

1,REACTOME_MRNA_SPLICING

Value

0.2

0.1

0.0

-0.1

-0.2

-0.3

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

2,SVM Monocytes

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

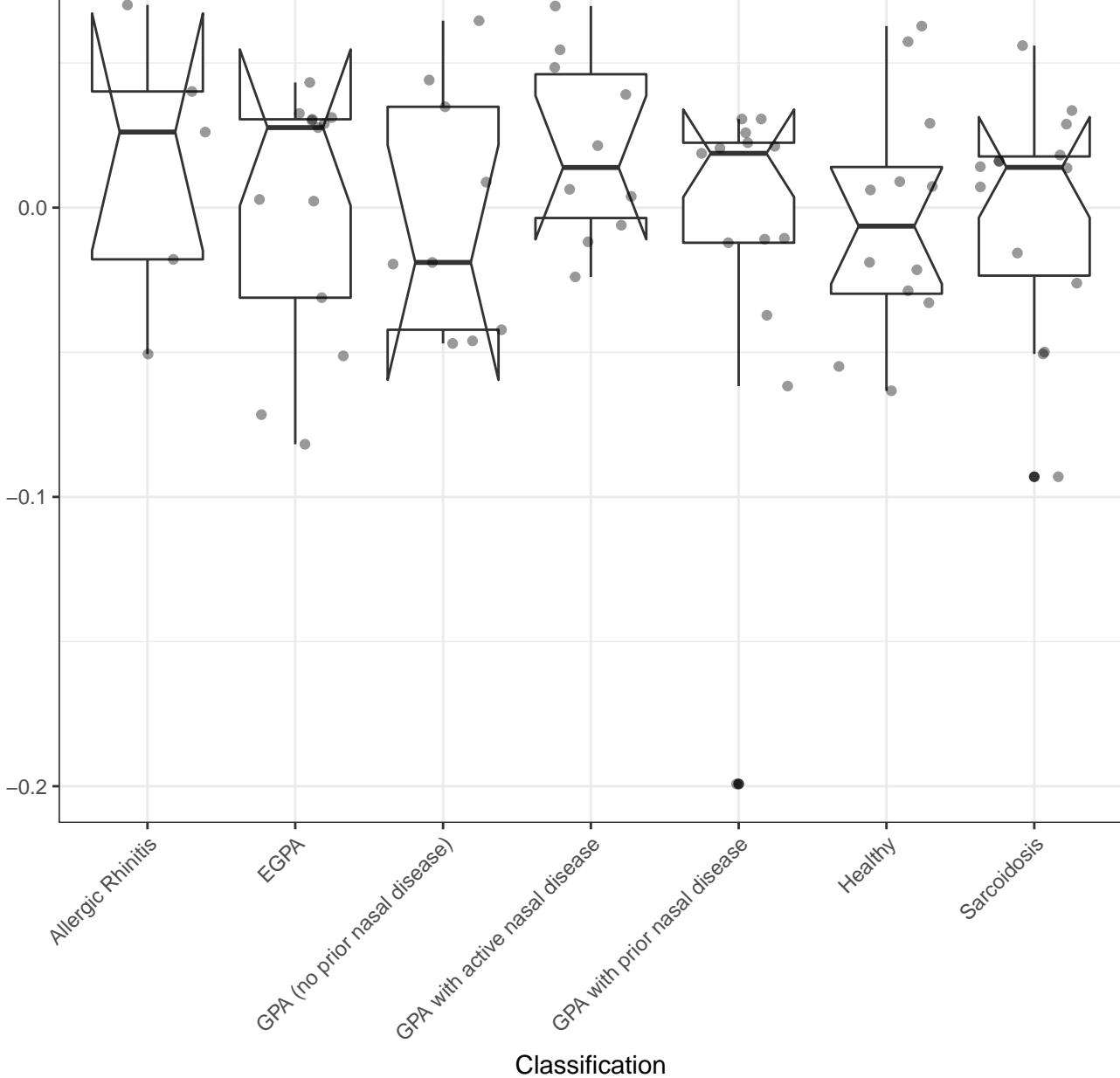
Healthy

Sarcoidosis

Classification

3,REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES

Value



4,REACTOME_NEURONAL_SYSTEM

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 5

Value

0.15

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

7,IRIS_Neutrophil–Resting

Value

0.4

0.2

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

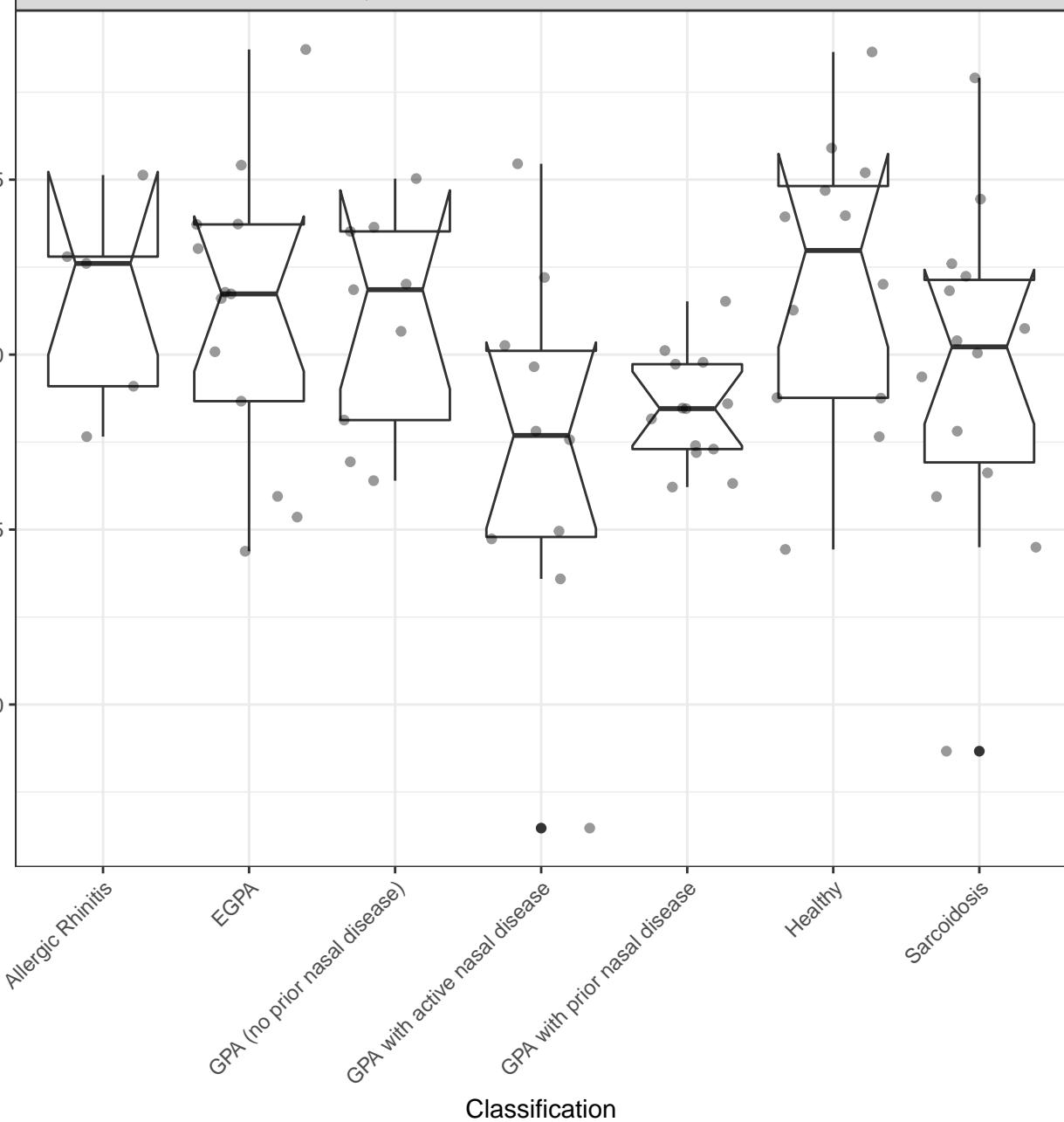
Healthy

Sarcoidosis

Classification

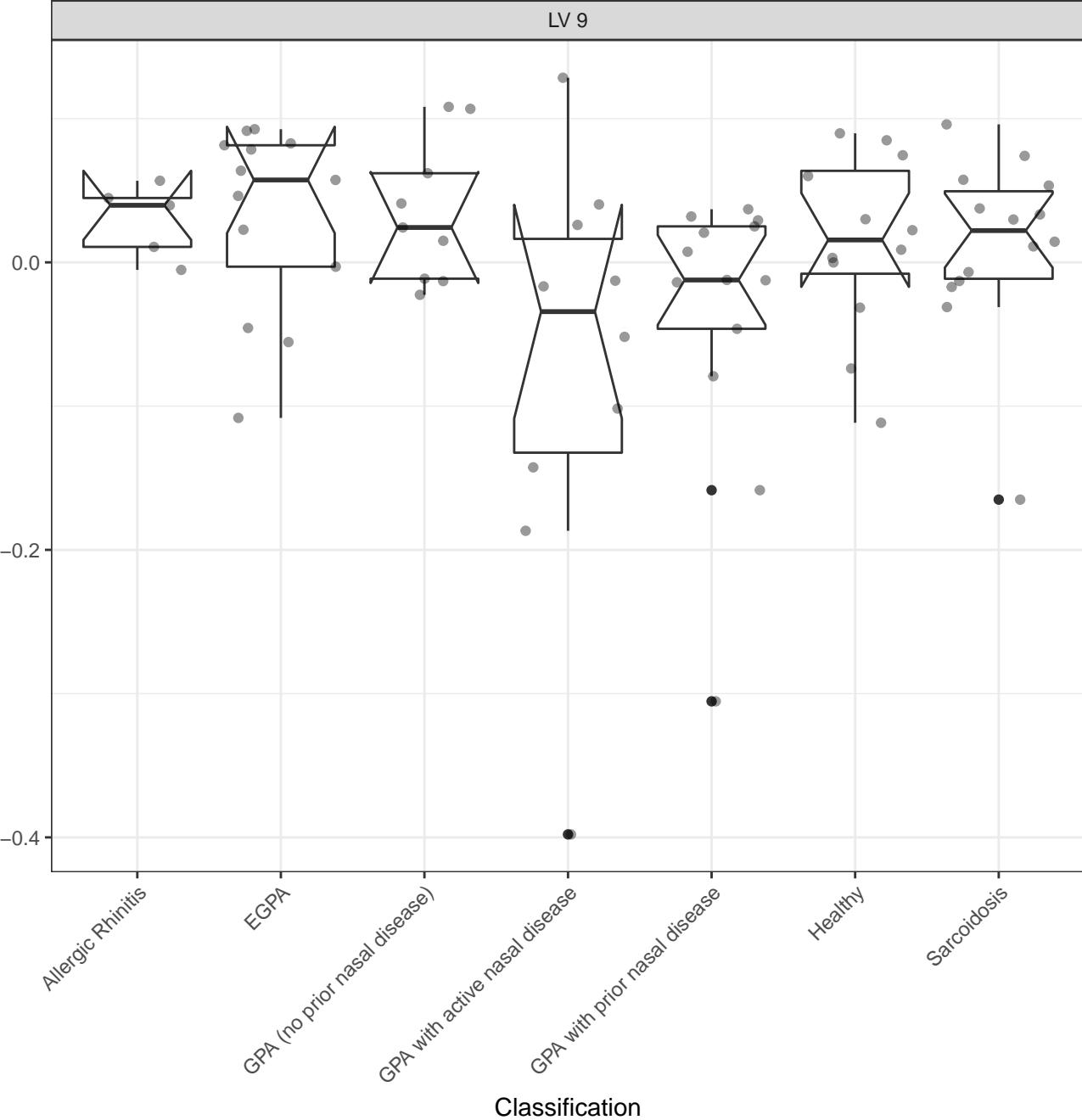
8,KEGG_PPAR_SIGNALING_PATHWAY

Value



LV 9

Value



10,SVM Macrophages M0

Value

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

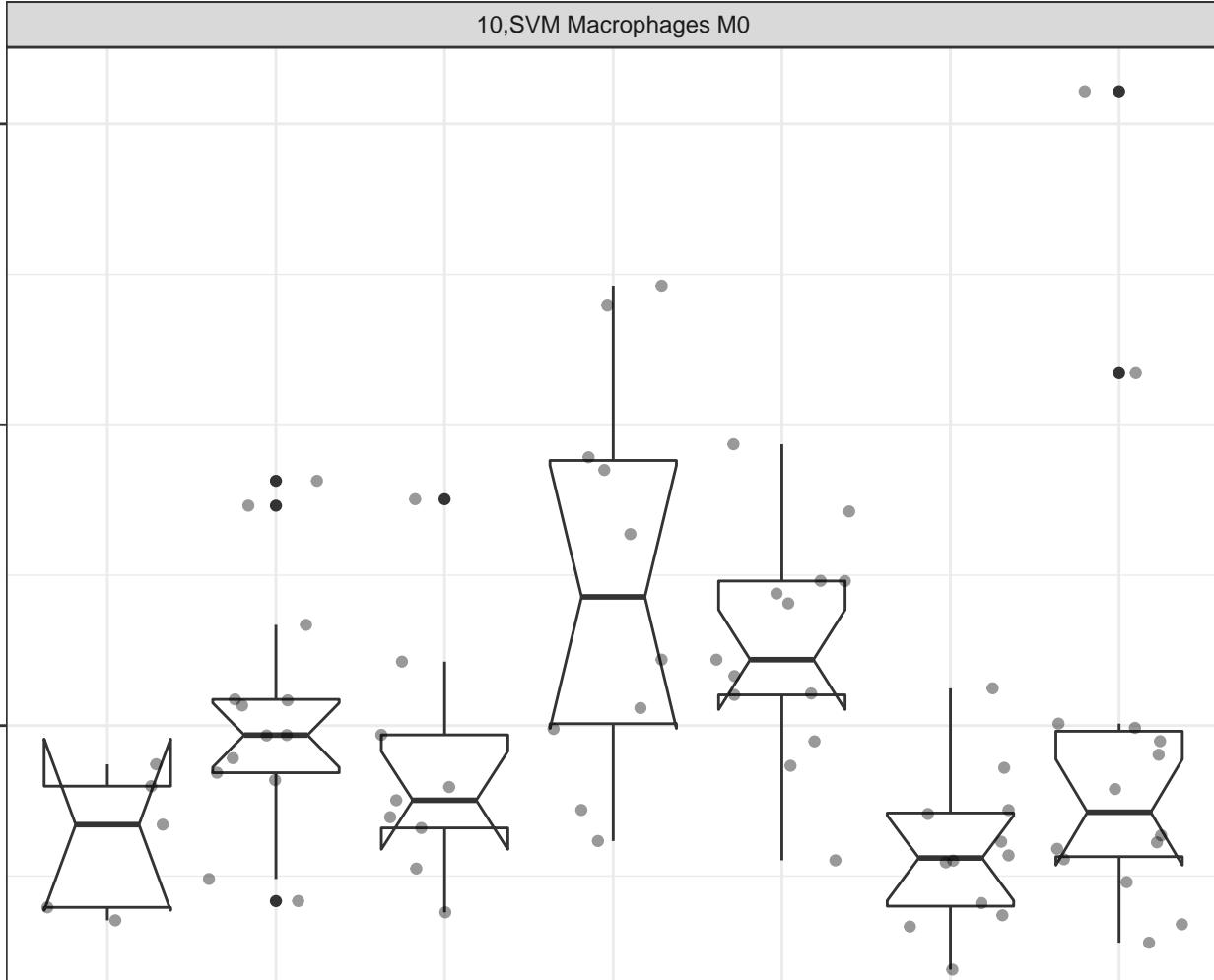
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



LV 11

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

13,REACTOME_GLUCOSE_METABOLISM

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

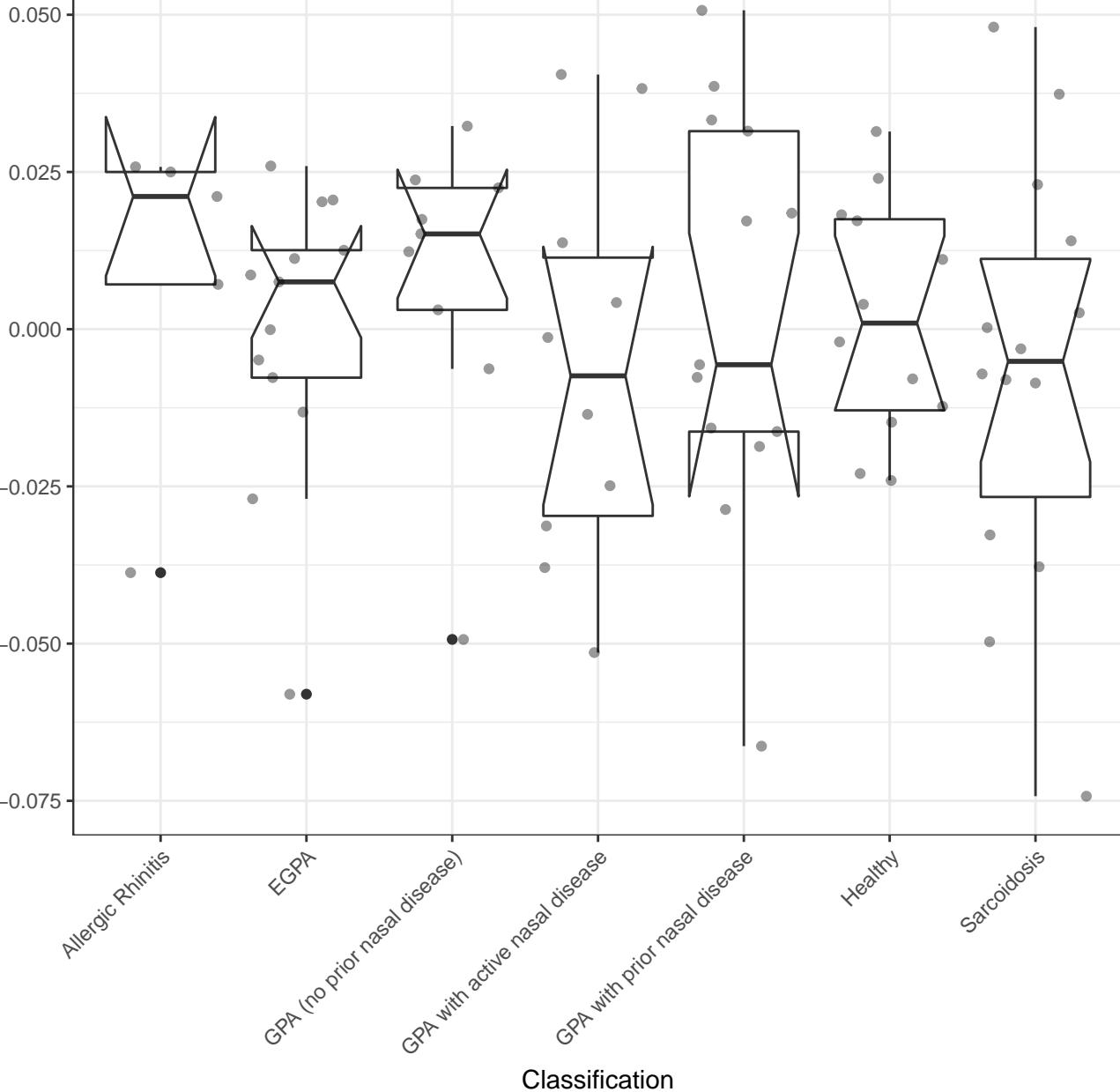
Healthy

Sarcoidosis

Classification

LV 14

Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

17,SVM NK cells resting

Value

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

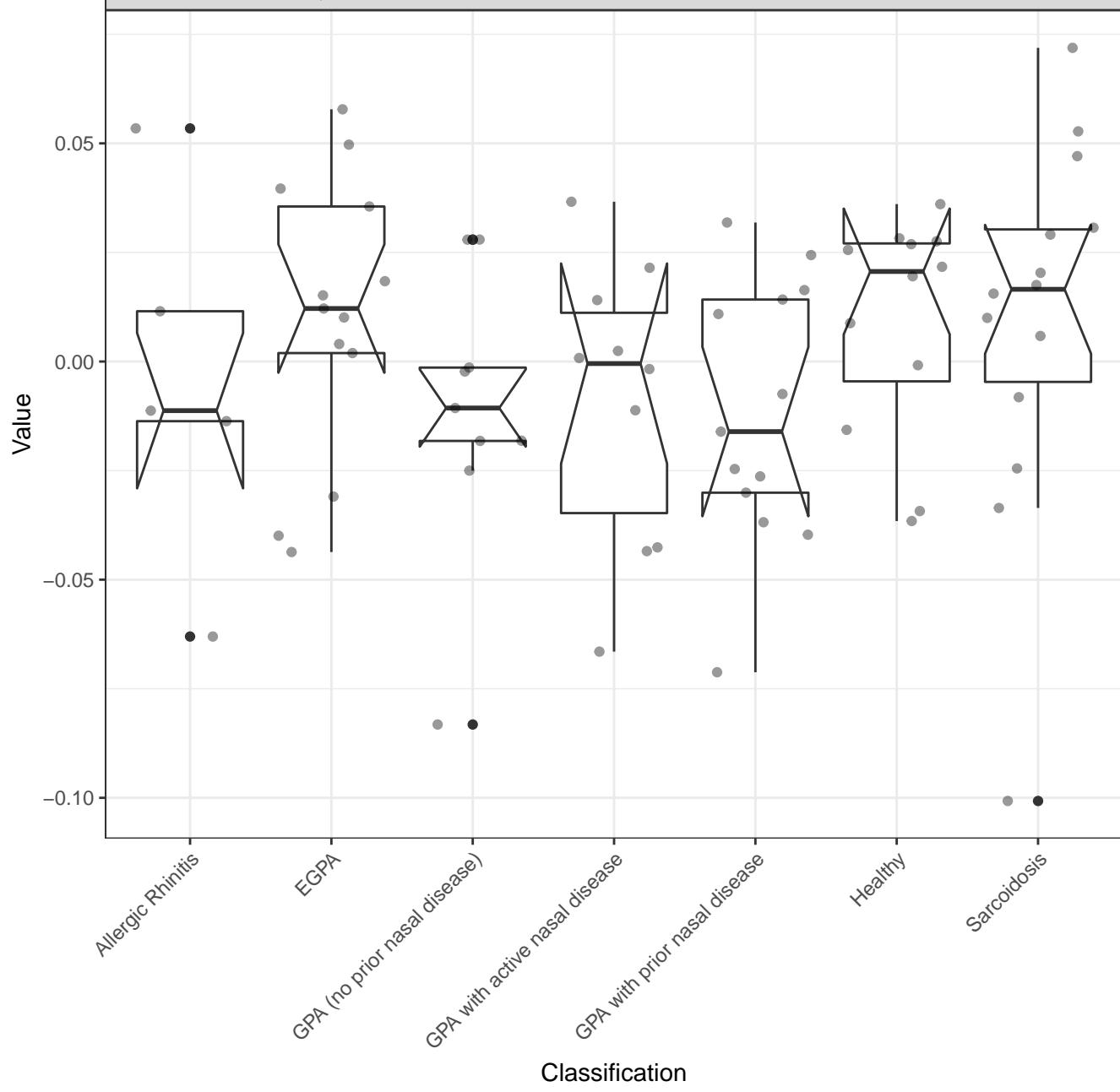
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

18,REACTOME_PHASE1_FUNCTIONALIZATION_OF_COMPOUNDS



Value

0.10

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

20,KEGG_NEUROACTIVE_LIGAND_RECECTOR_INTERACTION

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

22,KEGG_PPAR_SIGNALING_PATHWAY

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

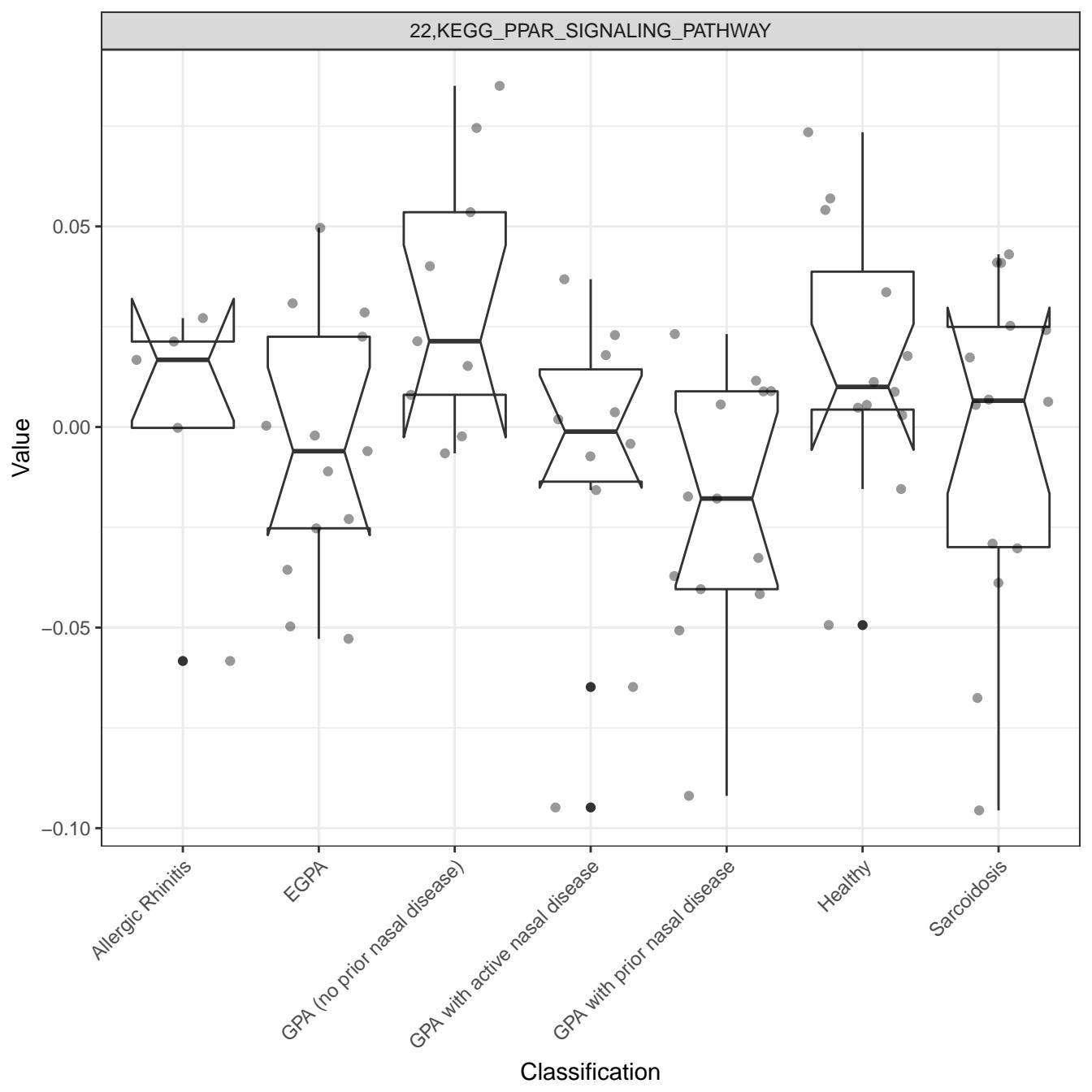
Classification

0.05

0.00

-0.05

-0.10



Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

24,PID_DELTA_NP63PATHWAY

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

25,SVM Macrophages M1

Value

0.3
0.2
0.1
0
-0.1
-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

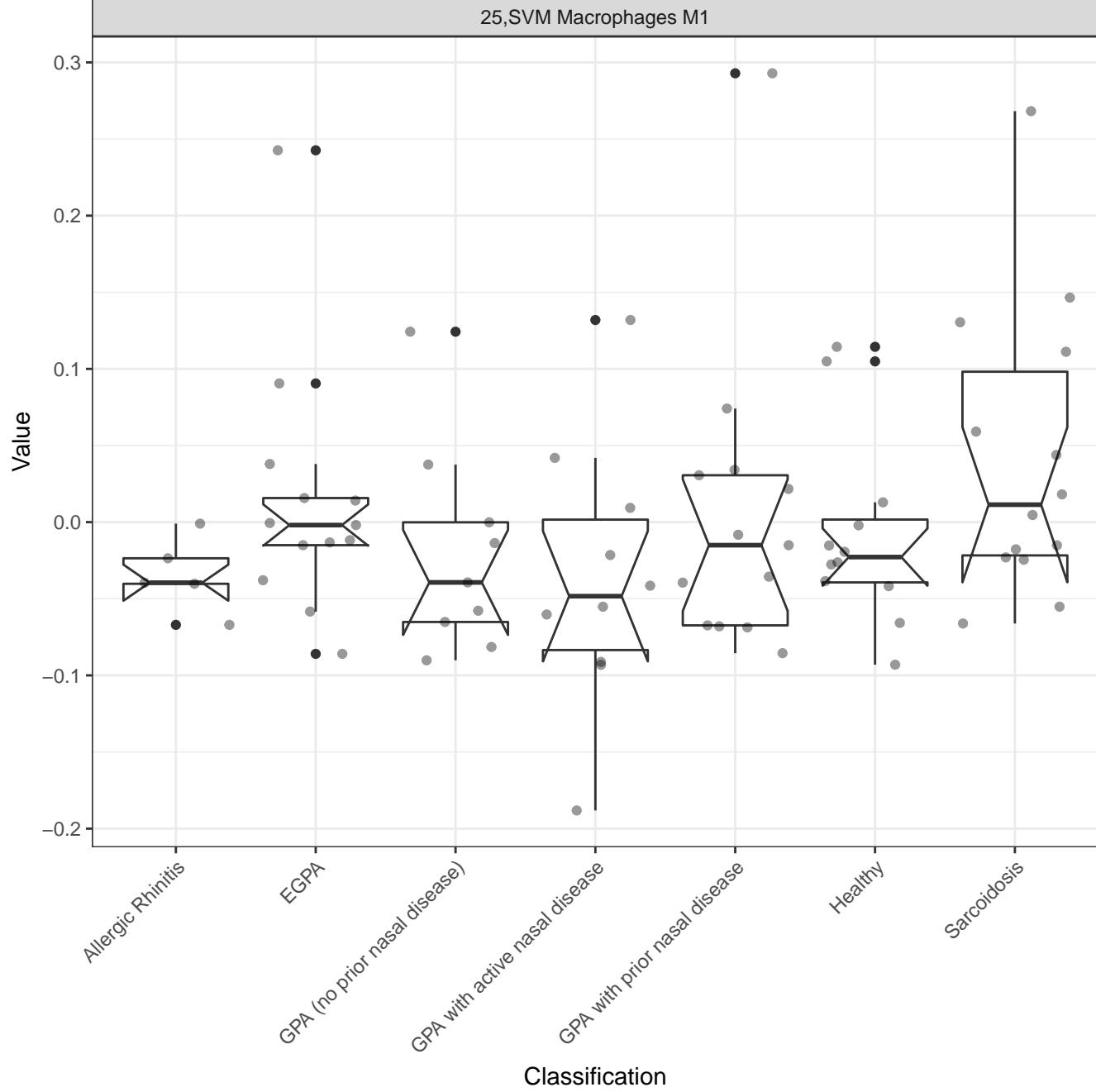
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



26,SVM Macrophages M2

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

27,REACTOME_CELL_JUNCTION_ORGANIZATION

Value

0.4

0.2

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

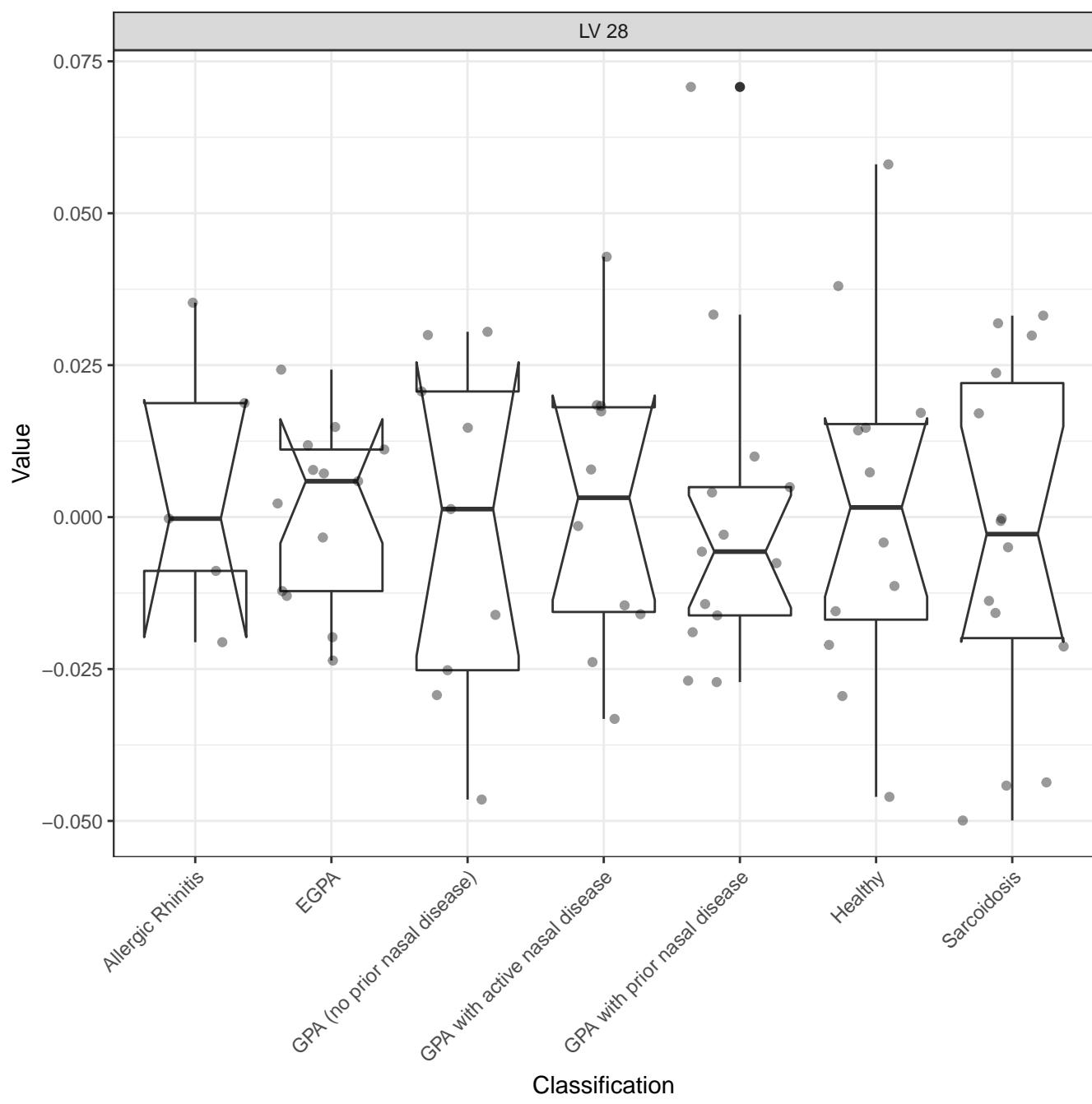
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 28



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

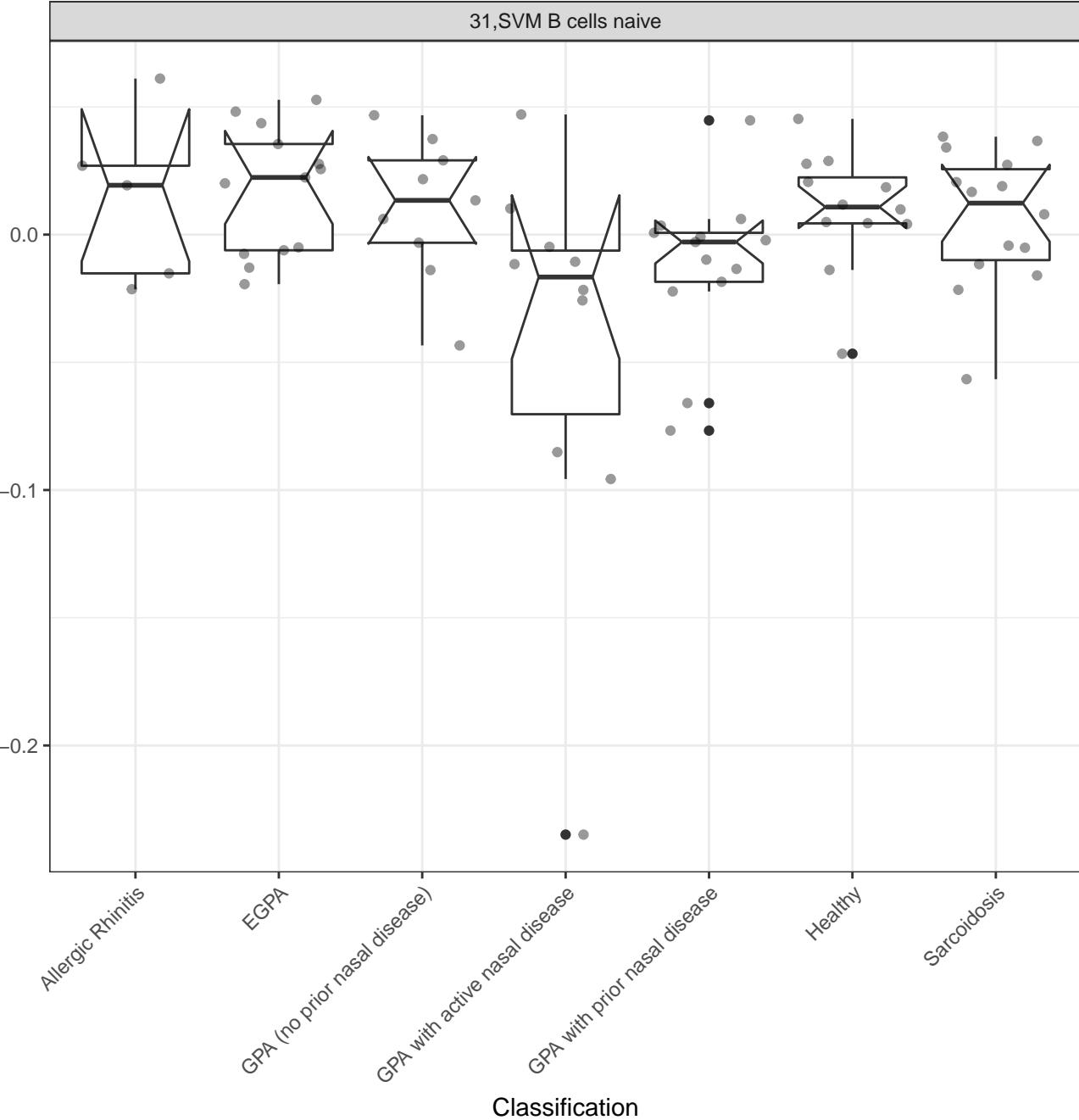
Healthy

Sarcoidosis

Classification

31,SVM B cells naive

Value



LV 32

Value

0.10

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

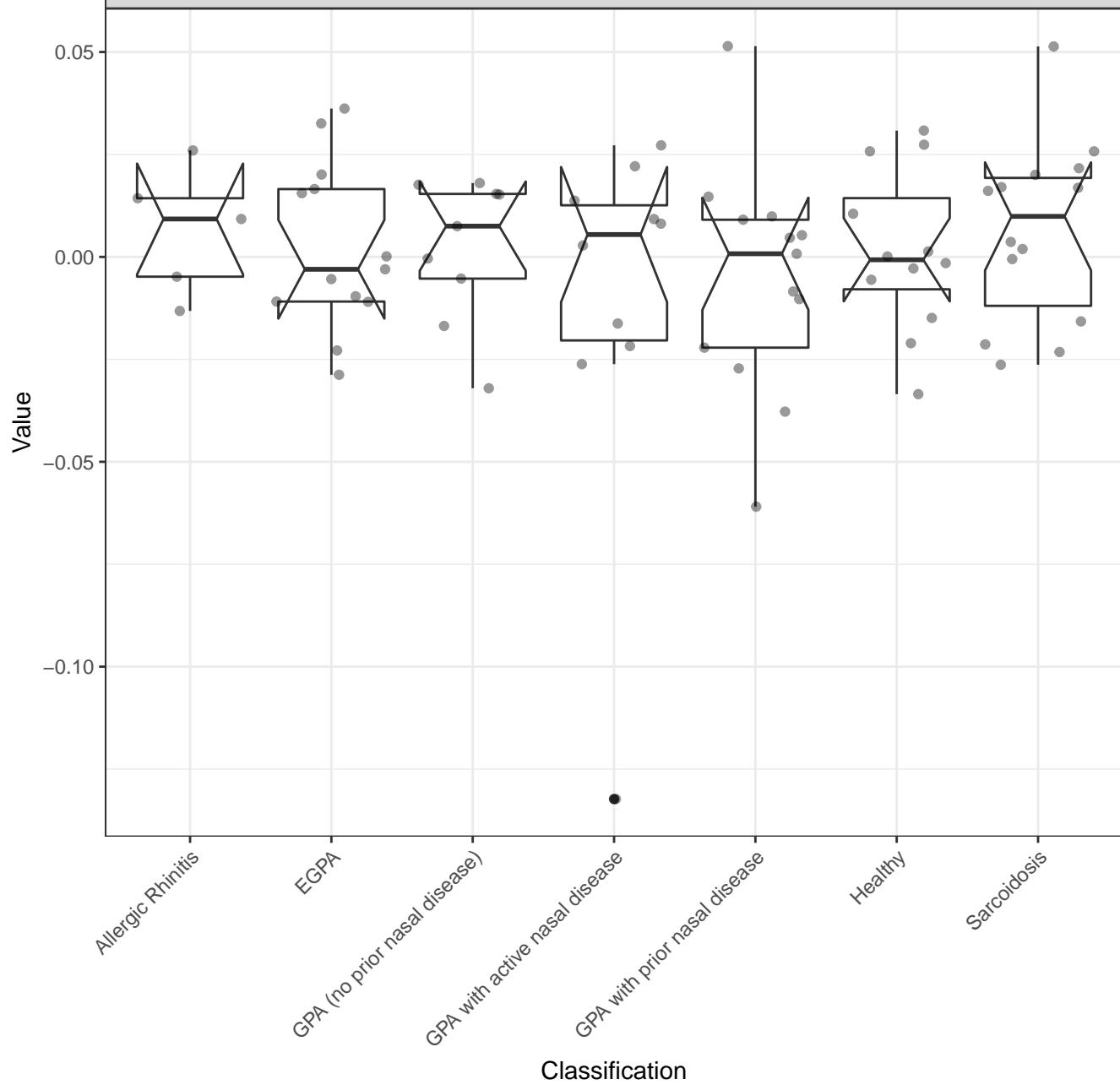
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

37,MIPS_60S_RIBOSOMAL_SUBUNIT_CYTOPLASMIC



Value

0.4

0.2

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

39,SVM Dendritic cells resting

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 40

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

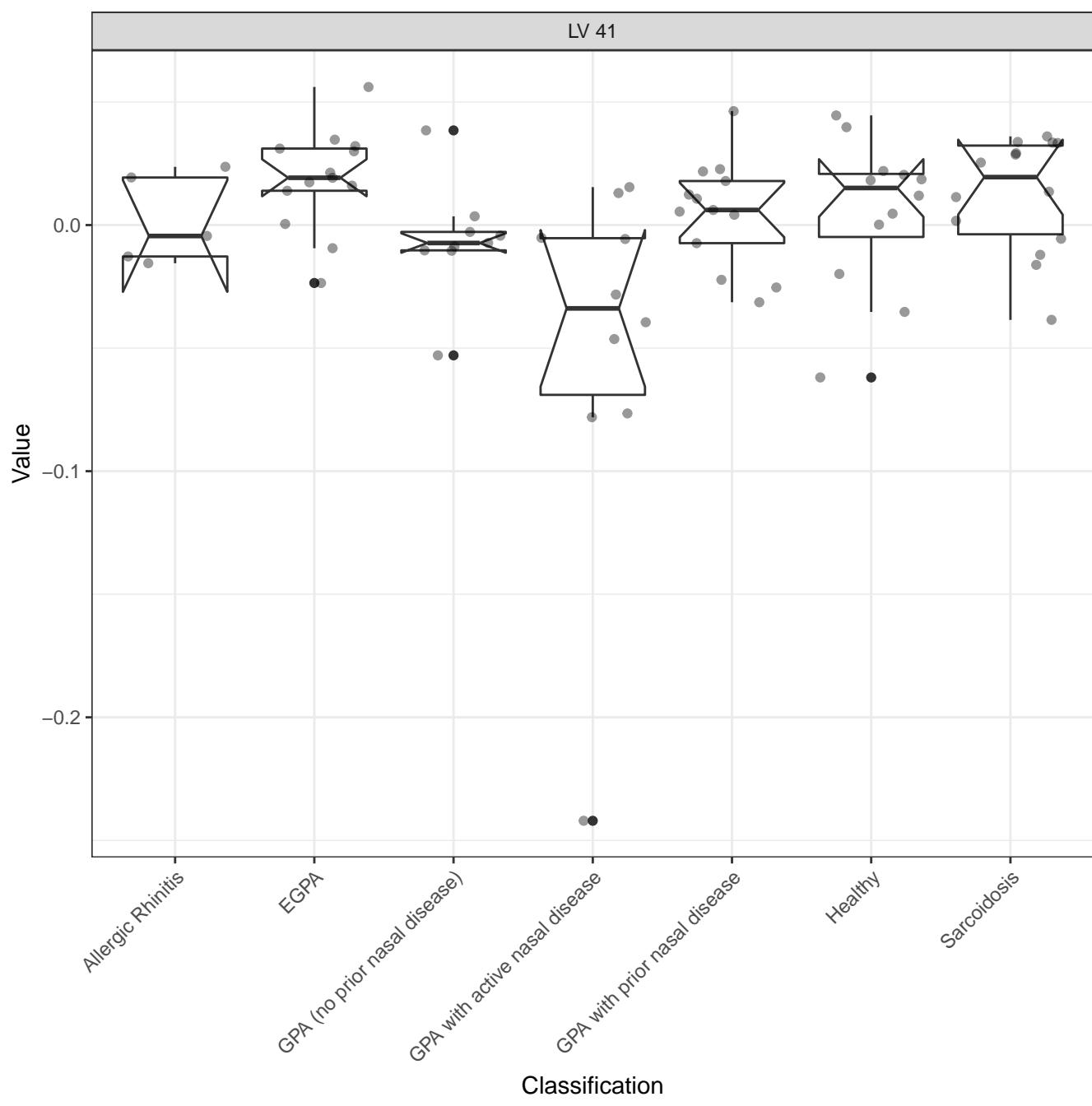
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

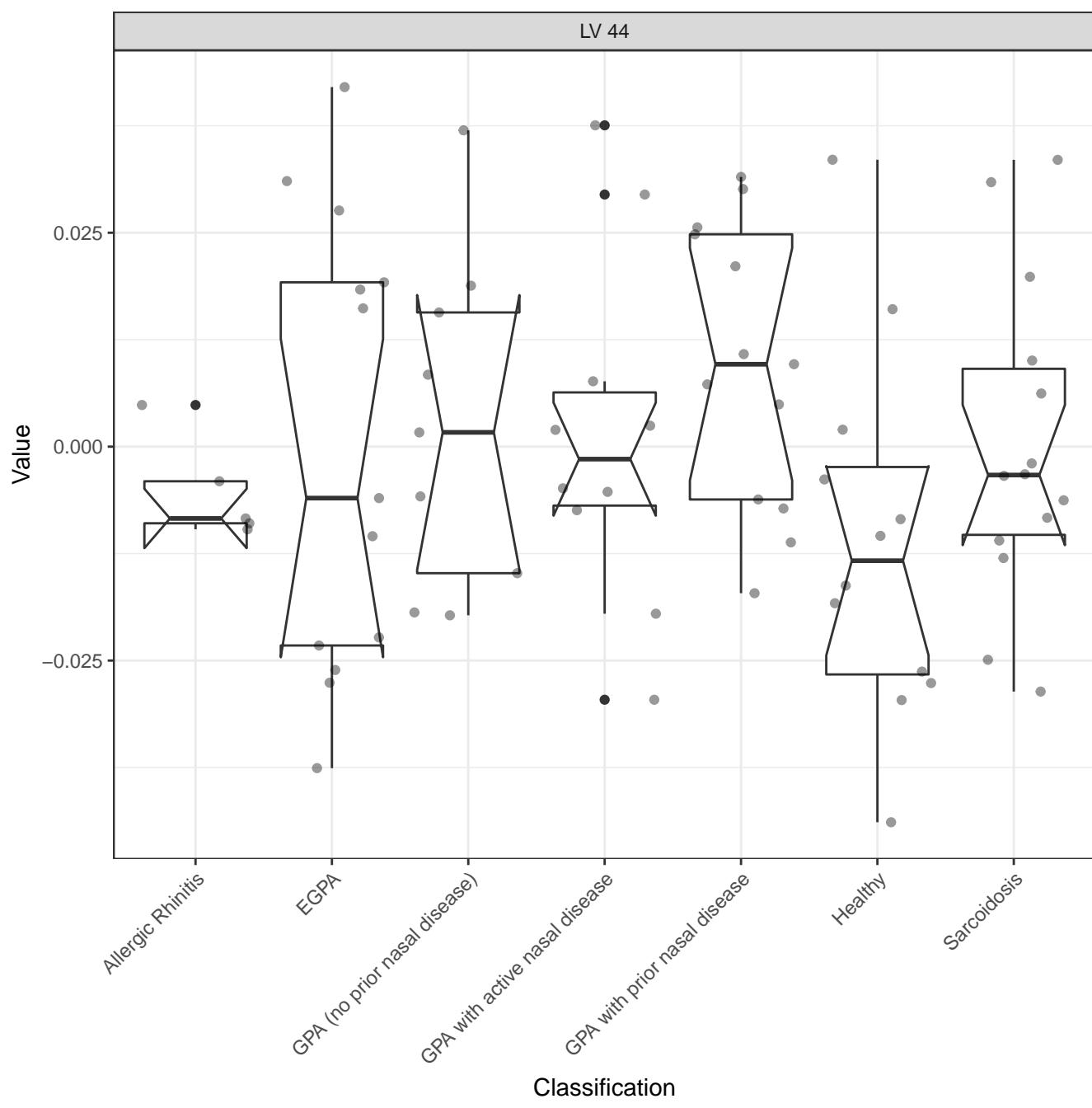
GPA with active nasal disease

GPA with prior nasal disease

Healthy

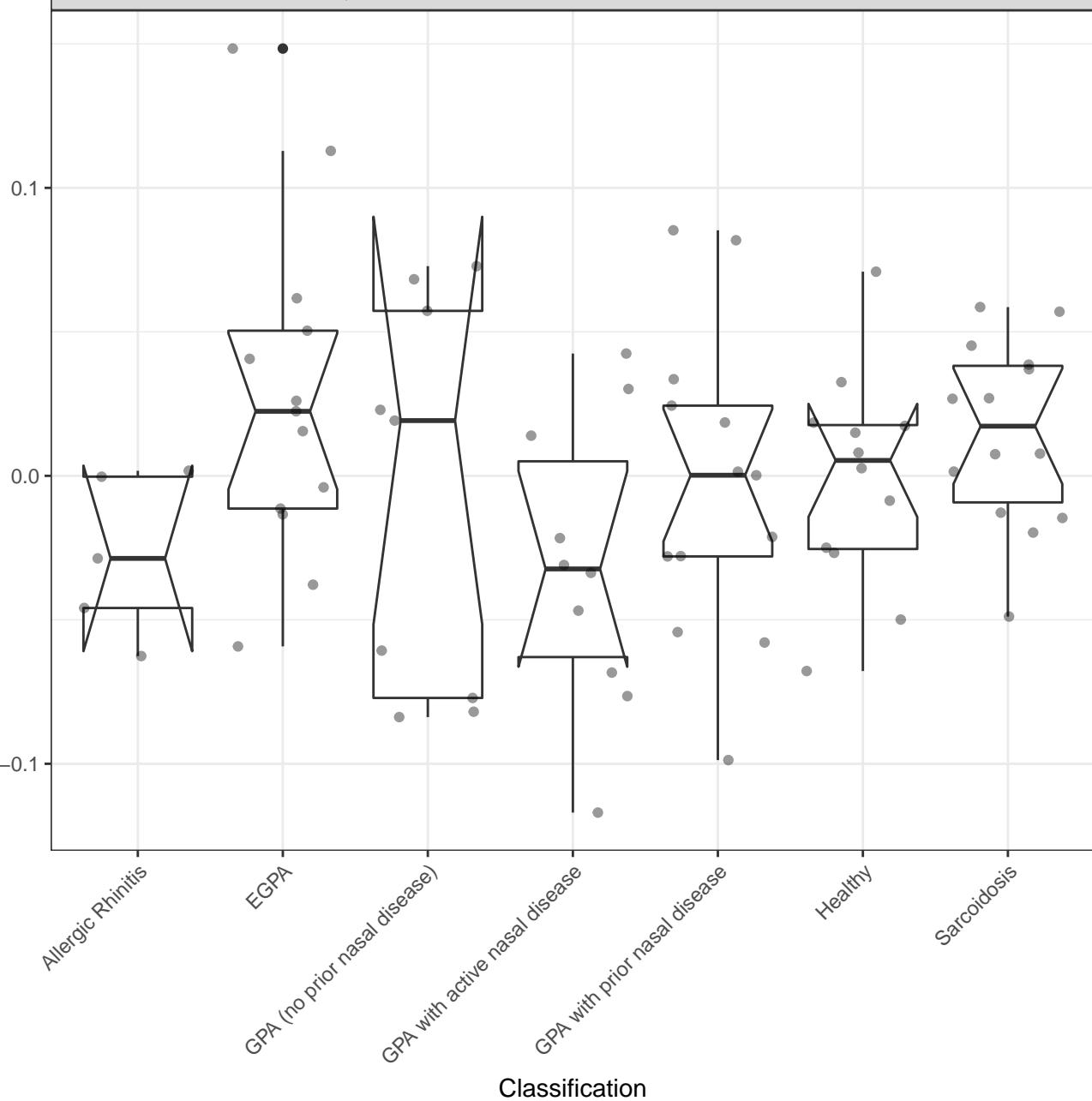
Sarcoidosis

Classification

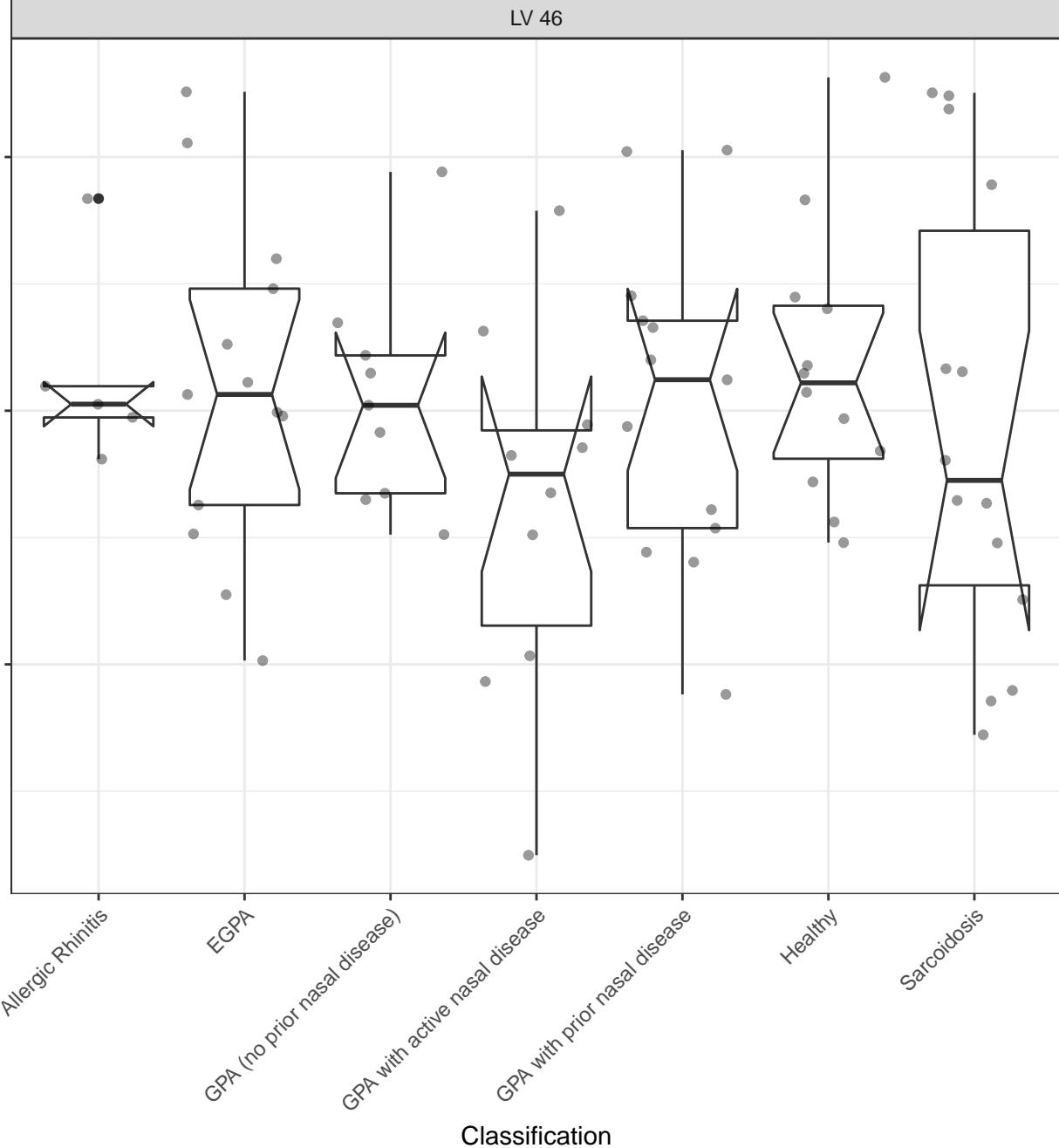


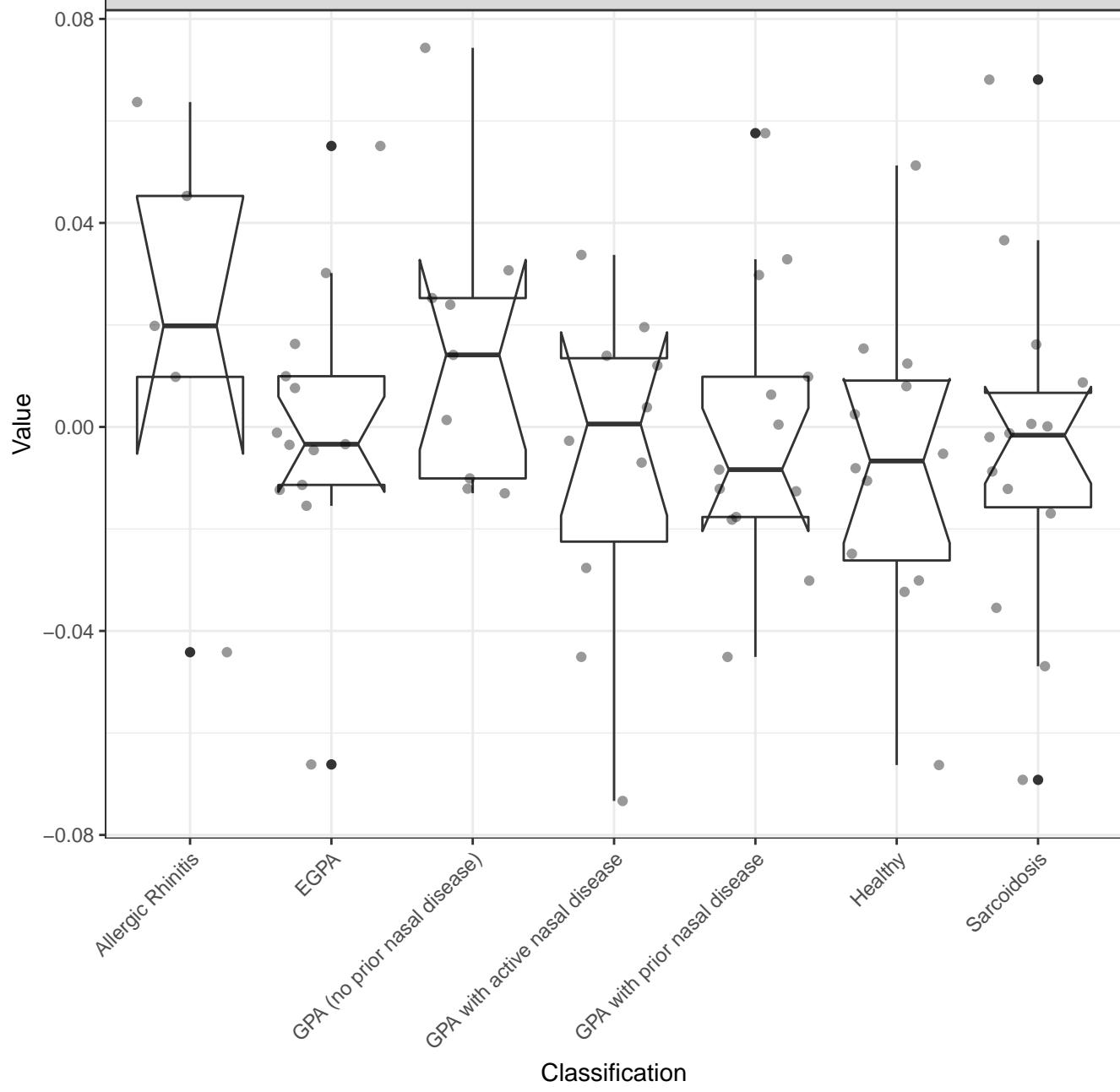
45,REACTOME_RNA_POL_I_PROMOTER_OPENING

Value



Value





48,MIPS_RIBOSOME_CYTOPLASMIC

Value

0.10

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

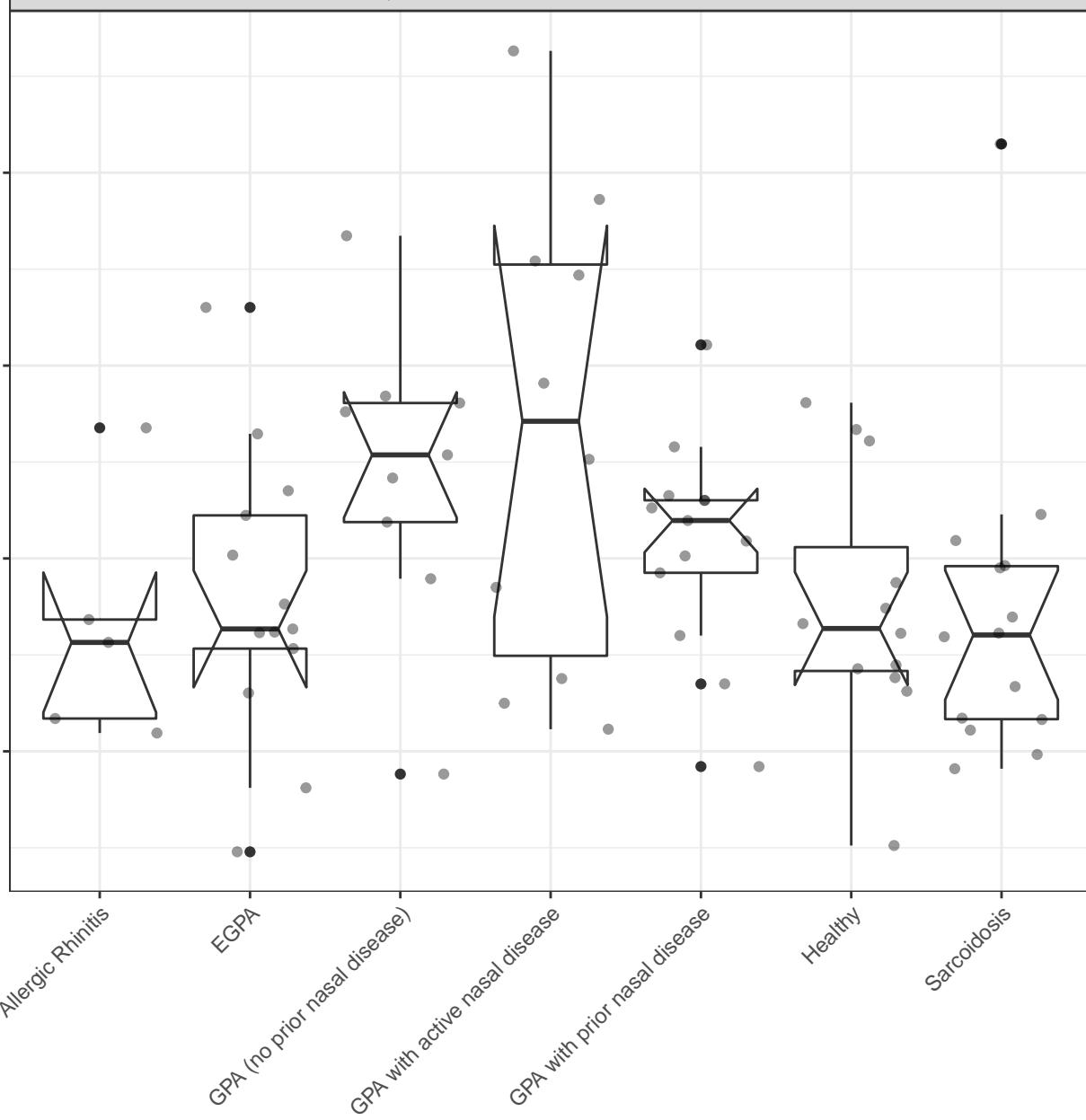
GPA with active nasal disease

GPA with prior nasal disease

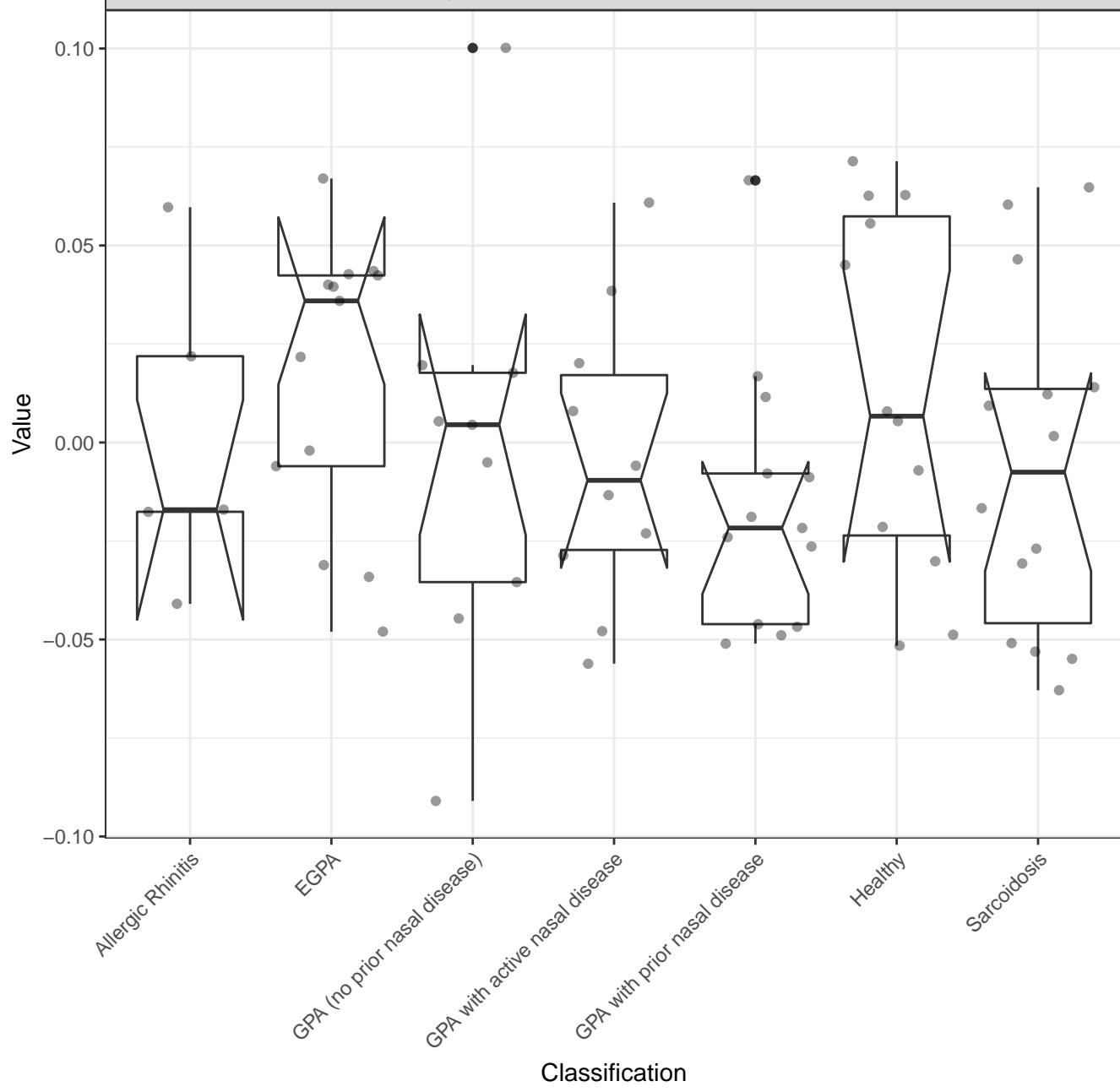
Healthy

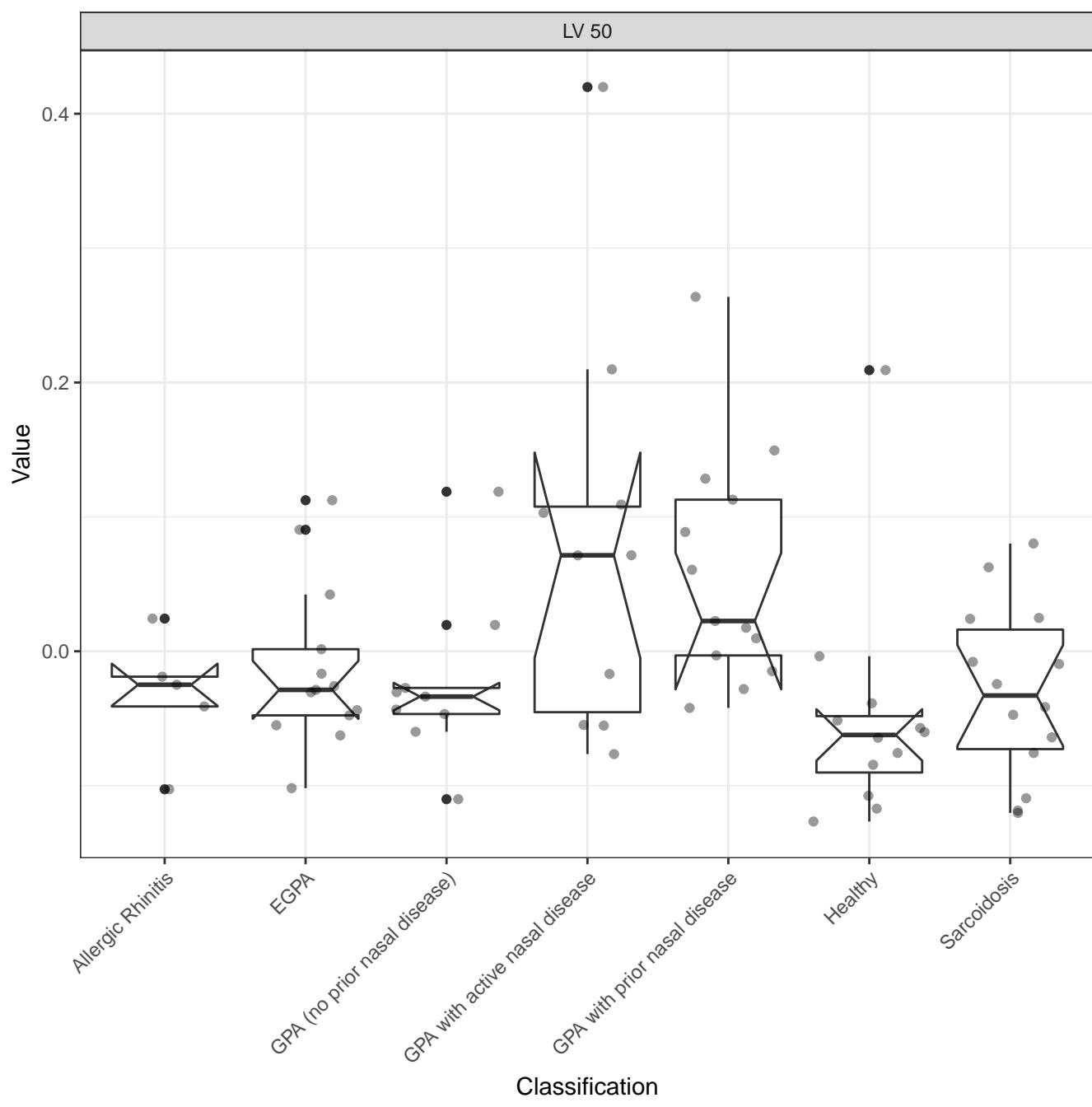
Sarcoidosis

Classification



49,KEGG_DILATED_CARDIOMYOPATHY





Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

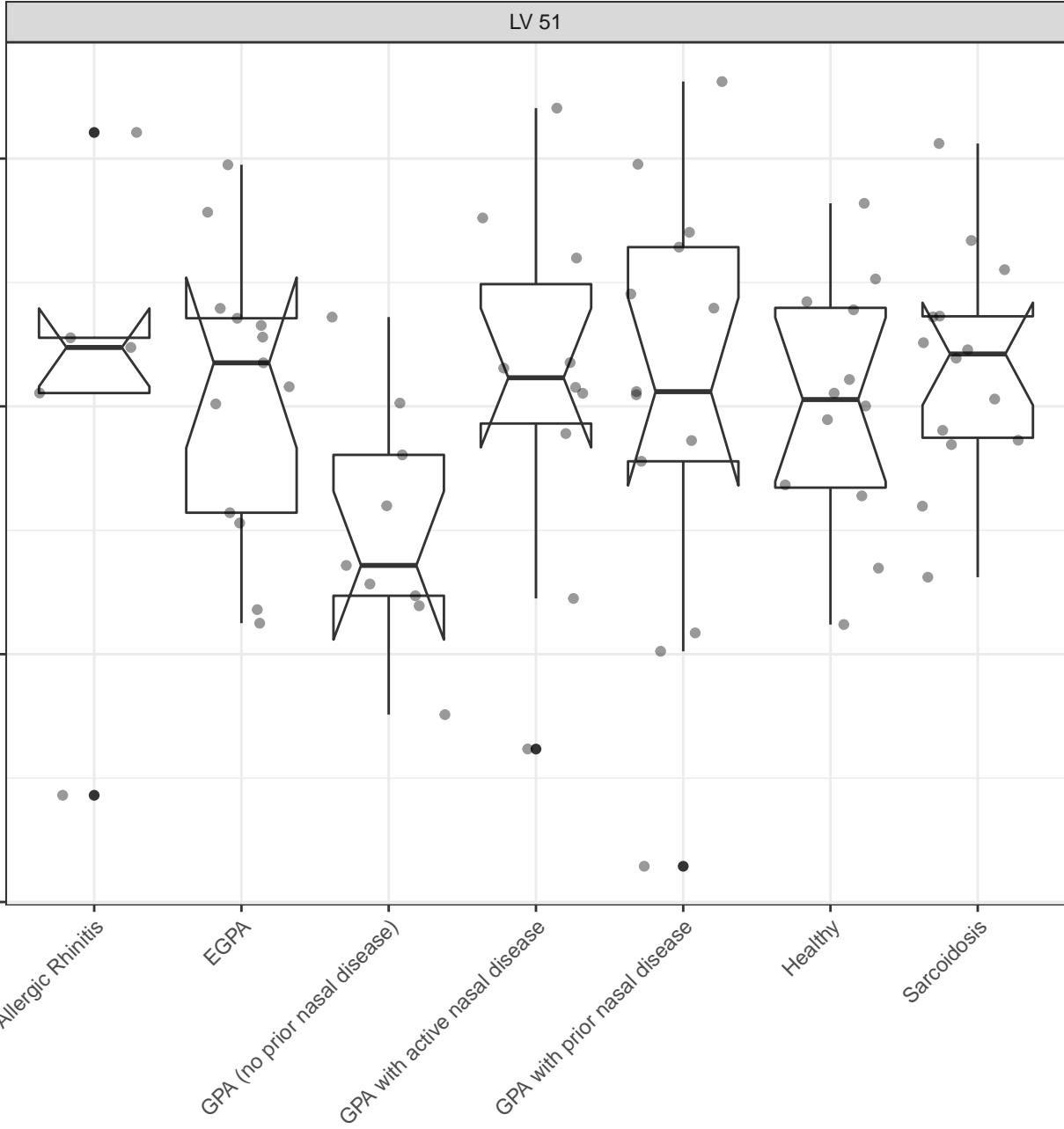
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

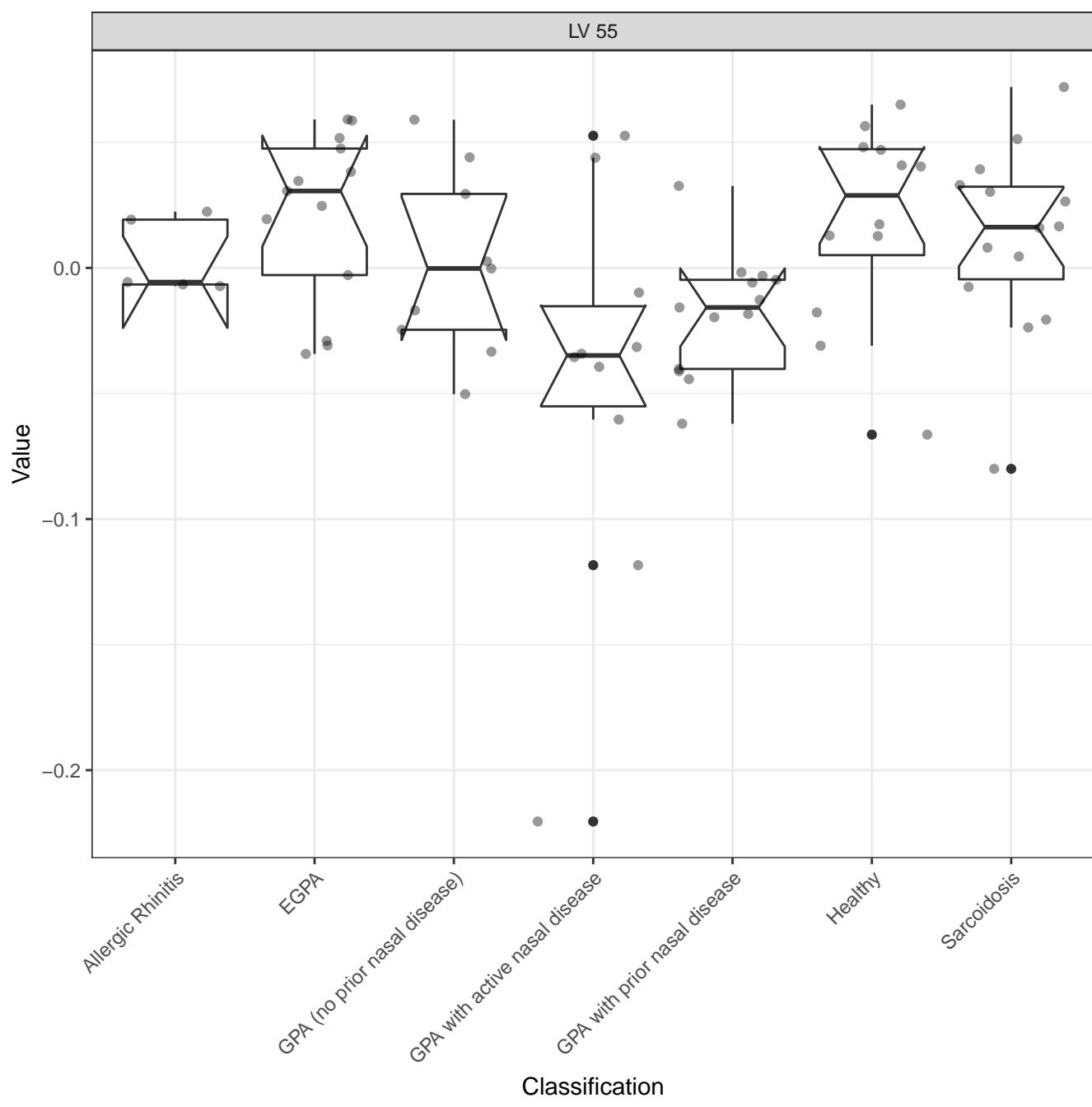
GPA with active nasal disease

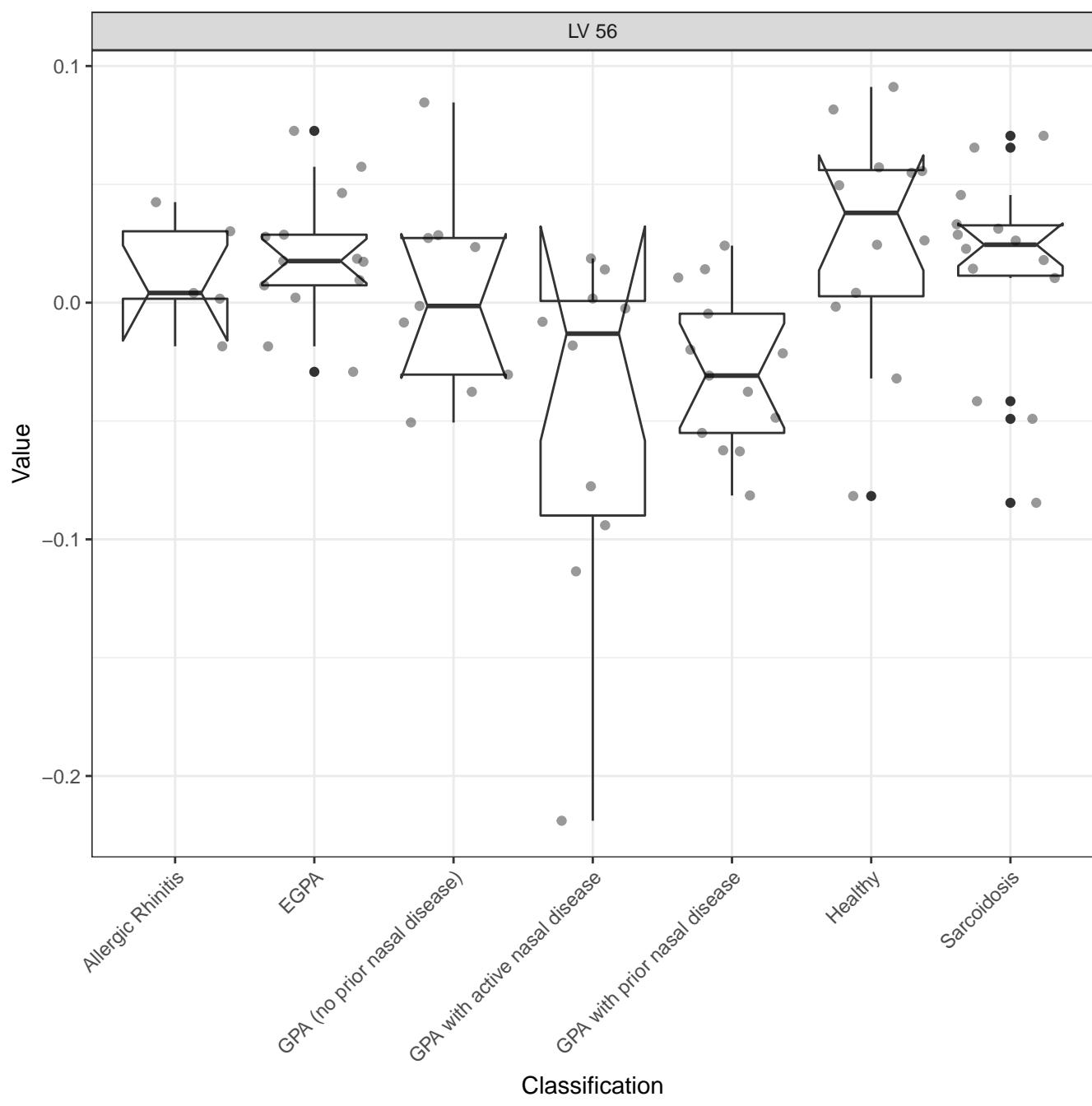
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





57,SVM T cells CD4 memory activated

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

58,SVM NK cells resting

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

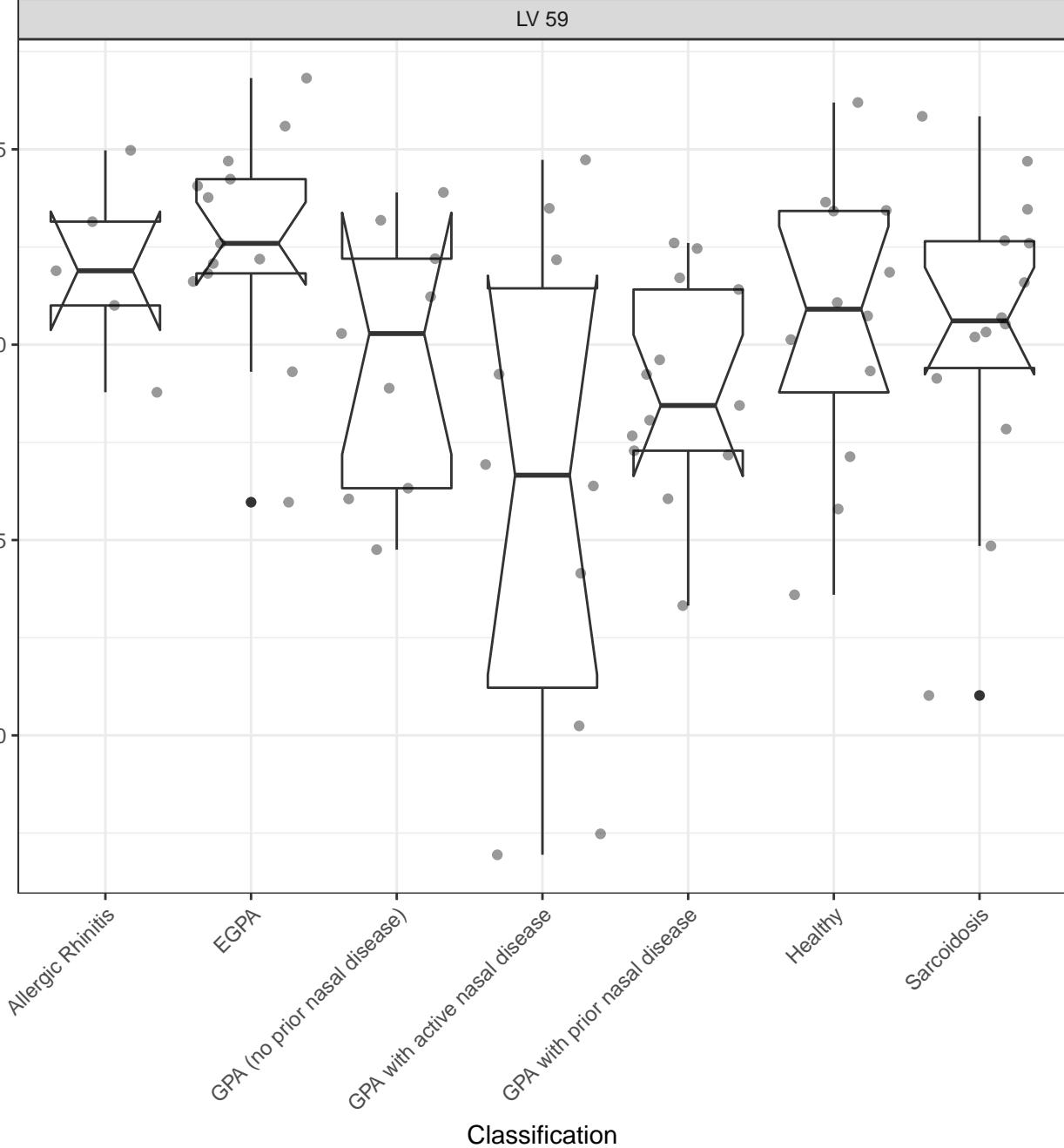
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

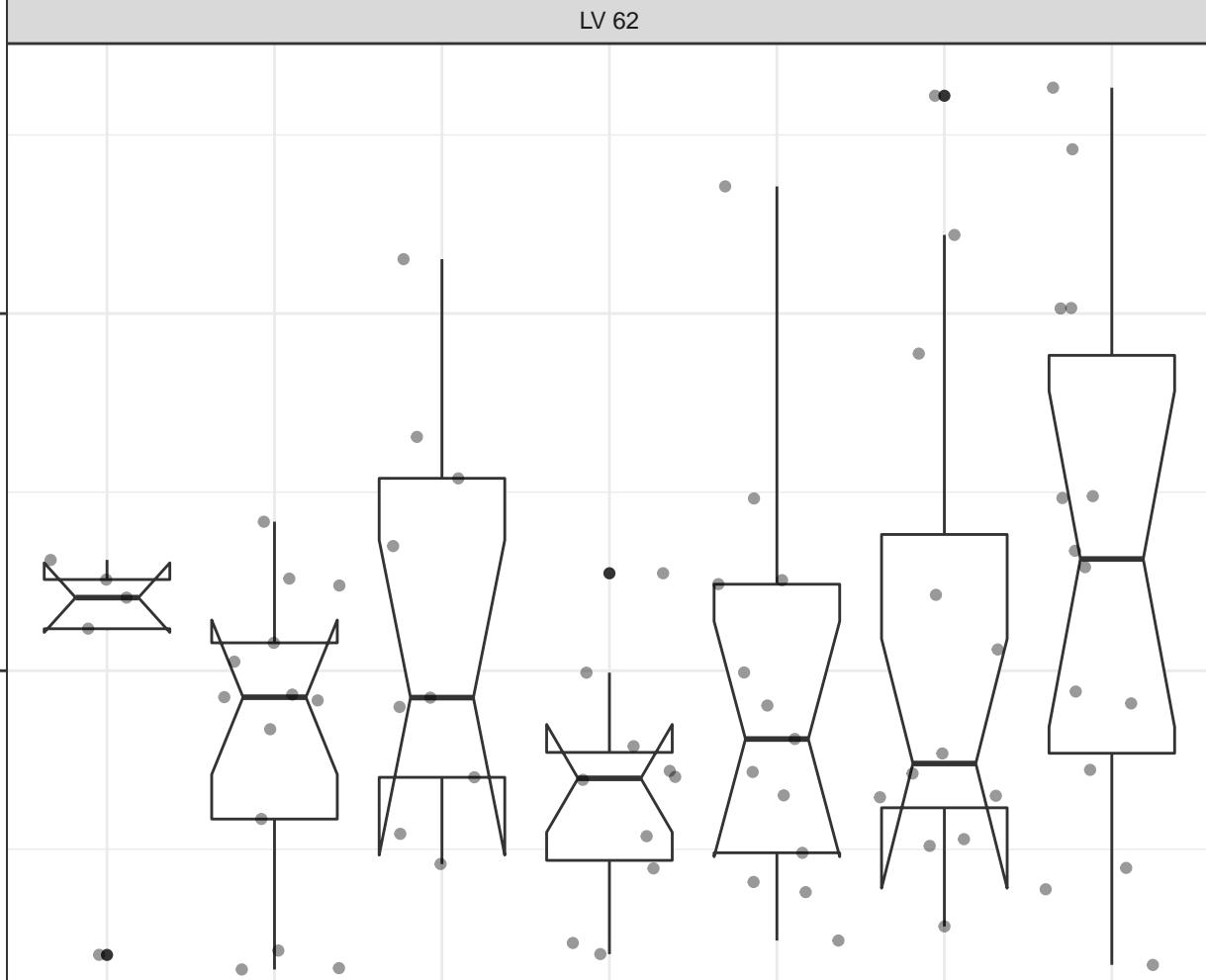
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

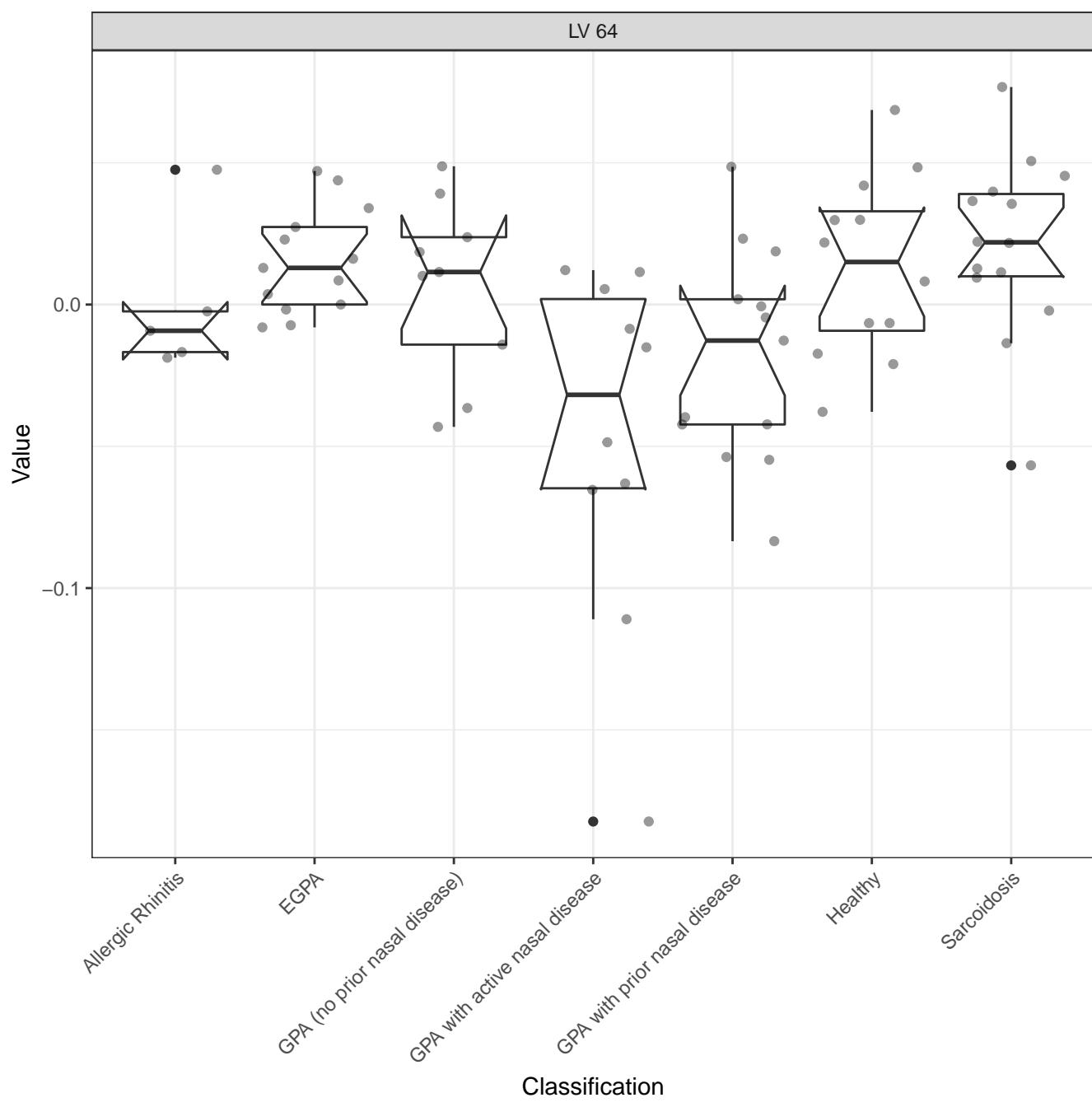
GPA with active nasal disease

GPA with prior nasal disease

Healthy

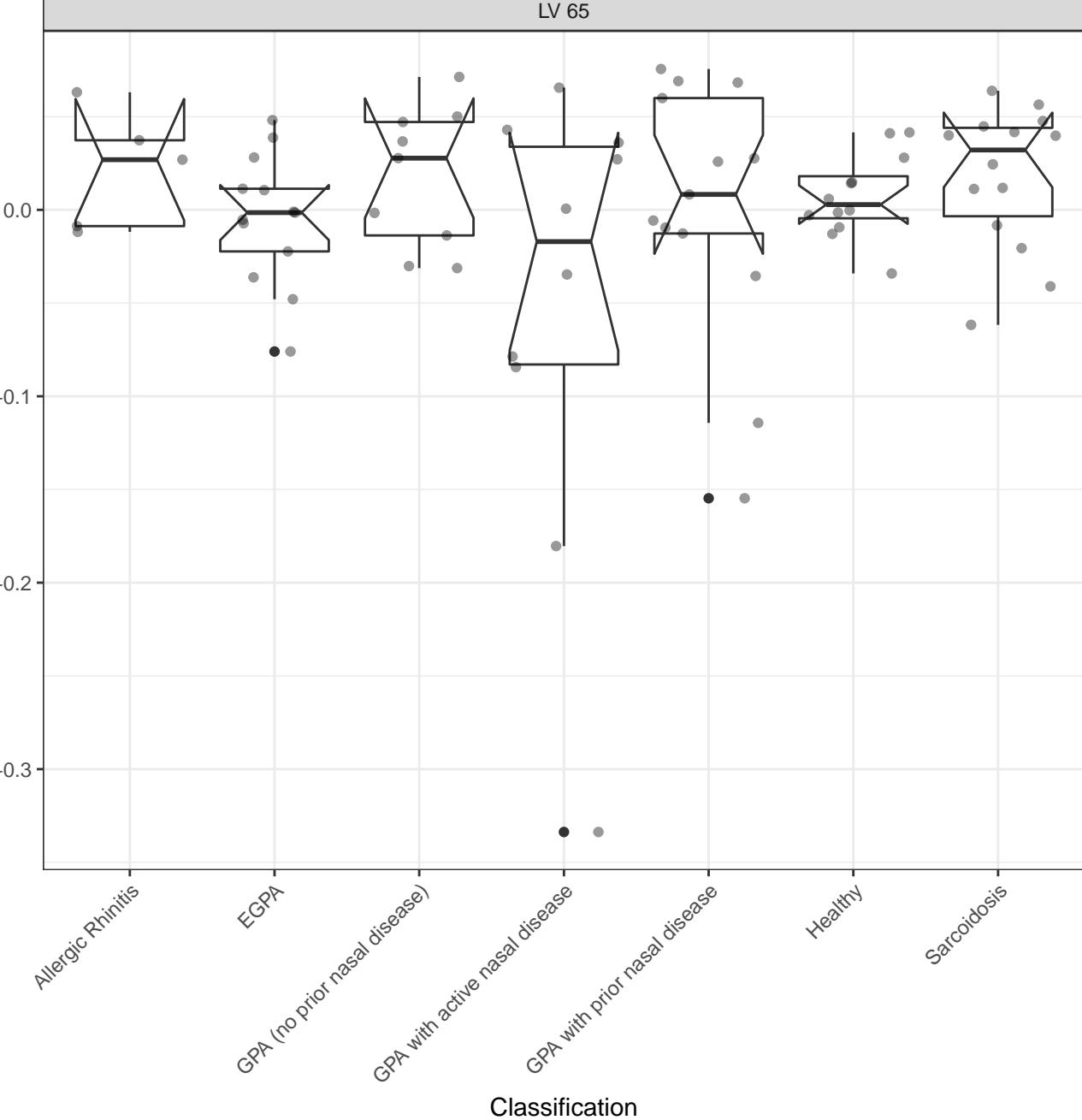
Sarcoidosis

Classification



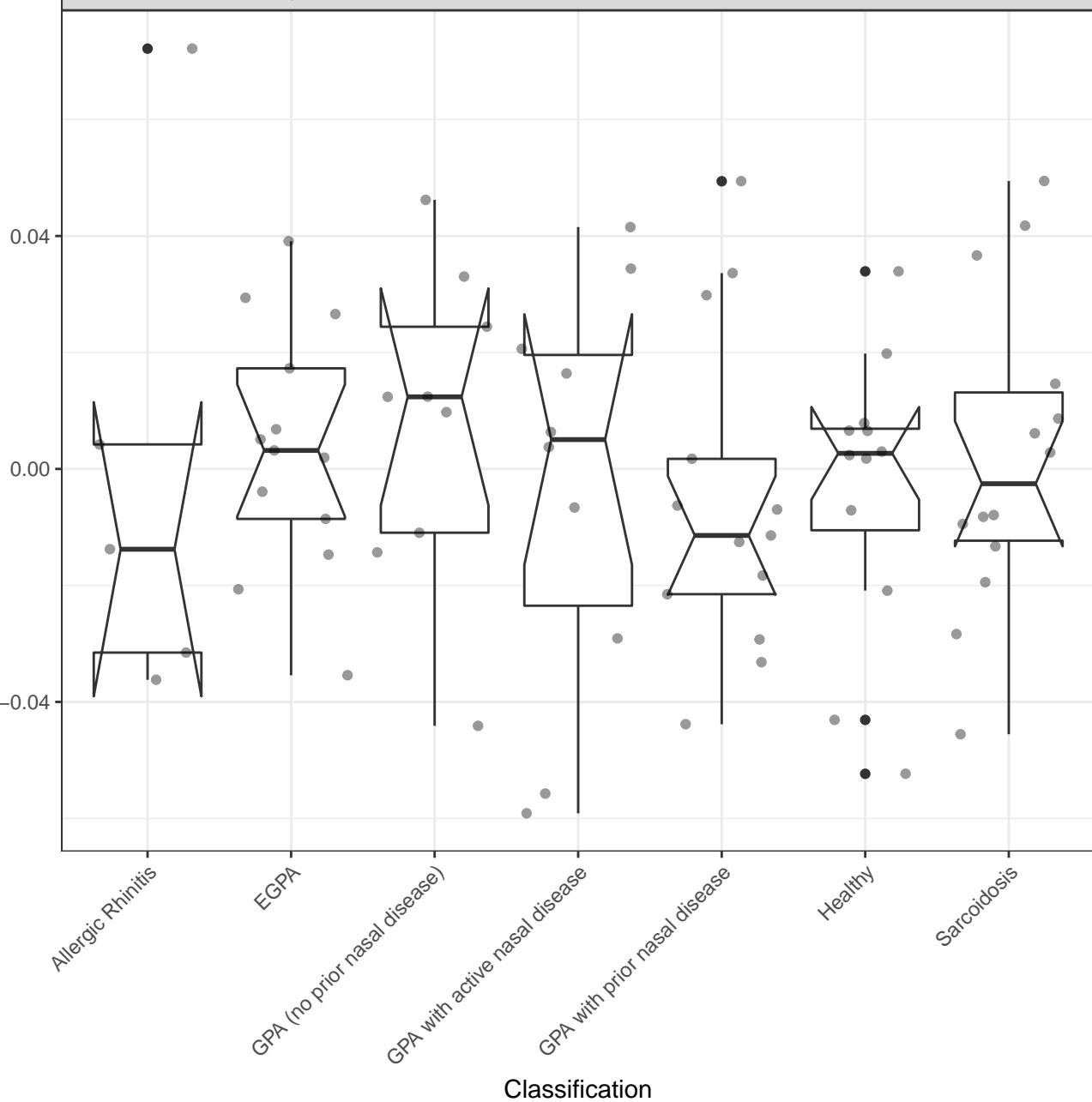
LV 65

Value

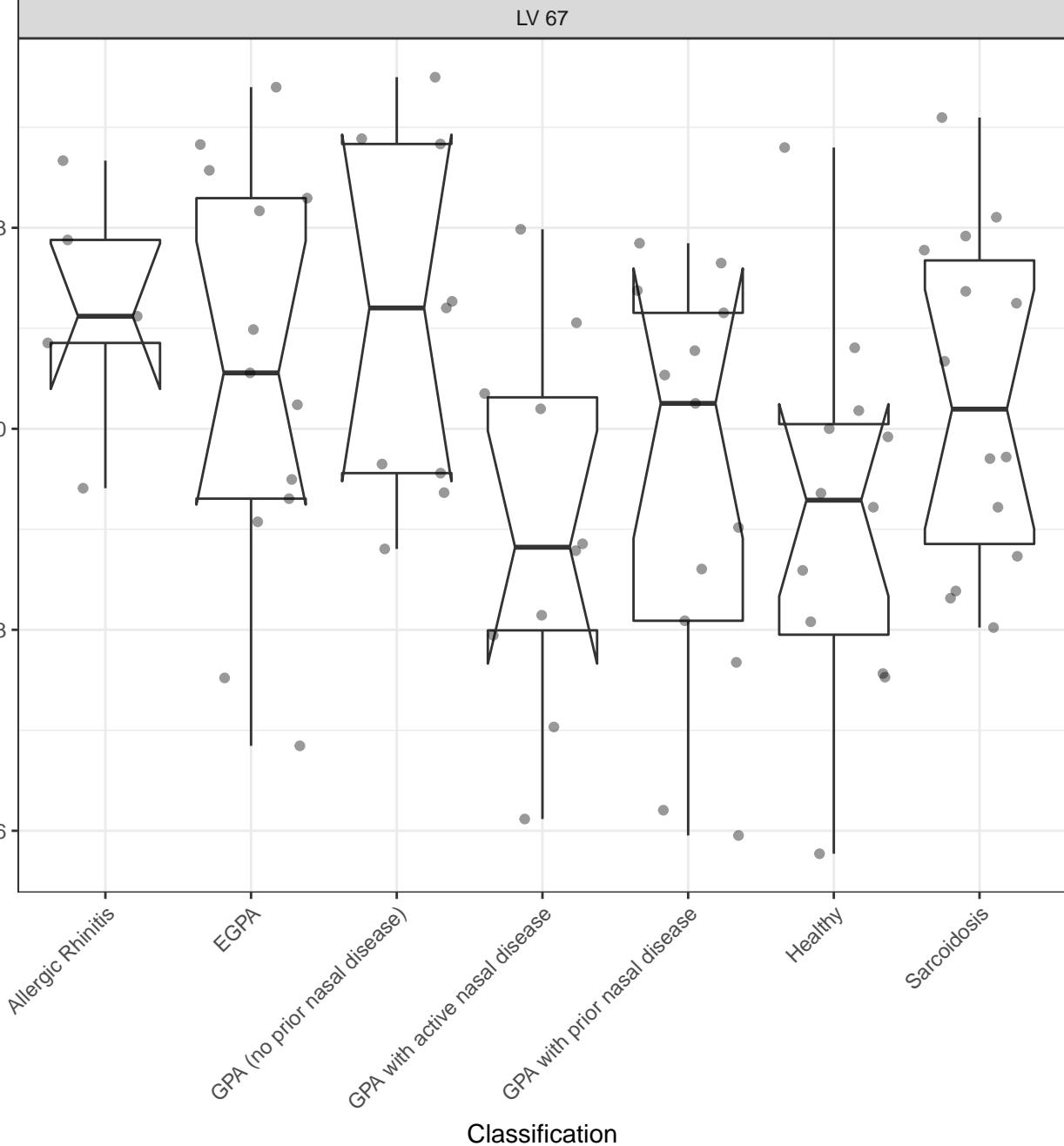


66,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

Value



Value



Value

0.3

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

69,SVM Macrophages M1

Value

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

70,MIPS_PA700_20S_PA28_COMPLEX

Value

0.2

0.1

0.0

-0.1

-0.2

-0.3

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

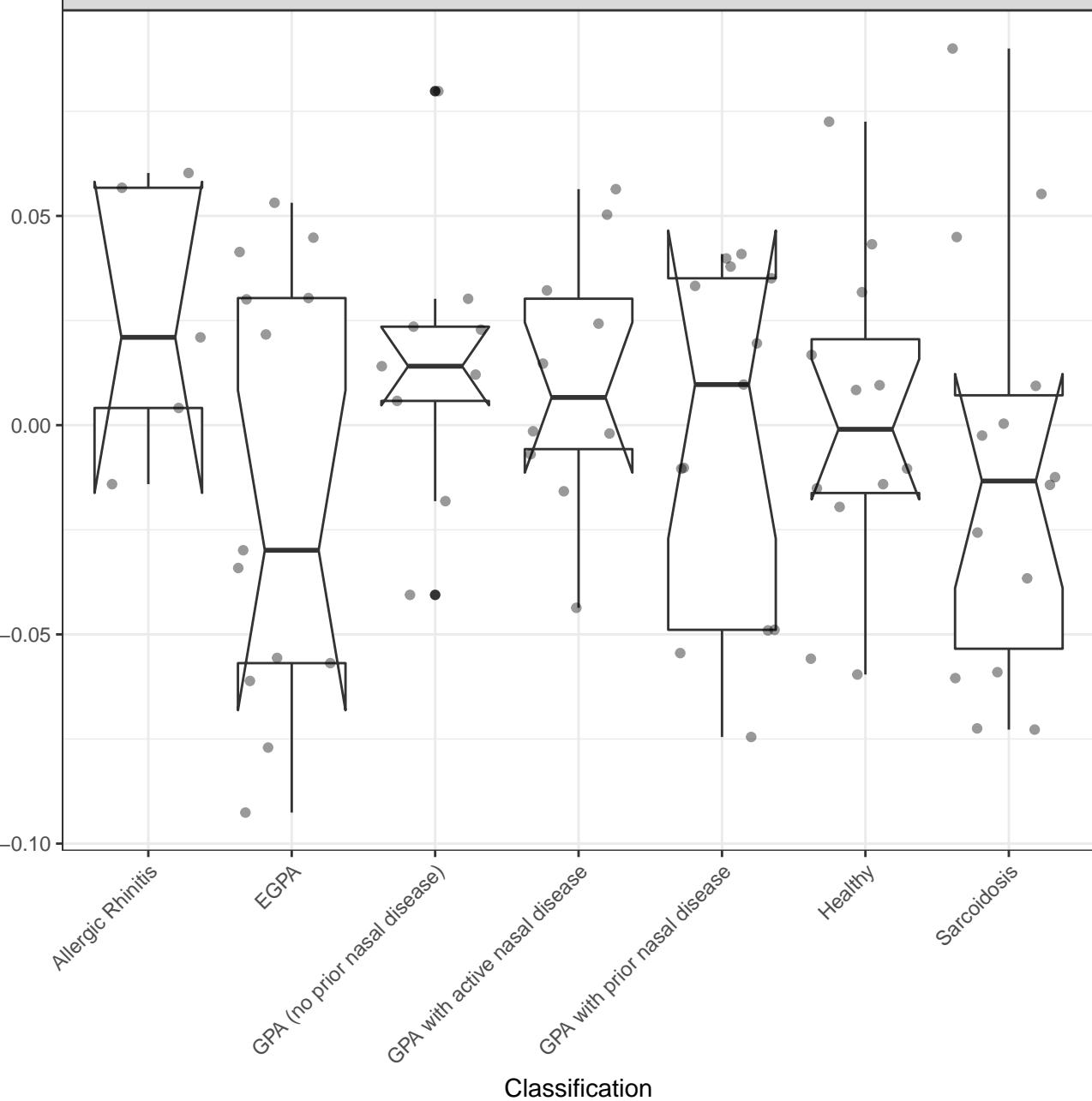
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

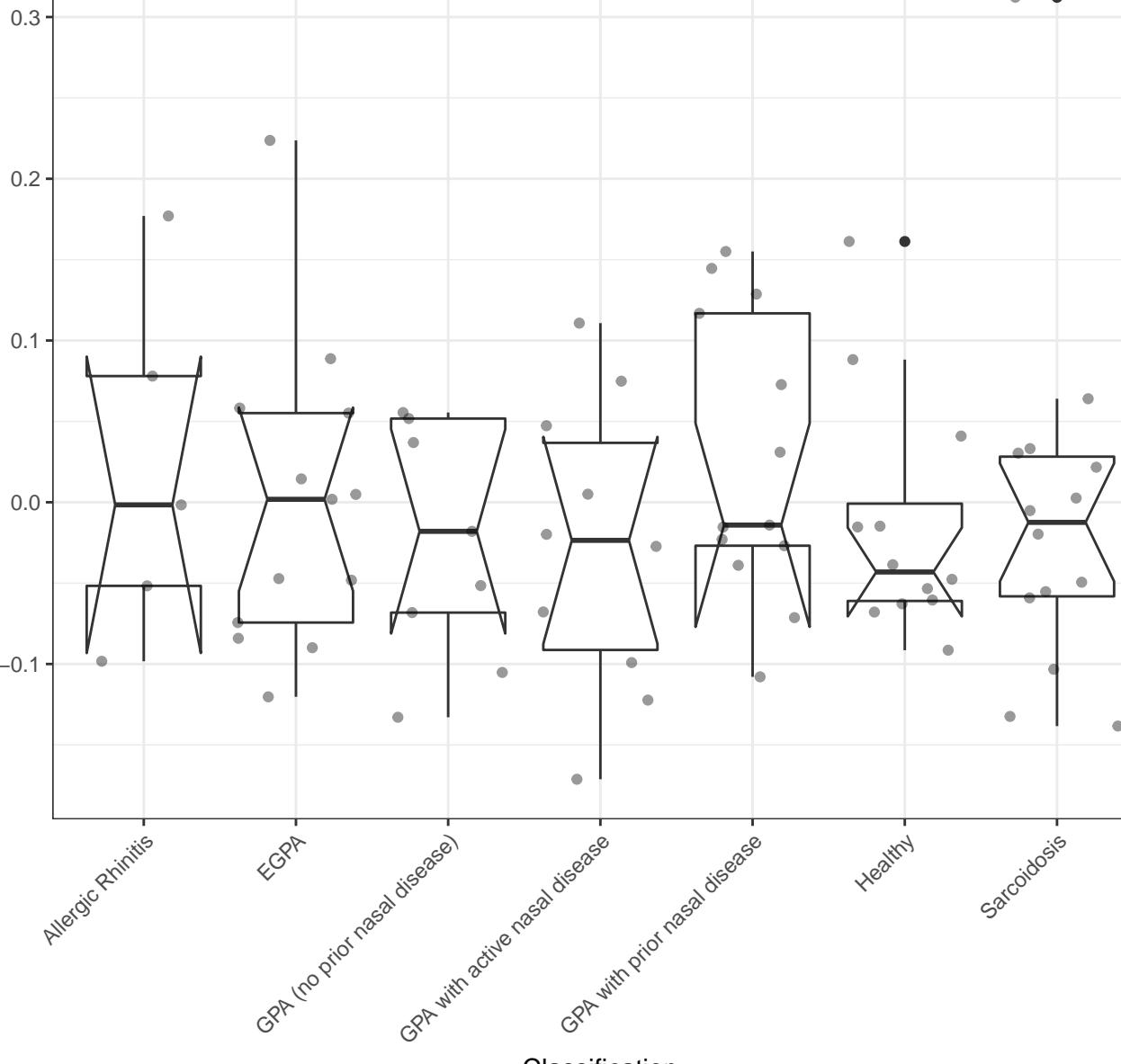
Healthy

Sarcoidosis

Classification

74,REACTOME_UNFOLDED_PROTEIN_RESPONSE

Value



Value

0.04

0.00

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

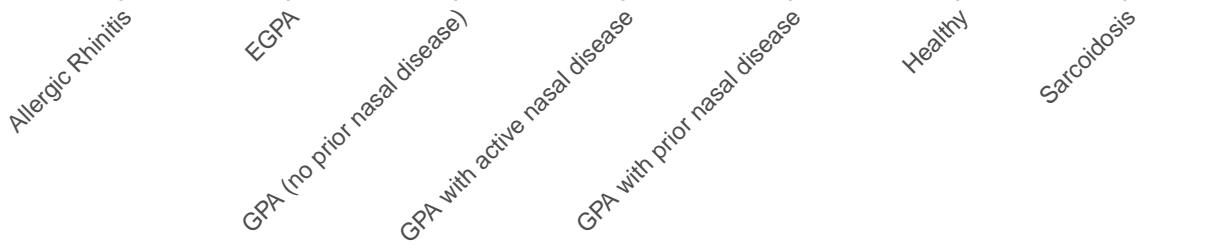
Value

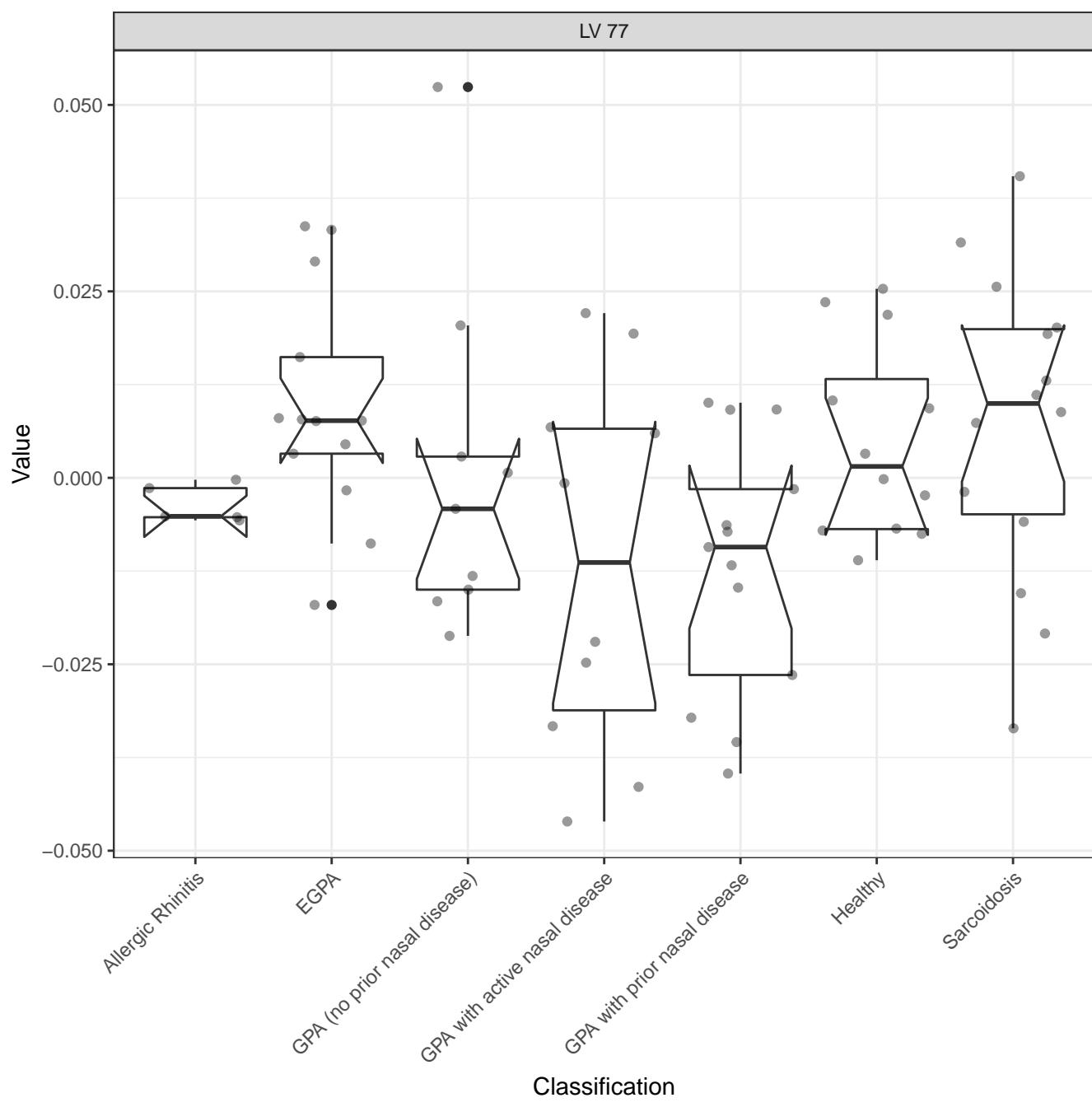
0.04

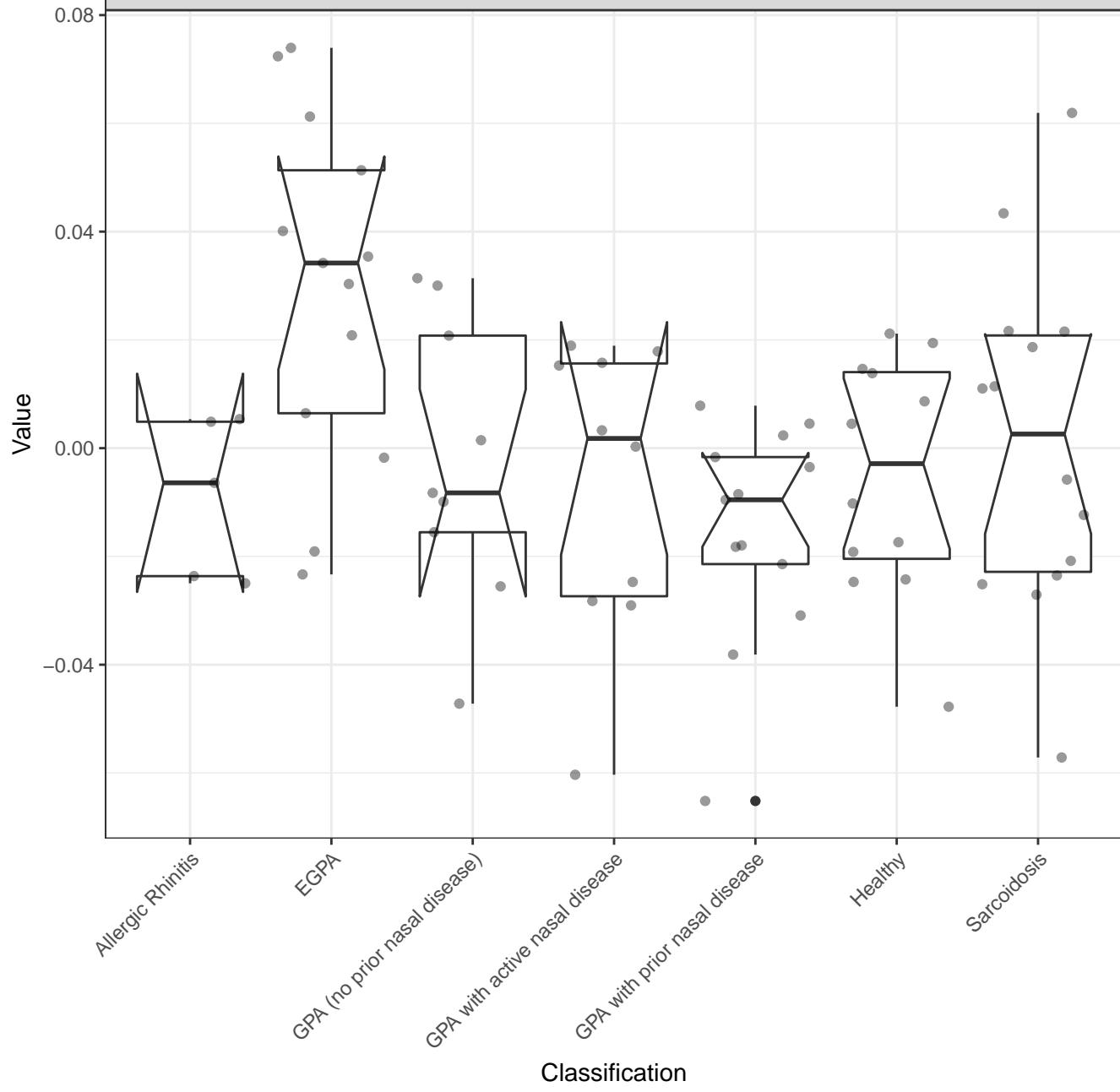
0.00

-0.04

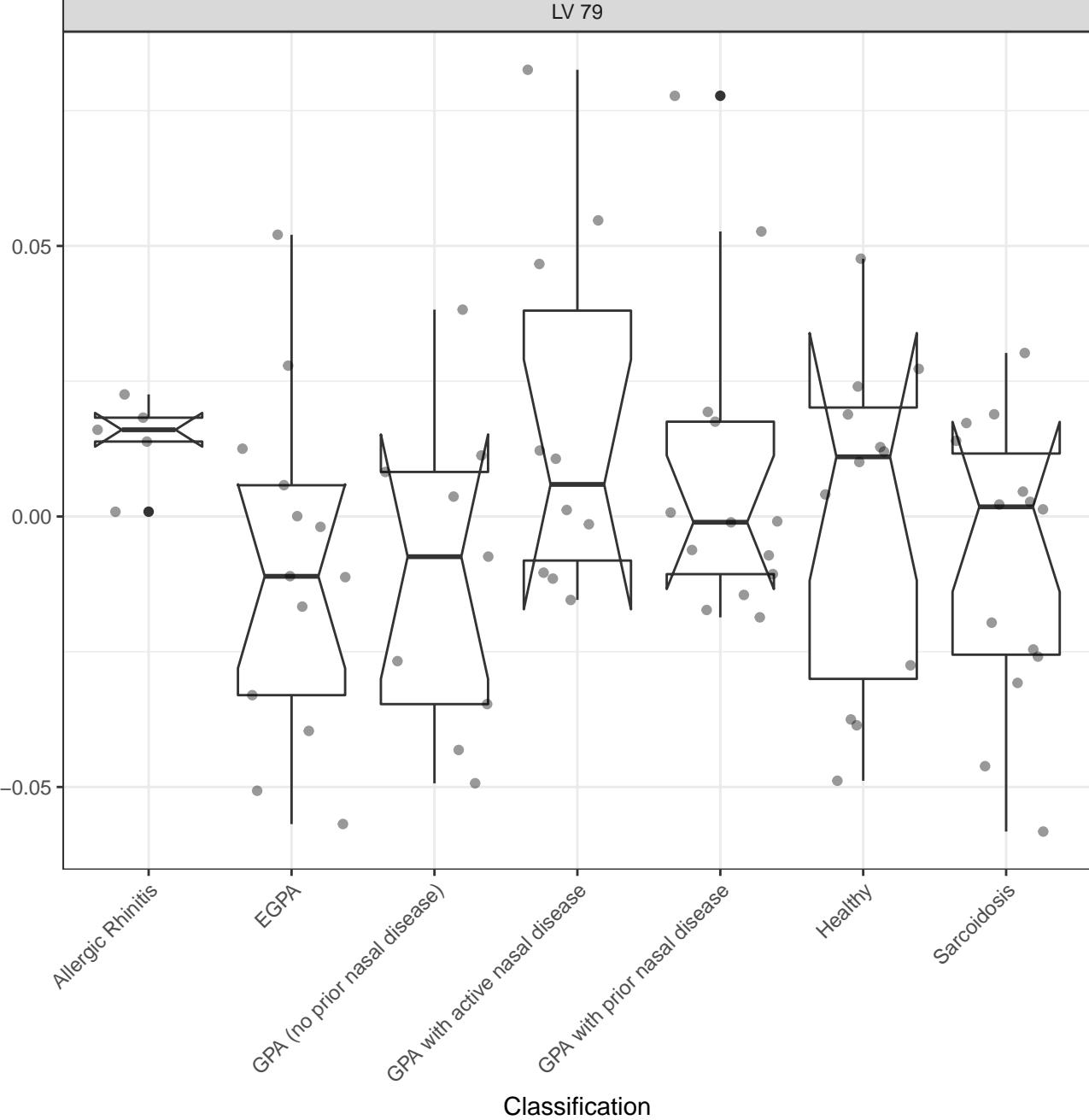
-0.08







Value



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

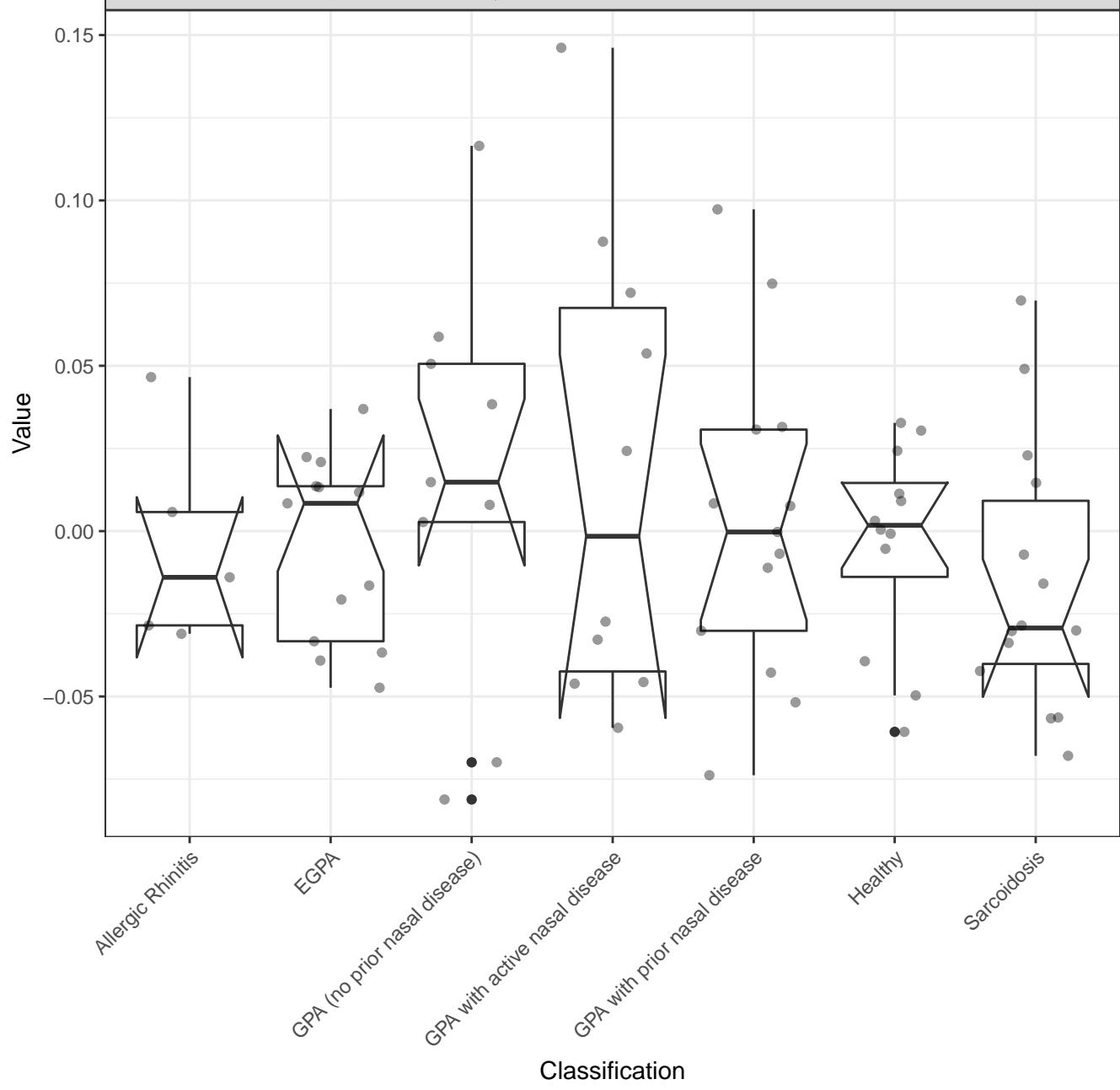
GPA with prior nasal disease

Healthy

Sarcoidosis

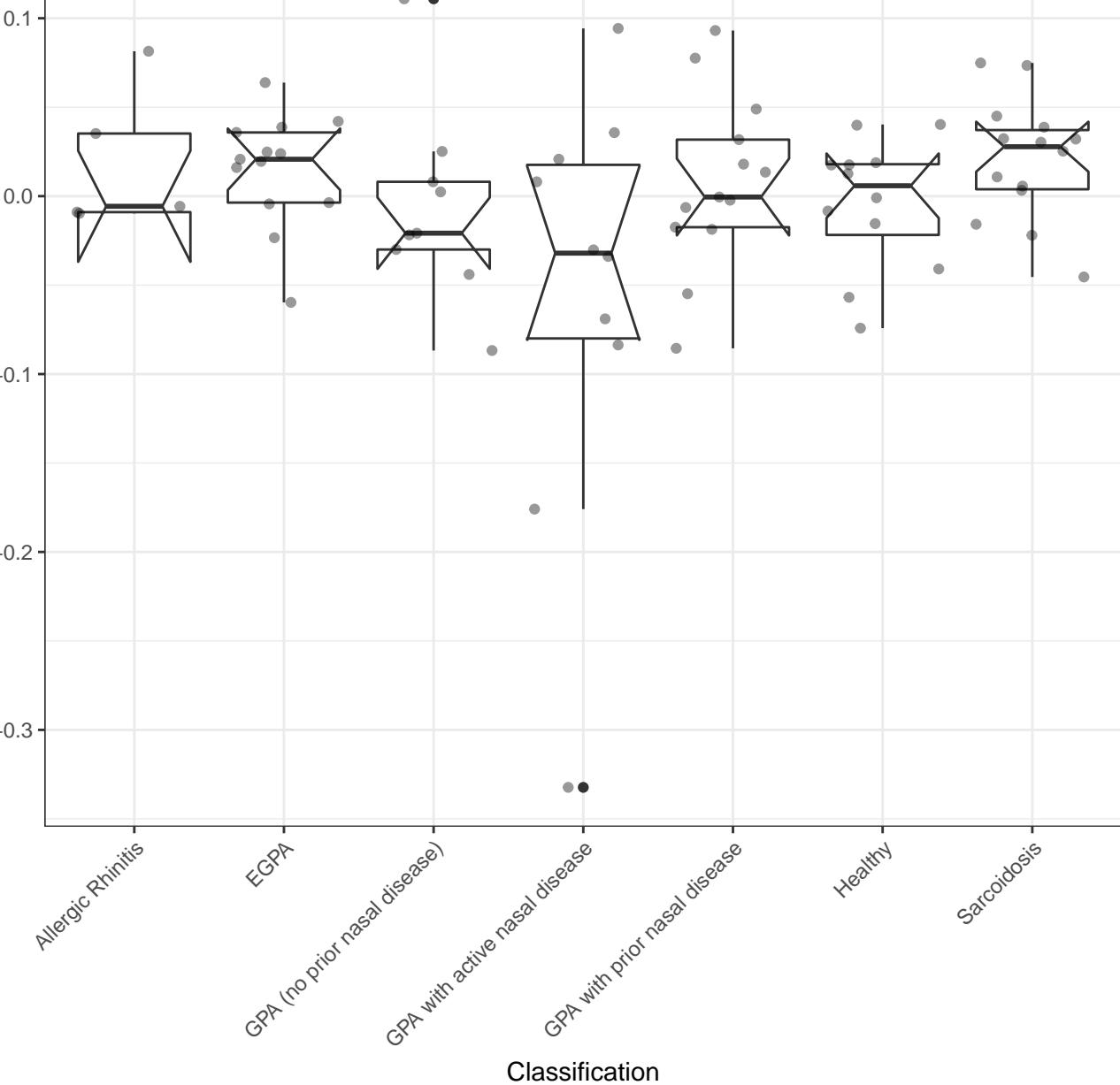
Classification

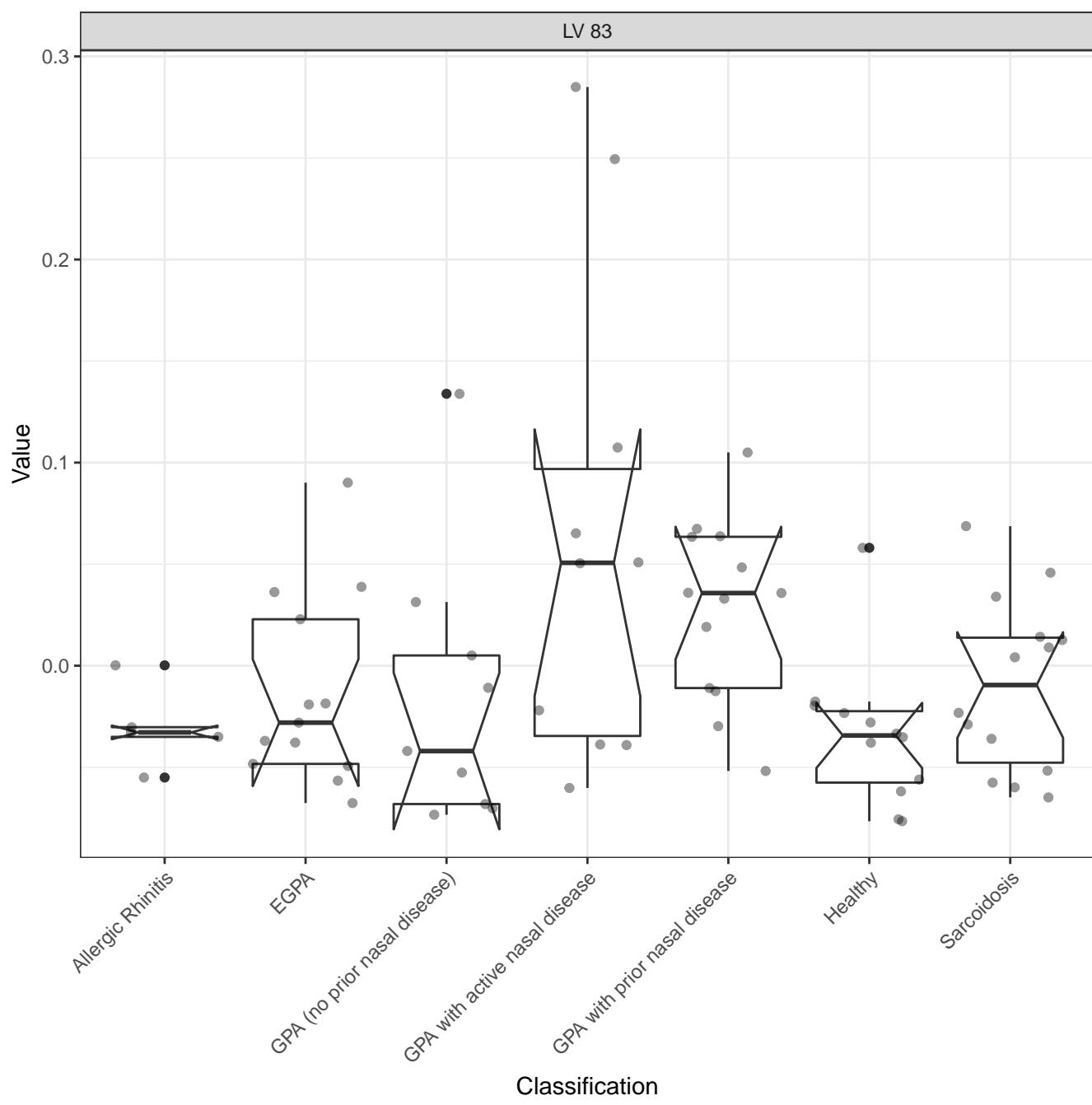
81,PID_INTEGRIN1_PATHWAY



82,PID_RAC1_PATHWAY

Value





Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

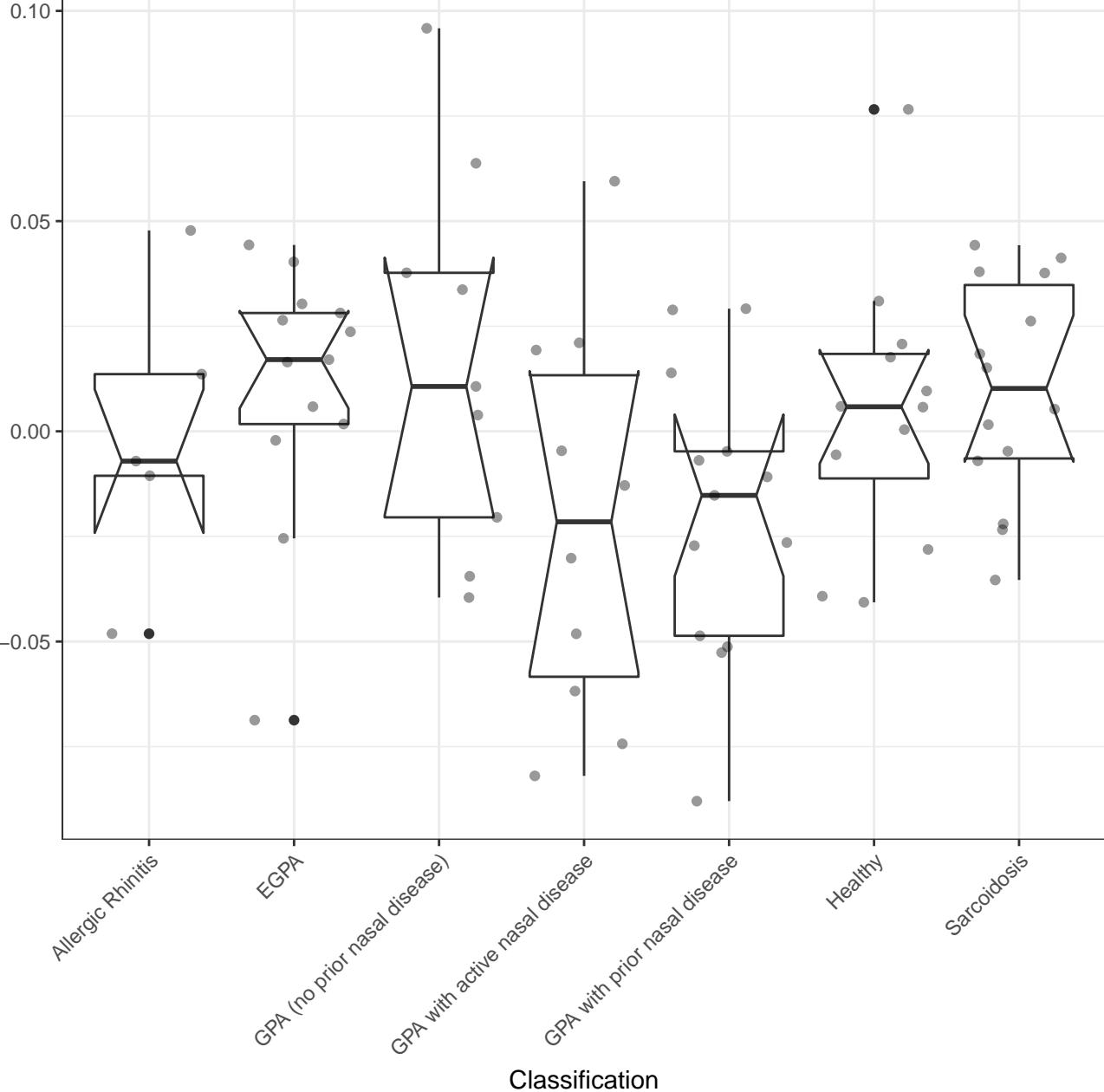
Healthy

Sarcoidosis

Classification

LV 85

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 90

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

91,KEGG_LYSOSOME

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

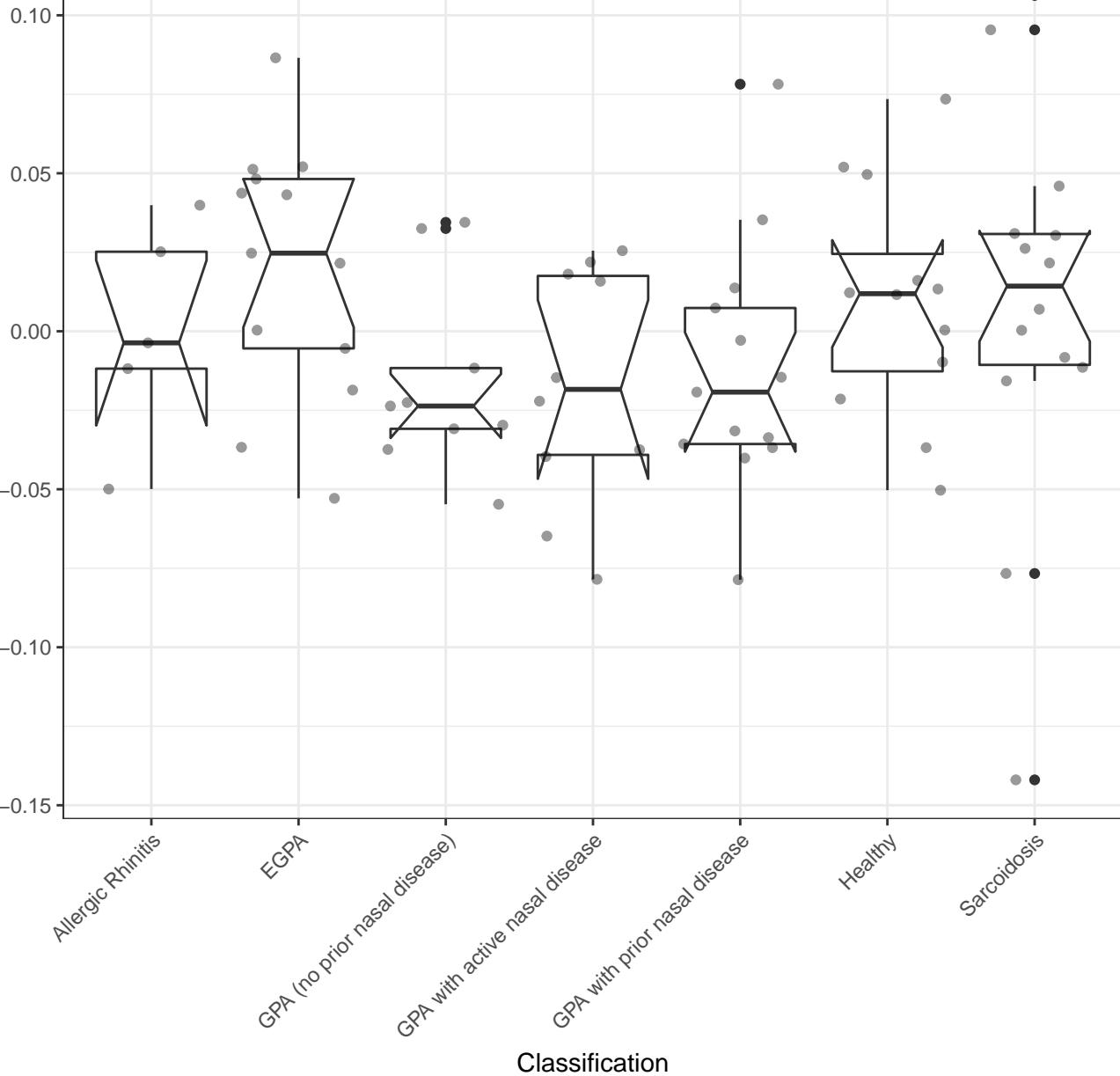
Healthy

Sarcoidosis

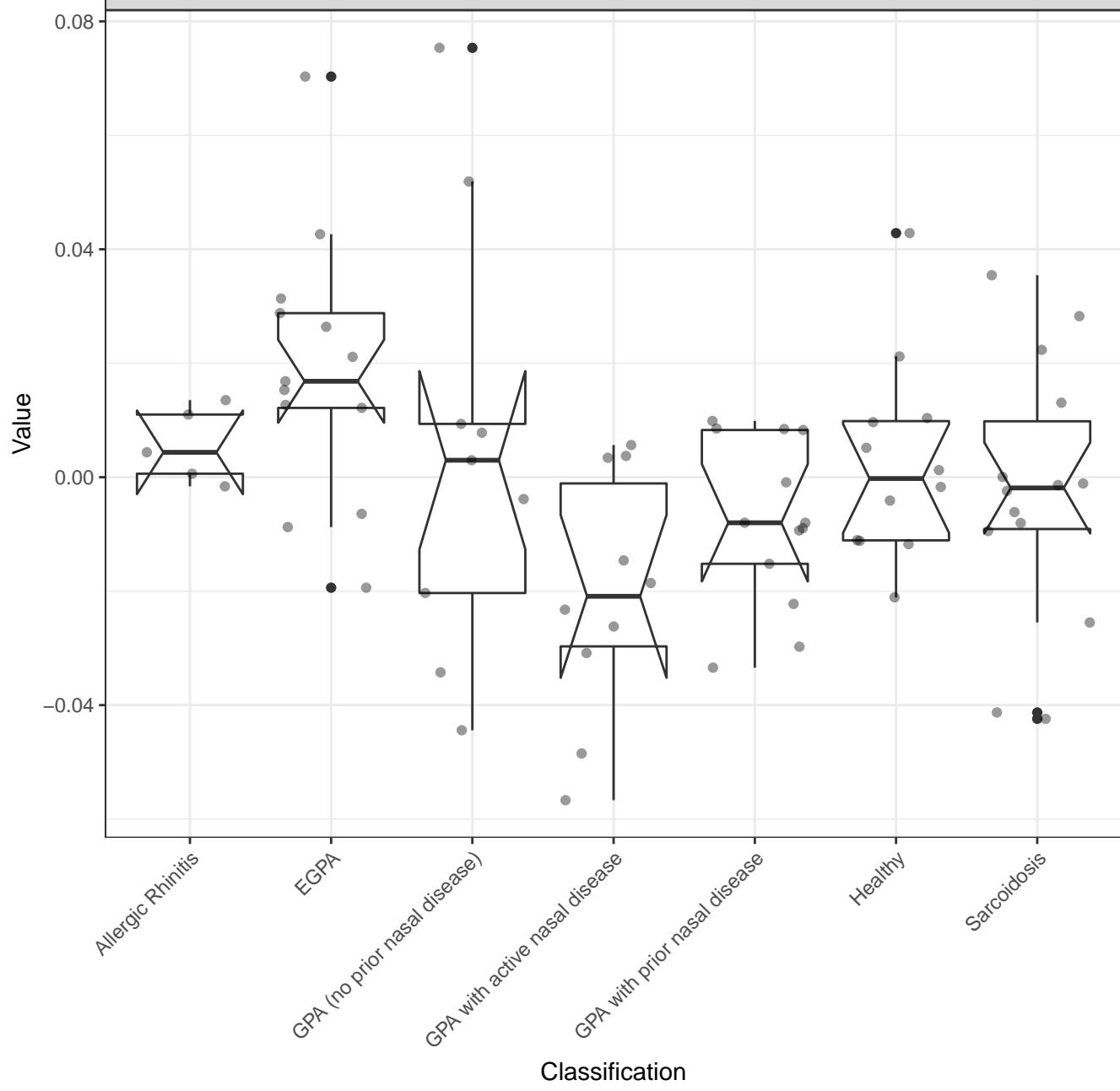
Classification

92,REACTOME_CHROMOSOME_MAINTENANCE

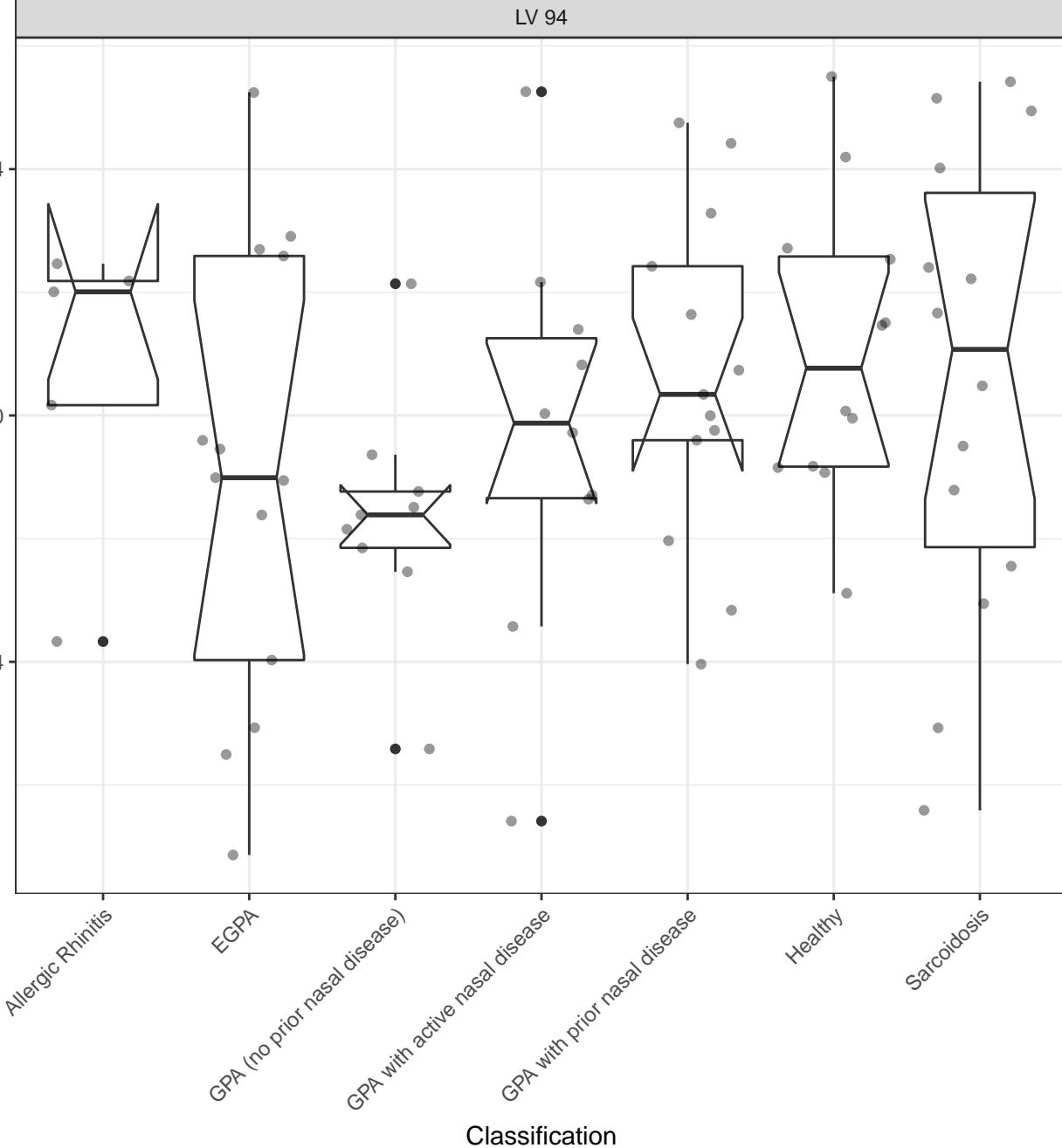
Value

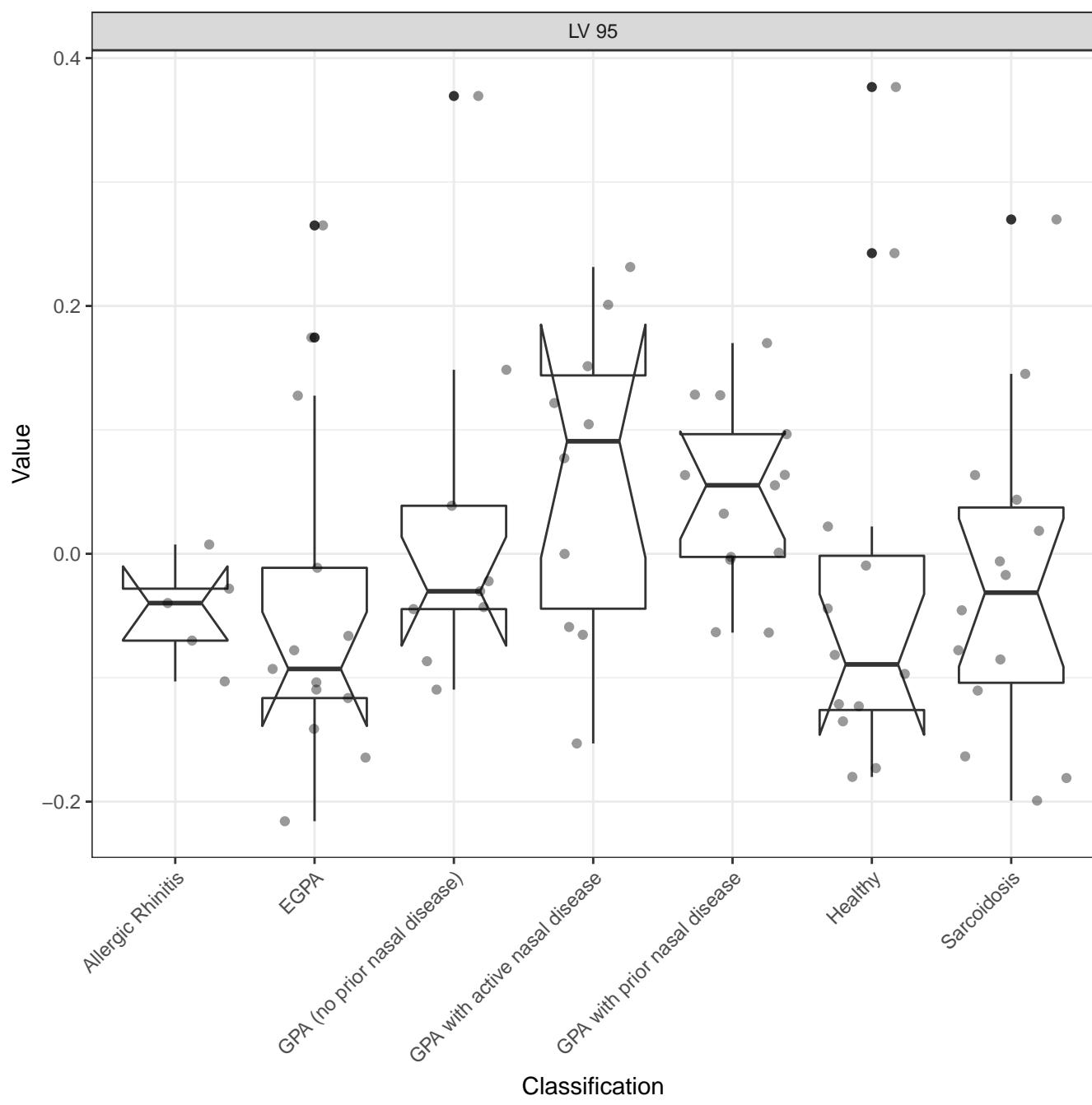


LV 93



Value





96,SVM NK cells activated

Value

0.10

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

97,KEGG_ARACHIDONIC_ACID_METABOLISM

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 98

Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

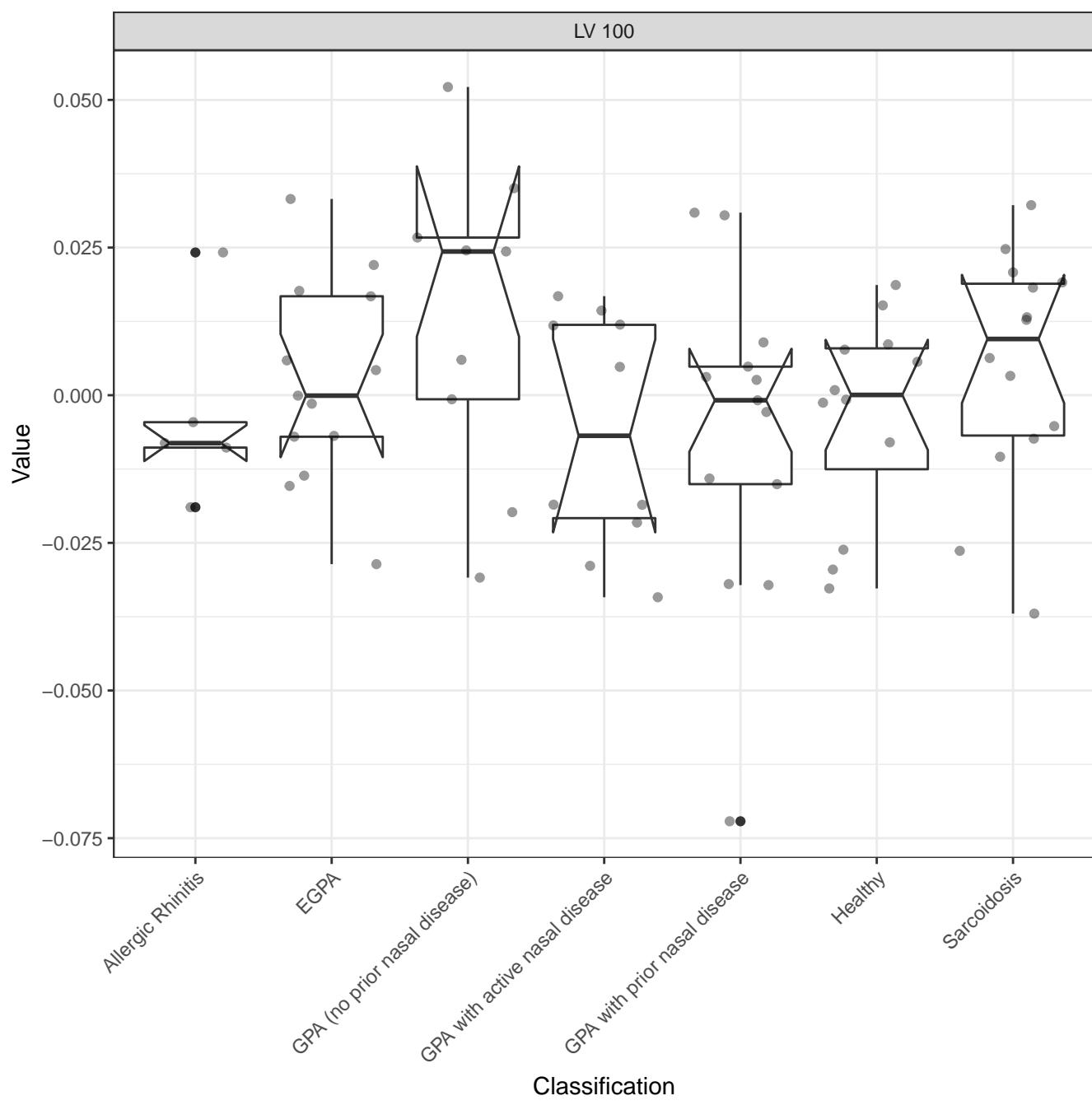
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

102,BIOCARTA_NFAT_PATHWAY

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

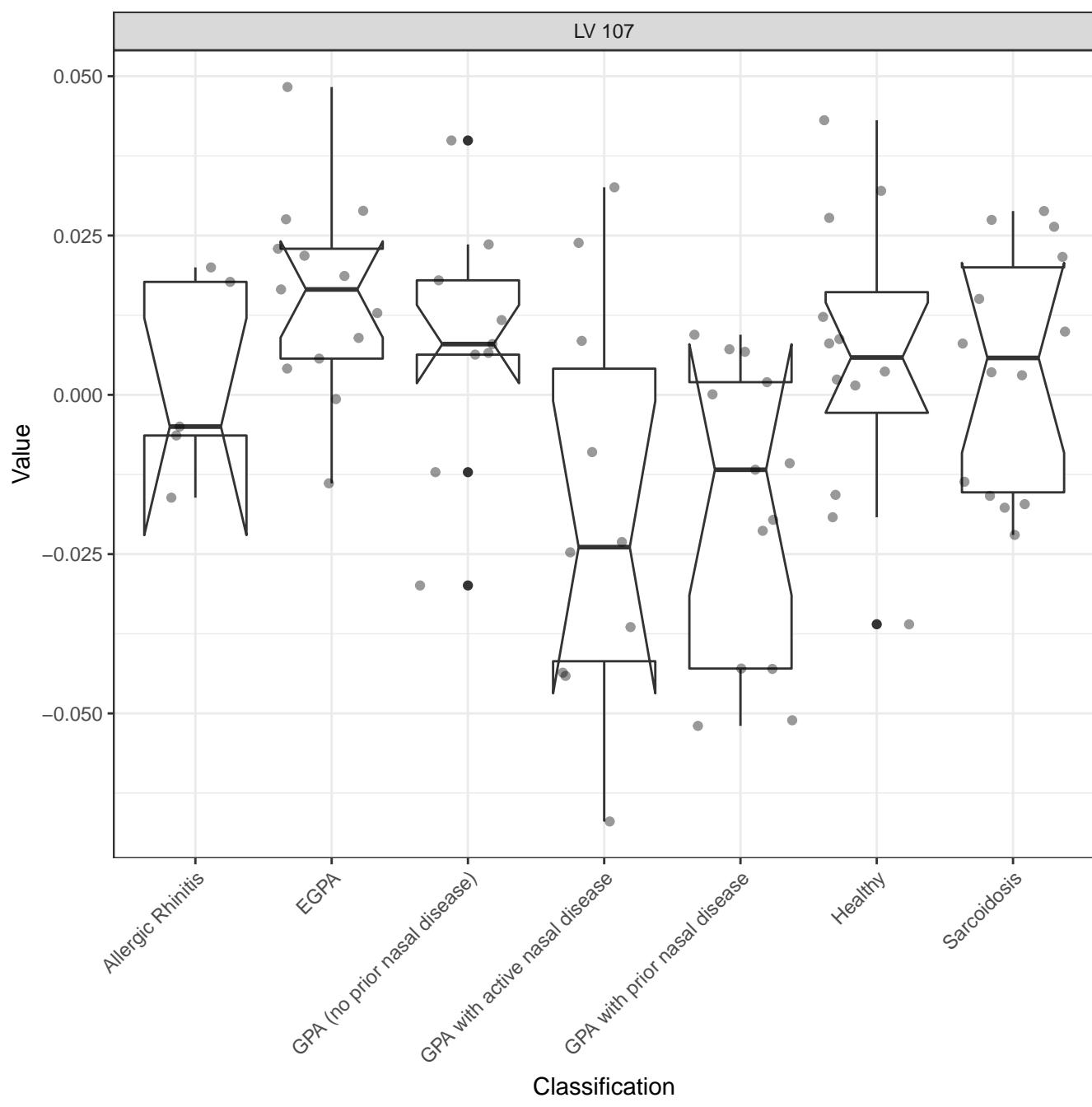
GPA with active nasal disease

GPA with prior nasal disease

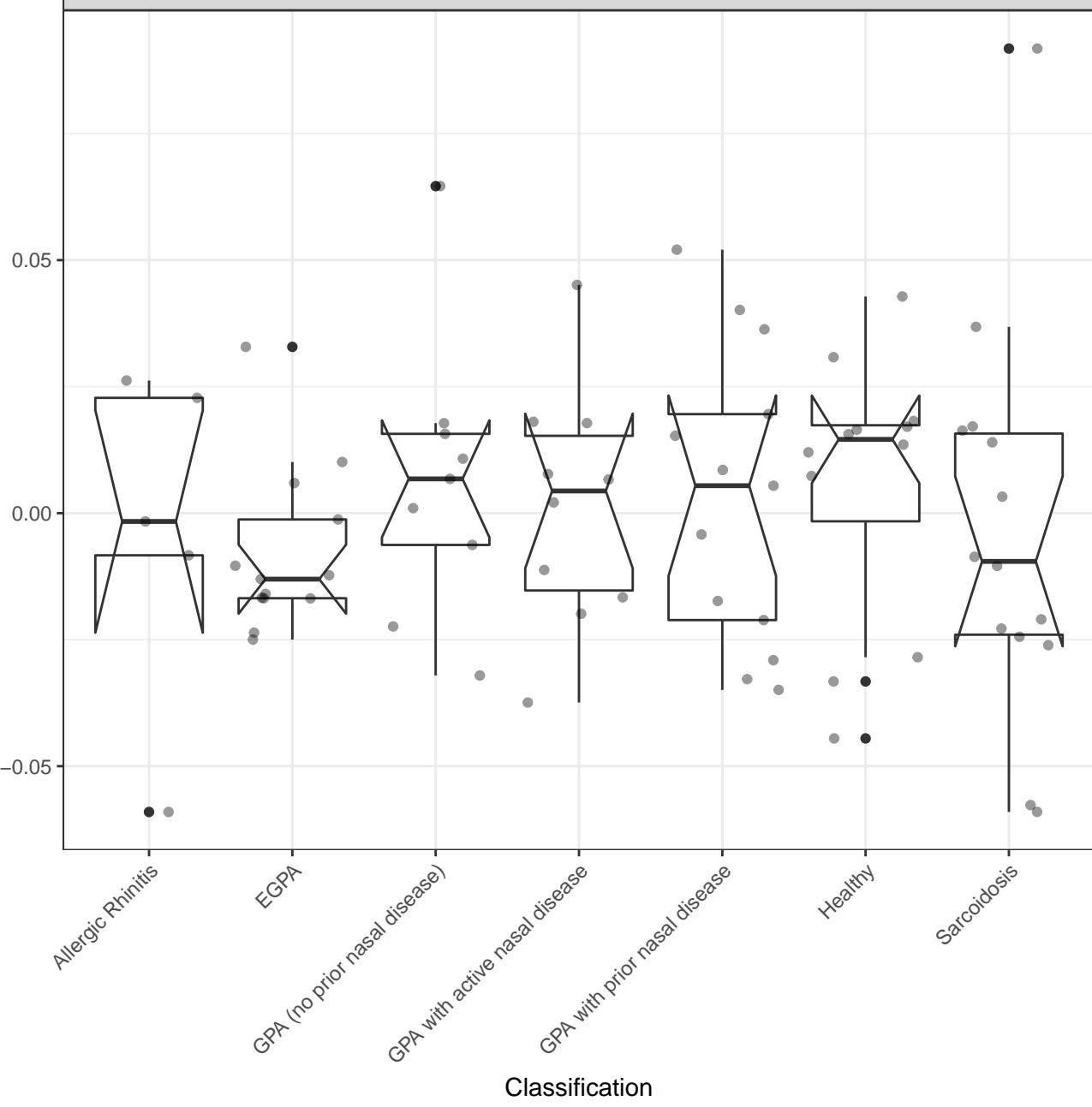
Healthy

Sarcoidosis

Classification



Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

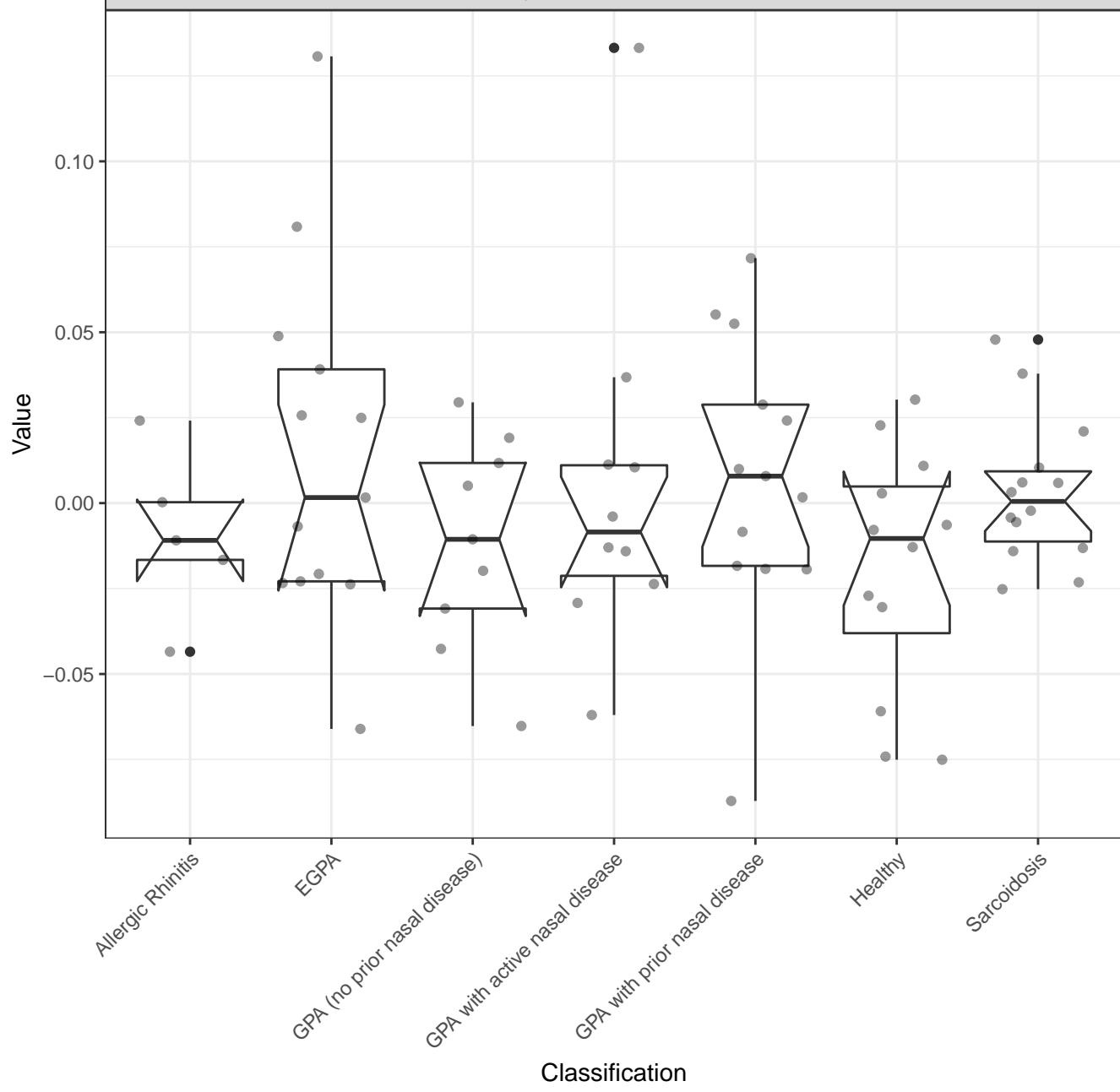
GPA with prior nasal disease

Healthy

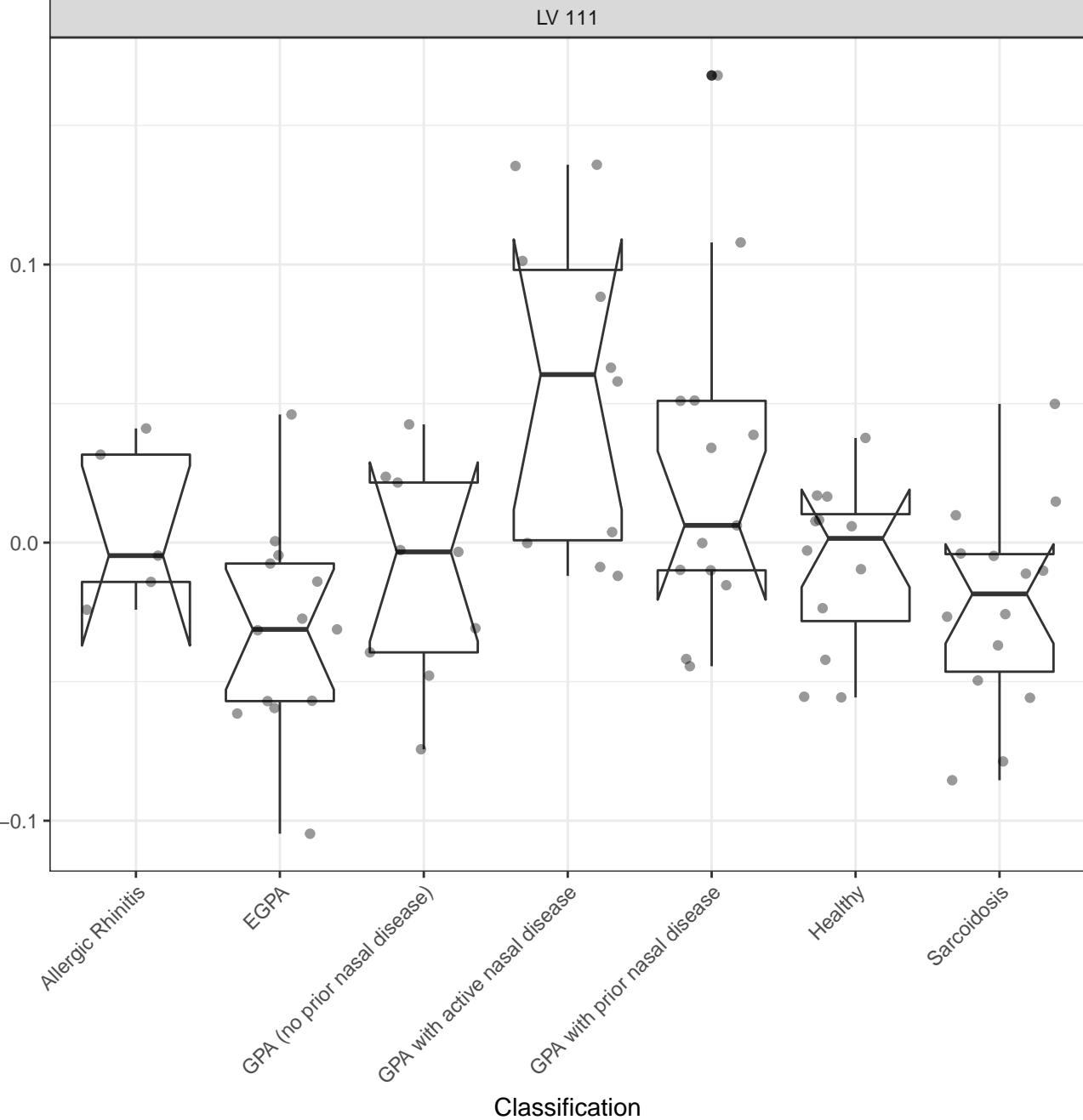
Sarcoidosis

Classification

110,REACTOME_MEIOSIS



Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

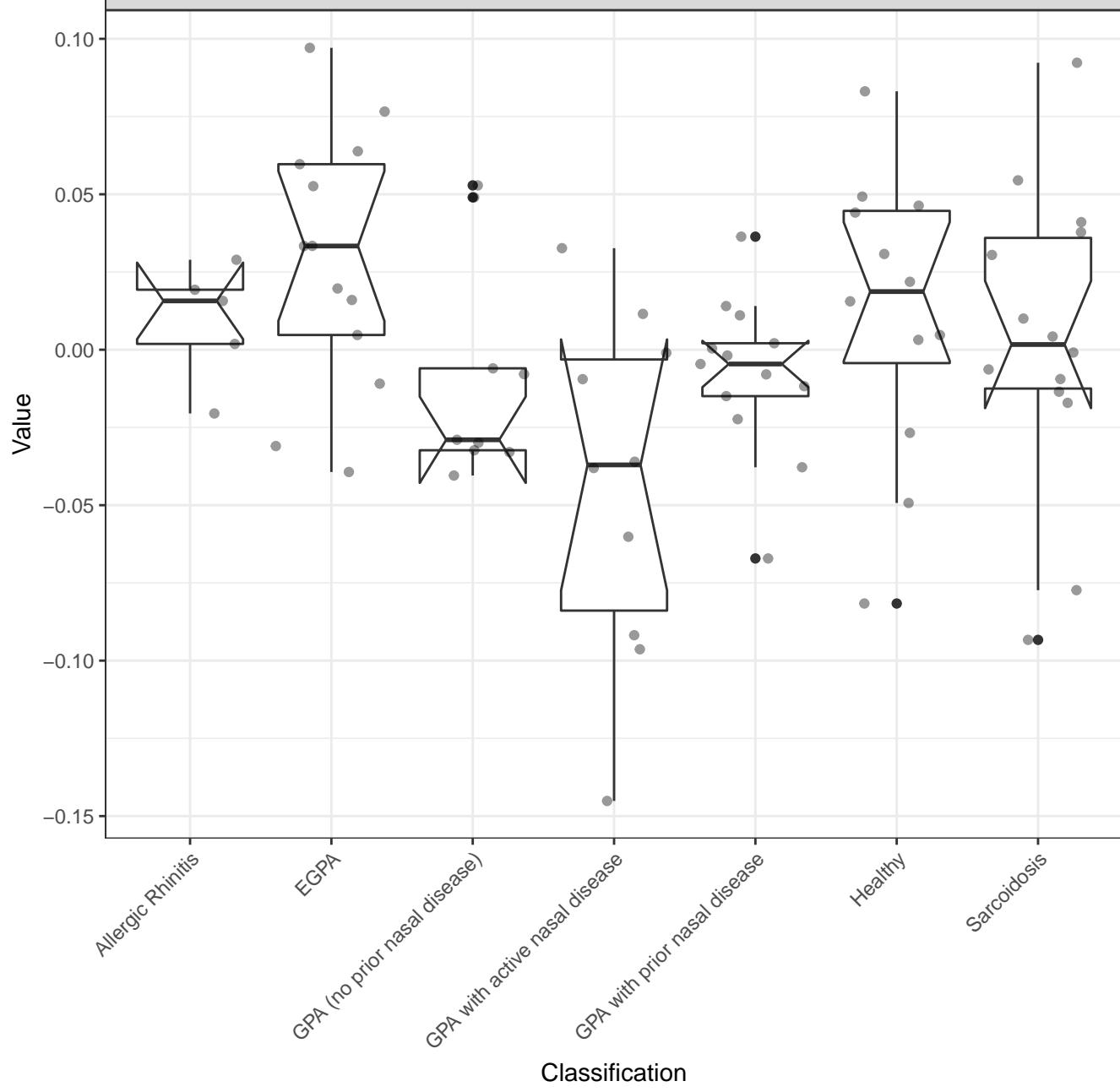
GPA with prior nasal disease

Healthy

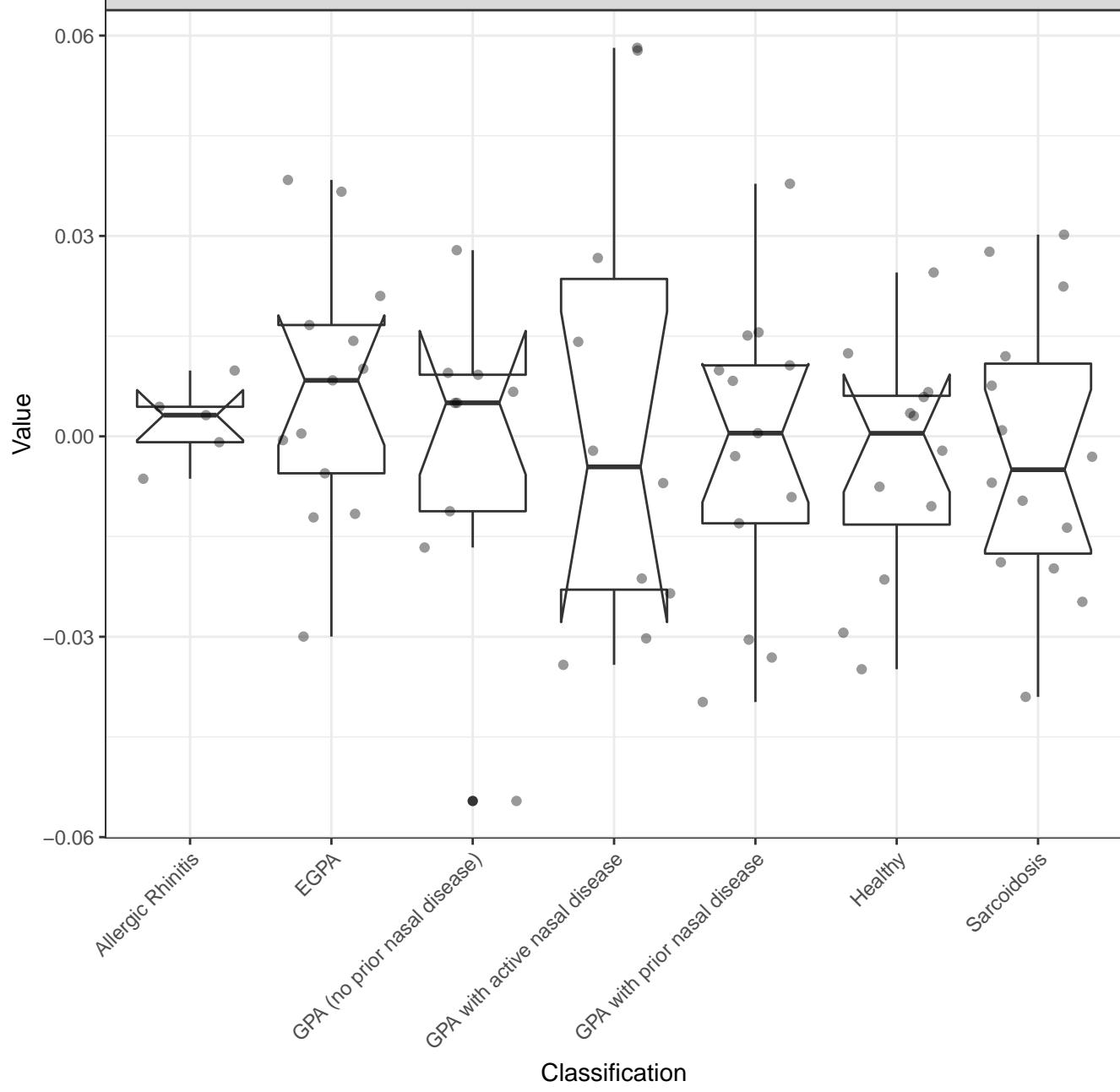
Sarcoidosis

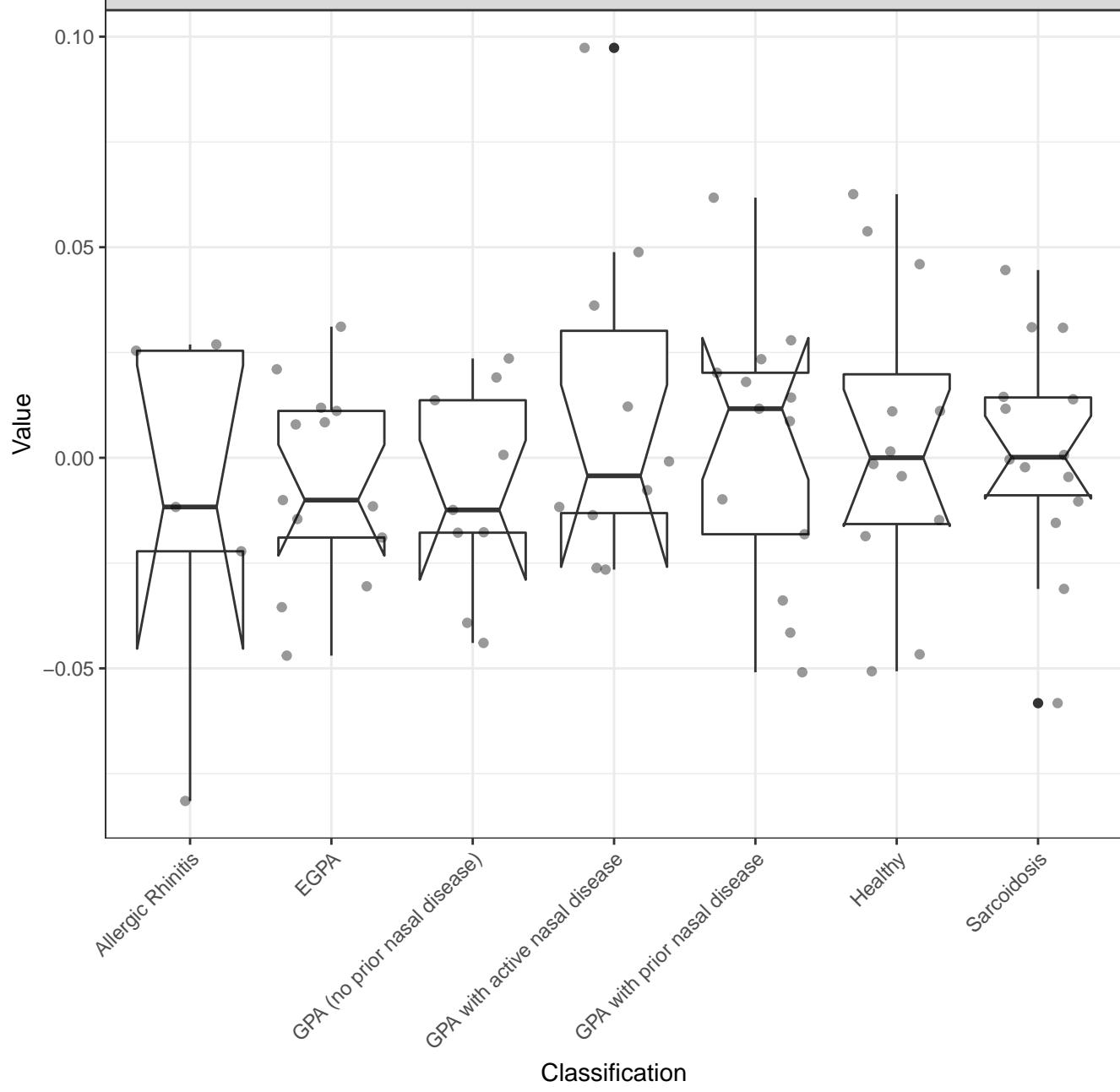
Classification

LV 113



LV 114





116,REACTOME_INTERFERON_ALPHA_BETA_SIGNALING

Value

0.4

0.2

0.0

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

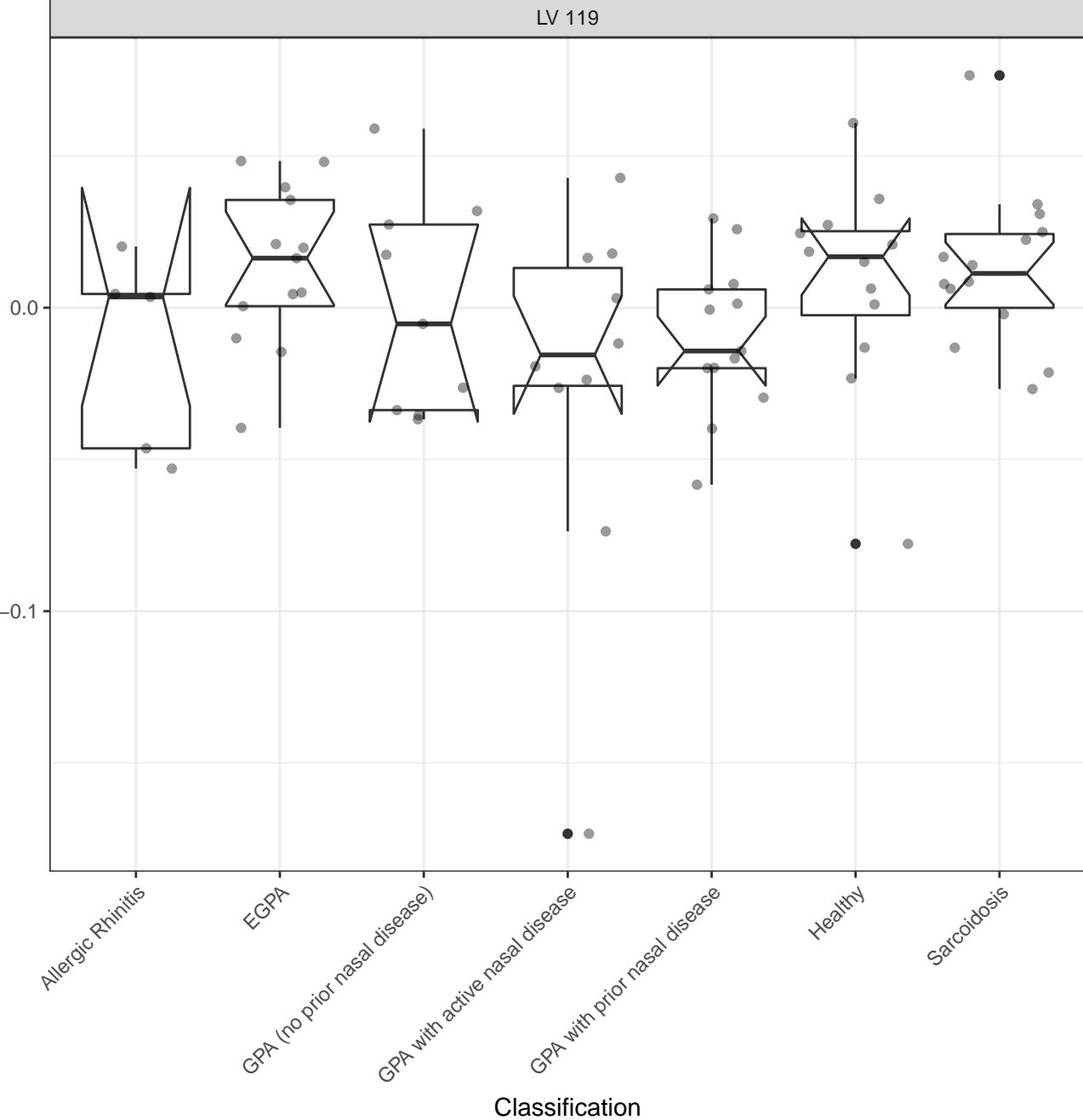
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.02

0.00

-0.02

-0.04

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

123,SVM Dendritic cells activated

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

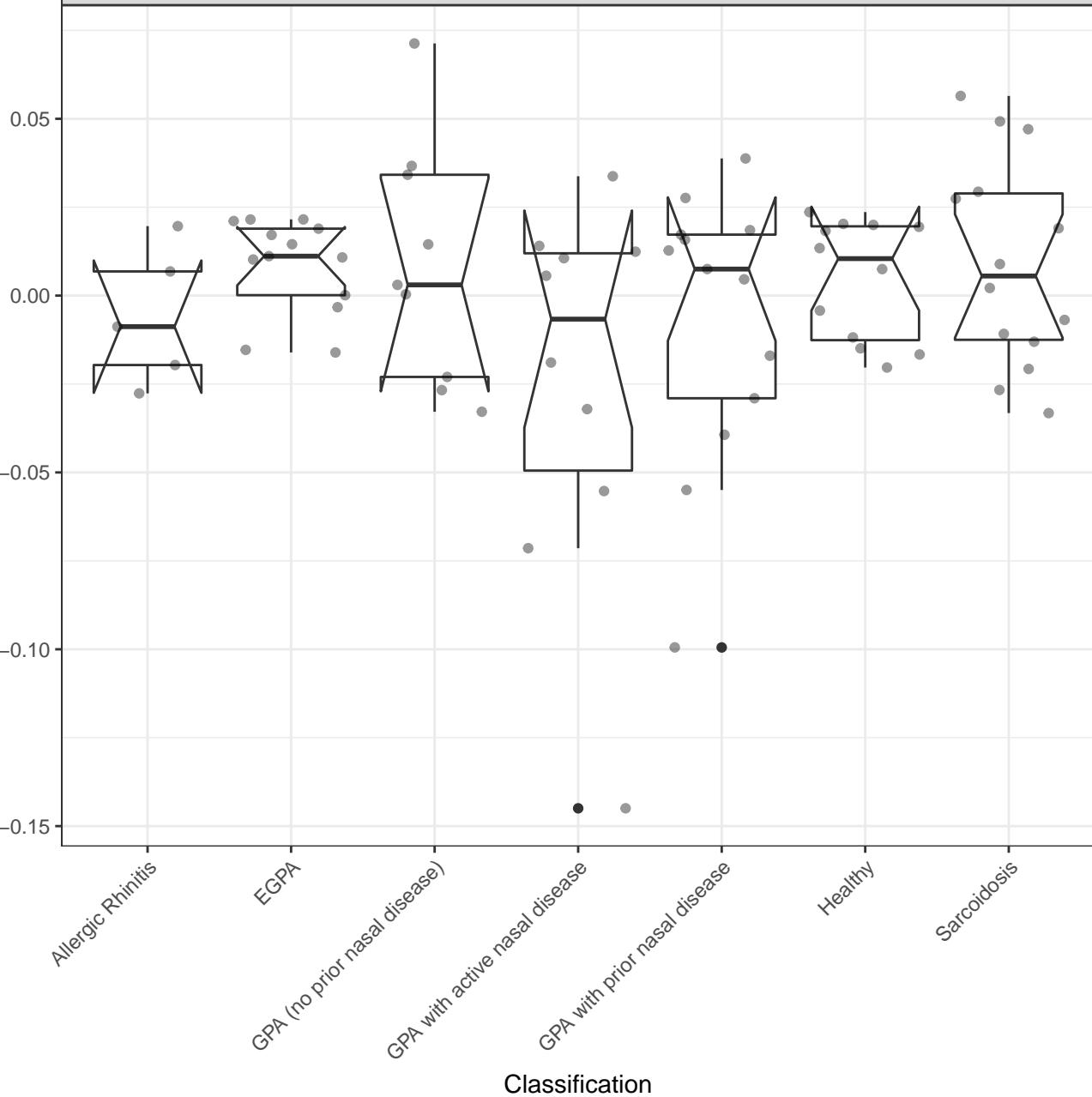
GPA with prior nasal disease

Healthy

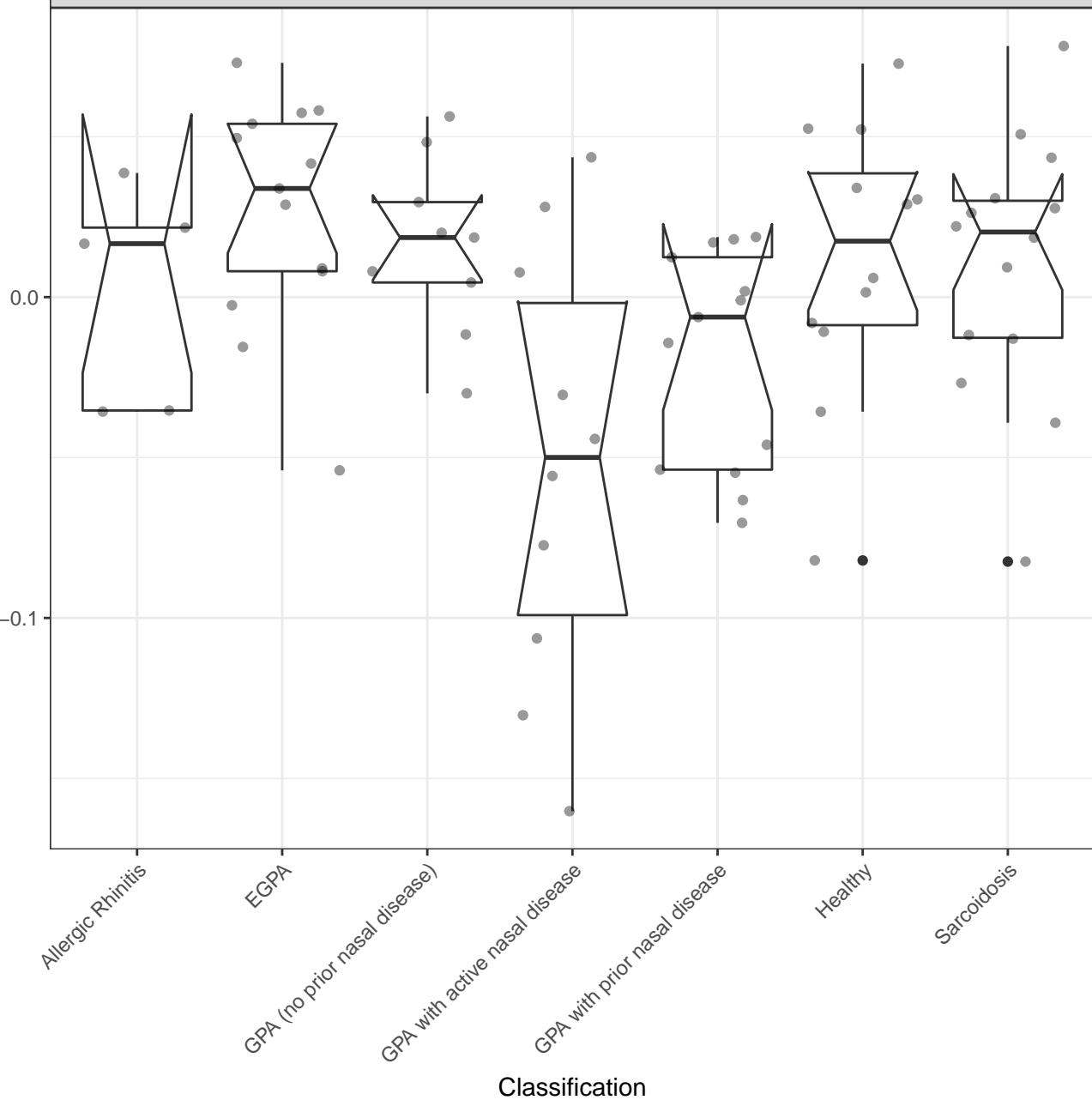
Sarcoidosis

Classification

Value



Value



Value

0.04

0.00

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.01

-0.03

-0.05

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

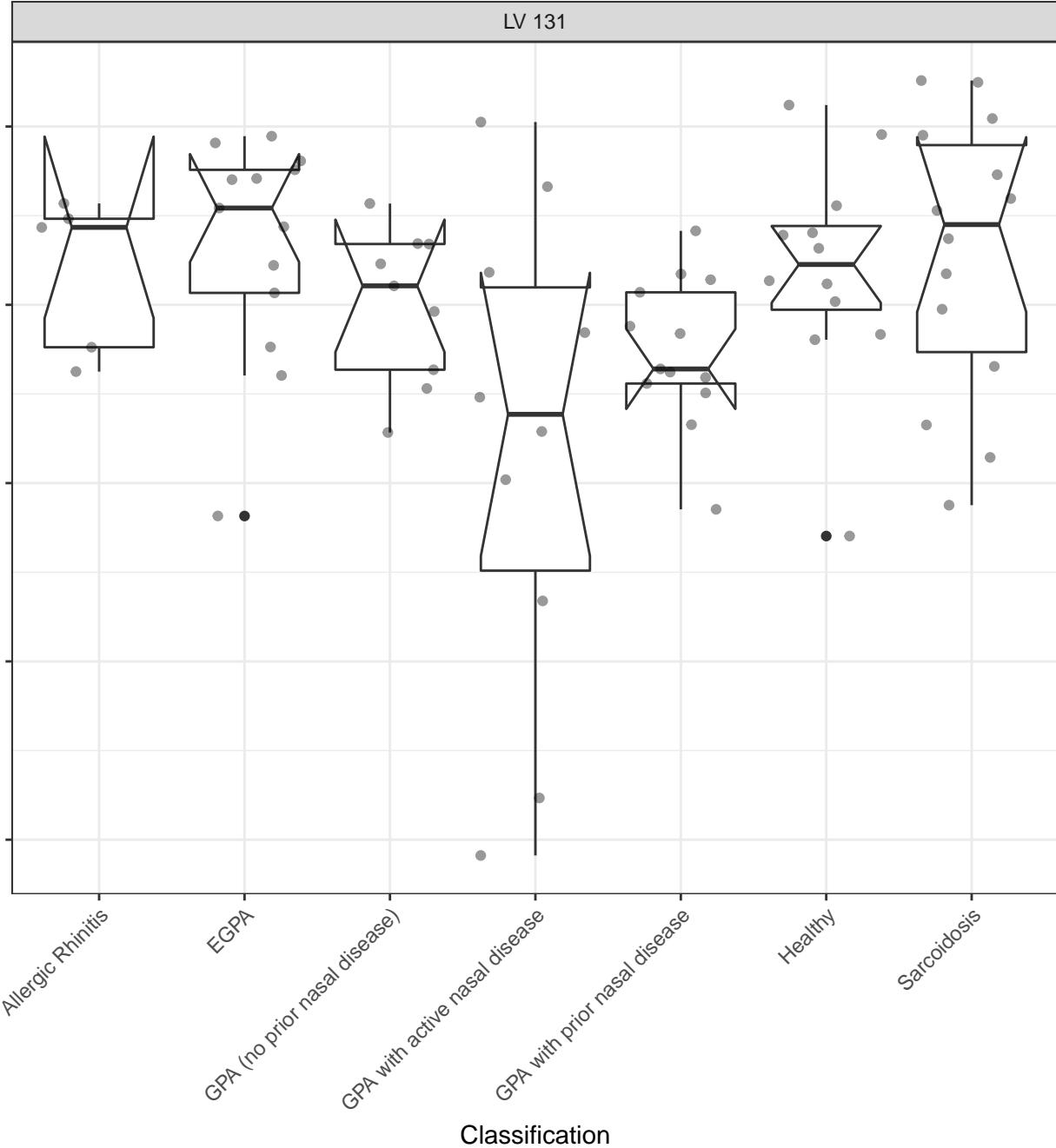
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.03

0.01

-0.01

-0.03

-0.05

-0.07

-0.09

-0.11

-0.13

-0.15

-0.17

-0.19

-0.21

-0.23

-0.25

-0.27

-0.29

-0.31

-0.33

-0.35

-0.37

-0.39

-0.41

-0.43

-0.45

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

136,PID_INTEGRIN1_PATHWAY

Value

0.3

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

140,REACTOME_INTERFERON_GAMMA_SIGNALING

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

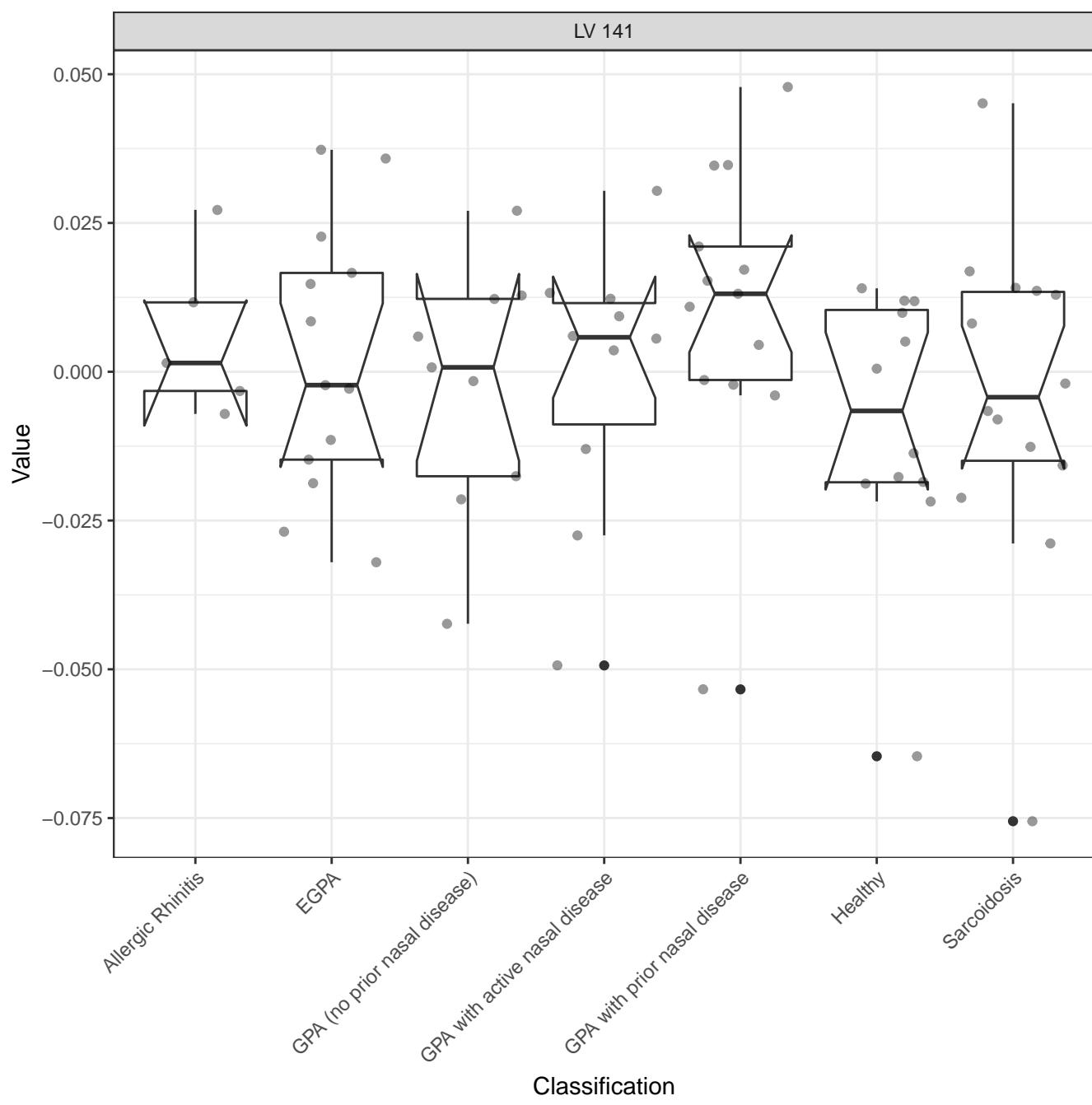
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 141



