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2280	Ariadne's Thread in the Analytical Labyrinth of Membrane Proteins: Integration of Targeted and Shotgun Proteomics for Global Absolute Quantification of Membrane Proteins. <b>2019</b> , 91, 11972-11980		4
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2103	Comparative proteomic analysis of trypomastigotes from Trypanosoma cruzi strains with different pathogenicity. <b>2019</b> , 76, 104041	8

2102	Evaluating False Transfer Rates from the Match-between-Runs Algorithm with a Two-Proteome Model. <b>2019</b> , 18, 4020-4026	25
2101	Proteome Integral Solubility Alteration: A High-Throughput Proteomics Assay for Target Deconvolution. <b>2019</b> , 18, 4027-4037	56
2100	The RNA-mediated estrogen receptor interactome of hormone-dependent human breast cancer cell nuclei. <b>2019</b> , 6, 173	7
2099	Pax3 cooperates with Ldb1 to direct local chromosome architecture during myogenic lineage specification. <b>2019</b> , 10, 2316	17
2098	A combined FSTRA-shotgun proteomics approach to identify molecular changes in zebrafish upon chemical exposure. <b>2019</b> , 9, 6599	9
2097	Proteomics and Proteogenomics Analysis of Sweetpotato ( <i>Ipomoea batatas</i> ) Leaf and Root. <b>2019</b> , 18, 2719-2734	6
2096	DamC reveals principles of chromatin folding in vivo without crosslinking and ligation. <b>2019</b> , 26, 471-480	45
2095	Mediator complex interaction partners organize the transcriptional network that defines neural stem cells. <b>2019</b> , 10, 2669	27
2094	Investigation of Oligodendrocyte Precursor Cell Differentiation by Quantitative Proteomics. <b>2019</b> , 19, e1900057	10
2093	PTPN21 and Hook3 relieve KIF1C autoinhibition and activate intracellular transport. <b>2019</b> , 10, 2693	26
2092	XAB2 depletion induces intron retention in POLR2A to impair global transcription and promote cellular senescence. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 8239-8254	20.1 7
2091	Cross-linking Proteomics Indicates Effects of Simvastatin on the TLR2 Interactome and Reveals ACTR1A as a Novel Regulator of the TLR2 Signal Cascade. <b>2019</b> , 18, 1732-1744	8
2090	Quantitative proteomics revealed C6orf203/MTRES1 as a factor preventing stress-induced transcription deficiency in human mitochondria. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 7502-7517	20.1 9
2089	Proteomic analysis of urinary extracellular vesicles reveal biomarkers for neurologic disease. <b>2019</b> , 45, 351-361	49
2088	Inhibition of mPGES-1 or COX-2 Results in Different Proteomic and Lipidomic Profiles in A549 Lung Cancer Cells. <b>2019</b> , 10, 636	10
2087	Comparative proteomic study of liver lipid droplets and mitochondria in mice housed at different temperatures. <b>2019</b> , 593, 2118-2138	7
2086	NanoBlow: A Simple Device To Limit Contaminants during NanoLC-MS. <b>2019</b> , 18, 3219-3222	3
2085	Targeted and Interactome Proteomics Revealed the Role of PHD2 in Regulating BRD4 Proline Hydroxylation. <b>2019</b> , 18, 1772-1781	9

2084	Cytosine N4-Methylation via M.Ssp6803II Is Involved in the Regulation of Transcription, Fine-Tuning of DNA Replication and DNA Repair in the Cyanobacterium sp. PCC 6803. <b>2019</b> , 10, 1233	14
2083	Comparative Integrated Omics Analysis of the Hfq Regulon in. <b>2019</b> , 20,	5
2082	Proteomics characterization of extracellular vesicles sorted by flow cytometry reveals a disease-specific molecular cross-talk from cerebrospinal fluid and tears in multiple sclerosis. <b>2019</b> , 204, 103403	60
2081	Quantification of cellular protein and redox imbalance using SILAC-iodoTMT methodology. <b>2019</b> , 24, 101227	16
2080	Alterations in Lipid Profile of the Aging Kidney Identified by MALDI Imaging Mass Spectrometry. <b>2019</b> , 18, 2803-2812	13
2079	The TOR Pathway Plays Pleiotropic Roles in Growth and Stress Responses of the Fungal Pathogen. <b>2019</b> , 212, 1241-1258	12
2078	Development of a Robust Ultrasonic-Based Sample Treatment To Unravel the Proteome of OCT-Embedded Solid Tumor Biopsies. <b>2019</b> , 18, 2979-2986	5
2077	SILAC Quantitative Proteomics and Biochemical Analyses Reveal a Novel Molecular Mechanism by Which ADAM12S Promotes the Proliferation, Migration, and Invasion of Small Cell Lung Cancer Cells through Upregulating Hexokinase 1. <b>2019</b> , 18, 2903-2914	9
2076	Global Proteome and Ubiquitinome Changes in the Soluble and Insoluble Fractions of Q175 Huntington Mice Brains. <b>2019</b> , 18, 1705-1720	15
2075	The Translational Landscape of the Human Heart. <b>2019</b> , 178, 242-260.e29	210
2074	Novel Prognostic Markers in Triple-Negative Breast Cancer Discovered by MALDI-Mass Spectrometry Imaging. <b>2019</b> , 9, 379	18
2073	One-Pot Quantitative Top- and Middle-Down Analysis of GluC-Digested Histone H4. <b>2019</b> , 30, 2514-2525	11
2072	Assessing the Relationship Between Mass Window Width and Retention Time Scheduling on Protein Coverage for Data-Independent Acquisition. <b>2019</b> , 30, 1396-1405	12
2071	Intact Transition Epitope Mapping - Targeted High-Energy Rupture of Extracted Epitopes (ITEM-THREE). <b>2019</b> , 18, 1543-1555	11
2070	Multifaceted Mass Spectrometric Investigation of Neuropeptide Changes in Atlantic Blue Crab, <i>Callinectes sapidus</i> , in Response to Low pH Stress. <b>2019</b> , 18, 2759-2770	14
2069	Musashi interaction with poly(A)-binding protein is required for activation of target mRNA translation. <b>2019</b> , 294, 10969-10986	14
2068	Accurate Precursor Mass Assignment Improves Peptide Identification in Data-Independent Acquisition Mass Spectrometry. <b>2019</b> , 91, 8453-8460	3
2067	Resolving oxidative damage to methionine by an unexpected membrane-associated stereoselective reductase discovered using chiral fluorescent probes. <b>2019</b> , 286, 4024-4035	9

2066	miR-17-92 and miR-106b-25 clusters regulate beta cell mitotic checkpoint and insulin secretion in mice. <b>2019</b> , 62, 1653-1666	11
2065	Multimiomics Analyses of HNF4 $\beta$ Protein Domain Function during Human Pluripotent Stem Cell Differentiation. <b>2019</b> , 16, 206-217	10
2064	Single-Shot Capillary Zone Electrophoresis-Tandem Mass Spectrometry Produces over 4400 Phosphopeptide Identifications from a 220 ng Sample. <b>2019</b> , 18, 3166-3173	14
2063	High throughput LC-MS/MS-based proteomic analysis of excretory-secretory products from short-term in vitro culture of <i>Haemonchus contortus</i> . <b>2019</b> , 204, 103375	19
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2061	Updated MSPIP web server delivers fast and accurate MS peak intensity prediction for multiple fragmentation methods, instruments and labeling techniques. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, W295-W299	52
2060	Systems Analyses Reveal the Resilience of <i>Escherichia coli</i> Physiology during Accumulation and Export of the Nonnative Organic Acid Citramalate. <b>2019</b> , 4,	5
2059	Phosphoproteome Analysis Reveals Estrogen-ER Pathway as a Modulator of mTOR Activity Via DEPTOR. <b>2019</b> , 18, 1607-1618	13
2058	Detecting single amino acids and small peptides by combining isobaric tags and peptidomics. <b>2019</b> , 25, 451-456	0
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2056	Electron Transfer/Higher Energy Collisional Dissociation of Doubly Charged Peptide Ions: Identification of Labile Protein Phosphorylations. <b>2019</b> , 30, 1578-1585	15
2055	Decreased synthesis of ribosomal proteins in tauopathy revealed by non-canonical amino acid labelling. <b>2019</b> , 38, e101174	33
2054	SIRT3 controls brown fat thermogenesis by deacetylation regulation of pathways upstream of UCP1. <b>2019</b> , 25, 35-49	21
2053	In Vivo Trapping of Proteins Interacting with the Chloroplast CLPC1 Chaperone: Potential Substrates and Adaptors. <b>2019</b> , 18, 2585-2600	8
2052	Murine obscurin and Obsl1 have functionally redundant roles in sarcolemmal integrity, sarcoplasmic reticulum organization, and muscle metabolism. <b>2019</b> , 2, 178	6
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2049	Thylakoid Protein Phosphorylation Dynamics in a Moss Mutant Lacking SERINE/THREONINE PROTEIN KINASE STN8. <b>2019</b> , 180, 1582-1597	13

2048	Comparison of Proteome Composition of Serum Enriched in Extracellular Vesicles Isolated from Polycythemia Vera Patients and Healthy Controls. <b>2019</b> , 7,	12
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2046	Isolation and mass spectrometry based hydroxyproline mapping of type II collagen derived from ear cartilage. <b>2019</b> , 2, 146	6
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2038	Integrative proteomics reveals an increase in non-degradative ubiquitylation in activated CD4 T cells. <b>2019</b> , 20, 747-755	15
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2035	Identification of ChIP-seq and RIME grade antibodies for Estrogen Receptor alpha. <b>2019</b> , 14, e0215340	2
2034	Global Quantification of Intact Proteins via Chemical Isotope Labeling and Mass Spectrometry. <b>2019</b> , 18, 2185-2194	9
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2031	The Dual Prey-Inactivation Strategy of Spiders-In-Depth Venomic Analysis of. <b>2019</b> , 11,	19

2030	A genome-wide algal mutant library and functional screen identifies genes required for eukaryotic photosynthesis. <b>2019</b> , 51, 627-635		97
2029	Dynamic BAF chromatin remodeling complex subunit inclusion promotes temporally distinct gene expression programs in cardiogenesis. <b>2019</b> , 146,		17
2028	Synovial fluid proteome changes in ACL injury-induced posttraumatic osteoarthritis: Proteomics analysis of porcine knee synovial fluid. <b>2019</b> , 14, e0212662		9
2027	Proteomic investigations of human HERC2 mutants: Insights into the pathobiology of a neurodevelopmental disorder. <b>2019</b> , 512, 421-427		9
2026	Analysis of durum wheat proteome changes under marine and fungal biostimulant treatments using large-scale quantitative proteomics: A useful dataset of durum wheat proteins. <b>2019</b> , 200, 28-39		12
2025	Cellular senescence in progenitor cells contributes to diminished remyelination potential in progressive multiple sclerosis. <b>2019</b> , 116, 9030-9039		93
2024	Differential role for phosphorylation in alternative polyadenylation function versus nuclear import of SR-like protein CPSF6. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 4663-4683	20.1	18
2023	Glycome and Proteome Components of Golgi Membranes Are Common between Two Angiosperms with Distinct Cell-Wall Structures. <b>2019</b> , 31, 1094-1112		23
2022	Accurate Quantitative Proteomic Analyses Using Metabolic Labeling and High Field Asymmetric Waveform Ion Mobility Spectrometry (FAIMS). <b>2019</b> , 18, 2129-2138		15
2021	Signs of biological activities of 28,000-year-old mammoth nuclei in mouse oocytes visualized by live-cell imaging. <b>2019</b> , 9, 4050		11
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2017	Profiling of Histidine Phosphoproteome in <i>Danio rerio</i> by TiO Enrichment. <b>2019</b> , 19, e1800471		7
2016	Cytological and Proteomic Analysis of Wheat Pollen Abortion Induced by Chemical Hybridization Agent. <b>2019</b> , 20,		3
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2009	Dual chemical probes enable quantitative system-wide analysis of protein prenylation and prenylation dynamics. <b>2019</b> , 11, 552-561	42
2008	Proximity-dependent proteomics of the Chlamydia trachomatis inclusion membrane reveals functional interactions with endoplasmic reticulum exit sites. <b>2019</b> , 15, e1007698	17
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2003	A mechanism for temporary bioadhesion. <b>2019</b> , 116, 4297-4306	35
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2001	Borealin-nucleosome interaction secures chromosome association of the chromosomal passenger complex. <b>2019</b> , 218, 3912-3925	15
2000	Chaperone-mediated ordered assembly of the SAGA and NuA4 transcription co-activator complexes in yeast. <b>2019</b> , 10, 5237	16
1999	Contribution of proteasome-catalyzed peptide -splicing to viral targeting by CD8 T cells in HIV-1 infection. <b>2019</b> , 116, 24748-24759	27
1998	Resistance in marine cyanobacteria differs against specialist and generalist cyanophages. <b>2019</b> , 116, 16899-16908	26
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1996	R2-P2 rapid-robotic phosphoproteomics enables multidimensional cell signaling studies. <b>2019</b> , 15, e9021	46
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1987	Galnt11 regulates kidney function by glycosylating the endocytosis receptor megalin to modulate ligand binding. <b>2019</b> , 116, 25196-25202	21
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1985	Prolyl hydroxylase substrate adenylosuccinate lyase is an oncogenic driver in triple negative breast cancer. <b>2019</b> , 10, 5177	11
1984	Heat-induced hyperthermia impacts the follicular fluid proteome of the periovulatory follicle in lactating dairy cows. <b>2019</b> , 14, e0227095	5
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1977	Cerebrospinal Fluid-Derived Microvesicles From Sleeping Sickness Patients Alter Protein Expression in Human Astrocytes. <b>2019</b> , 9, 391	3

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1955	1-Deoxydihydroceramide causes anoxic death by impairing chaperonin-mediated protein folding. <b>2019</b> , 1, 996-1008		10
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1951	The European Bioinformatics Institute in 2018: tools, infrastructure and training. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D15-D22	20.1	21
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1946	Detection of biomarkers to differentiate endocrine disruption from hepatotoxicity in zebrafish ( <i>Danio rerio</i> ) using proteomics. <b>2020</b> , 240, 124970		12
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1933	Intact Transition Epitope Mapping - Thermodynamic Weak-force Order (ITEM - TWO). <b>2020</b> , 212, 103572		5
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1931	Profiling Differentially Abundant Proteins by Overexpression of Three Putative Methyltransferases in <i>Xanthomonas axonopodis</i> pv. <i>glycines</i> . <b>2020</b> , 20, e1900125		2
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1928	Time-resolved phosphoproteomic analysis elucidates hepatic 11,12-Epoxyeicosatrienoic acid signaling pathways. <b>2020</b> , 146, 106387		1
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1926	Quantitative Proteomics of Enriched Esophageal and Gut Tissues from the Human Blood Fluke Pinpoints Secreted Proteins for Vaccine Development. <b>2020</b> , 19, 314-326		7
1925	Modification of the cyclopropyl moiety of abacavir provides insight into the structure activity relationship between HLA-B*57:01 binding and T-cell activation. <b>2020</b> , 75, 636-647		12
1924	Metabolic quirks and the colourful history of the <i>Euglena gracilis</i> secondary plastid. <b>2020</b> , 225, 1578-1592		30
1923	GUN1 influences the accumulation of NEP-dependent transcripts and chloroplast protein import in <i>Arabidopsis</i> cotyledons upon perturbation of chloroplast protein homeostasis. <b>2020</b> , 101, 1198-1220		16

1922	The Cytotoxic Natural Product Vioprolide A Targets Nucleolar Protein 14, Which Is Essential for Ribosome Biogenesis. <b>2020</b> , 59, 1595-1600	24
1921	Acyldepsipeptide Probes Facilitate Specific Detection of Caseinolytic Protease P Independent of Its Oligomeric and Activity State. <b>2020</b> , 21, 235-240	3
1920	A Click-Chemistry-Based Enrichable Crosslinker for Structural and Protein Interaction Analysis by Mass Spectrometry. <b>2020</b> , 21, 103-107	6
1919	The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes. <b>2020</b> , 77, 149-166	15
1918	Qualitative proteomic comparison of metabolic and CM-like protein fractions in old and modern wheat Italian genotypes by a shotgun approach. <b>2020</b> , 211, 103530	8
1917	H-Ras activation and fibroblast-induced TGF- $\beta$ signaling promote laminin-332 accumulation and invasion in cutaneous squamous cell carcinoma. <b>2020</b> , 87, 26-47	14
1916	Global Secretome Characterization of the Pathogenic Yeast. <b>2020</b> , 19, 49-63	9
1915	Robust, reproducible and quantitative analysis of thousands of proteomes by micro-flow LC-MS/MS. <b>2020</b> , 11, 157	105
1914	Insight about cell wall remodeling triggered by rifampicin in Mycobacterium tuberculosis. <b>2020</b> , 120, 101903	4
1913	Quantitative Proteomics Reveal an Altered Pattern of Protein Expression in Brain Tissue from Mice Lacking GPR37 and GPR37L1. <b>2020</b> , 19, 744-755	1
1912	Improved Single-Cell Proteome Coverage Using Narrow-Bore Packed NanoLC Columns and Ultrasensitive Mass Spectrometry. <b>2020</b> , 92, 2665-2671	72
1911	Treacle controls the nucleolar response to rDNA breaks via TOPBP1 recruitment and ATR activation. <b>2020</b> , 11, 123	21
1910	Proteomic Analysis of CSF from Patients with Leptomeningeal Melanoma Metastases Identifies Signatures Associated with Disease Progression and Therapeutic Resistance. <b>2020</b> , 26, 2163-2175	19
1909	Architecture of The Human Ape1 Interactome Defines Novel Cancers Signatures. <b>2020</b> , 10, 28	7
1908	The plastidial NFU1 protein binds and delivers [4Fe-4S] clusters to specific client proteins. <b>2020</b> , 295, 1727-1742	10
1907	Twin enzymes, divergent control: The cholesterologenic enzymes DHCR14 and LBR are differentially regulated transcriptionally and post-translationally. <b>2020</b> , 295, 2850-2865	11
1906	Adipocyte extracellular vesicles carry enzymes and fatty acids that stimulate mitochondrial metabolism and remodeling in tumor cells. <b>2020</b> , 39, e102525	91
1905	Quantitative Proteome Responses to Oncolytic Reovirus in GM-CSF- and M-CSF-Differentiated Bone Marrow-Derived Cells. <b>2020</b> , 19, 708-718	2

1904	Intestinal response to dietary manganese depletion in <i>Drosophila</i> . <b>2020</b> , 12, 218-240	11
1903	Pressure Cycling Technology Assisted Mass Spectrometric Quantification of Gingival Tissue Reveals Proteome Dynamics during the Initiation and Progression of Inflammatory Periodontal Disease. <b>2020</b> , 20, e1900253	3
1902	Glycated Plasma Proteins as More Sensitive Markers for Glycemic Control in Type 1 Diabetes. <b>2020</b> , 14, e1900104	7
1901	Pathogenic Bi-allelic Mutations in <i>NDUFAF8</i> Cause Leigh Syndrome with an Isolated Complex I Deficiency. <b>2020</b> , 106, 92-101	25
1900	Profiling of isomer-specific IgG N-glycosylation in cohort of Chinese colorectal cancer patients. <b>2020</b> , 1864, 129510	10
1899	RAB18 Loss Interferes With Lipid Droplet Catabolism and Provokes Autophagy Network Adaptations. <b>2020</b> , 432, 1216-1234	14
1898	Cucumber mosaic virus resistance: Comparative proteomics of contrasting <i>Cucumis sativus</i> cultivars after long-term infection. <b>2020</b> , 214, 103626	6
1897	Shotgun proteomics of <i>Strongyloides venezuelensis</i> infective third stage larvae: Insights into host-parasite interaction and novel targets for diagnostics. <b>2020</b> , 235, 111249	1
1896	Signature-Ion-Triggered Mass Spectrometry Approach Enabled Discovery of N- and O-Linked Glycosylated Neuropeptides in the Crustacean Nervous System. <b>2020</b> , 19, 634-643	16
1895	Glyco-CPLL: An Integrated Method for In-Depth and Comprehensive N-Glycoproteome Profiling of Human Plasma. <b>2020</b> , 19, 655-666	14
1894	Lymphatic remodelling in response to lymphatic injury in the hind limbs of sheep. <b>2020</b> , 4, 649-661	5
1893	NIMA-related kinase 9-mediated phosphorylation of the microtubule-associated LC3B protein at Thr-50 suppresses selective autophagy of p62/sequestosome 1. <b>2020</b> , 295, 1240-1260	12
1892	A LysR-Type Transcriptional Regulator <i>LcrX</i> Is Involved in Virulence, Biofilm Formation, Swimming Motility, Siderophore Secretion, and Growth in Sugar Sources in <i>Pv.</i> . <b>2019</b> , 10, 1657	8
1891	LINE-1 ORF2p expression is nearly imperceptible in human cancers. <b>2020</b> , 11, 1	18
1890	An RNA guanine quadruplex regulated pathway to TRAIL-sensitization by DDX21. <b>2020</b> , 26, 44-57	6
1889	Cross-linking Mass Spectrometry Analysis of the Yeast Nucleus Reveals Extensive Protein-Protein Interactions Not Detected by Systematic Two-Hybrid or Affinity Purification-Mass Spectrometry. <b>2020</b> , 92, 1874-1882	10
1888	Proteomic characterization of <i>Mycobacterium tuberculosis</i> reveals potential targets of bostrycin. <b>2020</b> , 212, 103576	7
1887	Systematic Comparison of Strategies for the Enrichment of Lysosomes by Data Independent Acquisition. <b>2020</b> , 19, 371-381	14

1886	Upstream ORF-Encoded ASDURF Is a Novel Prefoldin-like Subunit of the PAQosome. <b>2020</b> , 19, 18-27		15
1885	The Aspartic Protease Ddi1 Contributes to DNA-Protein Crosslink Repair in Yeast. <b>2020</b> , 77, 1066-1079.e9		29
1884	Probing the Proteomics Dark Regions by VAILase Cleavage at Aliphatic Amino Acids. <b>2020</b> , 92, 2770-2777		6
1883	Mass spectrometry-based selectivity profiling identifies a highly selective inhibitor of the kinase MELK that delays mitotic entry in cancer cells. <b>2020</b> , 295, 2359-2374		5
1882	Multi-omic Characterization of the Mode of Action of a Potent New Antimalarial Compound, JPC-3210, Against. <b>2020</b> , 19, 308-325		9
1881	The Mitochondrial Acyl-carrier Protein Interaction Network Highlights Important Roles for LYRM Family Members in Complex I and Mitoribosome Assembly. <b>2020</b> , 19, 65-77		27
1880	Proteome dataset of mouse macrophage cell line infected with tick-borne encephalitis virus. <b>2020</b> , 28, 105029		1
1879	Label-Free Quantitative Proteomics versus Antibody-Based Assays to Measure Neutrophil-Derived Enzymes in Saliva. <b>2020</b> , 14, e1900050		4
1878	Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 770-787	20.1	12
1877	LC-MS/MS based comparative proteomics of floral nectars reveal different mechanisms involved in floral defense of <i>Nicotiana</i> spp., <i>Petunia hybrida</i> and <i>Datura stramonium</i> . <b>2020</b> , 213, 103618		4
1876	Phase-Variable Glycosylation in Nontypeable. <b>2020</b> , 19, 464-476		8
1875	The deubiquitinase USP7 stabilizes Maf proteins to promote myeloma cell survival. <b>2020</b> , 295, 2084-2096		20
1874	Proteomic and metabolomic profiling underlines the stage- and time-dependent effects of high temperature on grape berry metabolism. <b>2020</b> , 62, 1132-1158		16
1873	A label-free shotgun proteomics analysis of macadamia nut. <b>2020</b> , 129, 108838		13
1872	The developmental phosphoproteome of <i>Haemonchus contortus</i> . <b>2020</b> , 213, 103615		9
1871	Optimized Workflow for Multiplexed Phosphorylation Analysis of TMT-Labeled Peptides Using High-Field Asymmetric Waveform Ion Mobility Spectrometry. <b>2020</b> , 19, 554-560		25
1870	Proteomic analysis of whole saliva in chronic periodontitis. <b>2020</b> , 213, 103602		10
1869	Dynamic Phosphoproteome Profiling of Zebrafish Embryonic Fibroblasts during Cold Acclimation. <b>2020</b> , 20, e1900257		4



