

# The SYSCILIA gold standard (SCGSv1) of known ciliary cilia within a systems biology consortium

Cilia

2, 7

DOI: [10.1186/2046-2530-2-7](https://doi.org/10.1186/2046-2530-2-7)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Compartments within a compartment. <i>Organogenesis</i> , 2014, 10, 126-137.	0.4	62
2	A network-based approach to dissect the cilia/centrosome complex interactome. <i>BMC Genomics</i> , 2014, 15, 658.	1.2	19
3	Next-generation sequencing for research and diagnostics in kidney disease. <i>Nature Reviews Nephrology</i> , 2014, 10, 433-444.	4.1	88
4	DYNC2L1 mutations broaden the clinical spectrum of dynein-2 defects. <i>Scientific Reports</i> , 2015, 5, 11649.	1.6	28
5	RFX2 Is a Major Transcriptional Regulator of Spermiogenesis. <i>PLoS Genetics</i> , 2015, 11, e1005368.	1.5	55
6	Functional genome-wide siRNA screen identifies KIAA0586 as mutated in Joubert syndrome. <i>ELife</i> , 2015, 4, e06602.	2.8	64
7	A Dynamic Protein Interaction Landscape of the Human Centrosome-Cilium Interface. <i>Cell</i> , 2015, 163, 1484-1499.	13.5	446
8	Motor Proteins and Movement. , 2015, , 305-322.		0
9	Ciliary proteins Bbs8 and Ift20 promote planar cell polarity in the cochlea. <i>Development (Cambridge)</i> , 2015, 142, 555-566.	1.2	63
10	An siRNA-based functional genomics screen for the identification of regulators of ciliogenesis and ciliopathy genes. <i>Nature Cell Biology</i> , 2015, 17, 1074-1087.	4.6	215
11	Biochemical functional predictions for protein structures of unknown or uncertain function. <i>Computational and Structural Biotechnology Journal</i> , 2015, 13, 182-191.	1.9	77
12	A Potential Contributory Role for Ciliary Dysfunction in the 16p11.2 600 kb BP4-BP5 Pathology. <i>American Journal of Human Genetics</i> , 2015, 96, 784-796.	2.6	53
13	The role of the cilium in hereditary tumor predisposition syndromes. <i>Journal of Pediatric Genetics</i> , 2015, 03, 129-140.	0.3	2
14	Gene Ontology Consortium: going forward. <i>Nucleic Acids Research</i> , 2015, 43, D1049-D1056.	6.5	2,743
15	<sc>GEMC</sc> 1 is a critical regulator of multiciliated cell differentiation. <i>EMBO Journal</i> , 2016, 35, 942-960.	3.5	91
16	Characterizing the morbid genome of ciliopathies. <i>Genome Biology</i> , 2016, 17, 242.	3.8	118
17	Function-driven discovery of disease genes in zebrafish using an integrated genomics big data resource. <i>Nucleic Acids Research</i> , 2016, 44, gkw897.	6.5	24
18	An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. <i>Nature Communications</i> , 2016, 7, 11491.	5.8	207

#	ARTICLE	IF	CITATIONS
19	Evaluation of Planar-Cell-Polarity Phenotypes in Ciliopathy Mouse Mutant Cochlea. <i>Journal of Visualized Experiments</i> , 2016, , 53559.	0.2	6
20	A paneukaryotic genomic analysis of the small GTPase RABL2 underscores the significance of recurrent gene loss in eukaryote evolution. <i>Biology Direct</i> , 2016, 11, 5.	1.9	22
21	TAp73 is a central transcriptional regulator of airway multiciliogenesis. <i>Genes and Development</i> , 2016, 30, 1300-1312.	2.7	112
22	Zebrafish: a vertebrate tool for studying basal body biogenesis, structure, and function. <i>Cilia</i> , 2016, 5, 16.	1.8	8
23	Ptbp1 and Exosc9 knockdowns trigger skin stability defects through different pathways. <i>Developmental Biology</i> , 2016, 409, 489-501.	0.9	13
24	TMEM107 recruits ciliopathy proteins to subdomains of the ciliary transition zone and causes Joubert's syndrome. <i>Nature Cell Biology</i> , 2016, 18, 122-131.	4.6	118
25	Chromosomal contacts connect loci associated with autism, BMI and head circumference phenotypes. <i>Molecular Psychiatry</i> , 2017, 22, 836-849.	4.1	68
26	Homozygous variant in <i>C21orf2</i> in a case of Jeune syndrome with severe thoracic involvement: Extending the phenotypic spectrum. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1698-1704.	0.7	15
27	Insights into Ciliary Genes and Evolution from Multi-Level Phylogenetic Profiling. <i>Molecular Biology and Evolution</i> , 2017, 34, 2016-2034.	3.5	54
28	Integration of over 9,000 mass spectrometry experiments builds a global map of human protein complexes. <i>Molecular Systems Biology</i> , 2017, 13, 932.	3.2	177
29	Identification of Elongated Primary Cilia with Impaired Mechanotransduction in Idiopathic Scoliosis Patients. <i>Scientific Reports</i> , 2017, 7, 44260.	1.6	44
30	Tgif1 and Tgif2 Repress Expression of the RabGAP Evi5l. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	12
31	Liver cyst gene knockout in cholangiocytes inhibits cilium formation and Wnt signaling. <i>Human Molecular Genetics</i> , 2017, 26, 4190-4202.	1.4	10
32	APC sets the Wnt tone necessary for cerebral cortical progenitor development. <i>Genes and Development</i> , 2017, 31, 1679-1692.	2.7	27
33	A Transposon Screen Identifies Loss of Primary Cilia as a Mechanism of Resistance to SMO Inhibitors. <i>Cancer Discovery</i> , 2017, 7, 1436-1449.	7.7	49
34	Refining genotype-phenotype correlation in Alström syndrome through study of primary human fibroblasts. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2017, 5, 390-404.	0.6	22
35	Early ciliary and prominin-1 dysfunctions precede neurogenesis impairment in a mouse model of type 2 diabetes. <i>Neurobiology of Disease</i> , 2017, 108, 13-28.	2.1	10
36	How Does the Scientific Community Contribute to Gene Ontology?. <i>Methods in Molecular Biology</i> , 2017, 1446, 85-93.	0.4	9

