

1,REACTOME_MRNA_SPLICING

Value

0.4

0.2

0.0

-0.2

Group 3

subgroup

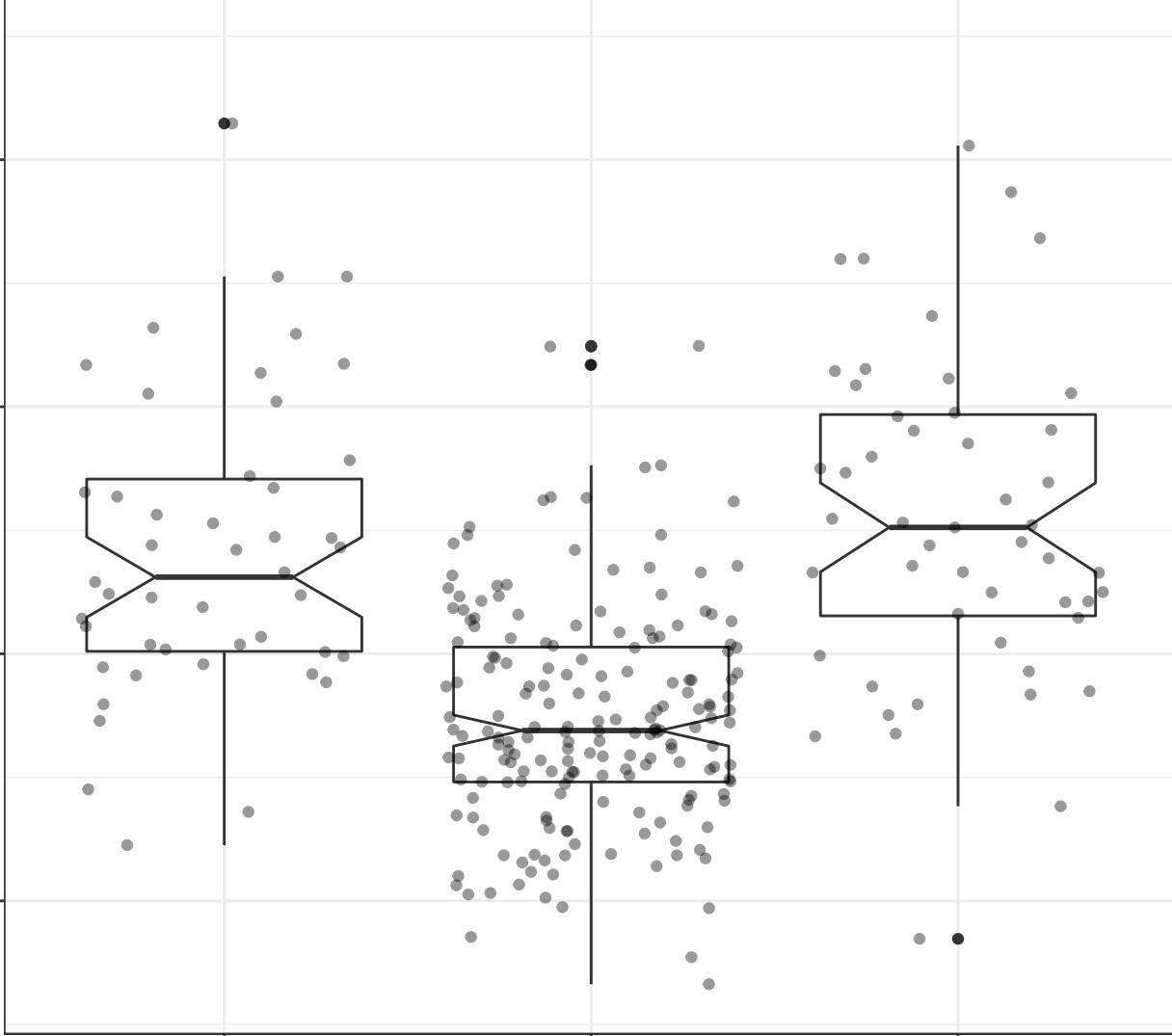
SHH

Group 4

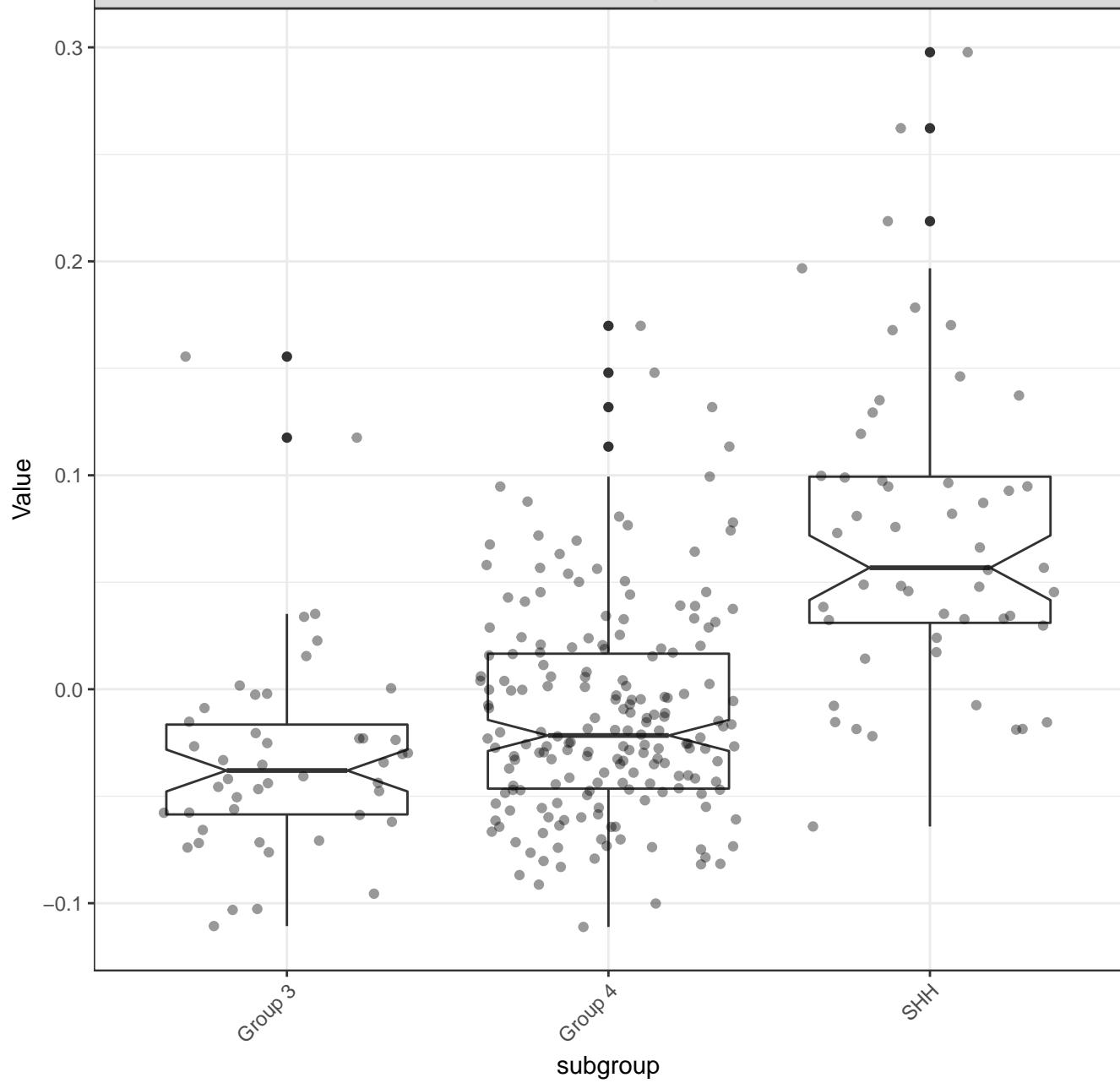
SHH

Group 5

SHH



2,SVM Monocytes



3,REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES

Value

0.4

0.2

0.0

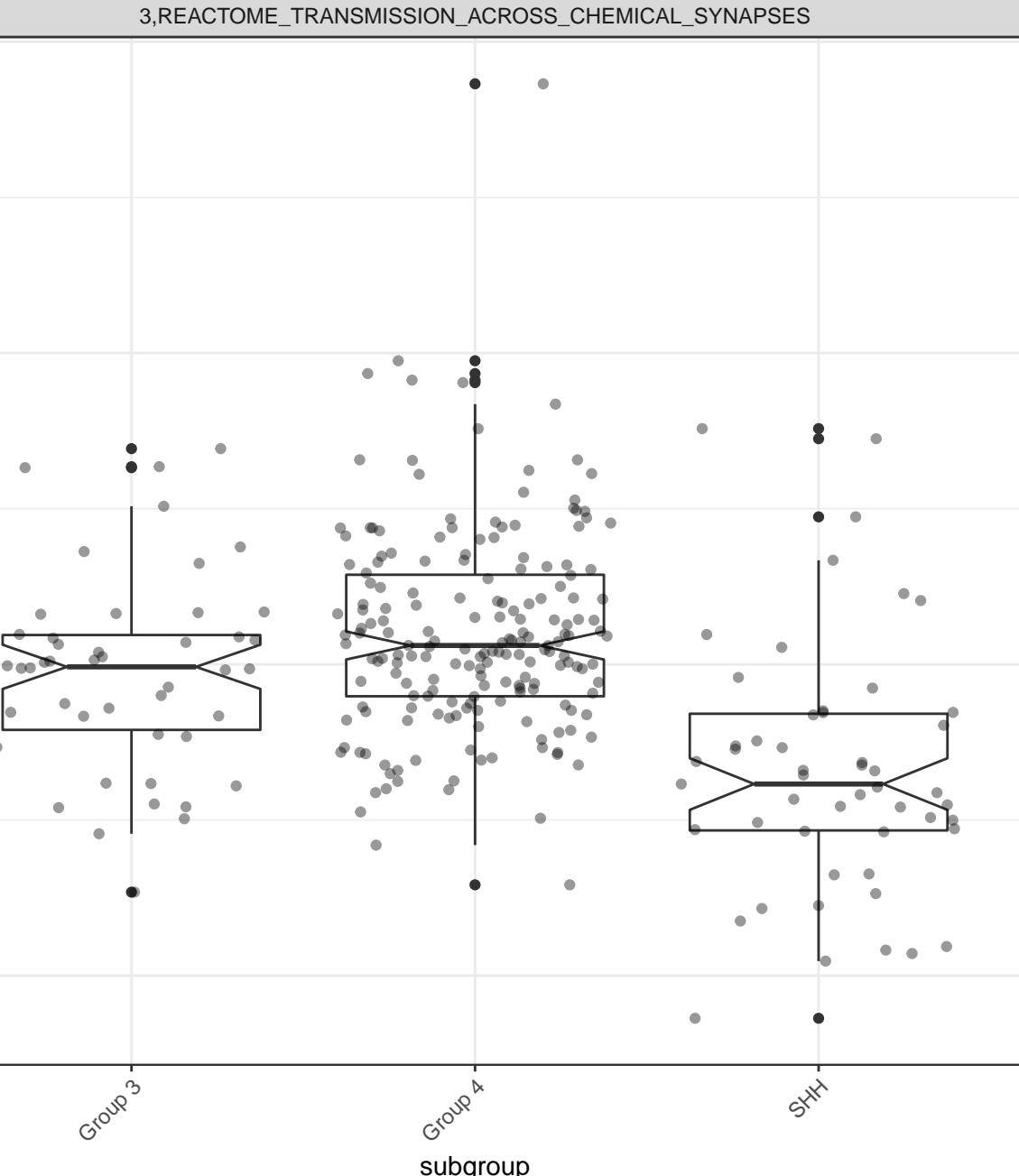
-0.2

Group 3

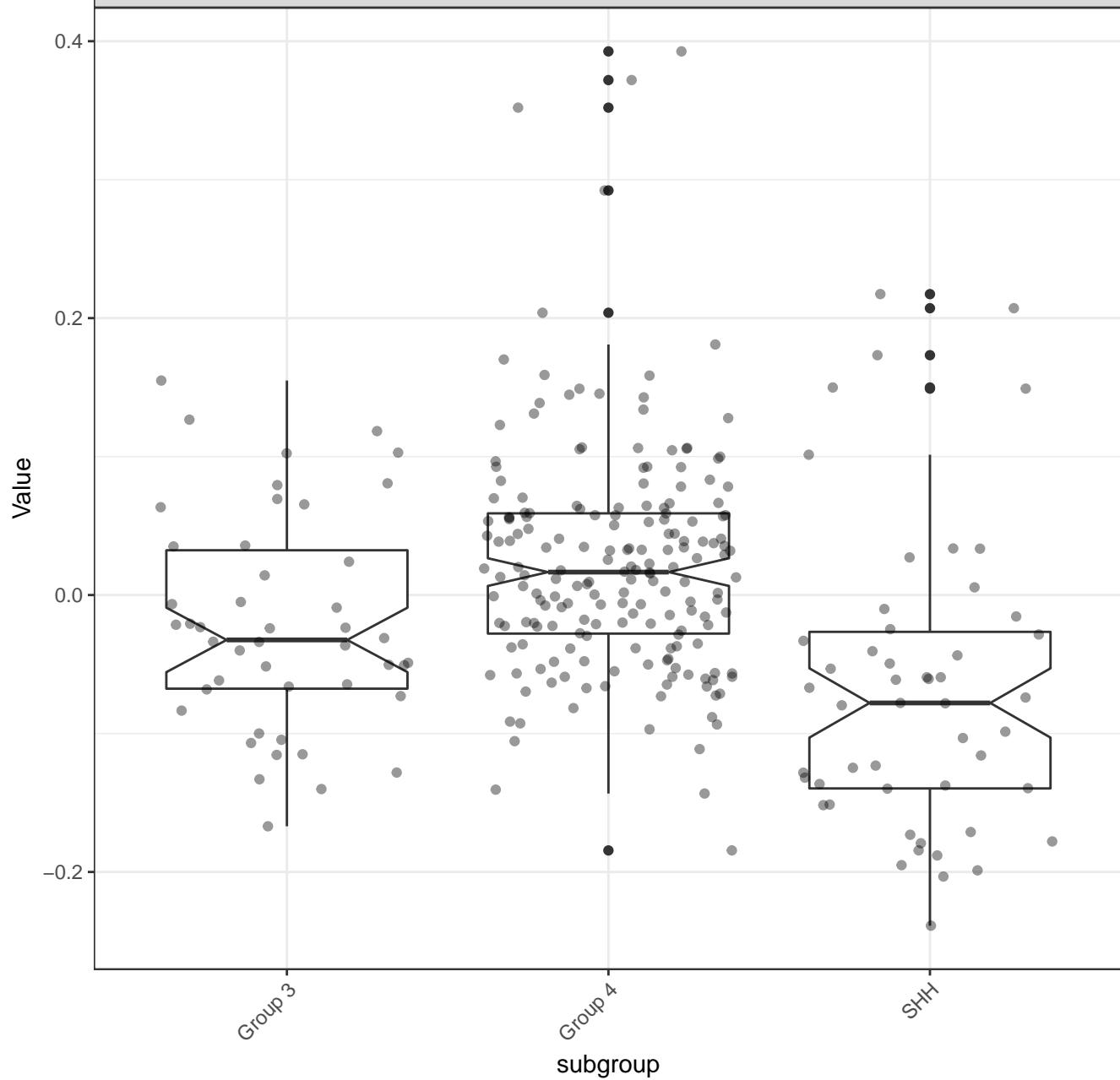
Group 4

SHH

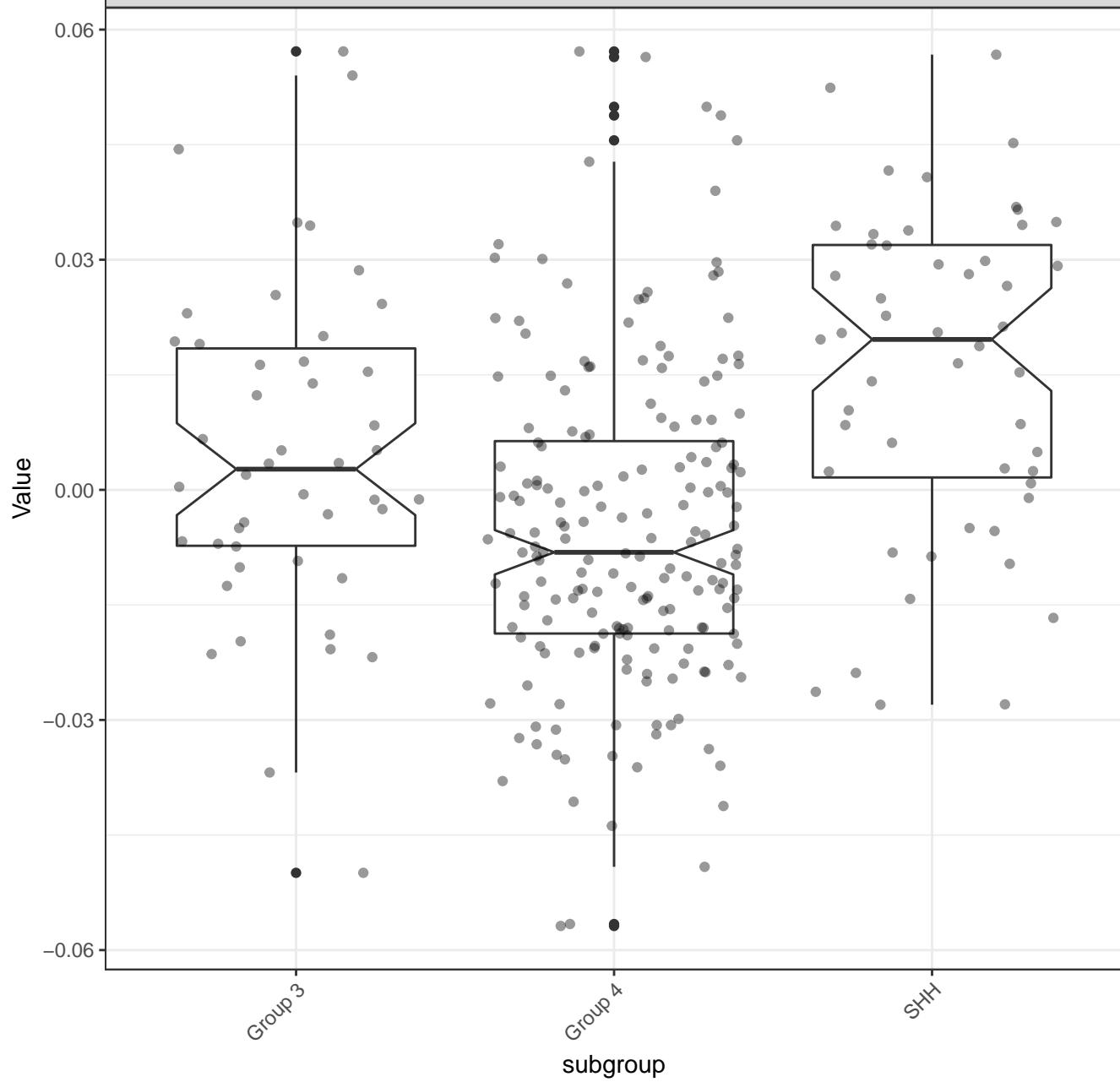
subgroup



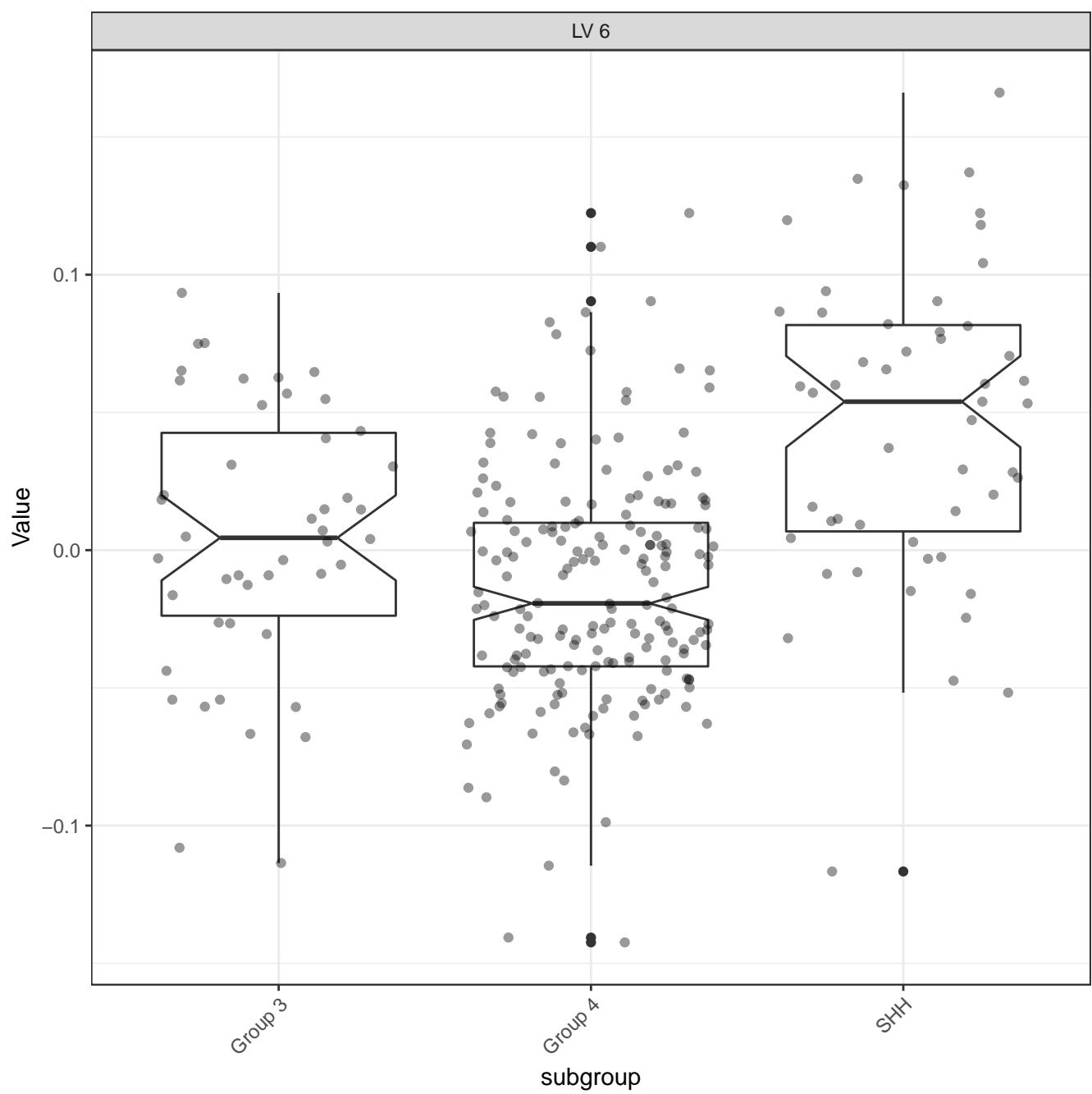
4,REACTOME_NEURONAL_SYSTEM



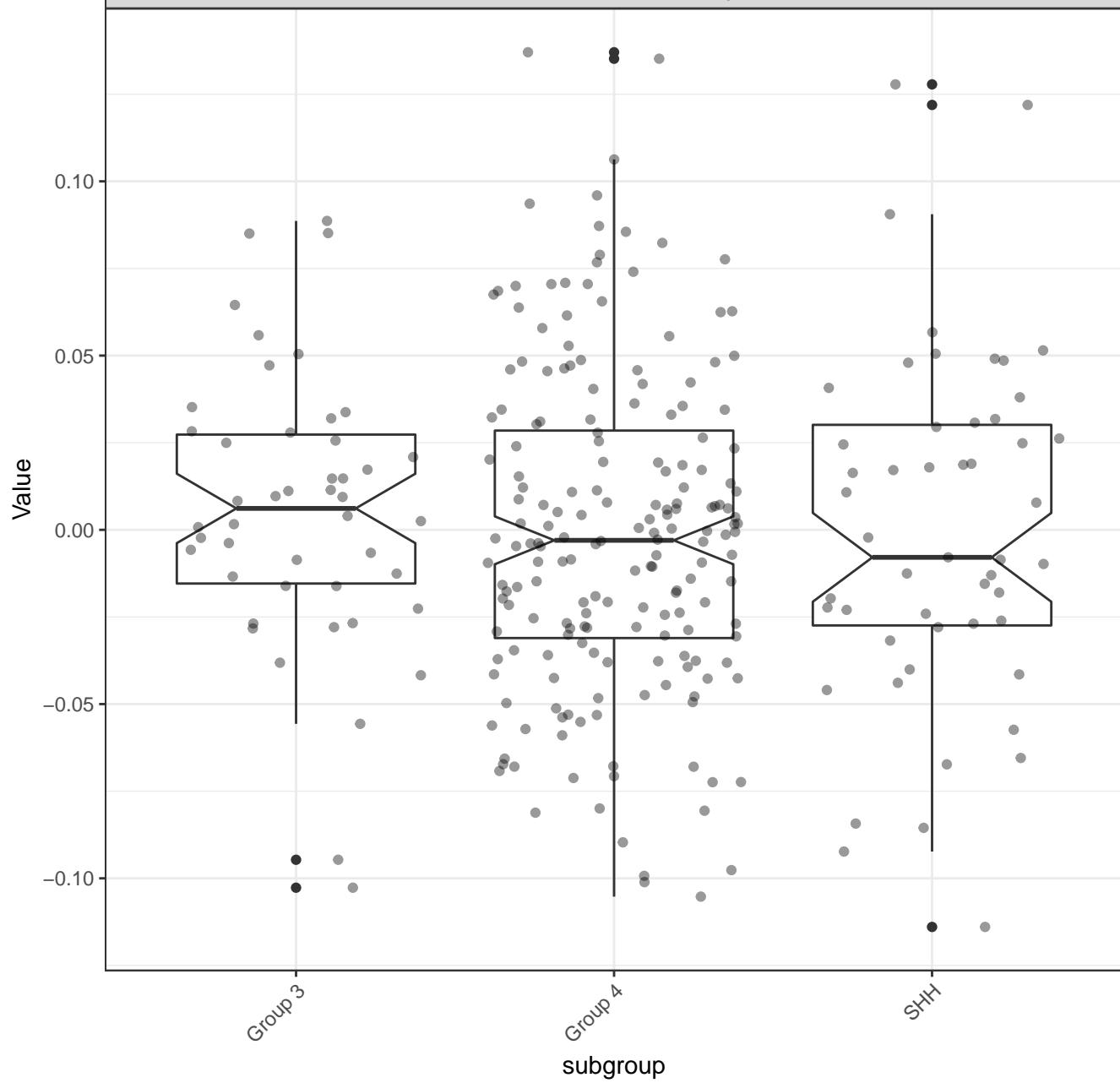
LV 5



LV 6



7,IRIS_Neutrophil–Resting



8,KEGG_PPAR_SIGNALING_PATHWAY

Value

0.10

0.05

0.00

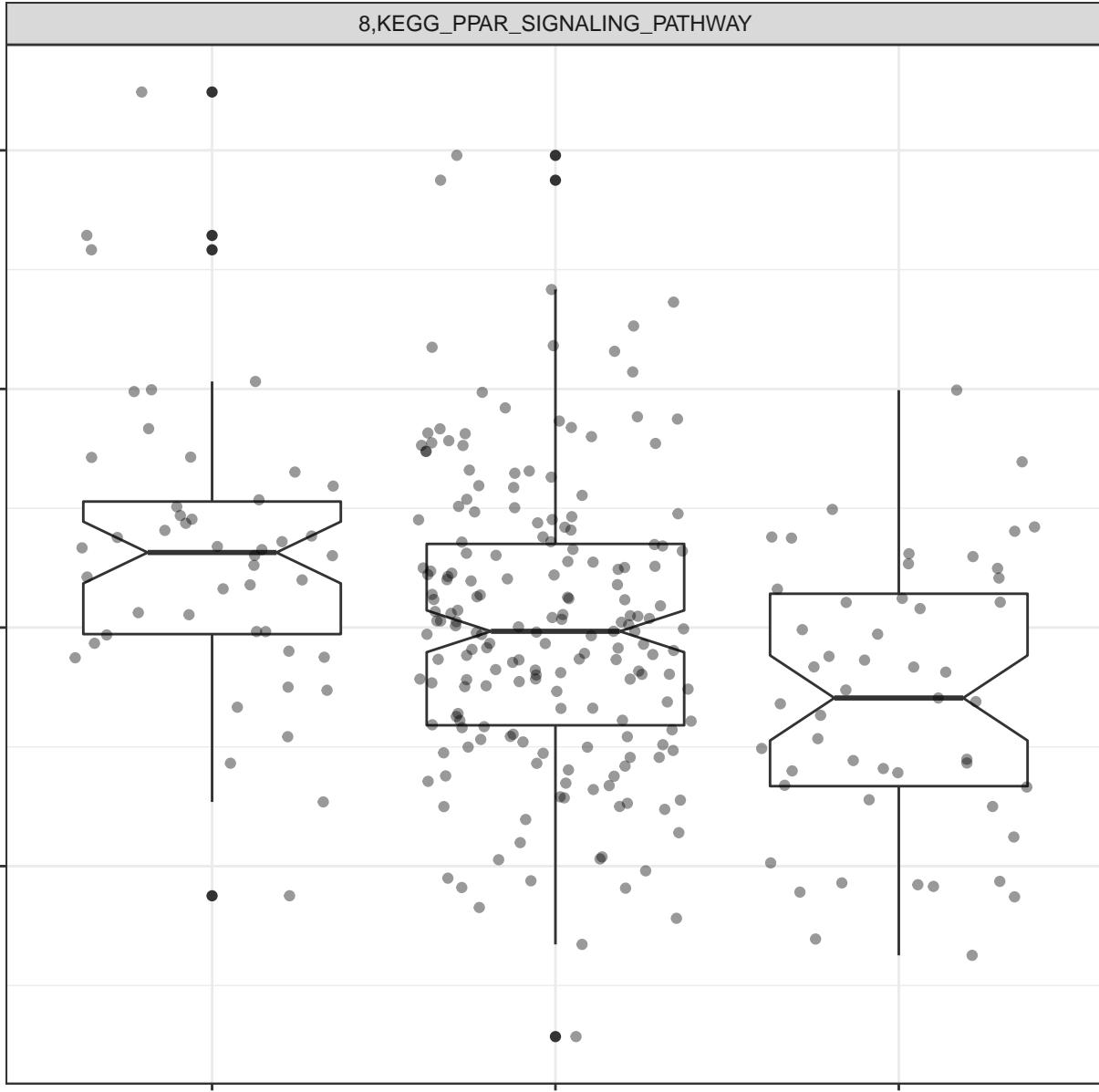
-0.05

Group 3

subgroup

Group 4

SHH



LV 9

Value

0.2

0.1

0.0

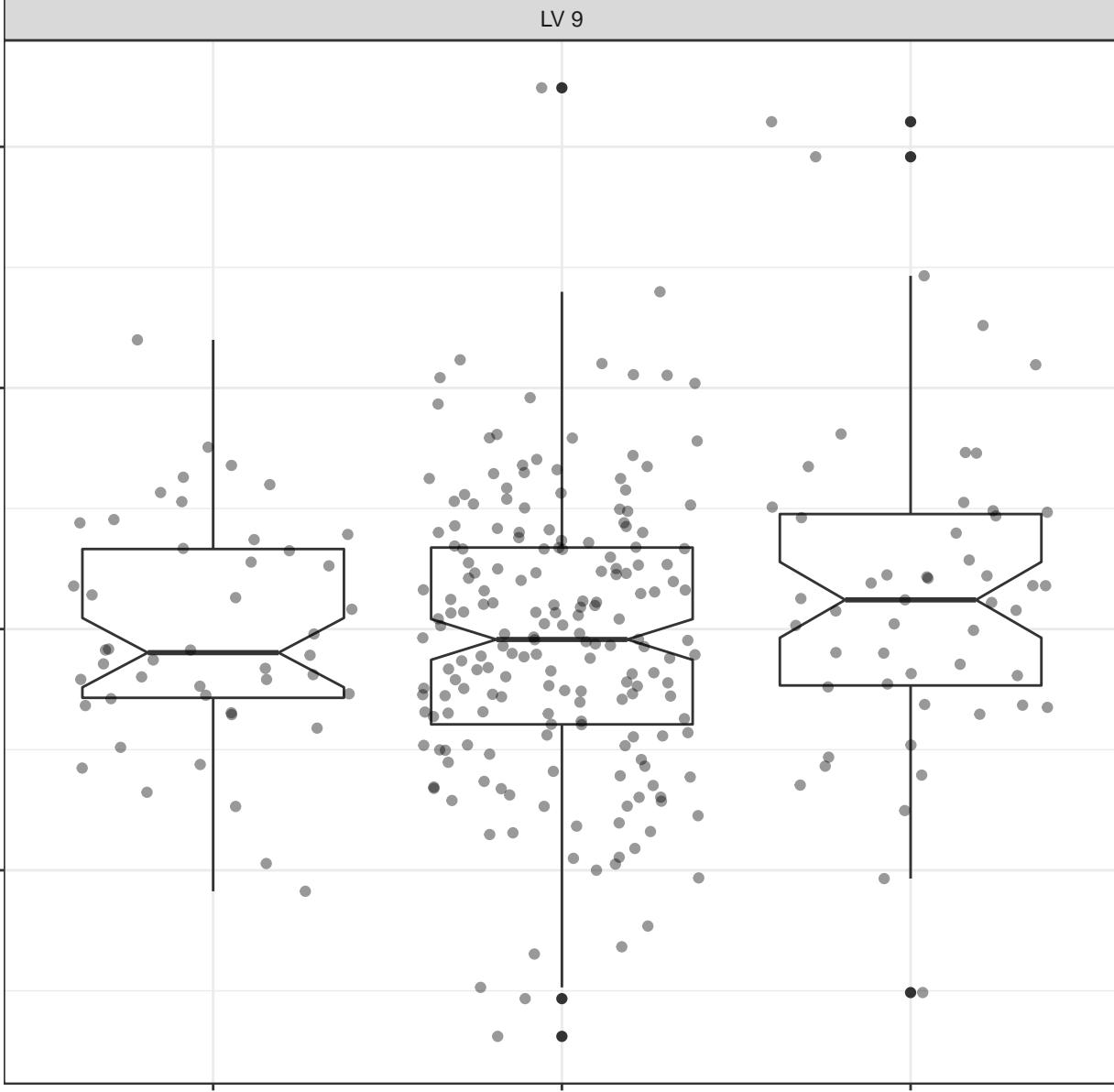
-0.1

Group 3

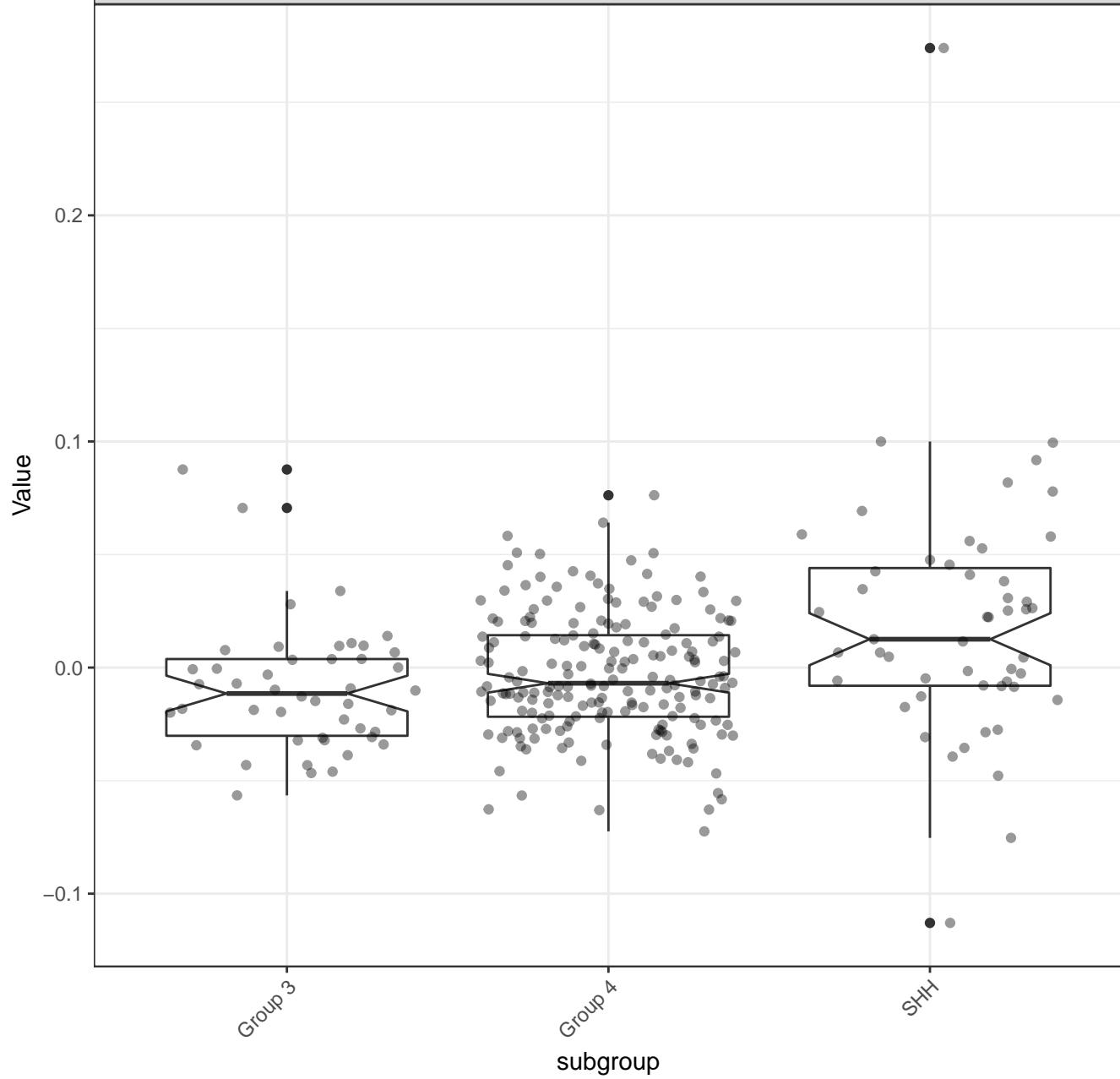
Group 4

SHH

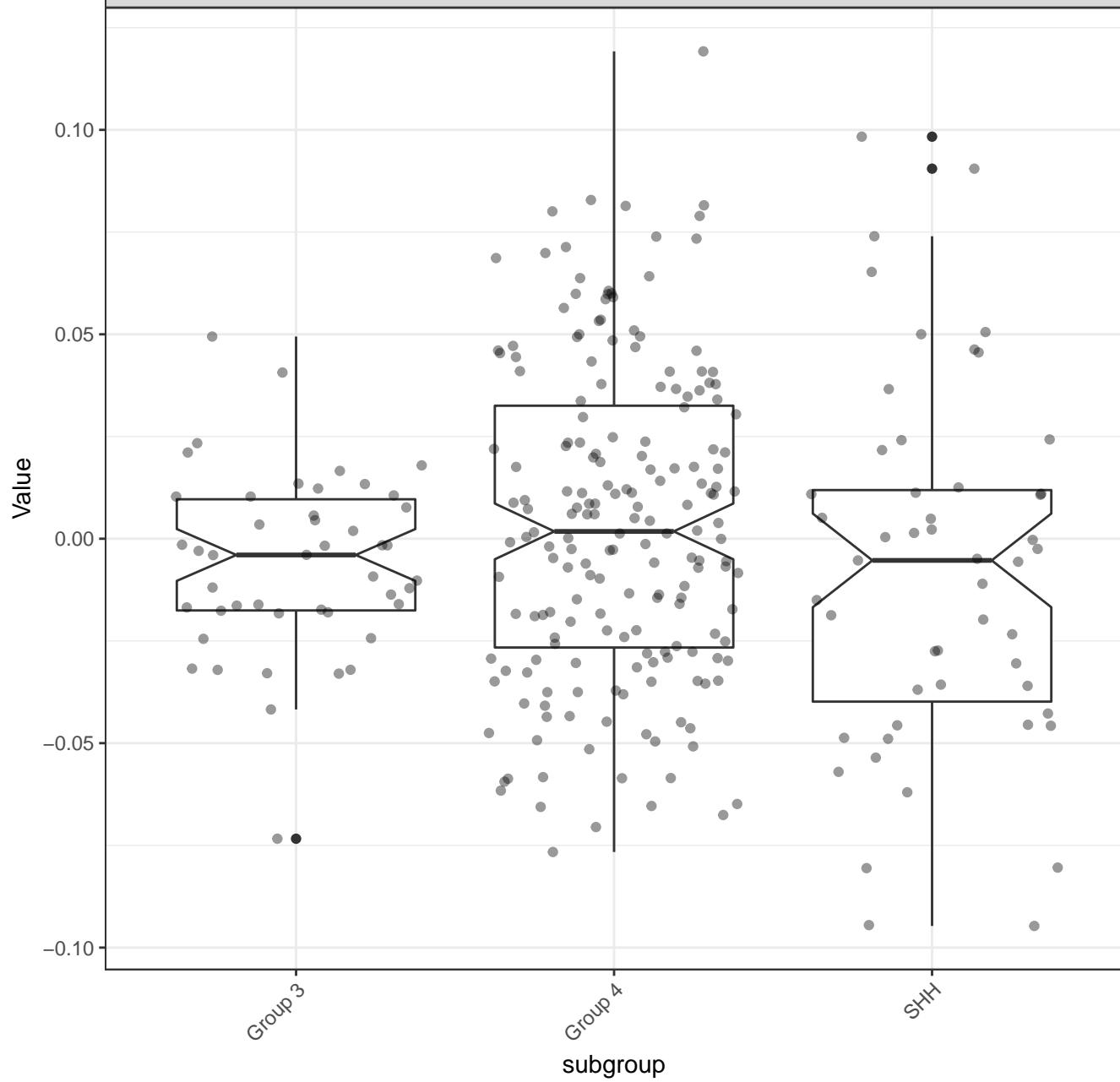
subgroup



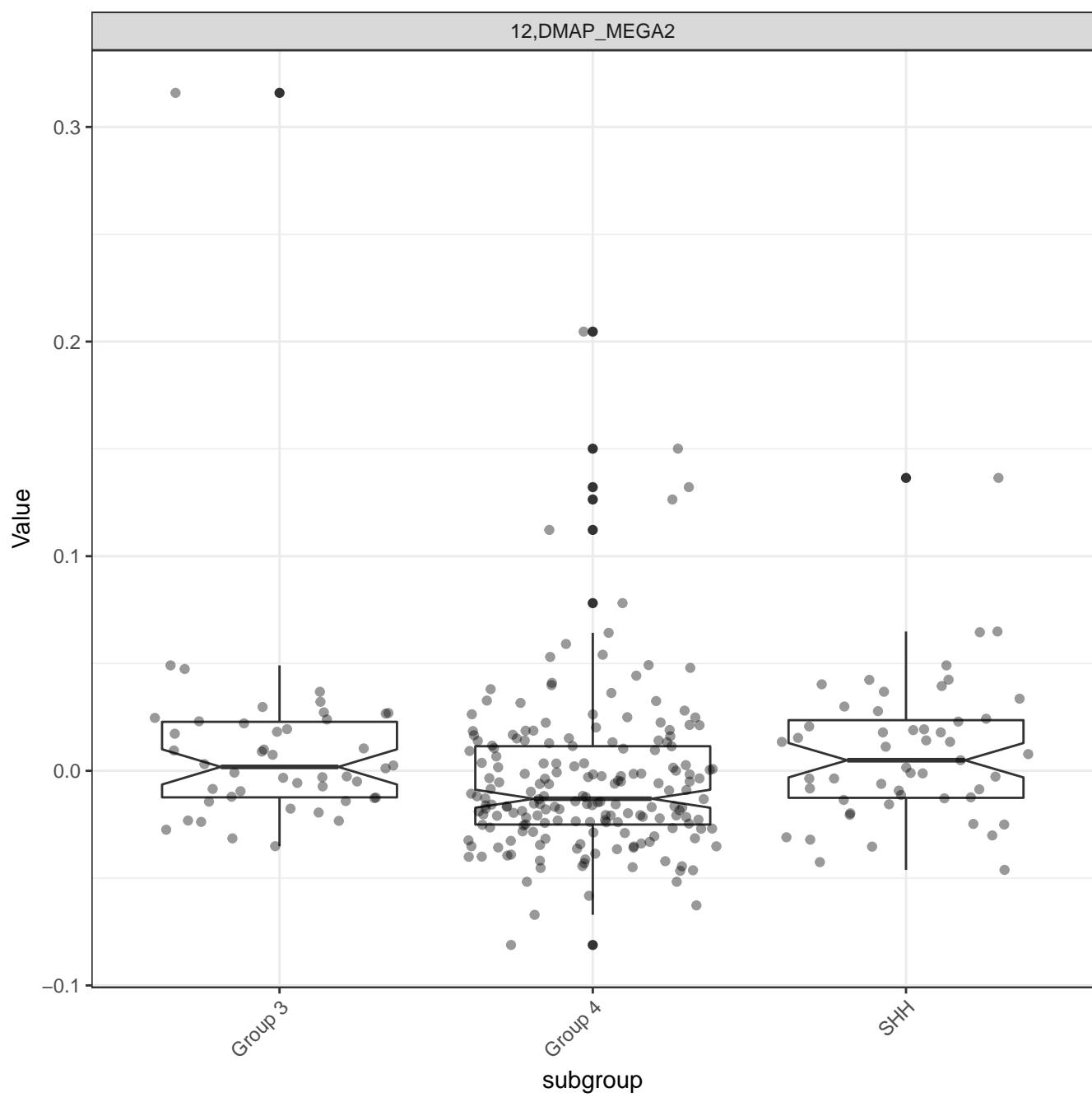
10,SVM Macrophages M0



