

CITATION REPORT

List of articles citing

Multiplex qPCR discriminates variants of concern to enhance global surveillance of SARS-CoV-2

DOI: 10.1371/journal.pbio.3001236
PLoS Biology, 2021, 19, e3001236.

Source: <https://exaly.com/paper-pdf/80593364/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
155	Epidemiological dynamics of SARS-CoV-2 VOC Gamma in Rio de Janeiro, Brazil. 2021 , 7, veab087		7
154	Early introductions and community transmission of SARS-CoV-2 variant B.1.1.7 in the United States. 2021 ,		9
153	Affordable and time-effective high throughput screening of SARS-CoV-2 variants using Denaturing High-Performance Liquid Chromatography analysis.		5
152	Early introductions and transmission of SARS-CoV-2 variant B.1.1.7 in the United States. 2021 , 184, 2595-2604. 513		5
151	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection in vaccinated and unvaccinated healthcare personnel in a VeteransSAffairs healthcare system. 2021 , 1-2		4
150	Sensitive Immunodetection of Severe Acute Respiratory Syndrome Coronavirus 2 Variants of Concern 501Y.V2 and 501Y.V1. 2021 , 224, 616-619		1
149	Monitoring emergence of SARS-CoV-2 B.1.1.7 Variant through the Spanish National SARS-CoV-2 Wastewater Surveillance System (VATar COVID-19) from December 2020 to March 2021.		3
148	Large-scale screening of asymptomatic for SARS-CoV-2 variants of concern and rapid P.1 takeover, Curitiba, Brazil.		2
147	A stem-loop RNA RIG-I agonist confers prophylactic and therapeutic protection against acute and chronic SARS-CoV-2 infection in mice. 2021 ,		5
146	High-throughput Mutational Surveillance of the SARS-CoV-2 Spike Gene.		2
145	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 lineages. 2021 ,		4
144	Epidemiological dynamics of SARS-CoV-2 VOC Gamma in Rio de Janeiro, Brazil.		2
143	The Emergence of SARS-CoV-2 Variant Lambda (C.37) in South America.		7
142	Immunogenicity and safety of the CoronaVac inactivated vaccine in patients with autoimmune rheumatic diseases: a phase 4 trial. 2021 , 27, 1744-1751		62
141	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity in uninfected and previously infected individuals.		11
140	Inferring Transmission Fitness Advantage of SARS-CoV-2 Variants of Concern in Wastewater Using Digital PCR.		1
139	Single-Amplicon Multiplex Real-Time Reverse Transcription-PCR with Tiled Probes To Detect SARS-CoV-2 Mutations Associated with Variants of Concern. <i>Journal of Clinical Microbiology</i> , 2021 , 59, e0144621	9.7	8

