

BV-BRC Test Report

D15. Experiments Tab

Item to test	Experiments Data Tab for bacterial and host response datasets
URL	https://www.bv-brc.org/view/Taxonomy/1763#view_tab=experiments https://www.bv-brc.org/view/Genome/10090.24#view_tab=experiments
Prerequisites	None
References	https://www.bv-brc.org/docs/quick_references/organisms_taxon/experiments.html
Tester(s)	Rebecca Wattam, Zach Wallace, Ron Kenyon
Test date	10-Feb-22 (original - passed), 9-May-2022 (follow-up - passed)
Test result	Passed

Overview

- Test the Experiment Data Tab with example bacterial and mouse host response datasets.
- Test Filters / facets on the experiment page.
- Select single experiment and review experiment details.
- Test interactive gene list, heatmap viewer, and clustering tool.

Test Results

- Test results were verified by examination of returned data via inspection.
- All operations performed as expected, except download, which did not work.

Mycobacterium:

Taxon View

Bacteria » Actinobacteria » Actinomycetia » Corynebacteriales » Mycobacteriaceae » Mycobacterium (33403 Genomes)

Overview

Phylogeny

Taxonomy

Genomes

AMR Phenotypes

Sequences

Proteins

Protein Structures

Specialty Genes

Domains and Motifs

Epitopes

Pathways

Subsystems

Experiments

Interac

Experiments

Biosets

DOWNLOAD

KEYWORDS

ADV Search

☐	Exp Name	Exp Title	Public Identifier	Exp Type	Biosets	Organism	Strain	Treatment Type	Treatment Name	Treatment Amount	Treatment Duration	
☐	GSE11095	Dose response of	GSE11095	Transcript Quantifi	3	Mycobacterium tuberculosis	Erdman	CO	CO			
☐	GSE24035	Mycobacterium tul	GSE24035	Transcript Quantifi	1	Mycobacterium tuberculosis	H37Rv	Chelerythrine	Chelerythrine			
☐	GSE8732	Role of IdeR in Iro	GSE8732	Transcript Quantifi	3	Mycobacterium tuberculosis	H37Rv	iron_mutant,iron,m	iron_mutant,iron,m			
☐	GSE18575	Maltose-1-Phosph	GSE18575	Transcript Quantifi	1	Mycobacterium tuberculosis	H37Rv	mutant vs wild typ	mutant vs wild typ			
☐	GSE37840	Mycobacterium tul	GSE37840	Transcript Quantifi	1	Mycobacterium tuberculosis	H37Rv	mutant vs wild typ	mutant vs wild typ			
☐	GSE11096	Role of M. tubercu	GSE11096	Transcript Quantifi	16	Mycobacterium tuberculosis	H37Rv	CO,NO	CO,NO			
☐	GSE3201	Gene expression c	GSE3201	Transcript Quantifi	12	Mycobacterium tuberculosis	clinical,H37Rv,CDC1551	strain comparison	strain comparison			
☐	GSE16811	The unique roles c	GSE16811	Transcript Quantifi	12	Mycobacterium tuberculosis	H37Rv	mutant vs wild typ	mutant vs wild typ		6 days,24 hrs,4 h	
☐	GSE8786	Mycobacterium tul	GSE8786	Transcript Quantifi	14	Mycobacterium tuberculosis	H37Rv	growth curve,grow	growth curve,grow		0 days,8 days,60	
☐	GSE35362	Infection of bone n	GSE35362	Transcript Quantifi	8	Mycobacterium tuberculosis	H37Rv	infection	infection		12day,6 day,10da	
☐	GSE8829	Rv3133cIdosR is r	GSE8829	Transcript Quantifi	2	Mycobacterium tuberculosis	H37Rv	oxygen	oxygen			
☐	GSE8830	A member of the c	GSE8830	Transcript Quantifi	2	Mycobacterium tuberculosis	H37Rv	mutant vs wild typ	mutant vs wild typ			
☐	GSE59086	Mapping and mani	GSE59086	Transcript Quantifi	209	Mycobacterium tuberculosis	H37Rv	TF overexpression	TF overexpression		18 hrs	
☐	GSE13780	Intracellular expre	GSE13780	Transcript Quantifi	1	Mycobacterium tuberculosis	clinical	mutant vs wild typ	mutant vs wild typ			
☐	GSE8689	Role of the extra	GSE8689	Transcript Quantifi	3	Mycobacterium tuberculosis	H37Rv	diamide,mutant vs	diamide,mutant vs		60 mins,	
☐	GSE18426	Characterization o	GSE18426	Transcript Quantifi	7	Mycobacterium tuberculosis	clinical	mutant vs wild typ	mutant vs wild typ			
☐	GSE9331	Defined hypoxic m	GSE9331	Transcript Quantifi	12	Mycobacterium tuberculosis	H37Rv	hypoxia,mutant,hy	hypoxia,mutant,hy		1 day,8 hrs,7 day	
☐	GSE13998	Transcriptional an	GSE13998	Transcript Quantifi	8	Mycobacterium tuberculosis	H37Rv	mutant vs wild typ	mutant vs wild typ		6 hrs,24 hrs,72 h	
☐	GSE6750	Complex interact	GSE6750	Transcript Quantifi	4	Mycobacterium tuberculosis	H37Rv	SDS,SDS,mutant,	SDS,SDS,mutant,		90 mins,	
☐	GSE22854	Transcriptional pr	GSE22854	Transcript Quantifi	4	Mycobacterium tuberculosis	CDC1551	mutant vs wild typ	mutant vs wild typ			
☐	GSE8839	Inhibition of Respi	GSE8839	Transcript Quantifi	35	Mycobacterium tuberculosis	clinical,H37Rv,CDC1551	DETA:NO,DNO,hy	DETA:NO,DNO,hy		140 mins,,40 min	
☐	GSE5977	Carboxyltransfer	GSE5977	Transcript Quantifi	2	Mycobacterium tuberculosis	H37Rv	growth phase	growth phase			
☐	GSE7539	A PhoP point muta	GSE7539	Transcript Quantifi	7	Mycobacterium tuberculosis	H37Ra,H37Rv	strain comparison	strain comparison			
☐	GSE15608	Functional Genom	GSE15608	Transcript Quantifi	6	Mycobacterium tuberculosis	CDC1551	mutant vs wild typ	mutant vs wild typ		120 mins,,30 min	

