

GDAAir

SenzaGen AB

Contents

Information	2
Predictions	3
Test item: BRTGA-021	3
Prediction Details	4
Uploaded Data	5
RCC Files	5
Annotation File	6
RCC Data Quality Control	7
Runtime Messages	9

Information

This prediction report was generated using GDAAair version 1.2.1.

Study ID

NIEHSO 20221118 - Experiment C (BRTGA-21)

Time

2025-12-01 08:20:05 EST

User

Amber Edwards

Laboratory

Burleson Research Technologies, Inc.

Comments

N/A

Data Upload Summary

Assay: GARDair

RLF: GARDair50_C10168

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-021

Classification: **Respiratory sensitizer**

Warnings: No warnings were encountered.

Test item information

- Sample ID: 108p, 236, 261p, C267p.
- Main stim: 2, 7, 9, 10.
- Decision values: 4.32, 9.13, 2.80, 3.58.
- Mean decision value: 4.96

Associated control sample information

Unstimulated control

- Sample ID: 156p, 242, 266p, C284p.
- Main stim: 2, 7, 9, 10.

Negative control

- Sample ID: 152p, 239, 263p, C281p.
- Main stim: 2, 7, 9, 10.
- Decision values: -4.18, -0.461, -1.28, 1.37.
- Mean decision value: -1.14.
- Classification: Non-sensitizer.
- Warnings: No warnings were encountered.

Positive control

- Sample ID: 154, 240, 264, C282.
- Main stim: 2, 7, 9, 10.
- Decision values: 6.55, -4.84, -14.8, 19.8.
- Mean decision value: 1.68.
- Classification: Respiratory sensitizer.
- Warnings: No warnings were encountered.

Prediction Details

Table 1: Prediction details.

Sample	Sample ID	Main Stimulation	Decision Value
BRTGA-021	C267p	10	3.58
BRTGA-021	108p	2	4.32
BRTGA-021	236	7	9.13
BRTGA-021	261p	9	2.80
neg ctrl	C281p	10	1.37
neg ctrl	152p	2	-4.18
neg ctrl	239	7	-0.461
neg ctrl	263p	9	-1.28
pos ctrl	C282	10	19.8
pos ctrl	154	2	6.55
pos ctrl	240	7	-4.84
pos ctrl	264	9	-14.8
unstim ctrl	C284p	10	
unstim ctrl	156p	2	
unstim ctrl	242	7	
unstim ctrl	266p	9	

Uploaded Data

RCC Files

RLF Version

GARDair50_C10168

Table 2: Uploaded RCC files.

File Name	MD5 Checksum	Sample ID
20240529_30102981971125-01_152p_06.RCC	1f9c410108f2821dcfc716460635d759	152p
20240529_30102981971125-01_154_08.RCC	29077428e04999da0c18e91c81353535	154
20240529_30102981971125-01_156p_09.RCC	7732aca6389e64682e5dd663c0874e73	156p
20240719_30103023870626-01_108p_03.RCC	e4720a841d86315d885a92f1bc9e4018	108p
20240724_30103023890626-01_236_12.RCC	60f01dff11a77f6baef284a83d219185	236
20240725_30103023910626-01_239_03.RCC	75a0726225aefdf5fb1cf27269447985	239
20240725_30103023910626-01_240_04.RCC	c41cf95b392c8cf35869327ca6e6a703	240
20240725_30103023910626-01_242_05.RCC	95fbb0c915106a24bee26c79992a4238	242
20240816_30103023950626-01_264_09.RCC	2dc7f9dd1a67057ac7c397640af5b7a1	264
20240820_30103024400626-01_261p_05.RCC	3e6f7f521de69bf2c41d78c2b5cecf1c	261p
20240820_30103024400626-01_263p_07.RCC	50b36d1e7d3435de9f46153c3f720578	263p
20240820_30103024400626-01_266p_08.RCC	2250950d2bc6d2b776b96328e0818a19	266p
20241029_30103024350626-01_C267p_05.RCC	b1d239e9b19b484e1e421d831f177f0f	C267p
20241030_30103024340626-01_C281p_06.RCC	4073baf7169644d11023dccb0bc015b	C281p
20241030_30103024340626-01_C282_07.RCC	917c8126b063d491c4f06bbf37863260	C282
20241030_30103024340626-01_C284p_08.RCC	4028940a3b6255ec0a41e790f27ae18c	C284p

Annotation File

File Name

Annotation_file_ExpC_DMSO.csv

MD5 Checksum

89090af0984a48666dd24d4400c6ca5b

Table 3: Uploaded annotation file.

Sample ID	Substance ID	Main Stim #
108p	BRTGA-021	2
152p	neg ctrl	2
154	pos ctrl	2
156p	unstim ctrl	2
236	BRTGA-021	7
239	neg ctrl	7
240	pos ctrl	7
242	unstim ctrl	7
261p	BRTGA-021	9
263p	neg ctrl	9
264	pos ctrl	9
266p	unstim ctrl	9
C267p	BRTGA-021	10
C281p	neg ctrl	10
C282	pos ctrl	10
C284p	unstim ctrl	10

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
152p	0.995	0.230	9.11	0.972	0	0	yes
154	1	0.210	10.4	0.988	0	1	yes
156p	1	0.230	5.36	0.983	0	2	yes
108p	1	0.150	11.0	0.984	0	0	yes
236	1	0.190	4.59	0.983	0	2	yes
239	1	0.160	4.05	0.952	0	3	yes
240	1	0.180	3.20	0.956	0	3	yes
242	1	0.080	4.84	0.956	1	17	yes
264	1	0.330	3.89	0.957	0	4	yes
261p	1	0.360	14.9	0.999	0	0	yes
263p	1	0.270	14.6	0.997	0	0	yes
266p	0.995	0.300	21.5	0.998	0	0	yes
C267p	0.995	0.270	17.5	0.999	0	0	yes
C281p	1	0.370	13.4	0.999	0	0	yes
C282	1	0.310	8.44	0.997	0	0	yes
C284p	1	0.360	11.0	0.999	0	0	yes

Runtime Messages

No runtime messages were generated.