138	Quantitative SARS-CoV-2 tracking of variants Delta, Delta plus, Kappa and Beta in wastewater by allele-specific RT-qPCR.	3
137	Evolutionary trajectory of SARS-CoV-2 and emerging variants. 2021 , 18, 166	30
136	A Sanger-based approach for scaling up screening of SARS-CoV-2 variants of interest and concern. 2021 , 92, 104910	10
135	SARS-CoV-2 Variants. 2021 , Publish Ahead of Print,	0
134	Monitoring Emergence of the SARS-CoV-2 B.1.1.7 Variant through the Spanish National SARS-CoV-2 Wastewater Surveillance System (VATar COVID-19). 2021 , 55, 11756-11766	7
133	The next phase of SARS-CoV-2 surveillance: real-time molecular epidemiology. 2021 , 27, 1518-1524	49
132	Global landscape of SARS-CoV-2 genomic surveillance, public availability extent of genomic data, and epidemic shaped by variants. 2021 ,	0
131	Variant abundance estimation for SARS-CoV-2 in wastewater using RNA-Seq quantification. 2021 ,	3
130	SARS-CoV-2 variants in Paraguay: Detection and surveillance with a readily modifiable, multiplex real-time RT-PCR.	1
129	Current diagnostic approaches to detect two important betacoronaviruses: Middle East respiratory syndrome coronavirus (MERS-CoV) and severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). 2021 , 225, 153565	0
128	Monitoring the SARS-CoV-2 pandemic: screening algorithm with single nucleotide polymorphism detection for the rapid identification of established and emerging variants. 2021 ,	8
127	High-Throughput Adaptable SARS-CoV-2 Screening for Rapid Identification of Dominant and Emerging Regional Variants.	
126	Landscape of SARS-CoV-2 genomic surveillance, public availability extent of genomic data, and epidemic shaped by variants: a global descriptive study.	1
125	Rapid Automated Screening for SARS-CoV-2 B.1.617 Lineage Variants (Delta/Kappa) through a Versatile Toolset of qPCR-Based SNP Detection. 2021 , 11,	3
124	Evaluation of two RT-PCR screening assays for identifying SARS-CoV-2 variants. 2021 , 143, 104969	6
123	Detection of SARS-CoV-2 variant B.1.1.7 in a cat in Germany. 2021 , 140, 229-232	5
122	SARS-CoV-2 detection in wastewater using multiplex quantitative PCR. 2021 , 797, 148890	2
121	Seq12, Seq12m, and Seq13m, peptide analogues of the spike glycoprotein shows antiviral properties against SARS-CoV-2: An study through molecular docking, molecular dynamics simulation, and MM-PB/GBSA calculations. 2021 , 1246, 131113	6

120	Genomic surveillance of SARS-CoV-2 tracks early interstate transmission of P.1 lineage and diversification within P.2 clade in Brazil. 2021 , 15, e0009835		9
119	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. 2021 ,		71
118	Progress and challenges in virus genomic epidemiology. 2021 , 37, 1038-1049		4
117	Surveillance of SARS-CoV-2 lineage B.1.1.7 in Slovakia using a novel, multiplexed RT-qPCR assay. <i>Scientific Reports</i> , 2021 , 11, 20494	4.9	6
116	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA. 2021 ,		14
115	SARS-CoV-2 UK, South African and Brazilian Variants in Karachi- Pakistan. 2021 , 8, 724208		0
114	Profiling RT-LAMP tolerance of sequence variation for SARS-CoV-2 RNA detection.		
113	The Emergence of Sars-CoV-2 Variant Lambda (C.37) in South America. 2021 , 9, e0078921		19
112	RT-qPCR assays for SARS-CoV-2 variants of concern in wastewater reveals compromised vaccination-induced immunity. <i>Water Research</i> , 2021 , 207, 117808	12.5	9
111	Equipment-free detection of SARS-CoV-2 and Variants of Concern using Cas13. 2021 ,		2
110	Highly-Sensitive Lineage Discrimination of SARS-CoV-2 Variants through Allele-Specific Probe Polymerase Chain Reaction.		
109	Looking for a needle in a haystack. SARS-CoV-2 variant characterization in sewage. 2021 , 24, 100308		1
108	High-Throughput Adaptable SARS-CoV-2 Screening for Rapid Identification of Dominant and Emerging Regional Variants.. 2022 ,		0
107	A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. 2022 , 219,		11
106	emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: A case report.. 2021 ,		2
105	SARS-CoV-2 Variants and Their Relevant Mutational Profiles: Update Summer 2021. 2021 , e0109621		9
104	CRISPR-Cas12a-Based Detection for the Major SARS-CoV-2 Variants of Concern. 2021 , e0101721		6
103	A Strategy to Detect Emerging Non-Delta SARS-CoV-2 Variants with a Monoclonal Antibody Specific for the N501 Spike Residue. 2021 , 11,		0