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

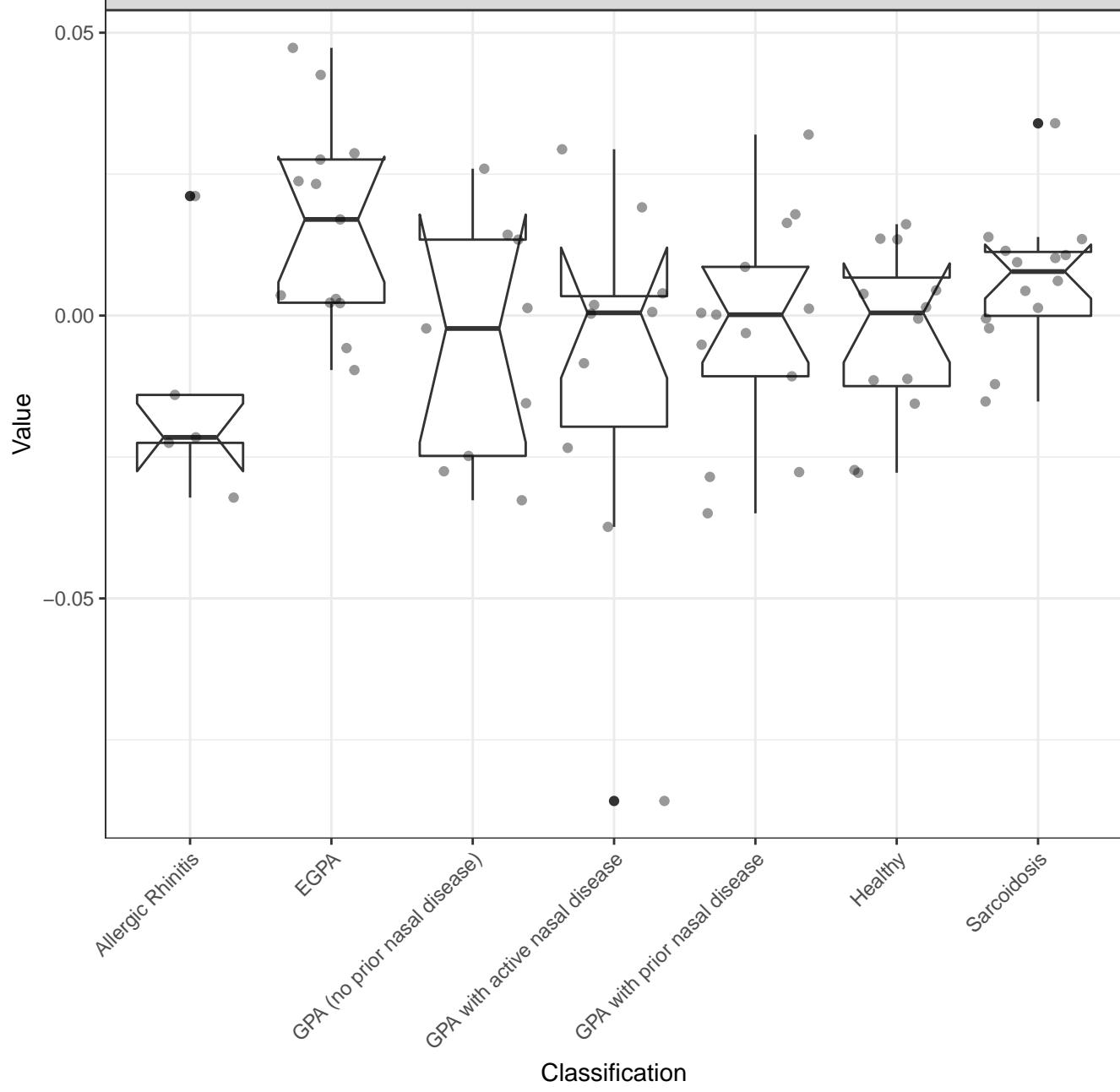
GPA with prior nasal disease

Healthy

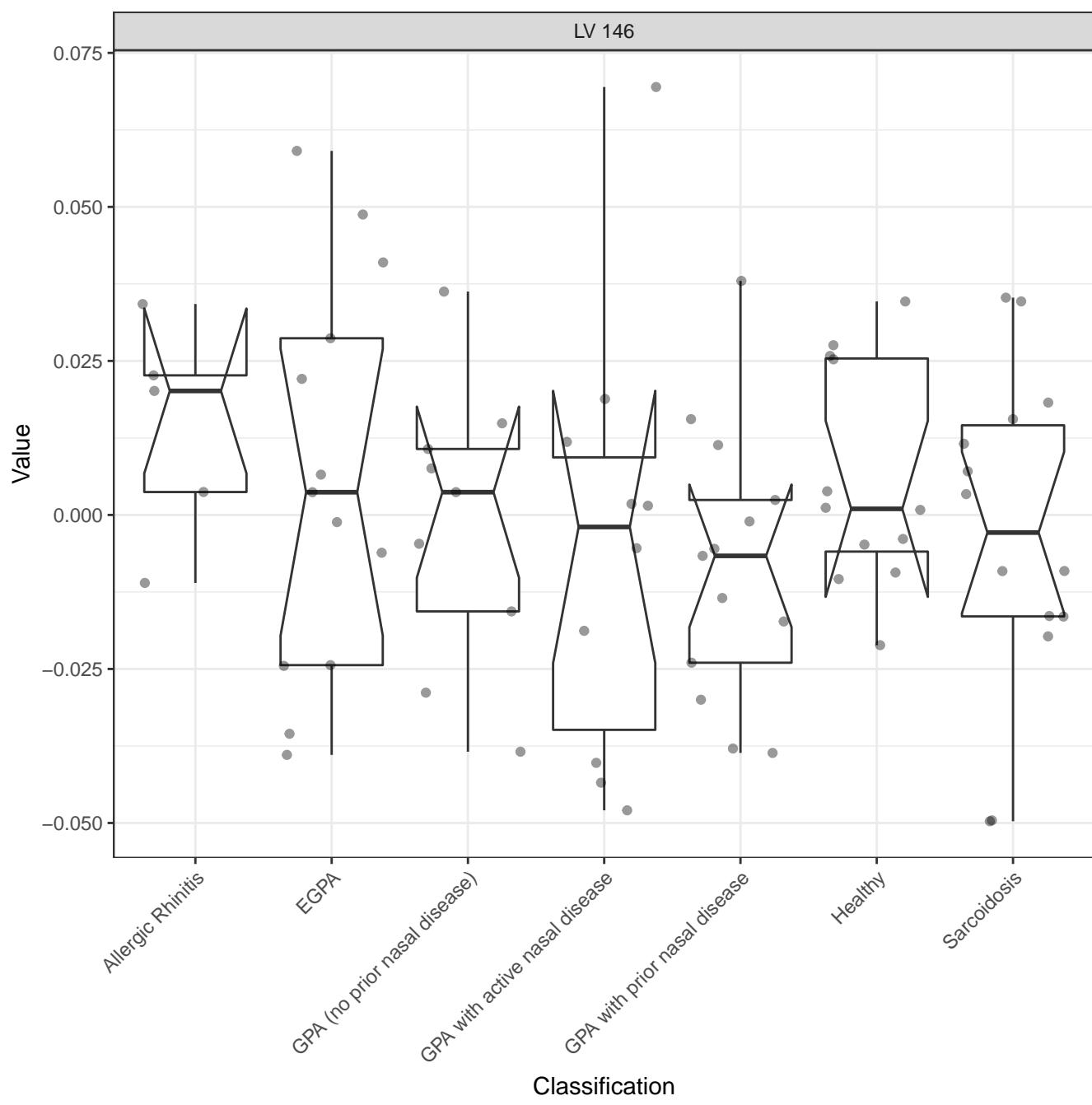
Sarcoidosis

Classification

LV 145



LV 146



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05
0.00
-0.05
-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

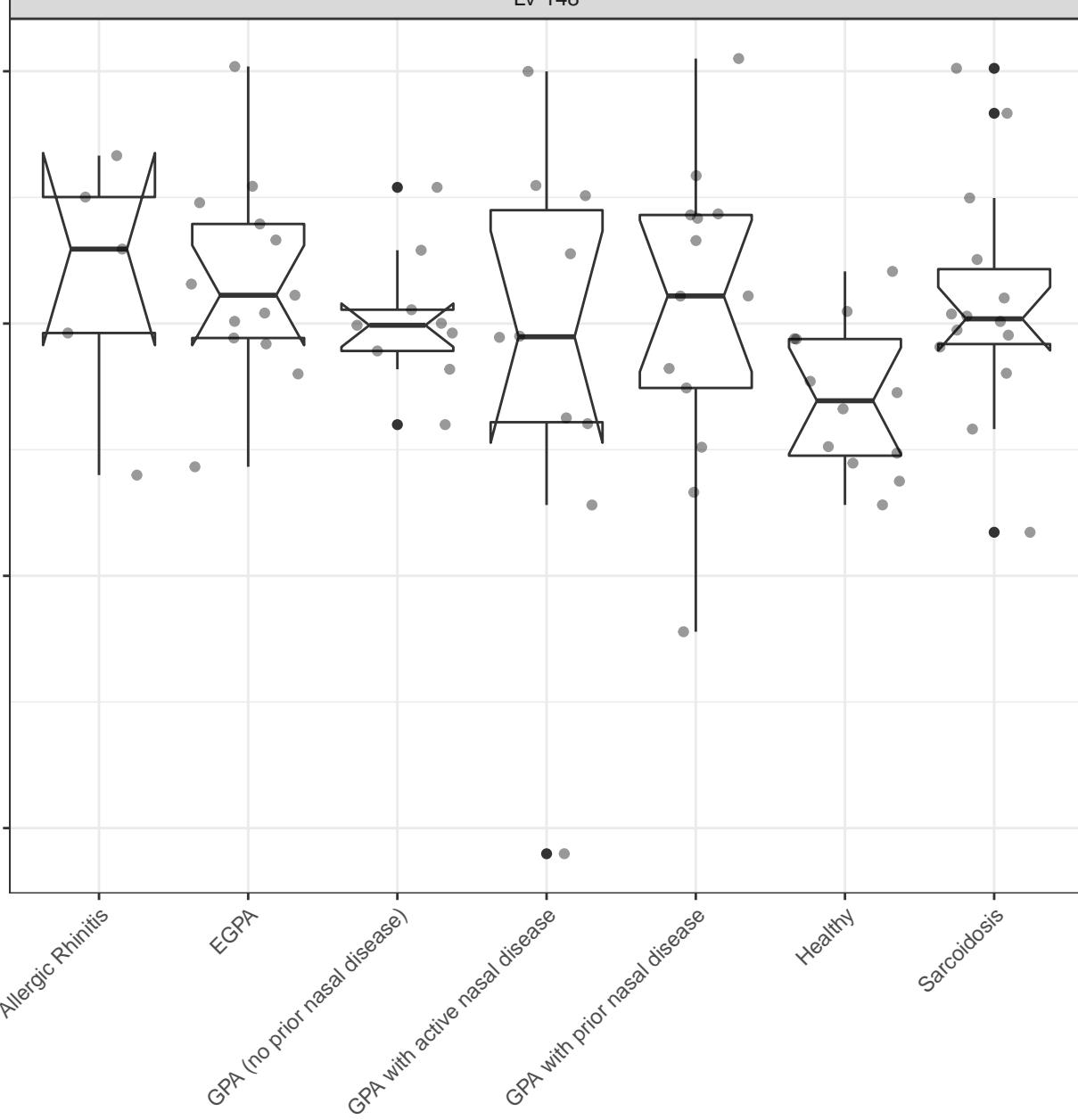
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

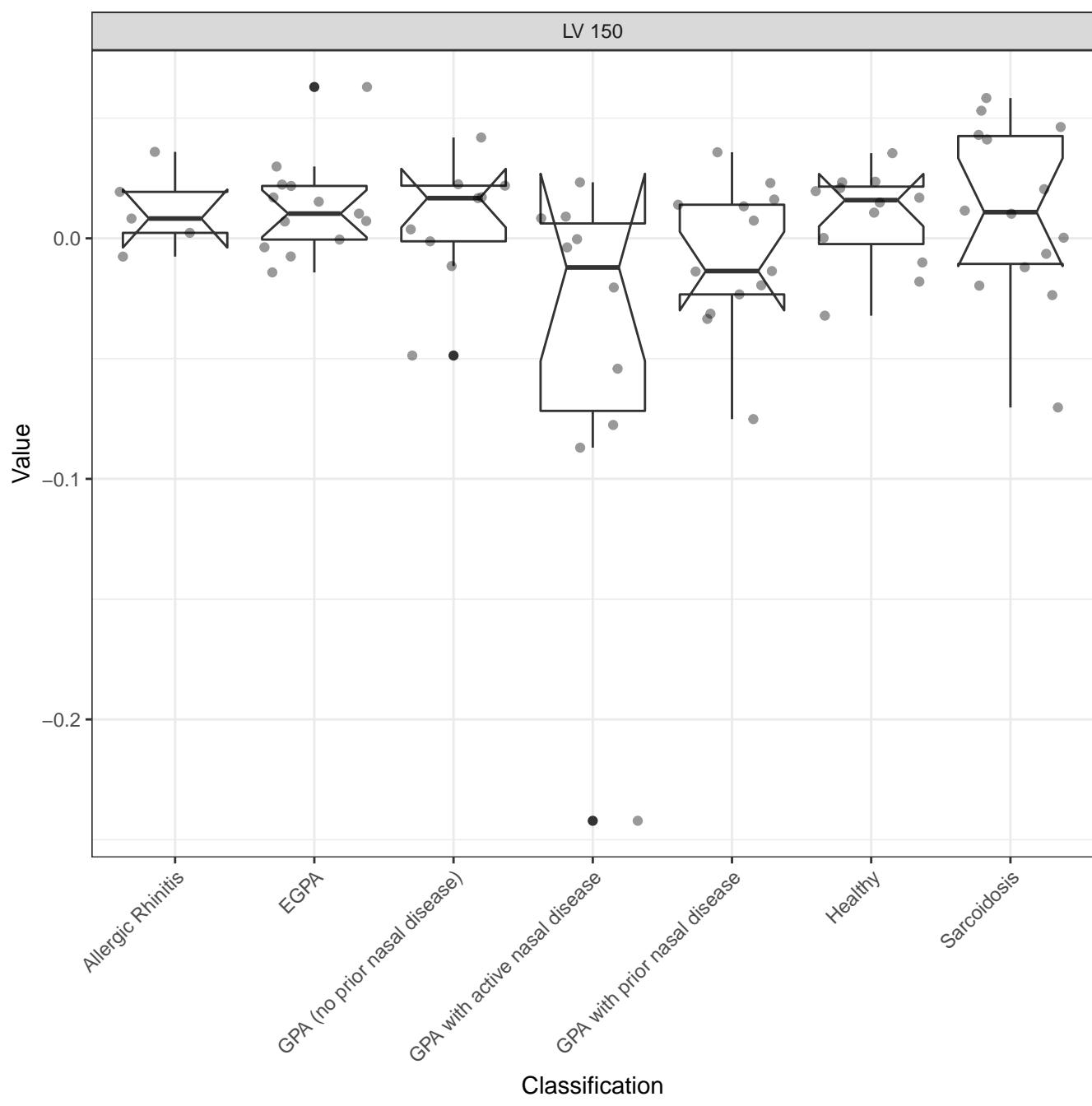
GPA with active nasal disease

GPA with prior nasal disease

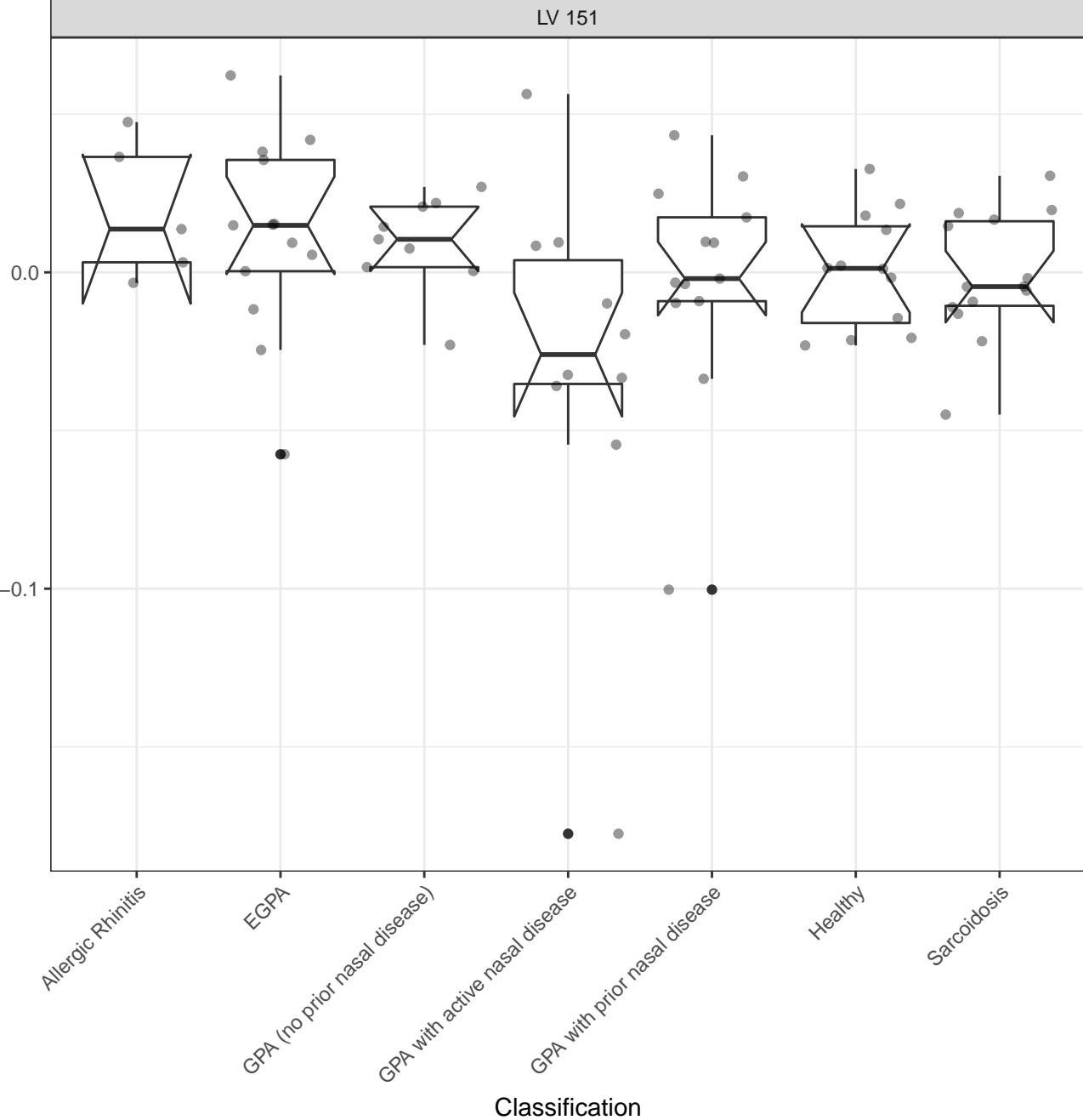
Healthy

Sarcoidosis

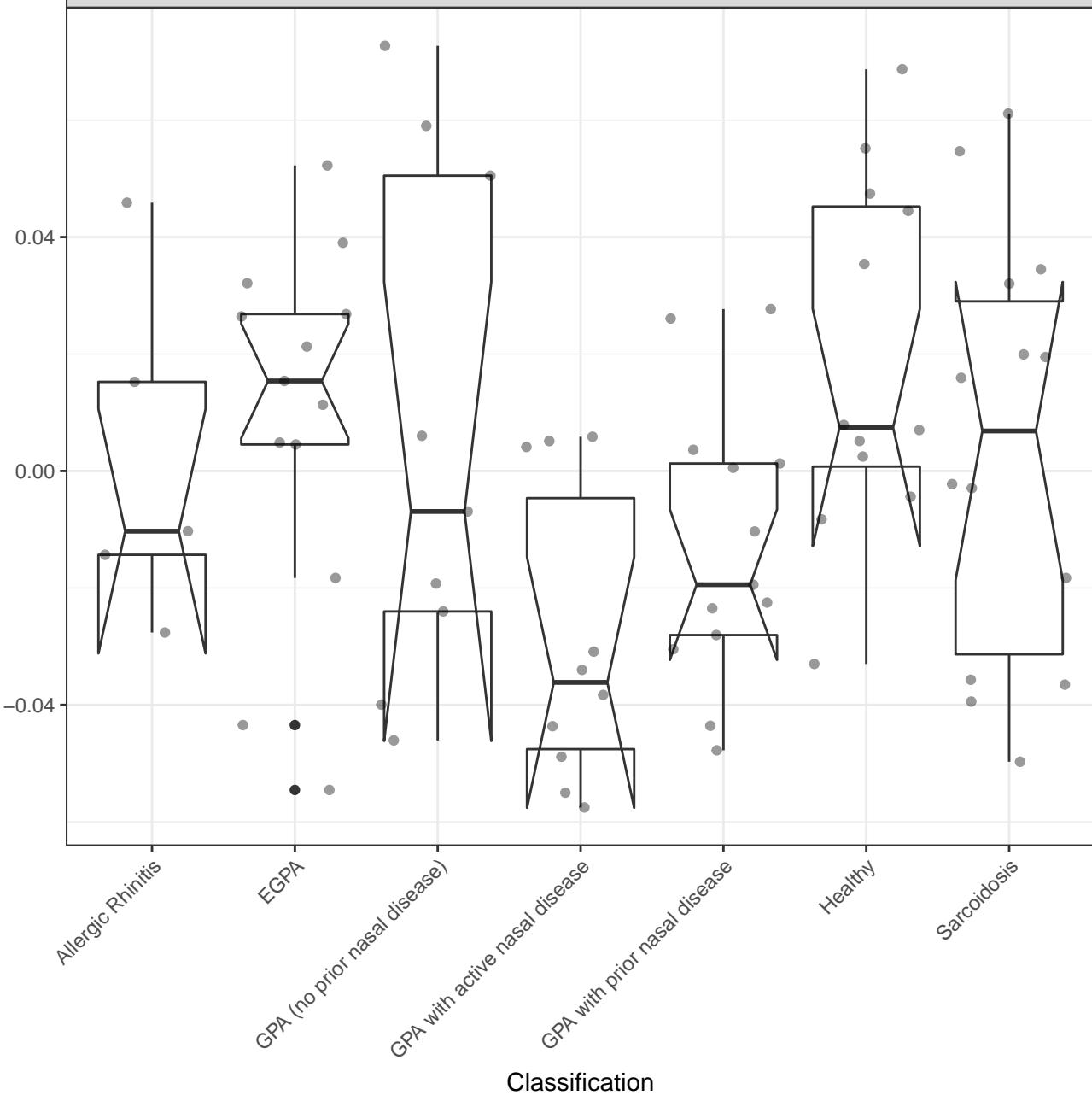
Classification



Value



Value



Value

0.04

0.00

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 156

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

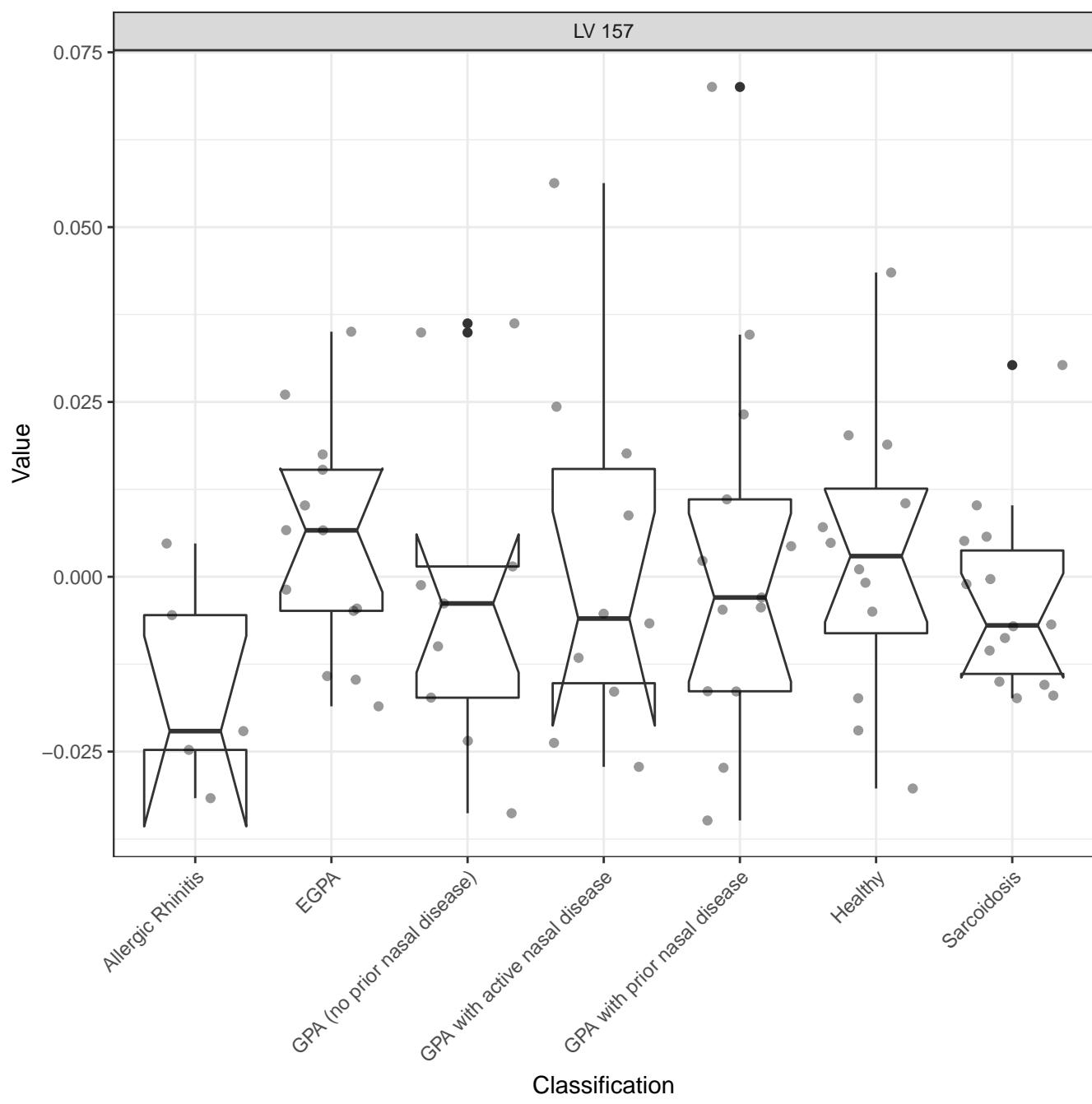
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

161,REACTOME_TRNA_AMINOACYLATION

Value

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

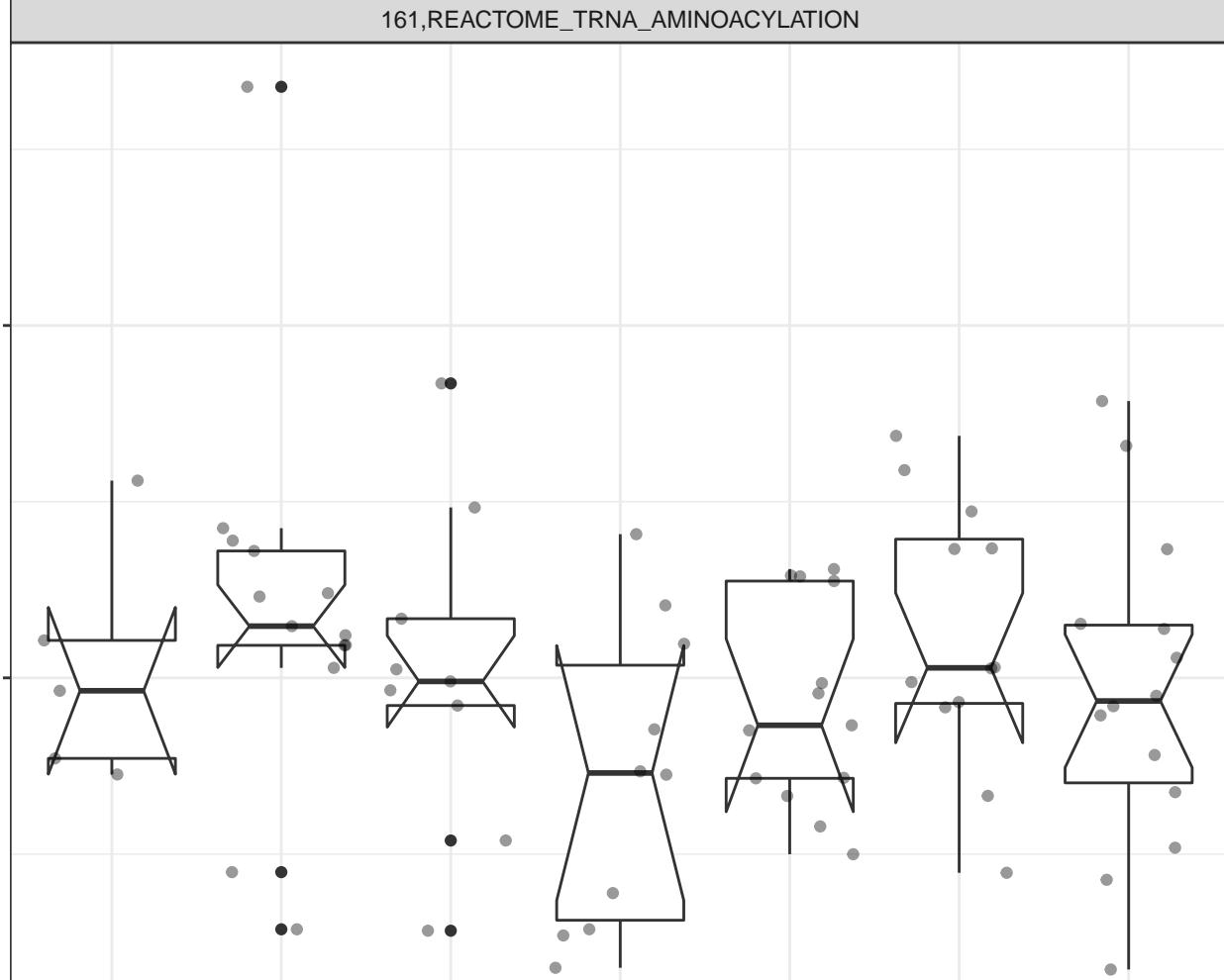
GPA with active nasal disease

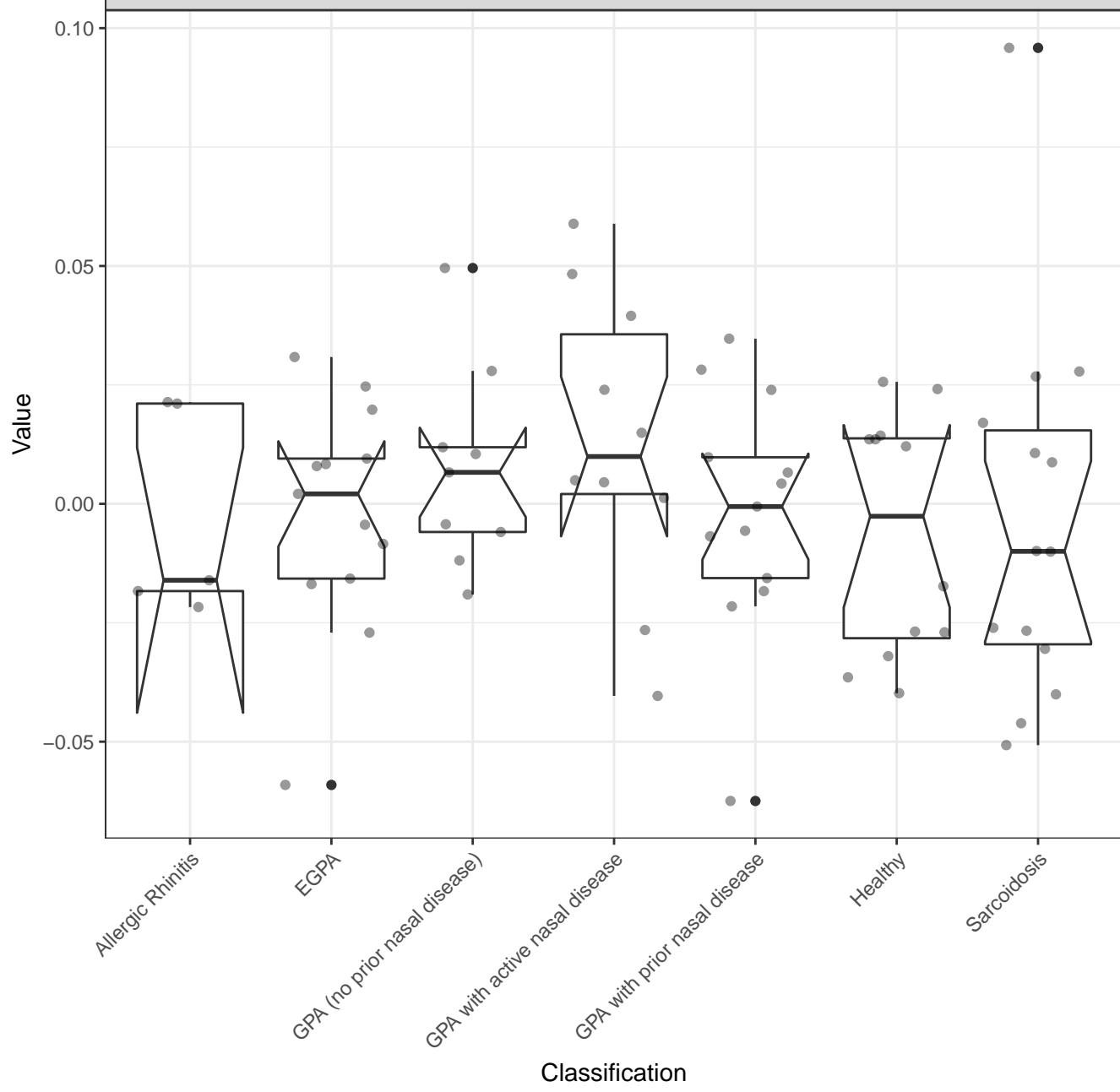
GPA with prior nasal disease

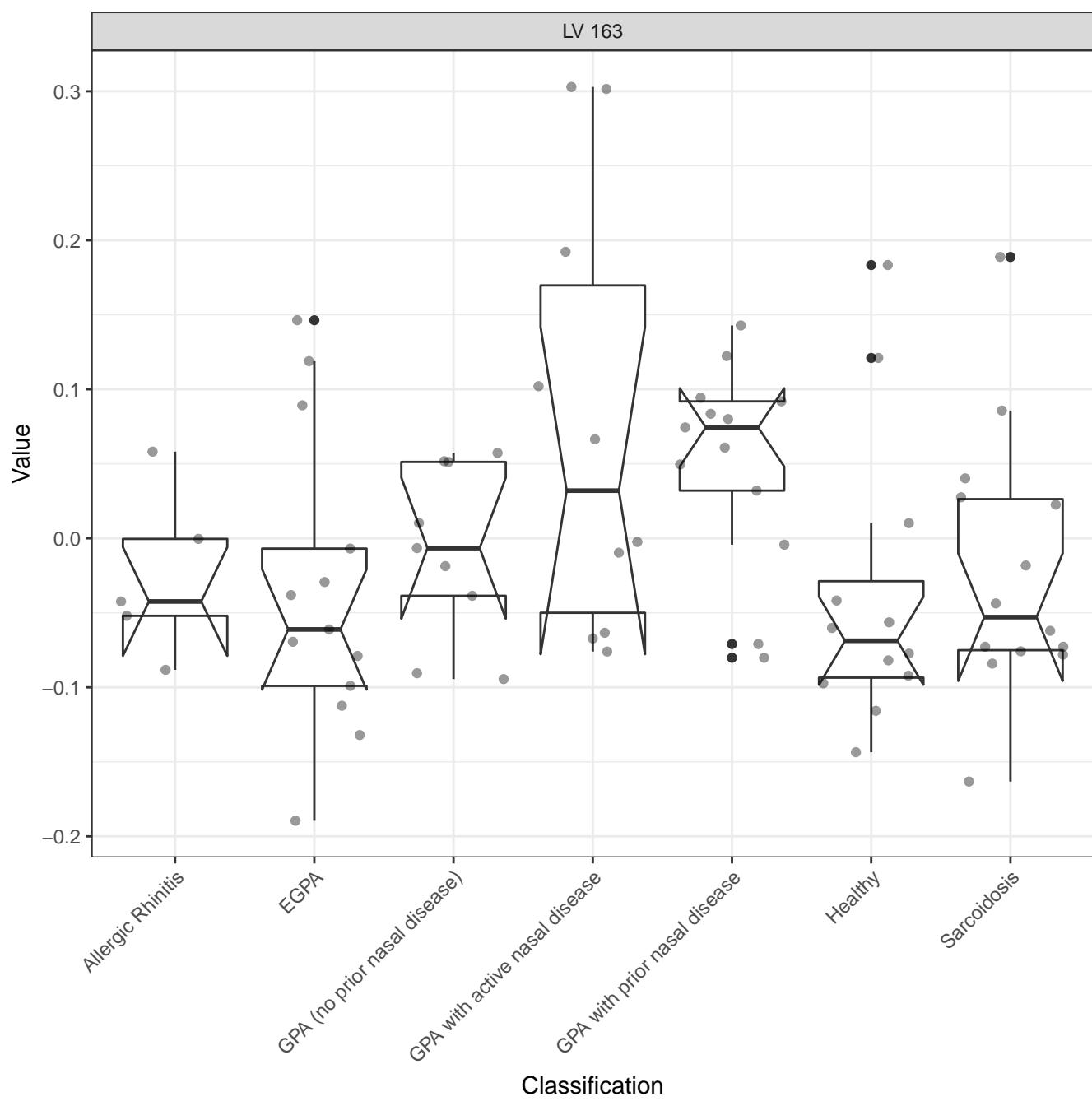
Healthy

Sarcoidosis

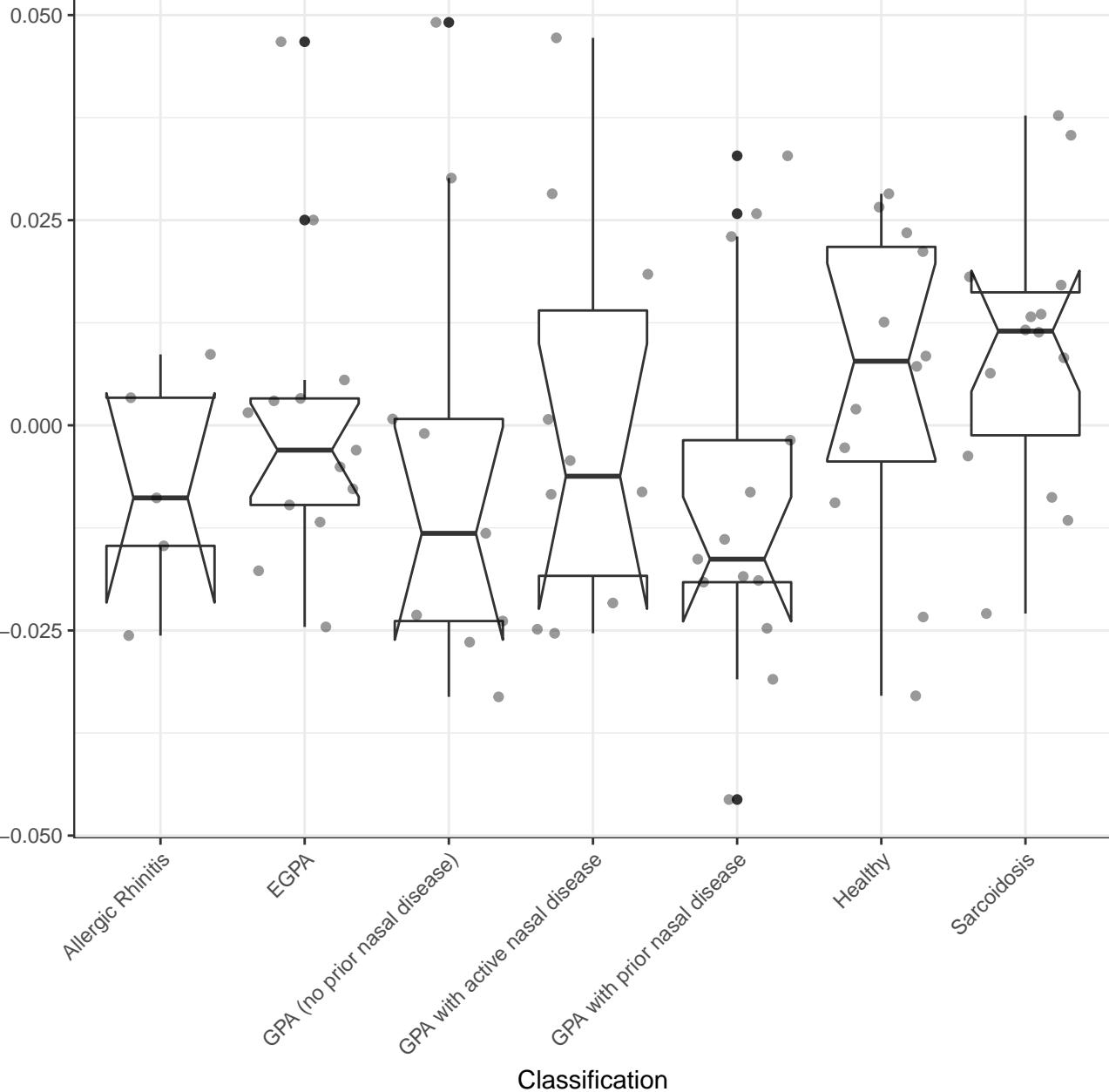
Classification







Value



Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

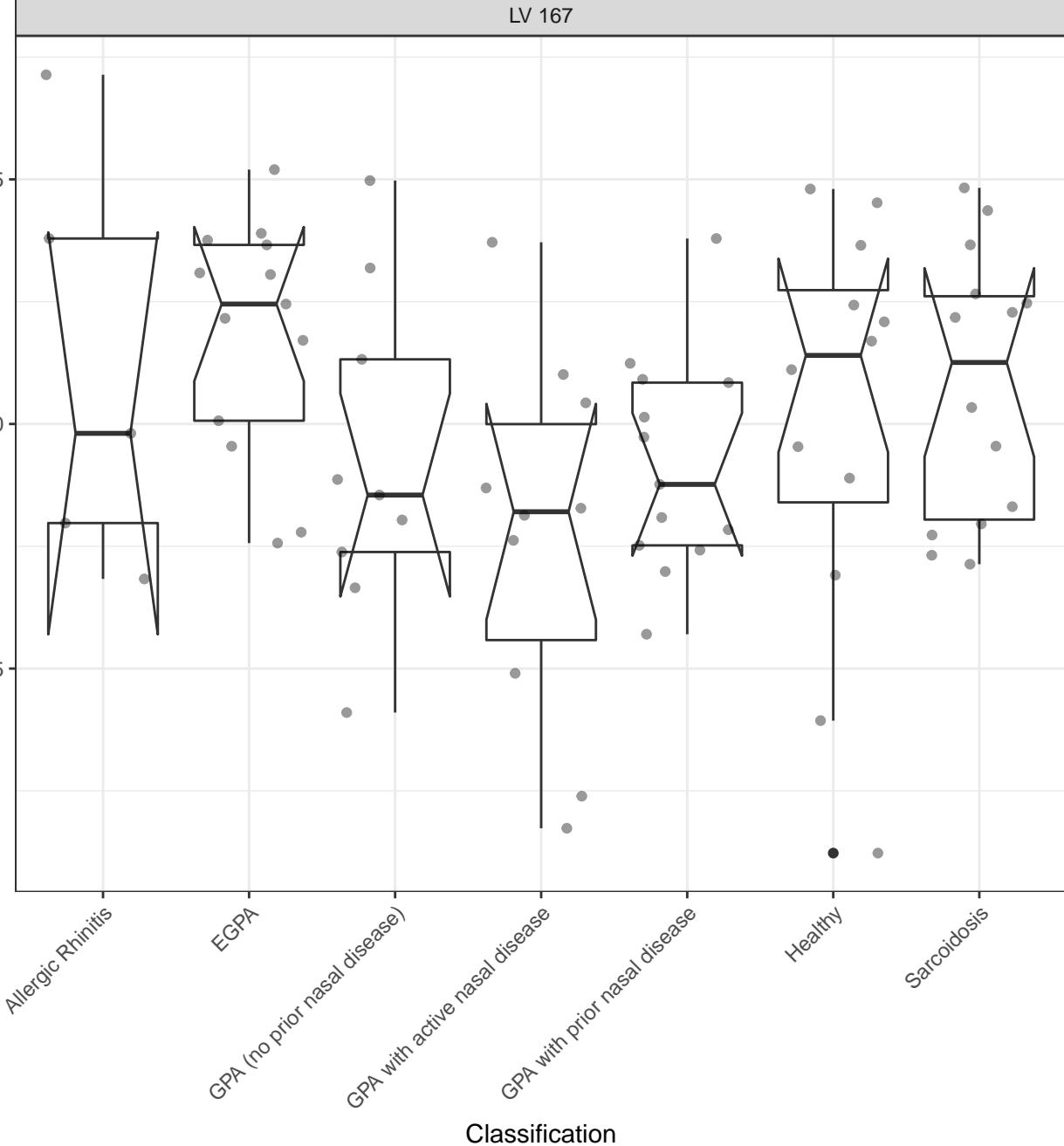
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

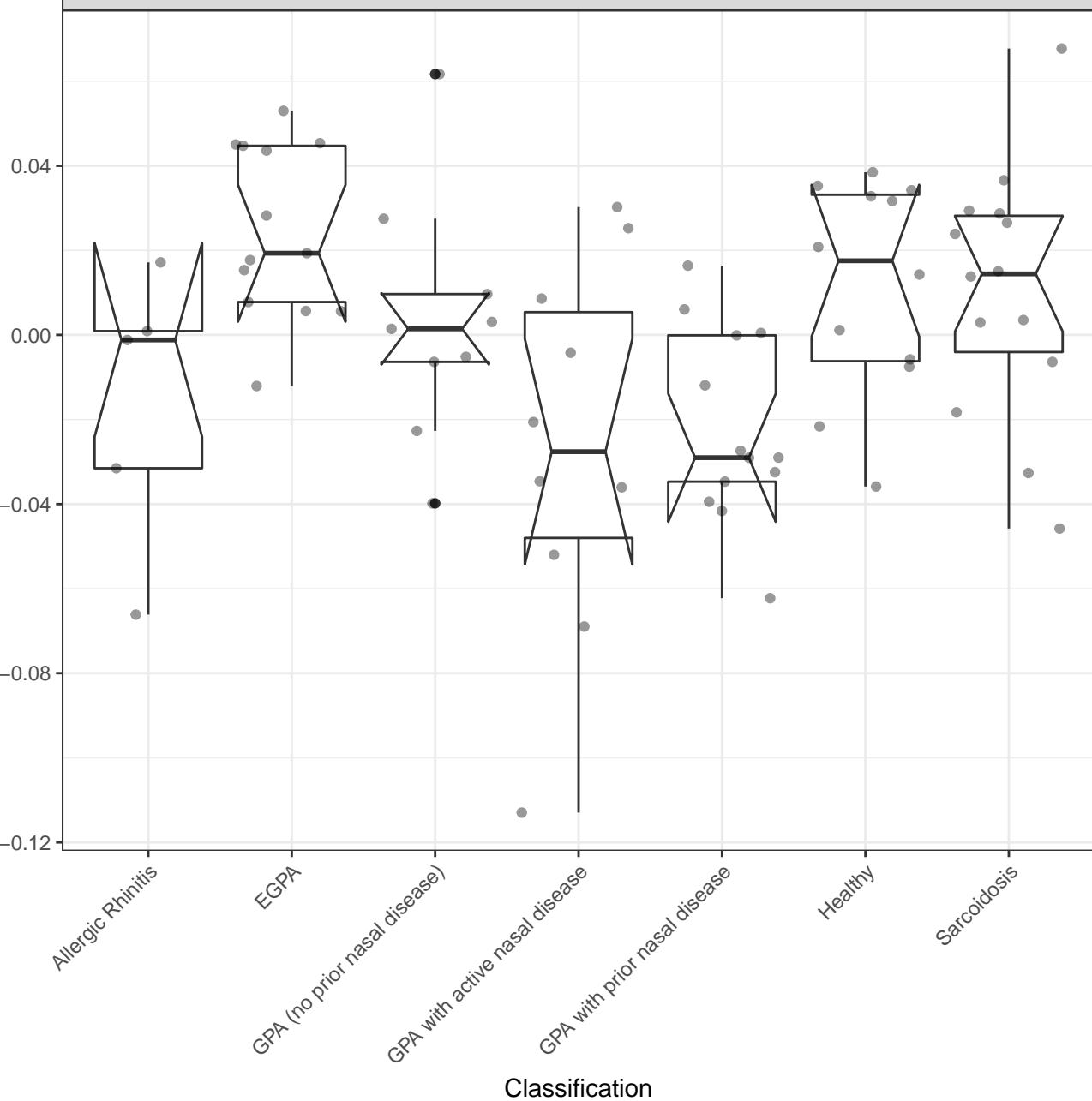
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



171,KEGG_FATTY_ACID_METABOLISM

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

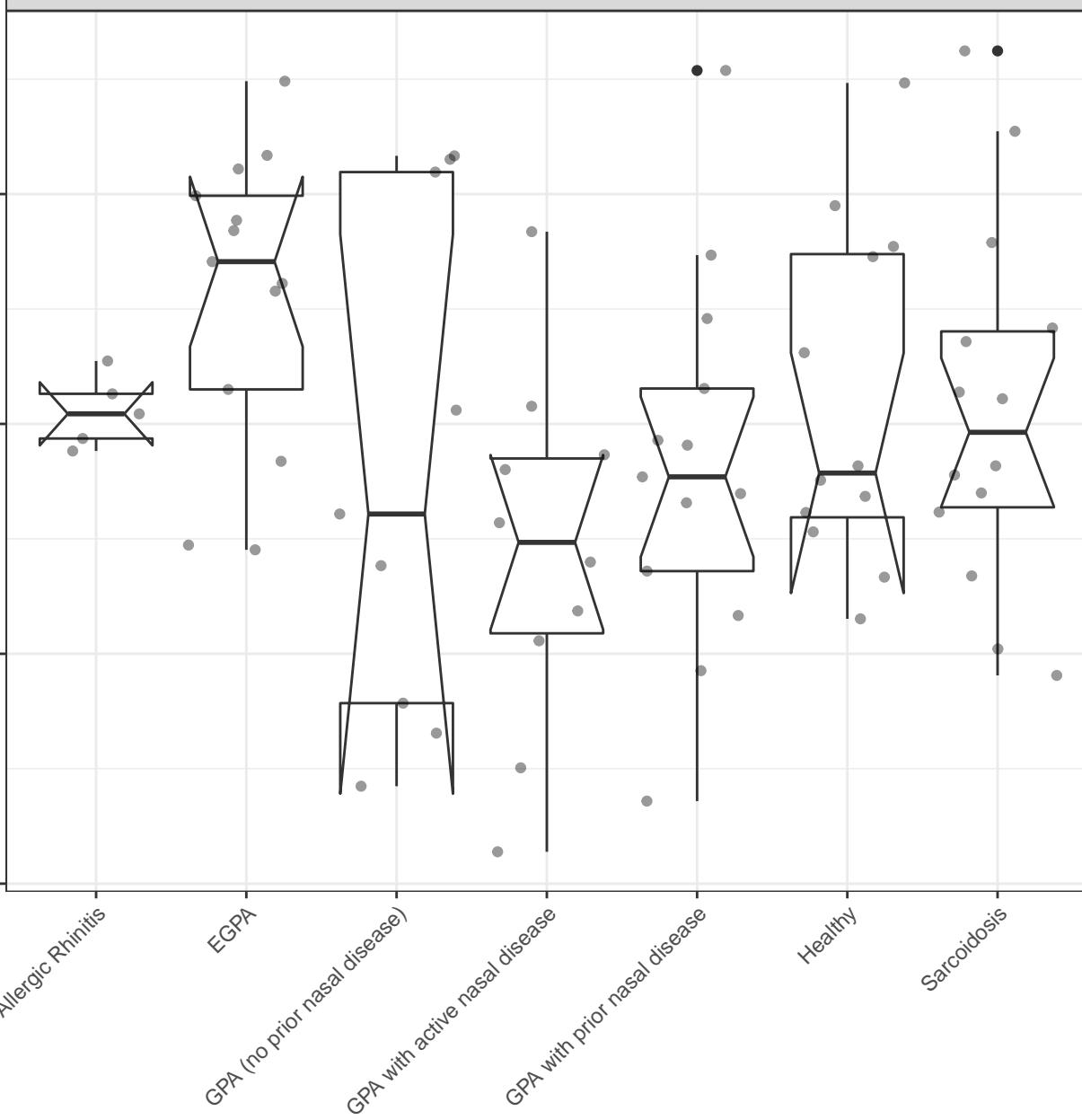
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

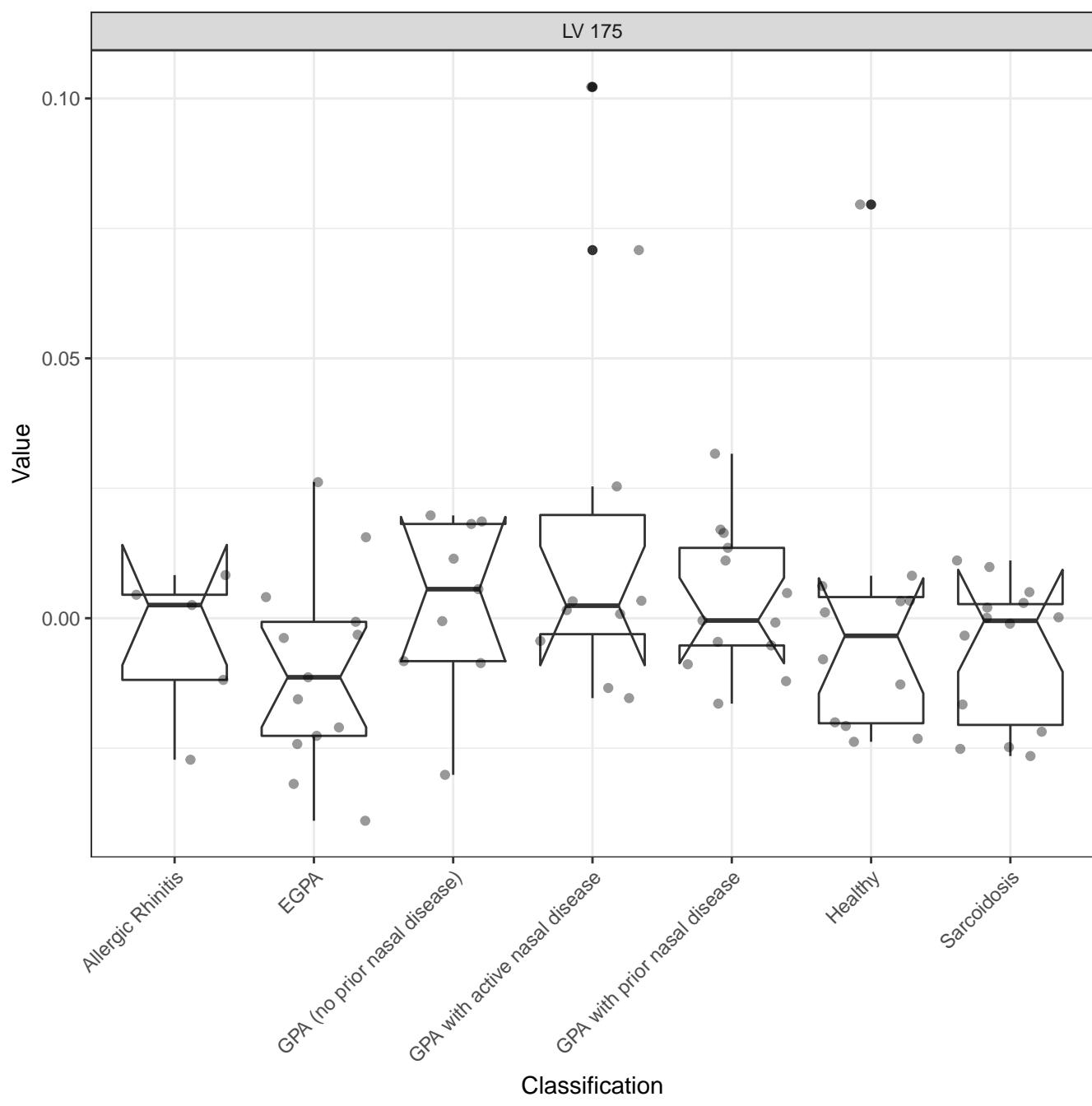
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



176,KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA

with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 180

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

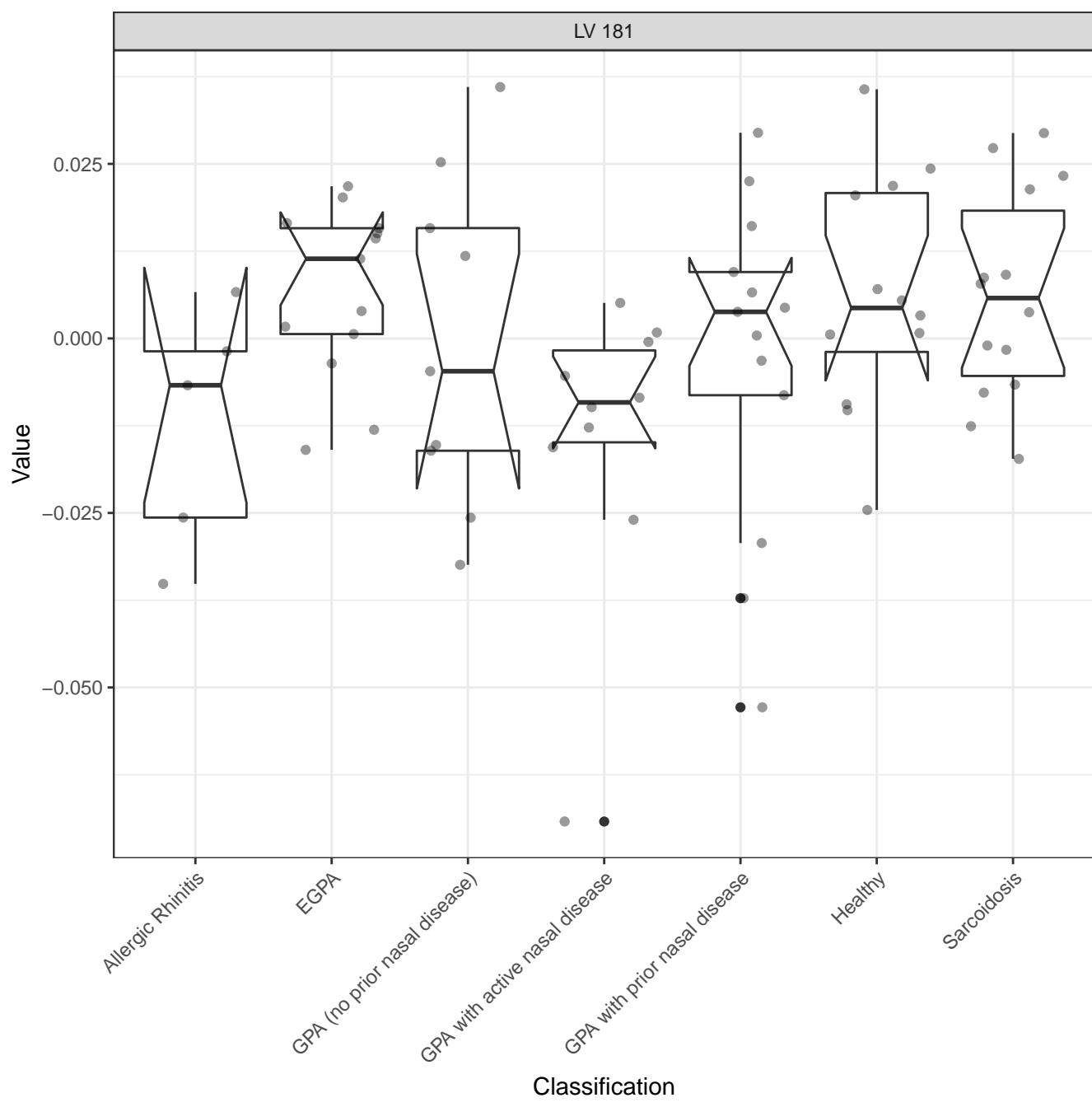
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.03

0.00

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

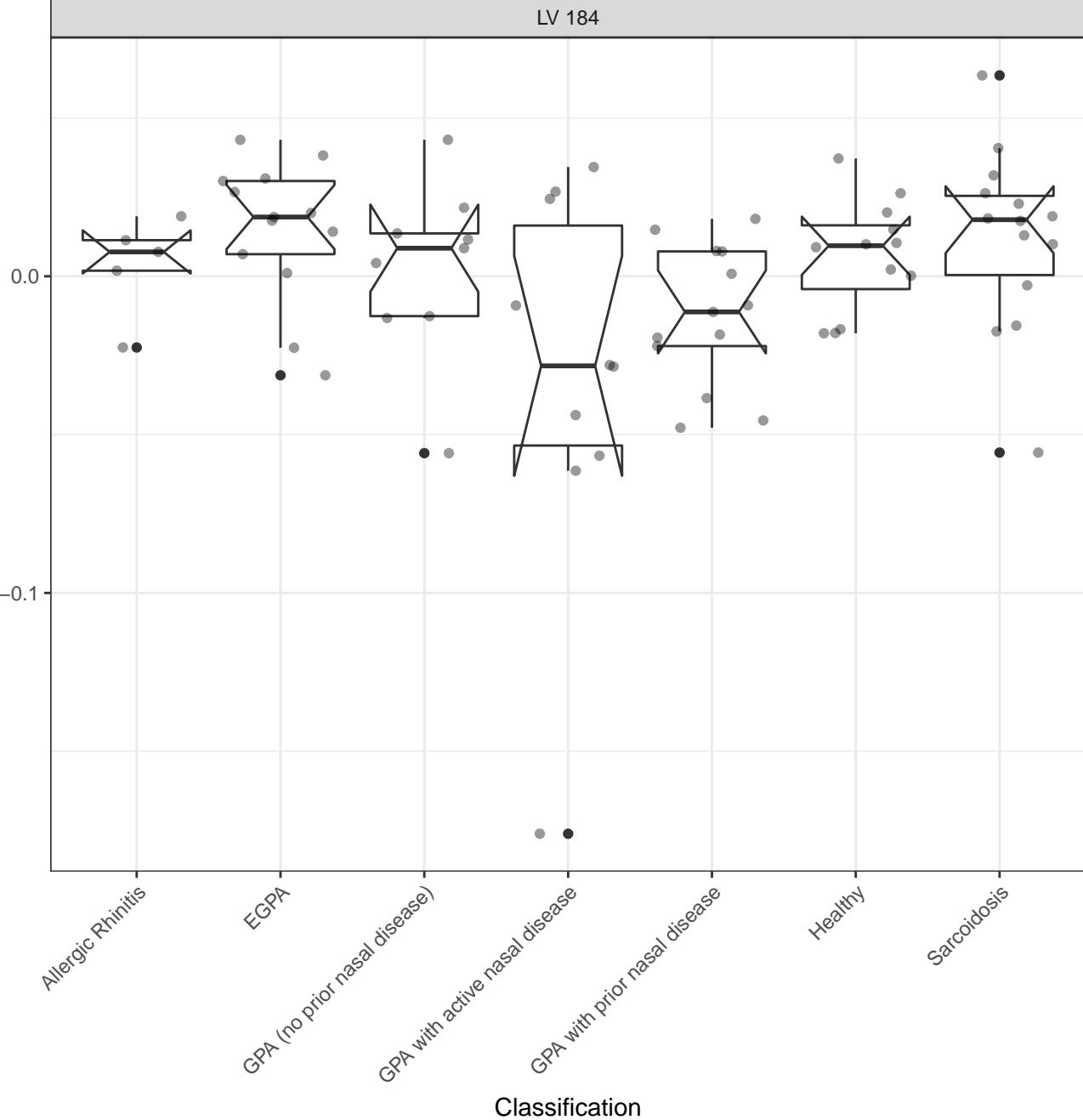
GPA with prior nasal disease

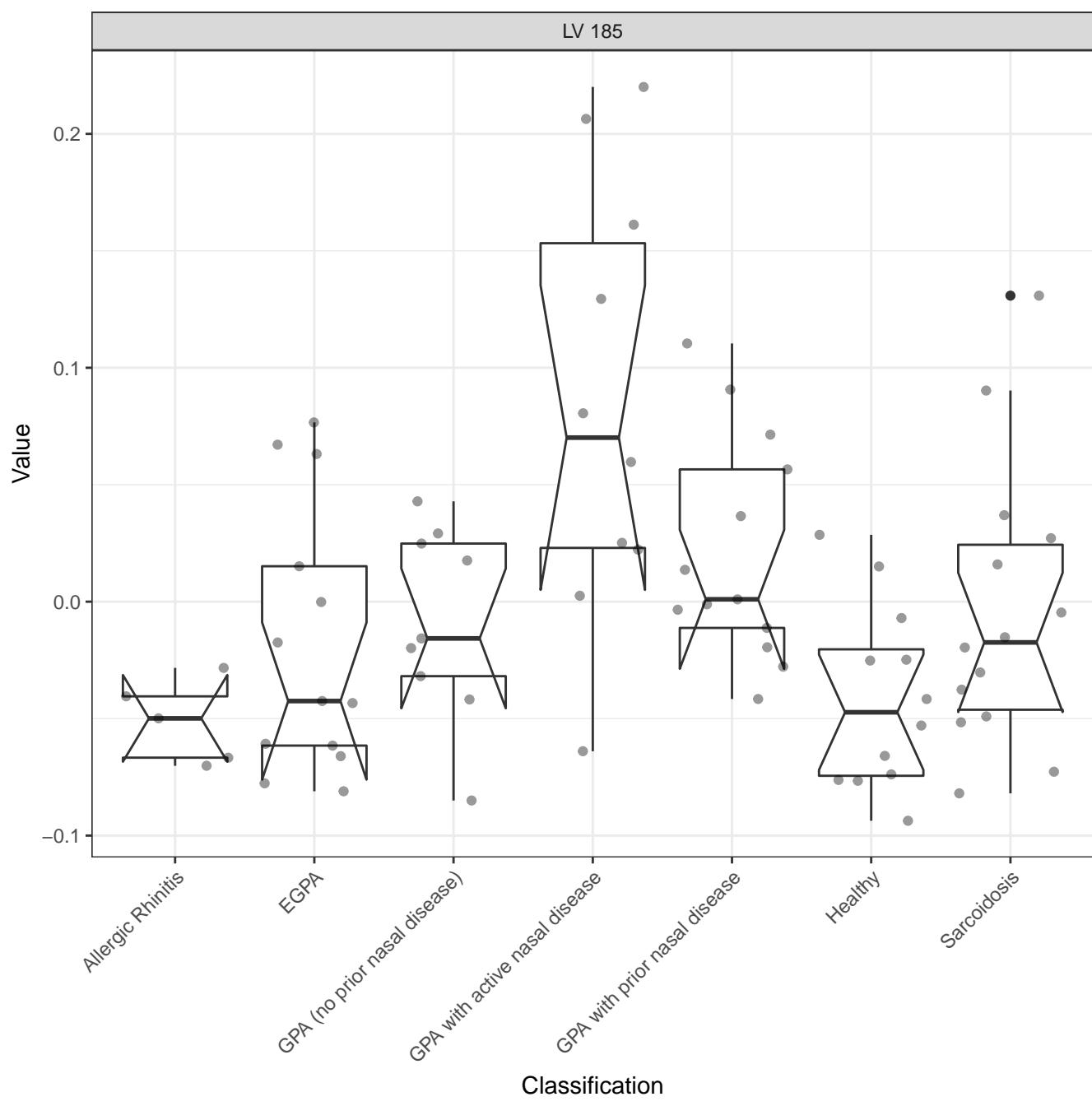
Healthy

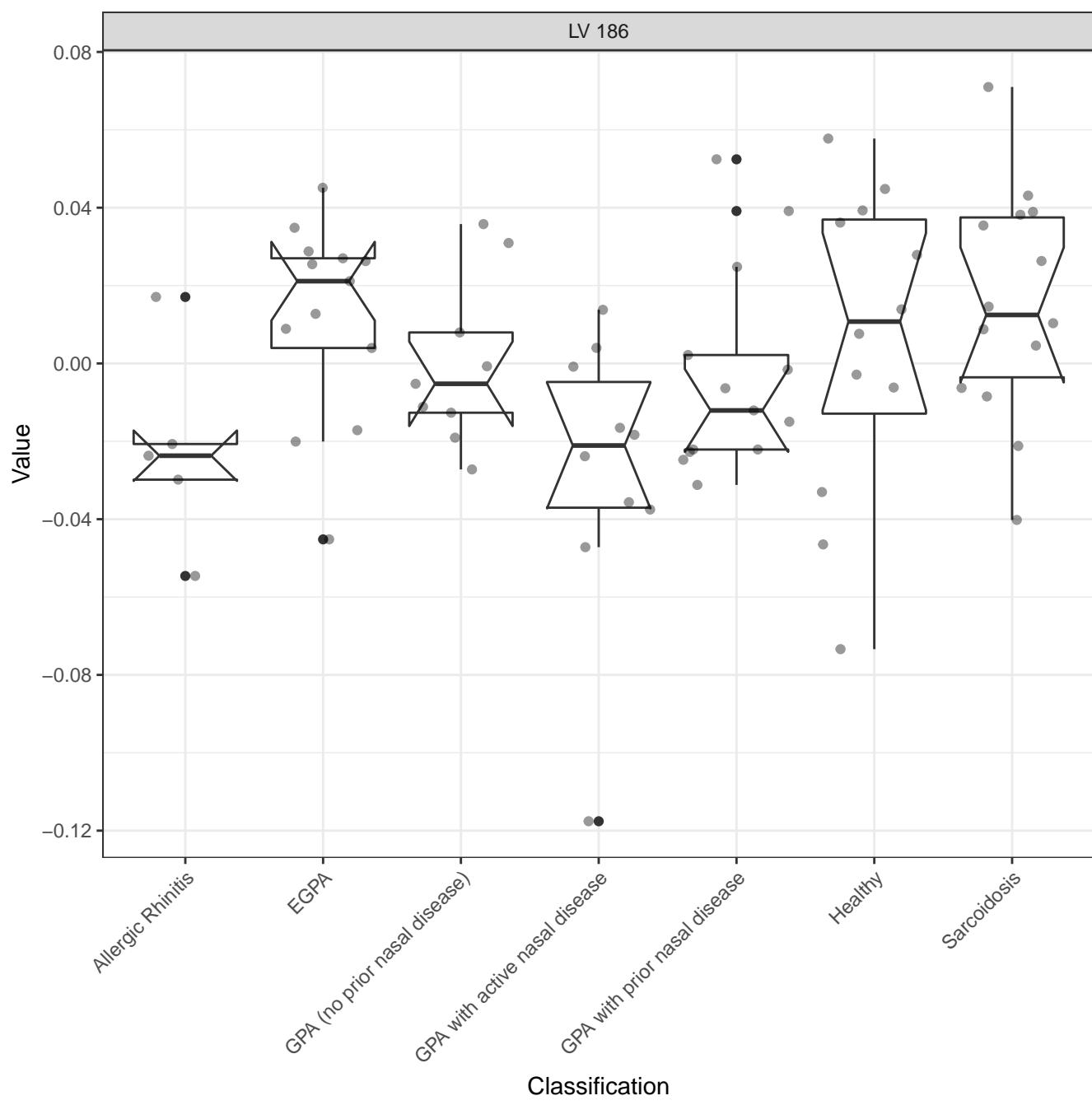
Sarcoidosis

Classification

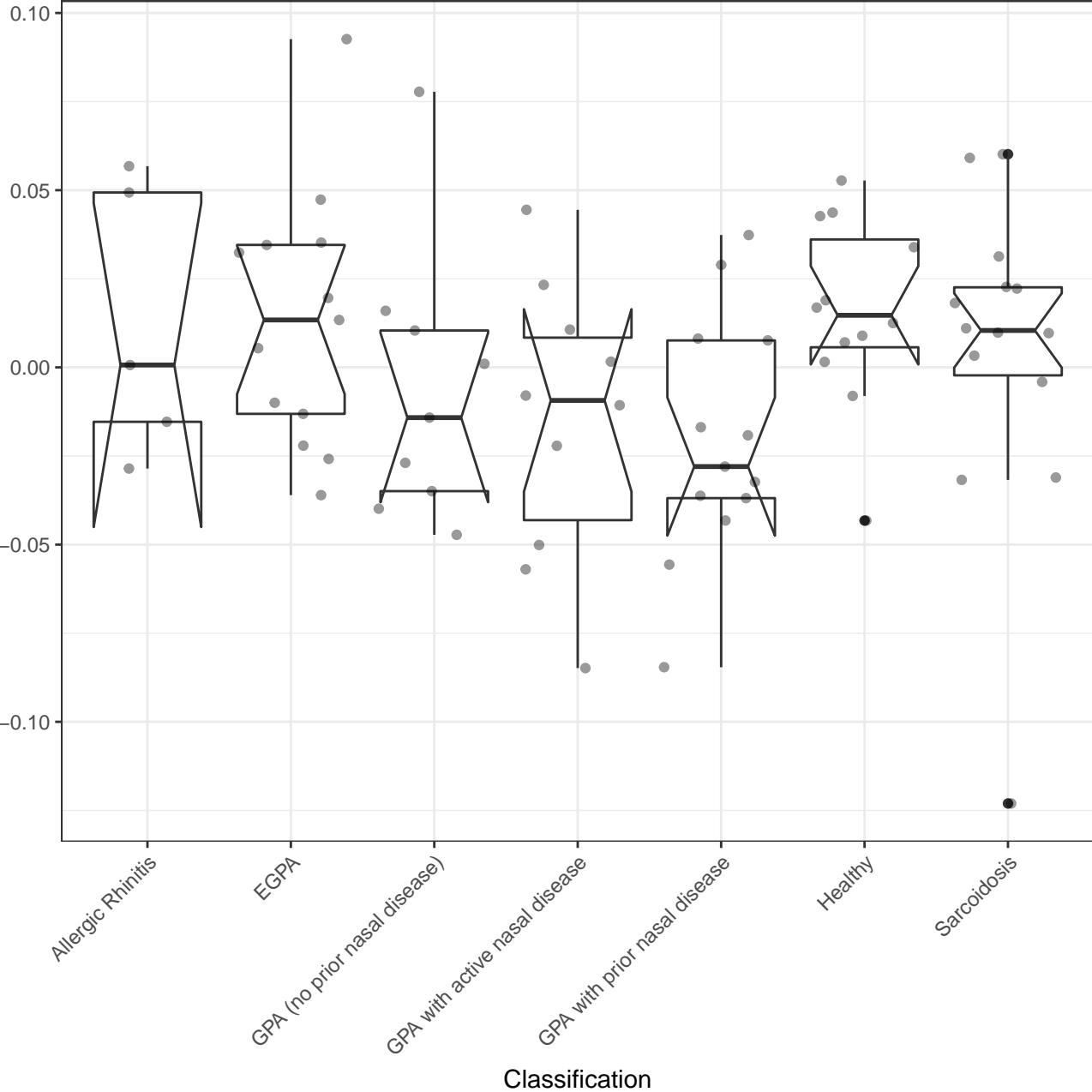
Value



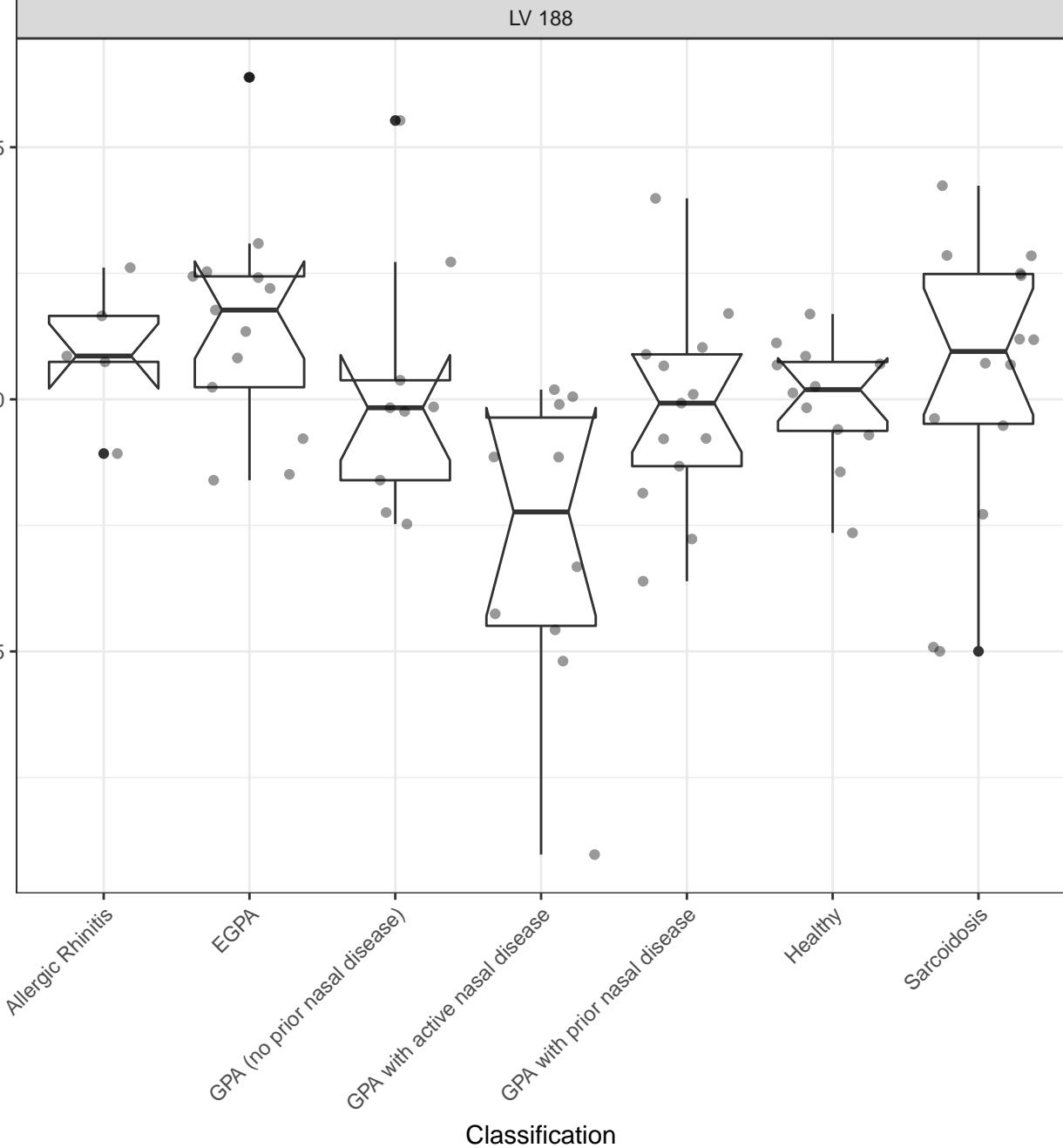




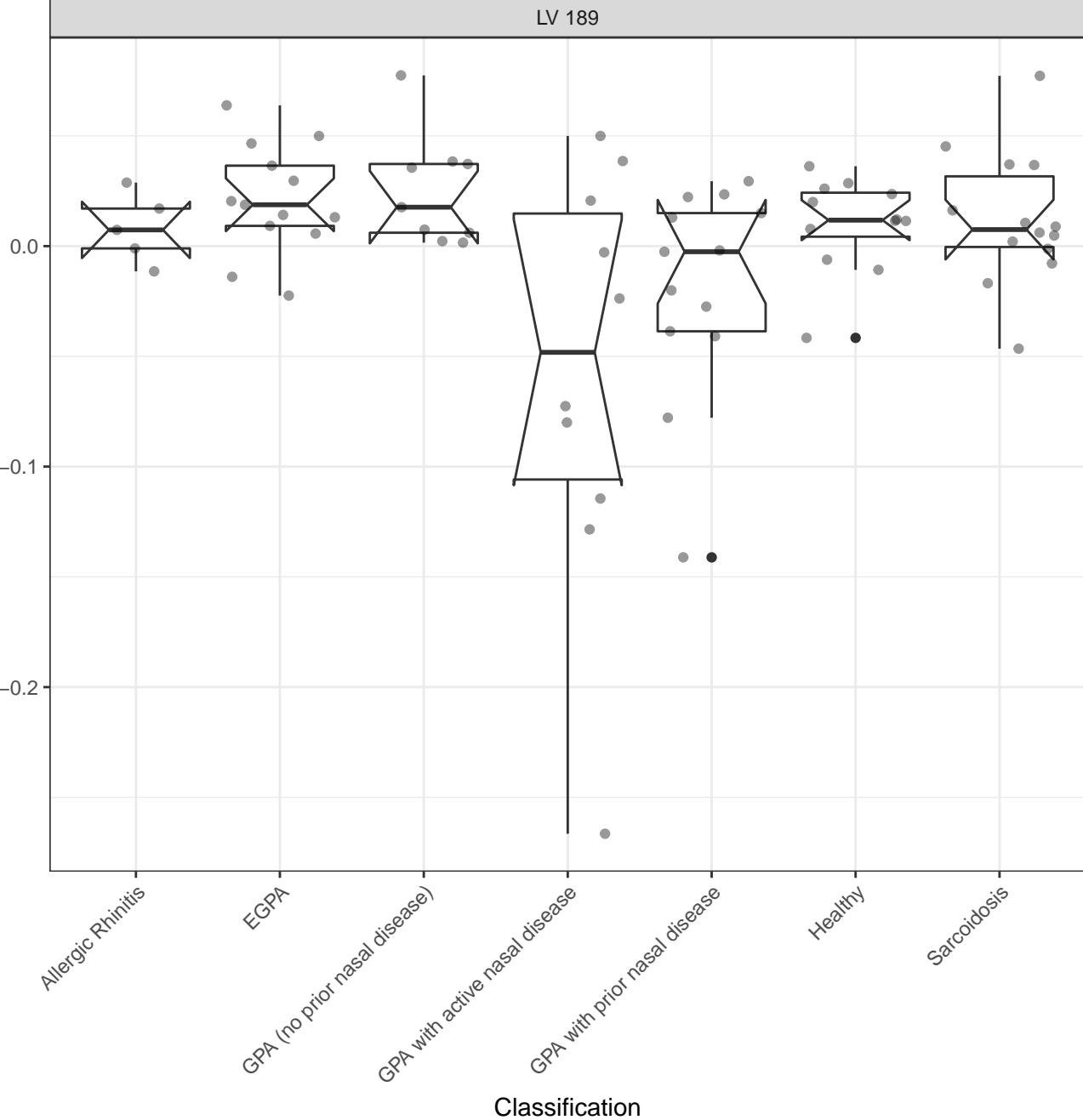
Value



Value



Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

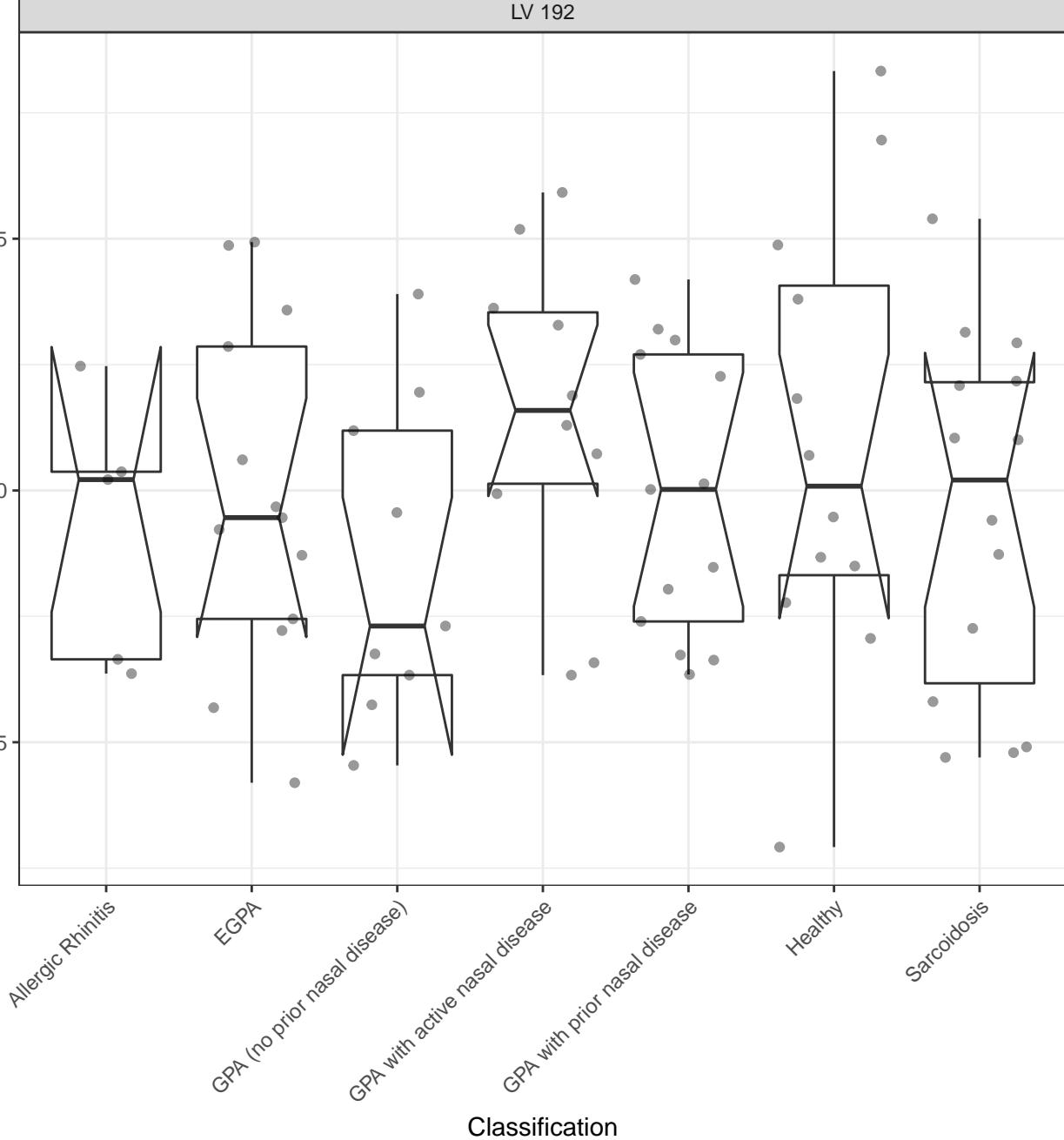
GPA with prior nasal disease

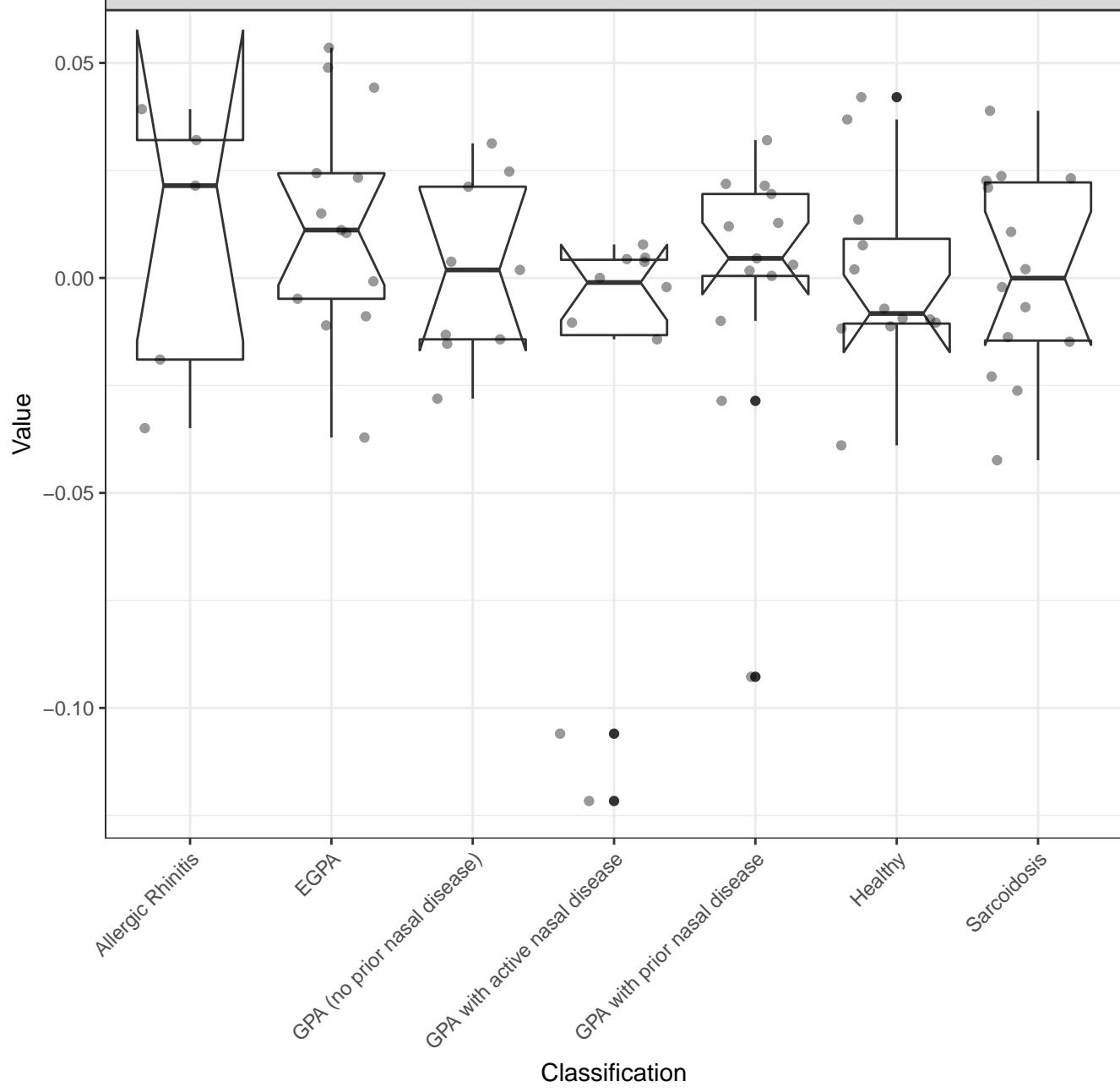
Healthy

Sarcoidosis

Classification

Value





Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.15

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

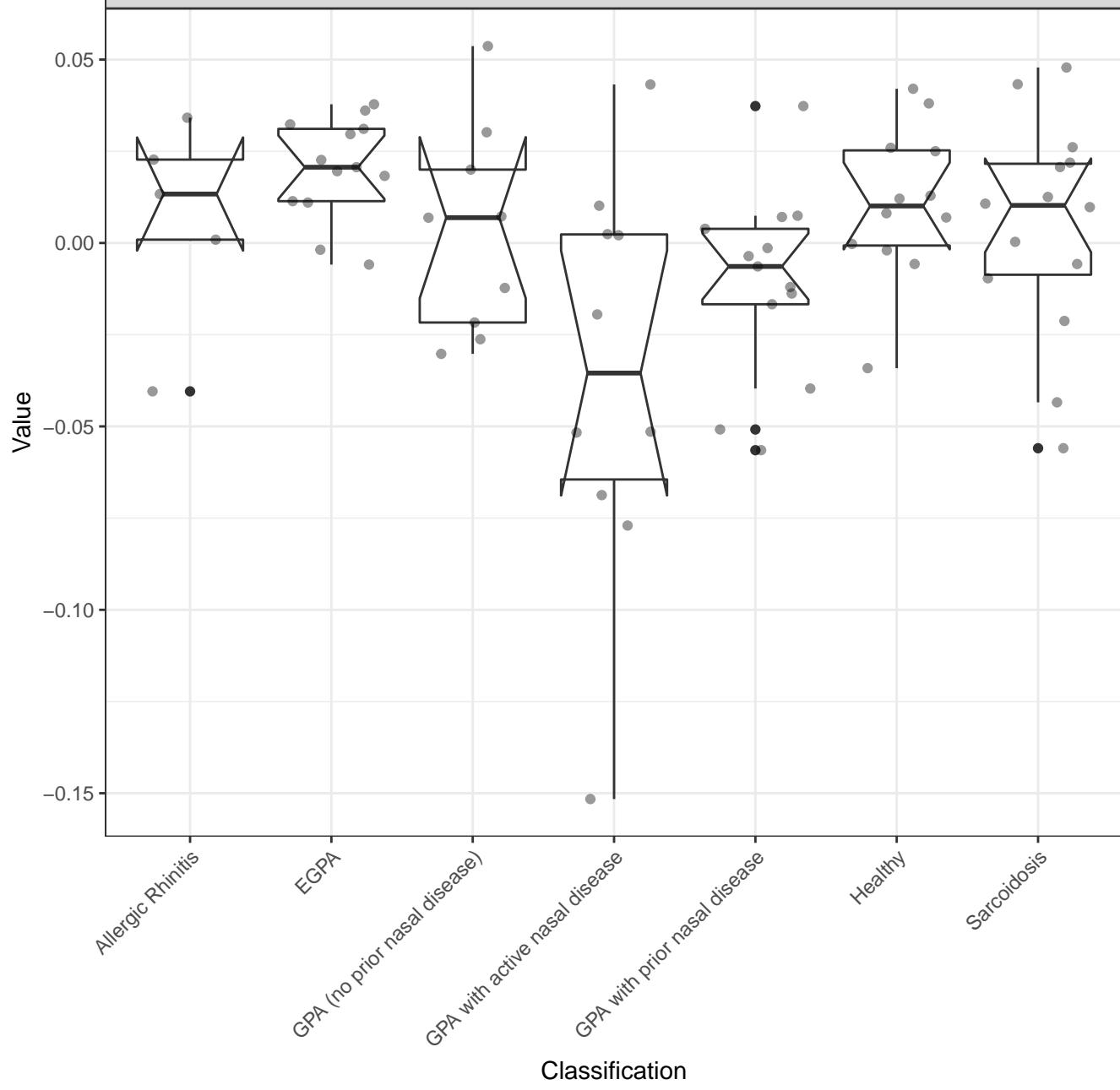
GPA with prior nasal disease

Healthy

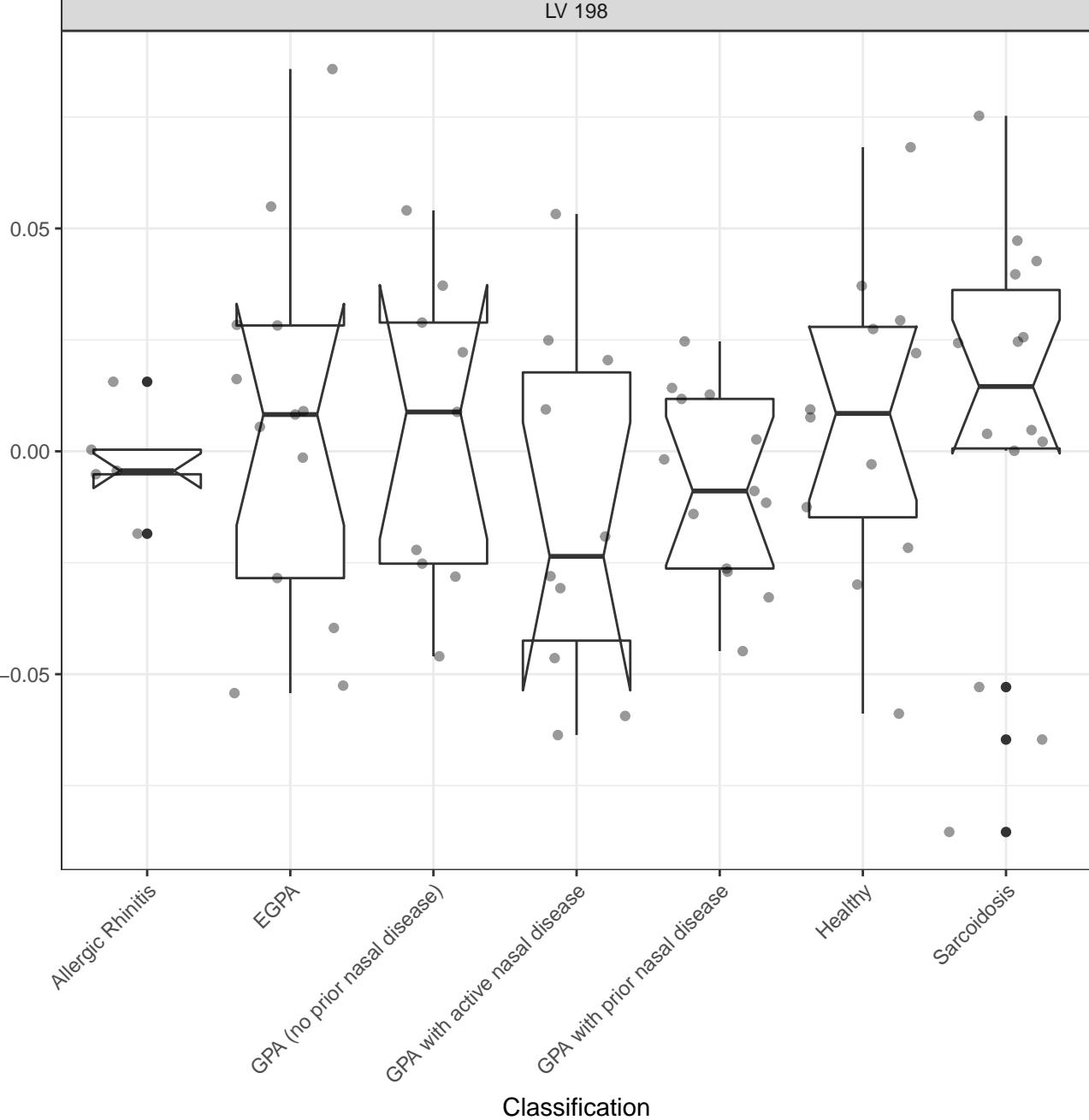
Sarcoidosis

Classification

197,KEGG_ERBB_SIGNALING_PATHWAY



Value



Value

0.04

0.02

0.00

-0.02

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

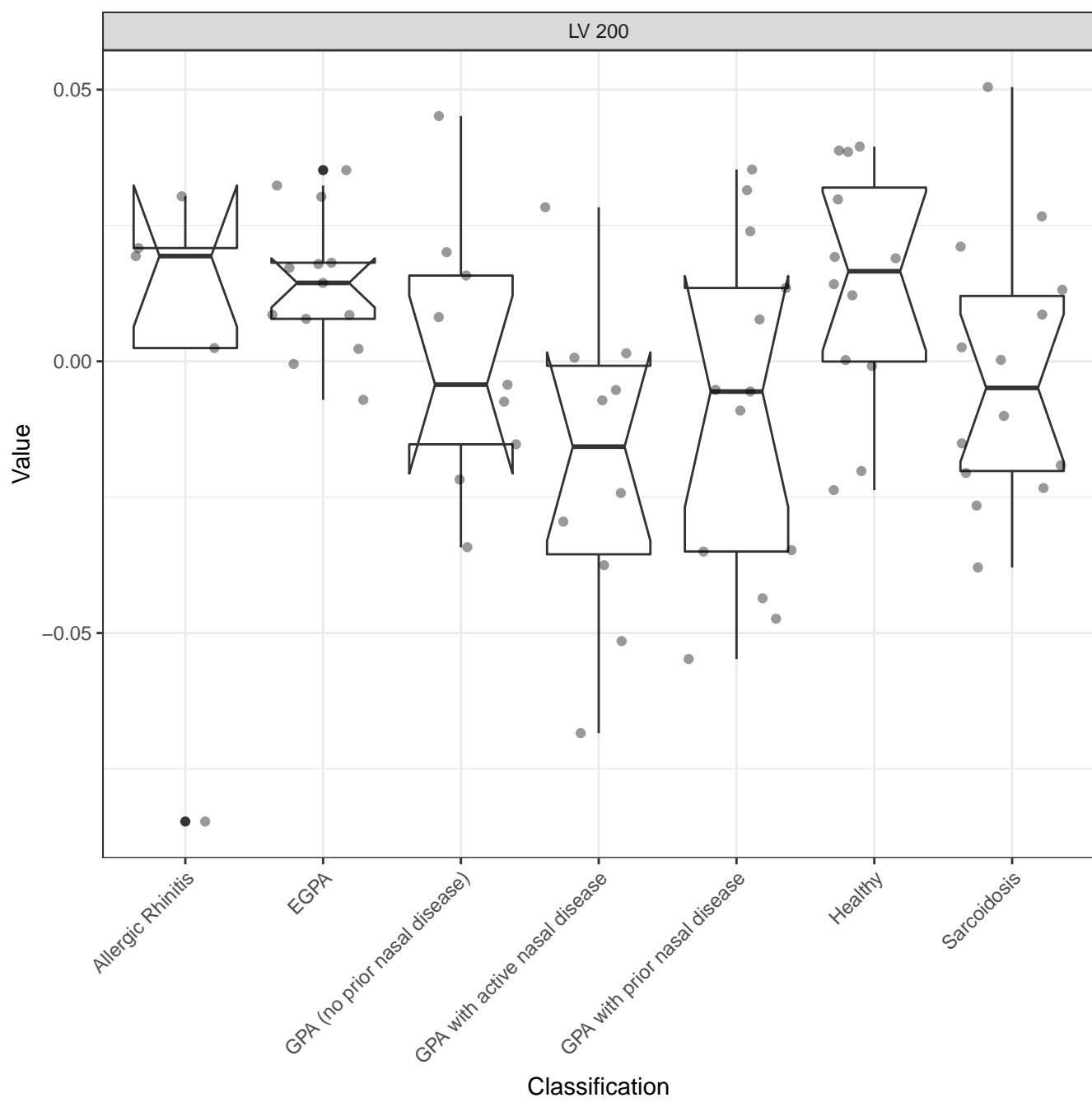
GPA with active nasal disease

GPA with prior nasal disease

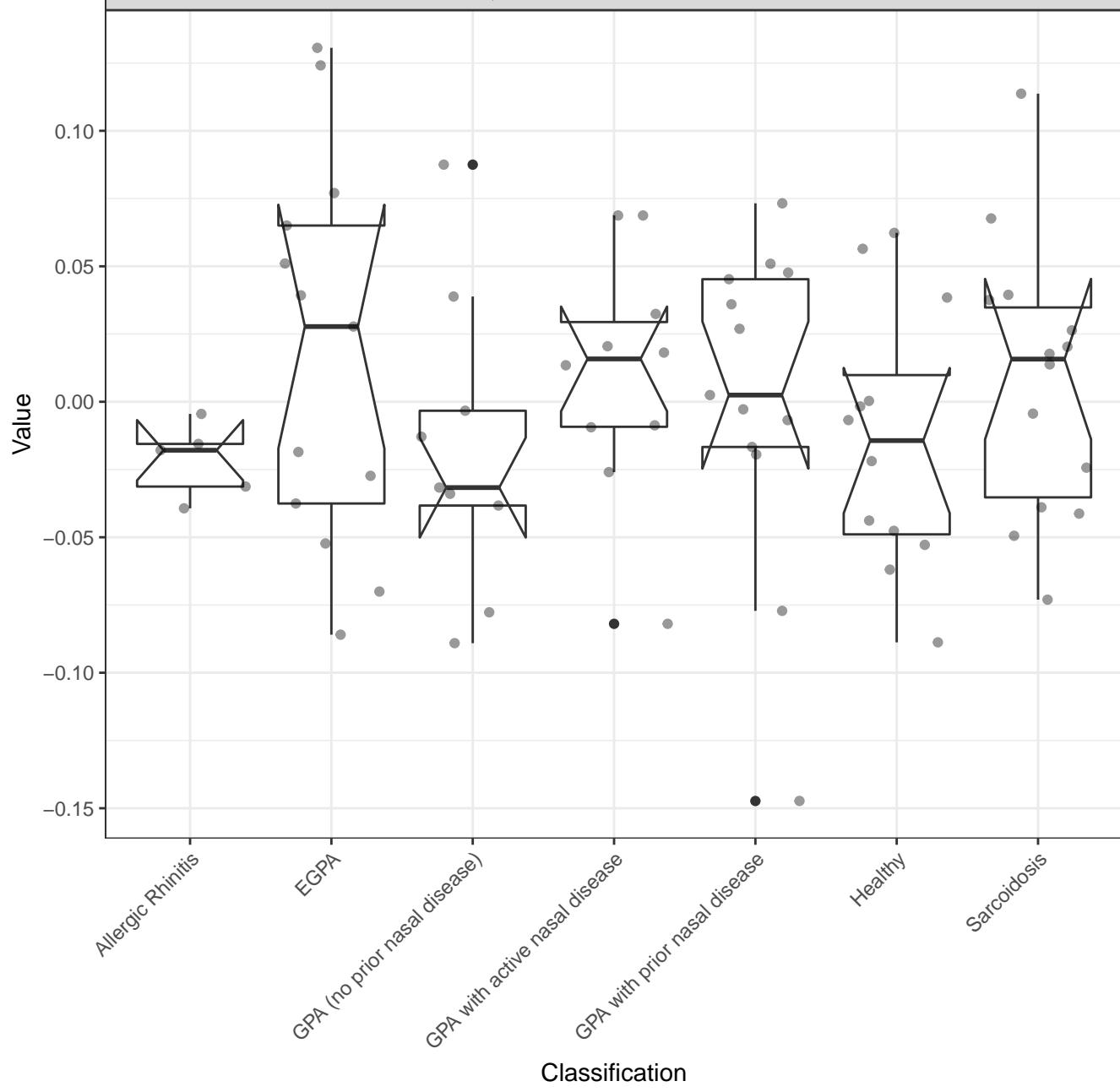
Healthy

Sarcoidosis

Classification



201,MIPS_MEDIATOR_COMPLEX



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

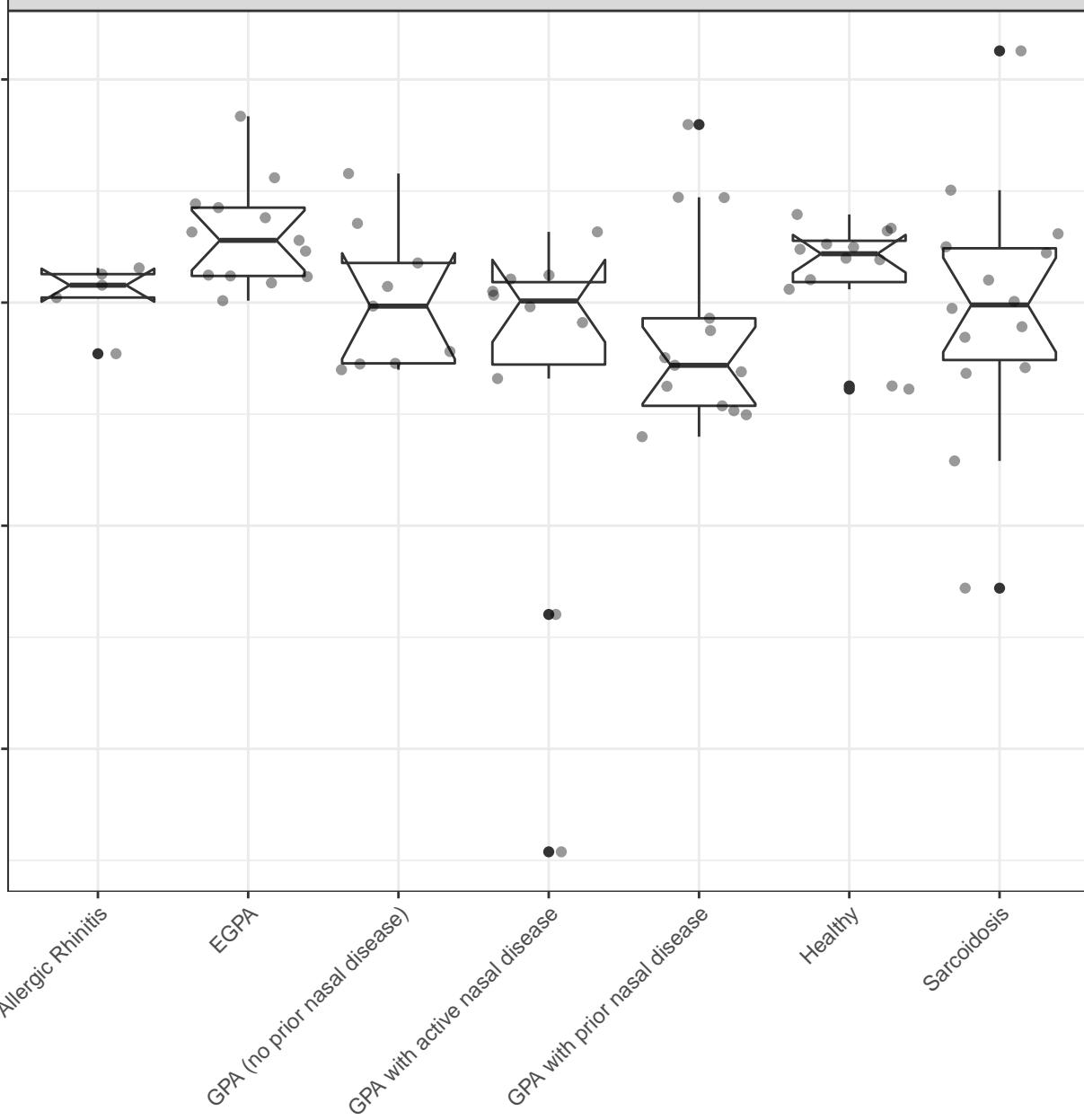
GPA with active nasal disease

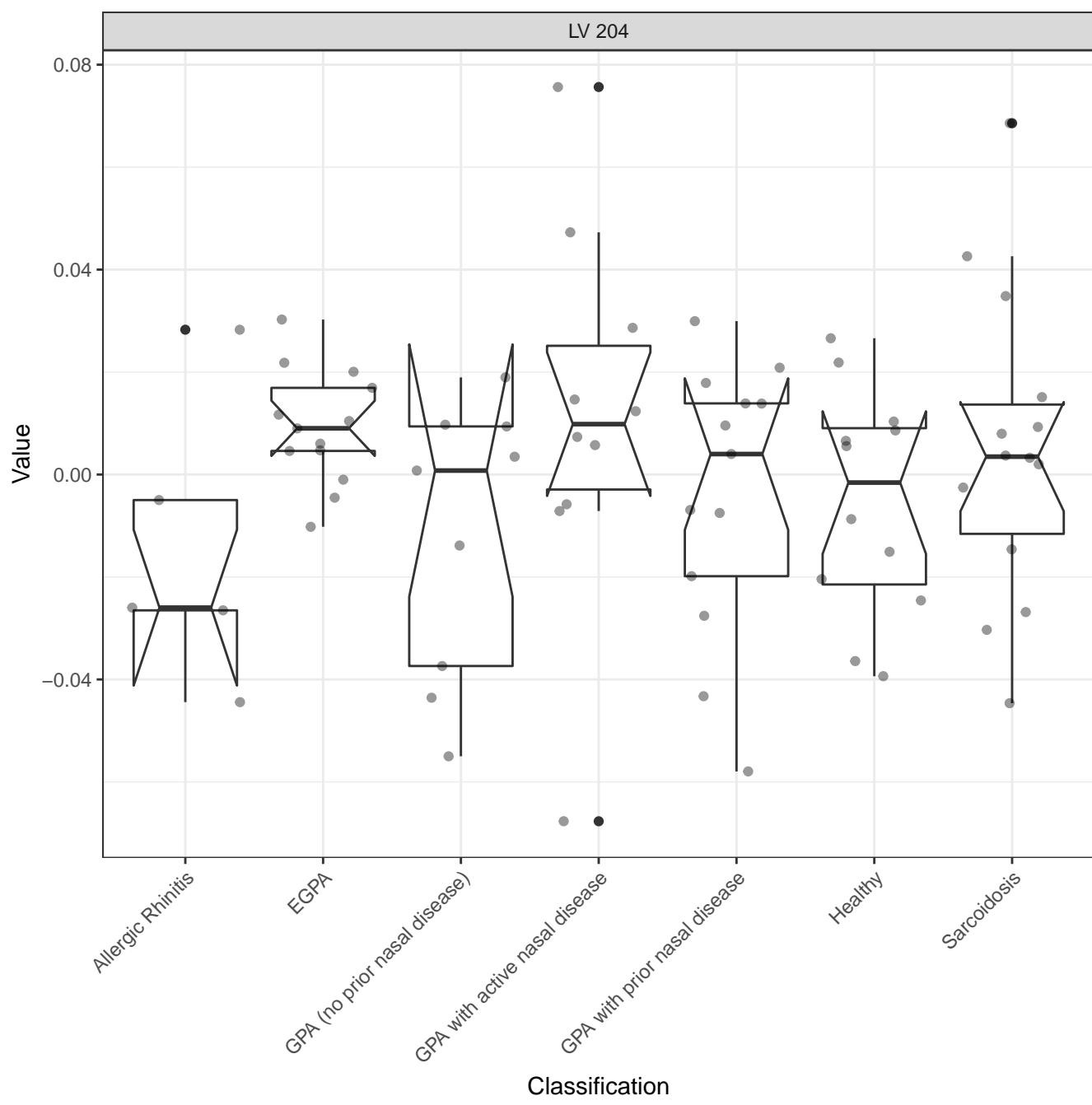
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

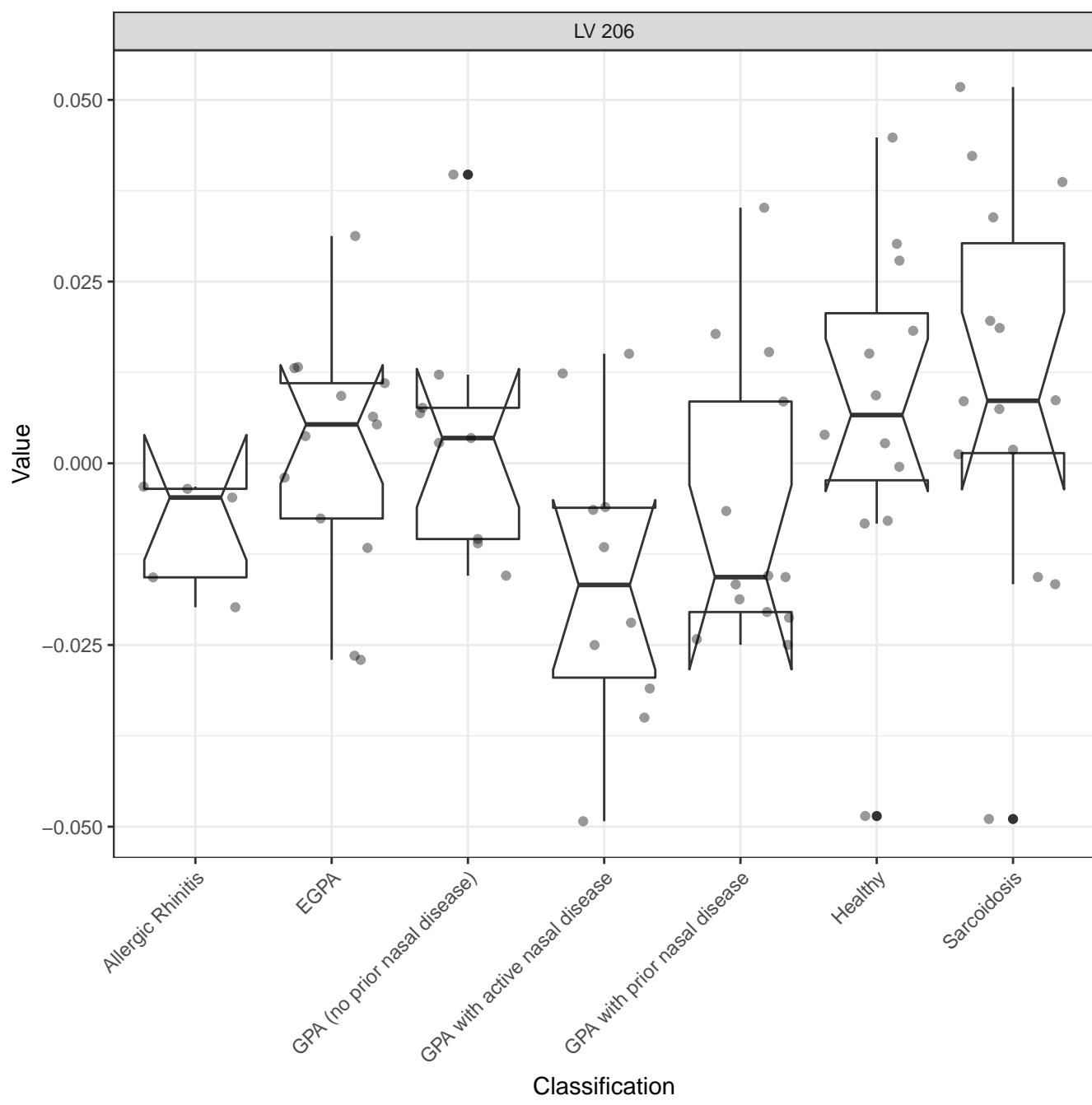
GPA with active nasal disease

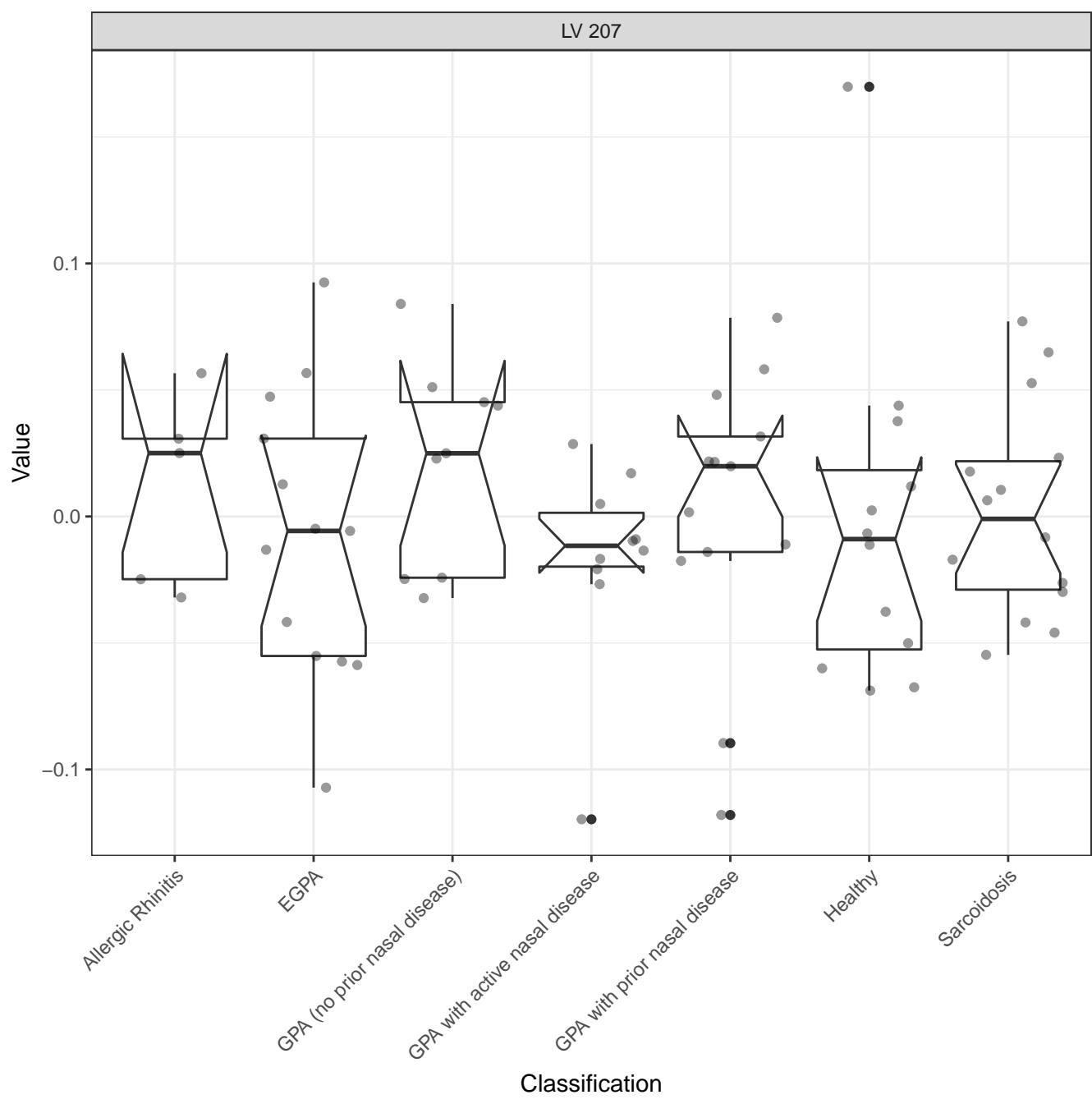
GPA with prior nasal disease

Healthy

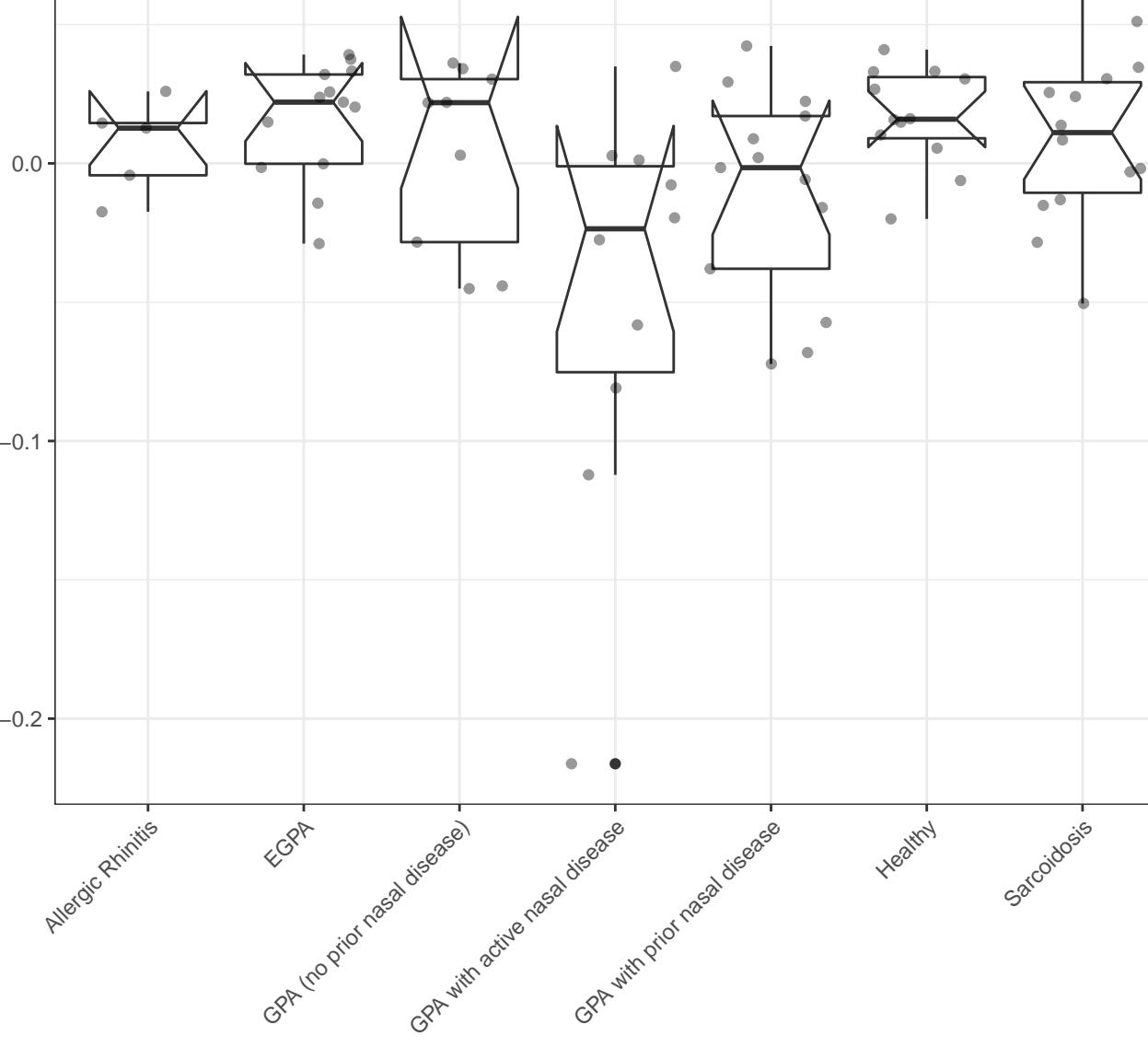
Sarcoidosis

Classification

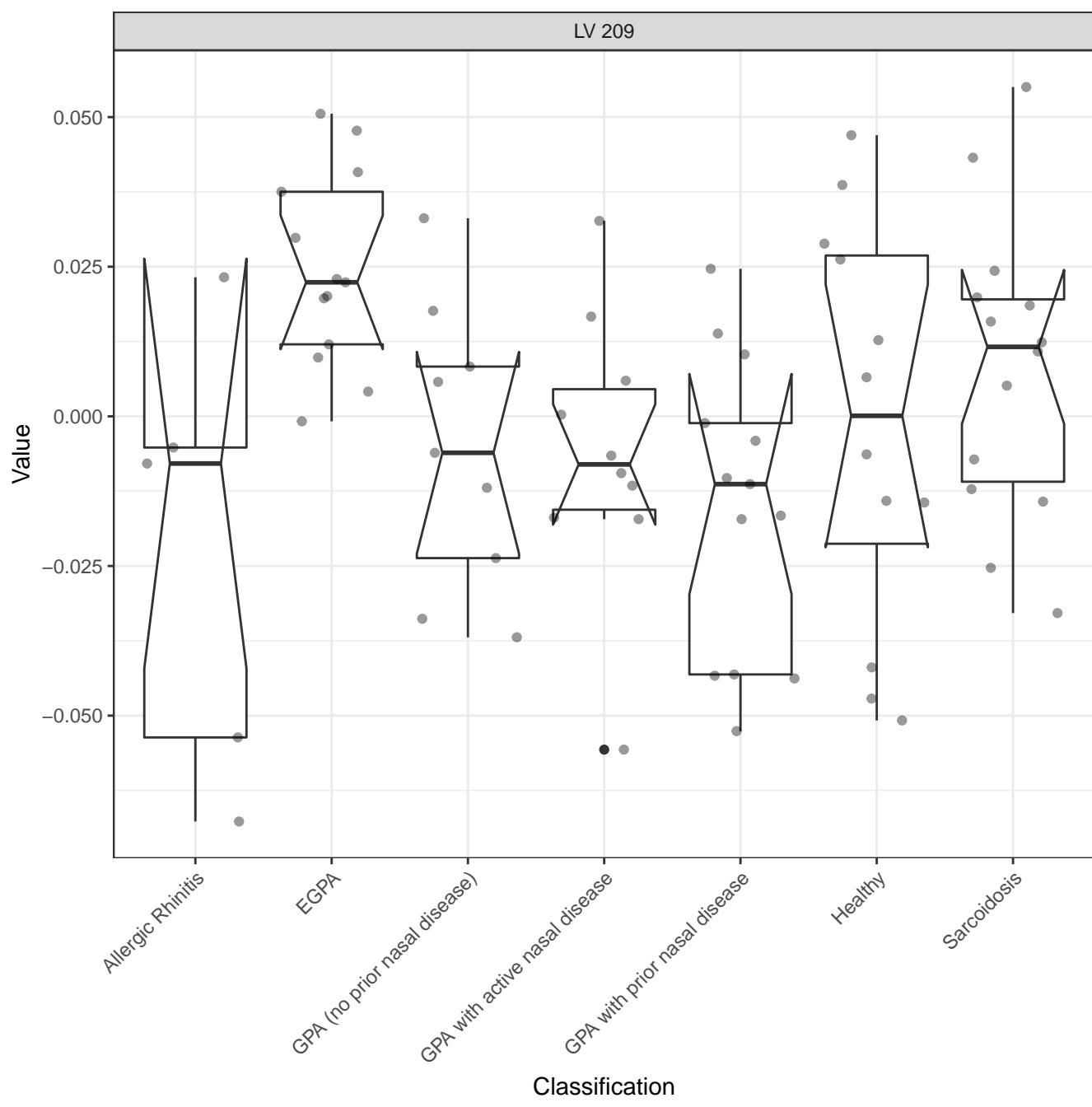




Value



LV 209



Value

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

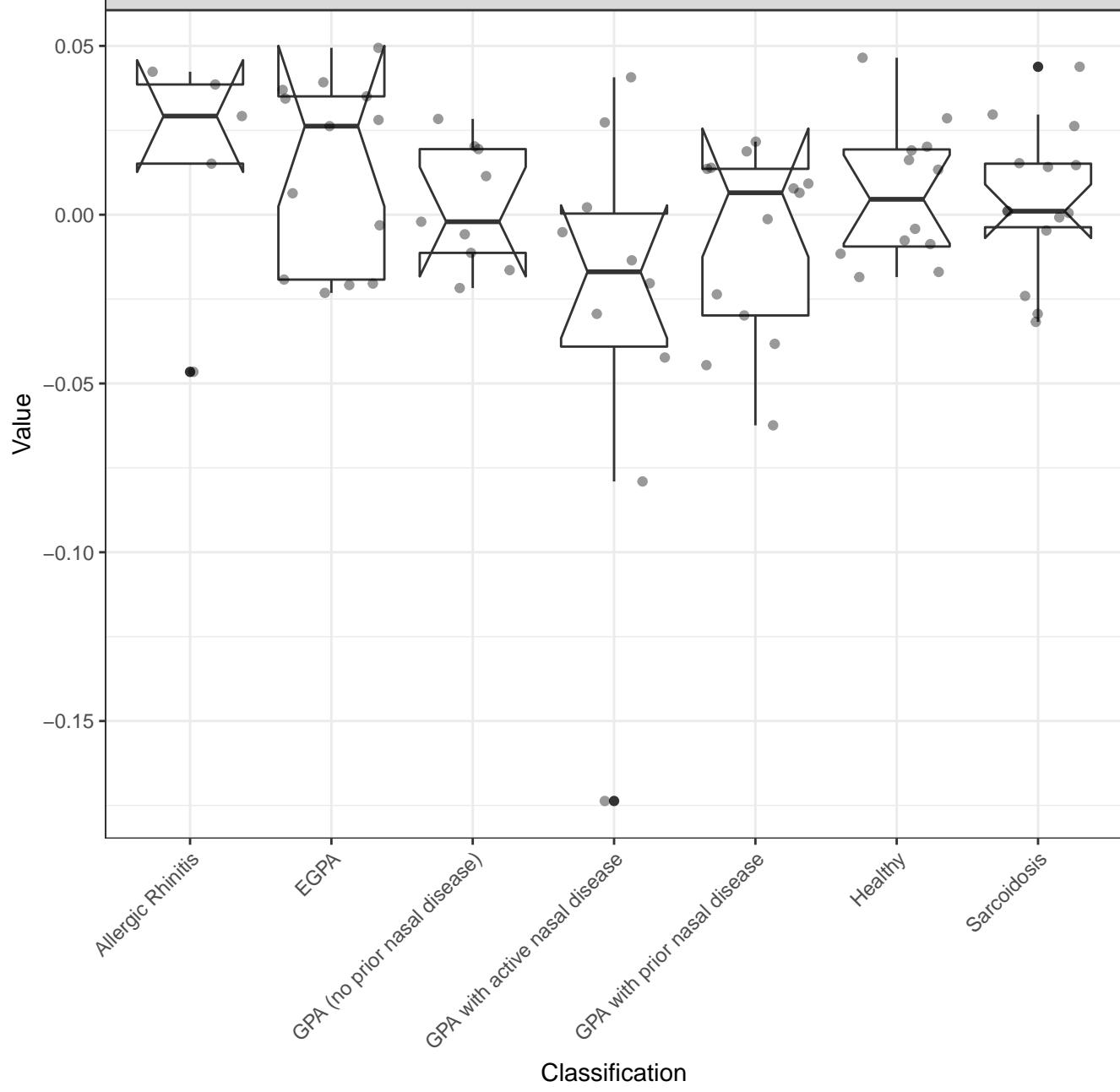
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.01

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

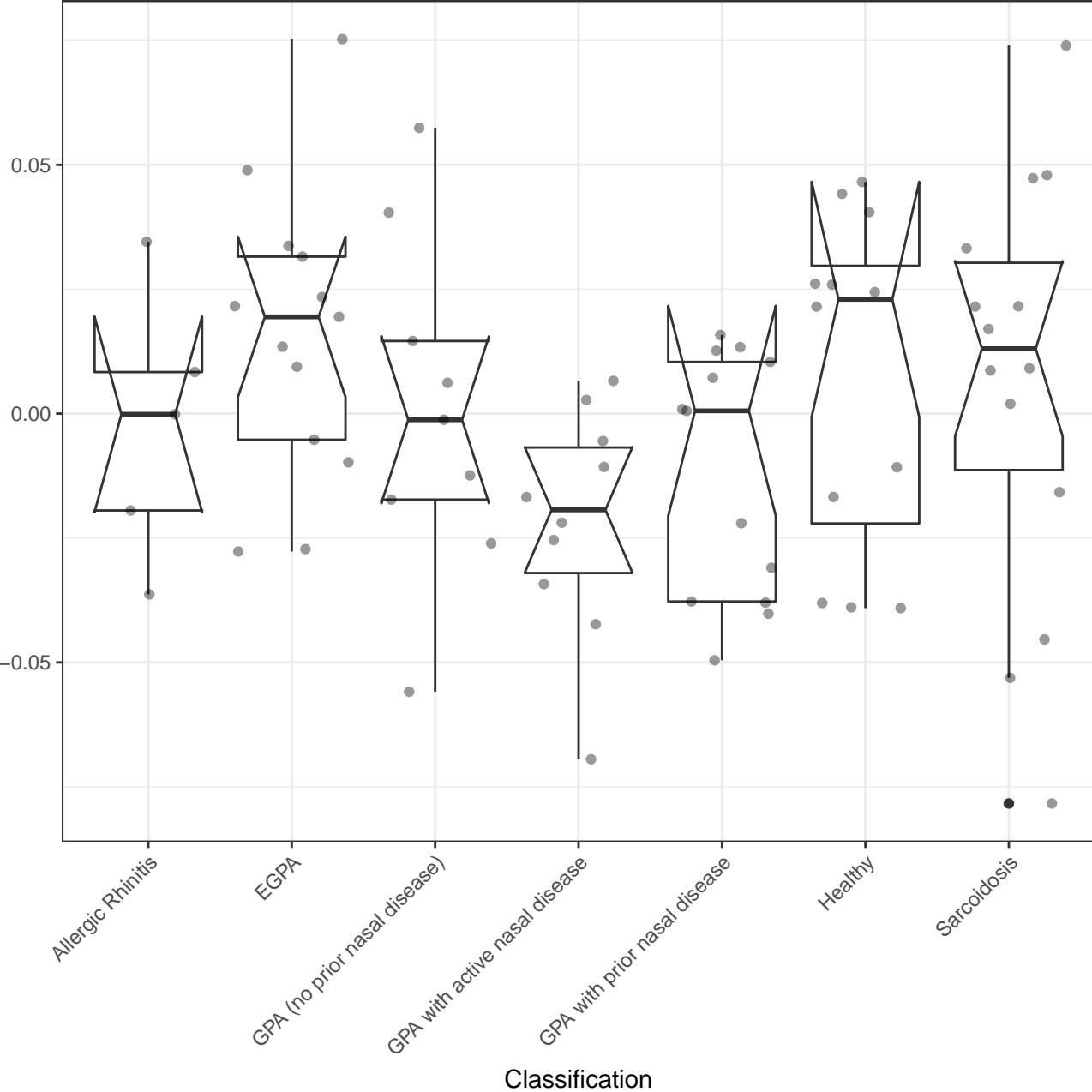
GPA with prior nasal disease

Healthy

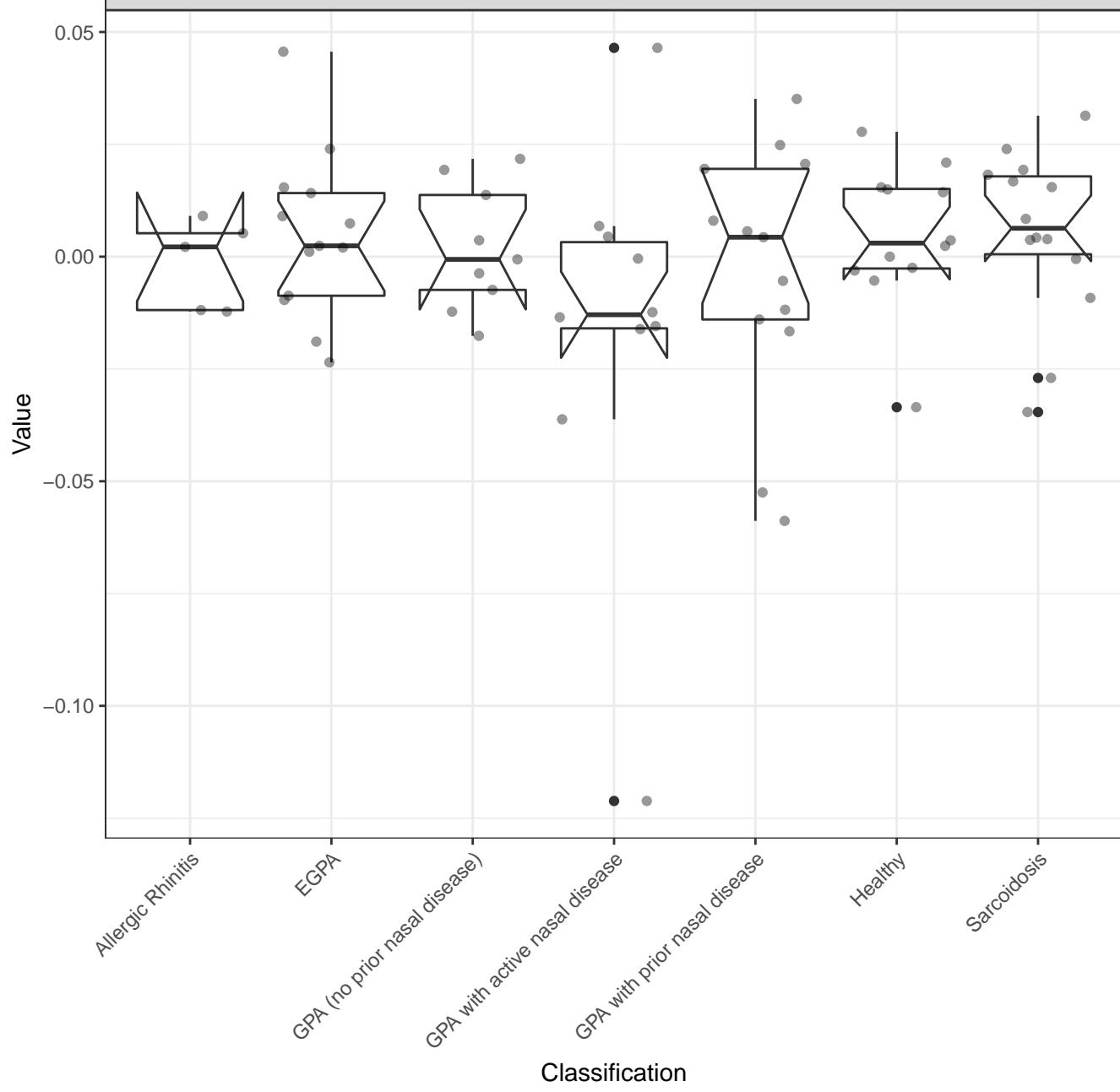
Sarcoidosis

Classification

Value



LV 219



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

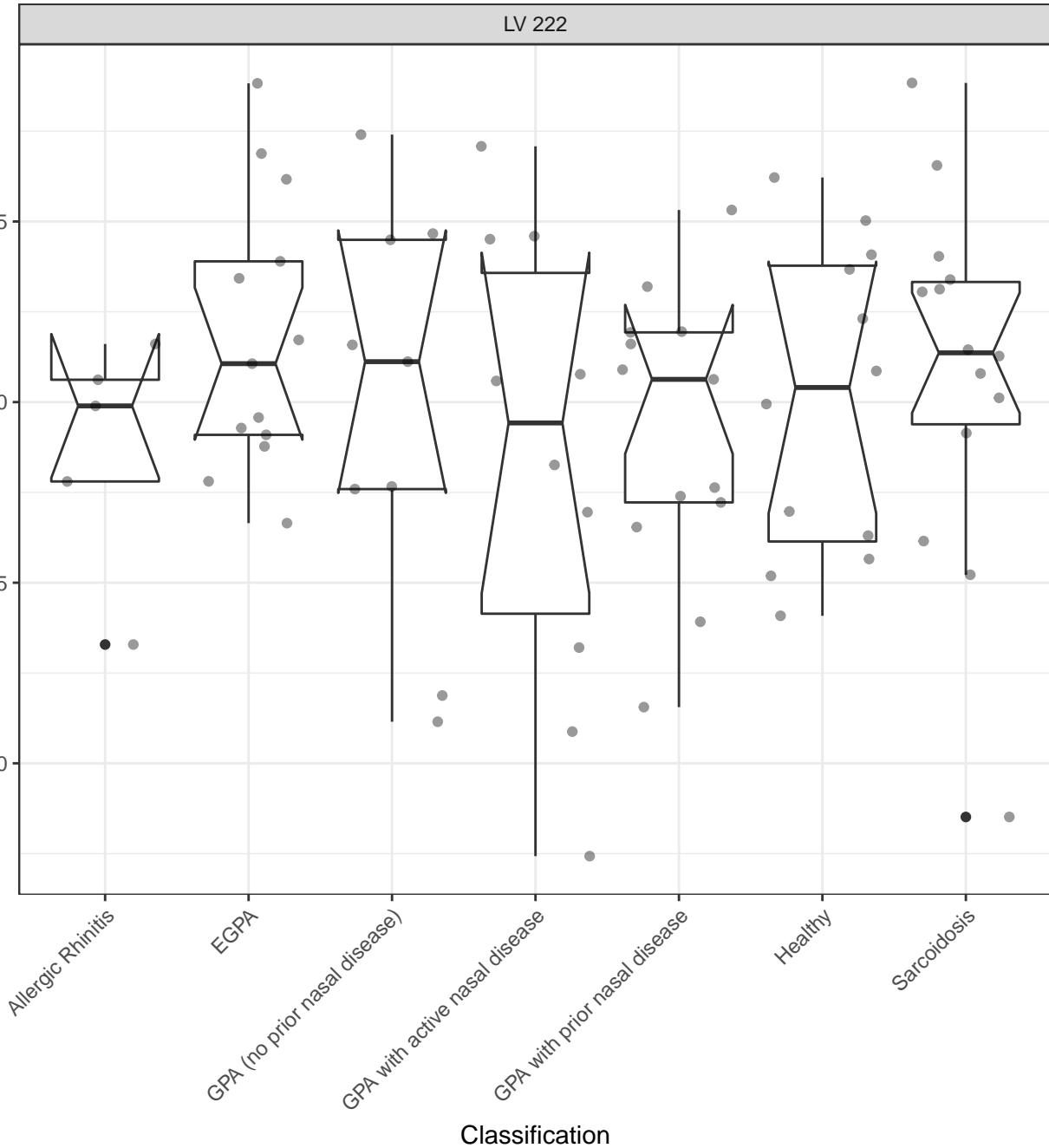
GPA with prior nasal disease

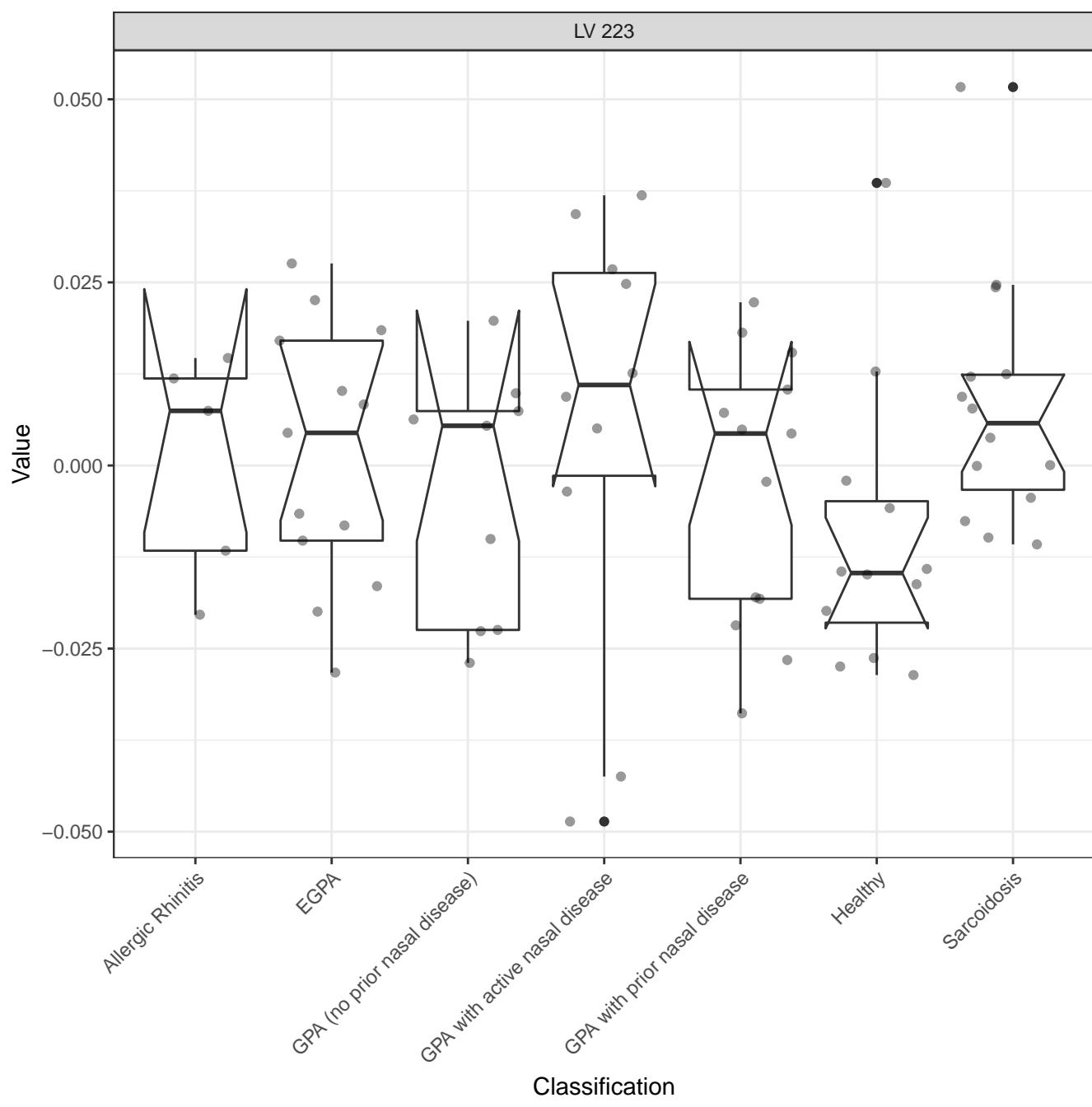
Healthy

Sarcoidosis

Classification

Value





Value

0.02
0.00
-0.02
-0.04
-0.06

Allergic Rhinitis

EGPA

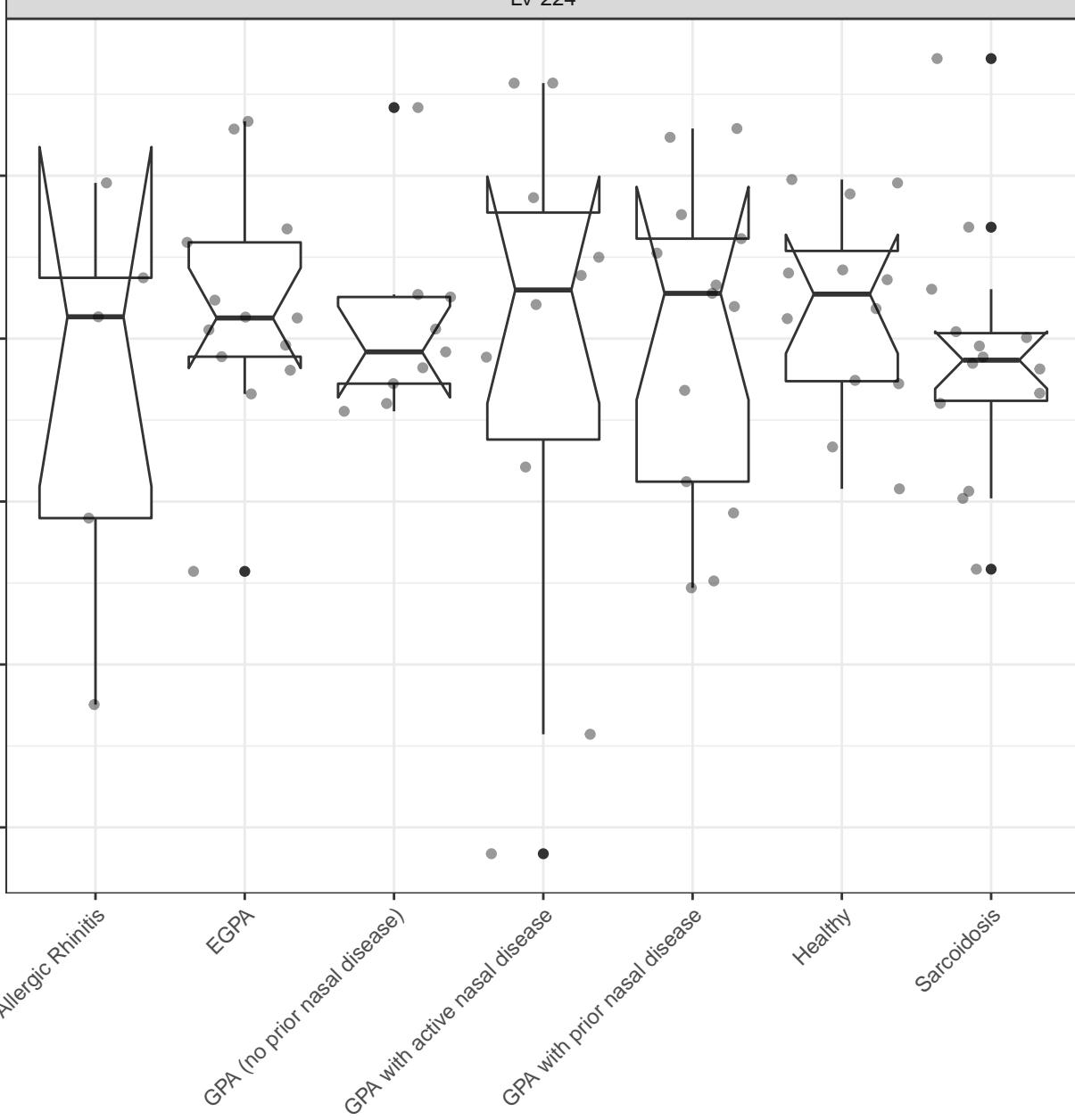
GPA (no prior nasal disease)

GPA with active nasal disease

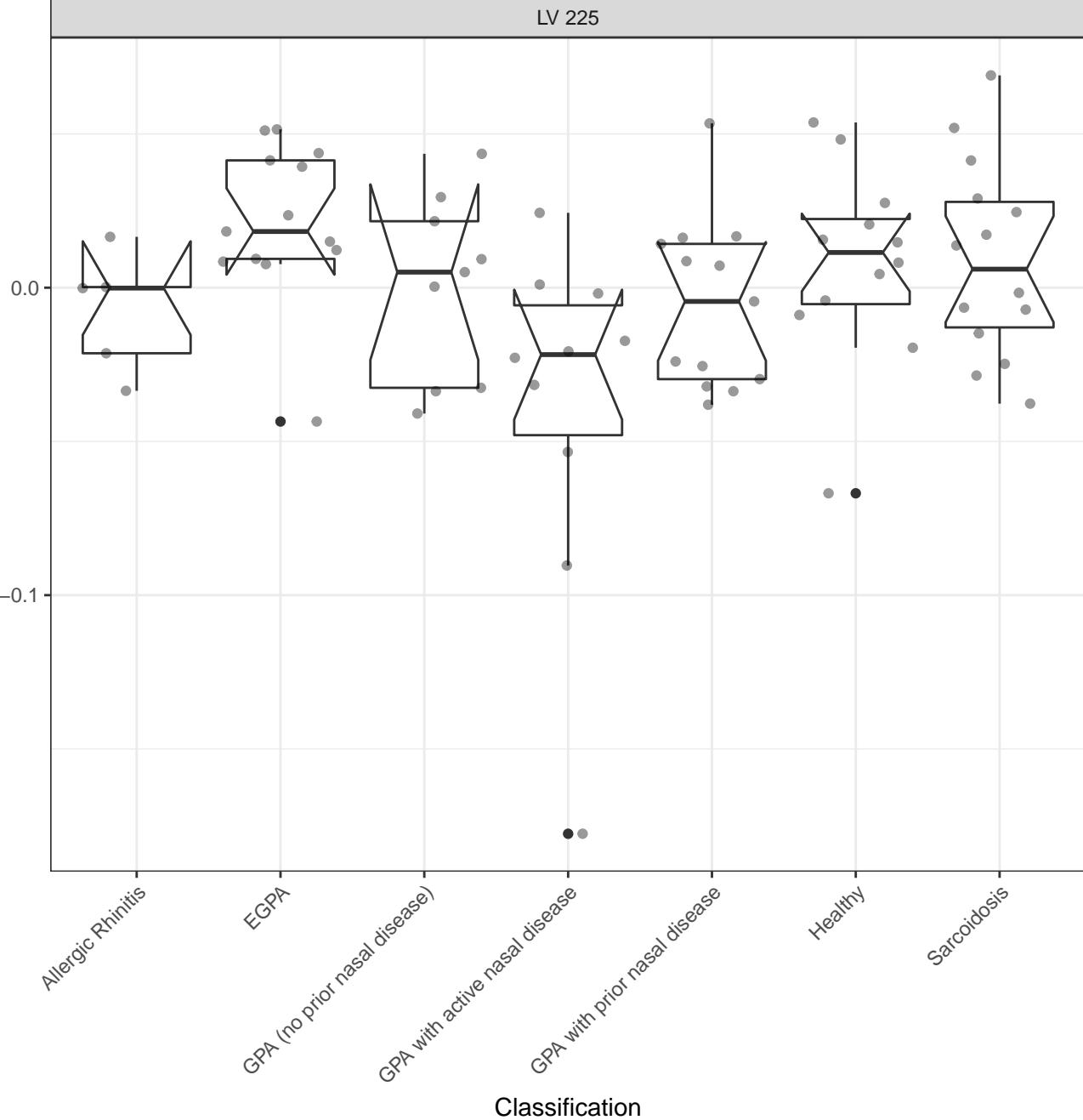
Healthy

Sarcoidosis

Classification



Value



Value

0.10

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

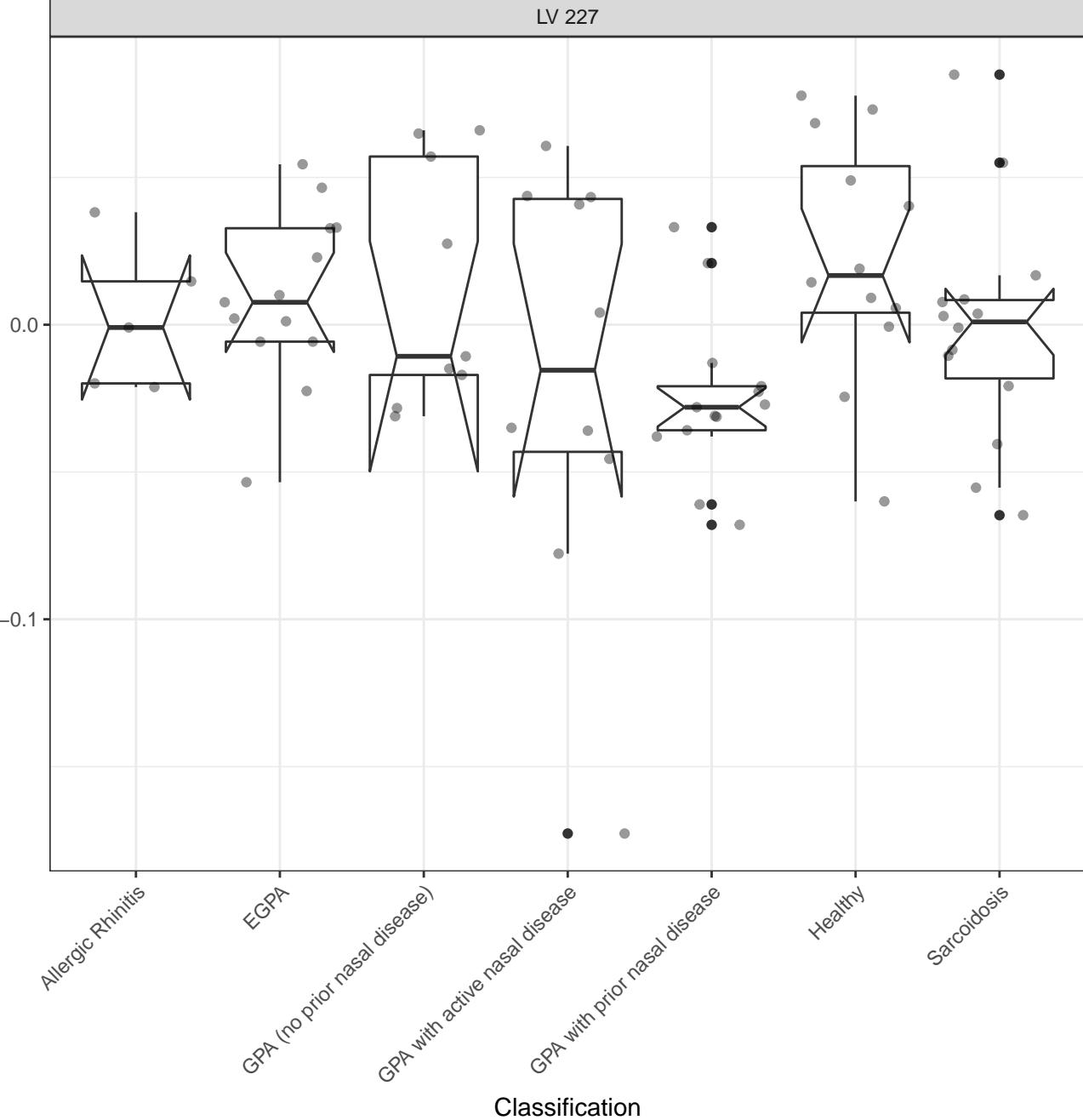
GPA with prior nasal disease

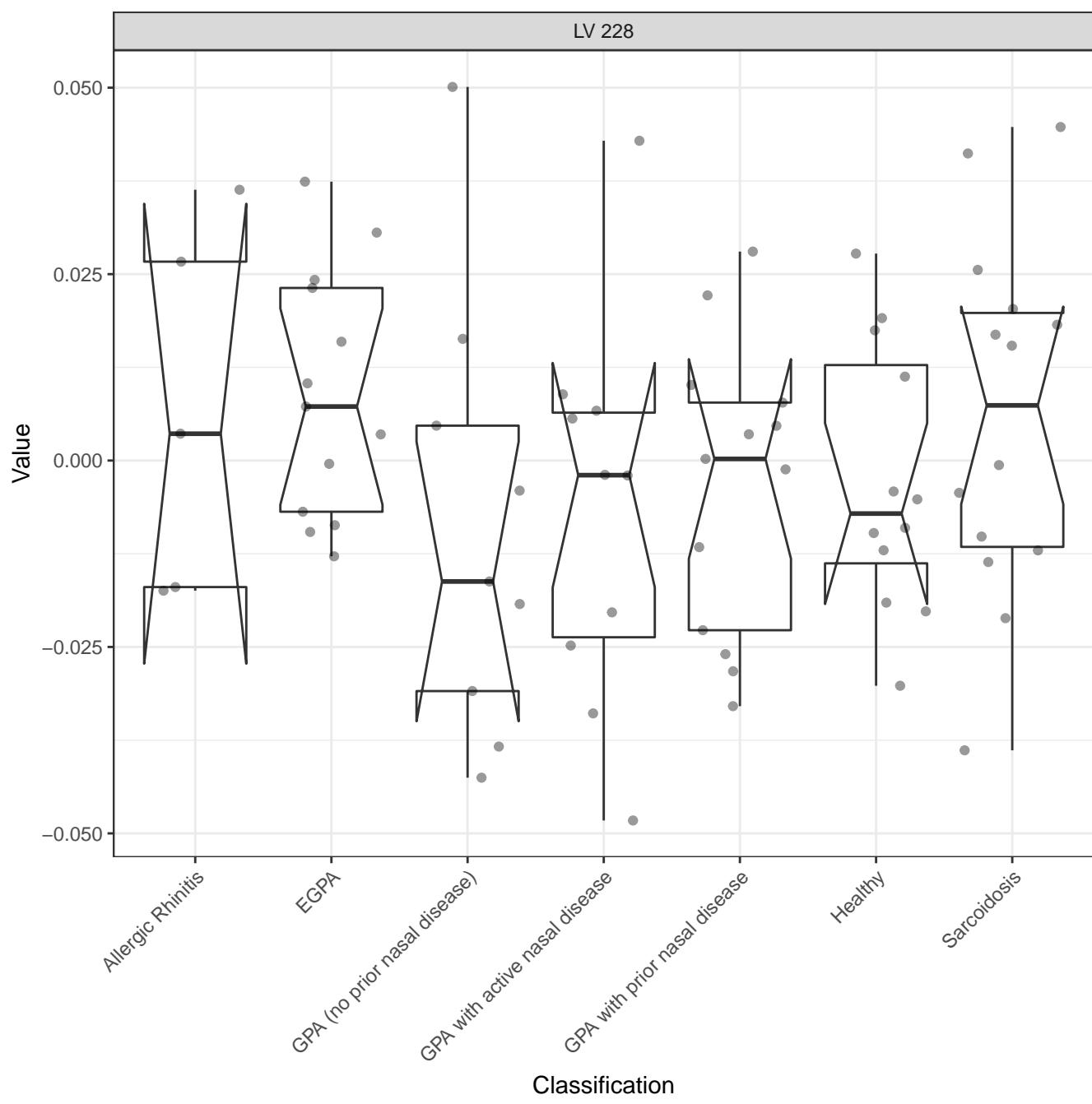
Healthy

Sarcoidosis

Classification

Value





Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

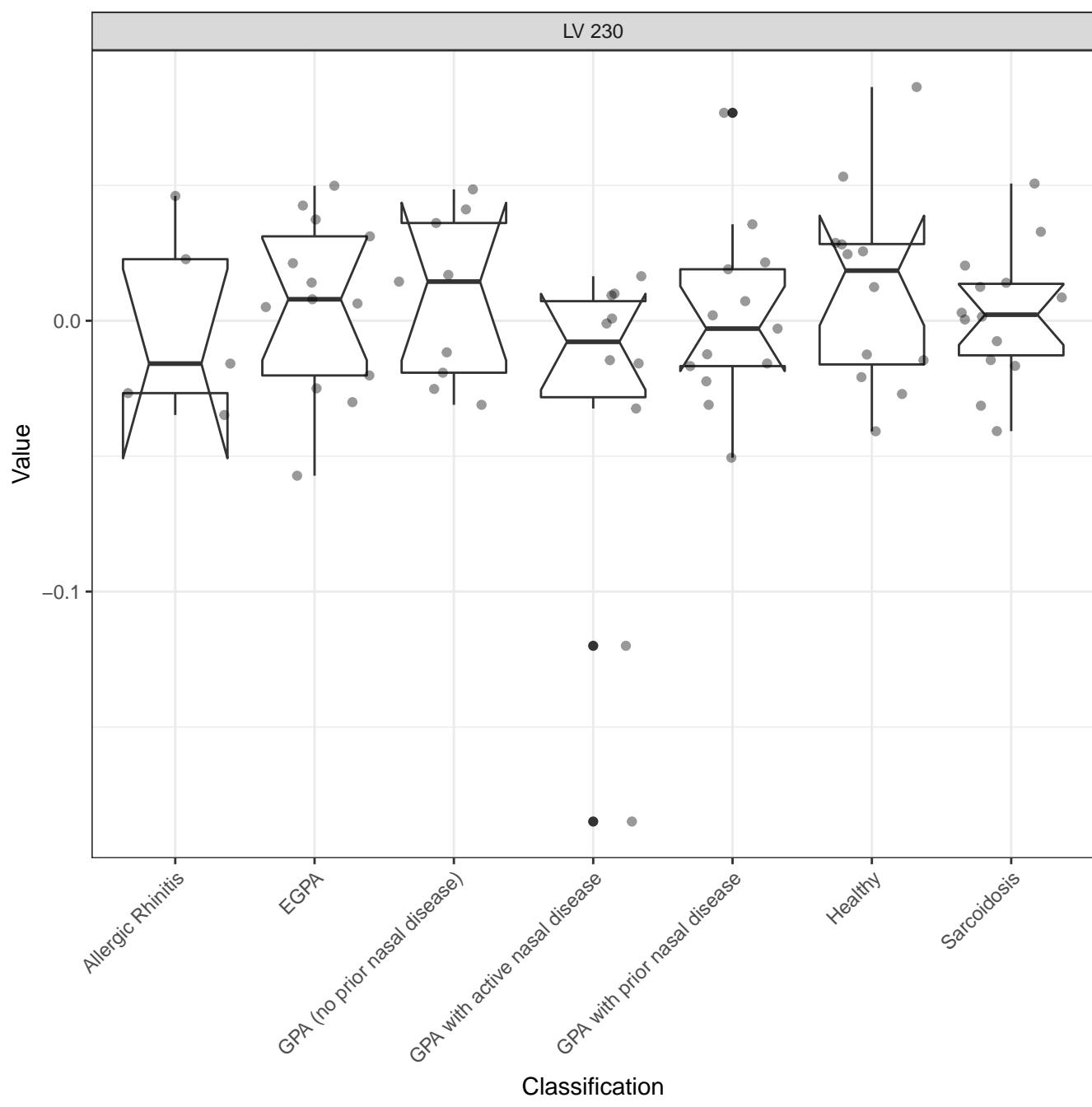
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

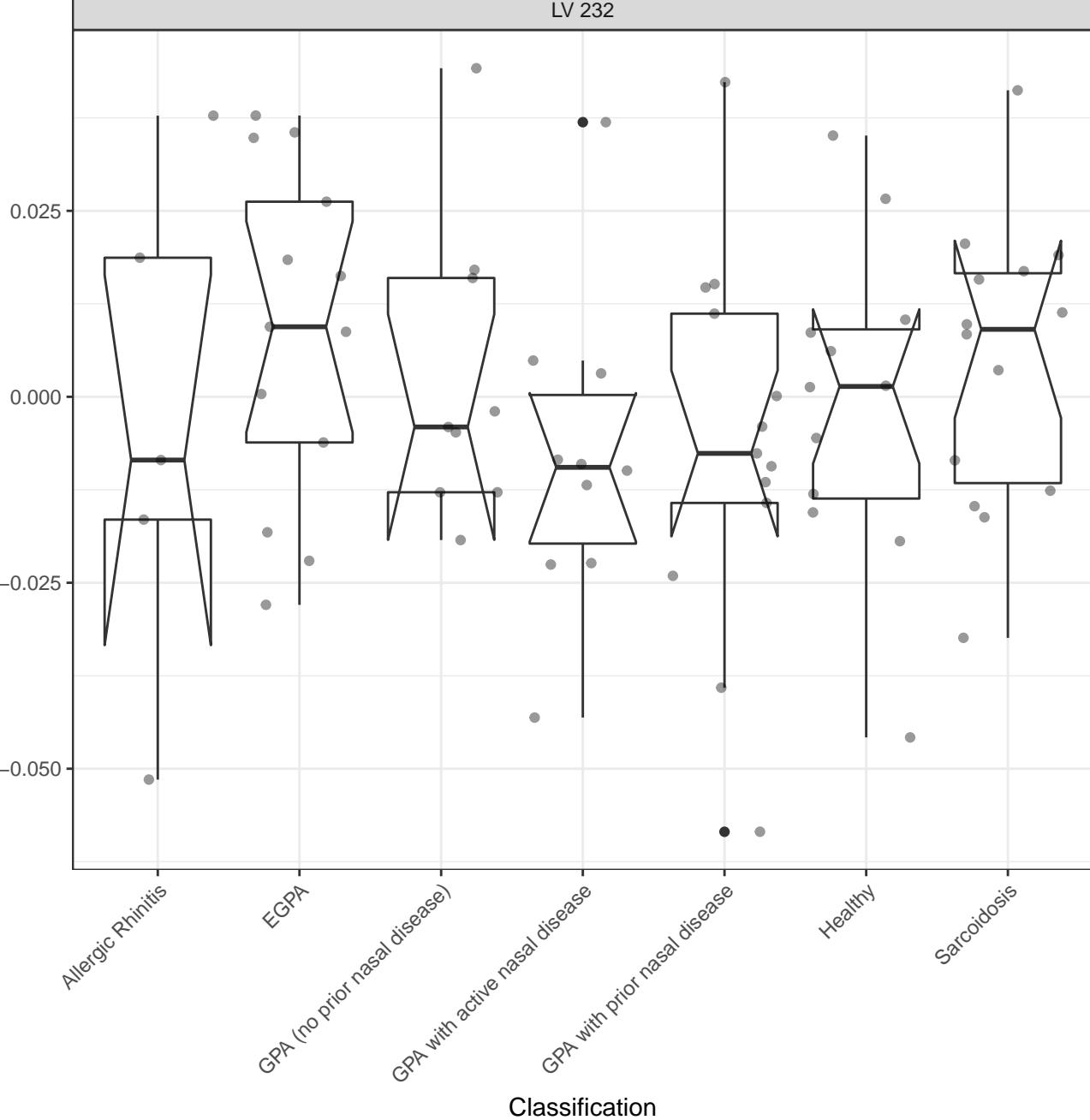
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

234,REACTOME_RNA_POL_I_PROMOTER_OPENING

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

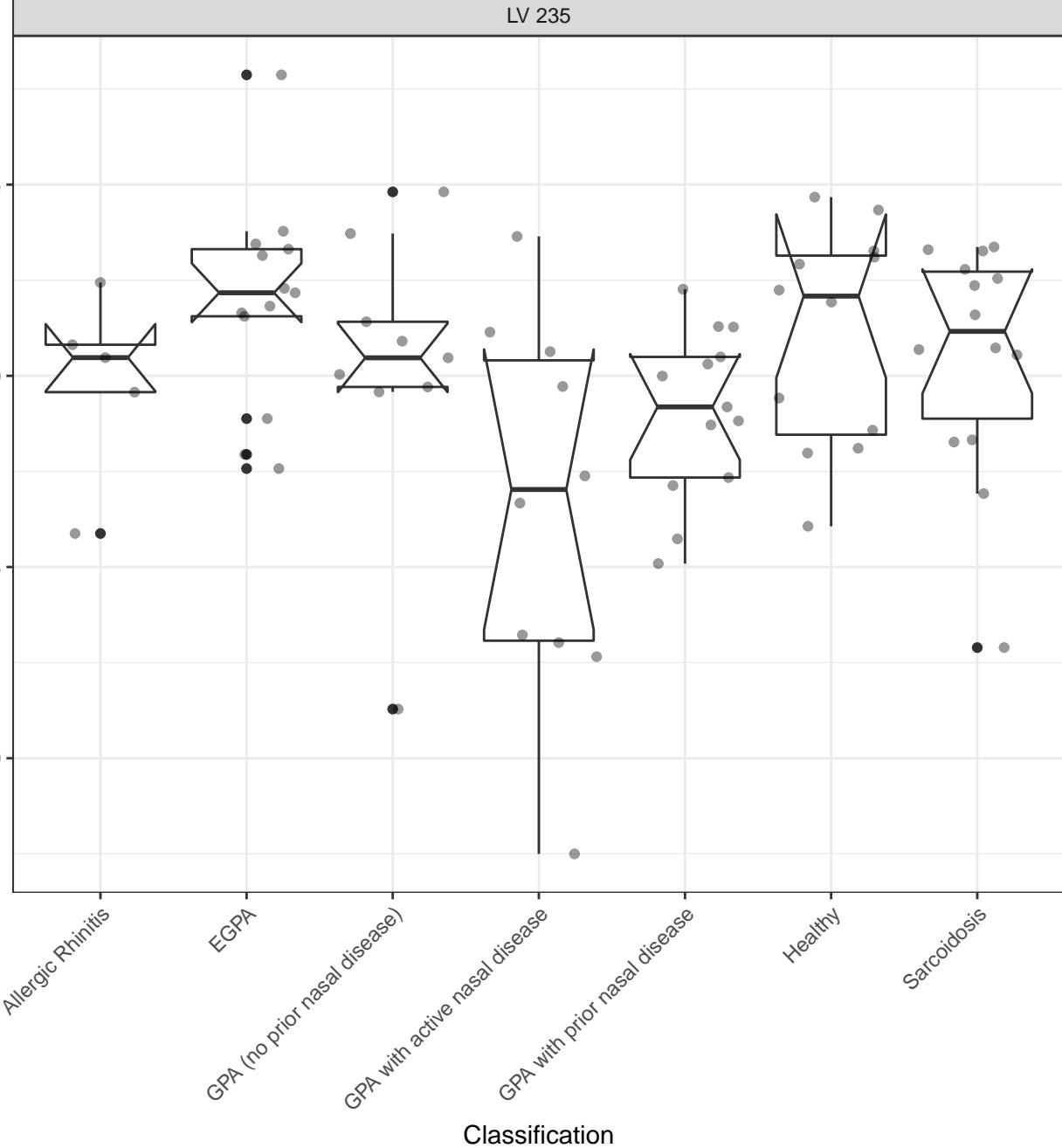
GPA with prior nasal disease

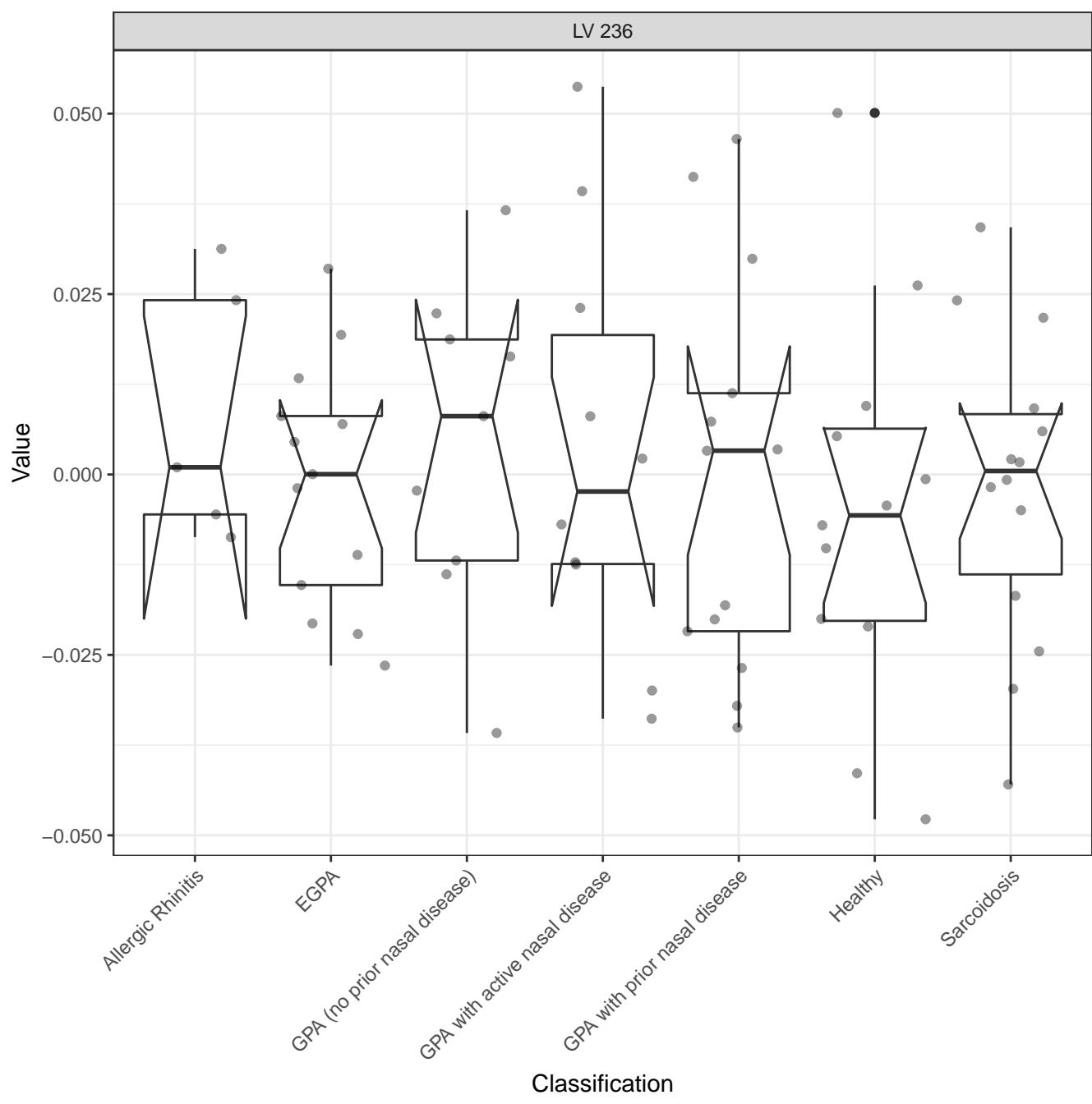
Healthy

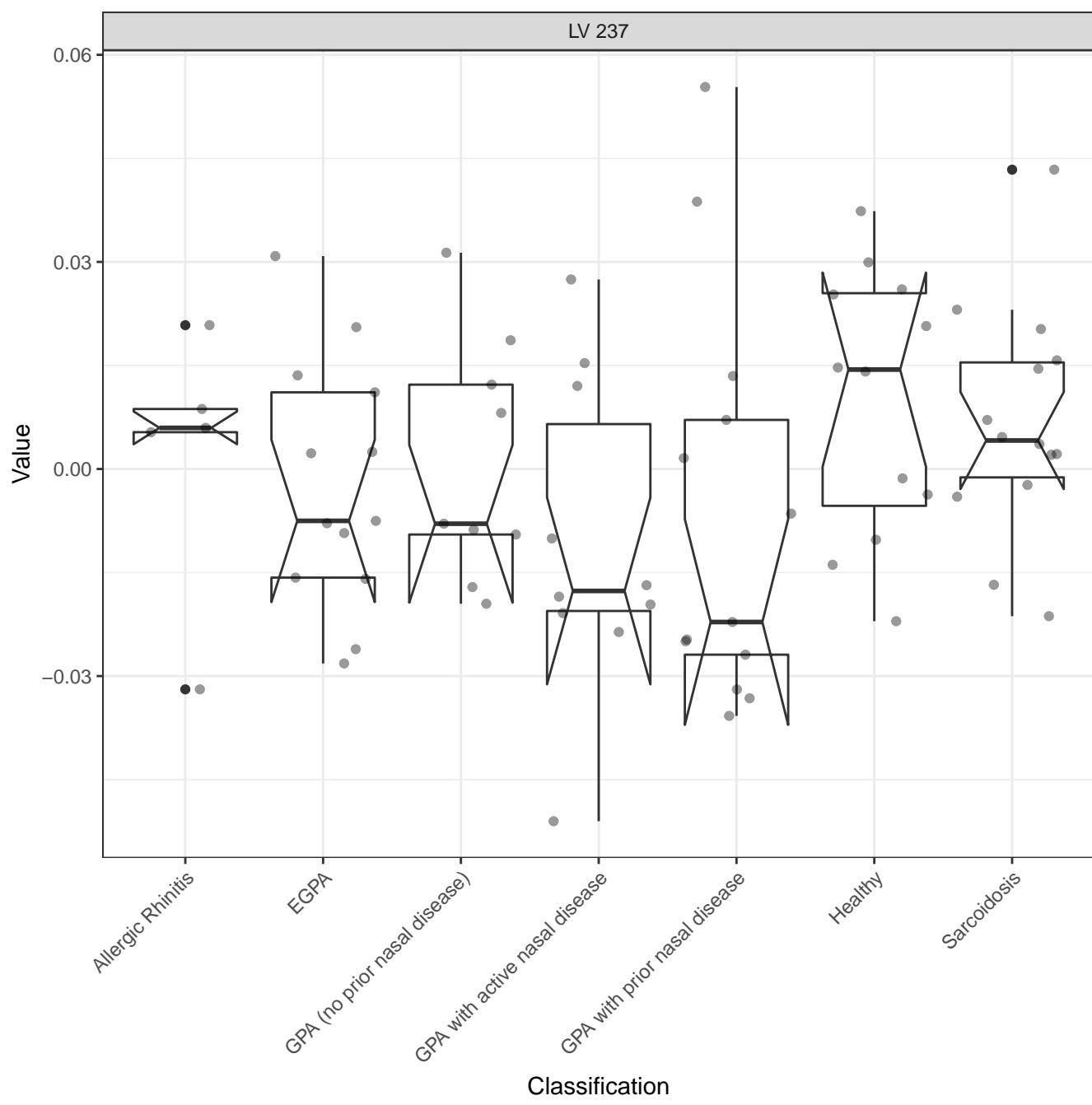
Sarcoidosis

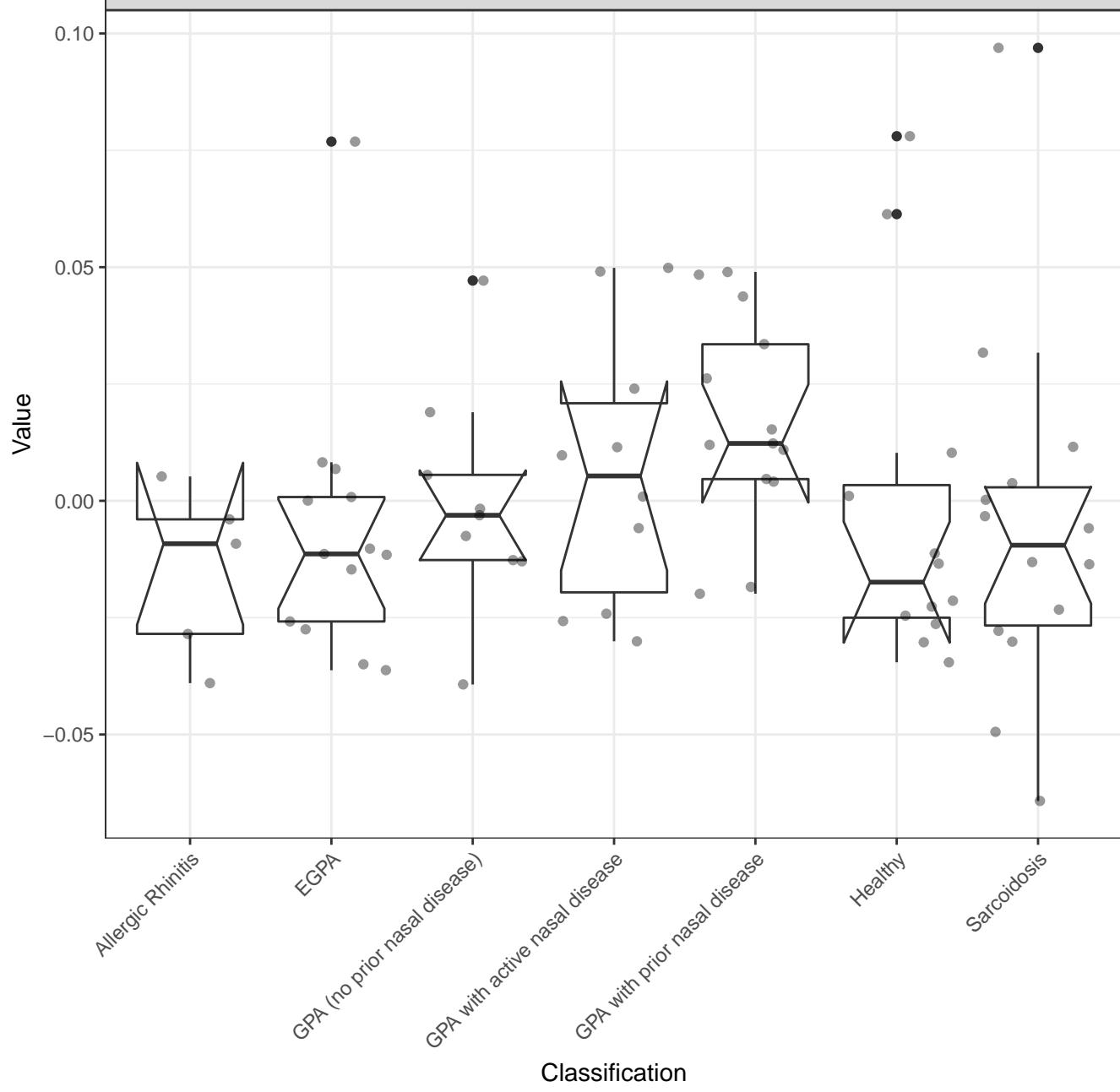
Classification

Value









Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

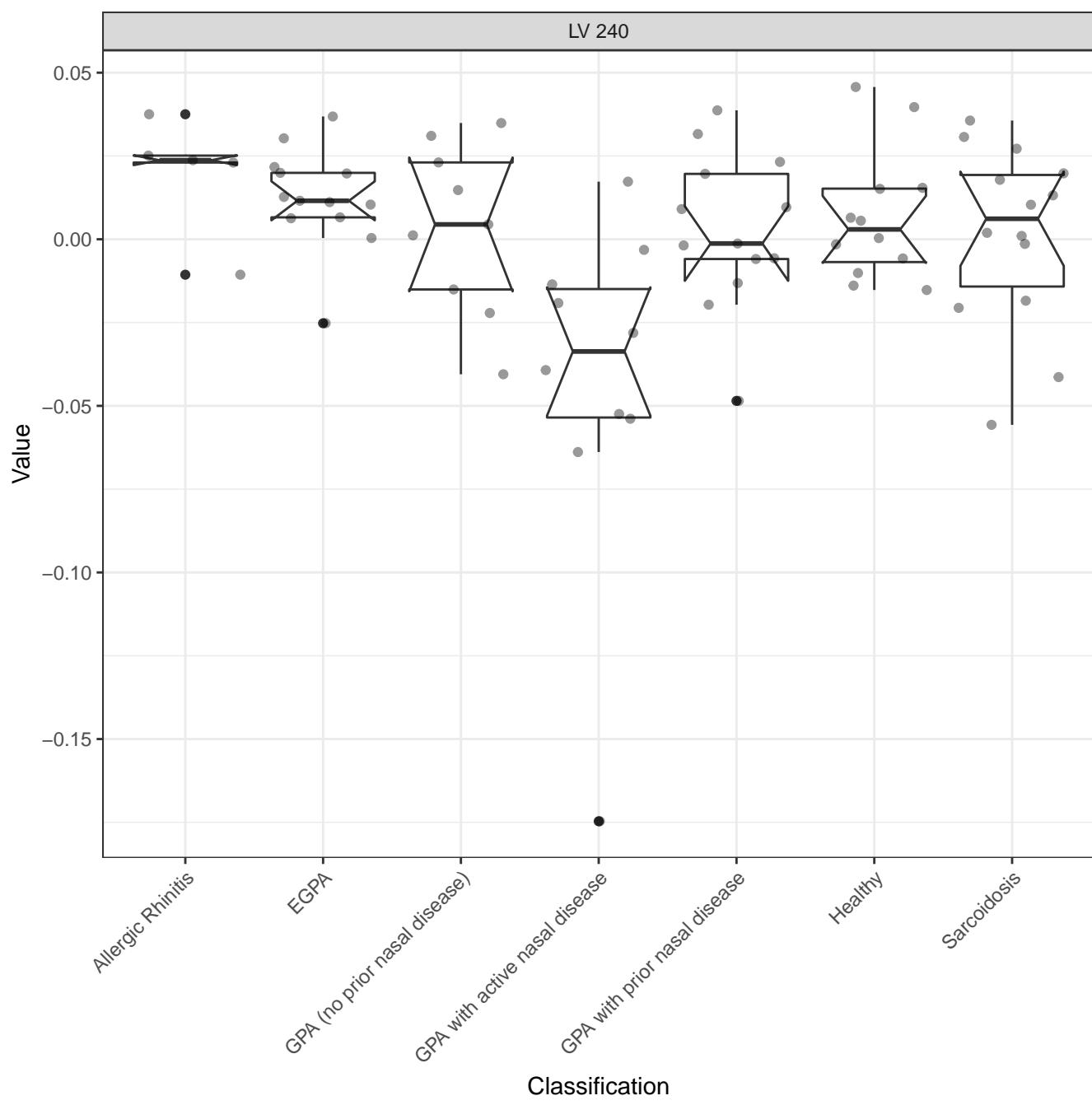
GPA with active nasal disease

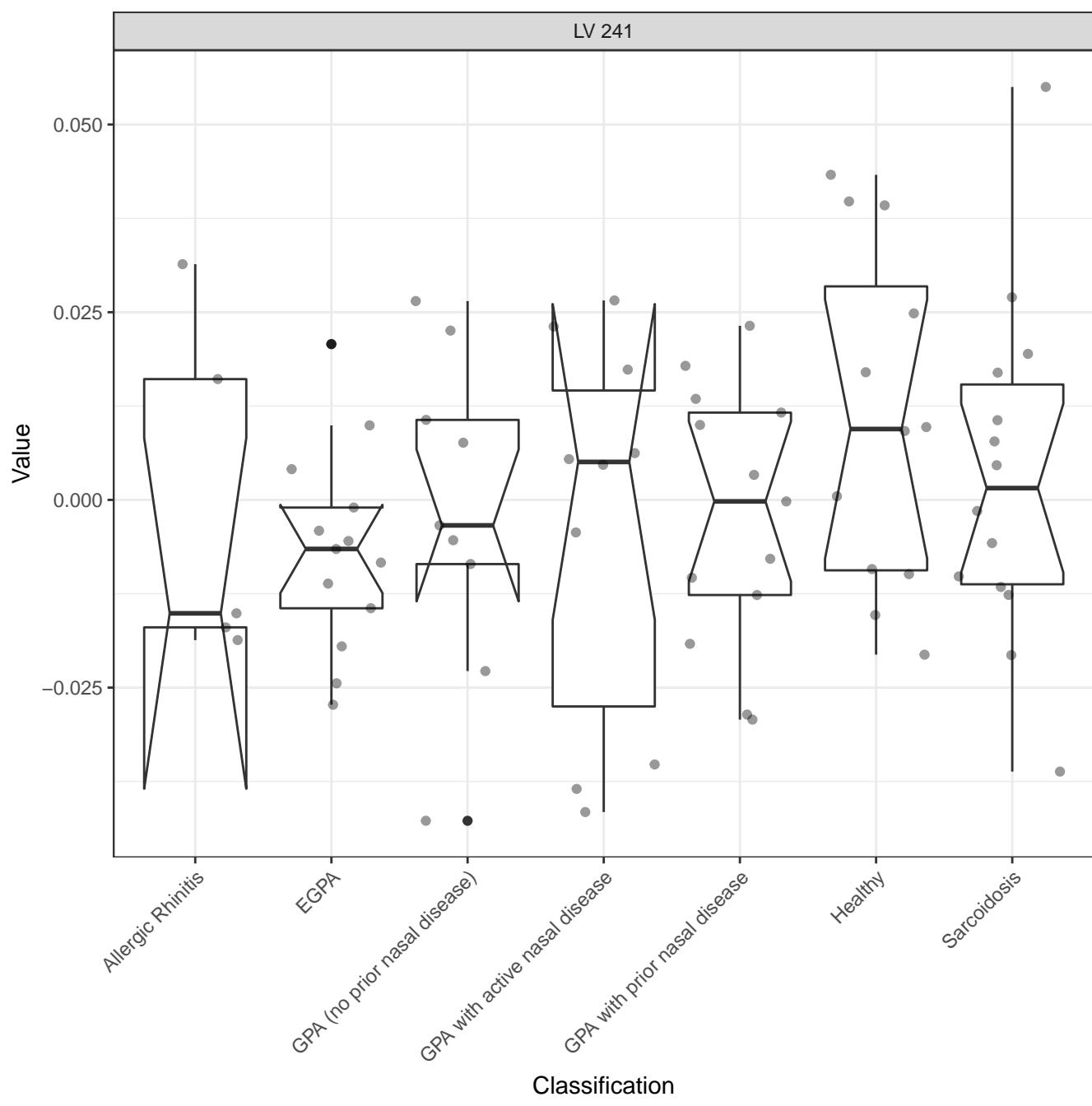
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.06

0.03

0.00

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

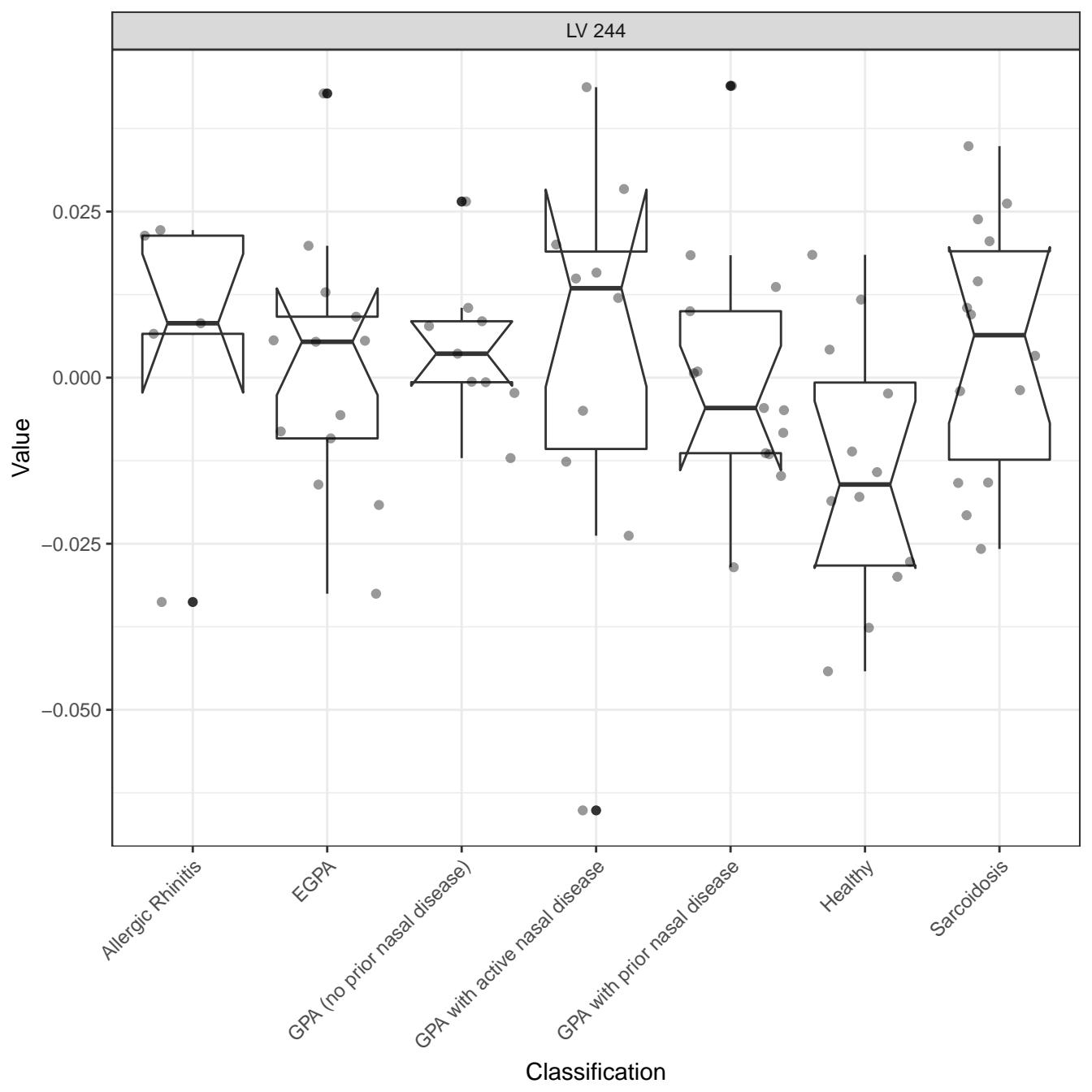
Classification

0.025

0.000

-0.025

-0.050



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

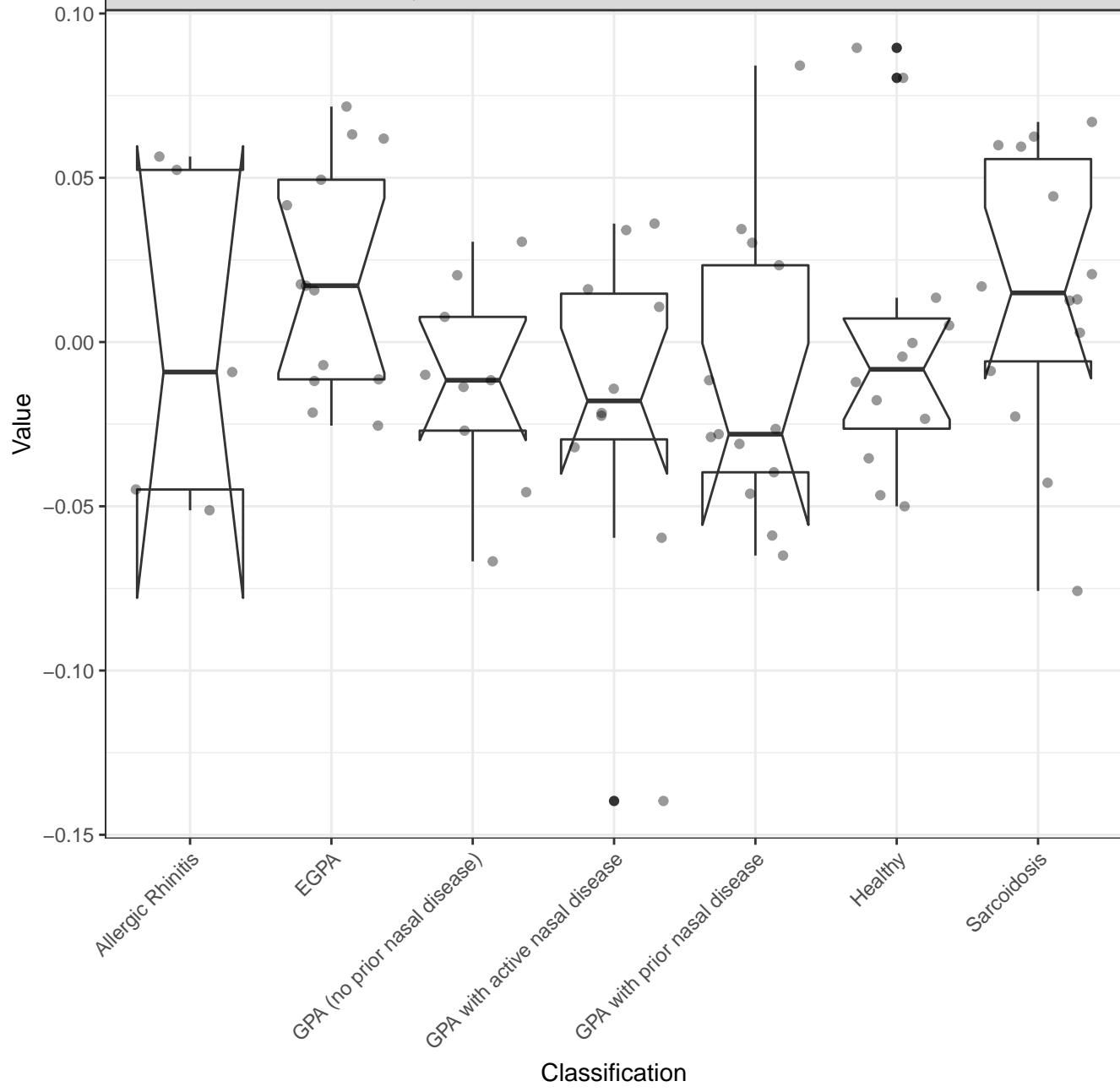
GPA with prior nasal disease

Healthy

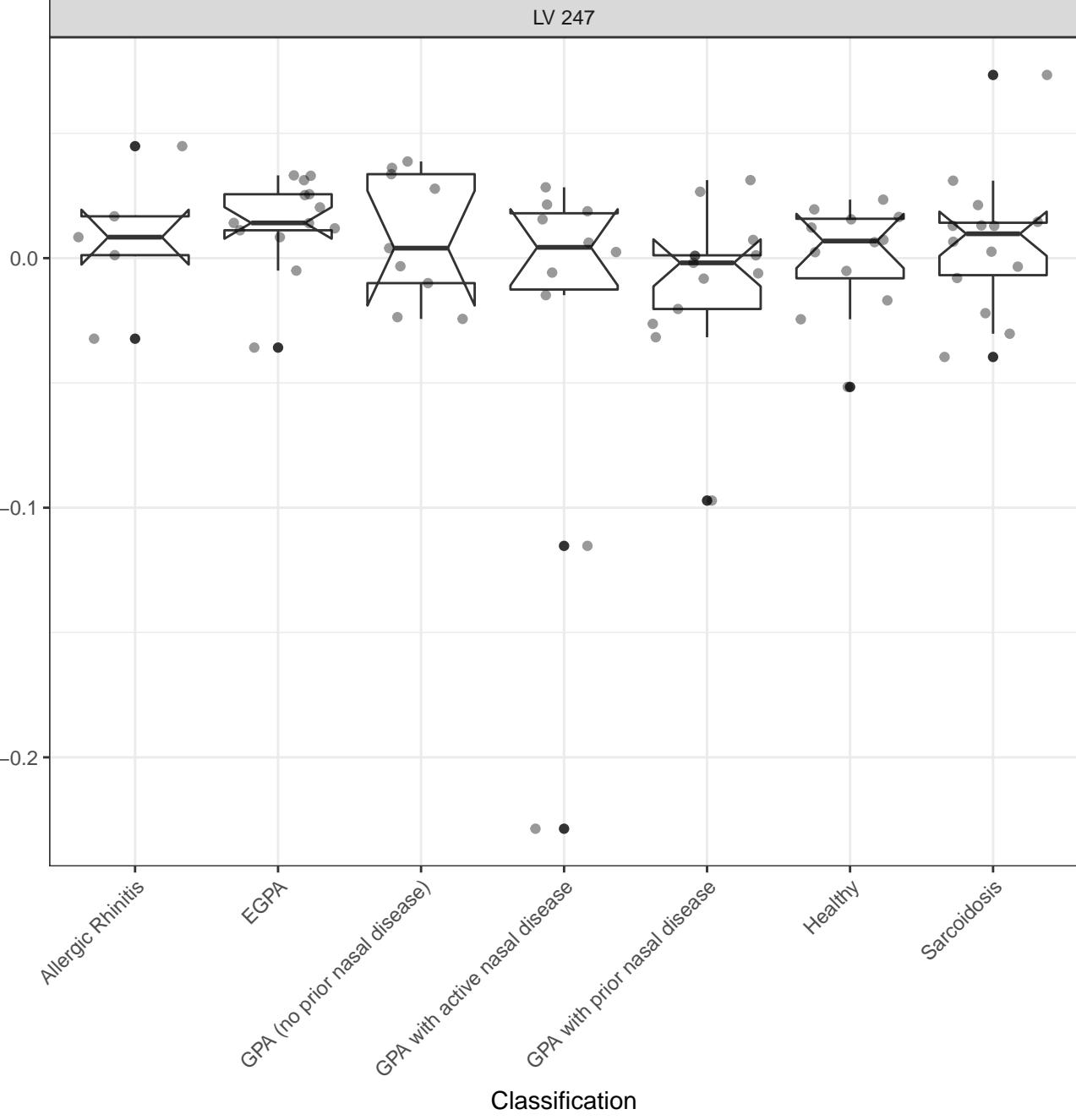
Sarcoidosis

Classification

246,REACTOME_TRIGLYCERIDE BIOSYNTHESIS



Value



Value

0.04

0.00

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

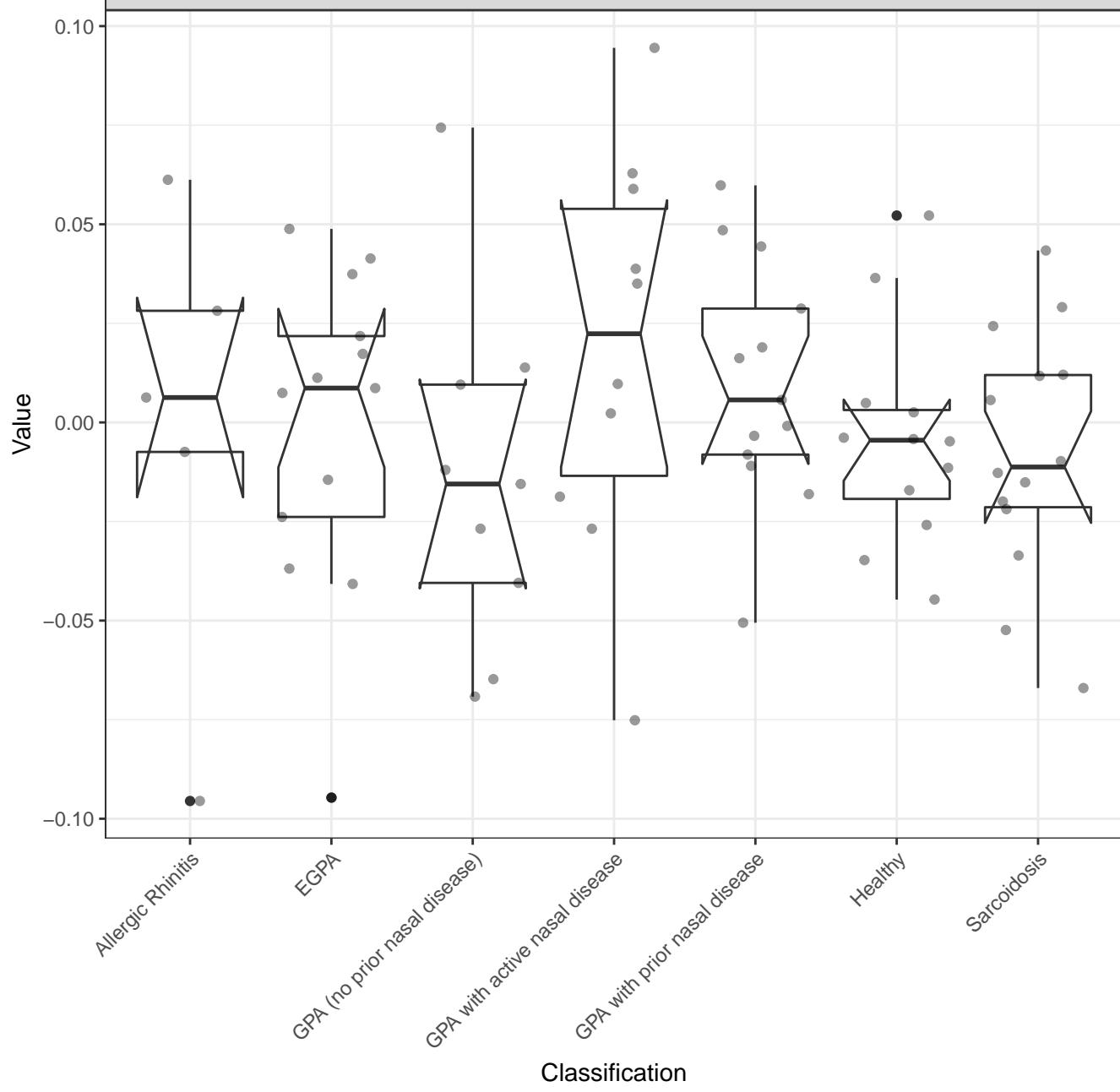
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

