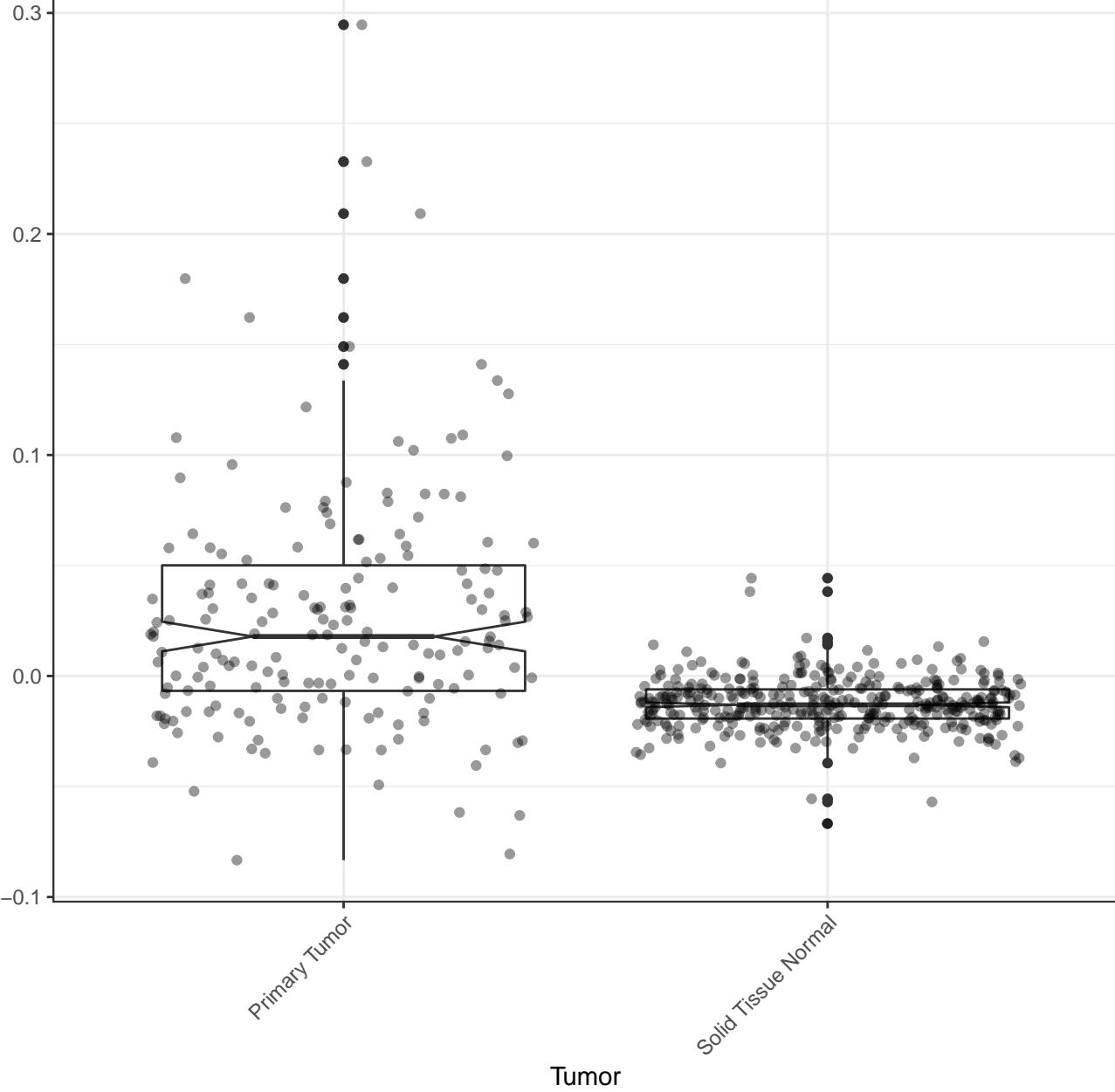


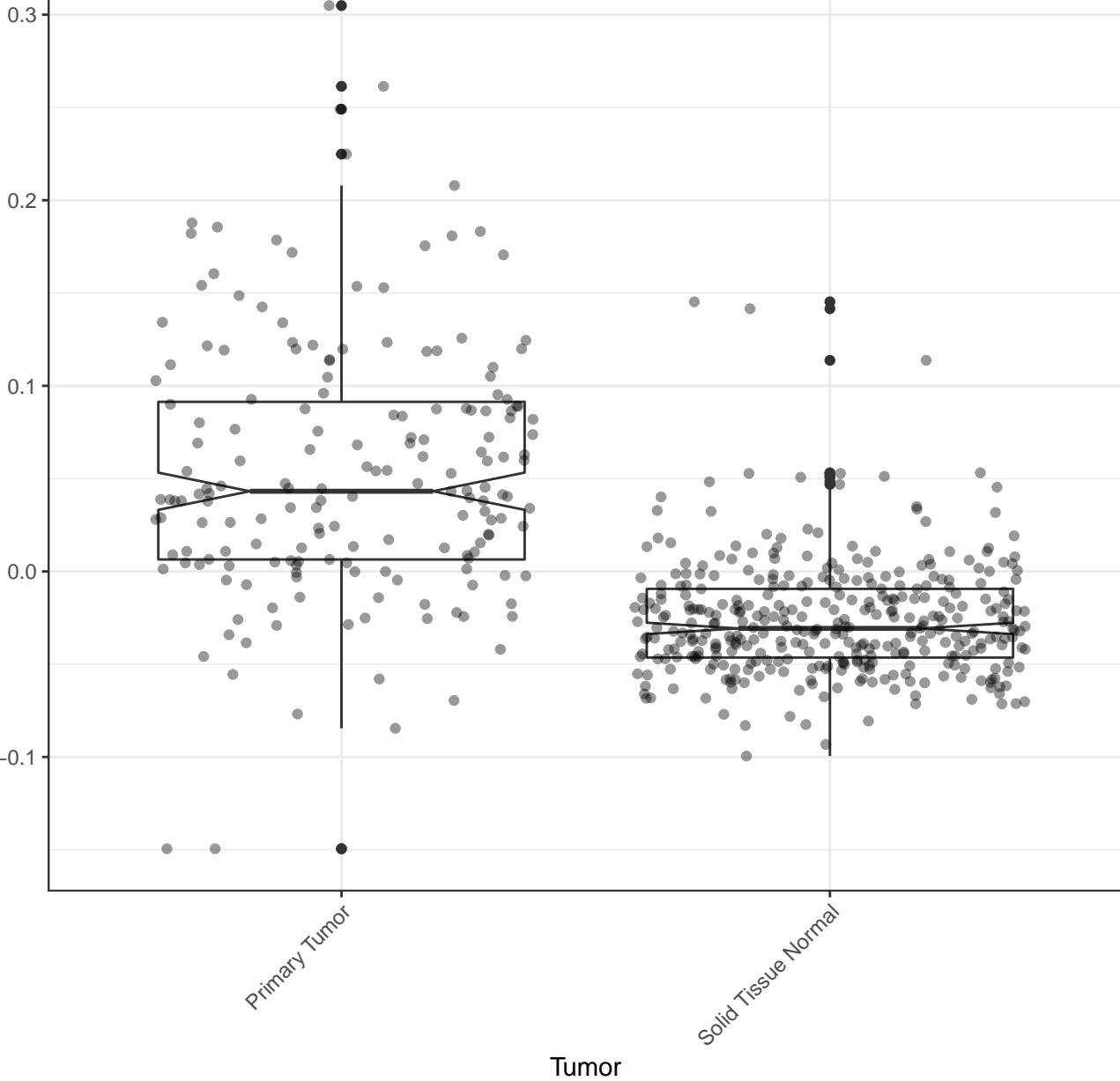
1,IRIS_Monocyte–Day1

Value

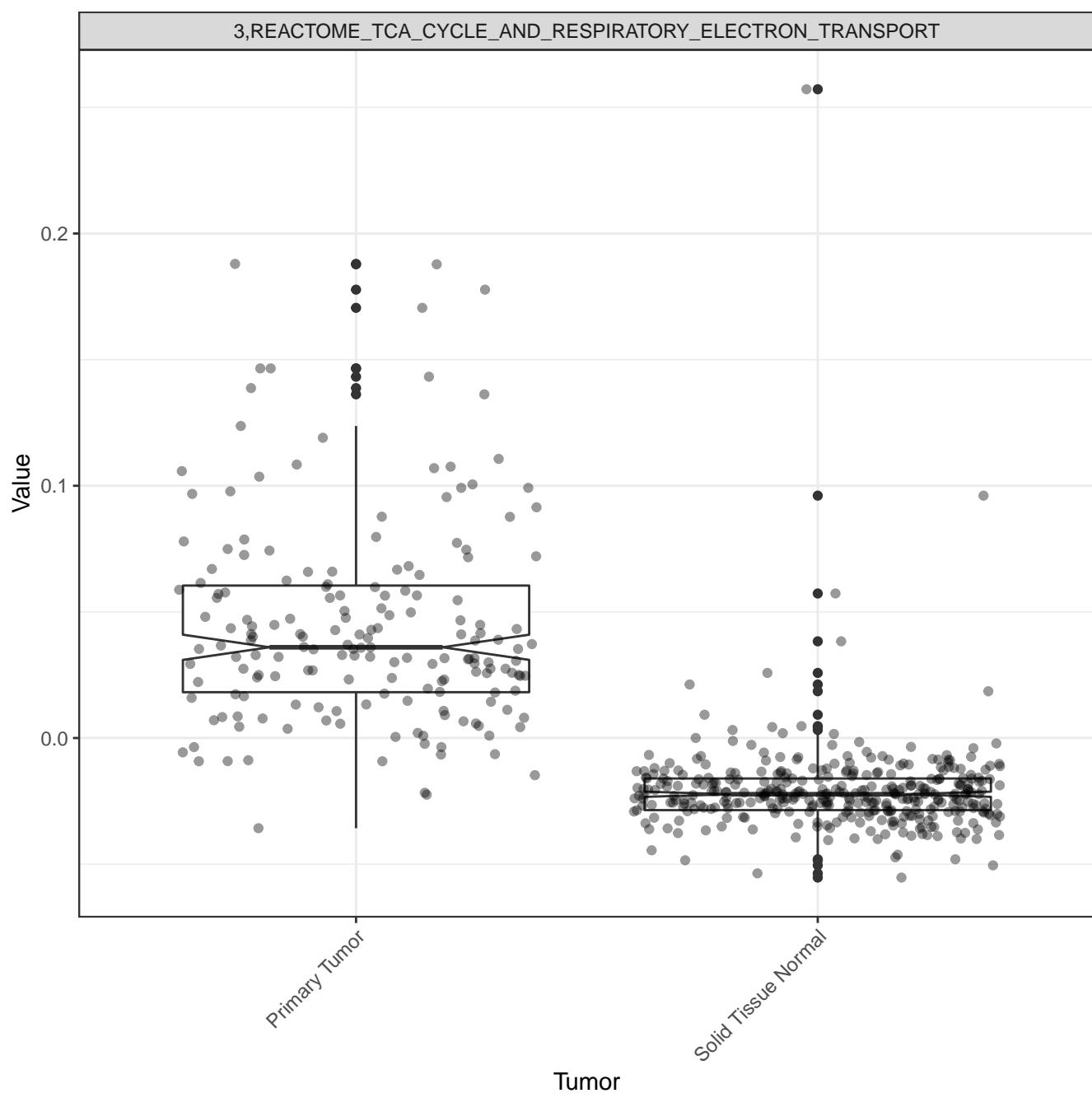


2,REACTOME_DNA_REPLICATION

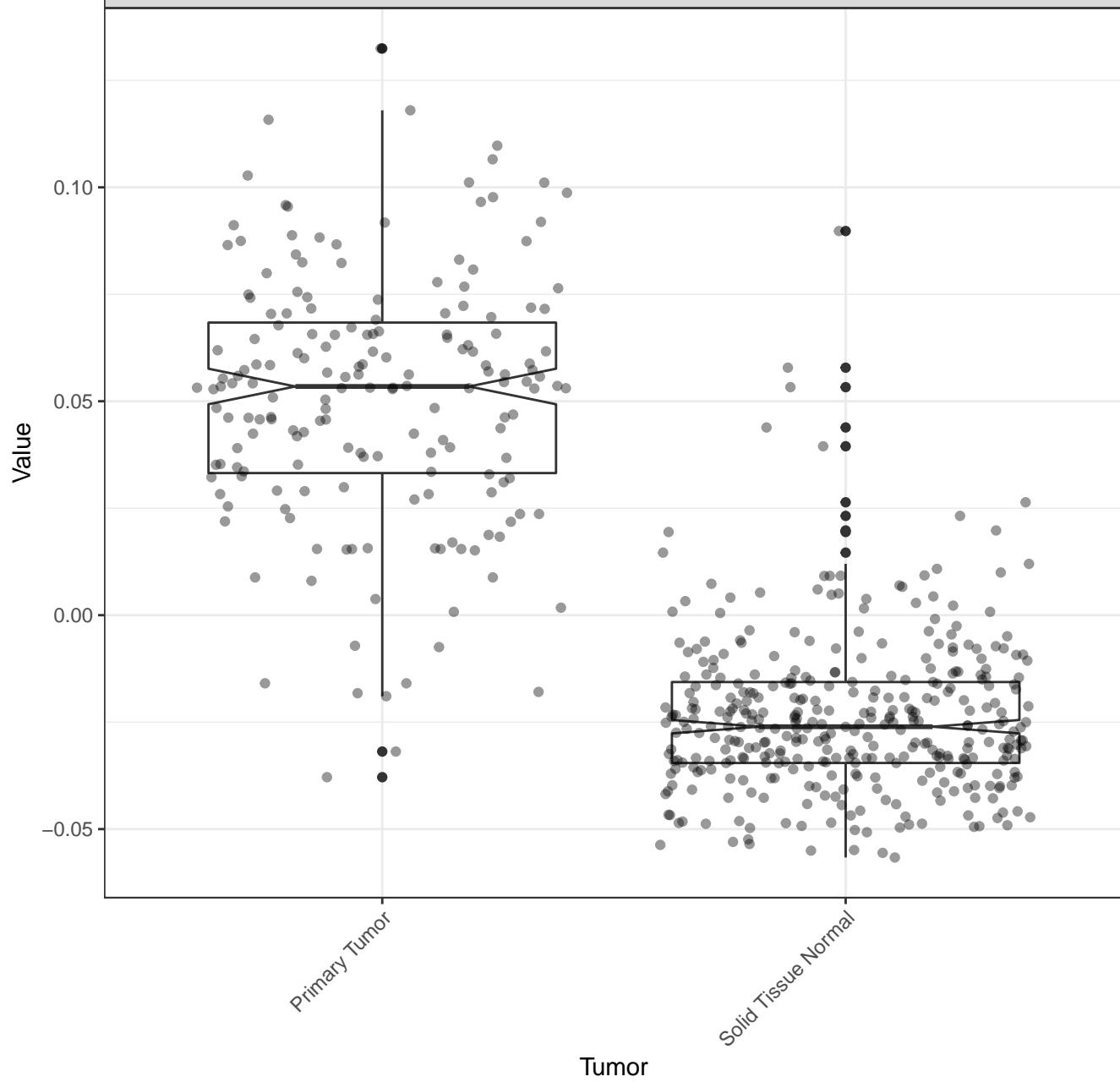
Value



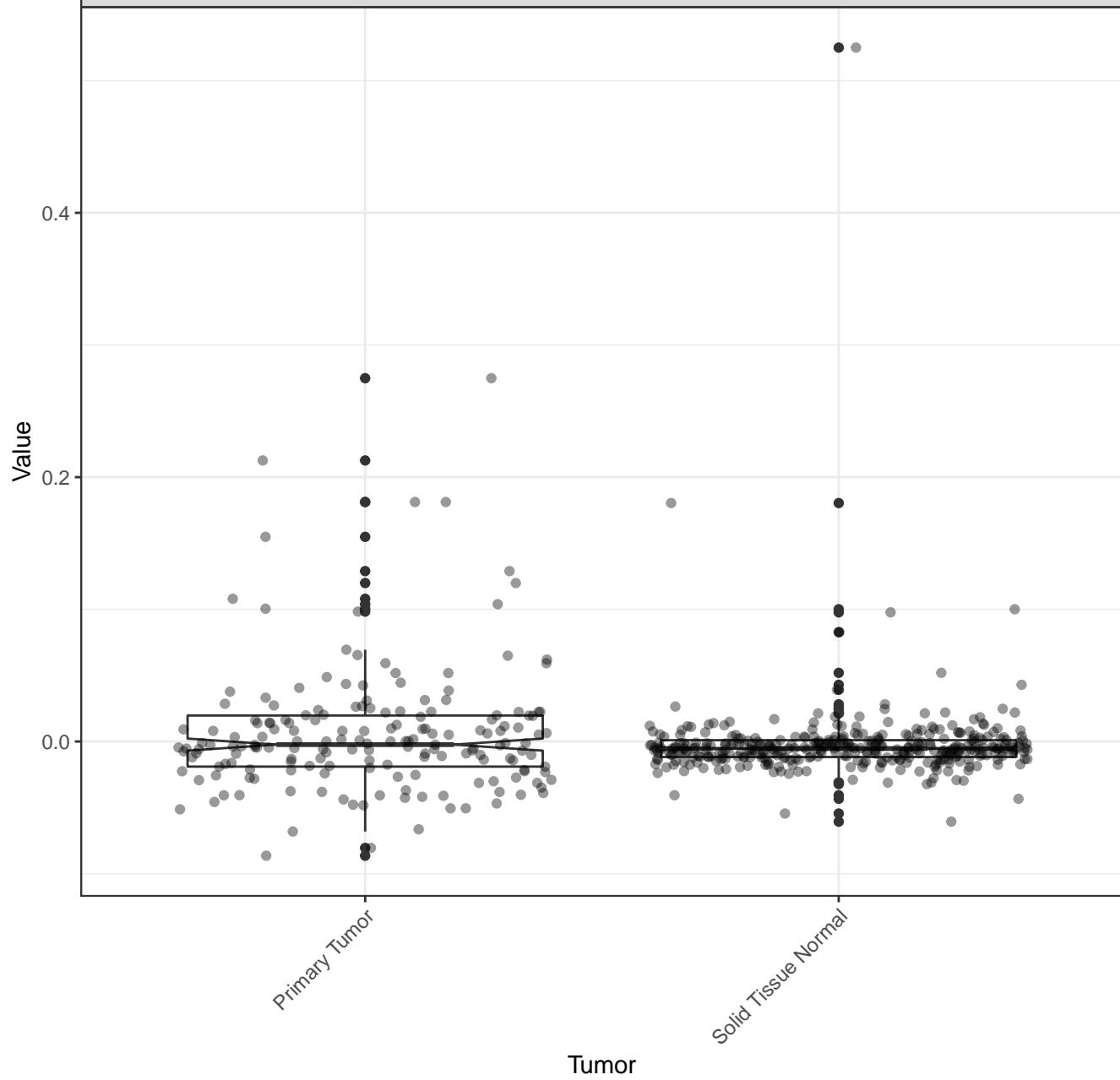
3,REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT



4,REACTOME_METABOLISM_OF_NUCLEOTIDES



5,REACTOME_NEURONAL_SYSTEM



6,KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION

Value

0.20

0.15

0.10

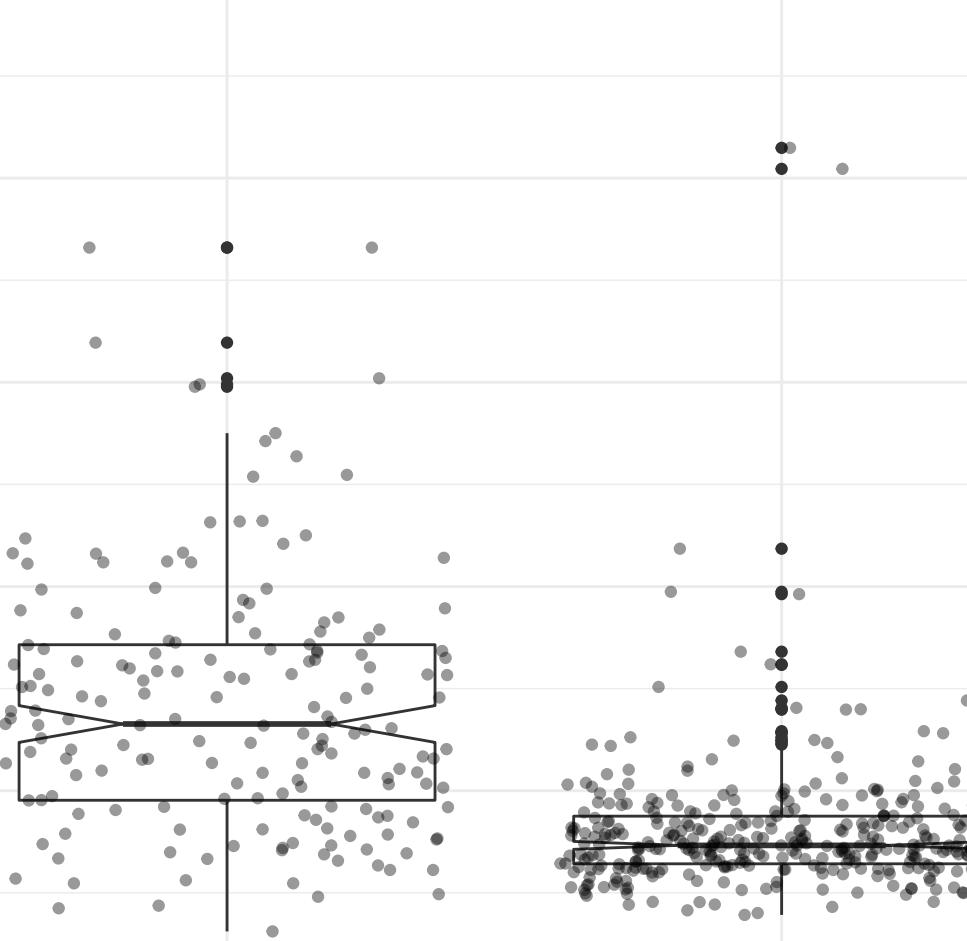
0.05

0.00

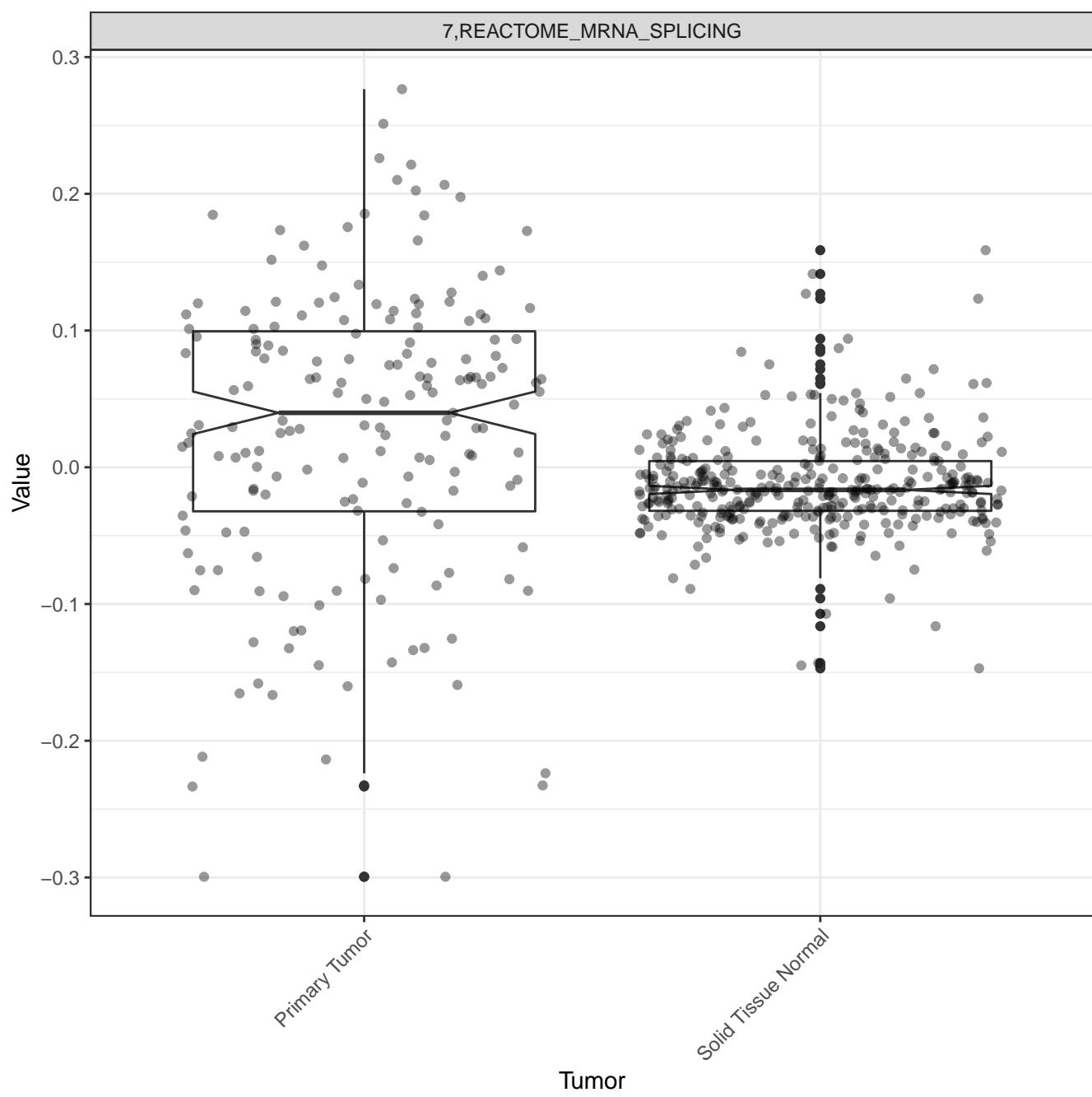
Primary Tumor

Solid Tissue Normal

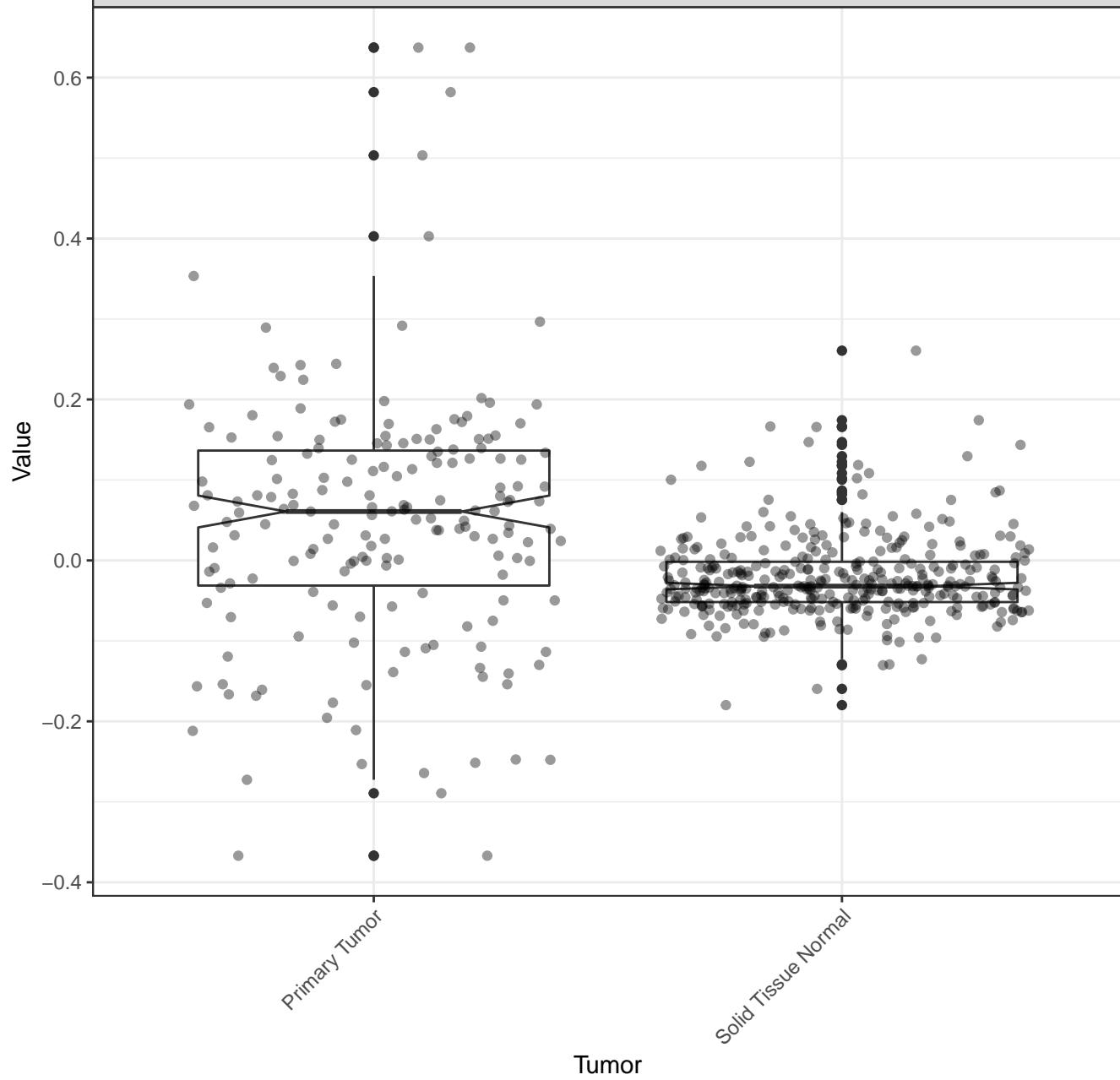
Tumor



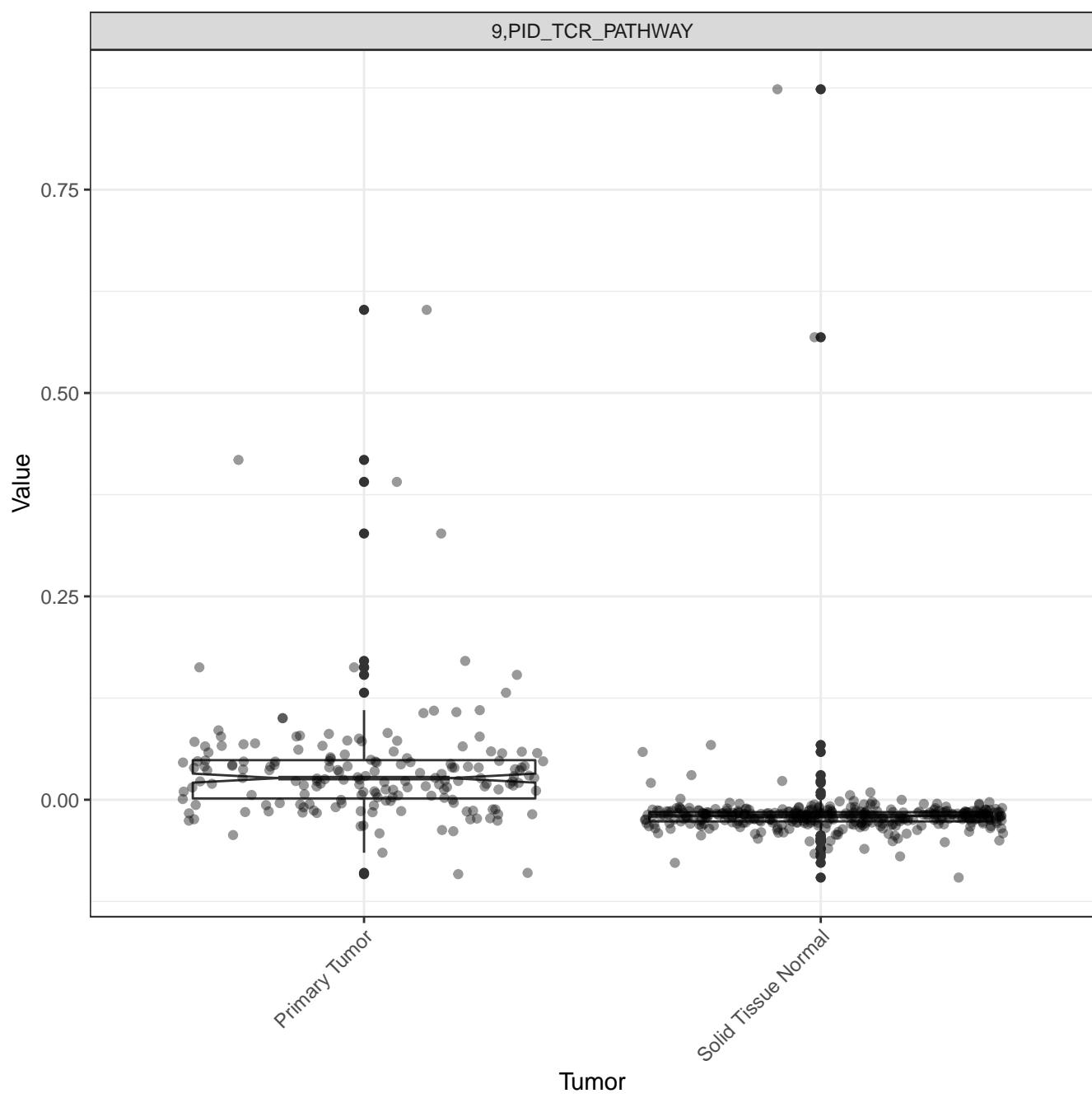
7,REACTOME_MRNA_SPLICING



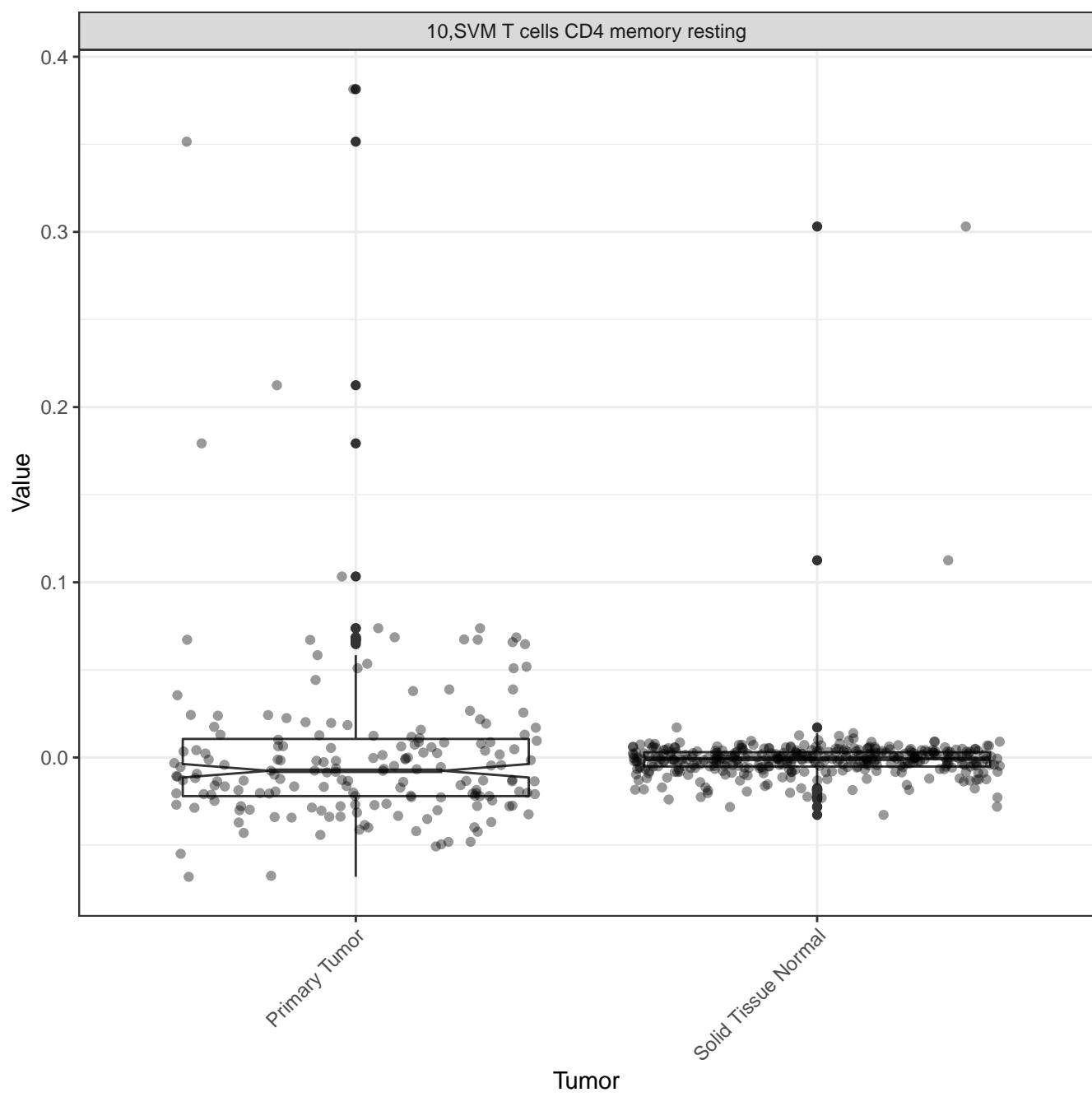
8,REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_REPLICATION



9,PID_TCR_PATHWAY

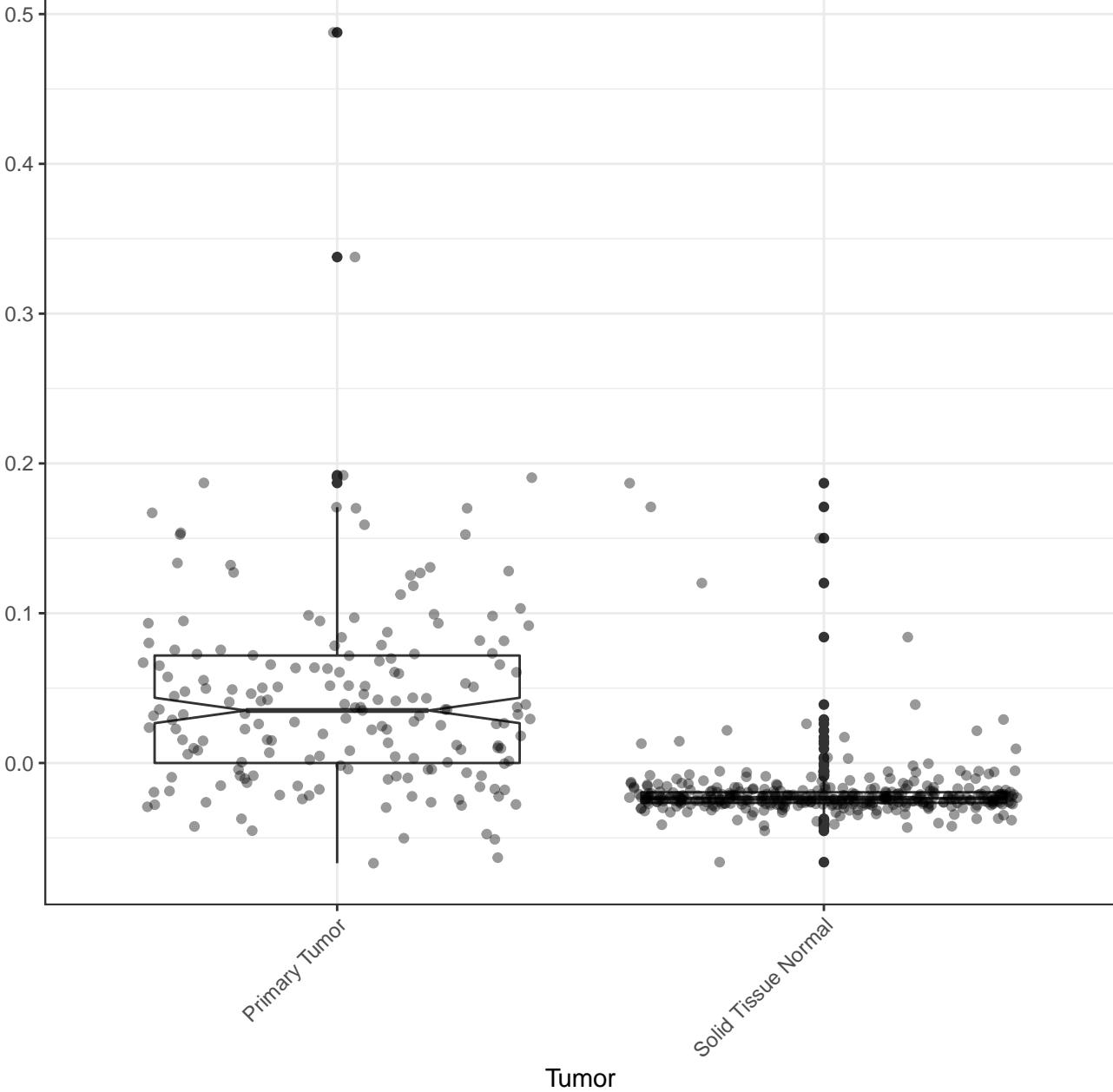


10,SVM T cells CD4 memory resting

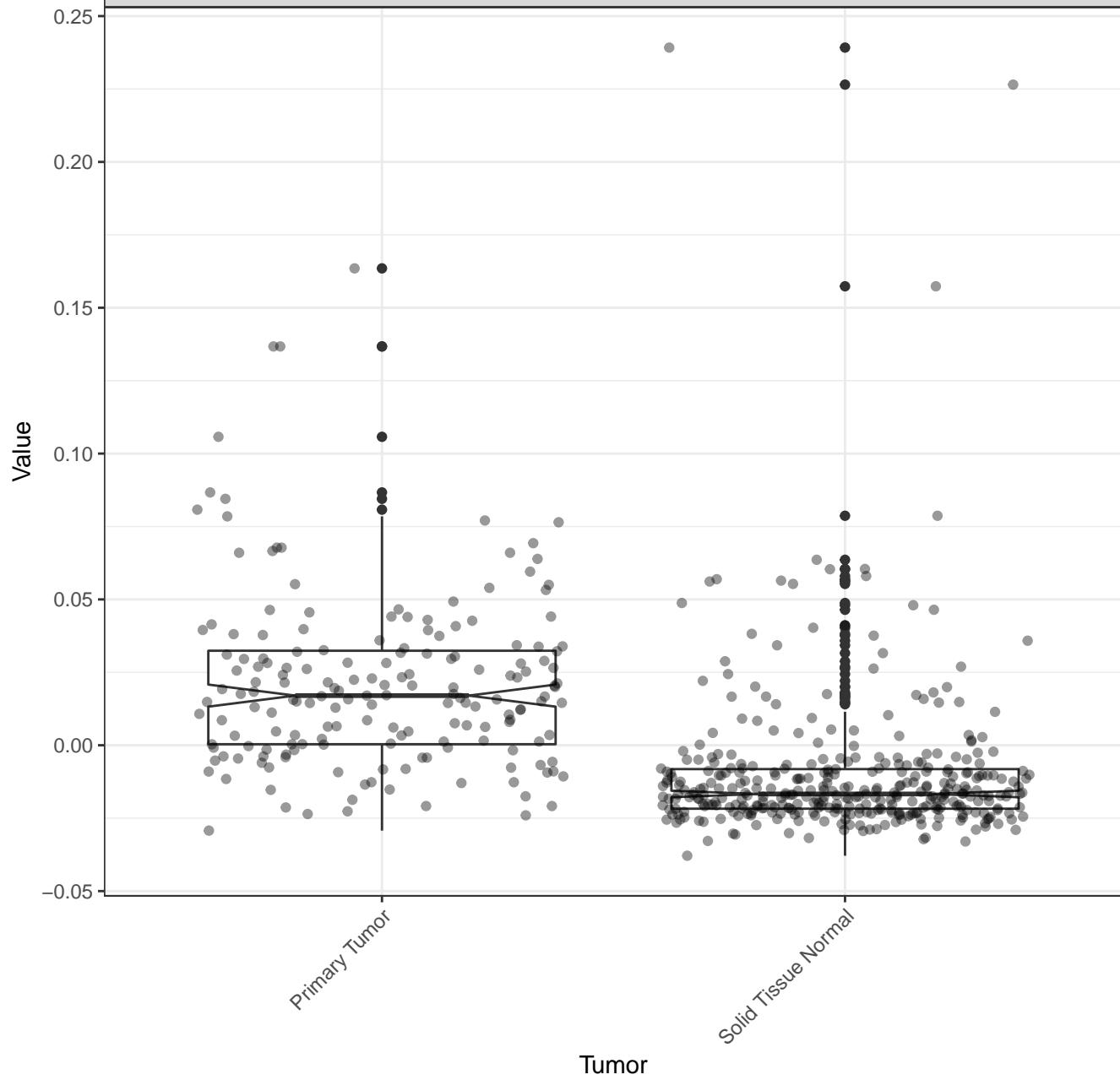


11,IRIS_DendriticCell-Control

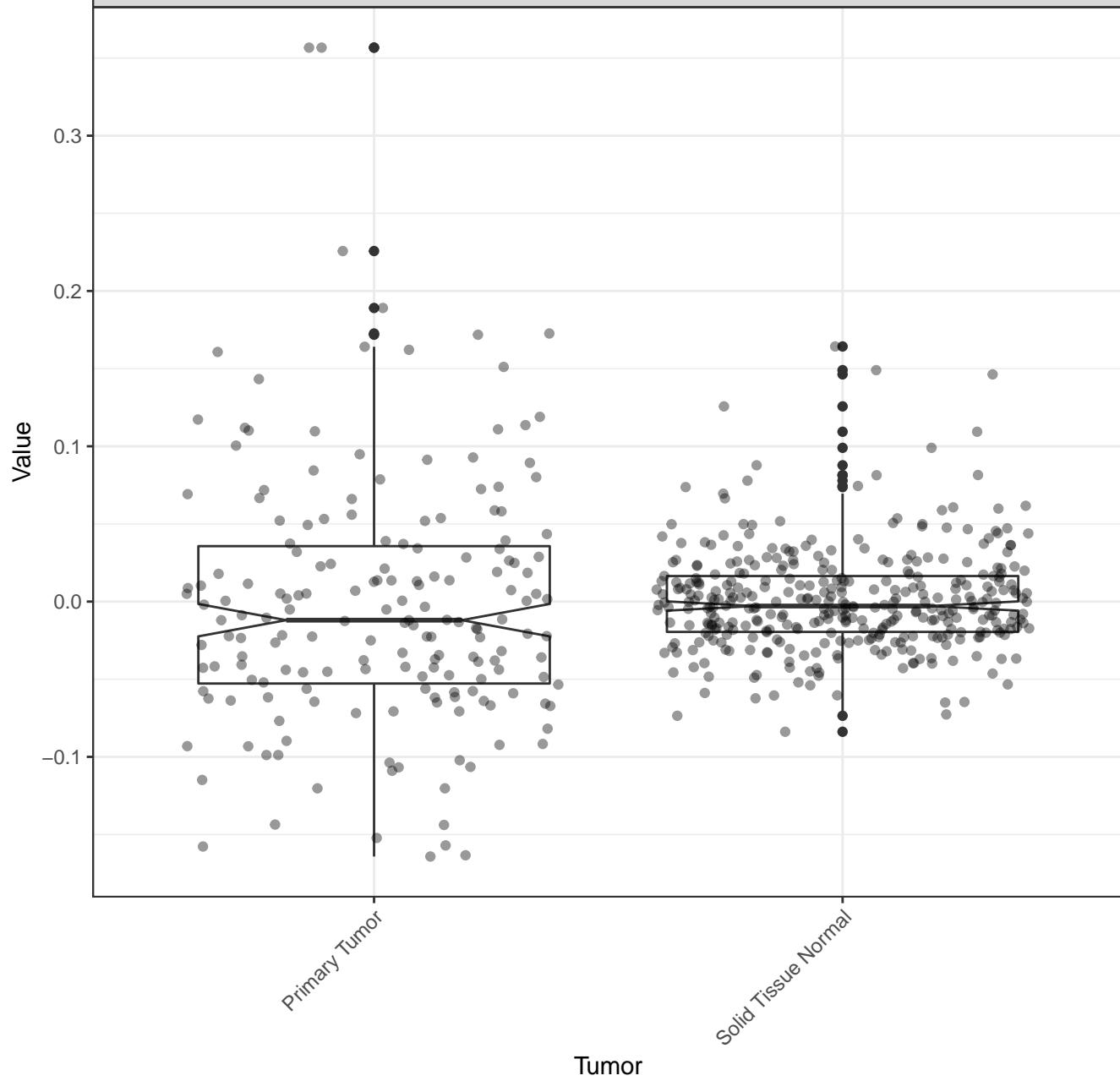
Value



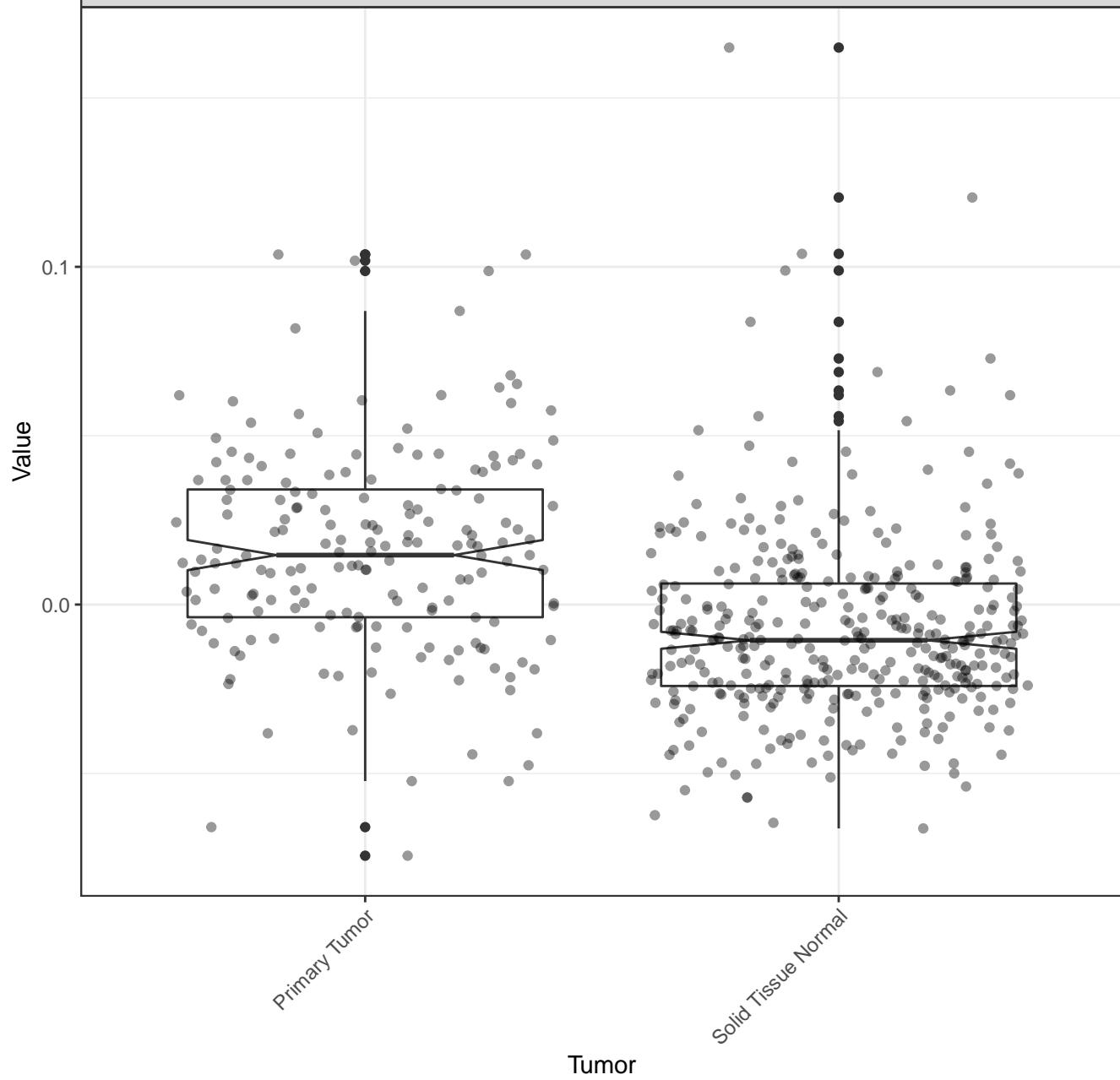
12,SVM Neutrophils



13,REACTOME_DEVELOPMENTAL_BIOLOGY



14,REACTOME_NEURONAL_SYSTEM



15,REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES

Value

0.2

0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor

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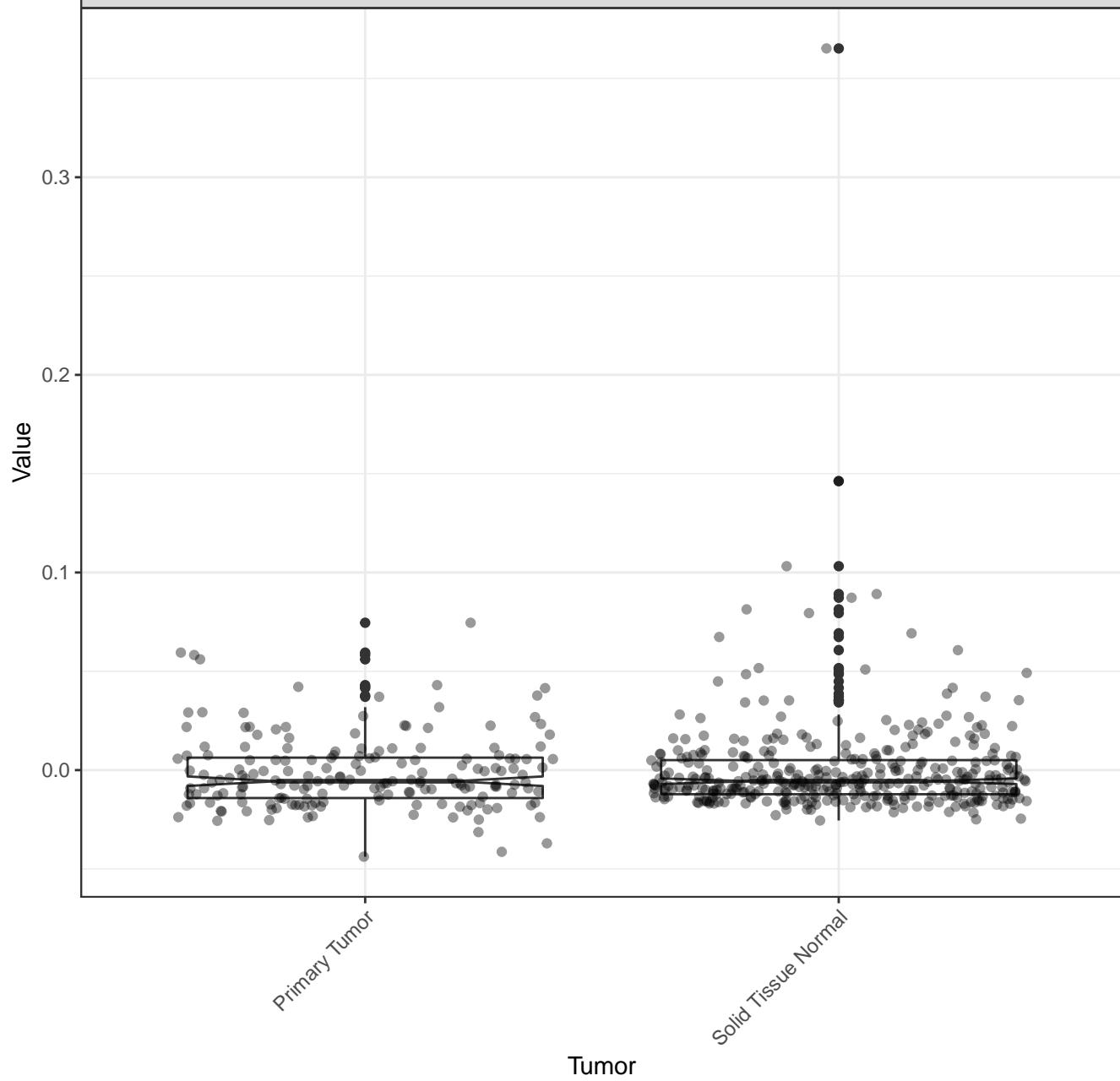
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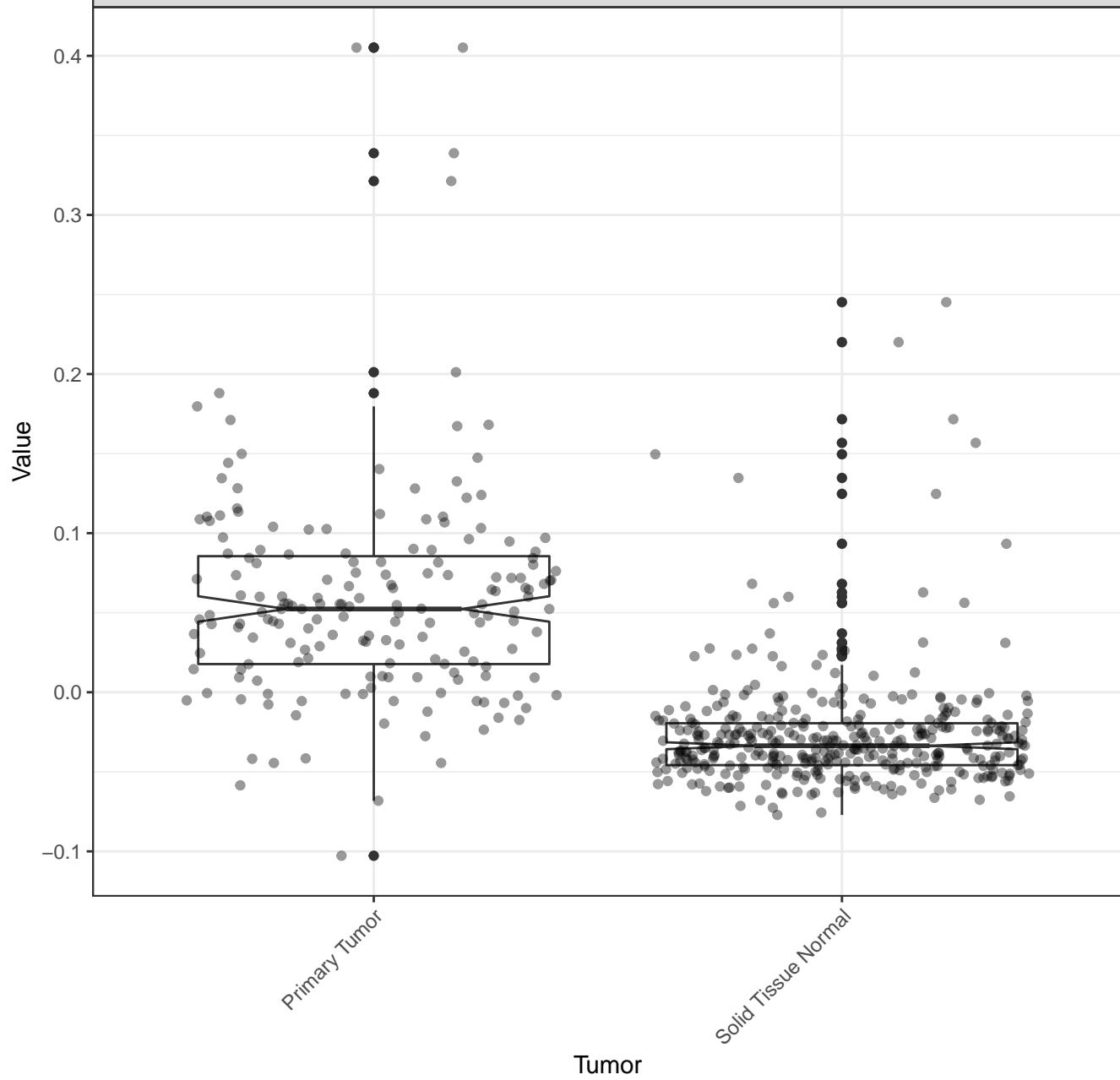
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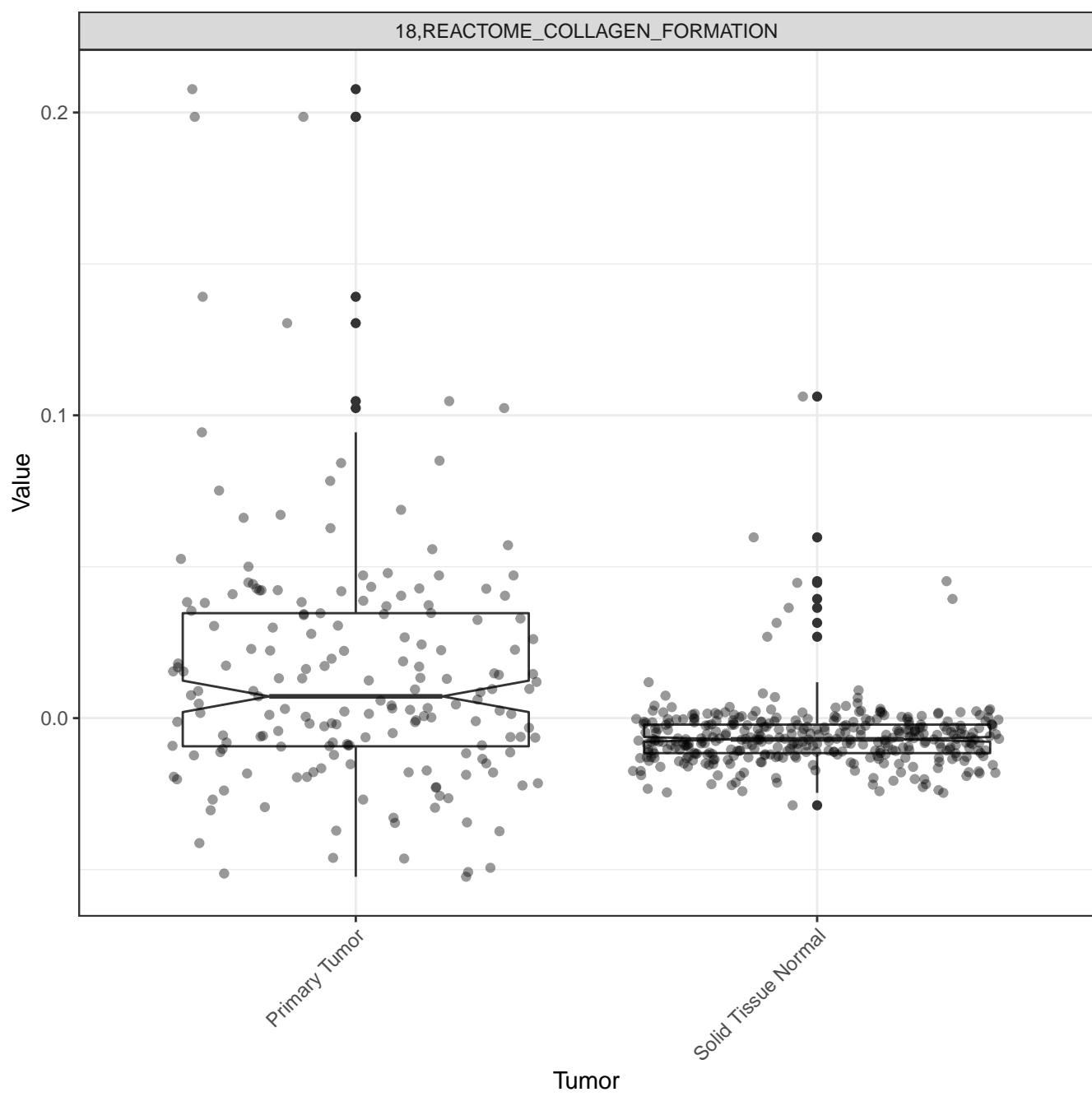
16,KEGG_CALCIUM_SIGNALING_PATHWAY



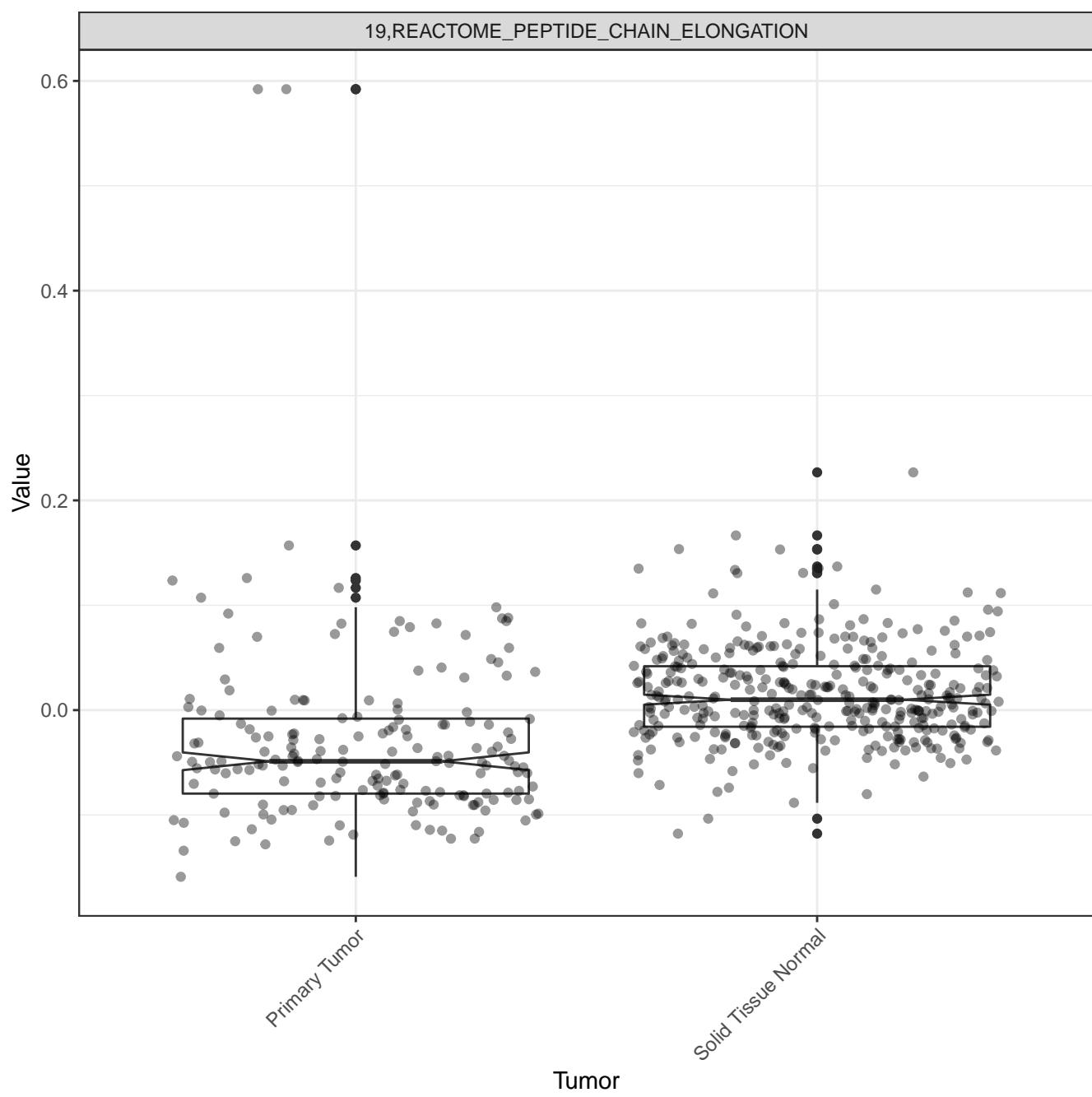
17,BIOCARTA_CHREBP2_PATHWAY



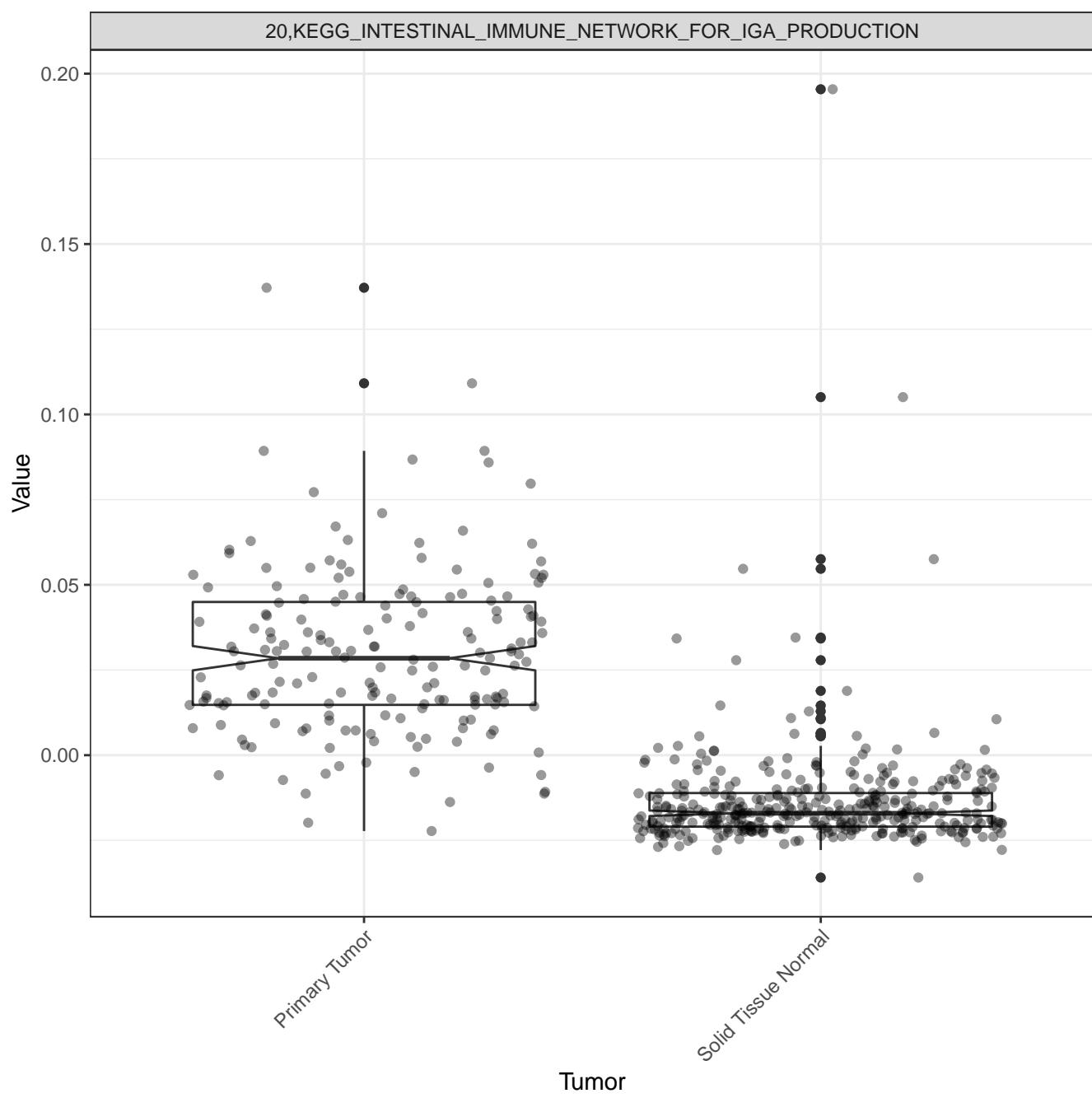
18,REACTOME_COLLAGEN_FORMATION

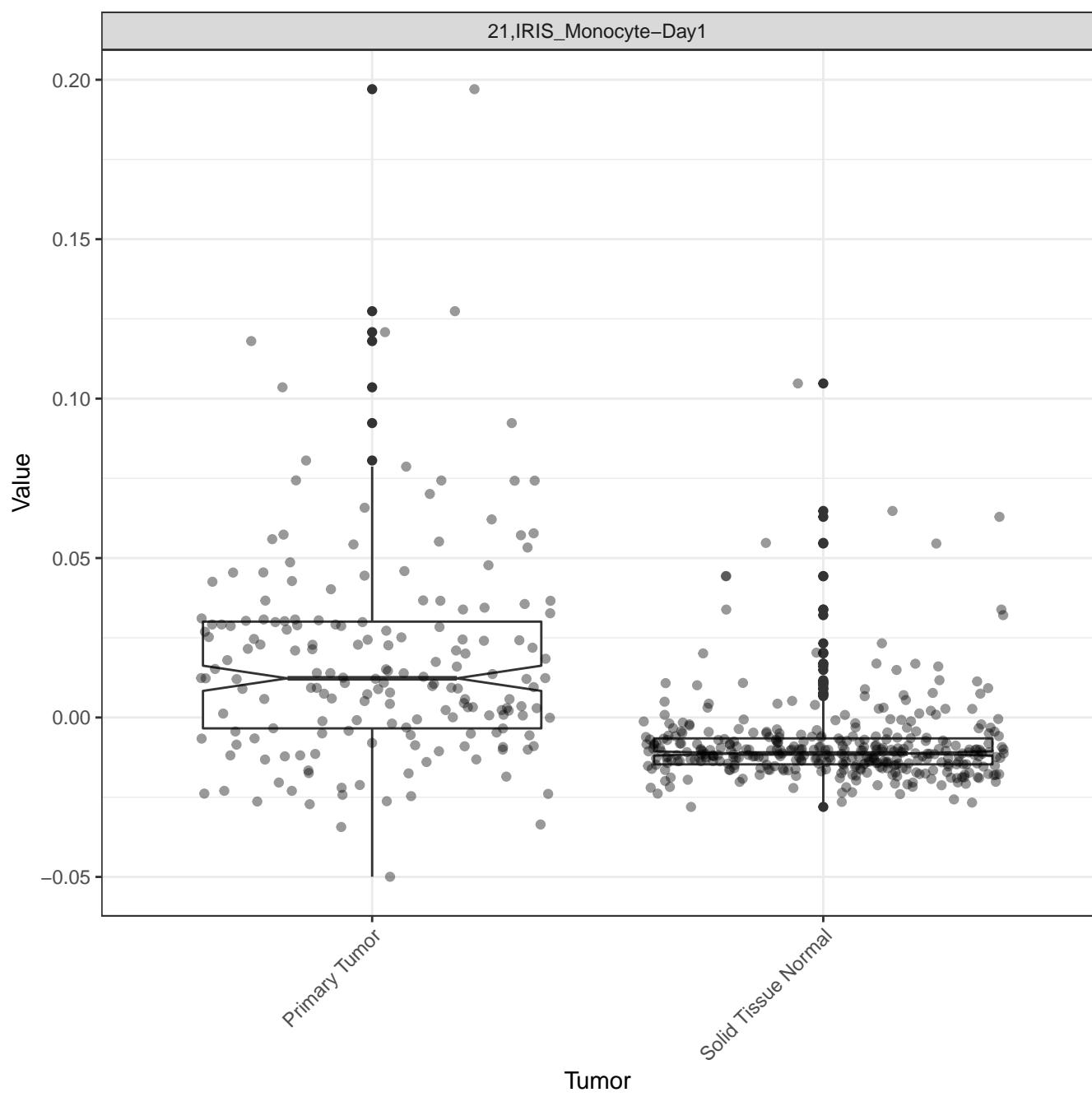


19,REACTOME_PEPTIDE_CHAIN_ELONGATION

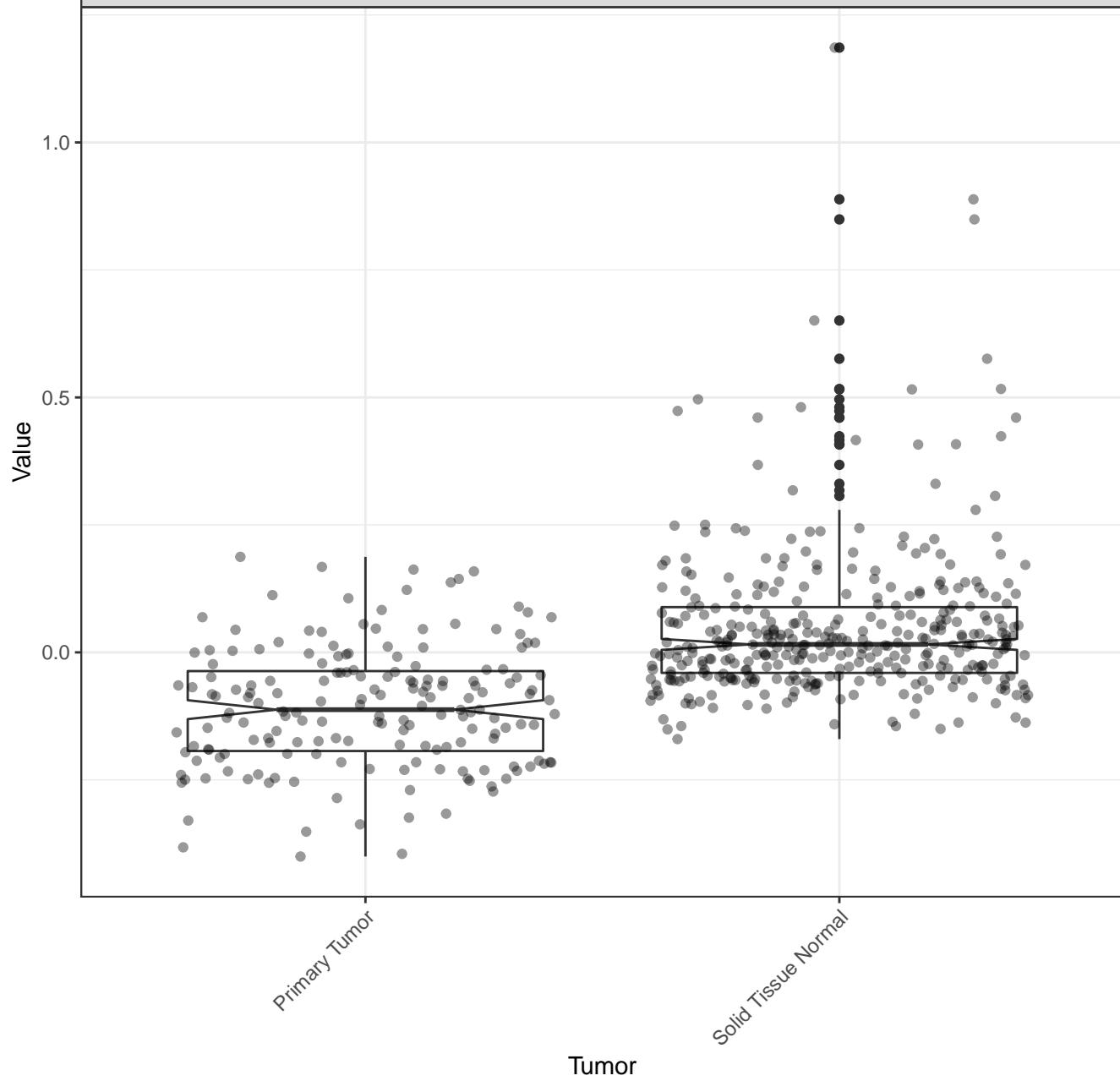


20,KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION

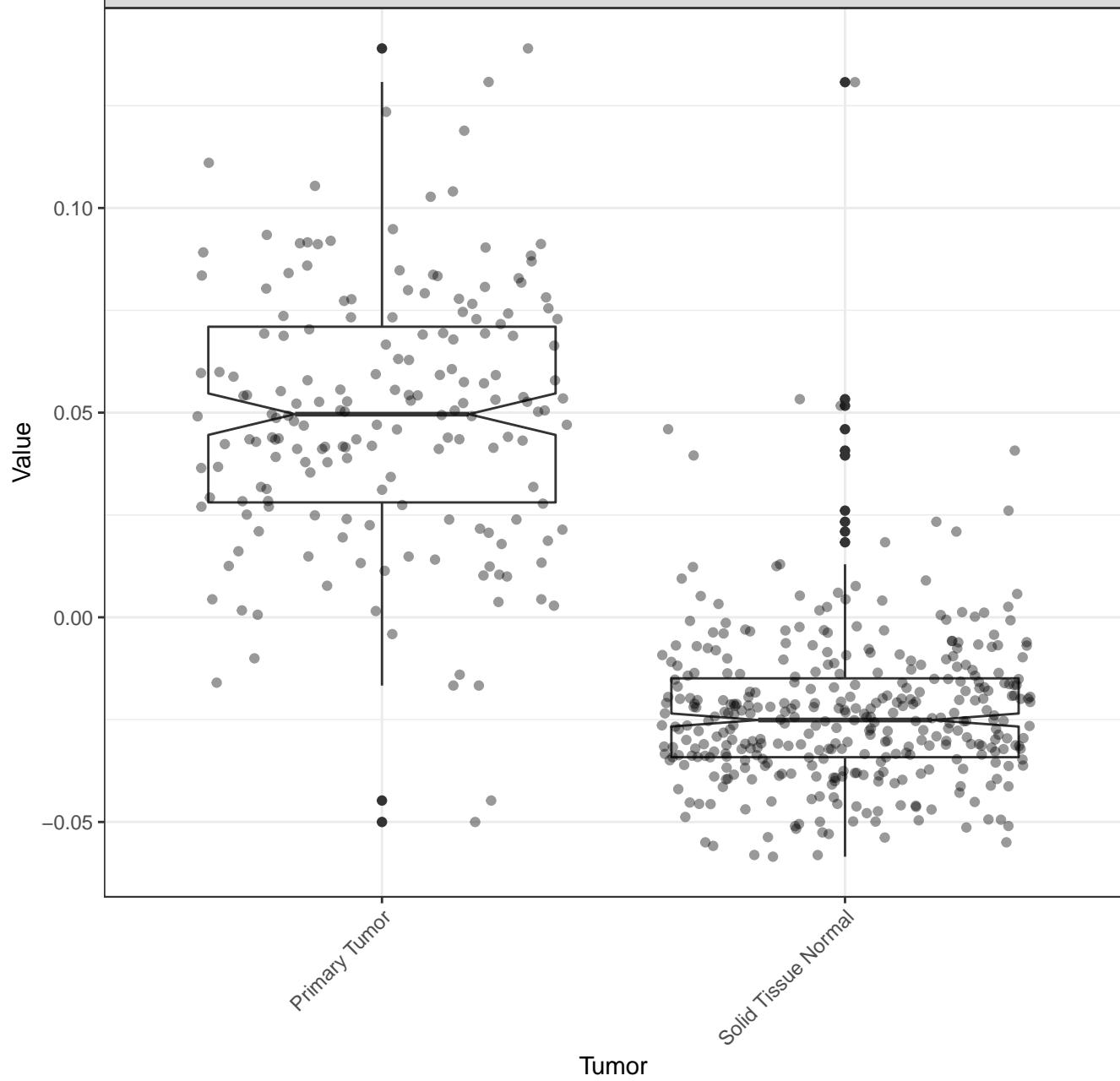




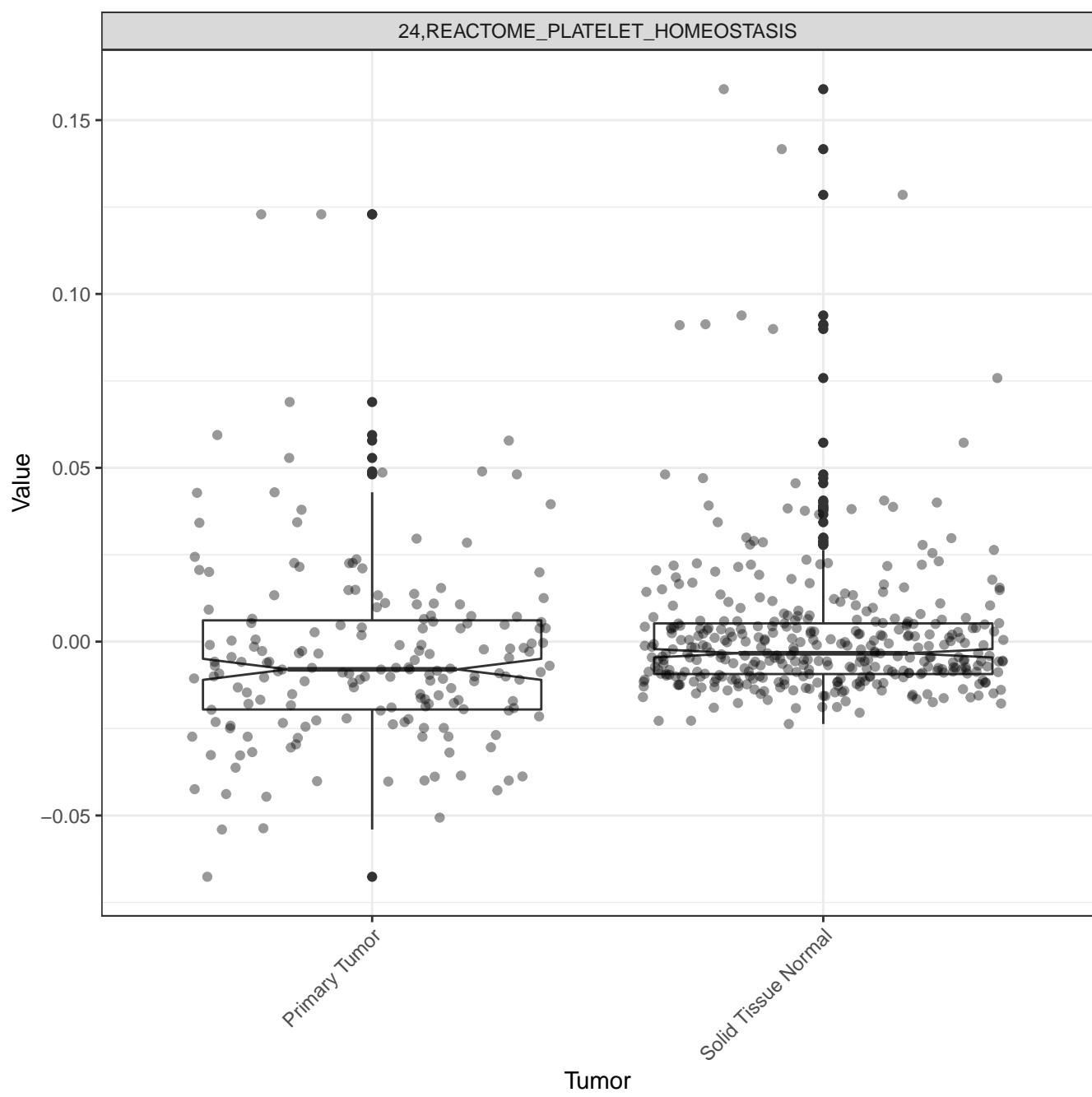
22,KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM



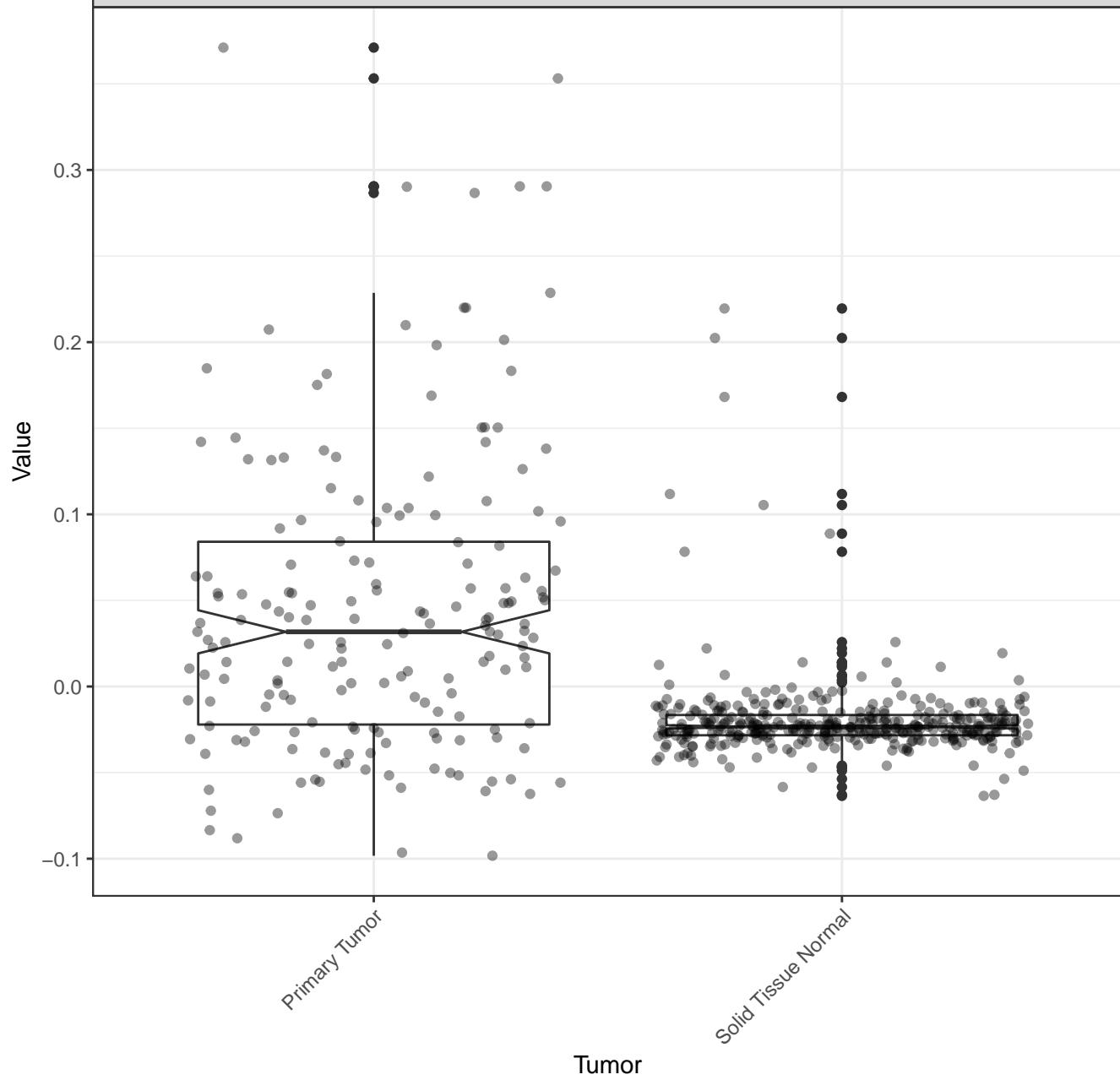
23,DMAP_ERY4



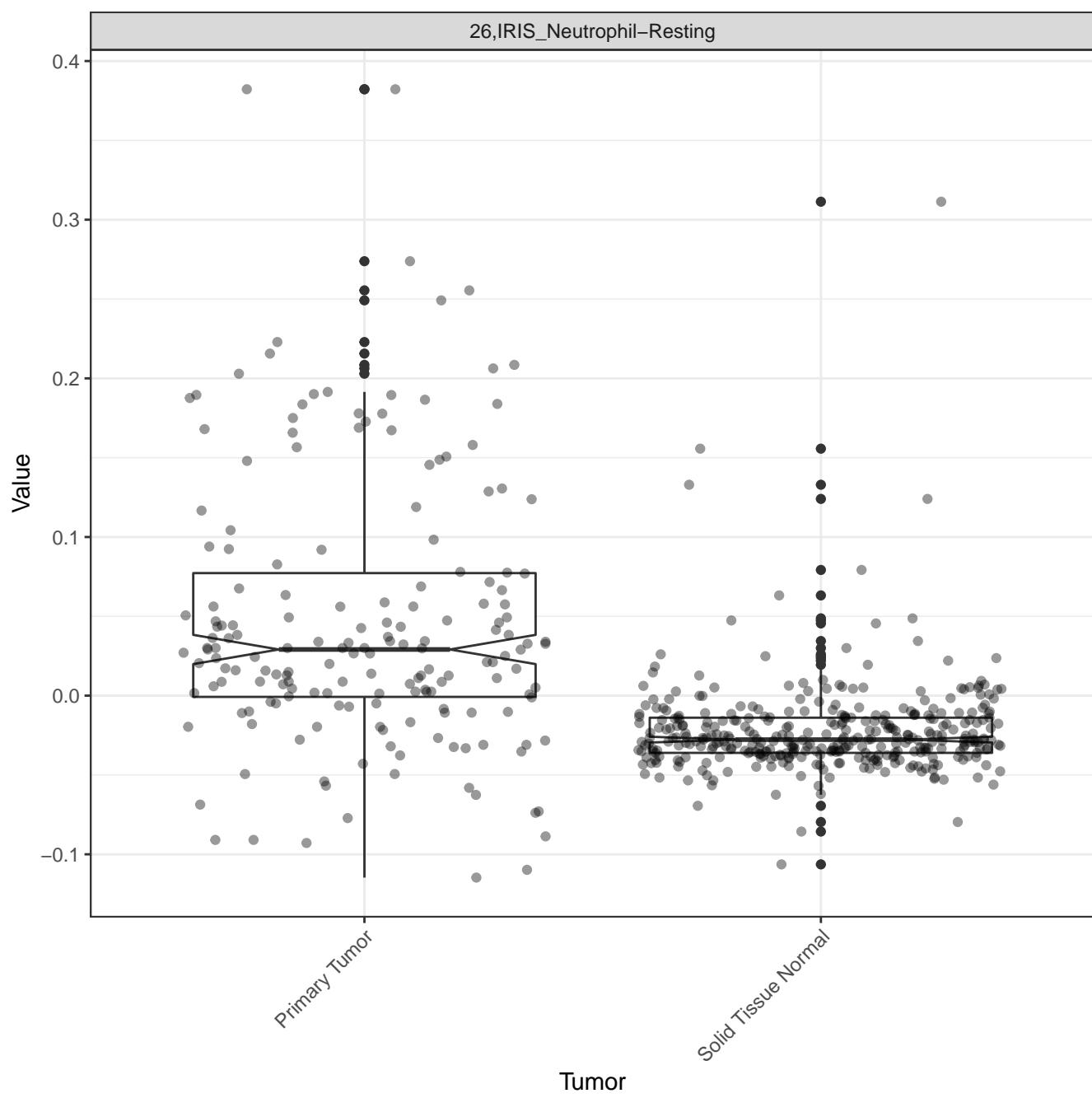
24,REACTOME_PLATELET_HOMEOSTASIS



25,PID_INTEGRIN1_PATHWAY



26,IRIS_Neutrophil-Resting



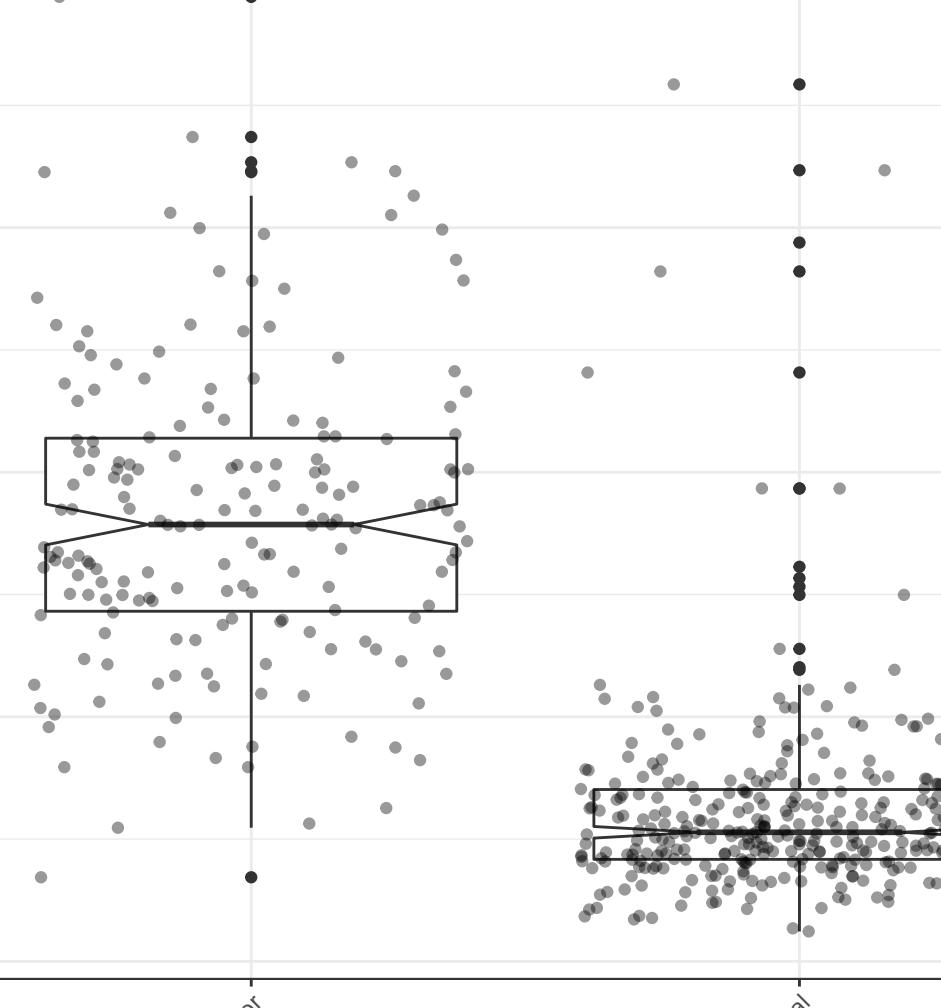
Value

0.15
0.10
0.05
0.00
-0.05

Primary Tumor

Solid Tissue Normal

Tumor



28,REACTOME_INTERFERON_ALPHA_BETA_SIGNALING

Value

0.3

0.2

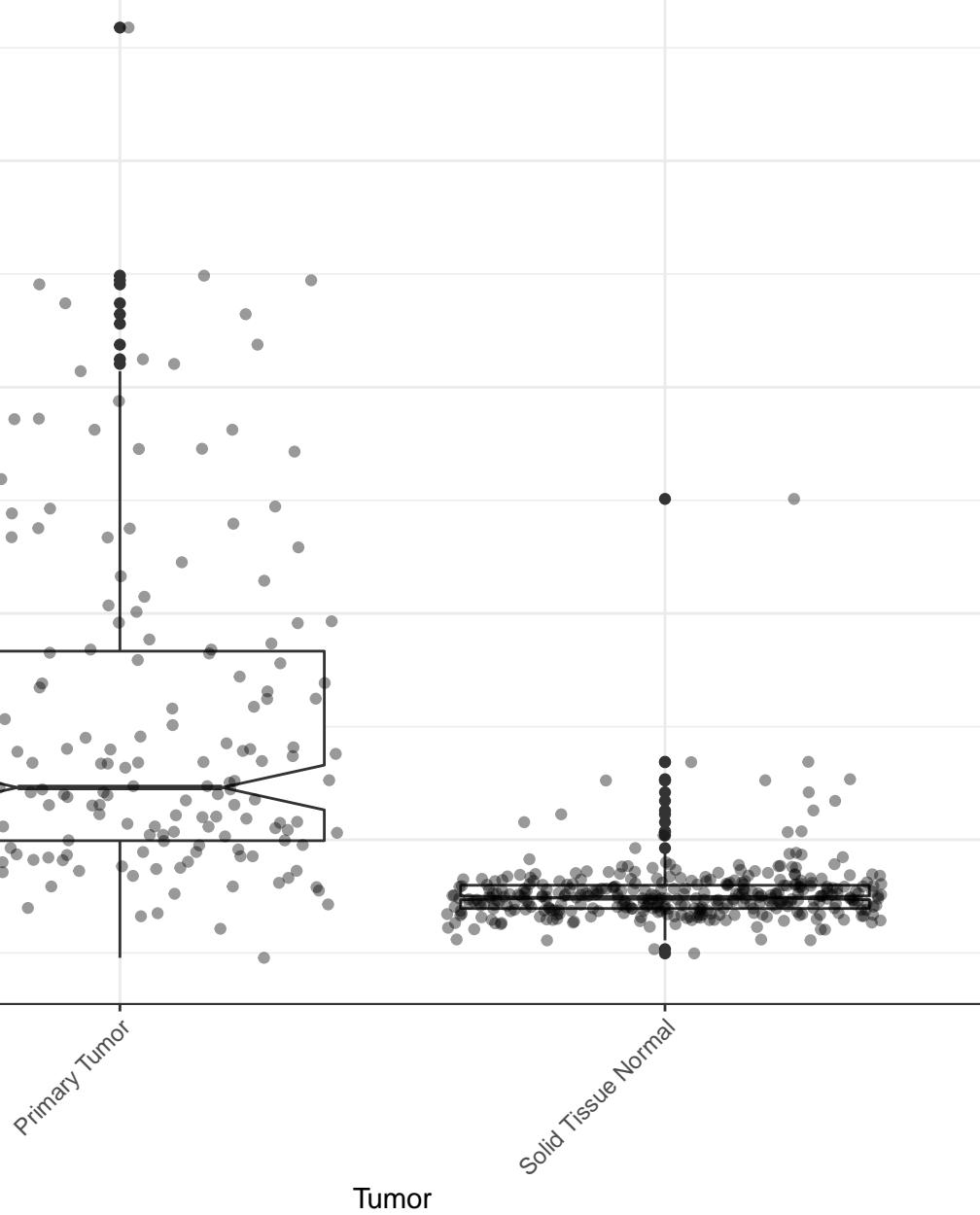
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



29,REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION

Value

0.15

0.10

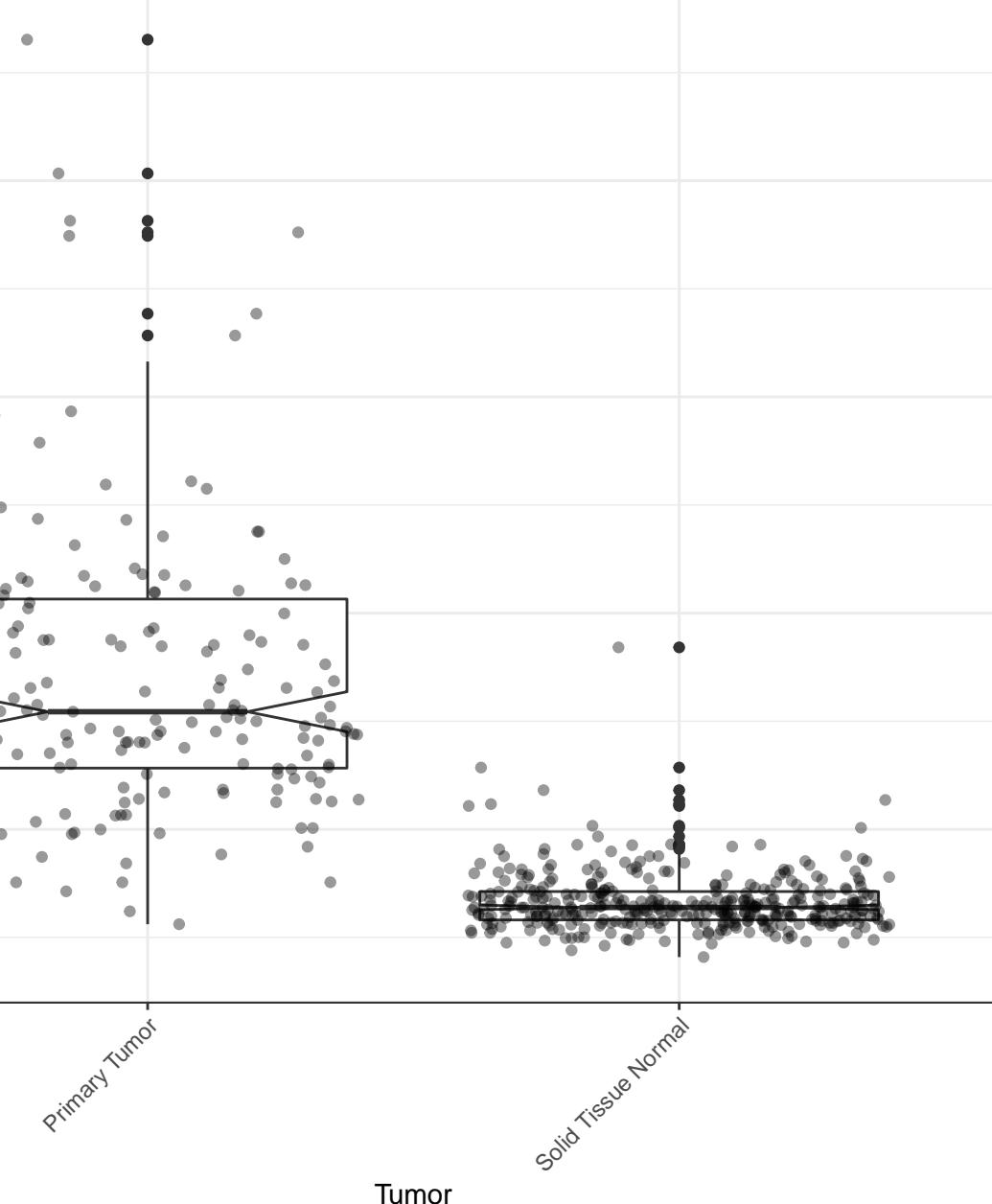
0.05

0.00

Primary Tumor

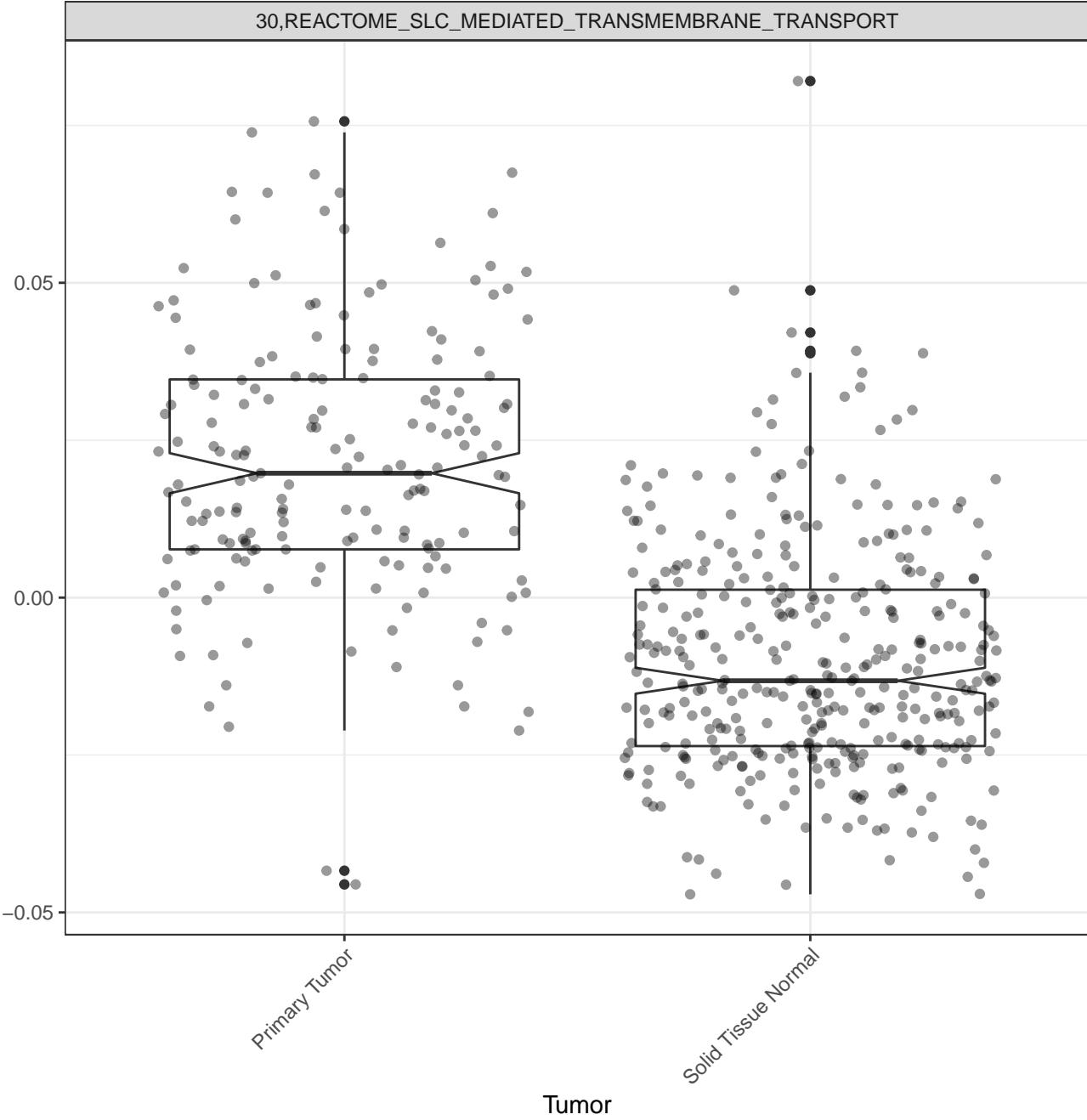
Solid Tissue Normal

Tumor

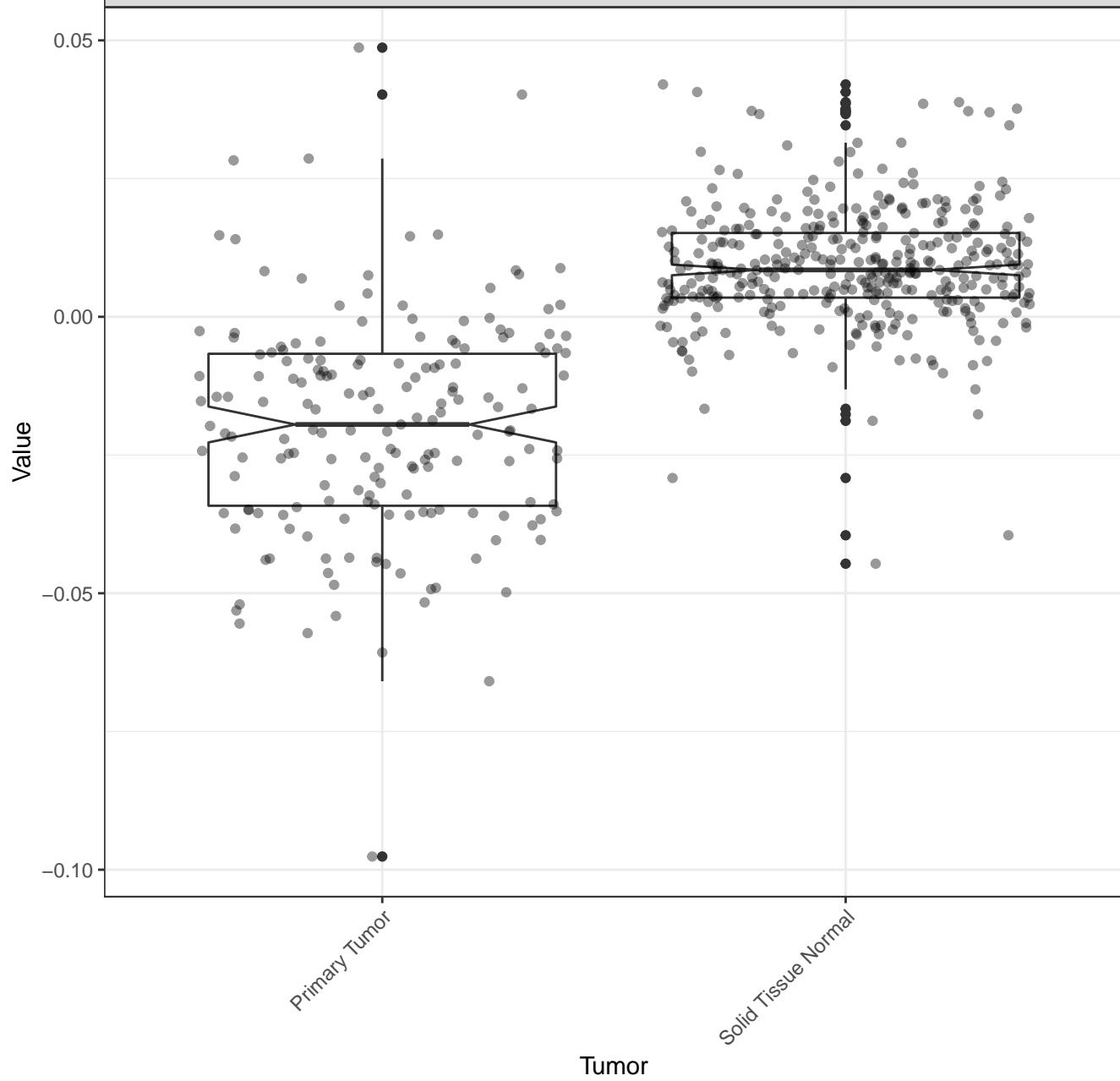


30,REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT

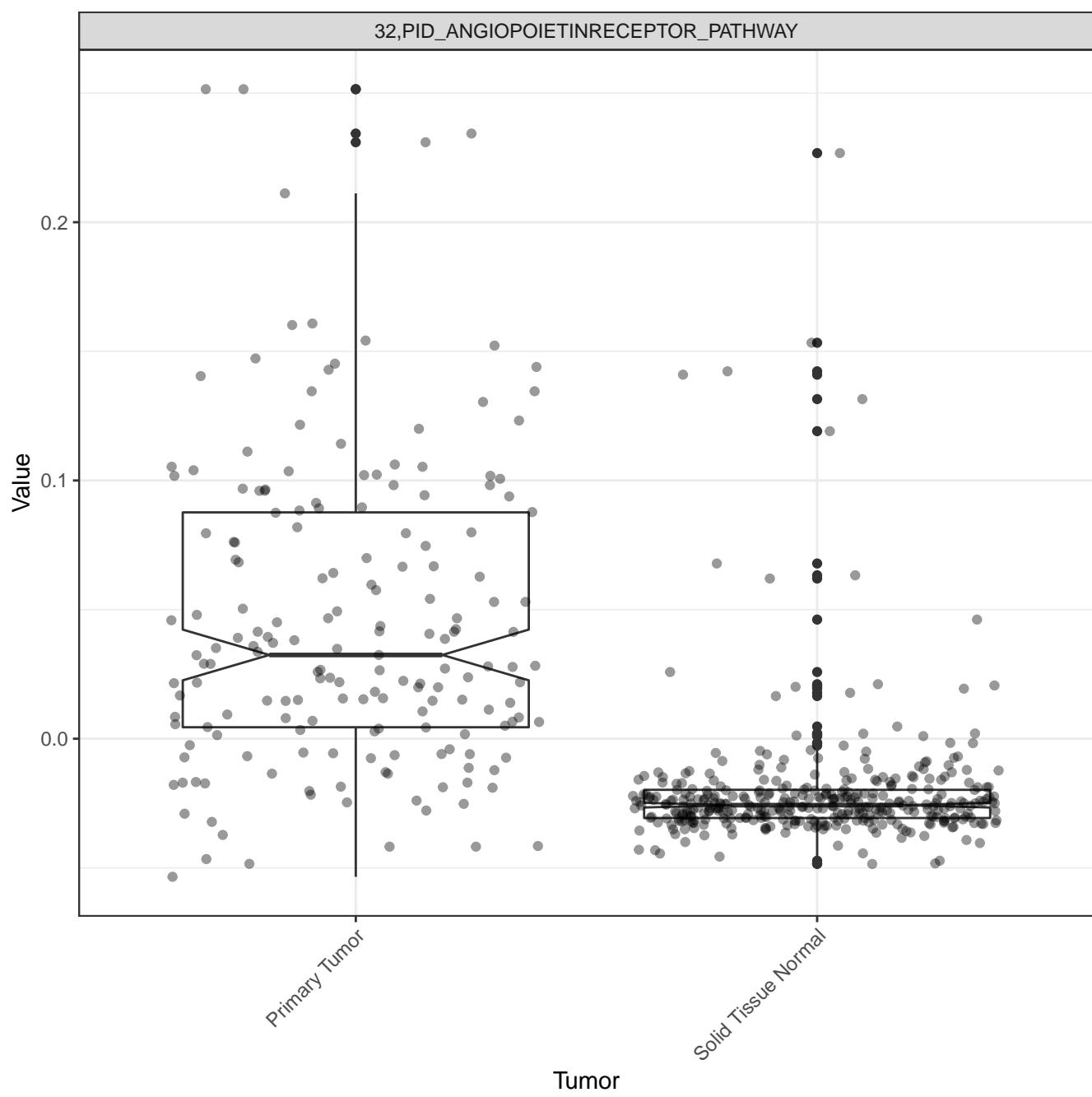
Value



31,KEGG_CYSTEINE_AND_METHIONINE_METABOLISM



32,PID_ANGIOPOIETINRECEPTOR_PATHWAY



Value

0.15

0.10

0.05

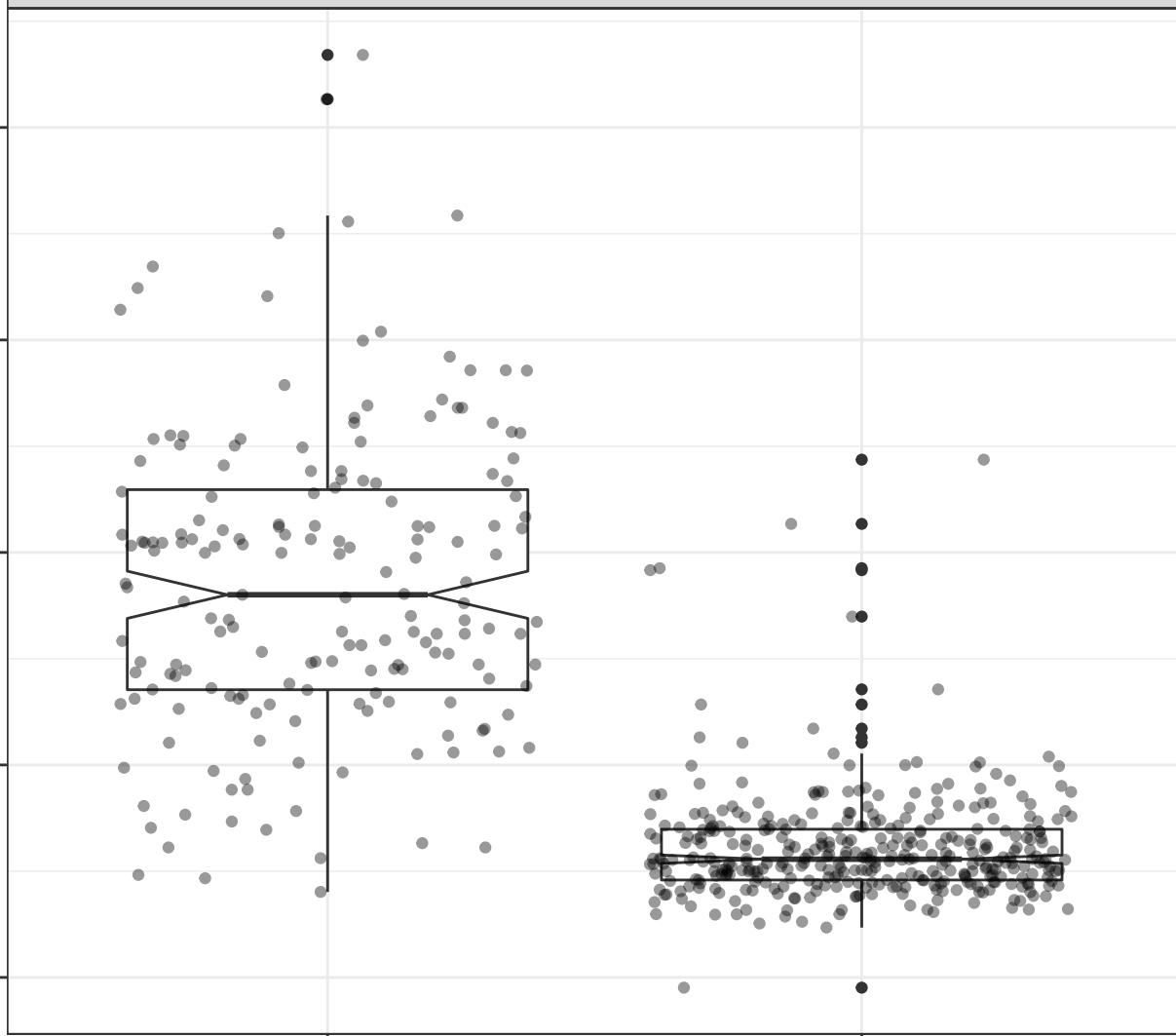
0.00

-0.05

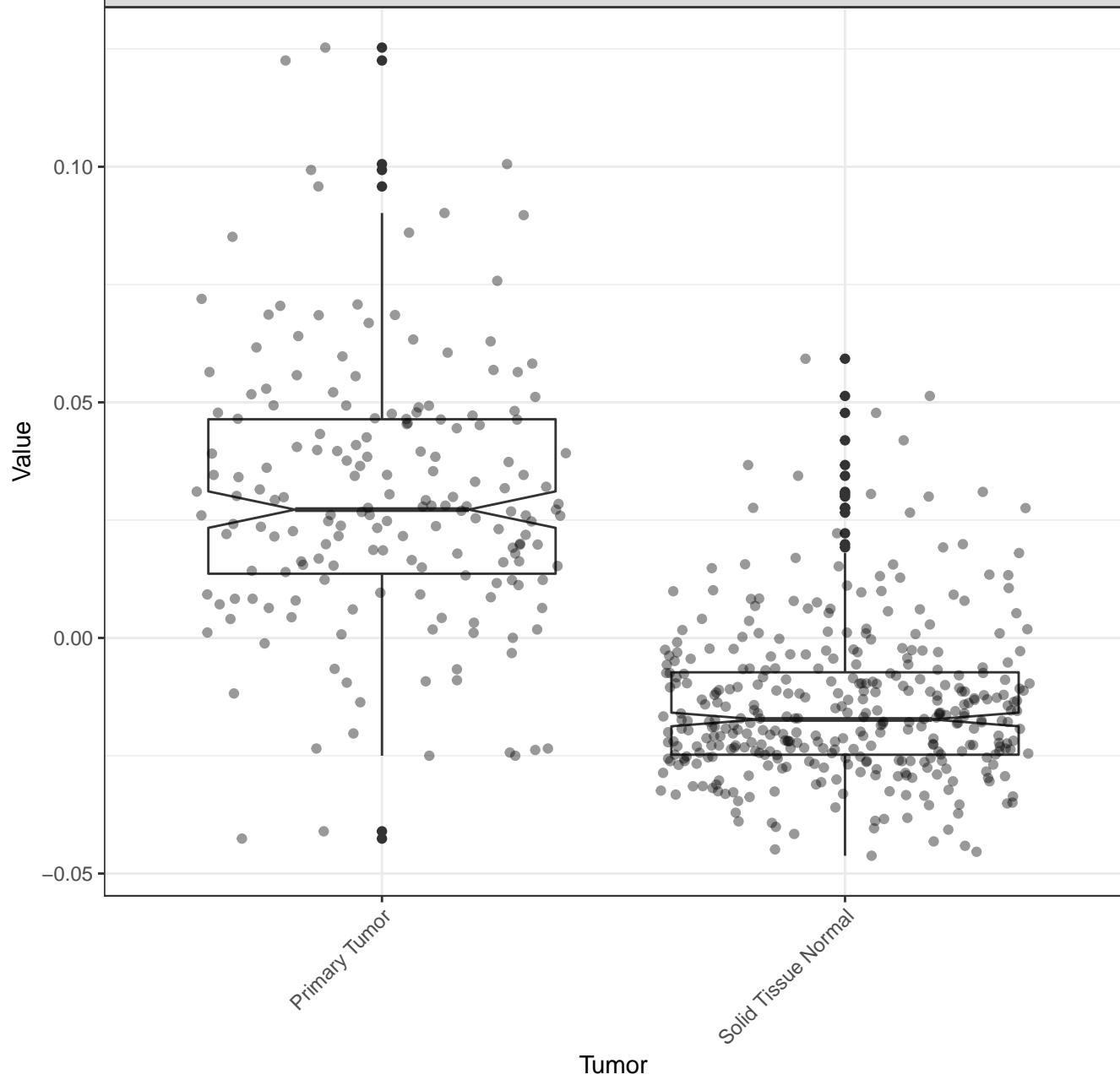
Primary Tumor

Solid Tissue Normal

Tumor



34,REACTOME_3_UTR_MEDIANED_TRANSLATIONAL_REGULATION



35,DMAP_MECA2

Value

0.15

0.10

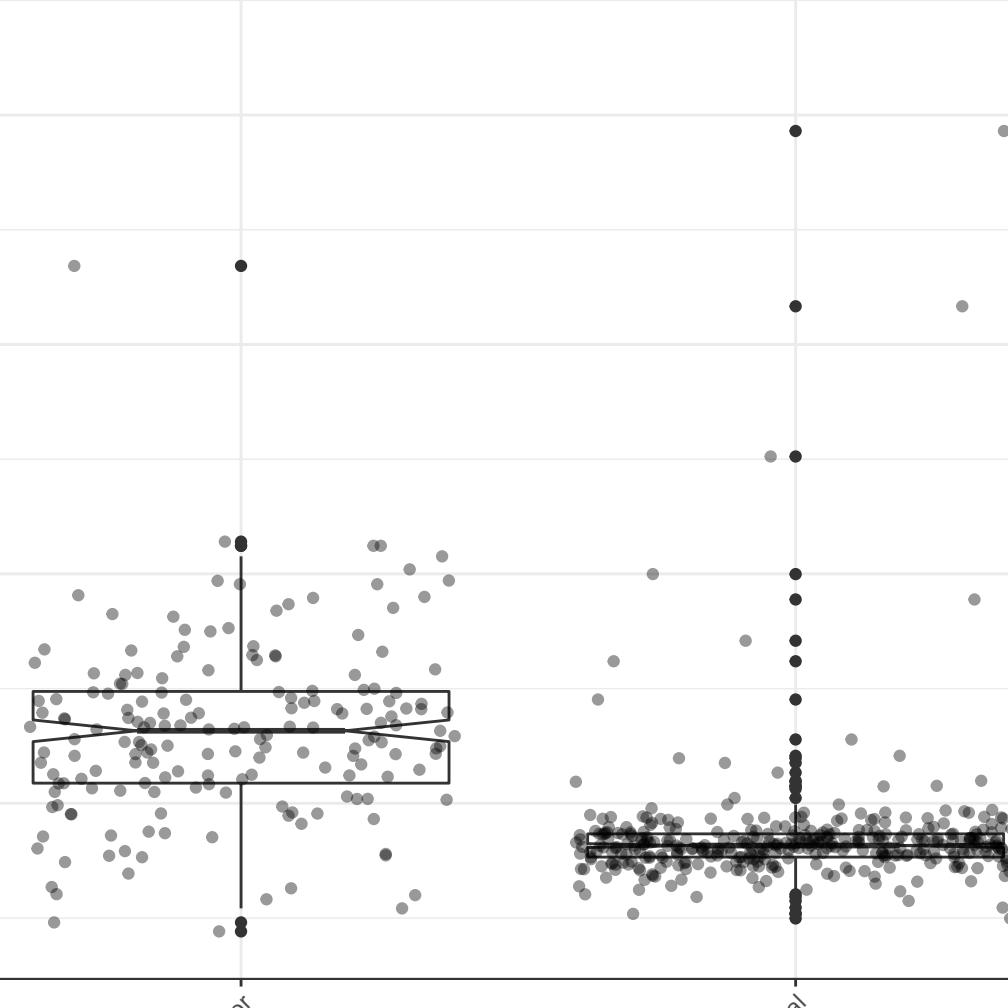
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



36,DMAP_HSC3

Value

0.15

0.10

0.05

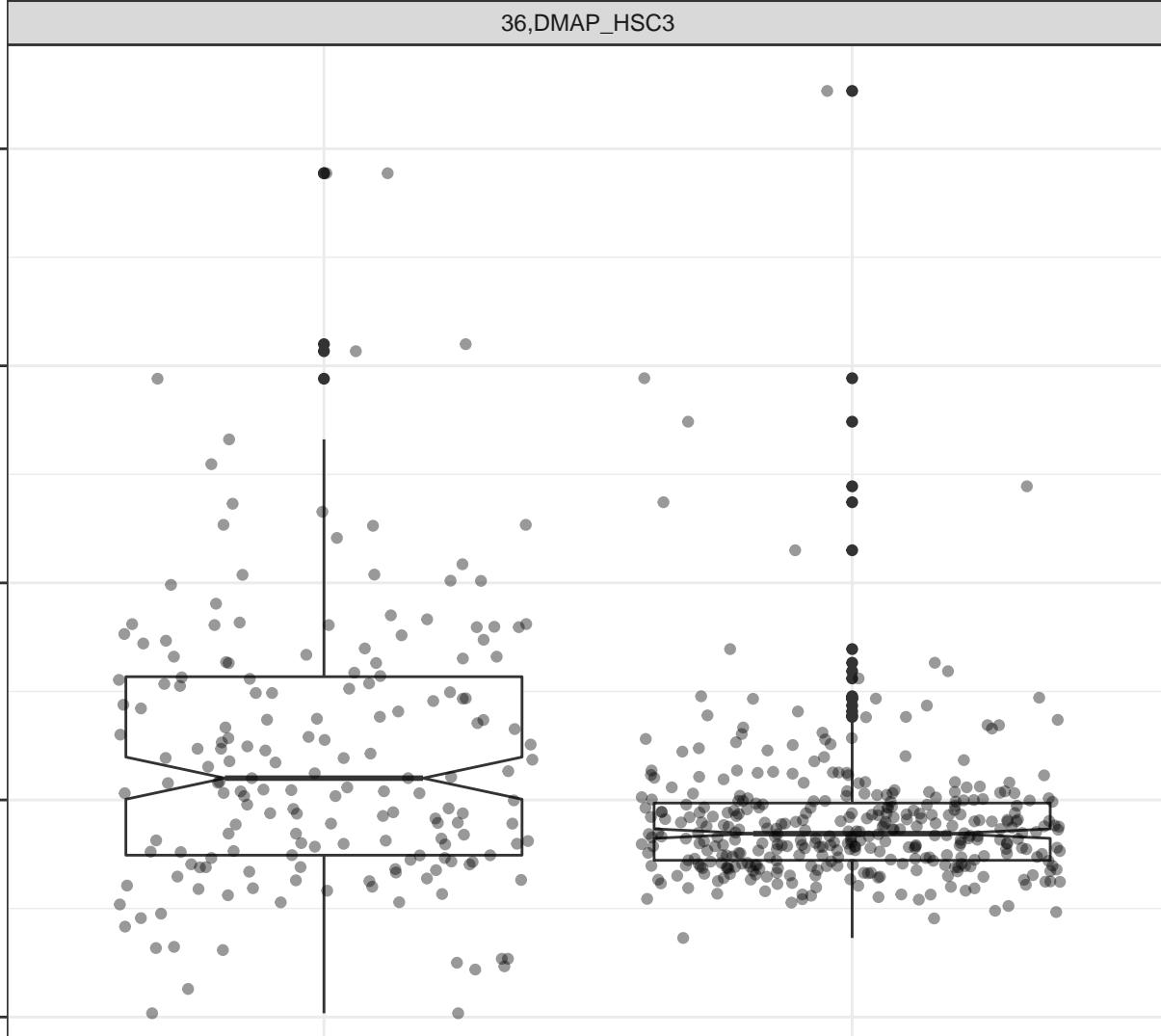
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



37,KEGG_PPAR_SIGNALING_PATHWAY

Value

1.5

1.0

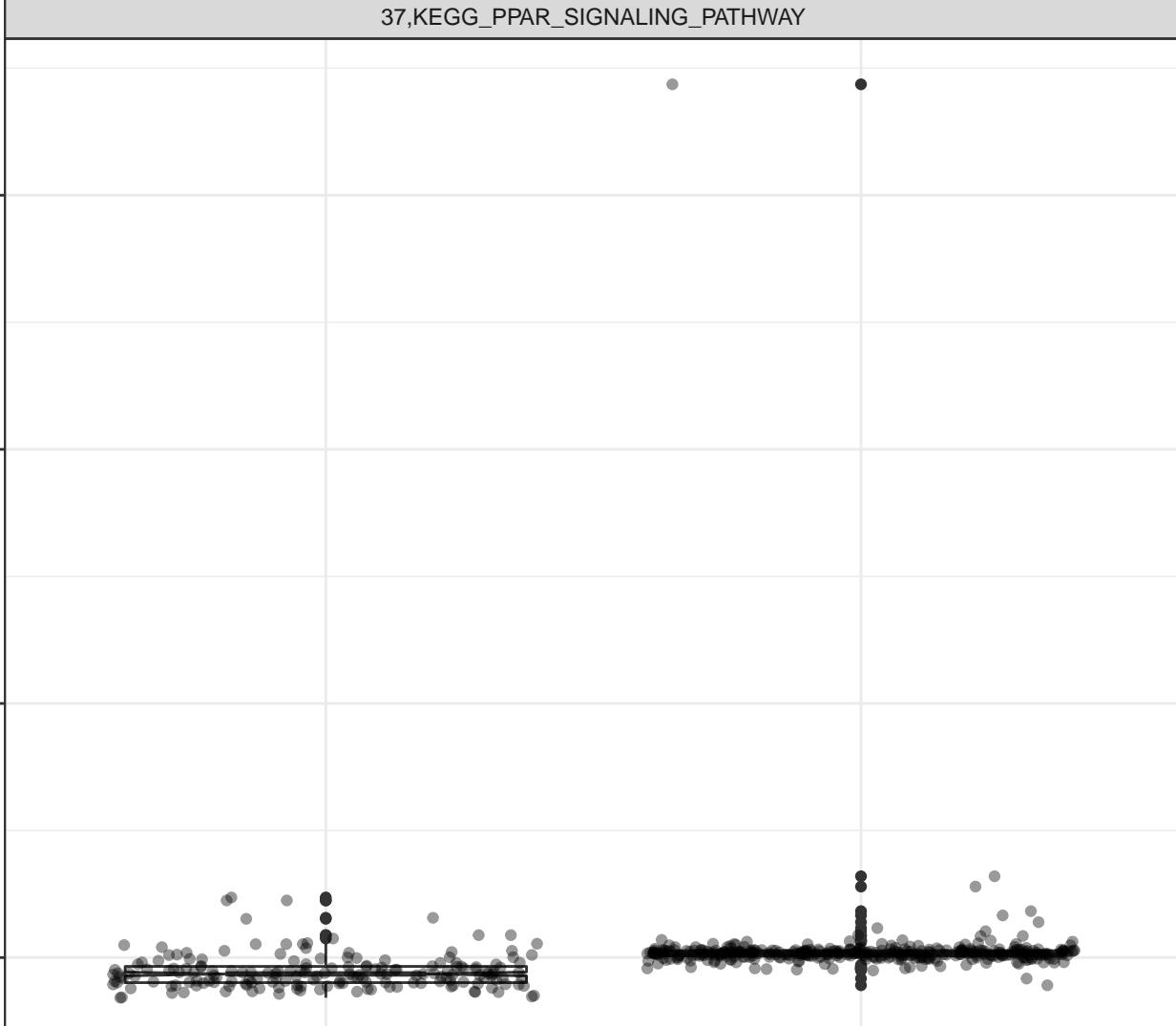
0.5

0.0

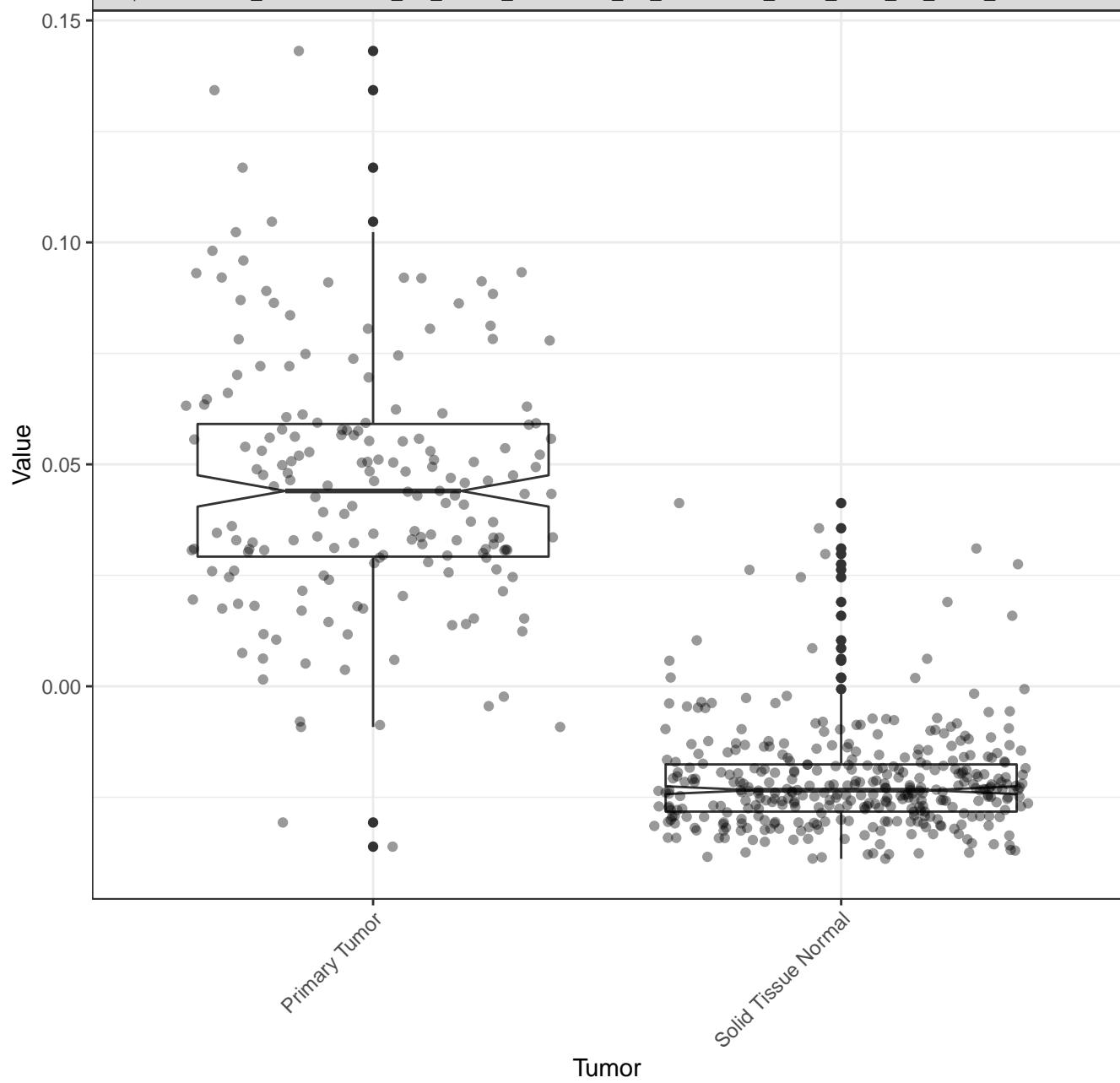
Primary Tumor

Solid Tissue Normal

Tumor



38,REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS



39,KEGG_CELL_ADHESION_MOLECULES_CAMS

Value

0.2

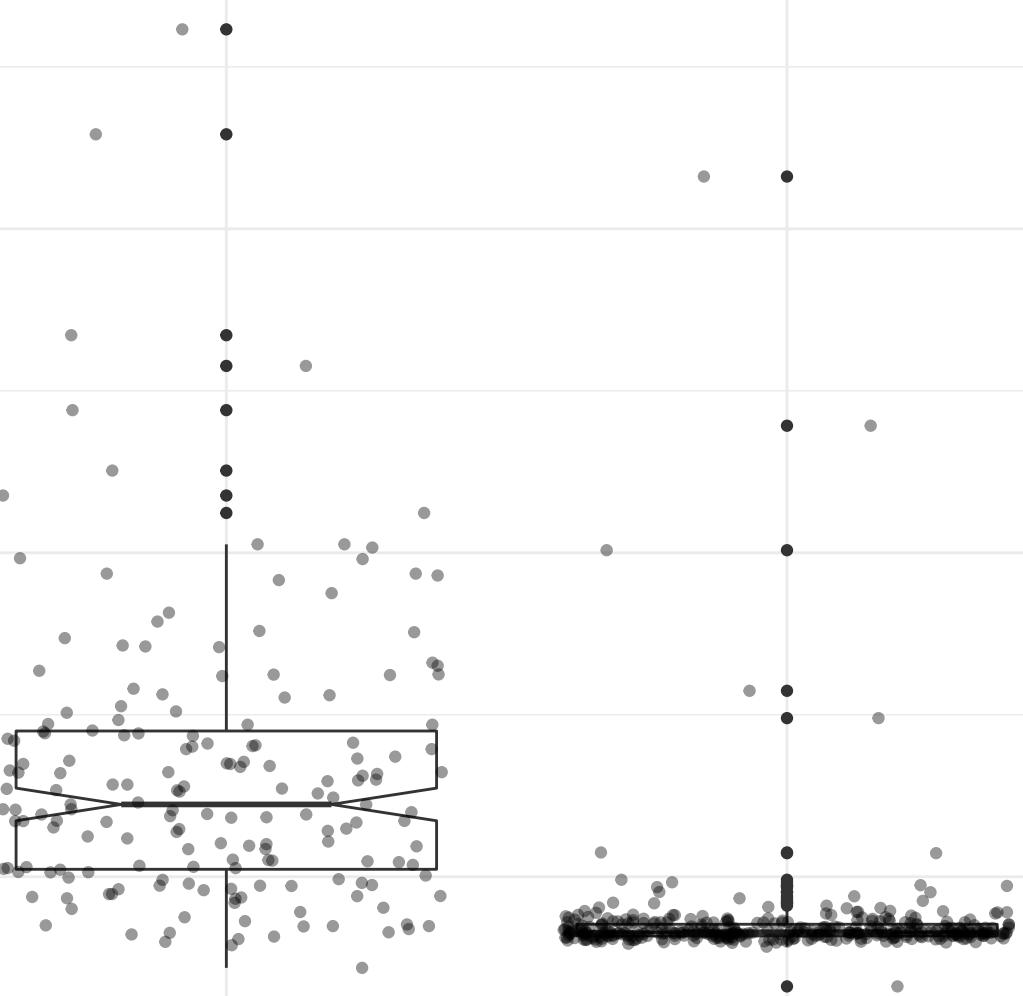
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



40,KEGG_DILATED_CARDIOMYOPATHY

Value

0.3

0.2

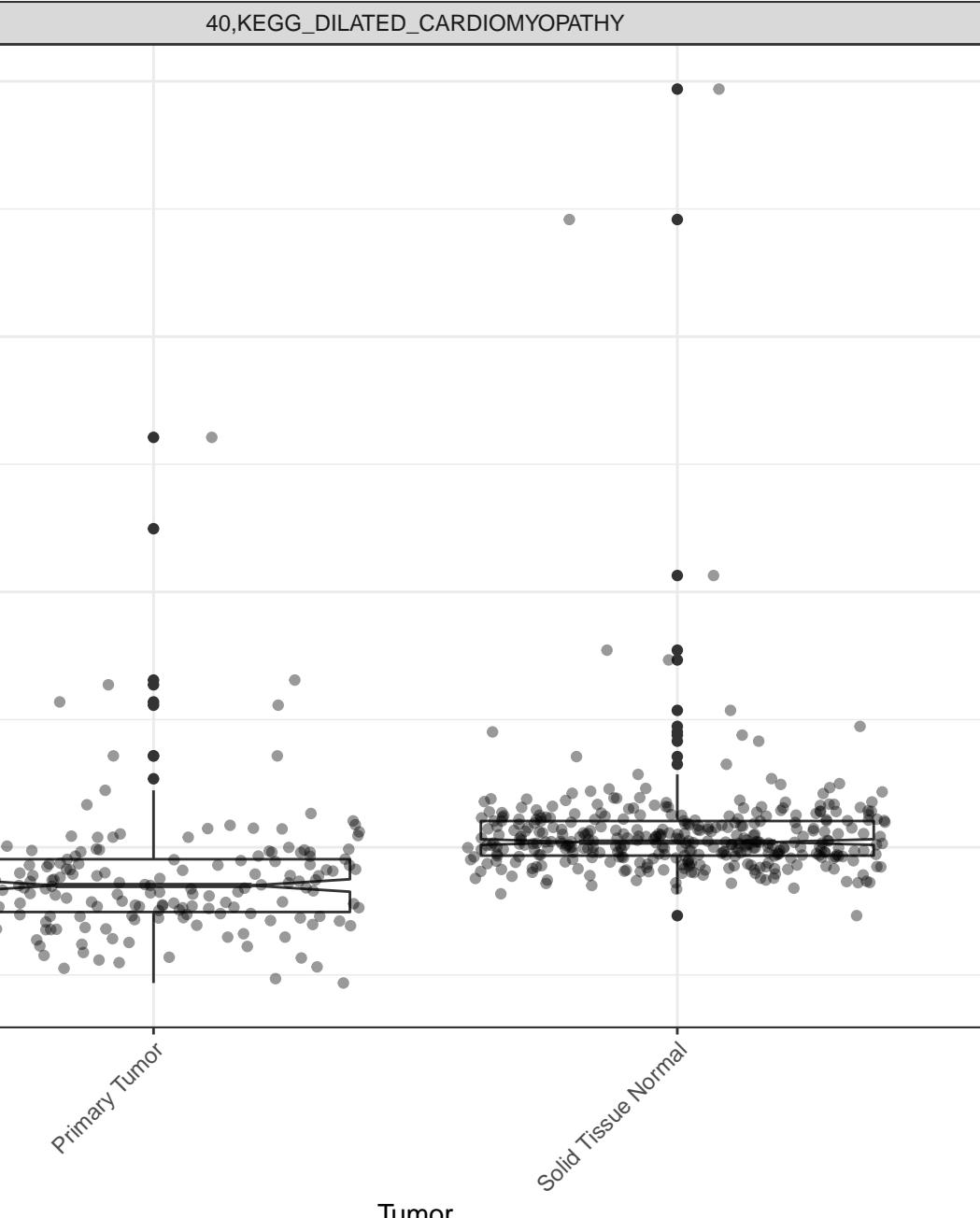
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



41,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES

Value

0.6

0.4

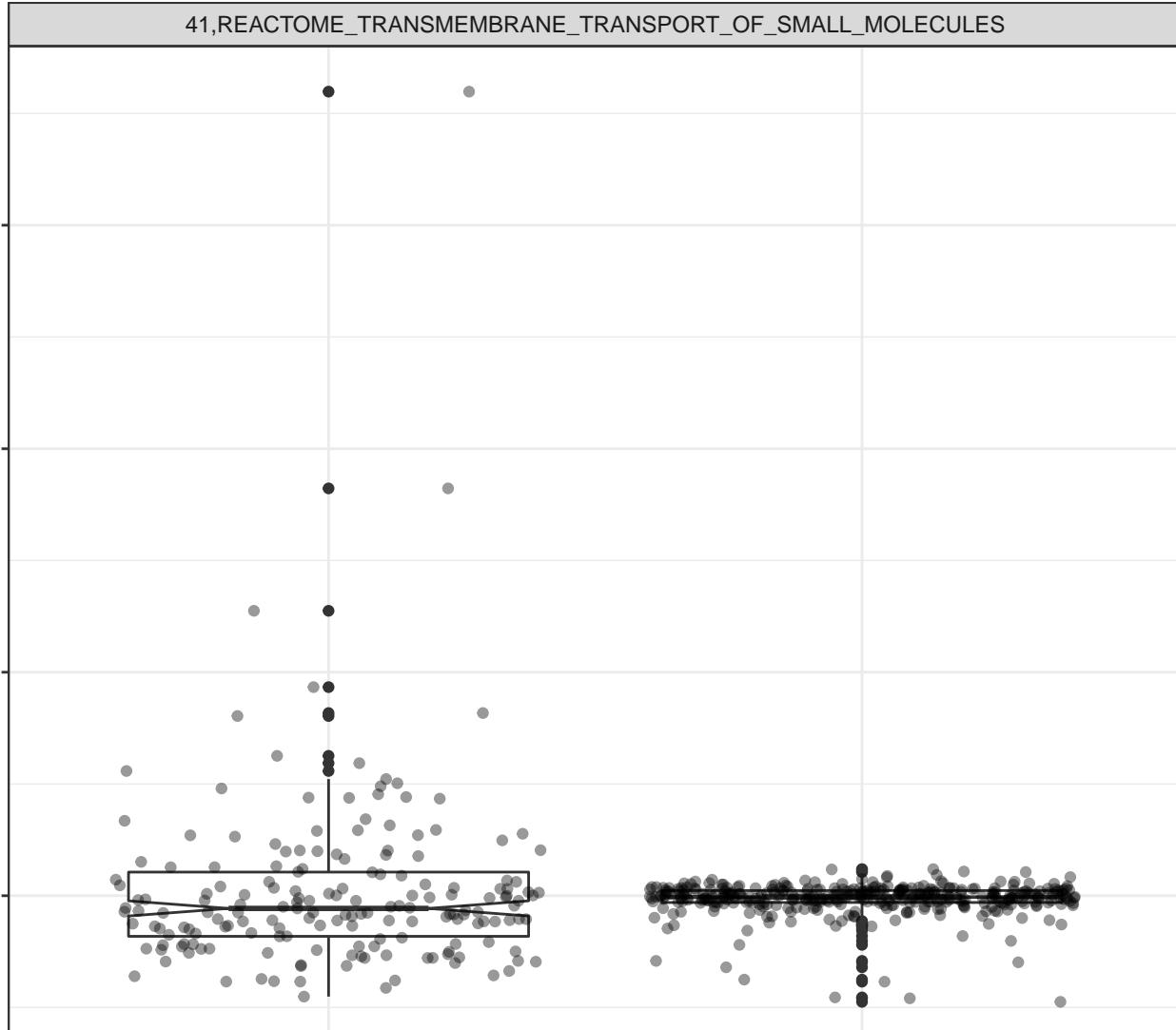
0.2

0.0

Primary Tumor

Solid Tissue Normal

Tumor



42,REACTOME_DEVELOPMENTAL_BIOLOGY

Value

0.2

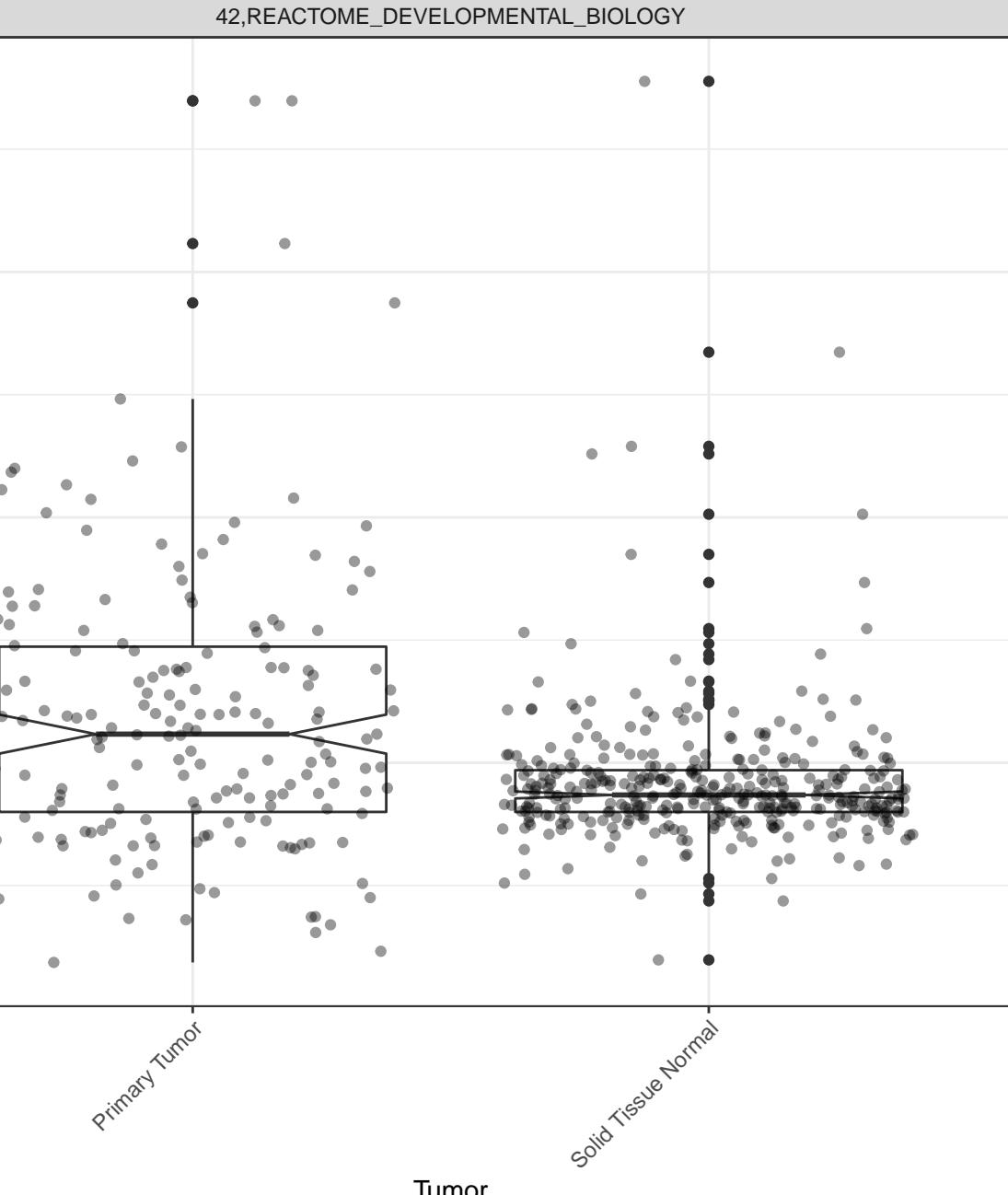
0.1

0.0

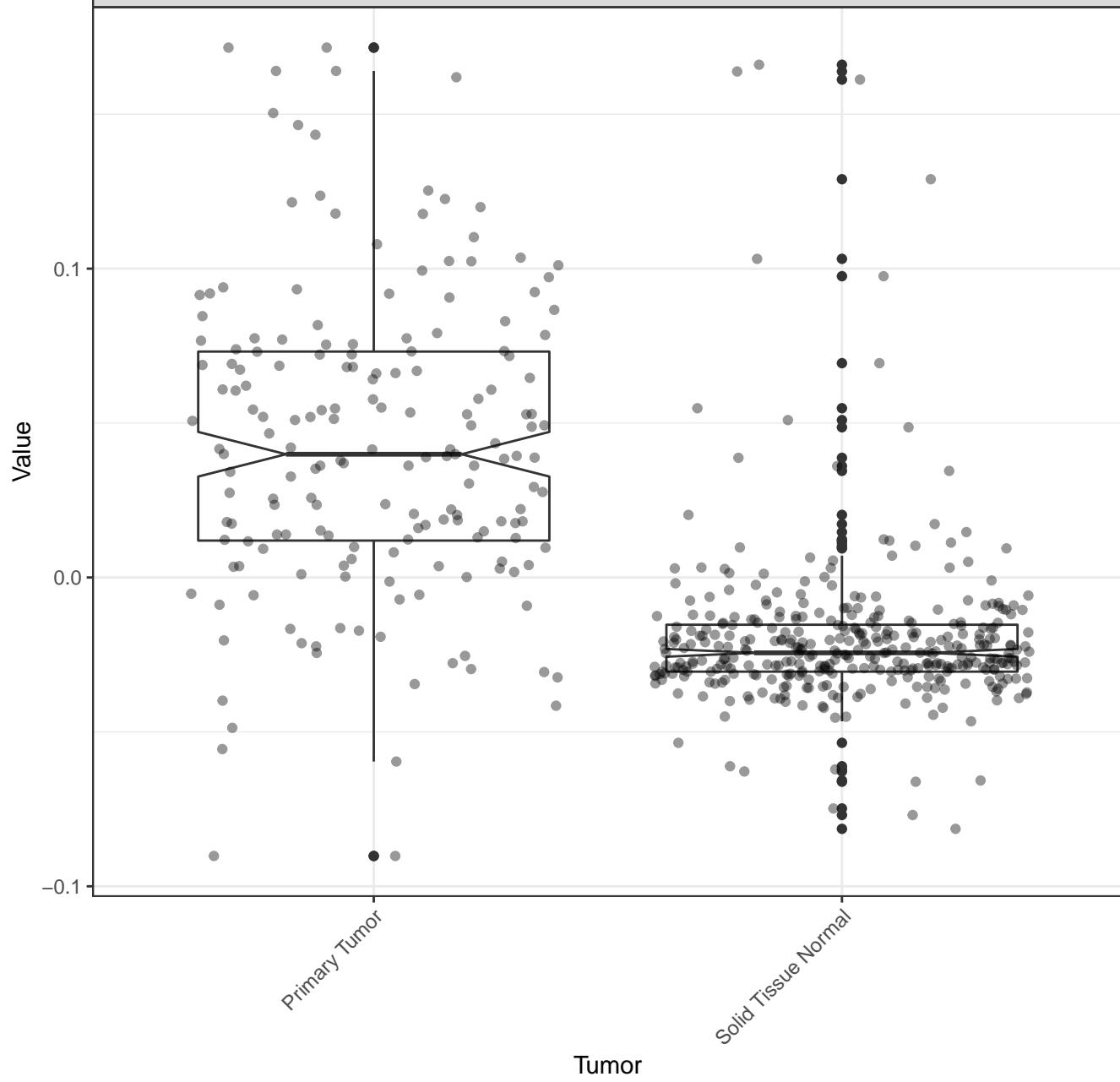
Primary Tumor

Solid Tissue Normal

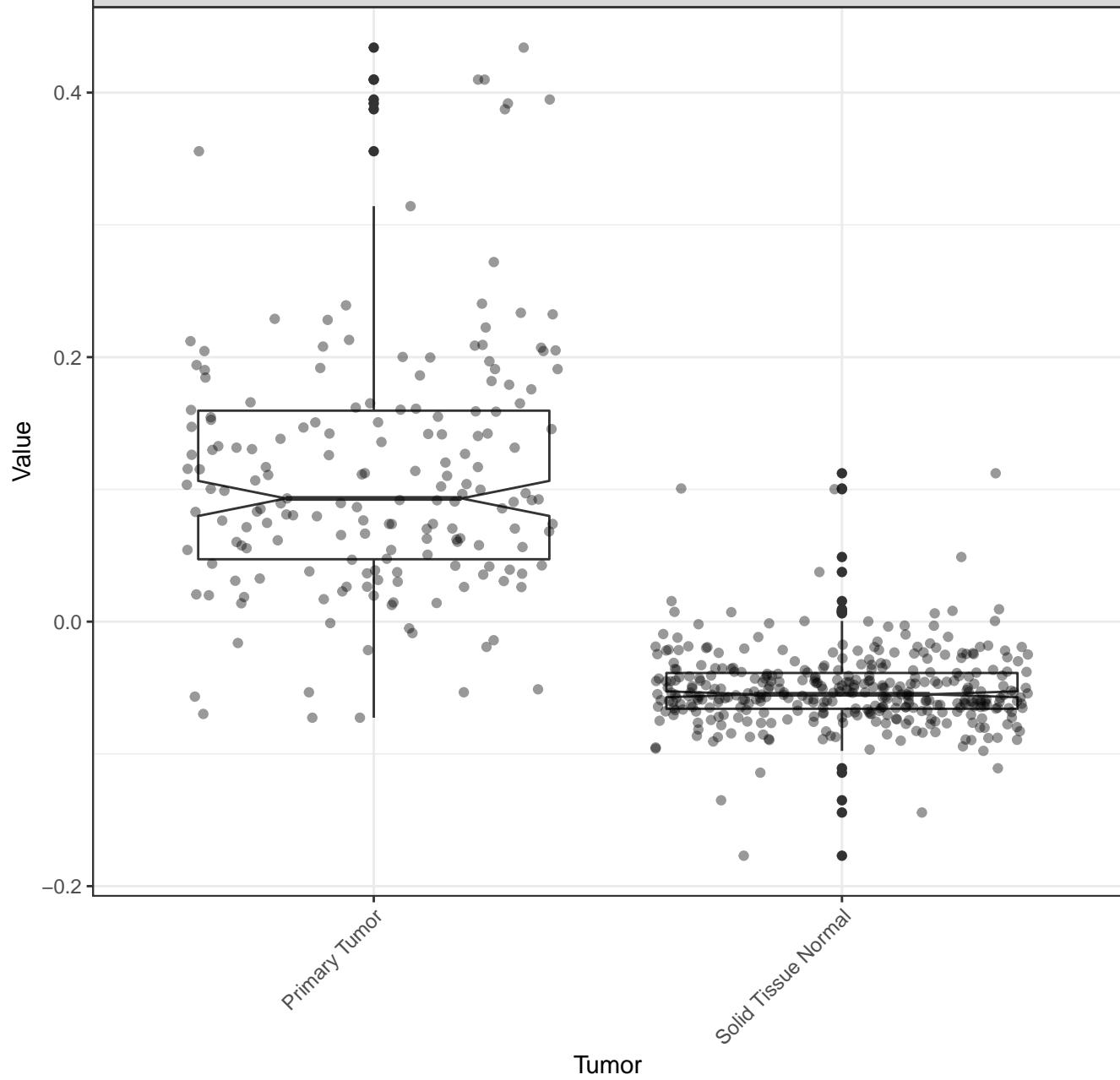
Tumor



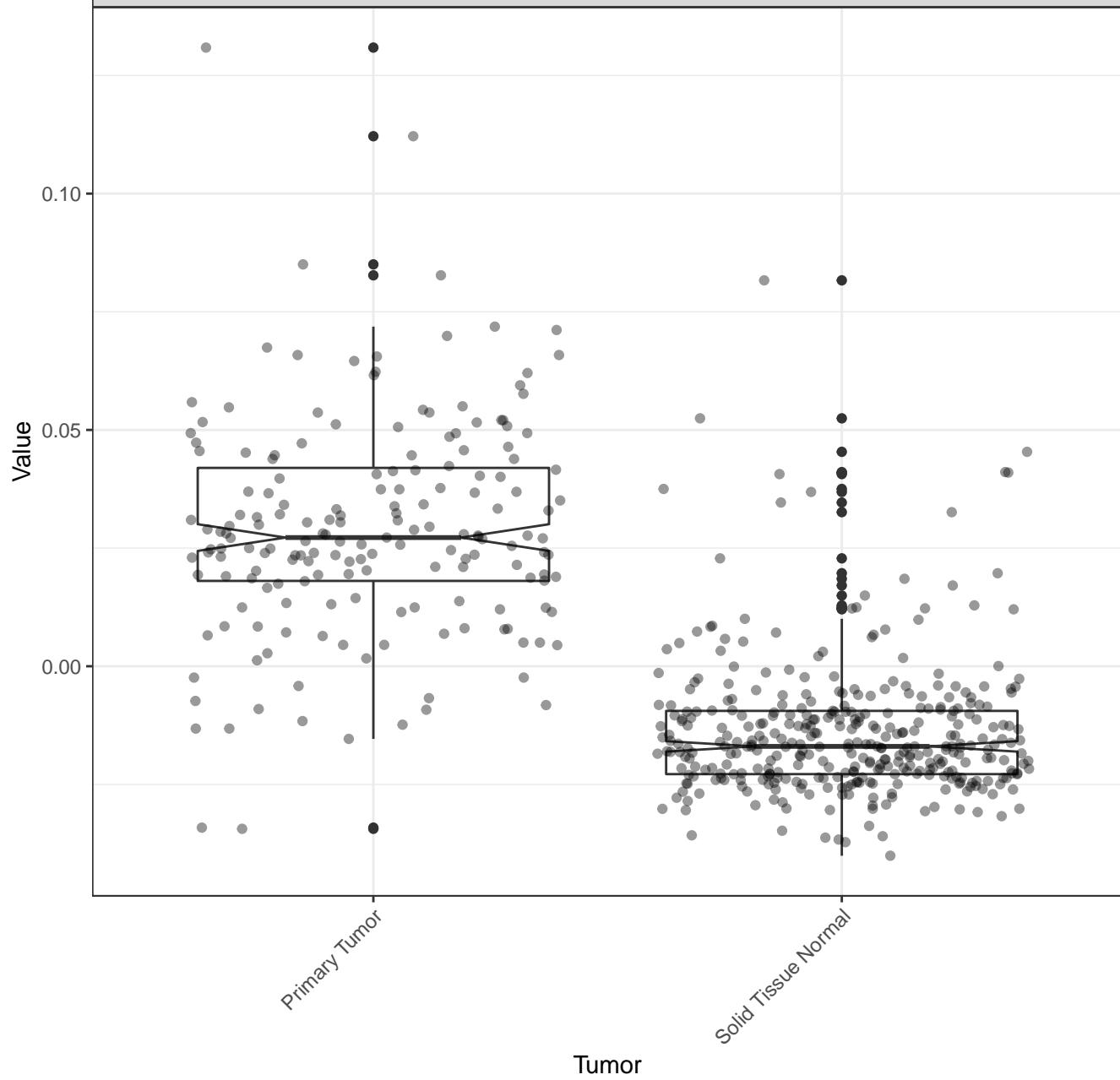
43,KEGG_BASAL_CELL_CARCINOMA



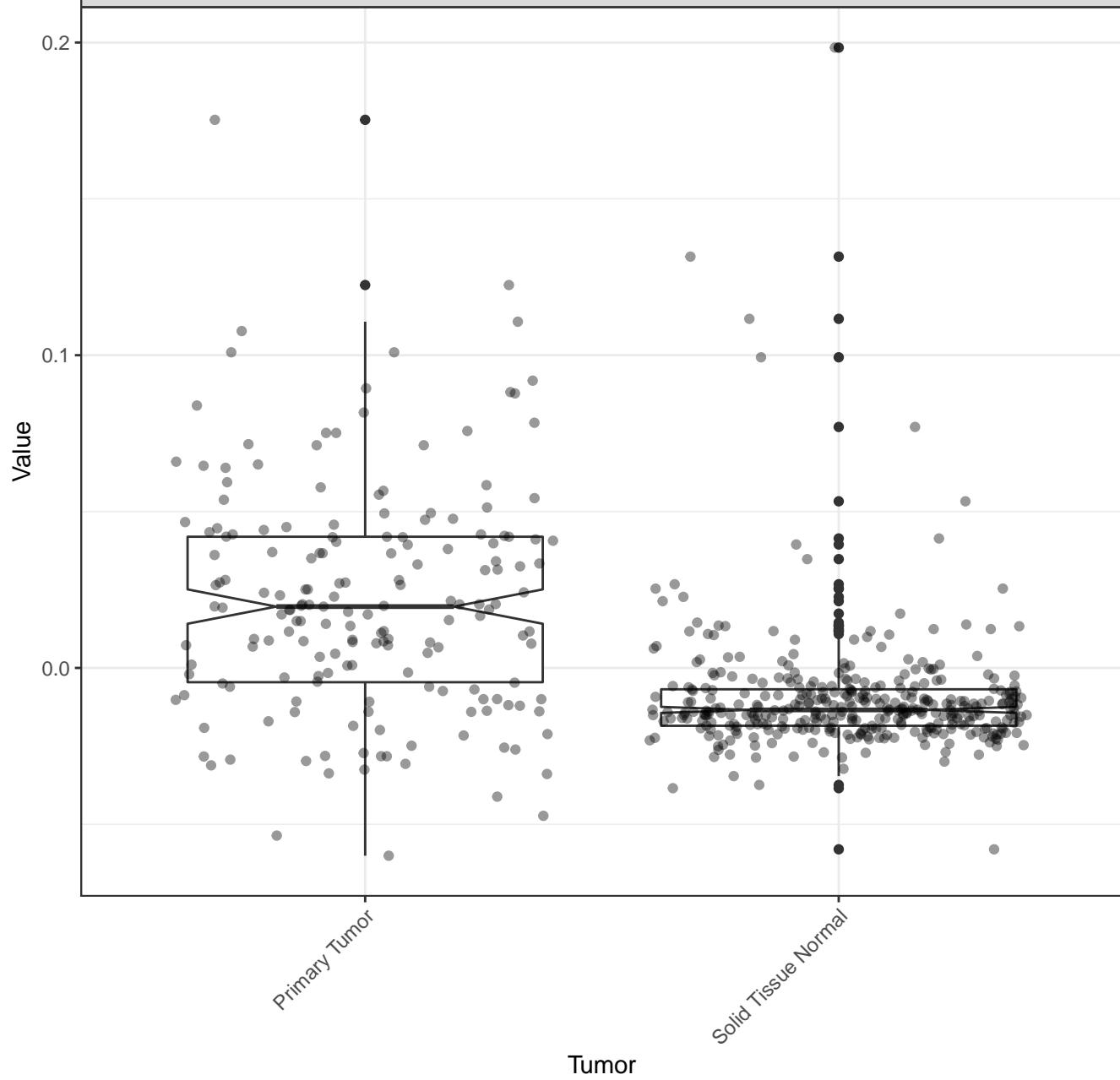
44,MIPS_55S_RIBOSOME MITOCHONDRIAL



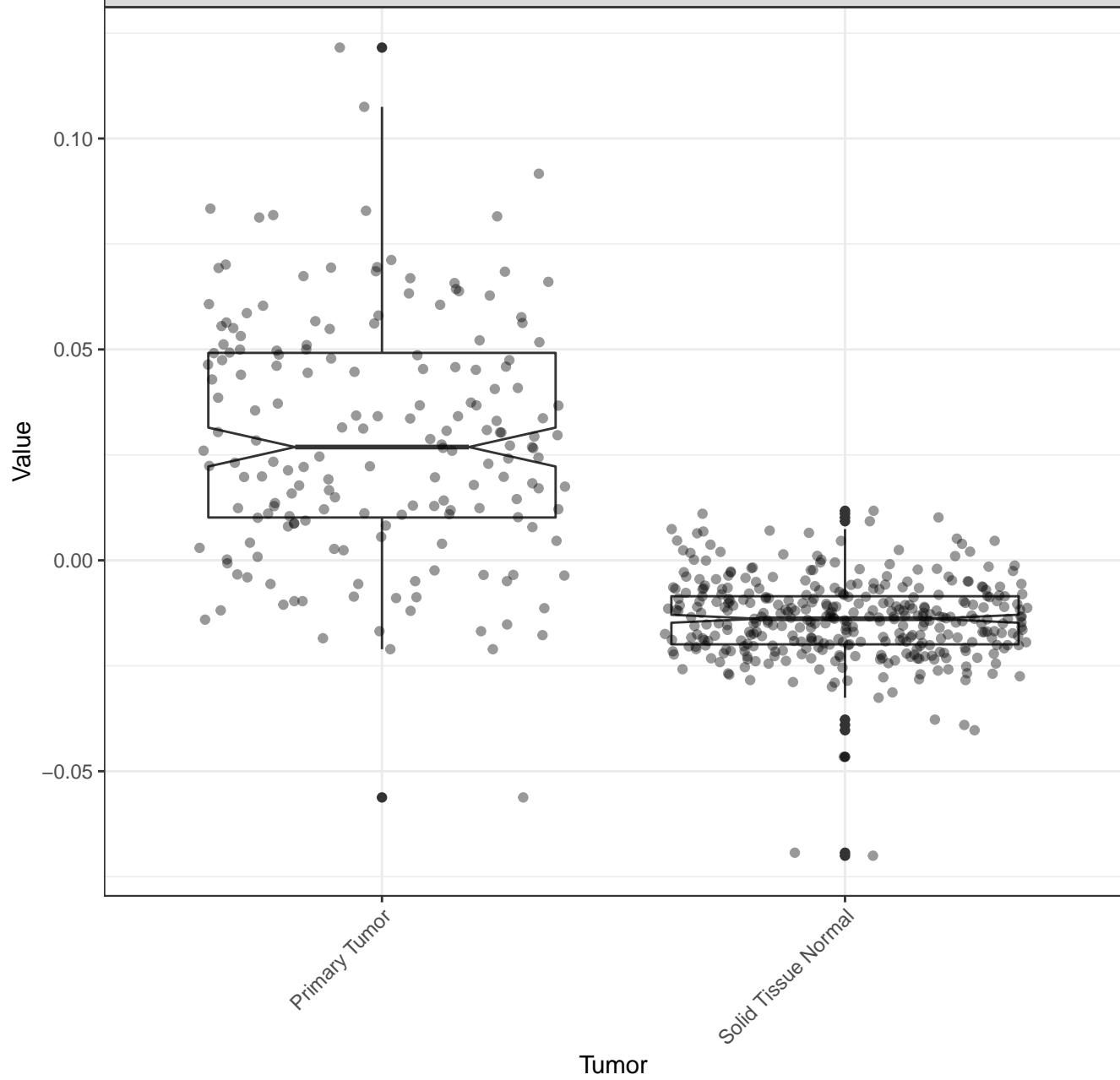
45,PID_MYC_REPRESSPATHWAY



46,REACTOME_AXON_GUIDANCE



47,REACTOME_METABOLISM_OF_MRNA



48,IRIS_Neutrophil–Resting

Value

0.10

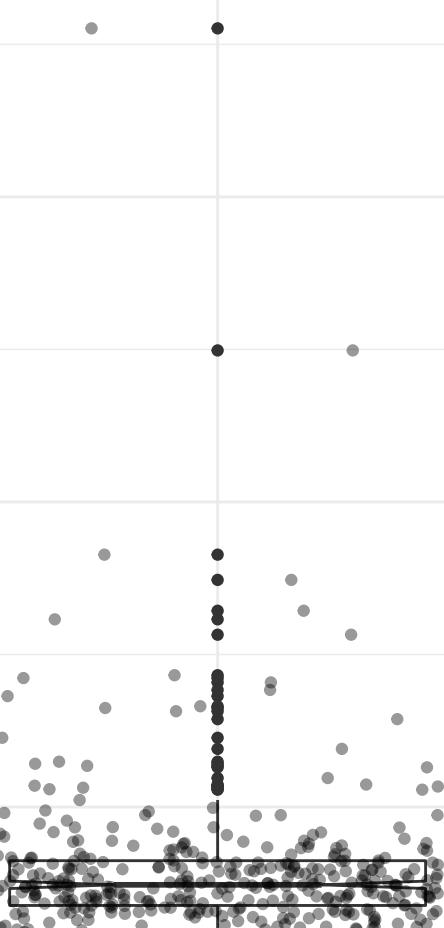
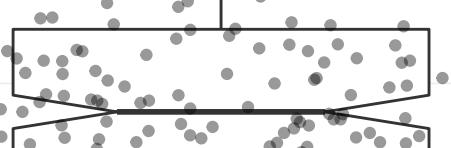
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 49

