

Extracting Biological Meaning from Large Gene Lists with

Current Protocols in Bioinformatics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Systematic analysis, comparison, and integration of disease based human genetic association data and mouse genetic phenotypic information. <i>BMC Medical Genomics</i> , 2010, 3, 1.	0.7	106
2	Human Conjunctival Transcriptome Analysis Reveals the Prominence of Innate Defense in <i>Chlamydia trachomatis</i> Infection. <i>Infection and Immunity</i> , 2010, 78, 4895-4911.	1.0	58
3	Proteomics and Pathway Analyses of the Milk Fat Globule in Sheep Naturally Infected by <i>Mycoplasma agalactiae</i> Provide Indications of the <i>In Vivo</i> Response of the Mammary Epithelium to Bacterial Infection. <i>Infection and Immunity</i> , 2011, 79, 3833-3845.	1.0	69
5	The Circadian Clock Interacts with Metabolic Physiology to Influence Reproductive Fitness. <i>Cell Metabolism</i> , 2011, 13, 639-654.	7.2	149
6	IL-12 selectively programs effector pathways that are stably expressed in human CD8+ effector memory T cells in vivo. <i>Blood</i> , 2011, 118, 3890-3900.	0.6	54
7	Strategies for regeneration of the bone using porcine adult adipose-derived mesenchymal stem cells. <i>Theriogenology</i> , 2011, 75, 1381-1399.	0.9	75
8	Mouse genomic variation and its effect on phenotypes and gene regulation. <i>Nature</i> , 2011, 477, 289-294.	13.7	1,461
9	Proteomic Interrogation of Human Chromatin. <i>PLoS ONE</i> , 2011, 6, e24747.	1.1	35
10	15 kDa Granulysin versus GM-CSF for monocytes differentiation: analogies and differences at the transcriptome level. <i>Journal of Translational Medicine</i> , 2011, 9, 41.	1.8	11
11	Proteomic analysis of formalin-fixed, paraffin-embedded lung neuroendocrine tumor samples from hospital archives. <i>Journal of Proteomics</i> , 2011, 74, 359-370.	1.2	39
12	Suppression of Stra8 Expression in the Mouse Gonad by WIN 18,4461. <i>Biology of Reproduction</i> , 2011, 84, 957-965.	1.2	57
13	Sampangine Inhibits Heme Biosynthesis in both Yeast and Human. <i>Eukaryotic Cell</i> , 2011, 10, 1536-1544.	3.4	23
14	GRHL3/GET1 and Trithorax Group Members Collaborate to Activate the Epidermal Progenitor Differentiation Program. <i>PLoS Genetics</i> , 2012, 8, e1002829.	1.5	81
15	EBV and human microRNAs co-target oncogenic and apoptotic viral and human genes during latency. <i>EMBO Journal</i> , 2012, 31, 2207-2221.	3.5	268
16	Exercise tames the wild side of the Myc network: a hypothesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E18-E30.	1.8	23
17	Research Resource: Whole Transcriptome RNA Sequencing Detects Multiple $1\alpha,25$ -Dihydroxyvitamin D3-Sensitive Metabolic Pathways in Developing Zebrafish. <i>Molecular Endocrinology</i> , 2012, 26, 1630-1642.	3.7	41
18	Mammary gland morphological and gene expression changes underlying pregnancy protection of breast cancer tumorigenesis. <i>Physiological Genomics</i> , 2012, 44, 76-88.	1.0	14
19	Early Activation of the Inflammatory Response in the Liver of Brain-Dead Non-Human Primates. <i>Journal of Surgical Research</i> , 2012, 176, 639-648.	0.8	25