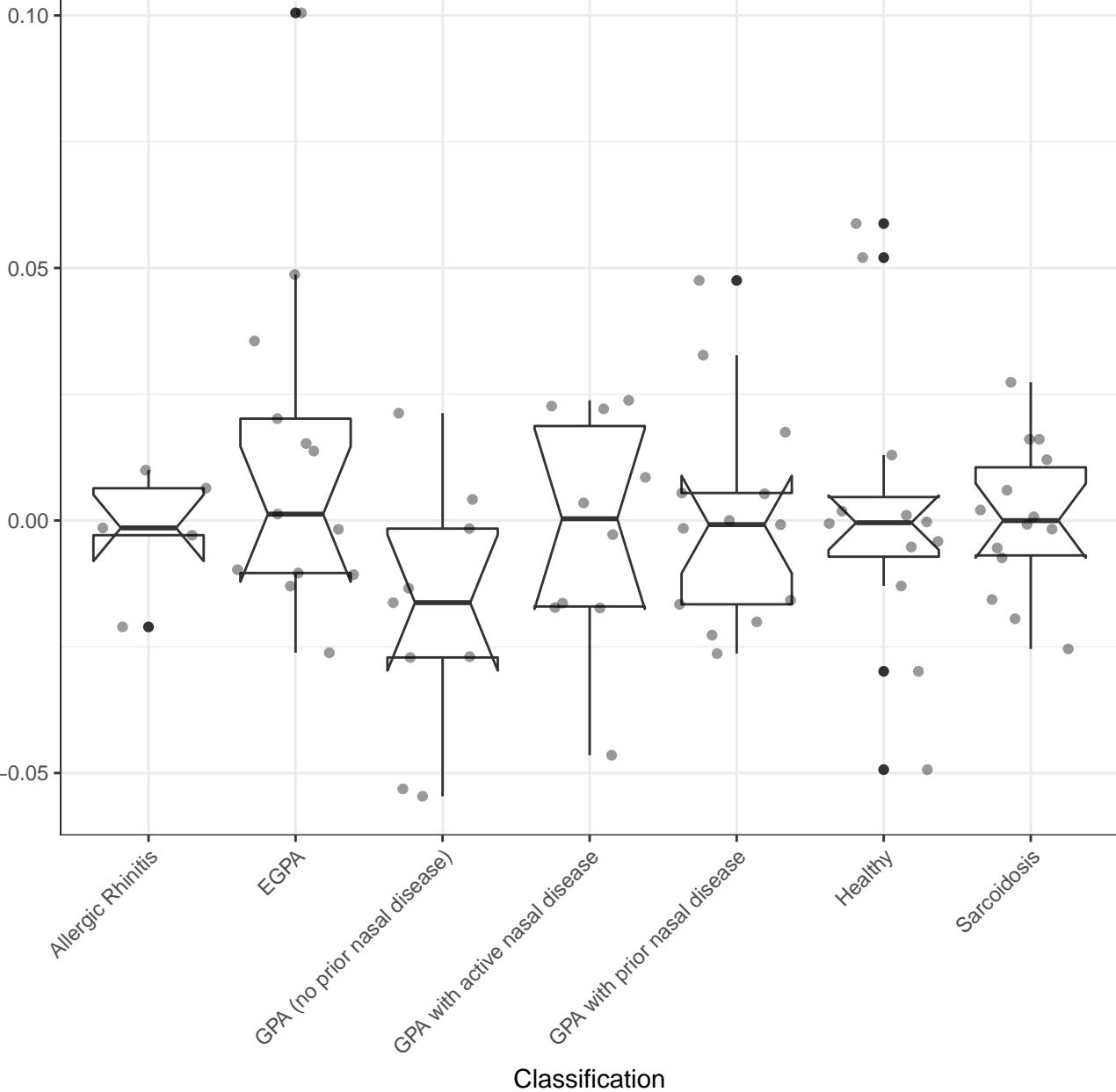
GPA with prior nasal disease

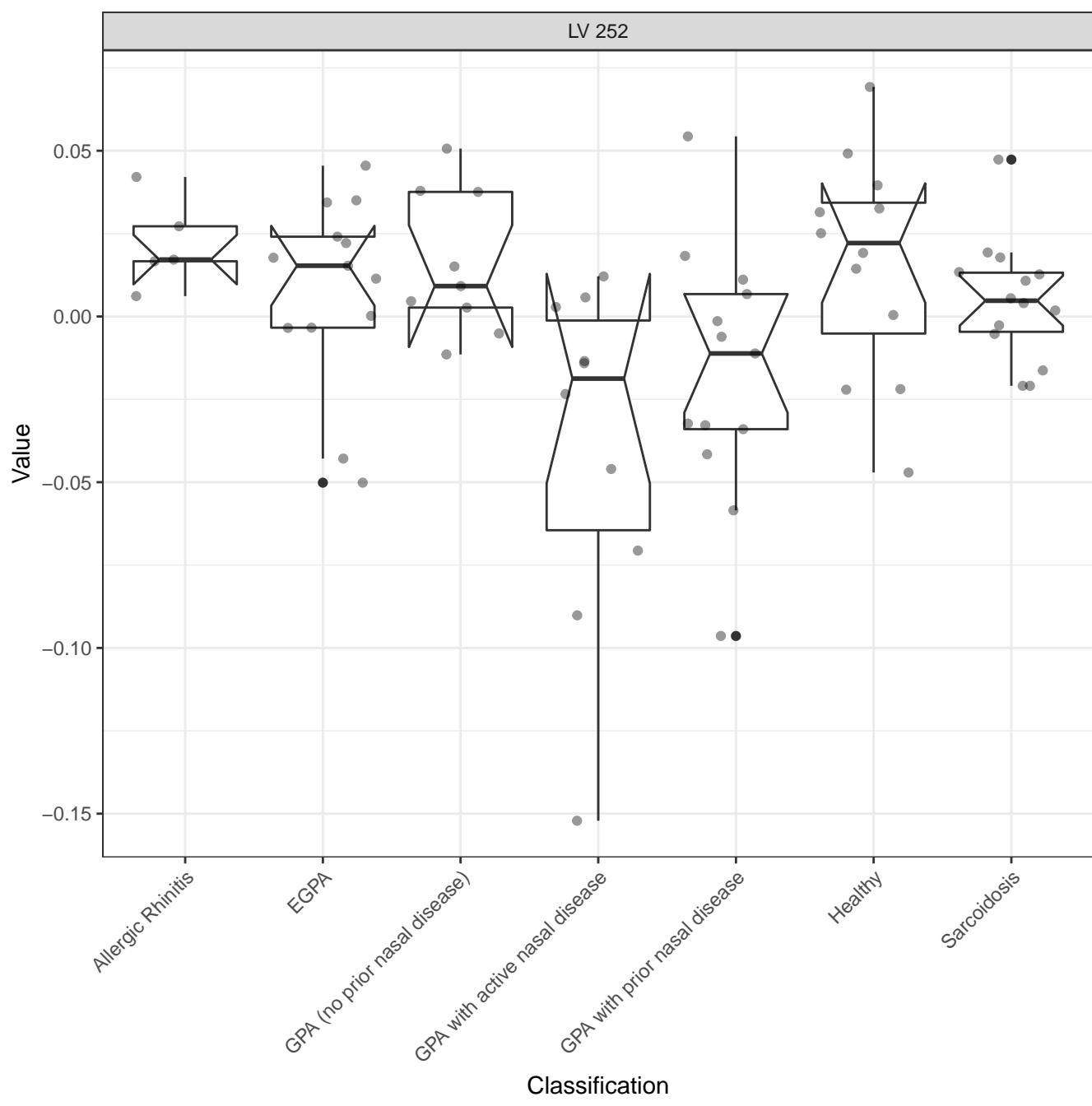
Healthy

Sarcoidosis

Classification

Value





LV 253

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

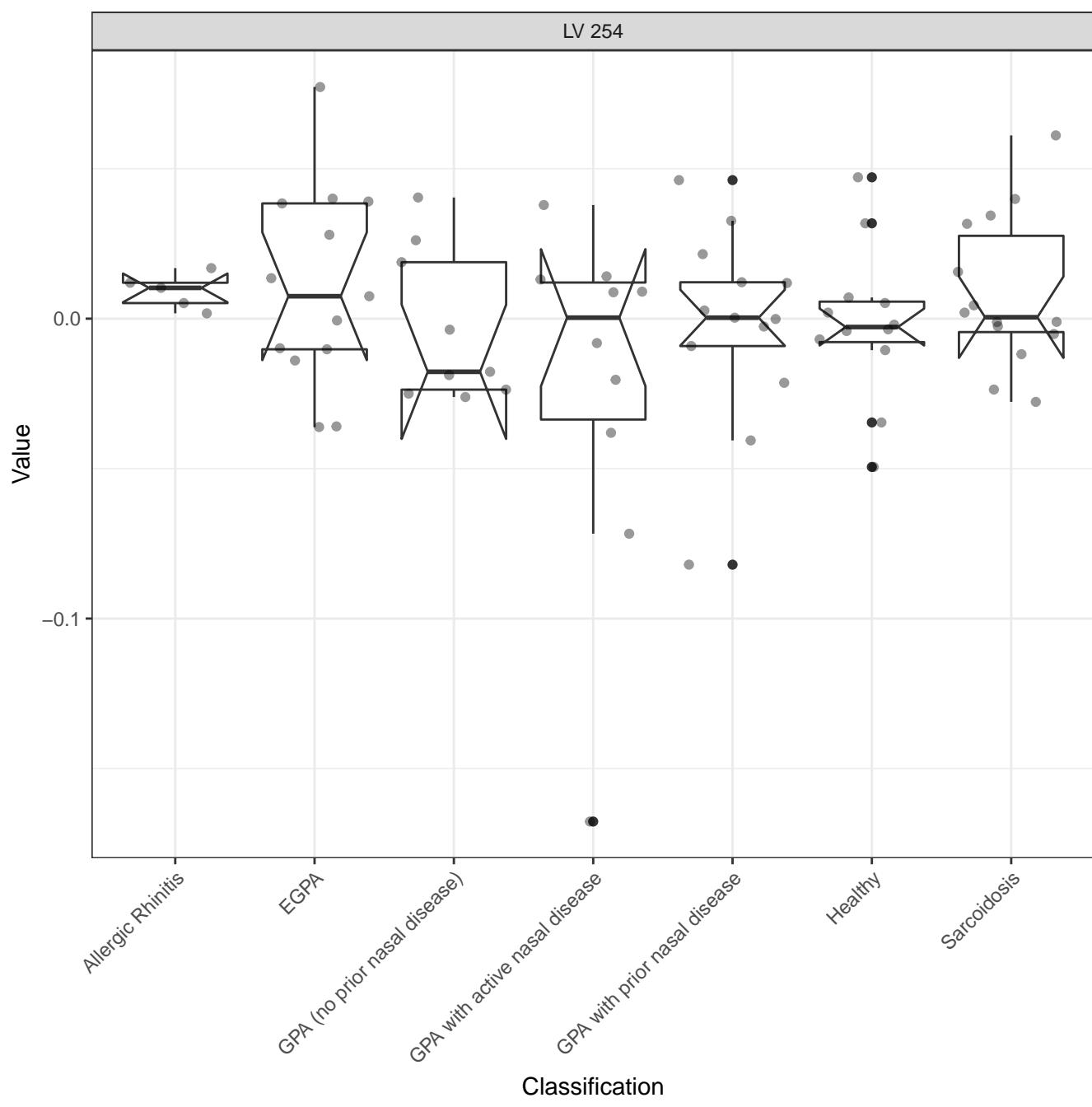
GPA with active nasal disease

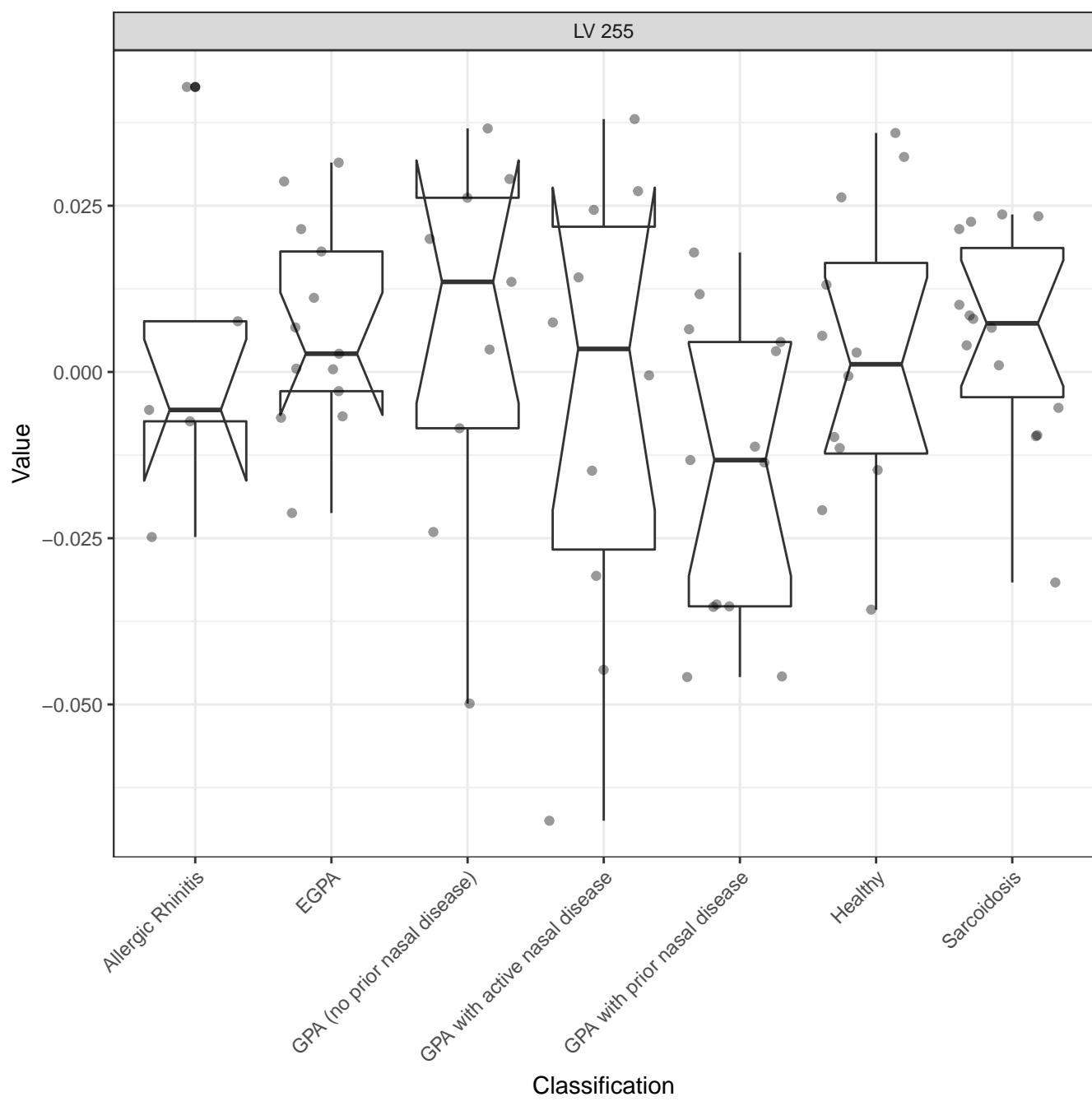
GPA with prior nasal disease

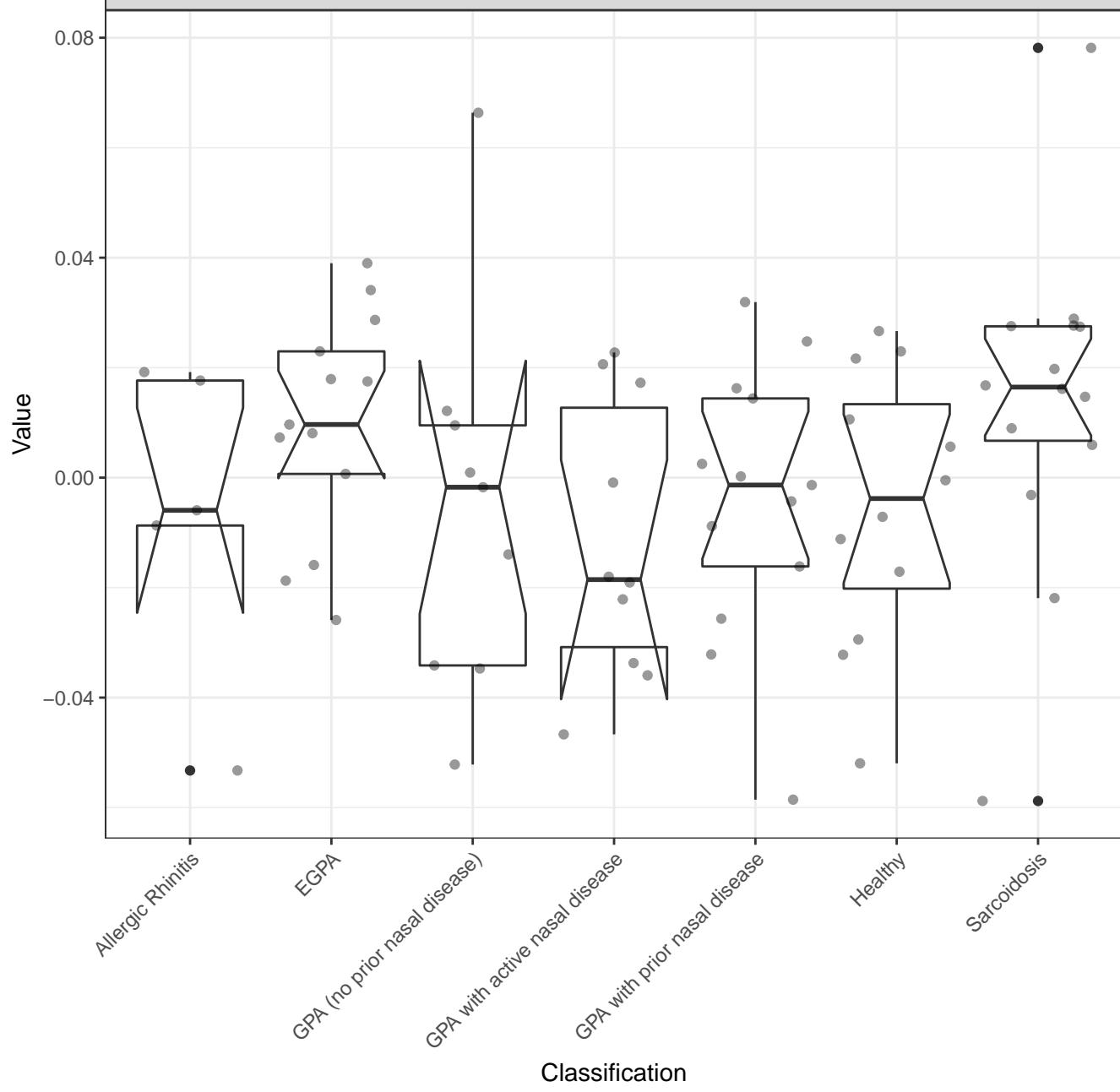
Healthy

Sarcoidosis

Classification







257,KEGG_DILATED_CARDIOMYOPATHY

Value

0.15

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

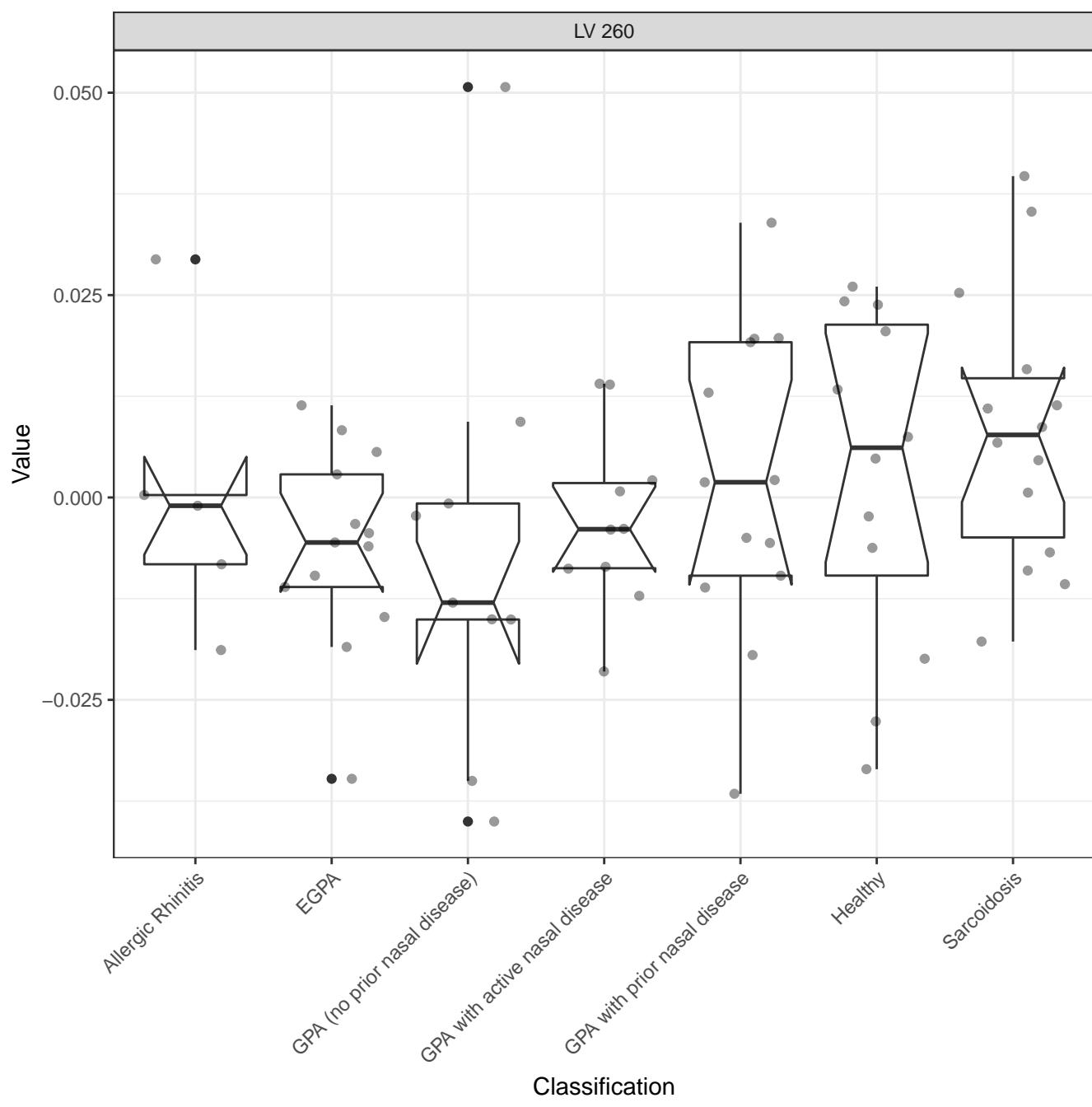
GPA with active nasal disease

GPA with prior nasal disease

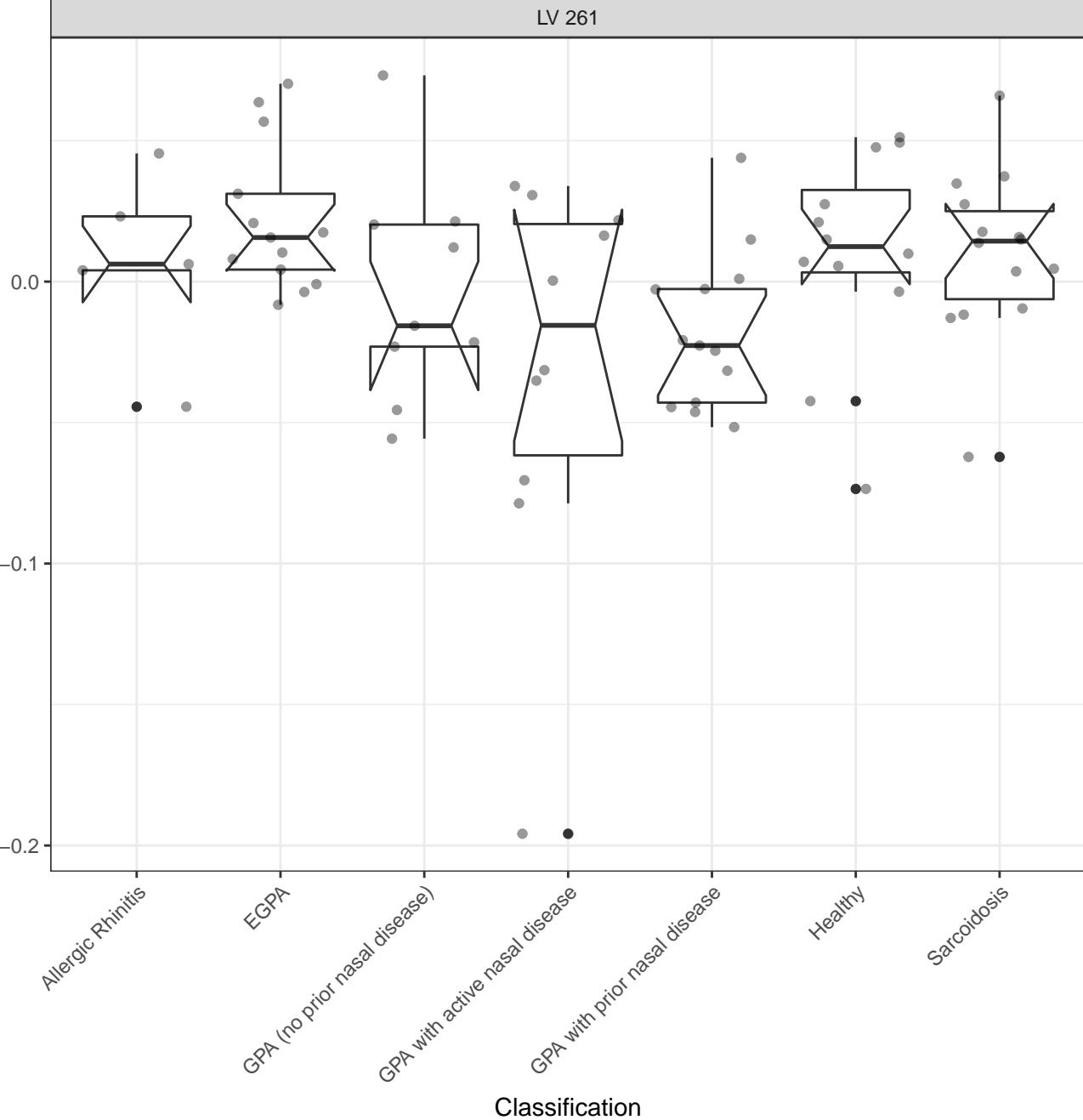
Healthy

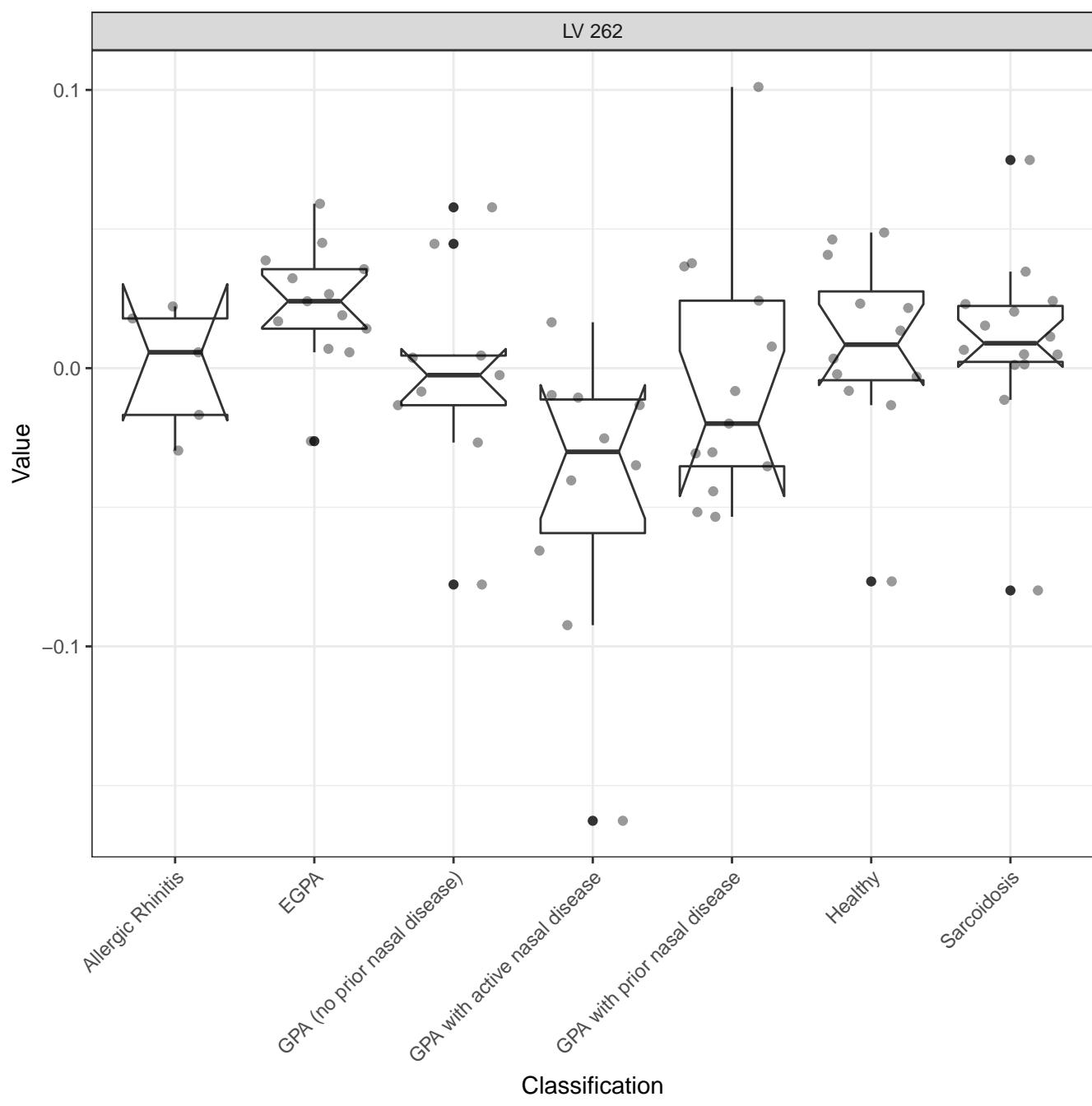
Sarcoidosis

Classification



Value





Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

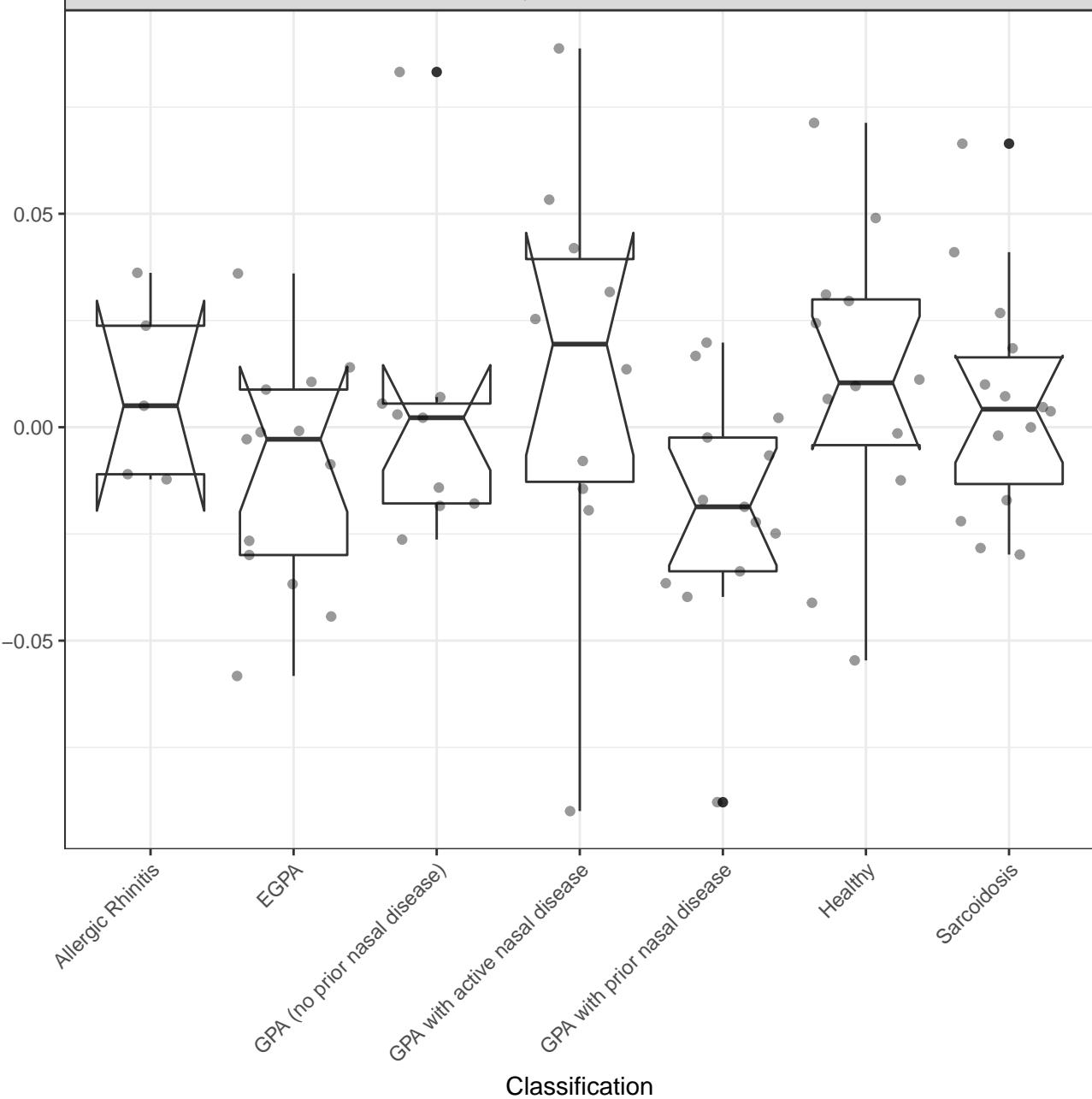
GPA with prior nasal disease

Healthy

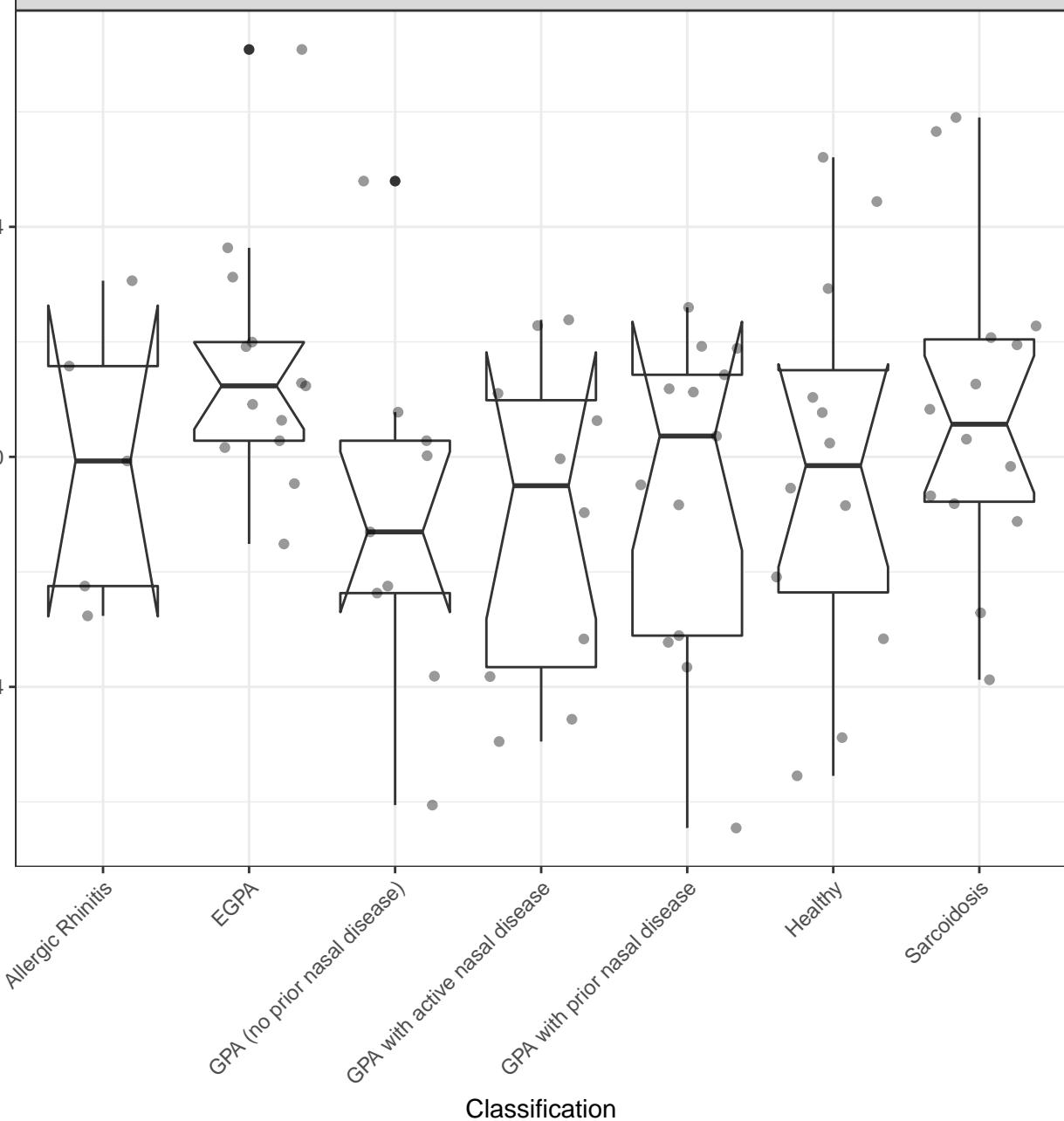
Sarcoidosis

Classification

Value



Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

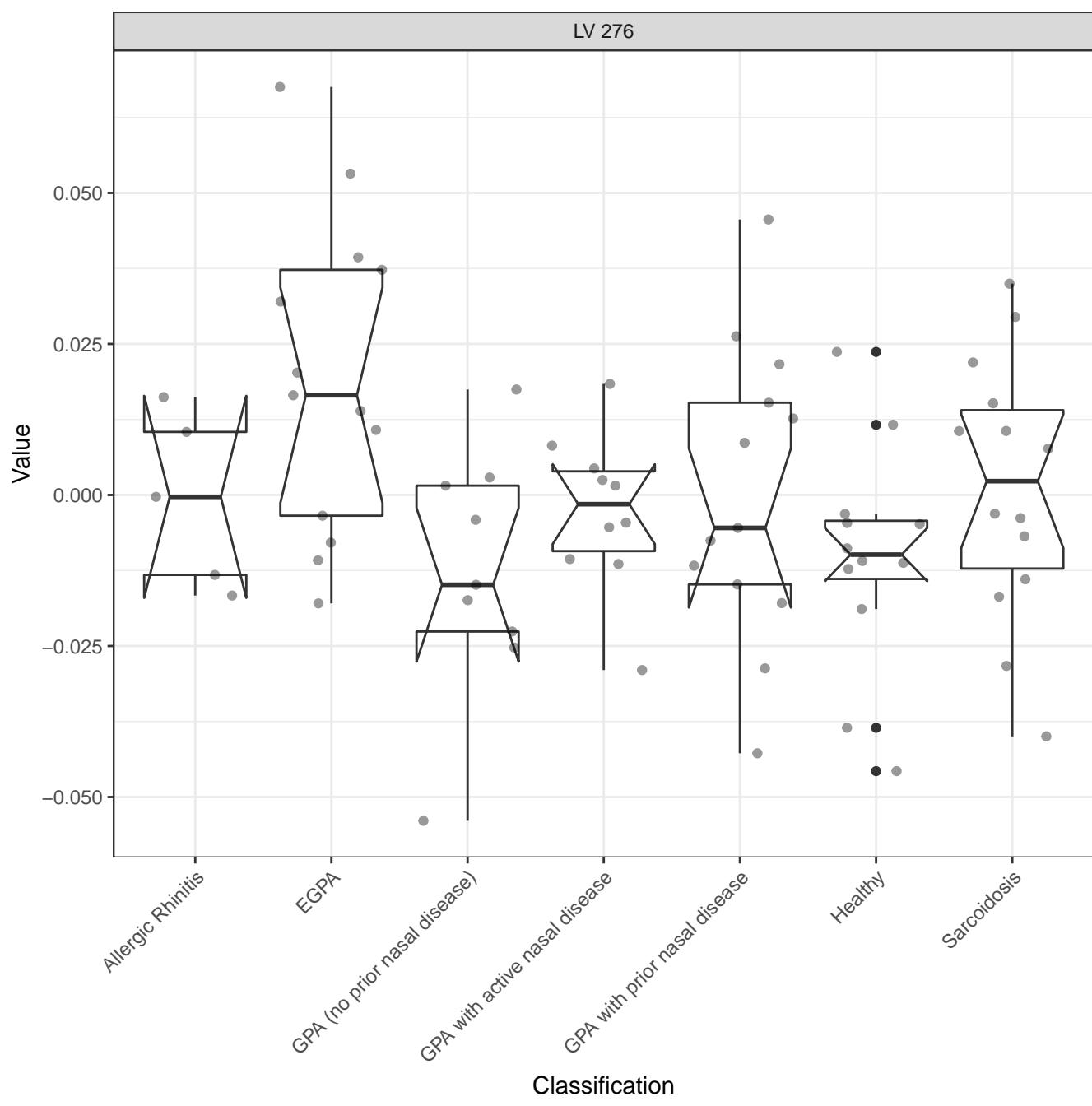
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 281

Value

0.06
0.04
0.02
0.00
-0.02
-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

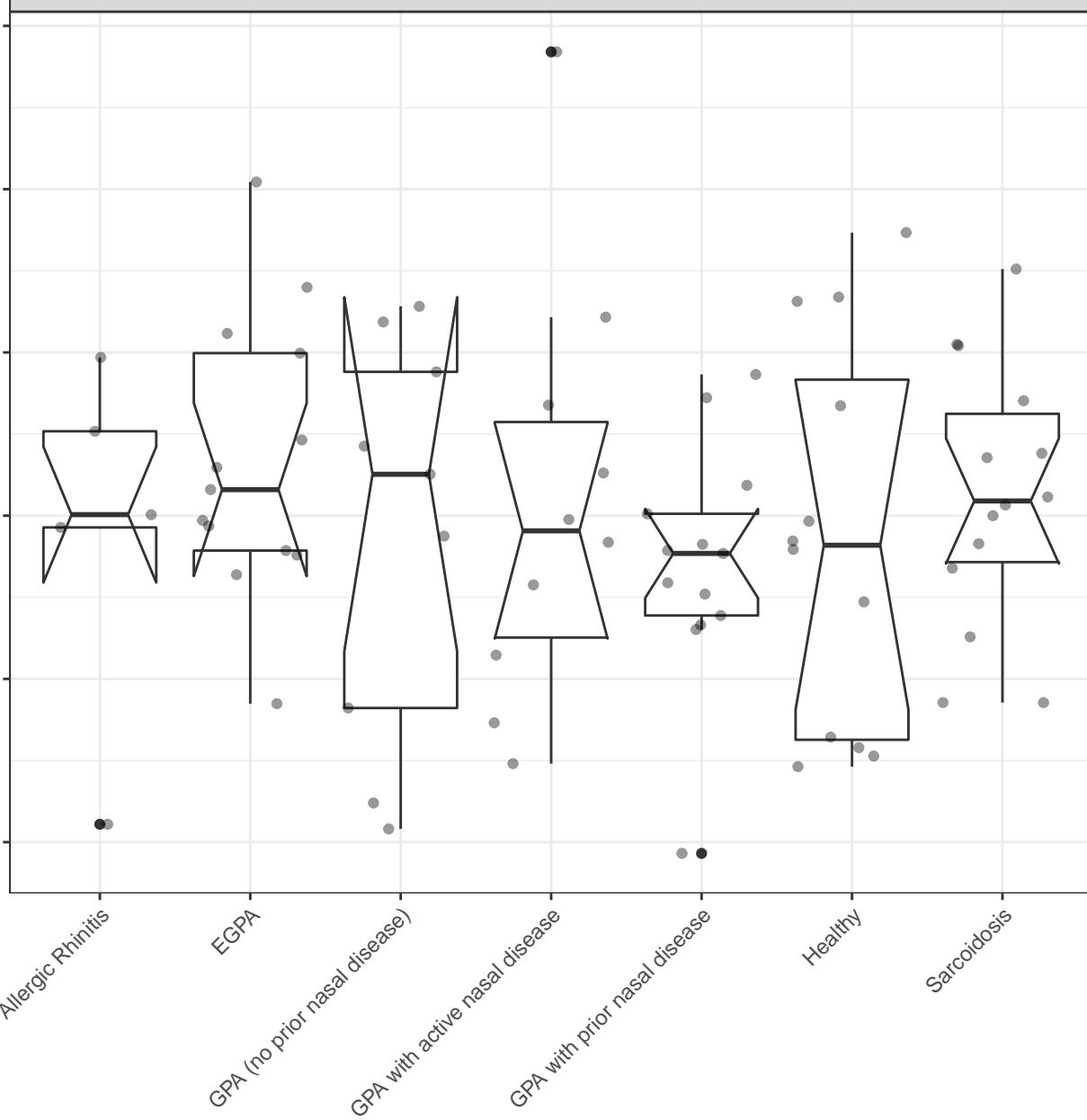
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.06

0.03

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

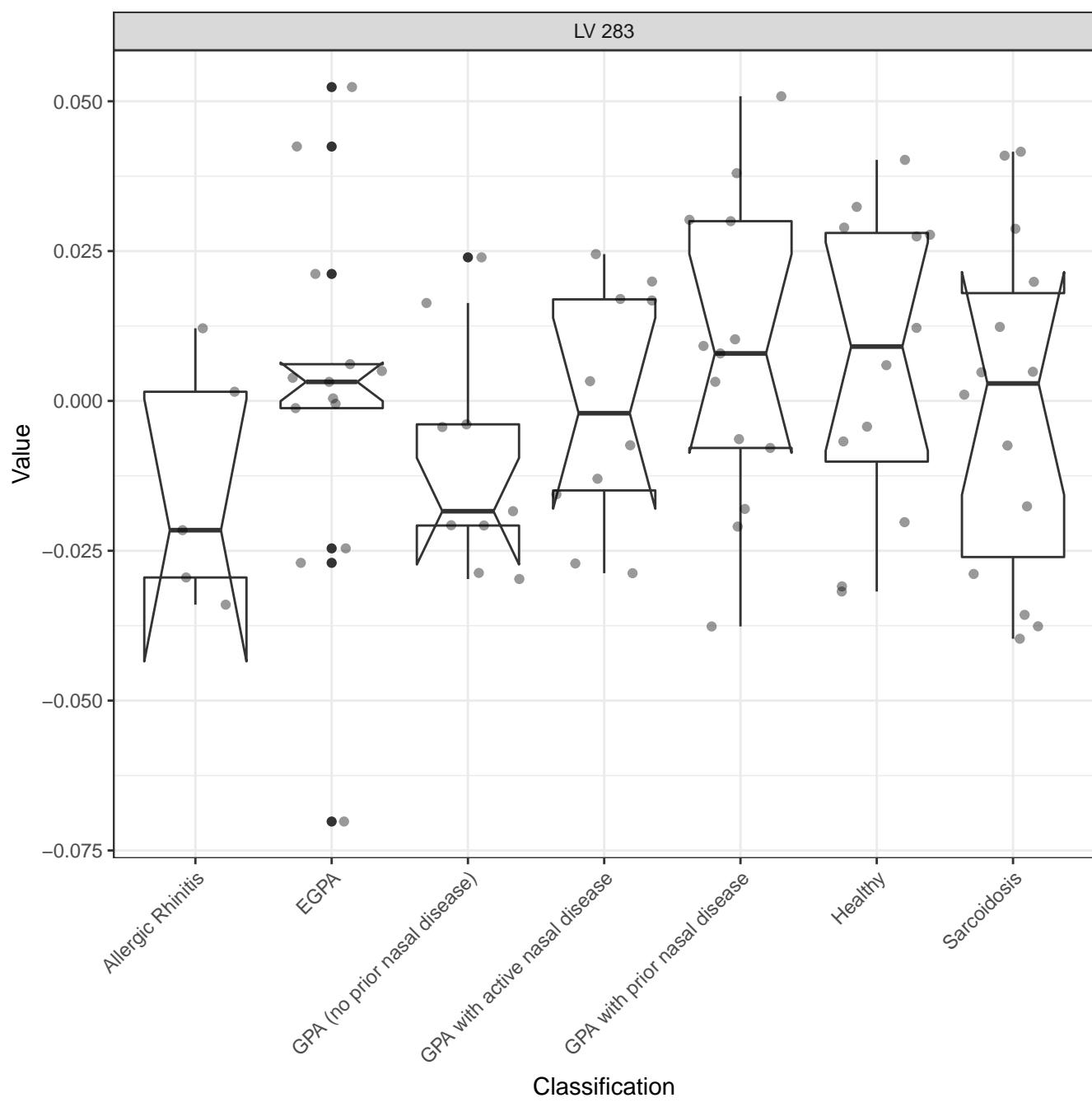
GPA with active nasal disease

GPA with prior nasal disease

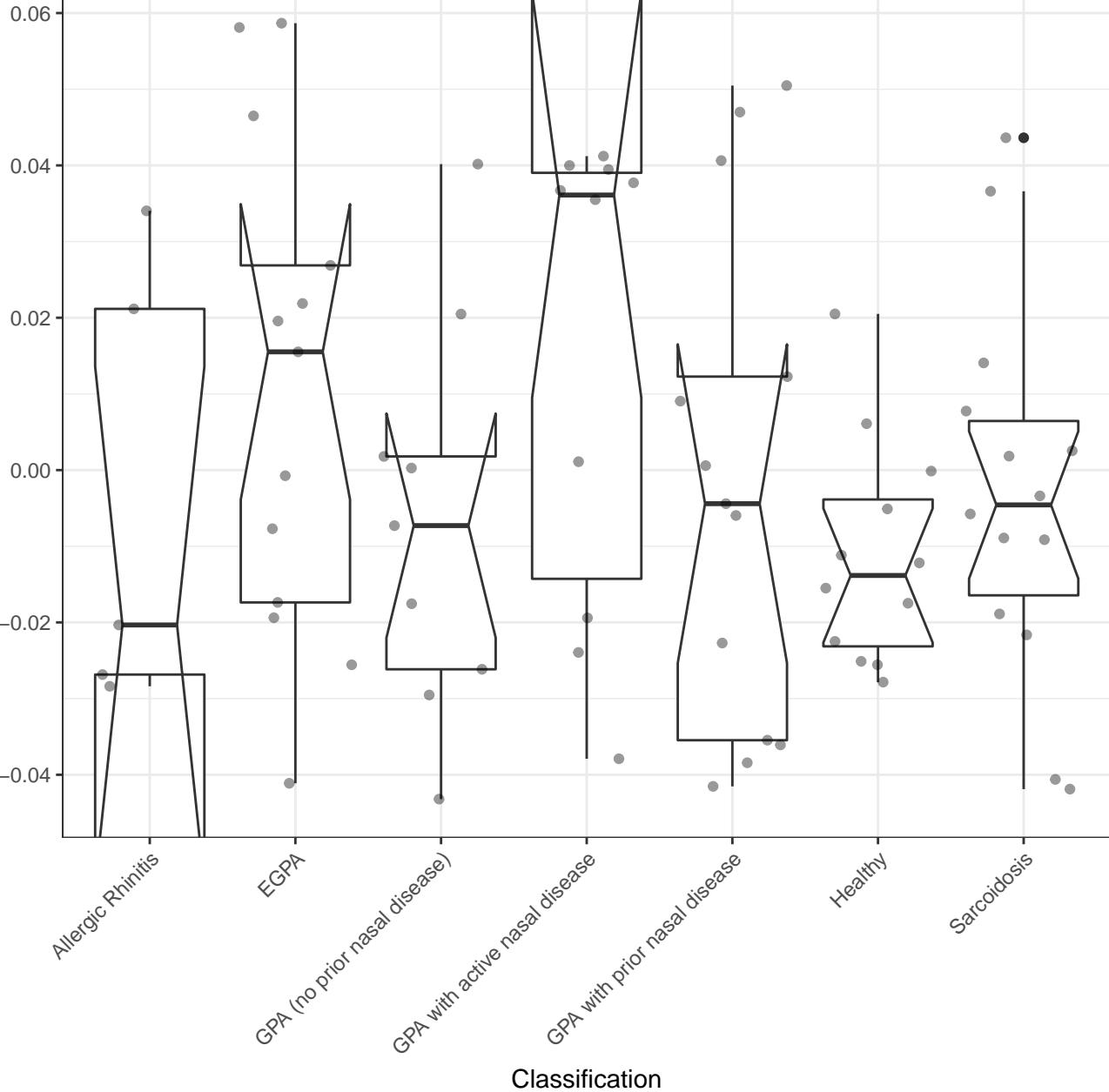
Healthy

Sarcoidosis

Classification



Value



285,REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

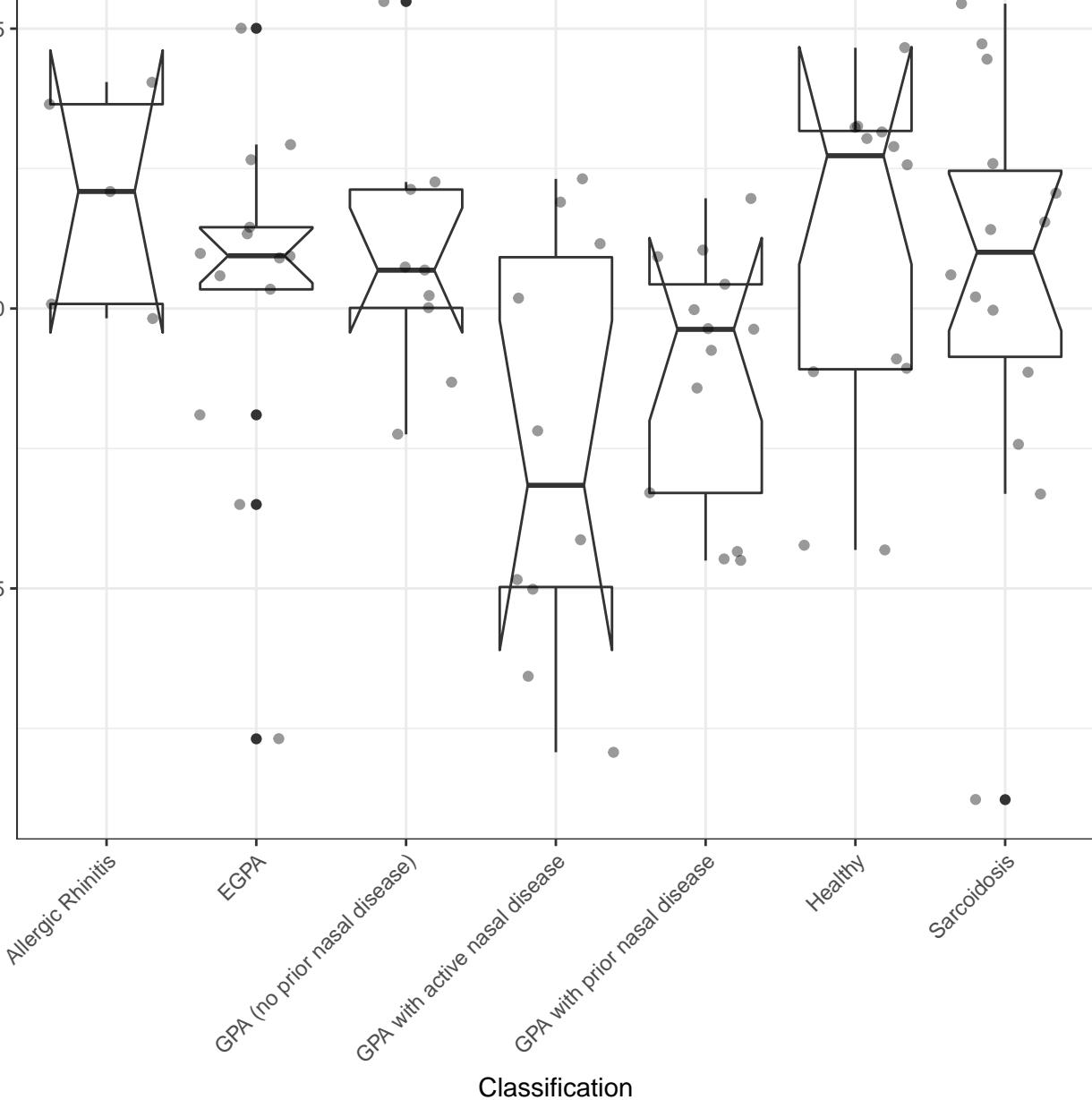
GPA with prior nasal disease

Healthy

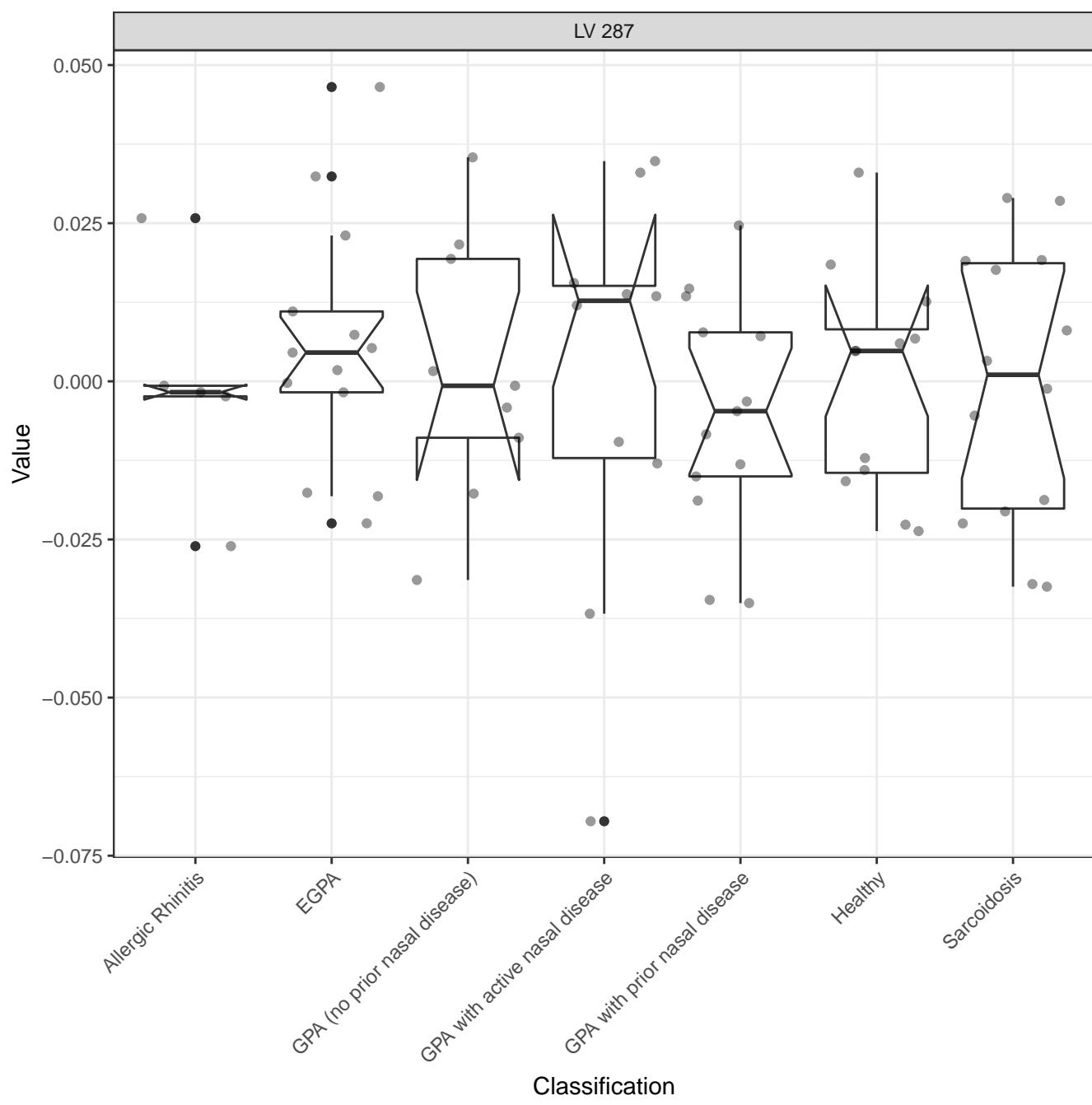
Sarcoidosis

Classification

Value



LV 287



288,REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTEORS

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 289

Value

0.06
0.03
0.00
-0.03
-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 290

Value

0.06

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

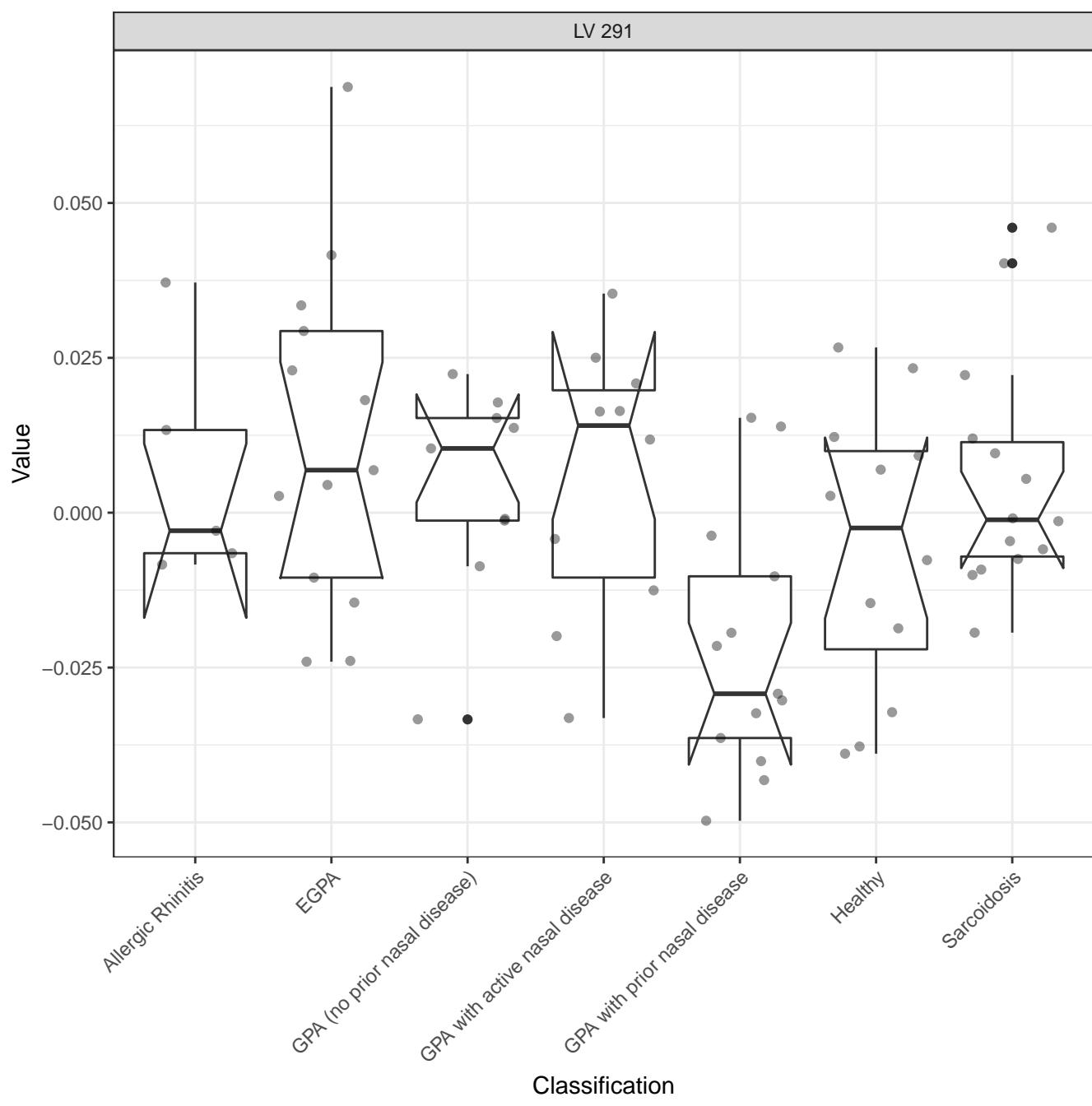
GPA with active nasal disease

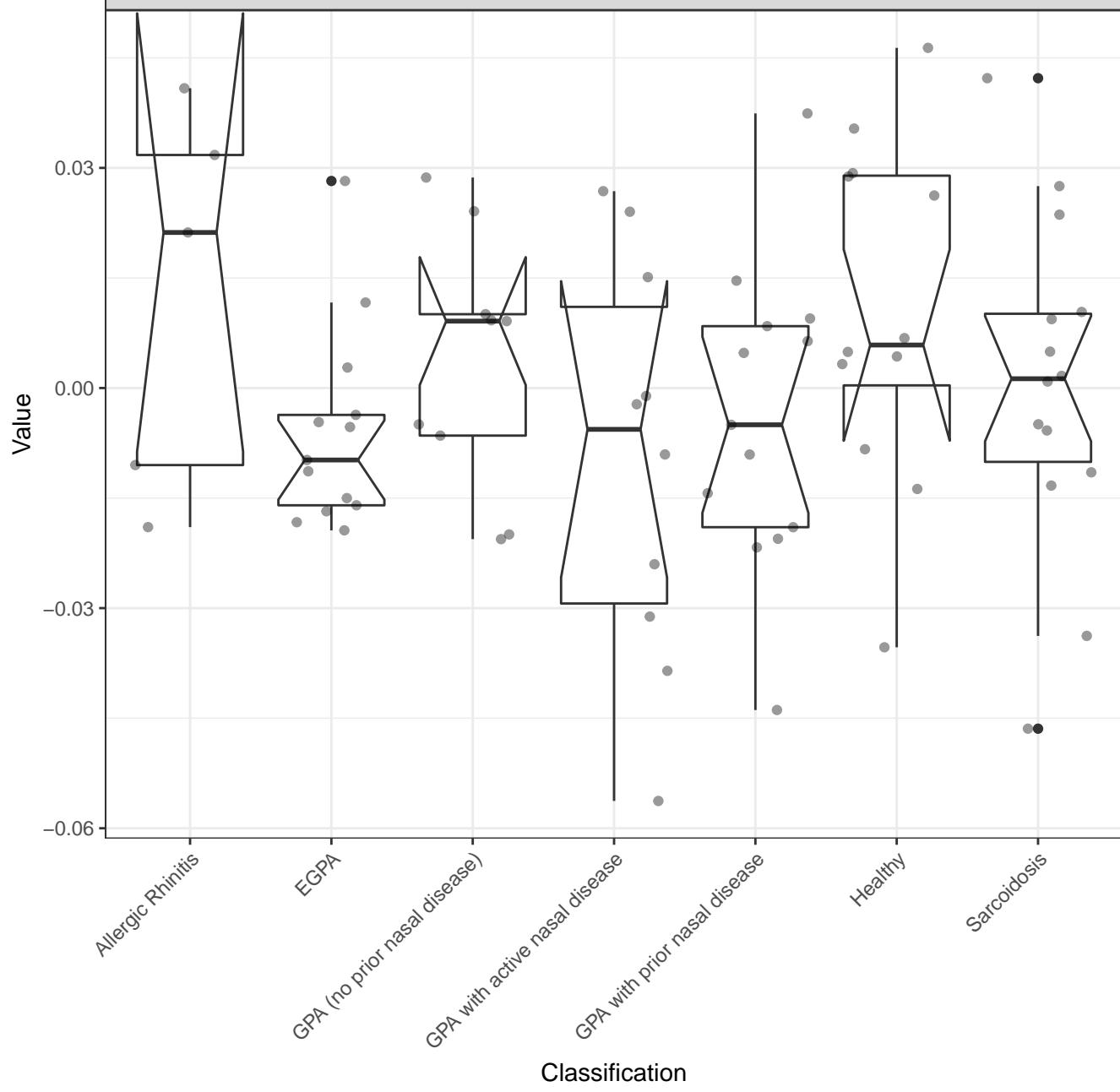
GPA with prior nasal disease

Healthy

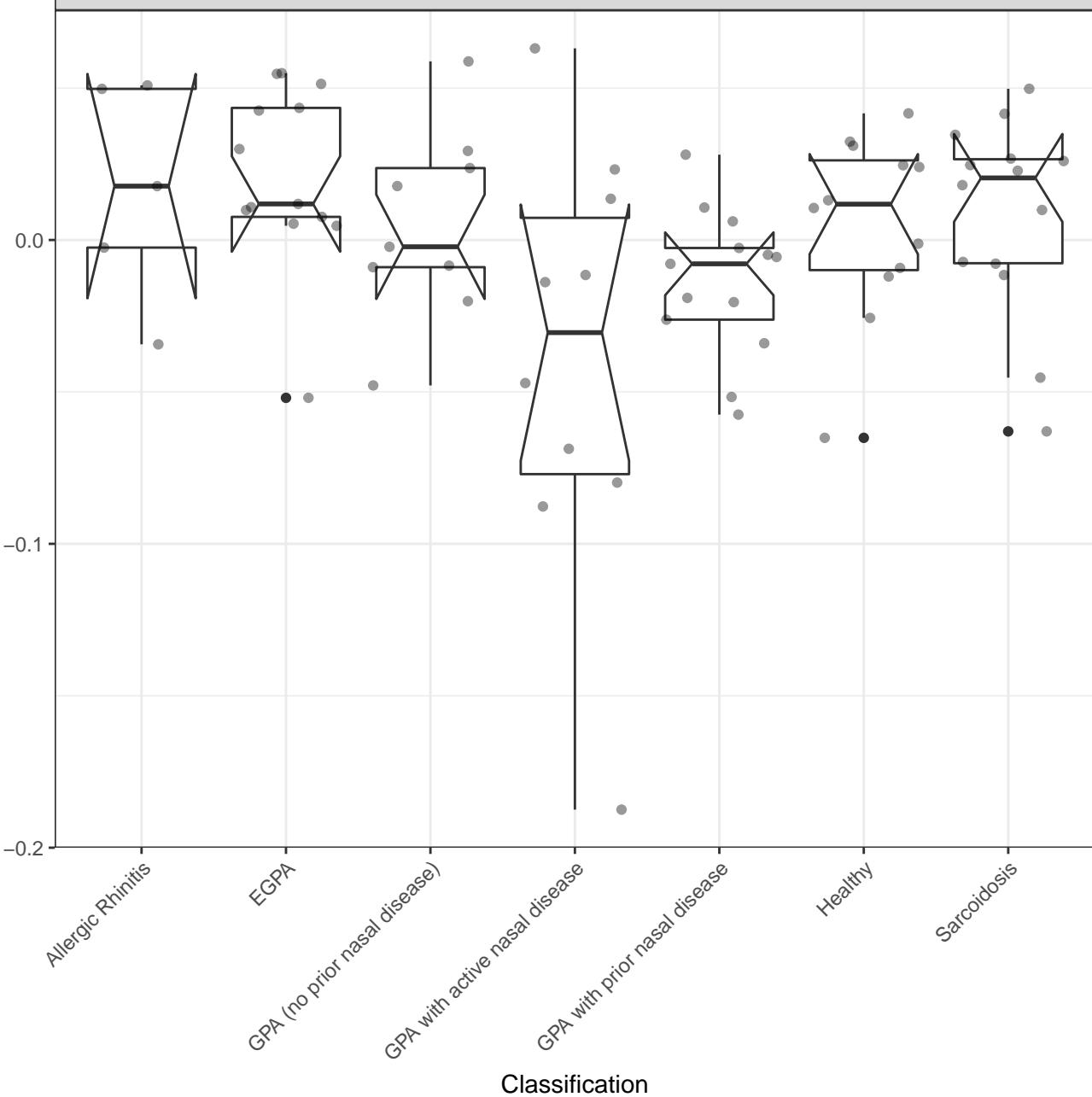
Sarcoidosis

Classification





Value



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

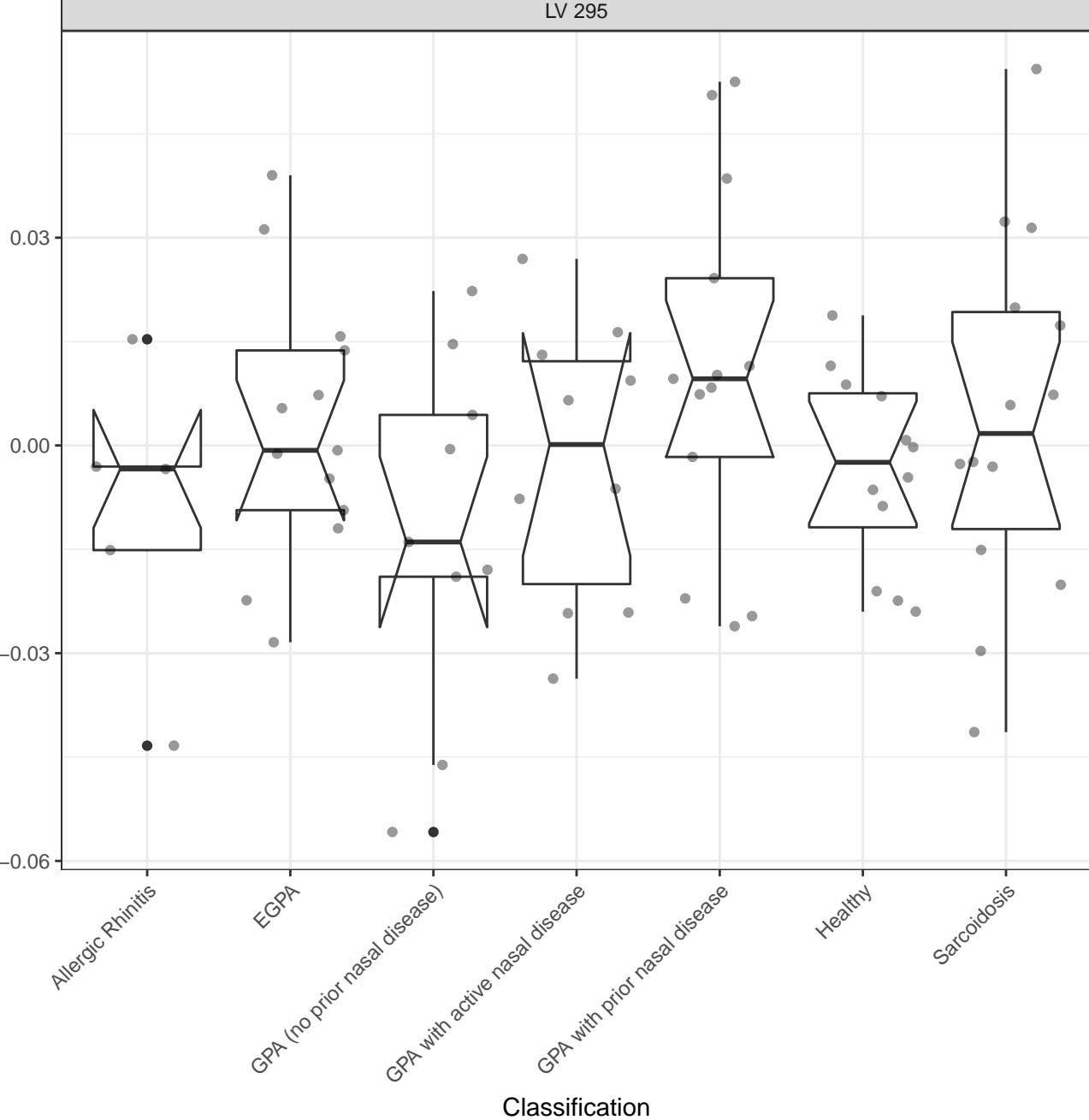
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



296,REACTOME_TELOMERE_MAINTENANCE

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

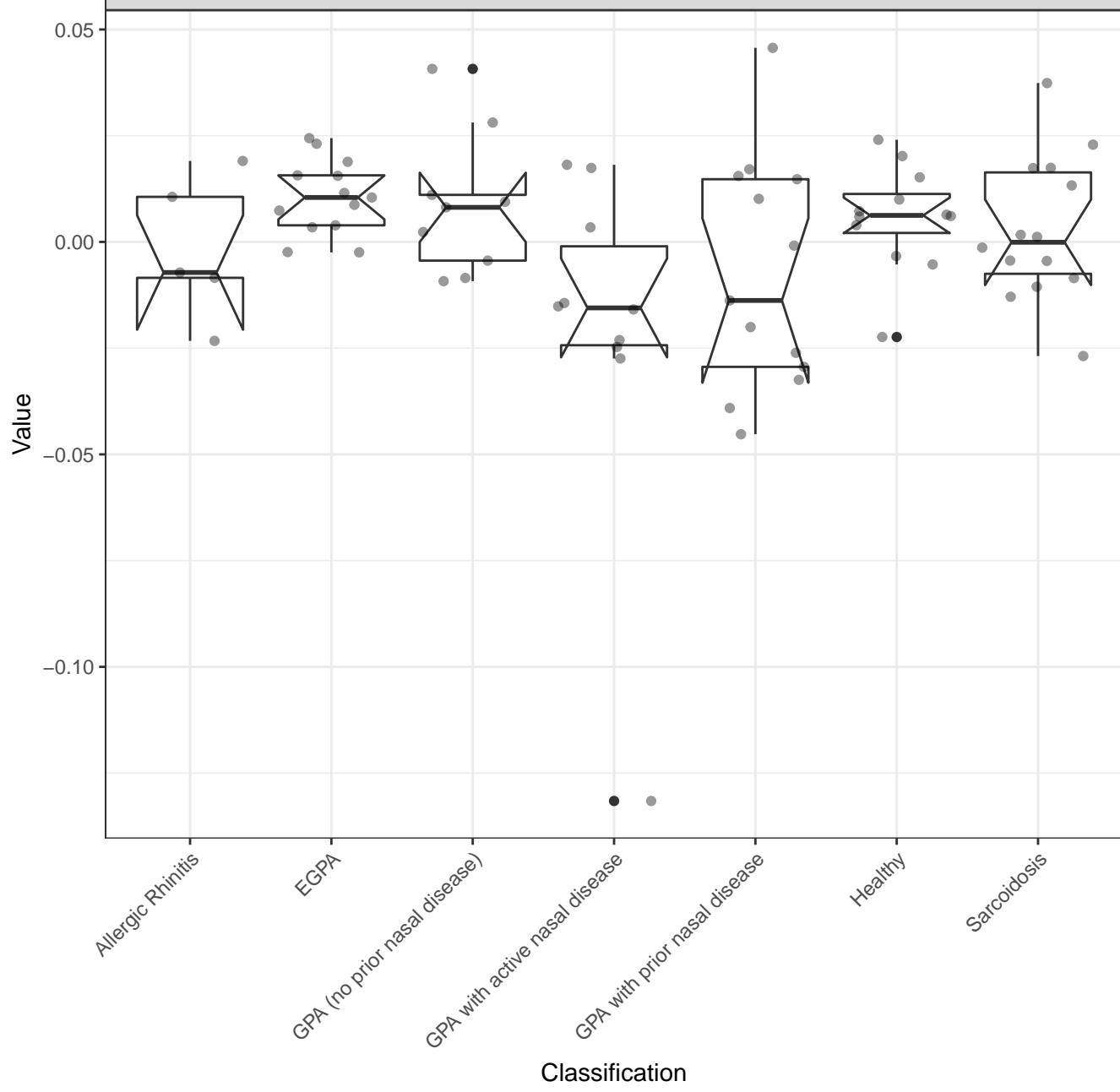
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 297



Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 299

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

300,REACTOME_REGULATION_OF_APOPTOSIS

Value

0.0

-0.1

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

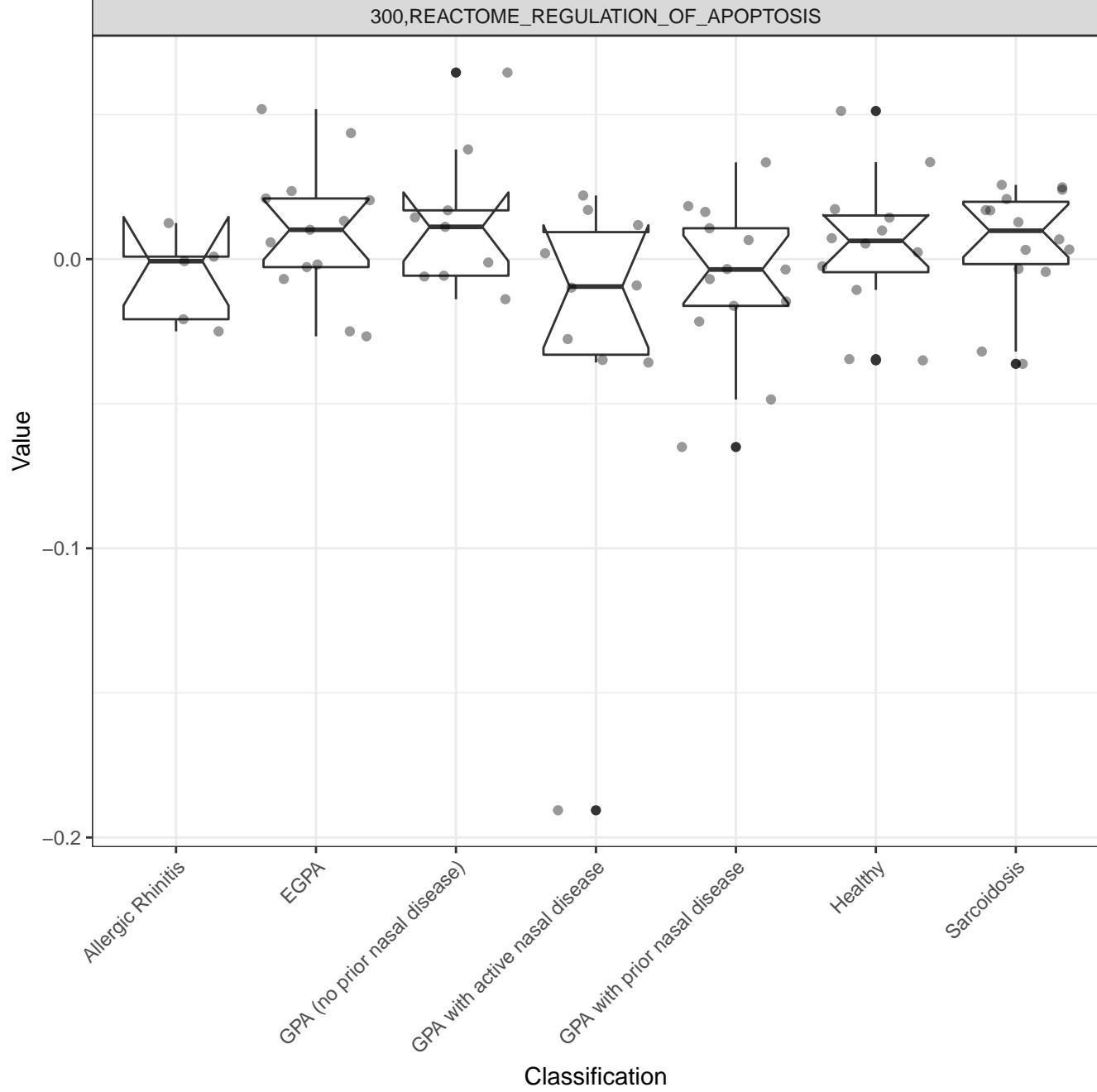
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

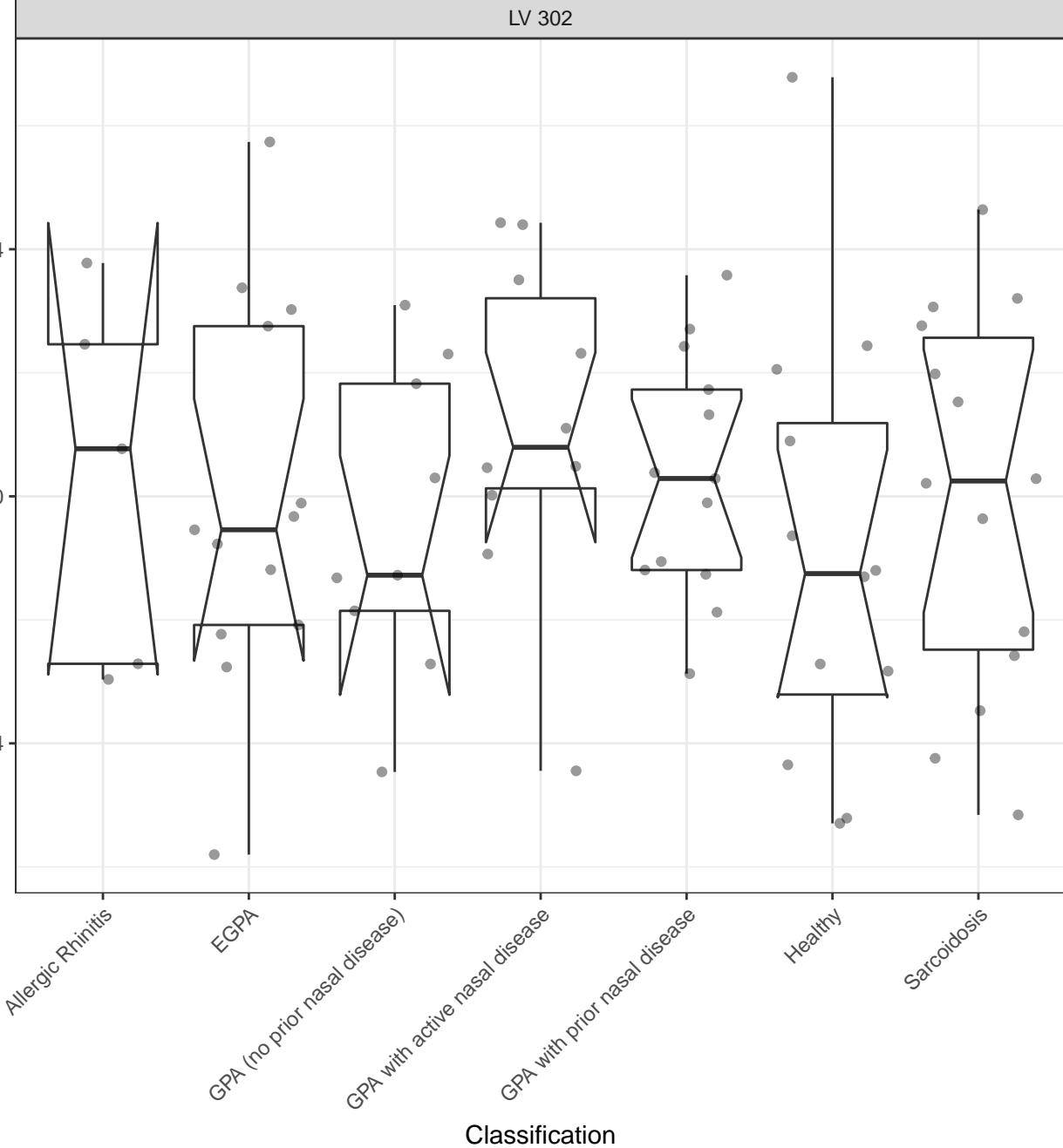
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 304

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

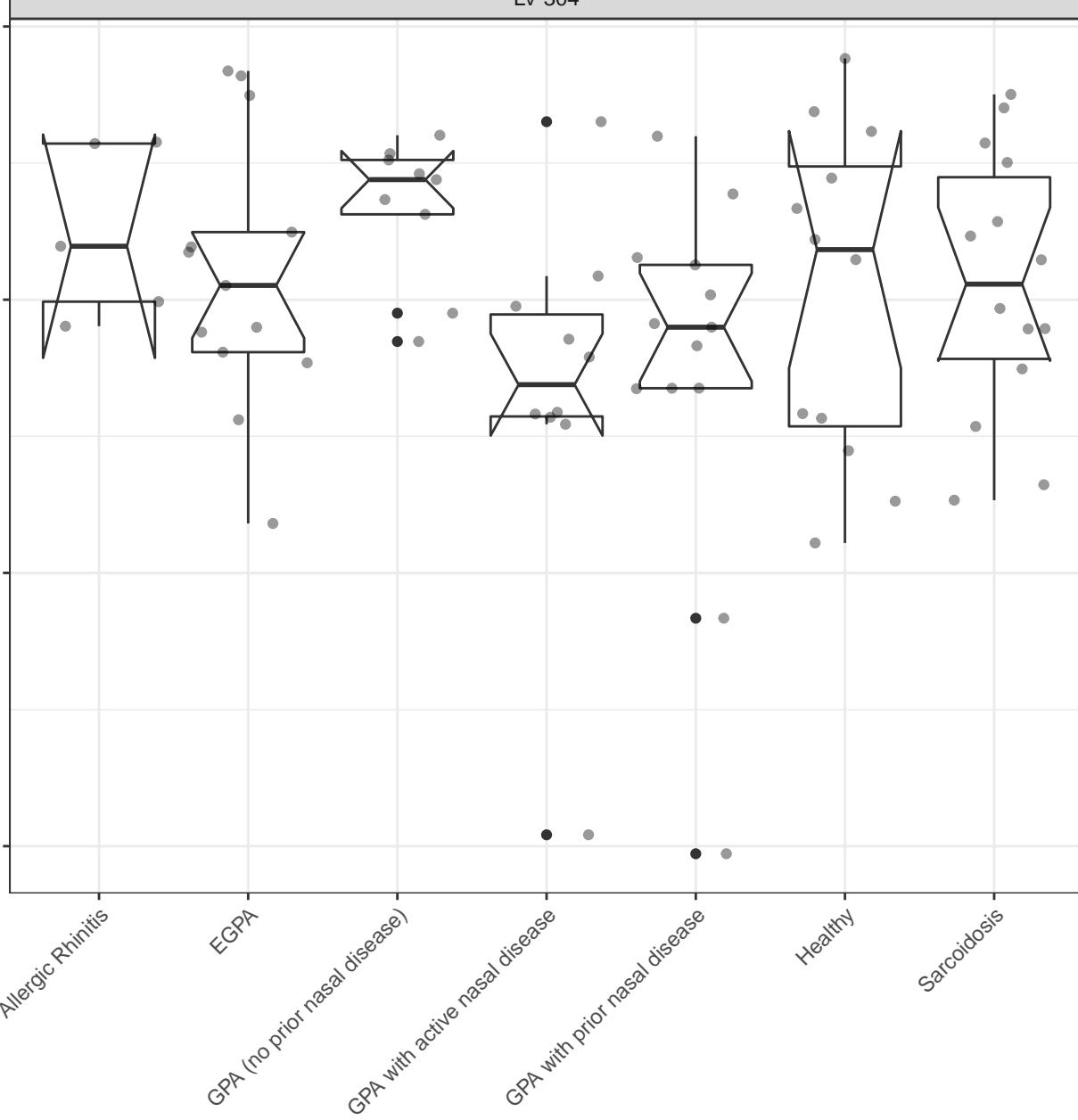
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

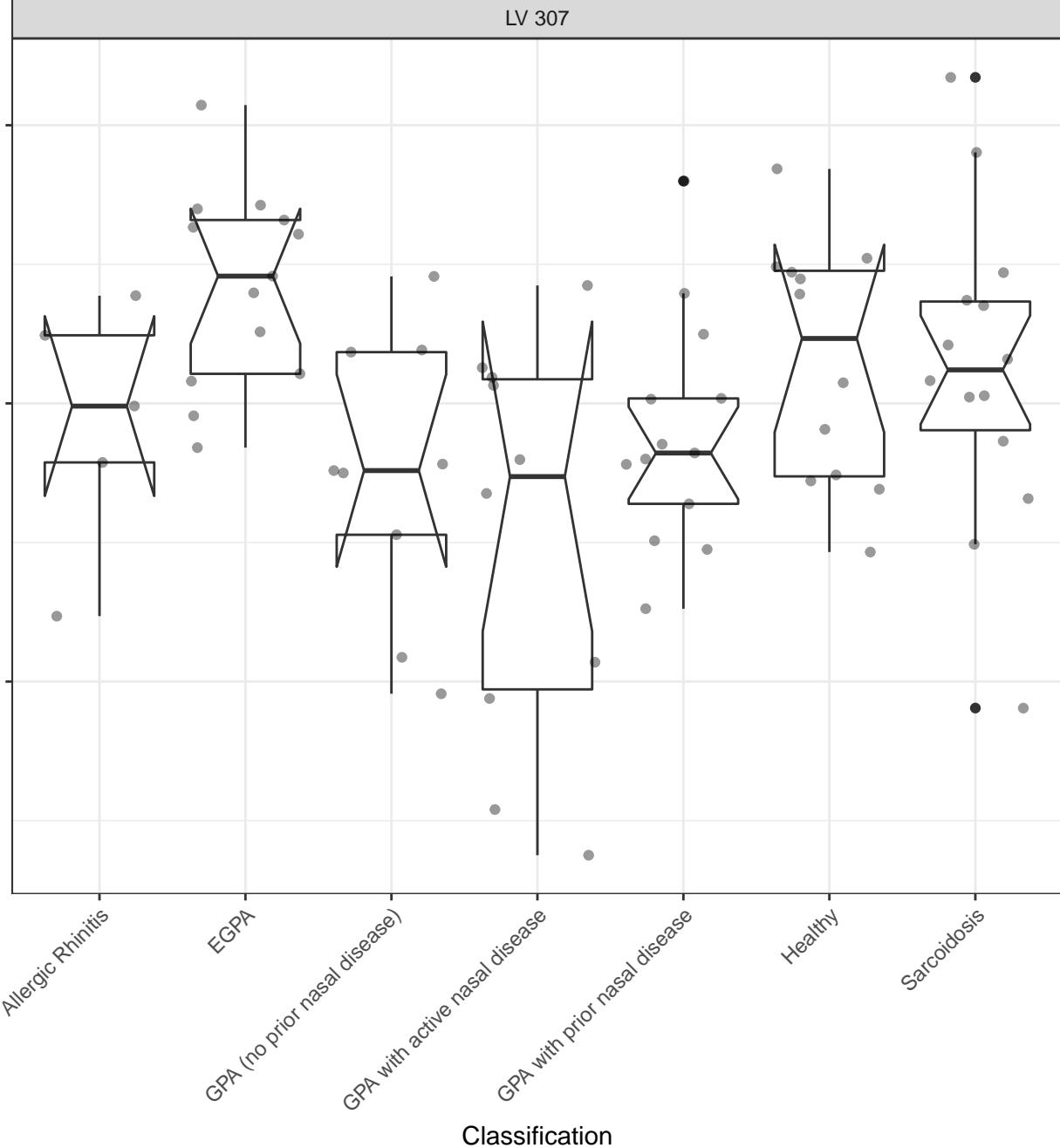
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

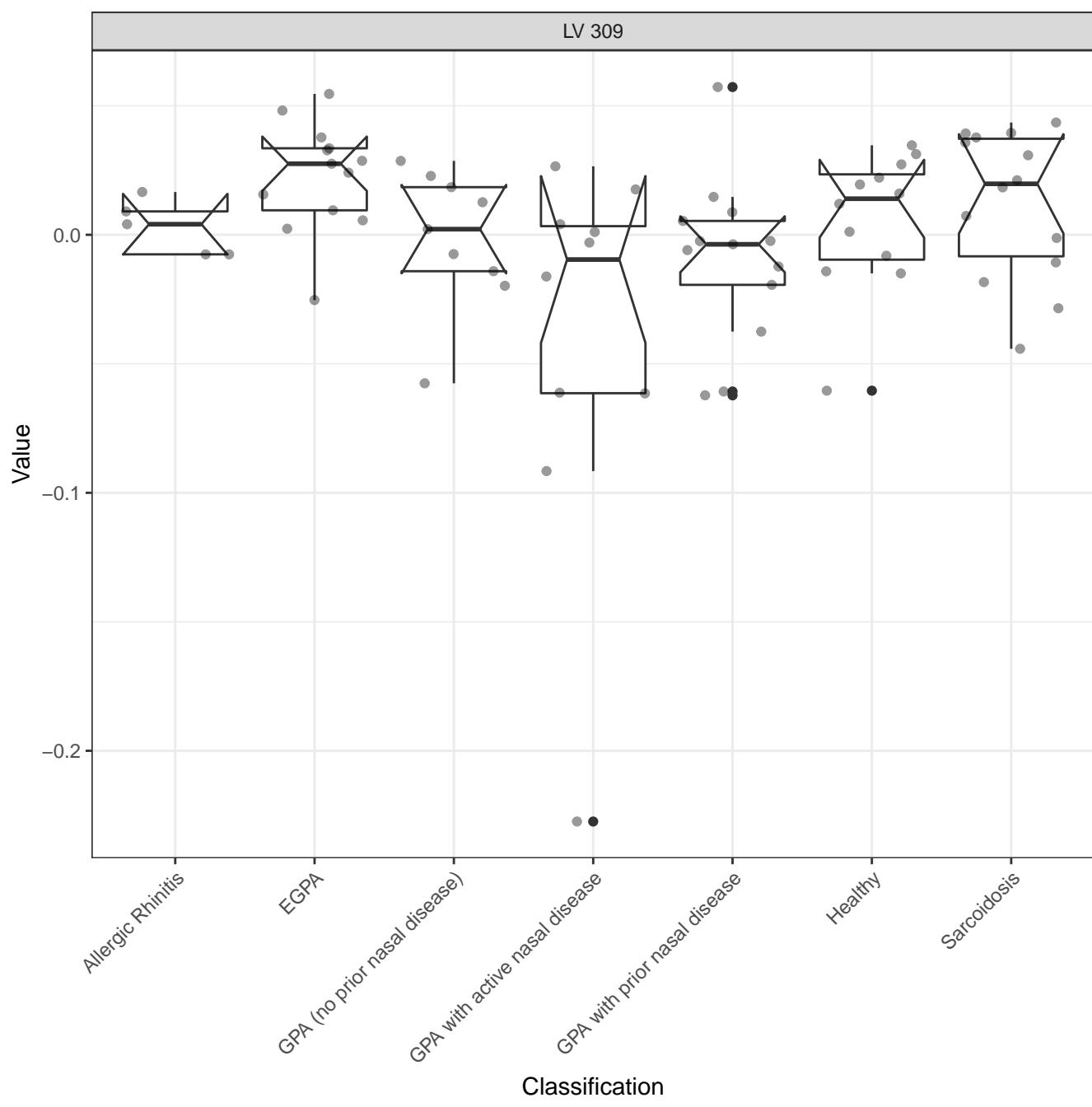
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

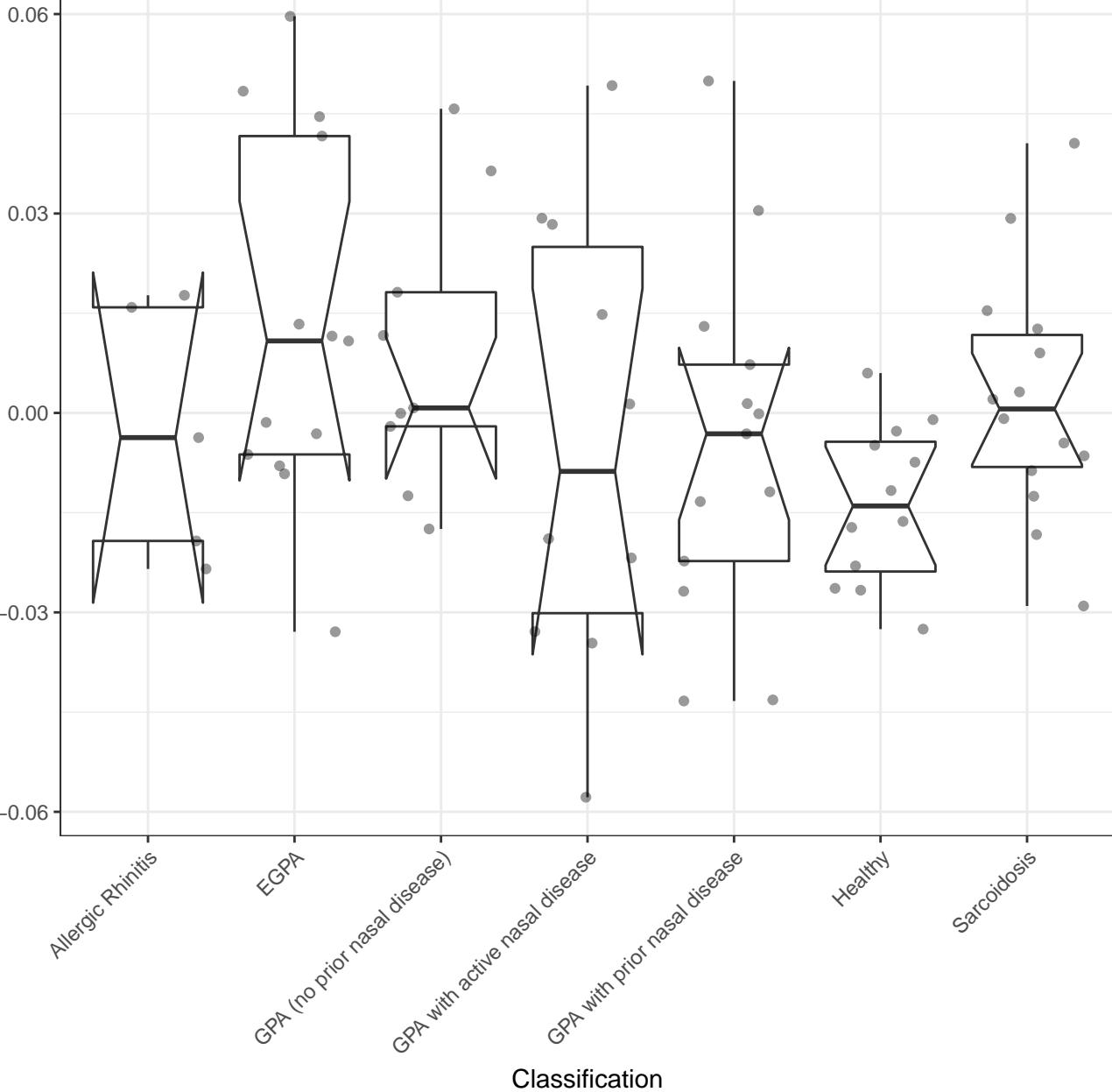
GPA with prior nasal disease

Healthy

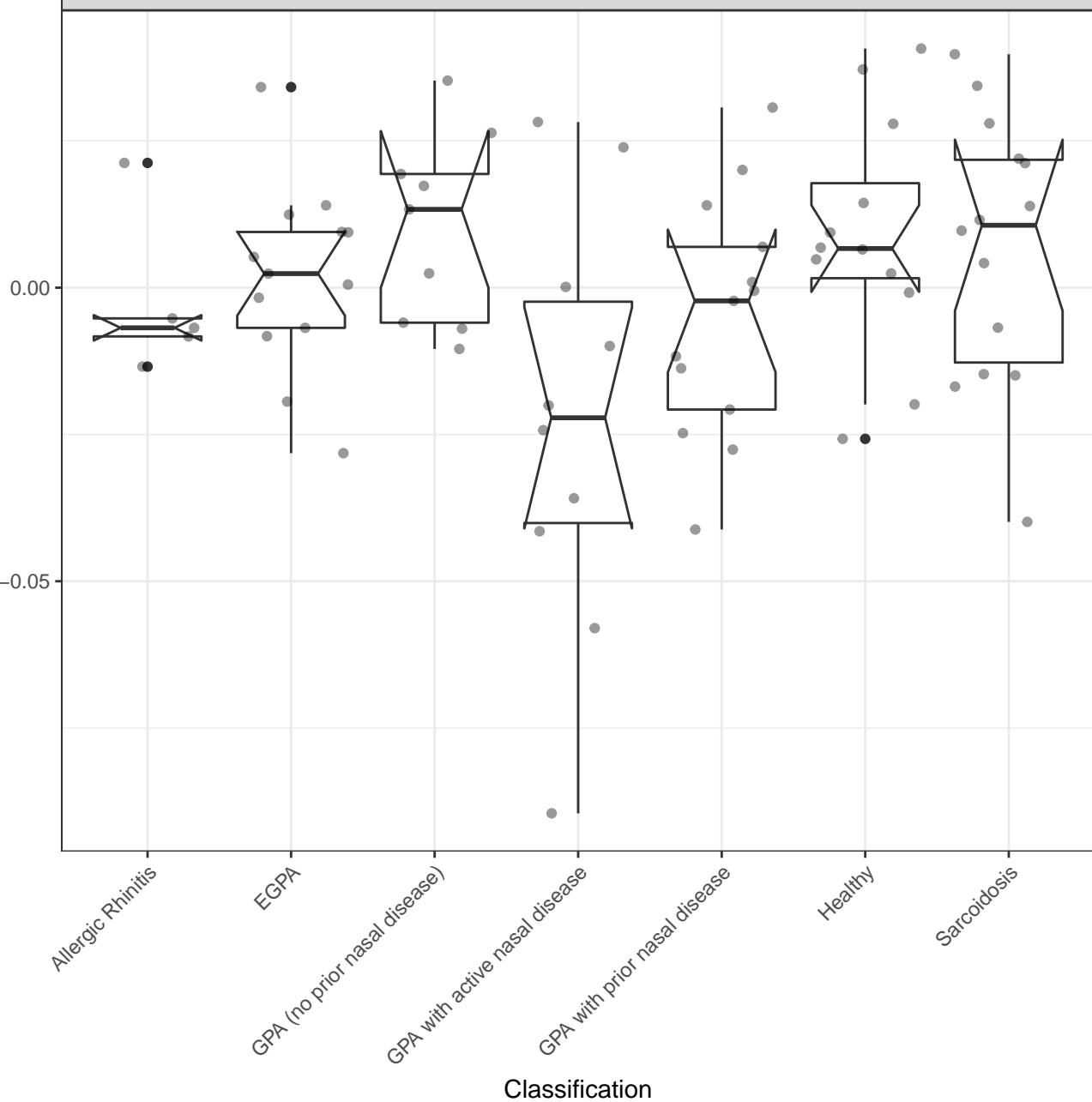
Sarcoidosis

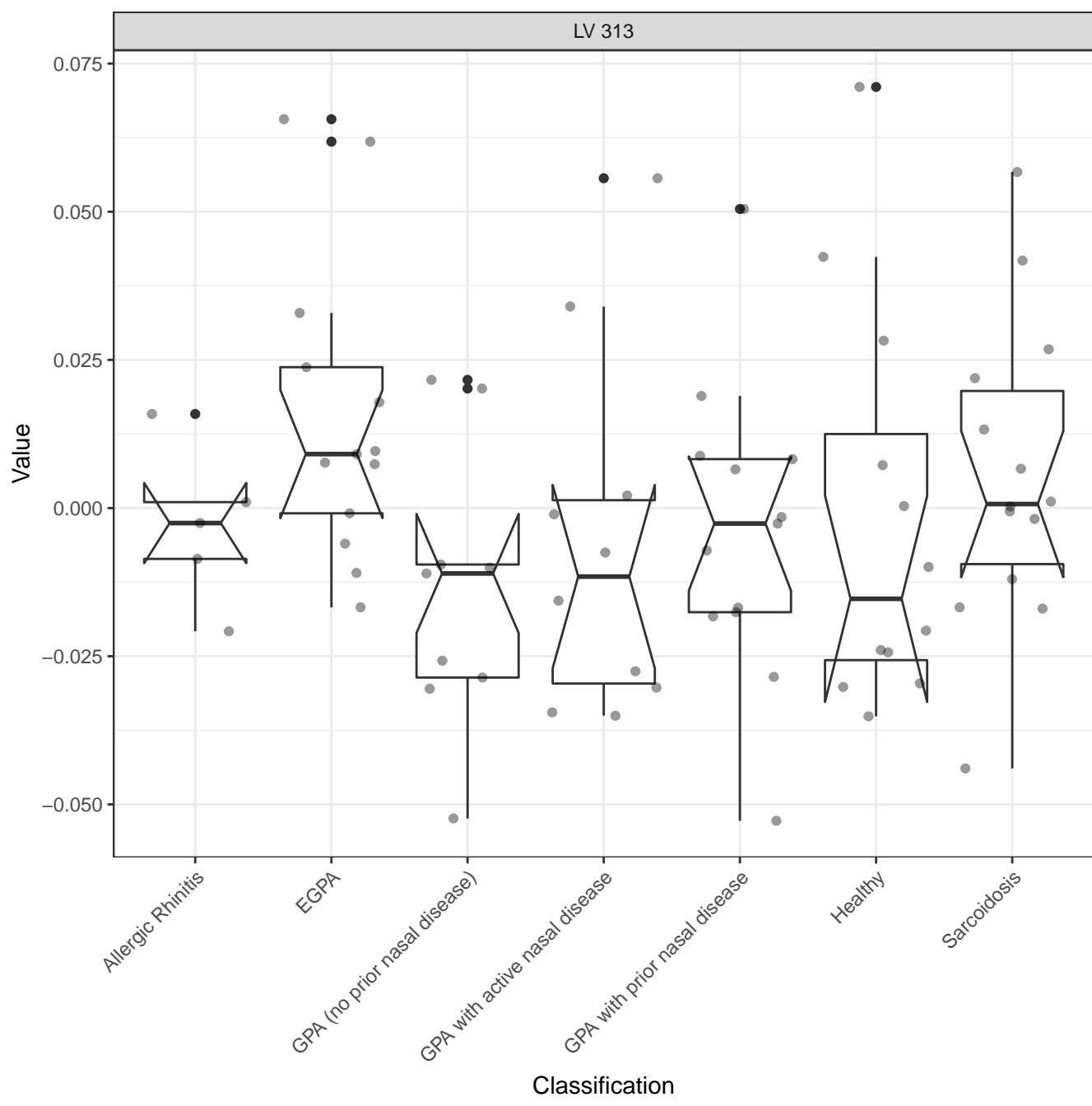
Classification

Value



Value





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

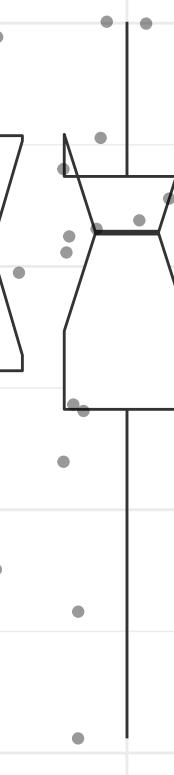
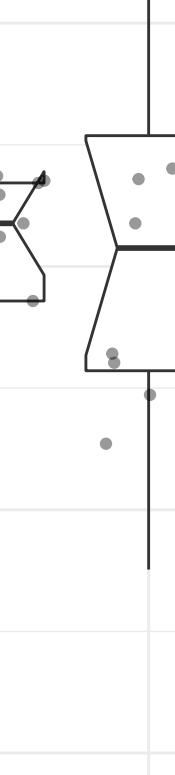
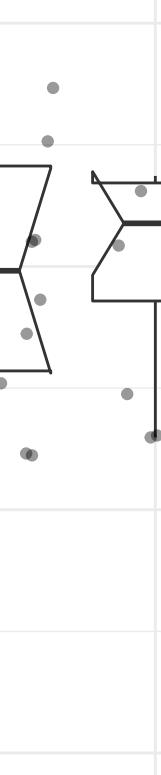
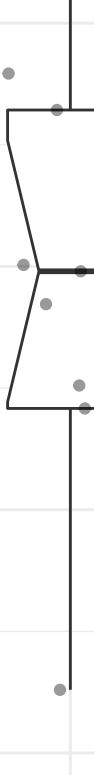
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

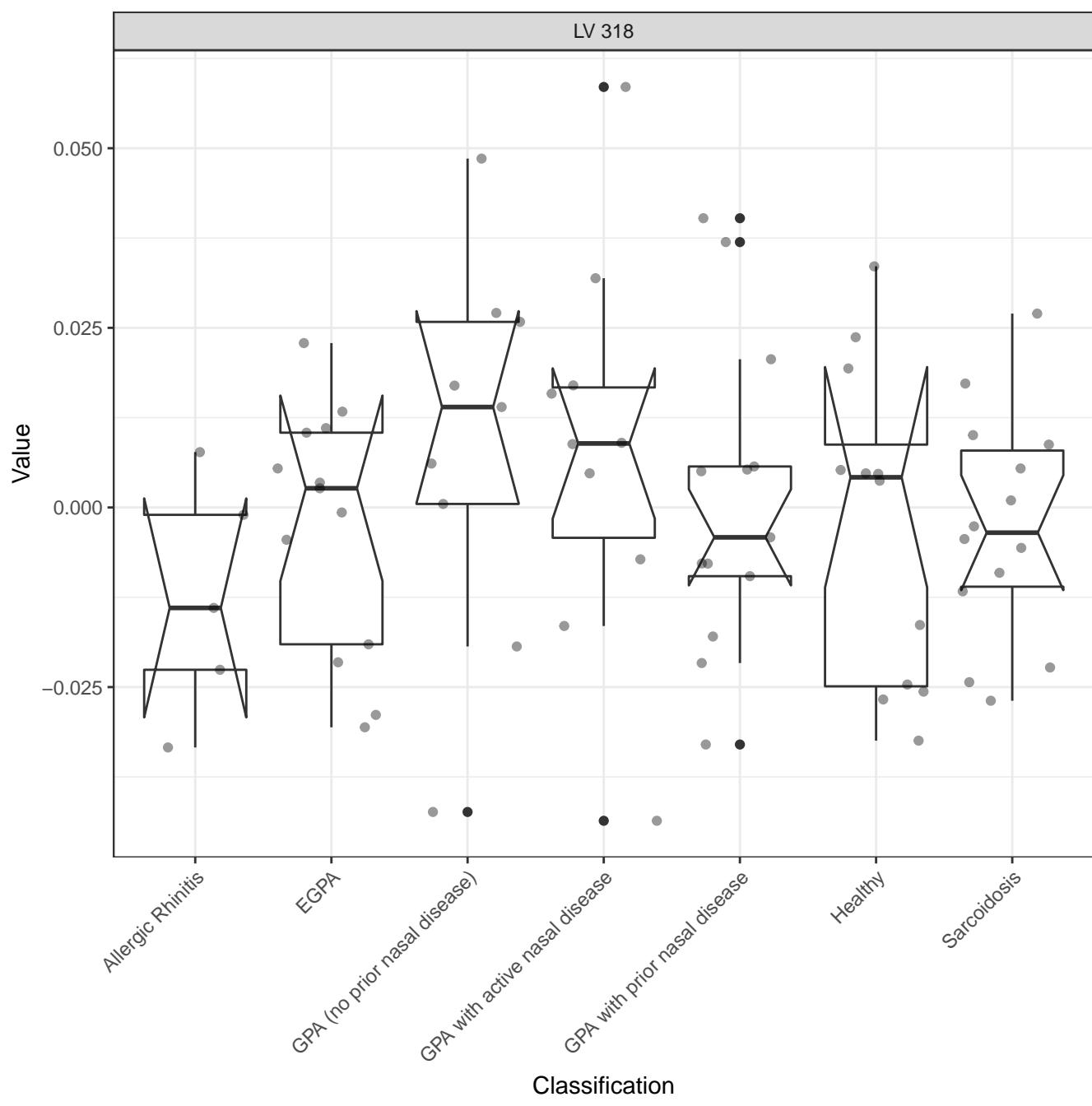
GPA with active nasal disease

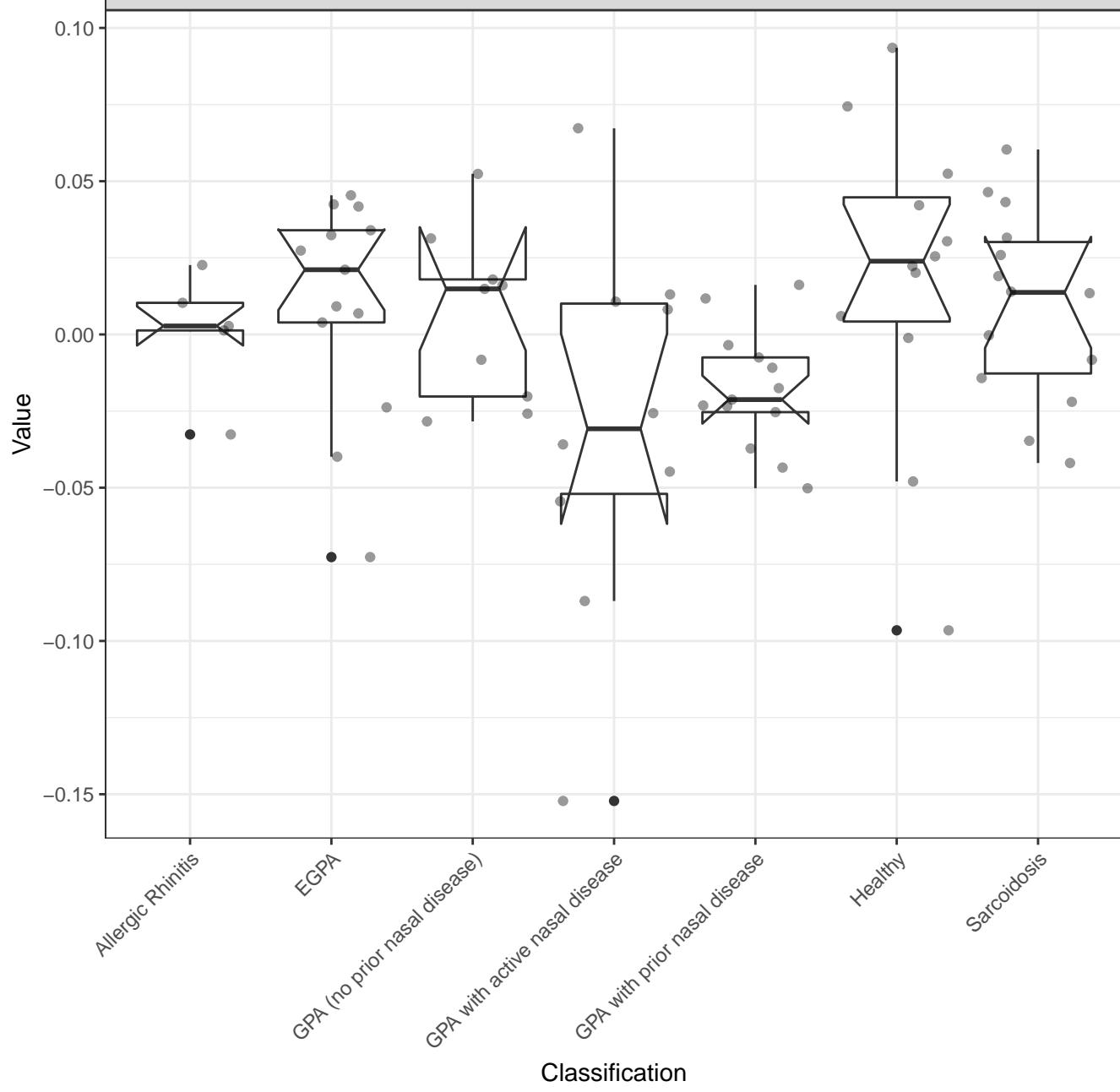
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

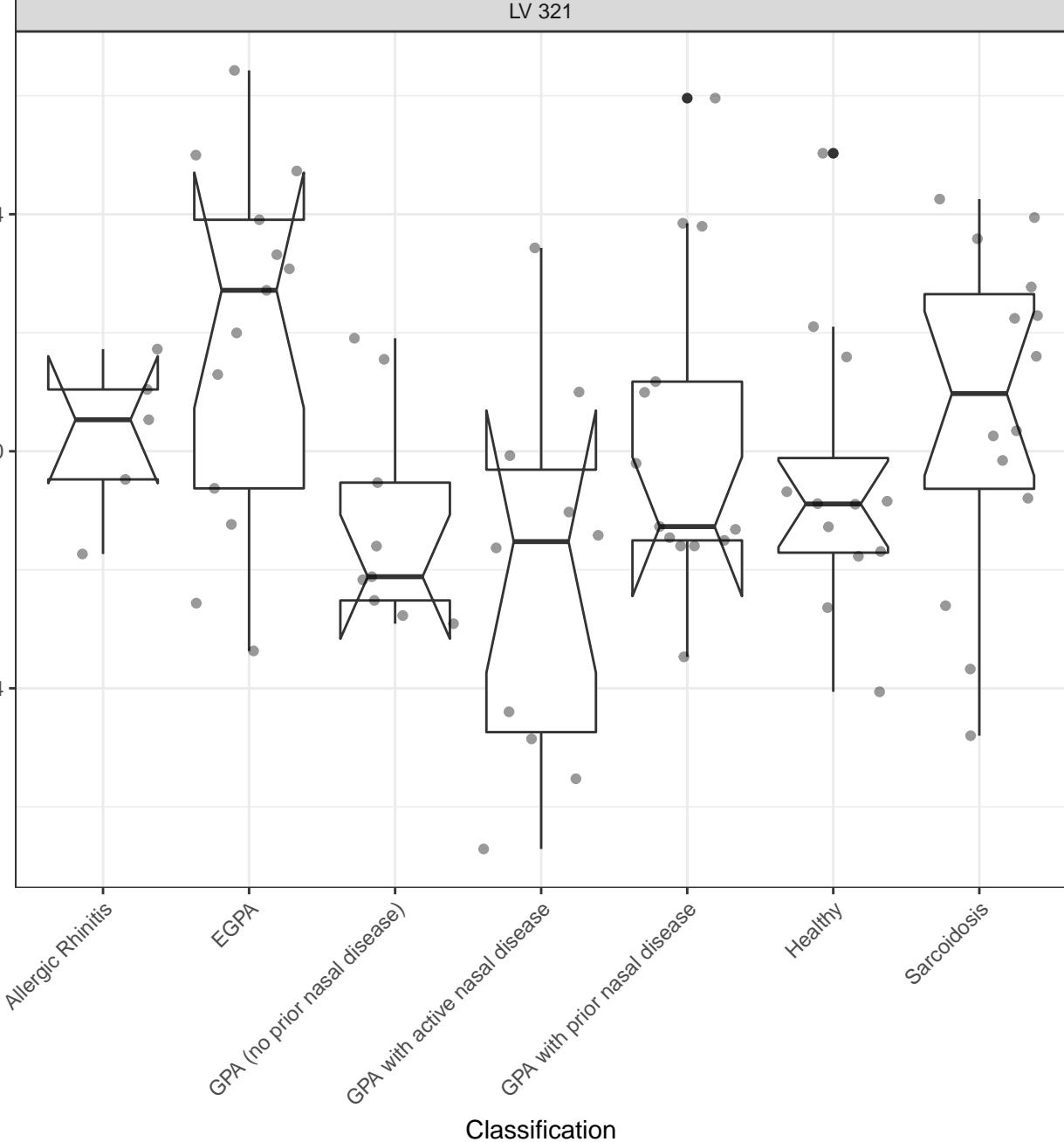
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

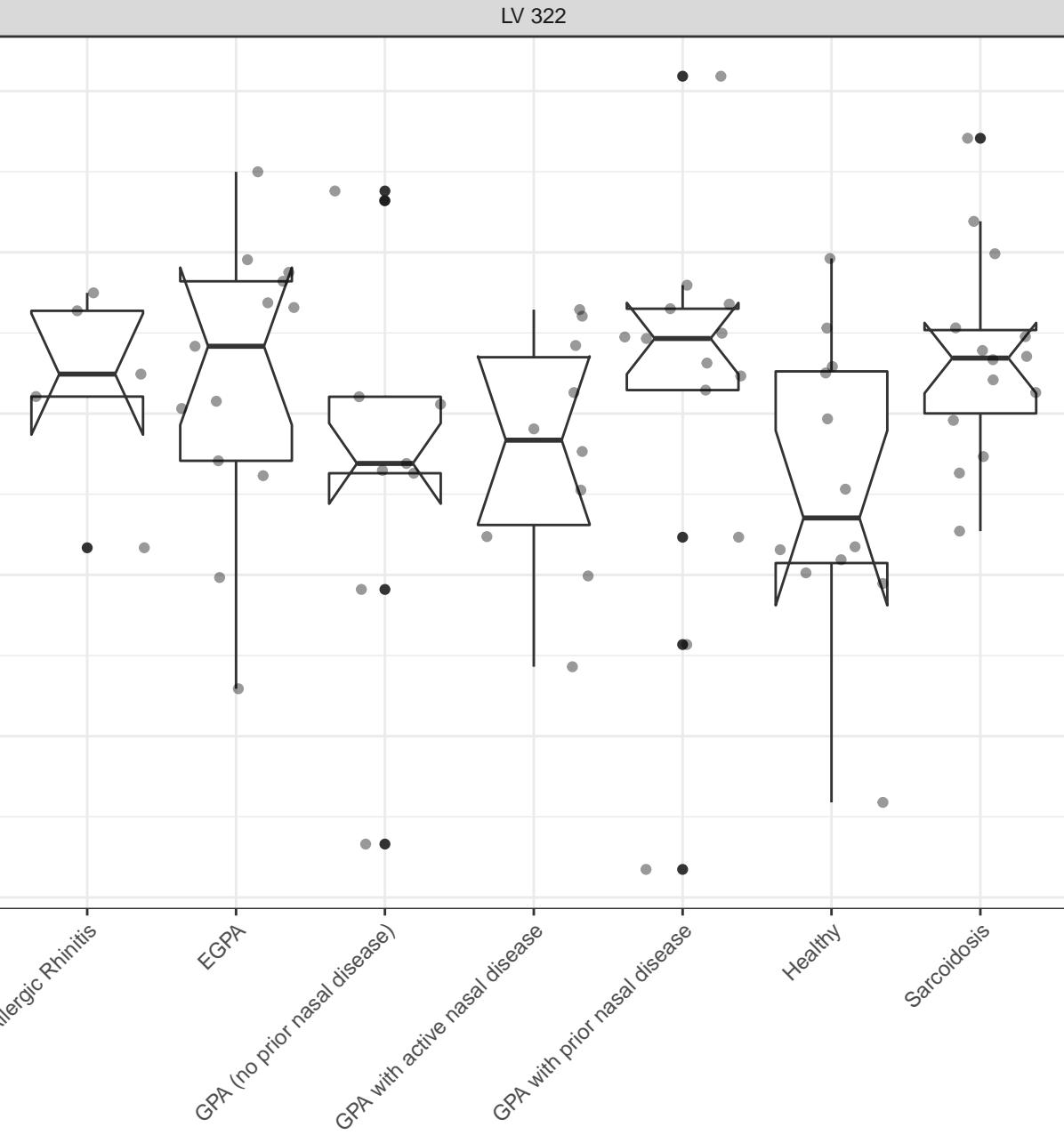


Value

0.04
0.02
0.00
-0.02
-0.04
-0.06

Allergic Rhinitis EGPA GPA (no prior nasal disease)
GPA with active nasal disease GPA with prior nasal disease Healthy Sarcoidosis

Classification



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA

with prior nasal disease

Healthy

Sarcoidosis

Classification

0.025

0.000

-0.025

-0.050

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

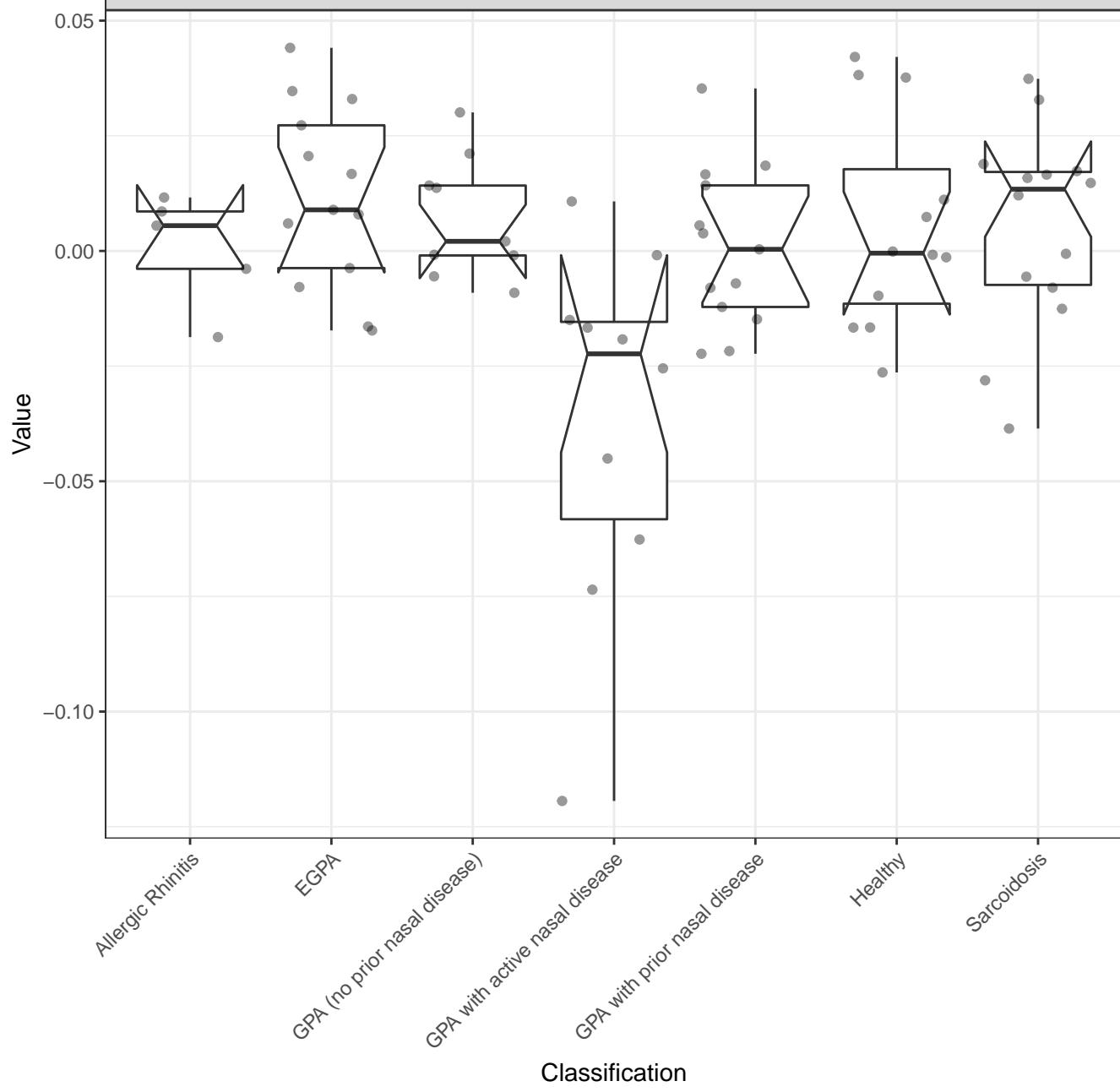
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 325



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

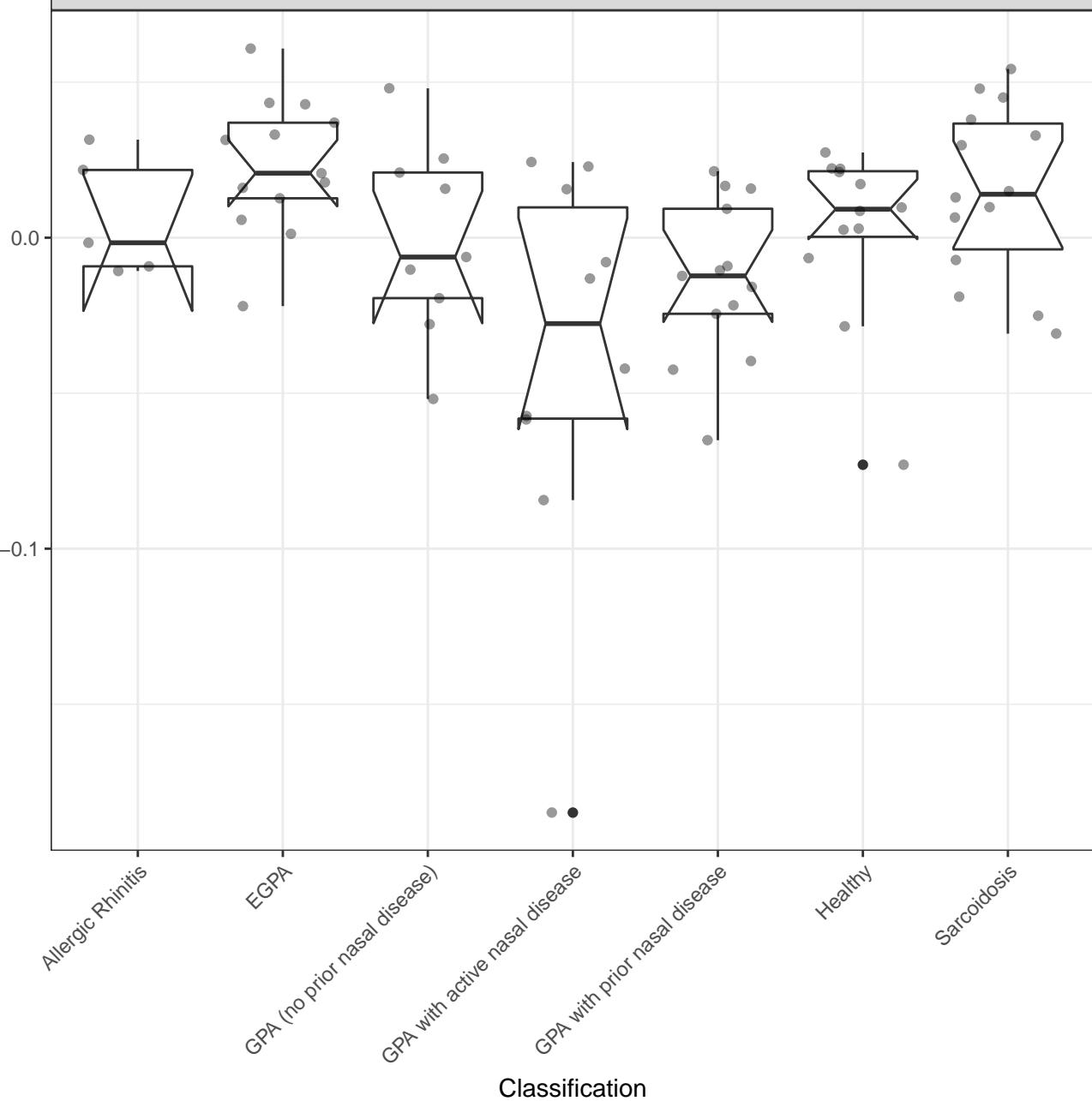
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

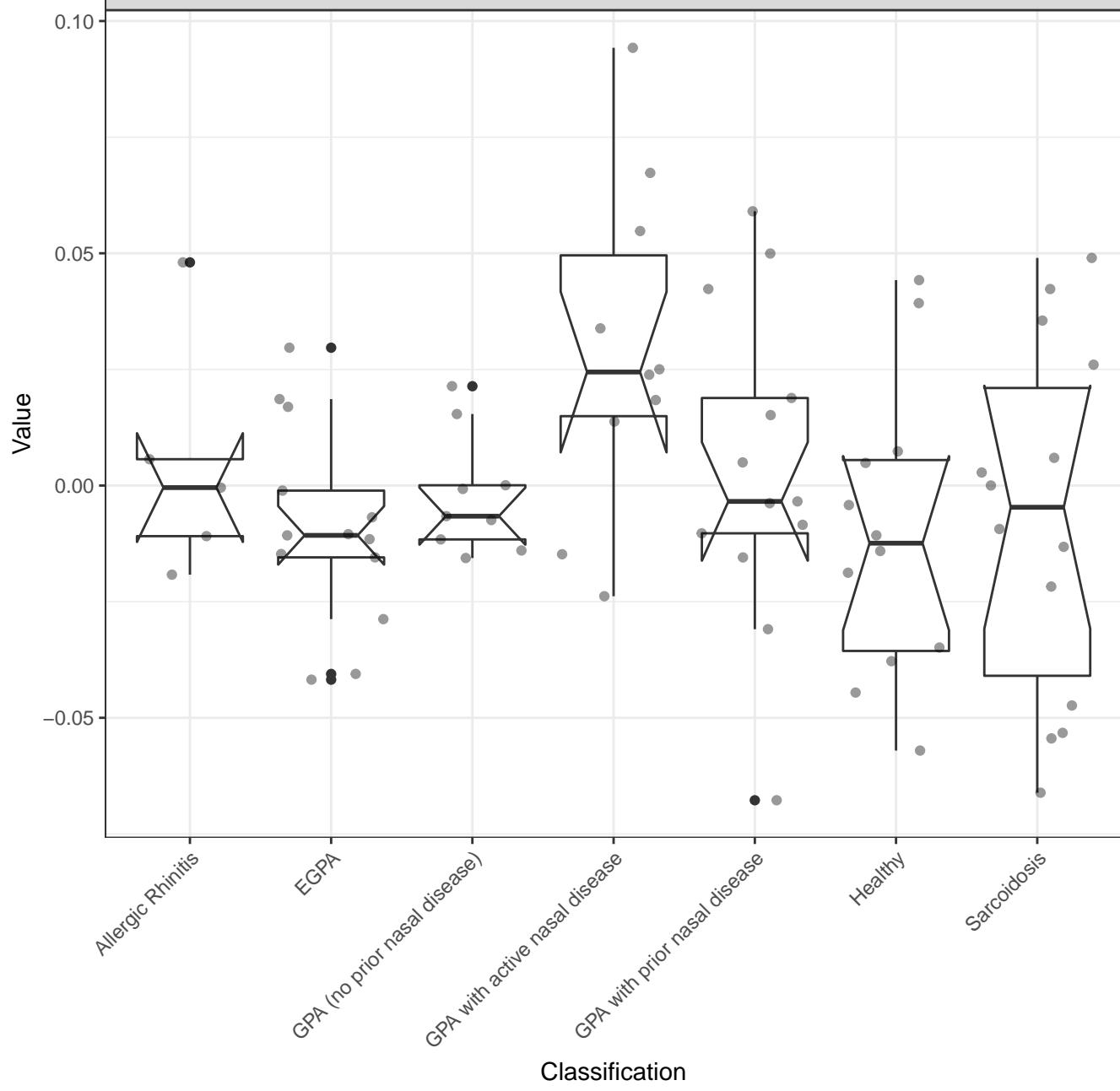
GPA with prior nasal disease

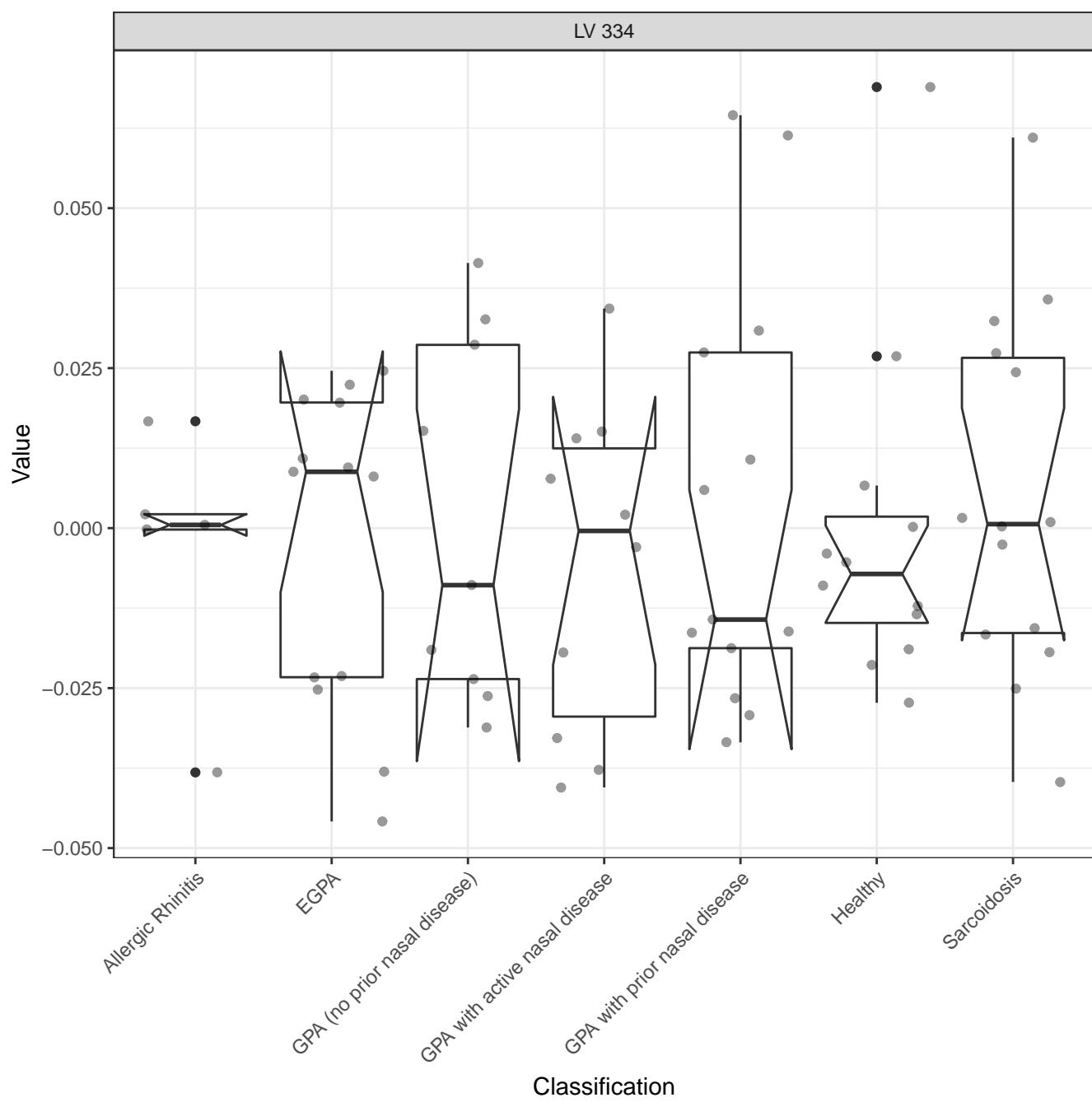
Healthy

Sarcoidosis

Classification

LV 333





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

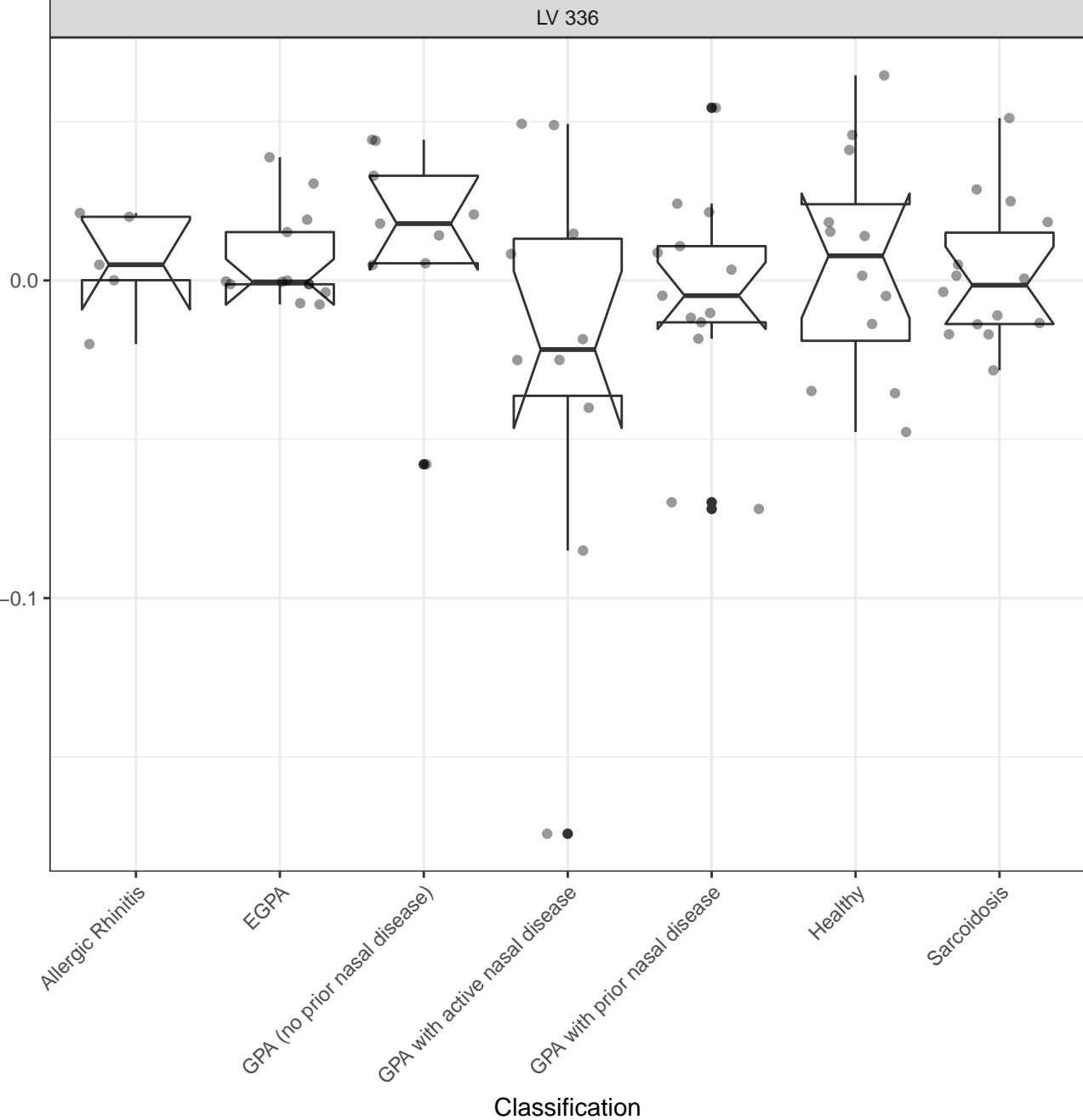
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



LV 337

Value

0.05

0.01

-0.05

-0.10

-0.15

-0.20

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

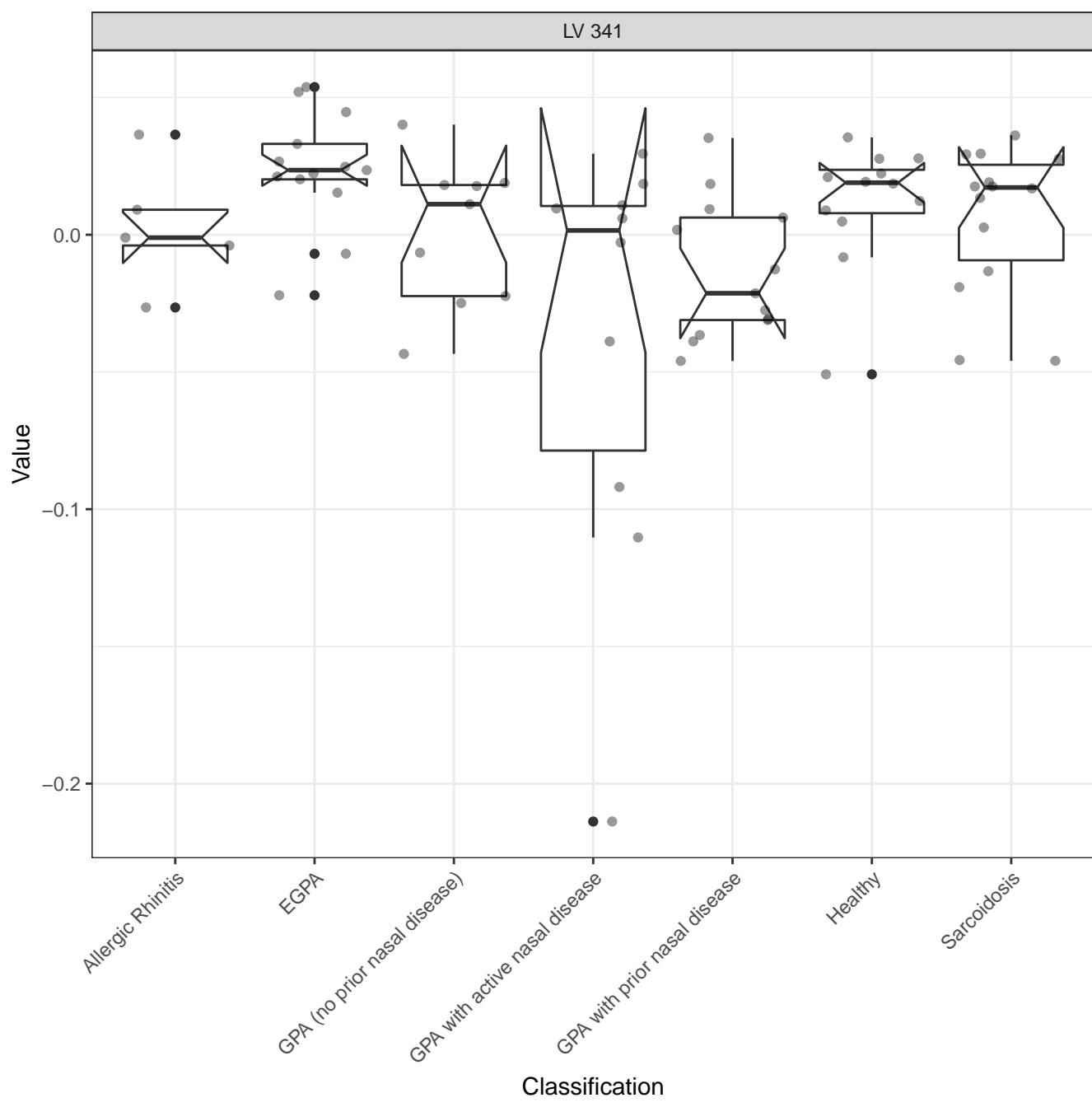
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

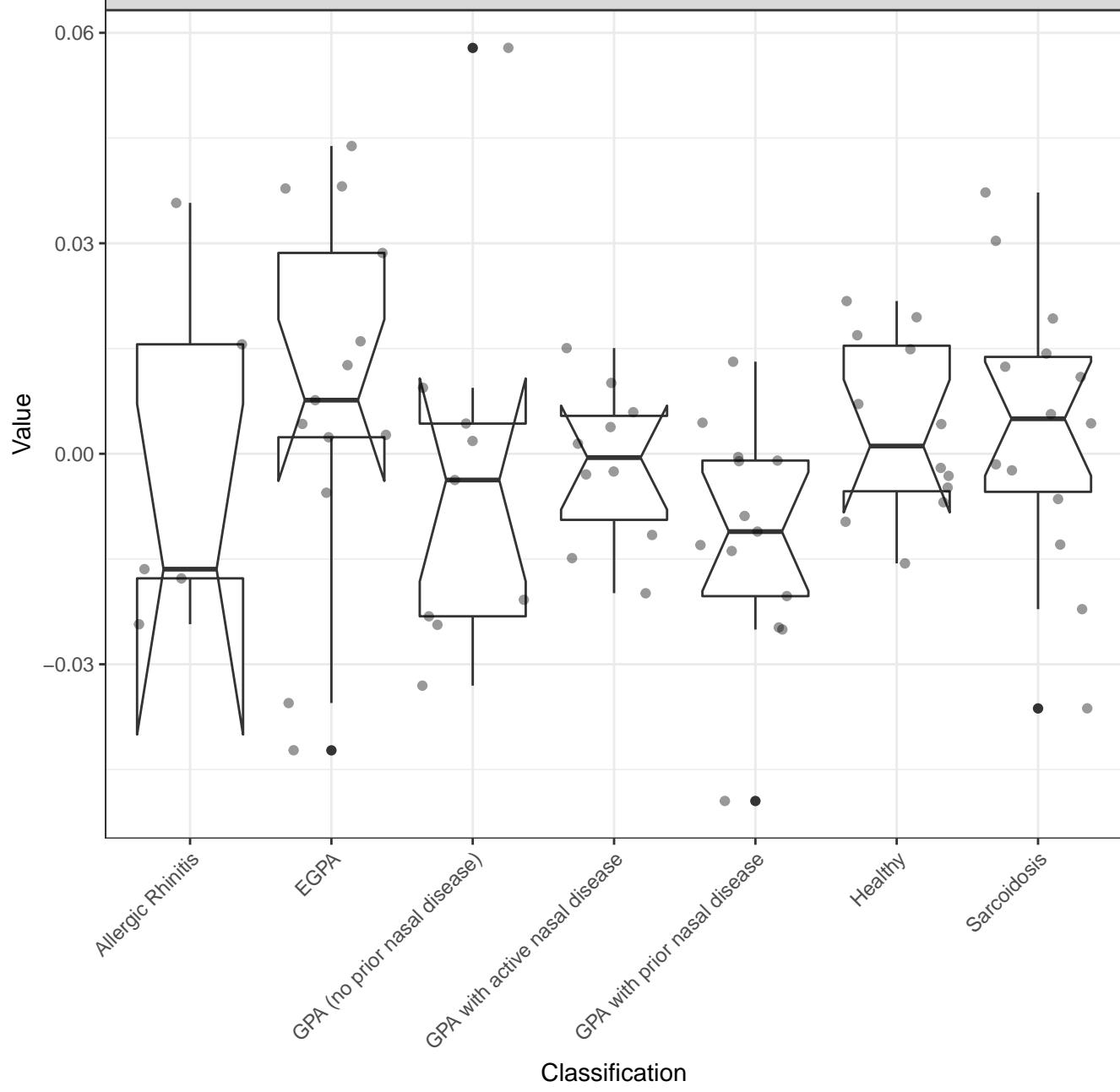


Value

0.025
0.000
-0.025
-0.050

Allergic Rhinitis EGPA GPA (no prior nasal disease) GPA with active nasal disease GPA with prior nasal disease Healthy Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

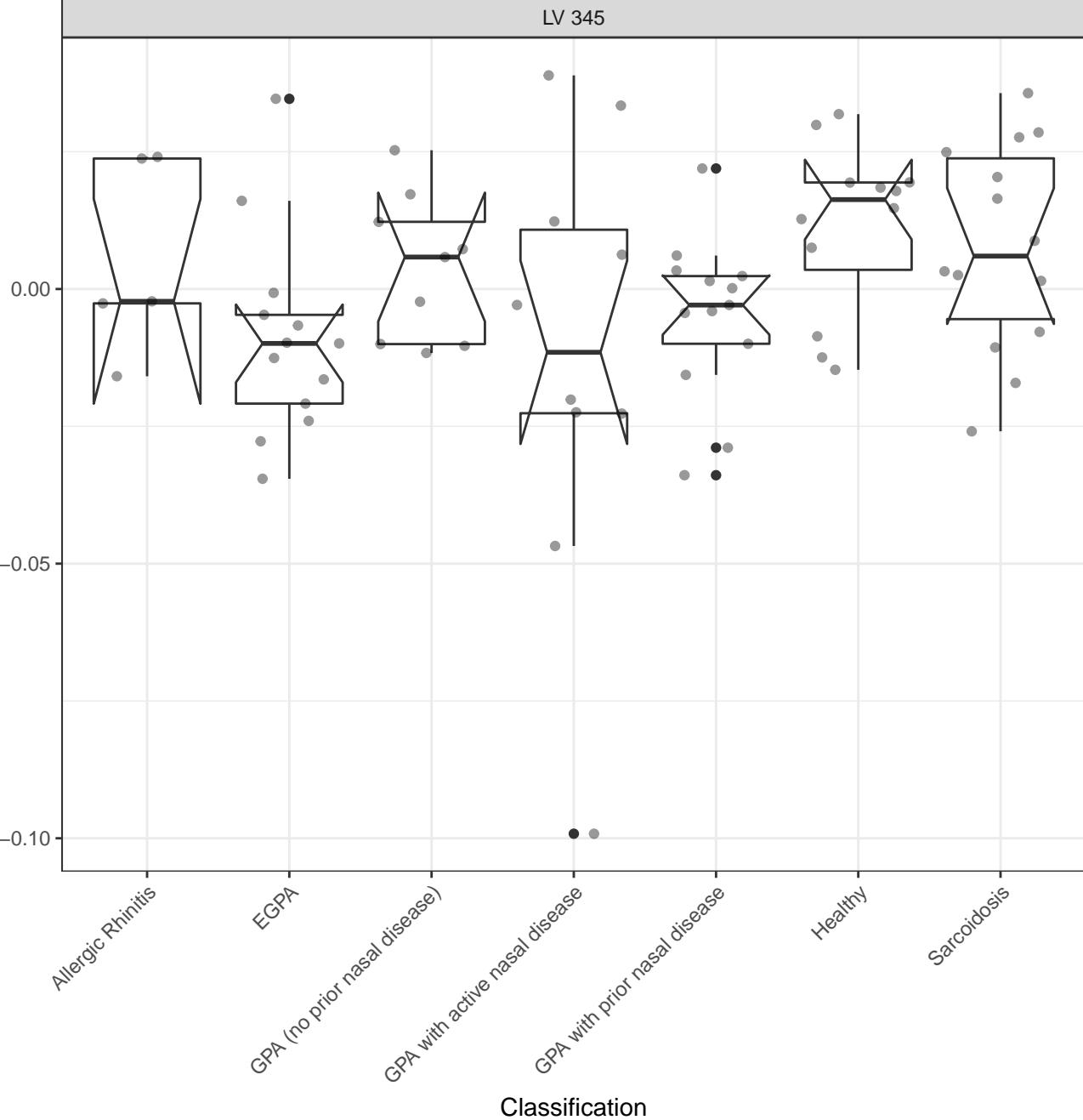
GPA with prior nasal disease

Healthy

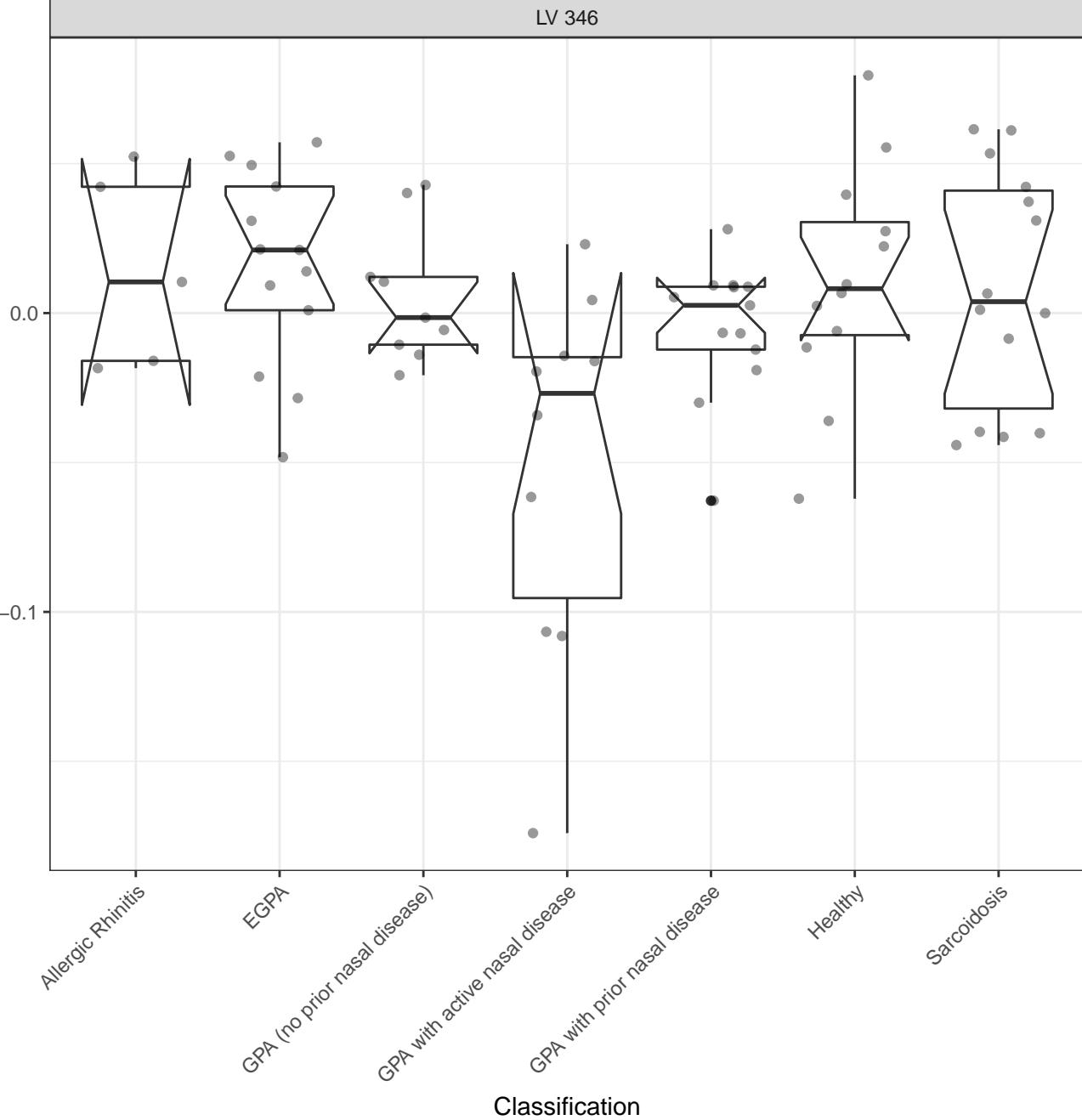
Sarcoidosis

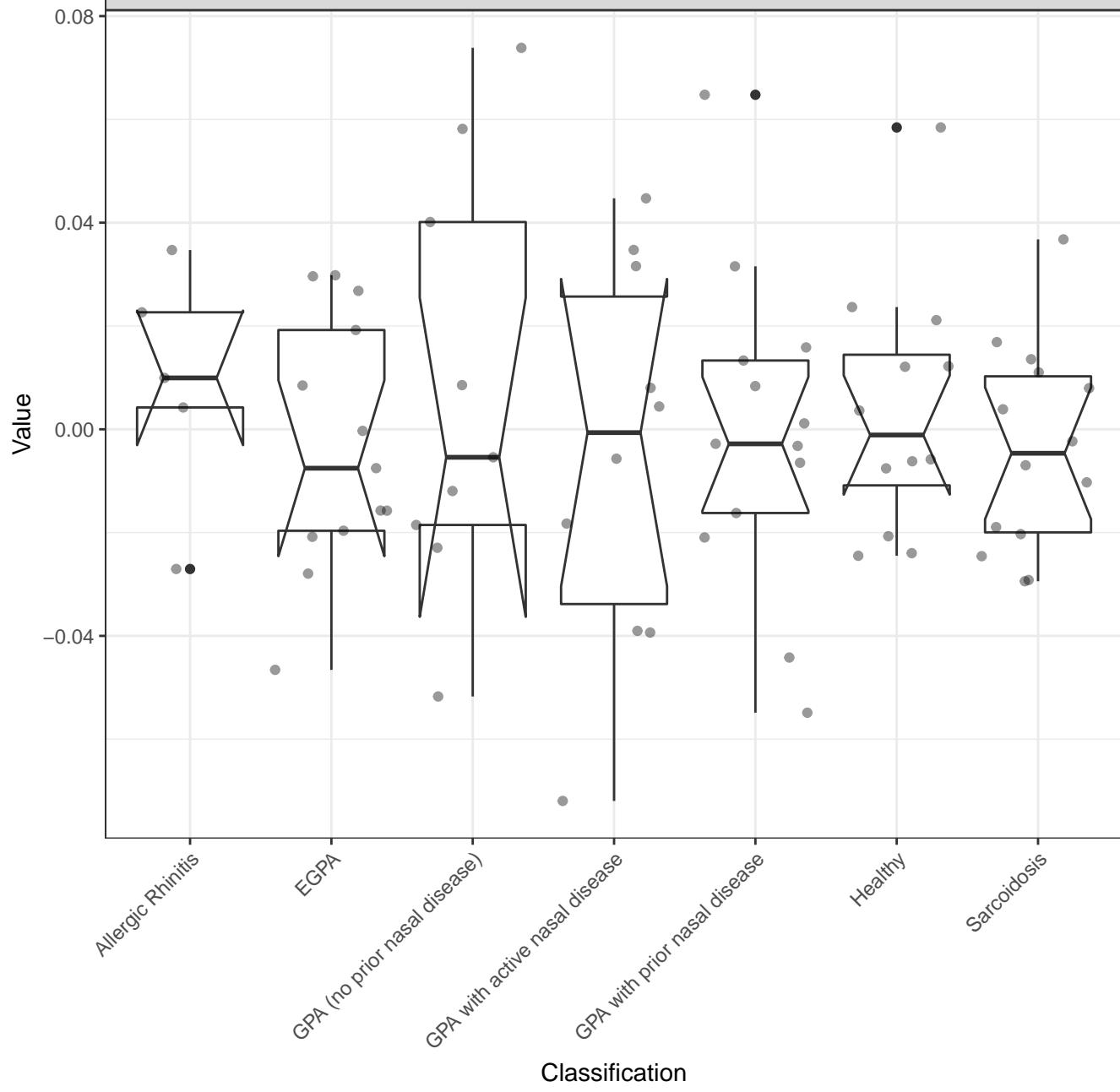
Classification

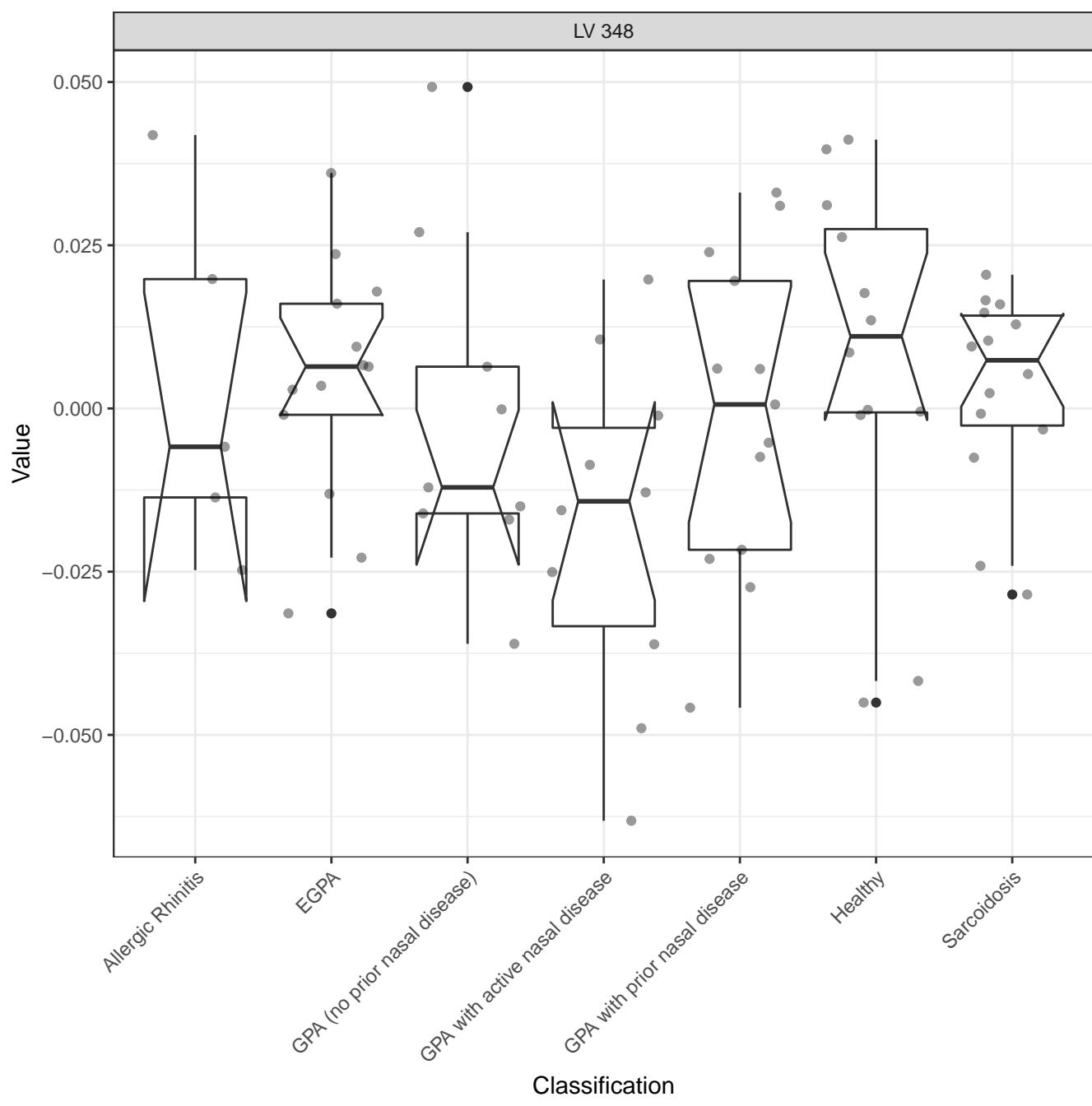
Value



Value







Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

0.04

0.00

-0.04

-0.08

-0.12

Value

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

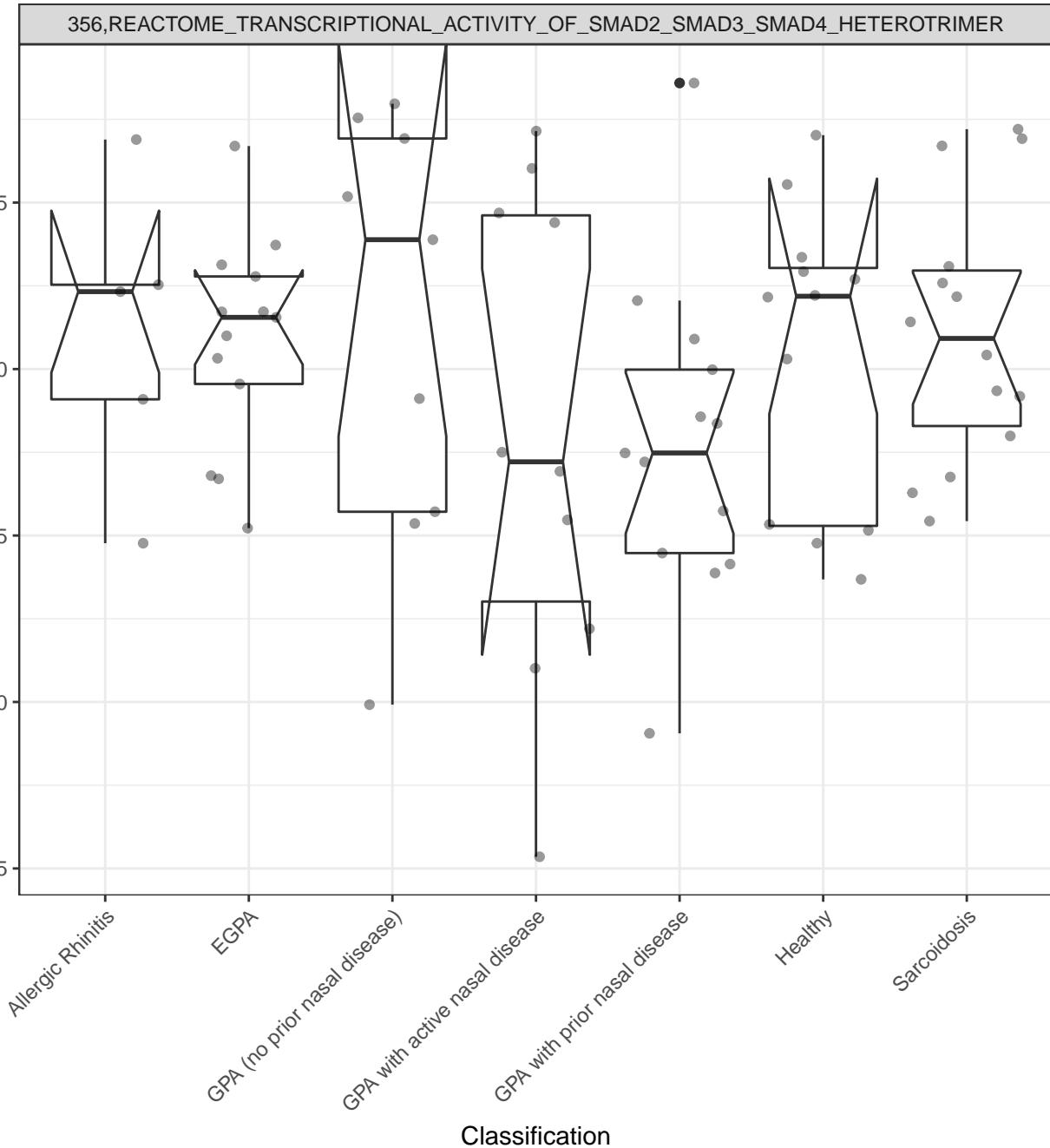
Healthy

Sarcoidosis

Classification

356,REACTOME_TRANSCRITIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTrIMER

Value



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

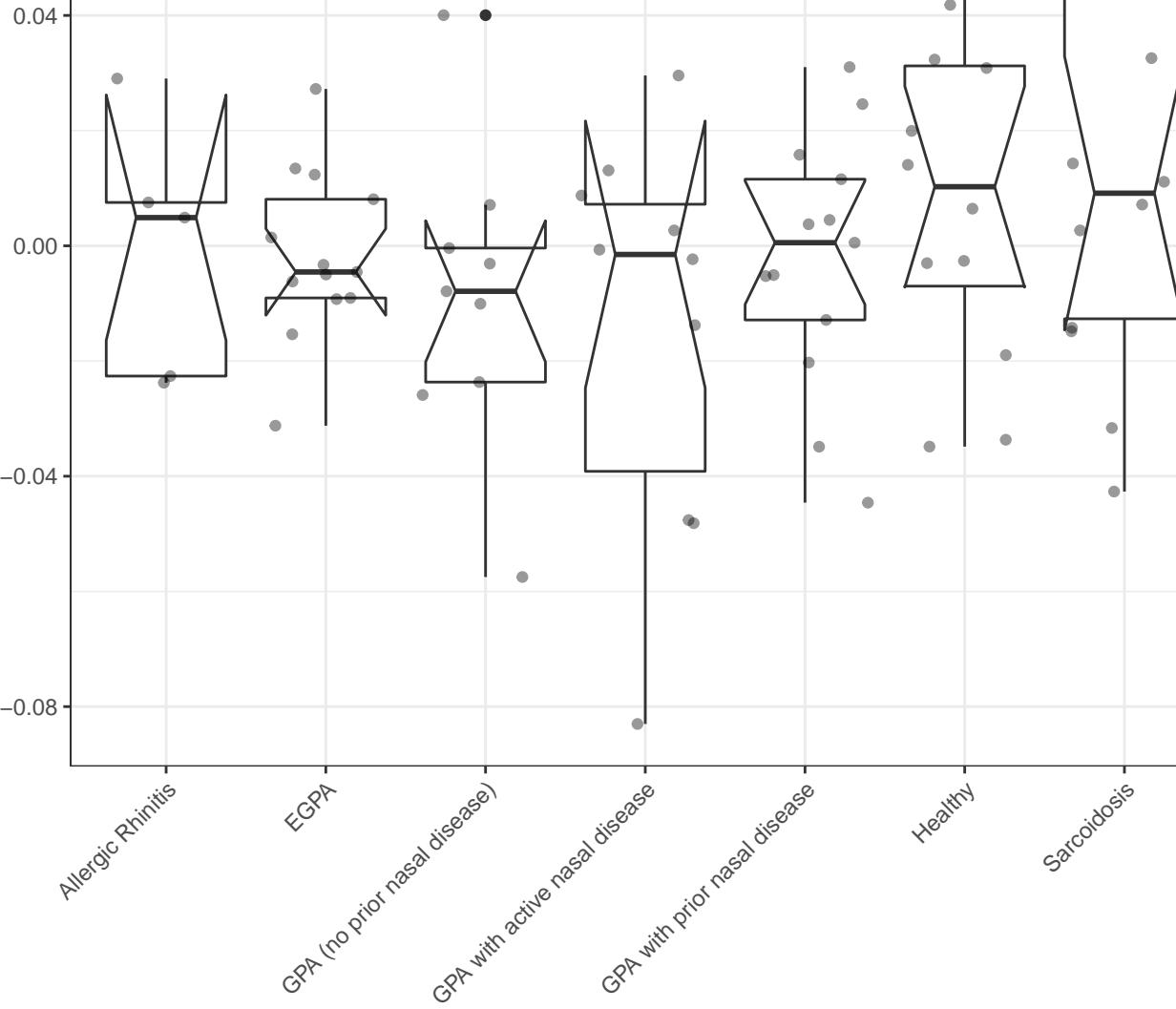
GPA with active nasal disease

GPA with prior nasal disease

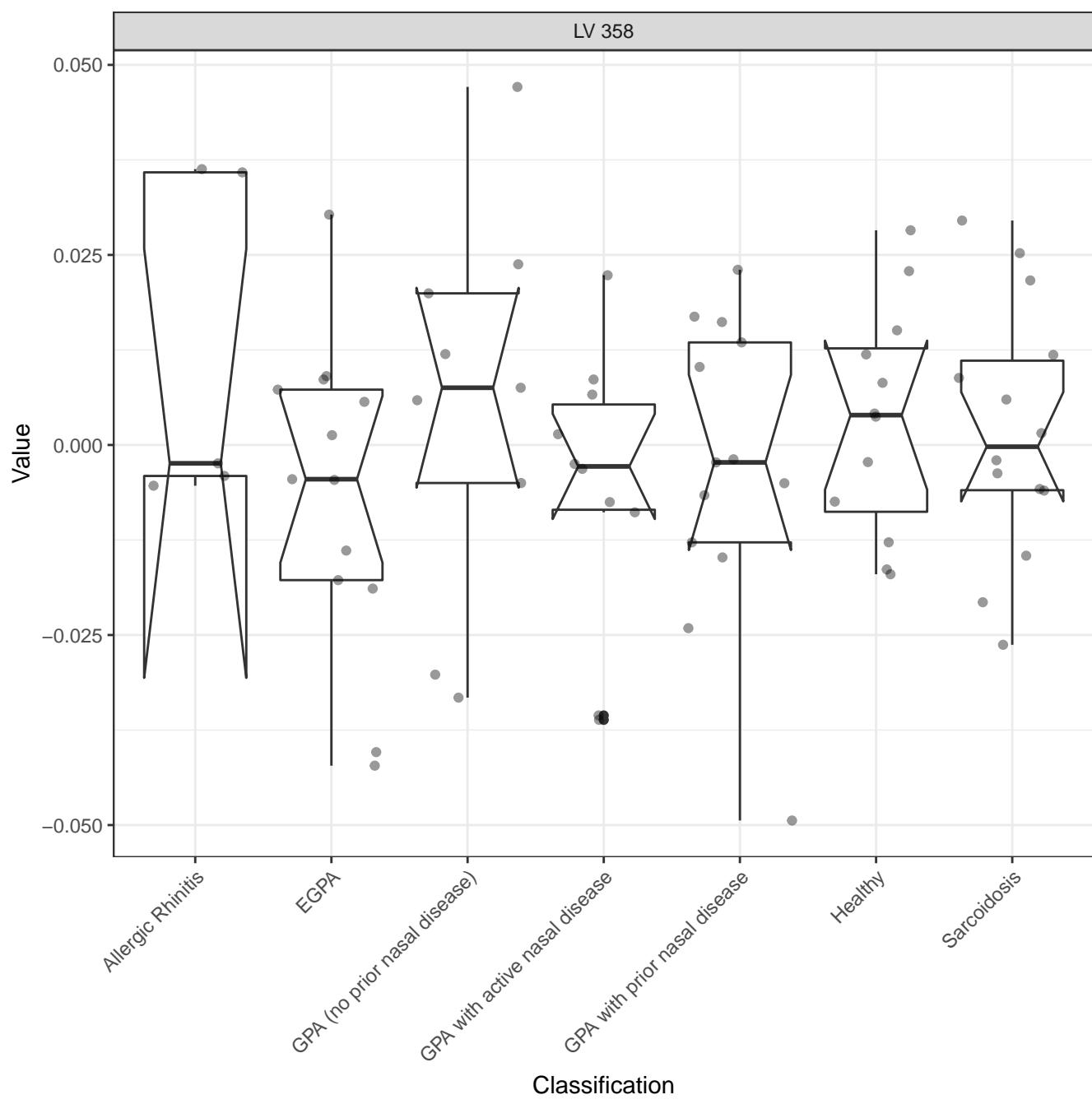
Healthy

Sarcoidosis

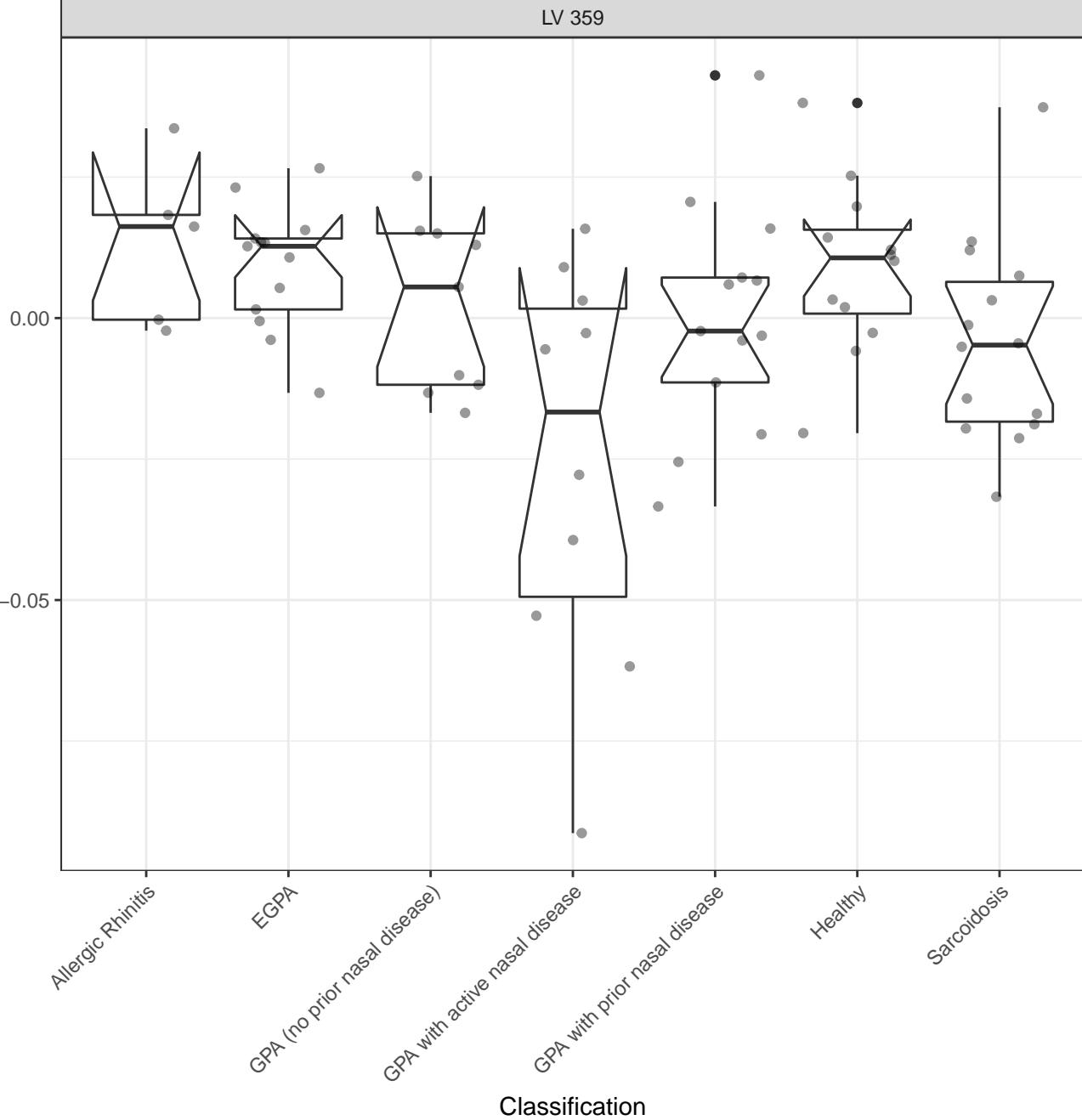
Classification



LV 358



Value



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

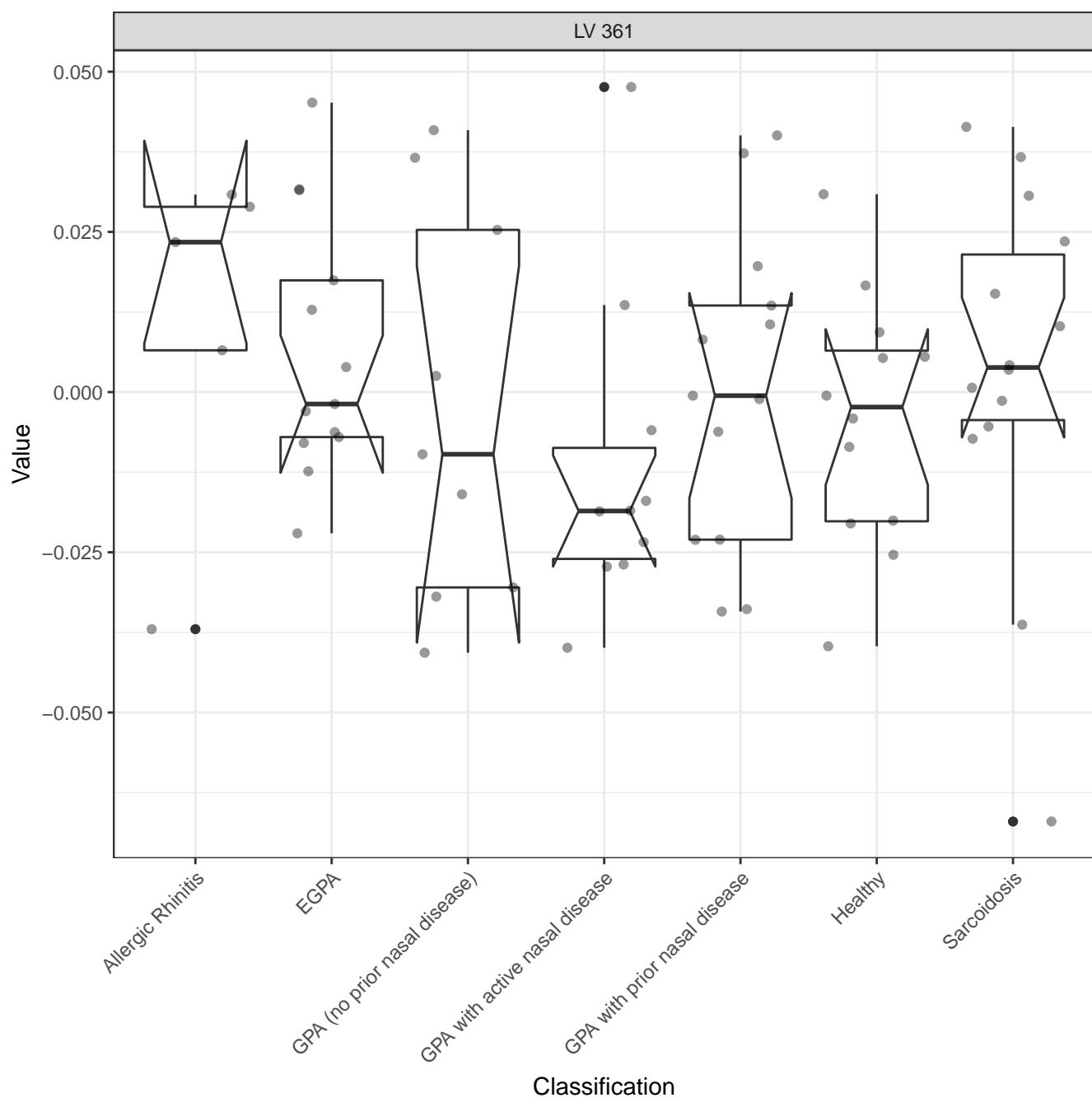
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

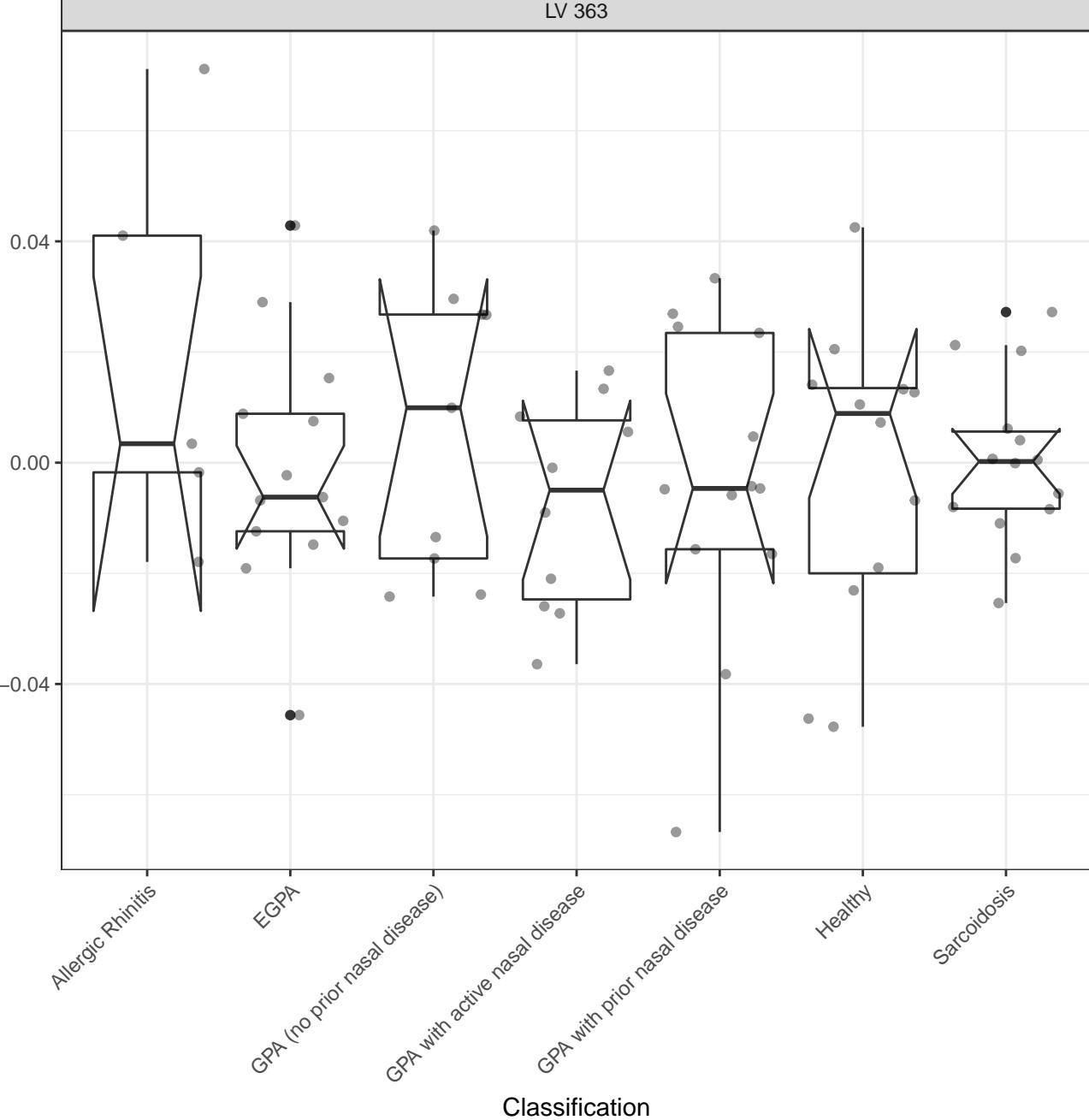
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

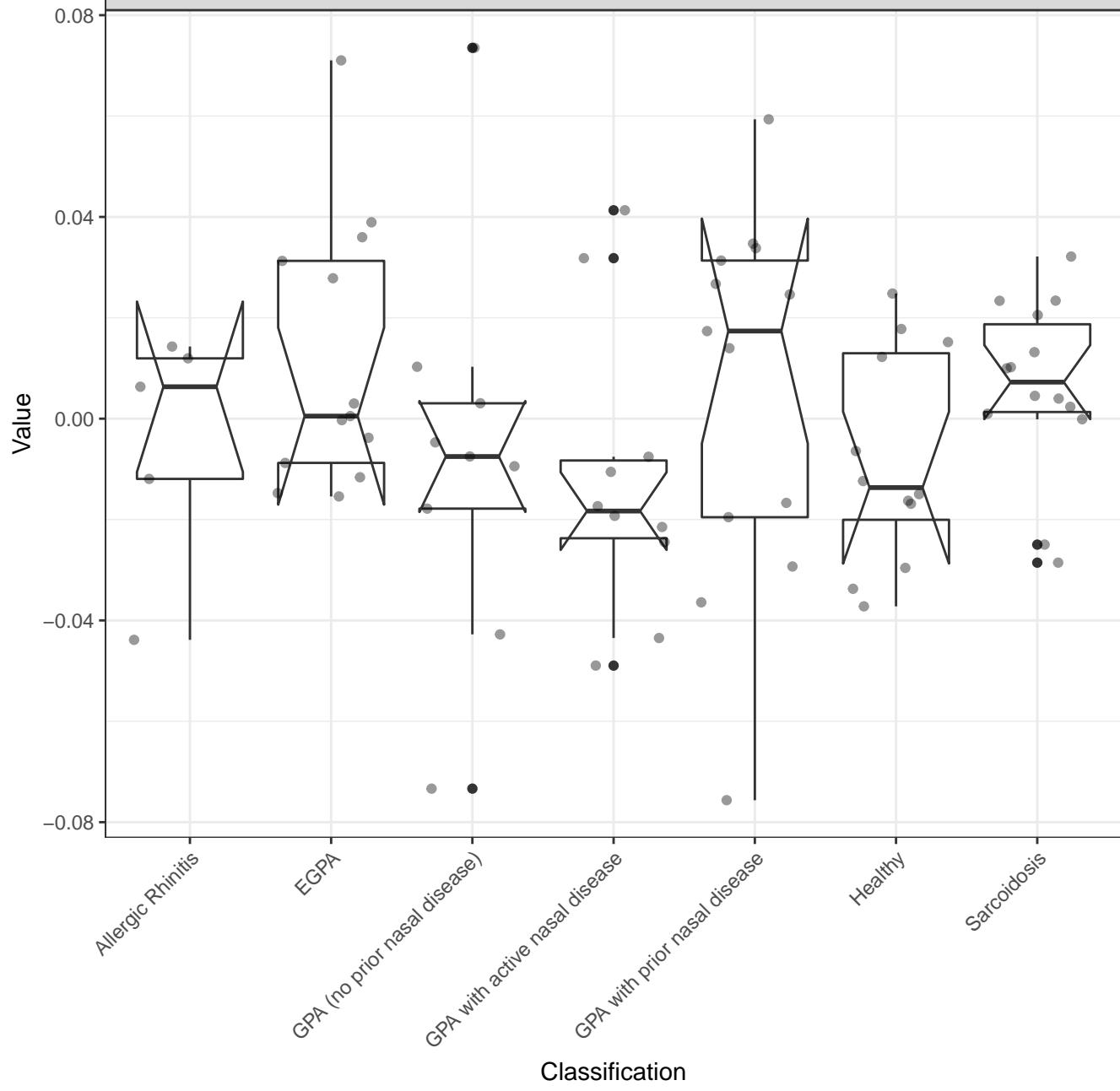
GPA with active nasal disease

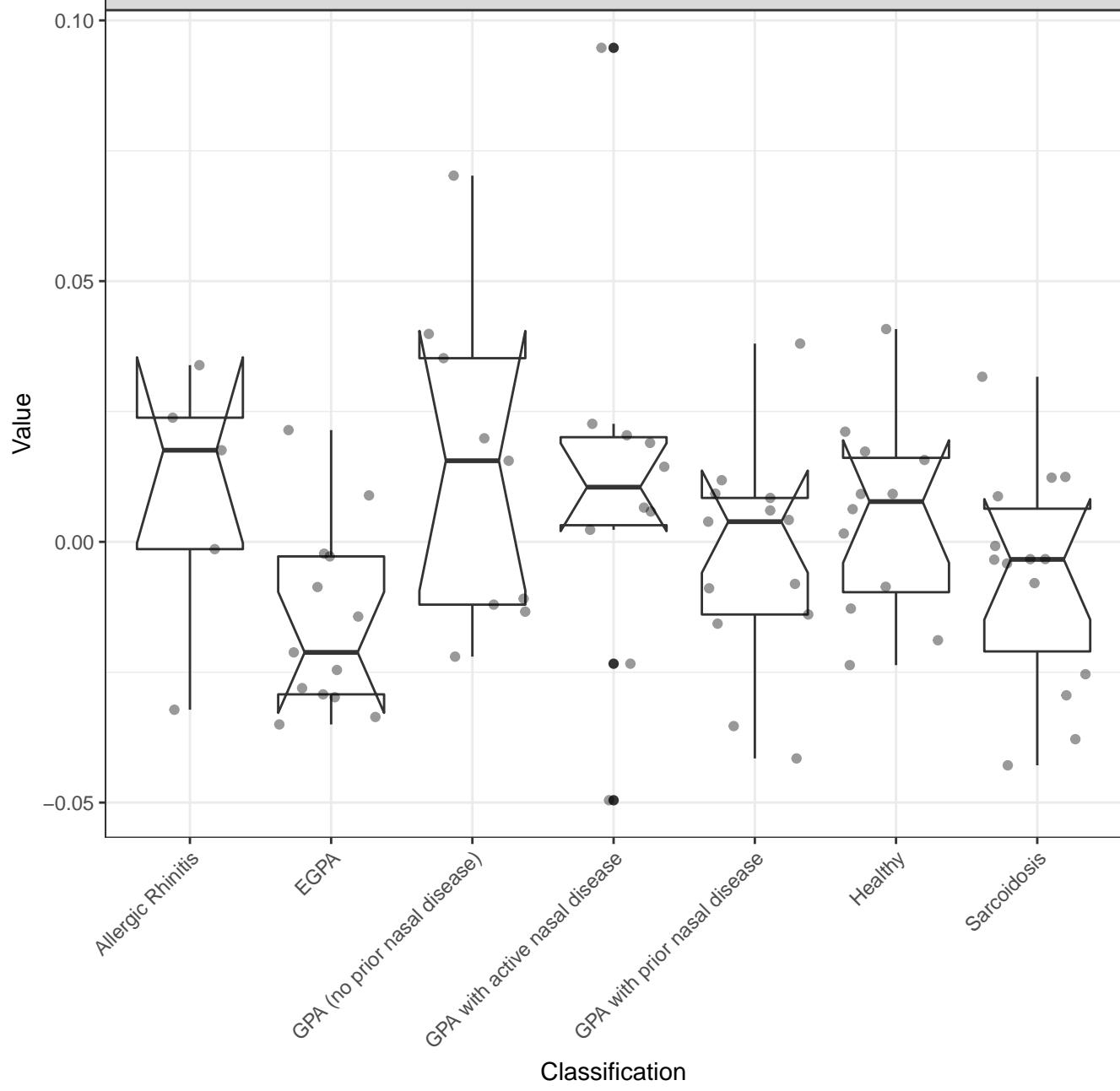
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

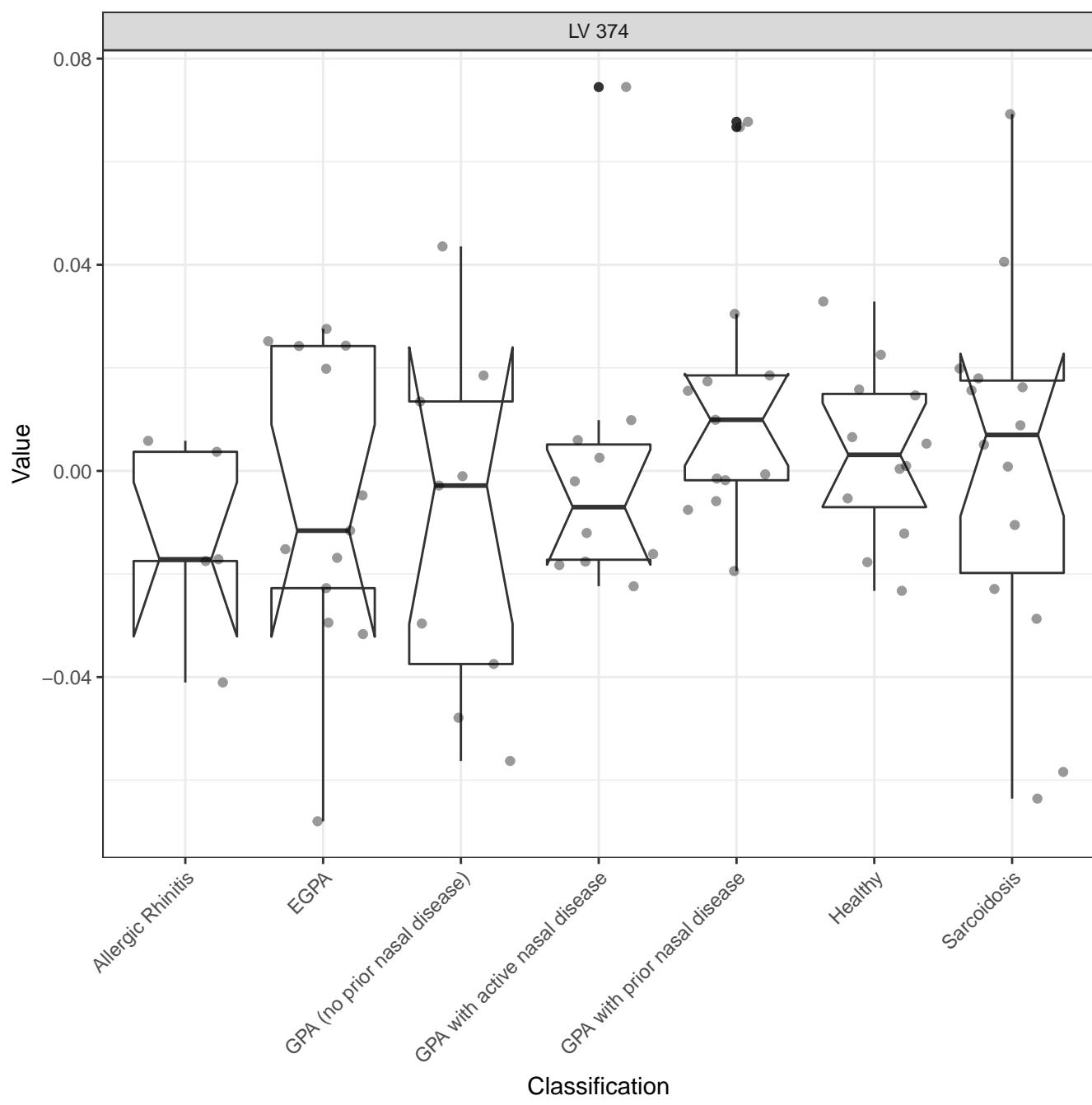
GPA with active nasal disease

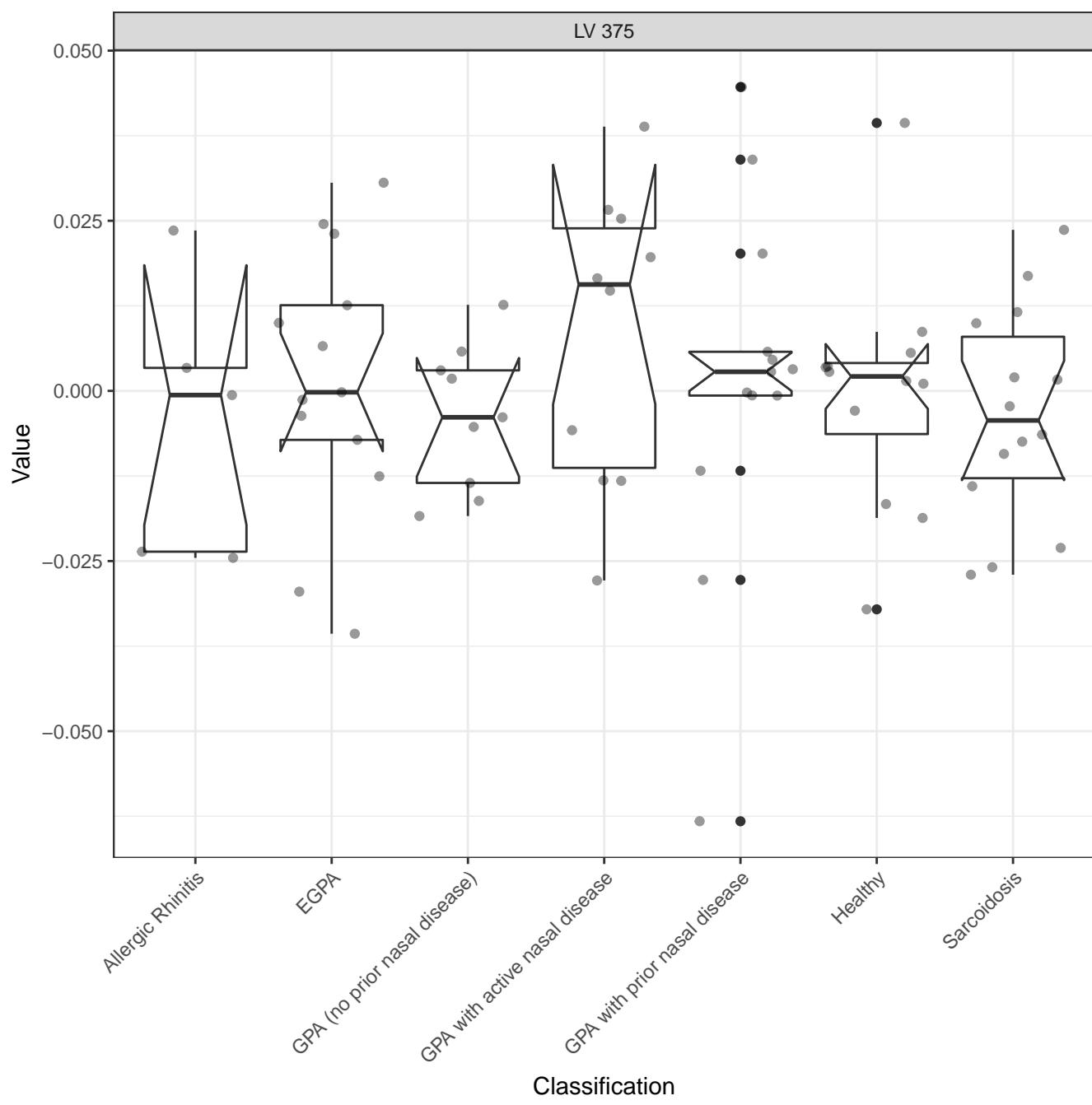
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.04