1868	Plant susceptibility genes as a source for potyvirus resistance. <b>2020</b> , 176, 122-129	8
1867	High CD206 levels in Hodgkin lymphoma-educated macrophages are linked to matrix-remodeling and lymphoma dissemination. <b>2020</b> , 14, 571-589	12
1866	Bioenergetic consequences from xenotopic expression of a tunicate AOX in mouse mitochondria: Switch from RET and ROS to FET. <b>2020</b> , 1861, 148137	23
1865	Enrichment and identification of small proteins in a simplified human gut microbiome. <b>2020</b> , 213, 103604	19
1864	Comparative Proteomics Unravels the Differences in Salt Stress Response of Own-Rooted and 110R-Grafted Thompson Seedless Grapevines. <b>2020</b> , 19, 583-599	5
1863	Moonlighting matrix metalloproteinase substrates: Enhancement of proinflammatory functions of extracellular tyrosyl-tRNA synthetase upon cleavage. <b>2020</b> , 295, 2186-2202	7
1862	The GID ubiquitin ligase complex is a regulator of AMPK activity and organismal lifespan. <b>2020</b> , 16, 1618-1634	19
1861	75-kDa glucose-regulated protein (GRP75) is a novel molecular signature for heat stress response in avian species. <b>2020</b> , 318, C289-C303	10
1860	A PhotoClick cholesterol-based quantitative proteomics screen for cytoplasmic sterol-binding proteins in <i>Saccharomyces cerevisiae</i> . <b>2020</b> , 37, 15-25	3
1859	In Situ Structural Restraints from Cross-Linking Mass Spectrometry in Human Mitochondria. <b>2020</b> , 19, 327-336	28
1858	The Human Immunopeptidome Project: A Roadmap to Predict and Treat Immune Diseases. <b>2020</b> , 19, 31-49	33
1857	Upregulated Expression of Calcium-Dependent Annexin A6: A Potential Biomarker of Ovarian Carcinoma. <b>2020</b> , 14, e1900078	3
1856	Identification of dual histone modification-binding protein interaction by combining mass spectrometry and isothermal titration calorimetric analysis. <b>2020</b> , 22, 35-46	6
1855	DIA-NN: neural networks and interference correction enable deep proteome coverage in high throughput. <b>2020</b> , 17, 41-44	179
1854	A heme-binding protein produced by <i>Haemophilus haemolyticus</i> inhibits non-typeable <i>Haemophilus influenzae</i> . <b>2020</b> , 113, 381-398	10
1853	Functional Translatome Proteomics Reveal Converging and Dose-Dependent Regulation by mTORC1 and eIF2 $\beta$ . <b>2020</b> , 77, 913-925.e4	35
1852	Multilayered N-Glycoproteome Profiling Reveals Highly Heterogeneous and Dysregulated Protein N-Glycosylation Related to Alzheimer's Disease. <b>2020</b> , 92, 867-874	21
1851	Label-Free Interactome Analysis Revealed an Essential Role of CUL3-KEAP1 Complex in Mediating the Ubiquitination and Degradation of PHD2. <b>2020</b> , 19, 260-268	0

1850	Glycolytic profile shift and antioxidant triggering in symbiont-free and HO-resistant <i>Strigomonas culicis</i> . <b>2020</b> , 146, 392-401		3
1849	ITRAQ-based quantitative proteomics reveals the first proteome profiles of piglets infected with porcine circovirus type 3. <b>2020</b> , 212, 103598		11
1848	Lipid droplet-associated kinase STK25 regulates peroxisomal activity and metabolic stress response in steatotic liver. <b>2020</b> , 61, 178-191		13
1847	Anabolism, catabolism and proteomic analysis in the slow-twitch muscle of pacu ( <i>Piaractus mesopotamicus</i> ) submitted to prolonged fasting followed by refeeding. <b>2020</b> , 51, 1101-1112		
1846	Polar recruitment of RLD by LAZY1-like protein during gravity signaling in root branch angle control. <b>2020</b> , 11, 76		36
1845	Structural basis for DNA recognition and allosteric control of the retinoic acid receptors RAR-RXR. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 9969-9985	20.1	7
1844	Molecular determinants of MED1 interaction with the DNA bound VDR-RXR heterodimer. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 11199-11213	20.1	9
1843	Proteome dynamics analysis identifies functional roles of SDE2 and hypoxia in DNA damage response in prostate cancer cells. <b>2020</b> , 2, zcaa010		6
1842	Selection for Resistance to a Glyphosate-Containing Herbicide in <i>Salmonella enterica</i> Does Not Result in a Sustained Activation of the Tolerance Response or Increased Cross-Tolerance and Cross-Resistance to Clinically Important Antibiotics. <b>2020</b> , 86,		6
1841	Sex Steroids Induce Membrane Stress Responses and Virulence Properties in <i>Pseudomonas aeruginosa</i> . <b>2020</b> , 11,		3
1840	A regulatory region on RIPK2 is required for XIAP binding and NOD signaling activity. <b>2020</b> , 21, e50400		3
1839	Putative Bifunctional Chorismate Mutase/Prephenate Dehydratase Contributes to the Virulence of. <b>2020</b> , 11, 569552		4
1838	Mutation Modifies Exportin 1 Localisation and Interactome in B-cell Lymphoma. <b>2020</b> , 12,		3
1837	Combinatory Treatment of Canavanine and Arginine Deprivation Efficiently Targets Human Glioblastoma Cells via Pleiotropic Mechanisms. <b>2020</b> , 9,		3
1836	Characterization of Clozapine-Responsive Human T Cells. <b>2020</b> , 205, 2375-2390		4
1835	Comprehensive histone epigenetics: A mass spectrometry based screening assay to measure epigenetic toxicity. <b>2020</b> , 7, 101055		2
1834	Label-Free Quantitative Phosphoproteomics Reveals Signaling Dynamics Involved in Embryogenic Competence Acquisition in Sugarcane. <b>2020</b> , 19, 4145-4157		5
1833	Surfaceome dynamics reveal proteostasis-independent reorganization of neuronal surface proteins during development and synaptic plasticity. <b>2020</b> , 11, 4990		9

1832	Combined Methylome, Transcriptome and Proteome Analyses Document Rapid Acclimatization of a Bacterium to Environmental Changes. <b>2020</b> , 11, 544785	1
1831	Temporal Proteomic Analysis of Herpes Simplex Virus 1 Infection Reveals Cell-Surface Remodeling via pUL56-Mediated GOPC Degradation. <b>2020</b> , 33, 108235	14
1830	Thiol-ene microfluidic chip for fast on-chip sample clean-up, separation and ESI mass spectrometry of peptides and proteins. <b>2020</b> , 1140, 168-177	5
1829	Activation of the CARD8 Inflammasome Requires a Disordered Region. <b>2020</b> , 33, 108264	16
1828	Computational Analysis of Alzheimer Amyloid Plaque Composition in 2D- and Elastically Reconstructed 3D-MALDI MS Images. <b>2020</b> , 92, 14484-14493	8
1827	Engineering Af1521 improves ADP-ribose binding and identification of ADP-ribosylated proteins. <b>2020</b> , 11, 5199	26
1826	A streamlined pipeline for multiplexed quantitative site-specific N-glycoproteomics. <b>2020</b> , 11, 5268	16
1825	Mapping glycan-mediated galectin-3 interactions by live cell proximity labeling. <b>2020</b> , 117, 27329-27338	16
1824	Proteotranscriptomics assisted gene annotation and spatial proteomics of Bombyx mori BmN4 cell line. <b>2020</b> , 21, 690	2
1823	Ovarian Blood Sampling Identifies Junction Plakoglobin as a Novel Biomarker of Early Ovarian Cancer. <b>2020</b> , 10, 1767	2
1822	Allosteric Priming of E. coli CheY by the Flagellar Motor Protein FliM. <b>2020</b> , 119, 1108-1122	2
1821	Molecular classification of the placebo effect in nausea. <b>2020</b> , 15, e0238533	0
1820	Applications of Genome-Wide Screening and Systems Biology Approaches in Drug Repositioning. <b>2020</b> , 12,	8
1819	Identification of Small-Molecule Activators of the Ubiquitin Ligase E6AP/UBE3A and Angelman Syndrome-Derived E6AP/UBE3A Variants. <b>2020</b> , 27, 1510-1520.e6	3
1818	Organoids Model Transcriptional Hallmarks of Oncogenic KRAS Activation in Lung Epithelial Progenitor Cells. <b>2020</b> , 27, 663-678.e8	28
1817	ATR is essential for preservation of cell mechanics and nuclear integrity during interstitial migration. <b>2020</b> , 11, 4828	15
1816	The atypical chemokine receptor 3 interacts with Connexin 43 inhibiting astrocytic gap junctional intercellular communication. <b>2020</b> , 11, 4855	4
1815	Yeast homologs of human MCUR1 regulate mitochondrial proline metabolism. <b>2020</b> , 11, 4866	9

1814	Hepatic FTO is dispensable for the regulation of metabolism but counteracts HCC development <i>in vivo</i> . <b>2020</b> , 42, 101085	18
1813	The Composition and the Structure of MCC/Eisosomes in. <b>2020</b> , 11, 2115	3
1812	Yeast Ppz1 protein phosphatase toxicity involves the alteration of multiple cellular targets. <b>2020</b> , 10, 15613	6
1811	Metabolic precision labeling enables selective probing of O-linked -acetylgalactosamine glycosylation. <b>2020</b> , 117, 25293-25301	24
1810	Lineage-Specific Proteomic Signatures in the Complex Reveal Differential Abundance of Proteins Involved in Virulence, DNA Repair, CRISPR-Cas, Bioenergetics and Lipid Metabolism. <b>2020</b> , 11, 550760	5
1809	Vaccinia Virus Immunomodulator A46: Destructive Interactions with MAL and MyD88 Shown by Negative-Stain Electron Microscopy. <b>2020</b> , 28, 1271-1287.e5	3
1808	Toward Increased Reliability, Transparency, and Accessibility in Cross-linking Mass Spectrometry. <b>2020</b> , 28, 1259-1268	18
1807	PASS-DIA: A Data-Independent Acquisition Approach for Discovery Studies. <b>2020</b> , 92, 14466-14475	8
1806	A high-stringency blueprint of the human proteome. <b>2020</b> , 11, 5301	59
1805	Spectrin interactome under normal and HbE-disease conditions. <b>2020</b> , 11, 233-240	1
1804	C-Terminal Motifs of the MTW1 Complex Cooperatively Stabilize Outer Kinetochores in Budding Yeast. <b>2020</b> , 32, 108190	4
1803	Quantitative Proteomics Analysis of Lytic KSHV Infection in Human Endothelial Cells Reveals Targets of Viral Immune Modulation. <b>2020</b> , 33, 108249	13
1802	HLA-DR15 Molecules Jointly Shape an Autoreactive T Cell Repertoire in Multiple Sclerosis. <b>2020</b> , 183, 1264-1281.e20	43
1801	Immunoglobulin-like protein 1 can conjugate and inhibit proteases through their hydroxyl groups, because of an enhanced reactivity of its thiol ester. <b>2020</b> , 295, 16732-16742	3
1800	Staphylococcus aureus Releases Proinflammatory Membrane Vesicles To Resist Antimicrobial Fatty Acids. <b>2020</b> , 5,	7
1799	Respiratory Supercomplexes Promote Mitochondrial Efficiency and Growth in Severely Hypoxic Pancreatic Cancer. <b>2020</b> , 33, 108231	27
1798	Quantitative proteomic dataset from oro- and naso-pharyngeal swabs used for COVID-19 diagnosis: Detection of viral proteins and host's biological processes altered by the infection. <b>2020</b> , 32, 106121	11
1797	The reductive glycine pathway allows autotrophic growth of <i>Desulfovibrio desulfuricans</i> . <b>2020</b> , 11, 5090	62

1796	Rational design of a microbial consortium of mucosal sugar utilizers reduces <i>Clostridiodes difficile</i> colonization. <b>2020</b> , 11, 5104	57
1795	Differential Profile of Systemic Extracellular Vesicles From Sporadic and Familial Alzheimer's Disease Leads to Neuroglial and Endothelial Cell Degeneration. <b>2020</b> , 12, 587989	7
1794	Optical Interrogation of Sympathetic Neuronal Effects on Macroscopic Cardiomyocyte Network Dynamics. <b>2020</b> , 23, 101334	8
1793	Data on proteome of cultivated with arginine or thymidine as a carbon source. <b>2020</b> , 31, 106034	3
1792	Neural cell adhesion molecule 1 is a novel autoantigen in membranous lupus nephritis. <b>2021</b> , 100, 171-181	28
1791	The 10q26 Risk Haplotype of Age-Related Macular Degeneration Aggravates Subretinal Inflammation by Impairing Monocyte Elimination. <b>2020</b> , 53, 429-441.e8	13
1790	The E3 ubiquitin ligase HectD3 attenuates cardiac hypertrophy and inflammation in mice. <b>2020</b> , 3, 562	5
1789	Extensive SUMO Modification of Repressive Chromatin Factors Distinguishes Pluripotent from Somatic Cells. <b>2020</b> , 32, 108146	10
1788	H3K4me2 regulates the recovery of protein biosynthesis and homeostasis following DNA damage. <b>2020</b> , 27, 1165-1177	11
1787	Stress-Induced Translation Inhibition through Rapid Displacement of Scanning Initiation Factors. <b>2020</b> , 80, 470-484.e8	15
1786	Fusidic acid resistance through changes in the dynamics of the drug target. <b>2020</b> , 117, 25523-25531	5
1785	Analytical Guidelines for co-fractionation Mass Spectrometry Obtained through Global Profiling of Gold Standard Protein Complexes. <b>2020</b> , 19, 1876-1895	4
1784	Comparison of Proteomic Responses as Global Approach to Antibiotic Mechanism of Action Elucidation. <b>2020</b> , 65,	10
1783	Toxin-like neuropeptides in the sea anemone unravel recruitment from the nervous system to venom. <b>2020</b> , 117, 27481-27492	10
1782	Glycometabolic Regulation of the Biogenesis of Small Extracellular Vesicles. <b>2020</b> , 33, 108261	9
1781	A Comprehensive Subcellular Atlas of the <i>Toxoplasma</i> Proteome via hyperLOPIT Provides Spatial Context for Protein Functions. <b>2020</b> , 28, 752-766.e9	61
1780	Different sensitivity to heatwaves across the life cycle of fish reflects phenotypic adaptation to environmental niche. <b>2020</b> , 162, 105192	5
1779	Improved Sensitivity of Ultralow Flow LC-MS-Based Proteomic Profiling of Limited Samples Using Monolithic Capillary Columns and FAIMS Technology. <b>2020</b> , 92, 14702-14712	21

1778	PFN2 and NAA80 cooperate to efficiently acetylate the N-terminus of actin. <b>2020</b> , 295, 16713-16731	7
1777	Spatially Resolved Activity-based Proteomic Profiles of the Murine Small Intestinal Lipases. <b>2020</b> , 19, 2104-2115	4
1776	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. <b>2020</b> , 370,	261
1775	Pancreatic Tissue Proteomics Unveils Key Proteins, Pathways, and Networks Associated with Type 1 Diabetes. <b>2020</b> , 14, e2000053	1
1774	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. <b>2020</b> , 11, 4837	7
1773	Structure-based validation can drastically underestimate error rate in proteome-wide cross-linking mass spectrometry studies. <b>2020</b> , 17, 985-988	11
1772	Fast and comprehensive N- and O-glycoproteomics analysis with MSFragger-Glyco. <b>2020</b> , 17, 1125-1132	59
1771	Exploring metal availability in the natural niche of to discover potential vaccine antigens. <b>2020</b> , 11, 1310-1328	3
1770	A mass spectrometry-based proteome map of drug action in lung cancer cell lines. <b>2020</b> , 16, 1111-1119	13
1769	A quantitative thiol reactivity profiling platform to analyze redox and electrophile reactive cysteine proteomes. <b>2020</b> , 15, 2891-2919	12
1768	Specific thylakoid protein phosphorylations are prerequisites for overwintering of Norway spruce () photosynthesis. <b>2020</b> , 117, 17499-17509	10
1767	Prothrombin is a binding partner of the human receptor of advanced glycation end products. <b>2020</b> , 295, 12498-12511	4
1766	Comparative proteomic analysis of drought and high temperature response in roots of two potato cultivars. <b>2020</b> , 92, 345-363	4
1765	Danger in the Canopy. Comparative Proteomics and Bioactivities of the Venoms of the South American Palm Pit Viper Subspecies and and Antivenomics of (Rondônia) Venom against the Brazilian Pentabothropic Antivenom. <b>2020</b> , 19, 3518-3532	7
1764	Functional milk proteome analysis of genetically diverse goats from different agro climatic regions. <b>2020</b> , 227, 103916	4
1763	Ozone-derived oxysterols impair lung macrophage phagocytosis via adduction of some phagocytosis receptors. <b>2020</b> , 295, 12727-12738	6
1762	A redox switch regulates the structure and function of anti-apoptotic BFL-1. <b>2020</b> , 27, 781-789	3
1761	Dynamic palmitoylation events following T-cell receptor signaling. <b>2020</b> , 3, 368	9

1760	Cathepsin A contributes to left ventricular remodeling by degrading extracellular superoxide dismutase in mice. <b>2020</b> , 295, 12605-12617	1
1759	Unique organization of photosystem II supercomplexes and megacomplexes in Norway spruce. <b>2020</b> , 104, 215-225	4
1758	Extreme Acetylation of the Cardiac Mitochondrial Proteome Does Not Promote Heart Failure. <b>2020</b> , 127, 1094-1108	25
1757	Global discovery of bacterial RNA-binding proteins by RNase-sensitive gradient profiles reports a new FinO domain protein. <b>2020</b> , 26, 1448-1463	21
1756	Endothelial-Derived Interleukin-1 $\beta$ Activates Innate Immunity by Promoting the Bactericidal Activity of Transendothelial Neutrophils. <b>2020</b> , 8, 590	1
1755	Toxicoproteomic Profiling of Transgenic Mice Treated with Rifampicin and Isoniazid. <b>2020</b> , 9,	3
1754	Insights into the Hematopoietic Regulatory Activities of Osteoblast by Secretomics. <b>2020</b> , 20, e2000036	
1753	Rab27a co-ordinates actin-dependent transport by controlling organelle-associated motors and track assembly proteins. <b>2020</b> , 11, 3495	14
1752	Regulation of stem cell function and neuronal differentiation by HERV-K via mTOR pathway. <b>2020</b> , 117, 17842-17853	20
1751	Phloem Exudate Protein Profiles during Drought and Recovery Reveal Abiotic Stress Responses in Tomato Vasculature. <b>2020</b> , 21,	6
1750	Cdh1-APC Regulates Protein Synthesis and Stress Granules in Neurons through an FMRP-Dependent Mechanism. <b>2020</b> , 23, 101132	6
1749	Novel biomarkers in cats with congestive heart failure due to primary cardiomyopathy. <b>2020</b> , 226, 103896	0
1748	Ubiquitin ligase SMURF2 enhances epidermal growth factor receptor stability and tyrosine-kinase inhibitor resistance. <b>2020</b> , 295, 12661-12673	5
1747	Optimization of skeletal protein preparation for LC-MS/MS sequencing yields additional coral skeletal proteins in. <b>2020</b> , 2, 8	9
1746	c-Src functionality controls self-renewal and glucose metabolism in MCF7 breast cancer stem cells. <b>2020</b> , 15, e0235850	5
1745	Multi-layered proteomic analyses decode compositional and functional effects of cancer mutations on kinase complexes. <b>2020</b> , 11, 3563	16
1744	Proteomics Reveals that Methylmalonyl-CoA Mutase Modulates Cell Architecture and Increases Susceptibility to Stress. <b>2020</b> , 21,	21
1743	Endoplasmic reticulum stress-mediated mitochondrial dysfunction in aged hearts. <b>2020</b> , 1866, 165899	18

1742	Nuclear moonlighting of cytosolic glyceraldehyde-3-phosphate dehydrogenase regulates Arabidopsis response to heat stress. <b>2020</b> , 11, 3439	17
1741	Systems biology of acidophile biofilms for efficient metal extraction. <b>2020</b> , 7, 215	6
1740	The bovine cumulus proteome is influenced by maturation condition and maturational competence of the oocyte. <b>2020</b> , 10, 9880	7
1739	Subclinical effects of remote ischaemic conditioning in human kidney transplants revealed by quantitative proteomics. <b>2020</b> , 17, 39	2
1738	Proteomic analysis of extracellular vesicles reveals an immunogenic cargo in rheumatoid arthritis synovial fluid. <b>2020</b> , 9, e1185	6
1737	A Selective Autophagy Pathway for Phase-Separated Endocytic Protein Deposits. <b>2020</b> , 80, 764-778.e7	33
1736	A translational program that suppresses metabolism to shield the genome. <b>2020</b> , 11, 5755	4
1735	PRMT1 inhibition induces differentiation of colon cancer cells. <b>2020</b> , 10, 20030	5
1734	Proteomic Insights into Senescence of Testicular Peritubular Cells from a Nonhuman Primate Model. <b>2020</b> , 9,	4
1733	Proteomic Analysis of Porcine-Derived Collagen Membrane and Matrix. <b>2020</b> , 13,	2
1732	Ulcerative Colitis-Derived Colonoid Culture: A Multi-Mineral-Approach to Improve Barrier Protein Expression. <b>2020</b> , 8, 577221	4
1731	A proteomic approach reveals possible molecular mechanisms and roles for endosymbiotic bacteria in begomovirus transmission by whiteflies. <b>2020</b> , 9,	6
1730	The expression of the acarbose biosynthesis gene cluster in Actinoplanes sp. SE50/110 is dependent on the growth phase. <b>2020</b> , 21, 818	1
1729	Convergence of Plasma Metabolomics and Proteomics Analysis to Discover Signatures of High-Grade Serous Ovarian Cancer. <b>2020</b> , 12,	8
1728	Integrated Proteomic and Metabolomic Profiling of Attack on Sweet Chestnut () Reveals Distinct Molecular Reprogramming Proximal to the Infection Site and Away from It. <b>2020</b> , 21,	8
1727	Is the Proteome of Bronchoalveolar Lavage Extracellular Vesicles a Marker of Advanced Lung Cancer?. <b>2020</b> , 12,	5
1726	Autophagy-mediated metabolic effects of aspirin. <b>2020</b> , 6, 129	8
1725	Machine Learning Analysis of the Cerebrovascular Thrombi Proteome in Human Ischemic Stroke: An Exploratory Study. <b>2020</b> , 11, 575376	5



1724	Top-Down Proteomics of Endogenous Membrane Proteins Enabled by Cloud Point Enrichment and Multidimensional Liquid Chromatography-Mass Spectrometry. <b>2020</b> , 92, 15726-15735	5
1723	Cadmium stress dictates central carbon flux and alters membrane composition in <i>Streptococcus pneumoniae</i> . <b>2020</b> , 3, 694	8
1722	Molecular architecture and domain arrangement of the placental malaria protein VAR2CSA suggests a model for carbohydrate binding. <b>2020</b> , 295, 18589-18603	7
1721	Effects of Excess Manganese on the Xylem Sap Protein Profile of Tomato () as Revealed by Shotgun Proteomic Analysis. <b>2020</b> , 21,	4
1720	Conformational maps of human 20S proteasomes reveal PA28- and immuno-dependent inter-ring crosstalks. <b>2020</b> , 11, 6140	10
1719	Exploring GPCR-arrestin interfaces with genetically encoded crosslinkers. <b>2020</b> , 21, e50437	12
1718	Irgm2 and Gate-16 cooperatively dampen Gram-negative bacteria-induced caspase-11 response. <b>2020</b> , 21, e50829	23
1717	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. <b>2020</b> , 11, 580373	8
1716	Lysine in Combination With Estradiol Promote Dissemination of Estrogen Receptor Positive Breast Cancer Upregulation of U2AF1 and RPN2 Proteins. <b>2020</b> , 10, 598684	2
1715	Hepatitis B Core Protein Is Post-Translationally Modified through K29-Linked Ubiquitination. <b>2020</b> , 9,	2
1714	Reduced reticulum-mitochondria Ca transfer is an early and reversible trigger of mitochondrial dysfunctions in diabetic cardiomyopathy. <b>2020</b> , 115, 74	25
1713	Automated Capillary Isoelectric Focusing-Tandem Mass Spectrometry for Qualitative and Quantitative Top-Down Proteomics. <b>2020</b> , 92, 15890-15898	11
1712	A Versatile Isobaric Tag Enables Proteome Quantification in Data-Dependent and Data-Independent Acquisition Modes. <b>2020</b> , 92, 16149-16157	7
1711	TSPAN1: A Novel Protein Involved in Head and Neck Squamous Cell Carcinoma Chemoresistance. <b>2020</b> , 12,	6
1710	Fasnl Induces Atypically Transient Stress Granules Independently of FASN Inhibition. <b>2020</b> , 23, 101550	5
1709	An Unbiased Approach to Mapping the Signaling Network of the Pseudorabies Virus US3 Protein. <b>2020</b> , 9,	0
1708	Overexpression of Macrophage-Inducible C-Type Lectin Mincle Aggravates Proinflammatory Responses to with Fatal Outcome in Mice. <b>2020</b> , 205, 3390-3399	3
1707	Neuroretinal-Derived Caveolin-1 Promotes Endotoxin-Induced Inflammation in the Murine Retina. <b>2020</b> , 61, 19	1