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20	A genomics-based approach to assessment of vaccine safety and immunogenicity in children. <i>Vaccine</i> , 2012, 30, 1865-1874.	1.7	21
21	mRNA-Seq reveals complex patterns of gene regulation and expression in the mouse skeletal muscle transcriptome associated with calorie restriction. <i>Physiological Genomics</i> , 2012, 44, 331-344.	1.0	15
22	AbsIDconvert: An absolute approach for converting genetic identifiers at different granularities. <i>BMC Bioinformatics</i> , 2012, 13, 229.	1.2	8
23	Whole-Genome sequencing and genetic variant analysis of a quarter Horse mare. <i>BMC Genomics</i> , 2012, 13, 78.	1.2	60
24	Fluoxetine prevents development of an early stress-related molecular signature in the rat infralimbic medial prefrontal cortex. Implications for depression?. <i>BMC Neuroscience</i> , 2012, 13, 125.	0.8	29
25	Estimates of marker effects for measures of milk flow in the Italian brown Swiss dairy cattle population. <i>BMC Veterinary Research</i> , 2012, 8, 199.	0.7	4
26	High yield derivation of enriched glutamatergic neurons from suspension-cultured mouse ESCs for neurotoxicology research. <i>BMC Neuroscience</i> , 2012, 13, 127.	0.8	26
27	Transcriptomics Comparison between Porcine Adipose and Bone Marrow Mesenchymal Stem Cells during In Vitro Osteogenic and Adipogenic Differentiation. <i>PLoS ONE</i> , 2012, 7, e32481.	1.1	67
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30	Suboptimal evolutionary novel environments promote singular altered gravity responses of transcriptome during <i>Drosophila</i> metamorphosis. <i>BMC Evolutionary Biology</i> , 2013, 13, 133.	3.2	8
31	The Genomic Landscape of the Somatic Linker Histone Subtypes H1.1 to H1.5 in Human Cells. <i>Cell Reports</i> , 2013, 3, 2142-2154.	2.9	110
32	Molecular Networks of DYX1C1 Gene Show Connection to Neuronal Migration Genes and Cytoskeletal Proteins. <i>Biological Psychiatry</i> , 2013, 73, 583-590.	0.7	38
33	Genomics and epigenomics of renal cell carcinoma. <i>Seminars in Cancer Biology</i> , 2013, 23, 10-17.	4.3	78
34	<i>TIME FOR COFFEE</i> is an essential component in the maintenance of metabolic homeostasis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 76, 188-200.	2.8	79
35	A transcriptomic approach to elucidate the physiological significance of human cytochrome P450 2S1 in bronchial epithelial cells. <i>BMC Genomics</i> , 2013, 14, 833.	1.2	12
36	Expression profiling of 519 kinase genes in matched malignant peripheral nerve sheath tumor/plexiform neurofibroma samples is discriminatory and identifies mitotic regulators BUB1B, PBK and NEK2 as overexpressed with transformation. <i>Modern Pathology</i> , 2013, 26, 930-943.	2.9	29
37	The $\hat{\pm}$ Crystallin Domain of Small Heat Shock Protein b8 (Hspb8) Acts as Survival and Differentiation Factor in Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 5785-5796.	1.7	27

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38	Molecular Mechanisms of Toxicity of Silver Nanoparticles in Zebrafish Embryos. <i>Environmental Science & Technology</i> , 2013, 47, 8005-8014.	4.6	198
39	Innate lymphoid cells regulate CD4+ T-cell responses to intestinal commensal bacteria. <i>Nature</i> , 2013, 498, 113-117.	13.7	639
40	<sc>GABI</sc>â€<sc>DUPLO</sc>: a collection of double mutants to overcome genetic redundancy in <i><sc>A</sc>r<sc>abidopsis thaliana</i>. <i>Plant Journal</i> , 2013, 75, 157-171.	2.8	48
41	Altered microRNA expression profile during epithelial wound repair in bronchial epithelial cells. <i>BMC Pulmonary Medicine</i> , 2013, 13, 63.	0.8	14
42	The zinc finger transcription factor ZXDC activates CCL2 gene expression by opposing BCL6-mediated repression. <i>Molecular Immunology</i> , 2013, 56, 768-780.	1.0	16
43	Genome of <i>Drosophila suzukii</i>, the Spotted Wing <i>Drosophila</i>. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 2257-2271.	0.8	126
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46	Cattle genomics and its implications for future nutritional strategies for dairy cattle. <i>Animal</i> , 2013, 7, 172-183.	1.3	12
47	The Glucocorticoid Receptor and KLF15 Regulate Gene Expression Dynamics and Integrate Signals through Feed-Forward Circuitry. <i>Molecular and Cellular Biology</i> , 2013, 33, 2104-2115.	1.1	84
48	Integrative Modeling of eQTLs and Cis-Regulatory Elements Suggests Mechanisms Underlying Cell Type Specificity of eQTLs. <i>PLoS Genetics</i> , 2013, 9, e1003649.	1.5	151
49	Hairless and the polyamine putrescine form a negative regulatory loop in the epidermis. <i>Experimental Dermatology</i> , 2013, 22, 644-649.	1.4	10
50	Histone variant selectivity at the transcription start site: H2A.Z or H2A.Lap1. <i>Nucleus</i> , 2013, 4, 431-437.	0.6	24
51	Adaptation and Heterogeneity of <i>Escherichia coli</i> MC1000 Growing in Complex Environments. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1008-1017.	1.4	24
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55	CGG repeats in RNA modulate expression of TDP-43 in mouse and fly models of fragile X tremor ataxia syndrome. <i>Human Molecular Genetics</i> , 2014, 23, 5906-5915.	1.4	21