0.02

0.00

-0.02

-0.04

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

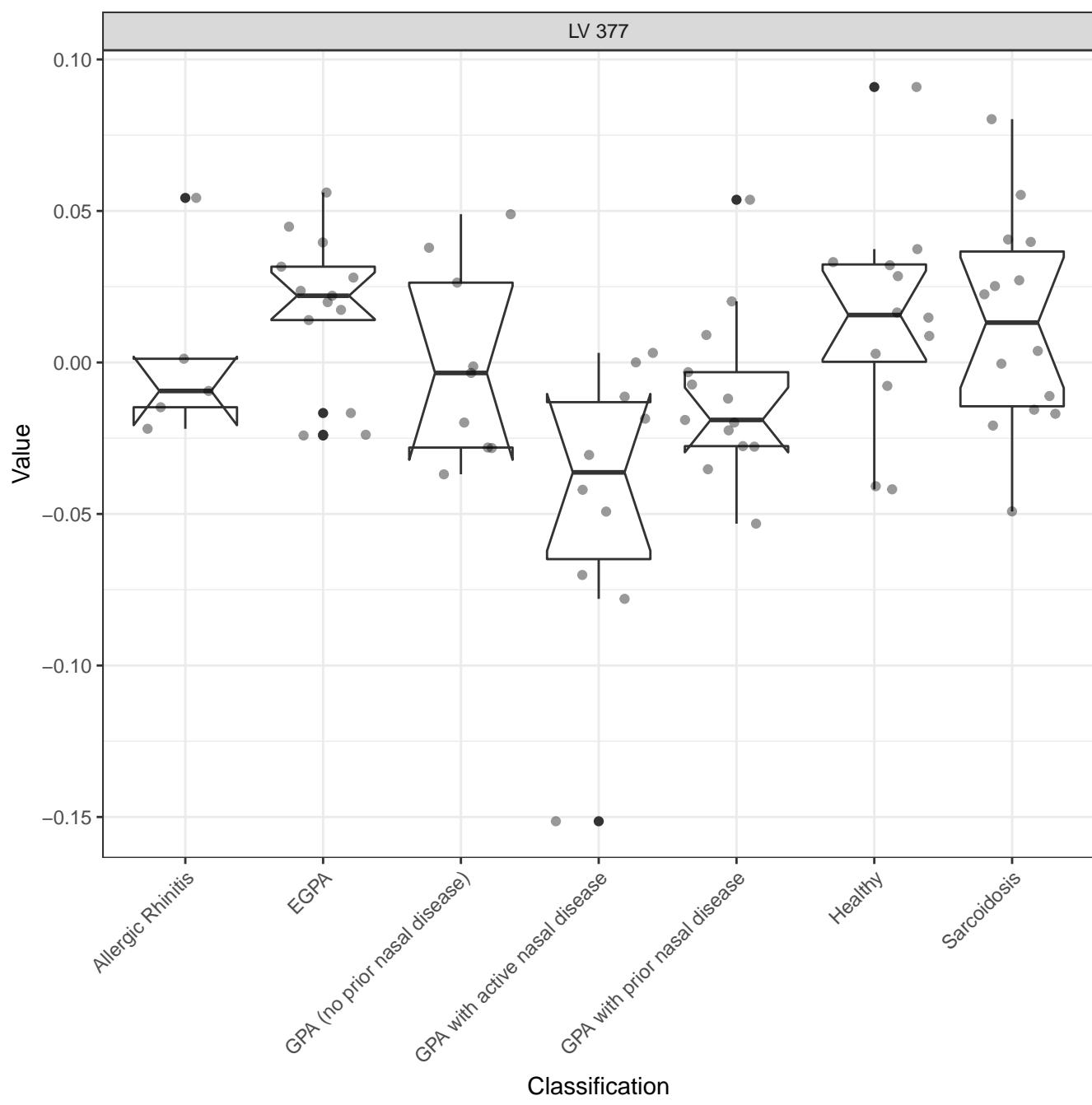
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

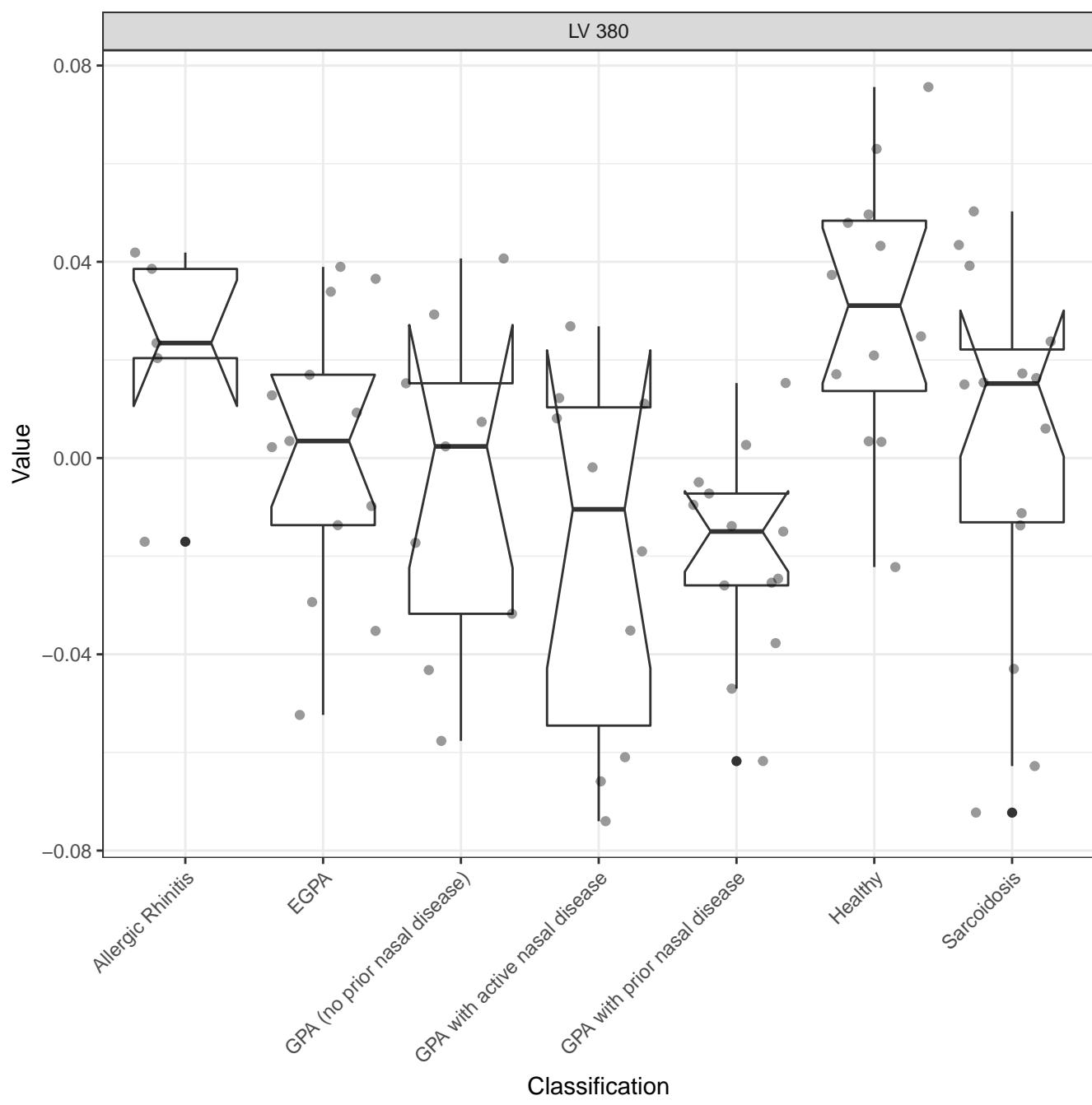
GPA with active nasal disease

GPA with prior nasal disease

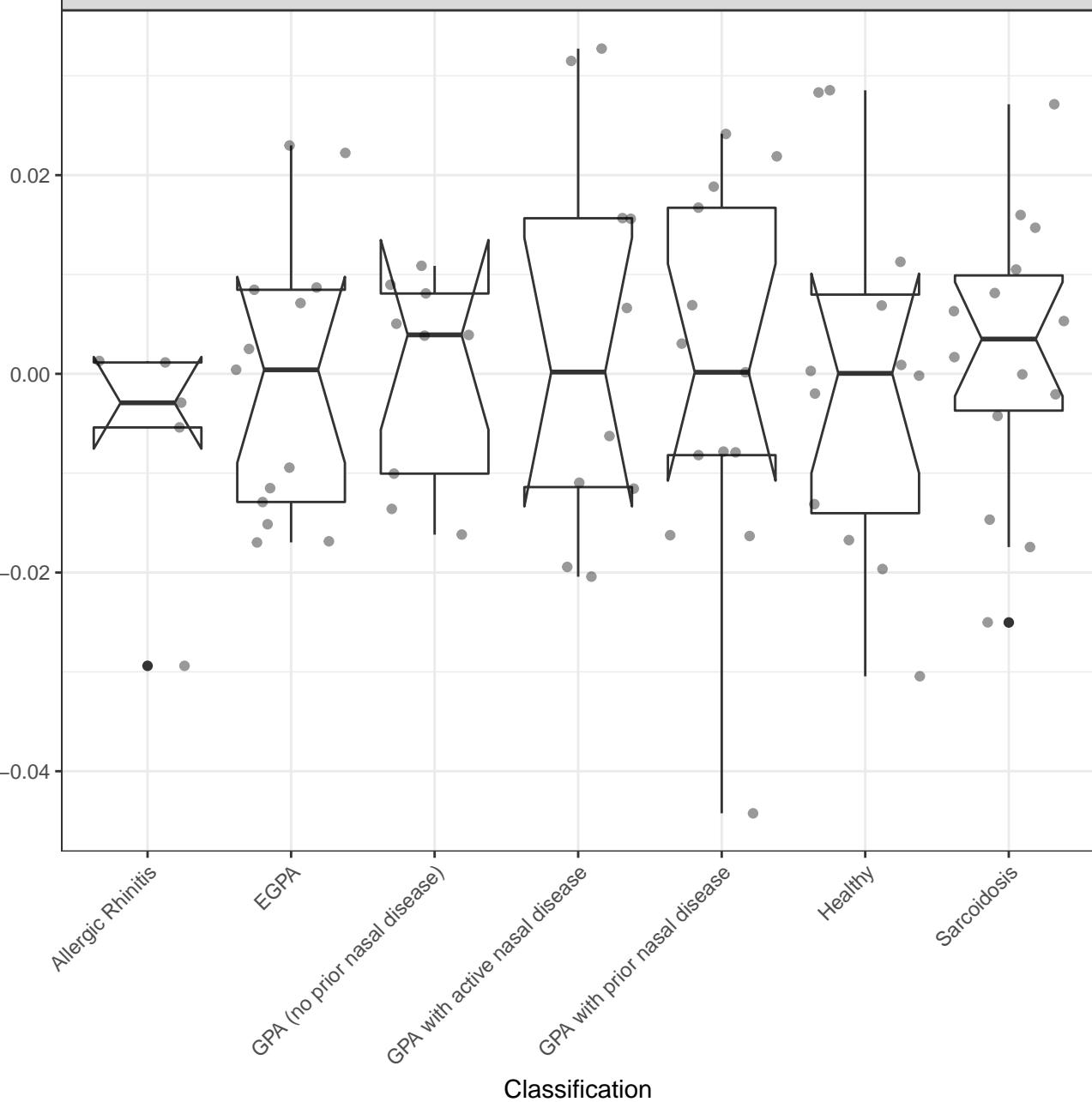
Healthy

Sarcoidosis

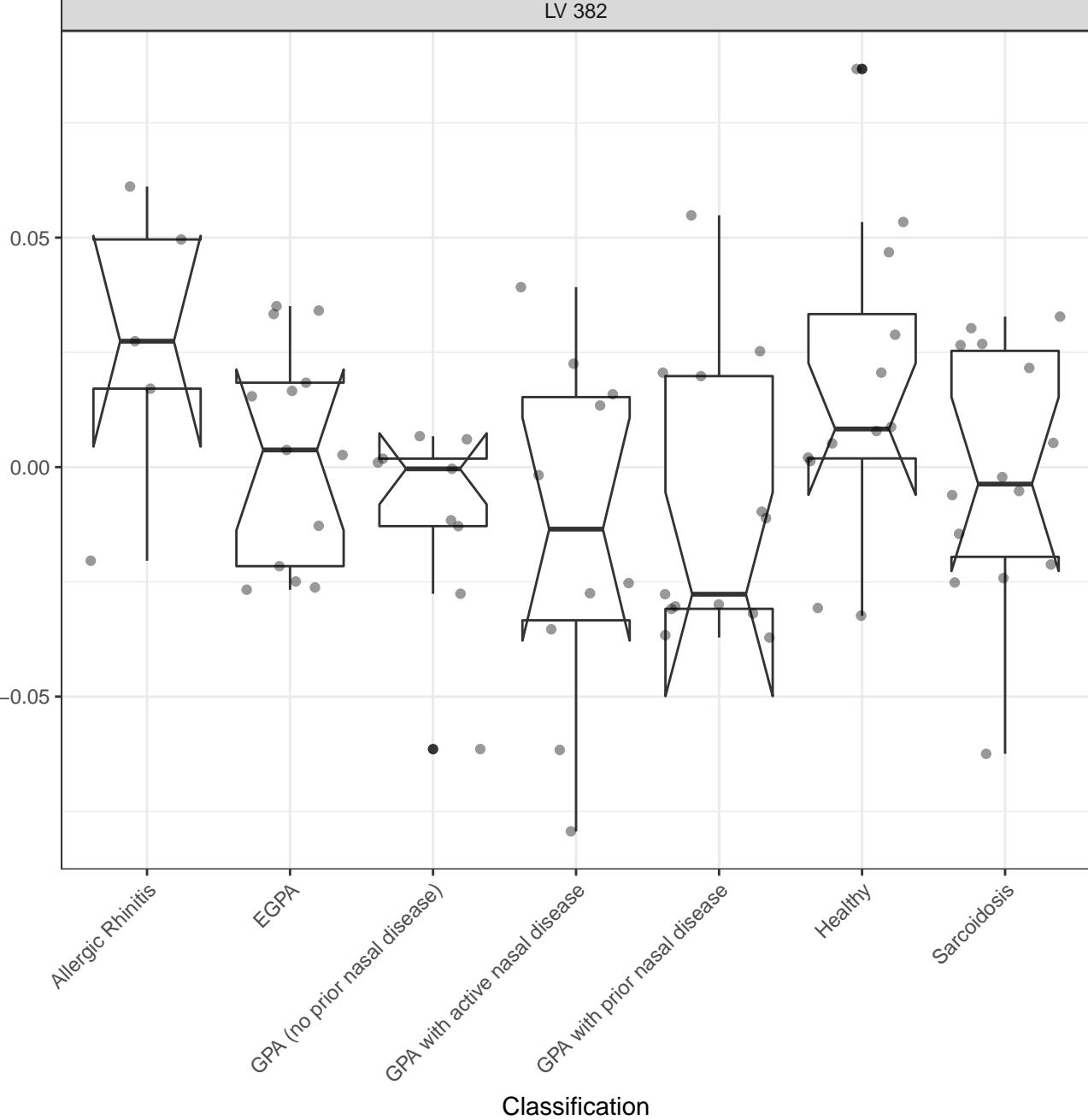
Classification



Value



Value



Value

0.05

0.01

-0.05

-0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

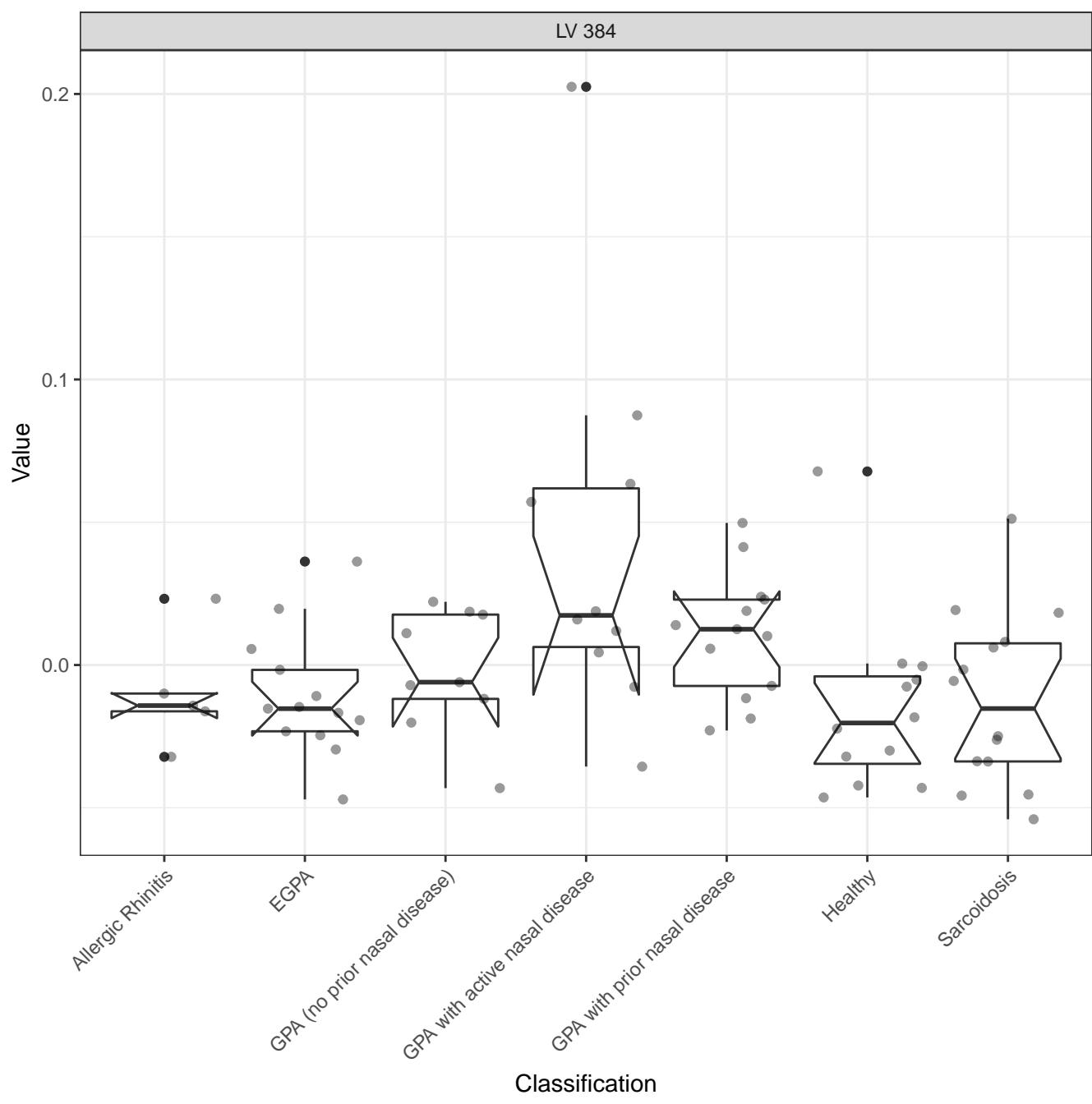
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06
0.04
0.02
0.00
-0.02
-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

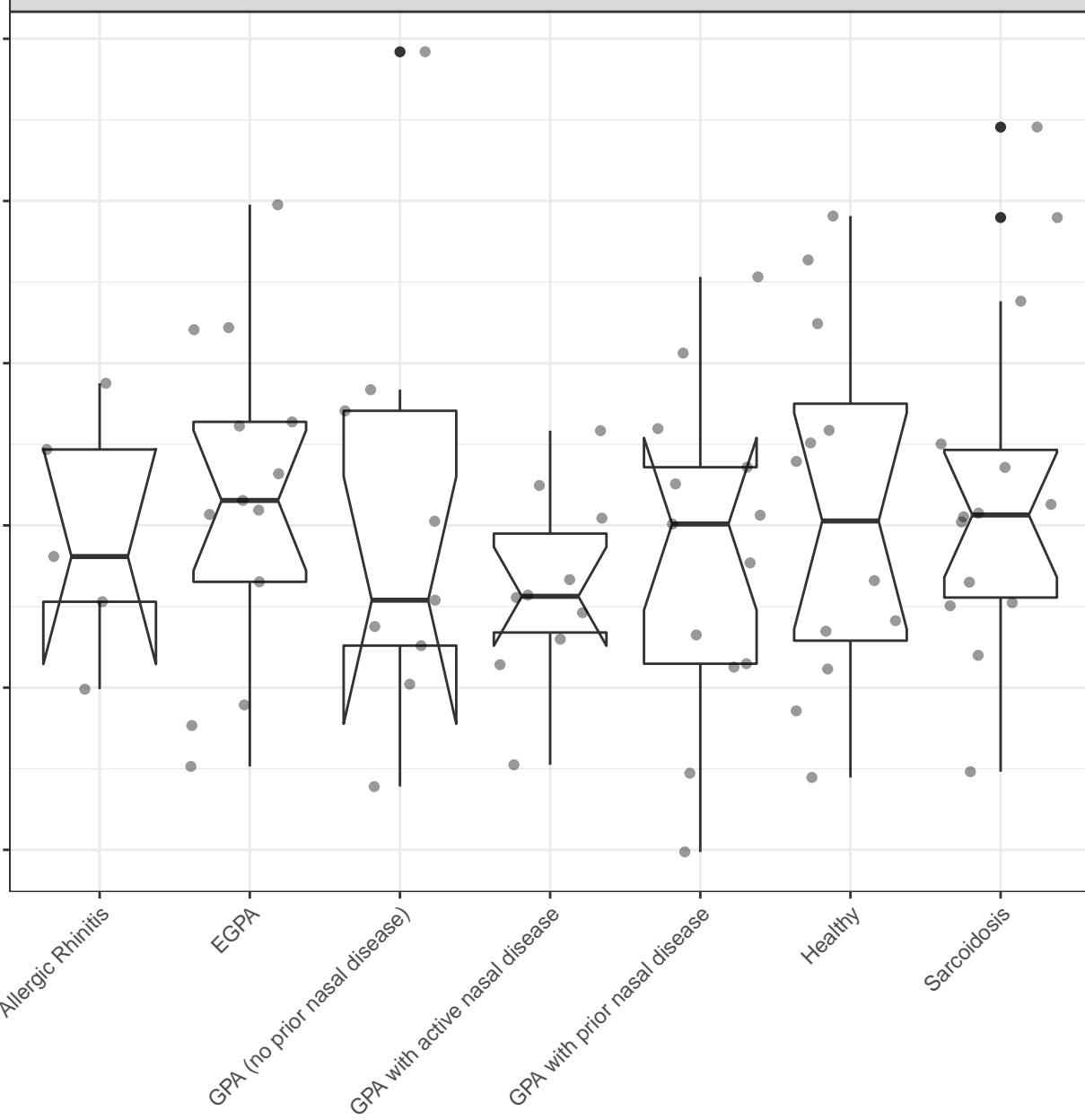
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.03

0.01

-0.01

-0.03

-0.05

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

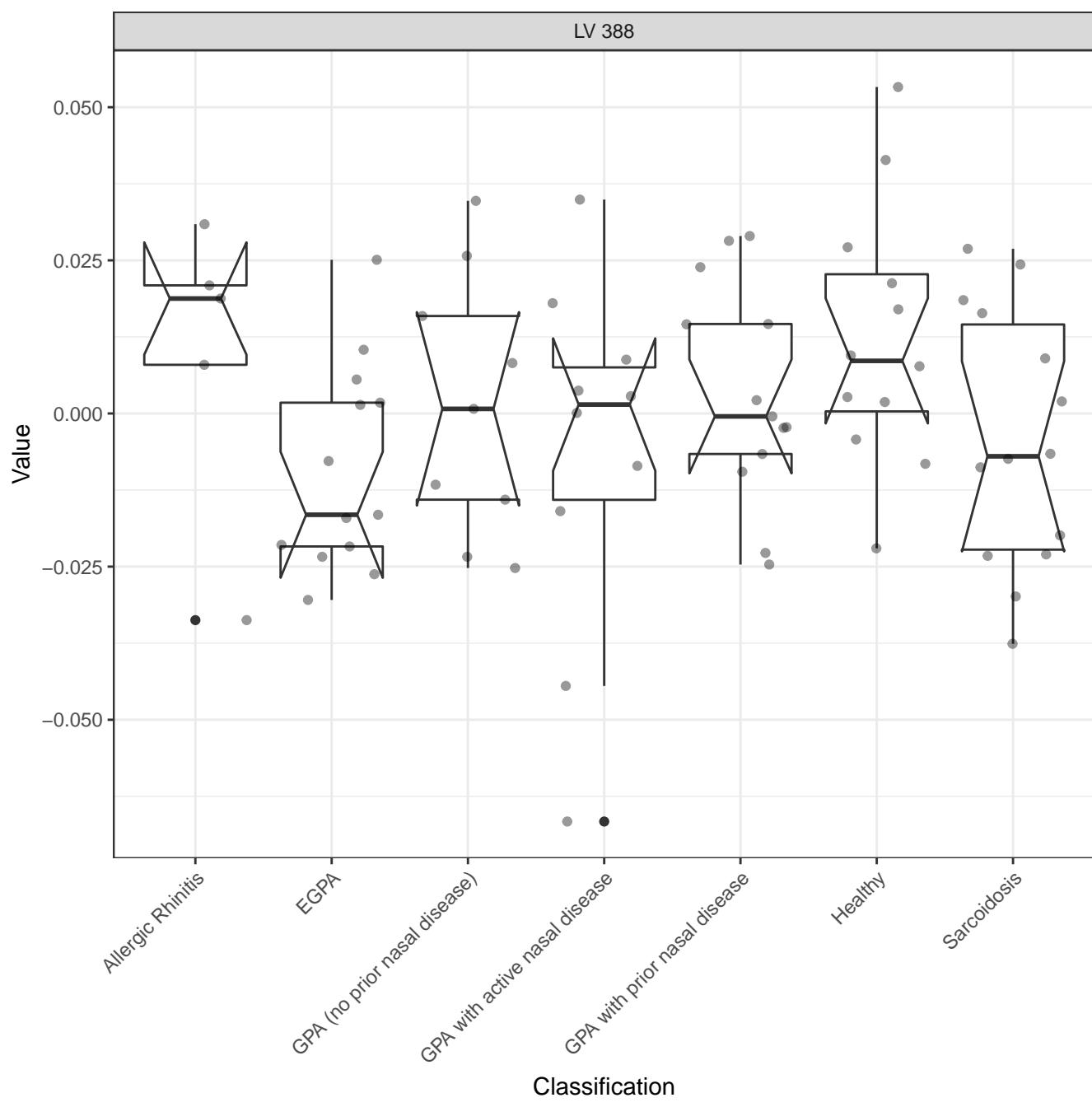
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

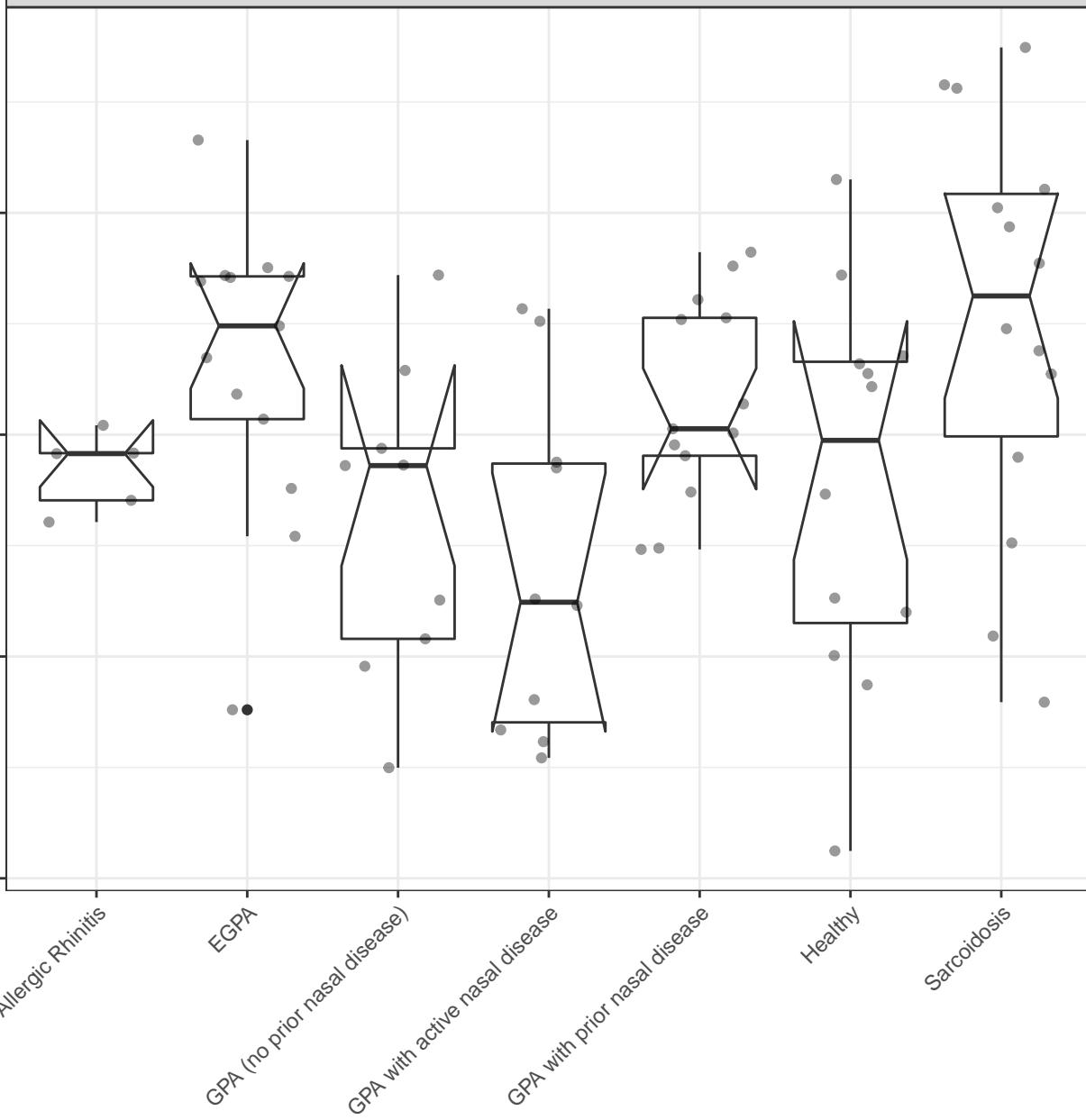
GPA with active nasal disease

GPA with prior nasal disease

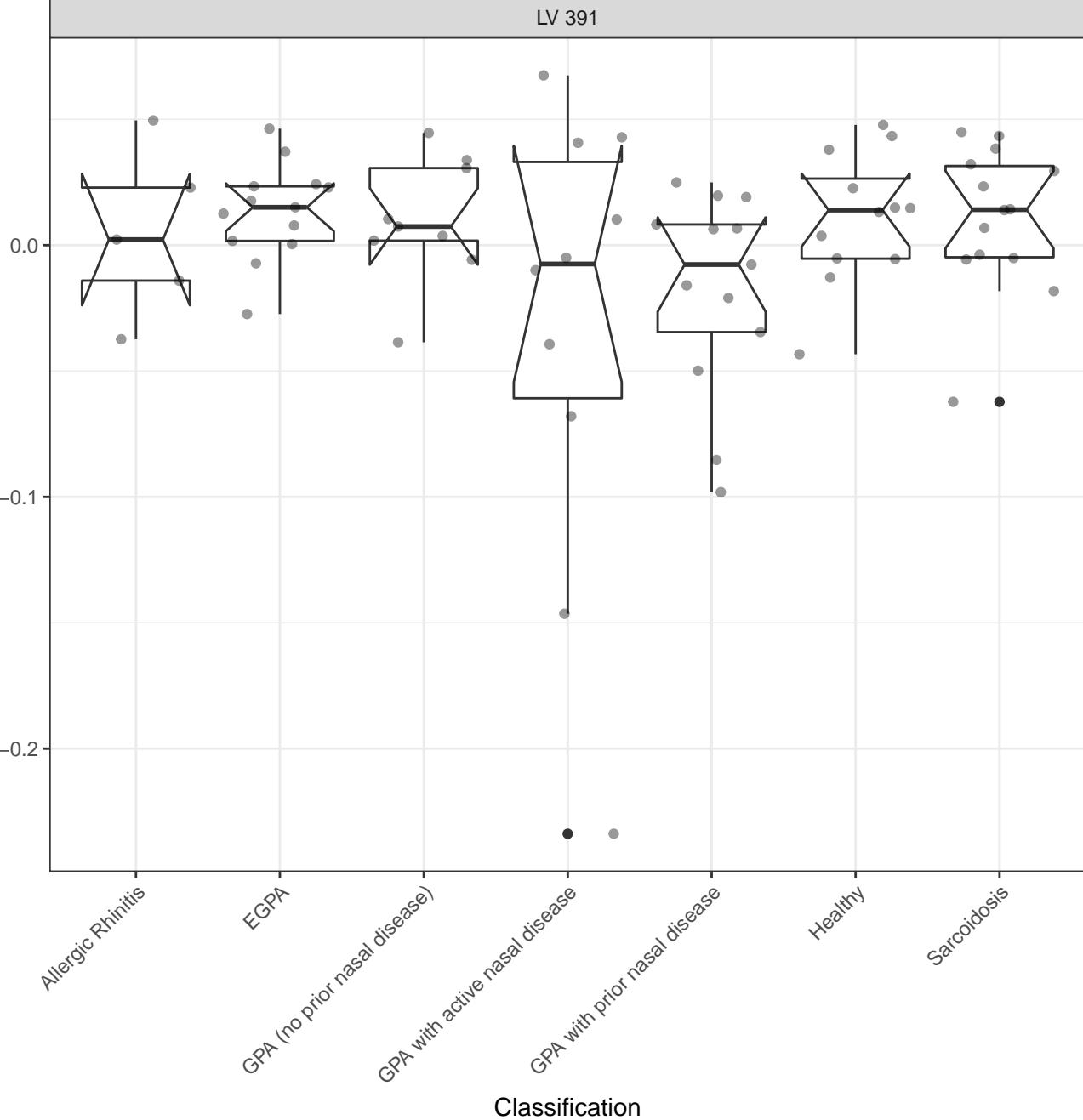
Healthy

Sarcoidosis

Classification



Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

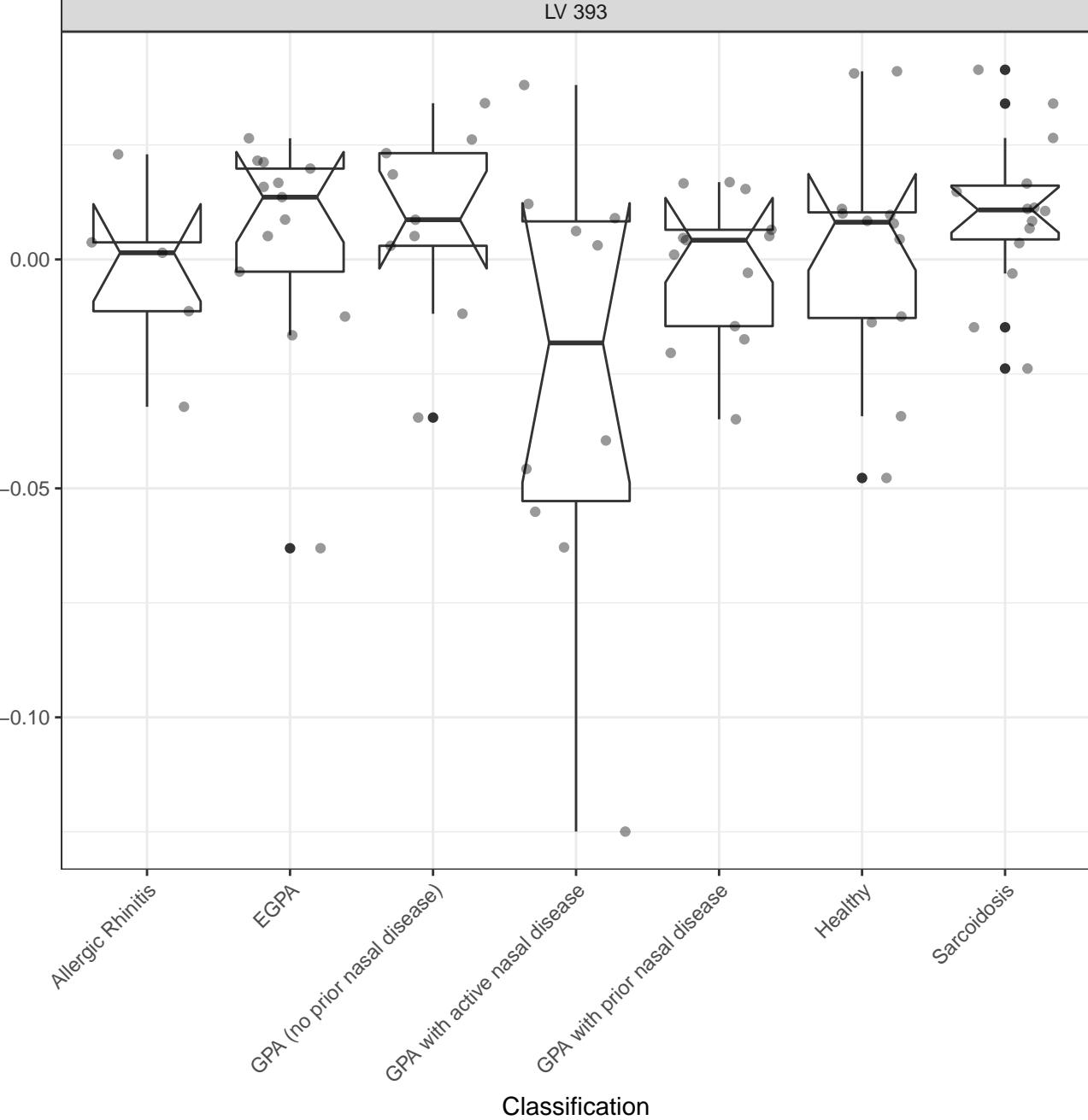
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10
0.05
0.00
-0.05
-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

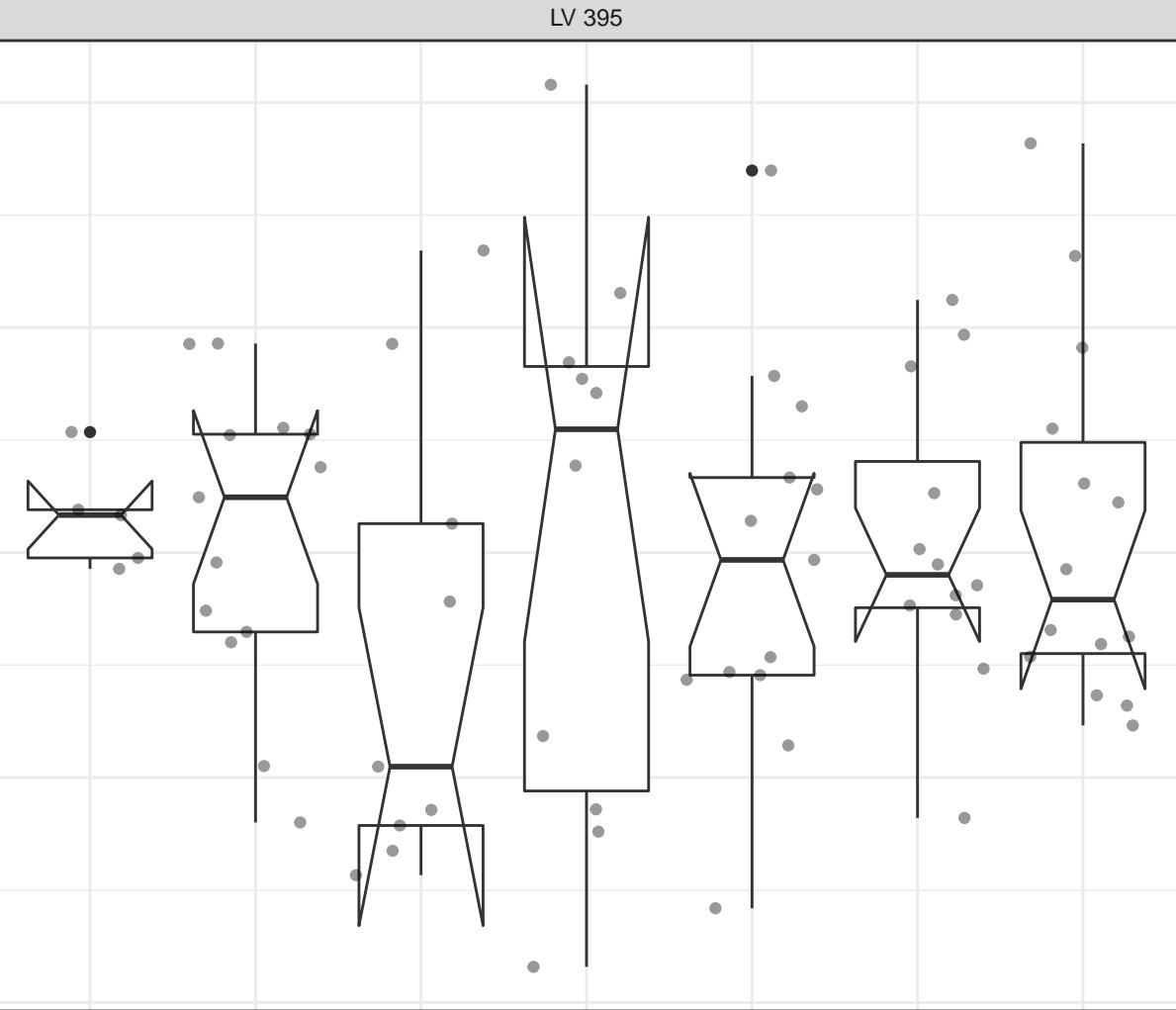
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



LV 396

Value

0.06

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

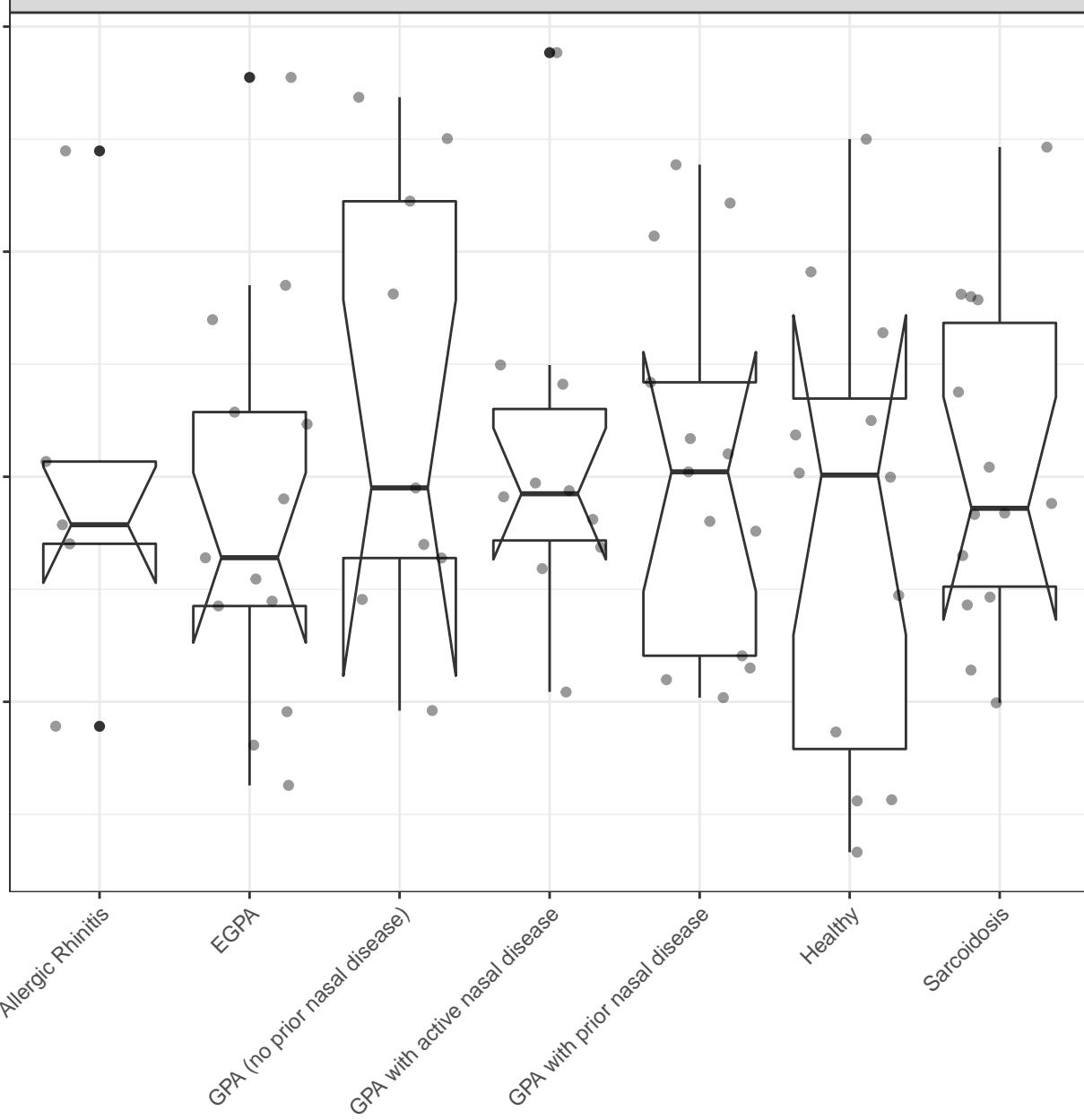
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



LV 397

Value

0.15
0.10
0.05
0.00
-0.05
-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

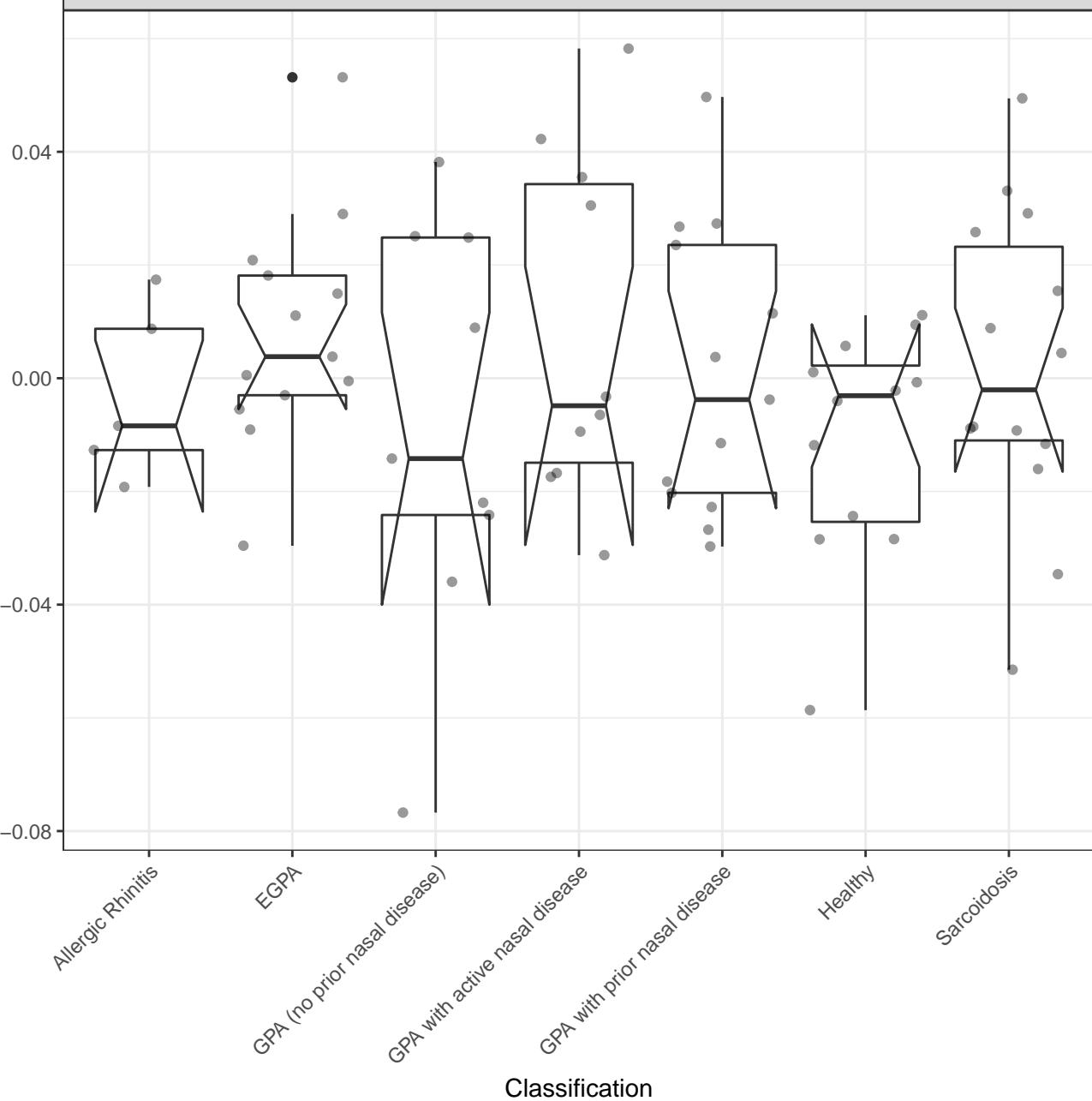
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.03

0.01

-0.01

-0.03

-0.05

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

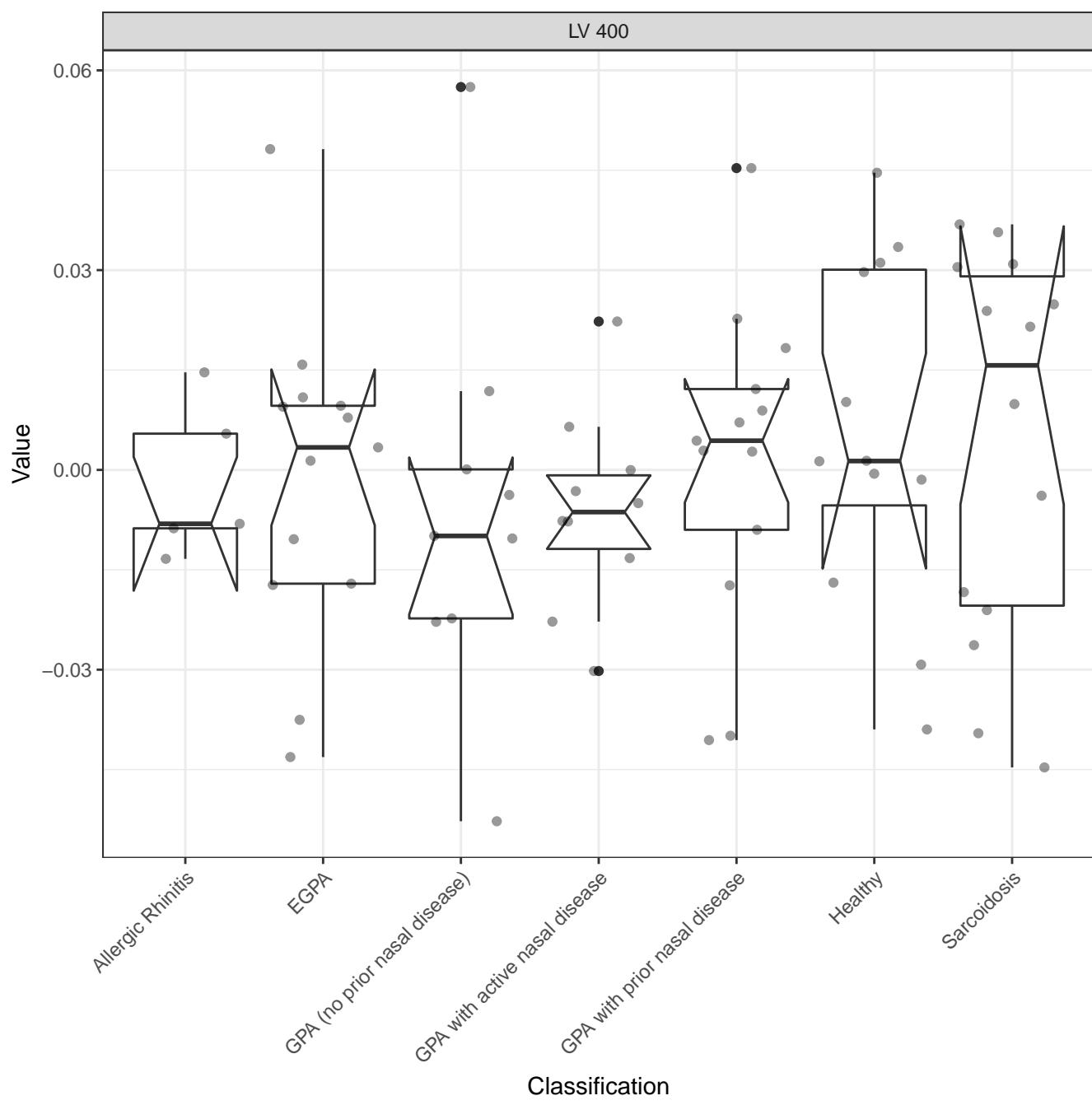
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

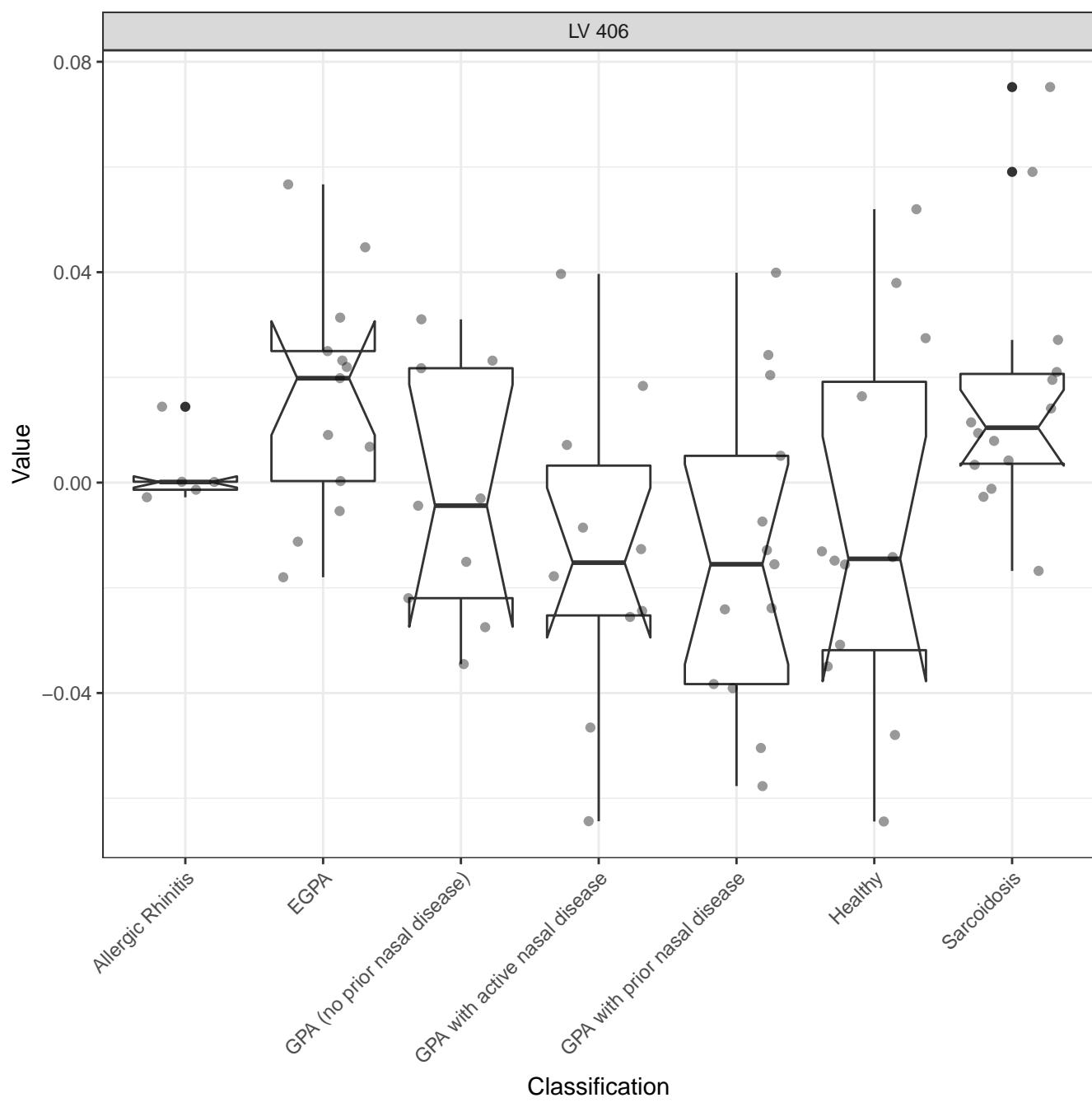
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

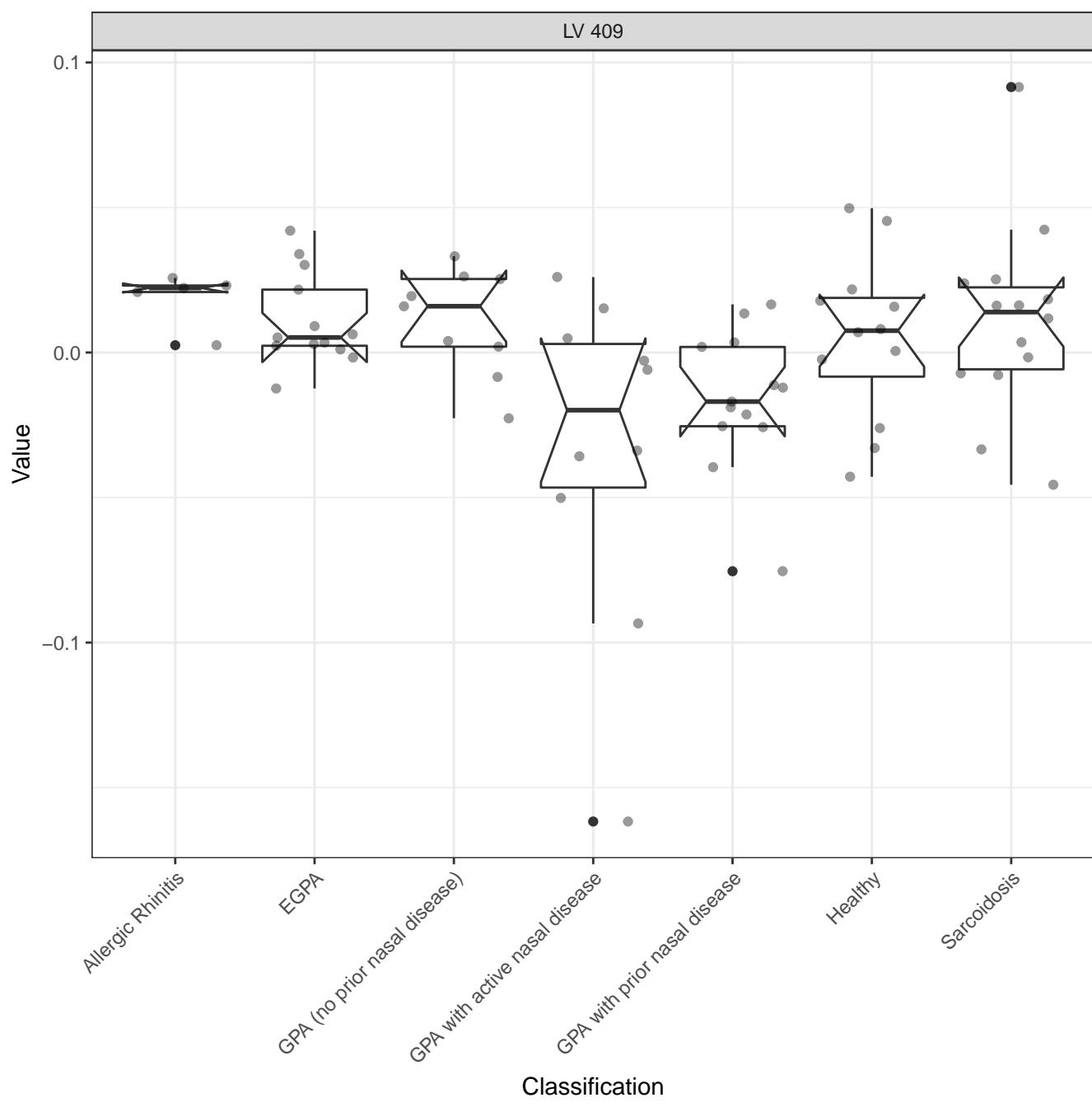
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

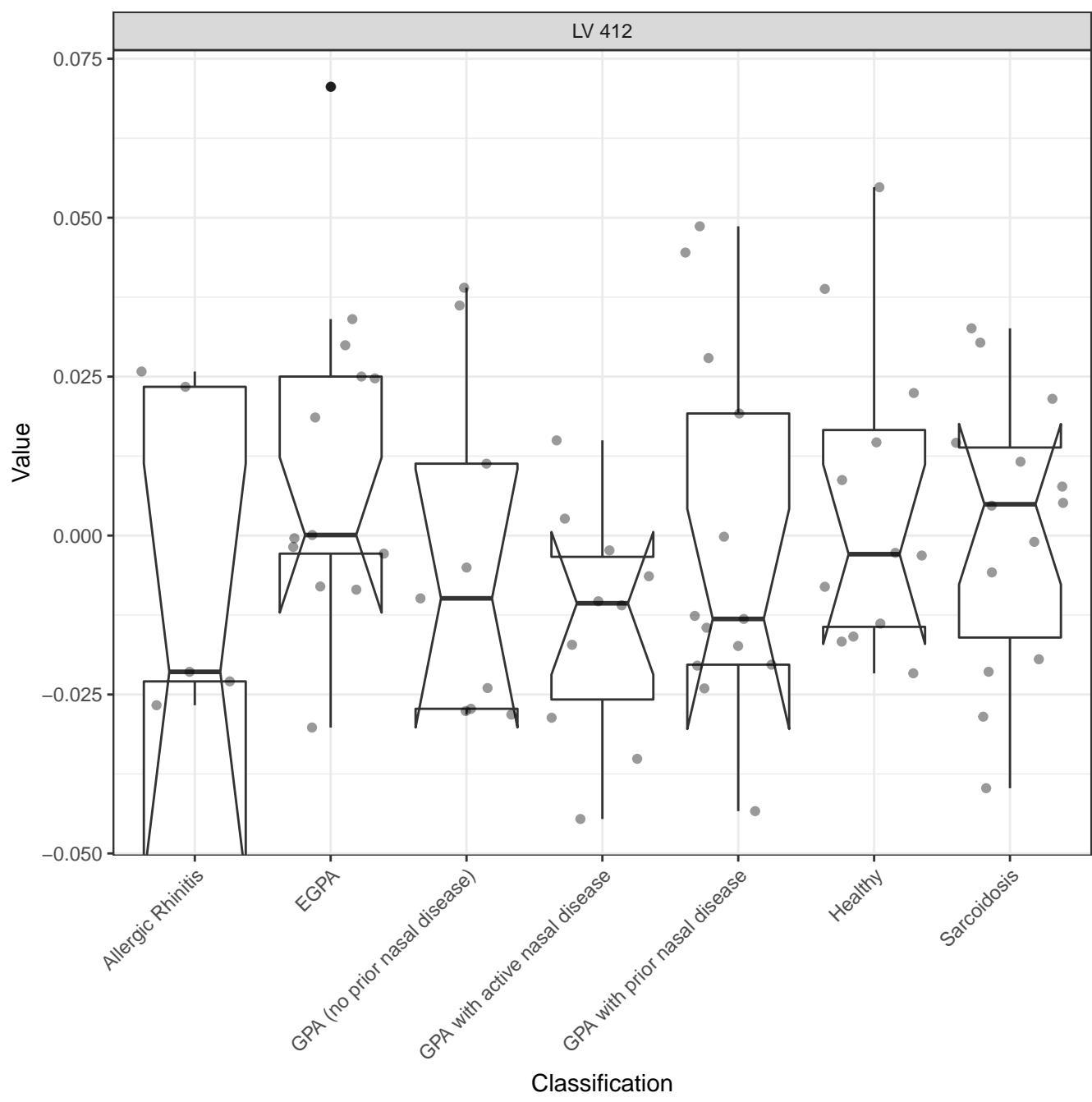
GPA with prior nasal disease

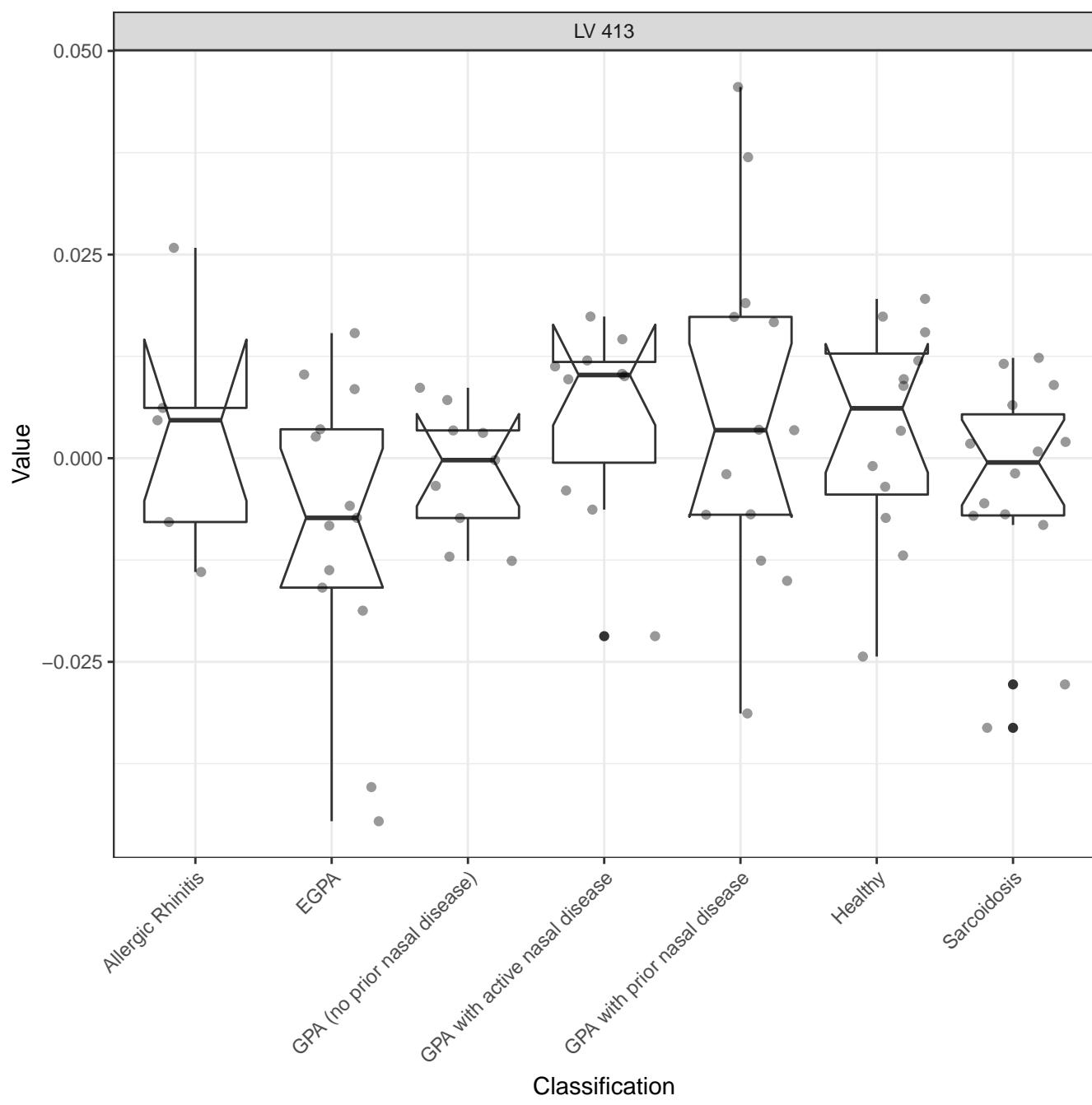
Healthy

Sarcoidosis

Classification

LV 412





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

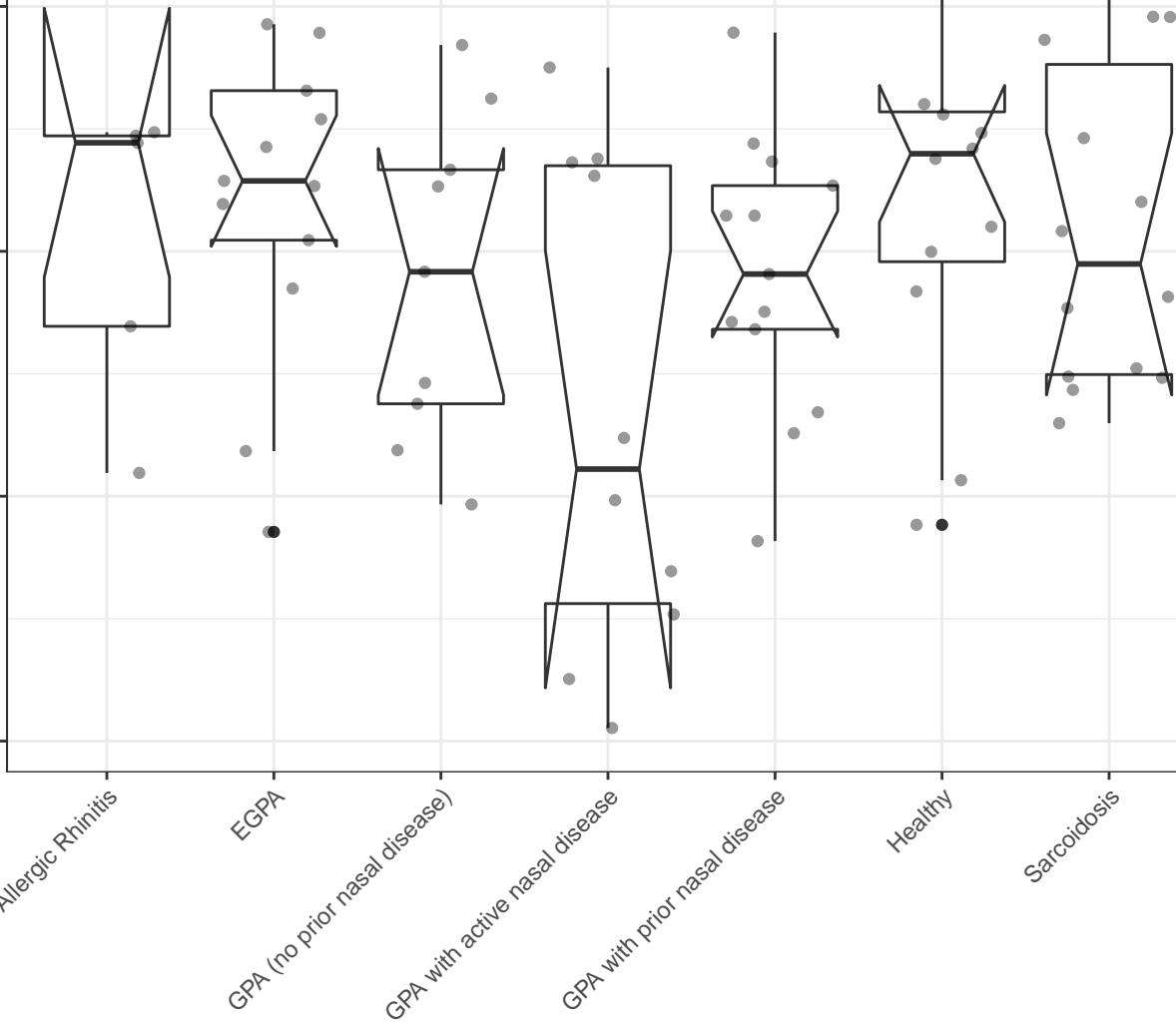
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

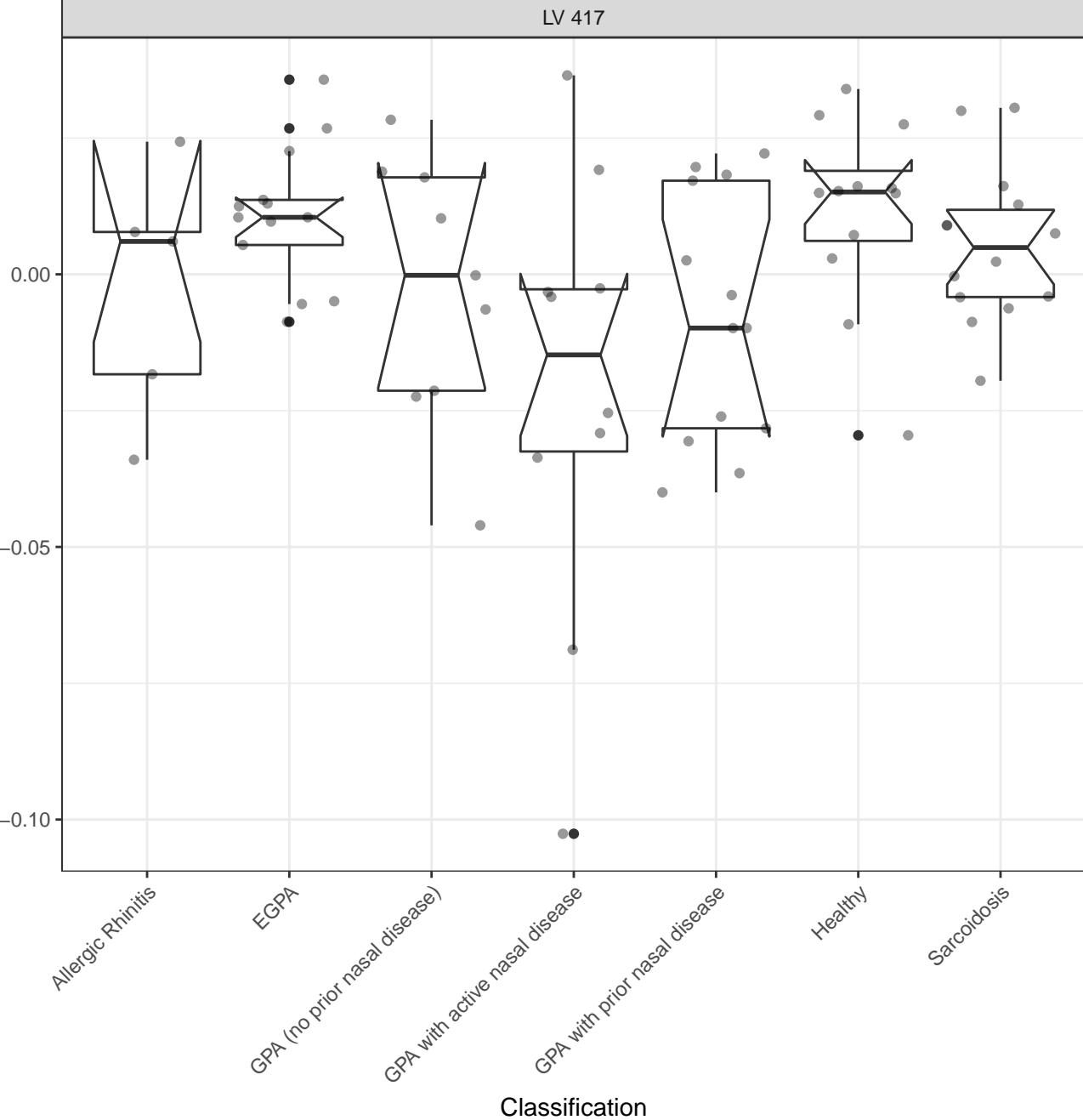
GPA with prior nasal disease

Healthy

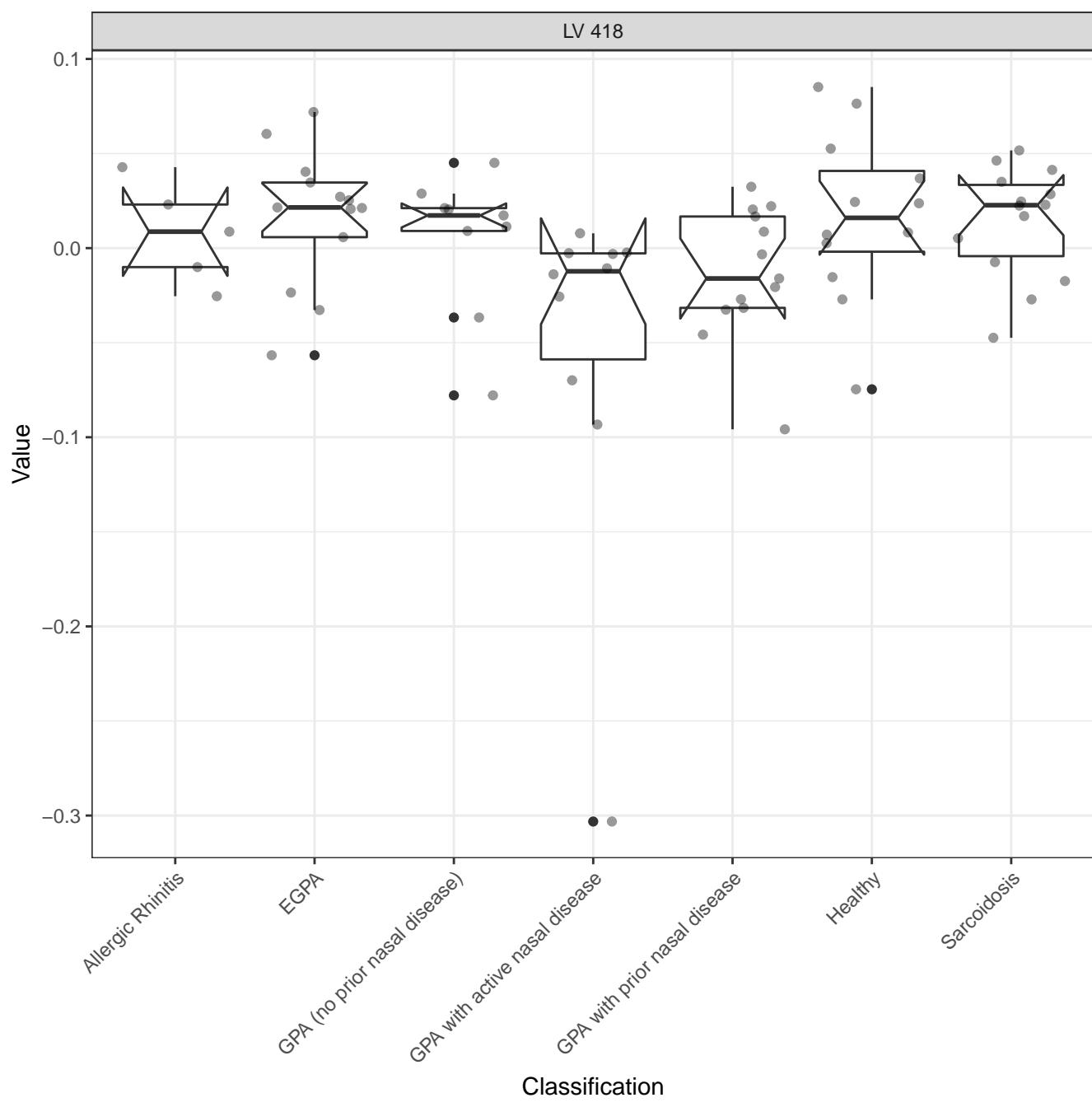
Sarcoidosis

Classification

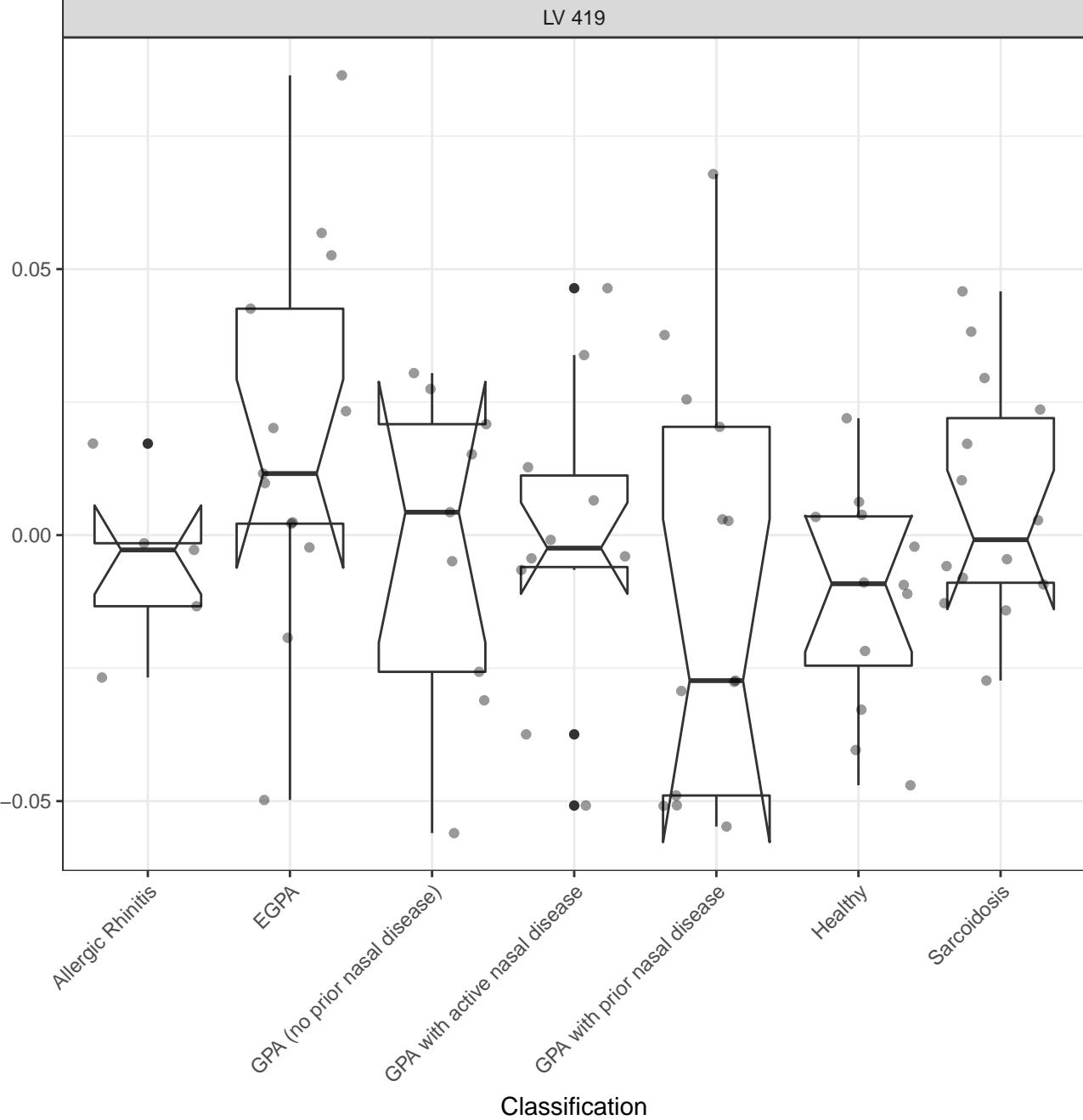
Value

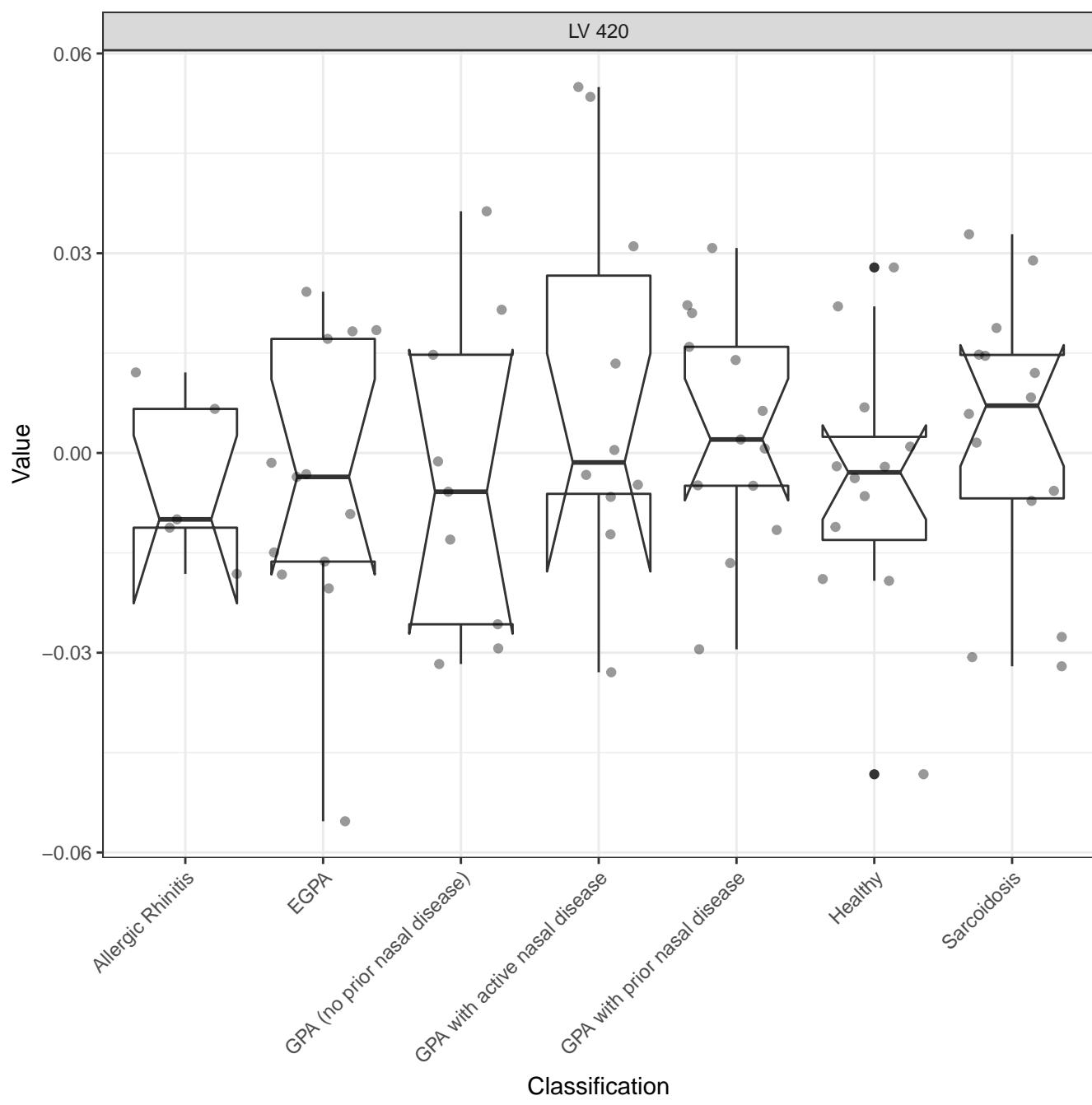


LV 418

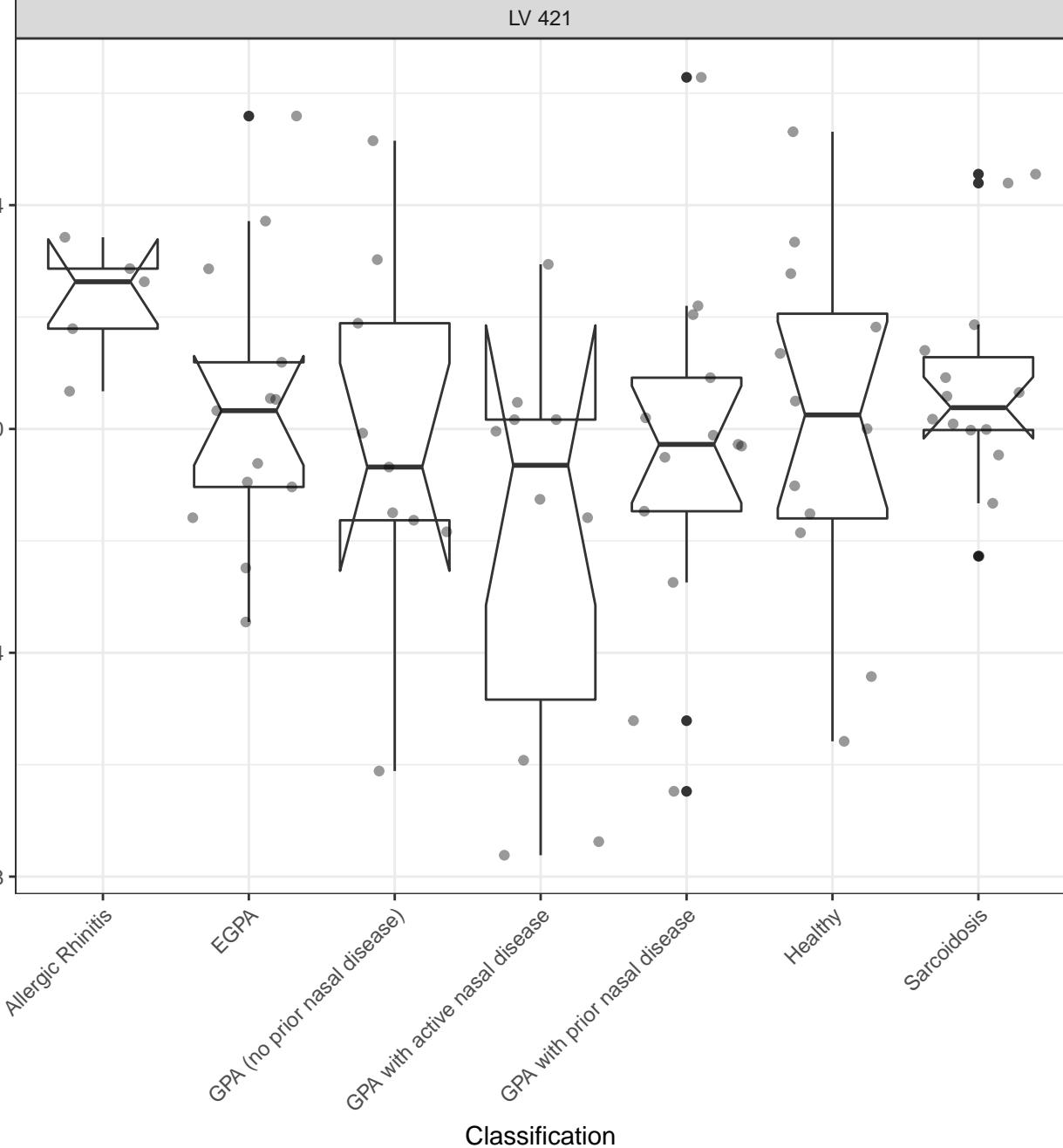


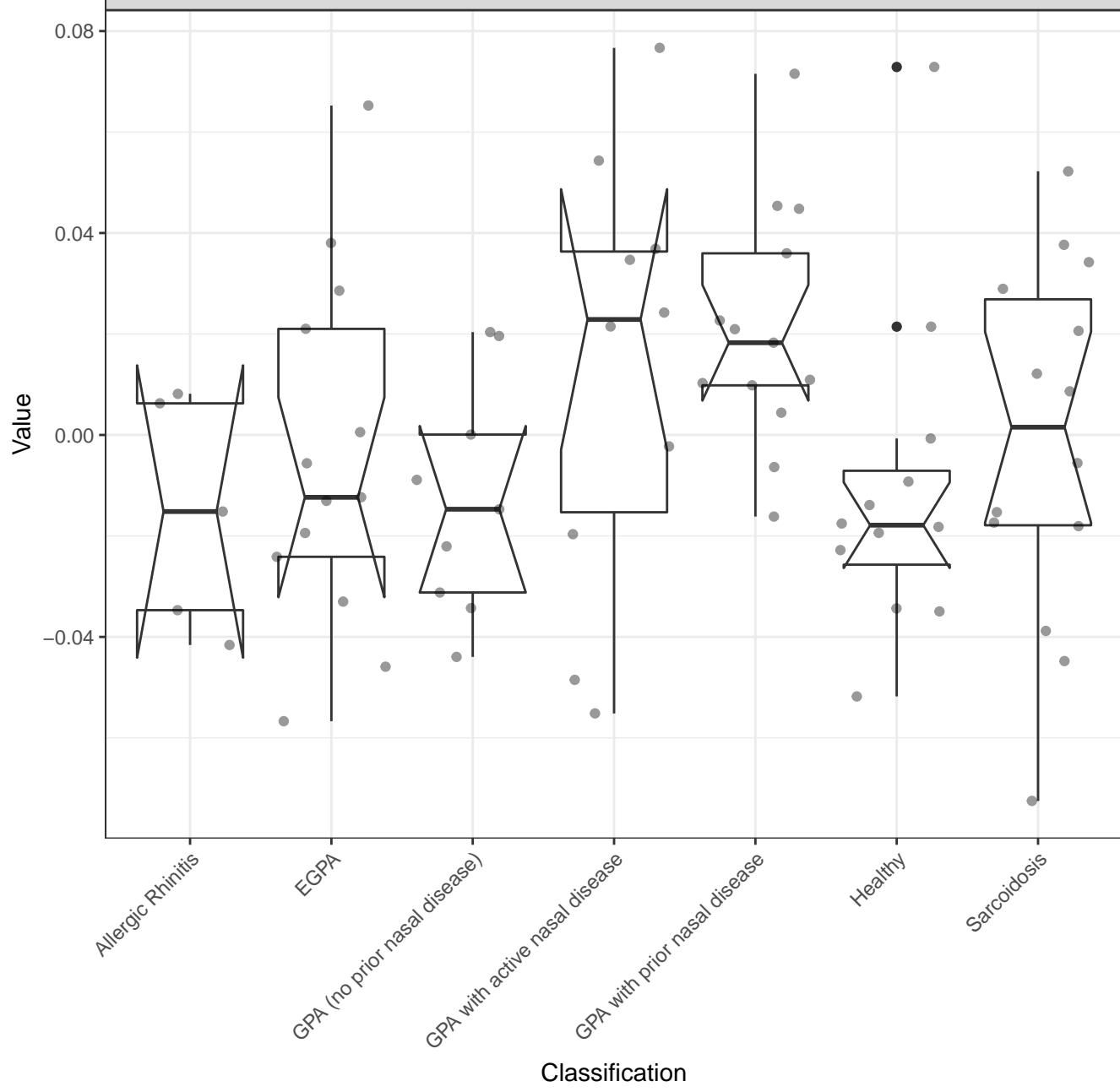
Value

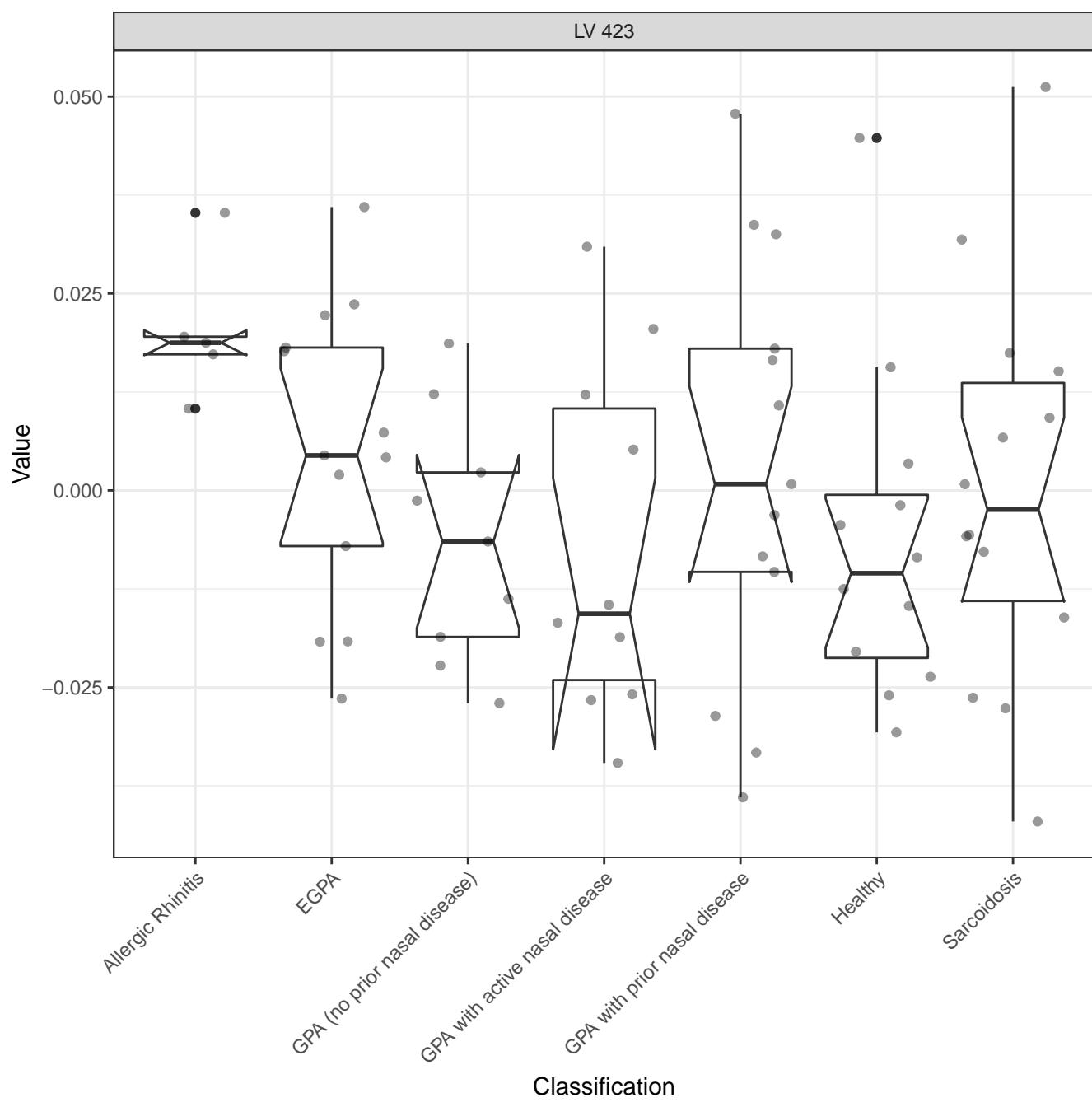




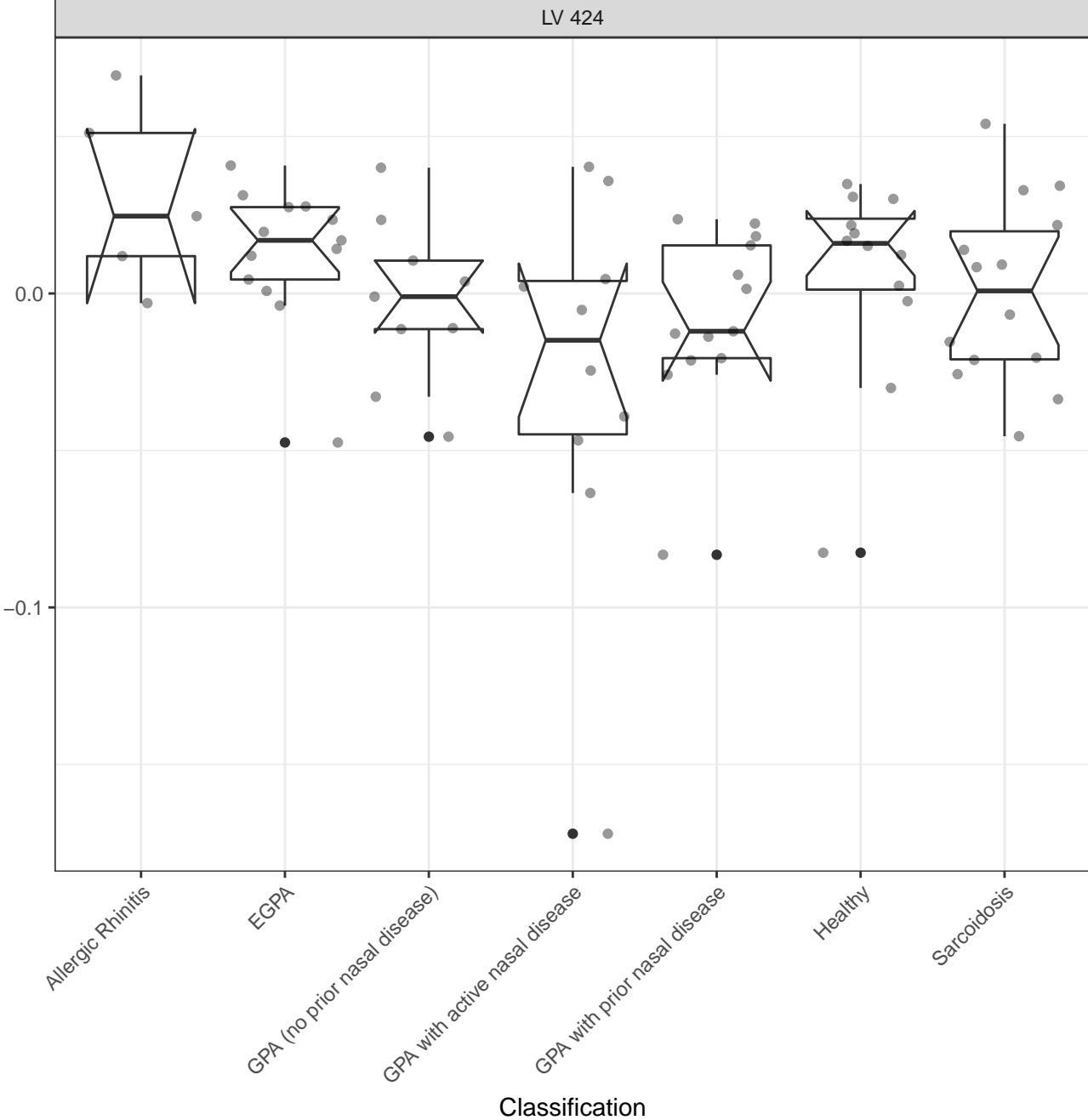
Value







Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

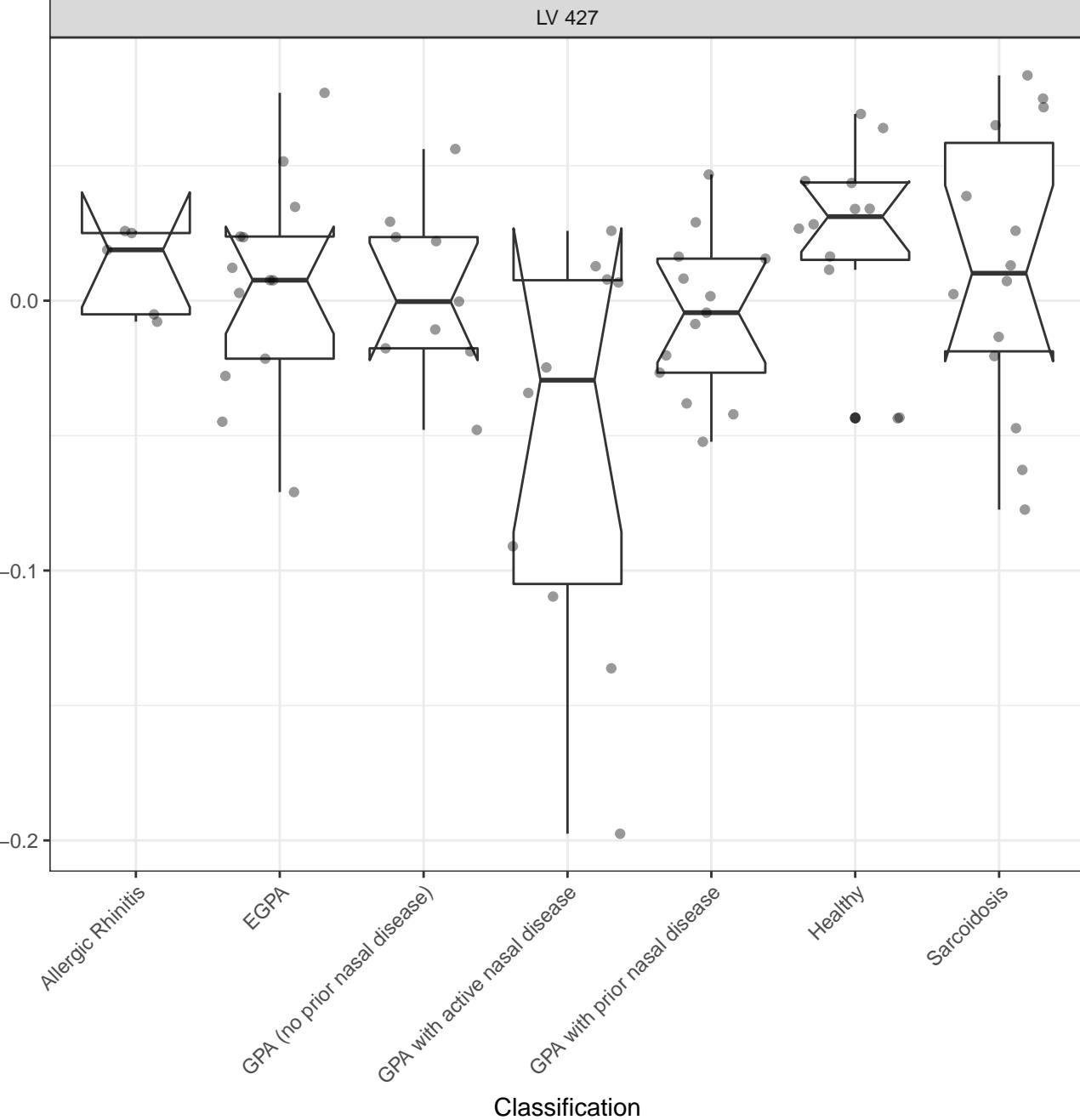
GPA with prior nasal disease

Healthy

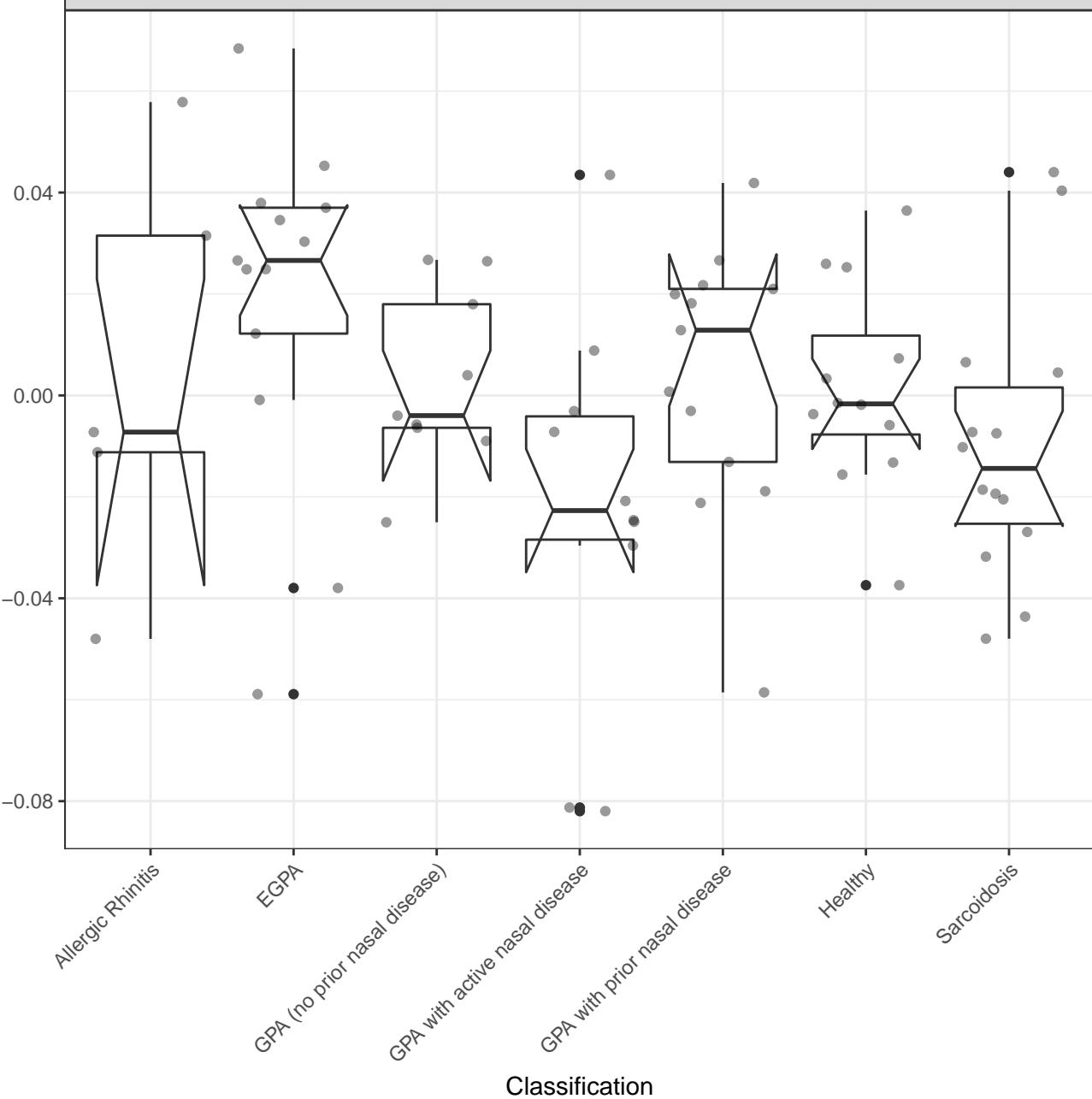
Sarcoidosis

Classification

Value



Value



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04
0.02
0.00
-0.02
-0.04
-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

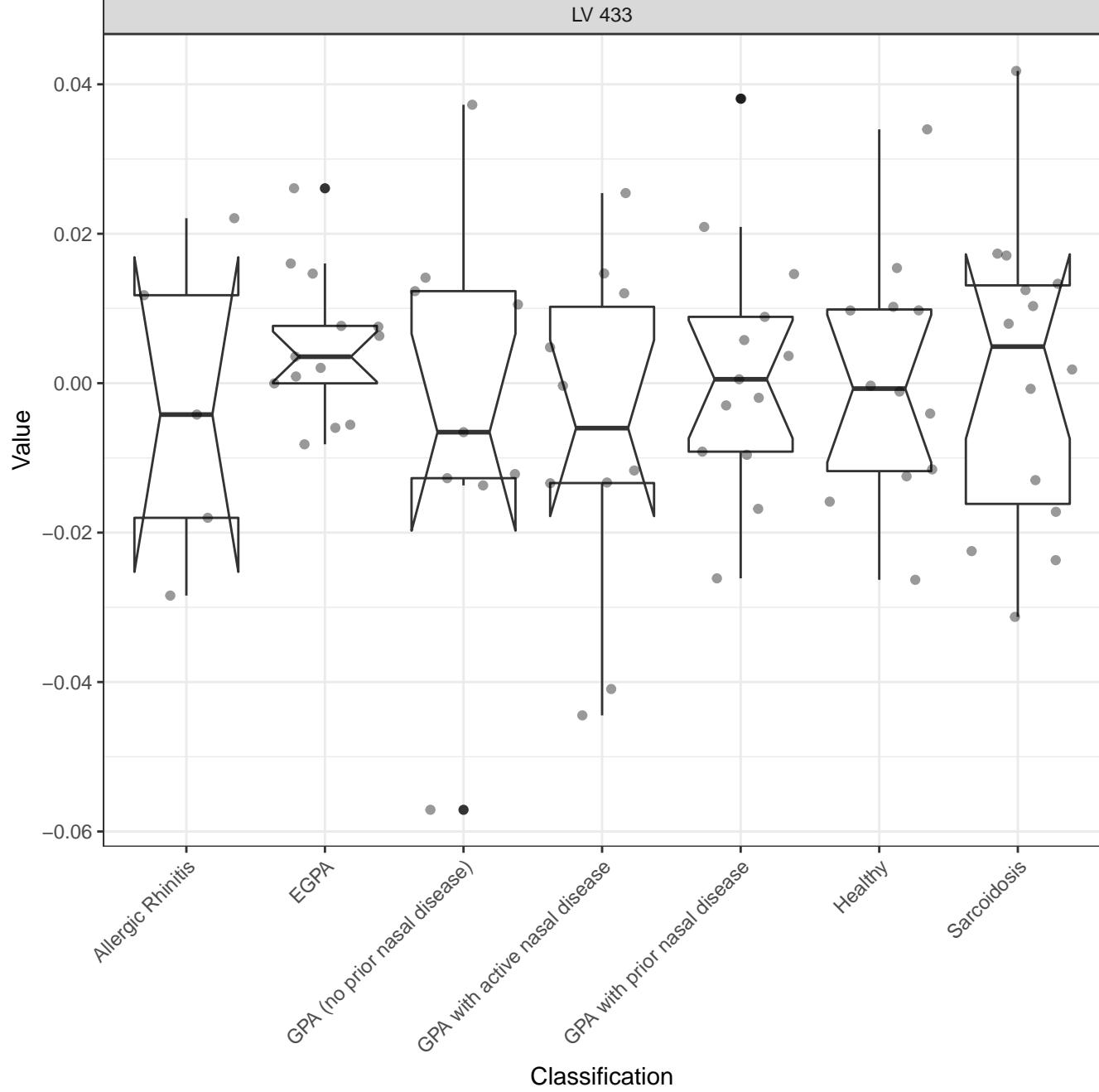
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 435

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

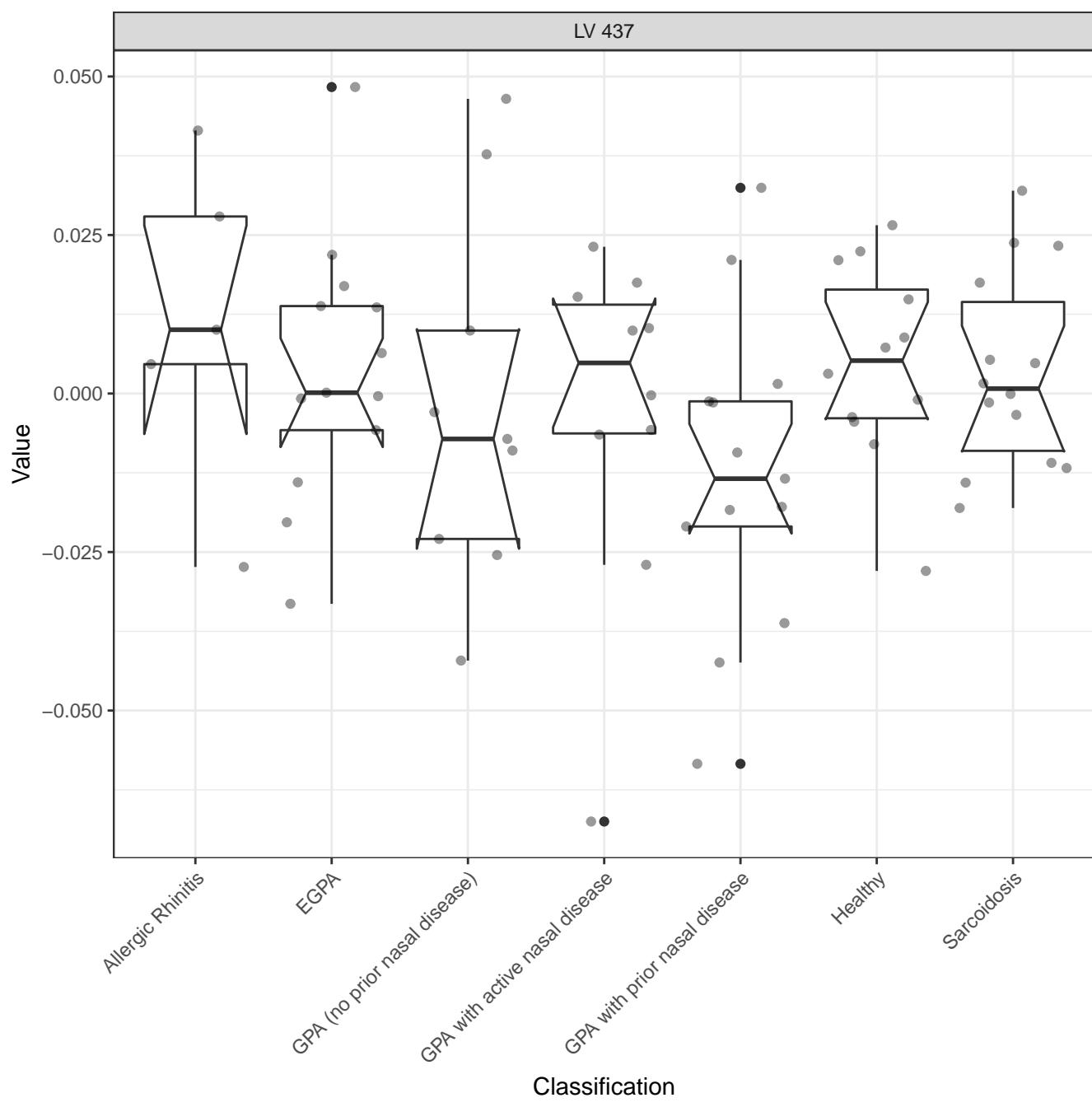
GPA with active nasal disease

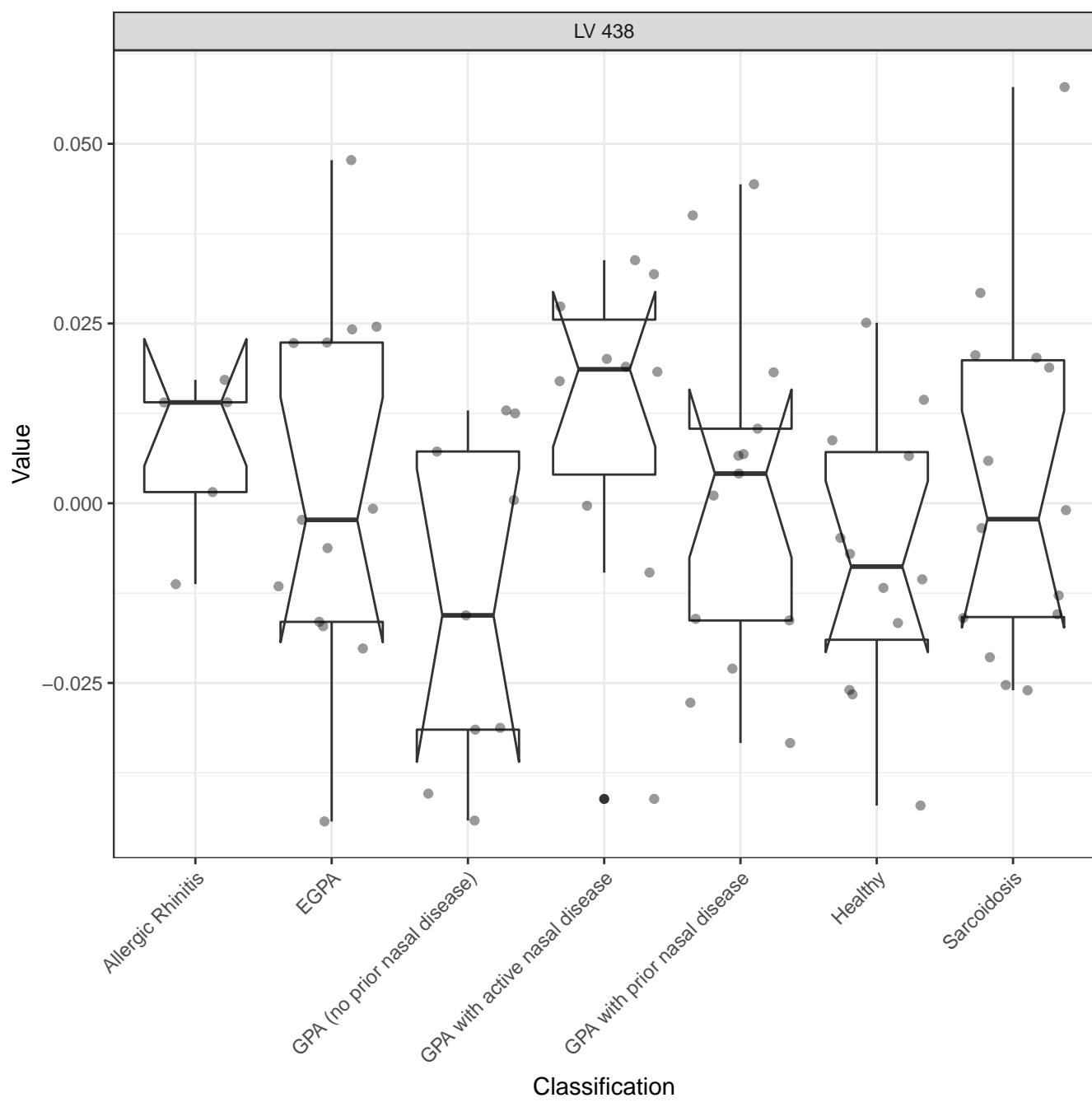
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.01

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

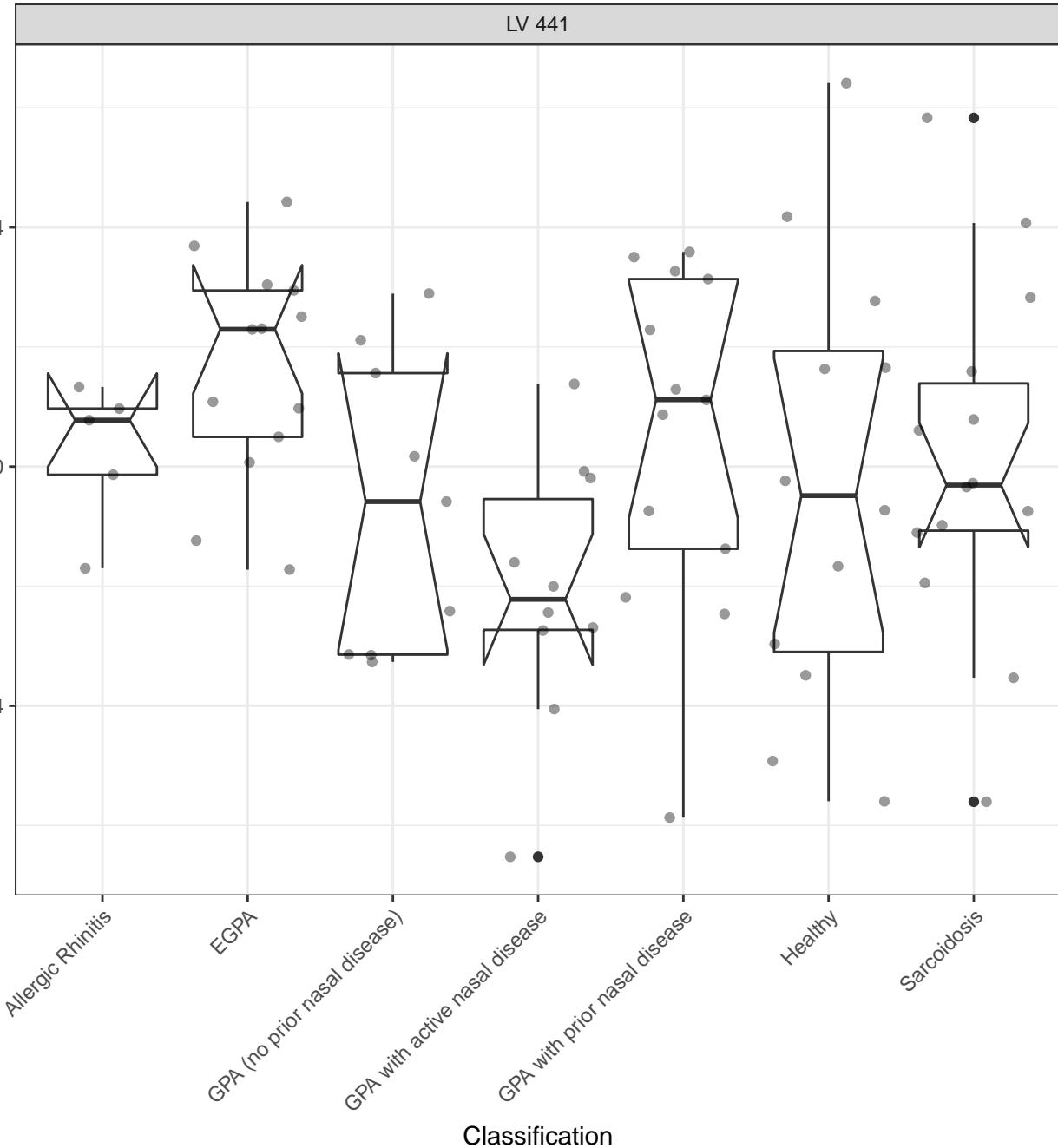
GPA with prior nasal disease

Healthy

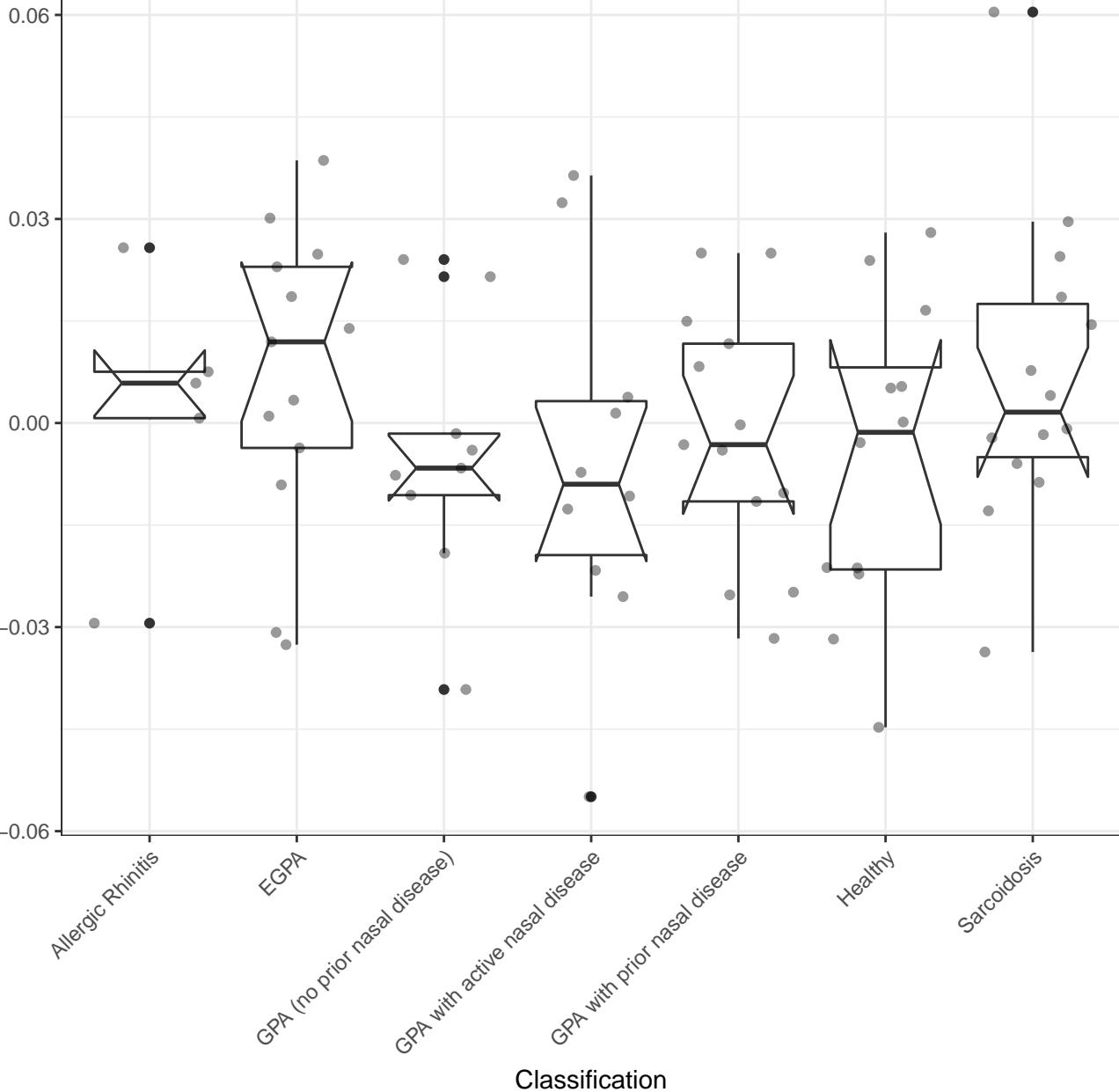
Sarcoidosis

Classification

Value



Value



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

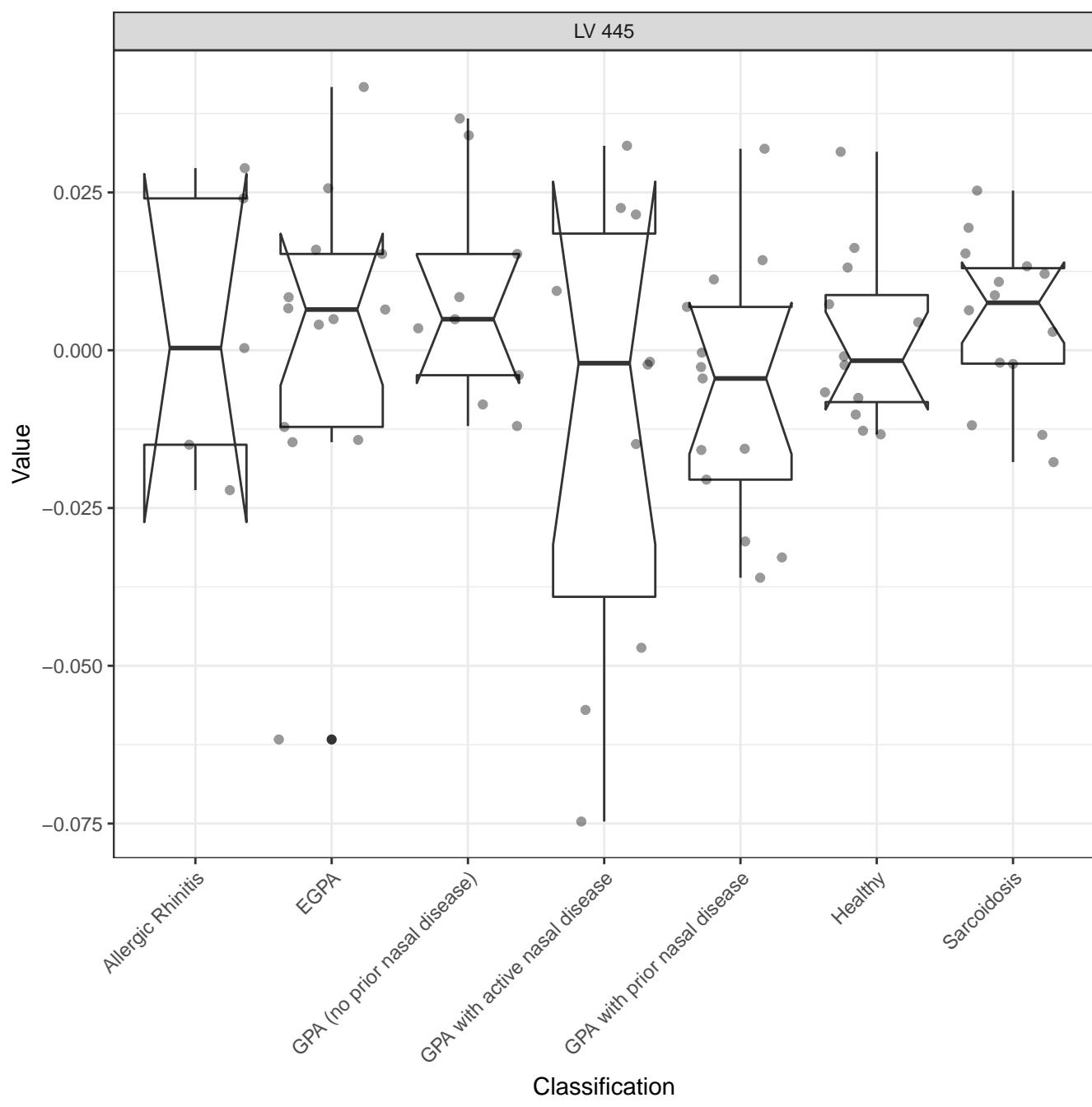
GPA with active nasal disease

GPA with prior nasal disease

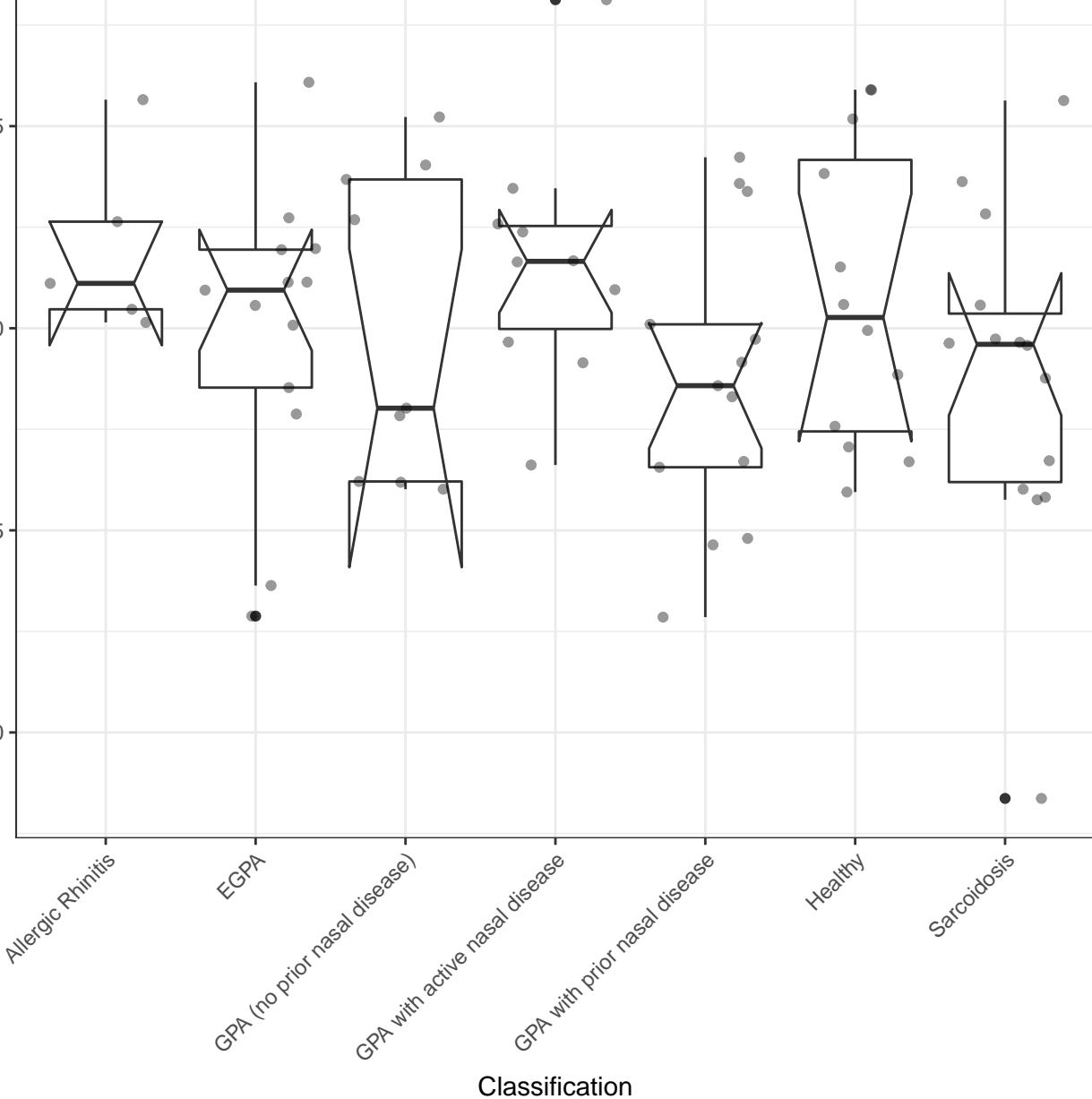
Healthy

Sarcoidosis

Classification



Value



447,KEGG_LYSOSOME

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

449,REACTOME_ELONGATION_ARREST_AND_RECOVERY

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

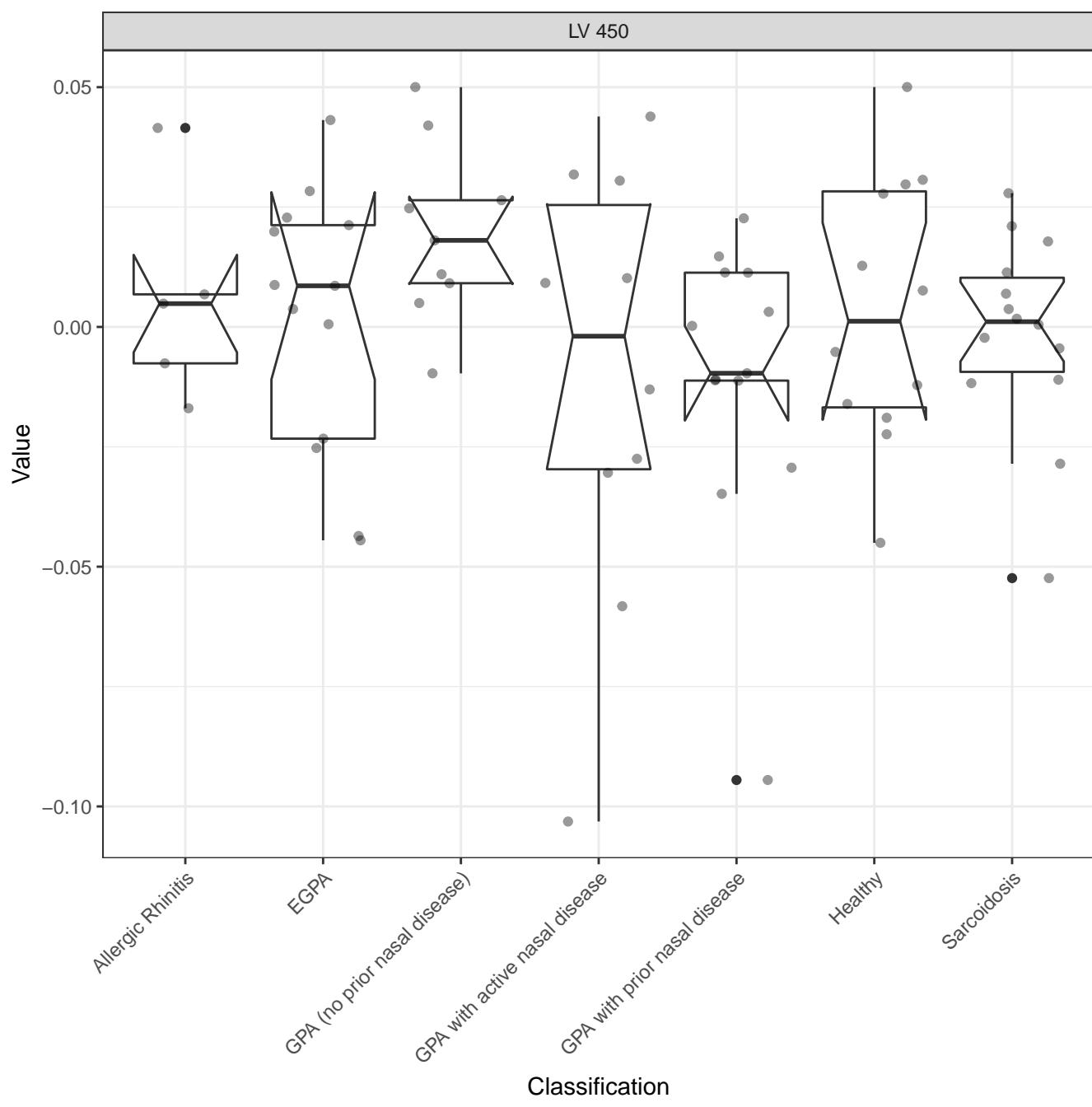
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



451,REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

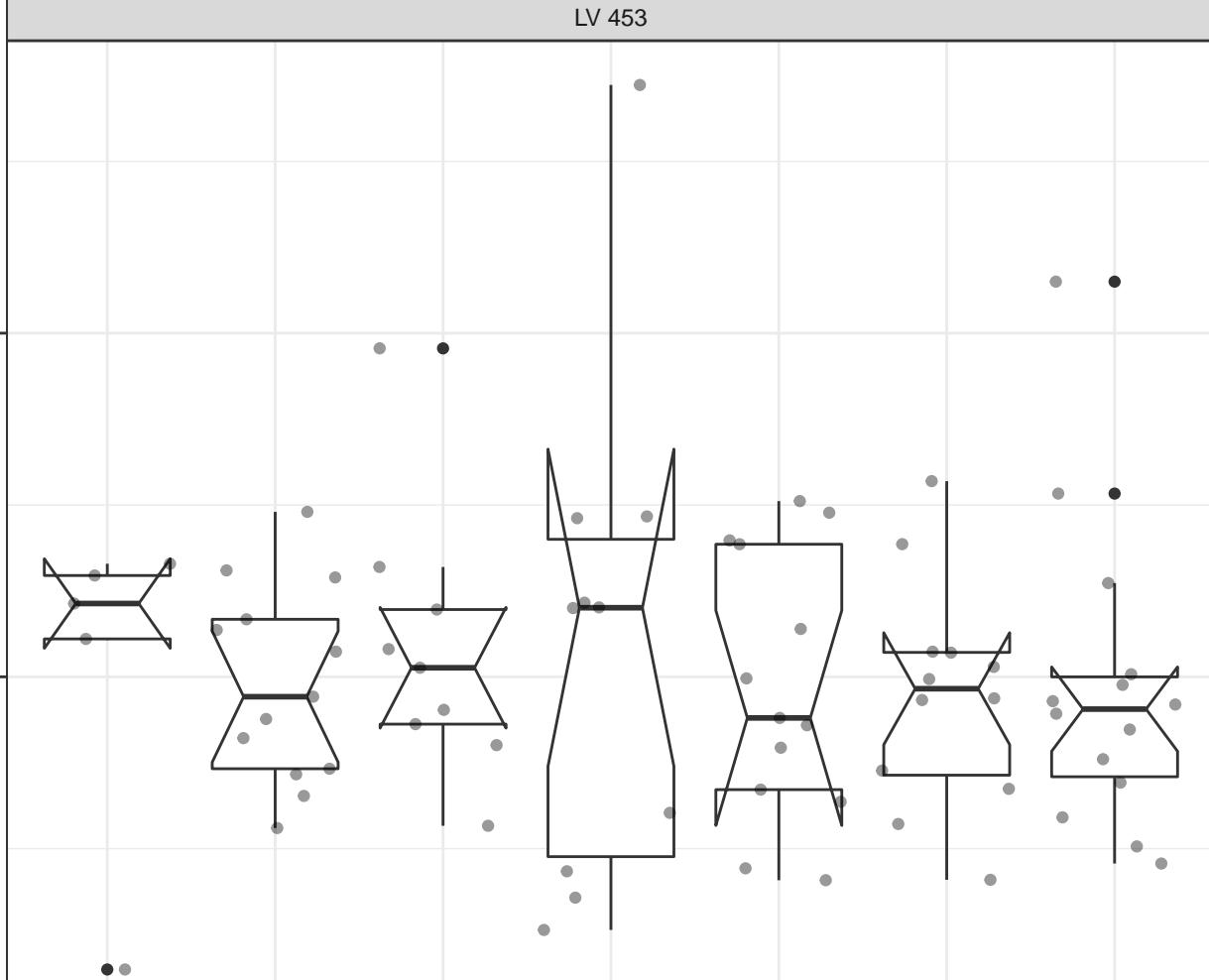
GPA with active nasal disease

GPA with prior nasal disease

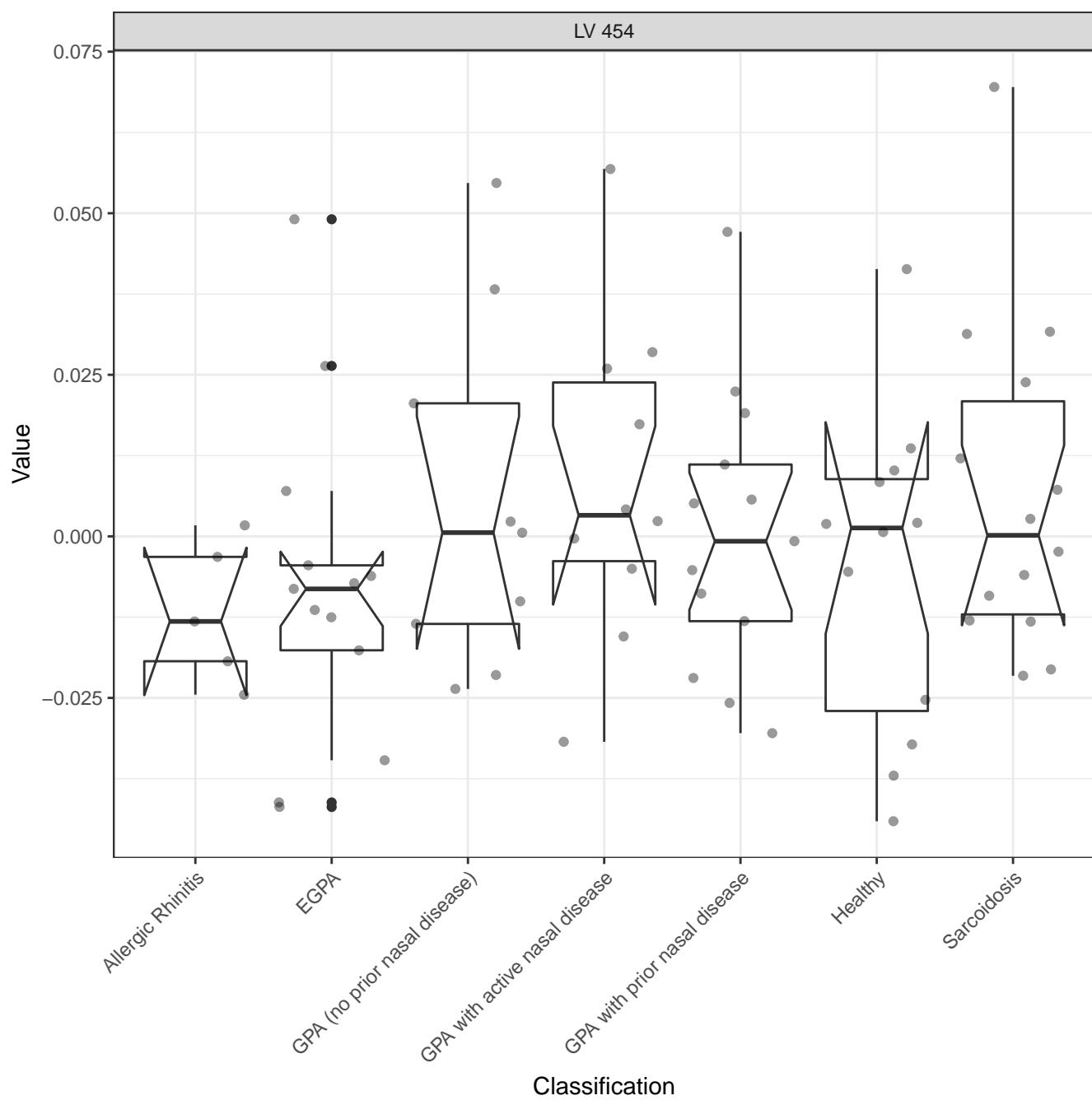
Healthy

Sarcoidosis

Classification



LV 454



Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

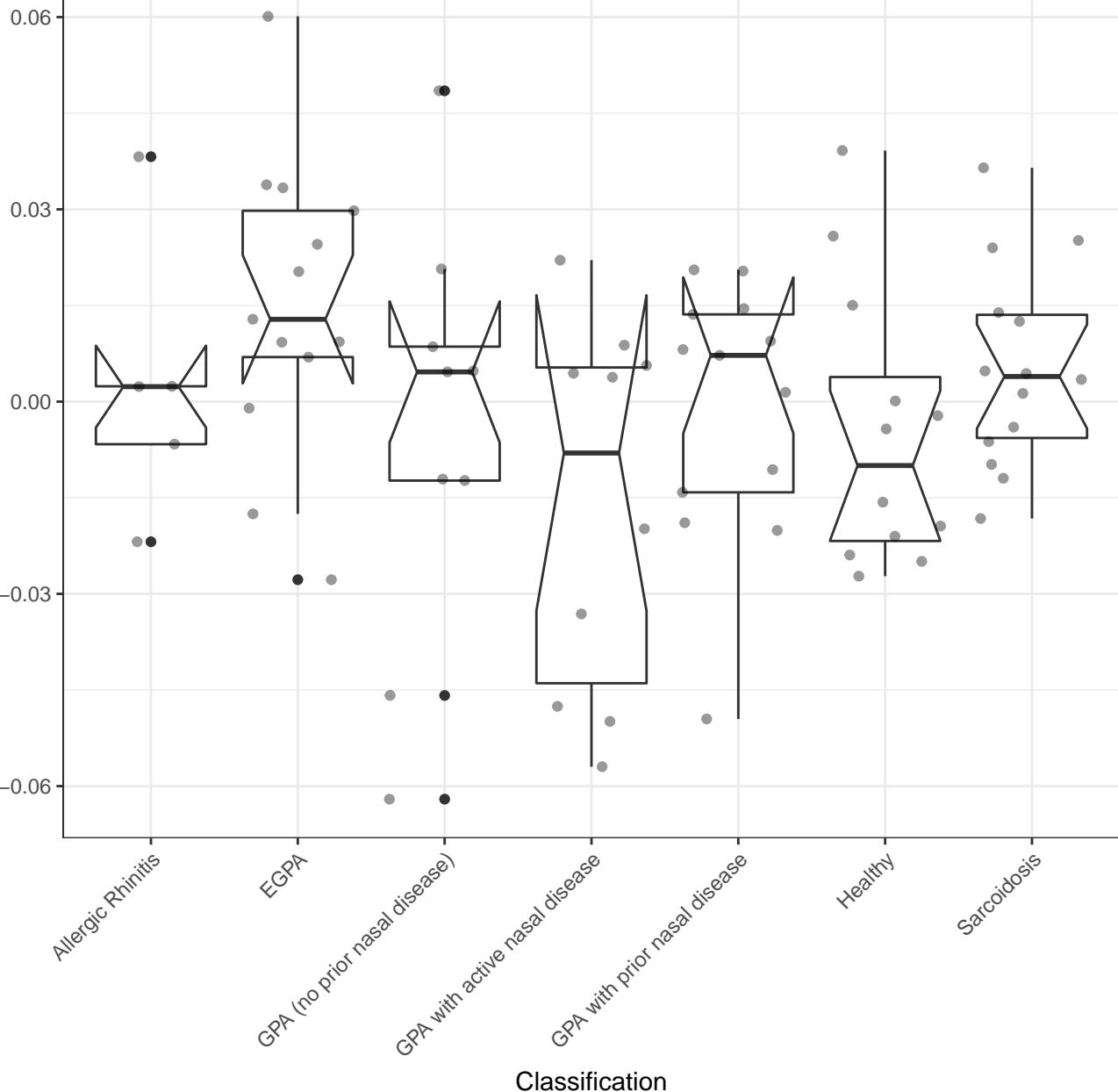
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.15

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

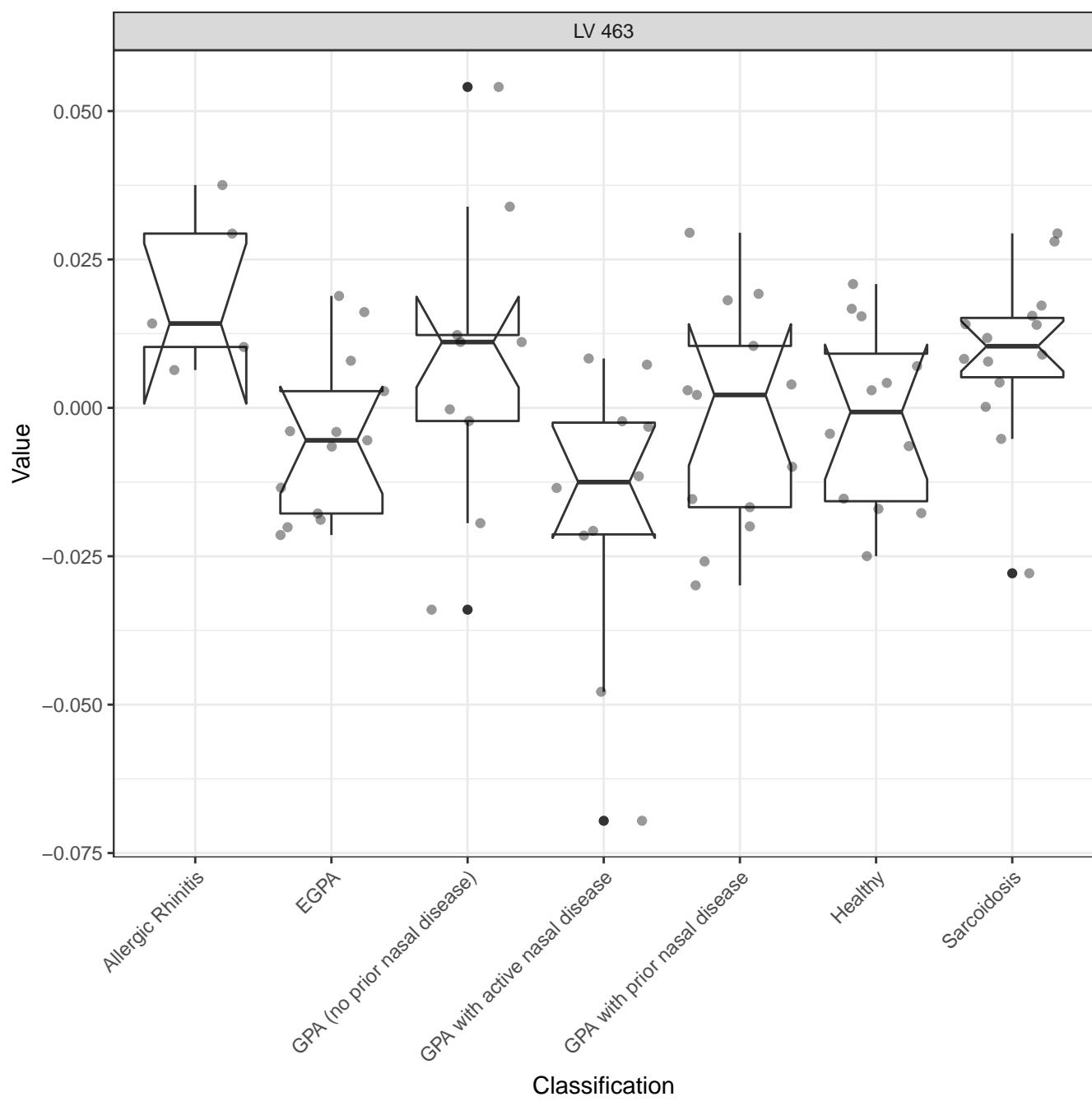
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

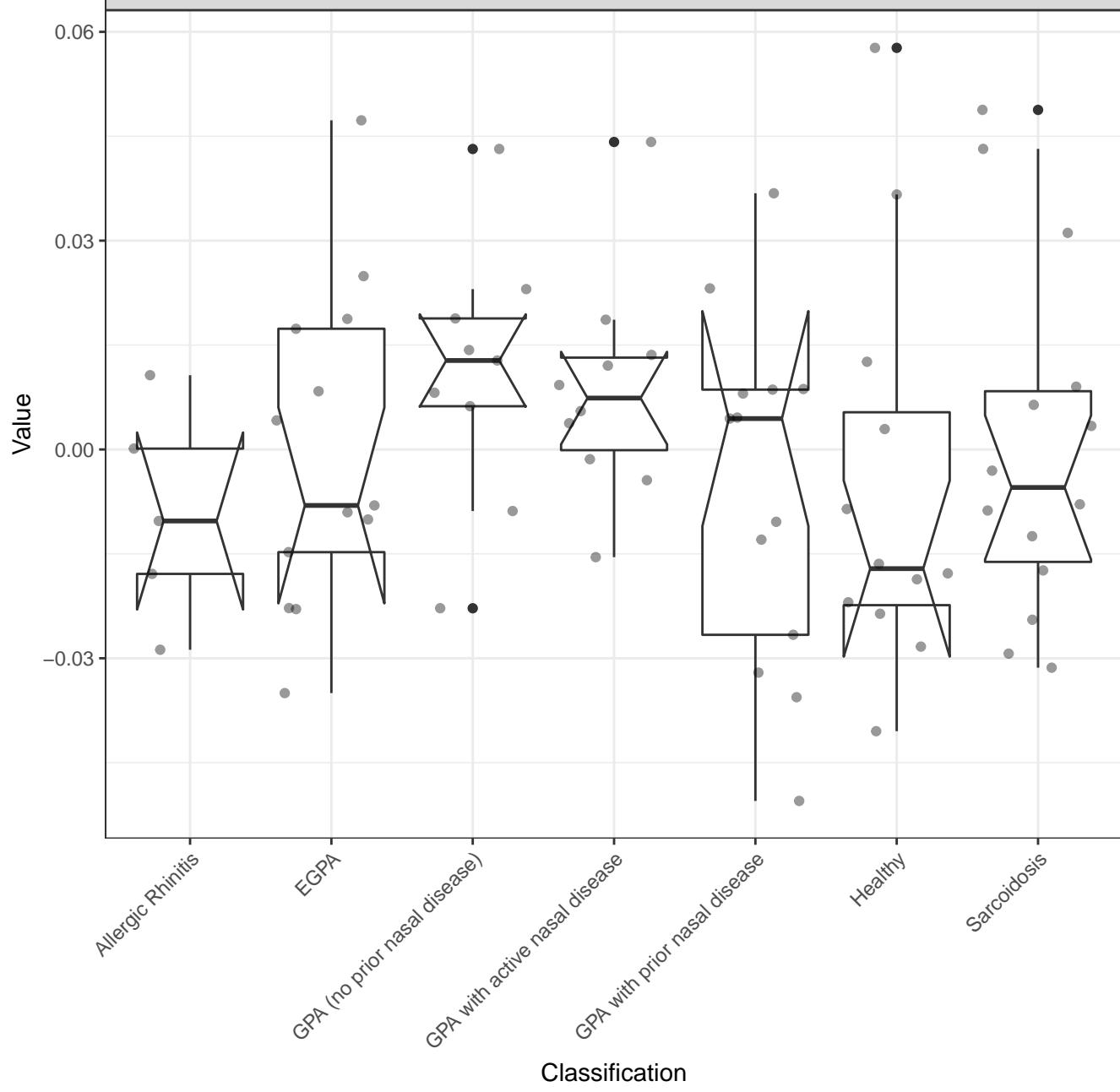
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

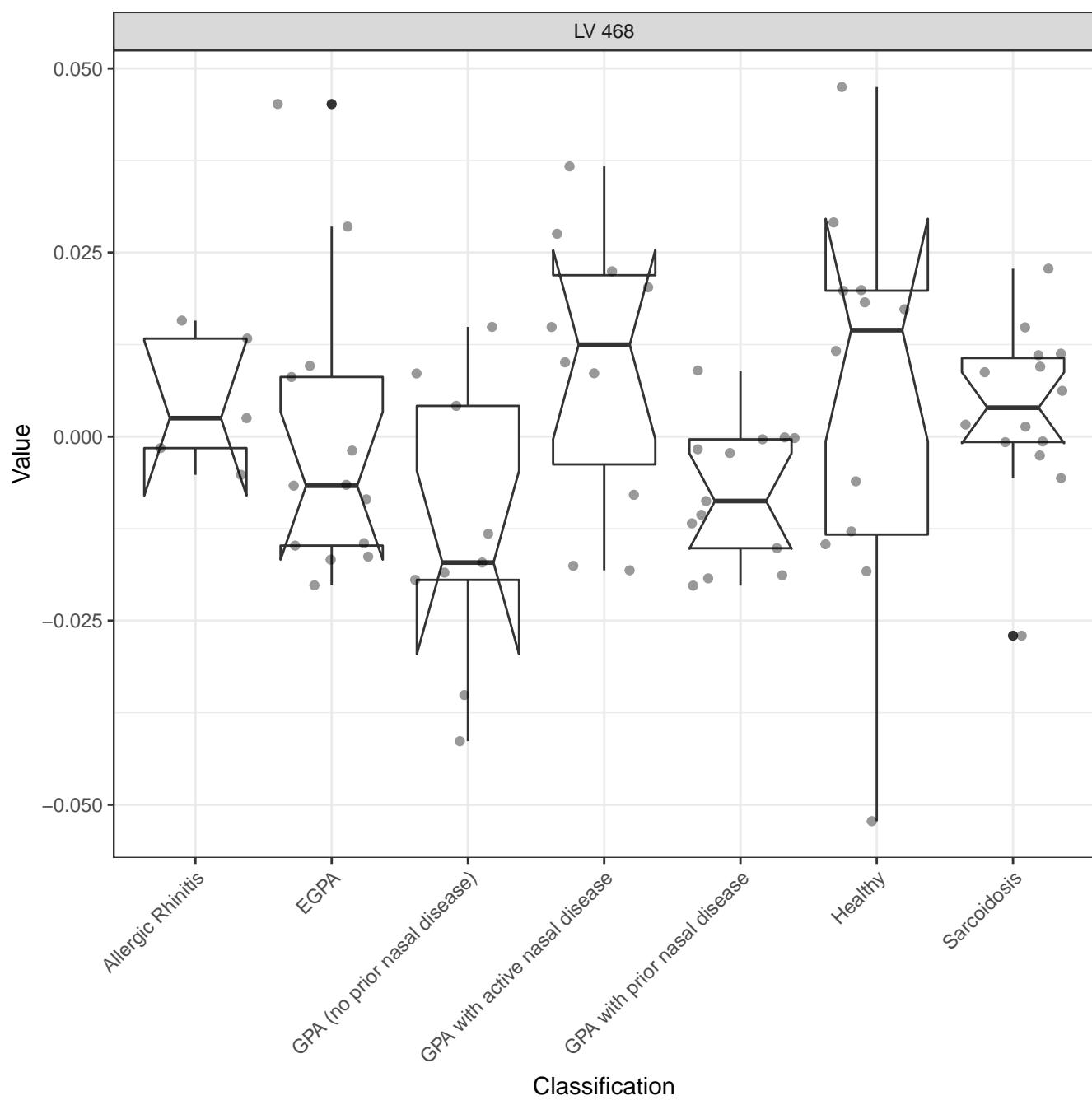
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 468



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

Healthy

Sarcoidosis

Classification

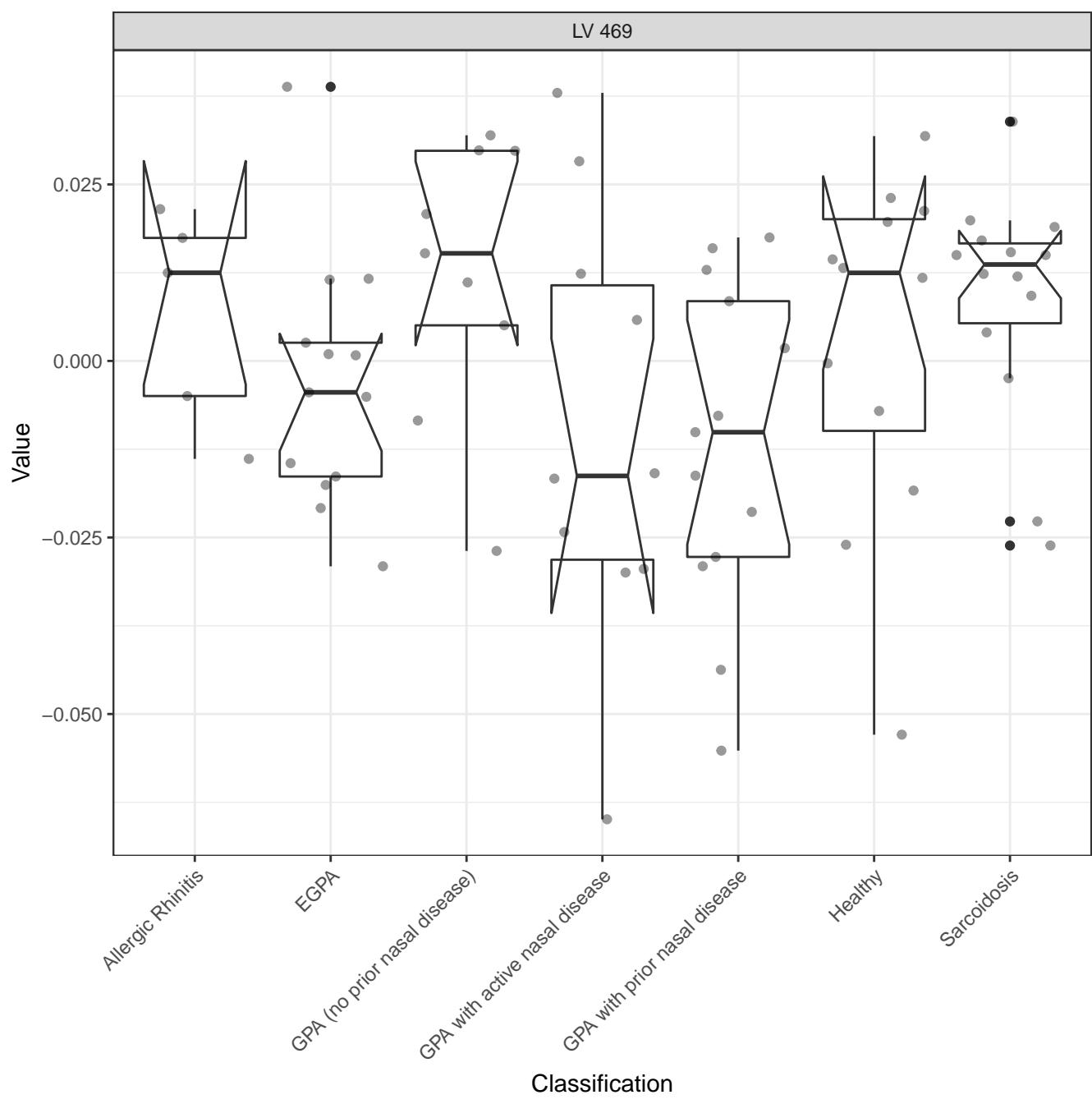
0.025

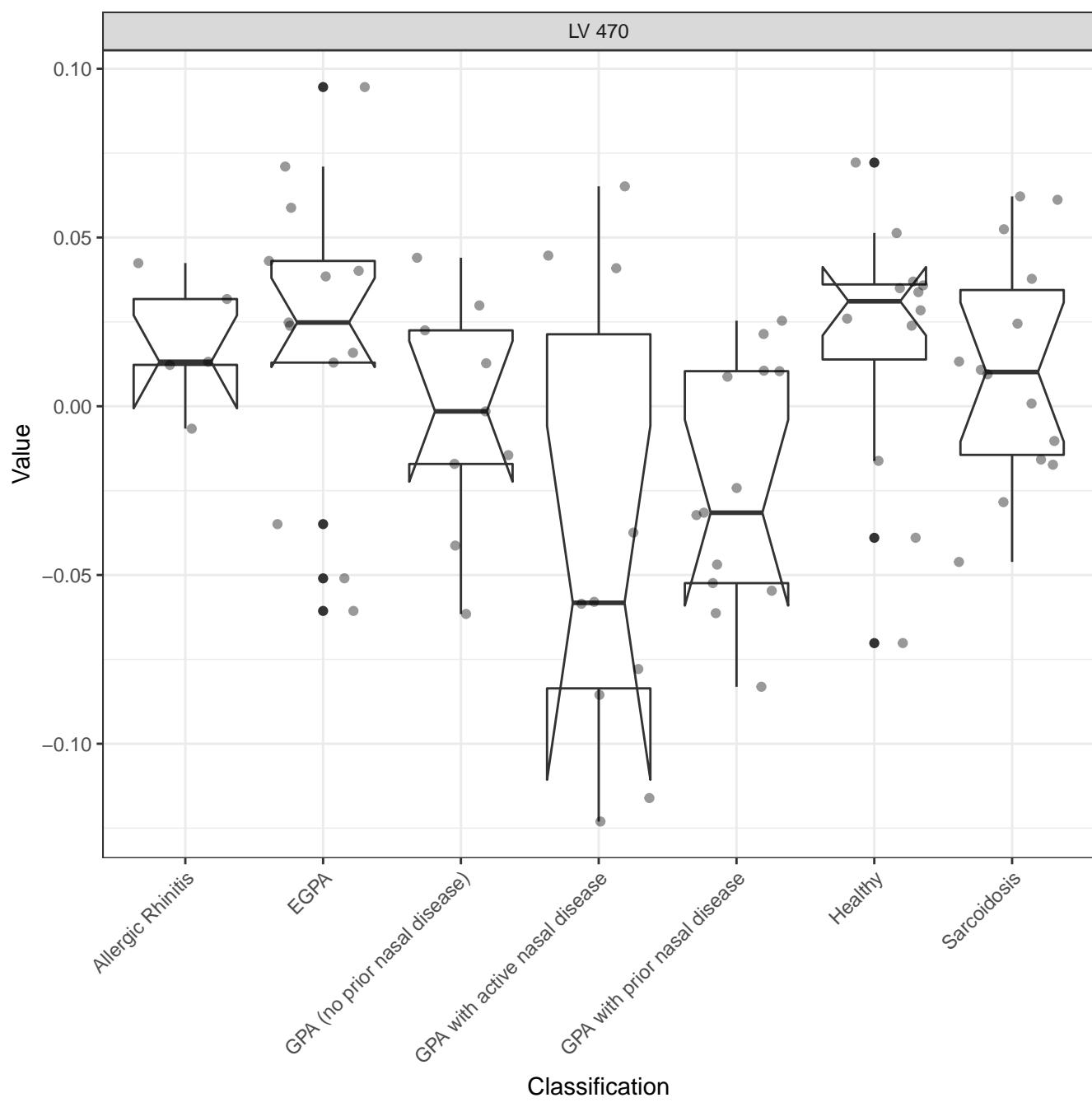
0.000

-0.025

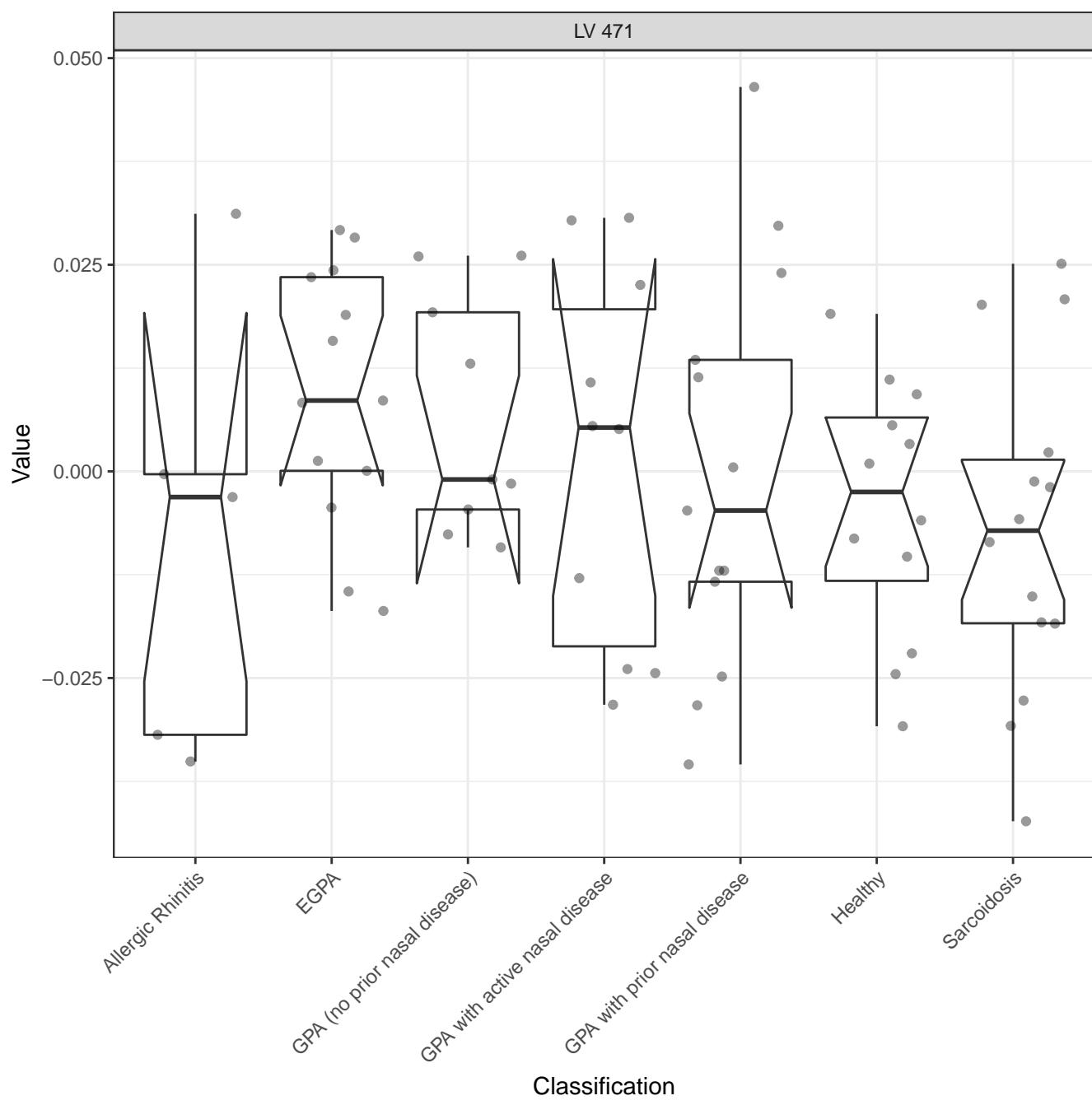
-0.050

LV 469





LV 471



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

473,KEGG_COMPLEMENT_AND_COAGULATION_CASCADES

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

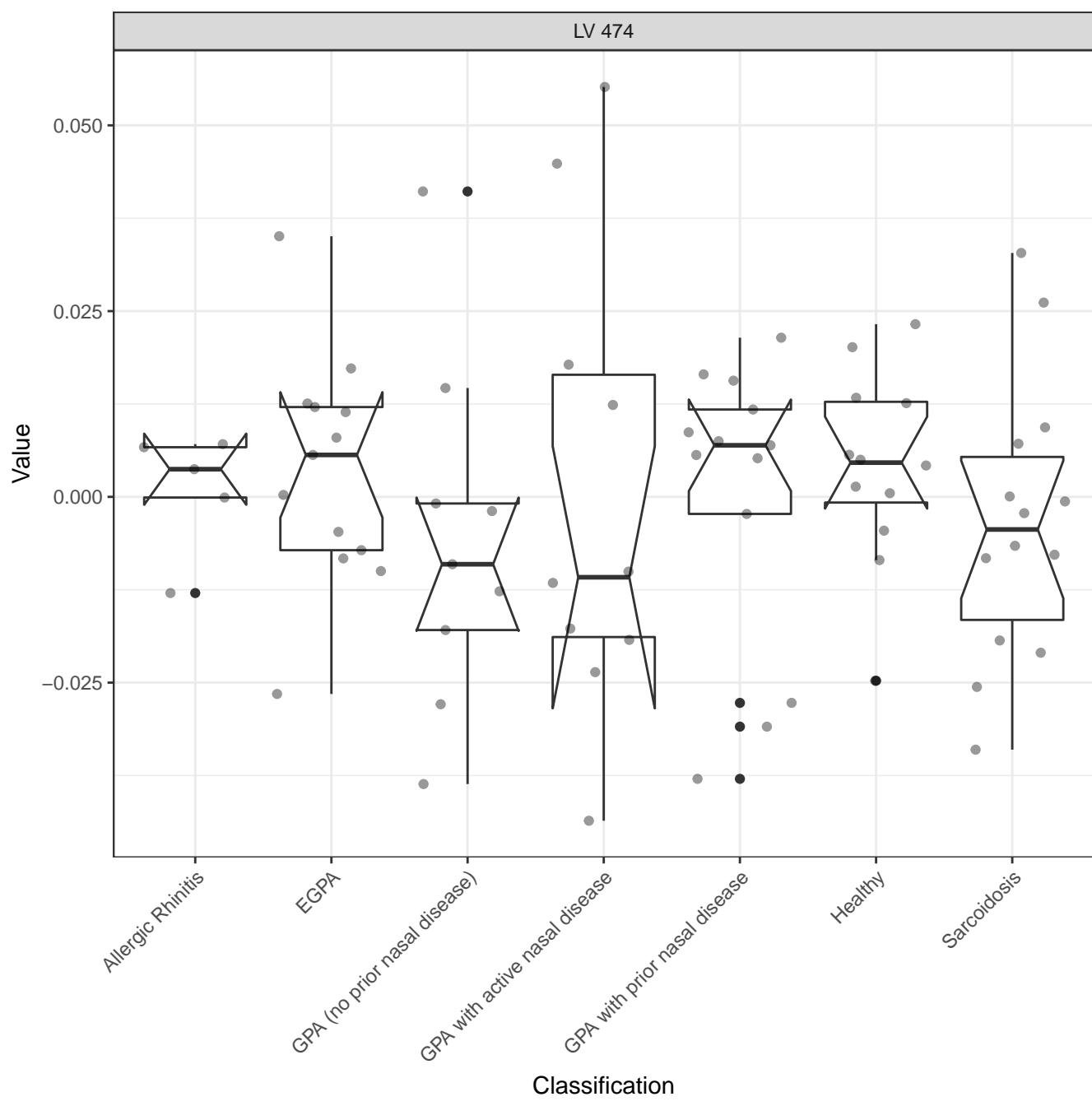
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.02

-0.02

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

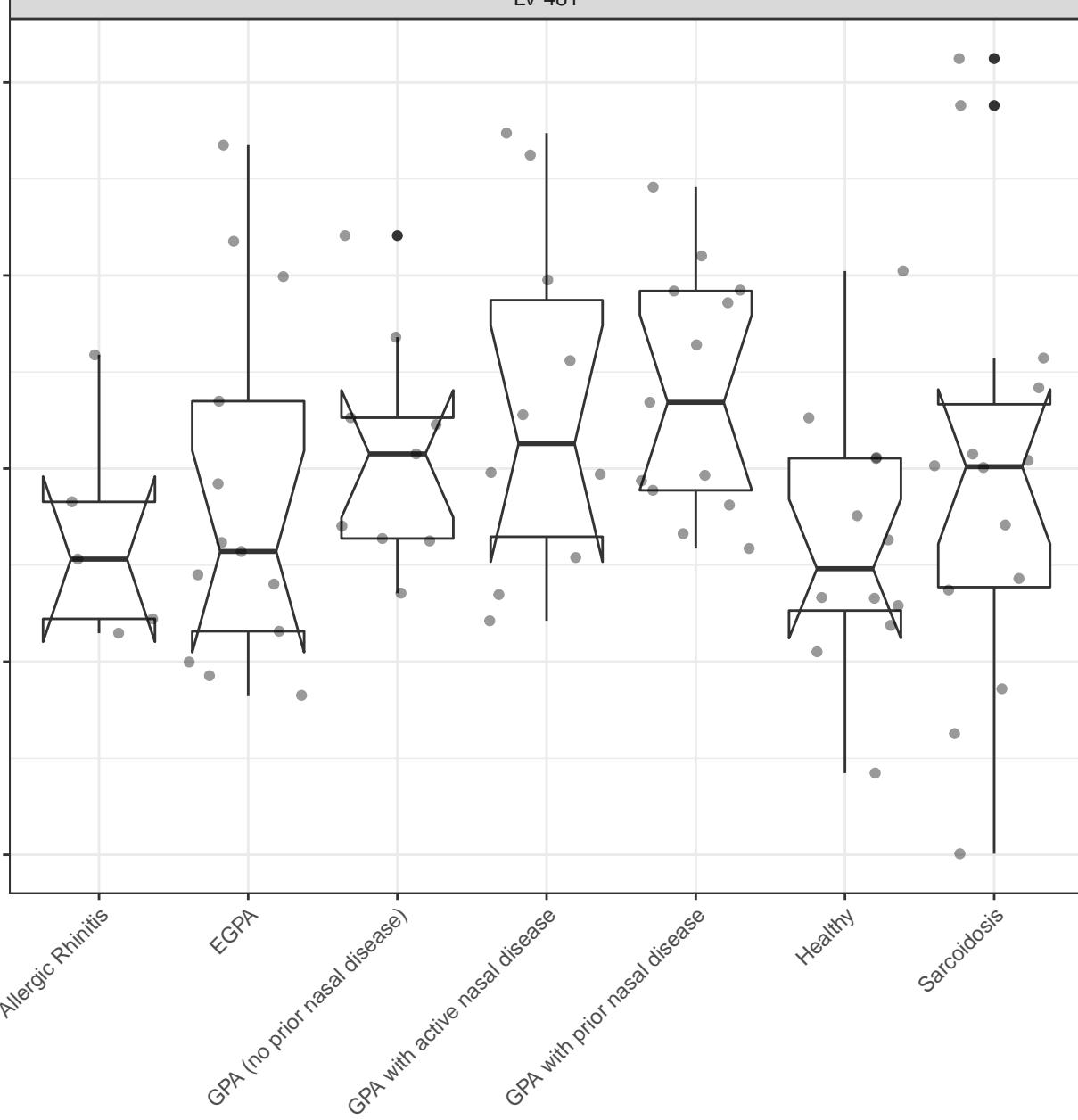
GPA with active nasal disease

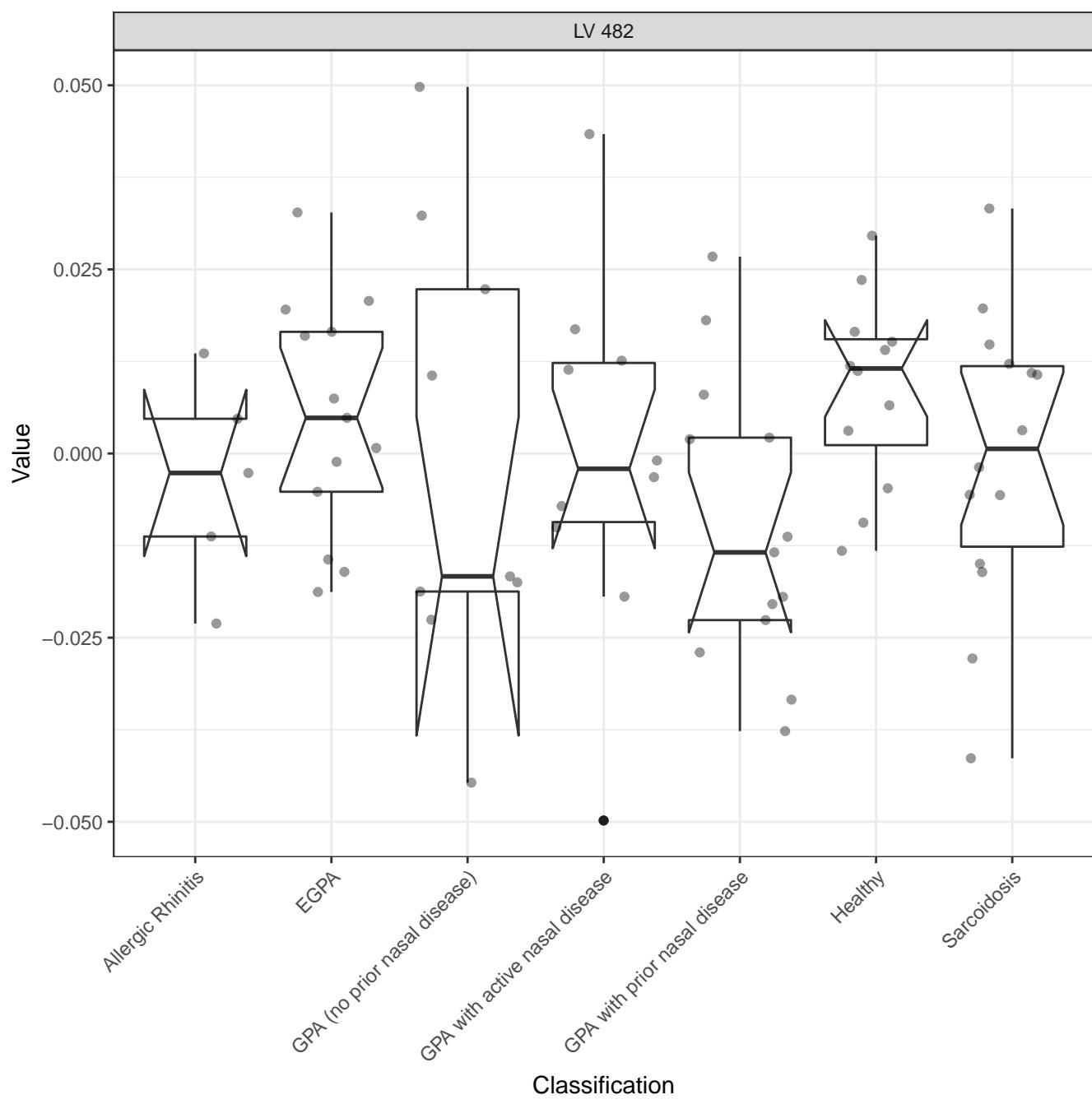
GPA with prior nasal disease

Healthy

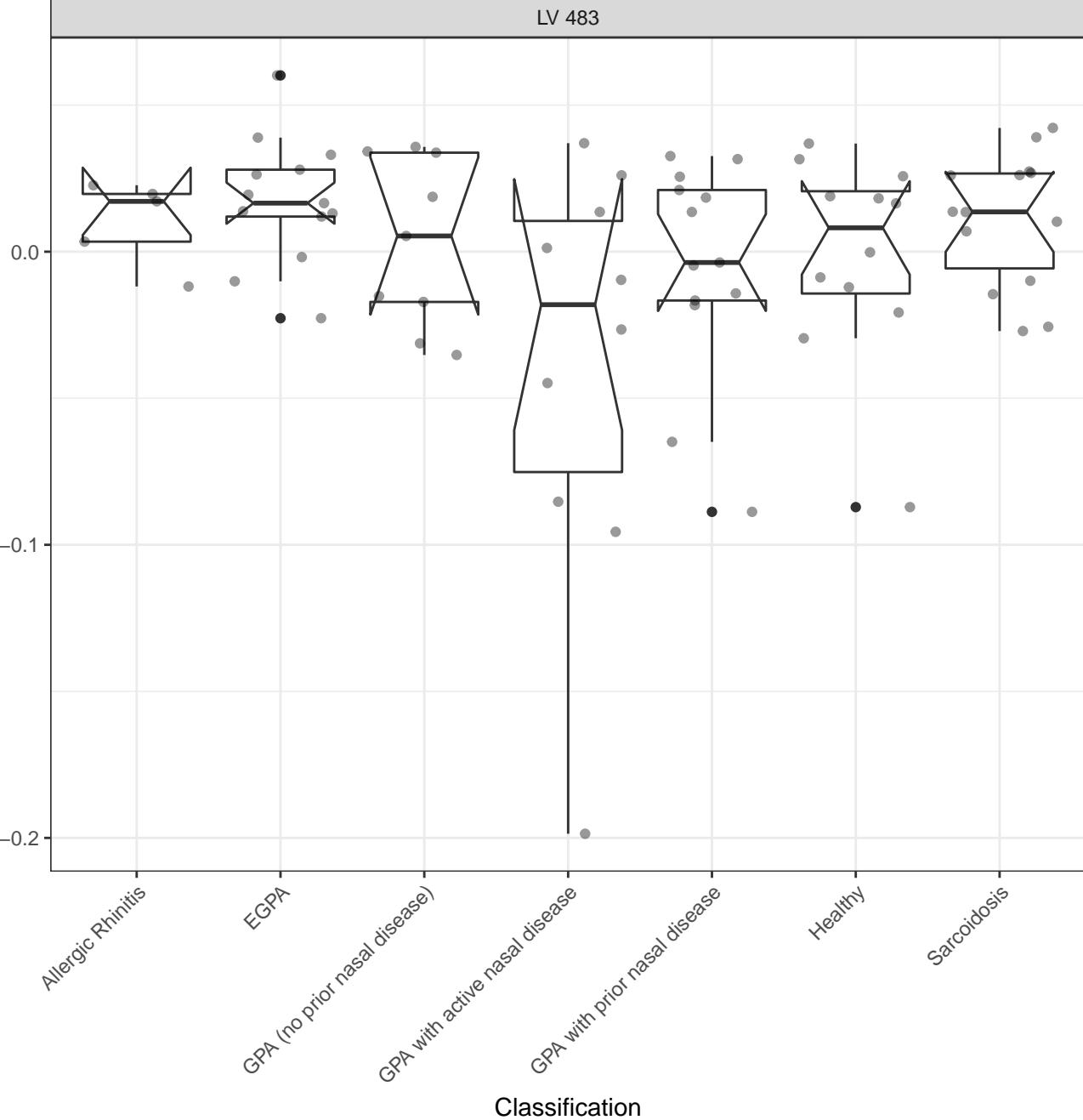
Sarcoidosis

Classification





Value



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

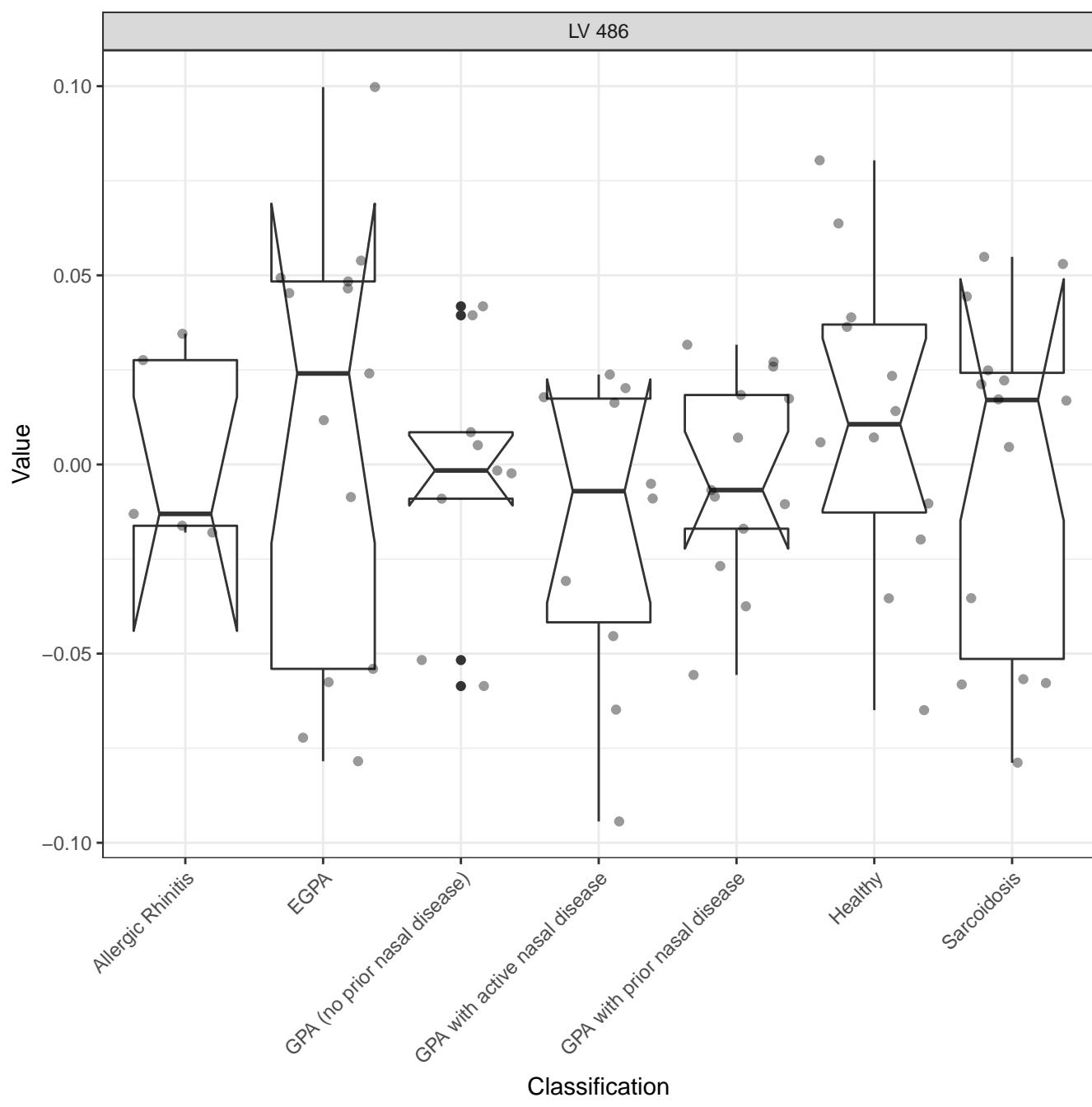
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

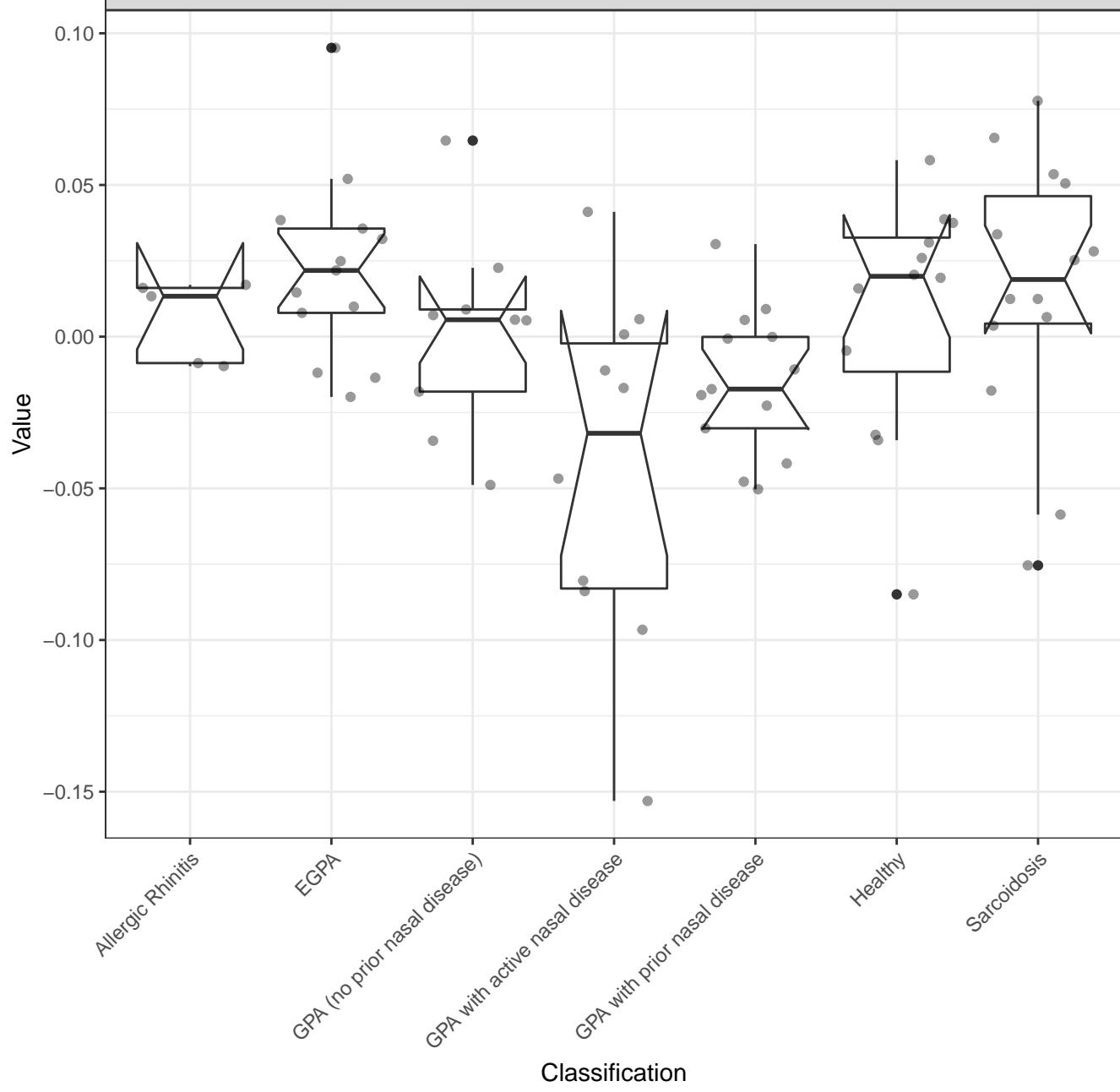
GPA with prior nasal disease

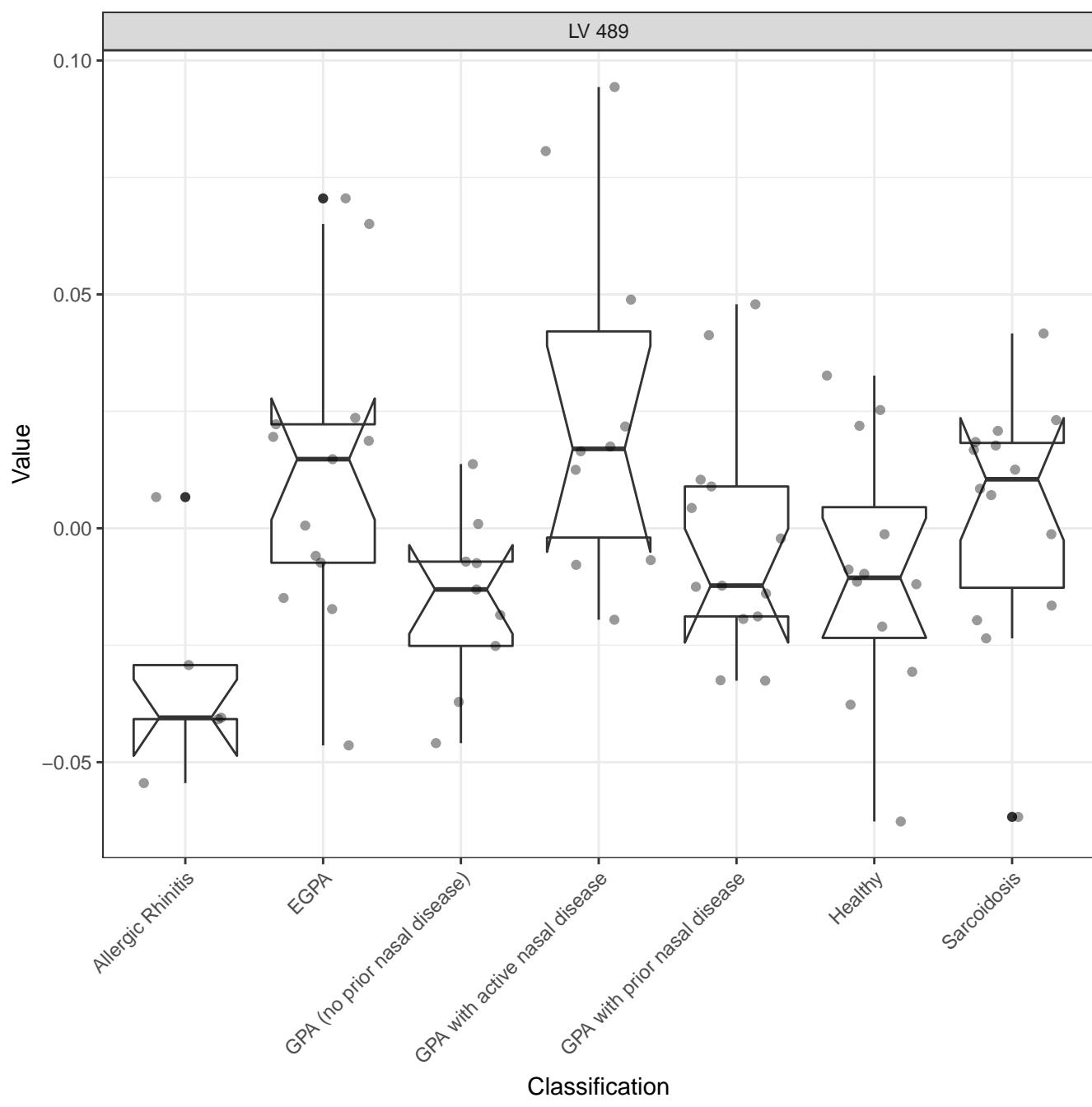
Healthy

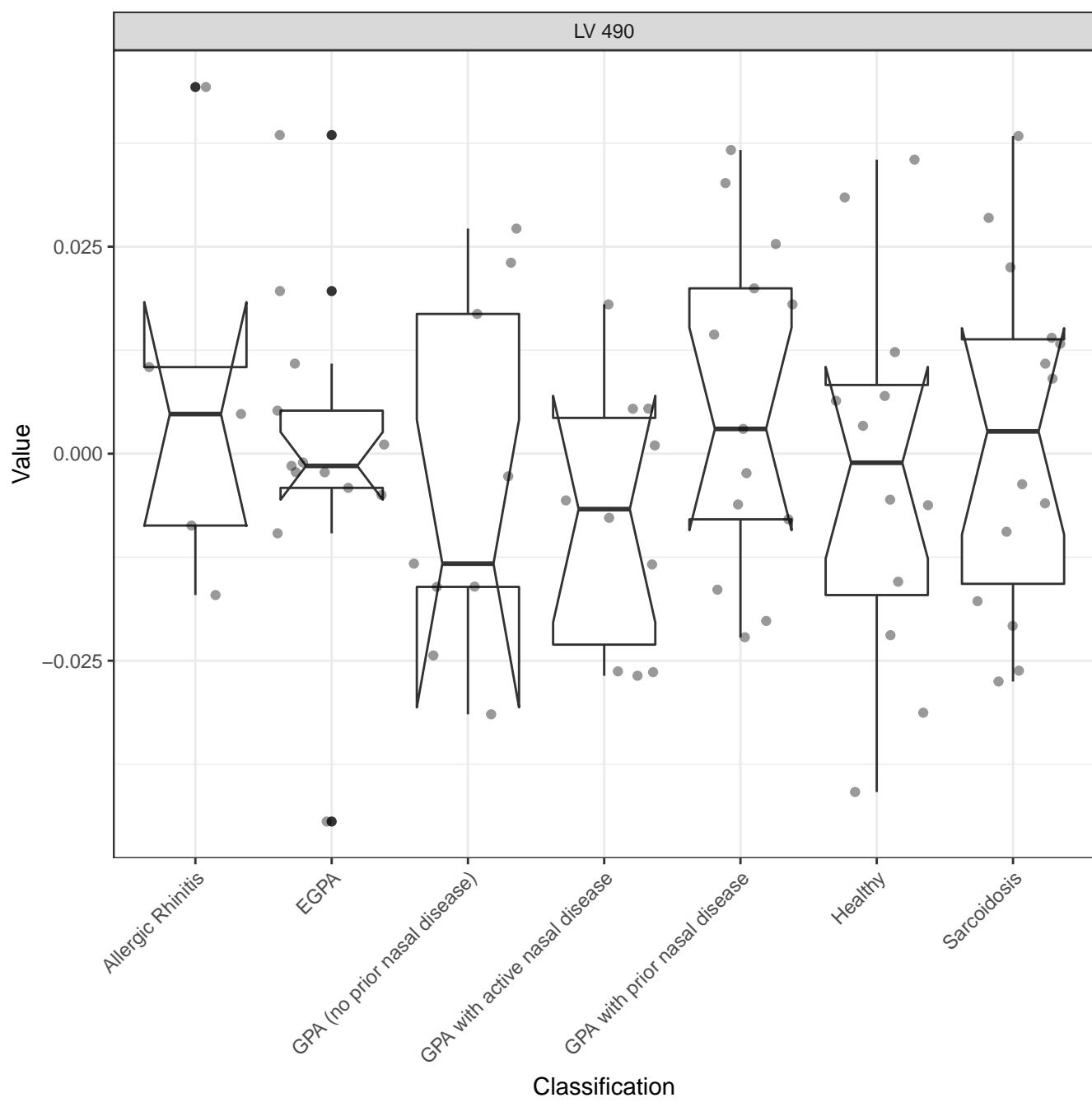
Sarcoidosis

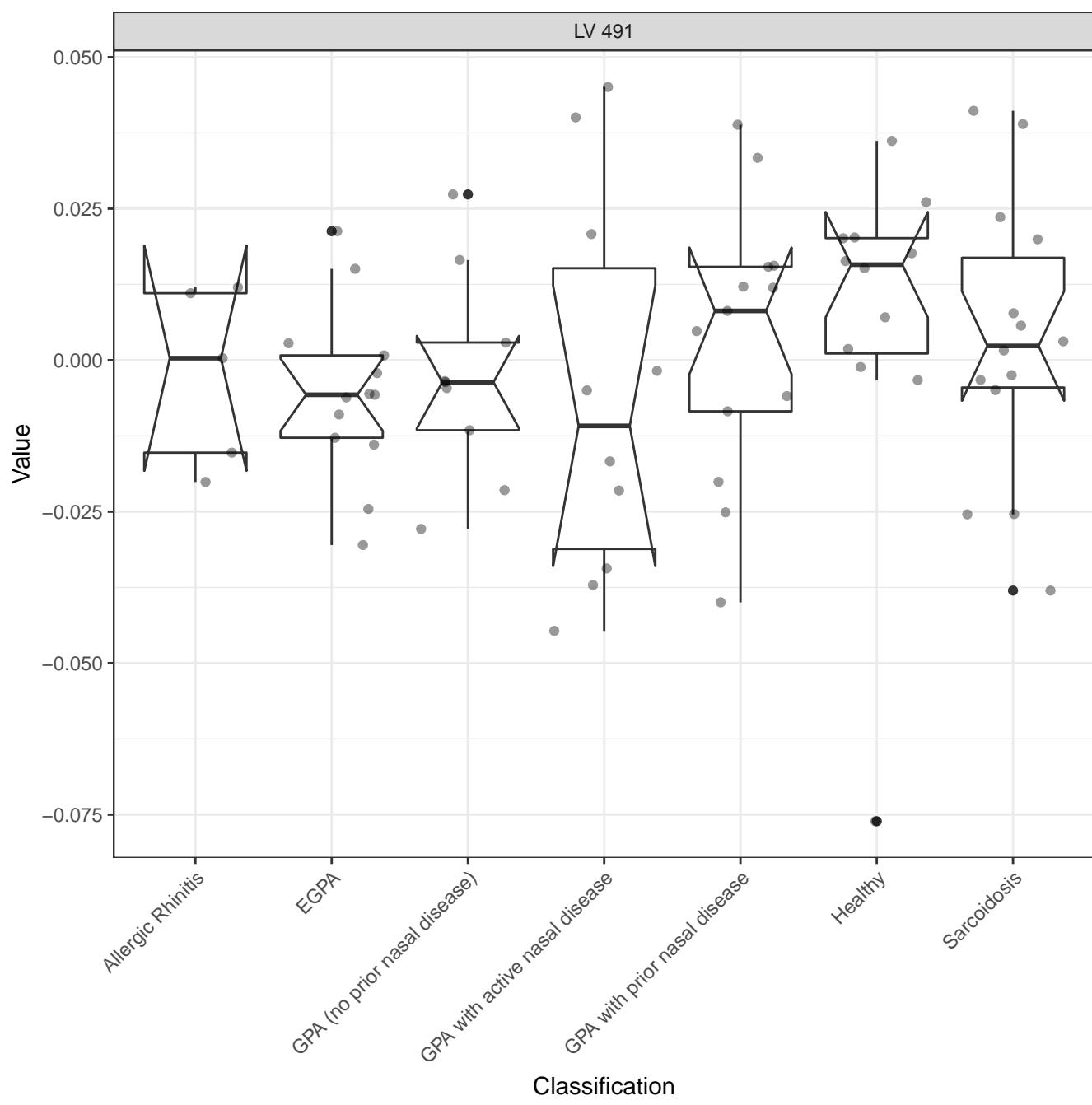
Classification

LV 488

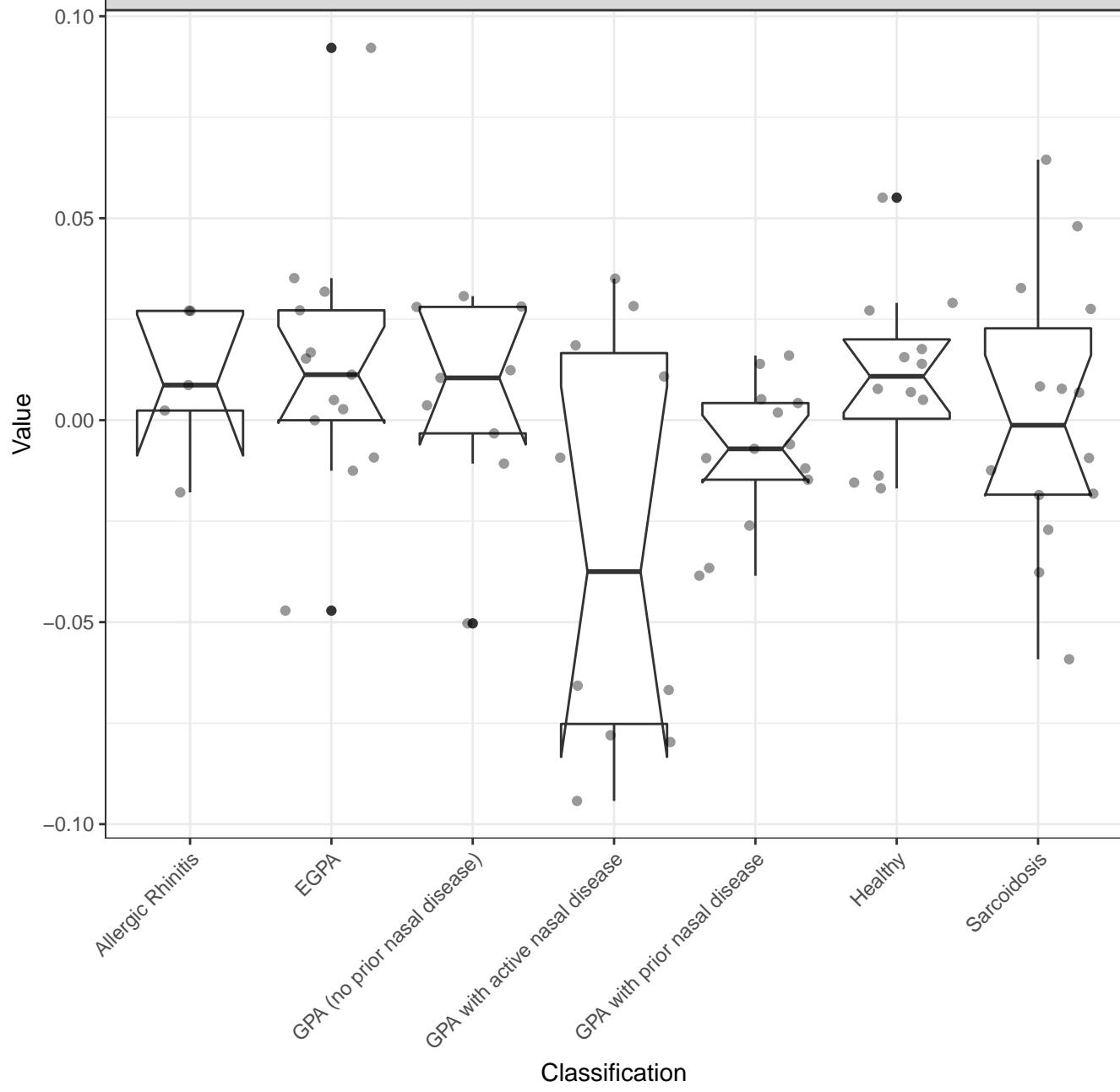








LV 492



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

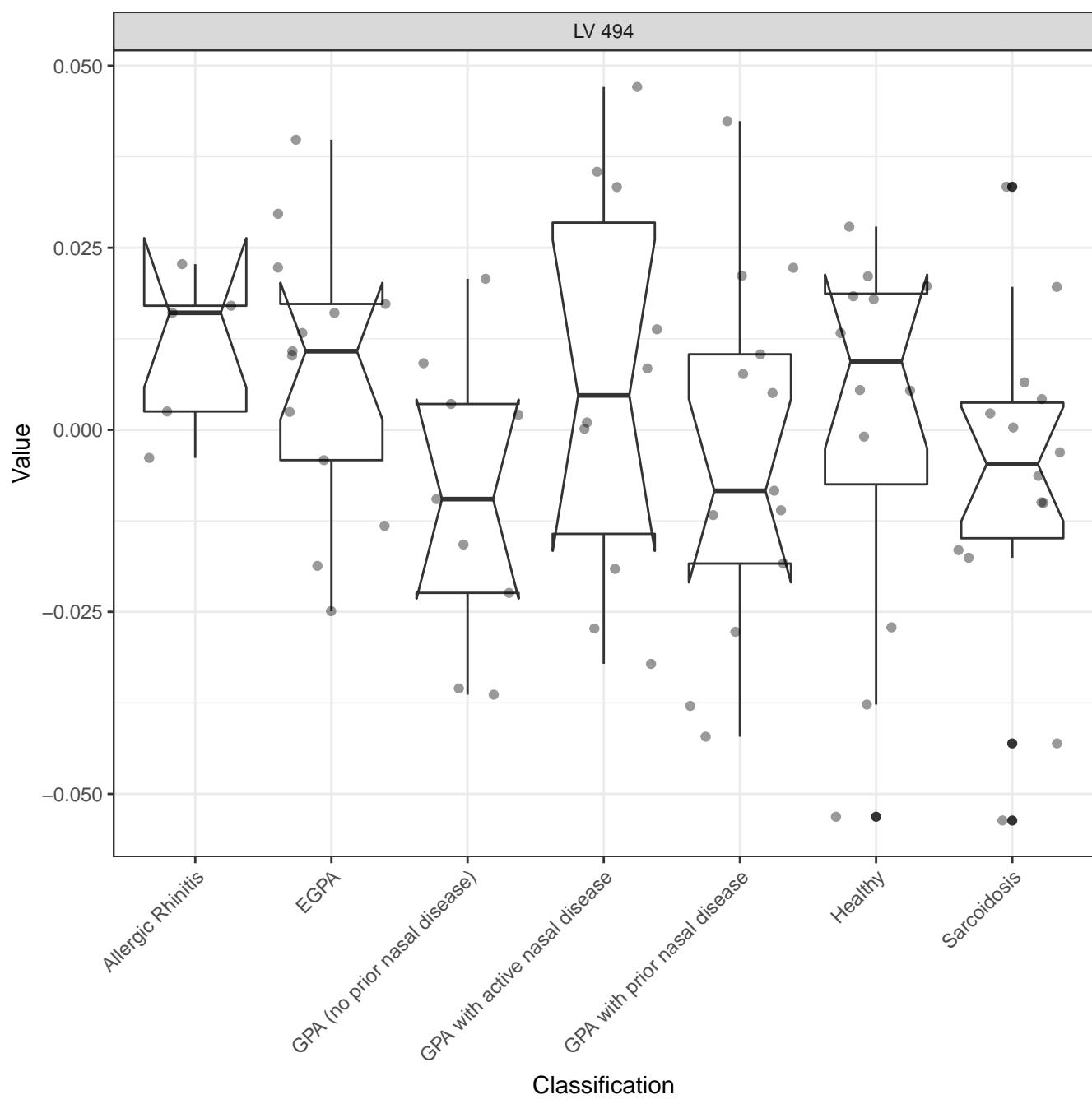
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 494