LV 11



12,DMAP_MEWA2



13,REACTOME_GLUCOSE_METABOLISM

Value

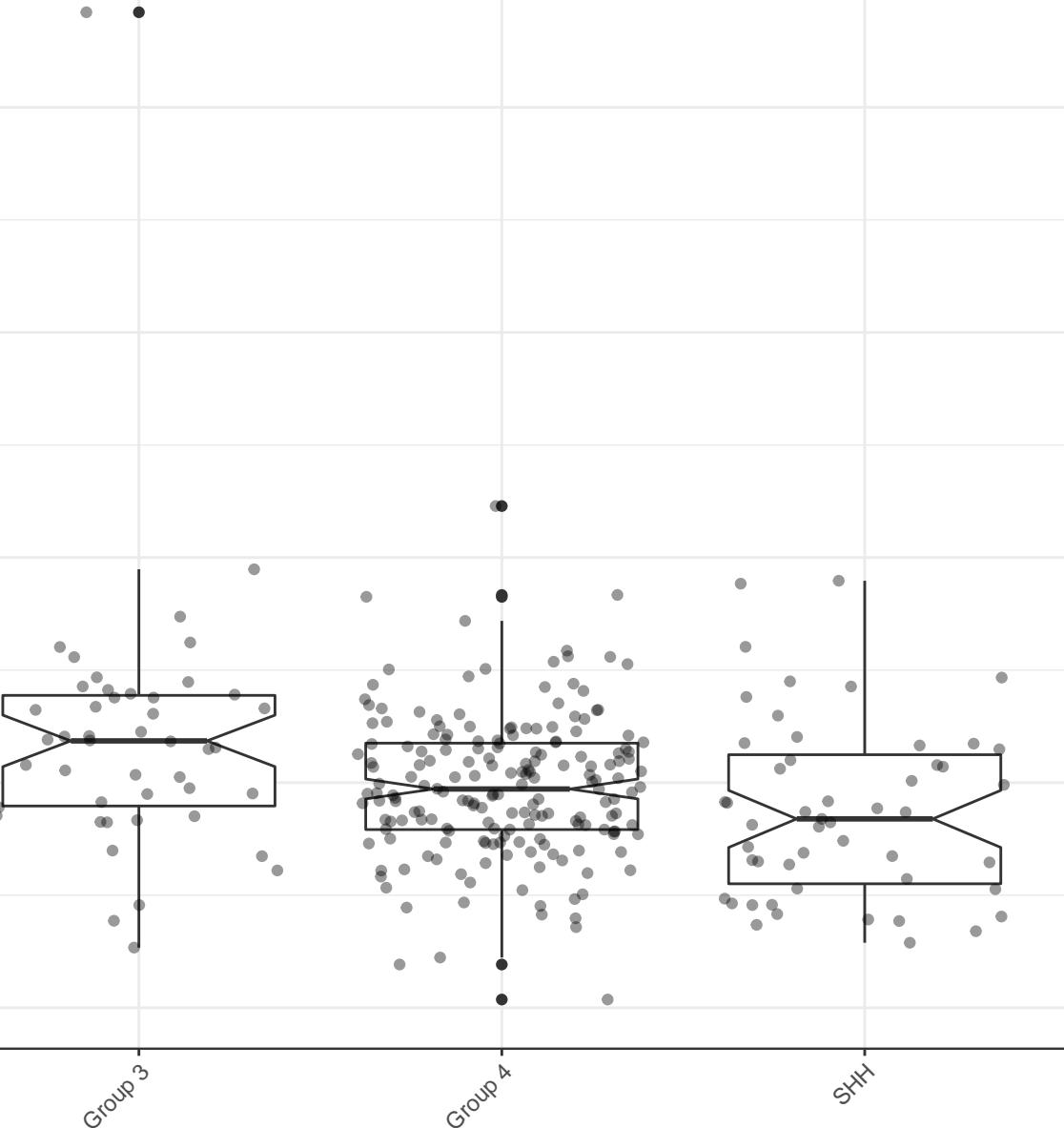
0.3
0.2
0.1
0.0
-0.1

Group 3

Group 4

SHH

subgroup



LV 14

Value

0.10

0.05

0.00

-0.05

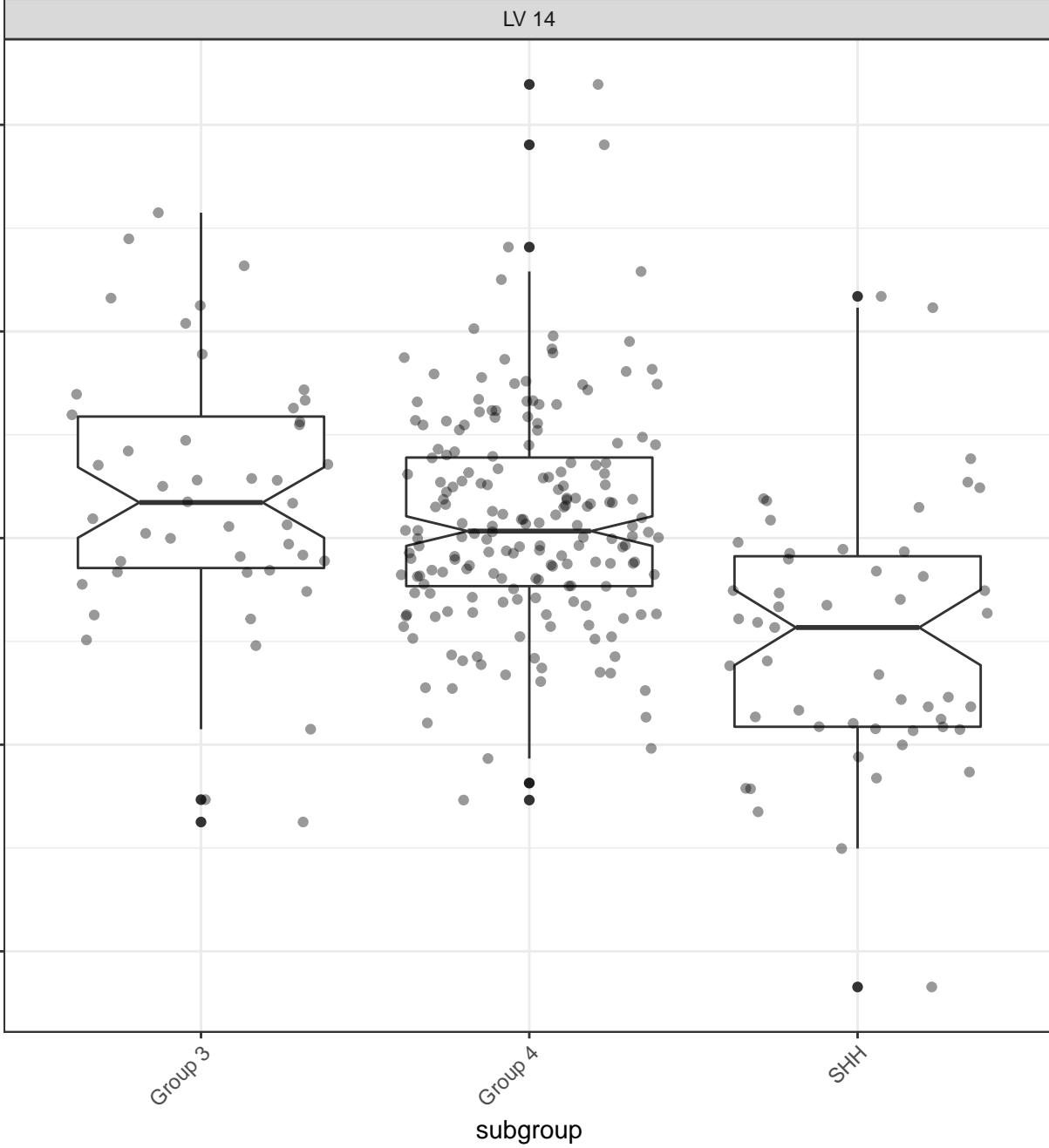
-0.10

Group 3

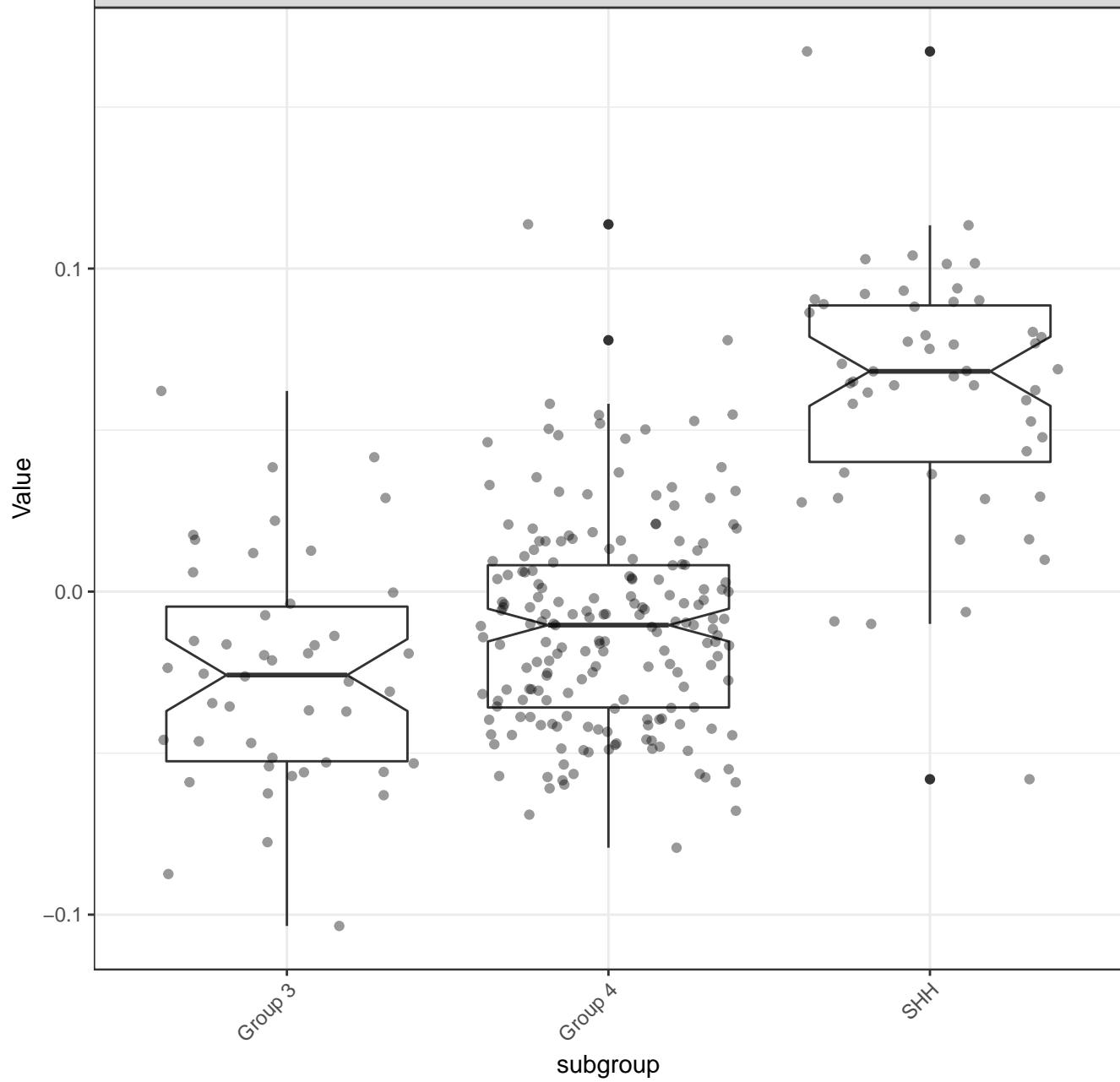
Group 4

SHH

subgroup



LV 15



LV 16

Value

0.1

0.0

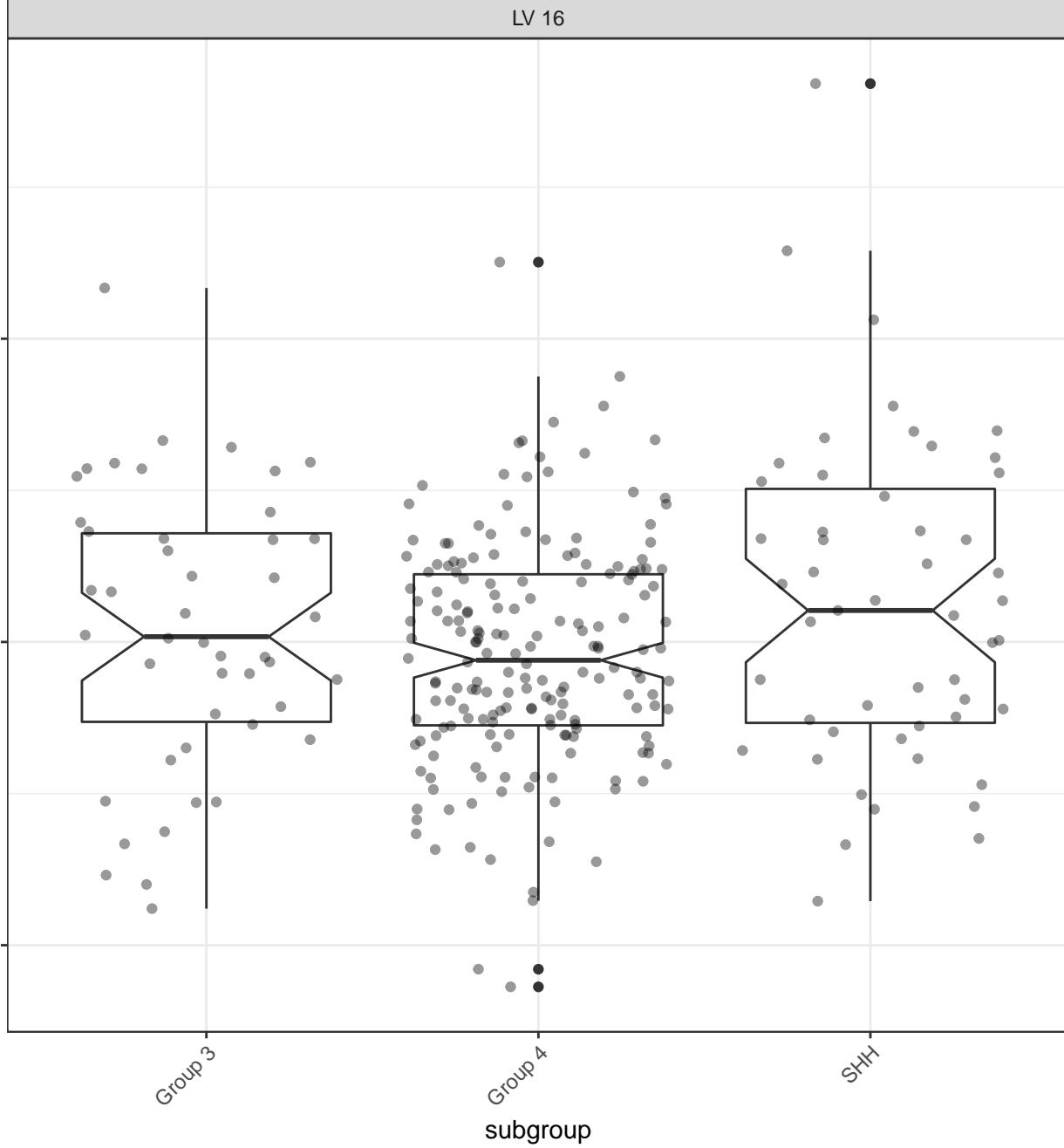
-0.1

Group 3

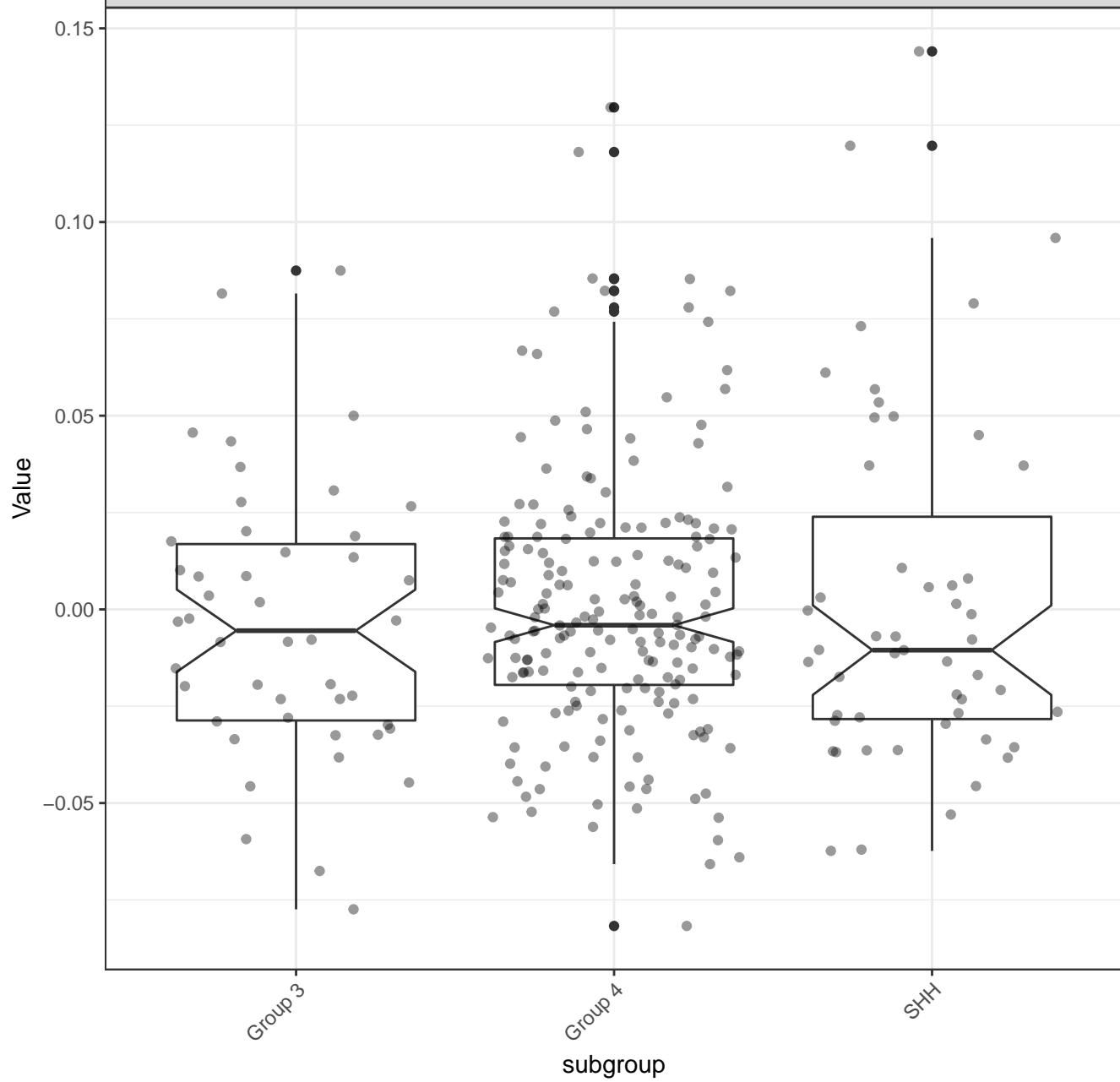
Group 4

SHH

subgroup



17,SVM NK cells resting



18,REACTOME_PHASE1_FUNCTIONALIZATION_OF_COMPOUNDS

Vvalue

0.1

0.0

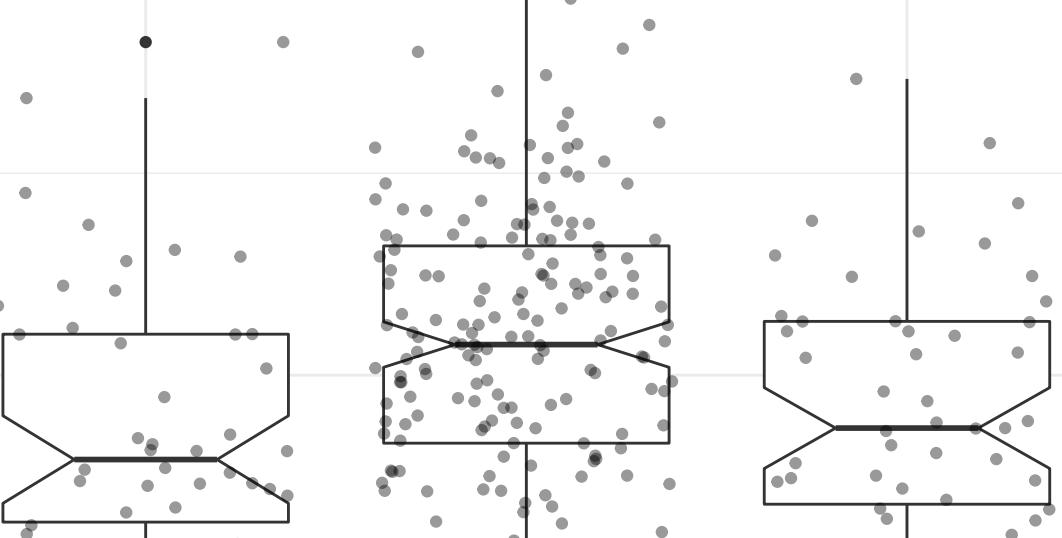
-0.1

Group³

Group⁴

SHH

subgroup



LV 19

Value

0.15

0.10

0.05

0.00

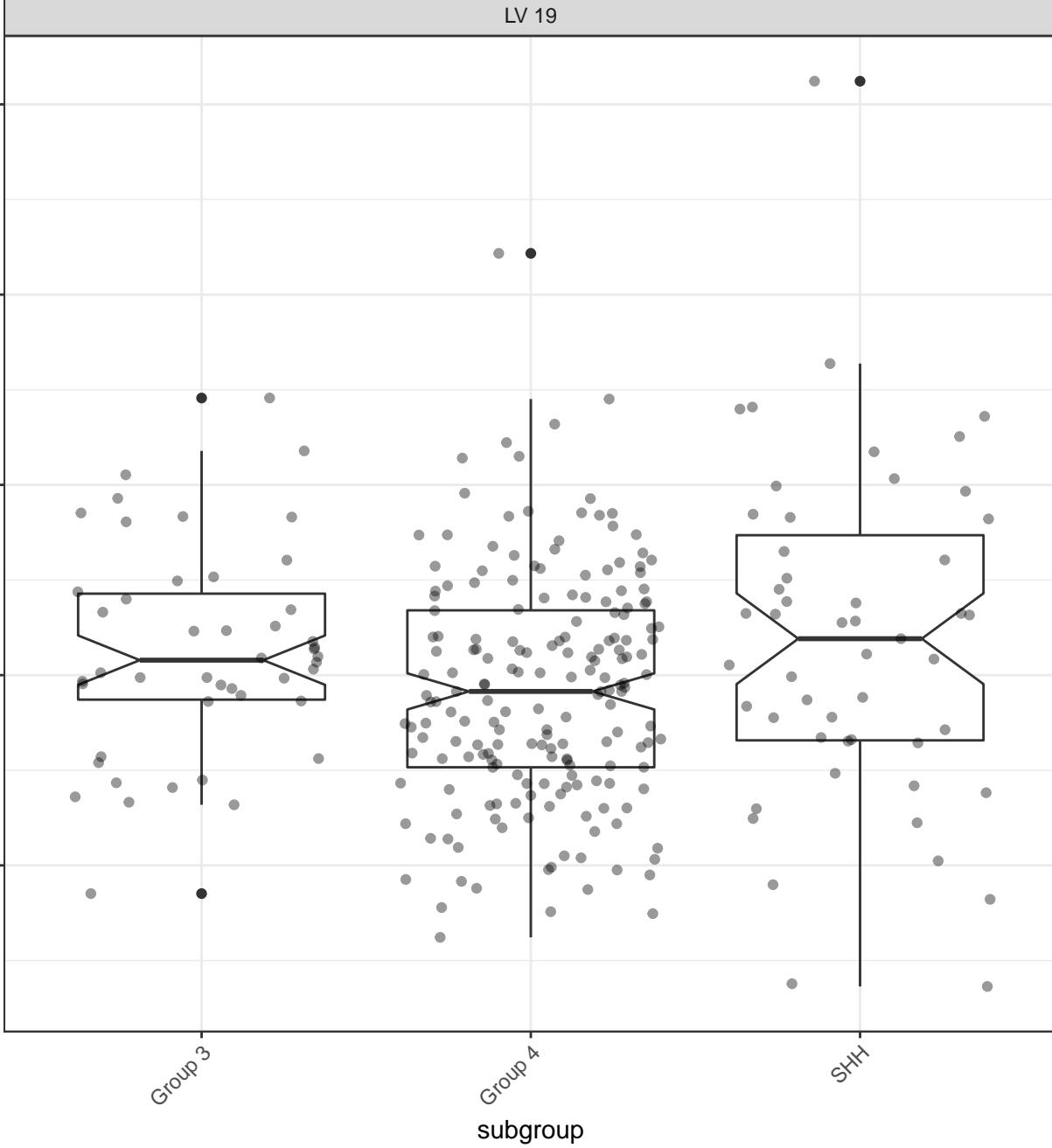
-0.05

Group 3

Group 4

SHH

subgroup



20,KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION

Value

0.10

0.05

0.00

-0.05

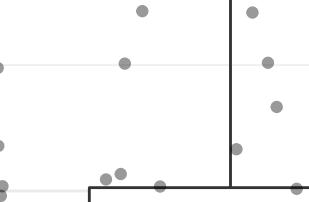
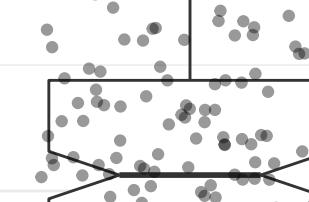
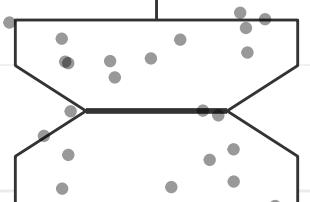
-0.10