1 - 49 of 49 results

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Experiment View

Inhibition of Respiration by Nitric Oxide Induces a Mycobacterium tuberculosis Dormancy Program (35 Biosets)

Overview

Biosets

Inhibition of Respiration by Nitric Oxide Induces a Mycobacterium tuberculosis Dormancy Program

Study Info

PI

Kevin C Visconti

Institution

Stanford Microarray Database (SMD)

Experiment Info

ID

233094

Name

GSE8839

Title

Inhibition of Respiration by Nitric Oxide Induces a Mycobacterium tuberculosis Dormancy Program

Description

An estimated two billion persons are latently infected with Mycobacterium tuberculosis. The host factors that initiate and maintain this latent state and the mechanisms by which M. tuberculosis survives within latent lesions are compelling but unanswered questions. One such host factor may be nitric oxide (NO), a product of activated macrophages that exhibits antimycobacterial properties. Evidence for the possible significance of NO comes from murine models of tuberculosis showing progressive infection in animals unable to produce the inducible isoform of NO synthase and in animals treated with a NO synthase inhibitor. Here, we show that O2 and low, nontoxic concentrations of NO competitively modulate the expression of a 48-gene regulon, which is expressed in vivo and prepares bacilli for survival during long periods of in vitro dormancy. NO was found to reversibly inhibit aerobic respiration and growth. A heme-containing enzyme, possibly the terminal oxidase in the respiratory pathway, likely senses and integrates NO and O2 levels and signals the regulon. These data lead to a model postulating that, within granulomas, inhibition of respiration by NO production and O2 limitation constrains M. tuberculosis replication rates in persons with latent tuberculosis.

Public Repository

GEO

Public Identifier

GSE8839

PubMed

12953092

Experiment Type

Transcript Quantification

Measurement Technique

Microarray

Organism

Mycobacterium tuberculosis

Strain

clinical,H37Rv,CDC1551

Treatment Type

DETA:NO,DNO,hy

Treatment Name

DETA:NO,DNO,hy

Treatment Duration

140 mins,,40 mins,2 hrs,4 days,20 mins,24 hrs,16 hrs,0 days,1 hrs,5 mins,8 hrs

Biosets

35

Genome ID

83332.12

Additional Metadata

None available

Experiment View
Inhibition of Respiration by Nitric Oxide Induces a Mycobacterium tuberculosis Dormancy Program (35 Biosets)