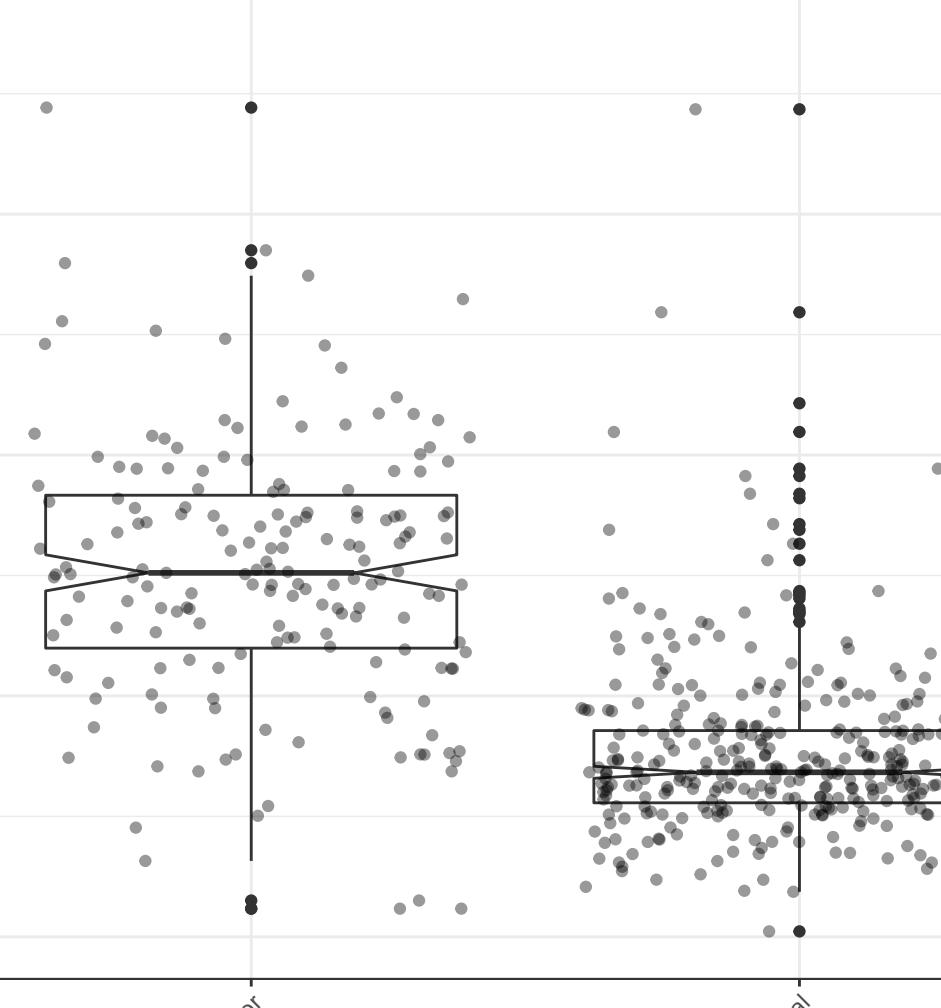
Value

0.09
0.06
0.03
0.00
-0.03

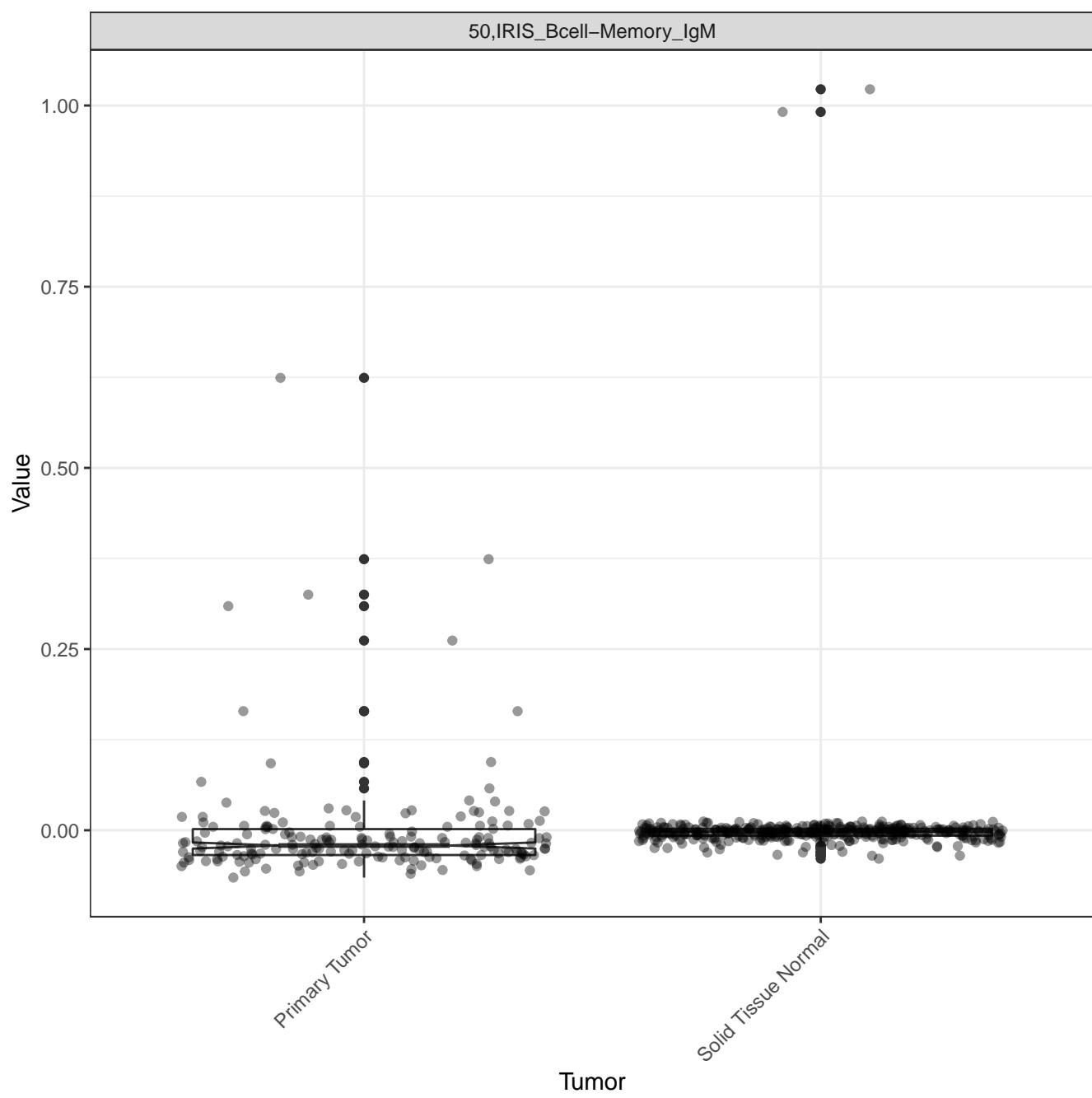
Primary Tumor

Solid Tissue Normal

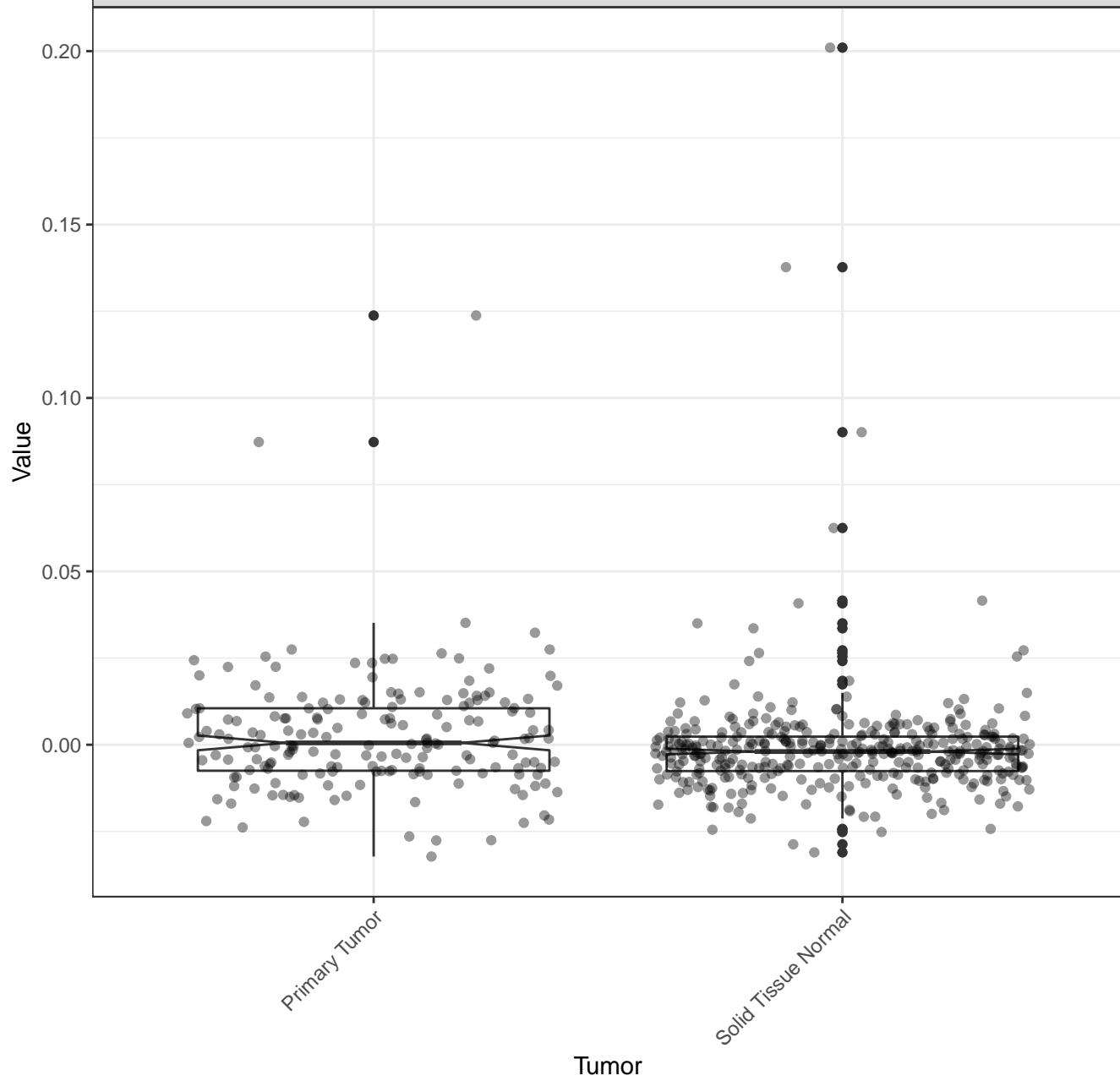
Tumor



50,IRIS_Bcell-Memory_IgM



51,REACTOME_NUCLEAR_RECEPтор_TRANSCRIPTION_PATHWAY



52,REACTOME_RIG_I_MDA5_MEDIATED_INDUCTION_OF_IFN_ALPHA_BETA_PATHWAYS

Value

0.12

0.08

0.04

0.00

-0.04

Primary Tumor

Solid Tissue Normal

Tumor



53,SVM T cells CD4 memory activated

Value

0.10

0.05

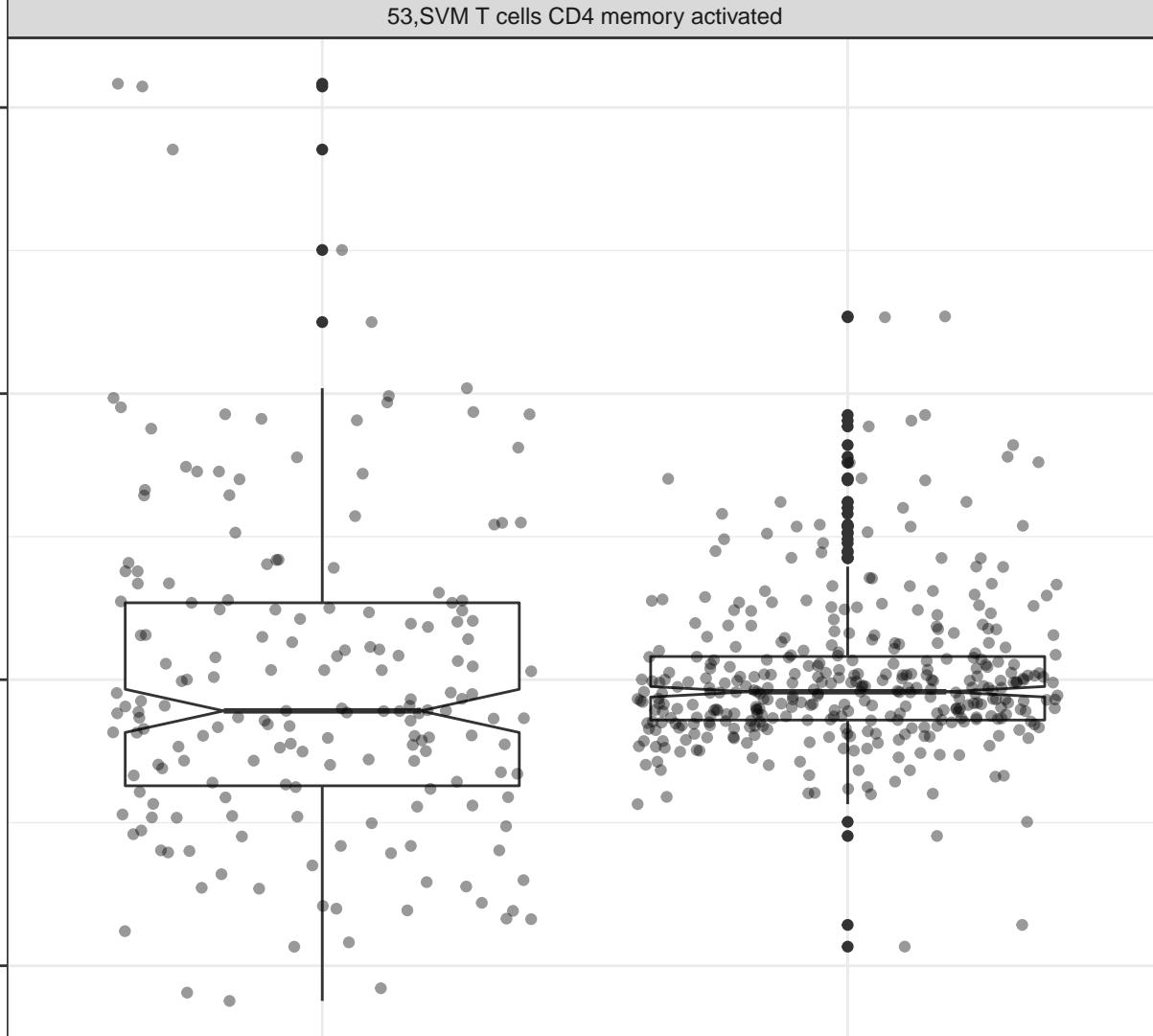
0.00

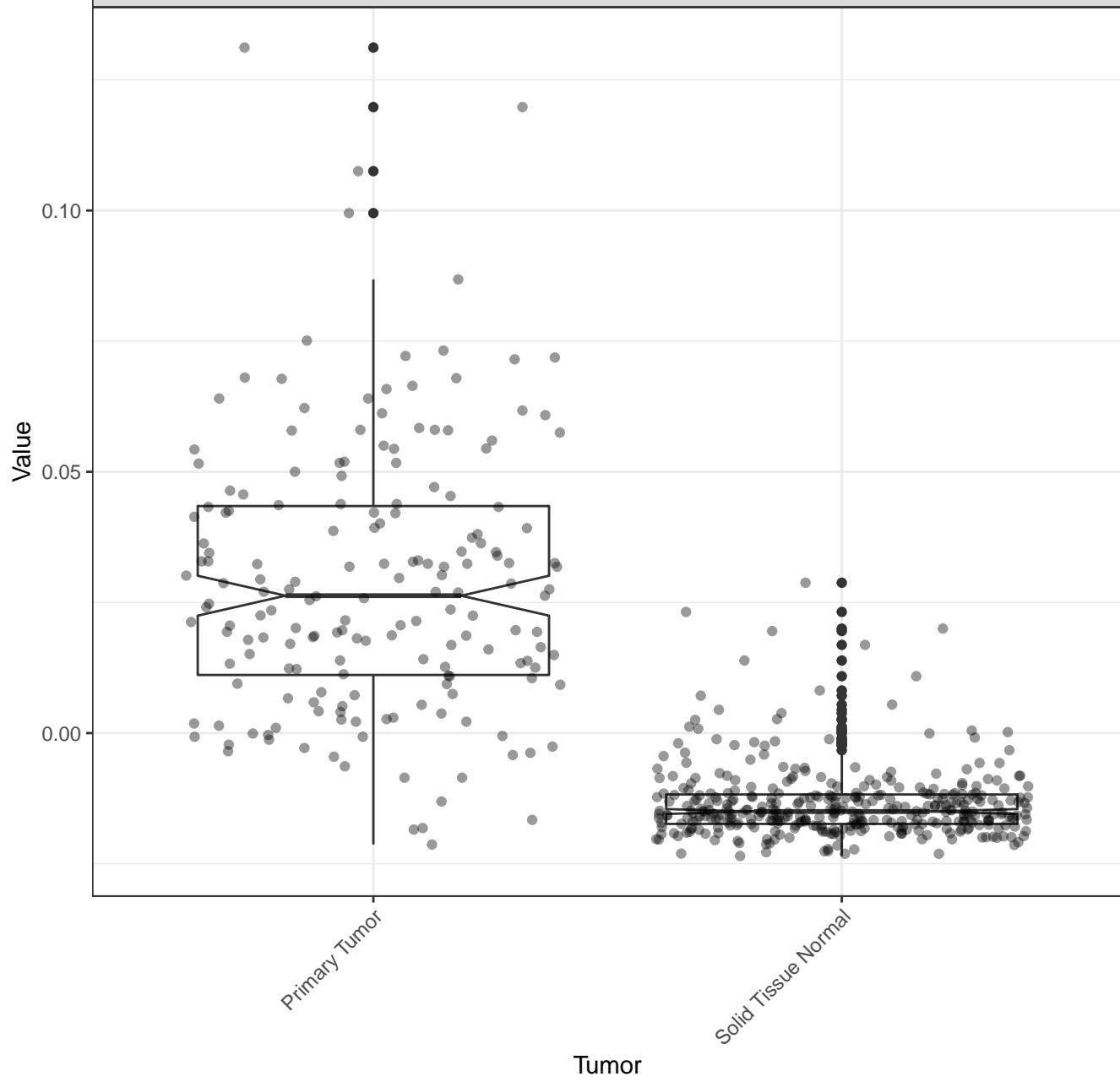
-0.05

Primary Tumor

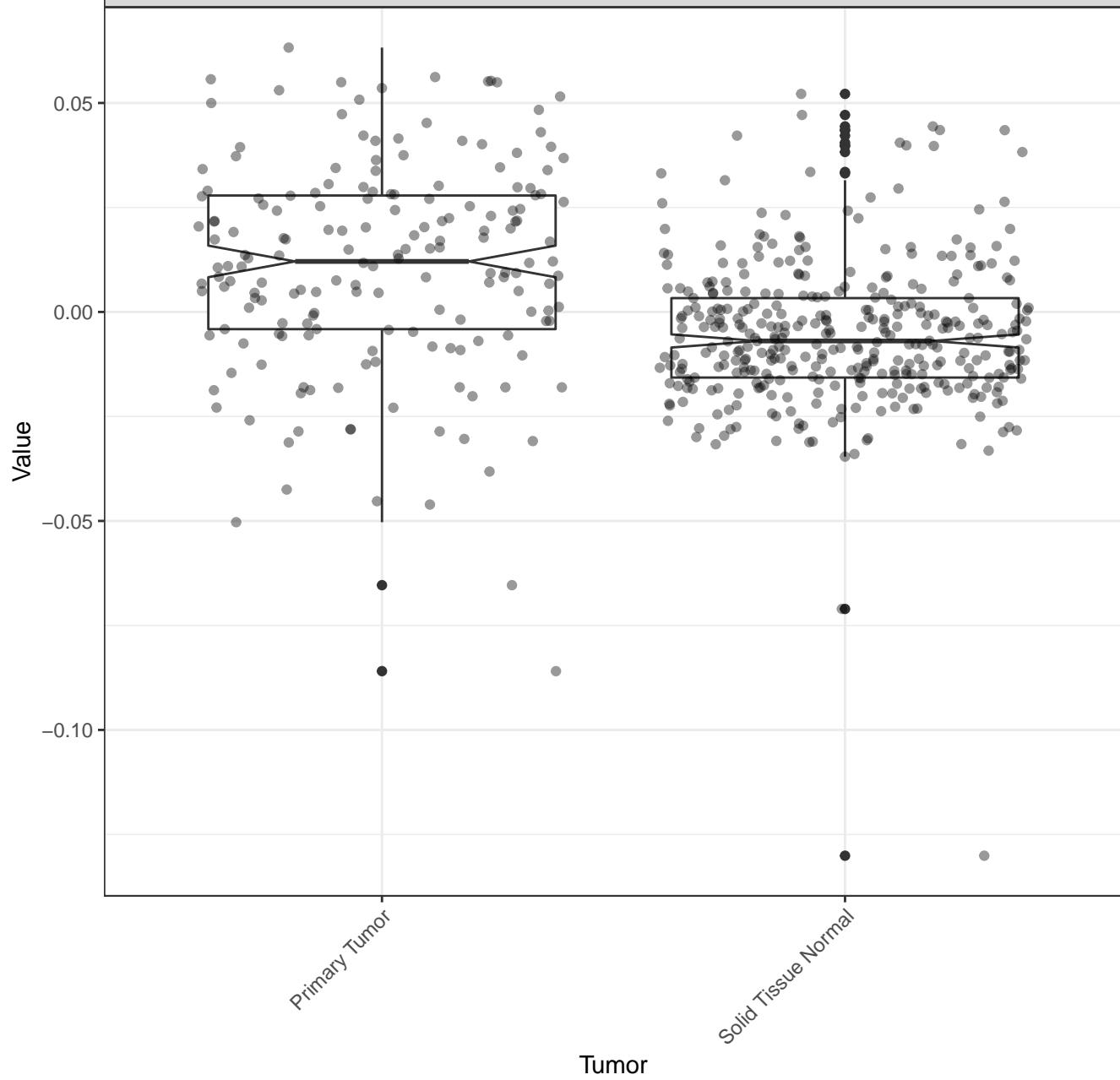
Solid Tissue Normal

Tumor





55,KEGG_INSULIN_SIGNALING_PATHWAY



56,KEGG_CYTOKINE_CYTOKINE_RECECTOR_INTERACTION

Value

0.08

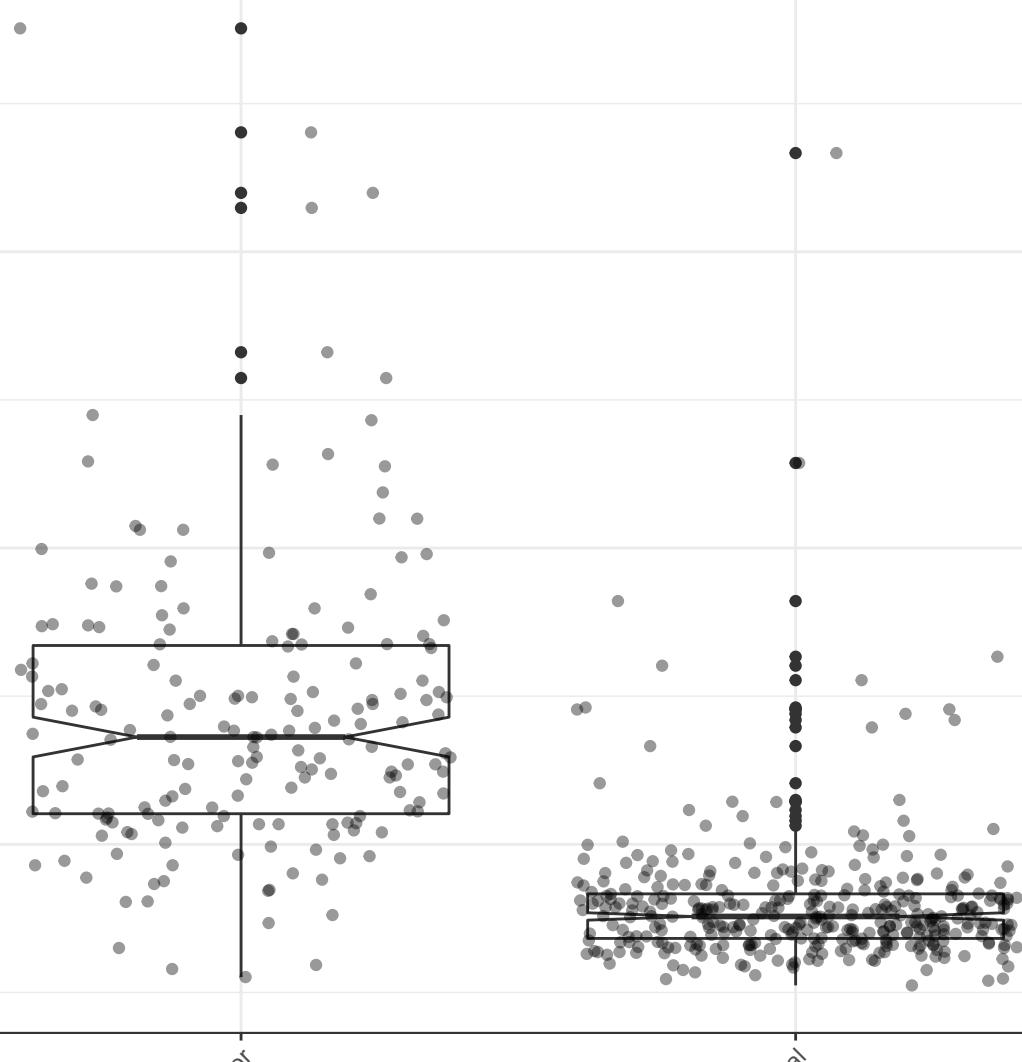
0.04

0.00

Primary Tumor

Solid Tissue Normal

Tumor



57,KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS

Value

0.3

0.2

0.1

0.0

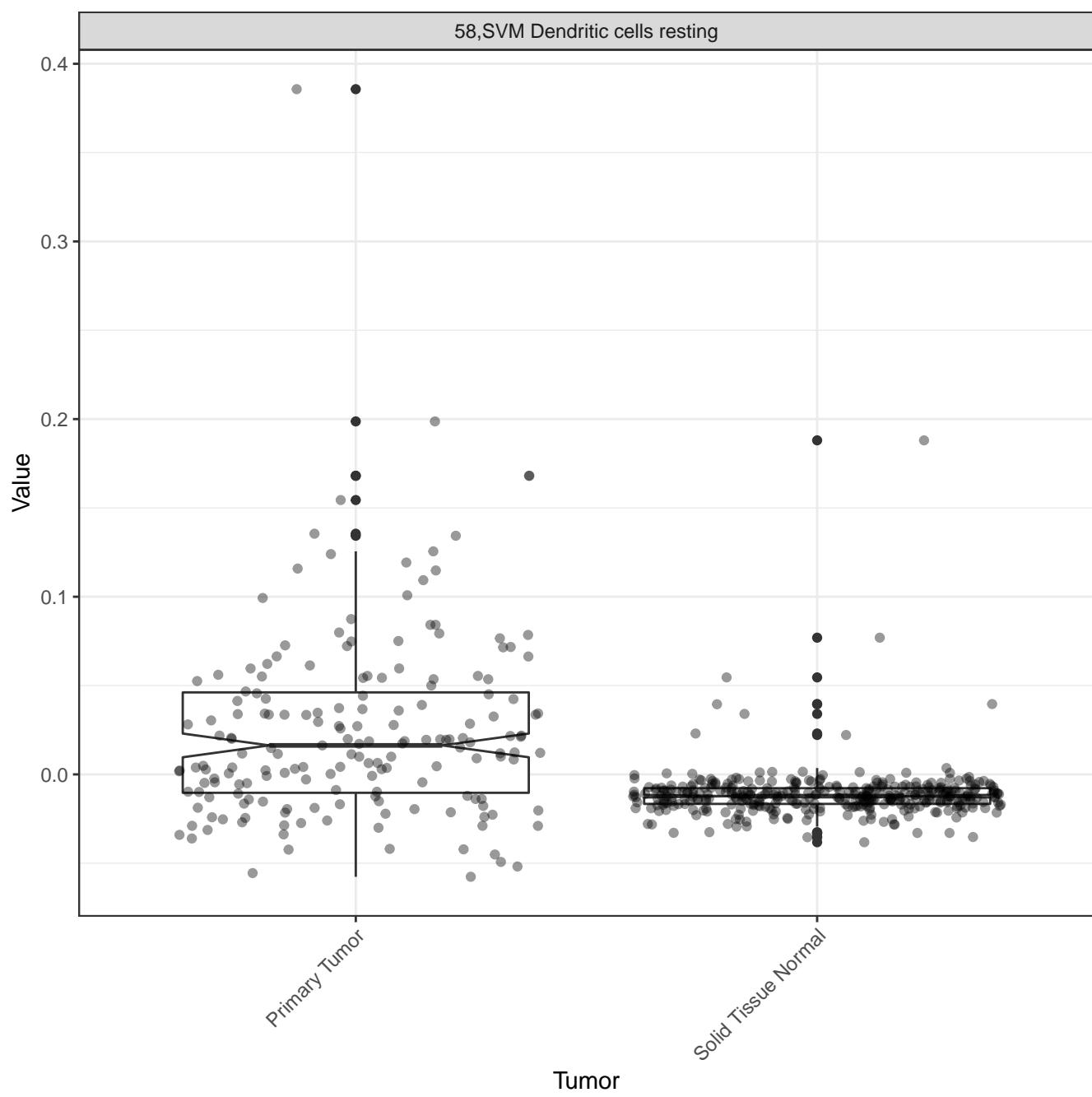
Primary Tumor

Solid Tissue Normal

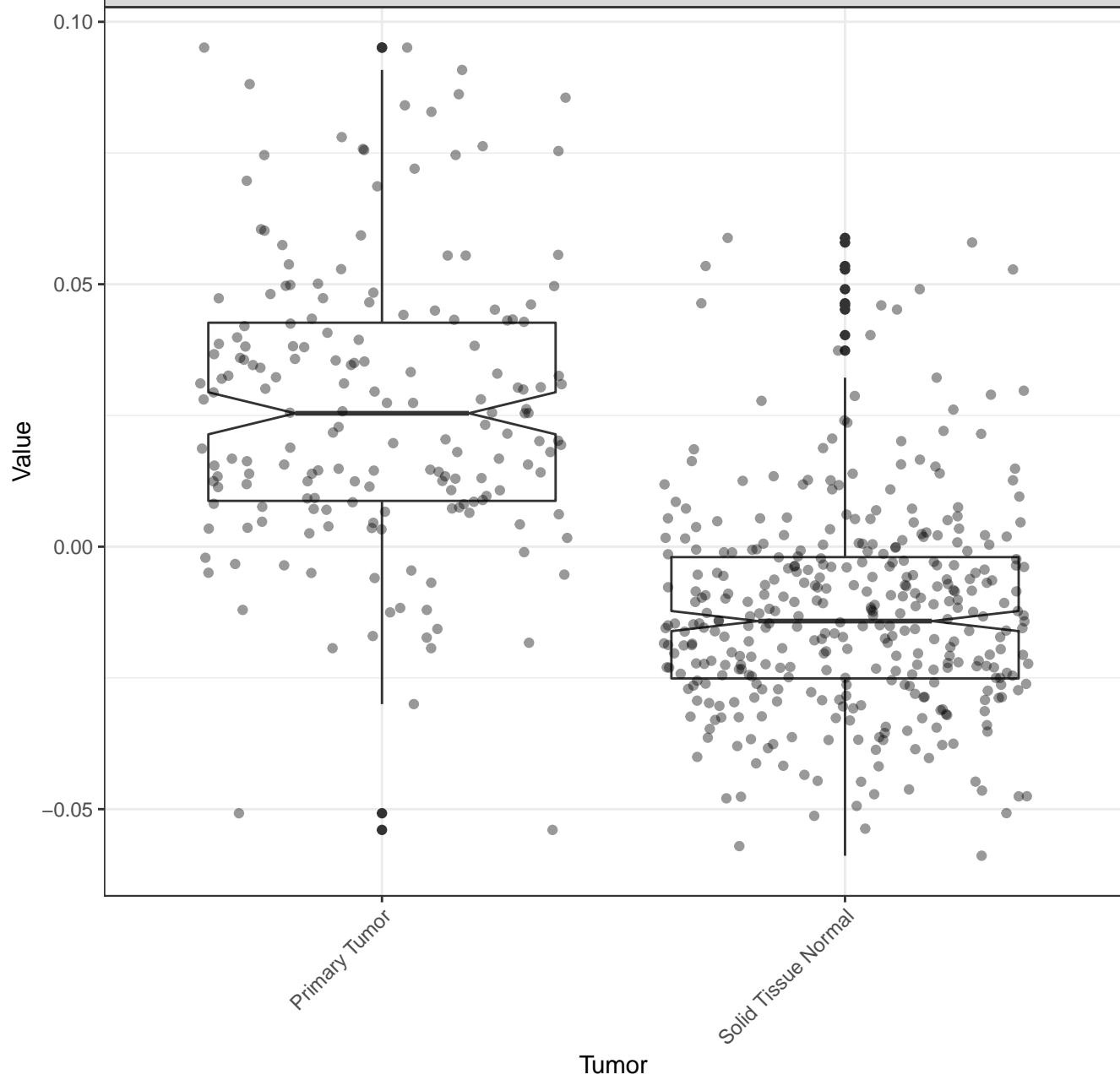
Tumor



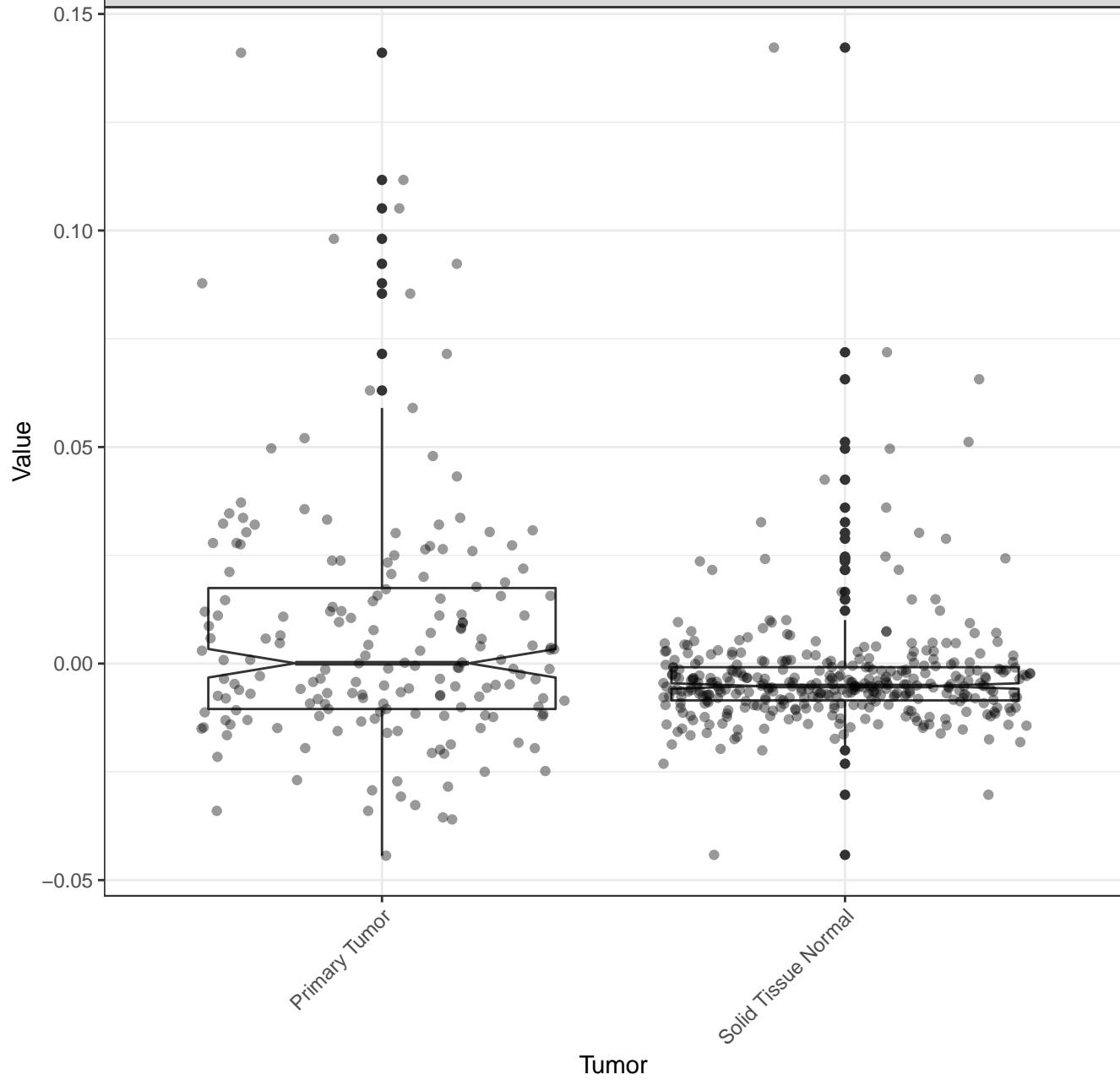
58,SVM Dendritic cells resting



59,REACTOME_HIV_INFECTION



60,IRIS_NKcell-control



61,REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS

Value

0.10

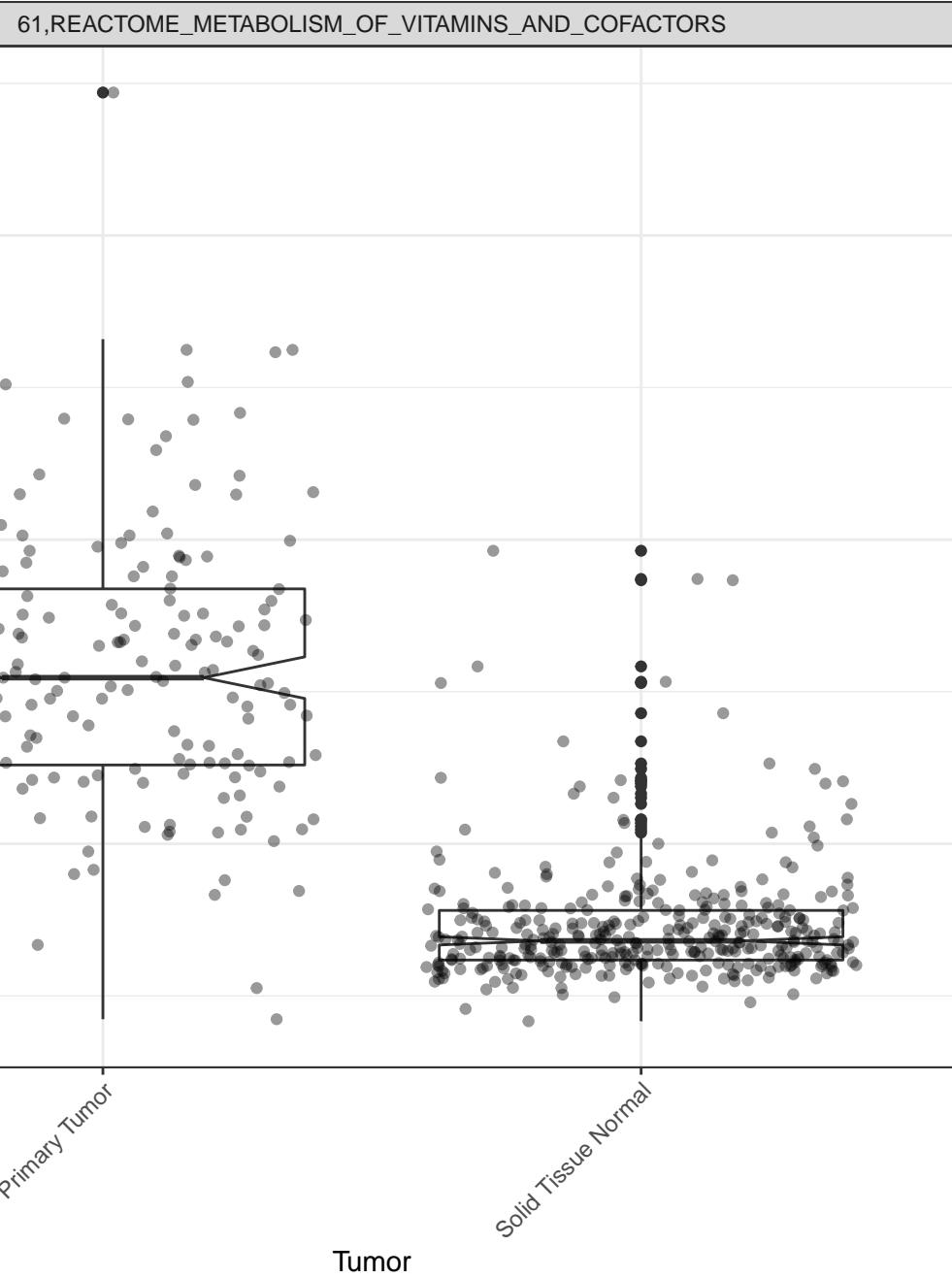
0.05

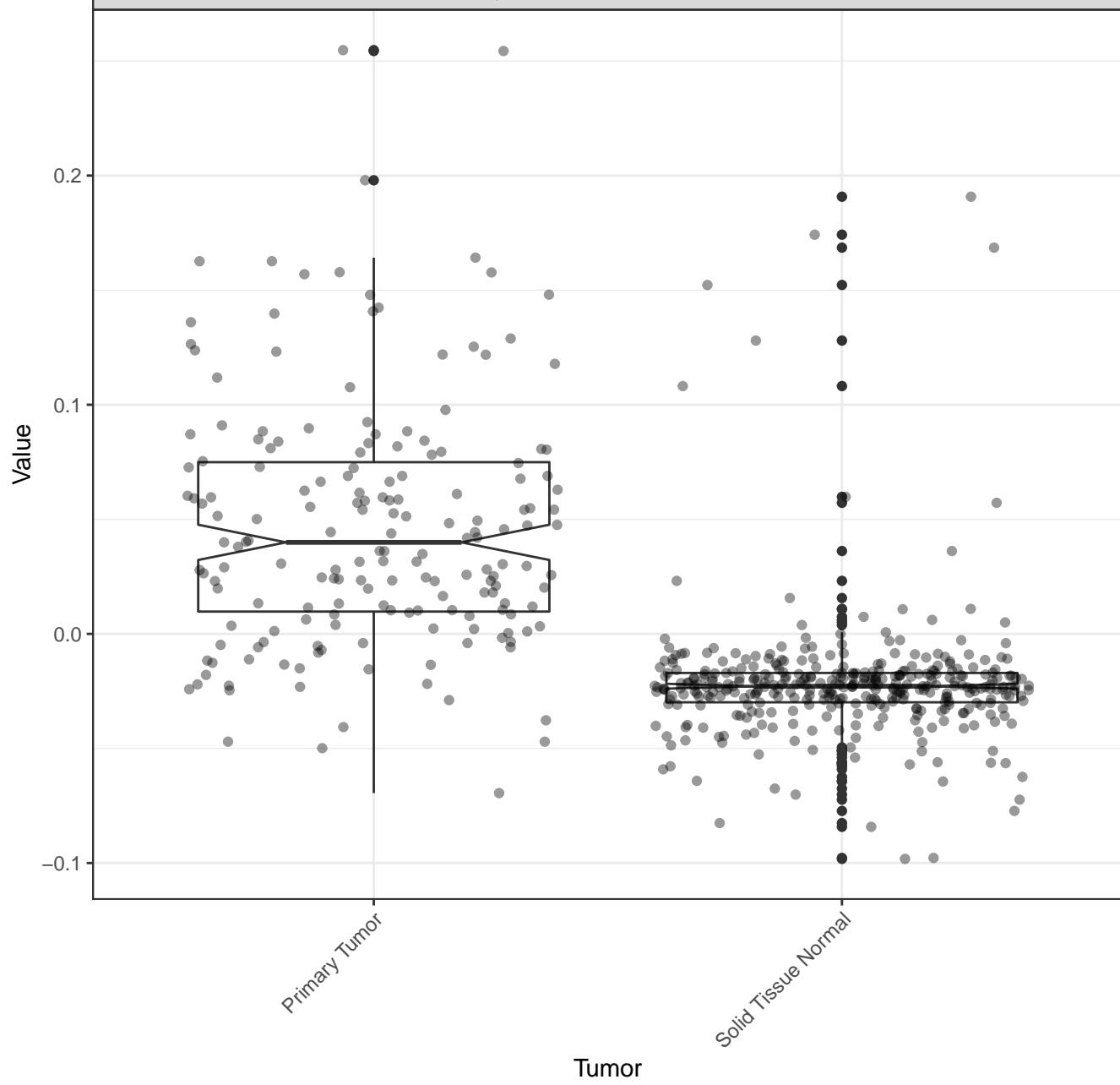
0.00

Primary Tumor

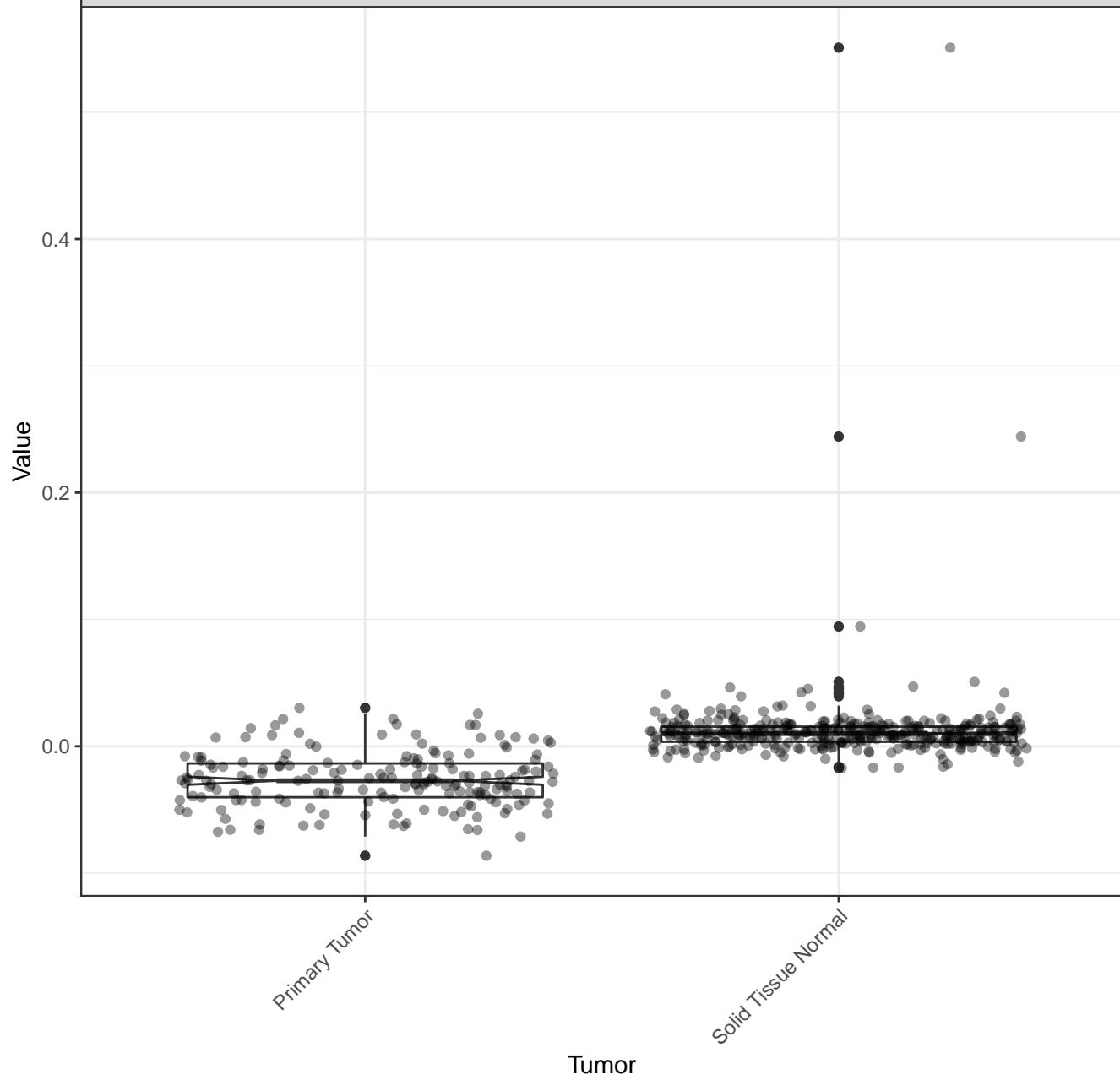
Solid Tissue Normal

Tumor

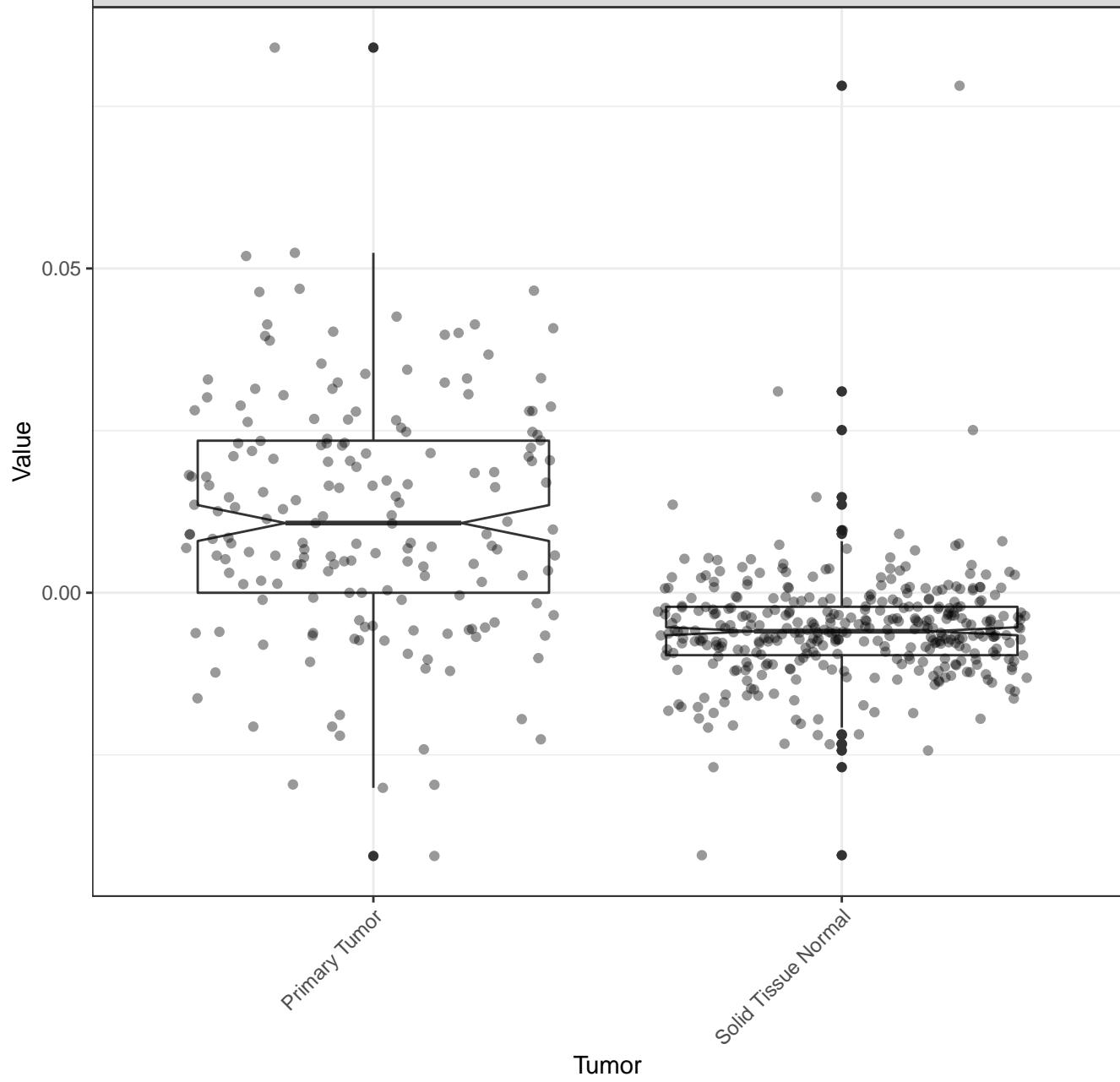




63,DMAP_ERY4



64,DMAP_DENDA2



65,SVM NK cells resting

Value

0.8

0.6

0.4

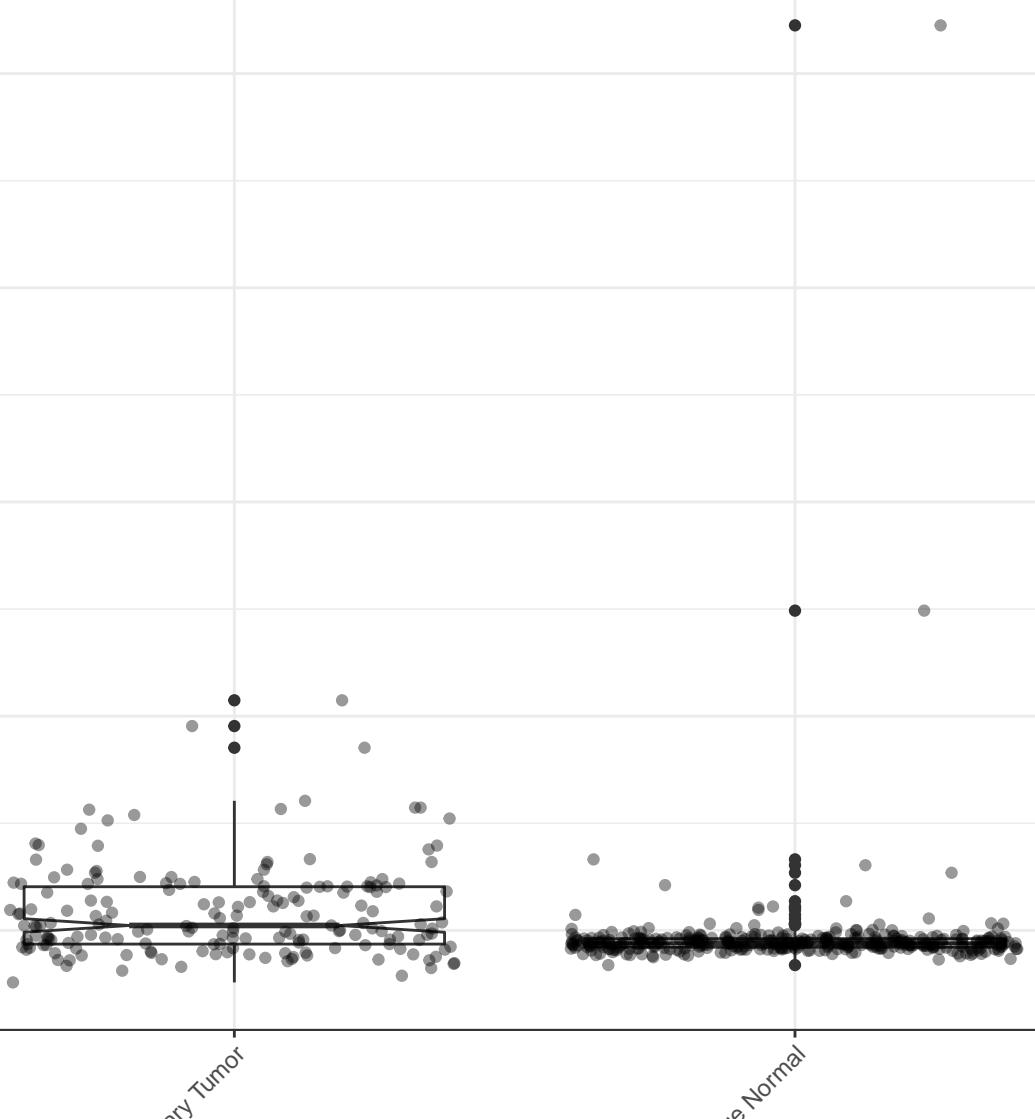
0.2

0.0

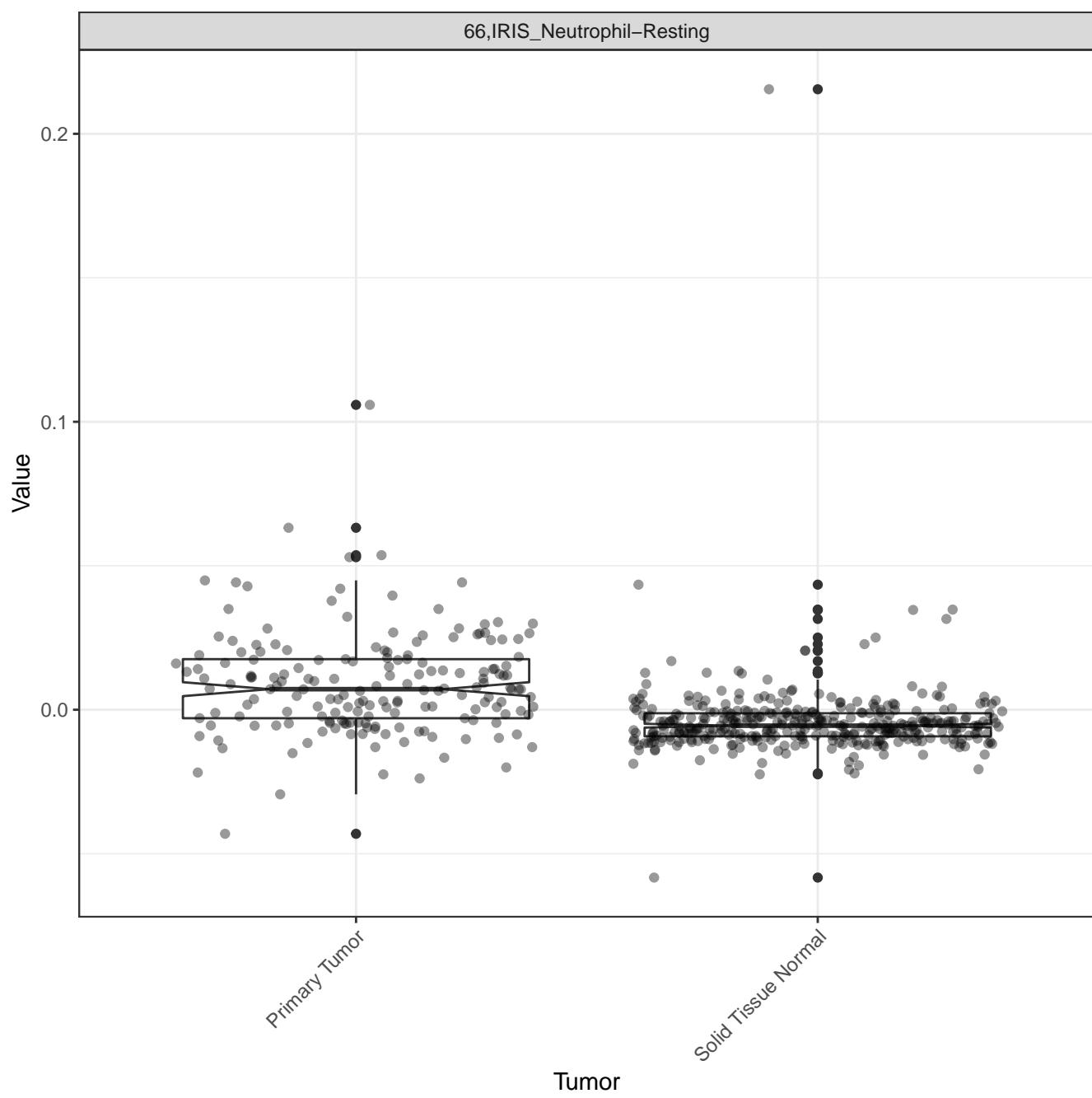
Primary Tumor

Solid Tissue Normal

Tumor



66,IRIS_Neutrophil–Resting



67,REACTOME_COLLAGEN_FORMATION

Value

0.1

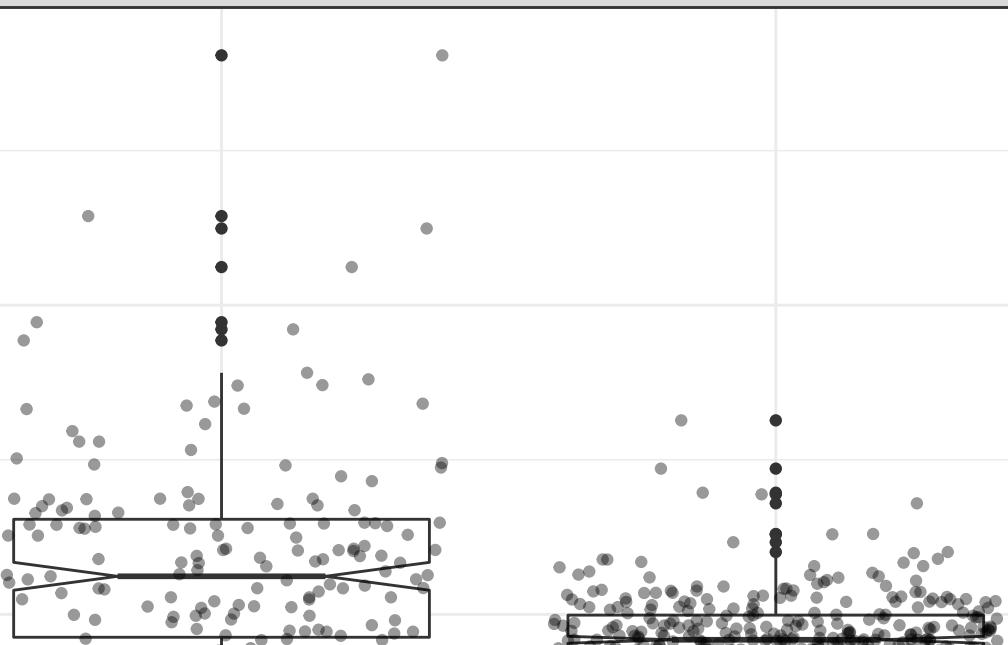
0.0

-0.1

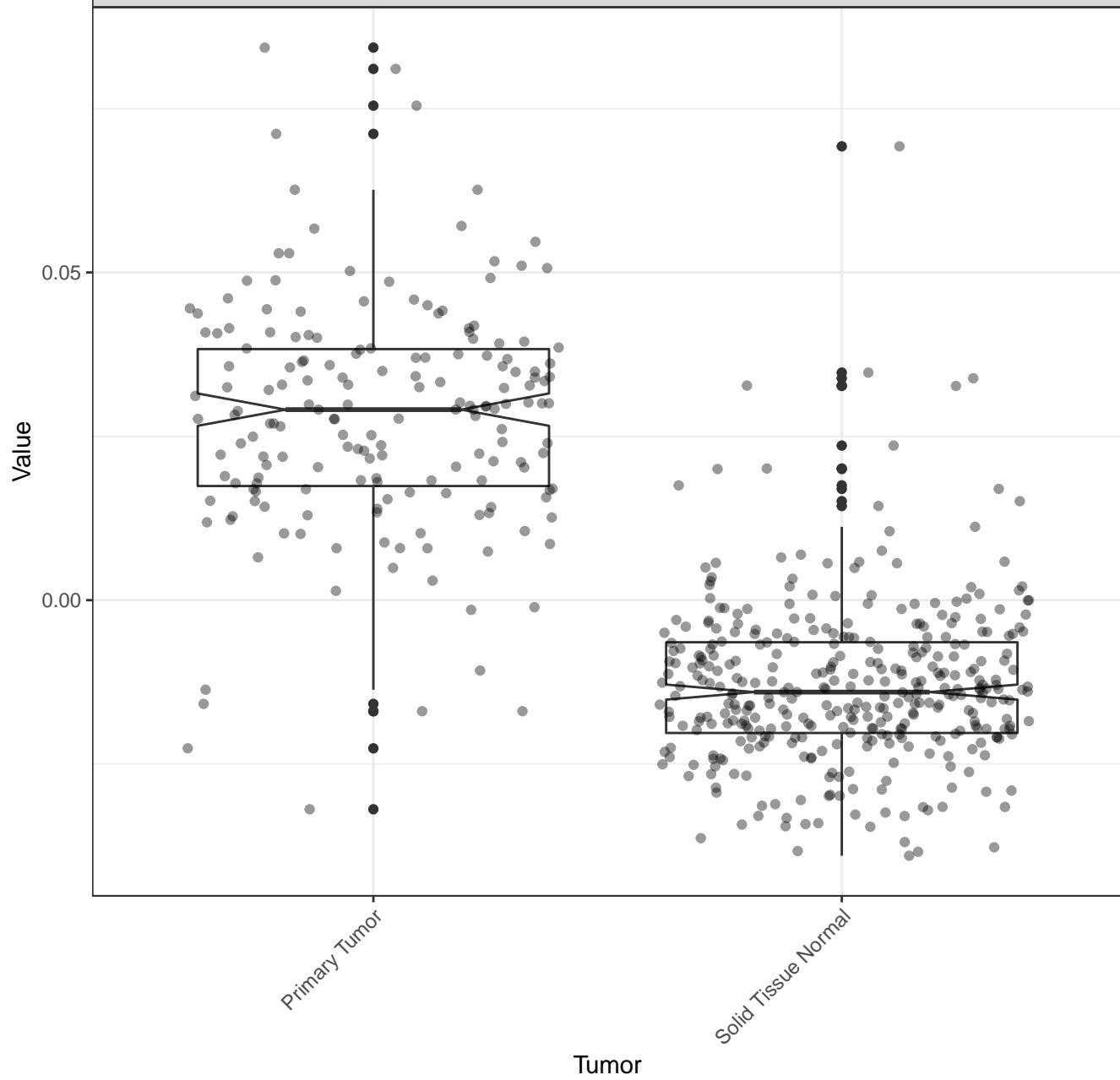
Primary Tumor

Solid Tissue Normal

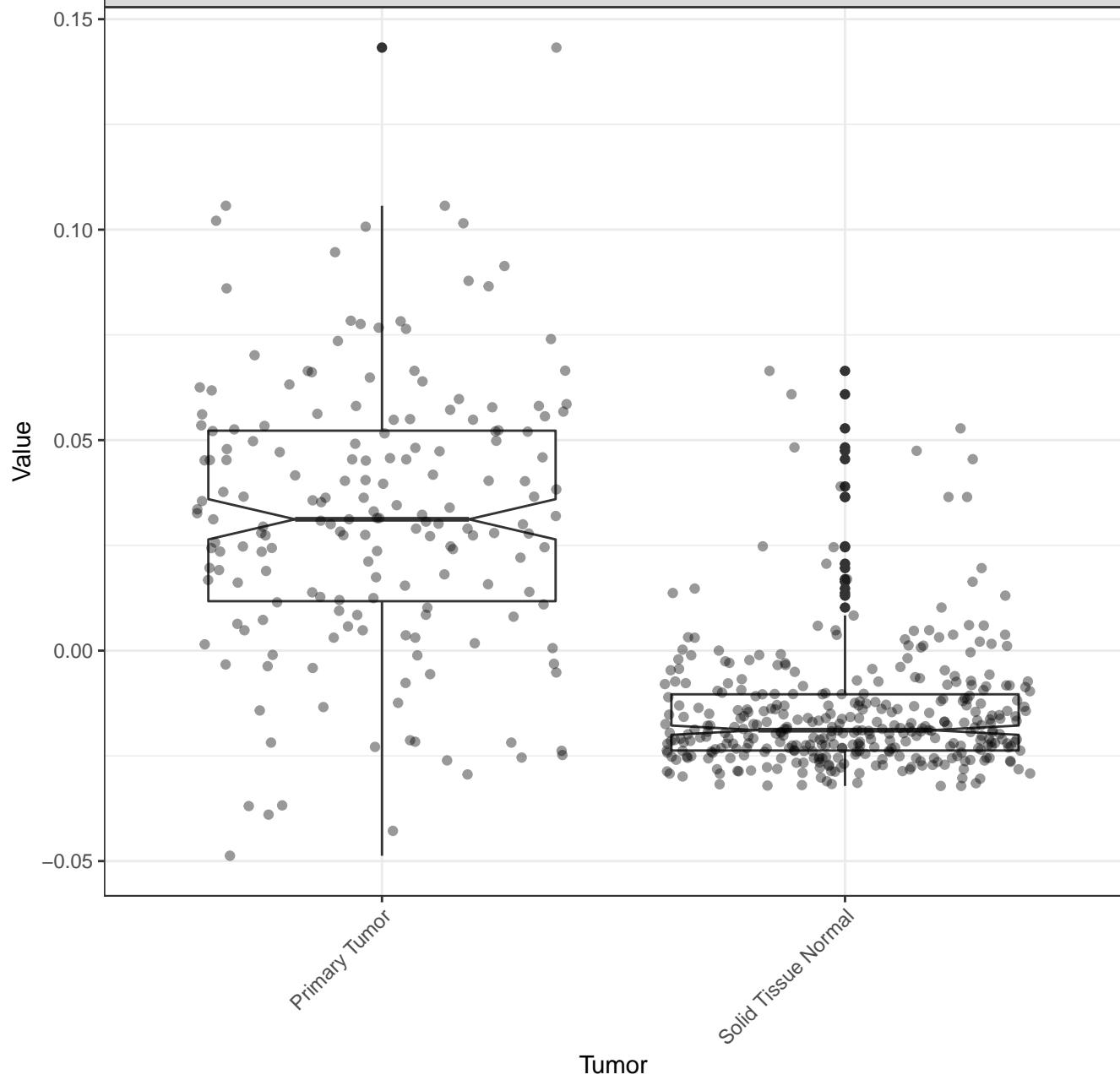
Tumor



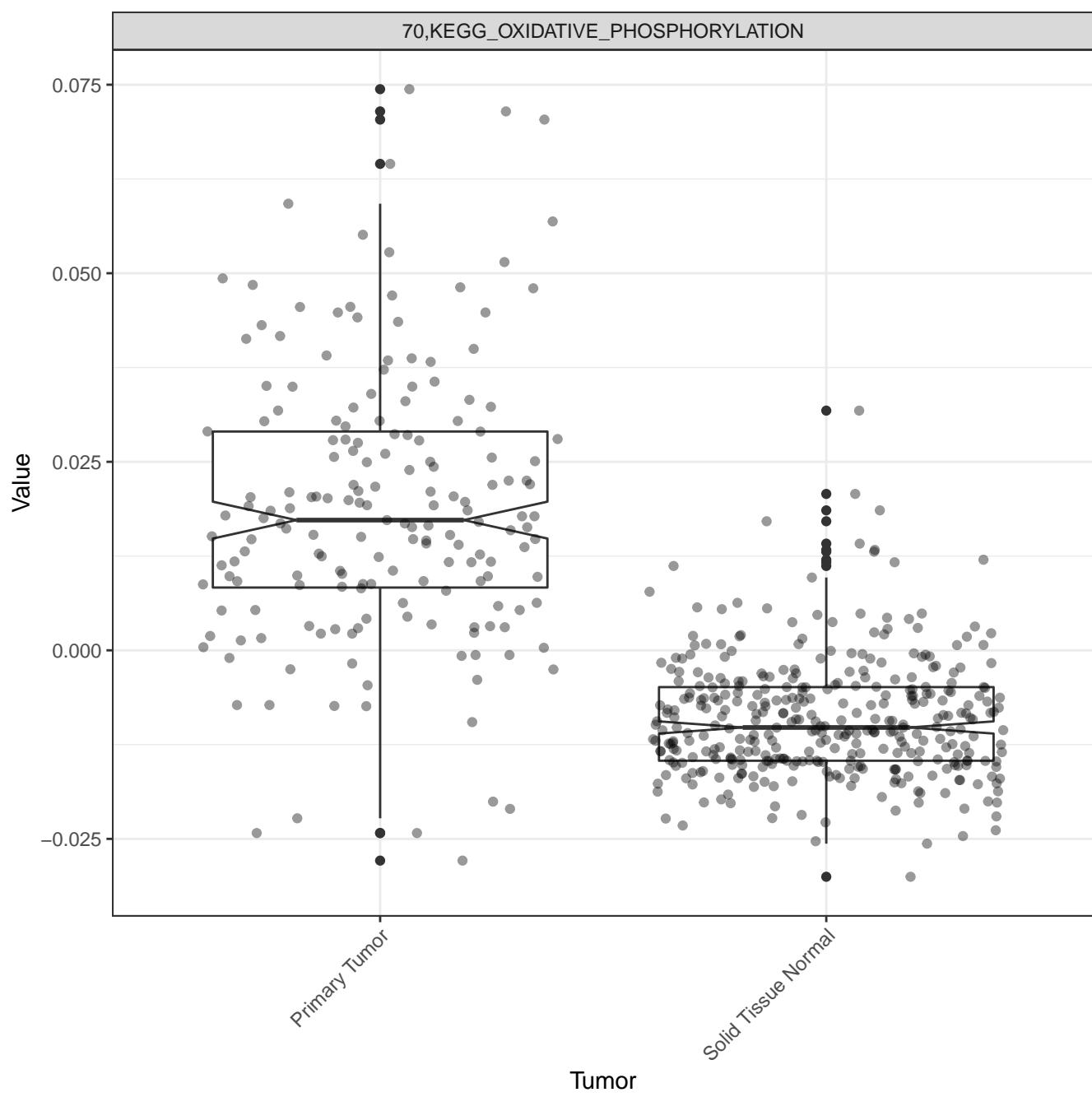
68,REACTOME_RESPIRATORY_ELECTRON_TRANSPORT



69,PID_EPHBFWDPATHWAY



70,KEGG_OXIDATIVE_PHOSPHORYLATION



71,SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCTES

Value

0.08

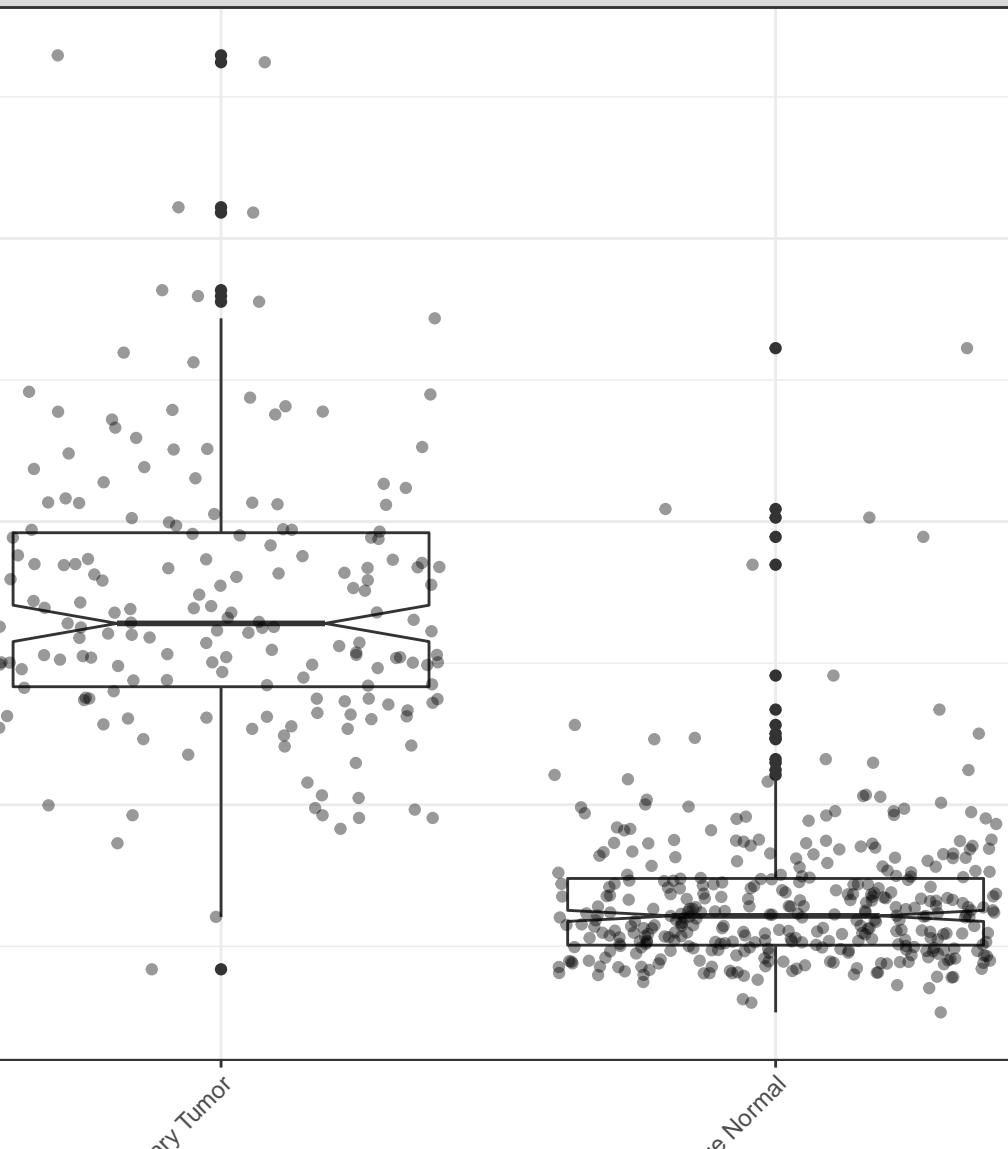
0.04

0.00

Primary Tumor

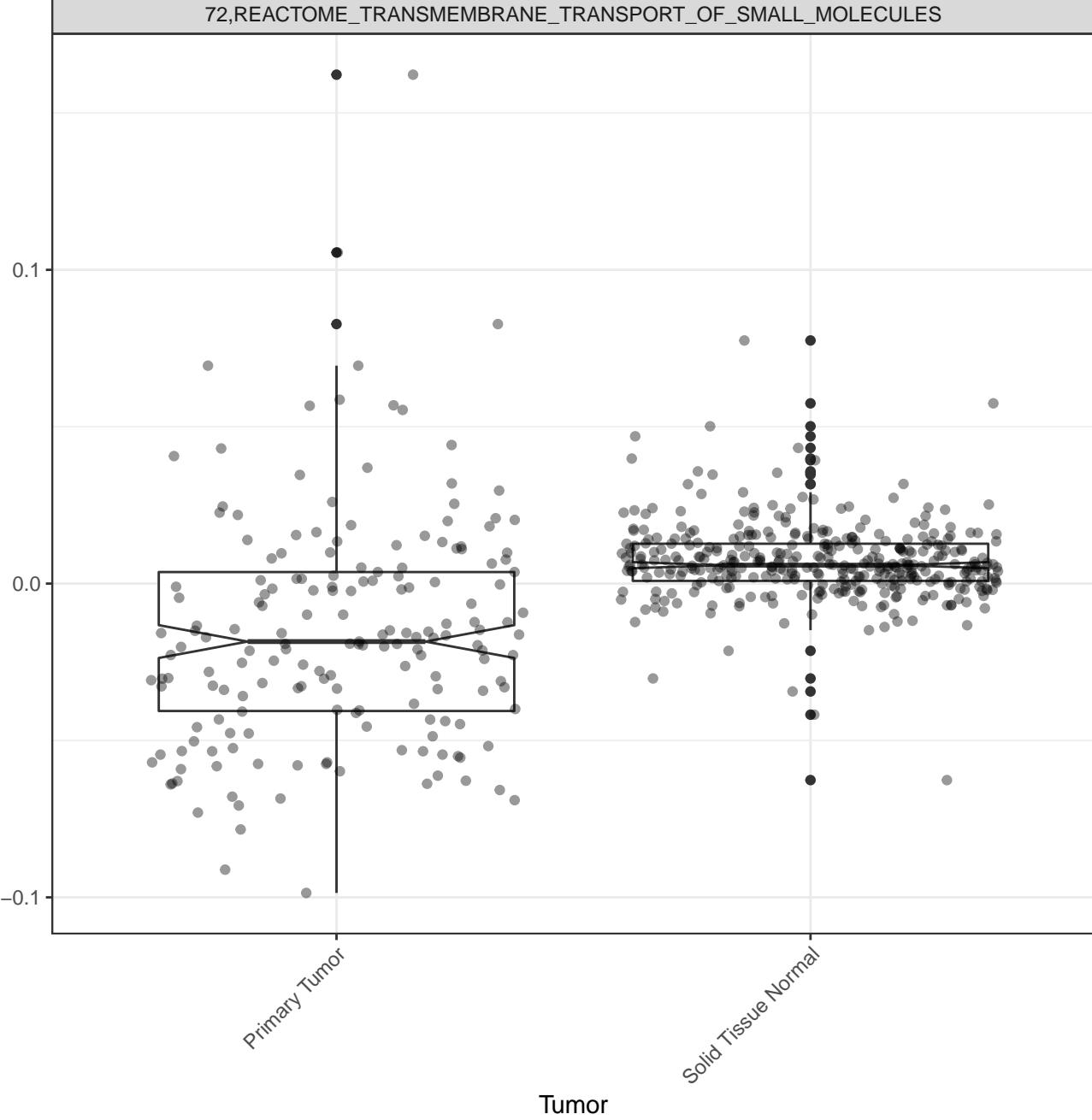
Solid Tissue Normal

Tumor

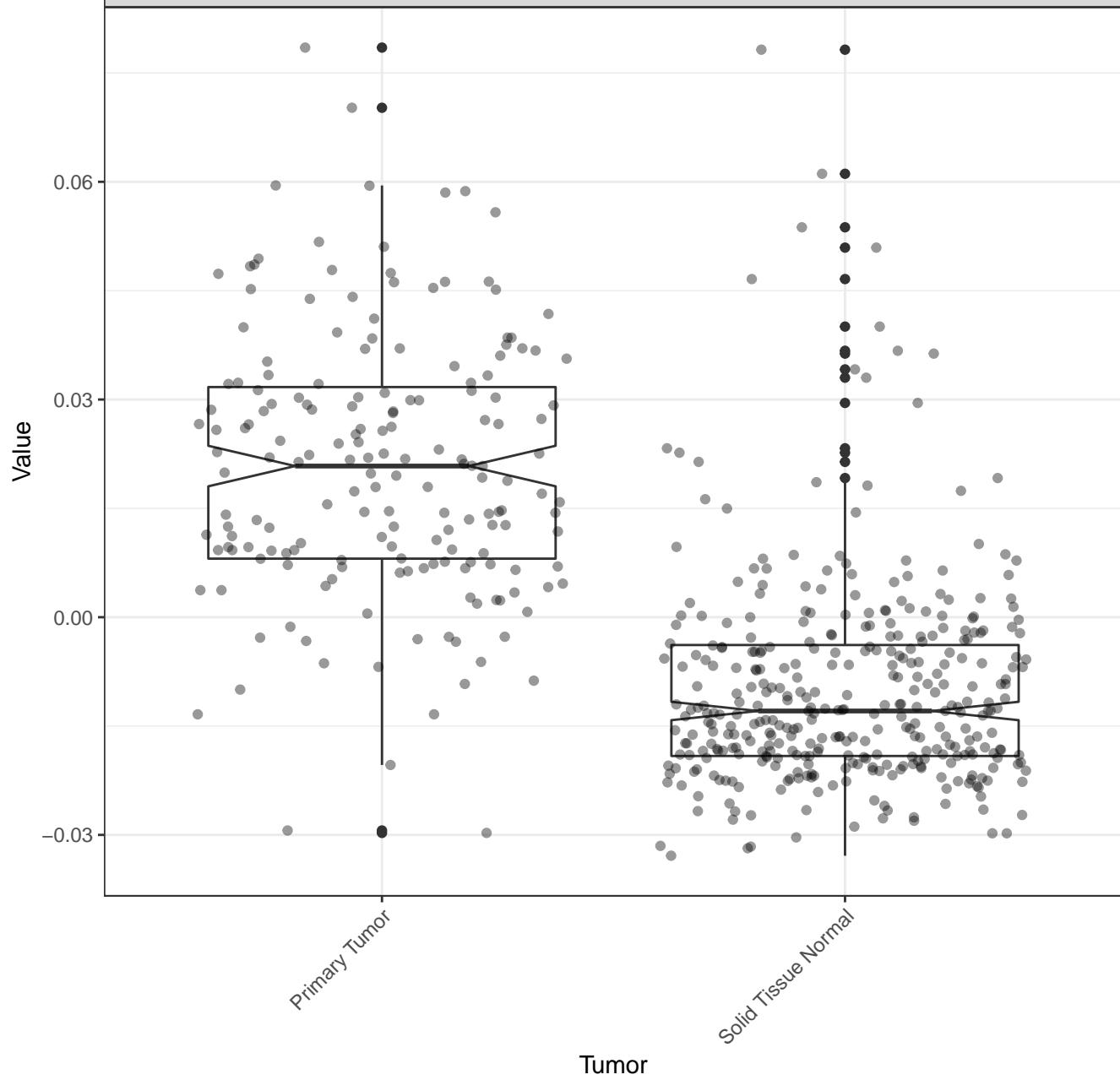


72,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES

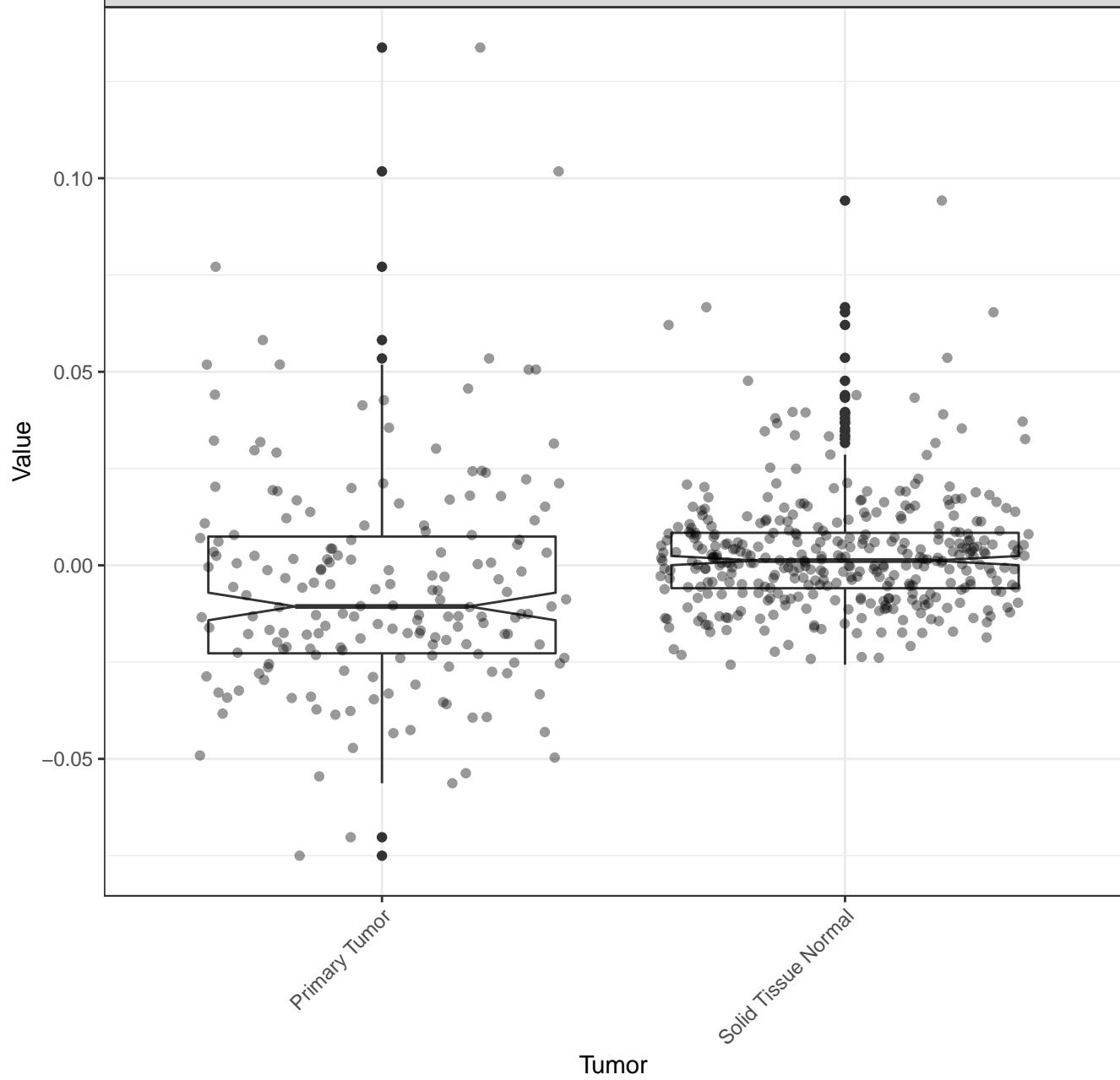
Value



73,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



74,KEGG_NOTCH_SIGNALING_PATHWAY



75,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES

Value

0.15

0.10

0.05

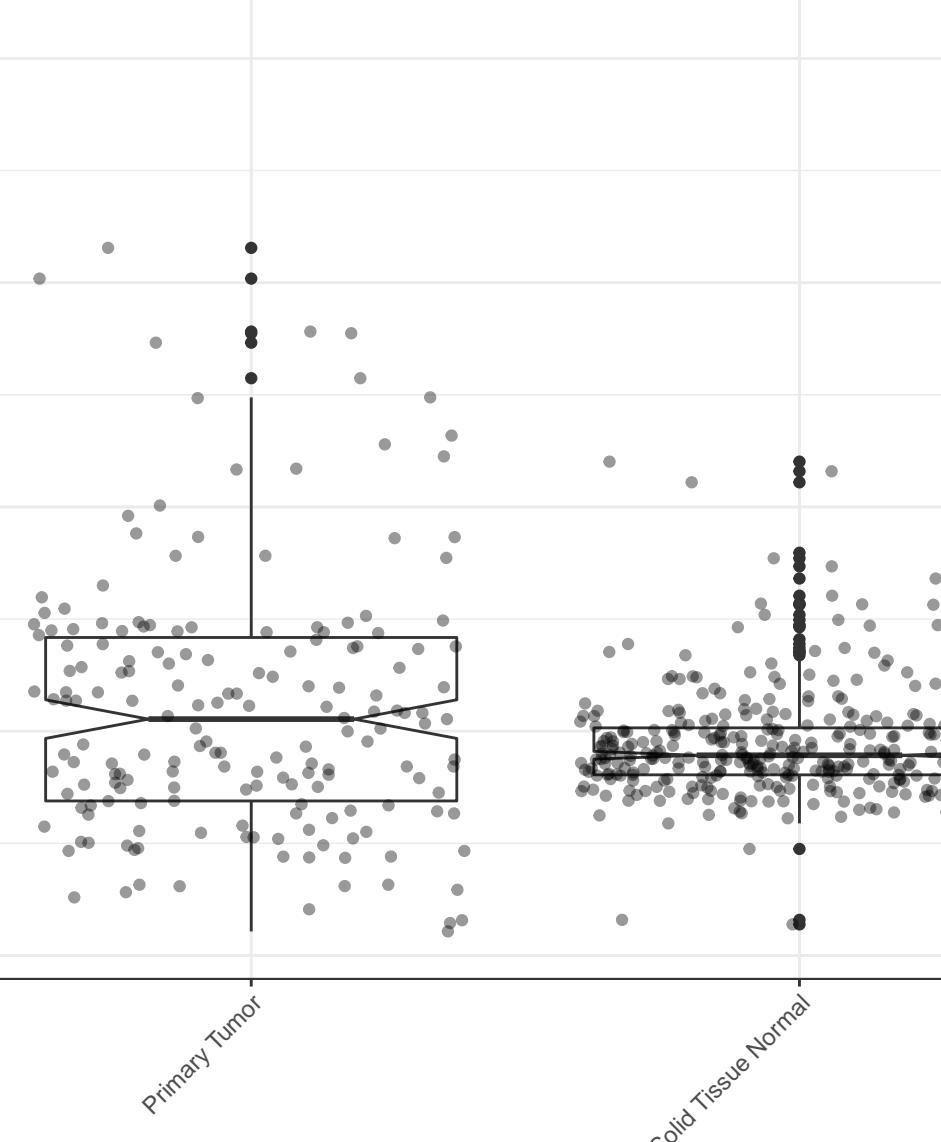
0.00

-0.05

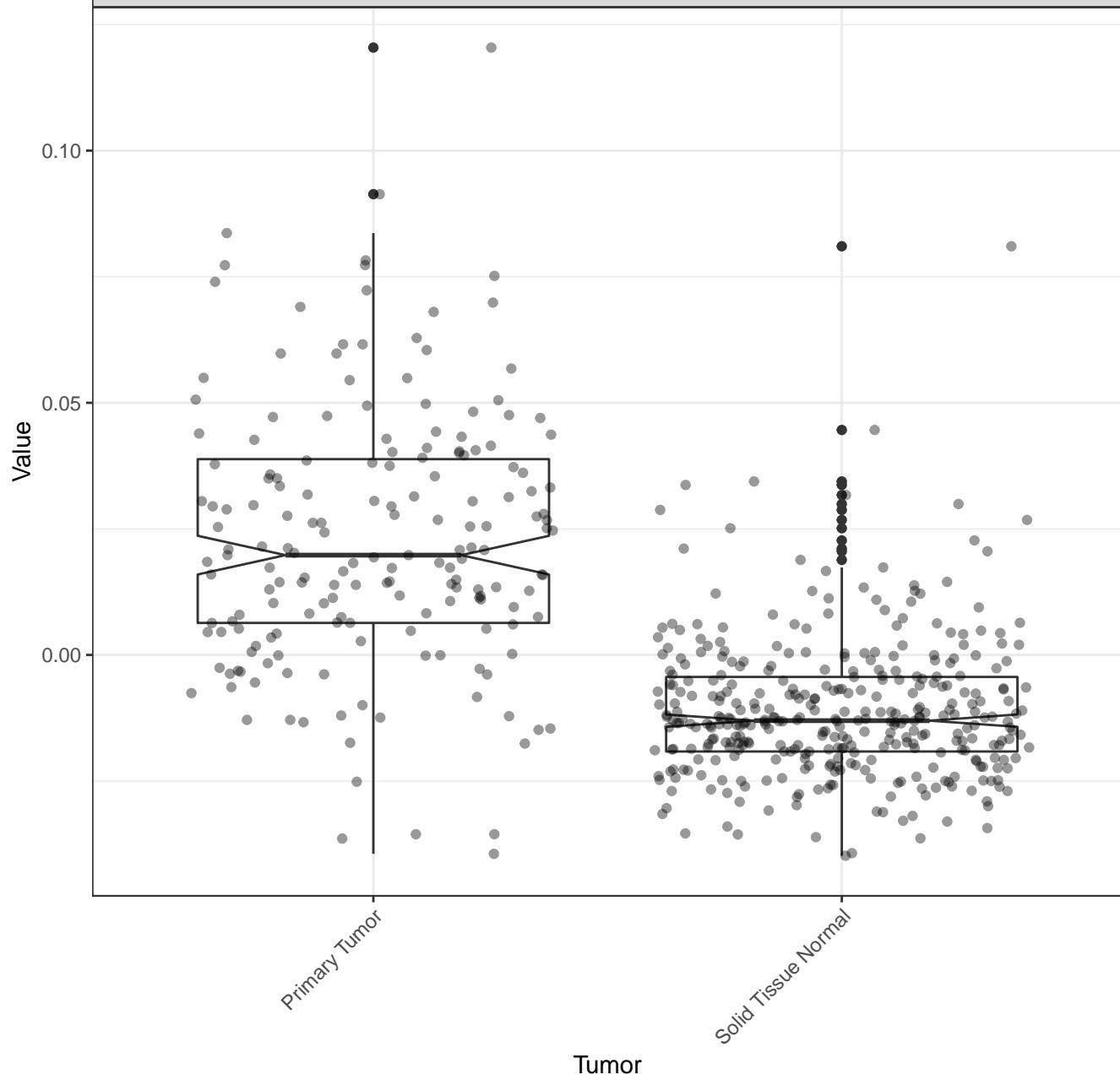
Primary Tumor

Solid Tissue Normal

Tumor



76,KEGG_CELL_CYCLE



77,KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P450

Value

0.2

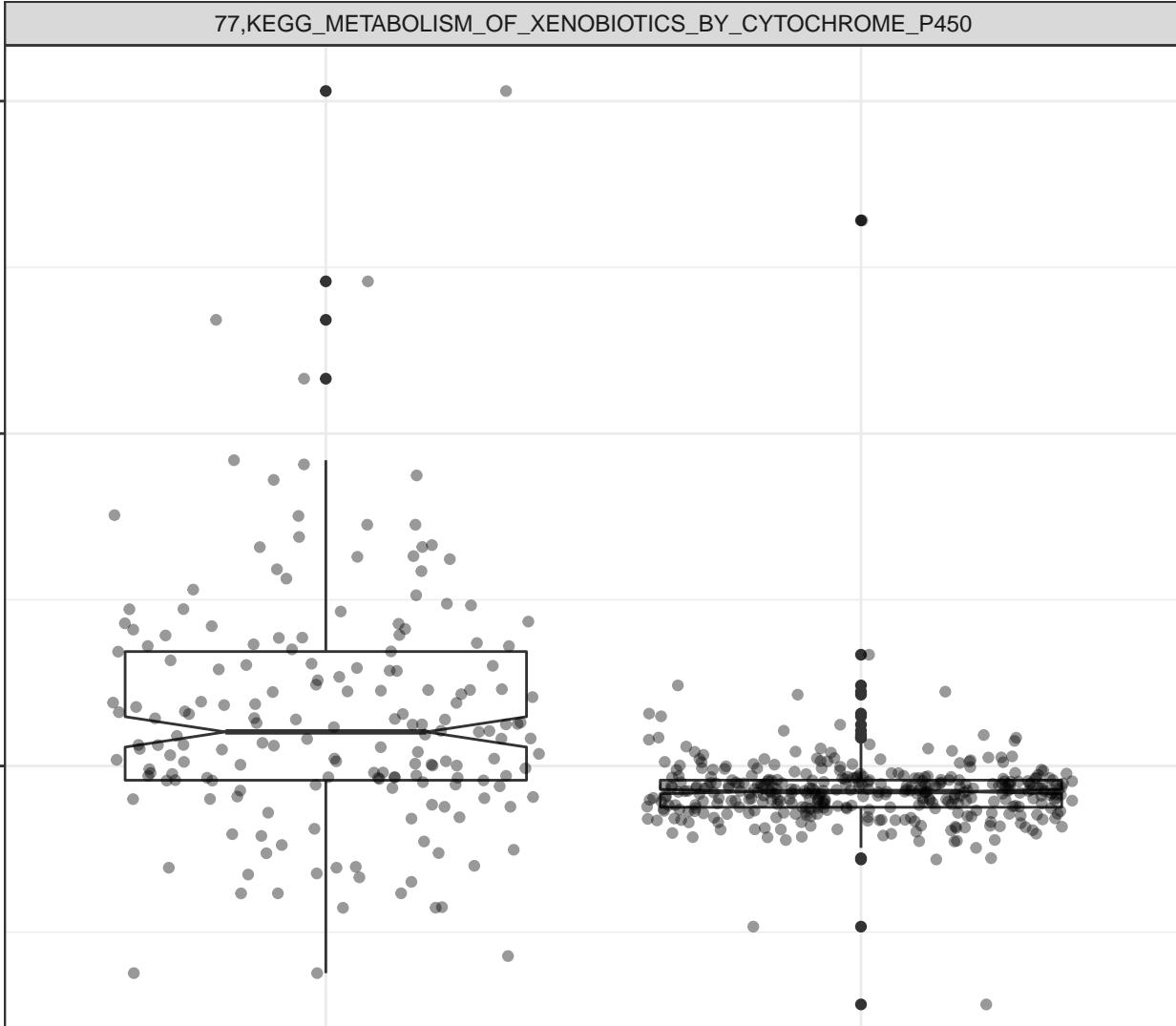
0.1

0.0

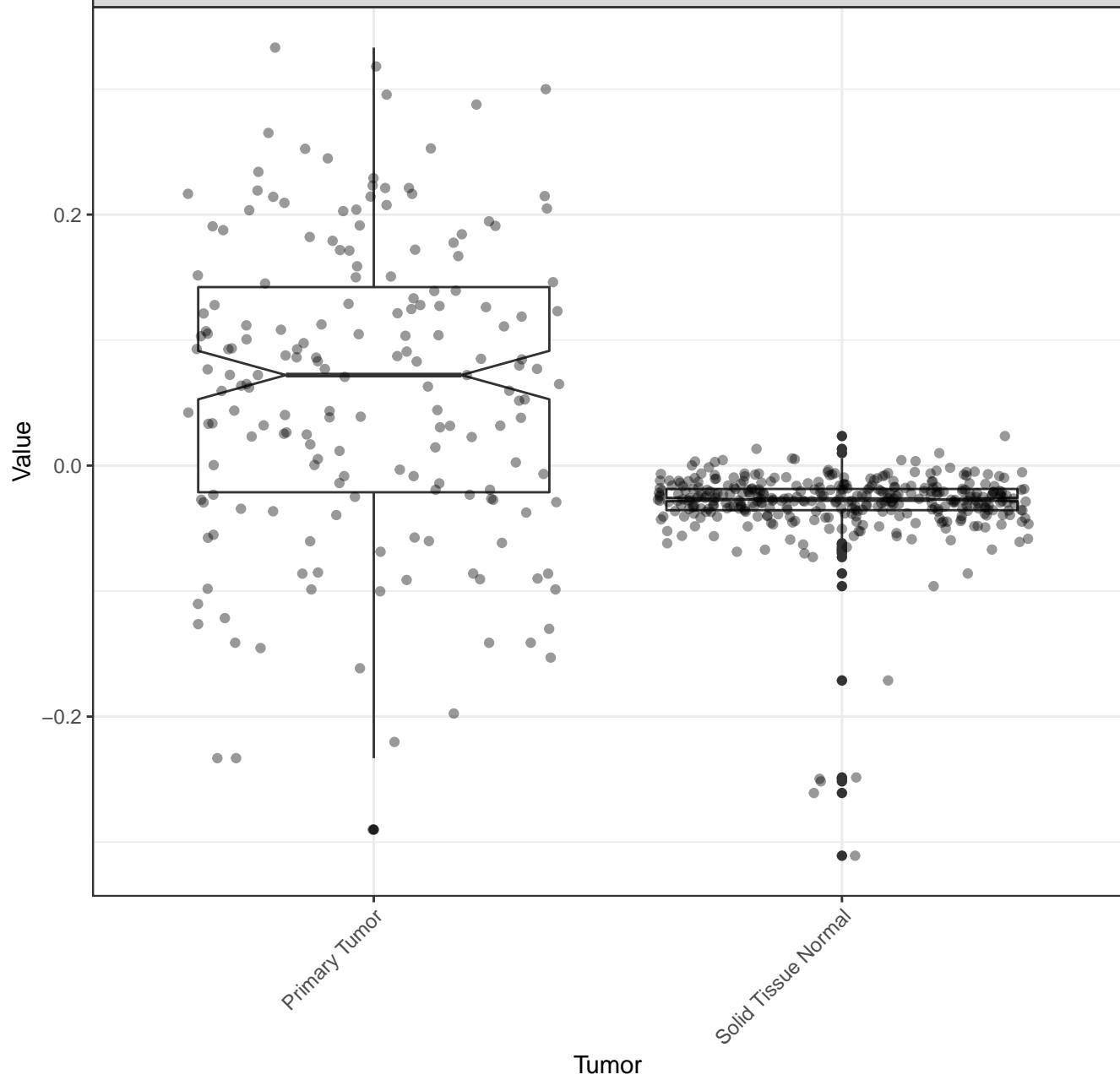
Primary Tumor

Tumor

Solid Tissue Normal



78,KEGG_TIGHT_JUNCTION



79,KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P450

Value

0.2

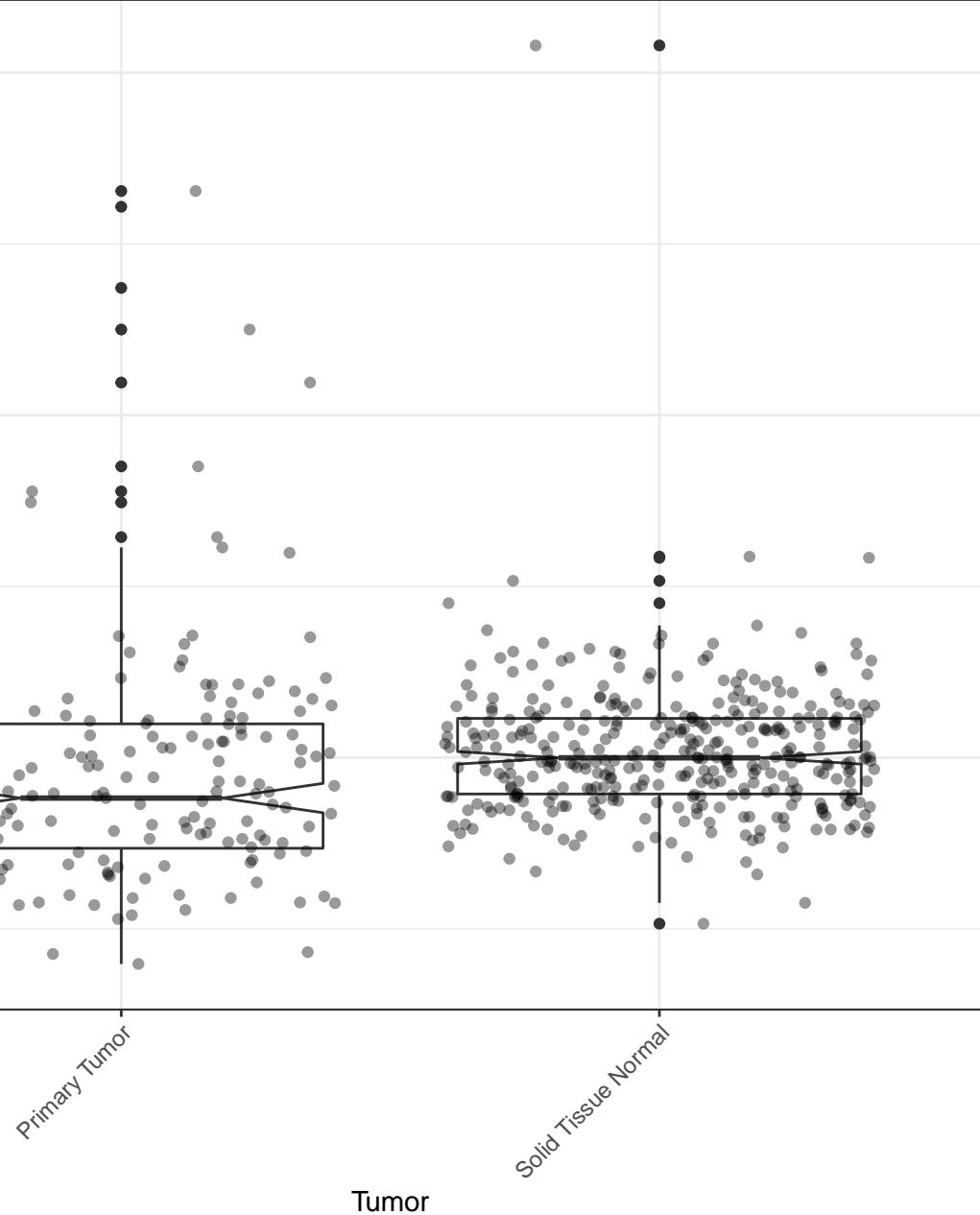
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



80,REACTOME_MEMBRANE_TRAFFICKING

Value

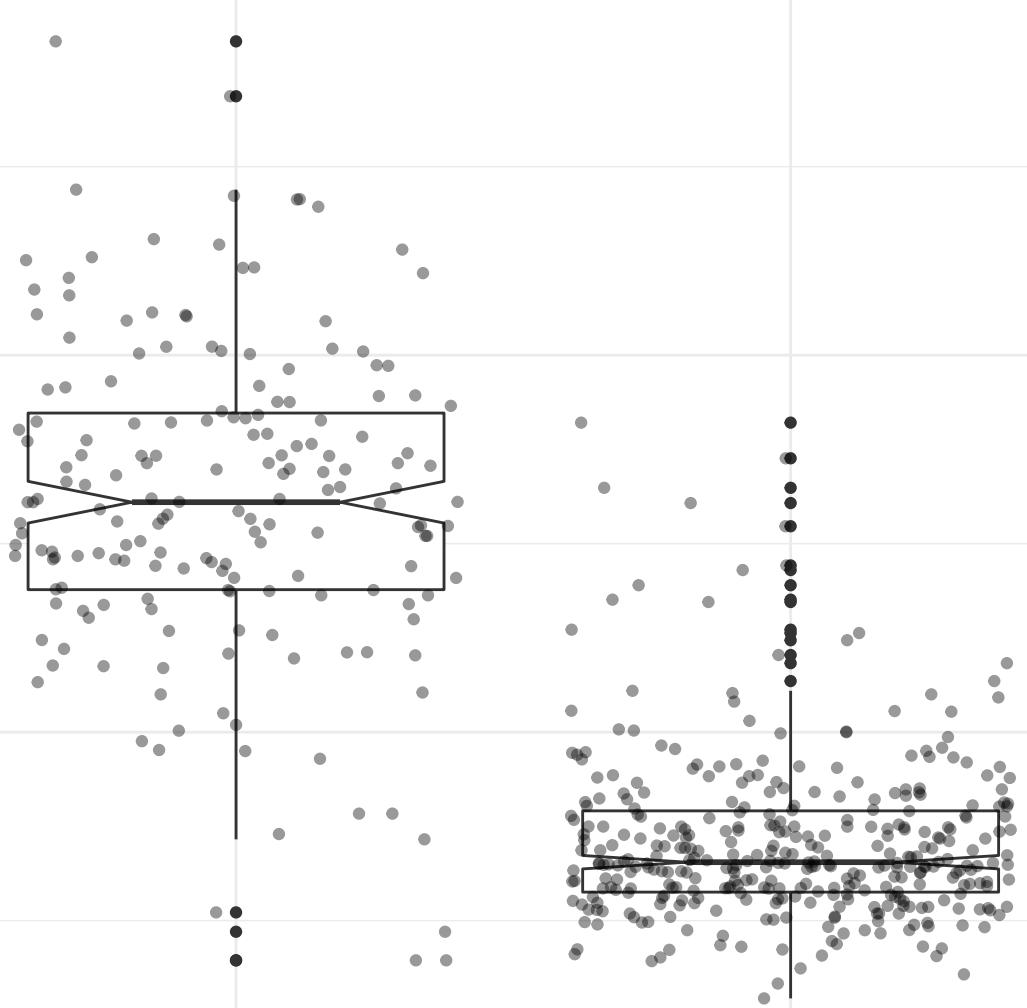
0.05

0.00

Primary Tumor

Tumor

Solid Tissue Normal



LV 81

Value

0.15

0.10

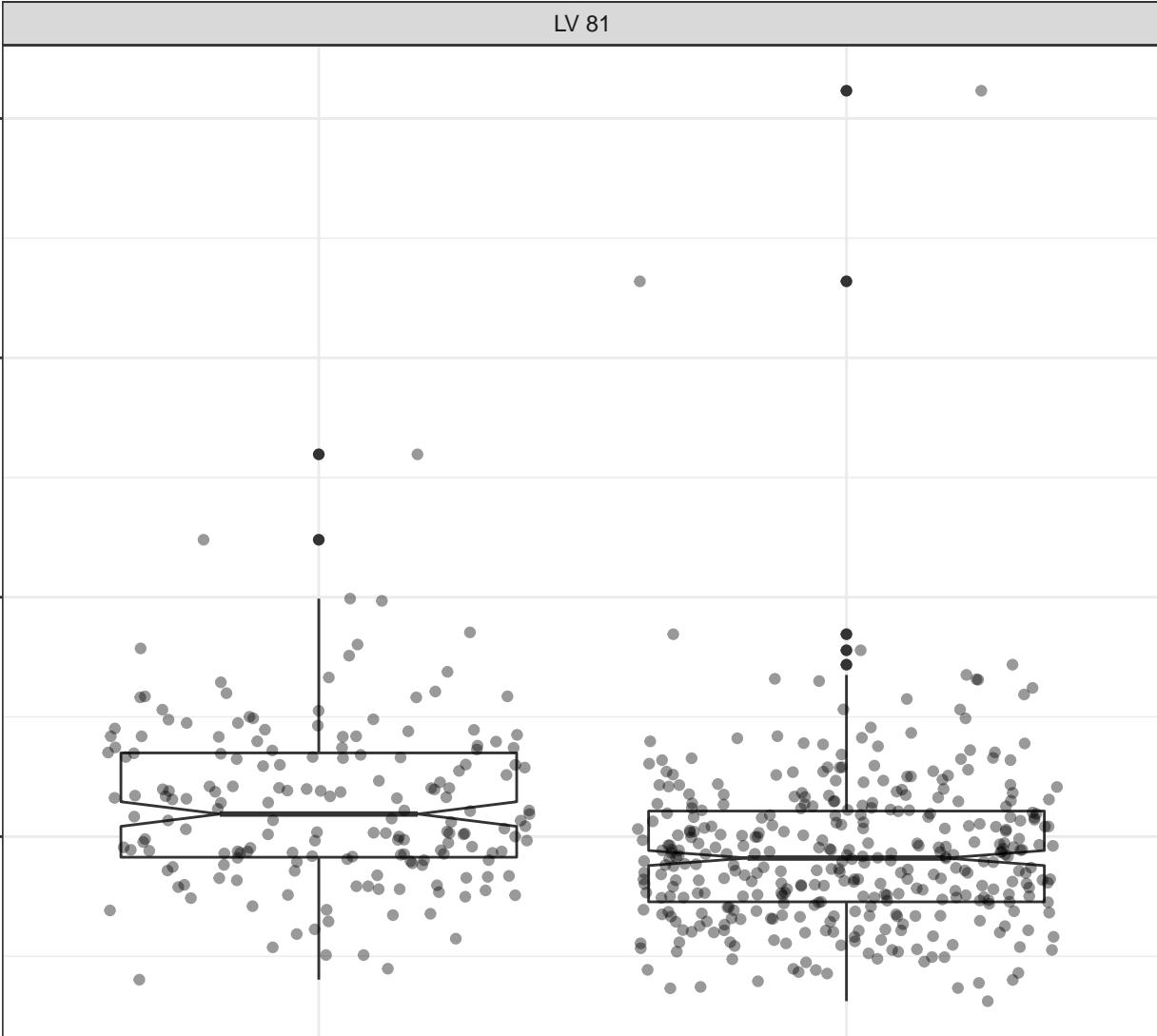
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



82,REACTOME_METABOLISM_OF_RNA

Value

0.10

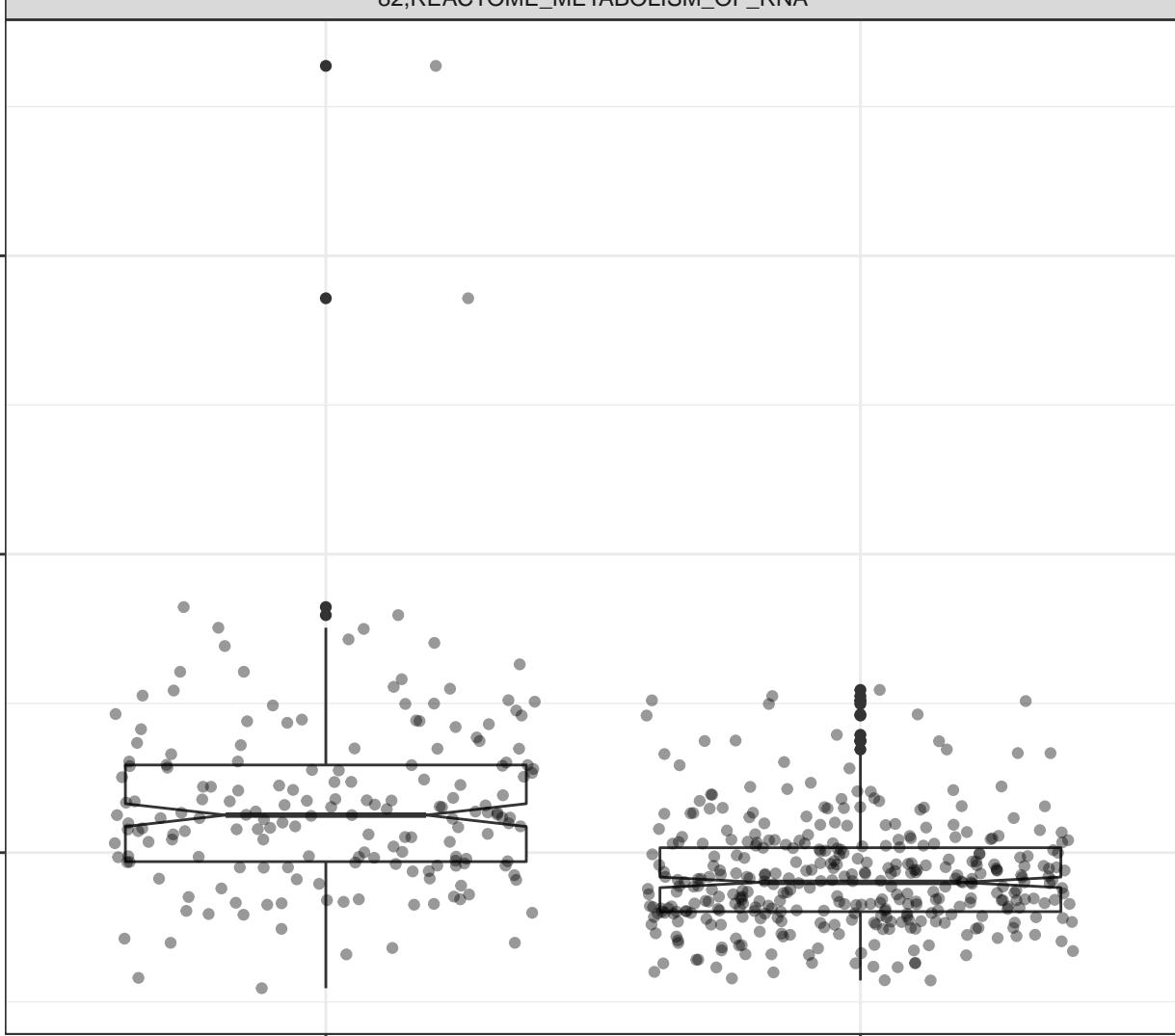
0.05

0.00

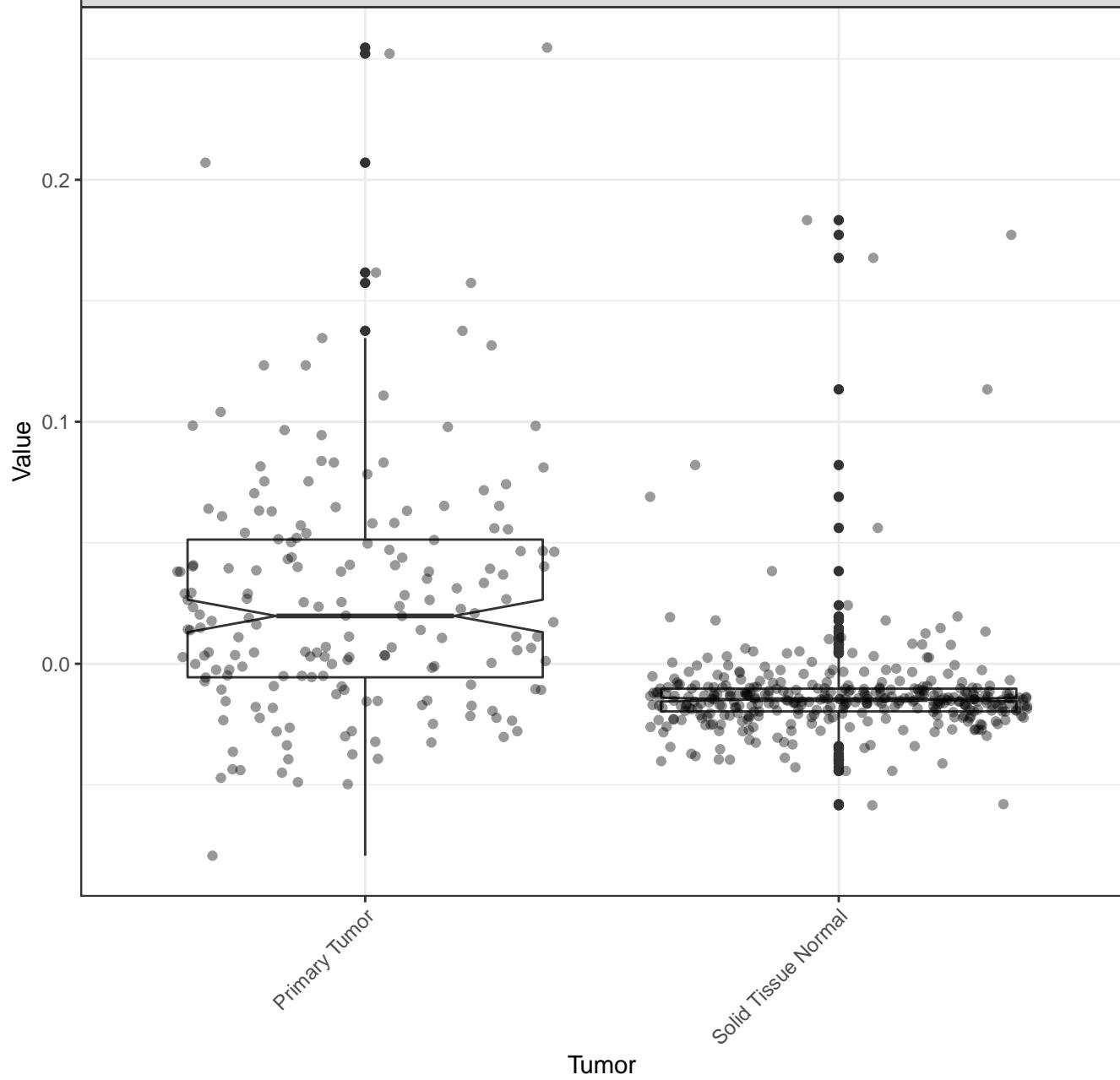
Primary Tumor

Solid Tissue Normal

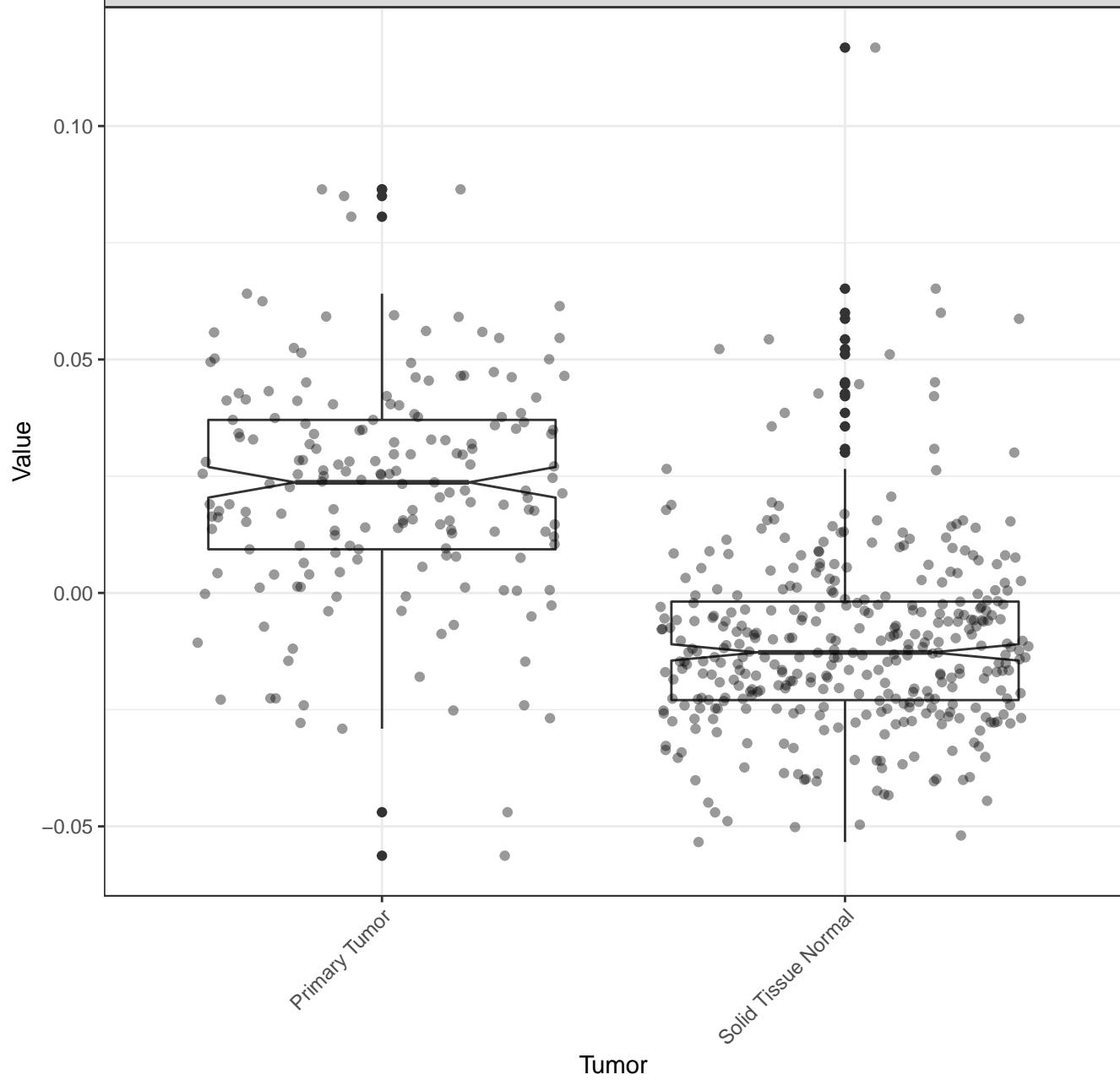
Tumor



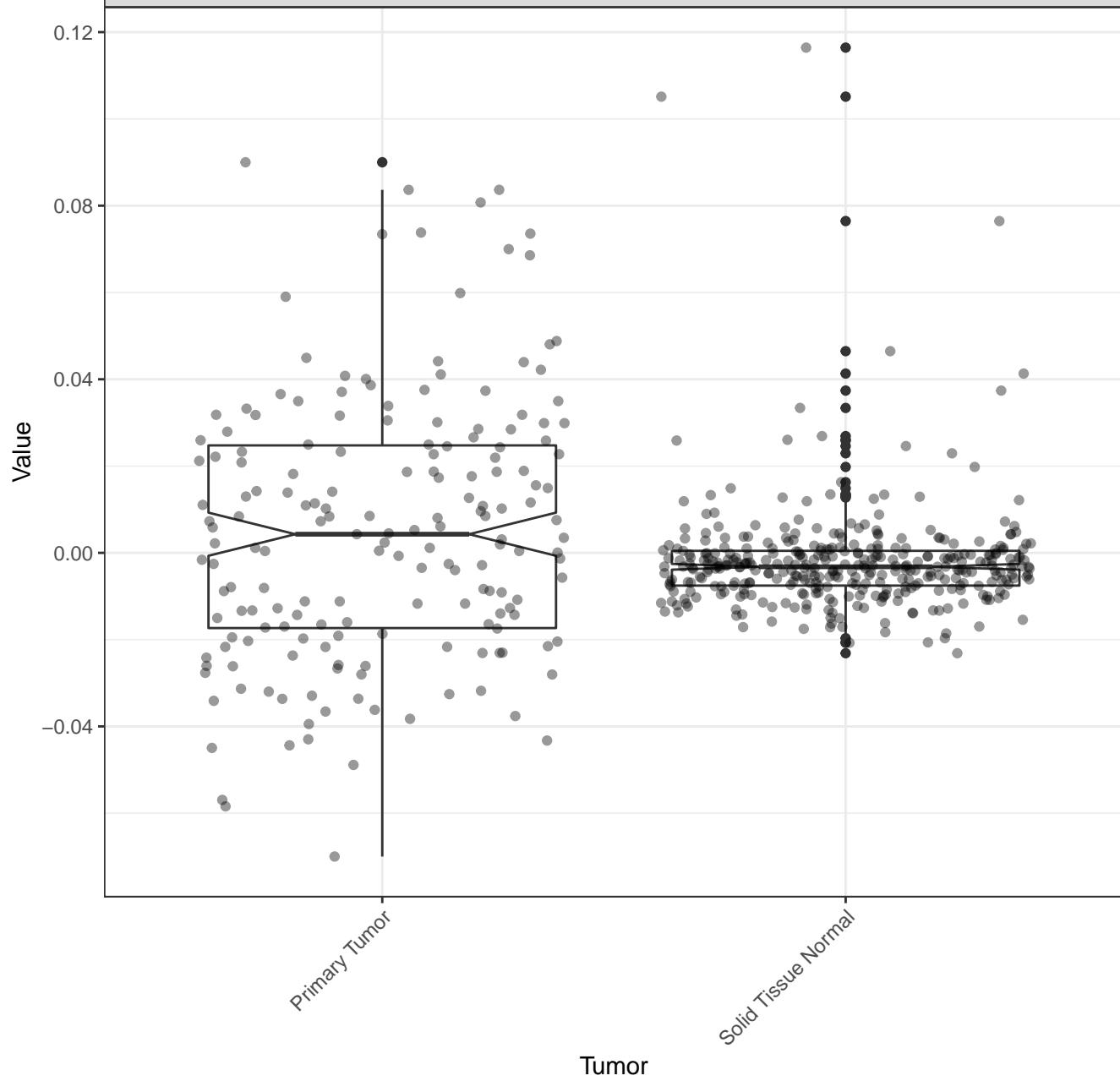
83,SVM Monocytes



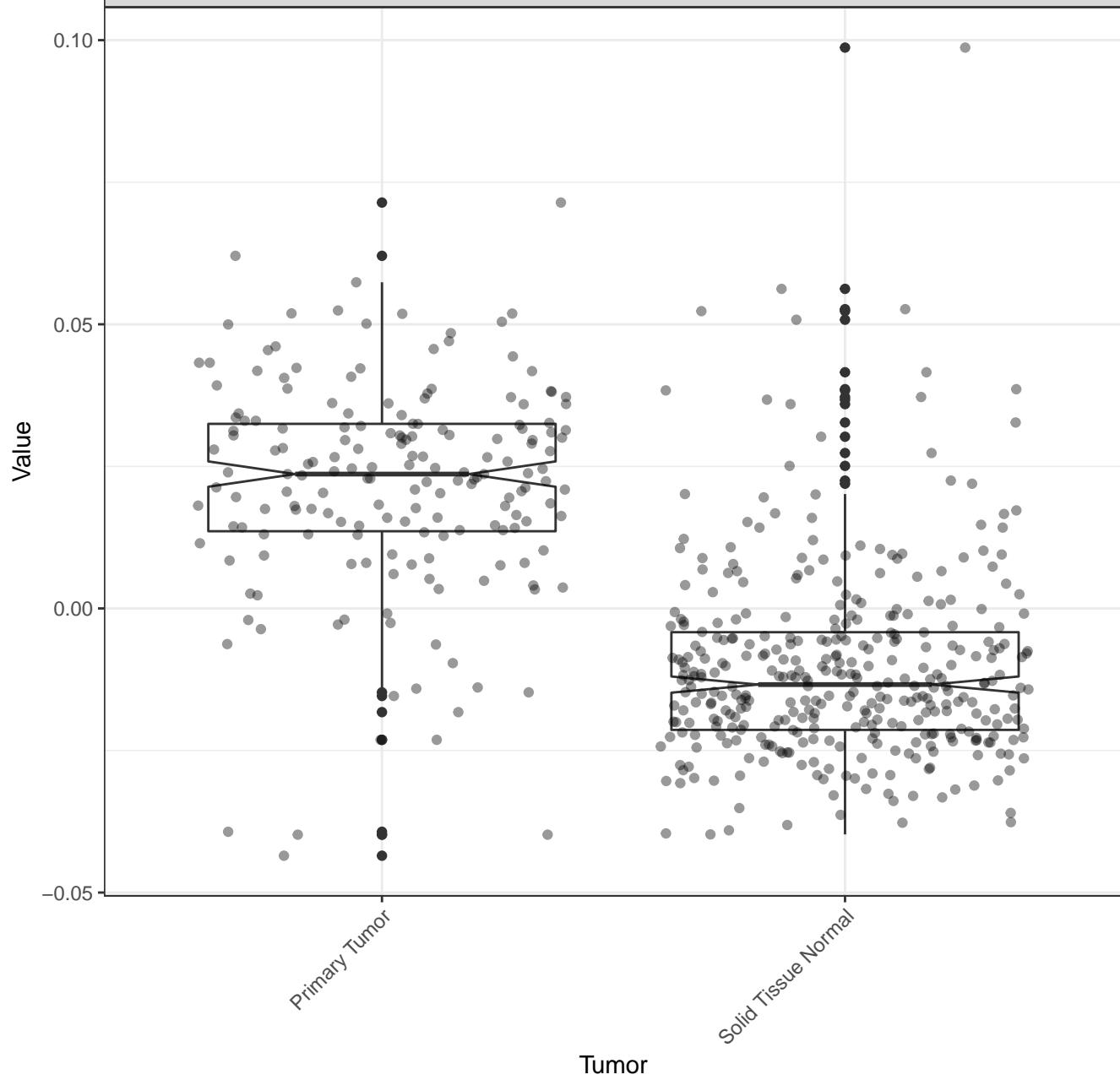
84,REACTOME_RNA_POL_III_TRANSCRIPTION



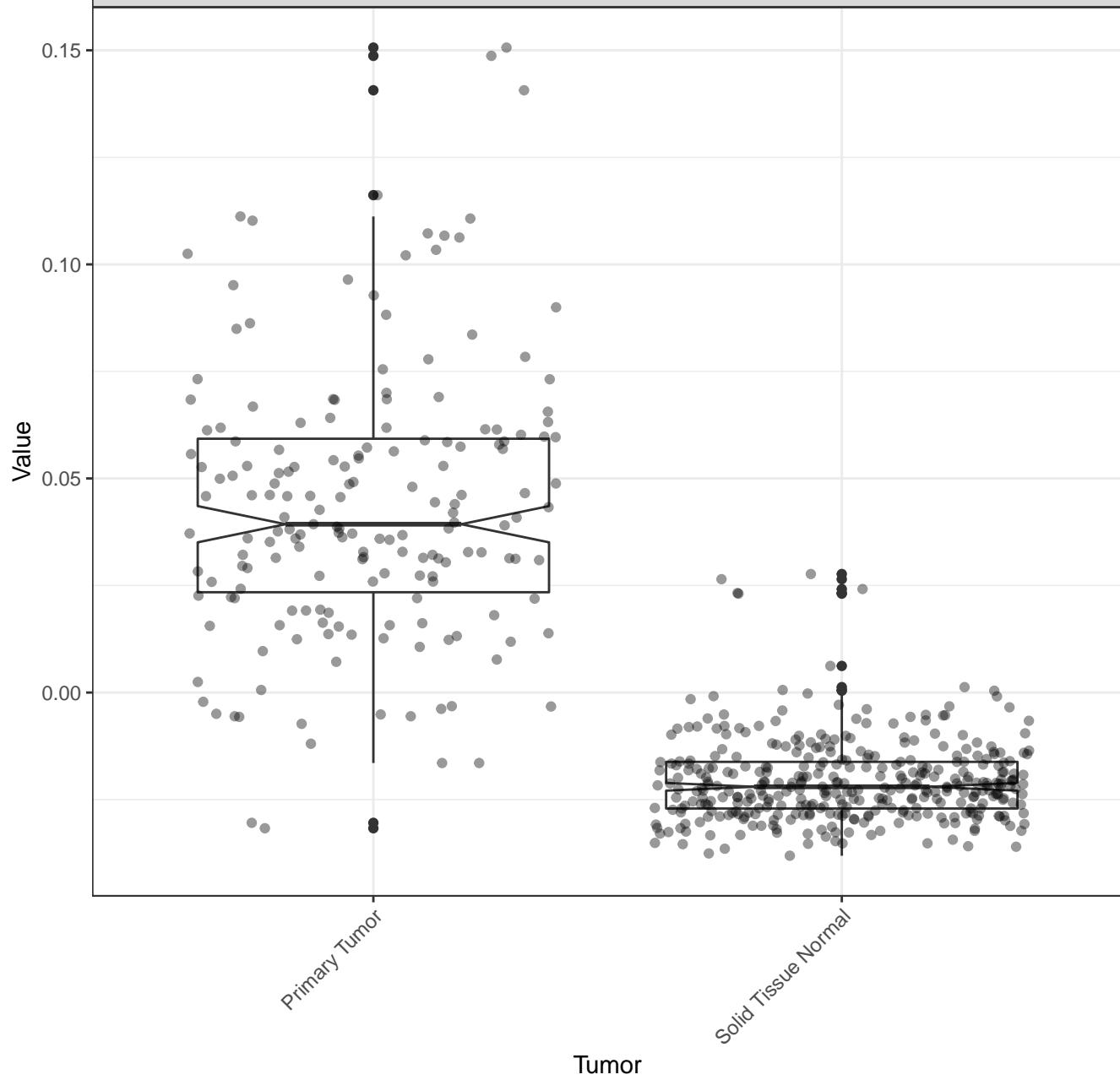
85,REACTOME_CLASS_A1_RHODOPSIN_LIKE_RECEPTEORS



86,REACTOME_RNA_POL_II_PRE_TRANSCRIPTION_EVENTS



87,REACTOME_L1CAM_INTERACTIONS



88,REACTOME_MUSCLE_CONTRACTION

Value

0.8

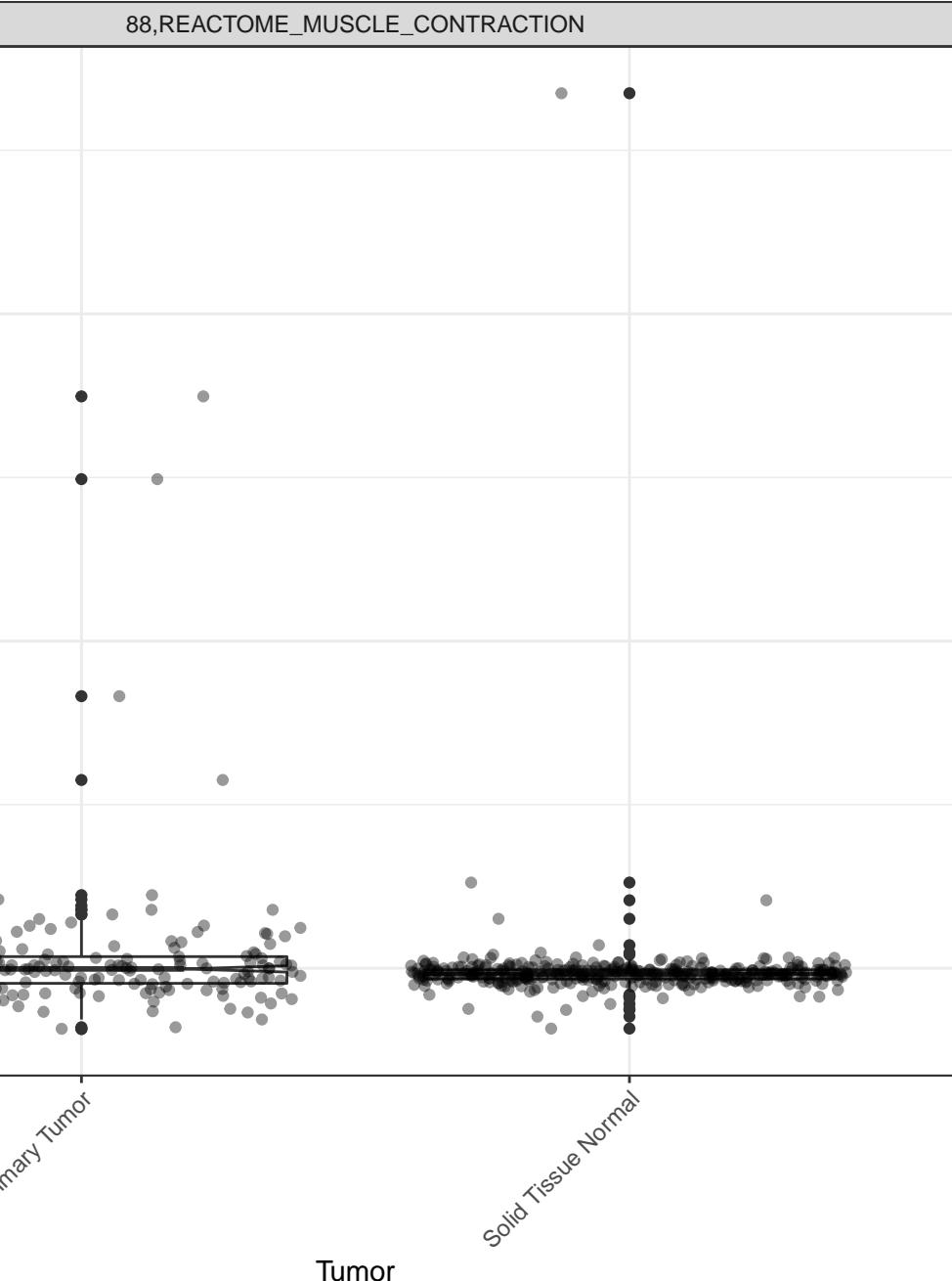
0.4

0.0

Primary Tumor

Solid Tissue Normal

Tumor



LV 89

Value

0.10

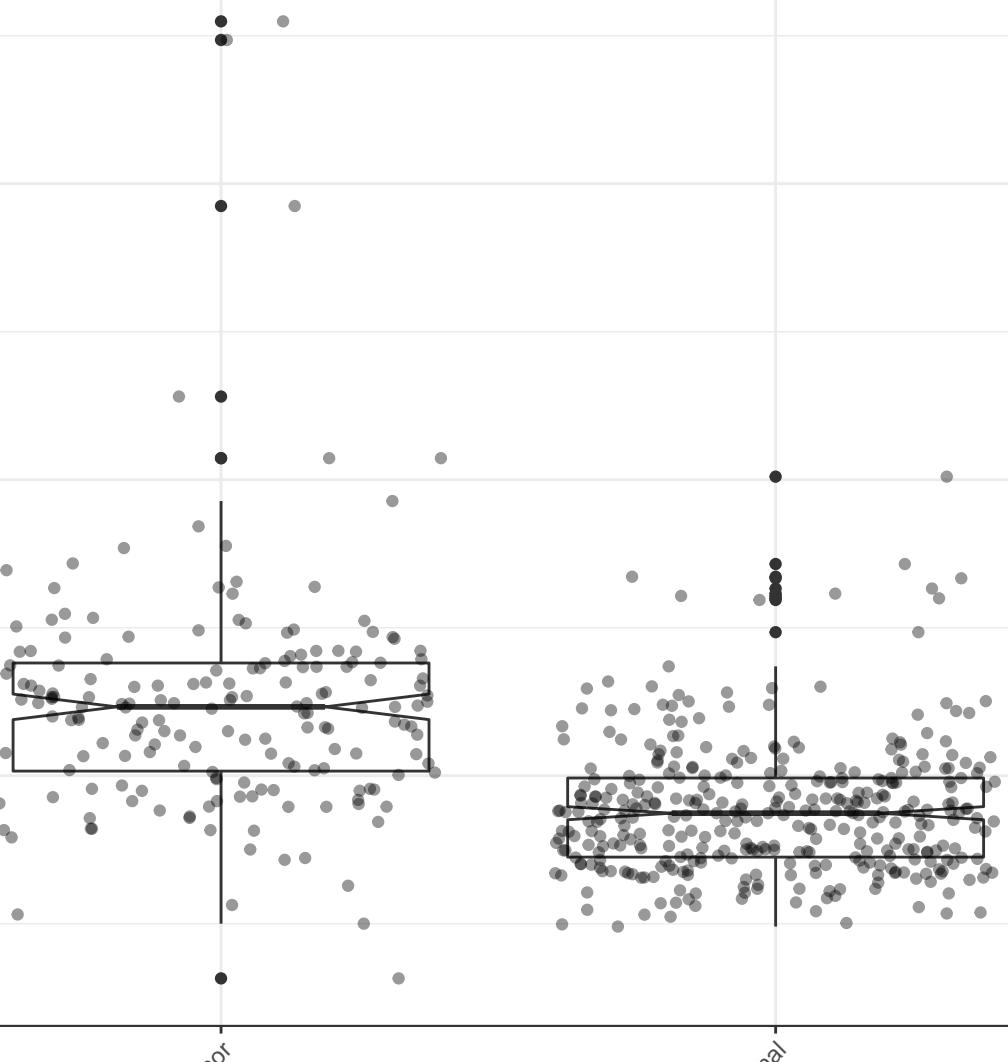
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 90