Group 3

subgroup

Group 4

SHH



LV 21

Value

0.2

0.1

0.0

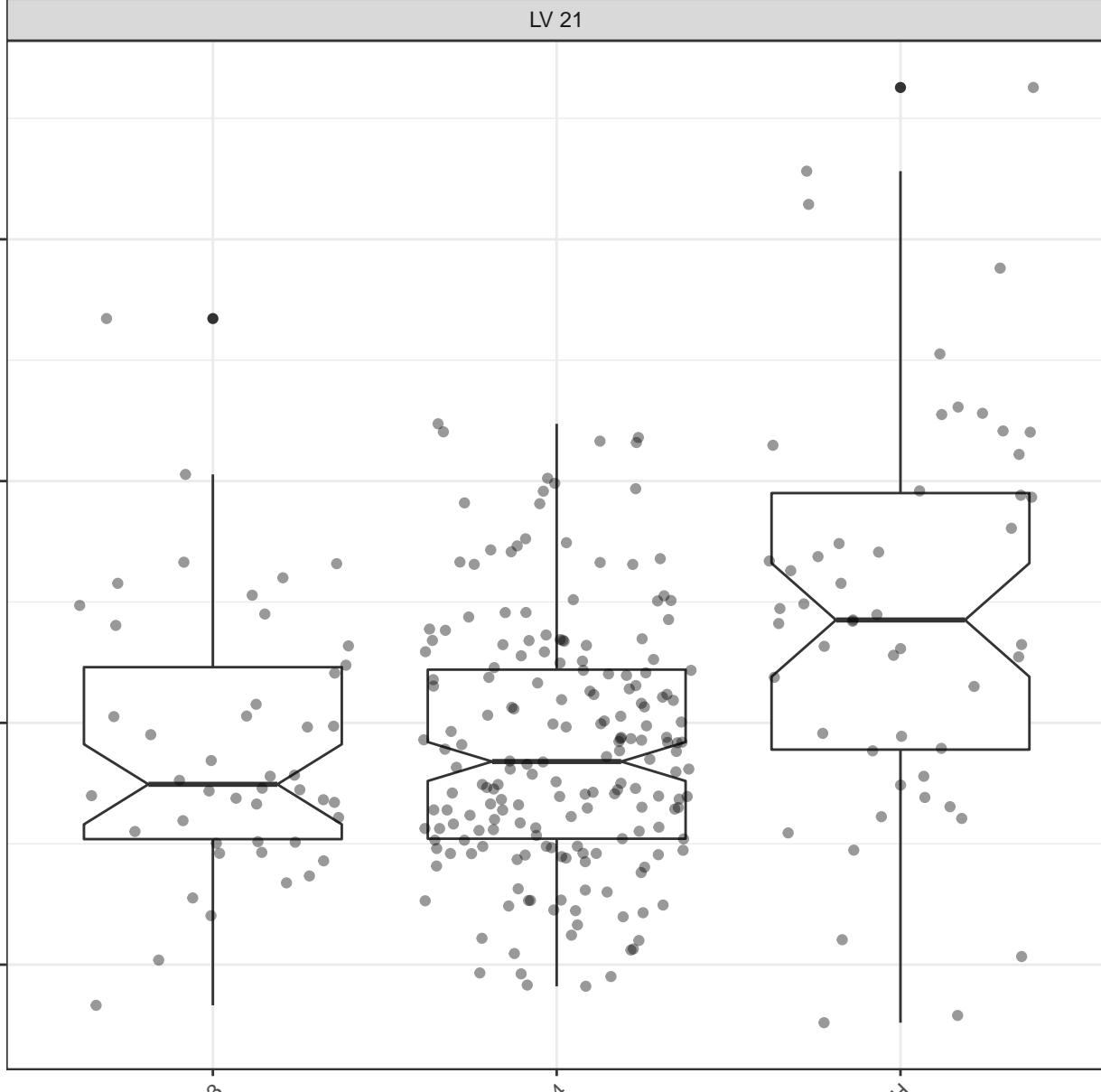
-0.1

Group 3

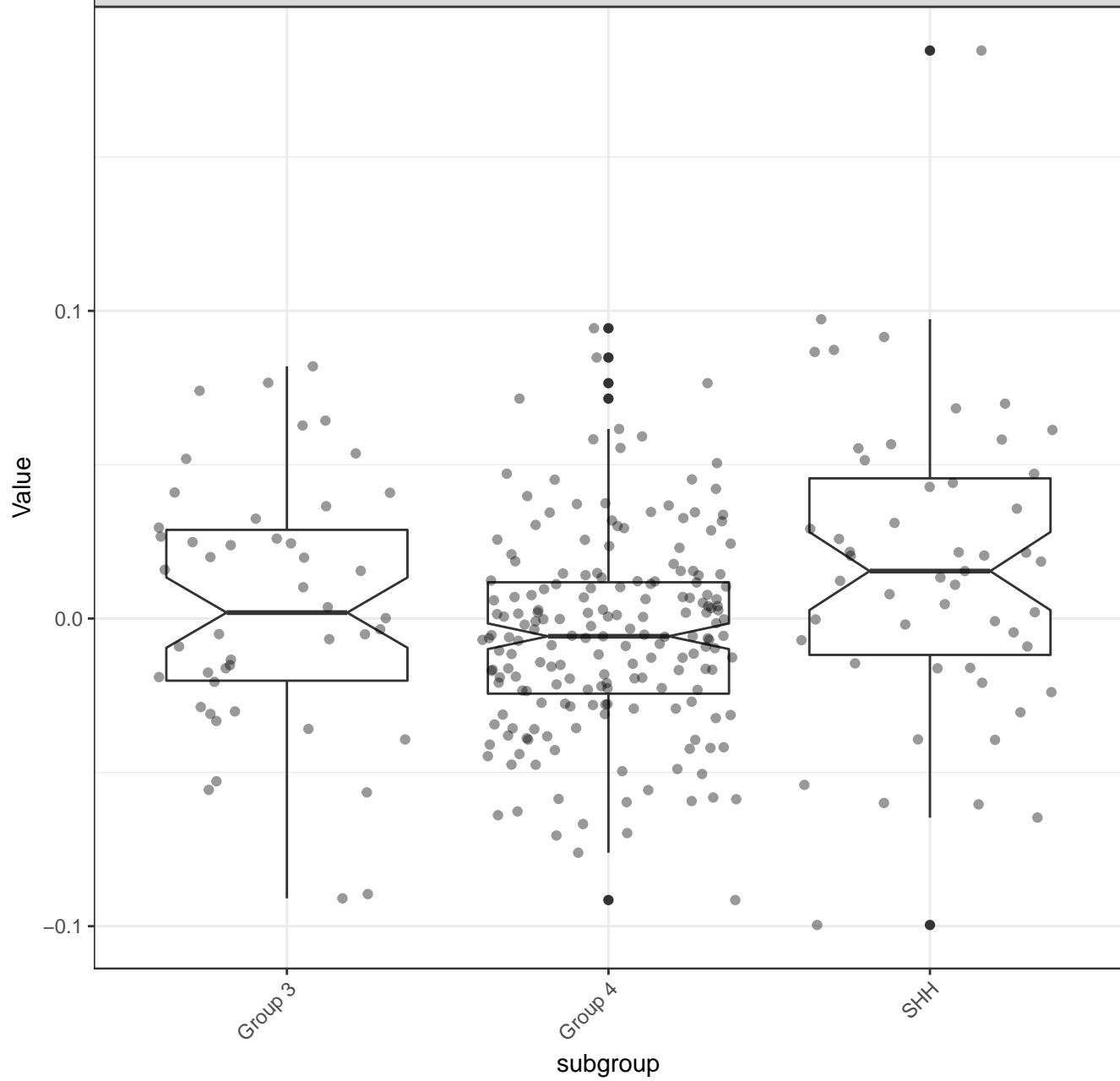
Group 4

SHH

subgroup



22,KEGG_PPAR_SIGNALING_PATHWAY



LV 23

Value

0.10

0.05

0.00

-0.05

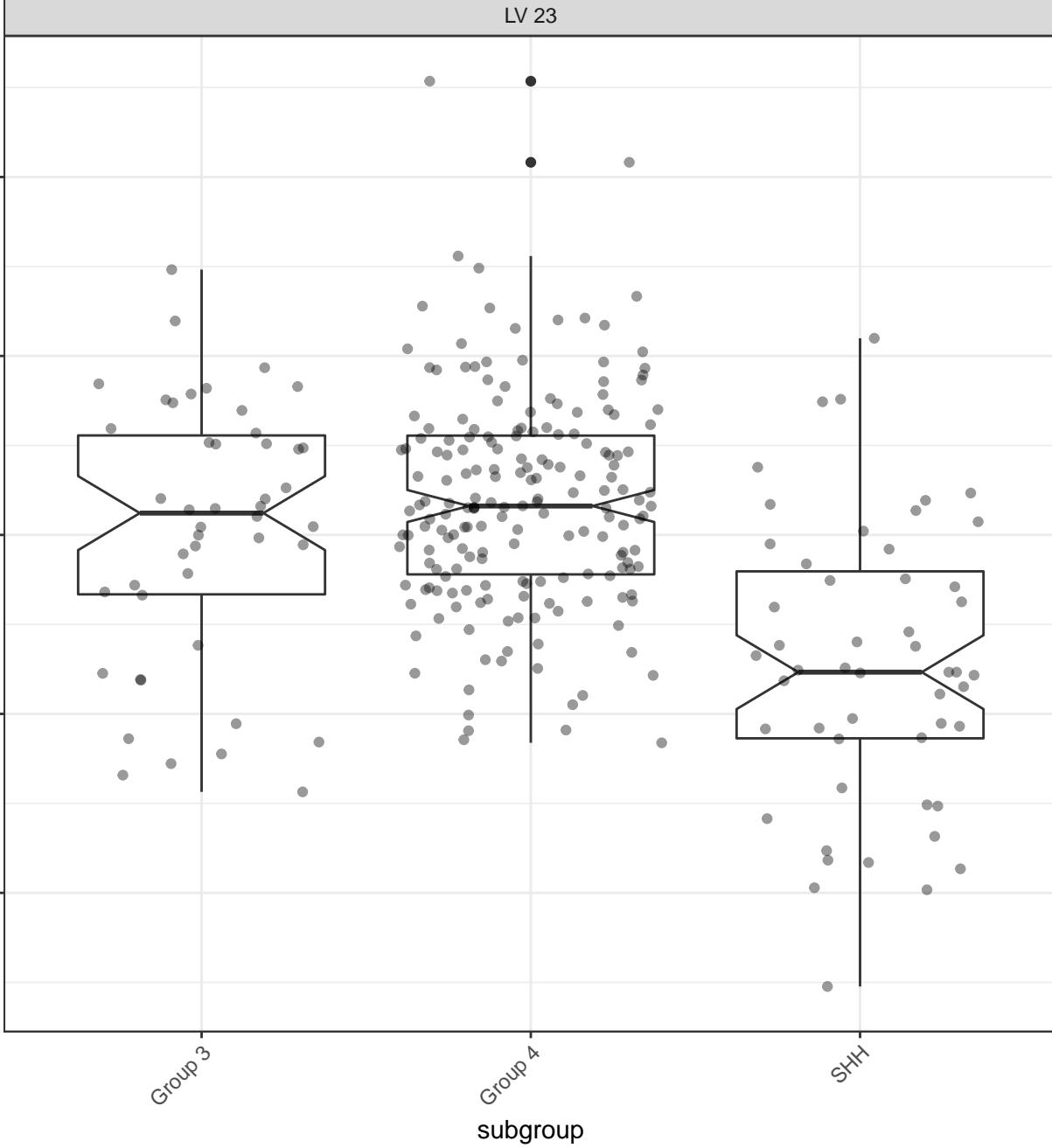
-0.10

Group 3

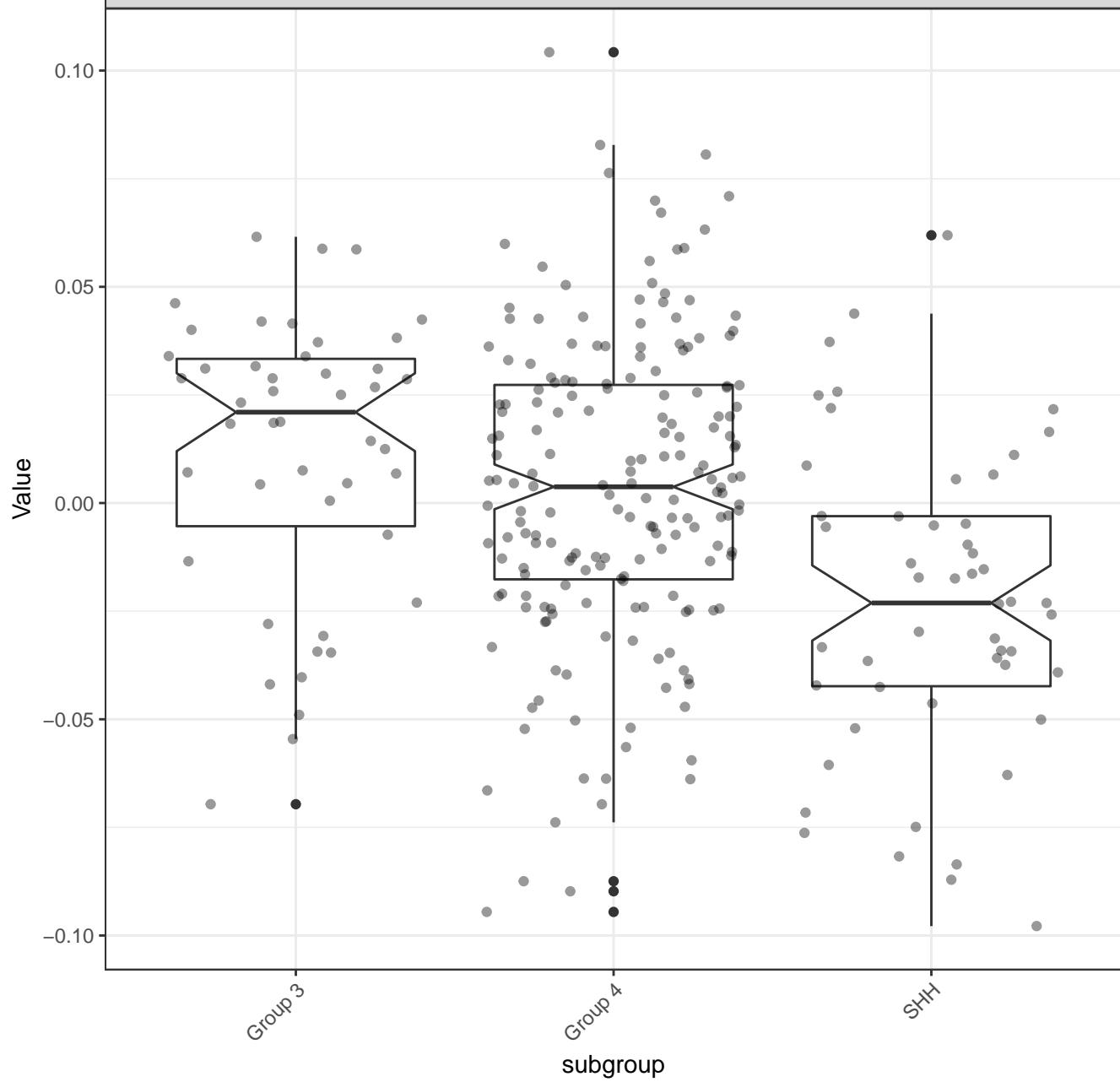
Group 4

SHH

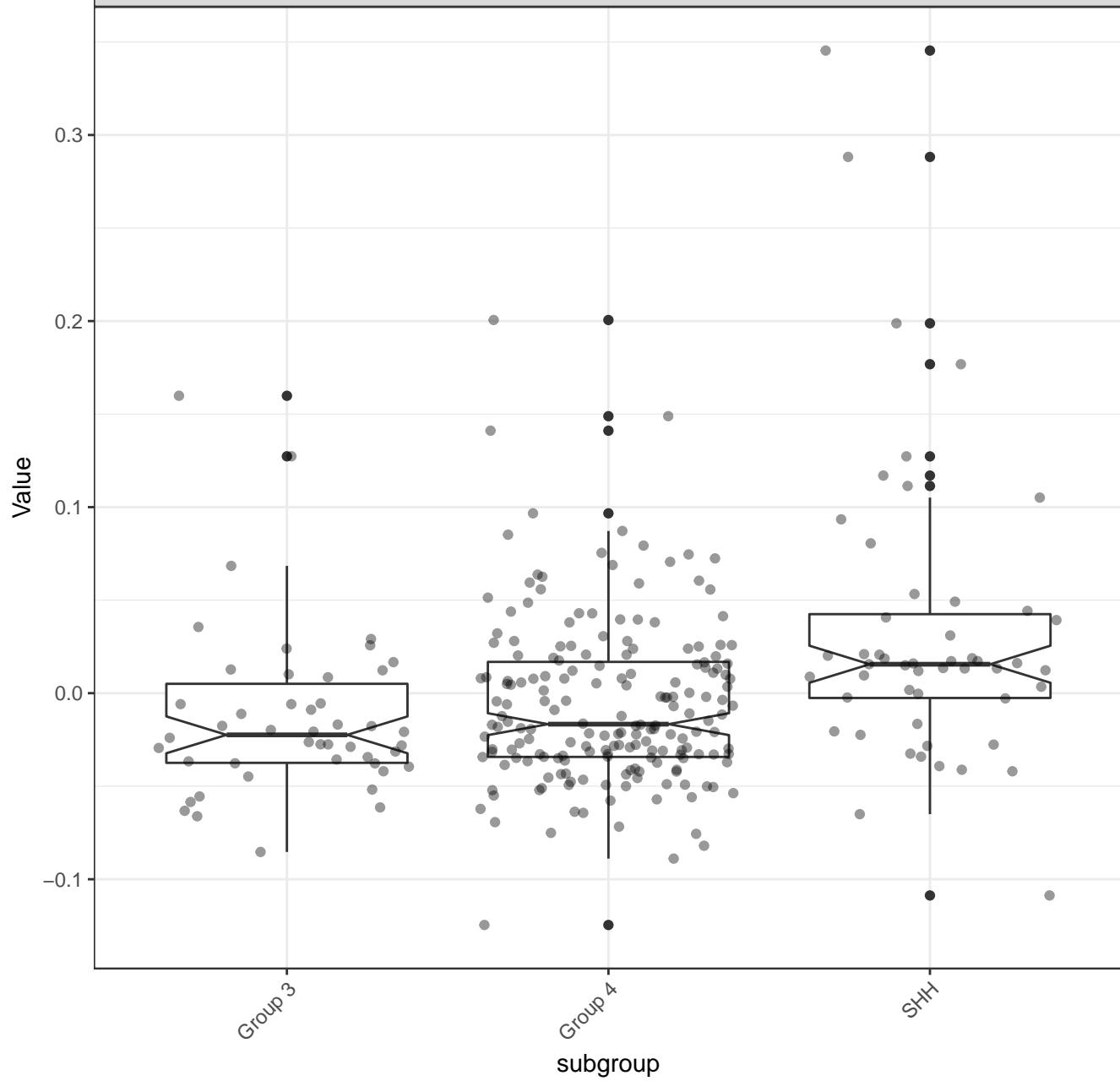
subgroup



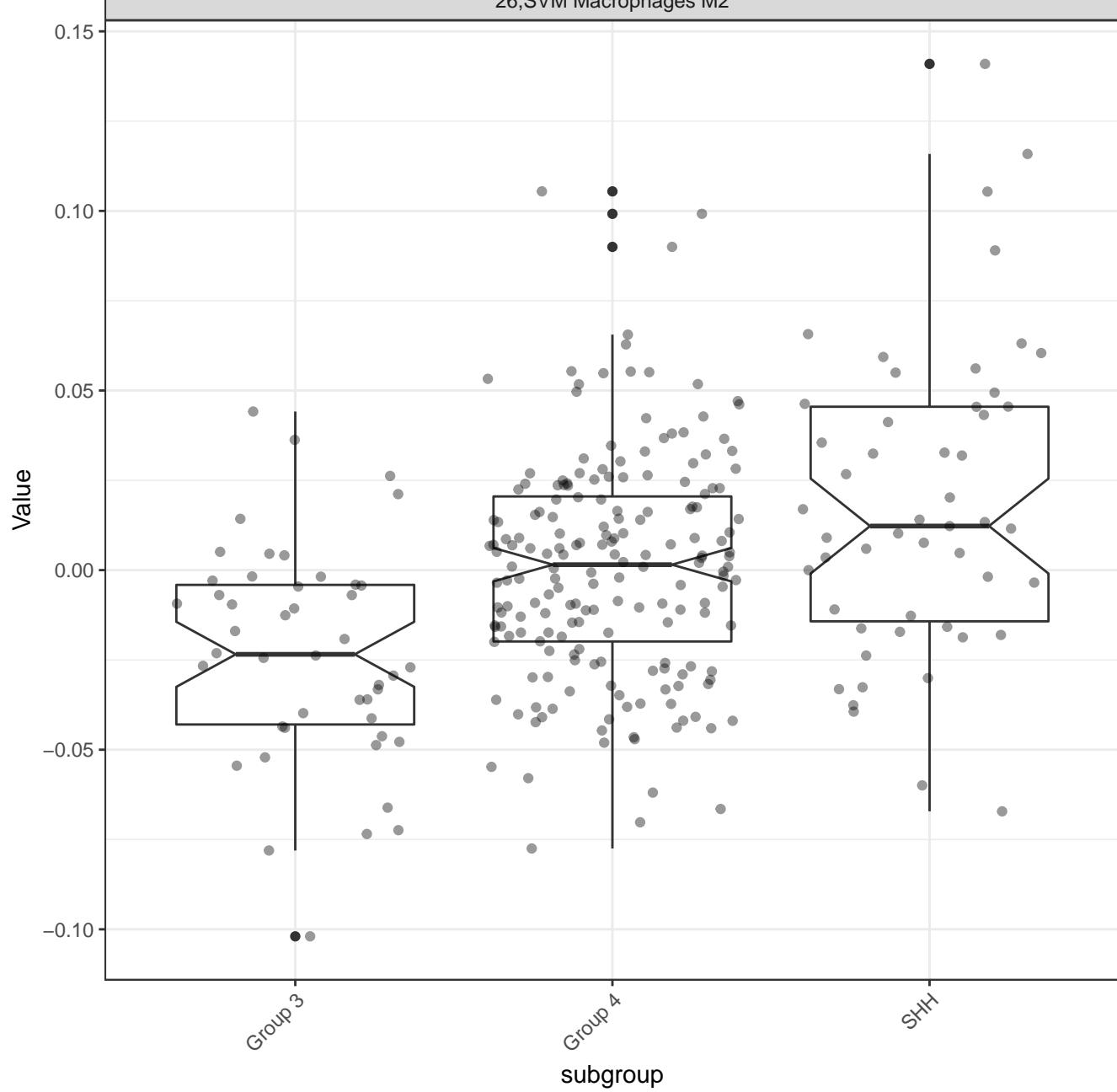
24,PID_DELTANP63PATHWAY



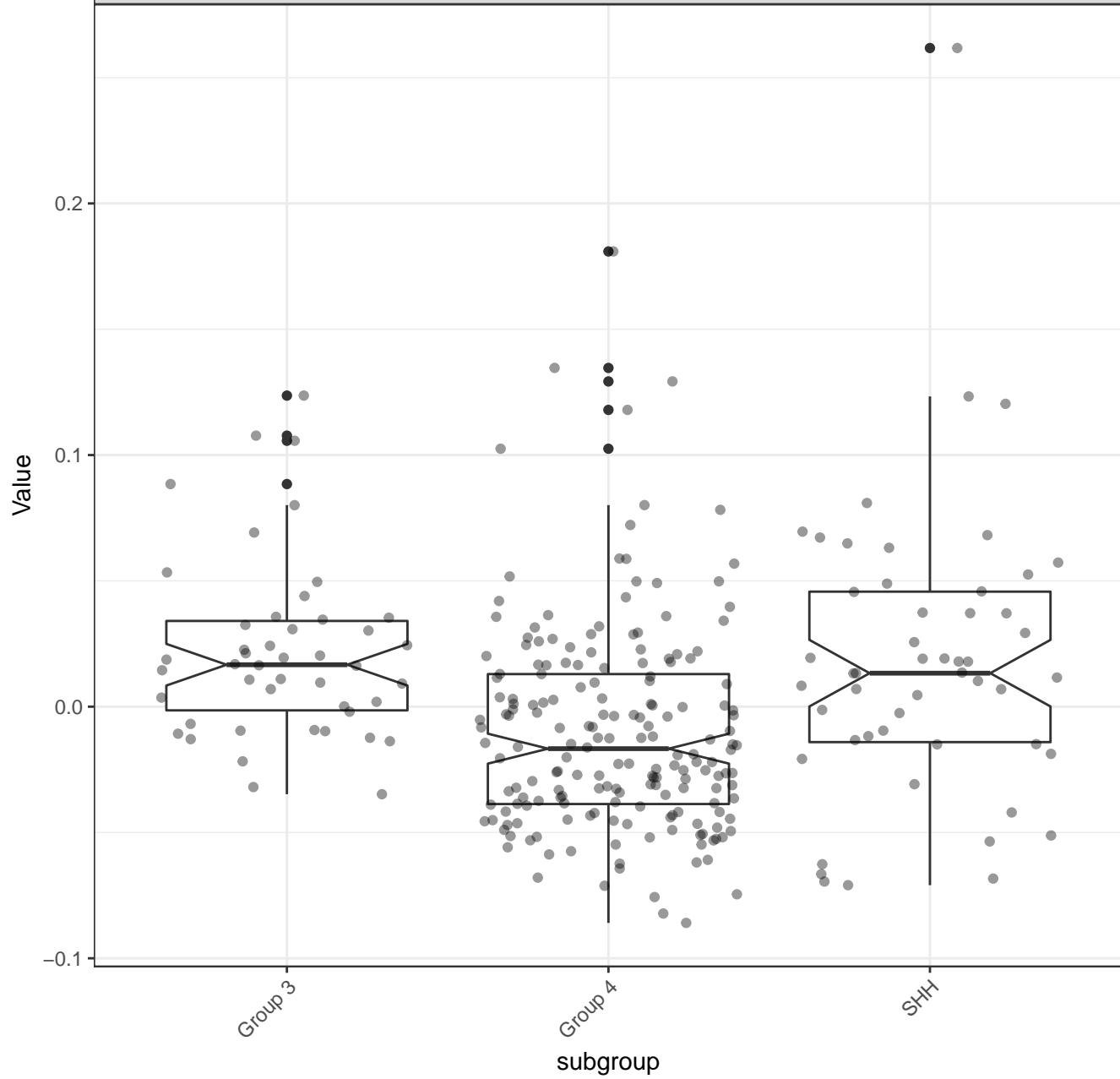
25,SVM Macrophages M1



26,SVM Macrophages M2

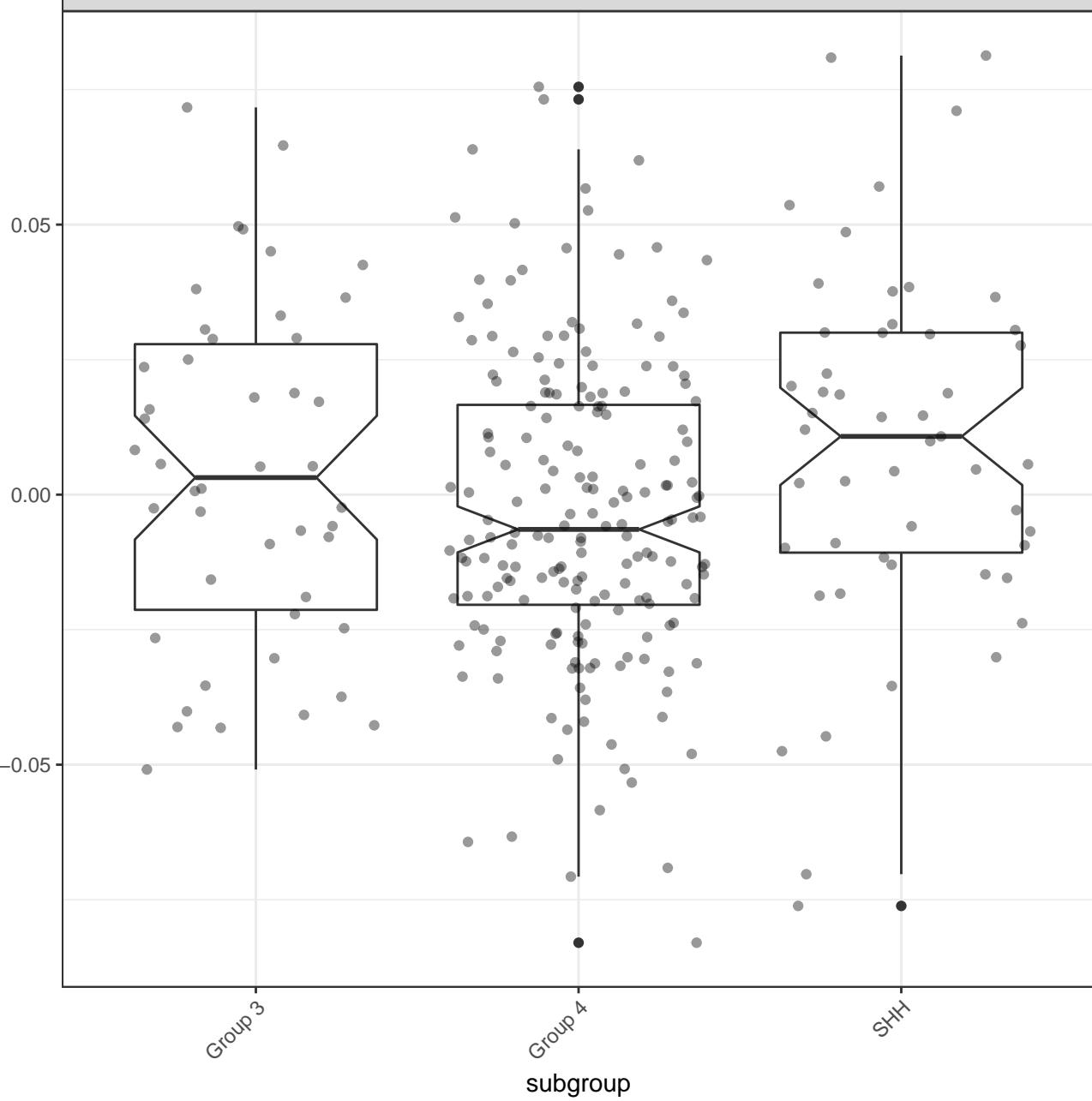


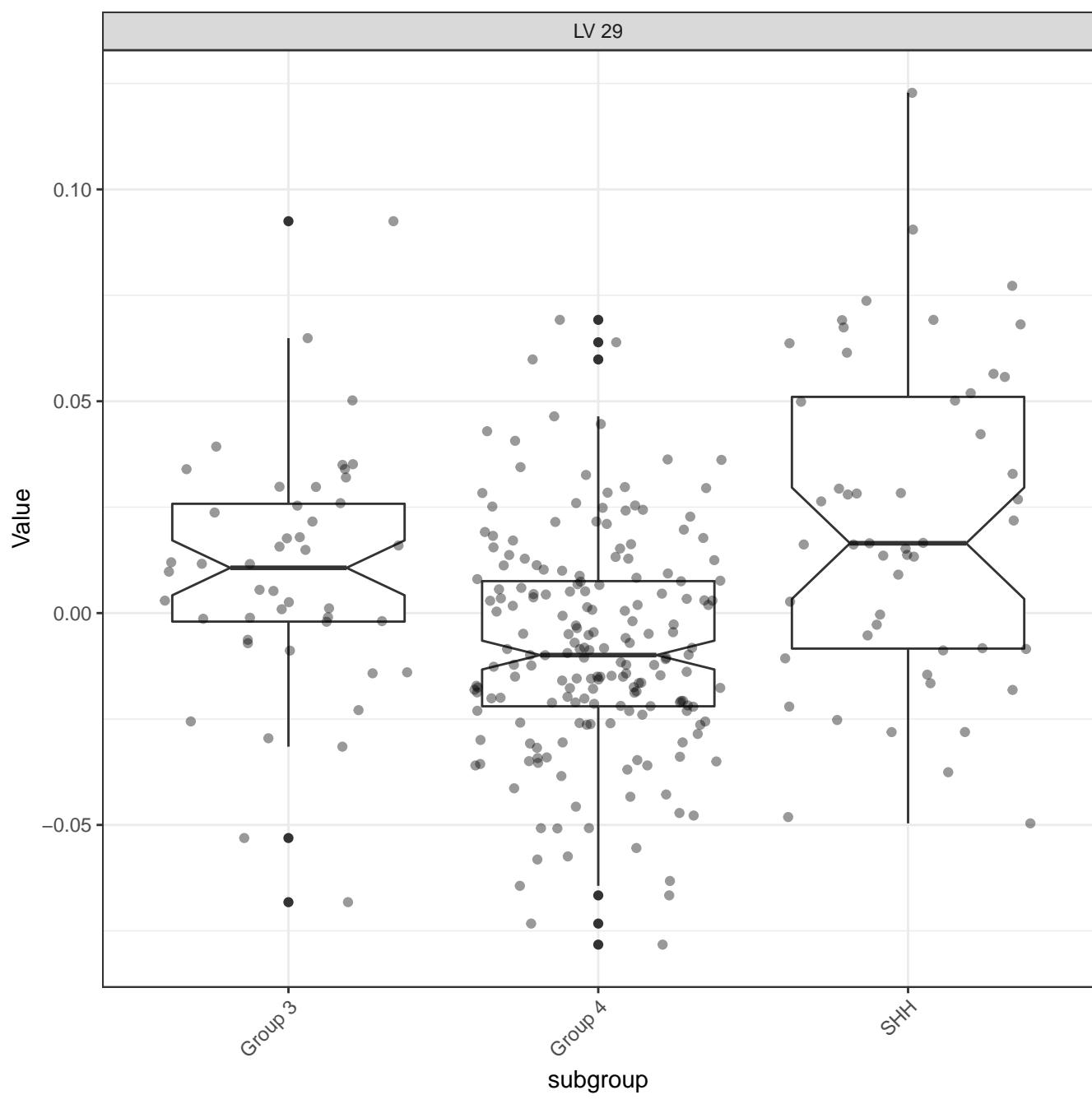
27,REACTOME_CELL_JUNCTION_ORGANIZATION



LV 28

Value





30,DMAP_ERY3

Value

0.10

0.05

0.00

-0.05

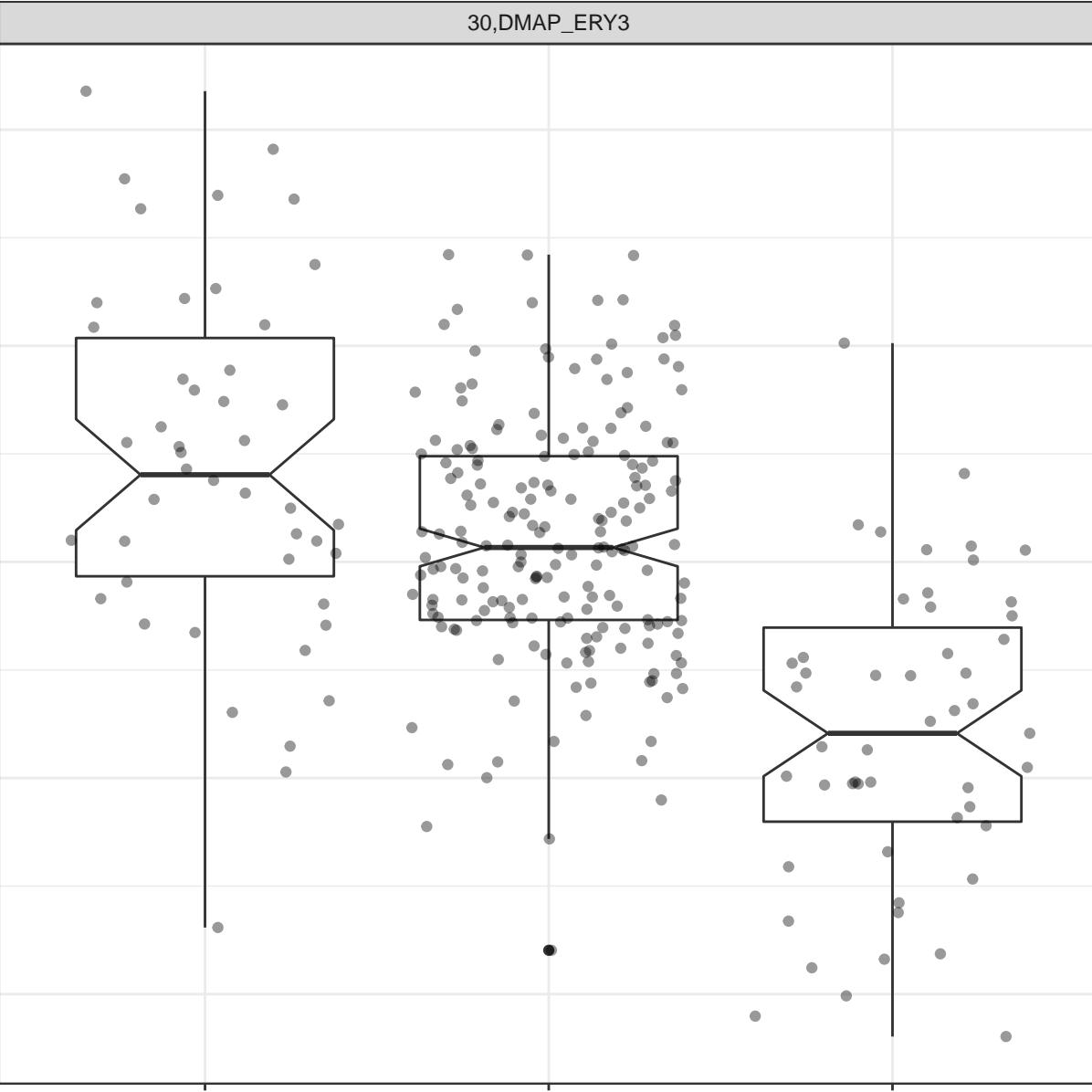
-0.10

Group 3

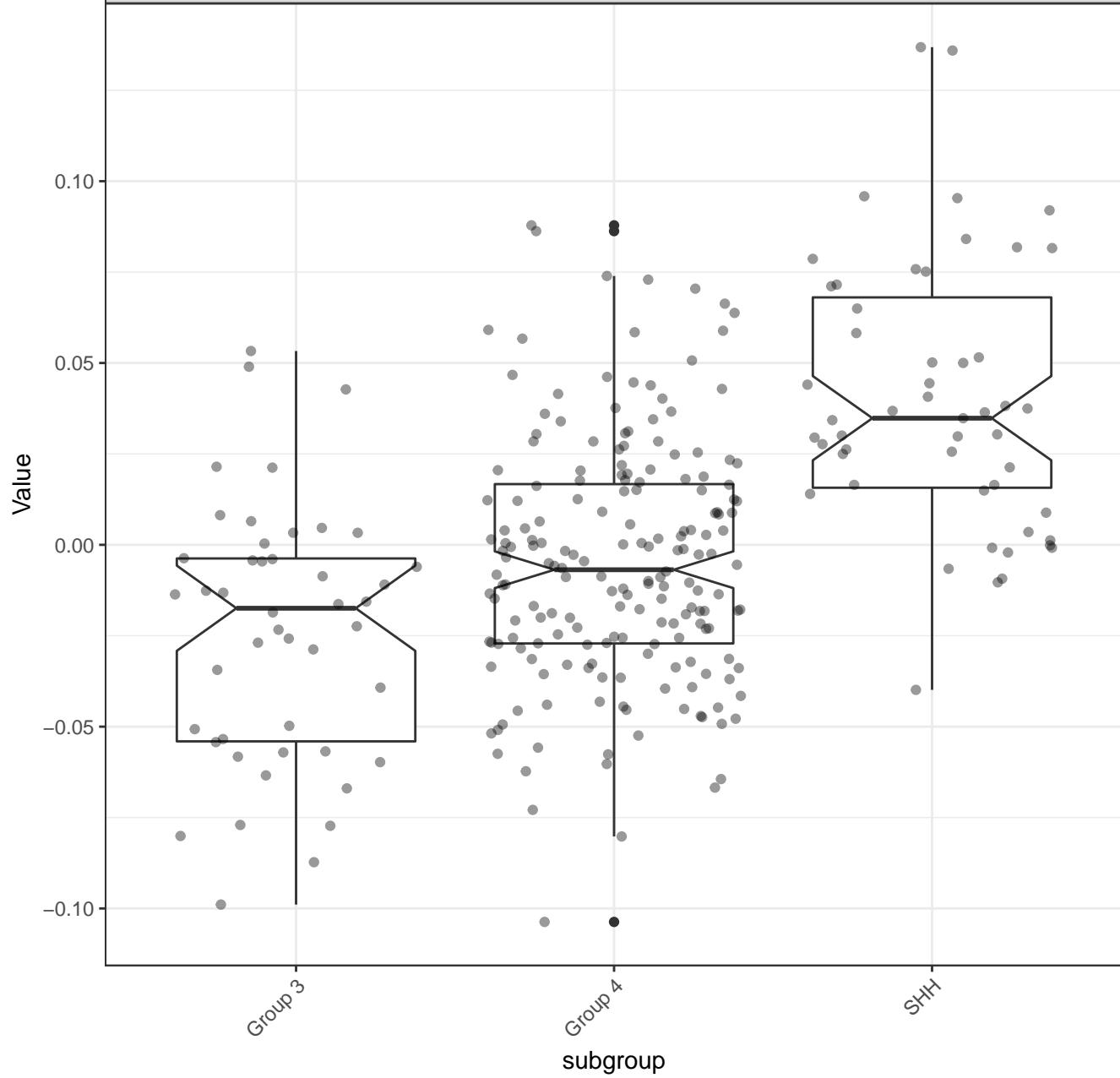
subgroup

Group 4

SHH



31,SVM B cells naive



LV 32

Value

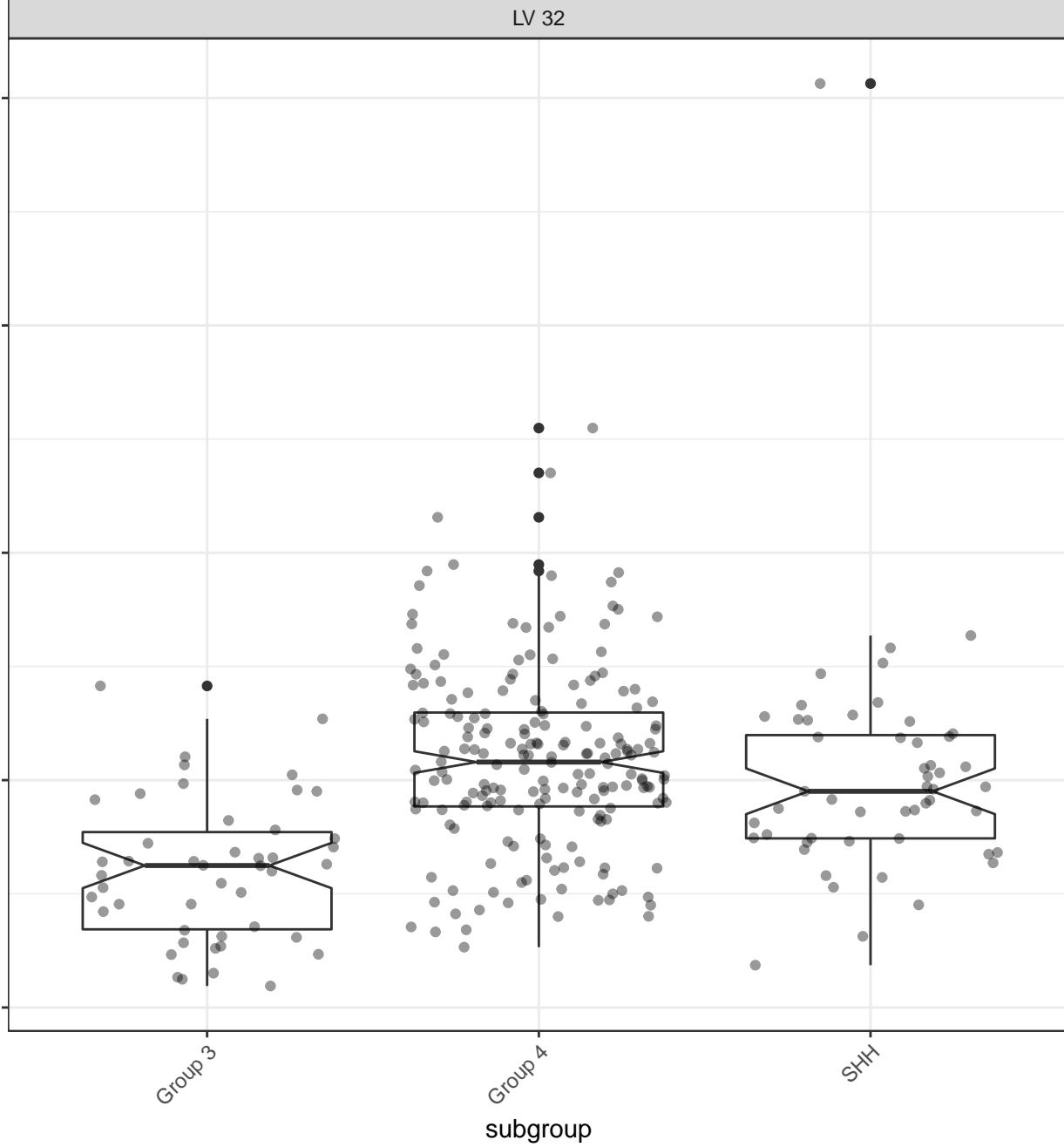
0.6
0.4
0.2
0.0
-0.2

Group 3

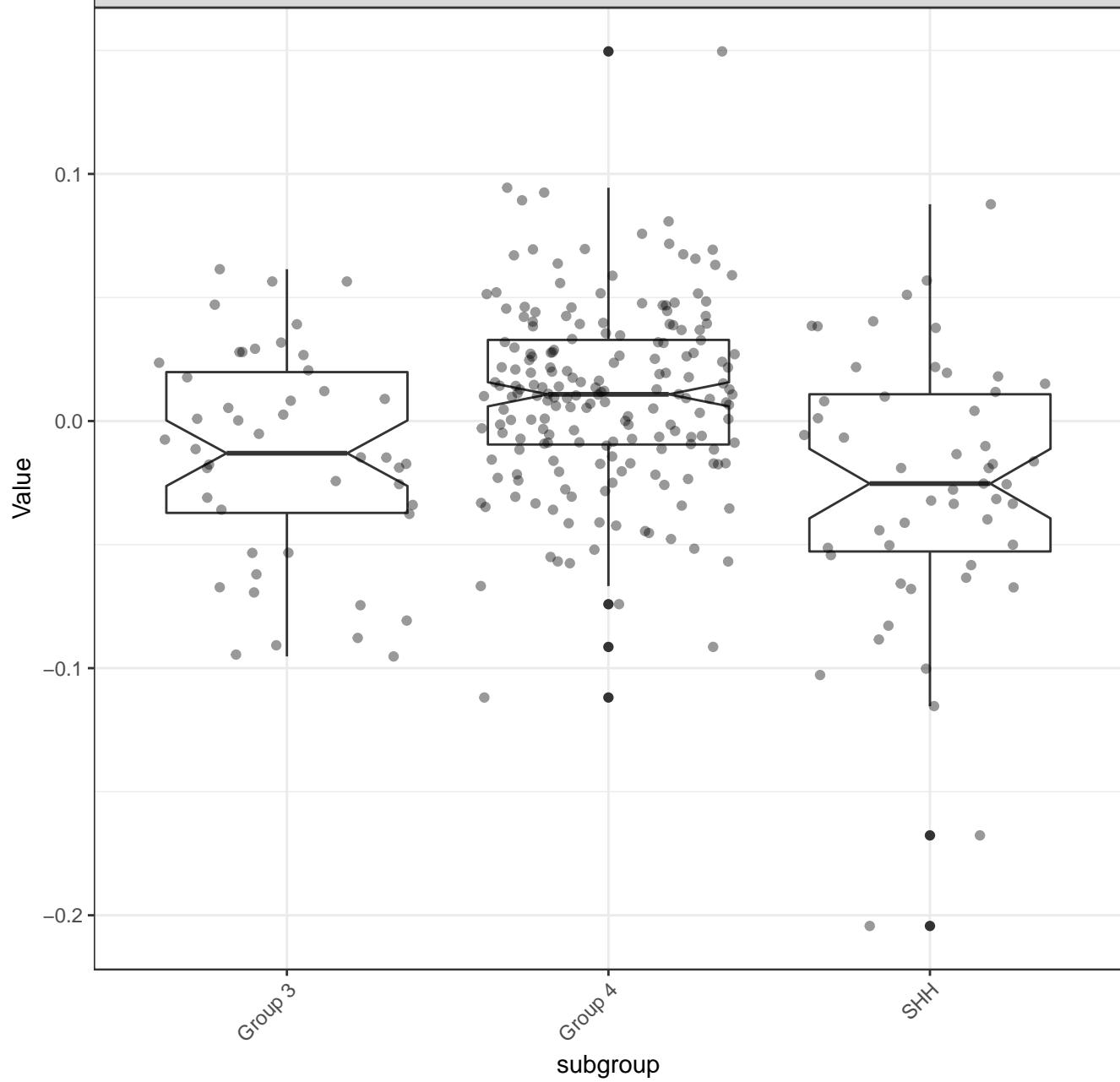
Group 4

SHH

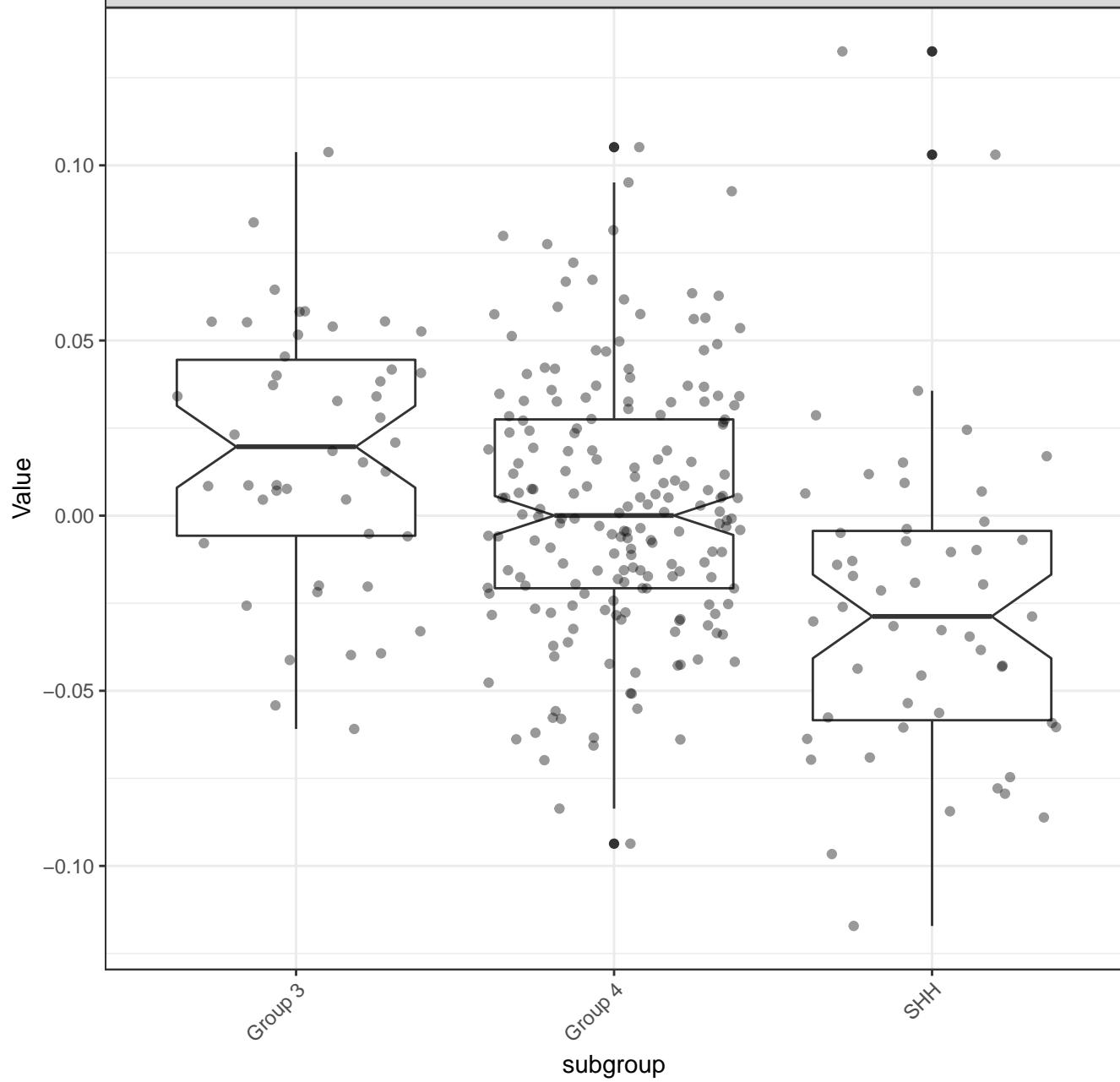
subgroup



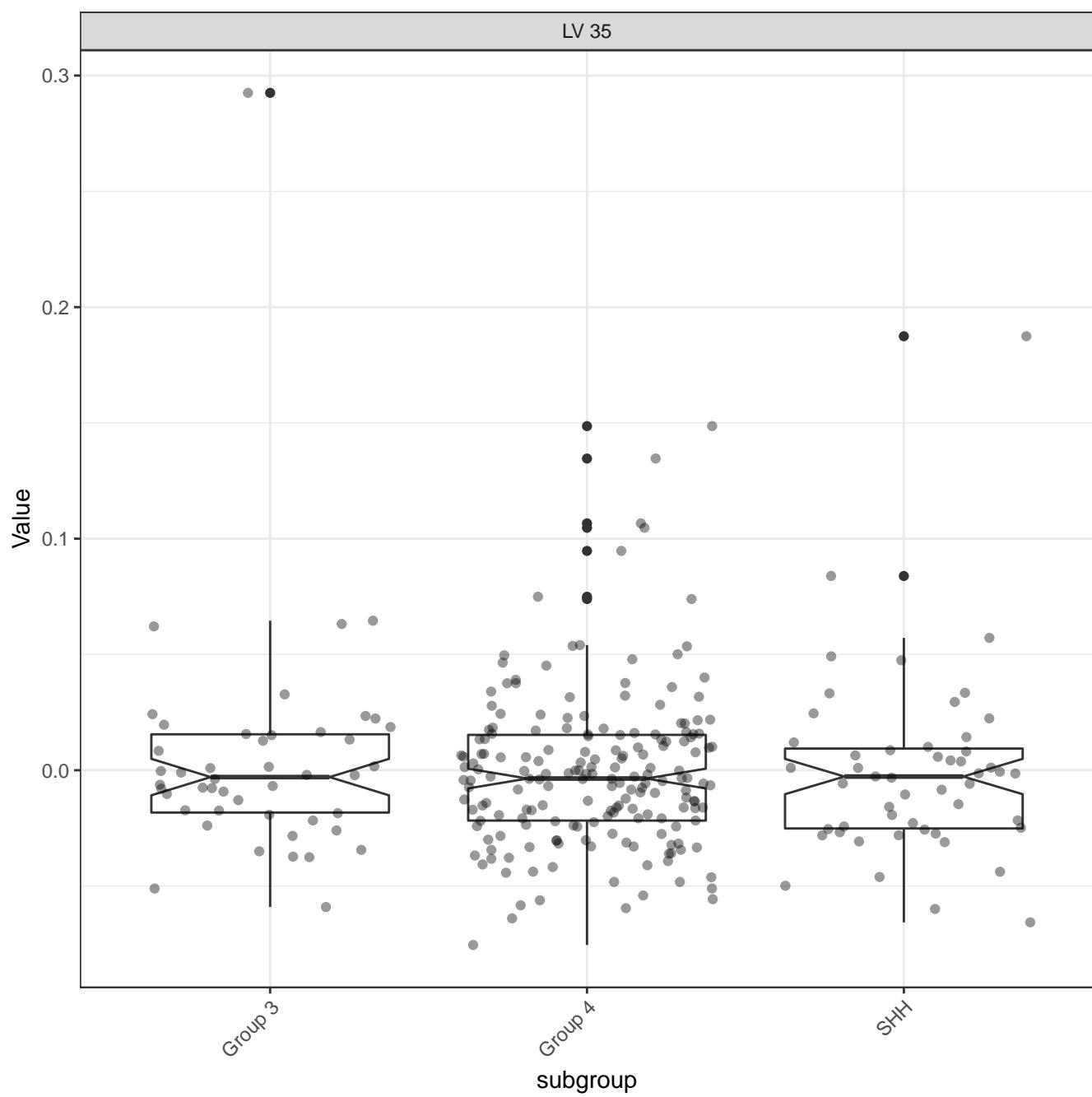
LV 33



LV 34



LV 35



LV 36

Value

0.10

0.05

0.00

-0.05

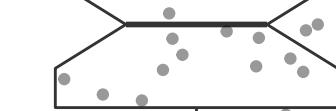
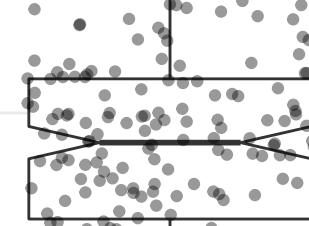
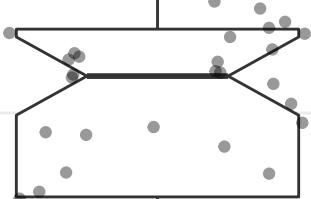
-0.10