1706	Exploring the Role of a Novel Peptide from Larvae in Ameliorating Lipid Metabolism in Obesity. <b>2020</b> , 21,	3
1705	Divide-and-Conquer Matrisome Protein (DC-MaP) Strategy: An MS-Friendly Approach to Proteomic Matrisome Characterization. <b>2020</b> , 21,	1
1704	The Constitutive Proteome of Human Aqueous Humor and Race Specific Alterations. <b>2020</b> , 8,	5
1703	GFOGER Peptide Modifies the Protein Content of Extracellular Vesicles and Inhibits Vascular Calcification. <b>2020</b> , 8, 589761	2
1702	A Multi-Omics Protocol for Swine Feces to Elucidate Longitudinal Dynamics in Microbiome Structure and Function. <b>2020</b> , 8,	3
1701	Actionable Cytopathogenic Host Responses of Human Alveolar Type 2 Cells to SARS-CoV-2. <b>2020</b> , 80, 1104-1122.e9	38
1700	Open Search Strategy for Inferring the Masses of Cross-Link Adducts on Proteins. <b>2020</b> , 92, 15899-15907	0
1699	Comparative Multiplexed Interactomics of SARS-CoV-2 and Homologous Coronavirus Nonstructural Proteins Identifies Unique and Shared Host-Cell Dependencies. <b>2020</b> , 6, 3174-3189	44
1698	Shotgun proteomics coupled to nanoparticle-based biomarker enrichment reveals a novel panel of extracellular matrix proteins as candidate serum protein biomarkers for early-stage breast cancer detection. <b>2020</b> , 22, 135	6
1697	Function and Regulation of the Pyruvate Transporter CstA in. <b>2020</b> , 21,	5
1696	MS-Based Proteomics Reveals AMPylation of Host Proteins during Bacterial Infection. <b>2020</b> , 6, 3277-3289	2
1695	Spatial proteomics defines the content of trafficking vesicles captured by golgin tethers. <b>2020</b> , 11, 5987	11
1694	Establishing a mass spectrometry-based system for rapid detection of SARS-CoV-2 in large clinical sample cohorts. <b>2020</b> , 11, 6201	49
1693	Post-Translational Modification Analysis of VDAC1 in ALS-SOD1 Model Cells Reveals Specific Asparagine and Glutamine Deamidation. <b>2020</b> , 9,	3
1692	An Update of the Virion Proteome of Kaposi Sarcoma-Associated Herpesvirus. <b>2020</b> , 12,	4
1691	Beyond Melanin: Proteomics Reveals Virulence-Related Proteins in and Yeast Cells Grown in the Presence of L-Dihydroxyphenylalanine. <b>2020</b> , 6,	3
1690	Profiling the Murine SUMO Proteome in Response to Cardiac Ischemia and Reperfusion Injury. <b>2020</b> , 25,	6
1689	Biostimulant Effects of Glutacetine $\square$ and Its Derived Formulations Mixed With N Fertilizer on Post-heading N Uptake and Remobilization, Seed Yield, and Grain Quality in Winter Wheat. <b>2020</b> , 11, 607615	7

1688	Different Routes of Protein Folding Contribute to Improved Protein Production in <i>Saccharomyces cerevisiae</i> . <b>2020</b> , 11,	4
1687	Spatial constraints on chromosomes are instrumental to meiotic pairing. <b>2020</b> , 133,	6
1686	Digital microfluidic isolation of single cells for -Omics. <b>2020</b> , 11, 5632	29
1685	Mutant thermal proteome profiling for characterization of missense protein variants and their associated phenotypes within the proteome. <b>2020</b> , 295, 16219-16238	9
1684	Co-activation of Akt, Nrf2, and NF- $\kappa$ B signals under UPR in torpid <i>Myotis ricketti</i> bats for survival. <b>2020</b> , 3, 658	4
1683	Rv2577 of <i>Is</i> a Virulence Factor With Dual Phosphatase and Phosphodiesterase Functions. <b>2020</b> , 11, 570794	2
1682	Genome- and Proteome-Wide Analysis of Lysine Acetylation in Vv180806 Reveals Its Regulatory Roles in Virulence and Antibiotic Resistance. <b>2020</b> , 11, 591287	3
1681	Copper detoxification machinery of the brain-eating amoeba <i>Naegleria fowleri</i> involves copper-translocating ATPase and the antioxidant system. <b>2020</b> , 14, 126-135	2
1680	The lipid transfer properties of CETP define the concentration and composition of plasma lipoproteins. <b>2020</b> , 61, 1168-1179	5
1679	Piggybacking on Classical Import and Other Non-Classical Mechanisms of Nuclear Import Appear Highly Prevalent within the Human Proteome. <b>2020</b> , 9,	9
1678	Protamine-2 Deficiency Initiates a Reactive Oxygen Species (ROS)-Mediated Destruction Cascade during Epididymal Sperm Maturation in Mice. <b>2020</b> , 9,	8
1677	MS Imaging-Guided Microproteomics for Spatial Omics on a Single Instrument. <b>2020</b> , 20, e1900369	6
1676	Toward a Sample Metadata Standard in Public Proteomics Repositories. <b>2020</b> , 19, 3906-3909	7
1675	Presents Multiple Vital Changes in Its Proteome in the Presence of 3-Hydroxyphenylacetic Acid, a Promising Antimicrobial Agent. <b>2020</b> , 5, 19938-19951	4
1674	Salivary proteotypes of gingivitis tolerance and resilience. <b>2020</b> , 47, 1304-1316	6
1673	Pilot Evaluation of Two Biomarkers for Supporting Triclabendazole (TCBZ) Efficacy Diagnostics. <b>2020</b> , 25,	0
1672	Growth Factor Receptor Signaling Inhibition Prevents SARS-CoV-2 Replication. <b>2020</b> , 80, 164-174.e4	106
1671	Unraveling the proteomic changes involved in the resistance response of <i>Cajanus platycarpus</i> to herbivory by <i>Helicoverpa armigera</i> . <b>2020</b> , 104, 7603-7618	0

1670	The human liver matrisome - Proteomic analysis of native and fibrotic human liver extracellular matrices for organ engineering approaches. <b>2020</b> , 257, 120247	6
1669	Novel manifestations of immune dysregulation and granule defects in gray platelet syndrome. <b>2020</b> , 136, 1956-1967	15
1668	The structure and symmetry of the radial spoke protein complex in flagella. <b>2020</b> , 133,	8
1667	Equine Cartilage Explant Osteoarthritis Model: A Metabolomics and Proteomics Study. <b>2020</b> , 19, 3652-3667	6
1666	Probing SWATH-MS as a tool for proteome level quantification in a nonmodel fish. <b>2020</b> , 20, 1647-1657	4
1665	Genome-Scale Transcription-Translation Mapping Reveals Features of <i>Zymomonas mobilis</i> Transcription Units and Promoters. <b>2020</b> , 5,	10
1664	FBXL4 deficiency increases mitochondrial removal by autophagy. <b>2020</b> , 12, e11659	11
1663	Separation and Paired Proteome Profiling of Plant Chloroplast and Cytoplasmic Ribosomes. <b>2020</b> , 9,	8
1662	Laser capture microdissection in combination with mass spectrometry: Approach to characterization of tissue-specific proteomes of <i>Eudiplozoon nipponicum</i> (Monogenea, Polyopisthocotylea). <b>2020</b> , 15, e0231681	2
1661	Wheat Line "RYNO3936" Is Associated With Delayed Water Stress-Induced Leaf Senescence and Rapid Water-Deficit Stress Recovery. <b>2020</b> , 11, 1053	5
1660	PUB11-Dependent Ubiquitination of the Phospholipid Flippase ALA10 Modifies ALA10 Localization and Affects the Pool of Linolenic Phosphatidylcholine. <b>2020</b> , 11, 1070	4
1659	The Lipid Receptor G2A (GPR132) Mediates Macrophage Migration in Nerve Injury-Induced Neuropathic Pain. <b>2020</b> , 9,	3
1658	Optimisation of Sporosori Purification and Protein Extraction Techniques for the Biotrophic Protozoan Plant Pathogen. <b>2020</b> , 25,	6
1657	The lncRNA Growth Arrest Specific 5 Regulates Cell Survival via Distinct Structural Modules with Independent Functions. <b>2020</b> , 32, 107933	12
1656	Descriptive Proteome Analysis to Investigate Context-Dependent Treatment Responses to OXPPOS Inhibition in Colon Carcinoma Cells Grown as Monolayer and Multicellular Tumor Spheroids. <b>2020</b> , 5, 17242-17254	2
1655	Structural basis of CD4 downregulation by HIV-1 Nef. <b>2020</b> , 27, 822-828	18
1654	Longitudinal Stroke Recovery Associated With Dysregulation of Complement System-A Proteomics Pathway Analysis. <b>2020</b> , 11, 692	2
1653	A Multiomics Approach Unravels New Toxins With Possible Antimicrobial, Antiviral, and Antitumoral Activities in the Venom of. <b>2020</b> , 11, 1075	9

1652	Mitochondria and Peroxisome Remodeling across Cytomegalovirus Infection Time Viewed through the Lens of Inter-ViSTA. <b>2020</b> , 32, 107943	10
1651	Strategies to enable large-scale proteomics for reproducible research. <b>2020</b> , 11, 3793	26
1650	Proteomic and Bioinformatic Investigations of Heat-Treated Third-Stage Larvae. <b>2020</b> , 10,	3
1649	Reckoning the Dearth of Bioinformatics in the Arena of Diabetic Nephropathy (DN) Need to Improve. <b>2020</b> , 8, 808	0
1648	Autophagy deficiency promotes triple-negative breast cancer resistance to T cell-mediated cytotoxicity by blocking tenascin-C degradation. <b>2020</b> , 11, 3806	38
1647	Parallel Murine and Human Plaque Proteomics Reveals Pathways of Plaque Rupture. <b>2020</b> , 127, 997-1022	5
1646	Dataset of bovine mammary gland dry secretion proteome from the end of lactation through day 21 of the dry period. <b>2020</b> , 31, 105954	
1645	A Collision-Induced Dissociation Cleavable Isobaric Tag for Peptide Fragment Ion-Based Quantification in Proteomics. <b>2020</b> , 19, 3817-3824	5
1644	Exploring the Diversity of Cysteine-Rich Natural Product Peptides via MS/MS Fingerprint Ions. <b>2020</b> , 31, 1833-1843	2
1643	Chemical proteomics tracks virus entry and uncovers NCAM1 as Zika virus receptor. <b>2020</b> , 11, 3896	16
1642	BRAHMA-interacting proteins BRIP1 and BRIP2 are core subunits of Arabidopsis SWI/SNF complexes. <b>2020</b> , 6, 996-1007	14
1641	Identification of Flucloxacillin-Haptenated HLA-B*57:01 Ligands: Evidence of Antigen Processing and Presentation. <b>2020</b> , 177, 454-465	13
1640	Detection of Tear Components Using Matrix-Assisted Laser Desorption Ionization/Time-of-Flight Mass Spectrometry for Rapid Dry Eye Diagnosis. <b>2020</b> , 19, 3644-3651	5
1639	A benzimidazole inhibitor attenuates sterile inflammation induced in a model of systemic autoinflammation in female mice. <b>2020</b> , 10, 12100	2
1638	Symbiosis between nanohaloarchaeon and haloarchaeon is based on utilization of different polysaccharides. <b>2020</b> , 117, 20223-20234	14
1637	Generating Proteomic Big Data for Precision Medicine. <b>2020</b> , 20, e1900358	6
1636	High-density lipoproteins are a potential therapeutic target for age-related macular degeneration. <b>2020</b> , 295, 13601-13616	5
1635	Phasin interactome reveals the interplay of PhaF with the polyhydroxyalkanoate transcriptional regulatory protein PhaD in <i>Pseudomonas putida</i> . <b>2020</b> , 22, 3922-3936	7

1634	Spleen proteomics data from high fat diet fed mice. <b>2020</b> , 32, 106110	1
1633	How to Illuminate the Dark Proteome Using the Multi-omic OpenProt Resource. <b>2020</b> , 71, e103	1
1632	Formaldehyde Derivatization: An Unexpected Side Reaction During Filter-Aided Sample Preparation. <b>2020</b> , 92, 12120-12125	3
1631	Simple and Efficient Data Analysis Dissemination for Individual Laboratories. <b>2020</b> , 19, 4191-4195	0
1630	ABHD11 maintains 2-oxoglutarate metabolism by preserving functional lipoylation of the 2-oxoglutarate dehydrogenase complex. <b>2020</b> , 11, 4046	9
1629	Hunting monolignol transporters: membrane proteomics and biochemical transport assays with membrane vesicles of Norway spruce. <b>2020</b> , 71, 6379-6395	4
1628	Deciphering the immunogenic potential of wheat flour: a reference map of the salt-soluble proteome from the U.S. wheat Butte 86. <b>2020</b> , 18, 8	3
1627	MiT/TFE factors control ER-phagy via transcriptional regulation of FAM134B. <b>2020</b> , 39, e105696	23
1626	Proteome reallocation from amino acid biosynthesis to ribosomes enables yeast to grow faster in rich media. <b>2020</b> , 117, 21804-21812	14
1625	Quantitative proteomic reveals gallium maltolate induces an iron-limited stress response and reduced quorum-sensing in <i>Pseudomonas aeruginosa</i> . <b>2020</b> , 25, 1153-1165	3
1624	Altered rRNA processing disrupts nuclear RNA homeostasis via competition for the poly(A)-binding protein Nab2. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 11675-11694	20.1 6
1623	A Novel Proteomic Method Reveals NLS Tagging of T-DM1 Contravenes Classical Nuclear Transport in a Model of HER2-Positive Breast Cancer. <b>2020</b> , 19, 99-119	0
1622	HcFAR, a functional inhibitor of goat TGF- $\beta$ 1 identified from excretory and secretory products of <i>Haemonchus contortus</i> . <b>2020</b> , 286, 109236	0
1621	Comprehensive proteomic investigation of infectious and inflammatory changes in late preterm prelabour rupture of membranes. <b>2020</b> , 10, 17696	1
1620	Phosphodiesterase 2A2 regulates mitochondria clearance through Parkin-dependent mitophagy. <b>2020</b> , 3, 596	4
1619	Prenatal Endotoxin Exposure Induces Fetal and Neonatal Renal Inflammation via Innate and Th1 Immune Activation in Preterm Pigs. <b>2020</b> , 11, 565484	5
1618	Proteomic Investigations of Two Pakistani Snake Venoms Species Unravel the Venom Complexity, Posttranslational Modifications, and Presence of Extracellular Vesicles. <b>2020</b> , 12,	3
1617	Functionalized Vascular Structure in Bioengineered Liver Identified with Proteomics. <b>2020</b> , 6, 6394-6404	1

1616	Structure of the TFIIIC subcomplex $\Delta$ provides insights into RNA polymerase III pre-initiation complex formation. <b>2020</b> , 11, 4905	7
1615	An integrated analysis of Maglemose bone points reframes the Early Mesolithic of Southern Scandinavia. <b>2020</b> , 10, 17244	4
1614	Identification of HCMV-derived T cell epitopes in seropositive individuals through viral deletion models. <b>2020</b> , 217,	5
1613	Deciphering and predicting CD4+ T cell immunodominance of influenza virus hemagglutinin. <b>2020</b> , 217,	11
1612	Optimization of label-free nano LC-MS/MS analysis of the placental proteome. <b>2020</b> , 101, 159-162	2
1611	Deciphering the Structural Enigma of HLA Class-II Binding Peptides for Enhanced Immunoinformatics-based Prediction of Vaccine Epitopes. <b>2020</b> , 19, 4655-4669	2
1610	Downregulation of Keap1 Confers Features of a Fasted Metabolic State. <b>2020</b> , 23, 101638	8
1609	Tandem Mass Tag-Based Serum Proteome Profiling for Biomarker Discovery in Young Duchenne Muscular Dystrophy Boys. <b>2020</b> , 5, 26504-26517	1
1608	O-Pair Search with MetaMorpheus for O-glycopeptide characterization. <b>2020</b> , 17, 1133-1138	46
1607	Mass spectrometry characterization of light chain fragmentation sites in cardiac AL amyloidosis: insights into the timing of proteolysis. <b>2020</b> , 295, 16572-16584	13
1606	The Glycoprotease CpaA Secreted by Medically Relevant Acinetobacter Species Targets Multiple -Linked Host Glycoproteins. <b>2020</b> , 11,	14
1605	Isolation and Characterization of Multi-Protein Complexes Enriched in the K-Cl Co-transporter 2 From Brain Plasma Membranes. <b>2020</b> , 13, 563091	5
1604	Proteomics of regenerated tissue in response to a titanium implant with a bioactive surface in a rat tibial defect model. <b>2020</b> , 10, 18493	6
1603	Polydisperse molecular architecture of connexin 26/30 heteromeric hemichannels revealed by atomic force microscopy imaging. <b>2020</b> , 295, 16499-16509	2
1602	Protein Composition of the Subretinal Fluid Suggests Selective Diffusion of Vitreous Proteins in Retinal Detachment. <b>2020</b> , 9, 16	3
1601	Enzymatic Dissociation Induces Transcriptional and Proteotype Bias in Brain Cell Populations. <b>2020</b> , 21,	23
1600	Apolipoprotein Proteomic Profiling for the Prediction of Cardiovascular Death in Patients with Heart Failure. <b>2020</b> , 14, e2000035	1
1599	Child murder in the Early Bronze Age: proteomic sex identification of a cold case from Schleinbach, Austria. <b>2020</b> , 12, 265	5

1598	Electron-Based Dissociation Is Needed for O-Glycopeptides Derived from OperATOR Proteolysis. <b>2020</b> , 92, 14878-14884	12
1597	ITEM-THREE analysis of a monoclonal anti-malaria antibody reveals its assembled epitope on the MSP1 antigen. <b>2020</b> , 295, 14987-14997	1
1596	Cp1/cathepsin L is required for autolysosomal clearance in. <b>2021</b> , 17, 2734-2749	2
1595	Pollen development in cotton ( <i>Gossypium hirsutum</i> ) is highly sensitive to heat exposure during the tetrad stage. <b>2021</b> , 44, 2150-2166	6
1594	Aprotinin Inhibits SARS-CoV-2 Replication. <b>2020</b> , 9,	42
1593	Mass spectrometry-based abundance atlas of ABC transporters in human liver, gut, kidney, brain and skin. <b>2020</b> , 594, 4134-4150	12
1592	Quantitative proteomics leads to identify dog brain proteins involved in rabies virus infection: implication in understanding viral pathophysiology. <b>2020</b> , 11, 241-257	2
1591	Structural Analysis of the Regulatory GAF Domains of cGMP Phosphodiesterase Elucidates the Allosteric Communication Pathway. <b>2020</b> , 432, 5765-5783	4
1590	Abiotic and past climatic conditions drive protein abundance variation among natural populations of the caddisfly <i>Crunoecia irrorata</i> . <b>2020</b> , 10, 15538	2
1589	Identification of drivers of breast cancer invasion by secretome analysis: insight into CTGF signaling. <b>2020</b> , 10, 17889	4
1588	Proteomic signatures of acute oxidative stress response to paraquat in the mouse heart. <b>2020</b> , 10, 18440	1
1587	Technical report: Targeted proteomic analysis reveals enrichment of atypical ubiquitin chains in contractile murine tissues. <b>2020</b> , 229, 103963	1
1586	Proteomic and mitochondrial adaptations to early-life stress are distinct in juveniles and adults. <b>2020</b> , 13, 100251	5
1585	Towards middle-up analysis of polyclonal antibodies: subclass-specific N-glycosylation profiling of murine immunoglobulin G (IgG) by means of HPLC-MS. <b>2020</b> , 10, 18080	4
1584	Pro-inflammatory activation following demyelination is required for myelin clearance and oligodendrogenesis. <b>2020</b> , 217,	33
1583	AKT-dependent NOTCH3 activation drives tumor progression in a model of mesenchymal colorectal cancer. <b>2020</b> , 217,	13
1582	Mutations in the exocyst component EXOC2 cause severe defects in human brain development. <b>2020</b> , 217,	4
1581	The Role of RodA-Conserved Cysteine Residues in the Conidial Surface Organization. <b>2020</b> , 6,	3



1580	Immunoaffinity Targeted Mass Spectrometry Analysis of Human Plasma Samples Reveals an Imbalance of Active and Inactive CXCL10 in Primary Sjögren's Syndrome Disease Patients. <b>2020</b> , 19, 4196-4209	1
1579	Nidogen 1-Enriched Extracellular Vesicles Facilitate Extrahepatic Metastasis of Liver Cancer by Activating Pulmonary Fibroblasts to Secrete Tumor Necrosis Factor Receptor 1. <b>2020</b> , 7, 2002157	18
1578	Triton X-114 Fractionated Subcellular Proteome of <i>Leptospira interrogans</i> Shows Selective Enrichment of Pathogenic and Outer Membrane Proteins in the Detergent Fraction. <b>2020</b> , 20, e2000170	5
1577	Enrichment of microsomes from Chinese hamster ovary cells by subcellular fractionation for its use in proteomic analysis. <b>2020</b> , 15, e0237930	3
1576	Immunostimulation by S-layer proteins with distinct glycosylation patterns requires different lectin partners. <b>2020</b> , 295, 14430-14444	4
1575	Protein Identification of Venoms of the African Spitting Cobras, and. <b>2020</b> , 12,	2
1574	Galectin-7 Impairs Placentation and Causes Preeclampsia Features in Mice. <b>2020</b> , 76, 1185-1194	6
1573	Deciphering the secretome of leukocyte-platelet rich fibrin: towards a better understanding of its wound healing properties. <b>2020</b> , 10, 14571	6
1572	Citrus Vascular Proteomics Highlights the Role of Peroxidases and Serine Proteases during Huanglongbing Disease Progression. <b>2020</b> , 19, 1936-1952	10
1571	Current Methods for the Characterization of -Glycans. <b>2020</b> , 19, 3890-3905	25
1570	Palaeoproteomics gives new insight into early southern African pastoralism. <b>2020</b> , 10, 14427	7
1569	Lysine acetylation of F-actin decreases tropomyosin-based inhibition of actomyosin activity. <b>2020</b> , 295, 15527-15539	4
1568	Mass spectrometry-based analysis of formalin-fixed, paraffin-embedded distal cholangiocarcinoma identifies stromal thrombospondin-2 as a potential prognostic marker. <b>2020</b> , 18, 343	5
1567	Near-Single-Cell Proteomics Profiling of the Proximal Tubular and Glomerulus of the Normal Human Kidney. <b>2020</b> , 7, 499	3
1566	Affinity proteomic dissection of the human nuclear cap-binding complex interactome. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 10456-10469	20.1 7
1565	A malectin-like receptor kinase regulates cell death and pattern-triggered immunity in soybean. <b>2020</b> , 21, e50442	14
1564	Generation of SARS-CoV-2 S1 Spike Glycoprotein Putative Antigenic Epitopes in Vitro by Intracellular Aminopeptidases. <b>2020</b> , 19, 4398-4406	9
1563	Selective autophagy regulates heat stress memory in Arabidopsis by NBR1-mediated targeting of HSP90.1 and ROF1. <b>2021</b> , 17, 2184-2199	21

1562	IgE Effector Mechanisms, in Concert with Mast Cells, Contribute to Acquired Host Defense against <i>Staphylococcus aureus</i> . <b>2020</b> , 53, 793-804.e9	20
1561	Beyond Target-Decoy Competition: Stable Validation of Peptide and Protein Identifications in Mass Spectrometry-Based Discovery Proteomics. <b>2020</b> , 92, 14898-14906	8
1560	Genetic screens reveal a central role for heme metabolism in artemisinin susceptibility. <b>2020</b> , 11, 4813	10
1559	GADD34 is a modulator of autophagy during starvation. <b>2020</b> , 6,	10
1558	Global reprogramming of virulence and antibiotic resistance in by a single nucleotide polymorphism in elongation factor,. <b>2020</b> , 295, 16411-16426	8
1557	Groundwater promotes emergence of asporogenic mutants of emetic <i>Bacillus cereus</i> . <b>2020</b> , 22, 5248-5264	1
1556	Deep Learning in Proteomics. <b>2020</b> , 20, e1900335	27
1555	The peptidyl-prolyl isomerases FKBP15-1 and FKBP15-2 negatively affect lateral root development by repressing the vacuolar invertase VIN2 in <i>Arabidopsis</i> . <b>2020</b> , 252, 52	2
1554	Mapping and identification of soft corona proteins at nanoparticles and their impact on cellular association. <b>2020</b> , 11, 4535	46
1553	Nucleoporin TPR is an integral component of the TREX-2 mRNA export pathway. <b>2020</b> , 11, 4577	25
1552	Rapid and direct control of target protein levels with VHL-recruiting dTAG molecules. <b>2020</b> , 11, 4687	41
1551	A comprehensive CHO SWATH-MS spectral library for robust quantitative profiling of 10,000 proteins. <b>2020</b> , 7, 263	7
1550	The type VII secretion system protects <i>Staphylococcus aureus</i> against antimicrobial host fatty acids. <b>2020</b> , 10, 14838	9
1549	Connectivity mapping of glomerular proteins identifies dimethylaminoparthenolide as a new inhibitor of diabetic kidney disease. <b>2020</b> , 10, 14898	6
1548	Proteomic-based identification of oocyte maturation-related proteins in mouse germinal vesicle oocytes. <b>2020</b> , 55, 1607-1618	2
1547	Spliced Peptides and Cytokine-Driven Changes in the Immunopeptidome of Melanoma. <b>2020</b> , 8, 1322-1334	21
1546	Can Scoliotic Discs Be Controls for Molecular Studies in Intervertebral Disc Research? Insights From Proteomics. <b>2020</b> , 2192568220959038	
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1544	Biogenesis of HLA Ligand Presentation in Immune Cells Upon Activation Reveals Changes in Peptide Length Preference. <b>2020</b> , 11, 1981	4
1543	The CNS Myelin Proteome: Deep Profile and Persistence After Post-mortem Delay. <b>2020</b> , 14, 239	17
1542	The Proteome and Secretome of Cortical Brain Cells Infected With Herpes Simplex Virus. <b>2020</b> , 11, 844	5
1541	Vitamin D3 receptor polymorphisms regulate T cells and T cell-dependent inflammatory diseases. <b>2020</b> , 117, 24986-24997	9
1540	Endoplasmic reticulum chaperones stabilize ligand-receptive MR1 molecules for efficient presentation of metabolite antigens. <b>2020</b> , 117, 24974-24985	13
1539	Calcium protects bacteria against cadmium stress via reducing nitric oxide production and increasing iron acquisition. <b>2021</b> , 23, 3541-3553	6
1538	Isolation Window Optimization of Data-Independent Acquisition Using Predicted Libraries for Deep and Accurate Proteome Profiling. <b>2020</b> , 92, 12185-12192	12
1537	Generation and validation of recombinant antibodies to study human aminoacyl-tRNA synthetases. <b>2020</b> , 295, 13981-13993	6
1536	Methyltransferase-like 21C (METTL21C) methylates alanine tRNA synthetase at Lys-943 in muscle tissue. <b>2020</b> , 295, 11822-11832	2
1535	Biotinylated Surfome Profiling Identifies Potential Biomarkers for Diagnosis and Therapy of Aspergillus fumigatus Infection. <b>2020</b> , 5,	3
1534	PhosphoShield: Improving Trypsin Digestion of Phosphoproteins by Shielding the Negatively Charged Phosphate Moiety. <b>2020</b> , 31, 2053-2060	2
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1532	The Viral Polymerase Complex Mediates the Interaction of Viral Ribonucleoprotein Complexes with Recycling Endosomes during Sendai Virus Assembly. <b>2020</b> , 11,	2
1531	Host-Defense Peptides Caerin 1.1 and 1.9 Stimulate TNF-Alpha-Dependent Apoptotic Signals in Human Cervical Cancer HeLa Cells. <b>2020</b> , 8, 676	7
1530	BAG5 Promotes Alpha-Synuclein Oligomer Formation and Functionally Interacts With the Autophagy Adaptor Protein p62. <b>2020</b> , 8, 716	0
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1528	Acyltransferase-mediated selection of the length of the fatty acyl chain and of the acylation site governs activation of bacterial RTX toxins. <b>2020</b> , 295, 9268-9280	10
1527	Viewing Cortical Collecting Duct Function Through Phenotype-guided Single-Tubule Proteomics.. <b>2020</b> , 1, zqaa007	1

