

GDAA Prediction Report

SenzaGen AB

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Information

This prediction report was generated using GDAA version 2.2.1.

Study ID

NIEHSO 20221118 – Experiment H (GARDskin)

Time

2025-04-23 15:52:27 EST

User

Amber Edwards

Laboratory

Burleson Research Technologies, Inc.

Comments

N/A

Data Upload Summary

Assay: GARDskin

RLF: GPS200_v2_C11371

Number of uploaded RCC files: 15

Number of failed QC: 0

Number of unmapped RCC files: 0

Number of Unstimulated control samples: 3

Number of Negative control samples: 3

Number of Positive control samples: 3

Predictions

Control Samples

Table 1: Predictions on control samples.

Sample	Prediction	Mean Decision Value	Valid Replicates
Unstimulated control			3
Negative control	Non-sensitizer	-1.06	3
Positive control	Sensitizer	7.20	3

Test Substances

Table 2: Predictions on test substances.

Sample	Prediction	Mean Decision Value	Valid Replicates
BRTGA-21	Sensitizer	3.60	3
BRTGA-99	Non-sensitizer	-0.229	3

Prediction Details

Table 3: Prediction details.

Substance ID	Sample ID	Decision Value
neg ctrl	H003p	-0.381
neg ctrl	H009p	-1.15
neg ctrl	H015p	-1.66
pos ctrl	H005p	9.70
pos ctrl	H011p	5.26
pos ctrl	H017	6.62
UnstimCtrl	H006p	-1.03
UnstimCtrl	H012p	-1.14
UnstimCtrl	H018	-1.22
BRTGA-21	H001p	5.59
BRTGA-21	H007p	4.70
BRTGA-21	H013p	0.495
BRTGA-99	H002p	0.582
BRTGA-99	H008p	-0.463
BRTGA-99	H014	-0.804

Uploaded Data

RCC Files

RLF Version

GPS200_v2_C11371

Table 4: Uploaded RCC files.

File Name	MD5 Checksum	Sample ID
20250415_30103024880626-01_H001p_01.RCC	b0f2059e86f03e57febf474ae1dfab07	H001p
20250415_30103024880626-01_H002p_02.RCC	d1b58e1e27c9bd4e0964336f5be21efa	H002p
20250415_30103024880626-01_H003p_03.RCC	401e4dfac3b4db56bef4b6732a4e085b	H003p
20250415_30103024880626-01_H005p_04.RCC	72cfe943ad3b8962b44307fe3c6c4093	H005p
20250415_30103024880626-01_H006p_05.RCC	76e4e0dc424da8121ea6d99a044cecc4	H006p
20250415_30103024880626-01_H007p_06.RCC	14ce8dd2cedc3e7a08abffae5d1eea0	H007p
20250415_30103024880626-01_H008p_07.RCC	8e622b72679c1edfe40d1a76c709a0a1	H008p
20250415_30103024880626-01_H009p_08.RCC	2b5a3114381580cb603b415d92bc99a2	H009p
20250415_30103024880626-01_H011p_09.RCC	39332ee22d234e9d99dddec4445111000	H011p
20250415_30103024880626-01_H012p_10.RCC	59ac1701a8d07d6a3c53ce691dfa3769	H012p
20250418_30103026070726-01_H013p_01.RCC	6a140f6ae3adad192e8d77b8f10ea333	H013p
20250418_30103026070726-01_H014_02.RCC	3caf917095b039d9b782d2443496ed2a	H014
20250418_30103026070726-01_H015p_03.RCC	9f982ab4bba80969f4e9eace855b7aba	H015p
20250418_30103026070726-01_H017_04.RCC	4ba29328863e55cfb3885162dbb26cf1	H017
20250418_30103026070726-01_H018_05.RCC	8571f9b3b2562346c14b63834006ec01	H018

Annotation File

File Name

Annotation_file_ExpH_GARDskin.csv

MD5 Checksum

e8659ff96def12e8e8c9351a7ea42d3a

Table 5: Uploaded annotation file.

Sample ID	Substance ID	Main Stim #
H001p	BRTGA-21	1
H002p	BRTGA-99	1
H003p	neg ctrl	1
H005p	pos ctrl	1
H006p	UnstimCtrl	1
H007p	BRTGA-21	2
H008p	BRTGA-99	2
H009p	neg ctrl	2
H011p	pos ctrl	2
H012p	UnstimCtrl	2
H013p	BRTGA-21	3
H014	BRTGA-99	3
H015p	neg ctrl	3
H017	pos ctrl	3
H018	UnstimCtrl	3

RCC Data Quality Control

See page below.

Table 6: RCC data quality control.

Sample ID	Imaging Quality	Binding Density	POS_E / LOD	Linearity	Zero Count Genes	Endogenous Below LOD	Passed
H001p	1.0000000	0.45	9.549848	0.9996411	0	4	yes
H002p	1.0000000	0.93	4.945069	0.9986712	0	8	yes
H003p	1.0000000	0.69	7.097353	0.9993224	0	6	yes
H005p	1.0000000	1.50	4.486698	0.9992652	0	2	yes
H006p	0.9948454	1.01	4.440817	0.9990763	0	9	yes
H007p	1.0000000	0.87	3.847116	0.9981989	0	6	yes
H008p	1.0000000	1.17	4.514562	0.9979113	0	1	yes
H009p	0.9948454	0.82	5.690141	0.9989918	0	7	yes
H011p	1.0000000	0.68	5.434146	0.9980936	0	8	yes
H012p	1.0000000	0.92	5.588416	0.9994421	0	4	yes
H013p	0.9845361	0.89	4.505359	0.9991907	0	10	yes
H014	0.9948454	0.88	4.170781	0.9966271	0	7	yes
H015p	1.0000000	0.98	3.858133	0.9958919	0	6	yes
H017	1.0000000	0.88	5.102840	0.9970885	0	2	yes
H018	1.0000000	1.03	5.072828	0.9978937	0	4	yes

Runtime Messages

No runtime messages were generated.