Group 3

subgroup

Group 4

SHH



37,MIPS_60S_RIBOSOMAL_SUBUNIT_CYTOPLASMIC

Value

0.05

0.00

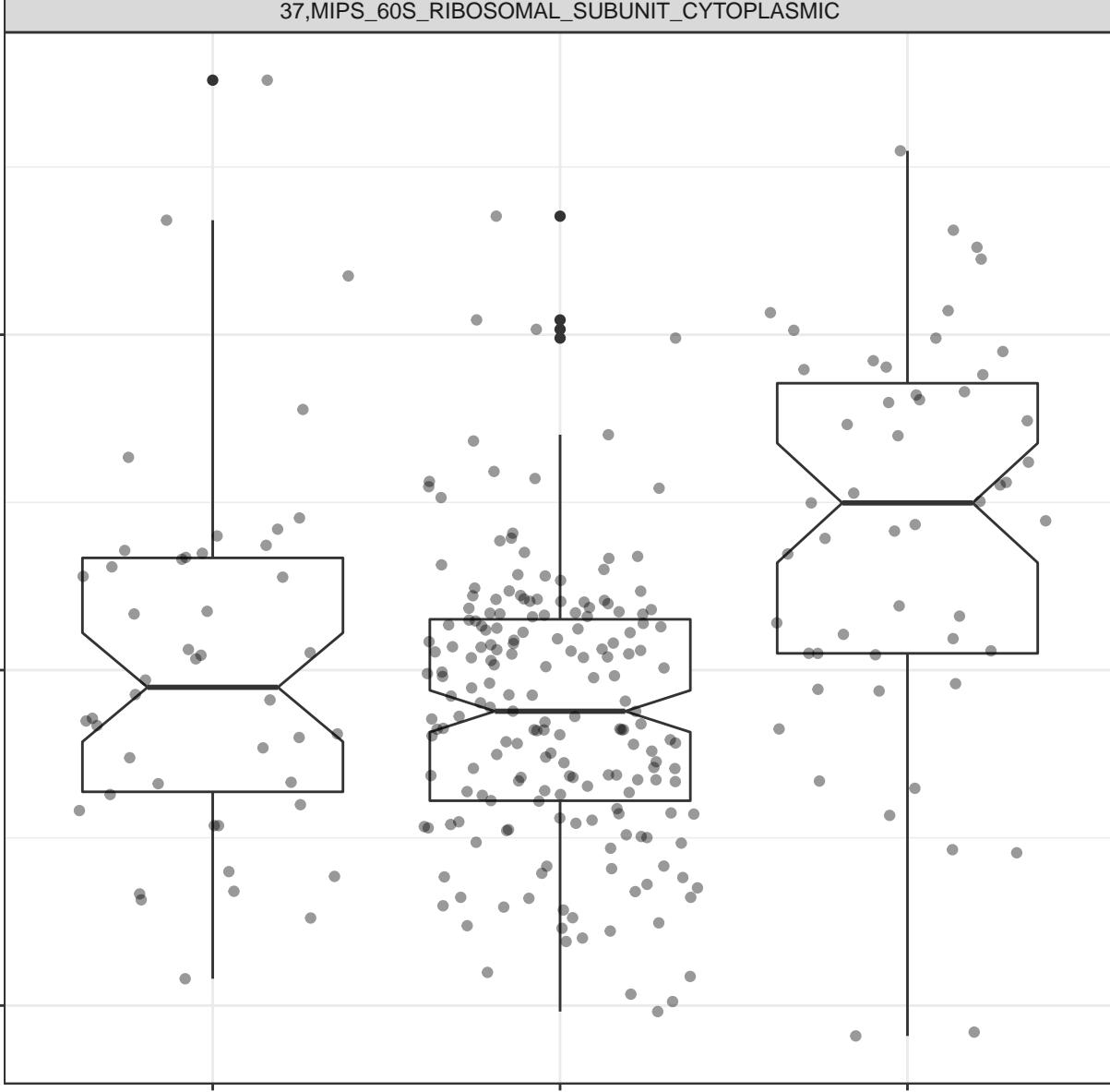
-0.05

Group 3

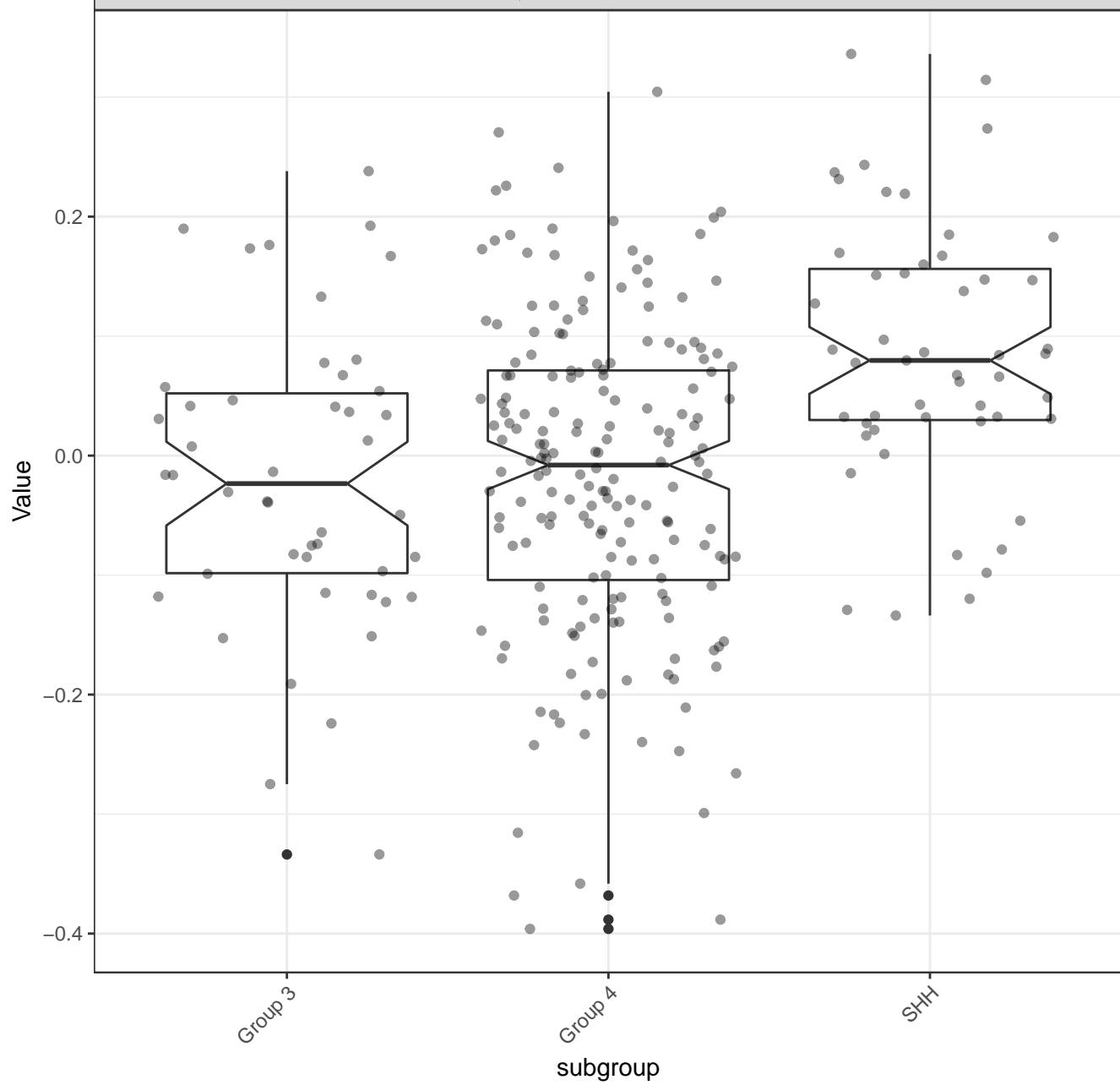
subgroup

Group 4

SHH



38,PID_PLK1_PATHWAY



39,SVM Dendritic cells resting

Value

0.10

0.05

0.00

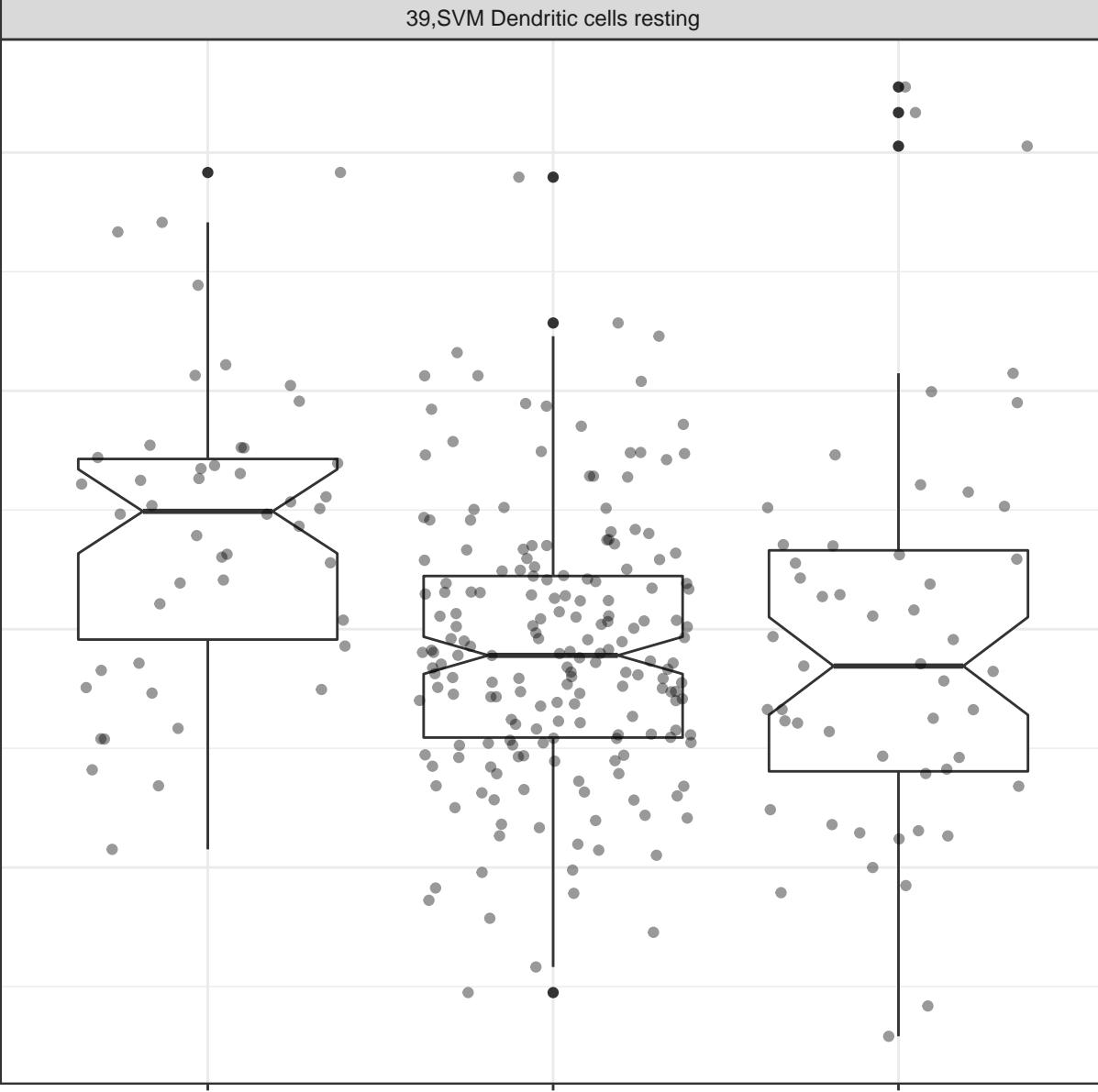
-0.05

Group 3

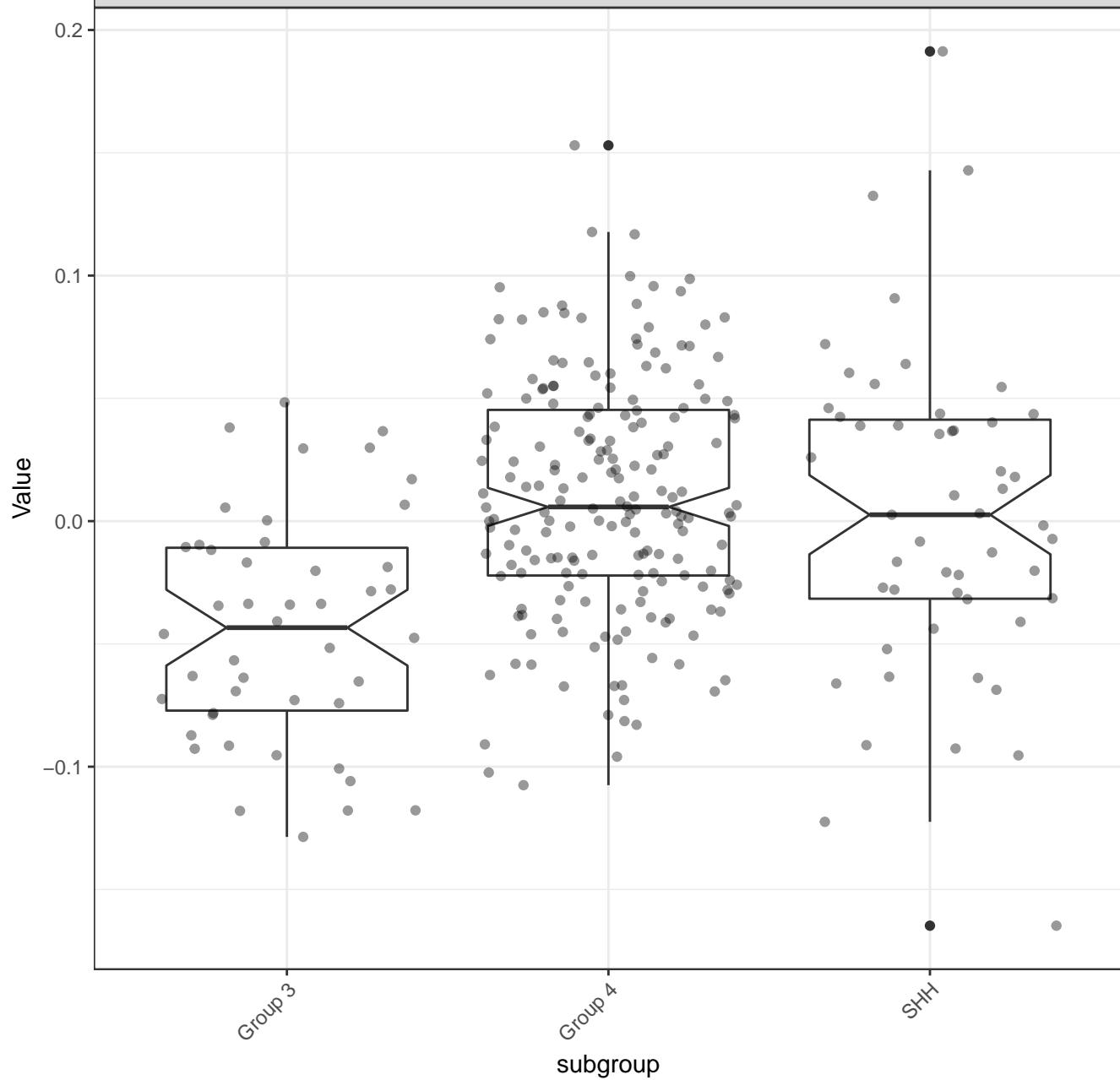
subgroup

Group 4

SHH



LV 40



LV 41

Value

0.04

0.00

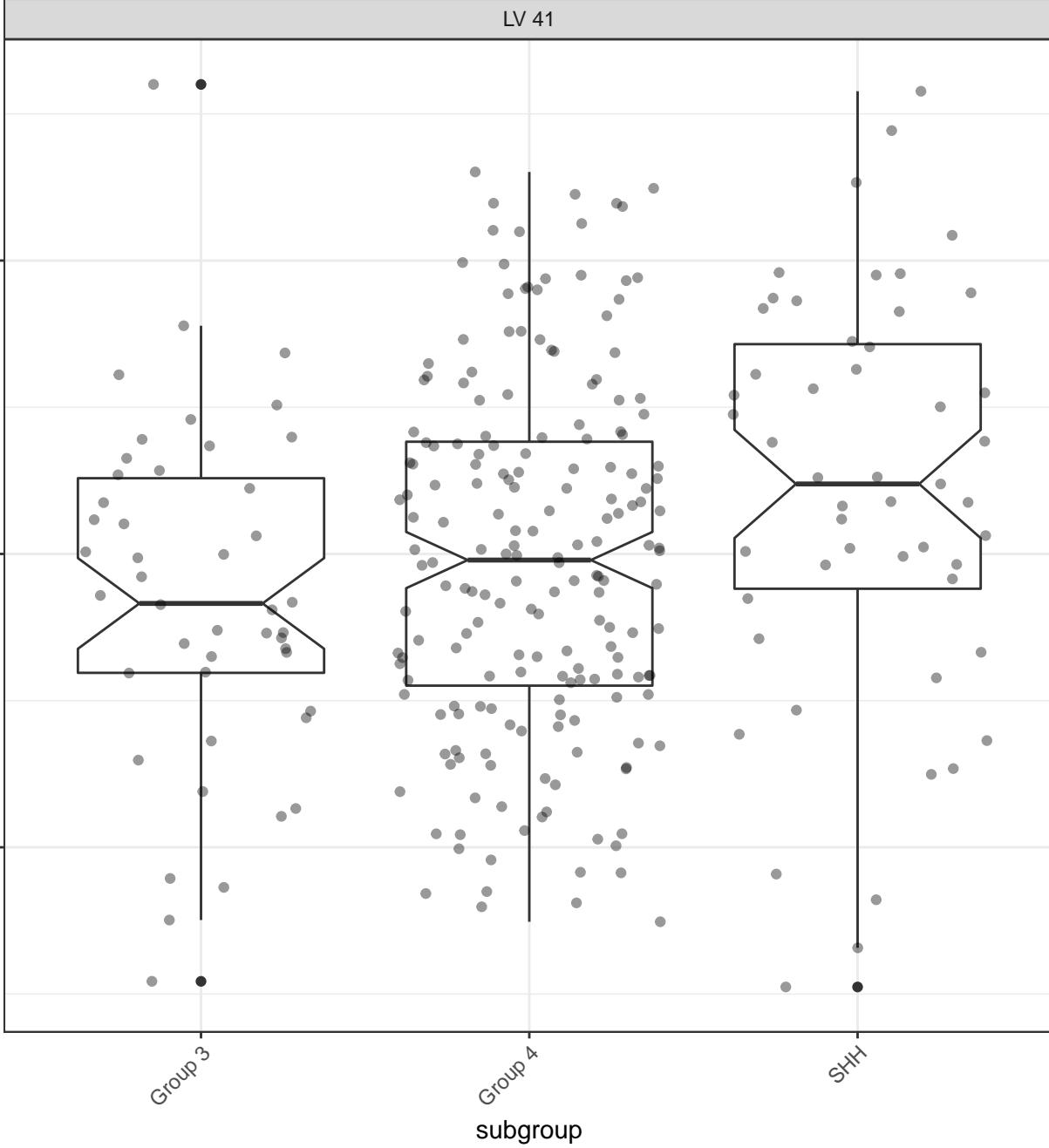
-0.04

Group 3

Group 4

SHH

subgroup



42,DMAP_HSC1

Value

0.10

0.05

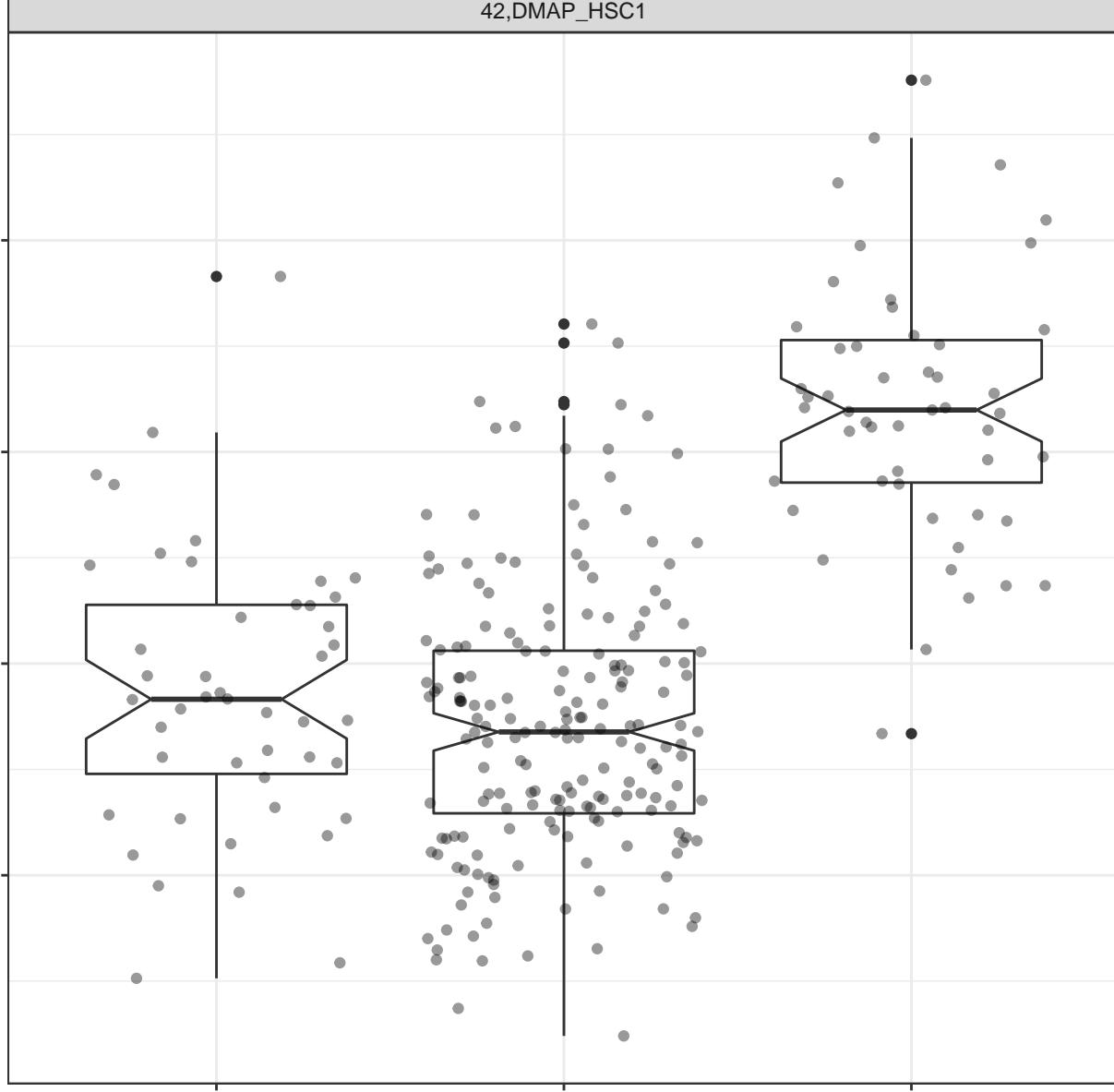
0.00

-0.05

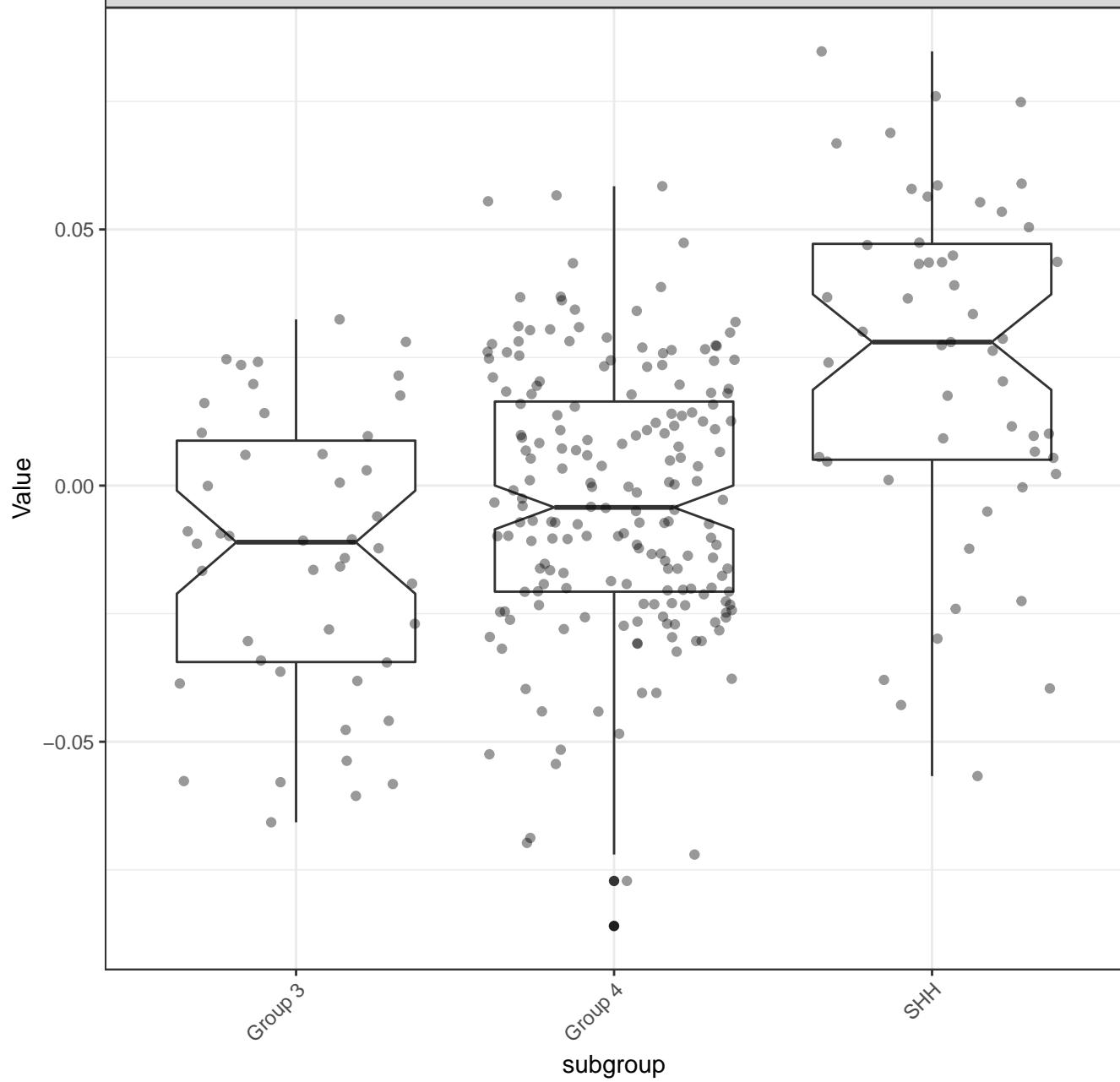
Group 3

subgroup

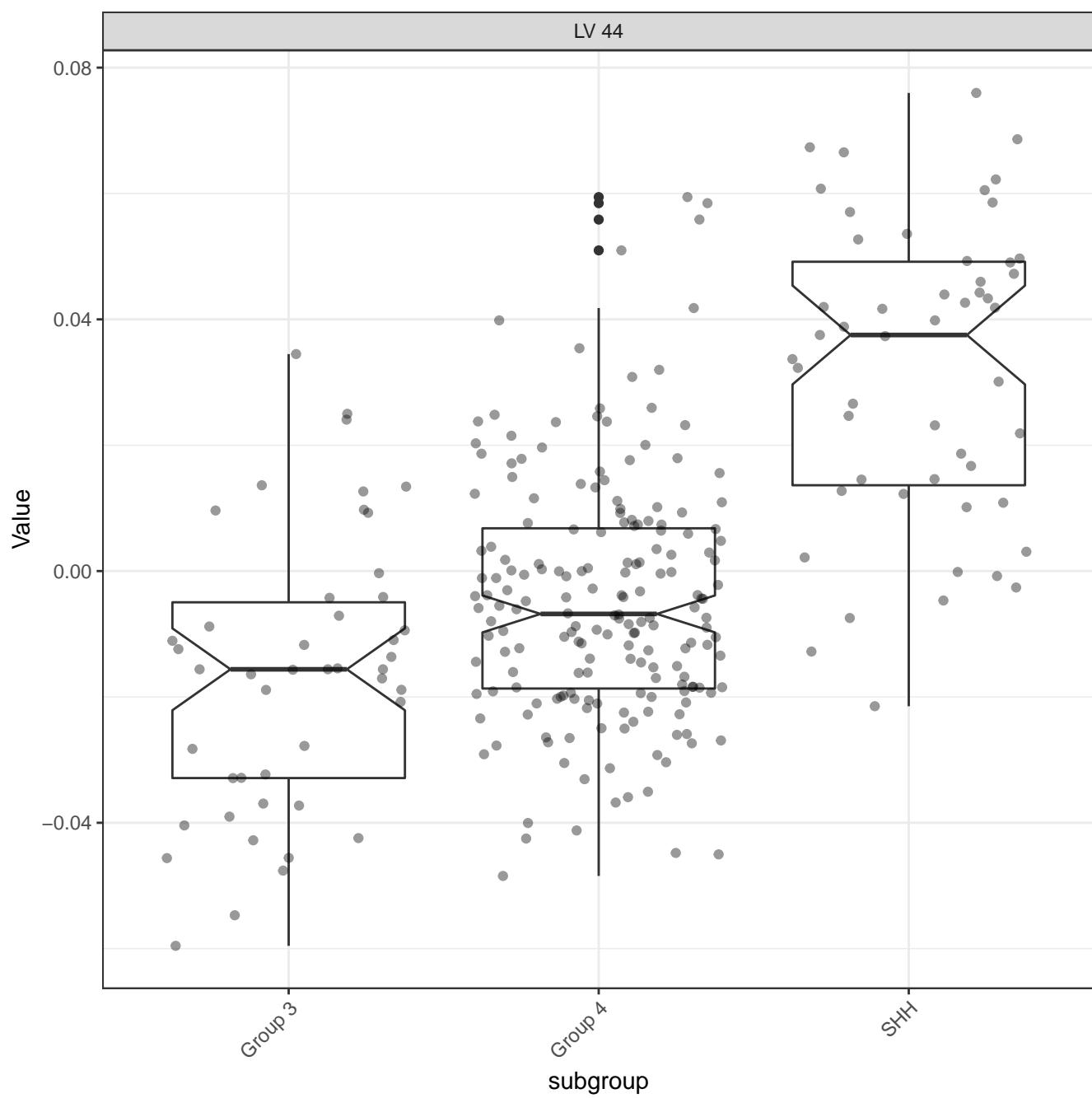
SHH



LV 43



LV 44



45,REACTOME_RNA_POL_I_PROMOTER_OPENING

Value

0.2

0.1

0.0

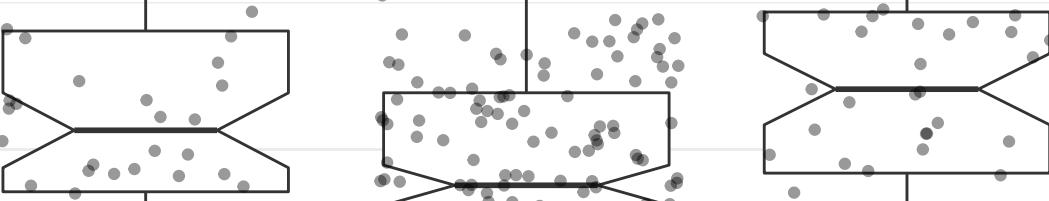
-0.1

Group 3

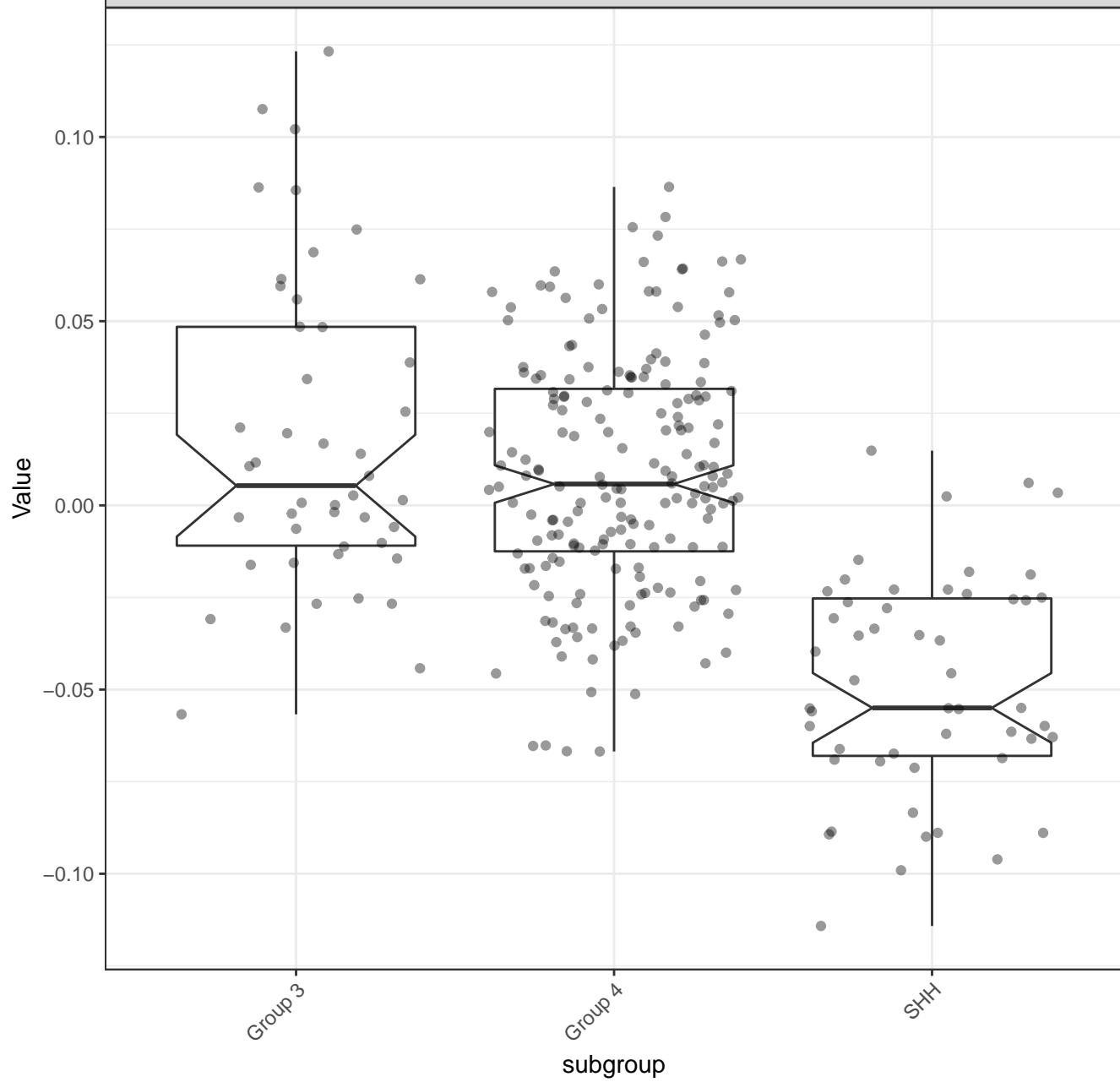
Group 4

SHH

subgroup



LV 46



LV 47

Value

0.05

0.01

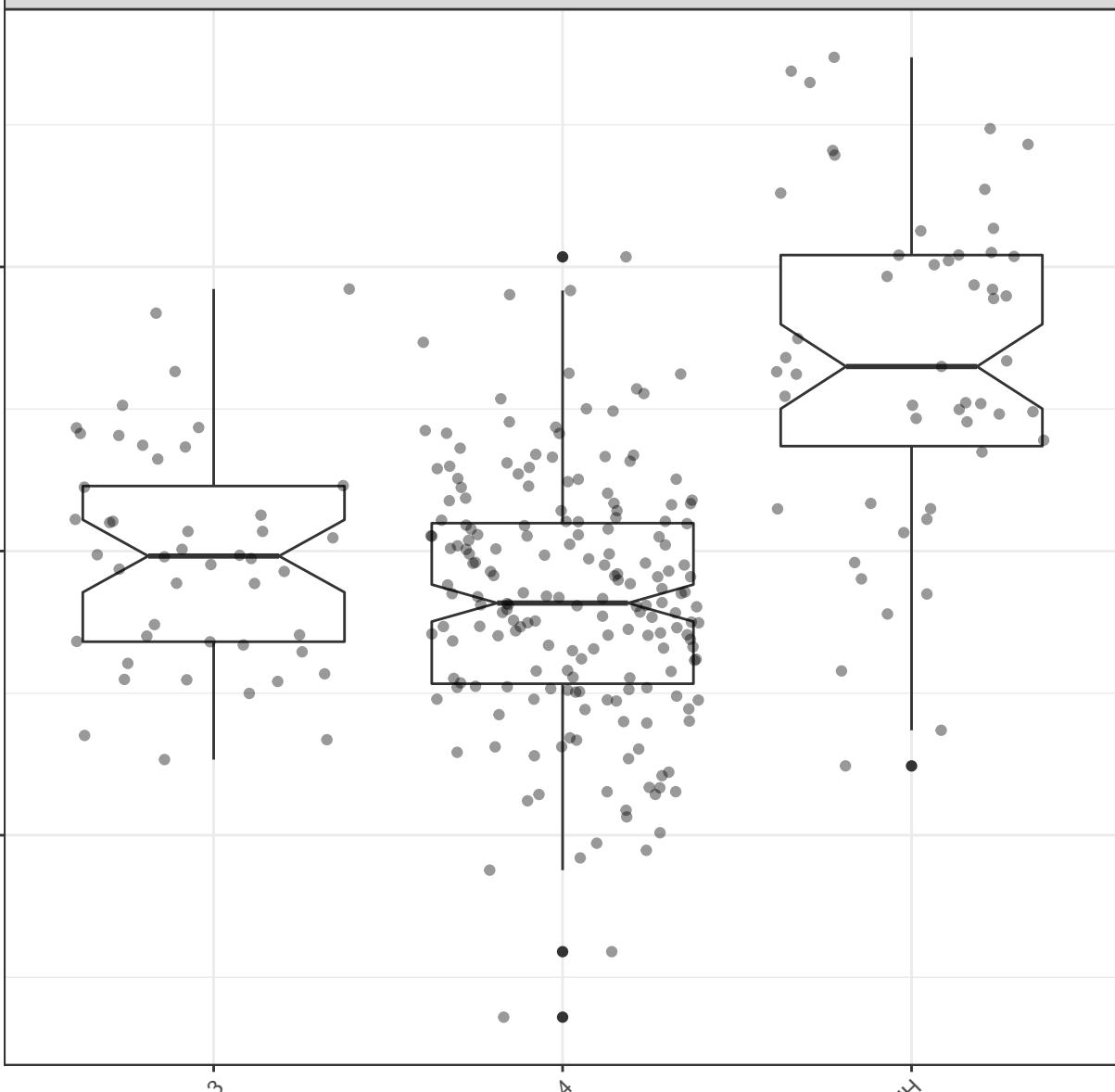
-0.05

Group 3

Group 4

SHH

subgroup



48,MIPS_RIBOSOME_CYTOPLASMIC

Value

0.2

0.1

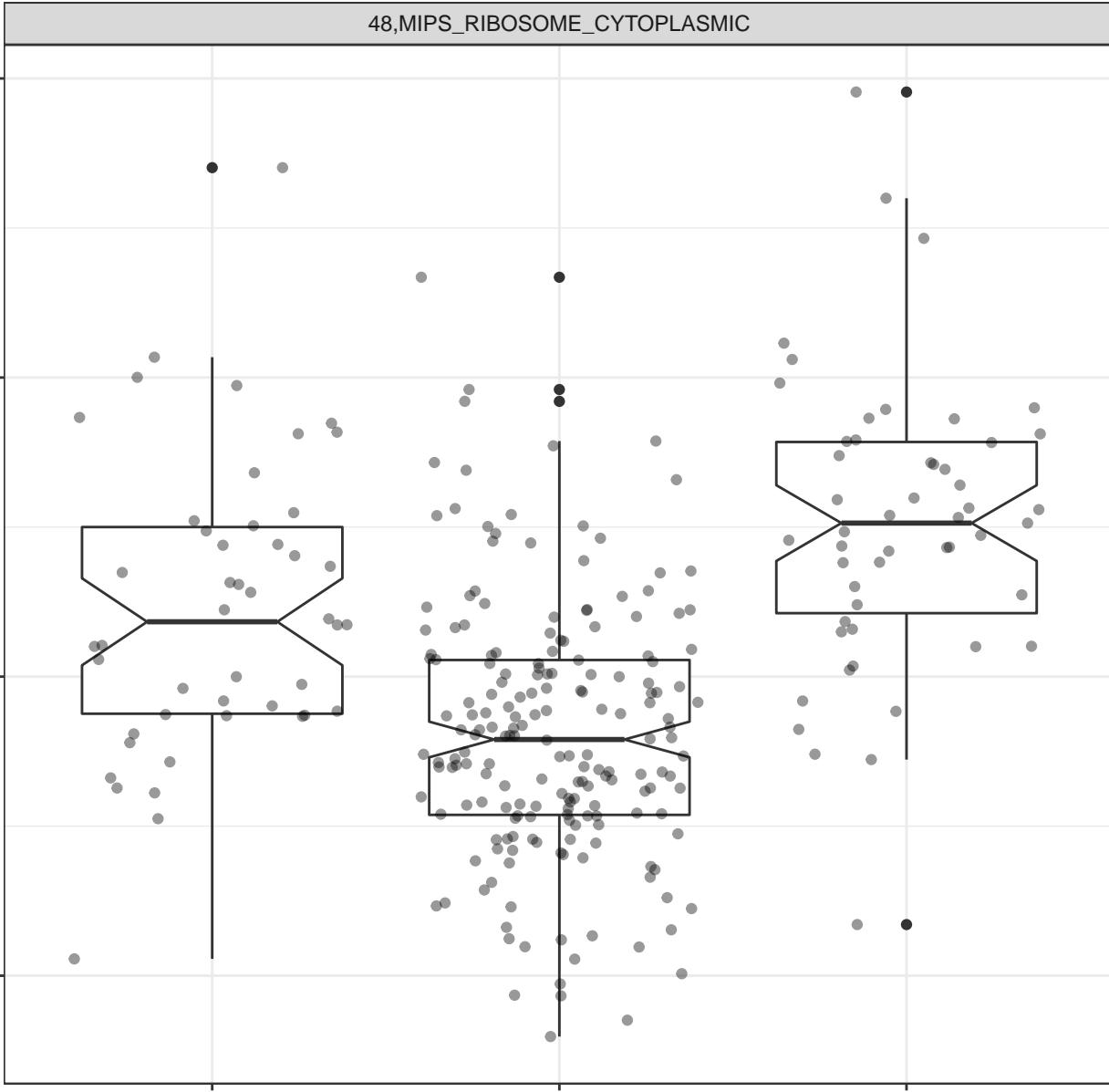
0.0

-0.1

Group 3

subgroup

SHH



49,KEGG_DILATED_CARDIOMYOPATHY

Value

0.2

0.1

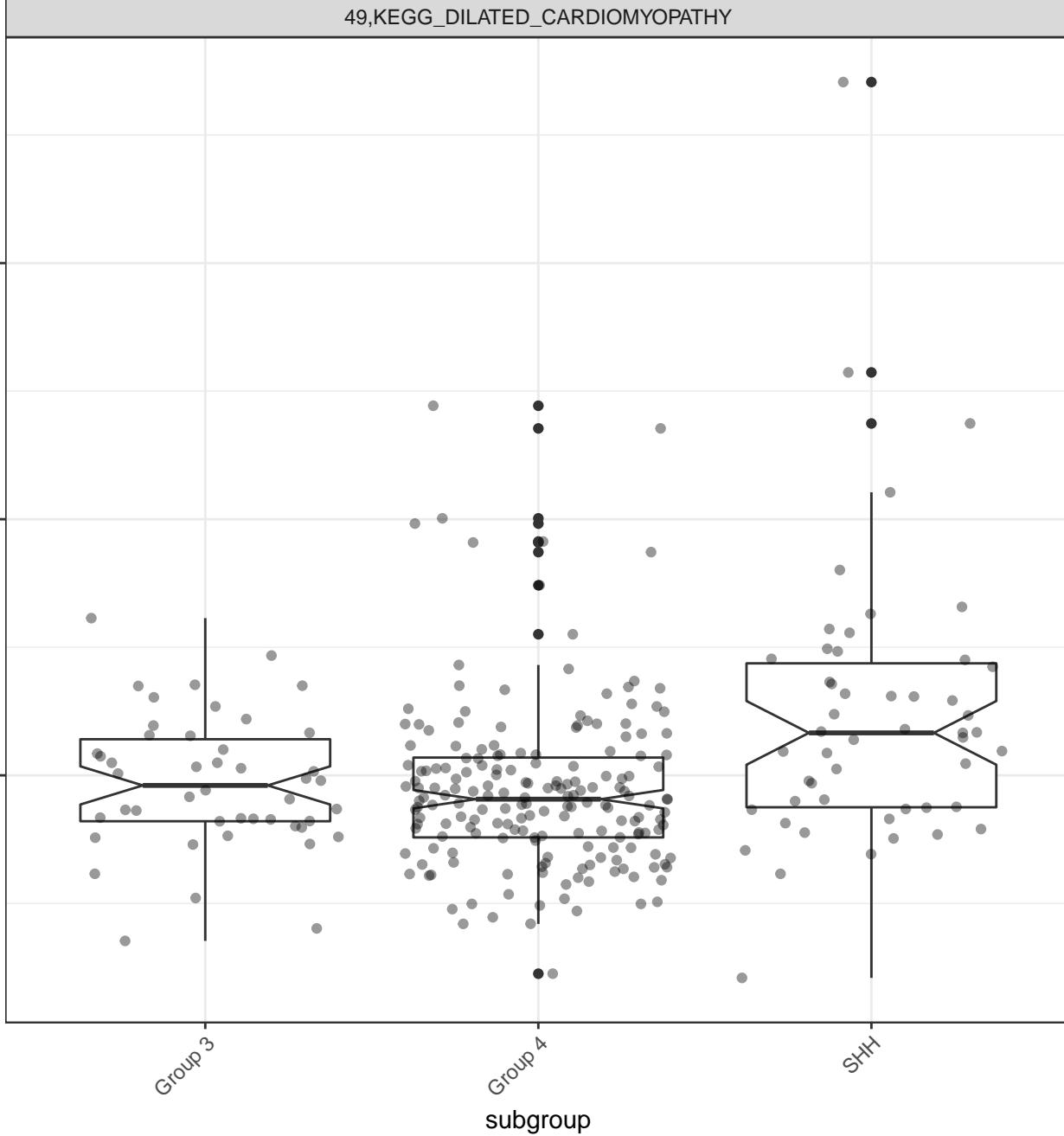
0.0

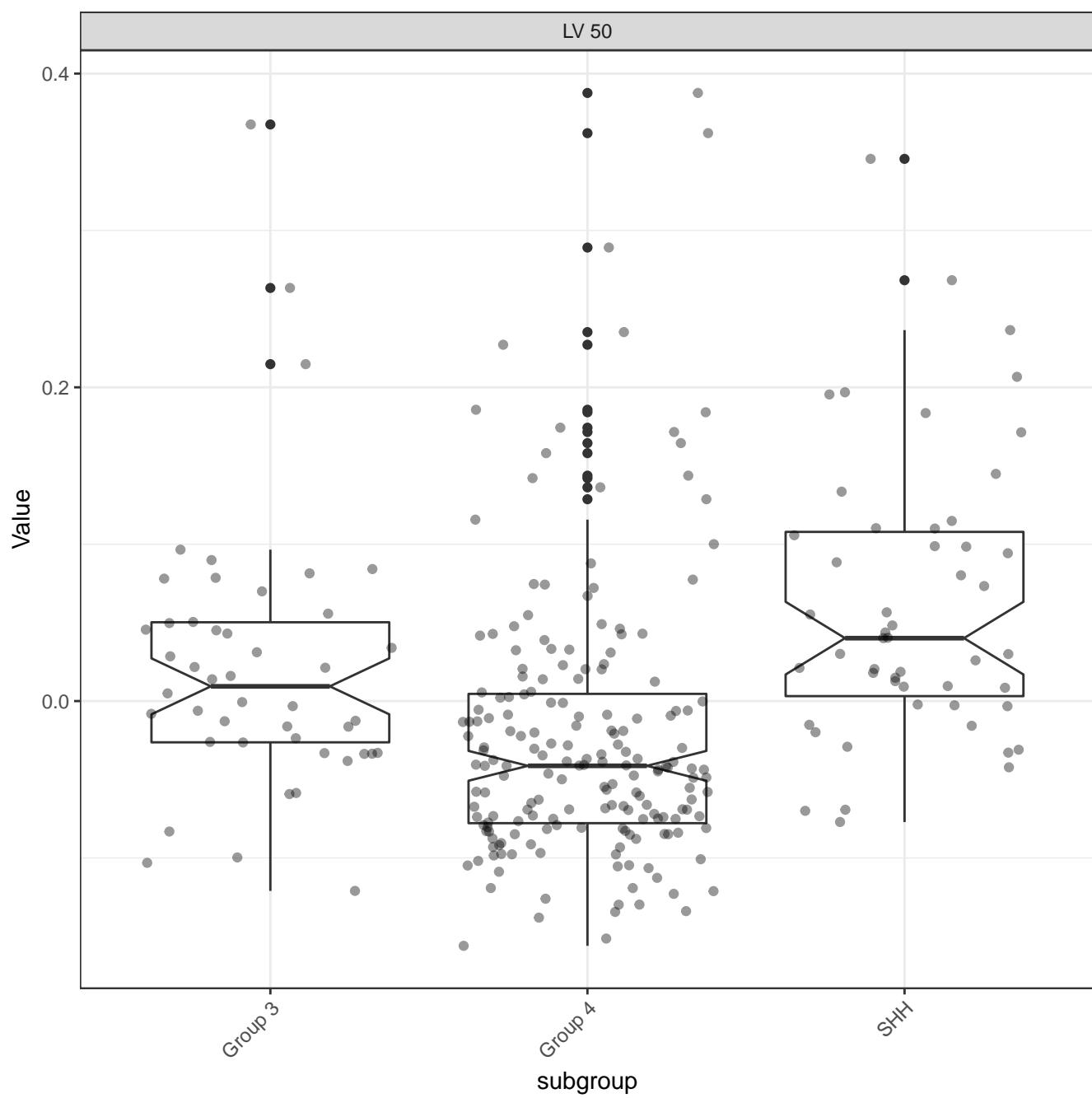
Group 3

Group 4

SHH

subgroup





LV 51

Value

0.05

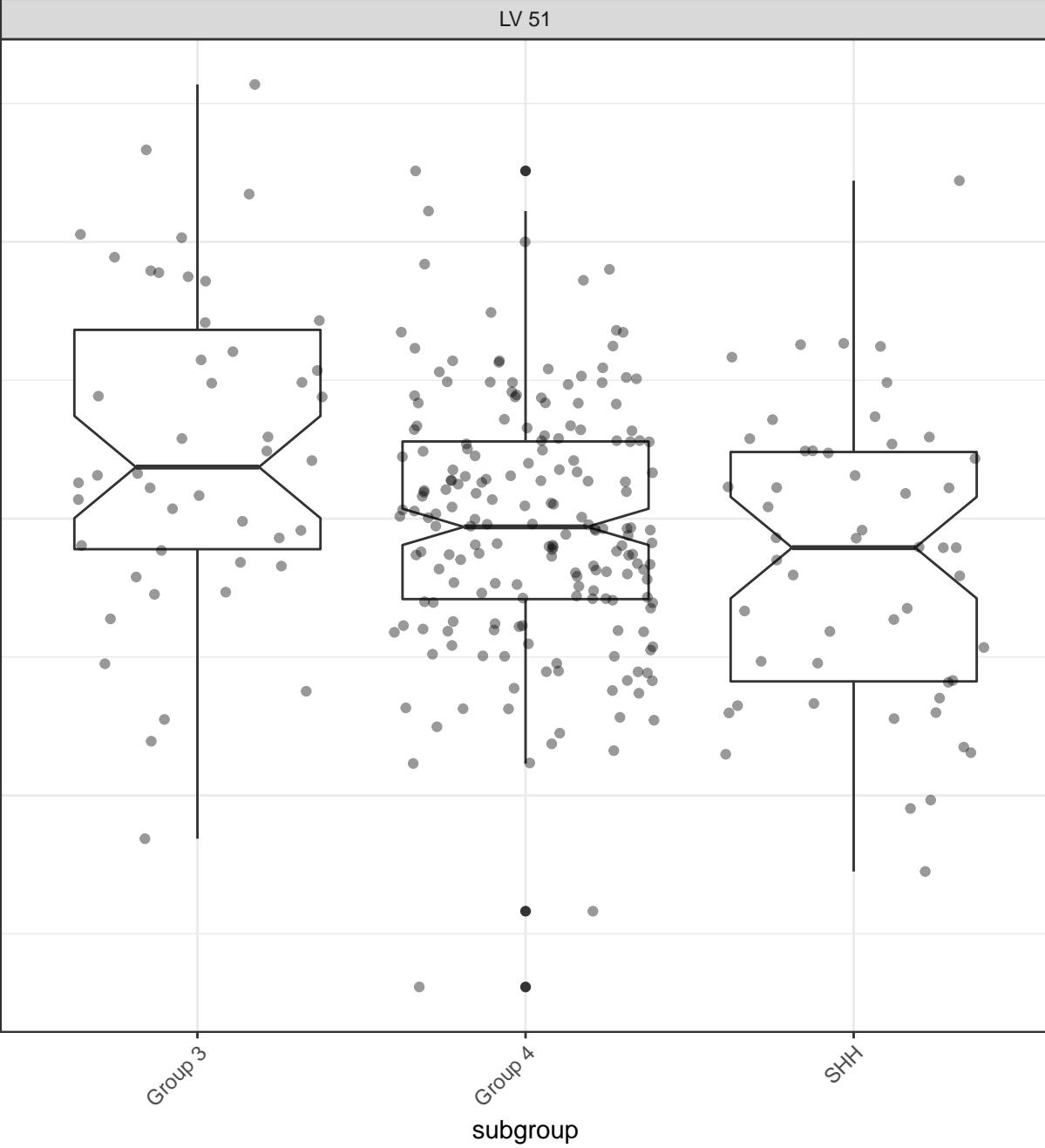
0.00

-0.05

Group₃Group₄

SHH

subgroup



LV 52

Value

0.10

0.05

0.00

-0.05

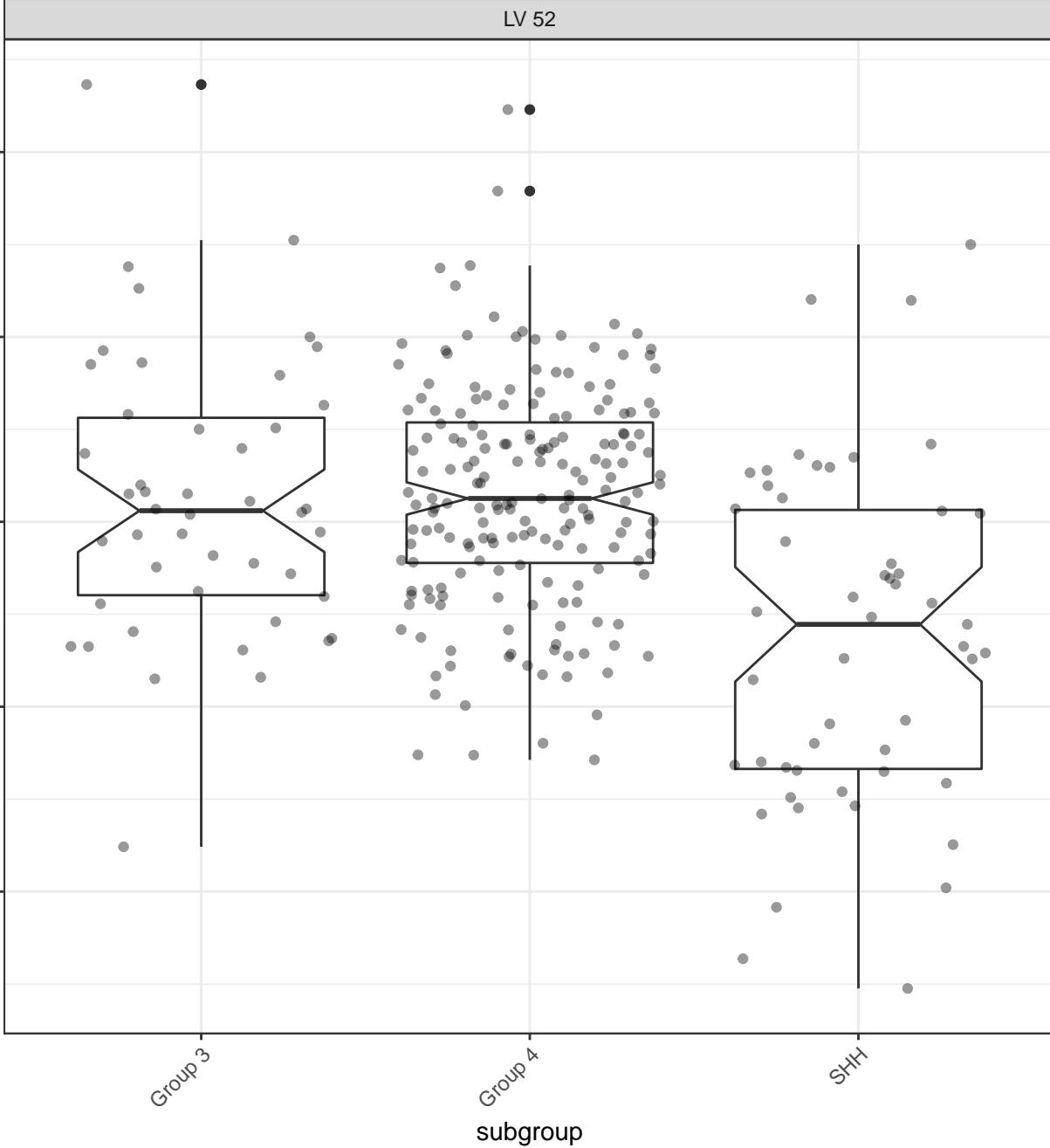
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.4

