complete genome characterization of novel avian picornaviruses (Orivirus A1 and A2): Identification of potential recombination events and variable genome regions	Microbial Genetics
P-046	DRASKOVITS, Gábor	Construction of a prophage-free, hybrid-genome E. coli BL21 host strain by directed genome shuffling	Microbial Genetics
P-047	KARANYICZ, Edina	Genetic examination of interspecies Saccharomyces hybrids	Microbial Genetics
P-048	KARANYICZ, Edina	Three-species saccharomyces hybrids: formation and analysis	Microbial Genetics
P-049	KISS, Írisz Éva	Mechanism of antibiotic self-resistance of primycin producing Saccharomonospora azurea strains	Microbial Genetics
P-050	KOVÁTS, Gyöngyi	The identification of two novel alleles of the RSD (Regulator of Symbiosome Differentiation) gene in <i>Medicago truncatula</i>	Microbial Genetics
P-051	MURÁNYI, Gábor	Deletion analysis of Salmonella Genomic Island 1	Microbial Genetics
P-052	PAPP, László Attila	Conserved synteny and gene order determination in Schizosaccharomyces	Microbial Genetics
P-053	TóTH, Ákos	Next Generation Sequencing: Powerful tool for targeting novel cellulolytic model organisms	Microbial Genetics
P-054	URBÁN, Péter	qPCR assay for measuring <i>Trichoderma</i> peptaibol synthetase gene expression	Microbial Genetics
P-055	VALASEK, Andrea	From genomics to proteomics in the field of antibiotic research	Microbial Genetics
P-056	AMBRUS, Attila	Comparative characterization of bacterial and human pyruvate and alpha-ketoglutarate dehydrogenase multienzyme complexes reconstituted from recombinant components: binding stoichiometry, pH-dependence and reactive oxygen species generation	Molecular Mechanism of Diseases
P-057	PINTÉR, Lajos	The benefits and hazards of new generation sequencing in genetic diseases	Molecular Mechanism of Diseases
P-058	HETEY, Szabolcs	Molecular biological characterization of H3.3 K27M with biophysical techniques	Molecular Mechanism of Diseases
P-059	NAGY, Nikoletta	Mutation screening in rare myopathies	Molecular Mechanism of Diseases
P-060	HULIÁK, Ildikó	Comparison of tumor-associated and normal myofibroblasts derived from patients bearing gastrointestinal tumors	Molecular Mechanism of Diseases

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P-062	KOVÁCS, Dávid	Resistance mechanisms in silver-citrate nanoparticle treated cancer cells	Molecular Mechanism of Diseases
P-063	KIS, Szilvia	Isolation and characterisation of a novel nepovirus	Molecular Mechanism of Diseases
P-064	KISS, András	Type IV collagen domains identified via interallelic complementation regulate muscle differentiation and sarcomer formation	Molecular Mechanism of Diseases
P-065	KISS, Márton	Overexpression of antimicrobial peptide genes and intestinal dysfunction in <i>Drosophila</i> type IV collagen mutant	Molecular Mechanism of Diseases
P-066	KOVÁCS, Dávid	Silver nanoparticles induce cancer cell apoptosis in a p53 independent manner	Molecular Mechanism of Diseases
P-067	LUMNICZKY, Katalin	Ionizing radiation induced mitochondrial dysfunction in mouse brain	Molecular Mechanism of Diseases
P-068	POPOVICS, Nikoletta	Osmolytic treatment mitigates severe myopathy associated with IV collagen mutations in <i>Drosophila</i>	Molecular Mechanism of Diseases
P-069	SOMOGYVÁRI, Milán	DAF-21 controls DAF-16 transcription factor activation in an isoform-specific manner	Molecular Mechanism of Diseases
P-070	SULÁK, Adrienn	One mutation, two phenotypes: a single nonsense mutation of the CTSC gene causes two clinically distinct phenotypes	Molecular Mechanism of Diseases
P-071	SZTUPINSZKI, Zsófia	Gene expression-based prediction of lymph node status in breast cancer	Molecular Mechanism of Diseases
P-072	THANGARAJU, Kiruphagaran	Development of protein and cell based systems to study isopeptidase activity of transglutaminase 2	Molecular Mechanism of Diseases
P-073	TRIPOLSZKI, Kornélia	Newly identified somatic mutations in the PIK3CA gene and their importance in therapy development for the Klippel- Trenaunay syndrome	Molecular Mechanism of Diseases