Value

0.08

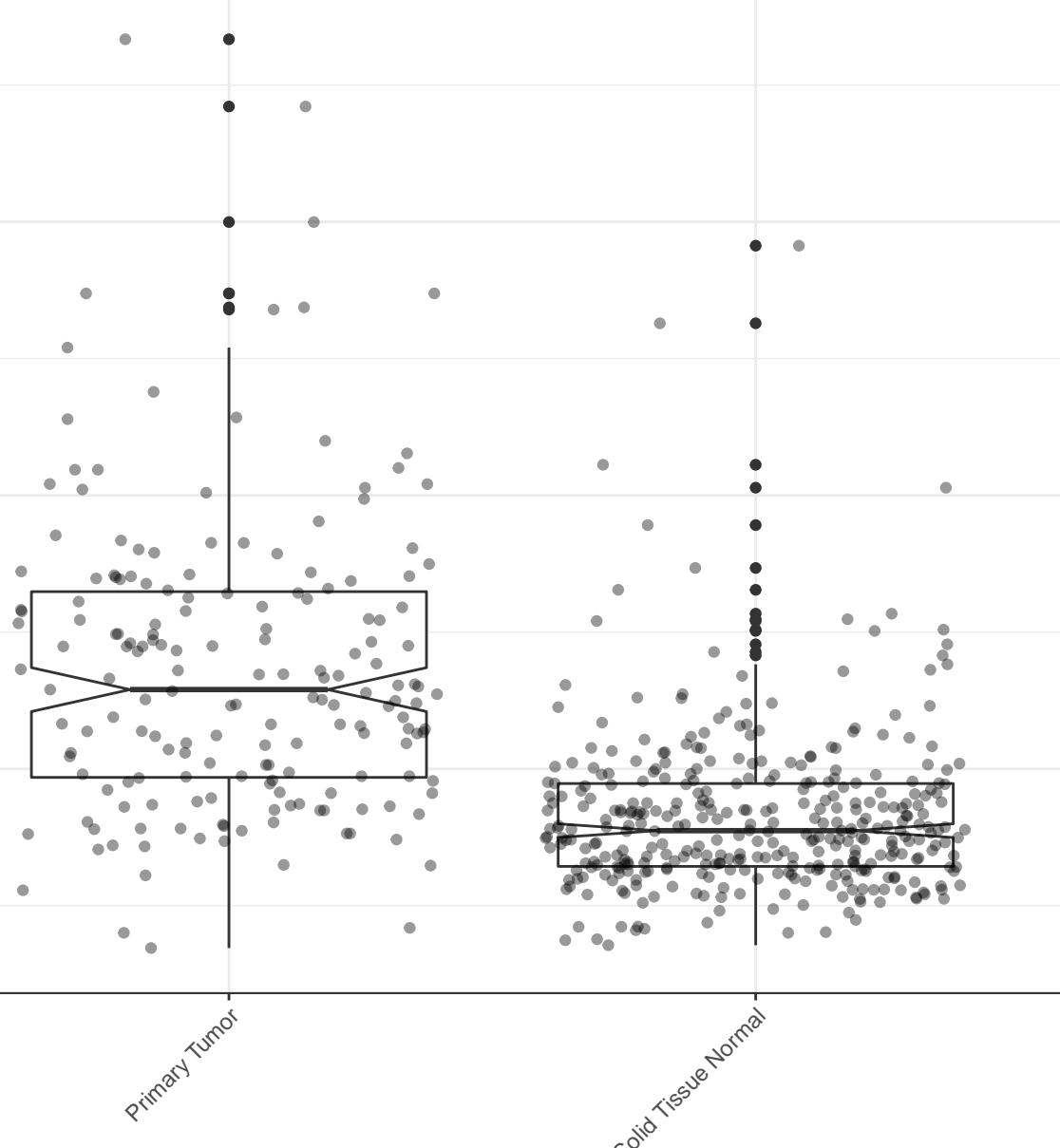
0.04

0.00

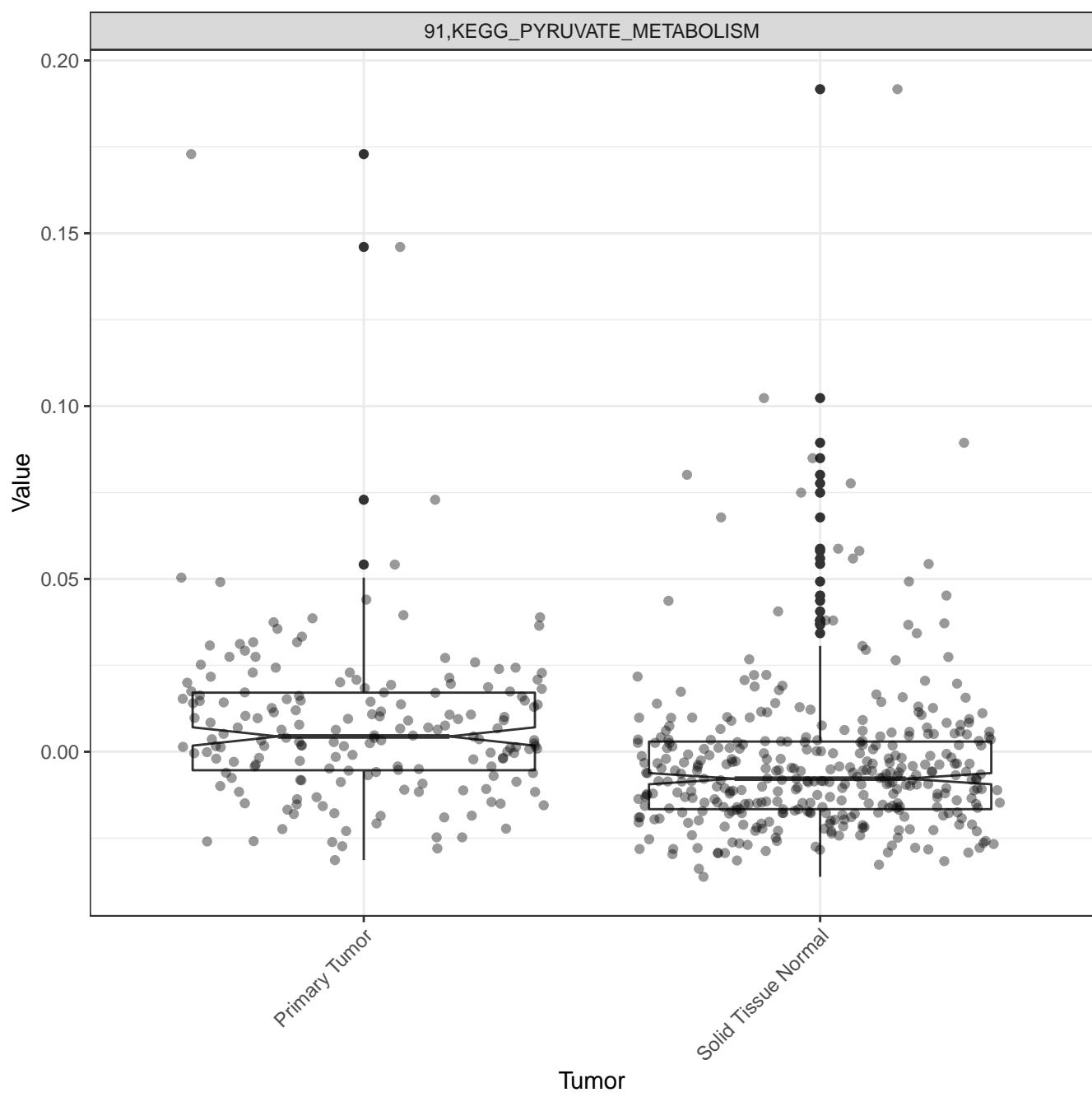
Primary Tumor

Solid Tissue Normal

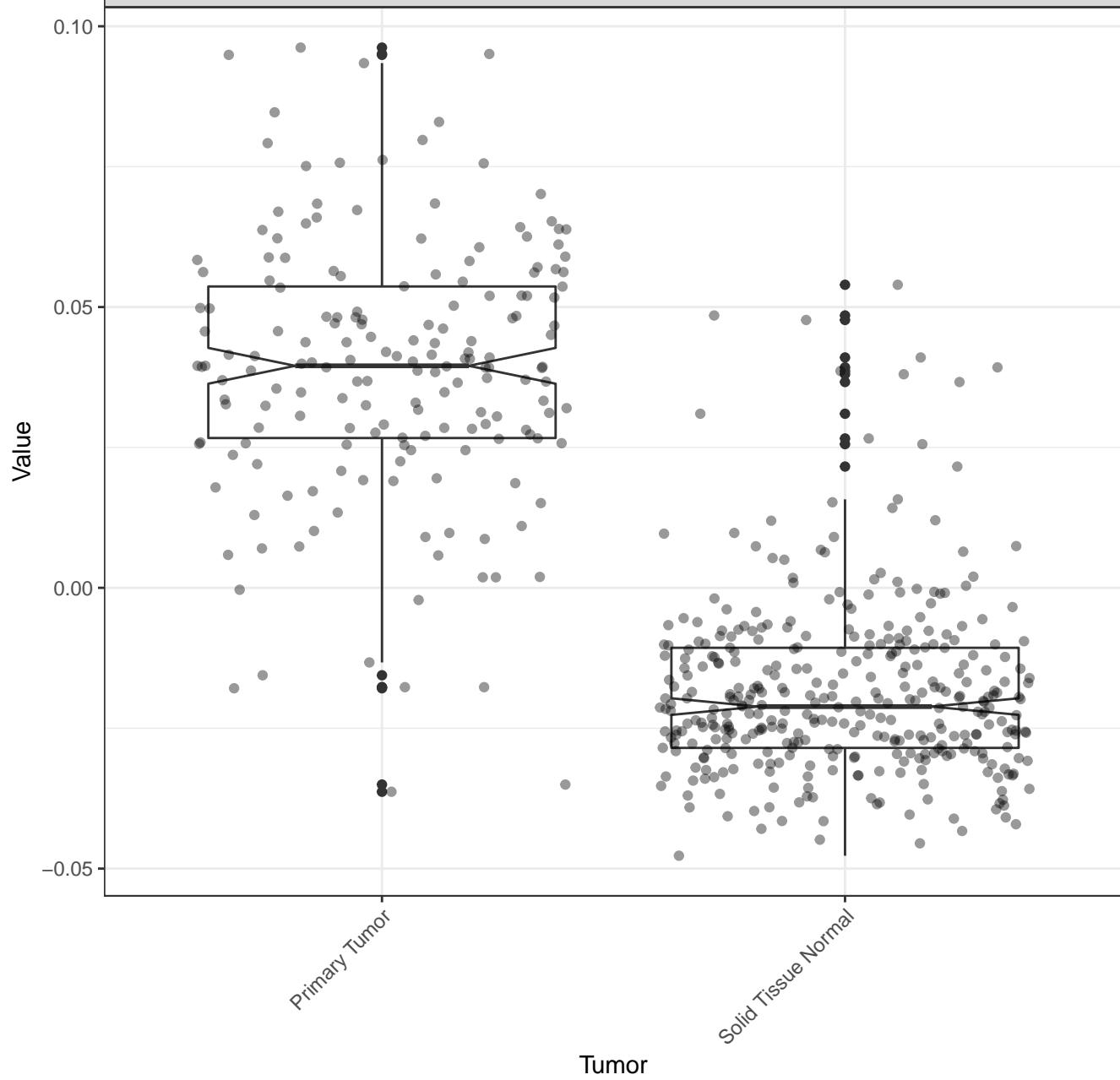
Tumor



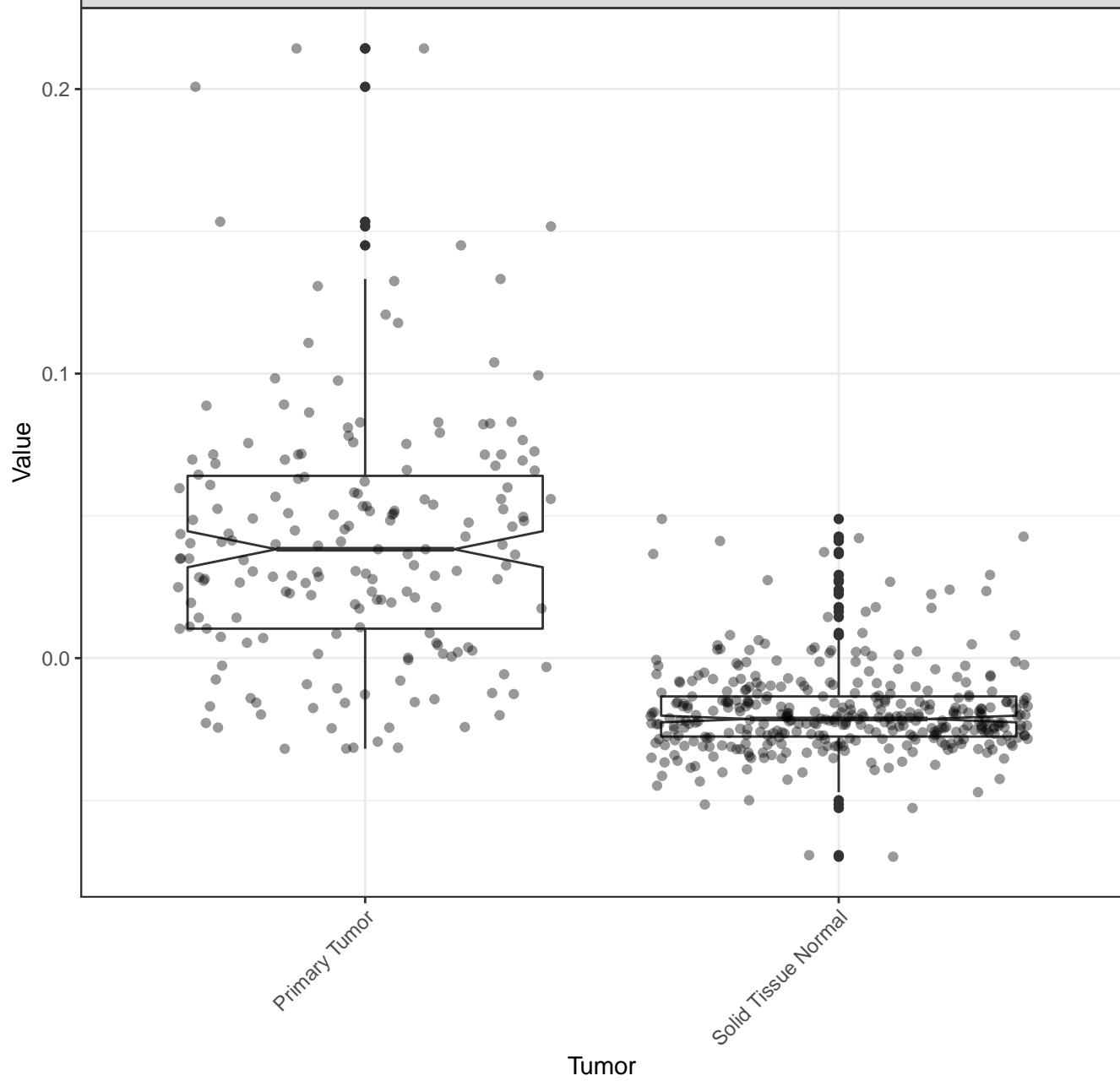
91,KEGG_PYRUVATE_METABOLISM



92,REACTOME_METABOLISM_OF_PROTEINS

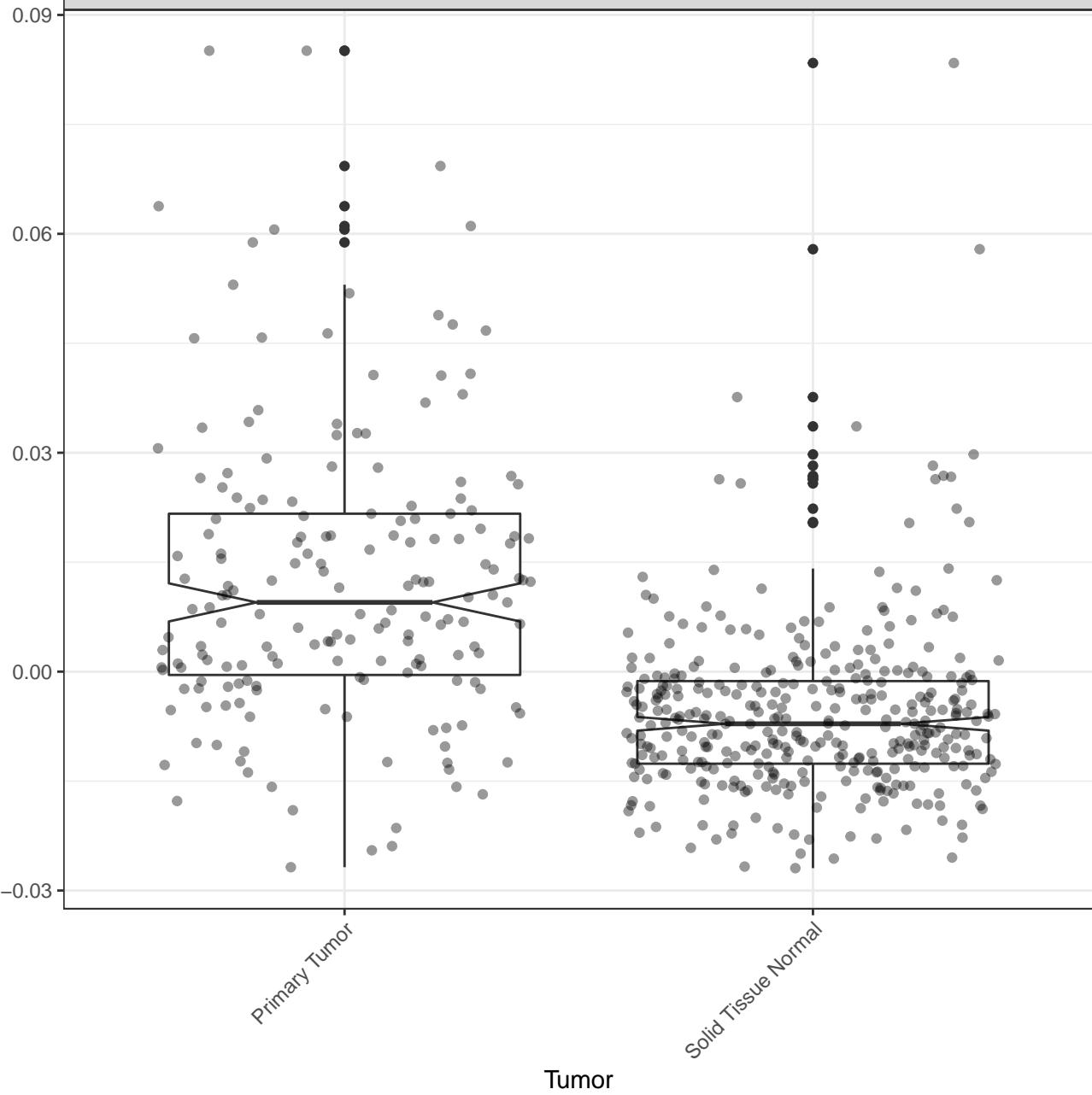


93,REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE



LV 94

Value



95,PID_DELTA_NP63_PATHWAY

Value

0.2

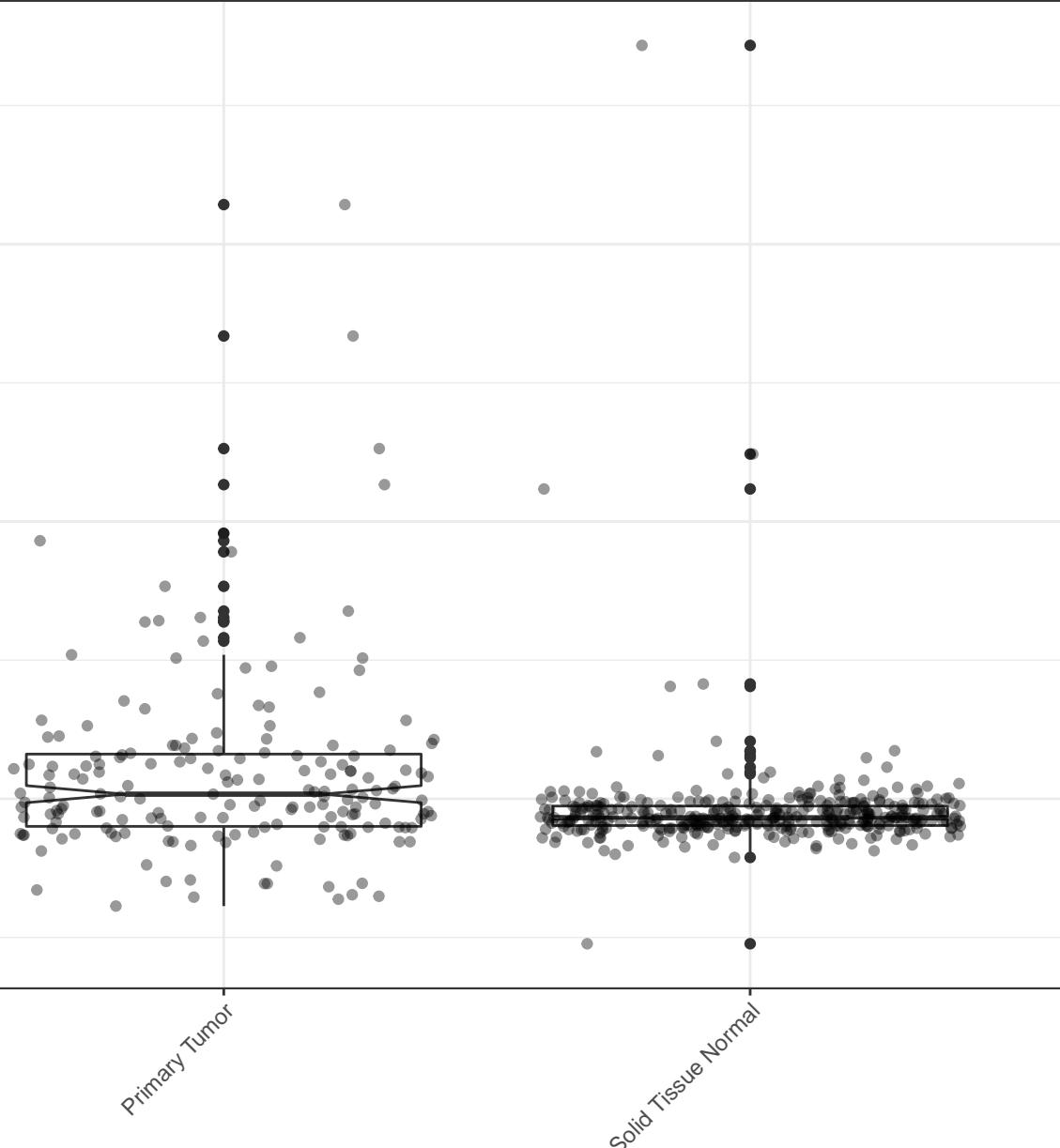
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



96,REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AND_NADE

Value

0.15

0.10

0.05

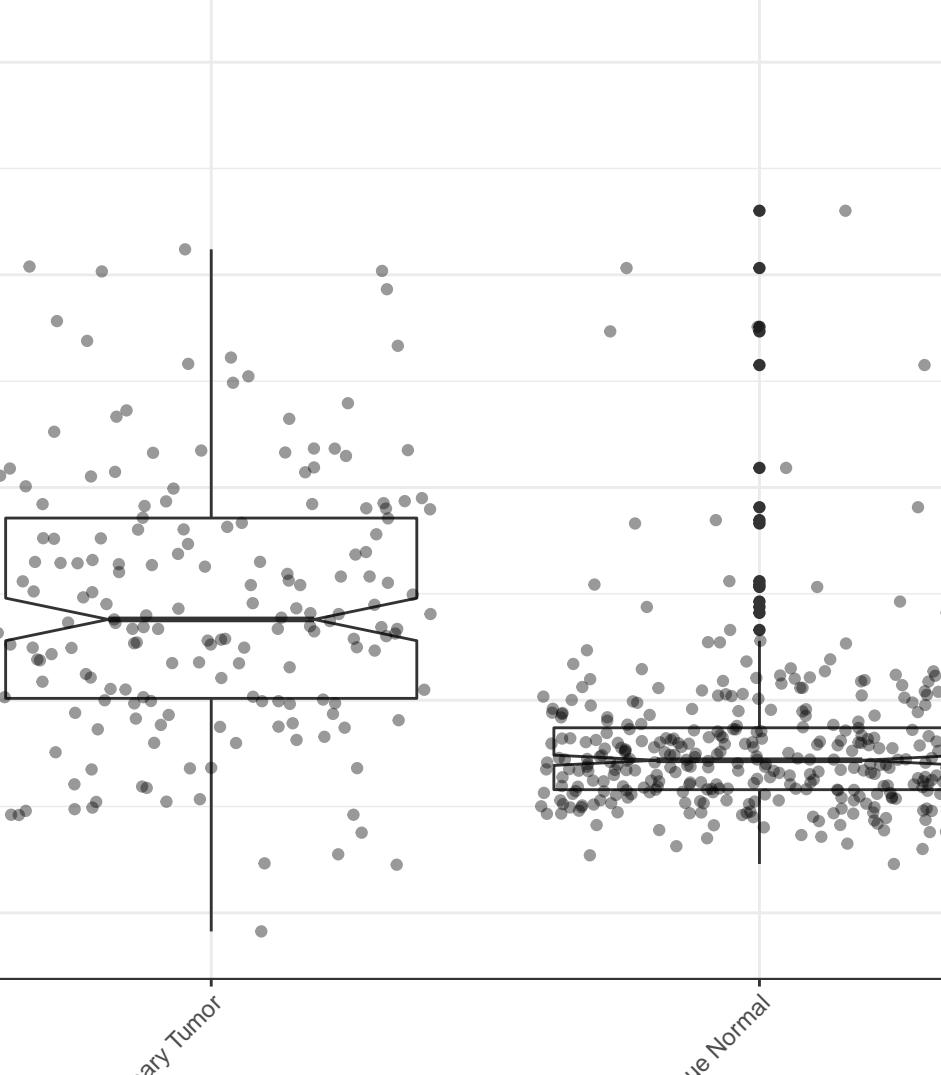
0.00

-0.05

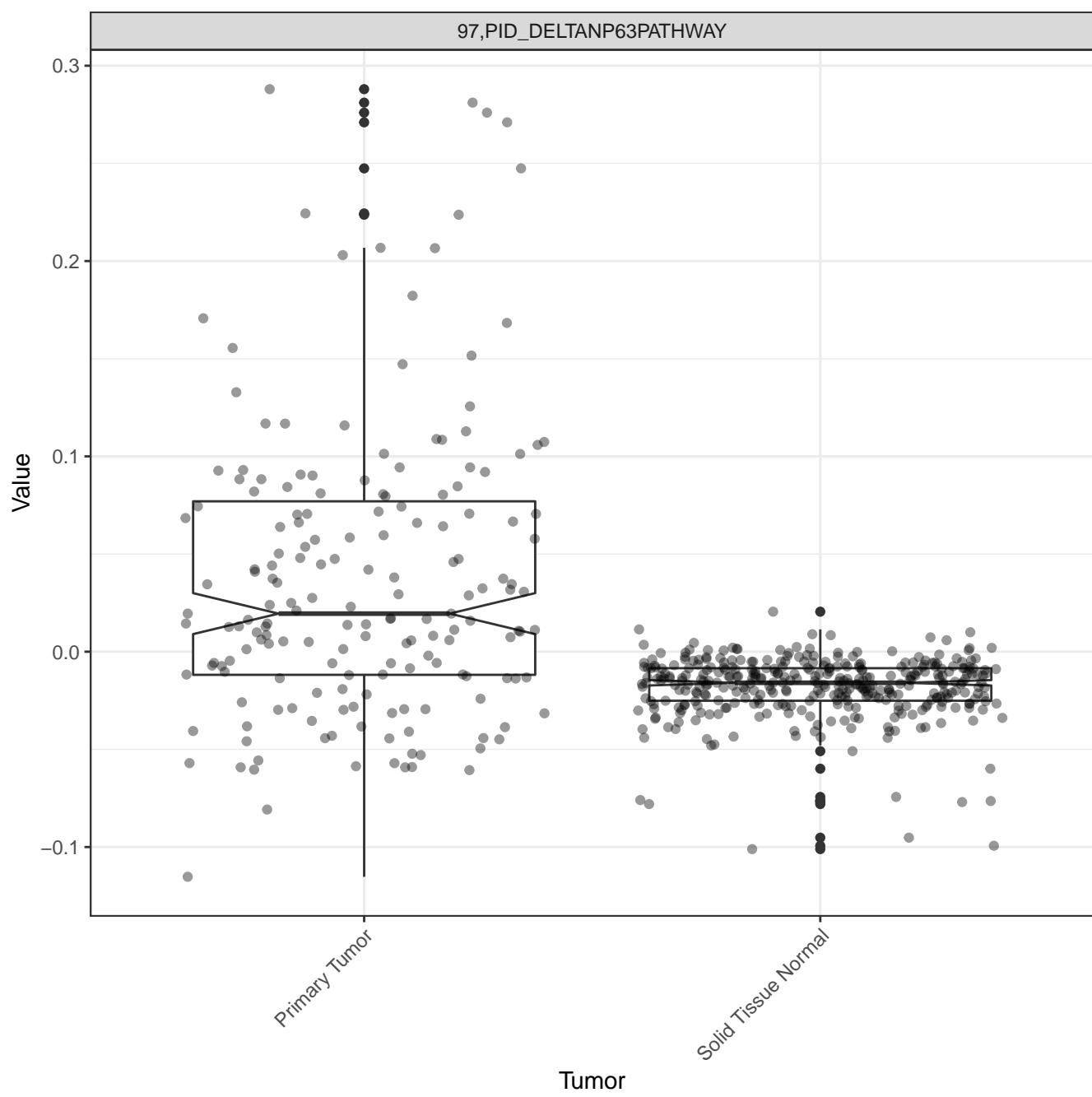
Primary Tumor

Solid Tissue Normal

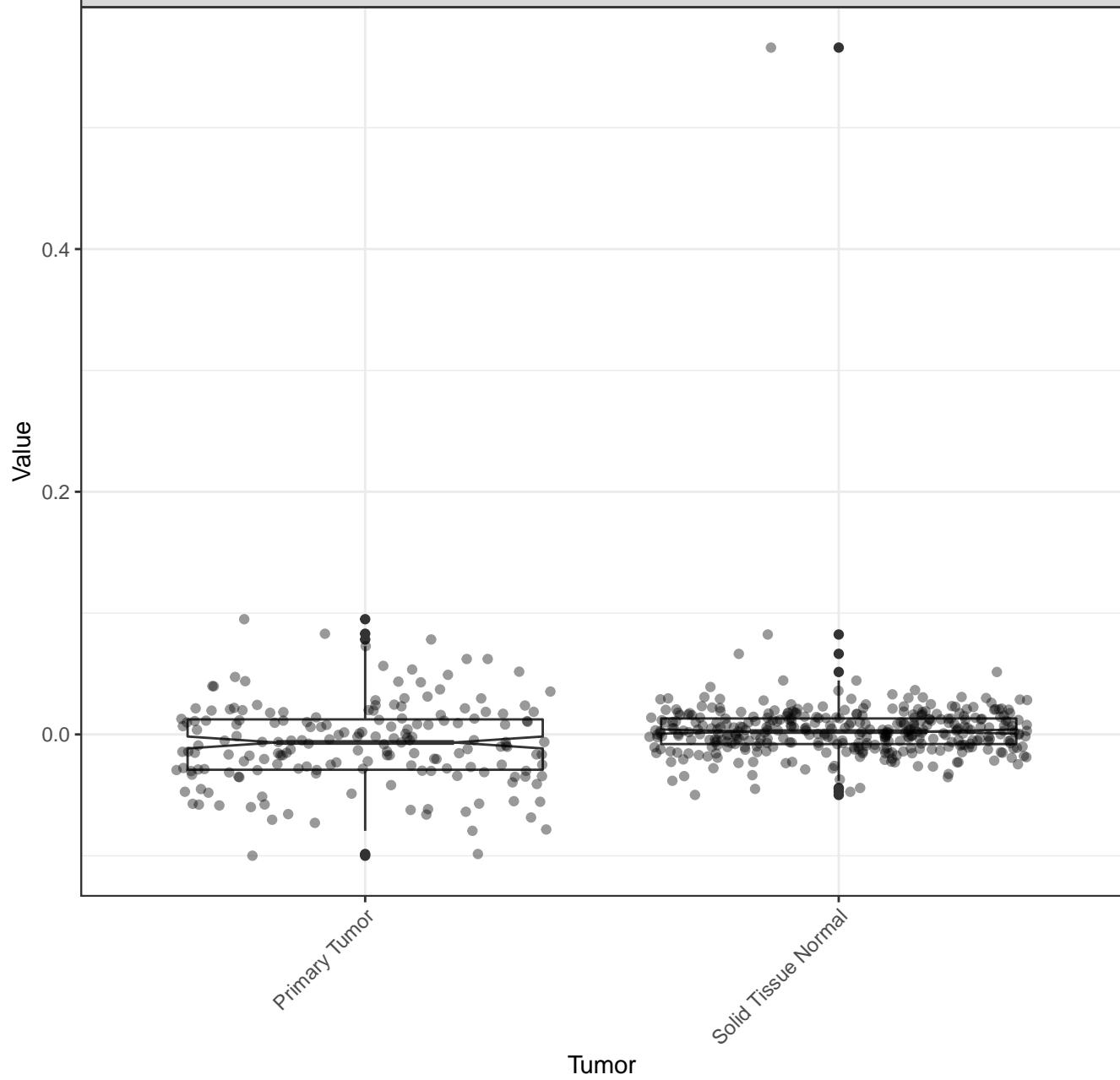
Tumor



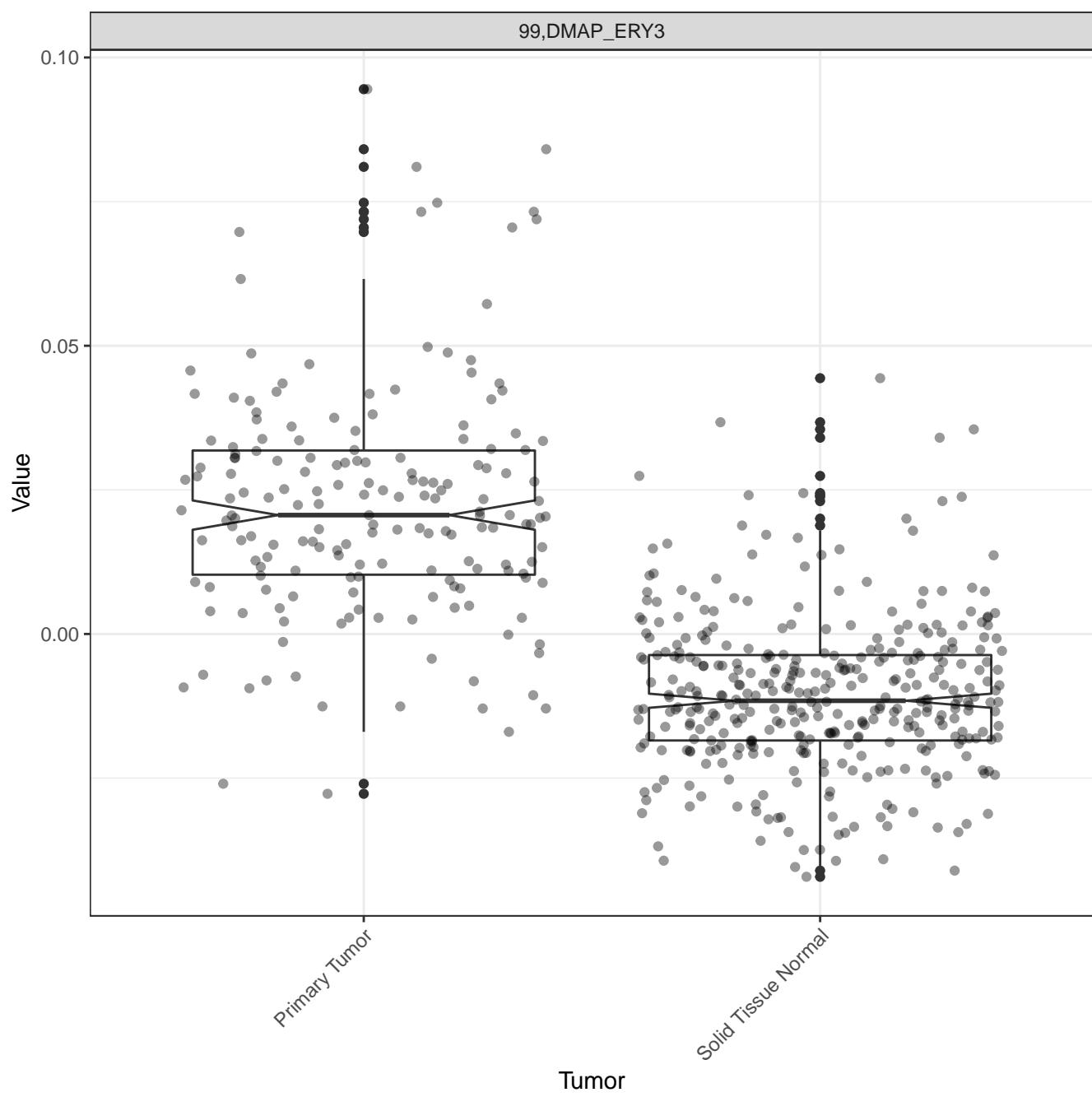
97,PID_DELTA_NP63PATHWAY



98,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS



99,DMAP_ERY3



LV 100

Value

0.10

0.05

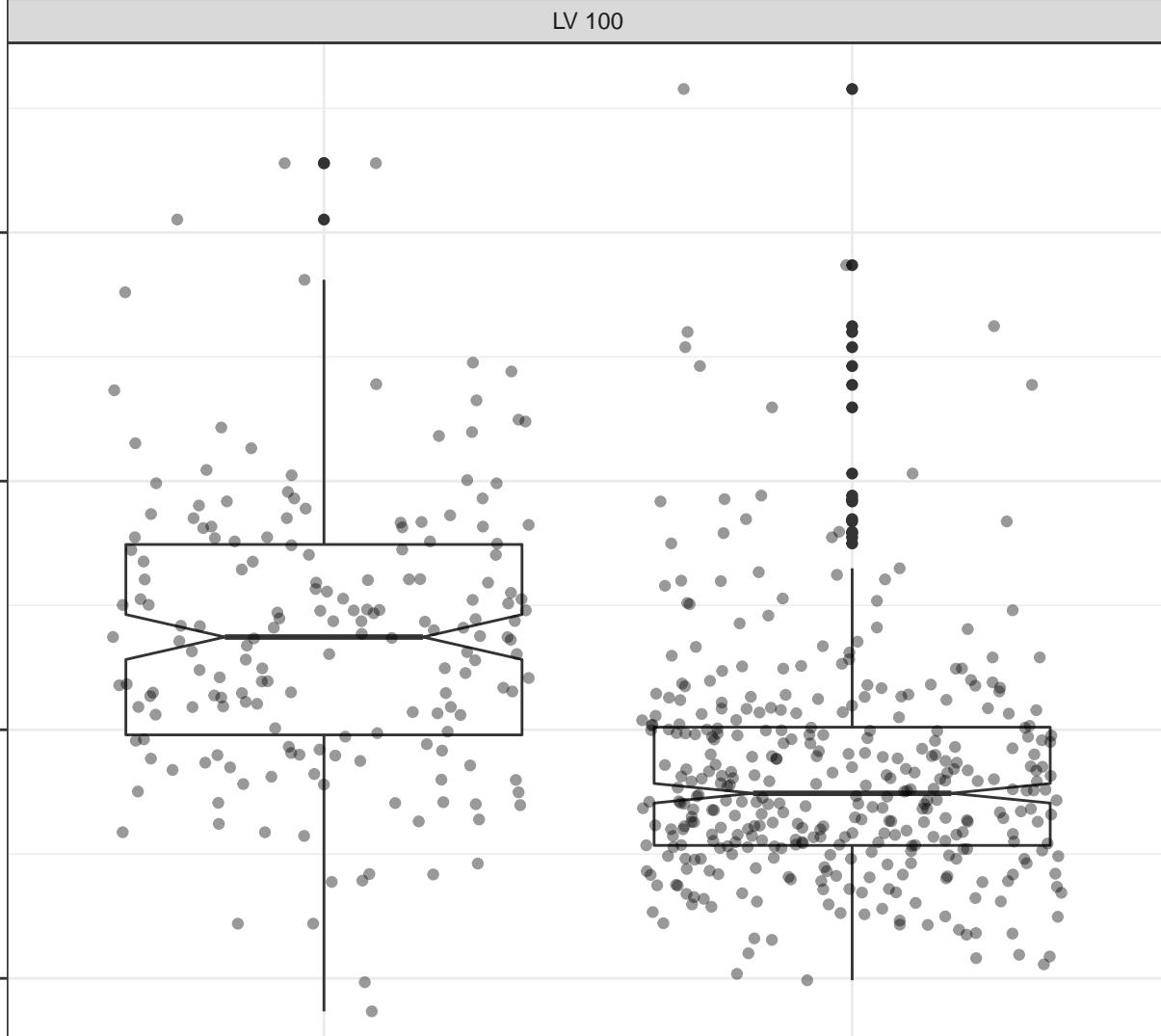
0.00

-0.05

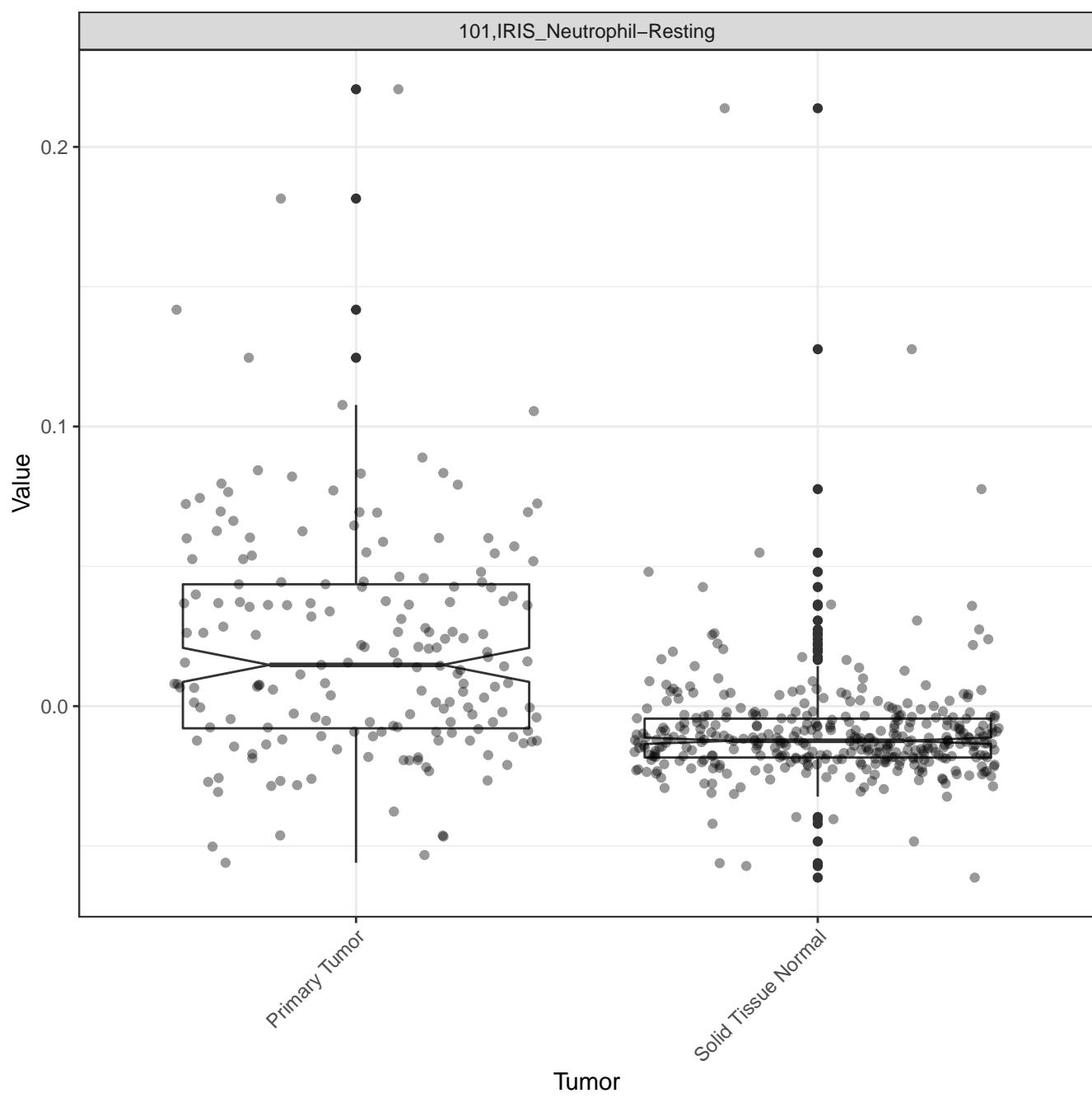
Primary Tumor

Solid Tissue Normal

Tumor



101,IRIS_Neutrophil-Resting



102,REACTOME_METABOLISM_OF_CARBOHYDRATES

Value

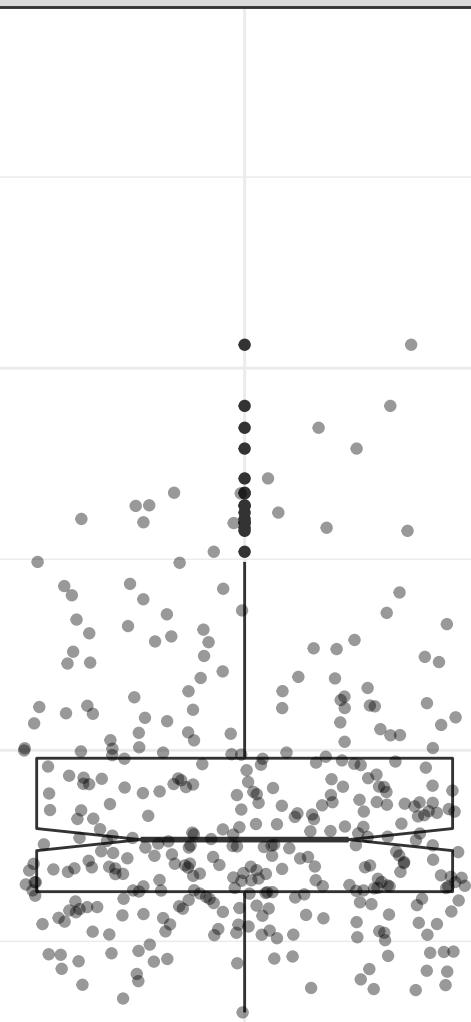
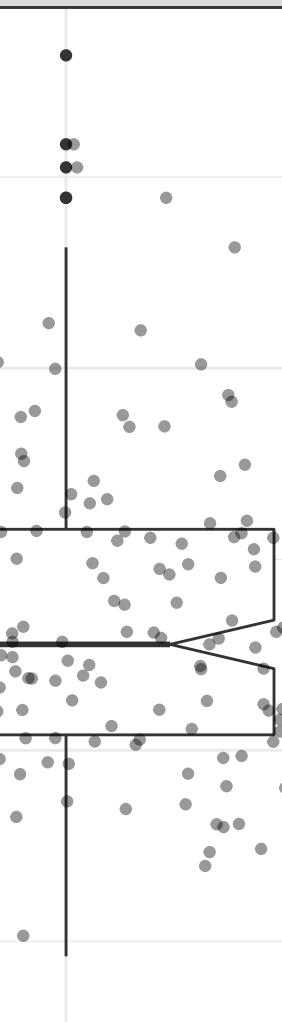
0.05

0.00

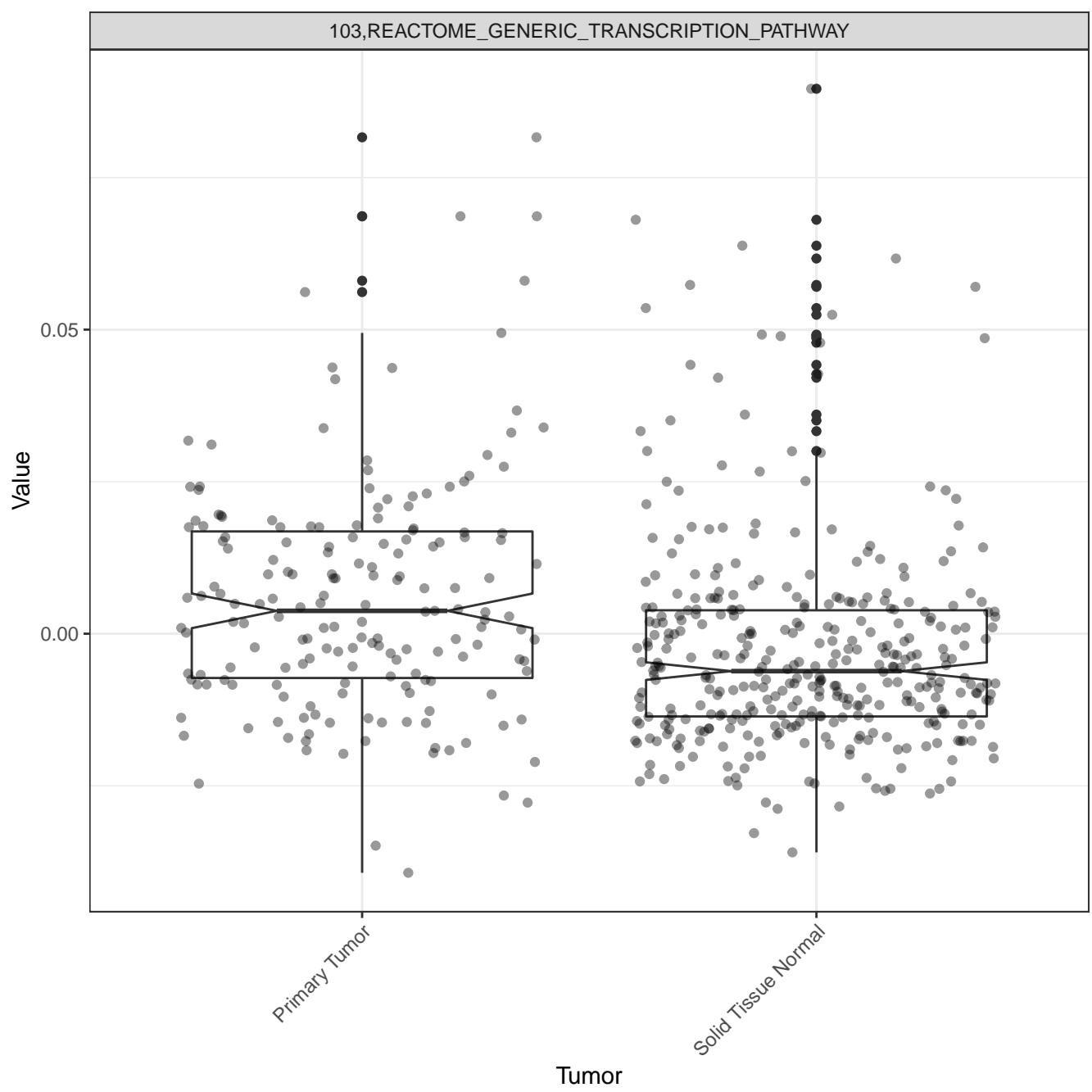
Primary Tumor

Tumor

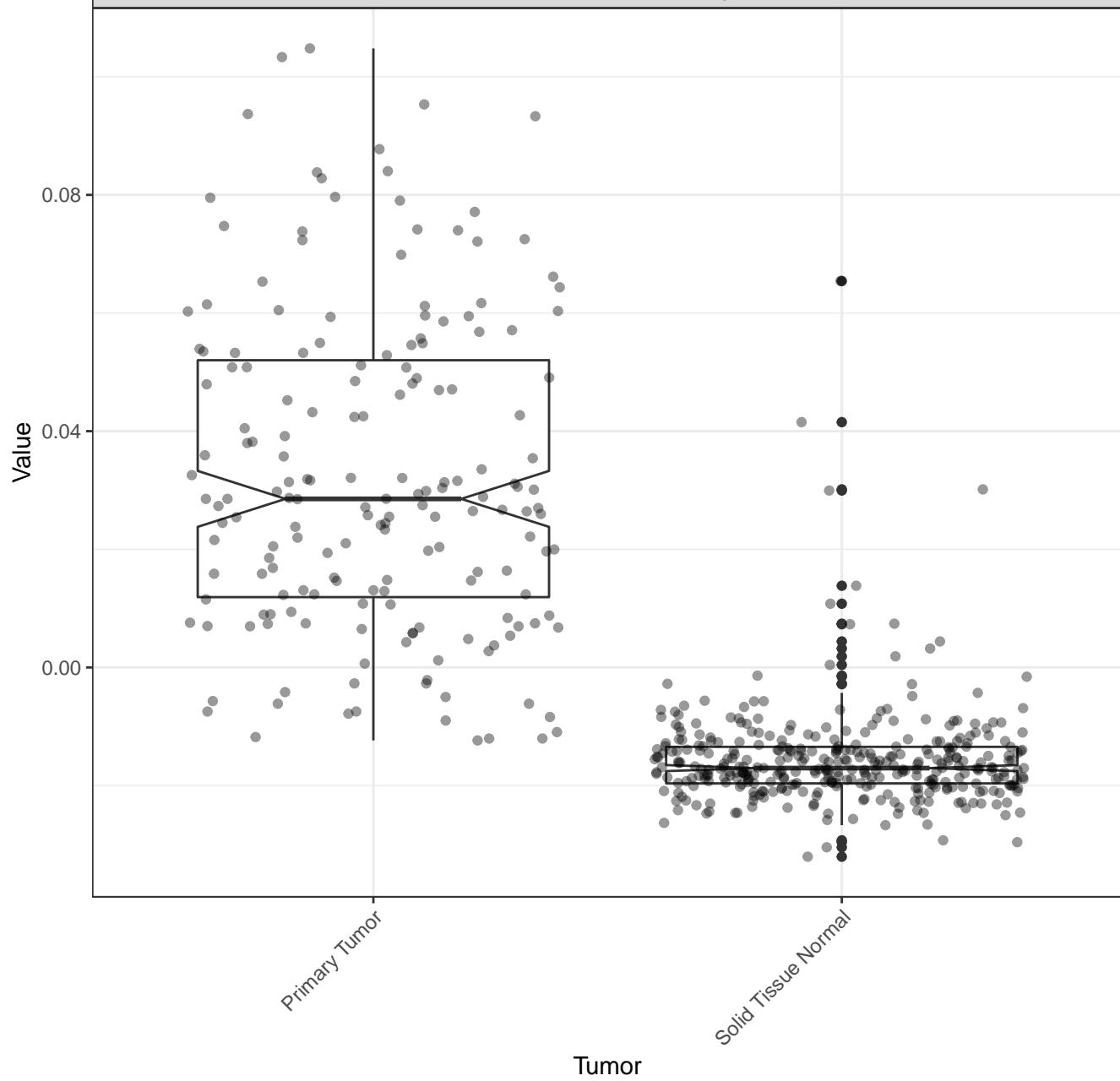
Solid Tissue Normal



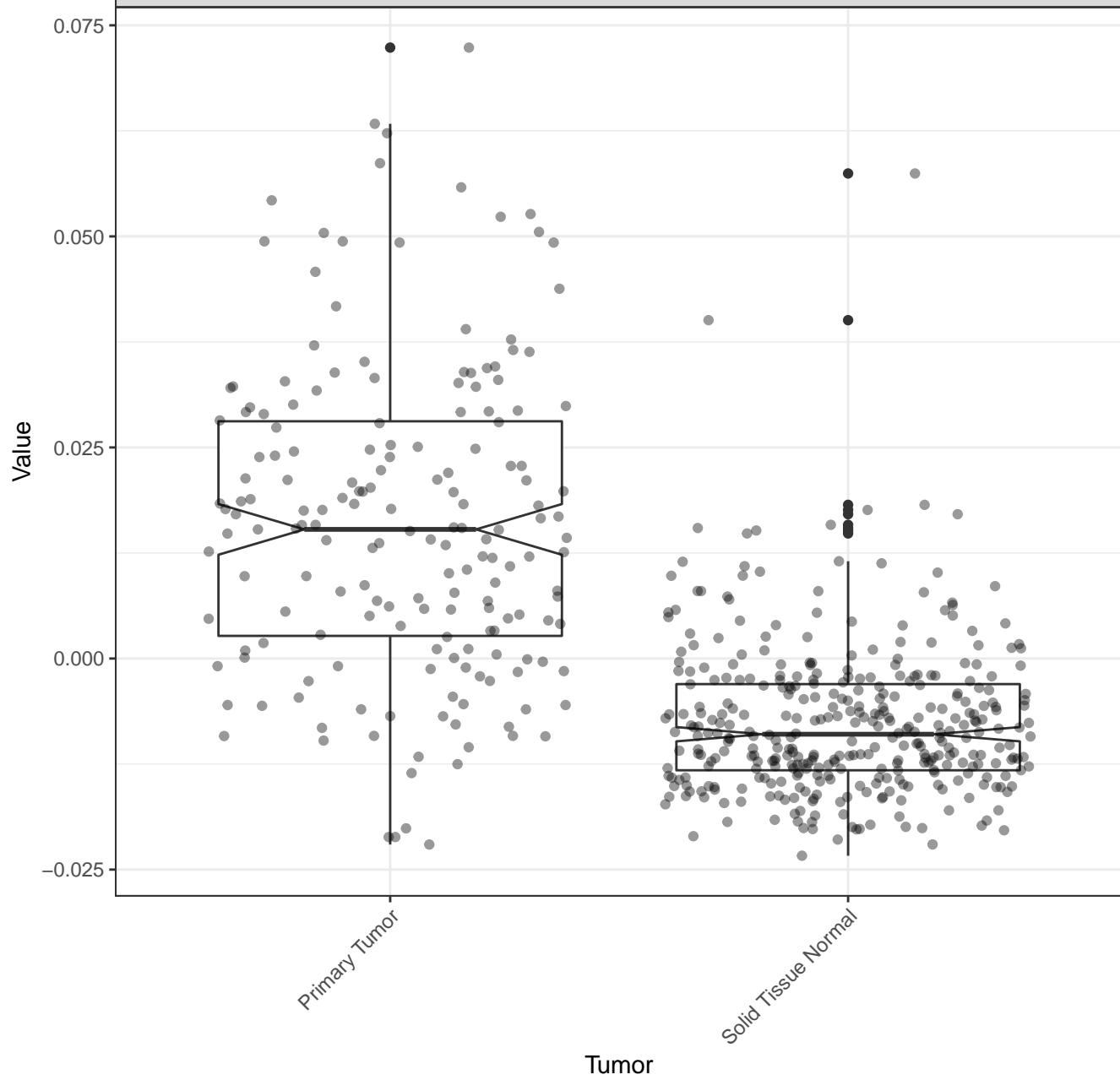
103,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



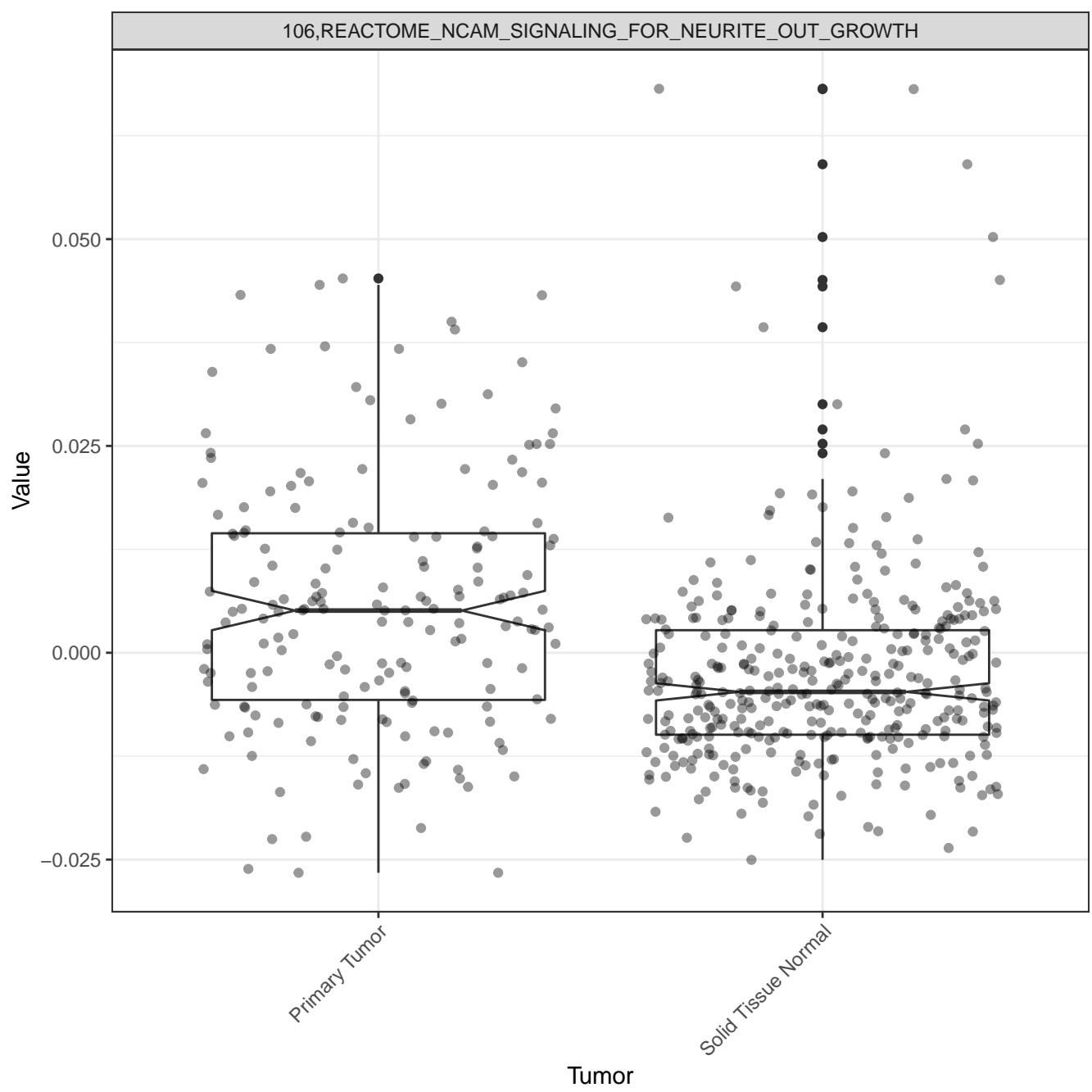
104,SVM Mast cells resting



105,PID_ECADHERIN_STABILIZATION_PATHWAY



106,REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH



107,REACTOME_SR_P_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE

Value

0.10

0.05

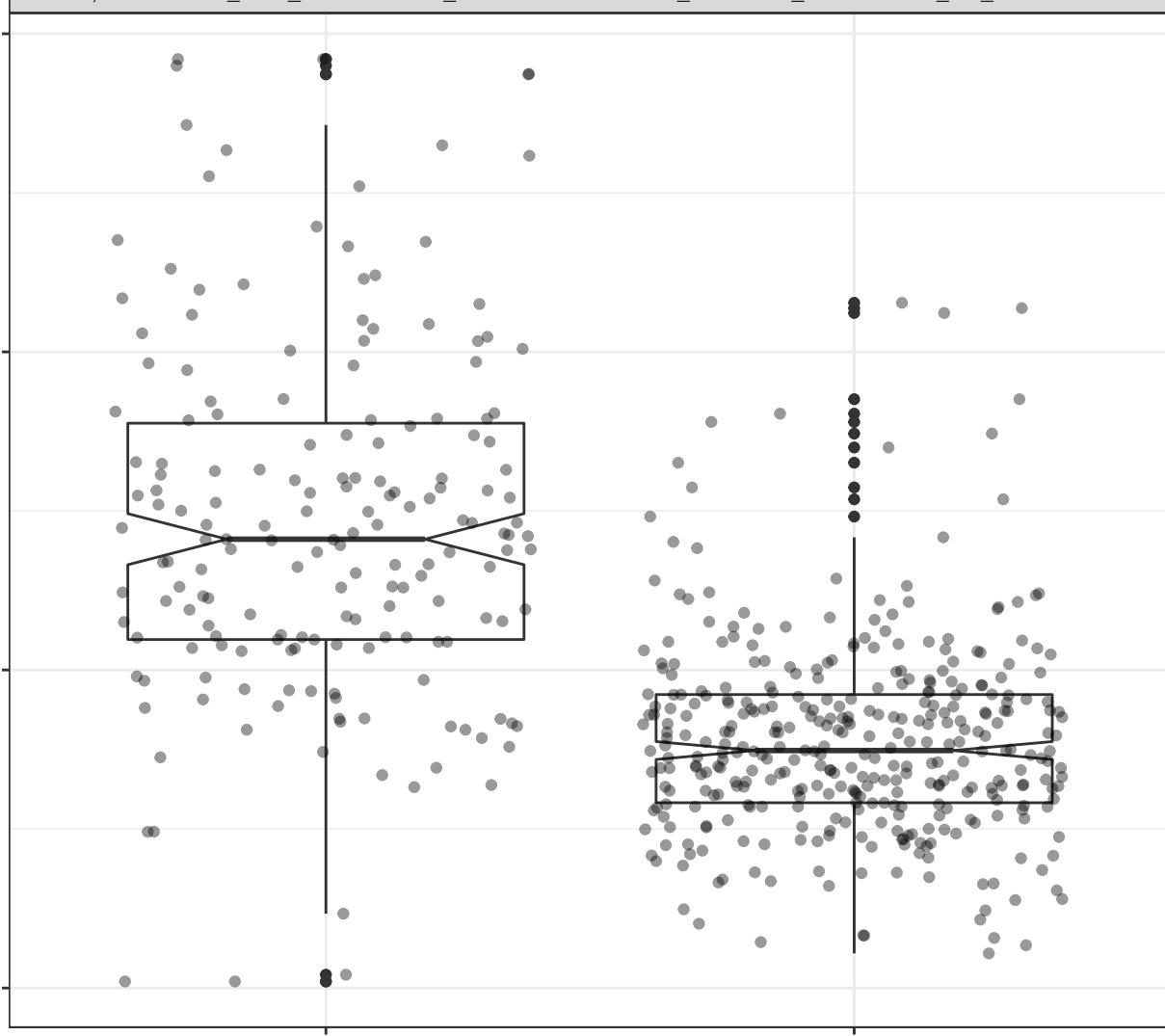
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



108,REACTOME_MRNA_SPLICING

Value

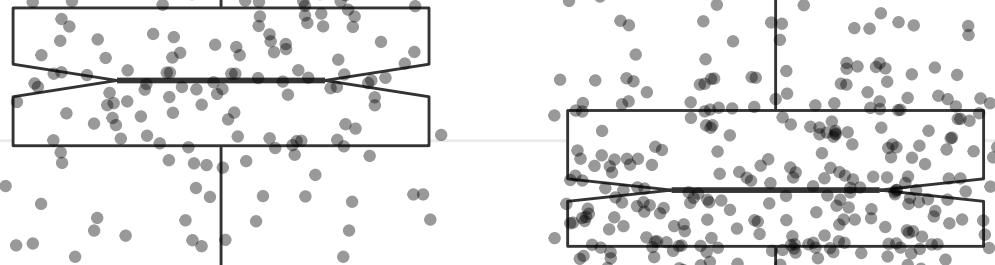
0.05

0.00

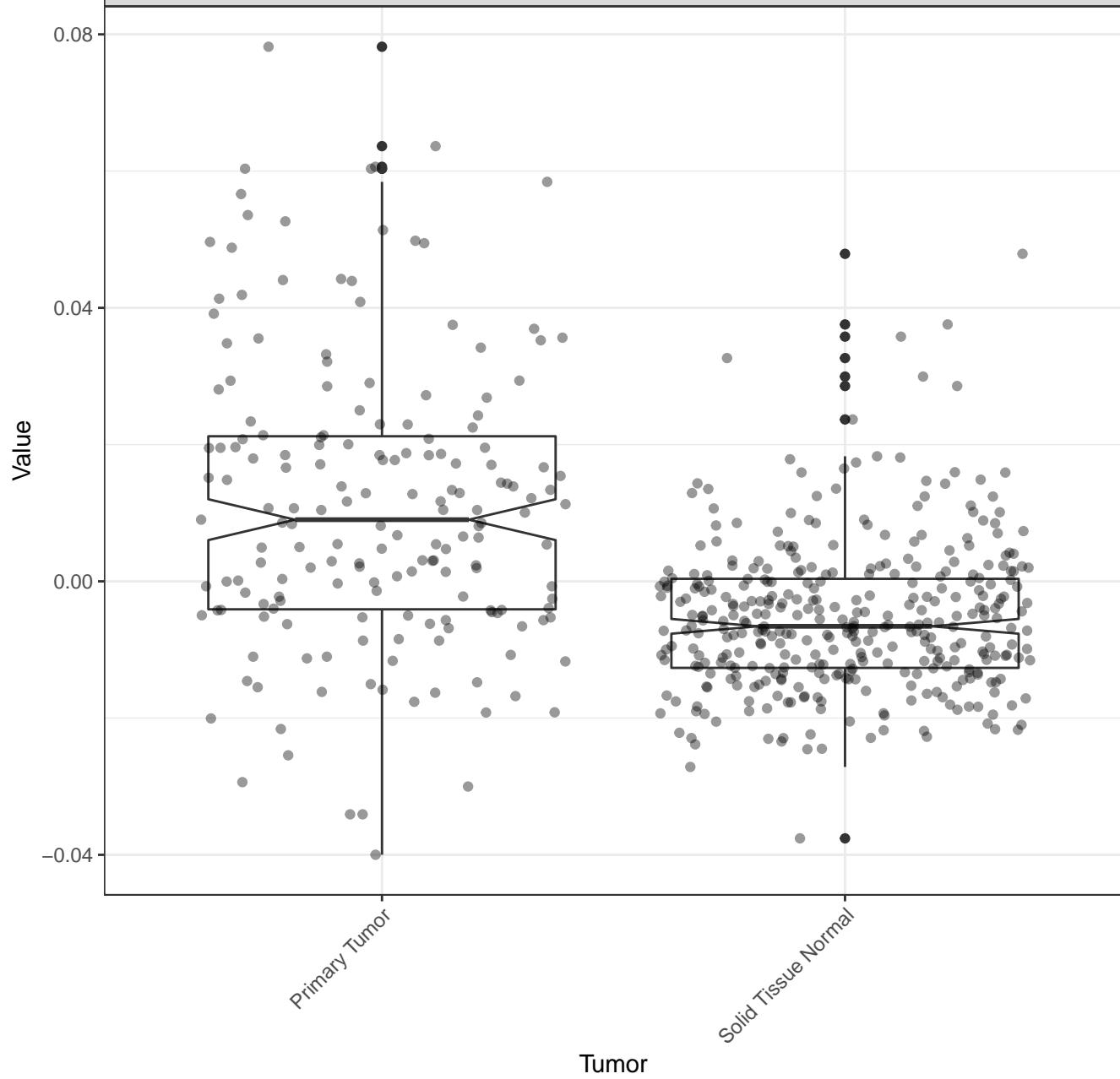
Primary Tumor

Solid Tissue Normal

Tumor



109,PID_ERBB1_DOWNSTREAM_PATHWAY



110,REACTOME_PROCESSING_OF_CAPPED_INTRON_CONTAINING_PRE_MRNA

Value

0.08

0.04

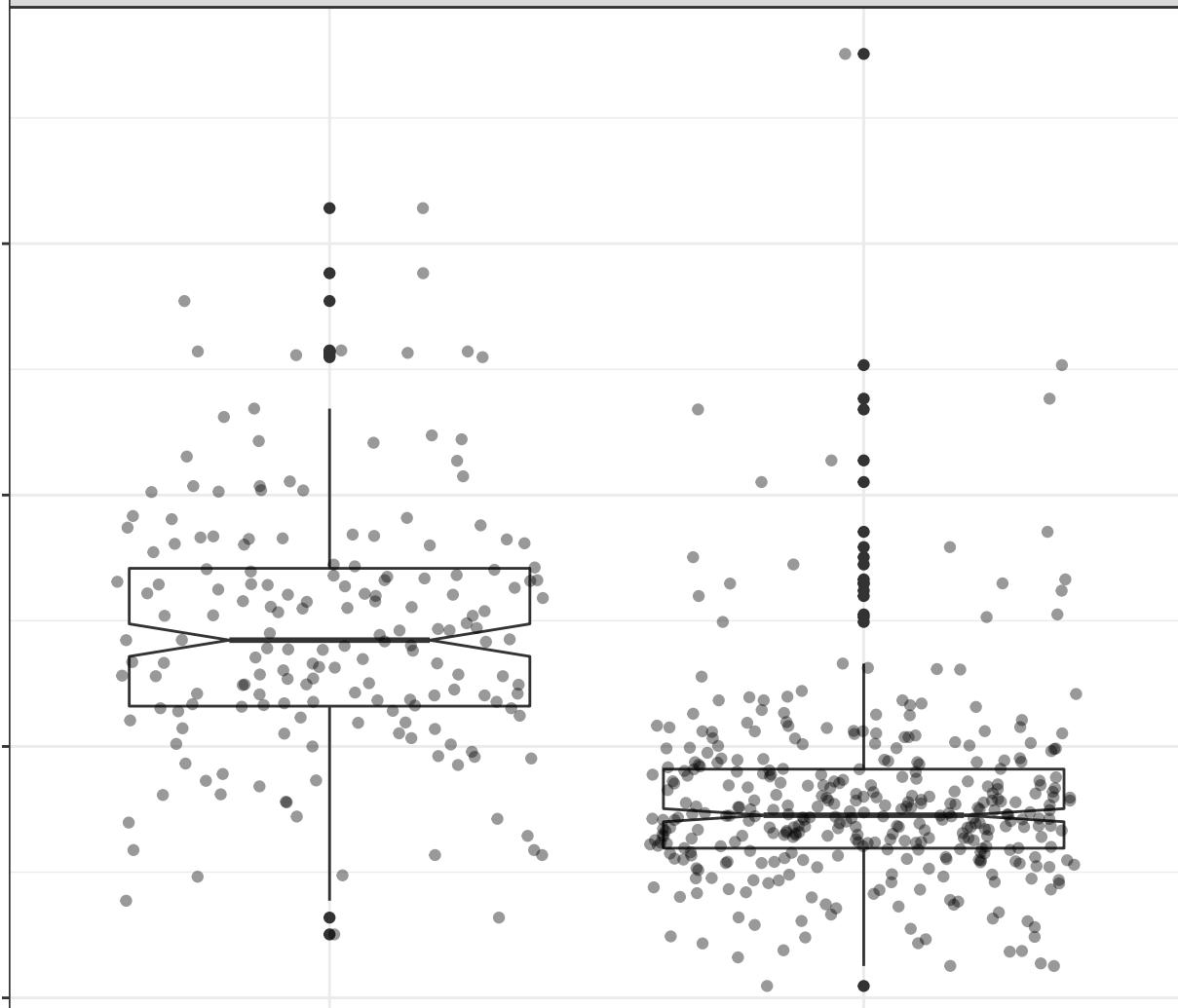
0.00

-0.04

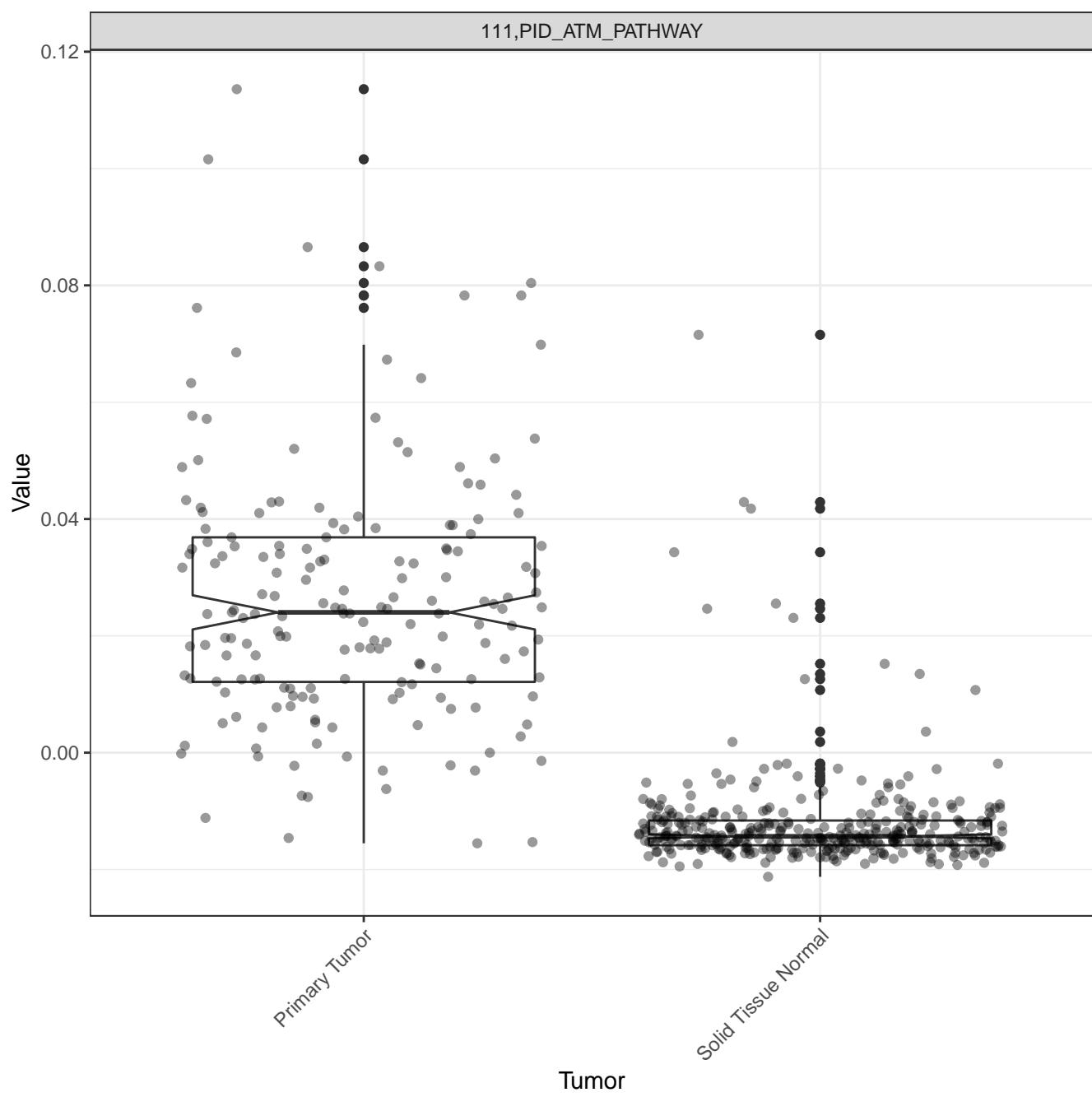
Primary Tumor

Solid Tissue Normal

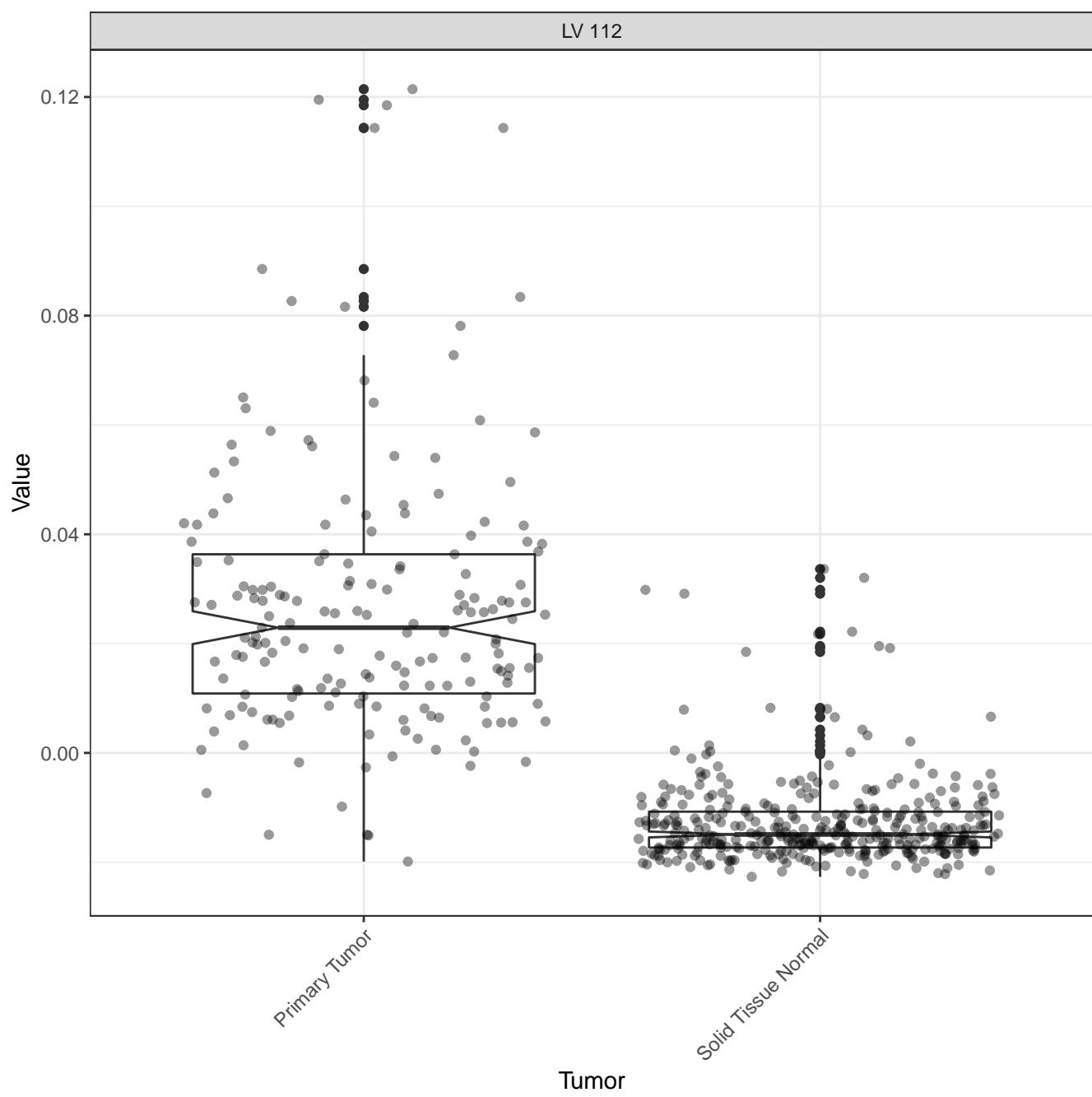
Tumor



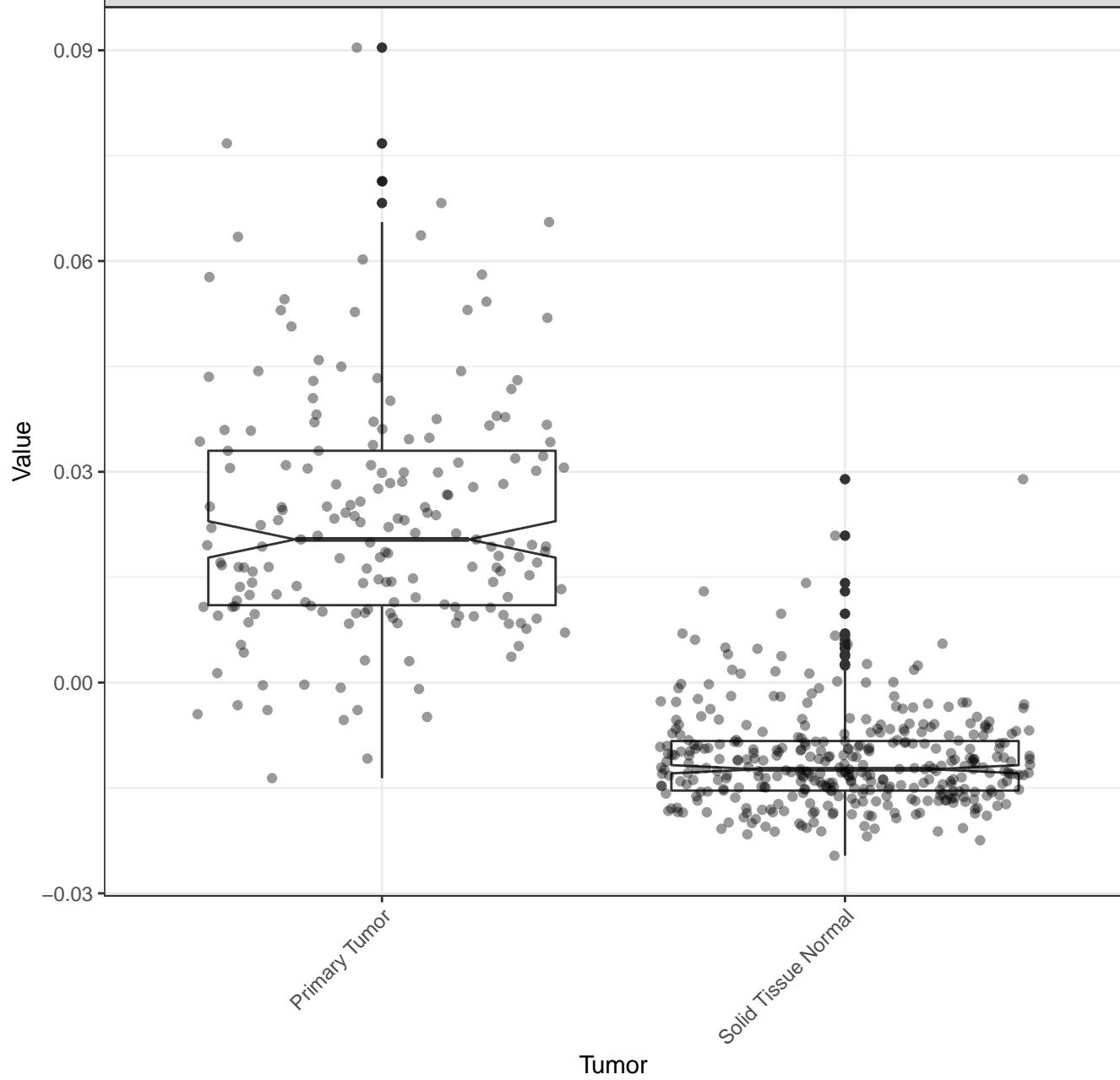
111,PID_ATM_PATHWAY



LV 112

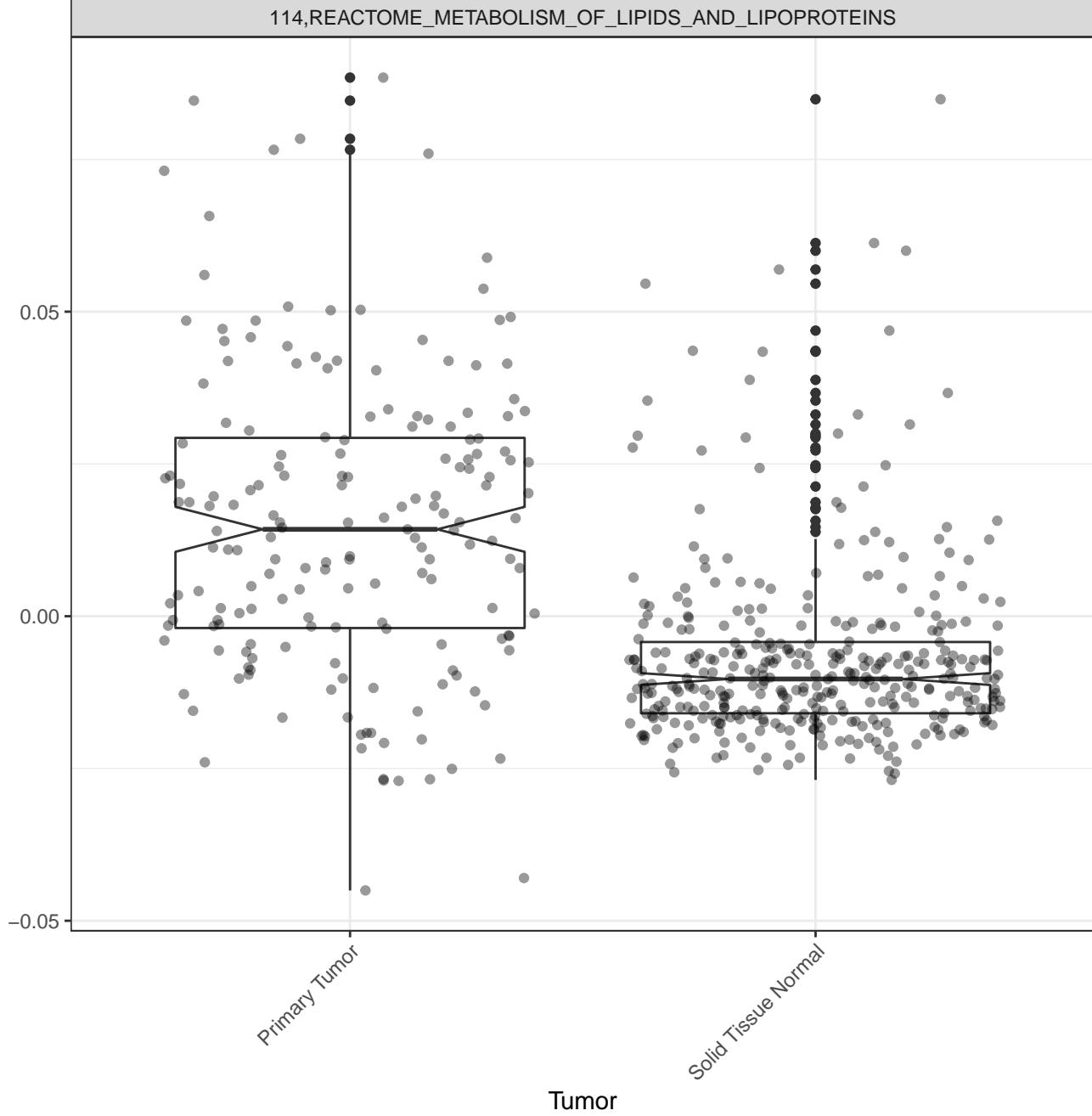


113,REACTOME_METABOLISM_OF_RNA

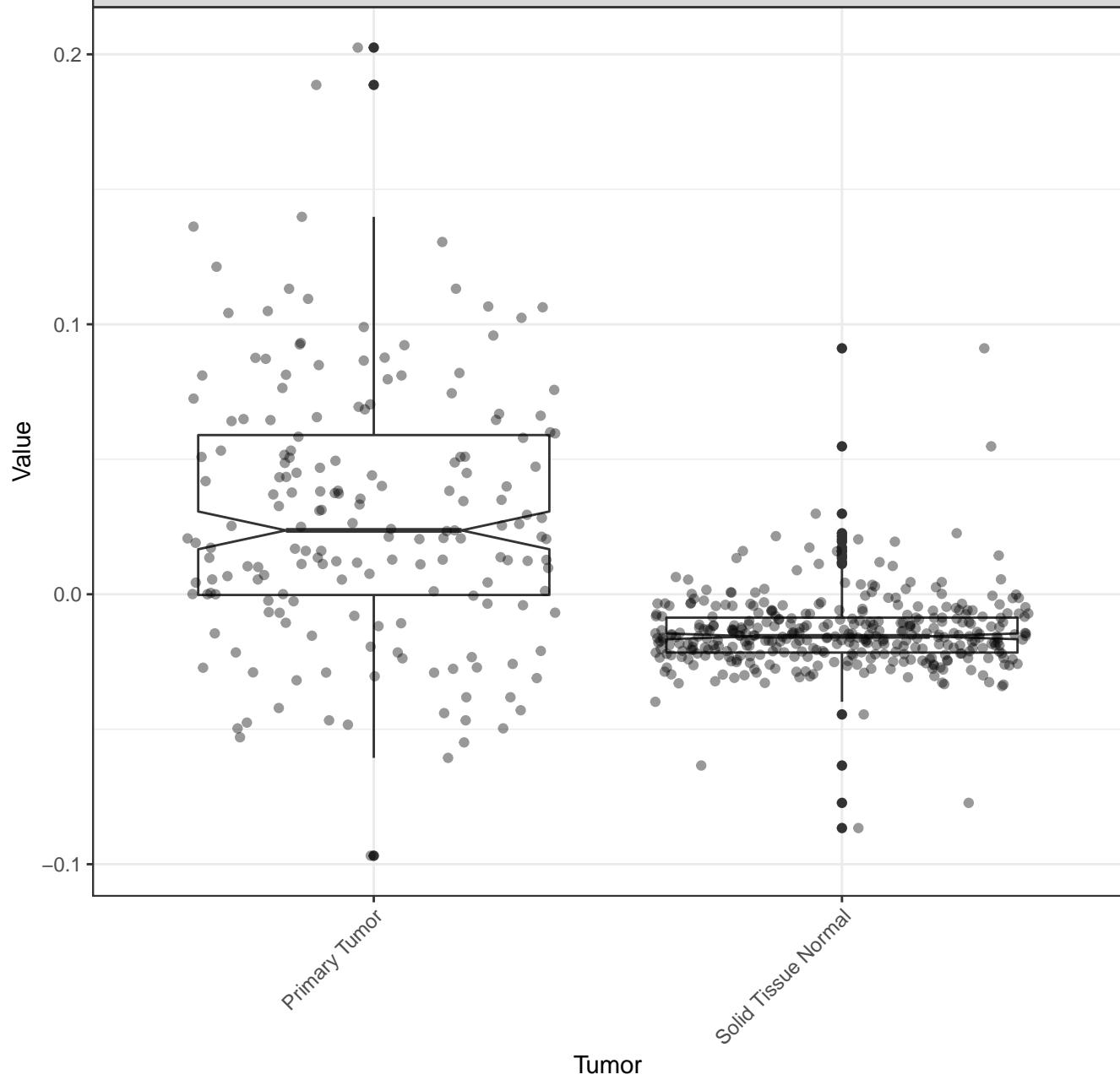


114,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

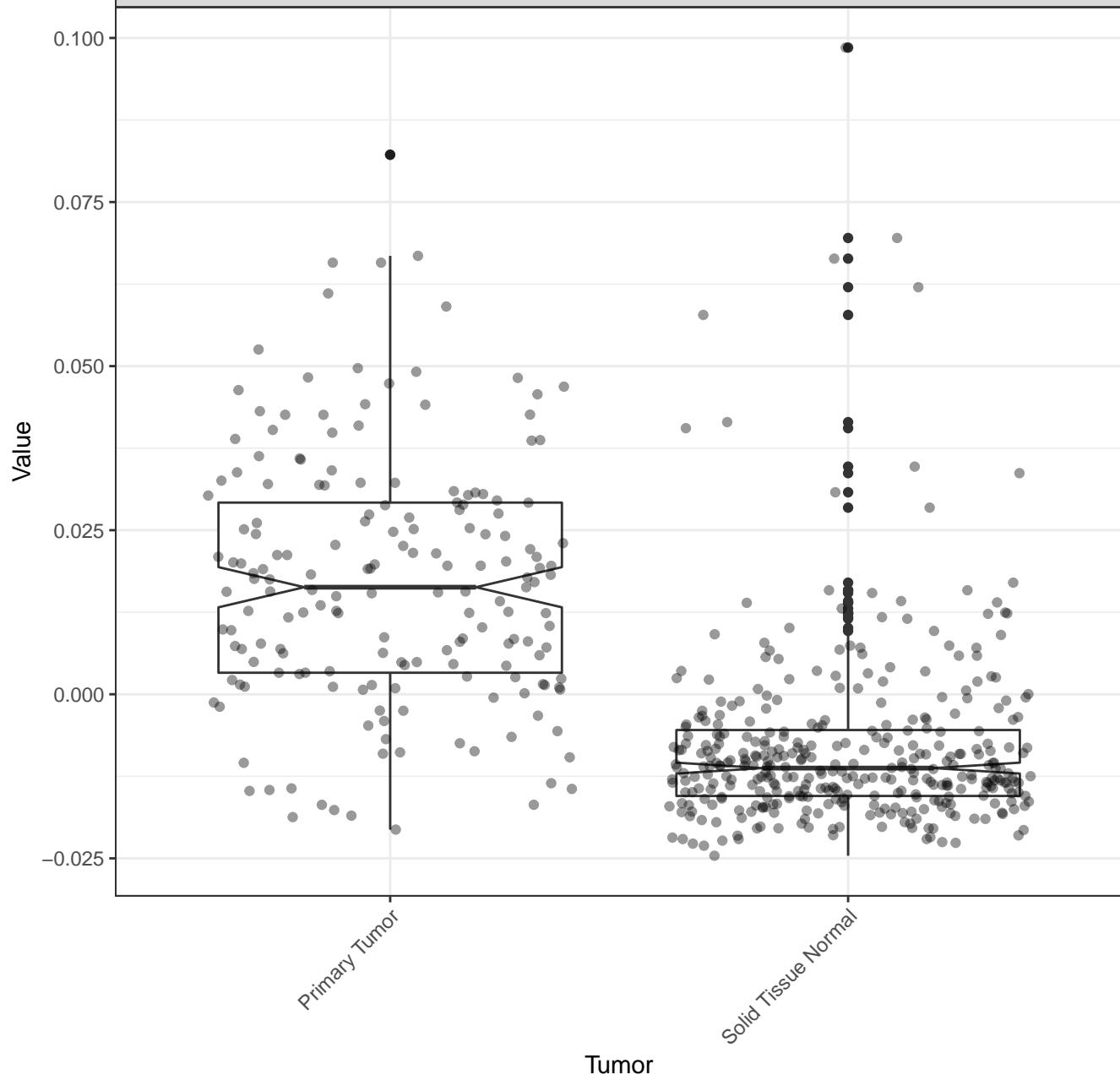
Value



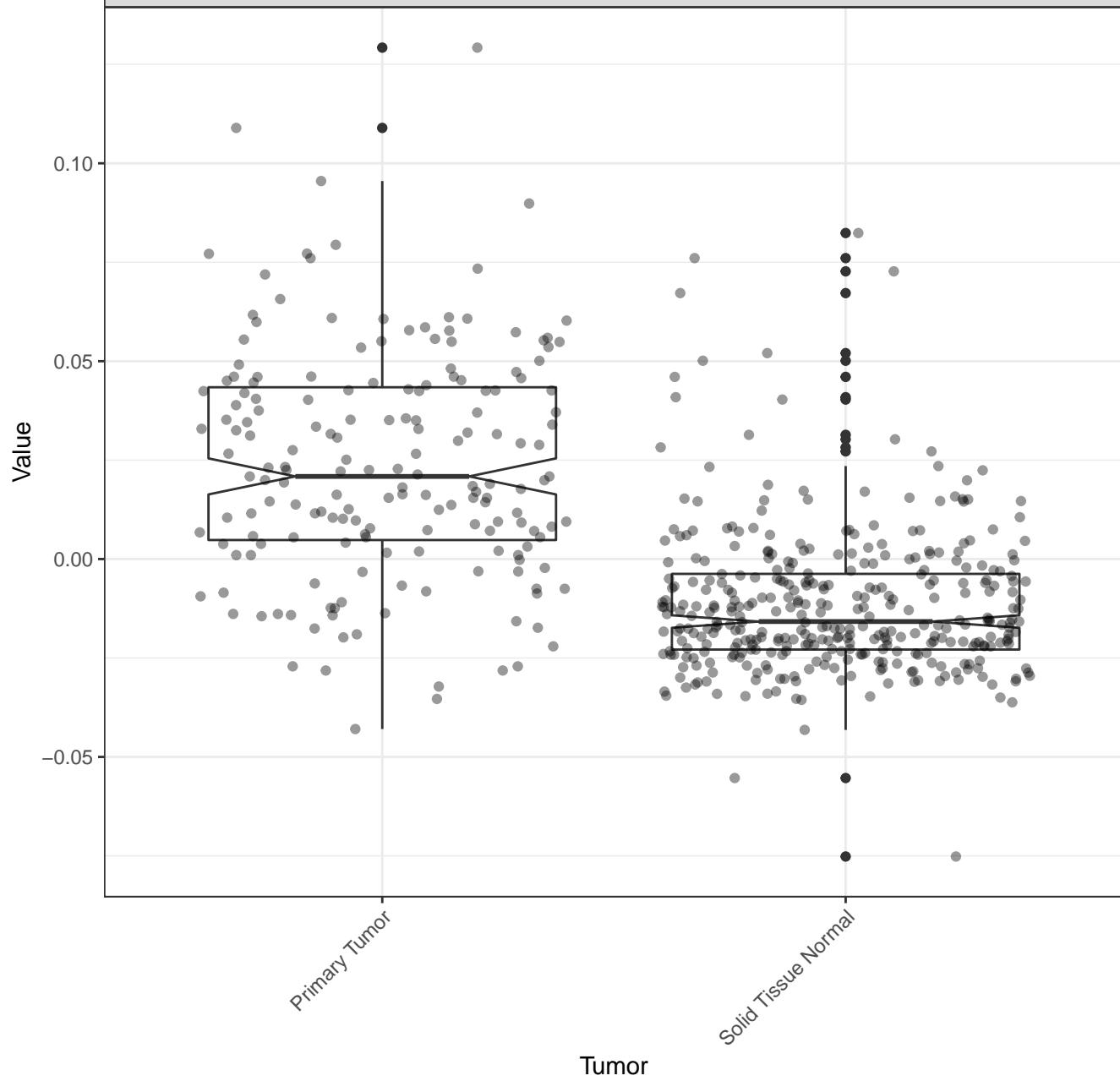
115,IRIS_Neutrophil–Resting



116,KEGG_HEDGEHOG_SIGNALING_PATHWAY



117,REACTOME_MRNA_PROCESSING



118,KEGG_CELL_CYCLE

Value

0.15

0.10

0.05

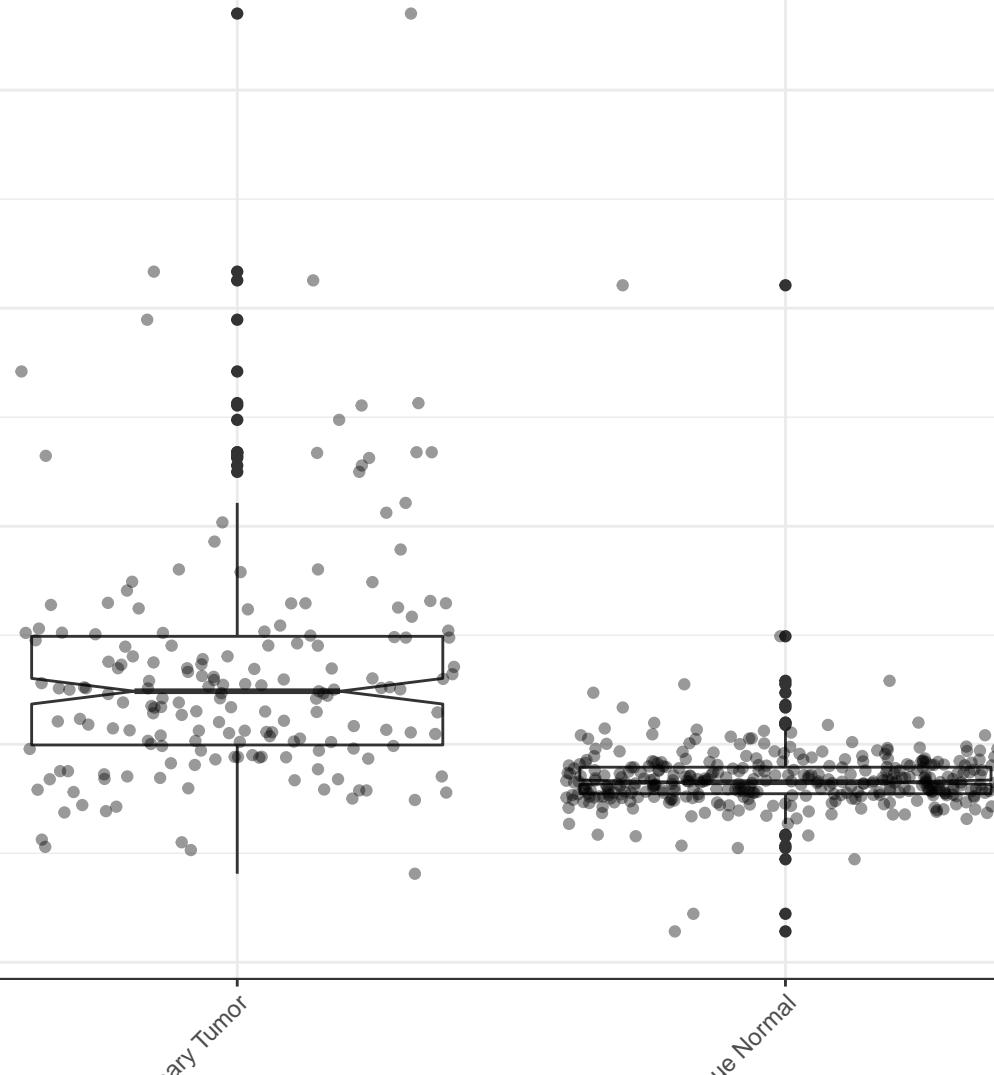
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.10