Overview		Biosets													
Study Name	Experiment Name	Experiment Title	Experiment Type	Bioset Name	Bioset Description	Type	Organism	Strain	Treatment Type	Treatment Name	Treatment Amount	Treatment Duration	Result Count		
☐	GSE8839	Inhibition of R Transcript Qu	high aeration			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		
☐	GSE8839	Inhibition of R Transcript Qu	Rv3132-4KO			Differential	Mycobacterium tuberculosis	H37Rv	DNO	DNO		40 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		24 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	Rv3133 Com			Differential	Mycobacterium tuberculosis	H37Rv	DNO	DNO		40 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		5 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM KCN			Differential	Mycobacterium tuberculosis	clinical	KCN,hypoxia	KCN,hypoxia		2 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	MTB1254 Day			Differential	Mycobacterium tuberculosis	clinical	reference	reference		0 days	3839		
☐	GSE8839	Inhibition of R Transcript Qu	low aeration C			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		
☐	GSE8839	Inhibition of R Transcript Qu	H37Rv Rv31			Differential	Mycobacterium tuberculosis	H37Rv	hypoxia	hypoxia		4 days	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		16 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		140 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		1 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	1.0 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		40 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	high aeration			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		24 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	low aeration C			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		
☐	GSE8839	Inhibition of R Transcript Qu	low aeration C			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		
☐	GSE8839	Inhibition of R Transcript Qu	high aeration			Differential	Mycobacterium tuberculosis	clinical	oxygen	oxygen			3839		
☐	GSE8839	Inhibition of R Transcript Qu	2hr Hypoxia /			Differential	Mycobacterium tuberculosis	clinical	hypoxia	hypoxia		2 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.05 mM DET			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		40 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		8 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	H37Rv Rv31			Differential	Mycobacterium tuberculosis	H37Rv	hypoxia	hypoxia		4 days	3839		
☐	GSE8839	Inhibition of R Transcript Qu	high aeration			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		20 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM KCN			Differential	Mycobacterium tuberculosis	clinical	KCN	KCN		1 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	Rv 0.05mM D			Differential	Mycobacterium tuberculosis	H37Rv	DETANO	DETANO		40 mins	3839		
☐	GSE8839	Inhibition of R Transcript Qu	0.5 mM DETA			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO		2 hrs	3839		
☐	GSE8839	Inhibition of R Transcript Qu	high aeration			Differential	Mycobacterium tuberculosis	clinical	DETANO	DETANO			3839		

1 - 35 of 35 results

Heatmap

Filter By

☐

☒

Bioset Name

☐

☒

high aeration 0.005 mM DETA/NO / MTB str

☐

☒

Rv3132-4KO 0.05mM DNO 40m / Control: R

☐

☒

0.5 mM DETA/NO 24hrs 0.5 mM DNO 40min

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☒

Rv3133 Comp 0.05mM DNO 40m / Rv3133 C

☐

☒

0.5 mM DETA/NO 5min / MTB strain 1254 C

☐

☒

0.5 mM KCN 2hr hypoxia / MTB strain 1254 C

☐

☒

MTB1254 Day 0 / MTB1254 Day 0

☐

☒

low aeration 0.001 mM DETA/NO / MTB strain

☐

☒

H37Rv Rv3132-34 KO hypoxia 4 day / H37Rv

☐

☒

0.5 mM DETA/NO 16hrs / MTB strain 1254 C

Filter by one or more keywords or locus tags

Filter by |Log Ratio|:

Filter by P value >=

Filter by |Z-score|:

Filter

☐	ID	Locus Tag	Name	Samples	Up	Down
☐	fig 83332.12.peg.640	Rv0577	27 kDa antigen Cfp30B	35	14	21
☐	fig 83332.12.peg.2562	Rv2289	CDP-diacylglycerol pyrophosphatase	35	7	28
☐	fig 83332.12.peg.1098	Rv0985c	Large-conductance mechanosens	35	11	24
☐	fig 83332.12.peg.327	Rv0295c	Sulfotransferase	35	17	18
☐	fig 83332.12.peg.599	Rv0540	Uncharacterized nucleoside diphos	35	20	15
☐	fig 83332.12.peg.2980	Rv2670c	AFG1 family ATPase	35	9	26
☐	fig 83332.12.peg.3777	Rv3381c	Insertion element IS6110 (Mycoba	35	15	20
☐	fig 83332.12.peg.2059	Rv1847	Putative esterase	34	23	11
☐	fig 83332.12.peg.541	Rv0489	Phosphoglycerate mutase (EC 5.4.3	35	19	16
☐	fig 83332.12.peg.1567	Rv1402	Helicase PriA essential for oriC/Dn	35	10	25
☐	fig 83332.12.peg.1486	Rv1325c	PE_PGRS family protein => PE_P	35	25	10
☐	fig 83332.12.peg.3415	Rv3061c	Acyl-CoA dehydrogenase (EC 1.3.3	34	24	10
☐	fig 83332.12.peg.3688	Rv3300c	Pseudouridine synthase (EC 4.2.1	35	16	19
☐	fig 83332.12.peg.1974	Rv1767	Possible carboxymuconolactone d	35	18	17
☐	fig 83332.12.peg.3774	Rv3379c	1-deoxy-D-xylulose 5-phosphate s	34	28	6
☐	fig 83332.12.peg.4046	Rv3630	putative membrane protein	35	24	11
☐	fig 83332.12.peg.1967	Rv1763	Insertion element IS6110 (Mycoba	35	21	14
☐	fig 83332.12.peg.1306	Rv1161	Respiratory nitrate reductase alpha	35	28	7
☐	fig 83332.12.peg.1265	Rv1129c	XRE family transcriptional regulat	35	19	16
☐	fig 83332.12.peg.3815	Rv3418c	Heat shock protein 10 kDa family c	35	16	19
☐	fig 83332.12.peg.1802	Rv1618	Acyl-CoA thioesterase II (EC 3.1.2	35	2	33
☐	fig 83332.12.peg.4317	Rv3872	PE family protein => PE35, interac	35	12	23
☐	fig 83332.12.peg.3271	Rv2935	Phenolphthiocerol synthesis type-I	35	19	16
☐	fig 83332.12.peg.1133	Rv1018c	N-acetylglucosamine-1-phosphate	35	27	8
☐	fig 83332.12.peg.3512	Rv3146	NADH-ubiquinone oxidoreductase	35	4	31
☐	fig 83332.12.peg.4027	Rv3610c	Cell division-associated, ATP-depe	35	19	16
☐	fig 83332.12.peg.2890	Rv2581c	MRI fold metalloprotease super	35	22	13

1 - 200 of 3839 results

1

2

3

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200

1 - 200 of 3839 results



Mus musculus:

Genome View

Eukaryota » Chordata » Mammalia » Rodentia » Muridae » Mus » Mus musculus » Mus musculus