P-074	VALKONY-KELEMEN, Ildikó	Congenital muscular dystrophy in <i>Drosophila</i> type IV collagen mutants: Rapid progression associated with altered integrin biding sites within COL4A1	Molecular Mechanism of Diseases
P-075	FARKAS, Katalin	Results of genetic investigation and haplotype analysis in European pedigrees with Brooke-Spiegler syndrome	Other
P-076	FEHÉR, Anita	Generation of genetically modified mice using TALEN technology	Other
P-077	FIDLER, Gábor	Combining standard clinical methods with PCR showed improved diagnosis of invasive pulmonary aspergillosis	Other
P-078	FRANK, Krisztián	Microsatellite markers developed for red deer using genome sequence data	Other
P-079	HMINKÓ, Krisztina	Surfactant protein expression in the avian thymic medulla	Other
P-080	HALÁSZ, László	Metapeak: peak-based enrichment profiling of chromatin immunoprecipitation-sequencing (ChIP-Seq) data	Other
P-081	LÁNG, Orsolya	Mechanopharmacological screening platform	Other
P-082	MAJOR, Péter	Molecular characterization of transgenic mouse model of long qt syndrome	Other
P-083	ŐSZ, Ágnes	Genetic background of the Hungarian brown trout populations using PCR-RFLP and microsatellite markers	Other
P-084	PÁLINKÁS, Hajnalka Laura	Examining genome integrity maintenance in human cell lines by site-specific, biallelic gene knock-out technology	Other
P-085	TÓTH, Eszter	Restriction enzyme body doubles and PCR cloning: On the general use of Type IIS restriction enzymes for cloning	Other
P-086	VEDELEK, Balázs	Heterologous expression and <i>in vitro</i> analysis of accelerately evolving <i>Drosophila</i> proteins involved in telomere maintenance	Other
P-087	VITÁNYI, Beáta	Mlo gene polymorphism in Triticum monococcum L.	Other
P-088	ÁCS, Veronika	Role of the C-terminal long disordered region of human UPF2 in fly-casting and the mechanism of nonsense- mediated mRNA decay	Protein Structure and Function
P-089	BENEDEK, András	Inhibition of the eukaryotic Drosophila melanogaster dUTPase by Stl, a Staphylococcal repressor protein	Protein Structure and Function

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P-090	BIRI, Beáta	Metastasis-associated S100A4 serves as a specific amine substrate for tissue transglutaminase-2	Function
P-091	CSERKASZKY, Anna	Intramolecular interactions in the scaffold protein Tks4	Protein Structure and
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P-092	DOBSON, László	CCTOP: Consensus Constrainted TOPology prediction method	Function
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P-093	DUDOLA, Dániel	Assessing the compliance of dynamic protein structural ensembles with experimental NMR data	Function
P-094	DURÓ, Norbert	Does viral fuzziness contribute to molecular mimicry of eukariotic motifs?	Protein Structure and
1 004	Borto, Norbert	Does viral lazziness contribute to molecular minnery of caractotic motils.	Function
P-095	ERGULEN, Elvan	The functional relevance of DNAJA1 as a novel interacting partner of human transglutaminase 2	Protein Structure and
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P-096	GÁSPÁRI, Zoltán	Dynamic structural ensembles of the 3rd PDZ domain of PSD-95	Function
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P-097	GLATZ, Gábor	Ubiquitin-dependent phosphorylation of ERK5 in a three component signaling complex	Function
P-098	SZÖLLŐSI, Dániel	Transcriptional regulatory interactions in the chemoimmune system including transporters, metabolic enzymes, and	Protein Structure and
P-096	SZOLLOSI, Daniei	transcription factors	Function
P-099	HIRMONDÓ, Rita	Using a molecular switch to decipher protein-protein interactions within the living cell: What can we learn about	Protein Structure and
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P-100	IORDANOV, Iordan	Role of the NUDT9H domain of TRPM2	Protein Structure and Function
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P-101	KIRSCH, Klára	Interaction between ATF2 transcription factor and JNK mitogen activated protein kinase	Function
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P-102	KISS-TÓTH, Annamária	Computational analysis of hominoid-specific de novo genes expressed in the brain	Function
