

GDAAir

SenzaGen AB

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Information

This prediction report was generated using GDAAair version 1.2.1.

Study ID

NIEHSO 20221118 - Experiment H (DMSO)

Time

2025-10-09 09:08:34 EST

User

Amber Edwards

Laboratory

Burleson Research Technologies, Inc.

Comments

BRTGA-099

Data Upload Summary

Assay: GARDair

RLF: GARDair50_C11220

Number of uploaded RCC files: 16

Number of failed QC: 0

Number of unmapped RCC files: 0

Number of Unstimulated control samples: 4

Number of Vehicle control samples: 4

Number of Positive control samples: 4

Predictions

Test item: BRTGA-099

Classification: **Non-sensitizer**

Warnings: No warnings were encountered.

Test item information

- Sample ID: H002p, H008p, H014, H020.
- Main stim: 1, 2, 3, 4.
- Decision values: -0.760, -0.482, -1.58, 1.78.
- Mean decision value: -0.260

Associated control sample information

Unstimulated control

- Sample ID: H006p, H012p, H018, H024p.
- Main stim: 1, 2, 3, 4.

Negative control

- Sample ID: H003p, H009p, H015p, H021.
- Main stim: 1, 2, 3, 4.
- Decision values: -4.31, -1.14, -1.53, -0.176.
- Mean decision value: -1.79.
- Classification: Non-sensitizer.
- Warnings: No warnings were encountered.

Positive control

- Sample ID: H004p, H010p, H016p, H022p.
- Main stim: 1, 2, 3, 4.
- Decision values: 15.2, 10.9, 16.7, 7.80.
- Mean decision value: 12.7.
- Classification: Respiratory sensitizer.
- Warnings: No warnings were encountered.

Prediction Details

Table 1: Prediction details.

Sample	Sample ID	Main Stimulation	Decision Value
BRTGA-099	H002p	1	-0.760
BRTGA-099	H008p	2	-0.482
BRTGA-099	H014	3	-1.58
BRTGA-099	H020	4	1.78
neg ctrl	H003p	1	-4.31
neg ctrl	H009p	2	-1.14
neg ctrl	H015p	3	-1.53
neg ctrl	H021	4	-0.176
pos ctrl	H004p	1	15.2
pos ctrl	H010p	2	10.9
pos ctrl	H016p	3	16.7
pos ctrl	H022p	4	7.80
UnstimCtrl	H006p	1	
UnstimCtrl	H012p	2	
UnstimCtrl	H018	3	
UnstimCtrl	H024p	4	

Uploaded Data

RCC Files

RLF Version

GARDair50_C11220

Table 2: Uploaded RCC files.

File Name	MD5 Checksum	Sample ID
20250415_30103024680626-01_H002p_02.RCC	5fdd1100cda8be02b2929253a2426c7d	H002p
20250415_30103024680626-01_H003p_03.RCC	a110e6f92051b20c742b176edd5244fb	H003p
20250415_30103024680626-01_H004p_04.RCC	64611ea175b08fd5371be196766f5033	H004p
20250415_30103024680626-01_H006p_05.RCC	7ad707ed30a8bcab2982d38169629056	H006p
20250415_30103024680626-01_H008p_07.RCC	a7489547c3dee1bfcd80b6d1a5a42c84	H008p
20250415_30103024680626-01_H009p_08.RCC	7a5640e3f4e78a39ab9b7c6295d1268b	H009p
20250415_30103024680626-01_H012p_10.RCC	e0518b921a05c5f8fb295ec014a80801	H012p
20250422_30103024670626-01_H010p_11.RCC	190abb1ce541844eae13e475b3c878d	H010p
20250422_30103024670626-01_H014_02.RCC	37a5f2682b0e45a18441ea45c96c706d	H014
20250422_30103024670626-01_H015p_03.RCC	767b6ec4f57cb1d341a9288067b7252a	H015p
20250422_30103024670626-01_H016p_04.RCC	1dda3c2b09fe657c295b59d1a4061f35	H016p
20250422_30103024670626-01_H018_05.RCC	e70743409c1bb72cd7abb781a9032a2b	H018
20250422_30103024670626-01_H020_07.RCC	baa936ff9589cd1464d99e1f2d5ade49	H020
20250422_30103024670626-01_H021_08.RCC	56f594fef61e96cb275b3c929780cdd5	H021
20250422_30103024670626-01_H022p_09.RCC	6a0f5c66ba5ecc4dafedf9f8527f5366	H022p
20250422_30103024670626-01_H024p_10.RCC	876e1d9bf75844e9682ae4cb4371bb01	H024p

Annotation File

File Name

Annotation_file_ExpH_GARDair.csv

MD5 Checksum

ff98a50d931deed8ed81d8a072081b9b

Table 3: Uploaded annotation file.

Sample ID	Substance ID	Main Stim #
H002p	BRTGA-099	1
H003p	neg ctrl	1
H004p	pos ctrl	1
H006p	UnstimCtrl	1
H008p	BRTGA-099	2
H009p	neg ctrl	2
H010p	pos ctrl	2
H012p	UnstimCtrl	2
H014	BRTGA-099	3
H015p	neg ctrl	3
H016p	pos ctrl	3
H018	UnstimCtrl	3
H020	BRTGA-099	4
H021	neg ctrl	4
H022p	pos ctrl	4
H024p	UnstimCtrl	4

RCC Data Quality Control

See page below.

Table 4: RCC data quality control.

Sample ID	Imaging Quality	Binding Density	POS_E / LOD	Linearity	Zero Count Genes	Endogenous Below LOD	Passed
H002p	1	0.440	13.1	0.999	0	0	yes
H003p	1	0.360	13.4	0.999	0	0	yes
H004p	1	0.410	15.7	0.999	0	0	yes
H006p	0.990	0.430	15.7	0.999	0	0	yes
H008p	1	0.590	10.7	0.998	0	0	yes
H009p	1	0.390	10.6	0.998	0	0	yes
H012p	1	0.450	13.9	0.998	0	0	yes
H010p	1	0.370	13.5	0.999	0	0	yes
H014	1	0.430	11.8	0.997	0	0	yes
H015p	1	0.400	13.5	0.997	0	0	yes
H016p	1	0.510	12.1	0.999	0	0	yes
H018	1	0.400	9.49	0.997	0	0	yes
H020	1	0.350	11.5	0.997	0	0	yes
H021	1	0.390	12.5	0.998	0	0	yes
H022p	1	0.430	10.8	0.997	0	0	yes
H024p	1	0.510	18.7	0.999	0	0	yes

Runtime Messages

No runtime messages were generated.