Overview

AMR Phenotypes

Phylogeny

Genome Browser

Sequences

Proteins

Protein Structures

Specialty Genes

Domains and Motifs

Protein Families

Pathways

Subsystems

Experiments

Interactions

Experiments

Biostats

Download

Keywords

ADV Search

☐	Study Name	Experiment Name	Experiment Title	Experiment Type	Biostat Name	Biostat Description	Type	Organism	Strain	Treatment Type	Treatment Name	Treatment Amount	Treatment Duration	Result Count	☐	
☐	SBRI_AA	SBRI_AA_E1	SBRI_AA_VN	Transcript Qu	SBRI_AA_VN	This is a resu	MS-Proteom	Mus musculus	Not Applicable	Infectious Agt	VN1203(6+2)	1.00E+05 PFI	12	88	☐	
☐	IM005	IM005-P	IM005-P	Protein Quant	IM005_VN121	This is a resu	MS-Proteom	Mus musculus	Not Applicable	Infectious Agt	VN1203-CIPC	1.00E+04 PFI	168	847	☐	
☐	IM101	IM101-R	IM101-R	Transcript Qu	IM101-R_CA	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	A/California/0	10000 PFU	48	330	☐
☐	WCT001	WCT001-R	WCT001-R	Transcript Qu	WCT001-R_V	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	West Nile Vir	100 FFU	24	3886	☐
☐	SM014	SM014-R	SM014-R	Transcript Qu	SM014_nsp1	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	icSARS dNSF	1.00E+05 PFI	24	1	☐
☐	SM014	SM014-R	SM014-R	Transcript Qu	SM014_nsp1	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	icSARS dNSF	1.00E+05 PFI	48	2021	☐
☐	IM102	IM102-R	IM102-R	Transcript Qu	IM102-R_AH	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	AH1-NS1-1C	10000 PFU	48	159	☐
☐	IM002	IM002-R	IM002-R	Transcript Qu	IM002_Mex	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	Mex/4482/09	1.00E+06 PFI	72	1421	☐
☐	IM007	IM007-R	IM007-R	Transcript Qu	IM007_VN121	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	VN1203-CIPC	1.00E+03 PFI	24		☐
☐	WLN002	WLN002-R	WLN002-R	Transcript Qu	WLN002-R_V	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	West Nile Vir	100 FFU	144	3805	☐
☐	IM005	IM005-R	IM005-R	Transcript Qu	IM005_PB2	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	VN1203-CIPC	1.00E+04 PFI	24		☐
☐	DediegoM_AI	DediegoM_AI	DediegoM_AI	Transcript Qu	DediegoM_AI	Differential Ex	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	SARS wild ty	100000 PFU	48	3820	☐
☐	SM003	SM003-R	SM003-R	Transcript Qu	SM003_SAR	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	icSARS CoV	1.00E+05 PFI	48		☐
☐	IM005	IM005-R	IM005-R	Transcript Qu	IM005_PB2	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	VN1203-CIPC	1.00E+04 PFI	96	720	☐
☐	IM006A	IM006A-P	IM006A-P	Protein Quant	IM006A_PB1	This is a resu	MS-Proteom	Mus musculus	Not Applicable	Infectious Agt	VN1203-CIPC	1.00E+03 PFI	96	248	☐	
☐	WLN002	WLN002-R	WLN002-R	Transcript Qu	WLN002-R_V	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	West Nile Vir	100 FFU	48	8311	☐
☐	IM015	IM015-R	IM015-R	Transcript Qu	IM015_B6_C	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	CA04 (H1N1)	1.00E+05 PFI	96		☐
☐	IM001	IM001-R	IM001-R	Transcript Qu	IM001-R_2_1	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	VN1203 (H5N1)	1.00E+03 PFI	48	1002	☐
☐	CA04M001	CA04M001-R	CA04M001-R	Transcript Qu	CA04M001_1	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	CA04 (H1N1)	1.00E+03 PFI	24		☐
☐	IM101	IM101-R	IM101-R	Transcript Qu	IM101-R_VN	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	A/Vietnam/12	476 PFU	24	185	☐
☐	IM101	IM101-R	IM101-R	Transcript Qu	IM101-R_VN	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	A/Vietnam/12	476 PFU	48	3339	☐
☐	IM102	IM102-R	IM102-R	Transcript Qu	IM102-R_AH	Differential ex	Microarray	Di	Mus musculus	C57BL/6J	Infectious Agt	A/Anhui/1/20	10000 PFU	168	4808	☐
☐	SM007	SM007-R	SM007-R	Transcript Qu	SM007_CXCI	This is a resu	Microarray	Di	Mus musculus	Not Applicable	Infectious Agt	SARS CoV M	1.00E+04 PFI	96		☐
☐	SM001	SM001-P	SM001-P	Protein Quant	SM001_MA1	This is a resu	MS-Proteom	Mus musculus	Not Applicable	Infectious Agt	SARS CoV M	1.00E+02 PFI	48	300	☐	