102	Large-Scale Screening of Asymptomatic Persons for SARS-CoV-2 Variants of Concern and Gamma Takeover, Brazil. 2021 , 27, 3124-3127	5
101	Rapid Identification of SARS-CoV-2 Variants of Concern Using a Portable PCR Platform. 2021 ,	4
100	Immunogenicity and safety of two doses of the CoronaVac SARS-CoV-2 vaccine in SARS-CoV-2 seropositive and seronegative patients with autoimmune rheumatic diseases in Brazil: a subgroup analysis of a phase 4 prospective study.. 2021 ,	2
99	Whole-genome sequencing of SARS-COV-2 showed wide spread of B.1.525 in February 2021 in Libya. 2021 , 16, 2001210	0
98	An expanded high throughput RT-PCR assay to rapidly identify all known SARS-CoV-2 variants of concern using melting temperature coding.	
97	Rapid detection of the widely circulating B.1.617.2 (Delta) SARS-CoV-2 variant.. 2022 ,	2
96	Genomic Surveillance Enables the Identification of Co-infections With Multiple SARS-CoV-2 Lineages in Equatorial Guinea.. 2021 , 9, 818401	2
95	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons.	2
94	Viral dynamics and duration of PCR positivity of the SARS-CoV-2 Omicron variant.	18
93	Developing an Amplification Refractory Mutation System-Quantitative Reverse Transcription-PCR Assay for Rapid and Sensitive Screening of SARS-CoV-2 Variants of Concern.. 2022 , e0143821	2
92	Detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and its first variants in fourplex real-time quantitative reverse transcription-PCR assays.. 2022 , 9, 1-20	0
91	Editorial: The 2022 World Health Organization (WHO) Priority Recommendations and Response to the Omicron Variant (B.1.1.529) of SARS-CoV-2.. 2022 , 28, e936199	1
90	SARS-CoV-2 multiplex RT-PCR to detect variants of concern (VOCs) in Malaysia, between January to May 2021.. 2022 , 301, 114462	4
89	Multiplexed CRISPR-based microfluidic platform for clinical testing of respiratory viruses and identification of SARS-CoV-2 variants.. 2022 ,	12
88	Evaluation of a Rapid and Accessible RT-qPCR Approach for SARS-CoV-2 Variant of Concern Identification.	0
87	Importance of sample input volume for accurate SARS-CoV-2 qPCR testing.. 2022 , 1199, 339585	1
86	Multiplexed CRISPR-based microfluidic platform for clinical testing of respiratory viruses and SARS-CoV-2 variants.	2
85	Microfluidic point-of-care device for detection of early strains and B.1.1.7 variant of SARS-CoV-2 virus.. 2022 ,	1