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

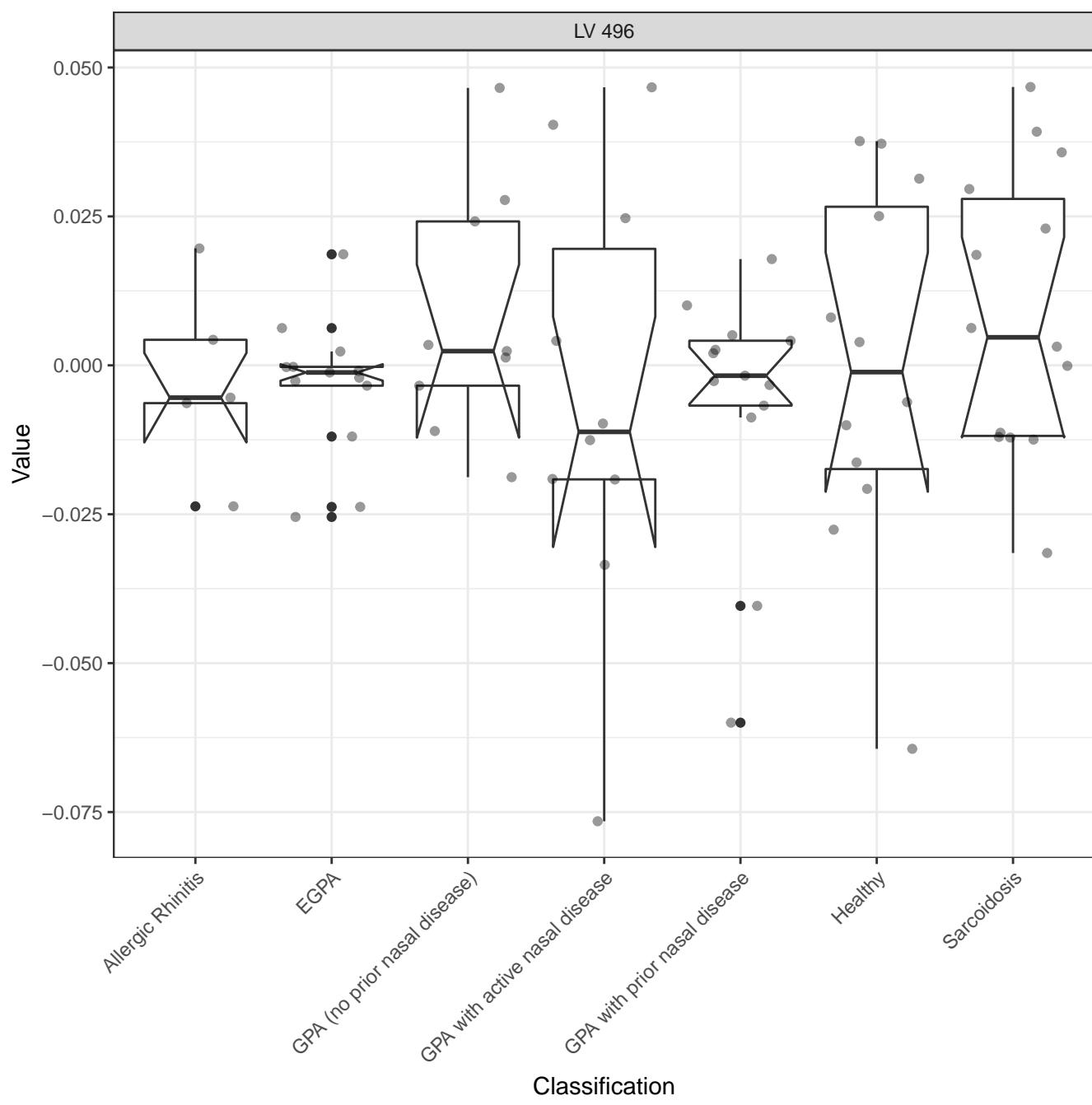
GPA with prior nasal disease

Healthy

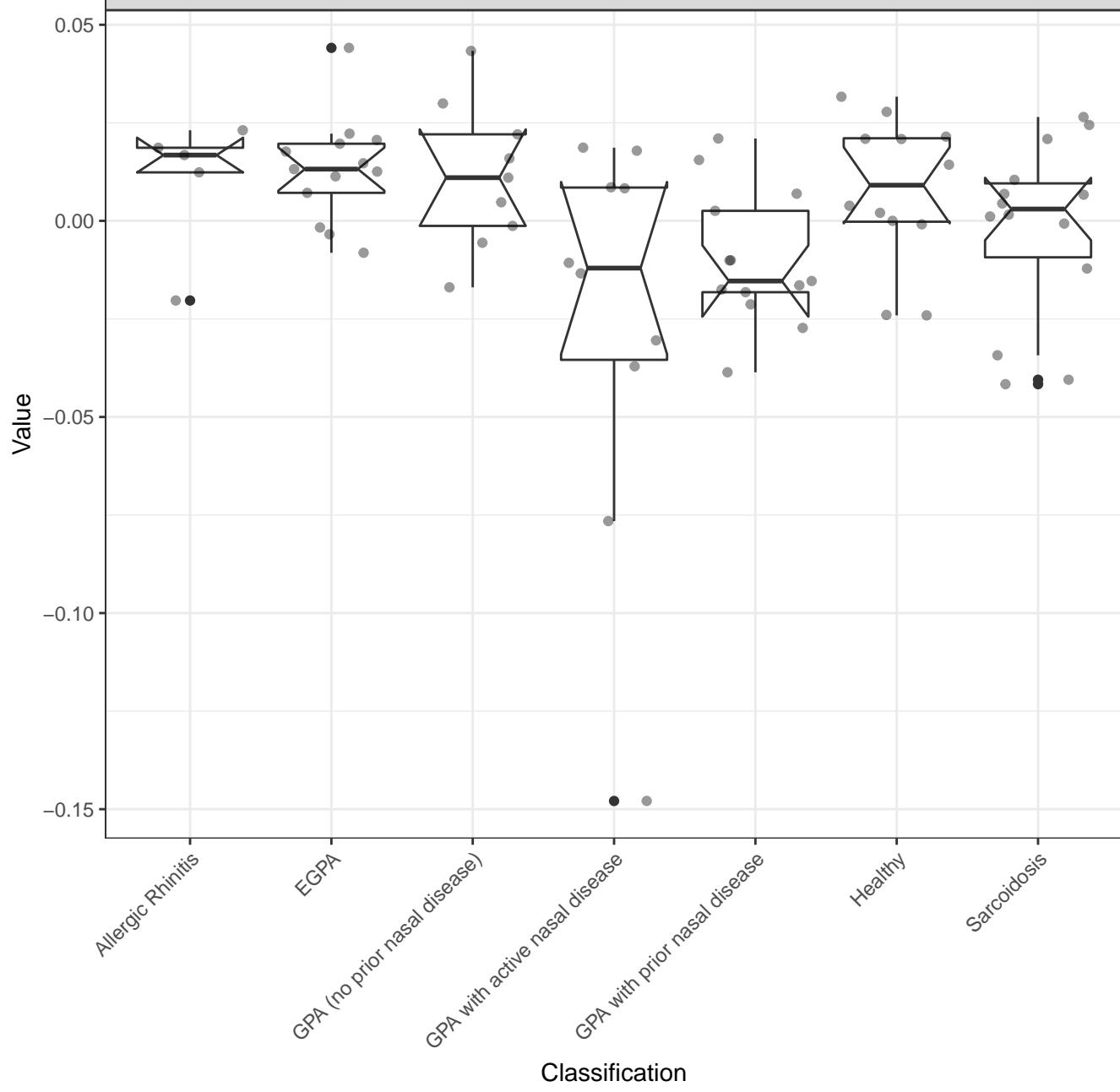
Sarcoidosis

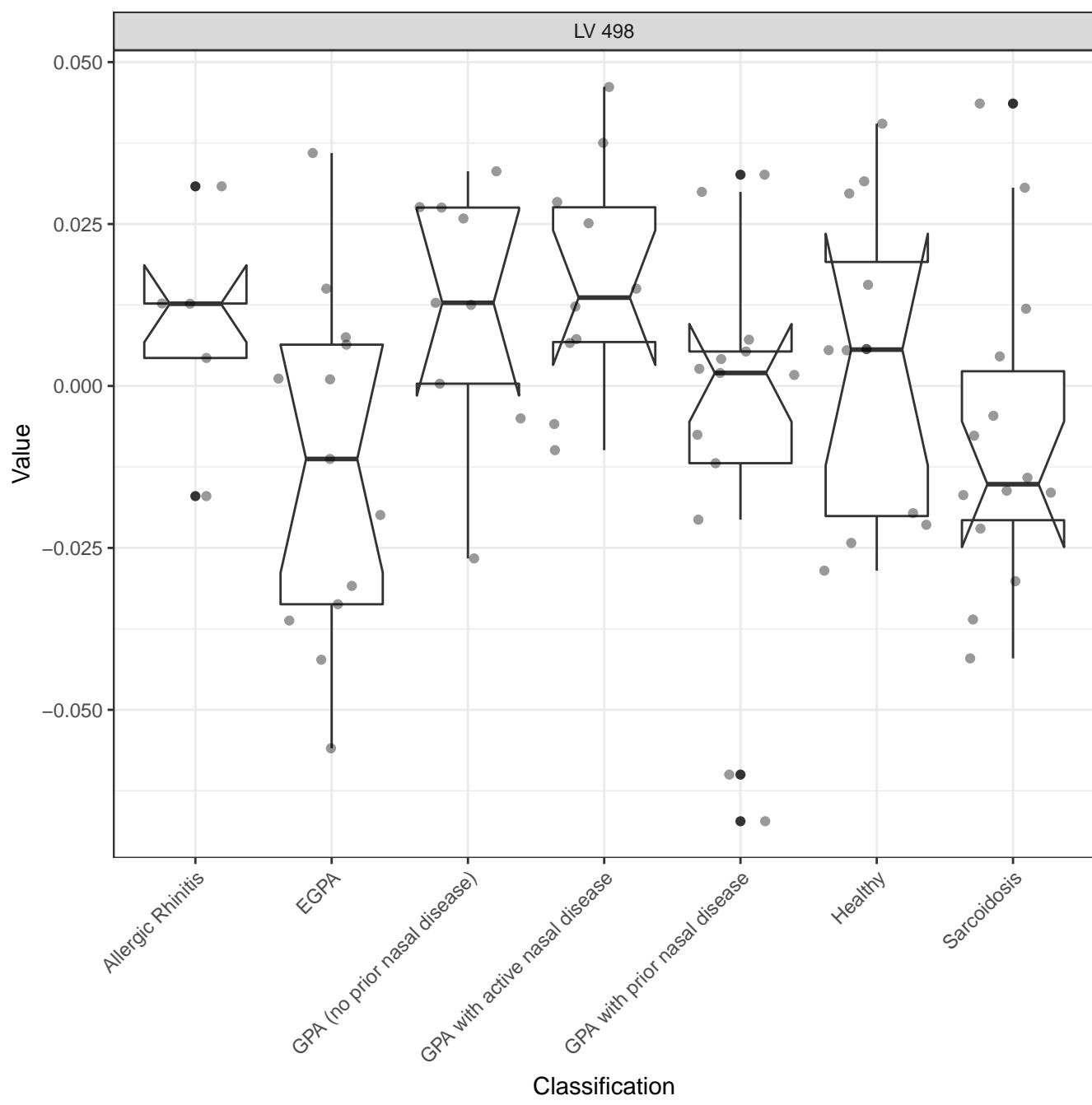
Classification

LV 496



LV 497





Value

0.050

0.025

0.000

-0.025

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

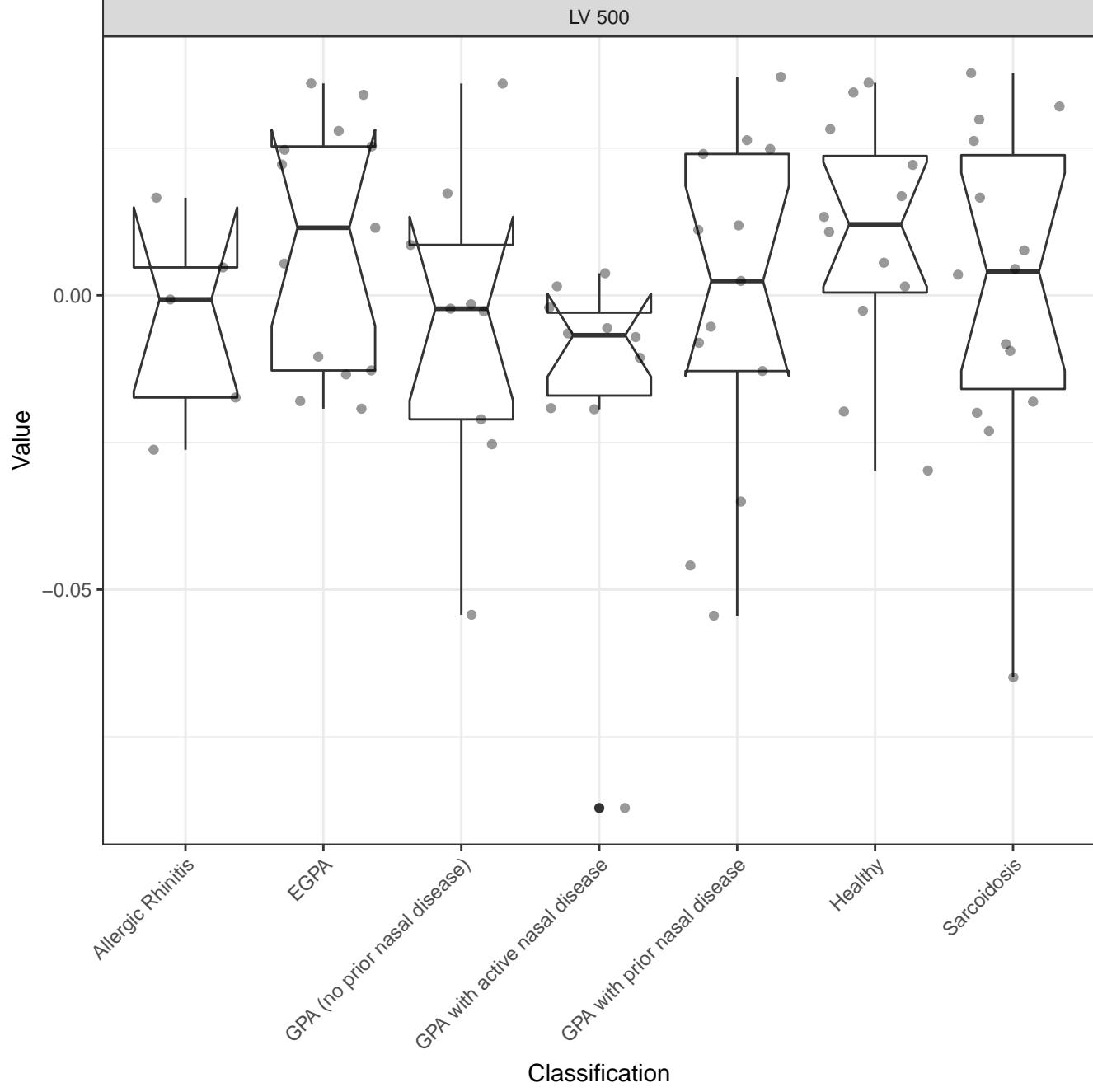
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



501,SVM NK cells activated

Value

0.050

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

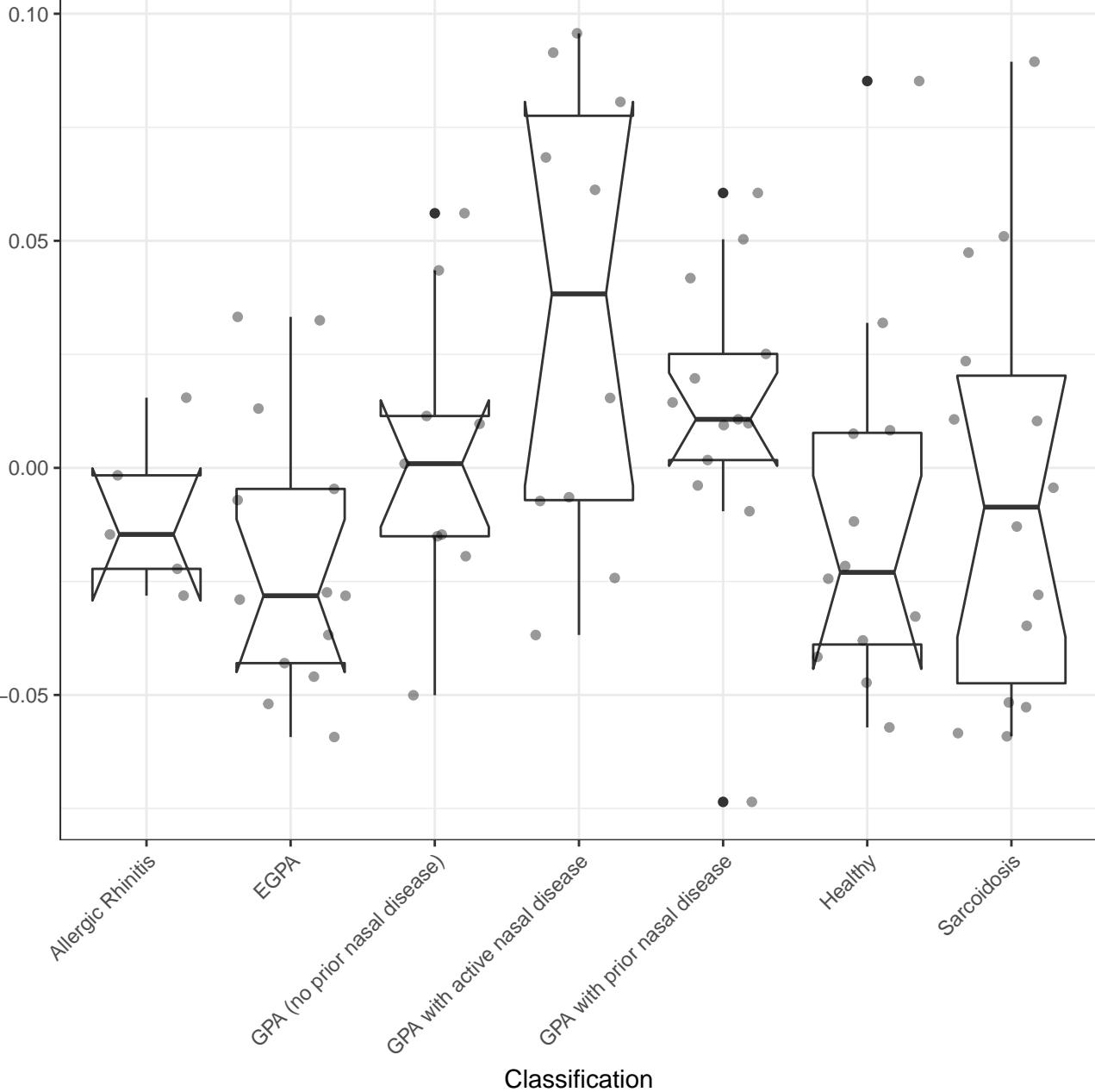
Healthy

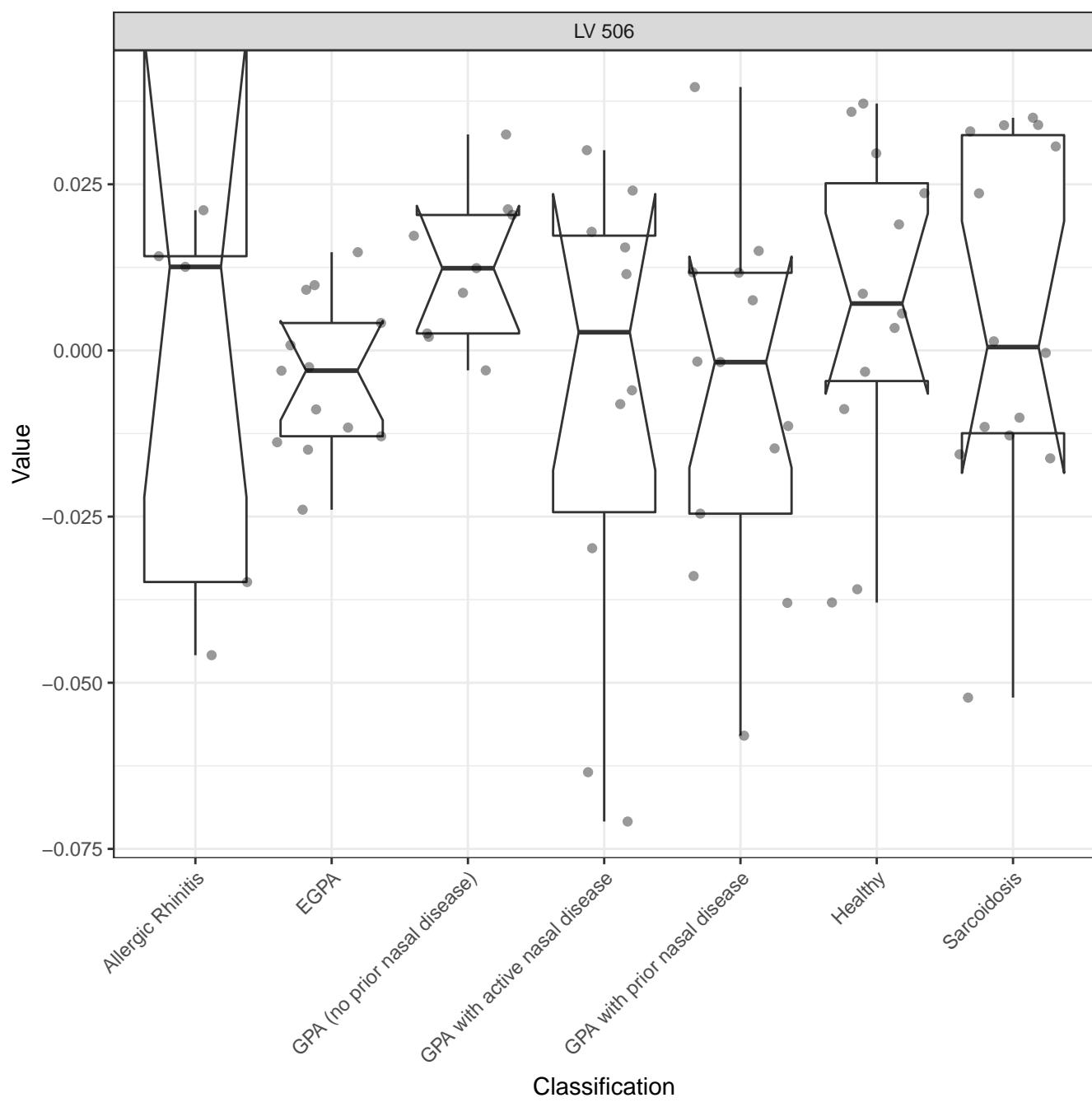
Sarcoidosis

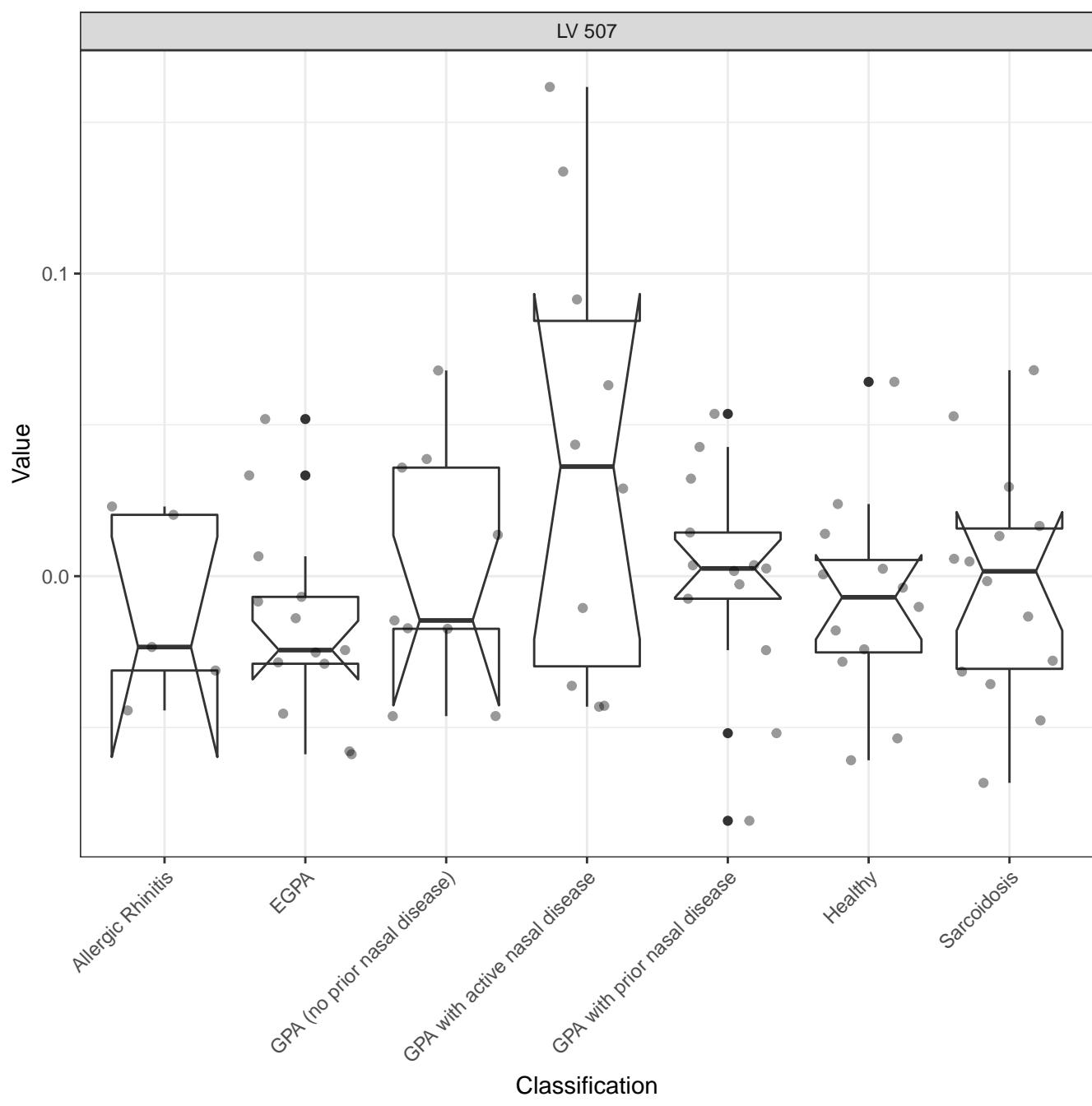
Classification

LV 505

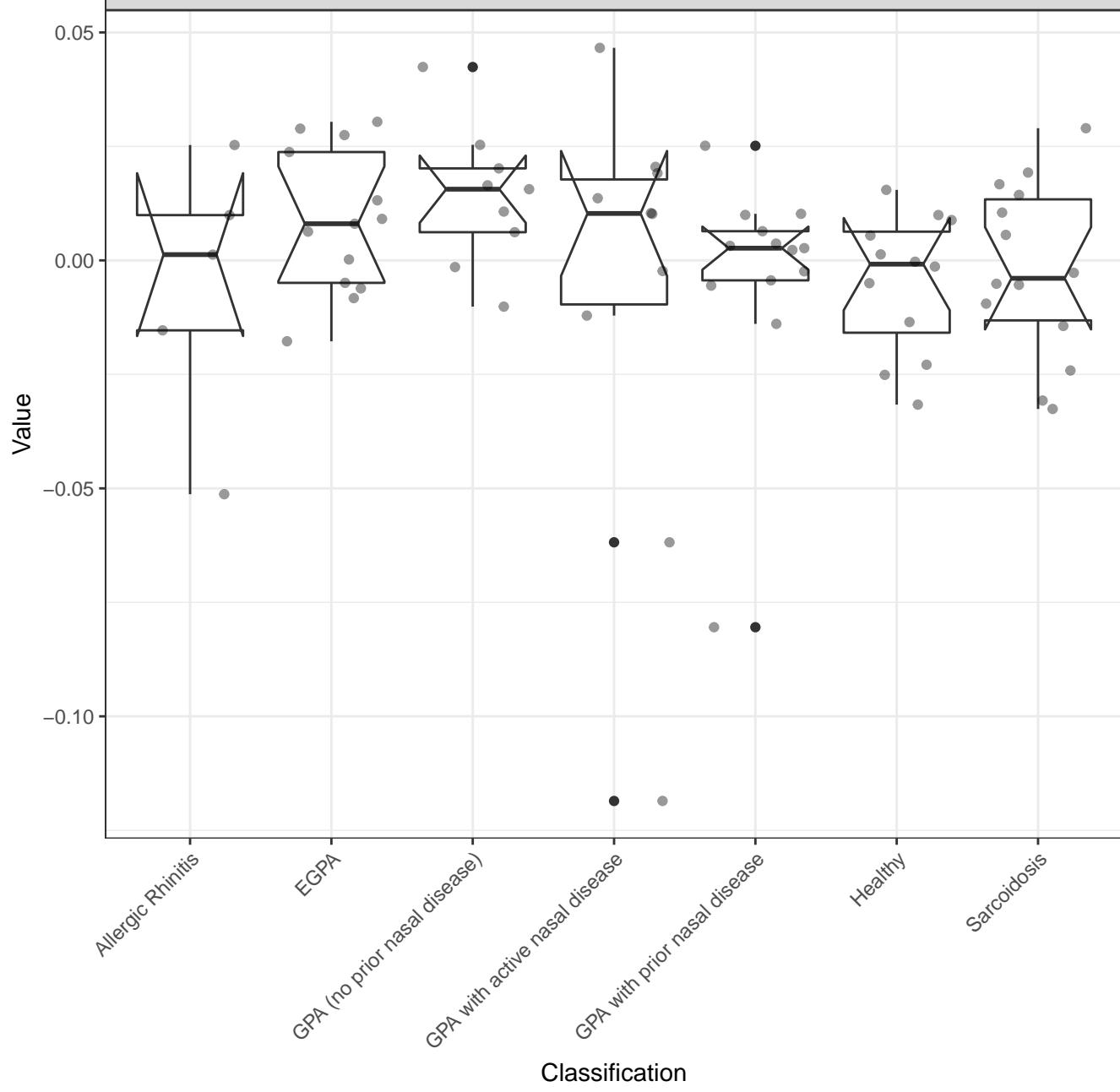
Value

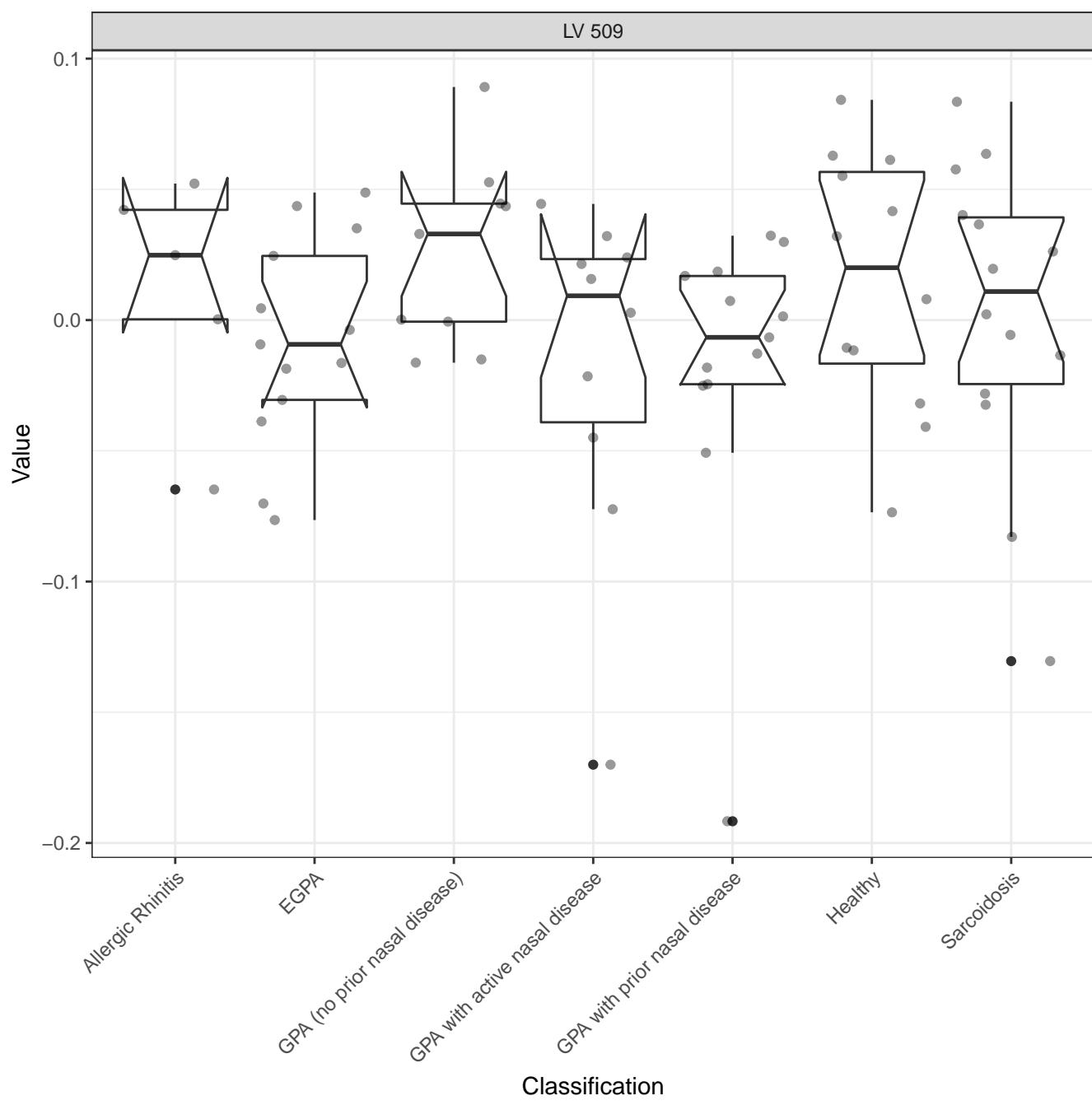


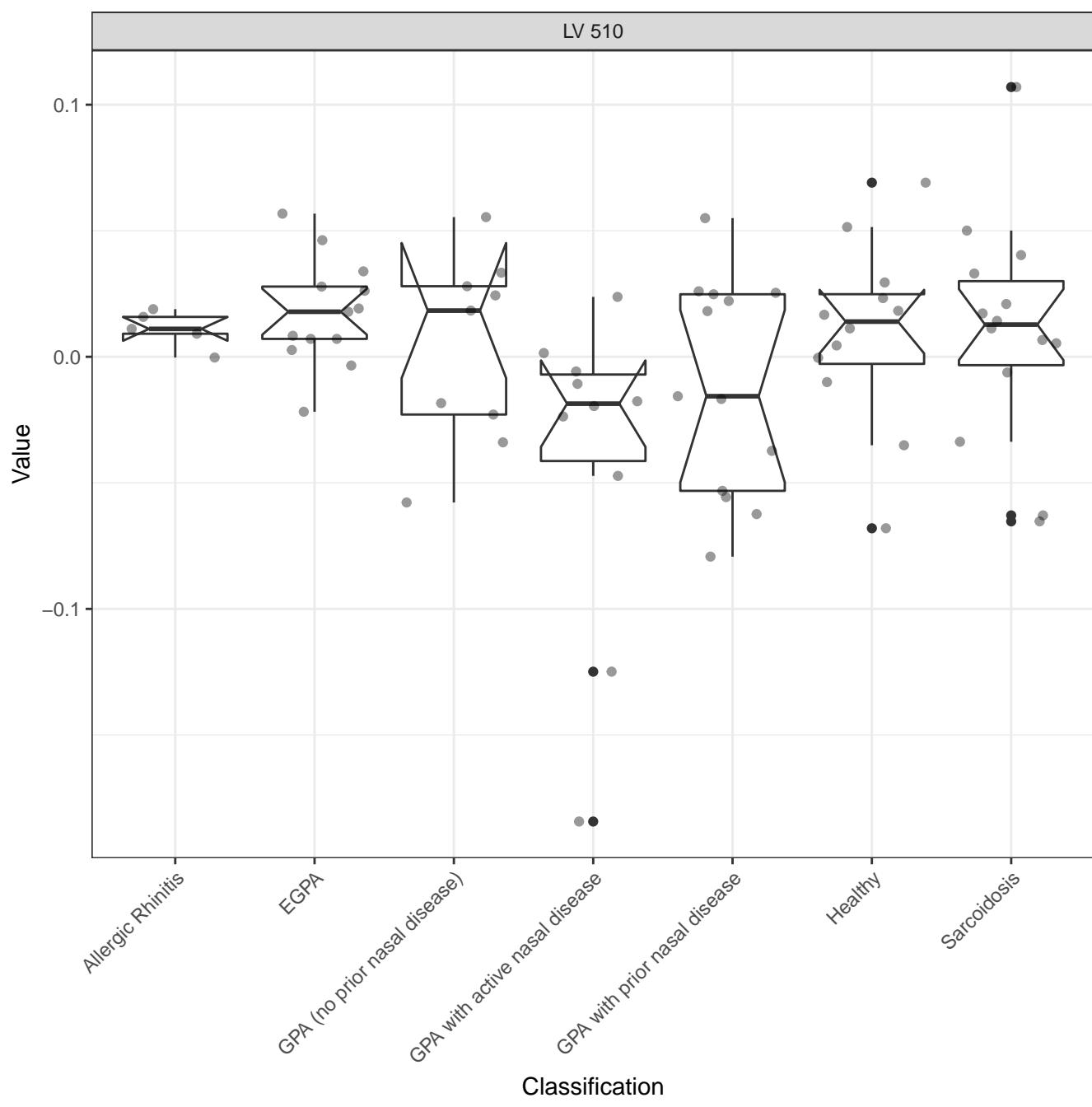


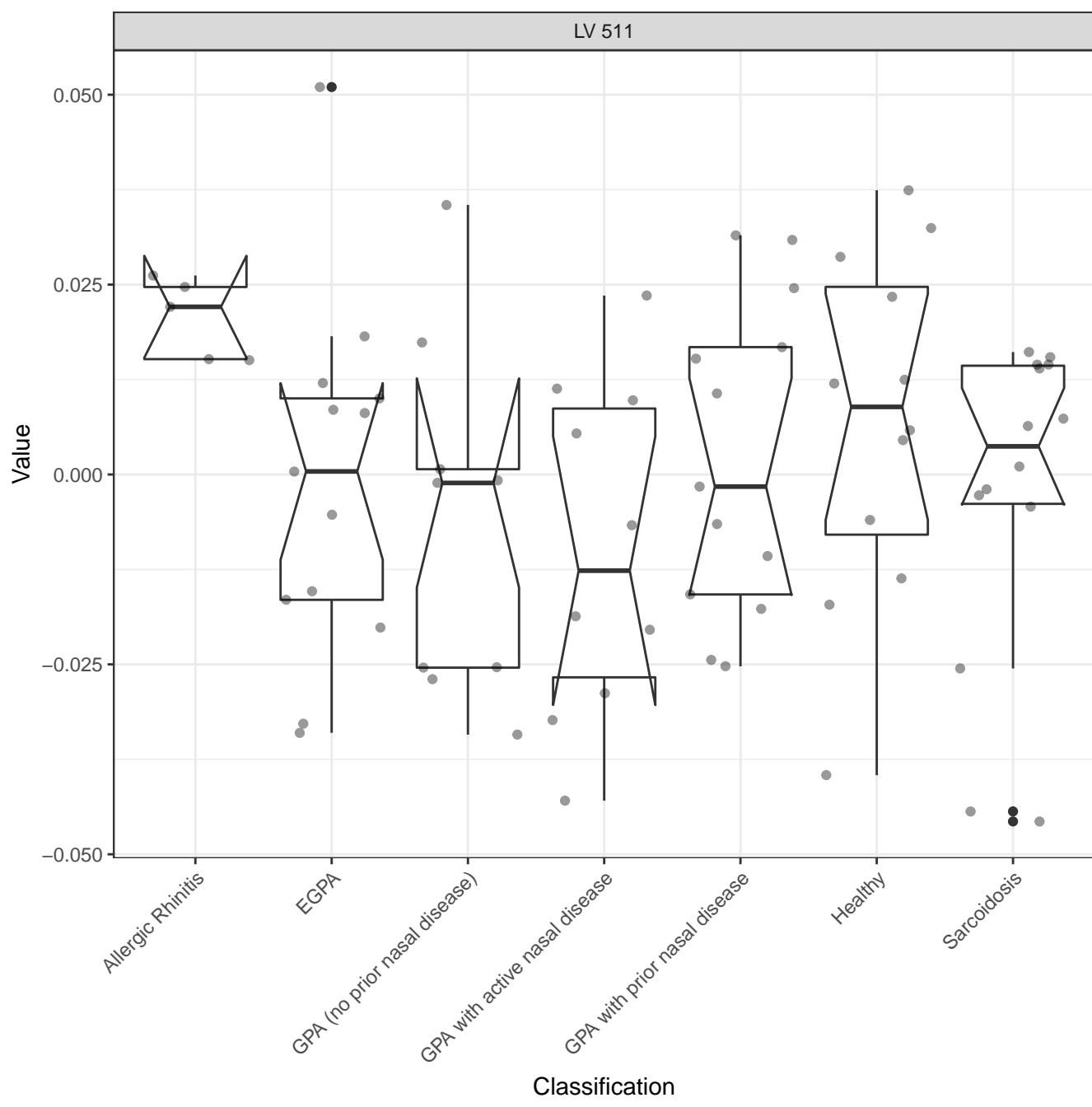


LV 508

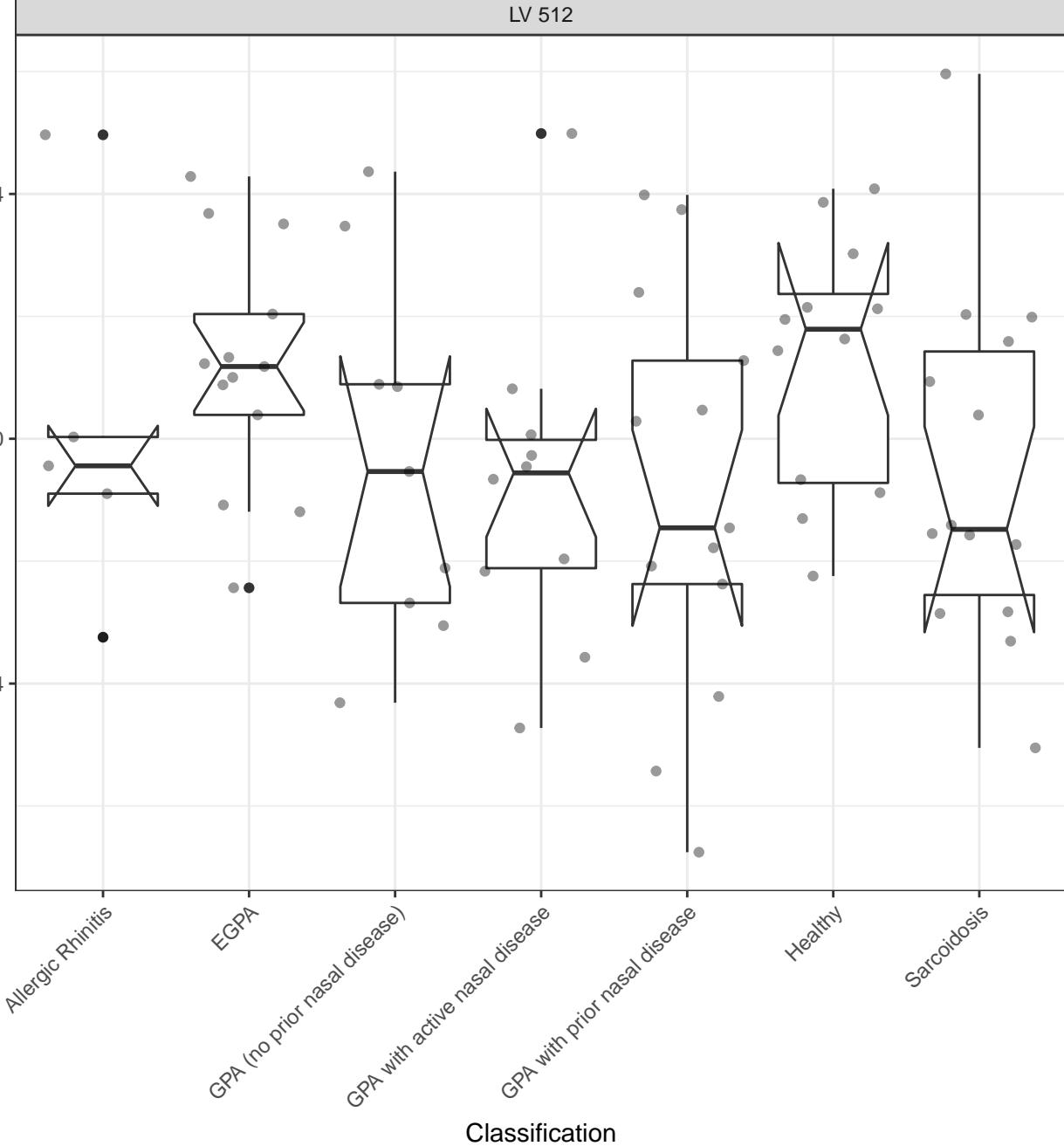








Value



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.4

0.2

0.0

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

517,REACTOME_SIGNALING_BY_EGFR_IN_CANCER

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

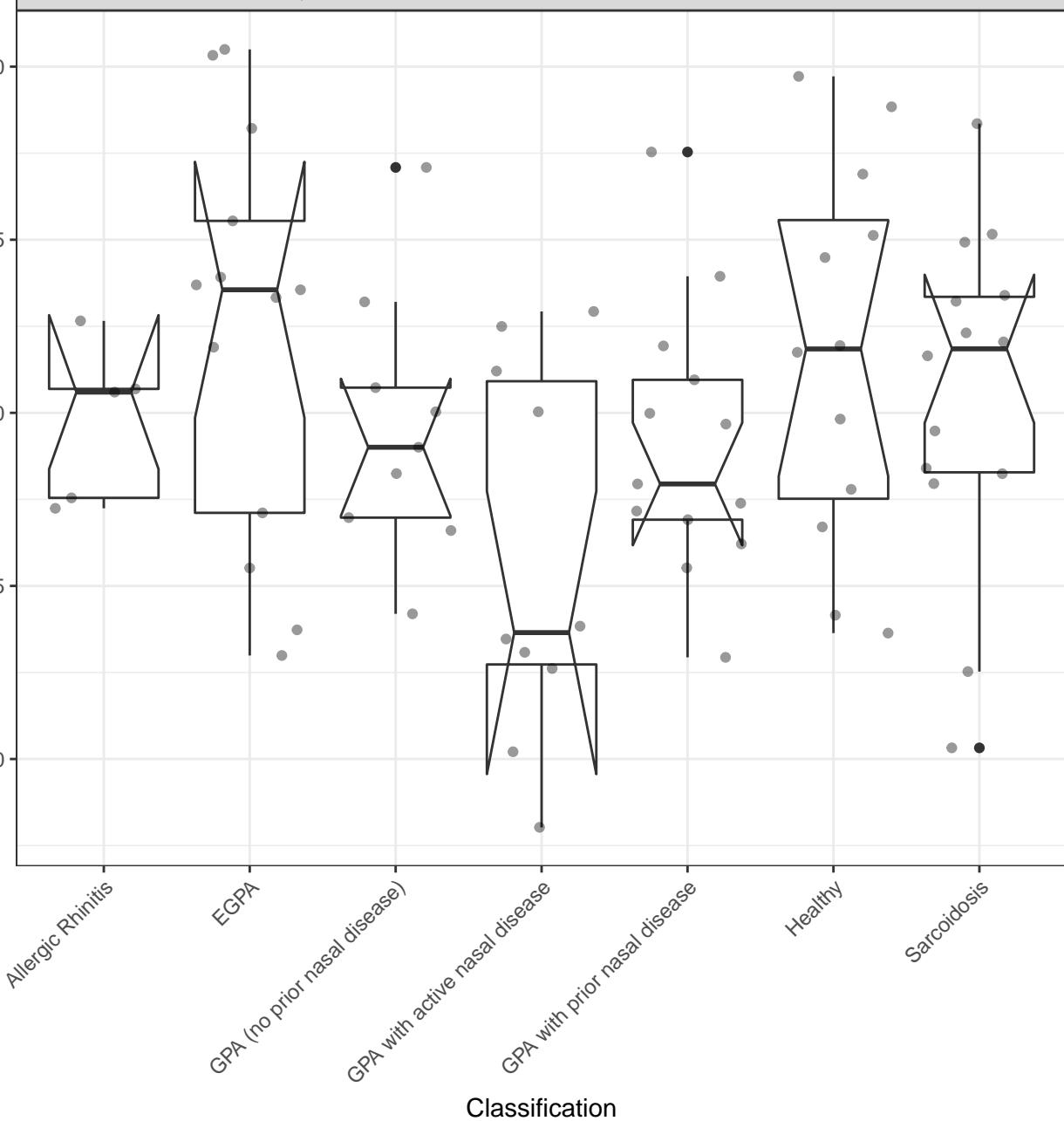
Healthy

Sarcoidosis

Classification

518,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

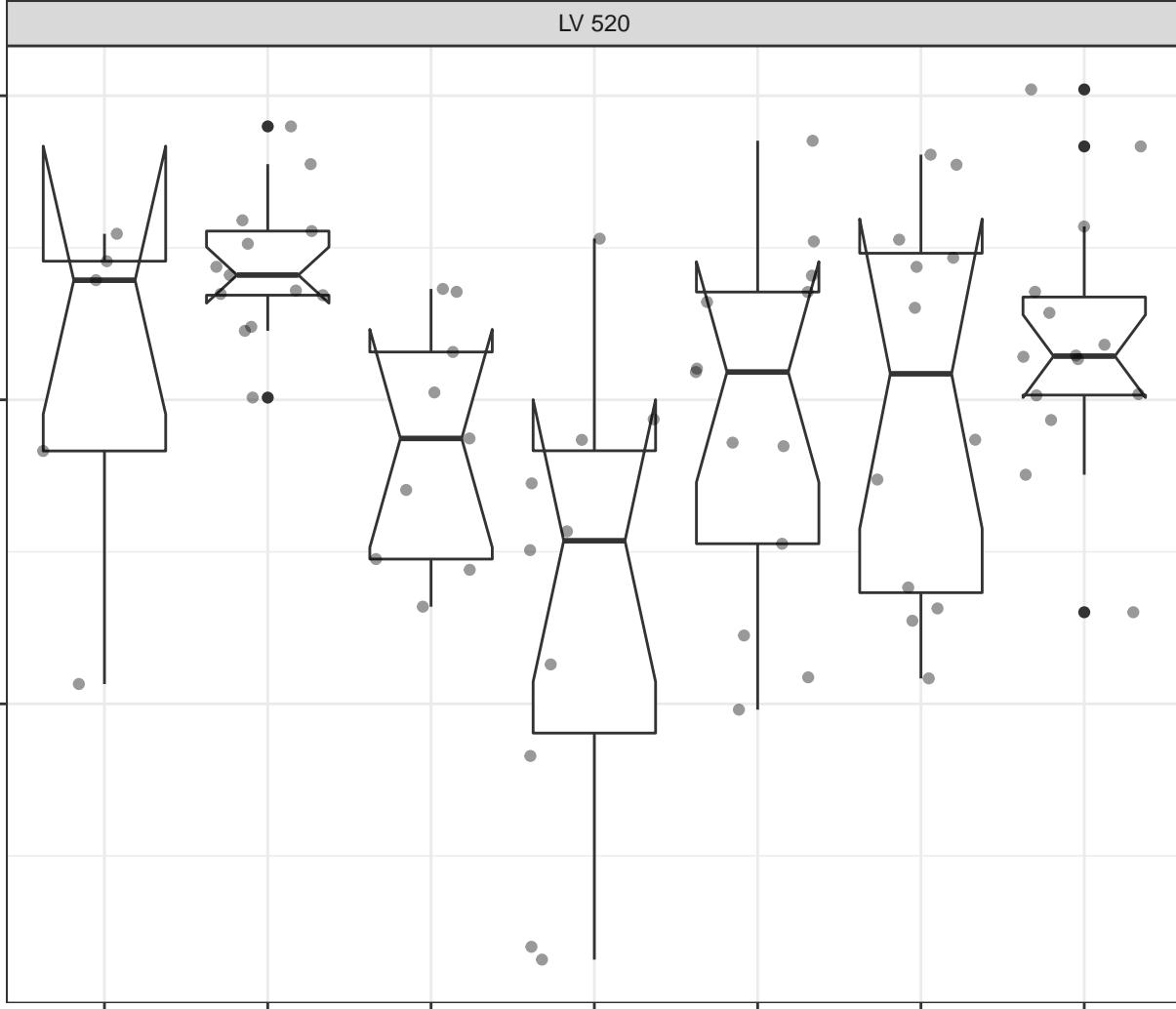
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

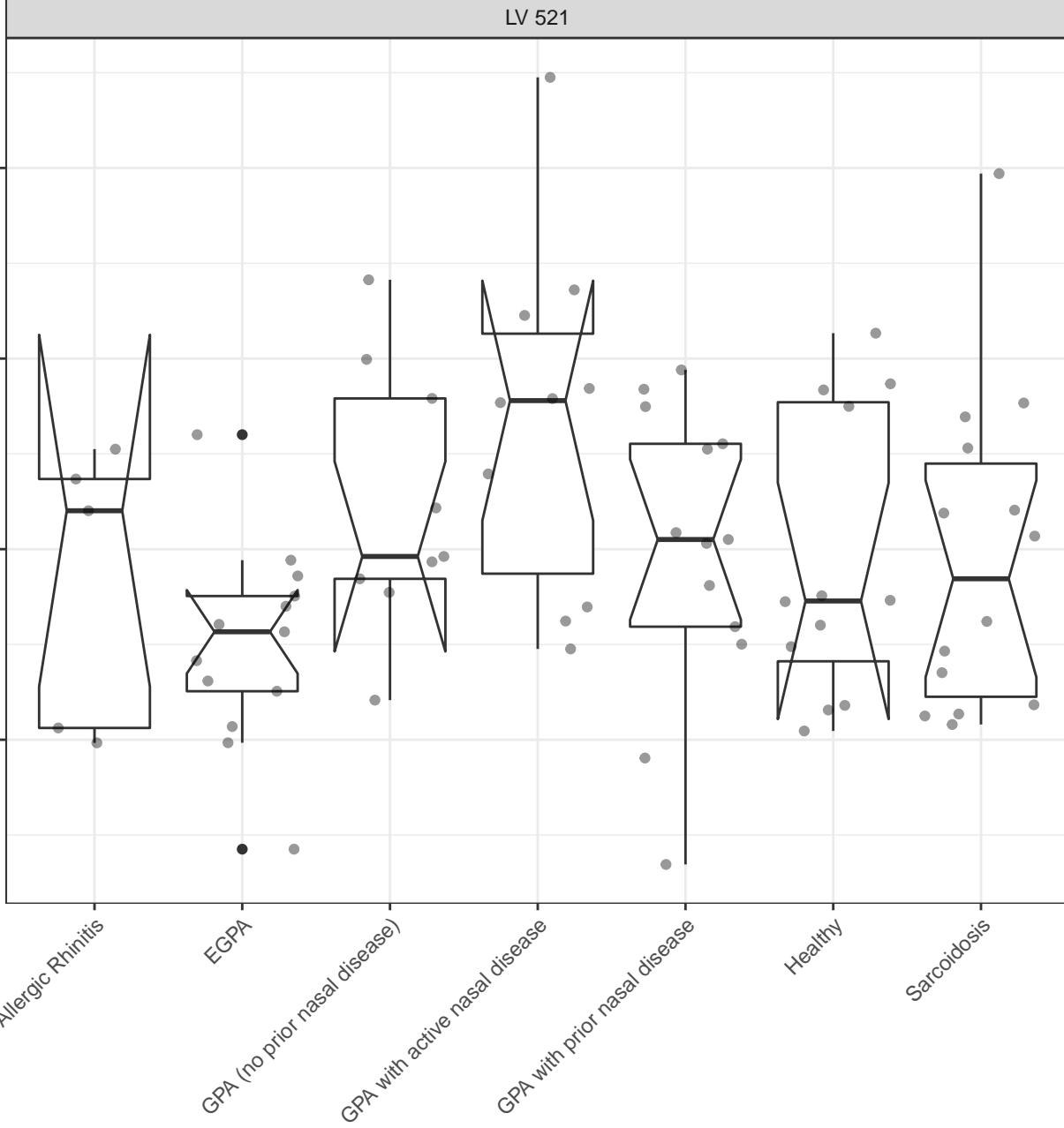
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.4

0.3

0.2

0.1

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

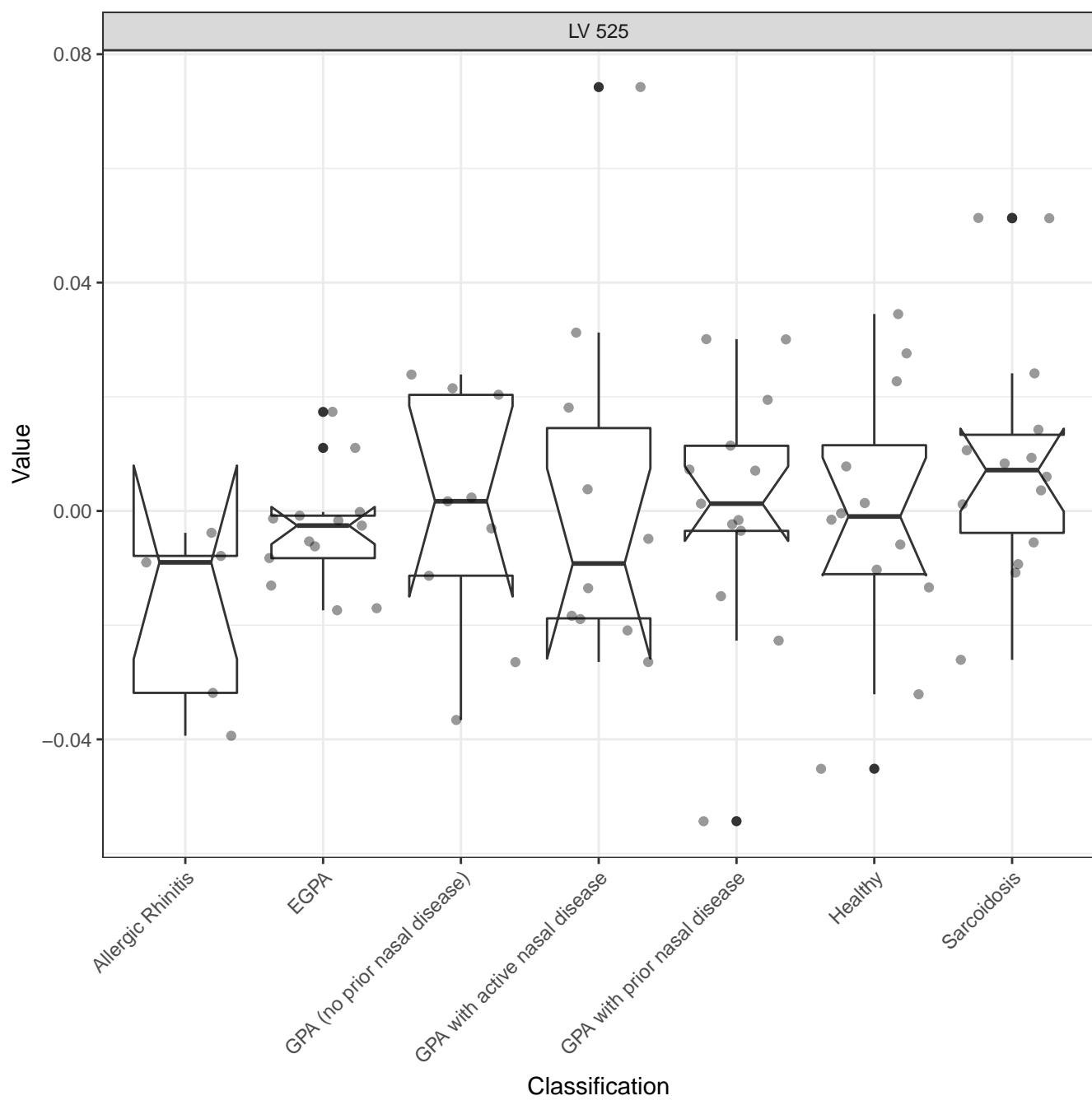
GPA with active nasal disease

GPA with prior nasal disease

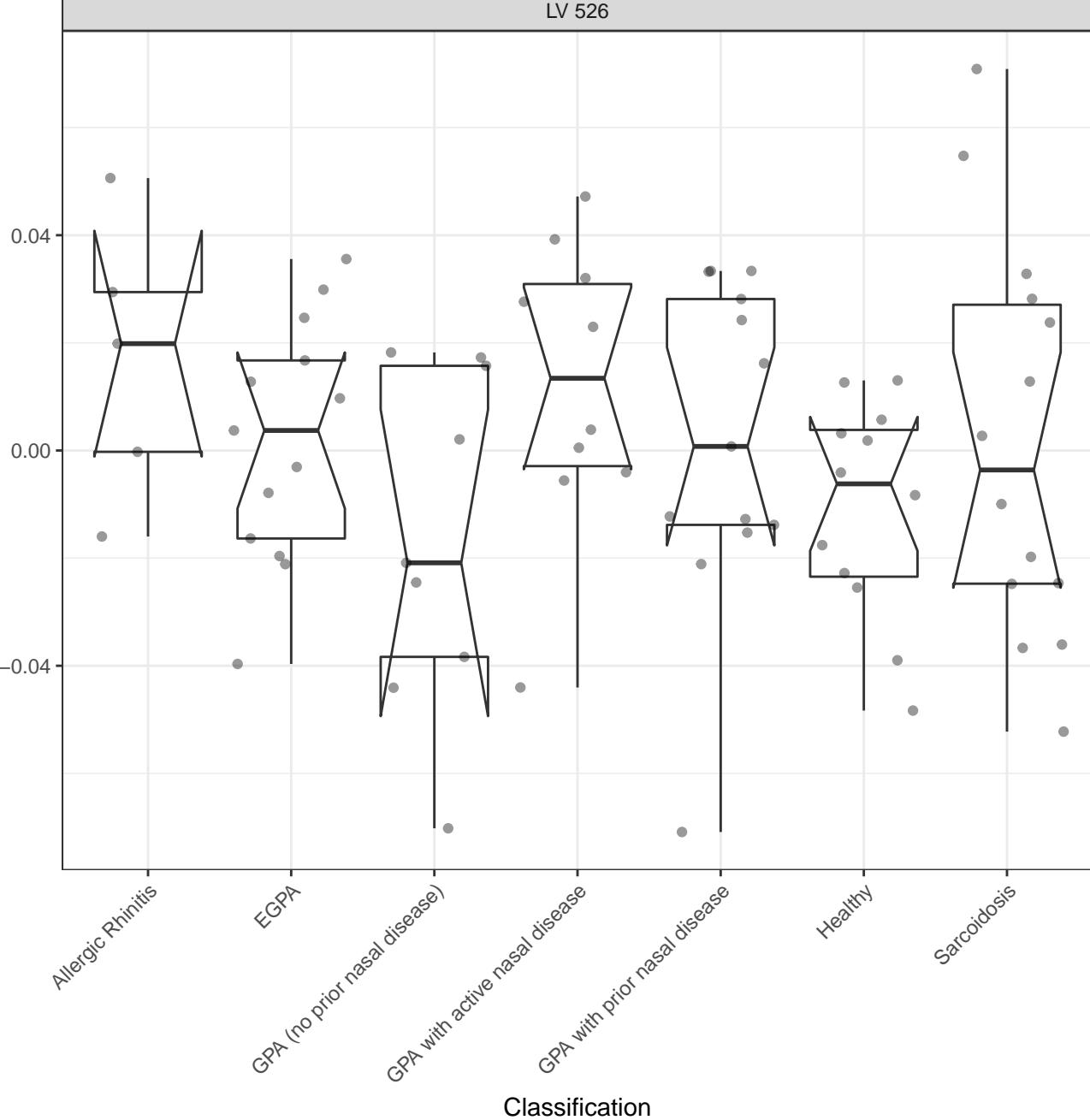
Healthy

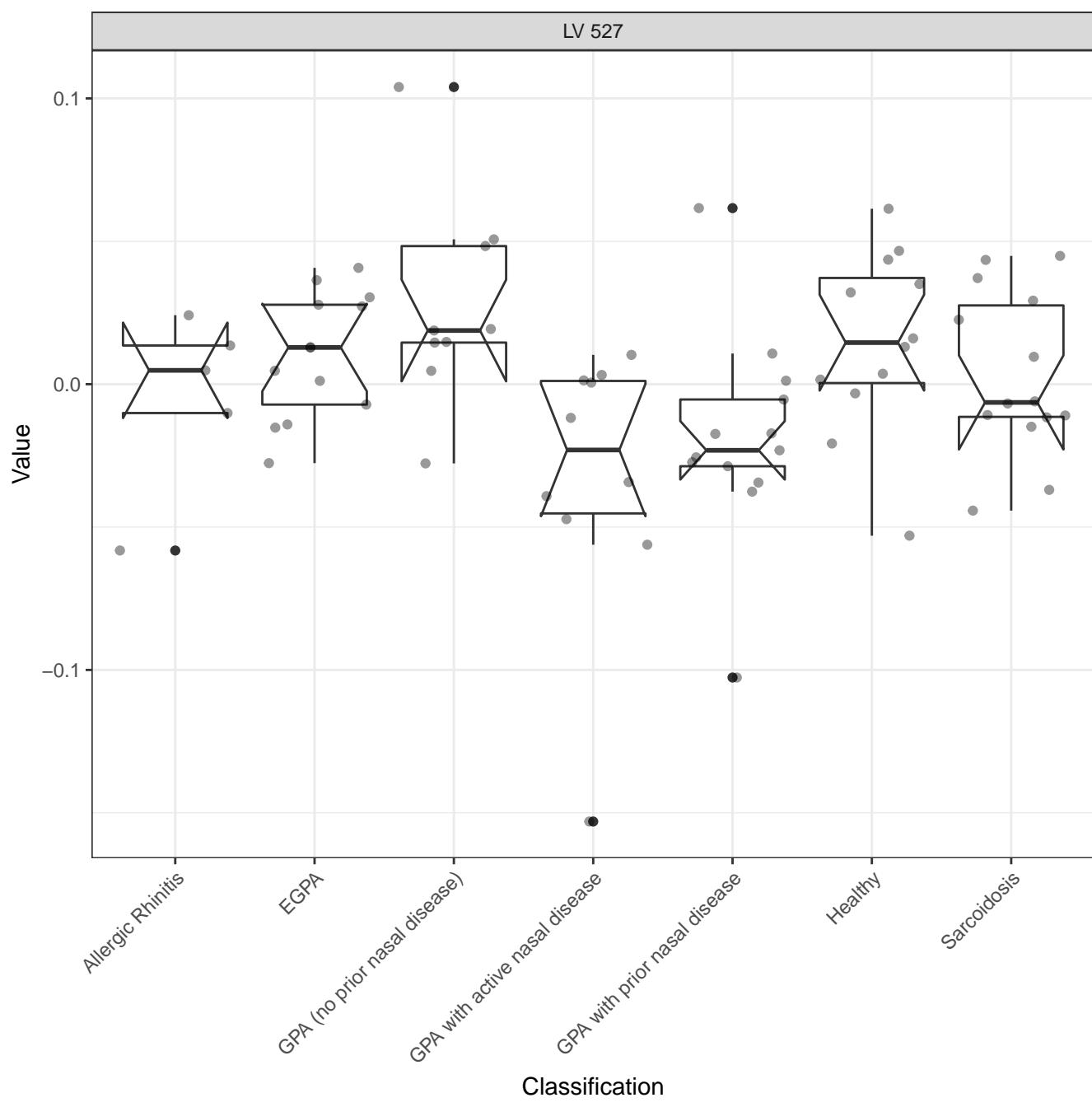
Sarcoidosis

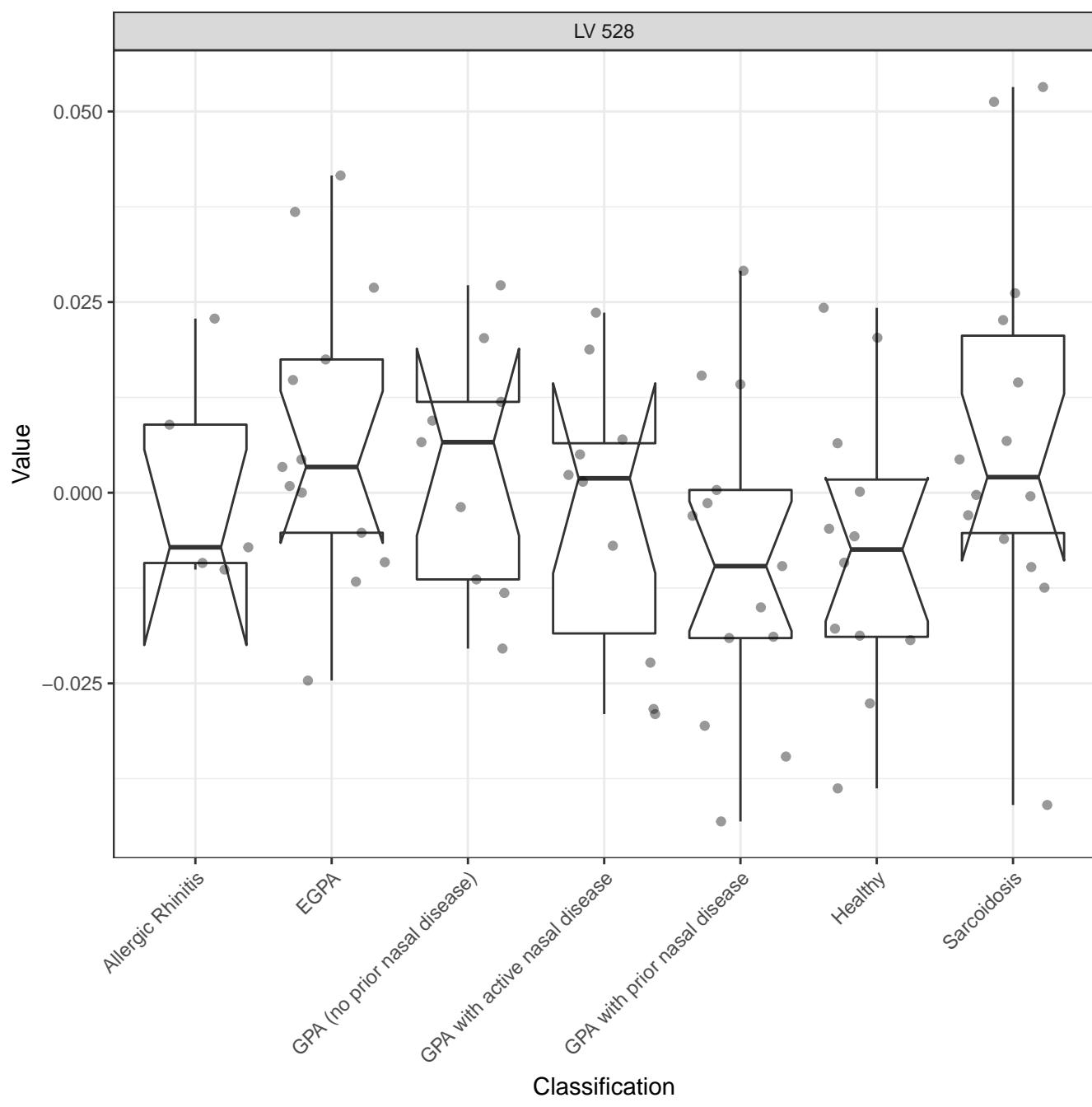
Classification

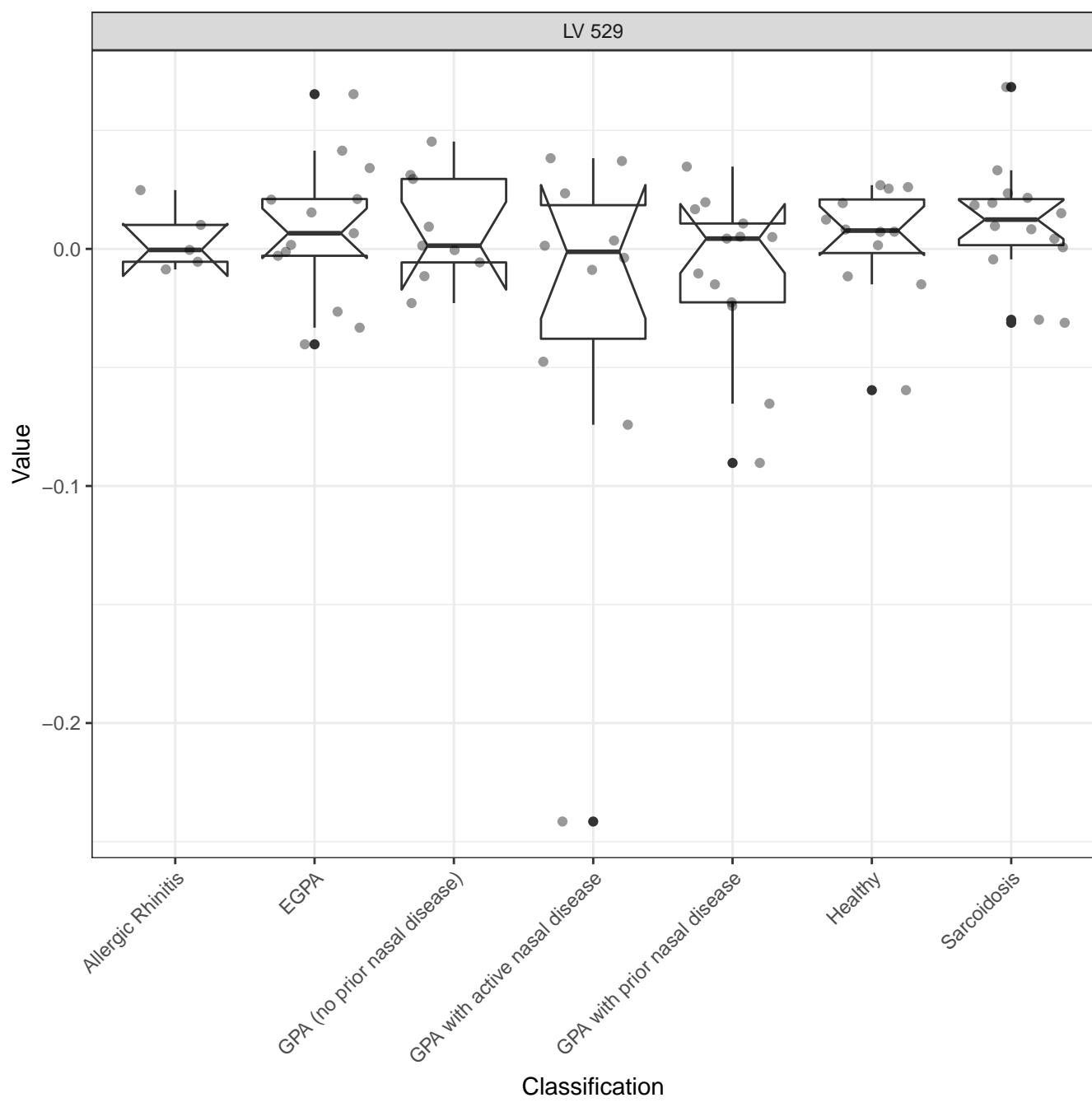


Value









Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

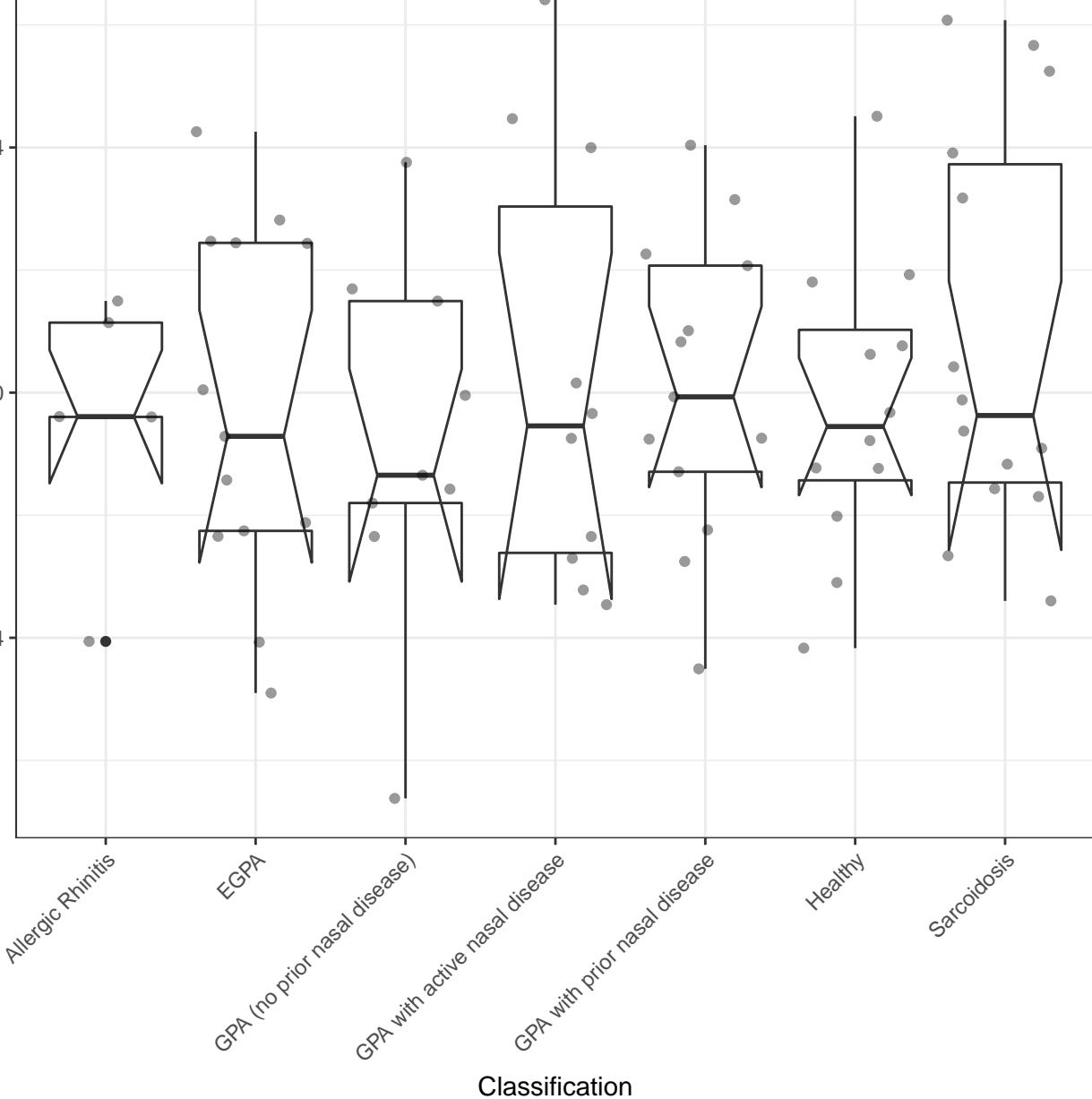
GPA with prior nasal disease

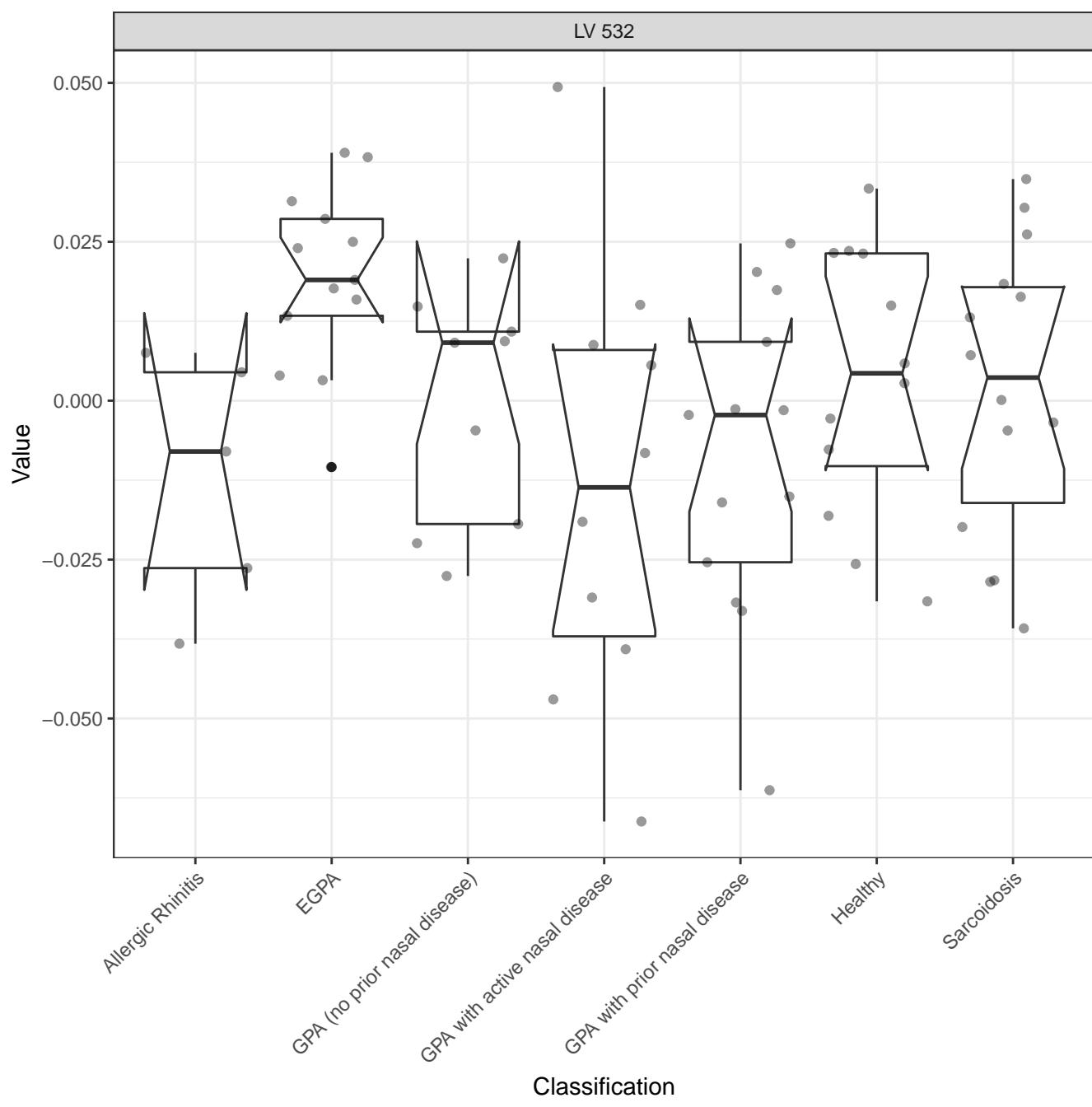
Healthy

Sarcoidosis

Classification

Value





Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

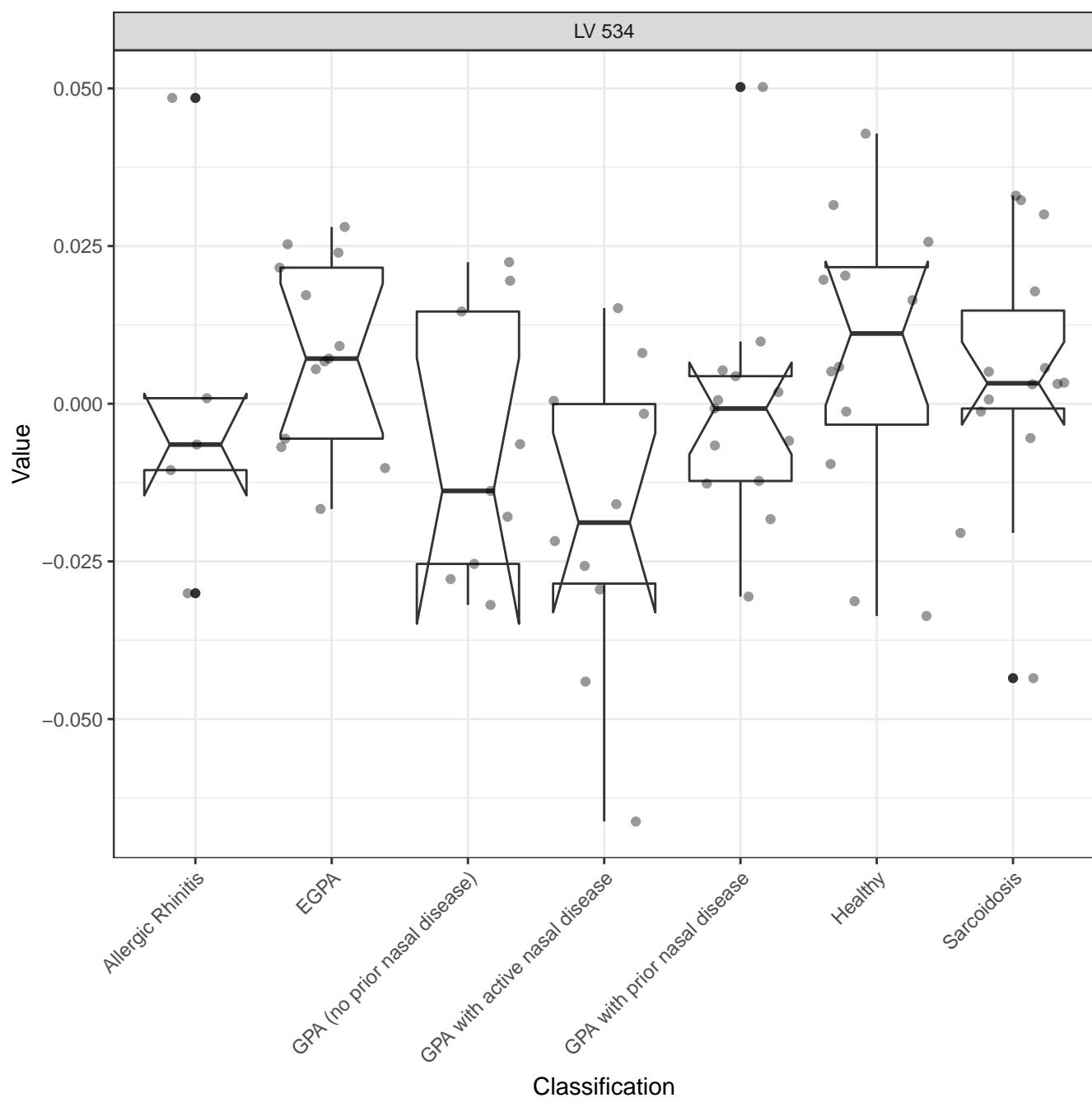
GPA with active nasal disease

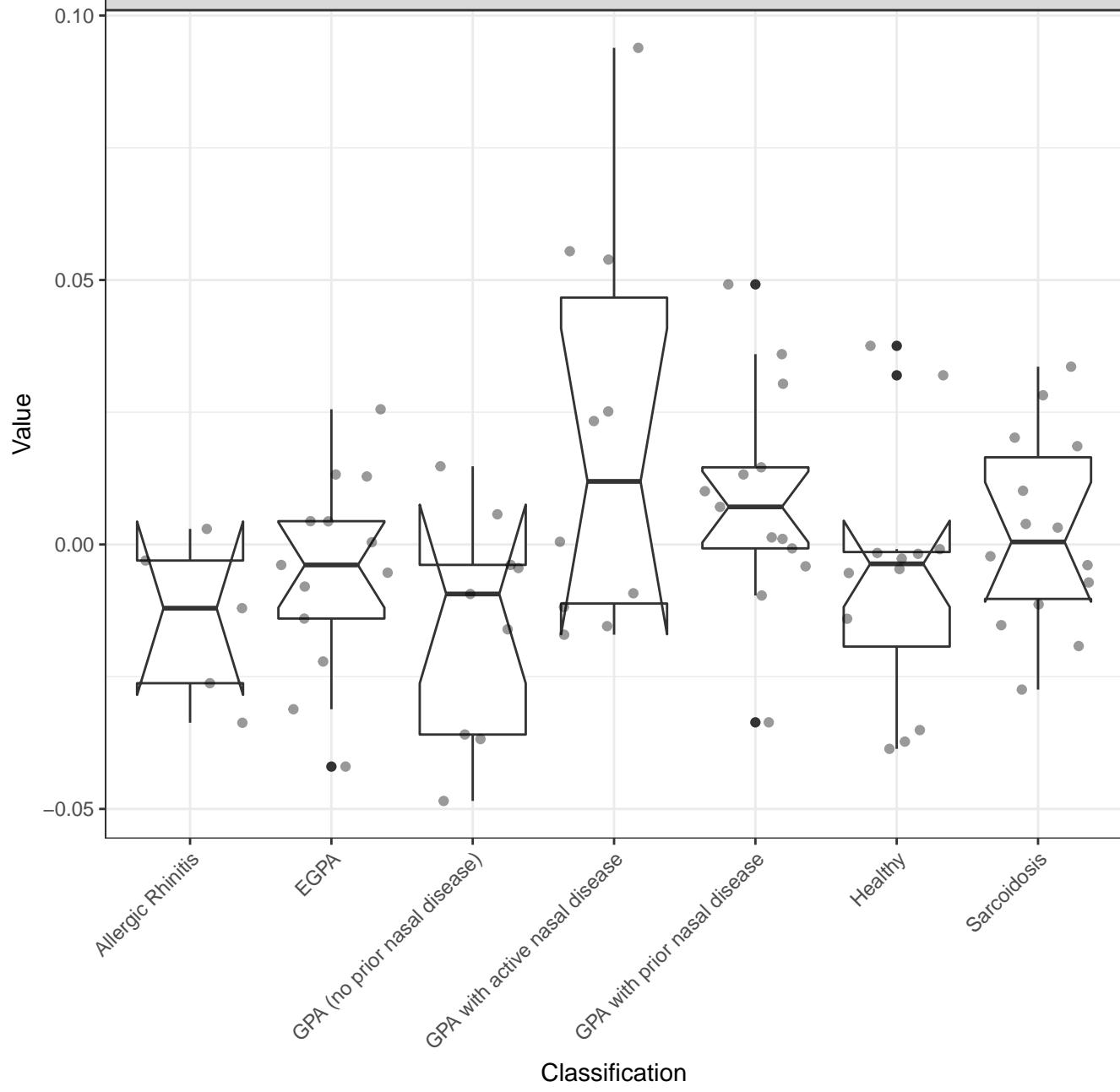
GPA with prior nasal disease

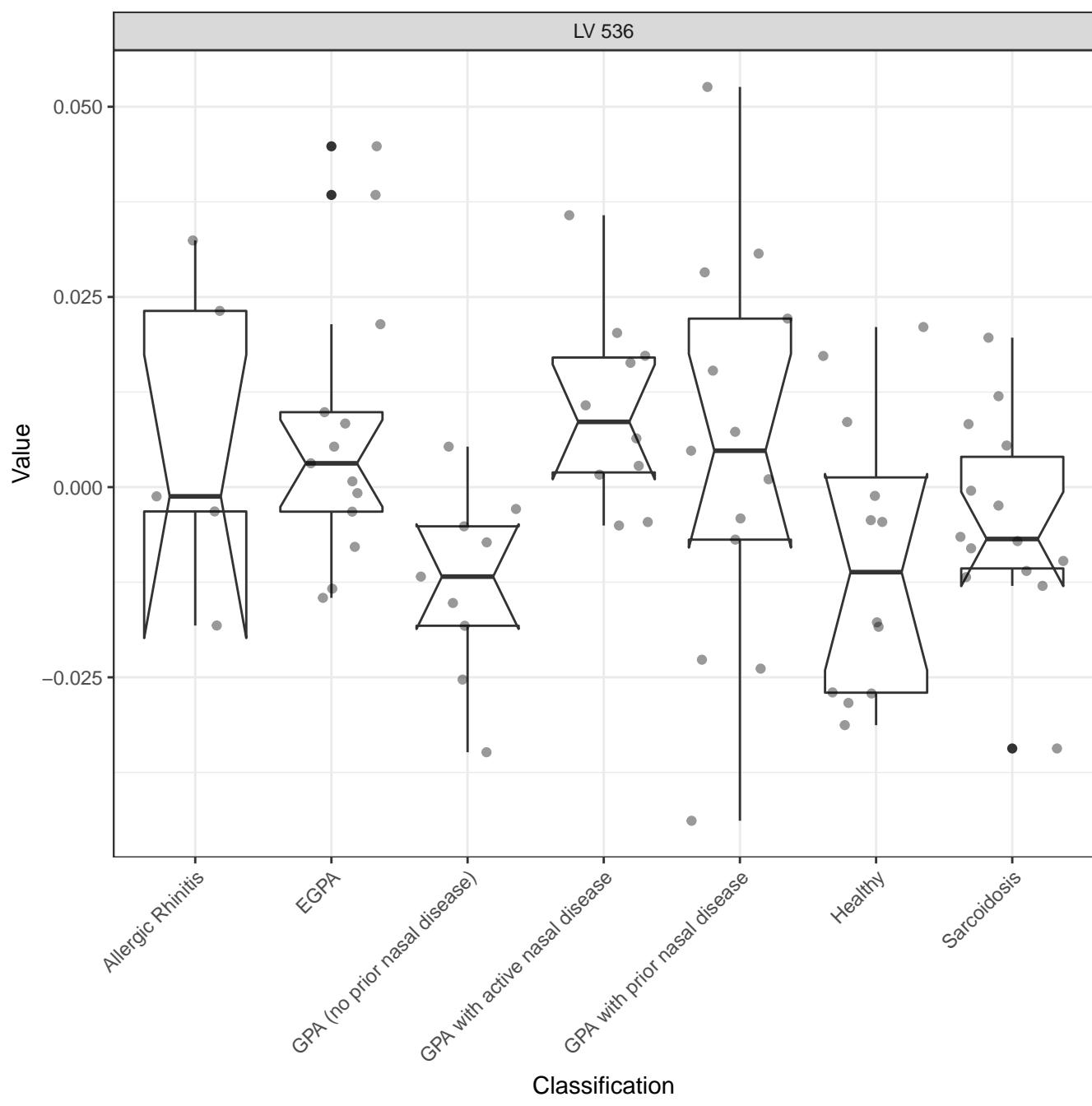
Healthy

Sarcoidosis

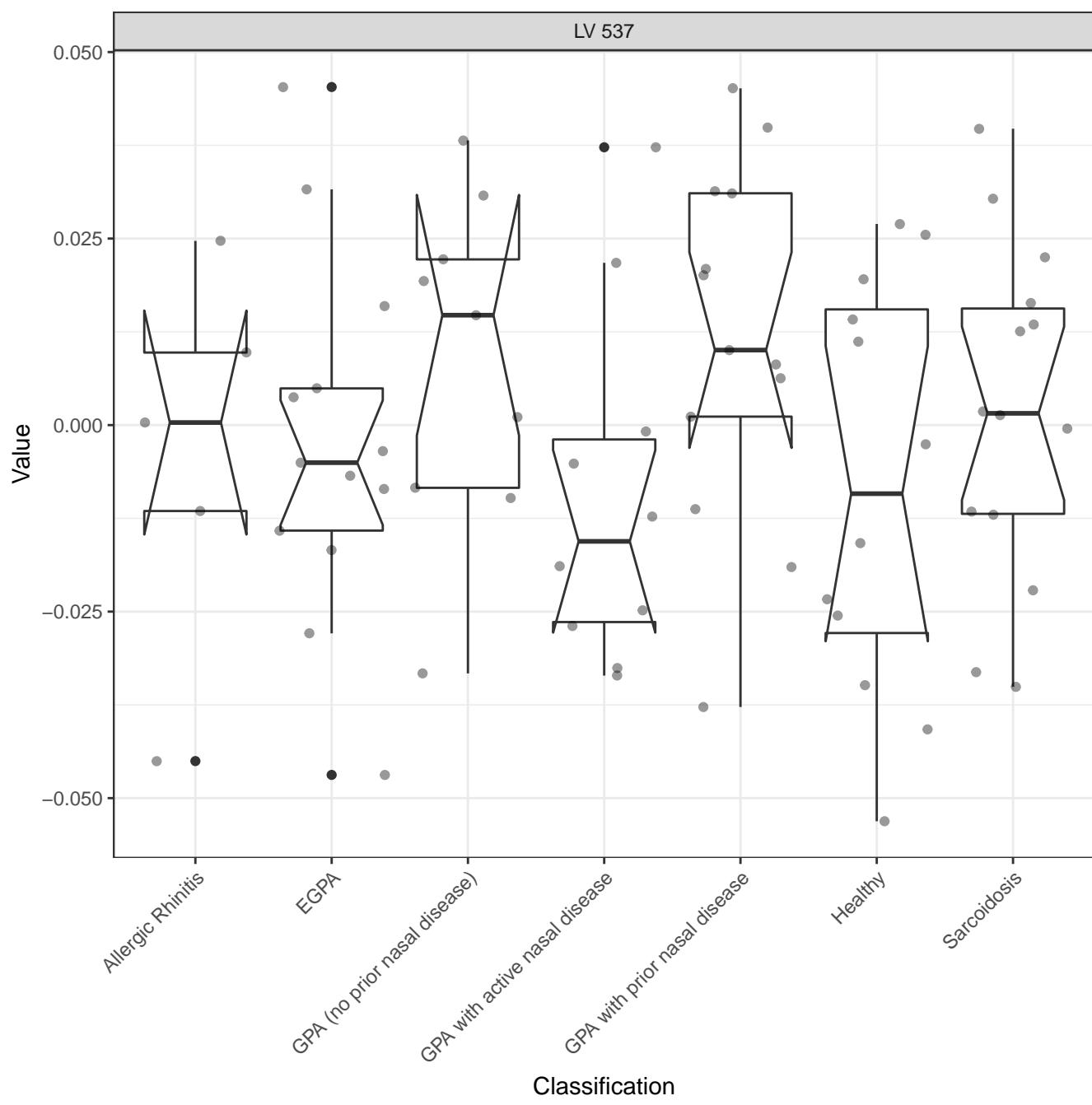
Classification

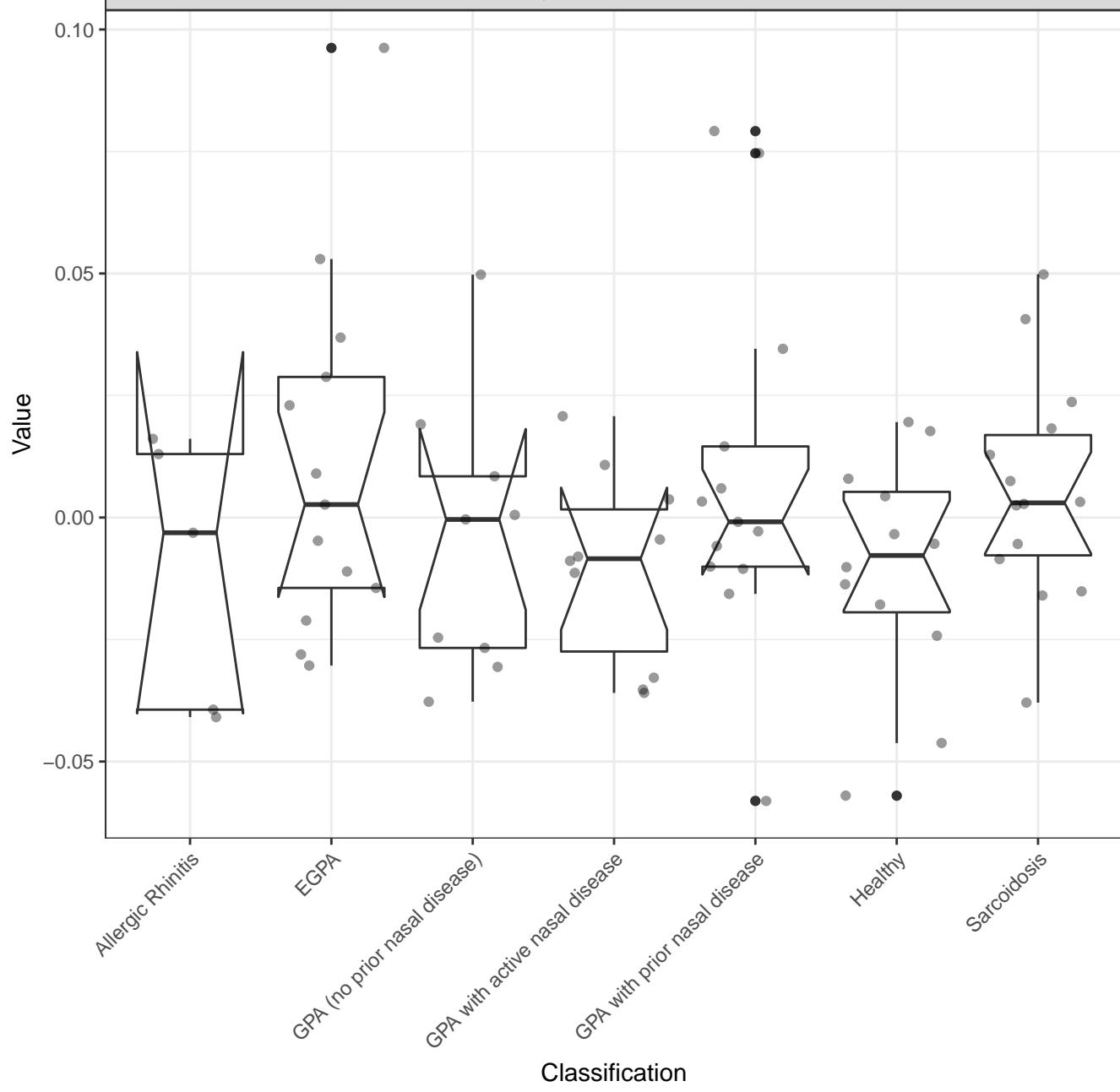






LV 537





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

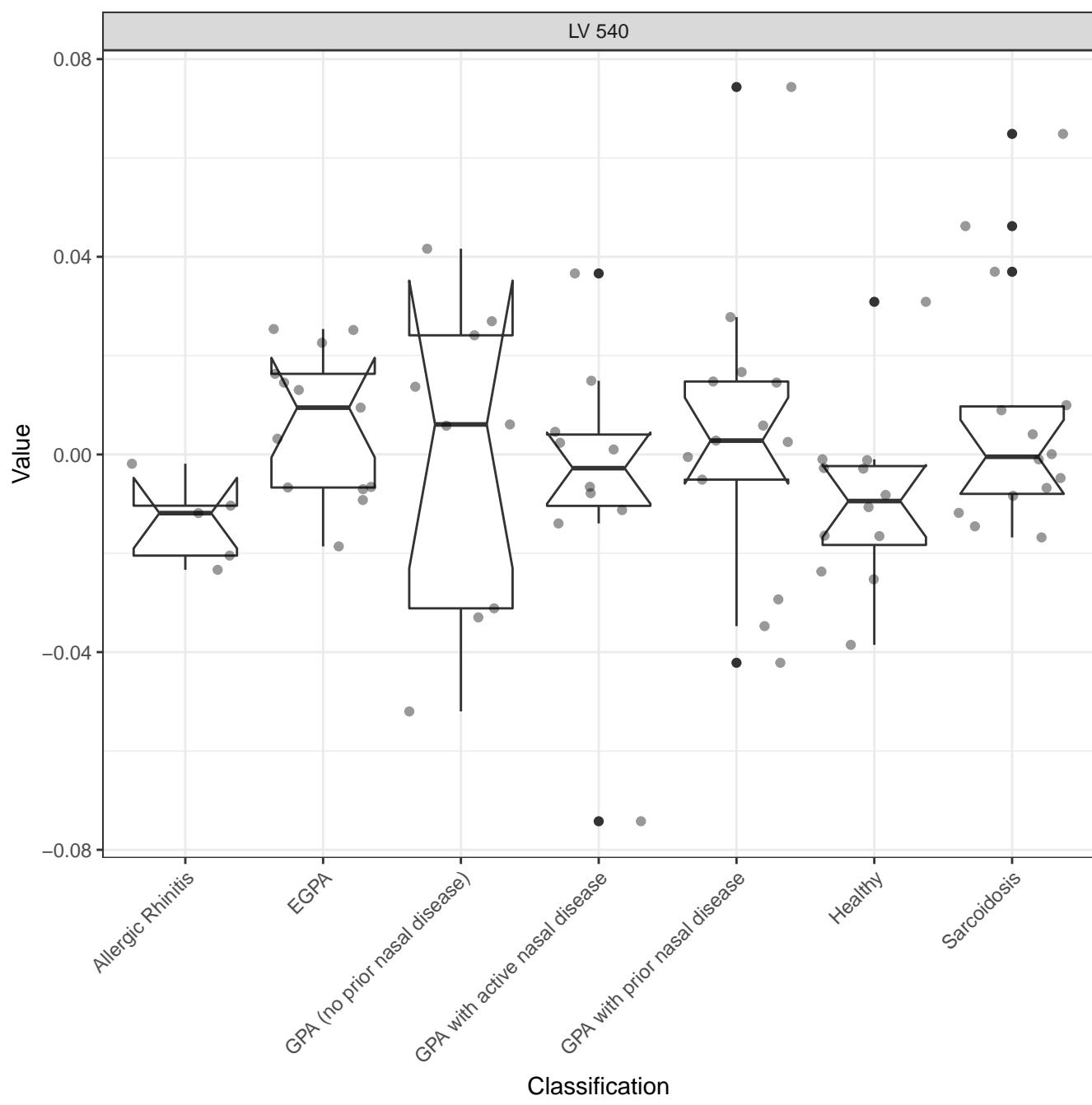
GPA with active nasal disease

GPA with prior nasal disease

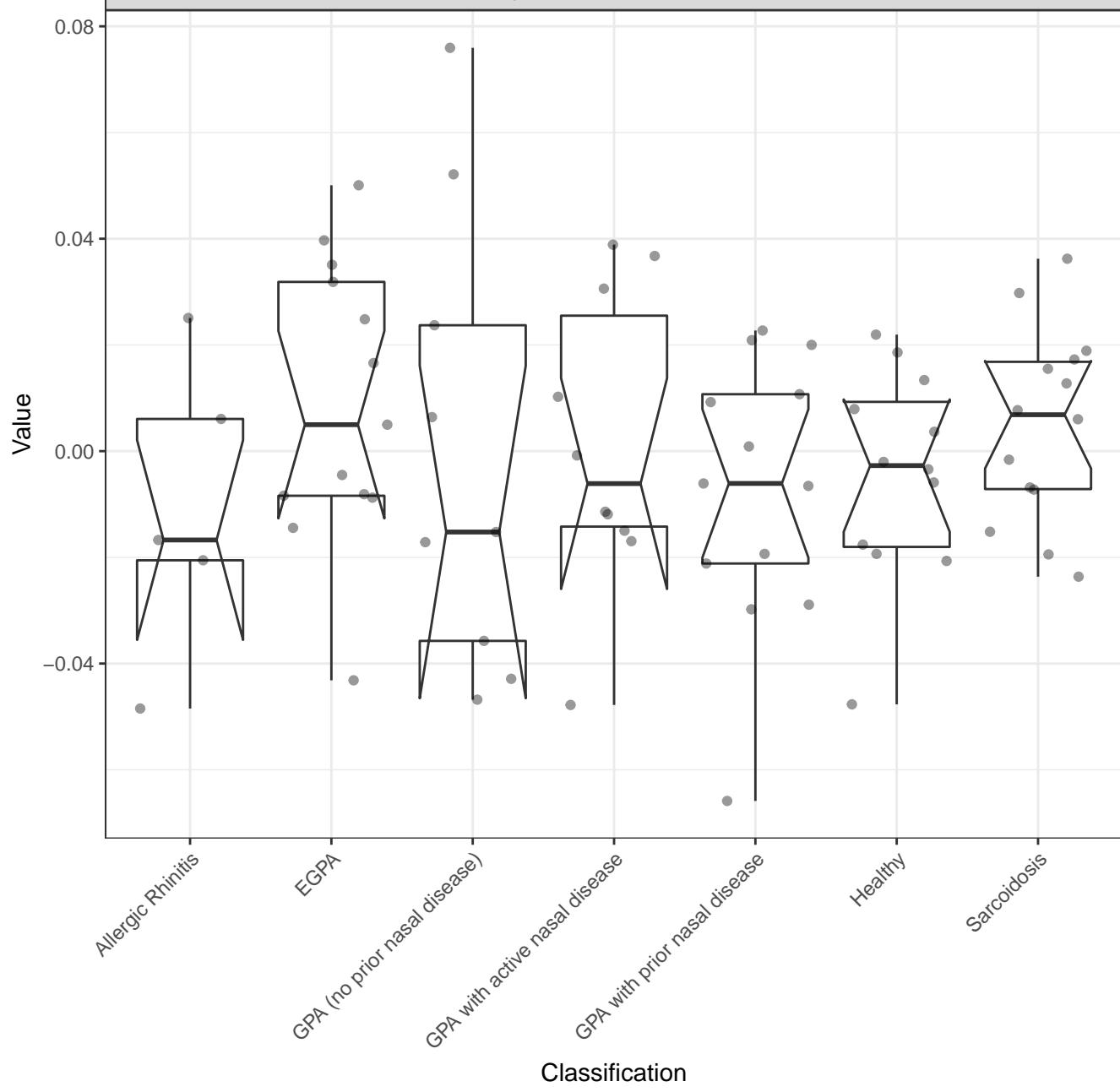
Healthy

Sarcoidosis

Classification



541,REACTOME_G1_PHASE



Value

0.1

0.0

-0.1

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

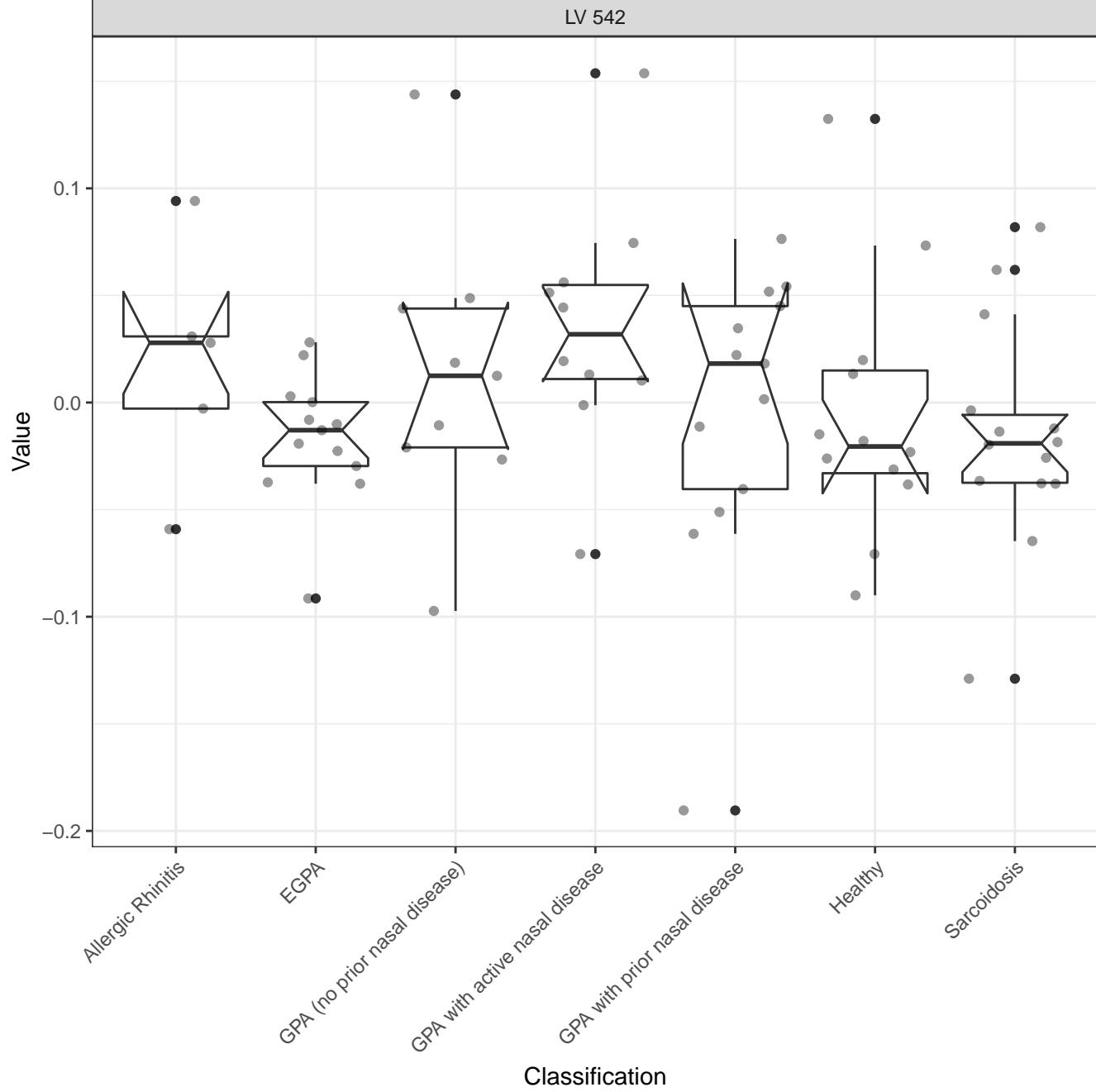
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

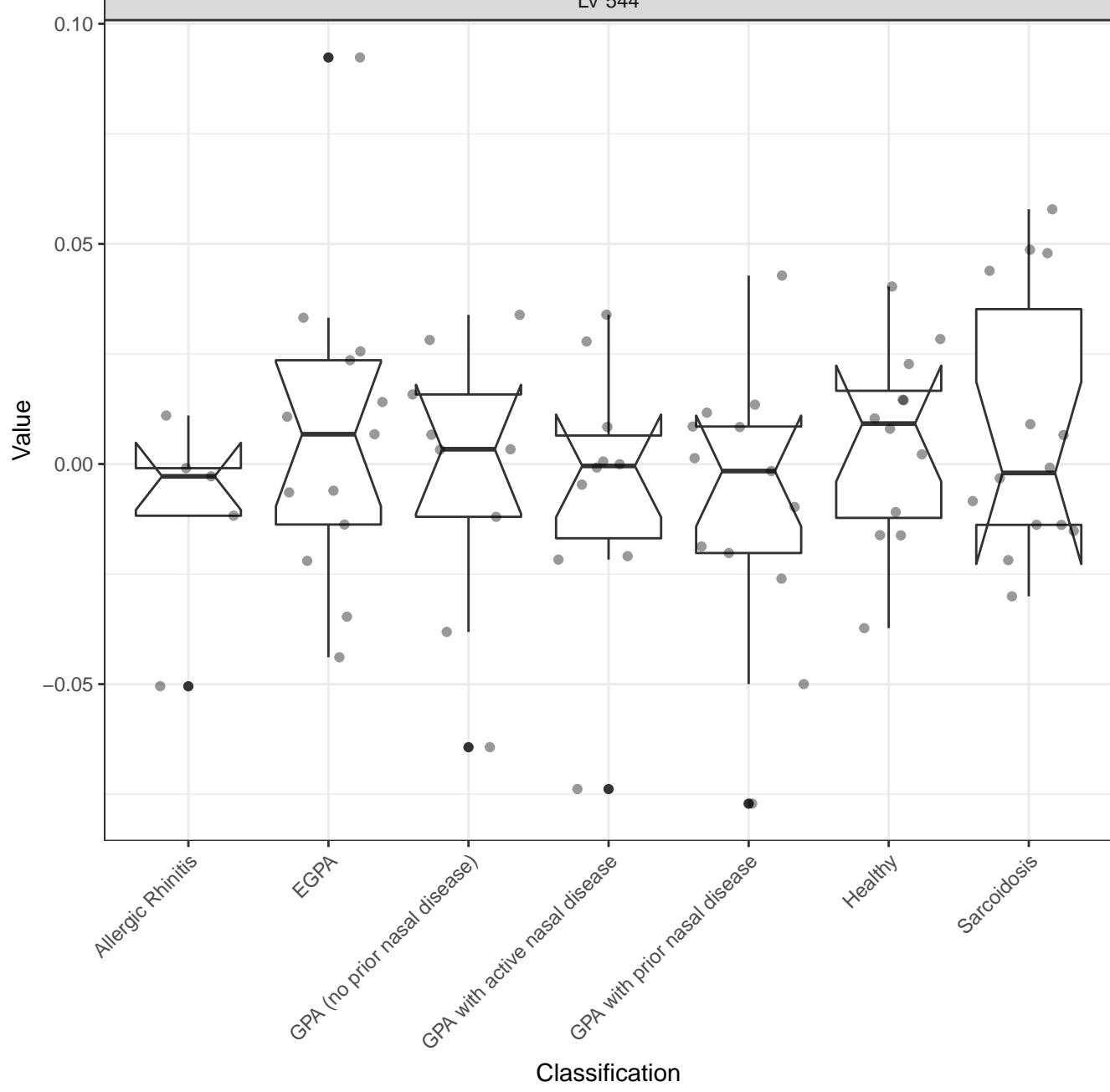
GPA with active nasal disease

GPA with prior nasal disease

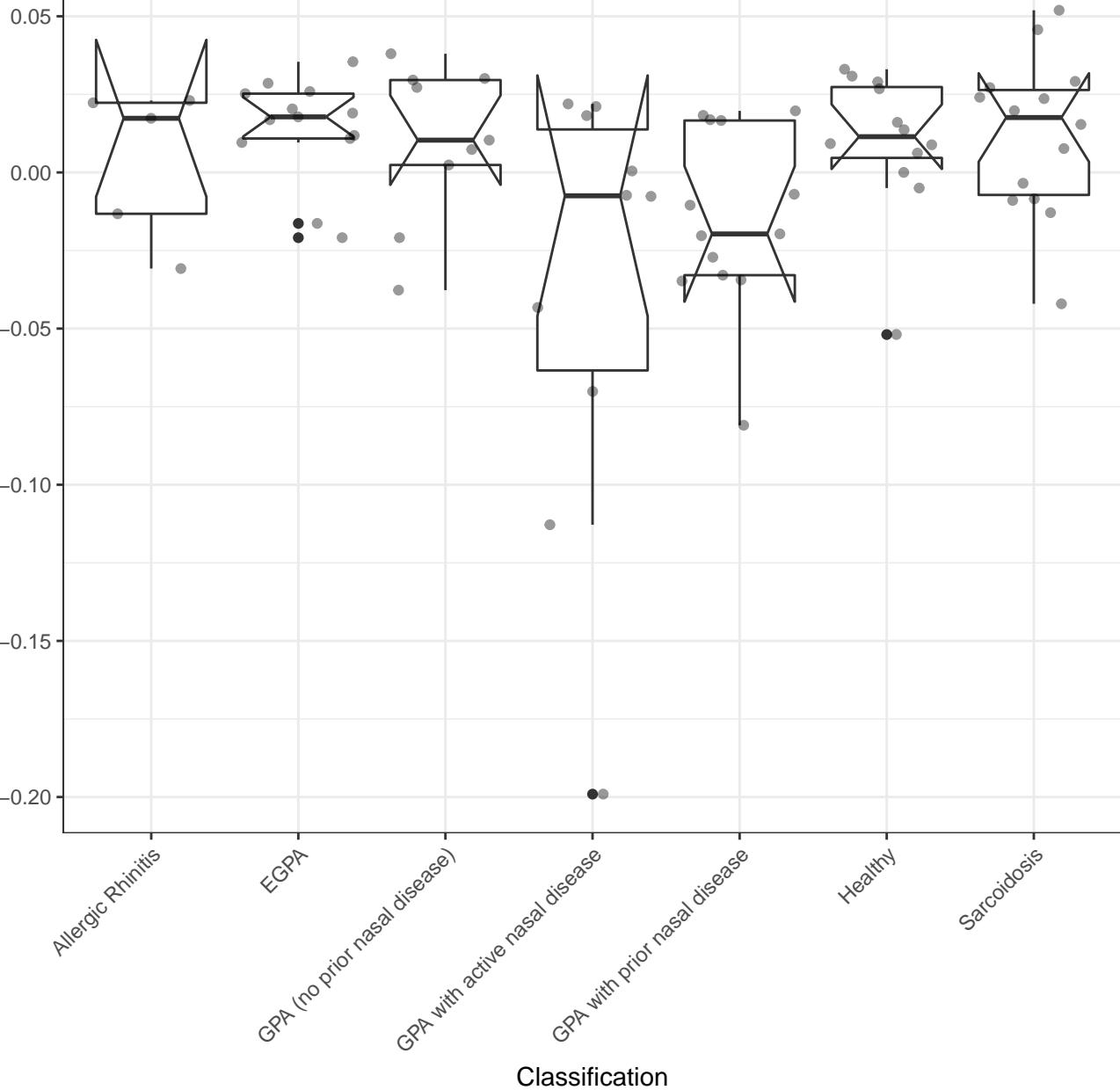
Healthy

Sarcoidosis

Classification



Value



Value

0.03

0.01

-0.01

-0.03

-0.05

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

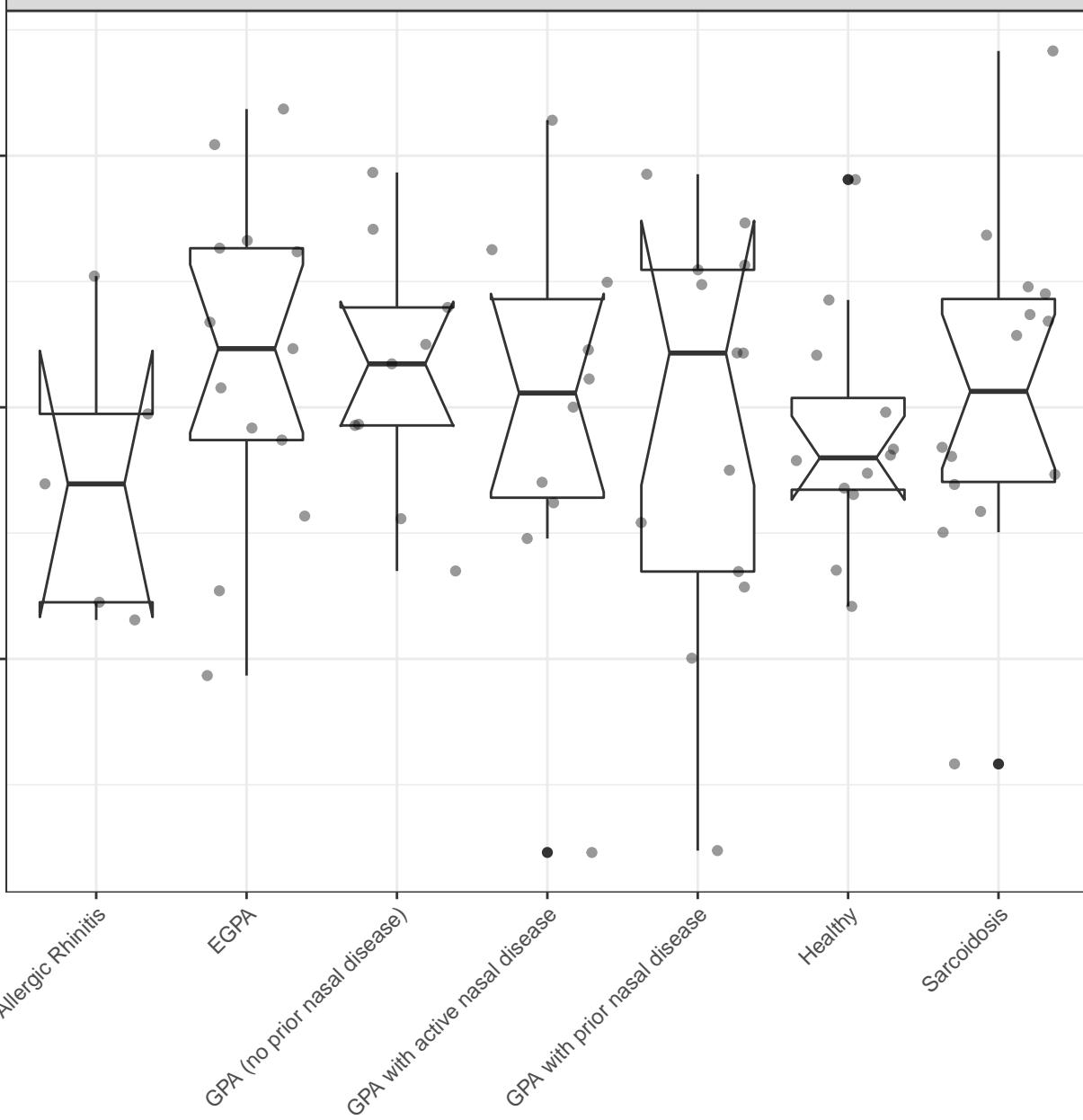
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

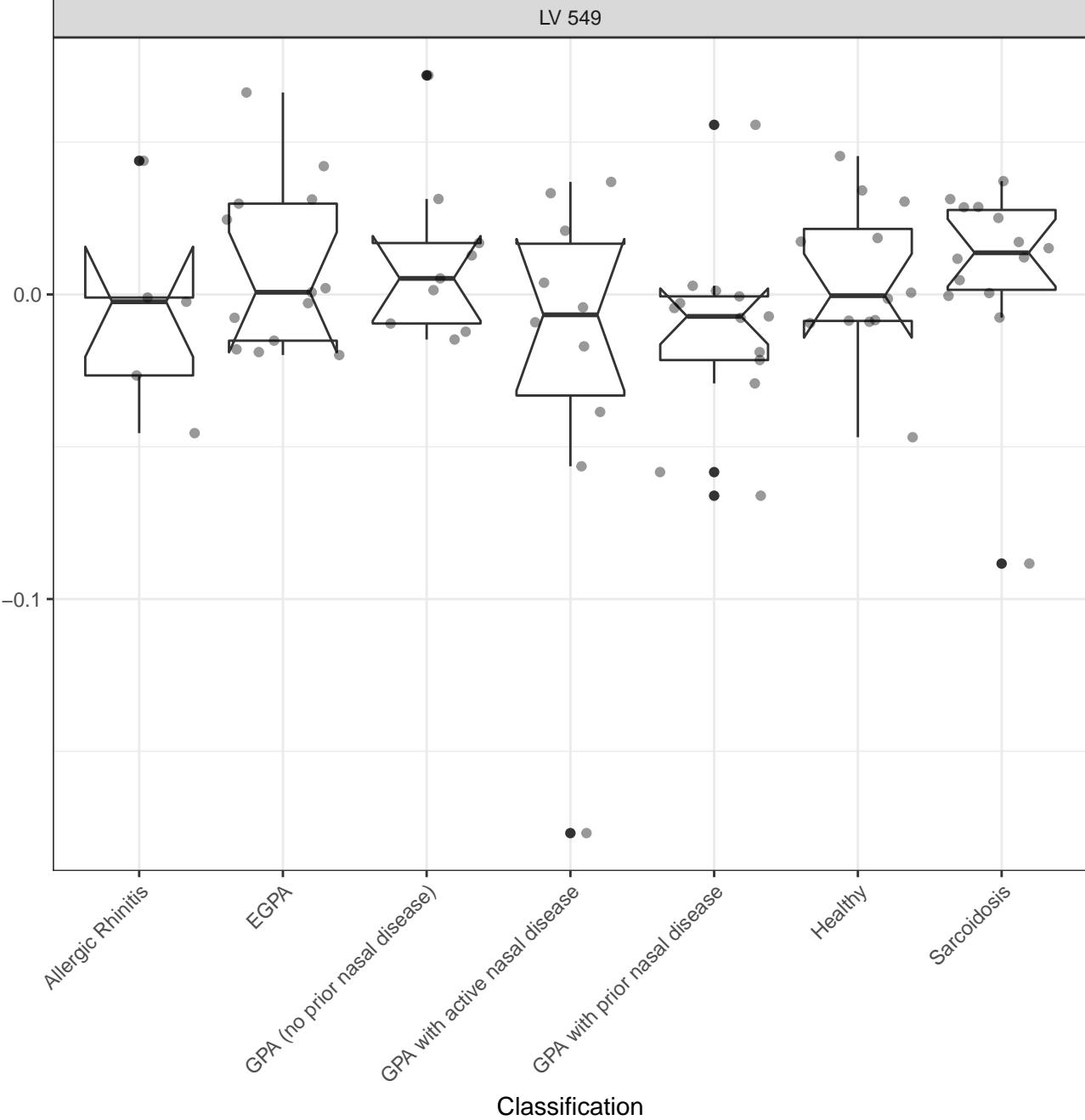
GPA with prior nasal disease

Healthy

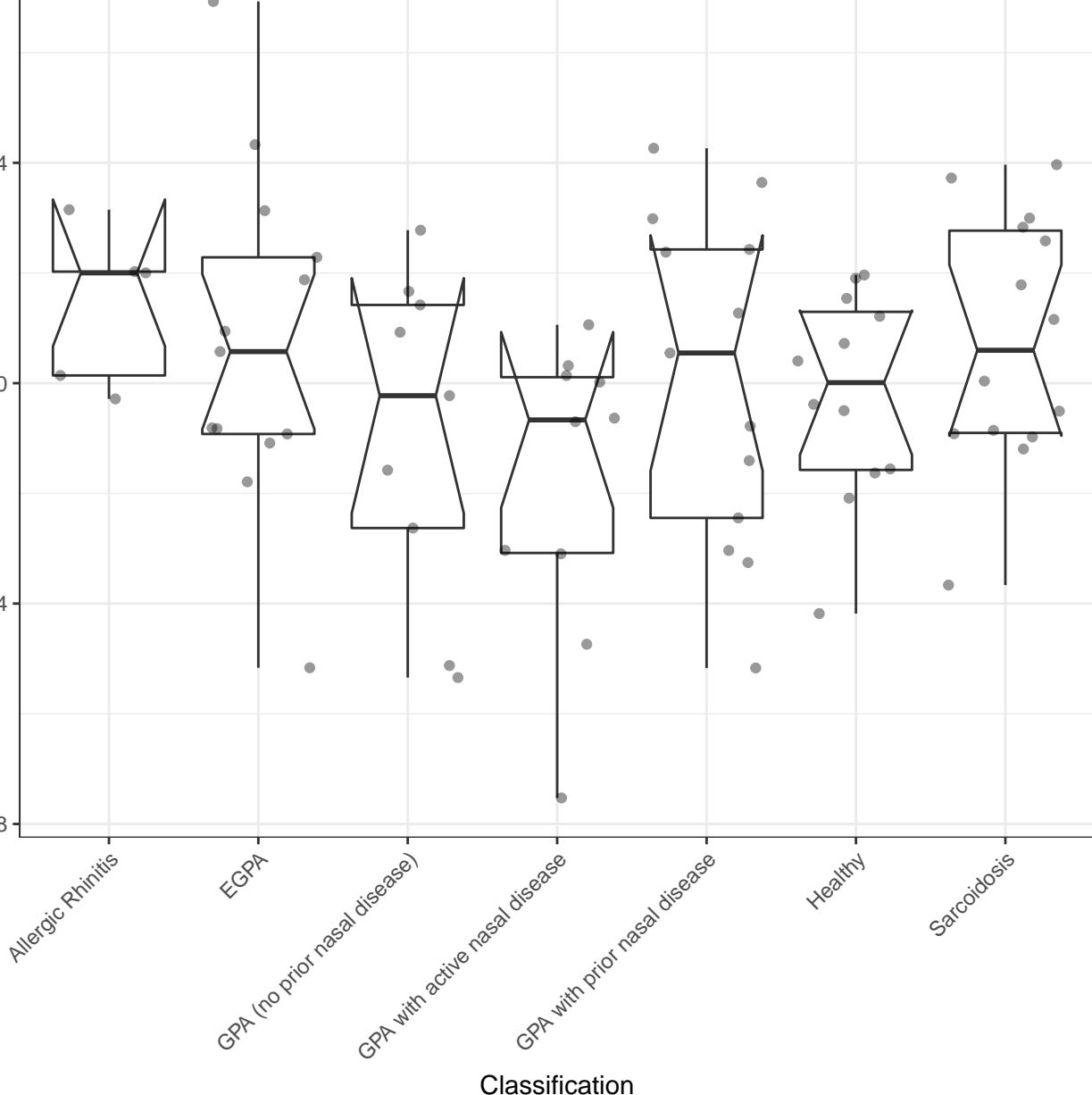
Sarcoidosis

Classification

Value



Value



Value

0.04

0.02

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

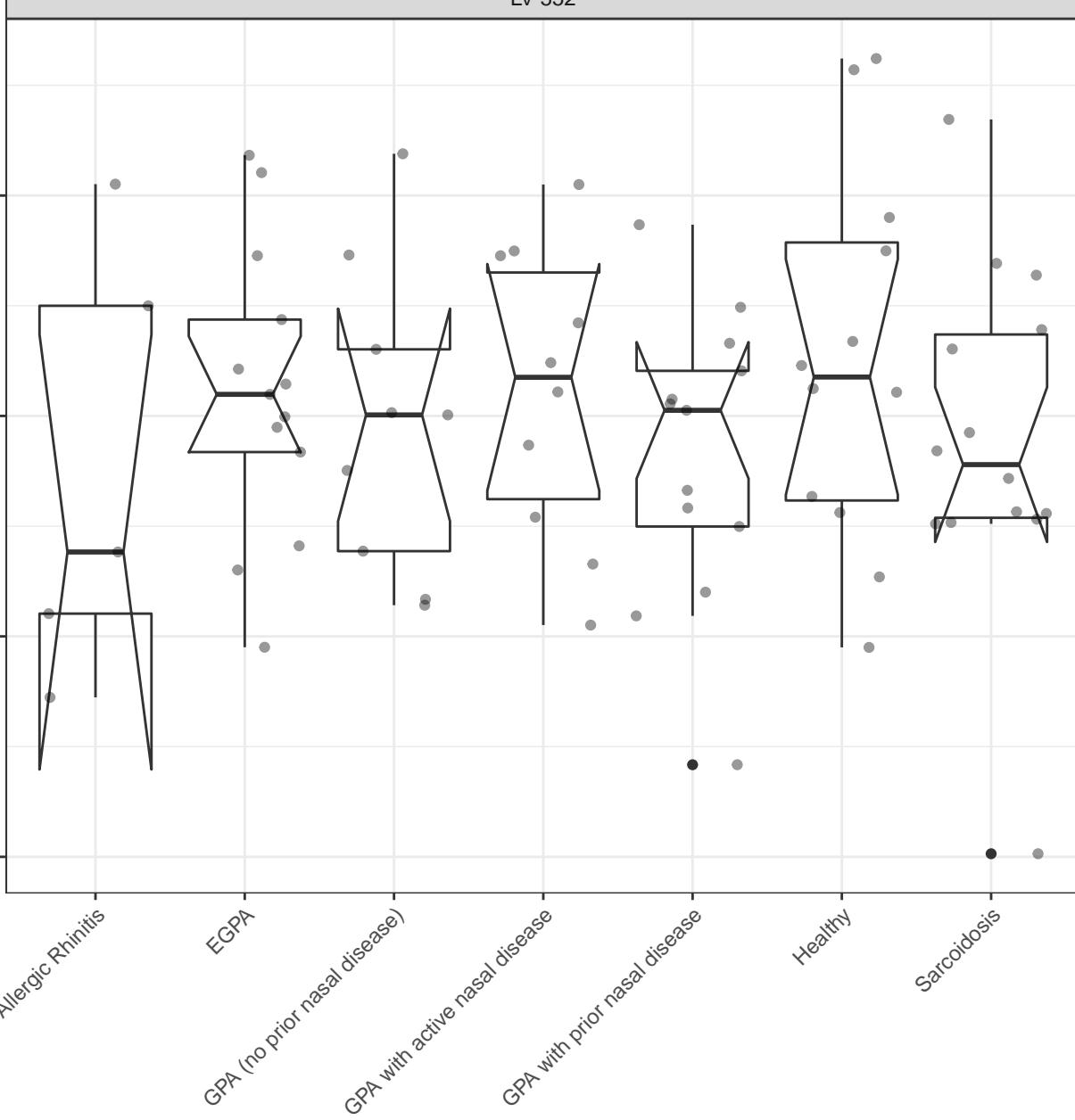
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

557,SVM Dendritic cells resting

Value

0.10

0.05

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

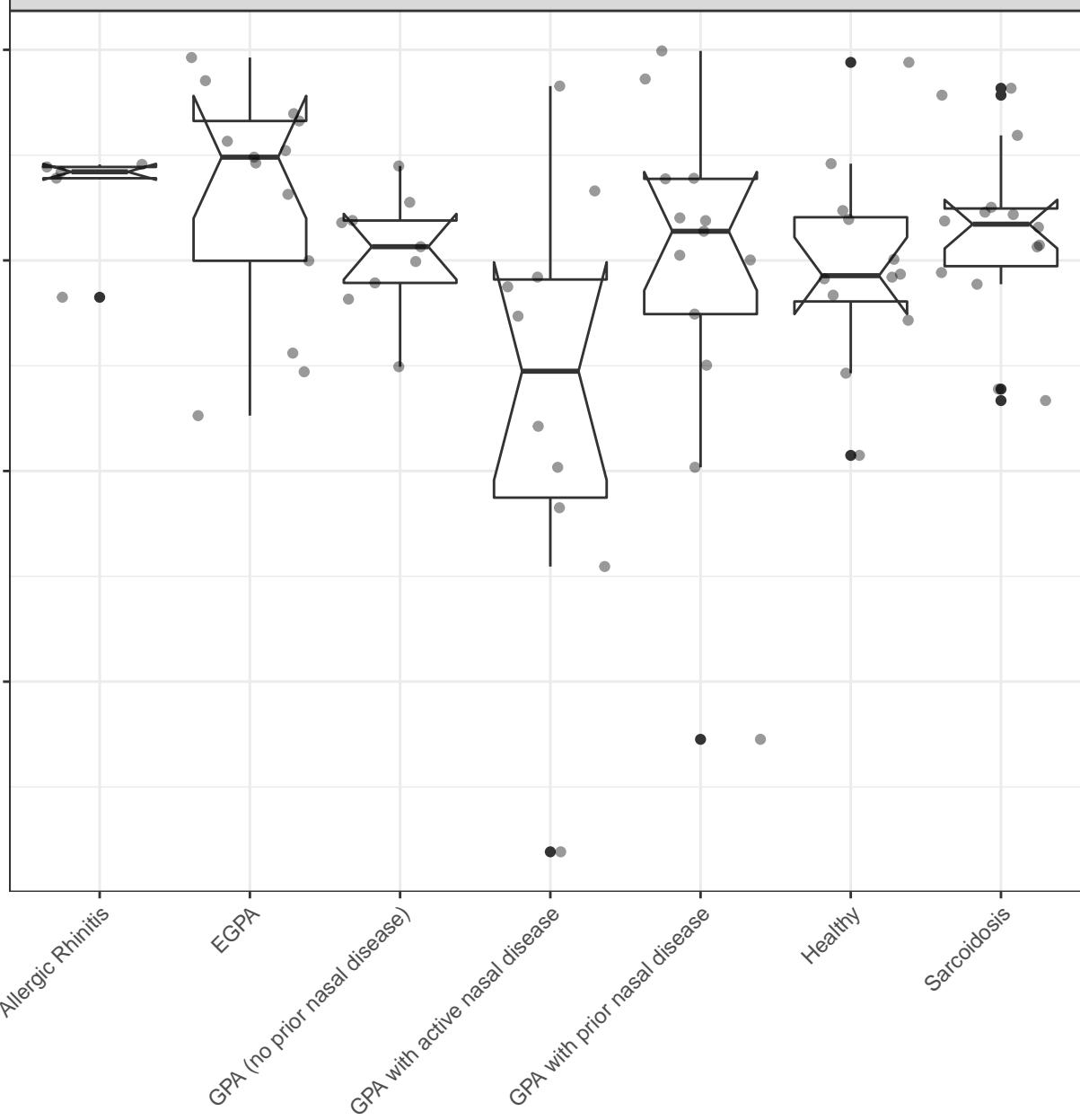
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

0.025

0.000

-0.025

-0.050

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

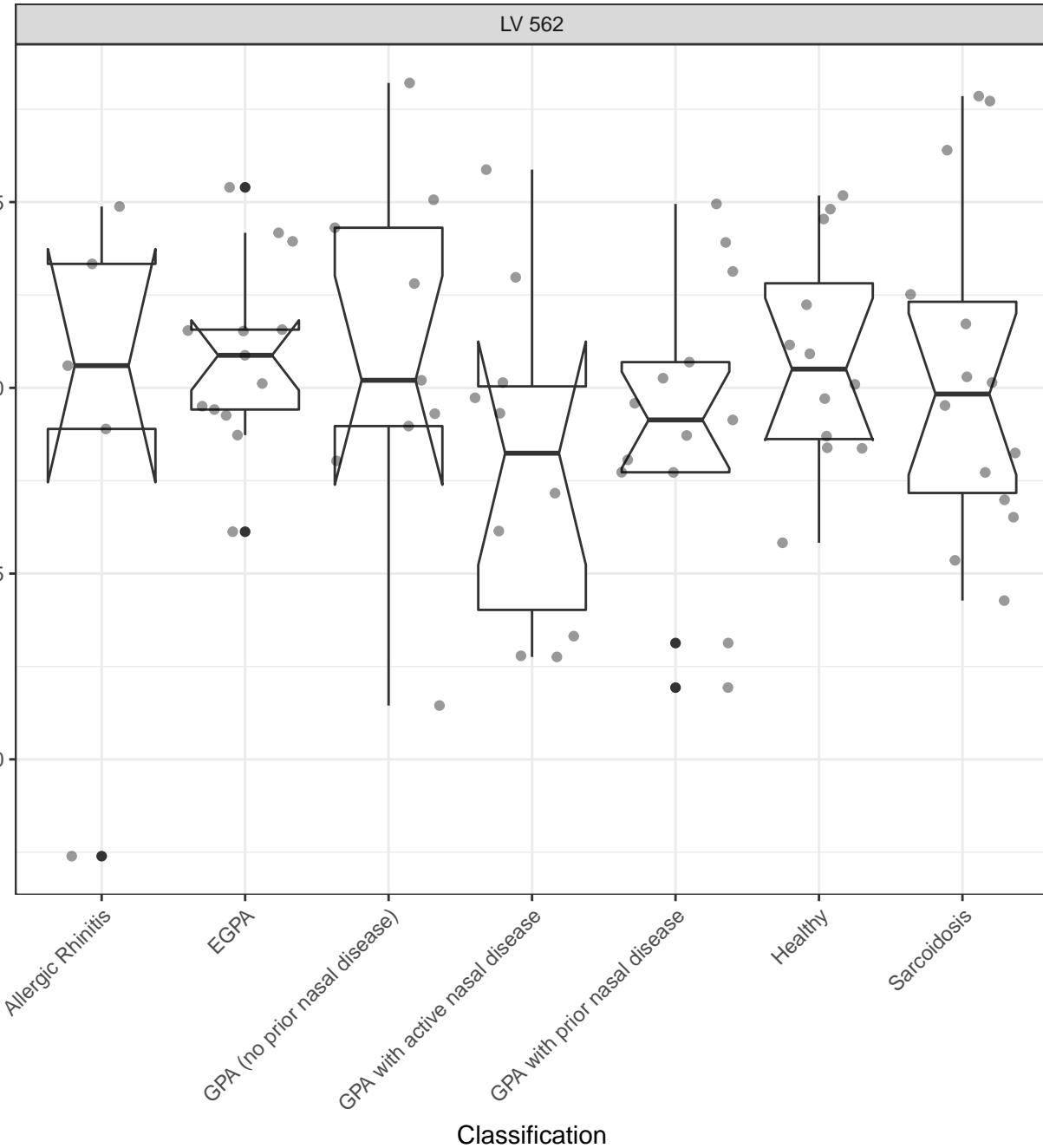
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

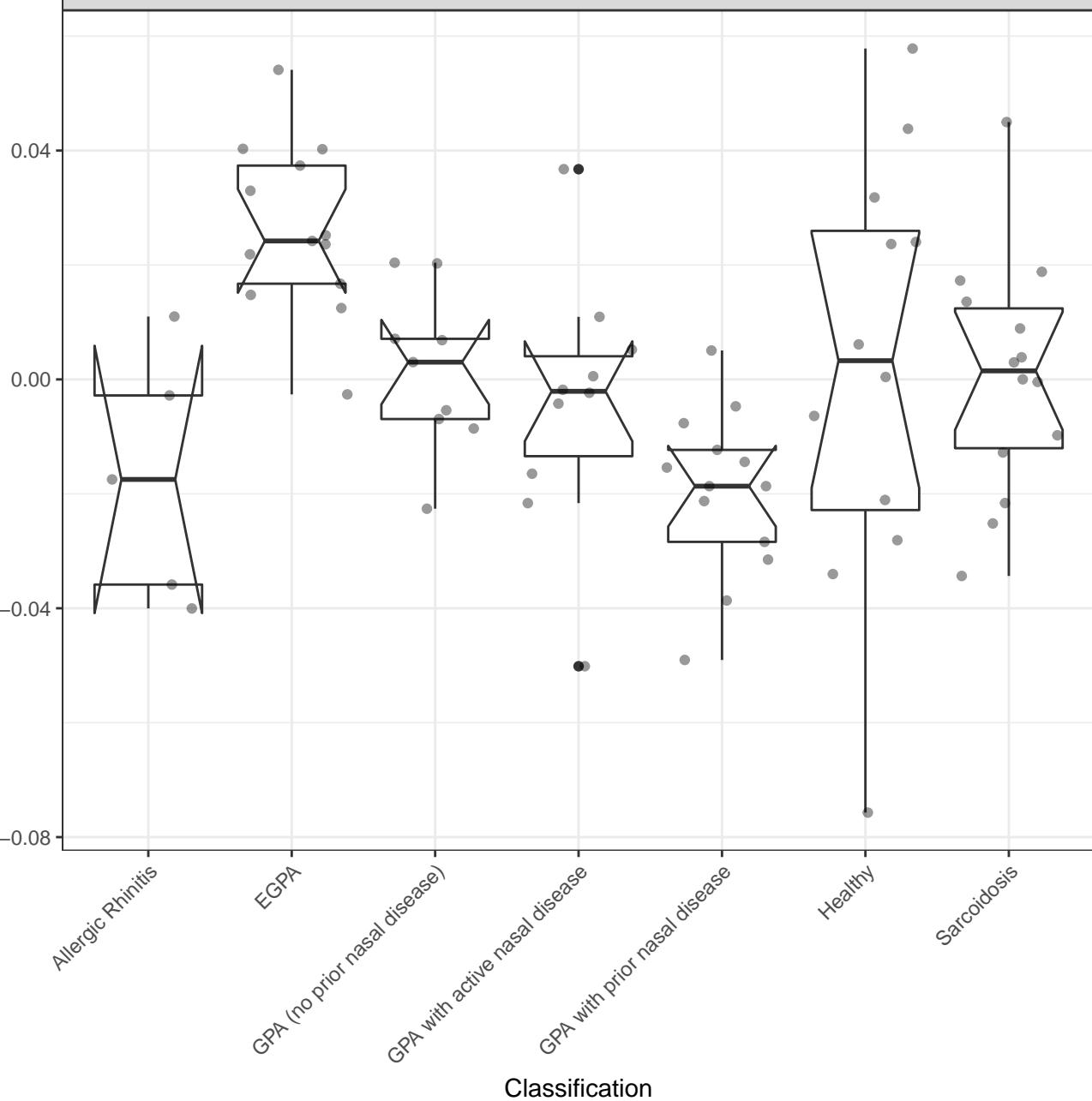
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

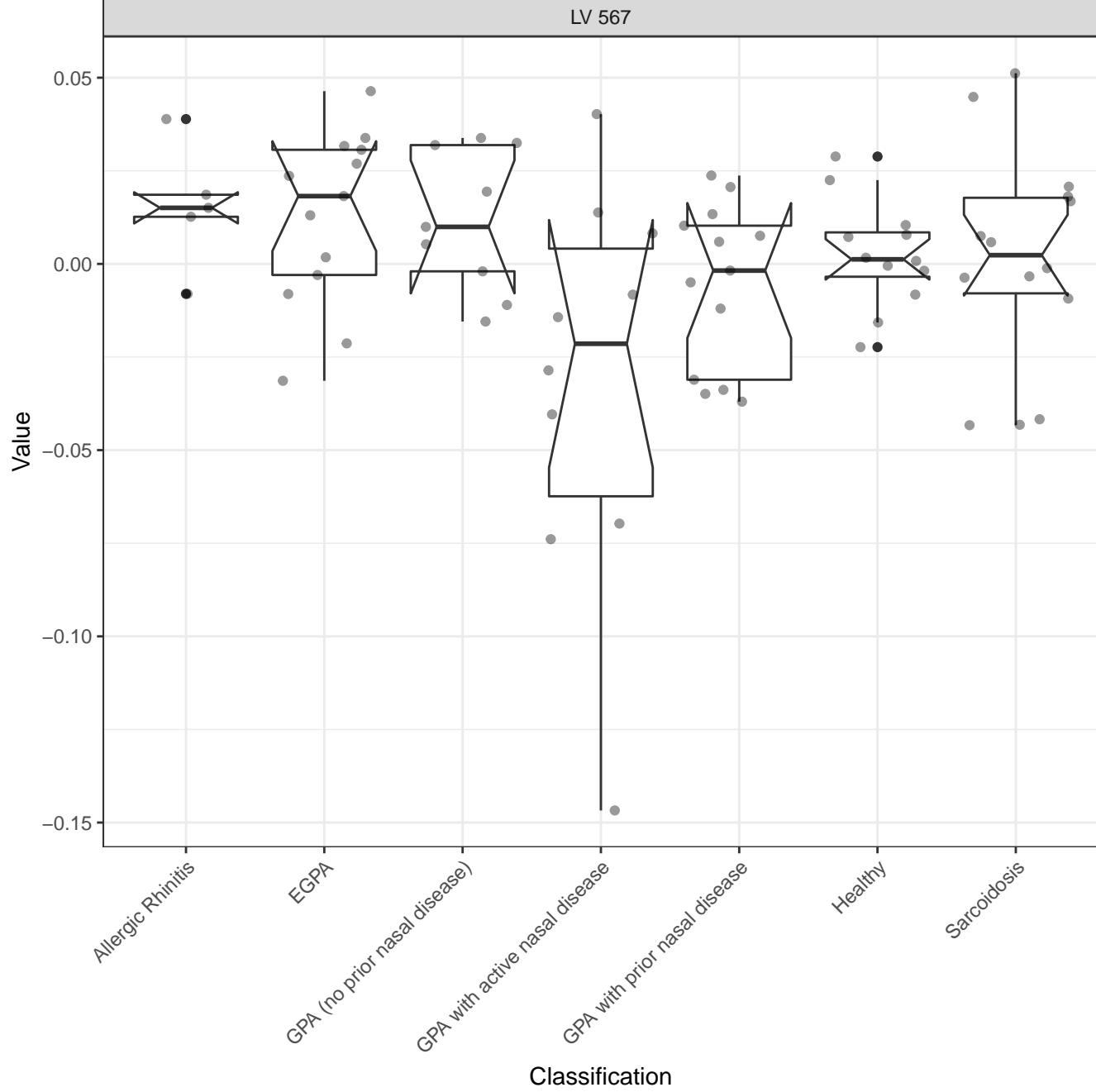
GPA with active nasal disease

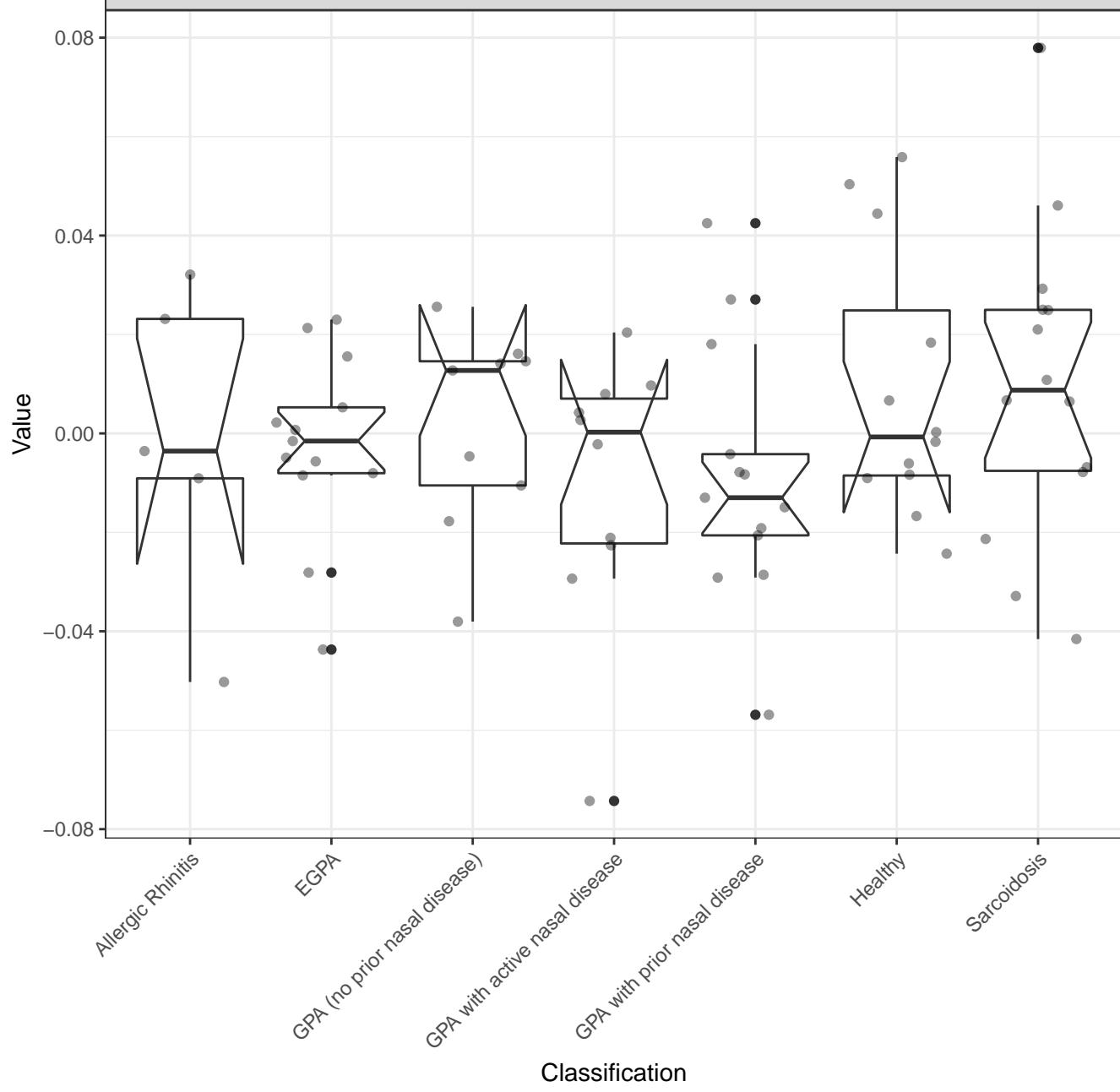
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

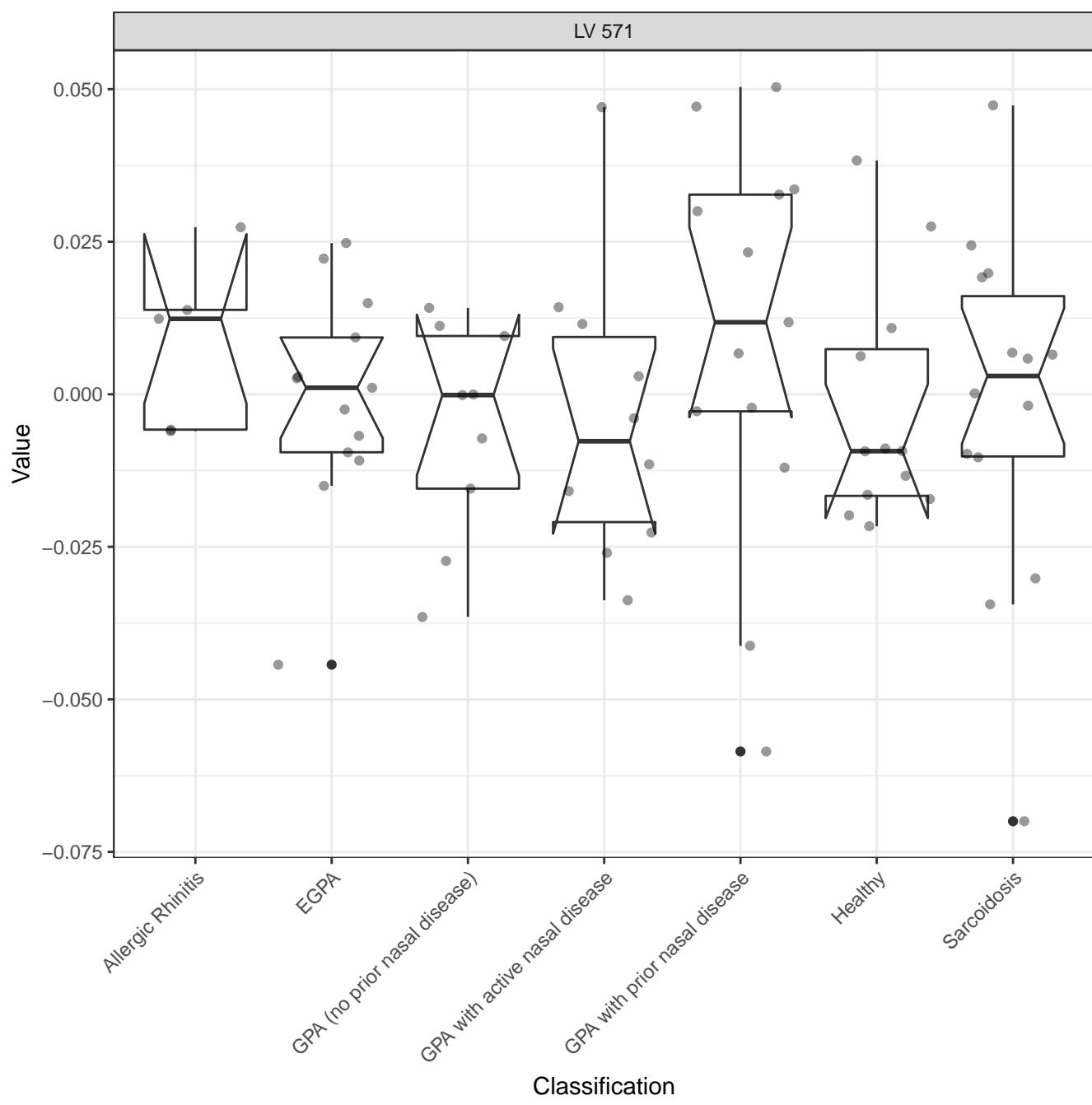
GPA with prior nasal disease

Healthy

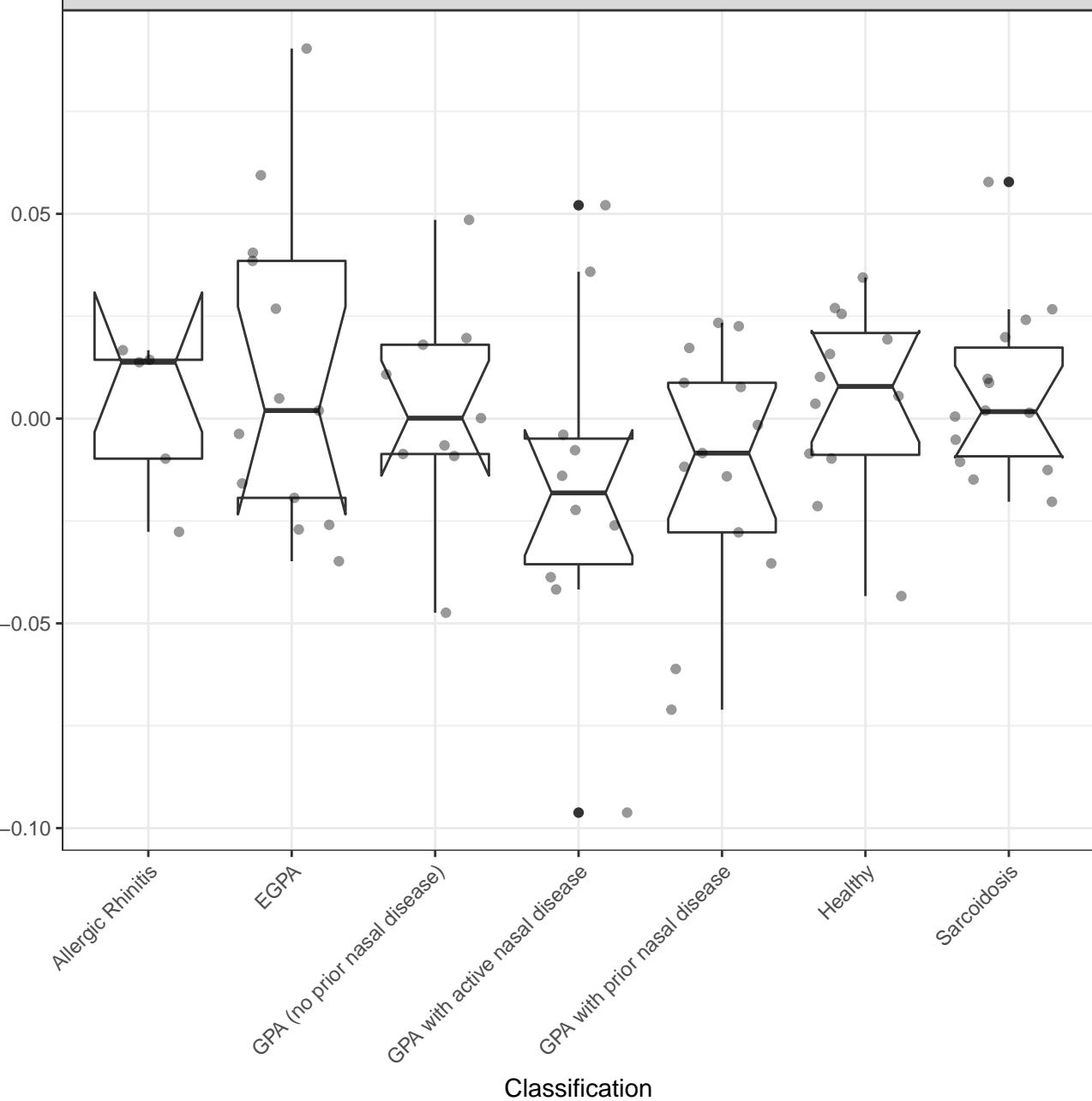
Sarcoidosis

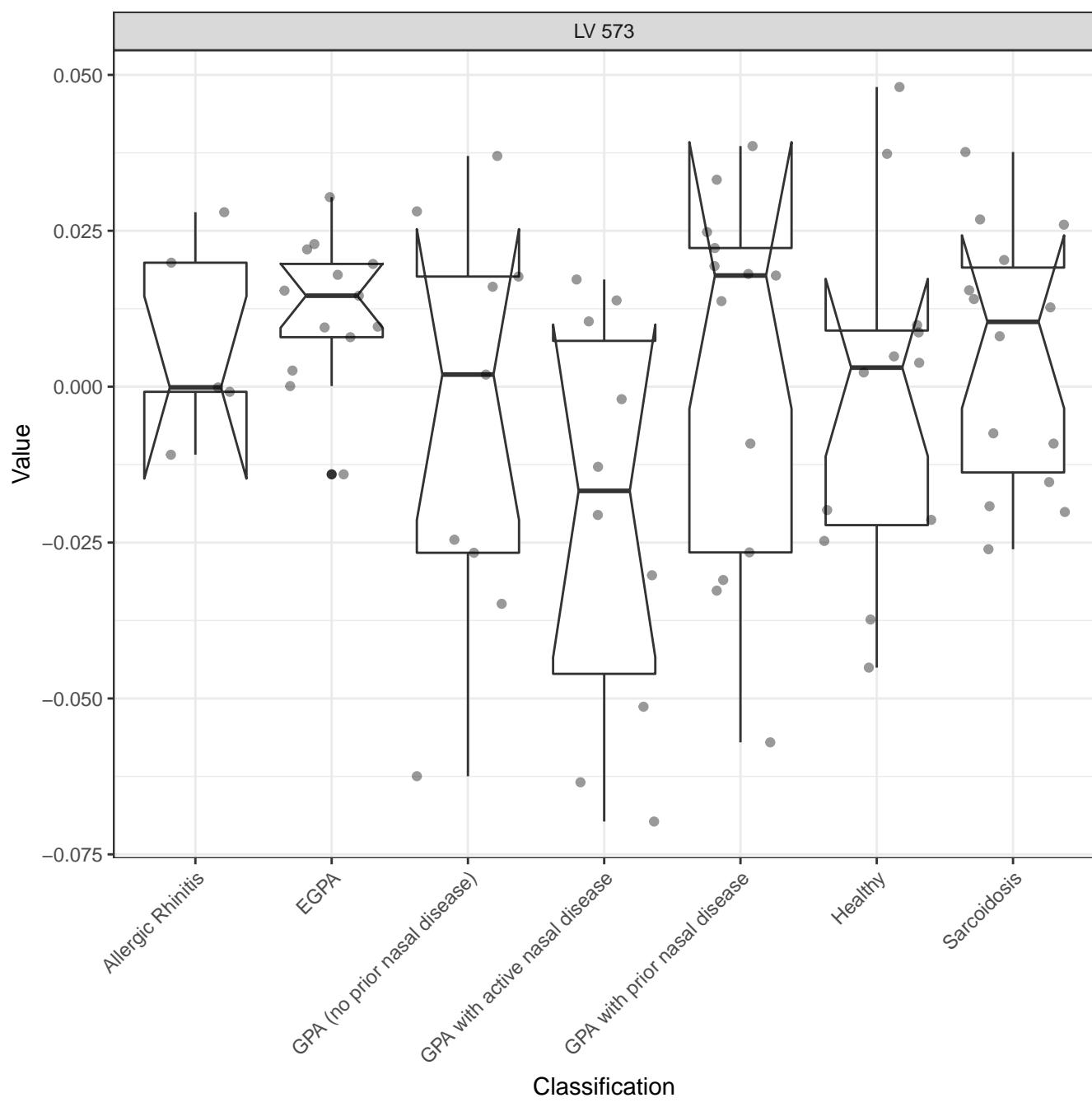
Classification

LV 571



Value





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

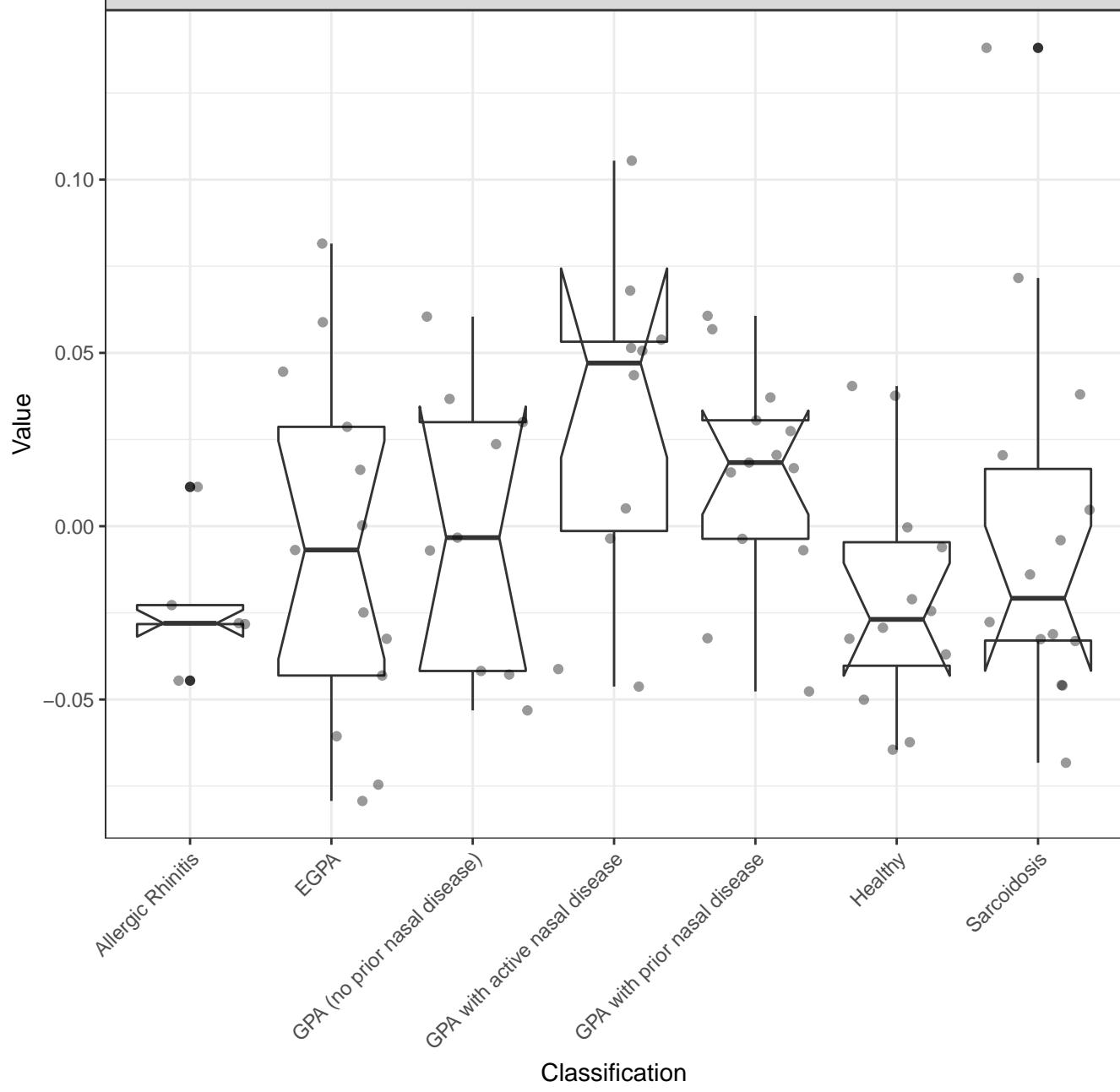
GPA with active nasal disease

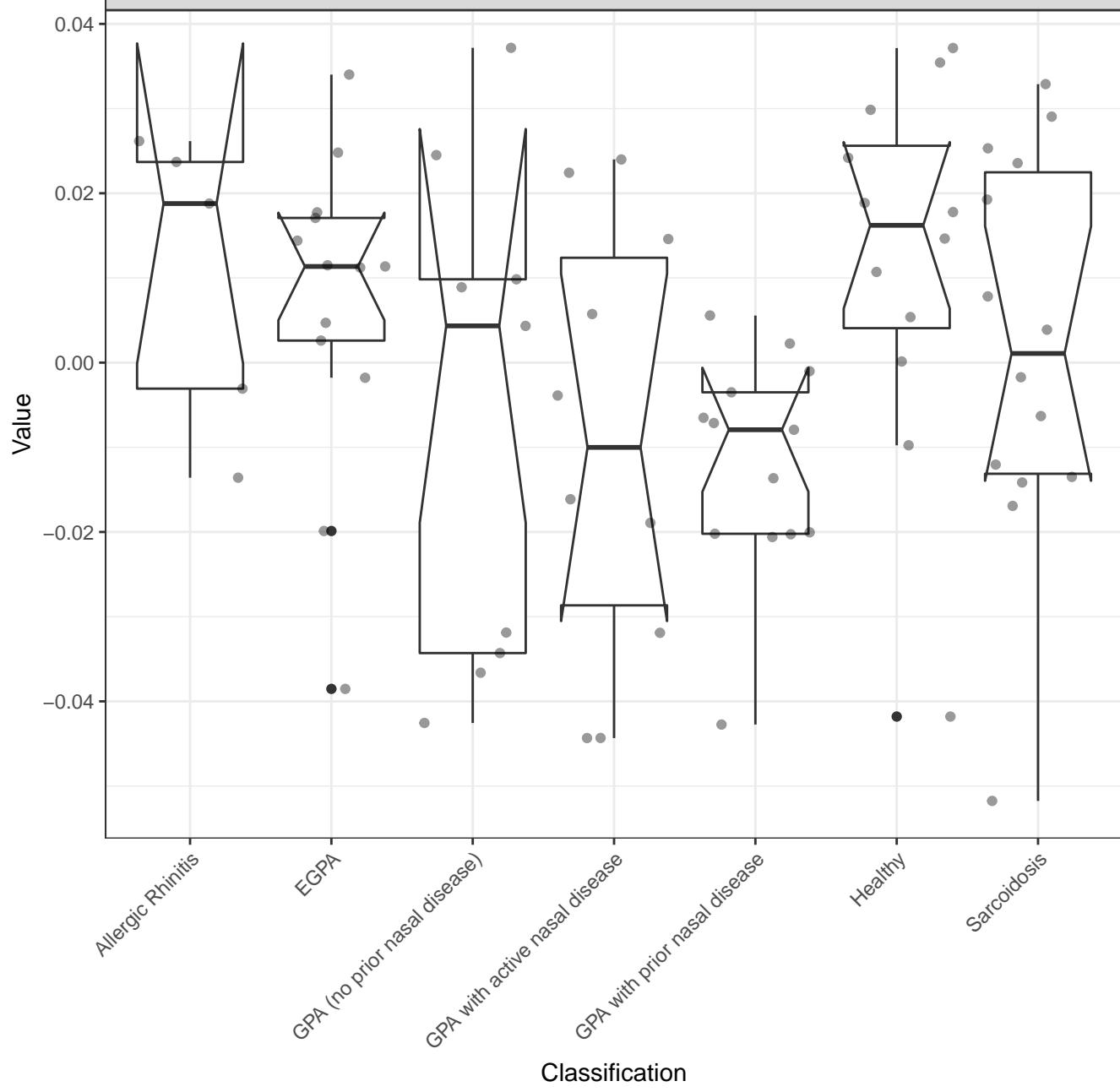
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.06

0.03

0.00

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

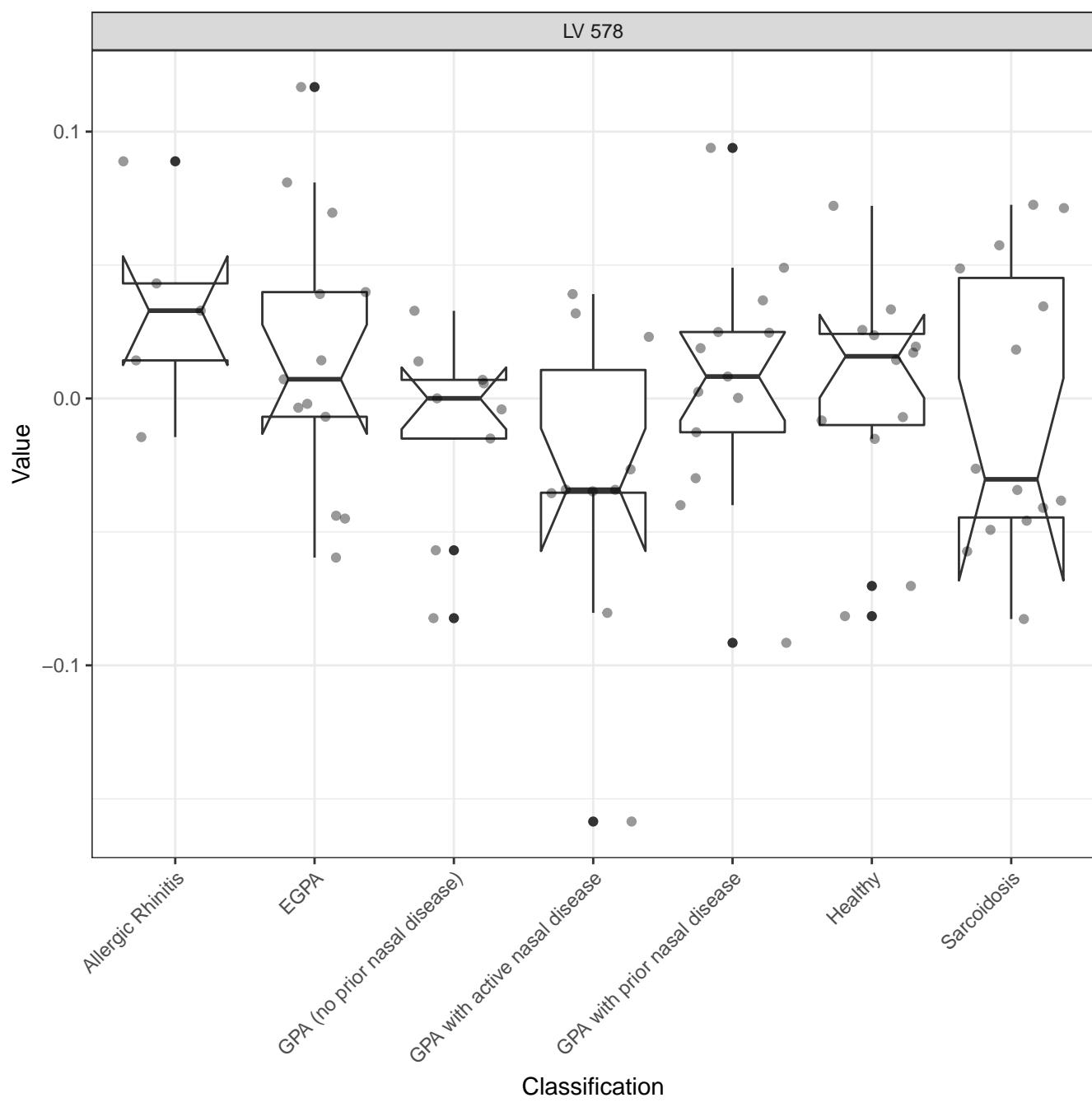
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

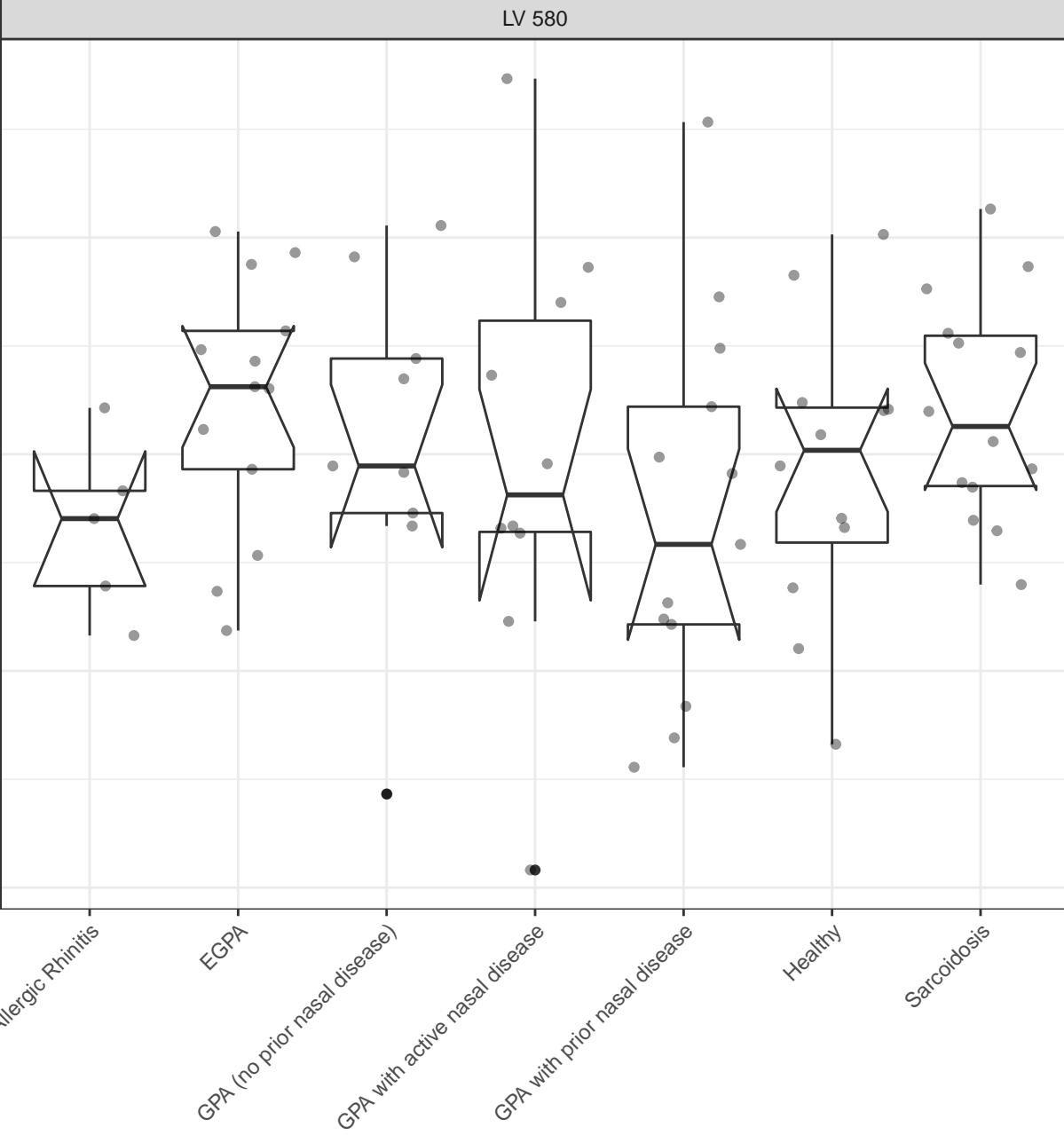
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

583,MIPS_39S_RIBOSOMAL_SUBUNIT MITOCHONDRIAL

Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

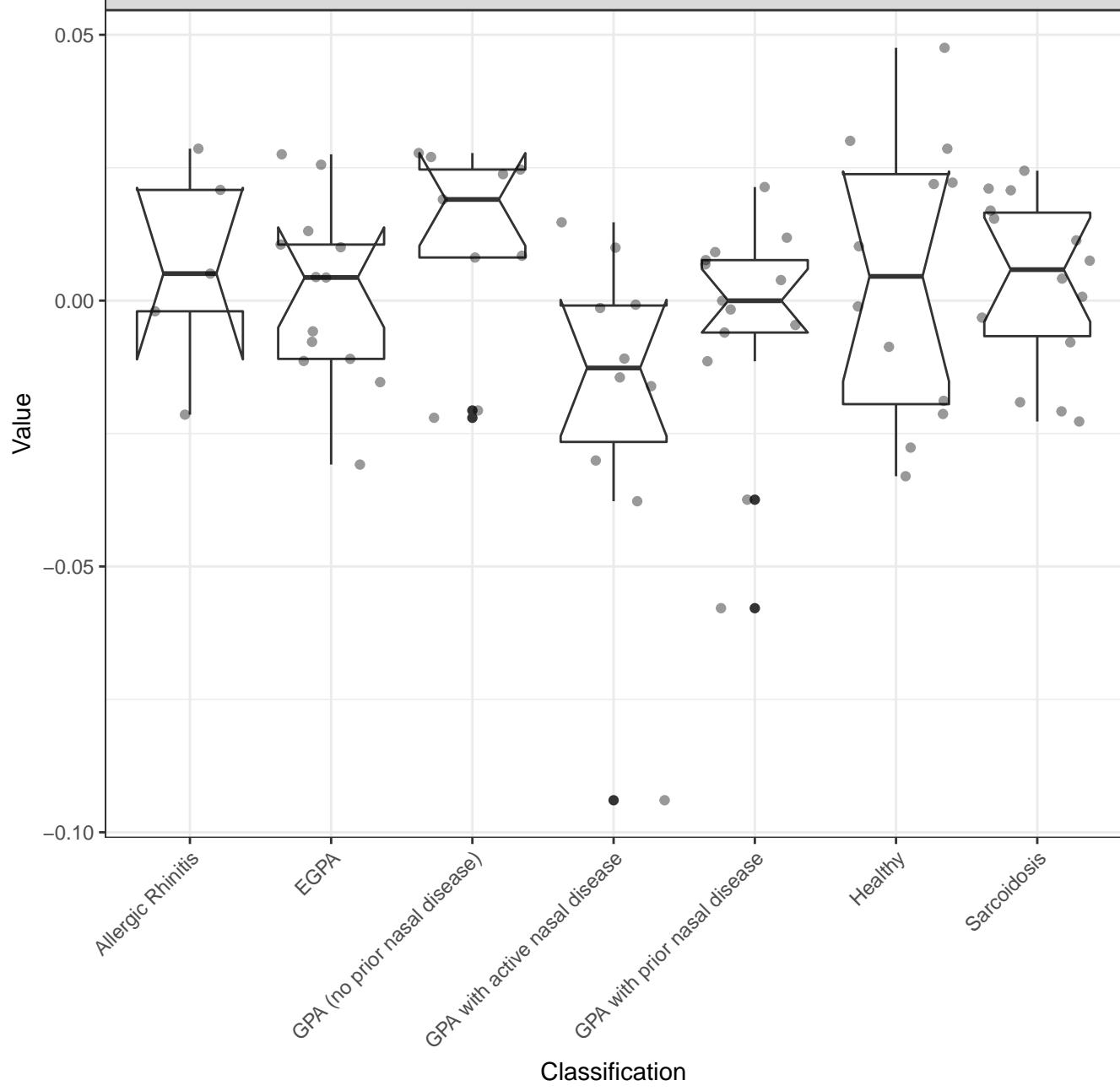
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

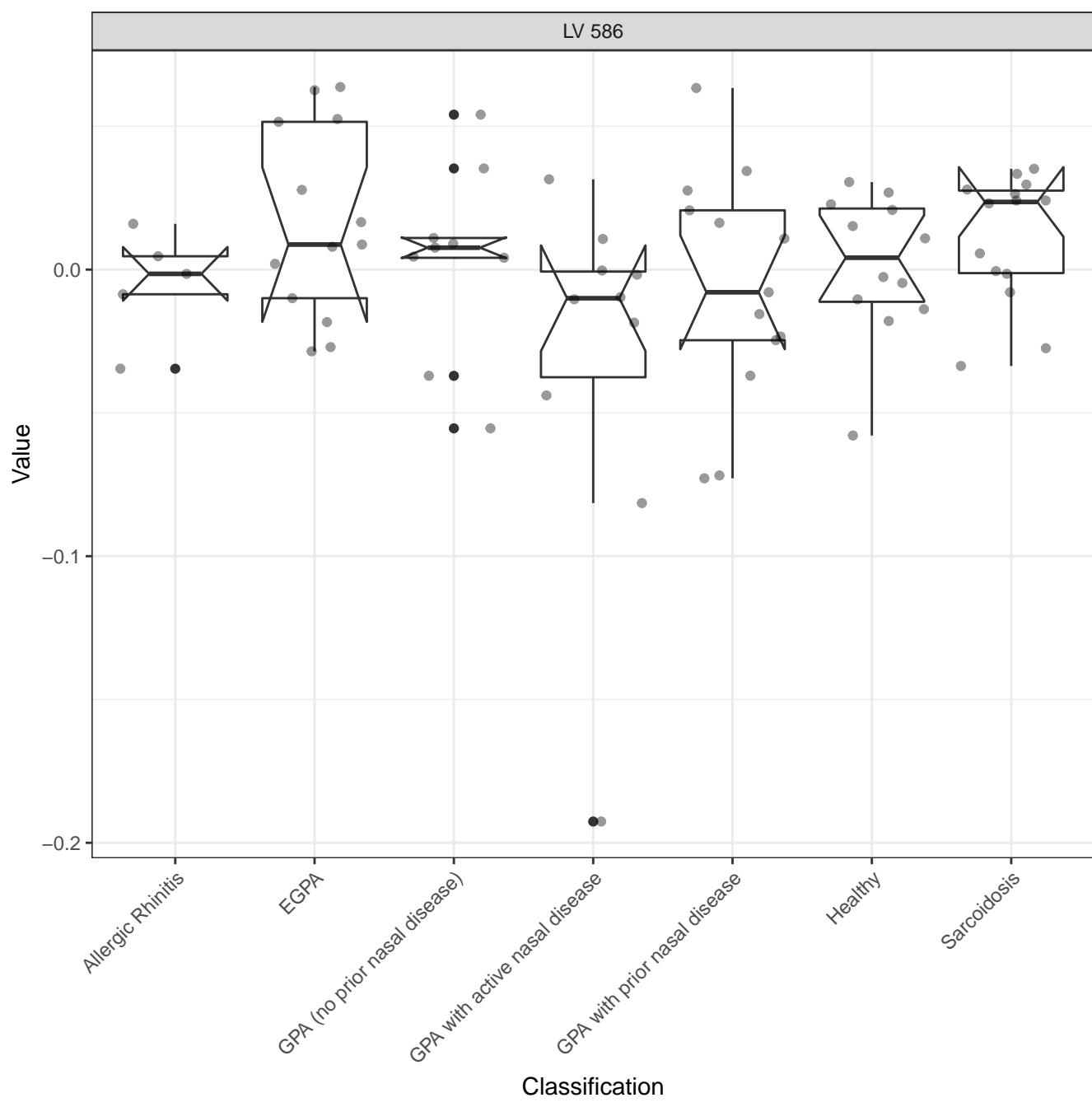
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

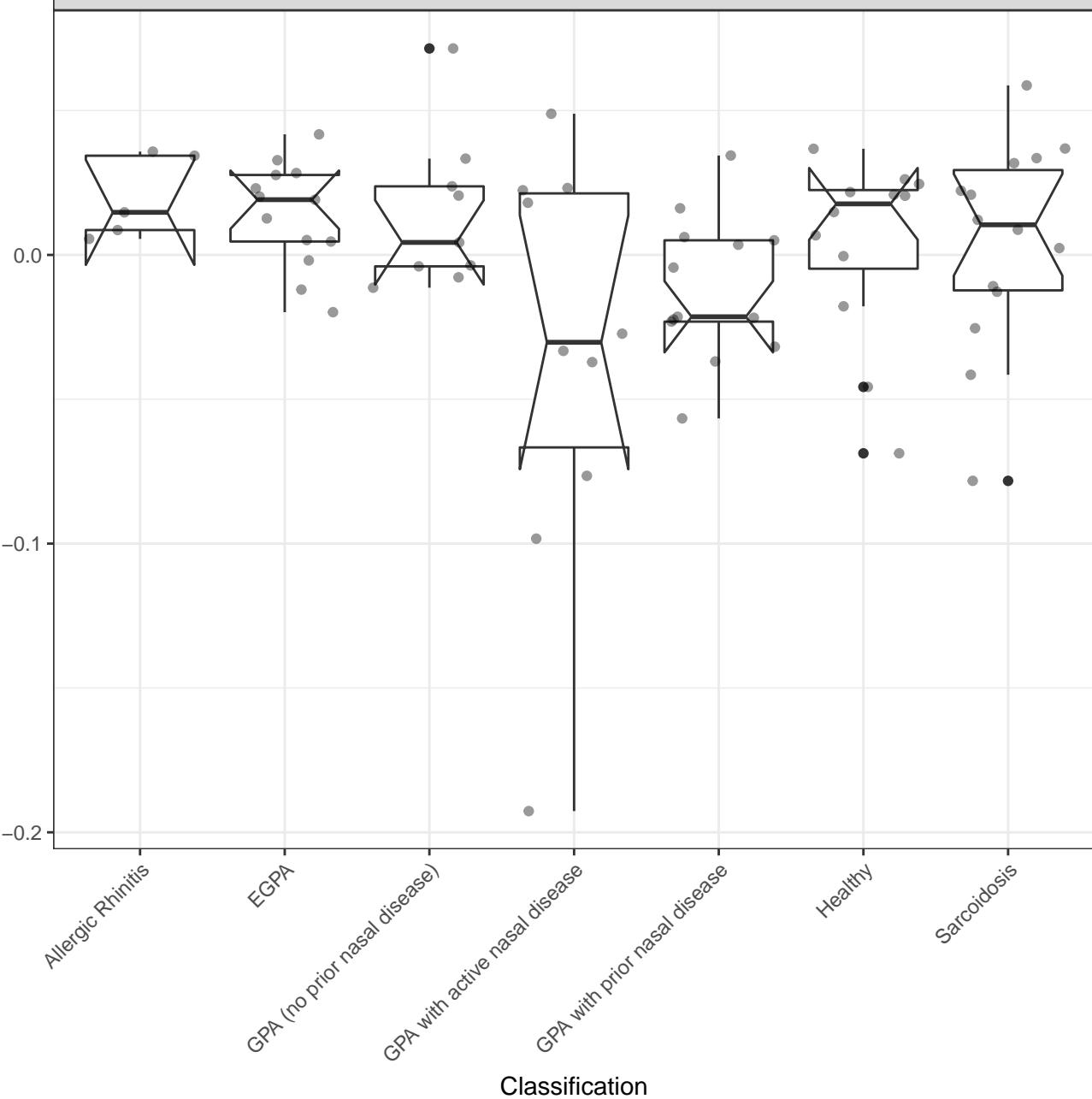
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.06
0.03
0.00
-0.03
-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