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57	KDM5 Interacts with Foxo to Modulate Cellular Levels of Oxidative Stress. <i>PLoS Genetics</i> , 2014, 10, e1004676.	1.5	47
58	Insights into the Trypanosome-Host Interactions Revealed through Transcriptomic Analysis of Parasitized Tsetse Fly Salivary Glands. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2649.	1.3	67
59	Single Nucleotide Variants in Transcription Factors Associate More Tightly with Phenotype than with Gene Expression. <i>PLoS Genetics</i> , 2014, 10, e1004325.	1.5	14
60	A <i>Drosophila</i> immune response against Ras-induced overgrowth. <i>Biology Open</i> , 2014, 3, 250-260.	0.6	39
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62	Parallel Geographic Variation in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2014, 197, 361-373.	1.2	113
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65	Establishment of a CpG island microarray for analyses of genome-wide DNA methylation in Chinese hamster ovary cells. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 579-589.	1.7	25
66	Metabolic changes associated with the long winter fast dominate the liver proteome in 13-lined ground squirrels. <i>Physiological Genomics</i> , 2014, 46, 348-361.	1.0	49
67	Follicular Thyroid Cancers Demonstrate Dual Activation of PKA and mTOR as Modeled by Thyroid-Specific Deletion of Prkar1a and Pten in Mice. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E804-E812.	1.8	31
68	H3K4me3 Breadth Is Linked to Cell Identity and Transcriptional Consistency. <i>Cell</i> , 2014, 158, 673-688.	13.5	404
69	<i>CHD8</i> regulates neurodevelopmental pathways associated with autism spectrum disorder in neural progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4468-77.	3.3	297
70	Identification and characterization of long intergenic non-coding RNAs related to mouse liver development. <i>Molecular Genetics and Genomics</i> , 2014, 289, 1225-1235.	1.0	28
71	The influences of parental diet and vitamin E intake on the embryonic zebrafish transcriptome. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 10, 22-29.	0.4	18
72	Conservation of mRNA and Protein Expression during Development of <i>C.Âlegans</i> . <i>Cell Reports</i> , 2014, 6, 565-577.	2.9	98
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74	A novel filter feature selection method for paired microarray expression data analysis. <i>International Journal of Data Mining and Bioinformatics</i> , 2015, 12, 363.	0.1	11
75	Gender differences in murine pulmonary responses elicited by cellulose nanocrystals. <i>Particle and Fibre Toxicology</i> , 2015, 13, 28.	2.8	64
76	Gene set analysis: A step-by-step guide. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2015, 168, 517-527.	1.1	66
77	Transcriptomic responses to prion disease in rats. <i>BMC Genomics</i> , 2015, 16, 682.	1.2	7
78	Deep Sequencing Analysis of miRNA Expression in Breast Muscle of Fast-Growing and Slow-Growing Broilers. <i>International Journal of Molecular Sciences</i> , 2015, 16, 16242-16262.	1.8	47
79	Innate Responses Induced by Whole Inactivated Virus or Subunit Influenza Vaccines in Cultured Dendritic Cells Correlate with Immune Responses In Vivo. <i>PLoS ONE</i> , 2015, 10, e0125228.	1.1	20
80	Genome Wide Expression Profiling of Cancer Cell Lines Cultured in Microgravity Reveals Significant Dysregulation of Cell Cycle and MicroRNA Gene Networks. <i>PLoS ONE</i> , 2015, 10, e0135958.	1.1	44
81	Transcription Adaptation during In Vitro Adipogenesis and Osteogenesis of Porcine Mesenchymal Stem Cells: Dynamics of Pathways, Biological Processes, Up-Stream Regulators, and Gene Networks. <i>PLoS ONE</i> , 2015, 10, e0137644.	1.1	39
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90	Identification of proteins associated with Aha1 in HeLa cells by quantitative proteomics. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 365-380.	1.1	10
91	Chromatin Changes at the PPAR- β Promoter During Bone Marrow-Derived Multipotent Stromal Cell Culture Correlate With Loss of Gene Activation Potential. <i>Stem Cells</i> , 2015, 33, 2169-2181.	1.4	15