84	Assessment of Mutations Associated With Genomic Variants of SARS-CoV-2: RT-qPCR as a Rapid and Affordable Tool to Monitoring Known Circulating Variants in Chile, 2021.. 2022 , 9, 841073		0
83	Results from a Test-to-Release from Isolation Strategy Among Fully Vaccinated National Football League Players and Staff Members with COVID-19 - United States, December 14-19, 2021.. 2022 , 71, 299-305		3
82	Case Report: SARS-CoV-2 Gamma Isolation From Placenta of a Miscarriage in Midwest, Brazil.. 2022 , 9, 839389		0
81	A Rapid and Consistent Method to Identify Four SARS-CoV-2 Variants during the First Half of 2021 by RT-PCR.. 2022 , 10,		0
80	A Sanger sequencing-based method for a rapid and economic generation of SARS-CoV-2 epidemiological data: A proof of concept study to assess the prevalence of the A23403G SNP (D614G) mutation in Quito, Ecuador.. 11, 383		
79	Identifying SARS-CoV-2 Variants of Concern through saliva-based RT-qPCR by targeting recurrent mutation sites.. 2022 ,		
78	Optimization and Application of a Multiplex Digital PCR Assay for the Detection of SARS-CoV-2 Variants of Concern in Belgian Influent Wastewater.. <i>Viruses</i> , 2022 , 14,	6.2	2
77	Using Spike Gene Target Failure to Estimate Growth Rate of the Alpha and Omicron Variants of SARS-CoV-2.. <i>Journal of Clinical Microbiology</i> , 2022 , e0257321	9.7	0
76	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA.. 2022 , 3, 100583		9
75	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report.. 2022 , 13, 1547		6
74	Global landscape of SARS-CoV-2 genomic surveillance and data sharing.. 2022 ,		7
73	Clinical Evaluation of a Fully-Automated High-Throughput Multiplex Screening-Assay to Detect and Differentiate the SARS-CoV-2 B.1.1.529 (Omicron) and B.1.617.2 (Delta) Lineage Variants.. <i>Viruses</i> , 2022 , 14,	6.2	0
72	Highly Sensitive Lineage Discrimination of SARS-CoV-2 Variants through Allele-Specific Probe PCR.. <i>Journal of Clinical Microbiology</i> , 2022 , e0228321	9.7	0
71	Novel assays for molecular detection of SARS-CoV-2. 2022 ,		0
70	Inferring transmission fitness advantage of SARS-CoV-2 variants of concern from wastewater samples using digital PCR, Switzerland, December 2020 through March 2021.. 2022 , 27,		1
69	Profiling RT-LAMP tolerance of sequence variation for SARS-CoV-2 RNA detection.. <i>PLoS ONE</i> , 2022 , 17, e0259610	3.7	0
68	Assessment of Clinical Effectiveness of BNT162b2 COVID-19 Vaccine in US Adolescents.. 2022 , 5, e220935		2
67	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons.. 2022 ,		10

66	Loop-Mediated Isothermal Amplification Detection of SARS-CoV-2 and Myriad Other Applications.. 2021 , 32, 228-275		2
65	Dynamics of SARS-CoV-2 Variants of Concern in Brazil, Early 2021.. 2021 , 9, 784300		1
64	Multiplex RT-qPCR assay (N200) to detect and estimate prevalence of multiple SARS-CoV-2 Variants of Concern in wastewater.		1
63	A pyrosequencing protocol for rapid identification of SARS-CoV-2 variants.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	2
62	SARS-CoV-2 Delta and Omicron Variants Surge in Curitiba, Southern Brazil, and Its Impact on Overall COVID-19 Lethality.. <i>Viruses</i> , 2022 , 14,	6.2	3
61	Evaluation of a Rapid and Accessible Reverse Transcription-Quantitative PCR Approach for SARS-CoV-2 Variant of Concern Identification.. <i>Journal of Clinical Microbiology</i> , 2022 , e0017822	9.7	0
60	OUP accepted manuscript.		0
59	SARS-CoV-2 Variants in Paraguay: Detection and Surveillance with an Economical and Scalable Molecular Protocol. <i>Viruses</i> , 2022 , 14, 873	6.2	0
58	Identifying SARS-CoV-2 Variants of Concern through Saliva-Based RT-qPCR by Targeting Recurrent Mutation Sites.. 2022 , e0079722		0
57	SARS-CoV-2 and Influenza A virus: Dual diagnostics and vaccines.. 2022 , 102, 106653		0
56	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota.. 2022 , 5, 439		1
55	Use of saliva and RT-PCR screening for SARS-CoV-2 variants of concern: Surveillance and monitoring.. <i>Journal of Medical Virology</i> , 2022 ,	19.7	0
54	Duplex One-Step RT-qPCR Assays for Simultaneous Detection of Genomic and Subgenomic RNAs of SARS-CoV-2 Variants. <i>Viruses</i> , 2022 , 14, 1066	6.2	
53	Clinical validation of 3D-printed nasopharyngeal and oropharyngeal swabs for SARS-CoV-2 RT-PCR.		
52	Simplified Cas13-based assays for the fast identification of SARS-CoV-2 and its variants. <i>Nature Biomedical Engineering</i> ,	19	0
51	A robust, highly multiplexed mass spectrometry assay to identify SARS-CoV-2 variants.		
50	RT-RPA-Cas12a-based discrimination of SARS-CoV-2 variants of concern.		
49	Real-time allelic assays of SARS-CoV-2 variants to enhance sewage surveillance. <i>Water Research</i> , 2022 , 118686	12.5	1