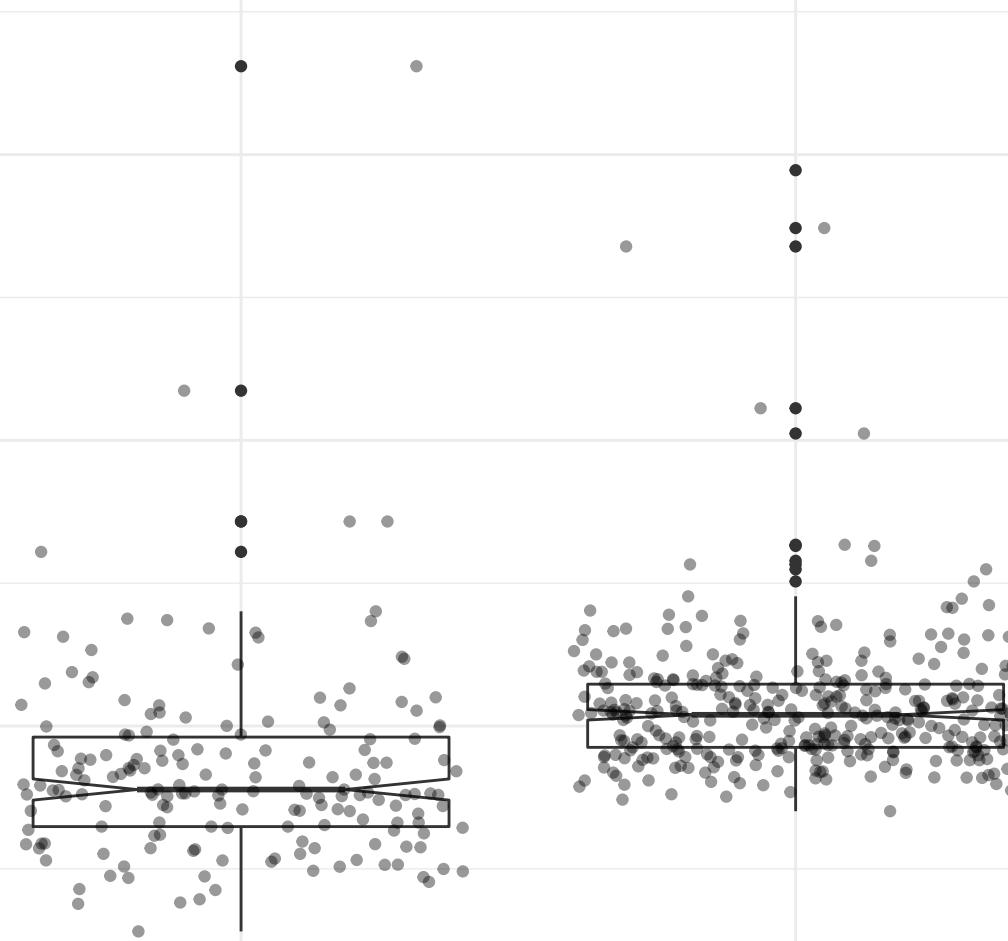
0.05

0.00

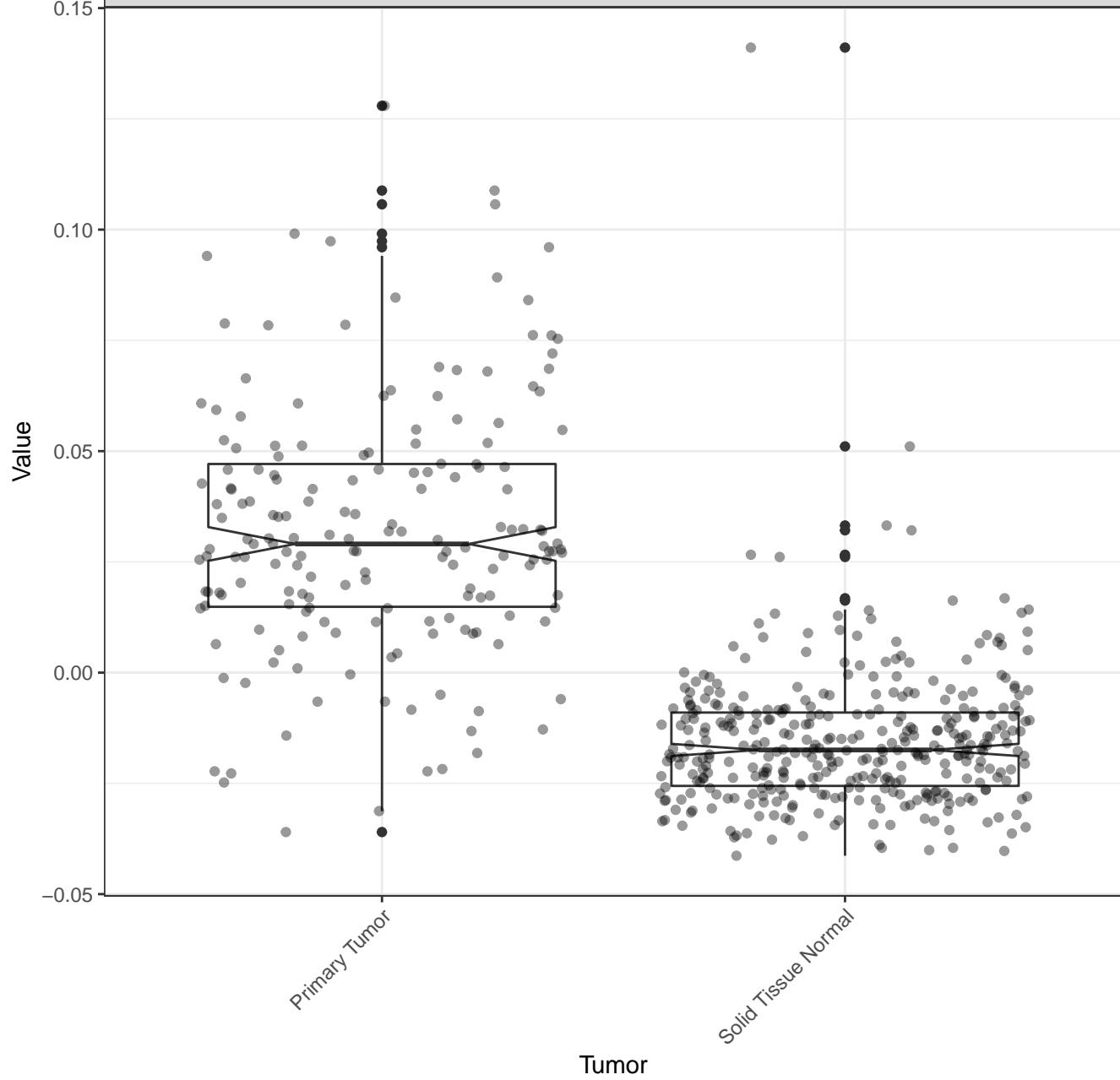
Primary Tumor

Solid Tissue Normal

Tumor



120,KEGG_PARKINSONS_DISEASE



LV 121

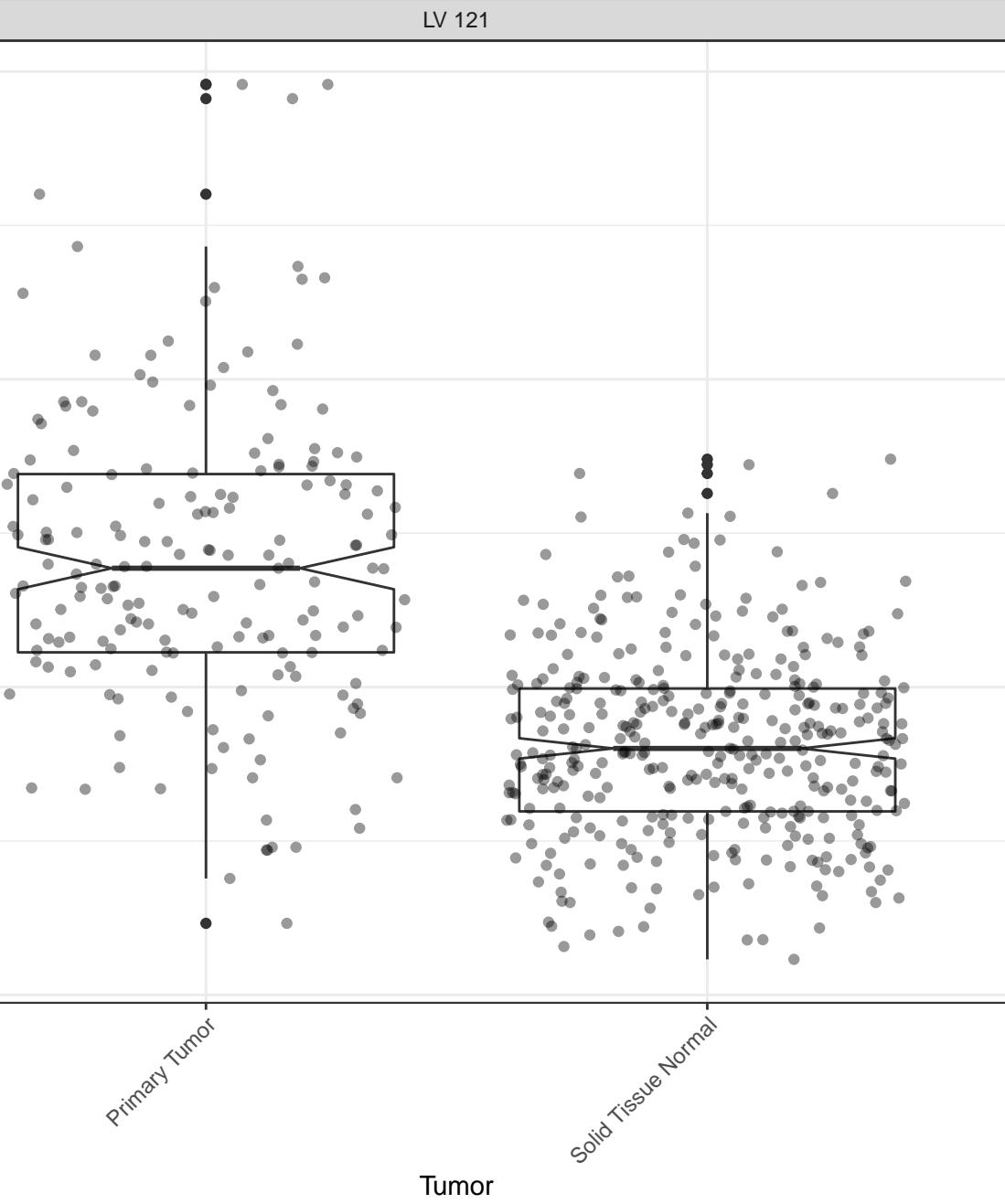
Value

0.08
0.04
0.00
-0.04

Primary Tumor

Solid Tissue Normal

Tumor



122,REACTOME DEVELOPMENTAL_BIOLOGY

Value

0.050

0.025

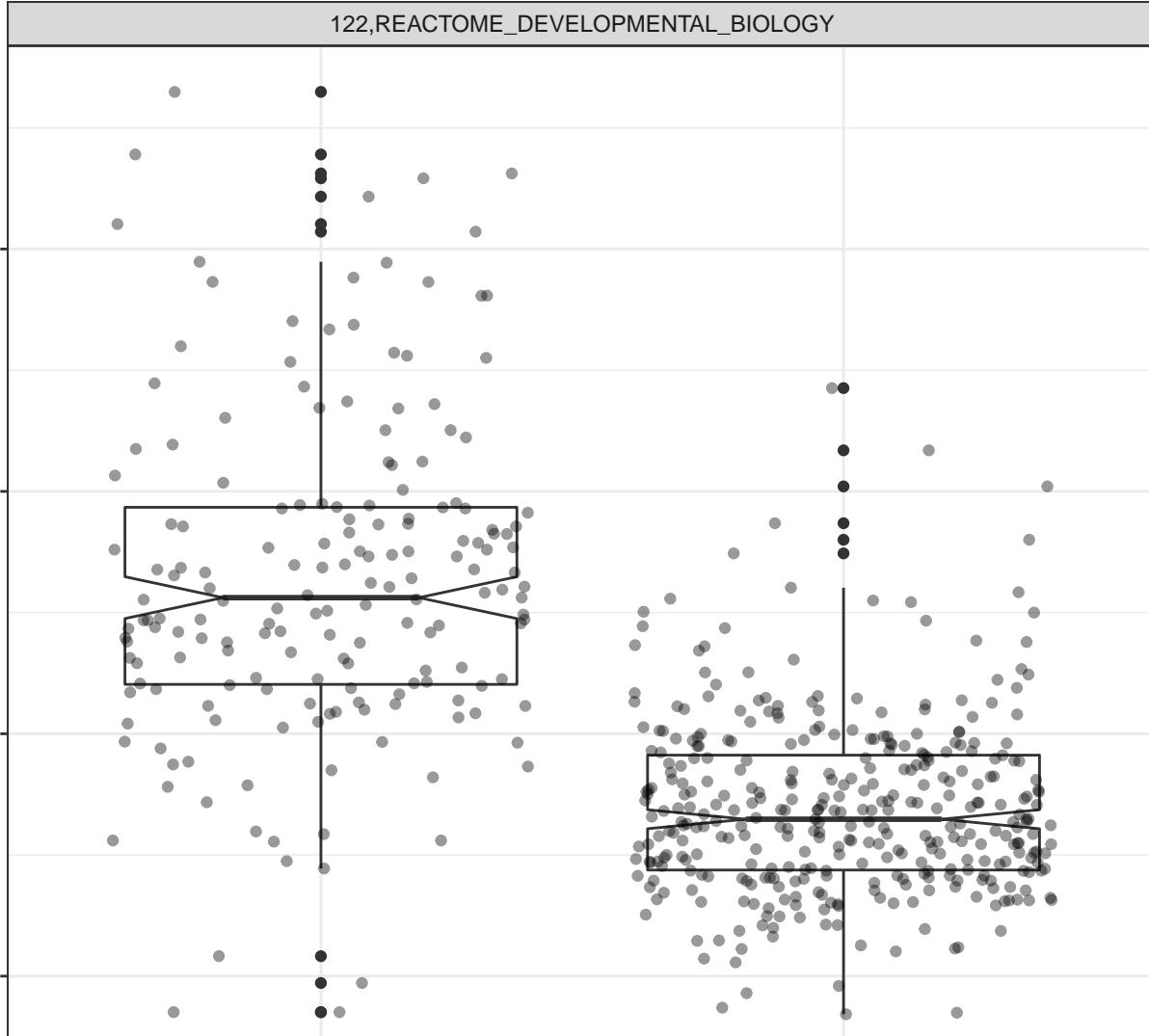
0.000

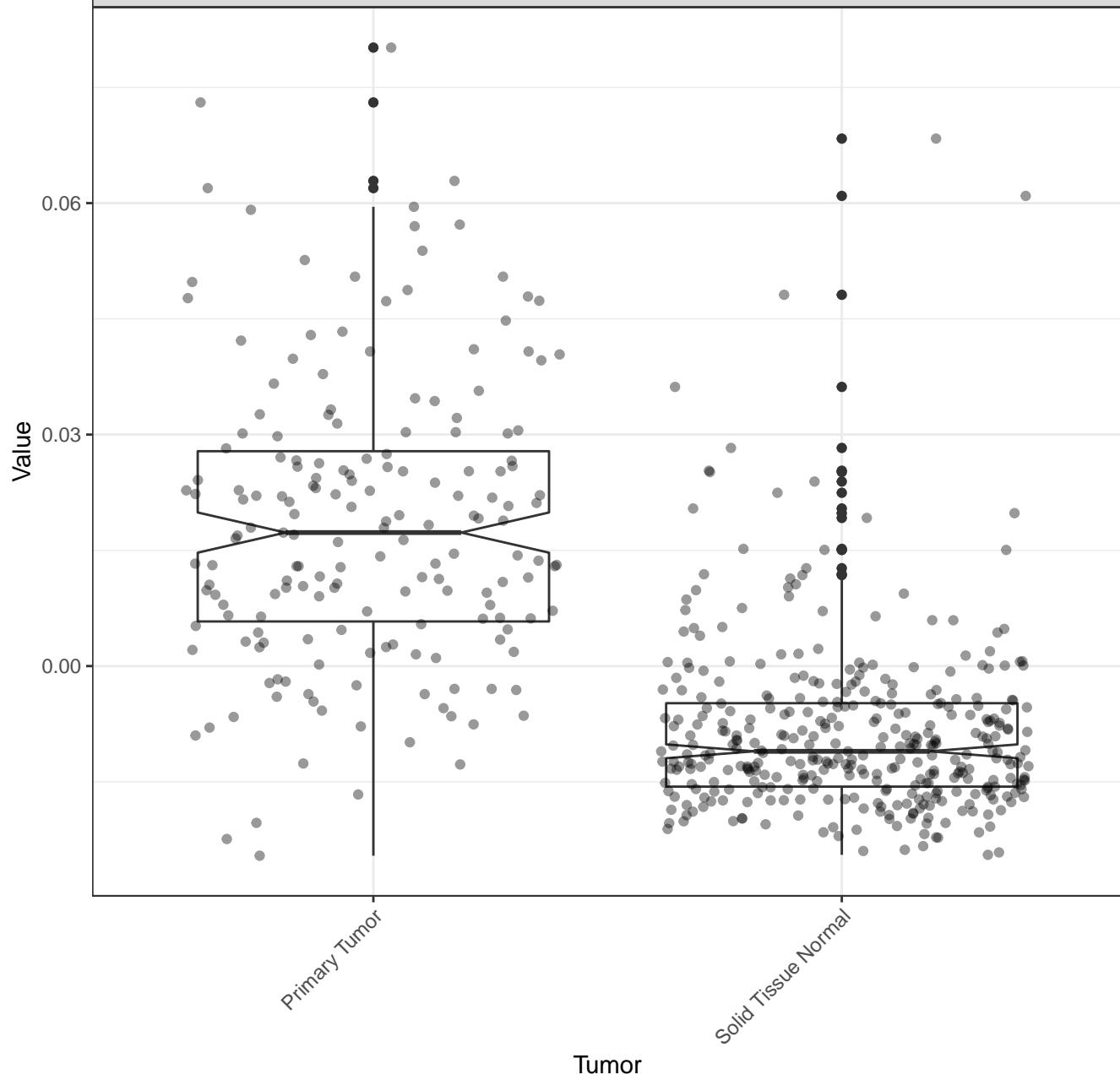
-0.025

Primary Tumor

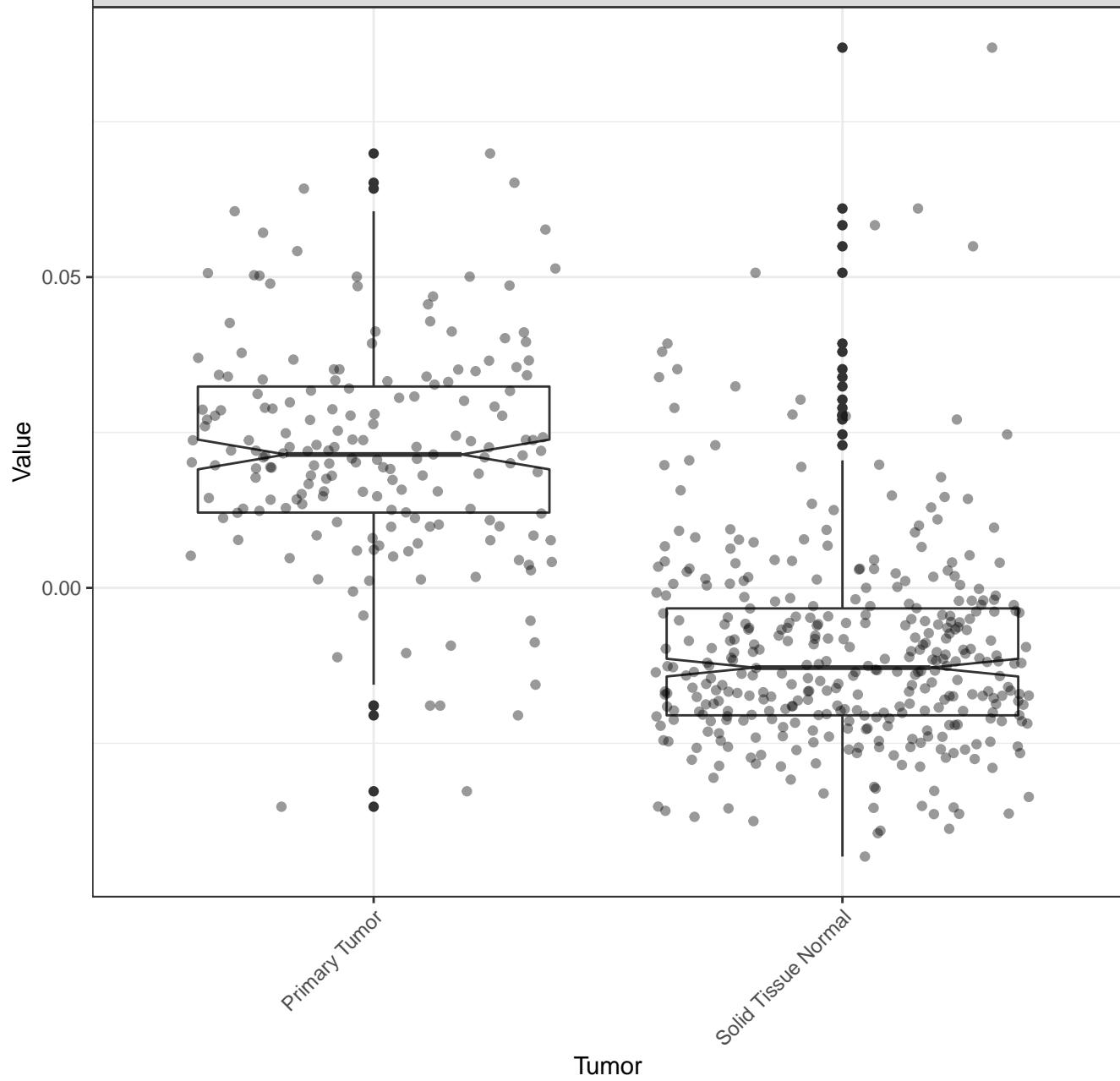
Solid Tissue Normal

Tumor

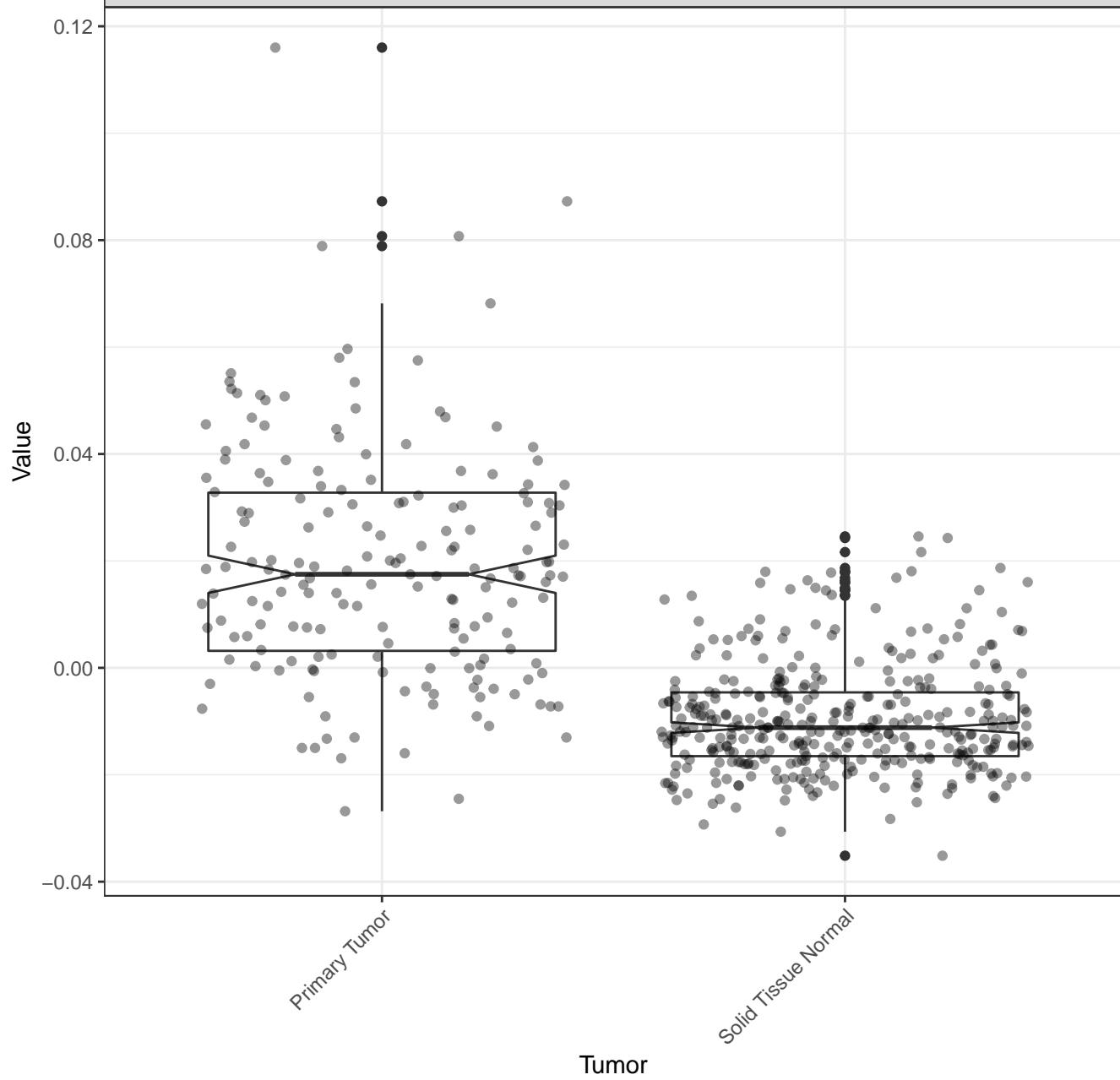


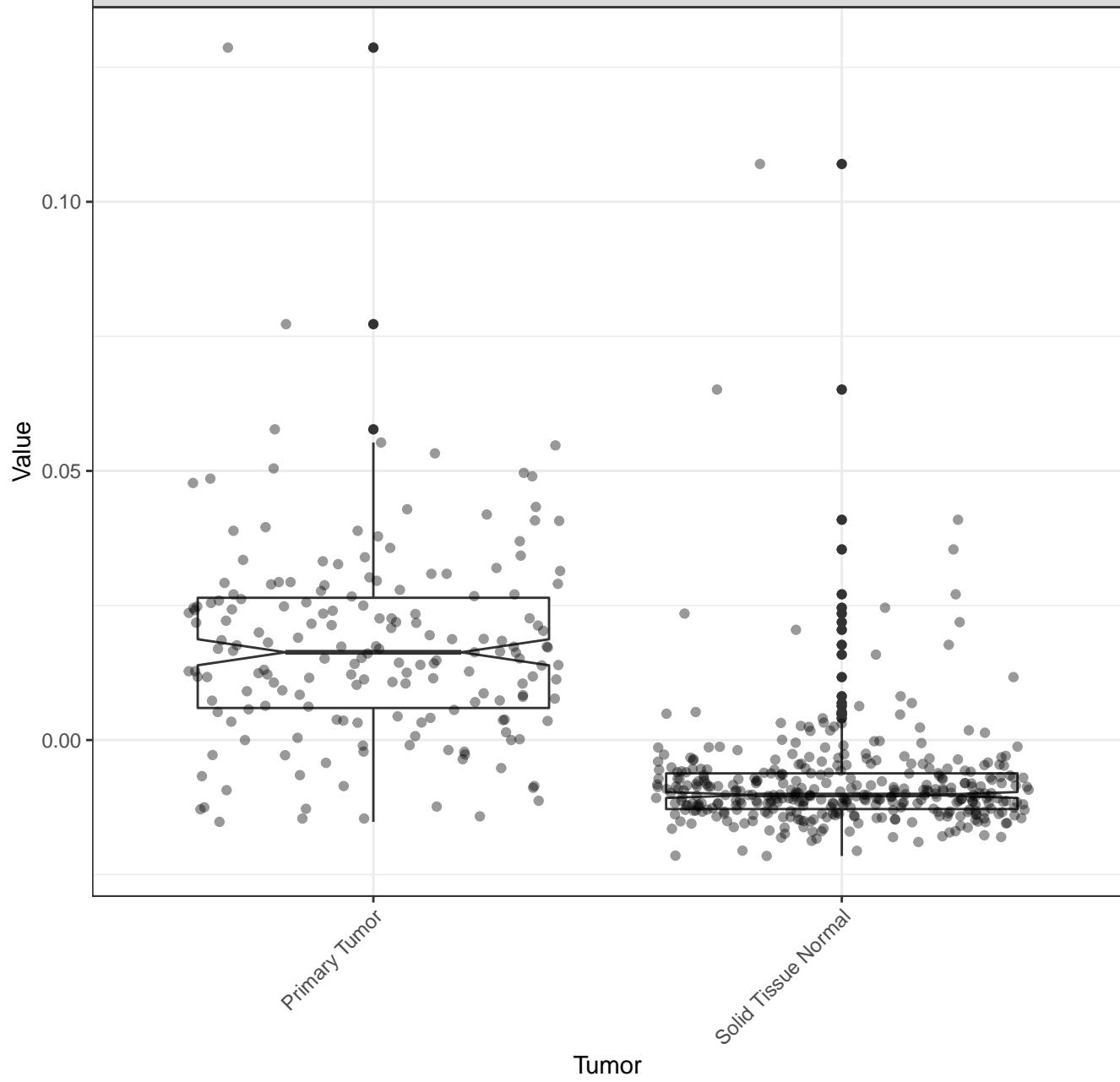


124,REACTOME_DEADENYLATION_DEPENDENT_MRNA_DECAY



125,REACTOME_PHOSPHOLIPID_METABOLISM





127,KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION

Value

0.20

0.15

0.10

0.05

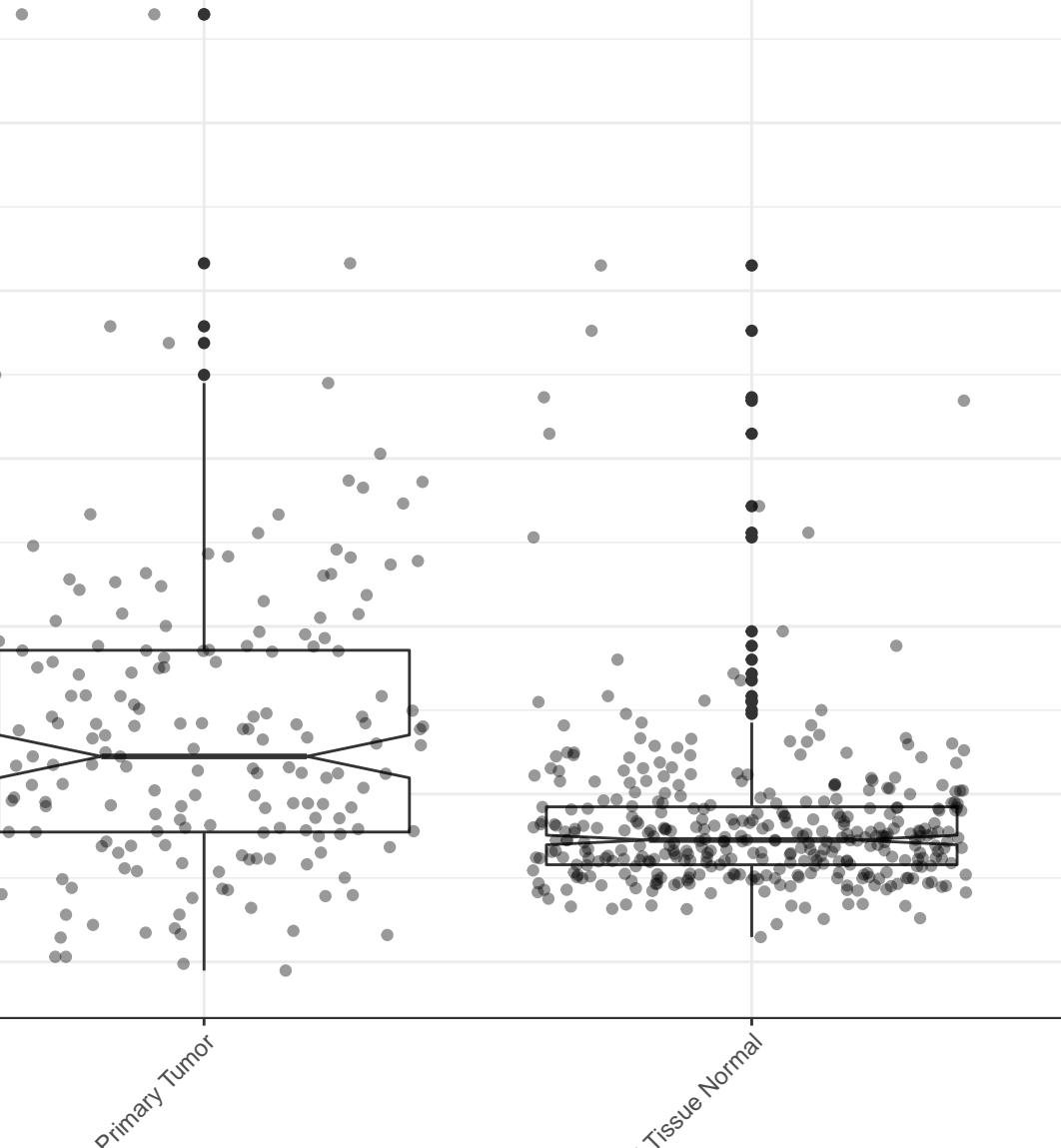
0.00

-0.05

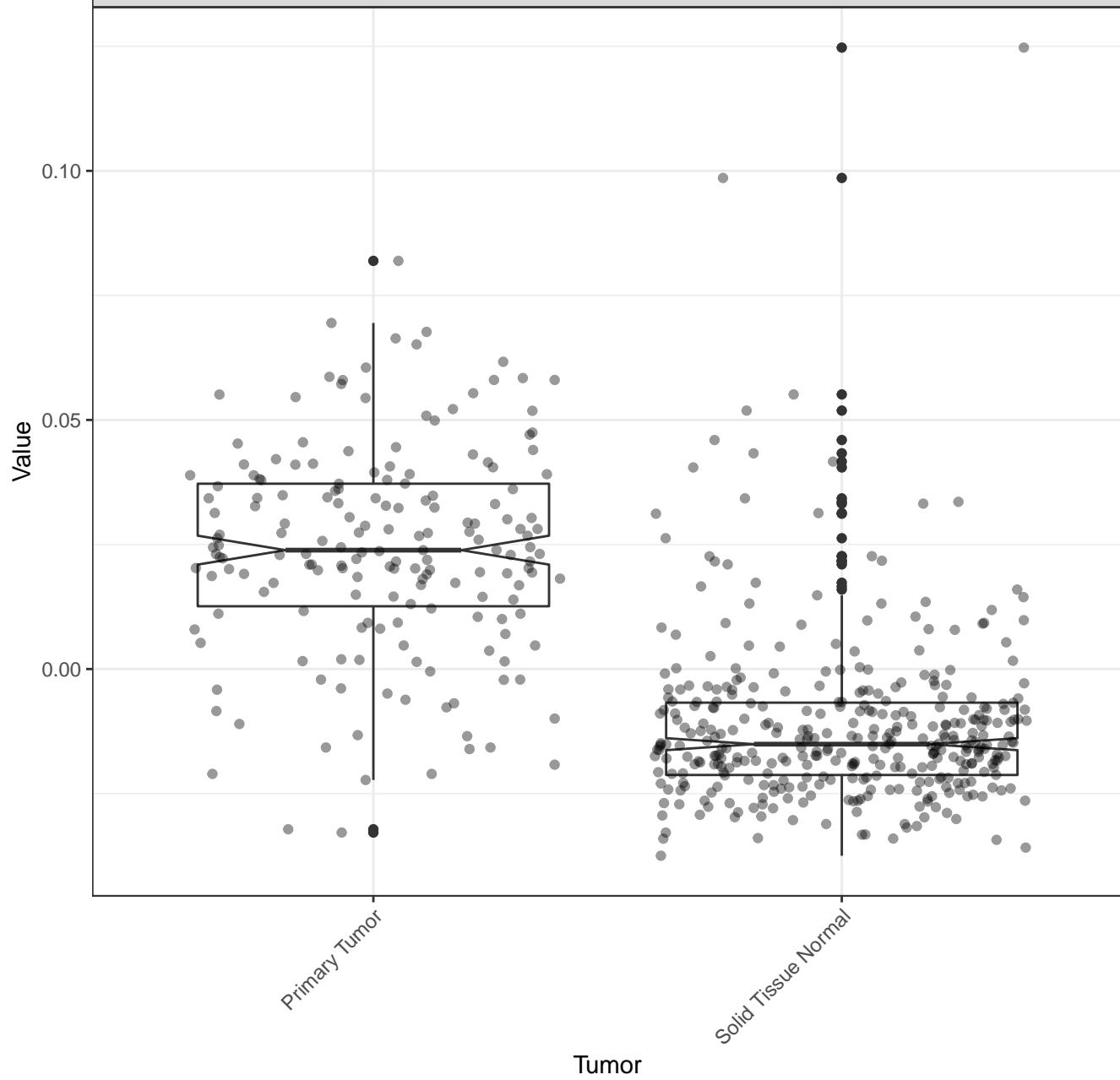
Primary Tumor

Solid Tissue Normal

Tumor



128,KEGG_PURINE_METABOLISM



Value

0.050

0.025

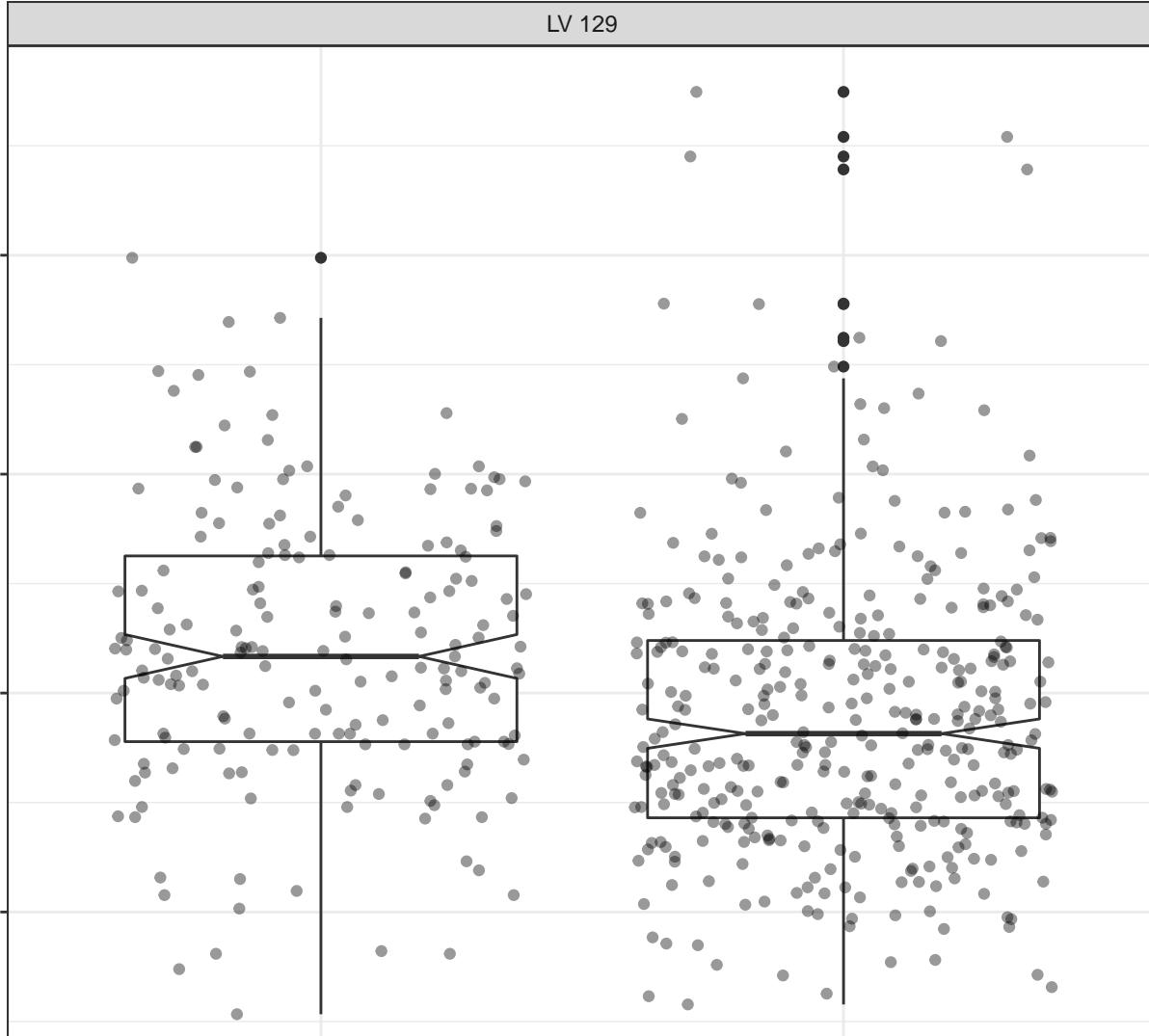
0.000

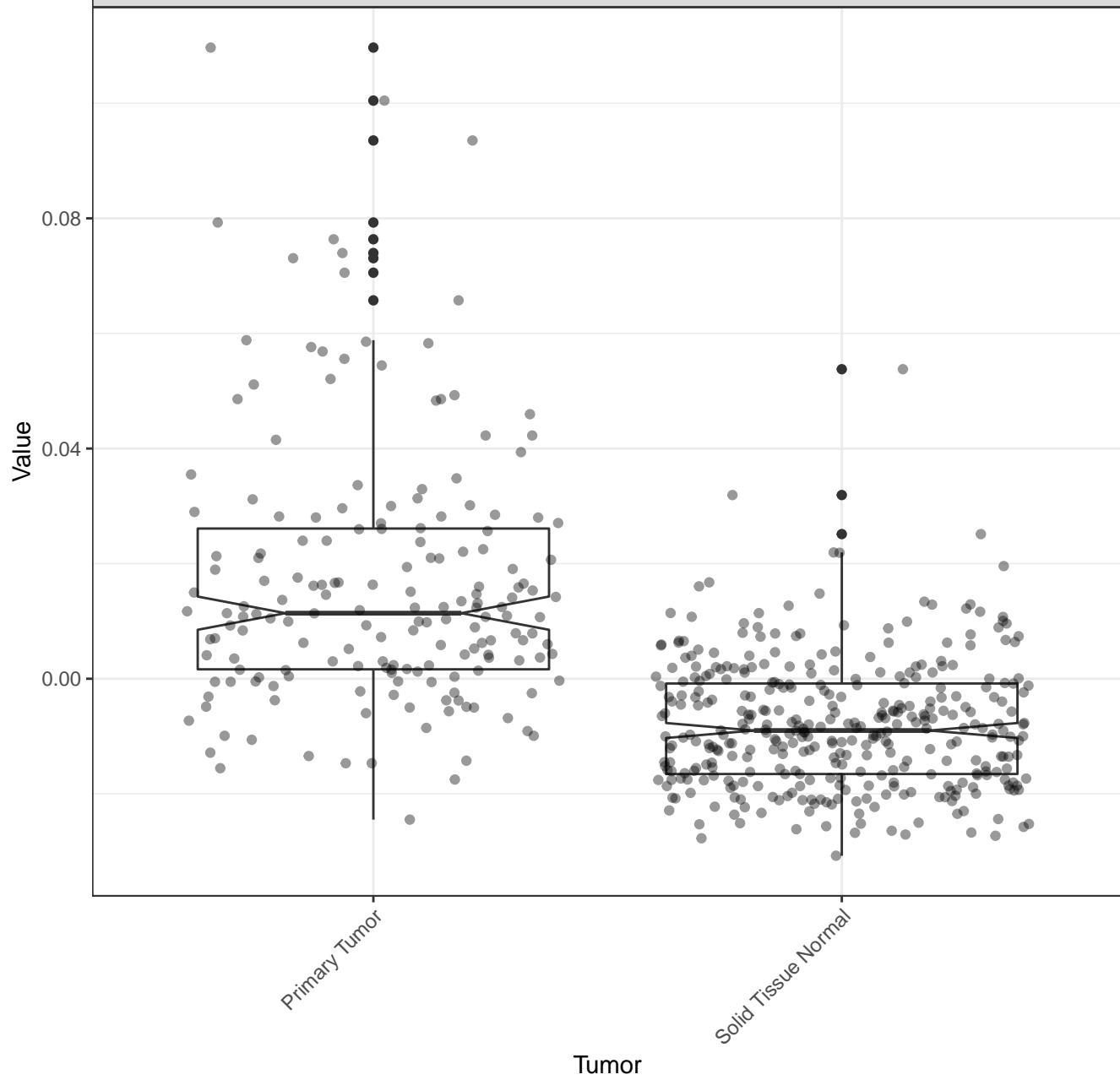
-0.025

Primary Tumor

Solid Tissue Normal

Tumor





131,REACTOME_OPIOID_SIGNALLING

Value

0.15

0.10

0.05

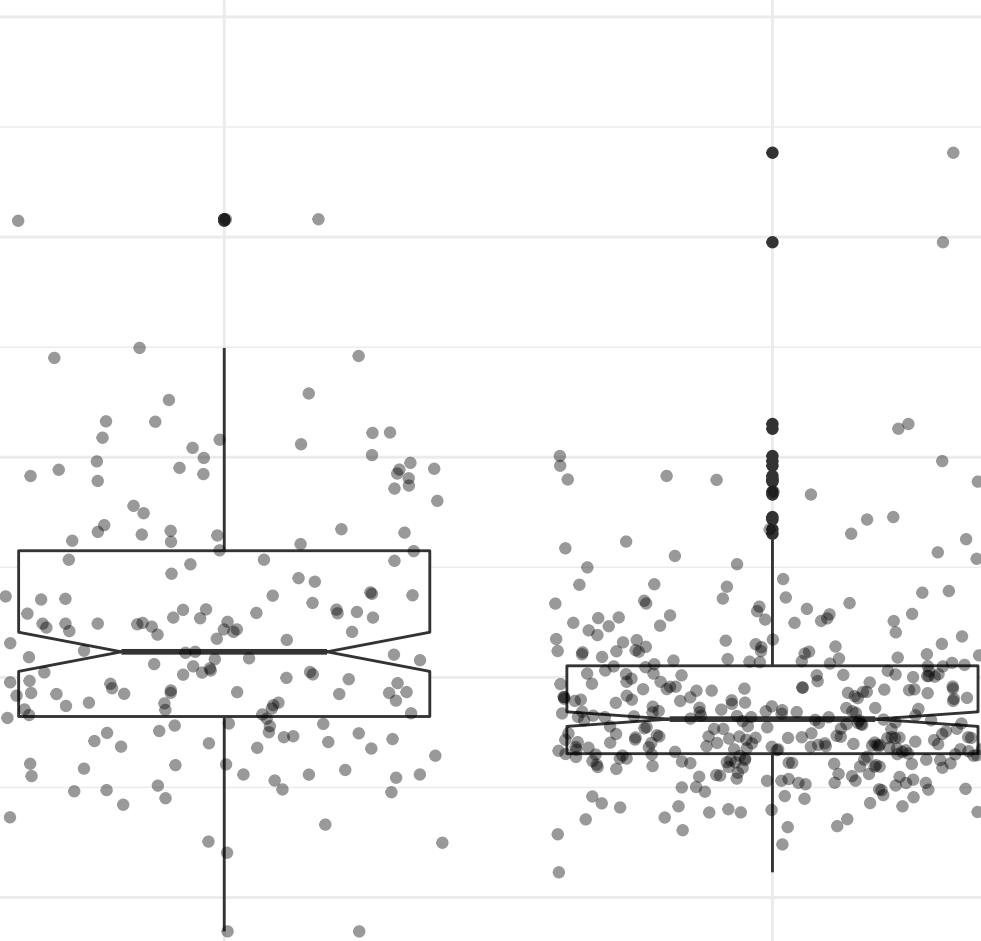
0.00

-0.05

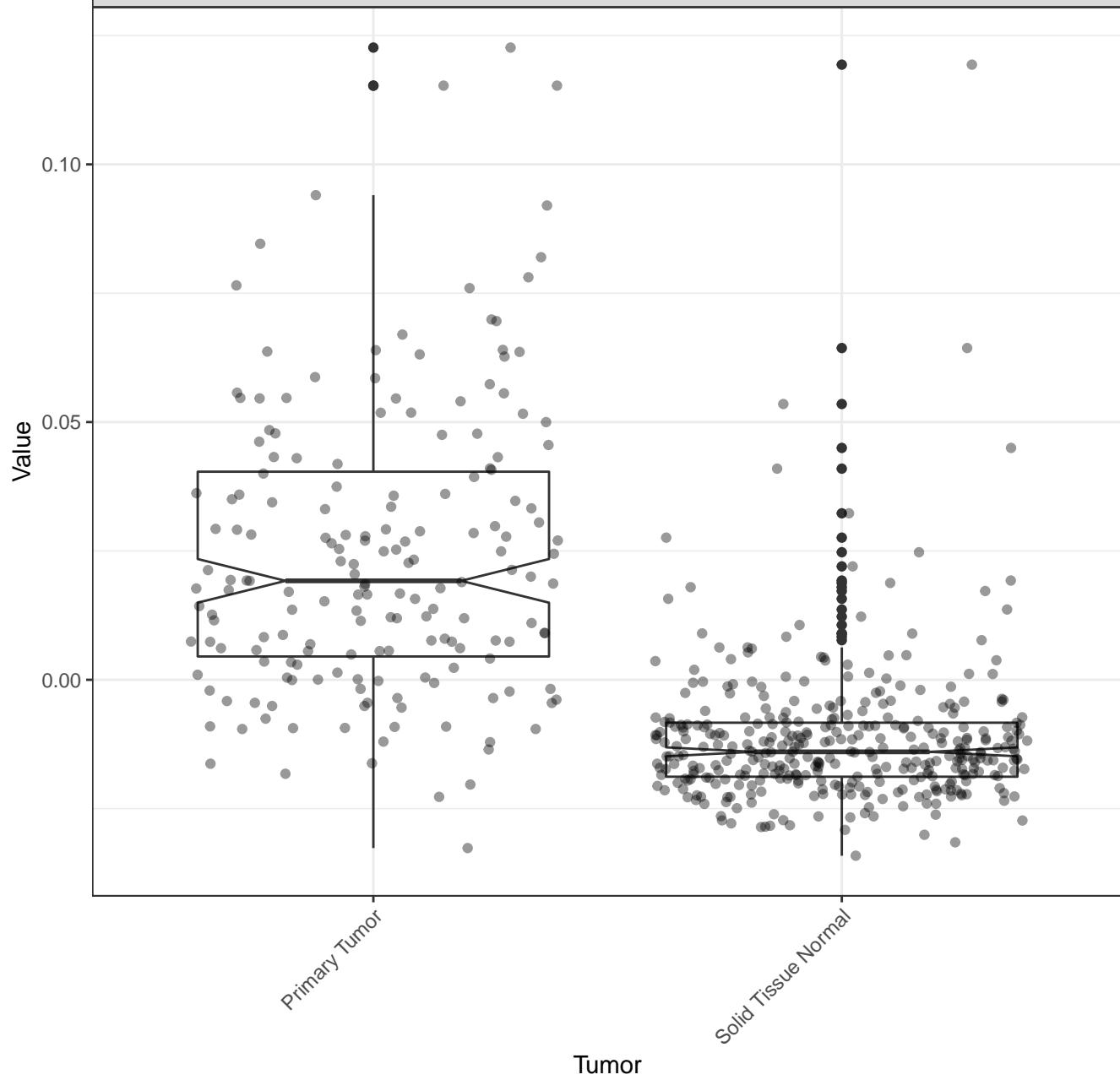
Primary Tumor

Solid Tissue Normal

Tumor



132,REACTOME_SIGNALING_BY_SCF_KIT



133,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES

Value

0.05

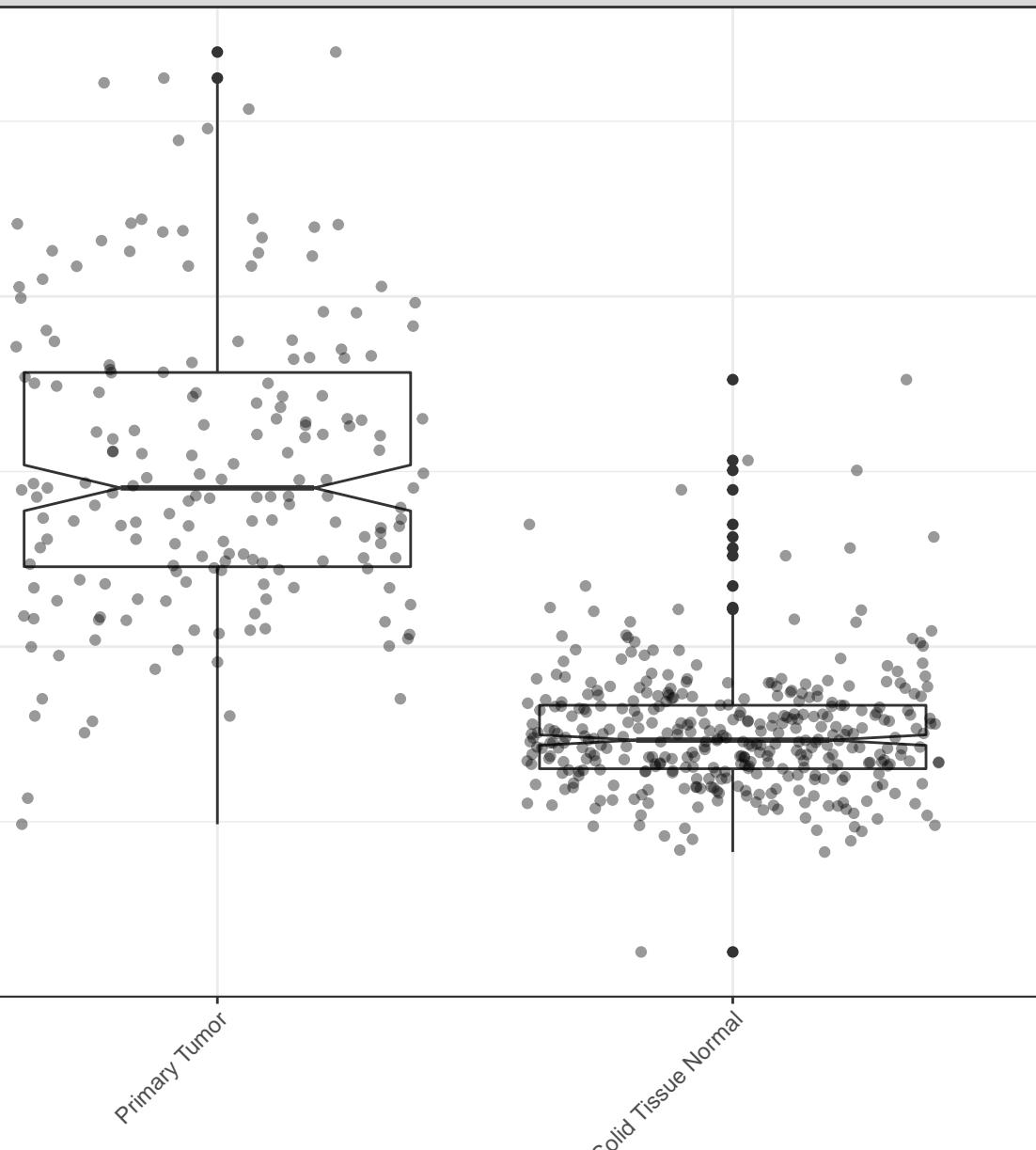
0.00

-0.05

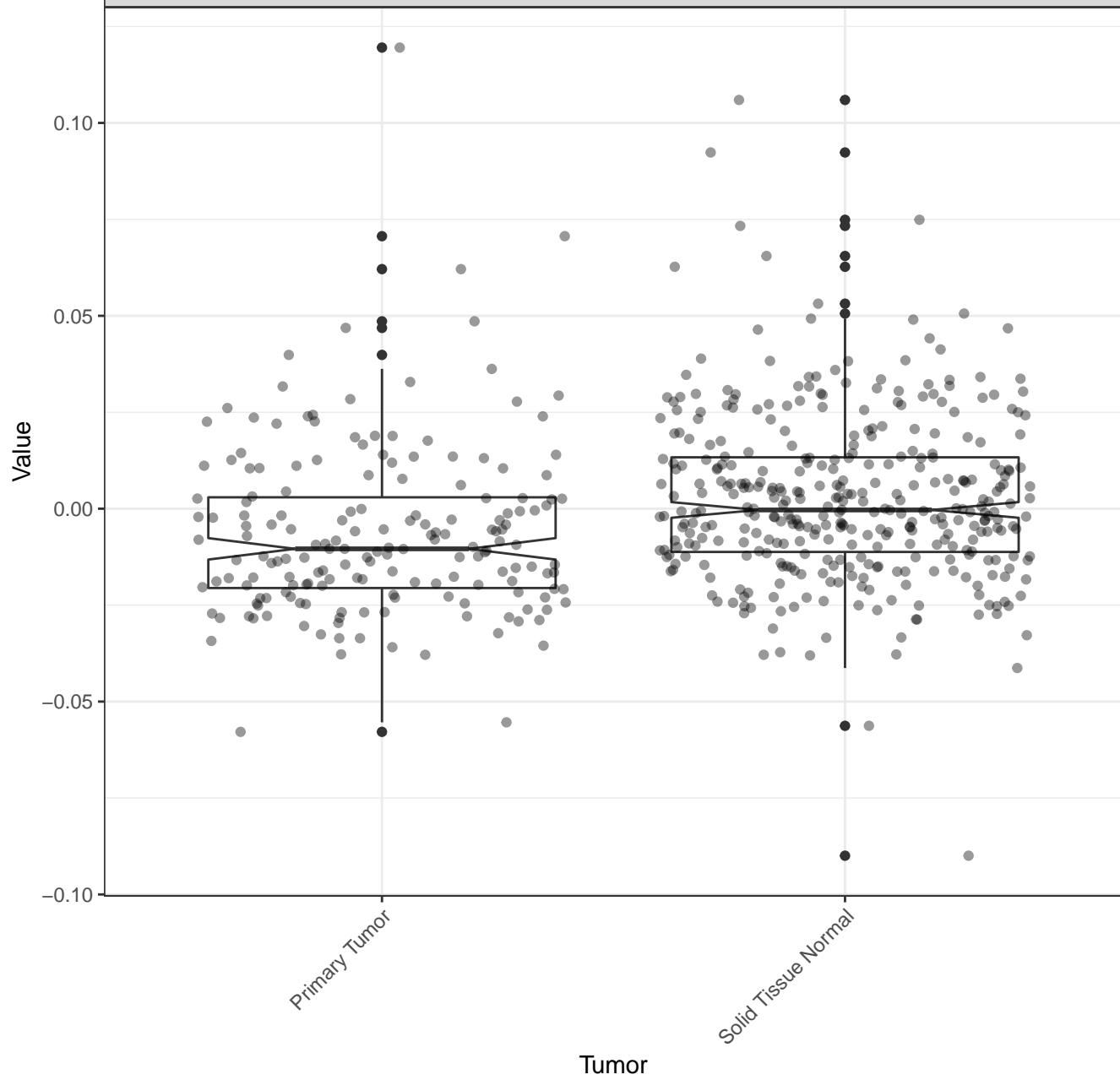
Primary Tumor

Tumor

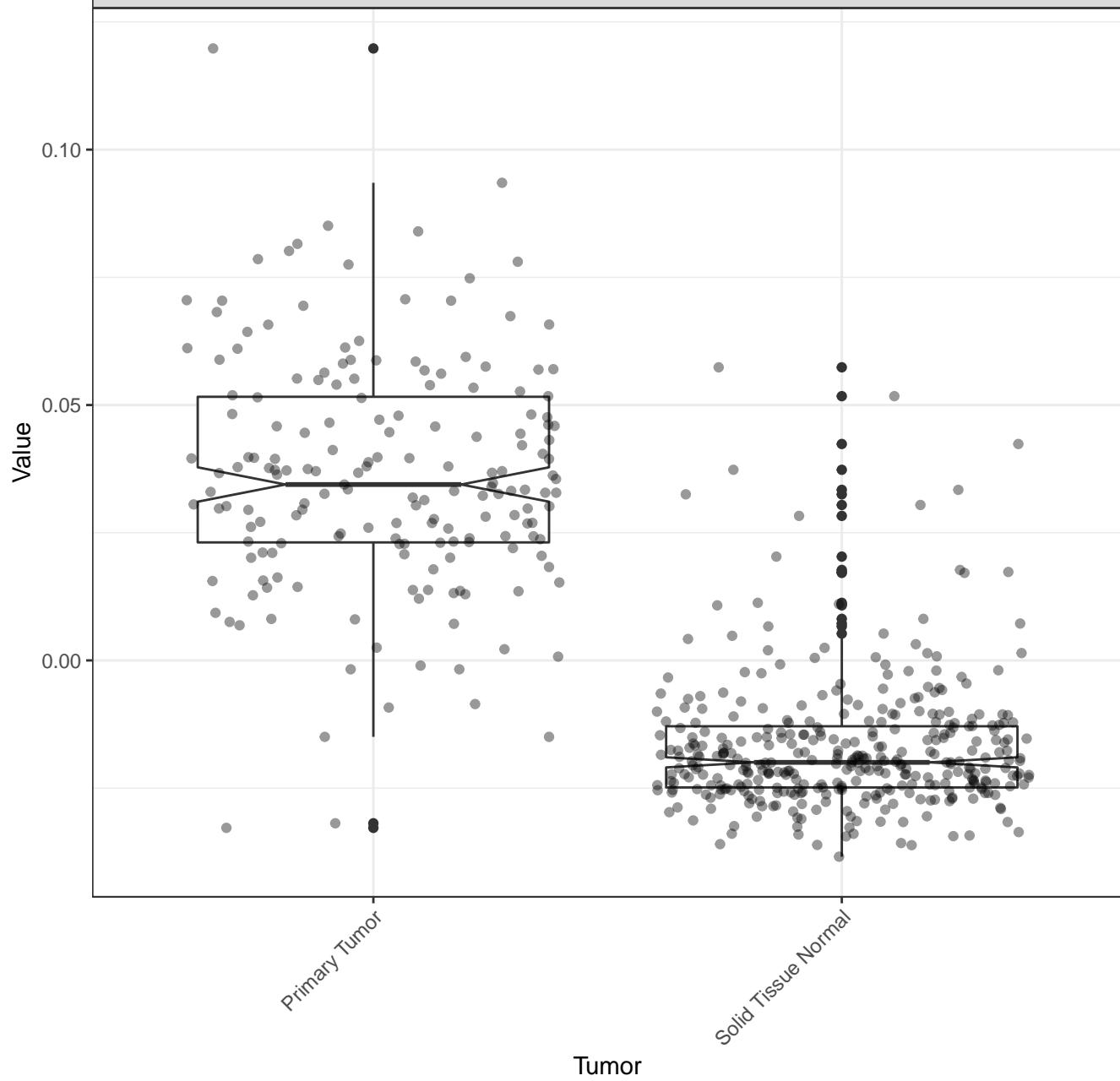
Solid Tissue Normal



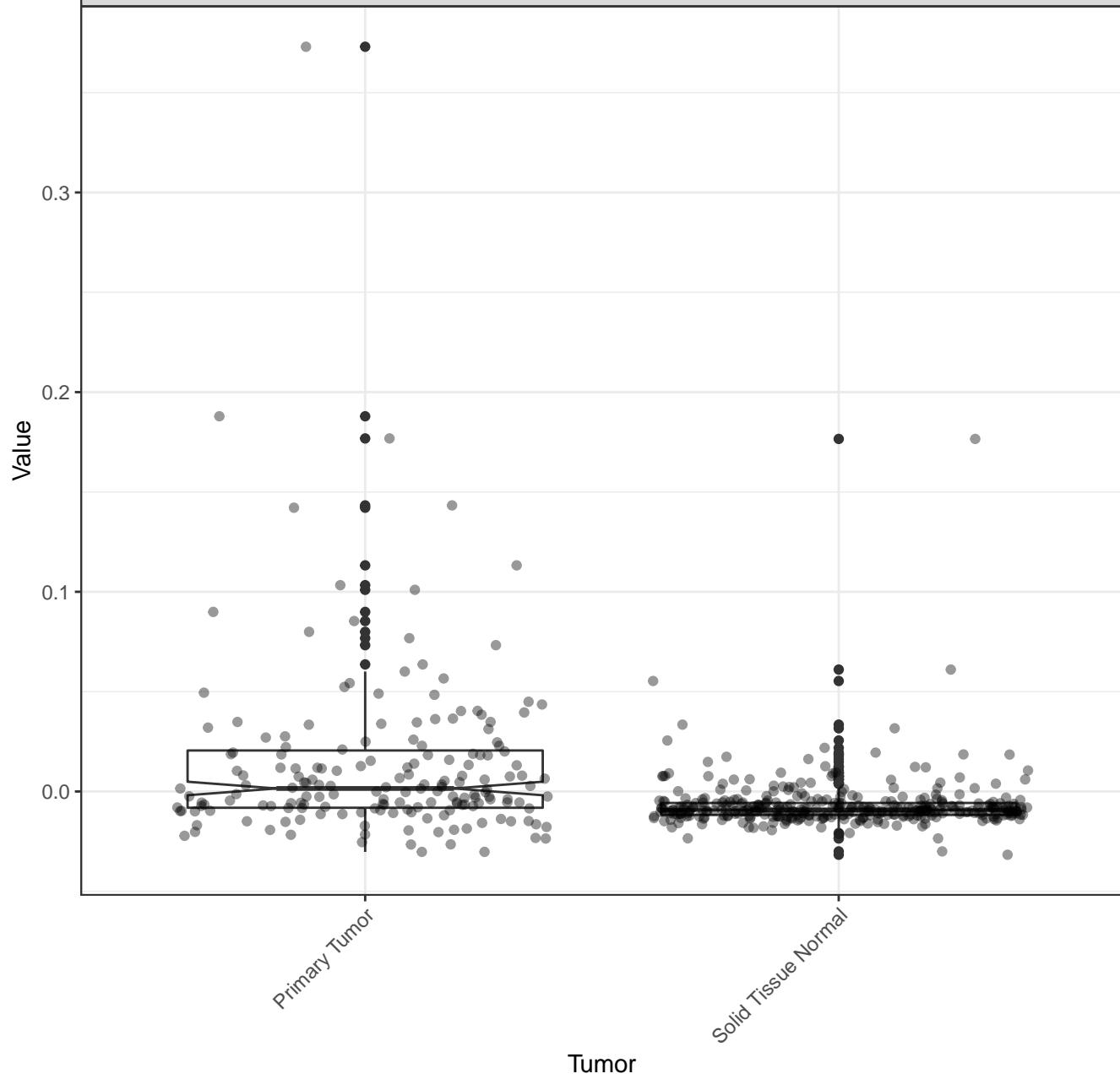
134,REACTOME_DIABETES_PATHWAYS

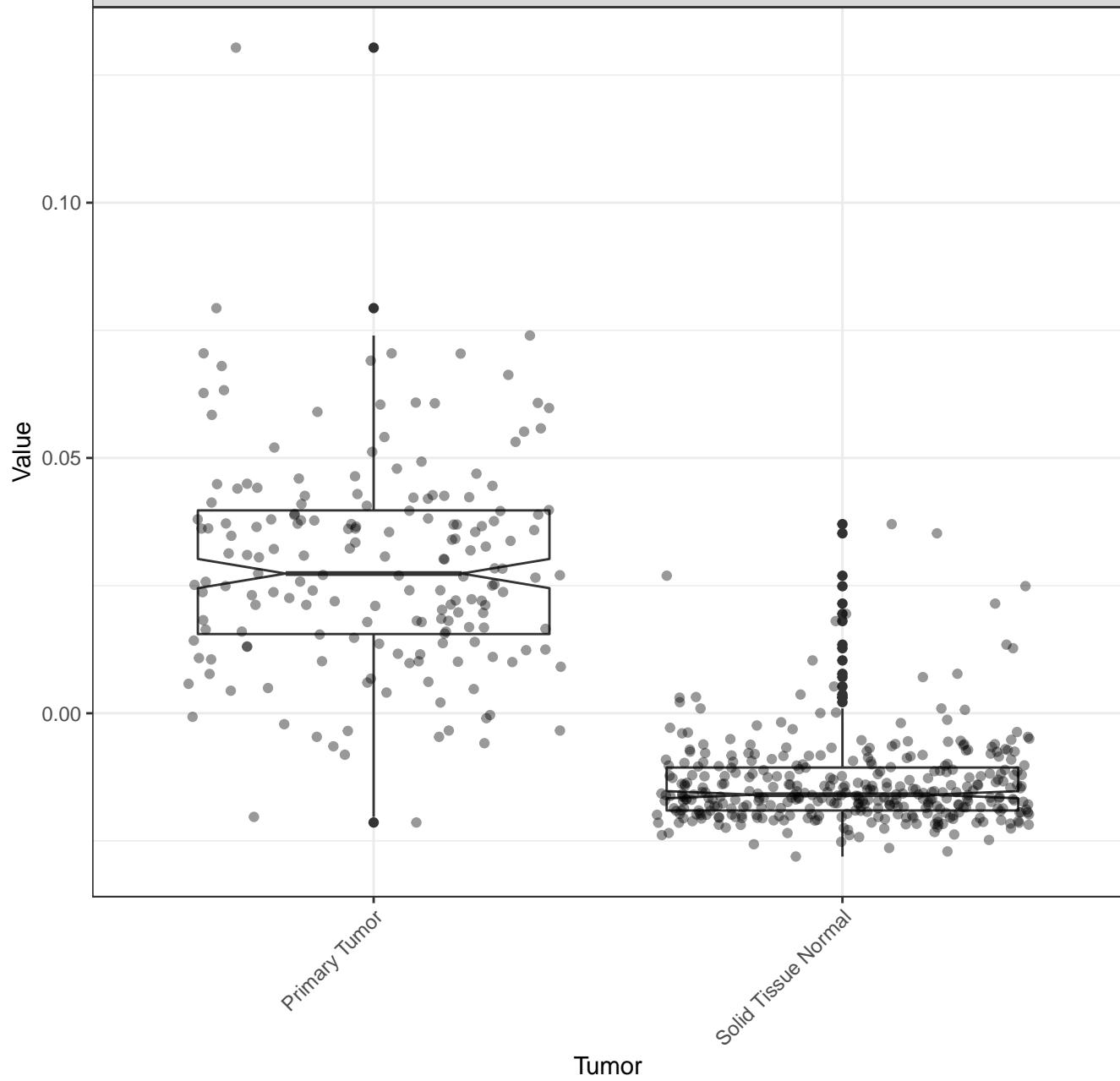


135,REACTOME_METABOLISM_OF_RNA



136,REACTOME_RNA_POL_I_PROMOTER_OPENING





LV 138

Value

0.12

0.08

0.04

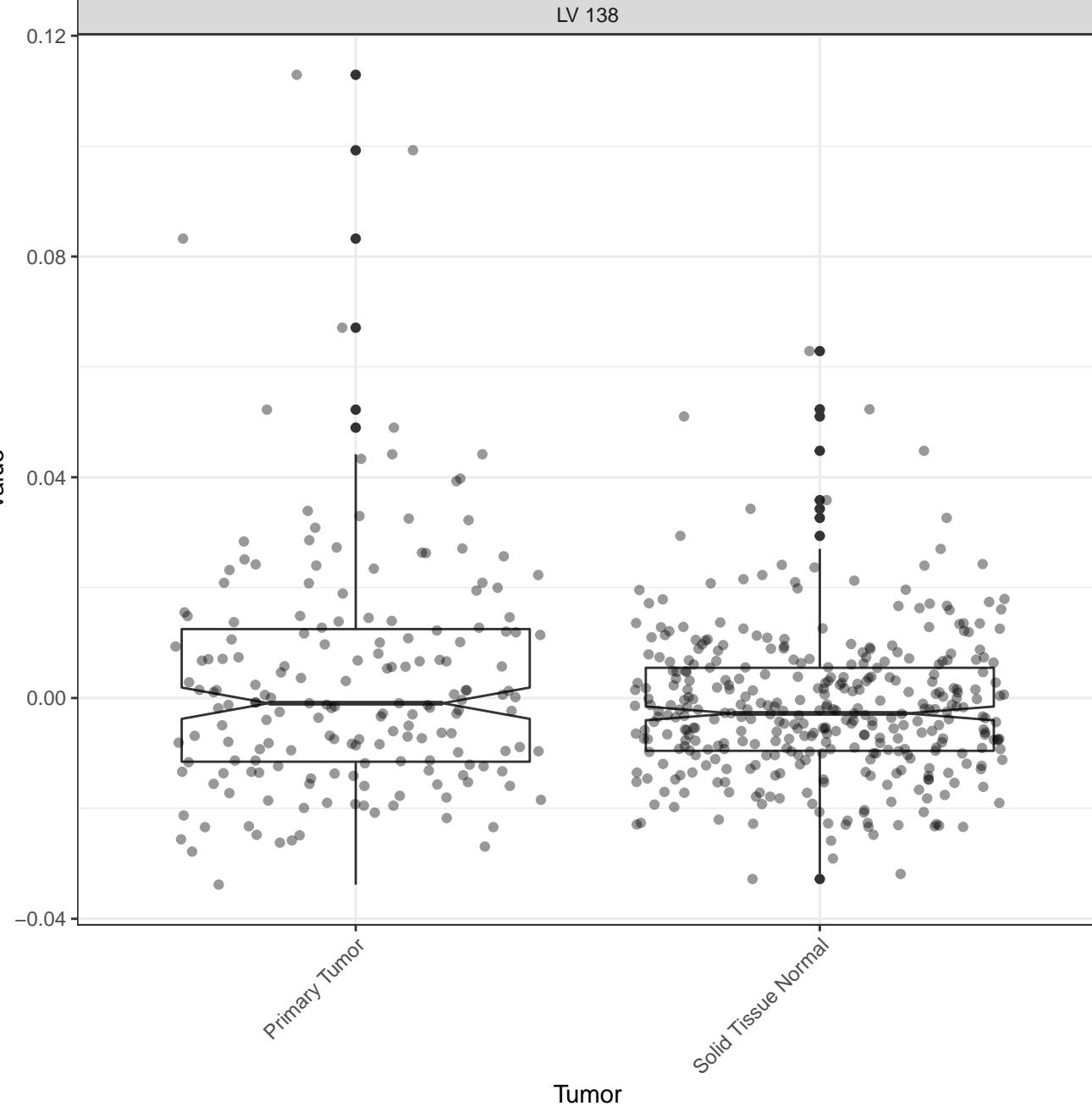
0.00

-0.04

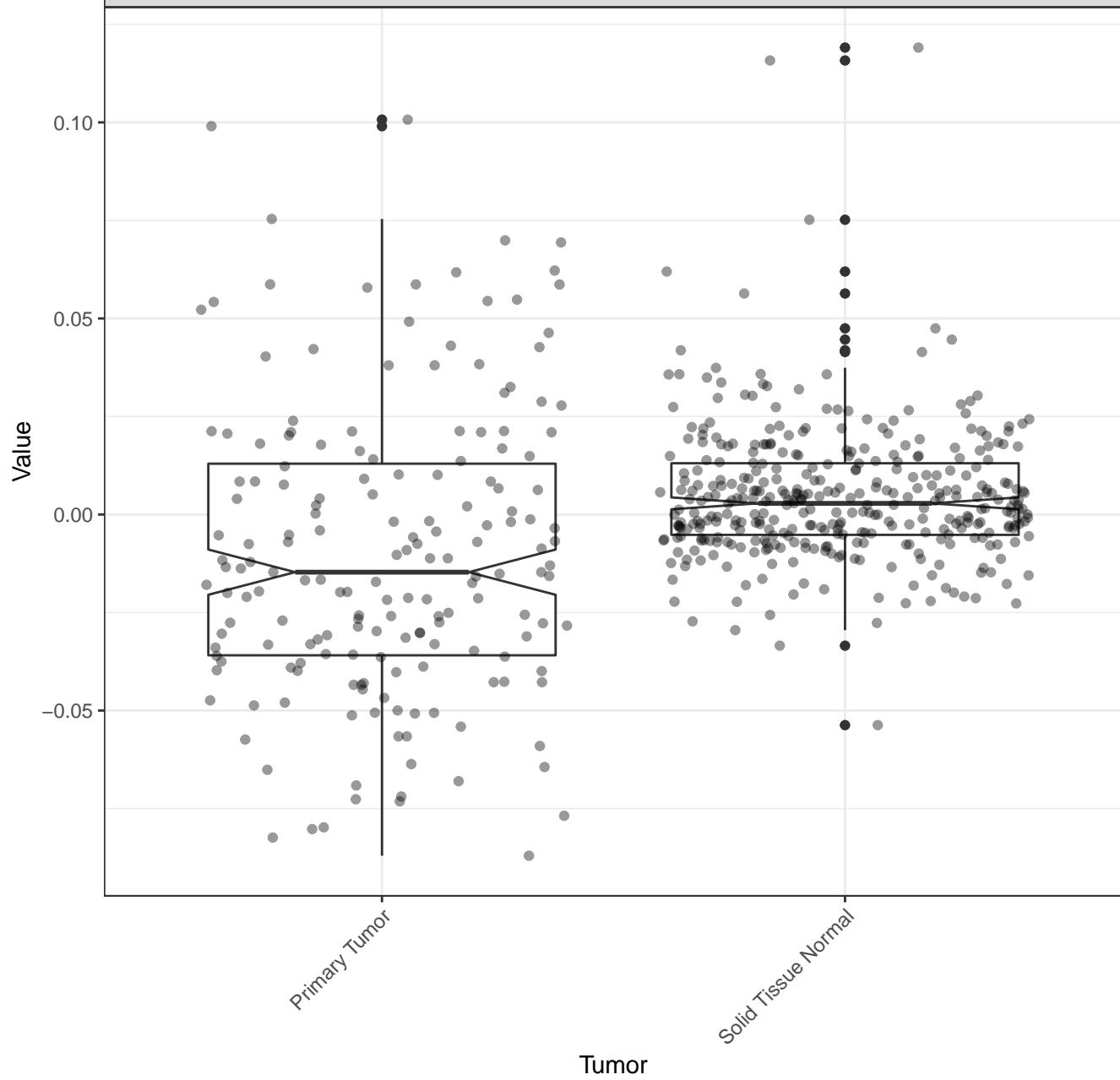
Primary Tumor

Solid Tissue Normal

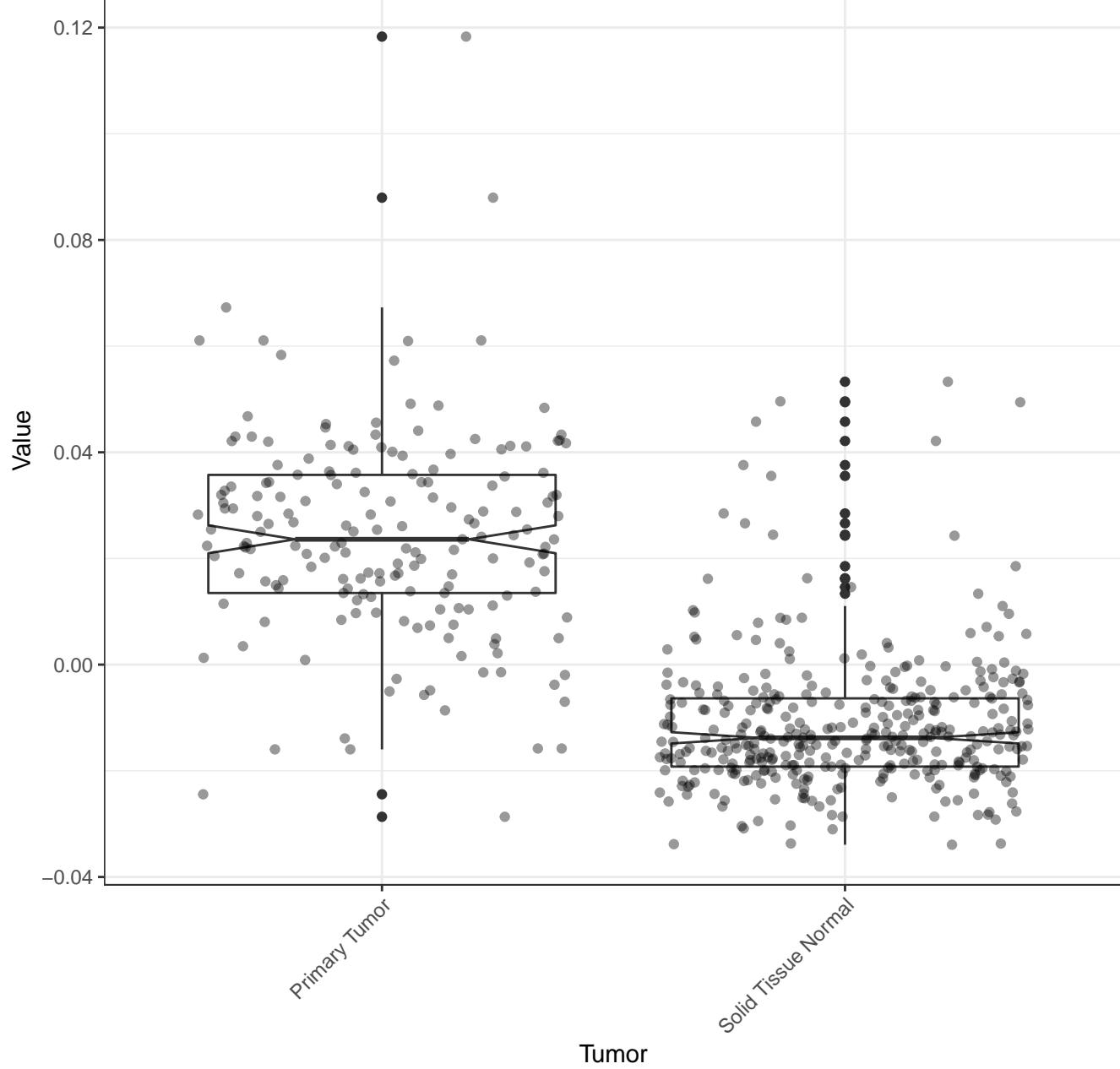
Tumor



139,REACTOME_TRANSPORT_OF_INORGANIC_CATIONS_ANIONS_AND_AMINO_ACIDS_OLIGOPEPTIDES



140,REACTOME_INSULIN_RECECTOR_SIGNALLING CASCADE



Value

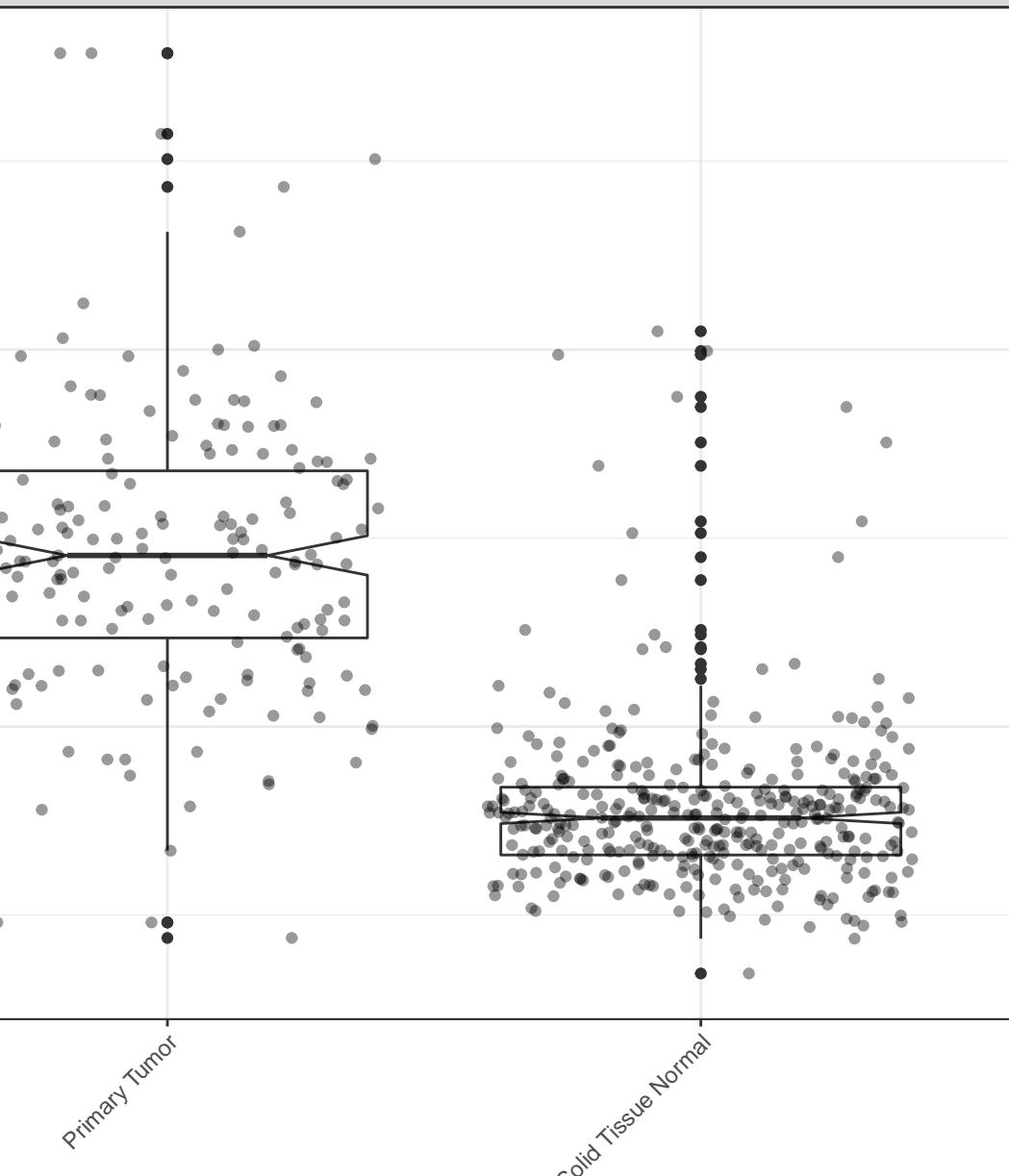
0.05

0.00

Primary Tumor

Tumor

Solid Tissue Normal



LV 142

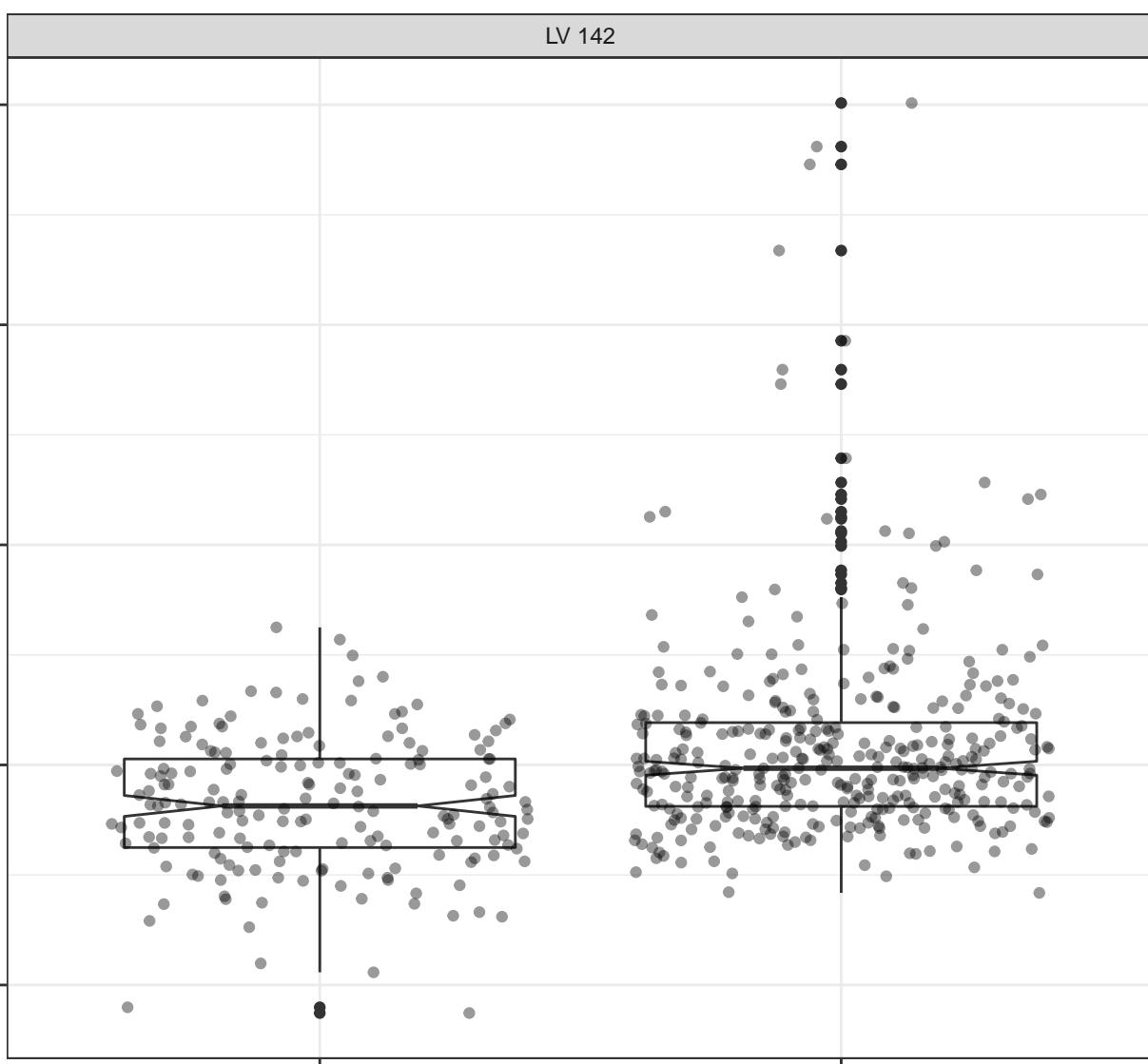
Value

0.15
0.10
0.05
0.00
-0.05

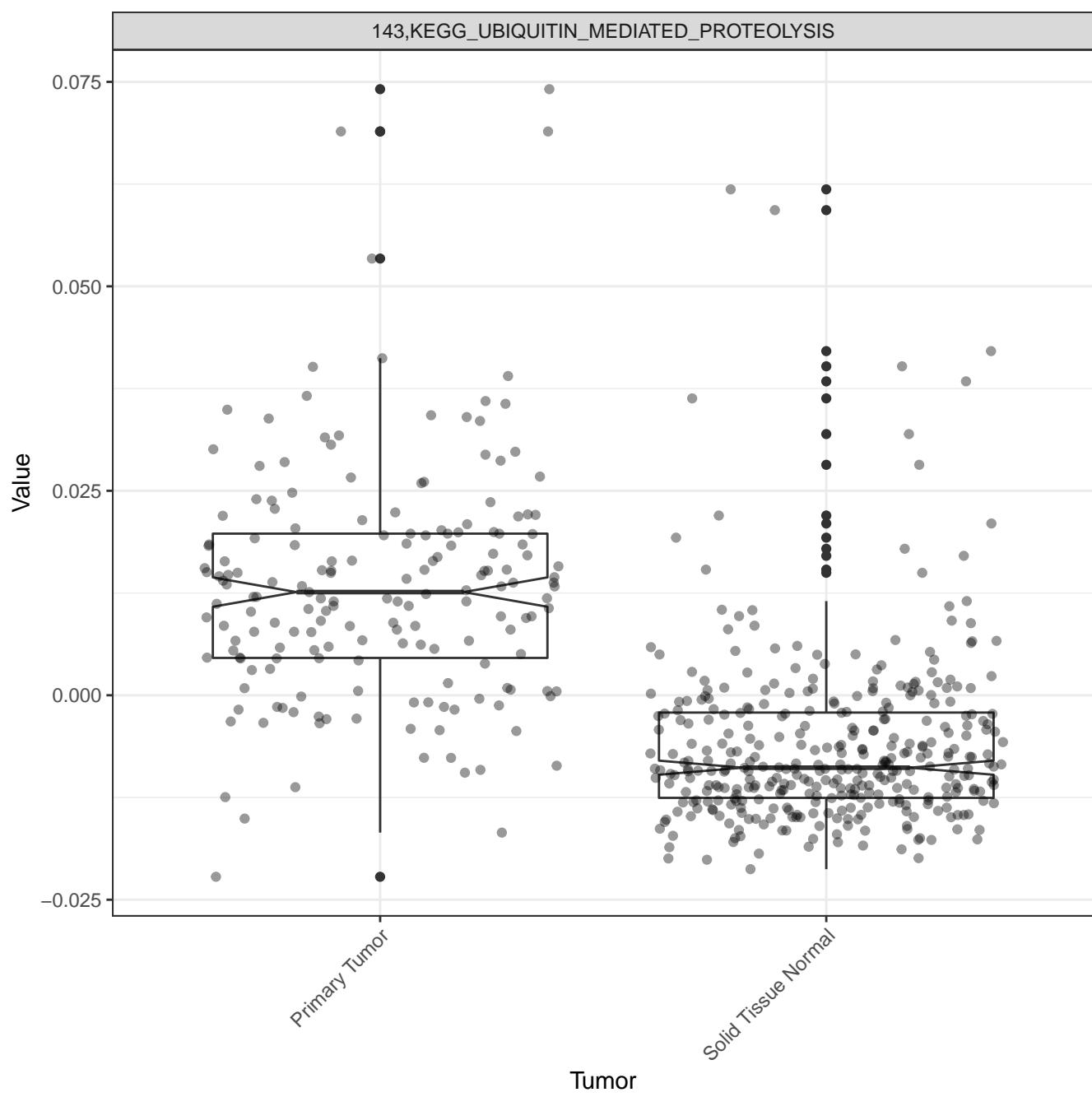
Primary Tumor

Solid Tissue Normal

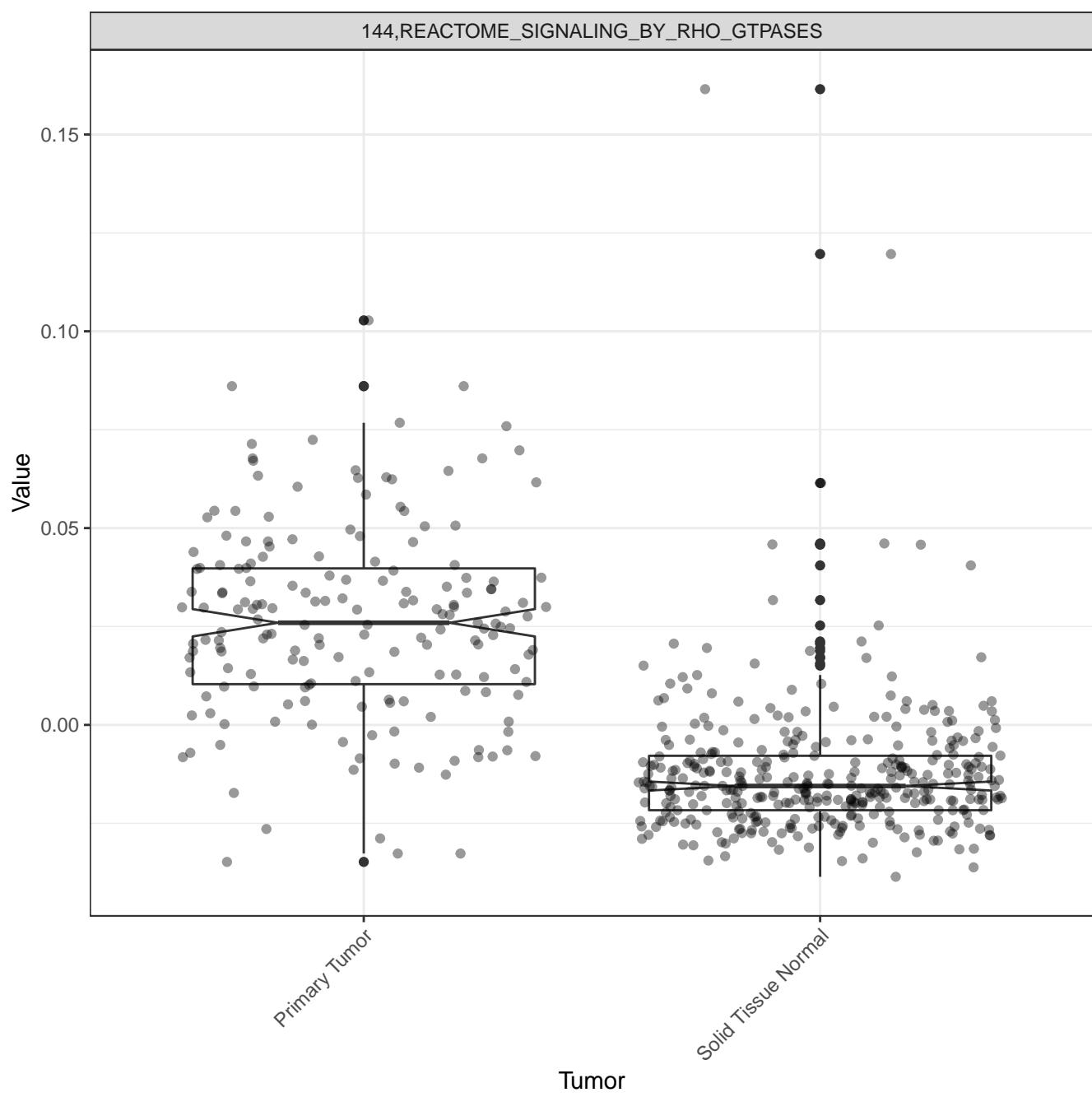
Tumor



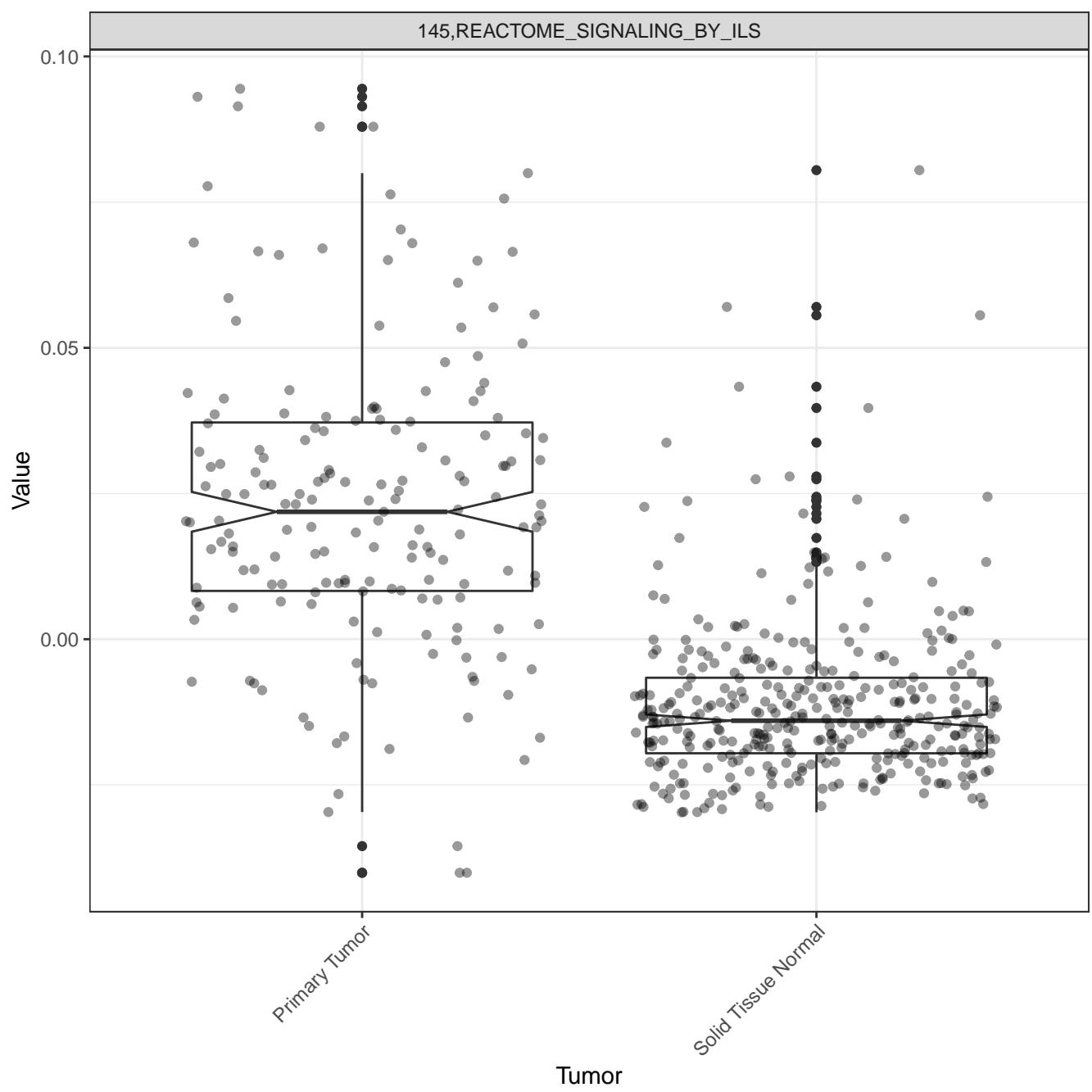
143,KEGG_UBIQUITIN_MEDiated_PROTEOLYSIS



144,REACTOME_SIGNALING_BY_RHO_GTPASES



145,REACTOME_SIGNALING_BY_ILS



Value

0.050

0.025

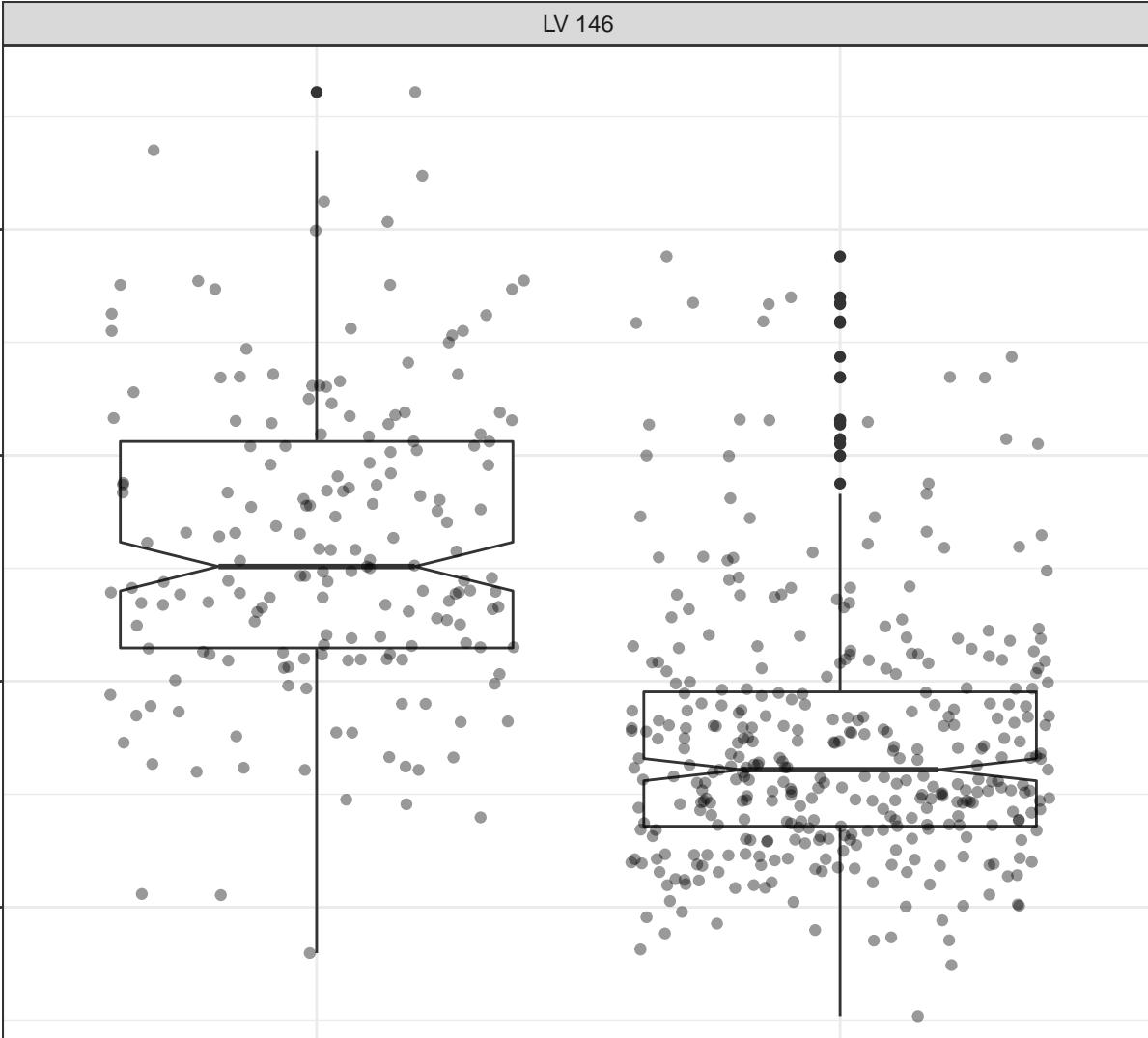
0.000

-0.025

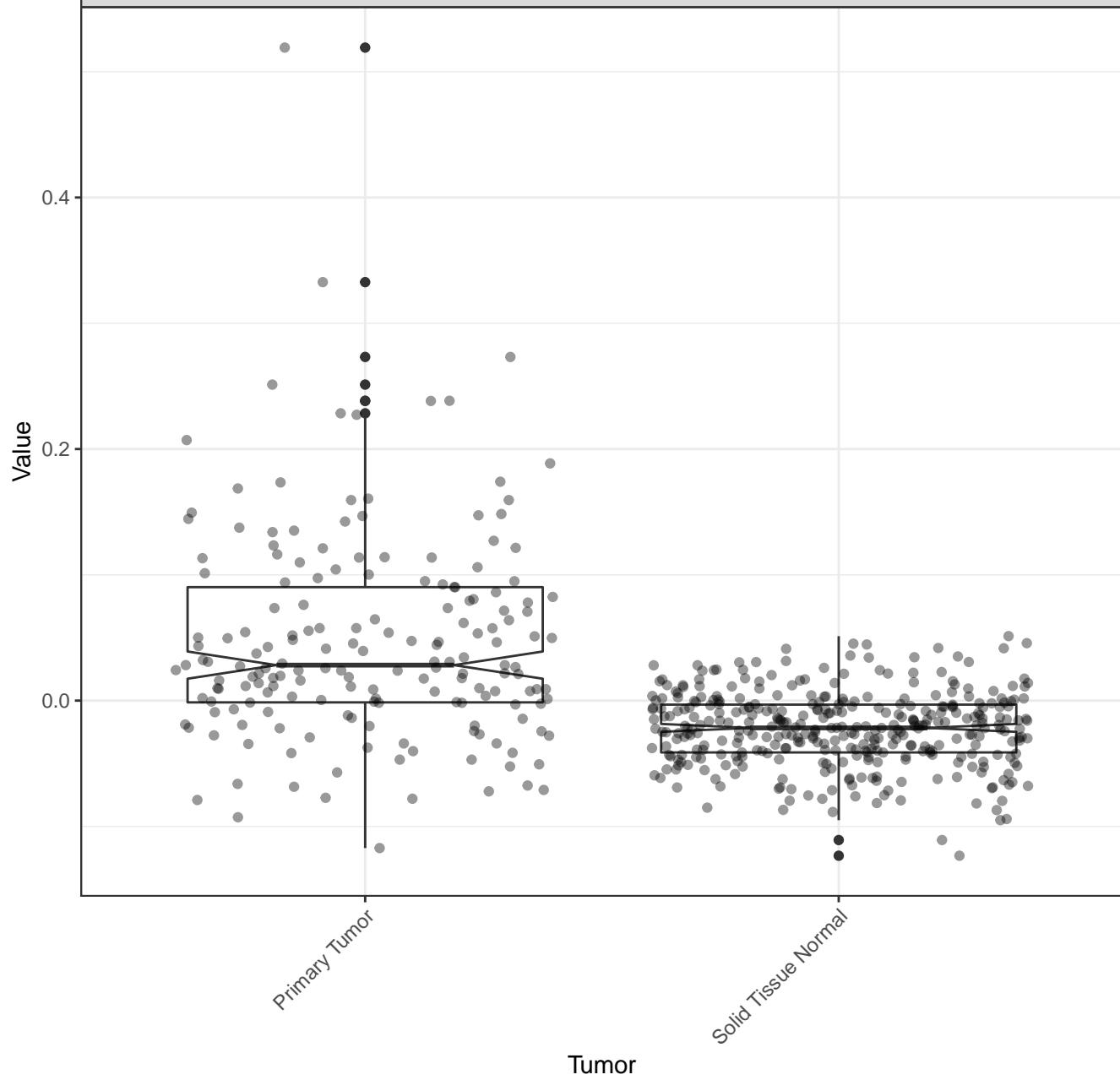
Primary Tumor

Solid Tissue Normal

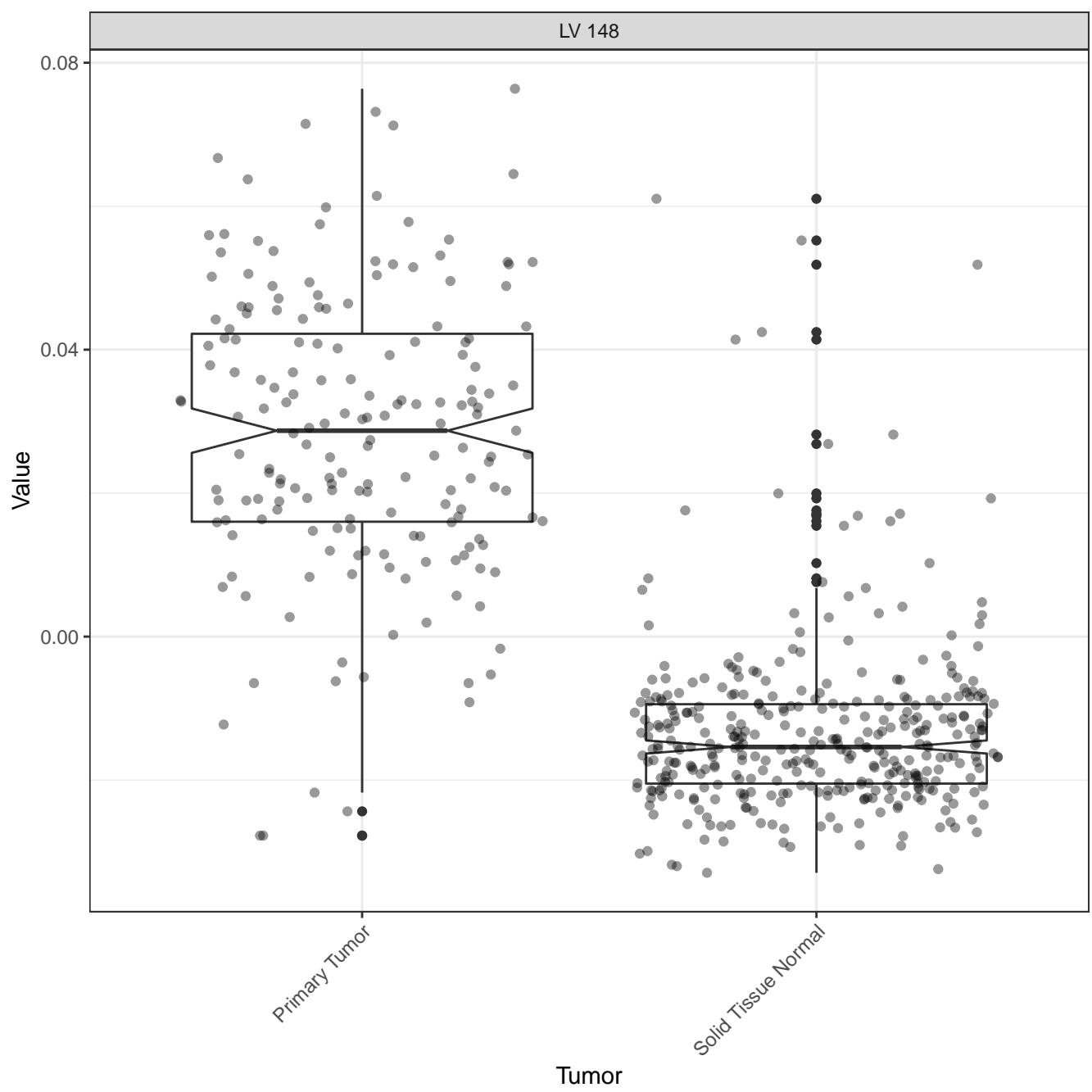
Tumor



147,PID_AURORA_B_PATHWAY



LV 148



LV 149

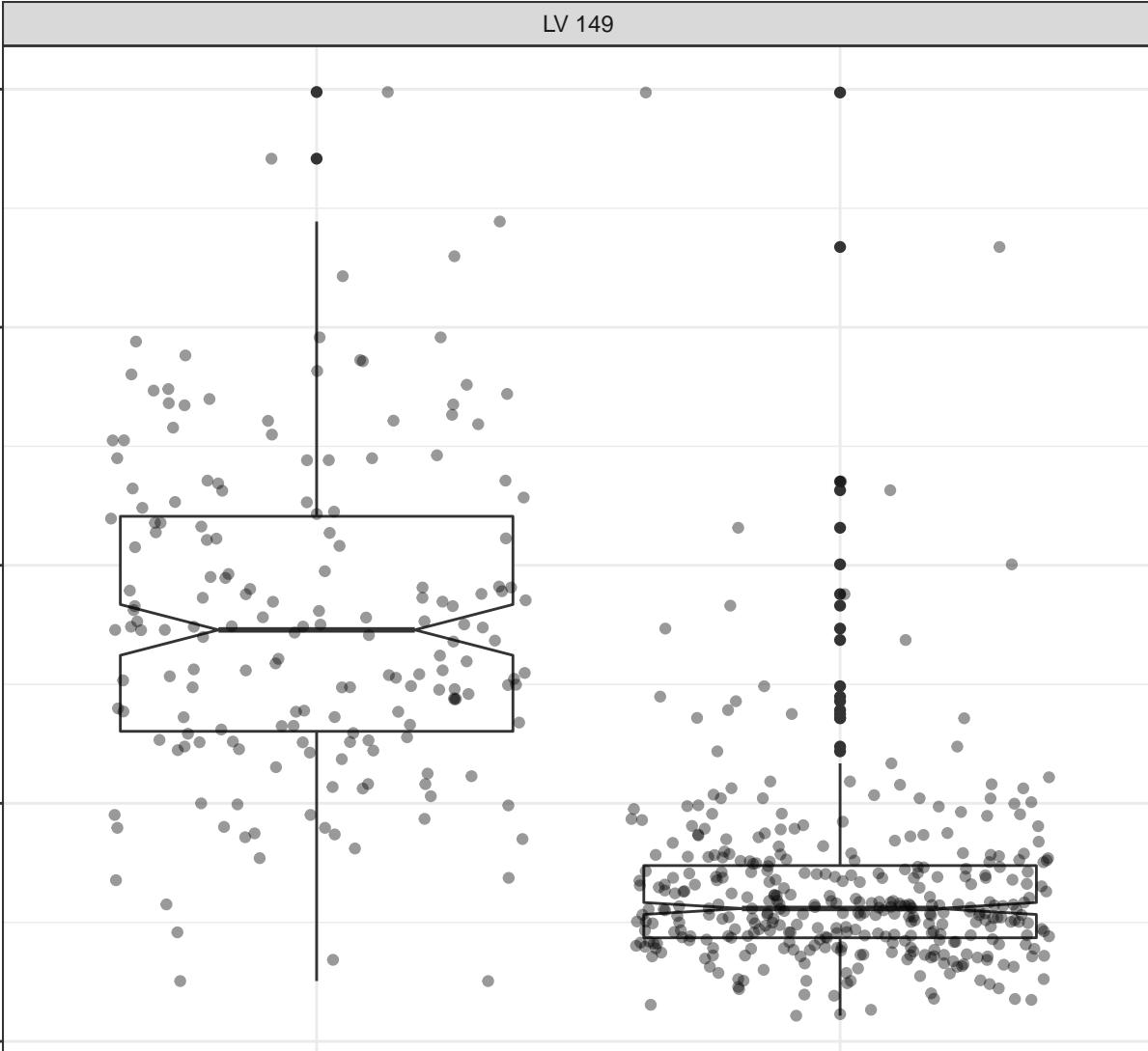
Value

0.075
0.050
0.025
0.000
-0.025

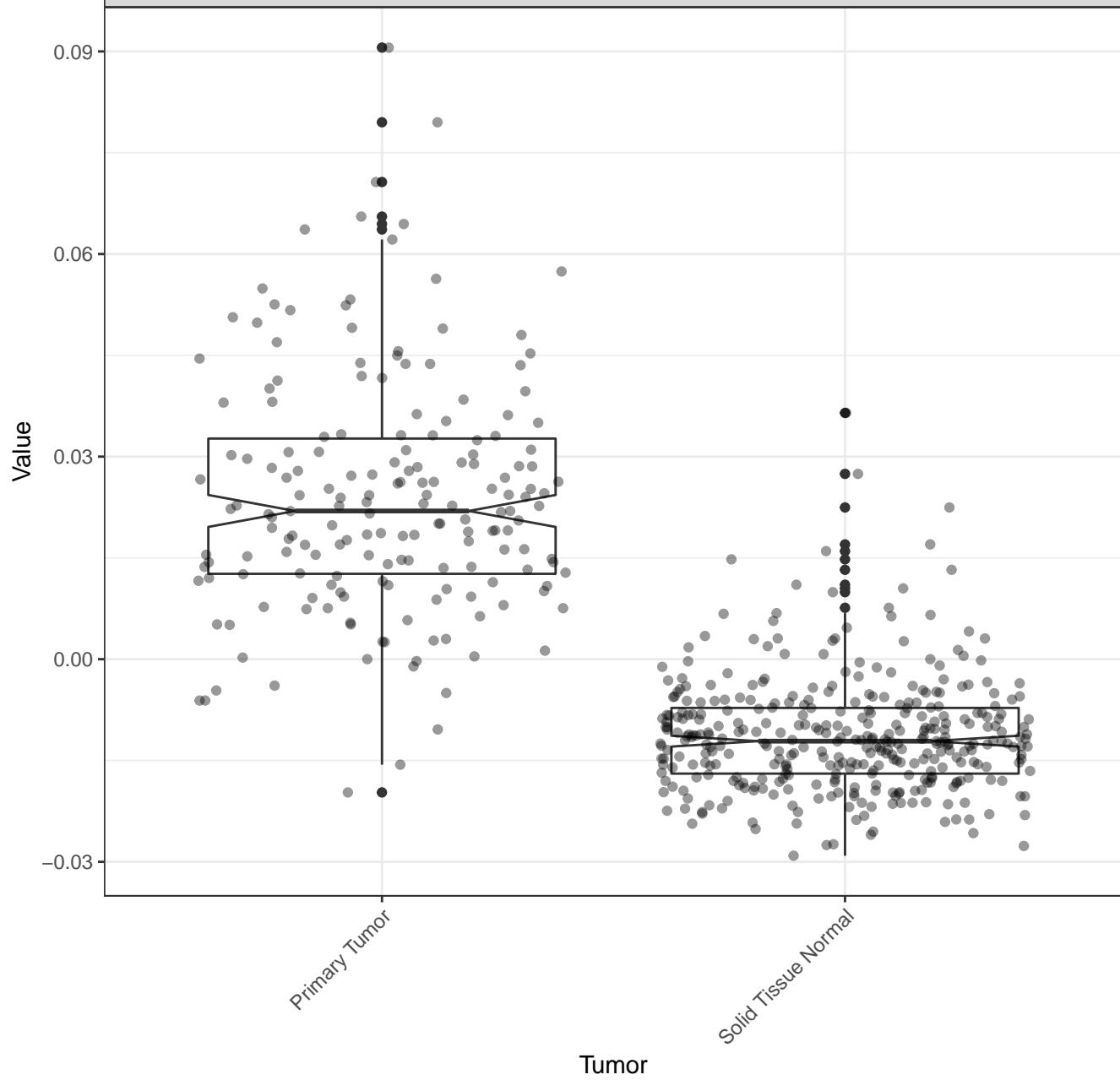
Primary Tumor

Solid Tissue Normal

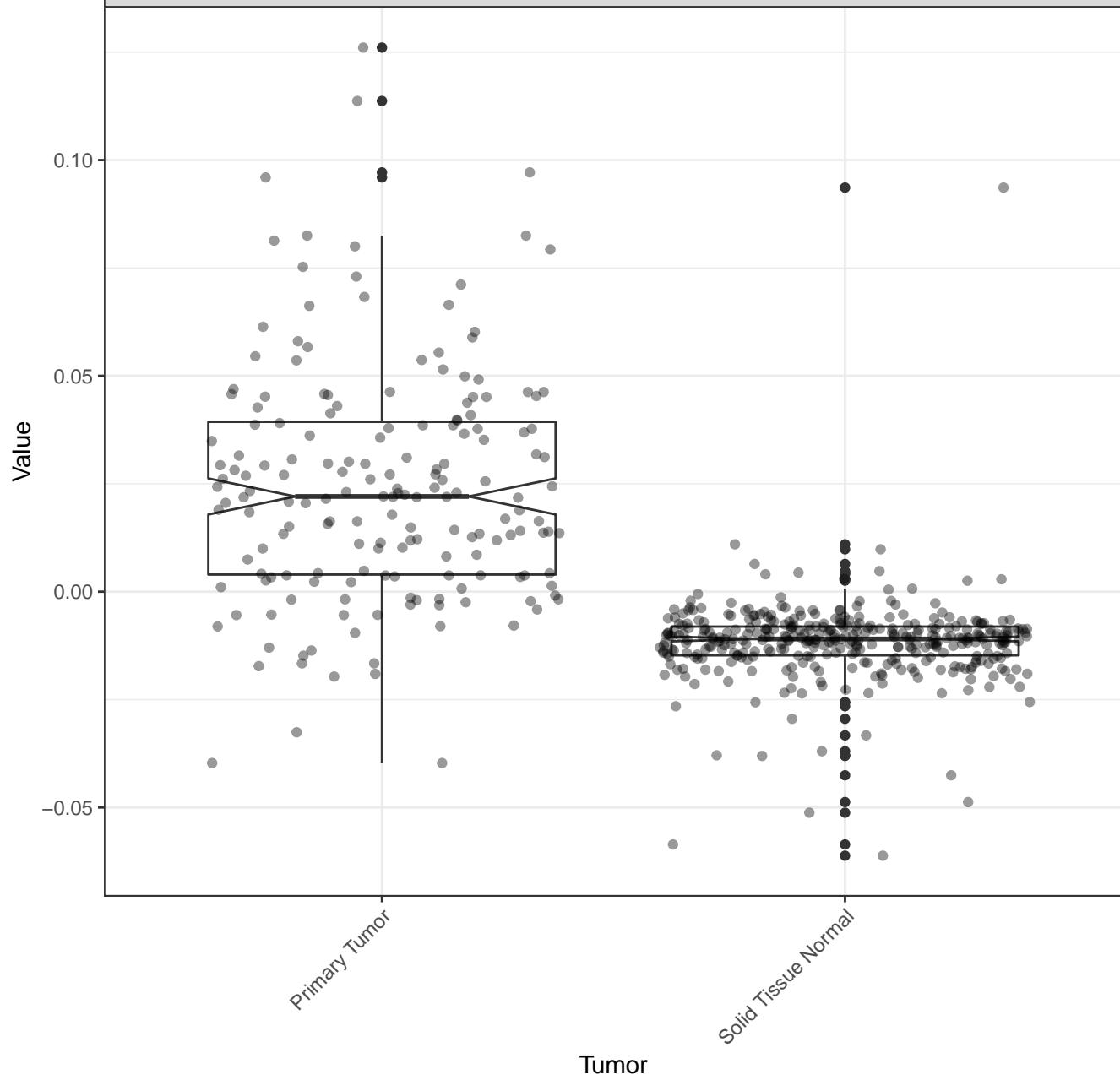
Tumor



150,REACTOME_IMMUNE_SYSTEM

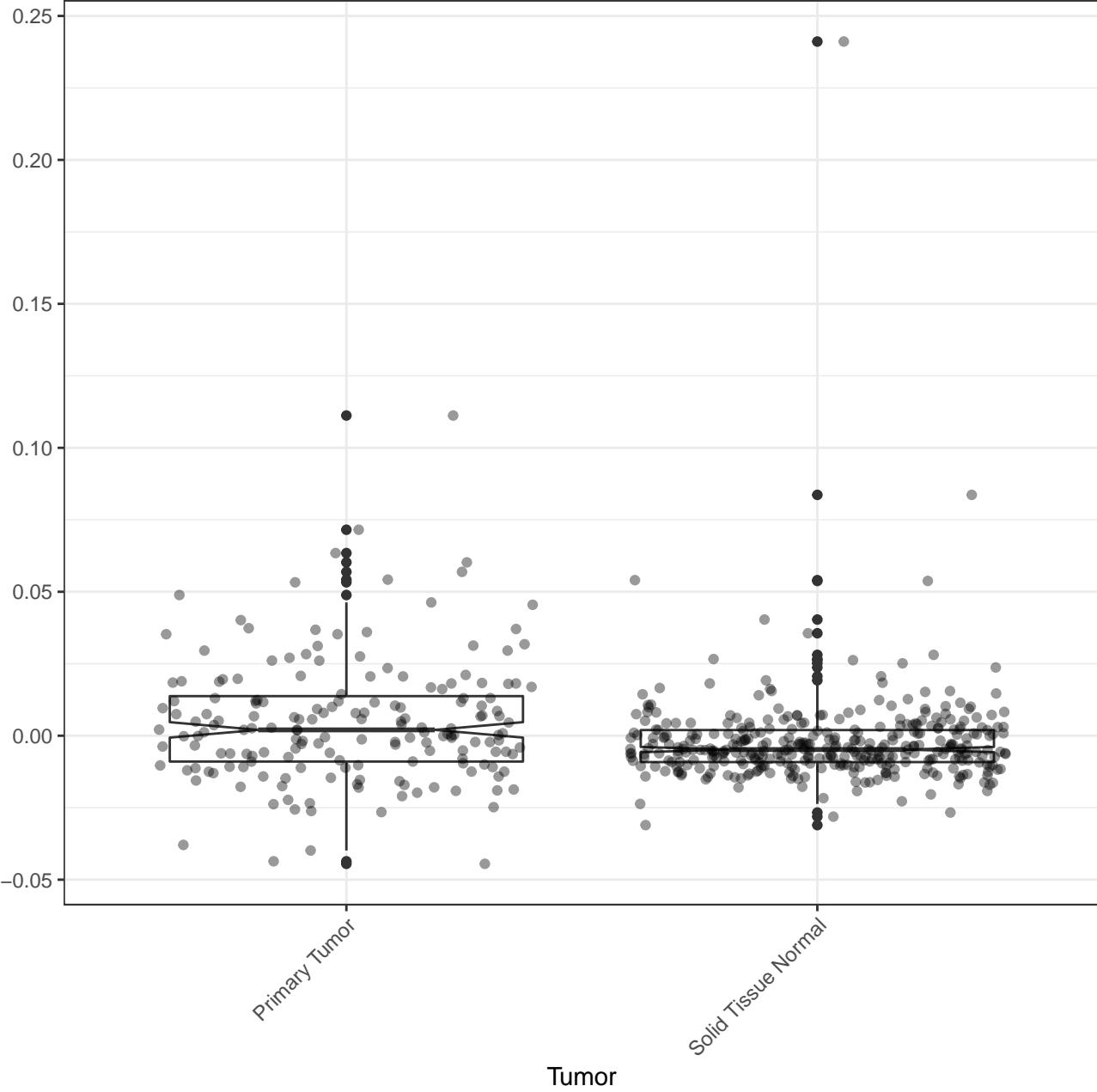


151,IRIS_Monocyte–Day1



152,KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_ARVC

Value



LV 153

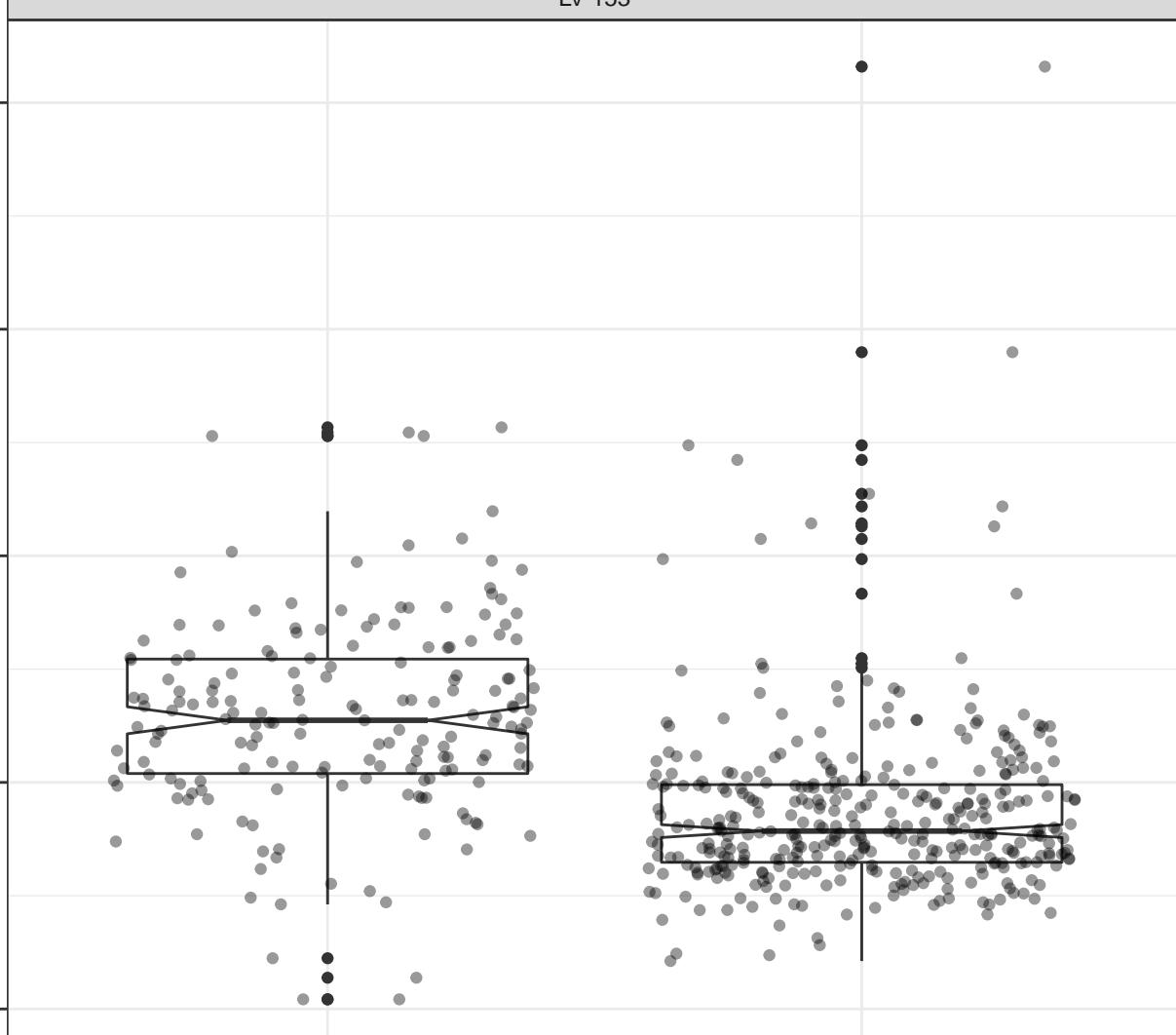
Value

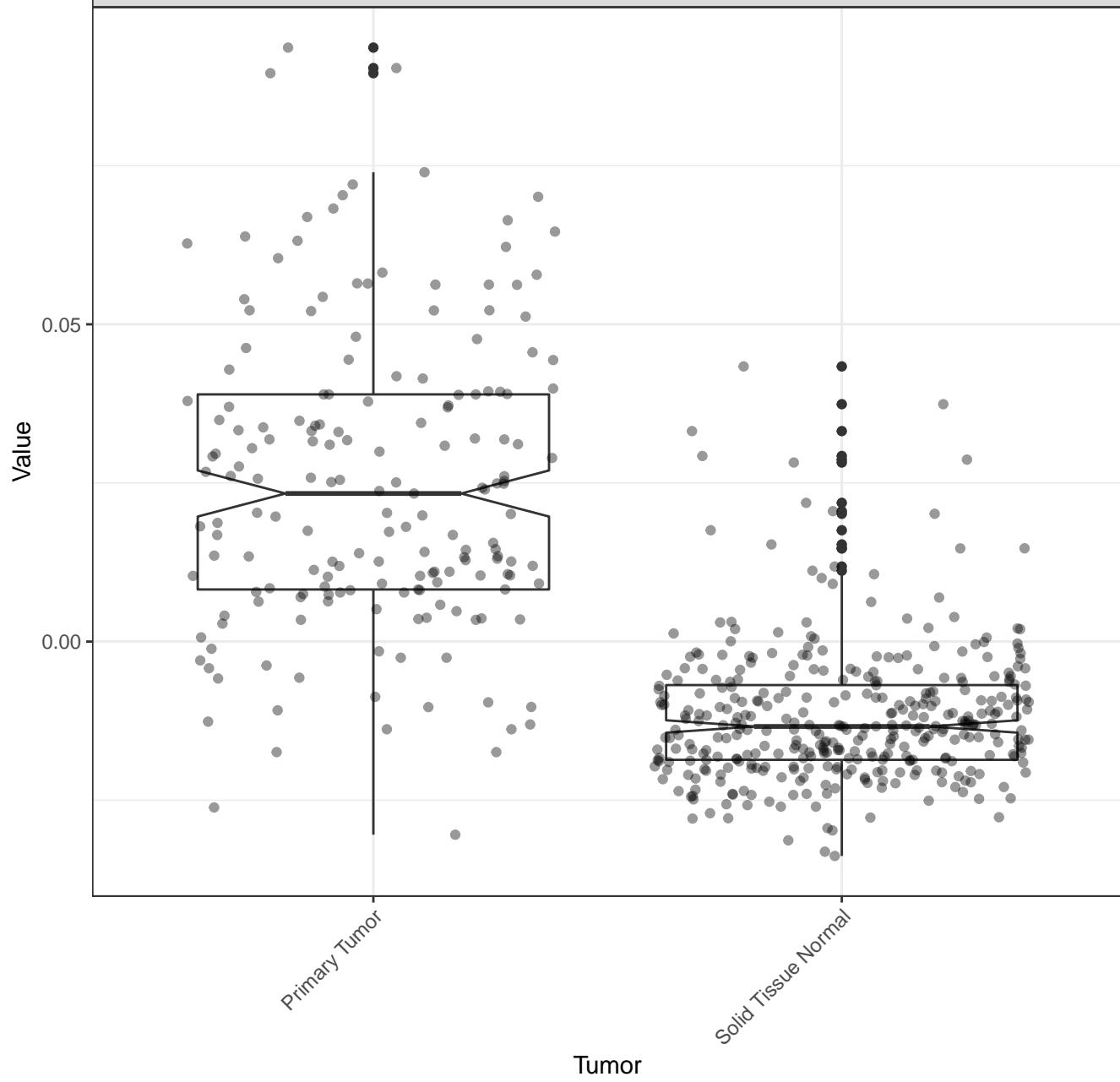
0.15
0.10
0.05
0.00
-0.05

Primary Tumor

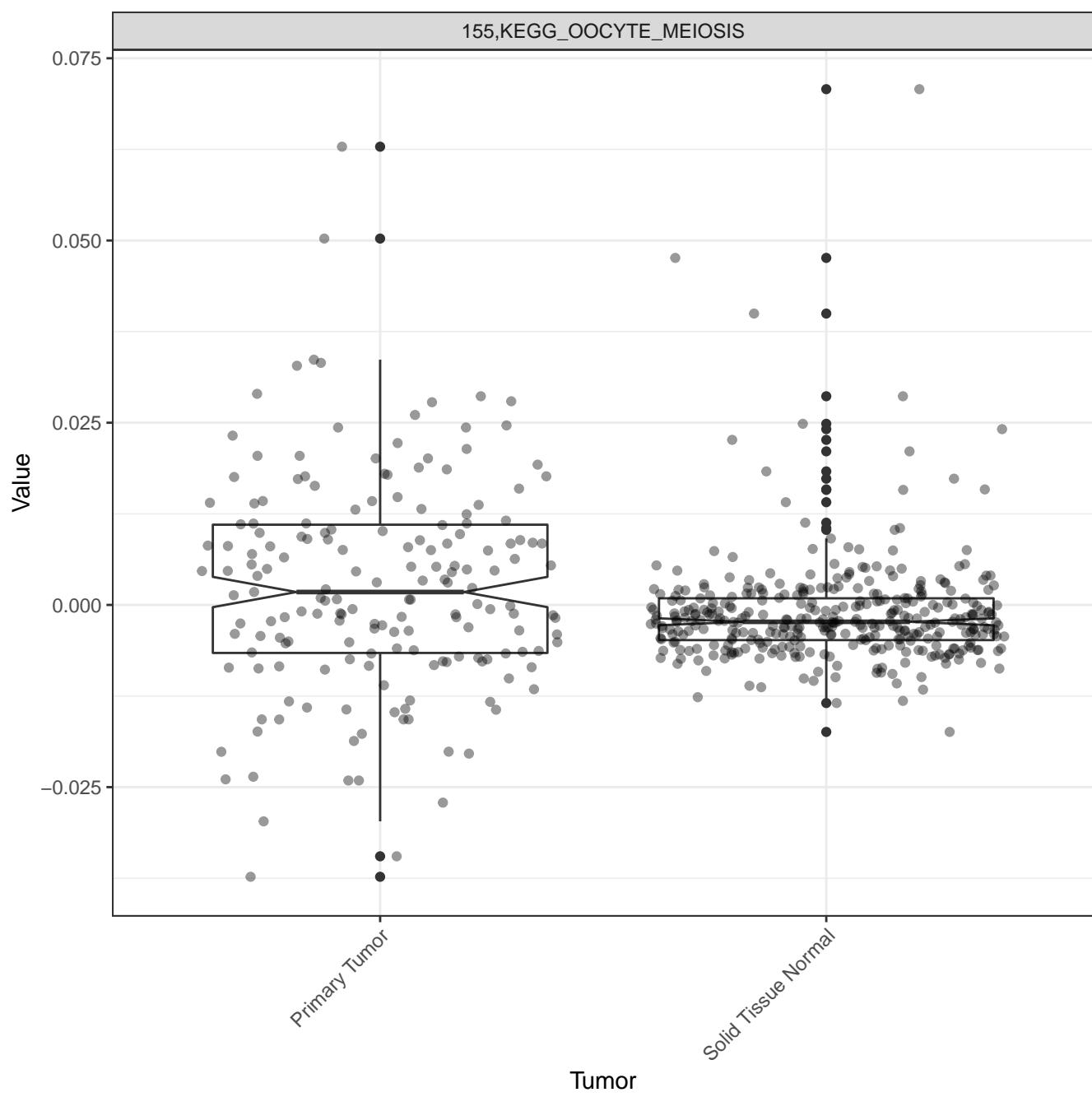
Solid Tissue Normal

Tumor





155,KEGG_OOCYTE_MEIOSIS



156,DMAP_MONO2

Value

0.20
0.15
0.10
0.05
0.00
-0.05

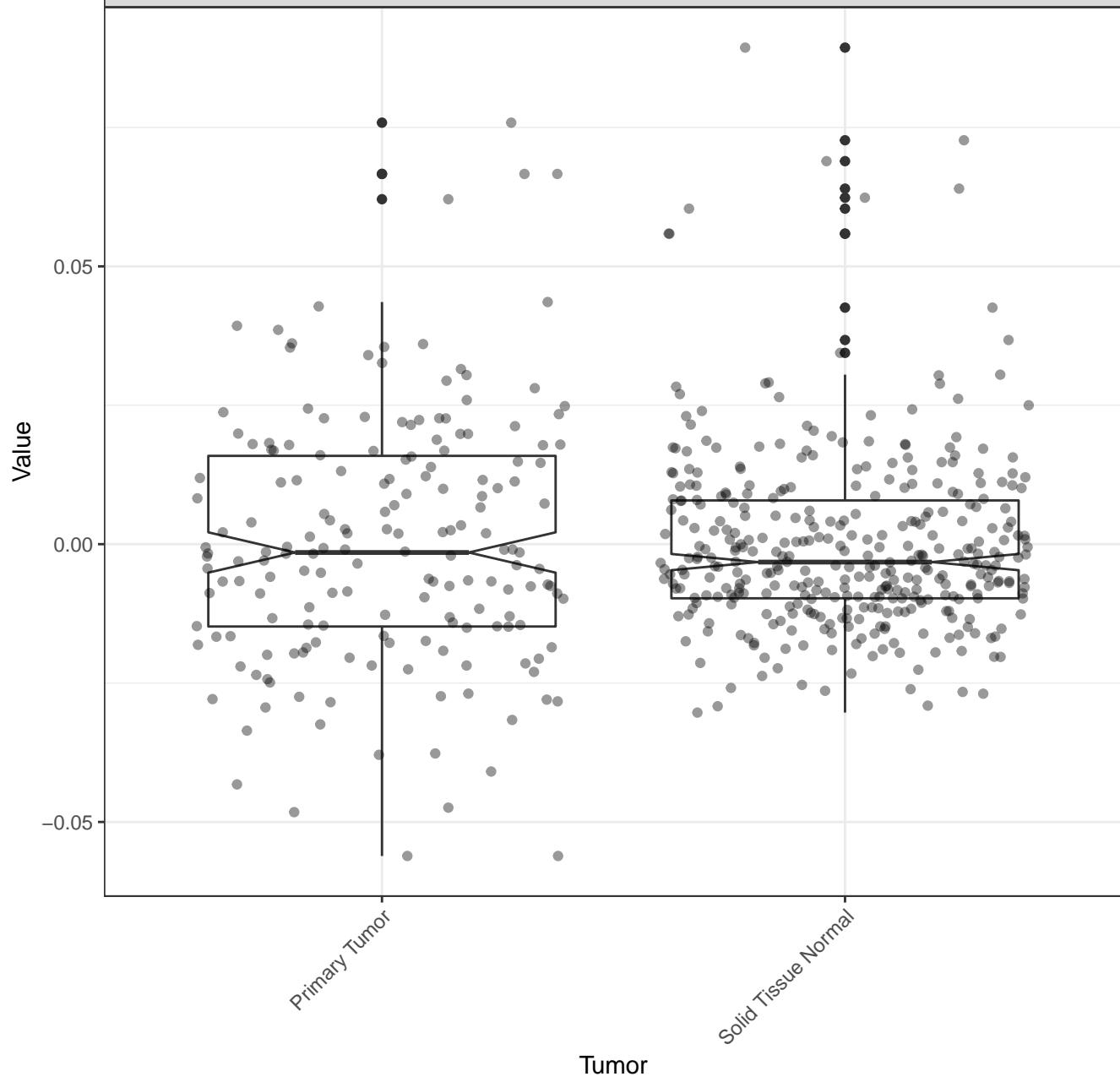
Primary Tumor

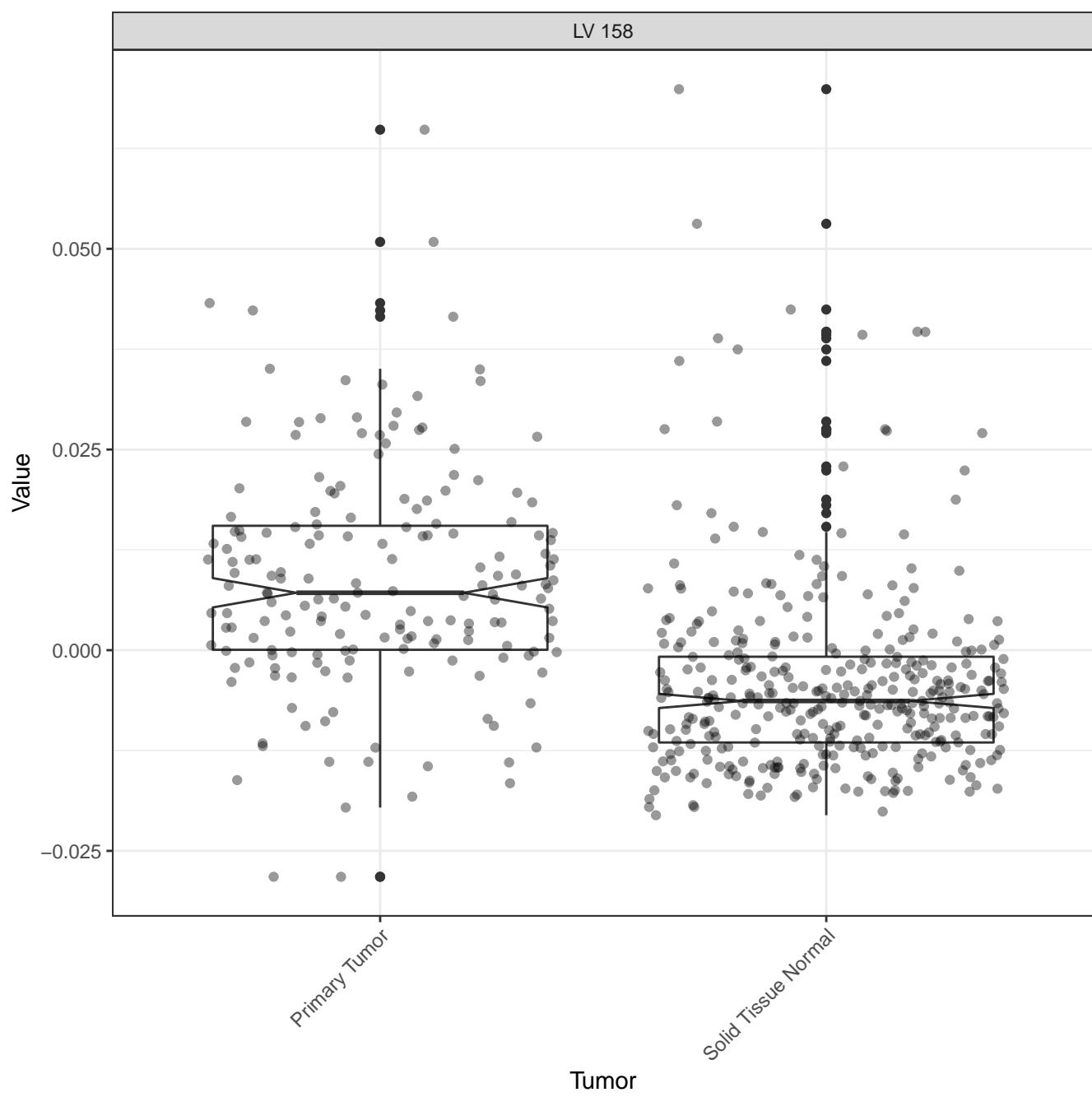
Tumor

Box plot for the Solid Tissue Normal group. The y-axis ranges from -0.05 to 0.20. The median is near 0.00. The box spans from about -0.01 to 0.01. Whiskers extend from -0.05 to 0.05. Outliers are scattered across the range.

Box plot for an unlabeled group. The y-axis ranges from -0.05 to 0.20. The median is approximately -0.01. The box spans from about -0.02 to -0.005. Whiskers extend from -0.03 to 0.02. Outliers are scattered across the range.

157,PID_HES_HEYPATHWAY





ME_NEUROTRANSMITTER_RECEPTOR_BINDING_AND_DOWNSTREAM_TRANSMISSION_IN_THE_POSTSYN

Value

0.15

0.10

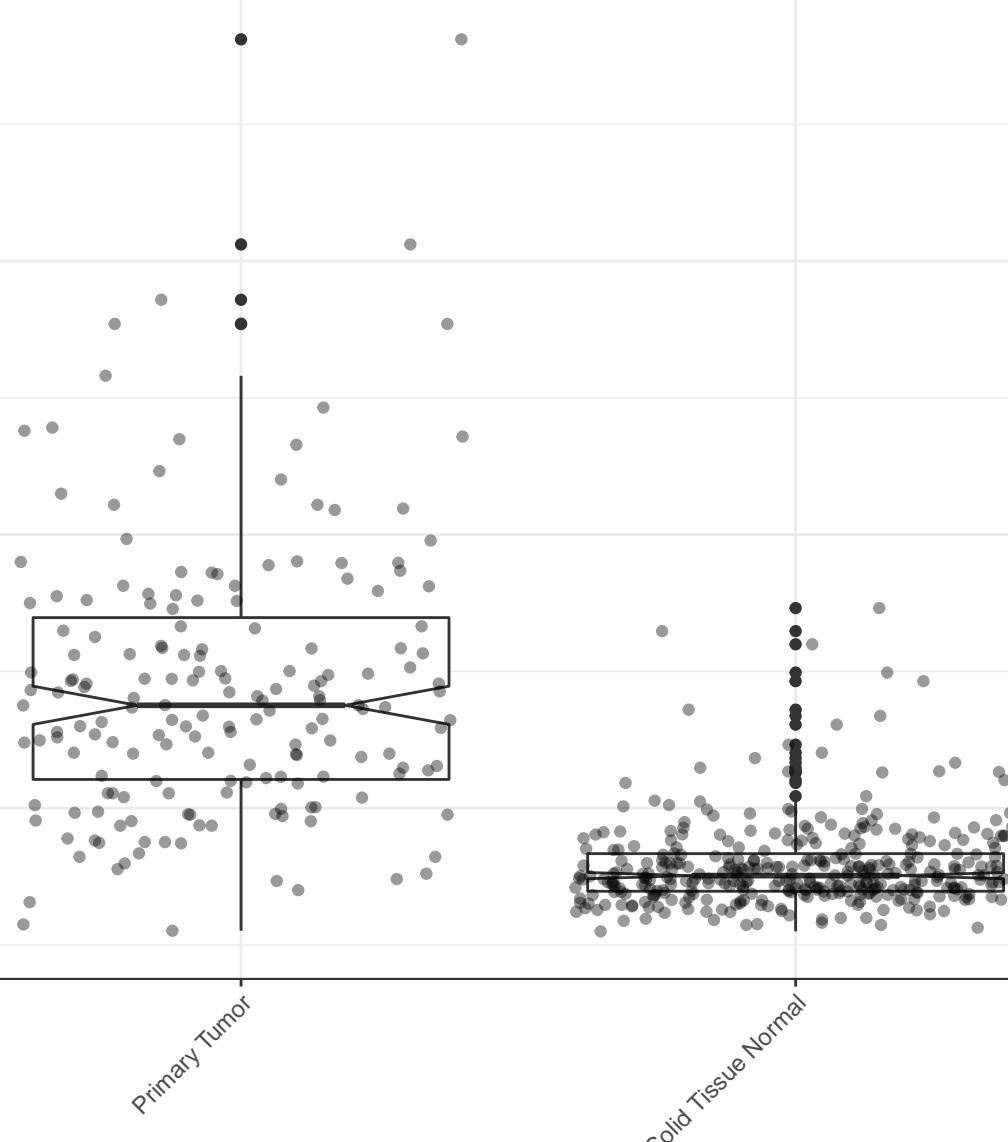
0.05

0.00

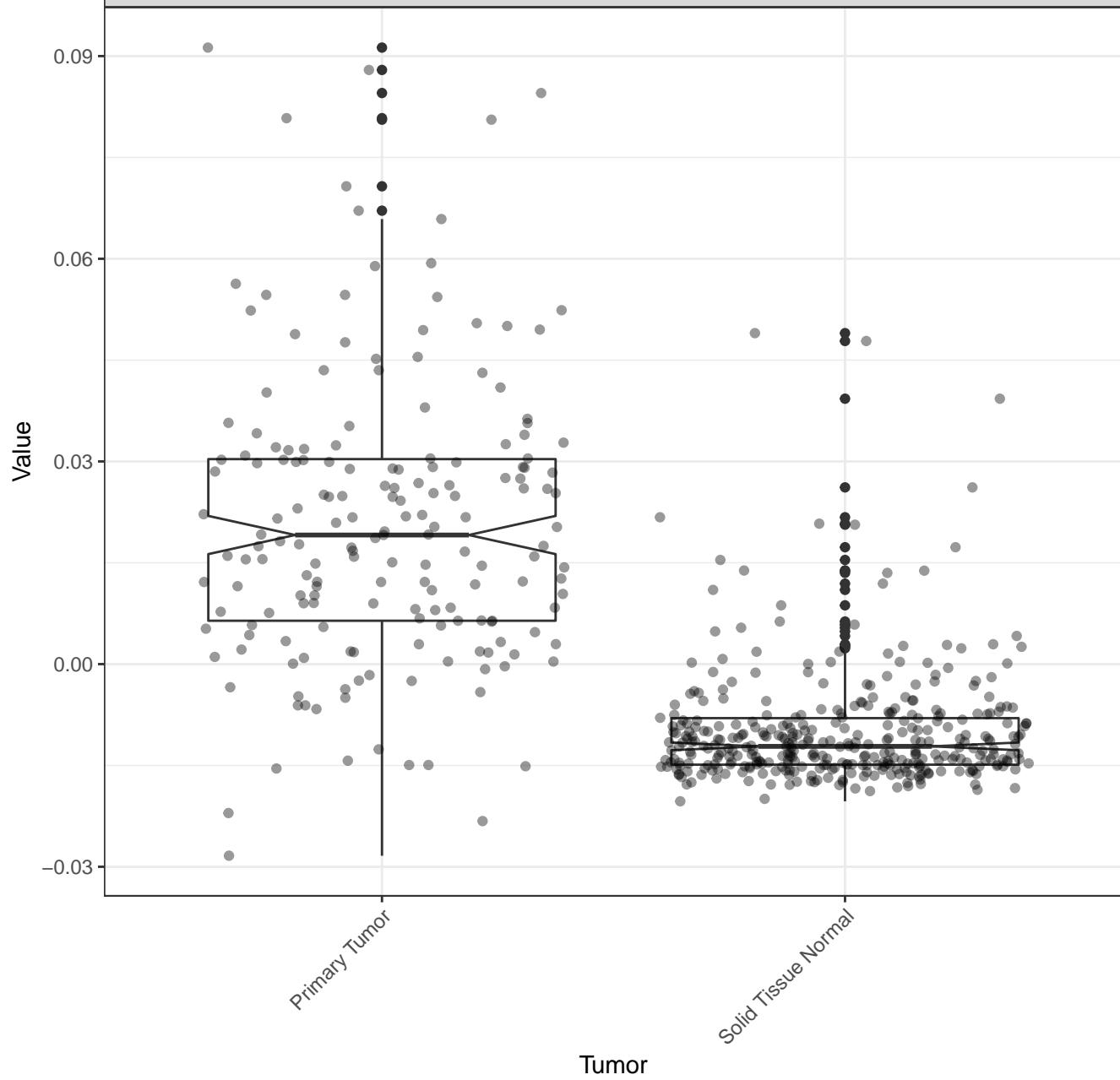
Primary Tumor

Solid Tissue Normal

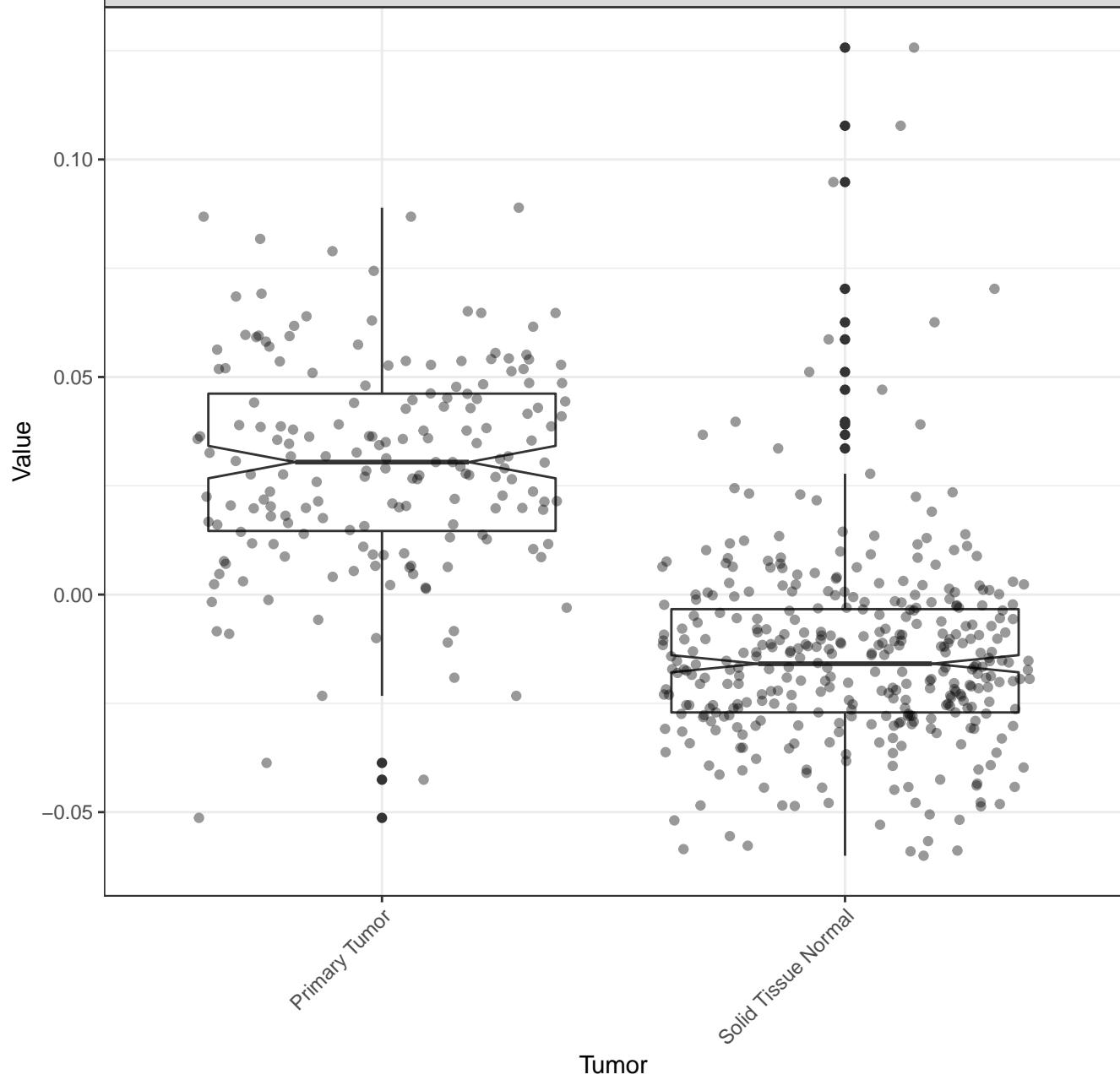
Tumor



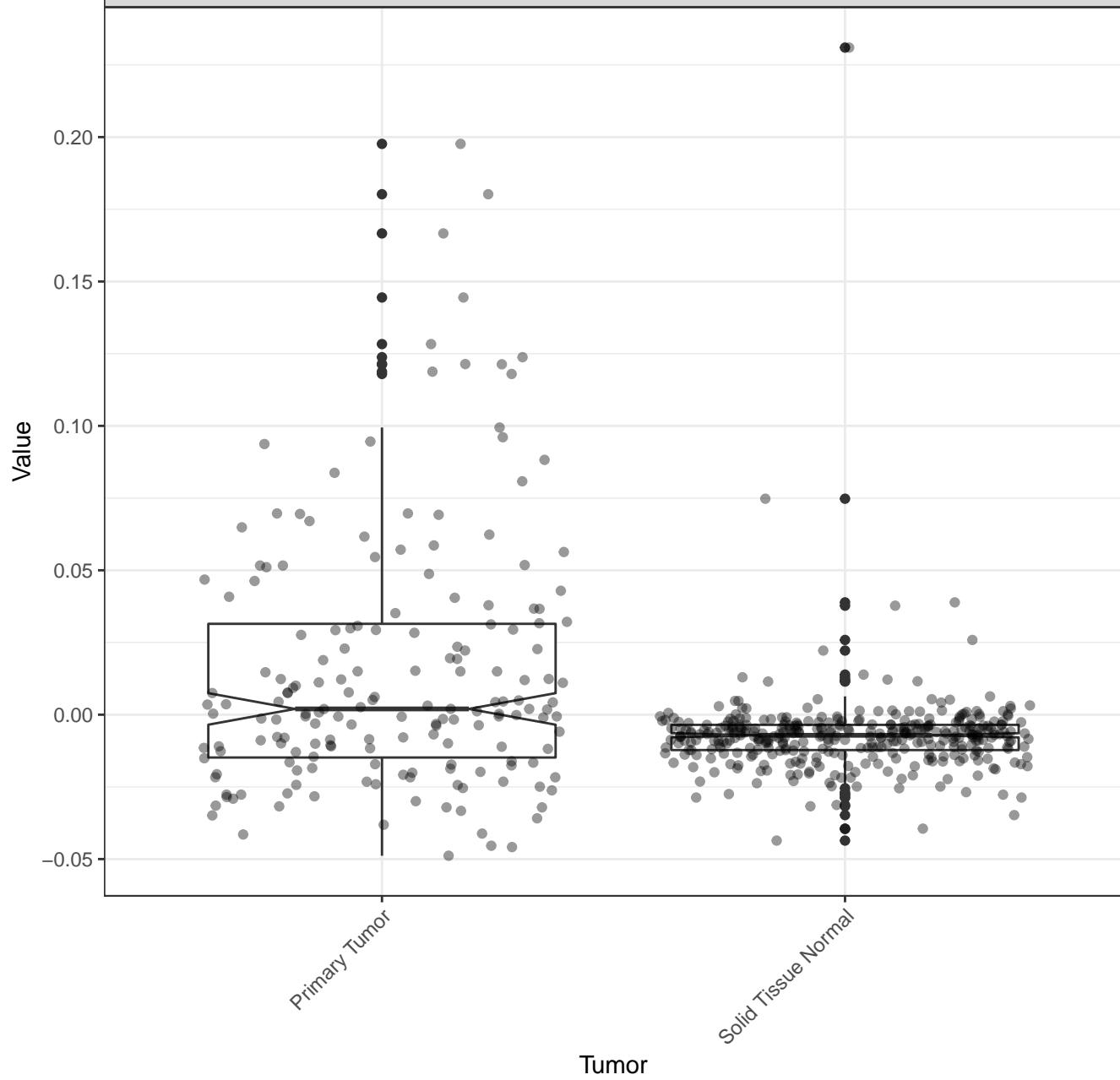
160,REACTOME_GPCR_DOWNSTREAM_SIGNALING



161,PID_ARF6_TRAFFICKINGPATHWAY



162,KEGG_GLYCOLYSIS_GLUCONEOGENESIS



163,KEGG_COMPLEMENT_AND_COAGULATION_CASCADES

Value

0.15

0.10

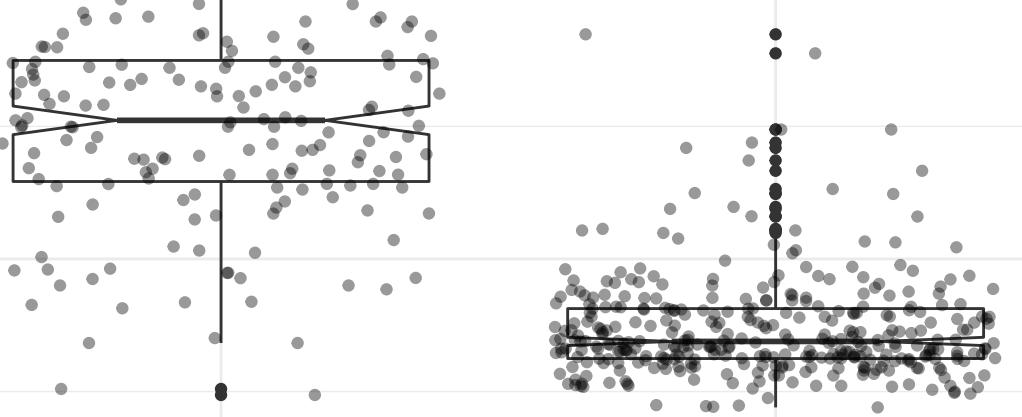
0.05

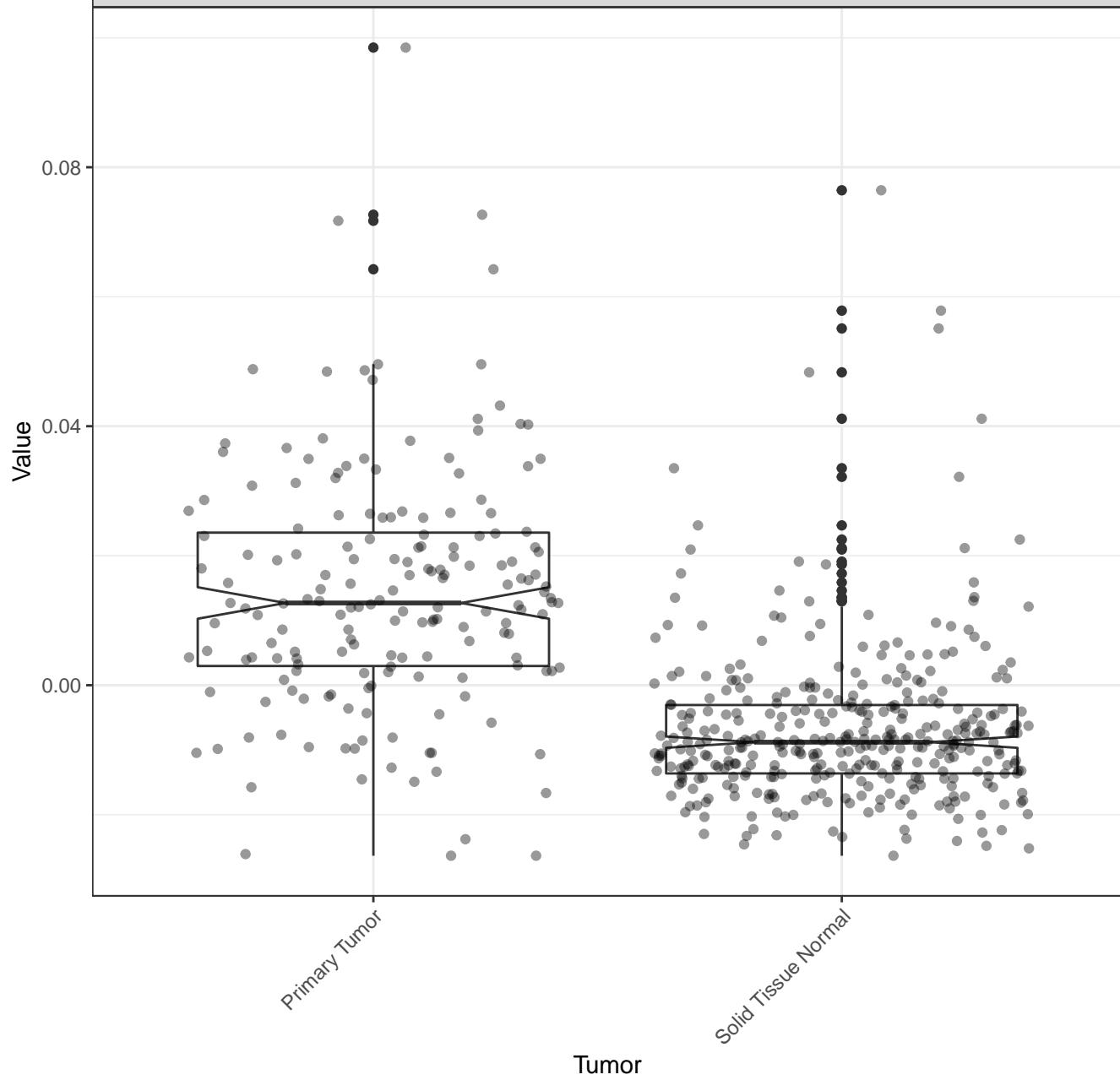
0.00

Primary Tumor

Solid Tissue Normal

Tumor





165,REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGREGATION

Value

0.15

0.10

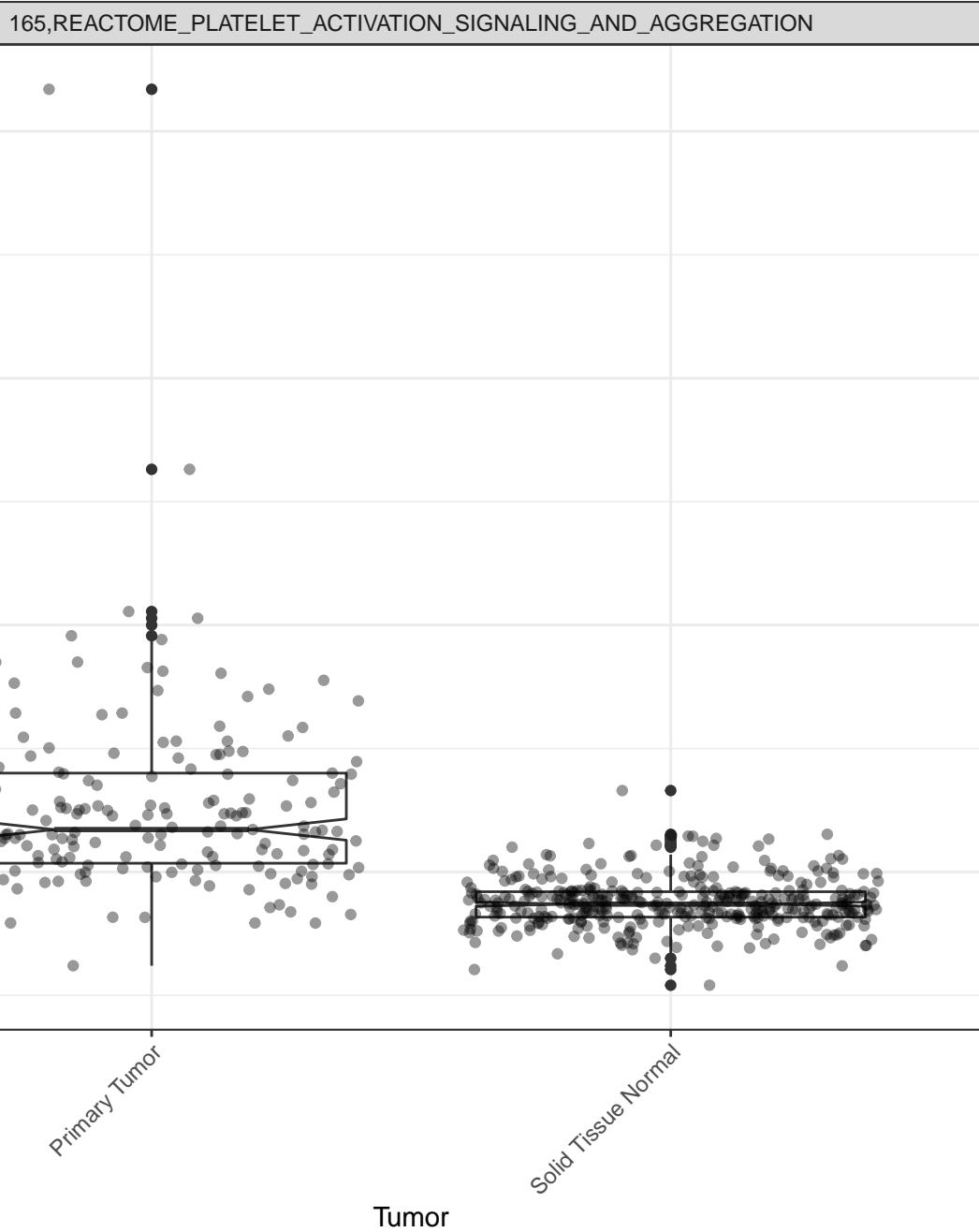
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.05

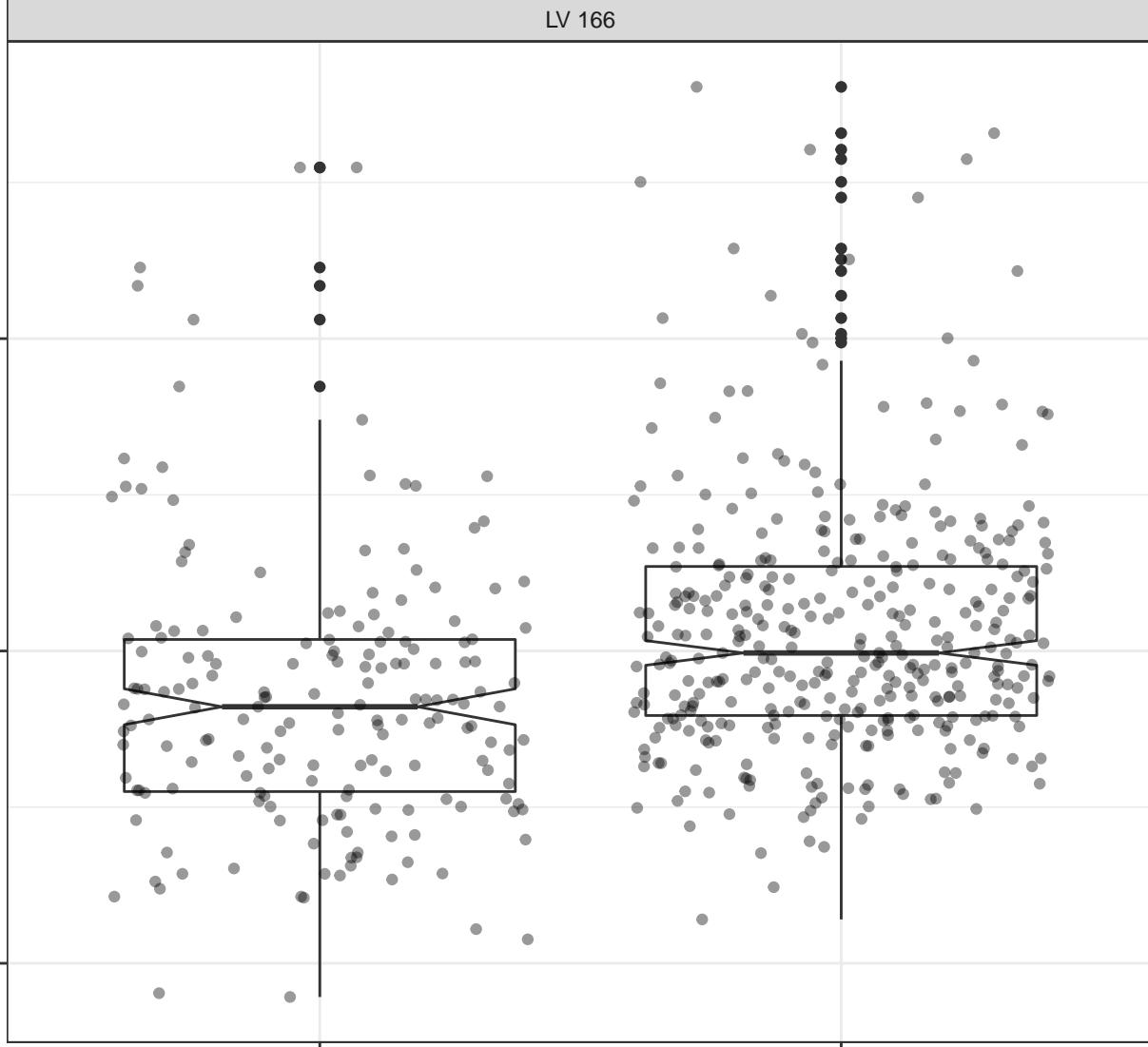
0.00

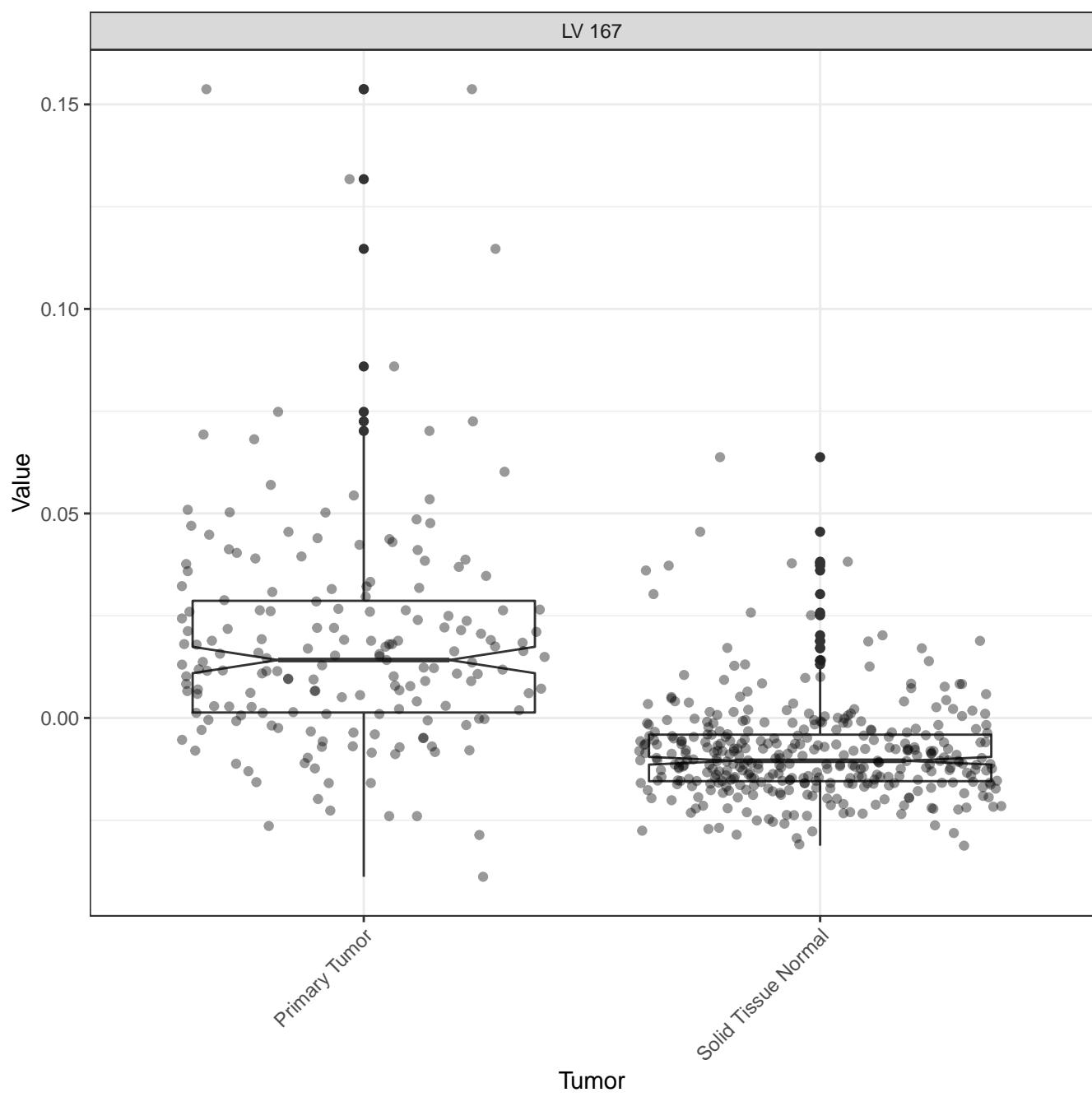
-0.05

Primary Tumor

Solid Tissue Normal

Tumor





168,REACTOME_MITOTIC_G1_G1_S_PHASES

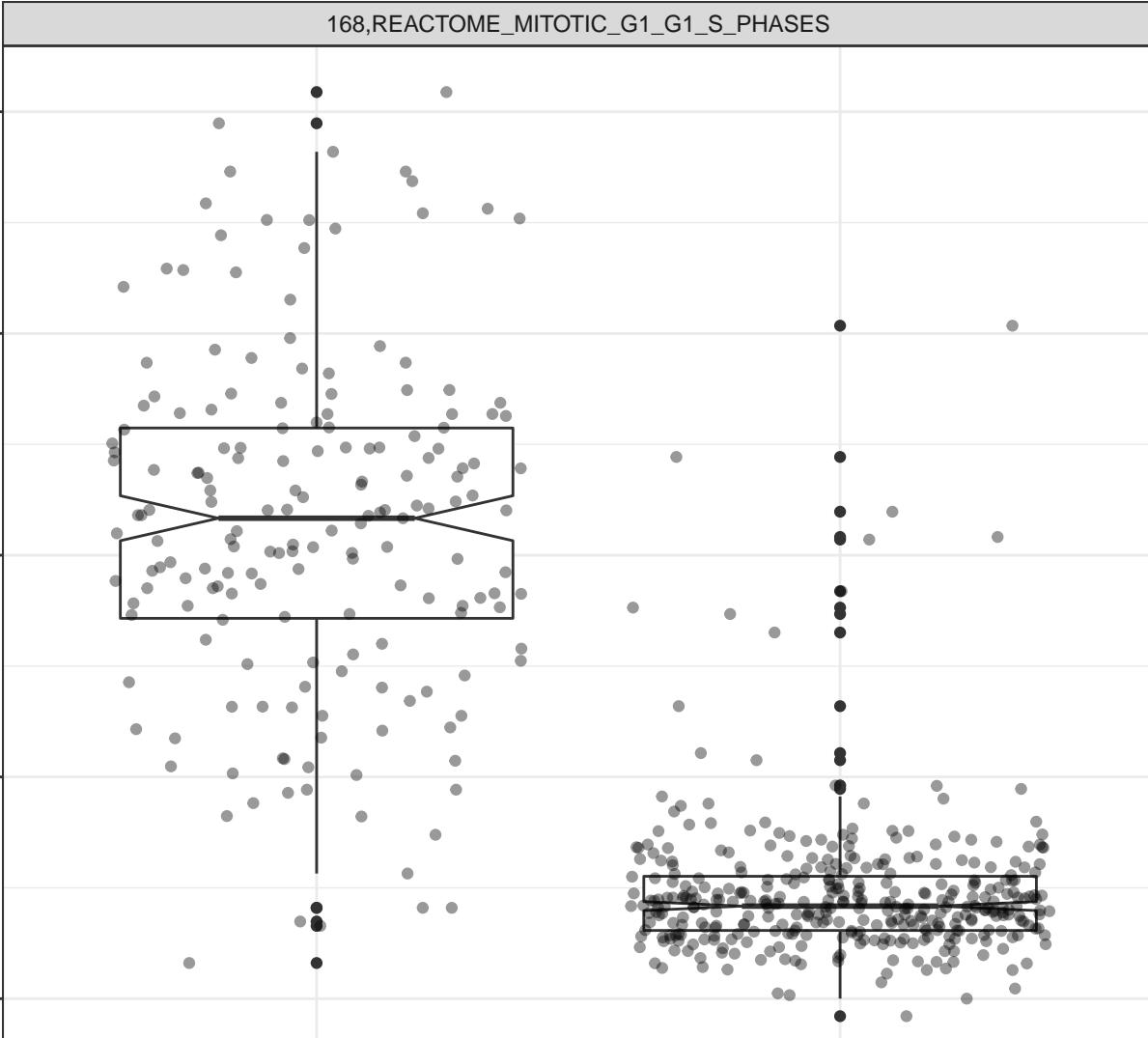
Value

0.075
0.050
0.025
0.000
-0.025

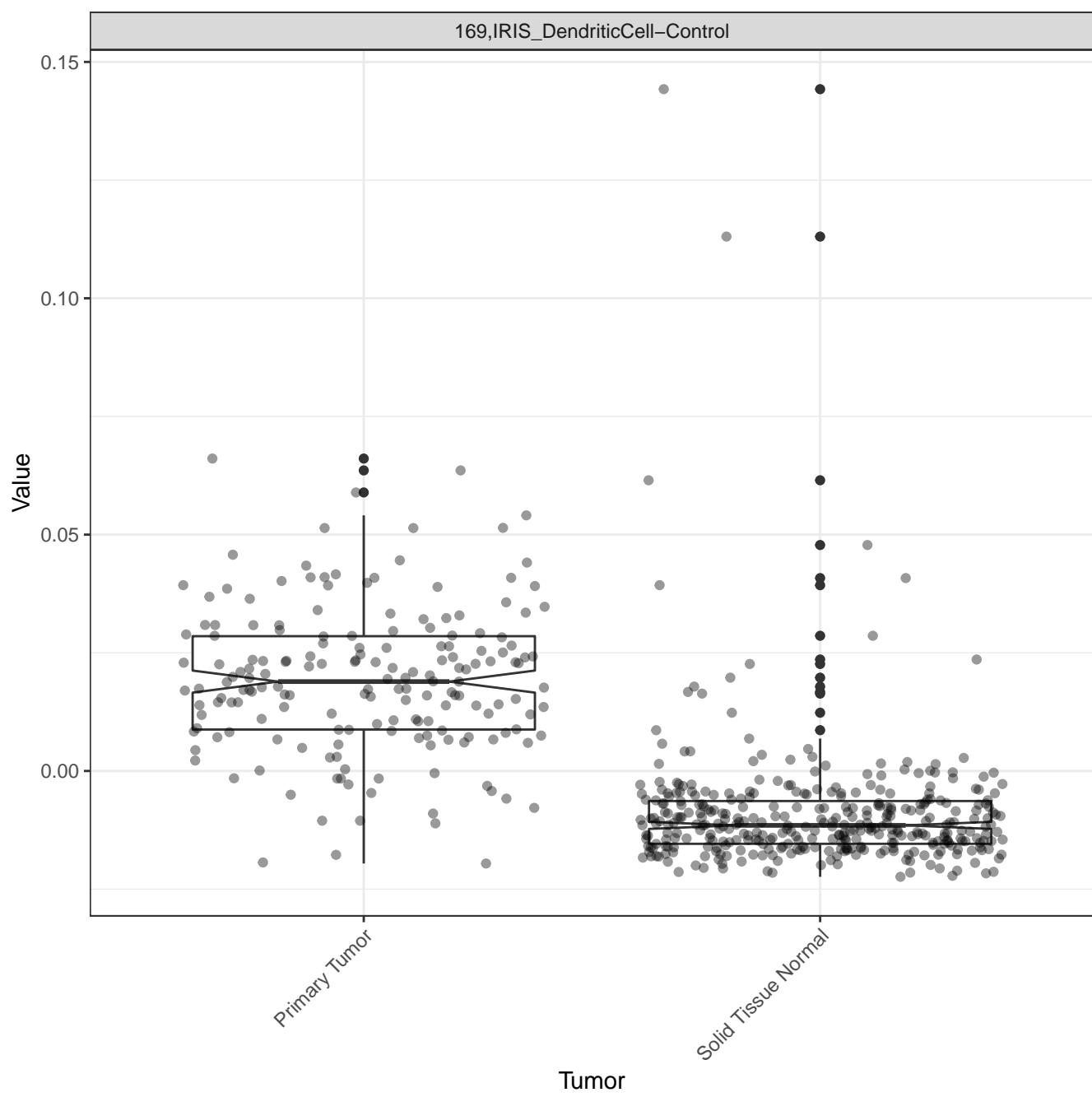
Primary Tumor

Solid Tissue Normal

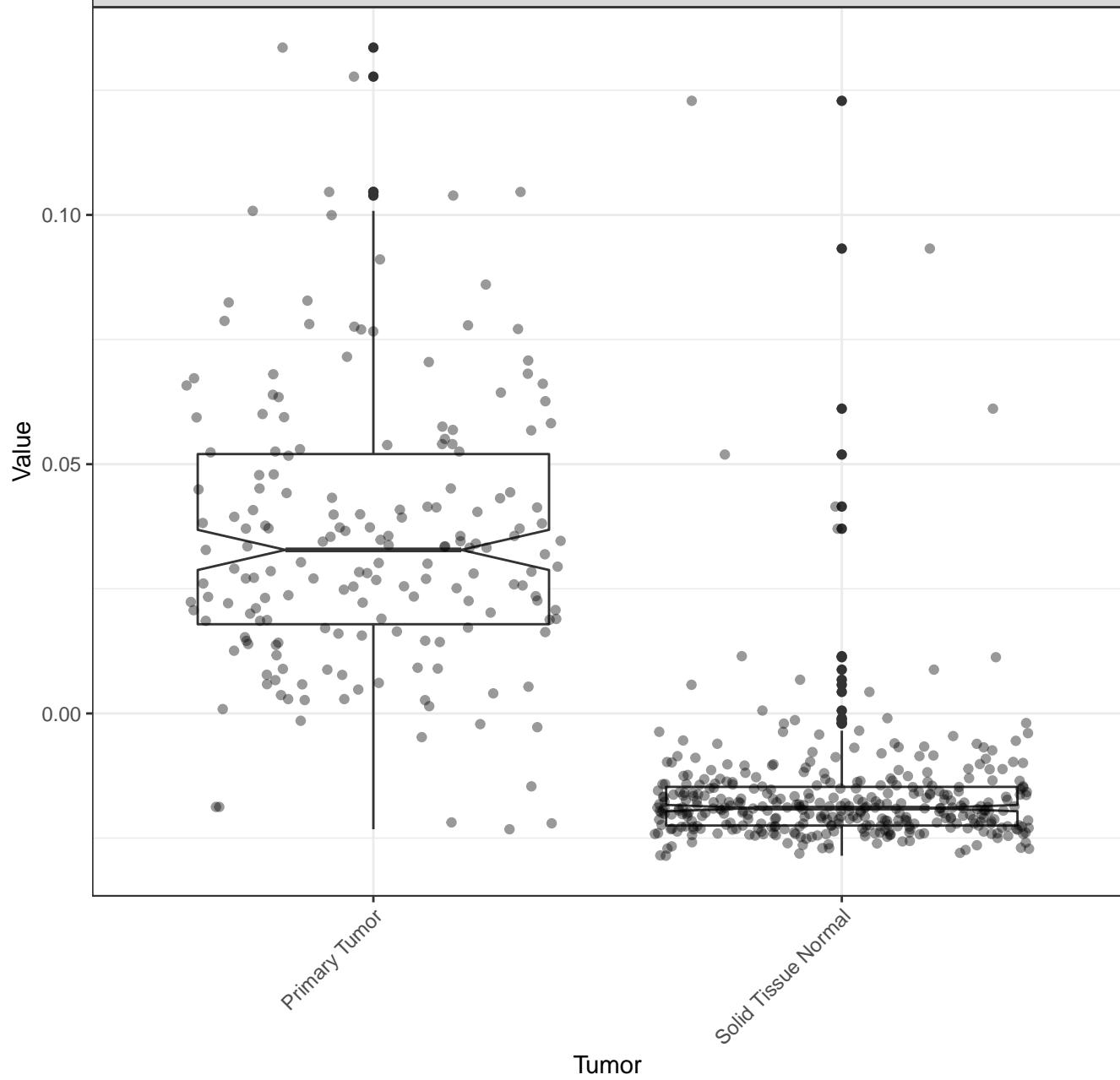
Tumor



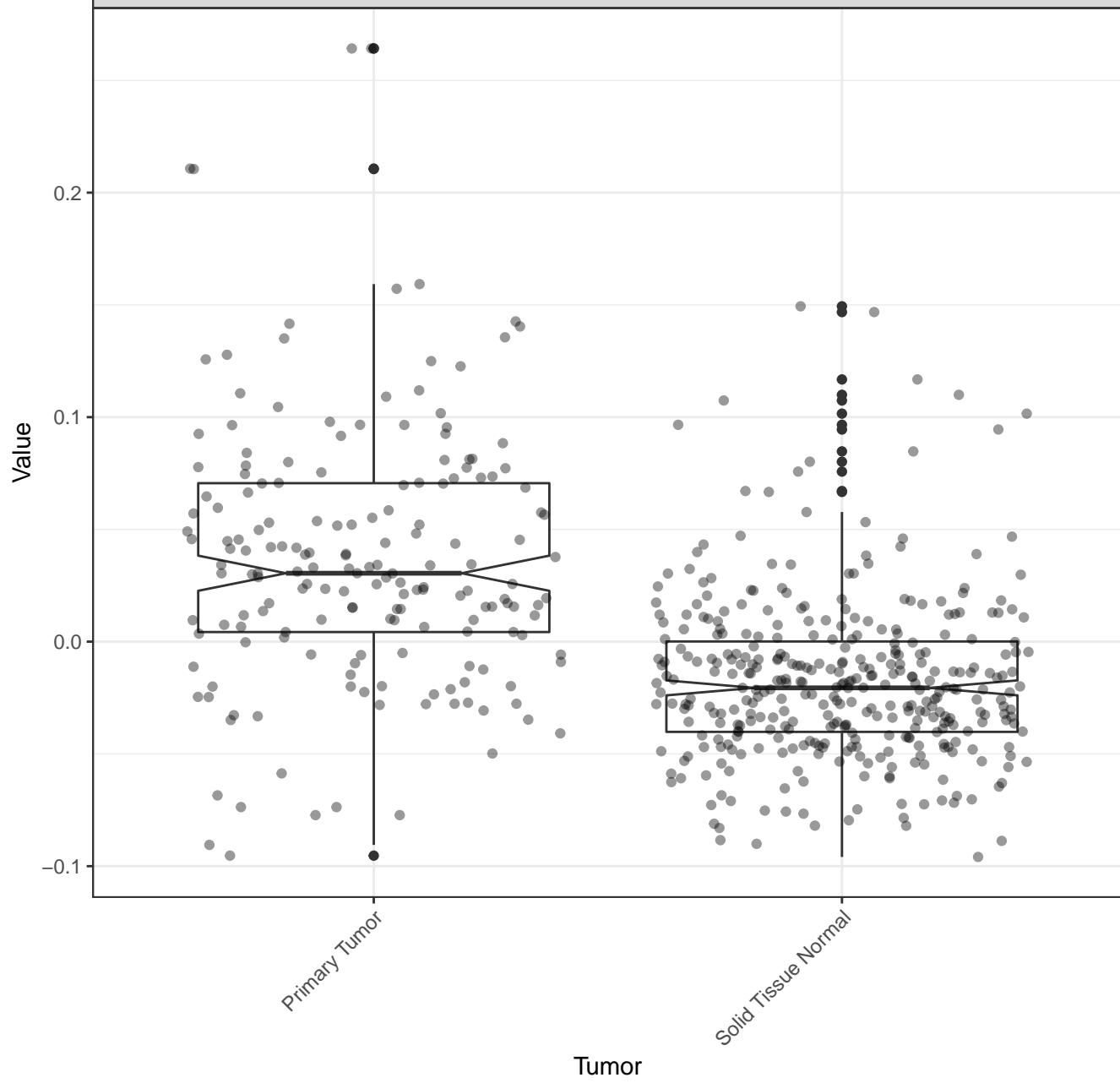
169,IRIS_DendriticCell-Control



170,KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY

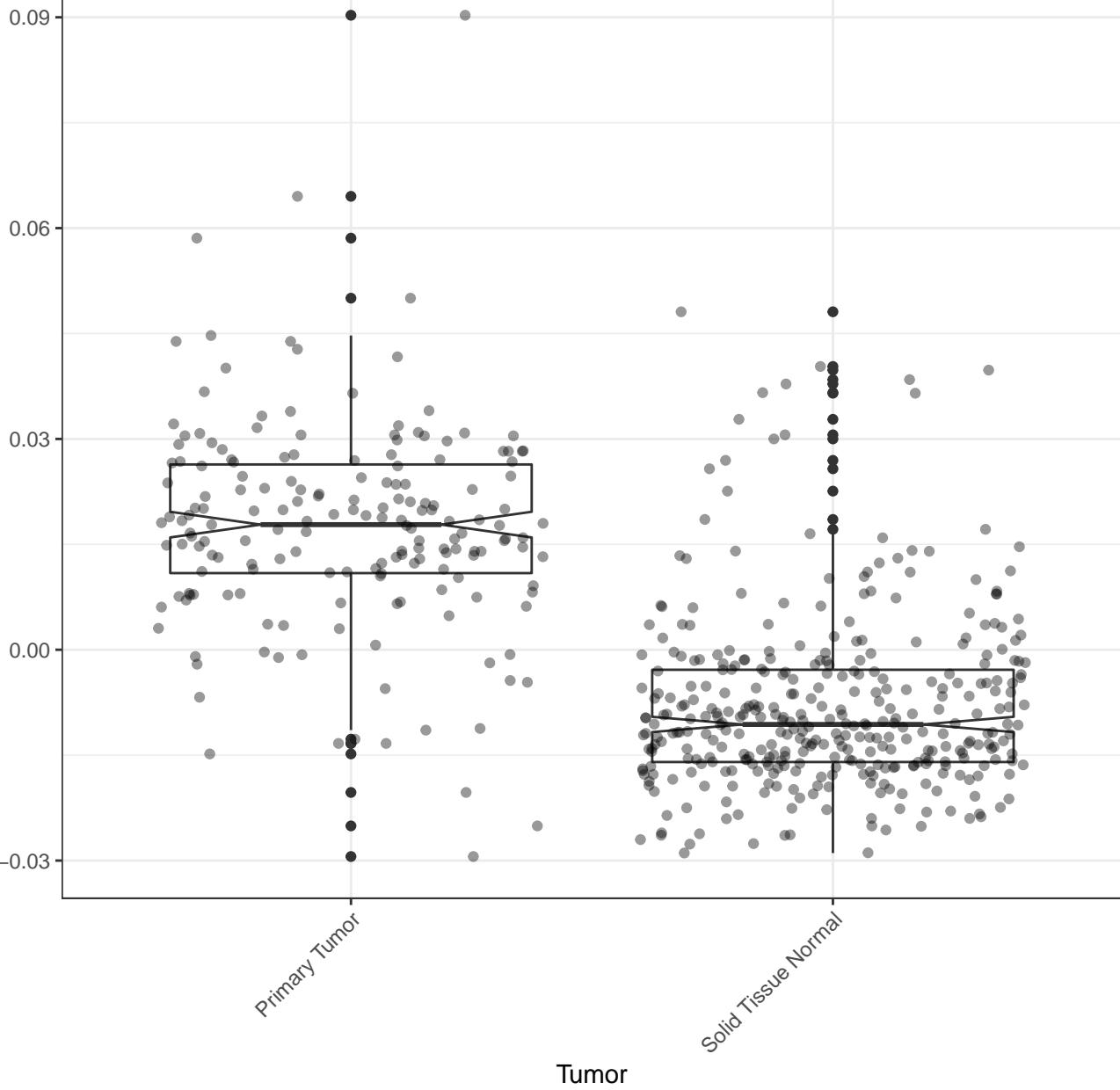


171,REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE

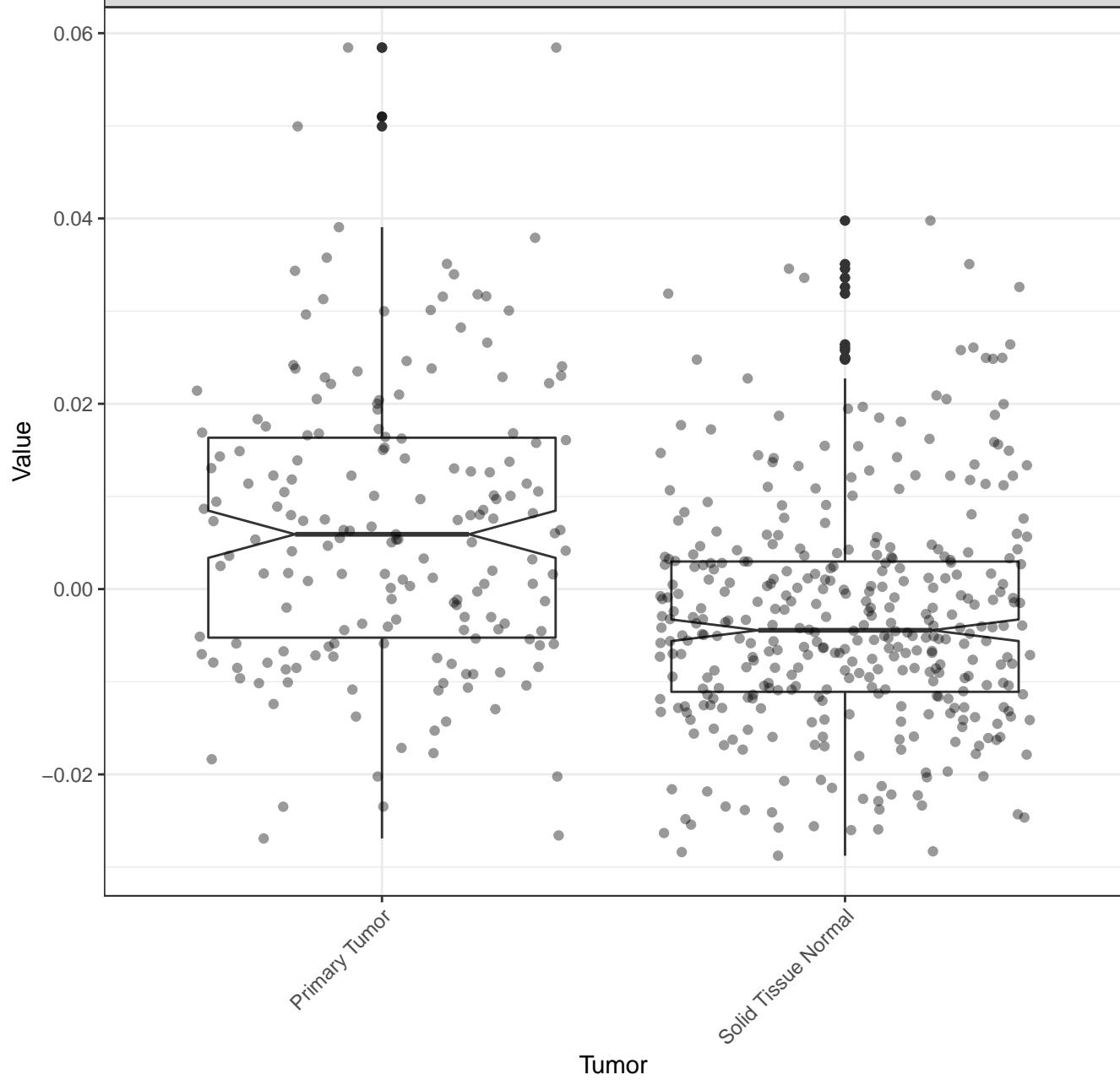


LV 172

Value



LV 173



174,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES

Value

0.10

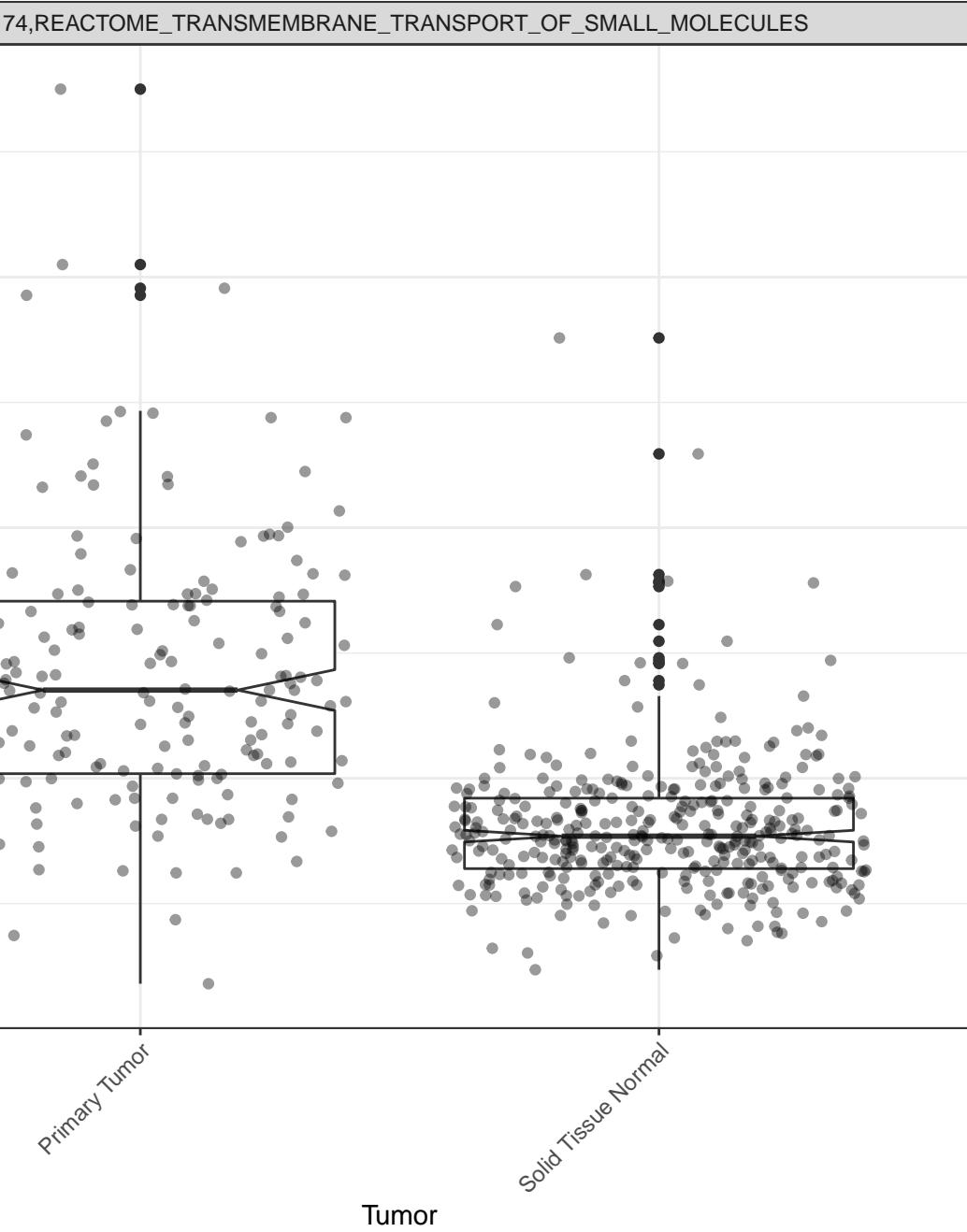
0.05

0.00

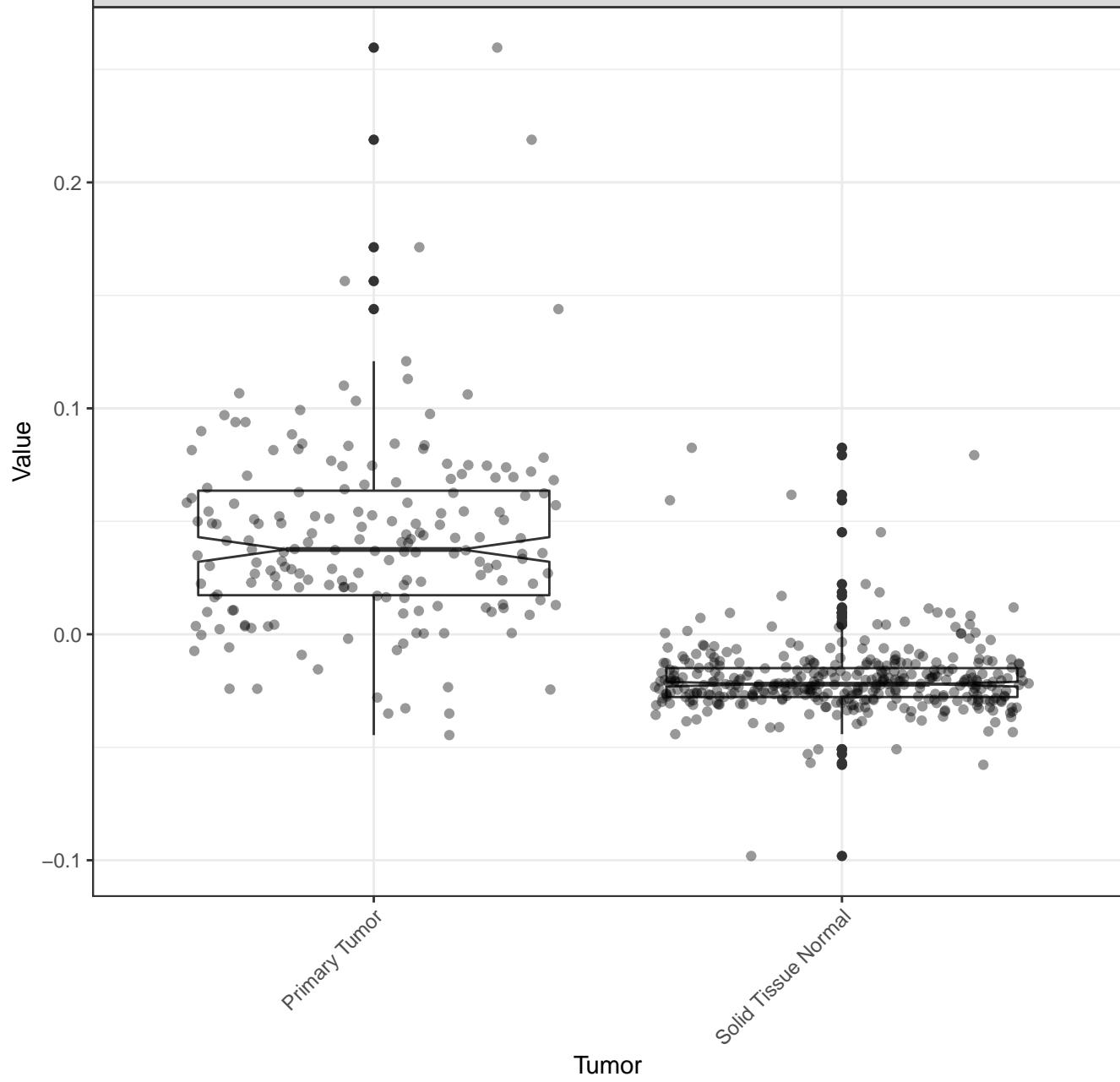
Primary Tumor

Tumor

Solid Tissue Normal



175,SVM T cells CD8



176,KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS

Value

0.10

0.05

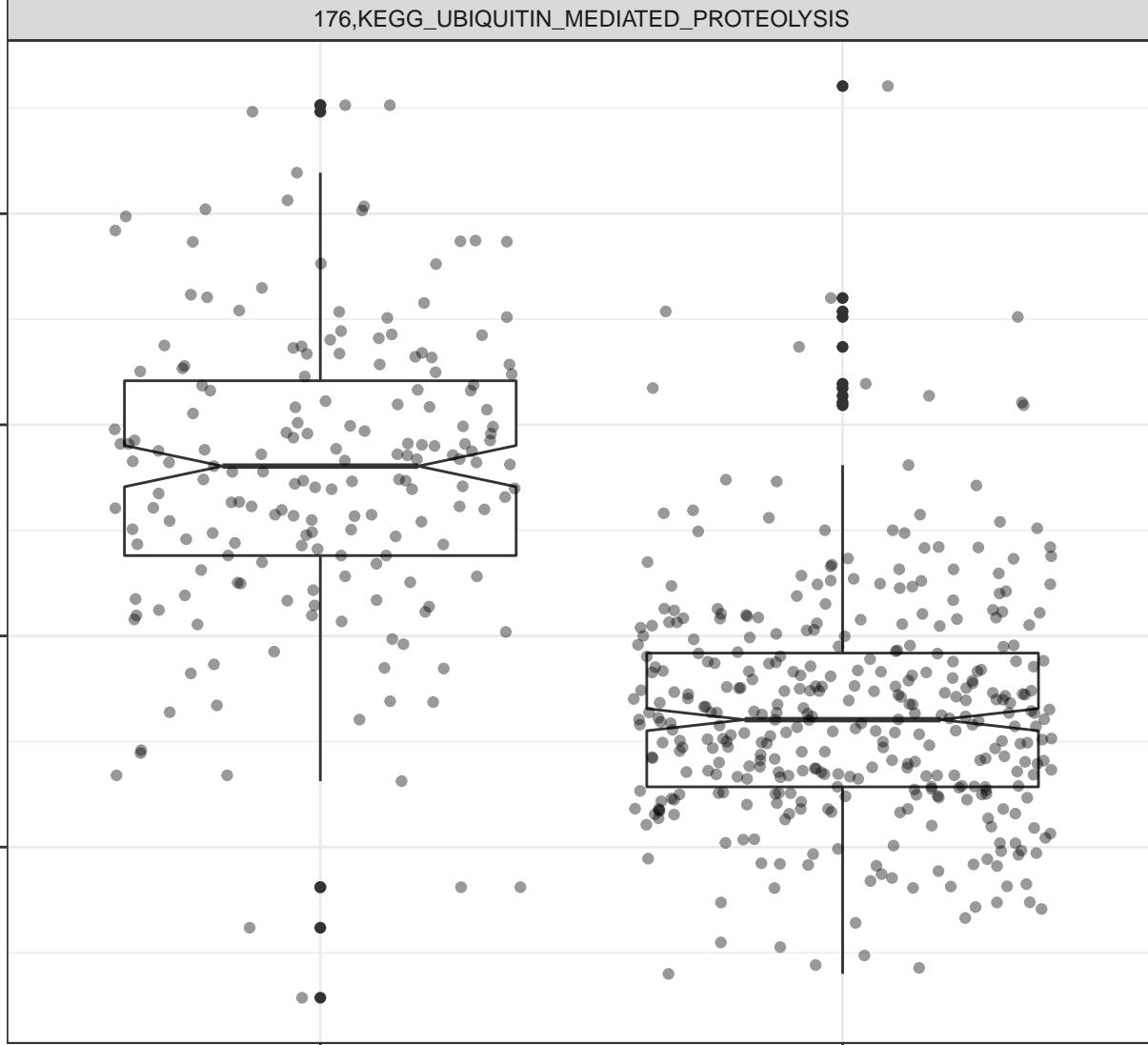
0.00

-0.05

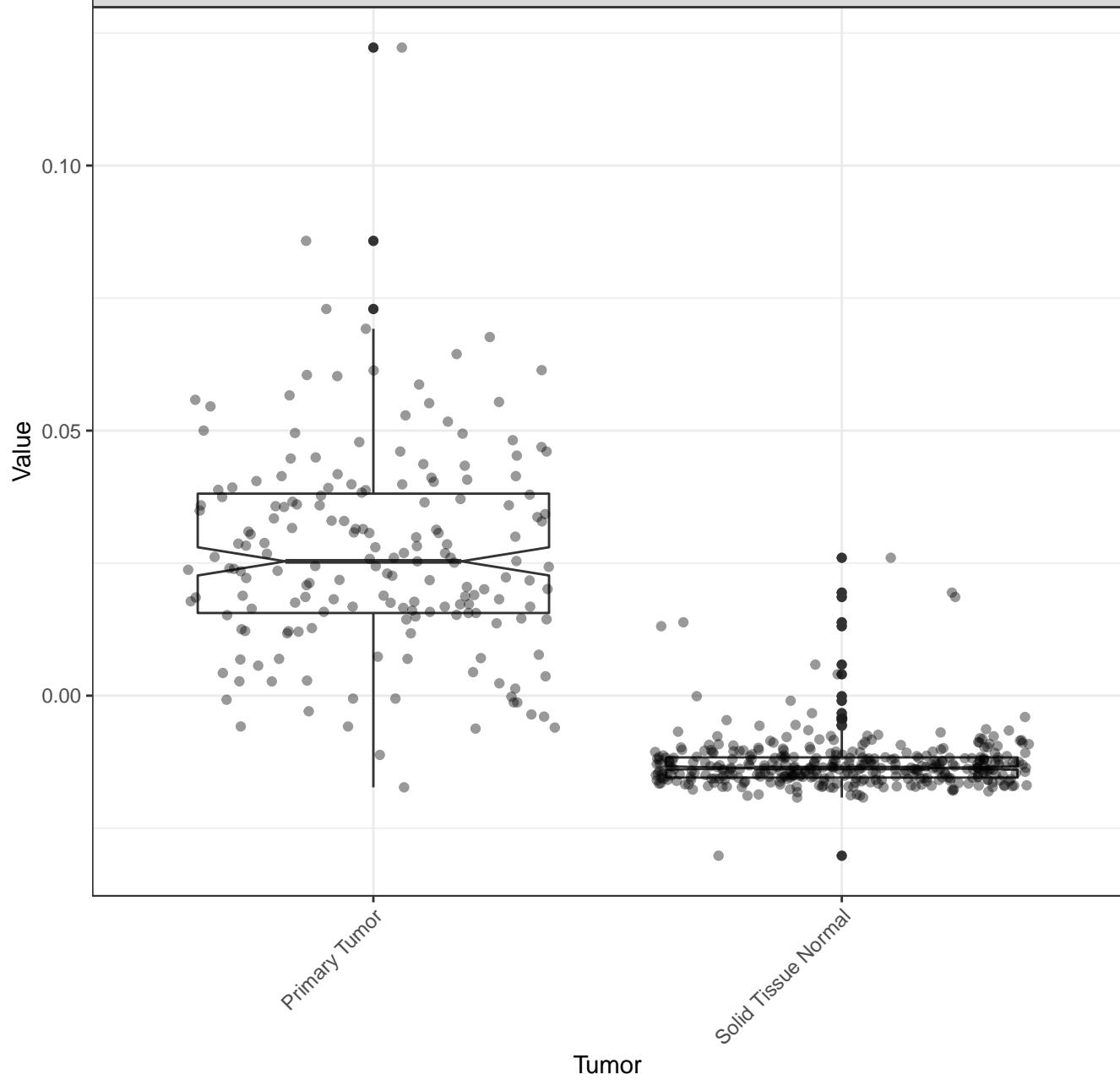
Primary Tumor

Solid Tissue Normal

Tumor



177,PID_CDC42_PATHWAY



Value

0.15

0.10

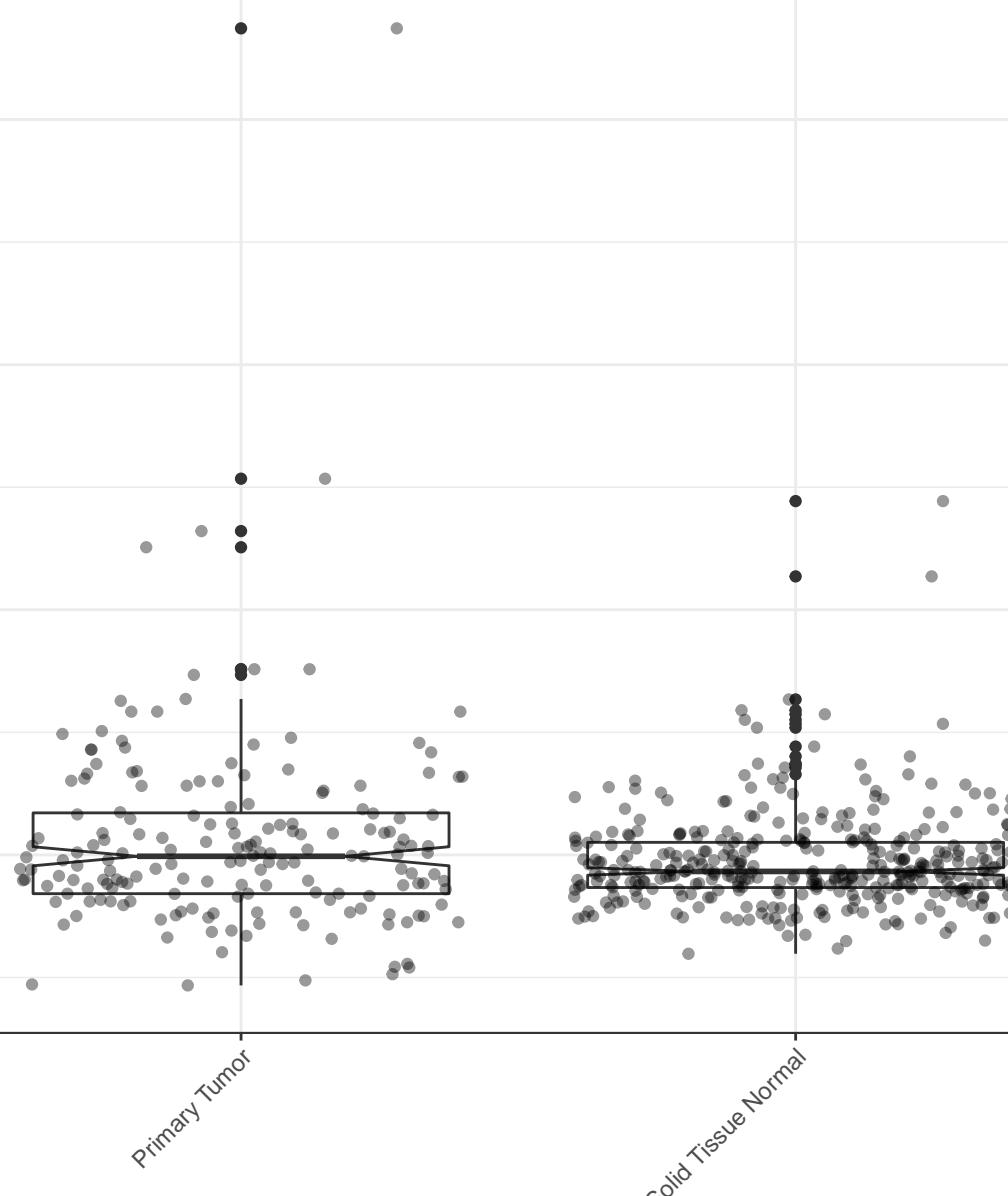
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 179

Value

0.08

0.04

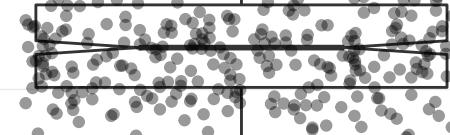
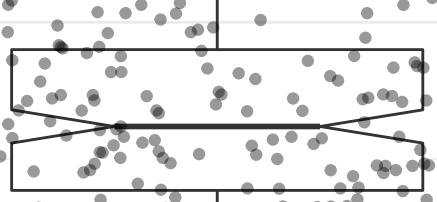
0.00

-0.04

Primary Tumor

Solid Tissue Normal

Tumor



LV 180

Value

0.09

0.06

0.03

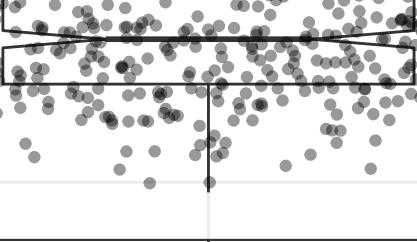
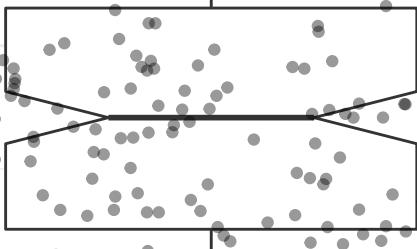
0.00