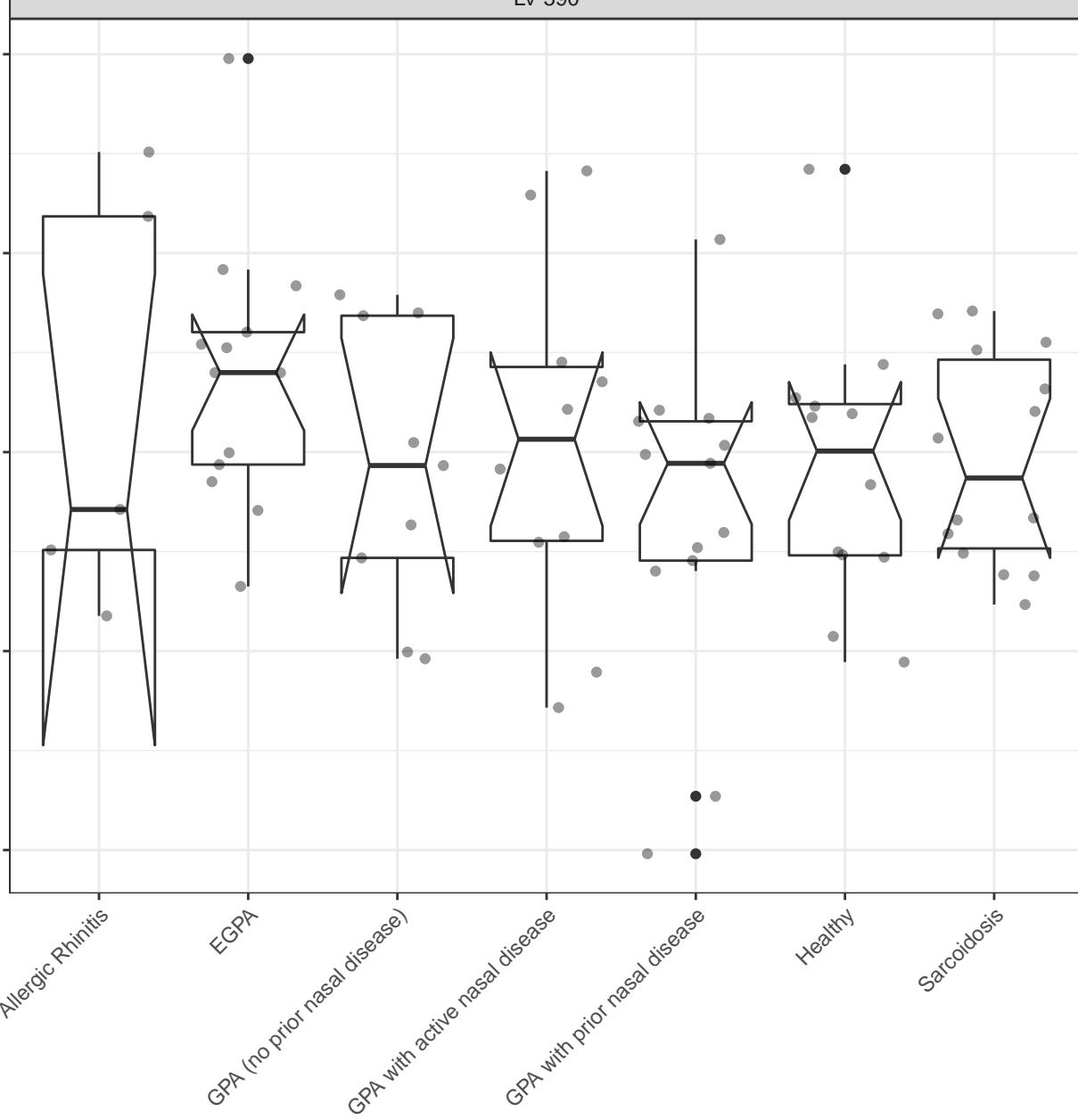
GPA with active nasal disease

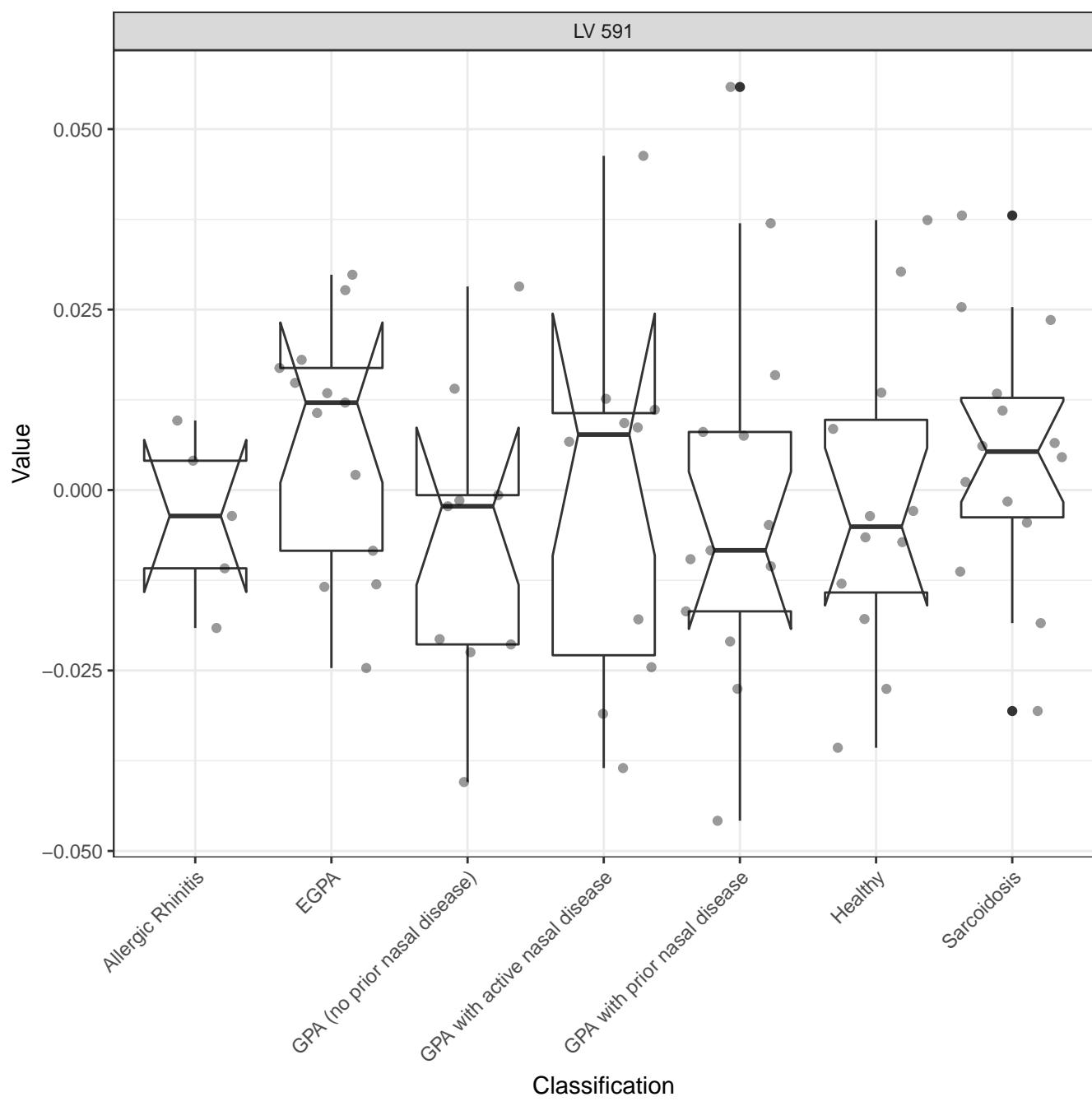
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

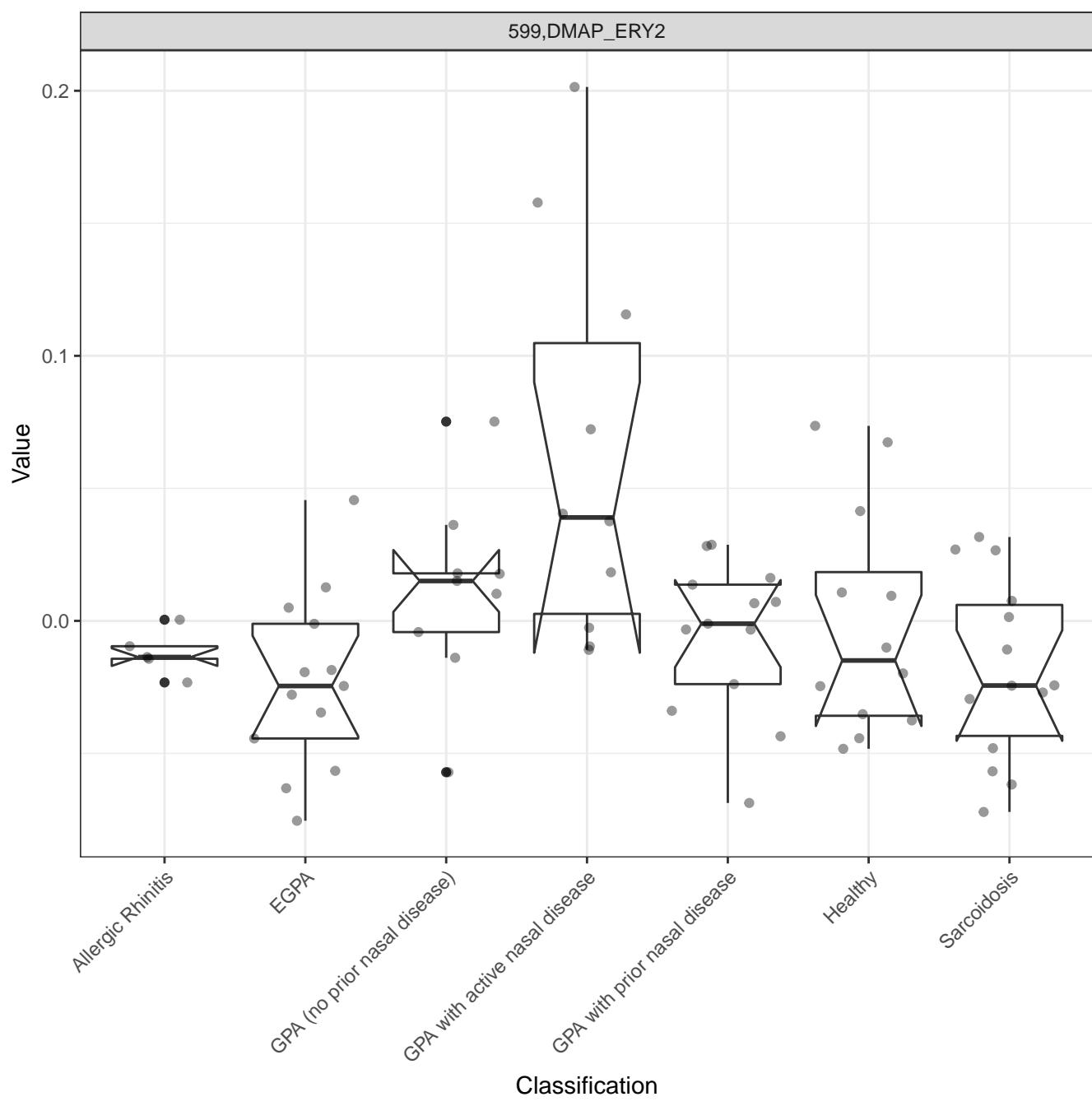
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

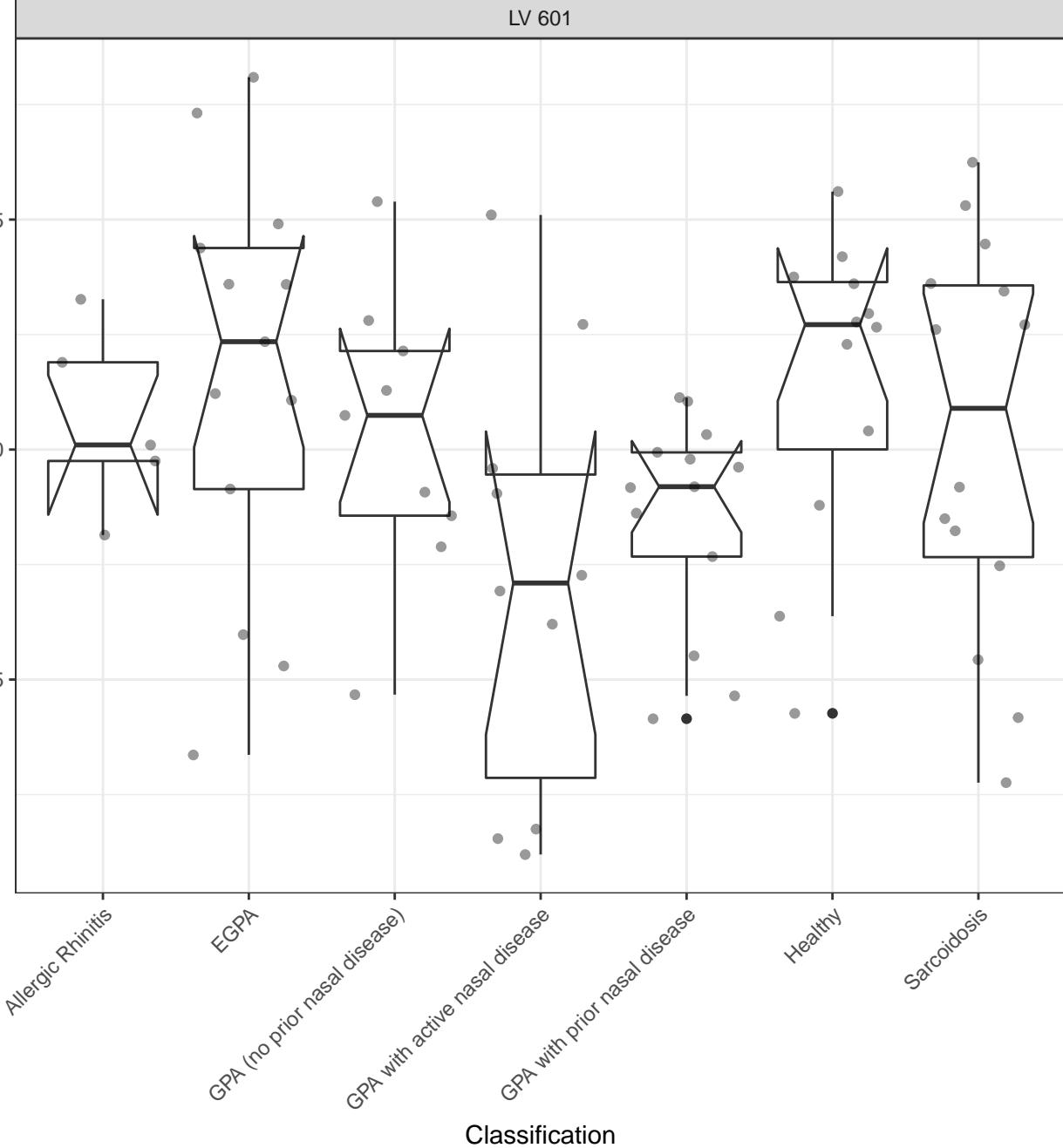
GPA with prior nasal disease

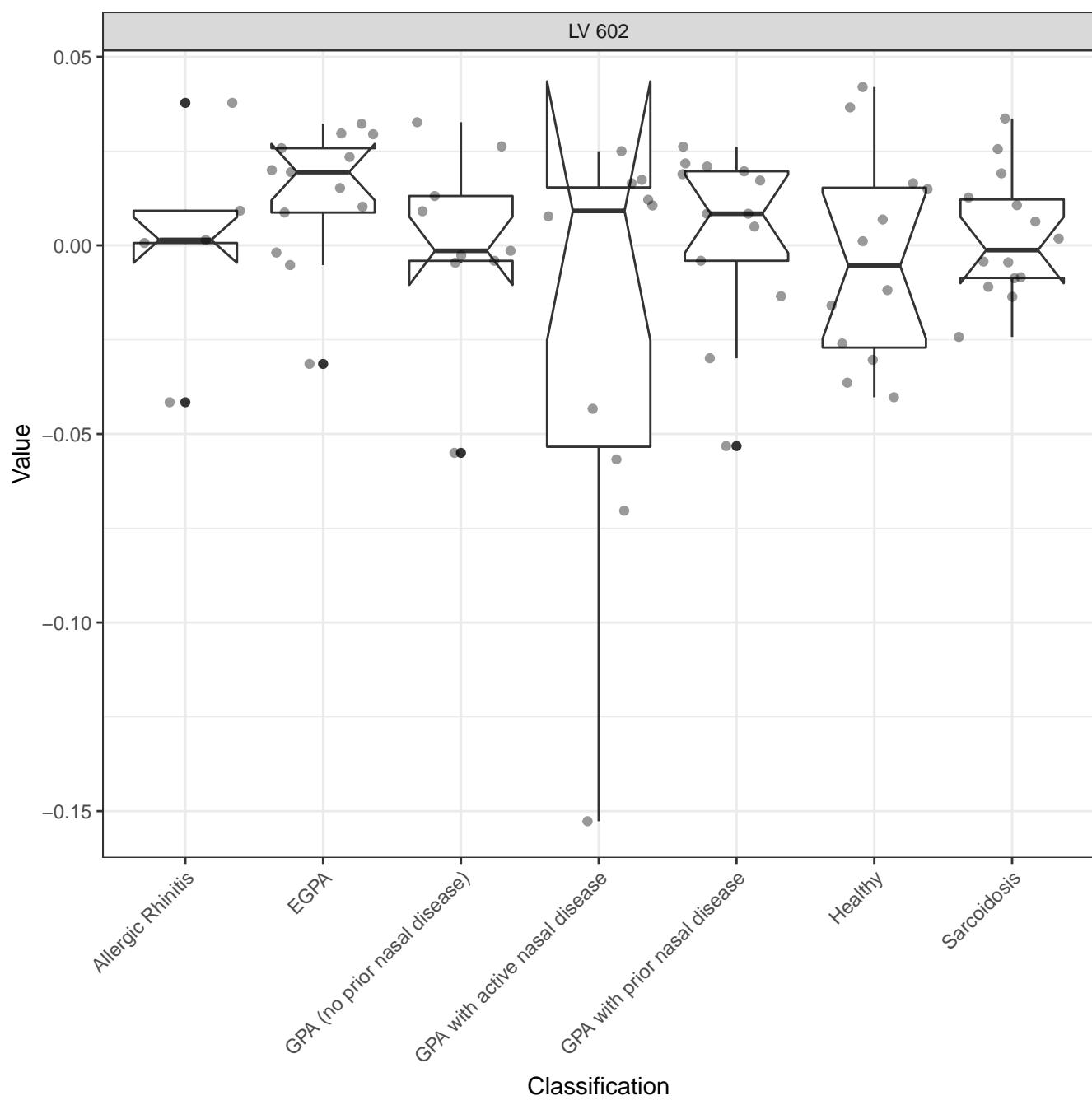
Healthy

Sarcoidosis

Classification

Value





603,SVM Neutrophils

Value

1.2

0.8

0.4

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

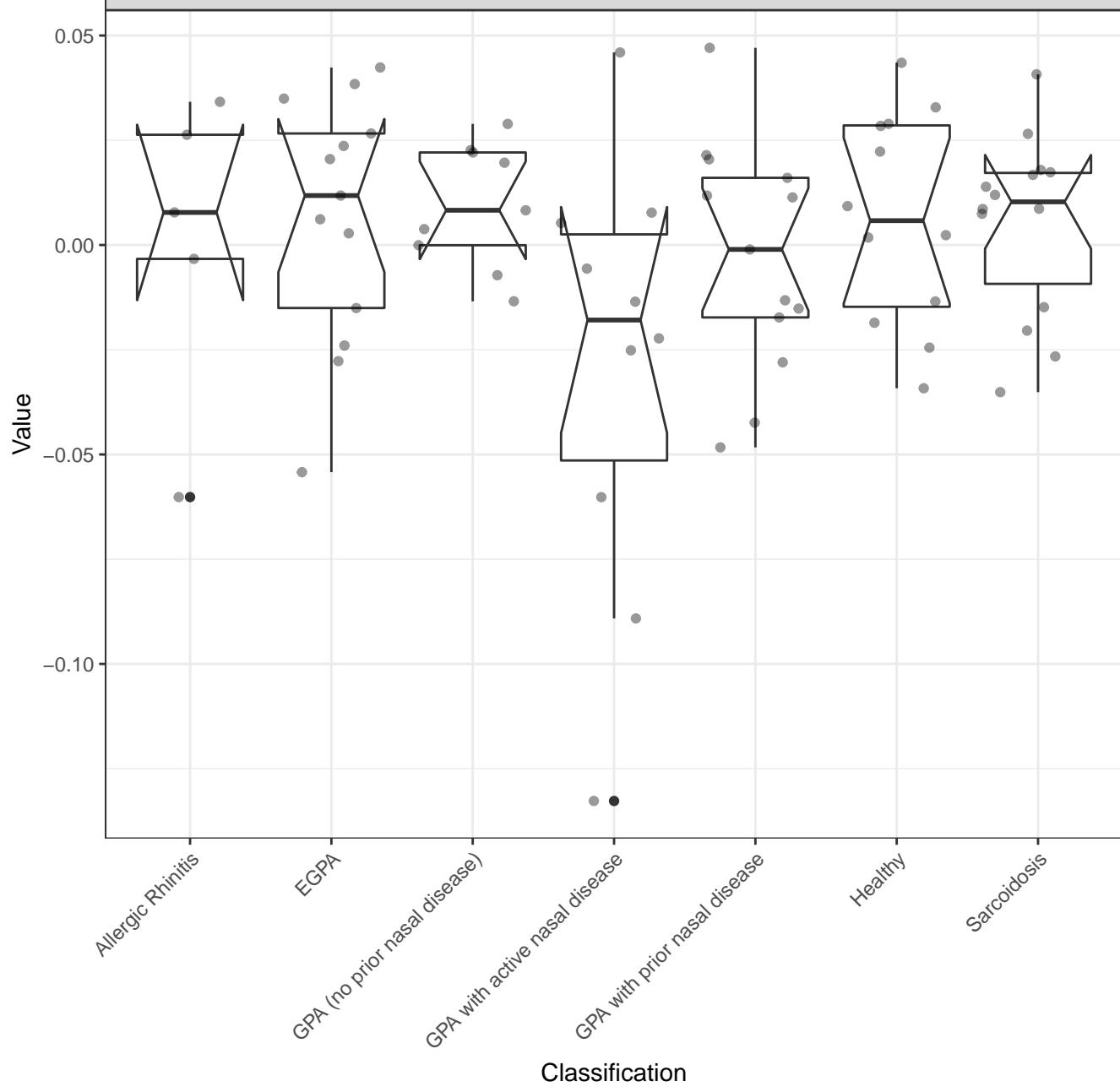
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



605,ST_B_CELL_ANTIGEN_RECECTOR

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

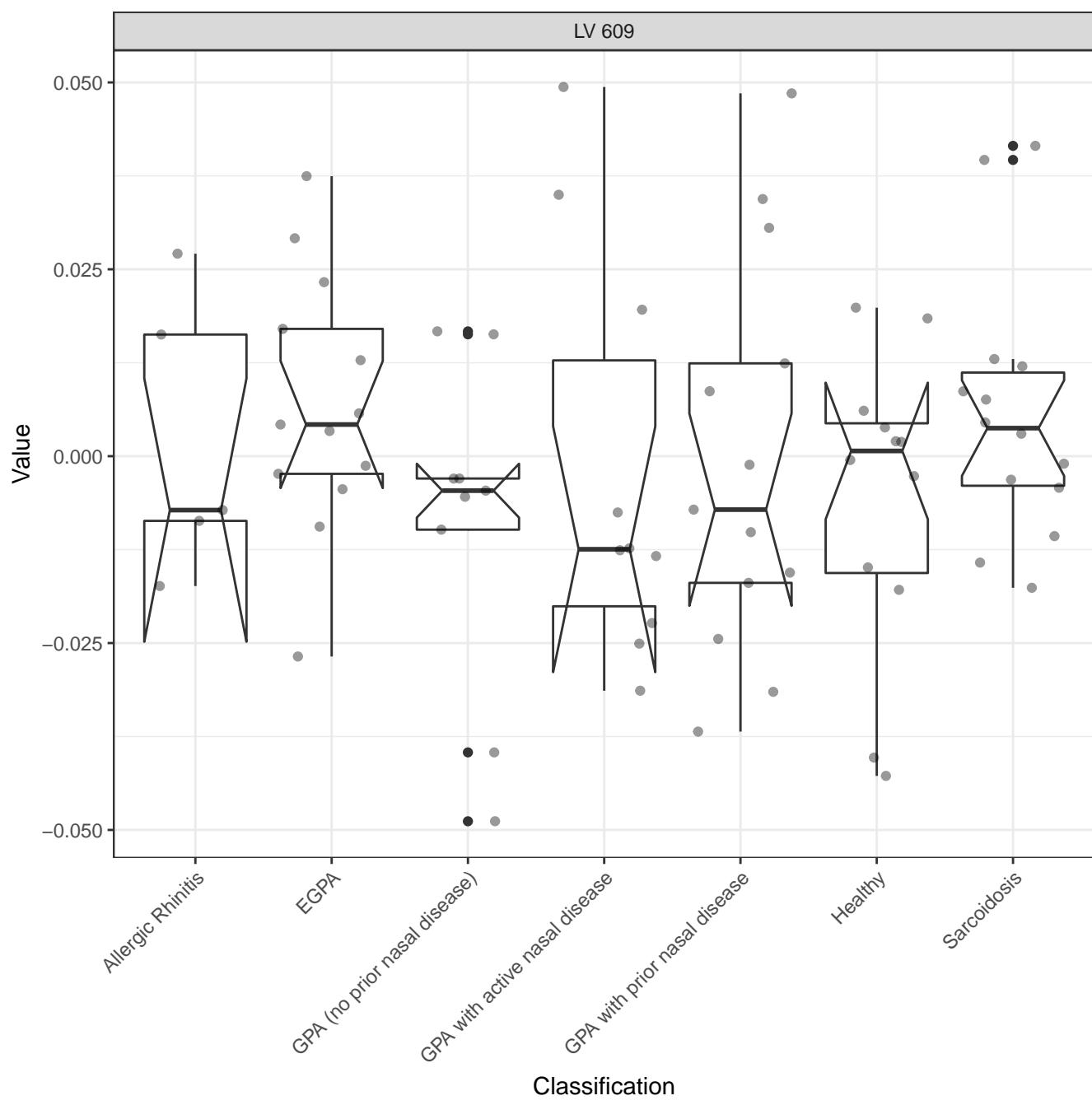
Classification

0.025

0.000

-0.025

-0.050



Value

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

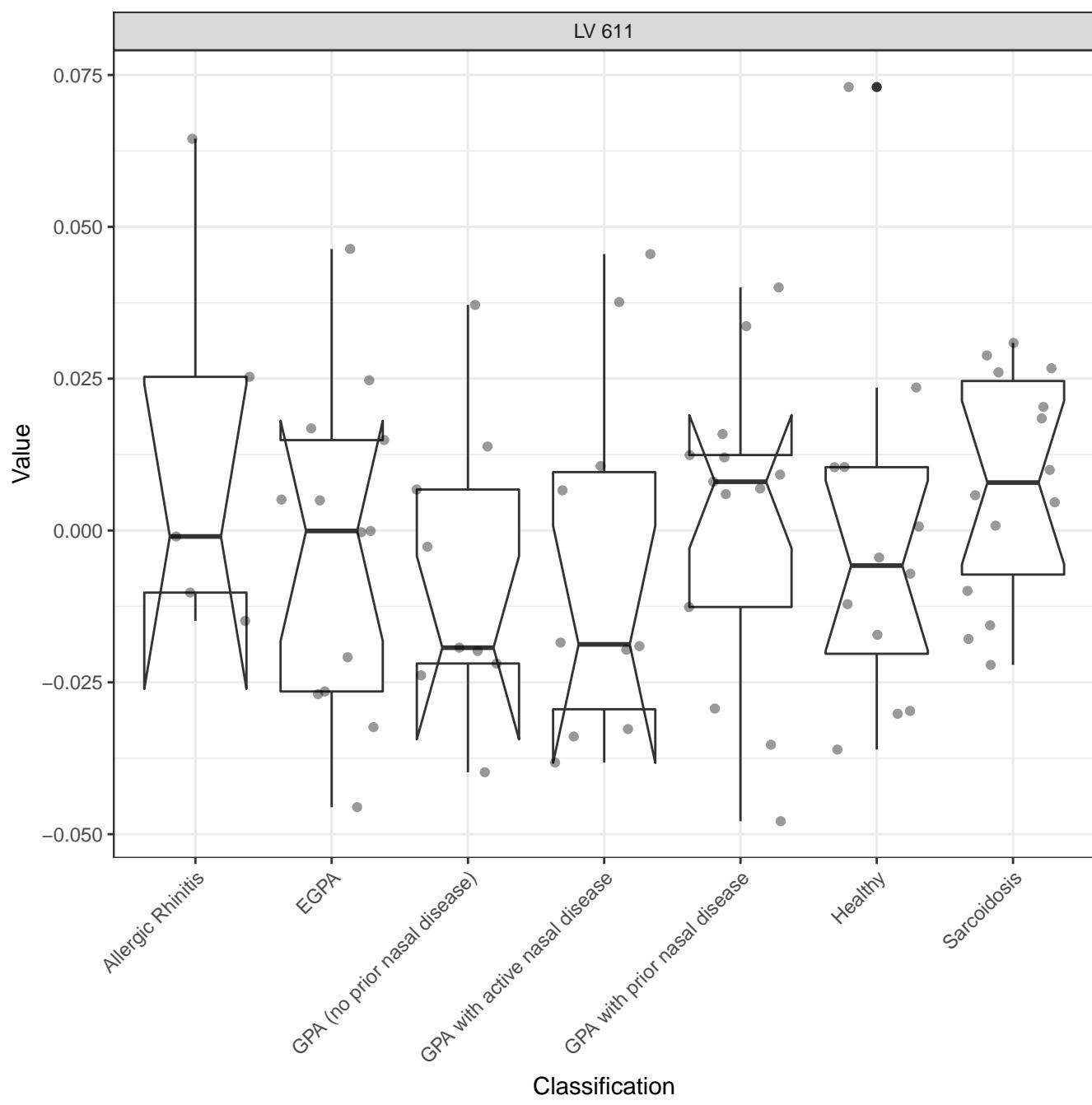
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



612,REACTOME_GAB1_SIGNALOSOME

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

613,KEGG_LYSOSOME

Value

0.1

0.0

-0.1

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

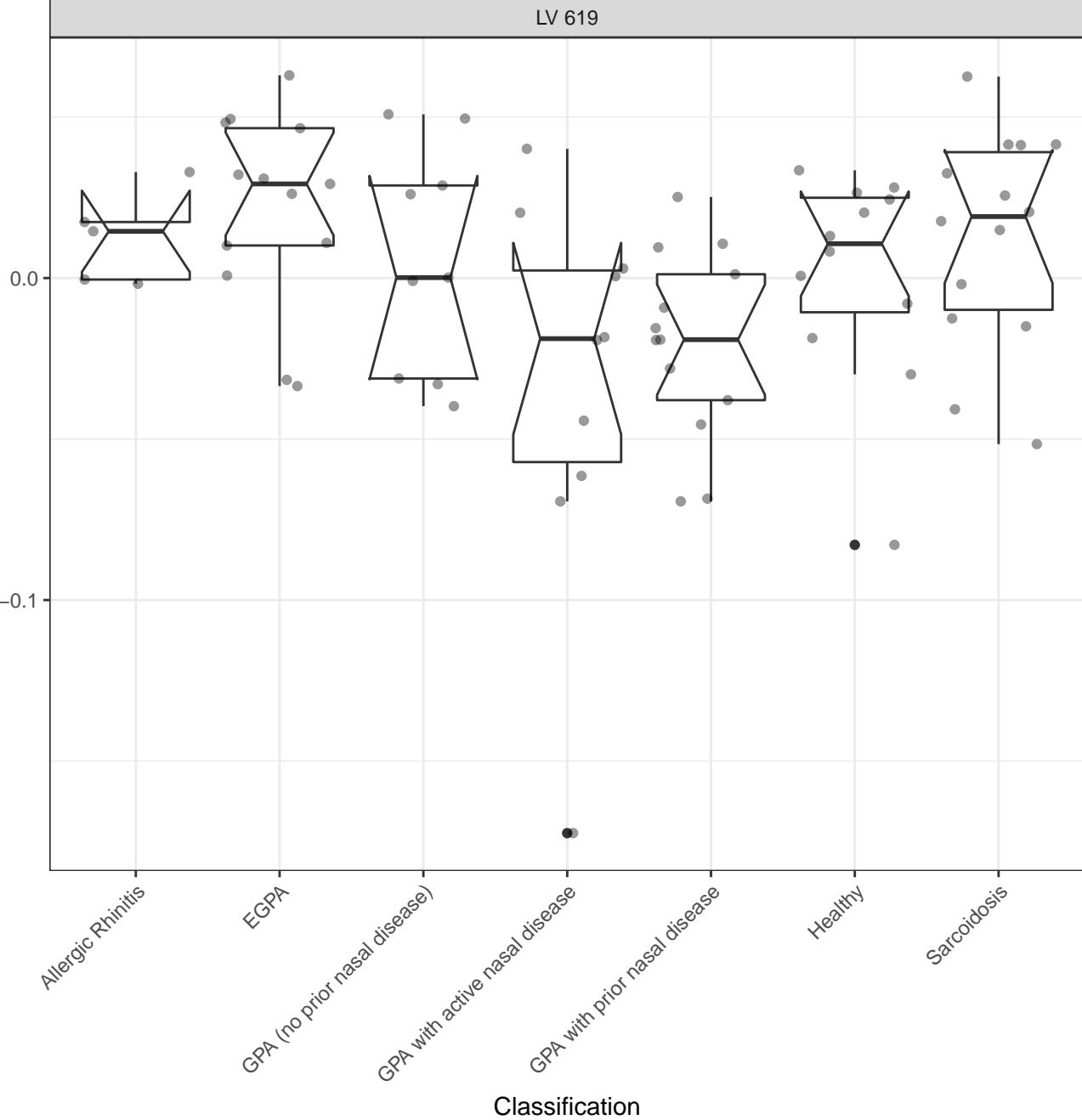
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.04
0.02
0.00
-0.02
-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

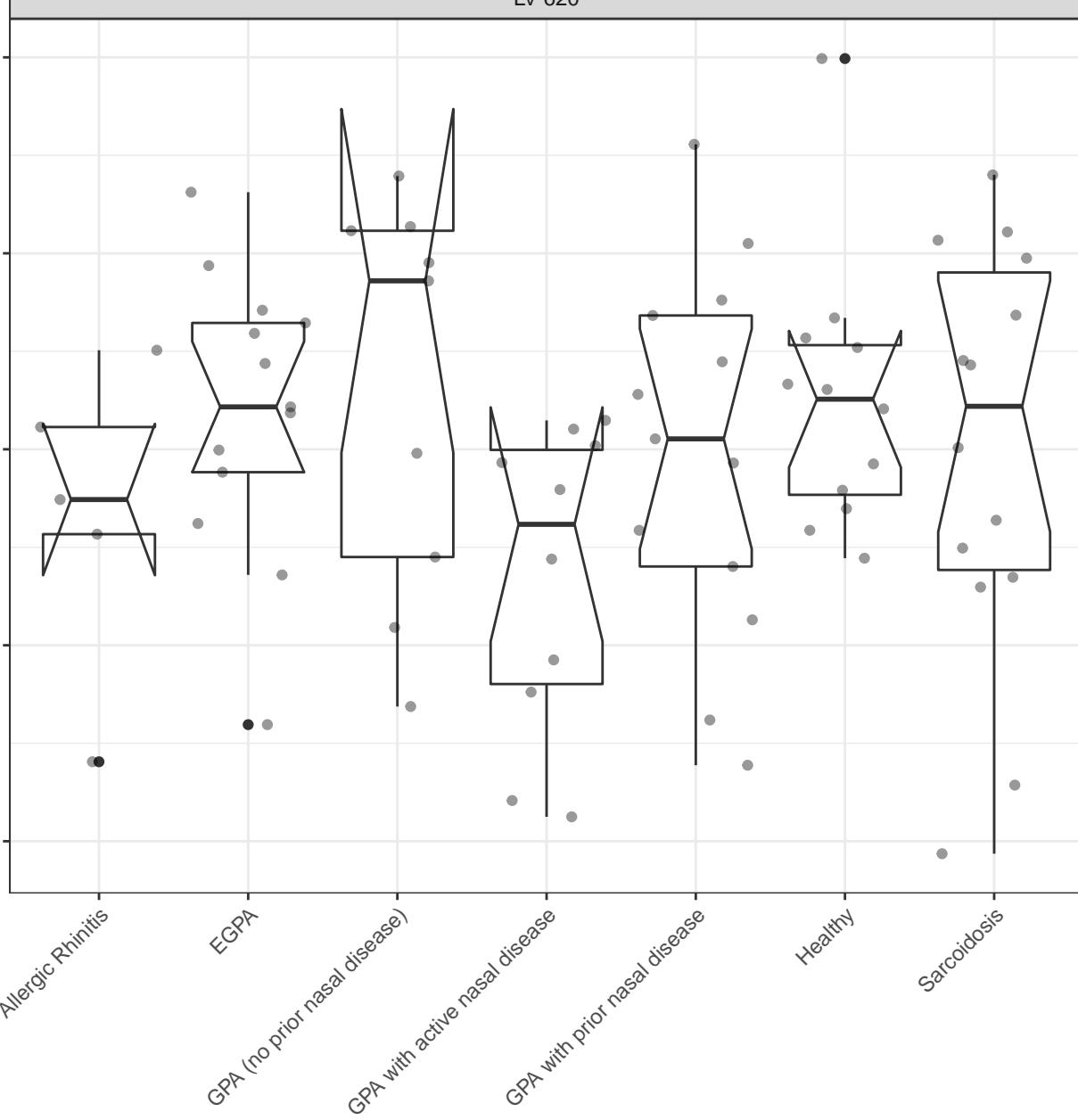
GPA with active nasal disease

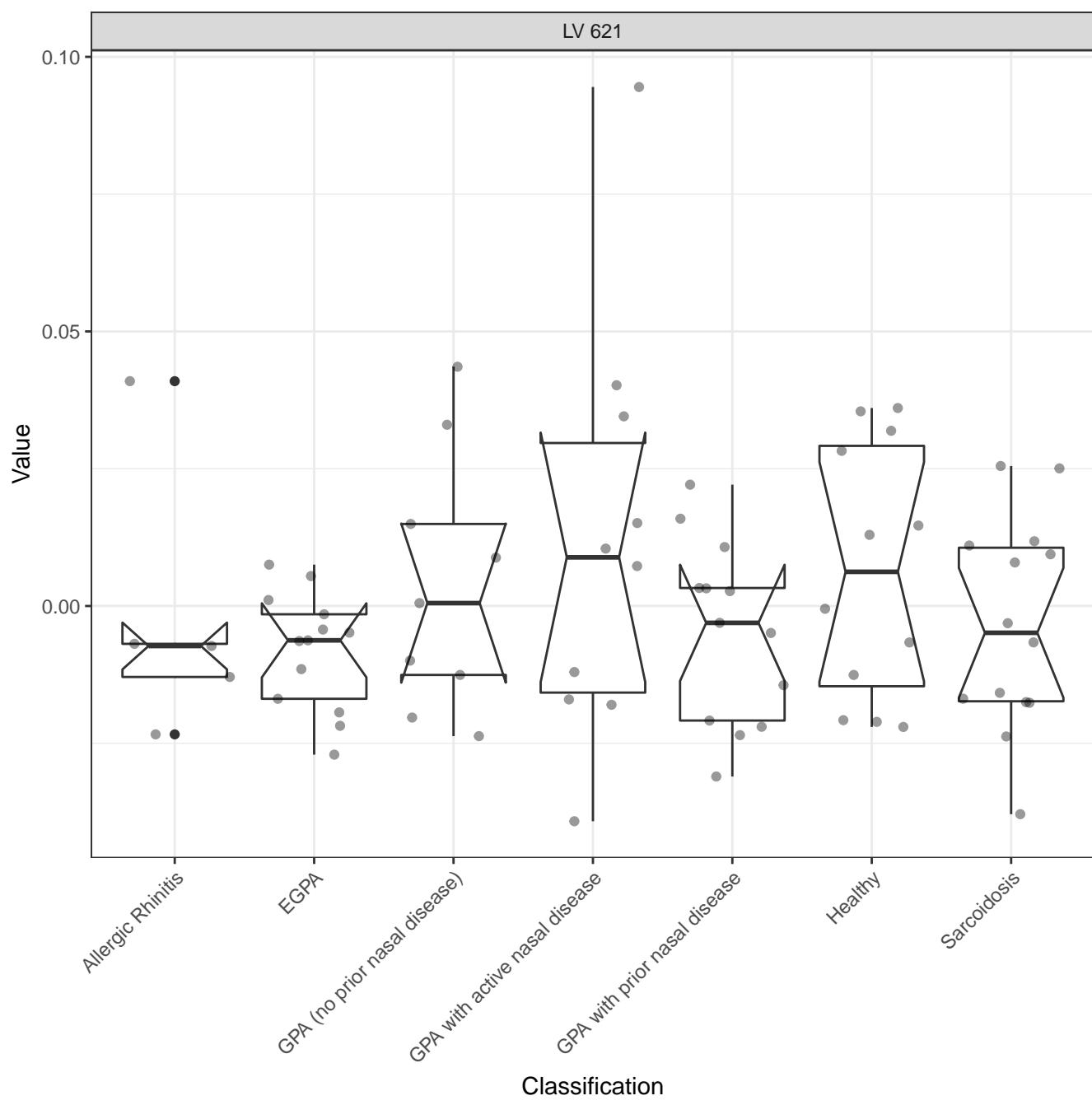
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 623

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

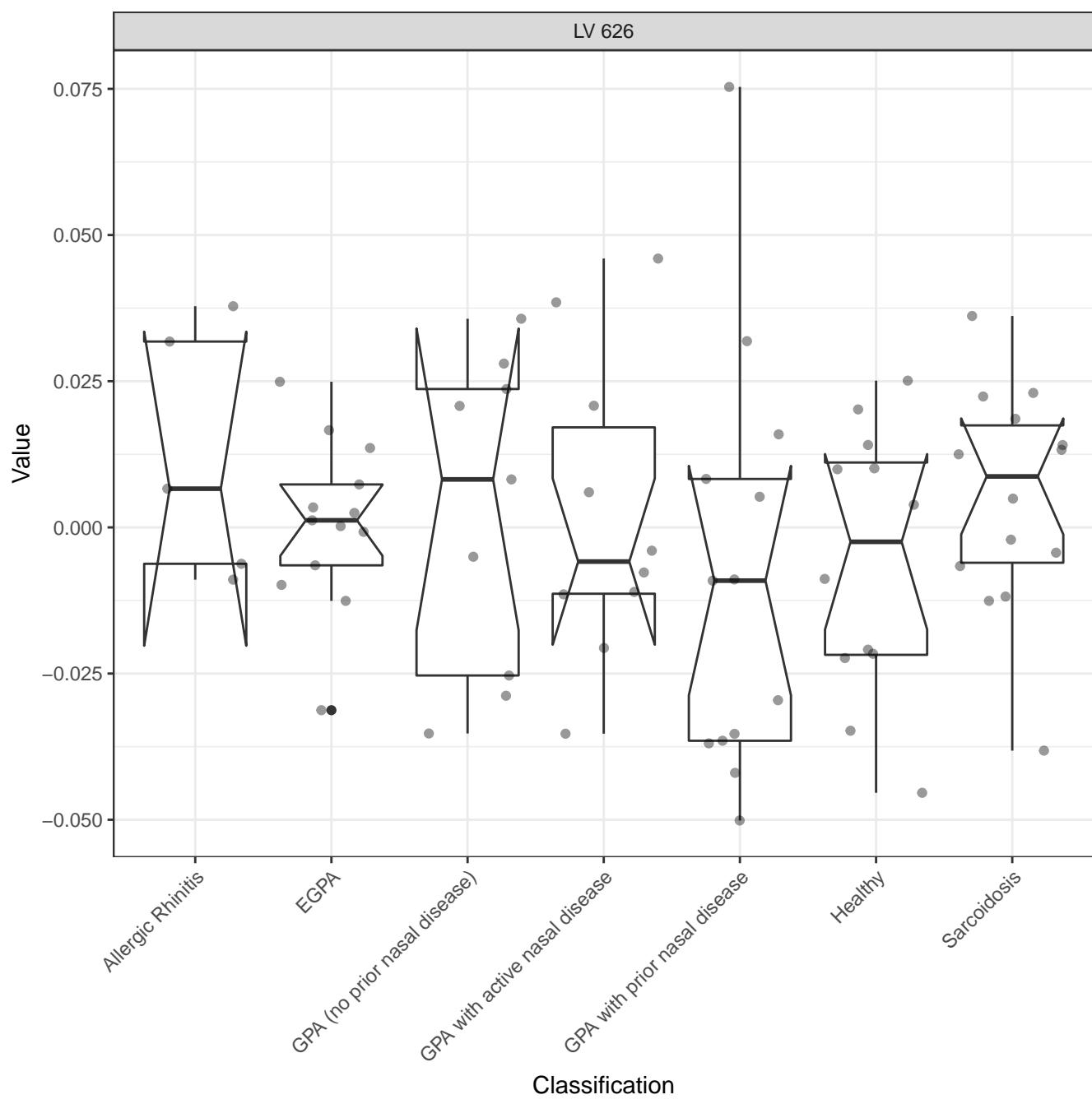
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

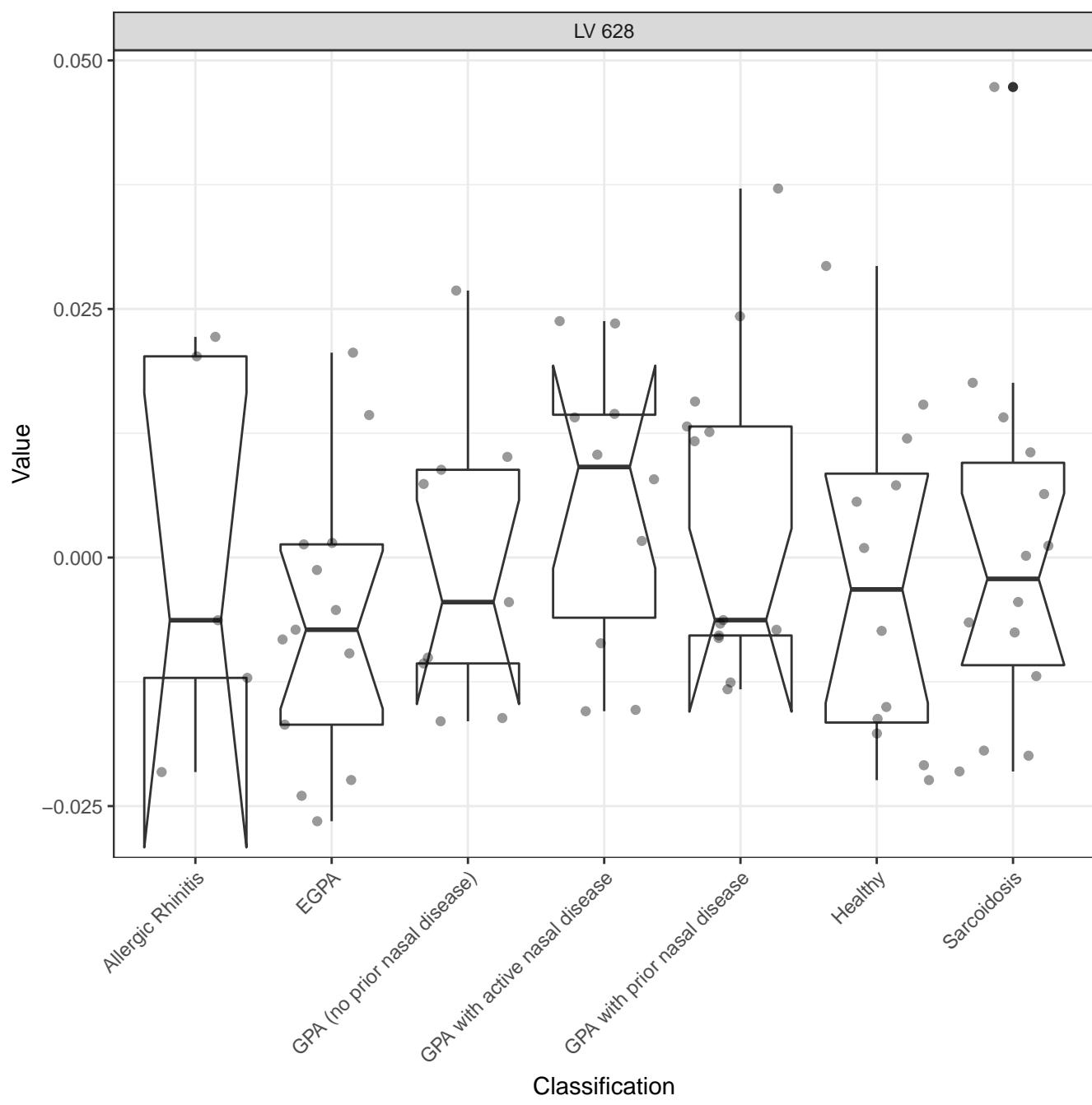
GPA with active nasal disease

GPA with prior nasal disease

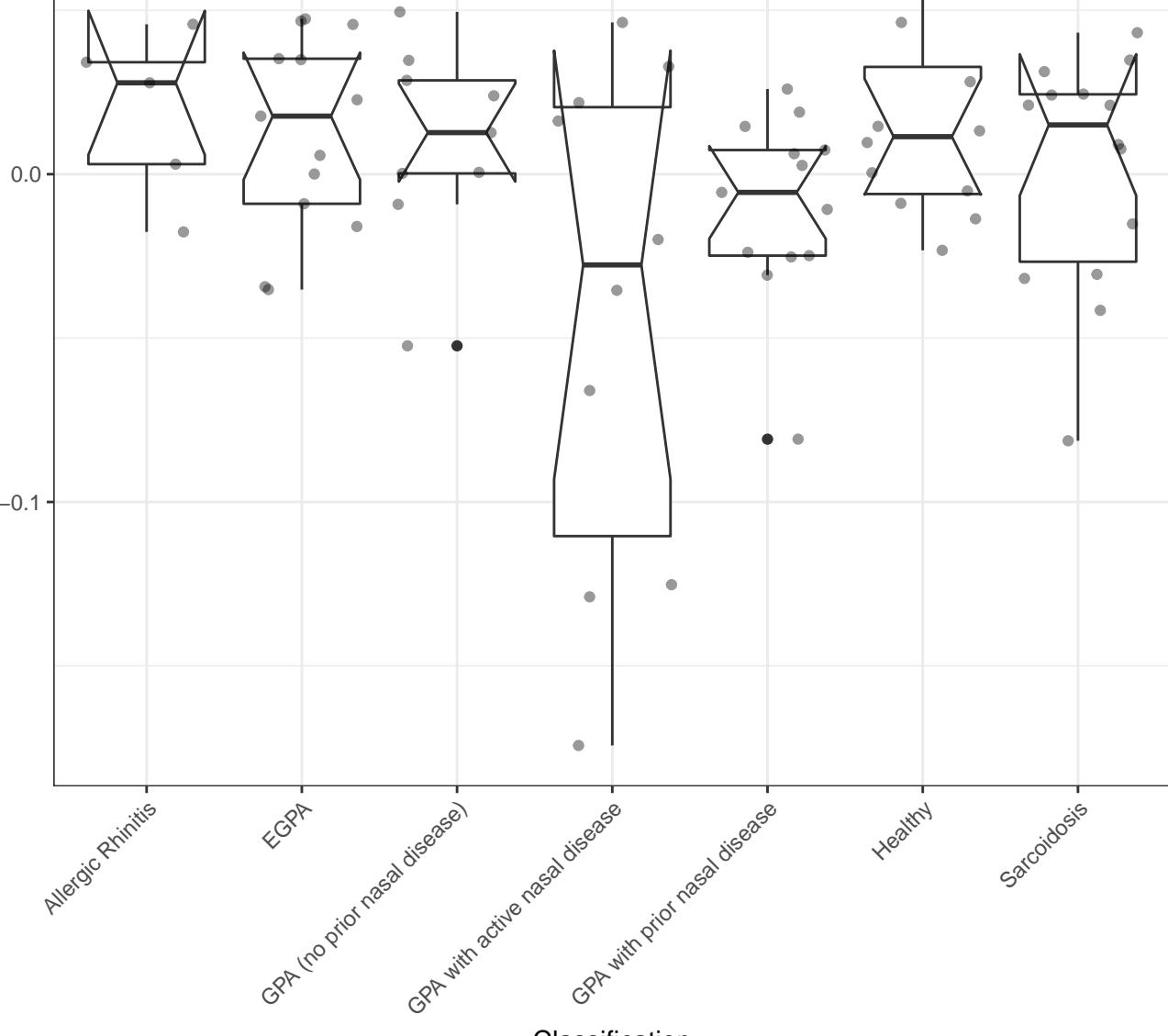
Healthy

Sarcoidosis

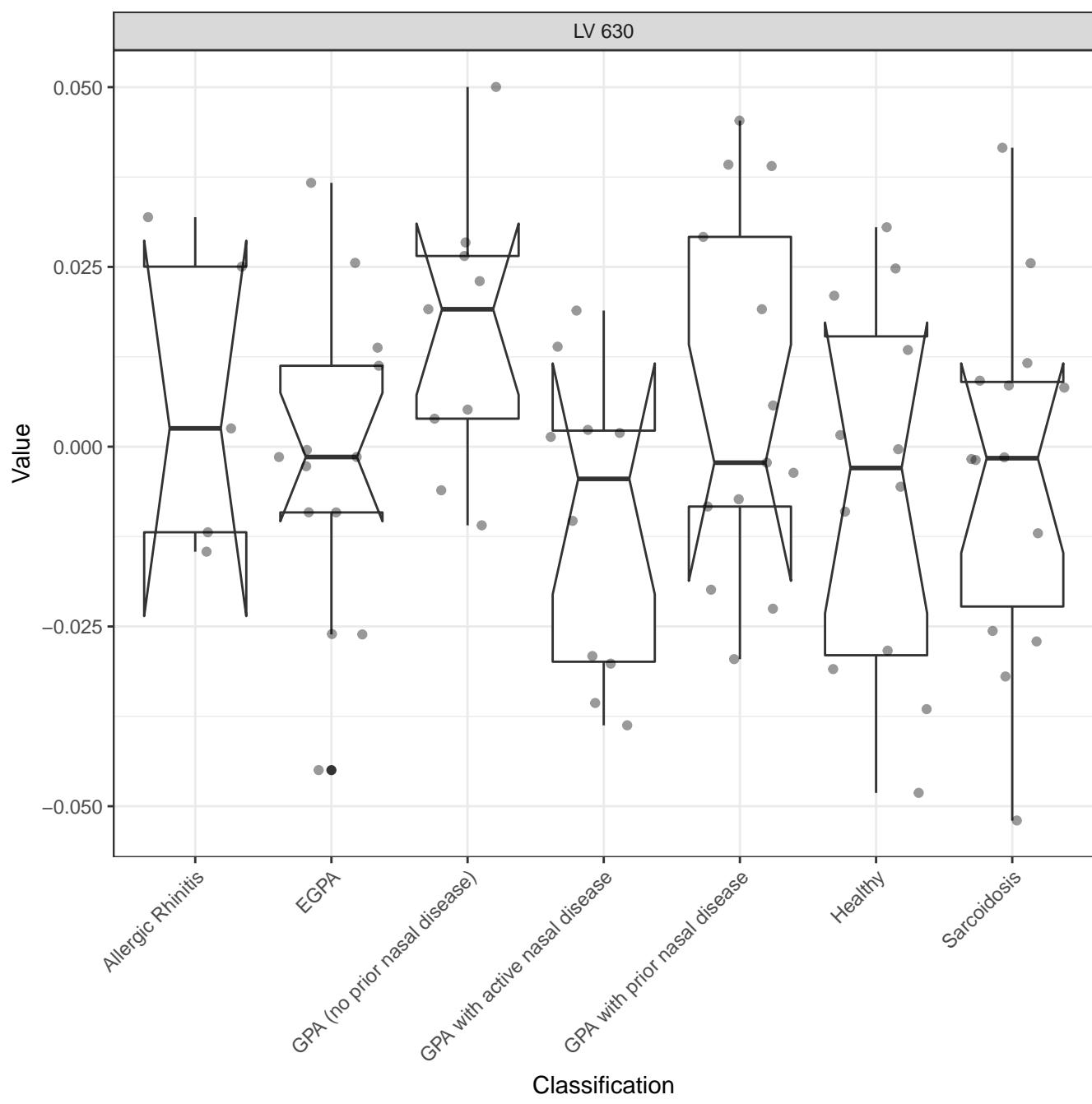
Classification



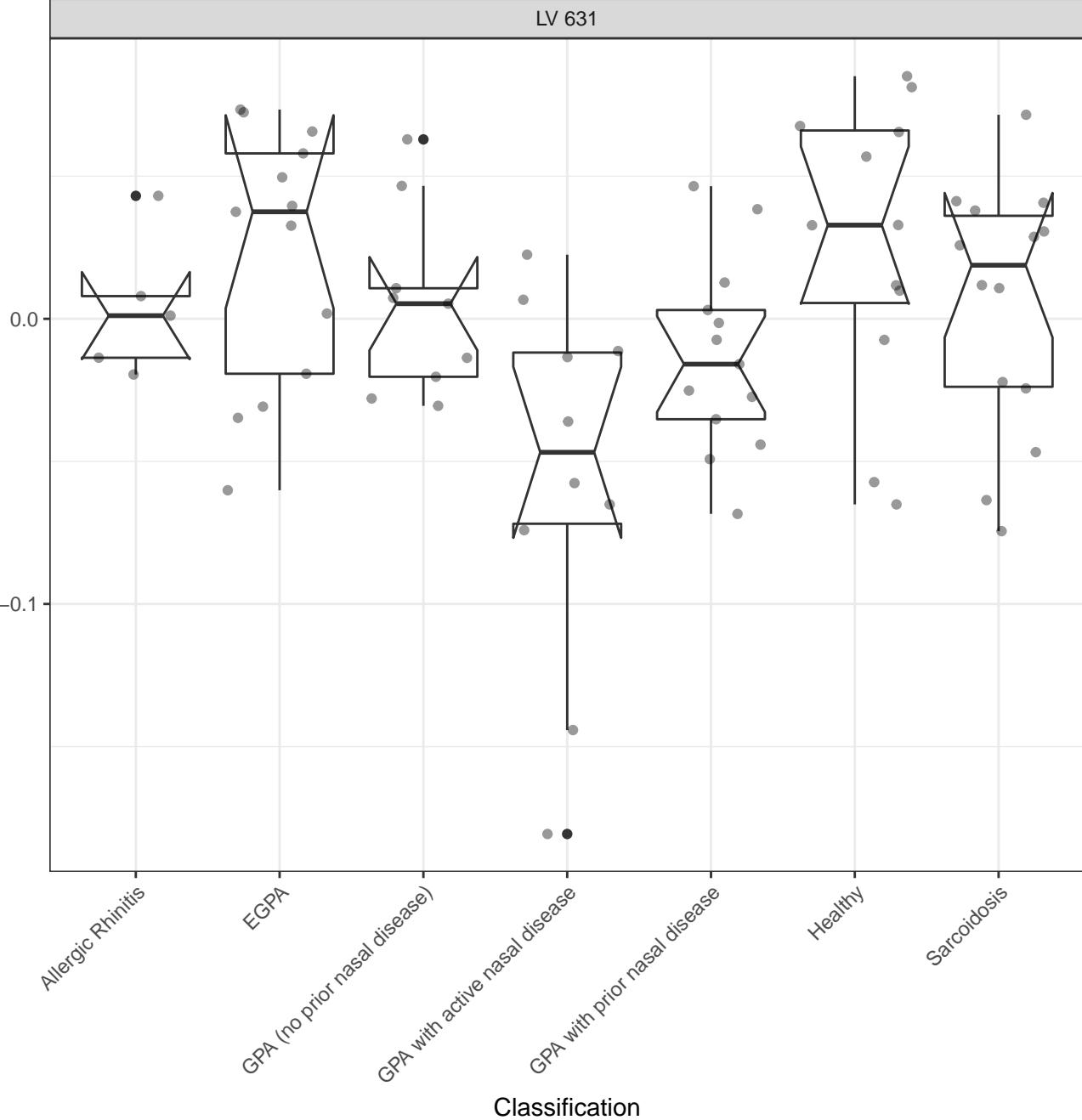
Value

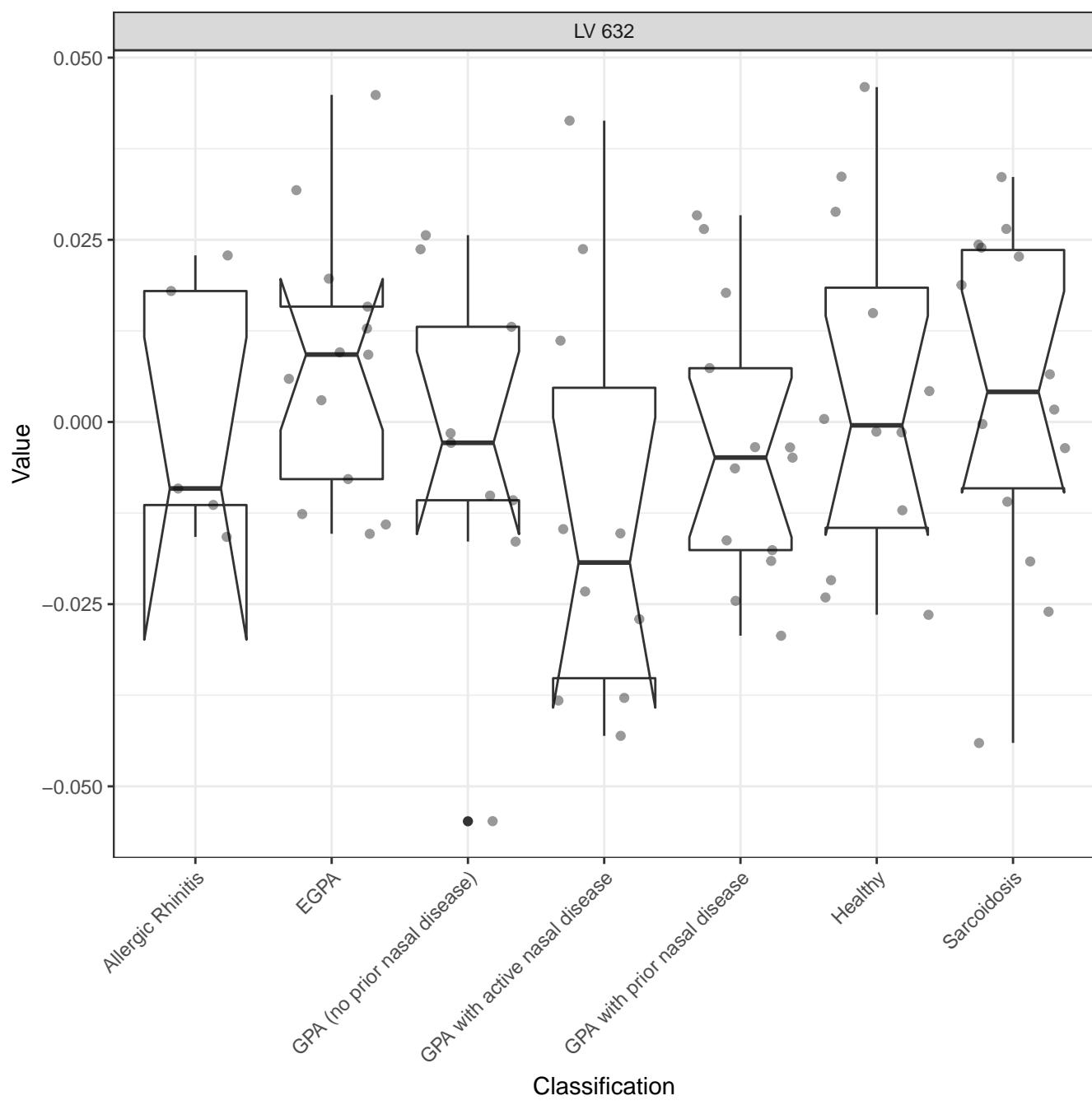


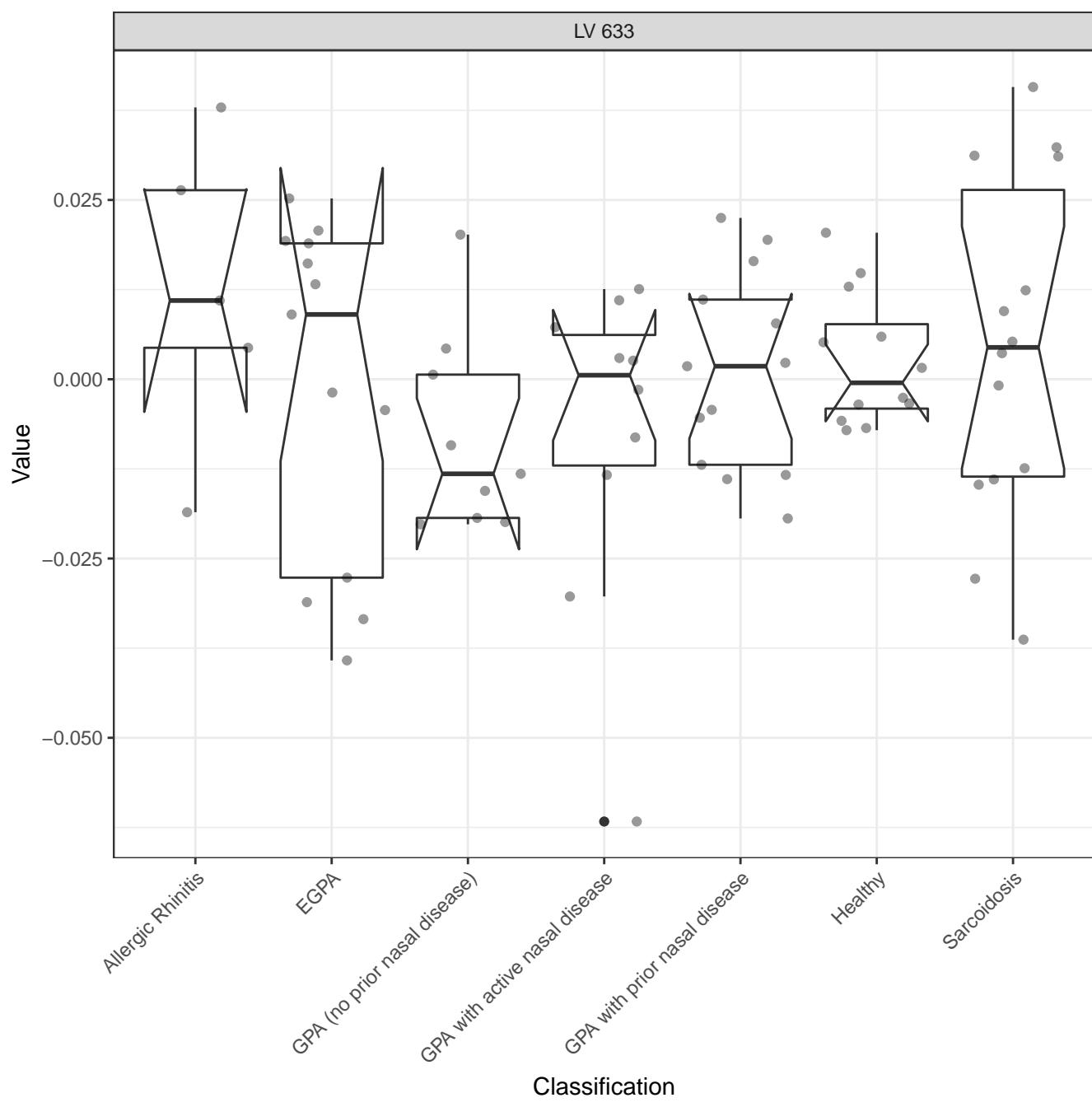
LV 630



Value







Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

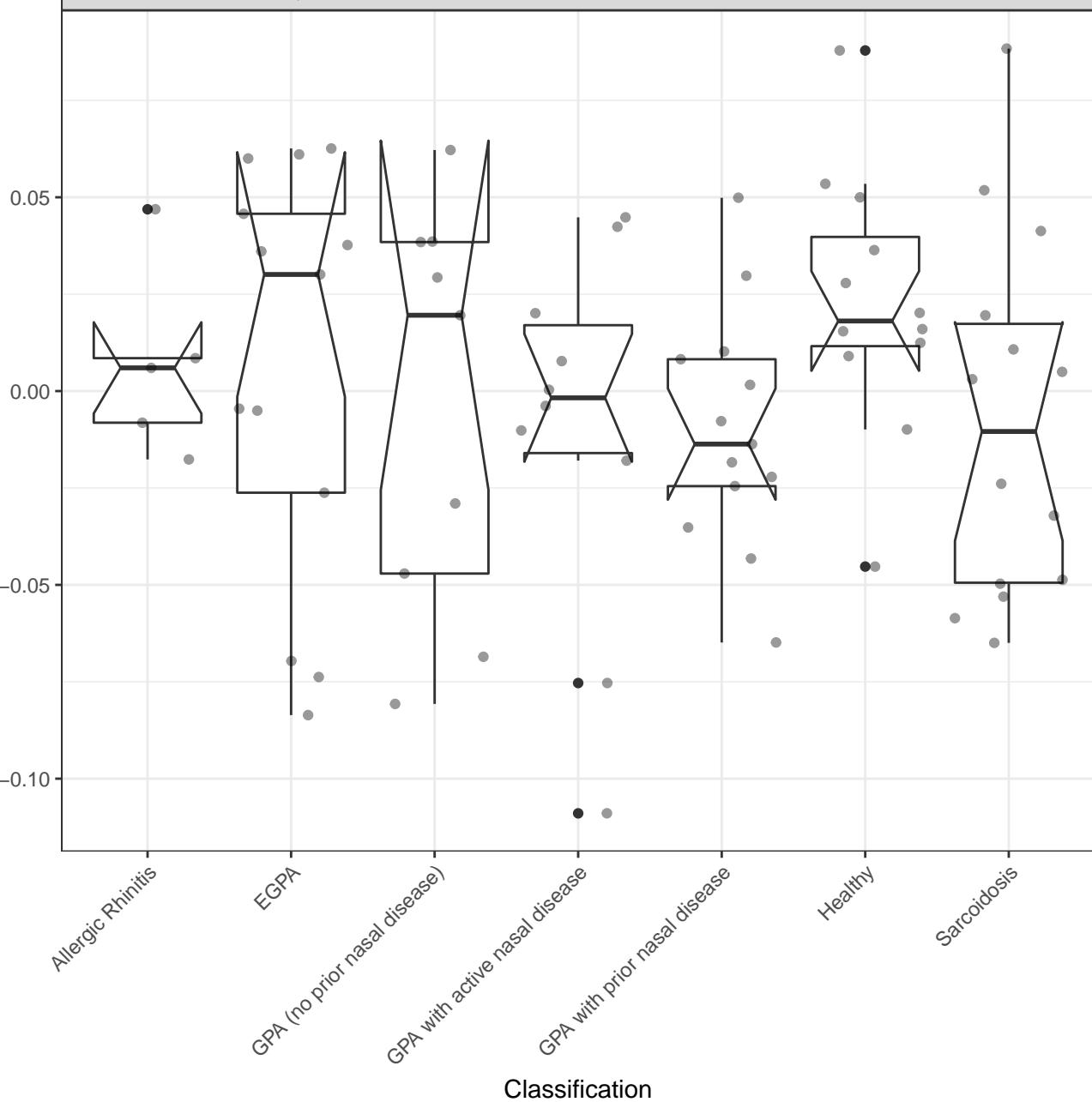
Healthy

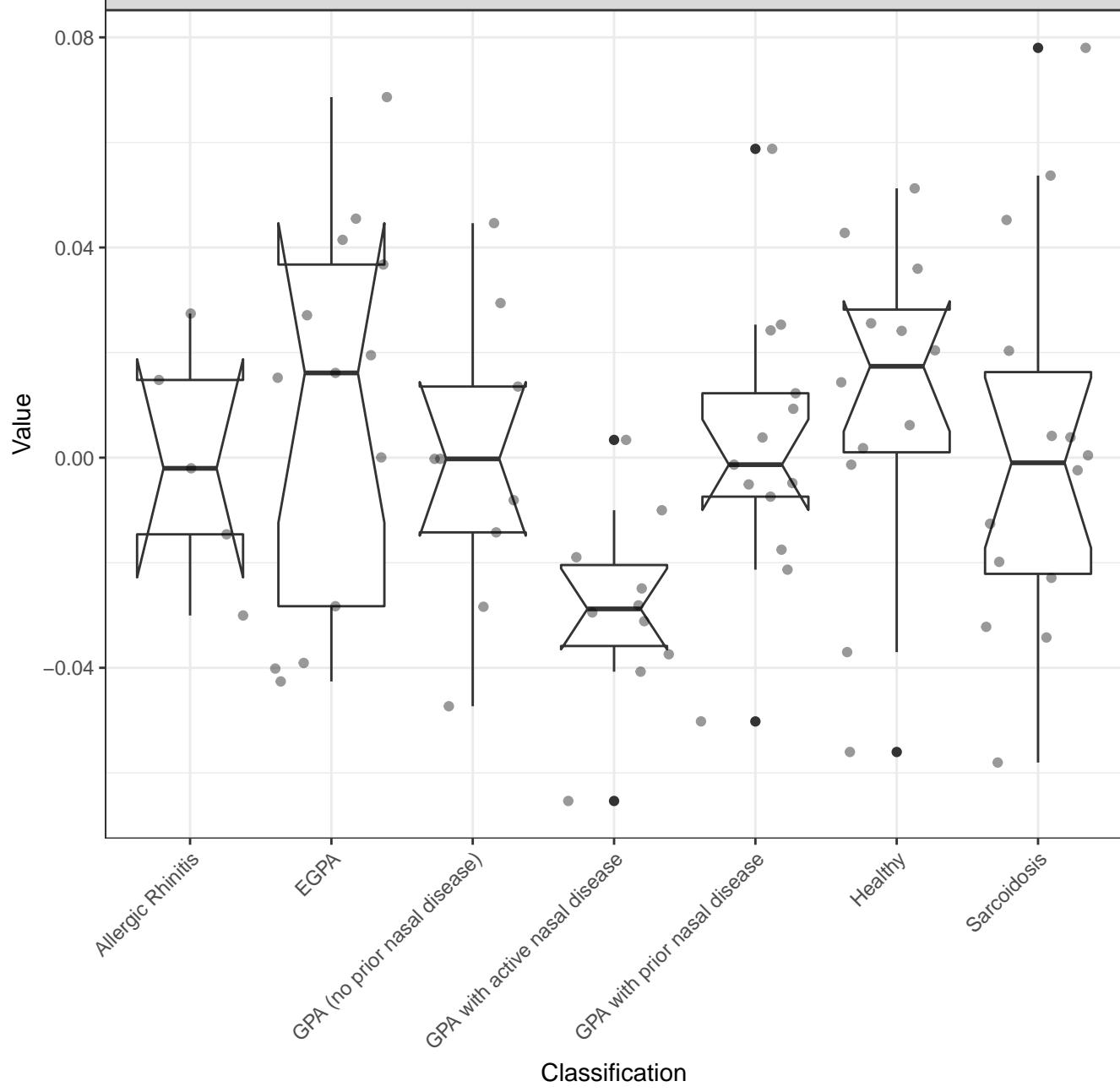
Sarcoidosis

Classification

637,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

Value





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

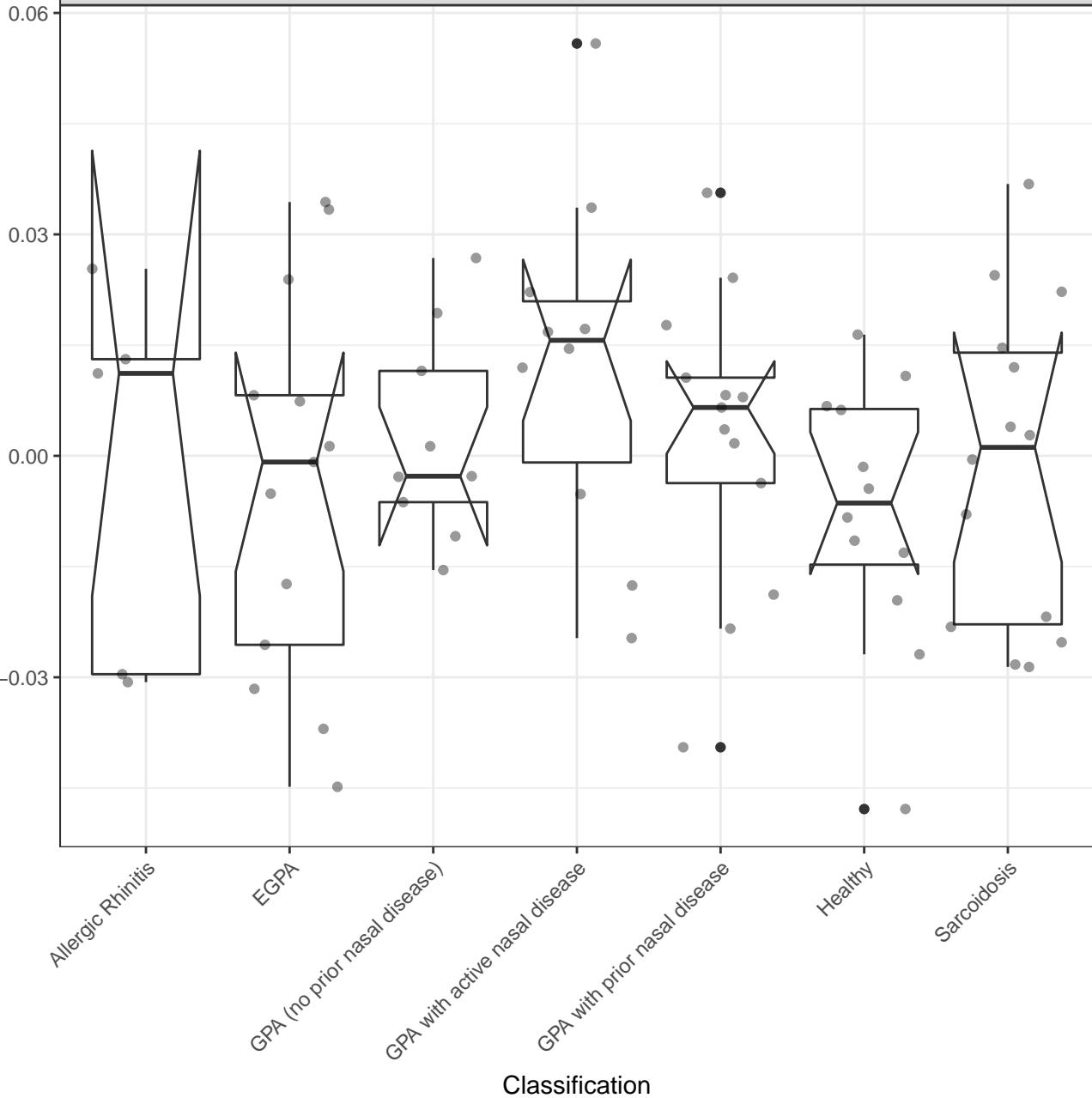
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.050

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

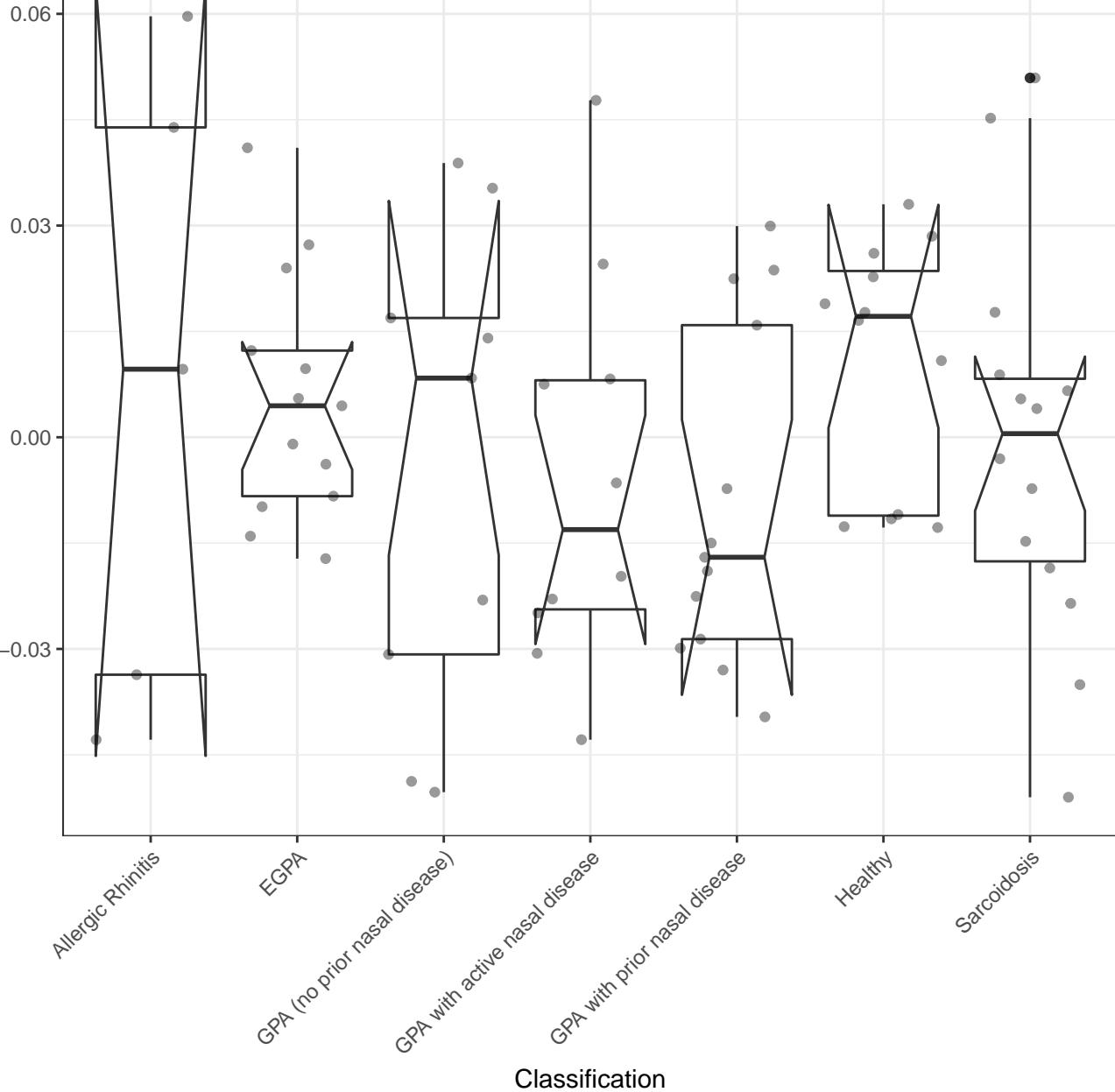
Healthy

Sarcoidosis

Classification

LV 646

Value



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

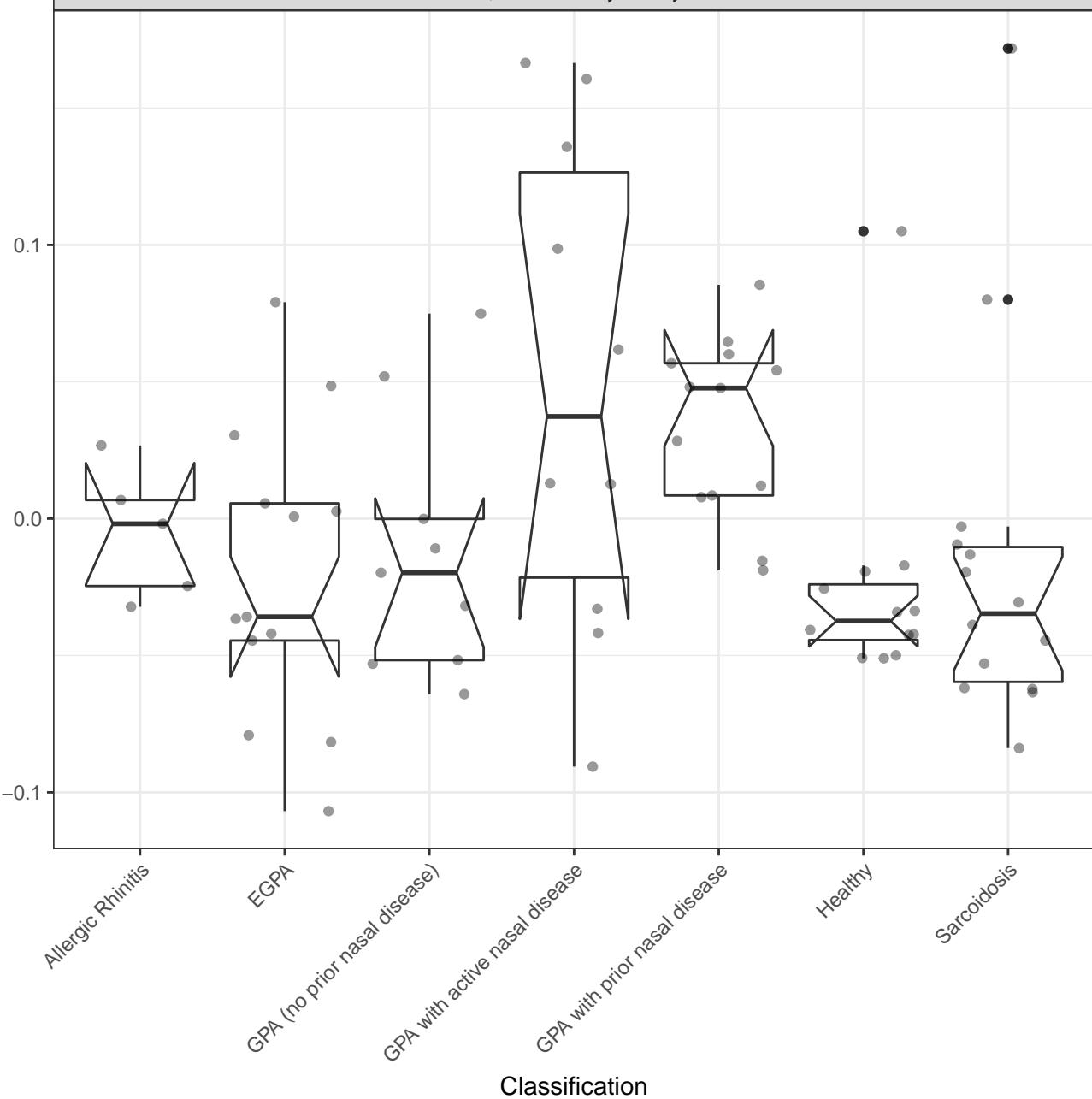
GPA with prior nasal disease

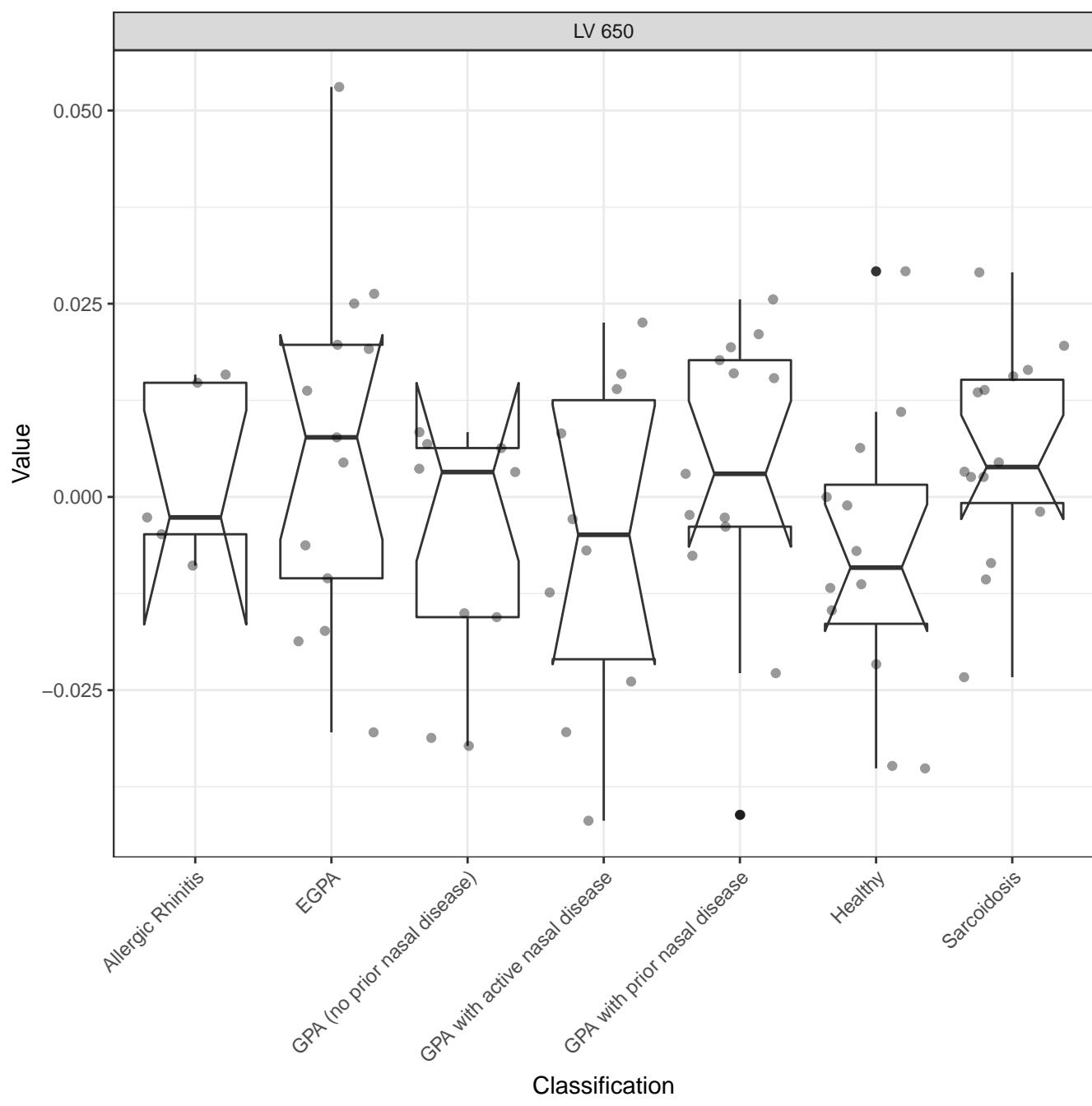
Healthy

Sarcoidosis

Classification

Value





Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.4

0.2

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

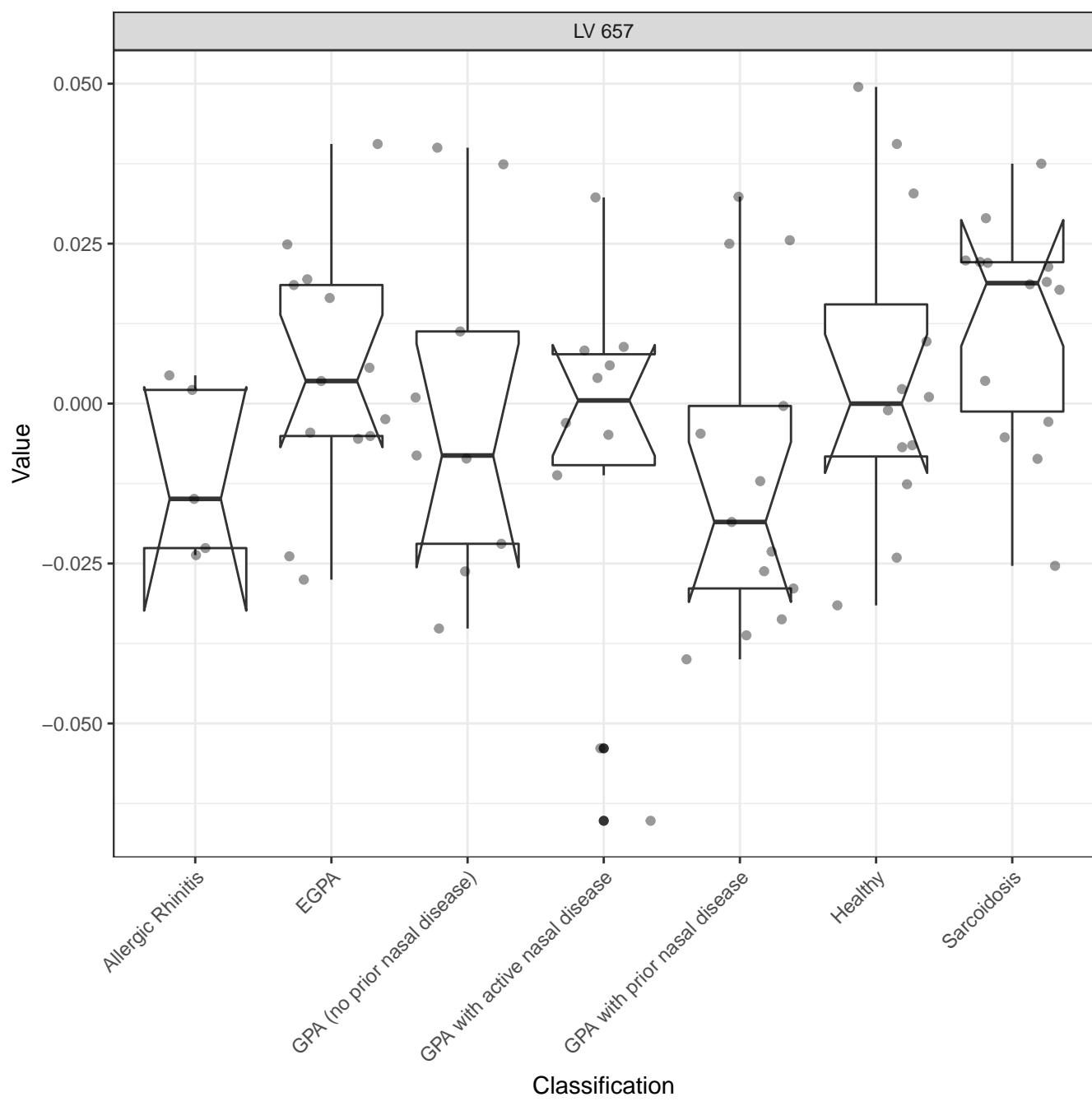
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

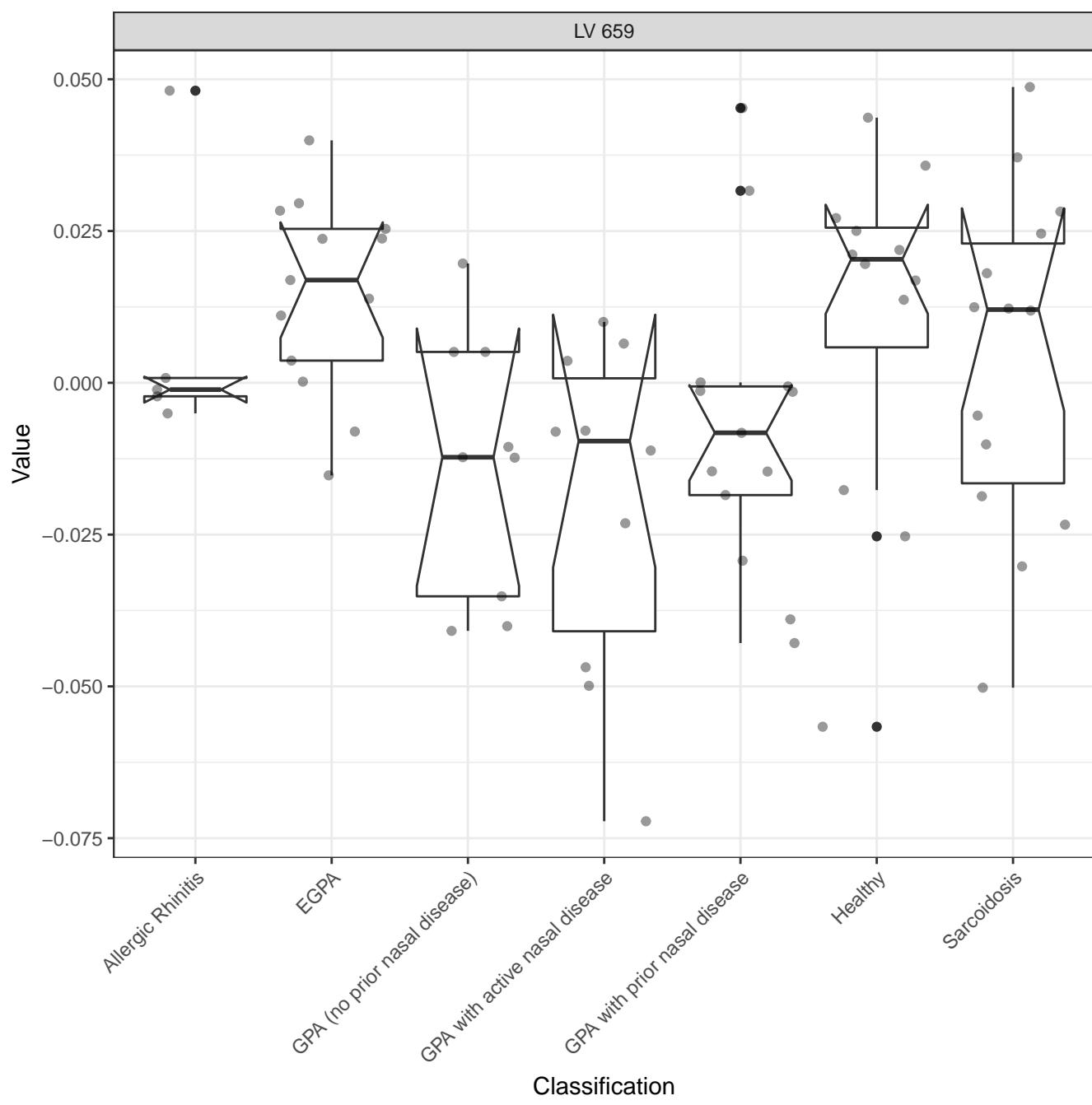
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

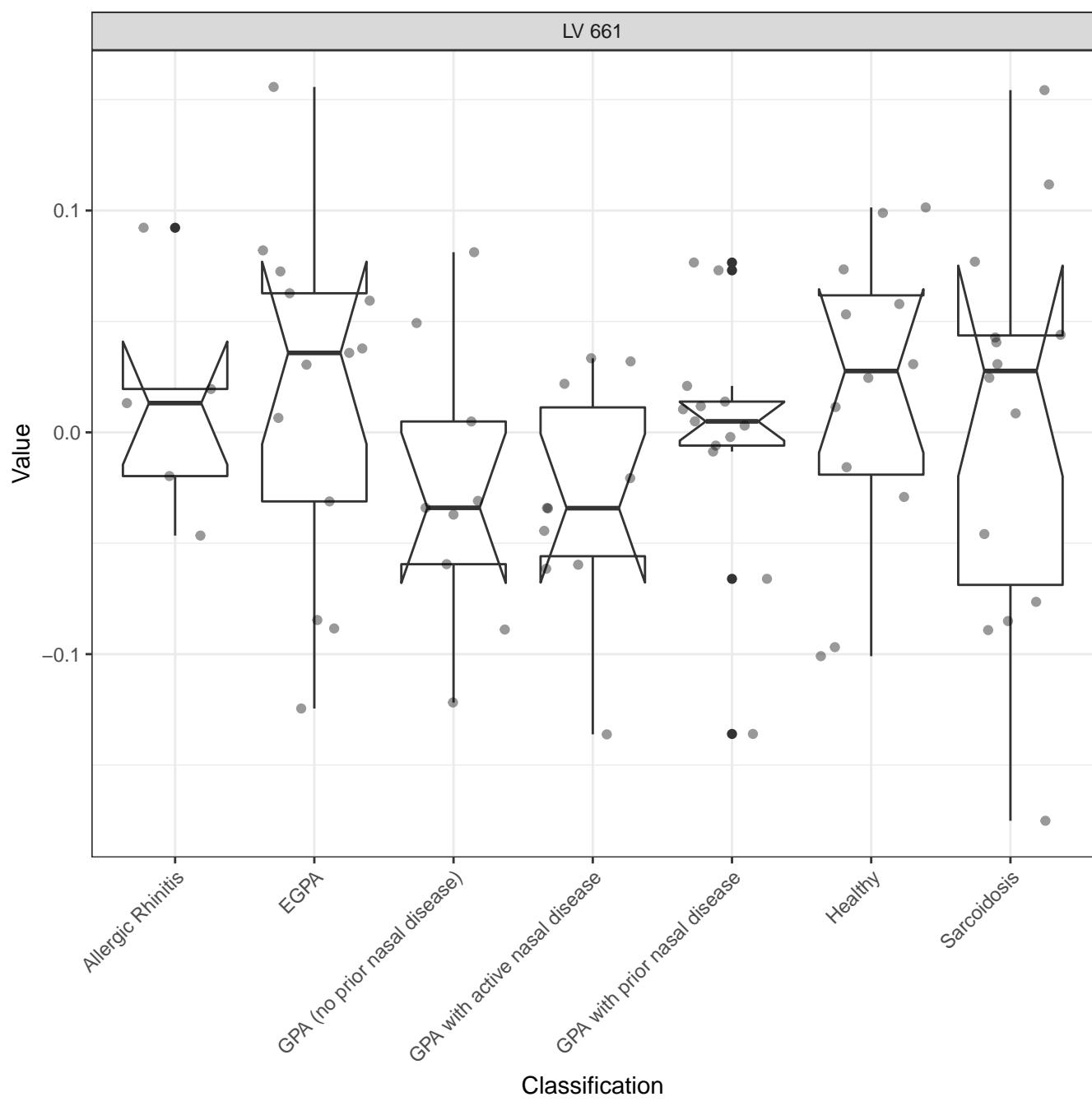
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



662,REACTOME_TRANSMISSION_ACROSS_chemical_SYNAPSES

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

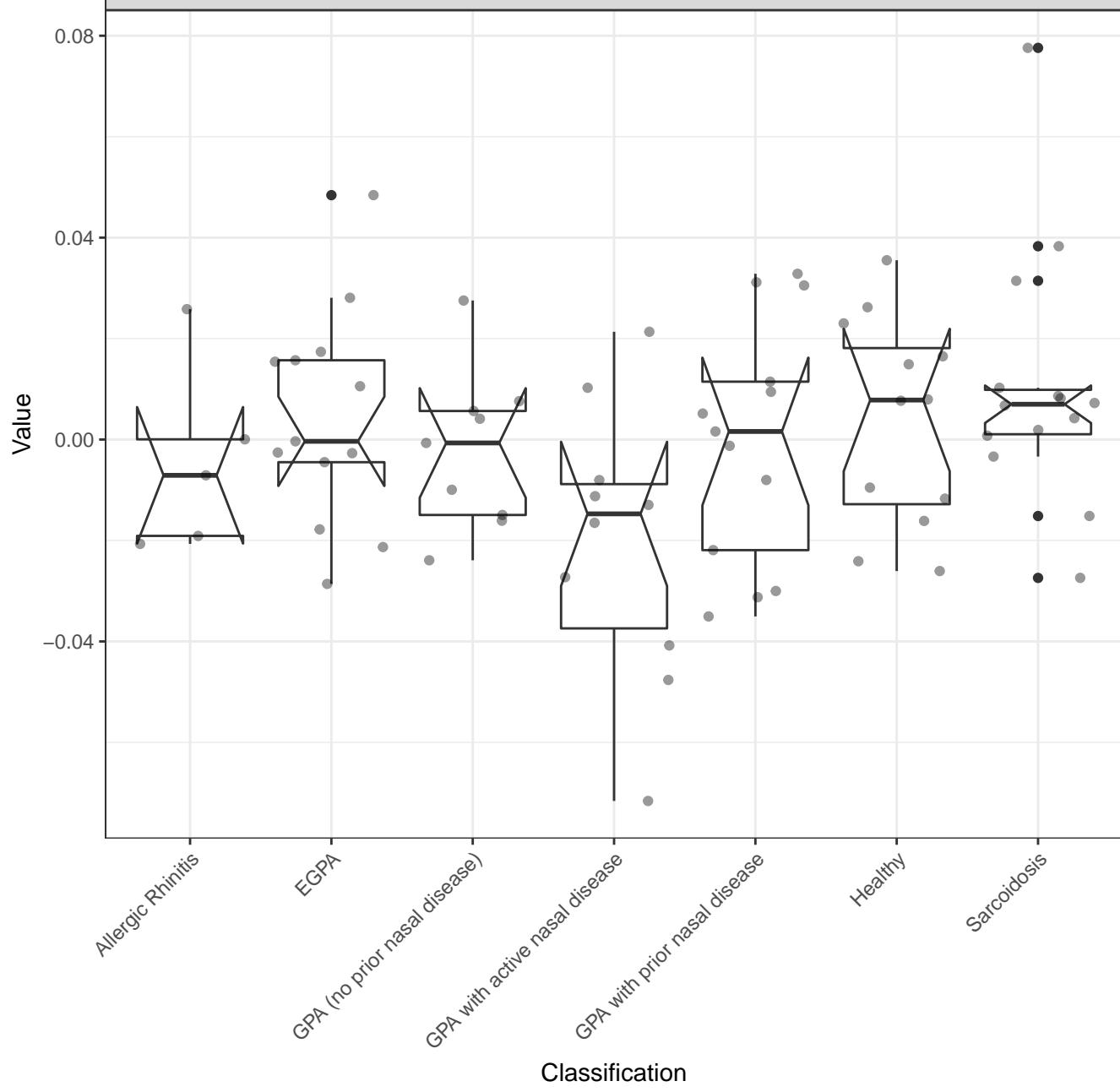
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

670,REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSPORTERS

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

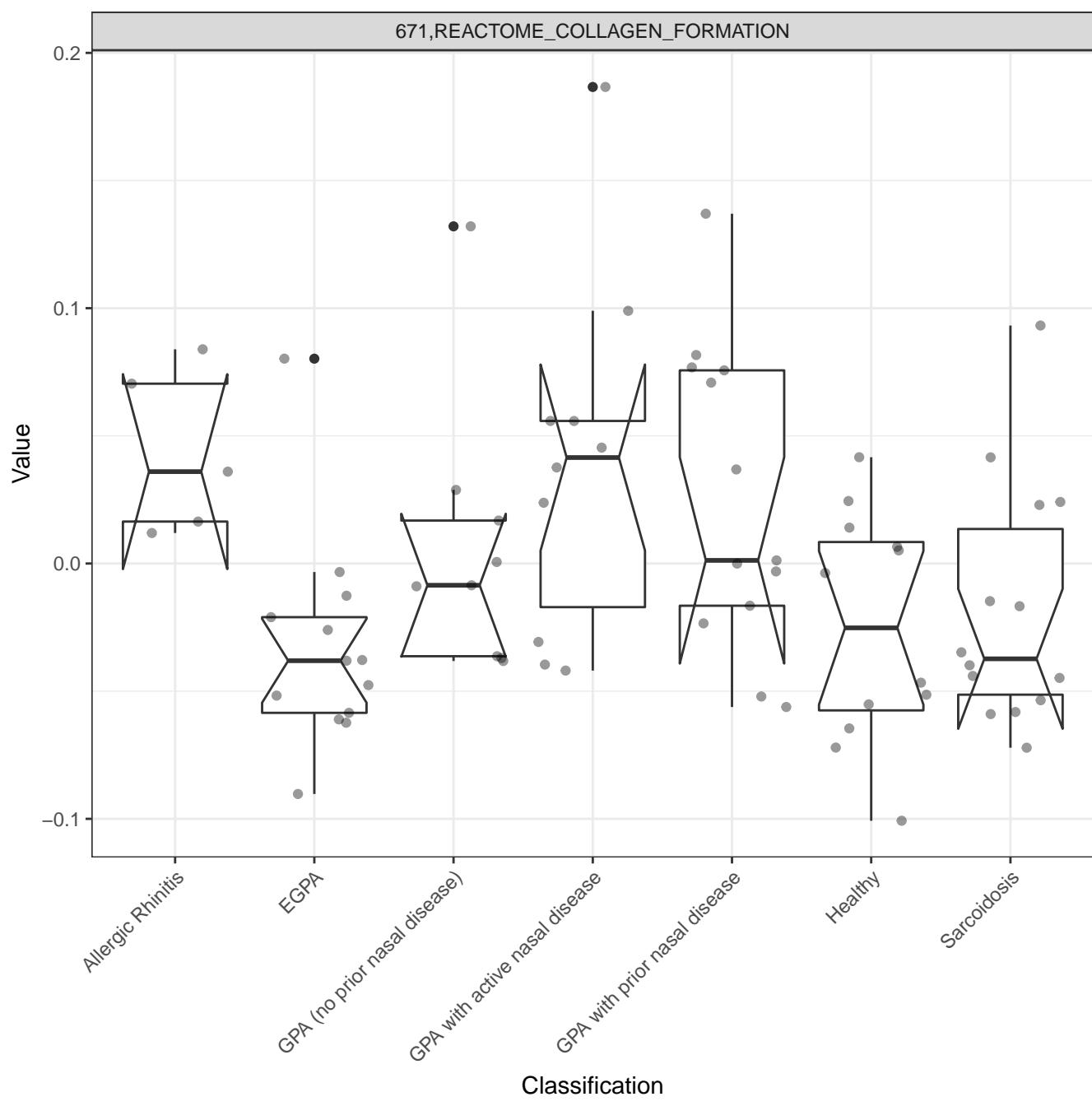
GPA with prior nasal disease

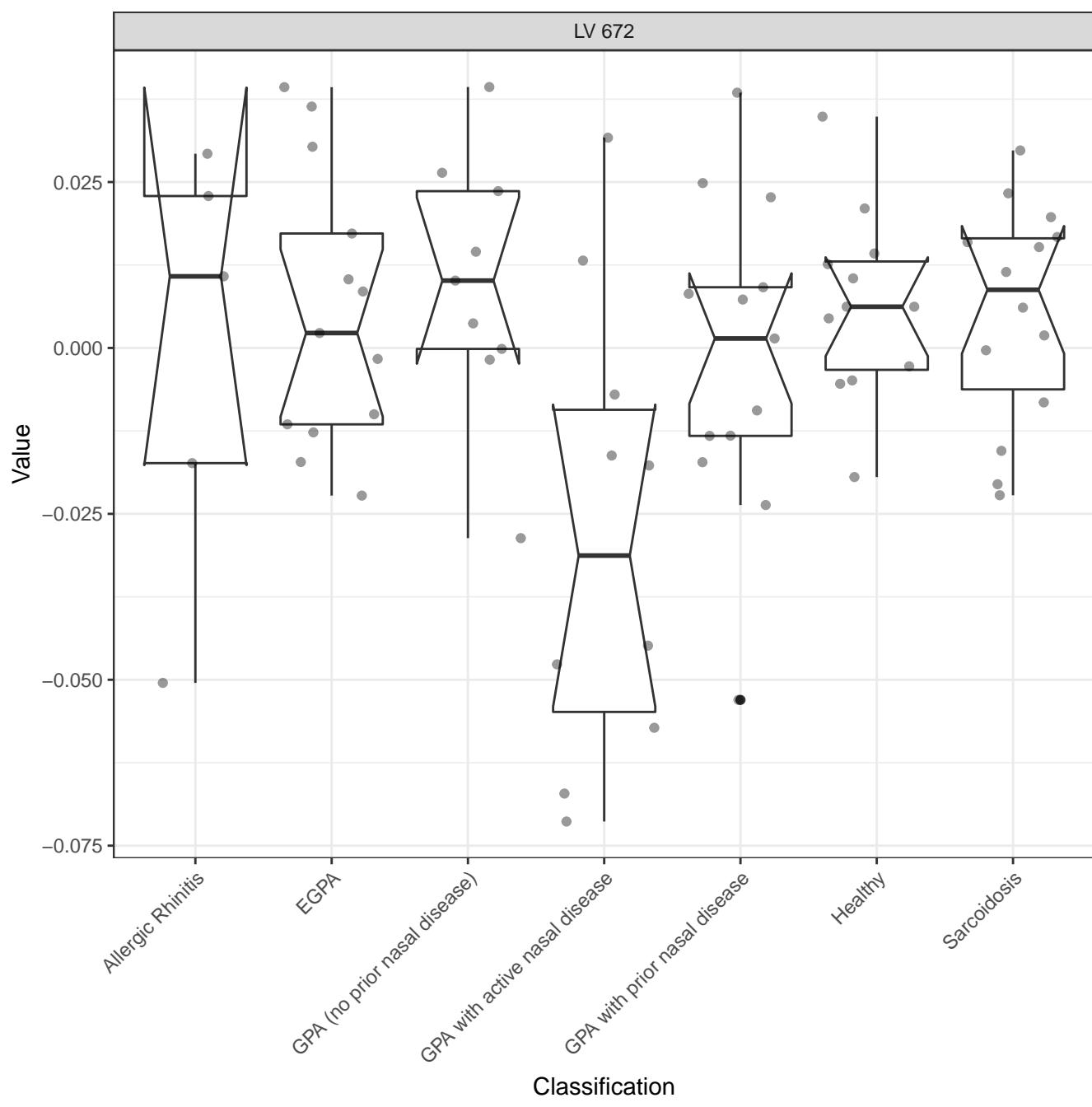
Healthy

Sarcoidosis

Classification

671,REACTOME_COLLAGEN_FORMATION





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

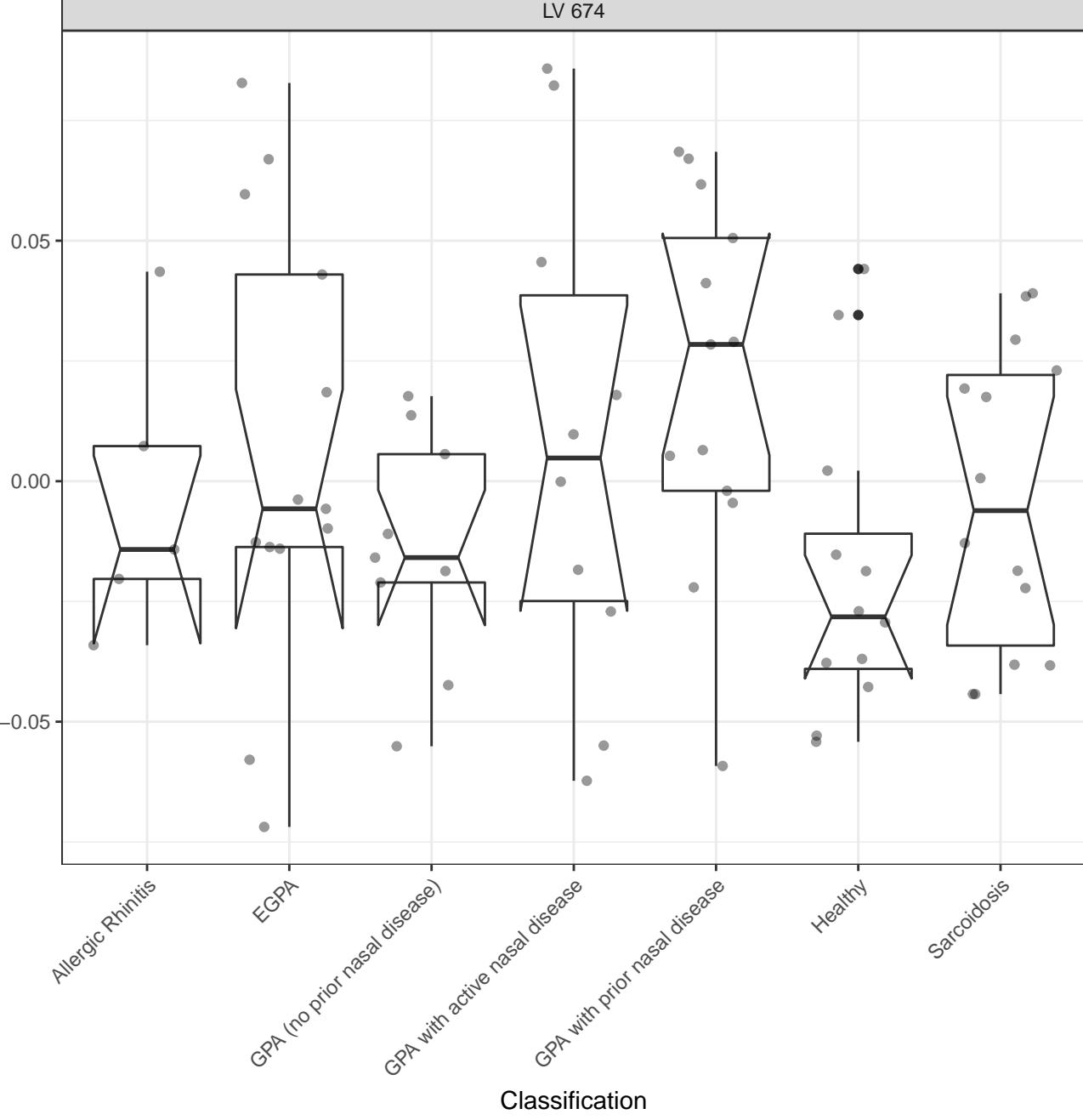
GPA with prior nasal disease

Healthy

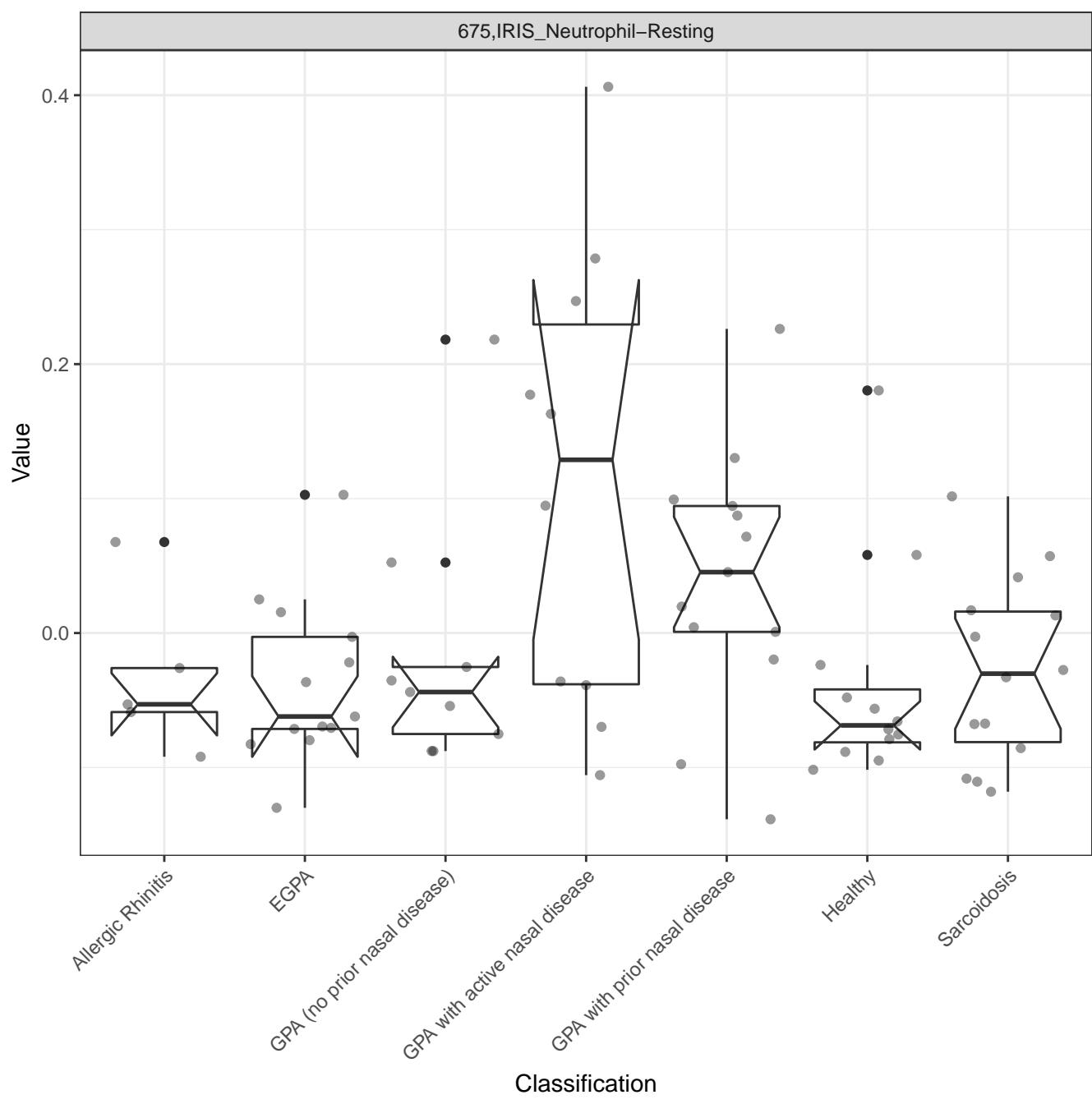
Sarcoidosis

Classification

Value



675,IRIS_Neutrophil–Resting



Value

0.03

0.01

-0.01

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

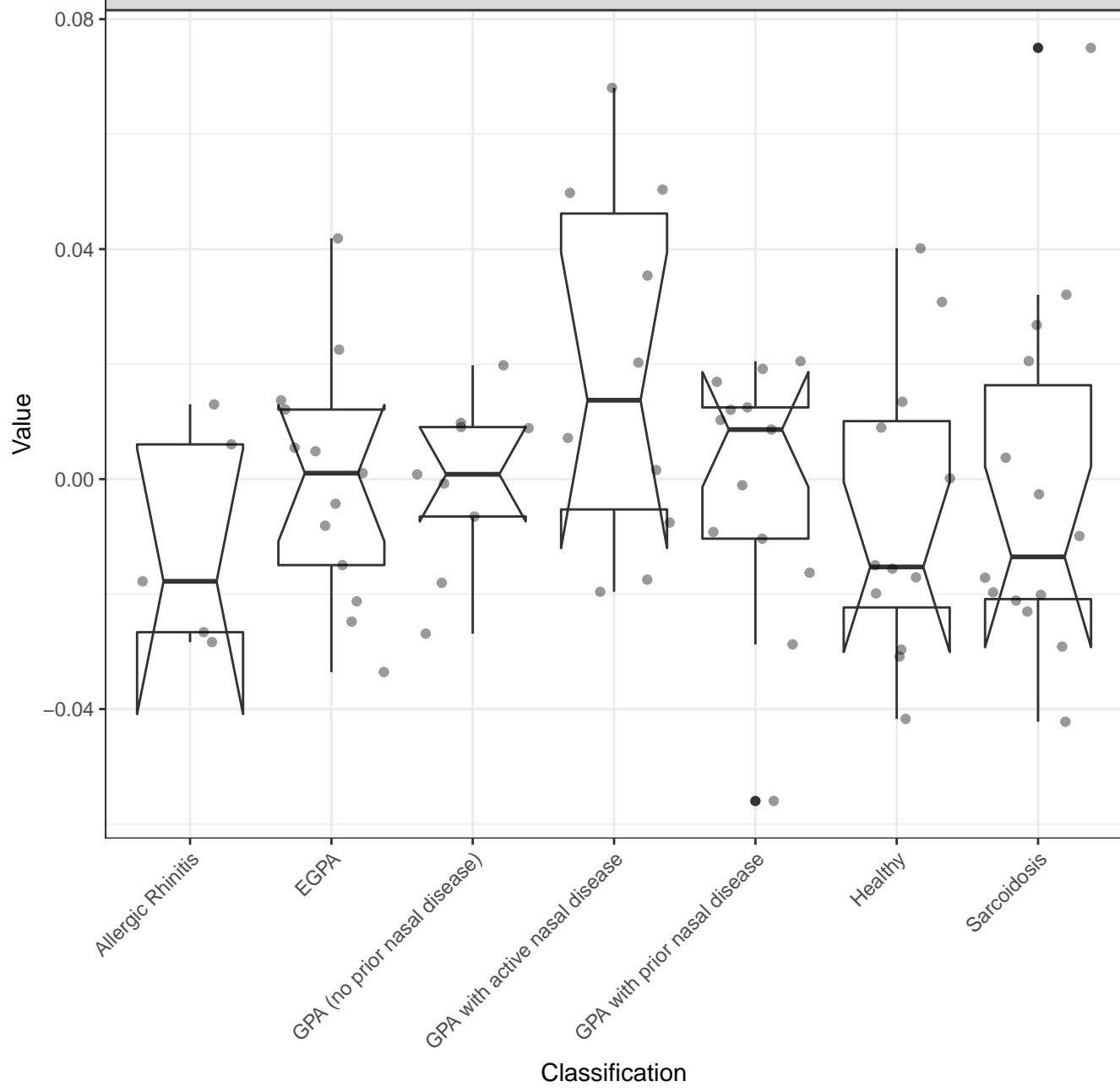
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING_AND_HEAT_PRODUCTION

Value

0.2

0.0

-0.2

-0.4

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

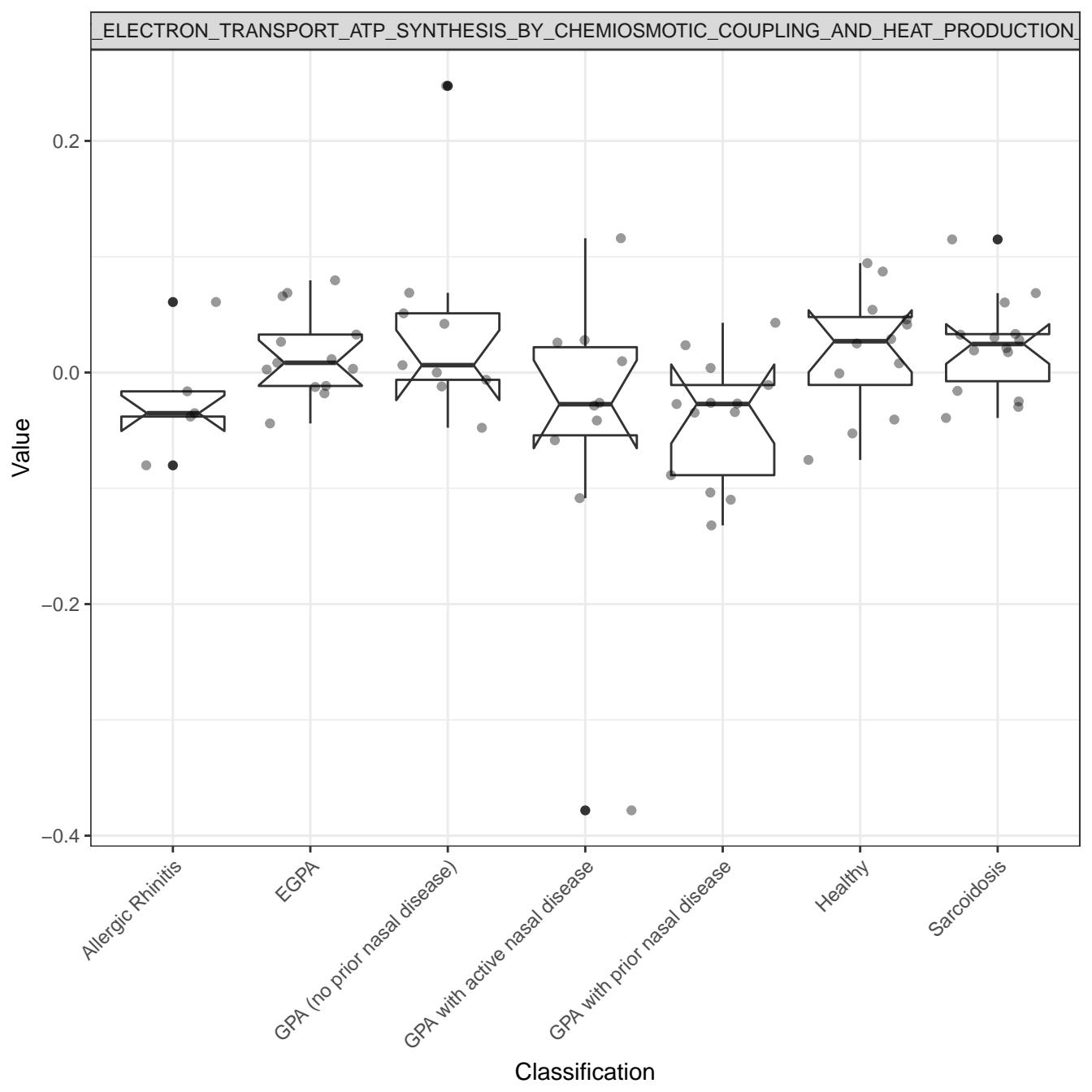
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.02

0.00

-0.02

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.050

0.025

0.000

-0.025

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 683

Value

0.05
0.01
-0.01
-0.05
-0.10
-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

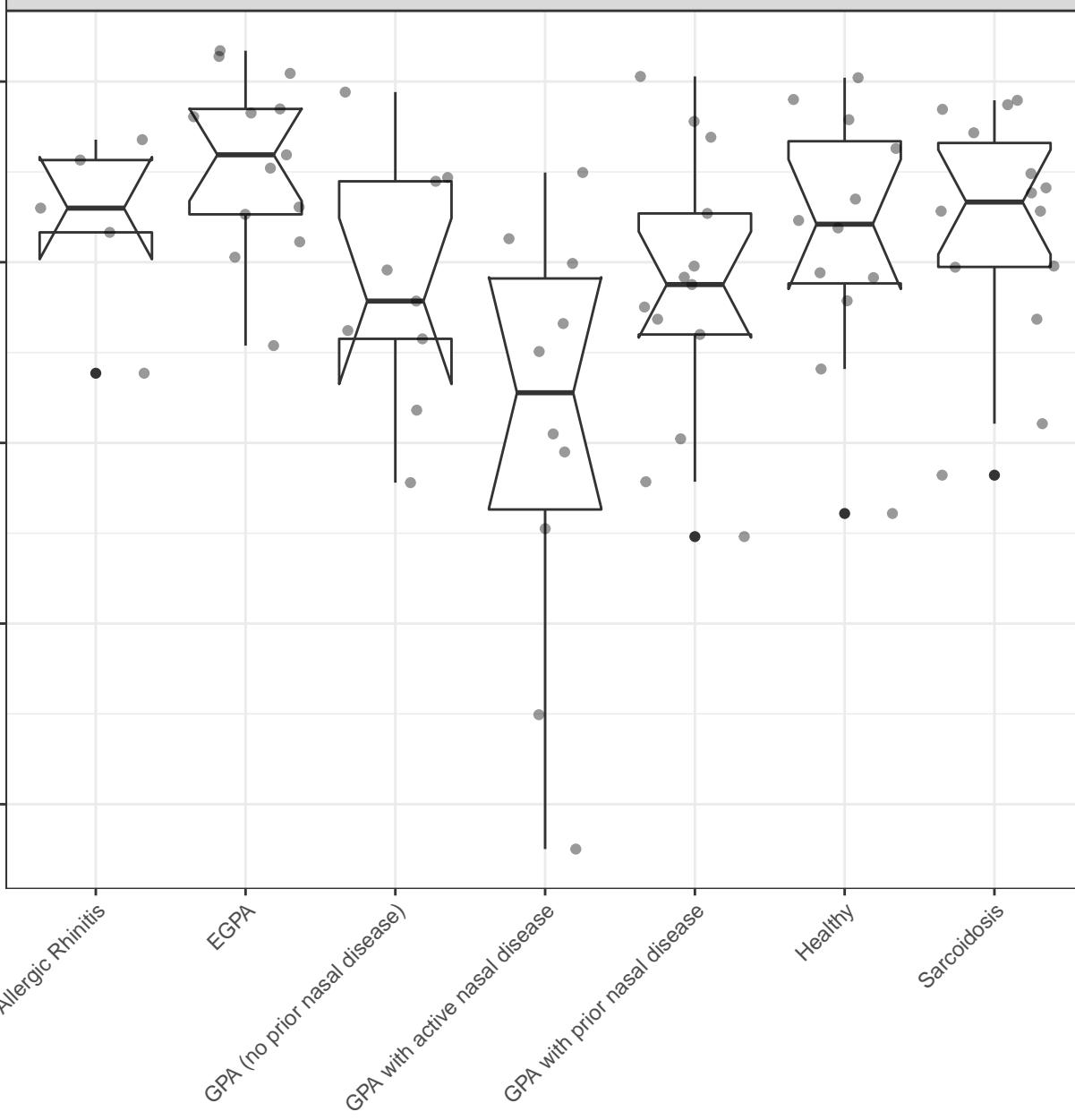
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



684,KEGG_CELL_CYCLE

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.03

0.01

-0.01

-0.03

-0.05

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

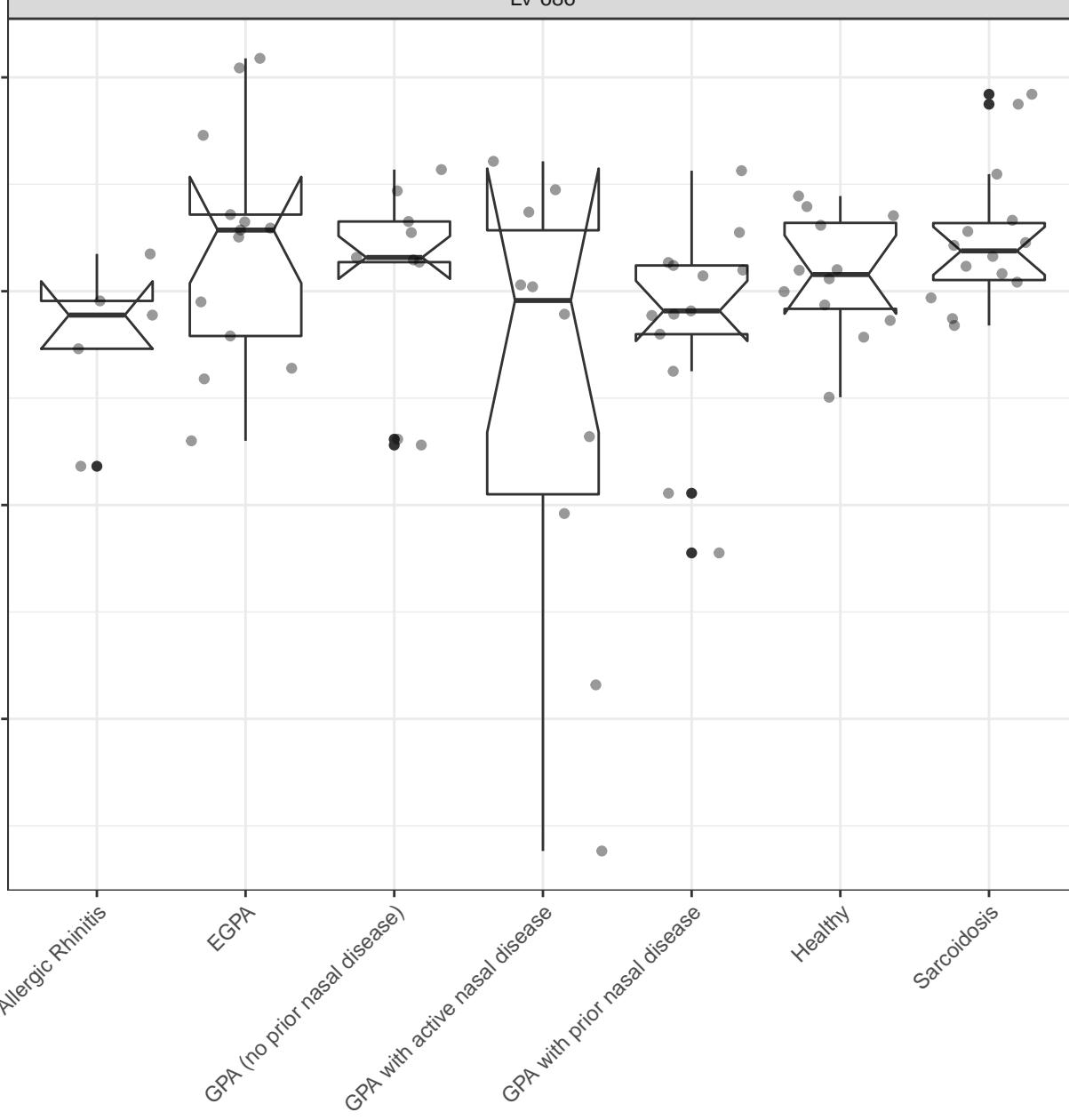
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

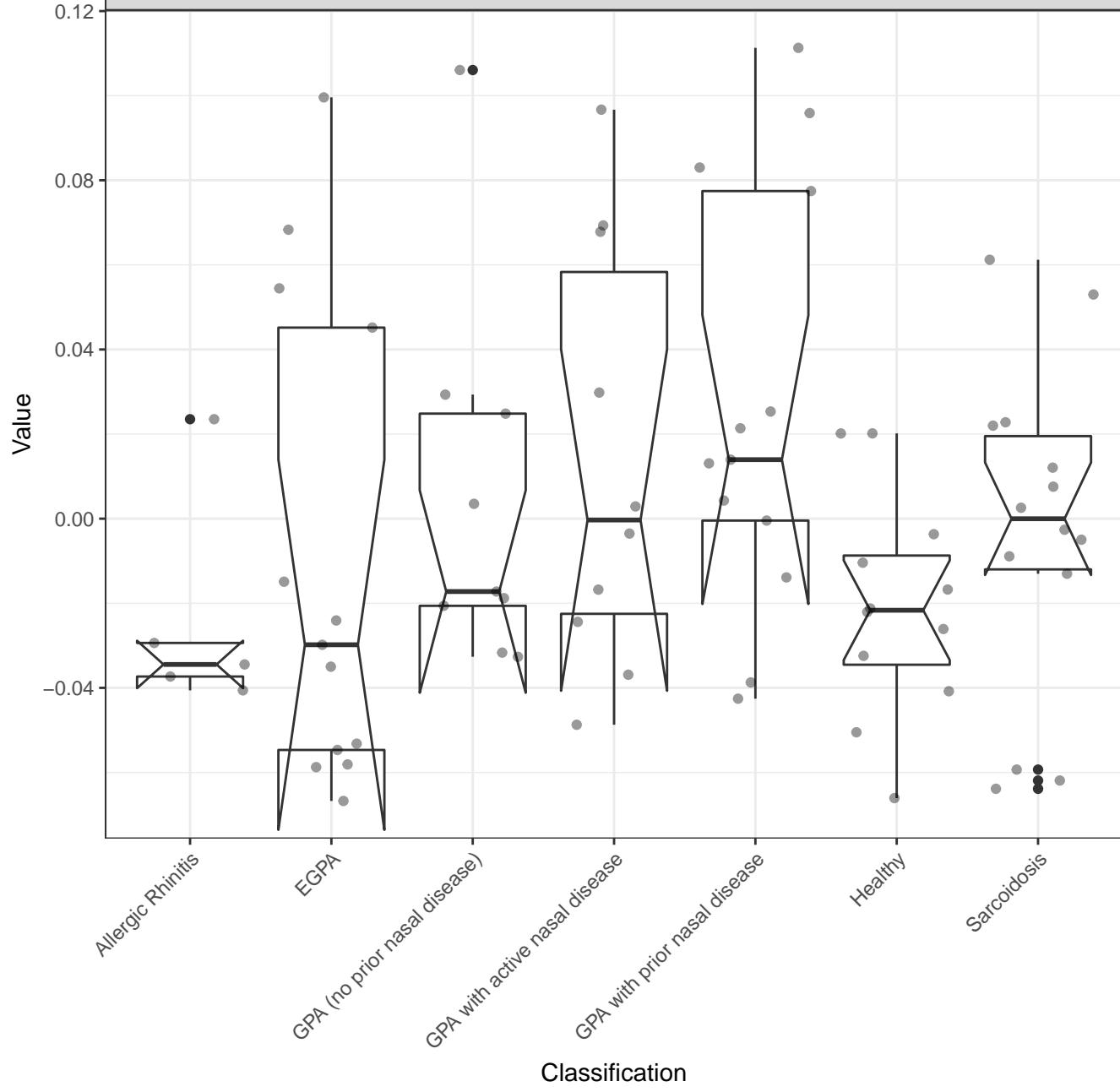
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

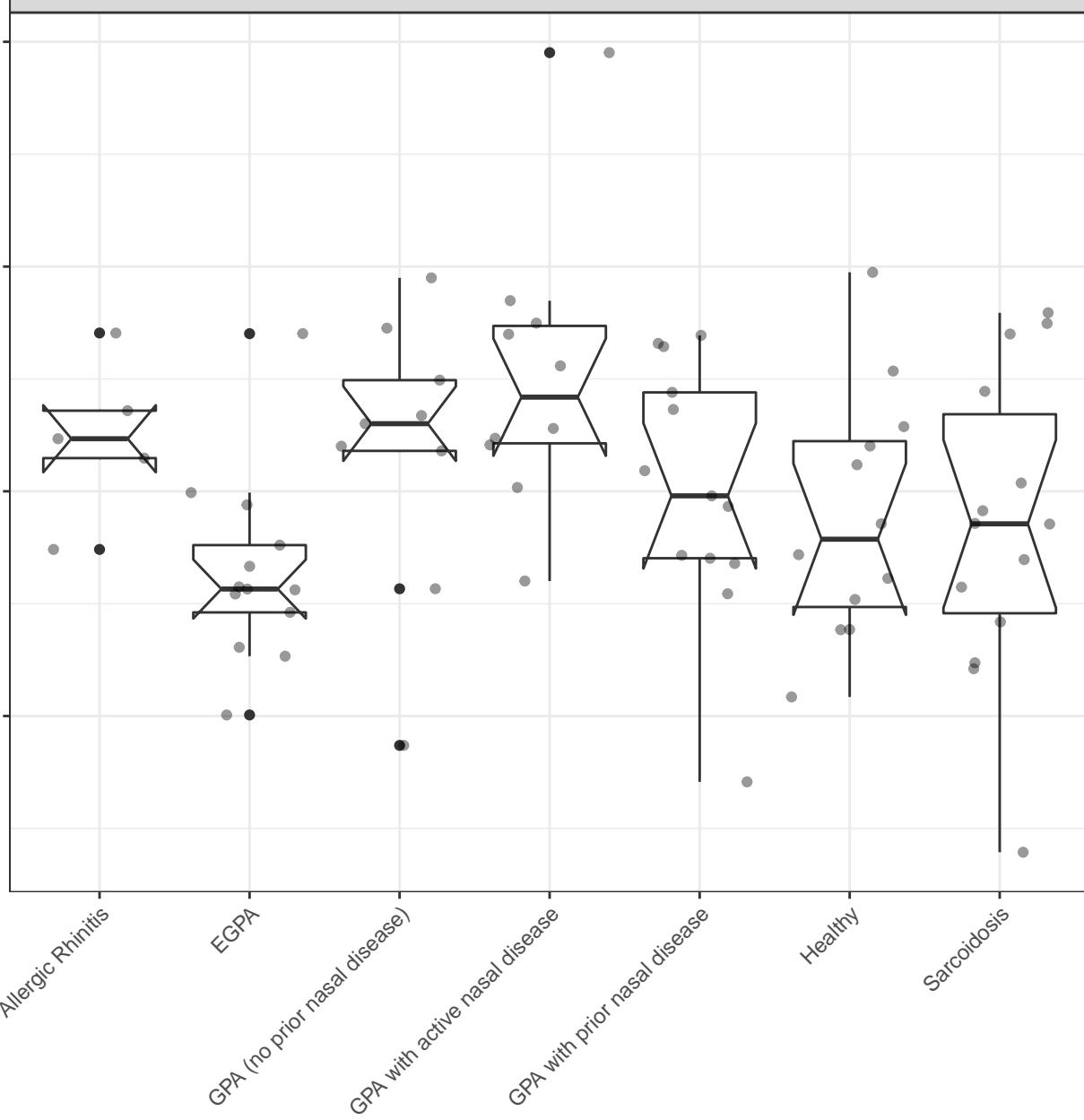
GPA with active nasal disease

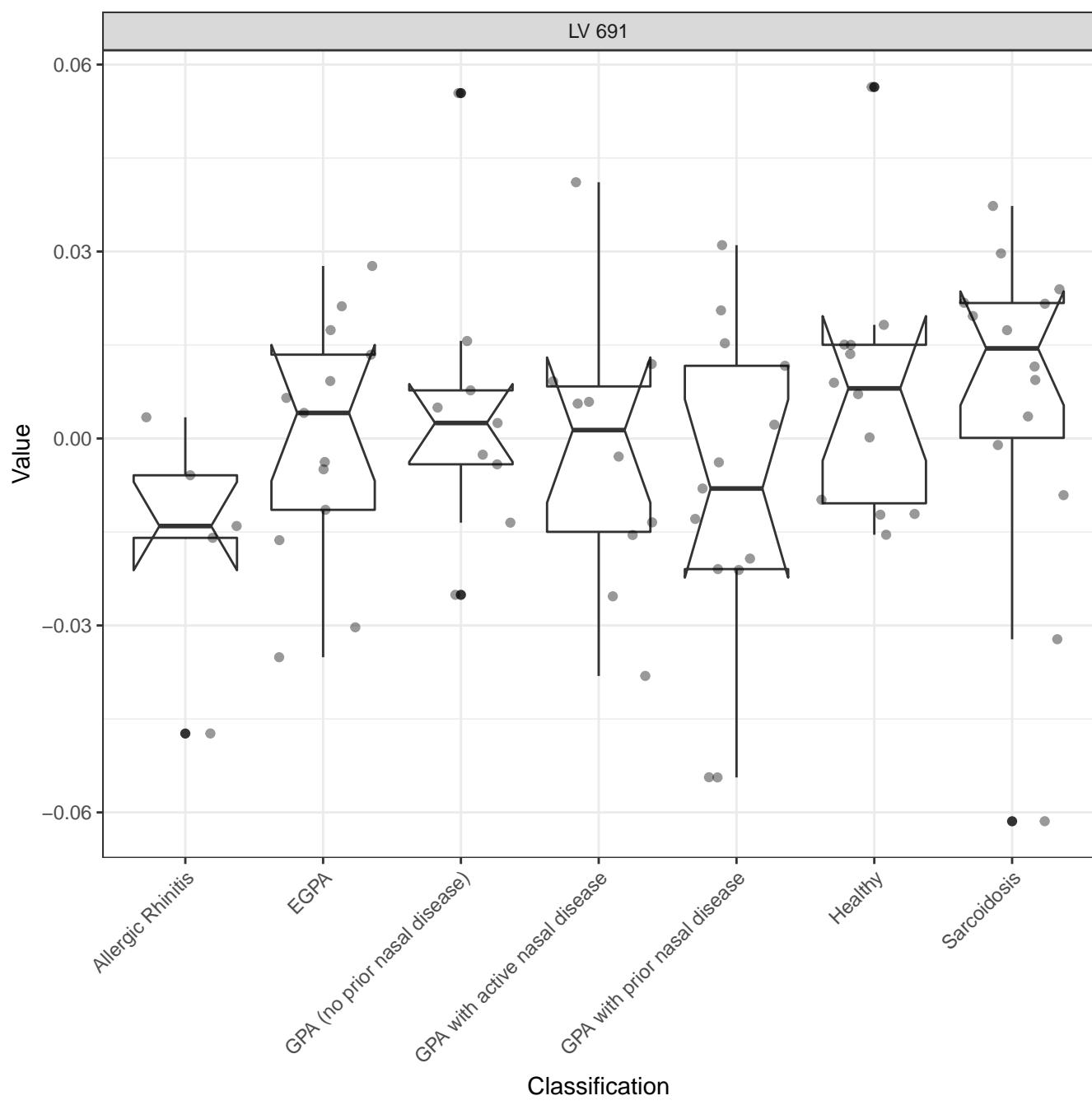
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



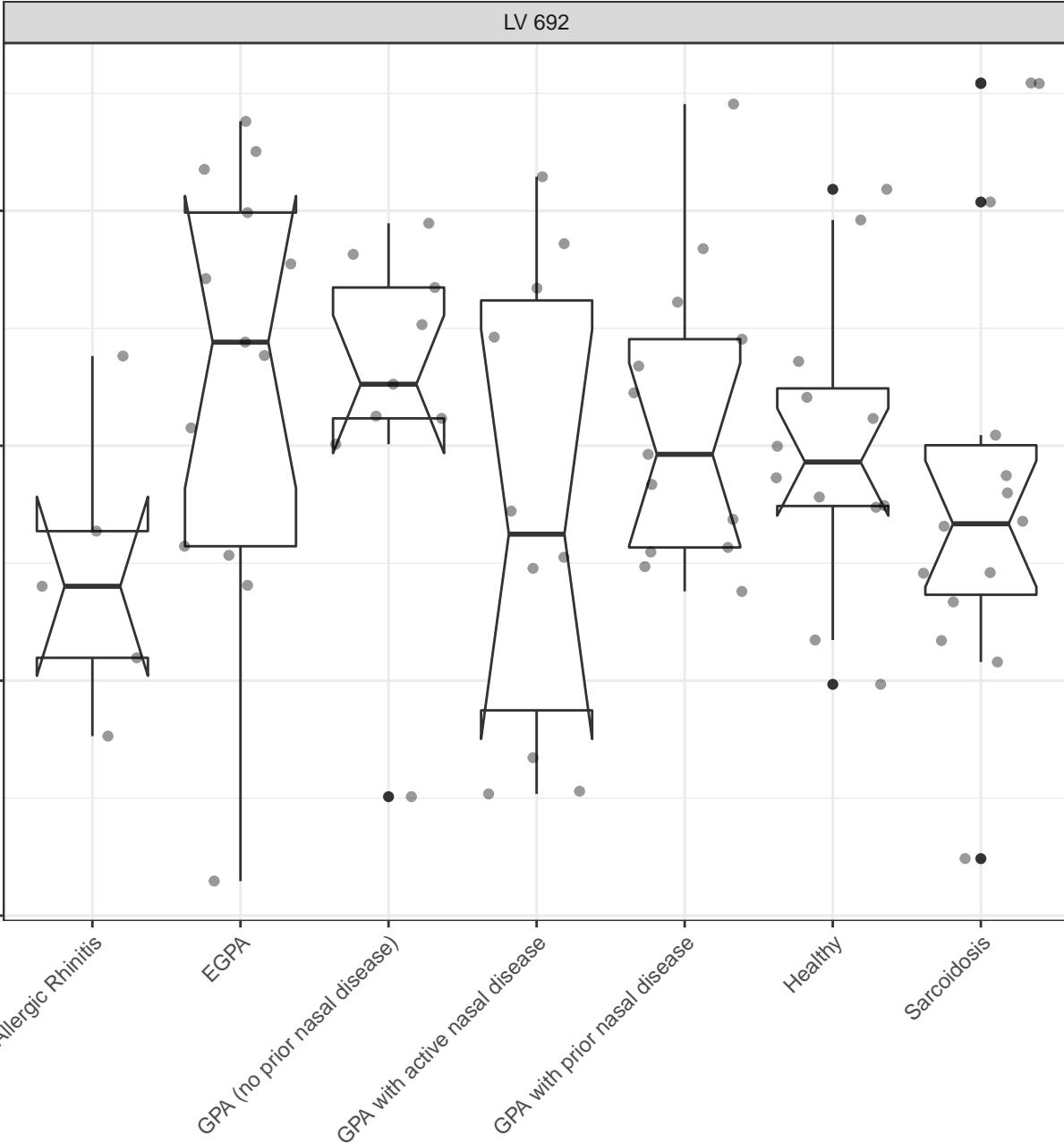


Value

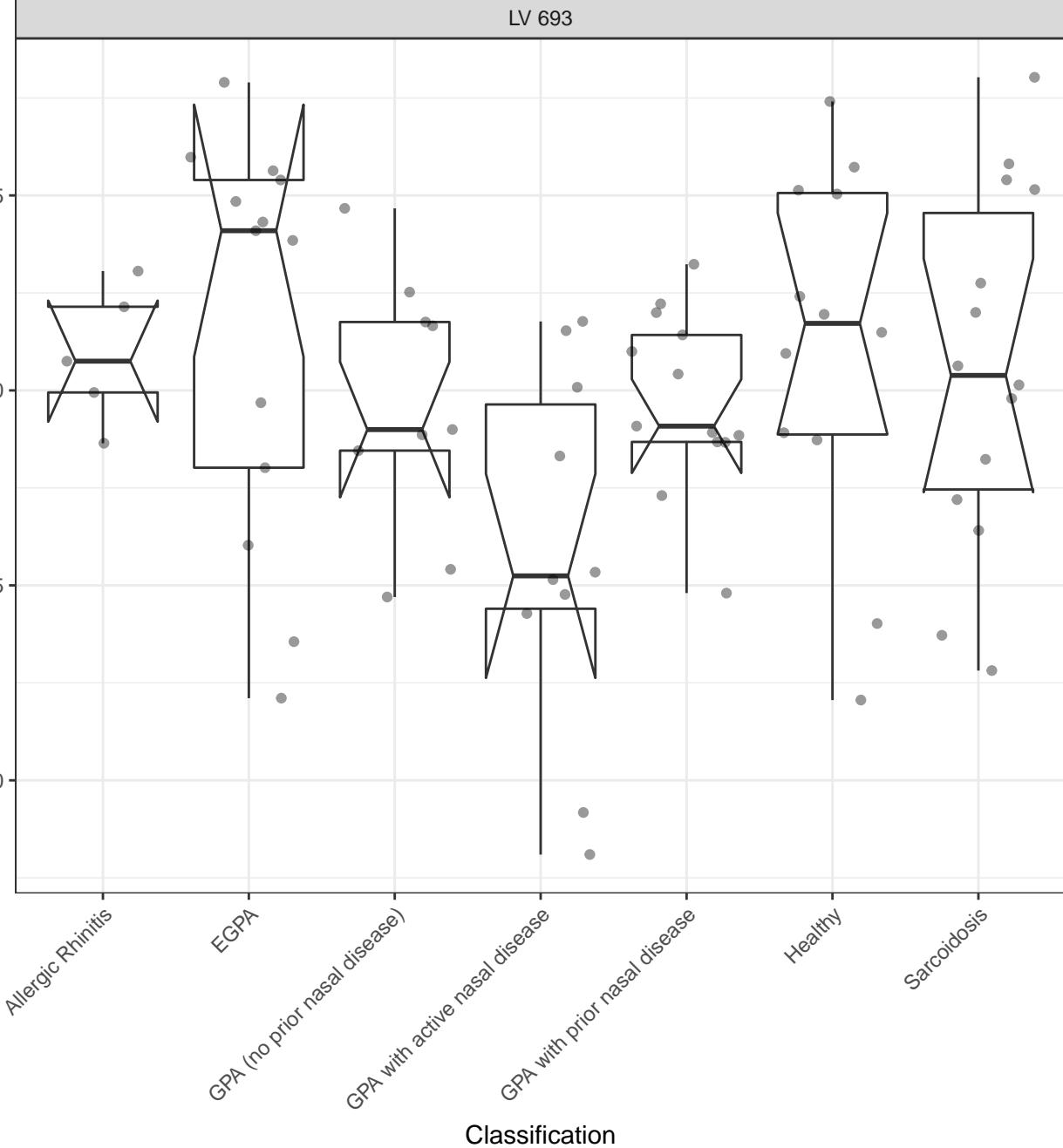
0.025
0.000
-0.025
-0.050

Allergic Rhinitis EGPA GPA (no prior nasal disease) GPA with active nasal disease GPA with prior nasal disease Healthy Sarcoidosis

Classification



Value



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

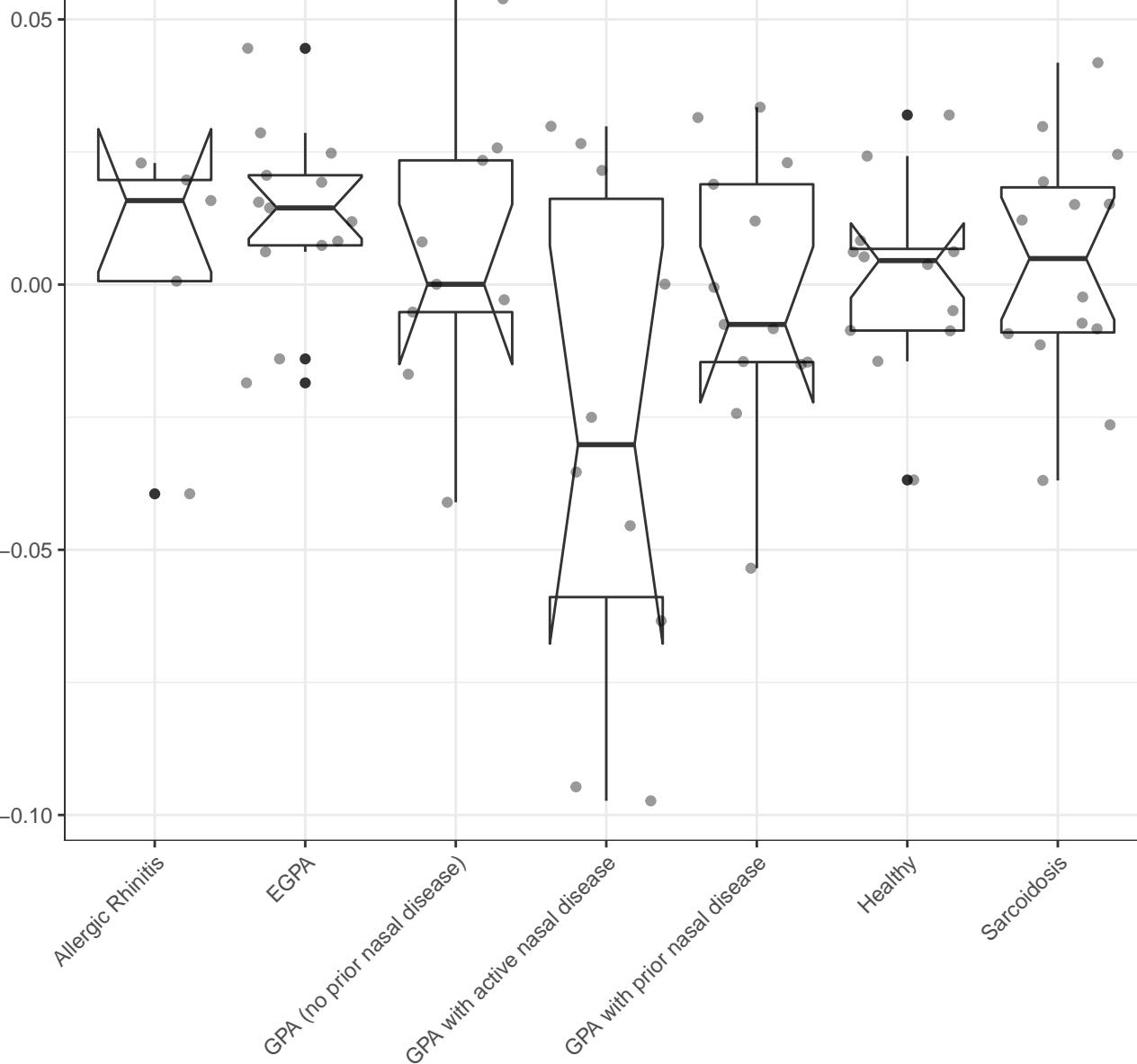
GPA with active nasal disease

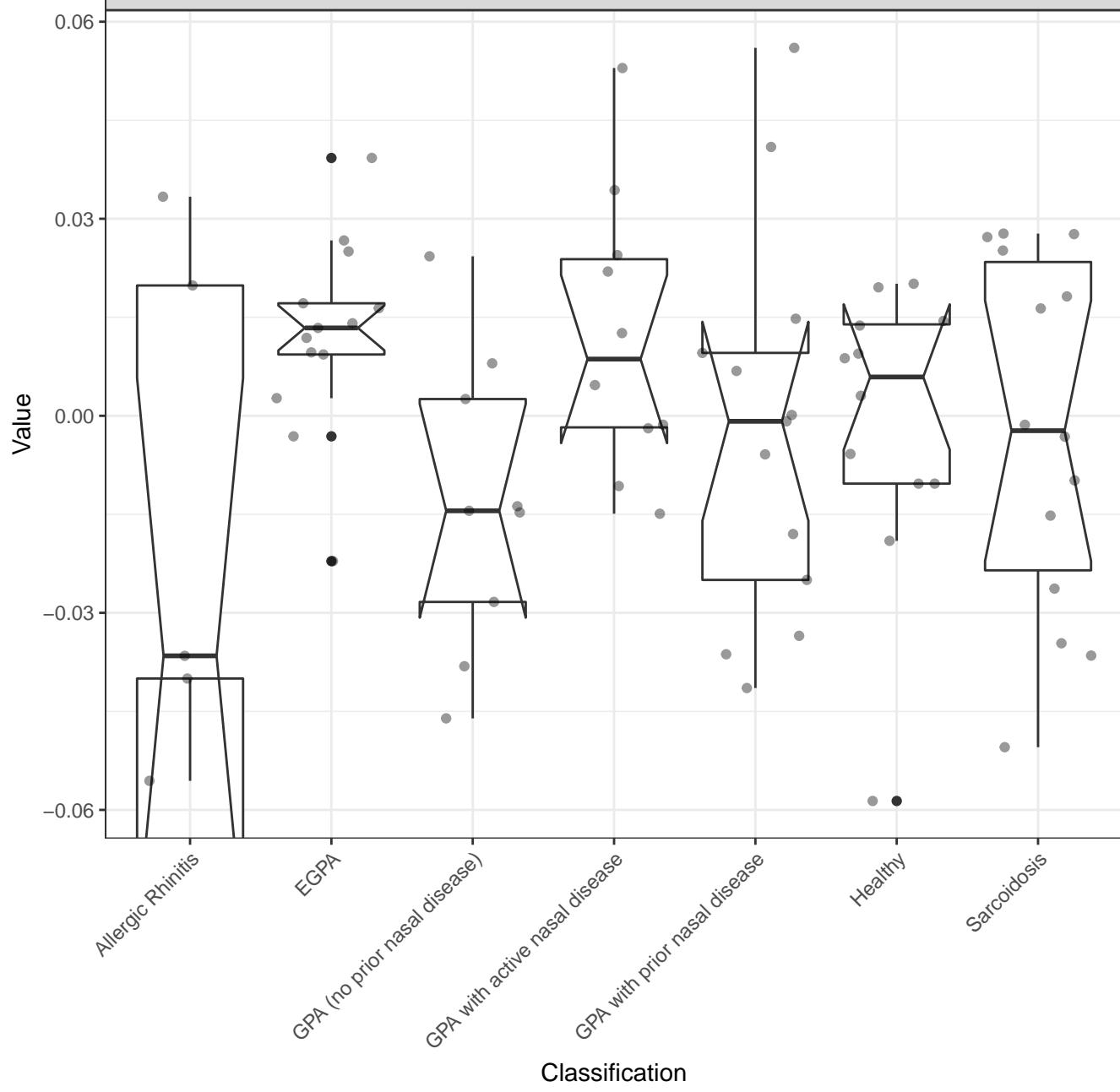
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 697

Value

0.06

0.03

0.01

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

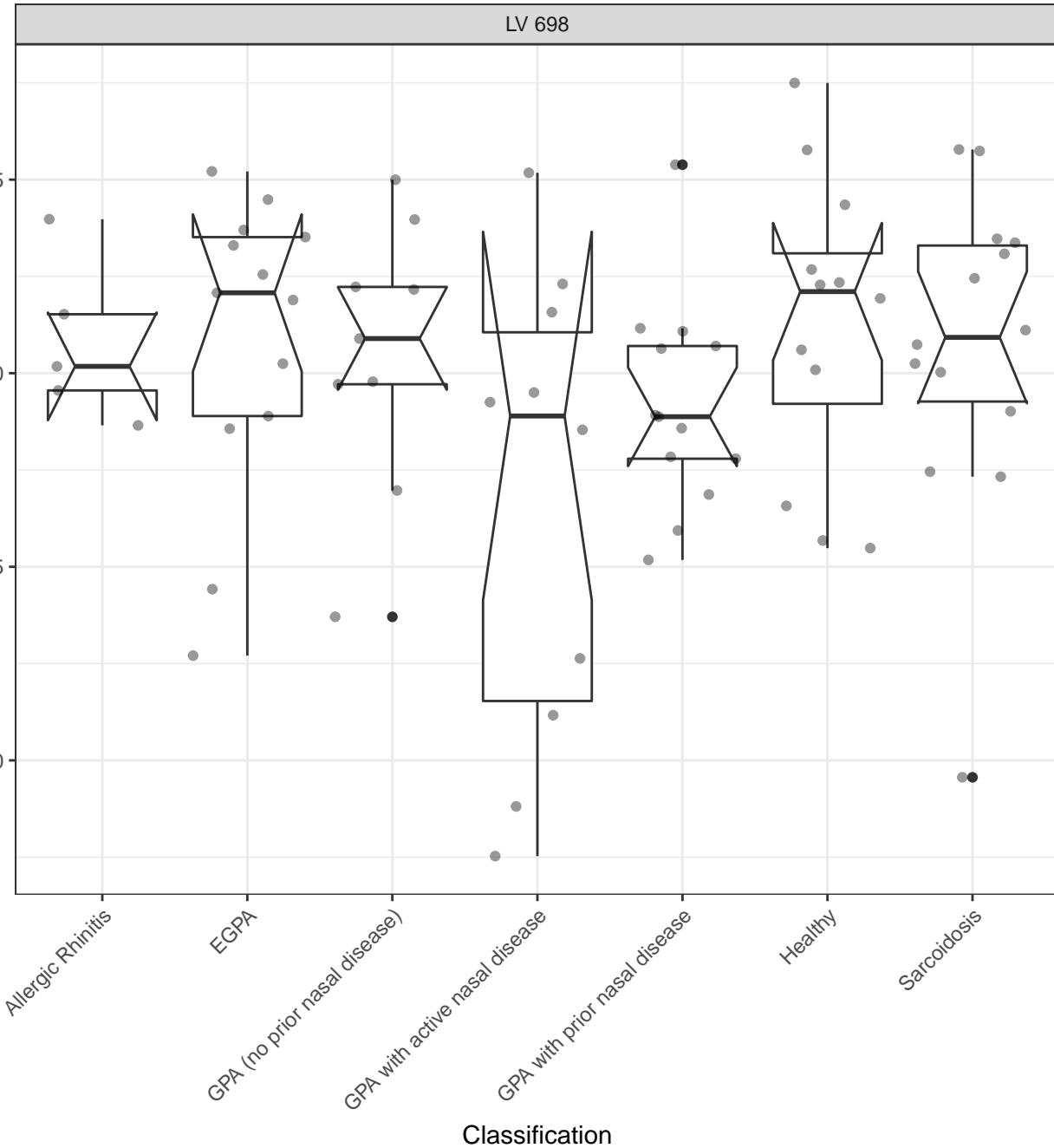
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

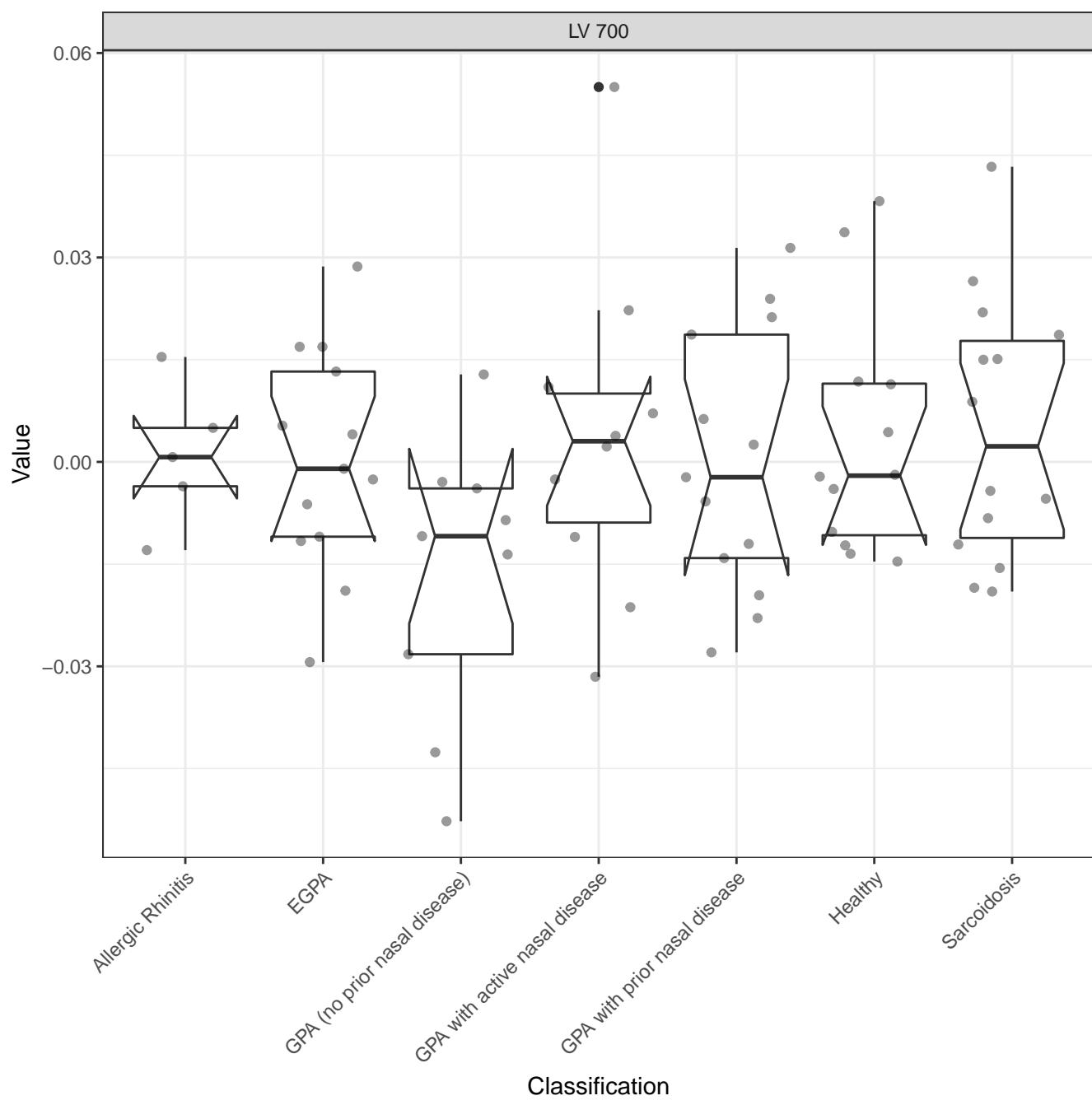
GPA with active nasal disease

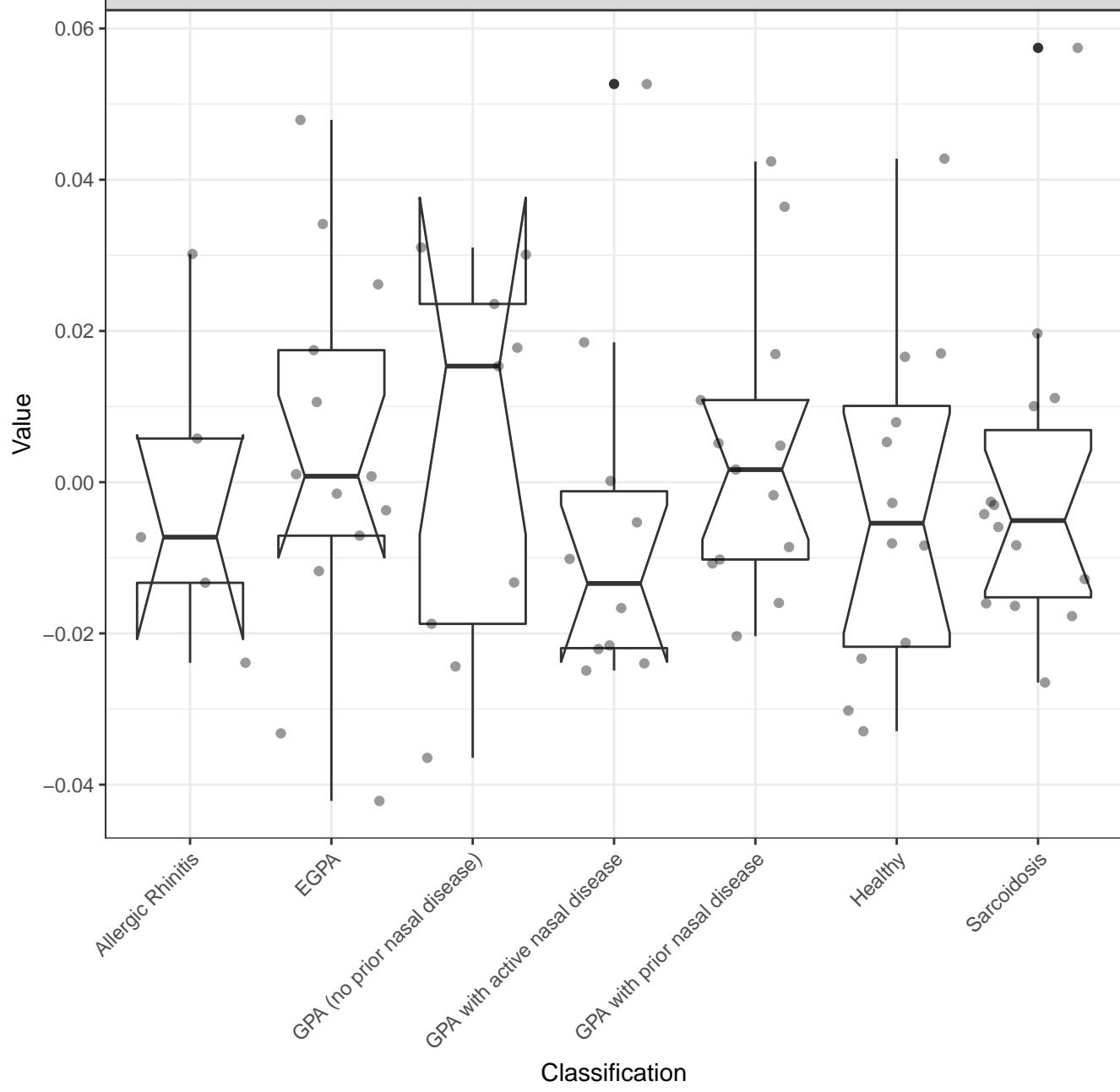
GPA with prior nasal disease

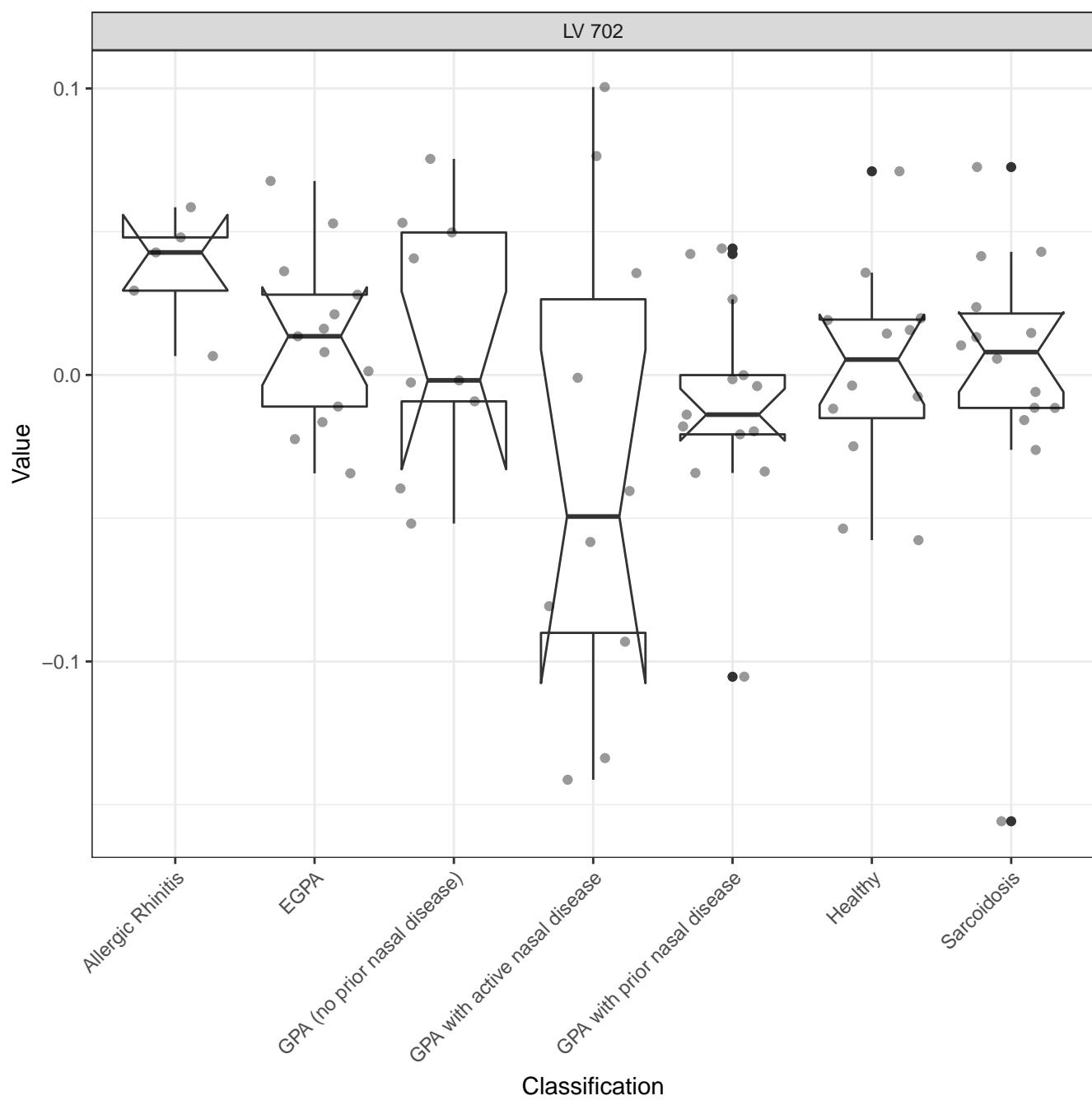
Healthy

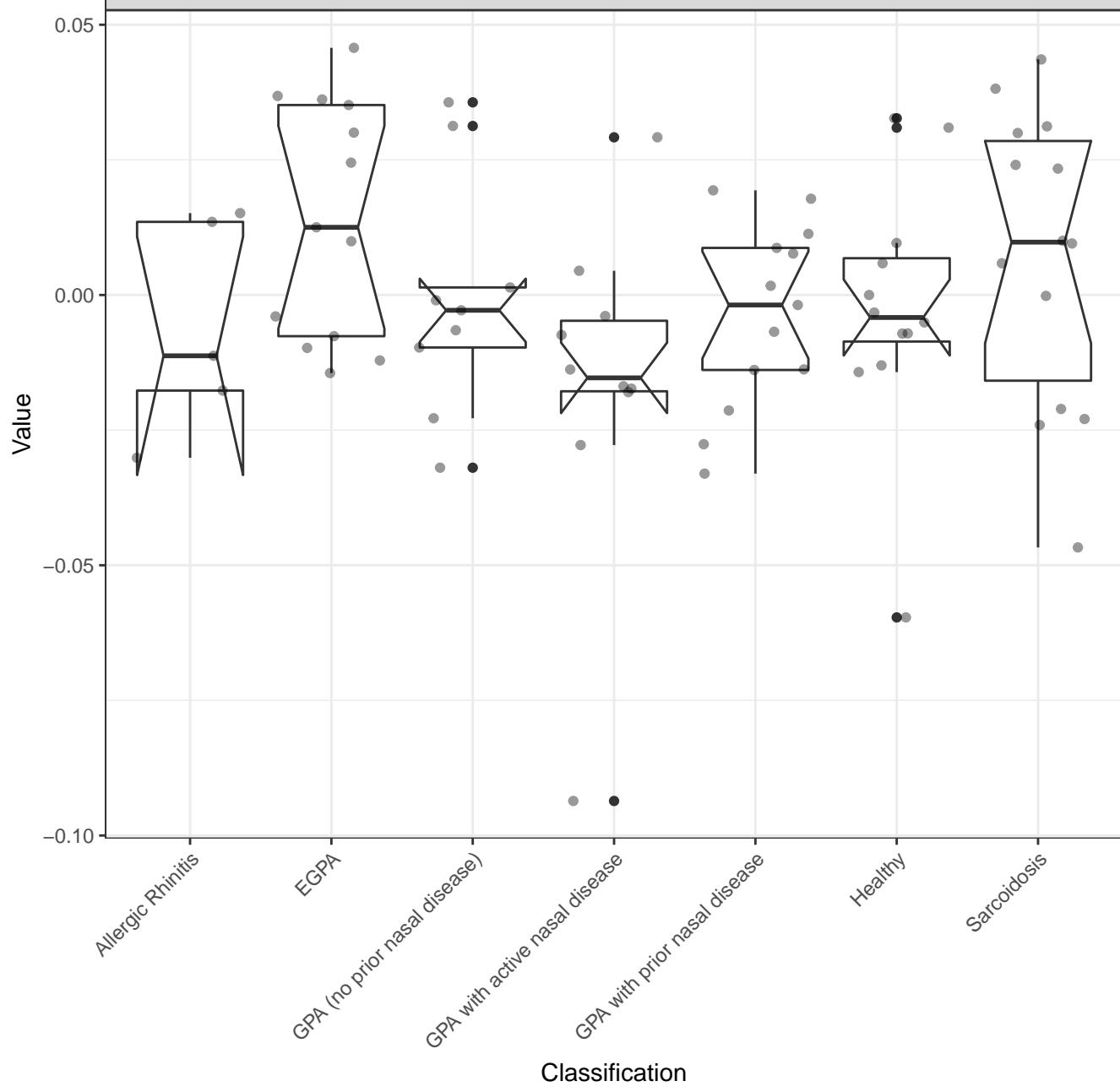
Sarcoidosis

Classification









Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

705,SVM NK cells activated

Value

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05
0.01
-0.01
-0.05
-0.10
-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

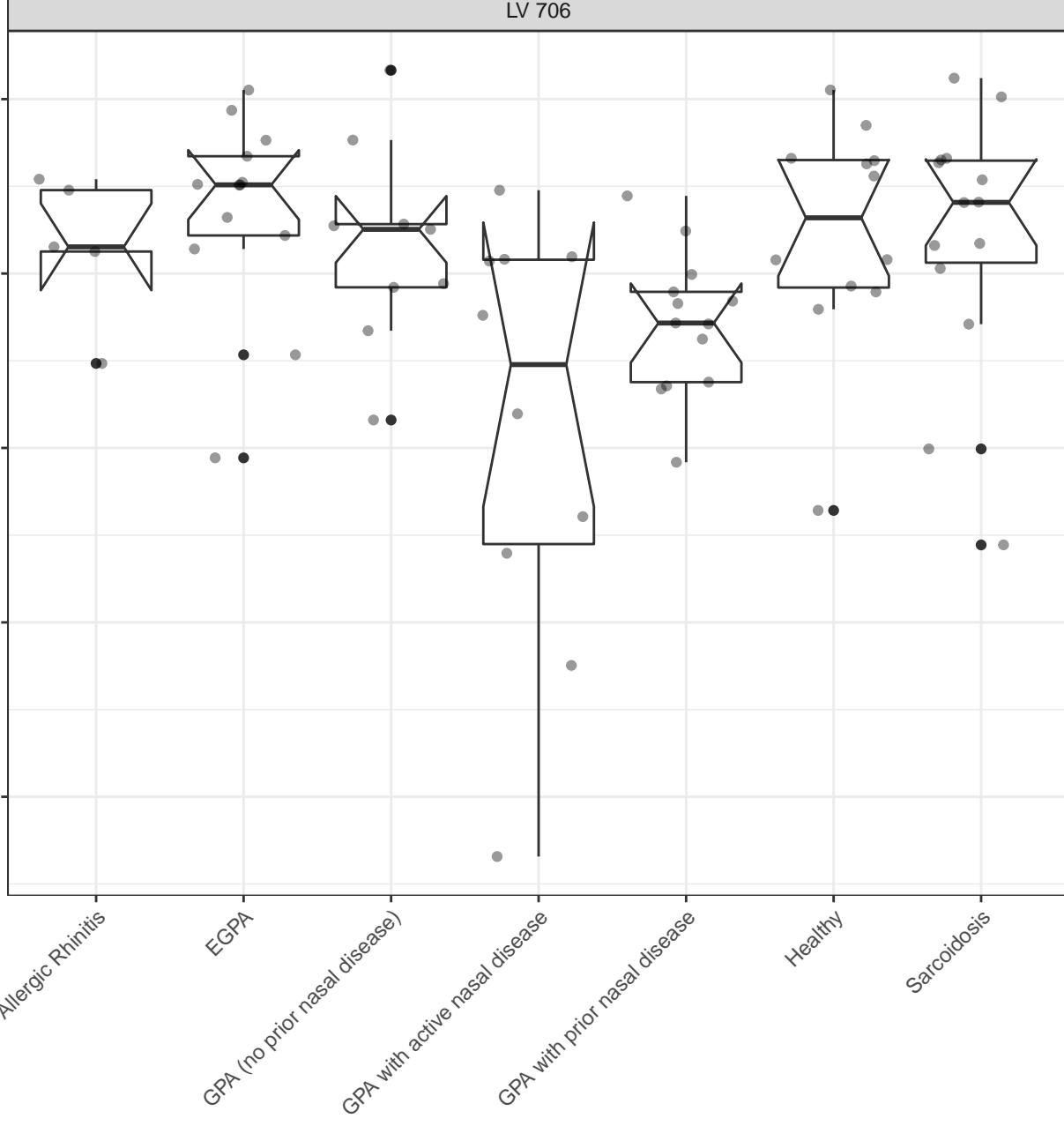
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



707,REACTOME_PEPTIDE_CHAIN_ELONGATION

Value

0.3

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

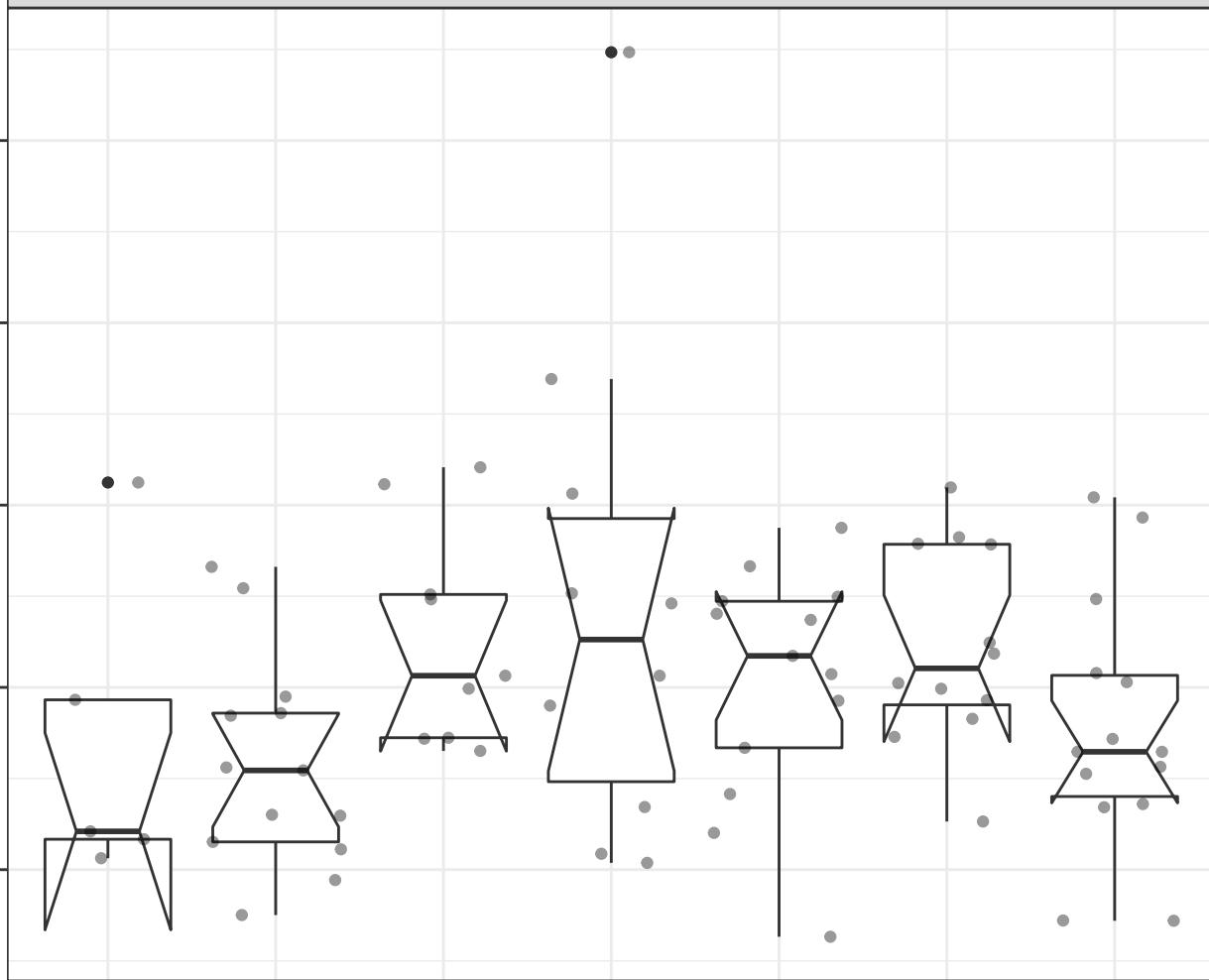
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

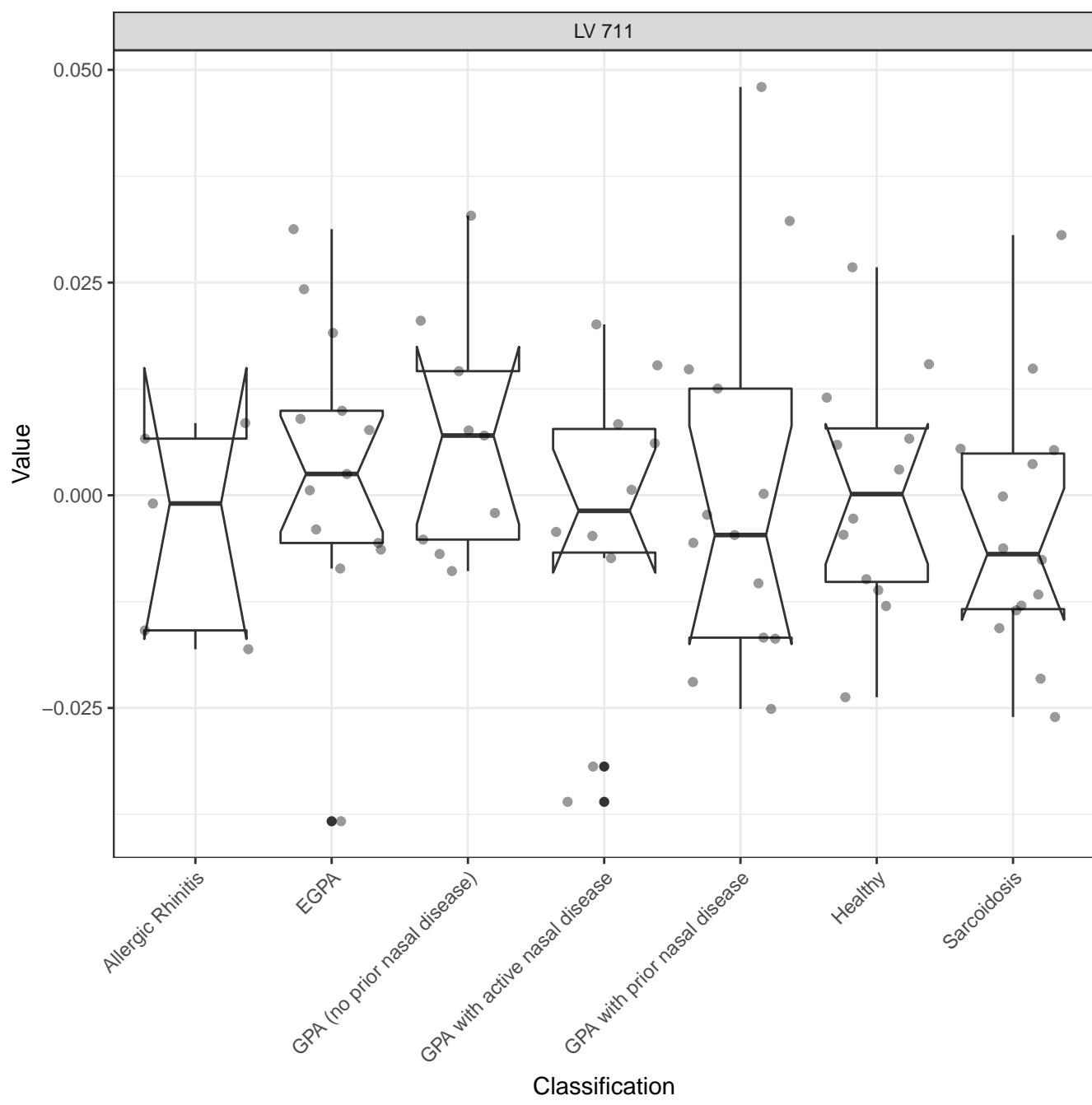
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

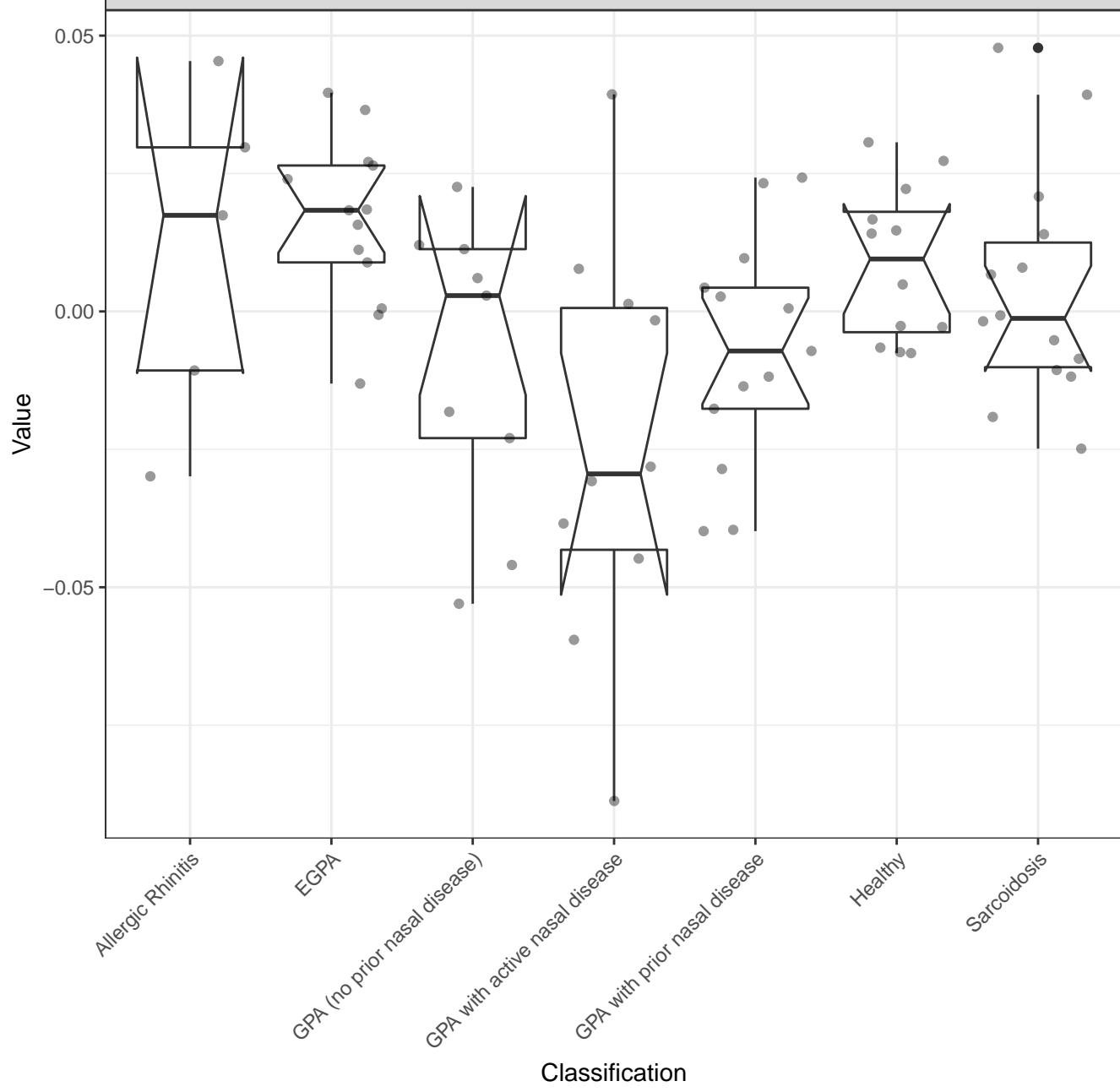
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

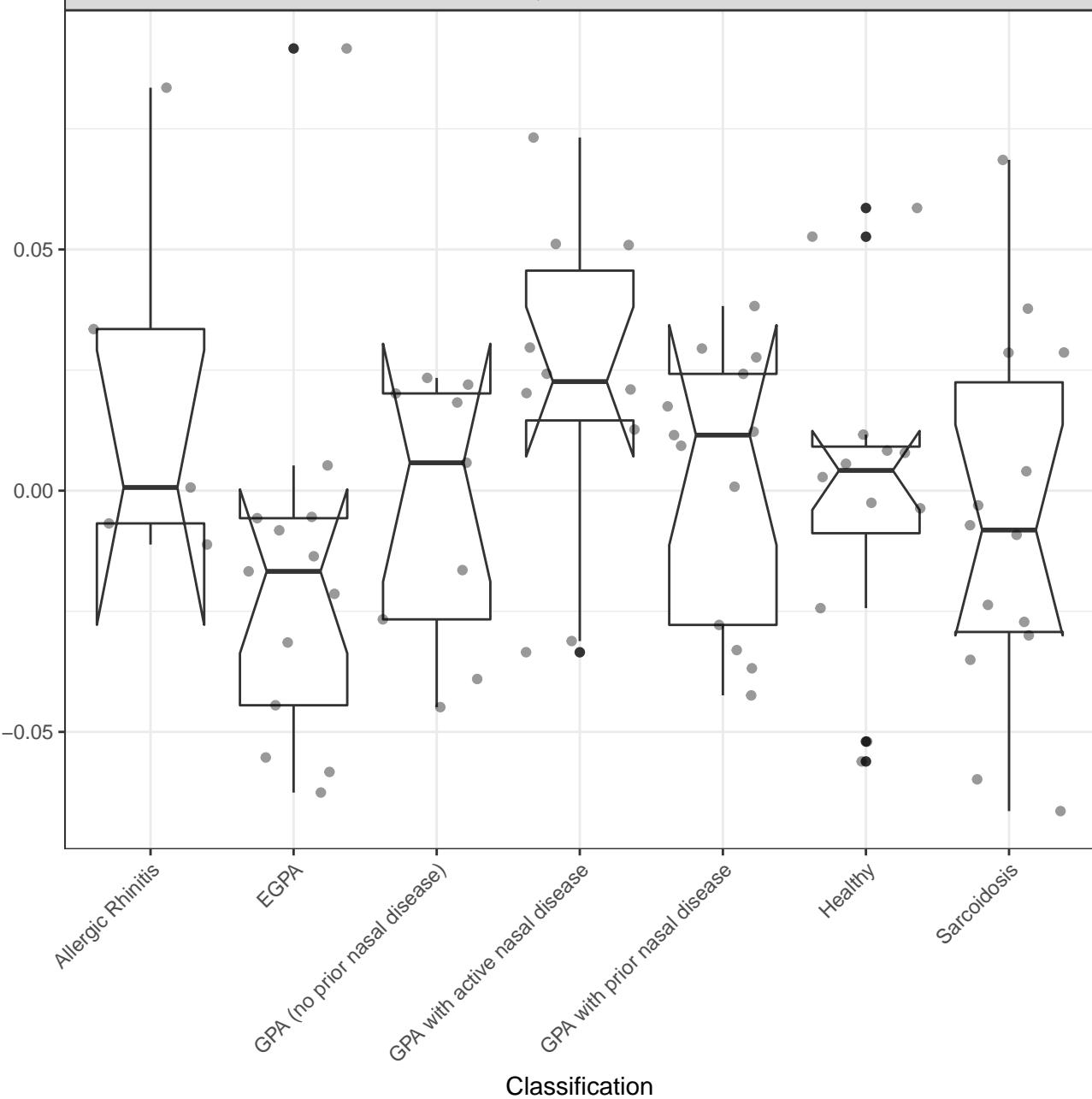
GPA with prior nasal disease

Healthy

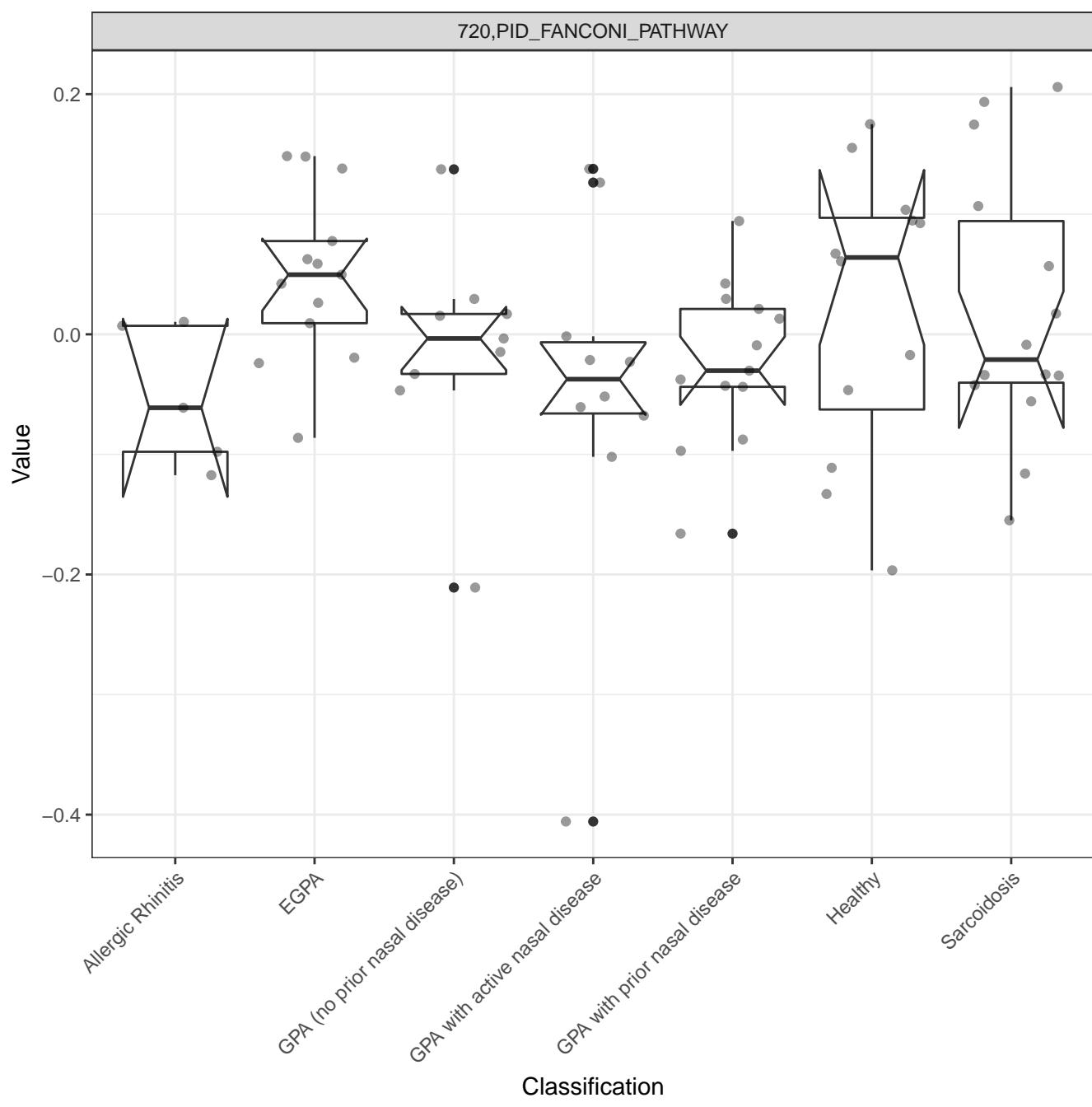
Sarcoidosis

Classification

Value



720,PID_FANCONI_PATHWAY



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

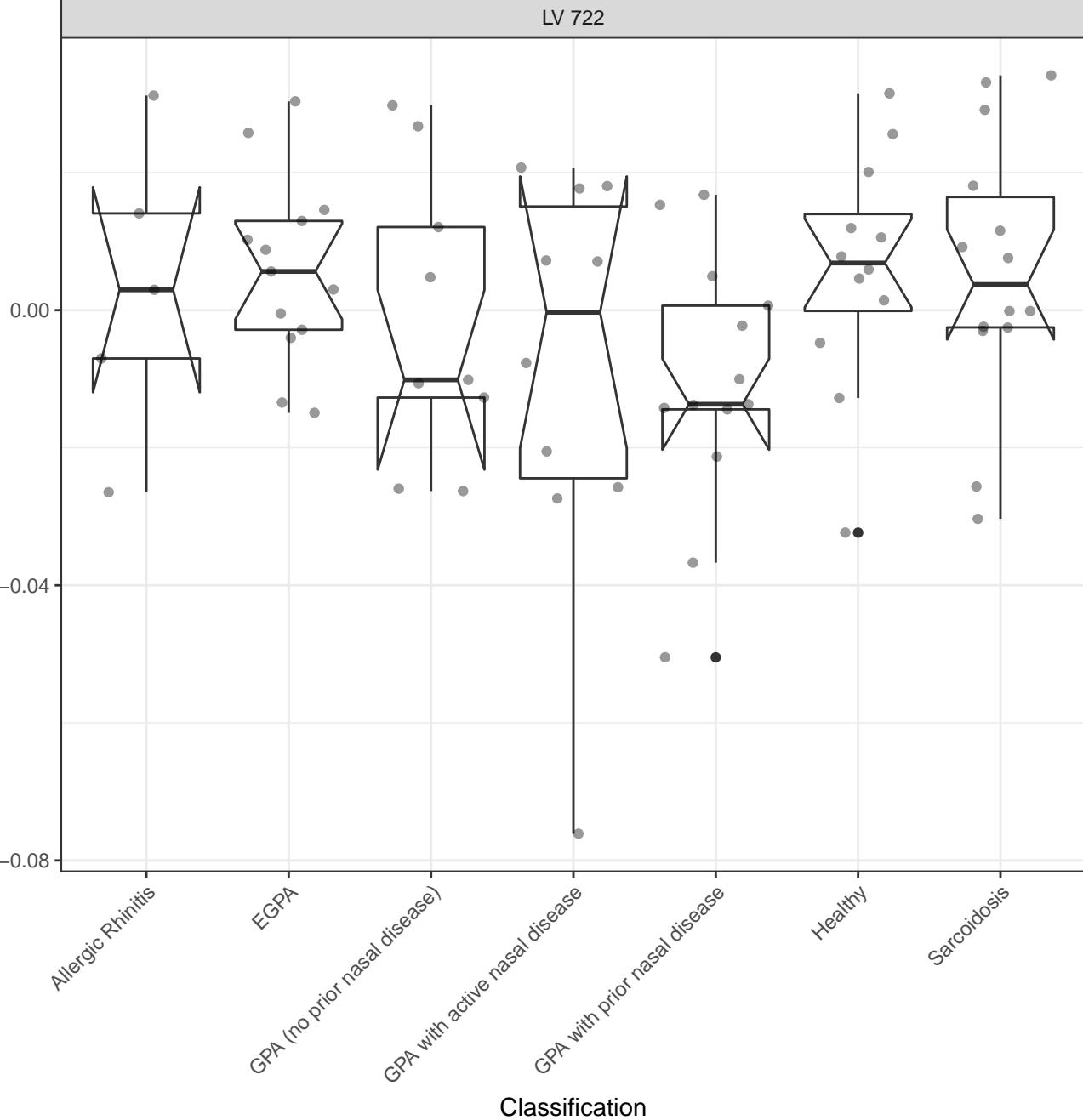
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