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P-104	MAJOROS, Hajnalka	A Serine protease inhibitor Bomapin requires for UVB stress response	Protein Structure and
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P-105	MAKRA, Ildikó	Biological effects of β-sheet analogs designed on the basis of angiogen inhibitor anginex	Protein Structure and Function
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P-106	MARTON, Lívia	Puzzling out: the beginning of a long way to chart the role of pfcct structural elements in function	Function
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P-107	MÉSZÁROS, Attila	N-terminal tail of DR0550 Nudix hydrolase acts as an intrinsically disordered intramolecular chaperon	Function
P-108	MISKEI, Márton	Genome-wide analysis of fuzzy complexes	Protein Structure and
1 100	WHOREI, Warton	denome wide analysis of fazzy complexes	Function
P-109	MOLNÁR, János	Characteristic mutations in transmembrane proteins associated with human diseases	Protein Structure and
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P-110	NAGY, Ágota	Anaphase Promoting Complex subunits with unusual characteristics	Function
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P-111	NÉMETH, Dorottya	Specific modifications of membrane-associated proteins for live cell applications	Function
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P-116	SZABÓ, Beáta	Structure and lifetime of the intrinsically disordered plant dehydrin ERD14 in vivo	Protein Structure and Function
P-117	SZABÓ, Judit Eszter	Characterization of species-specific inhibitory effect on dUTPases by a transcription factor encoded by Staphylococcus aureus	Protein Structure and Function
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P-119	ERDŐS, Edina	Mapping the Estrogen Receptor alpha binding sites derived from ER positive cell lines in the light of the 1000 Genomes Project	Regulation of Gene Expression, Epigenetics
P-120	FARAGÓ, Anikó	Identification of histone acetyltransferases affecting aging in <i>Drosophila</i>	Regulation of Gene Expression, Epigenetics
P-121	FARKAS, Dávid	Revealing the in situ function of the bxd TRE in maintaining the active state of the bxd cis-regulatory region of Drosophila	Regulation of Gene Expression, Epigenetics
P-122	SZABÓ, Gábor	The effect of histone modifications and DNA superhelicity on nucleosome stability	Regulation of Gene Expression, Epigenetics
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P-124	PÁHI, Zoltán	The TAF10-containing TFIID is necessary for the ecdysone inducing larval-pupal transition in <i>Drosophila melanogaster</i>	Regulation of Gene Expression, Epigenetics
P-125	PAPP, László Attila	Protein kinase A signaling in the dimorphic fission yeast Schizosaccharomyces japonicus	Regulation of Gene Expression, Epigenetics
P-126	PESTI, Réka	Gene expression changes behind symptom development in virus infected plants	Regulation of Gene Expression, Epigenetics
P-127	SZABÓ, Lujza	The changes in genetic regulation of the spleen in lack of transcription factor Nkx2.3	Regulation of Gene Expression, Epigenetics
P-128	SZÁNTÓ, András	R-loops as potent targets of innate immunity	Regulation of Gene Expression, Epigenetics
P-129	TAISZ, István	The role of chemosensory stimuli in the cellular stress response of the Caenorhabditis elegans	Regulation of Gene Expression, Epigenetics
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P-131	CZOTTER, Nikoletta	NGS aided diagnostics revealed the presence of recently described viruses in Hungarian grapevine plantations	Regulatory RNAs
P-132	GYULA, Péter	Identification of host genes for viral symptom development by comparing Arabidopsis ecotypes	Regulatory RNAs
P-133	KIS, András	Polycistronic artificial miRNAs mediated resistance to Wheat dwarf virus in barley is highly efficient at low temperature	Regulatory RNAs
P-134	KONTRA, Levente	The role of DCL2 and DCL4 in plant-virus interaction	Regulatory RNAs
P-135	LUDMAN, Márta	Use of the CRISPR/CAS9 system for genome editing in tobacco	Regulatory RNAs