48	National Scale Real-Time Surveillance of SARS-CoV-2 Variants Dynamics by Wastewater Monitoring in Israel. <i>Viruses</i> , 2022 , 14, 1229	6.2	1
47	Evaluation of a commercial SARS-CoV-2 multiplex PCR genotyping assay for variant identification in resource-scarce settings. <i>PLoS ONE</i> , 2022 , 17, e0269071	3.7	1
46	Multiplex Technologies in COVID-19 Research, Diagnostics, and Prognostics: Battling the Pandemic. <i>Methods in Molecular Biology</i> , 2022 , 3-20	1.4	0
45	Molecular characteristics, immune evasion, and impact of SARS-CoV-2 variants. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7,	21	7
44	Combination of Isothermal Recombinase-Aided Amplification and CRISPR-Cas12a-Mediated Assay for Rapid Detection of Major Severe Acute Respiratory Syndrome Coronavirus 2 Variants of Concern. <i>Frontiers in Microbiology</i> , 13,	5.7	2
43	A Method for Variant Agnostic Detection of SARS-CoV-2, Rapid Monitoring of Circulating Variants, and Early Detection of Emergent Variants Such as Omicron. <i>Journal of Clinical Microbiology</i> ,	9.7	0
42	Detecting lineage-defining mutations in SARS-CoV-2 using colorimetric RT-LAMP without probes or additional primers. <i>Scientific Reports</i> , 2022 , 12,	4.9	0
41	Rapid and Affordable High Throughput Screening of SARS-CoV-2 Variants Using Denaturing High-Performance Liquid Chromatography Analysis. <i>Frontiers in Virology</i> , 2,		
40	Accelerated SARS-CoV-2 intrahost evolution leading to distinct genotypes during chronic infection.		1
39	Validation and advantages of using novel RT-qPCR melting curve analysis assays for the identification of SARS-CoV-2 variants. 2022 , 12,		
38	Effectiveness of SARS-CoV-2 Vaccines for Short- and Long-Term Immunity: A General Overview for the Pandemic Contrast. 2022 , 23, 8485		1
37	Discrimination of SARS-CoV-2 Omicron Sublineages BA.1 and BA.2 Using a High-Resolution Melting-Based Assay: a Pilot Study.		0
36	SARS-CoV-2 RT-PCR to Screen for B.1.617.2 (Delta) Variant of Concern. 2022 , 12, 2056		0
35	Development, testing and validation of a SARS-CoV-2 multiplex panel for detection of the five major variants of concern on a portable PCR platform.		
34	Development and Validation of an In-House Real-Time Reverse-Transcriptase Polymerase Chain Reaction Assay for SARS-CoV-2 Omicron Lineage Subtyping between BA.1 and BA.2. 2022 , 14, 1760		
33	Two Years into the COVID-19 Pandemic: Lessons Learned.		4
32	Omicron variant (B.1.1.529) and its sublineages: What do we know so far amid the emergence of recombinant variants of SARS-CoV-2?. 2022 , 154, 113522		8
31	Development of an IoT-integrated multiplexed digital PCR system for quantitative detection of infectious diseases.		0