-0.03

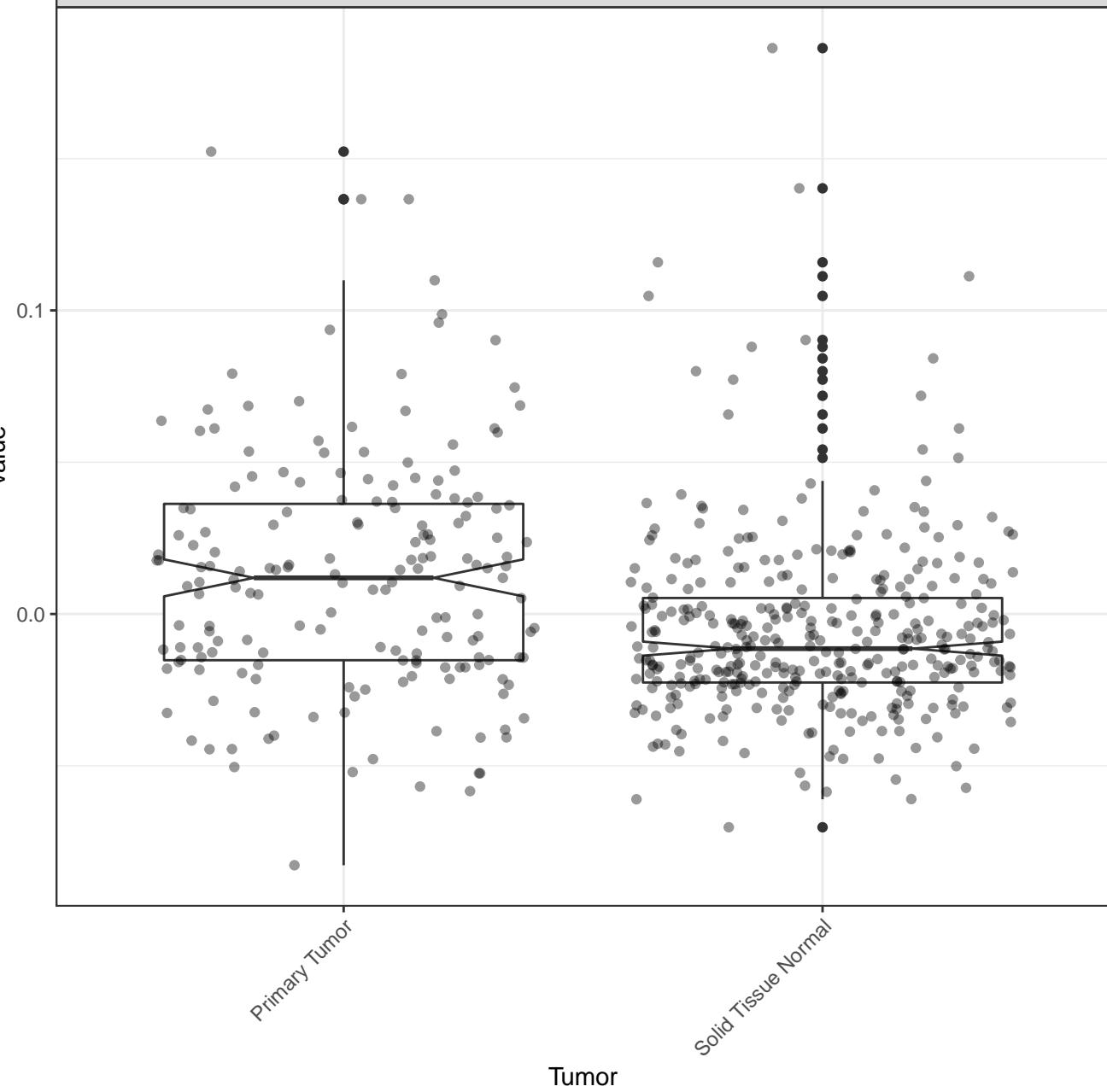
Primary Tumor

Solid Tissue Normal

Tumor



Value



LV 182

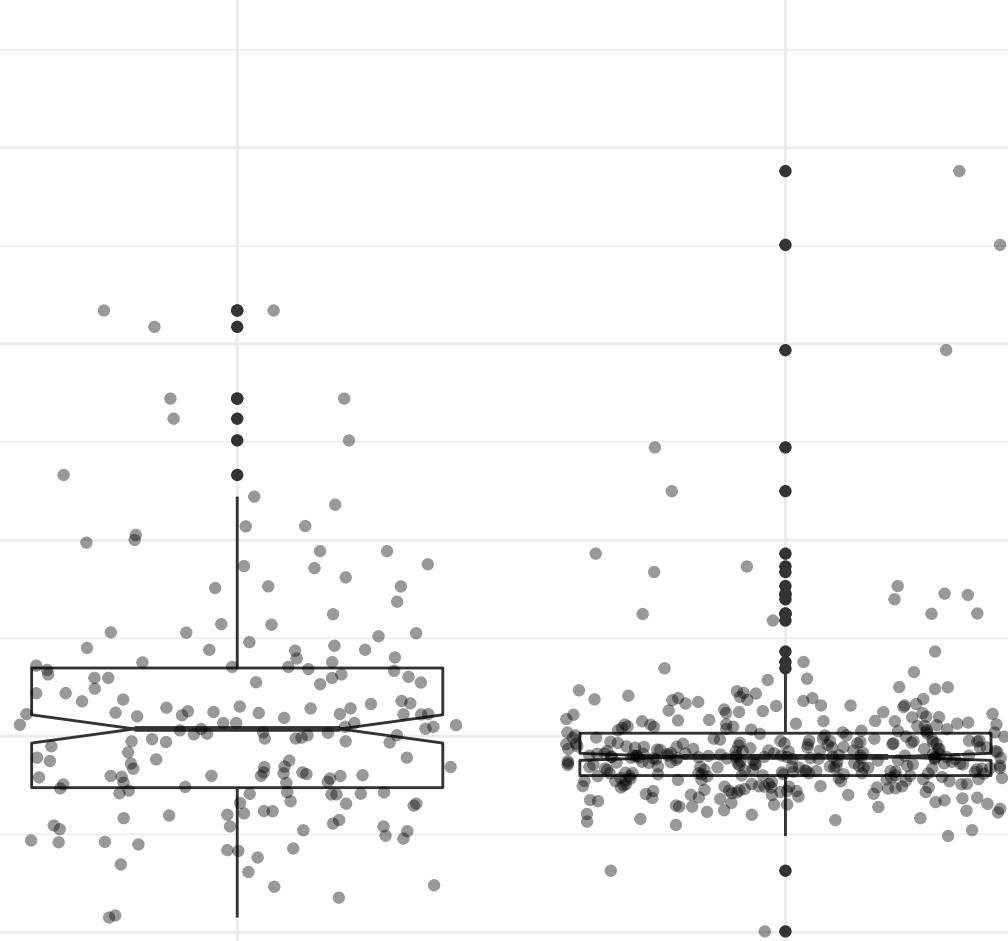
Value

0.20
0.15
0.10
0.05
0.00
-0.05

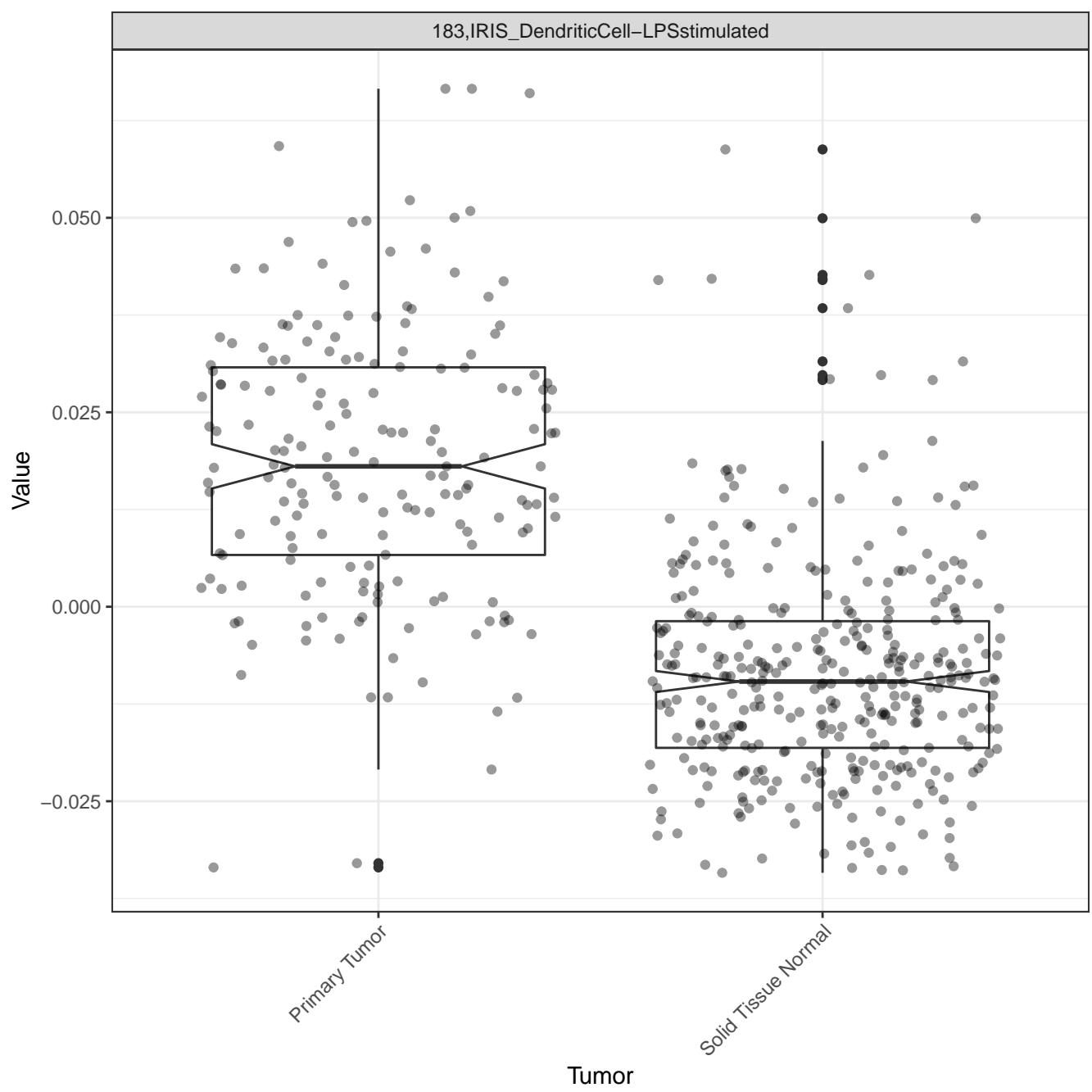
Primary Tumor

Solid Tissue Normal

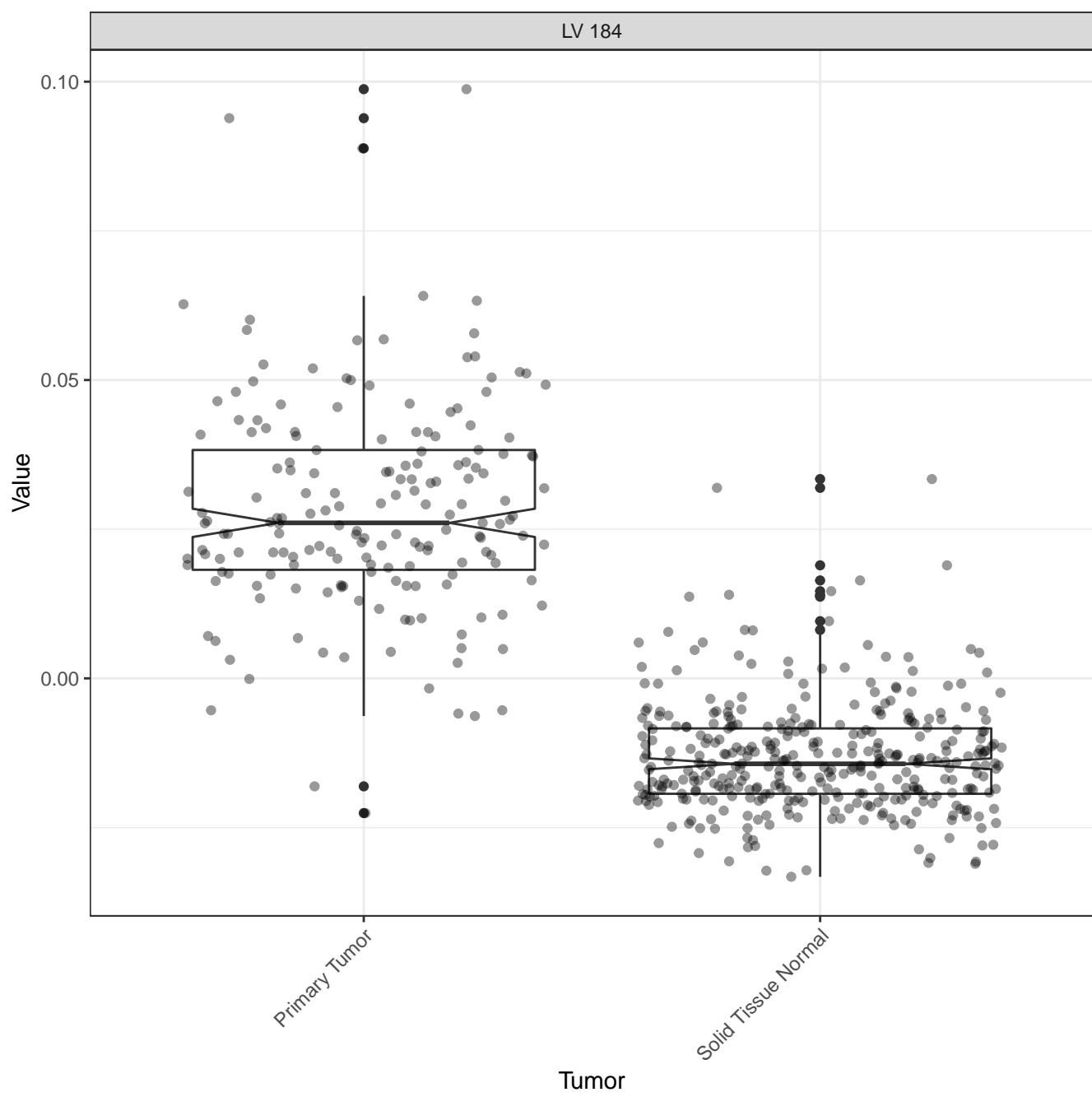
Tumor



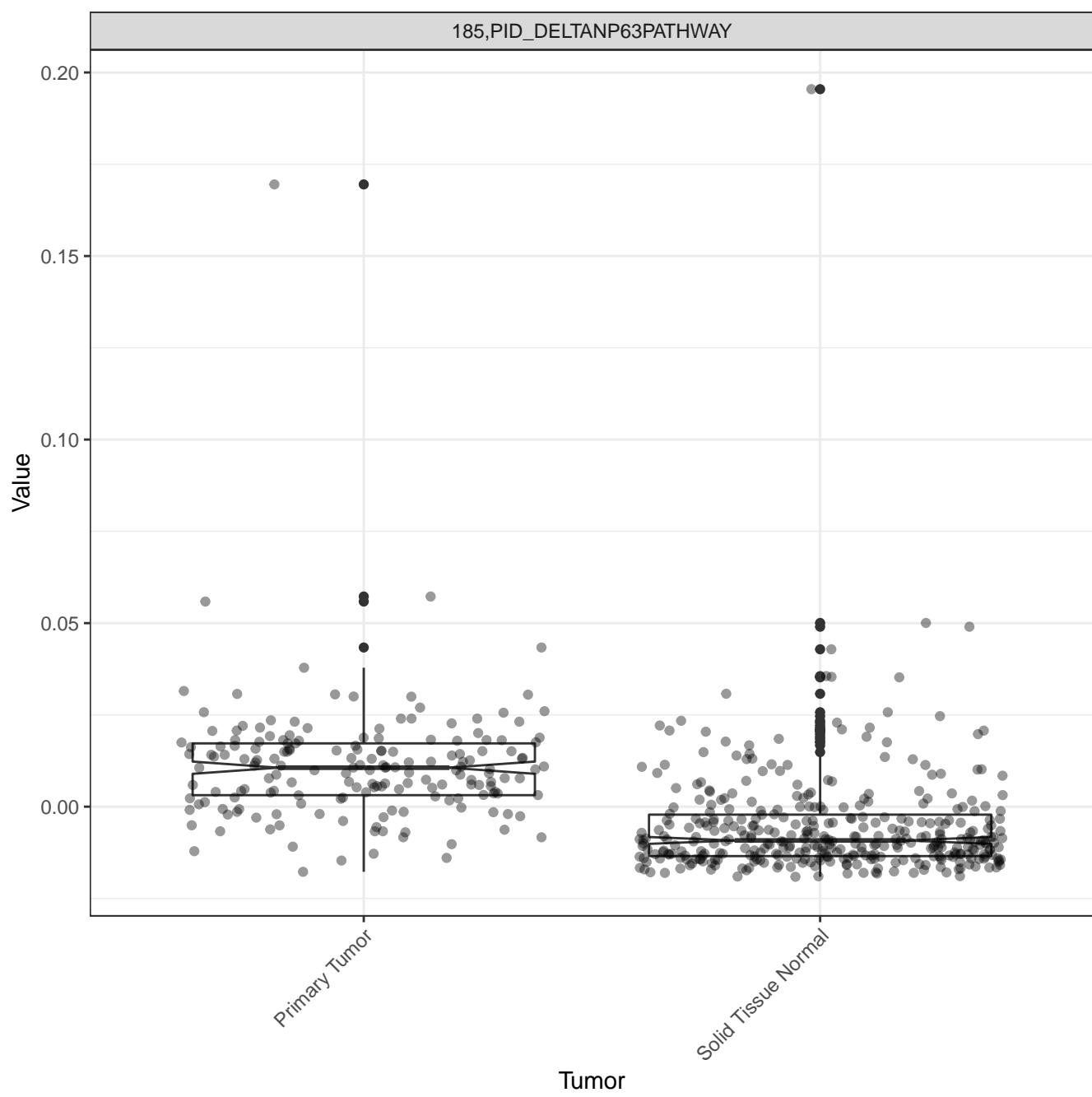
183,IRIS_DendriticCell-LPSstimulated



LV 184



185,PID_DELTANP63PATHWAY



186,SVM T cells CD4 memory activated

Value

0.20

0.15

0.10

0.05

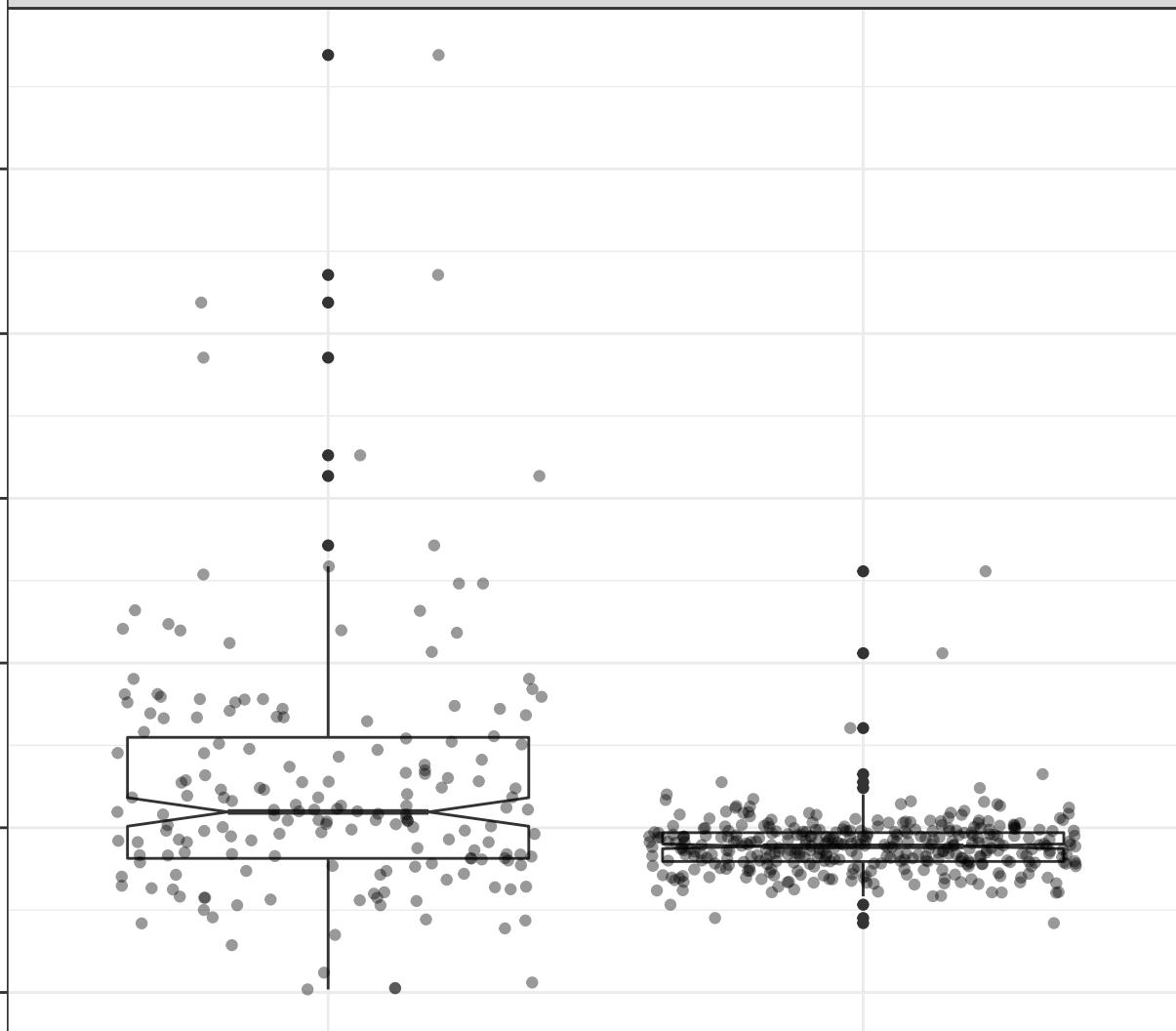
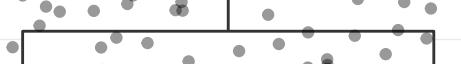
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



187,KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM

Value

0.2

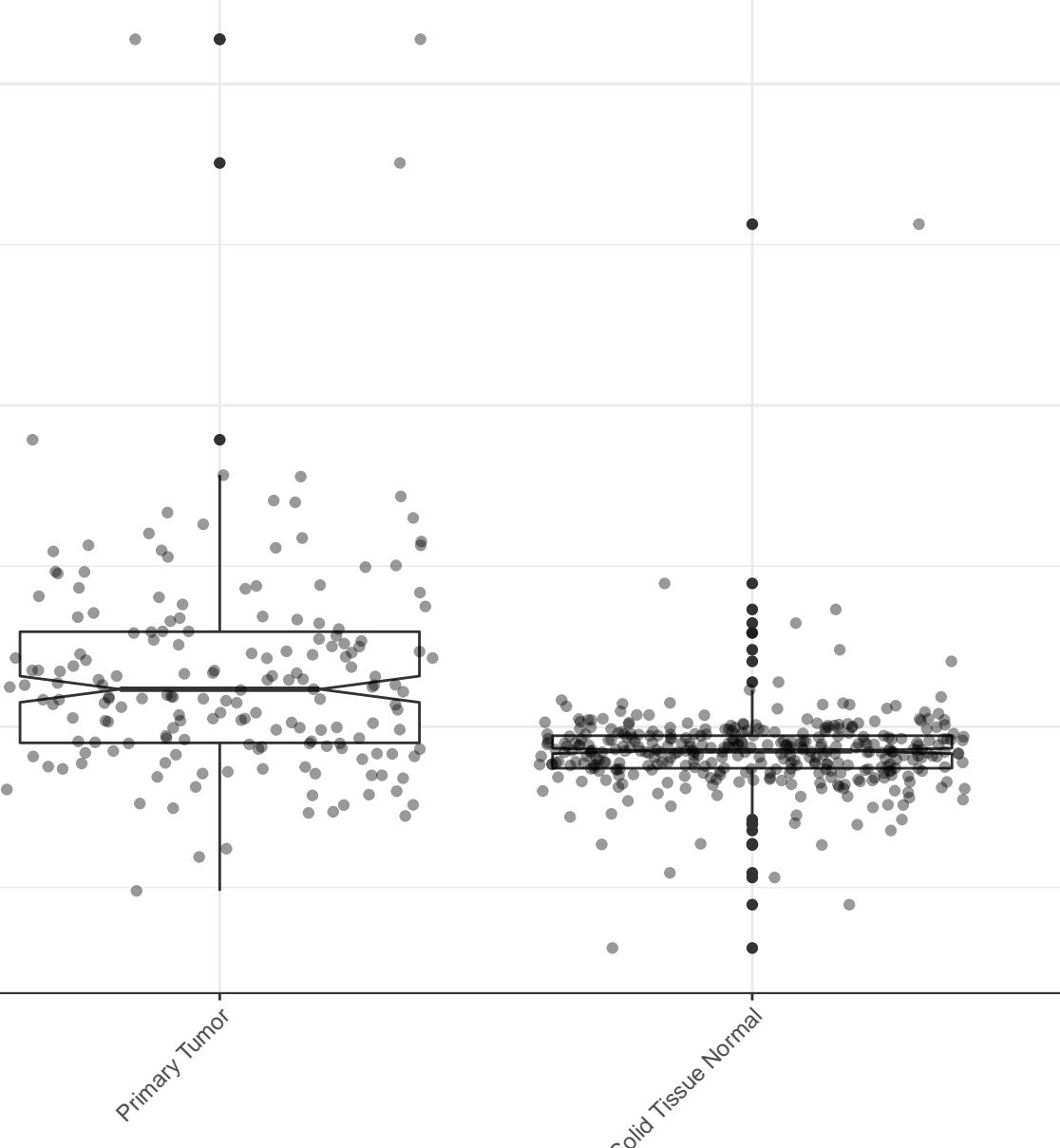
0.1

0.0

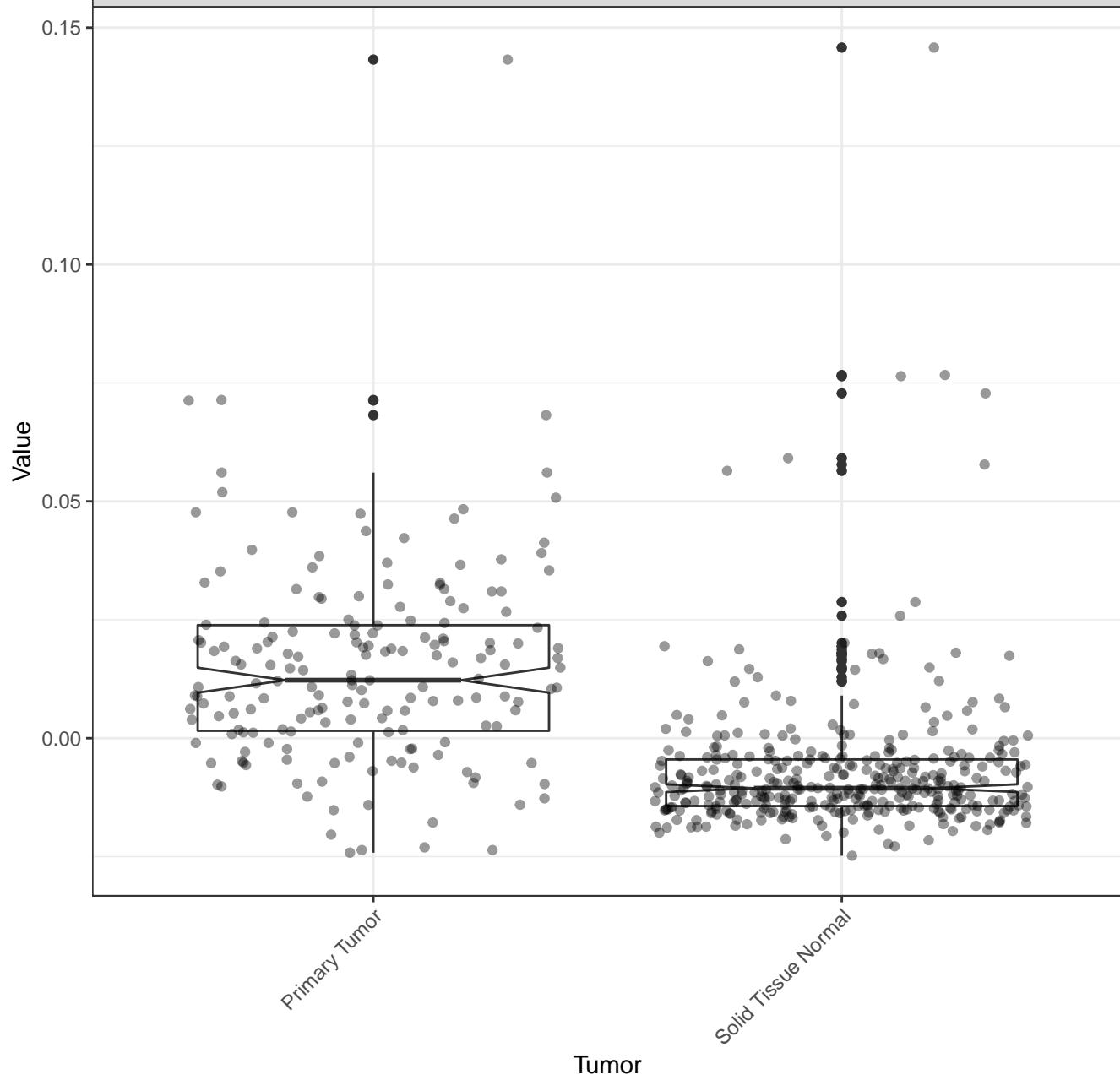
Primary Tumor

Solid Tissue Normal

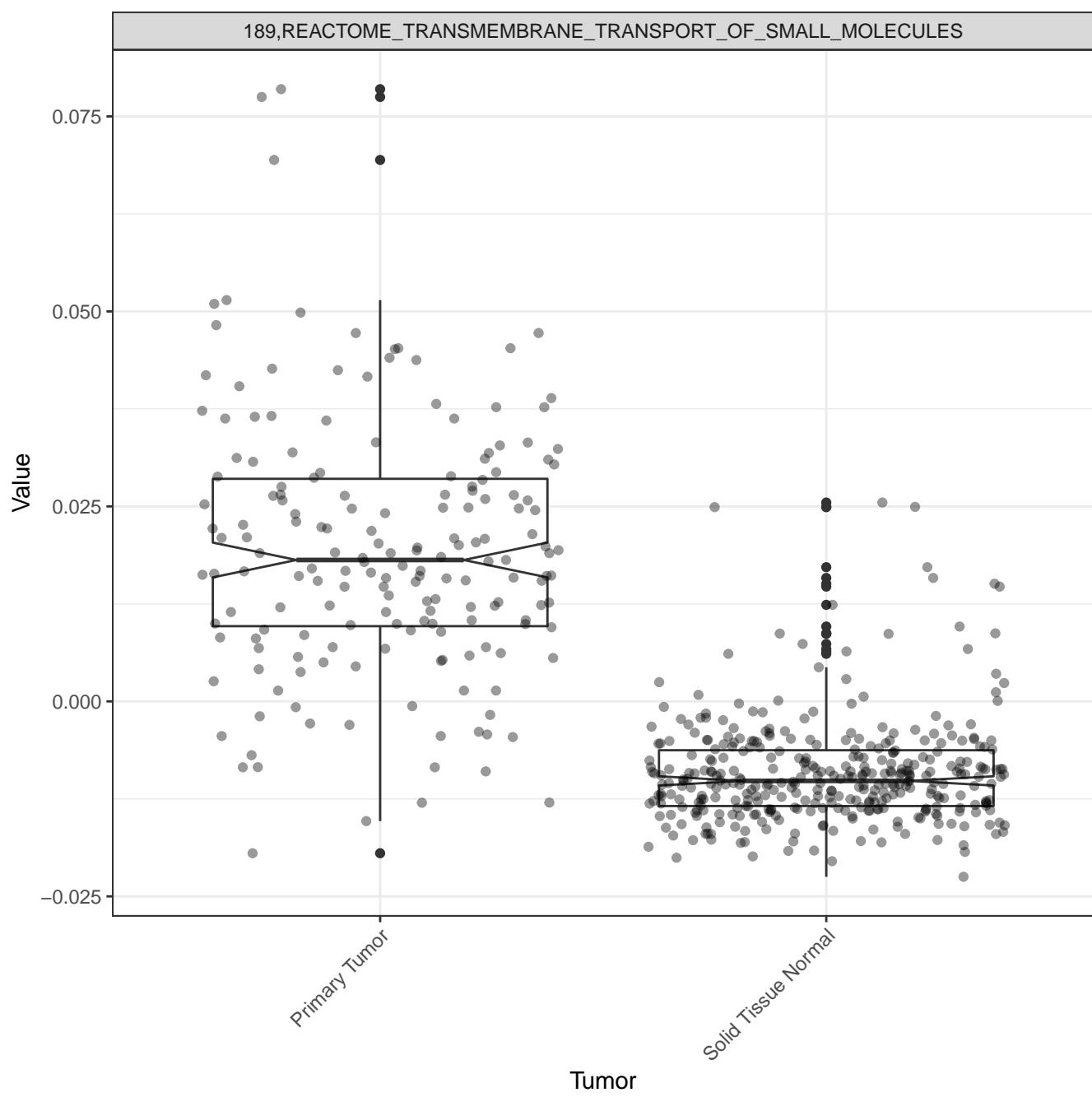
Tumor



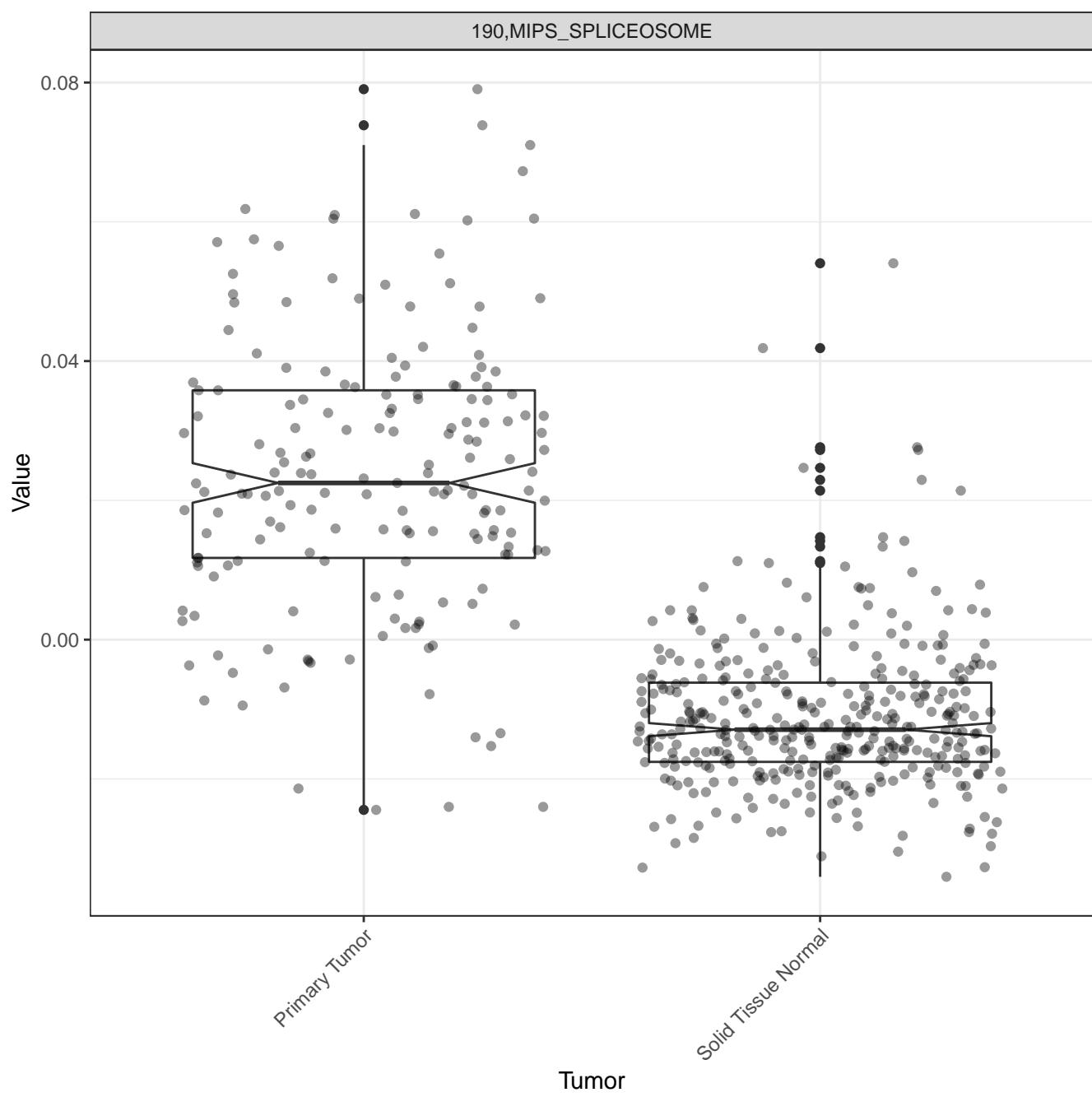
188,KEGG_PATHWAYS_IN_CANCER



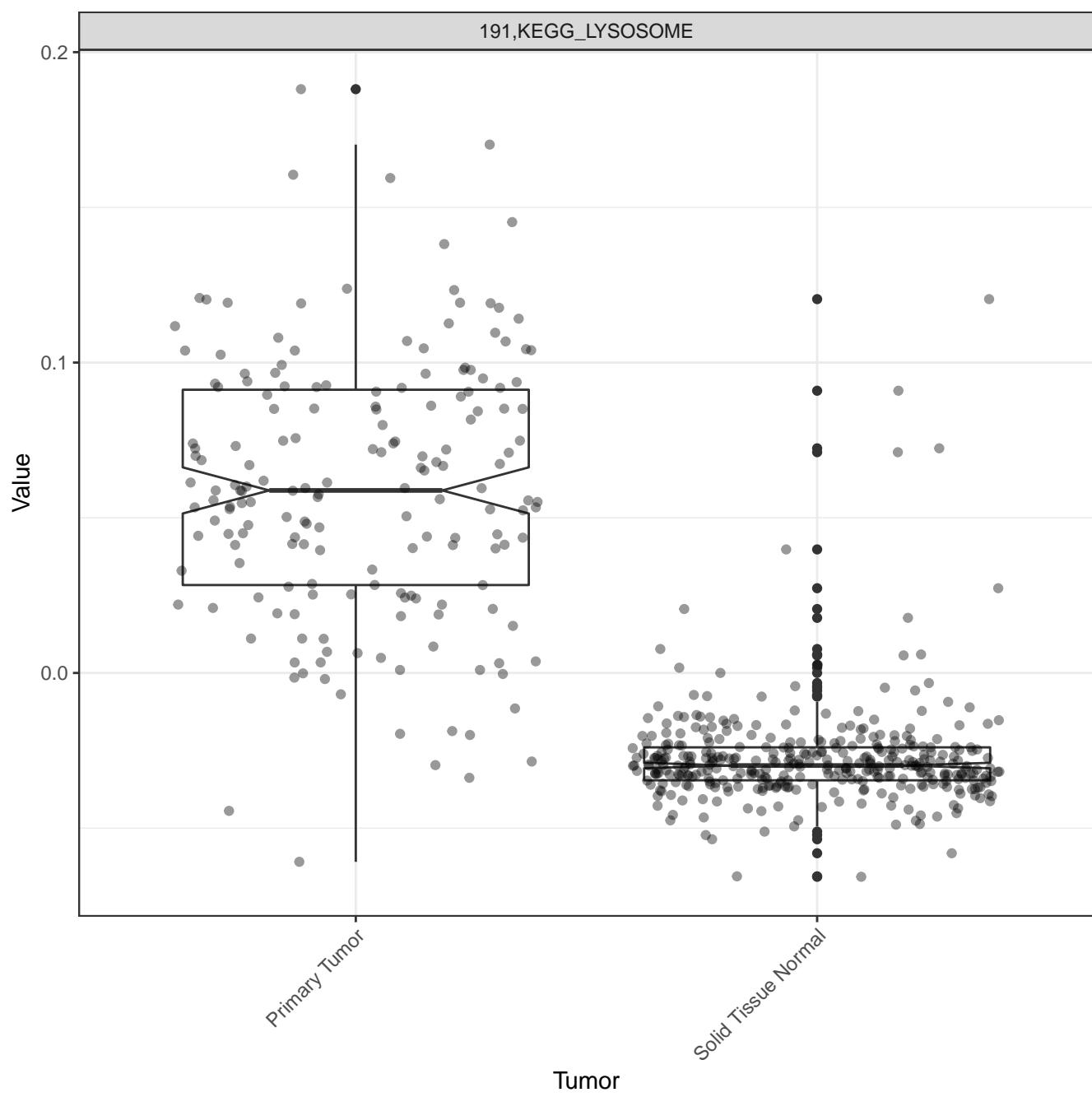
189,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES



190,MIPS_SPLICEOSOME



191,KEGG_LYSOSOME



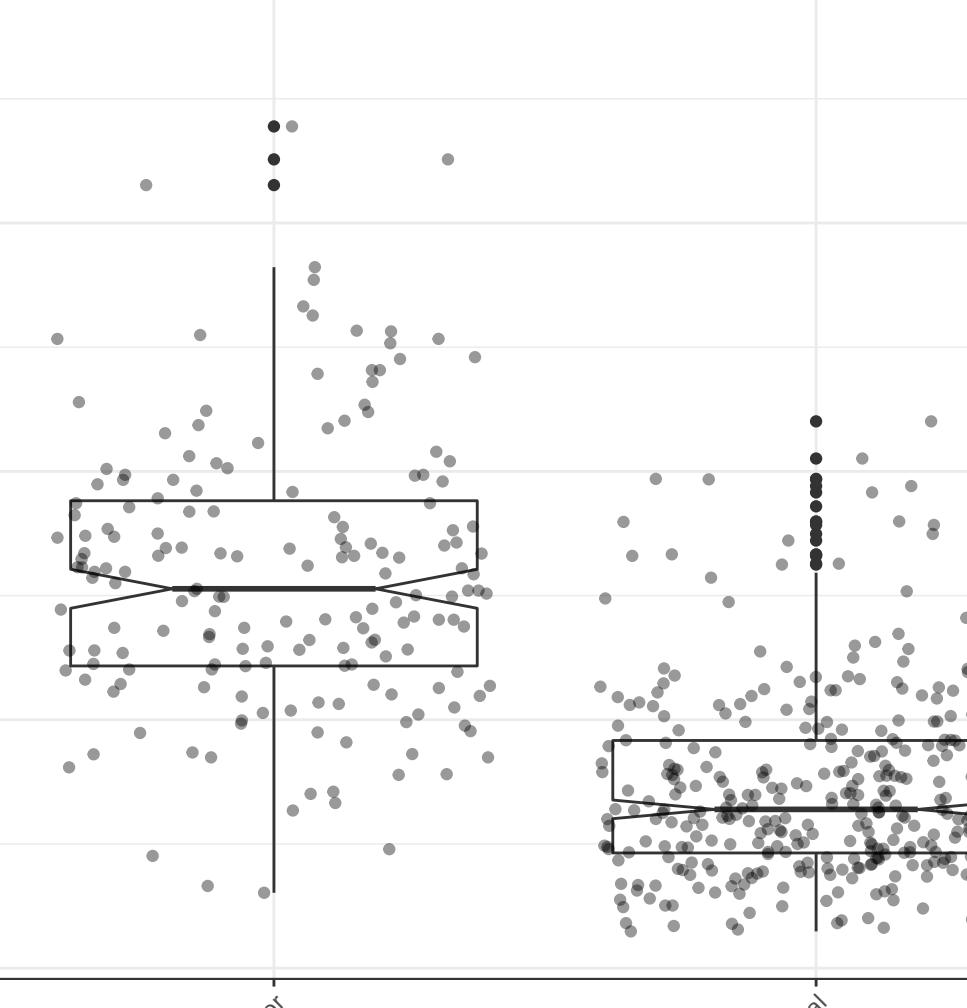
LV 192

Value

0.075
0.050
0.025
0.000
-0.025

Primary Tumor
Solid Tissue Normal

Tumor



193,DMAP_ERY3

Value

0.050

0.025

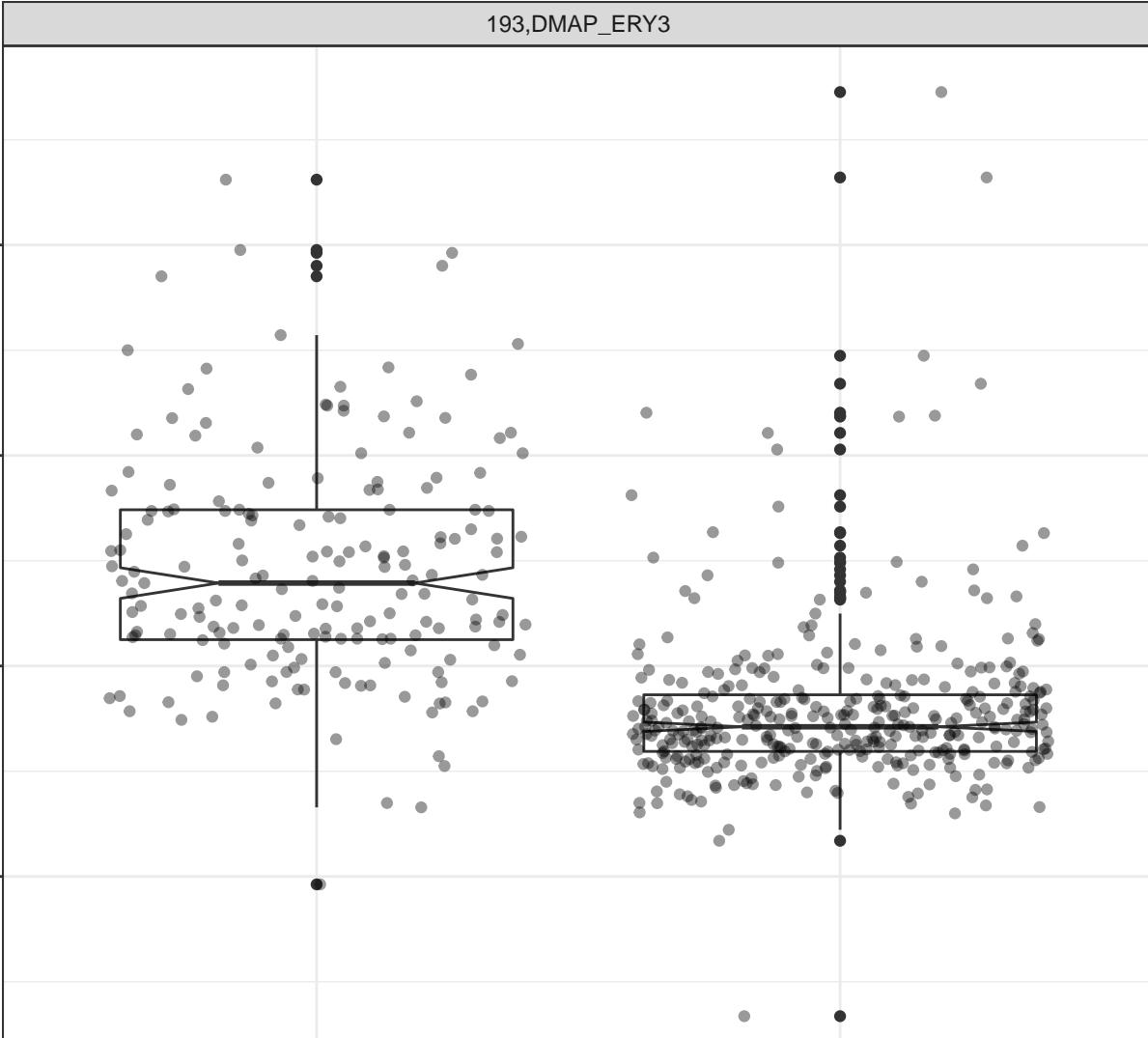
0.000

-0.025

Primary Tumor

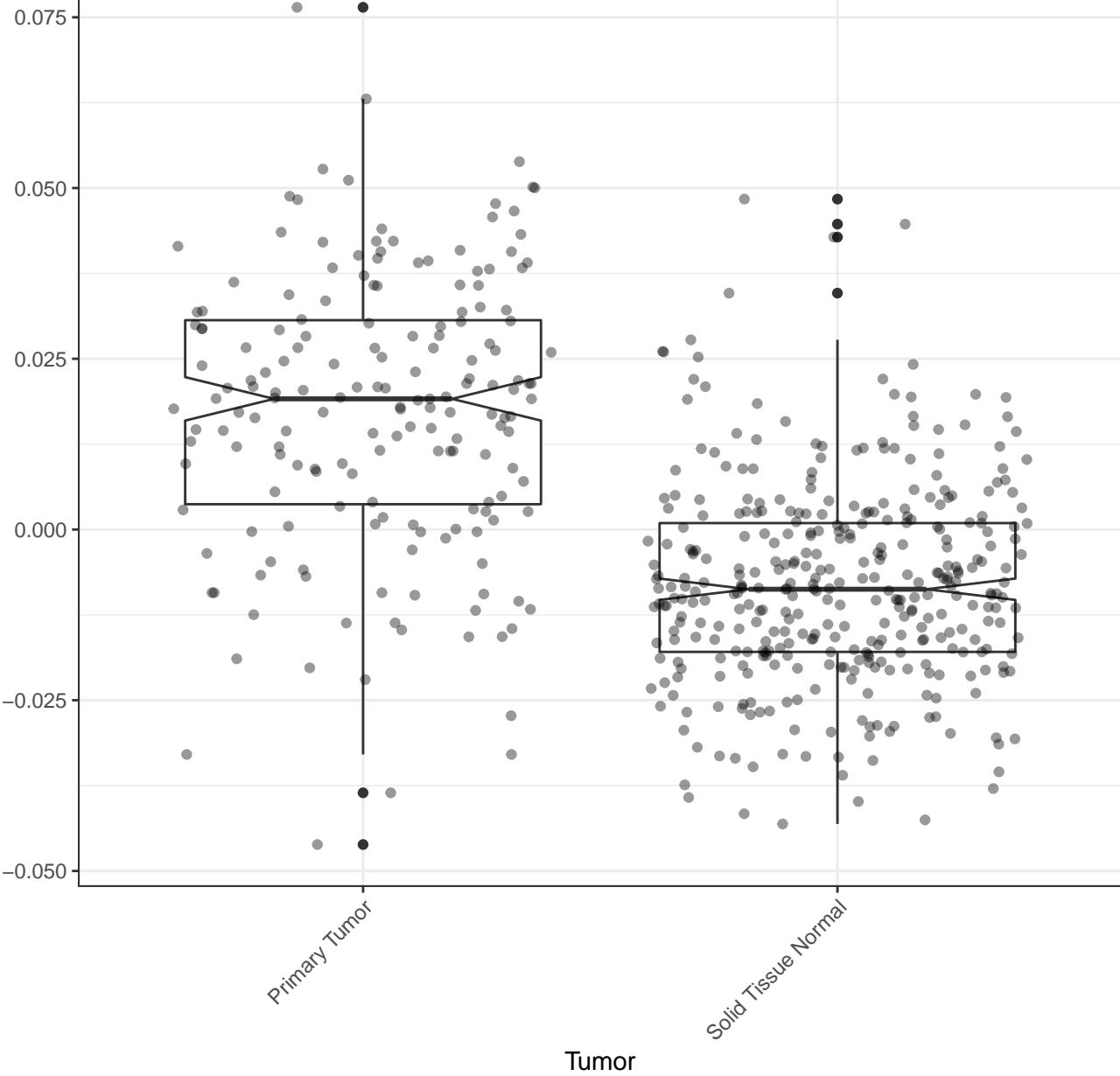
Solid Tissue Normal

Tumor



194,REACTOME_INTEGRATION_OF_ENERGY_METABOLISM

Value



195,DMAP_MONO2

Value

0.15

0.10

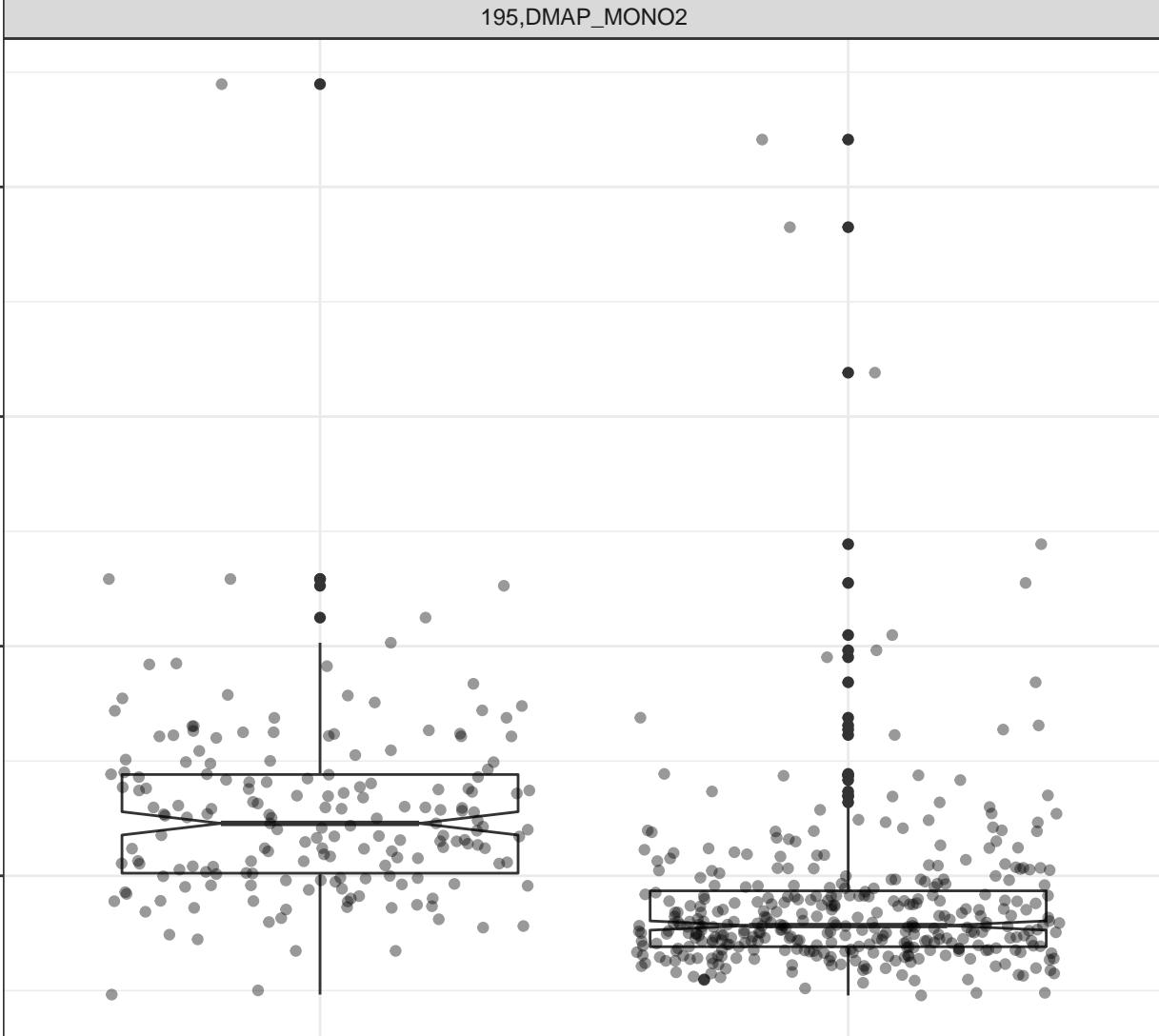
0.05

0.00

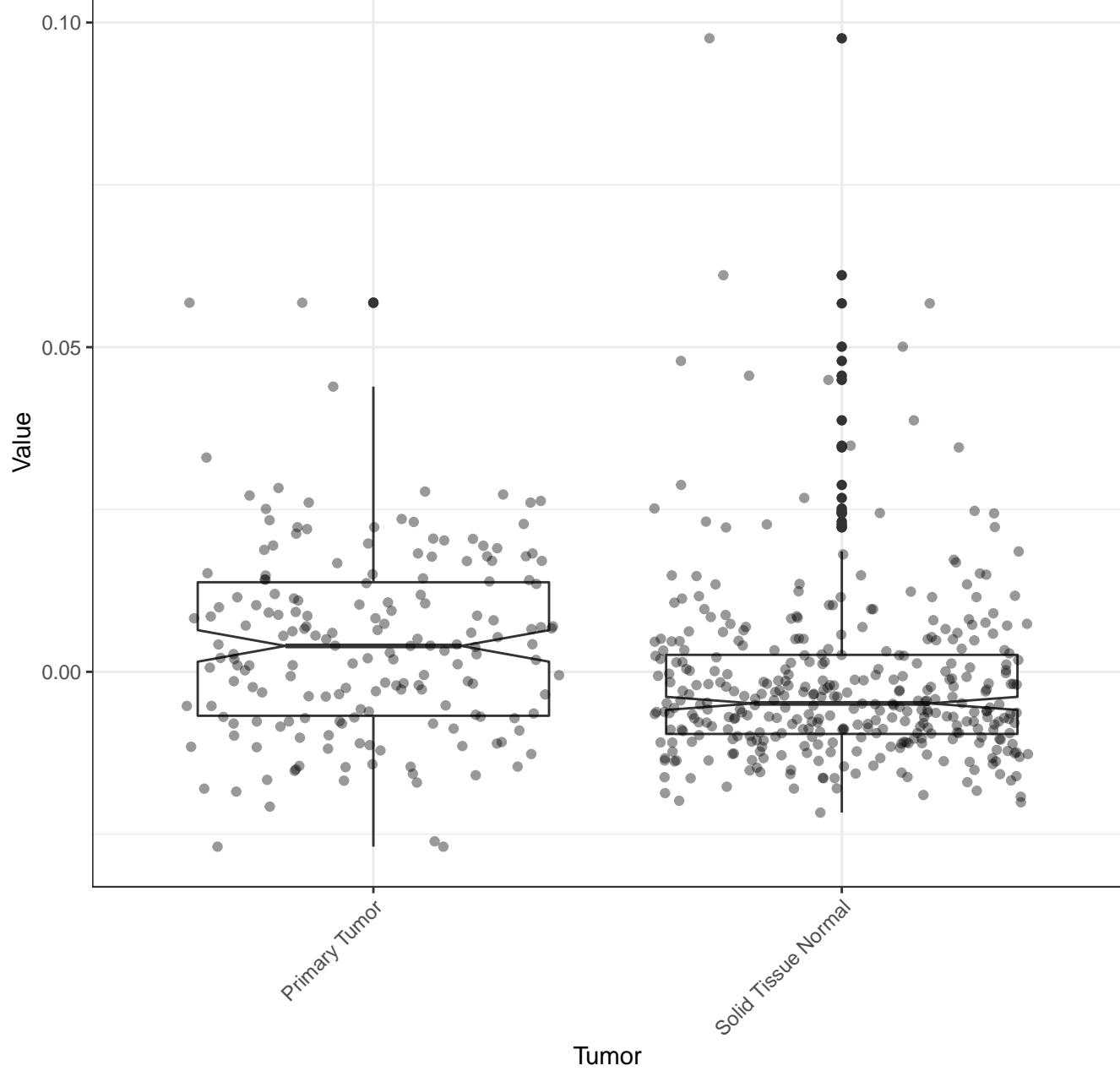
Primary Tumor

Solid Tissue Normal

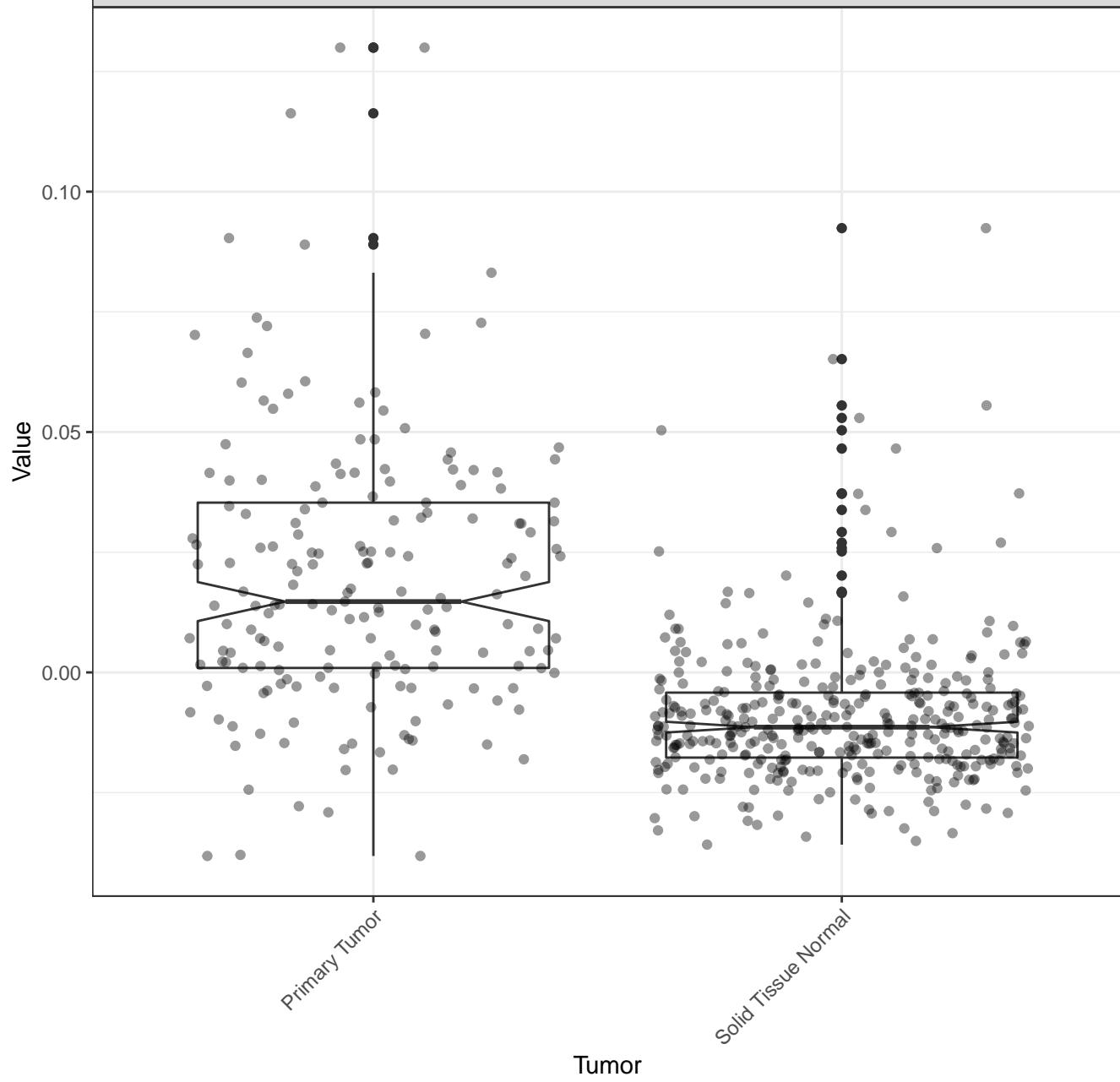
Tumor



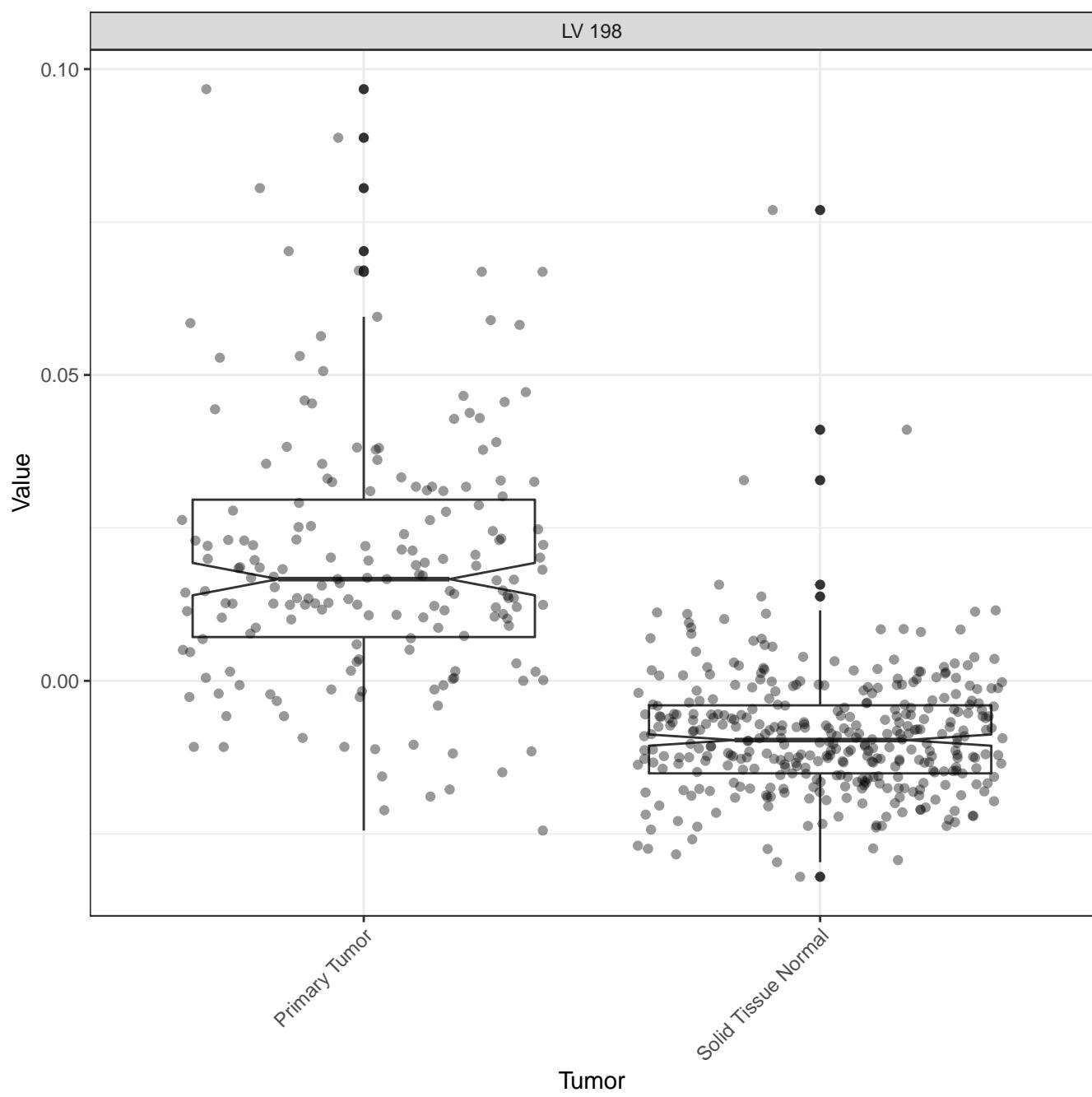
196,REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES



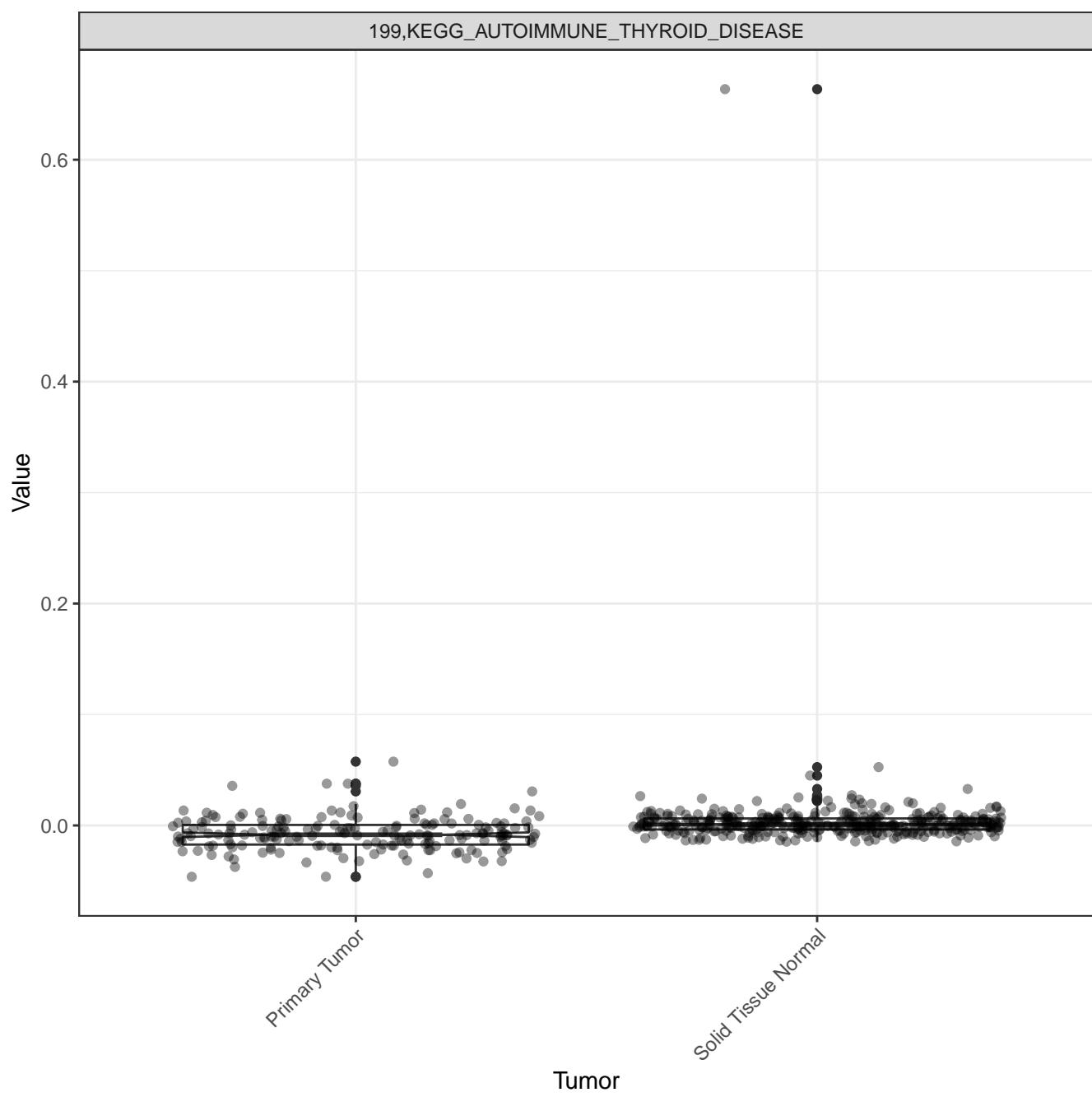
197,REACTOME_METABOLISM_OF_MRNA



LV 198



199,KEGG_AUTOIMMUNE_THYROID_DISEASE



LV 200

Value

0.09

0.06

0.03

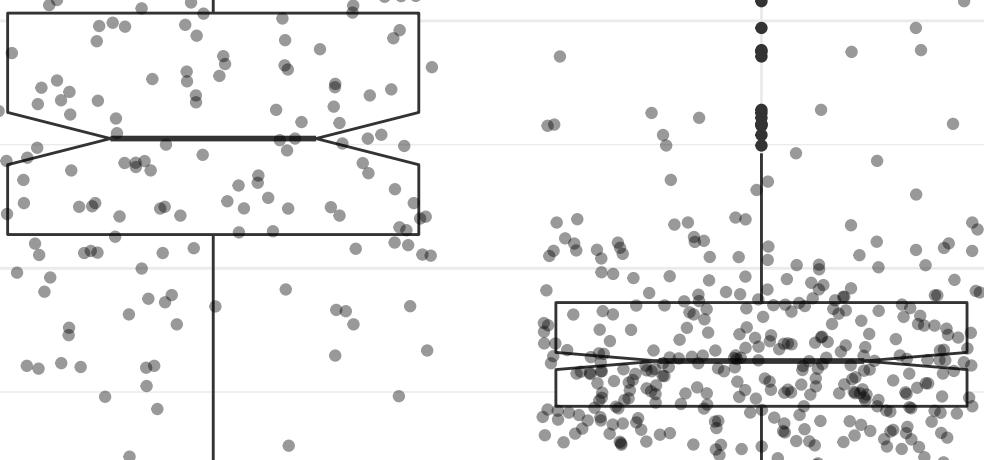
0.00

-0.03

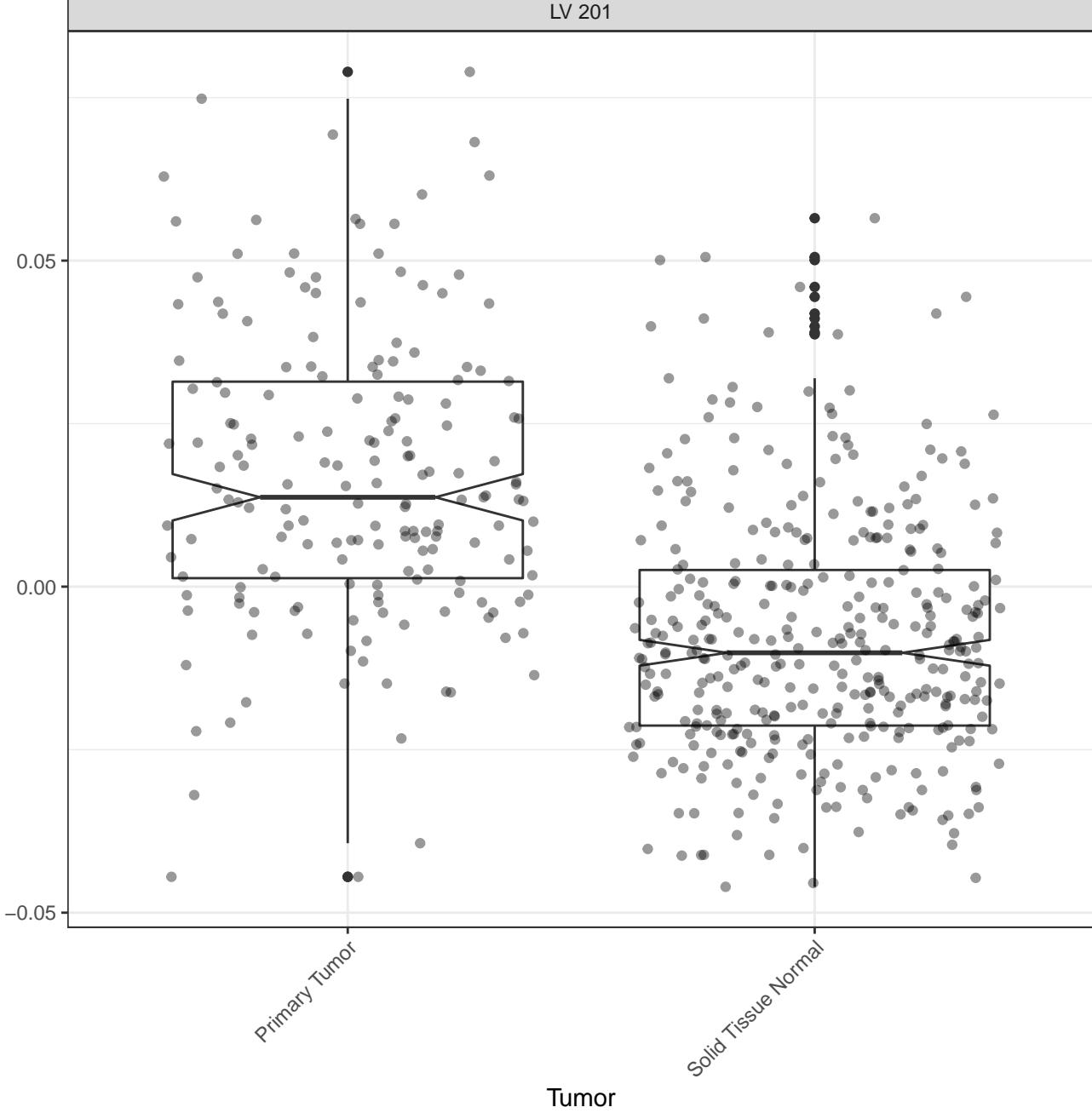
Primary Tumor

Solid Tissue Normal

Tumor



Value



Value

0.08

0.04

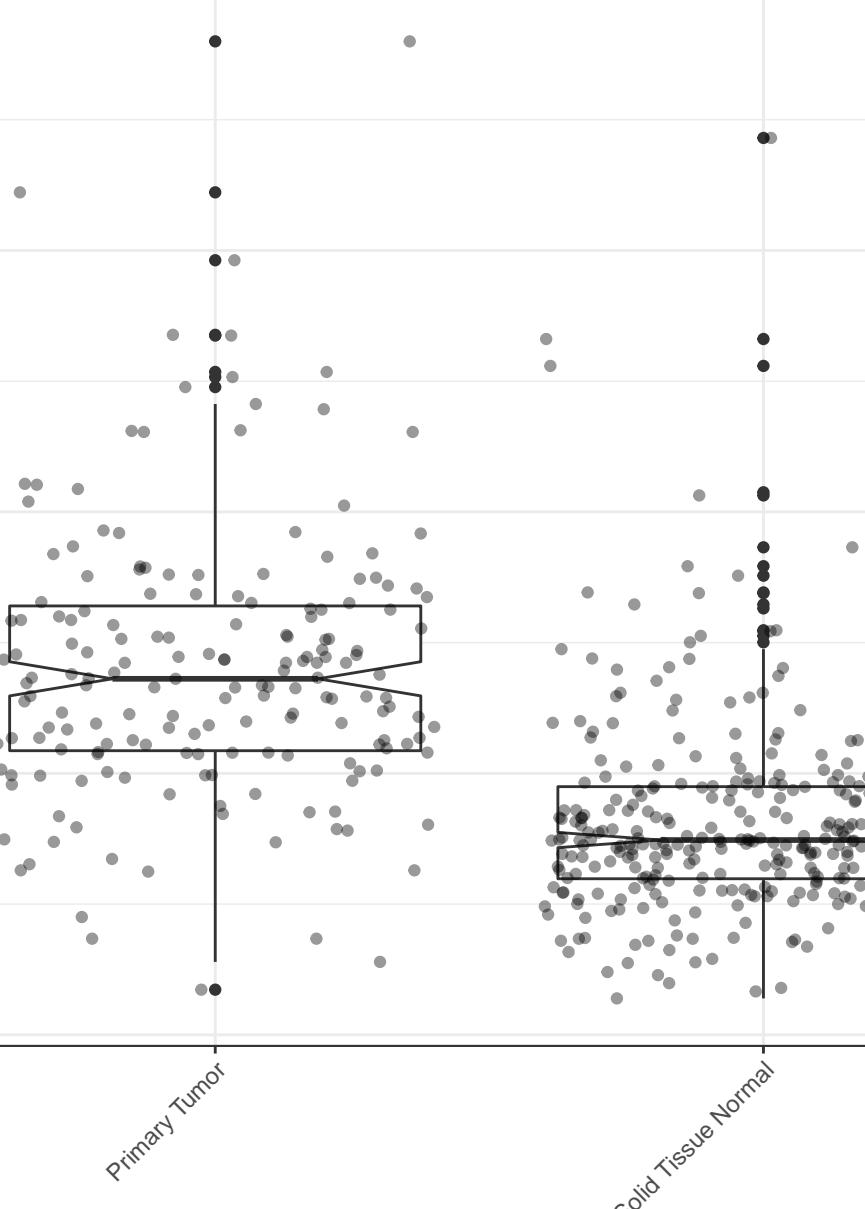
0.00

-0.04

Primary Tumor

Solid Tissue Normal

Tumor



ME_NEUROTRANSMITTER_RECEPTOR_BINDING_AND_DOWNSTREAM_TRANSMISSION_IN_THE_POSTSYN

Value

0.1

0.0

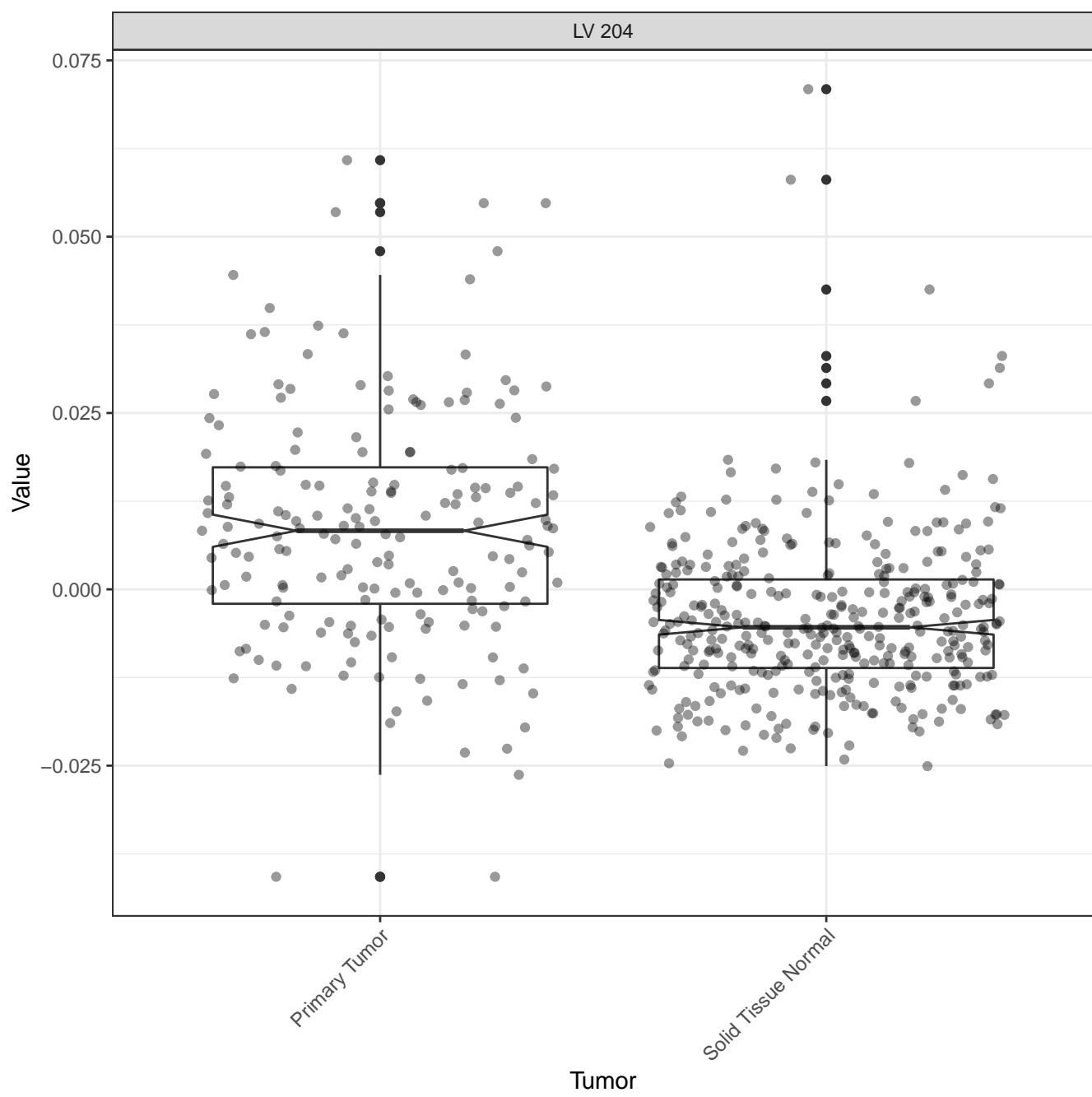
Primary Tumor

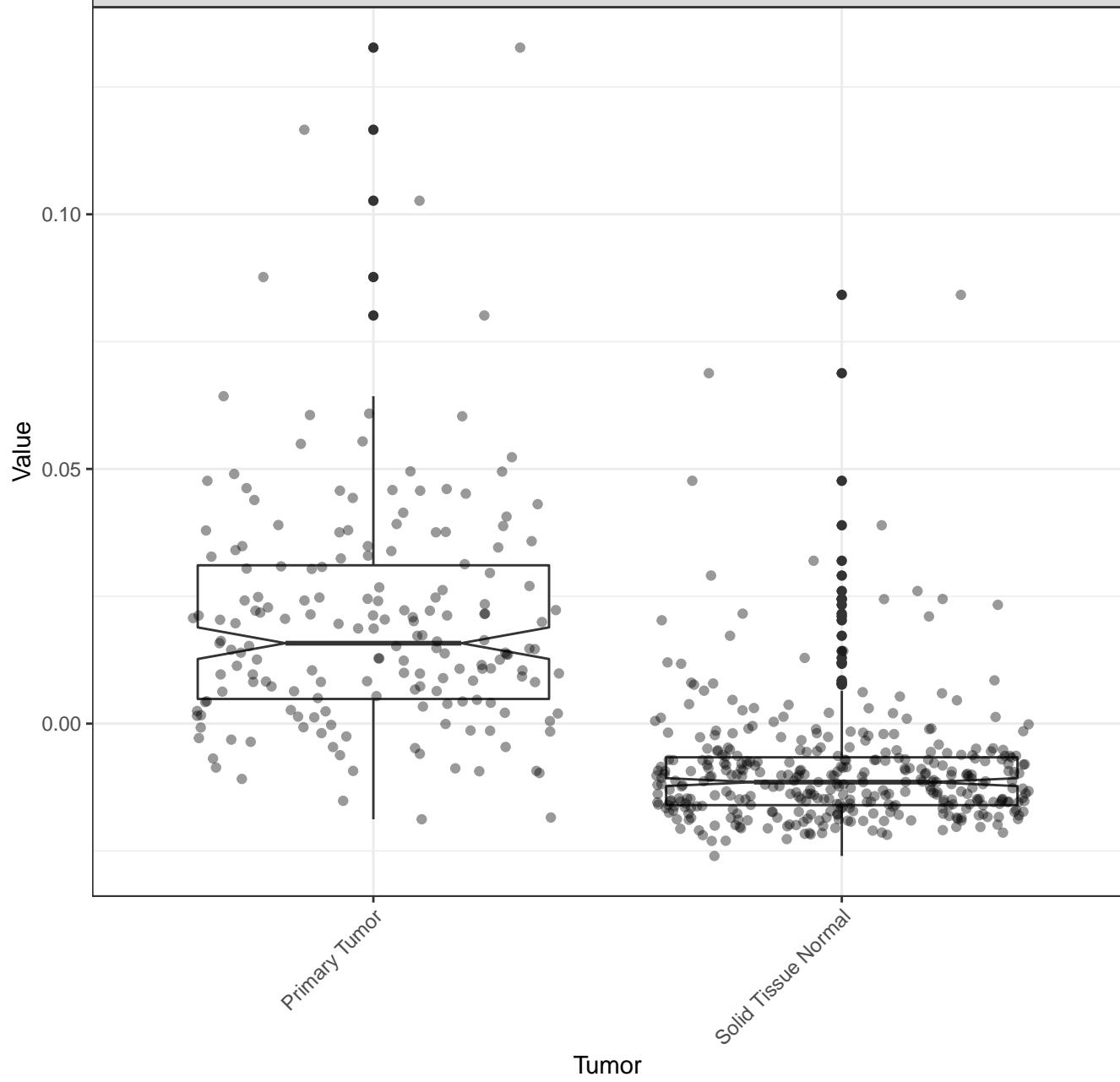
Solid Tissue Normal

Tumor



LV 204





Value

0.08

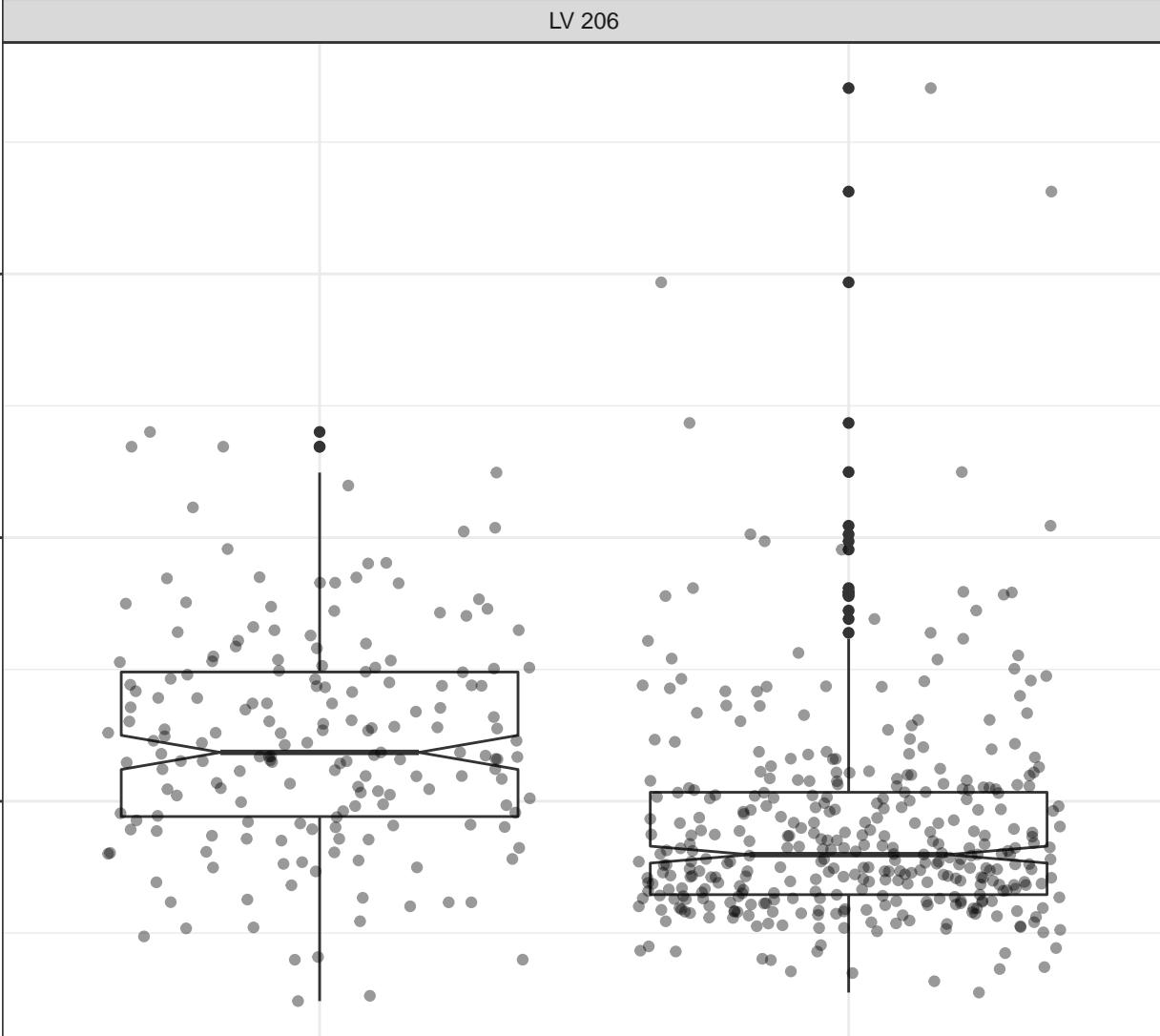
0.04

0.00

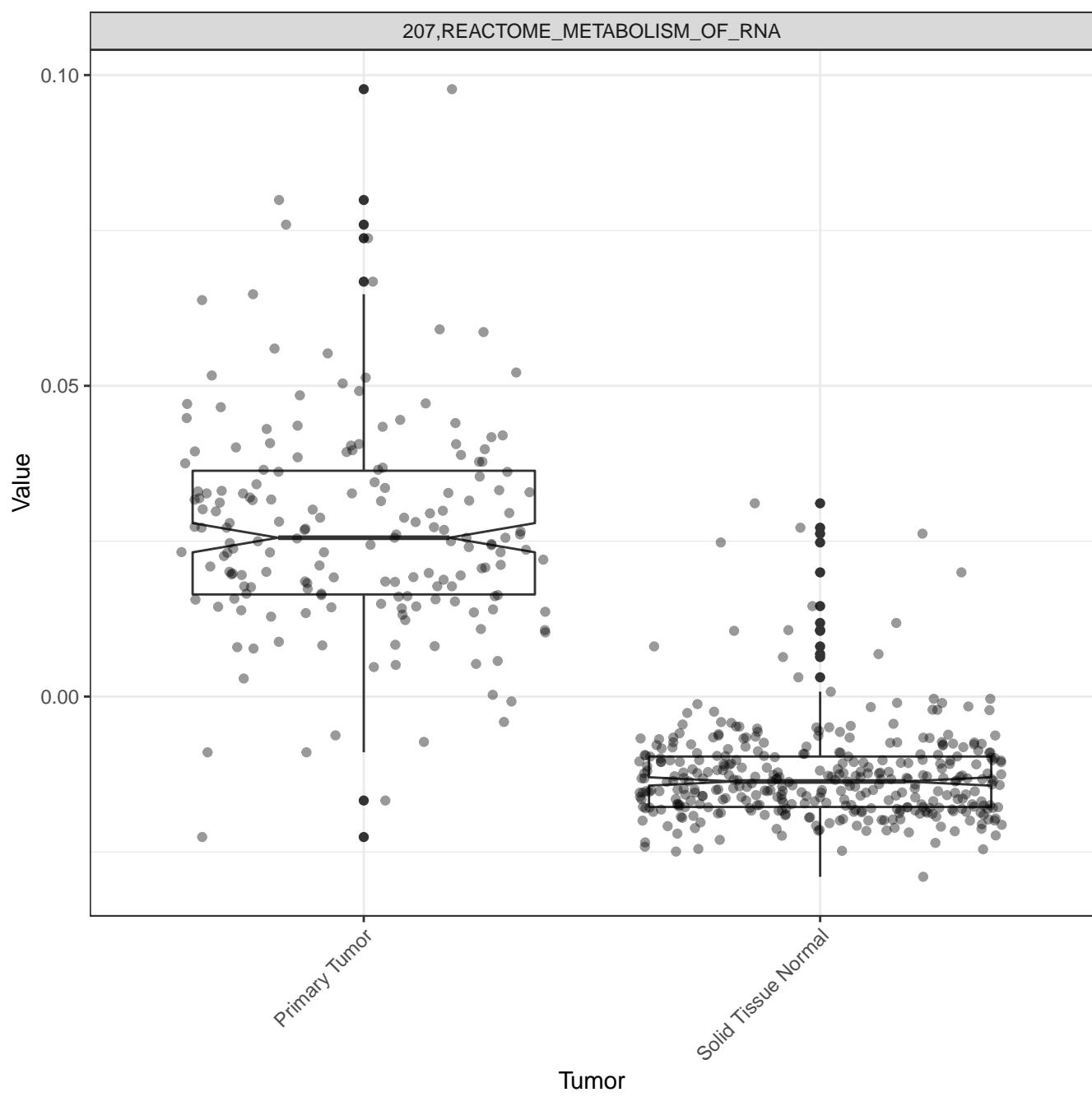
Primary Tumor

Solid Tissue Normal

Tumor



207,REACTOME_METABOLISM_OF_RNA



LV 208

Value

0.12

0.08

0.04

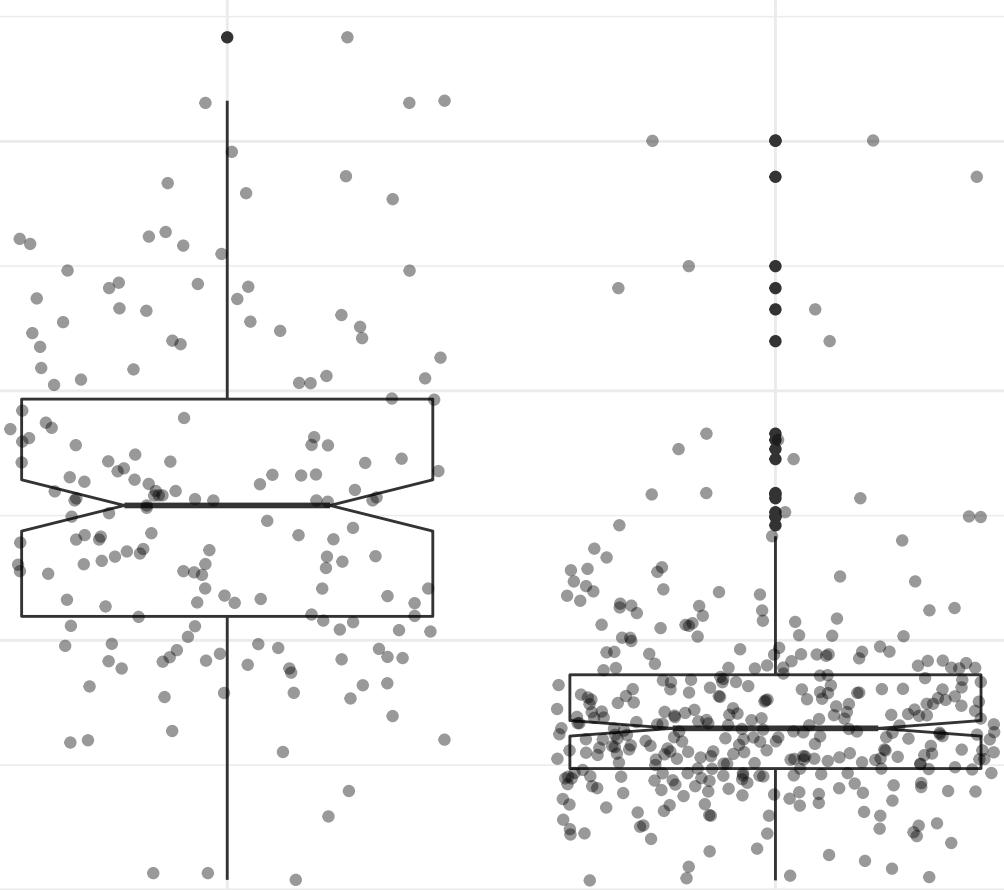
0.00

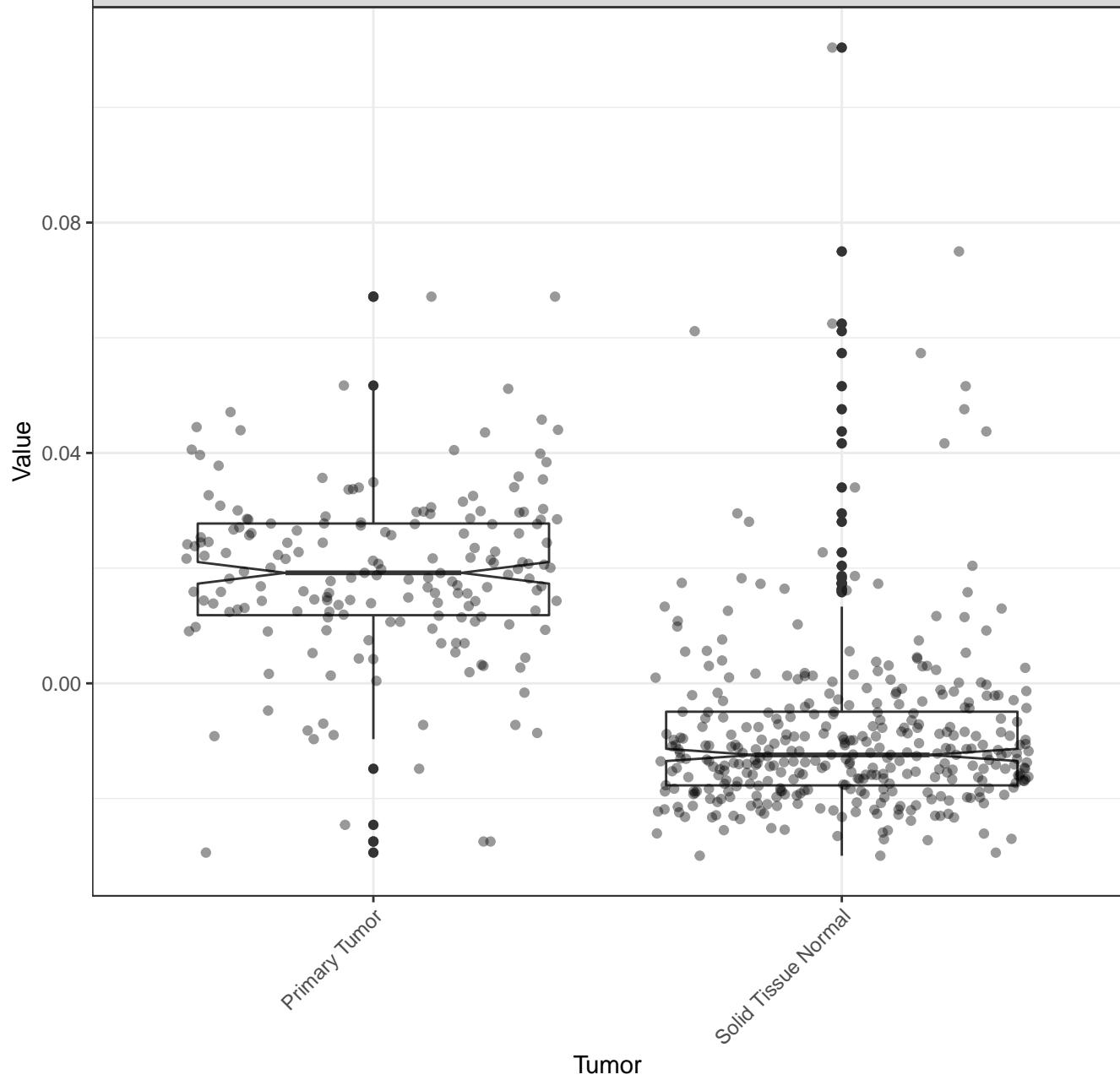
-0.04

Primary Tumor

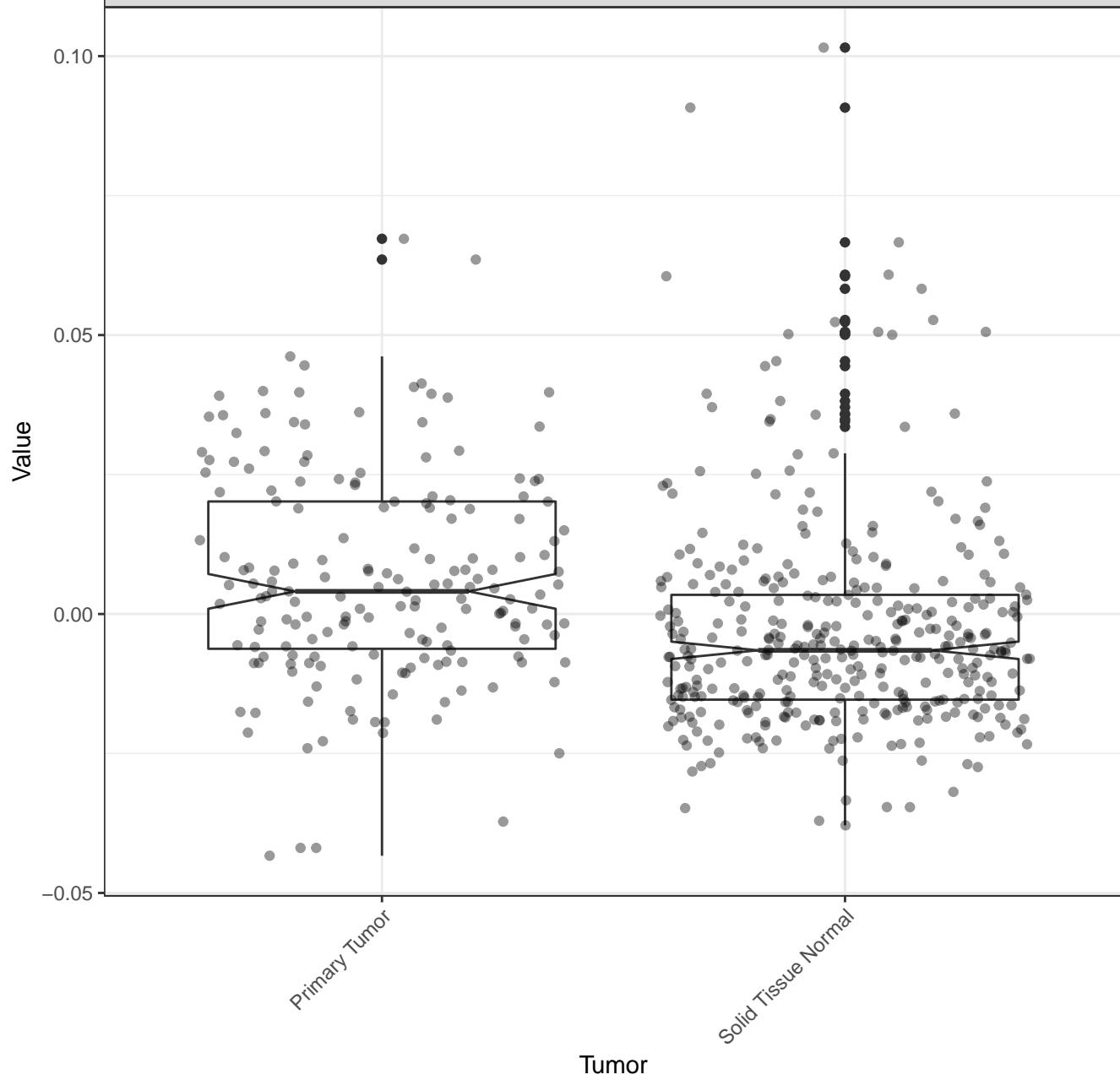
Solid Tissue Normal

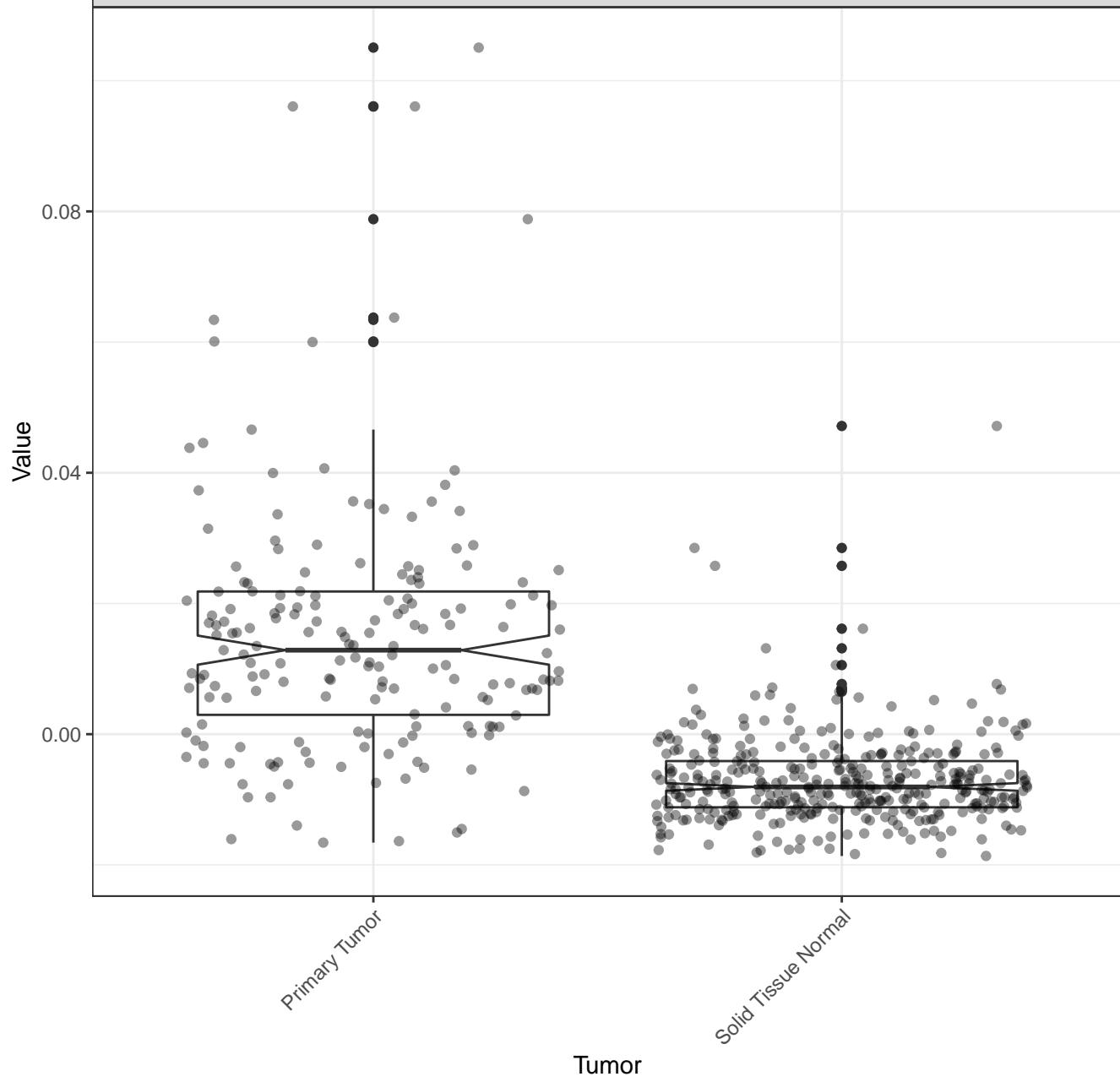
Tumor



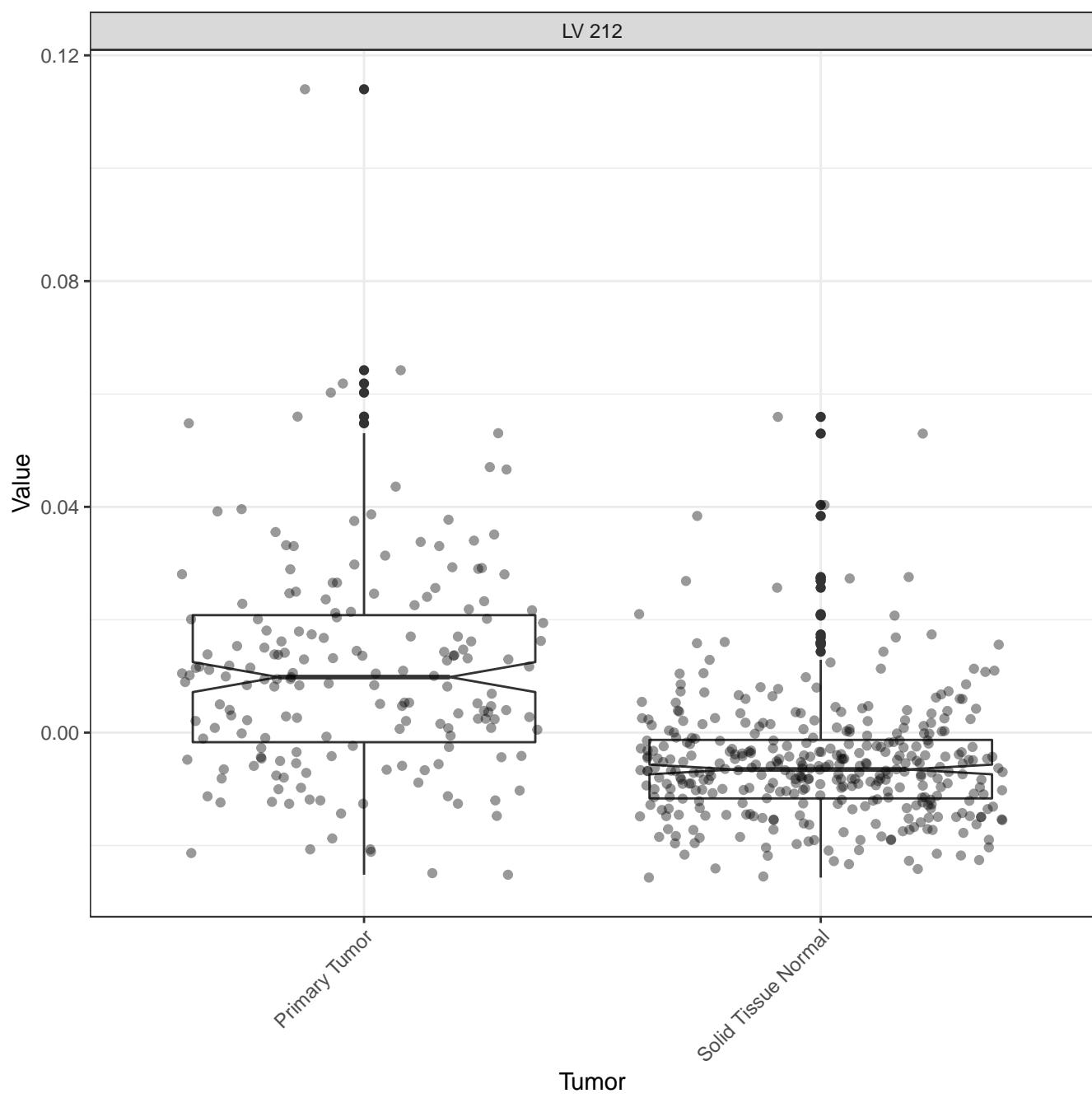


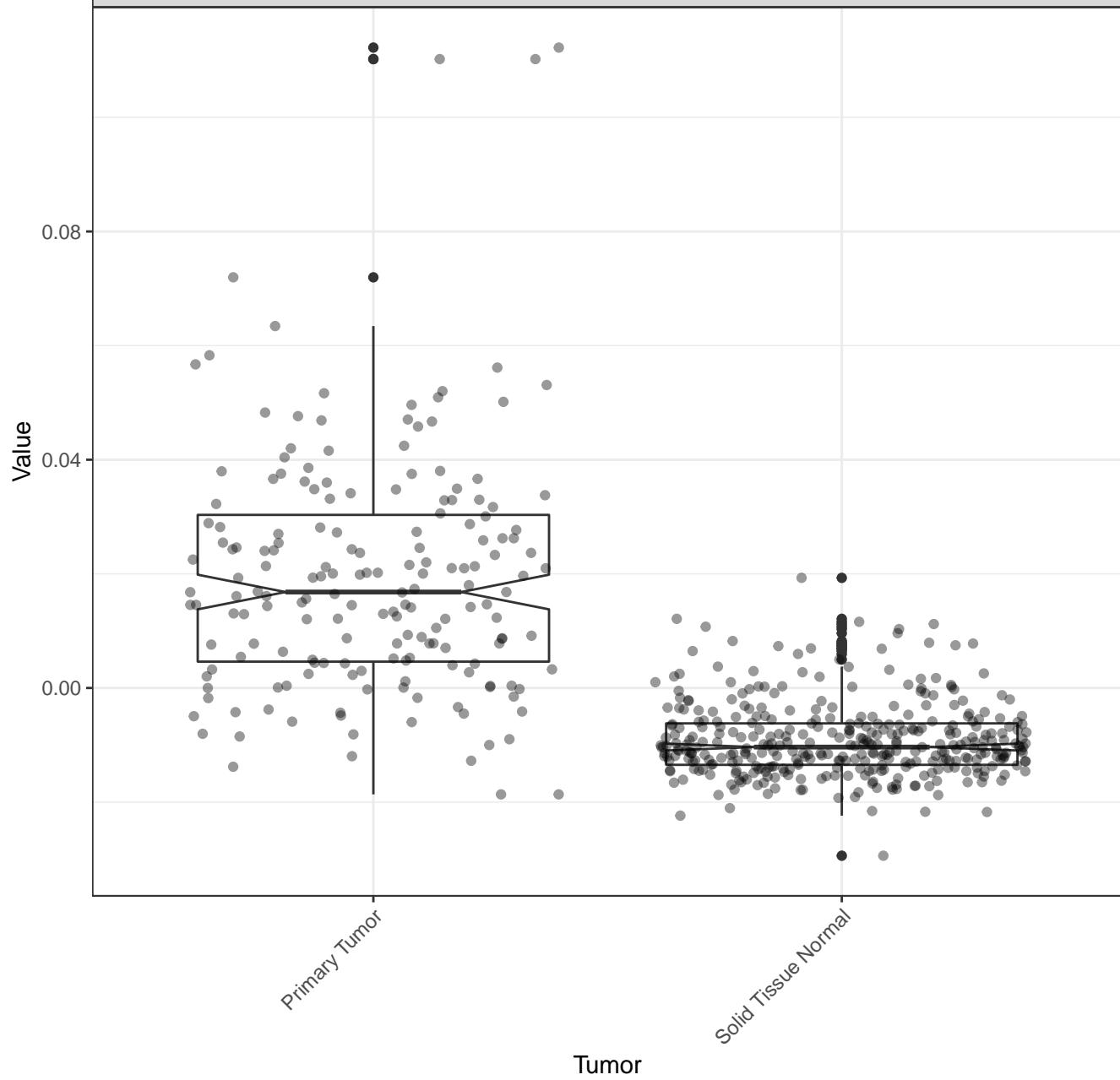
210,PID_HES_HEYPATHWAY



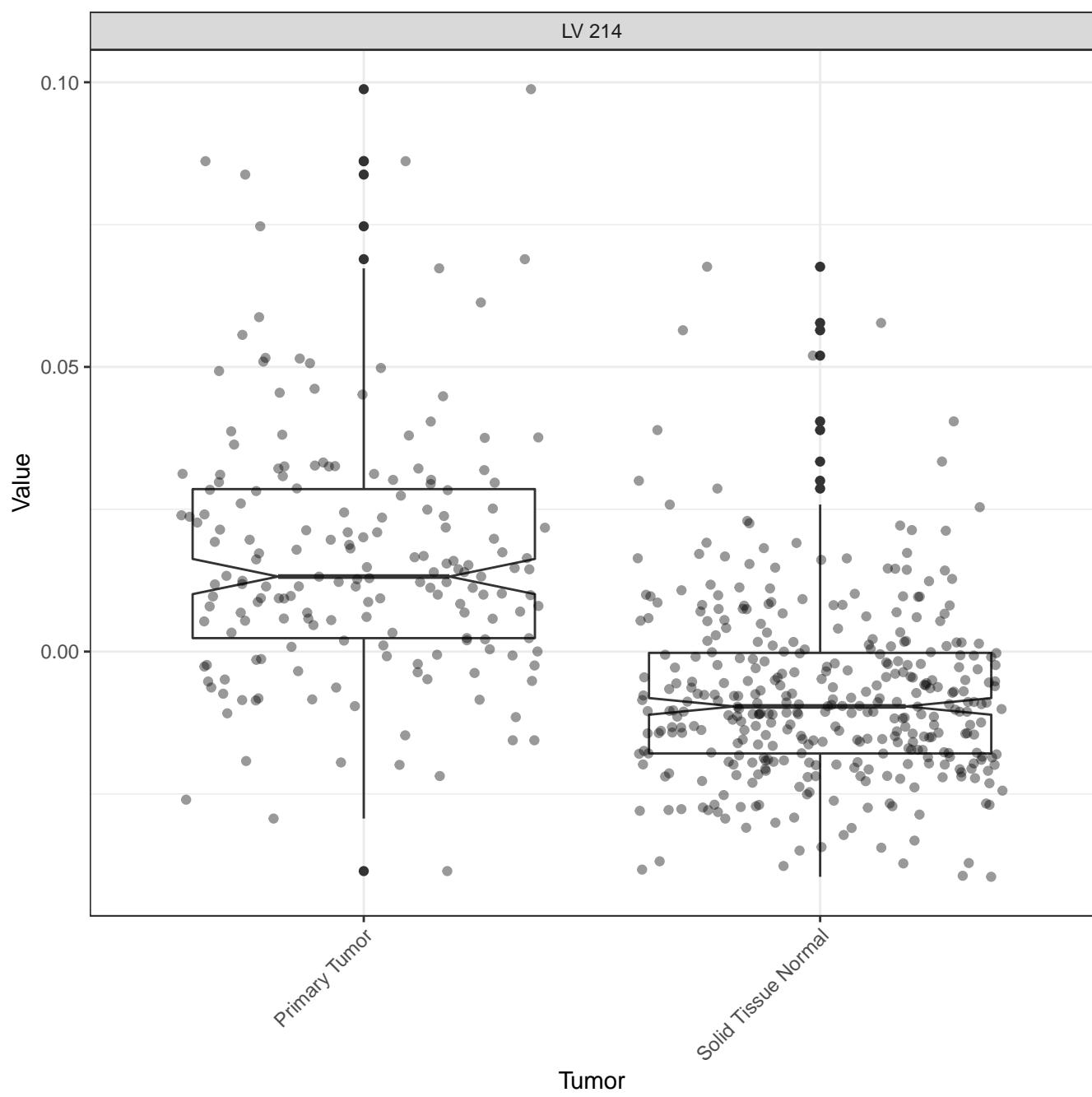


LV 212





LV 214



LV 215

Value

0.15

0.10

0.05

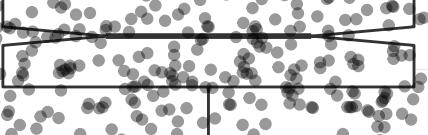
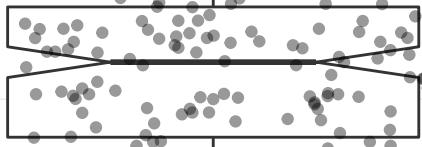
0.00

-0.05

Primary Tumor

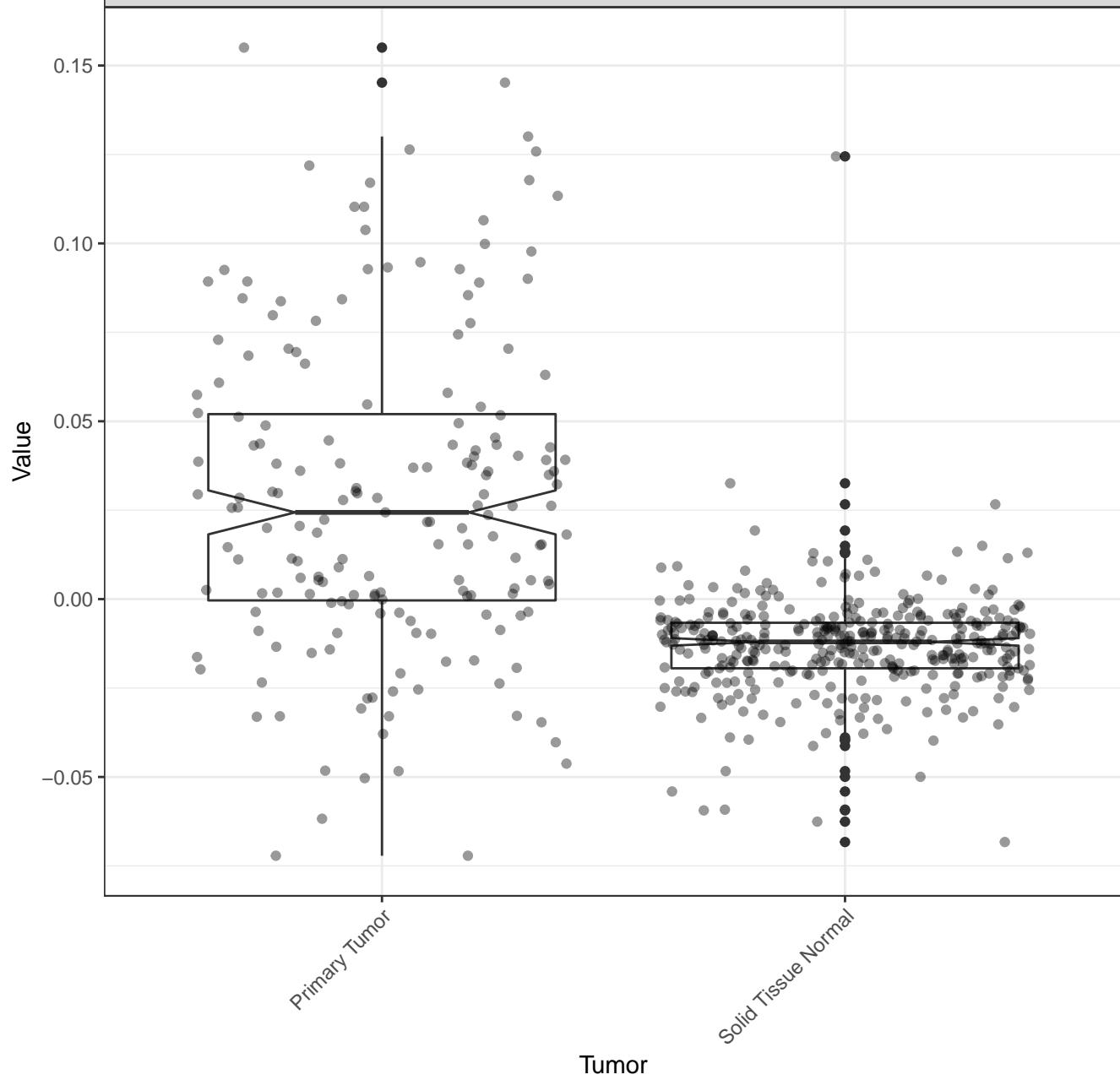
Solid Tissue Normal

Tumor



Box plots comparing the distribution of values for Primary Tumor and Solid Tissue Normal groups. The y-axis represents the Value, ranging from -0.05 to 0.15. The x-axis is labeled Tumor, with categories Primary Tumor and Solid Tissue Normal. The Primary Tumor group shows a higher median value (around 0.035) compared to the Solid Tissue Normal group (around -0.025). Both groups exhibit significant overlap in their distribution ranges.

216,KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION



Value

0.10

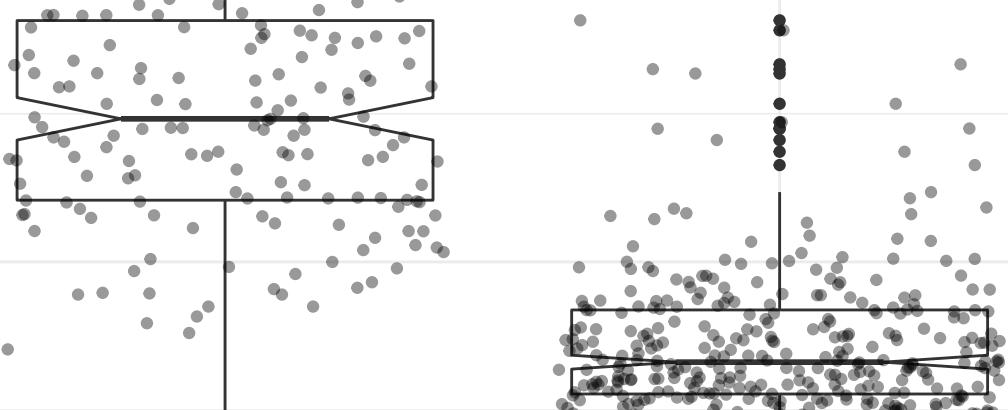
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 218

Value

0.08

0.04

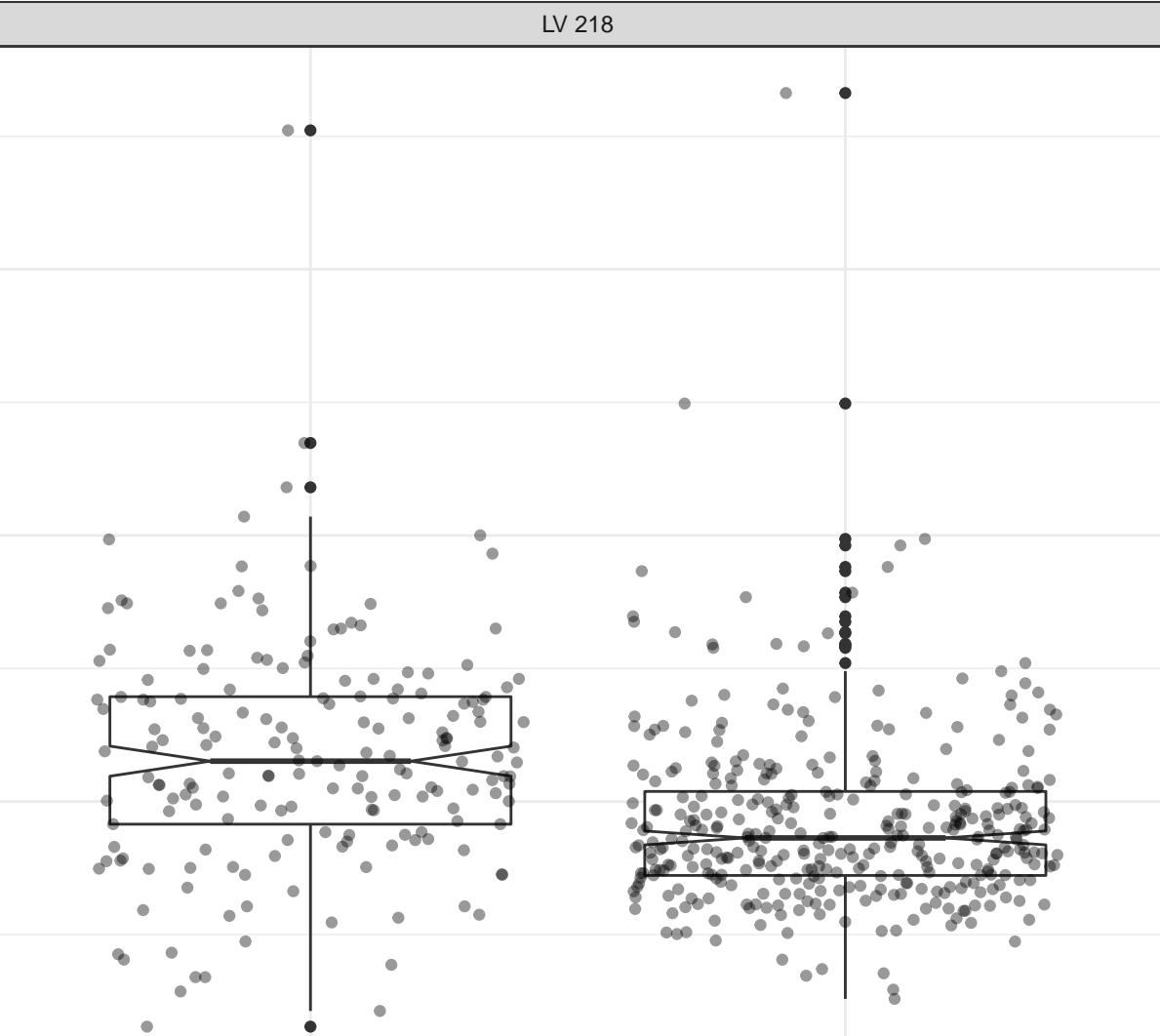
0.00

-0.04

Primary Tumor

Solid Tissue Normal

Tumor



219,REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT

Value

0.15

0.10

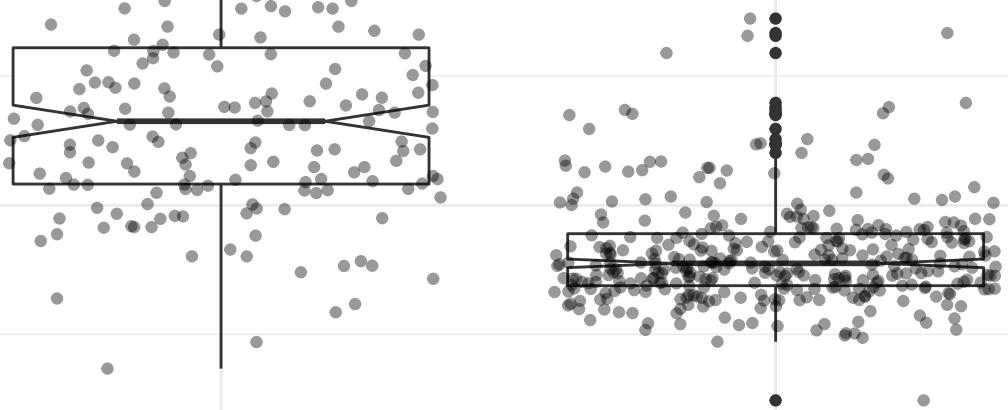
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



220,REACTOME_RIG_I_MDA5_MEDIATED_INDUCTION_OF_IFN_ALPHA_BETA_PATHWAYS

Value

0.075

0.050

0.025

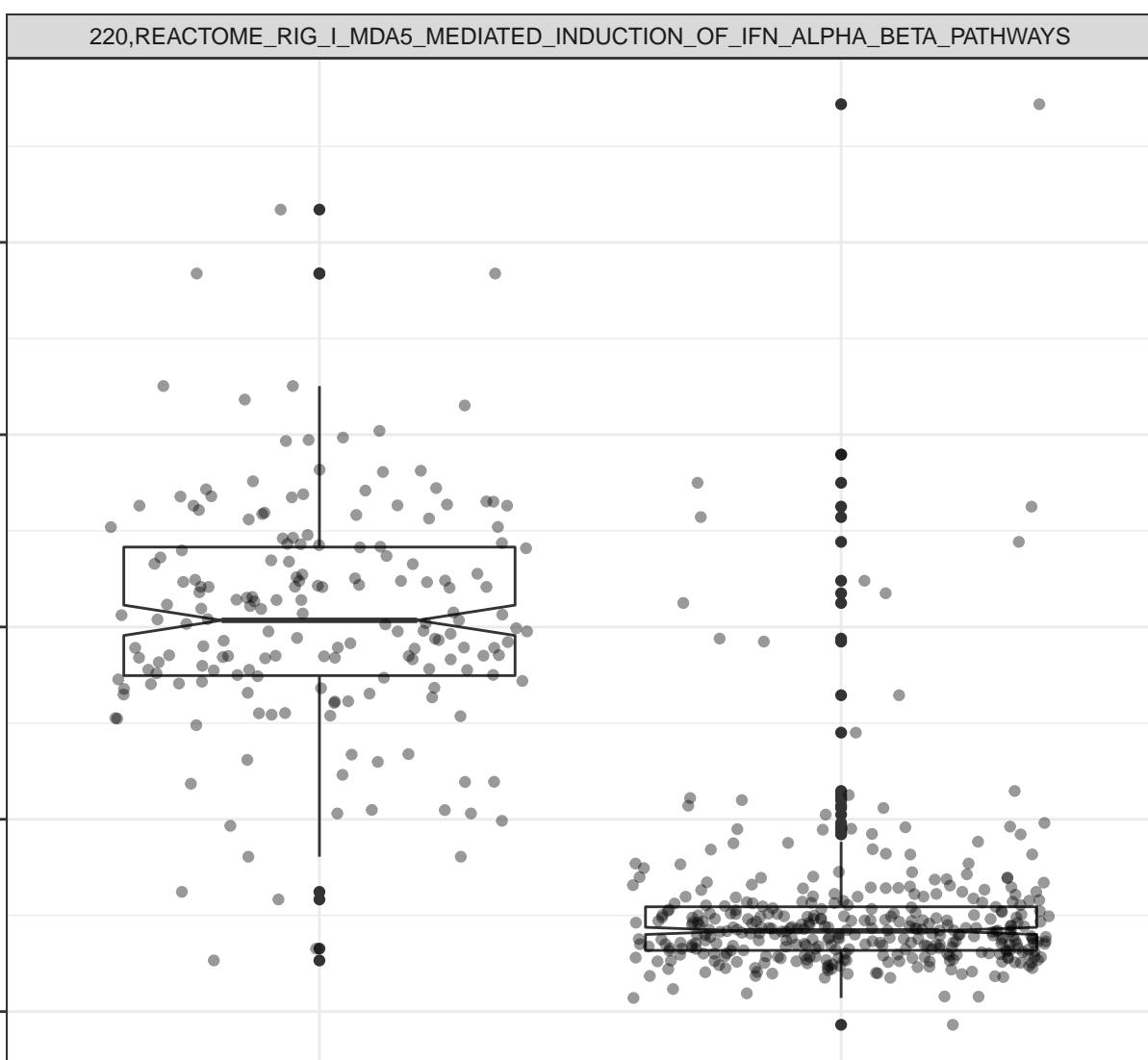
0.000

-0.025

Primary Tumor

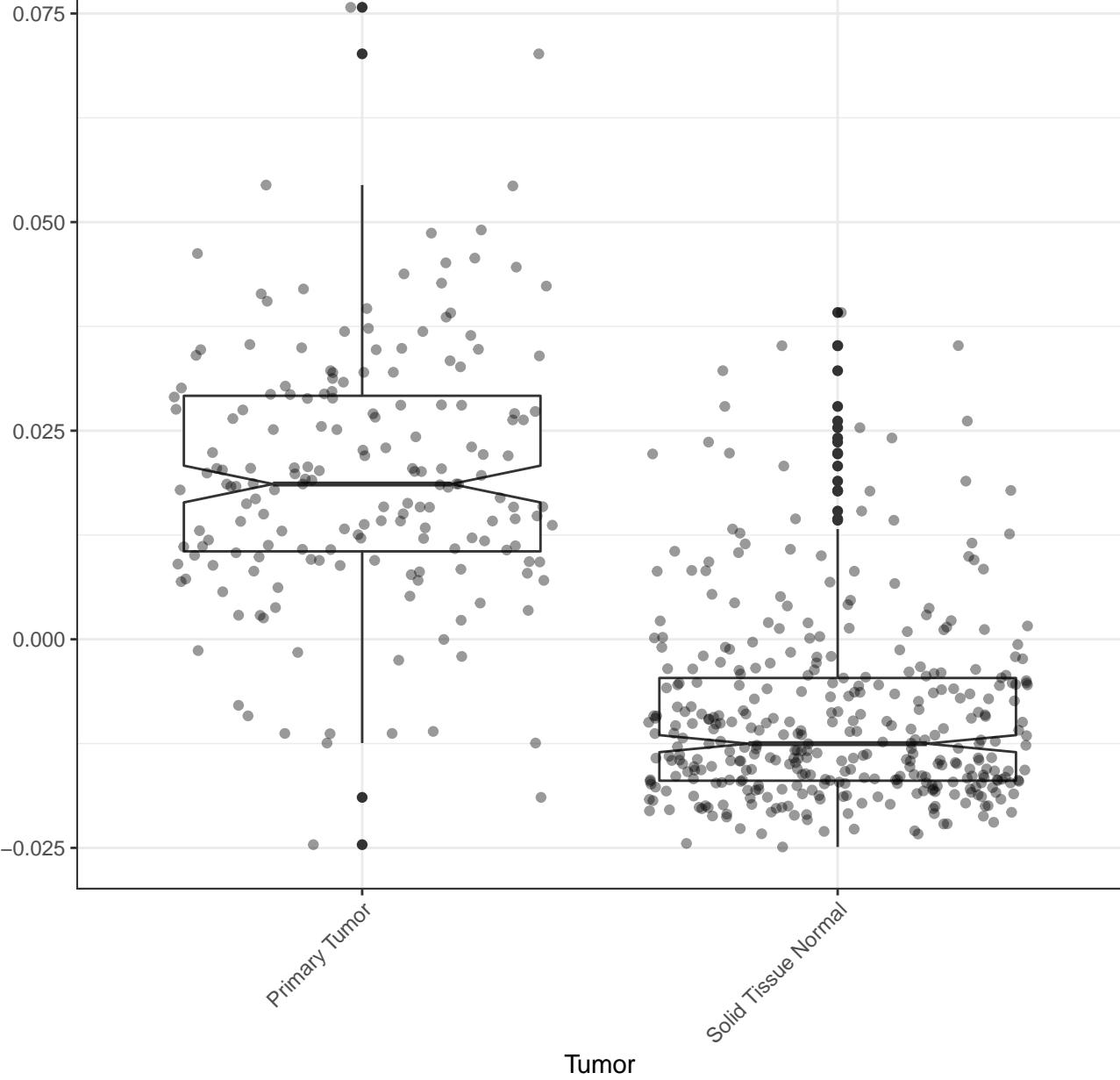
Solid Tissue Normal

Tumor

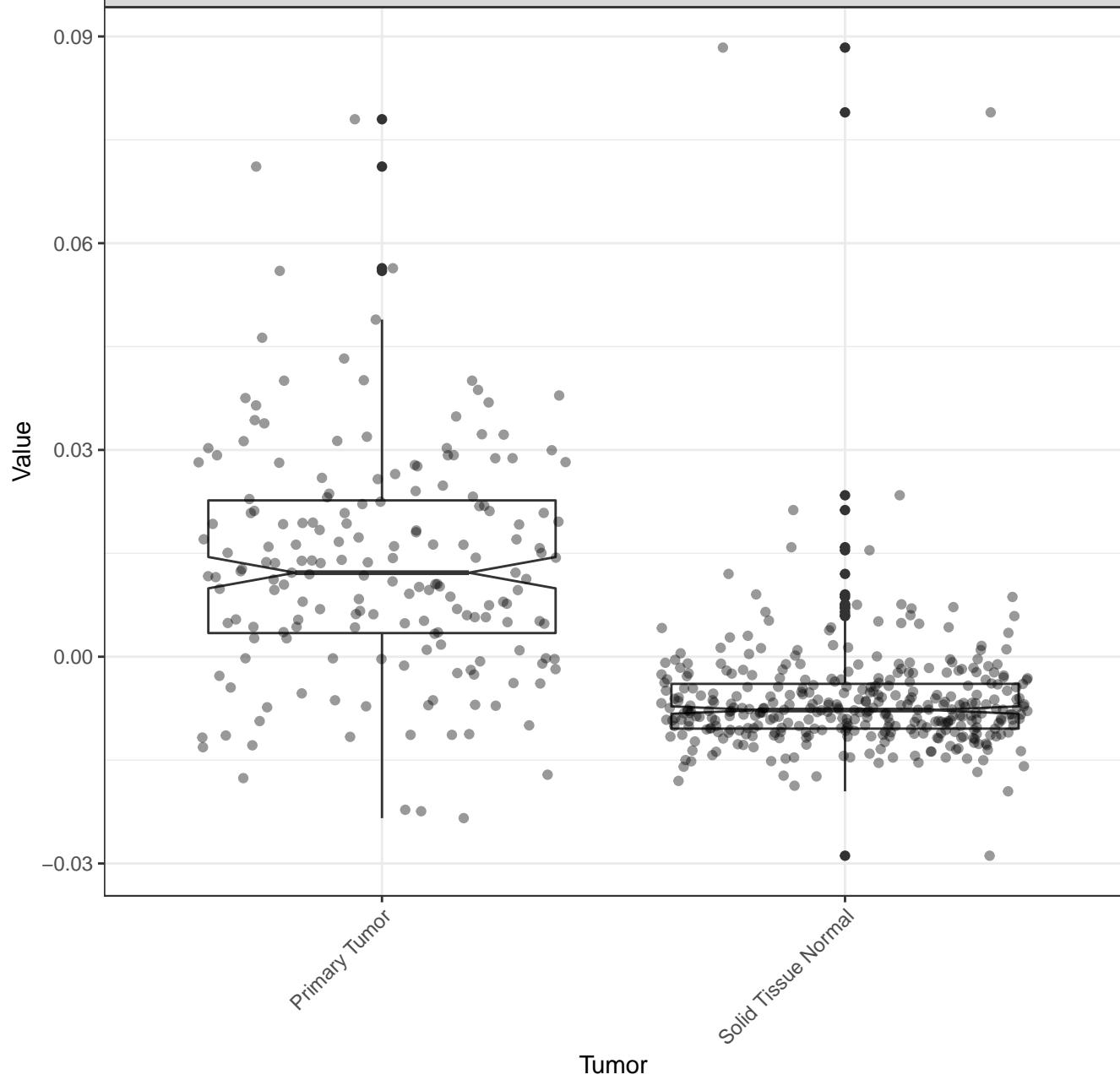


221,DMAP_ERY4

Value



222,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS



Value

0.10

0.05

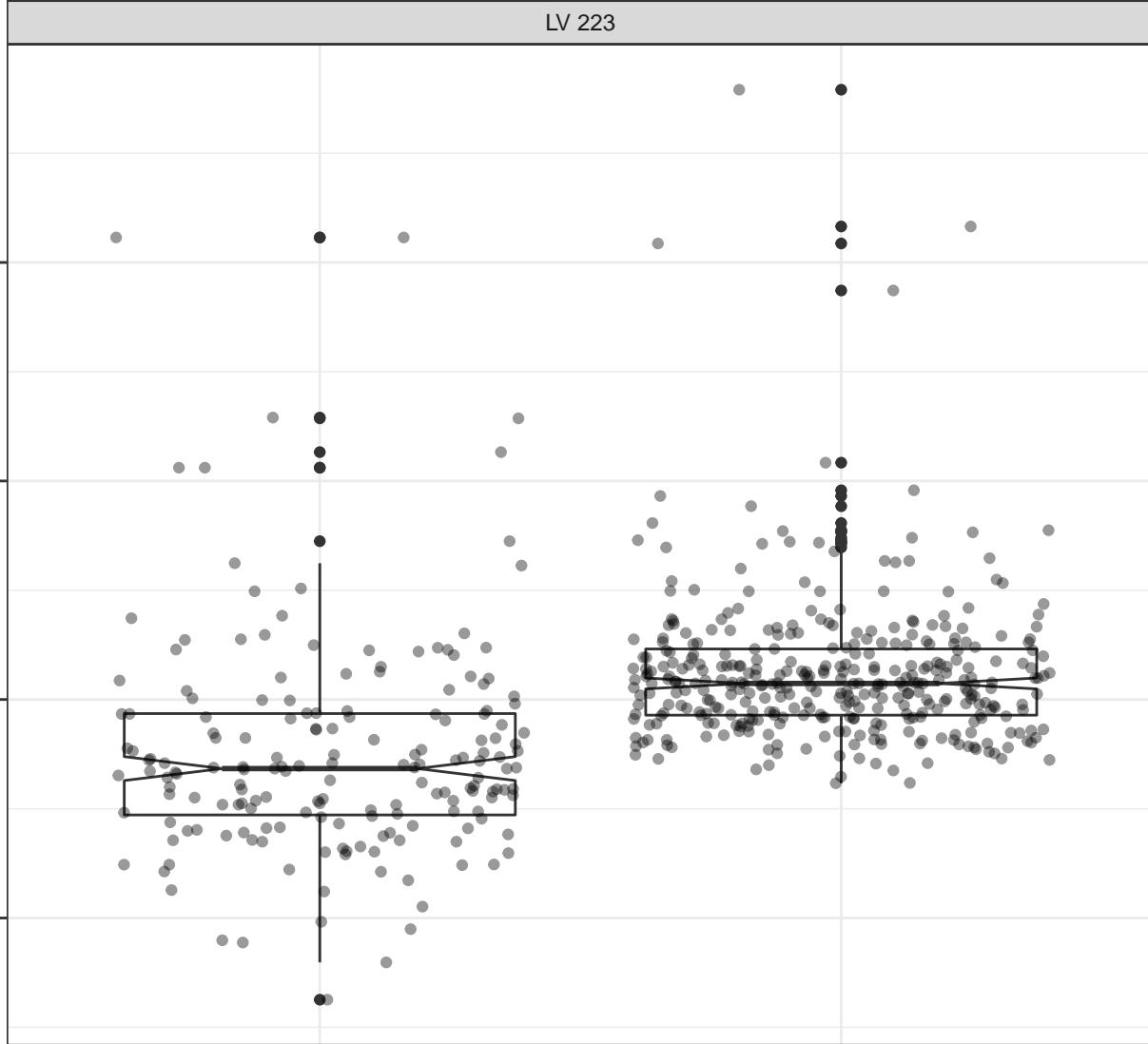
0.00

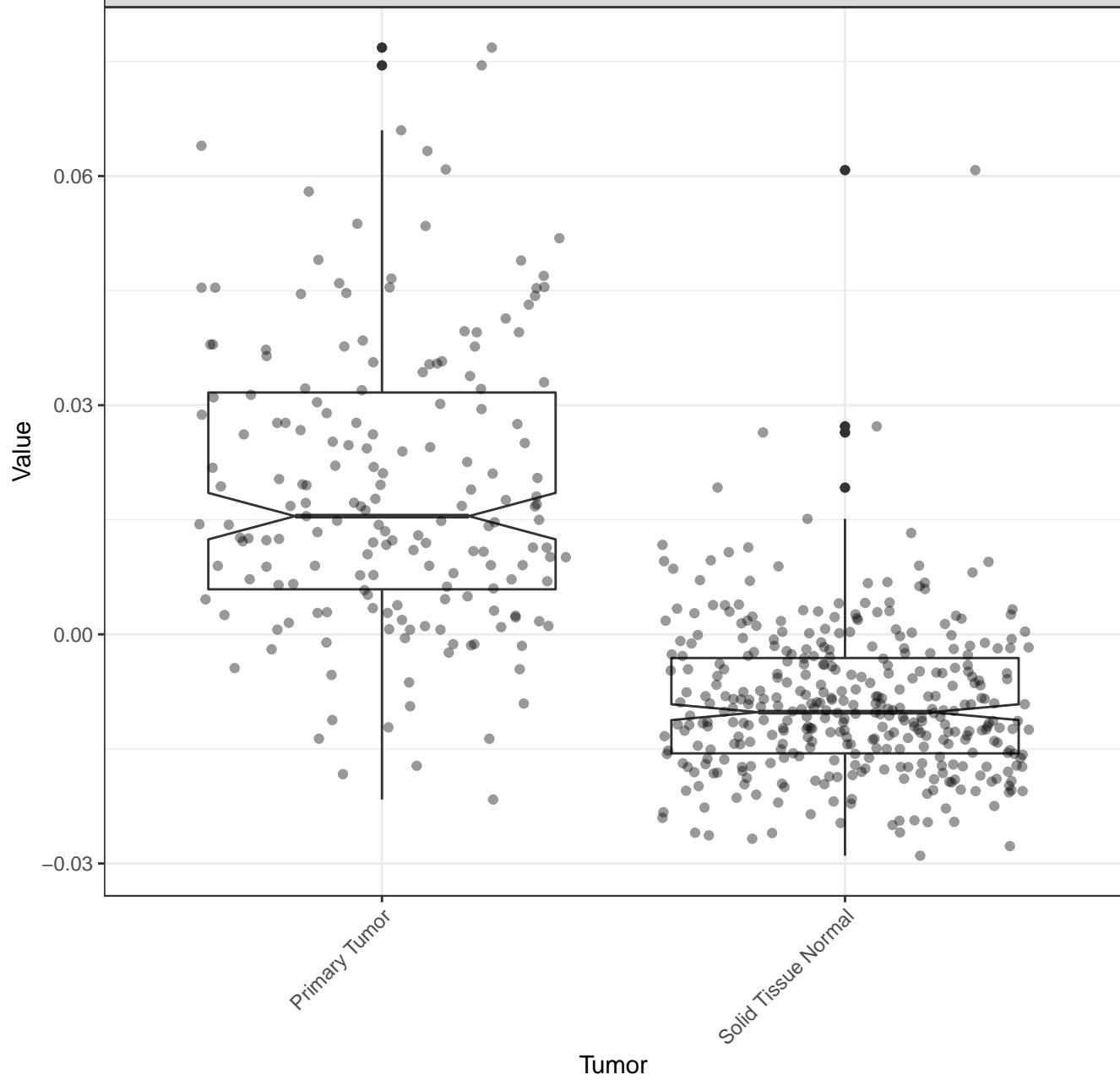
-0.05

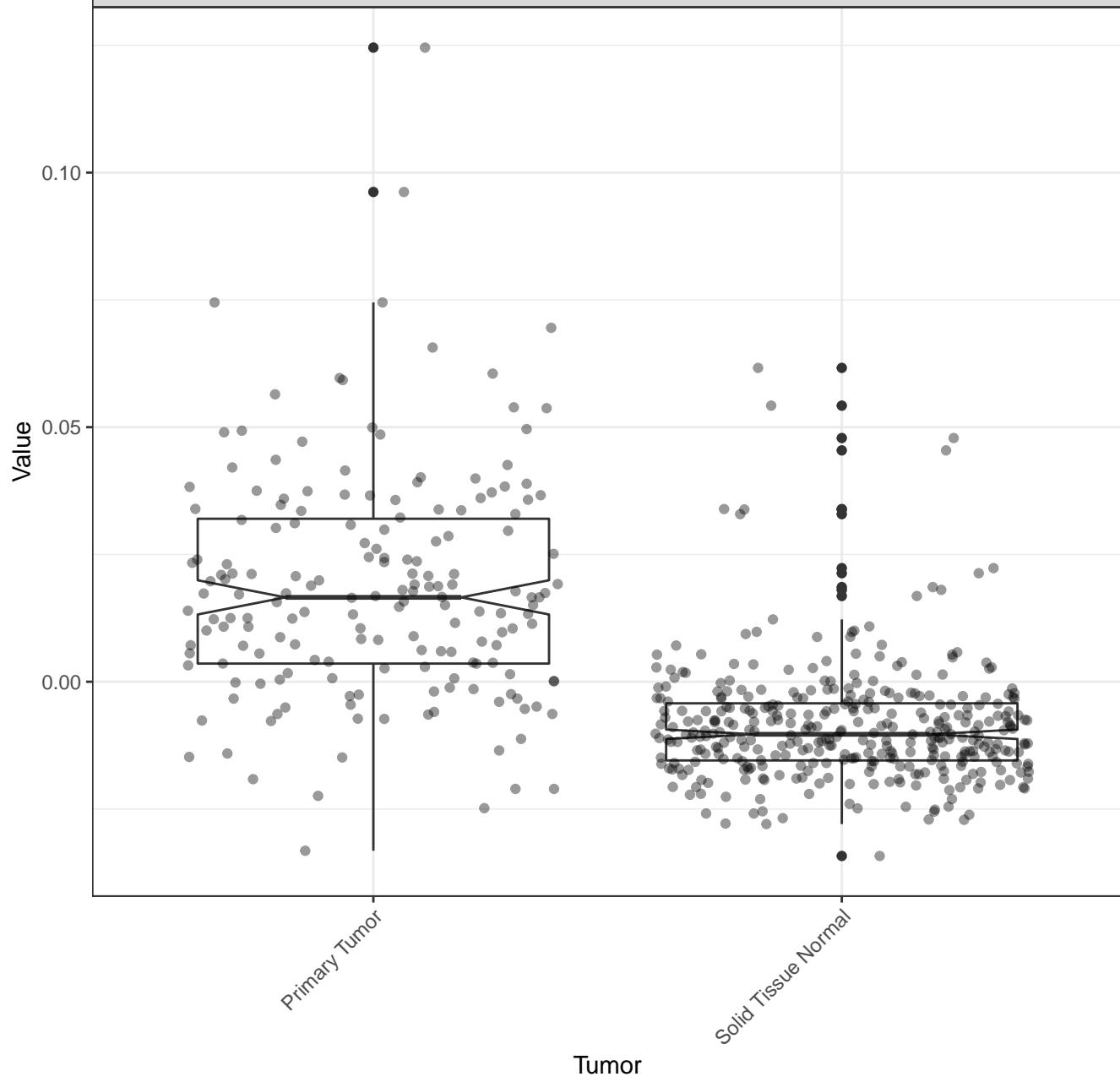
Primary Tumor

Solid Tissue Normal

Tumor







LV 226

Value

0.10

0.05

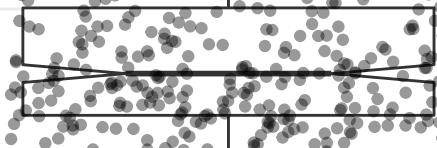
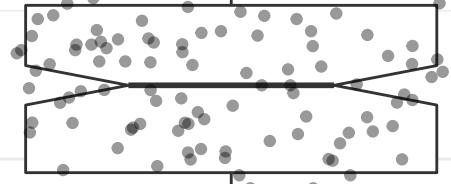
0.00

-0.05

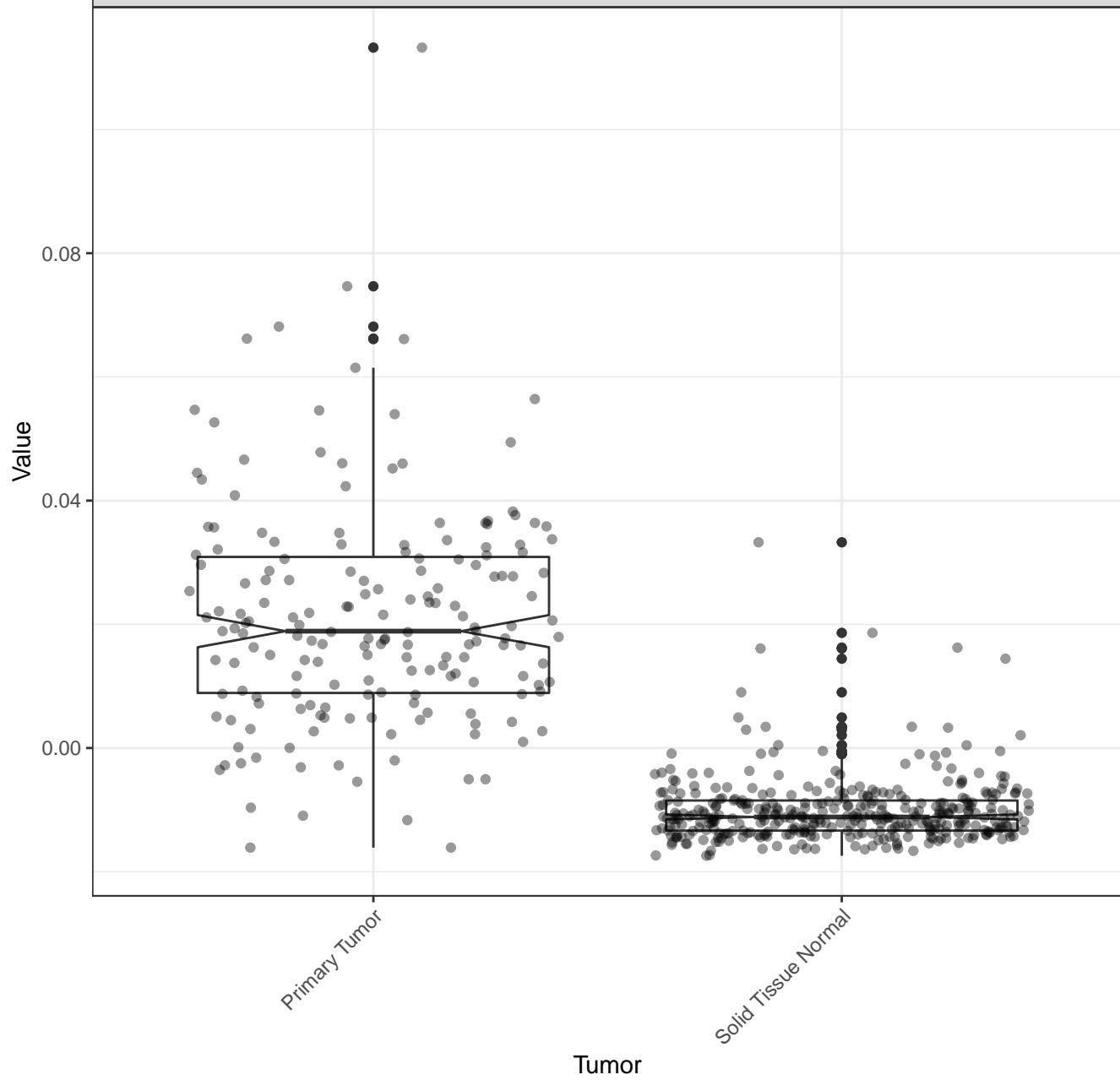
Primary Tumor

Solid Tissue Normal

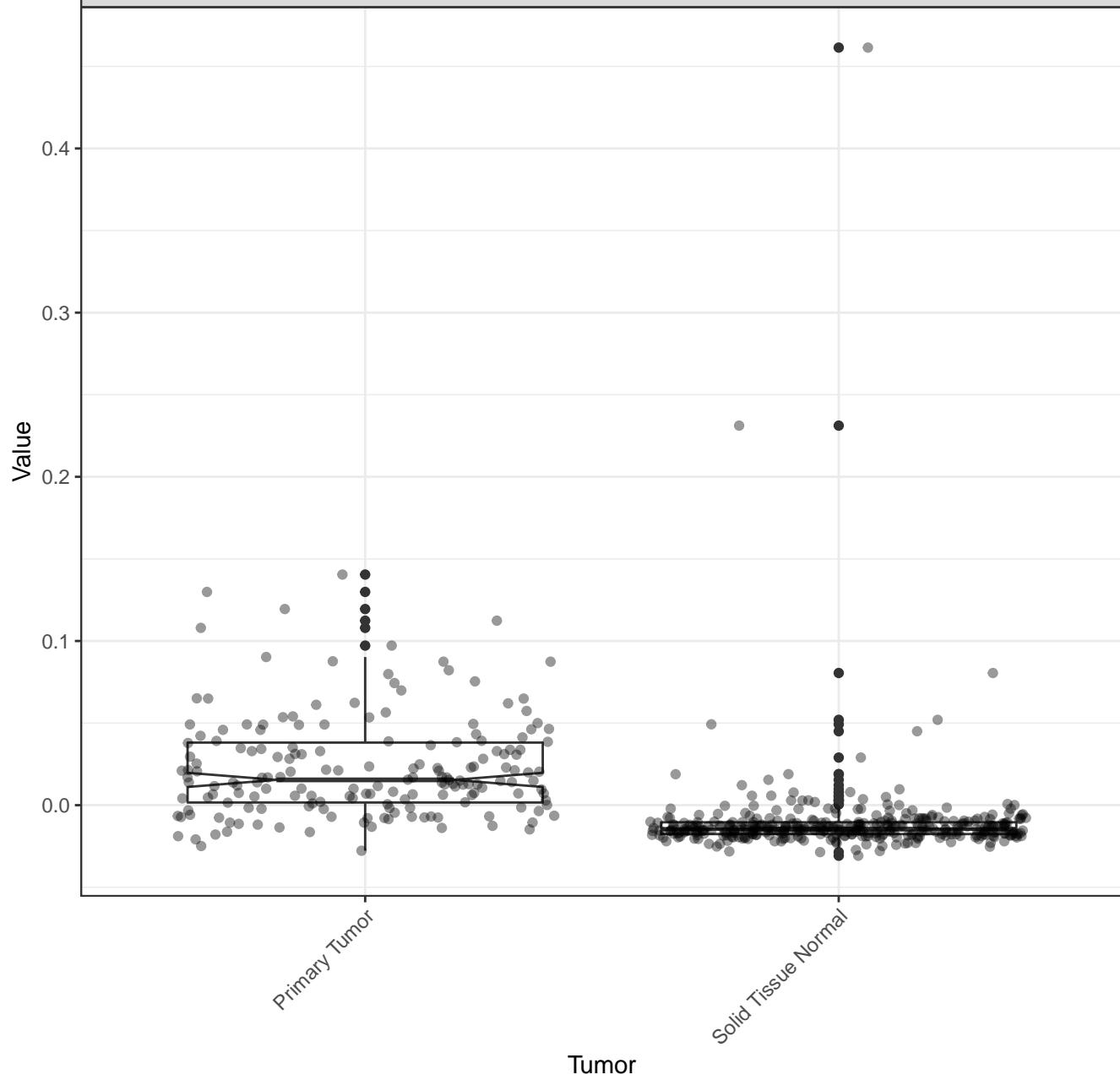
Tumor



LV 226



228,DMAP_NKA3



229,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX

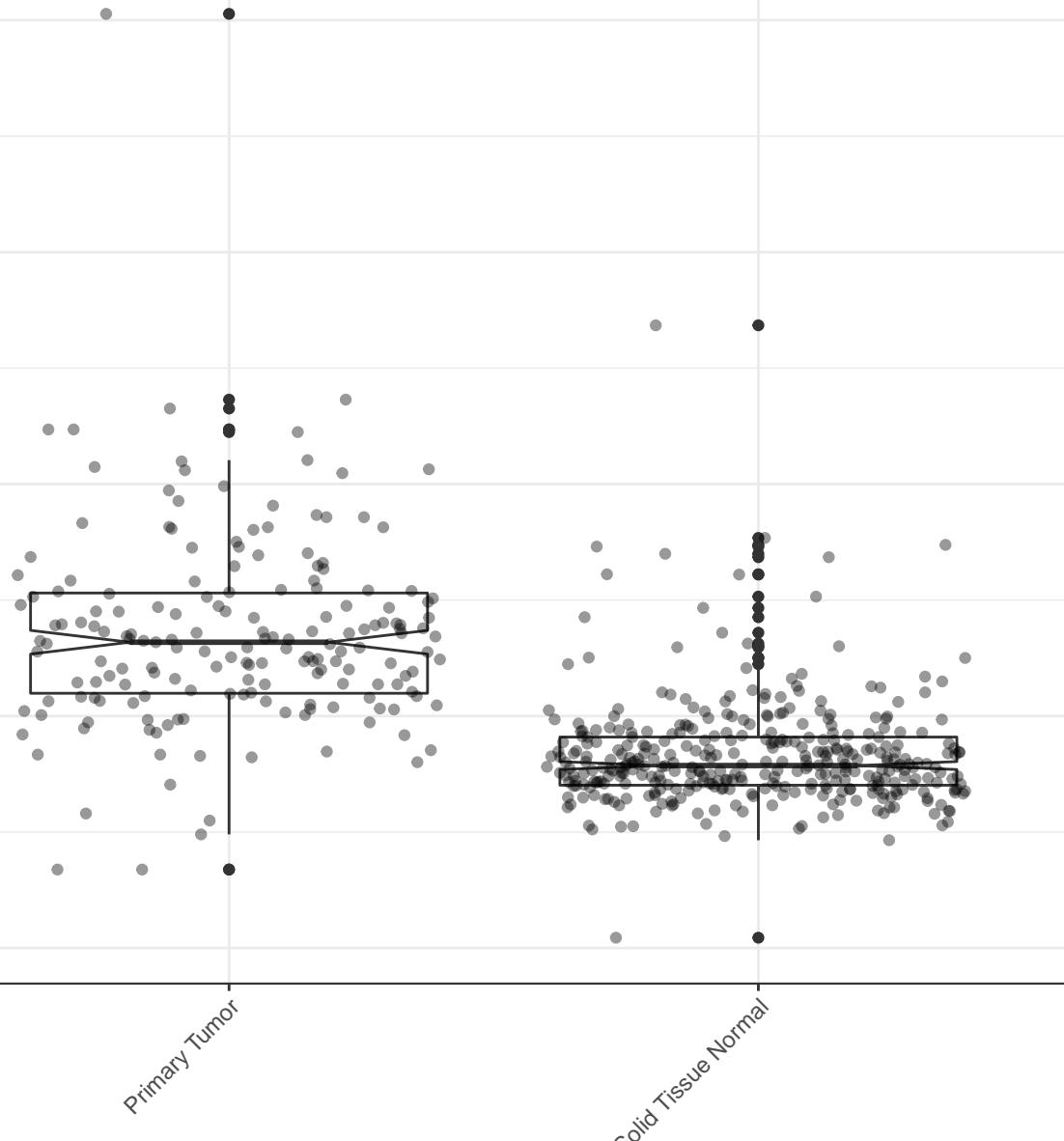
Value

0.15
0.10
0.05
0.00
-0.05

Primary Tumor

Solid Tissue Normal

Tumor



LV 230

Value

0.08

0.04

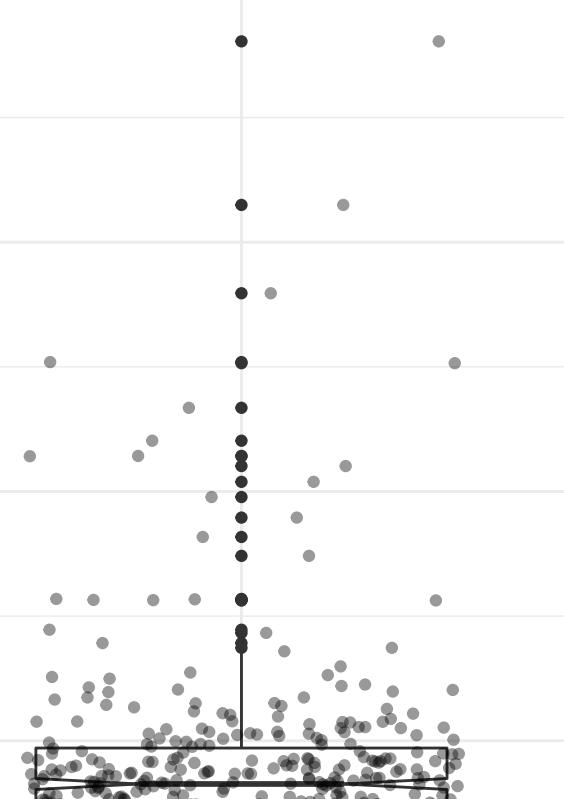
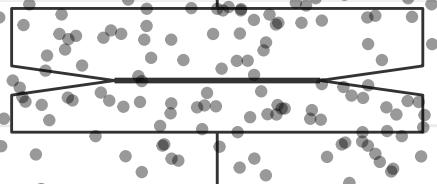
0.00