P-136	NÉMETH, Kinga	Identification and examination of rabbit microRNA-s in different developmental stages of embryos and stem cells	Regulatory RNAs
P-137	SÓS-HEGEDŰS, Anita	Small RNA regulation of plant NB-LRR defence gene family	Regulatory RNAs
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P-139	JOÓS, Gergely	Are adenosine A3 receptors required for proper phagocytosis of apoptotic cells?	Signaling, Cell-cell Communication

P-140	KATZ, Sándor	GMCSF induced epithelial-to-macrophage transition of mesenteric mesothelial cells: an in vitro study	Signaling, Cell-cell Communication
P-141	KOVÁCS, László	Increased SAM pool and PA/Ethylene ratios in transgenic <i>Nicotiana Benthamiana</i> plants resulted in marked changes in salt tolerance, protein content and biomass production	Signaling, Cell-cell Communication
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P-143	KURUCZ, Anita	The regulatory connection between NRF2 transcription factor and AMPK energy sensor	Signaling, Cell-cell Communication
P-144	PADÁNYI, Rita	The plasma membrane Ca2+ATPase can regulate Ca2+ signaling by controlling phosphatidylinositol 4,5-bisphosphate level	Signaling, Cell-cell Communication
P-145	PETRÉNYI, Katalin	Revealing the functions of protein phosphatase Z1 in Candida albicans with proteomic methods	Signaling, Cell-cell Communication
P-146	PÓTI, Ádám	Semi-rational inhibitor design based on the structure of the mitogen activated protein kinase	Signaling, Cell-cell Communication
P-147	SRAJNER, Péter	The role of HSF-1 transcription factor in the formation of heat shock activated ER stress	Signaling, Cell-cell Communication
P-148	TAMÁS, István	The role of myosin phosphatase in regulating the SNAP25 protein	Signaling, Cell-cell Communication
P-149	KOSÓCZKI, Éva	Direct assessment of calcium signals in hepatocytes isolated from rats transgenic for GCAMP2 calcium sensor	Signaling, Cell-cell Communication
P-150	ZEKE, András	Systematic identification of mitogen-activated protein kinase (MAPK) docking motifs in the human proteome reveal a widespread and dynamically evolving system.	Signaling, Cell-cell Communication
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P-152	HATHY, Edit	Human pluripotent stem cell derived dentate gyrus PROX1 neurons and medial ganglionic eminence GABA interneurons as systems for <i>in vitro</i> disease modelling	Stem Cells
P-153	IVÁN, Judit	The role of short-chain fatty acids in adipogenic differentiation of chorion-derived mesenchymal stem cells	Stem Cells
P-154	KELLER-PINTÉR, Anikó	The role of syndecan-4 in myoblast proliferation	Stem Cells
P-155	KOVÁCS, Gergő	Lack of Rybp impairs neural differentiation of embryonic stem cells	Stem Cells
P-156	KRISTON-PÁL, Éva	Mesenchymal stem cell-derived galectin-1 plays role in physiological and pathological vessel formation	Stem Cells
P-157	KŐHIDAI, László	Biological effect of mouthwash compounds on dental stem cells and gingival epithelium	Stem Cells
P-158	LÁZÁR, Bence	Examination the expression of pluripotency related markers in the gonads and primordial germ cells of different types of chicken breeds	Stem Cells
P-159	NAGY, Péter	Autophagy is required for intestinal stem cell maintenance and hyperplasia caused by UVRAG deficiency in Drosophila	Stem Cells
P-160	PECSENYE-FEJSZÁK, Nóra	Ontogenic study of the bursal stem cells using a novel monoclonal antibody	Stem Cells
P-161	SZCZESNA, Karolina	Role of bFGF and EGF in neural rosette formation	Stem Cells
P-162	TÖRÖK, György	Transporter expression profiling during hepatic differentiation of human pluripotent stem cells	Stem Cells
P-163	KARCAGI, Ildikó	An experimental test of the adaptive genome streamlining hypothesis	Systems Biology
P-164	UDVARI, Edina	Complement component 1q-binding protein is present in some nerve terminals and involved in maternal adaptations of the hypothalamus	Systems Biology
P-165	VÖLGYI, Katalin	Proteomic analysis of the medial prefrontal cortex and the hypothalamic preoptic area in mother rats	Systems Biology
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