#	ARTICLE	IF	CITATIONS
37	Nuclear roles for cilia-associated proteins. <i>Cilia</i> , 2017, 6, 8.	1.8	19
38	Probing Cilia-Associated Signaling Proteomes in Animal Evolution. <i>Developmental Cell</i> , 2017, 43, 653-655.	3.1	1
39	Evolutionary Proteomics Uncovers Ancient Associations of Cilia with Signaling Pathways. <i>Developmental Cell</i> , 2017, 43, 744-762.e11.	3.1	92
40	SPEN, a new player in primary cilia formation and cell migration in breast cancer. <i>Breast Cancer Research</i> , 2017, 19, 104.	2.2	32
41	The Gene Ontology of eukaryotic cilia and flagella. <i>Cilia</i> , 2017, 6, 10.	1.8	6
42	A biallelic 36-bp insertion in PIBF1 is associated with Joubert syndrome. <i>Journal of Human Genetics</i> , 2018, 63, 935-939.	1.1	14
43	Truncated SALL1 Impedes Primary Cilia Function in Townes-Brocks Syndrome. <i>American Journal of Human Genetics</i> , 2018, 102, 249-265.	2.6	27
44	Probabilistic data integration identifies reliable gametocyte-specific proteins and transcripts in malaria parasites. <i>Scientific Reports</i> , 2018, 8, 410.	1.6	39
45	CRISPR Screens Uncover Genes that Regulate Target Cell Sensitivity to the Morphogen Sonic Hedgehog. <i>Developmental Cell</i> , 2018, 44, 113-129.e8.	3.1	95
46	Sensing the cilium, digital capture of ciliary data for comparative genomics investigations. <i>Cilia</i> , 2018, 7, 3.	1.8	3
47	TRRAP is a central regulator of human multiciliated cell formation. <i>Journal of Cell Biology</i> , 2018, 217, 1941-1955.	2.3	15
48	EZH2-Mediated Primary Cilium Deconstruction Drives Metastatic Melanoma Formation. <i>Cancer Cell</i> , 2018, 34, 69-84.e14.	7.7	123
49	Idiopathic Scoliosis Families Highlight Actin-Based and Microtubule-Based Cellular Projections and Extracellular Matrix in Disease Etiology. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2663-2672.	0.8	19
50	Ganetespib limits ciliation and cystogenesis in autosomal-dominant polycystic kidney disease (ADPKD). <i>FASEB Journal</i> , 2018, 32, 2735-2746.	0.2	32
51	Deleterious genetic variants in ciliopathy genes increase risk of ritodrine-induced cardiac and pulmonary side effects. <i>BMC Medical Genomics</i> , 2018, 11, 4.	0.7	16
52	Trisomy 21 Represses Cilia Formation and Function. <i>Developmental Cell</i> , 2018, 46, 641-650.e6.	3.1	50
53	The complexity of the cilium: spatiotemporal diversity of an ancient organelle. <i>Current Opinion in Cell Biology</i> , 2018, 55, 139-149.	2.6	21
54	The Gene Ontology., 2019,, 1-7.		3