-0.04

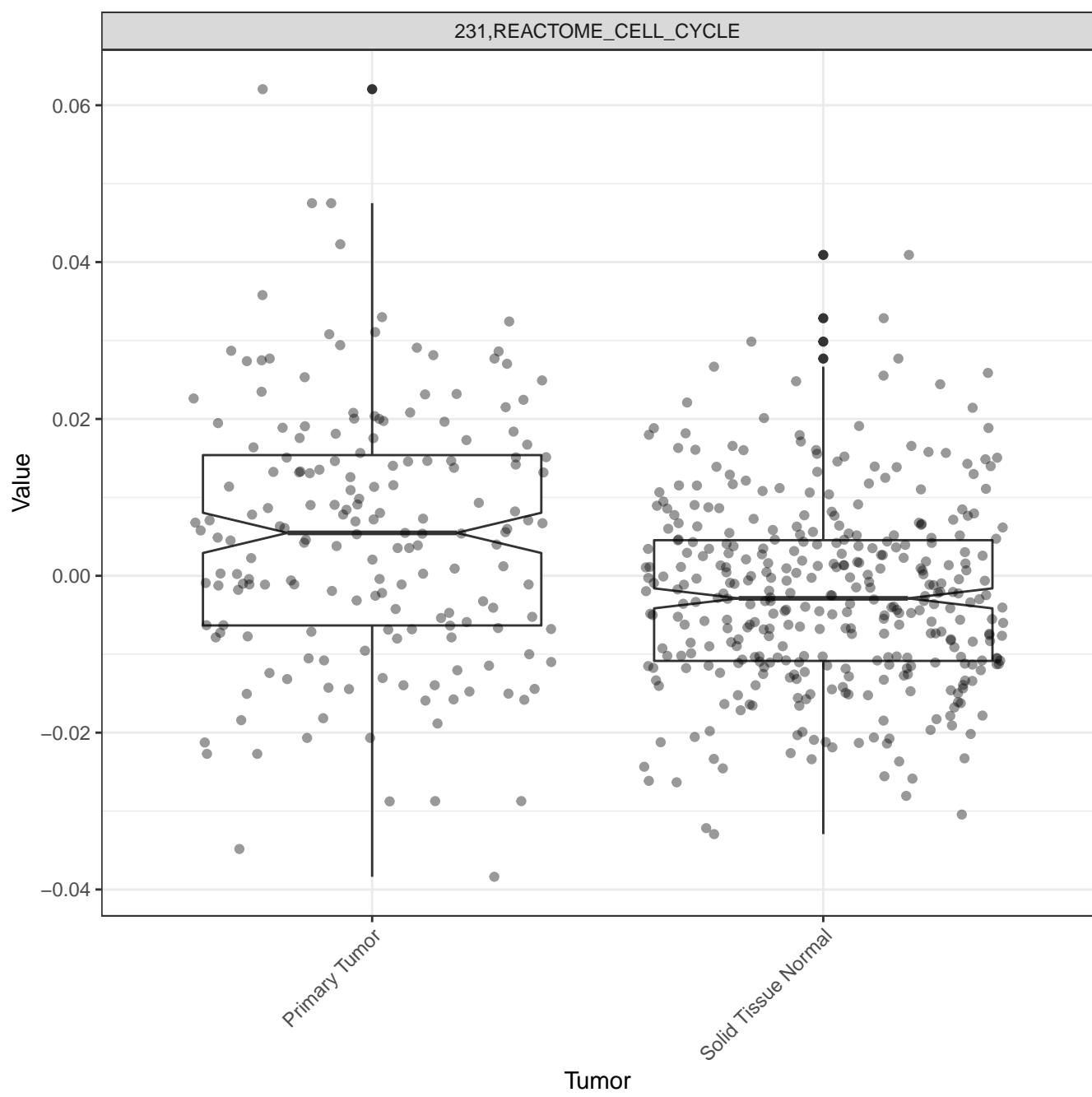
Primary Tumor

Solid Tissue Normal

Tumor



231,REACTOME_CELL_CYCLE



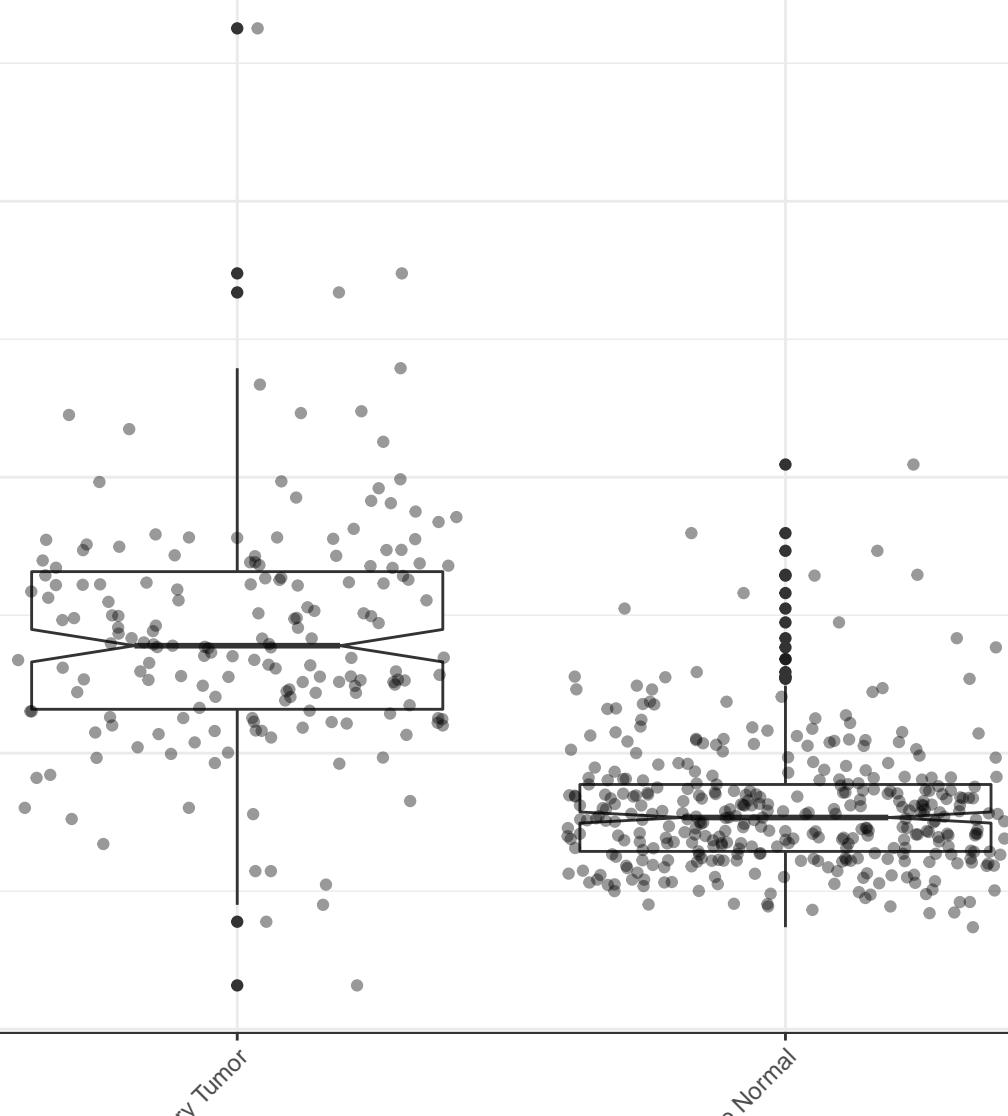
Value

0.08
0.04
0.00
-0.04

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.08

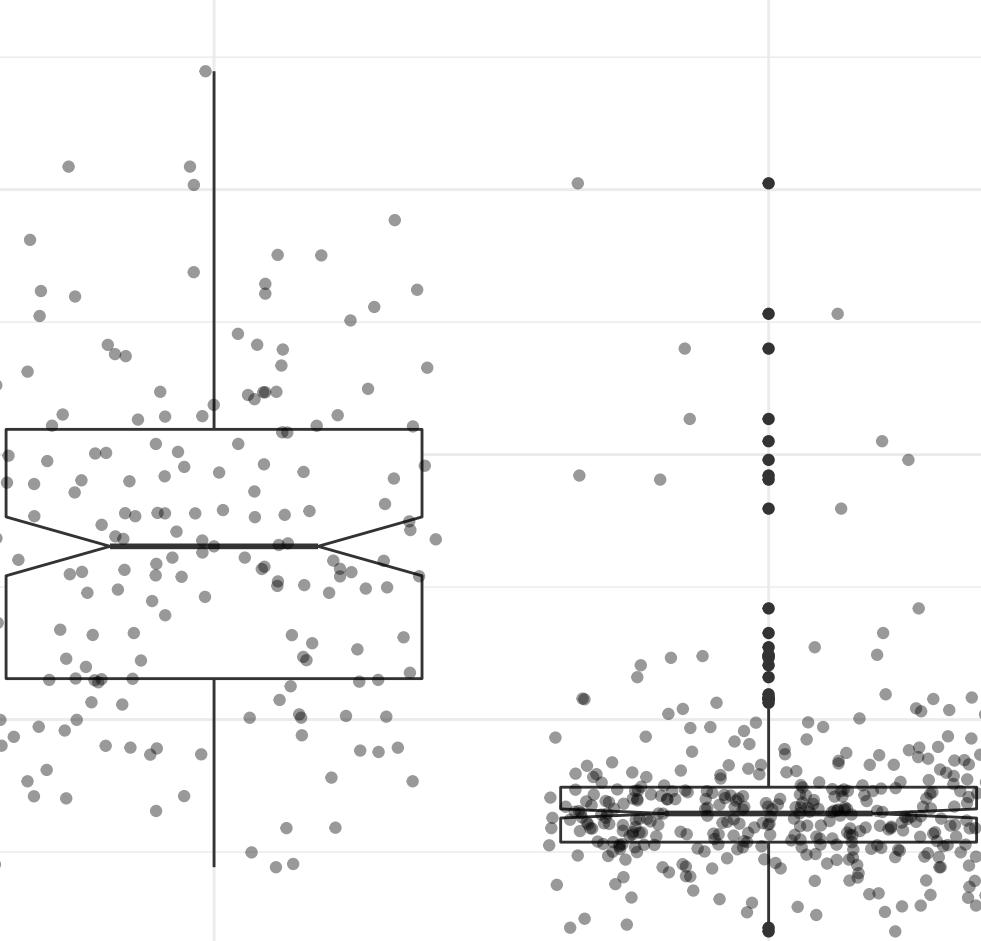
0.04

0.00

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.08

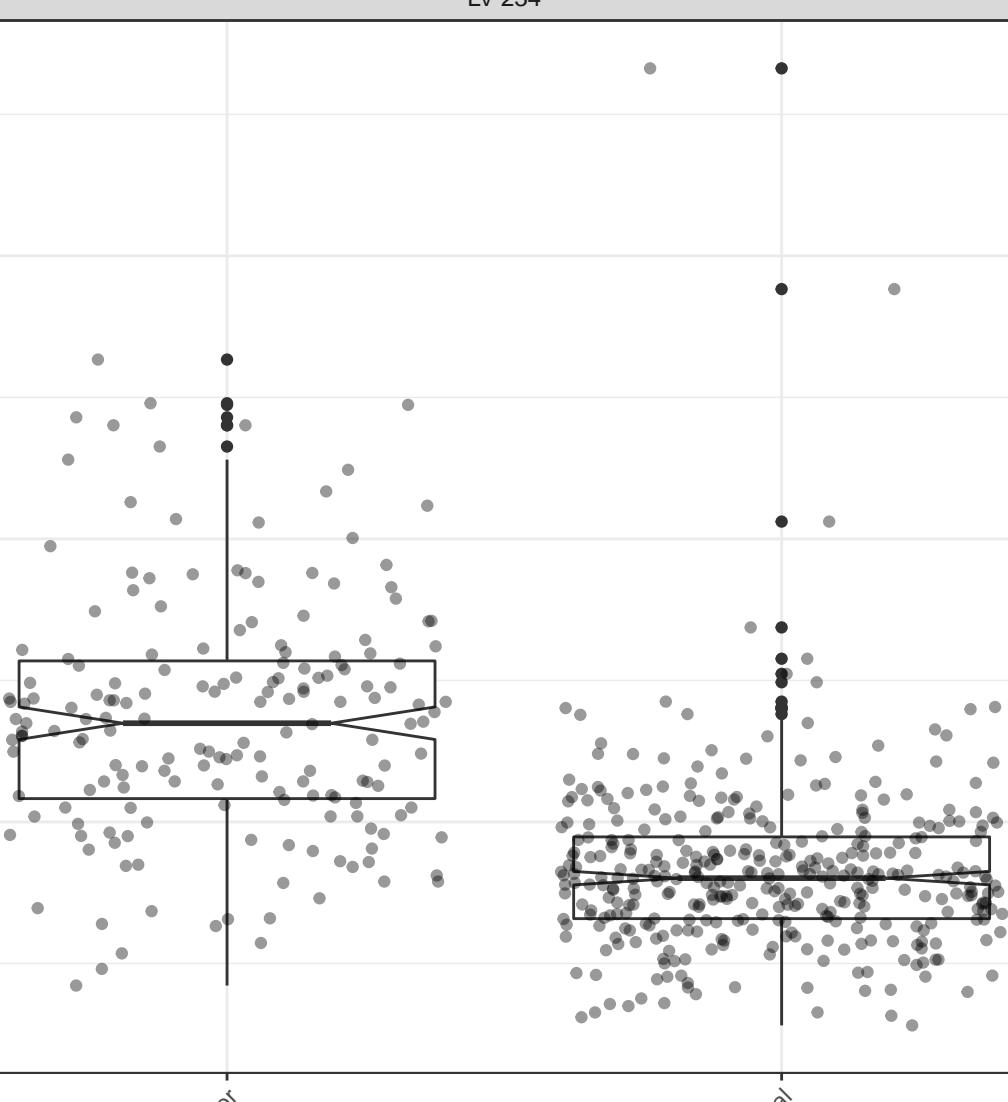
0.04

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 235

Value

0.10

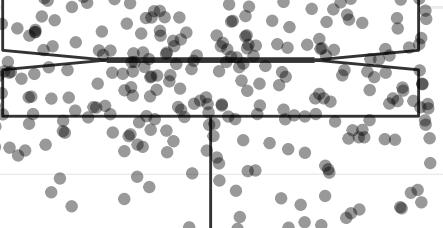
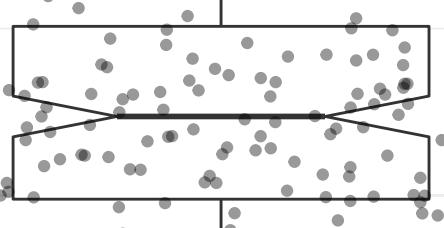
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



236,REACTOME_MEIOSIS

Value

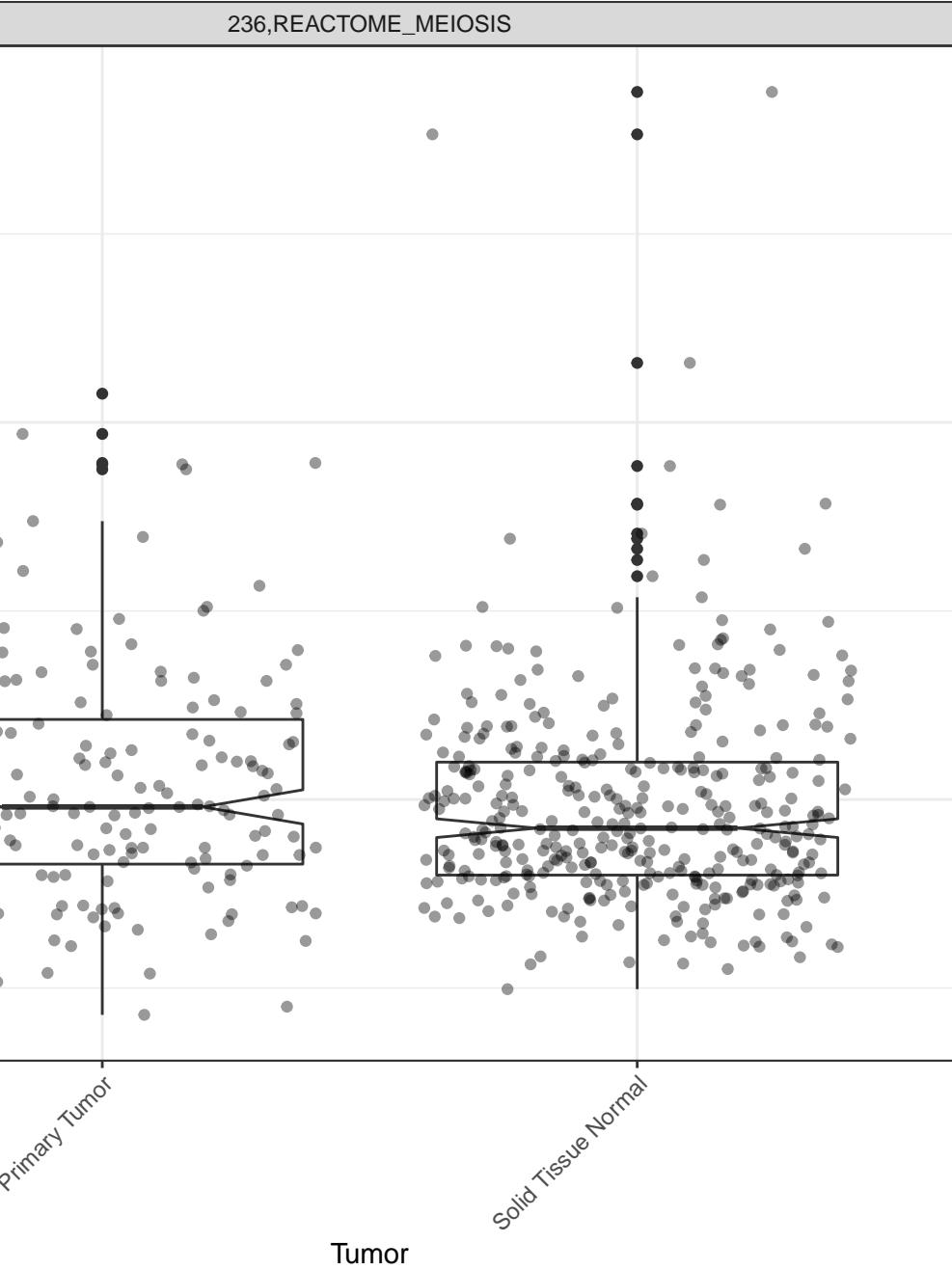
0.05

0.00

Primary Tumor

Tumor

Solid Tissue Normal



237,SVM Macrophages M0

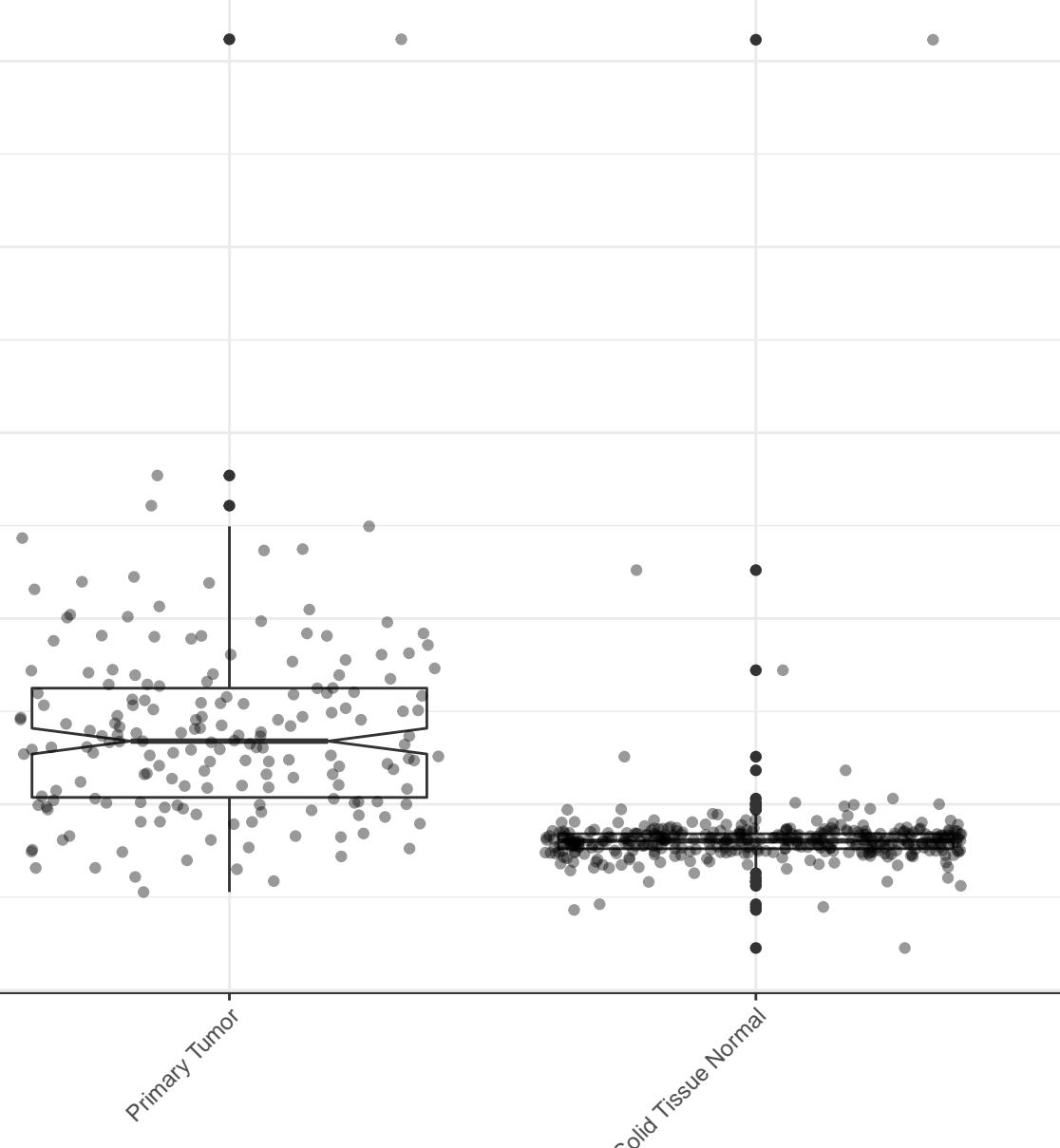
Value

0.4
0.3
0.2
0.1
0.0
-0.1

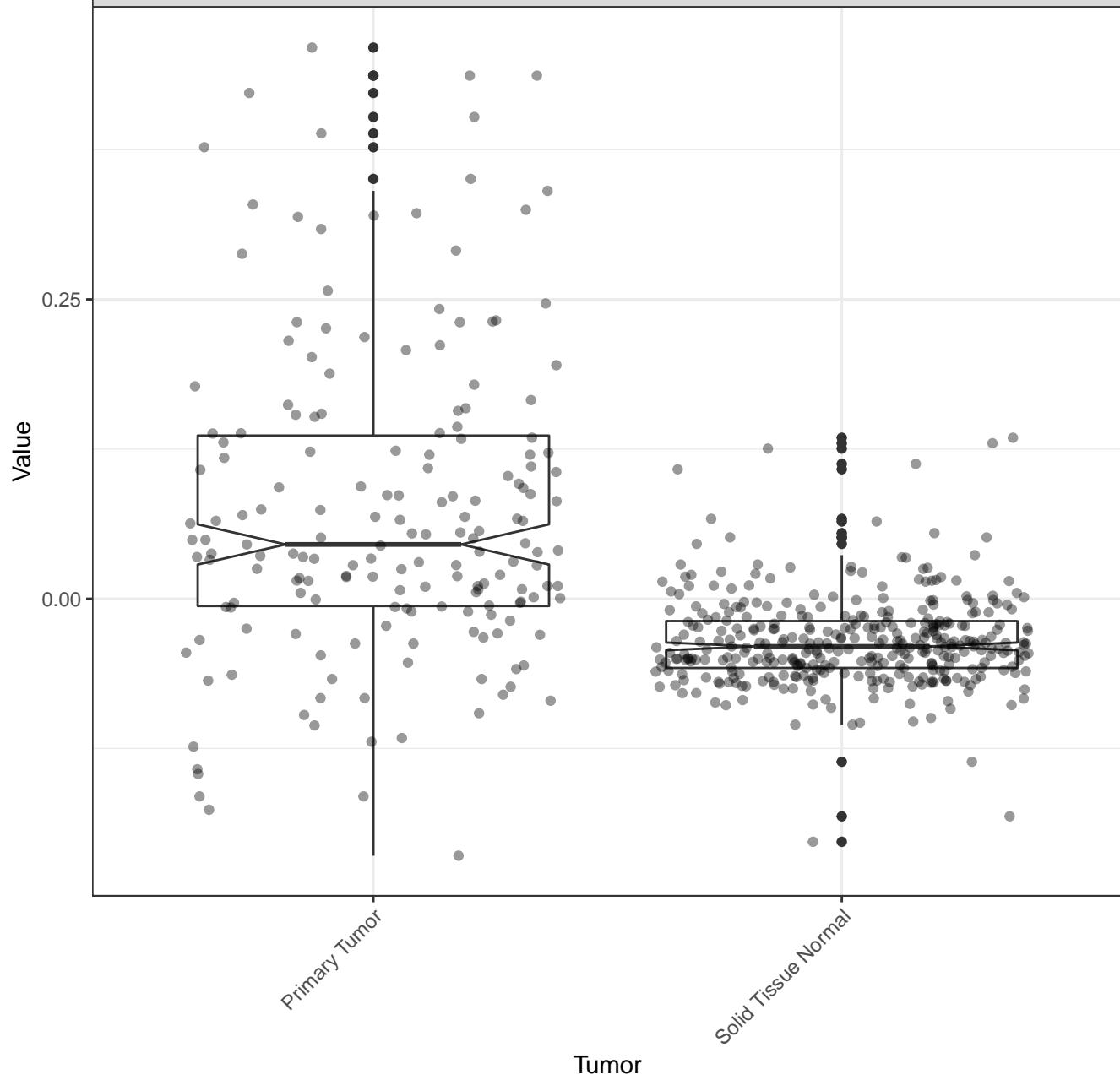
Primary Tumor

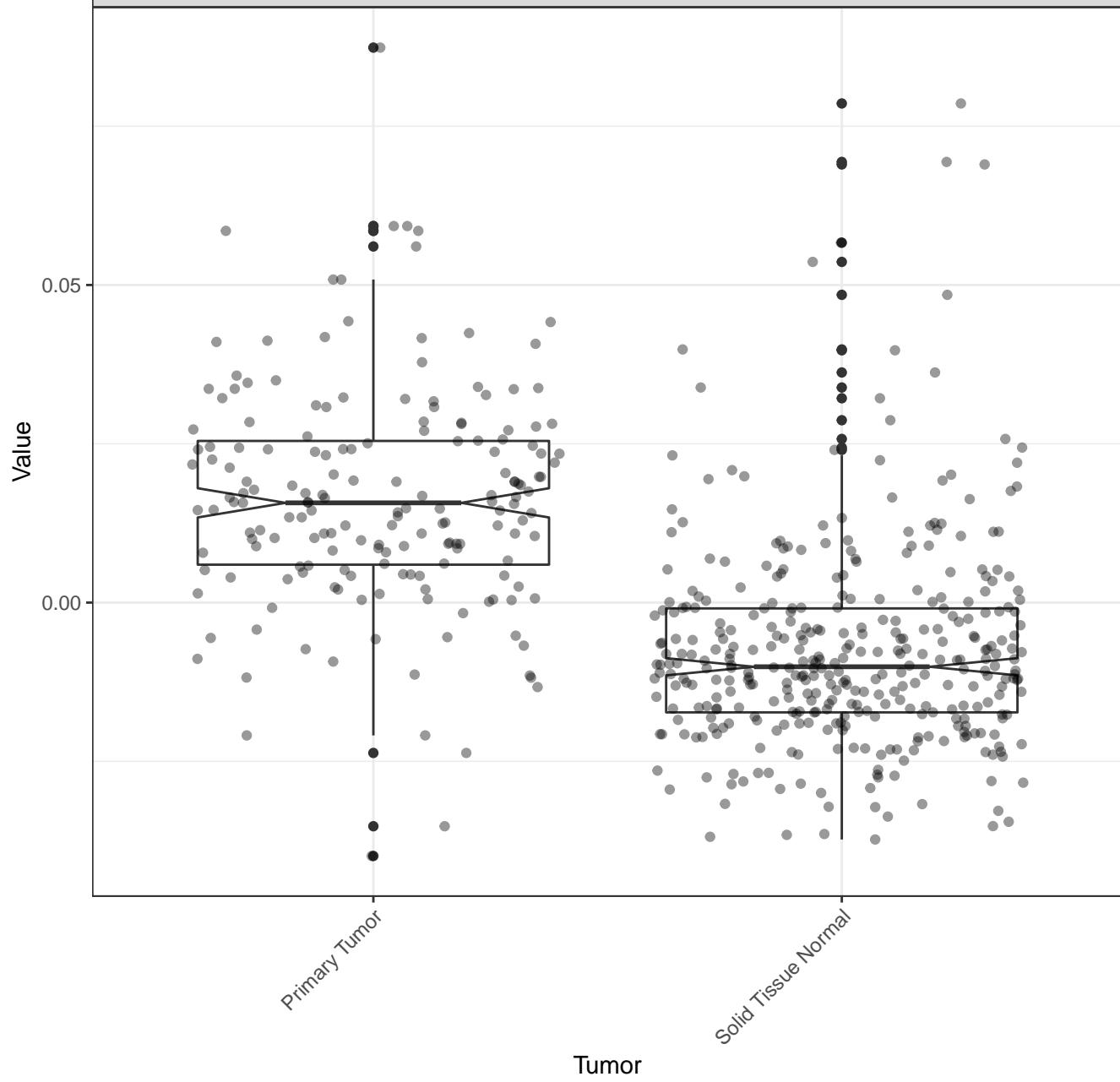
Solid Tissue Normal

Tumor



238,REACTOME_MRNA_PROCESSING





LV 240

Value

0.06

0.03

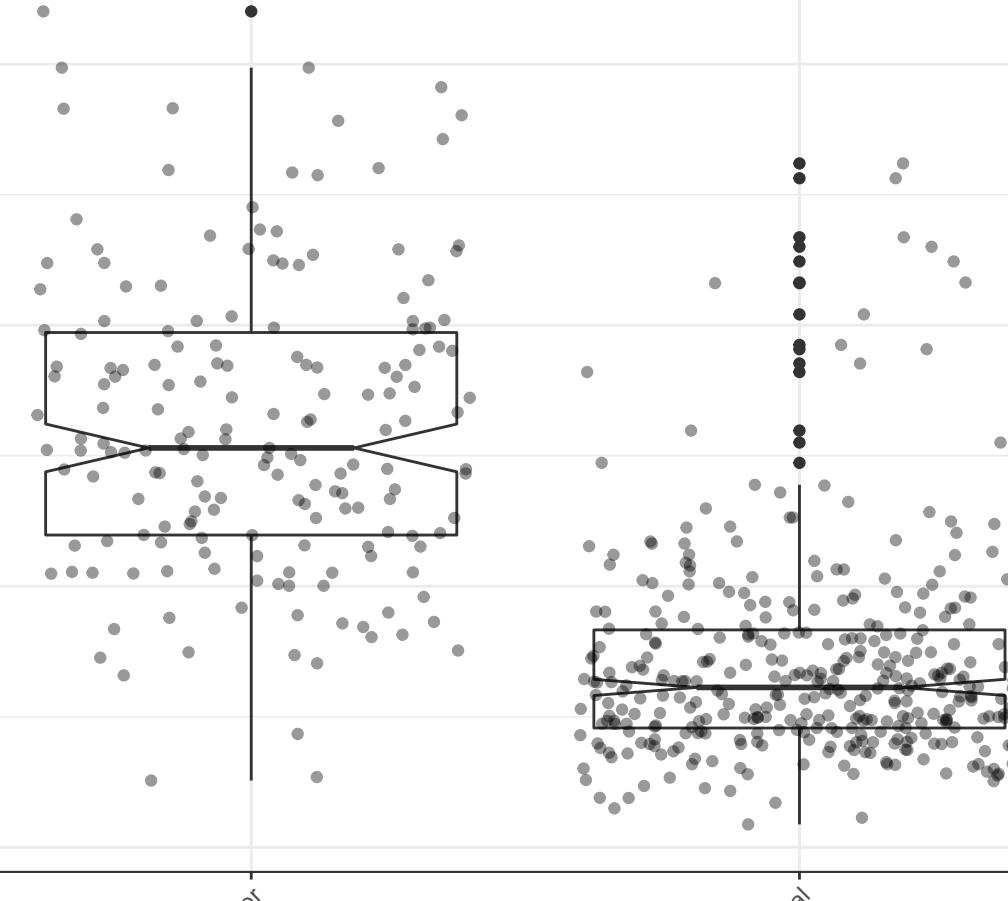
0.00

-0.03

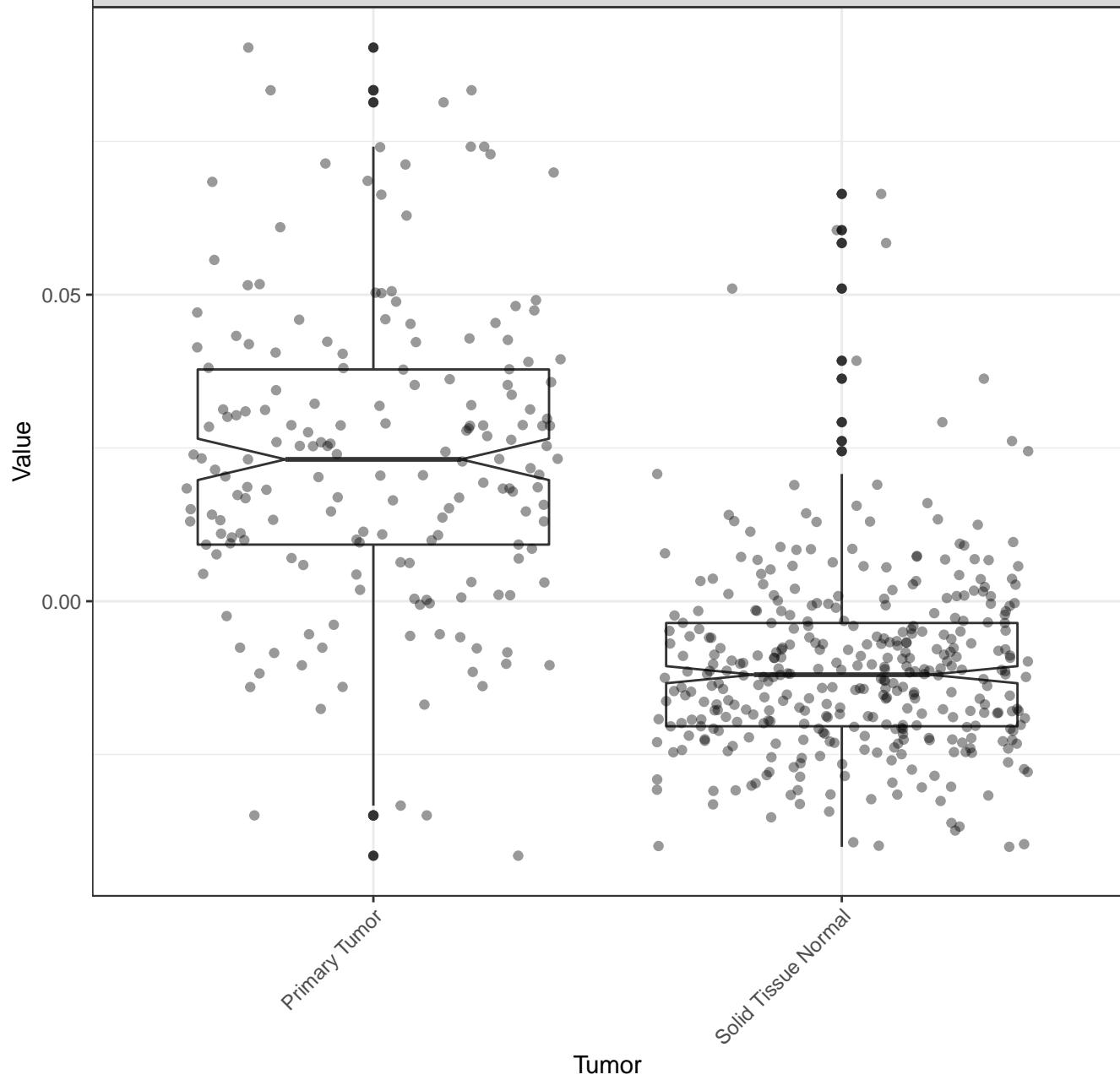
Primary Tumor

Solid Tissue Normal

Tumor



241,KEGG_GLIOMA



LV 242

Value

0.10

0.05

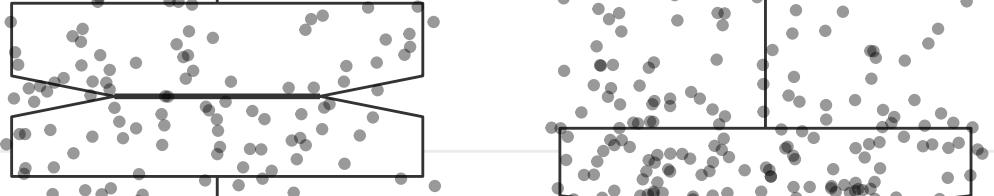
0.00

-0.05

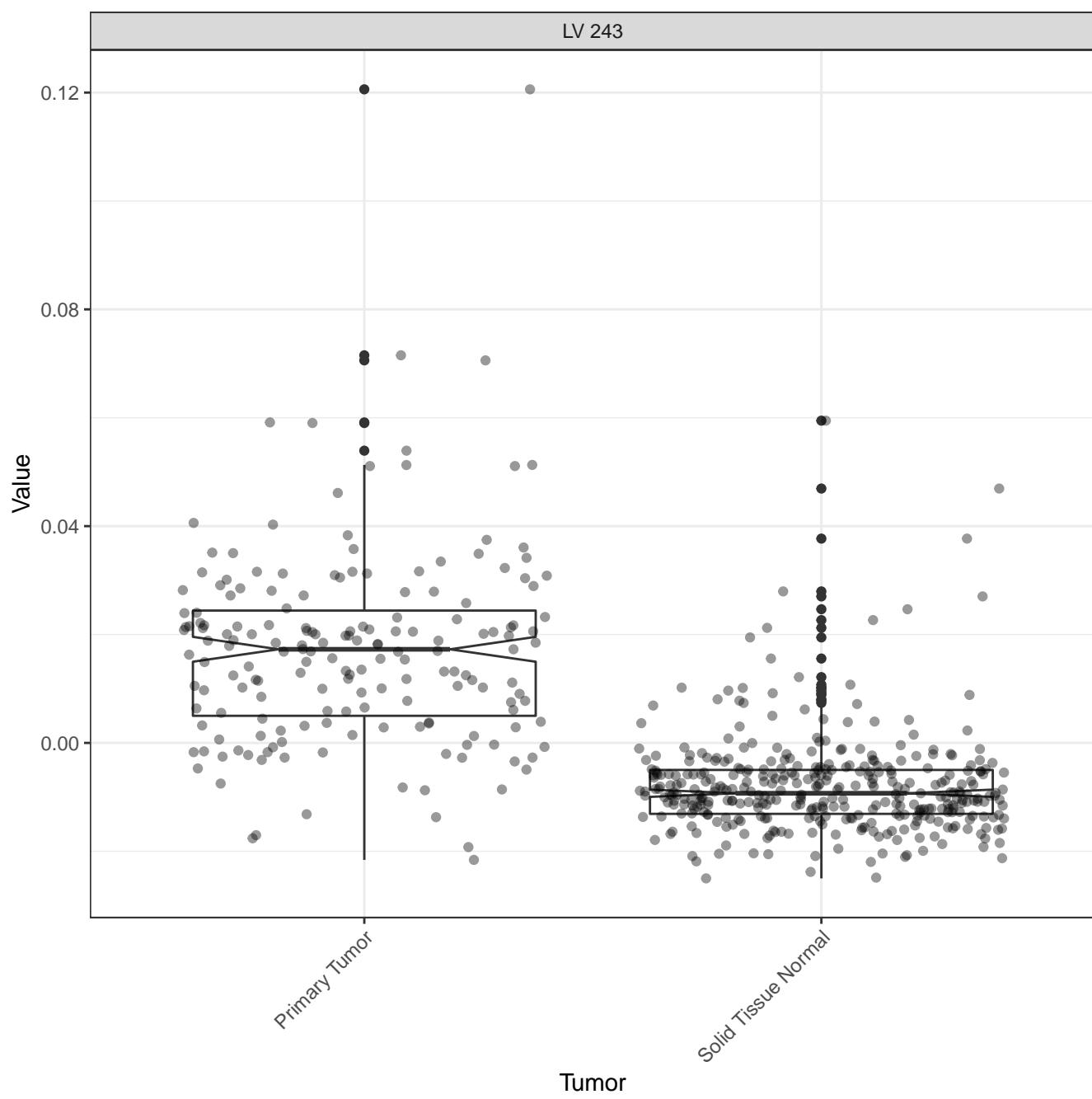
Primary Tumor

Solid Tissue Normal

Tumor



LV 243



LV 244

Value

0.09

0.06

0.03

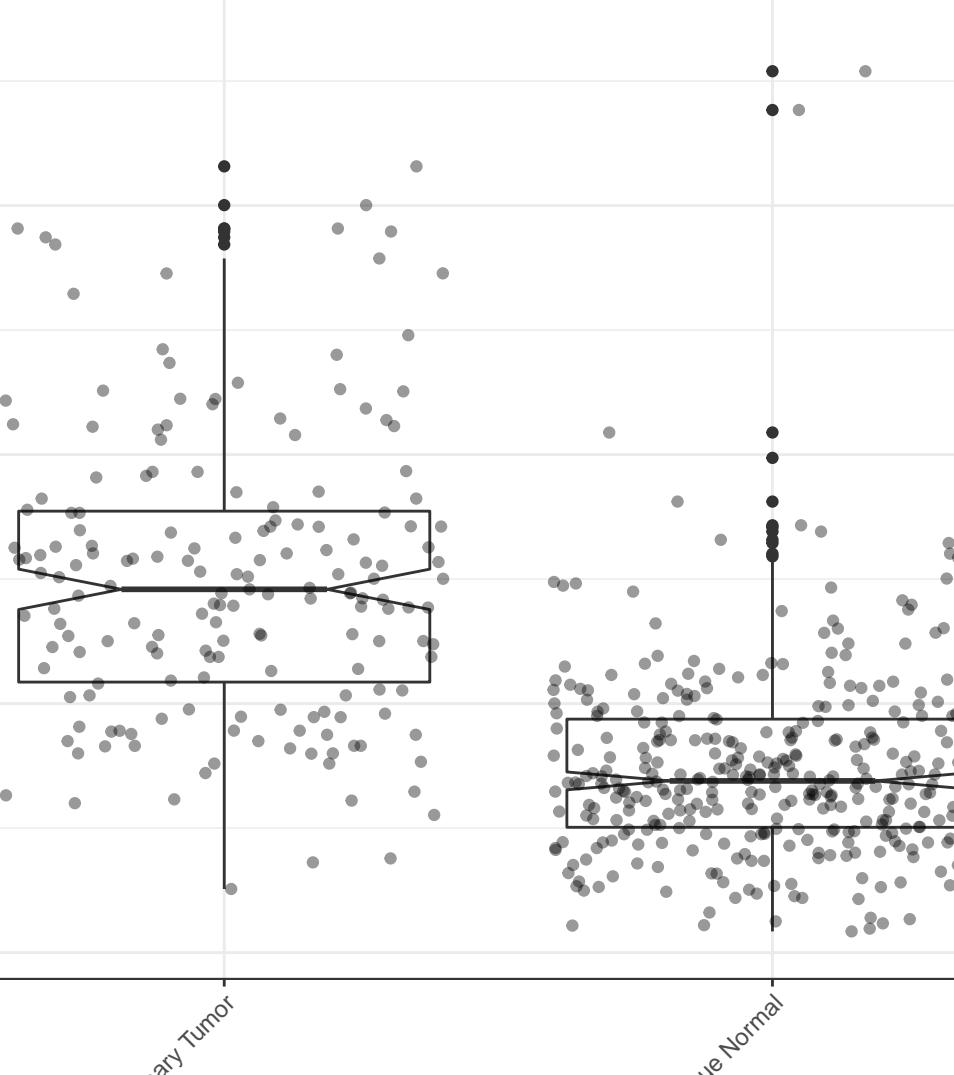
0.00

-0.03

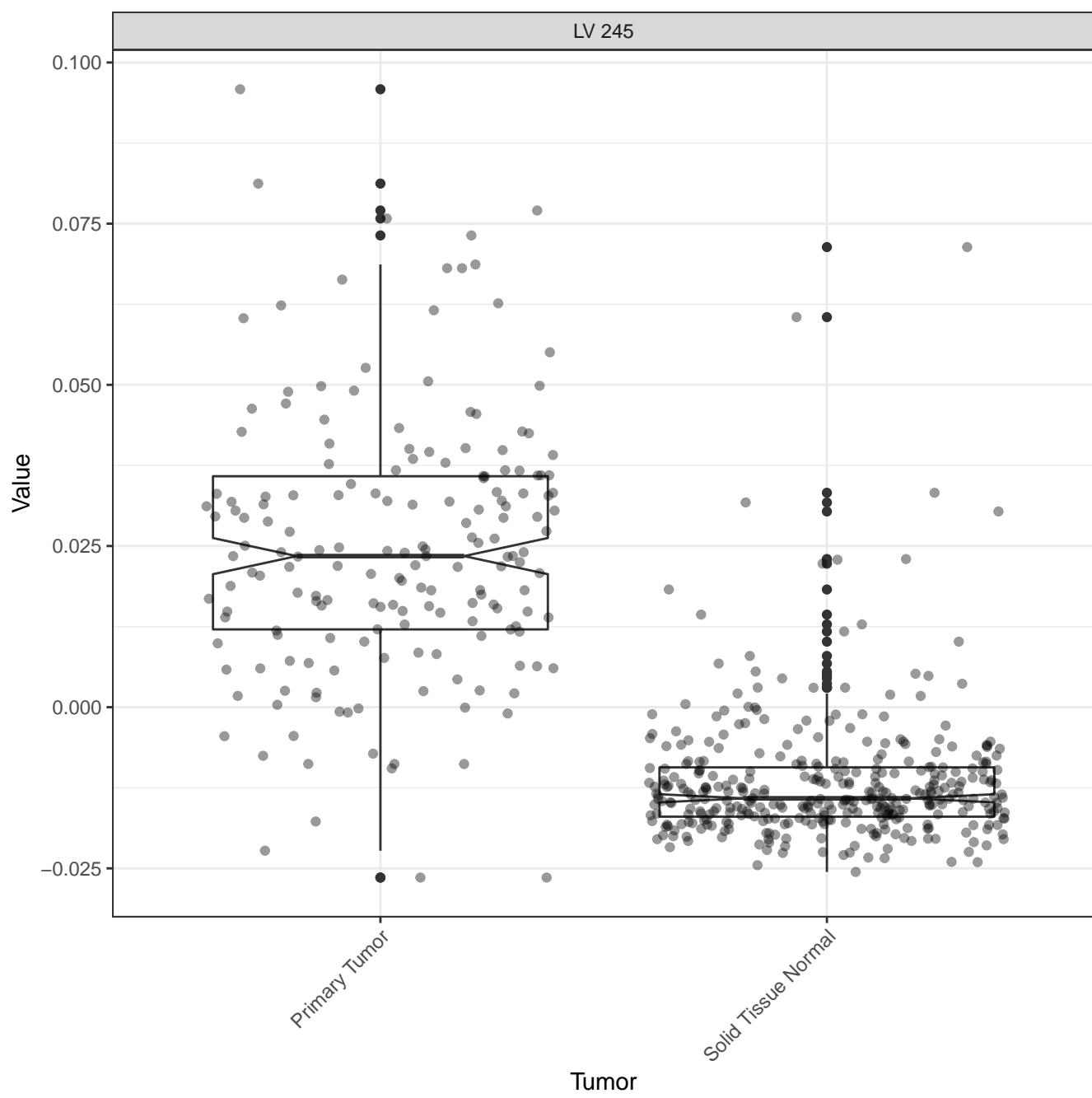
Primary Tumor

Solid Tissue Normal

Tumor



LV 245



LV 246

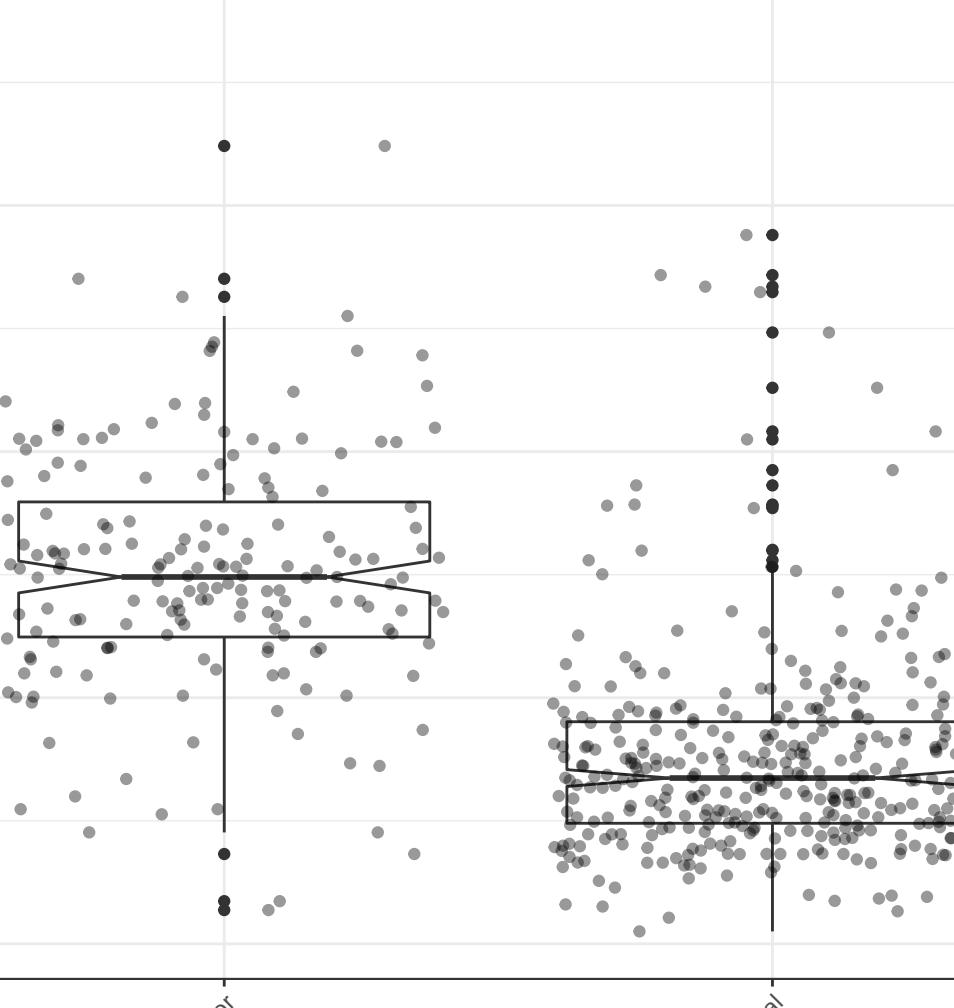
Value

0.09
0.06
0.03
0.00
-0.03

Primary Tumor

Solid Tissue Normal

Tumor



LV 247

Value

0.12

0.08

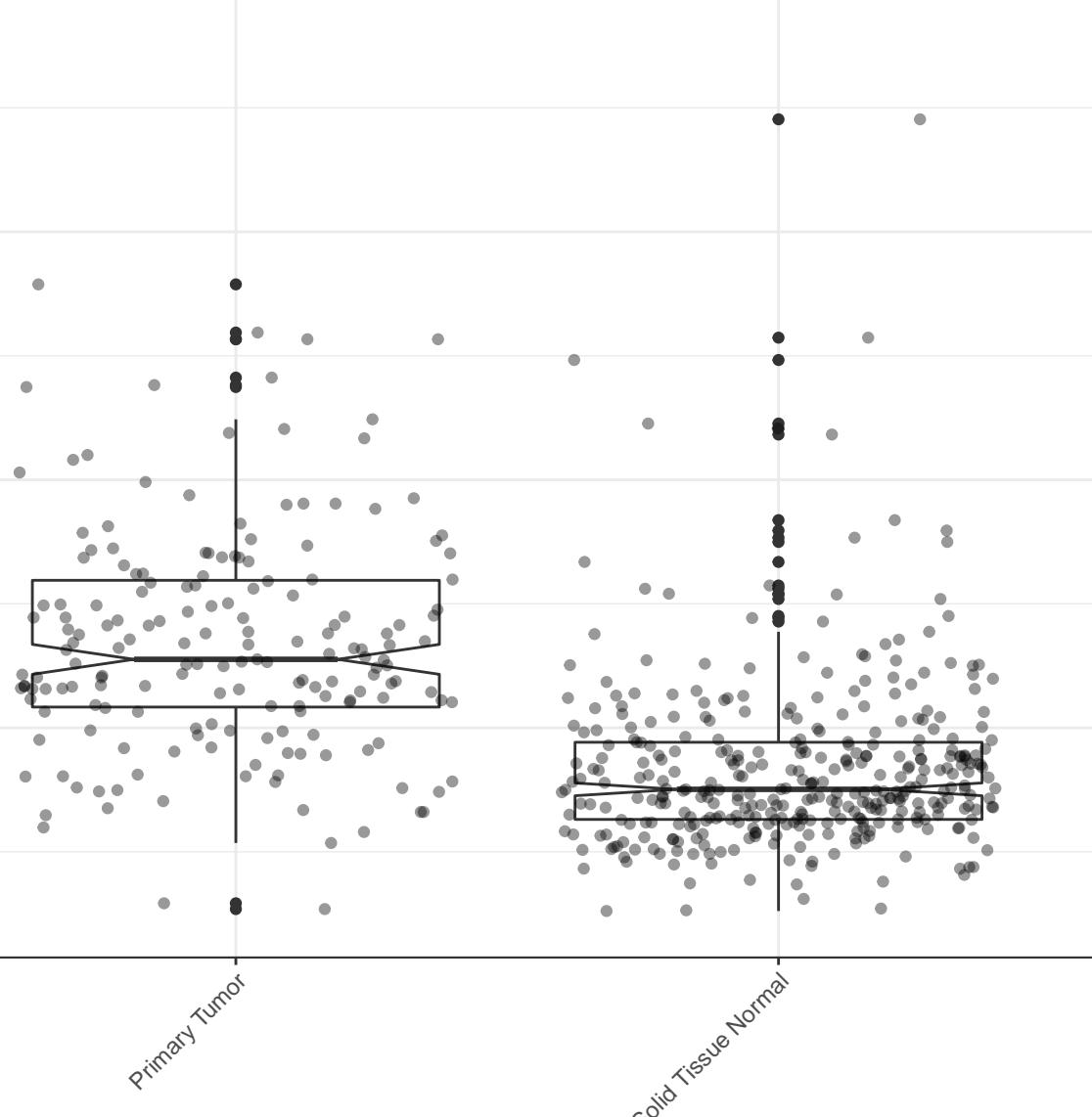
0.04

0.00

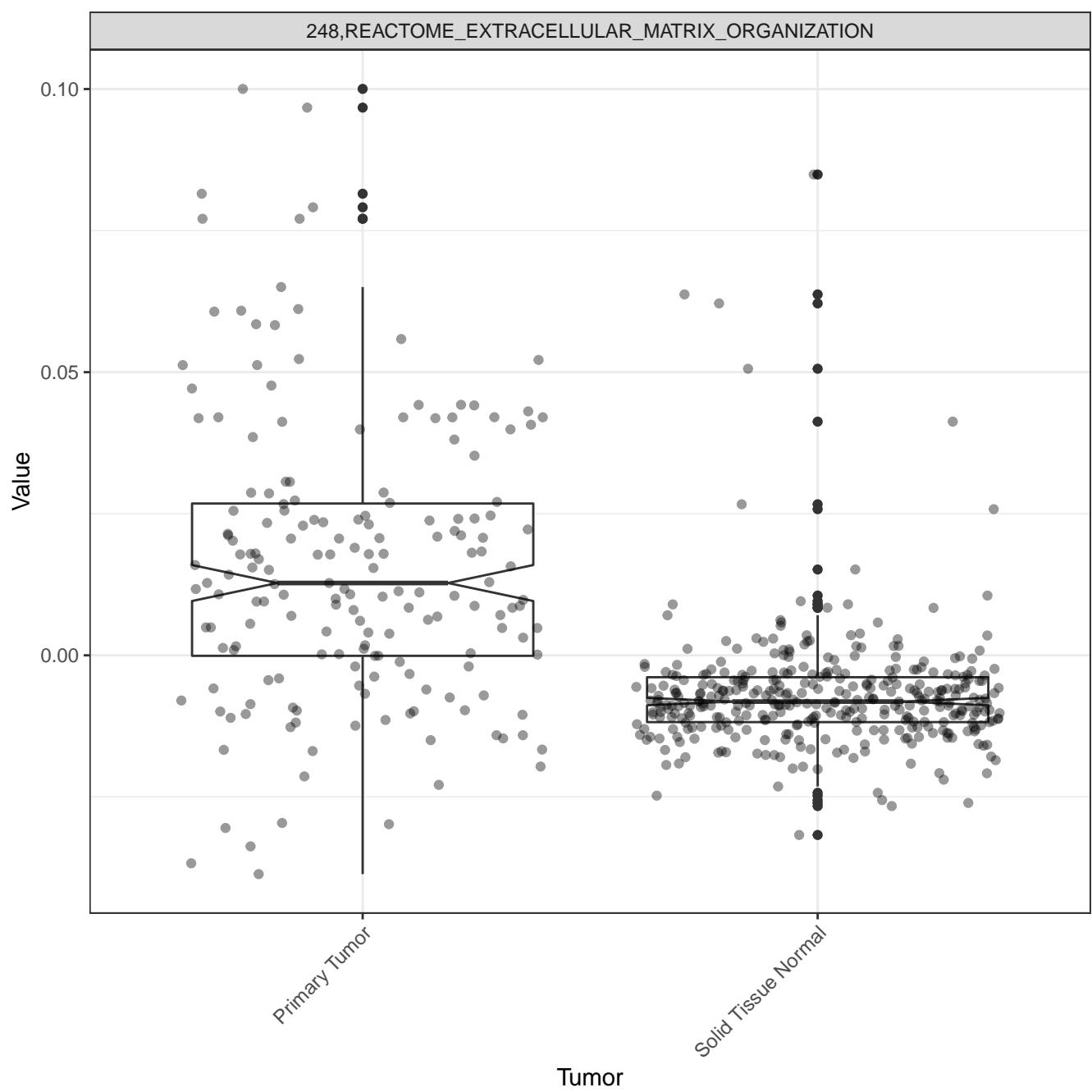
Primary Tumor

Solid Tissue Normal

Tumor



248,REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION



LV 249

Value

0.09

0.06

0.03

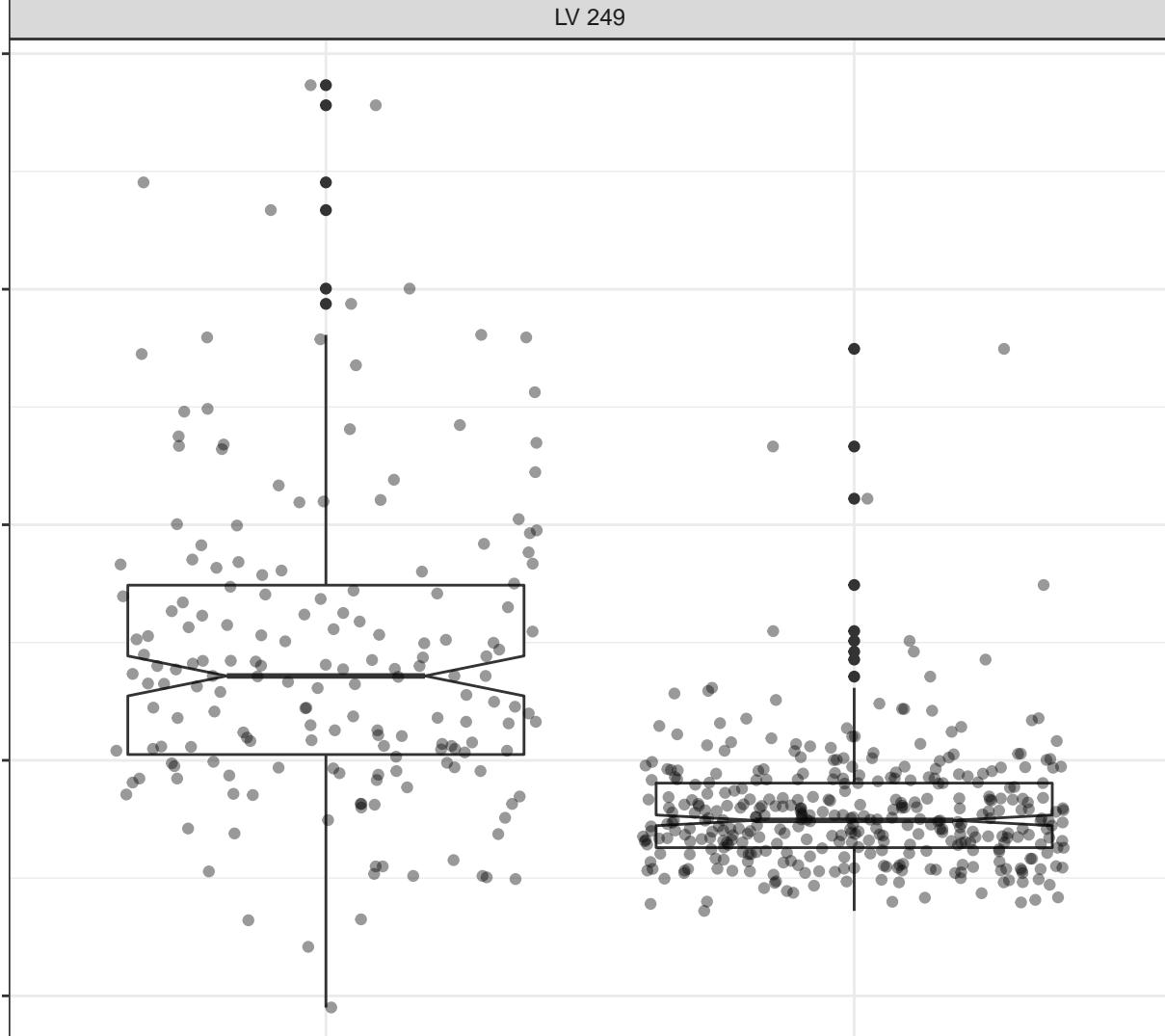
0.00

-0.03

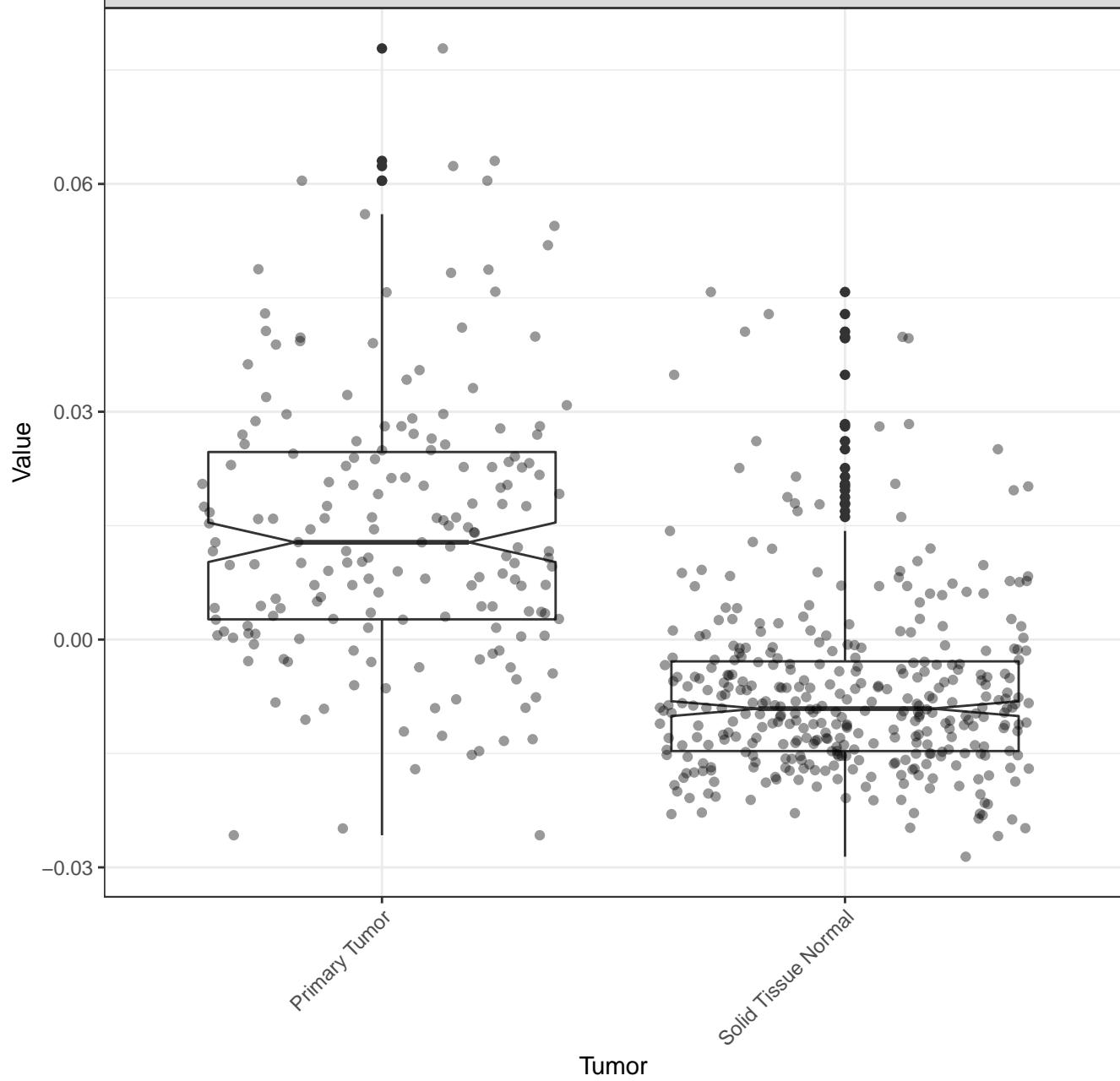
Primary Tumor

Solid Tissue Normal

Tumor



250,DMAP_HSC1



Value

0.10

0.05

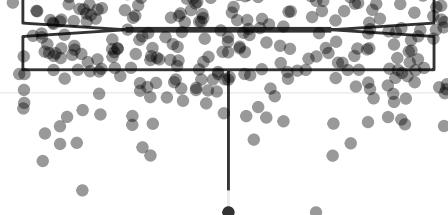
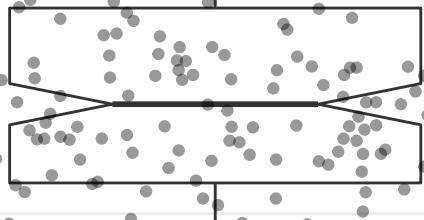
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



LV 252

Value

0.08

0.04

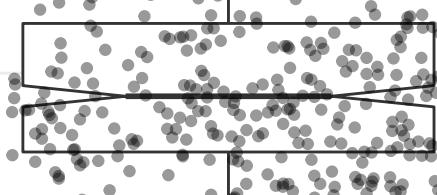
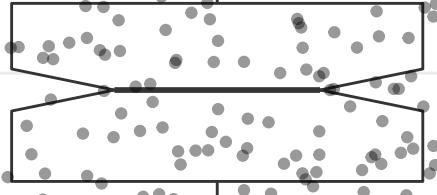
0.00

-0.04

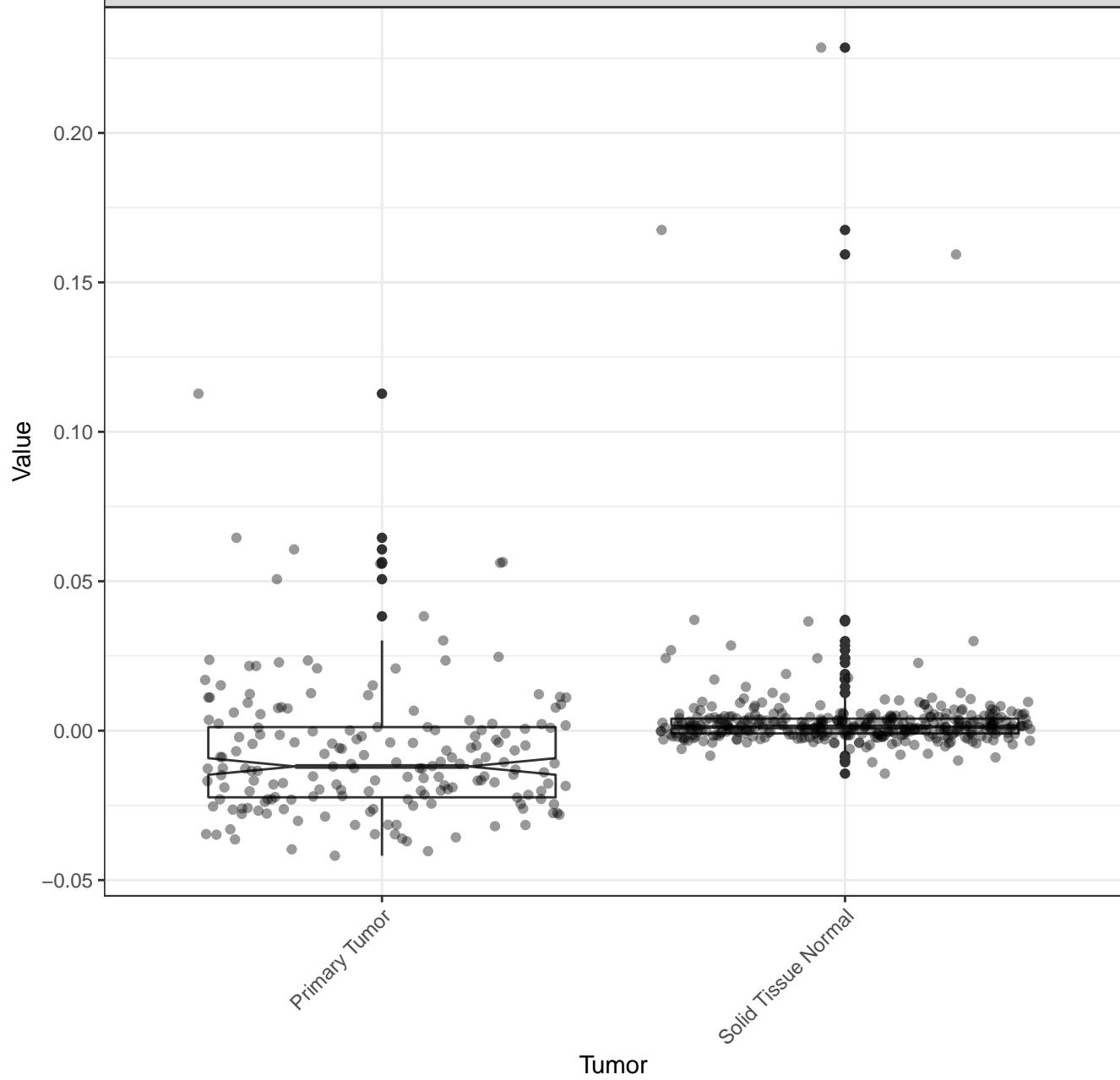
Primary Tumor

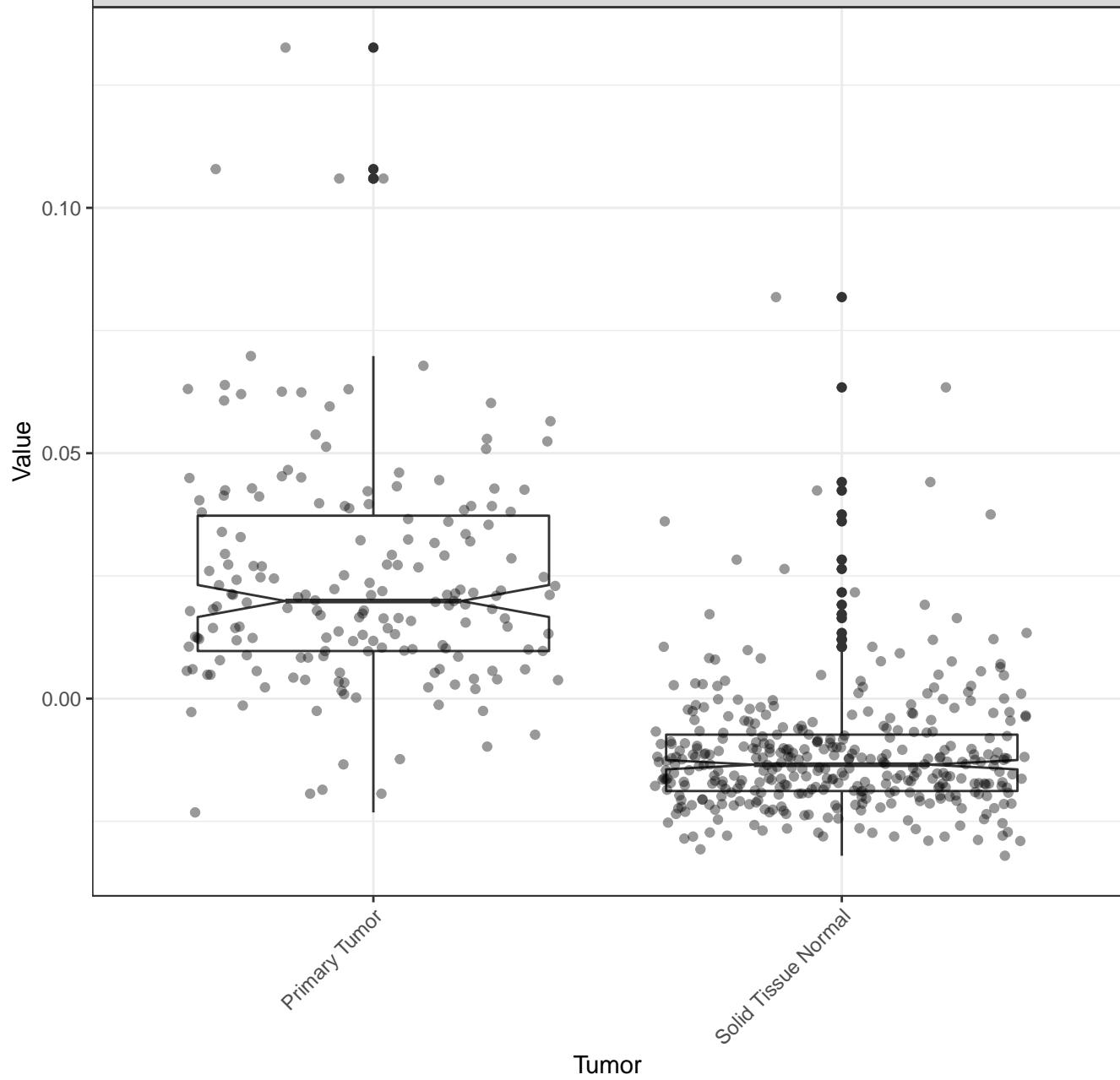
Solid Tissue Normal

Tumor

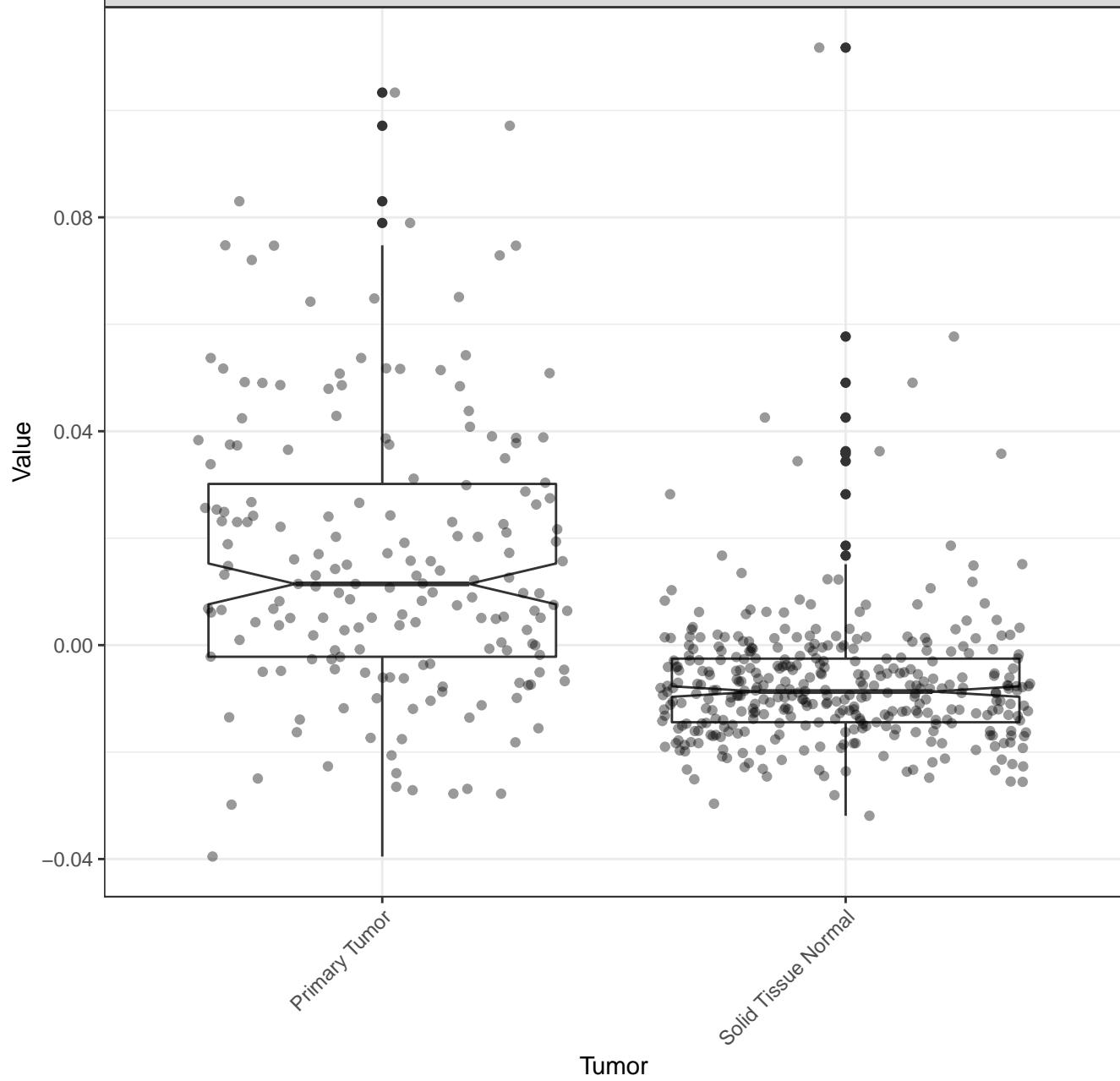


253,KEGG_HEMATOPOIETIC_CELL_LINEAGE

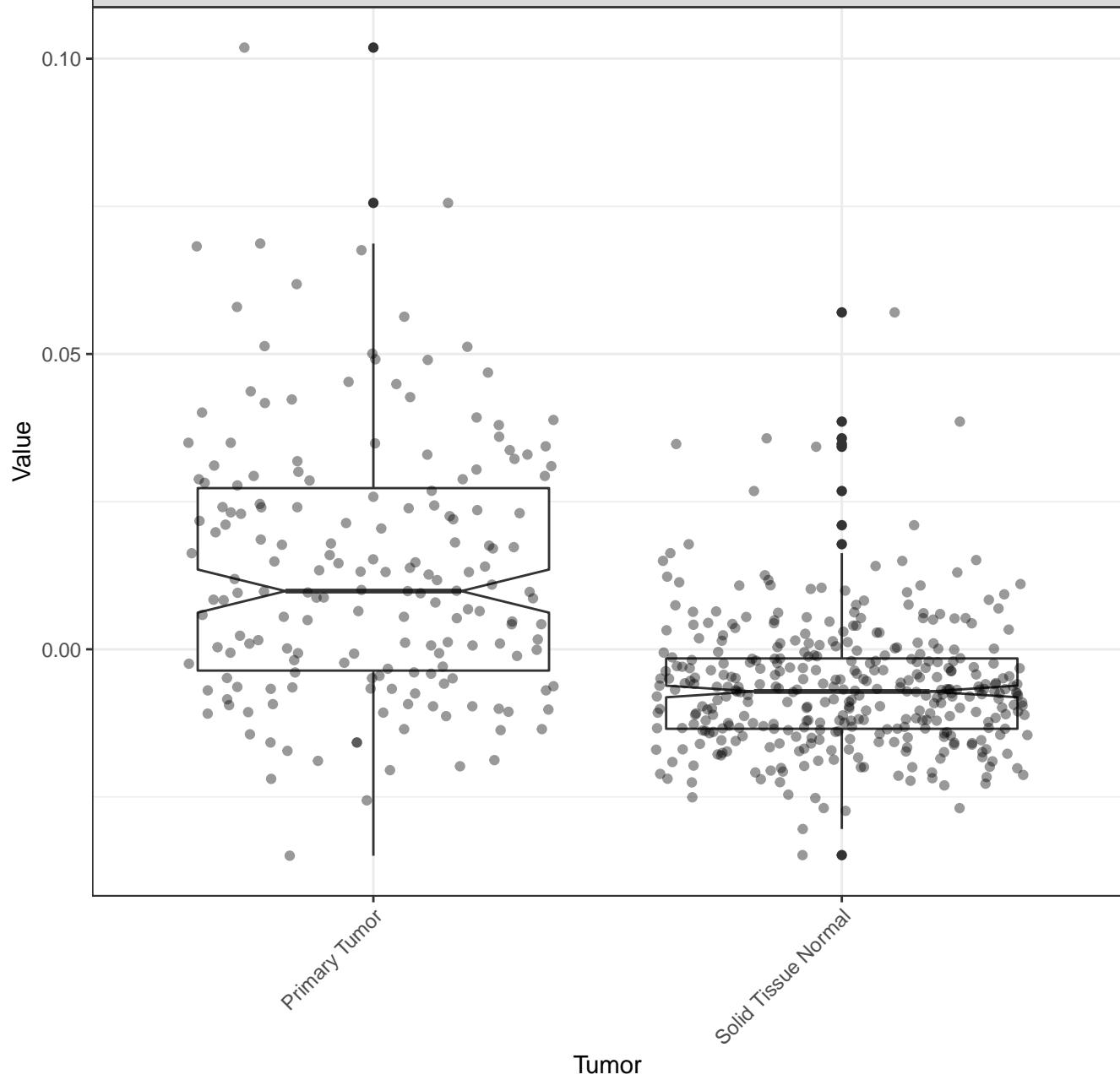




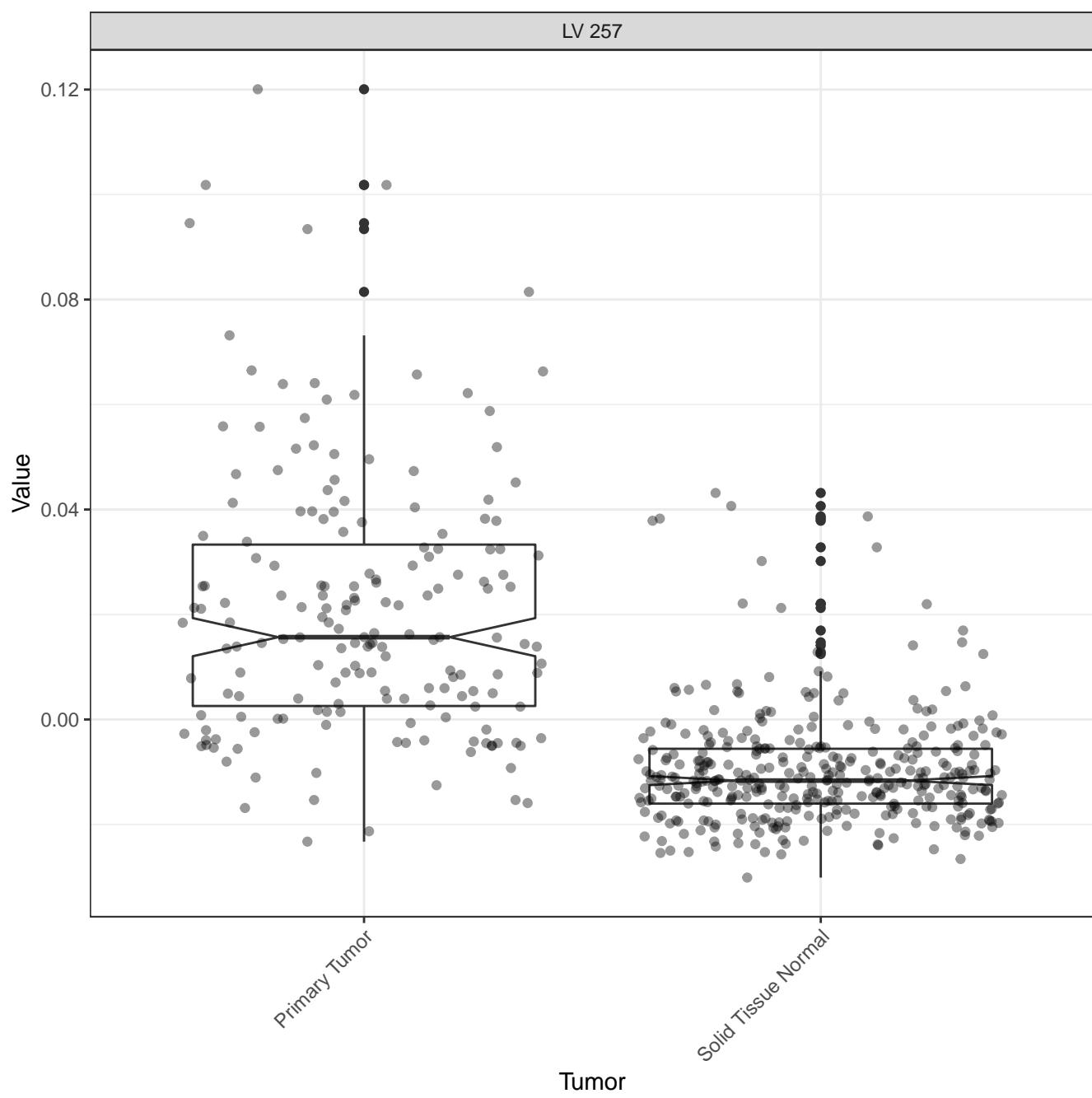
255,KEGG_BASAL_CELL_CARCINOMA



256,KEGG_ARGININE_AND_PROLINE_METABOLISM

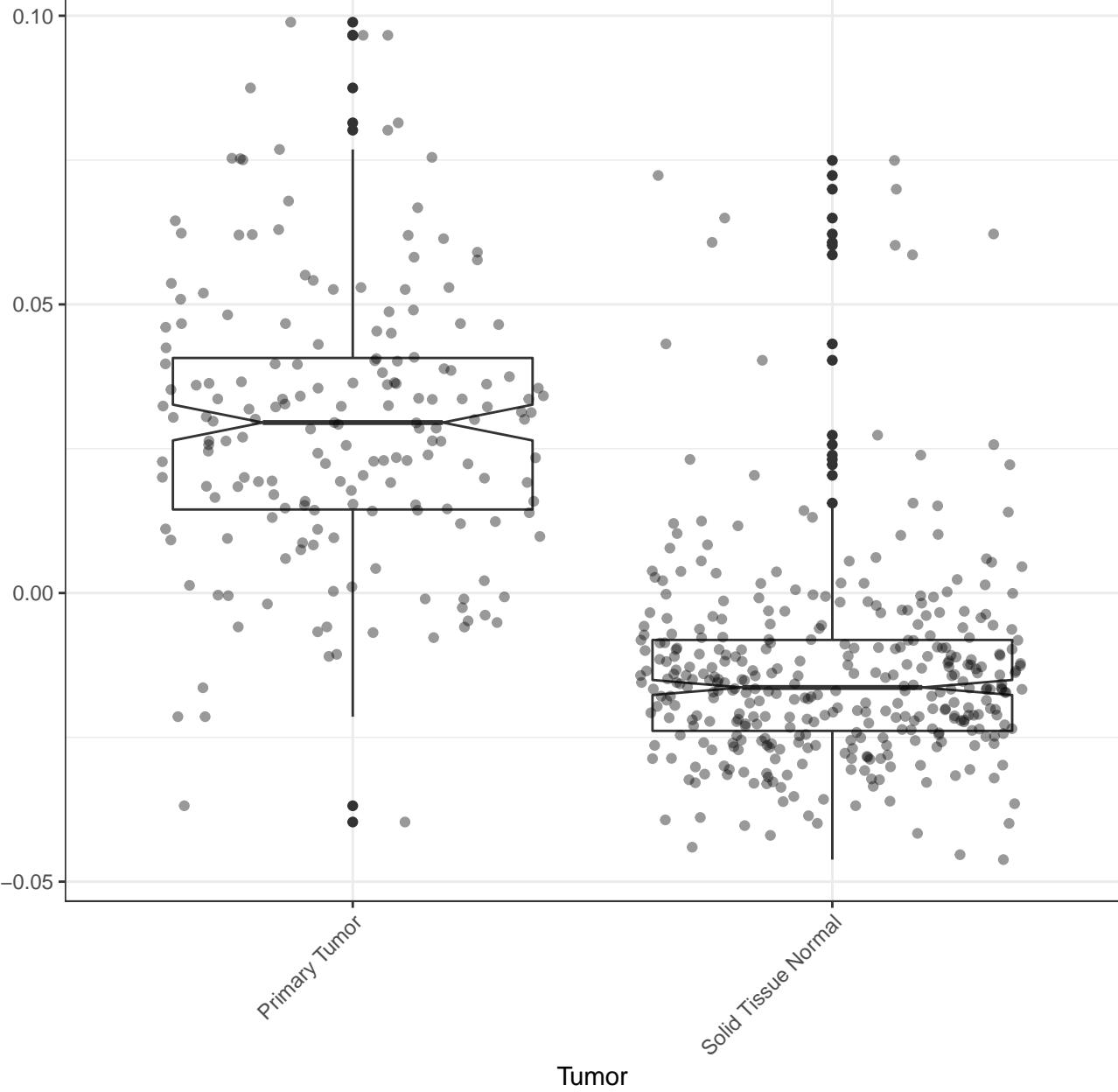


LV 257



LV 258

Value



LV 259

Value

0.15

0.10

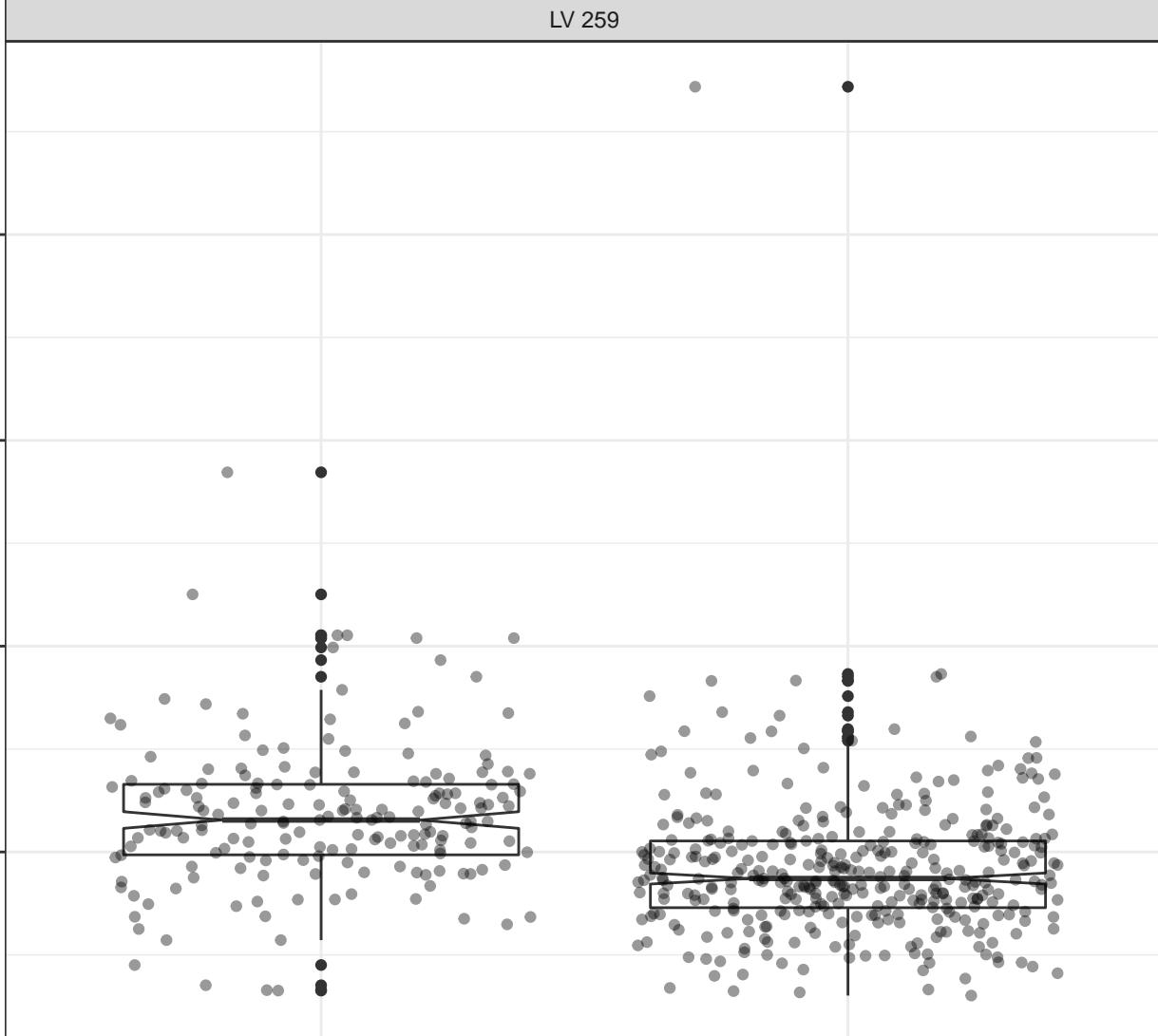
0.05

0.00

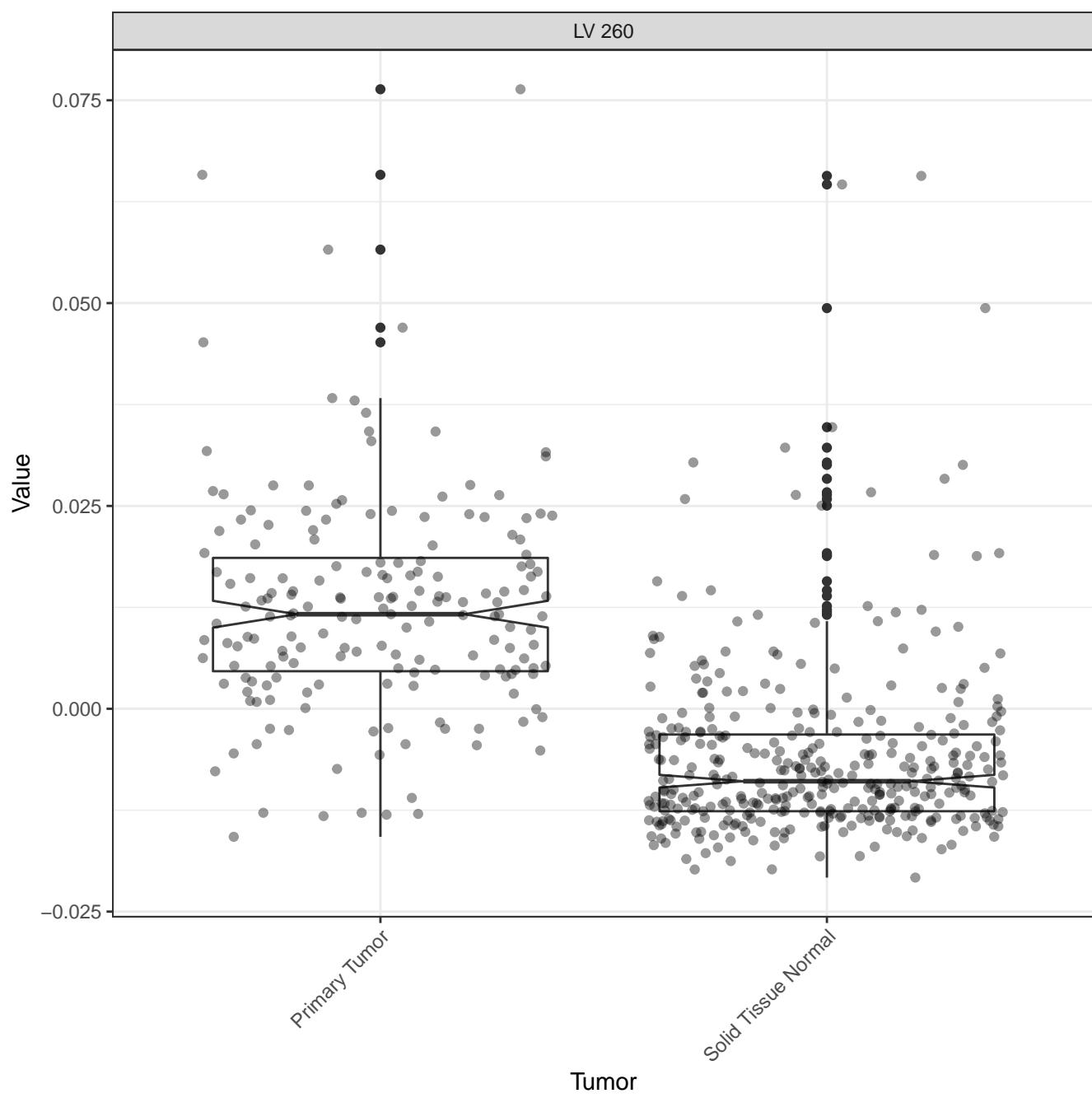
Primary Tumor

Solid Tissue Normal

Tumor



LV 260



Value

0.10

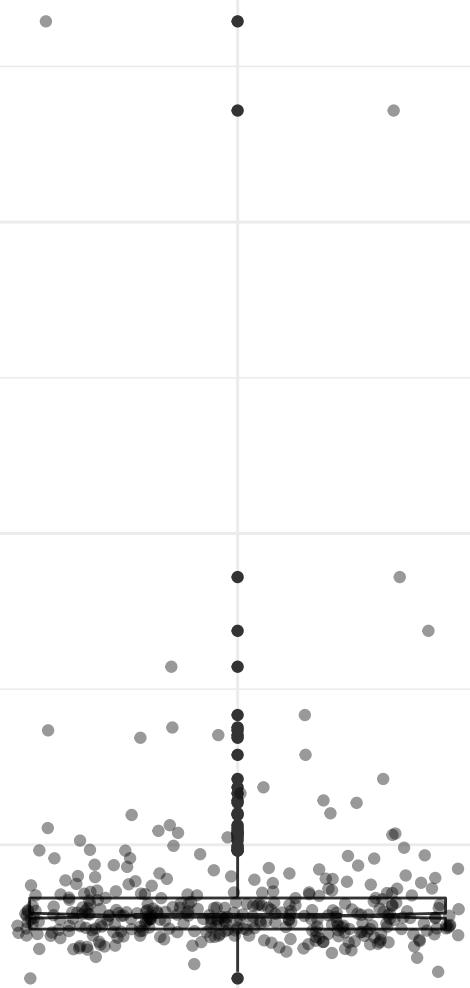
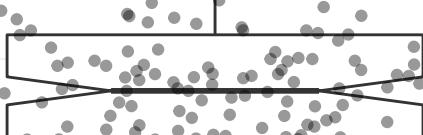
0.05

0.00

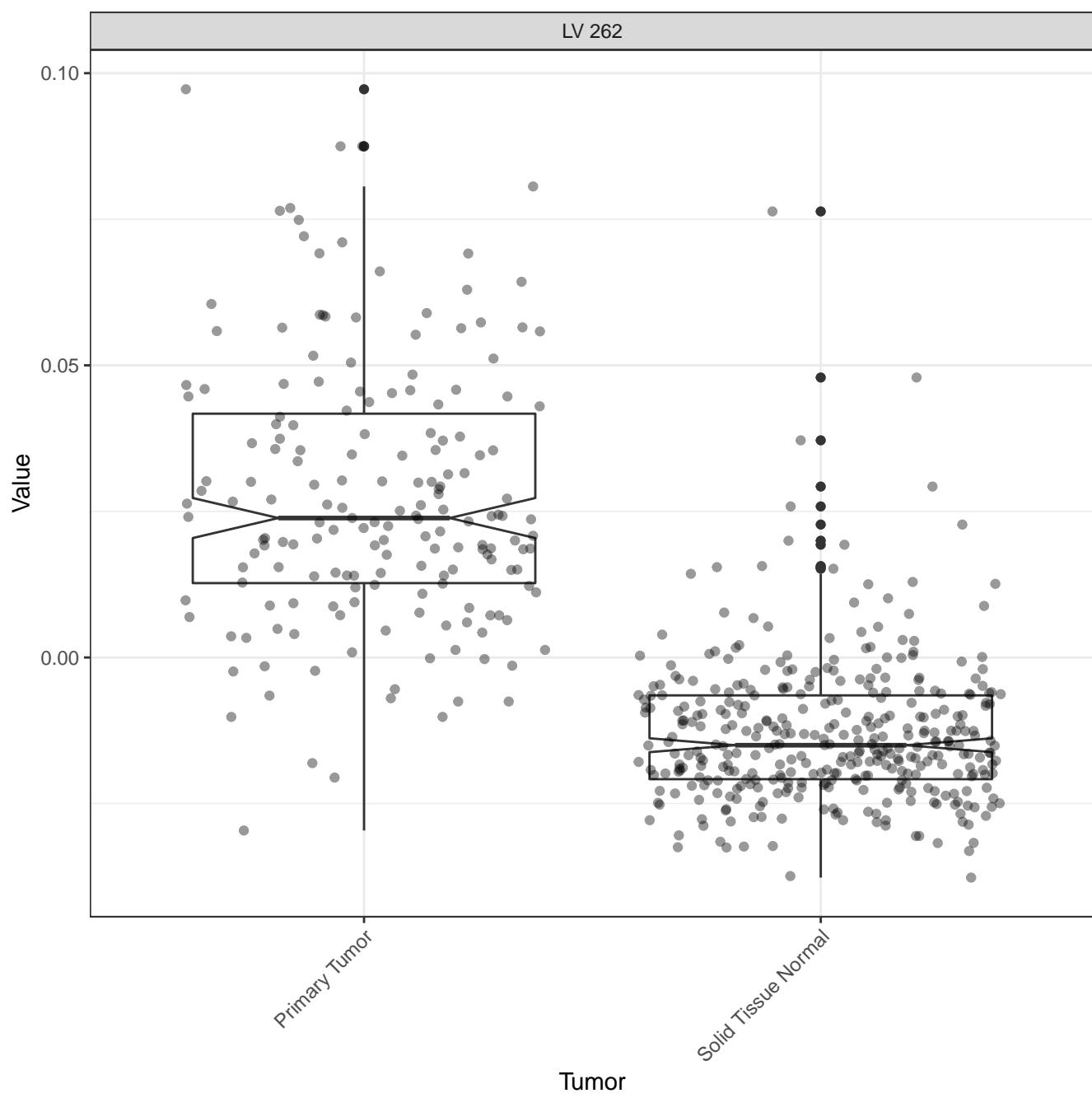
Primary Tumor

Solid Tissue Normal

Tumor

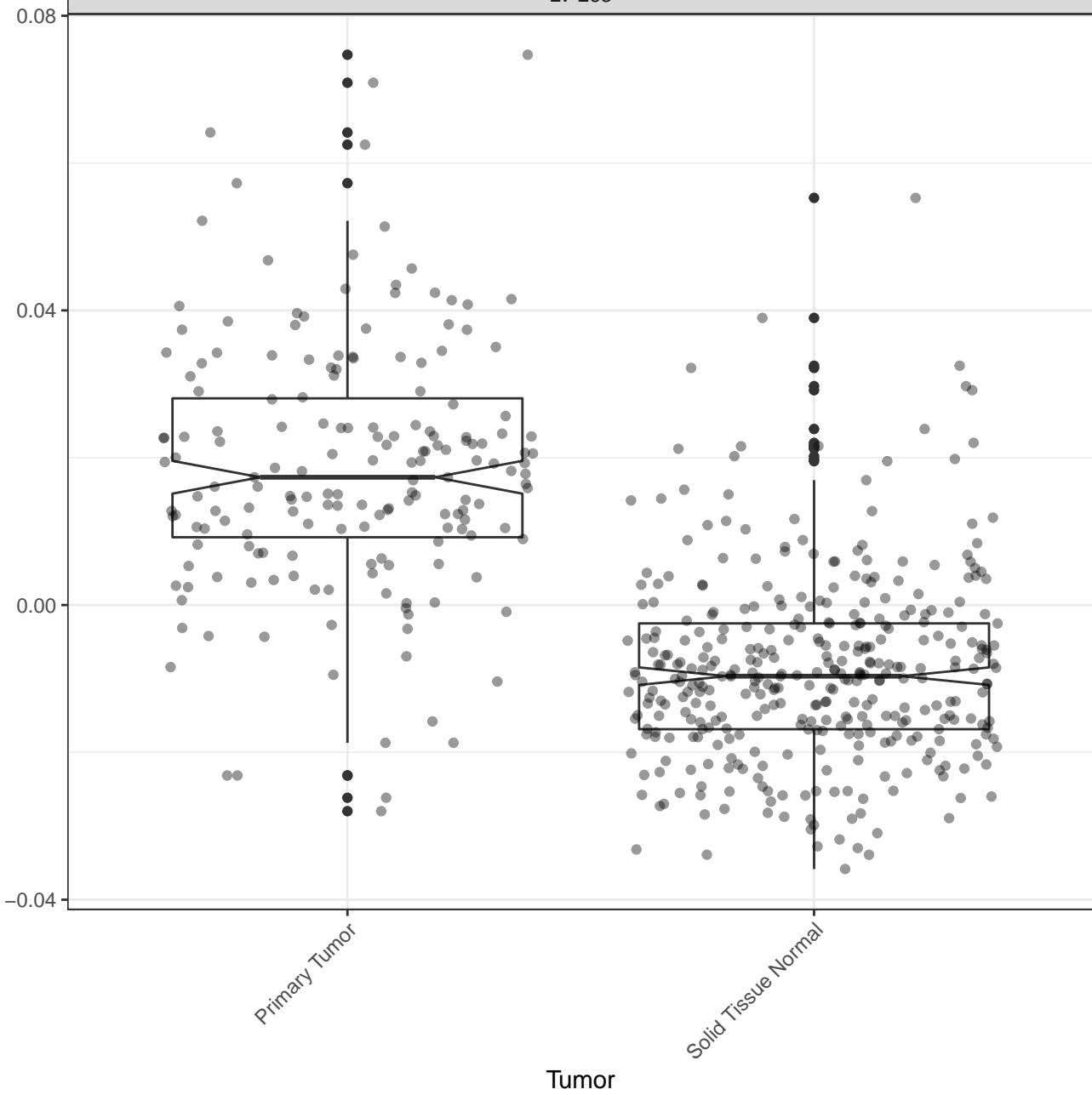


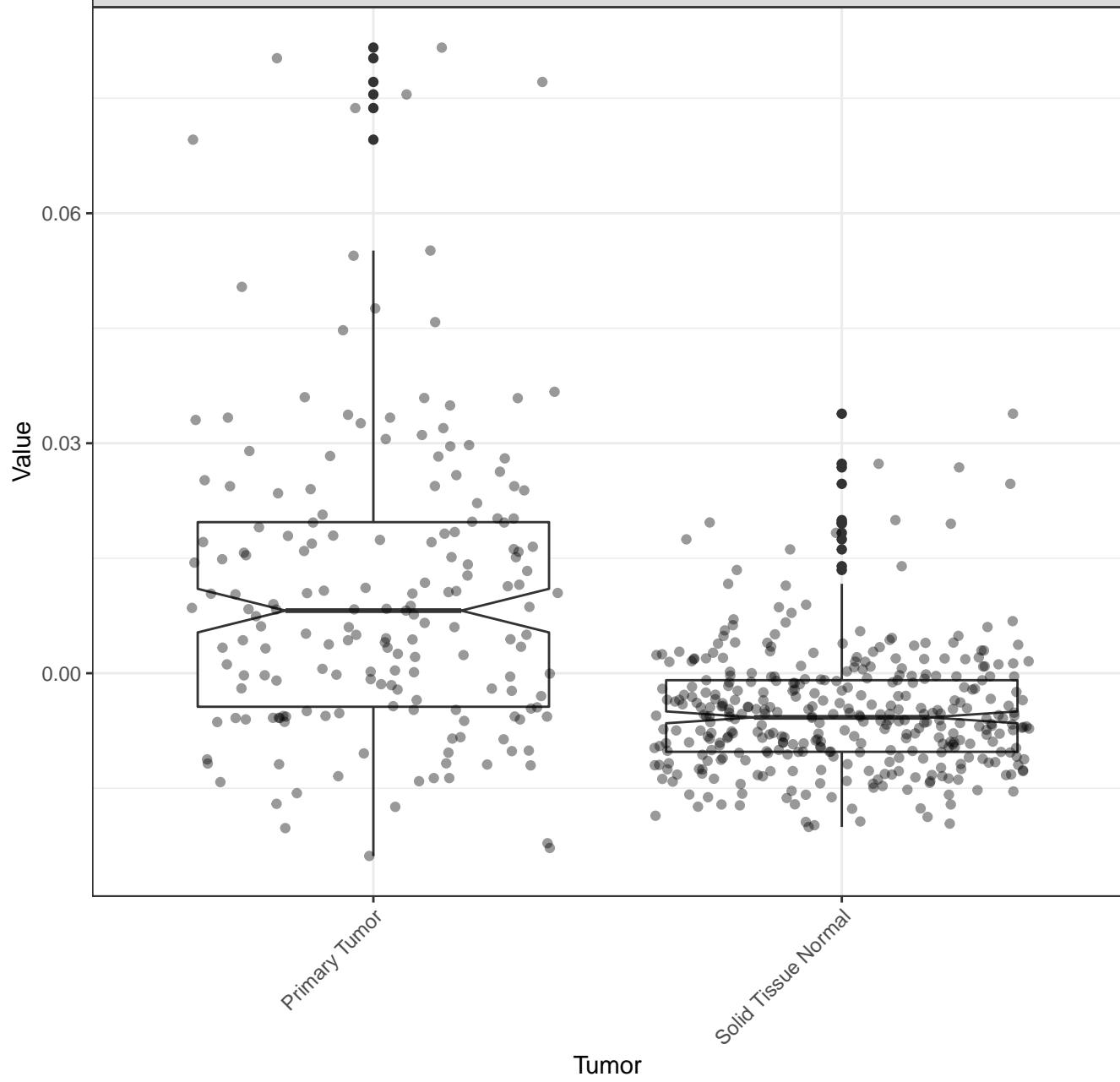
LV 262



LV 263

Value





Value

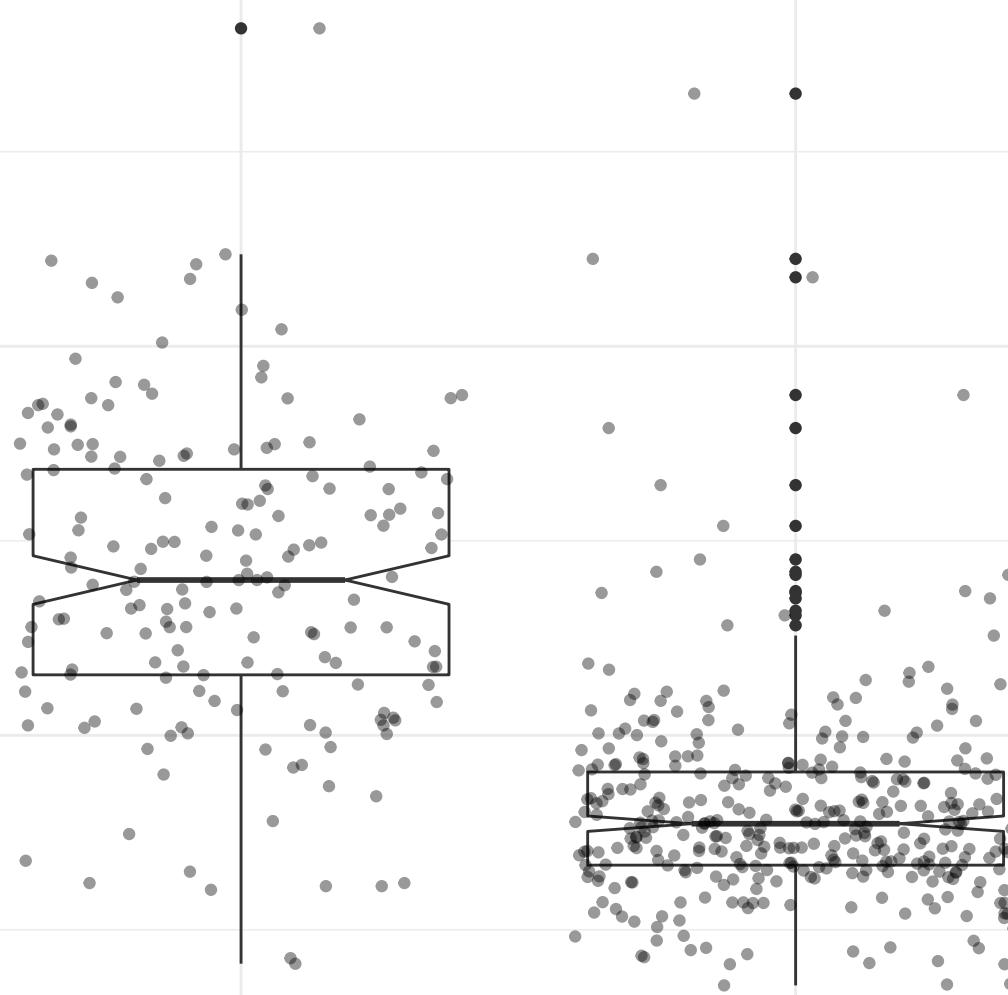
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



266,IRIS_Monocyte–Day1

Value

0.05

0.00

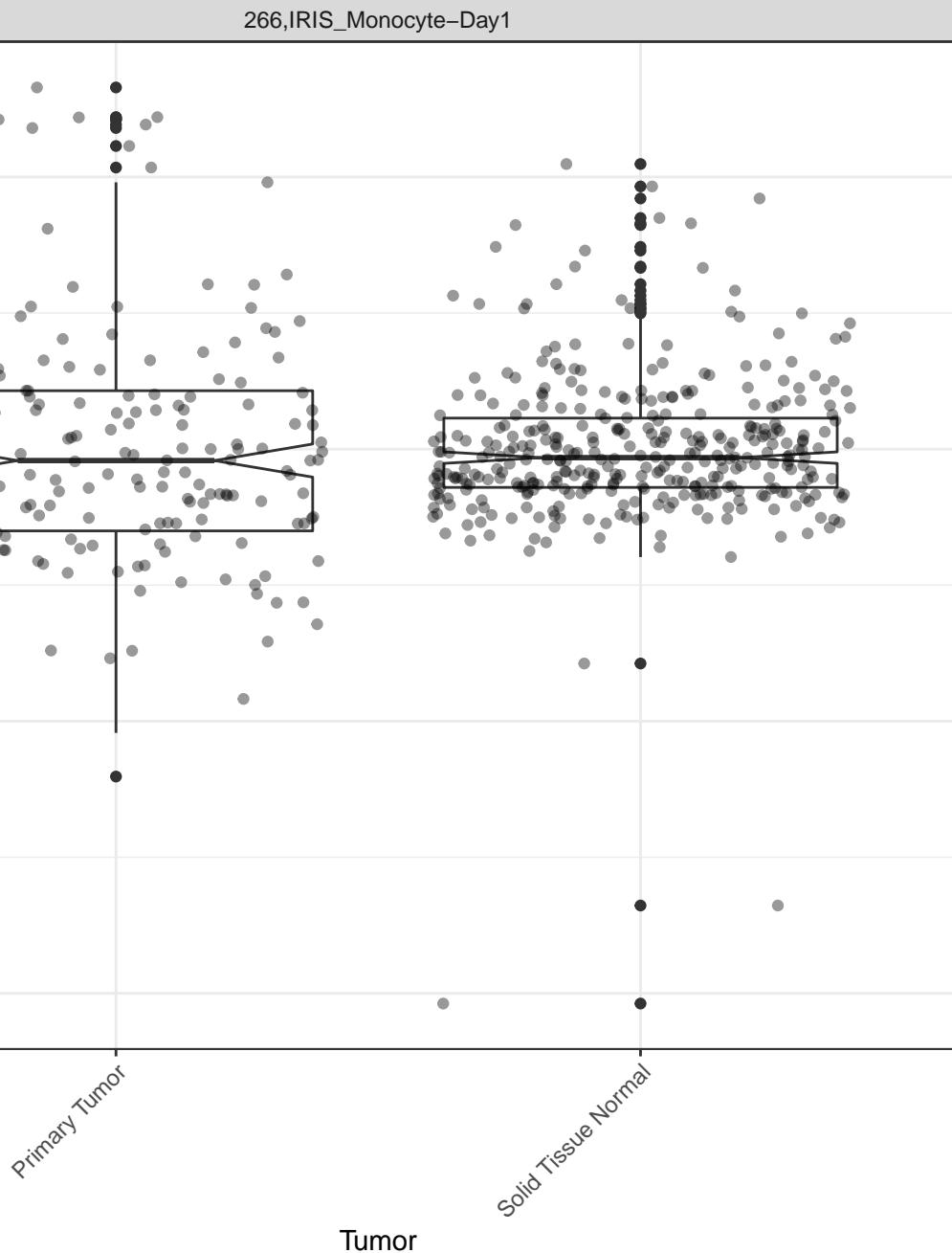
-0.05

-0.10

Primary Tumor

Solid Tissue Normal

Tumor



LV 267

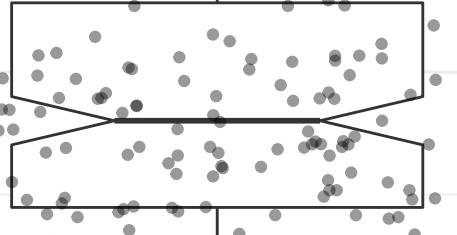
Value

0.09
0.06
0.03
0.00
-0.03

Primary Tumor

Solid Tissue Normal

Tumor



0.09
0.06
0.03
0.00
-0.03

Primary Tumor

Solid Tissue Normal

Tumor

0.09
0.06
0.03
0.00
-0.03

Primary Tumor

Solid Tissue Normal

Tumor

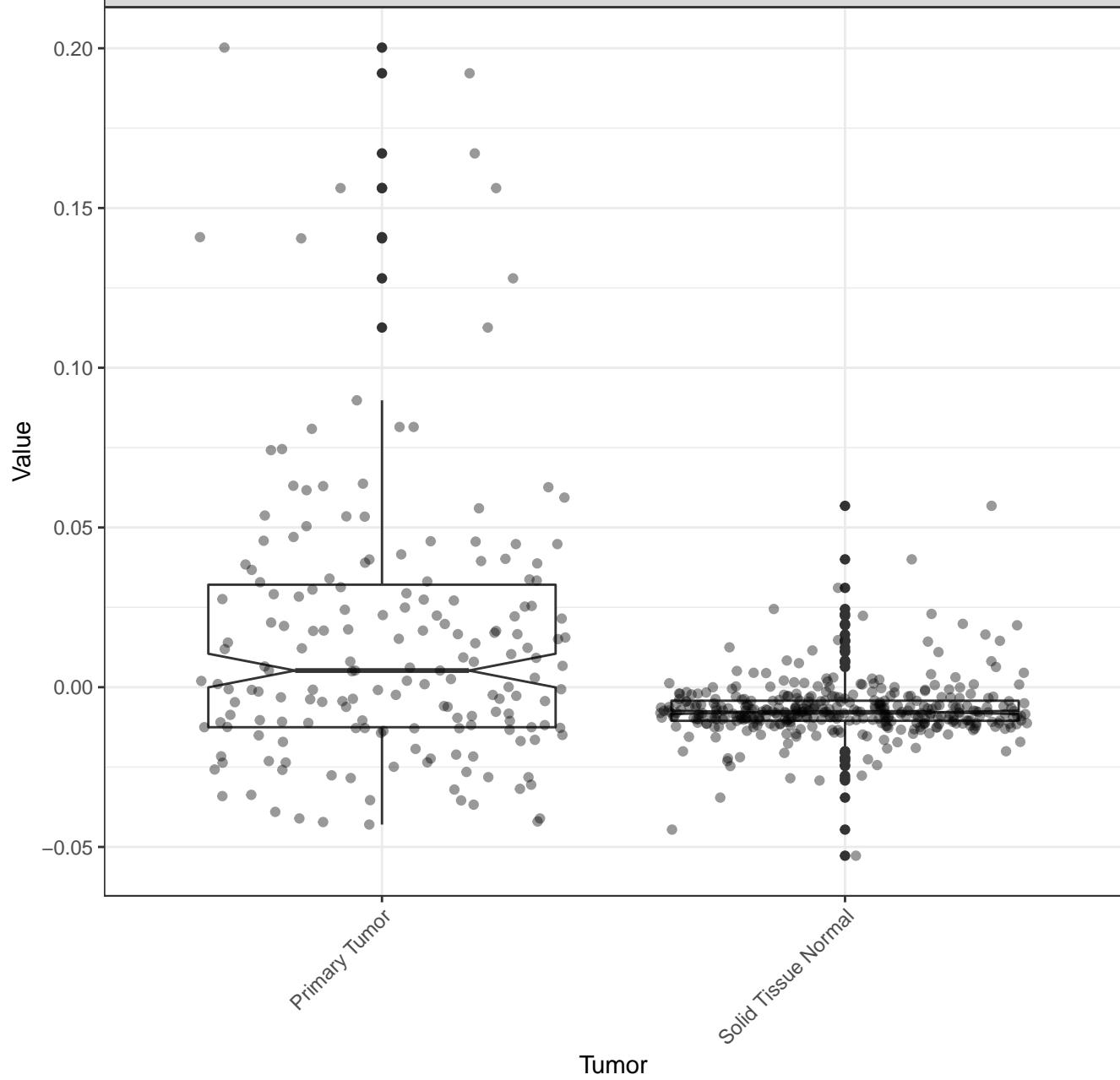
0.09
0.06
0.03
0.00
-0.03

Primary Tumor

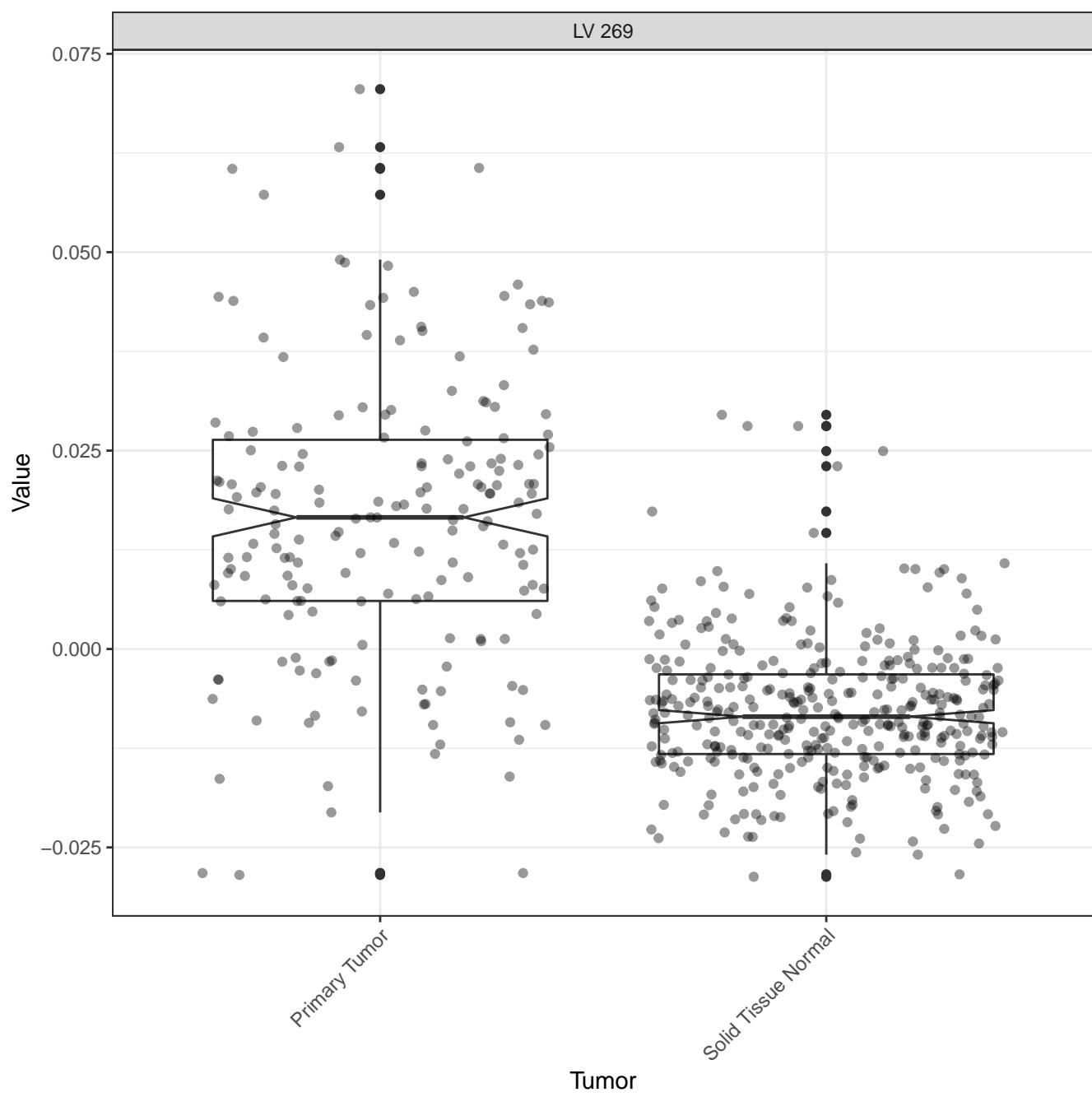
Solid Tissue Normal

Tumor

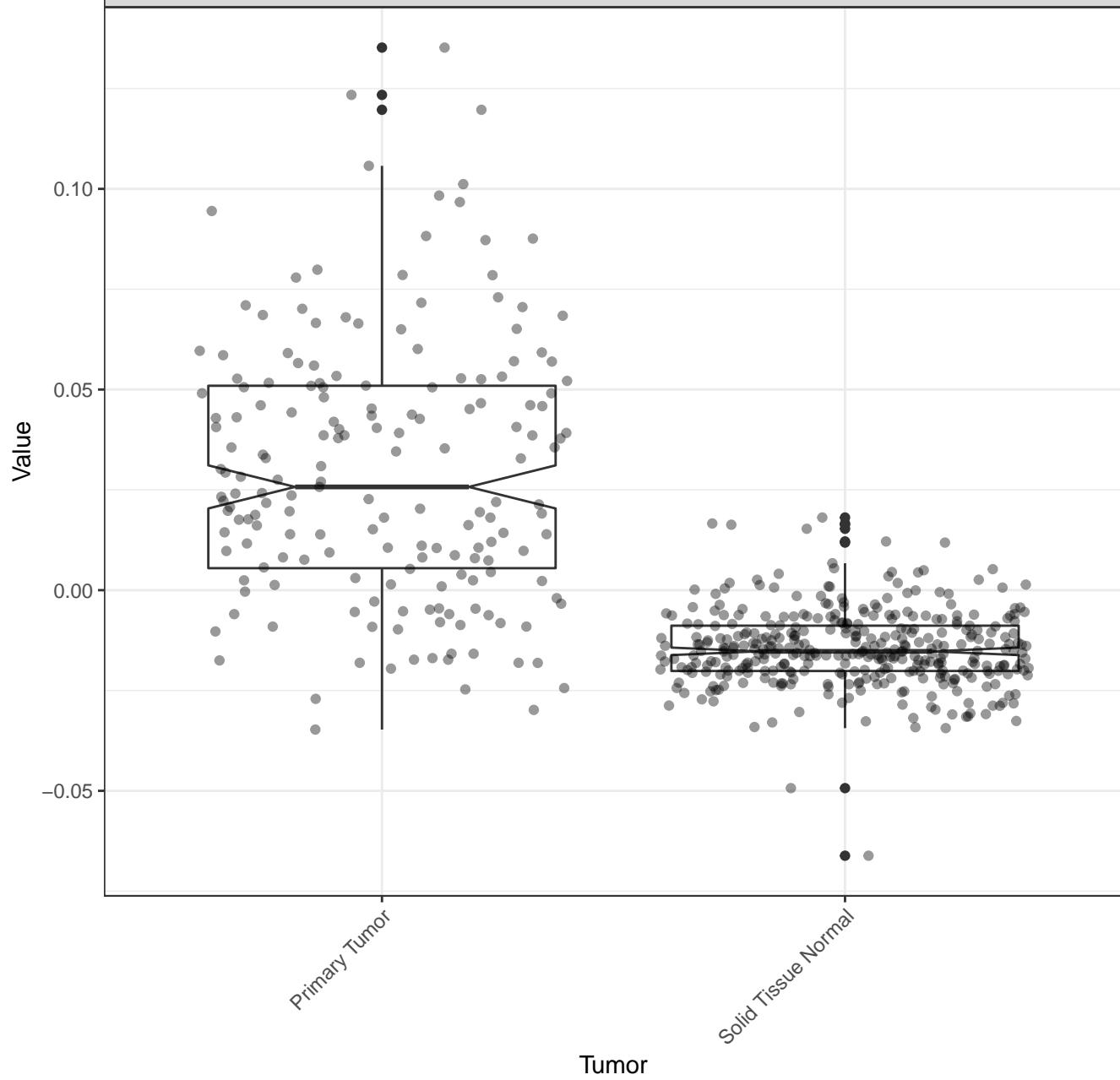
268,SVM Mast cells activated



LV 269



270,KEGG_CELL_CYCLE



271,SVM B cells memory

Value

0.6

0.4

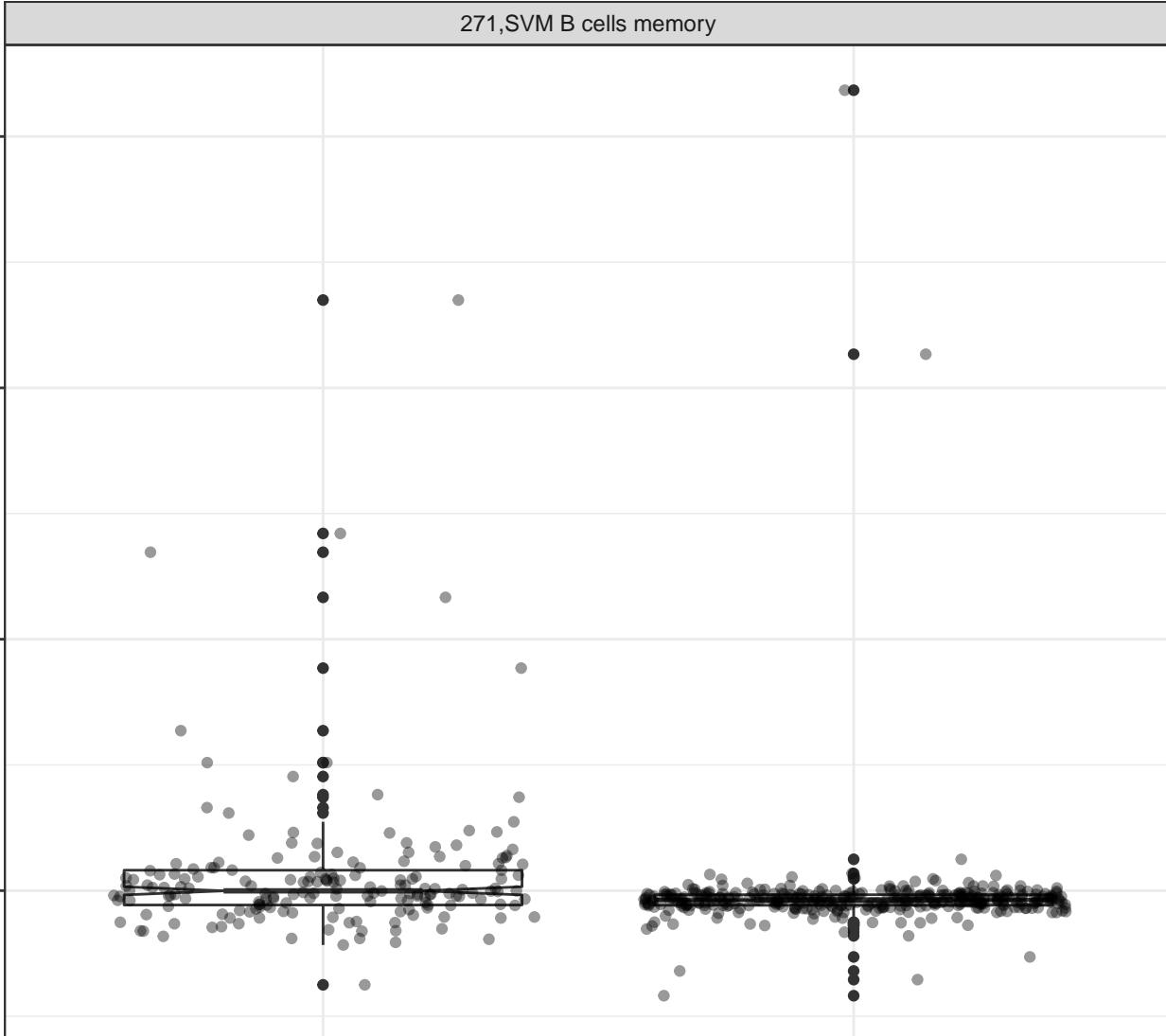
0.2

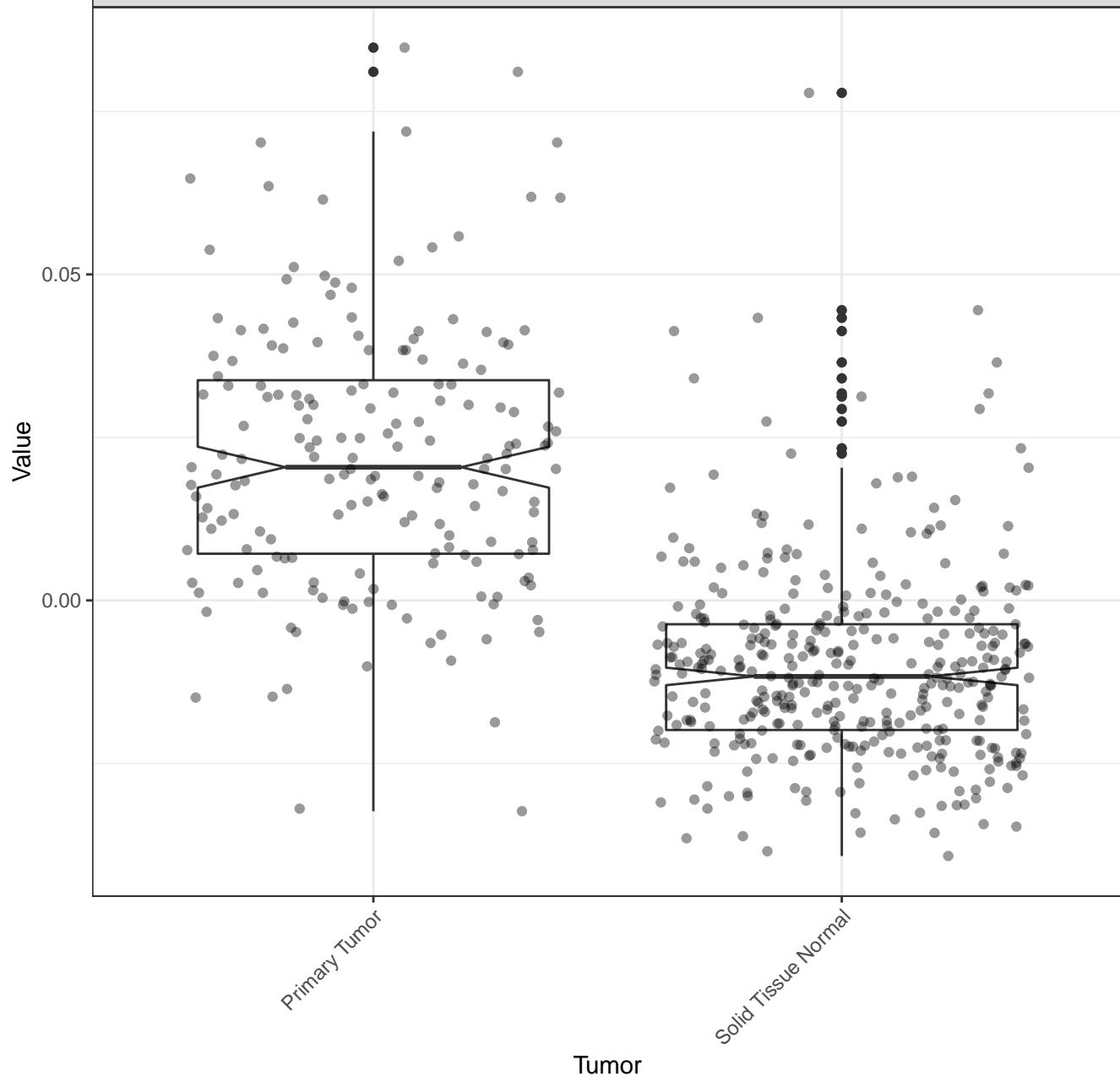
0.0

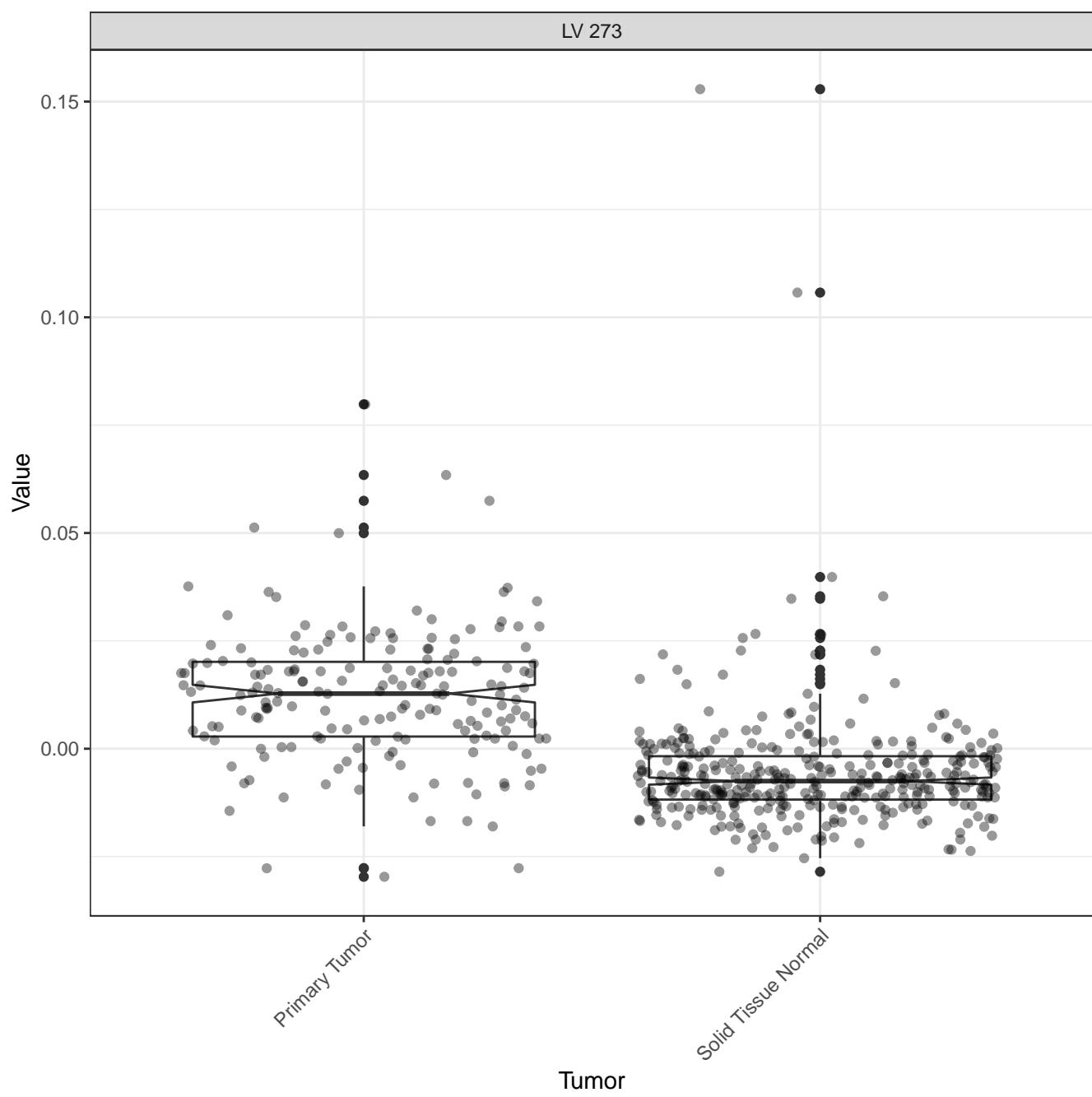
Primary Tumor

Solid Tissue Normal

Tumor







LV 274

Value

0.10

0.05

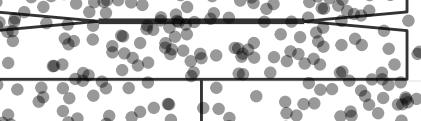
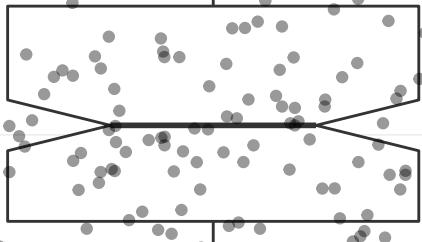
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



275,REACTOME_METABOLISM_OF_PROTEINS

Value

0.10

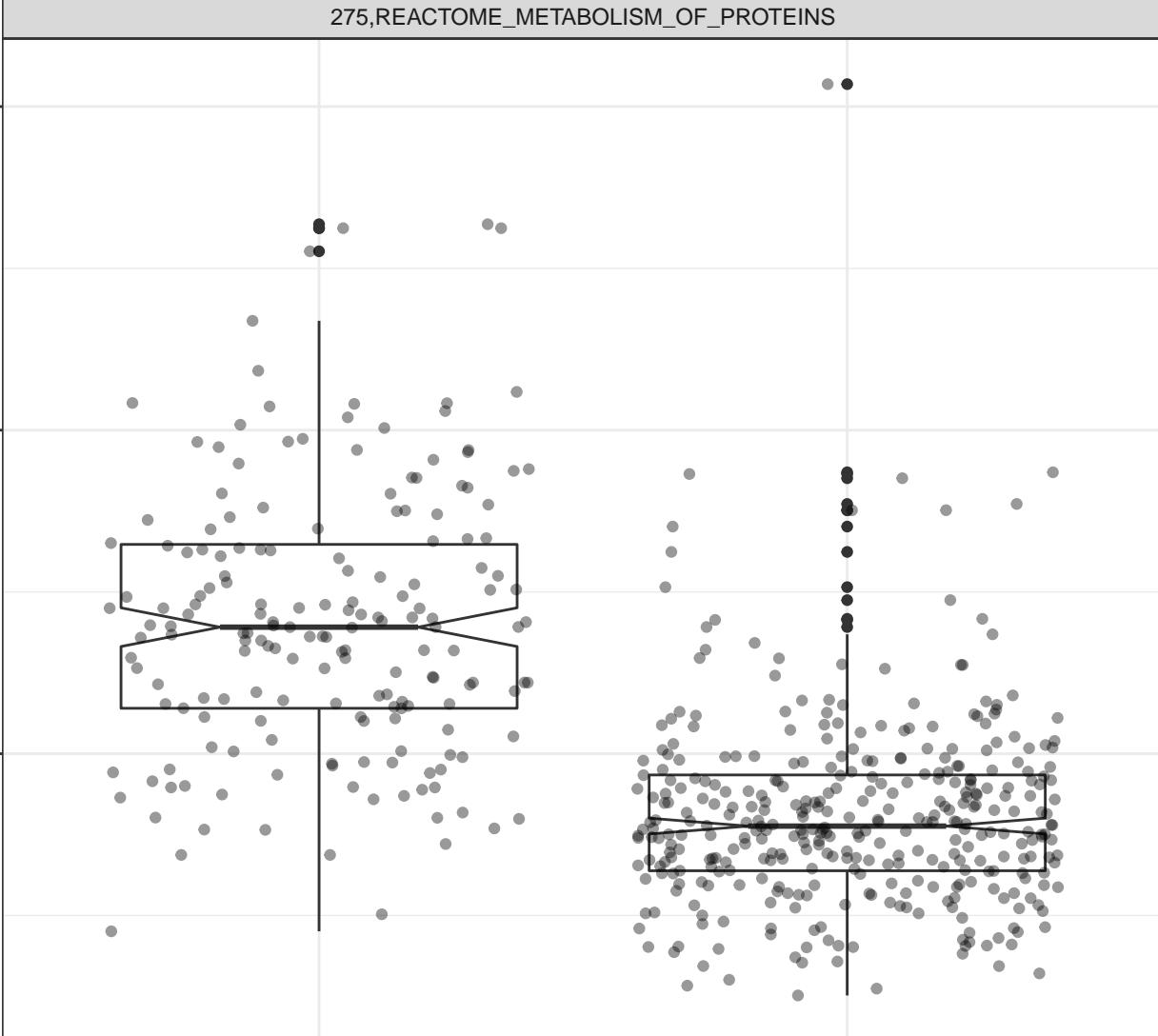
0.05

0.00

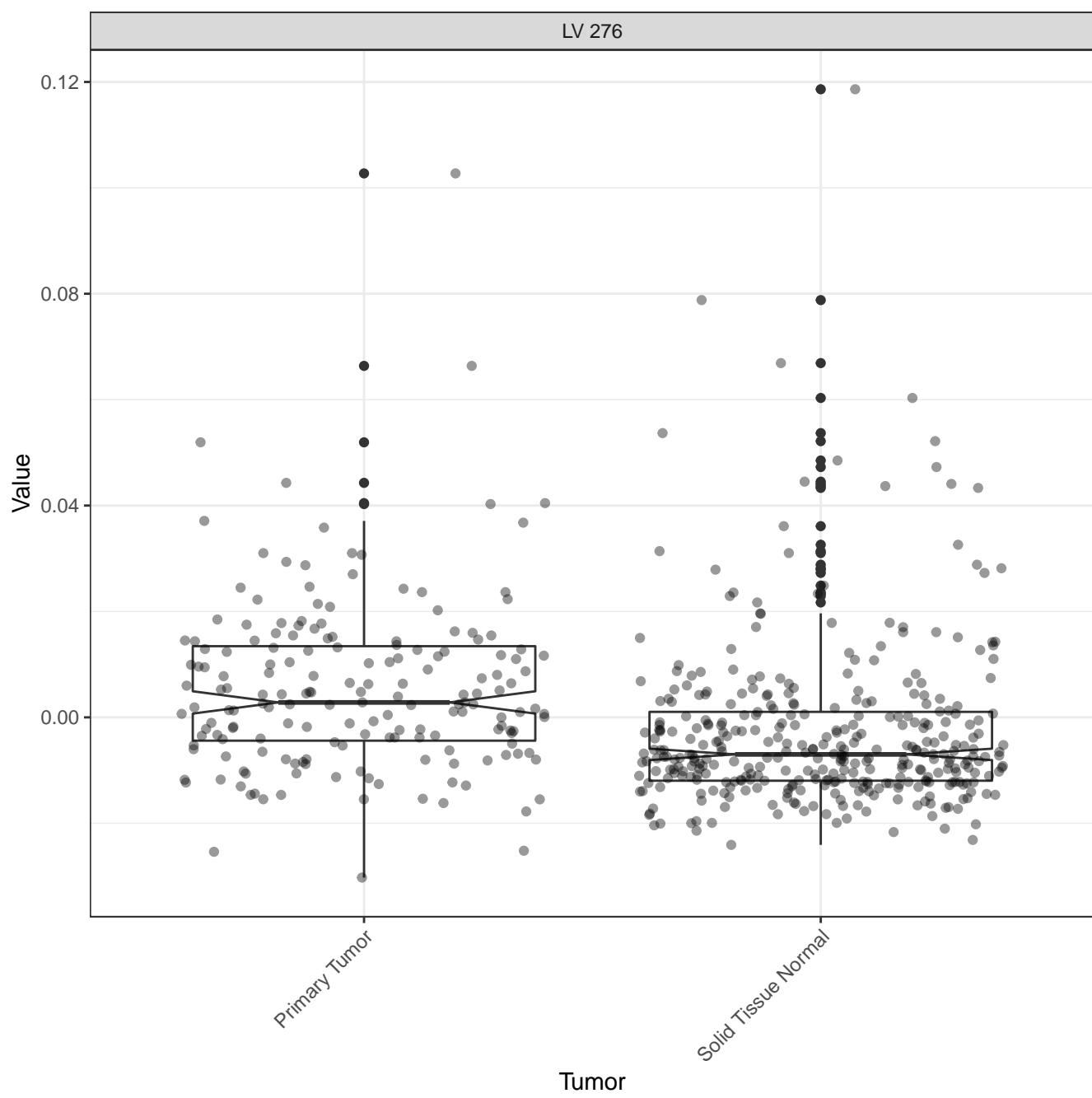
Primary Tumor

Tumor

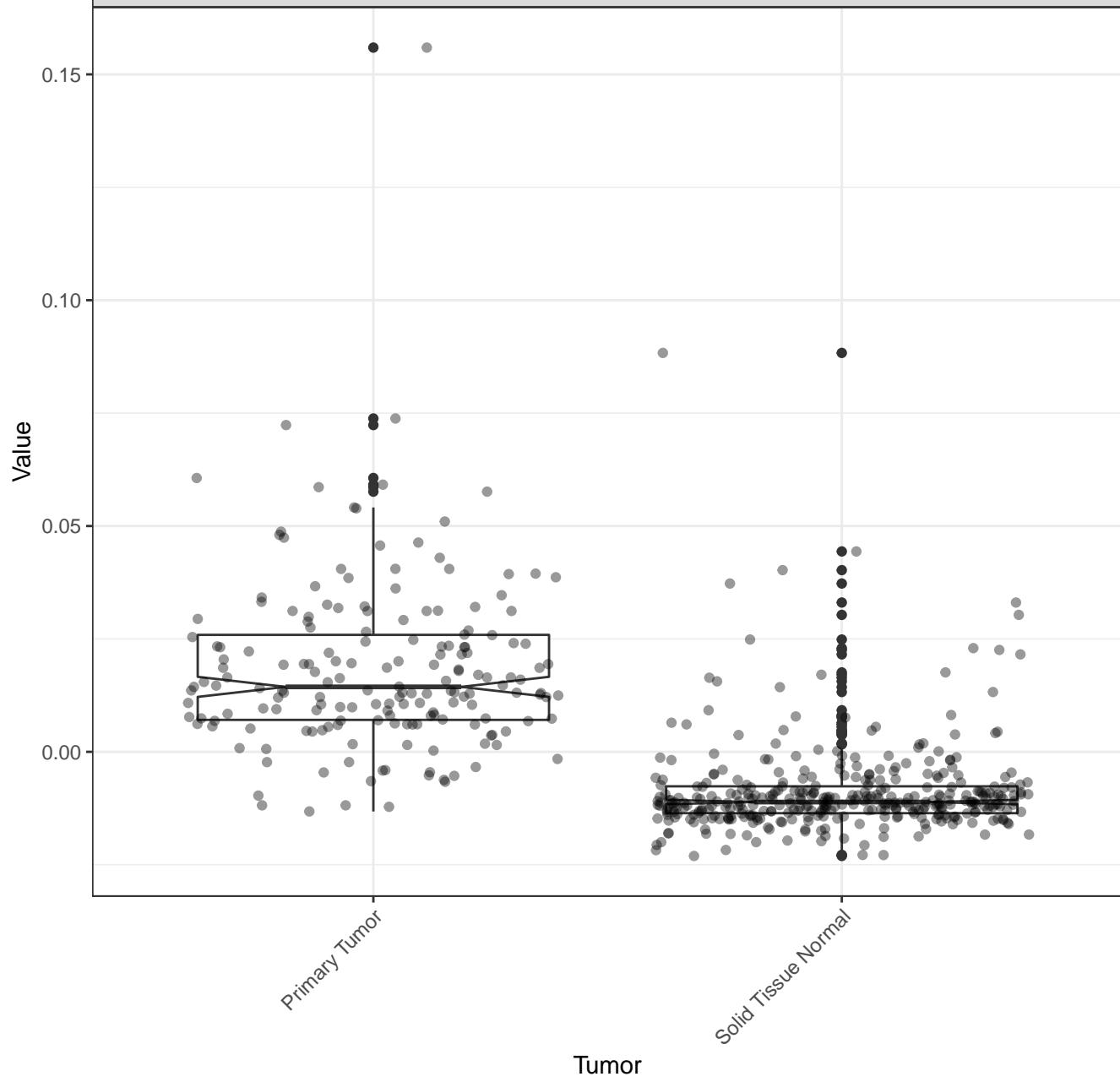
Solid Tissue Normal



LV 276



277,PID_IL4_2PATHWAY



278,REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT

Value

0.3

0.2

0.1

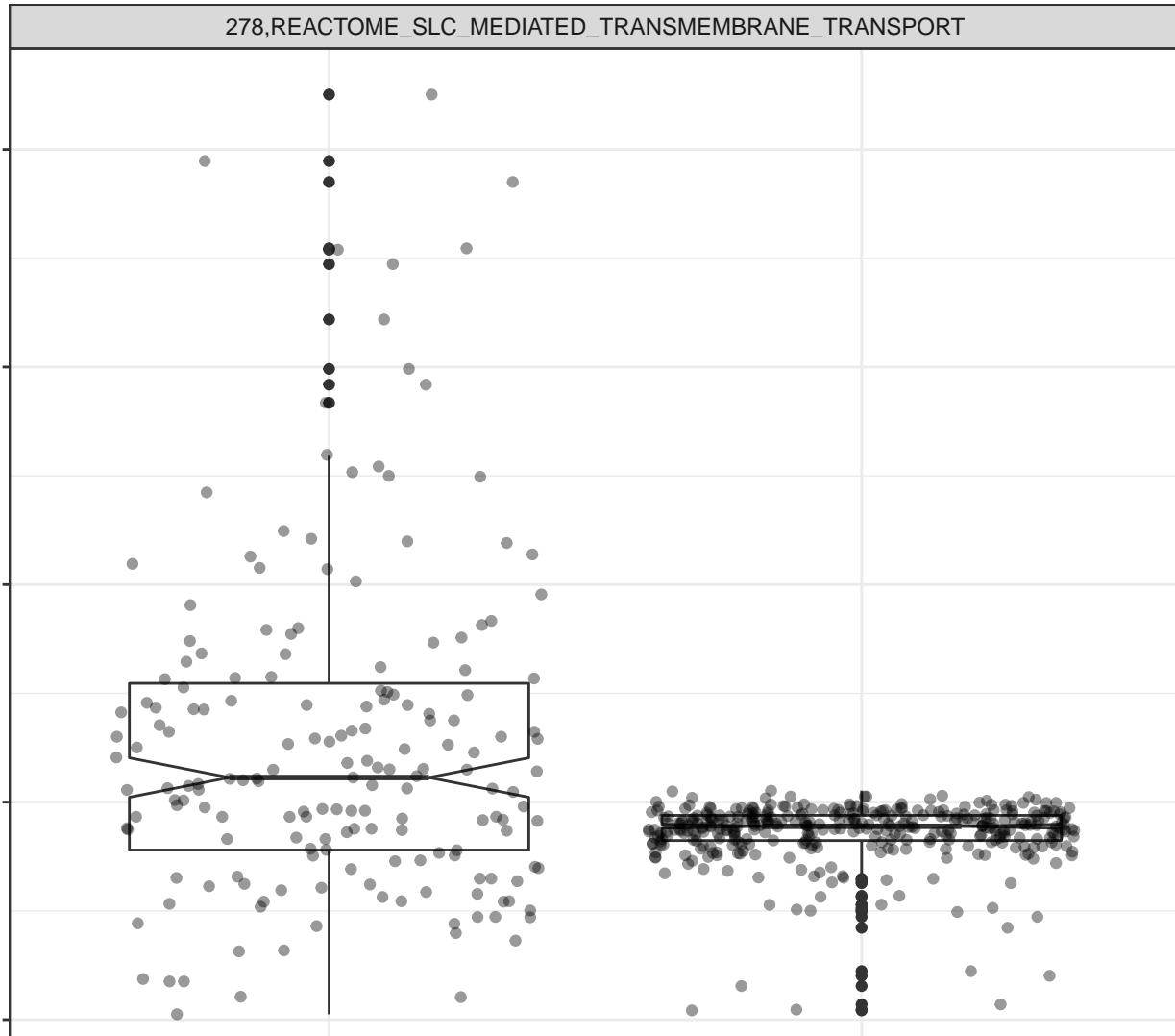
0.0

-0.1

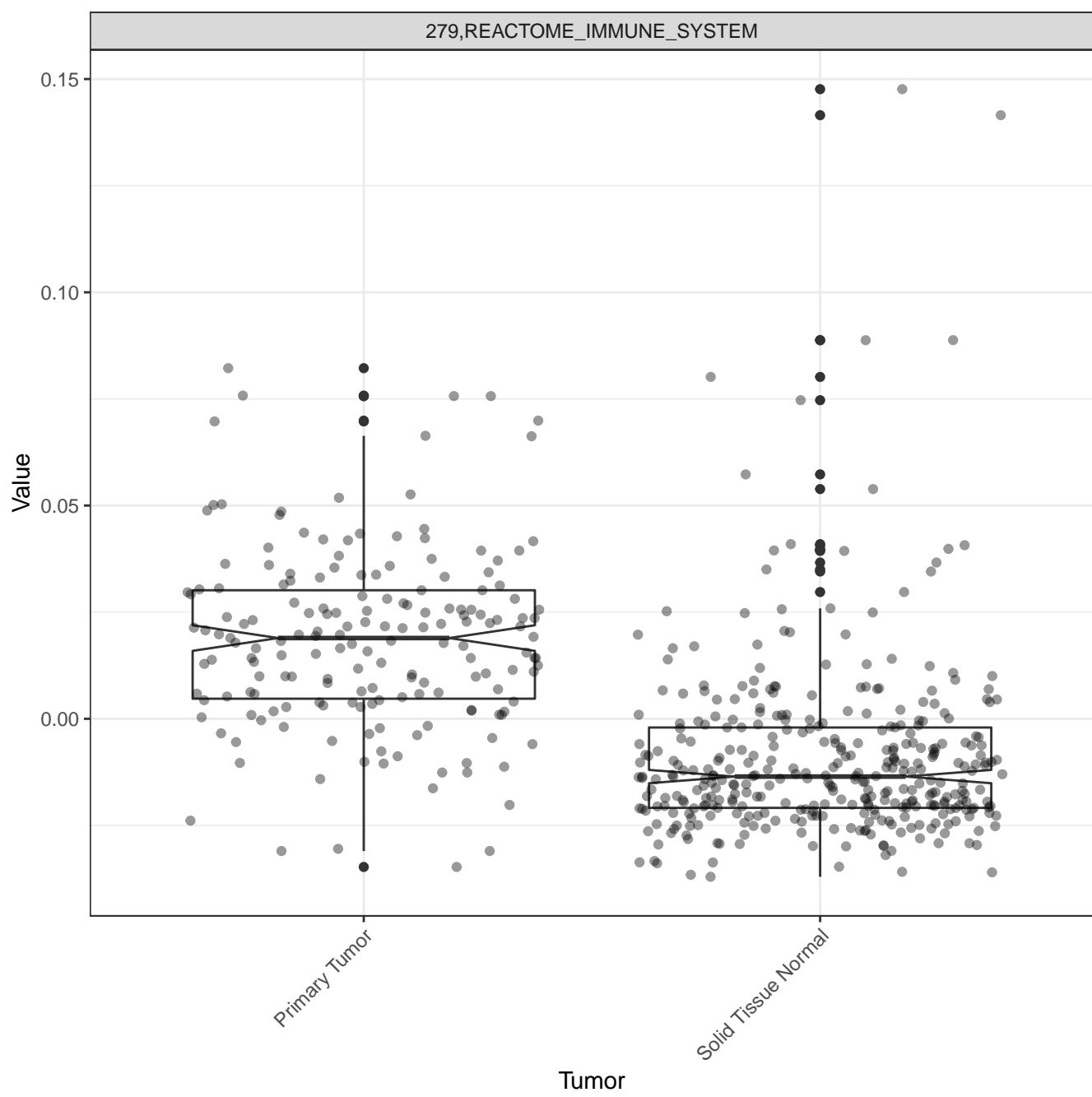
Primary Tumor

Tumor

Solid Tissue Normal



279,REACTOME_IMMUNE_SYSTEM



Value

0.10

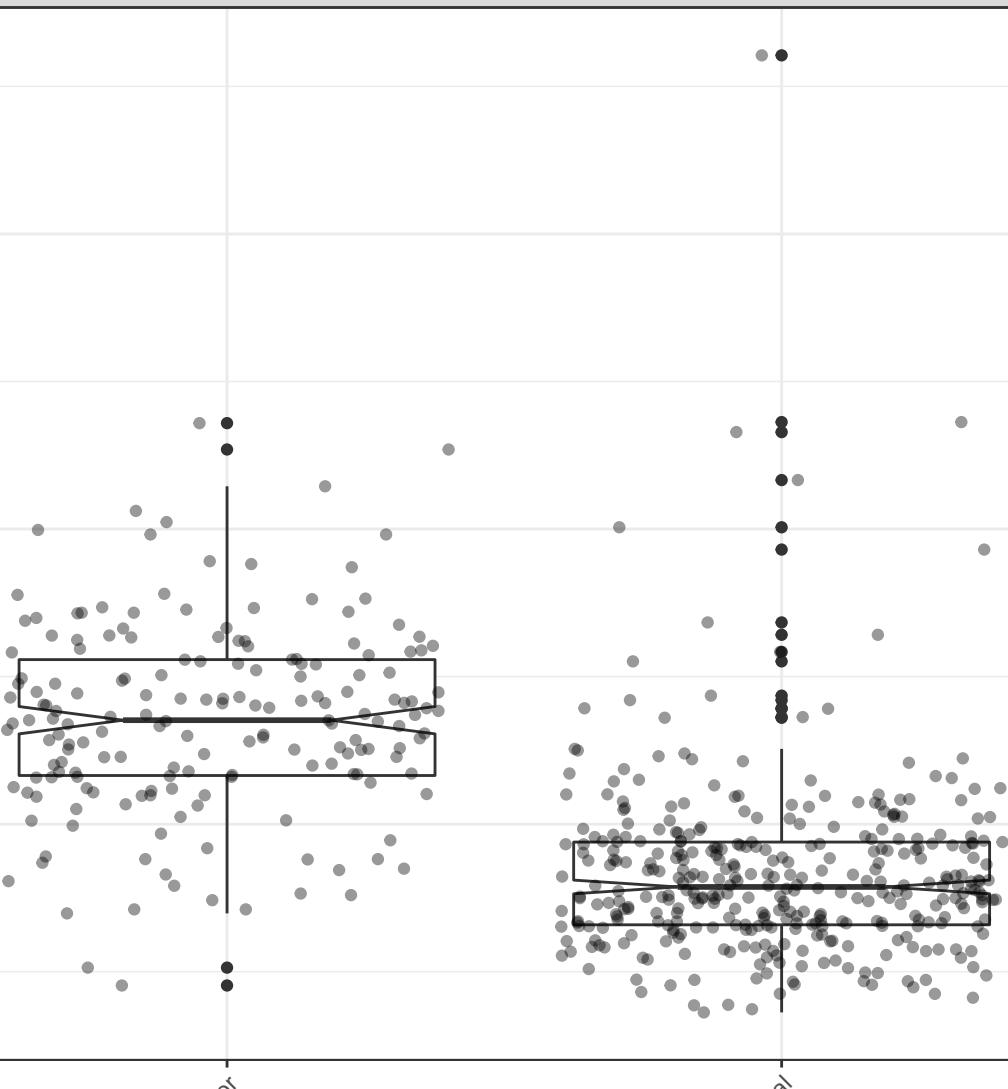
0.05

0.00

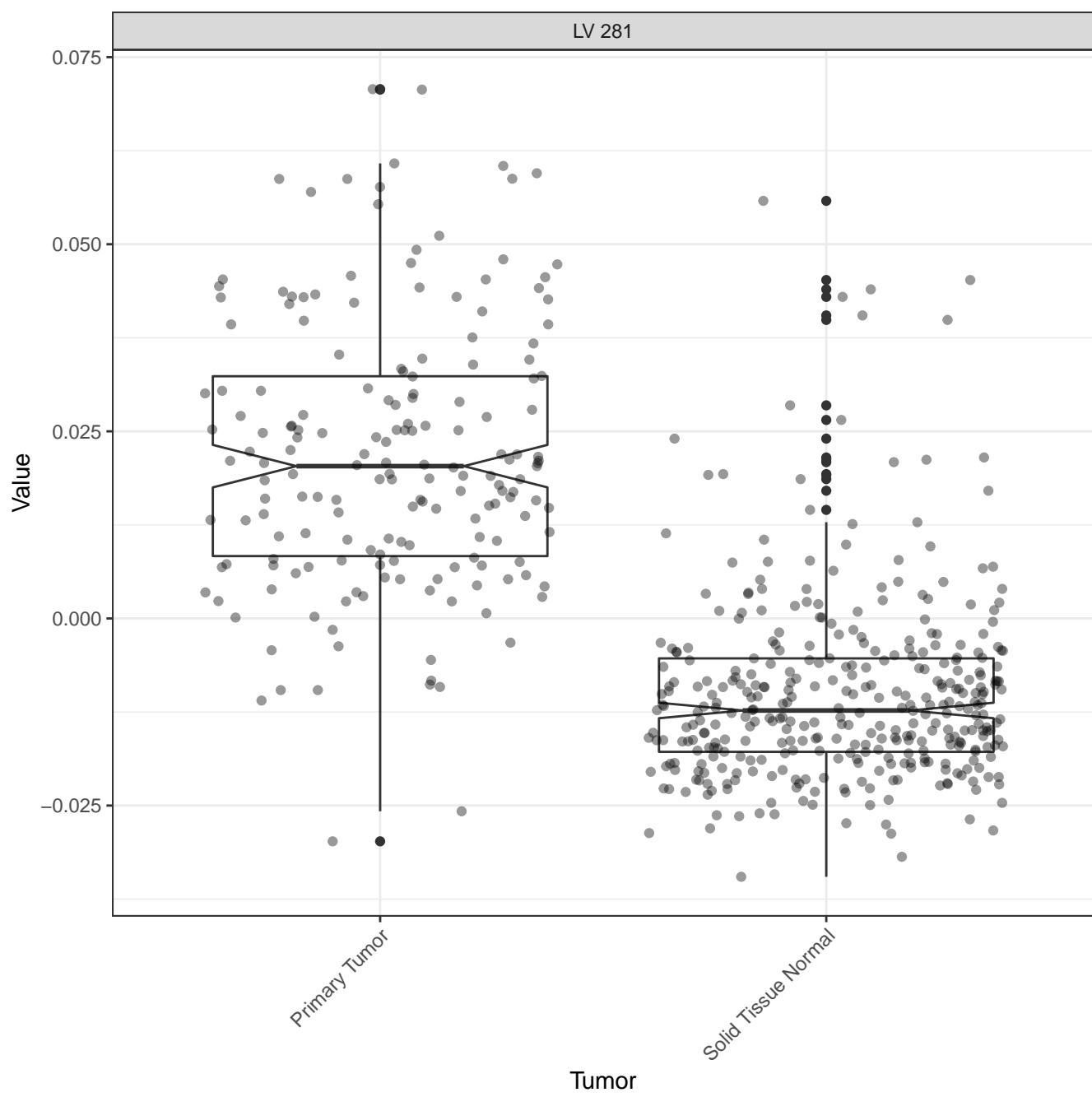
Primary Tumor

Solid Tissue Normal

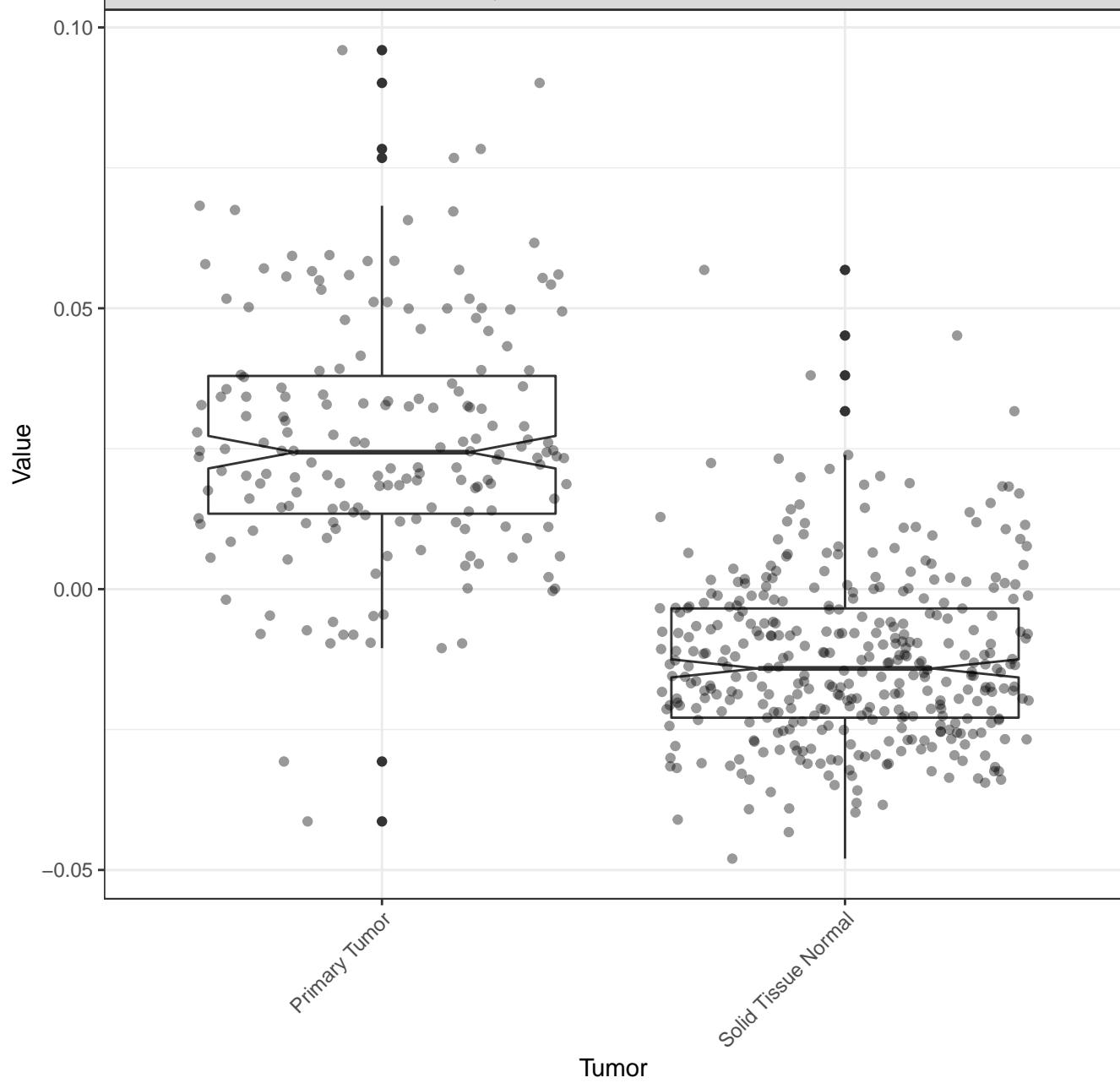
Tumor



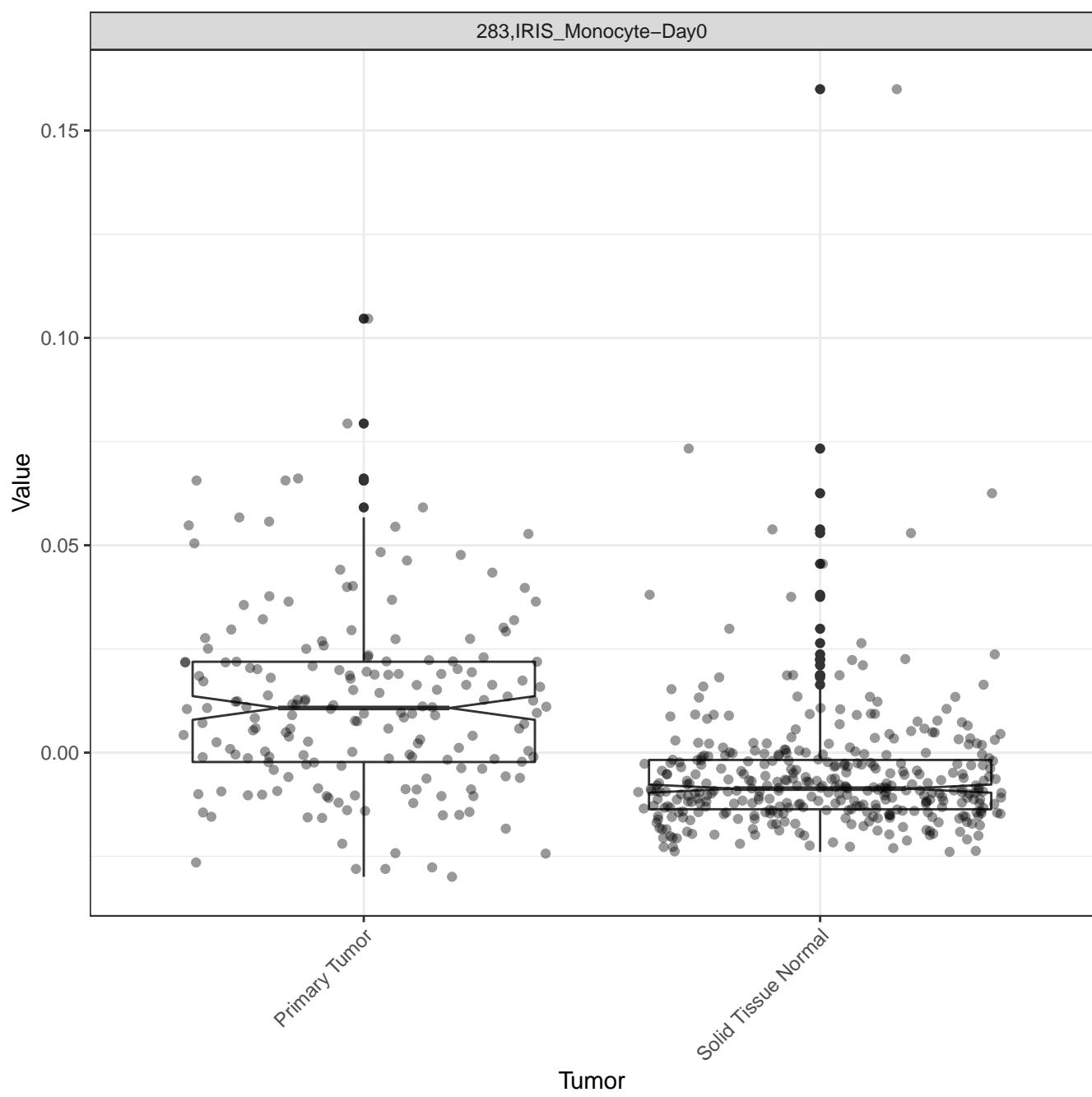
LV 281



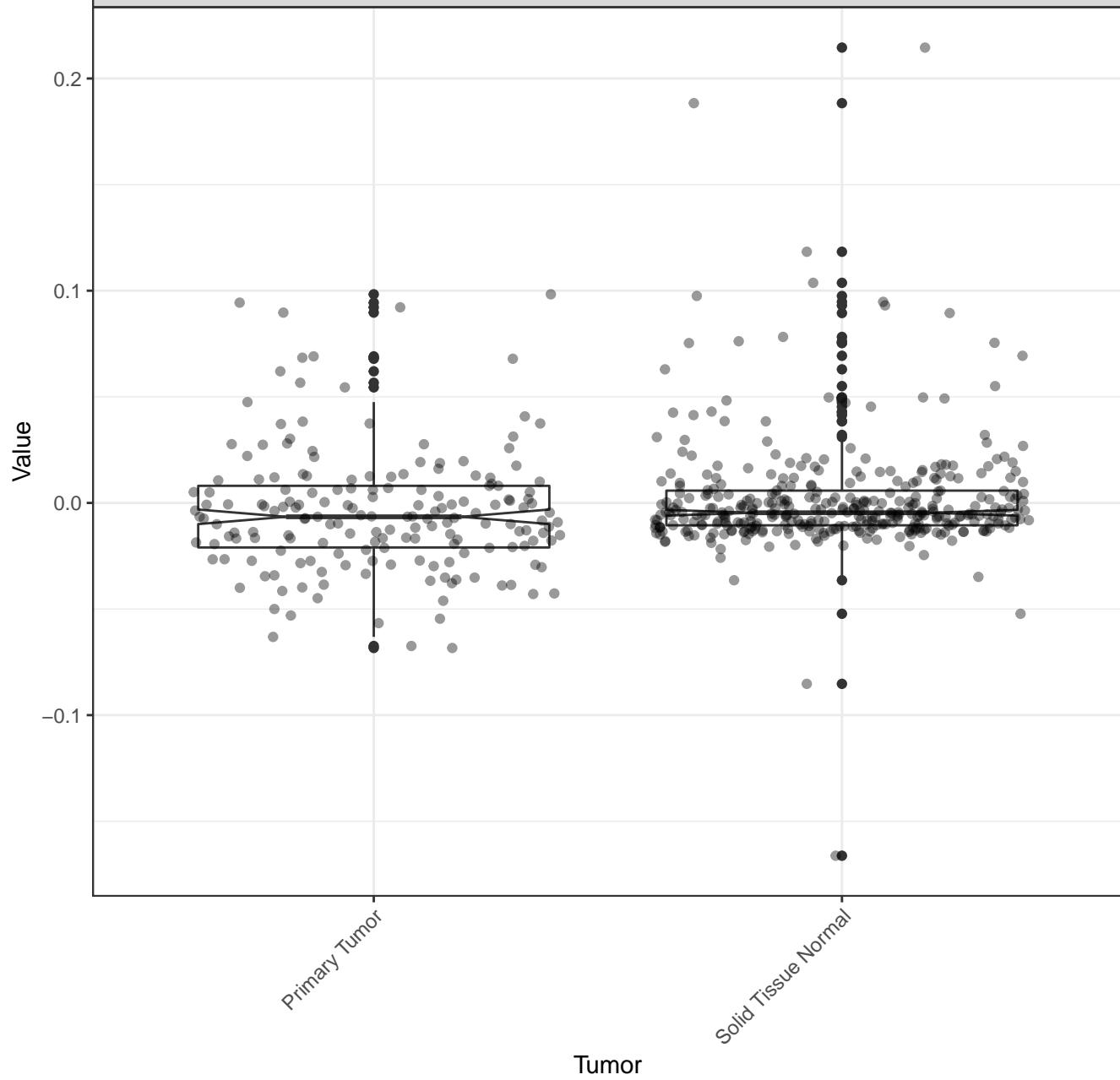
282,KEGG_RNA_DEGRADATION



283,IRIS_Monocyte-Day0



284,KEGG_ECM_RECECTOR_INTERACTION



Value

0.10

0.05

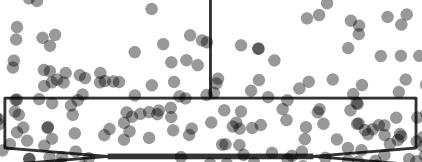
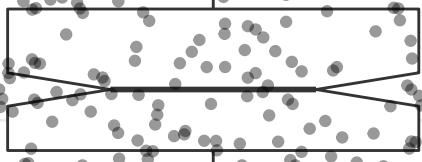
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