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94	CTCF-dependent co-localization of canonical Smad signaling factors at architectural protein binding sites in <i>D. melanogaster</i> . <i>Cell Cycle</i> , 2015, 14, 2677-2687.	1.3	22
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102	A systems approach to understanding human rhinovirus and influenza virus infection. <i>Virology</i> , 2015, 486, 146-157.	1.1	43
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108	Immune-Mediated Inflammation May Contribute to the Pathogenesis of Cardiovascular Disease in Mucopolysaccharidosis Type I. <i>PLoS ONE</i> , 2016, 11, e0150850.	1.1	20
109	Using PSEA-Quant for Protein Set Enrichment Analysis of Quantitative Mass Spectrometry-Based Proteomics. <i>Current Protocols in Bioinformatics</i> , 2016, 53, 13.28.1-13.28.16.	25.8	8

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110	Characterization of the Antigen Processing Machinery and Endogenous Peptide Presentation of a Bat MHC Class I Molecule. <i>Journal of Immunology</i> , 2016, 196, 4468-4476.	0.4	30
111	MEMO1 drives cranial endochondral ossification and palatogenesis. <i>Developmental Biology</i> , 2016, 415, 278-295.	0.9	16
112	Combined Antibody/Lectin Enrichment Identifies Extensive Changes in the <i>O</i> -GlcNAc Sub-proteome upon Oxidative Stress. <i>Journal of Proteome Research</i> , 2016, 15, 4318-4336.	1.8	50
113	Synthetic Lethal Screen Demonstrates That a JAK2 Inhibitor Suppresses a BCL6-dependent IL10RA/JAK2/STAT3 Pathway in High Grade B-cell Lymphoma. <i>Journal of Biological Chemistry</i> , 2016, 291, 16686-16698.	1.6	13
114	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. <i>Cell Stem Cell</i> , 2016, 19, 784-799.	5.2	88
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116	HE4 promotes collateral resistance to cisplatin and paclitaxel in ovarian cancer cells. <i>Journal of Ovarian Research</i> , 2016, 9, 28.	1.3	54
117	<i>Sternopygus macrurus</i> electric organ transcriptome and cell size exhibit insensitivity to short-term electrical inactivity. <i>Journal of Physiology (Paris)</i> , 2016, 110, 233-244.	2.1	2
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119	ARID3B: a Novel Regulator of the Kaposi's Sarcoma-Associated Herpesvirus Lytic Cycle. <i>Journal of Virology</i> , 2016, 90, 9543-9555.	1.5	10
120	Toxicogenomic Assessment of 6-OH-BDE47-Induced Developmental Toxicity in Chicken Embryos. <i>Environmental Science & Technology</i> , 2016, 50, 12493-12503.	4.6	17
121	Transcriptional regulation by normal epithelium of premalignant to malignant progression in Barrett's esophagus. <i>Scientific Reports</i> , 2016, 6, 35227.	1.6	3
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124	Transcriptome analysis reveals manifold mechanisms of cyst development in ADPKD. <i>Human Genomics</i> , 2016, 10, 37.	1.4	28
125	Temporal Dysynchrony in brain connectivity gene expression following hypoxia. <i>BMC Genomics</i> , 2016, 17, 334.	1.2	3
126	Molecular Pathology of Patient Tumors, Patient-Derived Xenografts, and Cancer Cell Lines. <i>Cancer Research</i> , 2016, 76, 4619-4626.	0.4	42
127	Contribution of IL-10 and its -592 A/C polymorphism to cognitive functions in first-episode drug-naive schizophrenia. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 116-124.	2.0	36