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1525	Lowering Sample Requirements to Study Tyrosine Kinase Signaling Using Phosphoproteomics with the TMT Calibrator Approach. <b>2020</b> , 20, e2000116	3
1524	Fucosylation of ADAMTSL2 is required for secretion and is impacted by geleophysic dysplasia-causing mutations. <b>2020</b> , 295, 15742-15753	9
1523	Genome-Wide Identification of Transcriptional Units Up-Regulated in Response to Plant Tissues From a Crop-Host and a Weed-Host. <b>2020</b> , 11, 580330	3
1522	MassIVE.quant: a community resource of quantitative mass spectrometry-based proteomics datasets. <b>2020</b> , 17, 981-984	20
1521	Phosphorylation of Secreted Proteins during Acute and Chronic Stages of Infection. <b>2020</b> , 5,	4
1520	Cross-Stress Adaptation in a Piezophilic and Hyperthermophilic Archaeon From Deep Sea Hydrothermal Vent. <b>2020</b> , 11, 2081	5
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1518	Using Deep Learning to Extrapolate Protein Expression Measurements. <b>2020</b> , 20, e2000009	3
1517	Research on the Human Proteome Reaches a Major Milestone: >90% of Predicted Human Proteins Now Credibly Detected, According to the HUPO Human Proteome Project. <b>2020</b> , 19, 4735-4746	25
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1515	Regulation of titin-based cardiac stiffness by unfolded domain oxidation (UnDOx). <b>2020</b> , 117, 24545-24556	15
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1513	Integration of absolute multi-omics reveals dynamic protein-to-RNA ratios and metabolic interplay within mixed-domain microbiomes. <b>2020</b> , 11, 4708	14
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1510	Isobaric Matching between Runs and Novel PSM-Level Normalization in MaxQuant Strongly Improve Reporter Ion-Based Quantification. <b>2020</b> , 19, 3945-3954	16
1509	In situ electrochemical H <sub>2</sub> production for efficient and stable power-to-gas electromethanogenesis. <b>2020</b> , 22, 6194-6203	14

1508	A CEP Peptide Receptor-Like Kinase Regulates Auxin Biosynthesis and Ethylene Signaling to Coordinate Root Growth and Symbiotic Nodulation in. <b>2020</b> , 32, 2855-2877	11
1507	Integrative Analysis of Membrane Proteome and MicroRNA Reveals Novel Lung Cancer Metastasis Biomarkers. <b>2020</b> , 11, 1023	4
1506	Combined Proteome and Transcriptome Analysis of Heat-Primed Azalea Reveals New Insights Into Plant Heat Acclimation Memory. <b>2020</b> , 11, 1278	12
1505	Context dependent effects of ascorbic acid treatment in TET2 mutant myeloid neoplasia. <b>2020</b> , 3, 493	13
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1495	Elicits Media-Dependent Secretome Responses With Capacity to Distinguish Between Plant-Related Environments. <b>2020</b> , 11, 1876	9
1494	Premature Activation of Immune Transcription Programs in Autoimmune-Predisposed Mouse Embryonic Stem Cells and Blastocysts. <b>2020</b> , 21,	
1493	Selective inhibition of STAT3 signaling using monobodies targeting the coiled-coil and N-terminal domains. <b>2020</b> , 11, 4115	16
1492	Mitochondrial dysfunction caused by outer membrane vesicles from Gram-negative bacteria activates intrinsic apoptosis and inflammation. <b>2020</b> , 5, 1418-1427	28
1491	Dissimilatory sulfate reduction in the archaeon 'Candidatus Vulcanisaeta moutnovskia' sheds light on the evolution of sulfur metabolism. <b>2020</b> , 5, 1428-1438	6

1490	Targeting a helix-in-groove interaction between E1 and E2 blocks ubiquitin transfer. <b>2020</b> , 16, 1218-1226	1
1489	The AAA + ATPase valosin-containing protein (VCP)/p97/Cdc48 interaction network in Leishmania. <b>2020</b> , 10, 13135	1
1488	Phosphorylation Ratio Determination in Fresh-Frozen and Formalin-Fixed Paraffin-Embedded Tissue with Targeted Mass Spectrometry. <b>2020</b> , 19, 4179-4190	3
1487	Decoding altitude-activated regulatory mechanisms occurring during apple peel ripening. <b>2020</b> , 7, 120	13
1486	HIF-1 $\alpha$ and HIF-2 $\alpha$ Differently regulate tumour development and inflammation of clear cell renal cell carcinoma in mice. <b>2020</b> , 11, 4111	50
1485	In-depth quantitative proteomics uncovers specie-specific metabolic programs in Leishmania (Viannia) species. <b>2020</b> , 14, e0008509	1
1484	Insights into Biomechanical and Proteomic Characteristics of Small Diameter Vascular Grafts Utilizing the Human Umbilical Artery. <b>2020</b> , 8,	3
1483	Quantitative Proteomics Comparison of Total Expressed Proteomes of Sensu Stricto, , and Their Hybrid Genotype. <b>2020</b> , 11,	0
1482	Canonical Notch ligands and Fringes have distinct effects on NOTCH1 and NOTCH2. <b>2020</b> , 295, 14710-14722	17
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1469	A Fast, Efficient and Easy to Implement Method to Purify Bacterial Pili From GG Based on Multimodal Chromatography. <b>2020</b> , 11, 609880	1
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1467	Monohaloacetic Acids and Monohaloacetamides Attack Distinct Cellular Proteome Thiols. <b>2020</b> , 54, 15191-15201	
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1464	Extracellular MIF, but not its homologue D-DT, promotes fibroblast motility independently of its receptor complex CD74/CD44. <b>2021</b> , 134,	
1463	B-Cell-Specific Myd88 L252P Expression Causes a Premalignant Gammopathy Resembling IgM MGUS. <b>2020</b> , 11, 602868	2
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1460	Selective TiO2 Phosphopeptide Enrichment of Complex Samples in the Nanogram Range. <b>2020</b> , 7, 74	1
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1455	Mitochondrial defects in the respiratory complex I contribute to impaired translational initiation via ROS and energy homeostasis in SMA motor neurons. <b>2020</b> , 8, 223	5

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1449	Towards the molecular architecture of the peroxisomal receptor docking complex. <b>2020</b> ,	8
1448	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. <b>2020</b> , 183, 1848-1866.e26	112
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1439	Reply to Comments on Proteomic Investigations of Two Pakistani Snake Venom Species Unravel the Venom Complexity, Posttranslational Modifications, and Presence of Extracellular Vesicles. <b>2020</b> , , 669. <b>2020</b> , 12,	
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1437	Phenotypic and proteomic approaches of the response to iron-limited condition in <i>Staphylococcus lugdunensis</i> . <b>2020</b> , 20, 328	4



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1435	Spatially and cell-type resolved quantitative proteomic atlas of healthy human skin. <b>2020</b> , 11, 5587	24
1434	Spontaneous regression of micro-metastases following primary tumor excision: a critical role for primary tumor secretome. <b>2020</b> , 18, 163	1
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1432	Proteomic Adaptation of to the Antimicrobial Peptide Human Beta Defensin 3 (hBD3) in Comparison to Other Cell Surface Stresses. <b>2020</b> , 8,	1
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1427	Phosphoproteomic Analysis of Platelets in Severe Obesity Uncovers Platelet Reactivity and Signaling Pathways Alterations. <b>2021</b> , 41, 478-490	2
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1424	Decreases NHE and CLO Exotoxin Synthesis to Maintain Appropriate Proteome Dynamics During Growth at Low Temperature. <b>2020</b> , 12,	0
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1419	Suramin exposure alters cellular metabolism and mitochondrial energy production in African trypanosomes. <b>2020</b> , 295, 8331-8347	15

1418	Immunopeptidomic Analysis Reveals That Deamidated HLA-bound Peptides Arise Predominantly from Deglycosylated Precursors. <b>2020</b> , 19, 1236-1247	8
1417	A Cross-linking Mass Spectrometry Approach Defines Protein Interactions in Yeast Mitochondria. <b>2020</b> , 19, 1161-1178	16
1416	The cooperative action of CSB, CSA, and UVSSA target TFIIF to DNA damage-stalled RNA polymerase II. <b>2020</b> , 11, 2104	44
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1413	Flavonoids repress the production of antifungal 2,4-DAPG but potentially facilitate root colonization of the rhizobacterium <i>Pseudomonas fluorescens</i> . <b>2020</b> , 22, 5073-5089	7
1412	Metabolic Insights Into Infochemicals Induced Colony Formation and Flocculation in Unraveled by Quantitative Proteomics. <b>2020</b> , 11, 792	7
1411	Comprehensive Comparison of Clinically Relevant Grain Proteins in Modern and Traditional Bread Wheat Cultivars. <b>2020</b> , 21,	4
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1409	pepFunk: a tool for peptide-centric functional analysis of metaproteomic human gut microbiome studies. <b>2020</b> , 36, 4171-4179	2
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1407	Stable Isotope-Triggered Offset Fragmentation Allows Massively Multiplexed Target Profiling on Quadrupole-Orbitrap Mass Spectrometers. <b>2020</b> , 19, 2854-2862	3
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1405	Toward a Universal Sample Preparation Method for Denaturing Top-Down Proteomics of Complex Proteomes. <b>2020</b> , 19, 3315-3325	11
1404	PolySTest: Robust Statistical Testing of Proteomics Data with Missing Values Improves Detection of Biologically Relevant Features. <b>2020</b> , 19, 1396-1408	6
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1402	RasGRP1 is a causal factor in the development of L-DOPA-induced dyskinesia in Parkinson's disease. <b>2020</b> , 6, eaaz7001	13
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1399	TMT-based quantitative proteomics analysis reveals the attenuated replication mechanism of Newcastle disease virus caused by nuclear localization signal mutation in viral matrix protein. <b>2020</b> , 11, 607-635	6
1398	Single or Combined Dietary Supply of and Extracts Differentially Modulate Immune Responses and Liver Proteome in Striped Catfish (). <b>2020</b> , 11, 797	4
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1389	Structural venomomics reveals evolution of a complex venom by duplication and diversification of an ancient peptide-encoding gene. <b>2020</b> , 117, 11399-11408	29
1388	Regulation of mRNA export through API5 and nuclear FGF2 interaction. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 6340-6352	20.1 14
1387	Comparison of a human neuronal model proteome upon Japanese encephalitis or West Nile Virus infection and potential role of mosquito saliva in neuropathogenesis. <b>2020</b> , 15, e0232585	3
1386	Exercise training reverses cancer-induced oxidative stress and decrease in muscle COPS2/TRIP15/ALIEN. <b>2020</b> , 39, 101012	14
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1384	TASL is the SLC15A4-associated adaptor for IRF5 activation by TLR7-9. <b>2020</b> , 581, 316-322	48
1383	Retargeting from the CR3 to the LFA-1 receptor uncovers the adenylyl cyclase enzyme-translocating segment of adenylate cyclase toxin. <b>2020</b> , 295, 9349-9365	3

1382	Optimization of Method for Human Sex Determination Using Peptidome Analysis of Teeth Enamel from Teeth of Different Biological Generation, Archeological Age, and Degrees of Taphonomic Preservation. <b>2020</b> , 85, 614-622	2
1381	Discovery of Widespread Host Protein Interactions with the Pre-replicated Genome of CHIKV Using VIR-CLASP. <b>2020</b> , 78, 624-640.e7	32
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1377	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. <b>2020</b> , 11, 11-24.e4	219
1376	Defective NADPH production in mitochondrial disease complex I causes inflammation and cell death. <b>2020</b> , 11, 2714	33
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1373	Age-Related Changes in Hair Shaft Protein Profiling and Genetically Variant Peptides. <b>2020</b> , 47, 102309	4
1372	Proteomic analysis revealed ROS-mediated growth inhibition of <i>Aspergillus terreus</i> by shikonin. <b>2020</b> , 224, 103849	11
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1366	Absolute yeast mitochondrial proteome quantification reveals trade-off between biosynthesis and energy generation during diauxic shift. <b>2020</b> , 117, 7524-7535	31
1365	The CEP5 Peptide Promotes Abiotic Stress Tolerance, As Revealed by Quantitative Proteomics, and Attenuates the AUX/IAA Equilibrium in. <b>2020</b> , 19, 1248-1262	12

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1353	Ensuring meiotic DNA break formation in the mouse pseudoautosomal region. <b>2020</b> , 582, 426-431	34
1352	Viral hijacking of the TENT4-ZCCHC14 complex protects viral RNAs via mixed tailing. <b>2020</b> , 27, 581-588	16
1351	Phosphoproteomics identifies dual-site phosphorylation in an extended basophilic motif regulating FILIP1-mediated degradation of filamin-C. <b>2020</b> , 3, 253	9
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1345	Normal murine respiratory tract has its mucus concentrated in clouds based on the Muc5b mucin. <b>2020</b> , 318, L1270-L1279	3
1344	Co-occurrence of Fe and P stress in natural populations of the marine diazotroph <i>Trichodesmium</i>. <b>2020</b> , 17, 2537-2551	10
1343	Itch attenuates CD4 T-cell proliferation in mice by limiting WBP2 protein stability. <b>2020</b> , 50, 1468-1483	3
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1338	Sensitive, Rapid, Robust, and Reproducible Workflow for Host Cell Protein Profiling in Biopharmaceutical Process Development. <b>2020</b> , 19, 3396-3404	7
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1335	Identification of Tumor Antigens in the HLA Peptidome of Patient-derived Xenograft Tumors in Mouse. <b>2020</b> , 19, 1360-1374	4
1334	Quantitative analysis of Y-Chromosome gene expression across 36 human tissues. <b>2020</b> , 30, 860-873	15
1333	Identification of TUBB2A by quantitative proteomic analysis as a novel biomarker for the prediction of distant metastatic breast cancer. <b>2020</b> , 17, 16	0
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1331	The effect of phytoalbumin overexpression on the plant proteome during nonhost response of barley ( <i>Hordeum vulgare</i> ) to wheat powdery mildew ( <i>Blumeria graminis</i> f. sp. <i>tritici</i> ). <b>2020</b> , 10, 9192	
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1329	The Novel J-Domain Protein Mrj1 Is Required for Mitochondrial Respiration and Virulence in <i>Cryptococcus neoformans</i> . <b>2020</b> , 11,	8

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1326	Nuclear interacting SET domain protein 1 inactivation impairs GATA1-regulated erythroid differentiation and causes erythroleukemia. <b>2020</b> , 11, 2807	10
1325	Proteomic analysis enables distinction of early- versus advanced-stage lung adenocarcinomas. <b>2020</b> , 10, e106	5
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1307	Proteomic Analysis of Sri Lanka Venom: Immunological Cross-Reactivity and Enzyme Neutralization Potency of Indian Polyantivenom. <b>2020</b> , 19, 3022-3032	14
1306	Proximal Biotinylation-Based Combinatory Approach for Isolating Integral Plasma Membrane Proteins. <b>2020</b> , 19, 3583-3592	2
1305	Optimal Dissociation Methods Differ for - and -Glycopeptides. <b>2020</b> , 19, 3286-3301	71
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1303	Low Doses of Arsenic in a Mouse Model of Human Exposure and in Neuronal Culture Lead to S-Nitrosylation of Synaptic Proteins and Apoptosis via Nitric Oxide. <b>2020</b> , 21,	11
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1297	A Comparative Quantitative Proteomic Analysis of HCMV-Infected Cells Highlights pUL138 as a Multifunctional Protein. <b>2020</b> , 25,	2
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1282	A multi-omics analysis reveals the unfolded protein response regulon and stress-induced resistance to folate-based antimetabolites. <b>2020</b> , 11, 2936	19
1281	The Immunomodulatory Signature of Extracellular Vesicles From Cardiosphere-Derived Cells: A Proteomic and miRNA Profiling. <b>2020</b> , 8, 321	8
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1275	The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. <b>2020</b> , 11, 3145	24

1274	Holistic engineering of cell-free systems through proteome-reprogramming synthetic circuits. <b>2020</b> , 11, 3138		13
1273	A signaling hub of insulin receptor, dystrophin glycoprotein complex and plakoglobin regulates muscle size. <b>2020</b> , 11, 1381		17
1272	In-depth proteome analysis of more than 12,500 proteins in buffalo mammary epithelial cell line identifies protein signatures for active proliferation and lactation. <b>2020</b> , 10, 4834		5
1271	Phosphorylation of multiple proteins involved in ciliogenesis by Tau Tubulin kinase 2. <b>2020</b> , 31, 1032-1046		12
1270	Stress granules sense metabolic stress at the plasma membrane and potentiate recovery by storing active Pkc1. <b>2020</b> , 13,		12
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1263	Isoform-resolved correlation analysis between mRNA abundance regulation and protein level degradation. <b>2020</b> , 16, e9170		14
1262	Good Vibrations: Structural Remodeling of Maturing Yeast Pre-40S Ribosomal Particles Followed by Cryo-Electron Microscopy. <b>2020</b> , 25,		7
1261	Integrated proteogenomic deep sequencing and analytics accurately identify non-canonical peptides in tumor immunopeptidomes. <b>2020</b> , 11, 1293		78
1260	TEX264 coordinates p97- and SPRTN-mediated resolution of topoisomerase 1-DNA adducts. <b>2020</b> , 11, 1274		29
1259	Bait Correlation Improves Interactor Identification by Tandem Mass Tag-Affinity Purification-Mass Spectrometry. <b>2020</b> , 19, 1565-1573		1
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1257	Avian uterine fluid proteome: Exosomes and biological processes potentially involved in sperm survival. <b>2020</b> , 87, 454-470		5

1256	Rpn4 and proteasome-mediated yeast resistance to ethanol includes regulation of autophagy. <b>2020</b> , 104, 4027-4041	8
1255	Glycopeptide variable window SWATH for improved data independent acquisition glycoprotein analysis. <b>2020</b> , 597, 113667	14
1254	Proteome data of serum samples from patients with schizophrenia. <b>2020</b> , 29, 105338	1
1253	Proteogenomics Uncovers a Vast Repertoire of Shared Tumor-Specific Antigens in Ovarian Cancer. <b>2020</b> , 8, 544-555	23
1252	Reducing the Immunogenic Potential of Wheat Flour: Silencing of Alpha Gliadin Genes in a U.S. Wheat Cultivar. <b>2020</b> , 11, 20	12
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1249	Histone H4 dosage modulates DNA damage response in the pathogenic yeast <i>Candida glabrata</i> via homologous recombination pathway. <b>2020</b> , 16, e1008620	3
1248	Comparative Proteomics of Extended-Spectrum Cephalosporin-Resistant Isolates Demonstrates Altered Protein Synthesis, Metabolism, Substance Transport, and Membrane Permeability. <b>2020</b> , 11, 169	
1247	Two distinct modes of DNMT1 recruitment ensure stable maintenance DNA methylation. <b>2020</b> , 11, 1222	41
1246	Histone variant H3.3 residue S31 is essential for <i>Xenopus</i> gastrulation regardless of the deposition pathway. <b>2020</b> , 11, 1256	21
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1244	Synaptamide activates the adhesion GPCR GPR110 (ADGRF1) through GAIN domain binding. <b>2020</b> , 3, 109	14
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1242	Rapid and Quantitative Protein Precipitation for Proteome Analysis by Mass Spectrometry. <b>2020</b> , 19, 2035-2042	19
1241	Rhein, a novel Histone Deacetylase (HDAC) inhibitor with antifibrotic potency in human myocardial fibrosis. <b>2020</b> , 10, 4888	7
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1239	mRBPome capture identifies the RNA-binding protein TRIM71, an essential regulator of spermatogonial differentiation. <b>2020</b> , 147,	6

1238	Proteomic Analysis of Proteins Responsive to Drought and Low Temperature Stress in a Hard Red Spring Wheat Cultivar. <b>2020</b> , 25,	10
1237	A Pan-plant Protein Complex Map Reveals Deep Conservation and Novel Assemblies. <b>2020</b> , 181, 460-474.e14	59
1236	Distinct roles for H4 and H2A.Z acetylation in RNA transcription in African trypanosomes. <b>2020</b> , 11, 1498	14
1235	Forum: Molecular mapping of tumor heterogeneity. <b>2020</b> , 38, 286	
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1233	The Proteomic Landscape of Cysteine Oxidation That Underpins Retinoic Acid-Induced Neuronal Differentiation. <b>2020</b> , 19, 1923-1940	3
1232	IL-23 signaling regulation of pro-inflammatory T-cell migration uncovered by phosphoproteomics. <b>2020</b> , 18, e3000646	8
1231	Proteomic and metabolomic analysis of <i>Nothapodytes nimmoniana</i> (J. Graham) extracts treatment on HeLa cells. <b>2020</b> , 11, 27-62	1
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1229	Building blocks are synthesized on demand during the yeast cell cycle. <b>2020</b> , 117, 7575-7583	12
1228	Loss of the Periplasmic Chaperone Skp and Mutations in the Efflux Pump AcrAB-TolC Play a Role in Acquired Resistance to Antimicrobial Peptides in. <b>2020</b> , 11, 189	3
1227	Automated sample preparation with SP3 for low-input clinical proteomics. <b>2020</b> , 16, e9111	56
1226	MaxQuant Software for Ion Mobility Enhanced Shotgun Proteomics. <b>2020</b> , 19, 1058-1069	49
1225	Dynamic Surface Proteomes of Allergenic Fungal Conidia. <b>2020</b> , 19, 2092-2104	4
1224	Enhancing Top-Down Proteomics Data Analysis by Combining Deconvolution Results through a Machine Learning Strategy. <b>2020</b> , 31, 1104-1113	9
1223	Analysis of Soybean Long Non-Coding RNAs Reveals a Subset of Small Peptide-Coding Transcripts. <b>2020</b> , 182, 1359-1374	17
1222	Mass spectrometry-based identification and characterization of human hypothetical proteins highlighting the inconsistency across the protein databases. <b>2020</b> , 11, 17-25	1
1221	Fast and Robust Proteome Screening Platform Identifies Neutrophil Extracellular Trap Formation in the Lung in Response to Cobalt Ferrite Nanoparticles. <b>2020</b> , 14, 4096-4110	6