1 - 200 of 324 results

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2

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1 - 200 of 324 results

< 1 2 >

ExperimentsBiosets

DownloadKeywordsADV Search

	Exp Name	Exp Title	Public Identifier	Exp Type	Biosets	Organism	Strain	Treatment Type	Treatment Name	Treatment Amount	Treatment Duration
☐	DediegoM_AUM_	DediegoM_AUM_	GSE59185	Transcript Quantifi	4	Mus musculus		Infectious Agent	SARS small delet	100000 PFU	48
☐	IM010-R	IM010-R	GSE40792	Transcript Quantifi	5	Mus musculus		Infectious Agent	VN1203 (H5N1) I	1.00E+03 PFU	48,144
☐	SM012-R	SM012-R	GSE49262	Transcript Quantifi	8	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+05 PFU	24,48,96,168
☐	CA04M001-P	CA04M001-P	PASS00423	Protein Quantificat	8	Mus musculus		Infectious Agent	CA04 (H1N1) Mo	1.00E+04 PFU,1.0	24,48,96,168
☐	IM009-R	IM009-R	GSE36328	Transcript Quantifi	6	Mus musculus		Infectious Agent	CA04 (H1N1) Mo	1.00E+06 PFU	24,72,120
☐	IM007-R	IM007-R	GSE44445	Transcript Quantifi	8	Mus musculus		Infectious Agent	VN1203-CIP048_f	1.00E+03 PFU,1.0	24,48,96,168
☐	IM015-R	IM015-R	GSE51526	Transcript Quantifi	4	Mus musculus		Infectious Agent	CA04 (H1N1) Mo	1.00E+05 PFU	48,96
☐	IM001-P	IM001-P	PASS00418	Protein Quantificat	11	Mus musculus		Infectious Agent	VN1203 (H5N1) I	1.00E+02 PFU,1.0	24,48,96,168
☐	WLN002-R	WLN002-R	GSE78888	Transcript Quantifi	8	Mus musculus	C57BL/6J	Infectious Agent	West Nile Virus w	100 FFU	24,48,96,144
☐	IM002-R	IM002-R	GSE36328	Transcript Quantifi	12	Mus musculus		Infectious Agent	Bris/59/07 (H1N1)	1.00E+06 PFU	24,72,120
☐	WCB001-R	WCB001-R	GSE77193	Transcript Quantifi	8	Mus musculus	C57BL/6J	Infectious Agent	West Nile Virus w	100 FFU	24,48,96,144
☐	IM101-R	IM101-R	GSE69945	Transcript Quantifi	11	Mus musculus	C57BL/6J	Infectious Agent	A/California/04/09	10000 PFU,476 PI	24,48,96,168
☐	KL002-R	KL002-R	GSE54048	Transcript Quantifi	12	Mus musculus		Infectious Agent	A/Anhui/1/2013 (H	1.00E+05 PFU	24,72,120
☐	IM004-R	IM004-R	GSE37572	Transcript Quantifi	4	Mus musculus		Infectious Agent	VN1203-CIP048_f	1.00E+04 PFU	24,48,96,168
☐	IM006B-R	IM006B-R	GSE44441	Transcript Quantifi	4	Mus musculus		Infectious Agent	VN1203-CIP048_f	1.00E+04 PFU	24,48,96,168
☐	CA04M001-R	CA04M001-R	GSE37569	Transcript Quantifi	16	Mus musculus		Infectious Agent	CA04 (H1N1) Mo	1.00E+03 PFU,1.0	24,48,96,168
☐	IM005-P	IM005-P	PASS00420	Protein Quantificat	4	Mus musculus		Infectious Agent	VN1203-CIP048_f	1.00E+04 PFU	24,48,96,168
☐	SM014-R	SM014-R	GSE49263	Transcript Quantifi	8	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+05 PFU	24,48,96,168
☐	IM006A-R	IM006A-R	GSE43302	Transcript Quantifi	4	Mus musculus		Infectious Agent	VN1203-CIP048_f	1.00E+03 PFU	24,48,96,168
☐	SM007-R	SM007-R	GSE50878	Transcript Quantifi	6	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+04 PFU	48,96,168
☐	SM003-R	SM003-R	GSE50000	Transcript Quantifi	16	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+04 PFU,1.0	24,48,96,168
☐	SM019-R	SM019-R	GSE40824	Transcript Quantifi	4	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+05 PFU	96,168
☐	SM009-R	SM009-R	GSE51387	Transcript Quantifi	4	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+05 PFU	96,168
☐	SM004-R	SM004-R	GSE51386	Transcript Quantifi	6	Mus musculus		Infectious Agent	SARS CoV MA15	1.00E+04 PFU	96,168