LV 286

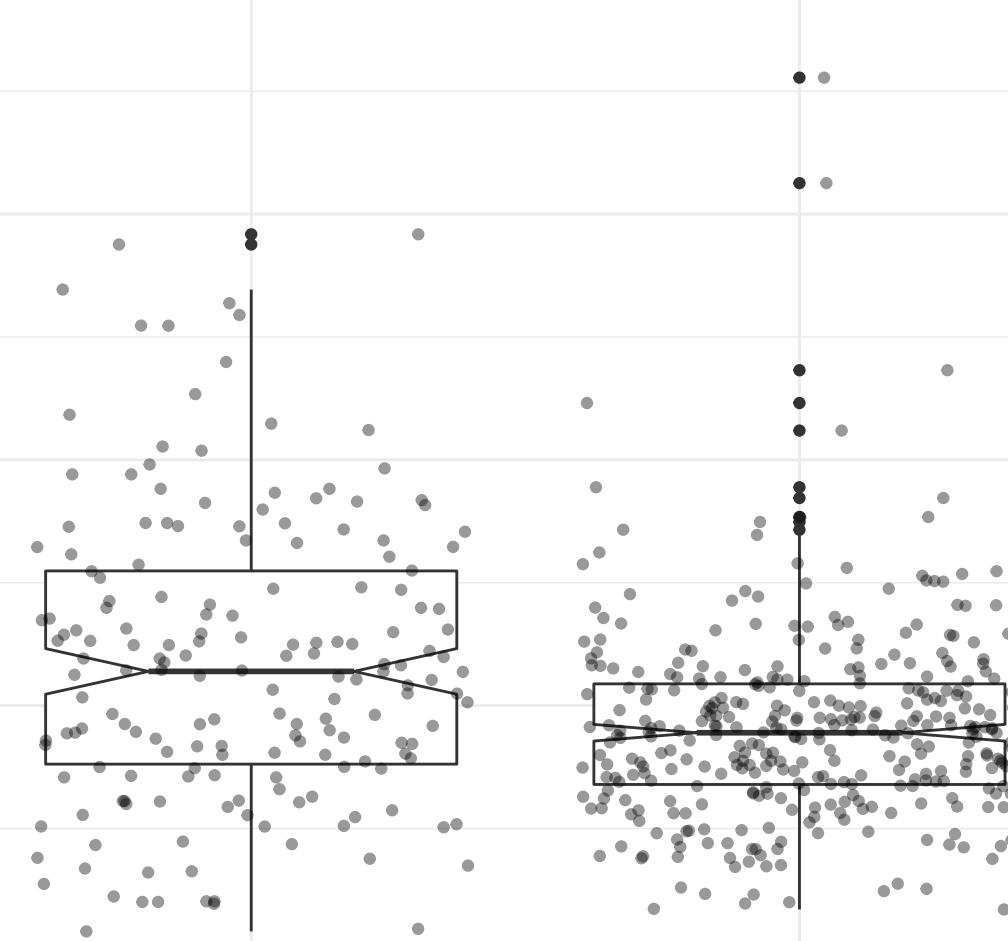
Value

0.09
0.06
0.03
0.00
-0.03

Primary Tumor

Solid Tissue Normal

Tumor



287,REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES

Value

0.2

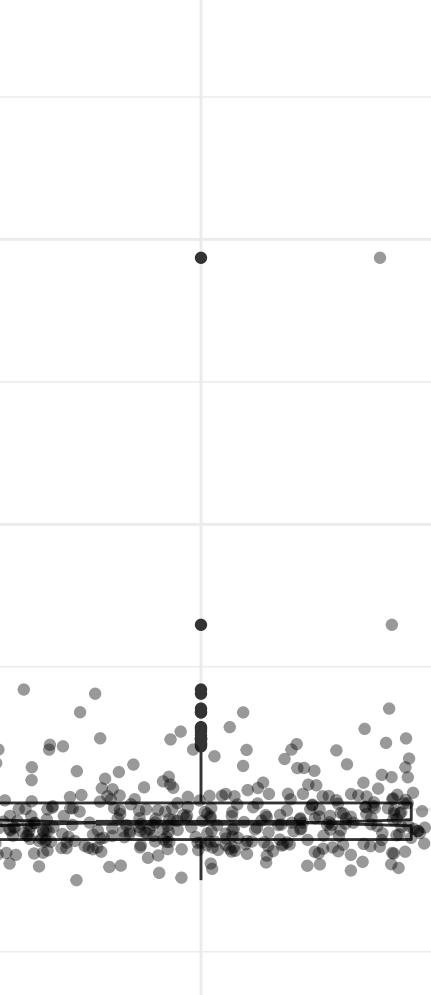
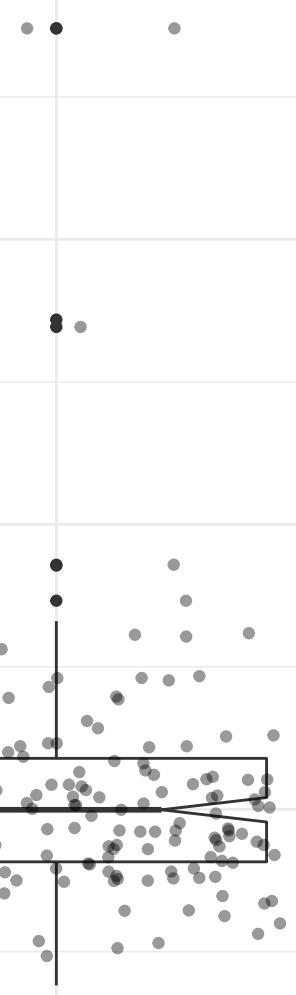
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.10

0.05

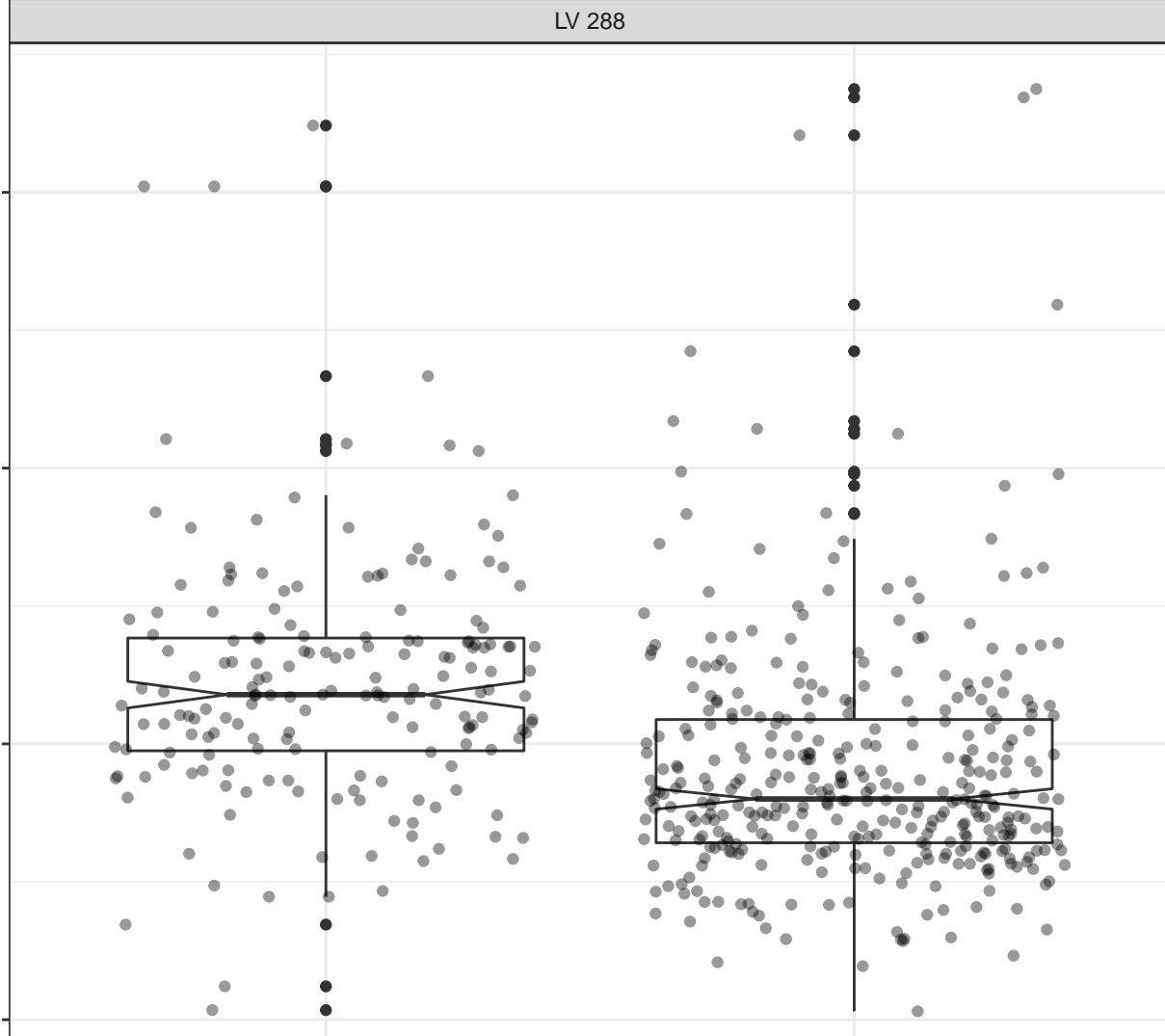
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



Value

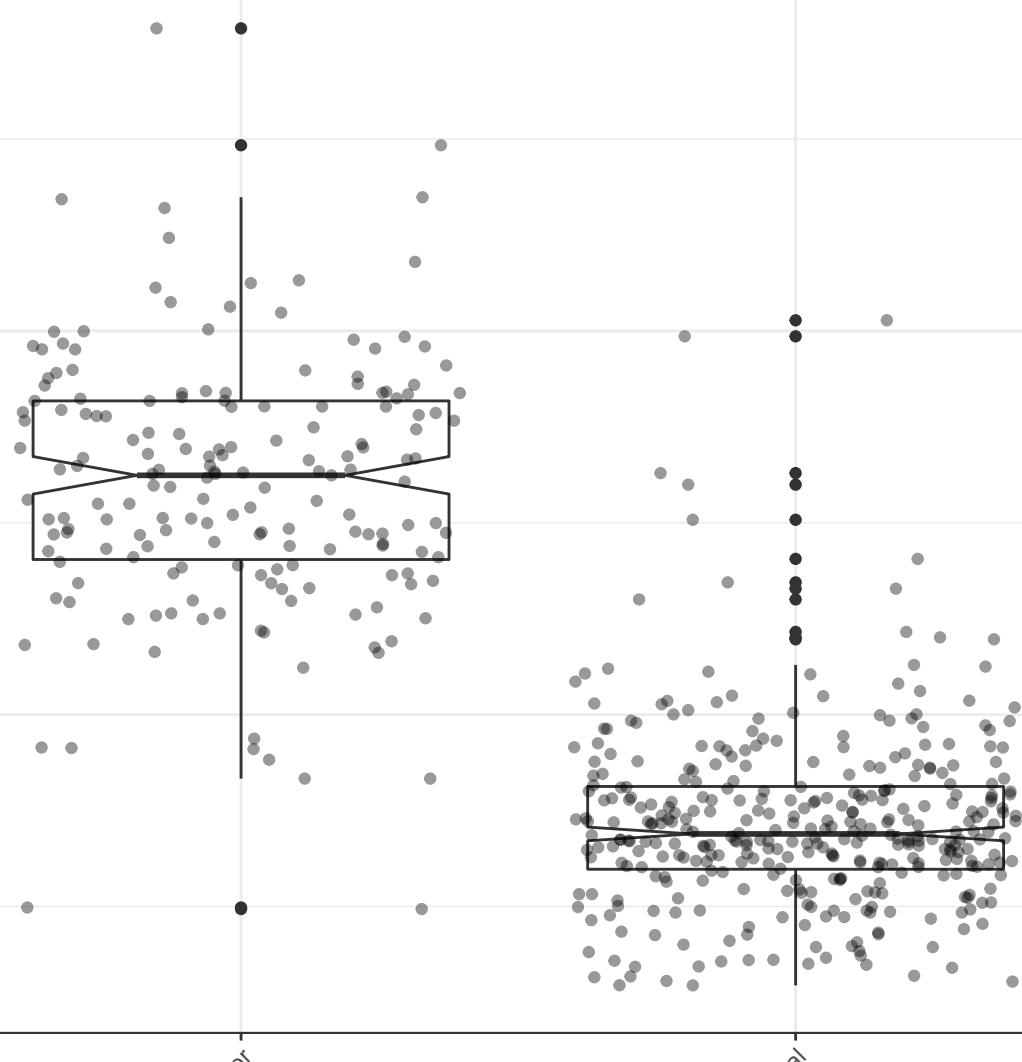
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



290,PID_INTEGRIN1_PATHWAY

Value

0.4

0.2

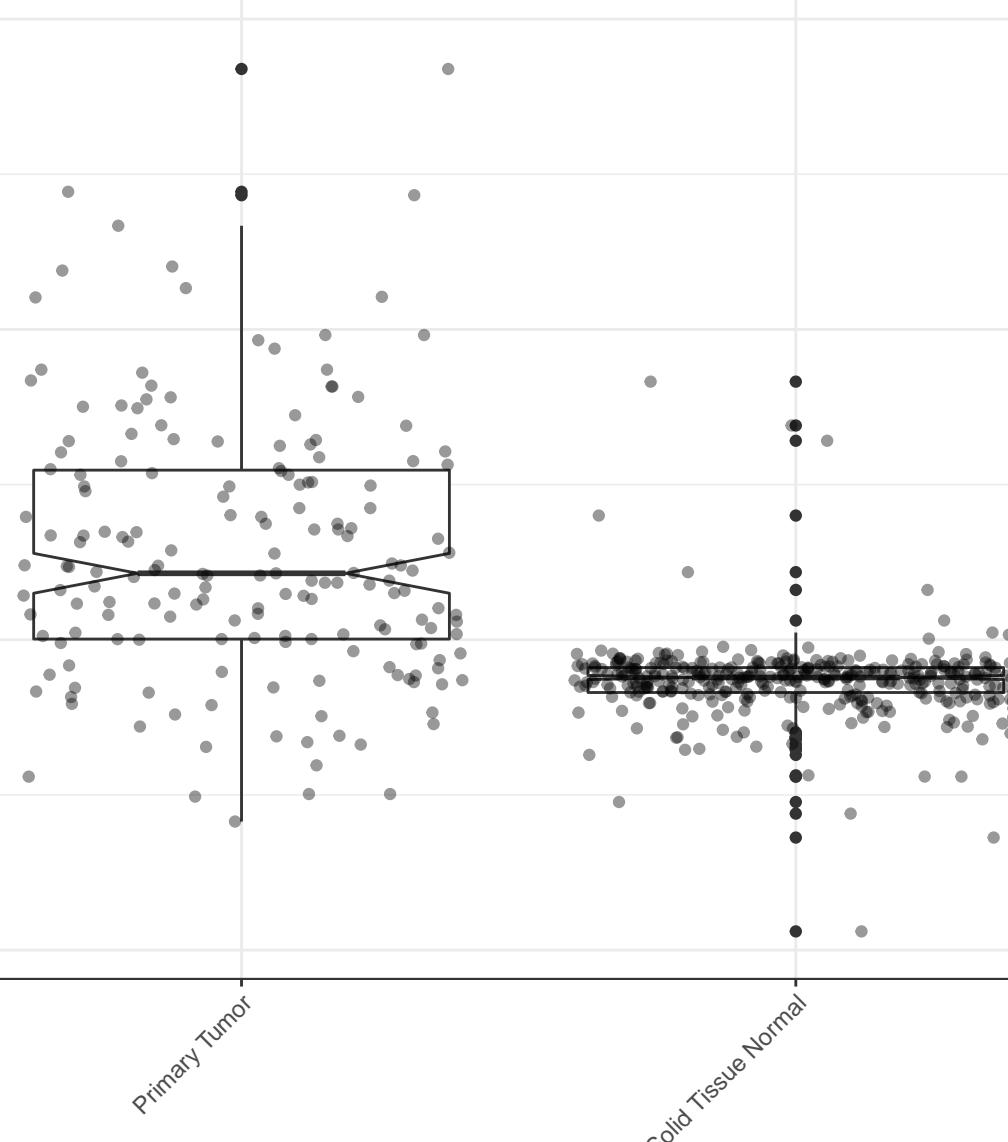
0.0

-0.2

Primary Tumor

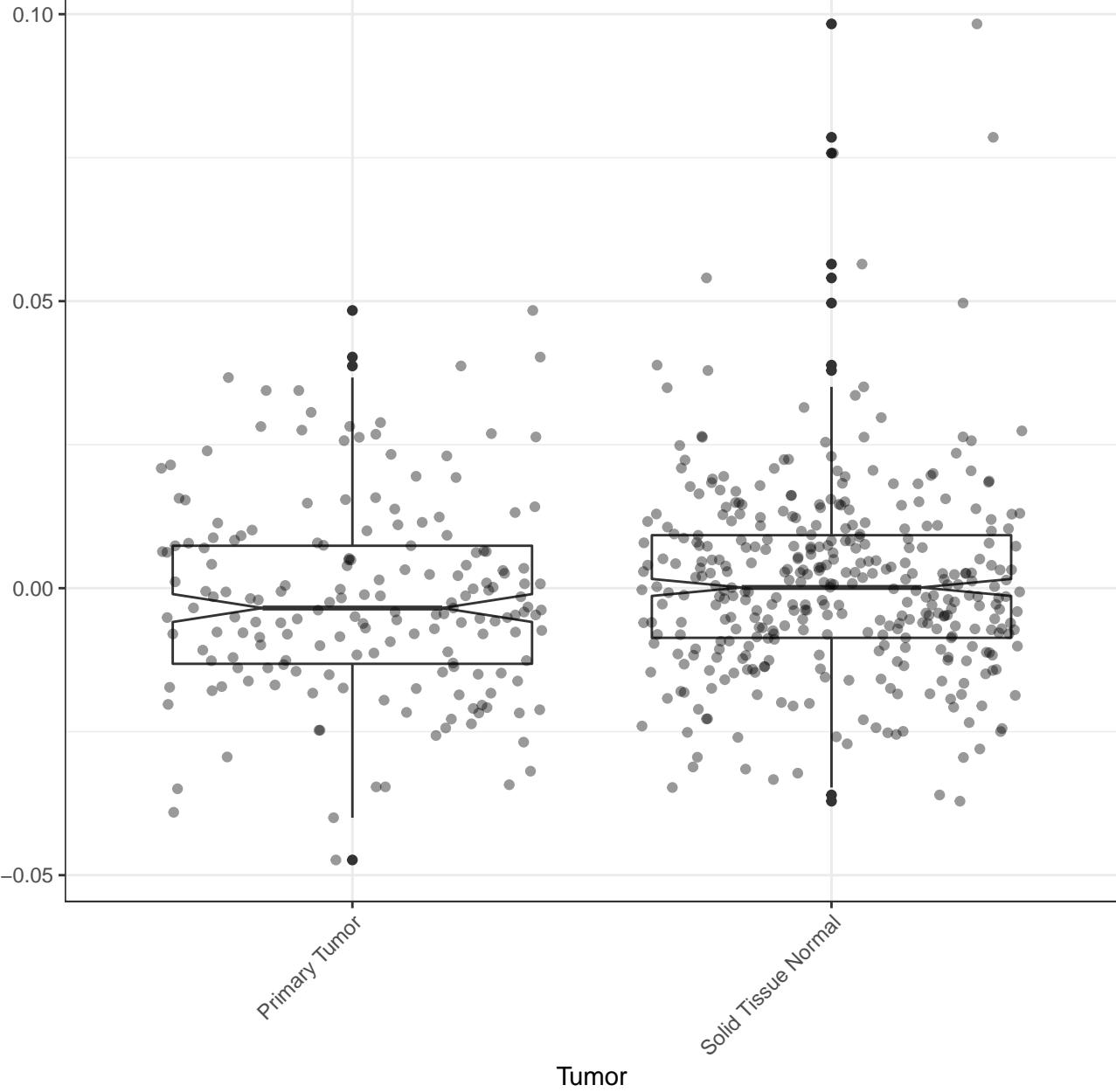
Tumor

Solid Tissue Normal

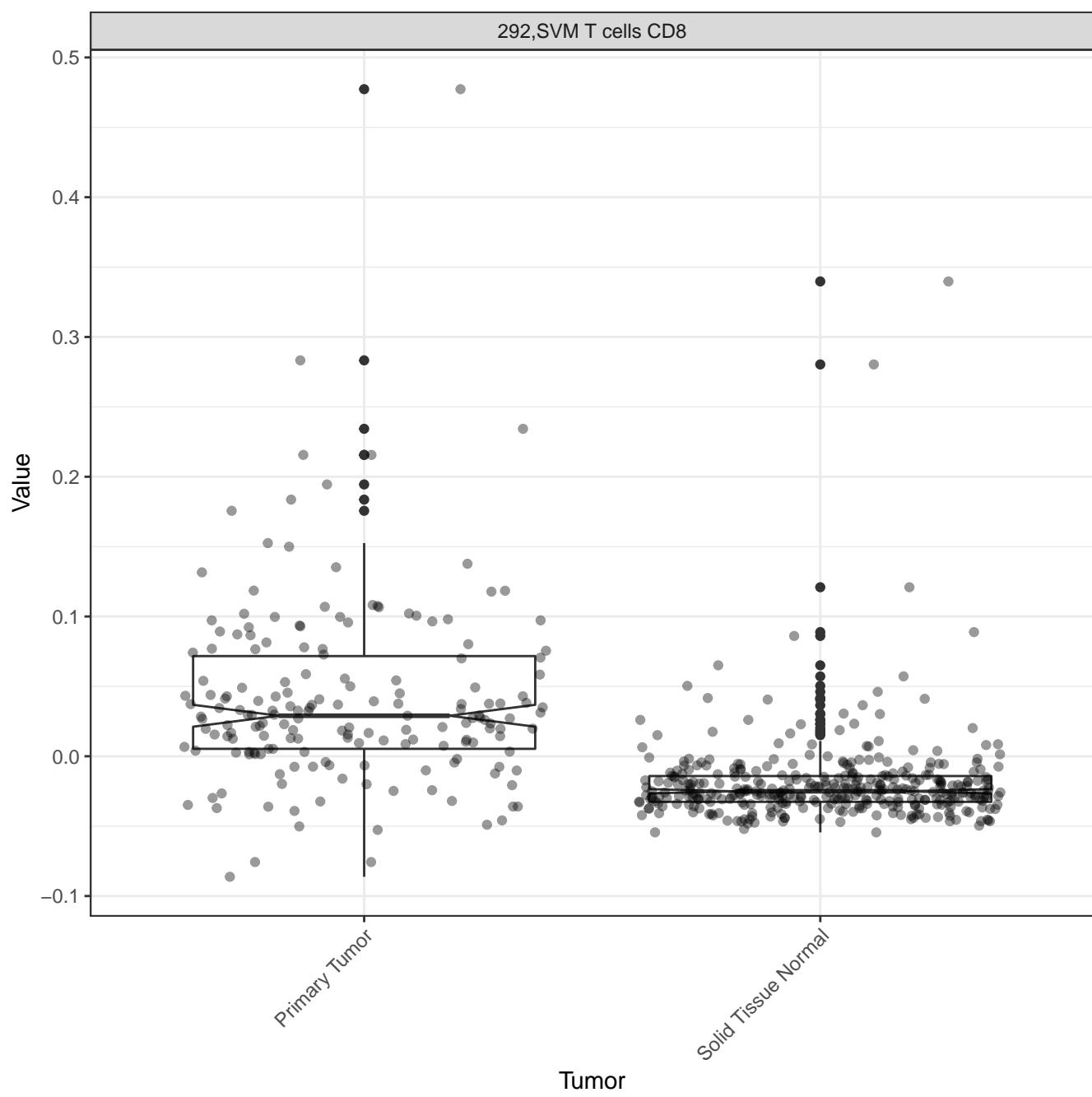


LV 291

Value



292,SVM T cells CD8



Value

0.15

0.10

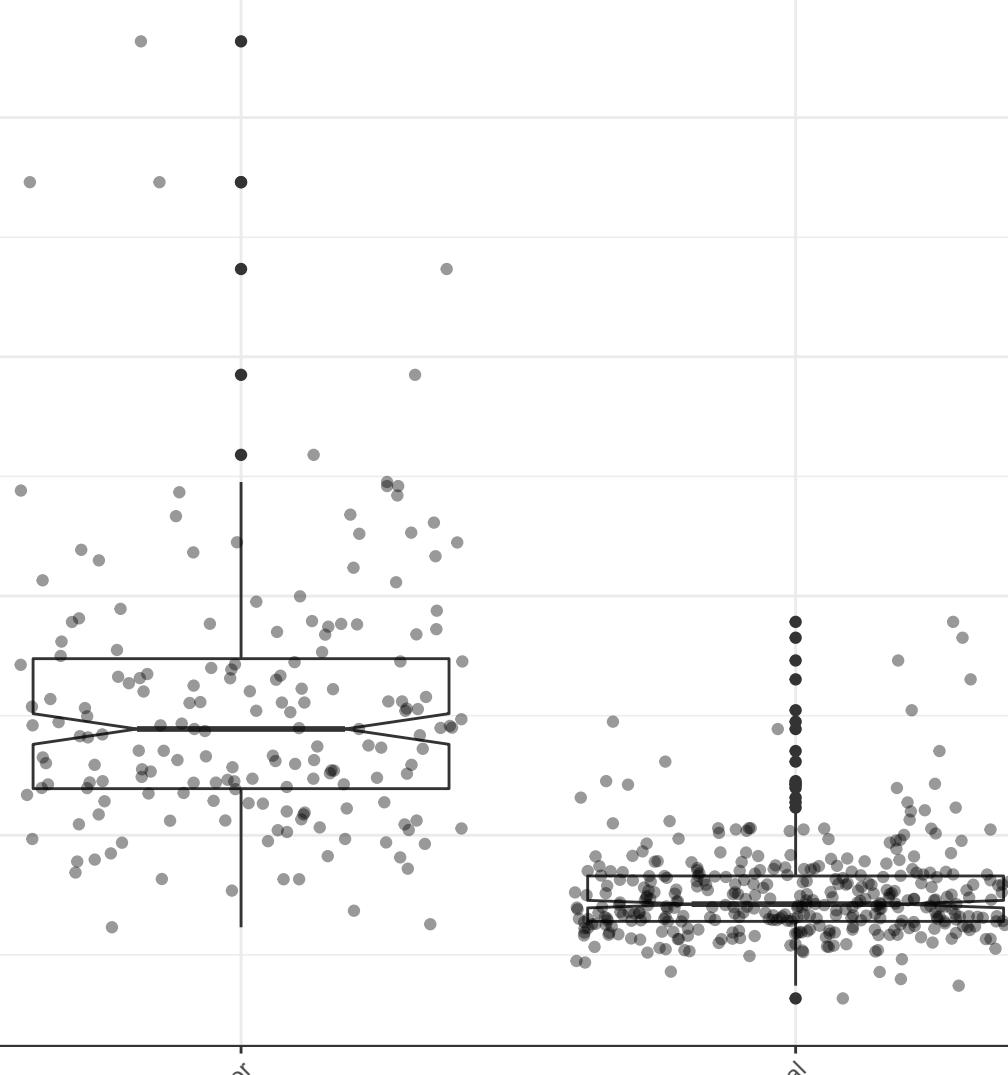
0.05

0.00

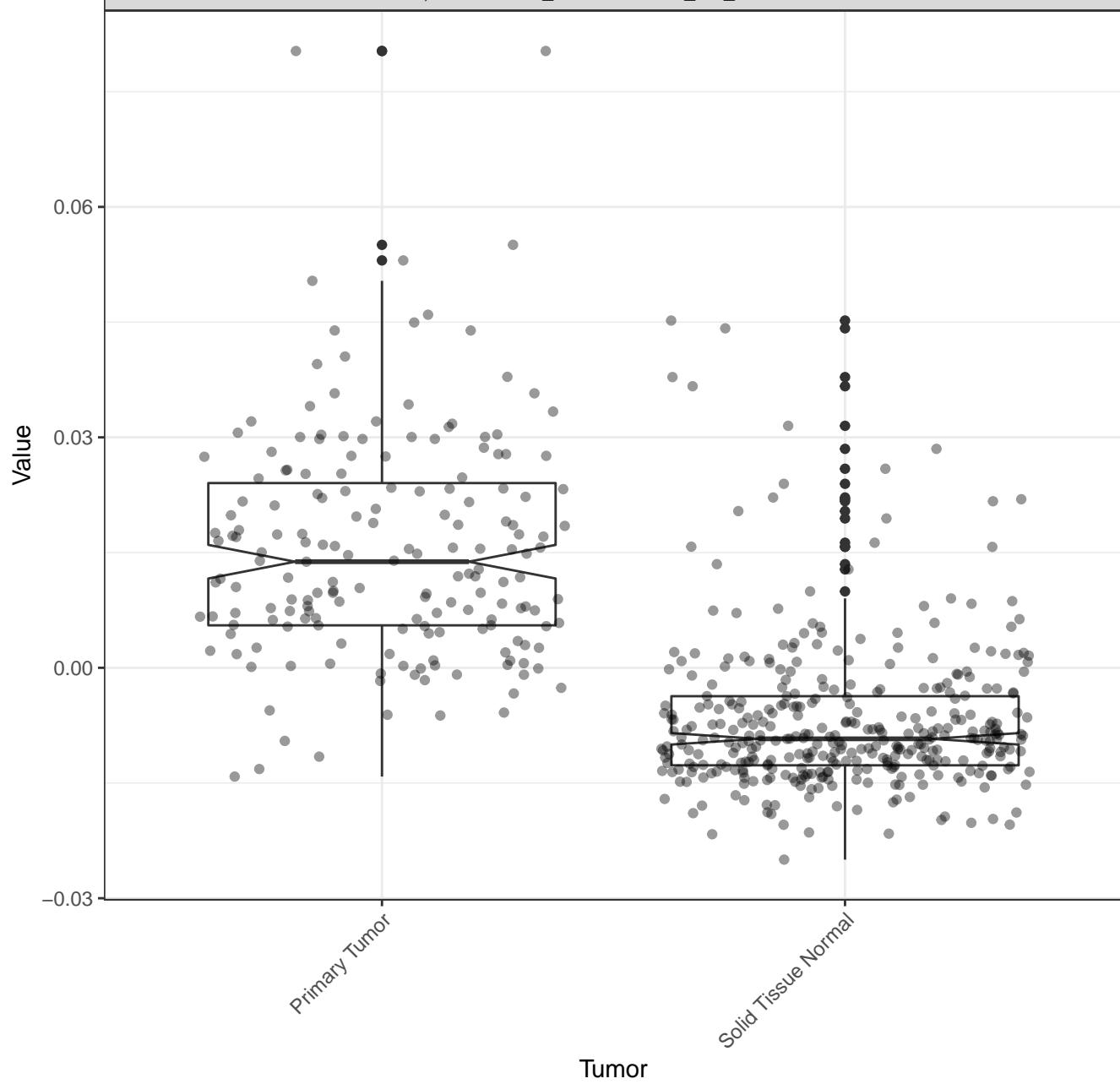
Primary Tumor

Solid Tissue Normal

Tumor



294,REACTOME_METABOLISM_OF_PROTEINS



295,PID_ATF2_PATHWAY

Value

0.3

0.2

0.1

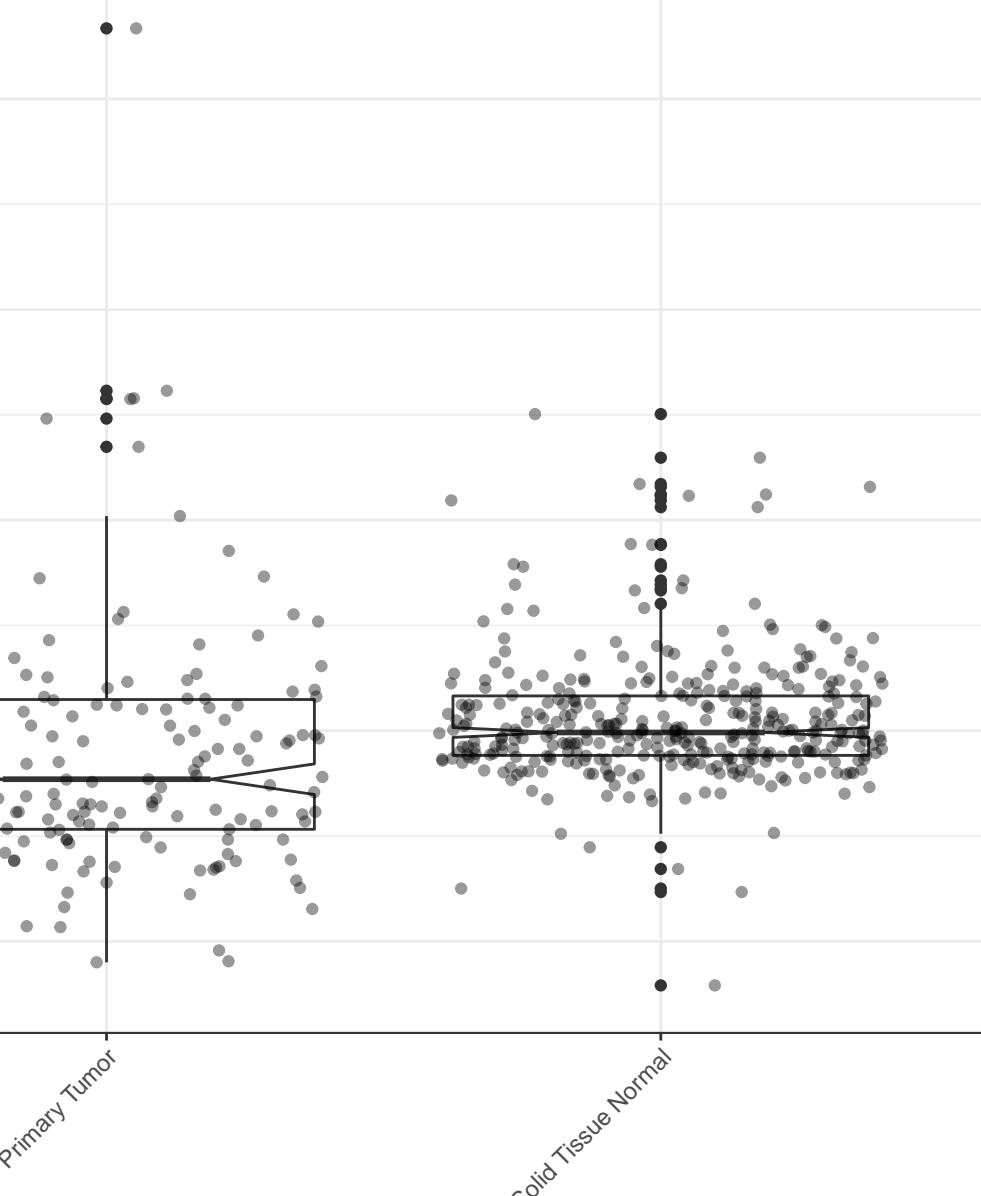
0.0

-0.1

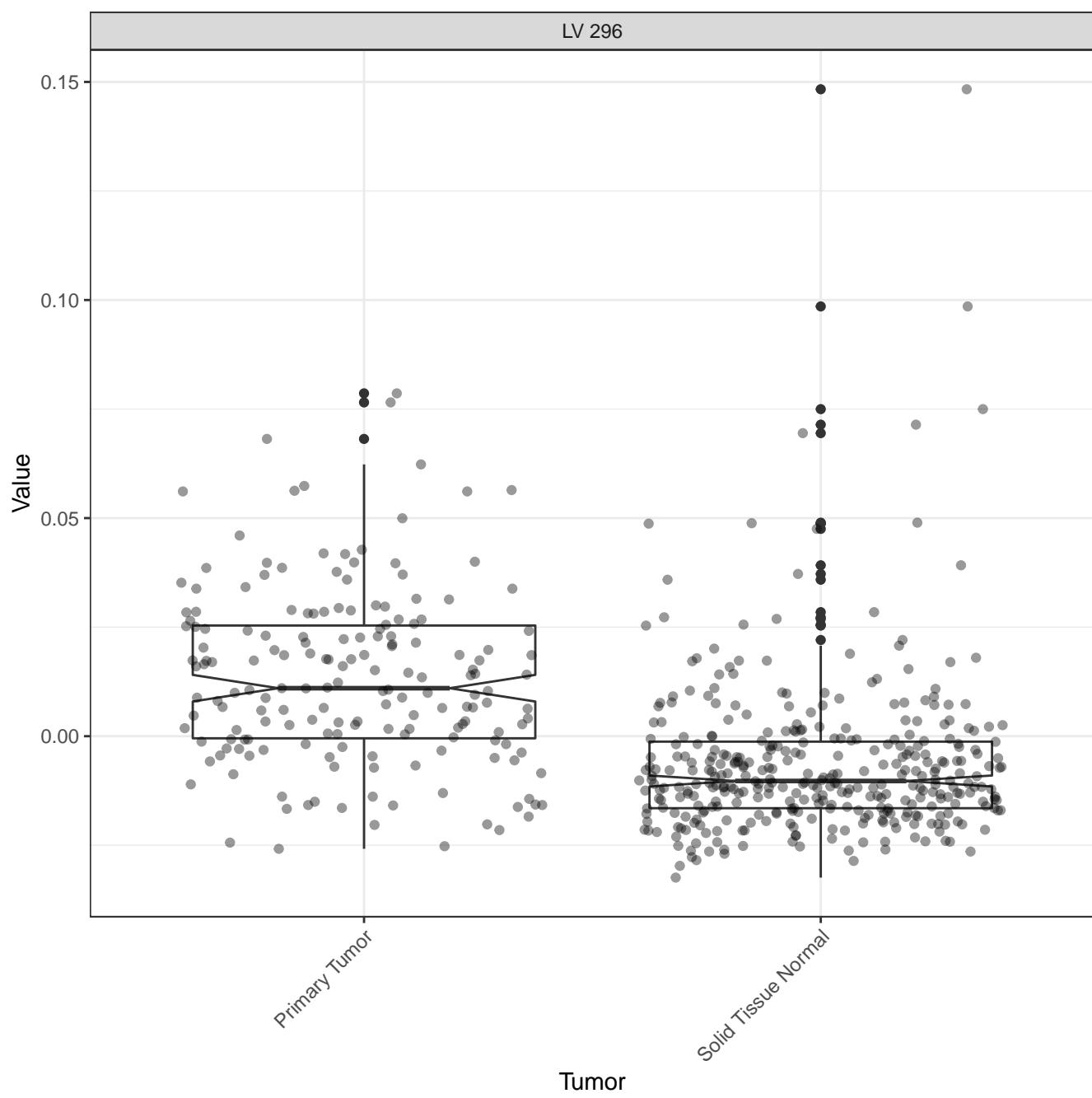
Primary Tumor

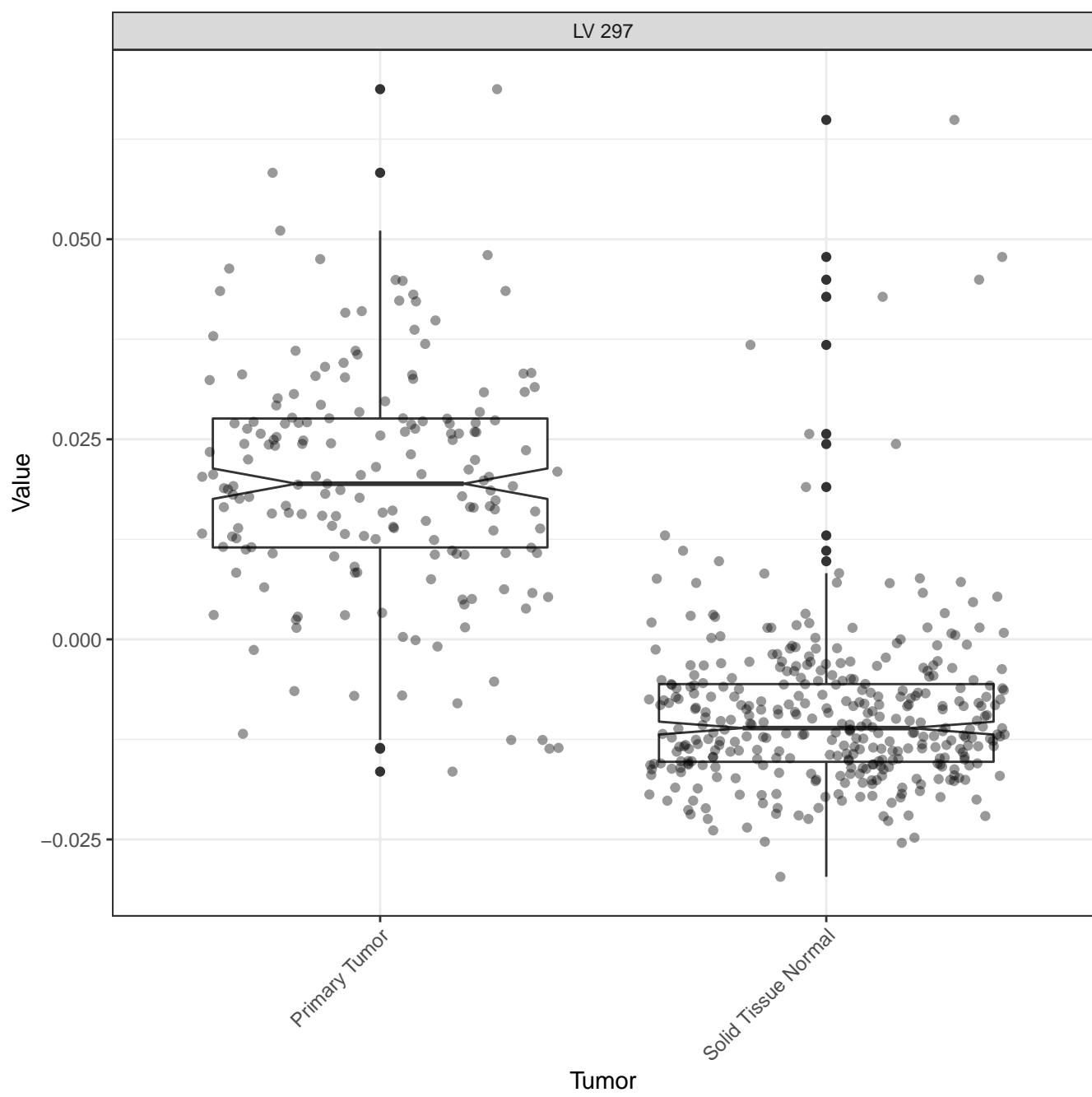
Solid Tissue Normal

Tumor



LV 296





LV 298

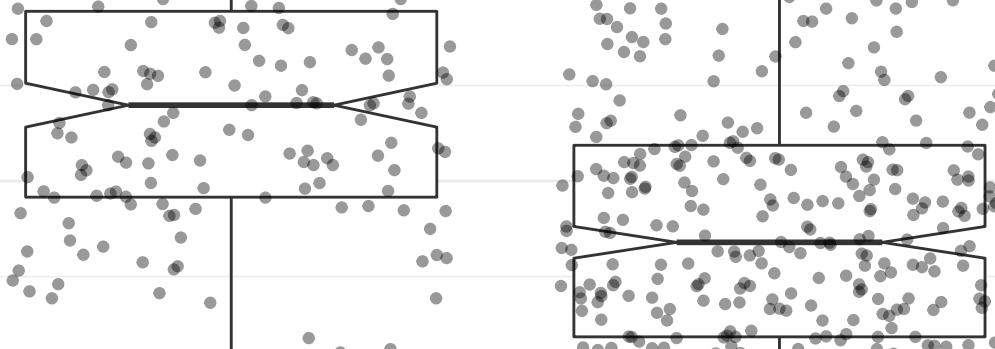
Value

0.06
0.04
0.02
0.00
-0.02
-0.04

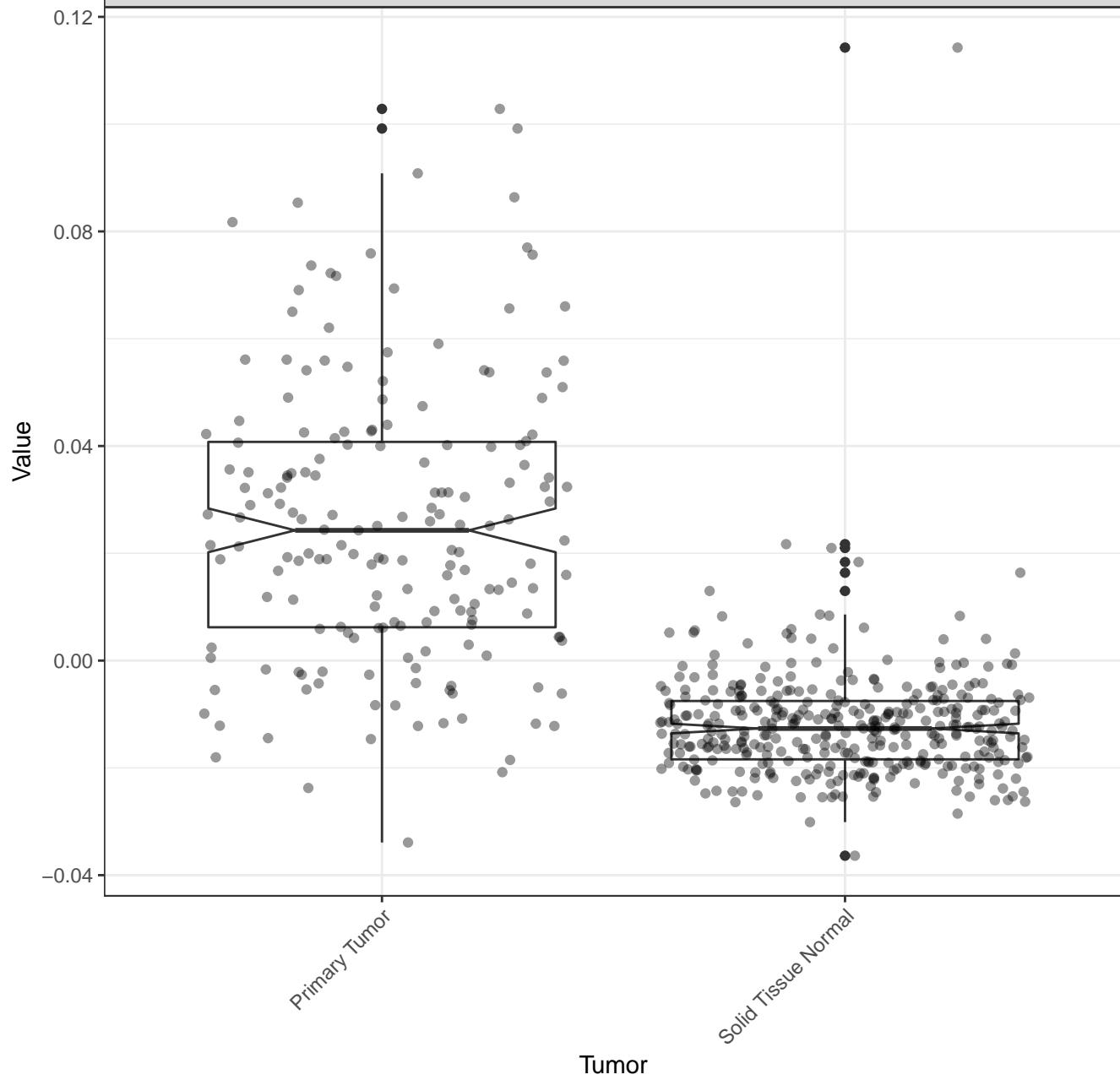
Primary Tumor

Solid Tissue Normal

Tumor



299,KEGG_WNT_SIGNALING_PATHWAY



LV 300

Value

0.08

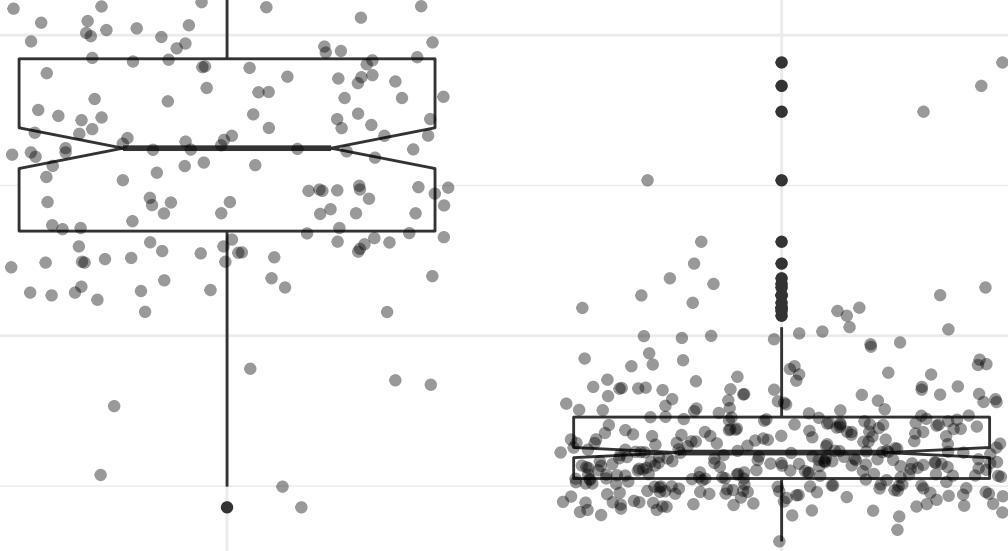
0.04

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 301

Value

0.20

0.15

0.10

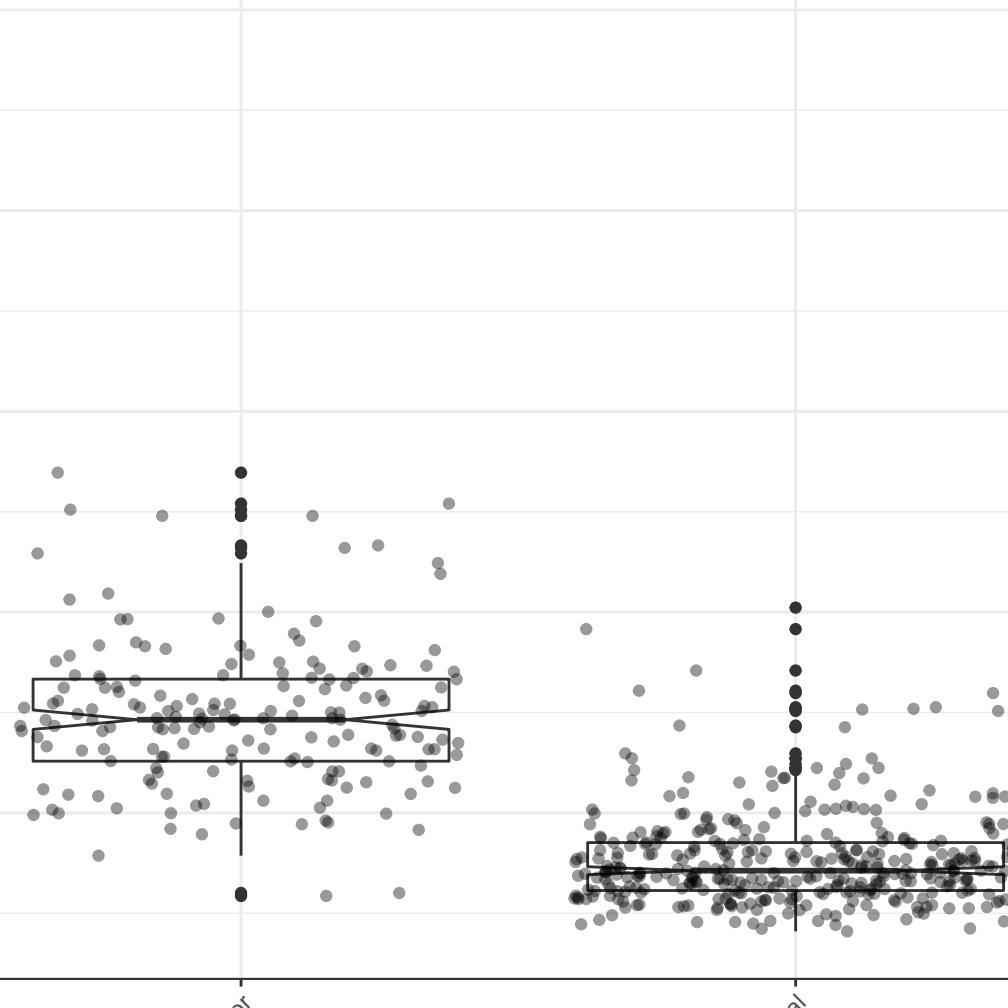
0.05

0.00

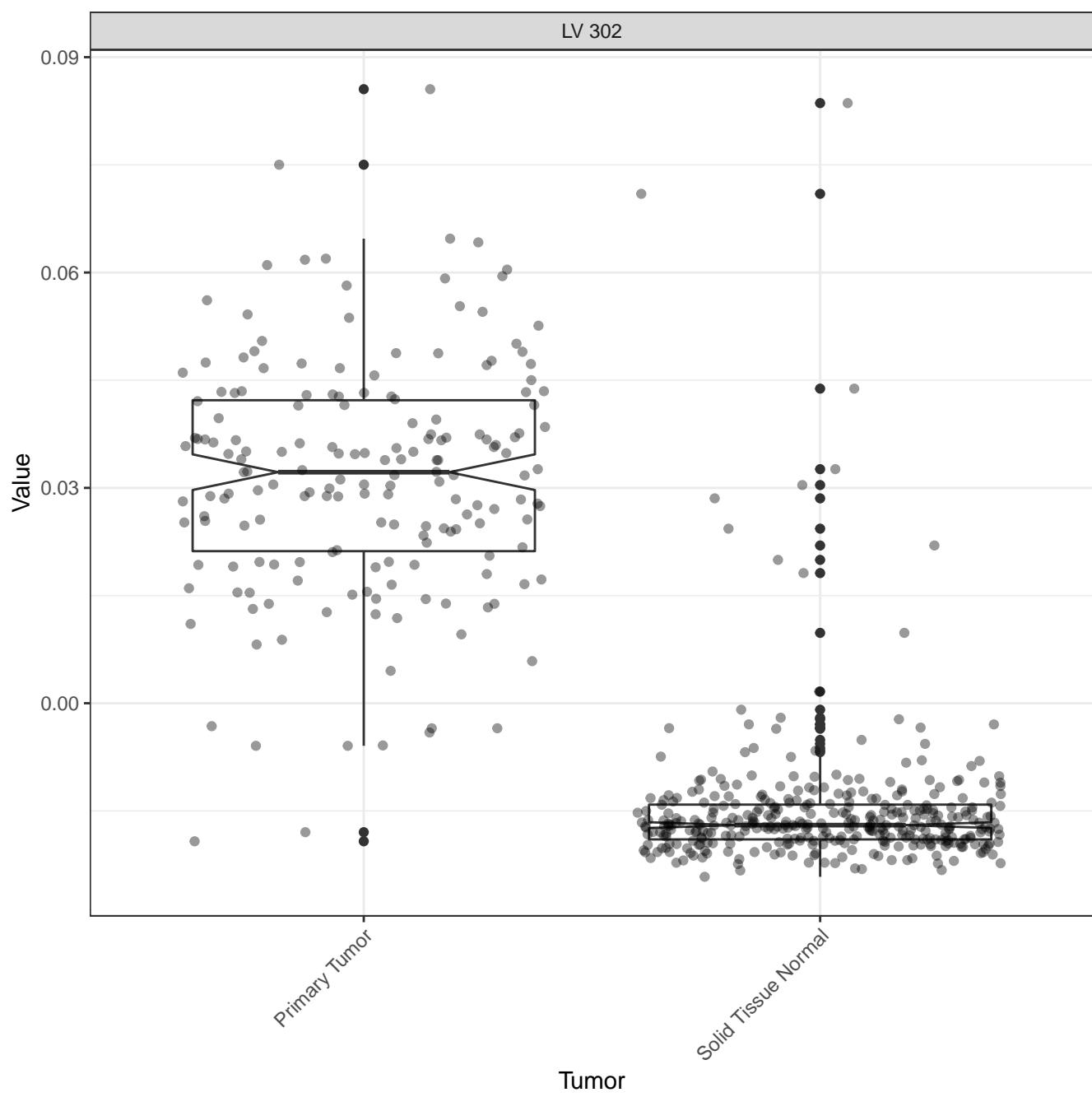
Primary Tumor

Solid Tissue Normal

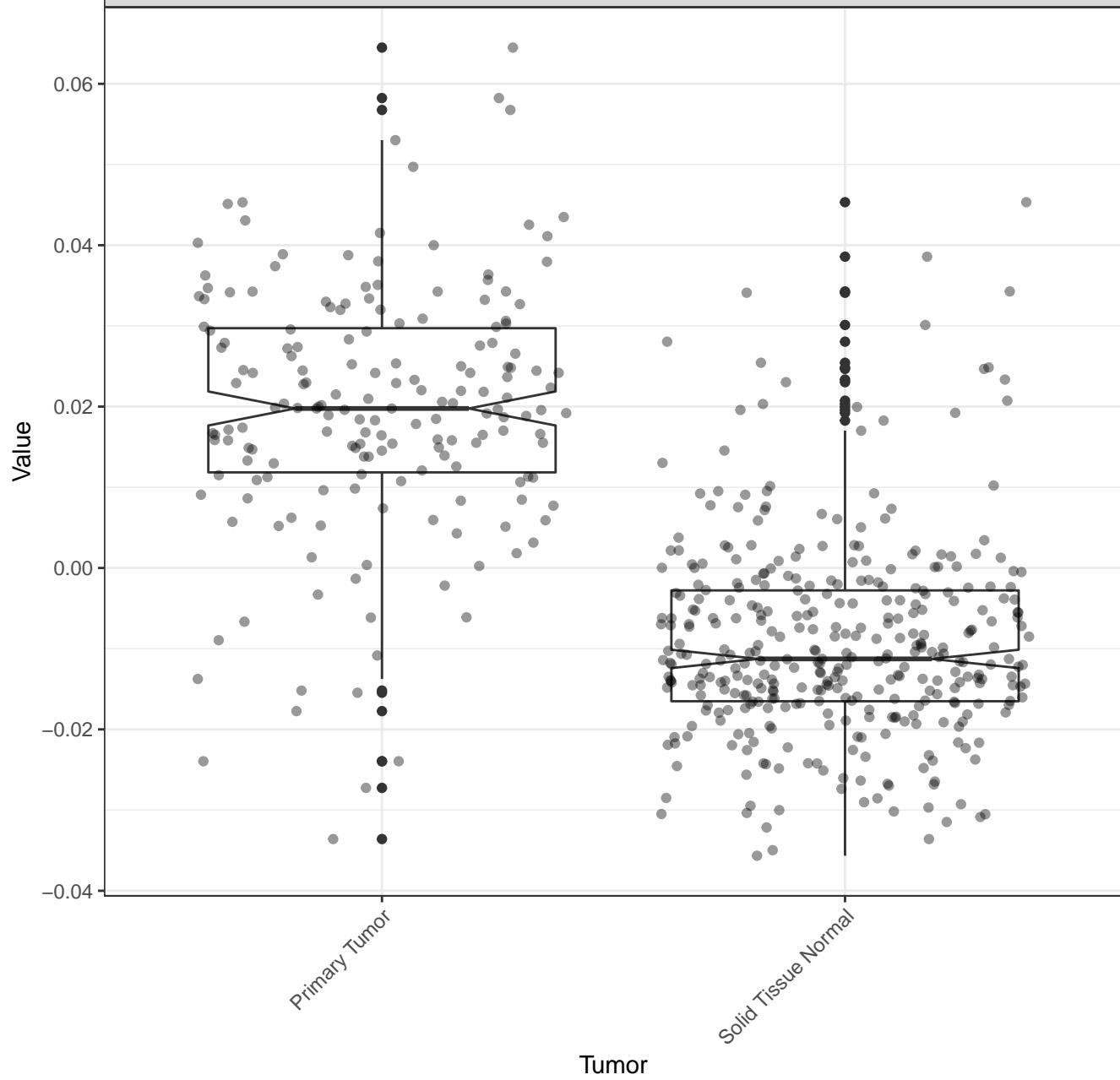
Tumor

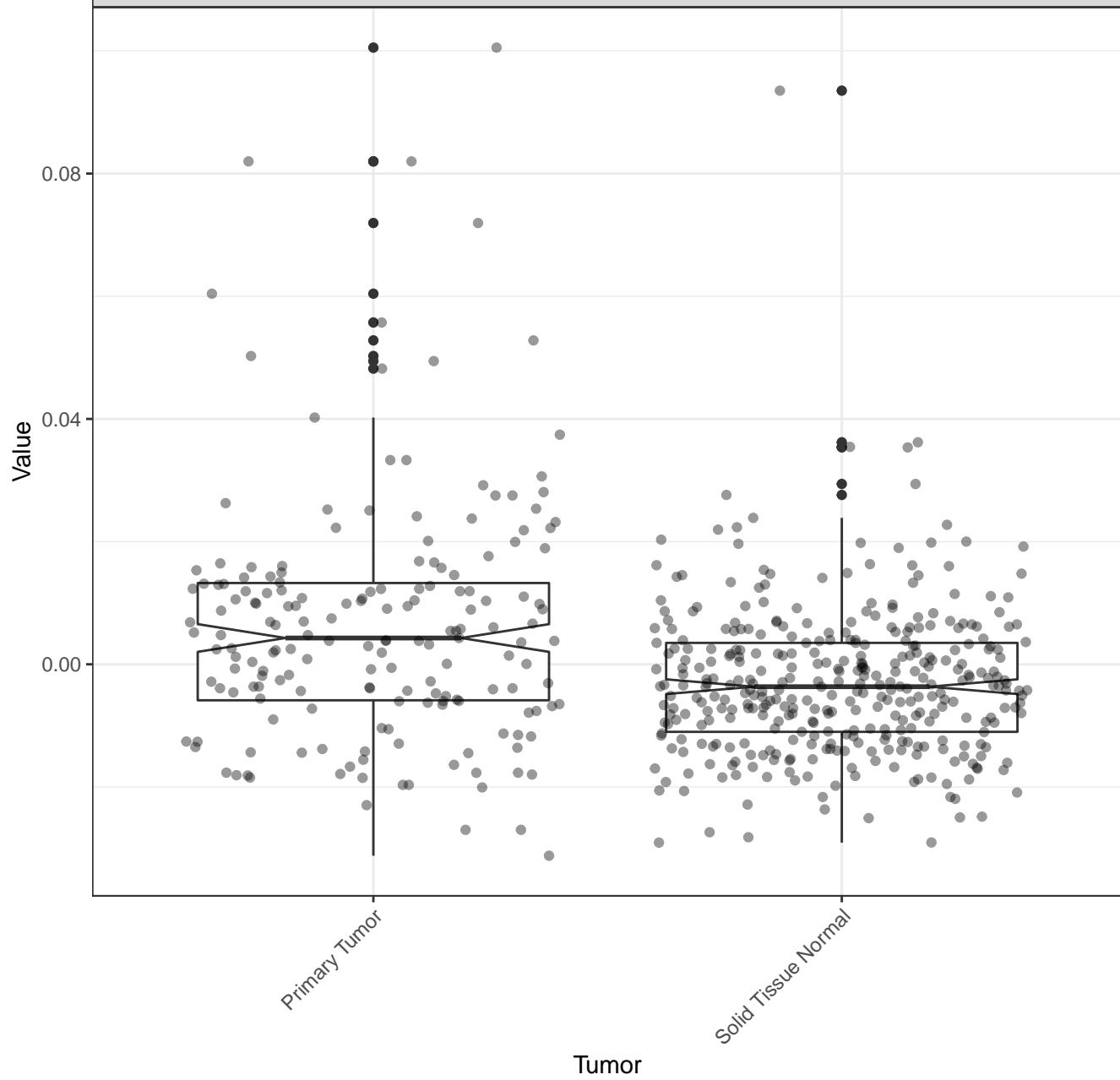


LV 302



303,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX





Value

0.06

0.03

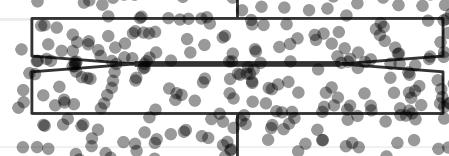
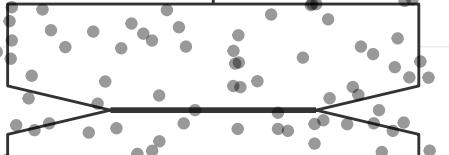
0.00

-0.03

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.05

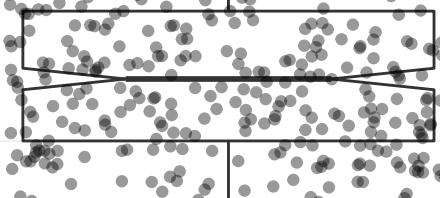
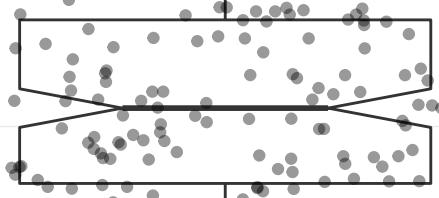
0.00

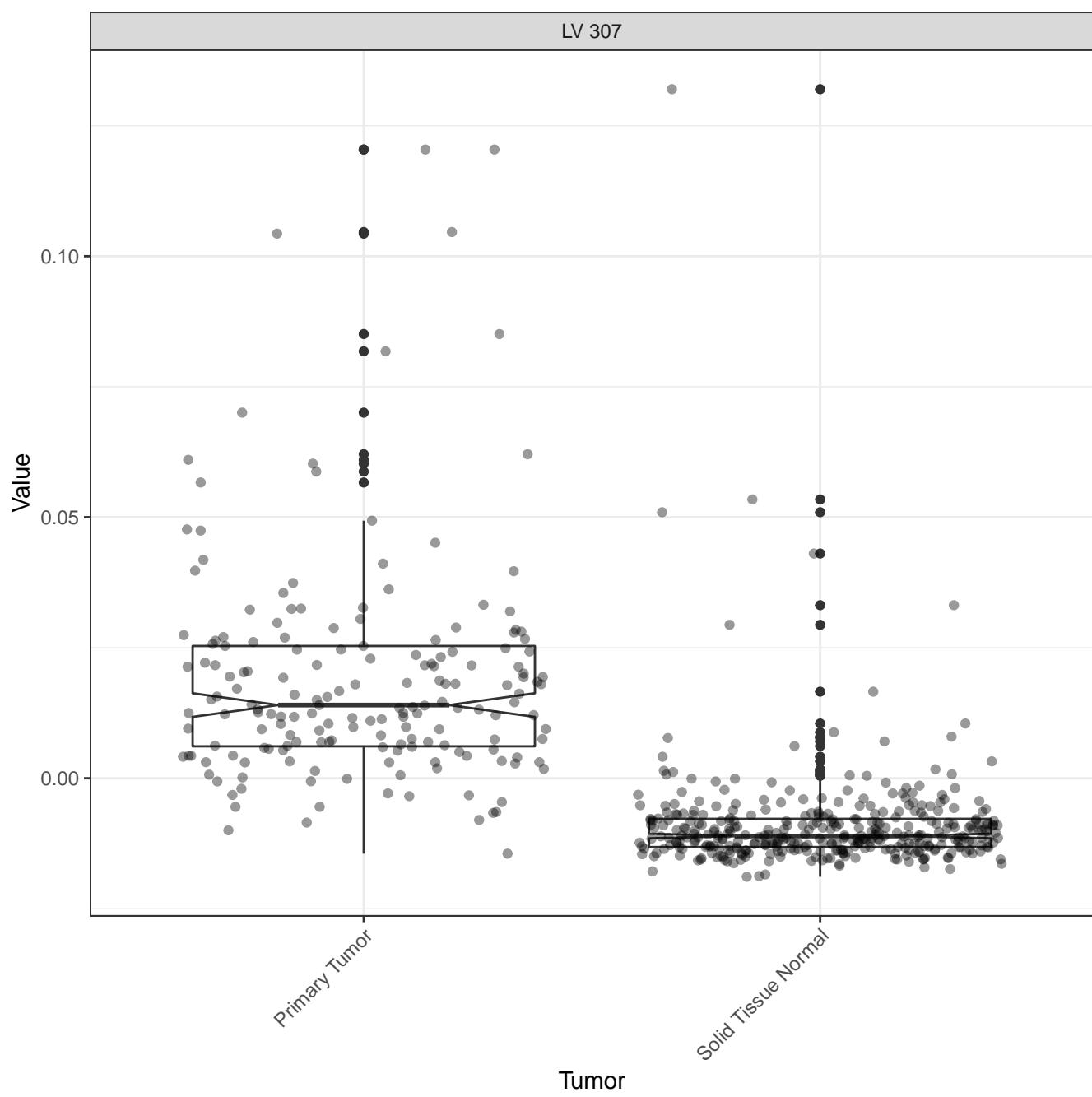
-0.05

Primary Tumor

Solid Tissue Normal

Tumor





LV 308

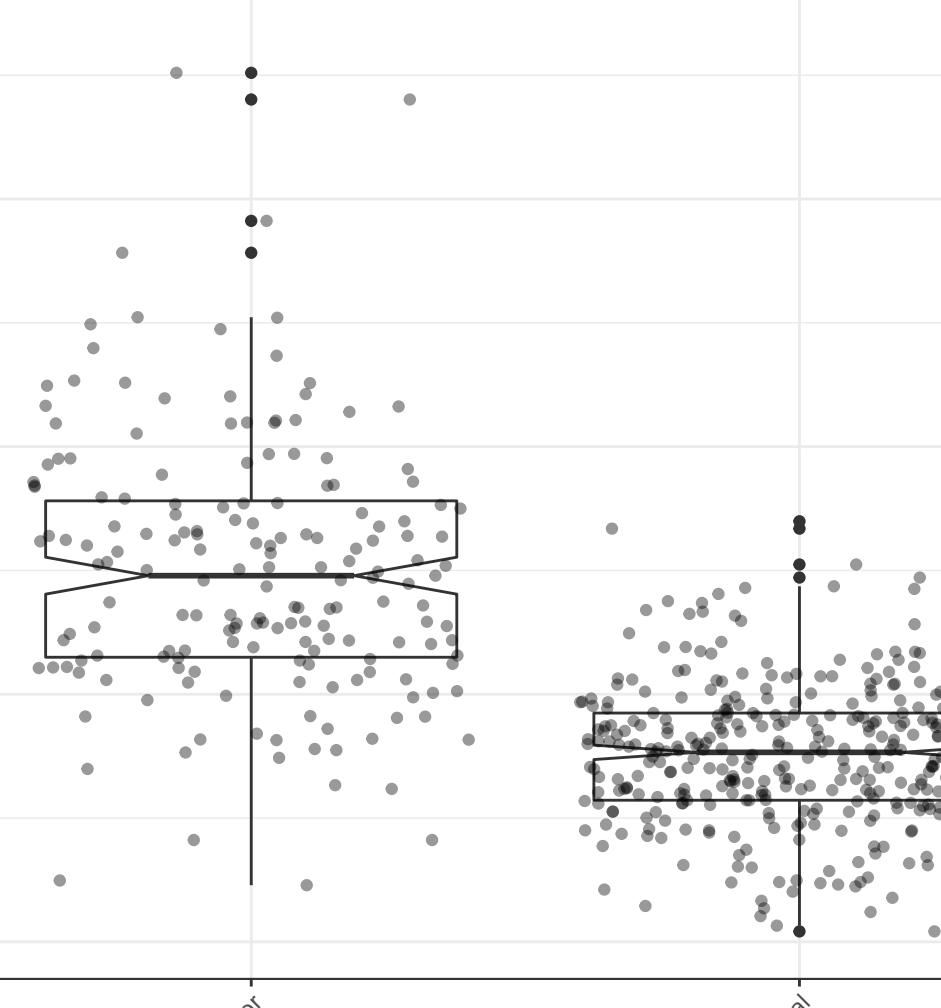
Value

0.12
0.08
0.04
0.00
-0.04

Primary Tumor

Solid Tissue Normal

Tumor



309,REACTOME_IMMUNE_SYSTEM

Value

0.15

0.10

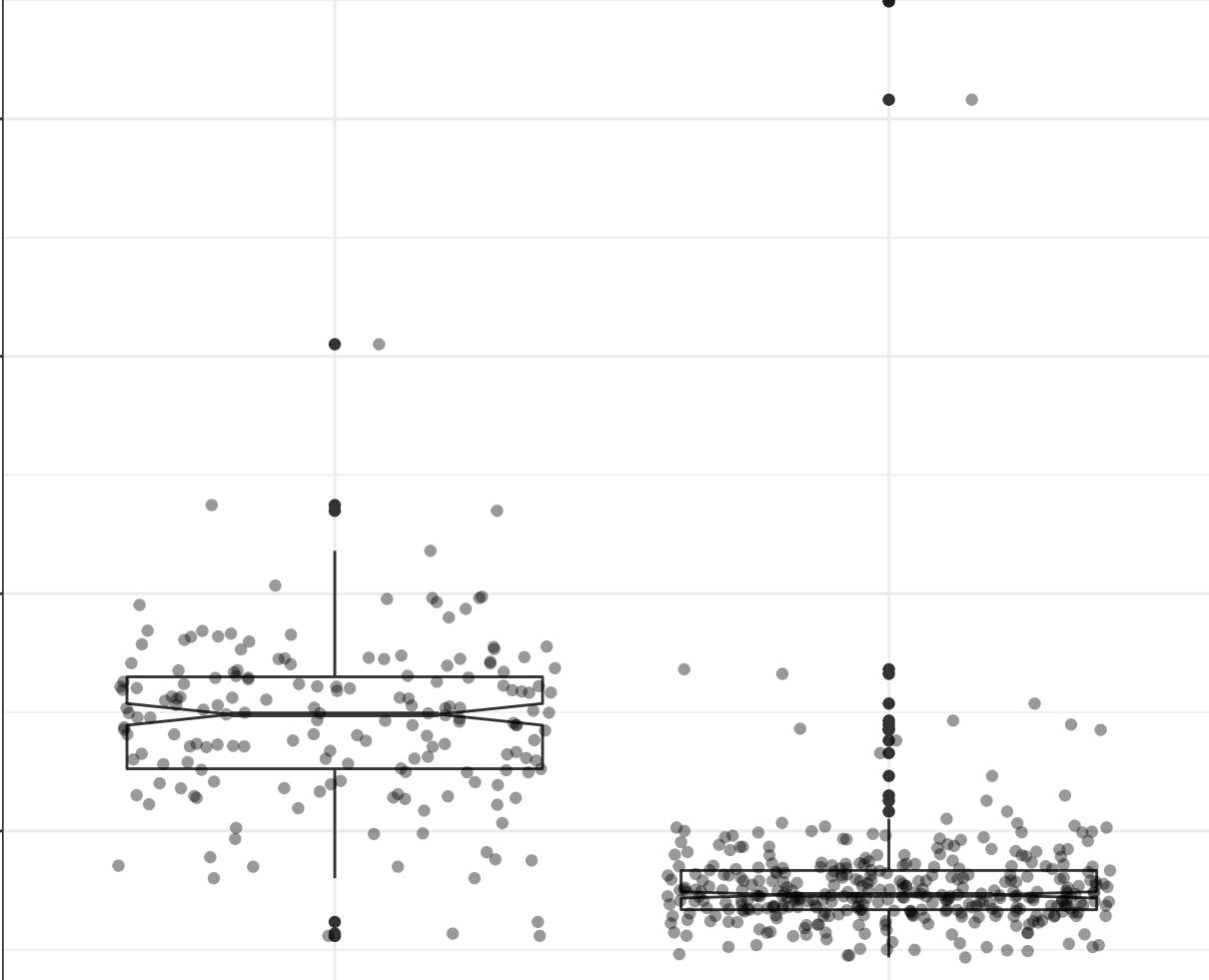
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



310,REACTOME_DNA_STRAND_ELONGATION

Value

0.4

0.3

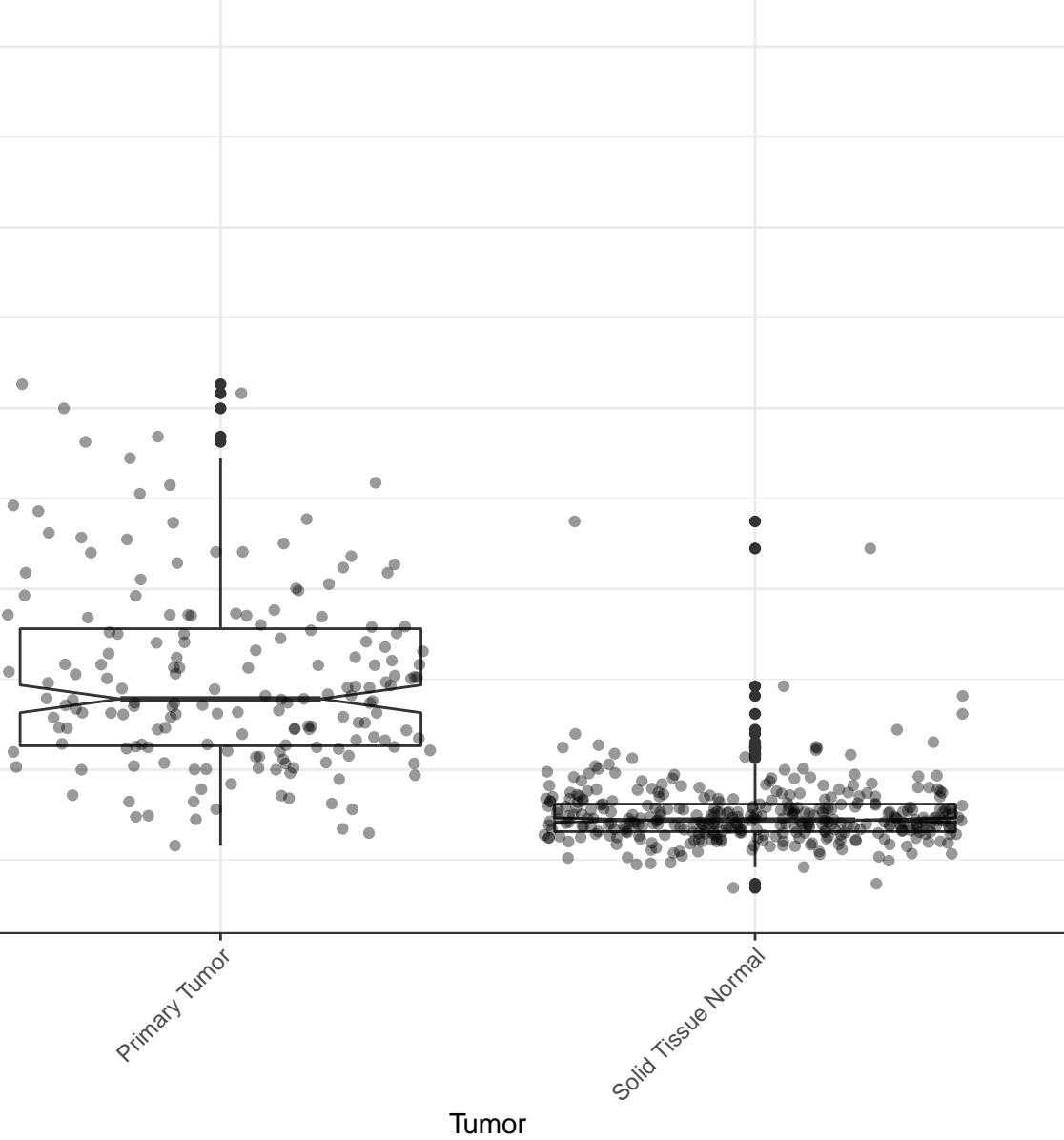
0.1

0.0

Primary Tumor

Solid Tissue Normal

Tumor



Value

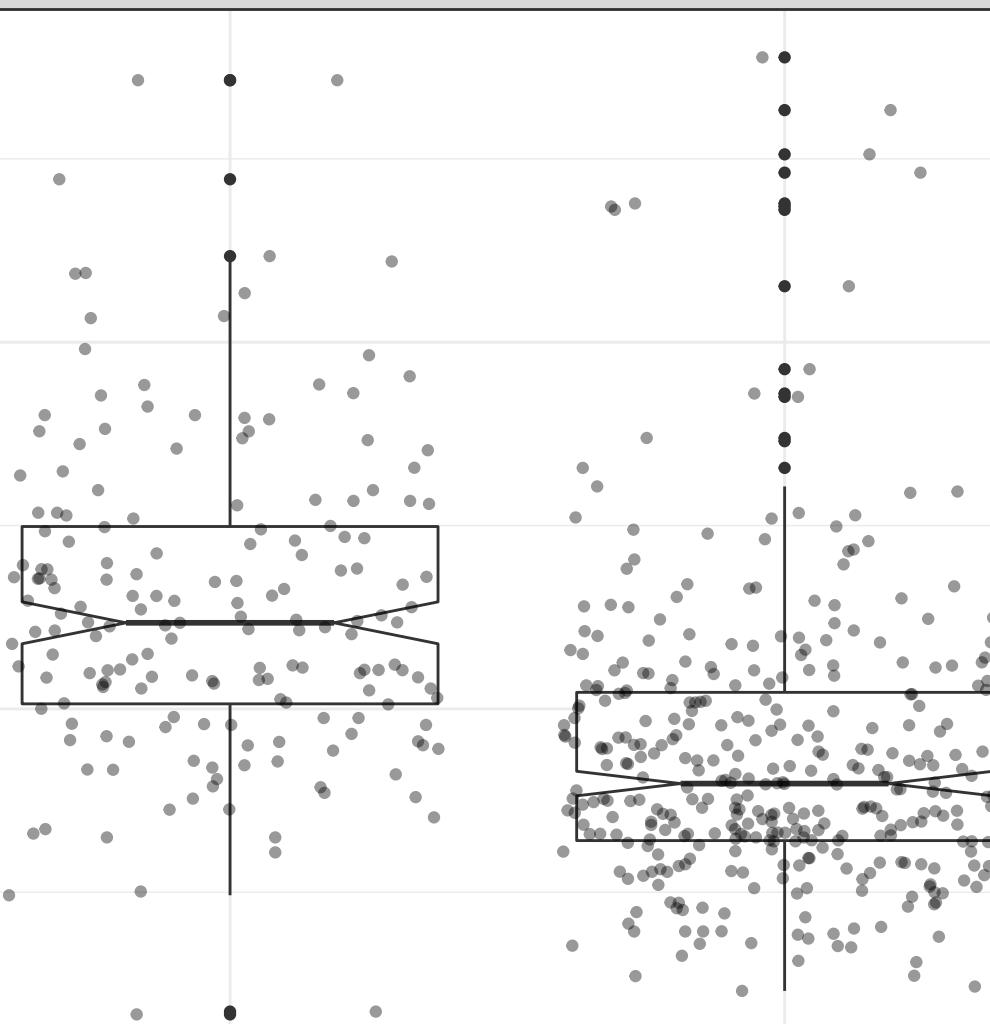
0.05

0.00

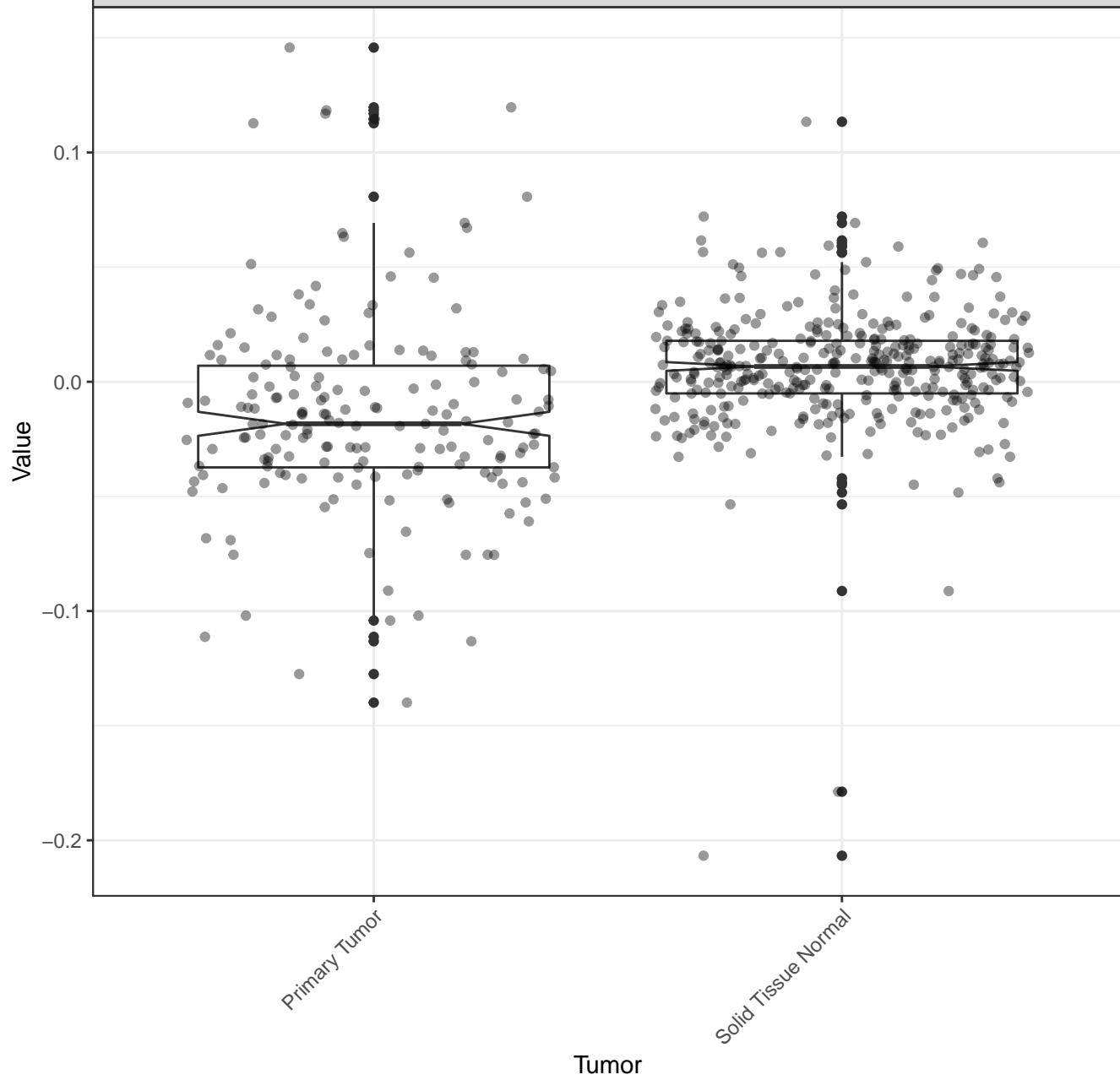
Primary Tumor

Solid Tissue Normal

Tumor



312,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS



Value

0.15

0.10

0.05

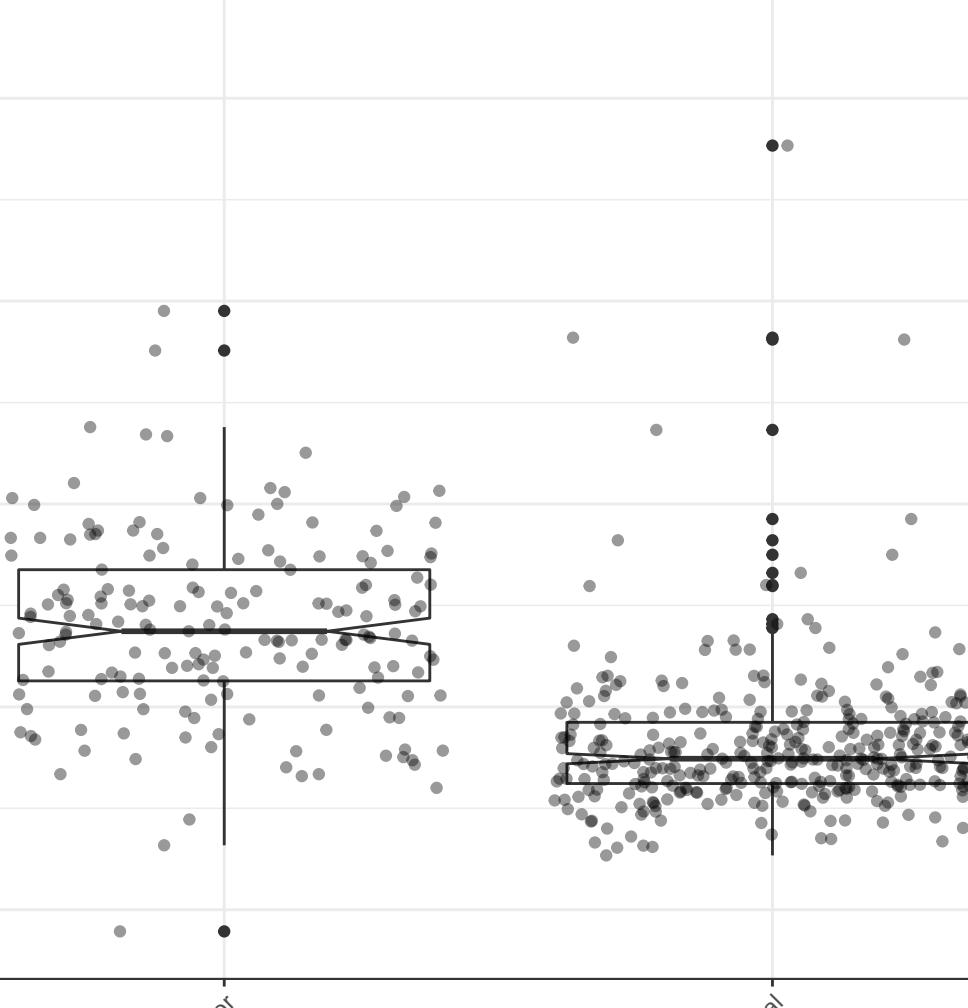
0.00

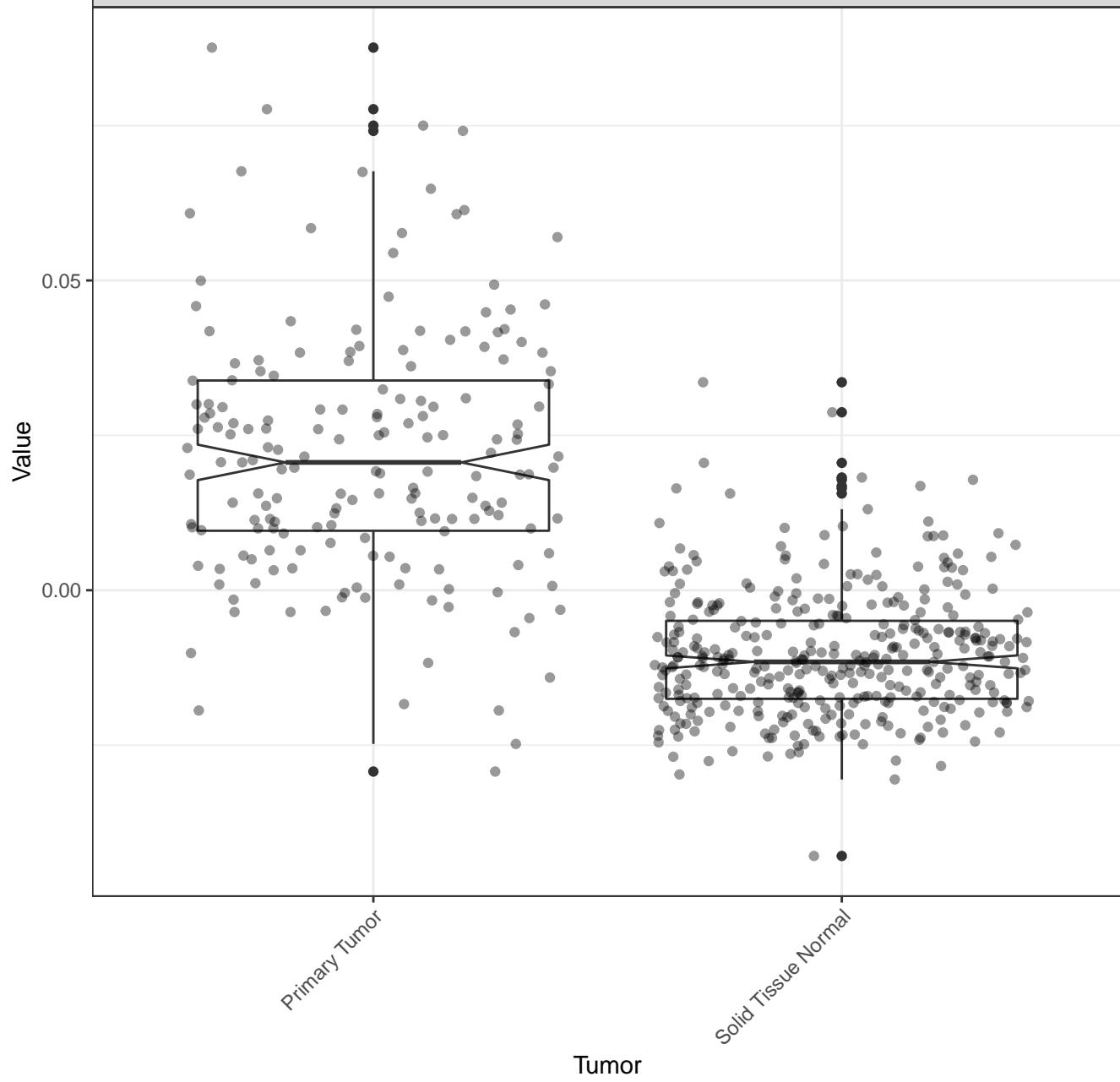
-0.05

Primary Tumor

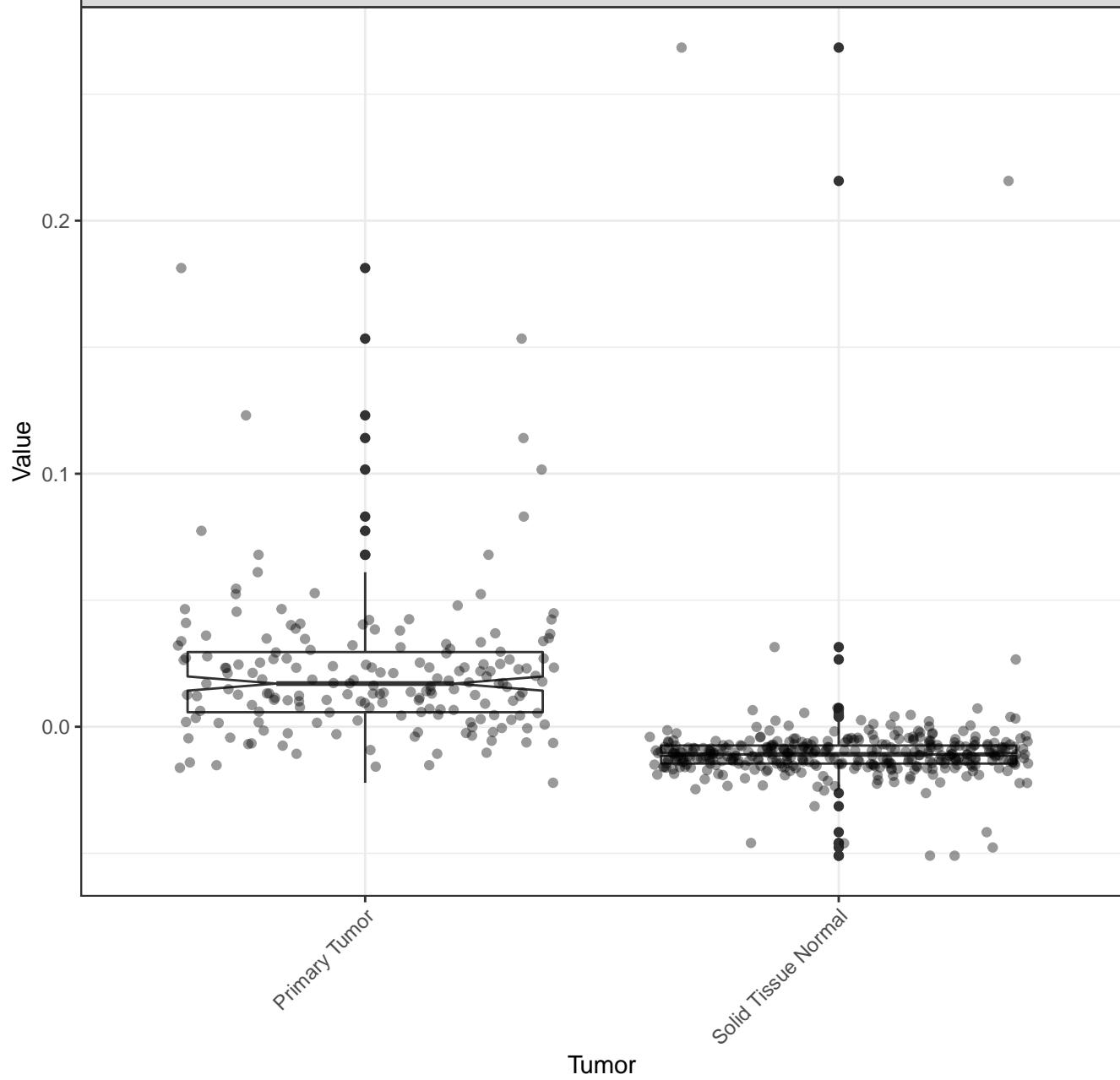
Solid Tissue Normal

Tumor





315,DMAP_DENDA1



Value

0.15

0.10

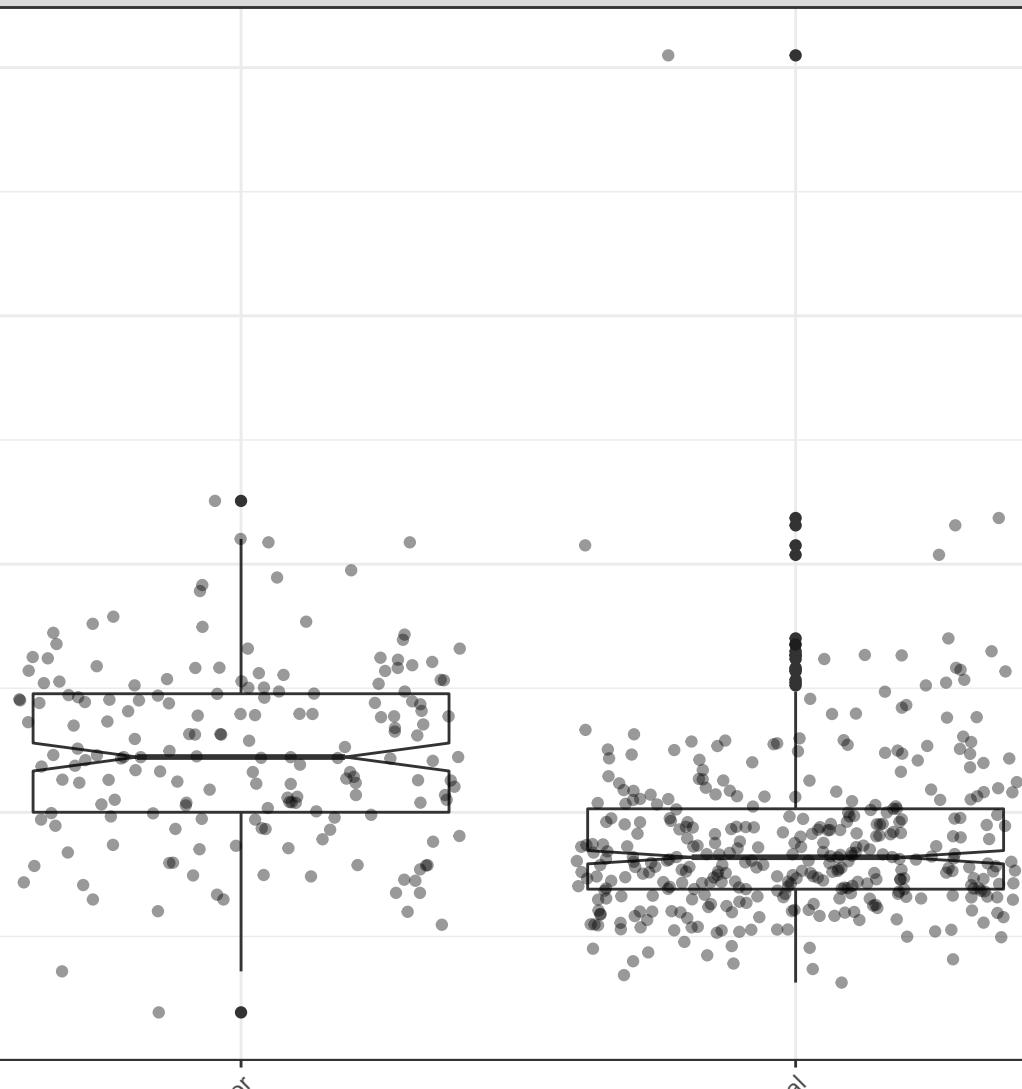
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 317

Value

0.10

0.05

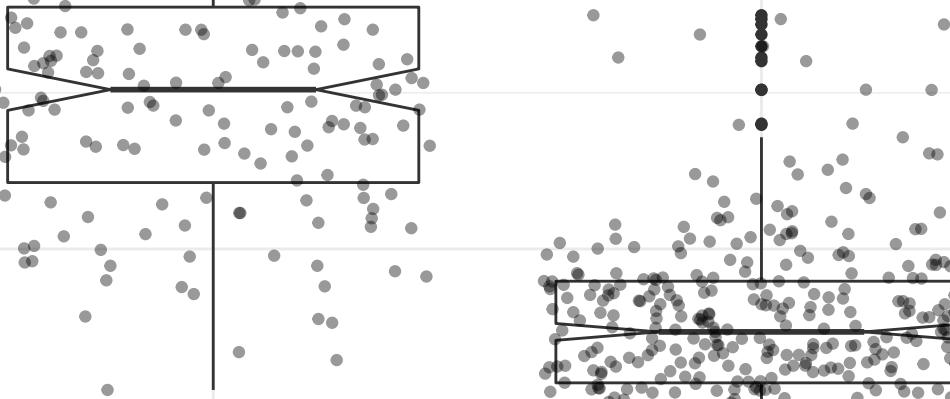
0.00

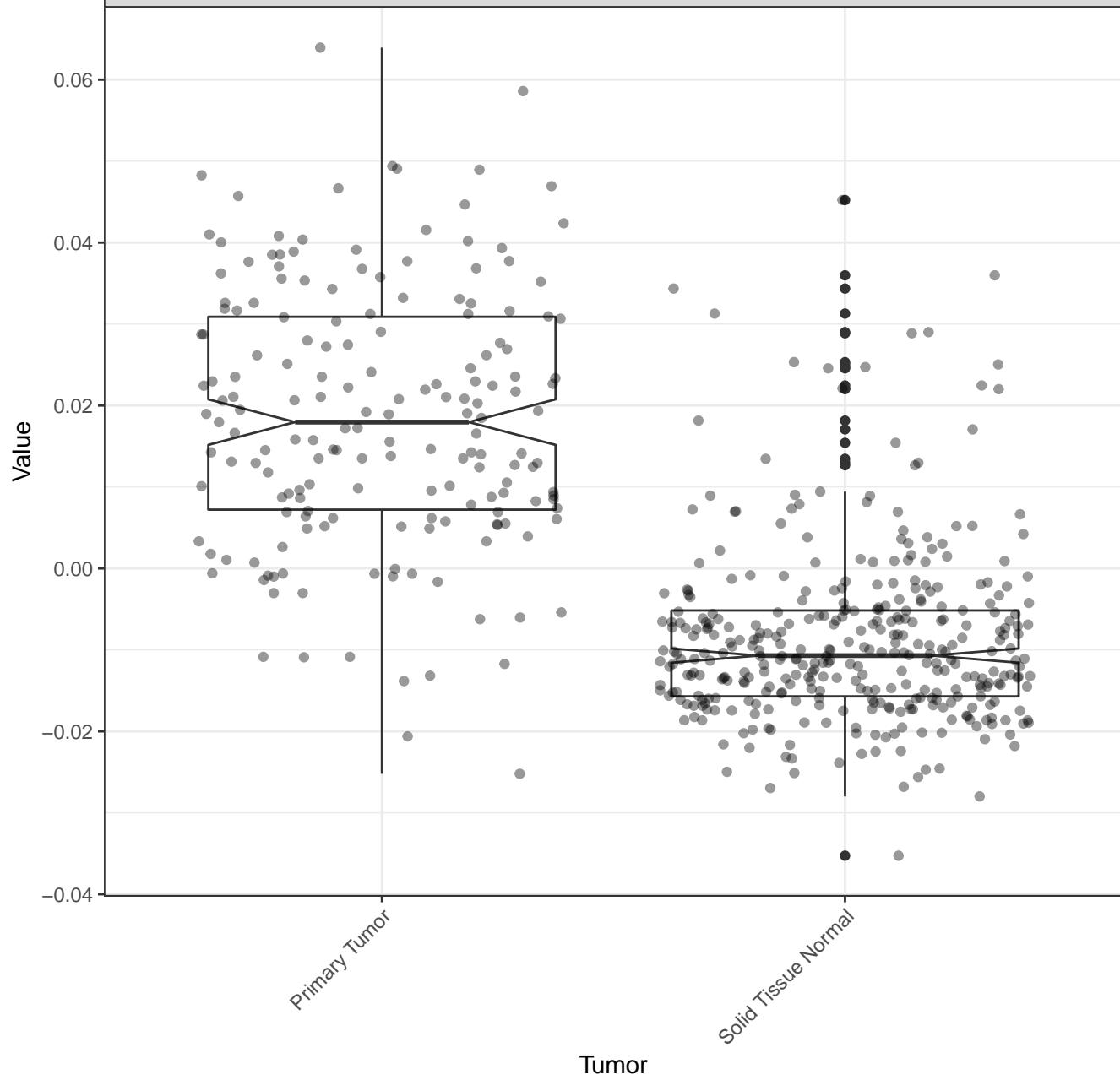
-0.05

Primary Tumor

Solid Tissue Normal

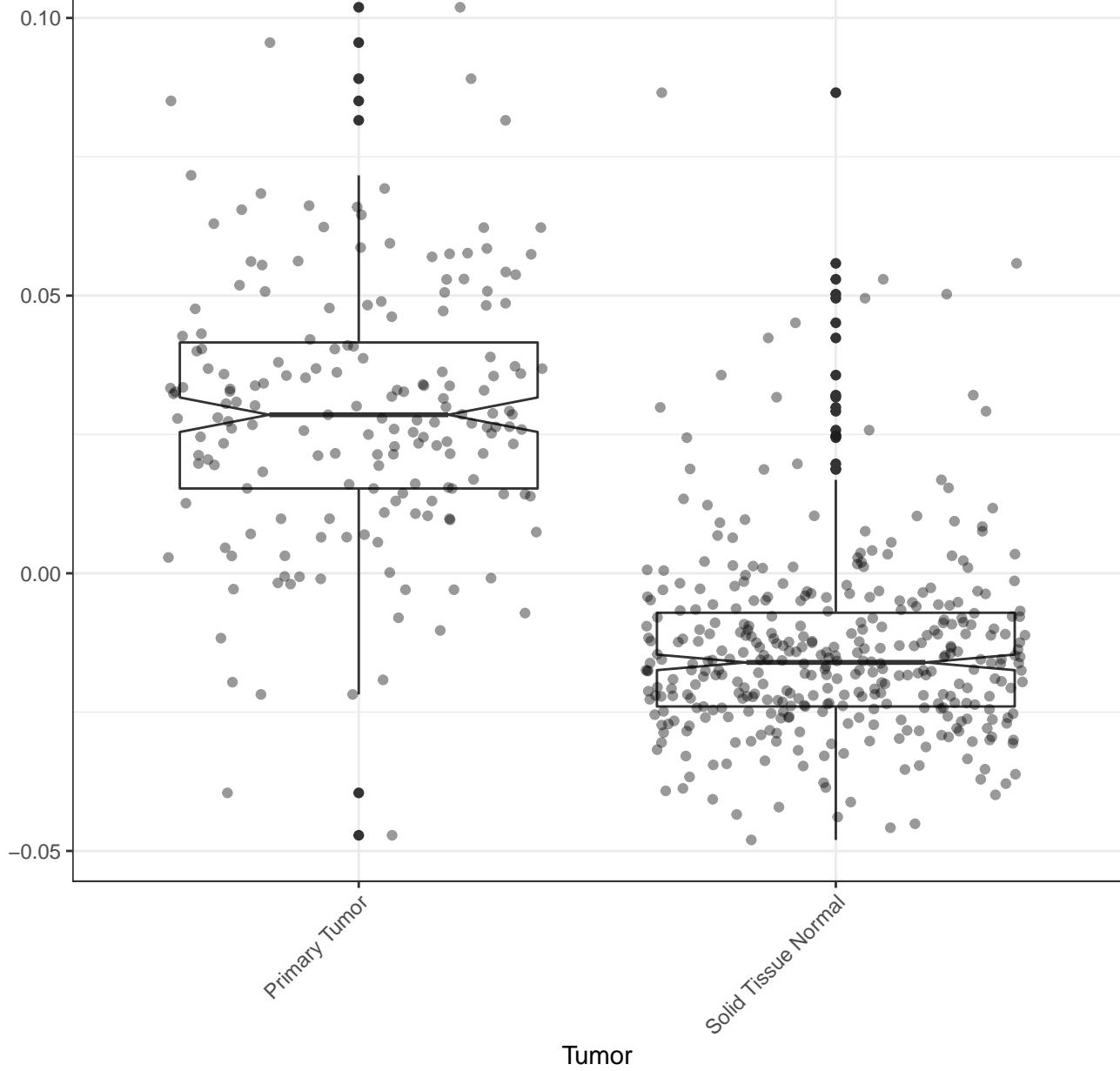
Tumor





LV 319

Value



Value

0.05

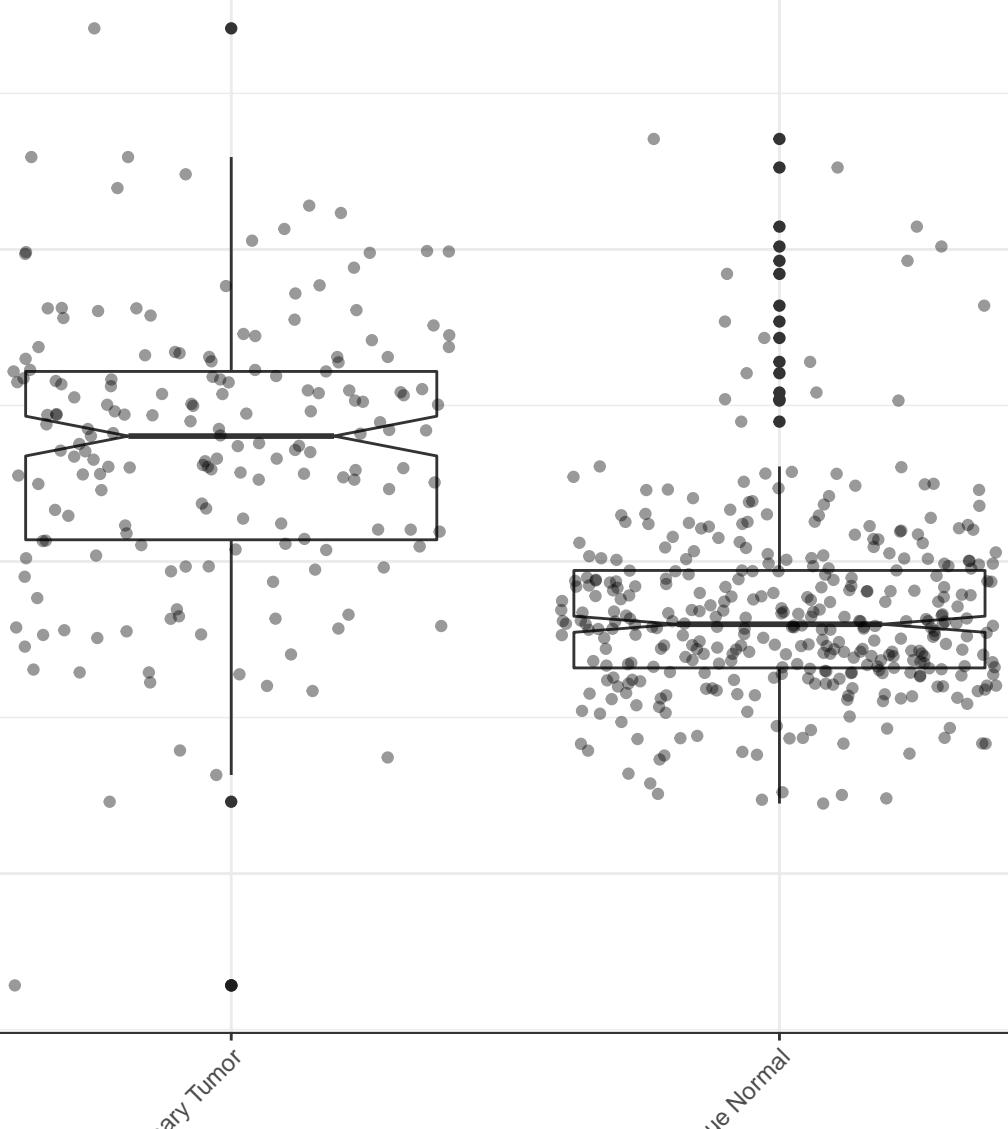
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



321,KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION

Value

0.2

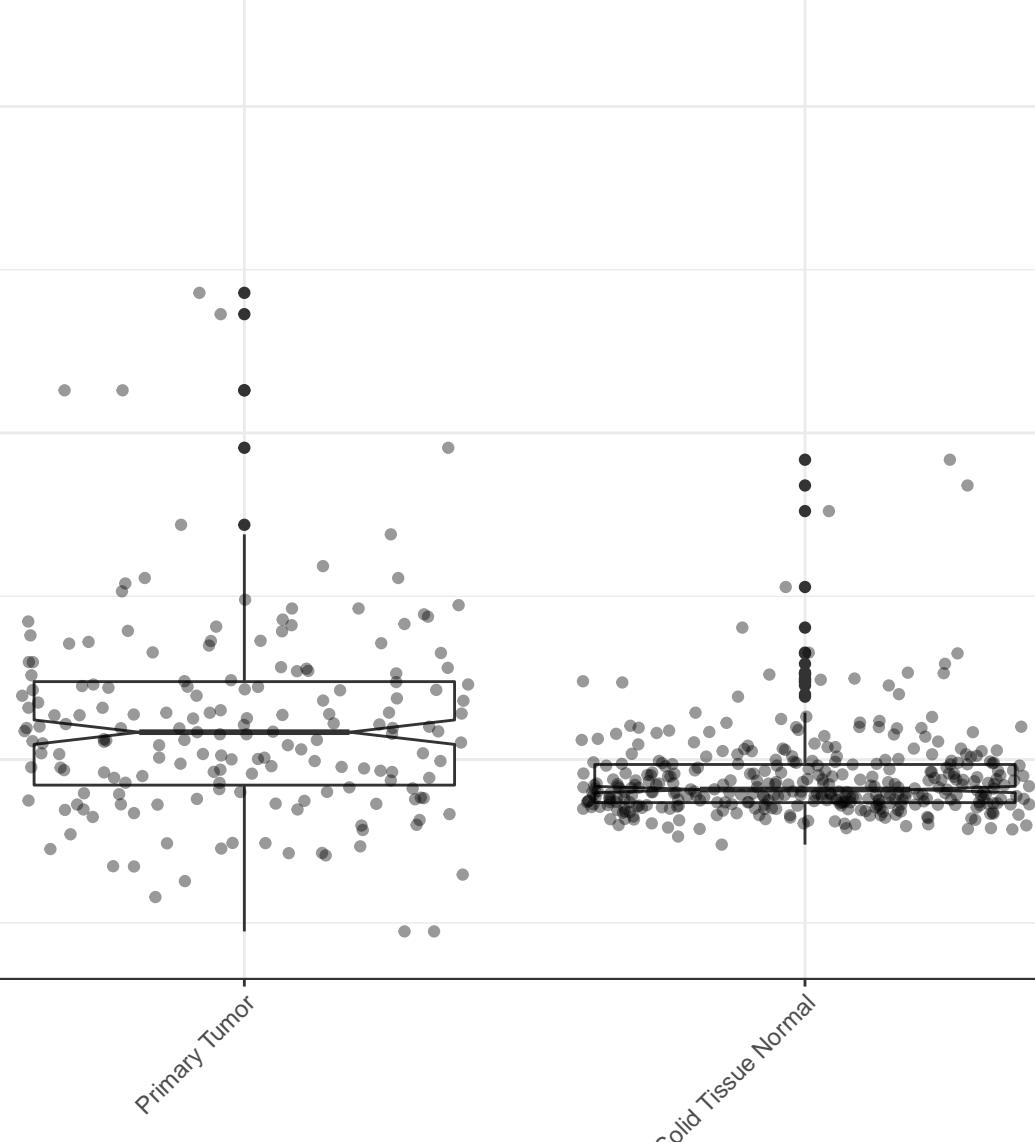
0.1

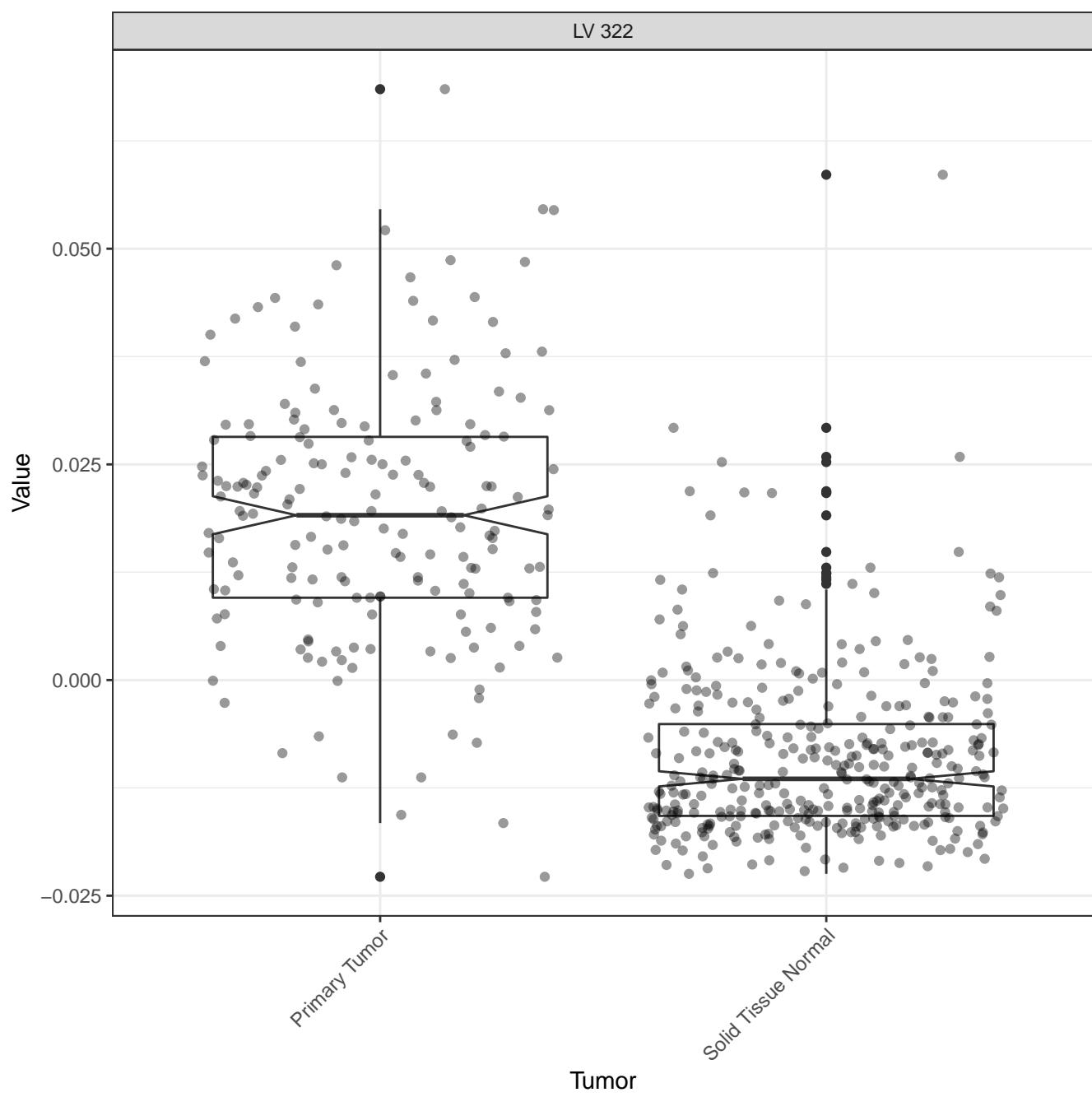
0.0

Primary Tumor

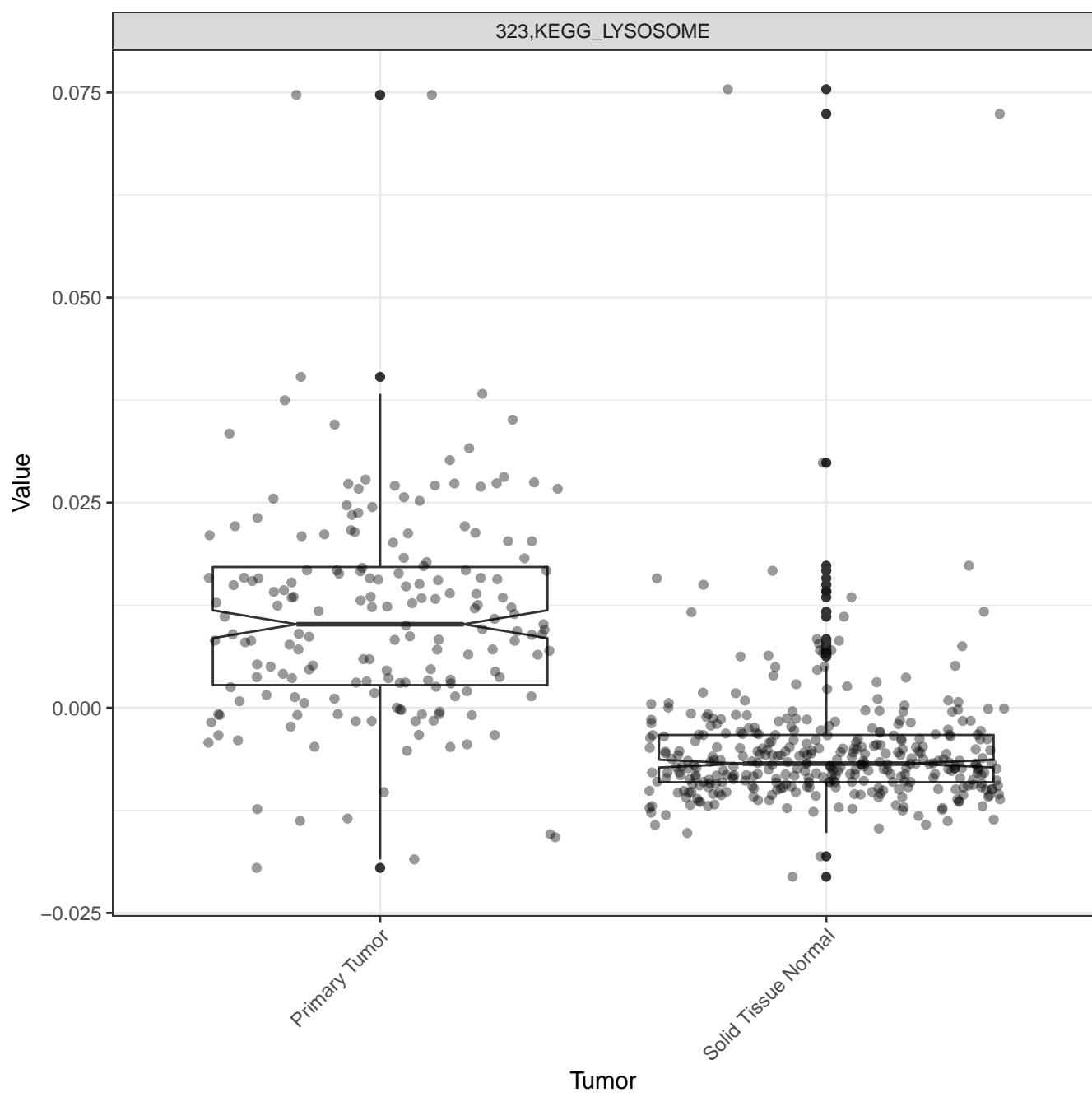
Solid Tissue Normal

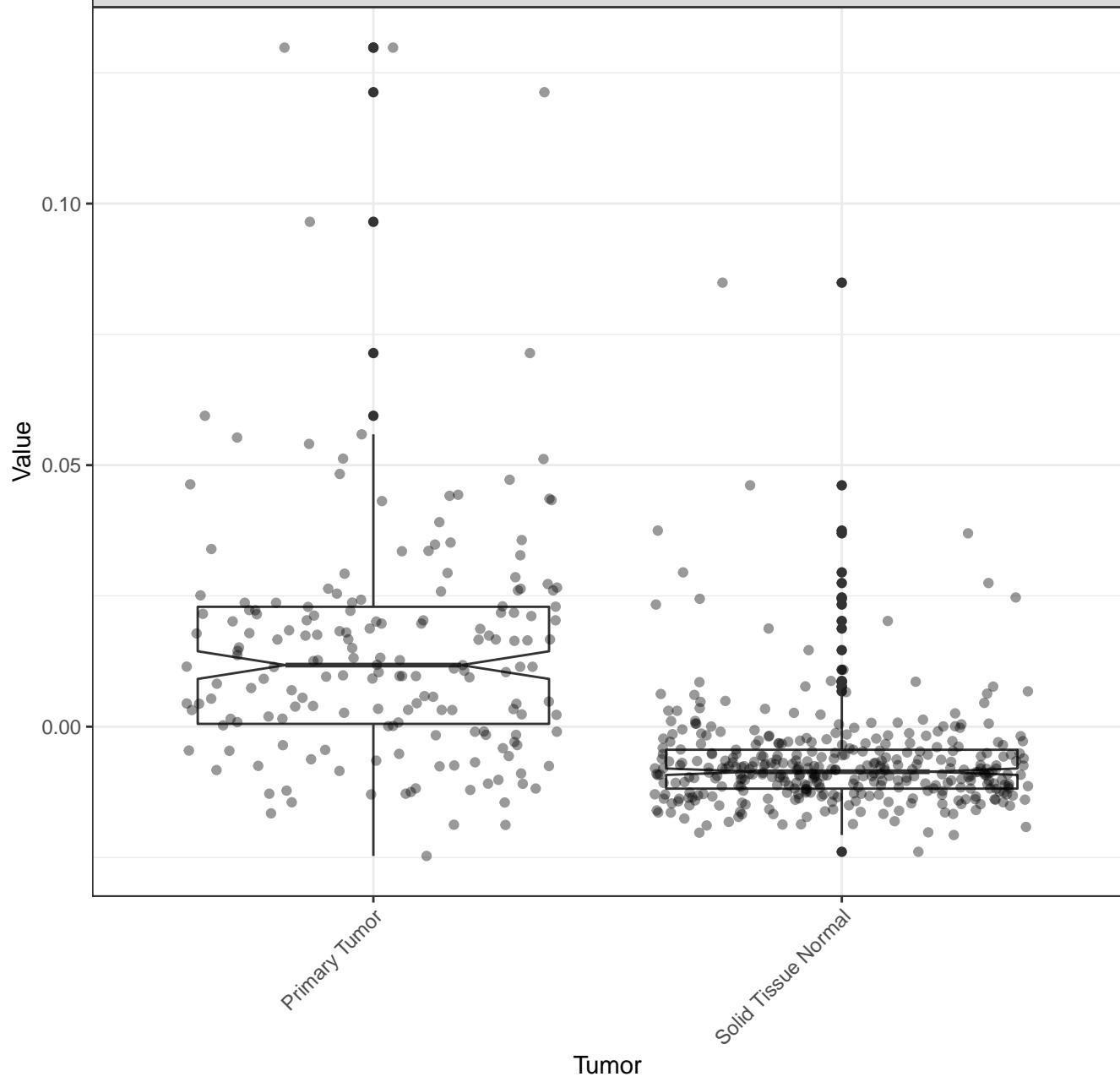
Tumor





323,KEGG_LYSOSOME





325,REACTOME_NEURONAL_SYSTEM

Value

0.15

0.10

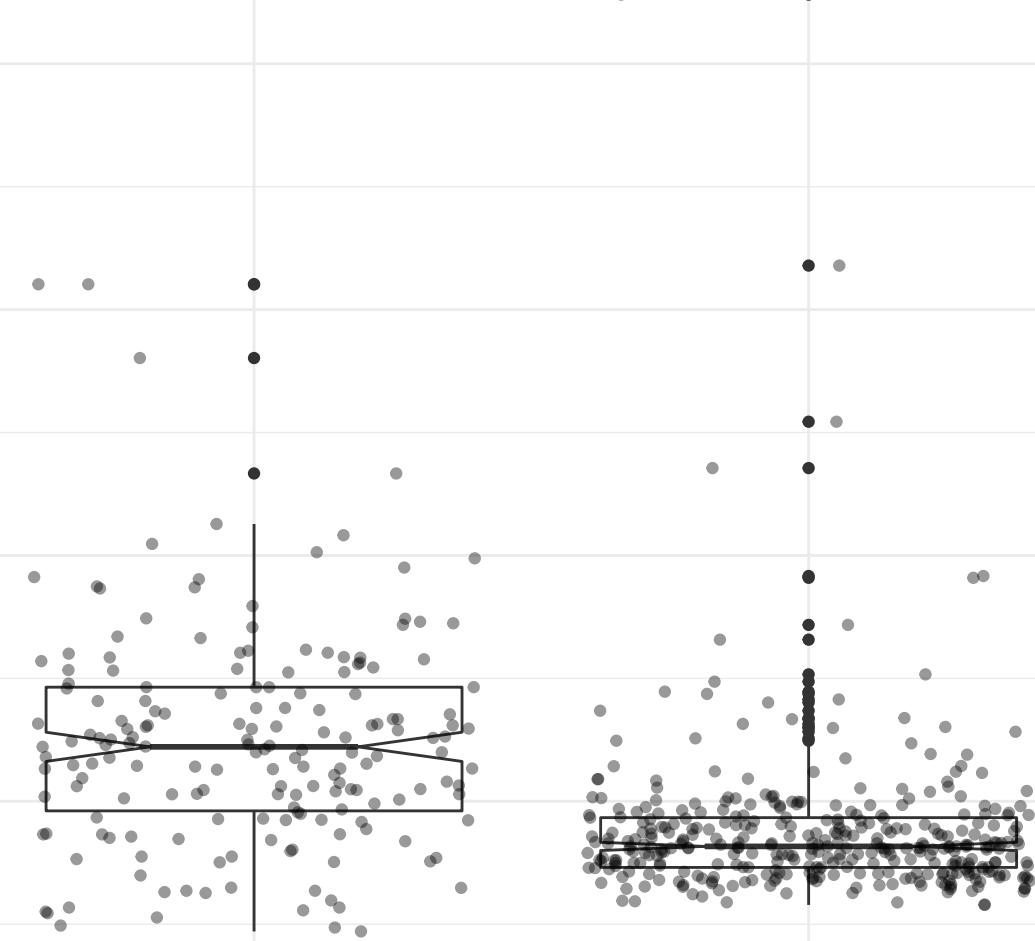
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.08

0.04

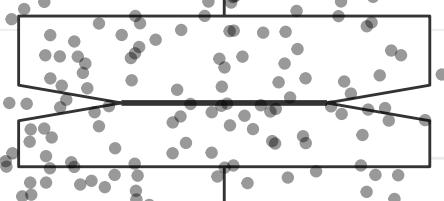
0.00

-0.04

Primary Tumor

Solid Tissue Normal

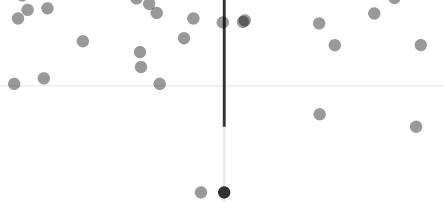
Tumor

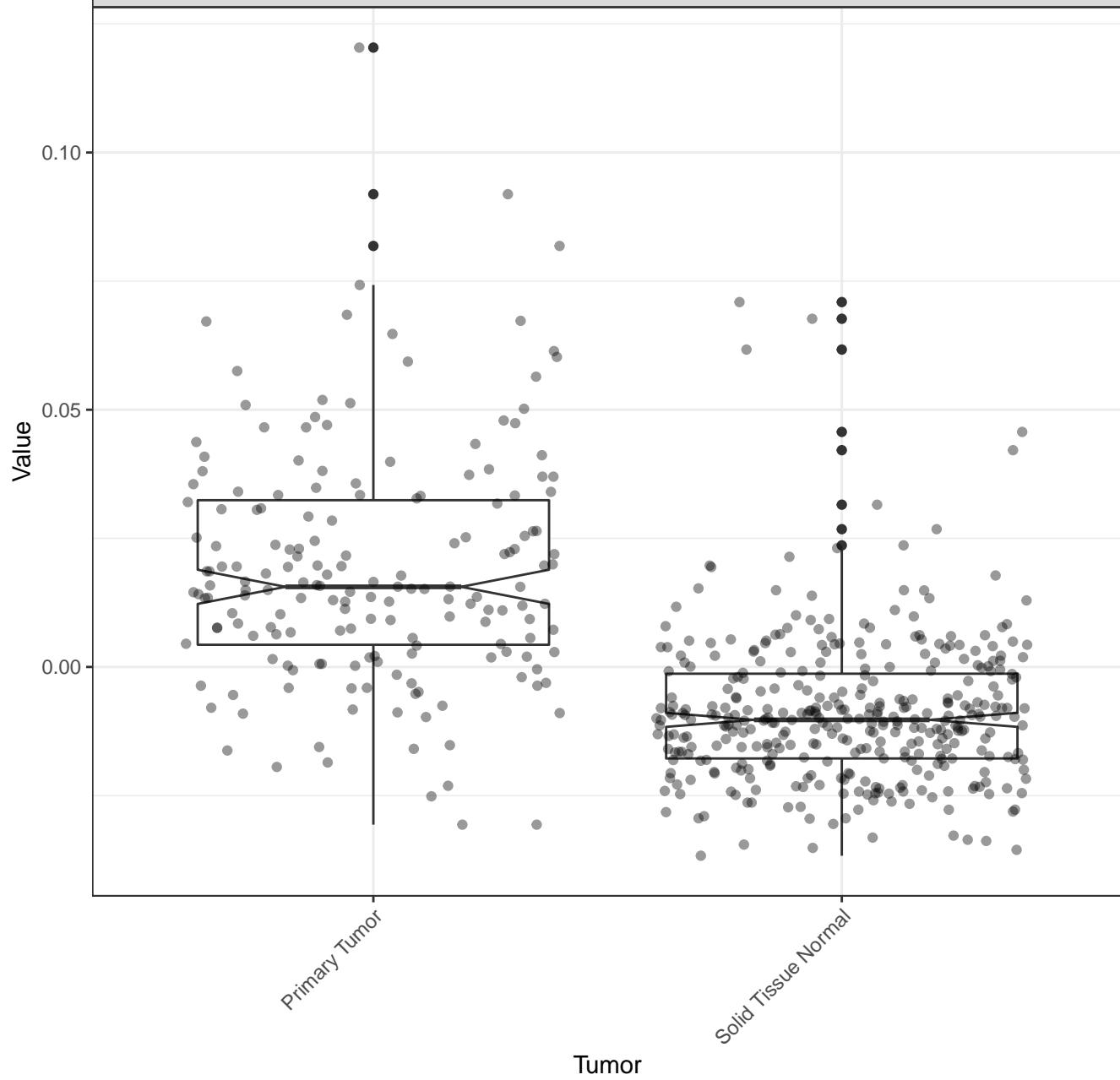


Primary Tumor

Solid Tissue Normal

Tumor





328,REACTOME_CLASS_B_2_SECRETIN_FAMILY_RECEPTEORS

Value

0.15

0.10

0.05

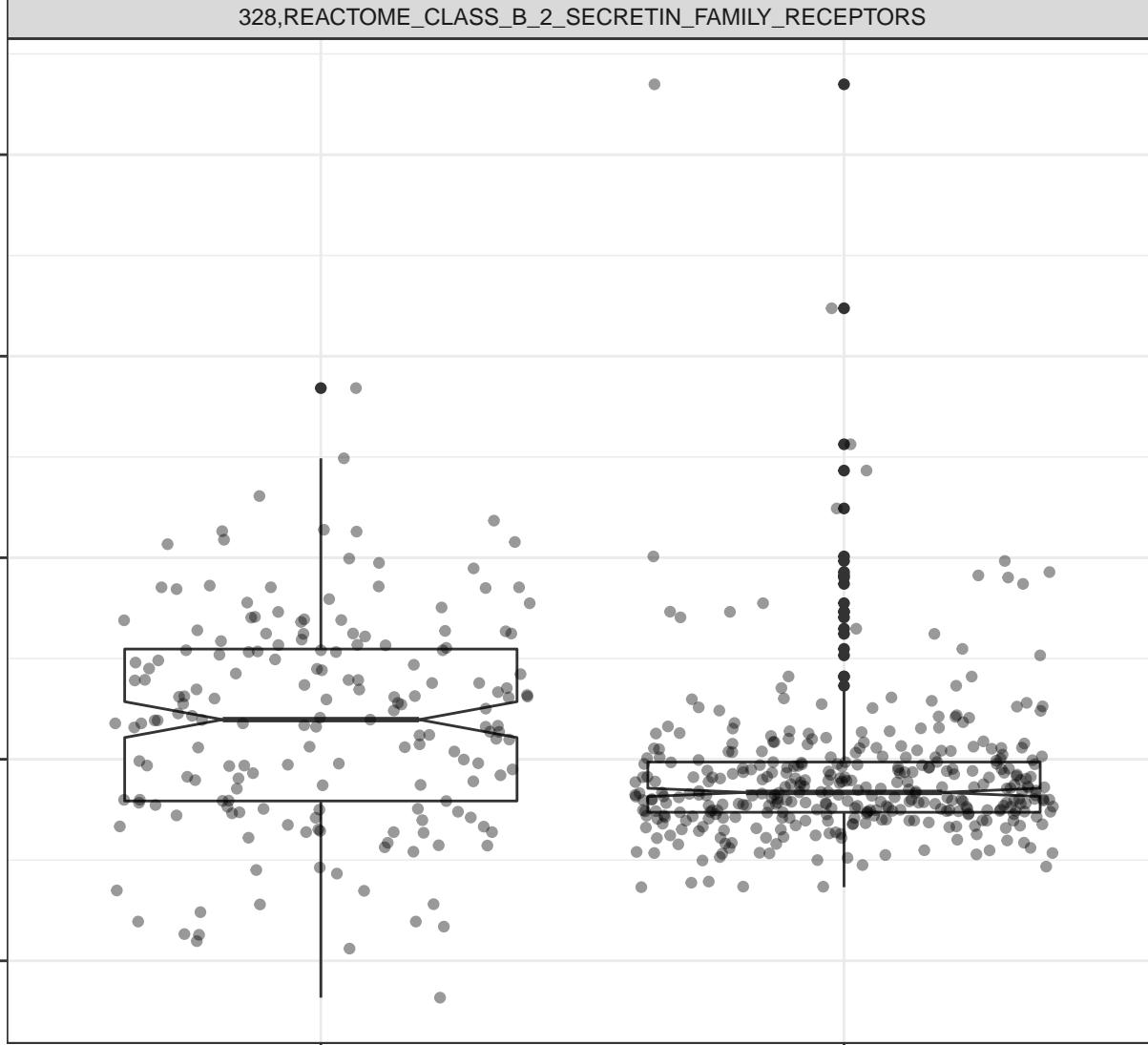
0.00

-0.05

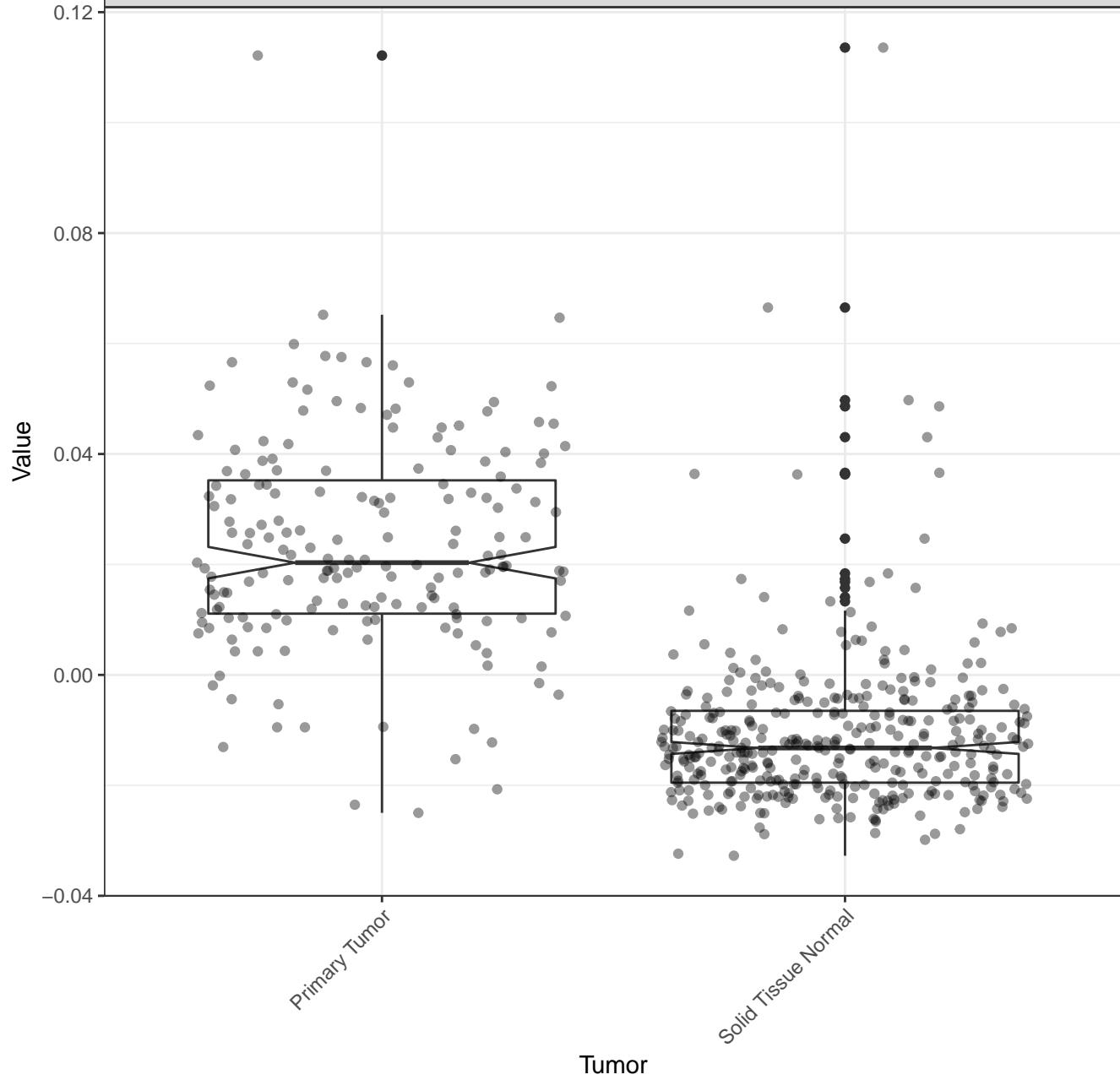
Primary Tumor

Solid Tissue Normal

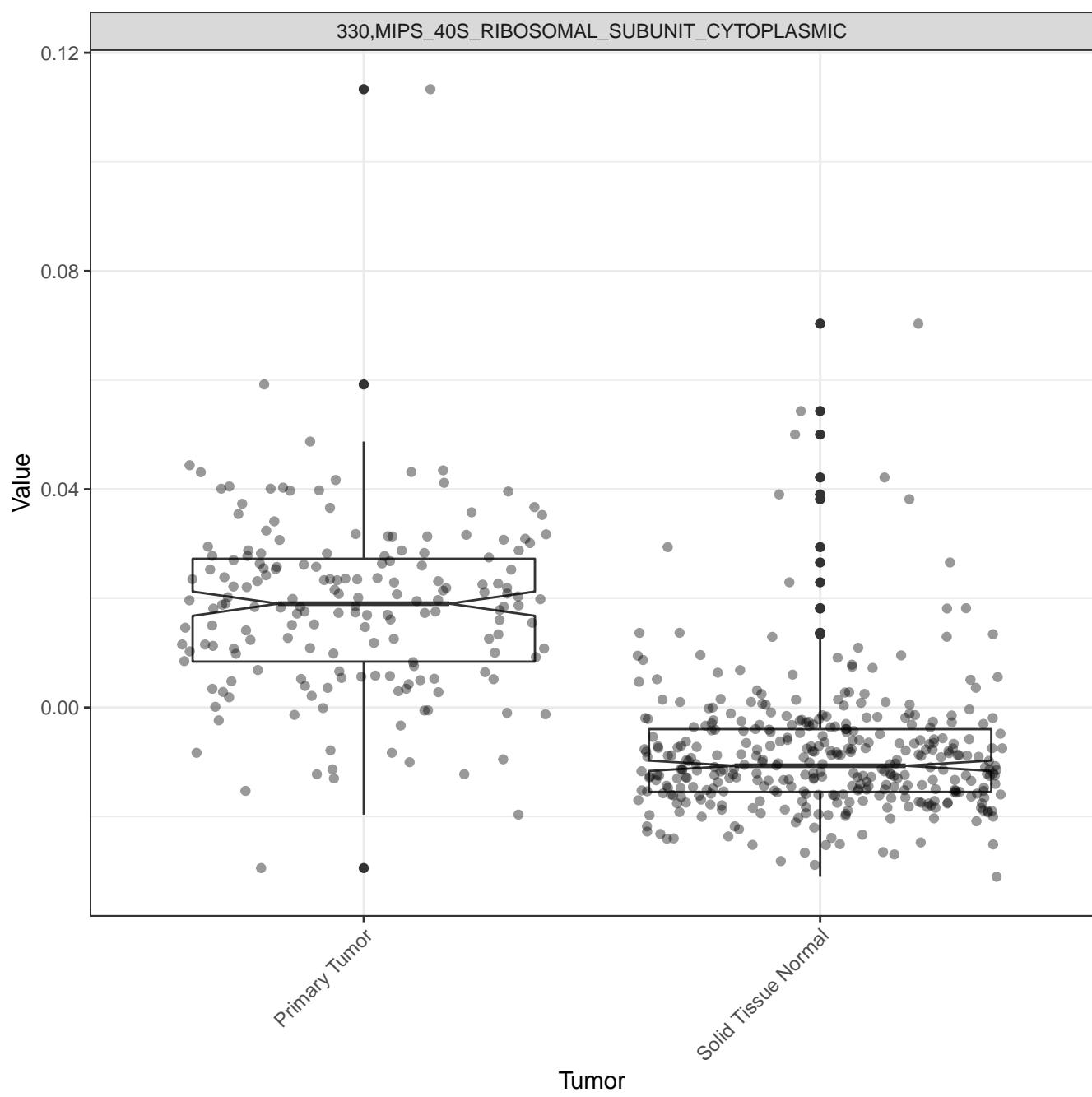
Tumor



329,KEGG_MAPK_SIGNALING_PATHWAY



330,MIPS_40S_RIBOSOMAL_SUBUNIT_CYTOPLASMIC



331,DMAP_ERY3

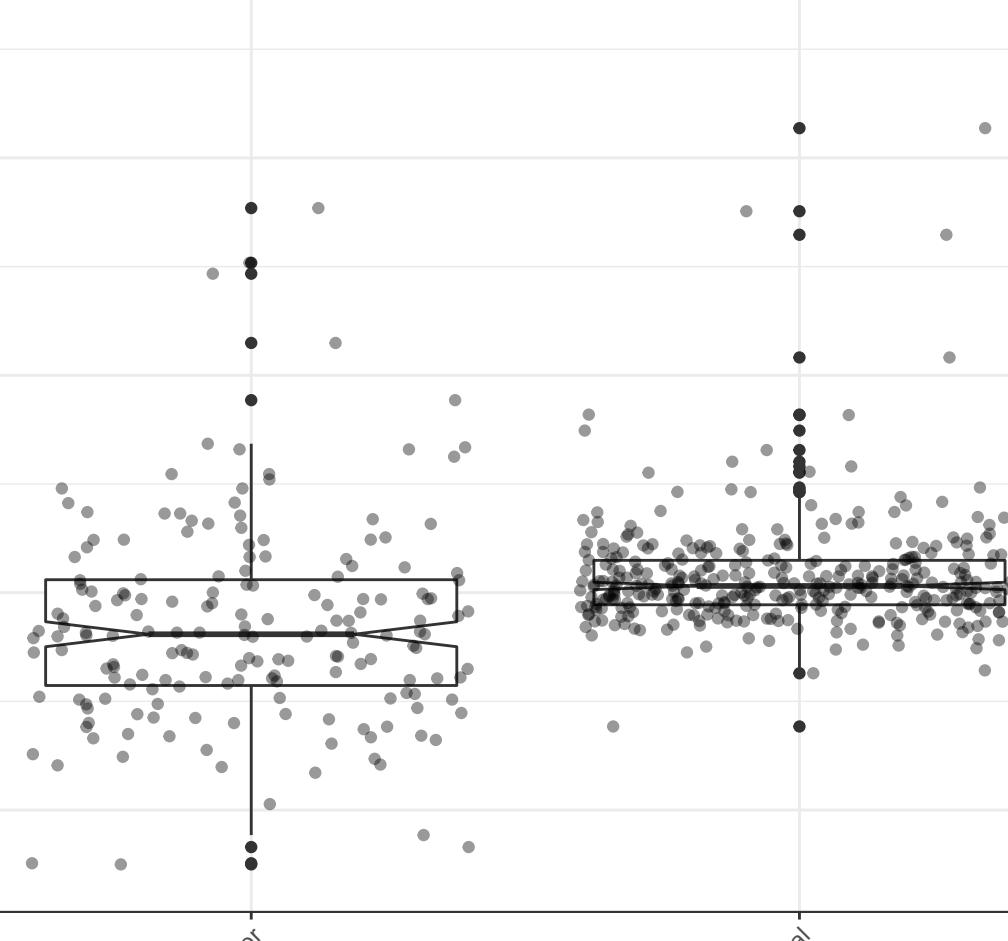
Value

0.15
0.10
0.05
0.00
-0.05

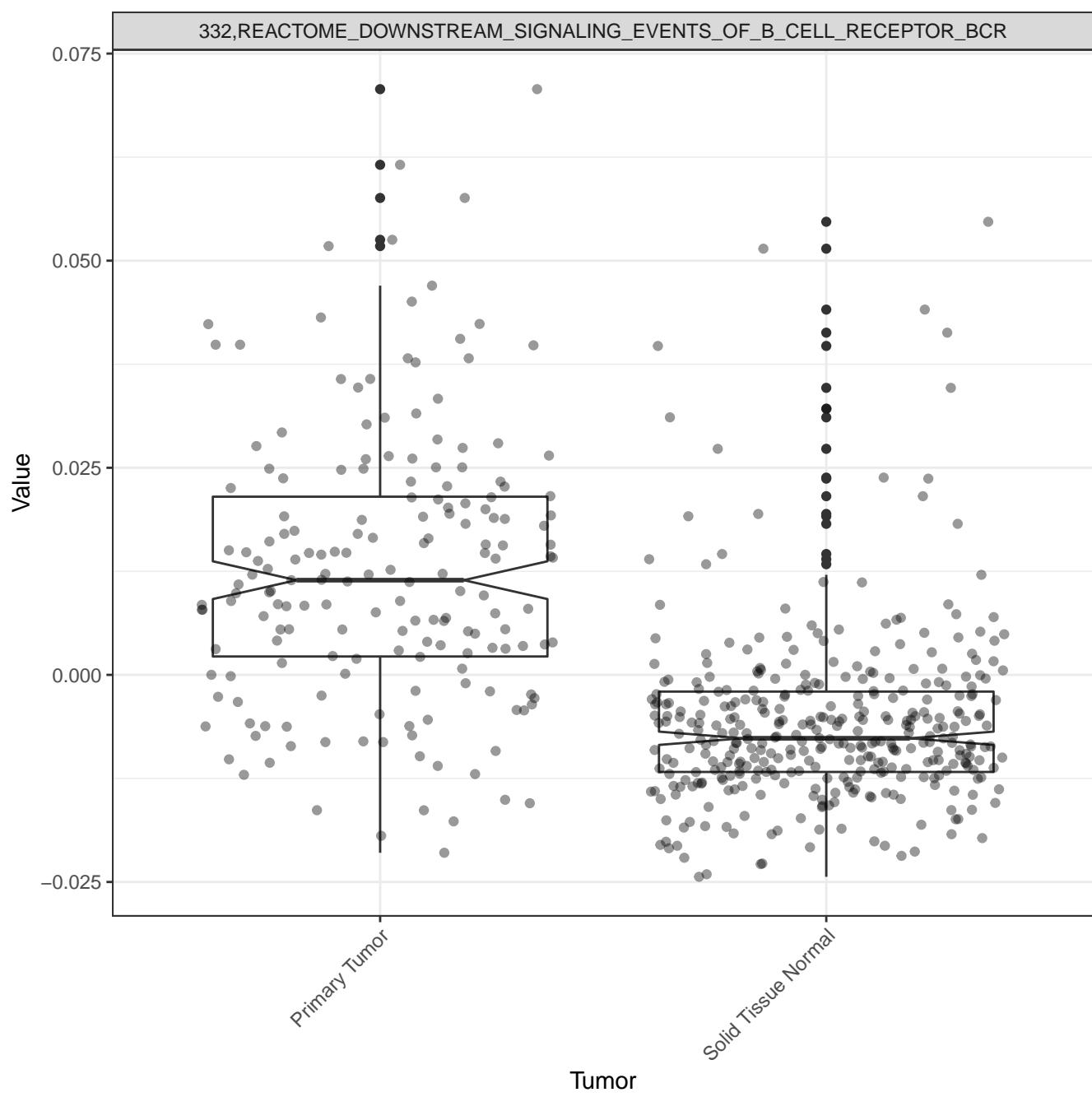
Primary Tumor

Solid Tissue Normal

Tumor



332,REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPATOR_BCR



333,KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS

Value

0.04

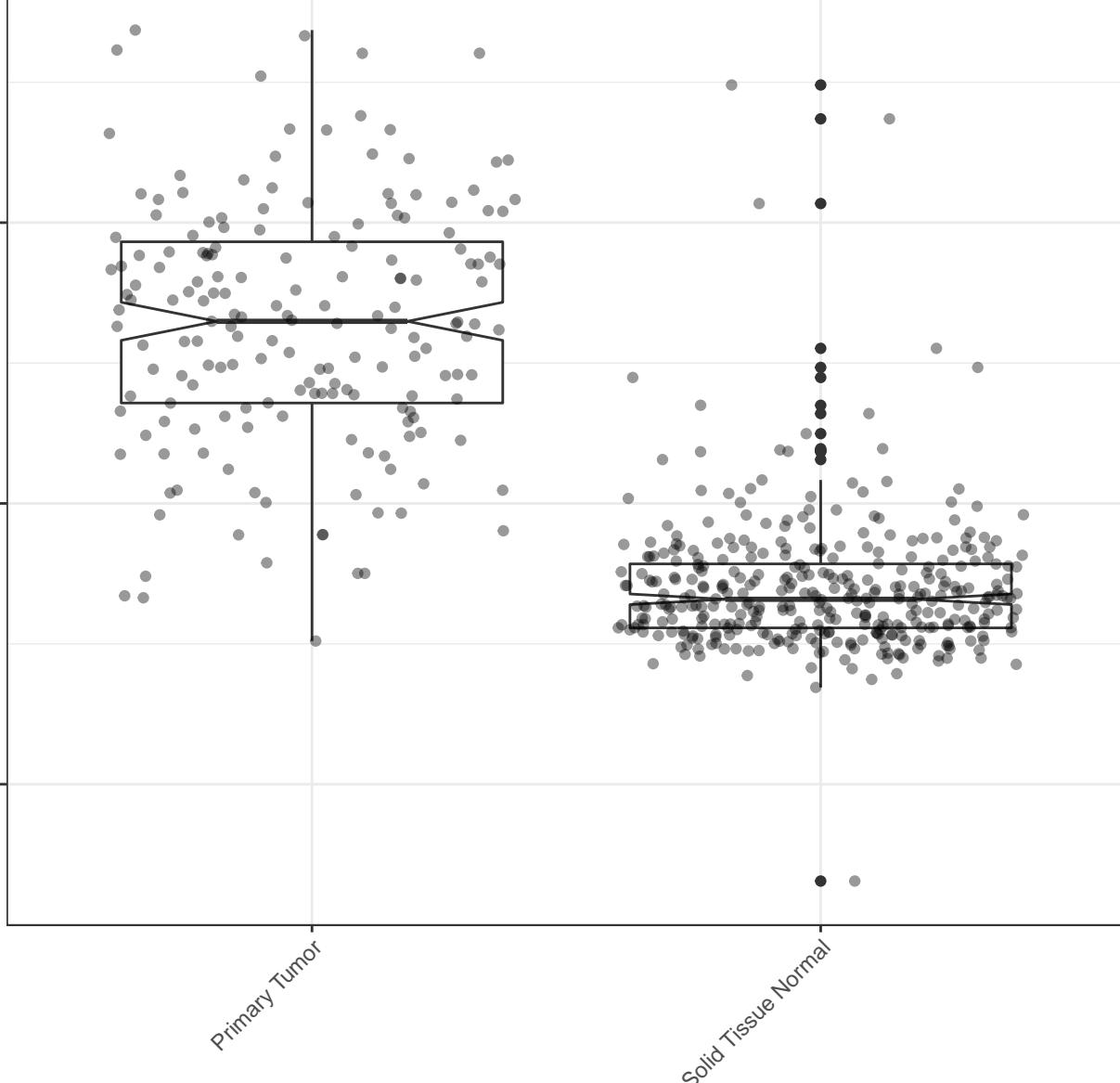
0.00

-0.04

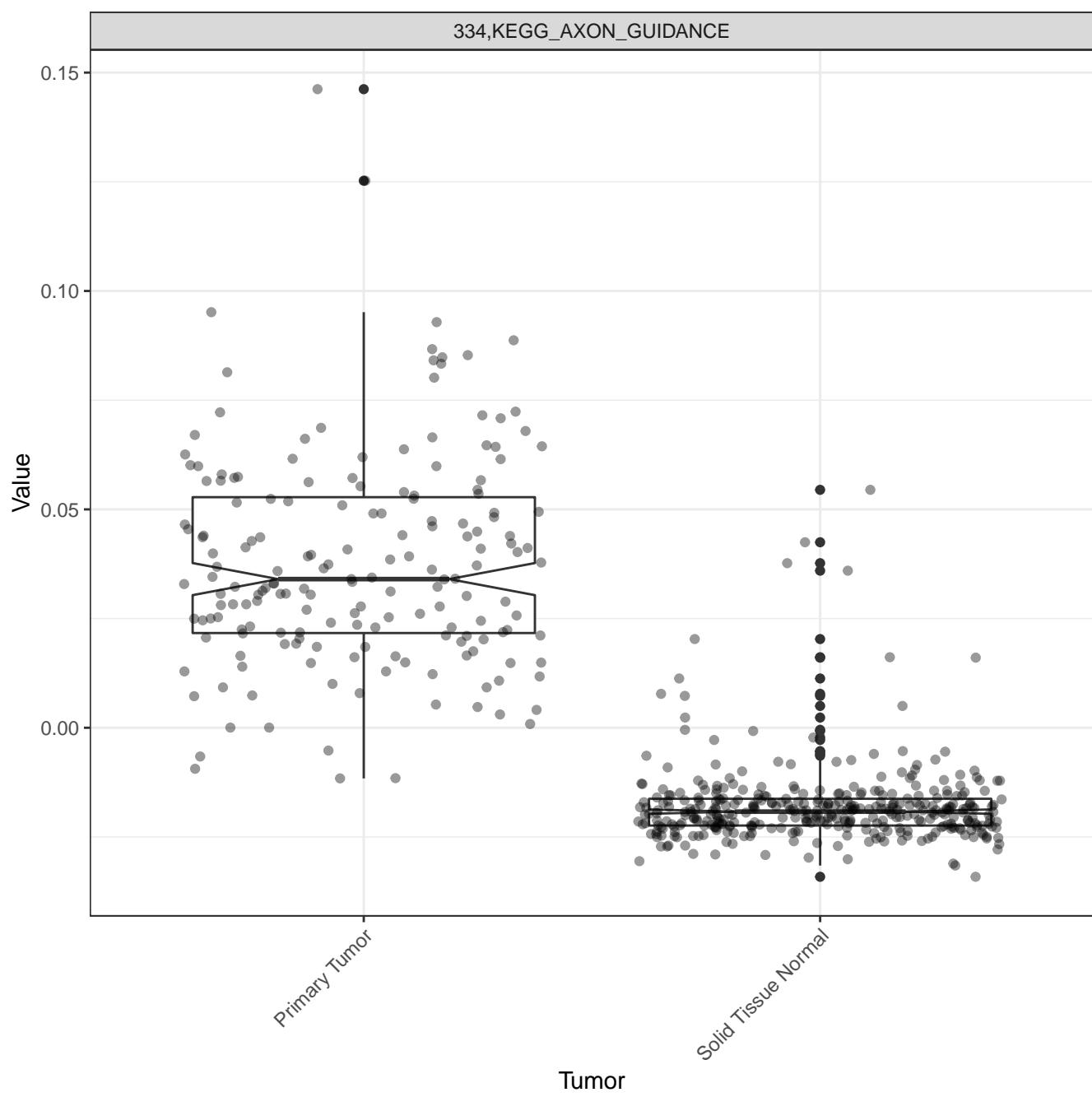
Primary Tumor

Tumor

Solid Tissue Normal



334,KEGG_AXON_GUIDANCE



335,KEGG_ADHERENS_JUNCTION

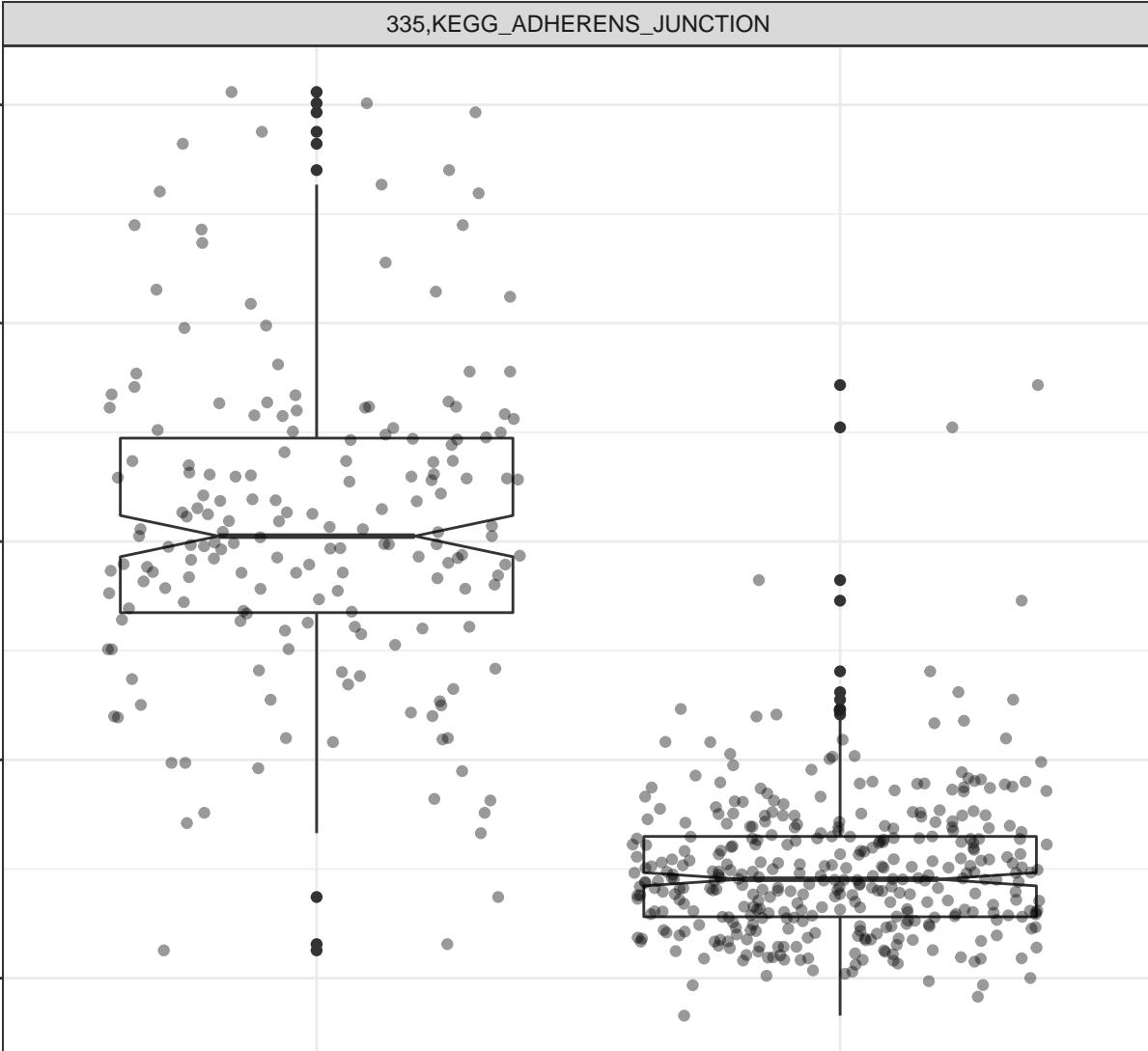
Value

0.075
0.050
0.025
0.000
-0.025

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.10

0.05

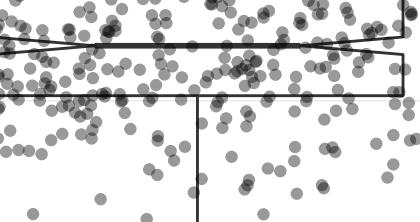
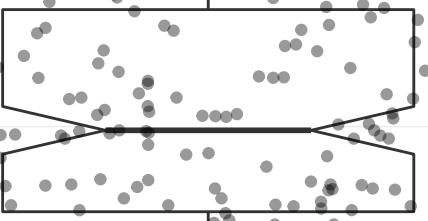
0.00