1220	Impact of the gut microbiota on the mA epitranscriptome of mouse cecum and liver. <b>2020</b> , 11, 1344	32
1219	Plant Raf-like kinases regulate the mRNA population upstream of ABA-unresponsive SnRK2 kinases under drought stress. <b>2020</b> , 11, 1373	45
1218	Cholesteryl $\beta$ -D-glucoside 6-acyltransferase enhances the adhesion of <i>Helicobacter pylori</i> to gastric epithelium. <b>2020</b> , 3, 120	12
1217	AIG1 and ADTRP are endogenous hydrolases of fatty acid esters of hydroxy fatty acids (FAHFAs) in mice. <b>2020</b> , 295, 5891-5905	17
1216	Fibroblast-specific genome-scale modelling predicts an imbalance in amino acid metabolism in Refsum disease. <b>2020</b> , 287, 5096-5113	4
1215	Phosphorylation switches protein disulfide isomerase activity to maintain proteostasis and attenuate ER stress. <b>2020</b> , 39, e103841	25
1214	Metabolic Rearrangements Causing Elevated Proline and Polyhydroxybutyrate Accumulation During the Osmotic Adaptation Response of. <b>2020</b> , 8, 47	3
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1212	A rare codon-based translational program of cell proliferation. <b>2020</b> , 21, 44	16
1211	Variability in protein cargo detection in technical and biological replicates of exosome-enriched extracellular vesicles. <b>2020</b> , 15, e0228871	4
1210	Rhomboid intramembrane protease YqgP licenses bacterial membrane protein quality control as adaptor of FtsH AAA protease. <b>2020</b> , 39, e102935	18
1209	Efficient Catalysis of Protein Folding by GroEL/ES of the Obligate Chaperonin Substrate MetF. <b>2020</b> , 432, 2304-2318	8
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1206	Quantitative proteomics to study aging in rabbit liver. <b>2020</b> , 187, 111227	3
1205	Correlation of Venom Toxinome Composition of Indian Red Scorpion ( <i>Scorpio</i> ) with Clinical Manifestations of Scorpion Stings: Failure of Commercial Antivenom to Immune-Recognize the Abundance of Low Molecular Mass Toxins of This Venom. <b>2020</b> , 19, 1847-1856	4
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1203	The PIWI protein Aubergine recruits eIF3 to activate translation in the germ plasm. <b>2020</b> , 30, 421-435	5

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1201	Moving Pieces in a Cellular Puzzle: A Cryptic Peptide from the Scorpion Toxin Ts14 Activates AKT and ERK Signaling and Decreases Cardiac Myocyte Contractility via Dephosphorylation of Phospholamban. <b>2020</b> , 19, 3467-3477	1
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1198	Development and Validation of an Library of Colombian Strains with MALDI-TOF MS to Improve Yeast Identification. <b>2020</b> , 6,	7
1197	The Insulin Receptor Adaptor IRS2 is an APC/C Substrate That Promotes Cell Cycle Protein Expression and a Robust Spindle Assembly Checkpoint. <b>2020</b> , 19, 1450-1467	2
1196	Master Sculptor at Work: Enteropathogenic <i>Escherichia coli</i> Infection Uniquely Modifies Mitochondrial Proteolysis during Its Control of Human Cell Death. <b>2020</b> , 5,	3
1195	RNA aptamer capture of macromolecular complexes for mass spectrometry analysis. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, e90	20.1 1
1194	N-glycomic profiling of colorectal cancer according to tumor stage and location. <b>2020</b> , 15, e0234989	6
1193	Long-Term Phenotypic and Proteomic Changes Following Vitrified Embryo Transfer in the Rabbit Model. <b>2020</b> , 10,	6
1192	Pan-Proteomic Analysis and Elucidation of Protein Abundance among the Closely Related Species, and. <b>2020</b> , 10,	2
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1190	The longer the worse: a combined proteomic and targeted study of the long-term versus short-term effects of silver nanoparticles on macrophages. <b>2020</b> , 7, 2032-2046	6
1189	Proteomic Profiling of Using a Three-Dimensional Separation Method Combined with Tandem Mass Spectrometry. <b>2020</b> , 25,	3
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1184	Expanding the Depth and Sensitivity of Cross-Link Identification by Differential Ion Mobility Using High-Field Asymmetric Waveform Ion Mobility Spectrometry. <b>2020</b> , 92, 10495-10503	13
1183	Phosphoproteomic quantitation and causal analysis reveal pathways in GPVI/ITAM-mediated platelet activation programs. <b>2020</b> , 136, 2346-2358	20
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1181	Identification of host factors limiting the overexpression of recombinant Cu, Zn superoxide dismutase in Escherichia coli. <b>2020</b> , 42, 2389-2401	1
1180	No difference in the proteome of racially and geometrically classified scalp hair sample from a South African cohort: Preliminary findings. <b>2020</b> , 226, 103892	3
1179	Pilot Multi-Omic Analysis of Human Bile from Benign and Malignant Biliary Strictures: A Machine-Learning Approach. <b>2020</b> , 12,	15
1178	Proteomics Profiling of KAIMRC1 in Comparison to MDA-MB231 and MCF-7. <b>2020</b> , 21,	6
1177	Secretome Analysis of Mesenchymal Stem Cell Factors Fostering Oligodendroglial Differentiation of Neural Stem Cells In Vivo. <b>2020</b> , 21,	7
1176	Characterization of cell-free breast cancer patient-derived scaffolds using liquid chromatography-mass spectrometry/mass spectrometry data and RNA sequencing data. <b>2020</b> , 31, 105860	2
1175	Data set of the proteome of fresh and frozen thawed stallion spermatozoa. <b>2020</b> , 31, 105887	2
1174	Top-Down Proteomics of Human Saliva Discloses Significant Variations of the Protein Profile in Patients with Mastocytosis. <b>2020</b> , 19, 3238-3253	3
1173	Pulsed SILAM Reveals In Vivo Dynamics of Murine Brain Protein Translation. <b>2020</b> , 5, 13528-13540	1
1172	Functional surface proteomic profiling reveals the host heat-shock protein A8 as a mediator of Lichtheimia corymbifera recognition by murine alveolar macrophages. <b>2020</b> , 22, 3722-3740	4
1171	The kinase Isr1 negatively regulates hexosamine biosynthesis in S. cerevisiae. <b>2020</b> , 16, e1008840	2
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1167	Mitochondrial CLPP2 Assists Coordination and Homeostasis of Respiratory Complexes. <b>2020</b> , 184, 148-164	10

1166	Control of mRNA translation by dynamic ribosome modification. <b>2020</b> , 16, e1008837	4
1165	System-wide biochemical analysis reveals ozonide antimalarials initially act by disrupting Plasmodium falciparum haemoglobin digestion. <b>2020</b> , 16, e1008485	9
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1162	INTS10-INTS13-INTS14 form a functional module of Integrator that binds nucleic acids and the cleavage module. <b>2020</b> , 11, 3422	13
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1160	Structure and Function of an Elongation Factor P Subfamily in Actinobacteria. <b>2020</b> , 30, 4332-4342.e5	4
1159	Proteomic characterization of the mucosal pellicle formed in vitro on a cellular model of oral epithelium. <b>2020</b> , 222, 103797	2
1158	Sequential Precipitation and Delipidation Enables Efficient Enrichment of Low-Molecular Weight Proteins and Peptides from Human Plasma. <b>2020</b> , 19, 3340-3351	7
1157	TMEM16K is an interorganelle regulator of endosomal sorting. <b>2020</b> , 11, 3298	18
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1155	Compositional and immunogenic evaluation of fractionated wheat beers using mass spectrometry. <b>2020</b> , 333, 127379	2
1154	Shotgun proteomics analysis of SARS-CoV-2-infected cells and how it can optimize whole viral particle antigen production for vaccines. <b>2020</b> , 9, 1712-1721	36
1153	CASC3 promotes transcriptome-wide activation of nonsense-mediated decay by the exon junction complex. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 8626-8644	20.1 13
1152	Identification of targets of AMPylating Fic enzymes by co-substrate-mediated covalent capture. <b>2020</b> , 12, 732-739	8
1151	Accurate and Sensitive Quantitation of the Dynamic Heat Shock Proteome Using Tandem Mass Tags. <b>2020</b> , 19, 1183-1195	5
1150	The ELIXIR Core Data Resources: fundamental infrastructure for the life sciences. <b>2020</b> , 36, 2636-2642	29
1149	Metabolome and proteome changes in skeletal muscle and blood of pre-weaning calves fed leucine and threonine supplemented diets. <b>2020</b> , 216, 103677	5



1148	Assessment of separation methods for extracellular vesicles from human and mouse brain tissues and human cerebrospinal fluids. <b>2020</b> , 177, 35-49	18
1147	Gastric bypass surgery in a rat model alters the community structure and functional composition of the intestinal microbiota independently of weight loss. <b>2020</b> , 8, 13	18
1146	Quantitative proteomics analysis reveals important roles of N-glycosylation on ER quality control system for development and pathogenesis in <i>Magnaporthe oryzae</i> . <b>2020</b> , 16, e1008355	15
1145	Stress response and detoxification mechanisms involved in non-target-site herbicide resistance in sunflower. <b>2020</b> , 60, 1809-1822	0
1144	The Small ORF Stimulates Growth and Morphological Development and Exerts Opposite Effects on Actinorhodin and Calcium-Dependent Antibiotic Production. <b>2020</b> , 11, 224	5
1143	Label-free quantitative proteomic analysis of <i>M. longissimus dorsi</i> from cattle during dietary restriction and subsequent compensatory growth. <b>2020</b> , 10, 2613	5
1142	Functional omics analyses reveal only minor effects of microRNAs on human somatic stem cell differentiation. <b>2020</b> , 10, 3284	3
1141	Depletion of histone methyltransferase KMT9 inhibits lung cancer cell proliferation by inducing non-apoptotic cell death. <b>2020</b> , 20, 52	10
1140	Cytokine-Induced Guanylate Binding Protein 1 (GBP1) Release from Human Ovarian Cancer Cells. <b>2020</b> , 12,	4
1139	The Hypoxic Proteome and Metabolome of Barley ( <i>L.</i> ) with and without Phytohemagglutinin Priming. <b>2020</b> , 21,	5
1138	A Quantitative Tissue-Specific Landscape of Protein Redox Regulation during Aging. <b>2020</b> , 180, 968-983.e24	105
1137	Combination of chemotherapy and PD-1 blockade induces T cell responses to tumor non-mutated neoantigens. <b>2020</b> , 3, 85	17
1136	Imipridone Anticancer Compounds Ectopically Activate the ClpP Protease and Represent a New Scaffold for Antibiotic Development. <b>2020</b> , 214, 1103-1120	16
1135	Secretome Analysis of Cardiomyocytes Identifies PCSK6 (Proprotein Convertase Subtilisin/Kexin Type 6) as a Novel Player in Cardiac Remodeling After Myocardial Infarction. <b>2020</b> , 141, 1628-1644	23
1134	Identification of Novel Prognosis and Prediction Markers in Advanced Prostate Cancer Tissues Based on Quantitative Proteomics. <b>2020</b> , 17, 195-208	12
1133	Dynamic response in the larval geoduck ( <i>G.</i> ) proteome to elevated CO <sub>2</sub> . <b>2020</b> , 10, 185-197	7
1132	Reciprocal transplantation of the heterotrophic coral ( <i>Scleractinia</i> : <i>Dendrophylliidae</i> ) between distinct habitats did not alter its venom toxin composition. <b>2020</b> , 10, 1794-1803	4
1131	Interactome of vertebrate GAF/ThPOK reveals its diverse functions in gene regulation and DNA repair. <b>2020</b> , 45, 1	2

1130	Cyp2c44 regulates prostaglandin synthesis, lymphangiogenesis, and metastasis in a mouse model of breast cancer. <b>2020</b> , 117, 5923-5930	5
1129	The microtubule-associated histone methyltransferase SET8, facilitated by transcription factor LSF, methylates $\beta$ -tubulin. <b>2020</b> , 295, 4748-4759	9
1128	The tetraspanin Tspan15 is an essential subunit of an ADAM10 scissor complex. <b>2020</b> , 295, 12822-12839	16
1127	Listeria monocytogenes Exploits Mitochondrial Contact Site and Cristae Organizing System Complex Subunit Mic10 To Promote Mitochondrial Fragmentation and Cellular Infection. <b>2020</b> , 11,	11
1126	Transgelin Silencing Induces Different Processes in Different Breast Cancer Cell Lines. <b>2020</b> , 20, e1900383	1
1125	Inference of Multisite Phosphorylation Rate Constants and Their Modulation by Pathogenic Mutations. <b>2020</b> , 30, 877-882.e6	7
1124	Cross-talks of glycosylphosphatidylinositol biosynthesis with glycosphingolipid biosynthesis and ER-associated degradation. <b>2020</b> , 11, 860	24
1123	FANCD2-FANCI is a clamp stabilized on DNA by monoubiquitination of FANCD2 during DNA repair. <b>2020</b> , 27, 240-248	48
1122	Comparative milk proteome analysis of Kashmiri and Jersey cattle identifies differential expression of key proteins involved in immune system regulation and milk quality. <b>2020</b> , 21, 161	8
1121	Responses of sp. WH15 to High Carbon Revealed by Integrated Omics Analyses. <b>2020</b> , 8,	2
1120	Interactive proteogenomic exploration of response to Fusarium head blight in oat varieties with different resistance. <b>2020</b> , 218, 103688	3
1119	Mass Spectrometry Based Immunopeptidomics Leads to Robust Predictions of Phosphorylated HLA Class I Ligands. <b>2020</b> , 19, 390-404	19
1118	A genetic analysis reveals novel histone residues required for transcriptional reprogramming upon stress. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 3455-3475	20.1 7
1117	Germ-free and microbiota-associated mice yield small intestinal epithelial organoids with equivalent and robust transcriptome/proteome expression phenotypes. <b>2020</b> , 22, e13191	15
1116	Identification of proteins from the secretory/excretory products (SEPs) of the branchiuran ectoparasite <i>Argulus foliaceus</i> (Linnaeus, 1758) reveals unique secreted proteins amongst haematophagous ecdysozoa. <b>2020</b> , 13, 88	3
1115	Antibody-Free Multiplex Measurement of 23 Human Cytokines in Primary Cell Culture Secretome Using Targeted Mass Spectrometry. <b>2020</b> , 92, 3742-3750	4
1114	DirectMS1: MS/MS-Free Identification of 1000 Proteins of Cellular Proteomes in 5 Minutes. <b>2020</b> , 92, 4326-4333	14
1113	Structural insights into the main S-layer unit of reveal a massive protein complex with porin-like features. <b>2020</b> , 295, 4224-4236	7

1112	The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. <b>2020</b> , 10,	7
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1110	Identification of osteolineage cell-derived extracellular vesicle cargo implicated in hematopoietic support. <b>2020</b> , 34, 5435-5452	5
1109	ATDC5 cells as a model of cartilage extracellular matrix neosynthesis, maturation and assembly. <b>2020</b> , 219, 103718	1
1108	Conformation-specific inhibitors of activated Ras GTPases reveal limited Ras dependency of patient-derived cancer organoids. <b>2020</b> , 295, 4526-4540	9
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1106	A synthetic peptide library for benchmarking crosslinking-mass spectrometry search engines for proteins and protein complexes. <b>2020</b> , 11, 742	31
1105	CEP44 ensures the formation of bona fide centriole wall, a requirement for the centriole-to-centrosome conversion. <b>2020</b> , 11, 903	14
1104	Targeting of EGFR by a combination of antibodies mediates unconventional EGFR trafficking and degradation. <b>2020</b> , 10, 663	13
1103	hipBA toxin-antitoxin systems mediate persistence in <i>Caulobacter crescentus</i> . <b>2020</b> , 10, 2865	15
1102	Absolute proteomic quantification reveals design principles of sperm flagellar chemosensation. <b>2020</b> , 39, e102723	11
1101	Proteomic Investigation on <i>Anopheles gambiae</i> in Burkina Faso Related to Insecticide Pressures from Different Climatic Regions. <b>2020</b> , 20, e1900400	
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1099	Murine Epidermal Ceramide Synthase 4 Is a Key Regulator of Skin Barrier Homeostasis. <b>2020</b> , 140, 1927-1937.e5	5
1098	Basic Strong Cation Exchange Chromatography, BaSCX, a Highly Efficient Approach for C-Terminomic Studies Using LysargiNase Digestion. <b>2020</b> , 92, 4742-4748	6
1097	Predicting Electrophoretic Mobility of Proteoforms for Large-Scale Top-Down Proteomics. <b>2020</b> , 92, 3503-3507	12
1096	Structural Basis for Lipid Binding and Function by an Evolutionarily Conserved Protein, Serum Amyloid A. <b>2020</b> , 432, 1978-1995	9
1095	Peptidomics Approaches for the Identification of Bioactive Molecules From. <b>2020</b> , 19, 1392-1408	6

1094	Nucleolar localization of RAG1 modulates V(D)J recombination activity. <b>2020</b> , 117, 4300-4309	9
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1092	Proteomic Analyses Elucidate Differences in the Protein Repertoires among Clinical Strains Related to Virulence and Persistence. <b>2020</b> , 9,	3
1091	Quantitative Proteomics to Identify Nuclear RNA-Binding Proteins of Malat1. <b>2020</b> , 21,	6
1090	Combined Expression of Plasma Thrombospondin-2 and CA19-9 for Diagnosis of Pancreatic Cancer and Distal Cholangiocarcinoma: A Proteome Approach. <b>2020</b> , 25, e634-e643	18
1089	Insights into the Functions of eIF4E-Binding Motif of VPg in Potato Virus A Infection. <b>2020</b> , 12,	6
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1087	Quantitative Proteomic Analysis of the Central Amygdala in Neuropathic Pain Model Rats. <b>2020</b> , 19, 1592-1619	2
1086	Deciphering the human phosphoproteome. <b>2020</b> , 38, 285-286	3
1085	Proteomic Analysis of MYB-Regulated Secretome Identifies Functional Pathways and Biomarkers: Potential Pathobiological and Clinical Implications. <b>2020</b> , 19, 794-804	7
1084	Polarly Localized EccE Is Required for ESX-1 Function and Stabilization of ESX-1 Membrane Proteins in Mycobacterium tuberculosis. <b>2020</b> , 202,	5
1083	FAM134B oligomerization drives endoplasmic reticulum membrane scission for ER-phagy. <b>2020</b> , 39, e102608	35
1082	Mechanisms governing the pioneering and redistribution capabilities of the non-classical pioneer PU.1. <b>2020</b> , 11, 402	31
1081	A Combined Proteomics, Metabolomics and In Vivo Analysis Approach for the Characterization of Probiotics in Large-Scale Production. <b>2020</b> , 10,	9
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1079	The Antimalarial Natural Product Salinipostin A Identifies Essential $\beta$ -Serine Hydrolases Involved in Lipid Metabolism in P.falciparum Parasites. <b>2020</b> , 27, 143-157.e5	27
1078	Endothelial progeria induces adipose tissue senescence and impairs insulin sensitivity through senescence associated secretory phenotype. <b>2020</b> , 11, 481	21
1077	Quantitative Proteomics of the Endothelial Secretome Identifies RC0497 as Diagnostic of Acute Rickettsial Spotted Fever Infections. <b>2020</b> , 190, 306-322	5

1076	Proteomic changes after fertilization and before first cleavage in rainbow trout <i>Oncorhynchus mykiss</i> . <b>2020</b> , 520, 734951	5
1075	Bacterial Hsp70 resolves misfolded states and accelerates productive folding of a multi-domain protein. <b>2020</b> , 11, 365	43
1074	Comprehensive Proteomic Characterization Reveals Subclass-Specific Molecular Aberrations within Triple-negative Breast Cancer. <b>2020</b> , 23, 100868	8
1073	Mechanisms of innate events during skin reaction following intradermal injection of seasonal influenza vaccine. <b>2020</b> , 216, 103670	6
1072	EPIFANY: A Method for Efficient High-Confidence Protein Inference. <b>2020</b> , 19, 1060-1072	6
1071	Somatic gene editing ameliorates skeletal and cardiac muscle failure in pig and human models of Duchenne muscular dystrophy. <b>2020</b> , 26, 207-214	85
1070	A precisely positioned MED12 activation helix stimulates CDK8 kinase activity. <b>2020</b> , 117, 2894-2905	25
1069	Biomarker discovery for chronic liver diseases by multi-omics - a preclinical case study. <b>2020</b> , 10, 1314	14
1068	Metabolic syndrome diminishes insulin-induced Akt activation and causes a redistribution of Akt-interacting proteins in cardiomyocytes. <b>2020</b> , 15, e0228115	8
1067	The tight junction protein TJP1 regulates the feeding-modulated hepatic circadian clock. <b>2020</b> , 11, 589	8
1066	A human ciliopathy reveals essential functions for NEK10 in airway mucociliary clearance. <b>2020</b> , 26, 244-251	22
1065	Hepatic proteomic analysis of selenoprotein F knockout mice by iTRAQ: An implication for the roles of selenoprotein F in metabolism and diseases. <b>2020</b> , 215, 103653	10
1064	Identifying drug targets in tissues and whole blood with thermal-shift profiling. <b>2020</b> , 38, 303-308	46
1063	Mechanism of adrenergic Ca <sub>v</sub> 1.2 stimulation revealed by proximity proteomics. <b>2020</b> , 577, 695-700	86
1062	Chilling stress reduced protein translation by the ubiquitination of ribosomal proteins in <i>Volvariella volvacea</i> . <b>2020</b> , 215, 103668	6
1061	Protein complexes including PGRMC1 and actin-associated proteins are disrupted by AG-205. <b>2020</b> , 524, 64-69	9
1060	Cuticular Structure Proteomics in the Pea Aphid Reveals New Plant Virus Receptor Candidates at the Tip of Maxillary Stylets. <b>2020</b> , 19, 1319-1337	11
1059	<i>Clostridium cellulovorans</i> metabolism of cellulose as studied by comparative proteomic approach. <b>2020</b> , 216, 103667	9

1058	MaXLinker: Proteome-wide Cross-link Identifications with High Specificity and Sensitivity. <b>2020</b> , 19, 554-568	21
1057	IL8 and PMA Trigger the Regulation of Different Biological Processes in Granulocyte Activation. <b>2019</b> , 10, 3064	9
1056	S-ketamine induces acute changes in the proteome of the mouse amygdala. <b>2020</b> , 216, 103679	2
1055	Genome-wide analysis and phosphorylation sites identification of the 14-3-3 gene family and functional characterization of MeGRF3 in cassava. <b>2020</b> , 169, 244-257	1
1054	How to Cope With Heavy Metal Ions: Cellular and Proteome-Level Stress Response to Divalent Copper and Nickel in R1 Planktonic and Biofilm Cells. <b>2019</b> , 10, 3056	4
1053	Combined Proteomics and Metabolism Analysis Unravels Prominent Roles of Antioxidant System in the Prevention of Alfalfa ( <i>L.</i> ) against Salt Stress. <b>2020</b> , 21,	12
1052	Posttranslational Modifications Mediate the Structural Diversity of Tauopathy Strains. <b>2020</b> , 180, 633-644.e12	156
1051	Defining the Adult Neural Stem Cell Niche Proteome Identifies Key Regulators of Adult Neurogenesis. <b>2020</b> , 26, 277-293.e8	54
1050	SWATH-MS Analysis of FFPE Tissues Identifies Stathmin as a Potential Marker of Endometrial Cancer in Patients Exposed to Tamoxifen. <b>2020</b> , 19, 2617-2630	5
1049	Lipid moieties of lipoproteins are the causative factor of vaccine-enhanced disease. <b>2020</b> , 5, 31	4
1048	A Comprehensive Proteomic and Phosphoproteomic Analysis of Retinal Pigment Epithelium Reveals Multiple Pathway Alterations in Response to the Inflammatory Stimuli. <b>2020</b> , 21,	3
1047	Region-Specific Proteome Changes of the Intestinal Epithelium during Aging and Dietary Restriction. <b>2020</b> , 31, 107565	20
1046	The DNA Sensor cGAS is Decorated by Acetylation and Phosphorylation Modifications in the Context of Immune Signaling. <b>2020</b> , 19, 1193-1208	17
1045	Identification of differentially regulated proteins of <i>Caenorhabditis elegans</i> during <i>Salmonella enterica</i> Serovar Typhi exposure using Mass Spectrometry. <b>2020</b> , 11, 105-117	
1044	A pilot proteomic study reveals different protein profiles related to testosterone and gonadotropin changes in a short-term controlled healthy human cohort. <b>2020</b> , 220, 103768	0
1043	Comparative proteomics of three strains: investigation of antigenic variation in the post-genomic era. <b>2020</b> , 147, 1008-1018	5
1042	Inter-domain dynamics in the chaperone SurA and multi-site binding to its outer membrane protein clients. <b>2020</b> , 11, 2155	28
1041	Exercise Training in Obese Rats Does Not Induce Browning at Thermoneutrality and Induces a Muscle-Like Signature in Brown Adipose Tissue. <b>2020</b> , 11, 97	11