0.2

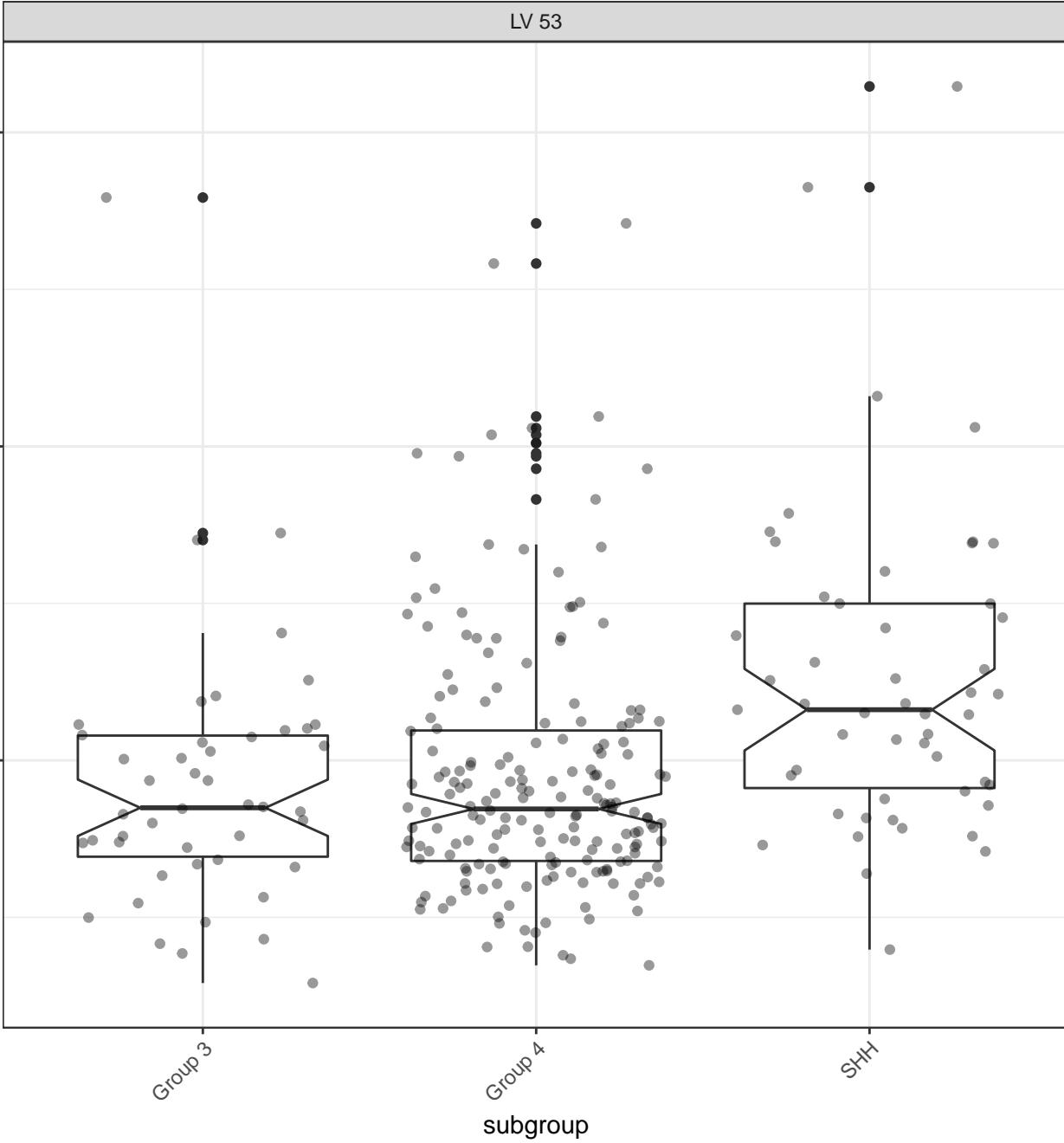
0.0

Group 3

Group 4

SHH

subgroup



LV 54

Value

0.10

0.05

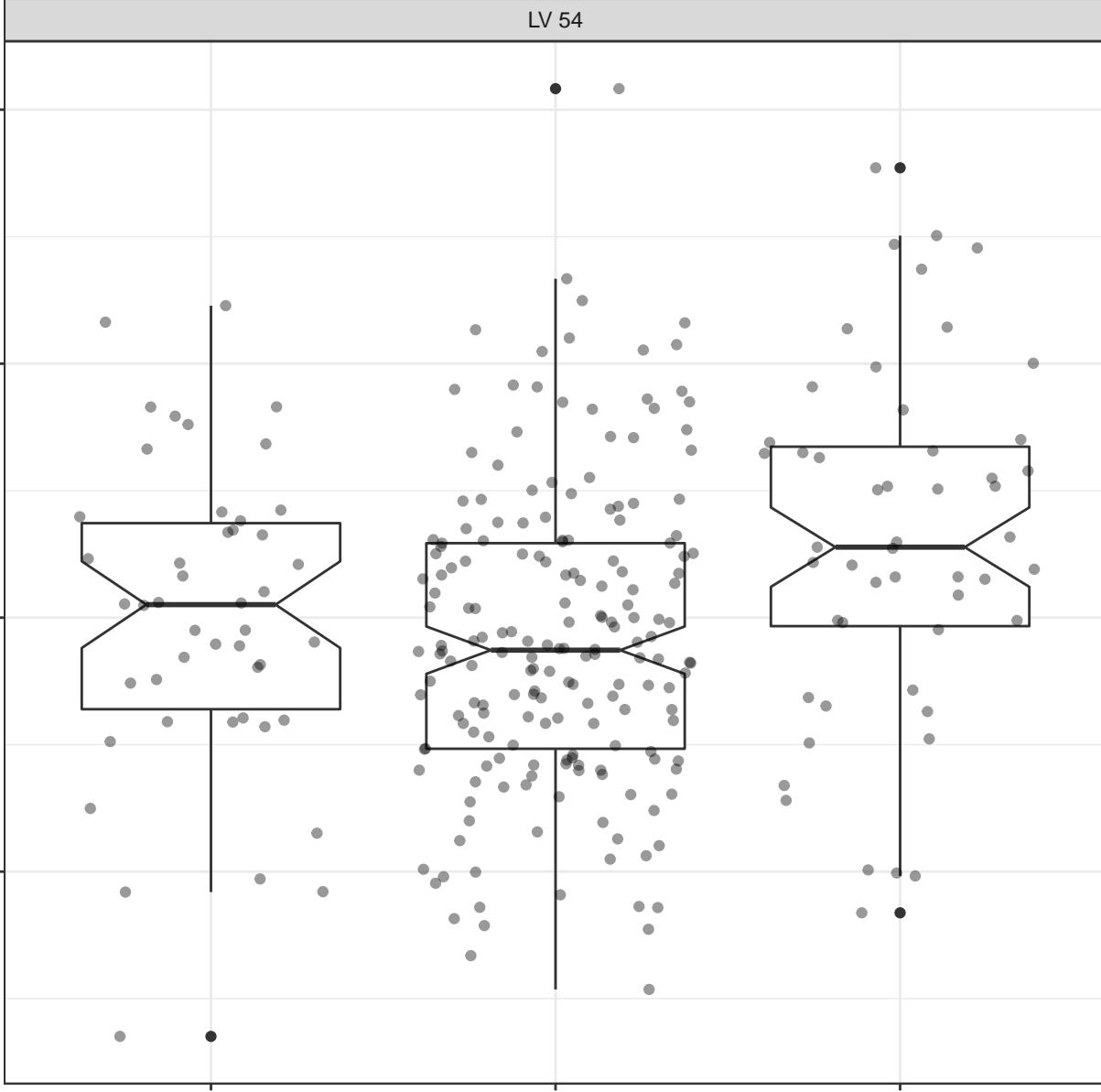
0.00

-0.05

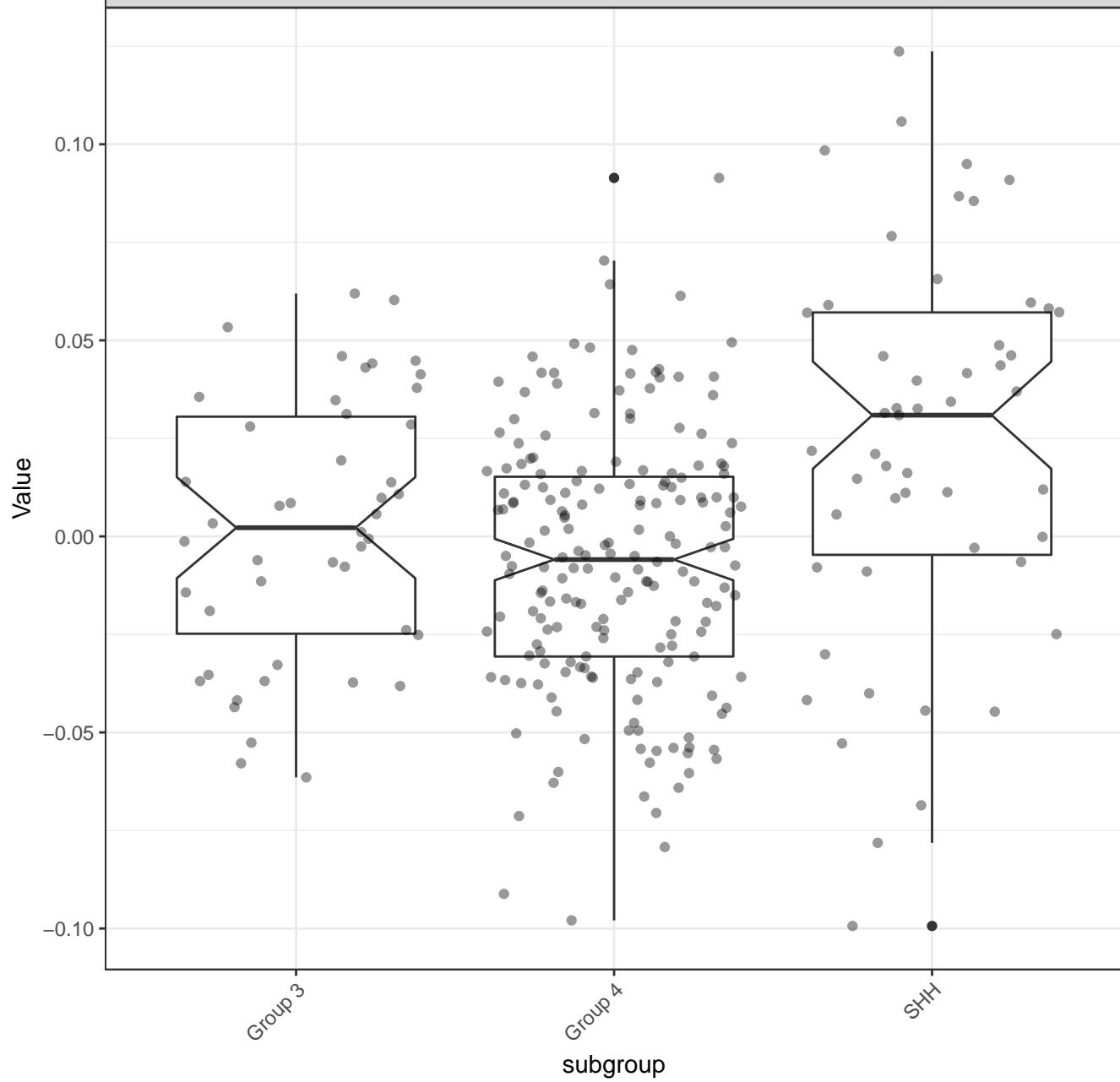
Group 3

subgroup

SHH



LV 55



LV 56

Value

0.1

0.0

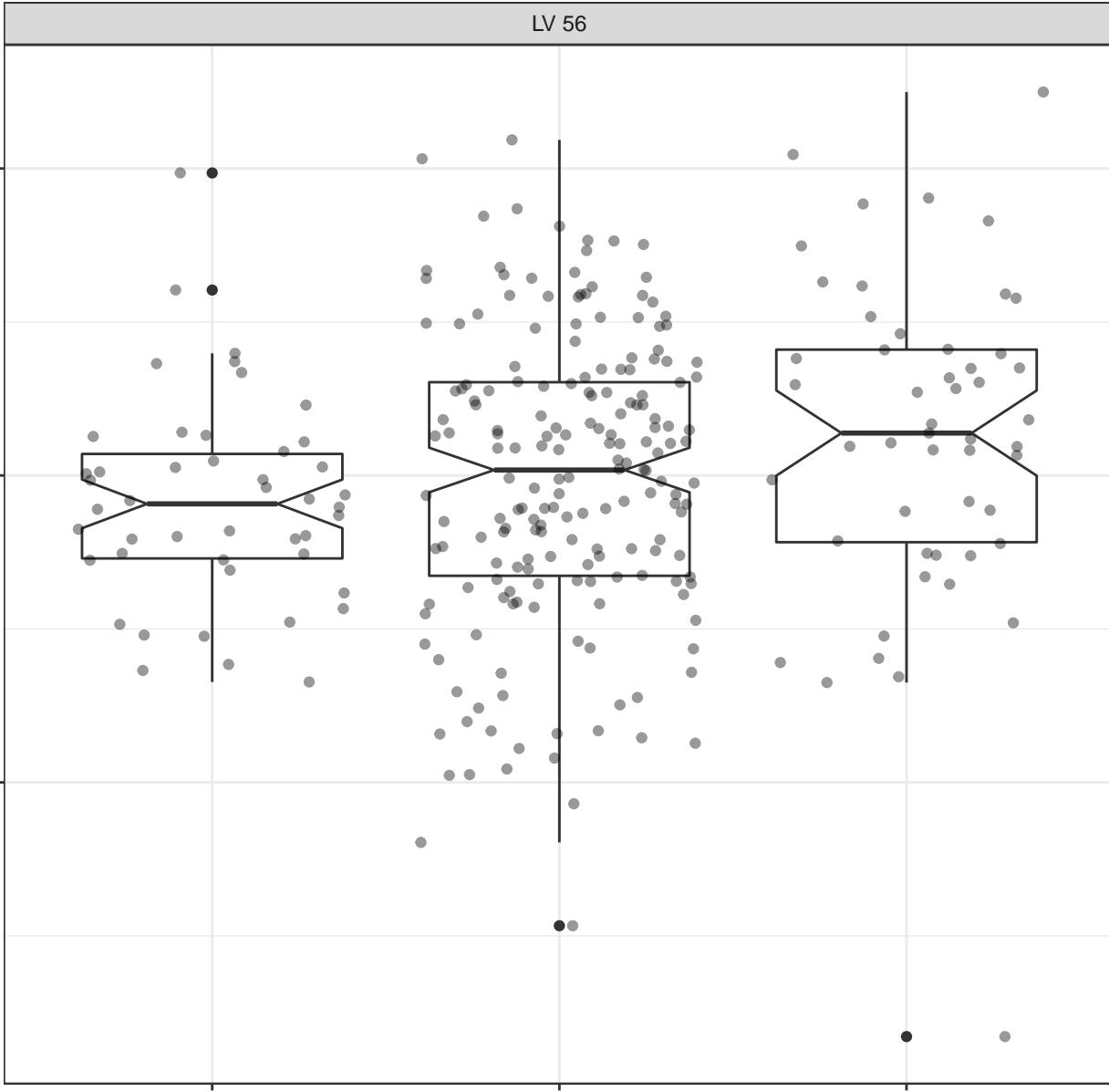
-0.1

Group 3

Group 4

SHH

subgroup



57,SVM T cells CD4 memory activated

Value

0.10

0.05

0.00

-0.05

-0.10

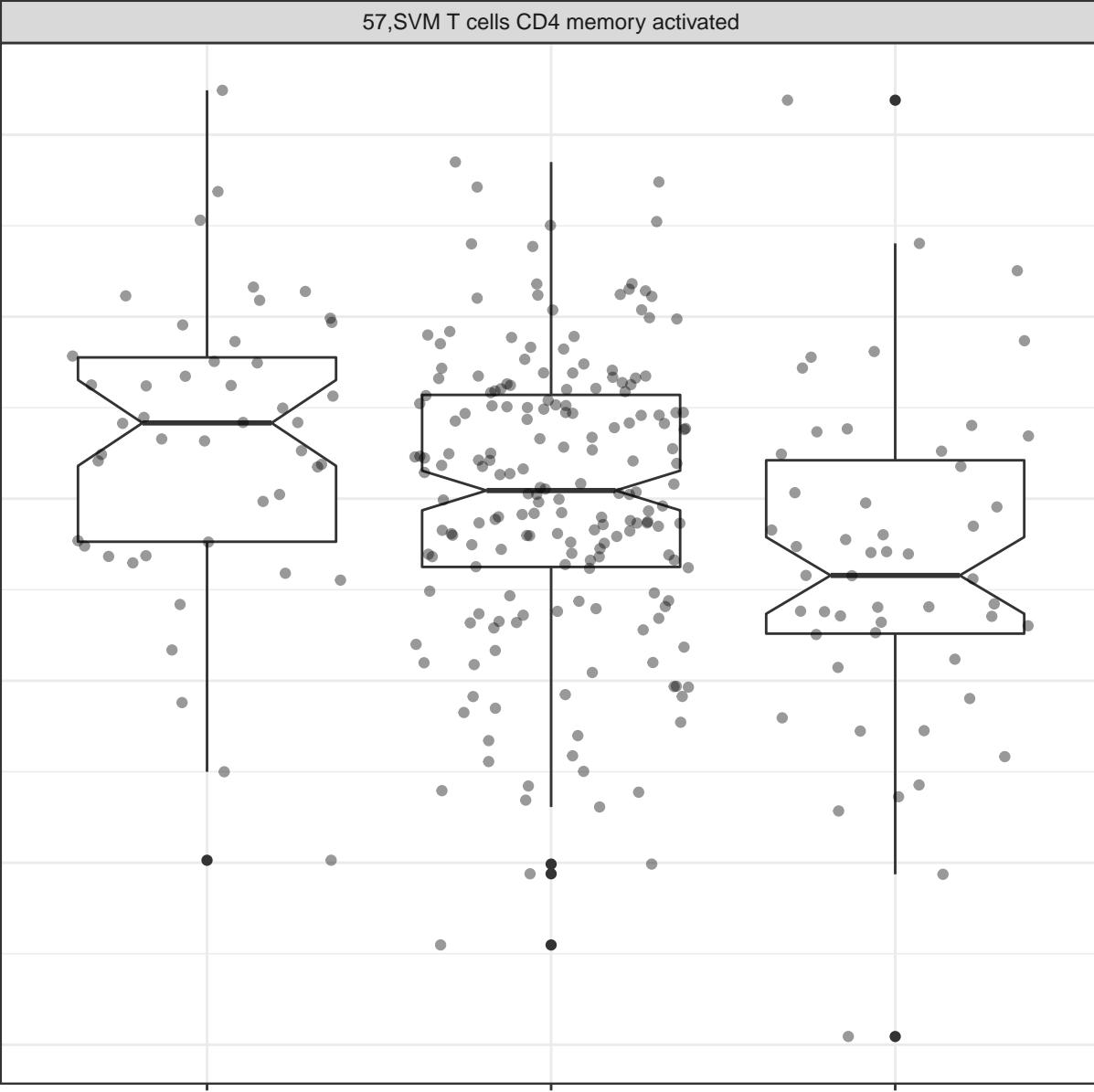
-0.15

Group 3

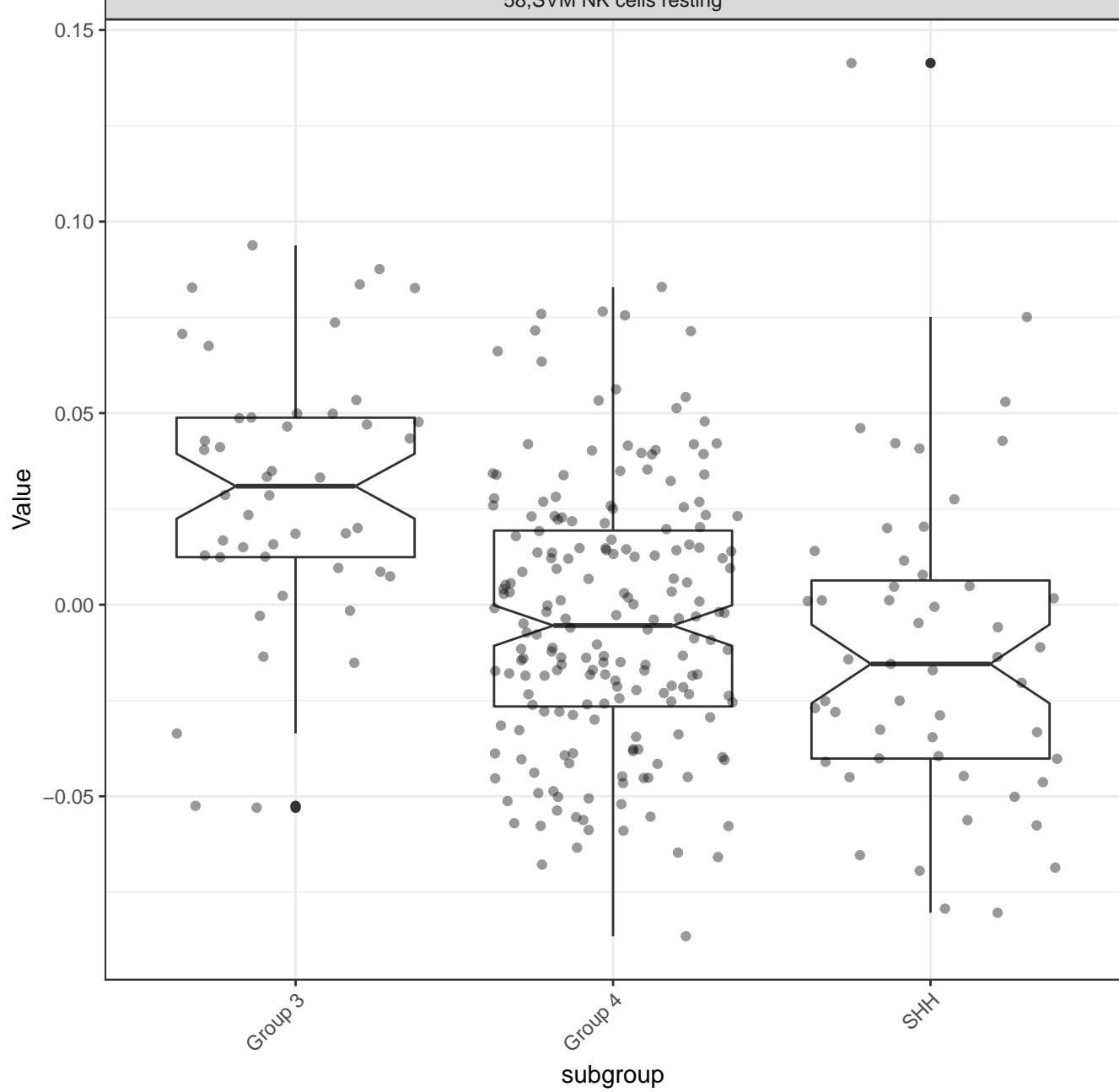
subgroup

Group 4

SHH



58,SVM NK cells resting



LV 59

Value

0.05

0.00

-0.05

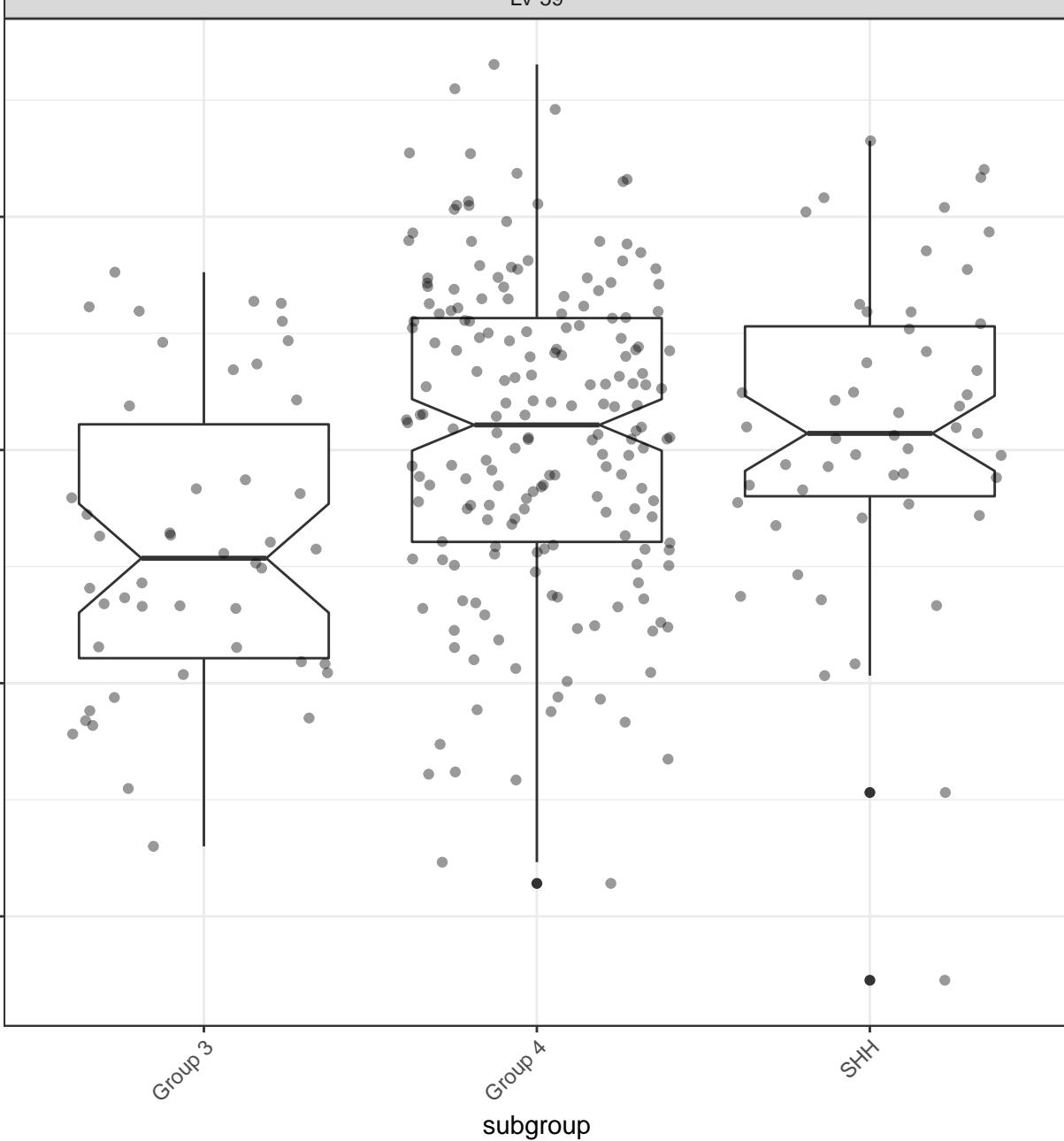
-0.10

Group 3

Group 4

SHH

subgroup



LV 60

Value

0.3

0.2

0.1

0.0

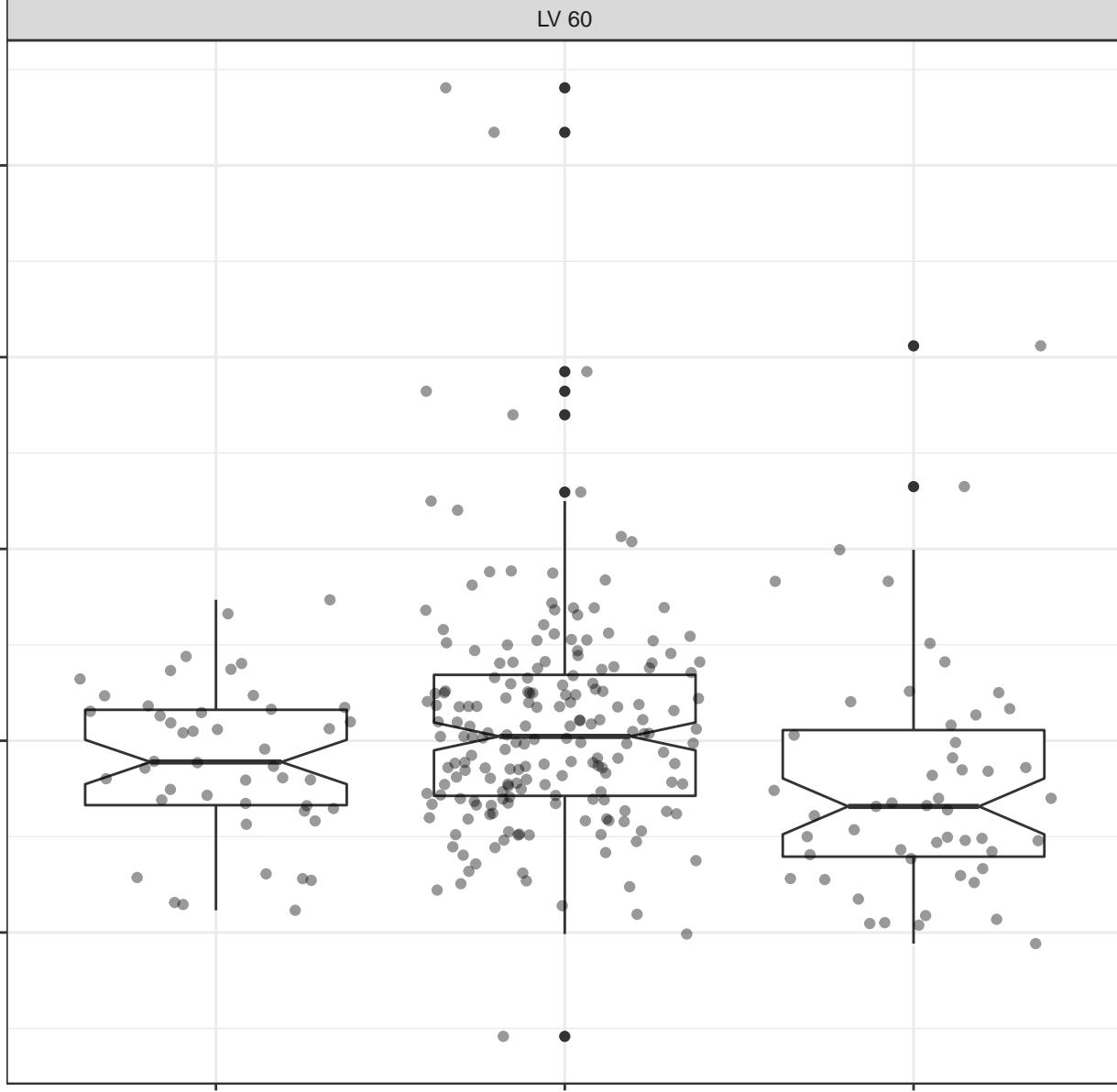
-0.1

Group 3

Group 4

SHH

subgroup



61,DMAP_ERY5

Value

0.15

0.10

0.05

0.00

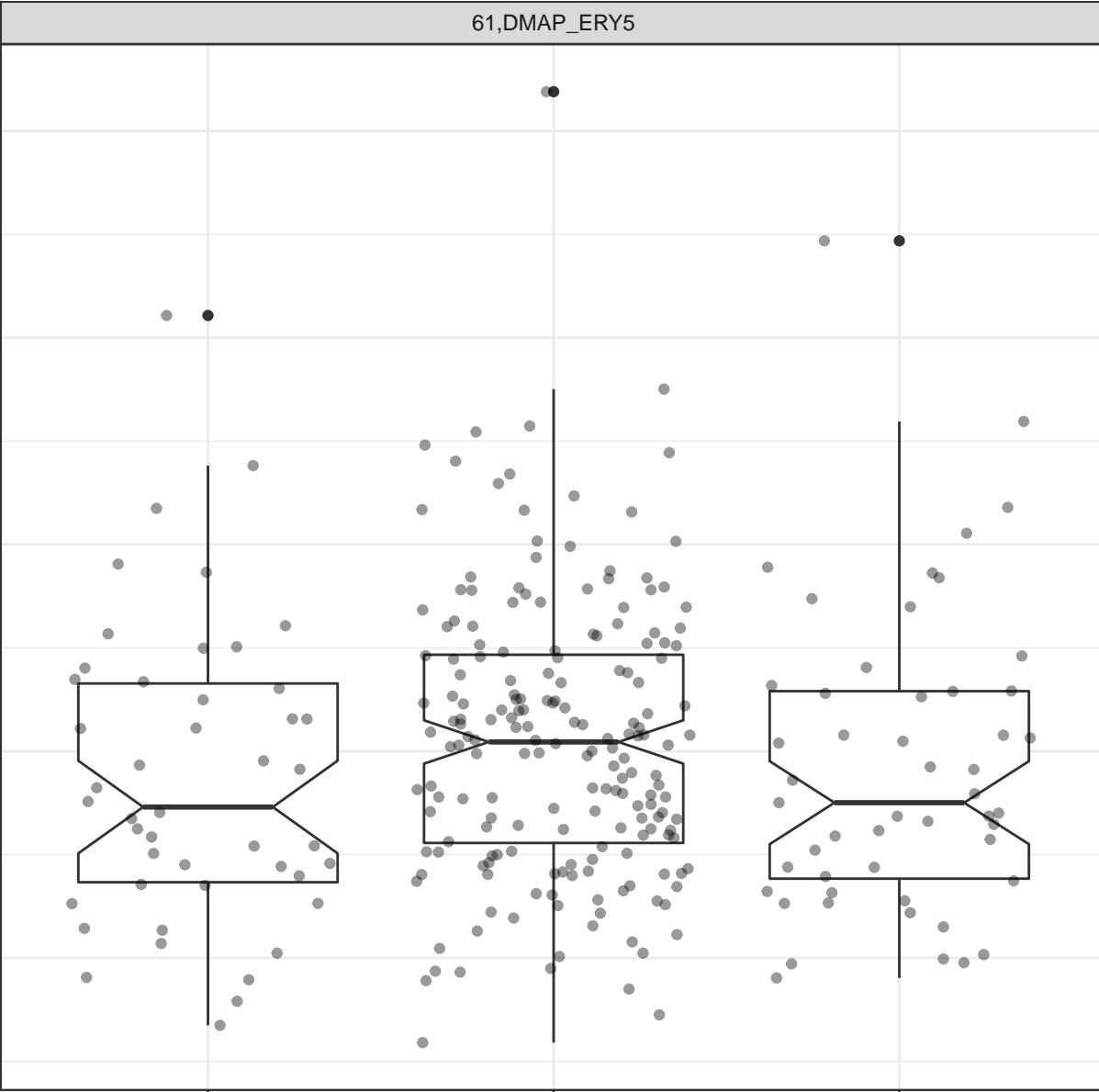
-0.05

Group 3

subgroup

Group 4

SHH



LV 62

Value

0.3

0.2

0.1

0.0

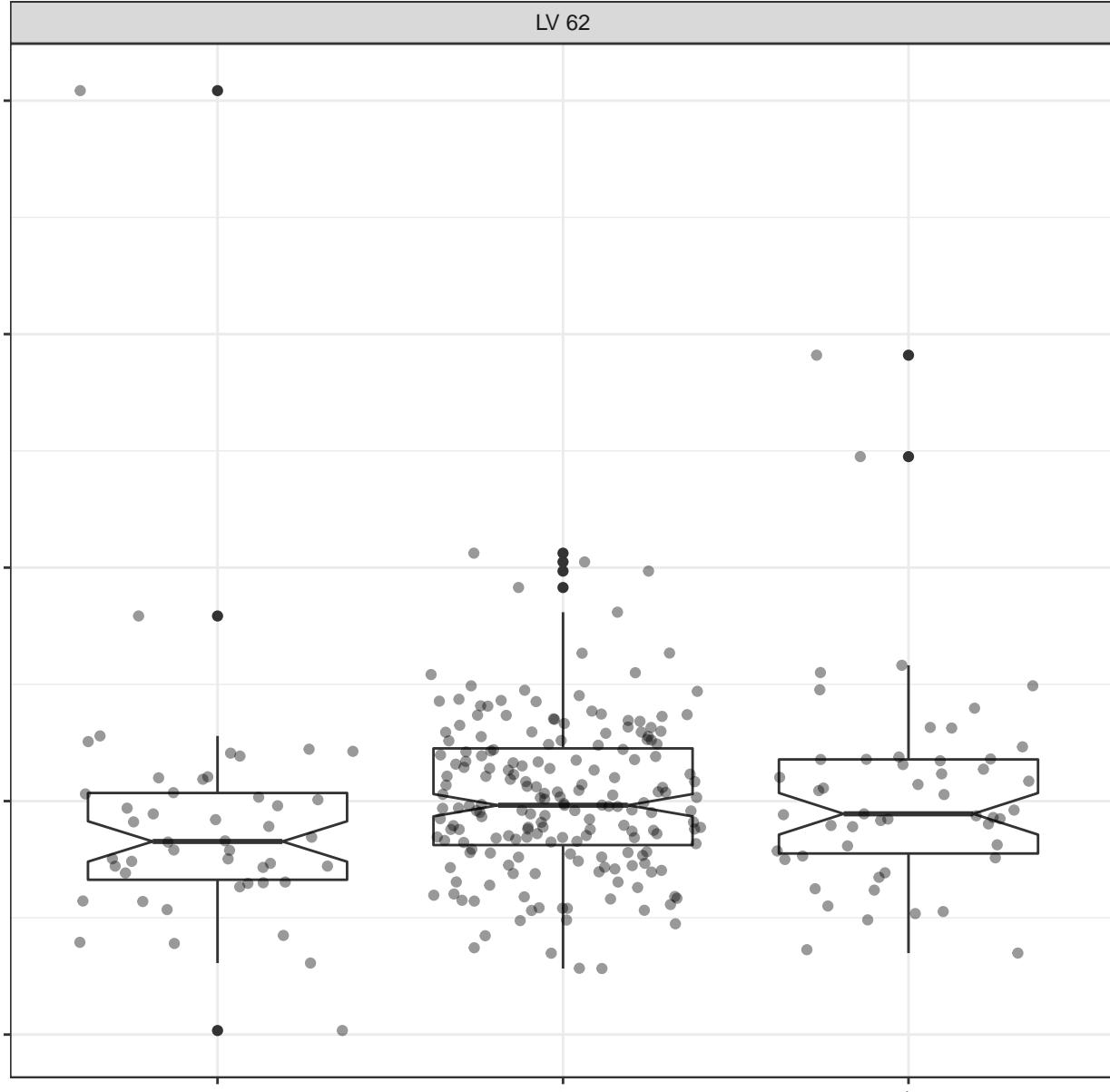
-0.1

Group 3

Group 4

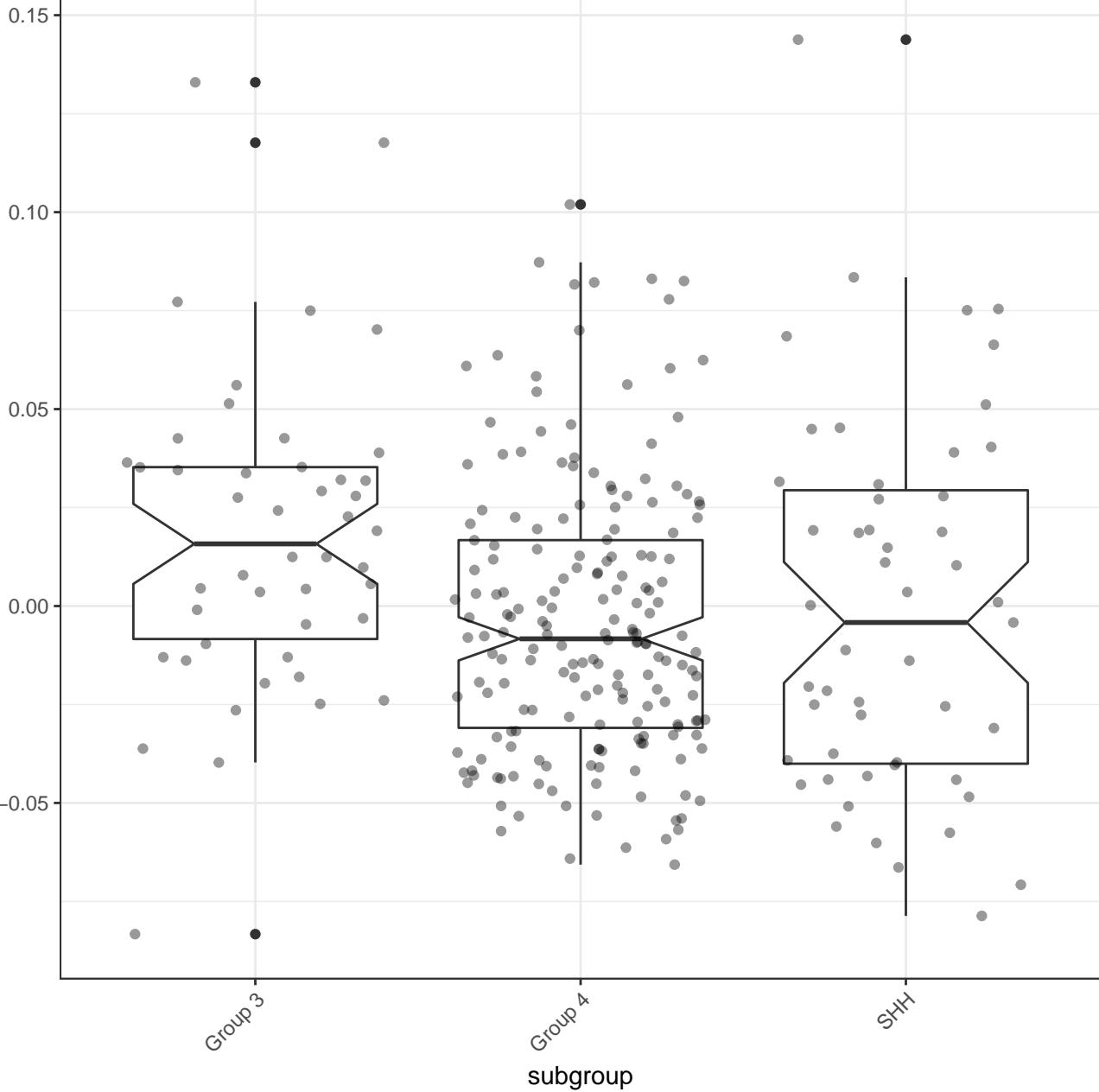
SHH

subgroup

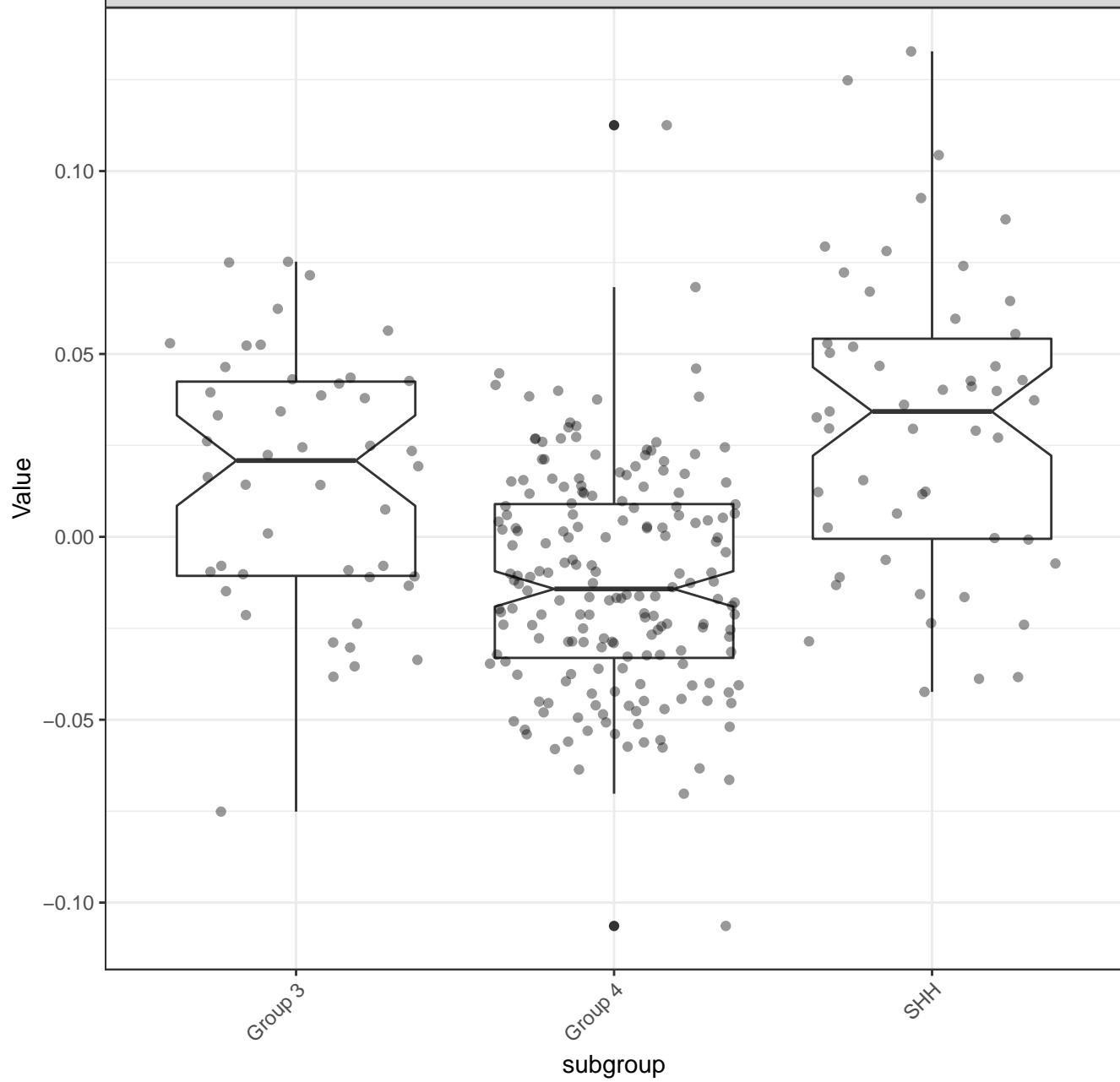


LV 63

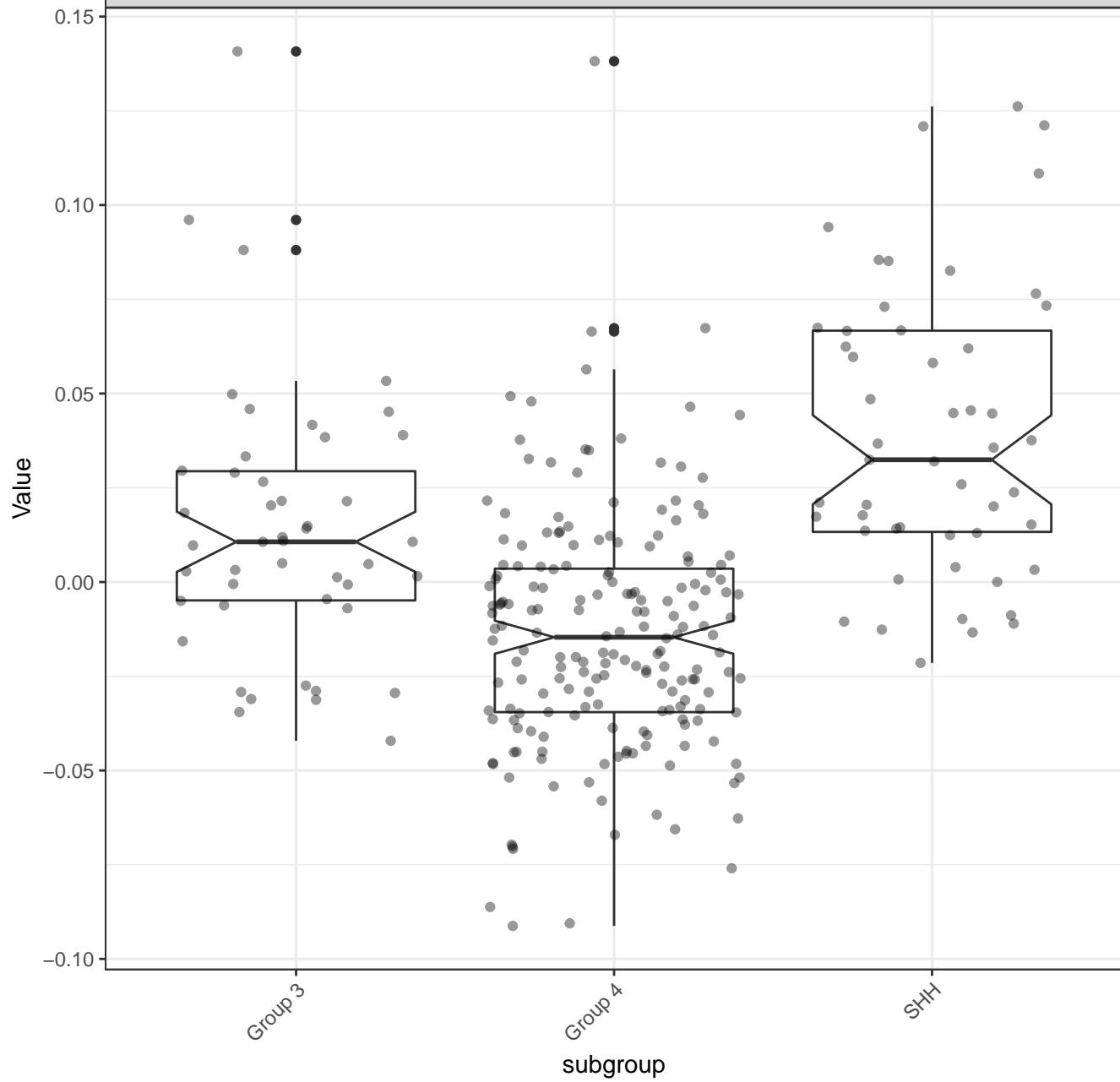
Value



LV 64



LV 65



66,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

Value

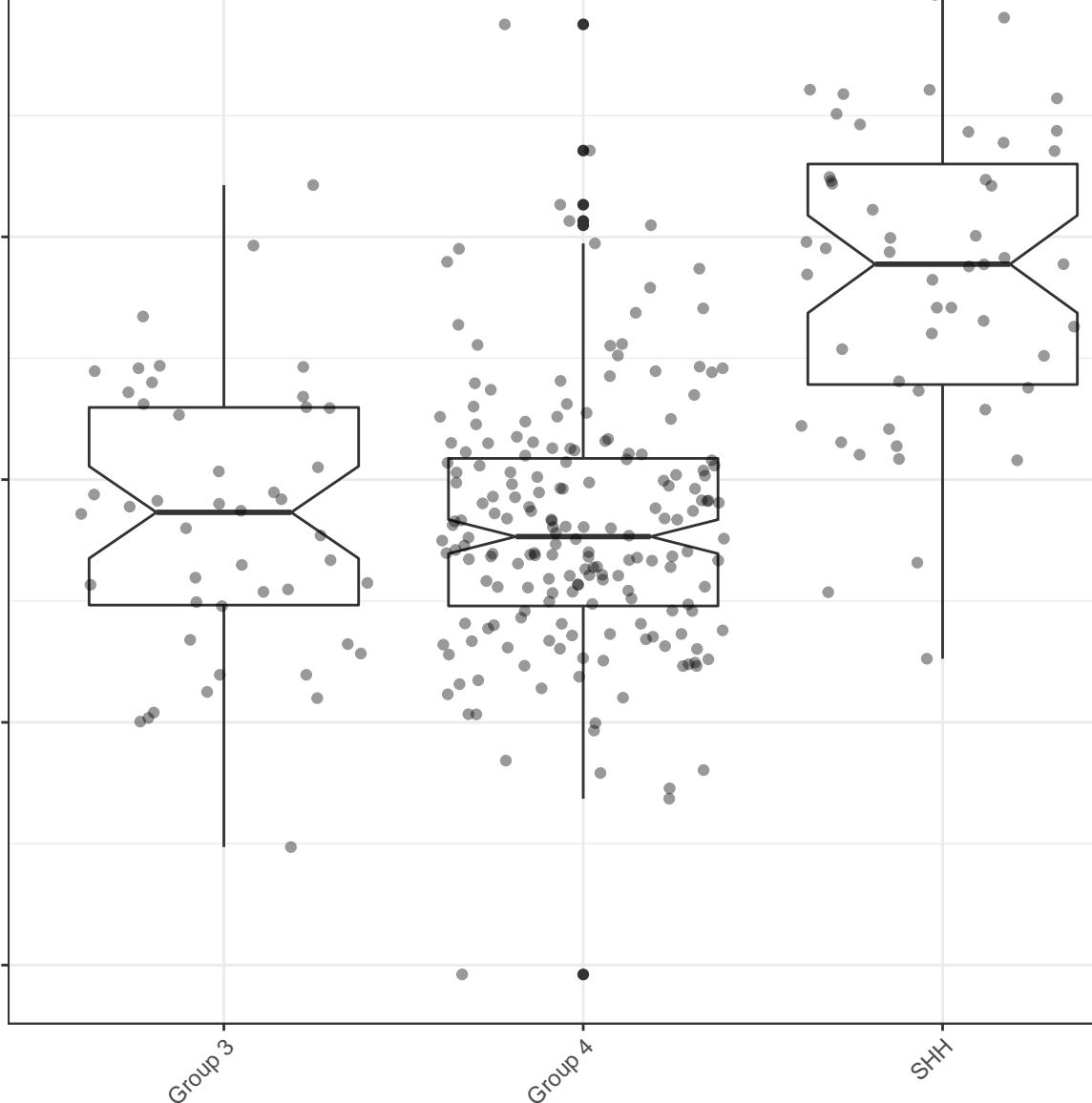
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 67