#	ARTICLE	IF	CITATIONS
55	Genetic dissection of a Leishmania flagellar proteome demonstrates requirement for directional motility in sand fly infections. <i>PLoS Pathogens</i> , 2019, 15, e1007828.	2.1	98
56	De novo and recessive forms of congenital heart disease have distinct genetic and phenotypic landscapes. <i>Nature Communications</i> , 2019, 10, 4722.	5.8	58
57	Renal ciliopathies. <i>Current Opinion in Genetics and Development</i> , 2019, 56, 49-60.	1.5	37
58	Spatial and proteomic profiling reveals centrosome-independent features of centriolar satellites. <i>EMBO Journal</i> , 2019, 38, e101109.	3.5	73
59	Primary cilia defects causing mitral valve prolapse. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	76
60	CiliaCarta: An integrated and validated compendium of ciliary genes. <i>PLoS ONE</i> , 2019, 14, e0216705.	1.1	104
61	Loss of Primary Cilia Drives Switching from Hedgehog to Ras/MAPK Pathway in Resistant Basal Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1439-1448.	0.3	38
62	661W Photoreceptor Cell Line as a Cell Model for Studying Retinal Ciliopathies. <i>Frontiers in Genetics</i> , 2019, 10, 308.	1.1	37
63	Identification of Important Effector Proteins in the FOXJ1 Transcriptional Network Associated With Ciliogenesis and Ciliary Function. <i>Frontiers in Genetics</i> , 2019, 10, 23.	1.1	28
64	Changes in the urinary extracellular vesicle proteome are associated with nephronophthisis-related ciliopathies. <i>Journal of Proteomics</i> , 2019, 192, 27-36.	1.2	22
65	Simple Method To Characterize the Ciliary Proteome of Multiciliated Cells. <i>Journal of Proteome Research</i> , 2020, 19, 391-400.	1.8	11
66	The Functionally Unannotated Proteome of Human Male Tissues: A Shared Resource to Uncover New Protein Functions Associated with Reproductive Biology. <i>Journal of Proteome Research</i> , 2020, 19, 4782-4794.	1.8	10
67	Biliary-Atresia-Associated Mannosidase-1-Alpha-2 Gene Regulates Biliary and Ciliary Morphogenesis and Laterality. <i>Frontiers in Physiology</i> , 2020, 11, 538701.	1.3	13
68	Interplay of RFX transcription factors 1, 2 and 3 in motile ciliogenesis. <i>Nucleic Acids Research</i> , 2020, 48, 9019-9036.	6.5	36
69	Identifying genetic factors that contribute to the increased risk of congenital heart defects in infants with Down syndrome. <i>Scientific Reports</i> , 2020, 10, 18051.	1.6	14
70	Systems Analysis of Biliary Atresia Through Integration of High-Throughput Biological Data. <i>Frontiers in Physiology</i> , 2020, 11, 966.	1.3	3
71	Differentiation of ciliated human midbrain-derived LUHMES neurons. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	6
72	Mutations in the Kinesin-2 Motor KIF3B Cause an Autosomal-Dominant Ciliopathy. <i>American Journal of Human Genetics</i> , 2020, 106, 893-904.	2.6	29

#	ARTICLE	IF	CITATIONS
73	The transcriptional signature associated with human motile cilia. <i>Scientific Reports</i> , 2020, 10, 10814.	1.6	37
74	Ciliary Genes in Renal Cystic Diseases. <i>Cells</i> , 2020, 9, 907.	1.8	20
75	Animals Models of Inherited Retinal Disease. <i>International Ophthalmology Clinics</i> , 2021, 61, 113-130.	0.3	8
76	The essential role of primary cilia in cerebral cortical development and disorders. <i>Current Topics in Developmental Biology</i> , 2021, 142, 99-146.	1.0	34
77	CiliOPD: a ciliopathy-associated COPD endotype. <i>Respiratory Research</i> , 2021, 22, 74.	1.4	10
78	Disruption of RFX family transcription factors causes autism, attention-deficit/hyperactivity disorder, intellectual disability, and dysregulated behavior. <i>Genetics in Medicine</i> , 2021, 23, 1028-1040.	1.1	34
79	Long-Read Sequencing to Unravel Complex Structural Variants of CEP78 Leading to Cone-Rod Dystrophy and Hearing Loss. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664317.	1.8	11
80	The ciliary impact of nonciliary gene mutations. <i>Trends in Cell Biology</i> , 2021, 31, 876-887.	3.6	13
82	Ciliogenesis and autophagy are coordinately regulated by EphA2 in the cornea to maintain proper epithelial architecture. <i>Ocular Surface</i> , 2021, 21, 193-205.	2.2	3
83	Ciliary GPCR-based transcriptome as a key regulator of cilia length control. <i>FASEB BioAdvances</i> , 2021, 3, 744-767.	1.3	11
84	Mechanisms of Impaired Lung Development and Ciliation in Mannosidase-1-Alpha-2 (Man1a2) Mutants. <i>Frontiers in Physiology</i> , 2021, 12, 658518.	1.3	2
87	Identification of disease-relevant modulators of the SHH pathway in the developing brain. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	11
88	Whole genome sequencing in the diagnosis of primary ciliary dyskinesia. <i>BMC Medical Genomics</i> , 2021, 14, 234.	0.7	15
89	Ttc30a affects tubulin modifications in a model for ciliary chondrodysplasia with polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	6
90	Identification of a wide spectrum of ciliary gene mutations in nonsyndromic biliary atresia patients implicates ciliary dysfunction as a novel disease mechanism. <i>EBioMedicine</i> , 2021, 71, 103530.	2.7	32
91	Dyslexia Candidate Gene and Ciliary Gene Expression Dynamics During Human Neuronal Differentiation. <i>Molecular Neurobiology</i> , 2020, 57, 2944-2958.	1.9	11
95	Whole exome sequencing as a diagnostic tool for patients with ciliopathy-like phenotypes. <i>PLoS ONE</i> , 2017, 12, e0183081.	1.1	8
96	Genetic defects in ciliary genes in autosomal dominant polycystic kidney disease. <i>World Journal of Nephrology</i> , 2018, 7, 65-70.	0.8	6