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129	Chronic TCDD exposure results in the dysregulation of gene expression in splenic B-lymphocytes and in the impairments in T-cell and B-cell differentiation in mouse model. <i>Journal of Environmental Sciences</i> , 2016, 39, 218-227.	3.2	7
130	A Novel Systems-Biology Algorithm for the Analysis of Coordinated Protein Responses Using Quantitative Proteomics. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1740-1760.	2.5	86
131	1 α ,25-Dihydroxyvitamin D3 Regulates Mitochondrial Oxygen Consumption and Dynamics in Human Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 1514-1528.	1.6	164
132	Promoter Methylation Analysis Reveals That <i>KCNA5</i> Ion Channel Silencing Supports Ewing Sarcoma Cell Proliferation. <i>Molecular Cancer Research</i> , 2016, 14, 26-34.	1.5	22
133	Systems biology of lens development: A paradigm for disease gene discovery in the eye. <i>Experimental Eye Research</i> , 2017, 156, 22-33.	1.2	39
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135	Type I interferon-regulated gene expression and signaling in murine mixed glial cells lacking signal transducers and activators of transcription 1 or 2 or interferon regulatory factor 9. <i>Journal of Biological Chemistry</i> , 2017, 292, 5845-5859.	1.6	23
136	Differential lactate and cholesterol synthetic activities in XY and XX Sertoli cells. <i>Scientific Reports</i> , 2017, 7, 41912.	1.6	4
137	Oct4 induces EMT through LEF1/ β -catenin dependent WNT signaling pathway in hepatocellular carcinoma. <i>Oncology Letters</i> , 2017, 13, 2599-2606.	0.8	39
138	MicroRNA-328 is involved in wound repair process in human bronchial epithelial cells. <i>Respiratory Physiology and Neurobiology</i> , 2017, 242, 59-65.	0.7	6
139	The Chromatin-Associated Phf12 Protein Maintains Nucleolar Integrity and Prevents Premature Cellular Senescence. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	9
140	Proteomic footprint of myocardial ischemia/reperfusion injury: Longitudinal study of the at-risk and remote regions in the pig model. <i>Scientific Reports</i> , 2017, 7, 12343.	1.6	37
141	Staufen1 inhibits MyoD translation to actively maintain muscle stem cell quiescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8996-E9005.	3.3	70
142	Transcriptome analysis reveals long intergenic non-coding RNAs involved in skeletal muscle growth and development in pig. <i>Scientific Reports</i> , 2017, 7, 8704.	1.6	50
143	Mapping the in vitro interactome of cardiac sodium (Na ⁺) \leftrightarrow calcium (Ca ²⁺) exchanger 1 (NCX1). <i>Proteomics</i> , 2017, 17, 1600417.	1.3	14
144	Transcriptomic responses of the liver and adipose tissues to altered carbohydrate-fat ratio in diet: an isoenergetic study in young rats. <i>Genes and Nutrition</i> , 2017, 12, 10.	1.2	9
145	Tag SNP selection for prediction of tick resistance in Brazilian Braford and Hereford cattle breeds using Bayesian methods. <i>Genetics Selection Evolution</i> , 2017, 49, 49.	1.2	31

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