1040	Quantitative proteomic profiling of the rat substantia nigra places glial fibrillary acidic protein at the hub of proteins dysregulated during aging: Implications for idiopathic Parkinson's disease. <b>2020</b> , 98, 1417-1432	1
1039	Proteomic profiling of stallion spermatozoa suggests changes in sperm metabolism and compromised redox regulation after cryopreservation. <b>2020</b> , 221, 103765	10
1038	Acute experimental infection of bats and ferrets with Hendra virus: Insights into the early host response of the reservoir host and susceptible model species. <b>2020</b> , 16, e1008412	11
1037	Proteogenomics-Guided Evaluation of RNA-Seq Assembly and Protein Database Construction for Emergent Model Organisms. <b>2020</b> , 20, e1900261	1
1036	Calretinin is a novel candidate marker for adverse ovarian effects of early life exposure to mixtures of endocrine disruptors in the rat. <b>2020</b> , 94, 1241-1250	2
1035	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <b>2020</b> , 31, 862-877.e14	67
1034	OsNSUN2-Mediated 5-Methylcytosine mRNA Modification Enhances Rice Adaptation to High Temperature. <b>2020</b> , 53, 272-286.e7	32
1033	Proteomic genotyping: Using mass spectrometry to infer SNP genotypes in pigmented and non-pigmented hair. <b>2020</b> , 310, 110200	7
1032	Proteomic analysis reveals the protective effects of emodin on severe acute pancreatitis induced lung injury by inhibiting neutrophil proteases activity. <b>2020</b> , 220, 103760	9
1031	Functional changes of the liver in the absence of growth hormone (GH) action - Proteomic and metabolomic insights from a GH receptor deficient pig model. <b>2020</b> , 36, 100978	12
1030	Optimization of Synovial Fluid Collection and Processing for NMR Metabolomics and LC-MS/MS Proteomics. <b>2020</b> , 19, 2585-2597	5
1029	A Bayesian Null Interval Hypothesis Test Controls False Discovery Rates and Improves Sensitivity in Label-Free Quantitative Proteomics. <b>2020</b> , 19, 1975-1981	3
1028	Interplay of Ubiquitin-Like Modifiers Following Arsenic Trioxide Treatment. <b>2020</b> , 19, 1999-2010	3
1027	Autophosphorylation at serine 166 regulates RIP kinase 1-mediated cell death and inflammation. <b>2020</b> , 11, 1747	32
1026	CD4 T immunogenicity of the . secreted products. <b>2020</b> , 5, 25	3
1025	An exported kinase family mediates species-specific erythrocyte remodelling and virulence in human malaria. <b>2020</b> , 5, 848-863	13
1024	Larval Geoduck ( <i>Panopea generosa</i> ) Proteomic Response to Ciliates. <b>2020</b> , 10, 6042	3
1023	Identification of immune-related proteins of <i>Dreissena polymorpha</i> hemocytes and plasma involved in host-microbe interactions by differential proteomics. <b>2020</b> , 10, 6226	9

1022	The Secretome Profiling of a Pediatric Airway Epithelium Infected with hRSV Identified Aberrant Apical/Basolateral Trafficking and Novel Immune Modulating (CXCL6, CXCL16, CSF3) and Antiviral (CEACAM1) Proteins. <b>2020</b> , 19, 793-807	9
1021	Improving Identification of Protein-Protein Interactions Using an Affinity-enrichable, Isotopically Coded, and Mass Spectrometry-cleavable Chemical Crosslinker. <b>2020</b> , 19, 624-639	20
1020	Chemical Genetics of AGC-kinases Reveals Shared Targets of Ypk1, Protein Kinase A and Sch9. <b>2020</b> , 19, 655-671	7
1019	Immediate Adaptation Analysis Implicates BCL6 as an EGFR-TKI Combination Therapy Target in NSCLC. <b>2020</b> , 19, 928-943	4
1018	Plasma proteomic profiles differ between European and North American myotid bats colonized by <i>Pseudogymnoascus destructans</i> . <b>2020</b> , 29, 1745-1755	7
1017	Systems Analysis of NADH Dehydrogenase Mutants Reveals Flexibility and Limits of <i>Pseudomonas taiwanensis</i> VLB120's Metabolism. <b>2020</b> , 86,	2
1016	Proteome of a <i>Moraxella catarrhalis</i> Strain under Iron-Restricted Conditions. <b>2020</b> , 9,	1
1015	The Flemmingsome reveals an ESCRT-to-membrane coupling via ALIX/syntenin/syndecan-4 required for completion of cytokinesis. <b>2020</b> , 11, 1941	26
1014	Structure-function analyses of the G729R 2-oxoadipate dehydrogenase genetic variant associated with a disorder of l-lysine metabolism. <b>2020</b> , 295, 8078-8095	3
1013	-Glutathionylation of human inducible Hsp70 reveals a regulatory mechanism involving the C-terminal helical lid. <b>2020</b> , 295, 8302-8324	7
1012	Flow-induced Reorganization of Laminin-integrin Networks Within the Endothelial Basement Membrane Uncovered by Proteomics. <b>2020</b> , 19, 1179-1192	4
1011	Methylation of <i>Salmonella</i> Typhimurium flagella promotes bacterial adhesion and host cell invasion. <b>2020</b> , 11, 2013	27
1010	Identifying nucleic acid-associated proteins in <i>Mycobacterium smegmatis</i> by mass spectrometry-based proteomics. <b>2020</b> , 21, 19	4
1009	The Autophagy-Initiating Kinase ULK1 Controls RIPK1-Mediated Cell Death. <b>2020</b> , 31, 107547	24
1008	The SHCA adapter protein cooperates with lipoma-preferred partner in the regulation of adhesion dynamics and invadopodia formation. <b>2020</b> , 295, 10535-10559	3
1007	Dissecting the Roles of Mitochondrial Complex I Intermediate Assembly Complex Factors in the Biogenesis of Complex I. <b>2020</b> , 31, 107541	33
1006	Alteration of protein homeostasis mediates the interaction of <i>Pseudomonas aeruginosa</i> with <i>Staphylococcus aureus</i> . <b>2020</b> , 114, 423-442	9
1005	Alterations of redox and iron metabolism accompany the development of HIV latency. <b>2020</b> , 39, e102209	20



1004	Airway Exosomes Released During Influenza Virus Infection Serve as a Key Component of the Antiviral Innate Immune Response. <b>2020</b> , 11, 887	17
1003	Integrative Proteome and Acetylome Analyses of Murine Responses to Infection. <b>2020</b> , 11, 575	5
1002	Potential Role of Circulating Endoglin in Hypertension via the Upregulated Expression of BMP4. <b>2020</b> , 9,	9
1001	Olaparib-Based Photoaffinity Probes for PARP-1 Detection in Living Cells. <b>2020</b> , 21, 2431-2434	3
1000	Characterisation of the biochemical and cellular roles of native and pathogenic amelogenesis imperfecta mutants of FAM83H. <b>2020</b> , 72, 109632	4
999	TMT-based proteomics analysis reveals the protective effects of Xuefu Zhuyu decoction in a rat model of traumatic brain injury. <b>2020</b> , 258, 112826	9
998	Bump-and-Hole Engineering Identifies Specific Substrates of Glycosyltransferases in Living Cells. <b>2020</b> , 78, 824-834.e15	38
997	Selective Maleylation-Directed Isobaric Peptide Termini Labeling for Accurate Proteome Quantification. <b>2020</b> , 92, 7836-7844	4
996	Identifying Sialylation Linkages at the Glycopeptide Level by Glycosyltransferase Labeling Assisted Mass Spectrometry (GLAMS). <b>2020</b> , 92, 6297-6303	10
995	Fast and Highly Efficient Affinity Enrichment of Azide-A-DSBSO Cross-Linked Peptides. <b>2020</b> , 19, 2071-2079	9
994	Tumor-associated macrophages promote ovarian cancer cell migration by secreting transforming growth factor beta induced (TGFB1) and tenascin C. <b>2020</b> , 11, 249	37
993	Inhibition of collagen XI alpha 1-induced fatty acid oxidation triggers apoptotic cell death in cisplatin-resistant ovarian cancer. <b>2020</b> , 11, 258	25
992	Hemocyte phagosomal proteome is dynamically shaped by cytoskeleton remodeling and interorganellar communication with endoplasmic reticulum during phagocytosis in a marine invertebrate, <i>Crassostrea gigas</i> . <b>2020</b> , 10, 6577	5
991	Serial in-solution digestion protocol for mass spectrometry-based glycomics and proteomics analysis. <b>2020</b> , 16, 364-376	9
990	The heme-regulatory motifs of heme oxygenase-2 contribute to the transfer of heme to the catalytic site for degradation. <b>2020</b> , 295, 5177-5191	8
989	Assessing Protein Sequence Database Suitability Using Sequencing. <b>2020</b> , 19, 198-208	9
988	Plasticity of nuclear and cytoplasmic stress responses of RNA-binding proteins. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 4725-4740	20.1 17
987	Identification of Chloroplast Envelope Proteins with Critical Importance for Cold Acclimation. <b>2020</b> , 182, 1239-1255	18

986	Cytochrome Decreases Photosynthesis under Photomixotrophy in sp. PCC 6803. <b>2020</b> , 183, 700-716	8
985	Stoichiometry of two plant glycine decarboxylase complexes and comparison with a cyanobacterial glycine cleavage system. <b>2020</b> , 103, 801-813	1
984	Protein modification with ISG15 blocks coxsackievirus pathology by antiviral and metabolic reprogramming. <b>2020</b> , 6, eaay1109	10
983	TAp63-Regulated miRNAs Suppress Cutaneous Squamous Cell Carcinoma through Inhibition of a Network of Cell-Cycle Genes. <b>2020</b> , 80, 2484-2497	7
982	Primary myeloid cell proteomics and transcriptomics: importance of $\beta$ -tubulin isotypes for osteoclast function. <b>2020</b> , 133,	6
981	CLUH granules coordinate translation of mitochondrial proteins with mTORC1 signaling and mitophagy. <b>2020</b> , 39, e102731	17
980	Integrative -omics and HLA-ligandomics analysis to identify novel drug targets for ccRCC immunotherapy. <b>2020</b> , 12, 32	11
979	Diversity in A $\beta$ deposit morphology and secondary proteome insolubility across models of Alzheimer-type $\beta$ amyloidosis. <b>2020</b> , 8, 43	6
978	AKT but not MYC promotes reactive oxygen species-mediated cell death in oxidative culture. <b>2020</b> , 133,	3
977	The nanophthalmos protein TMEM98 inhibits MYRF self-cleavage and is required for eye size specification. <b>2020</b> , 16, e1008583	11
976	Proteome Analysis of Isolated Podocytes Reveals Stress Responses in Glomerular Sclerosis. <b>2020</b> , 31, 544-559	11
975	Genetic Deletion of Zebrafish Rab28 Causes Defective Outer Segment Shedding, but Not Retinal Degeneration. <b>2020</b> , 8, 136	4
974	Natural-Killer-Derived Extracellular Vesicles: Immune Sensors and Interactors. <b>2020</b> , 11, 262	46
973	Proteomics-Based Characterization of miR-574-5p Decoy to CUGBP1 Suggests Specificity for mPGES-1 Regulation in Human Lung Cancer Cells. <b>2020</b> , 11, 196	3
972	Differential Proteomic Analysis of Chinese Giant Salamander Liver in Response to Fasting. <b>2020</b> , 11, 208	0
971	Response of Midgut Trypsin- and Chymotrypsin-Like Proteases of Larvae Upon Feeding With Peanut BBI: Biochemical and Biophysical Characterization of PnBBI. <b>2020</b> , 11, 266	5
970	Regulates Transcription and the Epigenetic Landscape via POLE and DMAP1 while Deficiency or Pharmacological Inhibition Sensitizes Germ Cell Tumor Cells to ATR Inhibition. <b>2020</b> , 12,	9
969	The secretome of skin cancer cells activates the mTOR/MYC pathway in healthy keratinocytes and induces tumorigenic properties. <b>2020</b> , 1867, 118717	3

968	Ribosome profiling at isoform level reveals evolutionary conserved impacts of differential splicing on the proteome. <b>2020</b> , 11, 1768	12
967	Integrin $\beta 1$ on Tumor Keratinocytes Is Essential to Maintain Tumor Growth and Promotes a Tumor-Supportive Keratinocyte Secretome. <b>2021</b> , 141, 142-151.e6	5
966	A positive pressure workstation for semi-automated peptide purification of complex proteomic samples. <b>2021</b> , 35, e8873	1
965	Novel Aza-podophyllotoxin derivative induces oxidative phosphorylation and cell death via AMPK activation in triple-negative breast cancer. <b>2021</b> , 124, 604-615	6
964	The mitochondrial isoform glutathione peroxidase 3 (OsGPX3) is involved in ABA responses in rice plants. <b>2021</b> , 232, 104029	2
963	Identification of tissue-dependent proteins in knee OA synovial fluid. <b>2021</b> , 29, 124-133	6
962	Comparison of different variant sequence types coupled with decoy generation methods used in concatenated target-decoy database searches for proteogenomic research. <b>2021</b> , 231, 104021	0
961	Analysis of the regenerative capacity of human serum exosomes after a simple multistep separation from lipoproteins. <b>2021</b> , 15, 63-77	2
960	The Proteomic Landscape of Centromeric Chromatin Reveals an Essential Role for the Ctf19 Complex in Meiotic Kinetochore Assembly. <b>2021</b> , 31, 283-296.e7	4
959	A body weight loss- and health-promoting gut microbiota is established after bariatric surgery in individuals with severe obesity. <b>2021</b> , 193, 113747	4
958	Stage-specific protein regulation during somatic embryo development of <i>Carica papaya</i> L. 'Golden'. <b>2021</b> , 1869, 140561	6
957	Quantitative proteomics analysis of high and low polyphenol expressing recombinant inbred lines (RILs) of peanut ( <i>Arachis hypogaea</i> L.). <b>2021</b> , 334, 127517	2
956	Comparative Secretomics Gives Access to High Confident Secretome Data: Evaluation of Different Methods for the Determination of Bona Fide Secreted Proteins. <b>2021</b> , 21, e2000178	1
955	Cell-autonomous hepatocyte-specific GP130 signaling is sufficient to trigger a robust innate immune response in mice. <b>2021</b> , 74, 407-418	5
954	Tissue- and isoform-specific protein complex analysis with natively processed bait proteins. <b>2021</b> , 231, 103947	3
953	The tissue proteome in the multi-omic landscape of kidney disease. <b>2021</b> , 17, 205-219	12
952	Isobaric Tag-Based Protein Profiling across Eight Human Cell Lines Using High-Field Asymmetric Ion Mobility Spectrometry and Real-Time Database Searching. <b>2021</b> , 21, e2000218	1
951	Quantitative proteomics reveals Shexiang Baoxin Pill exerts cardioprotective effects by preserving energy metabolism in a rat model of myocardial infarction. <b>2021</b> , 266, 113460	5

950	Proteasuria in nephrotic syndrome-quantification and proteomic profiling. <b>2021</b> , 230, 103981	11
949	Novel amyloid-beta pathology <i>C. elegans</i> model reveals distinct neurons as seeds of pathogenicity. <b>2021</b> , 198, 101907	3
948	Temporal Proteomic Profiling of SH-SY5Y Differentiation with Retinoic Acid Using FAIMS and Real-Time Searching. <b>2021</b> , 20, 704-714	7
947	Proteomics reveals sex-specific heat shock response of Baikal amphipod <i>Eulimnogammarus cyaneus</i> . <b>2021</b> , 763, 143008	0
946	N-glycomic signature of stage II colorectal cancer and its association with the tumor microenvironment. <b>2021</b> , 100057	11
945	Expanding the Efflux In Vitro Assay Toolbox: A CRISPR-Cas9 Edited MDCK Cell Line with Human BCRP and Completely Lacking Canine MDR1. <b>2021</b> , 110, 388-396	3
944	Matrix reverses immortalization-mediated stem cell fate determination. <b>2021</b> , 265, 120387	6
943	Quantitative proteomics of cerebrospinal fluid using tandem mass tags in dogs with recurrent epileptic seizures. <b>2021</b> , 231, 103997	2
942	Growth media selection alters the proteome profiles of three model microorganisms. <b>2021</b> , 231, 104006	3
941	<i>Enterococcus faecium</i> NCIMB10415 responds to norepinephrine by altering protein profiles and phenotypic characters. <b>2021</b> , 231, 104003	4
940	Ultrasensitive single-cell proteomics workflow identifies >1000 protein groups per mammalian cell. <b>2020</b> , 12, 1001-1006	62
939	Hippocampal synaptoproteomic changes of susceptibility and resilience of male rats to chronic social isolation. <b>2021</b> , 166, 128-141	2
938	Neuropeptidomic Analysis of a Genetically Defined Cell Type in Mouse Brain and Pituitary. <b>2021</b> , 28, 105-112.e4	
937	Proteomic Analysis Reveals the Effect of Trichostatin A and Bone Marrow-Derived Dendritic Cells on the Fatty Acid Metabolism of NIH3T3 Cells under Oxygen-Glucose Deprivation Conditions. <b>2021</b> , 20, 960-971	
936	<i>Moniliella spathulata</i> , an oil-degrading yeast, which promotes growth of barley in oil-polluted soil. <b>2021</b> , 105, 401-415	1
935	Transcriptome assisted label free proteomics of hepatic tissue in response to both dietary restriction and compensatory growth in cattle. <b>2021</b> , 232, 104048	1
934	Identification of Blood-Brain Barrier-Associated Proteins in the Human Brain. <b>2021</b> , 20, 531-537	1
933	Spatially Targeted Proteomics of the Host-Pathogen Interface during Staphylococcal Abscess Formation. <b>2021</b> , 7, 101-113	5

932	Comparison of quantitation methods in proteomics to define relevant toxicological information on AhR activation of HepG2 cells by BaP. <b>2021</b> , 448, 152652		7
931	Proteomics-Informed Identification of Luminal Targets For In Situ Diagnosis of Inflammatory Bowel Disease. <b>2021</b> , 110, 239-250		2
930	Antioxidant ability of glutaredoxins and their role in symbiotic nitrogen fixation in bv. 3841. <b>2020</b> ,		1
929	The ATPase ATP6V1A facilitates rabies virus replication by promoting virion uncoating and interacting with the viral matrix protein. <b>2021</b> , 296, 100096		4
928	Transcriptomic and Proteomic Analyses of and Reveal Parental Molecular Expression in the Pitchers of Their Hybrid, <b>2020</b> , 11, 625507		8
927	OpenProt 2021: deeper functional annotation of the coding potential of eukaryotic genomes. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D380-D388	20.1	17
926	Multimiomics Analysis Provides Insight into the Laboratory Evolution of toward the Metabolic Usage of Fluorinated Indoles. <b>2021</b> , 7, 81-92		8
925	Altered N-linked glycosylation in endometrial cancer. <b>2021</b> , 413, 2721-2733		4
924	Integrating Top-Down and Bottom-Up Mass Spectrometric Strategies for Proteomic Profiling of Iranian Saw-Scaled Viper, , Venom. <b>2021</b> , 20, 895-908		5
923	UFBP1, a key component in ufmylation, enhances drug sensitivity by promoting proteasomal degradation of oxidative stress-response transcription factor Nrf2. <b>2021</b> , 40, 647-662		3
922	Deletion of the deISGylating enzyme USP18 enhances tumour cell antigenicity and radiosensitivity. <b>2021</b> , 124, 817-830		8
921	Dynamics of an LPS translocon induced by substrate and an antimicrobial peptide. <b>2021</b> , 17, 187-195		18
920	Proteomic analysis of honey. Identification of unique peptide markers for authentication of NZ mānuka ( <i>Leptospermum scoparium</i> ) honey. <b>2021</b> , 350, 128442		7
919	Enhanced epigenetic profiling of classical human monocytes reveals a specific signature of healthy aging in the DNA methylome. <b>2021</b> , 1, 124-141		8
918	Proteomic Identification of <i>Coxiella burnetii</i> Effector Proteins Targeted to the Host Cell Mitochondria During Infection. <b>2020</b> , 20, 100005		2
917	The secretome of liver X receptor agonist-treated early outgrowth cells decreases atherosclerosis in Ldlr <sup>-/-</sup> mice. <b>2021</b> , 10, 479-491		3
916	Proteome Analysis Reveals a Significant Host-Specific Response in <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> Endosymbiotic Cells. <b>2020</b> , 20, 100009		2
915	From ArrayExpress to BioStudies. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D1502-D1506	20.1	16

914	MobiDB: intrinsically disordered proteins in 2021. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D361-D367	20.1	51
913	Growth hormone receptor knockout to reduce the size of donor pigs for preclinical xenotransplantation studies. <b>2021</b> , 28, e12664		10
912	Proteomic Profiling of Mitochondrial-Derived Vesicles in Brain Reveals Enrichment of Respiratory Complex Sub-assemblies and Small TIM Chaperones. <b>2021</b> , 20, 506-517		5
911	Activity-Based Protein Profiling of Chitin Catabolism. <b>2021</b> , 22, 717-723		3
910	Global Inventory of ClpP- and ClpX-Regulated Proteins in. <b>2021</b> , 20, 867-879		8
909	HYpro16: A Two-Proteome Mixture to Assess Interference in Isobaric Tag-Based Sample Multiplexing Experiments. <b>2021</b> , 32, 247-254		7
908	Hypoxia and Hypoxia-Inducible Factor-1 $\beta$ Regulate Endoplasmic Reticulum Stress in Nucleus Pulposus Cells: Implications of Endoplasmic Reticulum Stress for Extracellular Matrix Secretion. <b>2021</b> , 191, 487-502		5
907	Study of the venom proteome of <i>Vipera ammodytes ammodytes</i> (Linnaeus, 1758): A qualitative overview, biochemical and biological profiling. <b>2021</b> , 37, 100776		2
906	Proteomic analysis of extracellular vesicles and conditioned medium from human adipose-derived stem/stromal cells and dermal fibroblasts. <b>2021</b> , 232, 104069		5
905	<i>Litopenaeus vannamei</i> Notch interacts with COP9 signalosome complex subunit 1 (CNS1) to negatively regulate the NF- $\kappa$ B pathway. <b>2021</b> , 232, 104074		1
904	Quantitative analysis of proteins secreted by <i>Leishmania (Viannia) braziliensis</i> strains associated to distinct clinical manifestations of American Tegumentary Leishmaniasis. <b>2021</b> , 232, 104077		3
903	Tyrosine-EDC Conjugation, an Undesirable Side Effect of the EDC-Catalyzed Carboxyl Labeling Approach. <b>2021</b> , 93, 697-703		1
902	RNA-binding proteins La and HuR cooperatively modulate translation repression of PDCD4 mRNA. <b>2021</b> , 296, 100154		2
901	An endogenous PI3K interactome promoting astrocyte-mediated neuroprotection identifies a novel association with RNA-binding protein ZC3H14. <b>2021</b> , 296, 100118		1
900	Proteomics of Anatomical Sections of the Gut of -Infected Western Honeybee () Reveals Different Early Responses to spp. Isolates. <b>2021</b> , 20, 804-817		5
899	GENCODE 2021. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D916-D923	20.1	82
898	Detection and quantification of novel C-terminal TDP-43 fragments in ALS-TDP. <b>2021</b> , 31, e12923		6
897	<i>Dioscorea Alata</i> Tuber Proteome Analysis Uncovers Differentially Regulated Growth-associated Pathways of Tuber Development. <b>2021</b> , 62, 191-204		1

896	Proteomic analysis and biochemical alterations in marine mussel gills after exposure to the organophosphate flame retardant TDCPP. <b>2021</b> , 230, 105688	6
895	Mitochondrial Transcription Factor A Binds to and Promotes Mutagenic Transcriptional Bypass of -Alkylthymidine Lesions. <b>2021</b> , 93, 1161-1169	1
894	The mTOR regulated RNA-binding protein LARP1 requires PABPC1 for guided mRNA interaction. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 458-478	20.1 4
893	Phosphoproteomics identify arachidonic-acid-regulated signal transduction pathways modulating macrophage functions with implications for ovarian cancer. <b>2021</b> , 11, 1377-1395	6
892	Identification of Evolutionarily Conserved Nuclear Matrix Proteins and Their Prokaryotic Origins. <b>2021</b> , 20, 518-530	0
891	Integrating multi-omics data for crop improvement. <b>2021</b> , 257, 153352	24
890	Can cheese mites, maggots and molds enhance bioactivity? Peptidomic investigation of functional peptides in four traditional cheeses. <b>2021</b> , 12, 633-645	3
889	Single Mutation in the Gene Metabolically Reprograms Pulmonary Artery Smooth Muscle Cells. <b>2021</b> , 41, 734-754	2
888	Deviant proteome profile of equine granulocytes associates to latent activation status in organ specific autoimmune disease. <b>2021</b> , 230, 103989	5
887	The inflammatory response of the supraspinatus muscle in rotator cuff tear conditions. <b>2021</b> , 30, e261-e275	5
886	Dynamic 3D proteomes reveal protein functional alterations at high resolution in situ. <b>2021</b> , 184, 545-559.e22	28
885	Toxicogenomic fin(ger)prints for thyroid disruption AOP refinement and biomarker identification in zebrafish embryos. <b>2021</b> , 760, 143914	8
884	The canine activated platelet secretome (CAPS): A translational model of thrombin-evoked platelet activation response. <b>2021</b> , 5, 55-68	
883	Proximity-based proteomics reveals the thylakoid lumen proteome in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <b>2021</b> , 147, 177-195	2
882	PepS: An Innovative Microfluidic Device for Bedside Whole Blood Processing before Plasma Proteomics Analyses. <b>2021</b> , 93, 683-690	3
881	Fast Deisotoping Algorithm and Its Implementation in the MSFragger Search Engine. <b>2021</b> , 20, 498-505	8
880	Peptide Correlation Analysis (PeCorA) Reveals Differential Proteoform Regulation. <b>2021</b> , 20, 1972-1980	4
879	Anti-tumour immunity induces aberrant peptide presentation in melanoma. <b>2021</b> , 590, 332-337	28

