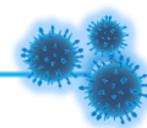


BaseSpace Correlation Engine

COVID-19 専用サーバー無料ライセンスのご紹介。



平素はイルミナ社生命情報検索システム「BaseSpace Correlation Engine (BSCE)」をご利用いただきましてありがとうございます。

イルミナ社は COVID-19 撲滅に対する国際協力の一環としてそのソフトウェアやデータベースの無償提供を行っています。そして現在世界各国で SARS-CoV-2 に関する情報が蓄積されたことを踏まえ BaseSpace Correlation Engine (BSCE) にも COVID-19 研究に携わる方に 6 か月間の無償ライセンスの提供を開始いたします。

JULY 8, 2020 | ESCHEFF

Accelerating Research of SARS-CoV-2 Host Response

As scientists seek to address the COVID-19 pandemic, the study of the human host response to SARS-CoV-2 plays a critical role. It is vital to understand why some individuals become severely ill, what biomarkers may warn of this outcome, what pathways play important roles, and what drugs might represent possible leads for treatment.

Earlier this morning, we released a new collaborative environment to the COVID-19 research community to enable and accelerate SARS-CoV-2 host response research leveraging Illumina's [BaseSpace Correlation Engine](#). Available to the COVID-19 community free-of-charge for 6 months, the new Correlation Engine environment provides a dynamic ecosystem for researchers to put their results into context, accelerating discoveries and enabling hypothesis validation around host responses, biomarker identification and drug discovery.

<https://blog.software.illumina.com/2020/07/08/accelerating-research-of-sars-cov-2-host-response/>

本ライセンスはどなたでも利用できます。

- ・大学官公庁に所属される方、民間の研究機関に所属される方どなたでもご利用になれます。
- ・ご自分のデータを登録して高いセキュリティー管理下の下で解析を行うことができます。
- ・登録したデータを他の研究者と共有して解析を行う設定をデータごとに行うことができます。
- ・既存の公開データの検索方法、データ解析の方法など無償のオンライントレーニングを提供いたします。

Large Collection of Highly Curated Genomic Data

- Preprocessed, Normalized, and Tagged Datasets

Easy To Use Web Platform For Exploring It

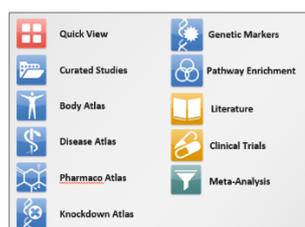
- Billions of associations and correlations pre-computed

- Rich Biomedical Ontology and Semantic Structure

Applications To Correlate Private & Public Data

Secure Collaboration & Data Sharing

SaaS/PaaS platform – Big Data Frameworks



BSCE を用いてできる解析の例

- ・公開された COVID-19 患者の遺伝子発現データや各種論文の検索
- ・SARS-CoV-2 感染による細胞内遺伝子発現の変動
- ・SARS-CoV-2 感染による細胞への影響を抑制する薬剤の探索
- ・変異型 SARS-CoV-2 の細胞内遺伝子への影響の比較 など様々な解析に応用できます。

Pharmac Atlas for Biocet

Biocet from study: Bronchial epithelial NHBE cells infected for 24hr - 2 MOI SARS-CoV-2 strain USA-WA1/2020_vs_mock
Biocet from study: Bronchial epithelial NHBE and lung cancer A549 cells infected with SARS-CoV-2 strain USA-WA1/2020
 Homo sapiens | RNA Expression | 598 features (mapped to 597 genes)

Export Results | Forward | Bookmark

View Biocet Details

CORRELATED COMPOUNDS | CORRELATED STUDIES

Categorize by: Mechanisms of Action | View by: Rank | View all compound studies

Compound Category: Inhibitor

1 to 100 of 389 results

Name	Score	Reporting Data Types	# Studies	Consistent with Query Filter?
■ PB1145	95	HE	1	negative
■ adalimumab	95	HE, HT	9	negative
★ ■ AZD 1152	74	HE	2	negative
■ Bay 65-1942	71	HE	1	negative
■ 1-palmitoyl-2-linoleoylphosphatidylcholine	71	HE	1	negative
■ Unilamellar Liposomes	71	HE	1	negative
■ ustekinumab	65	HE	3	negative
■ SNS 314	65	HE	1	negative
★ ■ etanercept	65	HE	4	negative
■ Brodalumab	65	HE	1	negative
■ Phospholipid Ethars	65	HE	1	negative
★ ■ R788 compound	65	HE	1	negative
■ DNA, Mitochondrial	65	HE	1	negative
■ gefitinib	65	HE	12	negative

QuickView | Curated Studies | Study Atlas | Disease Atlas | Pharmac Atlas | Knockdown Atlas | Genetic Markers | Pathway Enrichment | Literature | Clinical Trials | Meta Analysis

Enter Query Term QuickView Search: Leptotrichum leytense

Correlation Engine Community > Groups

My Groups | Browse Groups | Create Group

Forward | Bookmark

Covid-19 Community

OVERVIEW | MEMBERS

Invite Members | Leave Group

Please use this group to share with others in the community of Covid-19 investigators.

founder: Joe Delaney
 date founded: April 2020
 member since: April 2020
 open enrollment: open enrollment
 membership: Coronavirus infection
 categories:

Project Name	Studies	Owner	Created
Single Cell Sequencing Studies of Interest to Coronavirus Host Infection	7	James Flynn	jan 24, 20
other Coronavirus Curated Studies	2	James Flynn	may 7, 20
SARS-CoV-2 Curated Studies	9	James Flynn	may 7, 20
SARS-CoV-1 Curated Studies	34	James Flynn	may 7, 20
MERS-CoV Curated Studies	11	James Flynn	may 7, 20
Coronavirus Proteomics from publications	3	James Flynn	apr 30, 20
Coronavirus Meta-Signature Development	6	James Flynn	apr 28, 20

現在 COVID-19 の研究に従事されている研究者の方はもちろん、この問題に関心をお持ちの方はどなたでもお気軽に無償ライセンスを獲得して研究に活用してください。

無償ライセンスの入手は下記のサイトから直接お申込みいただくか弊社までご連絡ください。。

<https://jp.illumina.com/company/news-center/press-releases/press-release-details.html?newsid=6a75de1d-9c92-4aee-9217-bf4d767aed56>



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