OverviewBiosets

CA04M001-R

Study Info	
Name	CA04M001
Title	CA04M001 -A/CA/04/09 (H1N1) infection in C57BL6 mice with variable doses and times post infection.
Description	Purpose: To look at the host response to different doses across 4 time points after infection. Samples were collected for both transcriptomics and proteomics. General Design: 20 week-old C57Bl6 mice; Three Doses = 1E3, 1E4, 1E5, 1E6 (PFU); Time points of 1, 2, 4 and 7 days; ~5 mice/time point for infections; 3 mice/timepoint for time matched mocks
PI	Michael G. Katze, Ralph Baric
Experiment Info	
ID	169
Name	CA04M001-R
Title	CA04M001-R
Description	CA04M001-R: Mouse infections with A/CA/04/2009 (H1N1)
PoC	Lynn Law, University of Washington, Department of Microbiology, Seattle, WA, glilaw@u.washington.edu; Michael Katze , University of Washington, Department of Microbiology, Seattle, WA, honey@u.washington.edu
Experimenters	Lisa Gralinski, Ralph Baric, Michael Katze
Public Repository	GEO
Public Identifier	GSE37569
DOI	10.35094/WF4H-PY09
Experiment Type	Transcript Quantification
Measurement Technique	Array
Experiment Protocol	T002.OP_Qlagen_RNeasy_Mini_Protocol.pdf,T003.OP_Nanochip_Bioanalyzer_protocol.pdf,T004.1P_cRNA_Probe_Synthesis.pdf,T005.OP_4X44K_Hyb_only_protocol.pdf,T006.OP_Operating_the_Agilent_Microarray_Scanner.pdf
Organism	Mus musculus
Treatment Type	Infectious Agent
Treatment Name	CA04 (H1N1) Mock Infection
Treatment Amount	1.00E+03 PFU,1.00E+04 PFU,1.00E+05 PFU,1.00E+06 PFU
Treatment Duration	24,48,96,168
Biosets	16
Genome ID	10090.24,10090.24
Additional Metadata	
None available.	

Experiment View
CA04M001-R (16 Biosets)

Overview													Biosets	
Study Name	Experiment Name	Experiment Title	Experiment Type	Bioset Name	Bioset Description	Type	Organism	Strain	Treatment Type	Treatment Name	Treatment Amount	Treatment Duration	Result Count	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_1	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+03 PFI 24				
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_4	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+06 PFI 96			1470	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_7	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+03 PFI 168			612	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_1	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+06 PFI 24				
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_2	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+04 PFI 48				
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_4	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+04 PFI 96			896	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_4	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+03 PFI 96			545	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_4	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+05 PFI 96			1725	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_2	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+05 PFI 48			776	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_1	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+05 PFI 24			1	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_1	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+04 PFI 24				
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_7	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+04 PFI 168			2526	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_7	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+06 PFI 168			2728	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_2	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+03 PFI 48				
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_7	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+05 PFI 168			2872	
☐	CA04M001	CA04M001-R	CA04M001-R Transcript Qu	CA04M001_2	This is a resu	Microarray Di	Mus musculus	Not Applicable	Infectious Agt CA04 (H1N1)	1.00E+06 PFI 48			1323	

Bioset Result

Table								Heatmap	
Filter By								Download	
☐	☒	Bioset Name	☐	ID	Locus Tag	Name	Samples	Up	Down
☐	☒	CA04M001_1day_E3pfu_H1N1	☐	A_51_P432641		chemokine (c-x-c motif) ligand 10	11	11	0
☐	☒	CA04M001_4day_E6pfu_H1N1	☐	A_51_P307076		riken cdna 1190001m18 gene	4	4	0
☐	☒	CA04M001_7day_E3pfu_H1N1	☐	A_52_P67678		riken cdna 1300002k09 gene	9	9	0
☐	☒	CA04M001_1day_E6pfu_H1N1	☐	A_52_P381553		riken cdna 1500005i02 gene	10	10	0
☐	☒	CA04M001_2day_E4pfu_H1N1	☐	A_51_P160083		riken cdna 1500035n22 gene	8	0	8
☐	☒	CA04M001_4day_E4pfu_H1N1	☐	A_51_P199552		riken cdna 1600014c10 gene	7	7	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P148184		riken cdna 1600014c10 gene	8	8	0
☐	☒	CA04M001_4day_E5pfu_H1N1	☐	A_52_P77093		riken cdna 1600014c10 gene	2	2	0
☐	☒	CA04M001_2day_E5pfu_H1N1	☐	A_51_P236991		riken cdna 1700001p01 gene	5	5	0
☐	☒	CA04M001_1day_E5pfu_H1N1	☐	A_52_P284470		riken cdna 1700001p01 gene	4	4	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P52946		riken cdna 1700013e18 gene	3	1	2
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P1098820		riken cdna 1700016g22 gene	4	4	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P378493		riken cdna 1700021k02 gene	7	0	7
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P625270		riken cdna 1700024g13 gene	8	0	8
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P154427		riken cdna 1810065e05 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P504237		riken cdna 2010106g01 gene	3	3	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P334318		riken cdna 2010110p09 gene	4	0	4
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P229403		riken cdna 2210415f13 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P670766		riken cdna 2210415f13 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P183213		riken cdna 2310007a19 gene	1	0	1
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P470630		riken cdna 2310014i17 gene	2	2	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P500215		riken cdna 2310016f22 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P345073		riken cdna 2310020a21 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P523368		riken cdna 2310020a21 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P453411		riken cdna 2310031a07 gene	10	10	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_52_P300533		riken cdna 2310043m15 gene	5	5	0
☐	☒	CA04M001_4day_E3pfu_H1N1	☐	A_51_P312067		riken cdna 2410004f06 gene	7	7	0
1 - 200 of 4058 results								1 2 3 ... 21	