30	Molecular characterization of a new SARS-CoV-2 recombinant cluster XAG identified in Brazil. 9,	3
29	A Robust, Highly Multiplexed Mass Spectrometry Assay to Identify SARS-CoV-2 Variants.	0
28	Evaluation of Variant-Specific Peptides for Detection of SARS-CoV-2 Variants of Concern. 2022 , 21, 2443-2452	0
27	Variant-specific RT-qPCR for rapid screening of B.1.617 mutations in SARS-CoV-2. 2022 , 17,	0
26	Non-uniform aspects of the SARS-CoV-2 intraspecies evolution reopen question of its origin. 2022 , 222, 972-993	0
25	Fast, low-cost and highly specific colorimetric RT-LAMP assays for inference of SARS-CoV-2 Omicron BA.1 and BA.2 lineages.	0
24	Current strategy of SARS-CoV-2 molecular detection.	0
23	Perspective Chapter: Real-Time Genomic Surveillance for SARS-CoV-2 on Center Stage.	0
22	BNT162b2 against COVID-19 in Brazil using a test-negative design: Study protocol and statistical analysis plan. 2022 , 17, e0276384	0
21	Infection of SARS-CoV-2 in domestic dogs associated with owner viral load. 2022 , 153, 61-65	1
20	Lineage abundance estimation for SARS-CoV-2 in wastewater using transcriptome quantification techniques. 2022 , 23,	0
19	Development of pyrosequencing-based assay for genotyping of different coronavirus variants. 2022 , 2, 97-114	0
18	Rapid SARS-CoV-2 Variants Enzymatic Detection (SAVED) by CRISPR-Cas12a.	0
17	SpikeSeq: A rapid, cost efficient and simple method to identify SARS-CoV-2 variants of concern by Sanger sequencing part of the spike protein gene. 2022 , 114648	0
16	Quantifying the impact of immune history and variant on SARS-CoV-2 viral kinetics and infection rebound: a retrospective cohort study. 11,	0
15	The spike gene target failure (SGTF) genomic signature is highly accurate for the identification of Alpha and Omicron SARS-CoV-2 variants. 2022 , 12,	1
14	Emerging Multiplex Nucleic Acid Diagnostic Tests for Combating COVID-19. 2022 , 12, 978	2
13	Severe acute respiratory syndrome coronavirus 2 vaccine breakthrough infections: A single metro-based testing network experience. 9,	0

12	Development, testing and validation of a SARS-CoV-2 multiplex panel for detection of the five major variants of concern on a portable PCR platform. 10,	○
11	SARS-CoV-2 molecular testing and whole genome sequencing following RNA recovery from used BinaxNOW COVID-19 Antigen Self Tests.	○
10	Rapid Assessment of SARS-CoV-2 Variant-Associated Mutations in Wastewater Using Real-Time RT-PCR.	○
9	Accelerated SARS-CoV-2 intrahost evolution leading to distinct genotypes during chronic infection. 2023 , 100943	1
8	SARS-CoV-2 molecular testing and whole genome sequencing following RNA recovery from used BinaxNOW COVID-19 antigen self tests. 2023 , 162, 105426	○
7	CESSAT: A chemical additive-enhanced single-step accurate CRISPR/Cas13 testing system for field-deployable ultrasensitive detection and genotyping of SARS-CoV-2 variants of concern. 2023 , 229, 115238	○
6	An improved method for determining frequency of multiple variants of SARS-CoV-2 in wastewater using qPCR assays. 2023 , 881, 163292	○
5	RT-RPA-Cas12a-based assay facilitates the discrimination of SARS-CoV-2 variants of concern. 2023 , 381, 133433	○
4	Combined Use of RT-qPCR and NGS for Identification and Surveillance of SARS-CoV-2 Variants of Concern in Residual Clinical Laboratory Samples in Miami-Dade County, Florida. 2023 , 15, 593	○
3	Campus Sewage Water Surveillance based dynamics and infection trends of SARS-CoV-2 variants during third wave of COVID-19 in Pune, India.	○
2	Viral kinetics of sequential SARS-CoV-2 infections.	○
1	NASCarD (Nanopore Adaptive Sampling with Carrier DNA): A rapid, PCR-free method for whole genome sequencing of pathogens in clinical samples.	○