#	ARTICLE	IF	CITATIONS
97	An updated SYSCILIA gold standard (SCGSv2) of known ciliary genes, revealing the vast progress that has been made in the cilia research field. <i>Molecular Biology of the Cell</i> , 2021, 32, br13.	0.9	23
106	Molecular diagnoses in the congenital malformations caused by ciliopathies cohort of the 100,000 Genomes Project. <i>Journal of Medical Genetics</i> , 2022, 59, 737-747.	1.5	11
107	Spatially resolved transcriptomics reveals the architecture of the tumor-microenvironment interface. <i>Nature Communications</i> , 2021, 12, 6278.	5.8	112
108	Isolation of <i>Leishmania</i> Promastigote Flagella. <i>Methods in Molecular Biology</i> , 2020, 2116, 485-495.	0.4	0
112	Sporadic hypothalamic hamartoma is a ciliopathy with somatic and bi-allelic contributions. <i>Human Molecular Genetics</i> , 2022, 31, 2307-2316.	1.4	8
113	Breaking the ageing paradigm in endometrium: endometrial gene expression related to cilia and ageing hallmarks in women over 35 years. <i>Human Reproduction</i> , 2022, 37, 762-776.	0.4	23
114	Zebrafish and idiopathic scoliosis: the "unknown knows"™. <i>Trends in Genetics</i> , 2022, 38, 524-528.	2.9	3
115	Primary Cilia and Their Role in Acquired Heart Disease. <i>Cells</i> , 2022, 11, 960.	1.8	2
117	A change of heart: new roles for cilia in cardiac development and disease. <i>Nature Reviews Cardiology</i> , 2022, 19, 211-227.	6.1	22
136	Spatial centrosome proteome of human neural cells uncovers disease-relevant heterogeneity. <i>Science</i> , 2022, 376, .	6.0	25
137	SARS-CoV-2 ORF10 impairs cilia by enhancing CUL2ZYG11B activity. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	22
138	Primary Cilia in Pancreatic $\beta$ - and $\delta$ -Cells: Time to Revisit the Role of Insulin-Degrading Enzyme. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	1
140	Mitochondrial dysfunction compromises ciliary homeostasis in astrocytes. <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	15
141	Variable phenotypes and penetrance between and within different zebrafish ciliary transition zone mutants. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	3
142	Analysis of genome-wide knockout mouse database identifies candidate ciliopathy genes. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
143	FOXA1 is a transcriptional activator of <i>Odf2/Cenexin</i> and regulates primary ciliation. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
144	A targeted multi-proteomics approach generates a blueprint of the ciliary ubiquitinome. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	11
145	Trisomy 21 induces pericentrosomal crowding delaying primary ciliogenesis and mouse cerebellar development. <i>ELife</i> , 0, 12, .	2.8	6

#	ARTICLE	IF	CITATIONS
146	Deficiency of the minor spliceosome component U4atac snRNA secondarily results in ciliary defects in human and zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	1
147	Schmidtea mediterranea as a Model Organism to Study the Molecular Background of Human Motile Ciliopathies. International Journal of Molecular Sciences, 2023, 24, 4472.	1.8	1
148	Congenital hydrocephalus: new Mendelian mutations and evidence for oligogenic inheritance. Human Genomics, 2023, 17, .	1.4	4
149	Identification of a heterogeneous and dynamic ciliome during embryonic development and cell differentiation. Development (Cambridge), 2023, 150, .	1.2	4