Value

0.05

0.00

-0.05

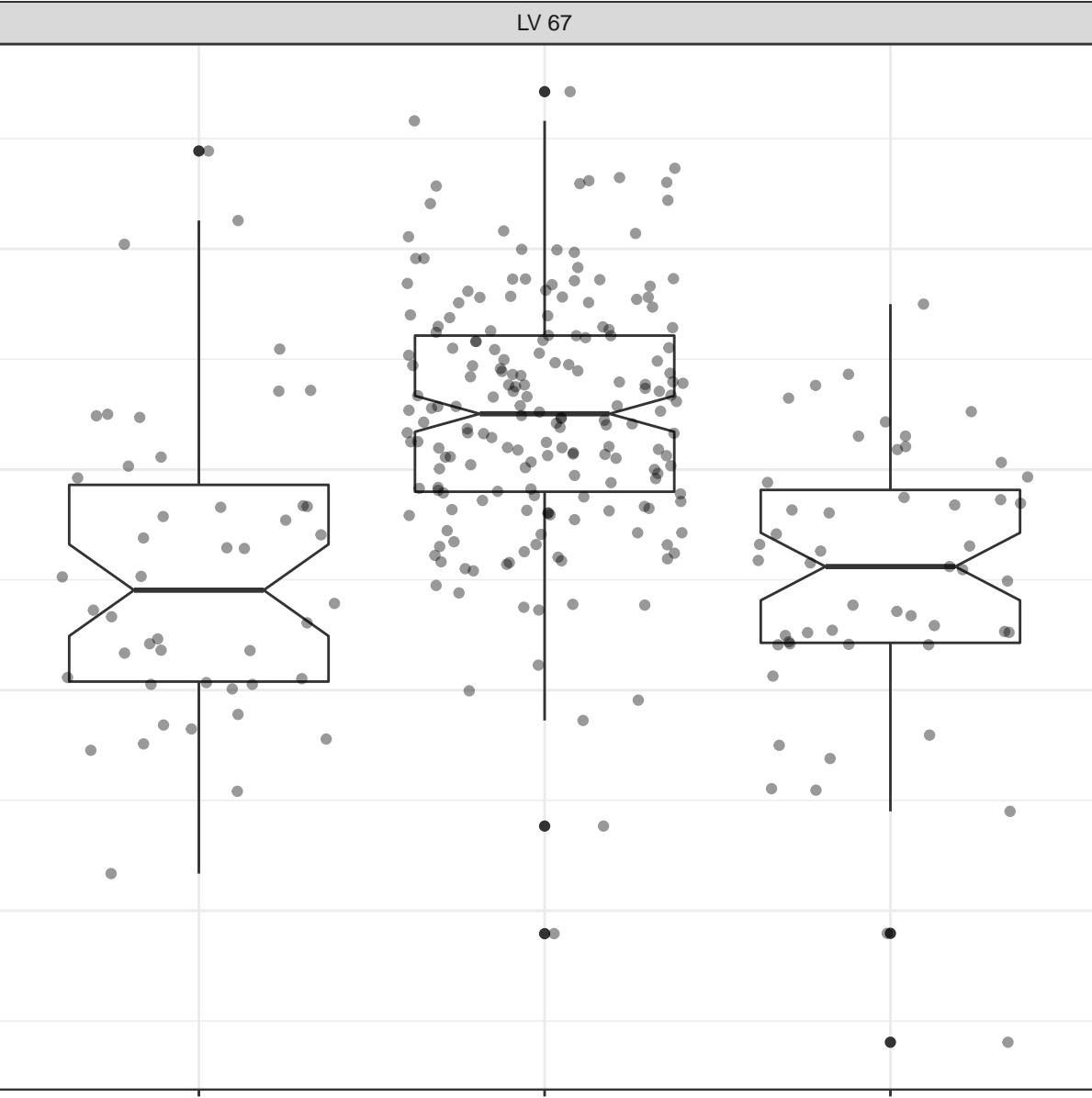
-0.10

Group 3

subgroup

Group 4

SHH



68,DMAP_ERY2

Value

0.4

0.2

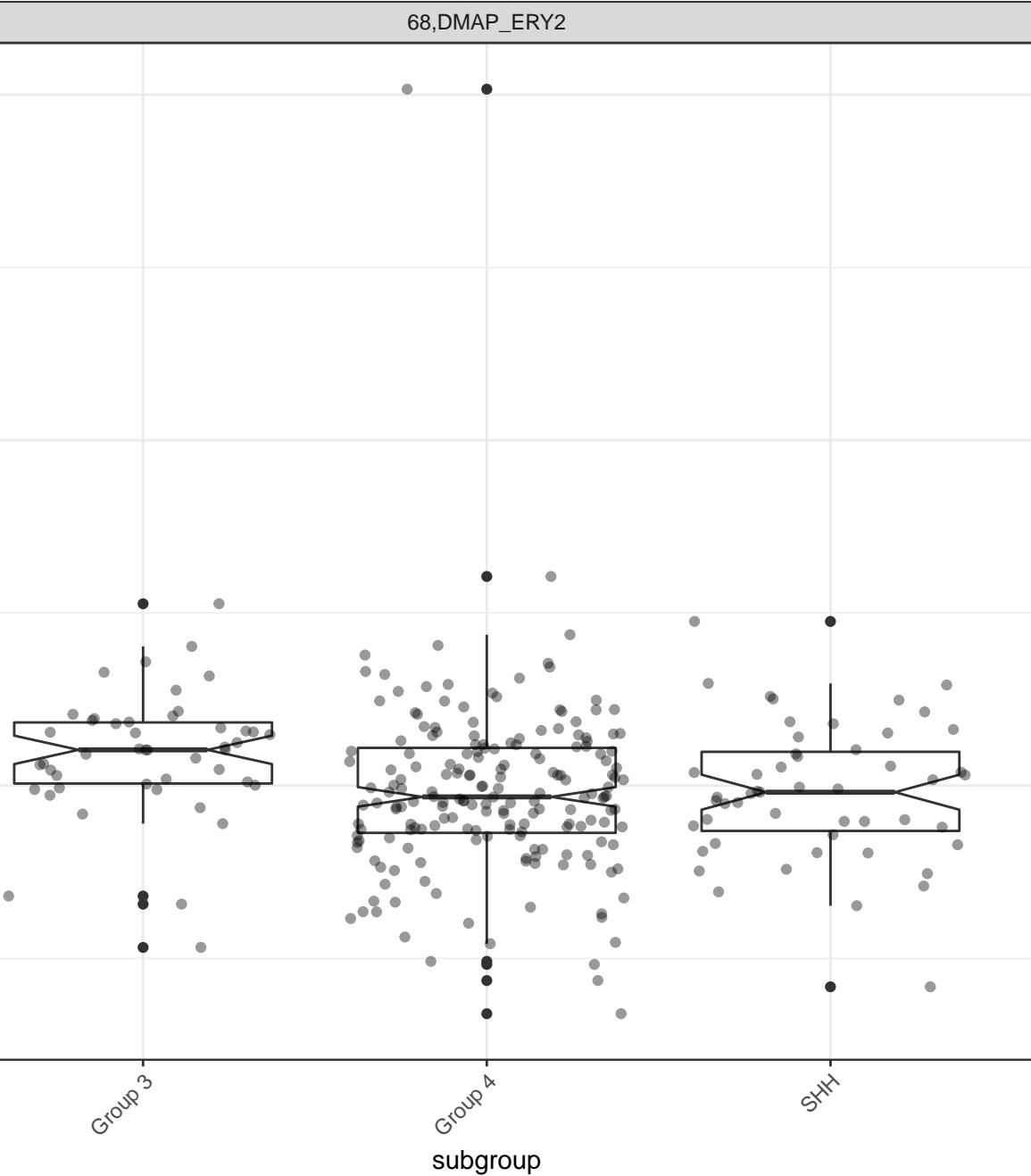
0.0

Group 3

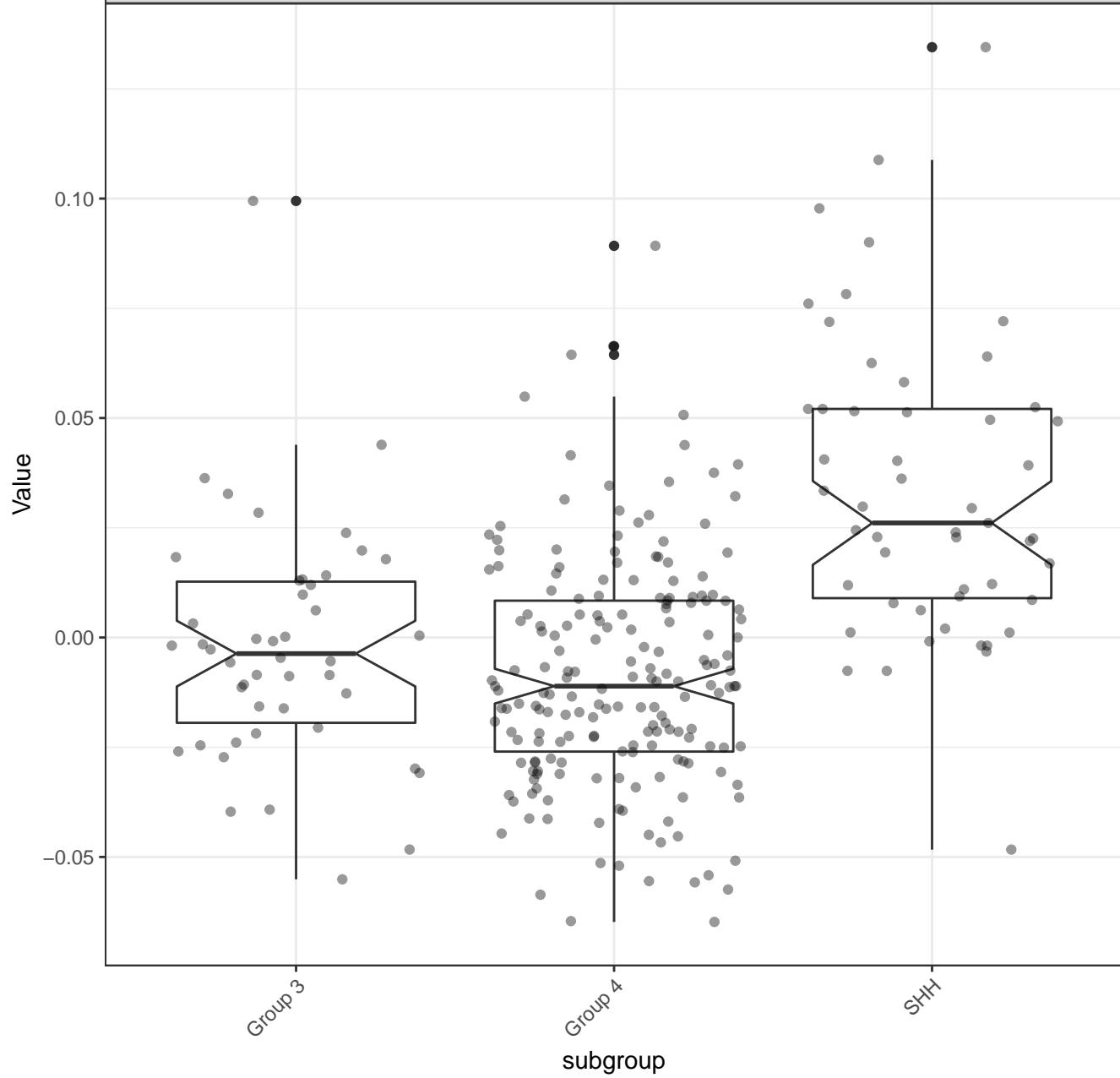
Group 4

SHH

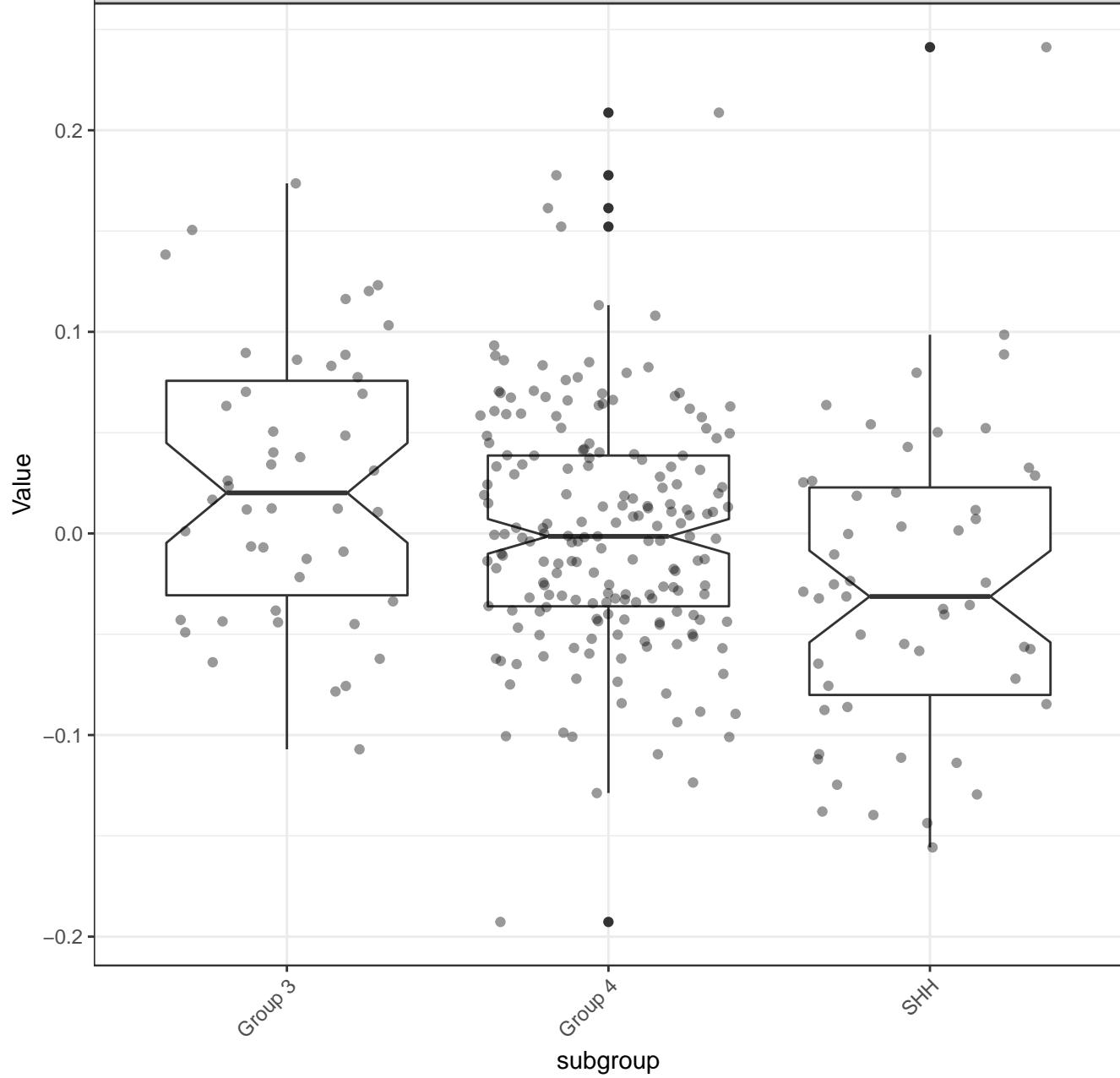
subgroup



69,SVM Macrophages M1



70,MIPS_PA700_20S_PA28_COMPLEX



LV 71

Value

0.1

0.0

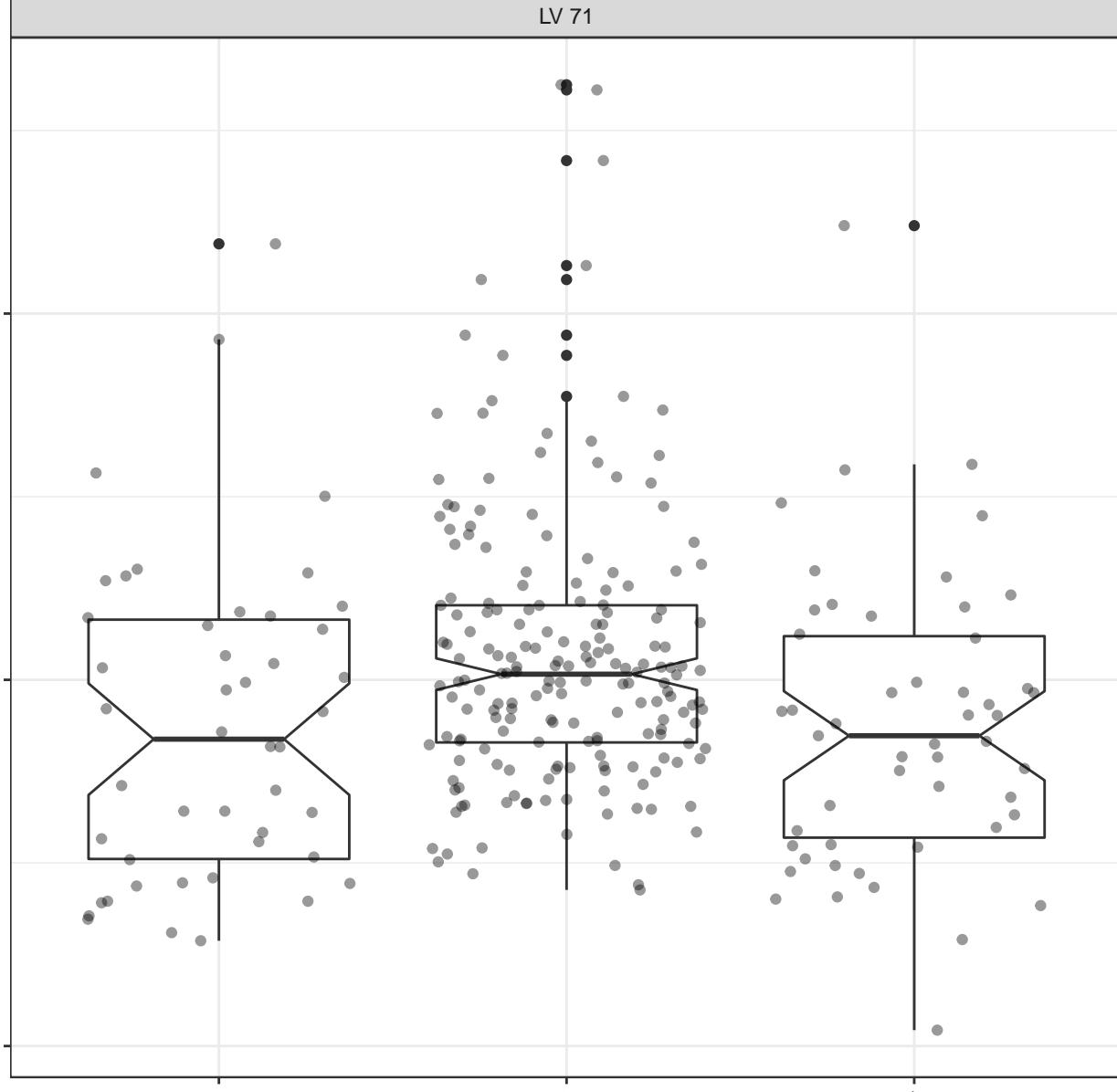
-0.1

Group 3

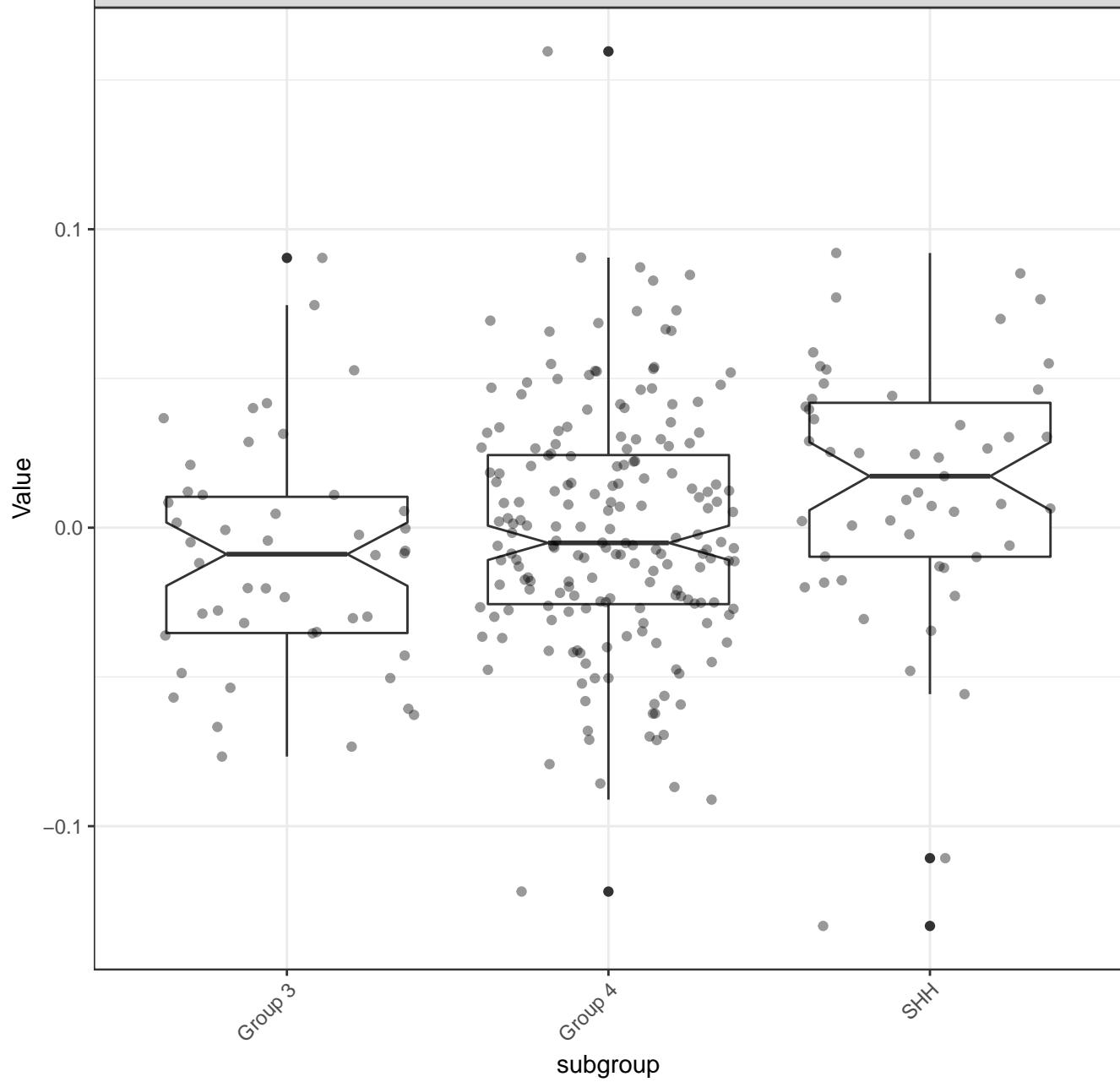
subgroup

Group 4

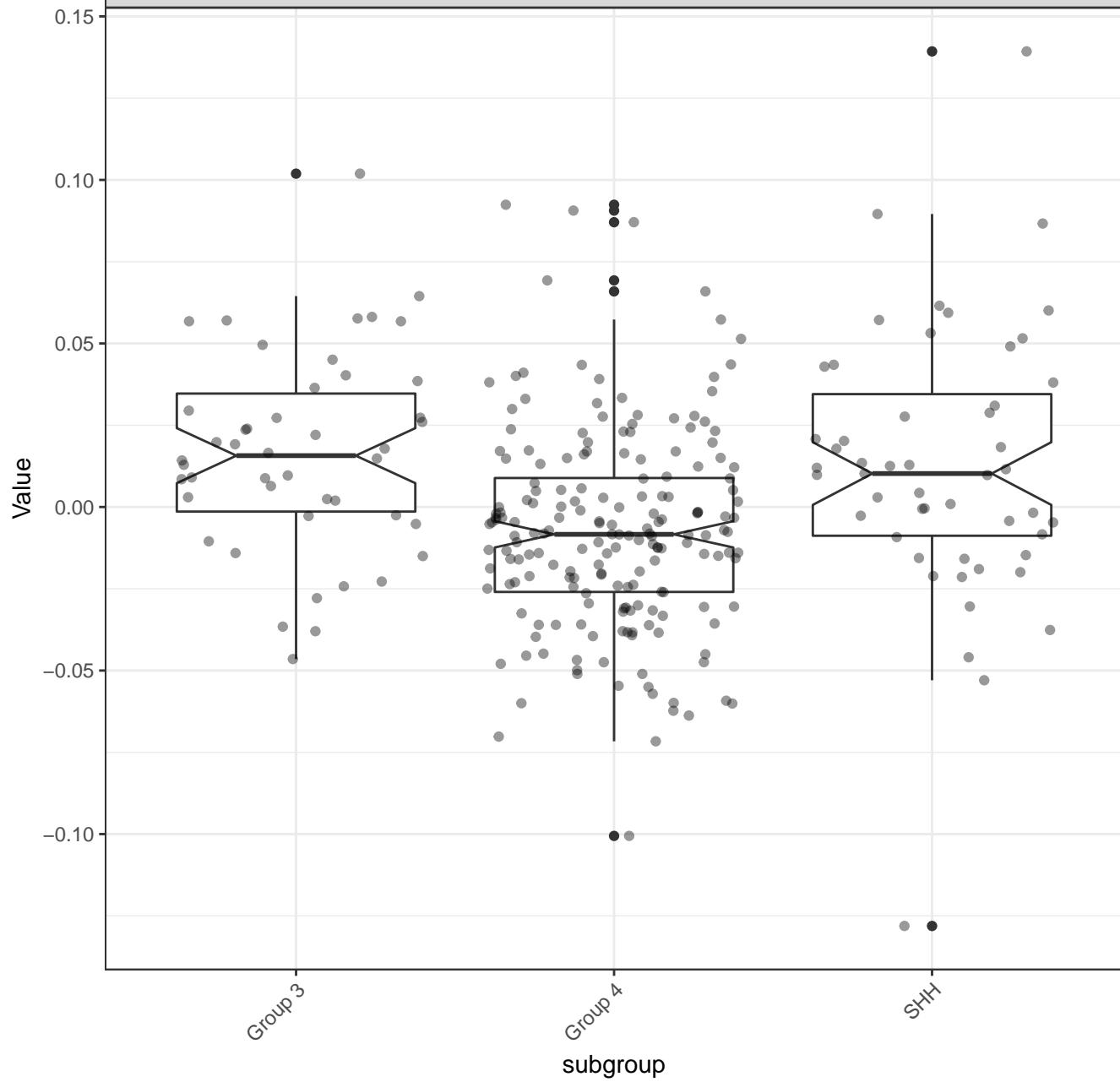
SHH



LV 72

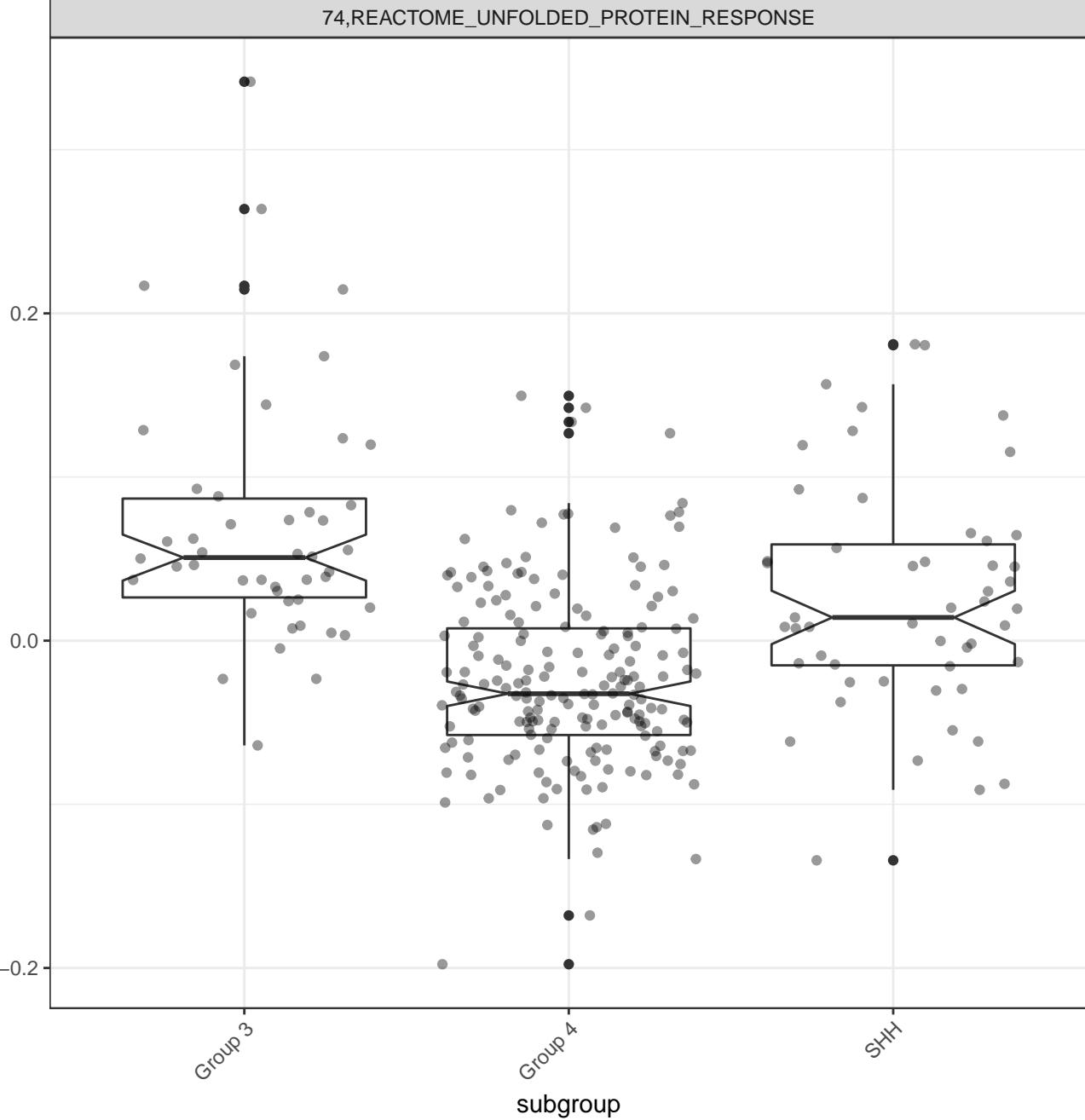


LV 73



74,REACTOME_UNFOLDED_PROTEIN_RESPONSE

Value



LV 75

Value

0.10

0.05

0.00

-0.05

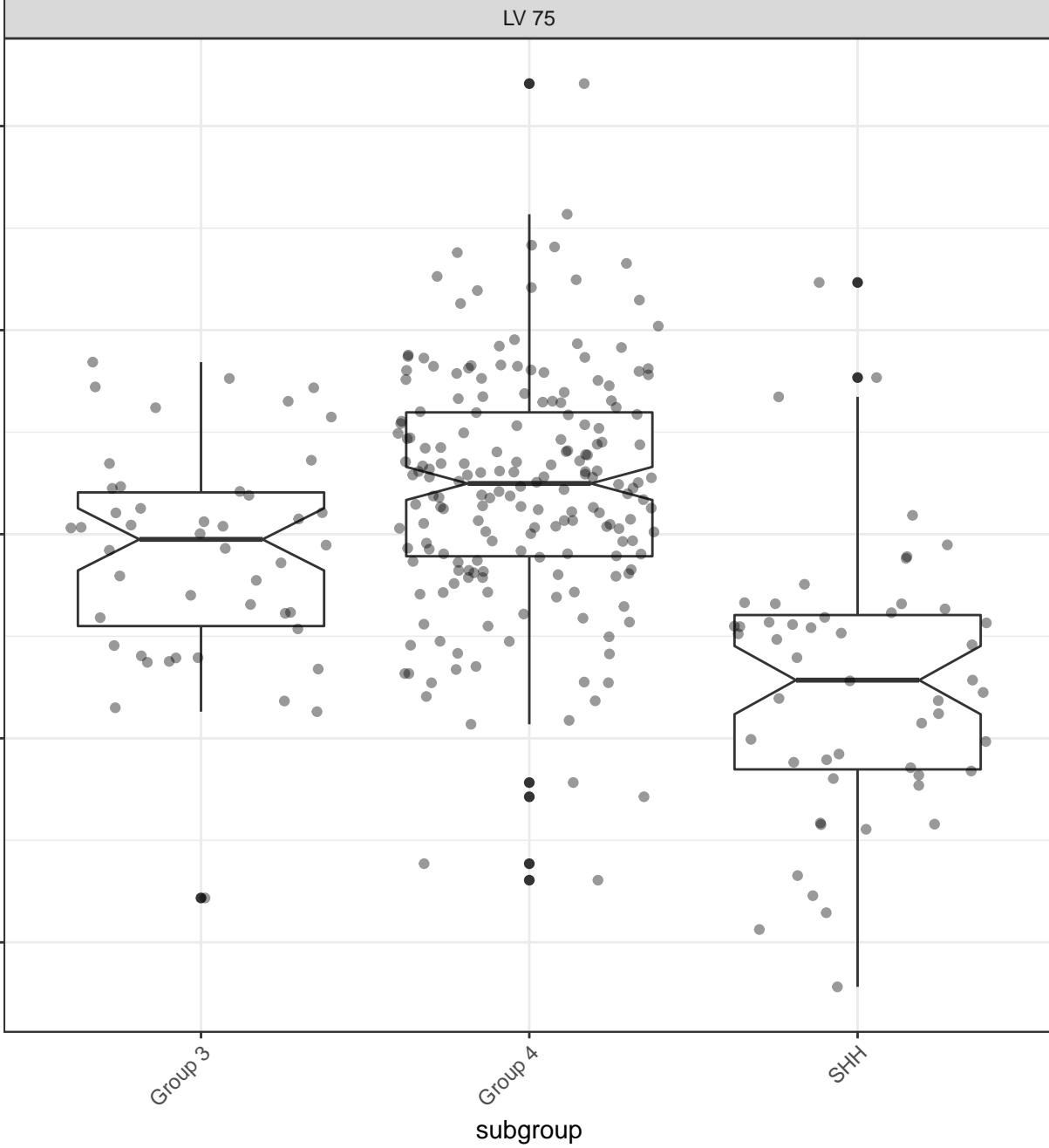
-0.10

Group 3

Group 4

SHH

subgroup



LV 76

Value

0.05

0.01

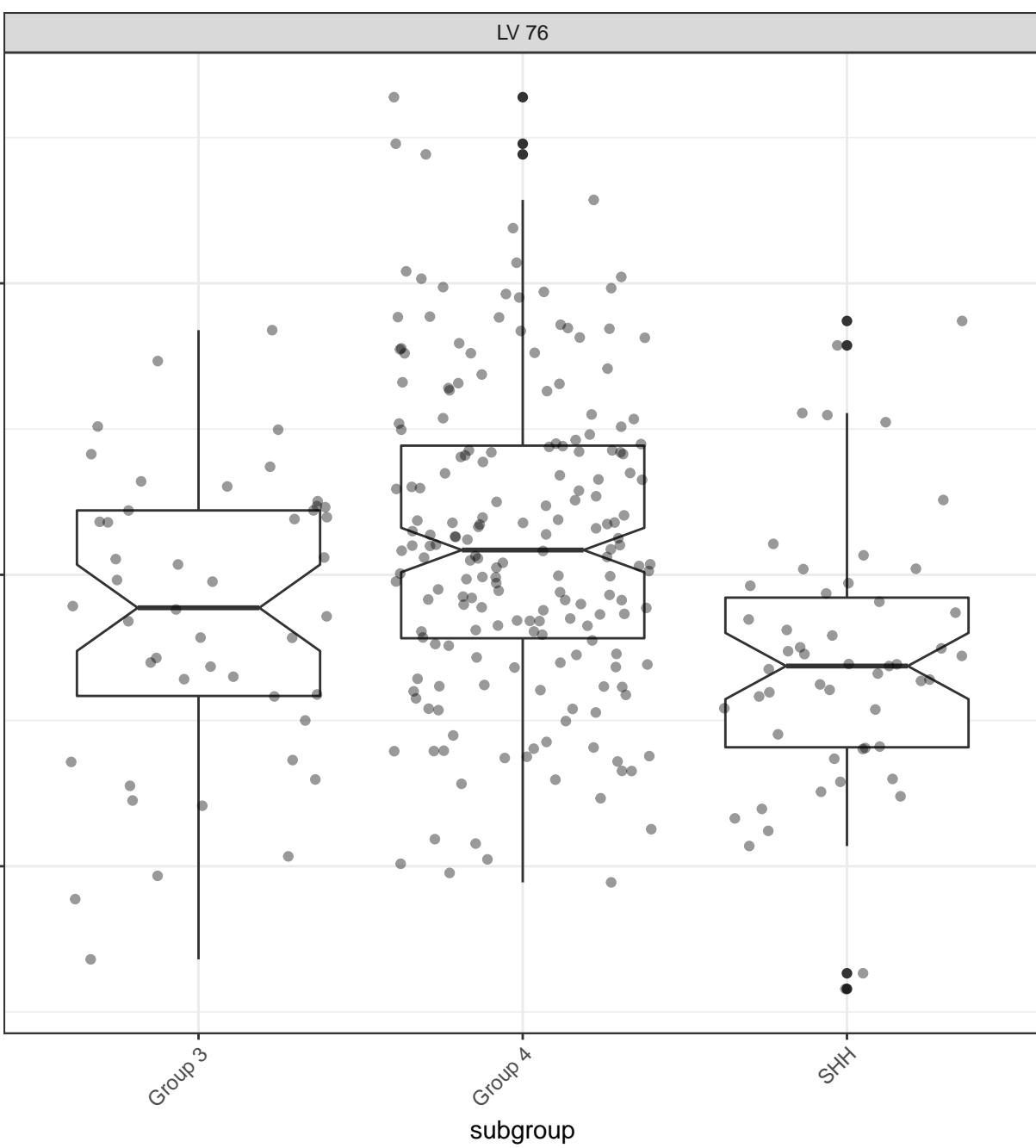
-0.05

Group 3

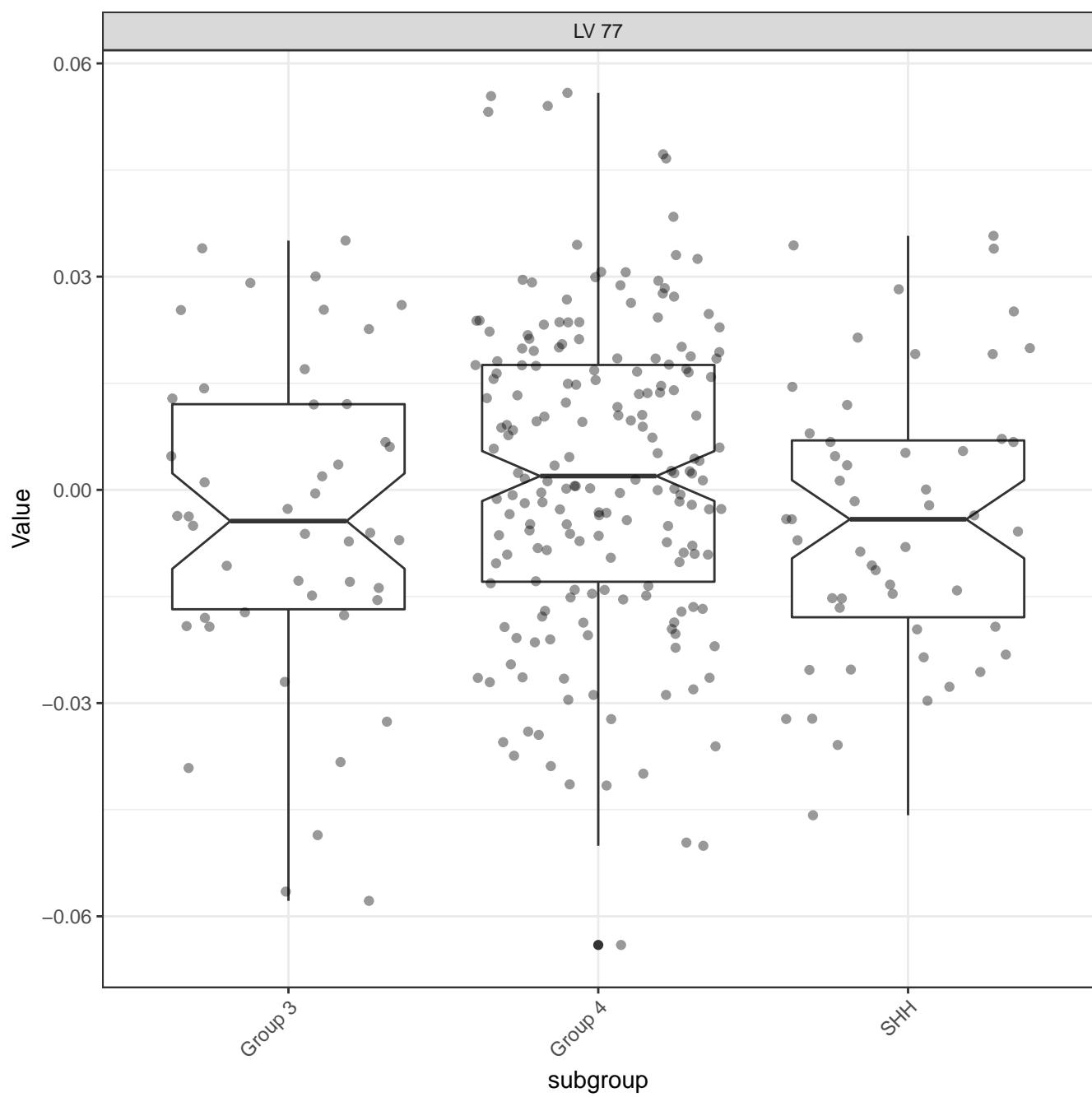
Group 4

SHH

subgroup



LV 77



LV 78

Value

0.10

0.05

0.00

-0.05

-0.10

Group 3

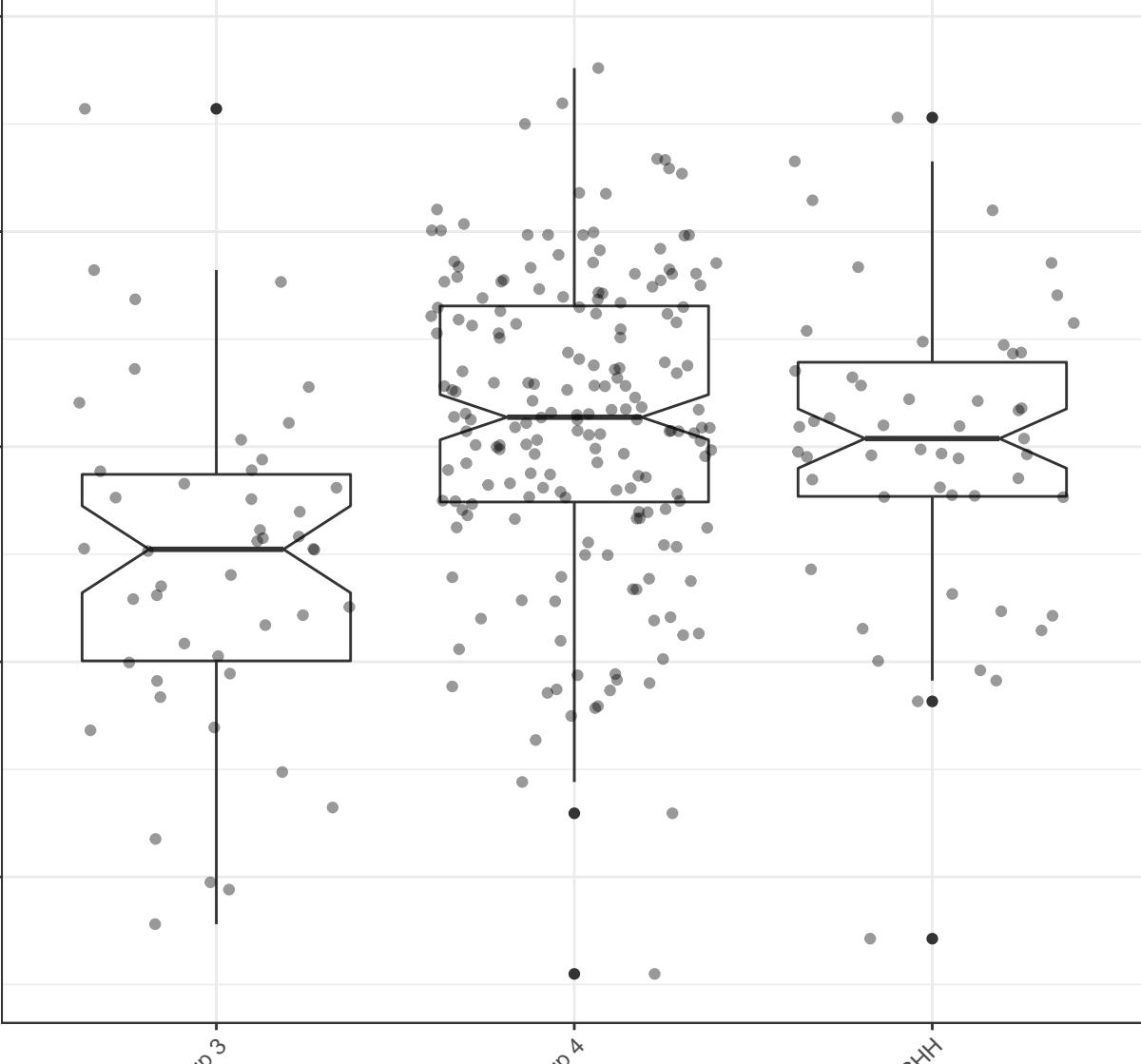
subgroup

SHH

Group 3

subgroup

SHH



LV 79

Vvalue

0.10

0.05

0.00

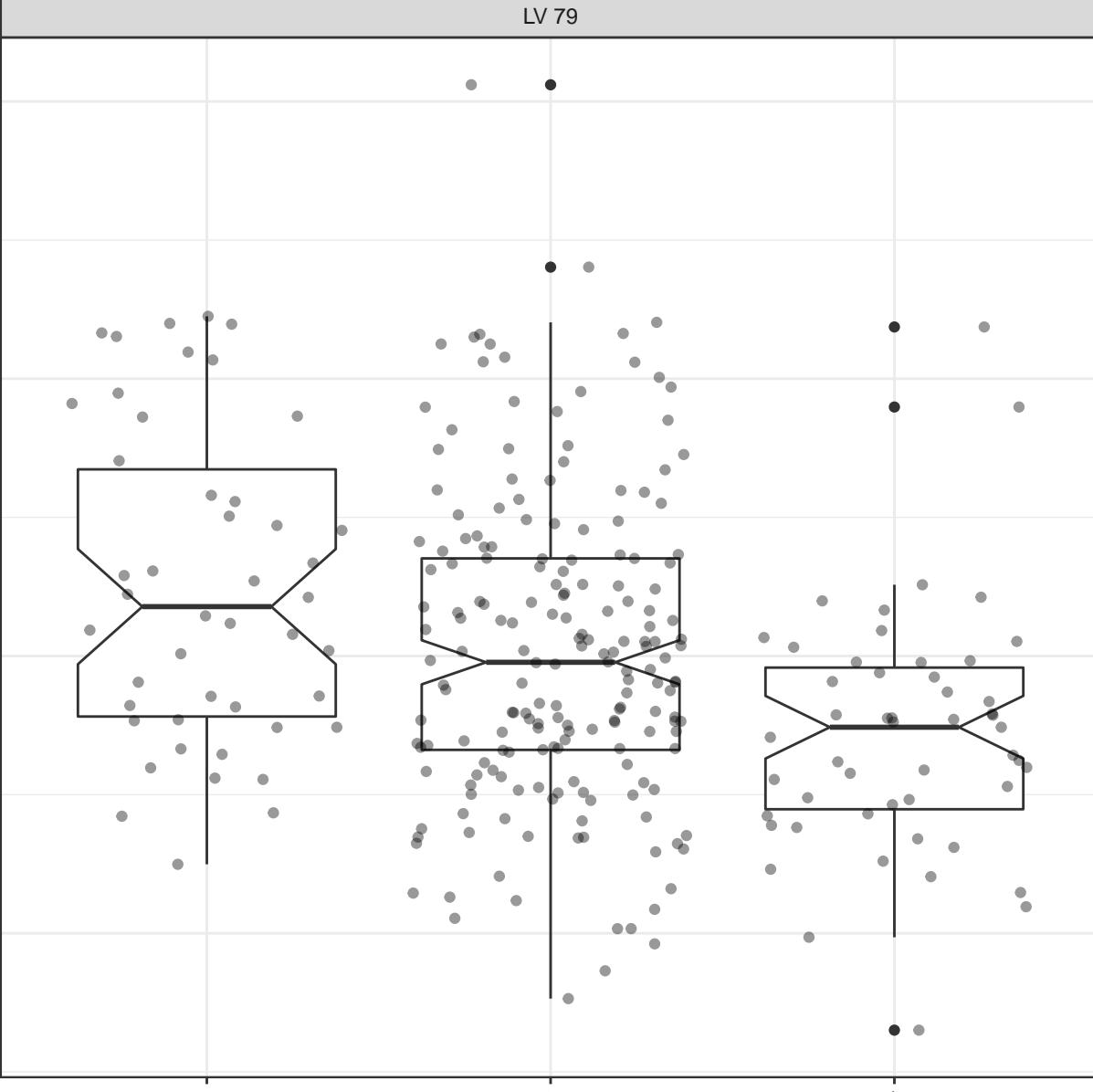
-0.05

Group 3

subgroup

Group 4

SHH



LV 80

Value

0.10

0.05

0.00

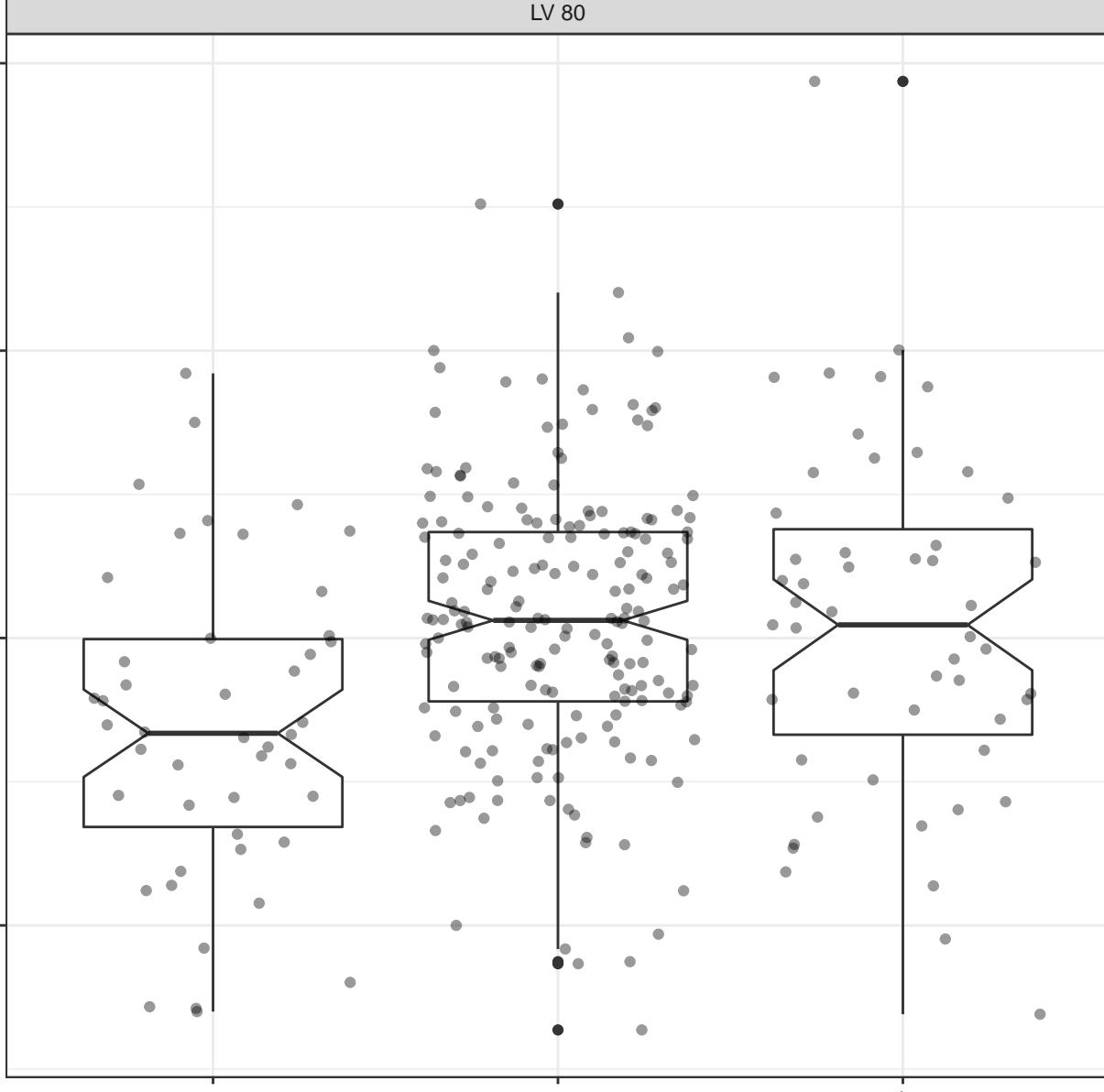
-0.05

Group 3

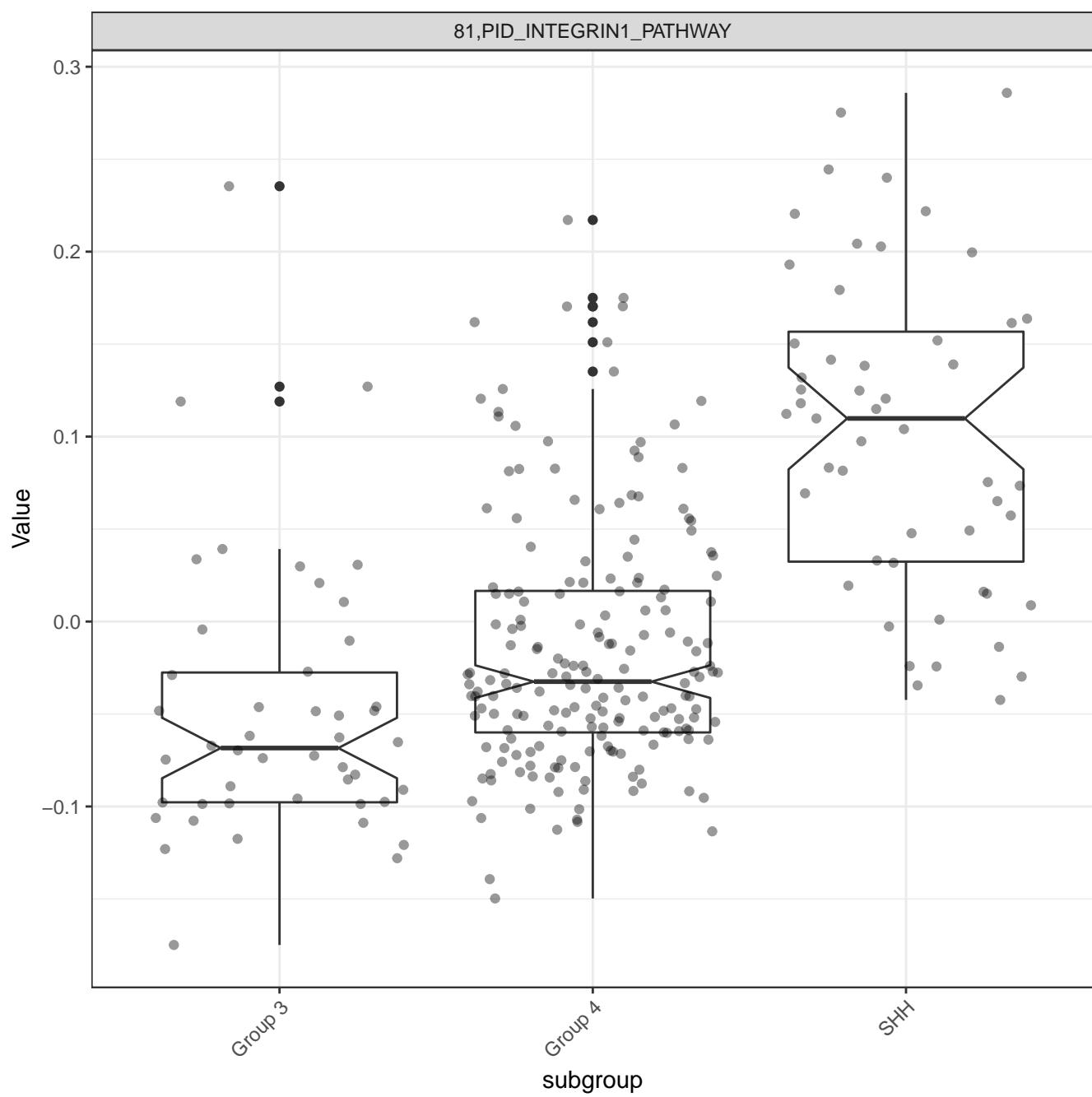
subgroup

Group 4

SHH



81,PID_INTEGRIN1_PATHWAY



82,PID_RAC1_PATHWAY

Value

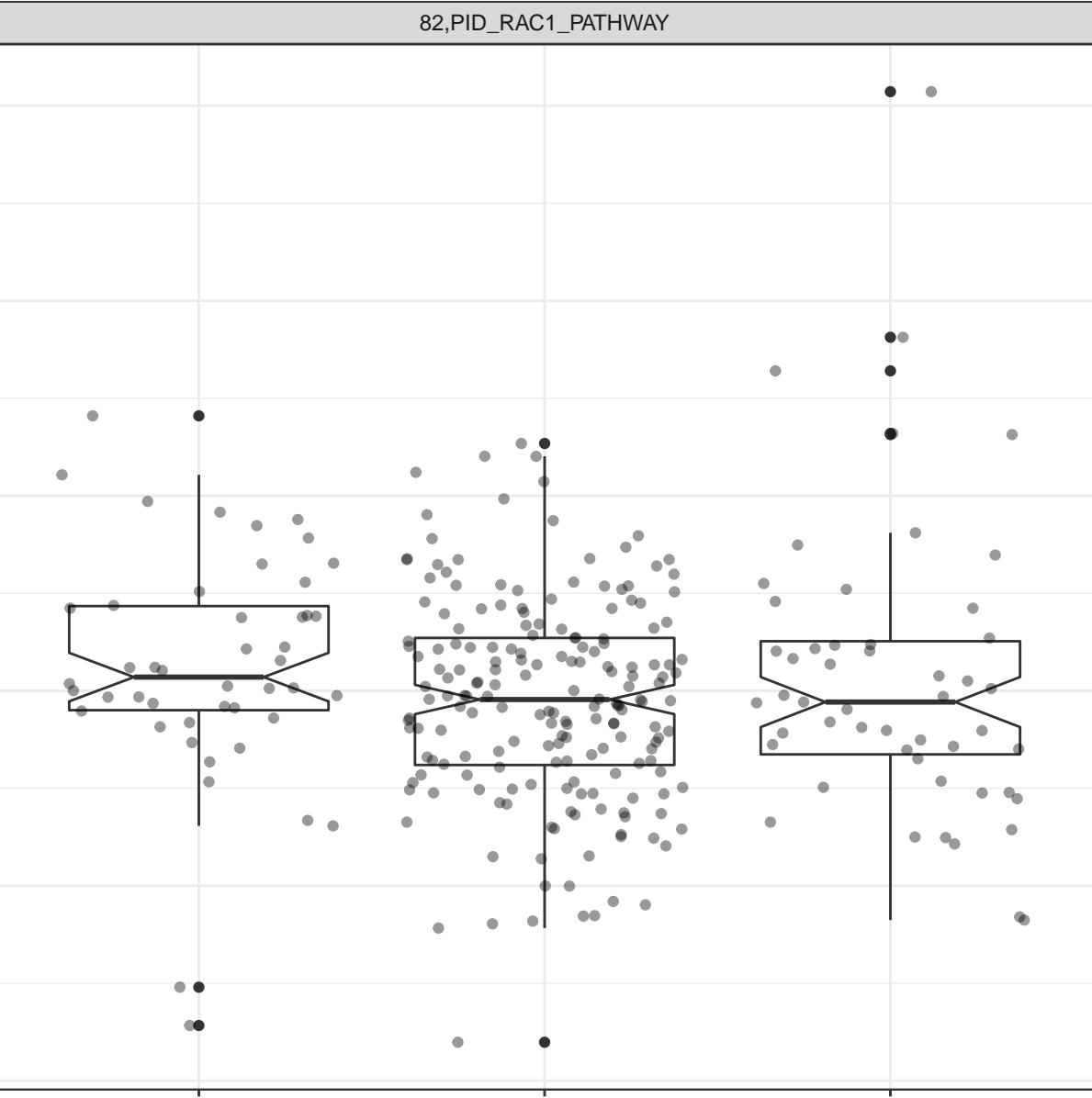
0.15
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 83