878	ATP13A3 is a major component of the enigmatic mammalian polyamine transport system. <b>2021</b> , 296, 100182	17
877	SugarPy facilitates the universal, discovery-driven analysis of intact glycopeptides. <b>2020</b> ,	6
876	Proteomic analysis of mitochondrial biogenesis in cardiomyocytes differentiated from human induced pluripotent stem cells. <b>2021</b> , 320, R547-R562	5
875	Identification-Free Control over the Precursor Isotopic Mass Misassignment in Orbitrap-Based Proteomics. <b>2021</b> , 32, 218-224	1
874	Direct Acetonitrile-Assisted Trypsin Digestion Method Combined with LC-MS/MS-Targeted Peptide Analysis for Unambiguous Identification of Intact Ricin. <b>2021</b> , 20, 369-380	3
873	What Are We Missing by Using Hydrophilic Enrichment? Improving Bacterial Glycoproteome Coverage Using Total Proteome and FAIMS Analyses. <b>2021</b> , 20, 599-612	17
872	The Complexity and Dynamics of the Tissue Glycoproteome Associated With Prostate Cancer Progression. <b>2021</b> , 20, 100026	22
871	Tandem mass tag-labeled quantitative proteomic analysis of tenderloins between Tibetan and Yorkshire pigs. <b>2021</b> , 172, 108343	19
870	Whole-proteome analysis of mesonephric-derived cancers describes new potential biomarkers. <b>2021</b> , 108, 1-11	3
869	Thermal Proteome Profiling in Zebrafish Reveals Effects of Napabucasin on Retinoic Acid Metabolism. <b>2021</b> , 20, 100033	3
868	Transcriptomes of Major Proximal Tubule Cell Culture Models. <b>2021</b> , 32, 86-97	10
867	β-Barrels covalently link peptidoglycan and the outer membrane in the $\alpha$ -proteobacterium <i>Brucella abortus</i> . <b>2021</b> , 6, 27-33	14
866	Phosphorylation by Aurora B kinase regulates caspase-2 activity and function. <b>2021</b> , 28, 349-366	9
865	Integrated Glycoproteomics Identifies a Role of N-Glycosylation and Galectin-1 on Myogenesis and Muscle Development. <b>2020</b> , 20, 100030	13
864	Quantitative Data-Independent Acquisition Glycoproteomics of Sparkling Wine. <b>2020</b> , 20, 100020	5
863	SopB- and SifA-dependent shaping of the <i>Salmonella</i> -containing vacuole proteome in the social amoeba <i>Dictyostelium discoideum</i> . <b>2021</b> , 23, e13263	1
862	Novel serine/threonine-O-glycosylation with N-acetylneuraminic acid and 3-deoxy-D-manno-octulosonic acid by bacterial flagellin glycosyltransferases. <b>2021</b> , 31, 288-306	3
861	Neuronal Differentiation of LUHMES Cells Induces Substantial Changes of the Proteome. <b>2021</b> , 21, e2000174	6



860	CIITA-Transduced Glioblastoma Cells Uncover a Rich Repertoire of Clinically Relevant Tumor-Associated HLA-II Antigens. <b>2021</b> , 20, 100032	4
859	Bacnet: a user-friendly platform for building multi-omics websites. <b>2021</b> , 37, 1335-1336	1
858	Quantitative proteomics reveals stage-specific protein regulation of triple negative breast cancer. <b>2021</b> , 185, 39-52	4
857	Proteome specialization of anaerobic fungi during ruminal degradation of recalcitrant plant fiber. <b>2021</b> , 15, 421-434	17
856	Solute carrier family 12 member 2 as a proteomic and histological biomarker of dysplasia and neoplasia in ulcerative colitis. <b>2020</b> ,	0
855	Optimization of a Top-Down Proteomics Platform for Closely Related Pathogenic Bacterial Discrimination. <b>2021</b> , 20, 202-211	10
854	Proteomic analysis of secretomes from sp. AR03: characterization of enzymatic cocktails active on complex carbohydrates for xylooligosaccharides production. <b>2021</b> , 51, 871-880	0
853	Increased Wheat Protein Content via Introgression of an HMW Glutenin Selectively Reshapes the Grain Proteome. <b>2021</b> , 20, 100097	1
852	Bioinformatics: new tools and applications in life science and personalized medicine. <b>2021</b> , 105, 937-951	4
851	Comprehensive multi-omics study of the molecular perturbations induced by simulated diabetes on coronary artery endothelial cells.	
850	Transcriptomic and proteomic profiling revealed reprogramming of carbon metabolism in acetate-grown human pathogen <i>Candida glabrata</i> . <b>2021</b> , 28, 1	5
849	<i>Streptococcus suis</i> encodes multiple allelic variants of a phase-variable Type III DNA methyltransferase, ModS, that control distinct phasevarions.	
848	Chronic pain susceptibility is associated with anhedonic behavior and alterations in the accumbal ubiquitin-proteasome system. <b>2021</b> , 162, 1722-1731	1
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625	Quantitative proteomics to study aging in rabbit spleen tissues. <b>2022</b> , 167, 111908	0
624	Mechanism of apoptosis activation by Curcumin rescued mutant p53Y220C in human pancreatic cancer. <b>2022</b> , 1869, 119343	1
623	PIM1 promotes hepatic conversion by suppressing reprogramming-induced ferroptosis and cell cycle arrest. <b>2022</b> , 13,	0
622	Is Gigartina a potential source of food protein and functional peptide-based ingredients? Evaluating an industrial, pilot-scale extract by proteomics and bioinformatics. <b>2022</b> , 100189	1
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620	Tensin3 interaction with talin drives the formation of fibronectin-associated fibrillar adhesions. <b>2022</b> , 221,	2
619	MeCP2 heterochromatin organization is modulated by arginine methylation and serine phosphorylation. 10,	0
618	Global profiling of the RNA and protein complexes of <i>Escherichia coli</i> by size exclusion chromatography followed by RNA sequencing and mass spectrometry (SEC-seq).	0
617	Proteomic Analysis of HCC-1954 and MCF-7 Cell Lines Highlights Crosstalk between $\beta$ and $\gamma$ Integrins, E-Cadherin and HER-2. <b>2022</b> , 23, 10194	0
616	Quantitative proteome profiling reveals molecular hallmarks of egg quality in Atlantic halibut: impairments of transcription and protein folding impede protein and energy homeostasis during early development. <b>2022</b> , 23,	0
615	Optimizing data points per protein increases protein identifications while maintaining quantitative precision in short gradient data-independent acquisition proteomics.	0
614	The INSR/AKT/mTOR pathway regulates the pace of myogenesis in a syndecan-3-dependent manner. <b>2022</b> ,	0
613	Quantitative proteomics identifies reduced NRF2 activity and mitochondrial dysfunction in Atopic Dermatitis. <b>2022</b> ,	1
612	Effect of dietary Spirulina ( <i>Arthrospira platensis</i> ) on the intestinal function of post-weaned piglet: An approach combining proteomics, metabolomics and histological studies. <b>2022</b> , 269, 104726	0
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610	Direct proteomic and high-resolution microscopy biopsy analysis identifies distinct ventricular fates in severe aortic stenosis. <b>2022</b> , 173, 1-15	2
609	Engineering microbial biofactories for a sustainable future. <b>2023</b> , 25-58	0

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607	Single-Cell Mass Spectrometry of Metabolites and Proteins for Systems and Functional Biology. <b>2022</b> , 87-114	0
606	Bordetella pertussis outer membrane vesicles as virulence factor vehicles that influence bacterial interaction with macrophages. <b>2022</b> , 80,	0
605	Quantitative Detection of Protein Splice Variants by Selected Reaction Monitoring (SRM) Mass Spectrometry. <b>2022</b> , 231-246	0
604	Omics in saffron (Crocus sativus L.): A spice of immense medicinal value. <b>2022</b> , 573-587	2
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602	Tear proteomic analysis of young glasses, orthokeratology, and soft contact lens wearers. <b>2023</b> , 270, 104738	0
601	Fate and PPAR $\alpha$ and STATs-driven effects of the mitochondrial complex I inhibitor tebufenpyrad in liver cells revealed with multi-omics. <b>2023</b> , 442, 130083	0
600	Serum and urine profiling by high-throughput TMT-based proteomics for the investigation of renal dysfunction in canine babesiosis. <b>2023</b> , 270, 104735	0
599	Circuit-wide proteomics profiling reveals brain region-specific protein signatures in the male WKY rats with endogenous depression. <b>2023</b> , 320, 98-107	0
598	VRK1 as a synthetic lethal target in VRK2-methylated cancers of the nervous system.	0
597	Identification of Src Family Kinases as Potential Therapeutic Targets for Chemotherapy-Resistant Triple Negative Breast Cancer. <b>2022</b> , 14, 4220	0
596	The Immunological Proteome Resource.	1
595	Exosome Proteomics Reveals the Deregulation of Coagulation, Complement and Lipid Metabolism Proteins in Gestational Diabetes Mellitus. <b>2022</b> , 27, 5502	0
594	Structural basis for antagonism of the ubiquitin ligase BIRC6 by SMAC.	0
593	Protein Succinylation and Malonylation as Potential Biomarkers in Schizophrenia. <b>2022</b> , 12, 1408	0
592	In vivo quantitative high-throughput screening for drug discovery and comparative toxicology.	0
591	Lack of a Zn/Co substitution ability in the polar diatom Chaetoceros neogracile RS19. <b>2022</b> , 67, 2265-2280	0

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589	Toolkit of Approaches To Support Target-Focused Drug Discovery for Plasmodium falciparum Lysyl tRNA Synthetase. <b>2022</b> , 8, 1962-1974	0
588	The UIP/IPF fibroblastic focus is a collagen biosynthesis factory embedded in a distinct extracellular matrix. <b>2022</b> , 7,	1
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586	A High-Throughput Search for SFXN1 Physical Partners Led to the Identification of ATAD3, HSD10 and TIM50. <b>2022</b> , 11, 1298	0
585	Three-Dimensional Envelope and Subunit Interactions of the Plastid-Encoded RNA Polymerase from <i>Sinapis alba</i> . <b>2022</b> , 23, 9922	0
584	Coupling High-Field Asymmetric Ion Mobility Spectrometry with Capillary Electrophoresis-Electrospray Ionization-Tandem Mass Spectrometry Improves Protein Identifications in Bottom-Up Proteomic Analysis of Low Nanogram Samples. <b>2022</b> , 21, 2453-2461	1
583	The role of extracellular vesicle miRNAs and tRNAs in synovial fibroblast senescence. 9,	0
582	<i>Cryptococcus neoformans</i> releases proteins during intracellular residence that affect the outcome of the fungal-macrophage interaction..	0
581	A common vesicle proteome drives fungal biofilm development. <b>2022</b> , 119,	0
580	Comprehensive comparison between azacytidine and decitabine treatment in an acute myeloid leukemia cell line. <b>2022</b> , 14,	0
579	Histidine kinase inhibitors impair shoot regeneration in <i>Arabidopsis thaliana</i> via cytokinin signaling and SAM patterning determinants. 13,	0
578	Human Cytomegalovirus Modifies Placental Small Extracellular Vesicle Composition to Enhance Infection of Fetal Neural Cells In Vitro. <b>2022</b> , 14, 2030	1
577	Enrichment and proteomic identification of <i>Cryptosporidium parvum</i> oocyst wall. <b>2022</b> , 15,	1
576	Microscopic and biochemical monitoring of endosomal trafficking and extracellular vesicle secretion in an endogenous in vivo model. <b>2022</b> , 11, 12263	0
575	Recombinant Thaumatin-Like Protein (rTLP) and Chitinase (rCHI) from <i>Vitis vinifera</i> as Models for Wine Haze Formation. <b>2022</b> , 27, 6409	2
574	Crenigacestat (LY3039478) inhibits osteogenic differentiation of human valve interstitial cells from patients with aortic valve calcification in vitro. 9,	1
573	Exploration of nuclear body-enhanced sumoylation reveals that PML represses 2-cell features of embryonic stem cells. <b>2022</b> , 13,	0



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565	A multiplexed parallel reaction monitoring assay to monitor bovine pregnancy-associated glycoproteins throughout pregnancy and after gestation. <b>2022</b> , 17, e0271057	0
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563	Investigation of metabolic crosstalk between host and pathogenic <i>Clostridioides difficile</i> via multiomics approaches. 10,	0
562	Changes in the proteome and secretome of rat liver sinusoidal endothelial cells during early primary culture and effects of dexamethasone. <b>2022</b> , 17, e0273843	0
561	A Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Assay Identifies Nilotinib as an Inhibitor of Inflammation in Acute Myeloid Leukemia. <b>2022</b> , 65, 12014-12030	0
560	Identification of neoantigens in esophageal adenocarcinoma.	0
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558	A specific role for importin-5 and NASP in the import and nuclear hand-off of monomeric H3. 11,	1
557	Dynamic regulation of the transcriptome and proteome of the equine embryo during maternal recognition of pregnancy.	0
556	Phosphorylation of the receptor protein Pex5p modulates import of proteins into peroxisomes. <b>2022</b> ,	0
555	The non-glycosylated protein of <i>Toxocara canis</i> MUC-1 interacts with proteins of murine macrophages. <b>2022</b> , 16, e0010734	0

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552	Quantitative Phosphoproteomics and Acetylomics of Safranal Anticancer Effects in Triple-Negative Breast Cancer Cells.	0
551	A mechanism for oxidative damage repair at gene regulatory elements. <b>2022</b> , 609, 1038-1047	1
550	CLN3 is required for the clearance of glycerophosphodiester from lysosomes. <b>2022</b> , 609, 1005-1011	4
549	Proteome Analysis of Swine Macrophages after Infection with Two Genotype II African Swine Fever Isolates of Different Pathogenicity. <b>2022</b> , 14, 2140	0
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544	Mitochondrial interactome quantitation reveals structural changes in metabolic machinery in the failing murine heart. <b>2022</b> , 1, 855-866	1
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542	Operation of a TCA cycle subnetwork in the mammalian nucleus. <b>2022</b> , 8,	0
541	qPTM: an updated database for PTM dynamics in human, mouse, rat and yeast.	1
540	The Amino Acid Homoarginine Inhibits Atherogenesis by Modulating T-Cell Function. <b>2022</b> , 131, 701-712	0
539	The low-density lipoprotein receptor $\beta$ /TORC1 axis coordinates CD8+ T cell activation. <b>2022</b> , 221,	0
538	Ketogenic diet uncovers differential metabolic plasticity of brain cells. <b>2022</b> , 8,	0
537	O-GlcNAcylation enhances CPS1 catalytic efficiency for ammonia and promotes ureagenesis. <b>2022</b> , 13,	1

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534	In-depth proteomic analysis reveals unique subtype-specific signatures in human small-cell lung cancer. <b>2022</b> , 12,	0
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532	Targeted Quantitative Profiling of Epitranscriptomic Reader, Writer, and Eraser Proteins Using Stable Isotope-Labeled Peptides. <b>2022</b> , 94, 12559-12564	0
531	De novo protein identification in mammalian sperm using high-resolution in situ cryo-electron tomography.	1
530	Structure-function analysis of enterovirus protease 2A in complex with its essential host factor SETD3. <b>2022</b> , 13,	0
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525	Cardiac Alarmins as Residual Risk Markers of Atherosclerosis under Hypolipidemic Therapy. <b>2022</b> , 23, 11174	0
524	A regulatory network comprising let-7 miRNA and SMUG1 is associated with good prognosis in ER+ breast tumours.	0
523	Mitochondrial E3 ubiquitin ligase MARCHF5 controls BAK apoptotic activity independently of BH3-only proteins.	0
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521	Quantitative phosphoproteomics analysis uncovers PAK2 and CDK1 mediated malignant signaling pathways in clear cell Renal Cell Carcinoma. <b>2022</b> , 100417	0
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519	The Musashi proteins direct post-transcriptional control of protein expression and alternate exon splicing in vertebrate photoreceptors. <b>2022</b> , 5,	0

518	Spermidine-mediated hypusination of translation factor EIF5A improves mitochondrial fatty acid oxidation and prevents non-alcoholic steatohepatitis progression. <b>2022</b> , 13,	3
517	Quantitative proteomics of small numbers of closely-related cells: Selection of the optimal method for a clinical setting. 9,	1
516	Molecular architecture of the augmin complex. <b>2022</b> , 13,	0
515	Strategies to inhibit FGFR4 V550L-driven rhabdomyosarcoma.	0
514	Alternative proteoforms and proteoform-dependent assemblies in humans and plants.	0
513	A massively parallel reporter assay reveals focused and broadly encoded RNA localization signals in neurons.	1
512	The evolutionary conserved proteins CEP90, FOPNL, and OFD1 recruit centriolar distal appendage proteins to initiate their assembly. <b>2022</b> , 20, e3001782	0
511	The adipocyte-enriched secretory protein tetranectin exacerbates type 2 diabetes by inhibiting insulin secretion from $\beta$ cells. <b>2022</b> , 8,	0
510	Proteomic analysis of rat colonic mucosa following acupuncture treatment for irritable bowel syndrome with diarrhea. <b>2022</b> , 17, e0273853	0
509	Spatially variant immune infiltration scoring in human cancer tissues. <b>2022</b> , 6,	0
508	A deep-sea sulfate-reducing bacterium generates zero-valent sulfur via metabolizing thiosulfate. <b>2022</b> , 1, 257-271	0
507	Proteotype coevolution and quantitative diversity across 11 mammalian species. <b>2022</b> , 8,	1
506	Complement membrane attack complex is an immunometabolic regulator of NLRP3 activation and IL-18 secretion in human macrophages. 13,	0
505	Bacillus subtilis remains translationally active after CRISPRi-mediated replication initiation arrest.	0
504	Improving Peptide-Level Mass Spectrometry Analysis via Double Competition. <b>2022</b> , 21, 2412-2420	0
503	A phosphoinositide signalling pathway mediates rapid lysosomal repair. <b>2022</b> , 609, 815-821	7
502	Proteomic changes associated with maternal dietary low $\beta$ : $\alpha$ ratio in piglets supplemented with seaweed part II: ileum proteomes. <b>2022</b> , 104739	0
501	Visualizing maturation factor extraction from the nascent ribosome by the AAA-ATPase Drg1. <b>2022</b> , 29, 942-953	0

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499	N-terminal acetylation shields proteins from degradation and promotes age-dependent motility and longevity.	0
498	Group-walk: a rigorous approach to group-wise false discovery rate analysis by target-decoy competition. <b>2022</b> , 38, ii82-ii88	0
497	Distinct mRNA and protein interactomes highlight functional differentiation of major eIF4F-like complexes from <i>Trypanosoma brucei</i> . 9,	0
496	Ena/VASP proteins at the crossroads of actin nucleation pathways in dendritic cell migration. 10,	0
495	Semi-supervised machine learning for sensitive open modification spectral library searching.	0
494	iBench: A ground truth approach for advanced validation of mass spectrometry identification method. 2200271	0
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492	Crotonylation versus acetylation in petunia corollas with reduced acetyl-CoA due to PaACL silencing.	0
491	Robust and easy-to-use one pot workflow for label free single cell proteomics.	0
490	Signaling snapshots of a serotonin receptor activated by the prototypical psychedelic LSD. <b>2022</b> , 110, 3154-3167.e7	1
489	Peptide mapping of proteins by capillary electromigration methods.	1
488	Differential nuclear import sets the timing of protein access to the embryonic genome. <b>2022</b> , 13,	1
487	Structural Analysis of Phosphorylation Proteoforms in a Dynamic Heterogeneous System Using Flash Oxidation Coupled In-Line with Ion Exchange Chromatography.	0
486	On-capillary Cell Lysis Enables Top-down Proteomic Analysis of Single Mammalian Cells by CE-MS/MS.	2
485	Inhibition of mTOR signaling protects human glioma cells from hypoxia-induced cell death in an autophagy-independent manner. <b>2022</b> , 8,	1
484	Vascular smooth muscle RhoA counteracts abdominal aortic aneurysm formation by modulating MAP4K4 activity. <b>2022</b> , 5,	1
483	Prion-like low complexity regions enable avid virus-host interactions during HIV-1 infection. <b>2022</b> , 13,	0

482	Thermosensation in <i>Caenorhabditis elegans</i> is linked to ubiquitin-dependent protein turnover via insulin and calcineurin signalling. <b>2022</b> , 13,	0
481	Temporal Extracellular Vesicle Protein Changes following Intraarticular Treatment with Integrin $\alpha 5 \beta 1$ -selected Mesenchymal Stem Cells in Equine Osteoarthritis.	0
480	Proteomics profile of mesenchymal stromal cells and extracellular vesicles in normoxic and hypoxic conditions. <b>2022</b> ,	0
479	The solution structure of Dead End bound to AU-rich RNA reveals an unusual mode of tandem RRM-RNA recognition required for mRNA regulation. <b>2022</b> , 13,	1
478	MICAL1 activation by PAK1 mediates actin filament disassembly. <b>2022</b> , 41, 111442	2
477	Unified and standardized mass spectrometry data processing in Python using spectrum_utils.	0
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475	Acetylation and phosphorylation changes to cardiac proteins in experimental HFpEF due to metabolic risk reveal targets for treatment. <b>2022</b> , 309, 120998	0
474	Immunopeptidome of hepatocytes isolated from patients with HBV infection and hepatocellular carcinoma. <b>2022</b> , 4, 100576	1
473	Effects of short-term hyposalinity stress on four commercially important bivalves: A proteomic perspective. <b>2022</b> , 215, 114371	0
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471	A Pipeline for Peptide Detection Using Multiple Decoys. <b>2023</b> , 25-34	0
470	Alignstein: Optimal transport for improved LC-MS retention time alignment. <b>2022</b> , 11,	1
469	Divergent polo boxes in KKT2 and KKT3 initiate the kinetochore assembly cascade in <i>Trypanosoma brucei</i> .	0
468	Desmin Knock-Out Cardiomyopathy: A Heart on the Verge of Metabolic Crisis. <b>2022</b> , 23, 12020	1
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466	KAT2-mediated acetylation switches the mode of PALB2 chromatin association to safeguard genome integrity. 11,	0
465	Identification of Arginine Phosphorylation in <i>Mycobacterium smegmatis</i> . <b>2022</b> , 10,	1

464	A high-content endogenous GLUT4 trafficking assay reveals new aspects of adipocyte biology. <b>2023</b> , 6, e202201585	0
463	Resistance to ATR Inhibitors Is Mediated by Loss of the Nonsense-Mediated Decay Factor UPF2. <b>2022</b> , 82, 3950-3961	0
462	Phospho heavy-labeled-spikeptide FAIMS stepped-CV DDA (pHASED) provides real-time phosphoproteomics data to aid in cancer drug selection.	0
461	Depletion of ALMS1 affects TGF- $\beta$ signalling pathway and downstream processes such as cell migration and adhesion capacity. 9,	0
460	Transcriptomic and proteomic profiling of Nav1.8-expressing mouse nociceptors. 15,	0
459	The E2F4/p130 repressor complex cooperates with oncogenic Np73 $\beta$ to promote cell survival in human papillomavirus 38 E6/E7-transformed keratinocytes and in cancer cells.	0
458	Open modification searching of SARS-CoV-2 human protein interaction data reveals novel viral modification sites. <b>2022</b> , 100425	2
457	Single-cell transcriptomics and deep tissue proteomics reveal distinct tumour microenvironment present in stage-I and II cervical cancer.	0
456	Chromatin remodeling is required for sRNA -guided DNA elimination in Paramecium.	0
455	Lipid and protein content profiling of isolated native autophagic vesicles.	2
454	Protein Data Bank: A Comprehensive Review of 3D Structure Holdings and Worldwide Utilization by Researchers, Educators, and Students. <b>2022</b> , 12, 1425	0
453	Off-the-shelf proximity biotinylation using ProtA-TurboID.	0
452	Statistical Evaluation of Metaproteomics and 16S rRNA Amplicon Sequencing Techniques for Study of Gut Microbiota Establishment in Infants with Cystic Fibrosis.	0
451	SpinTip: A Simple, Robust, and Versatile Preanalytical Method for Microscale Suspension Cell Proteomics.	0
450	Structural and Functional Analysis of Peptides Derived from KEX2-Processed Repeat Proteins in Agaricomycetes Using Reverse Genetics and Peptidomics.	0
449	The E3 ubiquitin ligase RNF115 regulates phagosome maturation and host response to bacterial infection.	1
448	Multomics Profiling of Toxins in the Venom of the Amazonian Spider <i>Acanthoscurria juruencicola</i> .	0
447	Cancer-associated Notch receptor variants lead to O-fucosylation defects that deregulate Notch signaling. <b>2022</b> , 102616	0