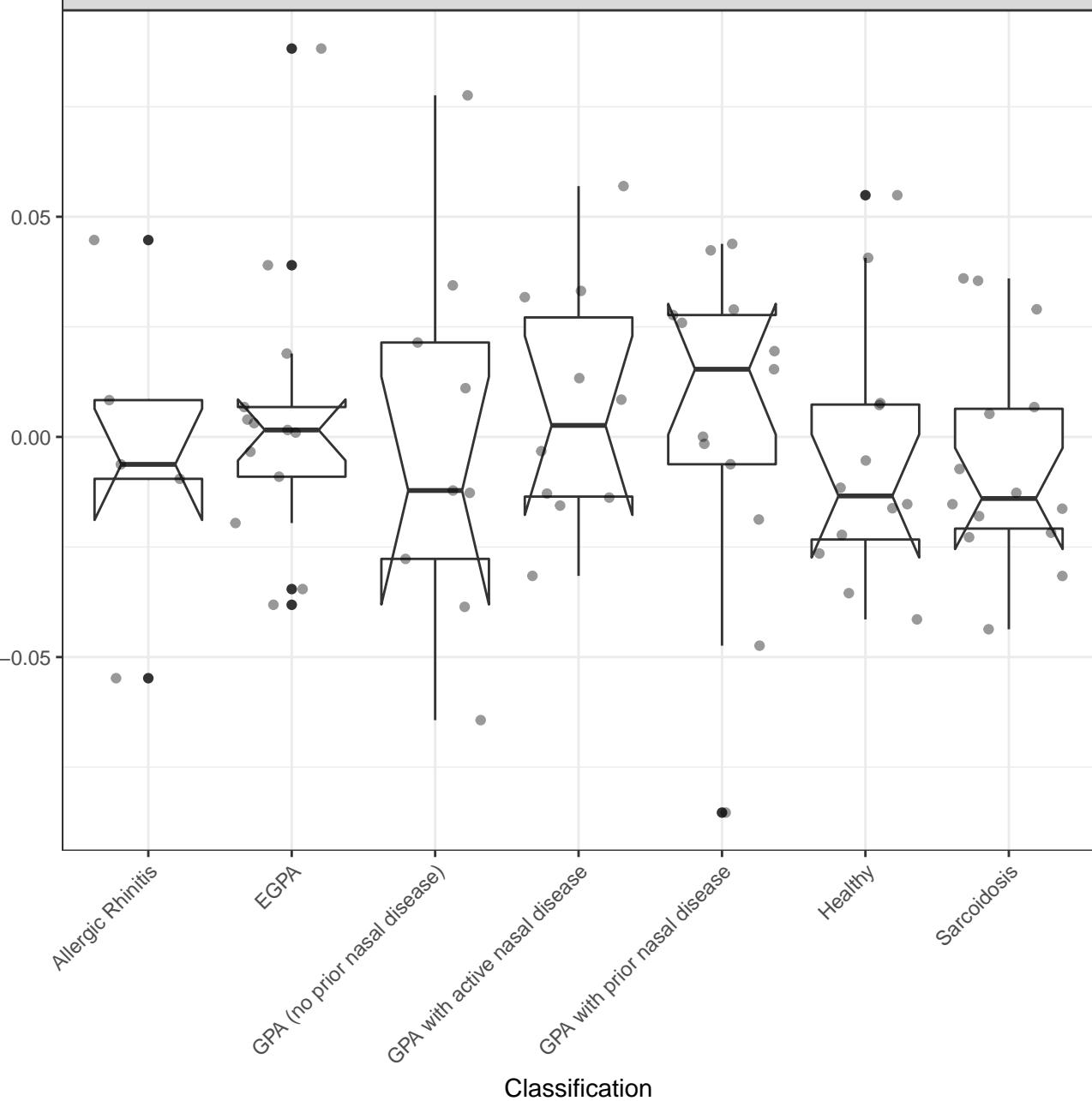
GPA with prior nasal disease

Healthy

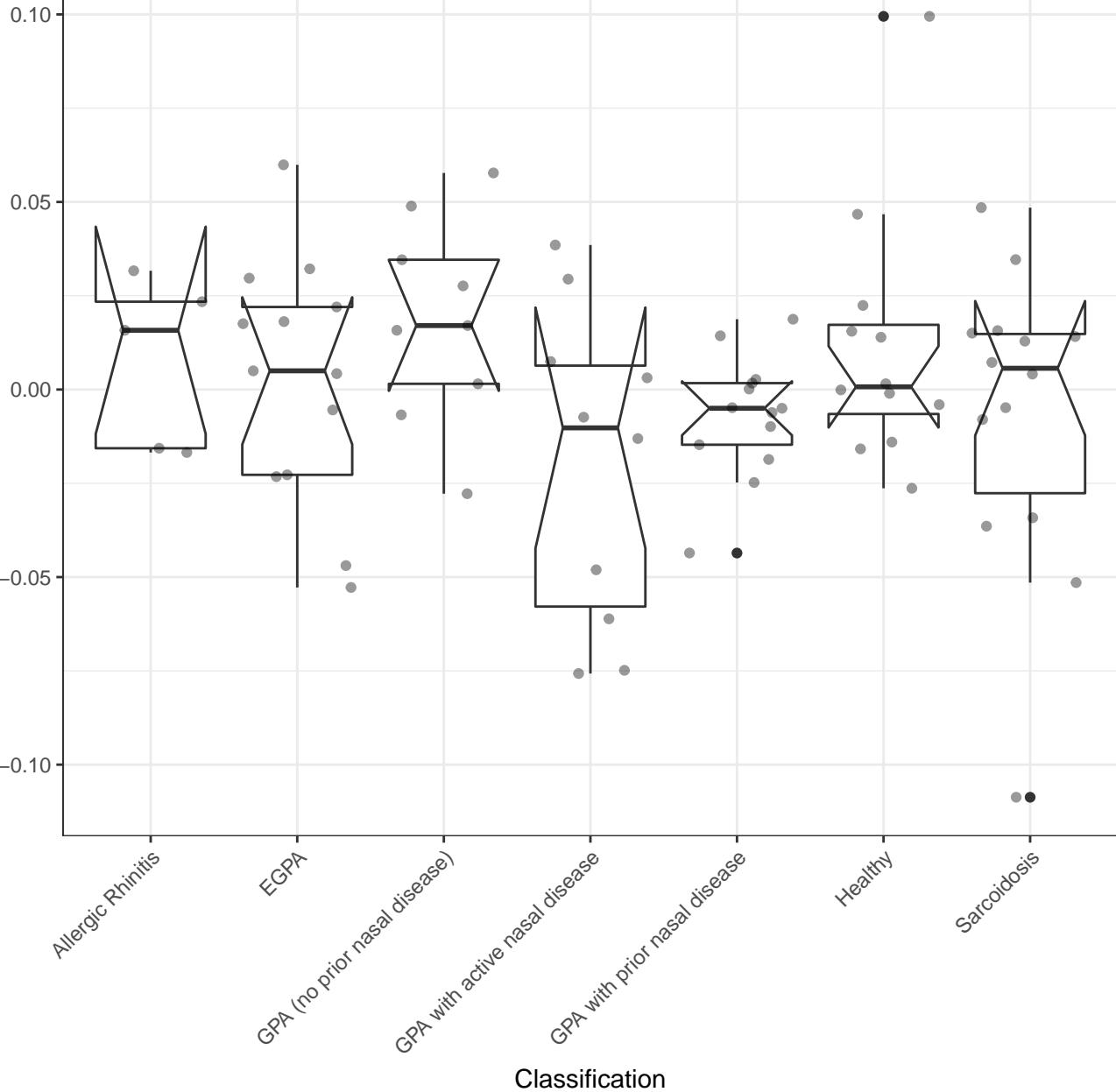
Sarcoidosis

Classification

Value



Value



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.15

0.10

0.05

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

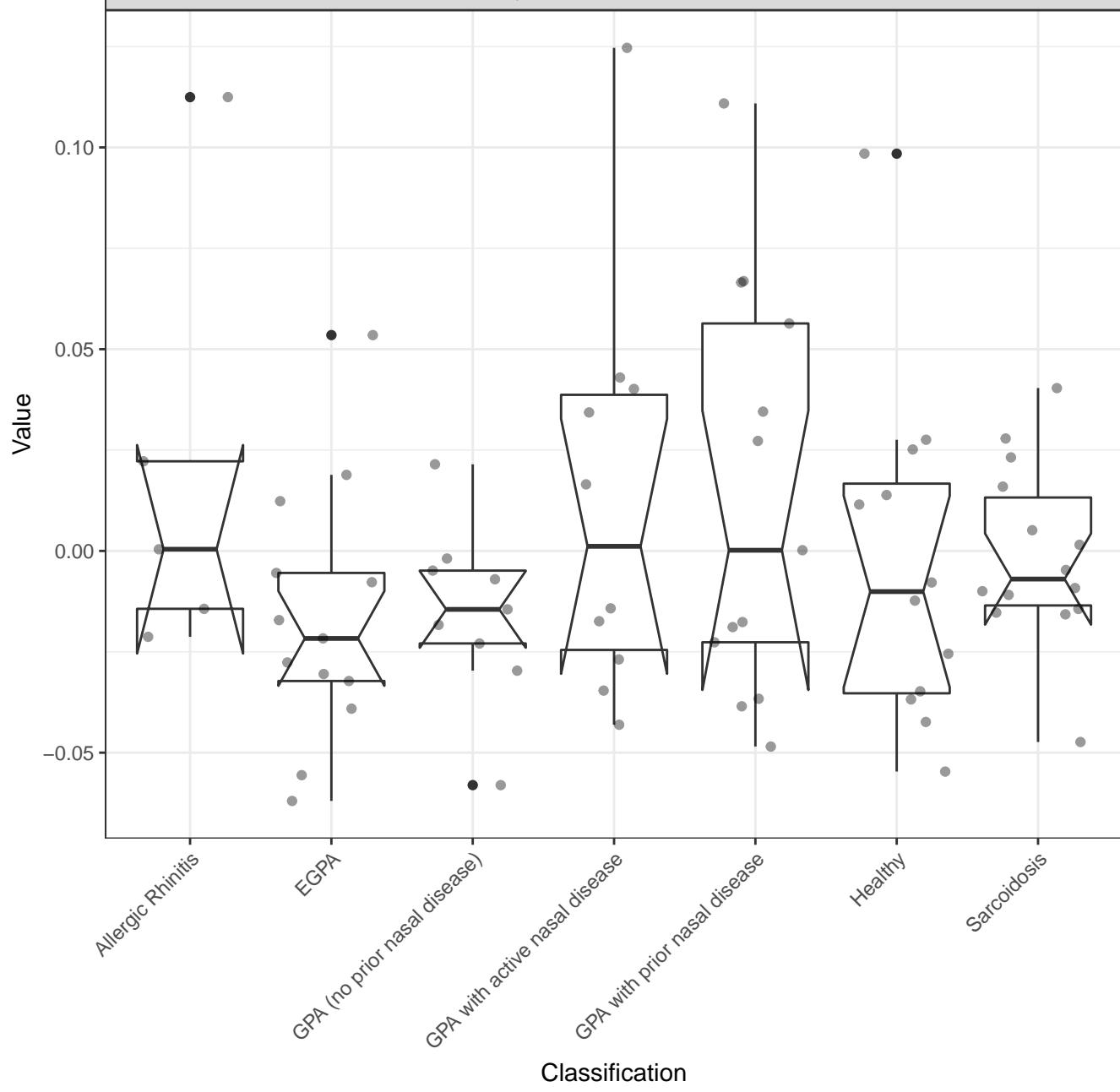
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

728,SVM Mast cells activated



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

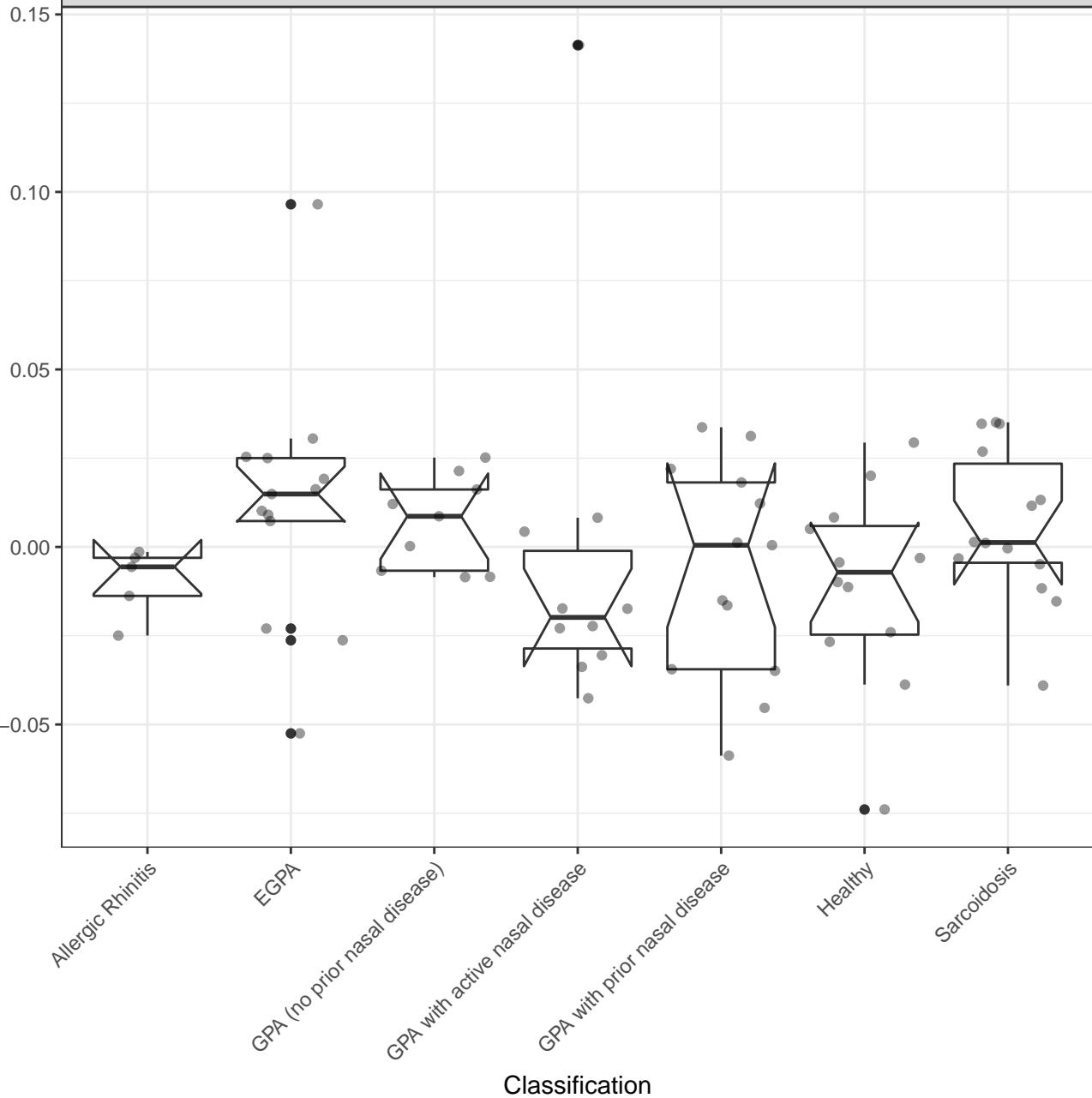
GPA with prior nasal disease

Healthy

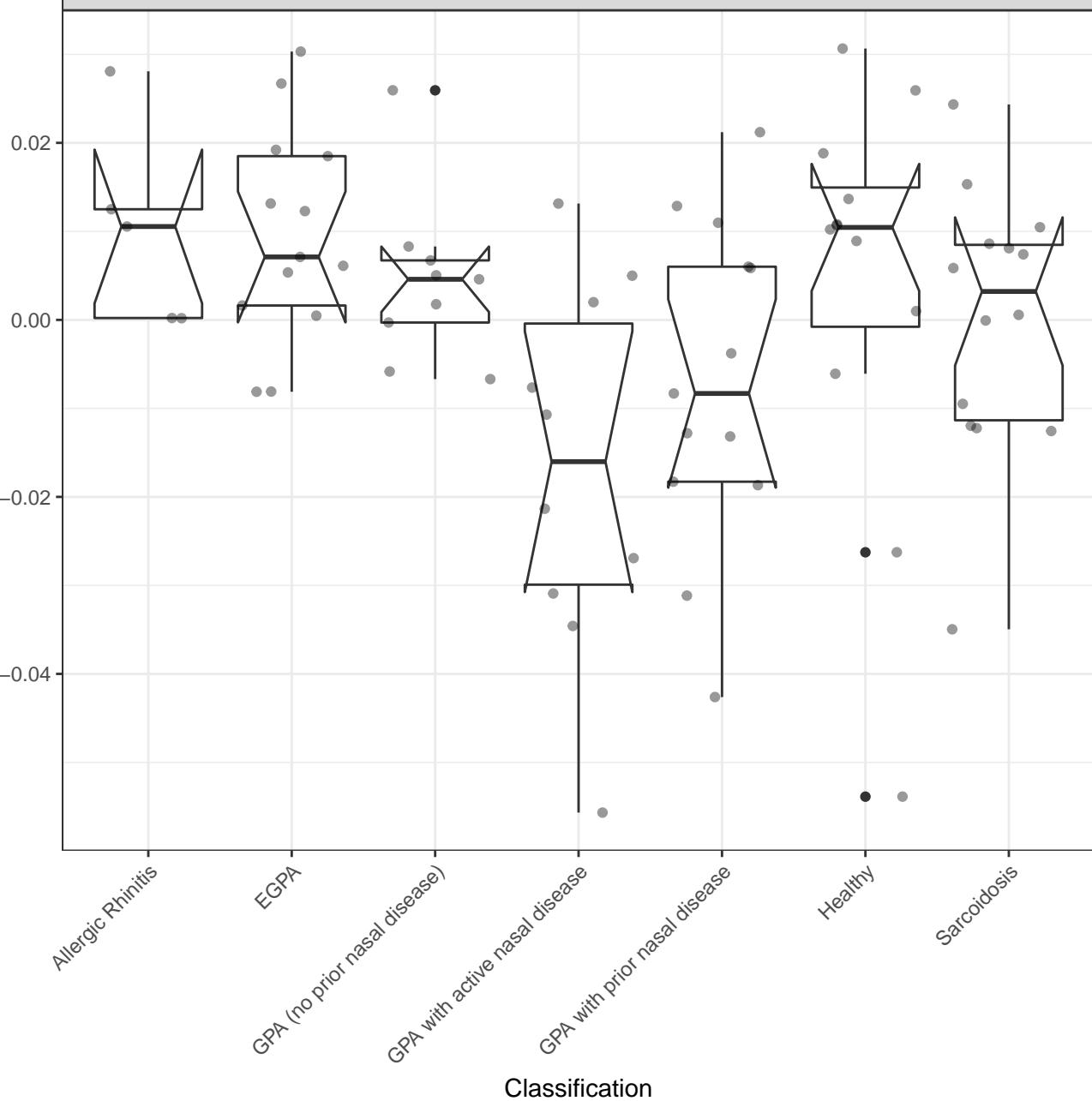
Sarcoidosis

Classification

Value



Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.15

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

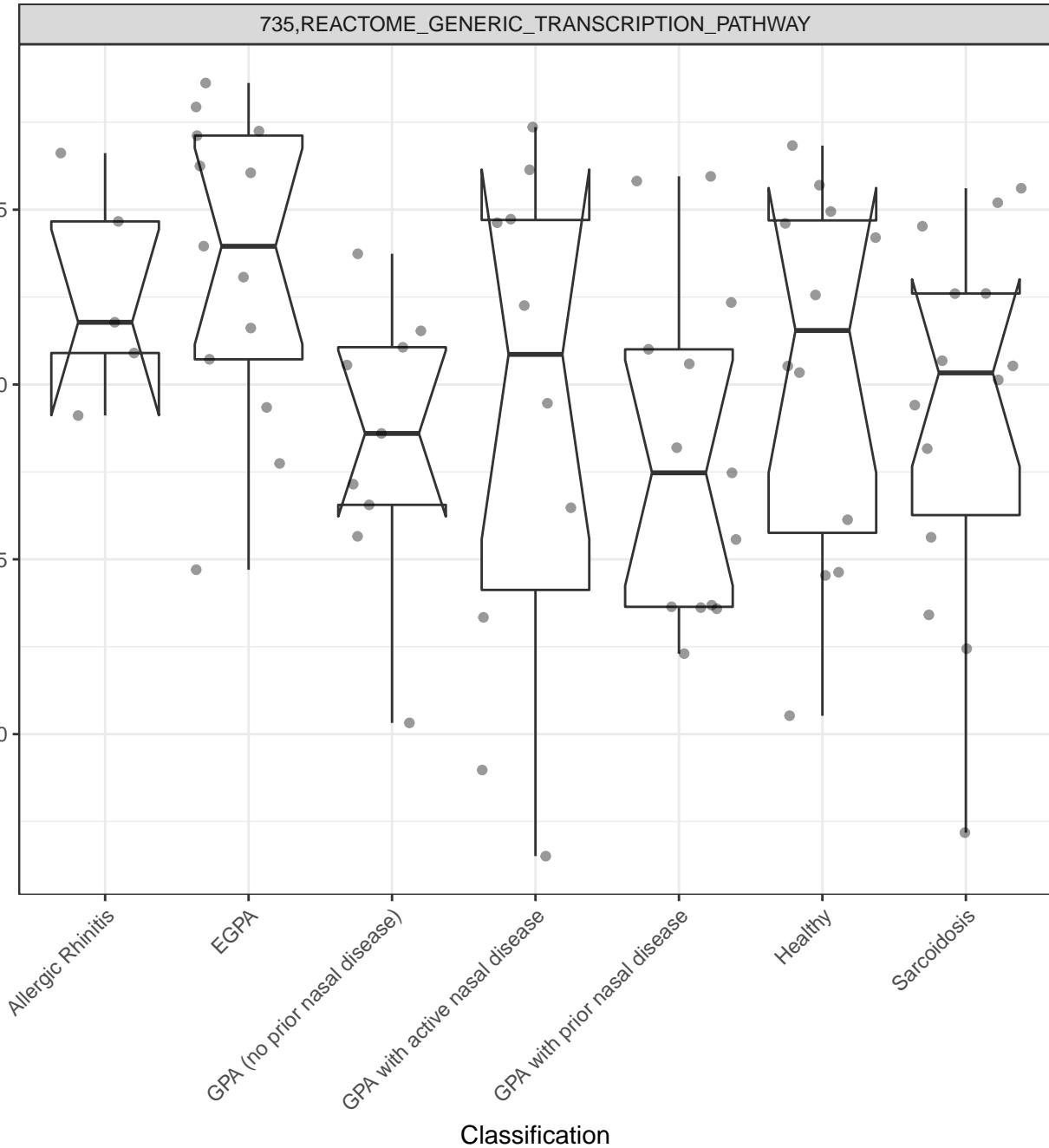
Healthy

Sarcoidosis

Classification

735,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

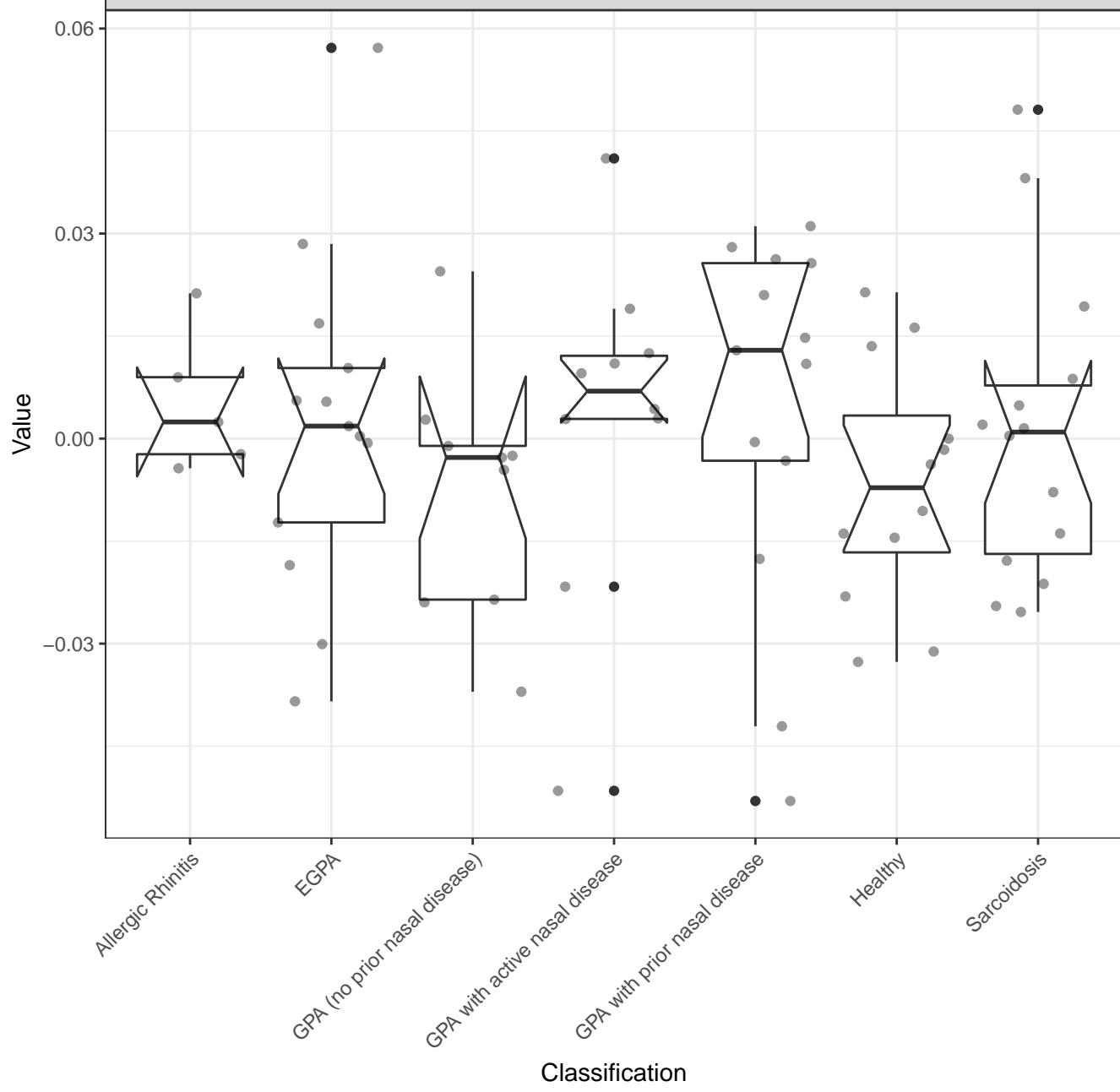
GPA with active nasal disease

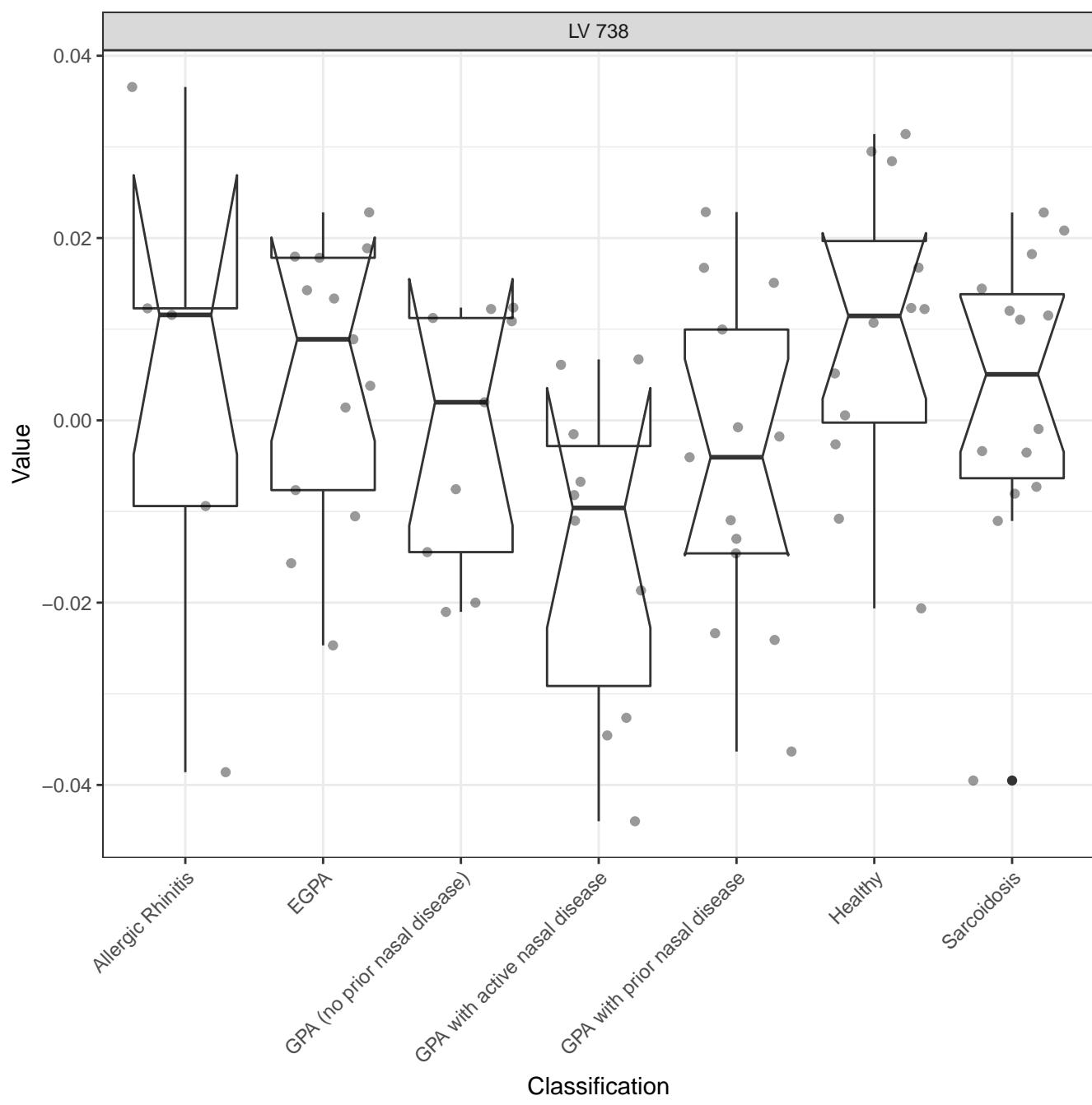
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





739,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value

0.1

0.0

-0.1

-0.2

-0.3

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

743,MIPS_55S_RIBOSOME MITOCHONDRIAL

Value

0.2

0.0

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

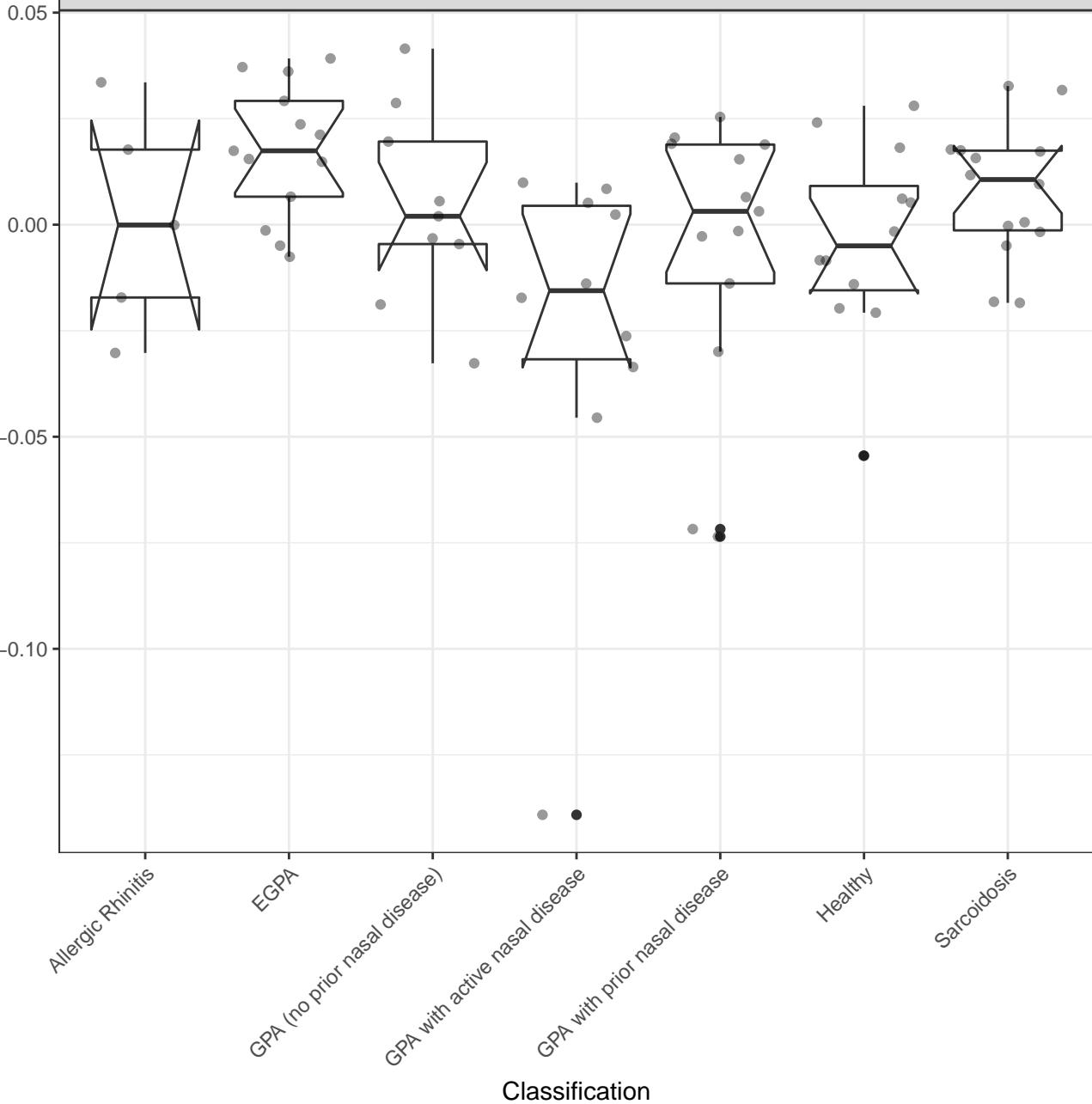
Healthy

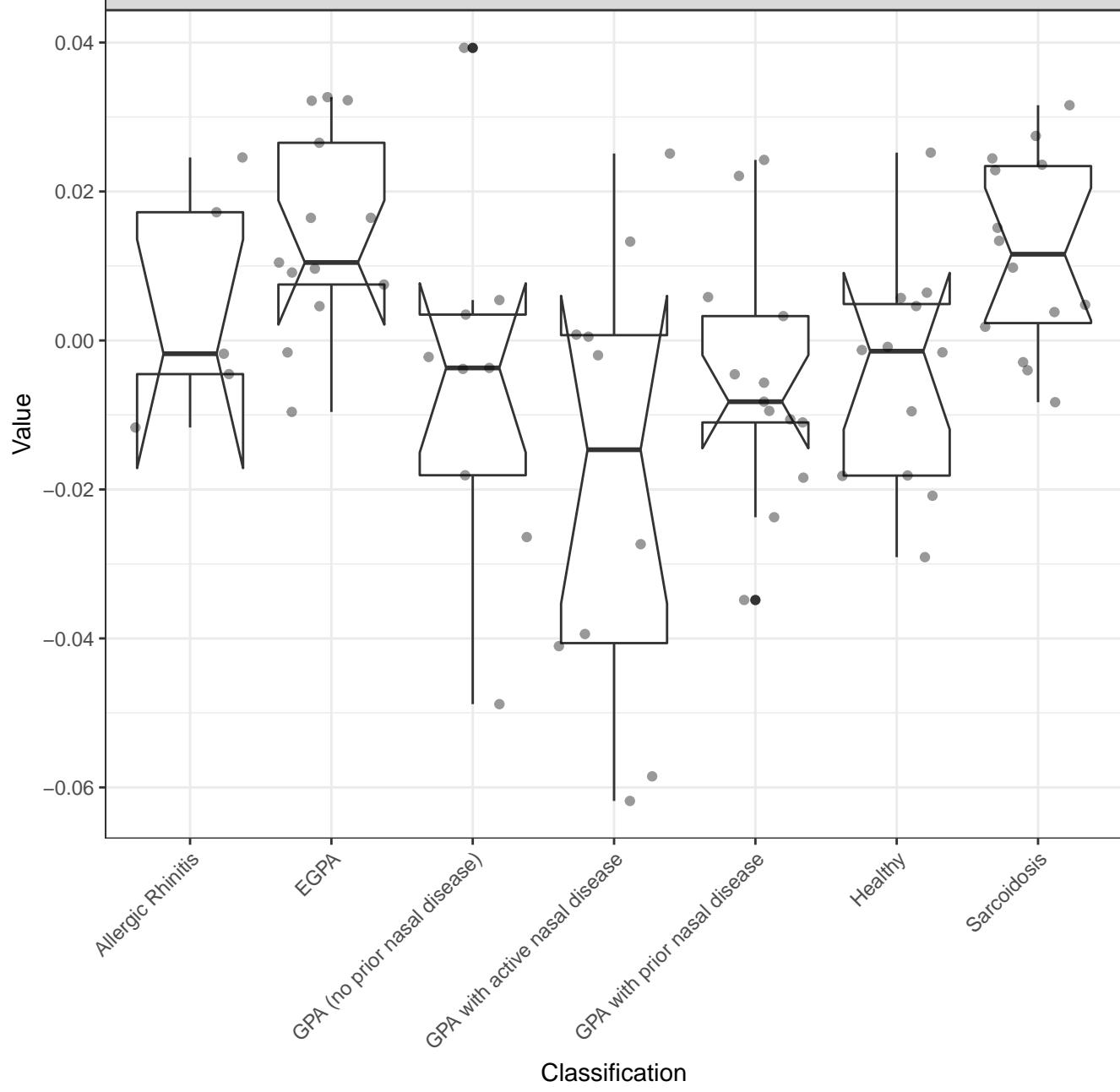
Sarcoidosis

Classification

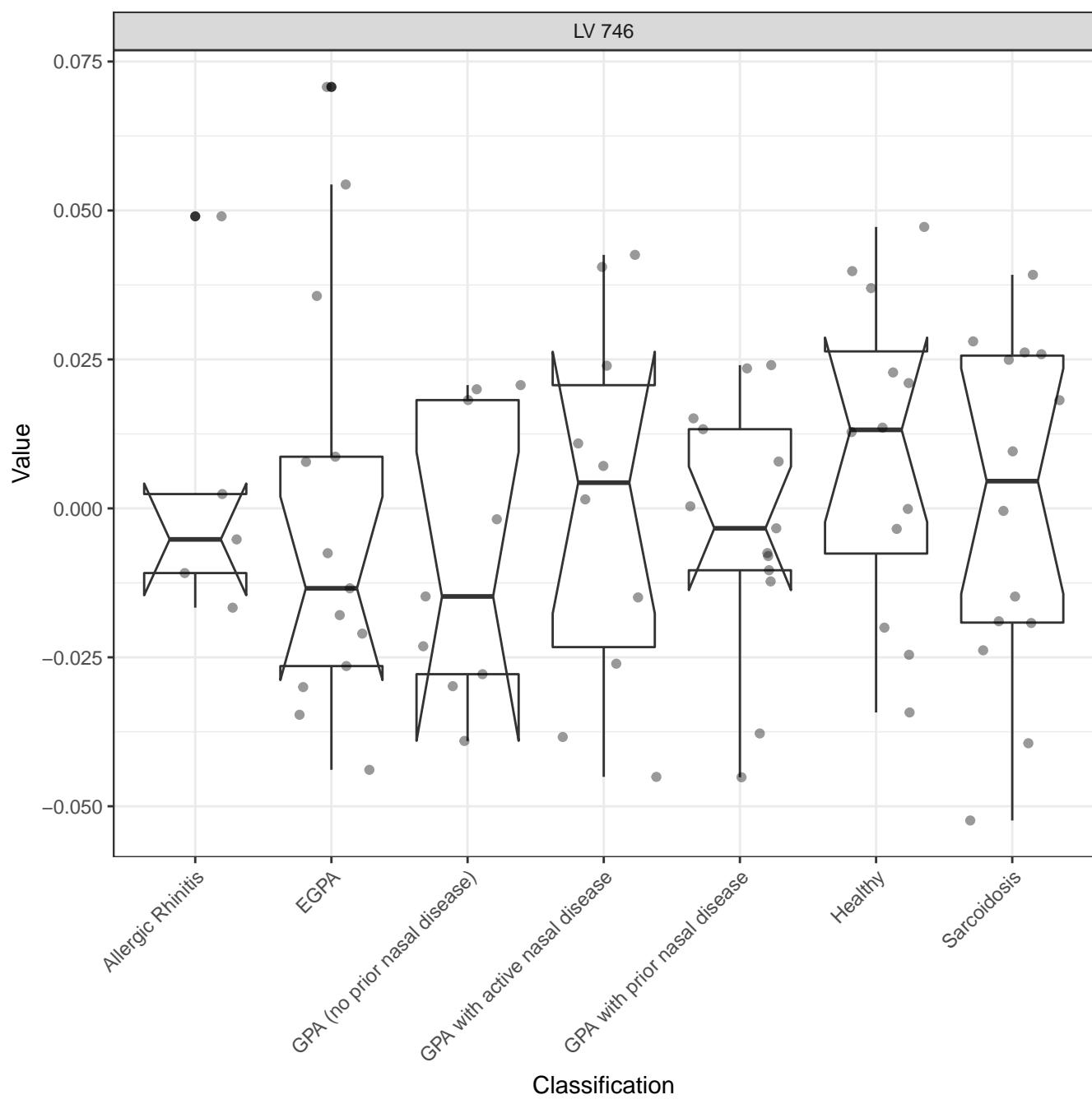
LV 744

Value





LV 746



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

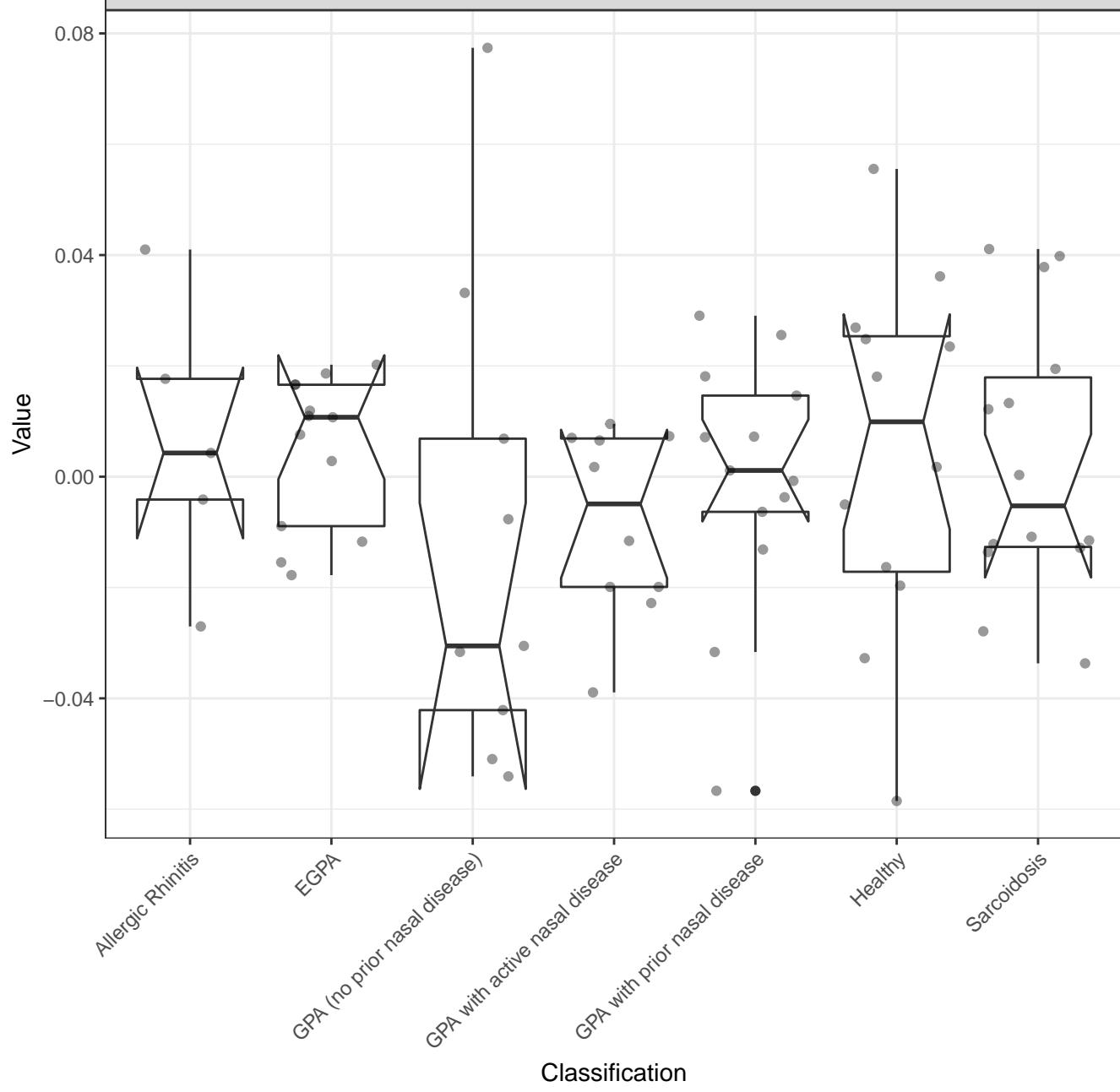
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

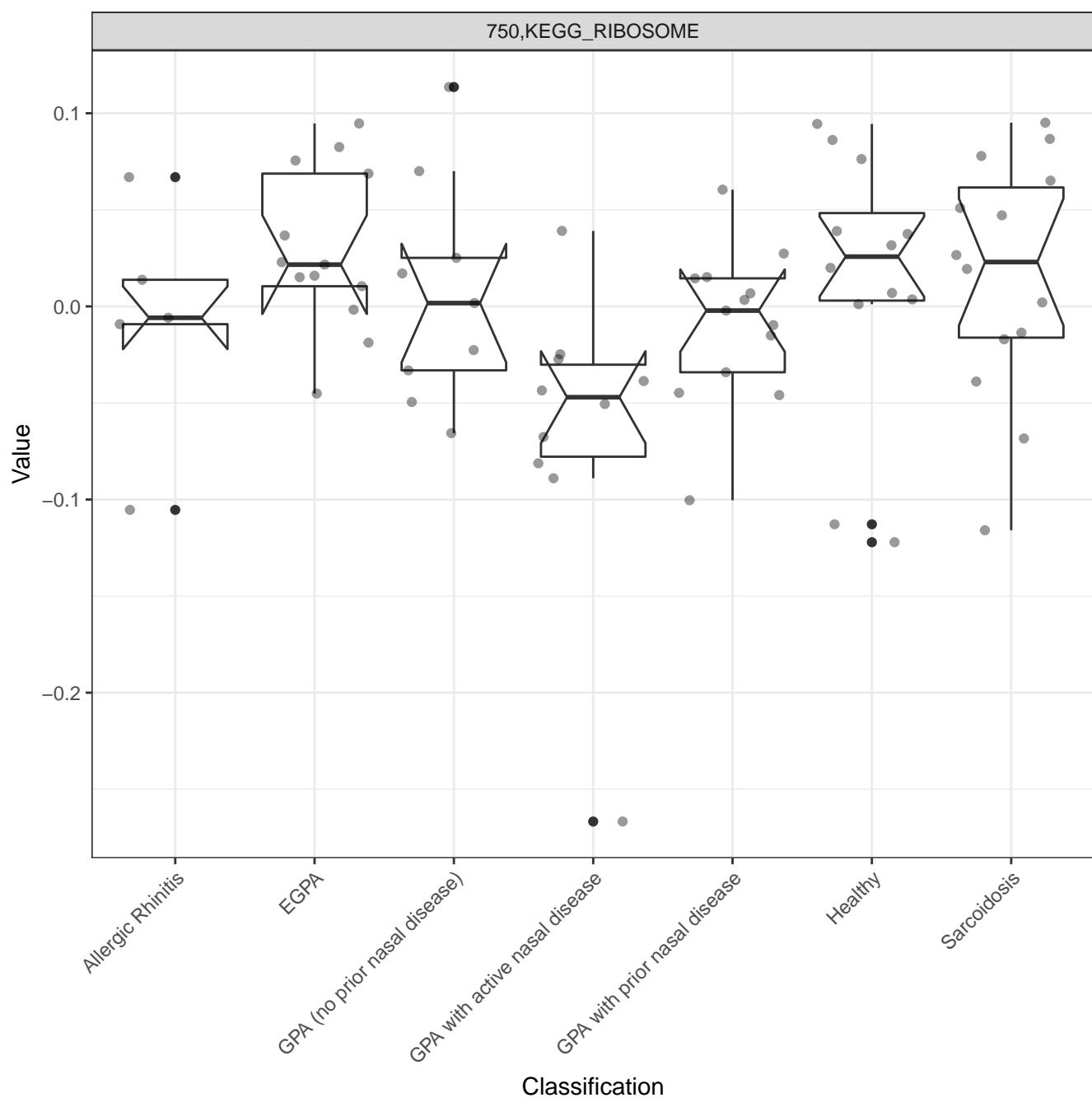
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

750,KEGG_RIBOSOME



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

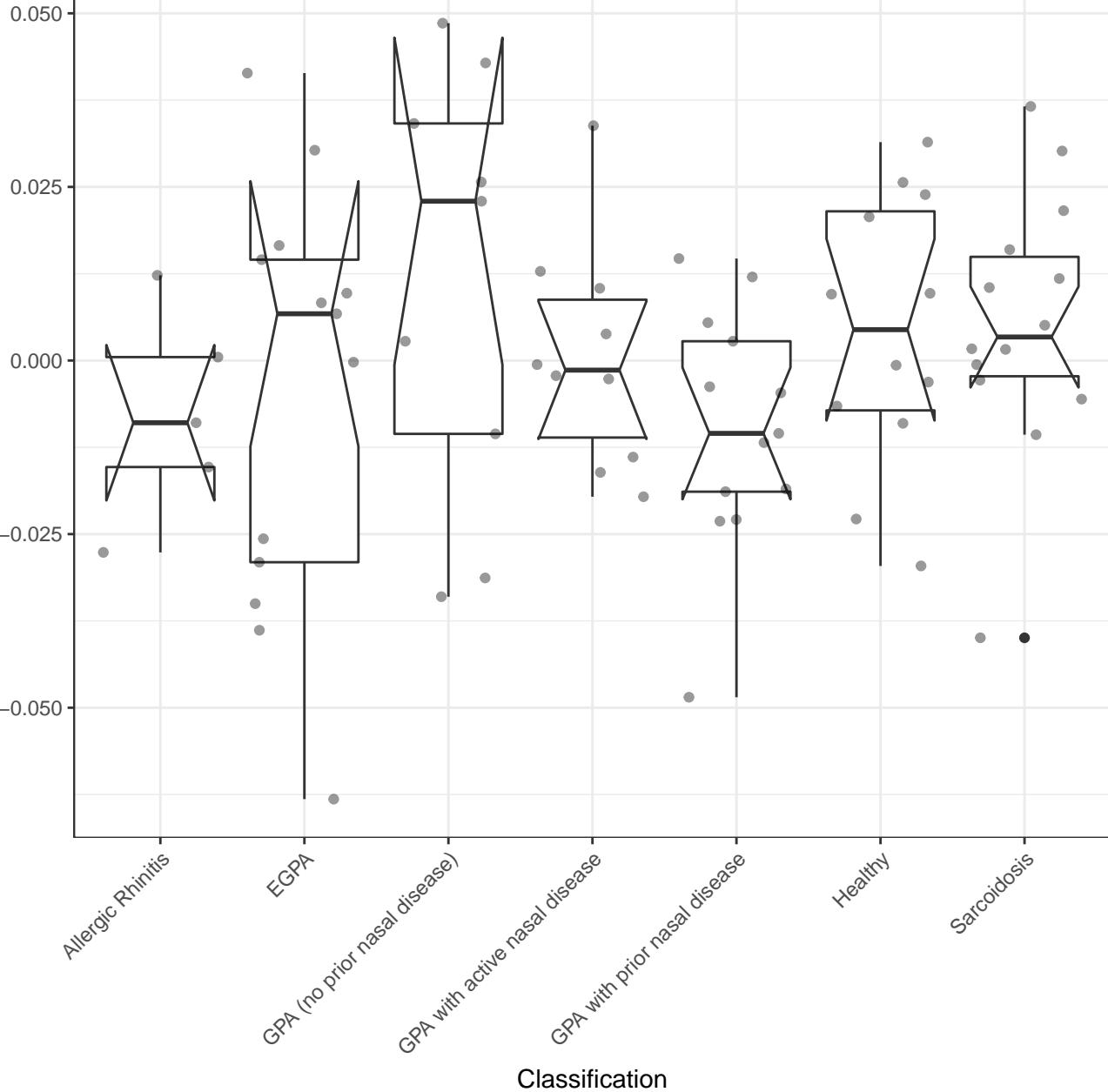
GPA with prior nasal disease

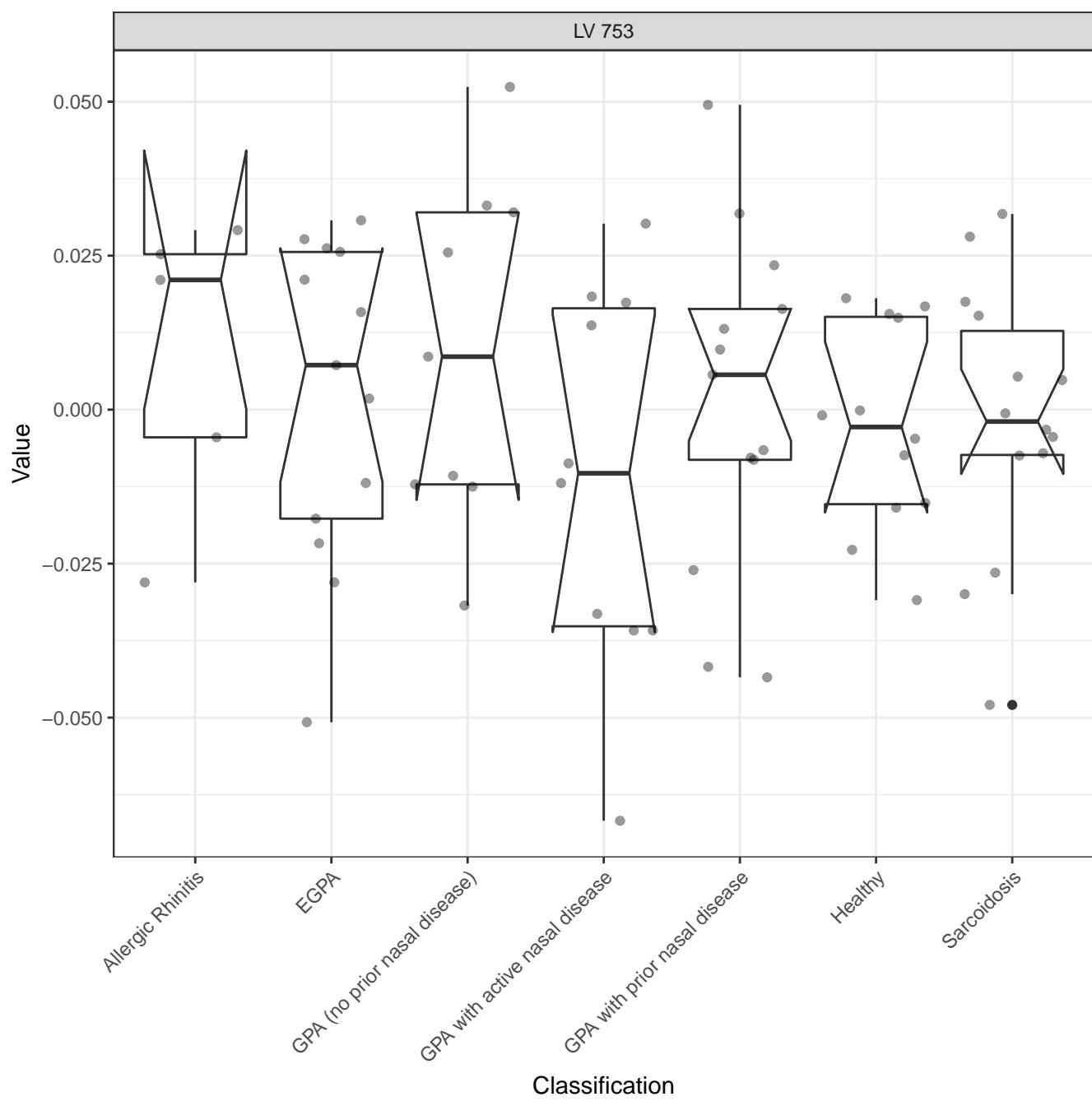
Healthy

Sarcoidosis

Classification

Value





LV 754

Value

0.15

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

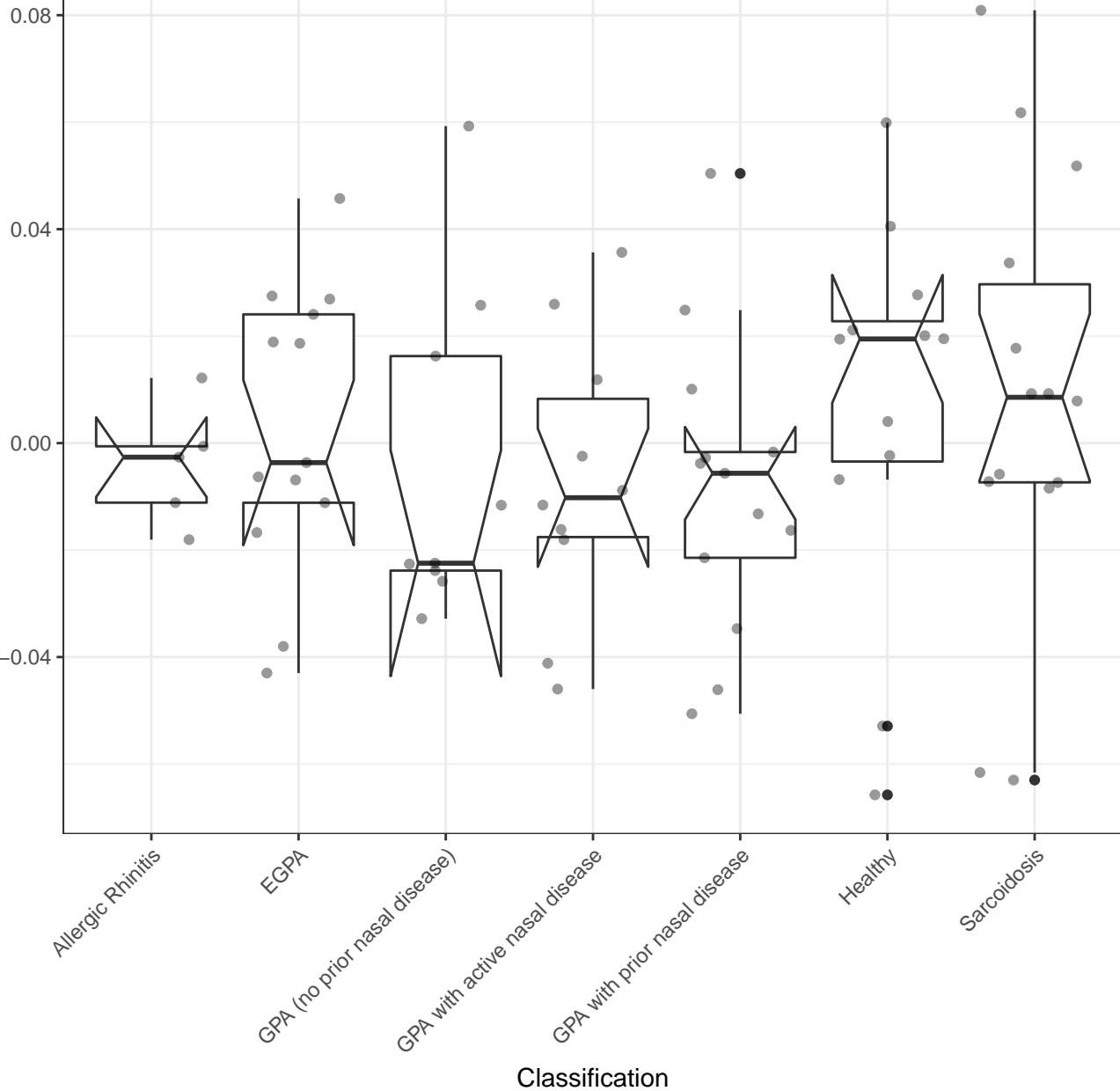
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

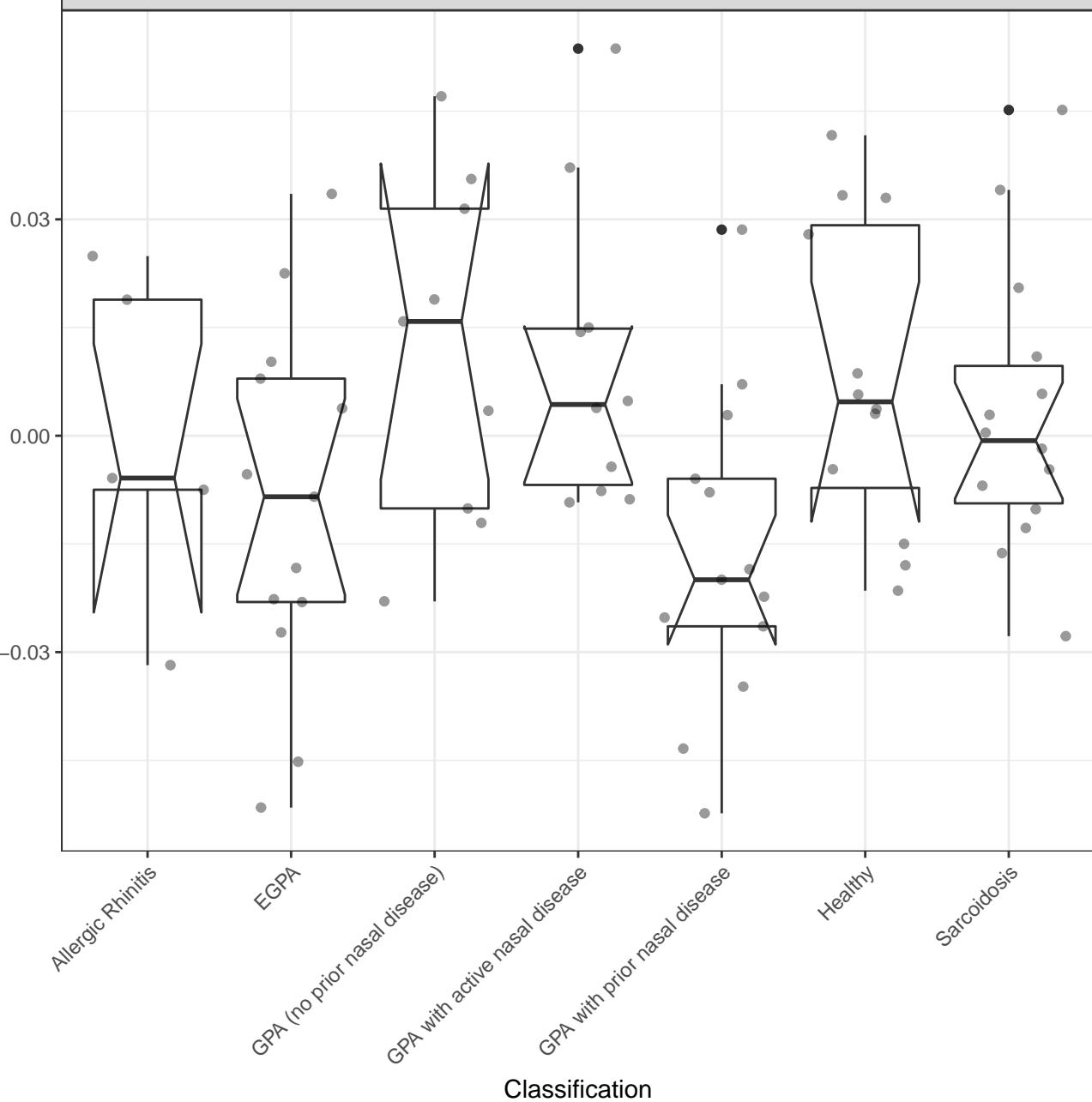
GPA with prior nasal disease

Healthy

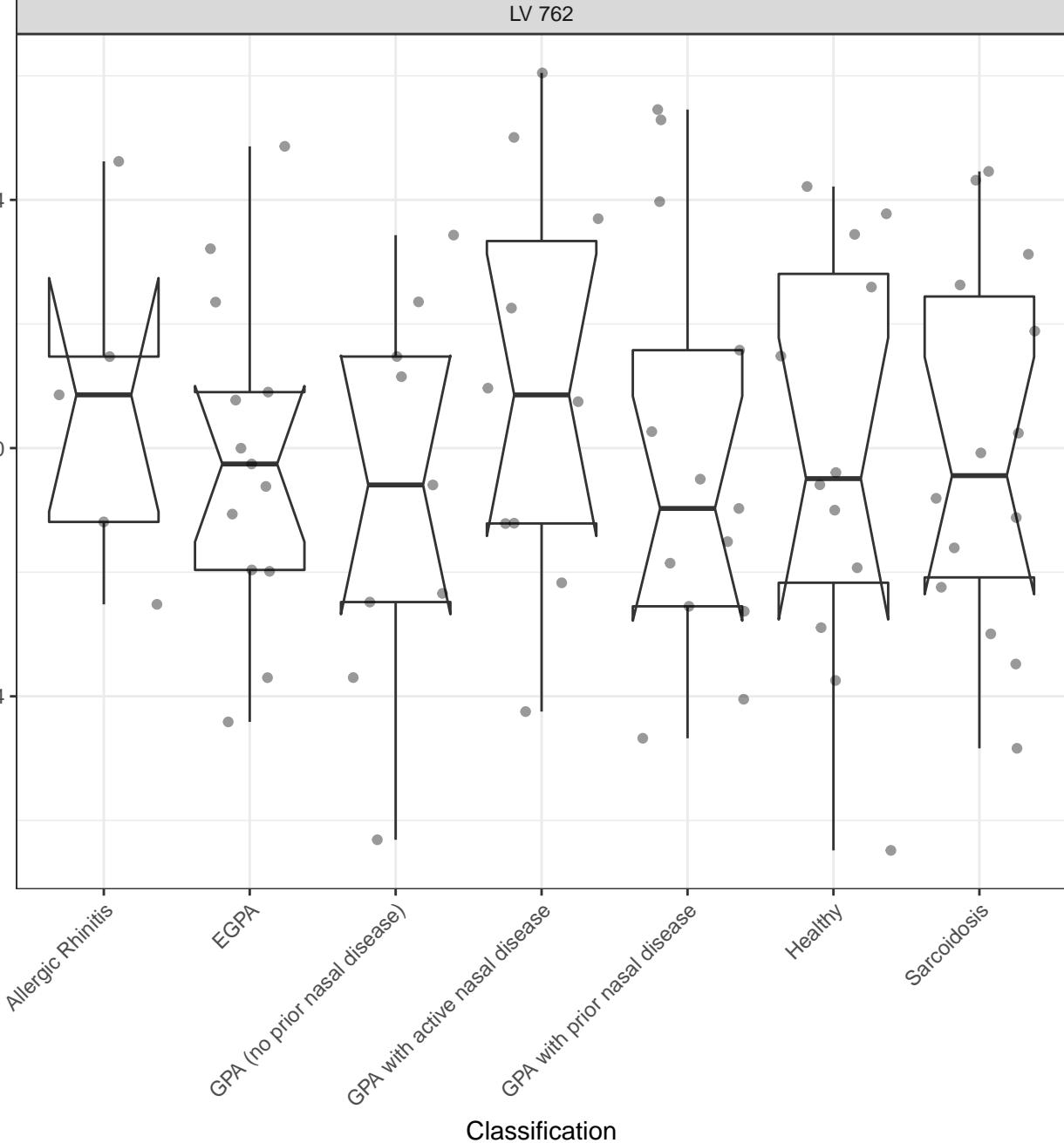
Sarcoidosis

Classification

Value



Value



Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

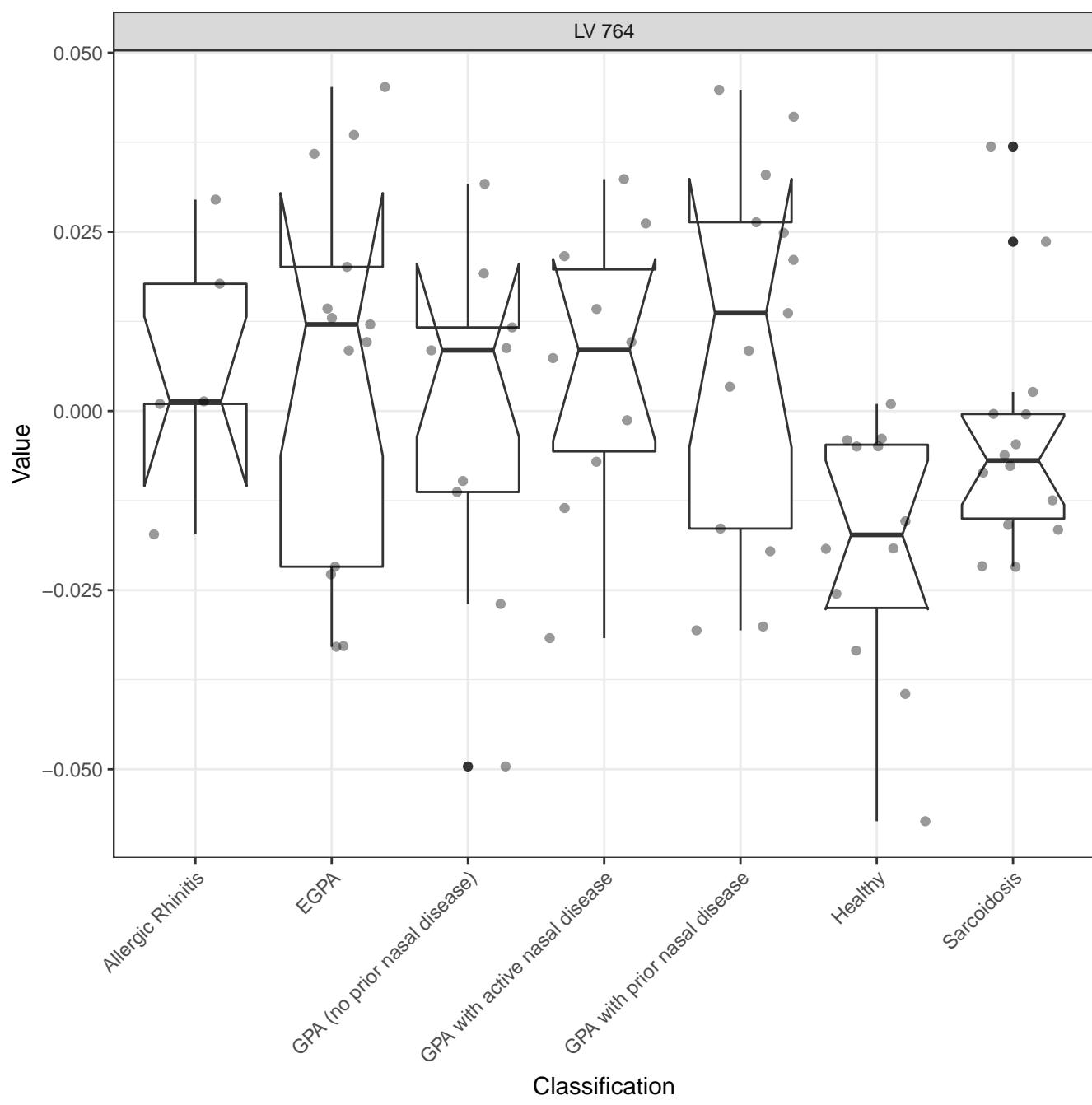
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



765,SVM NK cells resting

Value

0.3

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

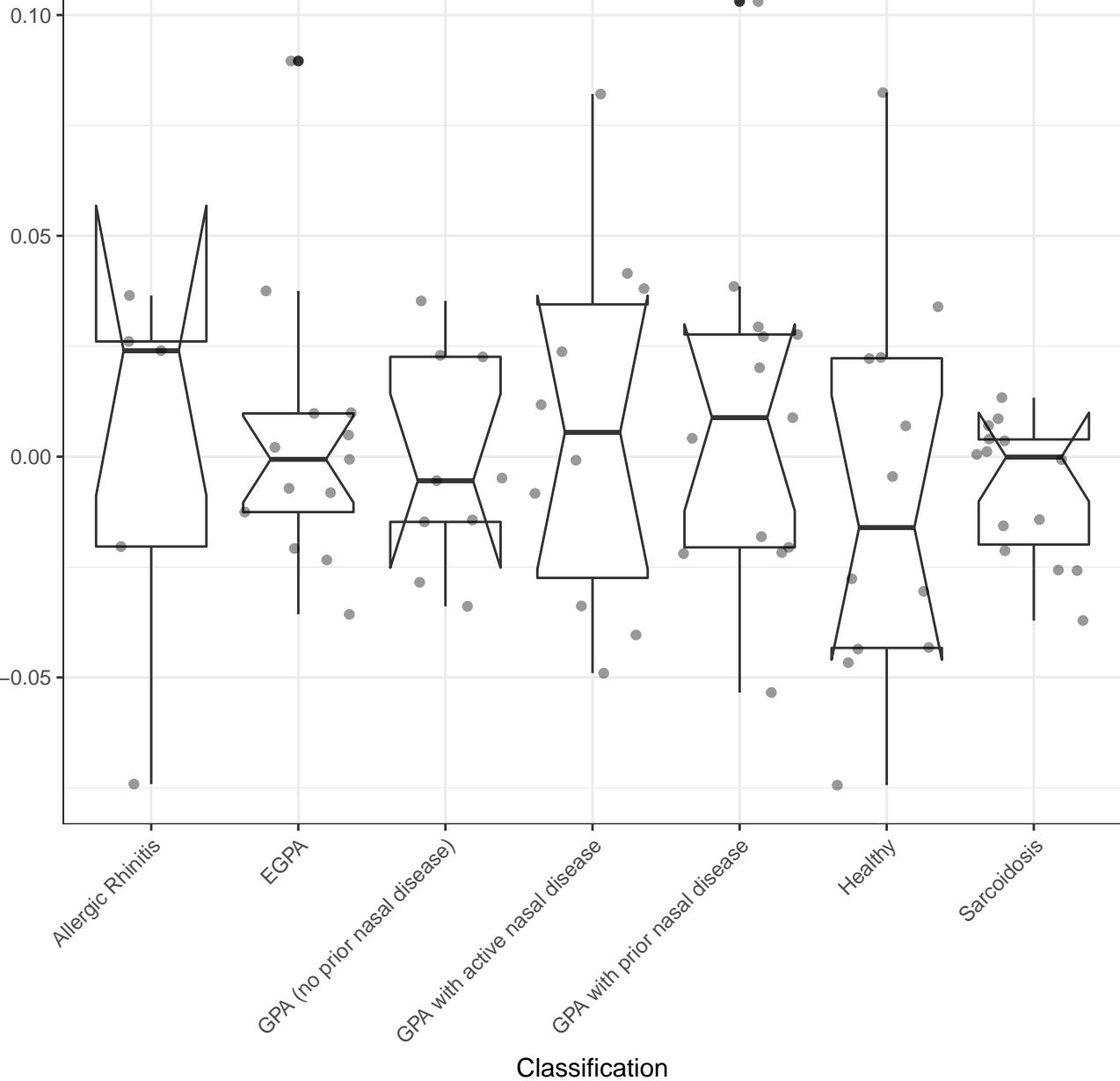
Healthy

Sarcoidosis

Classification

766,KEGG_DILATED_CARDIOMYOPATHY

Value



767,SVM B cells naive

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

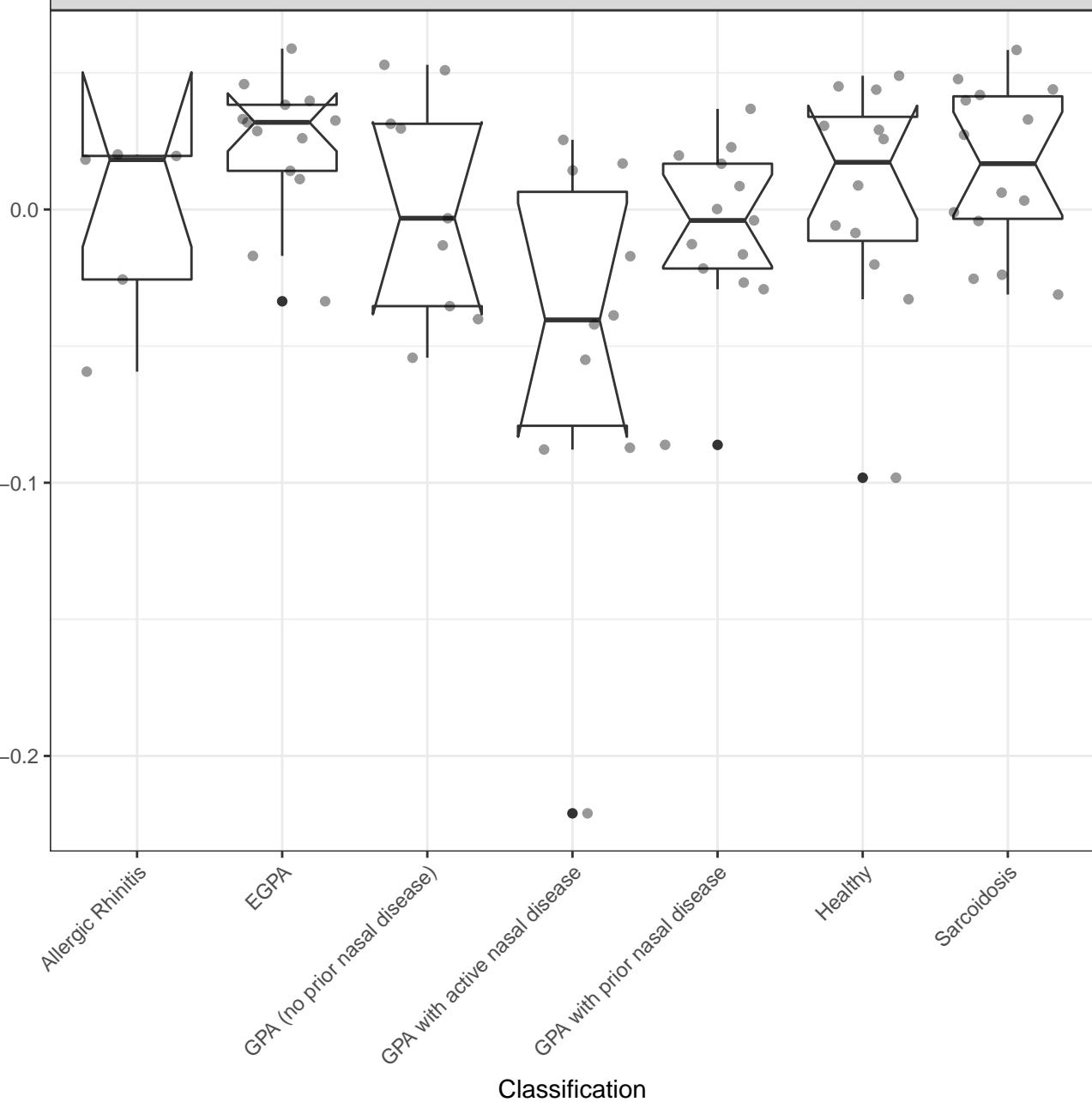
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

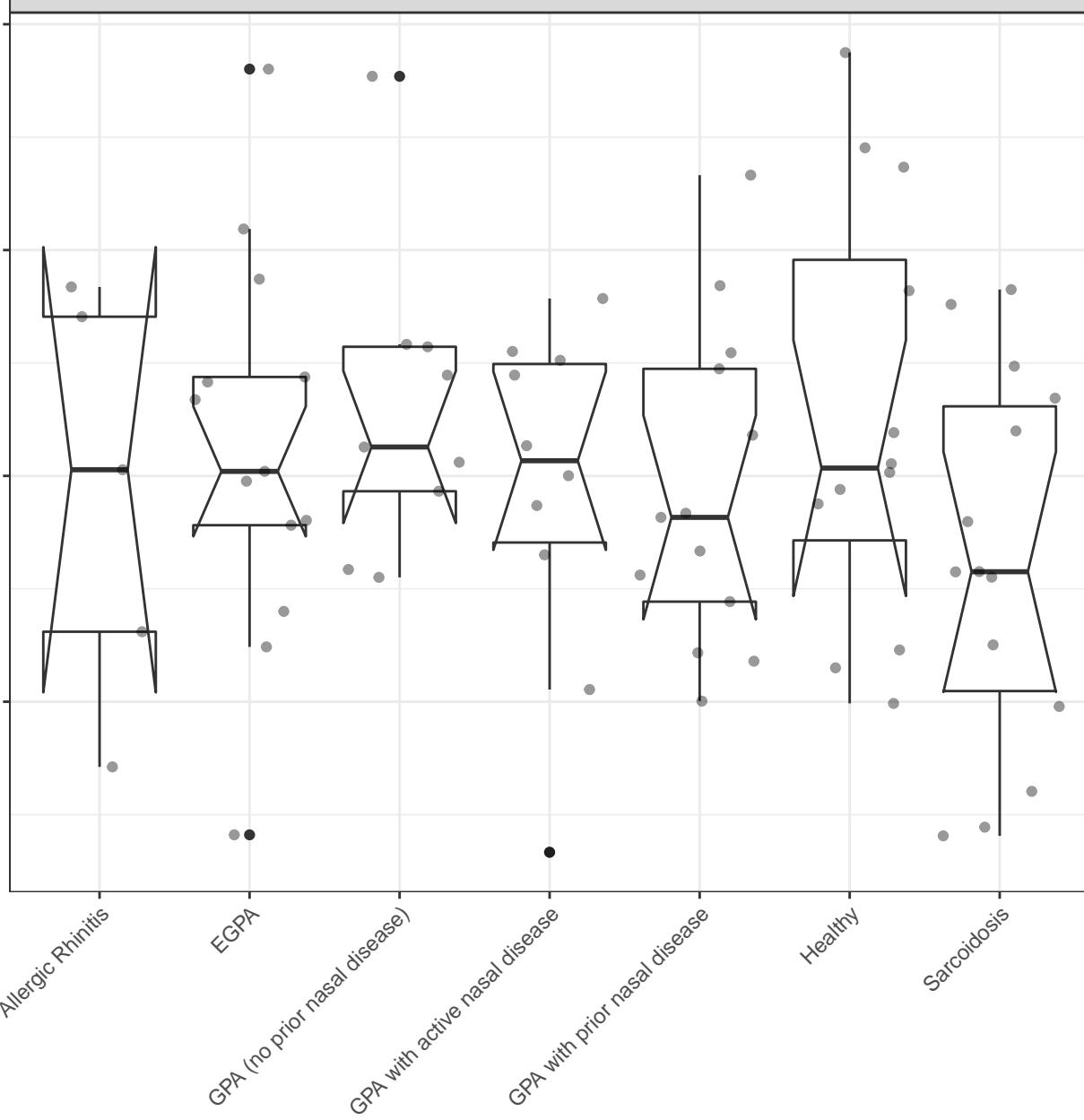
GPA with active nasal disease

GPA with prior nasal disease

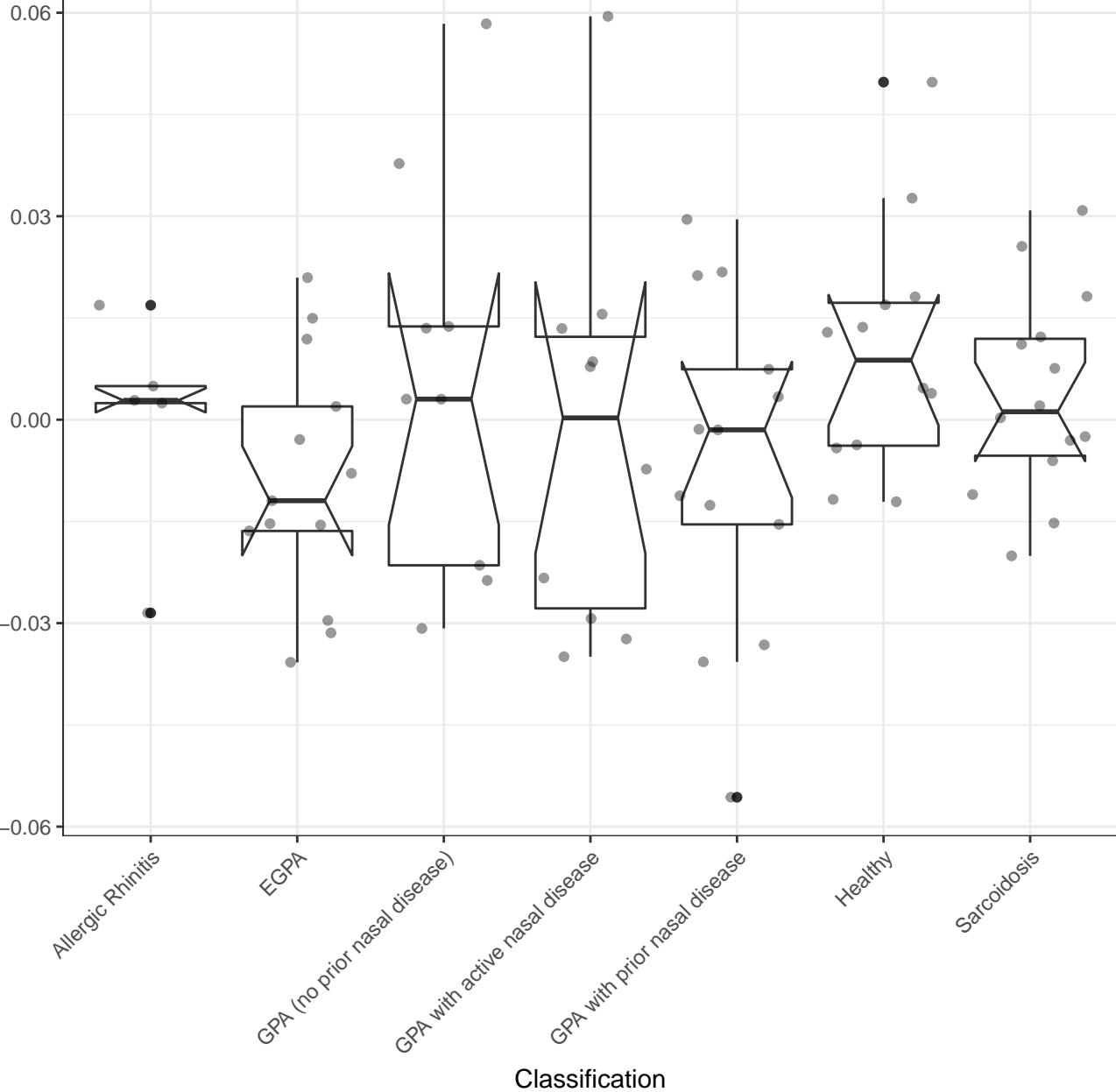
Healthy

Sarcoidosis

Classification



Value



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.02

0.00

-0.02

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

777,PID_P53DOWNSTREAMPATHWAY

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

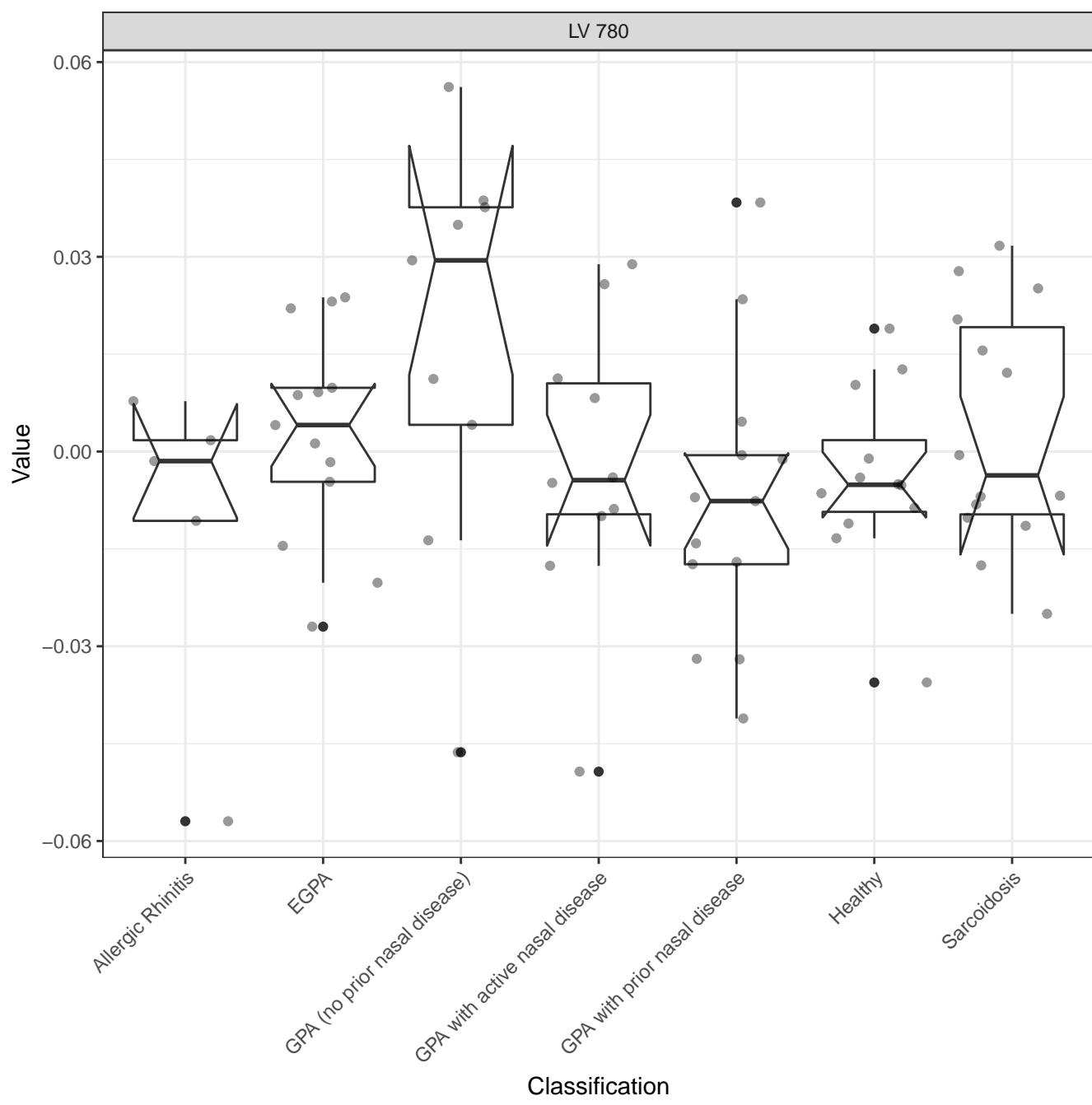
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

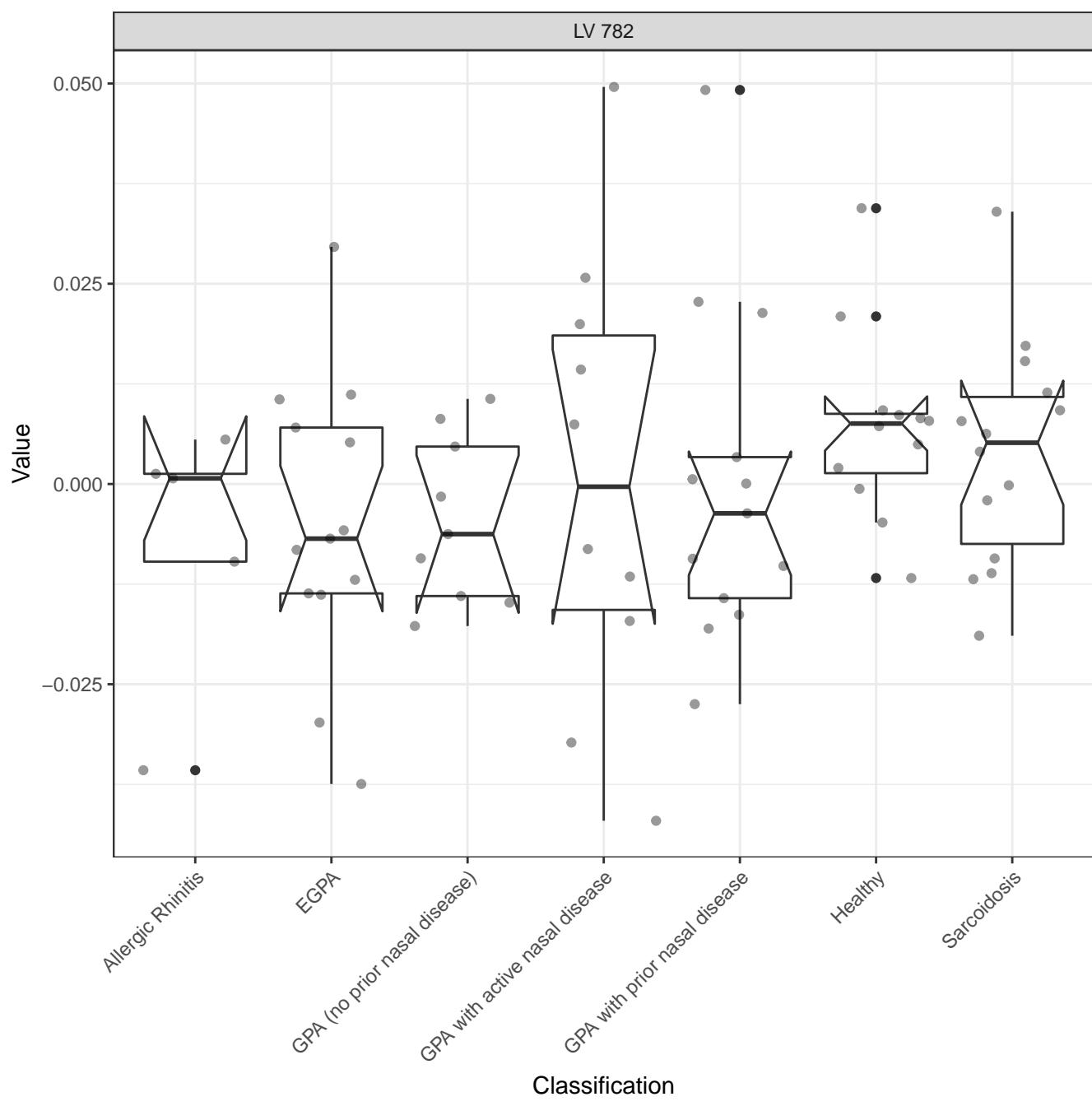
GPA with prior nasal disease

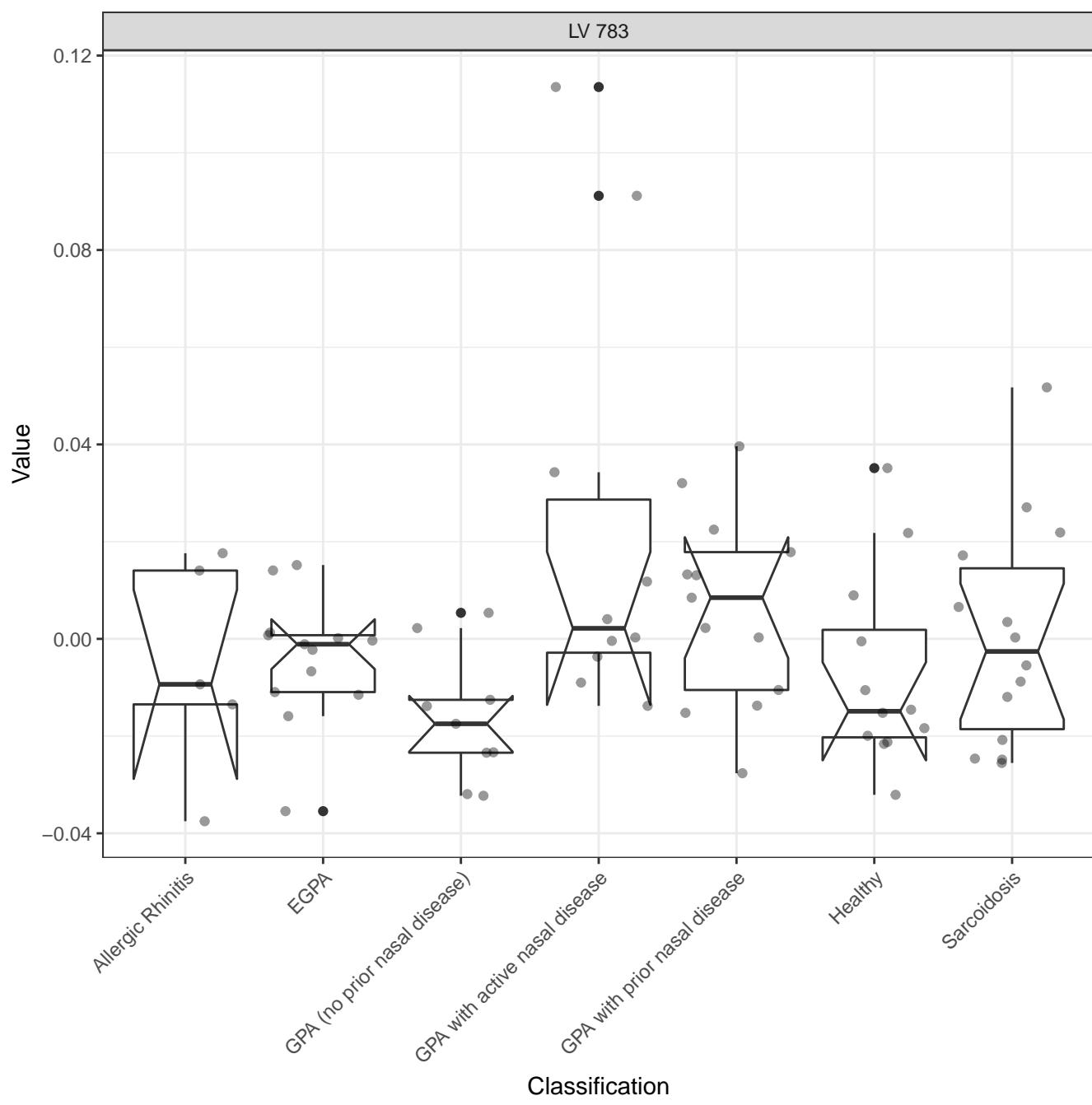
Healthy

Sarcoidosis

Classification

LV 782





Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.050

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

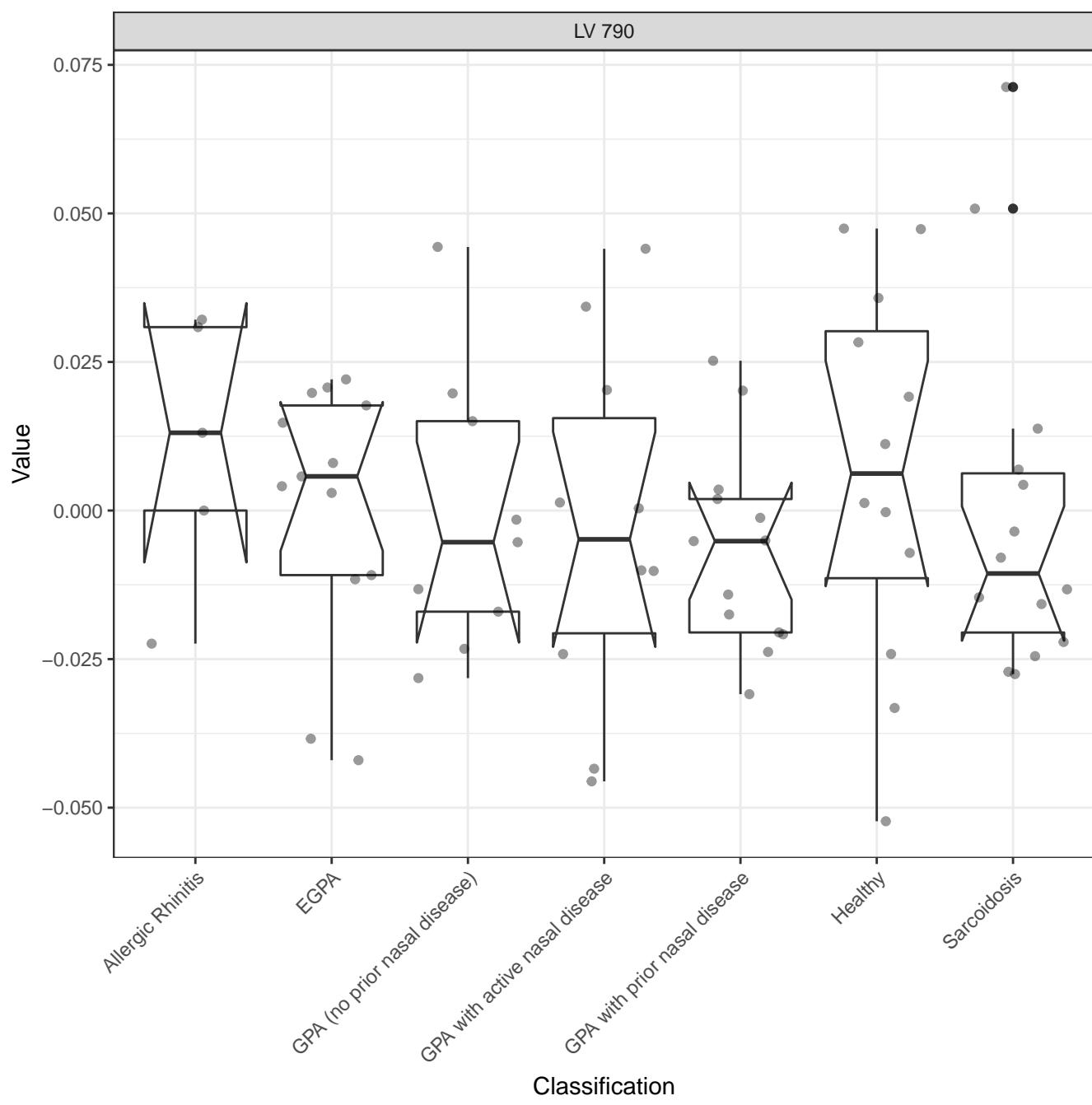
GPA with active nasal disease

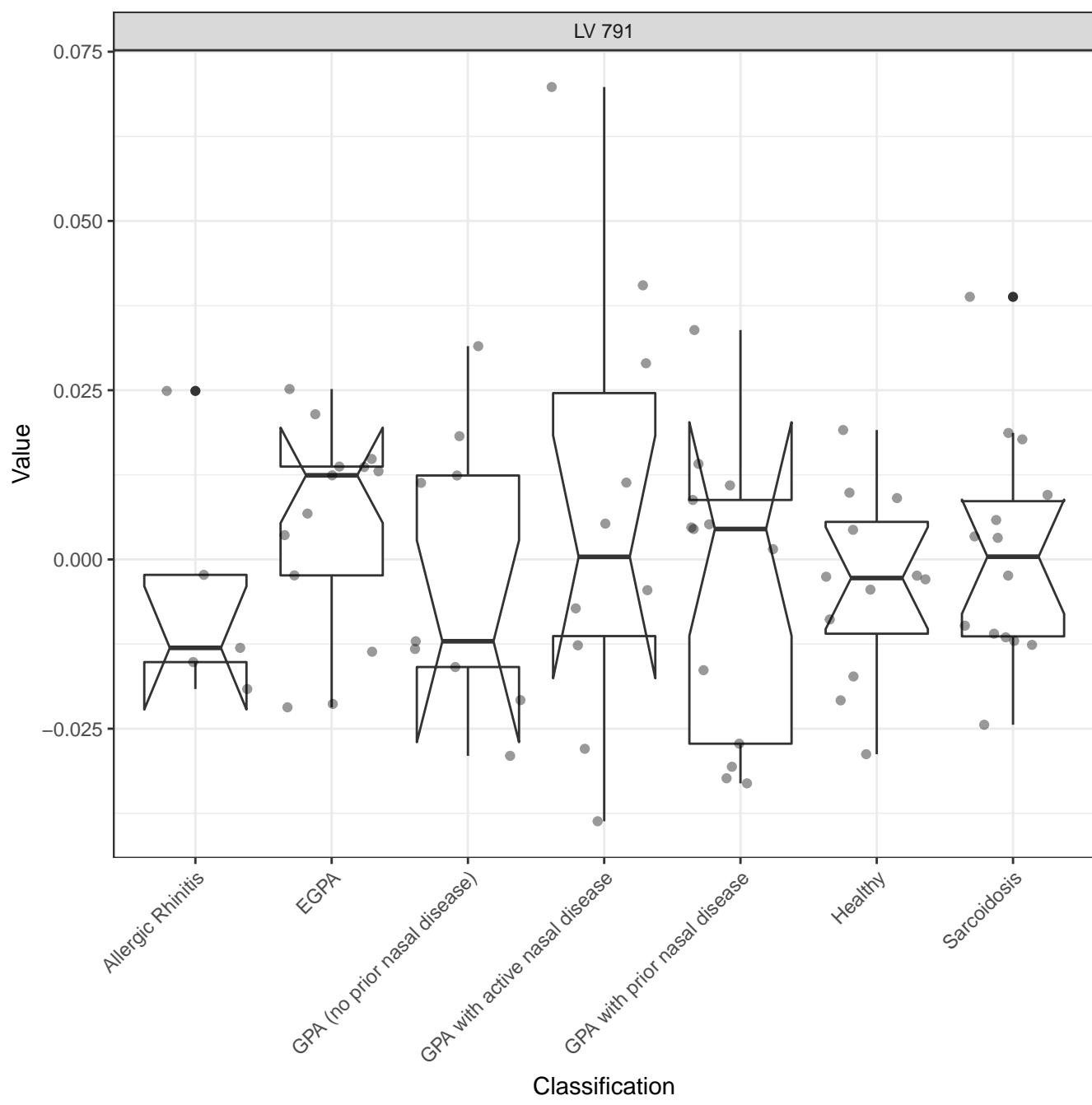
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

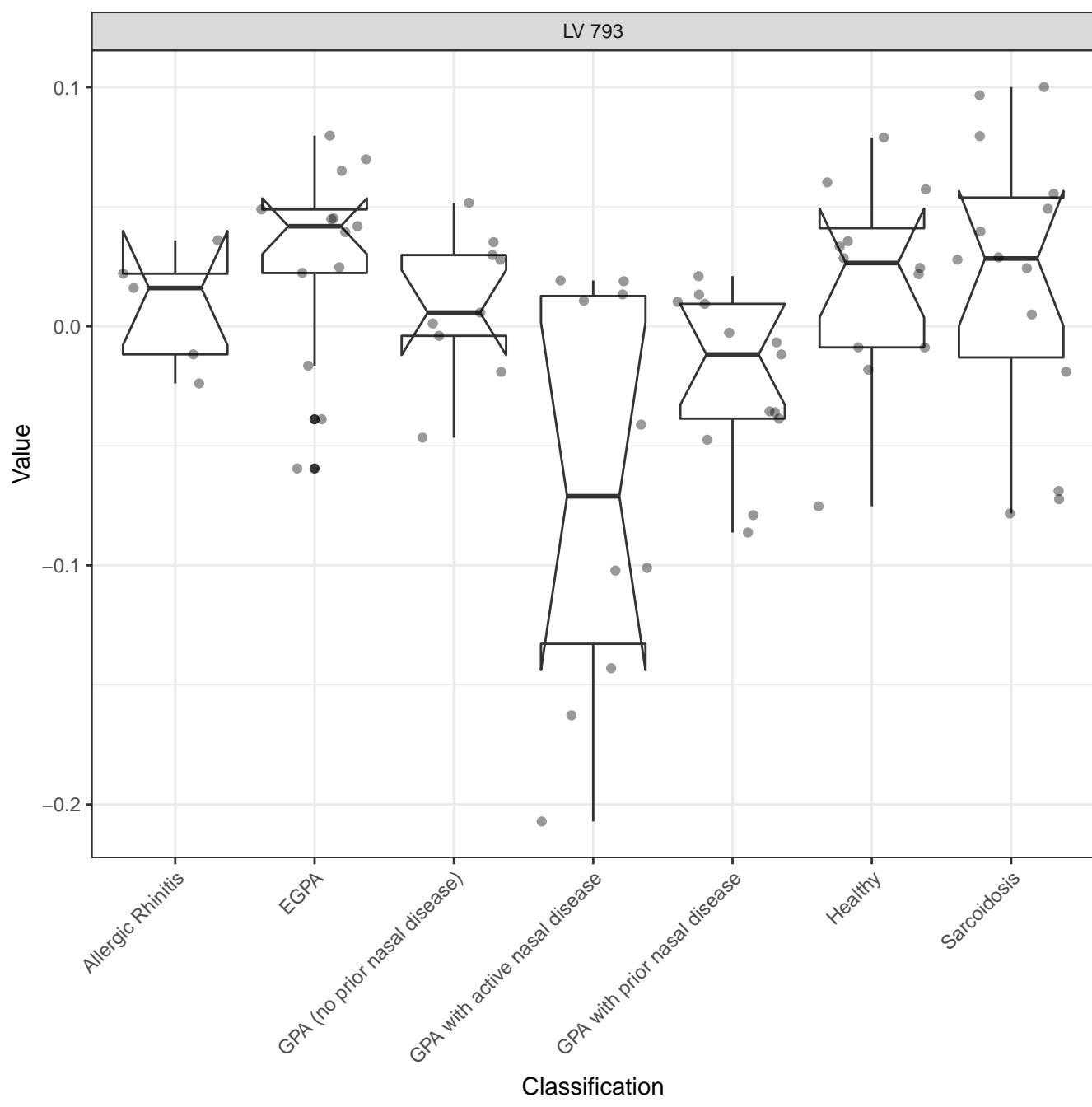
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



LV 794

Value

0.10

0.05

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

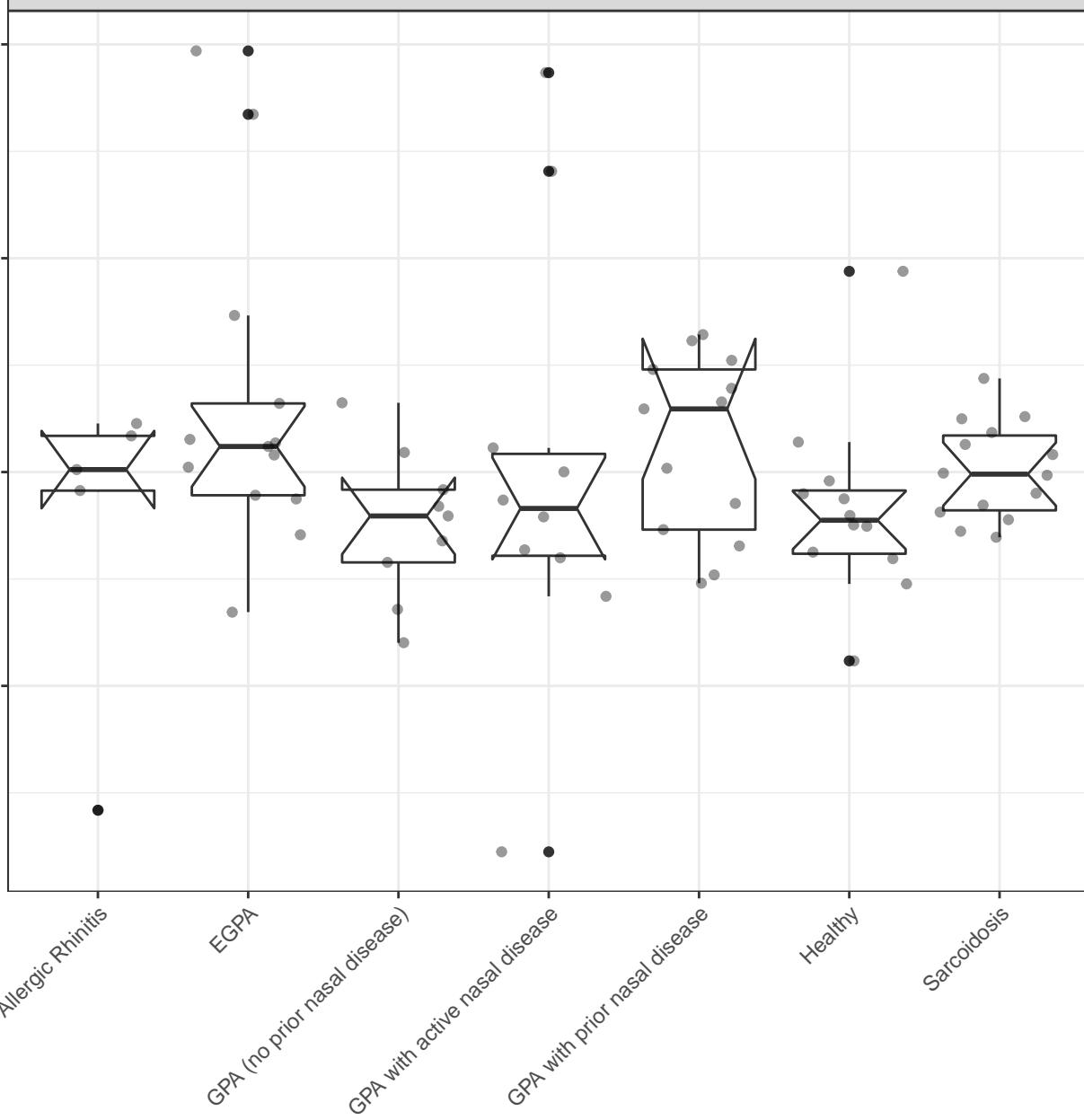
LV 794

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

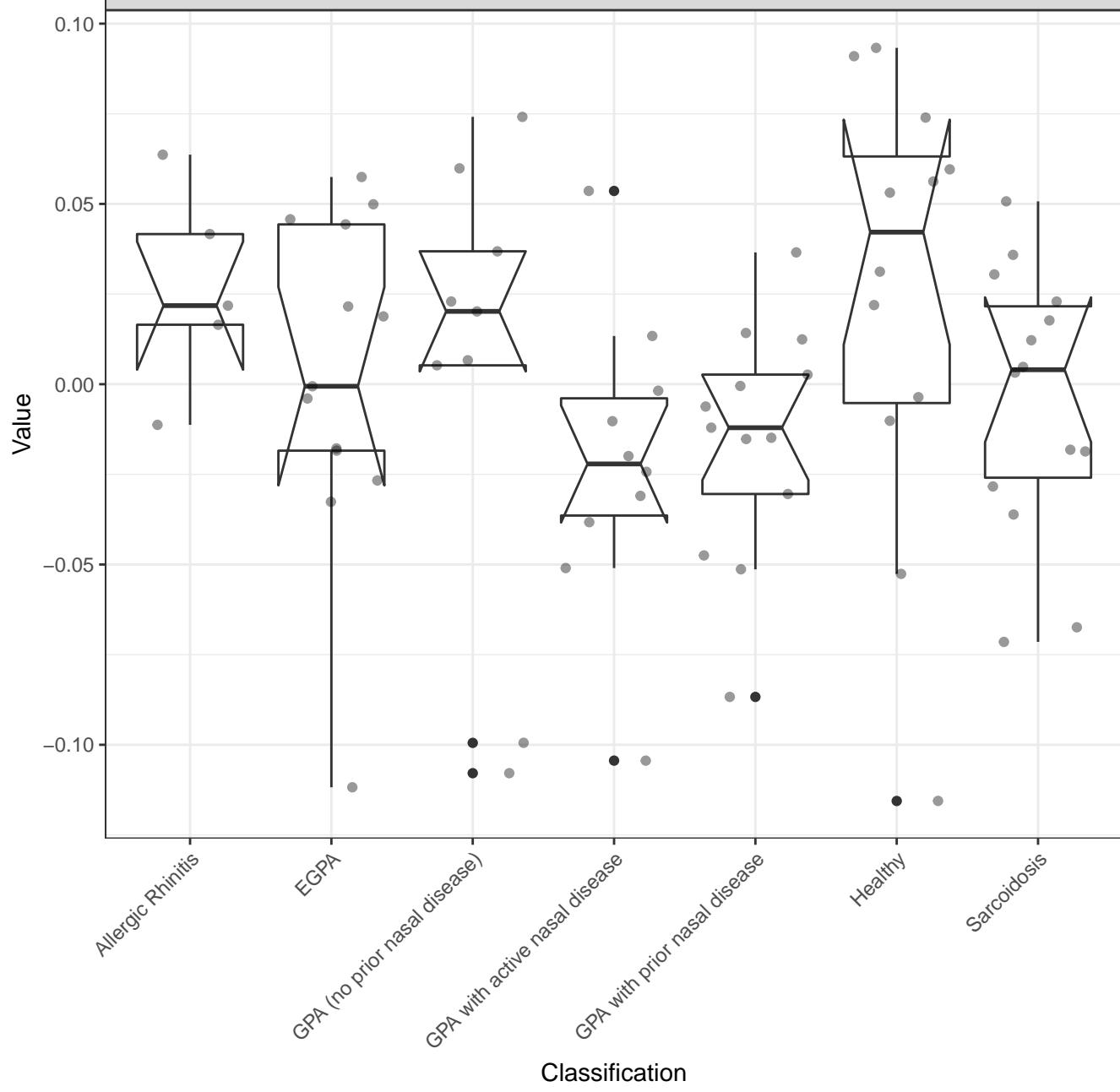
GPA with prior nasal disease

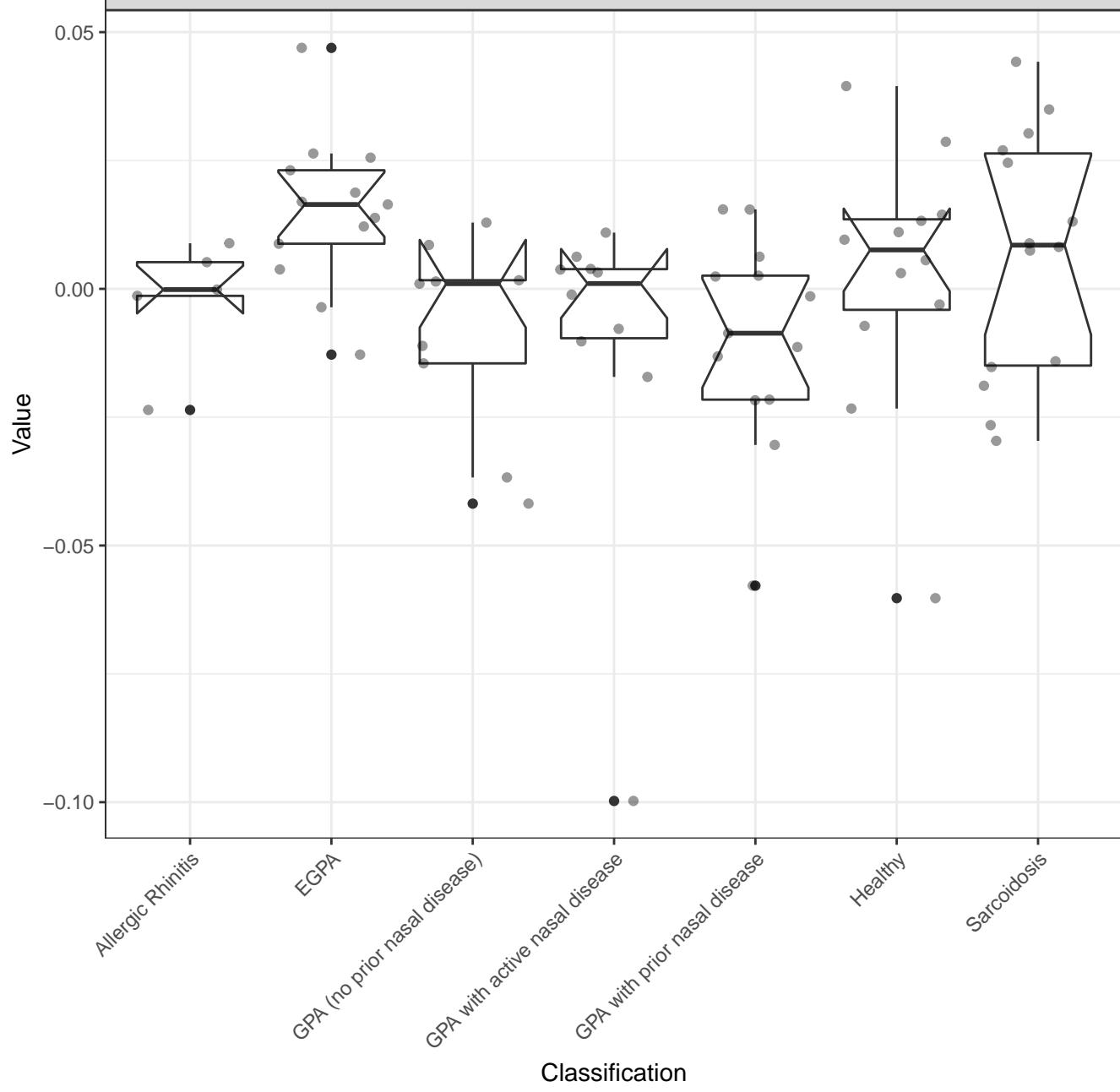
Healthy

Sarcoidosis

Classification

LV 796





Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05
0.00
-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



800,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value

0.2

0.1

0.0

-0.1

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

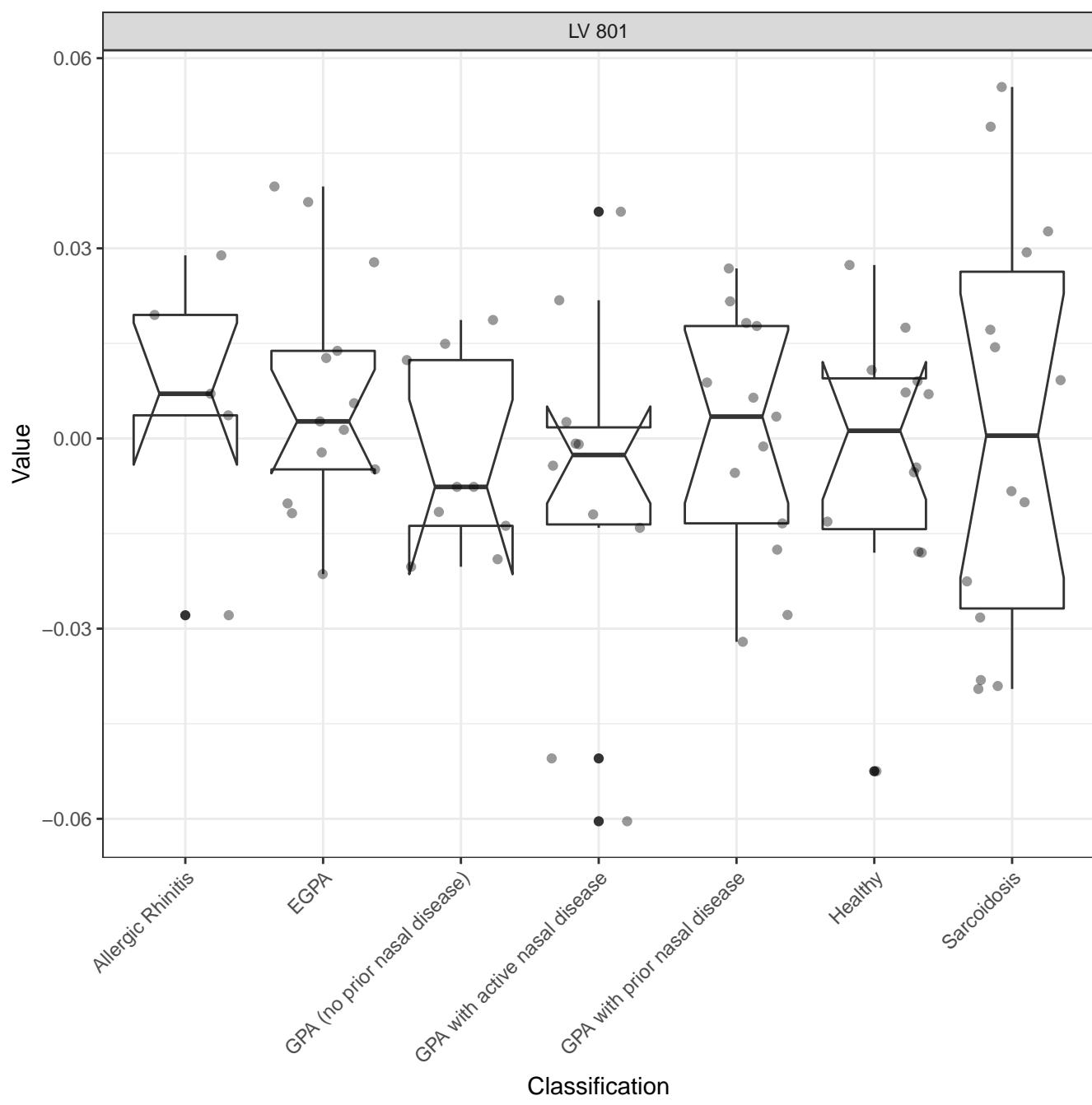
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

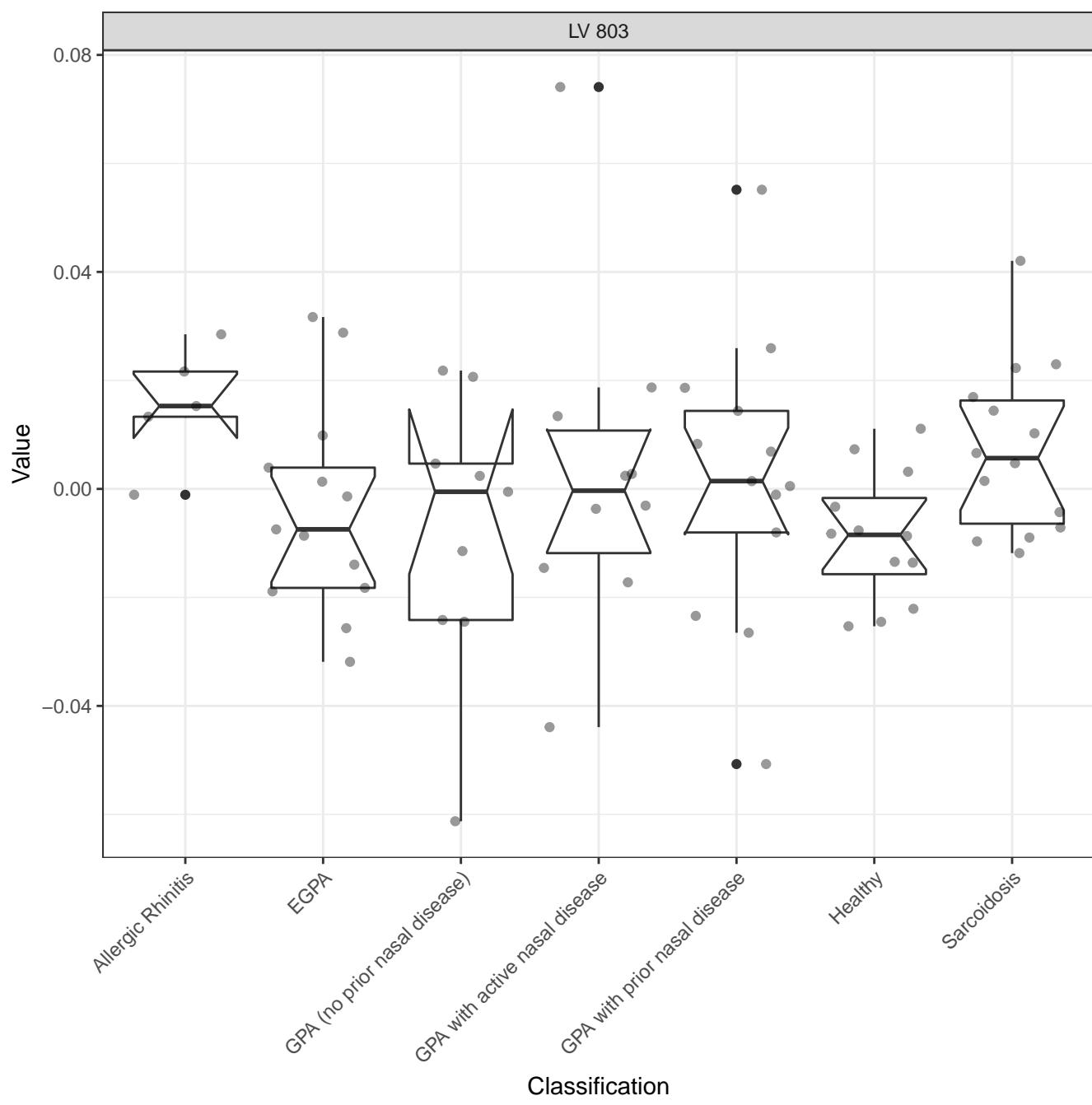
GPA with active nasal disease

GPA with prior nasal disease

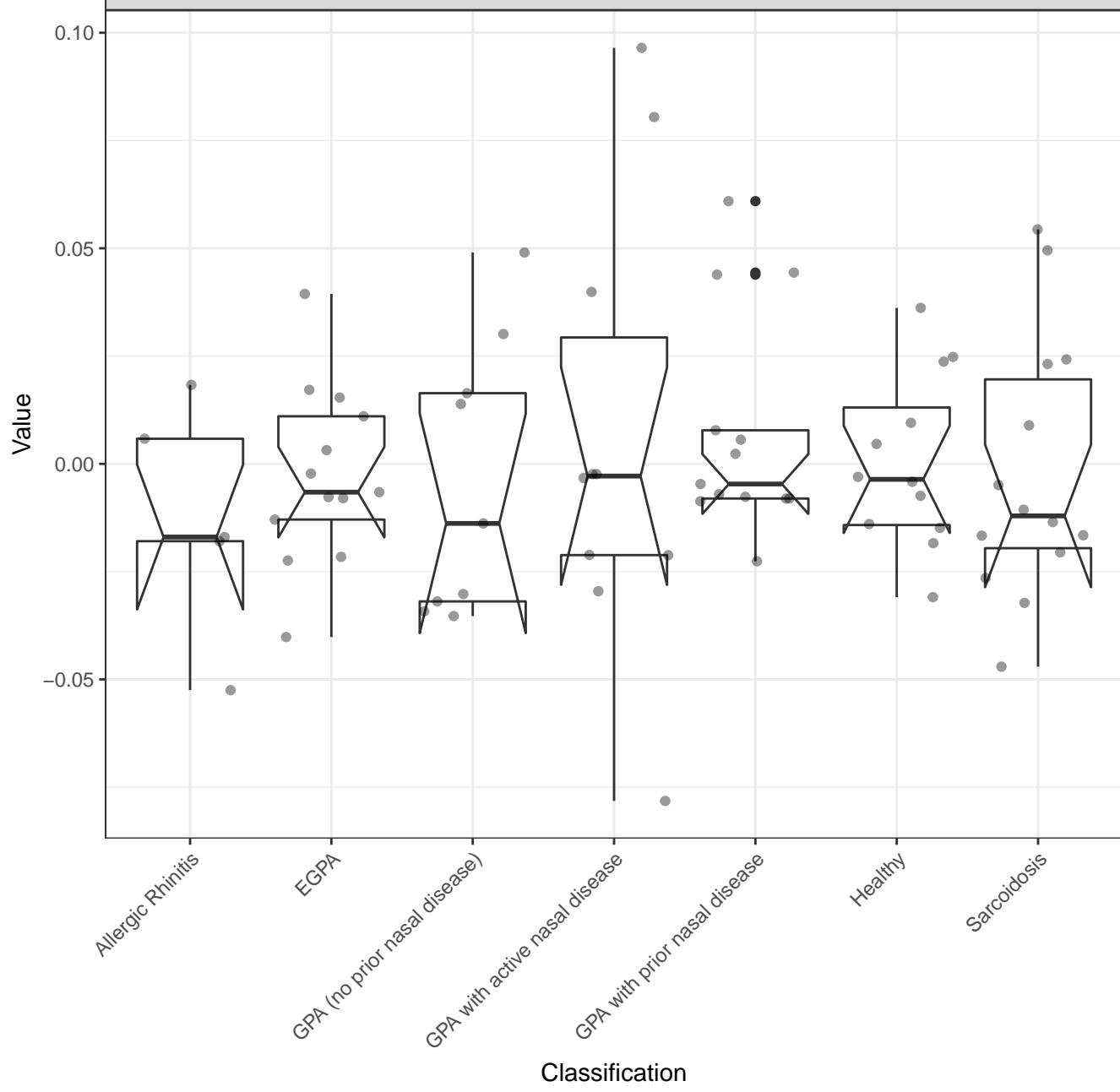
Healthy

Sarcoidosis

Classification



LV 804



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

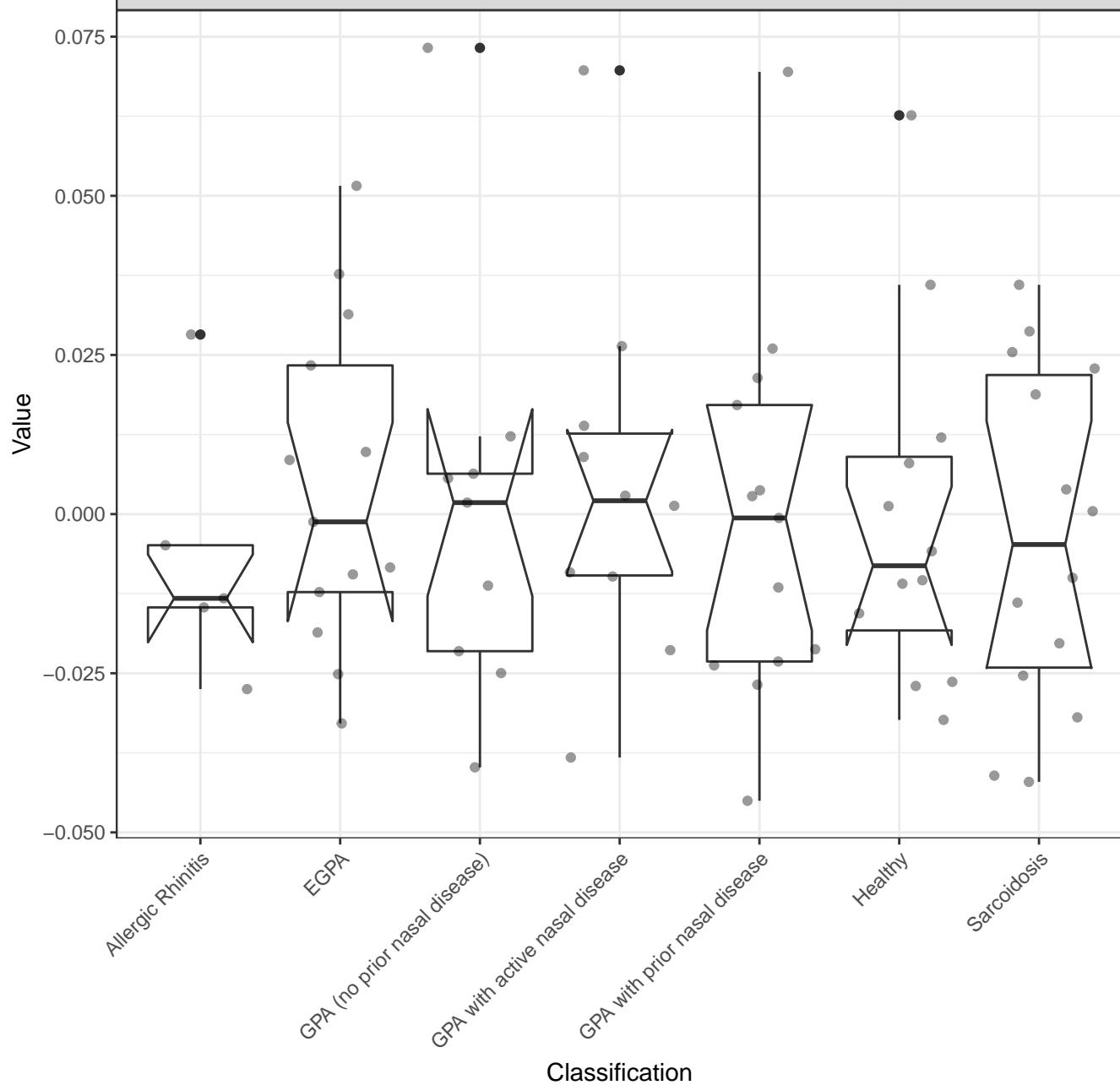
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 807



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

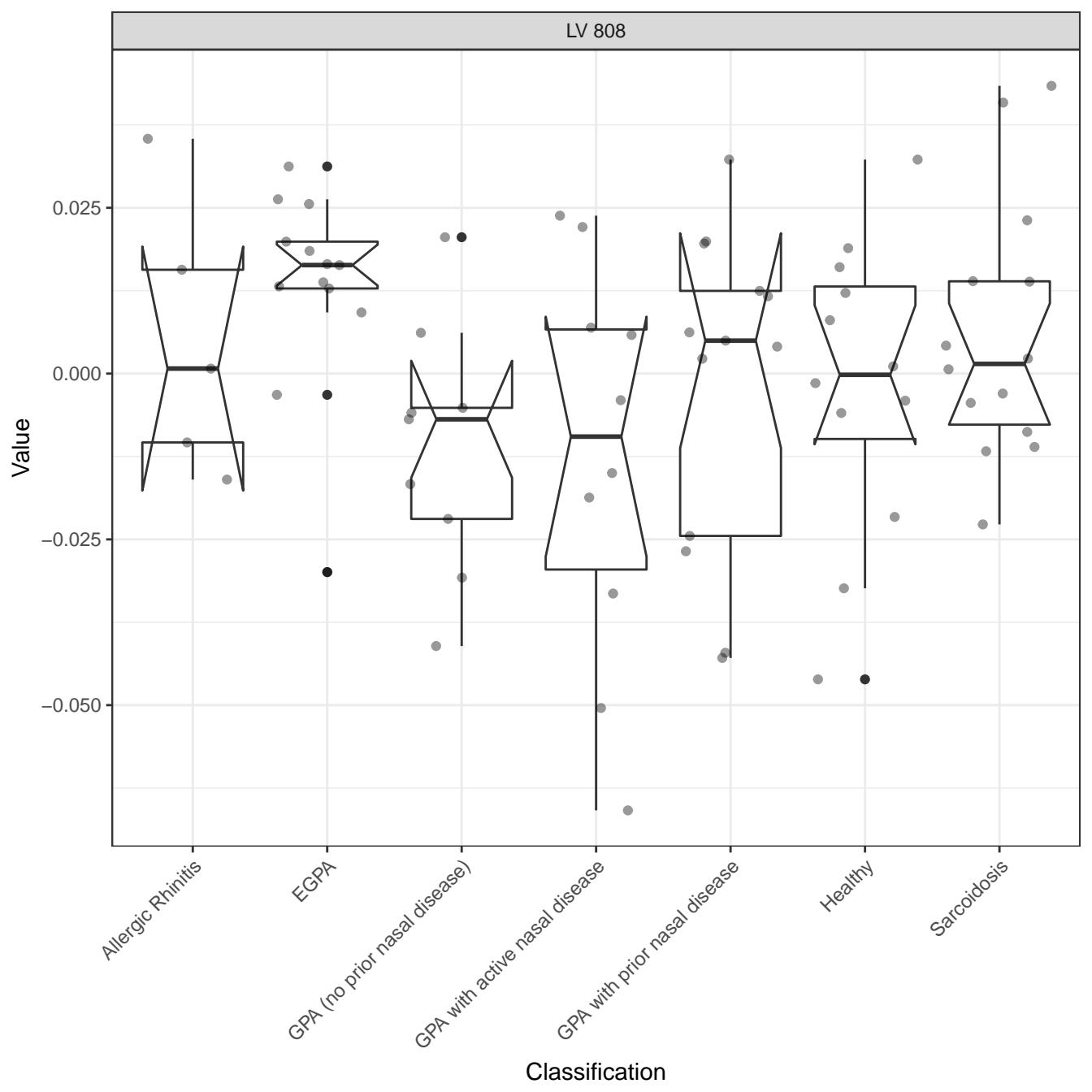
Classification

0.025

0.000

-0.025

-0.050



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

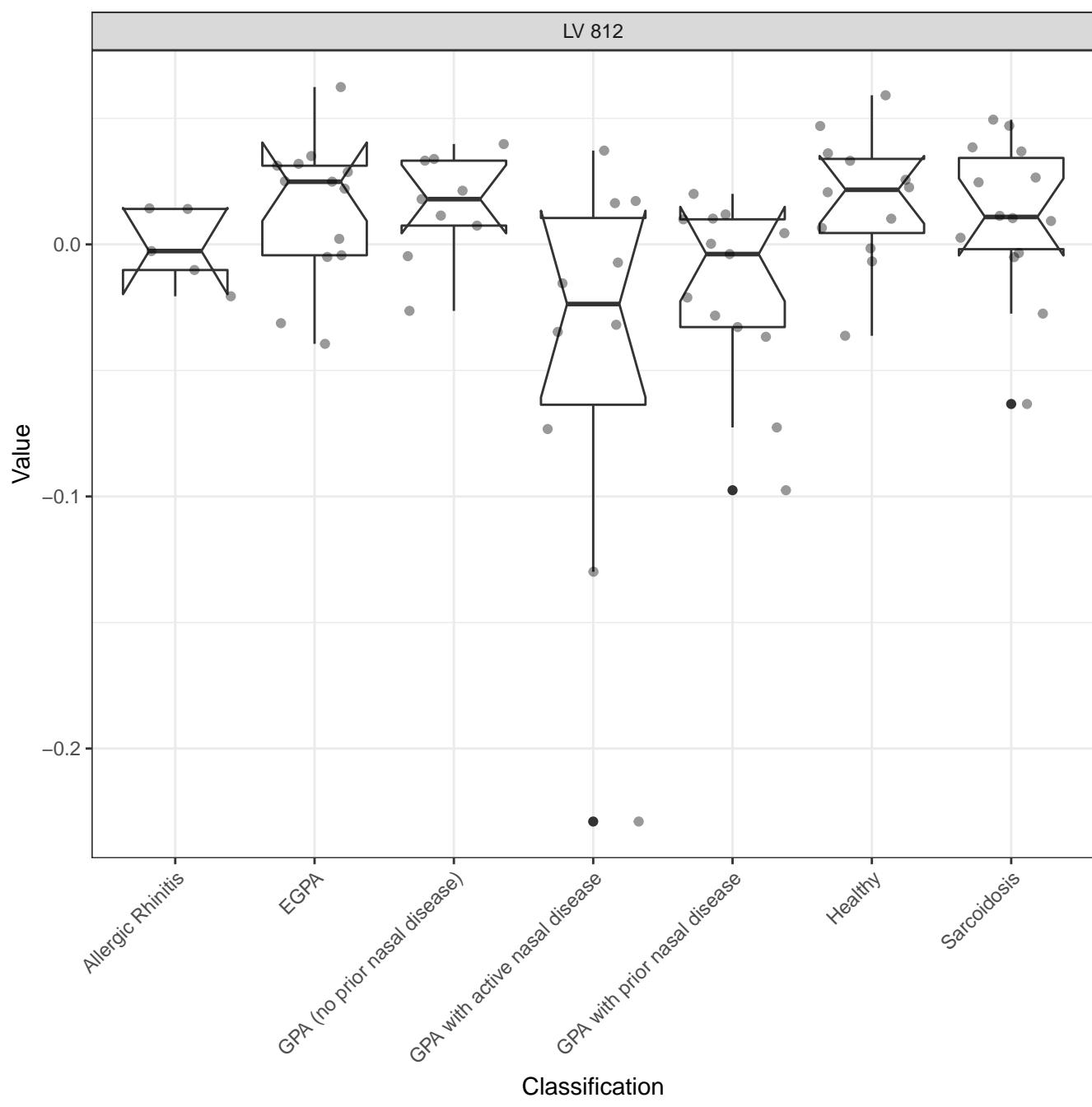
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

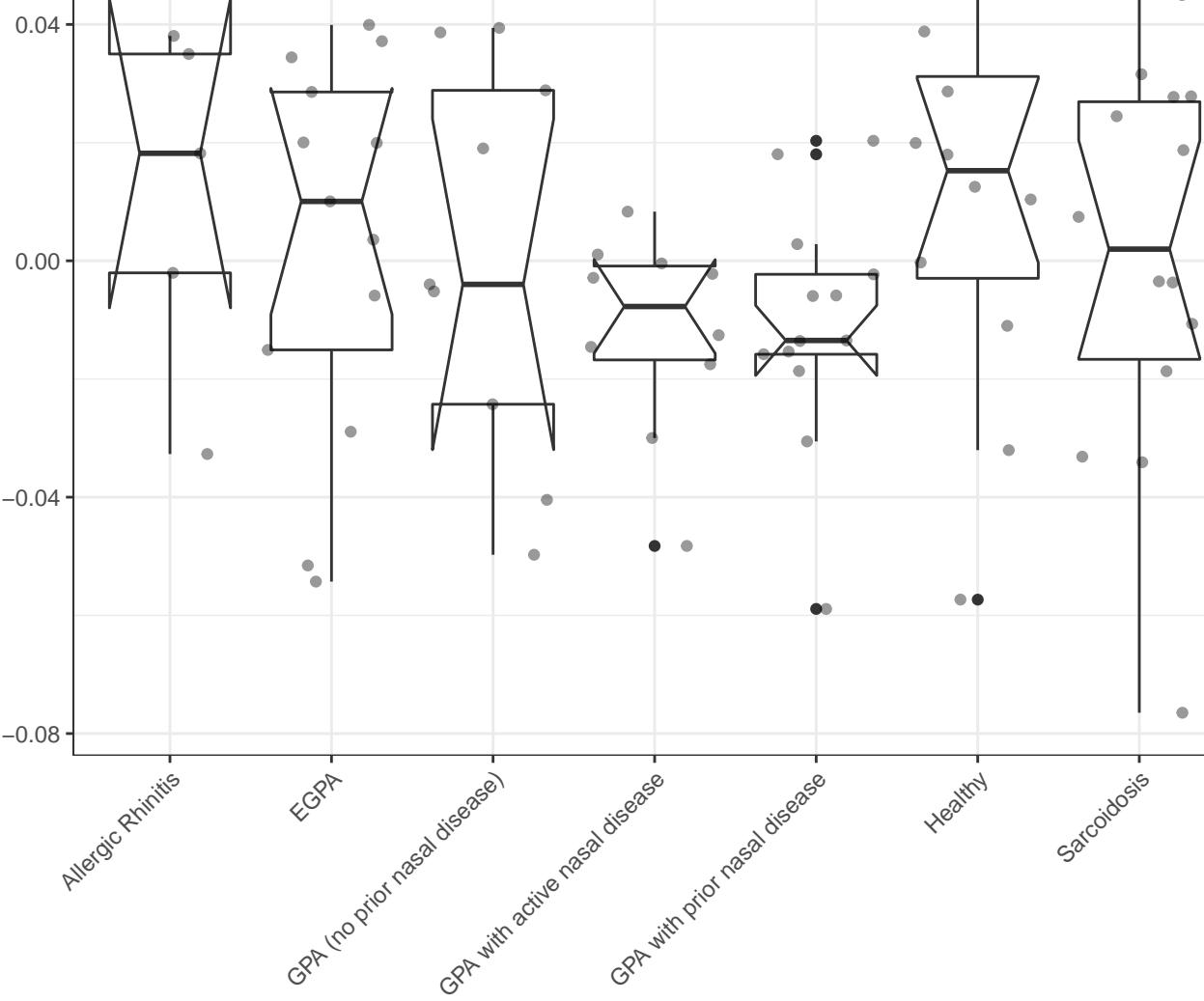
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.050
0.025
0.000
-0.025
-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

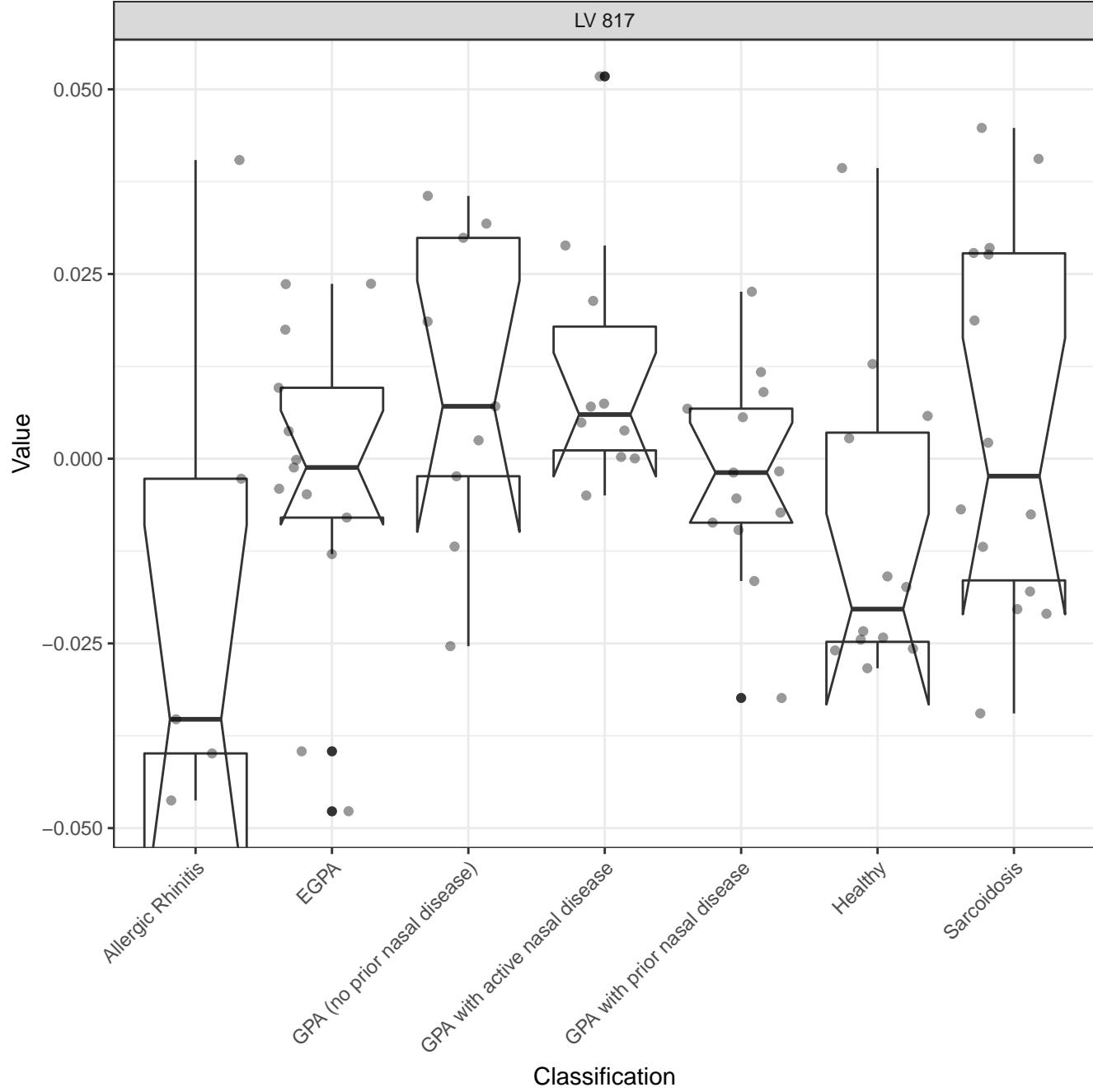
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.02

-0.04

-0.08

-0.12

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

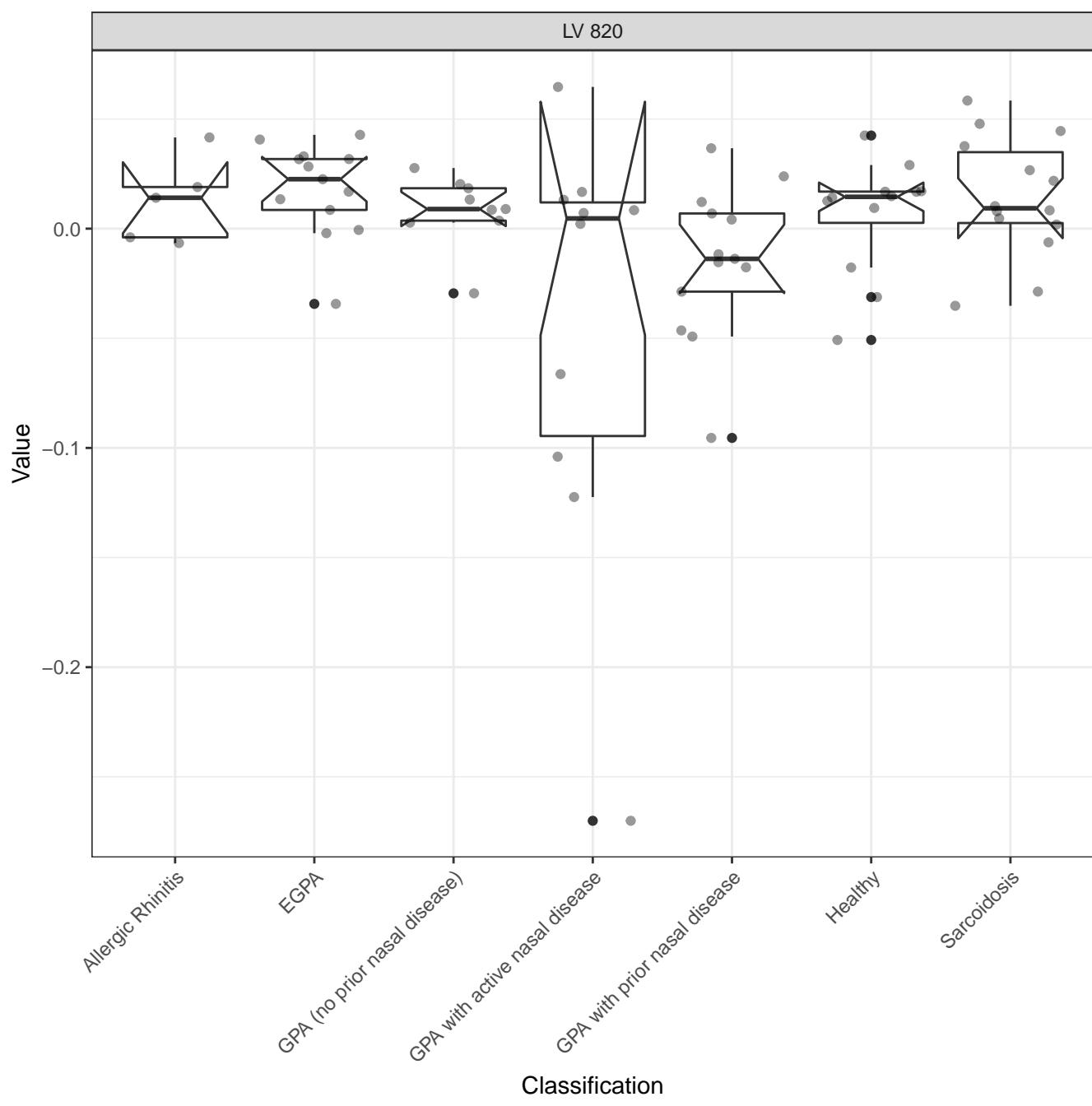
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

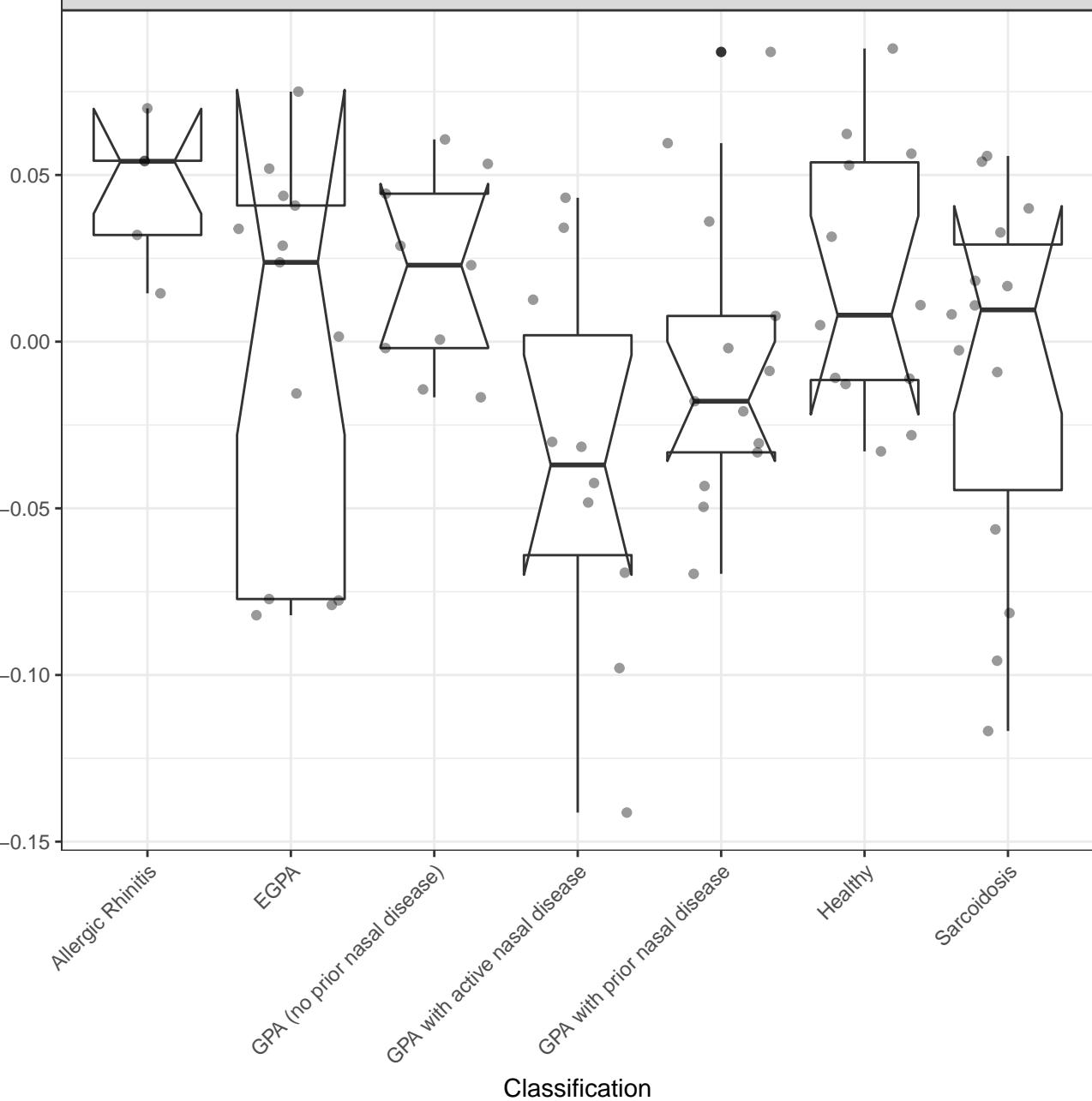
GPA with prior nasal disease

Healthy

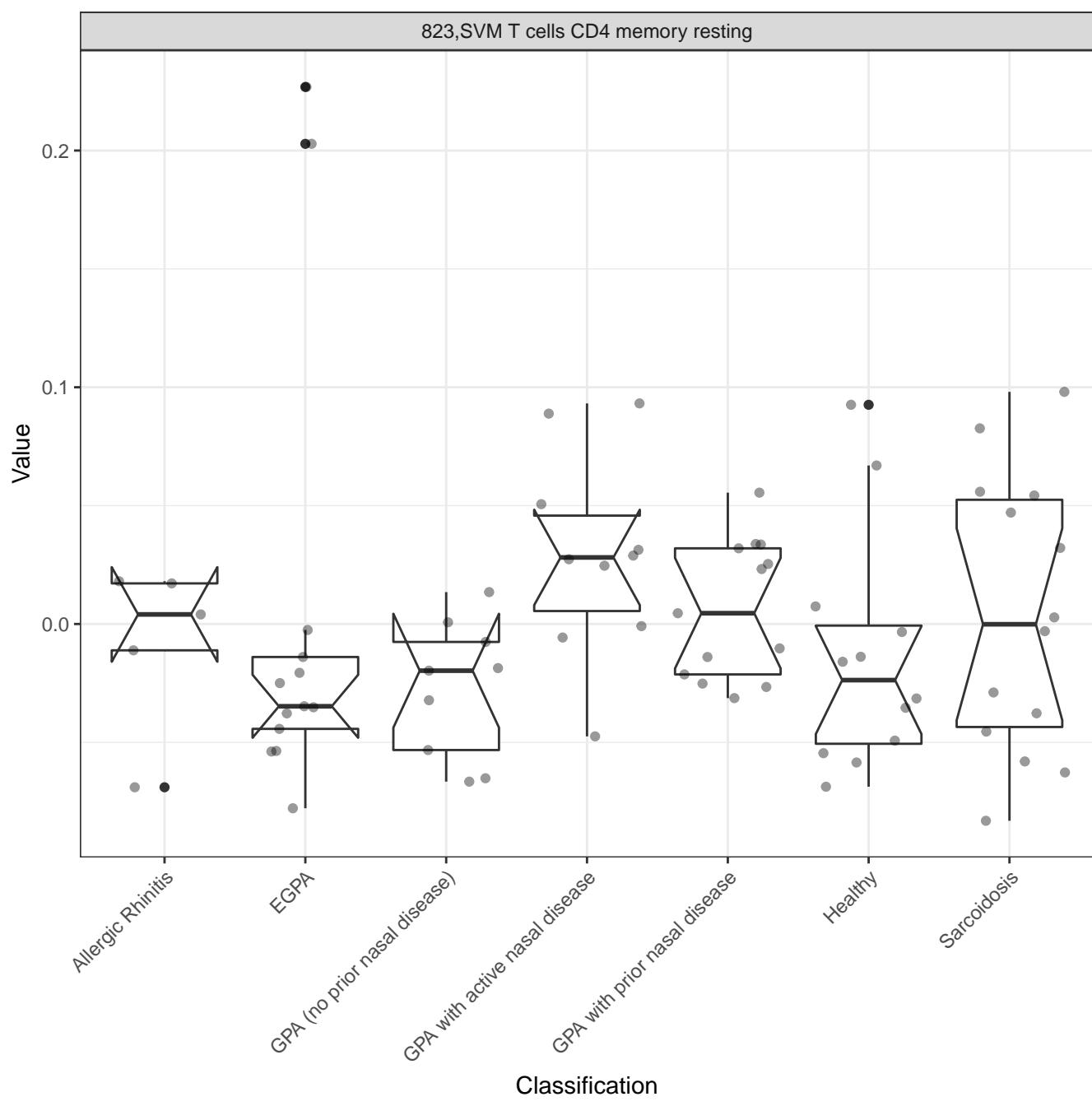
Sarcoidosis

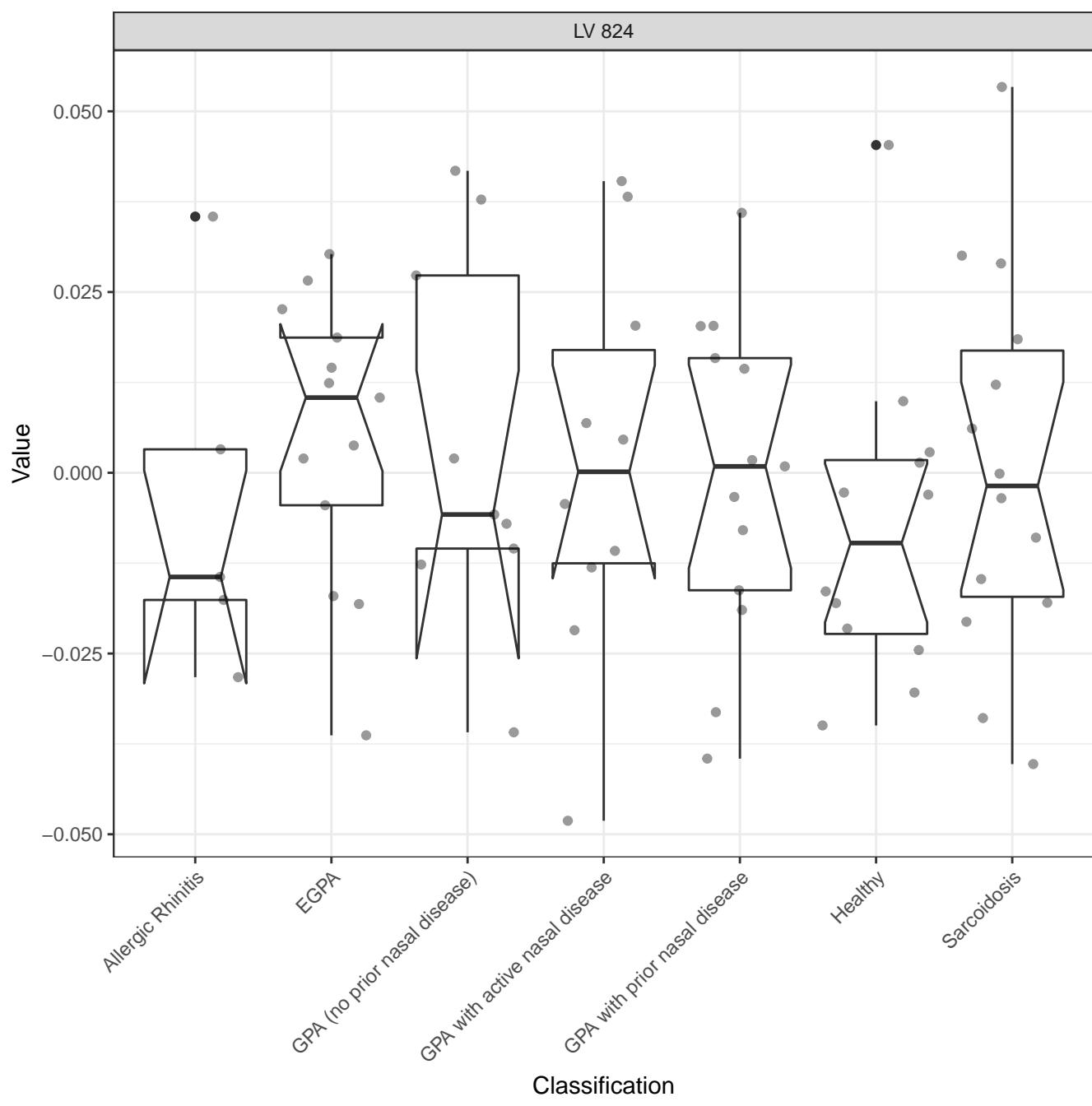
Classification

Value



823,SVM T cells CD4 memory resting





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

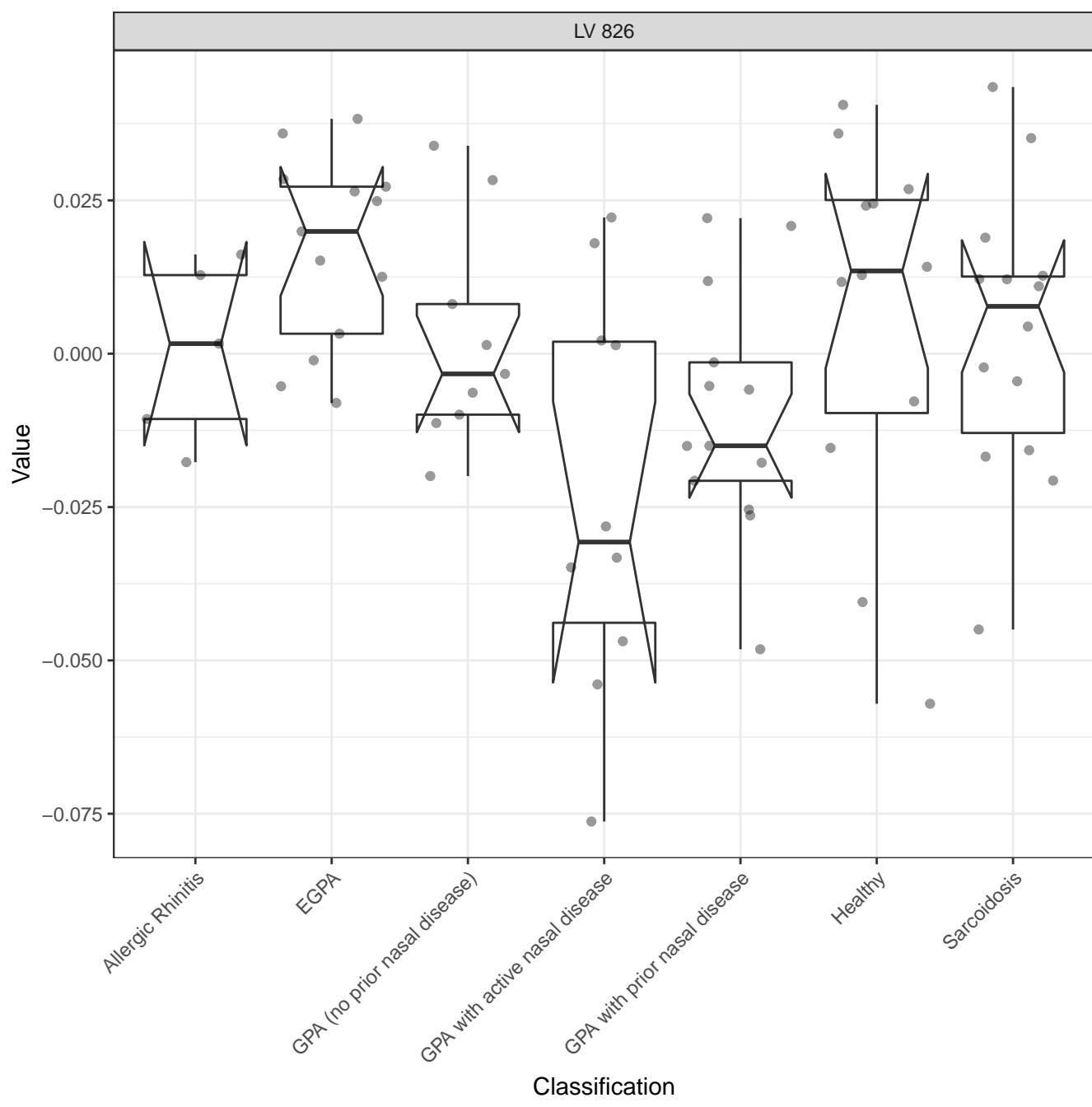
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



827,KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

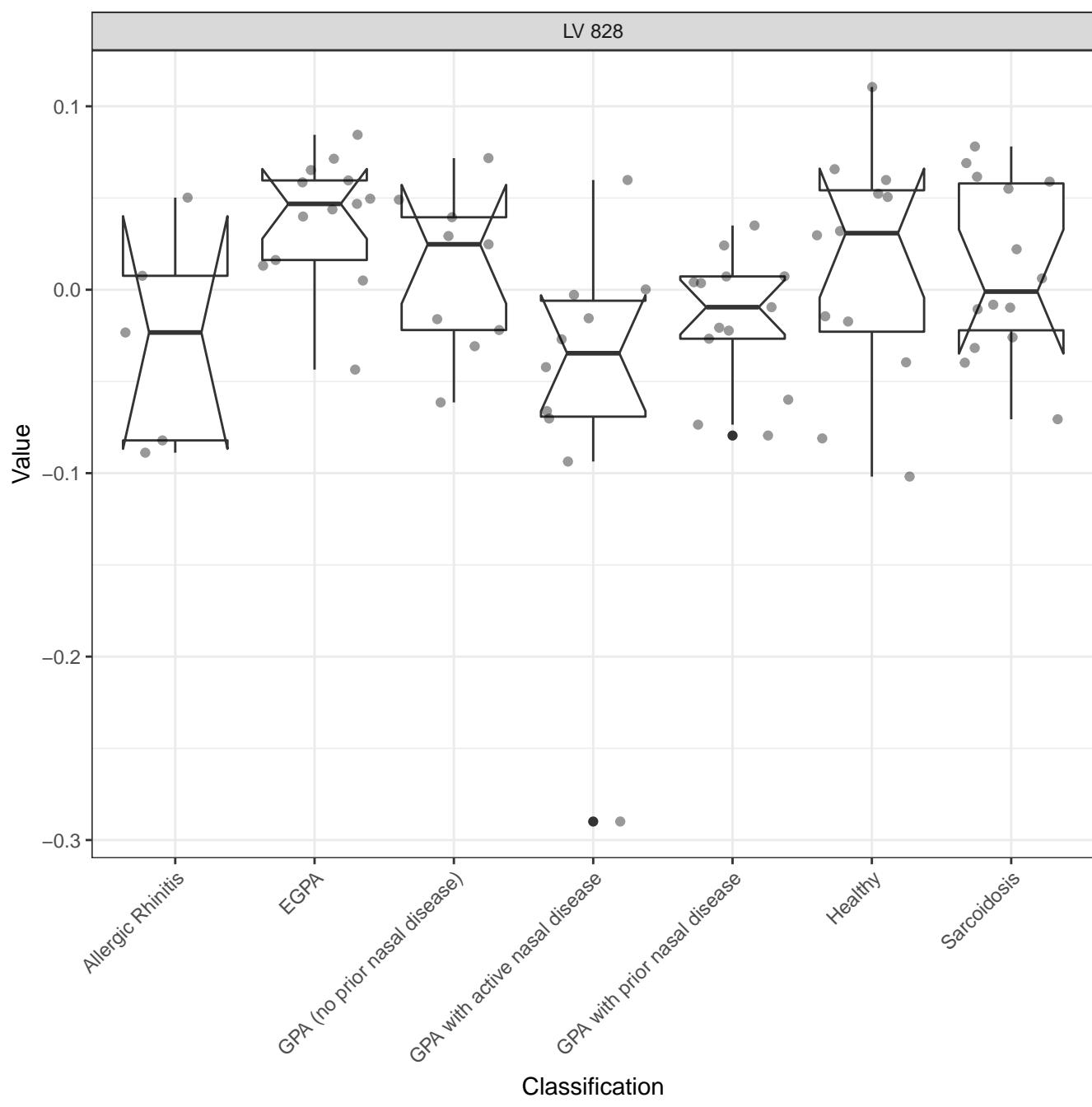
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

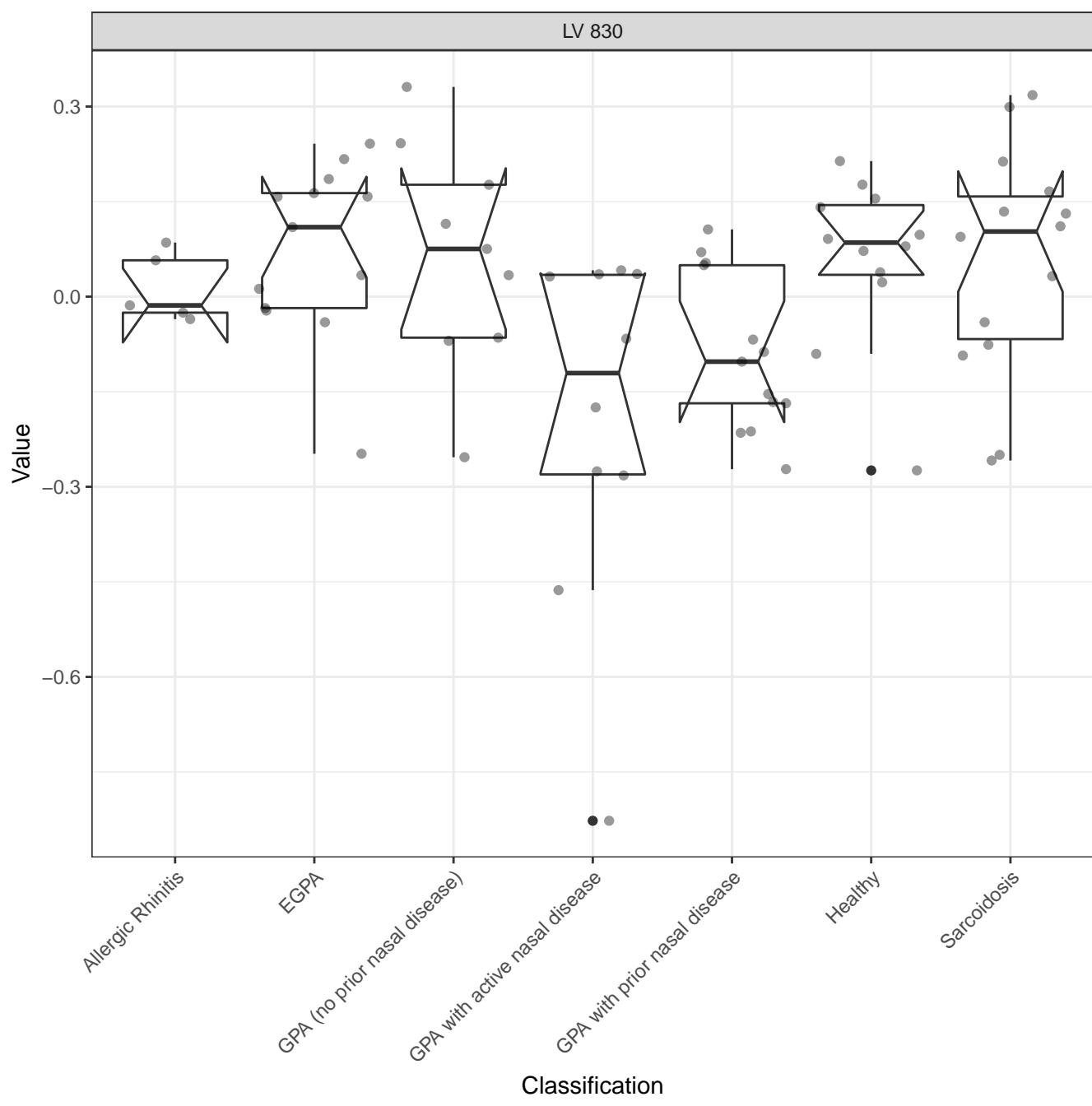
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

832,KEGG_CYSTEINE_AND_METHIONINE_METABOLISM

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

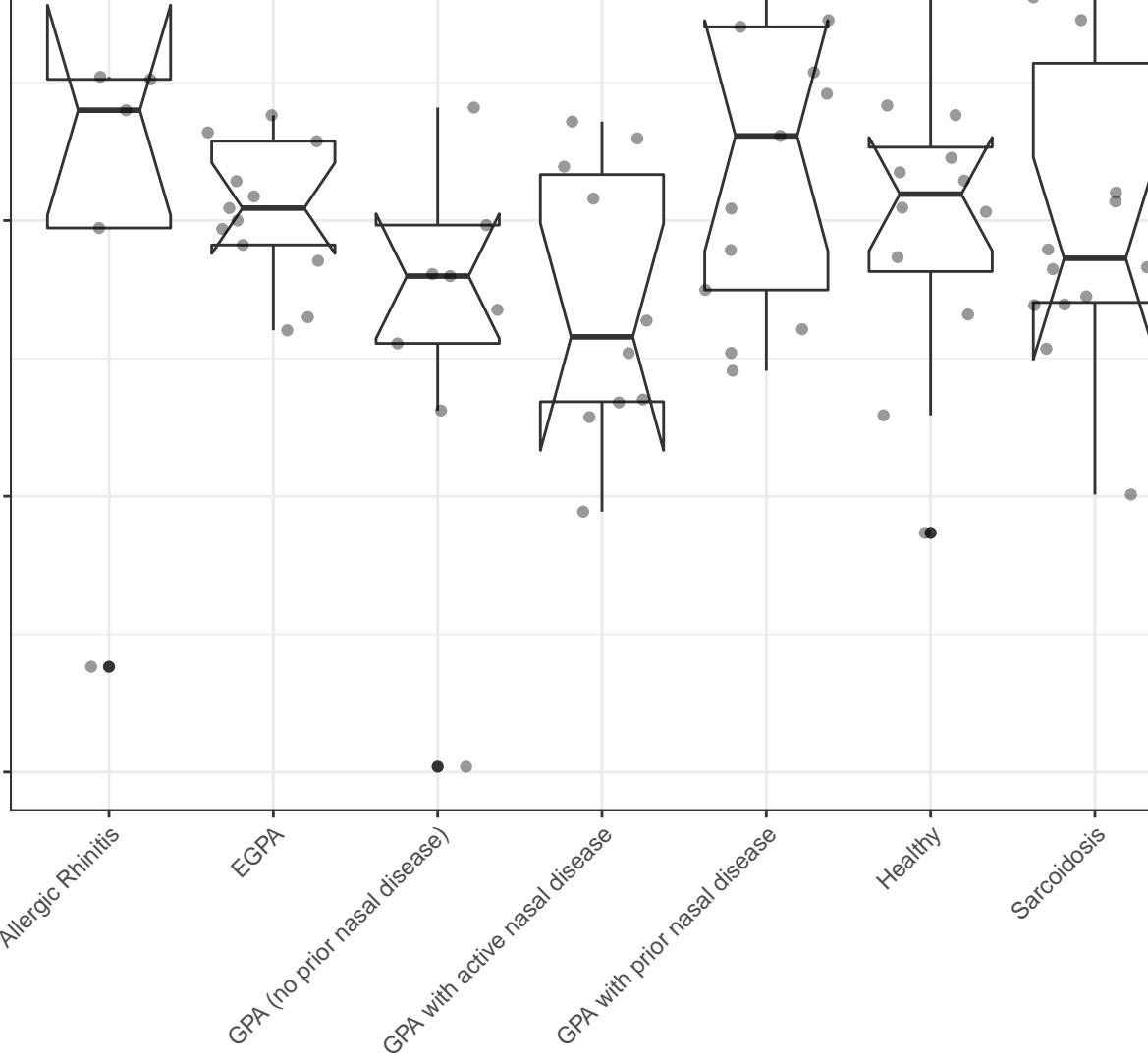
GPA with active nasal disease

Classification

GPA with prior nasal disease

Healthy

Sarcoidosis



Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 834

Value

0.06

0.03

0.00

-0.03

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

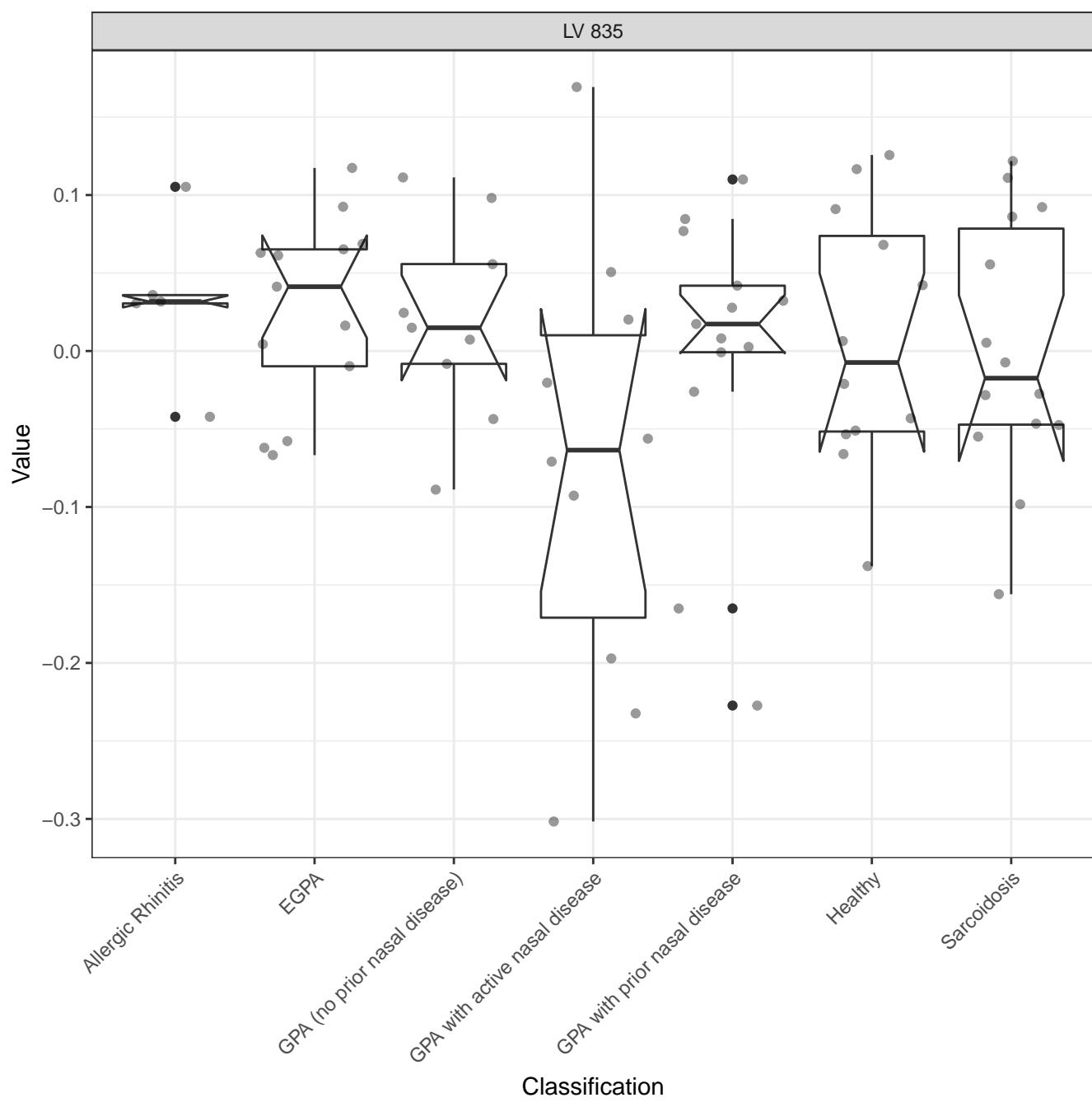
GPA with active nasal disease

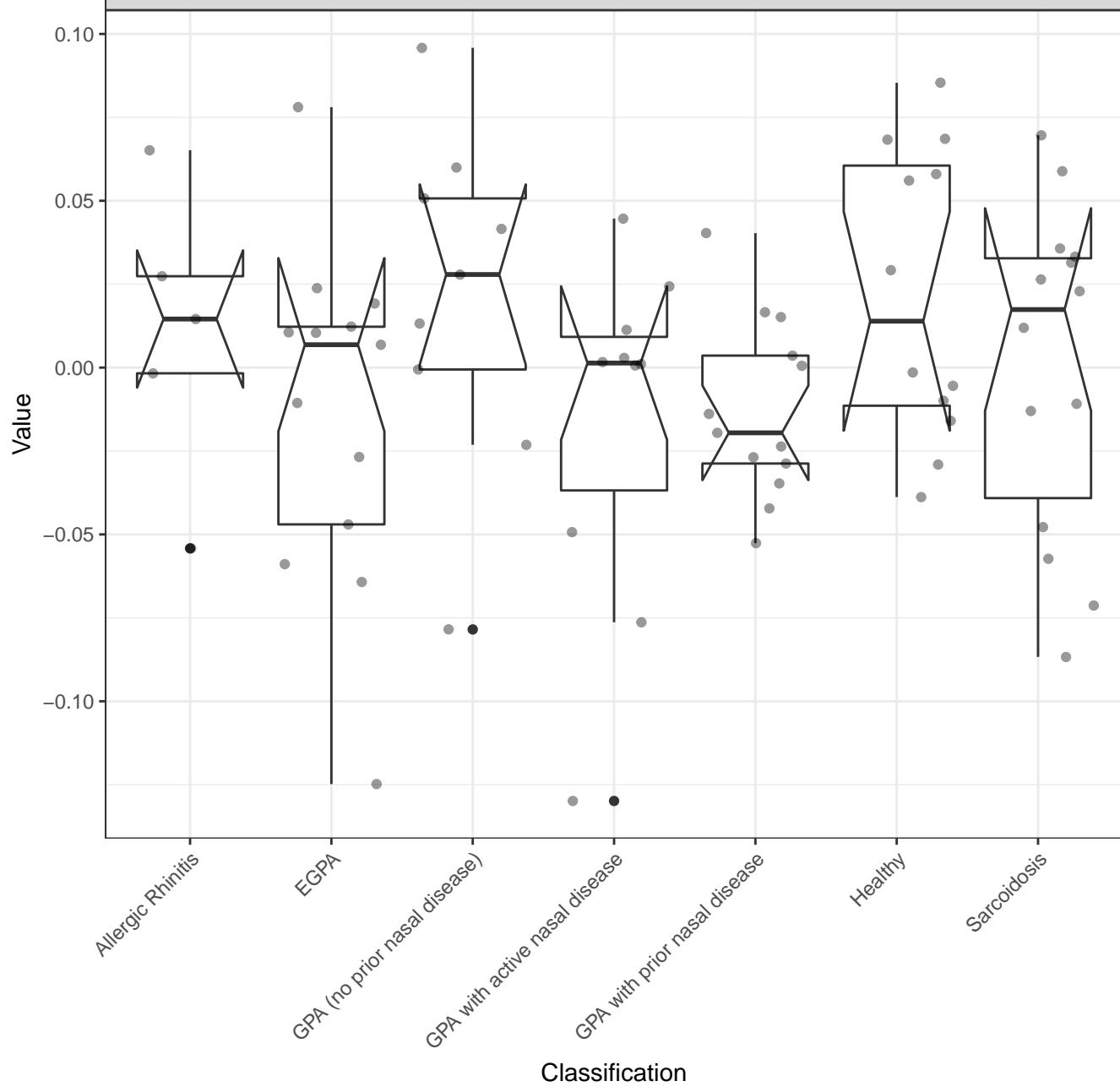
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

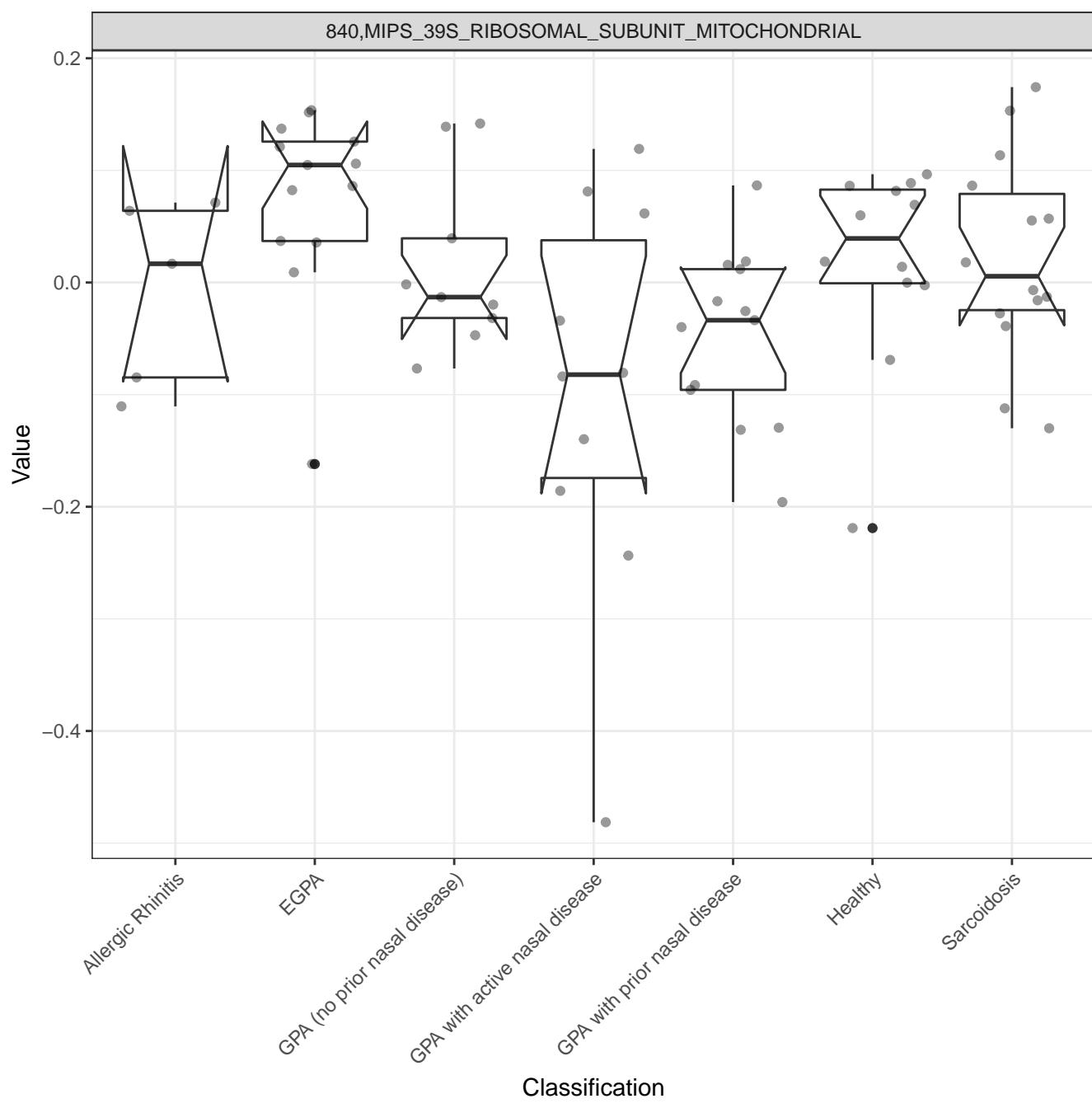
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

840,MIPS_39S_RIBOSOMAL_SUBUNIT_MITOCHONDRIAL



Value

0.2

0.0

-0.2

-0.4

-0.6

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

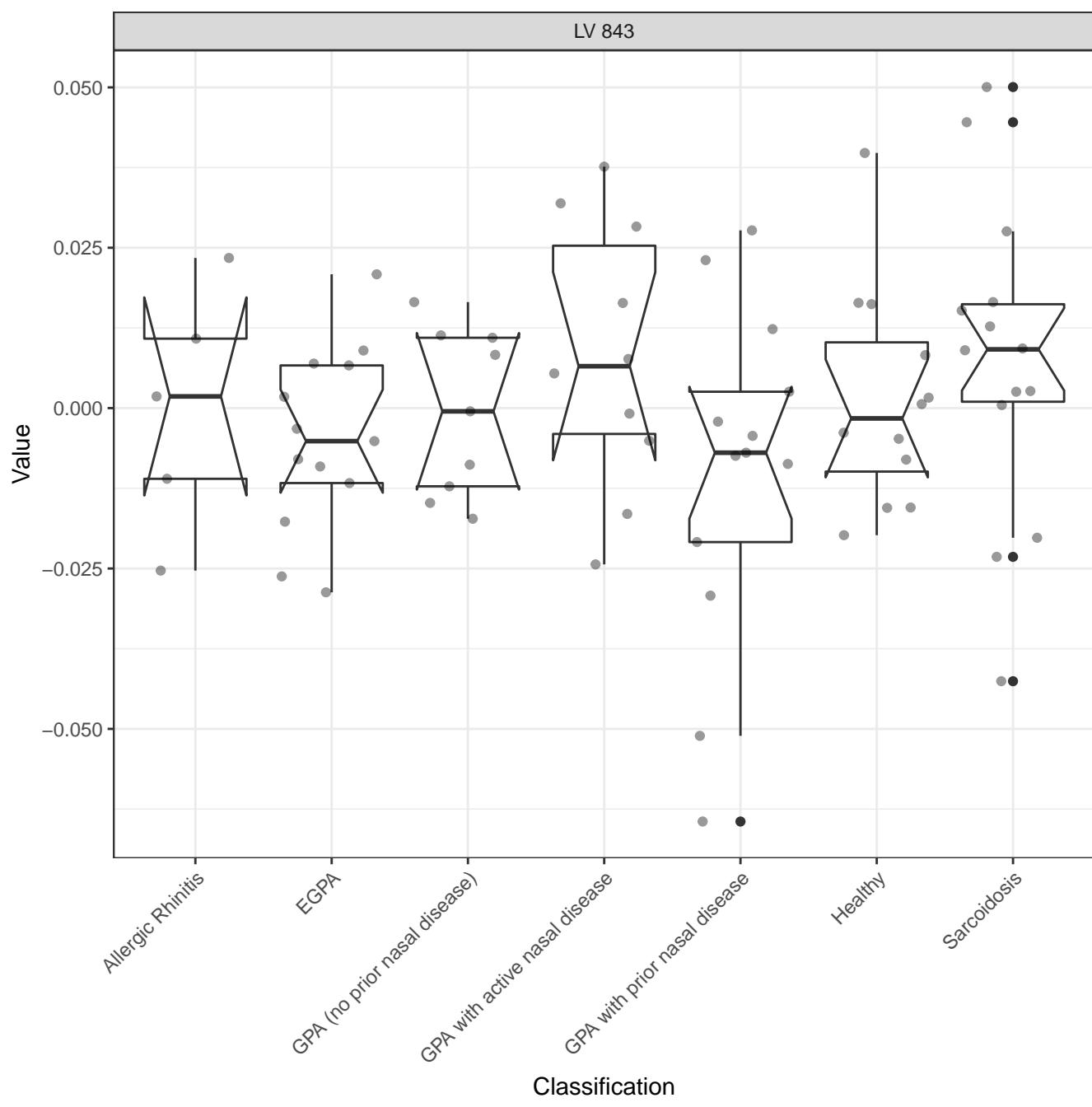
GPA with active nasal disease

GPA with prior nasal disease

Healthy

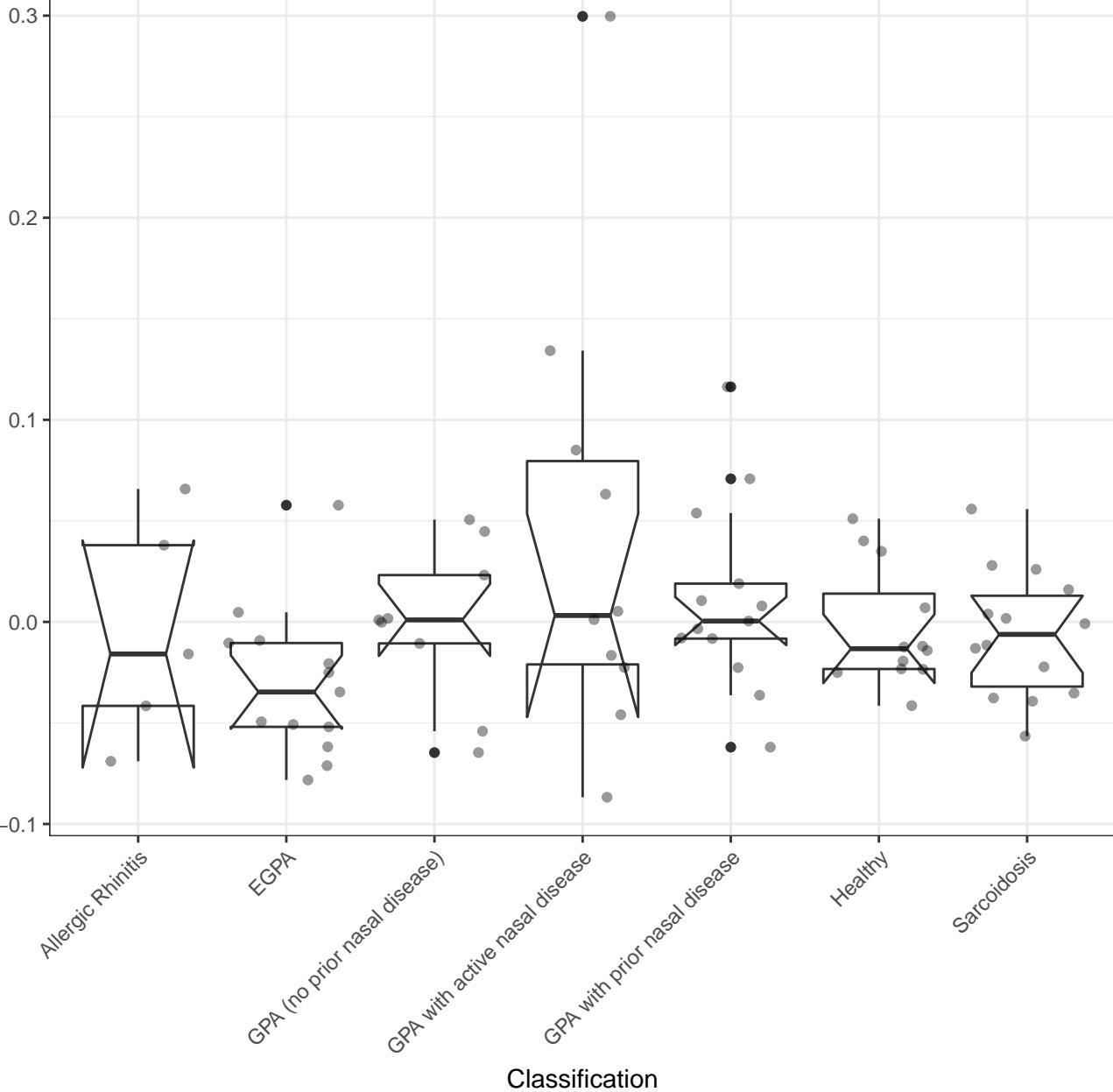
Sarcoidosis

Classification



844,KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION

Value



Value

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

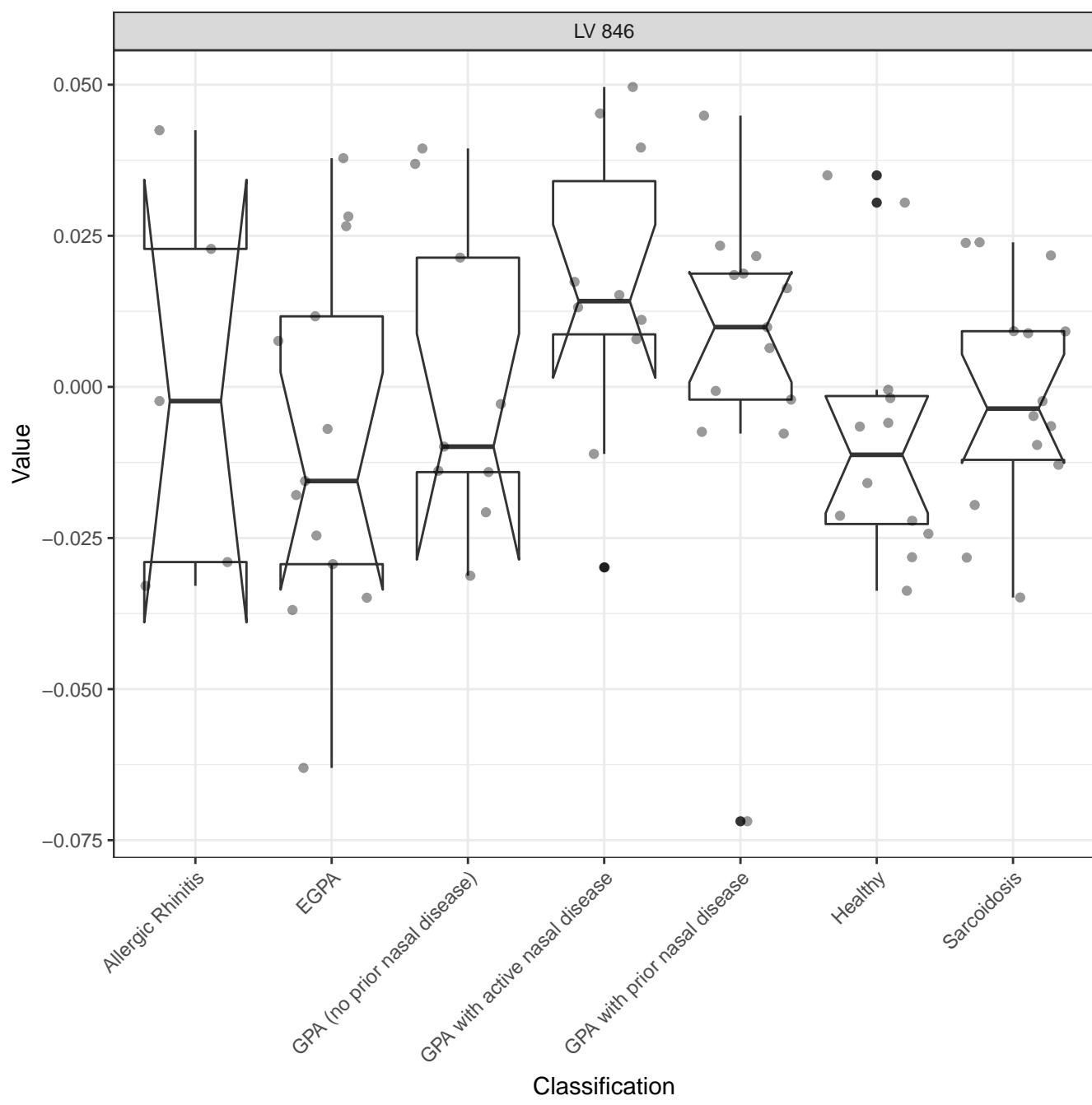
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.1