-0.05

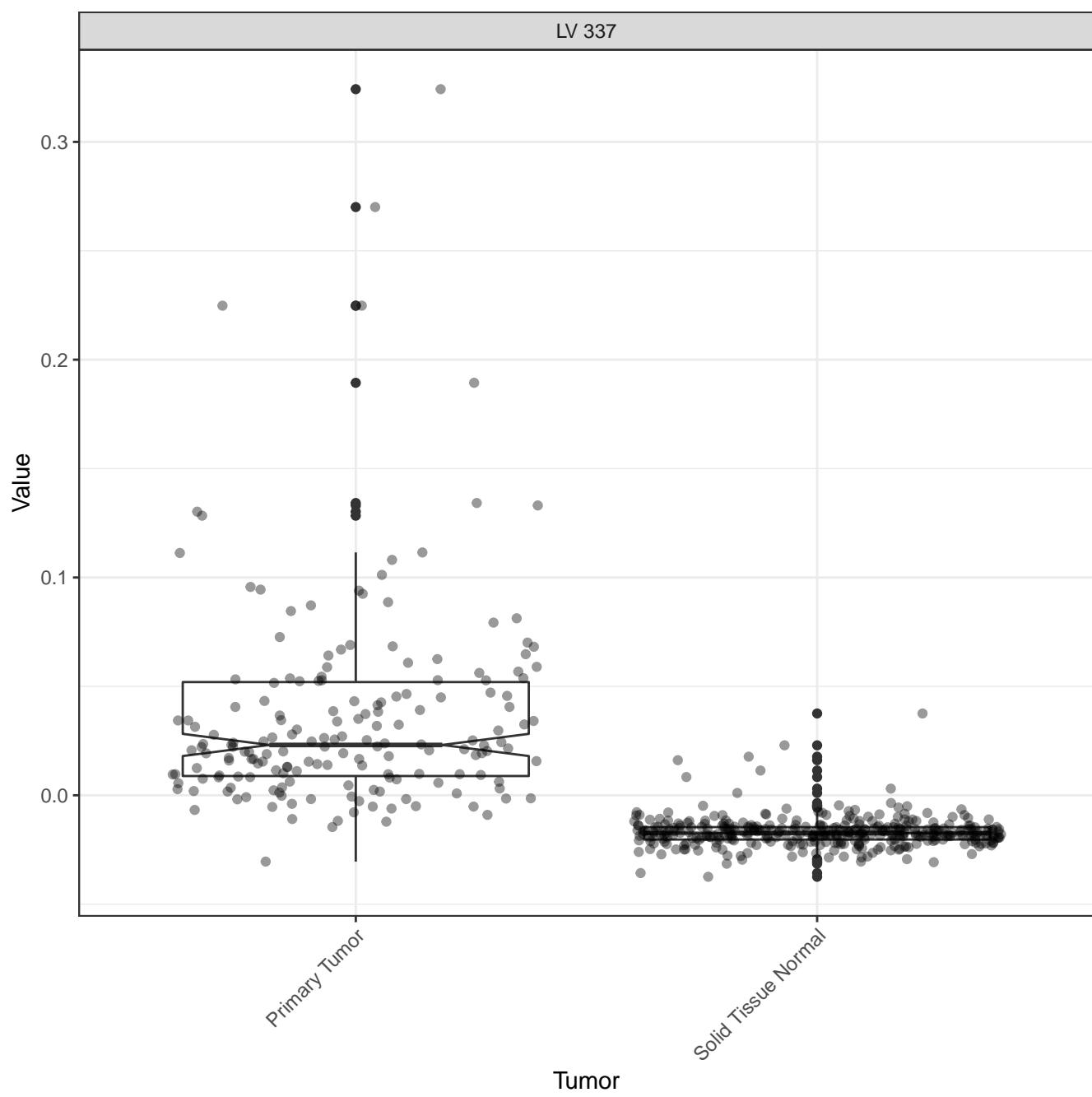
Primary Tumor

Solid Tissue Normal

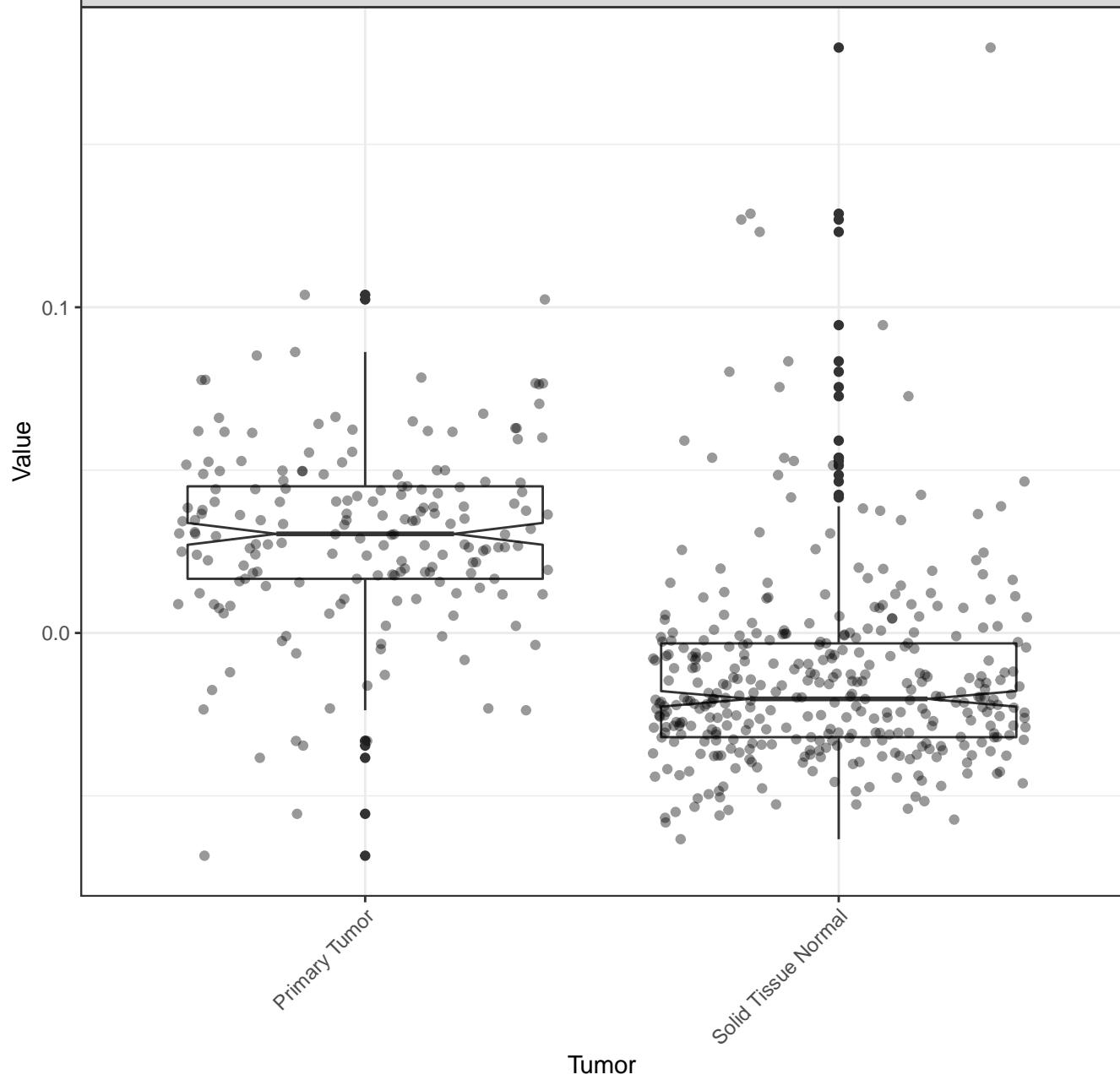
Tumor



LV 337



338,MIPS_SPLICEOSOME



339,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

Value

0.3

0.2

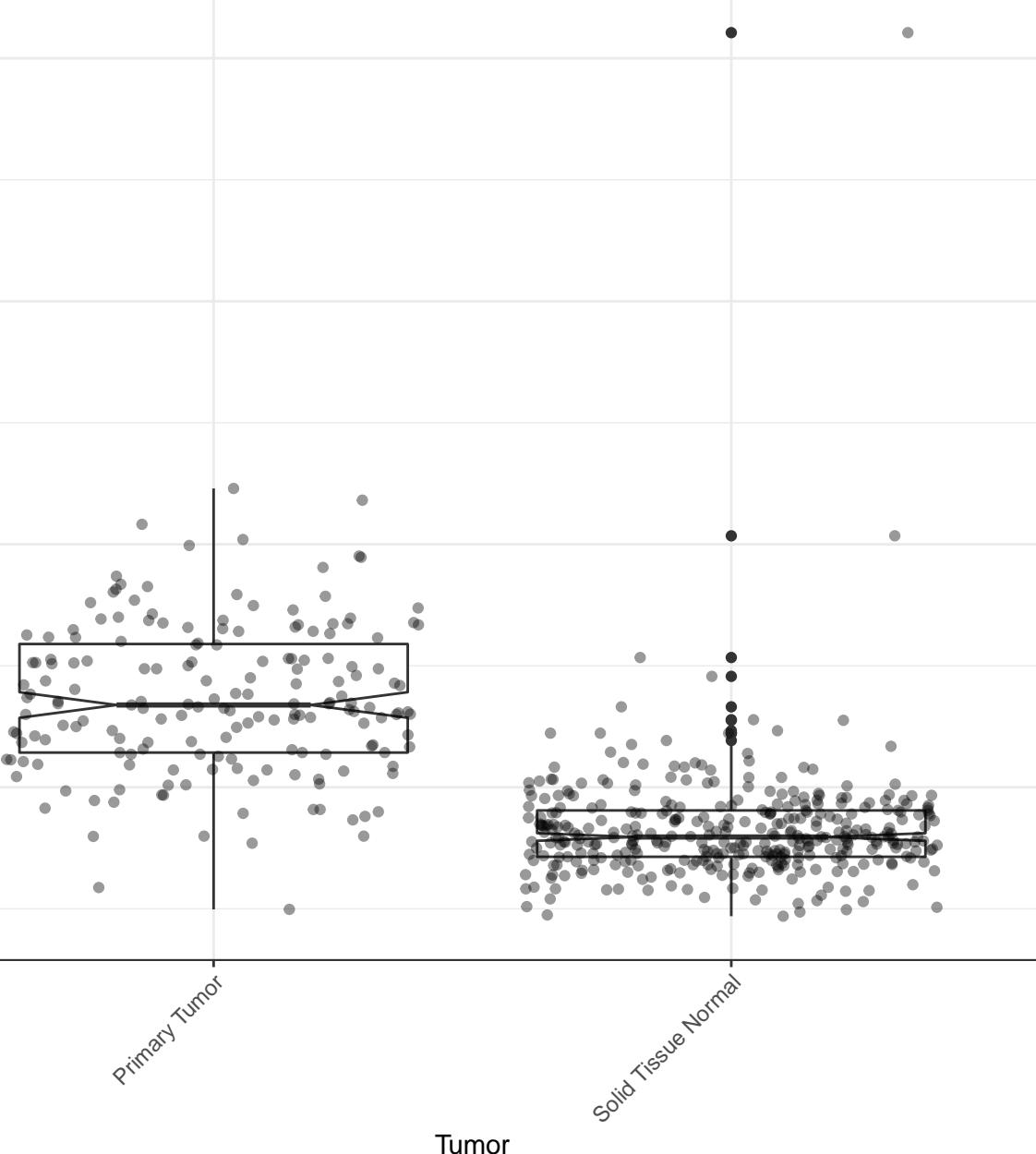
0.1

0.0

Primary Tumor

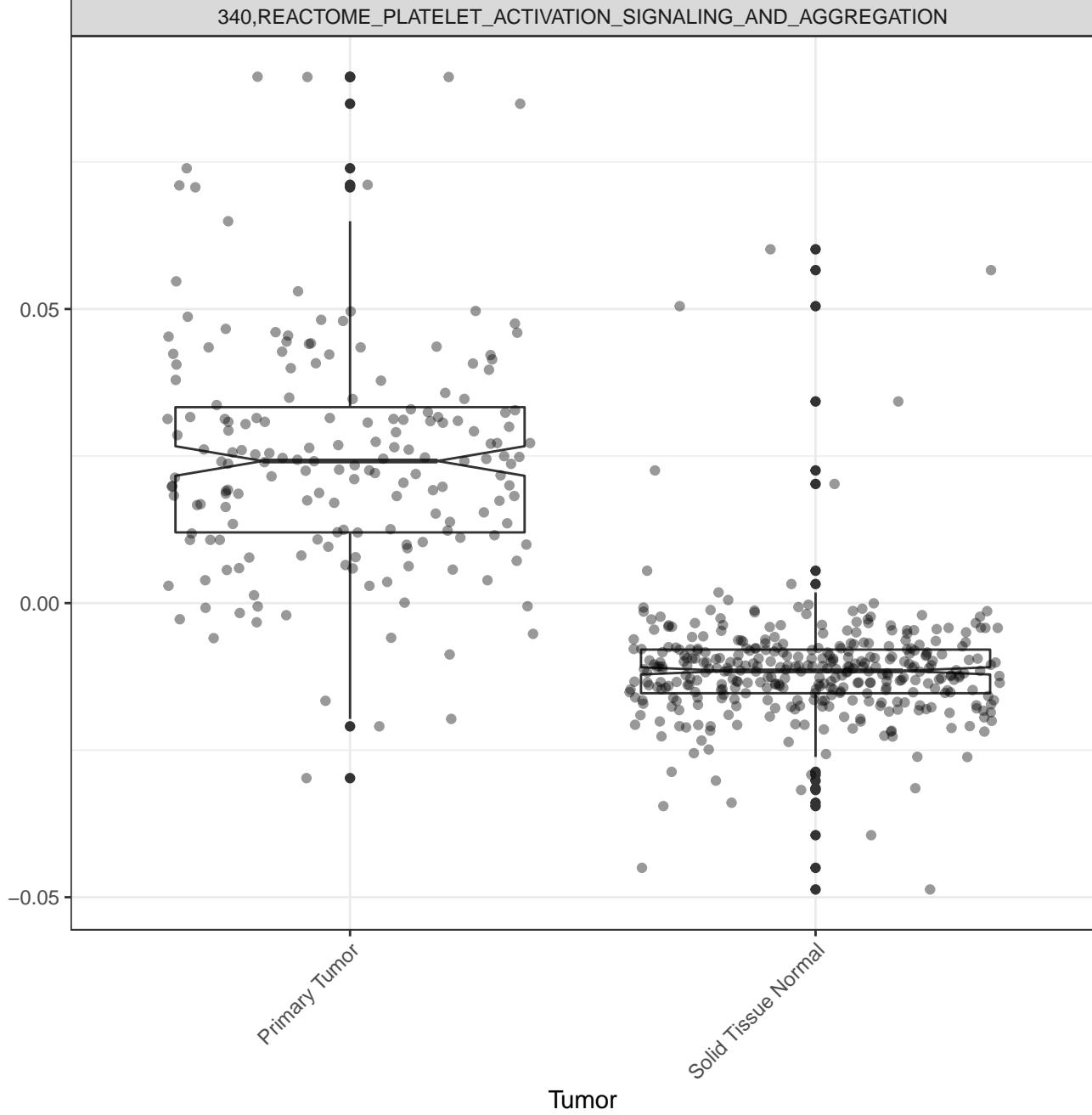
Solid Tissue Normal

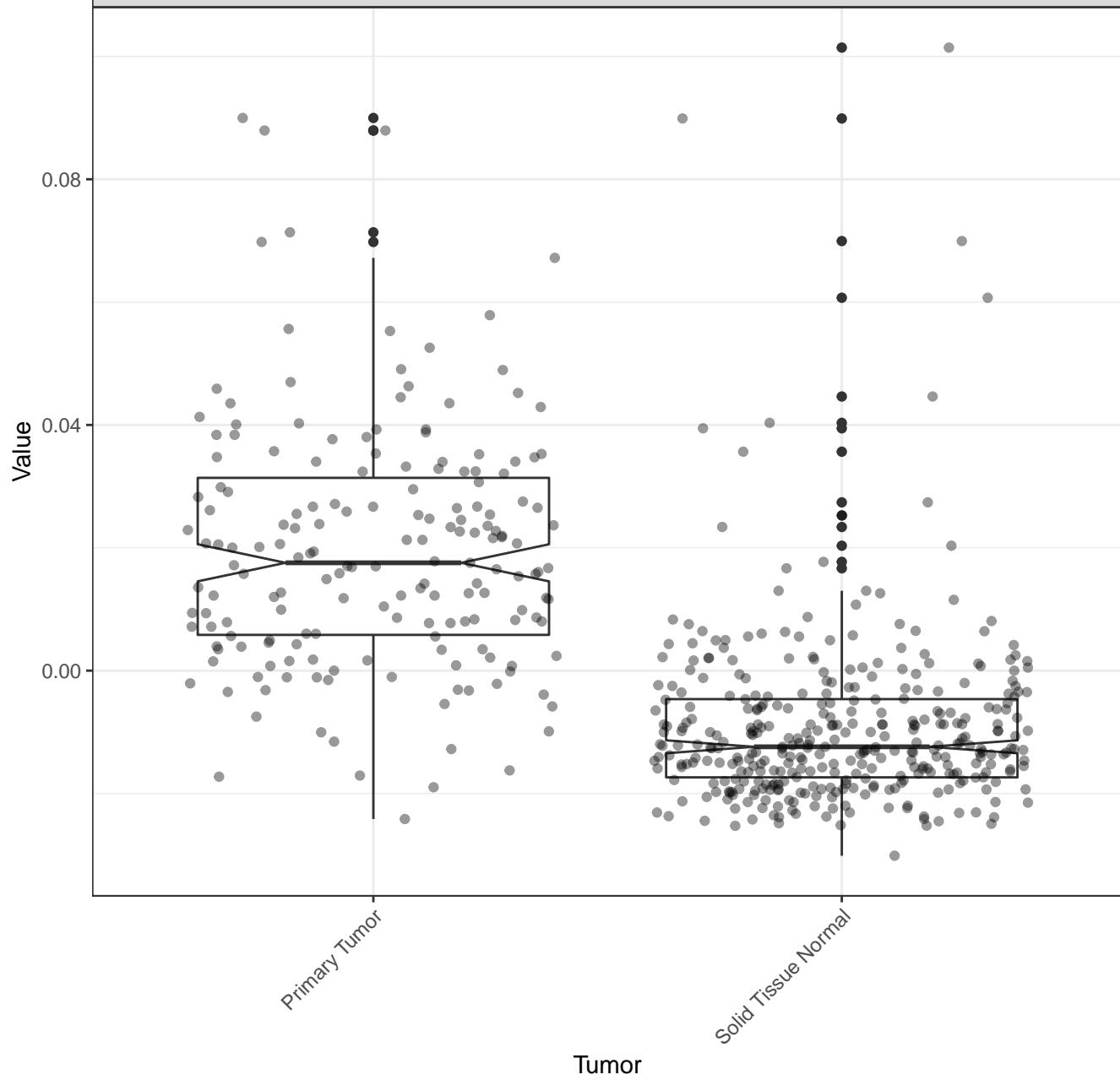
Tumor



340,REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGREGATION

Value





Value

0.10

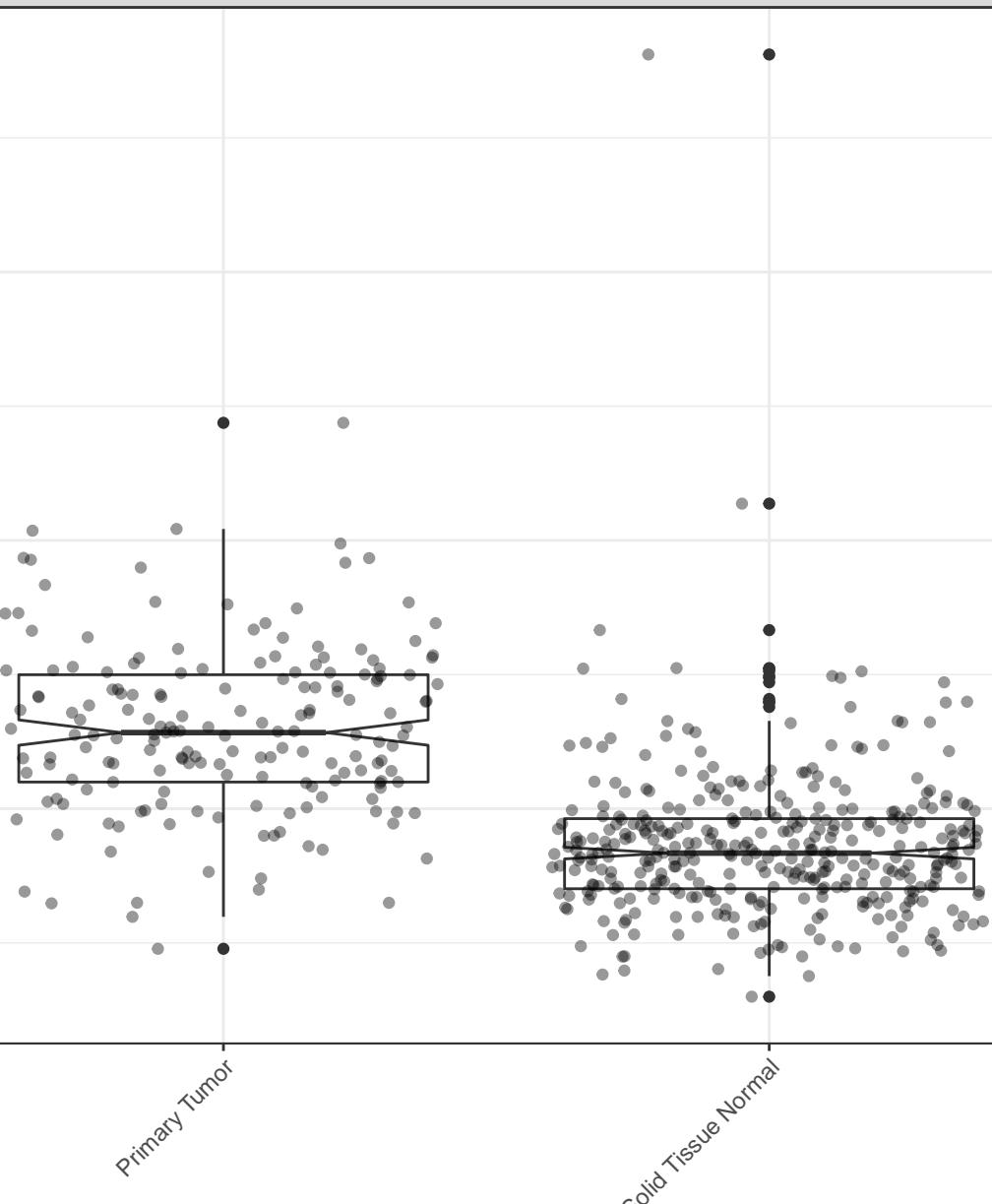
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



343,KEGG_REGULATION_OF_ACTIN_CYTOSKELETON

Value

0.10

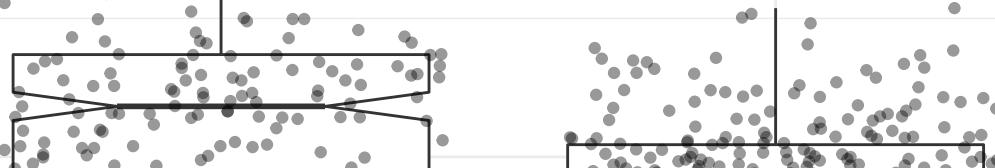
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



LV 344

Value

0.075

0.050

0.025

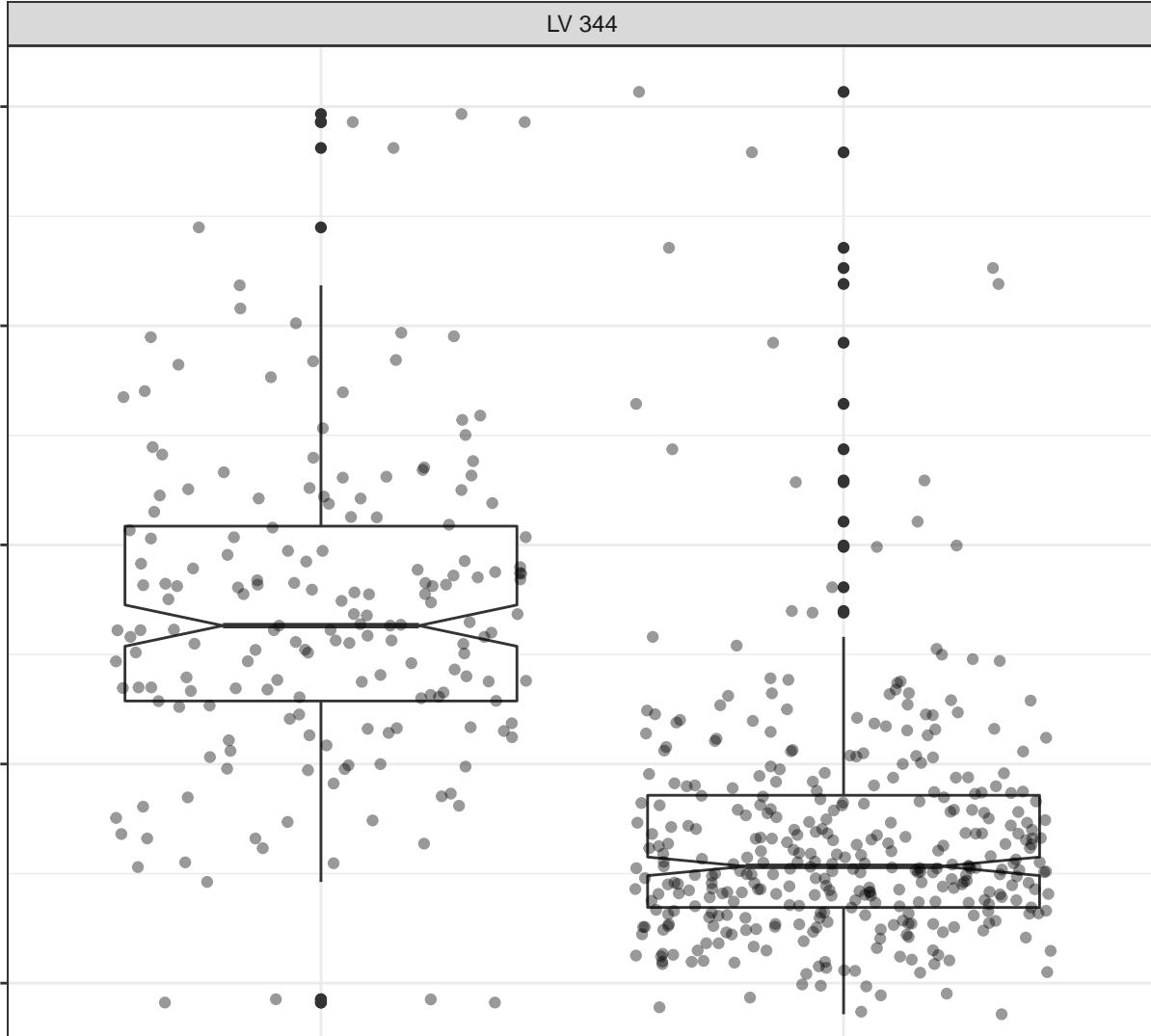
0.000

-0.025

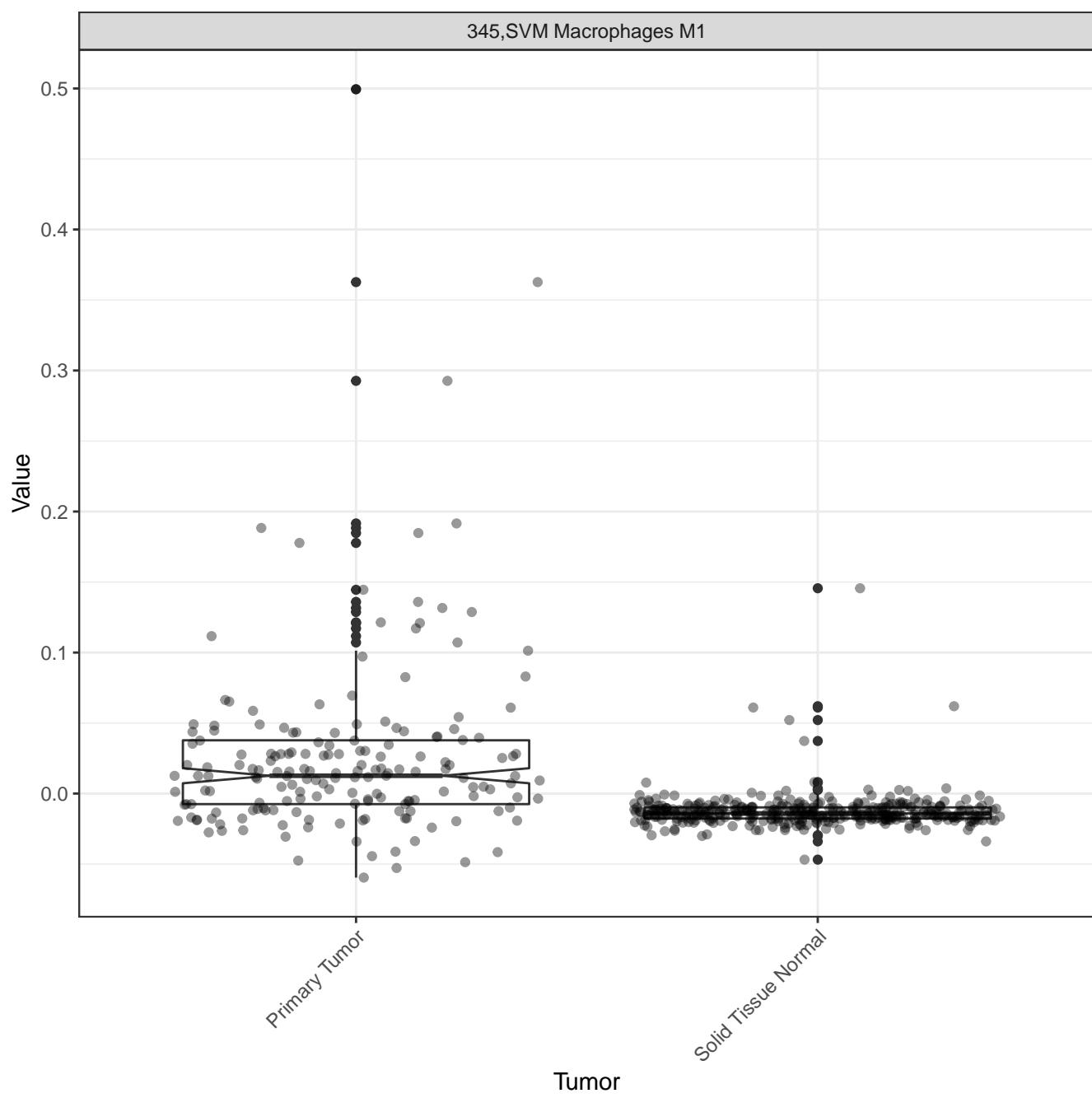
Primary Tumor

Solid Tissue Normal

Tumor



345,SVM Macrophages M1



LV 346

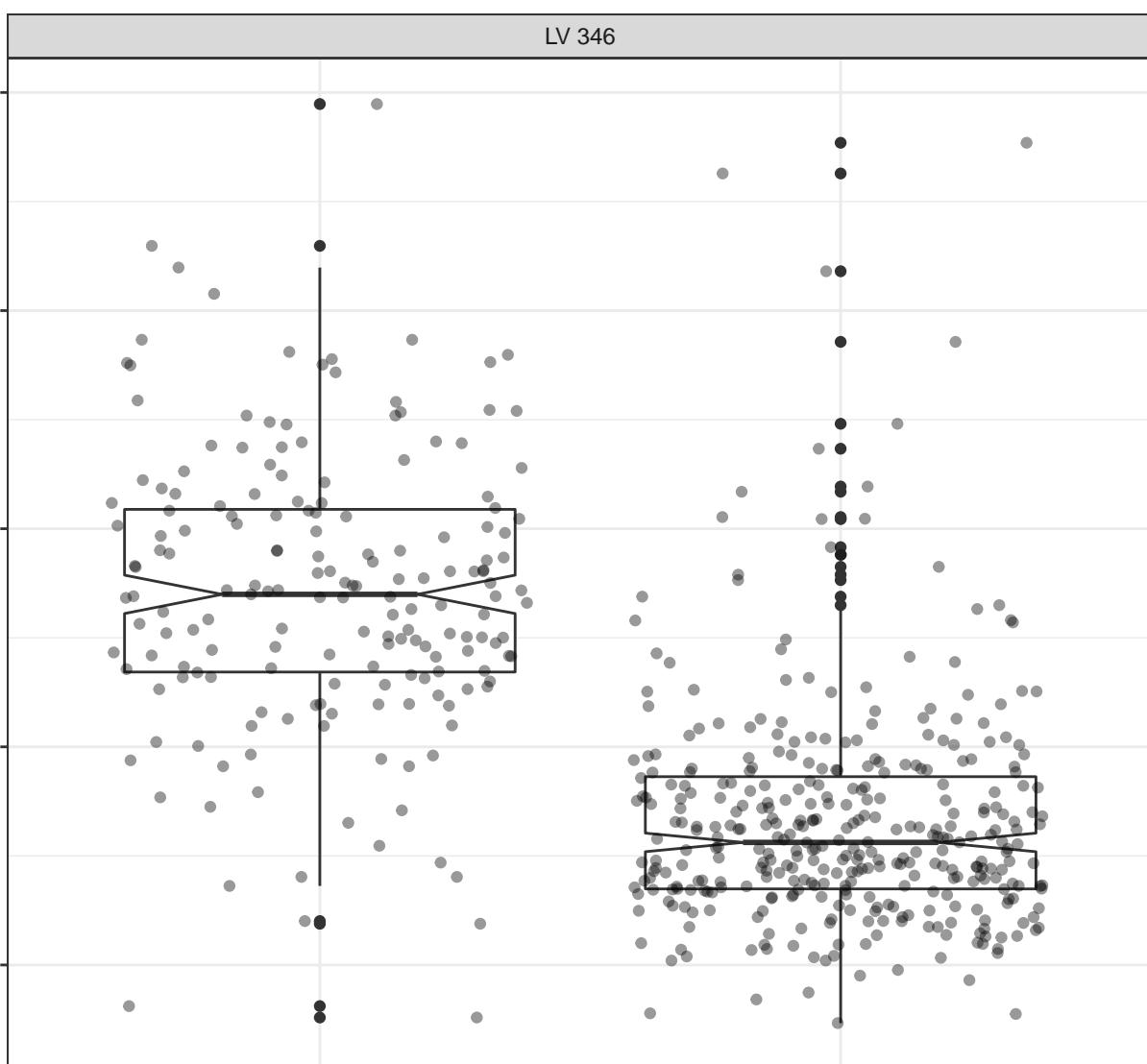
Value

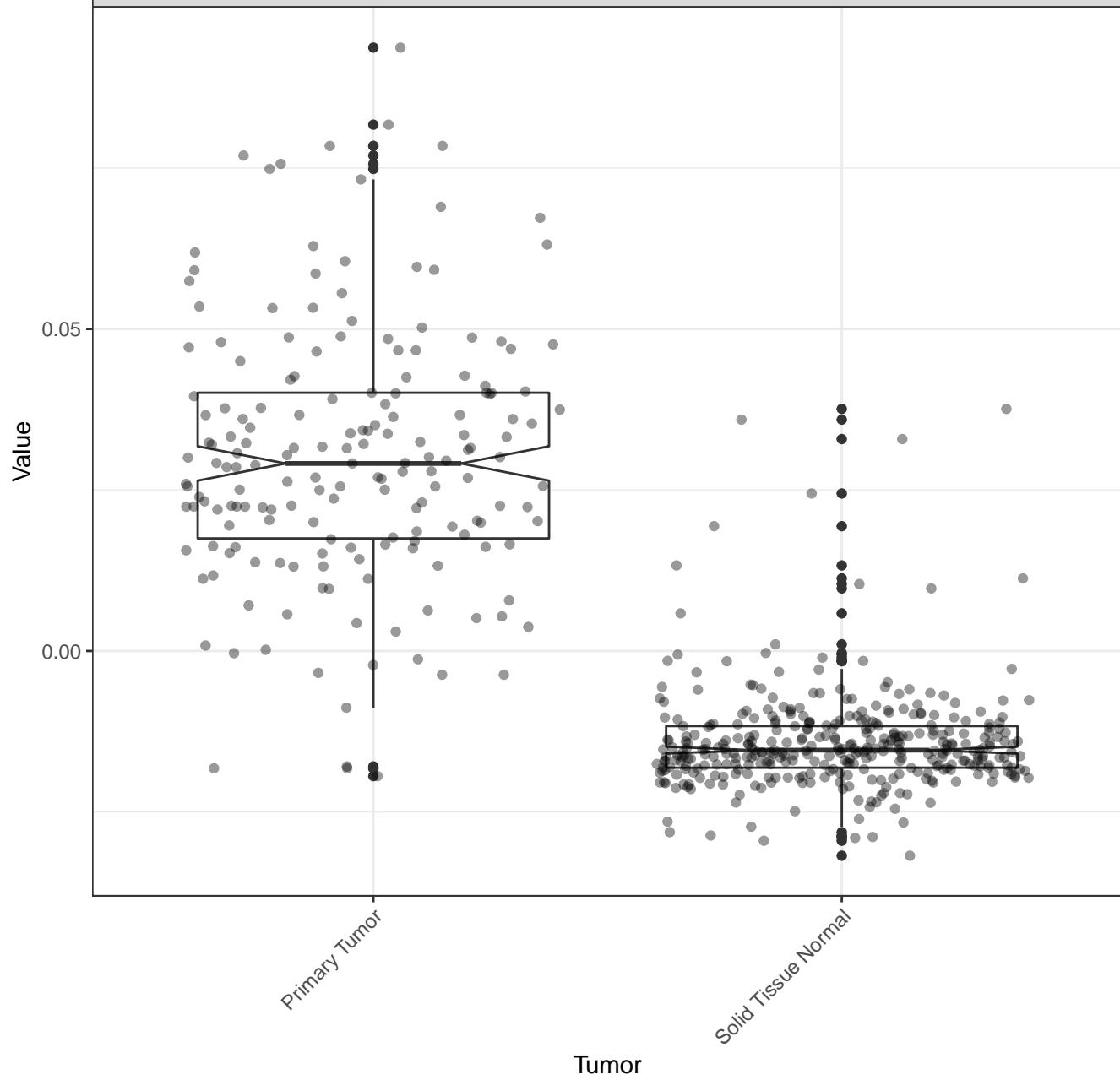
0.075
0.050
0.025
0.000
-0.025

Primary Tumor

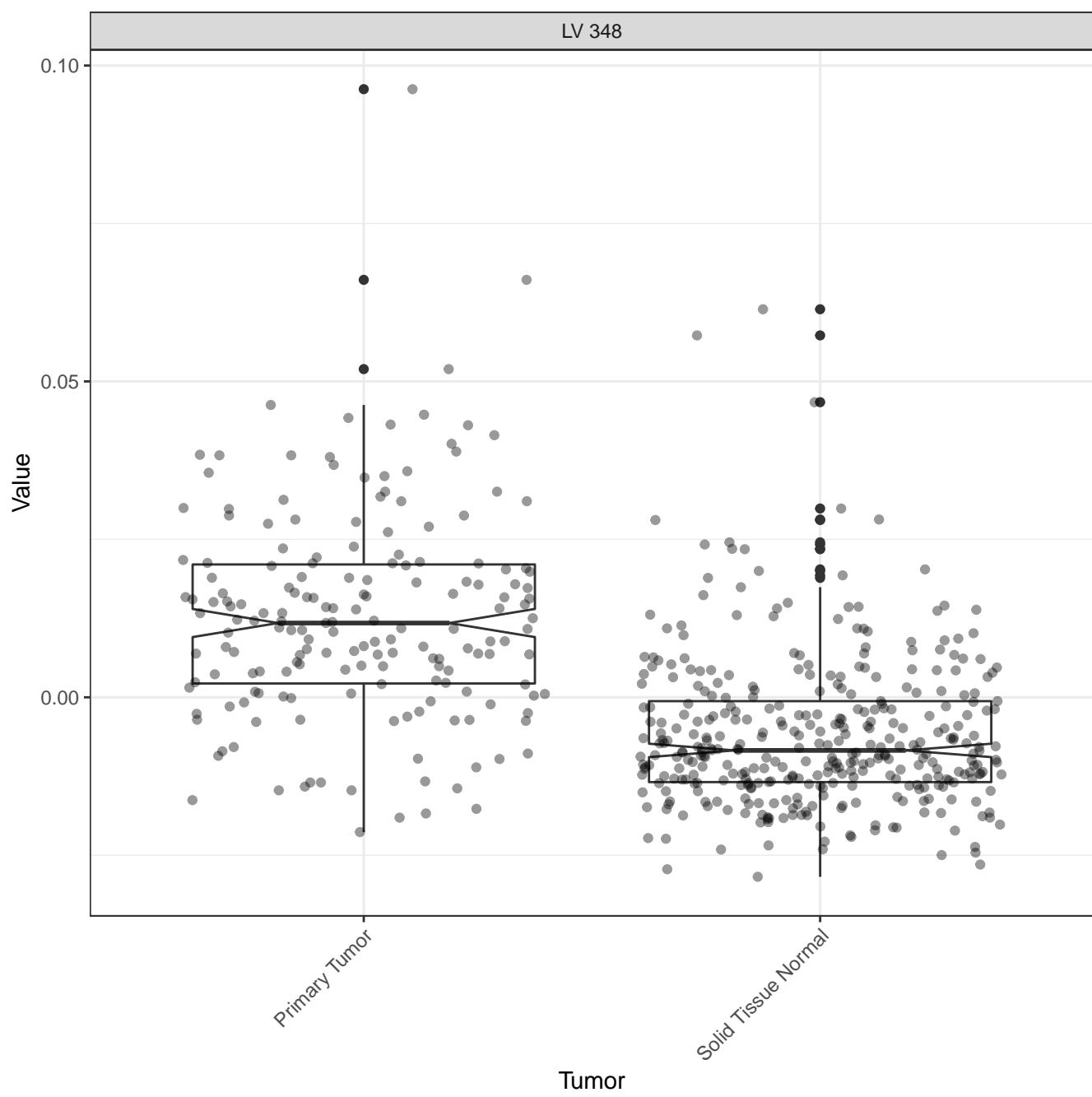
Solid Tissue Normal

Tumor





LV 348



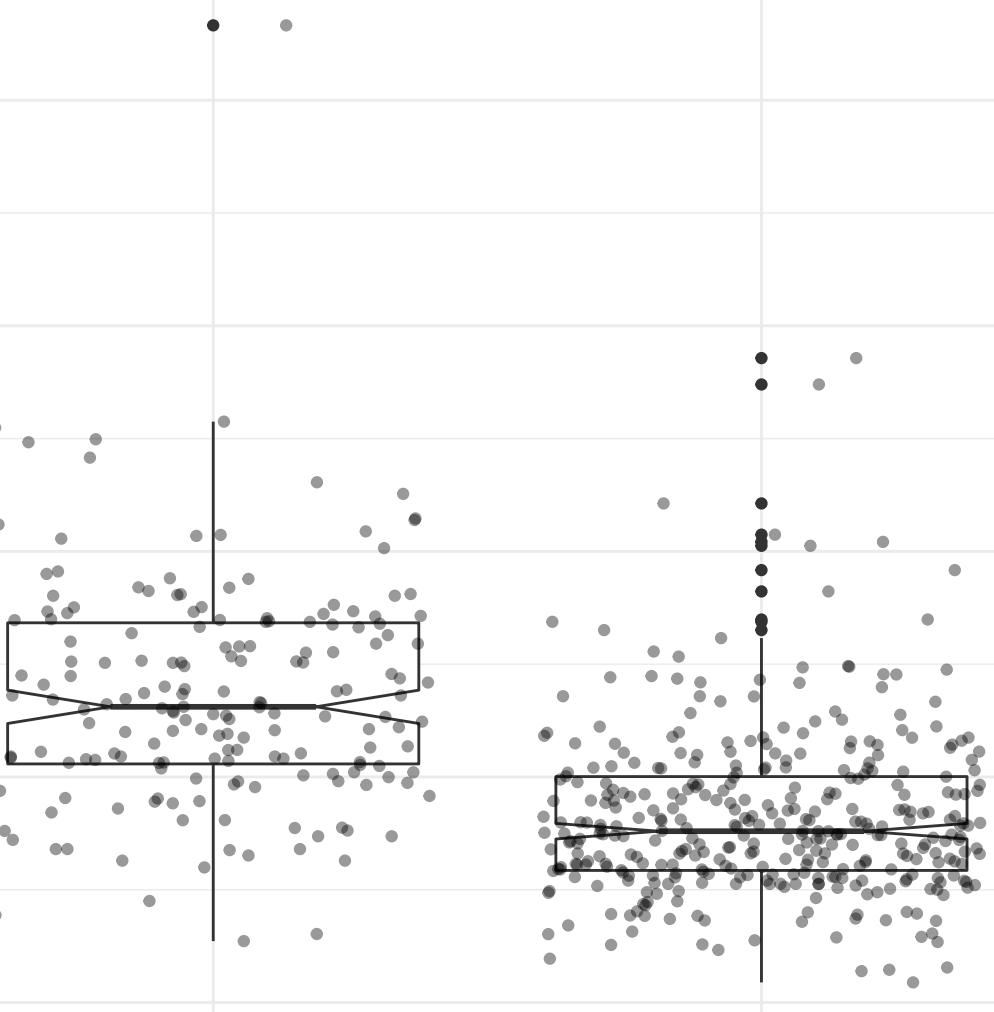
Value

0.15
0.10
0.05
0.00
-0.05

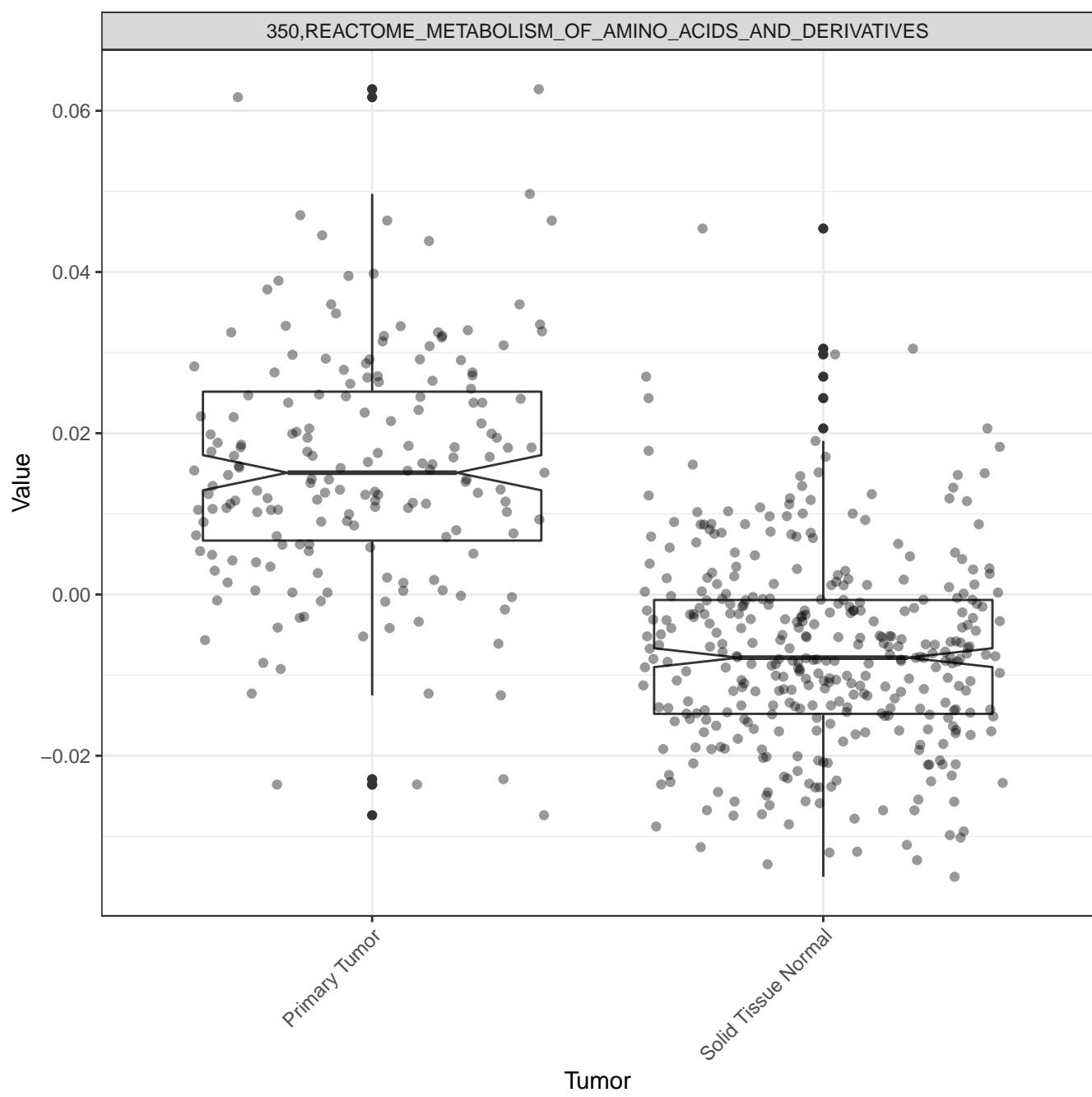
Primary Tumor

Tumor

Solid Tissue Normal



350,REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES



351,REACTOME_METABOLISM_OF_MRNA

Value

0.3

0.2

0.1

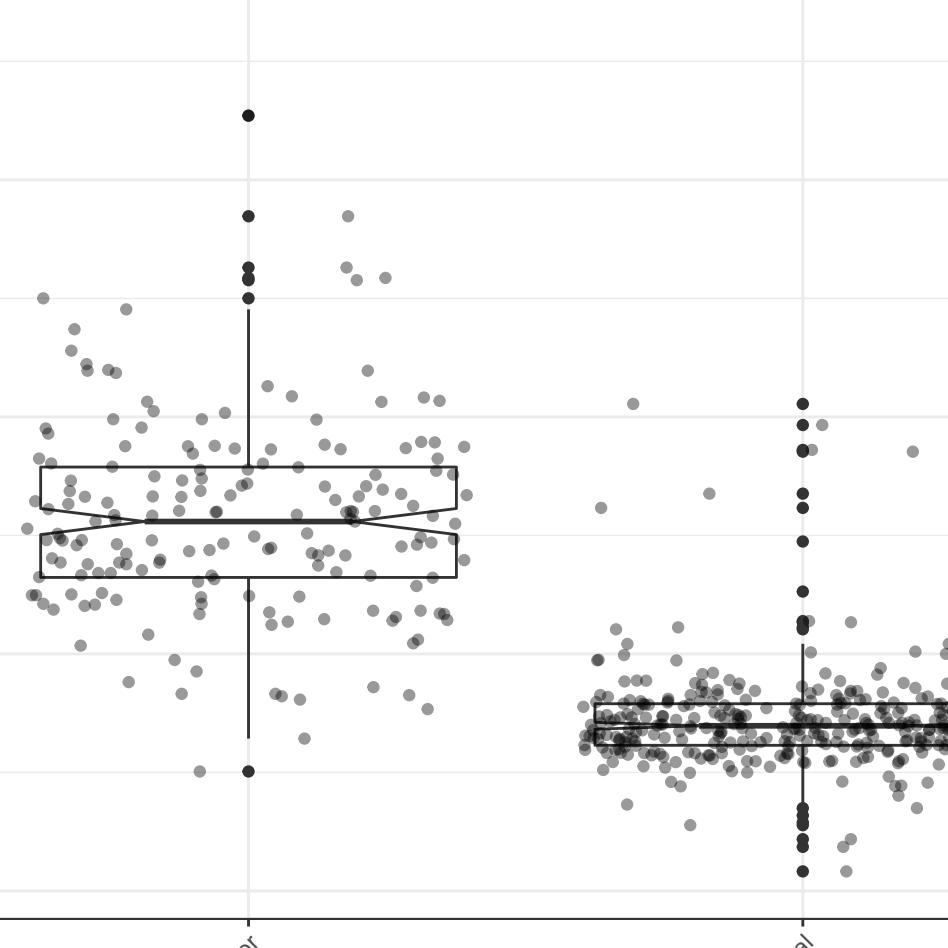
0.0

-0.1

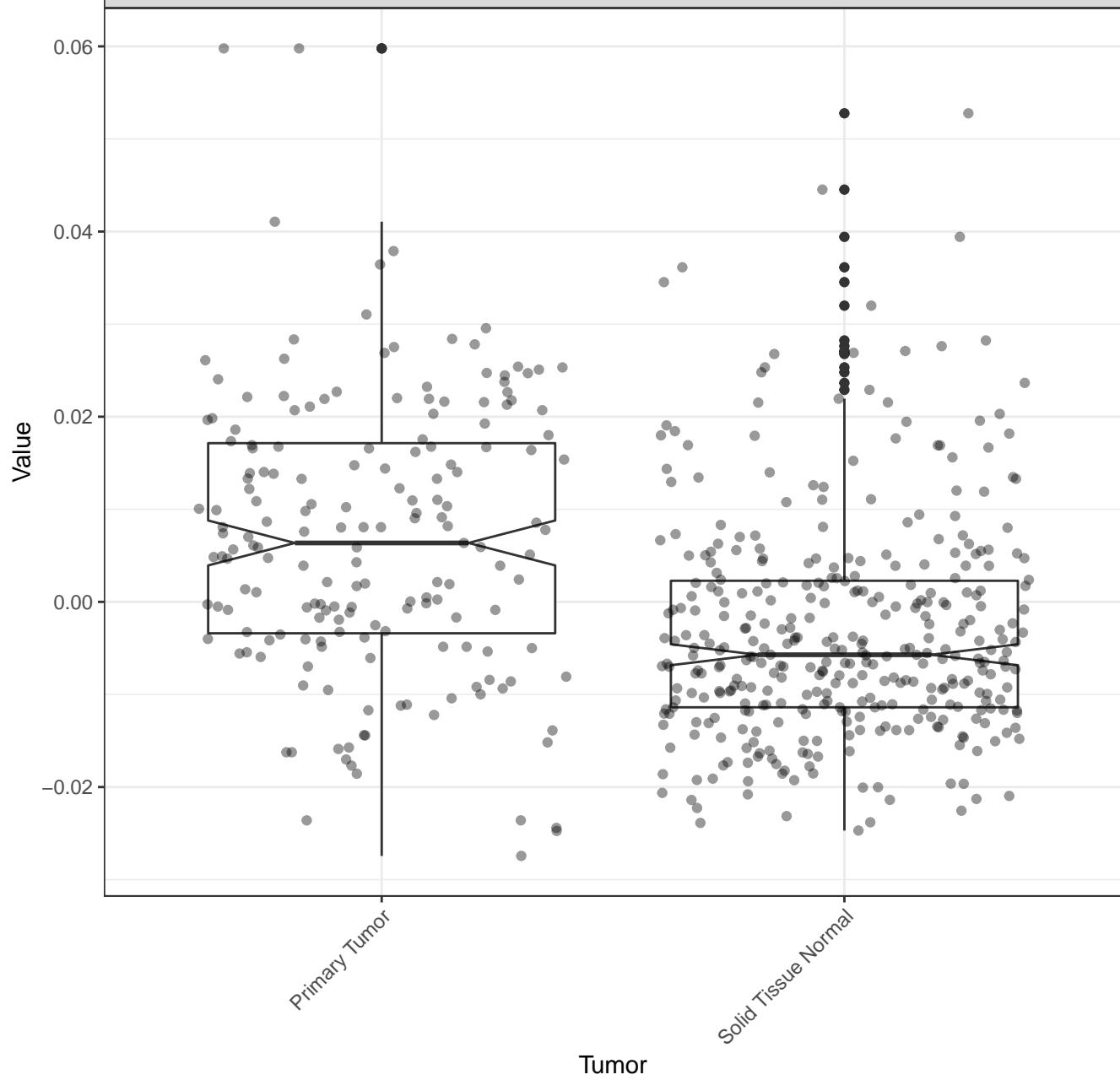
Primary Tumor

Solid Tissue Normal

Tumor



352,KEGG_AXON_GUIDANCE



LV 353

Value

0.075

0.050

0.025

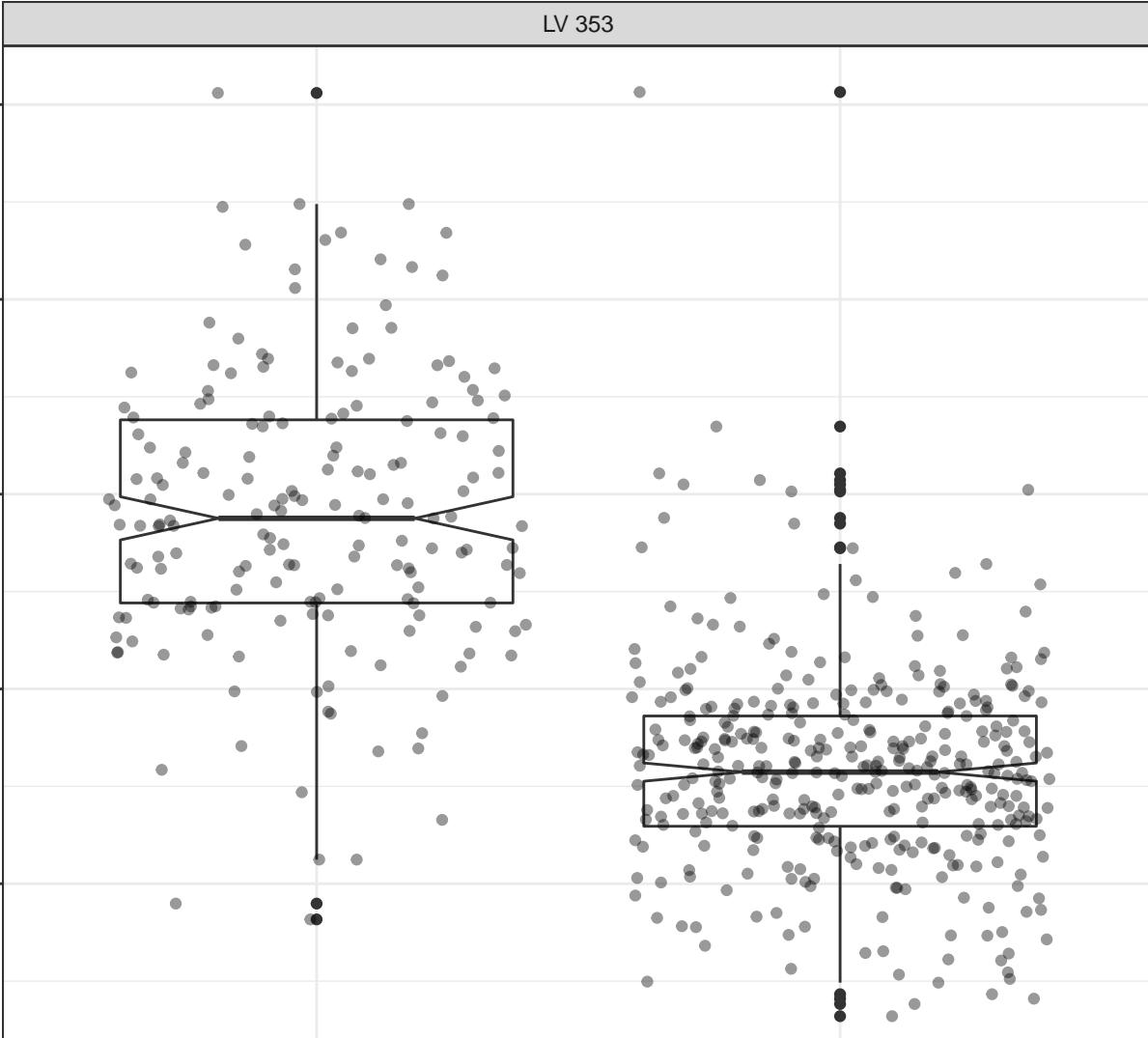
0.000

-0.025

Primary Tumor

Solid Tissue Normal

Tumor



Value

0.05

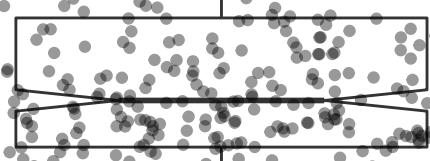
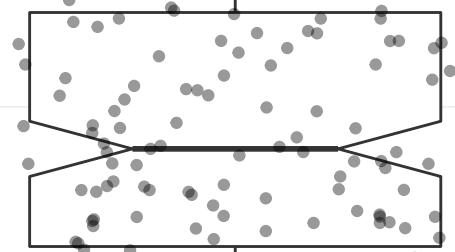
0.00

-0.05

Primary Tumor

Solid Tissue Normal

Tumor



LV 355

Value

0.08

0.06

0.04

0.02

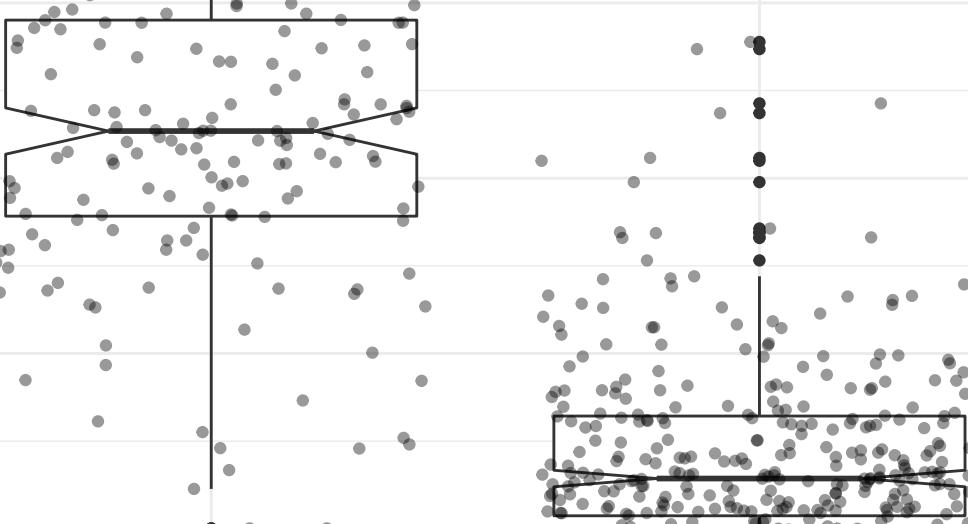
0.00

-0.02

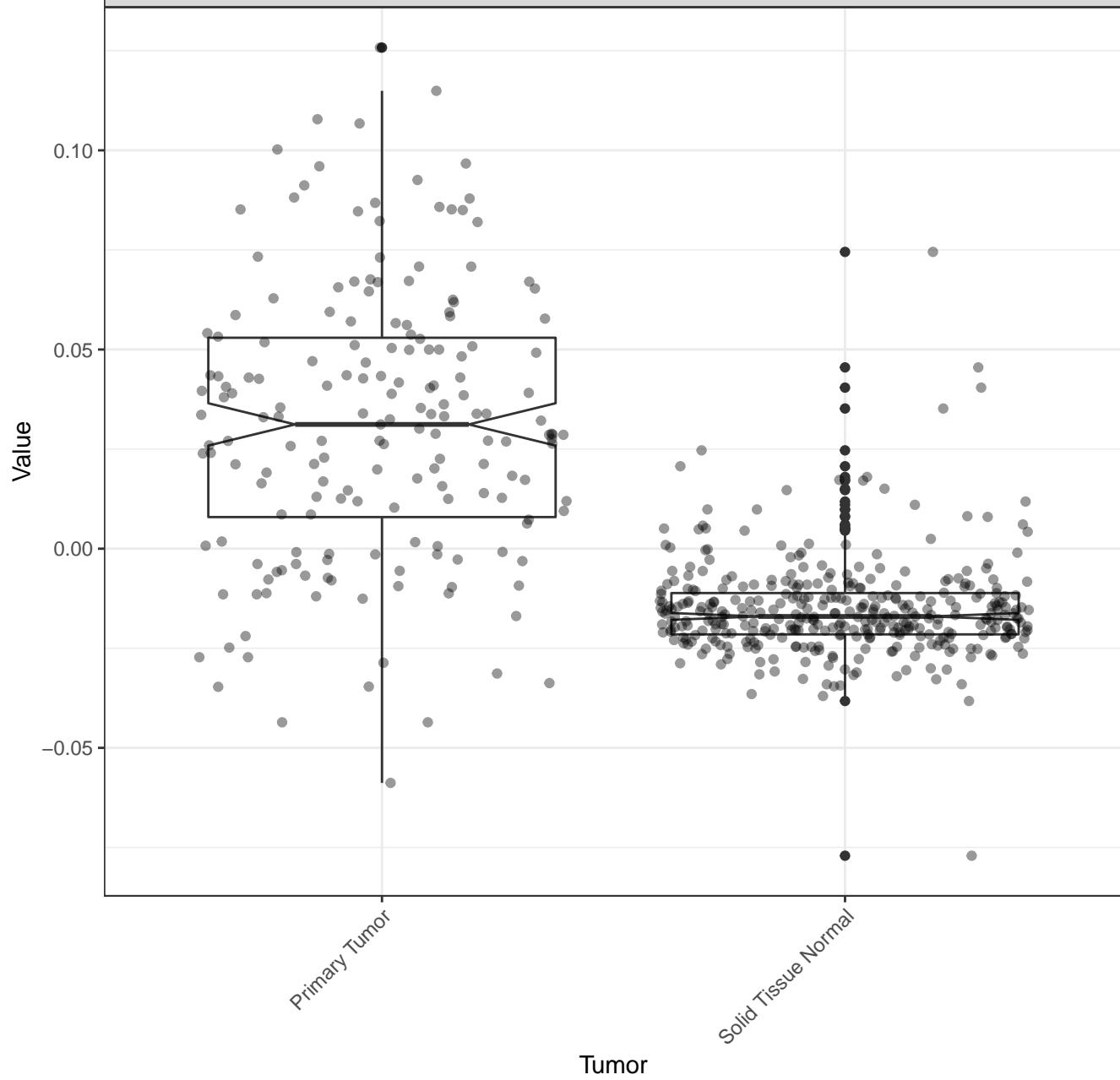
Primary Tumor

Solid Tissue Normal

Tumor



356,REACTOME DEVELOPMENTAL_BIOLOGY



LV 357

Value

0.08

0.04

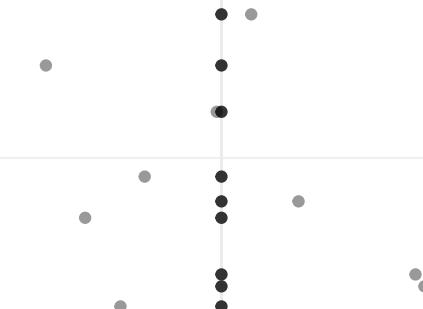
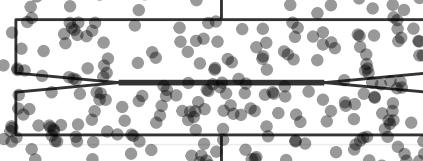
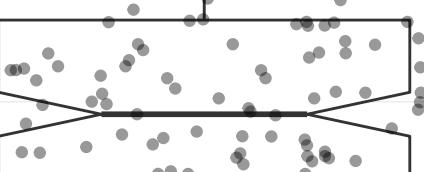
0.00

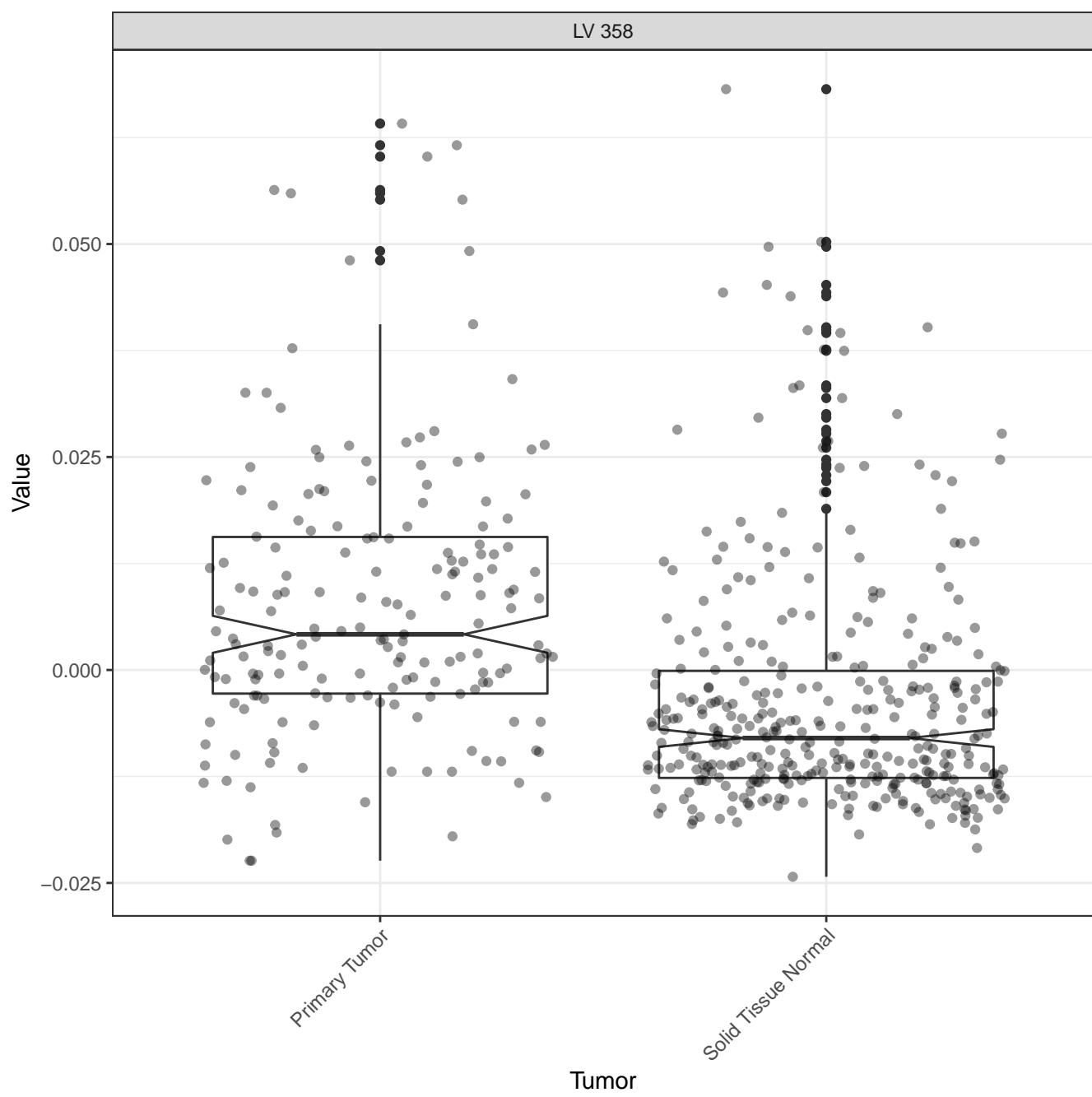
-0.04

Primary Tumor

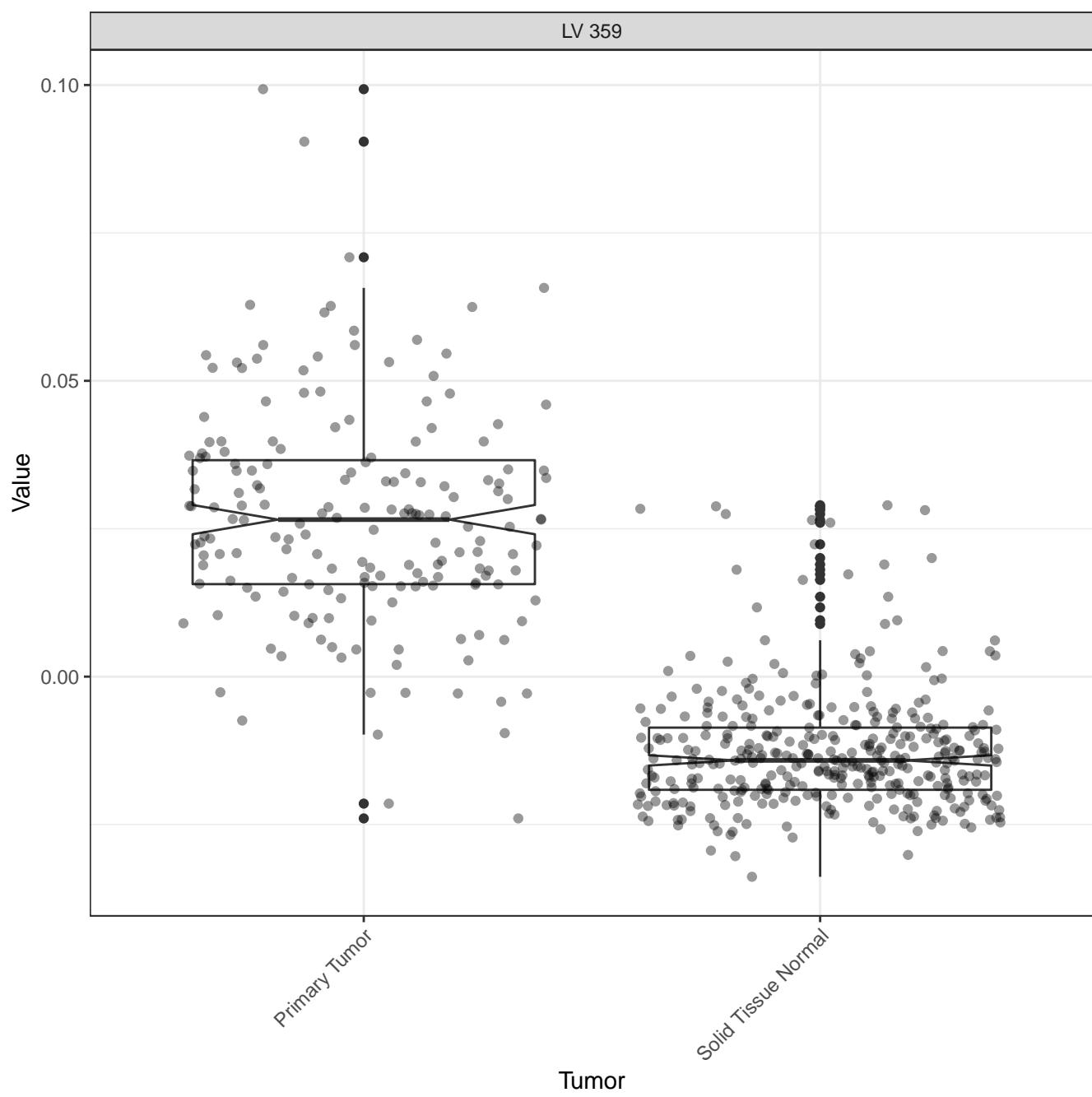
Solid Tissue Normal

Tumor

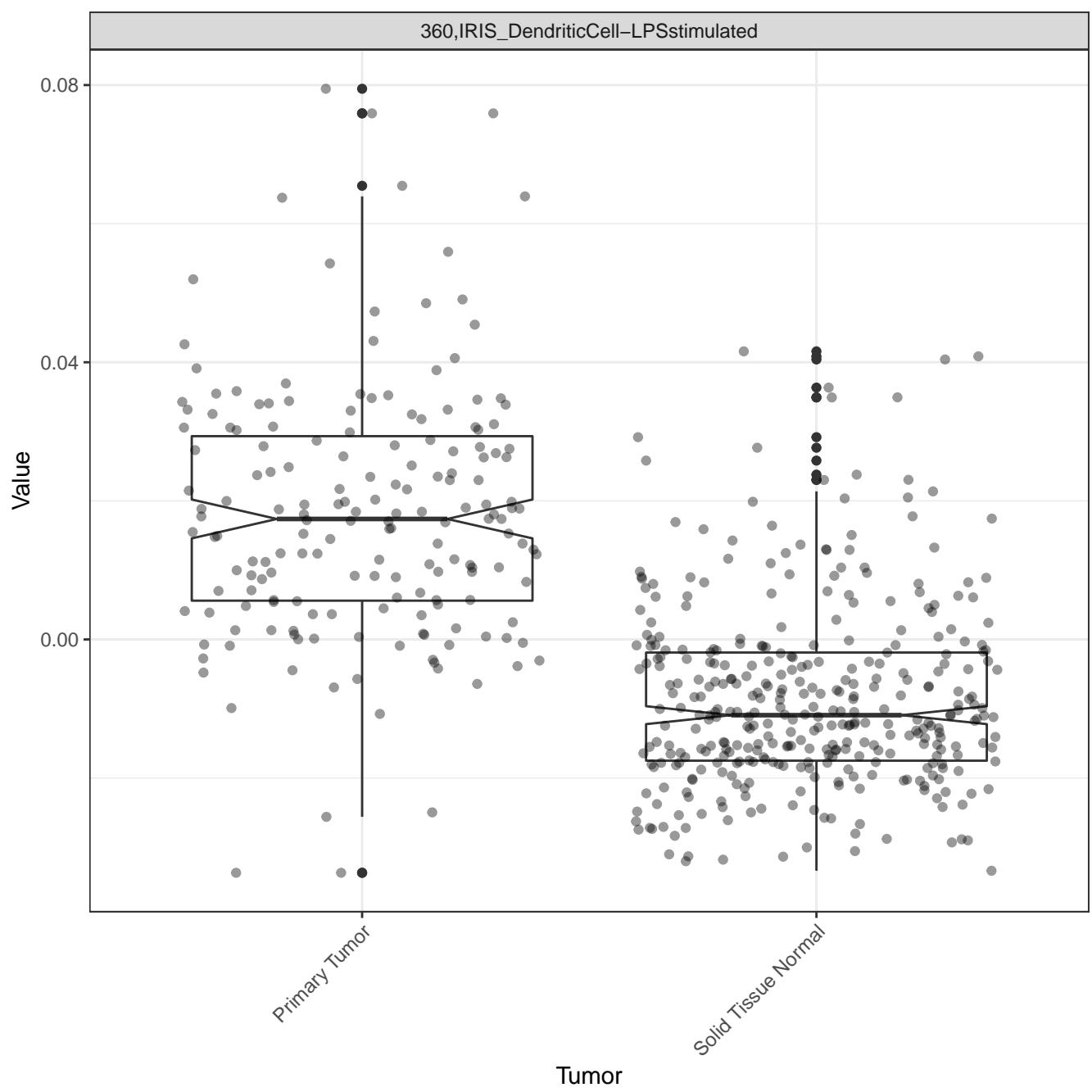




LV 359



360,IRIS_DendriticCell-LPSstimulated



Value

0.06

0.03

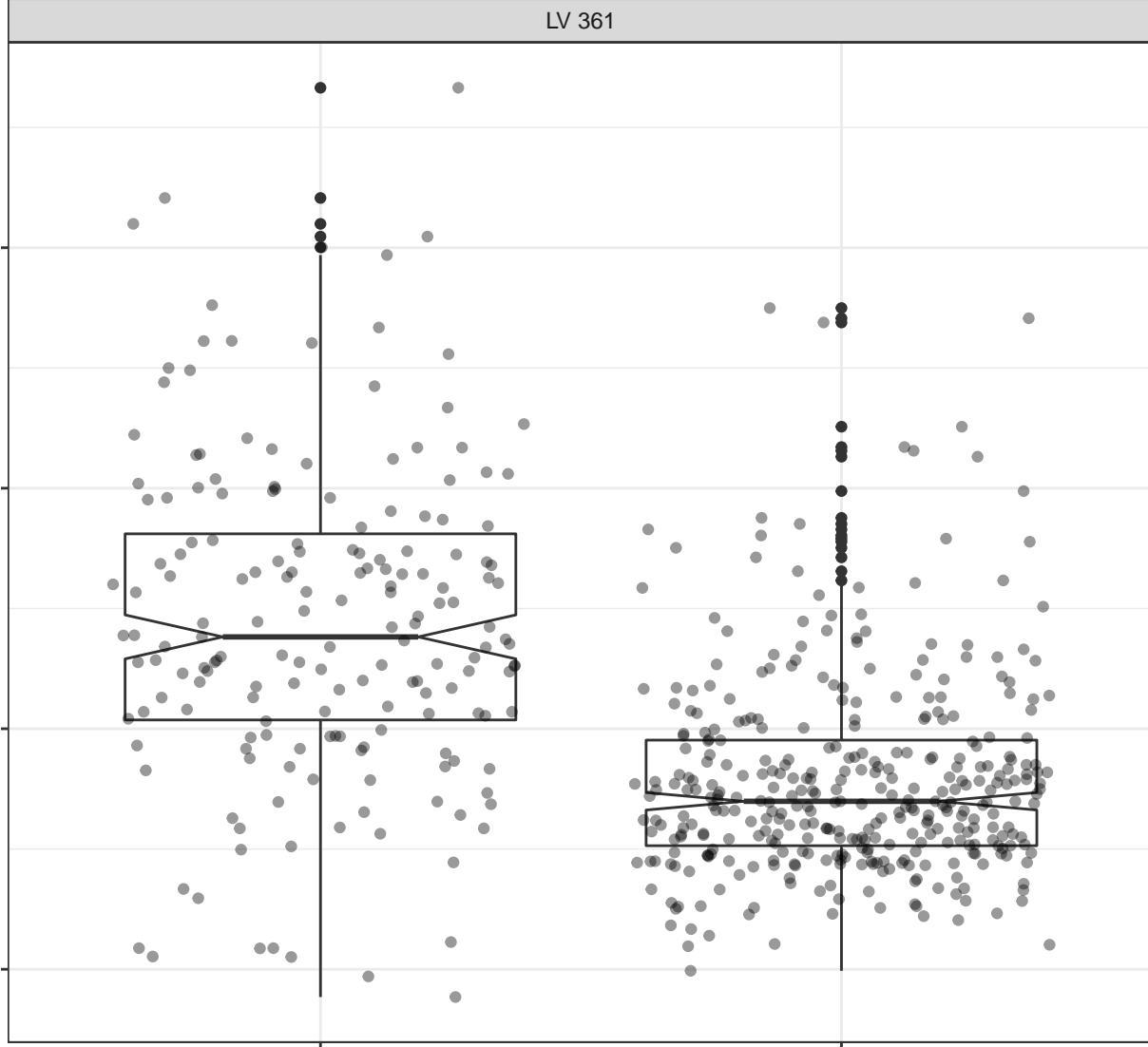
0.00

-0.03

Primary Tumor

Solid Tissue Normal

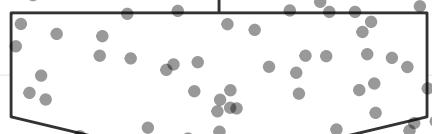
Tumor



Value

0.05

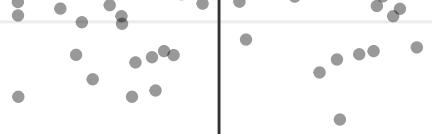
0.00



Primary Tumor

Tumor

Solid Tissue Normal



LV 363

Value

0.20

0.15

0.10

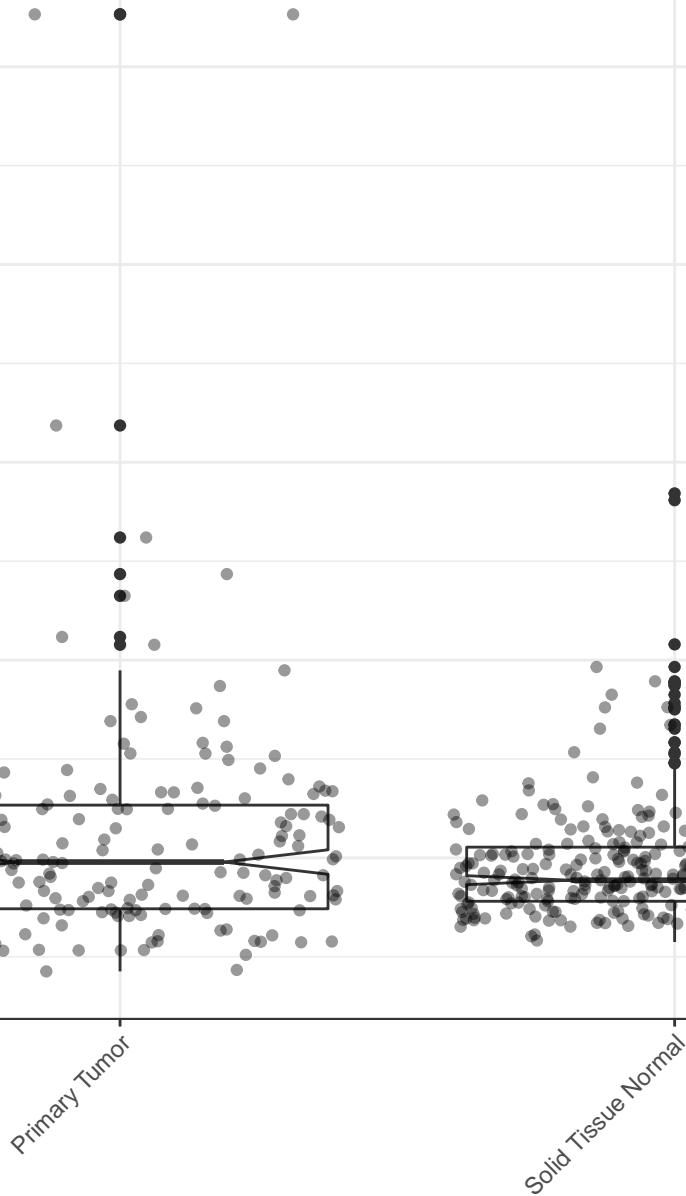
0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor



364,REACTOME_POST_TRANSLATIONAL_PROTEIN_MODIFICATION

Value

0.2

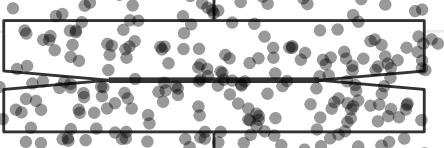
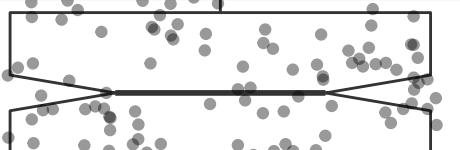
0.1

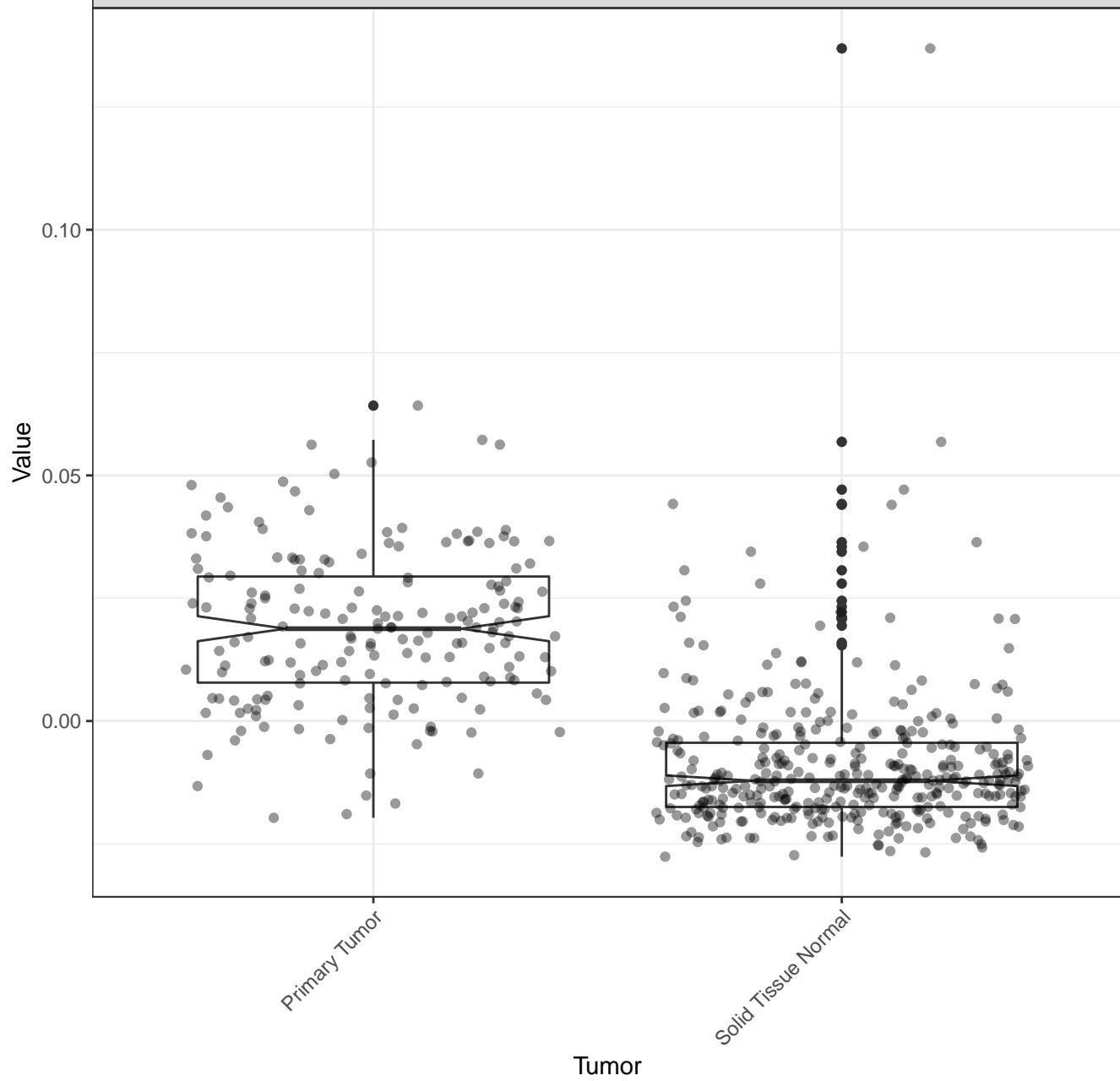
0.0

Primary Tumor

Solid Tissue Normal

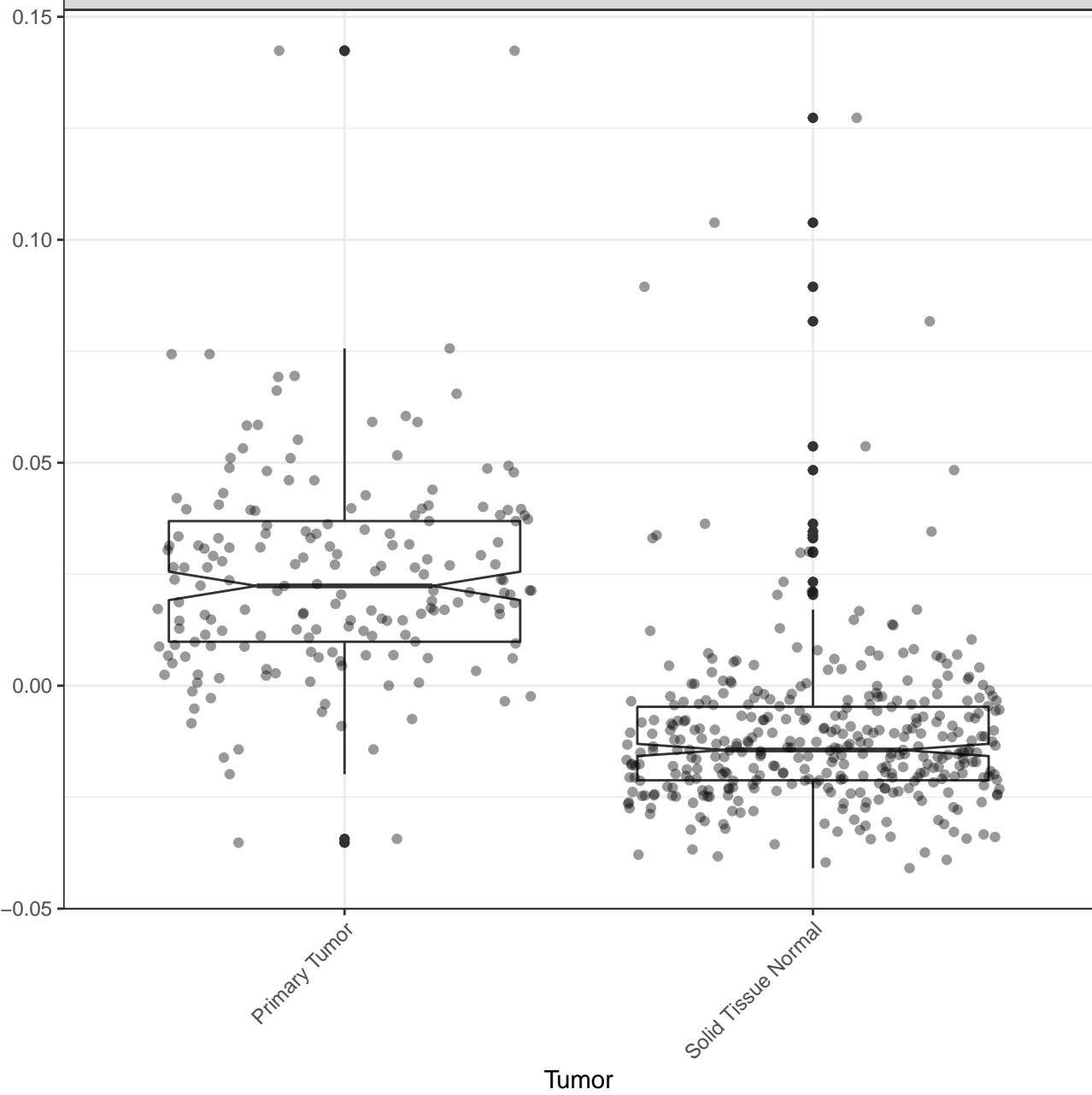
Tumor



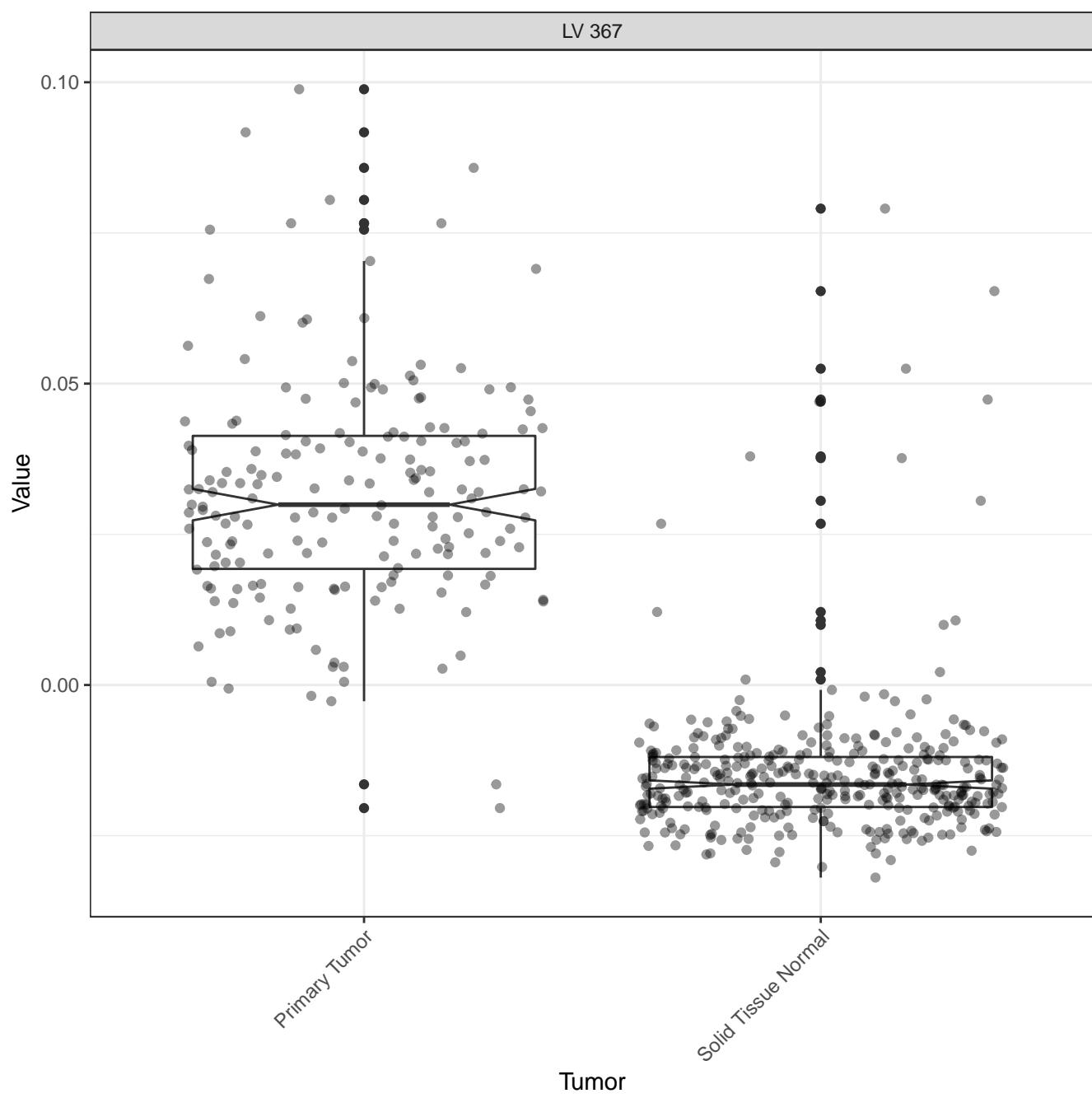


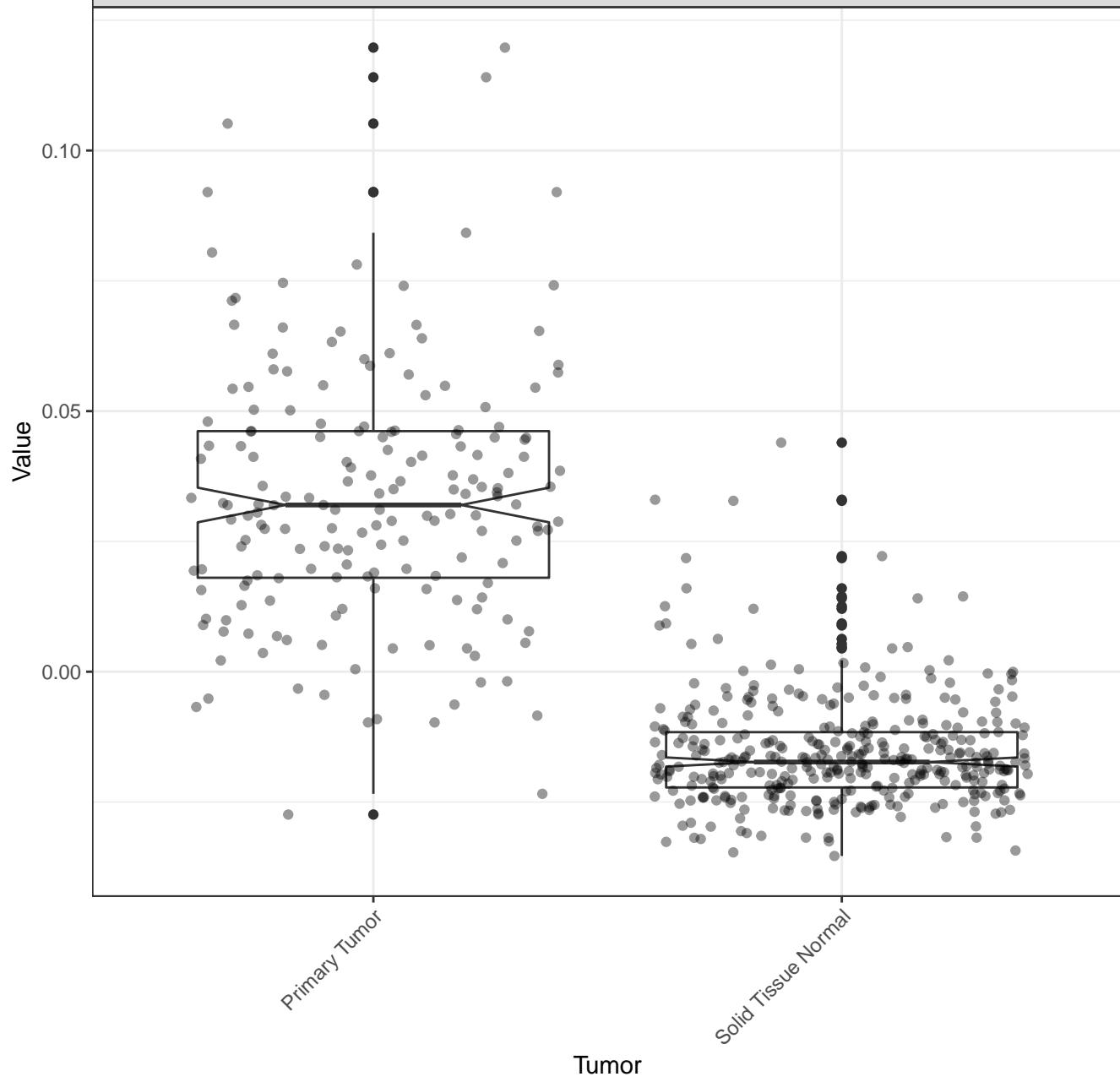
LV 366

Value

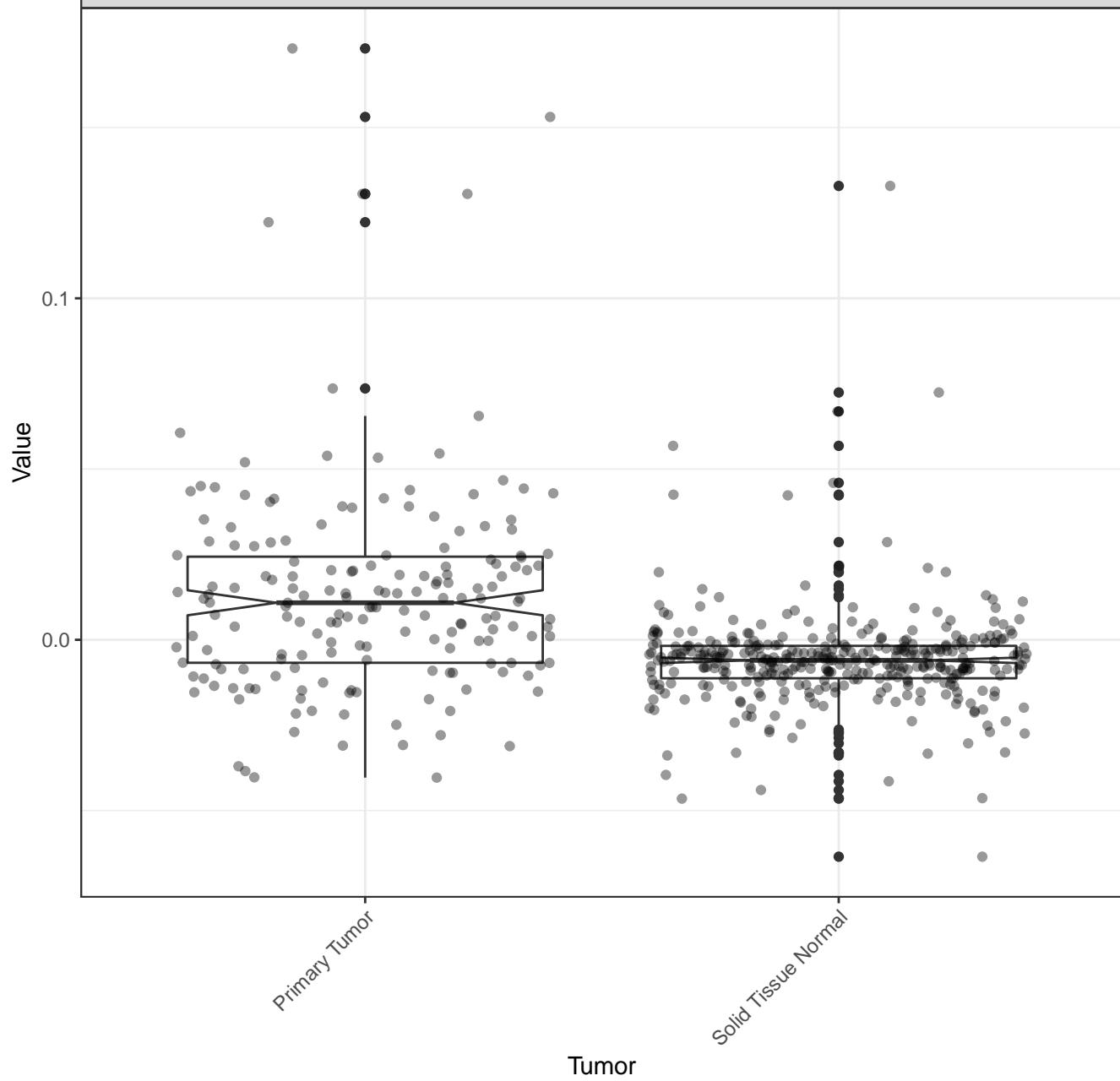


LV 367

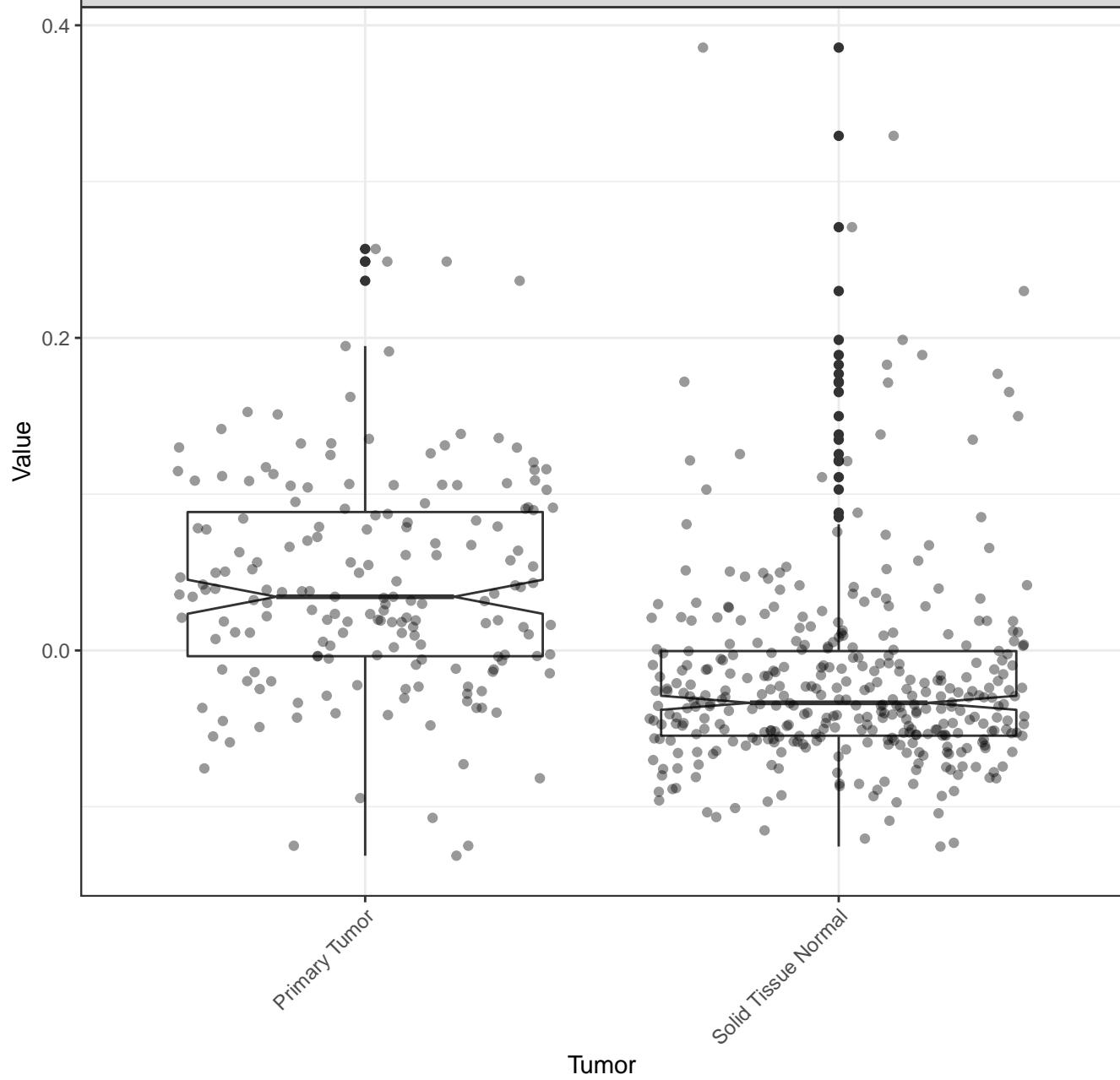




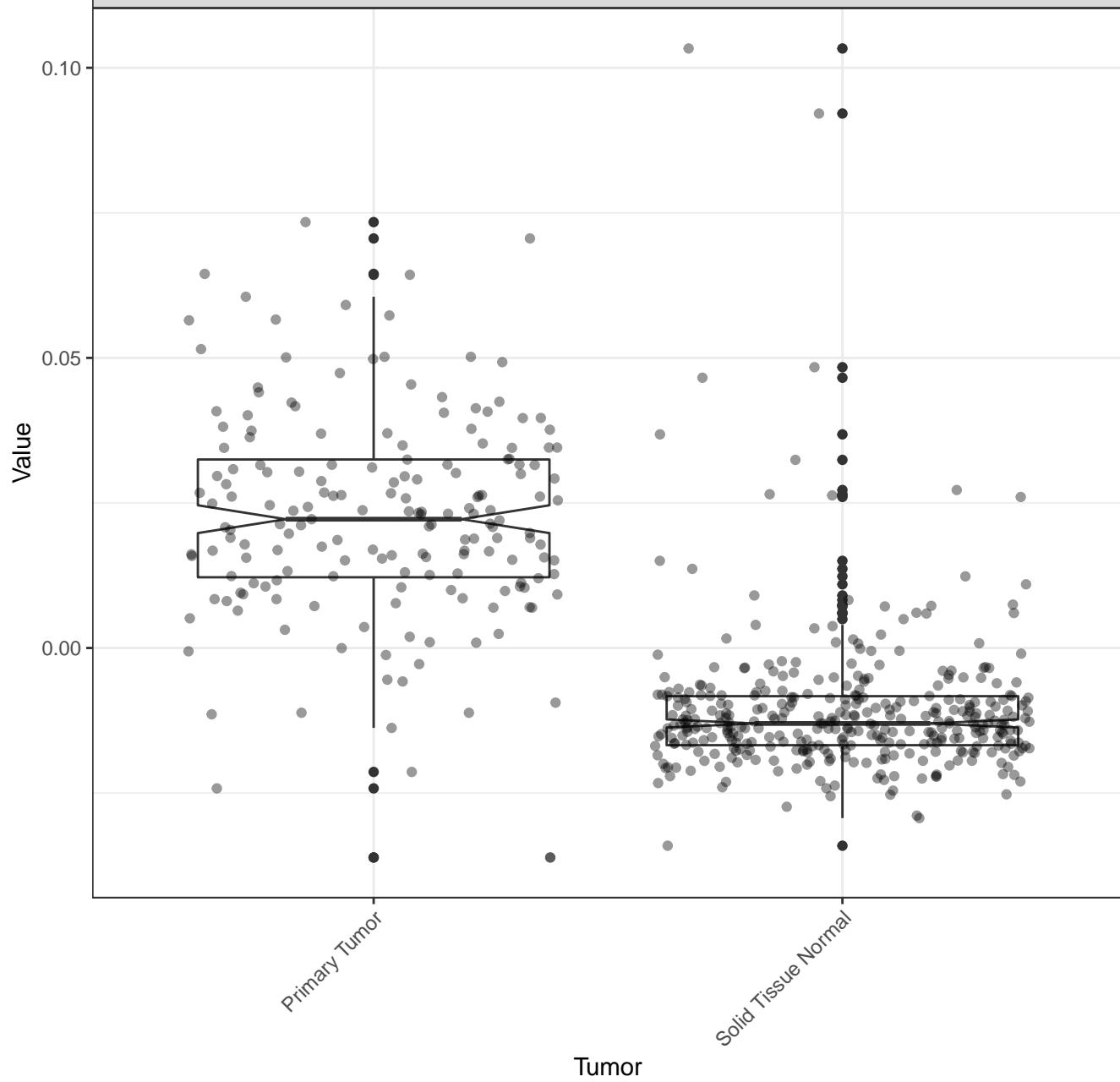
369,PID_CMYB_PATHWAY



370,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



371,PID_ERBB1_DOWNSTREAM_PATHWAY



372,REACTOME_METABOLISM_OF_RNA

Value

0.1

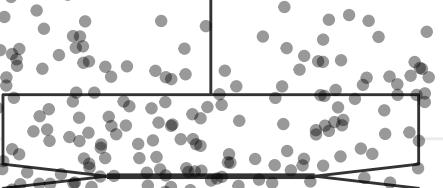
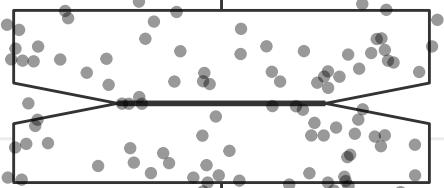
0.0

-0.1

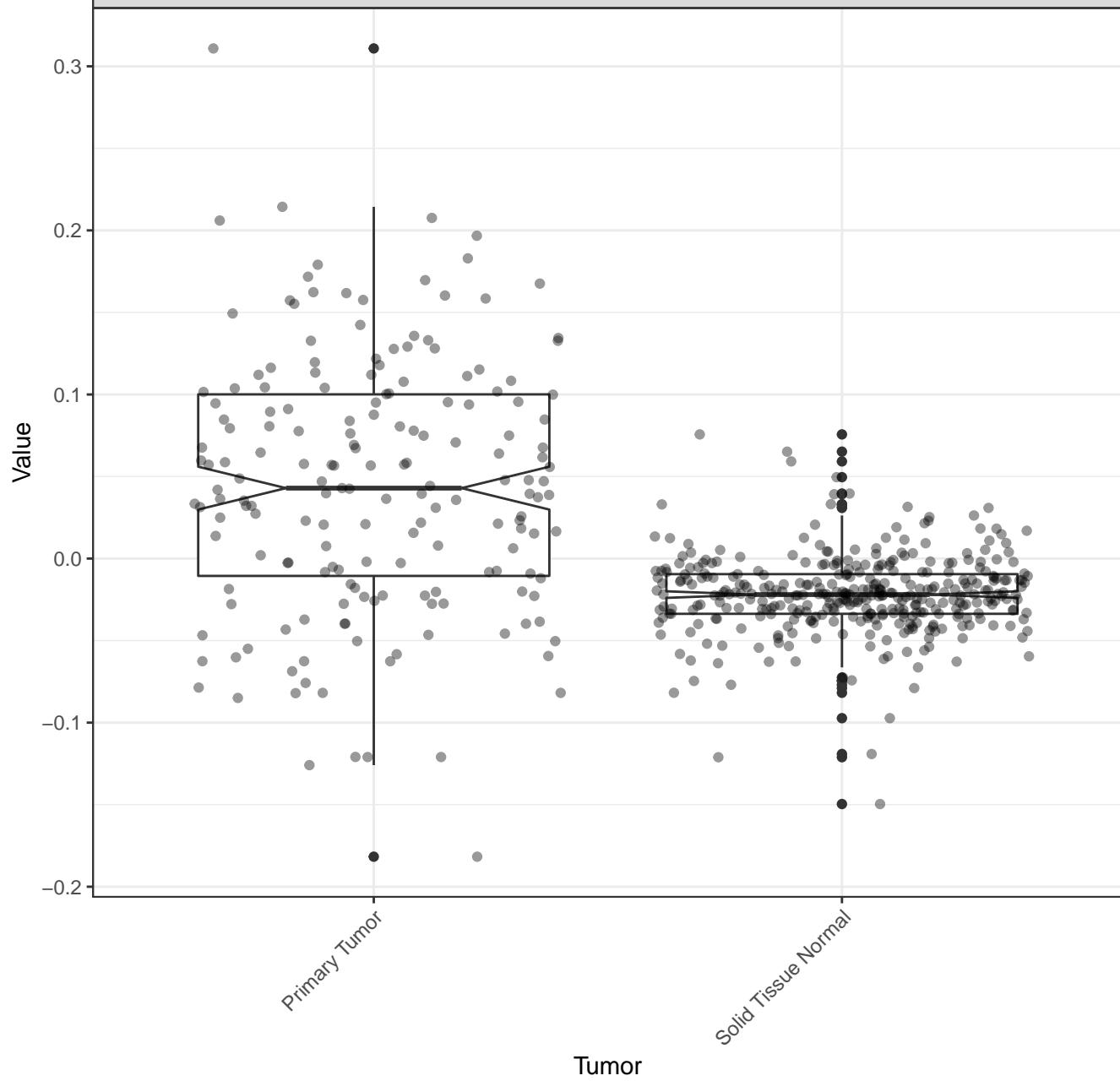
Primary Tumor

Solid Tissue Normal

Tumor



373,KEGG_LYSOSOME



374,DMAP_TCELLA2

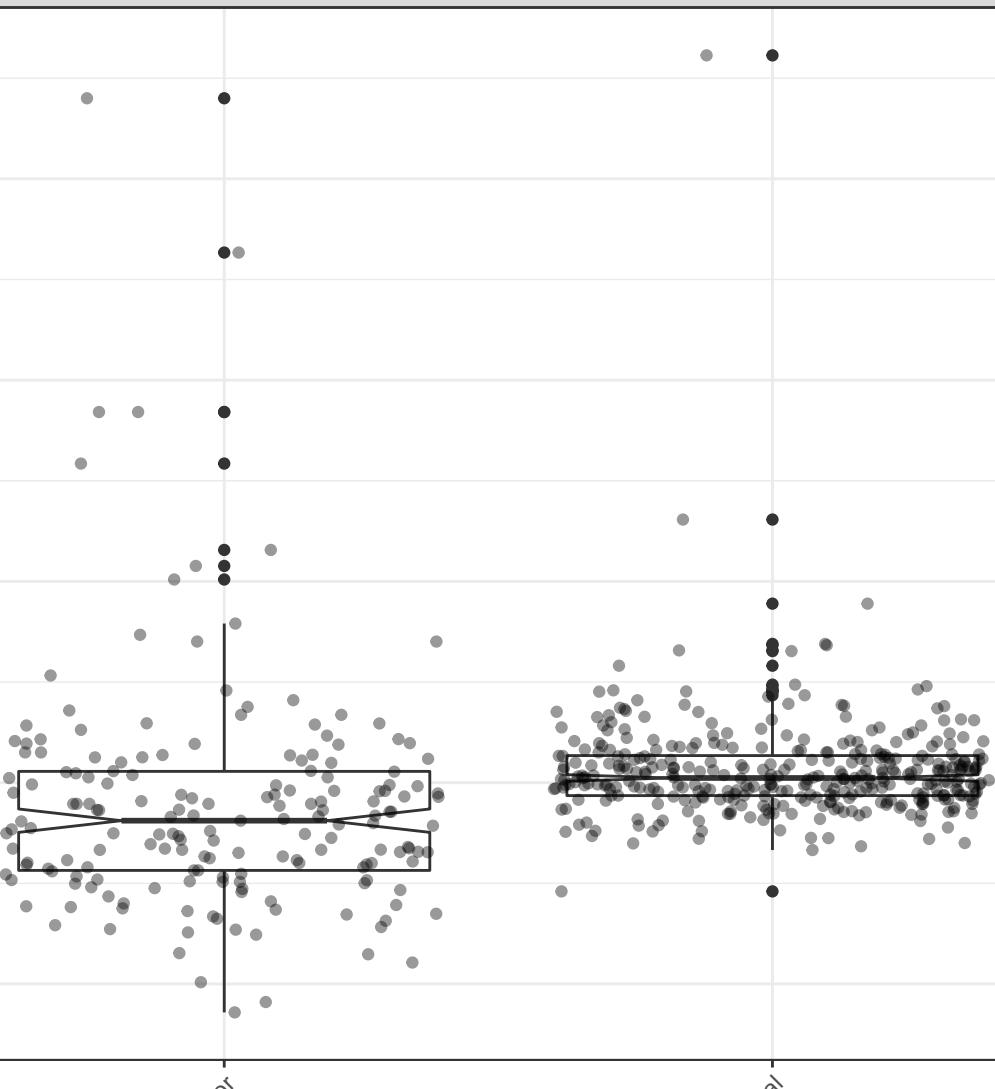
Value

0.15
0.10
0.05
0.00
-0.05

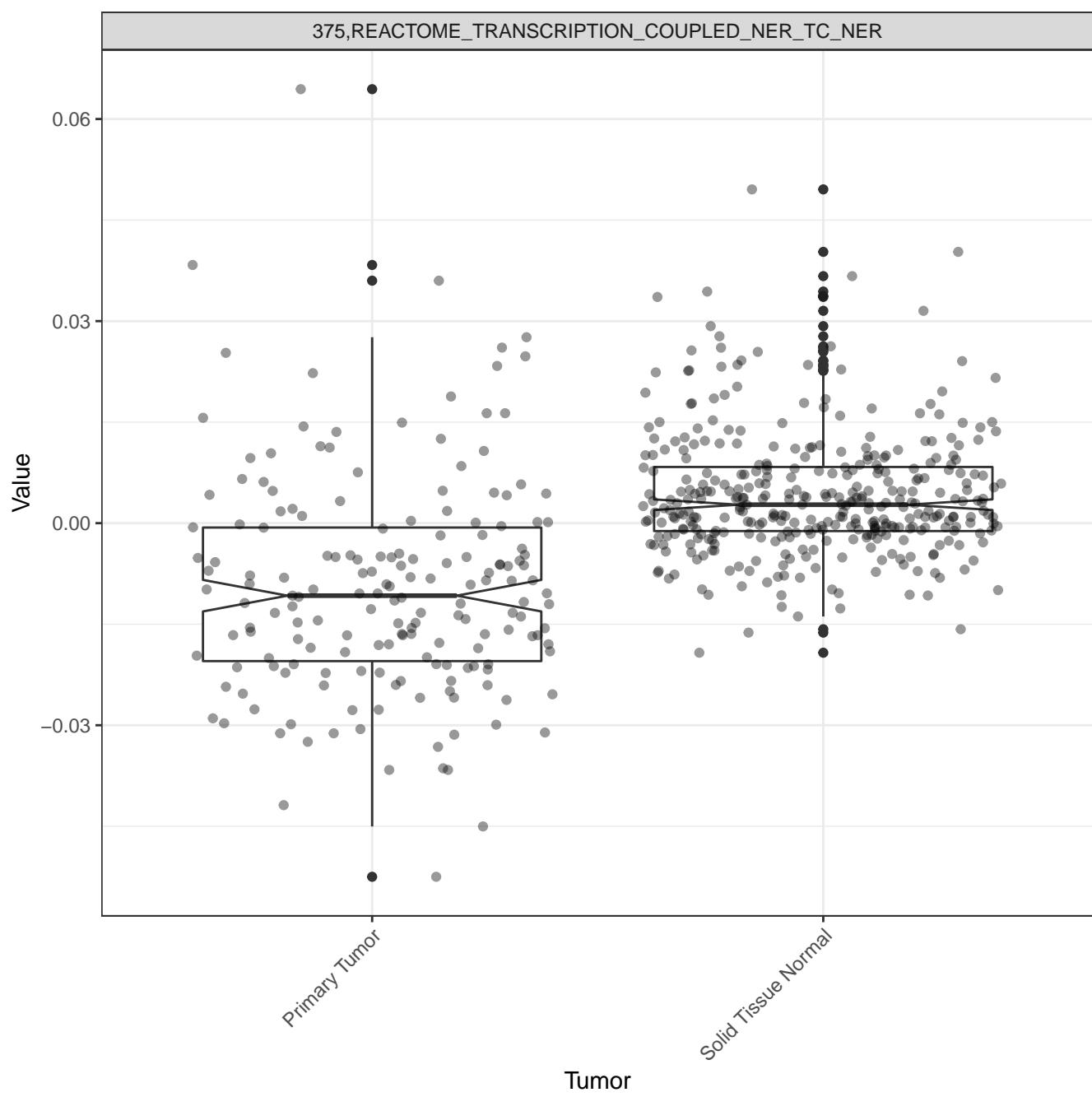
Primary Tumor

Solid Tissue Normal

Tumor



375,REACTOME_TRANSSCRIPTION_COUPLED_NER_TC_NER



Value

0.050

0.025

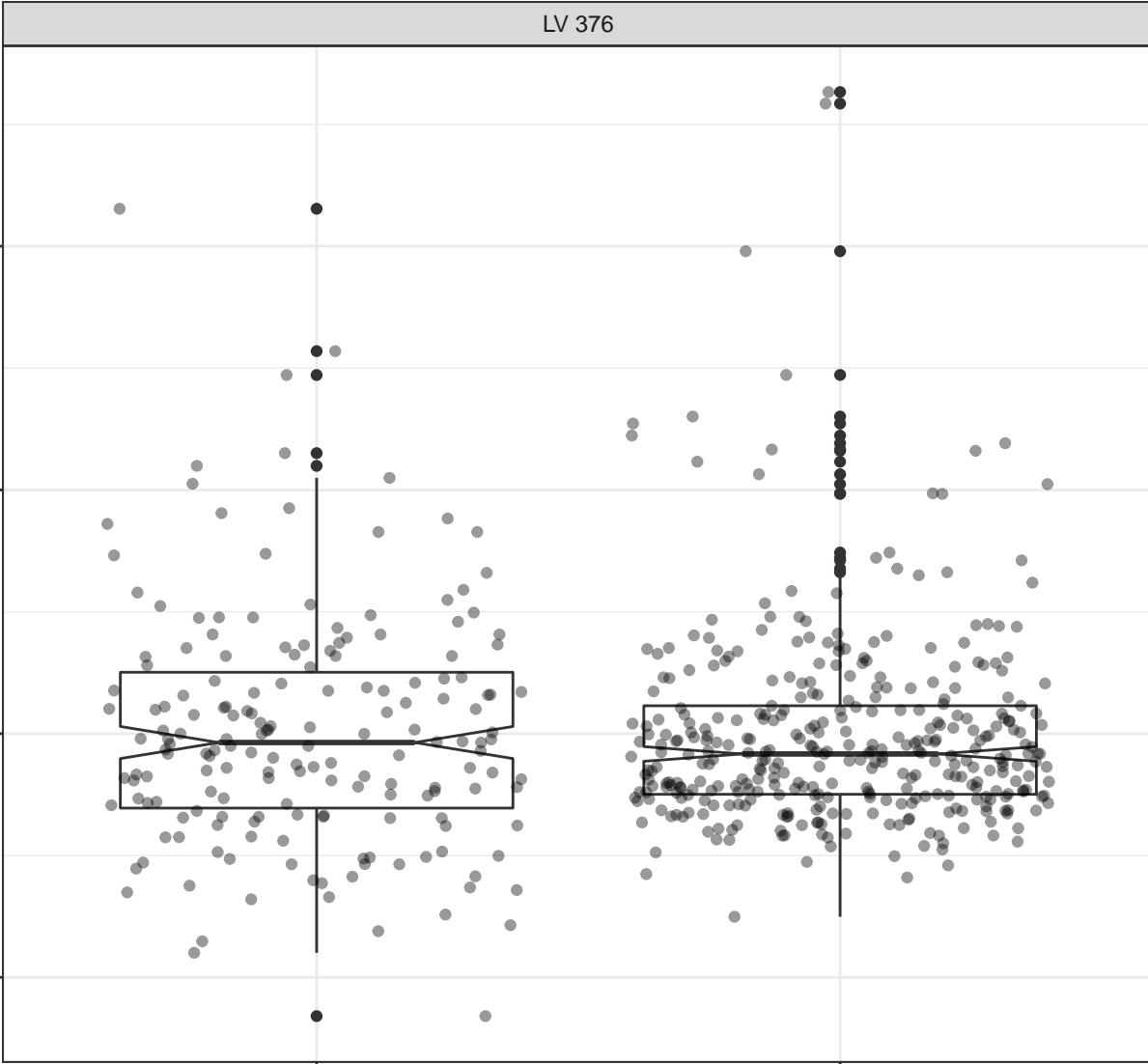
0.000

-0.025

Primary Tumor

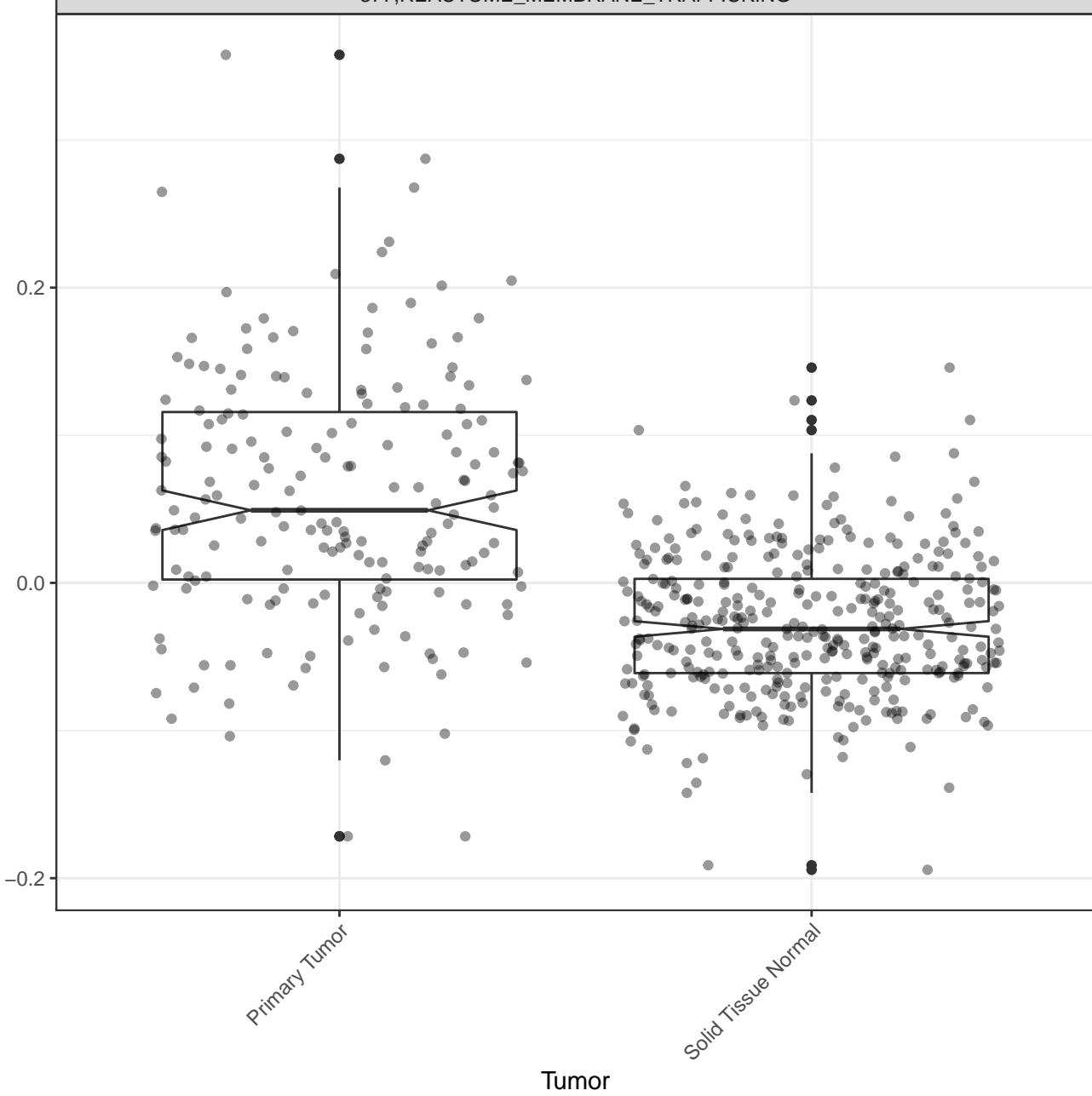
Solid Tissue Normal

Tumor



377,REACTOME_MEMBRANE_TRAFFICKING

Value



378,REACTOME_IMMUNE_SYSTEM

Value

0.050

0.025

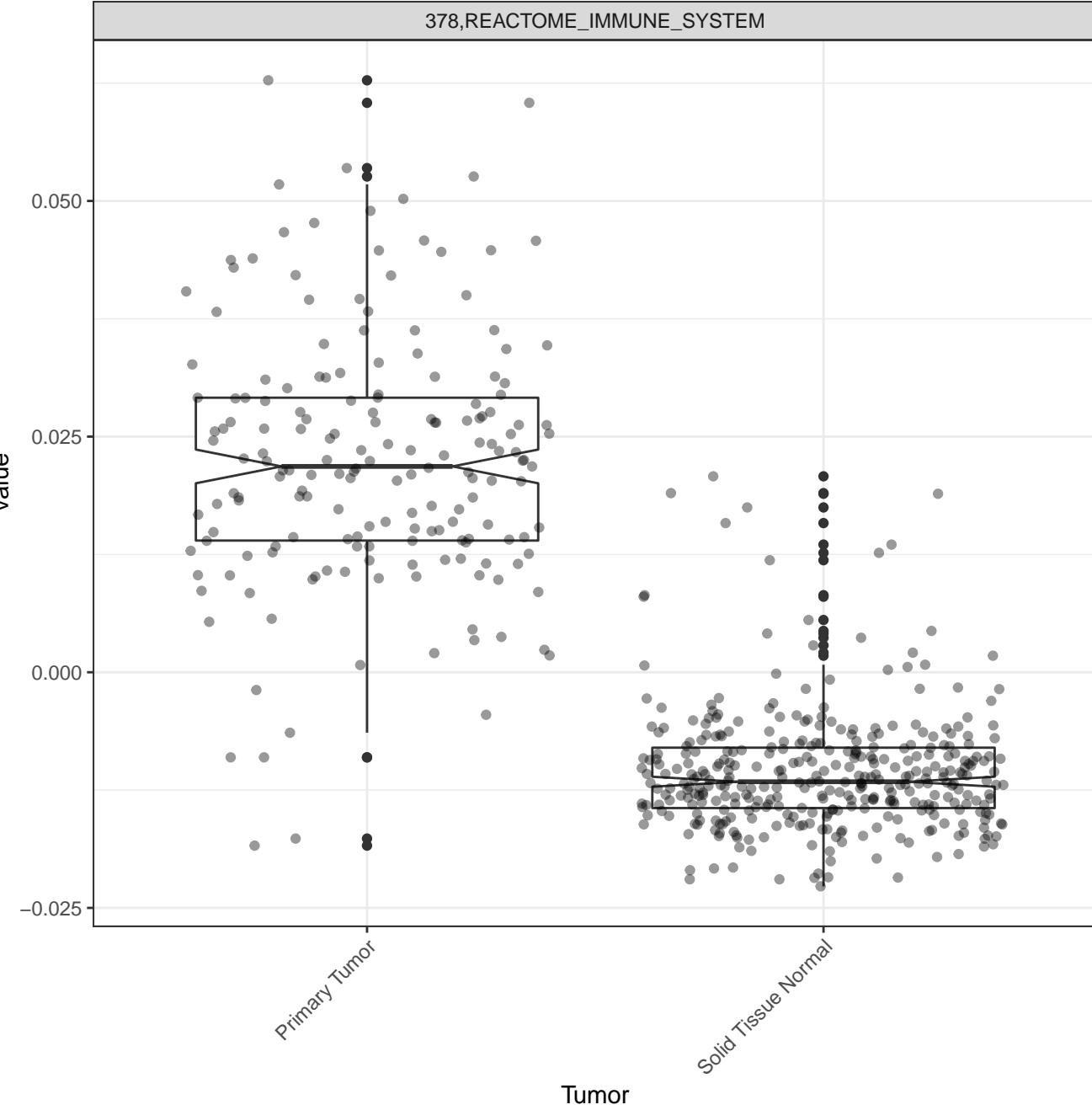
0.000

-0.025

Primary Tumor

Solid Tissue Normal

Tumor



379,KEGG_LYSOSOME

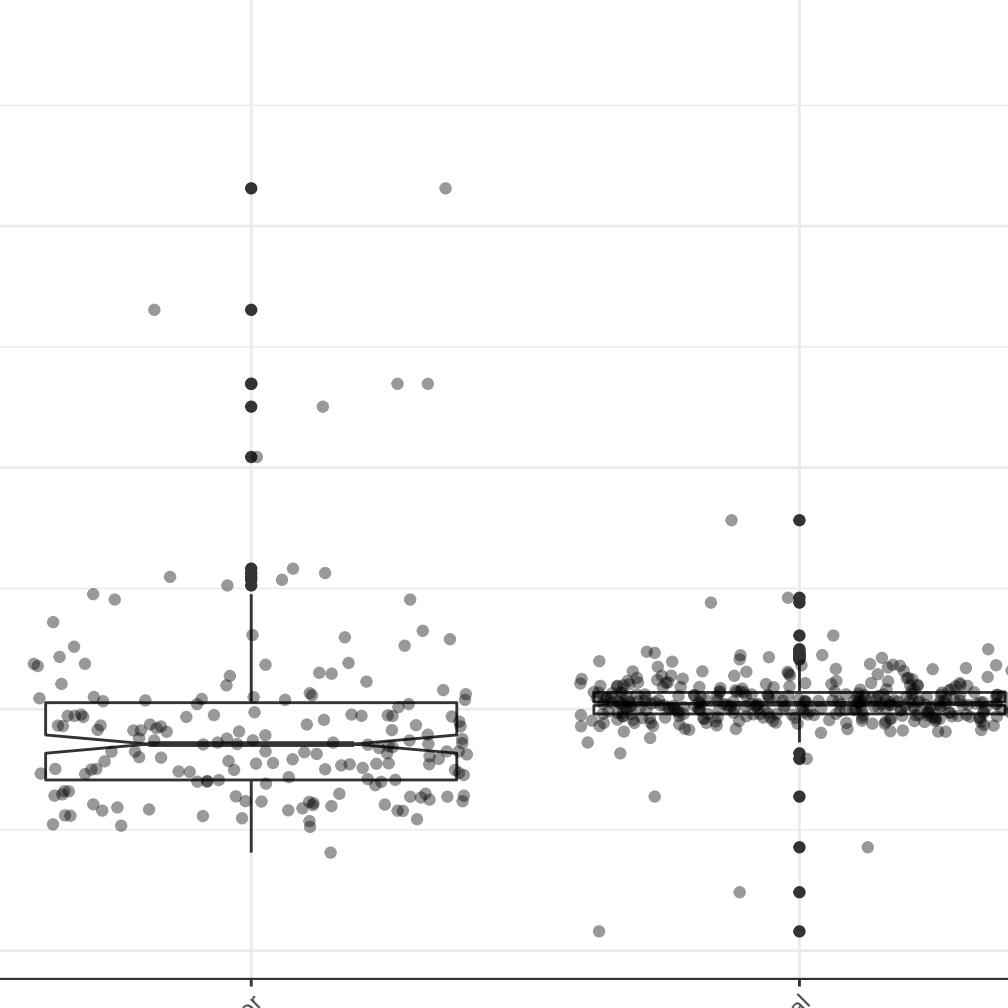
Value

0.75
0.50
0.25
0.00
-0.25

Primary Tumor

Solid Tissue Normal

Tumor



380,IRIS_DendriticCell-LPSstimulated

Value

0.2

0.1

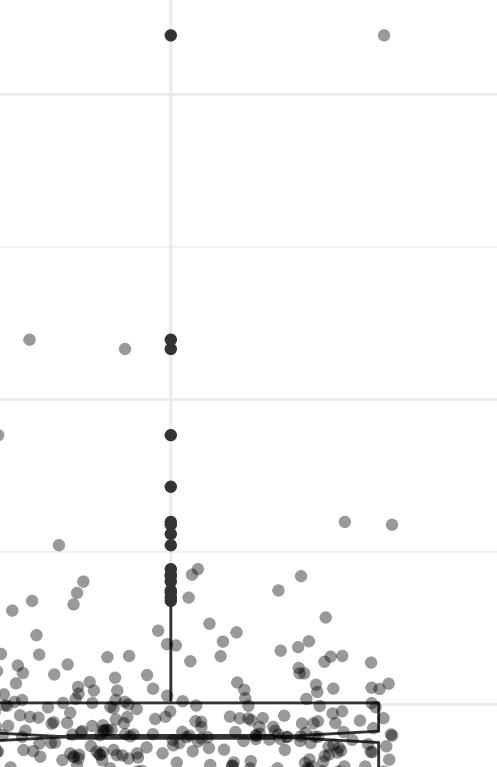
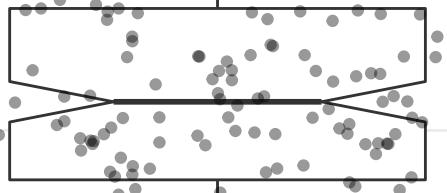
0.0

-0.1

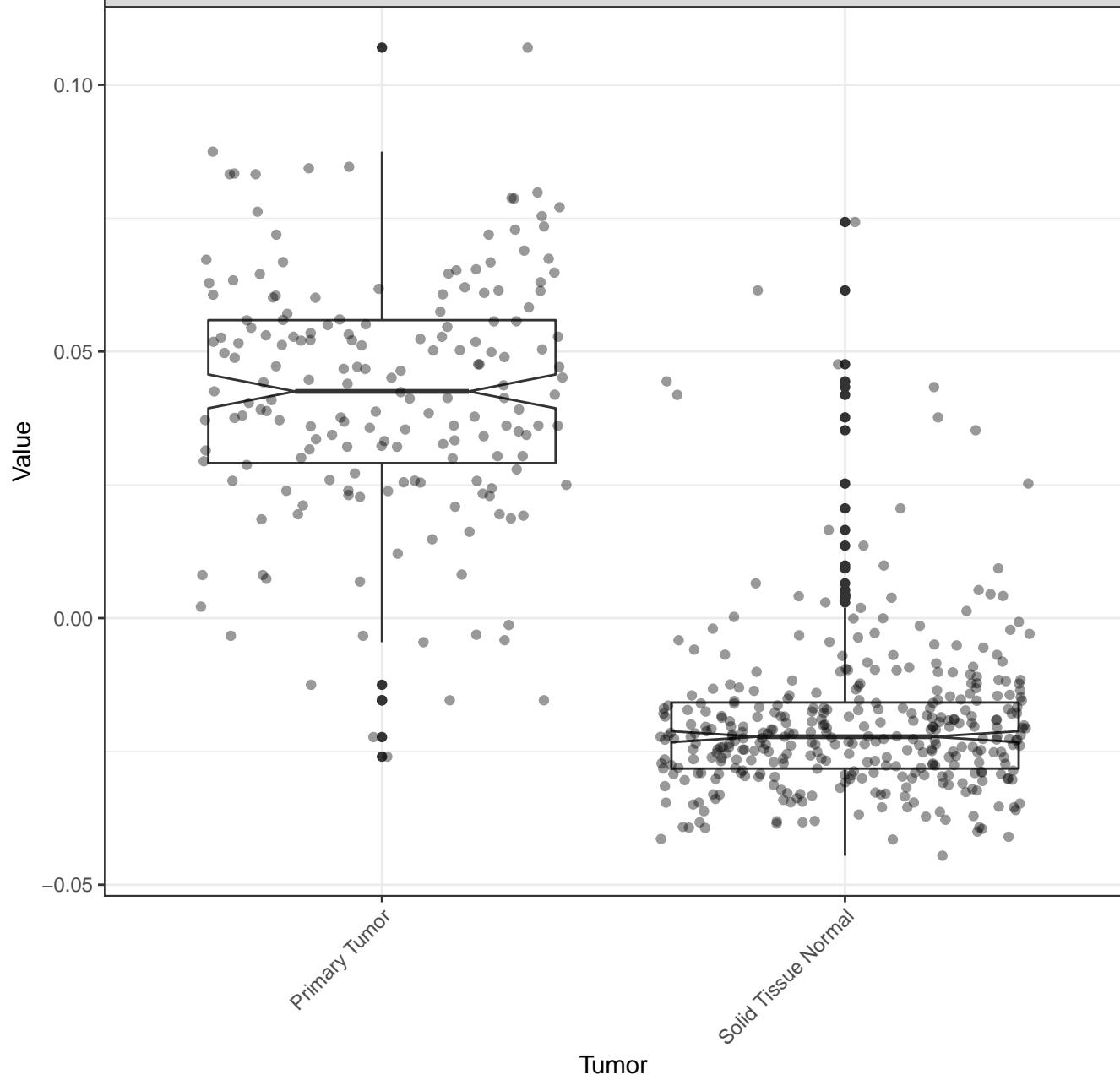
Primary Tumor

Solid Tissue Normal

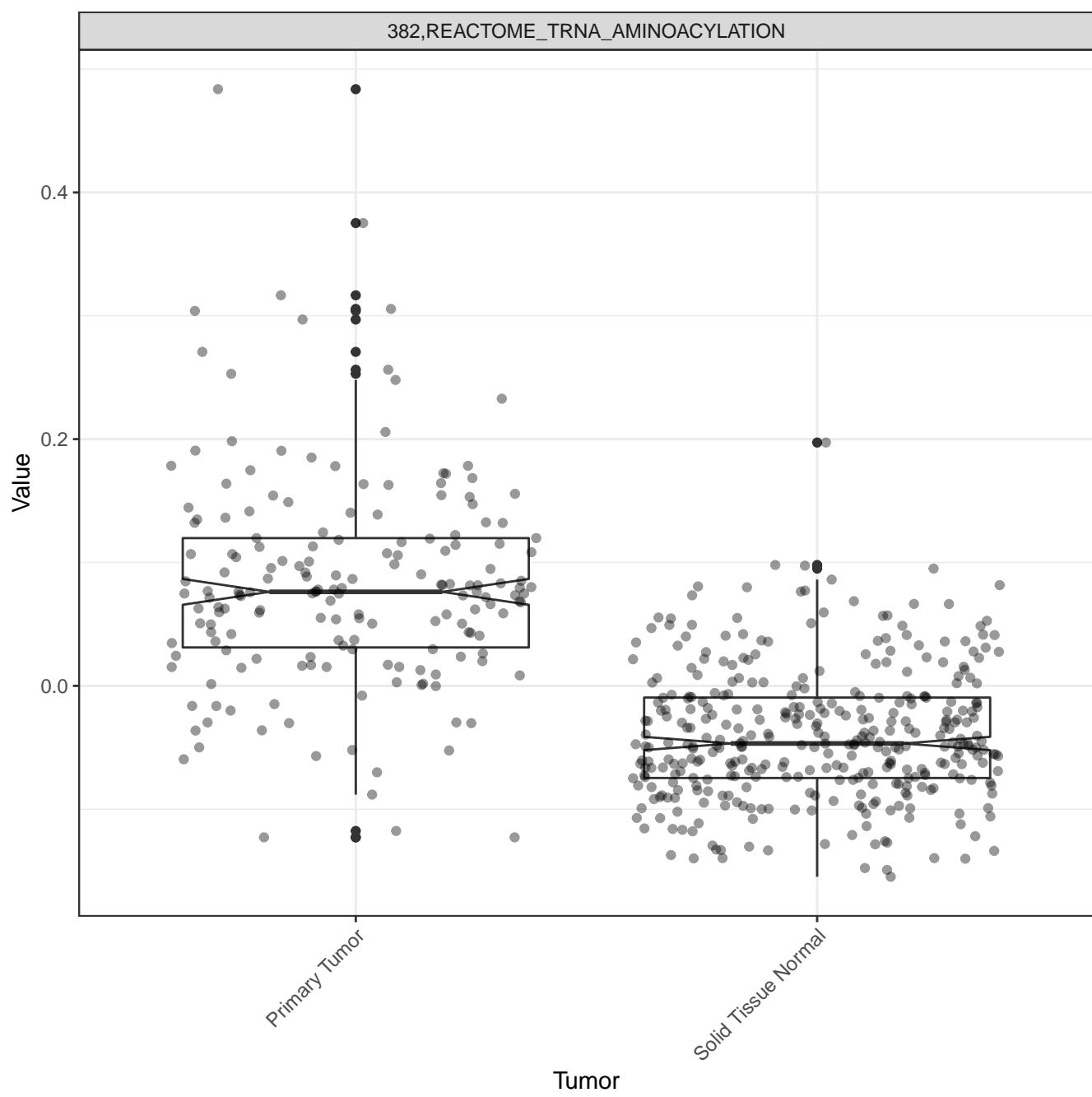
Tumor



381,MIPS_C_COMPLEX_SPLICEOSOME

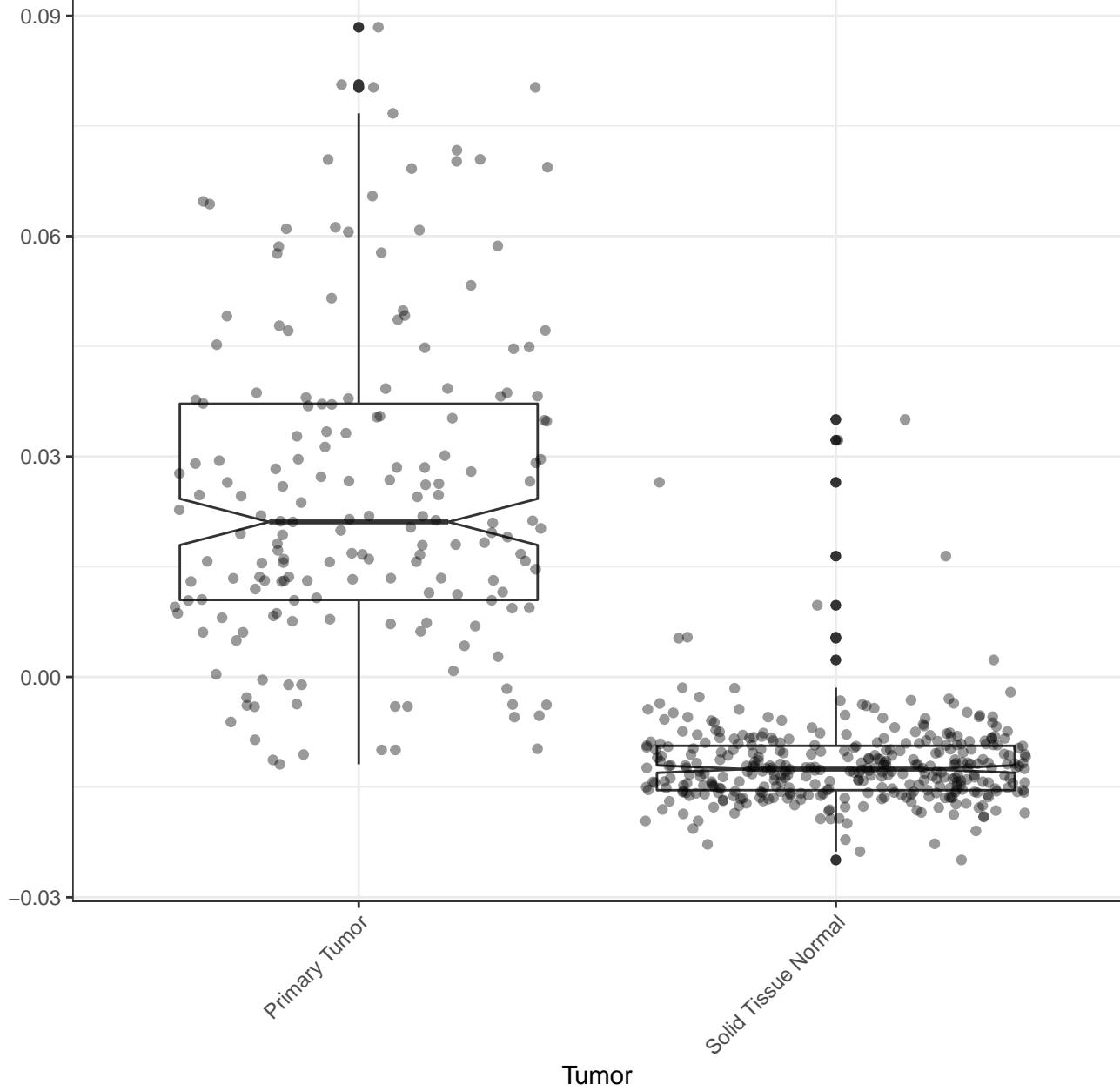


382,REACTOME_TRNA_AMINOACYLATION



LV 383

Value



384,PID_INTEGRIN1_PATHWAY

Value

0.15

0.10

0.05

0.00

Primary Tumor

Solid Tissue Normal

Tumor