446	Small Extracellular Vesicles from Hypoxic Triple-Negative Breast Cancer Cells Induce Oxygen-Dependent Cell Invasion. <b>2022</b> , 23, 12646	0
445	MSBooster: Improving Peptide Identification Rates using Deep Learning-Based Features.	1
444	An expanded proteomic survey of the human parasite <i>Leishmania major</i> focusing on changes in null mutants of the Golgi GDP-Mannose/Fucose/Arabinopyranosyltransferase LPG2 or the mitochondrial fucosyltransferase FUT1.	0
443	Impaired amino acid uptake leads to global metabolic imbalance of <i>Candida albicans</i> biofilms. <b>2022</b> , 8,	0
442	Glomerular proteomic profiling of kidney biopsies with hypertensive nephropathy reveals a signature of disease progression.	0
441	Novel Insights into Redox-Based Mechanisms for Auranofin-Induced Rapid Cancer Cell Death. <b>2022</b> , 14, 4864	2
440	Expression Profiles of Kidney Mitochondrial Proteome during the Progression of the Unilateral Ureteral Obstruction: Focus on Energy Metabolism Adaptions. <b>2022</b> , 12, 936	0
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438	Novel Deep Eutectic Solvent-Based Protein Extraction Method for Pottery Residues and Archeological Implications.	0
437	Interactome analysis identifies MSMEI_3879 as a substrate of <i>Mycobacterium smegmatis</i> ClpC1.	0
436	Profound Effects of Dexamethasone on the Immunological State, Synthesis and Secretion Capacity of Human Testicular Peritubular Cells. <b>2022</b> , 11, 3164	0
435	The Autophagy Receptor TAX1BP1 ( T6BP ) improves antigen presentation by MHC-II molecules.	1
434	Combining mass spectrometry and machine learning to discover bioactive peptides. <b>2022</b> , 13,	0
433	Nonionic surfactants can modify the thermal stability of globular and membrane proteins interfering with the thermal proteome profiling principles to identify protein targets.	0
432	Immunopeptidomics-based design of mRNA vaccine formulations against <i>Listeria monocytogenes</i> . <b>2022</b> , 13,	2
431	Plant autophagosomes mature into amphisomes prior to their delivery to the central vacuole. <b>2022</b> , 221,	0
430	The metabolite-controlled ubiquitin conjugase Ubc8 promotes mitochondrial protein import. <b>2023</b> , 6, e202201526	0
429	The Proteomic and Transcriptomic Landscapes Altered by Rgg2/3 Activity in <i>Streptococcus pyogenes</i> .	0



428	Assessing the effects of Leishmania (Leishmania) infantum and L. (L.) amazonensis infections in macrophages using a quantitative proteome approach. <b>2022</b> , 108413	1
427	Responses of carbapenemase-producing and non-producing carbapenem-resistant <i>Pseudomonas aeruginosa</i> strains to meropenem revealed by quantitative tandem mass spectrometry proteomics.	0
426	Preserving the Phosphoproteome of Clinical Biopsies Using a Quick-Freeze Collection Device. <b>2022</b> , 20, 436-445	0
425	The Middle Eastern Cousin: Comparative Venomics of <i>Daboia palaestinae</i> and <i>Daboia russelii</i> . <b>2022</b> , 14, 725	0
424	Different biological effects of exposure to far-UVC (222 nm) and near-UVC (254 nm) irradiation.	0
423	Domino-like Effect of C112R Mutation on APOE4 Aggregation and Its Suppression by Alzheimer's Disease Drug Candidate.	0
422	Synthetic antibody-derived immunopeptide provides neuroprotection in glaucoma through molecular interaction with retinal protein histone H3.1. 9,	0
421	Discovery and characterization of a new class of O-linking oligosaccharyltransferases from the Moraxellaceae family.	0
420	Proteomic identification and structural basis for the interaction between sorting nexin SNX17 and PDLIM family proteins. <b>2022</b> ,	0
419	In-depth characterization of the <i>Clostridioides difficile</i> phosphoproteome to identify Ser/Thr kinase substrates. <b>2022</b> , 100428	1
418	Shotgun Proteomics-based distinctive fingerprint of buffalo sperm surface unravels over-representation of proteins driving spermatogenesis, motility, and fertility.	0
417	Evolutionary impact of codon specific translation errors at the proteome scale.	0
416	Discovery of Molecular Networks of Neuroprotection Conferred by Brahmi Extract in A $\beta$ 42-Induced Toxicity Model of <i>Drosophila melanogaster</i> Using a Quantitative Proteomic Approach.	1
415	An apical membrane complex for triggering rhoptry exocytosis and invasion in <i>Toxoplasma</i> .	0
414	Disease-associated mutations in WDR34 lead to diverse impacts on the assembly and function of dynein-2.	0
413	Hepatic urea, creatinine and uric acid metabolism in dairy cows with divergent milk urea concentrations. <b>2022</b> , 12,	0
412	Comparative transcriptome and proteome analyses of the longissimus dorsi muscle for explaining the difference between donkey meat and other meats. 1-14	0
411	Multomics surface receptor profiling of the NCI-60 tumor cell panel uncovers novel theranostics for cancer immunotherapy. <b>2022</b> , 22,	0

410	Multigenerational effect of heat stress on the <i>Drosophila melanogaster</i> sperm proteome.	0
409	A positive feedback loop mediates crosstalk between calcium, cyclic nucleotide and lipid signalling in calcium-induced <i>Toxoplasma gondii</i> egress. <b>2022</b> , 18, e1010901	0
408	Unfolded protein response IRE1 / XBP1 signaling is required for healthy mammalian brain aging.	1
407	Reduction of heat stress pressure and activation of PSII repairing system are crucial for citrus tolerance to multiple abiotic stress combination.	0
406	The oncogenic fusion protein DNAJB1-PRKACA can be specifically targeted by peptide-based immunotherapy in fibrolamellar hepatocellular carcinoma. <b>2022</b> , 13,	0
405	Hermansky-Pudlak syndrome type 1 causes impaired anti-microbial immunity and inflammation due to dysregulated immunometabolism.	0
404	Predictive evolution of metabolic phenotypes using model-designed environments. <b>2022</b> , 18,	0
403	Guidance landscapes unveiled by quantitative proteomics to control reinnervation in adult visual system. <b>2022</b> , 13,	0
402	inSPIRE: An open-source tool for increased mass spectrometry identification rates using ProSIT spectral prediction. <b>2022</b> , 100432	0
401	Characterization of peptide-protein relationships in protein ambiguity groups via bipartite graphs. <b>2022</b> , 17, e0276401	0
400	The histone methyltransferase DOT1L regulates chromatin reorganization and gene expression during the postmeiotic differentiation of male germ cells.	0
399	Global profiling of the RNA and protein complexes of <i>Escherichia coli</i> by size exclusion chromatography followed by RNA sequencing and mass spectrometry (SEC-seq). rna.079439.122	0
398	Targeting of Scavenger Receptors Stabilin-1 and Stabilin-2 Ameliorates Atherosclerosis by a Plasma Proteome Switch Mediating Monocyte/Macrophage Suppression.	1
397	Genome-wide base editor screen identifies regulators of protein abundance in yeast. 11,	1
396	Re-analysis of ProteomicsDB using an accurate, sensitive and scalable false discovery rate estimation approach for protein groups. <b>2022</b> , 100437	2
395	Novel Venetin-1 nanoparticle from earthworm coelomic fluid as a promising agent for the treatment of non-small cell lung cancer. <b>2022</b> , 12,	0
394	HIF1 $\beta$ AS1 is a DNA:DNA:RNA triplex-forming lncRNA interacting with the HUSH complex. <b>2022</b> , 13,	2
393	Spatially resolved phosphoproteomics reveals fibroblast growth factor receptor recycling-driven regulation of autophagy and survival. <b>2022</b> , 13,	0

392	TMBIM5 is the Ca <sup>2+</sup> /H <sup>+</sup> antiporter of mammalian mitochondria.	0
391	Loss of the centrosomal protein ALMS1 alters lipid metabolism and the regulation of extracellular matrix-related processes.	0
390	Mitochondrial Aconitase ACO2 Links Iron Homeostasis with Tumorigenicity in Non-Small Cell Lung Cancer. OF1-OF15	0
389	Extracellular vesicles derived from the choroid plexus trigger the differentiation of neural stem cells. <b>2022</b> , 11, 12276	0
388	A comparative proteomics analysis identified differentially expressed proteins in pancreatic cancer-associated stellate cell small extracellular vesicles. <b>2022</b> , 100438	0
387	Biomarker metaproteomics for relative taxa abundances across soil organisms. <b>2022</b> , 175, 108861	0
386	Enhanced drug delivery by a prodrug approach effectively relieves neuroinflammation in mice. <b>2022</b> , 310, 121088	0
385	Thermal acclimation results in persistent phosphoproteome changes in the freshwater planarian <i>Crenobia alpina</i> (Tricladida: Planariidae). <b>2022</b> , 110, 103367	0
384	Deep Proteome Profiling with Reduced Carryover Using Superficially Porous Microfabricated nanoLC Columns.	2
383	Mitochondrial membrane proteins and VPS35 orchestrate selective removal of mtDNA. <b>2022</b> , 13,	1
382	Pattern Recognition for Mass-Spectrometry-Based Proteomics.	0
381	Massive proteogenomic reanalysis of publicly available proteomic datasets of human tissues in search for protein recoding via adenosine-to-inosine RNA editing.	0
380	Alveolar epithelial cells are competent producers of interstitial extracellular matrix with disease relevant plasticity in a human in vitro 3D model.	0
379	Aberrant N-glycolylneuraminic acid in breast MCF-7 cancer cells and cancer stem cells. 9,	0
378	Systematic tissue annotations of genomics samples by modeling unstructured metadata. <b>2022</b> , 13,	0
377	Insights into complex I assembly: Function of NDUFAF1 and a link with cardiolipin remodeling. <b>2022</b> , 8,	0
376	Proximity labeling facilitates defining the proteome neighborhood of photosystem II oxygen evolution complex in a model cyanobacterium. <b>2022</b> , 100440	0
375	Rad regulation of CaV1.2 channels controls cardiac fight-or-flight response.	2

374	Bassoon contributes to tau-seed propagation and neurotoxicity.	1
373	TENT5 cytoplasmic noncanonical poly(A) polymerases regulate the innate immune response in animals. <b>2022</b> , 8,	1
372	SMA-linked SMN mutants prevent phase separation properties and SMN interactions with FMRP family members. <b>2023</b> , 6, e202201429	1
371	USP18 is an essential regulator of muscle cell differentiation and maturation.	0
370	Immunopeptidomic Analysis of BoLA-I and BoLA-DR Presented Peptides from Theileria parva Infected Cells. <b>2022</b> , 10, 1907	0
369	A Cyanophage MarR-Type Transcription Factor Regulates Host RNase E Expression during Infection. <b>2022</b> , 10, 2245	0
368	Post-GWAS multiomic functional investigation of the TNIP1 locus in Alzheimer's disease implicates mediation through GPX3.	0
367	The Effects of Silencing PTX3 on the Proteome of Human Endothelial Cells. <b>2022</b> , 23, 13487	1
366	Mitochondrial Fission Process 1 controls inner membrane integrity and protects against heart failure. <b>2022</b> , 13,	0
365	Combating Drug Resistance by Exploiting miRNA-200c-Controlled Phase II Detoxification. <b>2022</b> , 14, 5554	0
364	Connecting multiple microenvironment proteomes uncovers the biology in head and neck cancer. <b>2022</b> , 13,	0
363	Architecture of the outbred brown fat proteome defines regulators of metabolic physiology. <b>2022</b> ,	1
362	Microglial TNF $\alpha$ orchestrates protein phosphorylation in the cortex during the sleep period and controls homeostatic sleep.	0
361	Global profiling of the proteomic changes associated with the post-testicular maturation of mouse spermatozoa. <b>2022</b> , 41, 111655	0
360	SILAC-based quantitative proteomics and microscopy analysis of cancer cells treated with the N-glycolyl GM3-specific anti-tumor antibody 14F7. 13,	0
359	Label-free quantitative proteomics and immunoblotting identifies immunoreactive and other excretory-secretory (E/S) proteins of Anoplocephala perfoliata. 13,	0
358	An extracellular receptor tyrosine kinase motif orchestrating intracellular STAT activation. <b>2022</b> , 13,	0
357	Cortical Pathology in Vanishing White Matter. <b>2022</b> , 11, 3581	0

356	Proteomic analysis identifies a signature of disease severity in the plasma of COVID-19 pneumonia patients associated to neutrophil, platelet and complement activation. <b>2022</b> , 19,	1
355	Three types of <i>Leishmania mexicana</i> amastigotes: Proteome comparison by quantitative proteomic analysis. <b>2022</b> ,	0
354	Chemoproteomic profiling to identify activity changes and functional inhibitors of DNA-binding proteins. <b>2022</b> ,	0
353	Unscheduled DNA replication in G1 causes genome instability and damage signatures indicative of replication collisions. <b>2022</b> , 13,	0
352	Increased soluble HLA in COVID-19 present a disease-related, diverse immunopeptidome associated with T cell immunity. <b>2022</b> , 105643	0
351	Omics-based analysis of honey bee ( <i>Apis mellifera</i> ) response to <i>Varroa</i> sp. parasitisation and associated factors reveals changes impairing winter bee generation. <b>2022</b> , 103877	0
350	Expanded Proteomic Survey of the Human Parasite <i>Leishmania major</i> Focusing on Changes in Null Mutants of the Golgi GDP-Mannose/Fucose/Arabinopyranose Transporter LPG2 and of the Mitochondrial Fucosyltransferase FUT1.	0
349	Structure and dynamics of human perilipin 3 membrane association.	0
348	Proteomics uncover EPHA2 as a potential novel therapeutic target in colorectal cancer cell lines with acquired cetuximab resistance.	0
347	BtuB TonB-dependent transporters and BtuG surface lipoproteins form stable complexes for vitamin B12 uptake in gut Bacteroides.	0
346	PCRCR complex is essential for invasion of human erythrocytes by <i>Plasmodium falciparum</i> .	0
345	Genomic ancestry, diet and microbiomes of Upper Palaeolithic hunter-gatherers from San Teodoro cave. <b>2022</b> , 5,	0
344	<i>Actinobacillus pleuropneumoniae</i> encodes multiple phase-variable DNA methyltransferases that comprise distinct phasevarions.	0
343	Impact of inherent biases built into proteomic techniques: Proximity labeling and affinity capture compared. <b>2022</b> , 102726	0
342	Multidimensional separation and analysis of alpha-1-acid glycoprotein N-glycopeptides using high-field asymmetric waveform ion mobility spectrometry (FAIMS) and nano-liquid chromatography tandem mass spectrometry.	0
341	Label-free proteome quantification and evaluation.	0
340	Cryo-Electron Microscopy Snapshots of Eukaryotic Membrane Proteins in Native Lipid-Bilayer Nanodiscs.	2
339	Proteomic profiling of canine fibrosarcoma and adjacent peritumoral tissue. <b>2023</b> , 35, 100858	0

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- 331 Higher Temperature Porous Graphitic Carbon Separations Differentially Impact Distinct Glycopeptide Classes. ○
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- 323 Multi-Omics of *Corynebacterium Pseudotuberculosis* 12CS0282 and an In Silico Reverse Vaccinology Approach Reveal Novel Vaccine and Drug Targets. **2022**, 10, 39 ○
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318	MaHPIC malaria systems biology data from Plasmodium cynomolgi sporozoite longitudinal infections in macaques. <b>2022</b> , 9,	0
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315	Lysosomal damage drives mitochondrial proteome remodelling and reprograms macrophage immunometabolism. <b>2022</b> , 13,	0
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313	Peptide-based LDH5 inhibitors enter cancer cells and impair proliferation. <b>2022</b> , 79,	0
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311	Enhanced access to the human phosphoproteome with genetically encoded phosphothreonine. <b>2022</b> , 13,	1
310	Human histone pre-mRNA assembles histone or canonical mRNA-processing complexes by overlapping 3'-end sequence elements. <b>2022</b> , 50, 12425-12443	0
309	Temporal extracellular vesicle protein changes following intraarticular treatment with integrin $\alpha 1$ -selected mesenchymal stem cells in equine osteoarthritis. 9,	0
308	Robust and High-Throughput Analytical Flow Proteomics Analysis of Cynomolgus Monkey and Human Matrices with Zeno SWATH Data Independent Acquisition.	0
307	Fluoxetine Enhances Synaptic Vesicle Trafficking and Energy Metabolism in the Hippocampus of Socially Isolated Rats. <b>2022</b> , 23, 15351	0
306	Gilthead Seabream Liver Integrative Proteomics and Metabolomics Analysis Reveals Regulation by Different Prosurvival Pathways in the Metabolic Adaptation to Stress. <b>2022</b> , 23, 15395	0
305	Proteomic profiling of end-stage COVID-19 lung biopsies. <b>2022</b> , 19,	0
304	Biochemical and structural insights into SARS-CoV-2 polyprotein processing by Mpro. <b>2022</b> , 8,	1
303	Integrative modeling of guanylate binding protein dimers.	0

302	Toxoplasma gondii virulence factor ROP1 reduces parasite susceptibility to murine and human innate immune restriction. <b>2022</b> , 18, e1011021	0
301	Primary Focal Segmental Glomerulosclerosis Plasmas Increase Lipid Droplet Formation and Perilipin-2 Expression in Human Podocytes. <b>2023</b> , 24, 194	0
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299	The plasma membrane-associated cation-binding protein PCaP1 of Arabidopsis thaliana is a uranyl-binding protein. <b>2022</b> , 130668	0
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297	Toxicoproteomics reveals an effect of clozapine on autophagy in human liver spheroids. 1-10	1
296	The membrane-associated protein 17 (MAP17) is upregulated in response to empagliflozin on top of RAS blockade in experimental diabetic nephropathy.	0
295	Comparative proteomic analysis and antioxidant enzyme activity provide new insights into the embryogenic competence of Guadua chacoensis (Bambusoideae, Poaceae). <b>2022</b> , 104790	1
294	Bortezomib abrogates temozolomide-induced autophagic flux through an ATG5 dependent pathway. 10,	0
293	Proteome-wide structural changes measured with limited proteolysis-mass spectrometry: an advanced protocol for high-throughput applications.	0
292	Proteogenomic analysis of acute myeloid leukemia associates relapsed disease with reprogrammed energy metabolism both in adults and children.	0
291	Mixed heavy metal stress induces global iron starvation response.	0
290	Filaggrin insufficiency renders keratinocyte-derived small extracellular vesicles capable of modulating CD1a-mediated T cell responses.	0
289	Proteomic Profiling of Major Peanut Allergens and Their Post-Translational Modifications Affected by Roasting. <b>2022</b> , 11, 3993	2
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287	Glycolytic flux-signaling controls mouse embryo mesoderm development. 11,	0
286	Sphingolipid subtypes differentially control proinsulin processing and systemic glucose homeostasis.	0
285	TurboID reveals the proximiomes of CGE1, VIPP1, and VIPP2 in Chlamydomonas reinhardtii.	0



284	Phospho-heavy-labeled-spiketide FAIMS stepped-CV DDA (pHASED) provides real-time phosphoproteomics data to aid in cancer drug selection. <b>2022</b> , 19,	0
283	Proteomic discovery of chemical probes that perturb protein complexes in human cells.	1
282	Stings on wings: Proteotranscriptomic and biochemical profiling of the lesser banded hornet ( <i>Vespa affinis</i> ) venom. 9,	0
281	CHD8 suppression impacts on histone H3 lysine 36 trimethylation and alters RNA alternative splicing.	0
280	Isobaric labeling-based quantitative proteomics of FACS-purified immune cells and epithelial cells from the intestine of Crohn's disease patients reveals proteome changes of potential importance in disease pathogenesis. 2200366	0
279	Phosphoproteomics for identification of new mechanisms of cryodamage: the role of Spata18 in the control of stallion sperm function.	0
278	The TriMet_DB: A Manually Curated Database of the Metabolic Proteins of <i>Triticum aestivum</i> . <b>2022</b> , 14, 5377	0
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275	Profiling the Heme-Binding Proteomes of Bacteria Using Chemical Proteomics.	0
274	The cyanobacterial Nutraceutical Phycoyanobilin inhibits cysteine protease legumain.	0
273	Genomic, Functional and Structural Analyses Reveal Mechanisms of Evolutionary Innovation within the Sea Anemone 8 Toxin Family.	1
272	High-quality and robust protein quantification in large clinical/pharmaceutical cohorts with IonStar proteomics investigation.	0
271	Facioscapulohumeral muscular dystrophy is associated with altered myoblast proteome dynamics.	0
270	Toward a hypothesis-free understanding of how phosphorylation dynamically impacts protein turnover. 2100387	1
269	Metaproteomics reveals methyltransferases implicated in dichloromethane and glycine betaine fermentation by <i>Candidatus Formimonas warabiya</i> strain DCMF. 13,	0
268	Meiotic nuclear pore complex remodeling provides key insights into nuclear basket organization. <b>2023</b> , 222,	0
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- 264 Proteomic repository data submission, dissemination, and reuse: key messages. 1-14 ○
- 263 Shotgun Proteomics-based distinctive fingerprint of sperm-surface revealed over- representation of proteins driving spermatogenesis, motility, and fertility. ○
- 262 Dynamics and composition of small heat shock protein condensates and aggregates. ○
- 261 HLA-Glyco: A large-scale interrogation of the glycosylated immunopeptidome. ○
- 260 The large GTPase Sey1/atlastin mediates lipid droplet- and FadL-dependent intracellular fatty acid metabolism of *Legionella pneumophila*. ○
- 259 MS-DAP Platform for Downstream Data Analysis of Label-Free Proteomics Uncovers Optimal Workflows in Benchmark Data Sets and Increased Sensitivity in Analysis of Alzheimer's Biomarker Data. ○
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- 234 The E3 Ligase TRIM25 Impairs Apoptotic Cell Death in Colon Carcinoma Cells via Destabilization of Caspase-7 mRNA: A Possible Role of hnRNPH1. **2023**, 12, 201 ○
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228	Depletion of the RNA-binding protein PURA triggers changes in posttranscriptional gene regulation and loss of P-bodies.	0
227	Phenotype- and species-specific skin proteomic signatures for incision-induced pain in humans and mice. <b>2023</b> ,	0
226	Mass spectrometry-based proteomics imputation using self supervised deep learning.	0
225	Serine-threonine phosphoregulation by PknB and Stp contributes to quiescence and antibiotic tolerance in <i>Staphylococcus aureus</i> . <b>2023</b> , 16,	0
224	Automated Enrichment of Phosphotyrosine Peptides for High-Throughput Proteomics.	0
223	Expression of virulence and antimicrobial related proteins in <i>Burkholderia mallei</i> and <i>Burkholderia pseudomallei</i> . <b>2023</b> , 17, e0011006	0
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220	InvitroSPI and a large database of proteasome-generated spliced and non-spliced peptides. <b>2023</b> , 10,	0
219	Multi-layered chromatin proteomics identifies cell vulnerabilities in DNA repair.	0
218	BRCA1/BARD1 ubiquitinates PCNA in unperturbed conditions to promote replication fork stability and continuous DNA synthesis.	0
217	Lectin-Based Affinity Enrichment and Characterization of N-Glycoproteins from Human Tear Film by Mass Spectrometry. <b>2023</b> , 28, 648	0
216	Spectrin-beta 2 facilitates the selective accumulation of GABAA receptors at somatodendritic synapses. <b>2023</b> , 6,	0
215	Proteome adaptations of the organohalide-respiring <i>Desulfitobacterium hafniense</i> strain DCB-2 to various energy metabolisms. 14,	0
214	Impact of Hypermannosylation on the Structure and Functionality of the ER and the Golgi Complex. <b>2023</b> , 11, 146	0
213	Rabies virus P protein binds to TBK1 and interferes with the formation of innate immunity-related liquid condensates. <b>2023</b> , 42, 111949	0

212	Proteomics dataset on detached and purified Arabidopsis thaliana rosette leaf trichomes. <b>2023</b> , 108897	0
211	The Respiratory Syncytial Virus M2-2 protein is targeted for proteasome degradation and inhibits translation and stress granules assembly.	0
210	Plasmodium DDI1 is a potential therapeutic target and important chromatin-associated protein. <b>2023</b> ,	0
209	Application of hybrid biophysical-biochemical methods to unravel the molecular basis for auto-inhibition and activation of protein tyrosine phosphatase TCPTP/PTPN2. <b>2023</b> ,	0
208	iTRAQ-based proteomic analysis reveals proteins associated with cold stress response in two different populations of Manila clam ( Ruditapes philippinarum ). 2100396	0
207	MAPT genotype-dependent mitochondrial aberration and ROS production trigger dysfunction and death in cortical neurons of patients with hereditary FTL. <b>2023</b> , 59, 102597	0
206	Bump-and-hole engineering of human polypeptide N-acetylgalactosamine transferases to dissect their protein substrates and glycosylation sites in cells. <b>2023</b> , 4, 101974	0
205	The bovine uterine fluid proteome is more impacted by the stage of the estrous cycle than the proximity of the ovulating ovary in the periconception period. <b>2023</b> , 198, 332-343	0
204	An integrated systems-biology platform for power-to-gas technology.	0
203	Proteomics of the dentate gyrus reveals semantic dementia specific molecular pathology. <b>2022</b> , 10,	0
202	TBK1 phosphorylation activates LIR-dependent degradation of the inflammation repressor TNIP1. <b>2023</b> , 222,	2
201	LncReader: identification of dual functional long noncoding RNAs using a multi-head self-attention mechanism. <b>2023</b> , 24,	0
200	Integrative study of mitochondrial dysfunction in skeletal muscle during pancreatic cancer cachexia.	0
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