Table Heatmap

Filter By

↑ ↓ ↕

☐	☒	Bioset Name
☐	☒	CA04M001_1day_E6plu_H1N1
☐	☒	CA04M001_2day_E4plu_H1N1
☐	☒	CA04M001_1day_E3plu_H1N1
☐	☒	CA04M001_7day_E3plu_H1N1
☐	☒	CA04M001_4day_E6plu_H1N1
☐	☒	CA04M001_4day_E5plu_H1N1
☐	☒	CA04M001_4day_E4plu_H1N1
☐	☒	CA04M001_4day_E3plu_H1N1
☐	☒	CA04M001_2day_E5plu_H1N1
☐	☒	CA04M001_2day_E6plu_H1N1

Filter by one or more keywords or locus tags

Filter by |Log Ratio|: 2

Filter by P value >= 0

Filter by |Z-score|: 0

Filter

ID	Locus Tag	Name	Samples	Up	Down
A_51_P503494		activity regulated cytoskeletal-assc	3	1	0
A_52_P852190			3	1	0
A_52_P148289		riken cdna d030028a08 gene	2	1	0
A_52_P294510		fibrinogen-like protein 1	2	2	0
A_51_P444447		oocyte/enhancer binding protein (cl	2	2	0
A_51_P171075		colony stimulating factor 2 (granuk	2	1	0
A_51_P394210		fibroblast activation protein	2	1	0
A_52_P14103		interferon activated gene 205	2	2	0
A_51_P187750		lung-inducible neuralized-related c	2	1	0
A_51_P505372		adp-ribosyltransferase 2b	2	2	0
A_51_P249989		traf2 binding protein	2	1	0
A_51_P515018		hydroxysteroid (17-beta) dehydrog	2	2	0
A_52_P54274		mannan-binding lectin serine pepti	2	2	0
A_51_P513568		syntaxin 11	2	2	0
A_52_P211172		interferon alpha family, gene 12	2	1	0
A_51_P185415		interleukin 5	2	2	0
A_51_P470630		riken cdna 2310014i17 gene	2	1	0
A_52_P907731		hypothetical loc552877	2	1	0
A_51_P303332		mit, microtubule interacting and tre	2	1	0
A_51_P242643		ladybird homeobox 1 homolog (drc	2	1	0
A_52_P996664			2	2	0
A_51_P128397		nuclear receptor subfamily 4, grou	2	1	0
A_51_P137125		myosin binding protein h	2	2	0
A_52_P708015			2	2	0
A_52_P15461		interleukin 15	2	2	0
A_51_P229992			2	2	0
A_52_P52357		torxin family 3, member a	2	2	0

1 - 200 of 1968 results

< 1 2 3 ... 10 >

Table Heatmap

Filter By

↑ ↓ ↕

☐	☒	Bioset Name
☐	☒	CA04M001_1day_E6plu_H1N1
☐	☒	CA04M001_2day_E4plu_H1N1
☐	☒	CA04M001_1day_E3plu_H1N1
☐	☒	CA04M001_7day_E3plu_H1N1
☐	☒	CA04M001_4day_E6plu_H1N1
☐	☒	CA04M001_4day_E5plu_H1N1
☐	☒	CA04M001_4day_E4plu_H1N1
☐	☒	CA04M001_4day_E3plu_H1N1
☐	☒	CA04M001_2day_E5plu_H1N1
☐	☒	CA04M001_2day_E6plu_H1N1

Filter by one or more keywords or locus tags

Filter by |Log Ratio|: 2

Filter by P value >= 0

Filter by |Z-score|: 0

Filter



Search columns...

↑ red - black - green ↓

Cluster Advanced Save SVG