Value

0.2

0.1

0.0

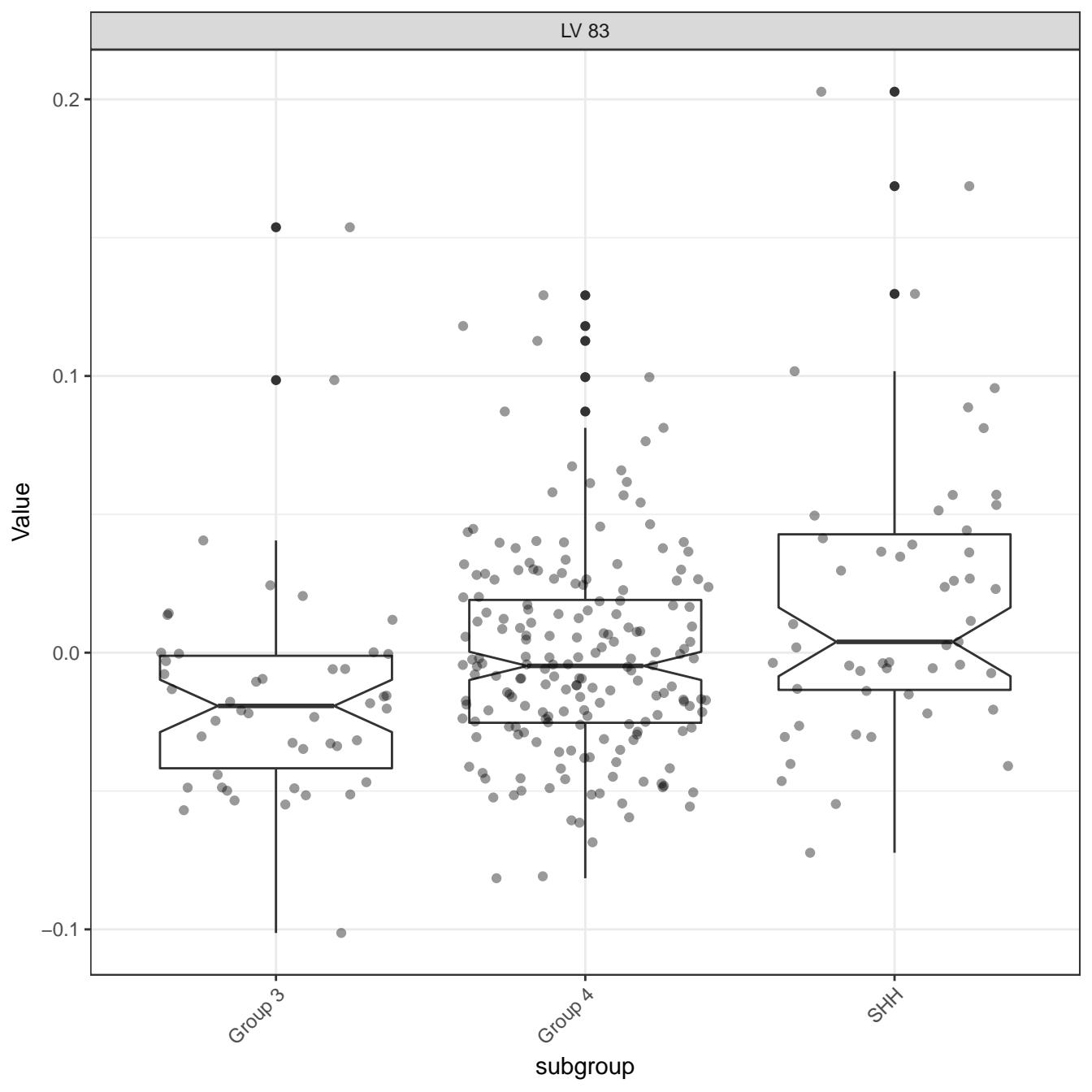
-0.1

Group 3

subgroup

SHH

Group 4



84,KEGG_SPLICEOSOME

Value

0.10

0.05

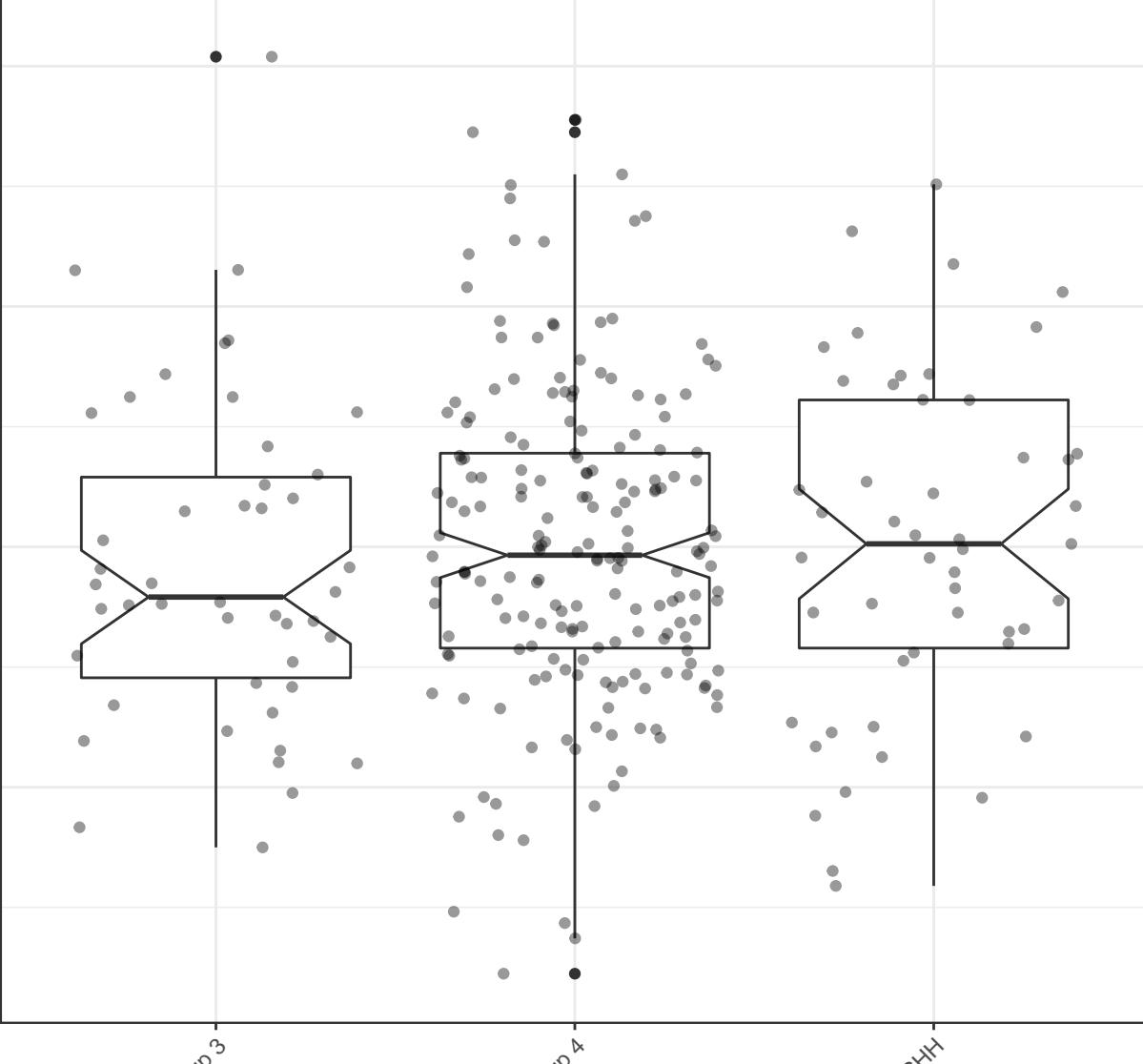
0.00

-0.05

Group 3

subgroup

SHH



LV 85

Value

0.10

0.05

0.00

-0.05

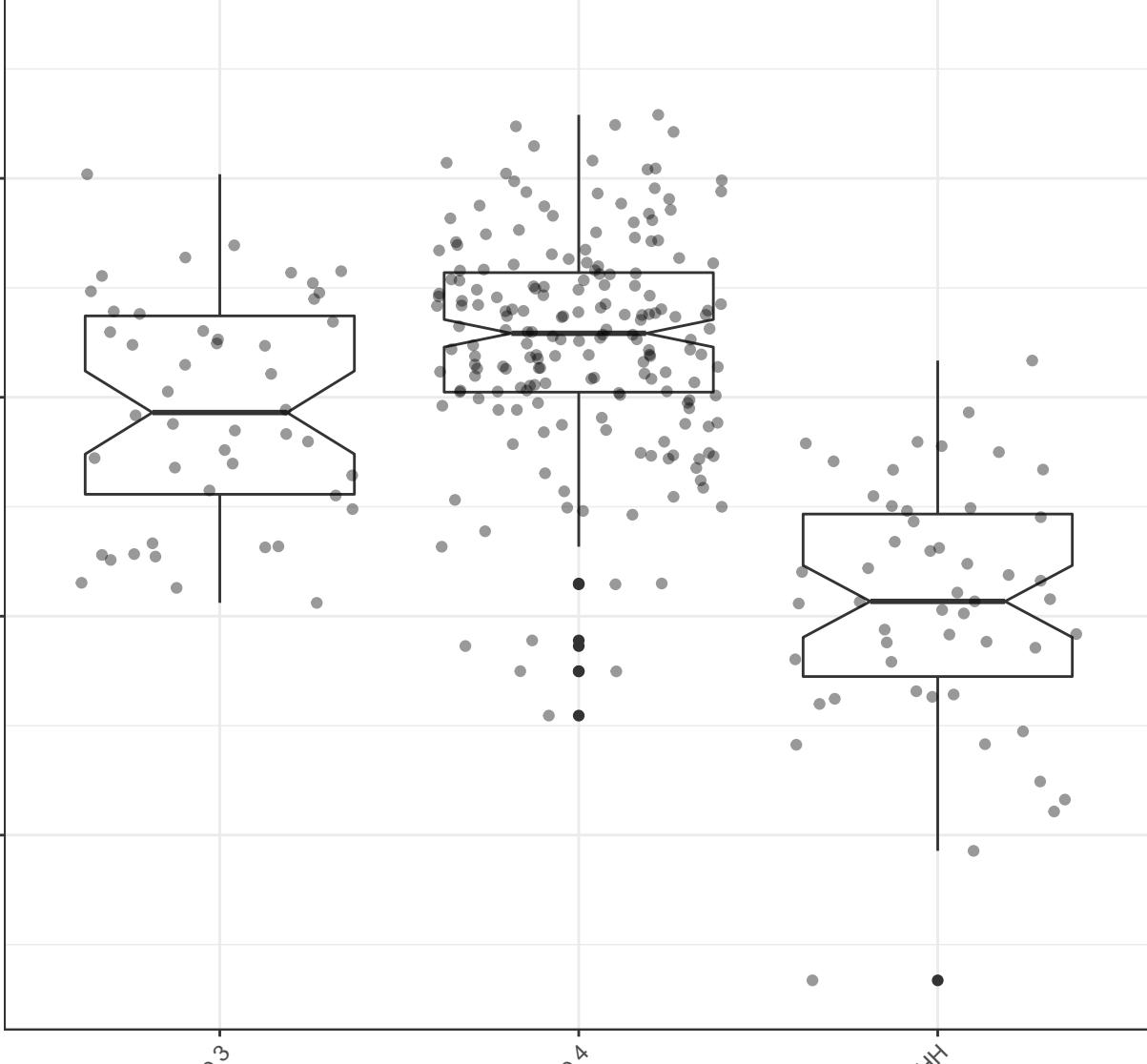
-0.10

Group 3

Group 4

SHH

subgroup



LV 86

Value

0.05

0.00

-0.05

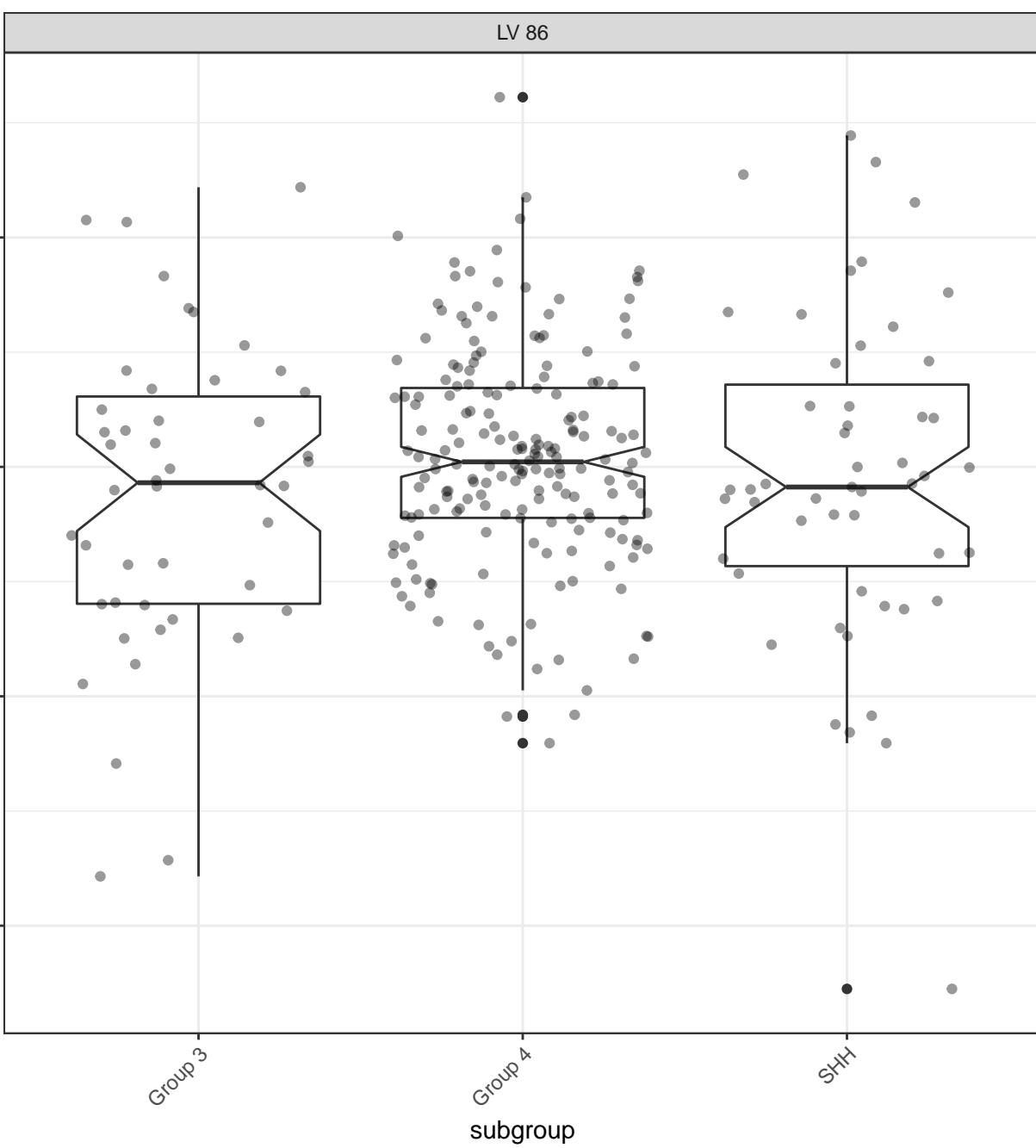
-0.10

Group 3

Group 4

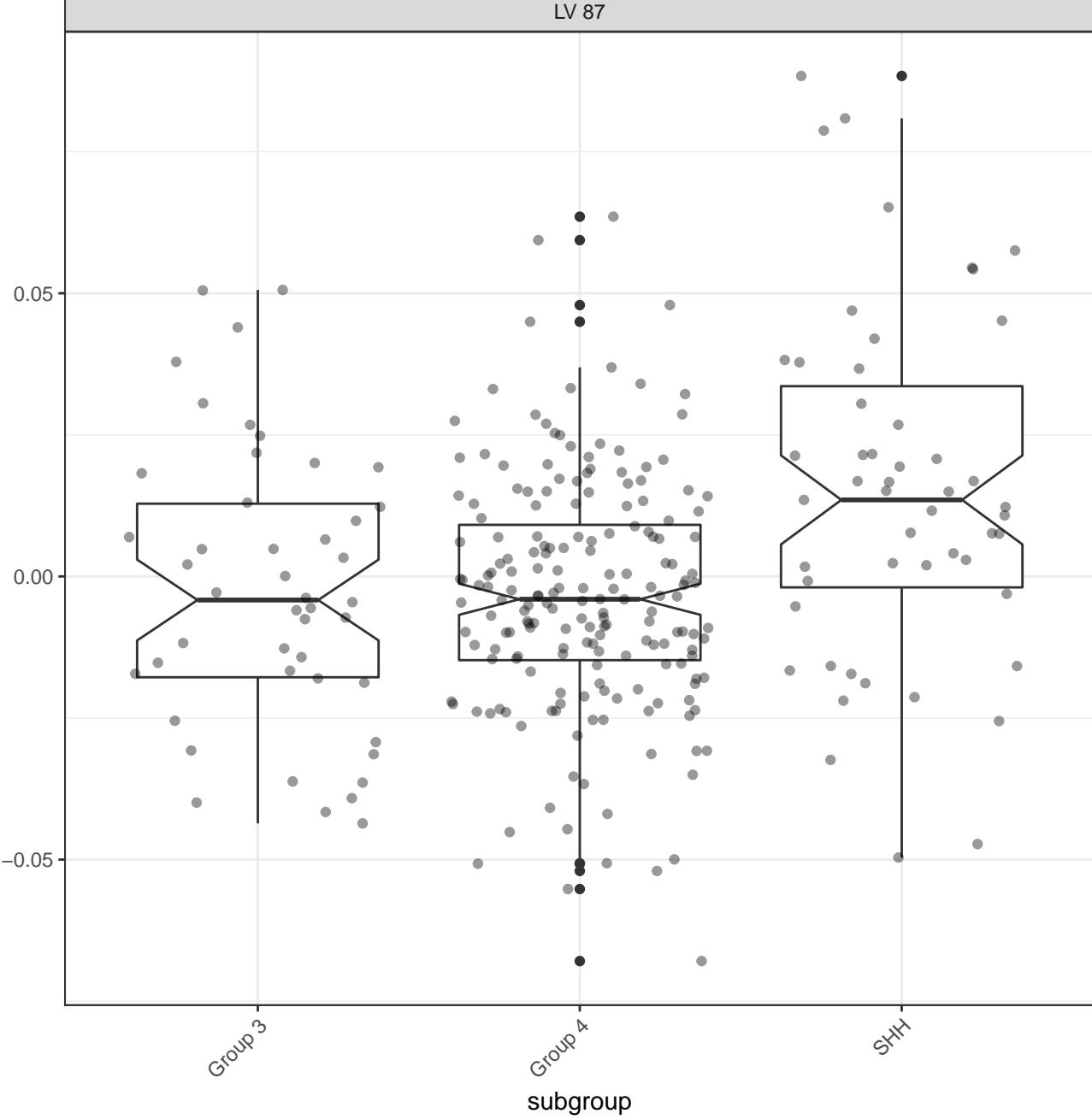
SHH

subgroup

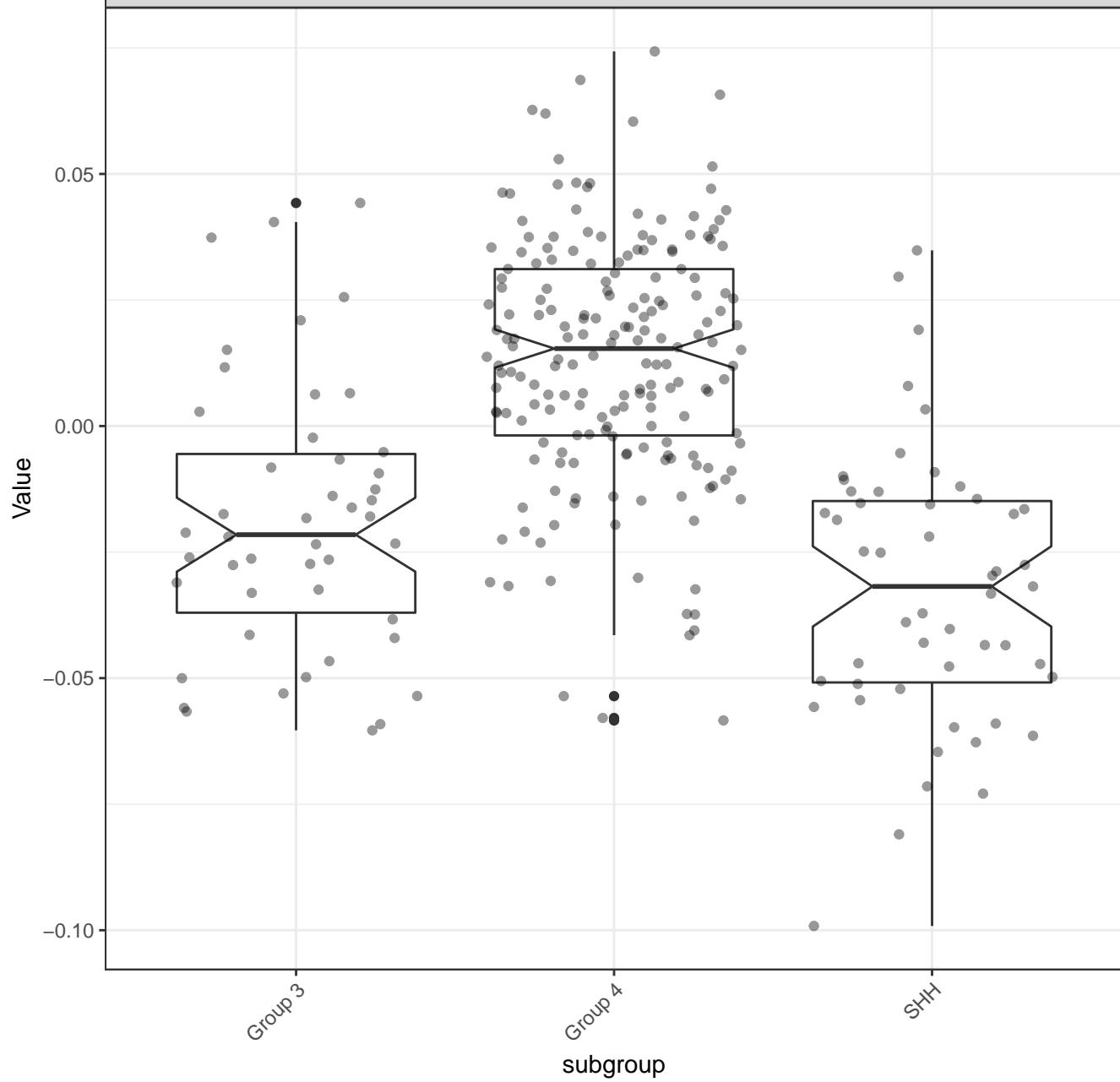


LV 87

Value



LV 88



LV 89

Value

0.05

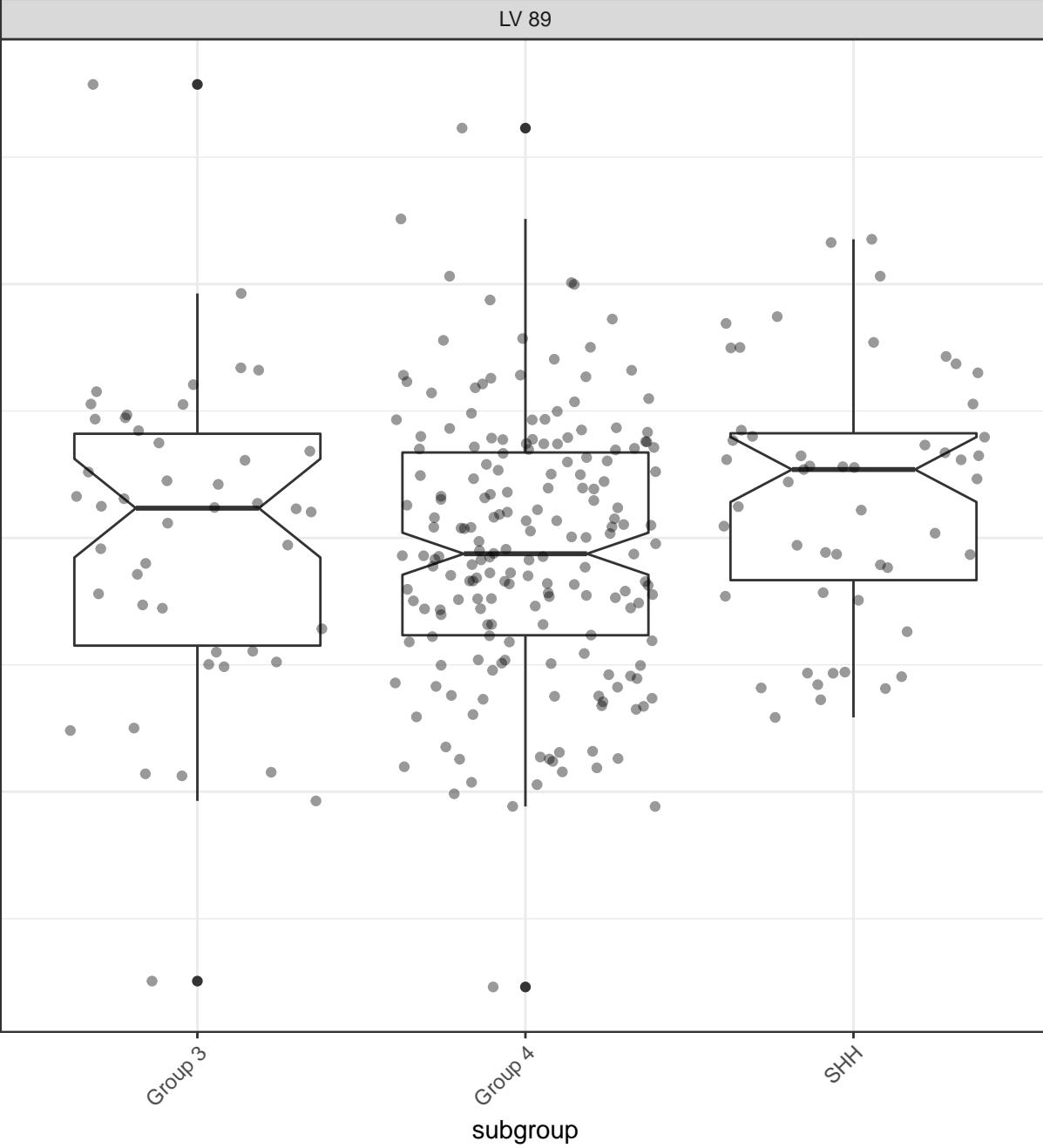
0.00

-0.05

Group 3

subgroup

SHH



LV 90

Value

0.10

0.05

0.00

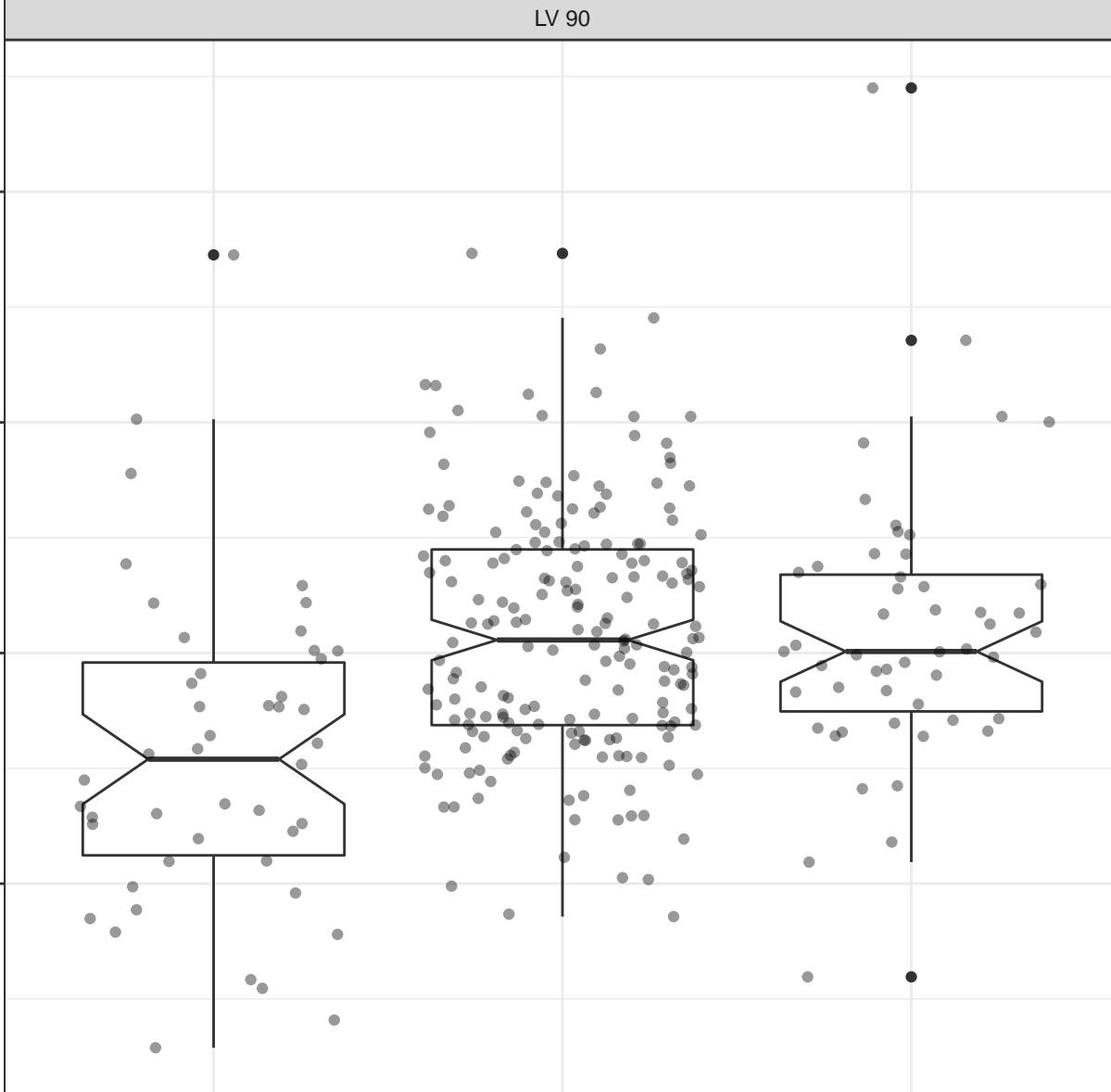
-0.05

Group 3

subgroup

Group 4

SHH



91,KEGG_LYSOSOME

Value

0.1

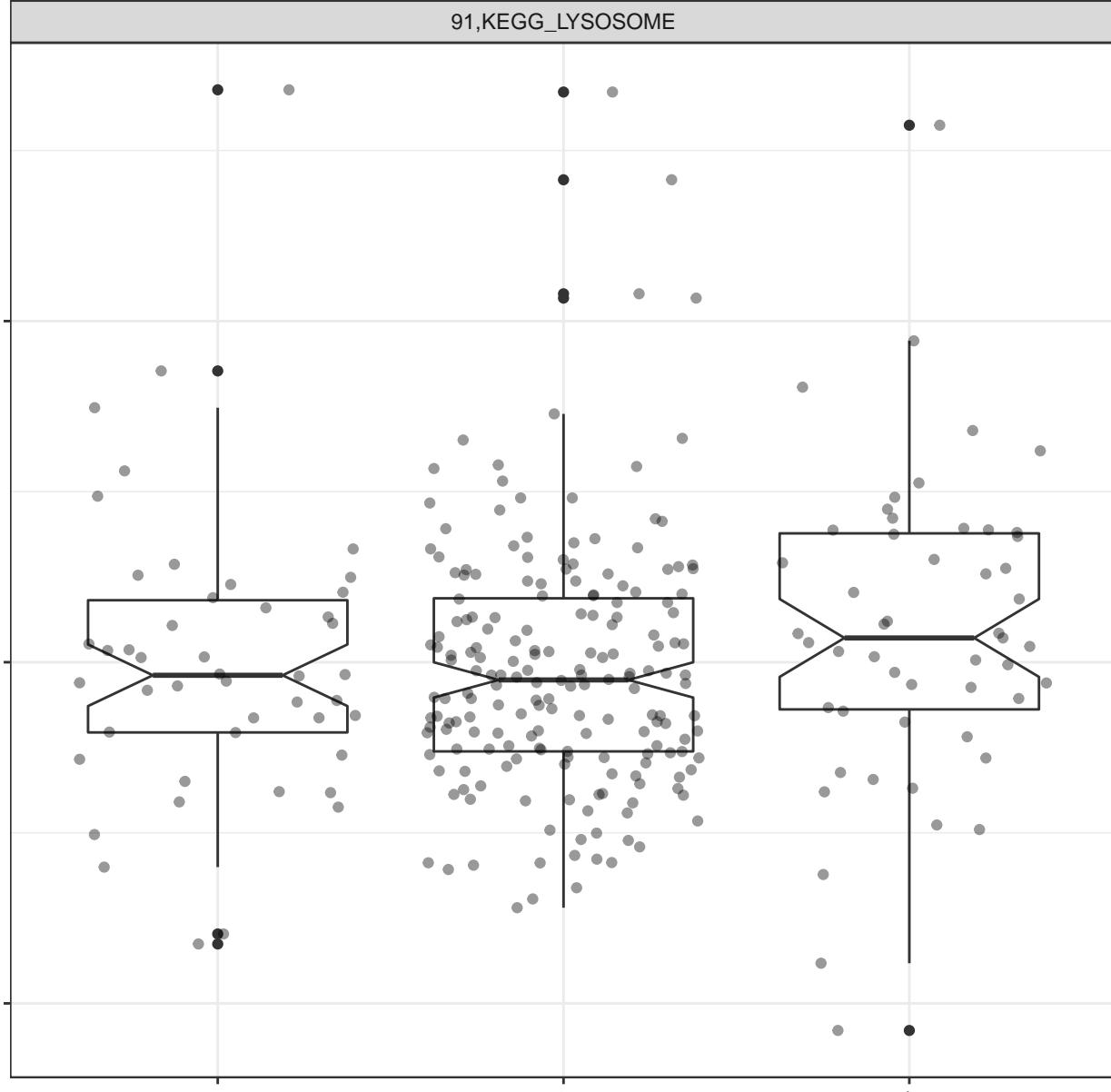
0.0

-0.1

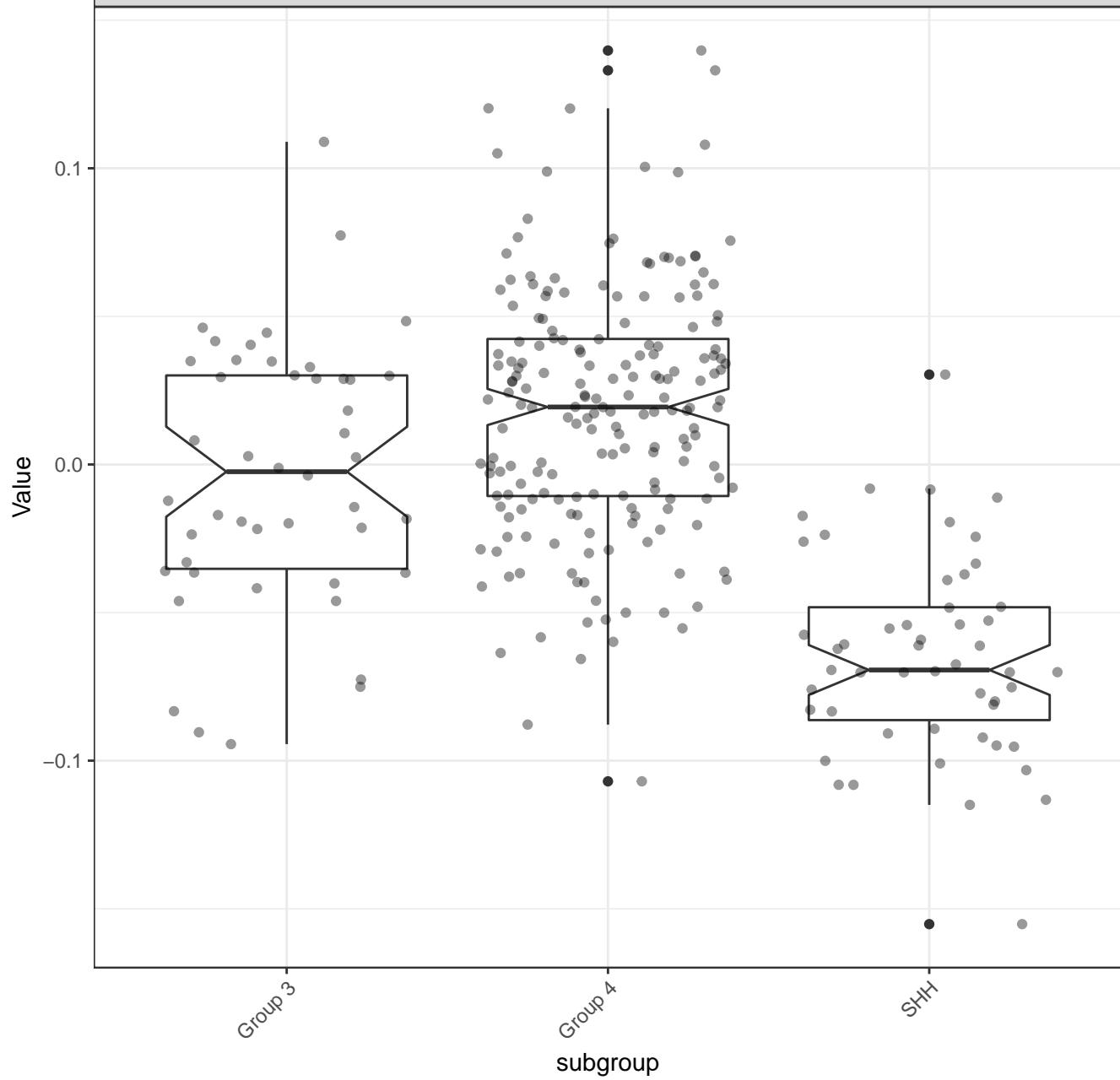
Group³Group⁴

SHH

subgroup



92,REACTOME_CHROMOSOME_MAINTENANCE