0.0

-0.1

-0.2

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

848,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

LV 850

Classification

LV 850

LV 850

Sarcoidosis

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

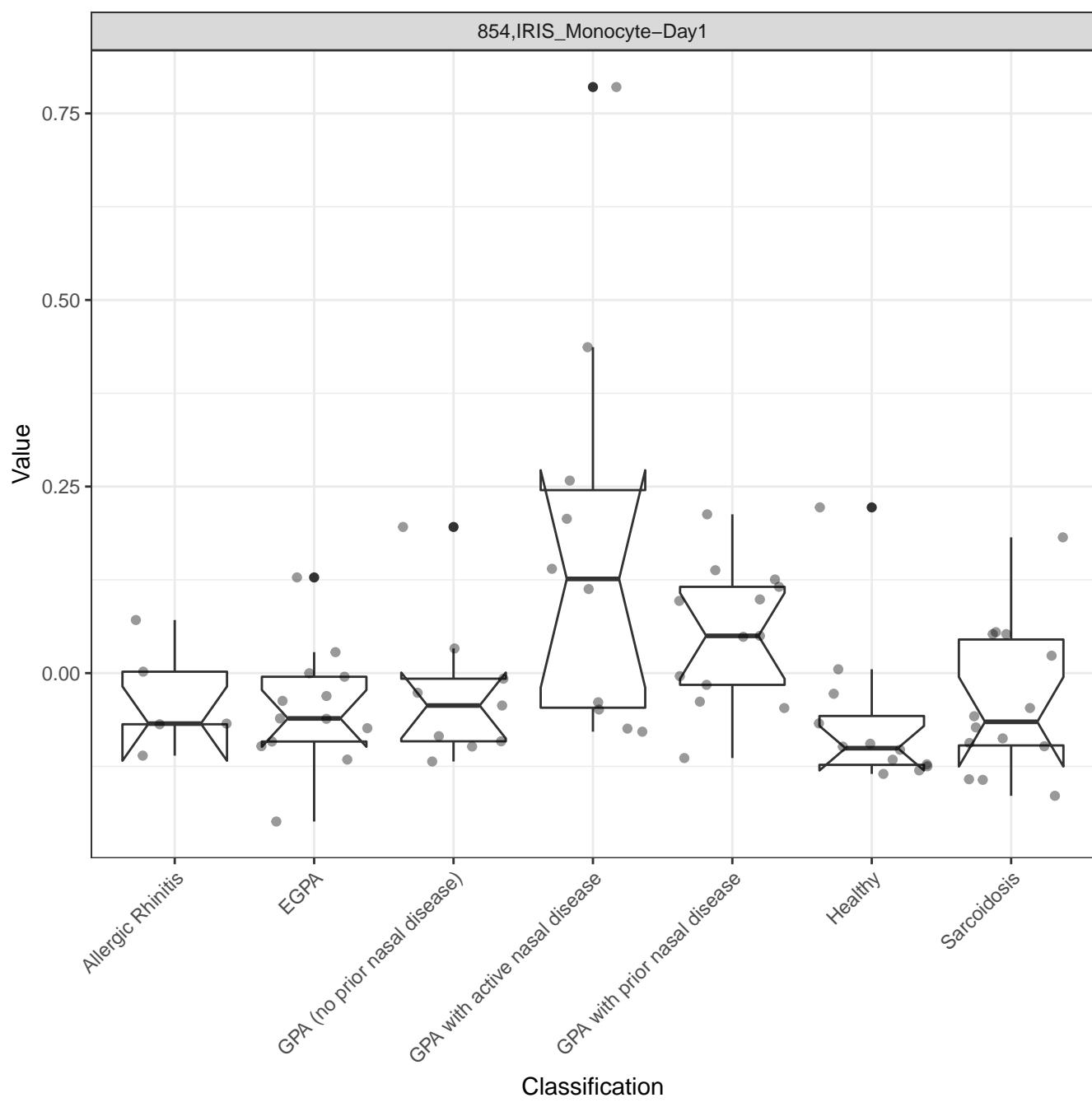
GPA with active nasal disease

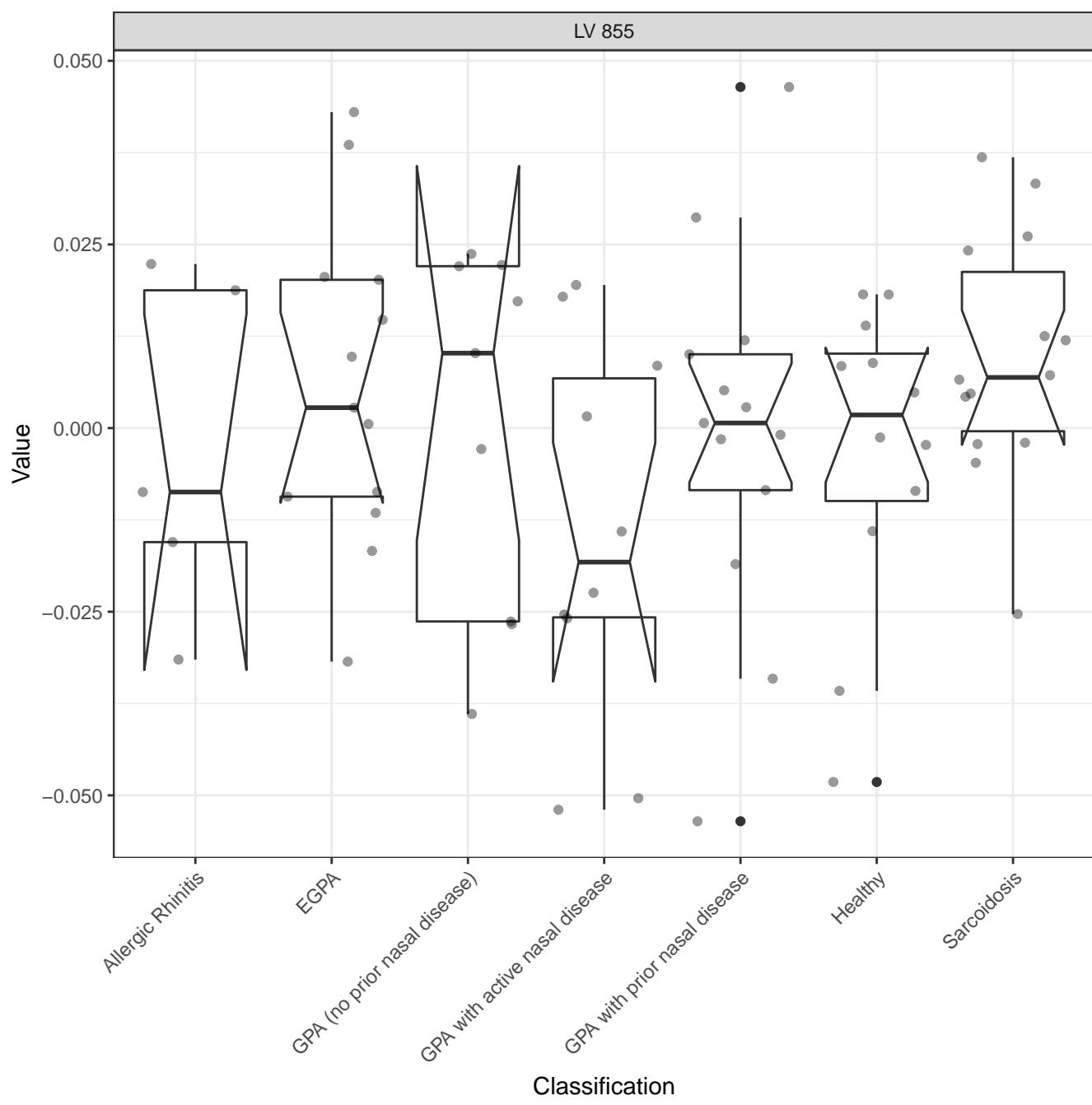
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.01

-0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

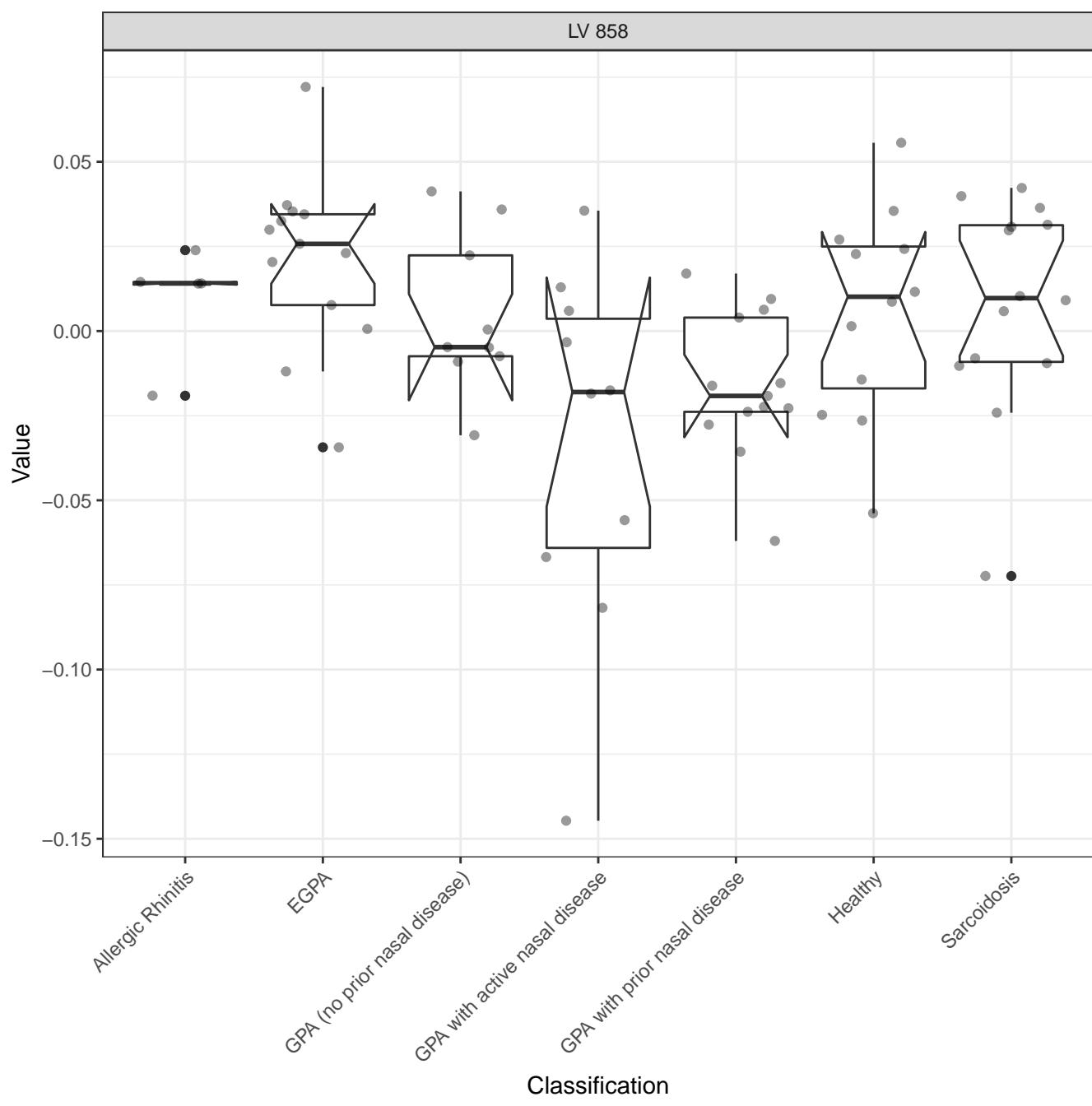
GPA with active nasal disease

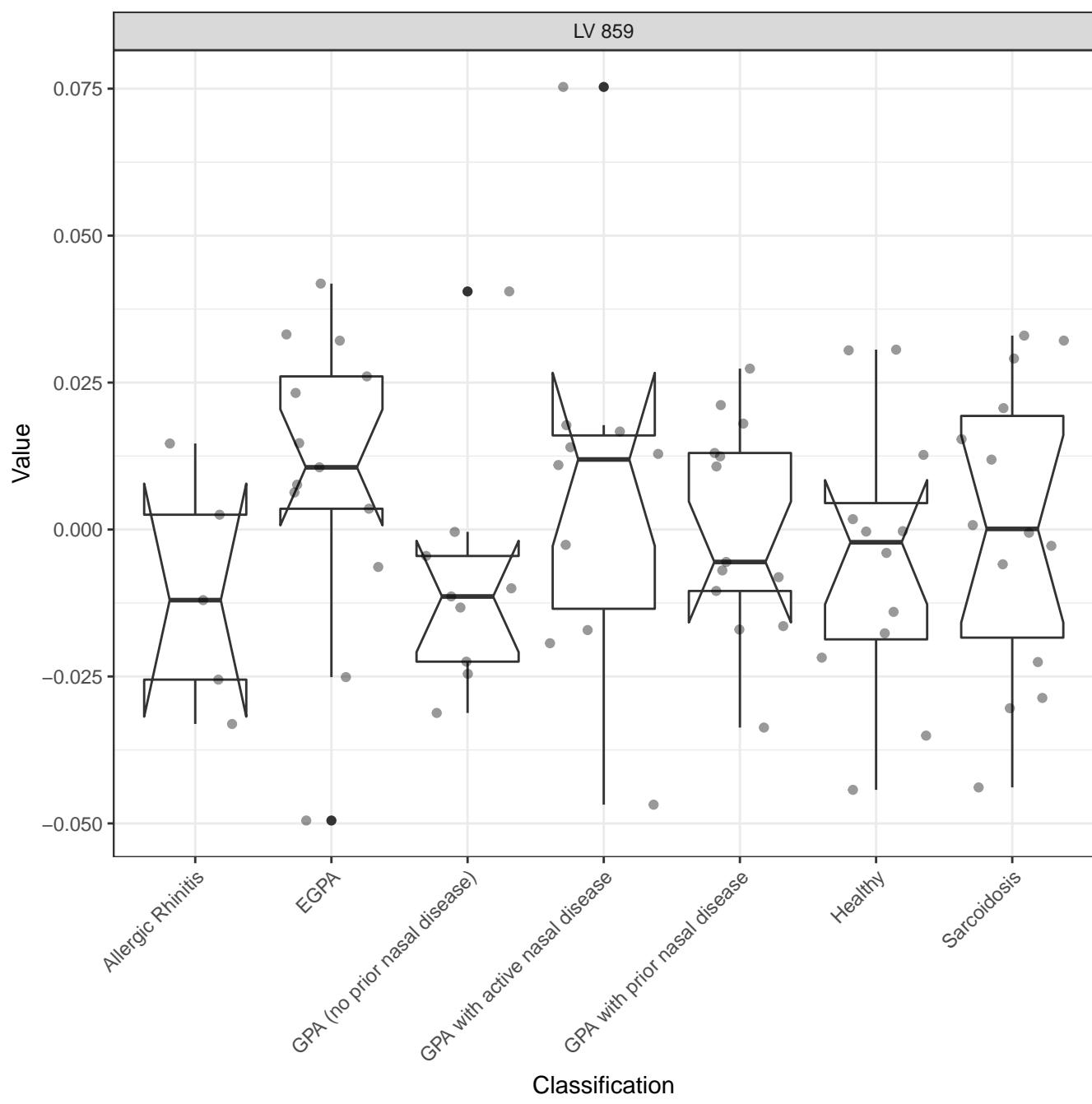
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

LV 861

Classification

LV 861

Classification

Healthy

Sarcoidosis

GPA with prior nasal disease

LV 861

Classification

LV 861

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

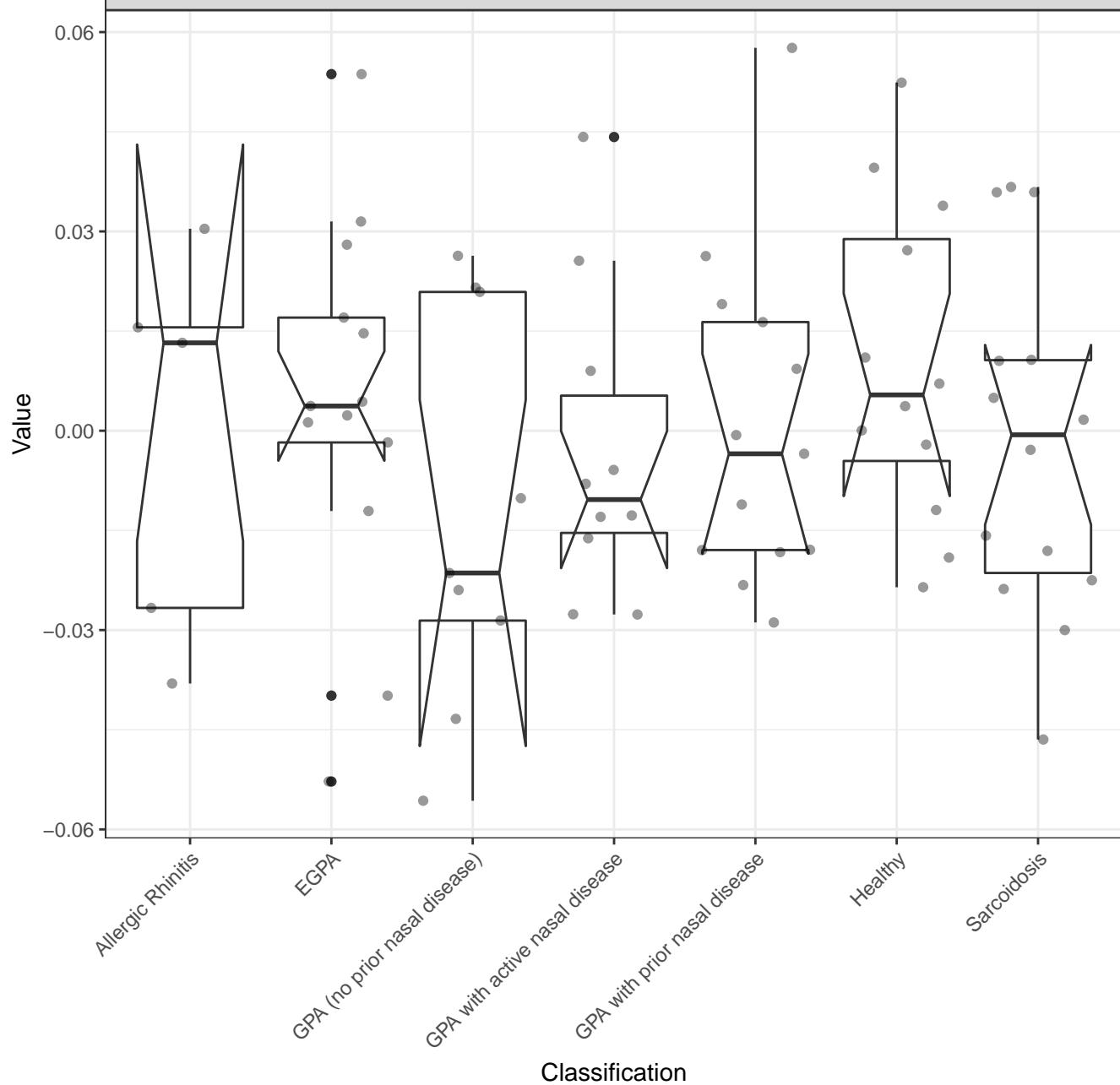
GPA with prior nasal disease

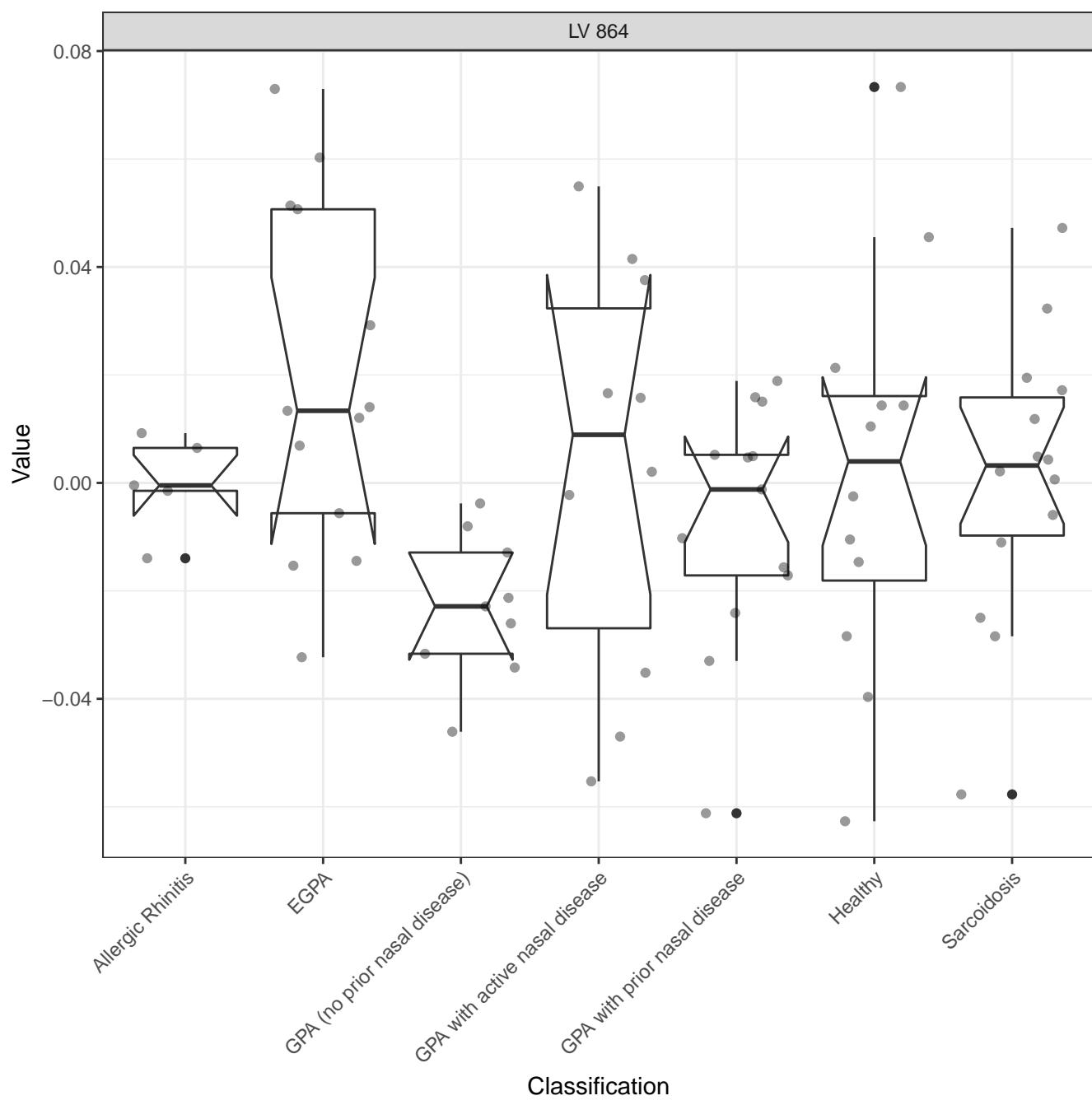
Healthy

Sarcoidosis

Classification

LV 863





865,PID_FANCONI_PATHWAY

Value

0.25

0.00

-0.25

-0.50

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

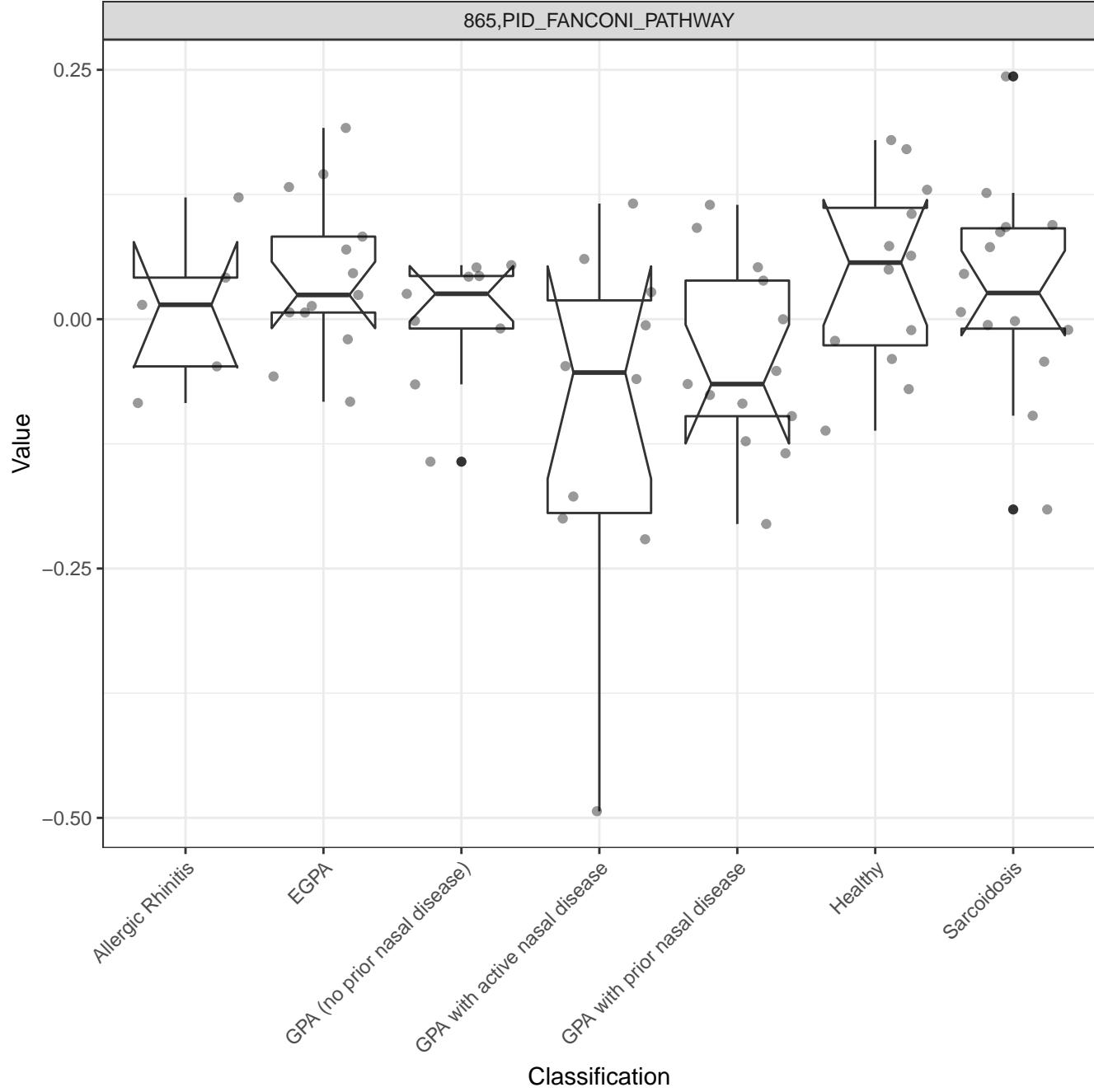
GPA with active nasal disease

GPA with prior nasal disease

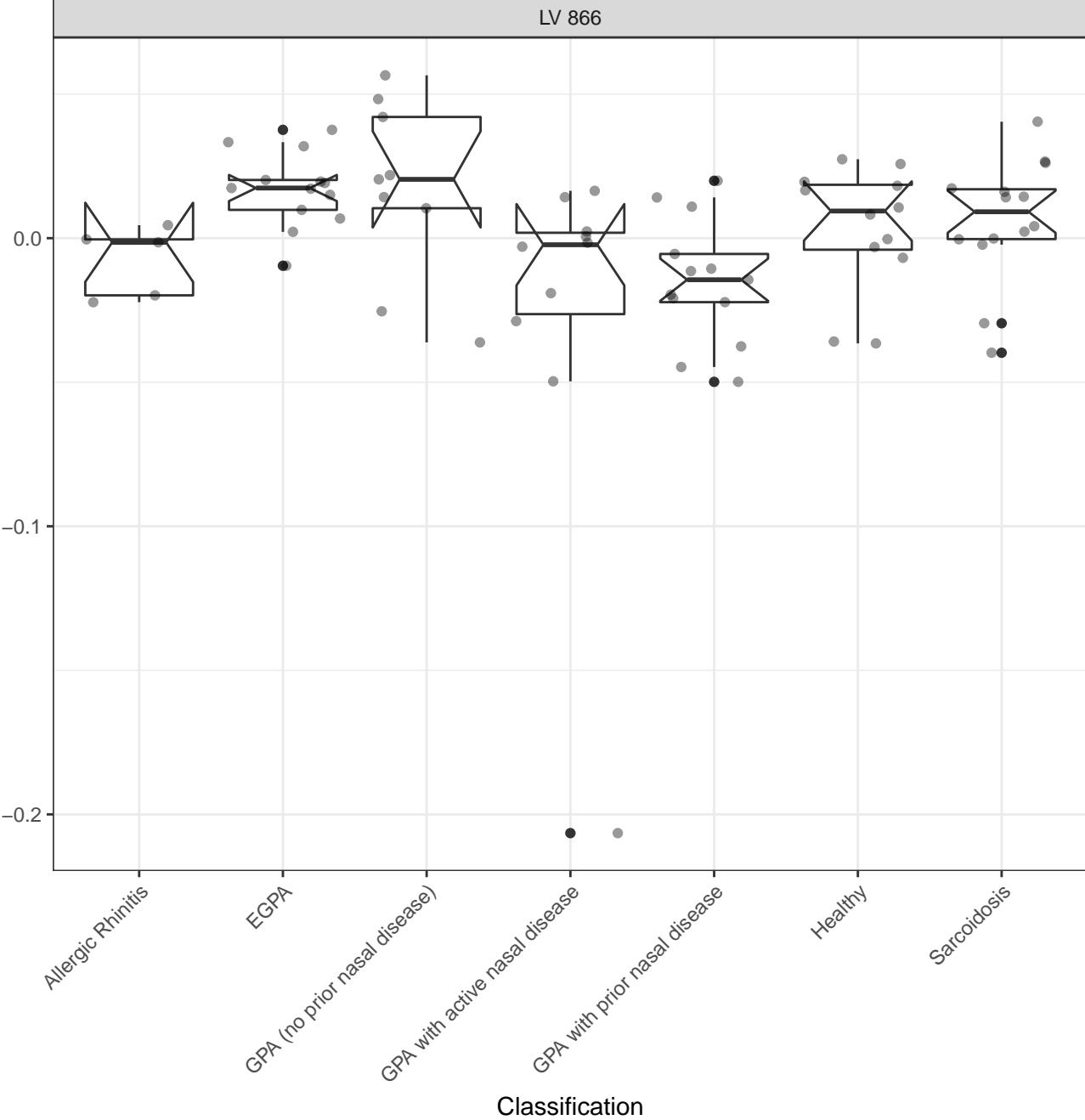
Healthy

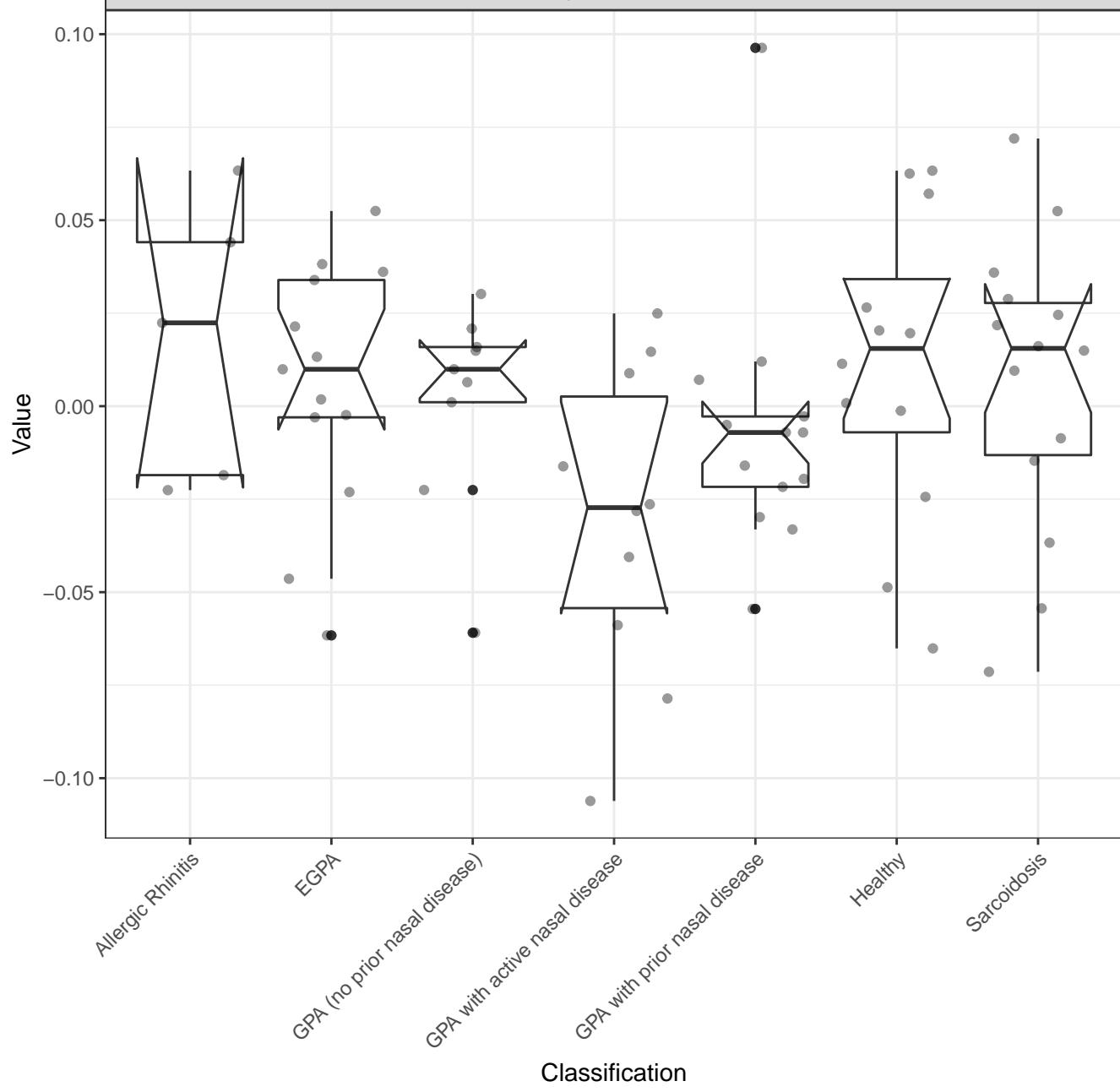
Sarcoidosis

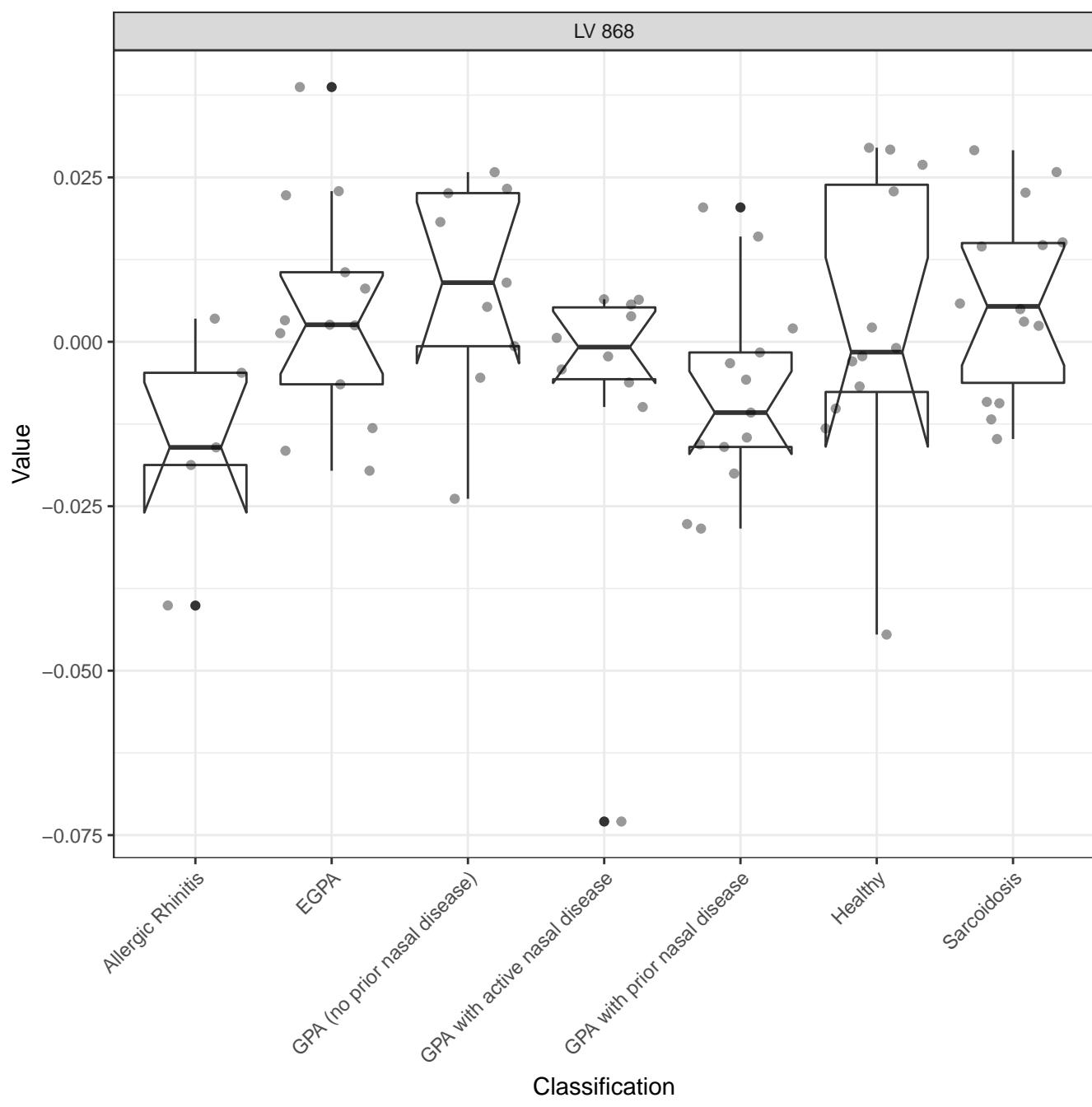
Classification



Value







Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

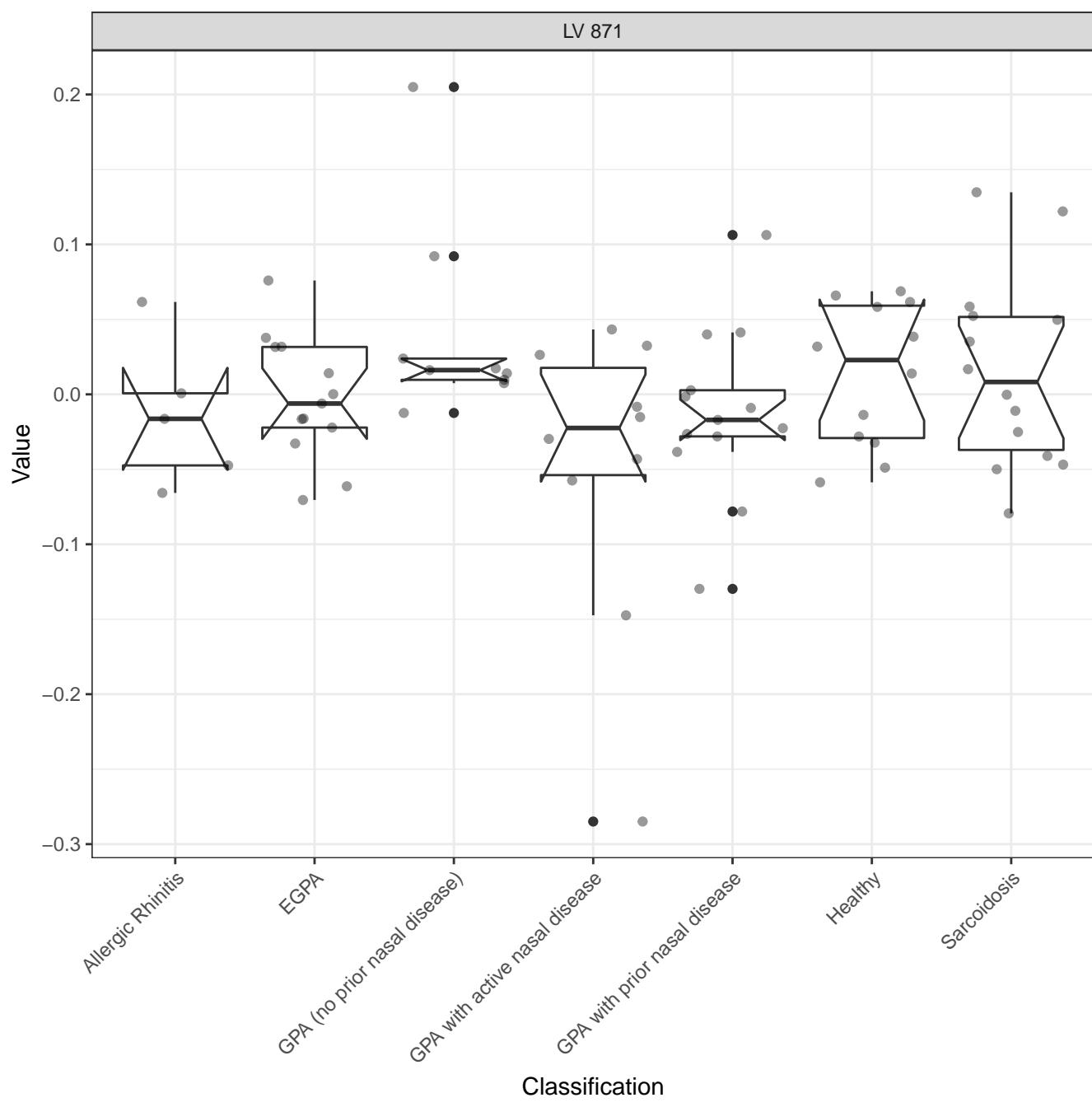
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.04

0.02

0.00

-0.02

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 873

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

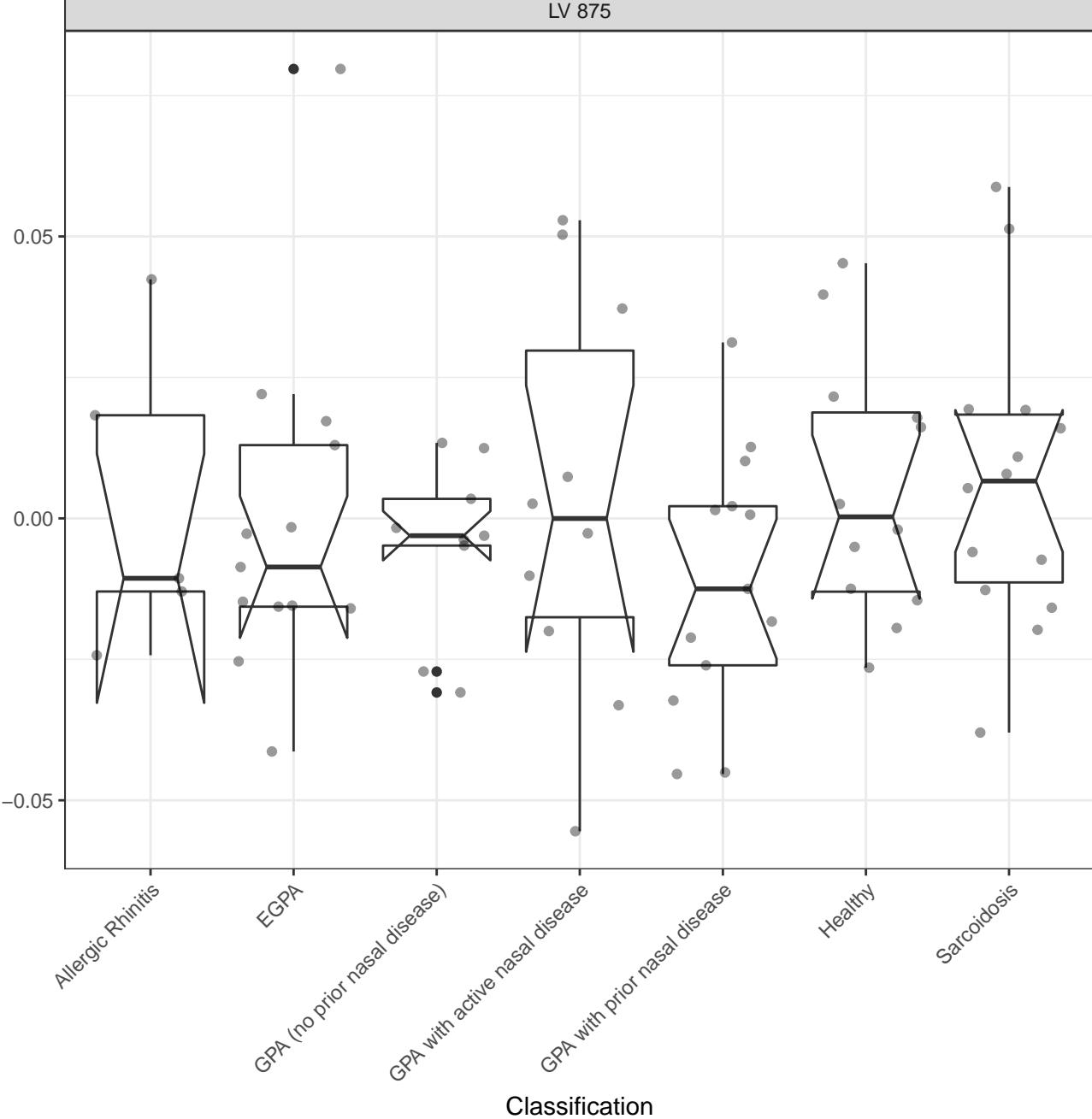
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

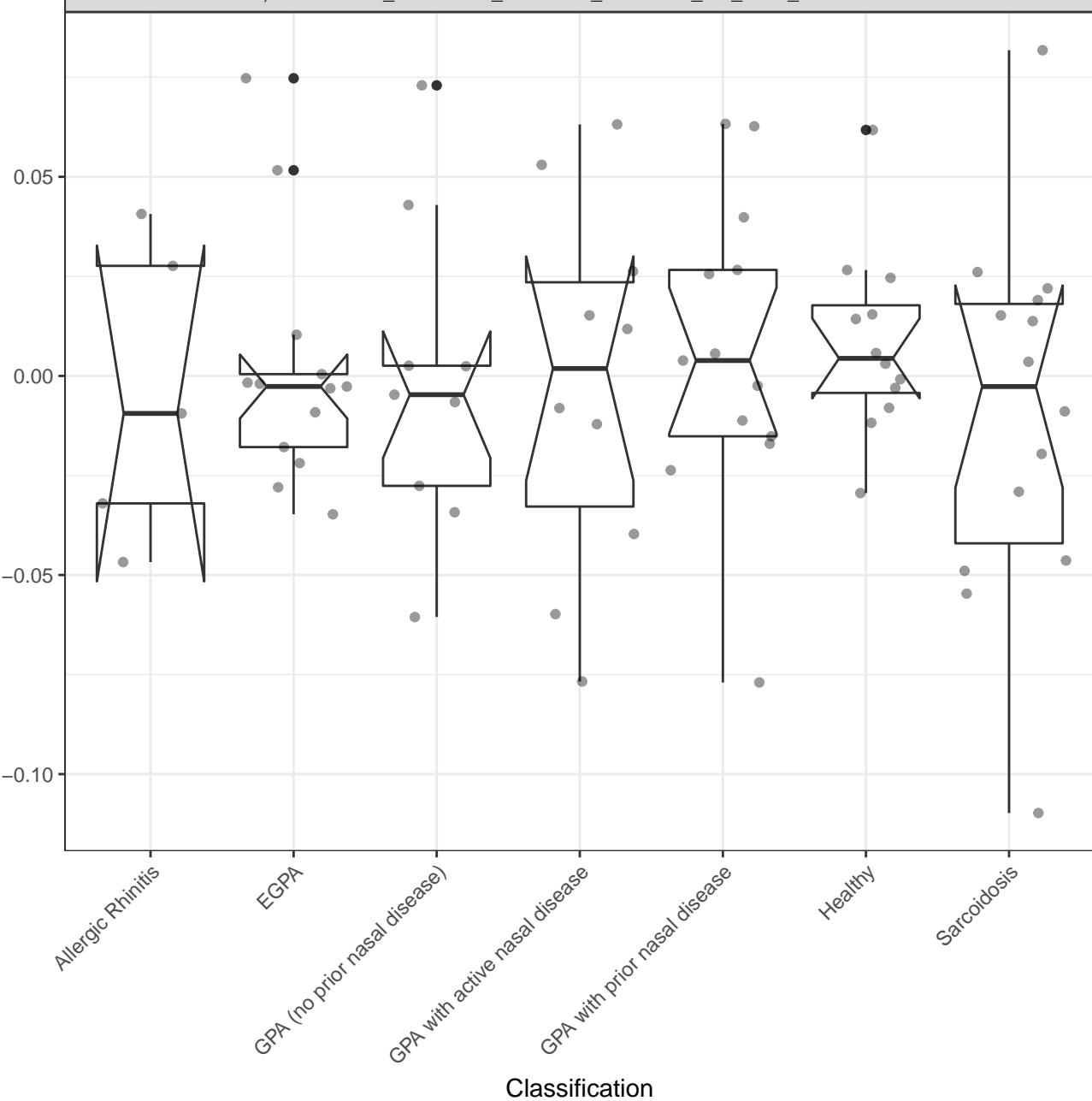
Healthy

Sarcoidosis

Classification

879,REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM

Value



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

881,REACTOME_DNA_STRAND_ELONGATION

Value

0.4

0.2

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

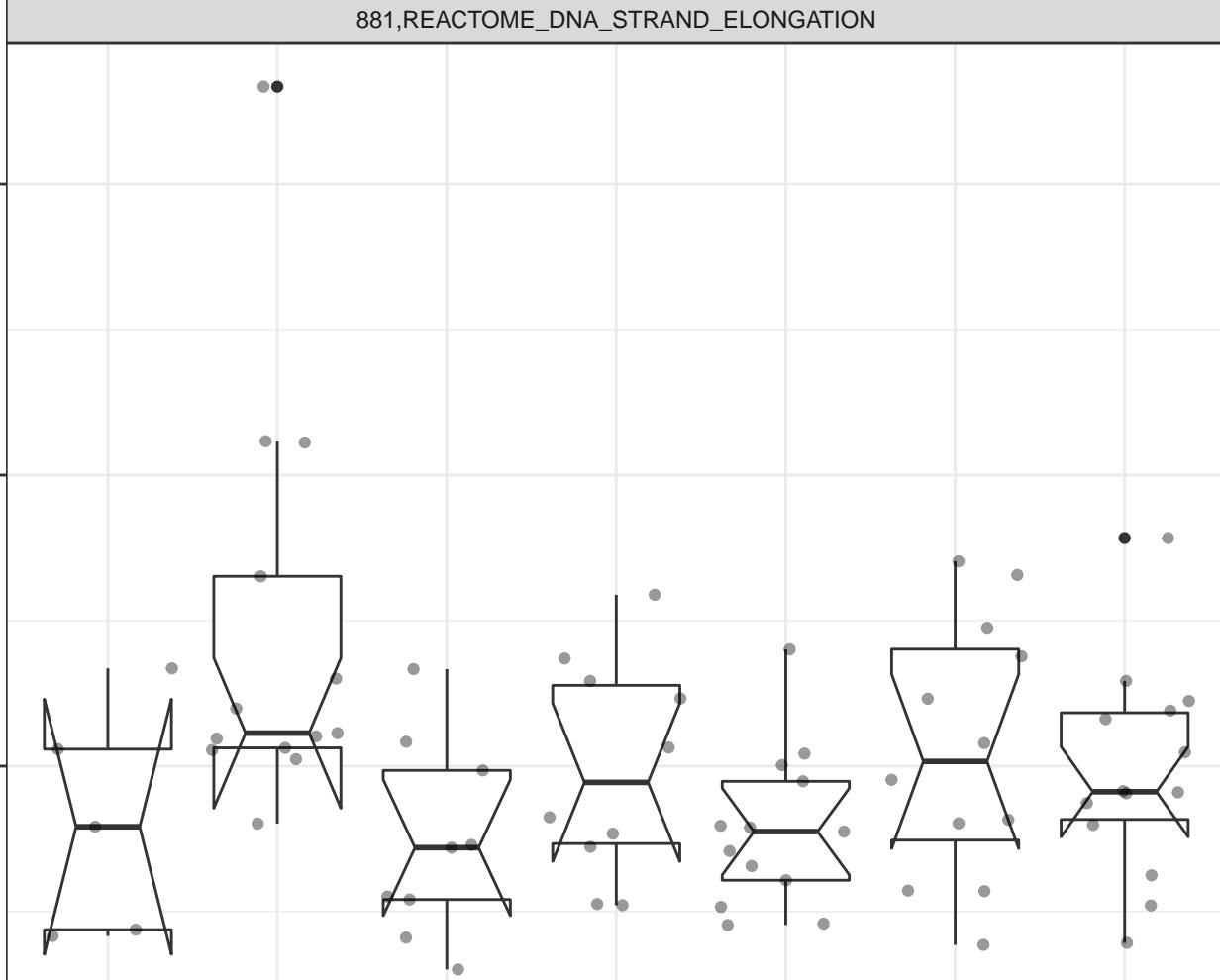
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

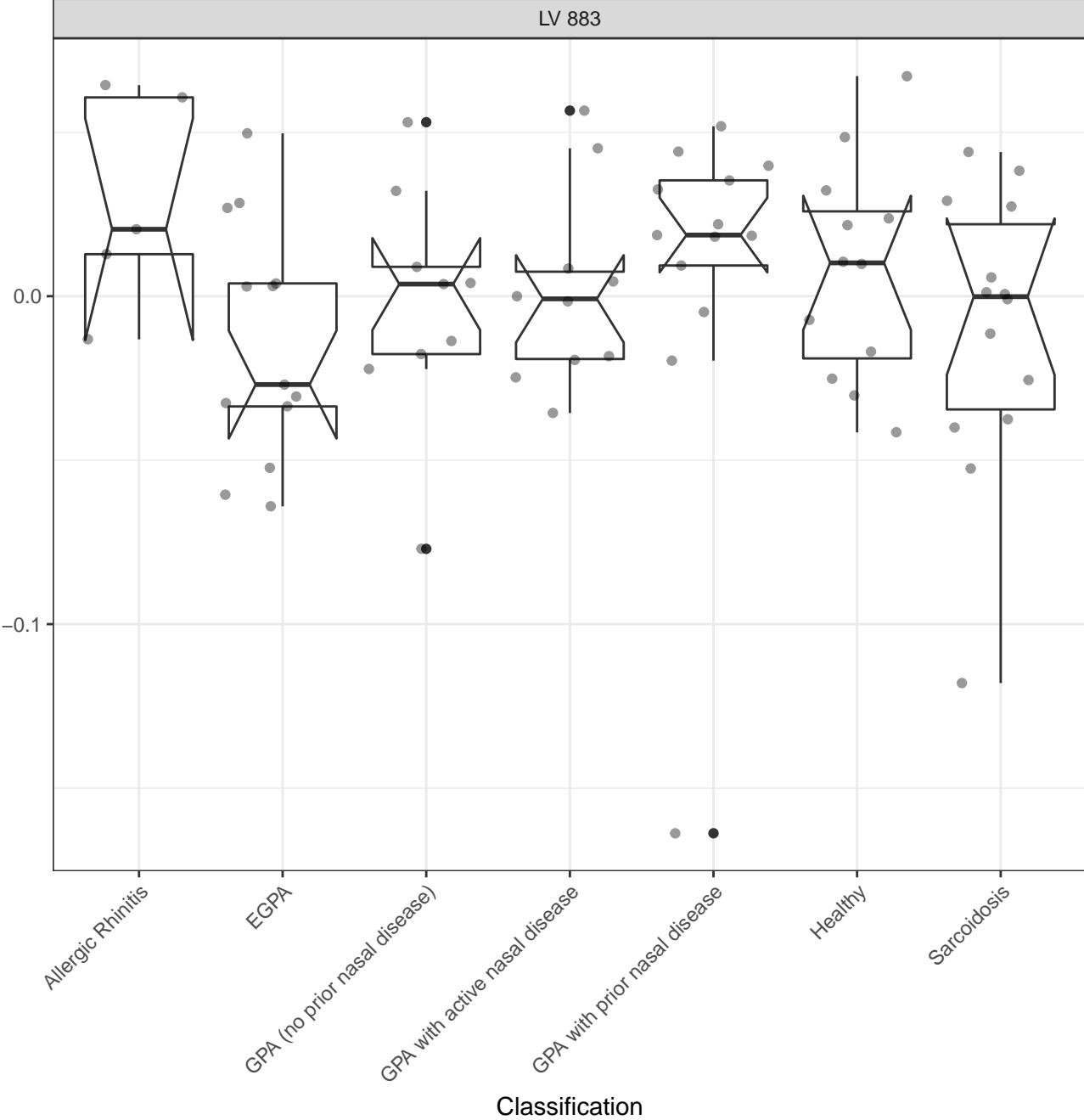
GPA with active nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

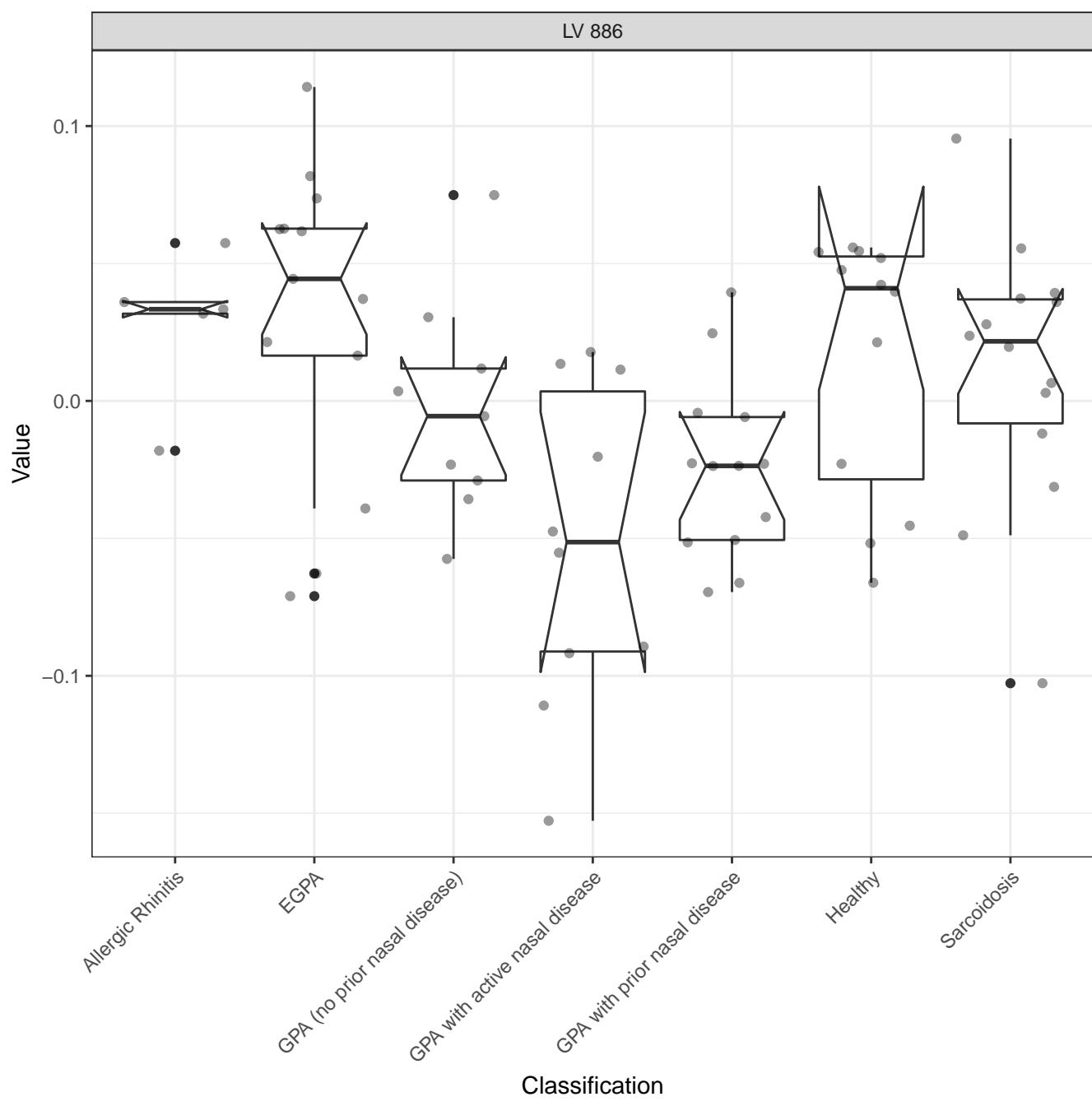
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

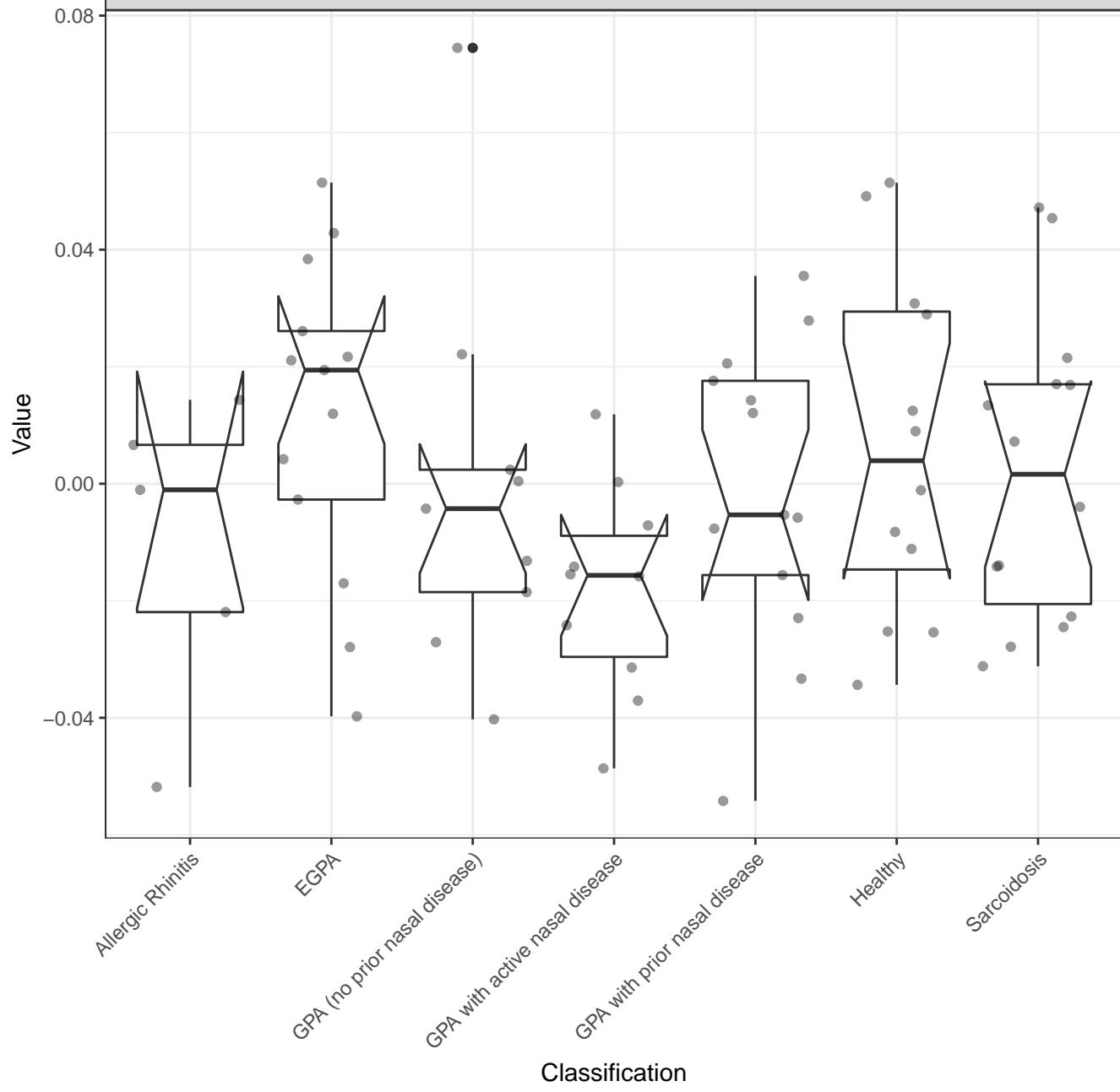
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

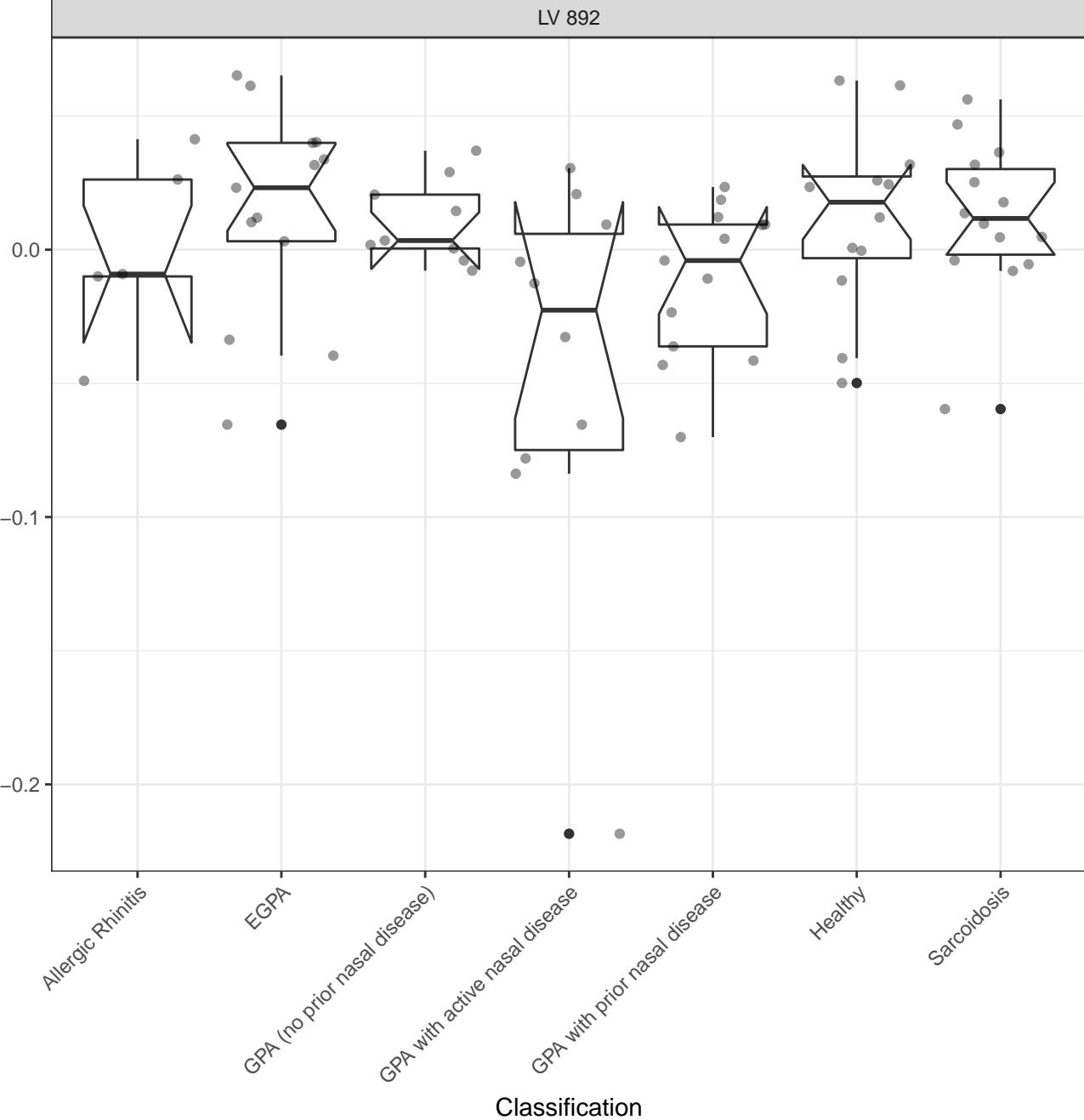
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

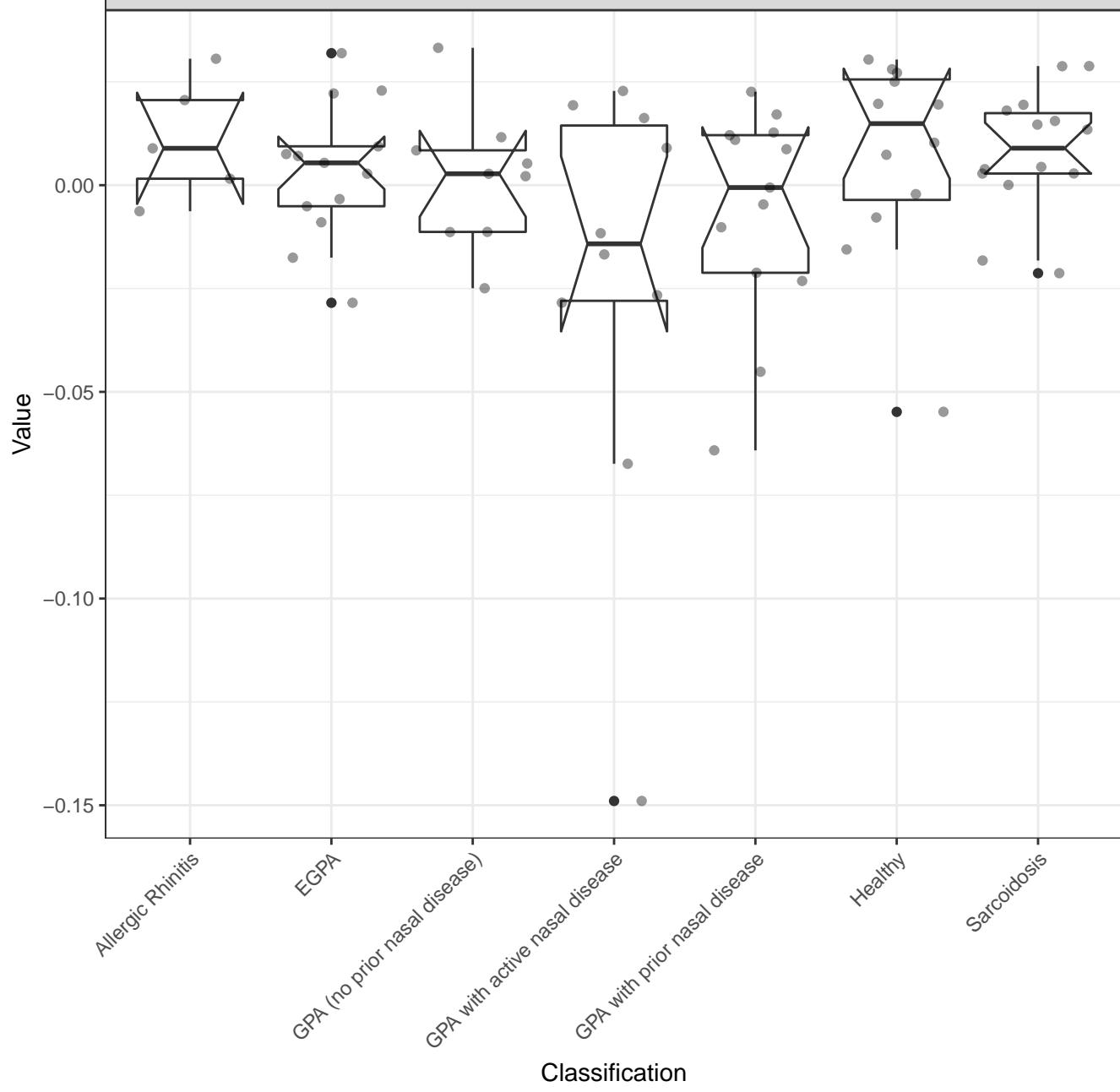
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.2

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

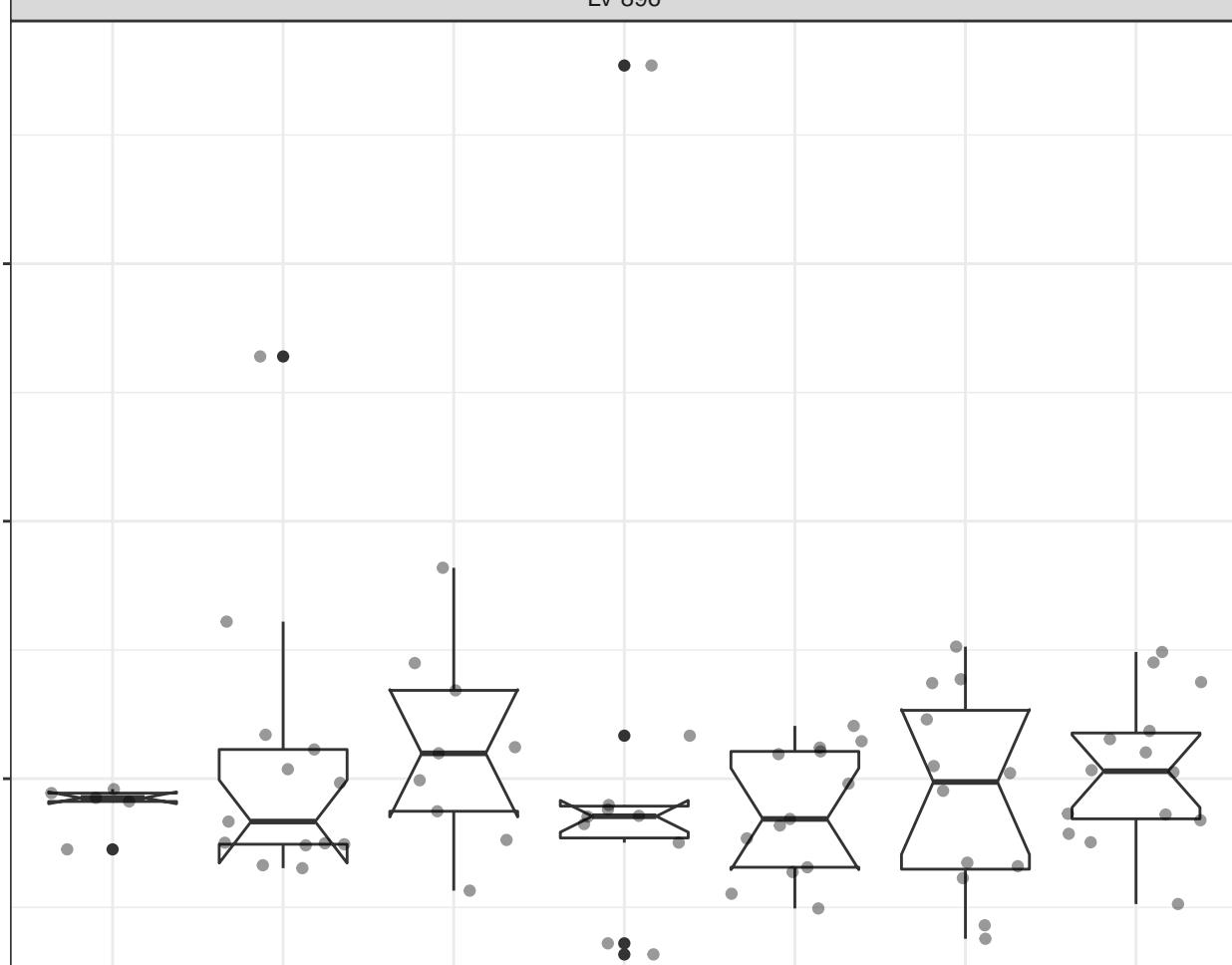
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

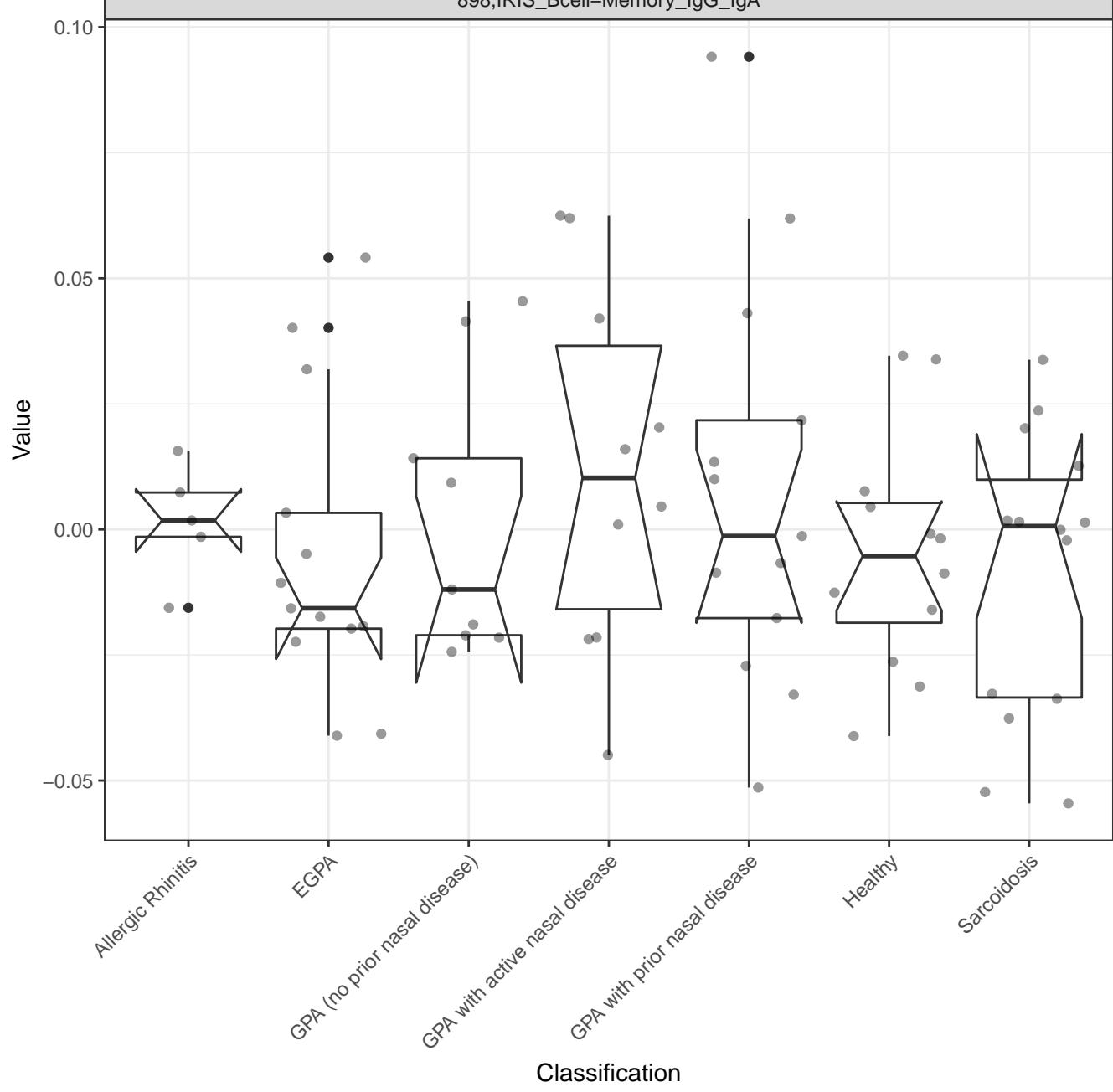
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.1

0.0

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

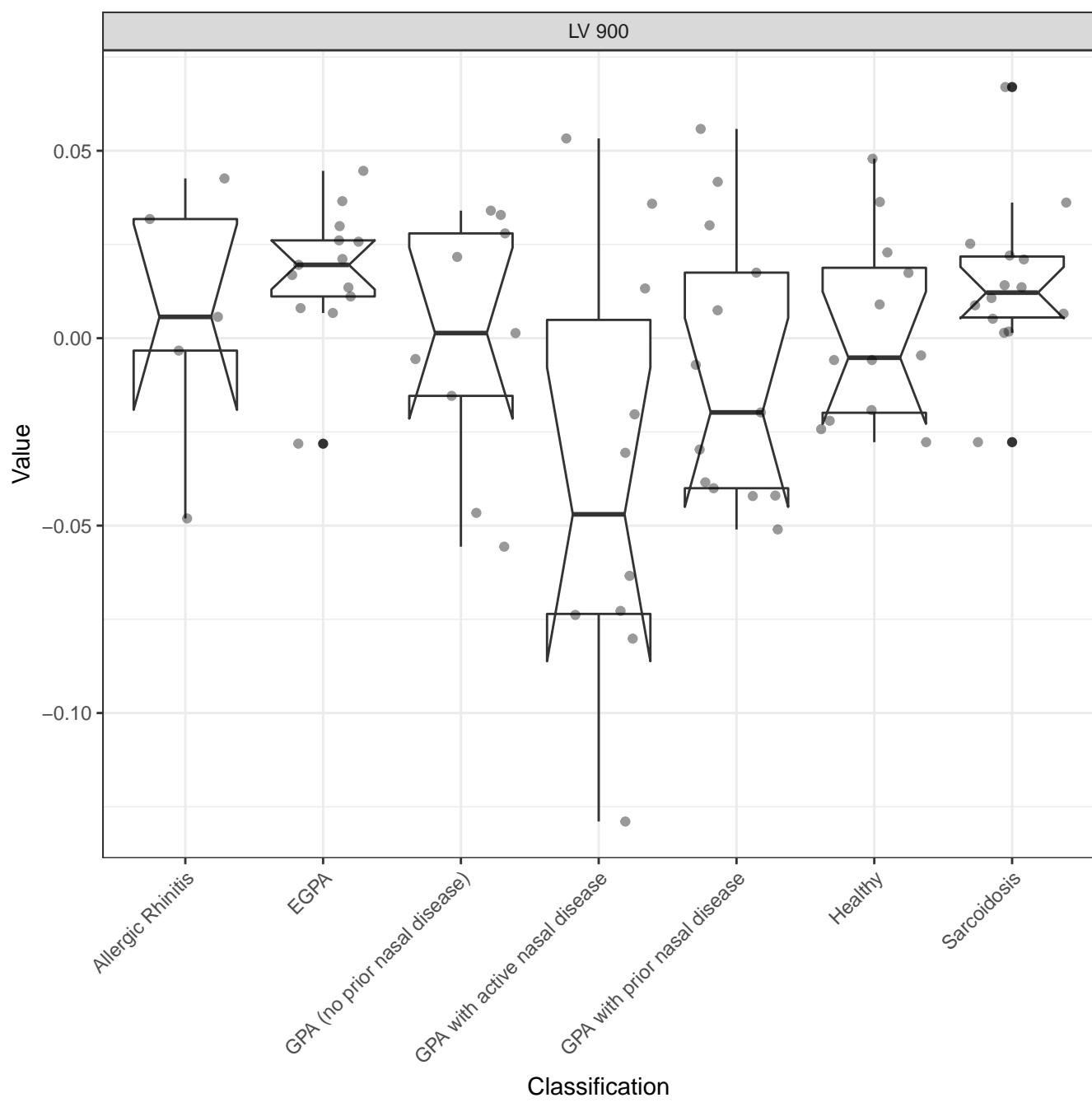
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.0

-0.2

-0.4

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

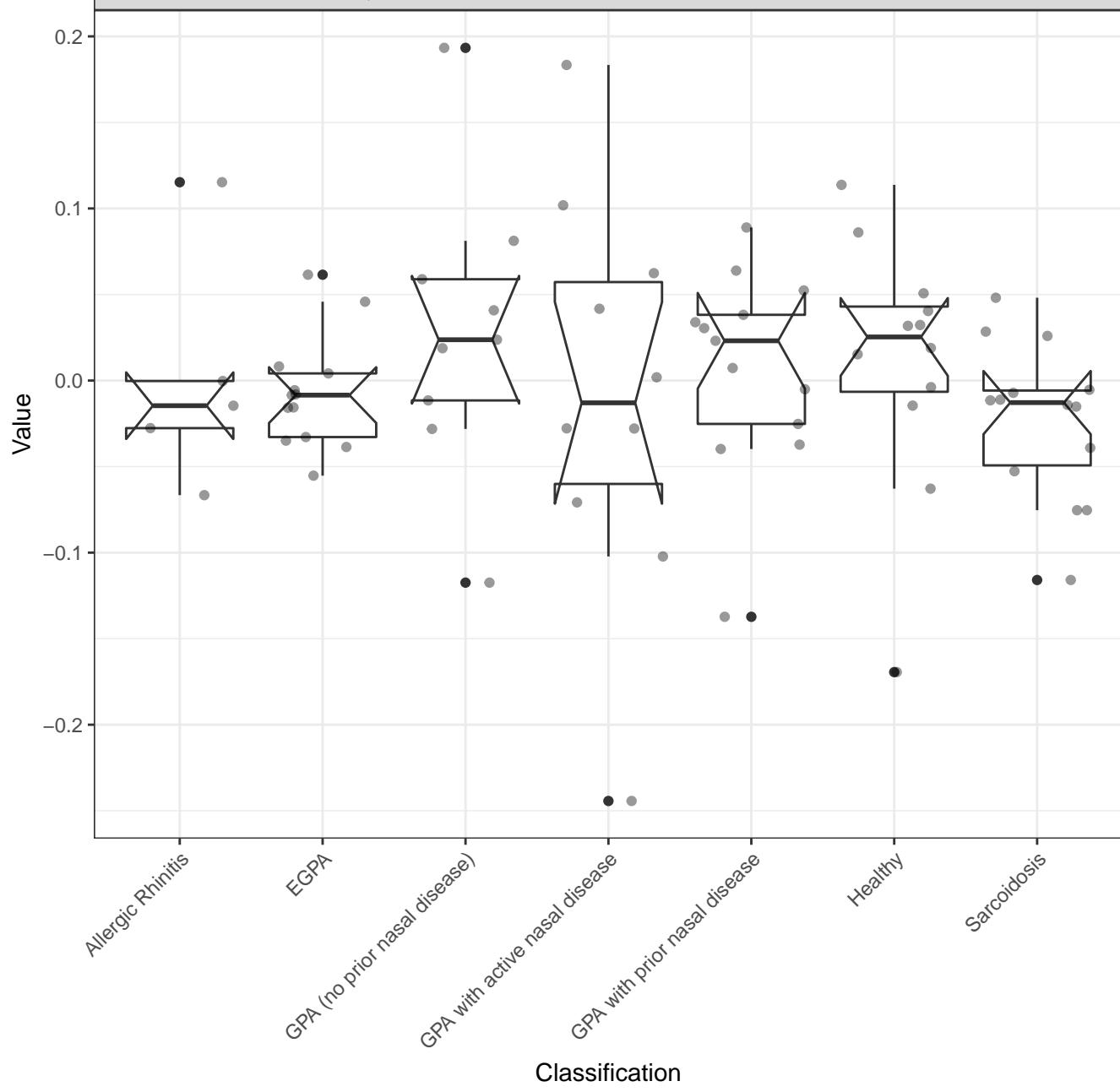
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

905,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX



Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.01

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

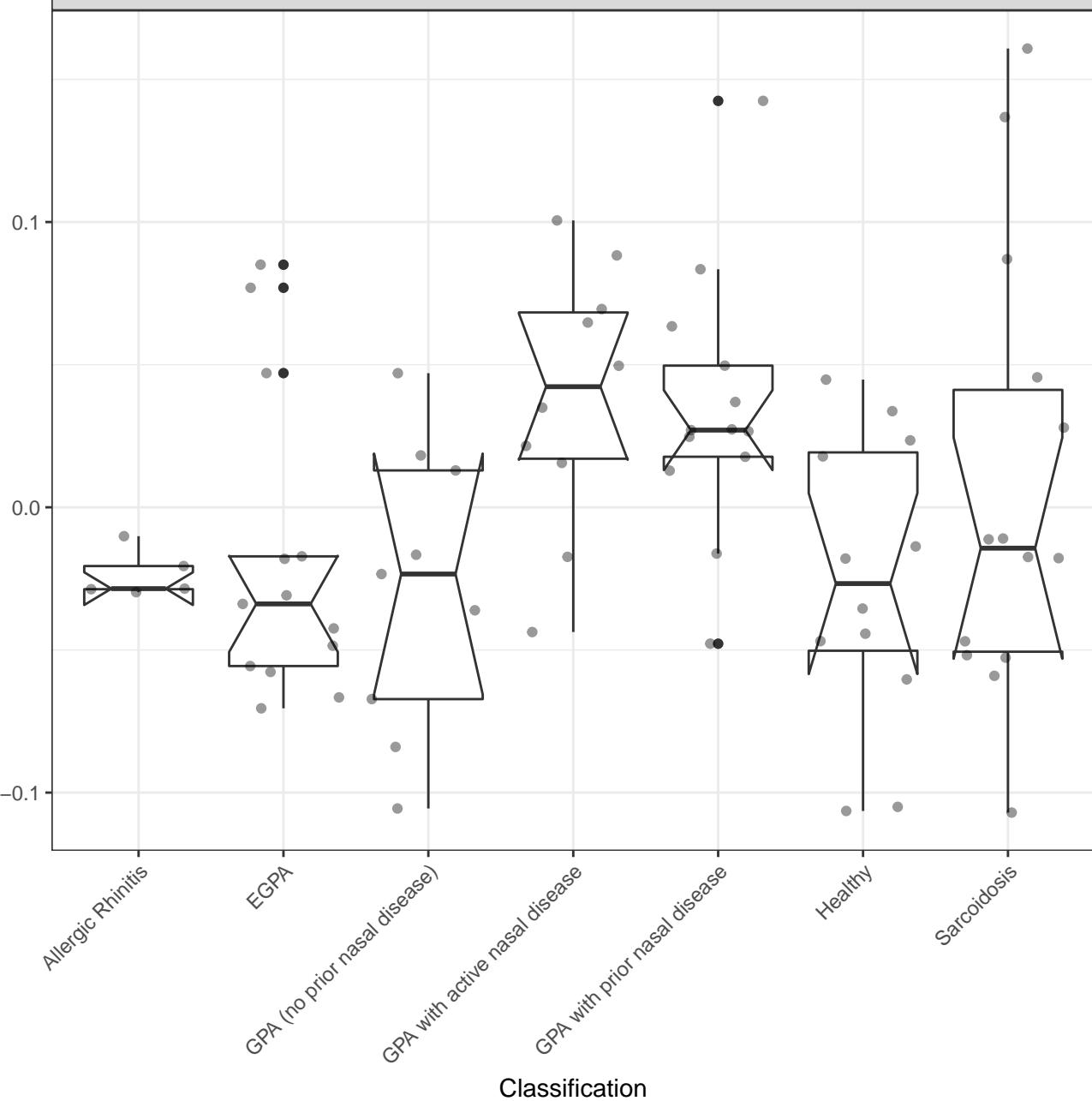
GPA with prior nasal disease

Healthy

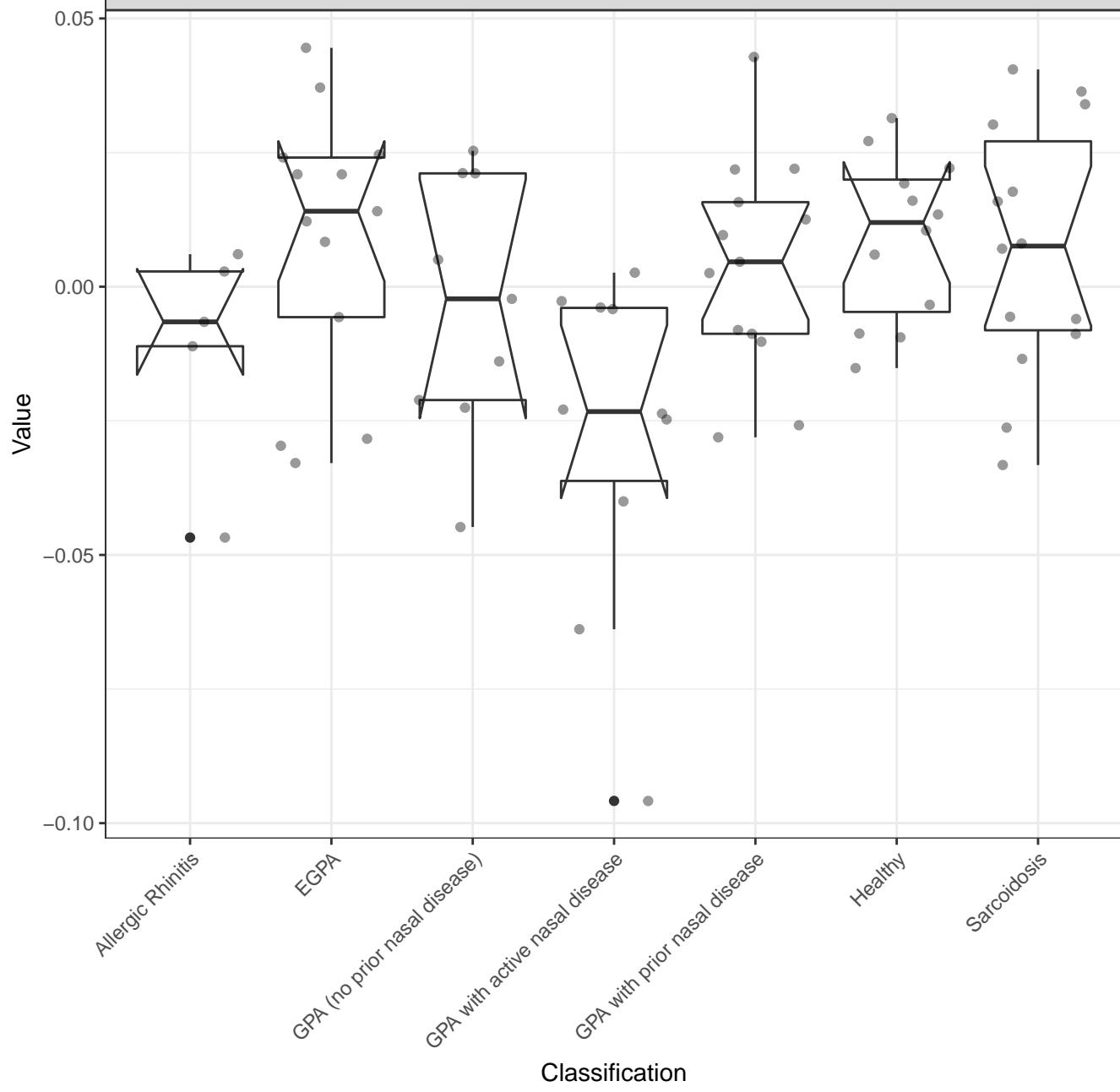
Sarcoidosis

Classification

Value



LV 914



915,MIPS_SPLICEOSOME

Value

0.1

0.0

-0.1

-0.2

-0.3

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

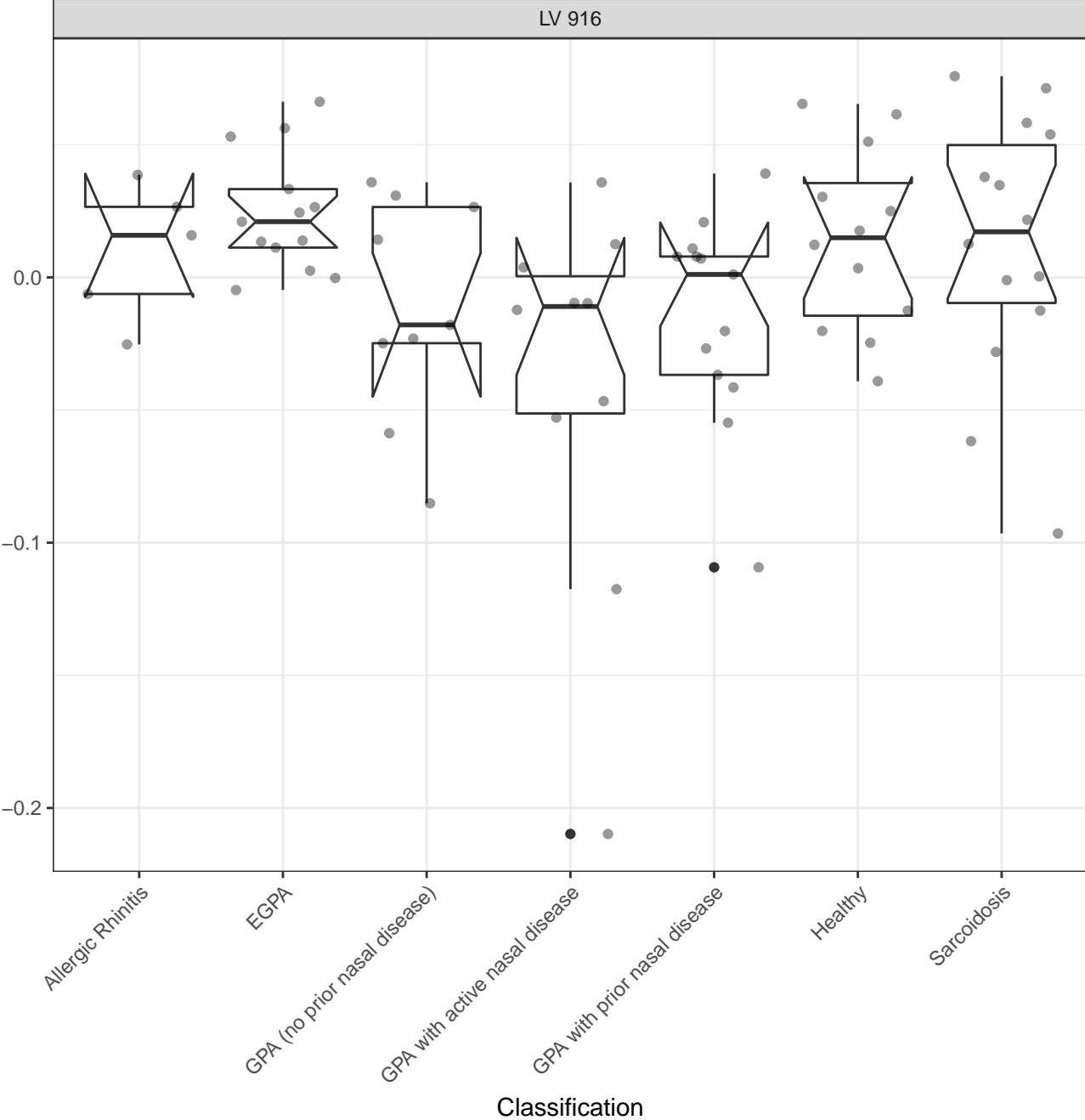
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

LV 918

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA

with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

Healthy

Sarcoidosis

Classification

Value

0.3

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

921,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX

Value

0.05
0.00
-0.05
-0.10
-0.15
-0.20

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

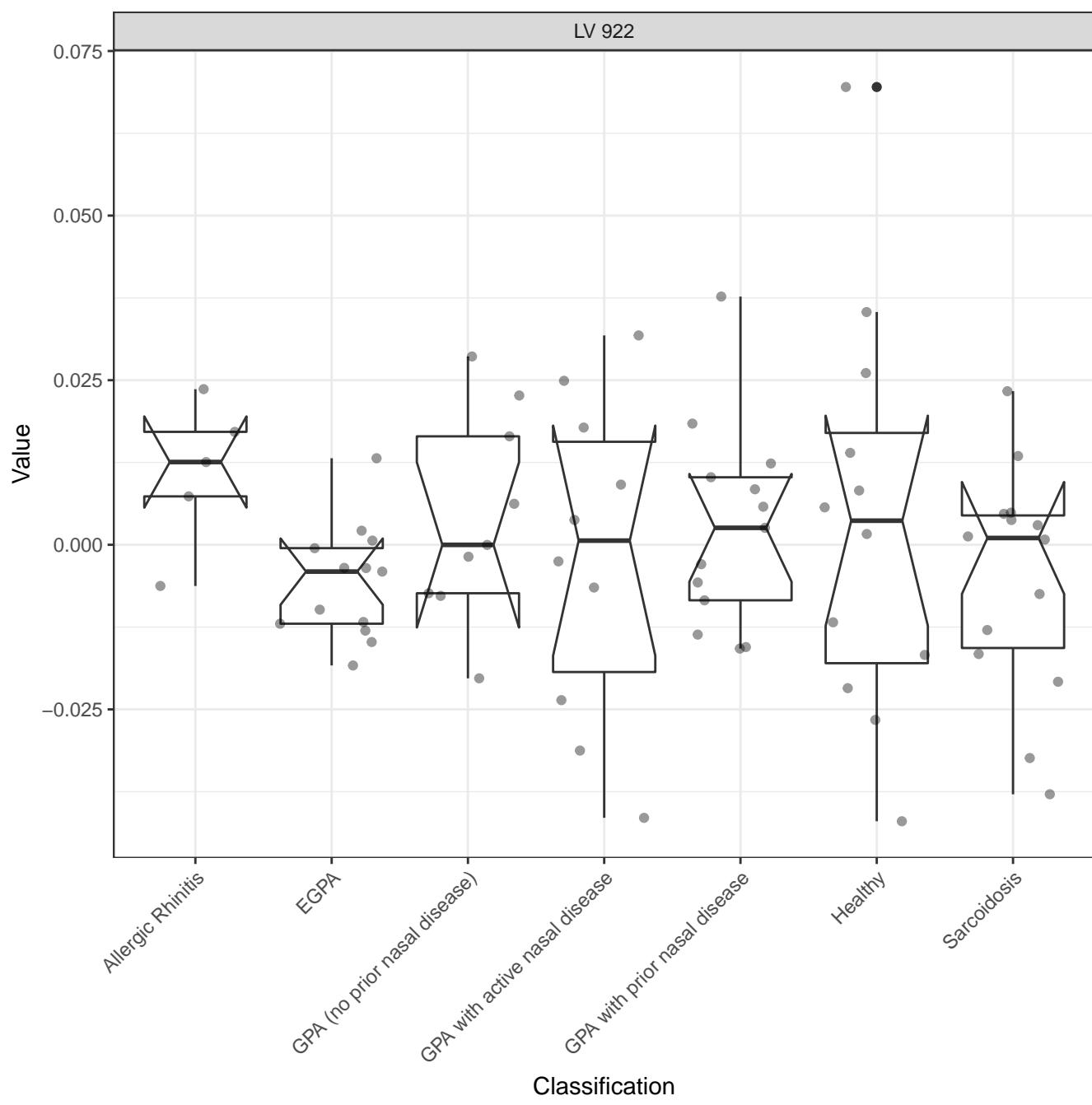
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

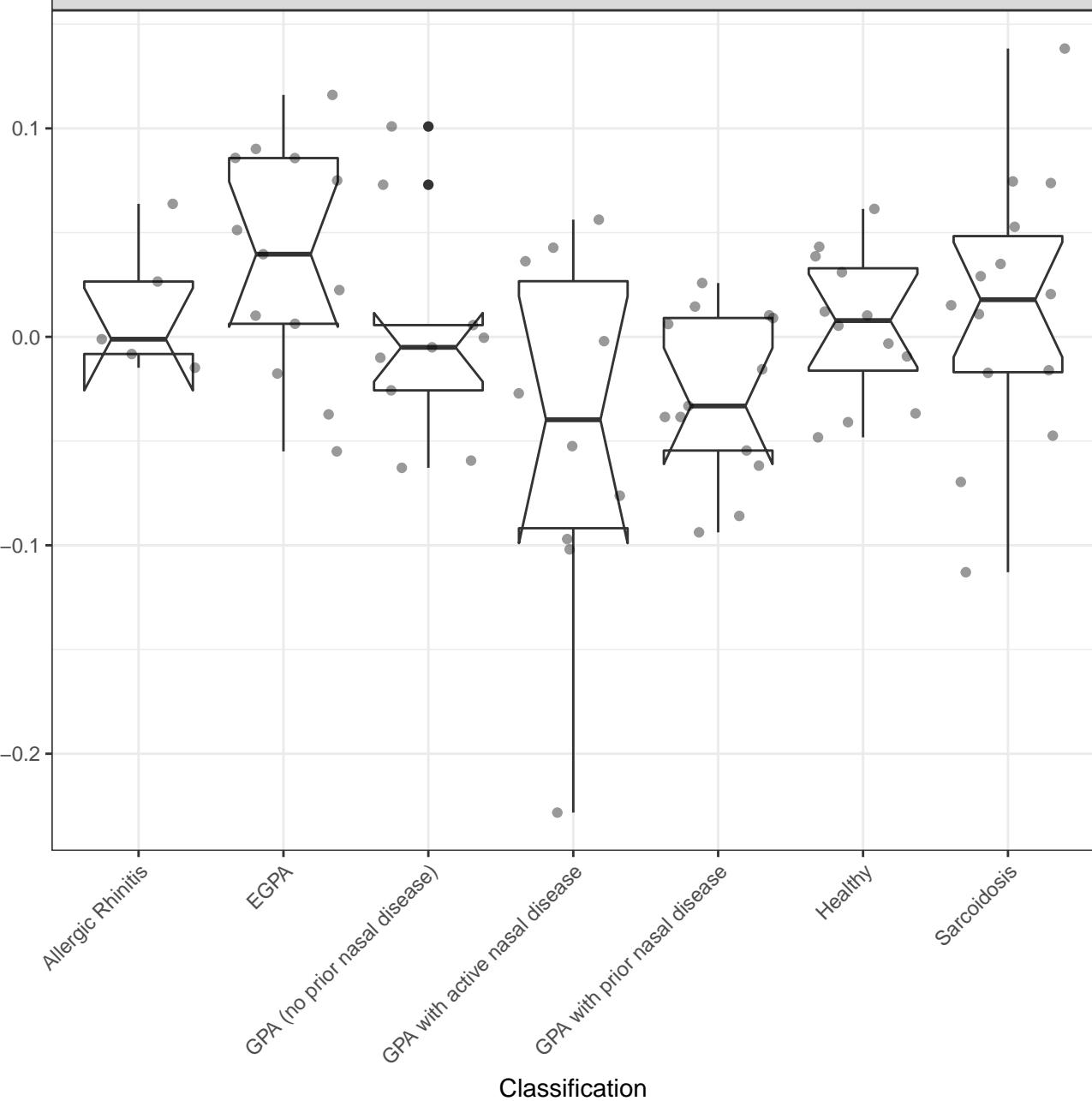
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.15
0.10
0.05
0.00
-0.05
-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

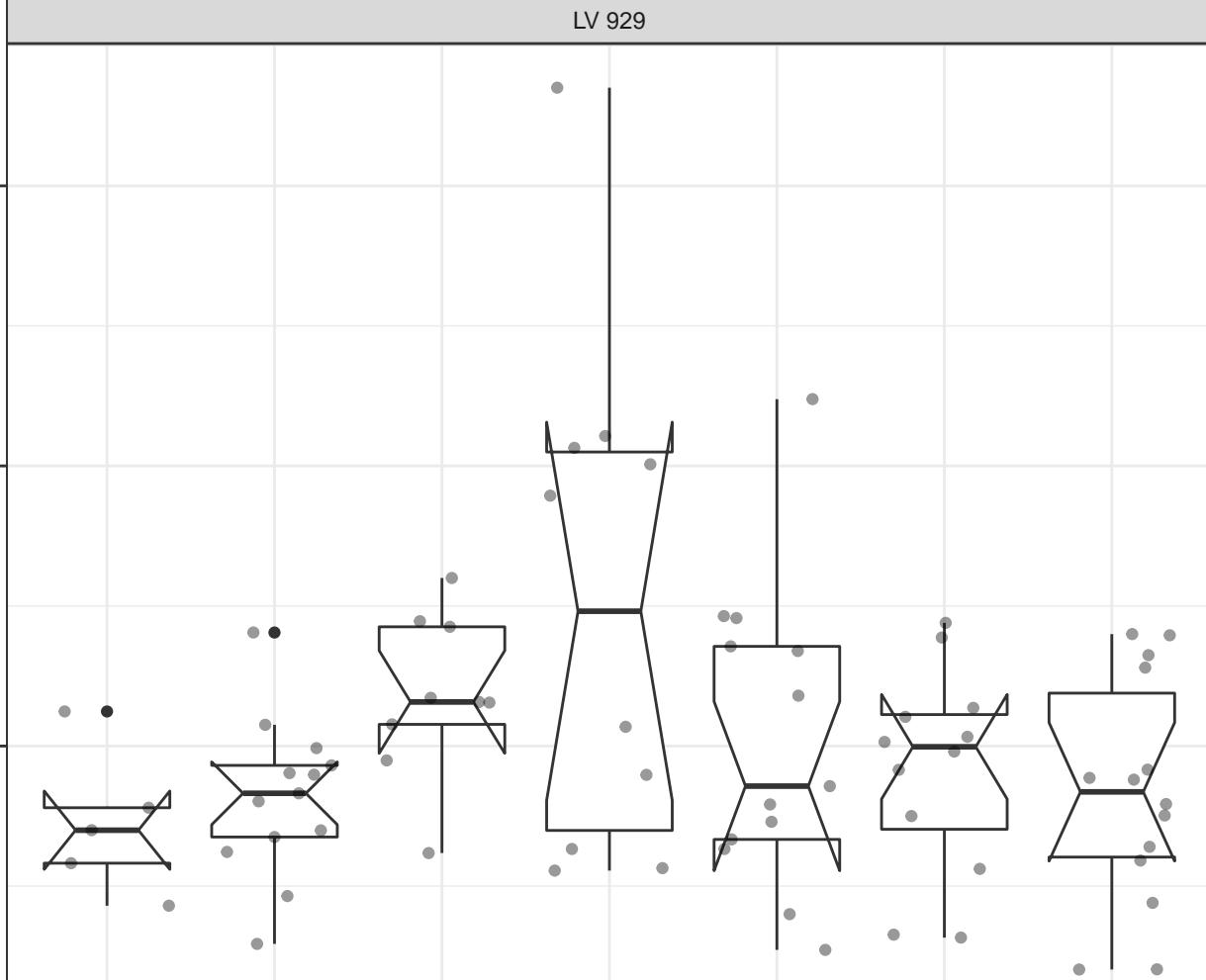
GPA with active nasal disease

GPA with prior nasal disease

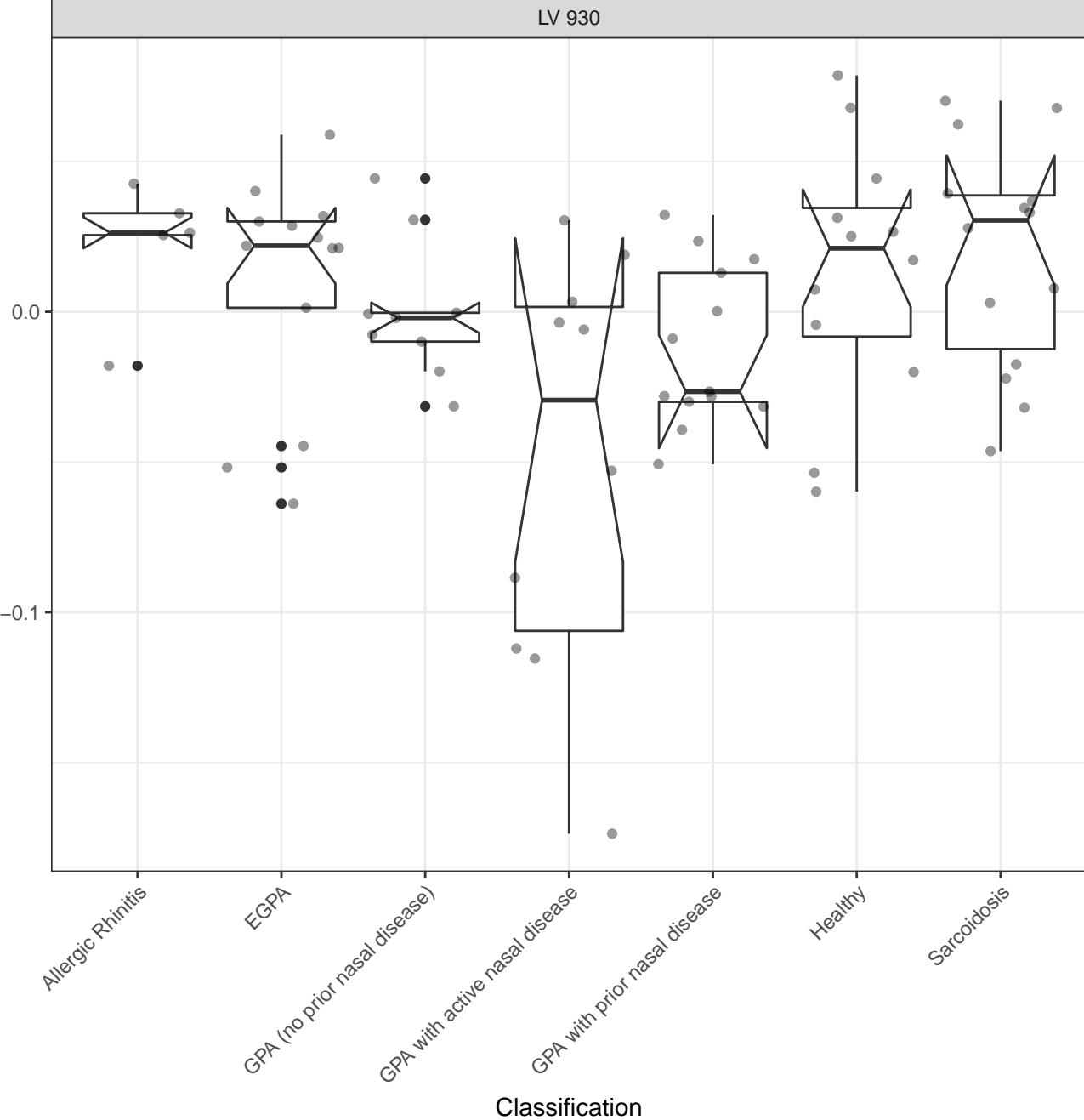
Healthy

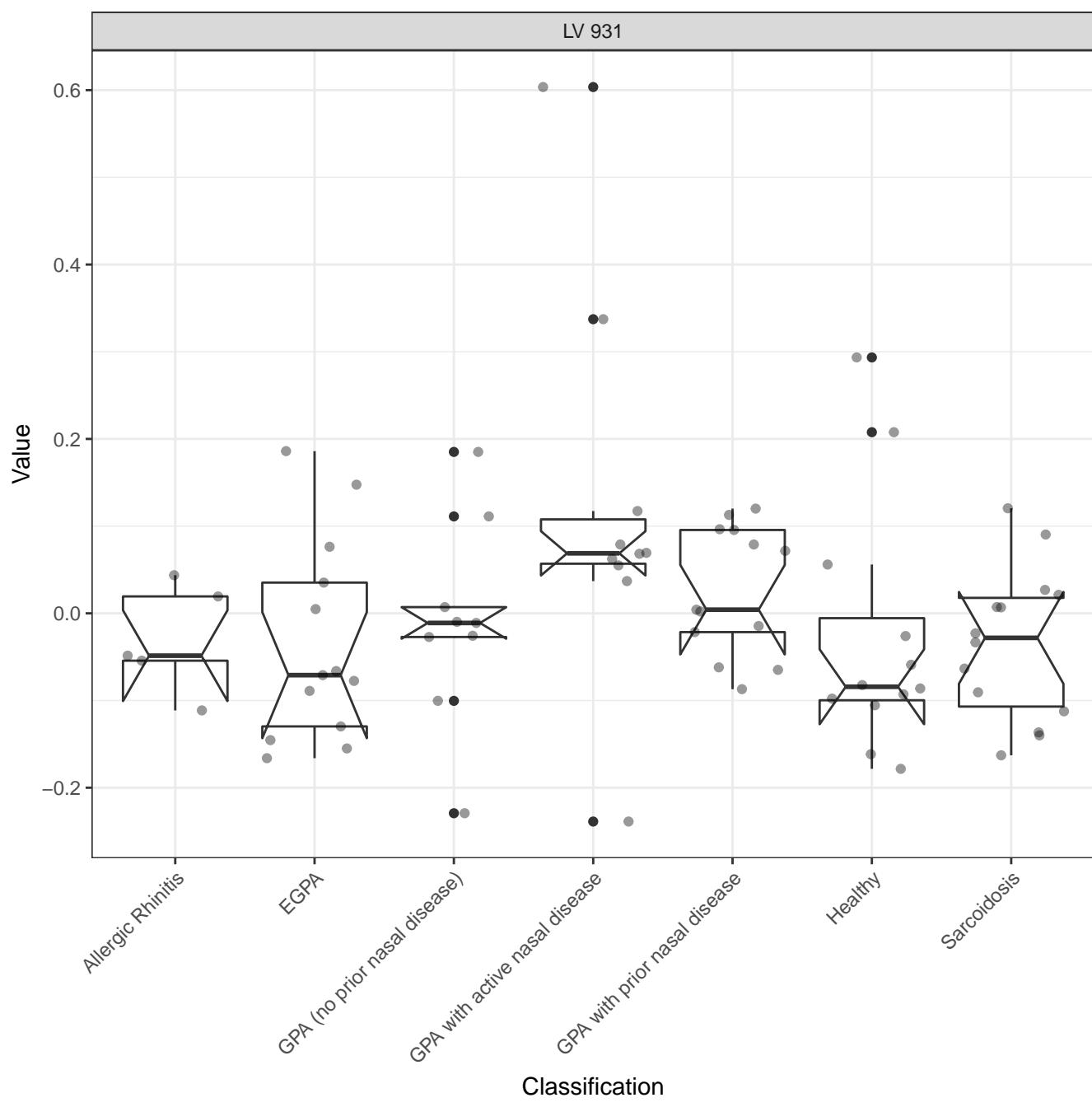
Sarcoidosis

Classification

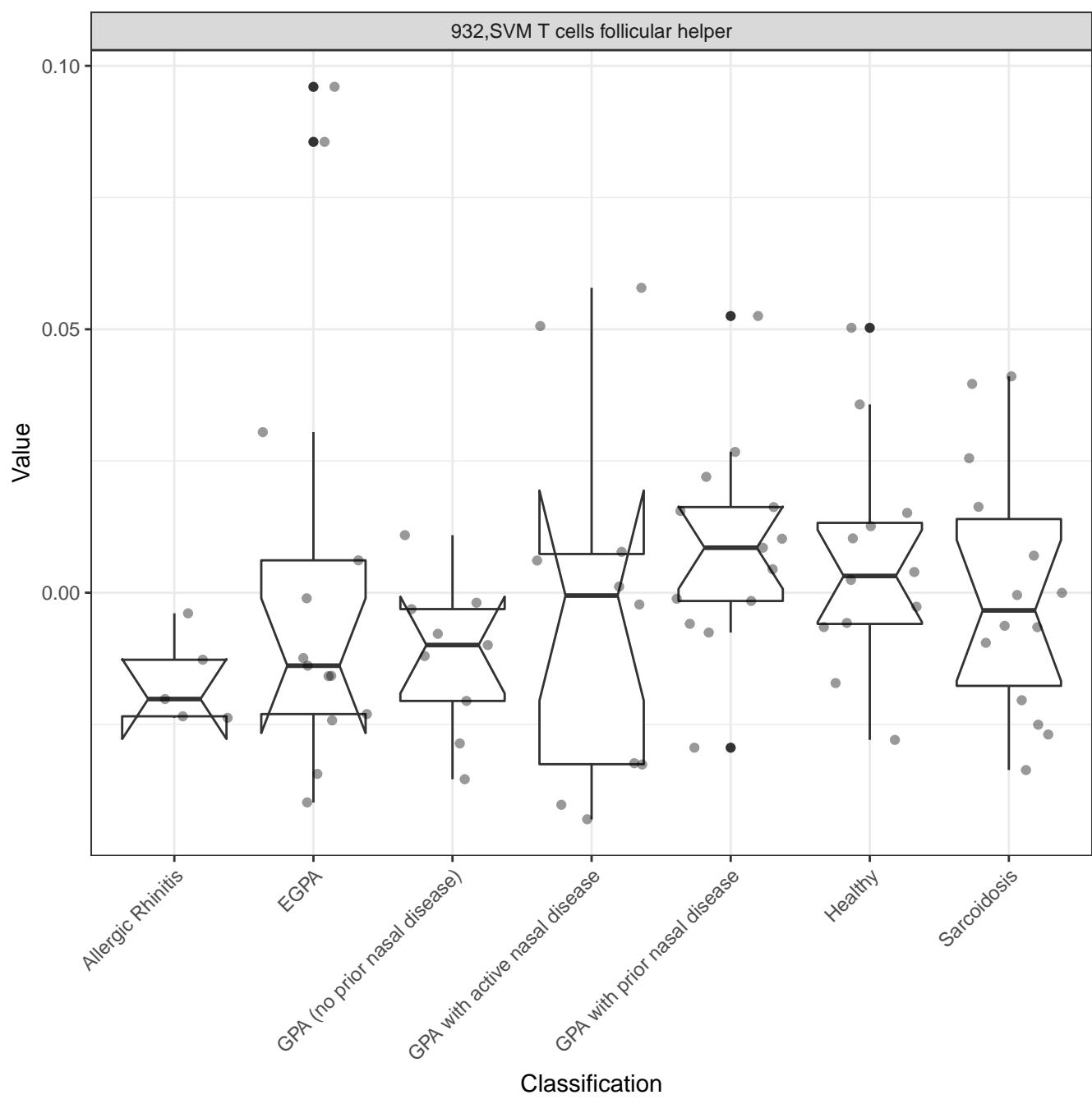


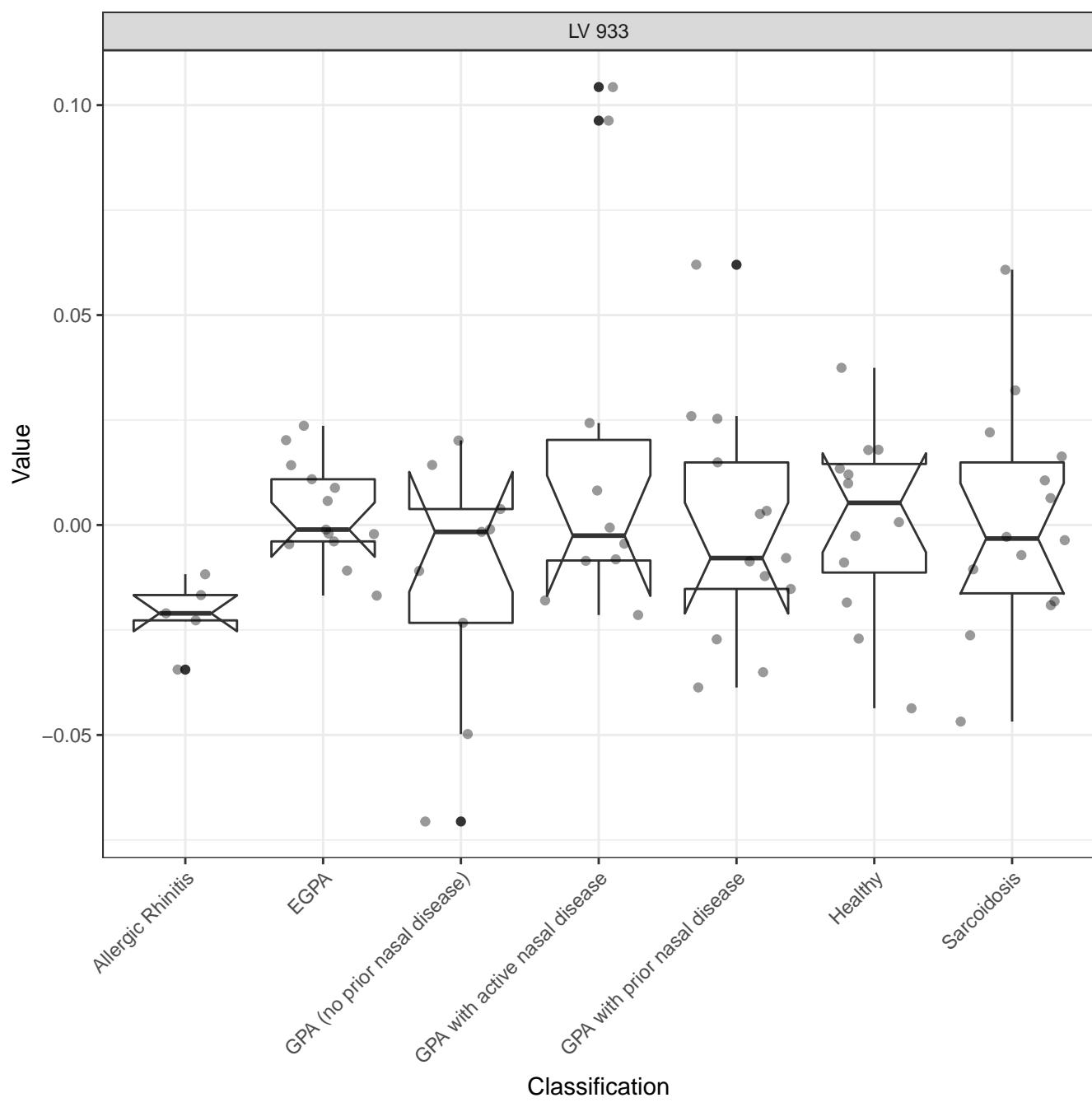
Value





932,SVM T cells follicular helper





Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

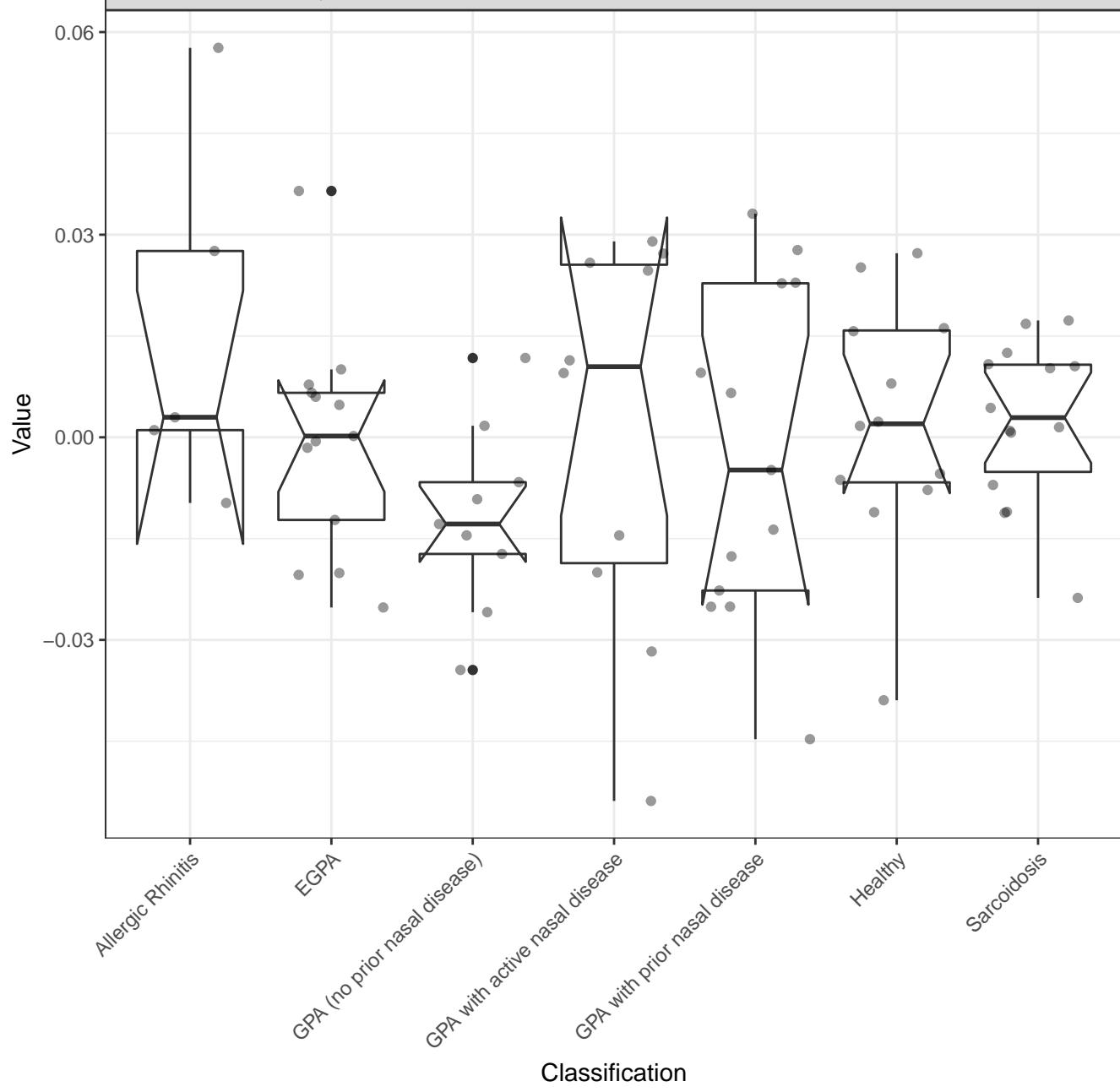
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

935,REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION



LV 936

Value

0.05

0.01

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.4

0.3

0.2

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.06

0.03

0.00

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

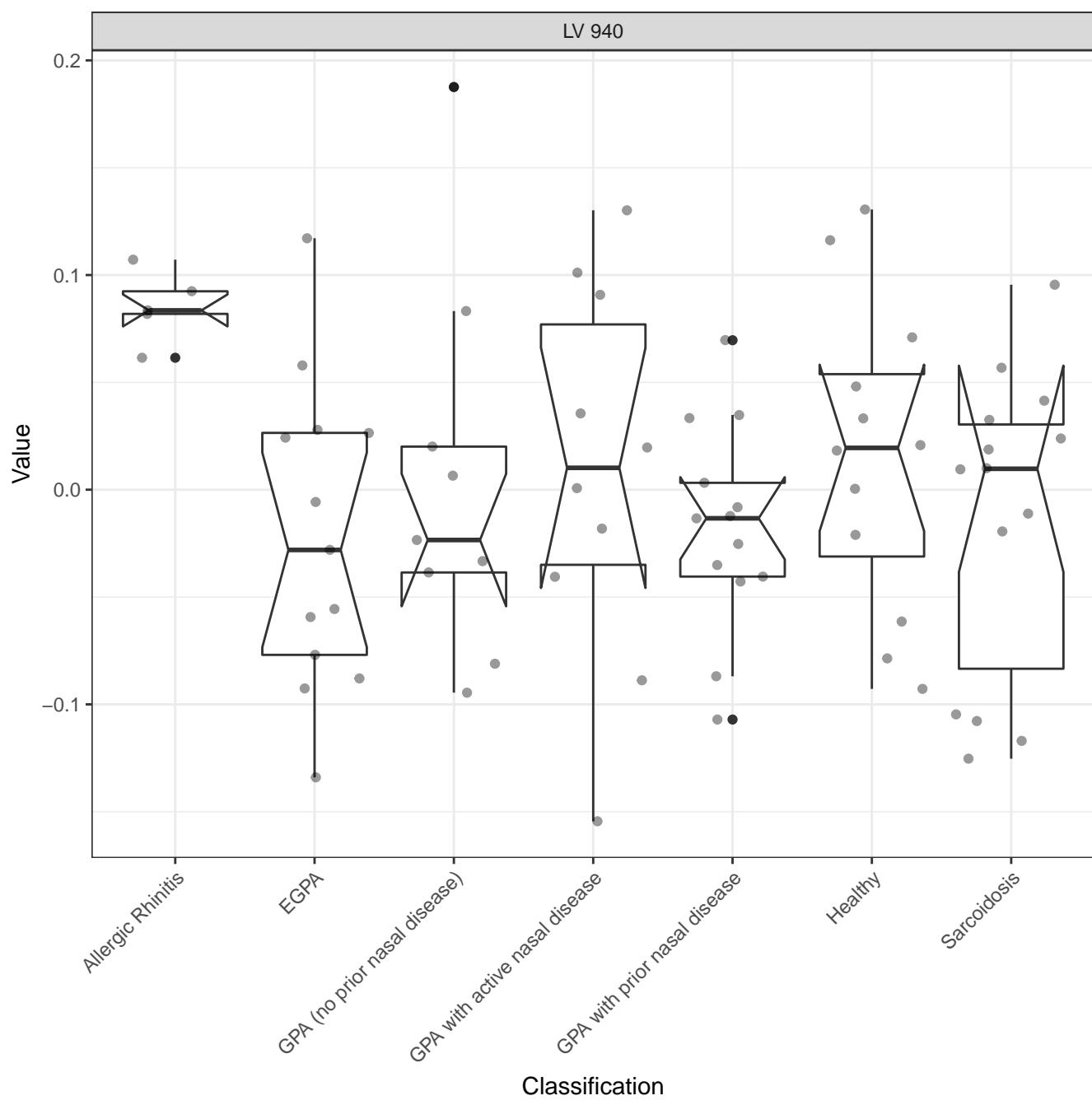
GPA with active nasal disease

GPA with prior nasal disease

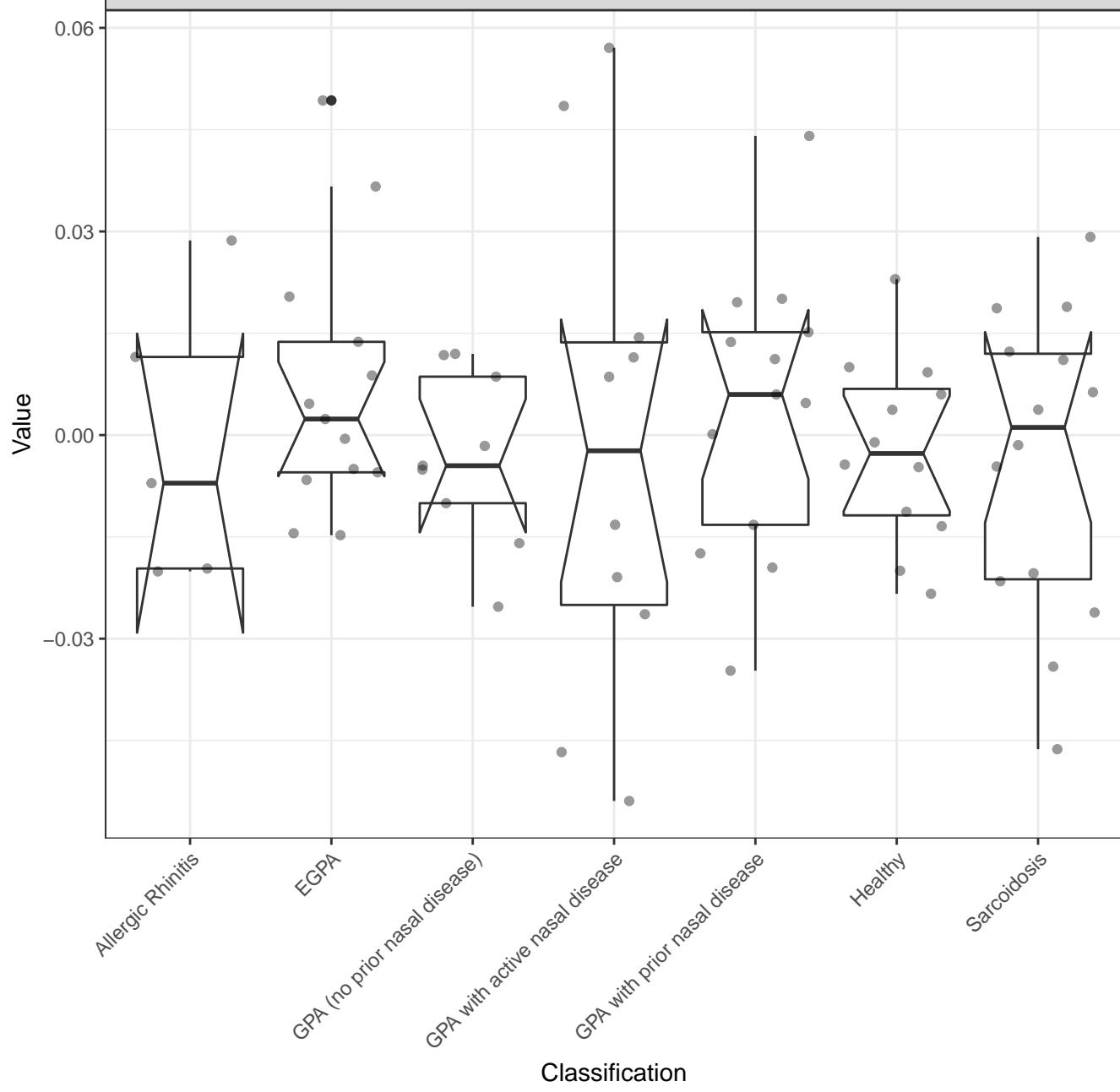
Healthy

Sarcoidosis

Classification



LV 941



942,SVM T cells CD4 memory activated

Value

0.10

0.05

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.04

0.00

-0.04

-0.08

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

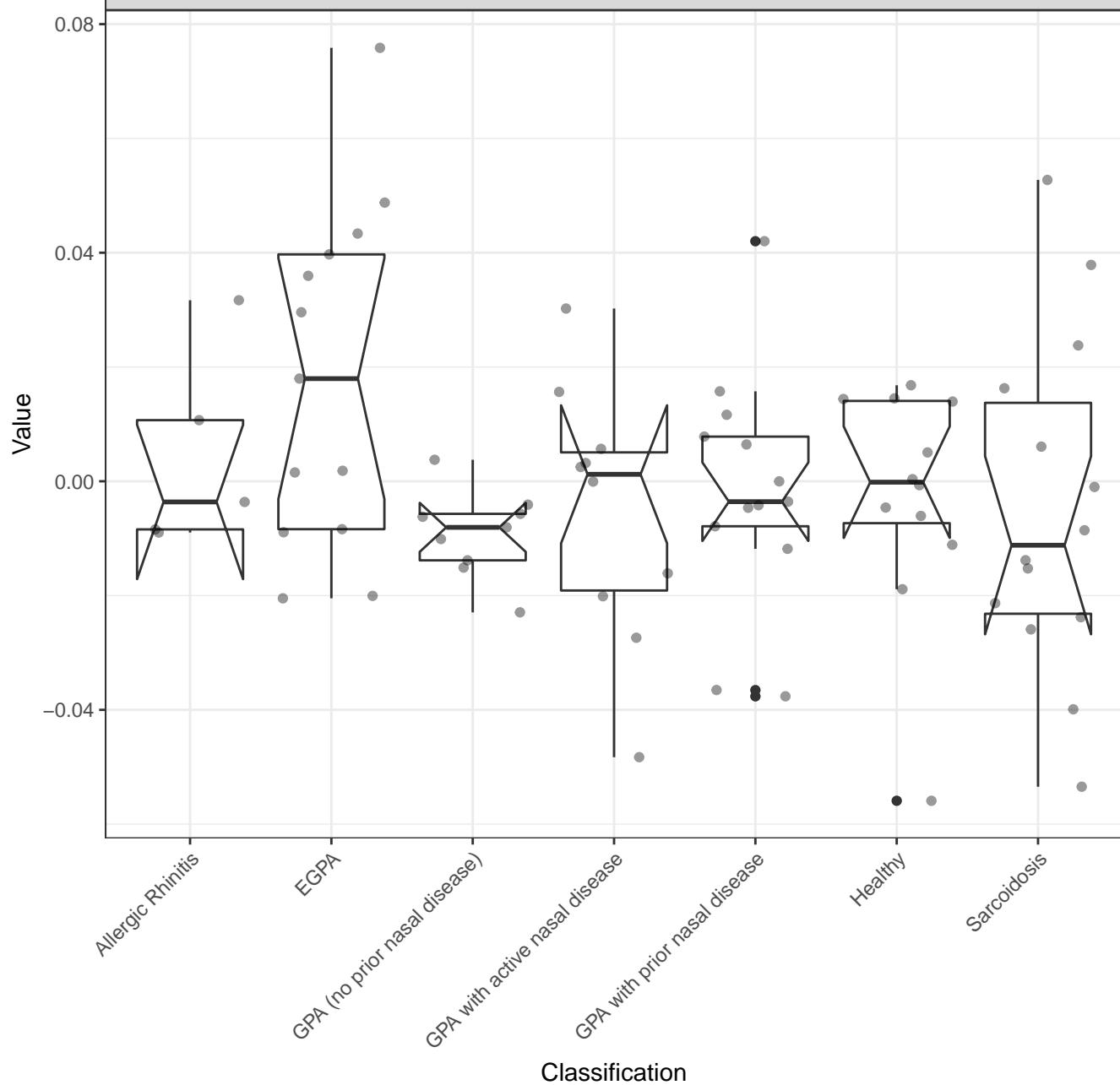
GPA with prior nasal disease

Healthy

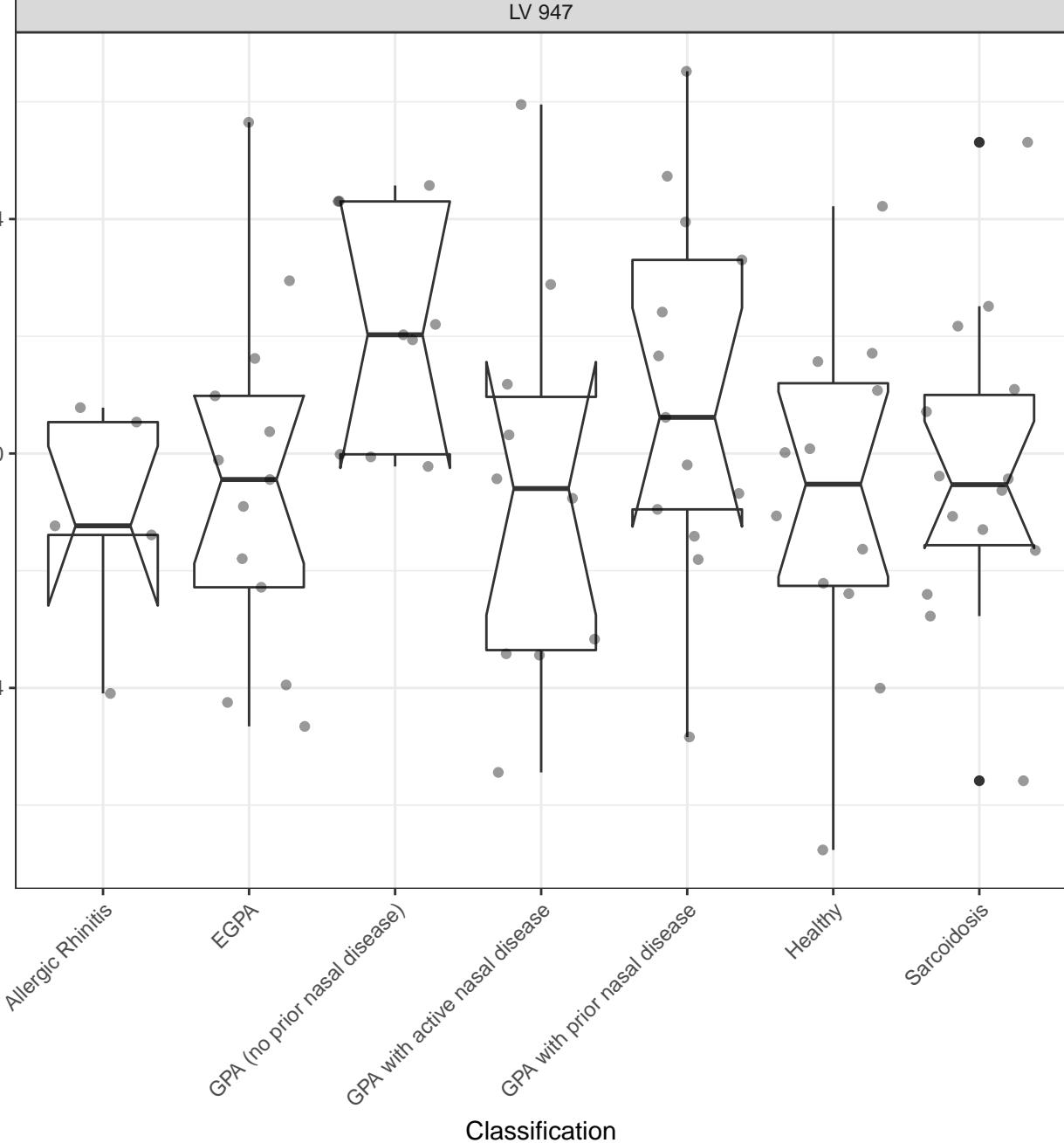
Sarcoidosis

Classification

LV 946



Value



Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

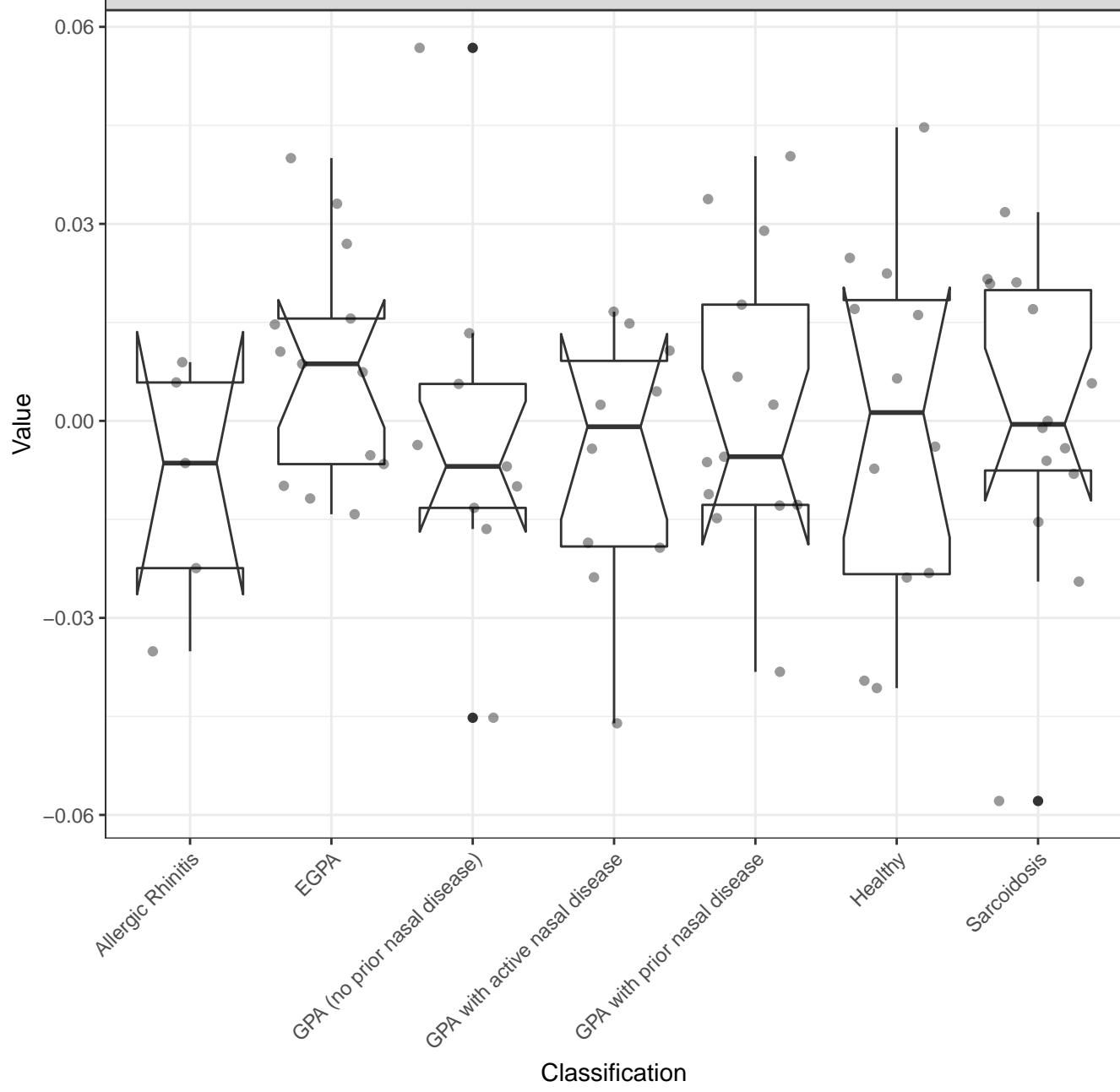
GPA with prior nasal disease

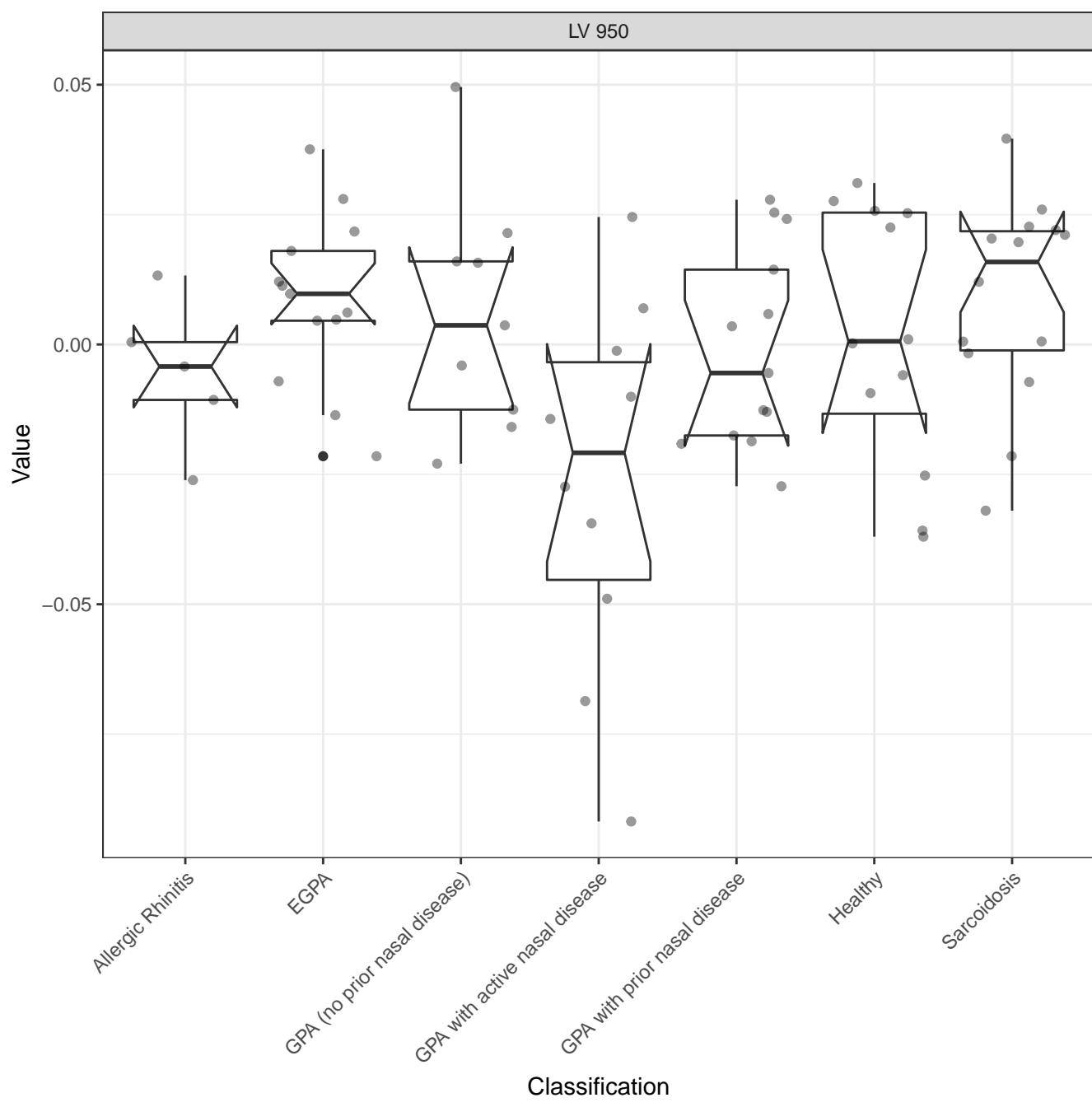
Healthy

Sarcoidosis

Classification

LV 949





951,SVM Plasma cells

Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

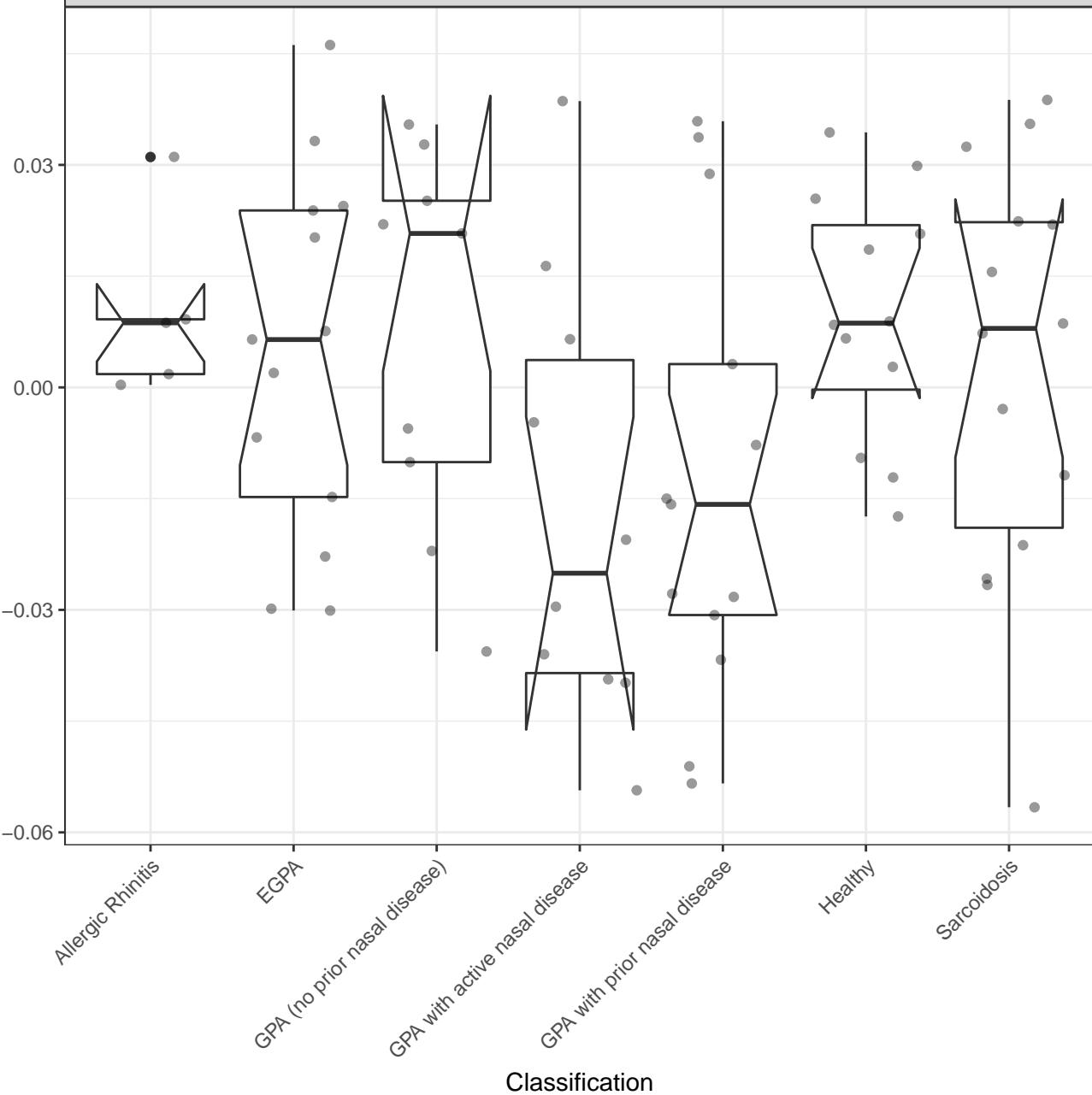
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

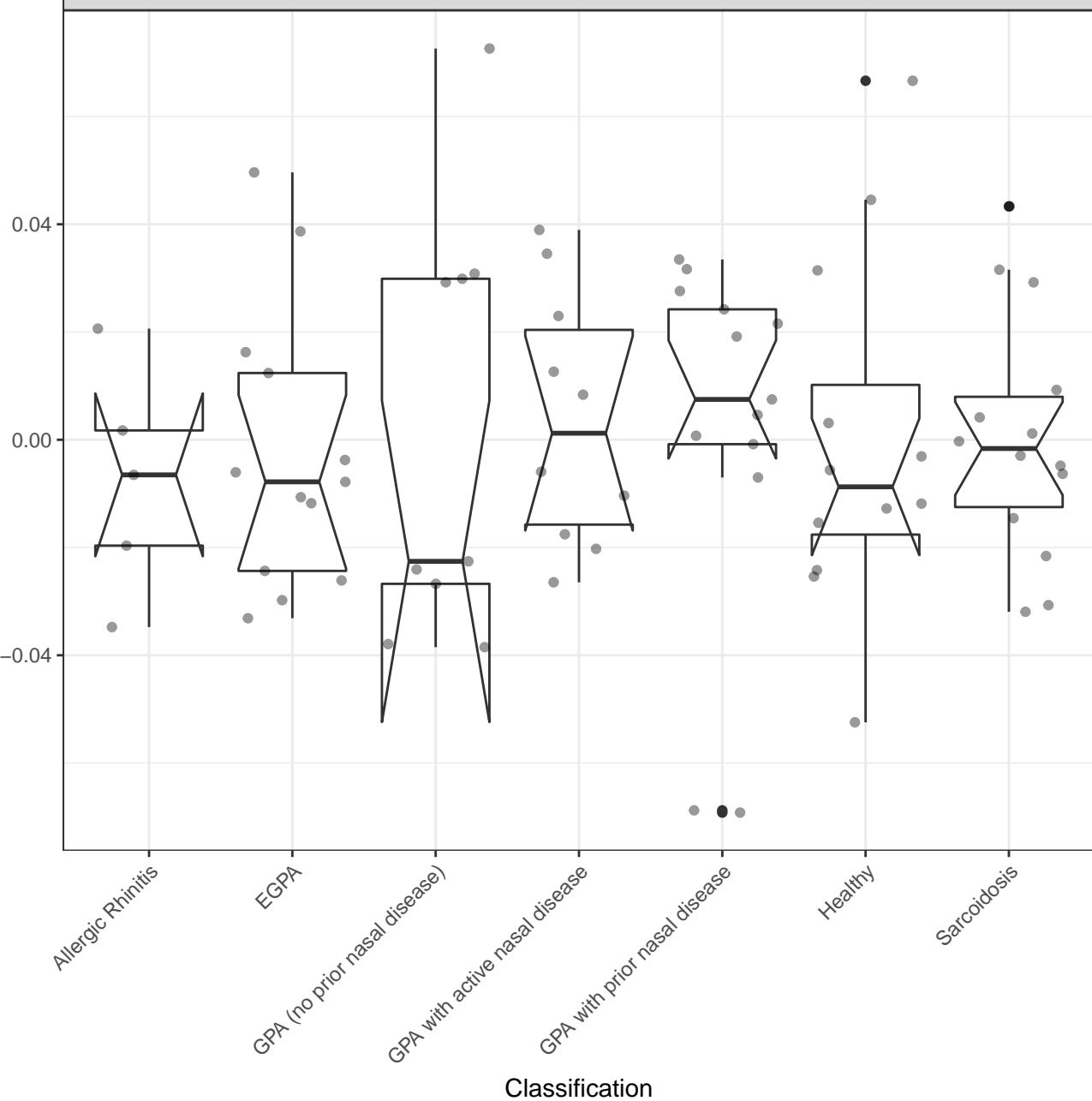
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Value

0.03

0.01

-0.01

-0.03

-0.05

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

-0.10

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.1

0.0

-0.1

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

964,SVM T cells CD8

Value

0.04

0.01

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.00

-0.05

-0.10

-0.15

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

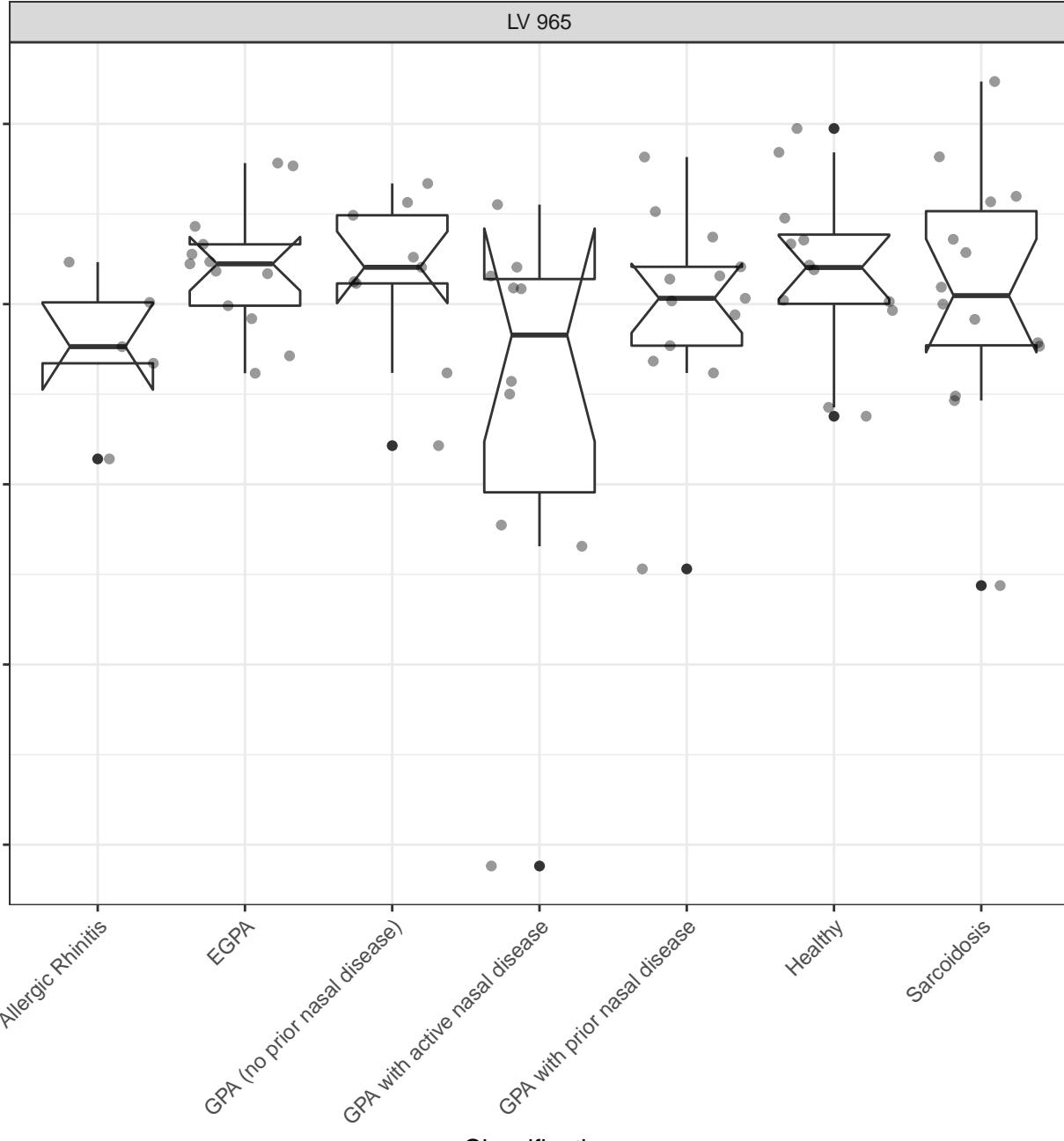
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

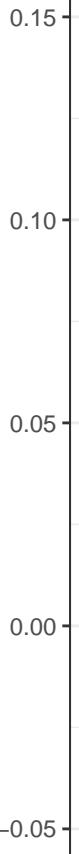
GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value



Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

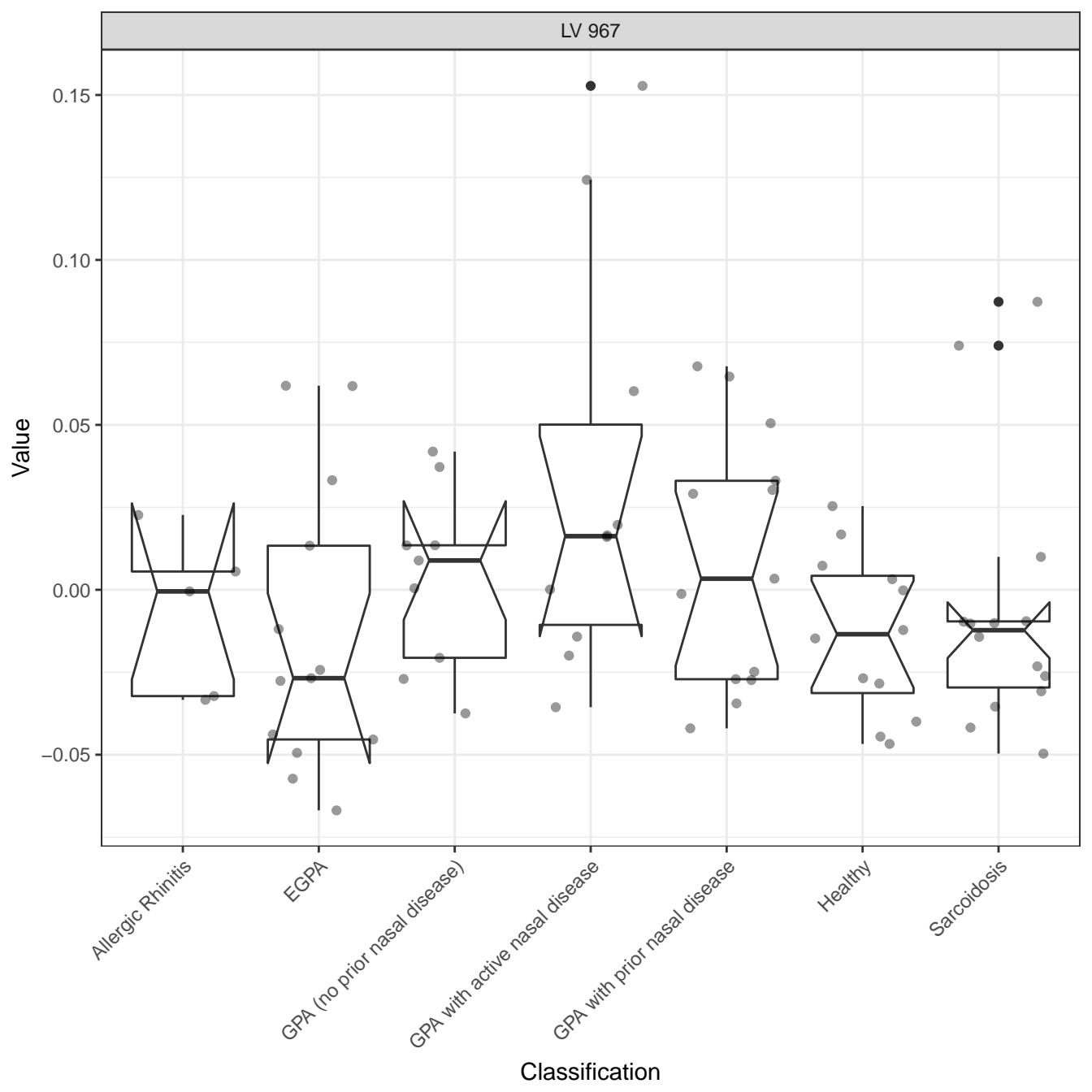
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

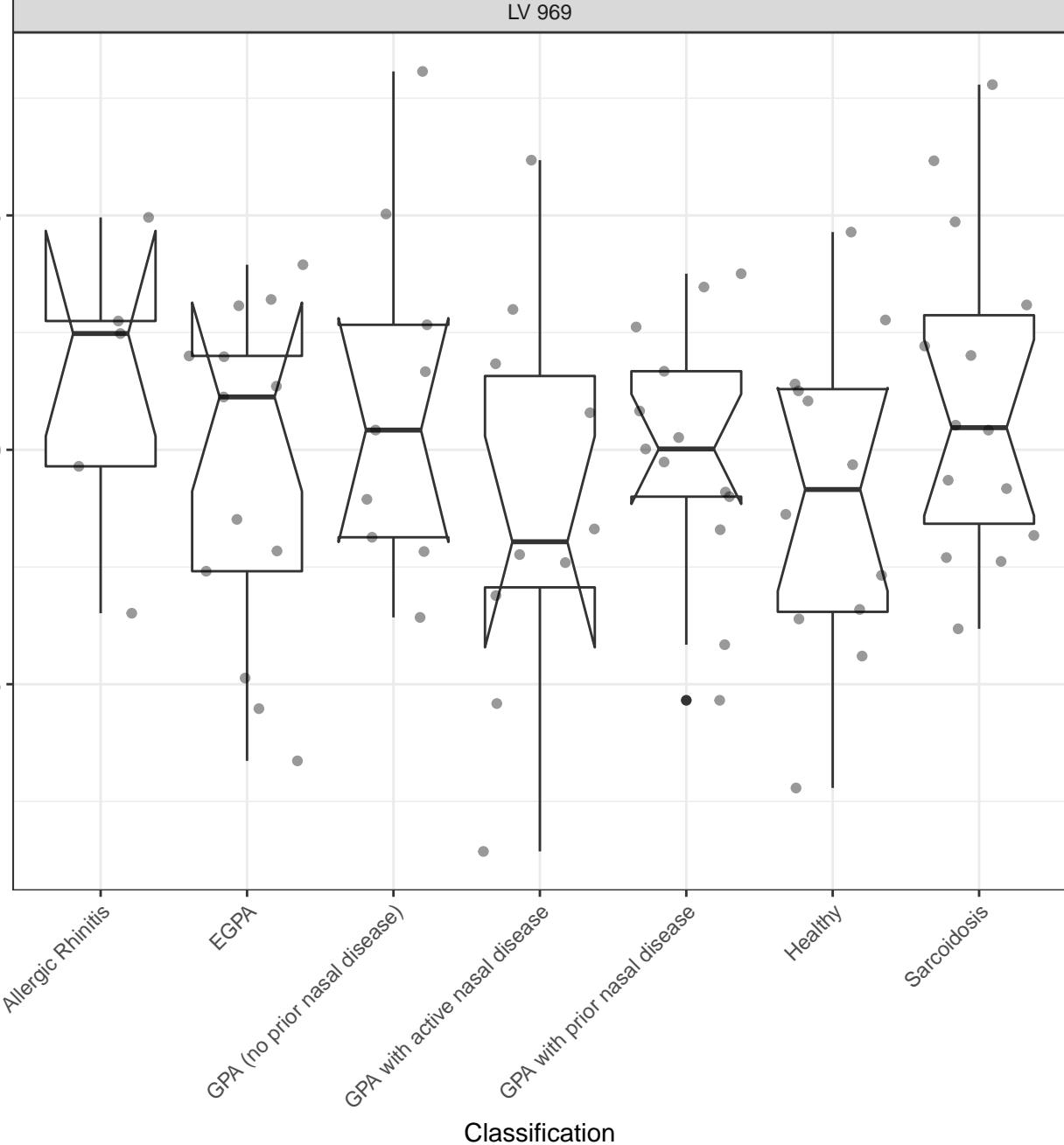
GPA with prior nasal disease

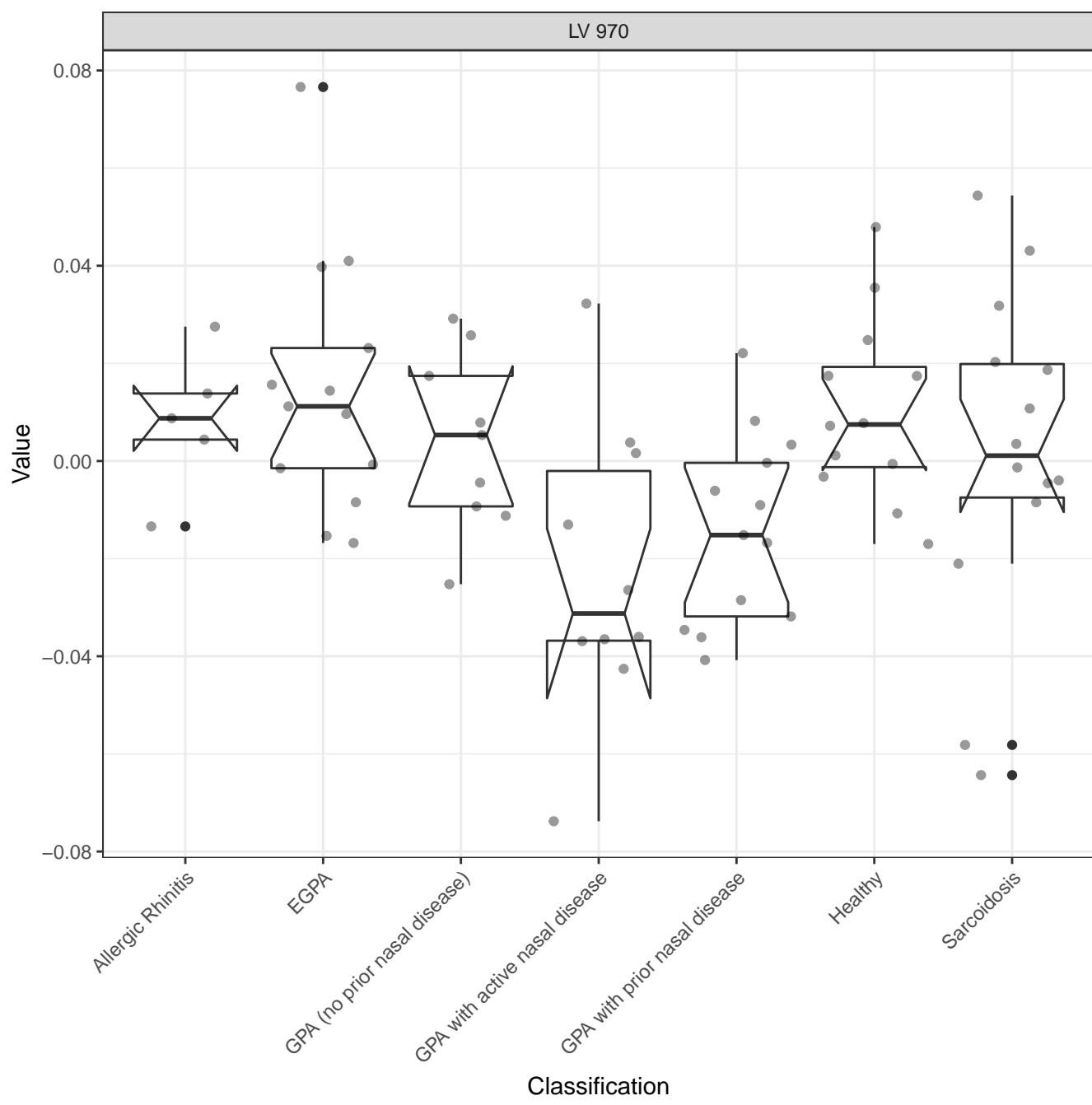
Healthy

Sarcoidosis

Classification

Value





Value

0.025

0.000

-0.025

-0.050

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

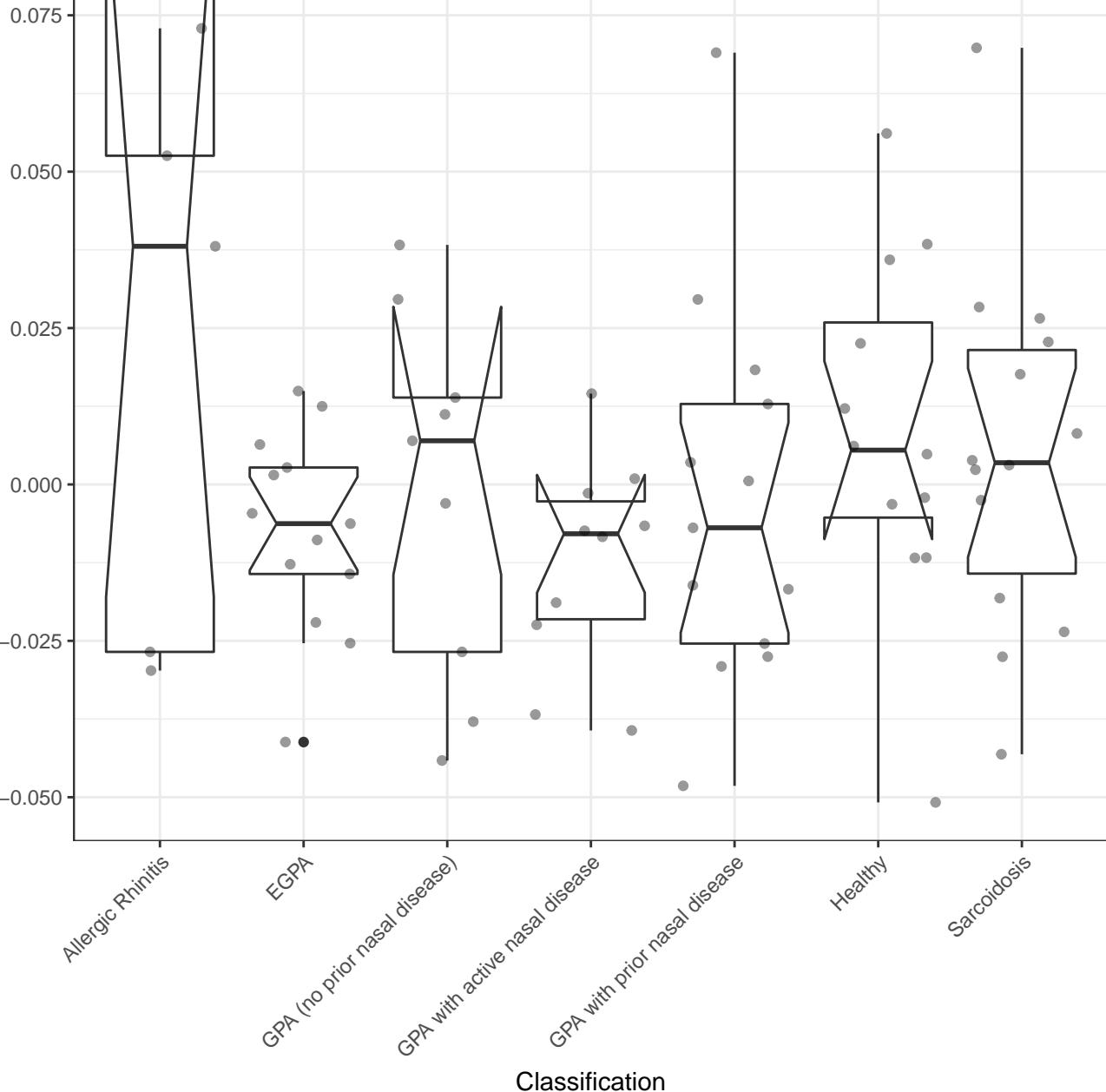
Healthy

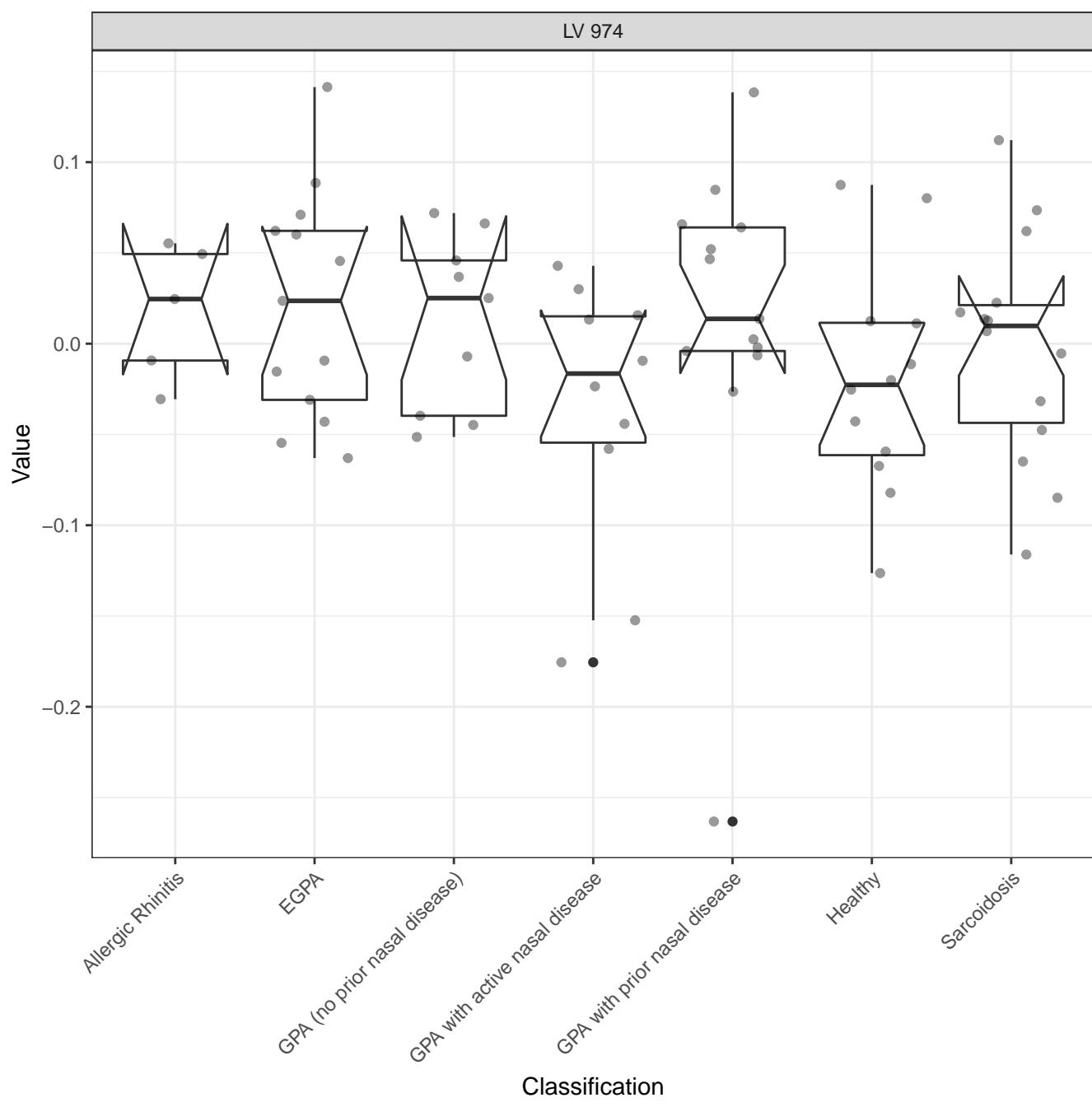
Sarcoidosis

Classification

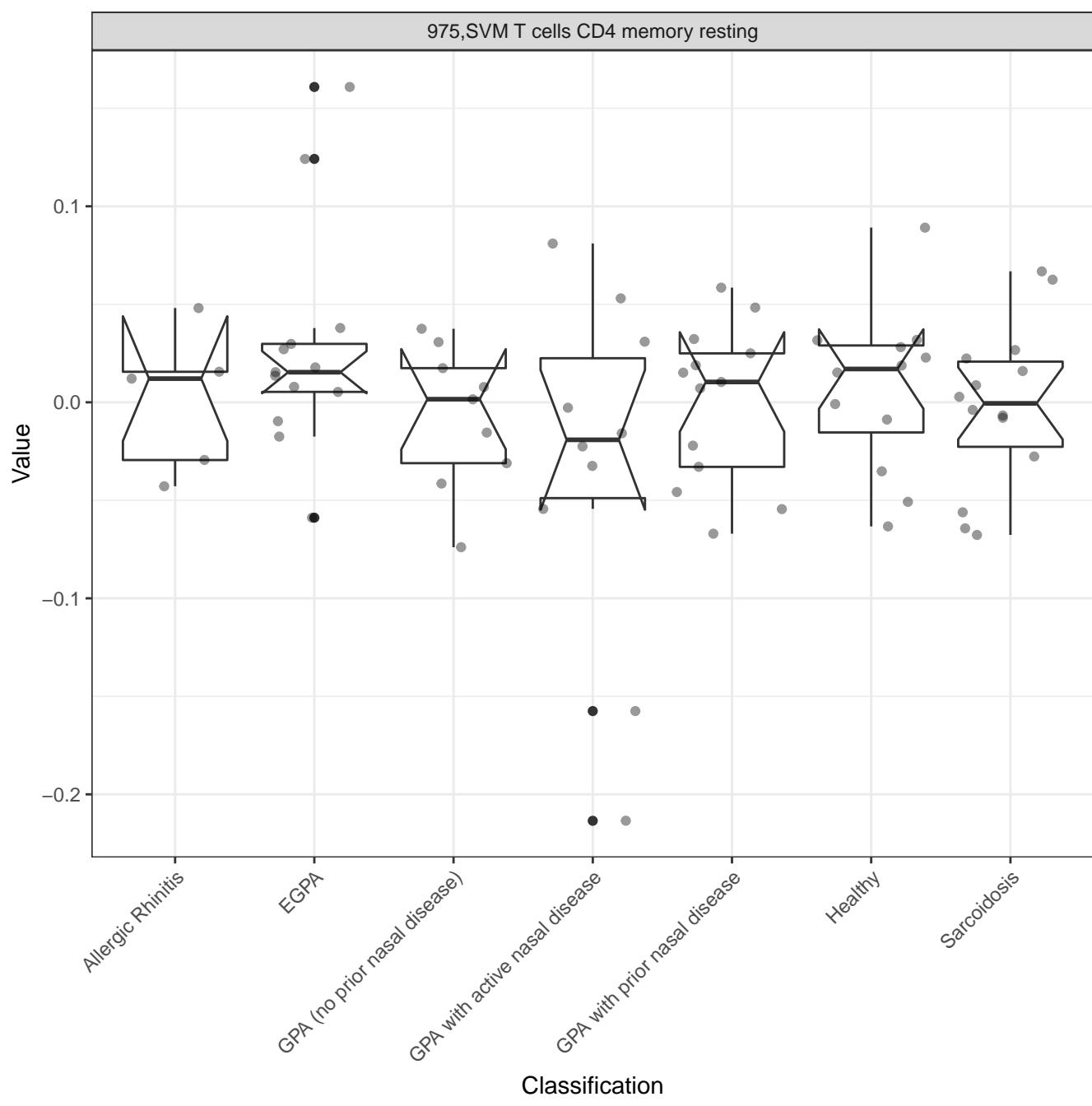
LV 973

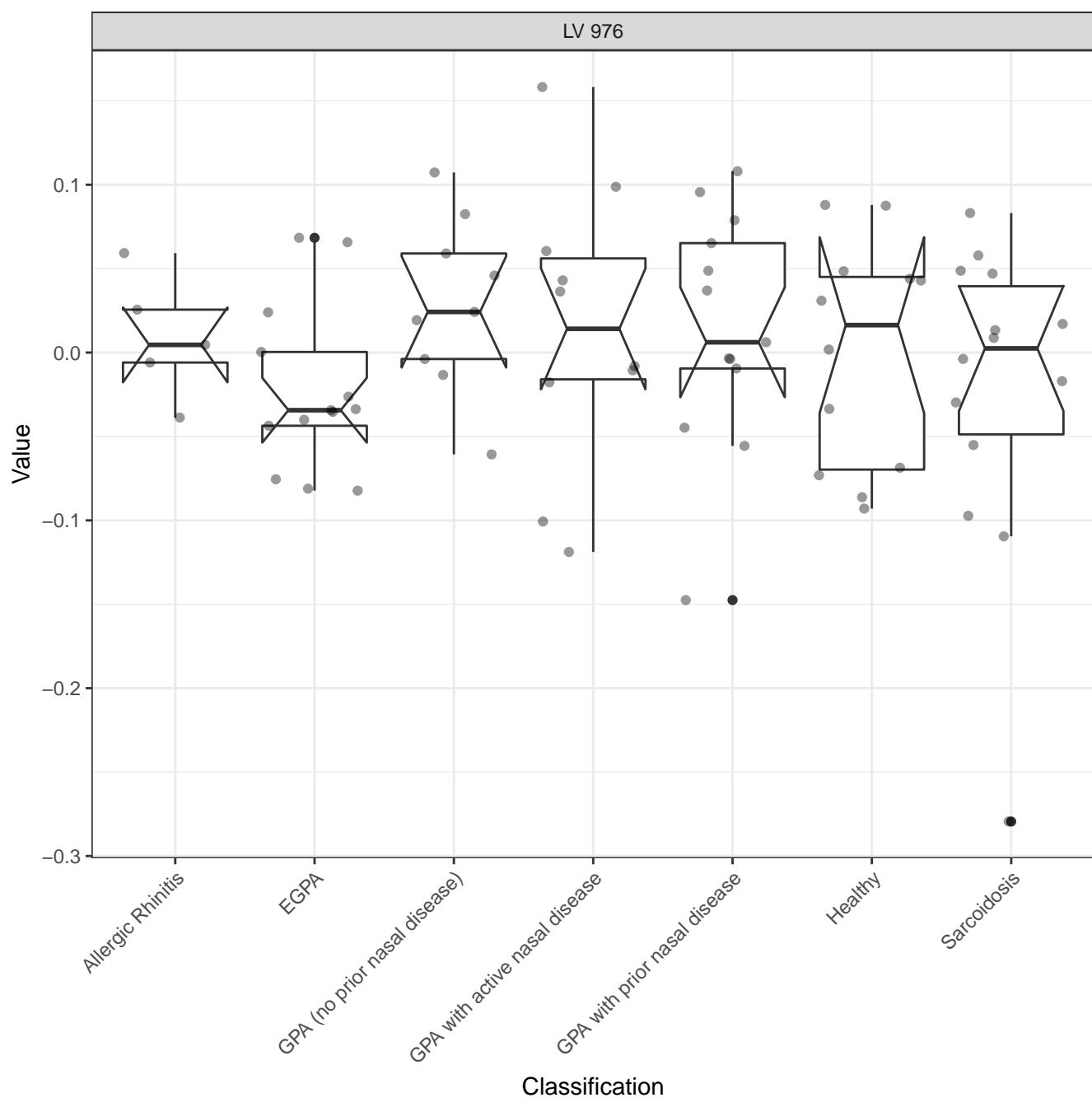
Value





975,SVM T cells CD4 memory resting





977,SVM B cells naive

Value

0.15

0.10

0.05

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

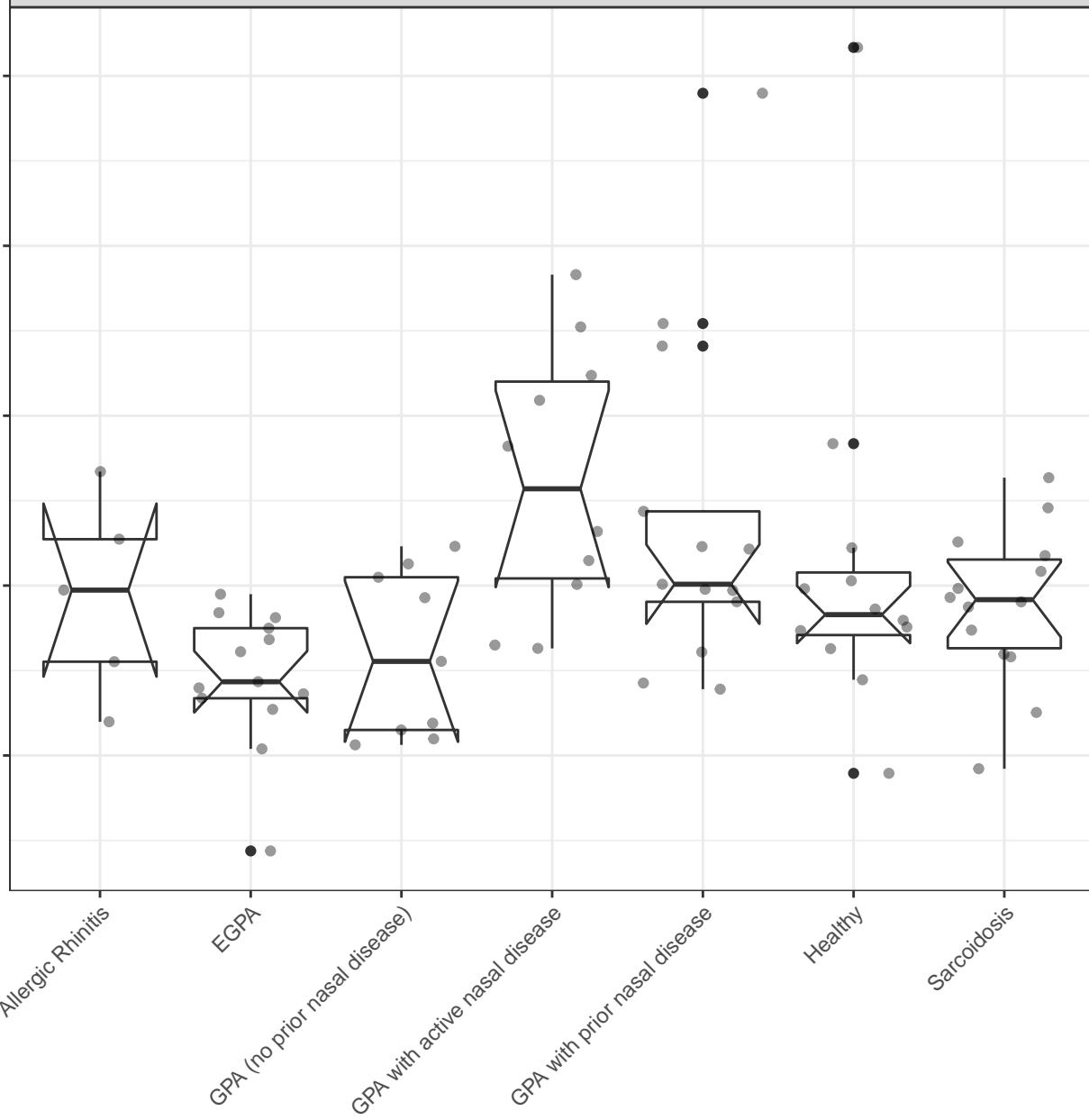
GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification



LV 978

Value

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.10

0.05

0.00

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

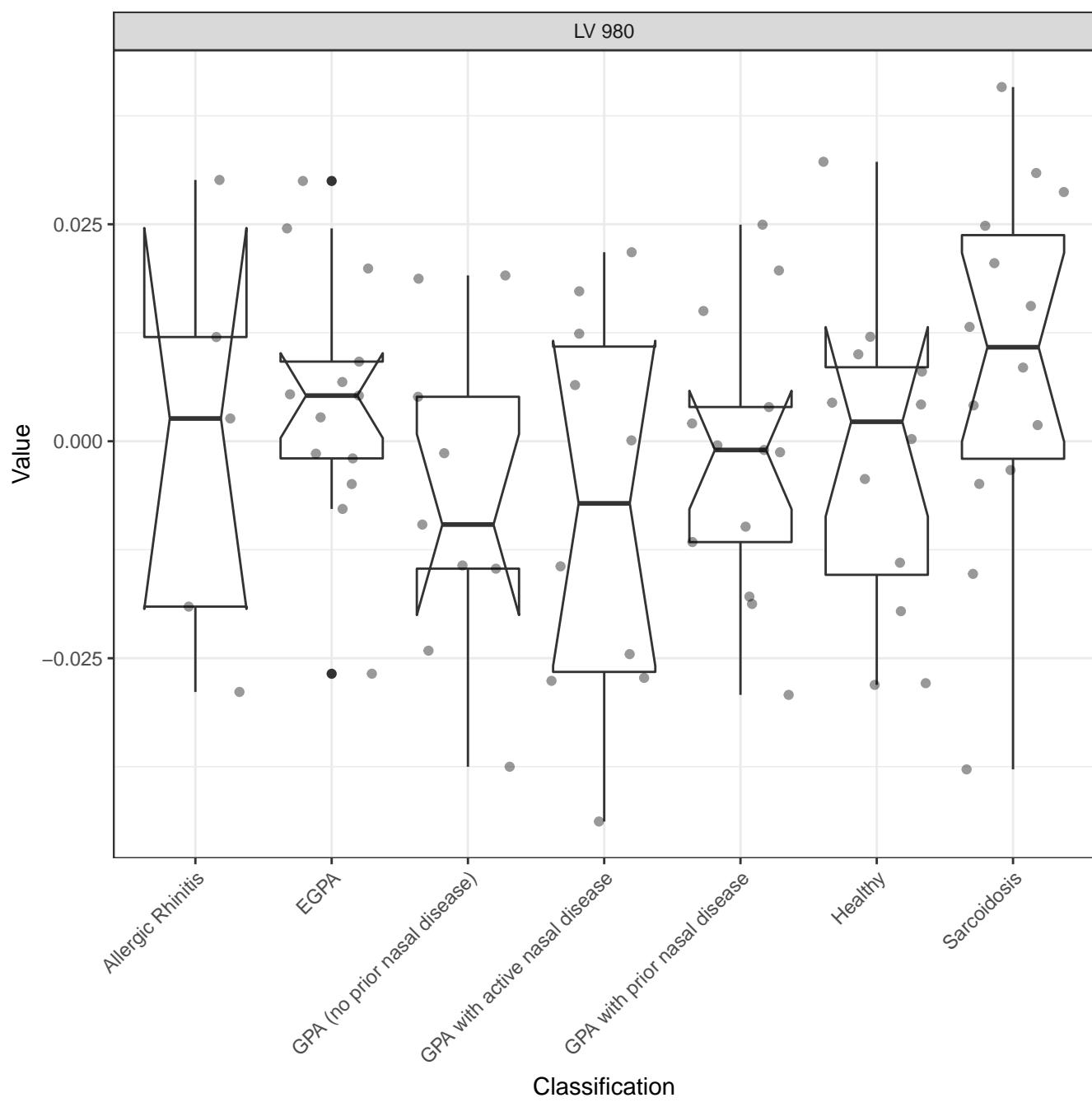
GPA with active nasal disease

GPA with prior nasal disease

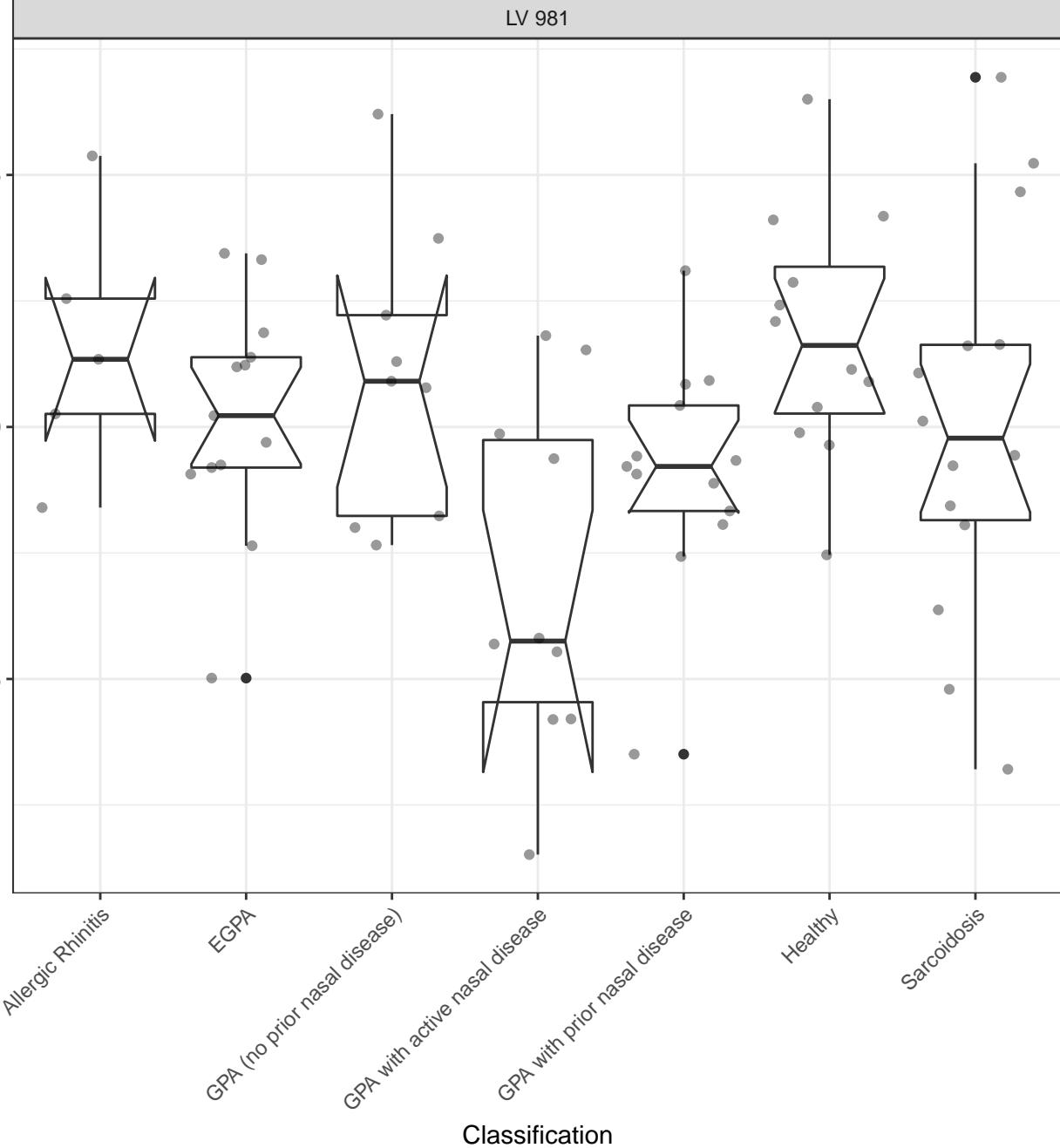
Healthy

Sarcoidosis

Classification



Value



Value

0.08

0.04

0.00

-0.04

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.05

0.01

-0.05

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

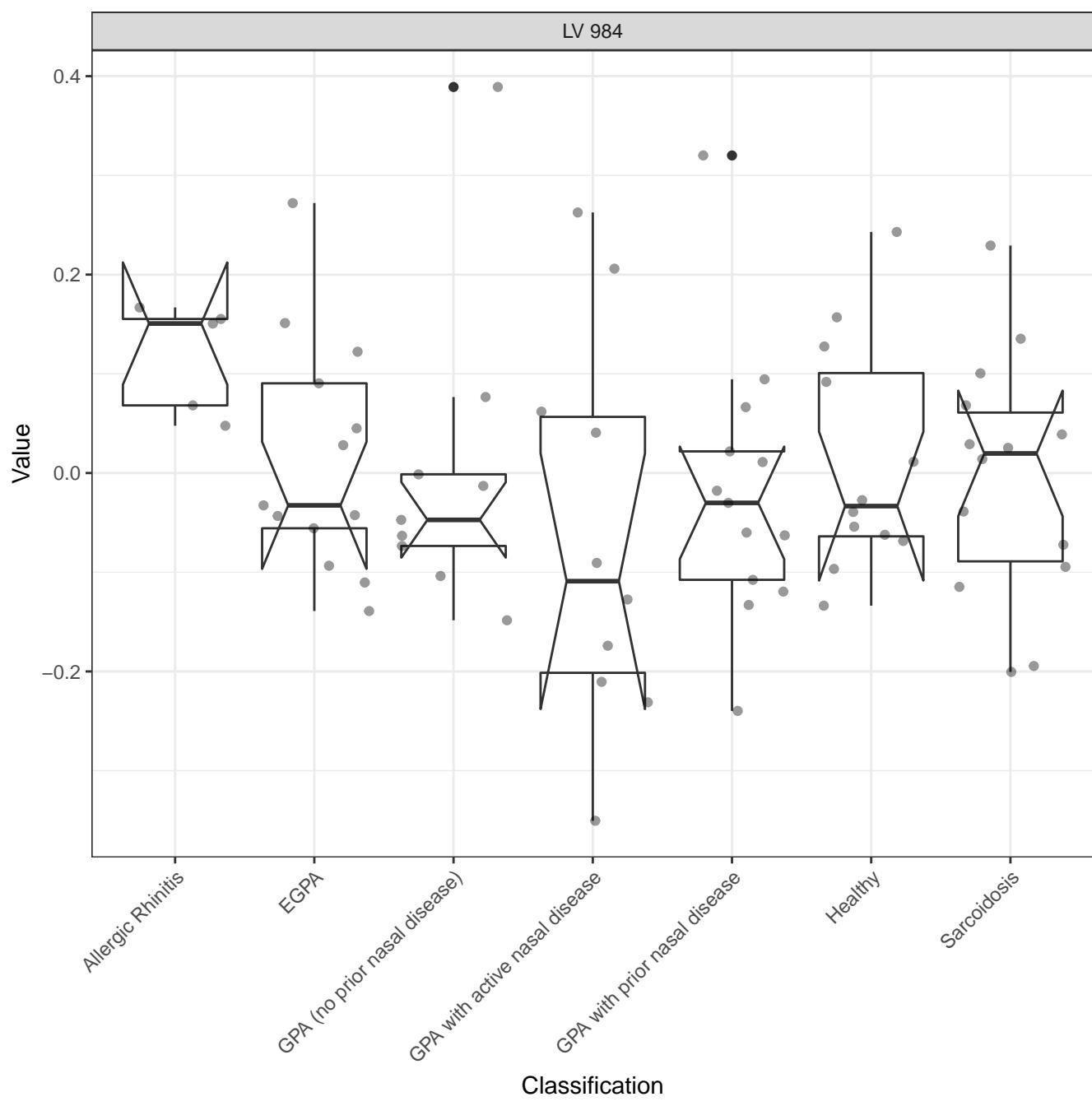
GPA with active nasal disease

GPA with prior nasal disease

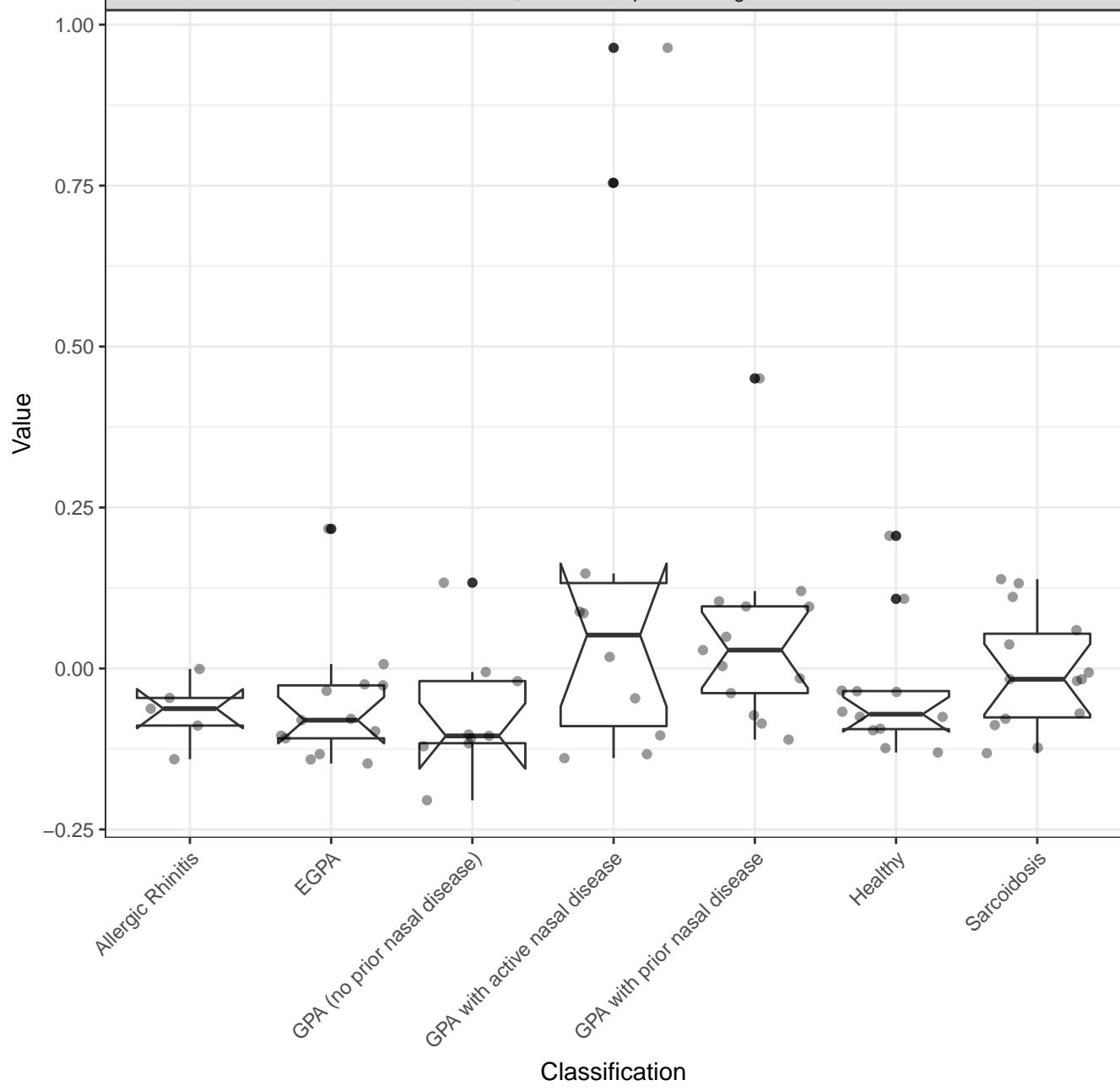
Healthy

Sarcoidosis

Classification



985,IRIS_Neutrophil–Resting



Value

0.06

0.03

-0.03

-0.06

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification

Value

0.2

0.1

0.0

-0.1

-0.2

-0.3

Allergic Rhinitis

EGPA

GPA (no prior nasal disease)

GPA with active nasal disease

GPA with prior nasal disease

Healthy

Sarcoidosis

Classification