LV 93

Value

0.05

0.00

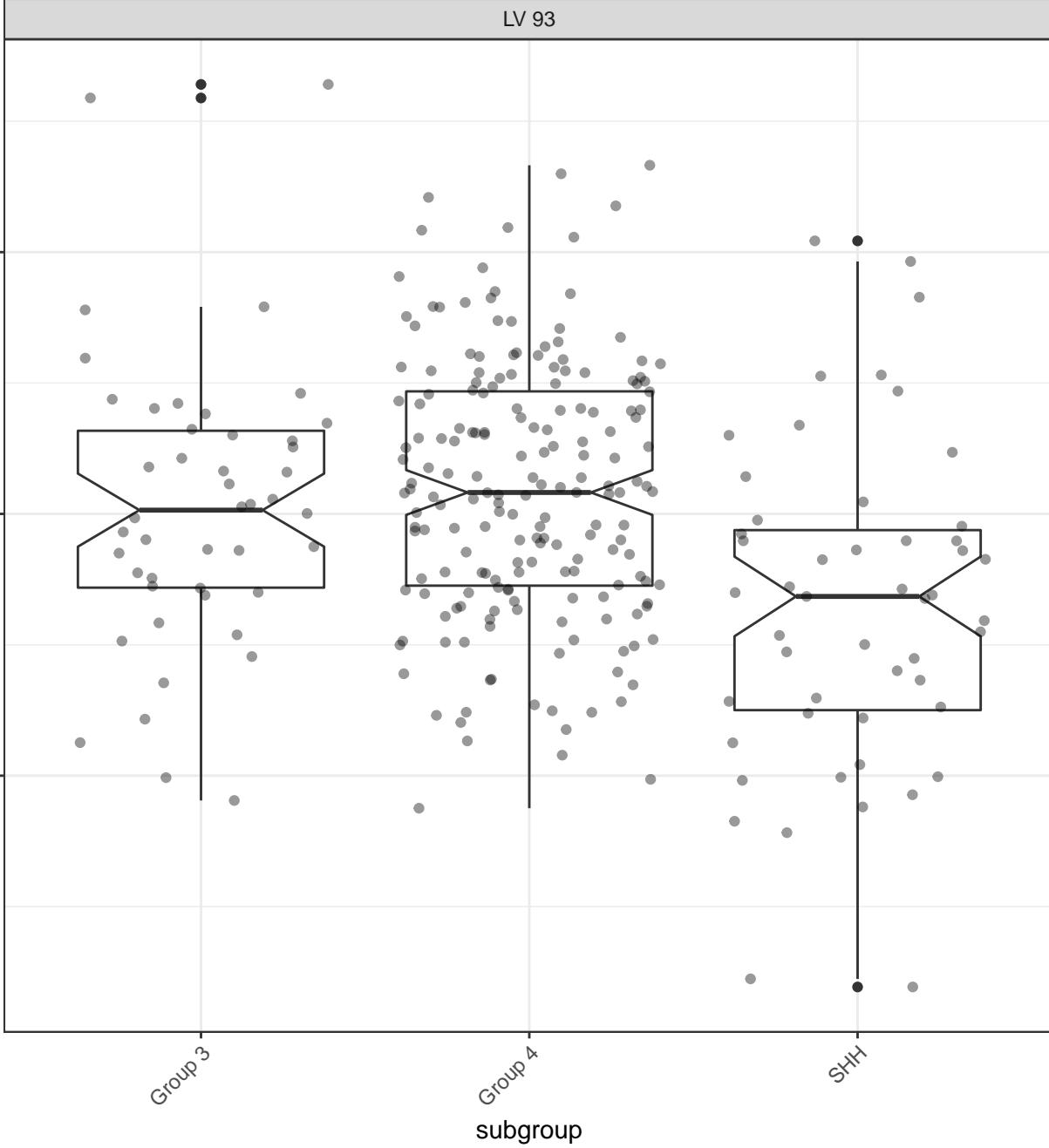
-0.05

Group 3

Group 4

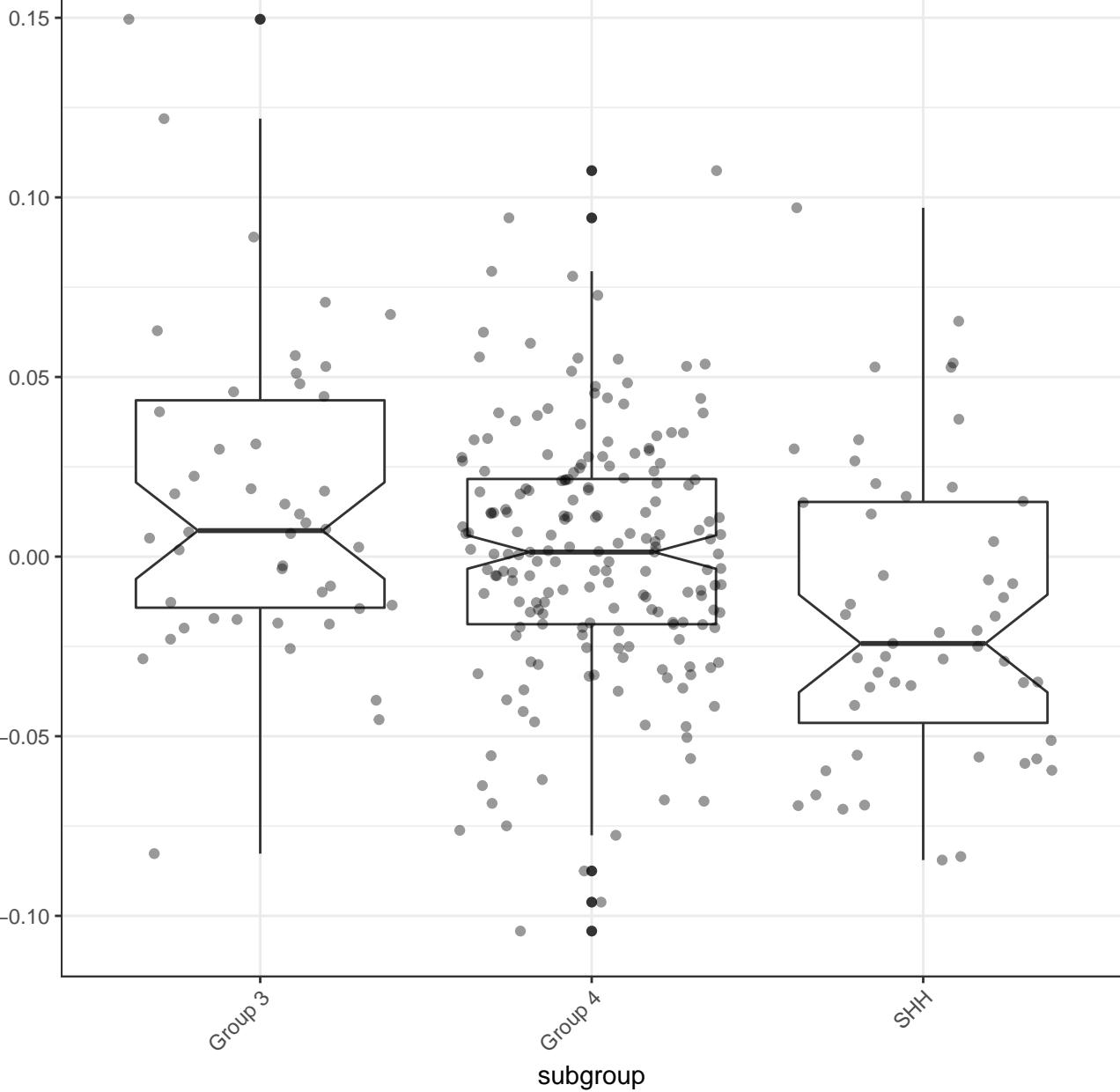
SHH

subgroup



LV 94

Value



LV 95

Value

0.10

0.05

0.00

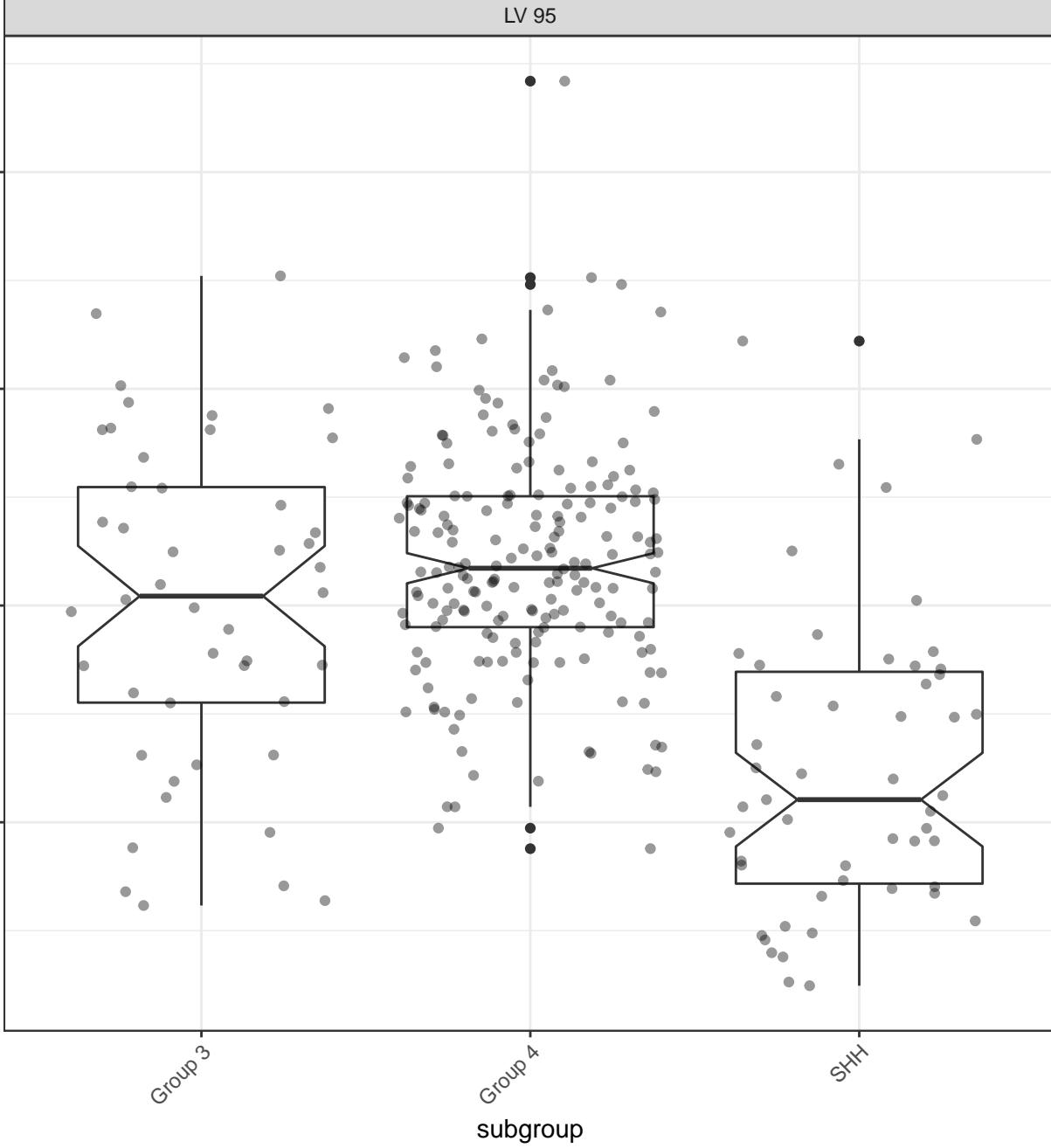
-0.05

Group 3

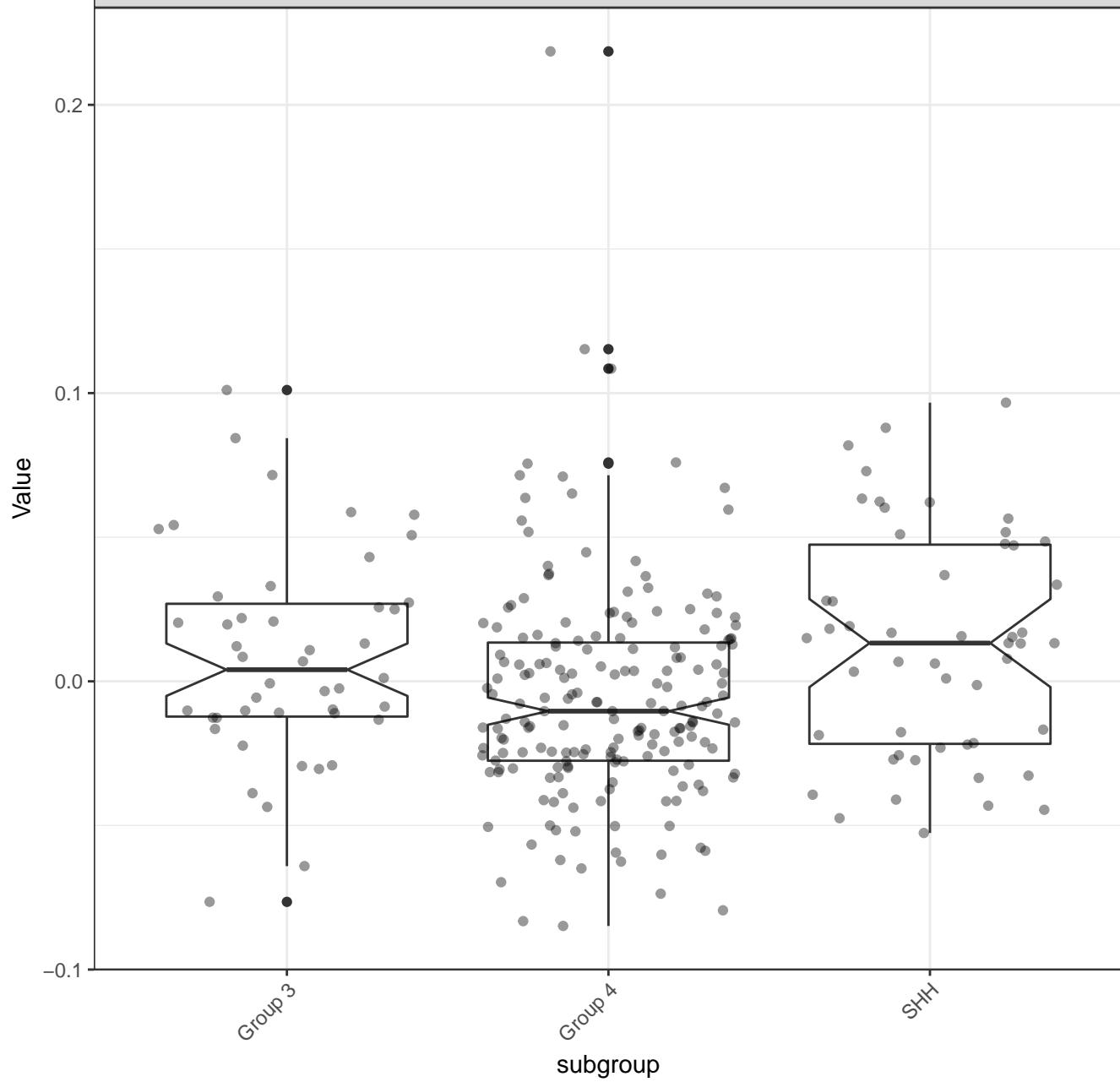
Group 4

SHH

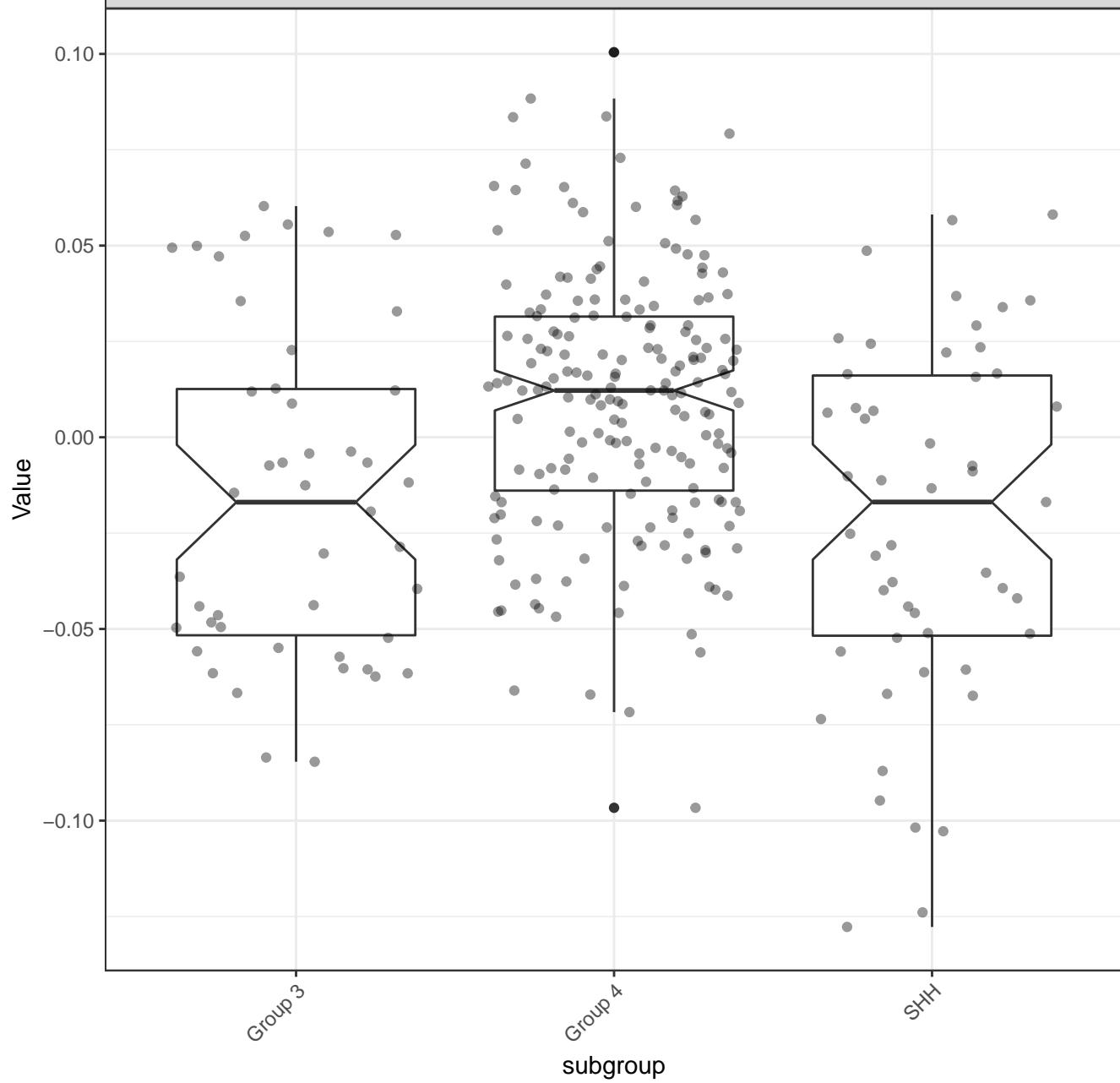
subgroup



96,SVM NK cells activated



97,KEGG_ARACHIDONIC_ACID_METABOLISM



LV 98

Value

0.05

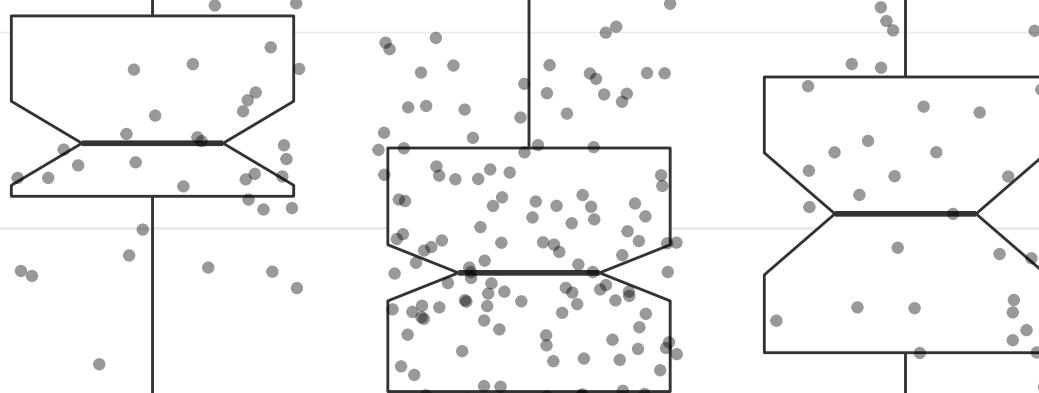
0.00

-0.05

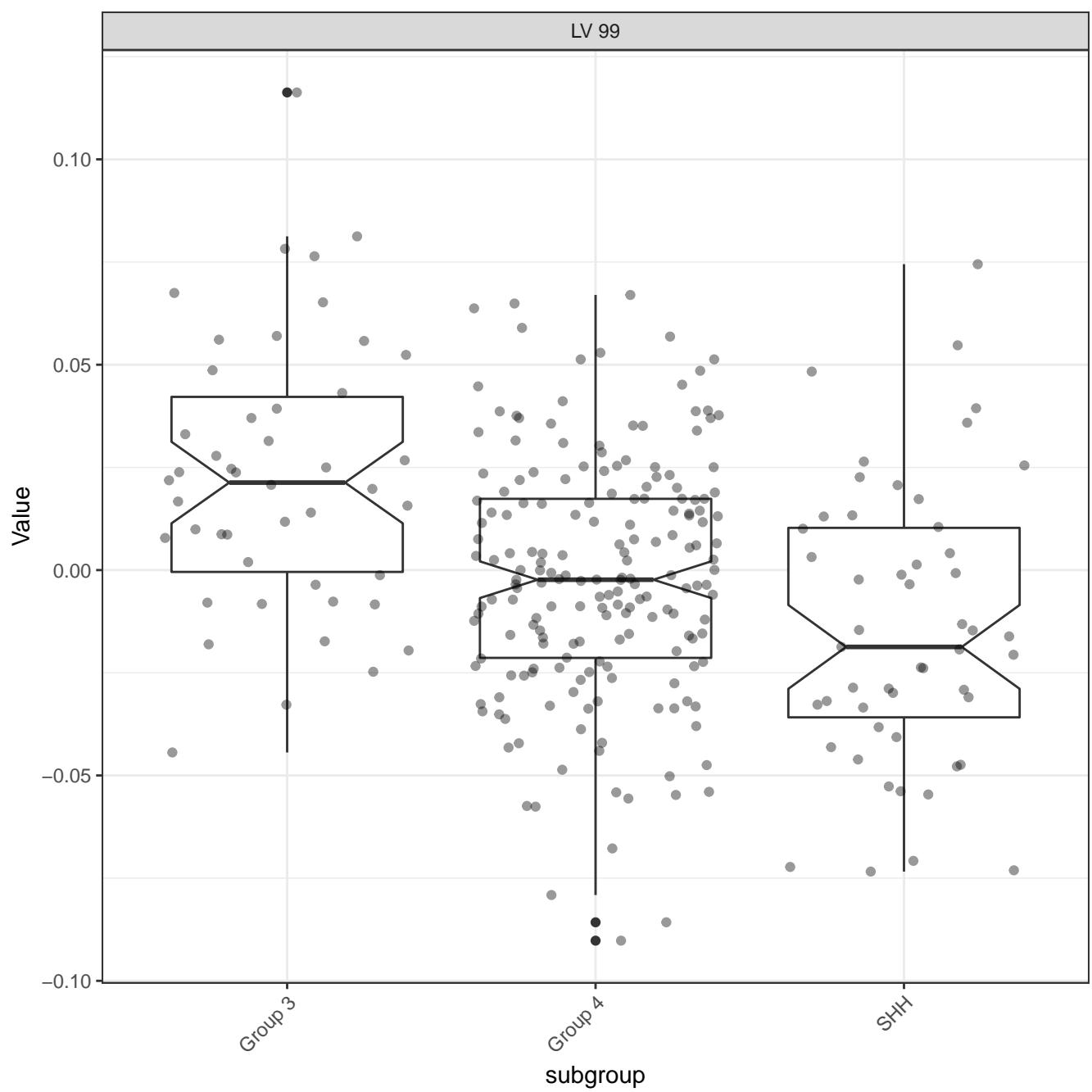
Group 3

subgroup

SHH



LV 99



LV 100

Value

0.10

0.05

0.00

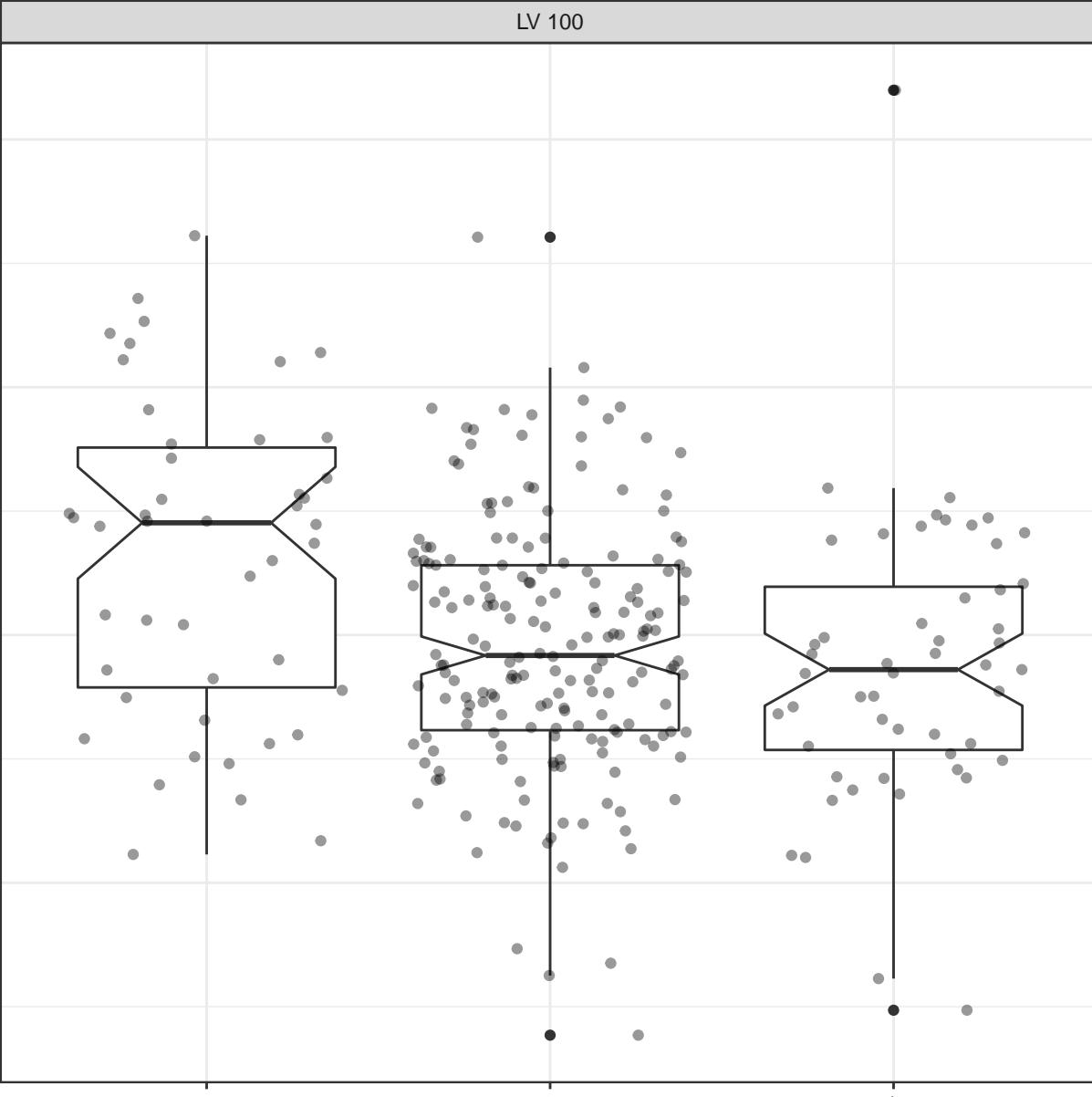
-0.05

Group 3

subgroup

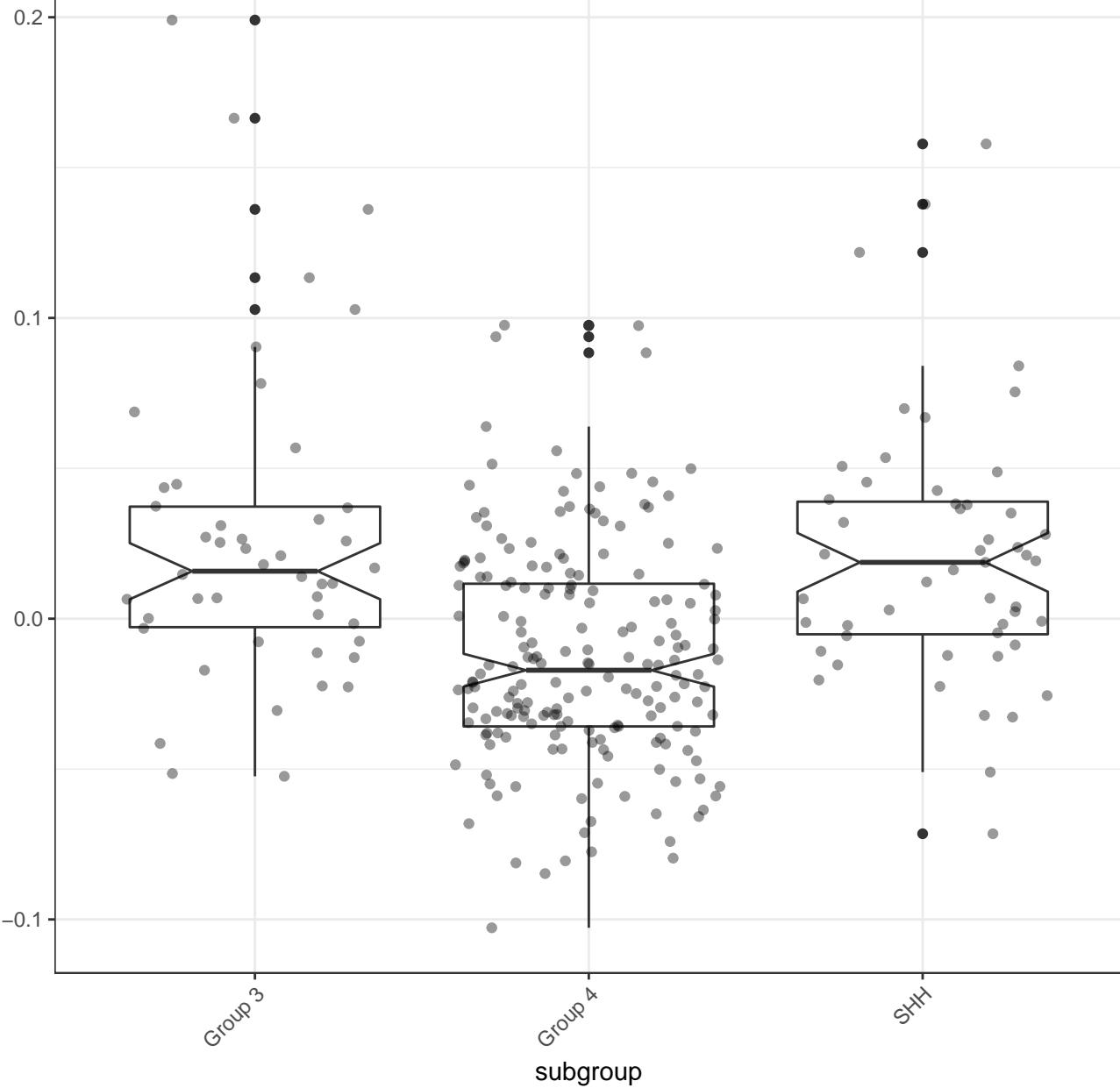
Group 4

SHH



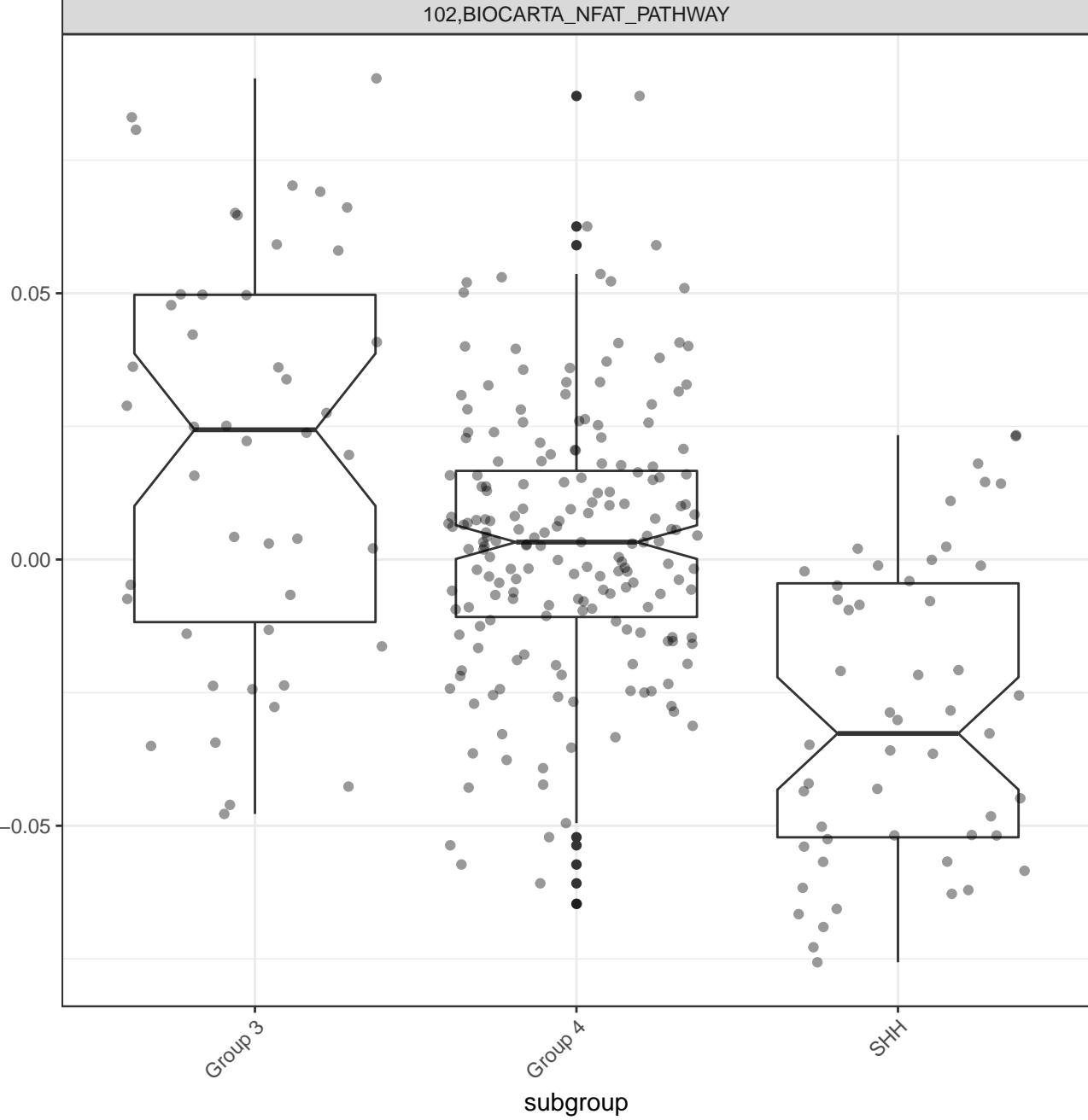
101,DMAP_NKA3

Value

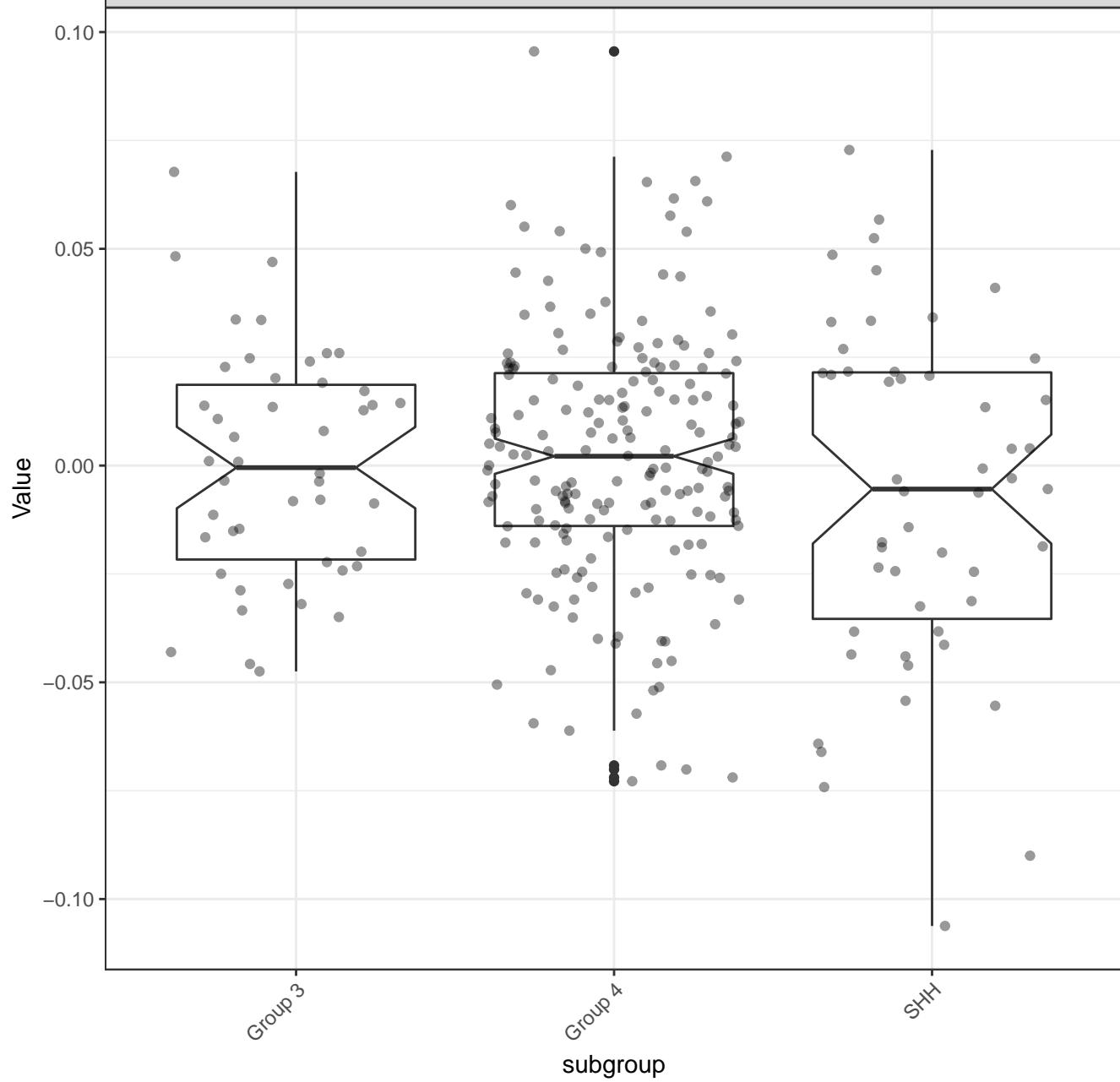


102,BIOCARTA_NFAT_PATHWAY

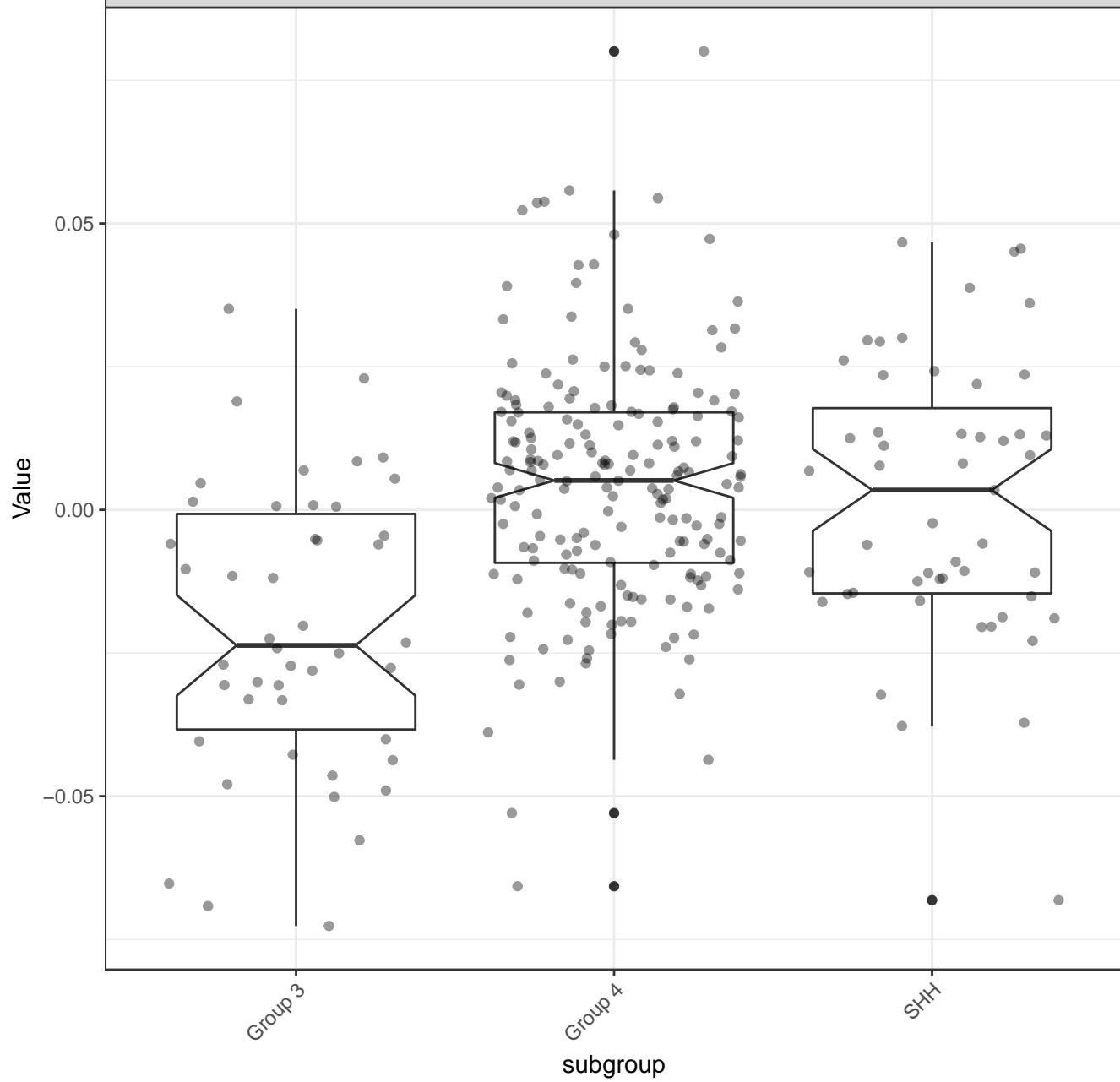
Value



LV 103



LV 104



LV 105

Value

0.05

0.00

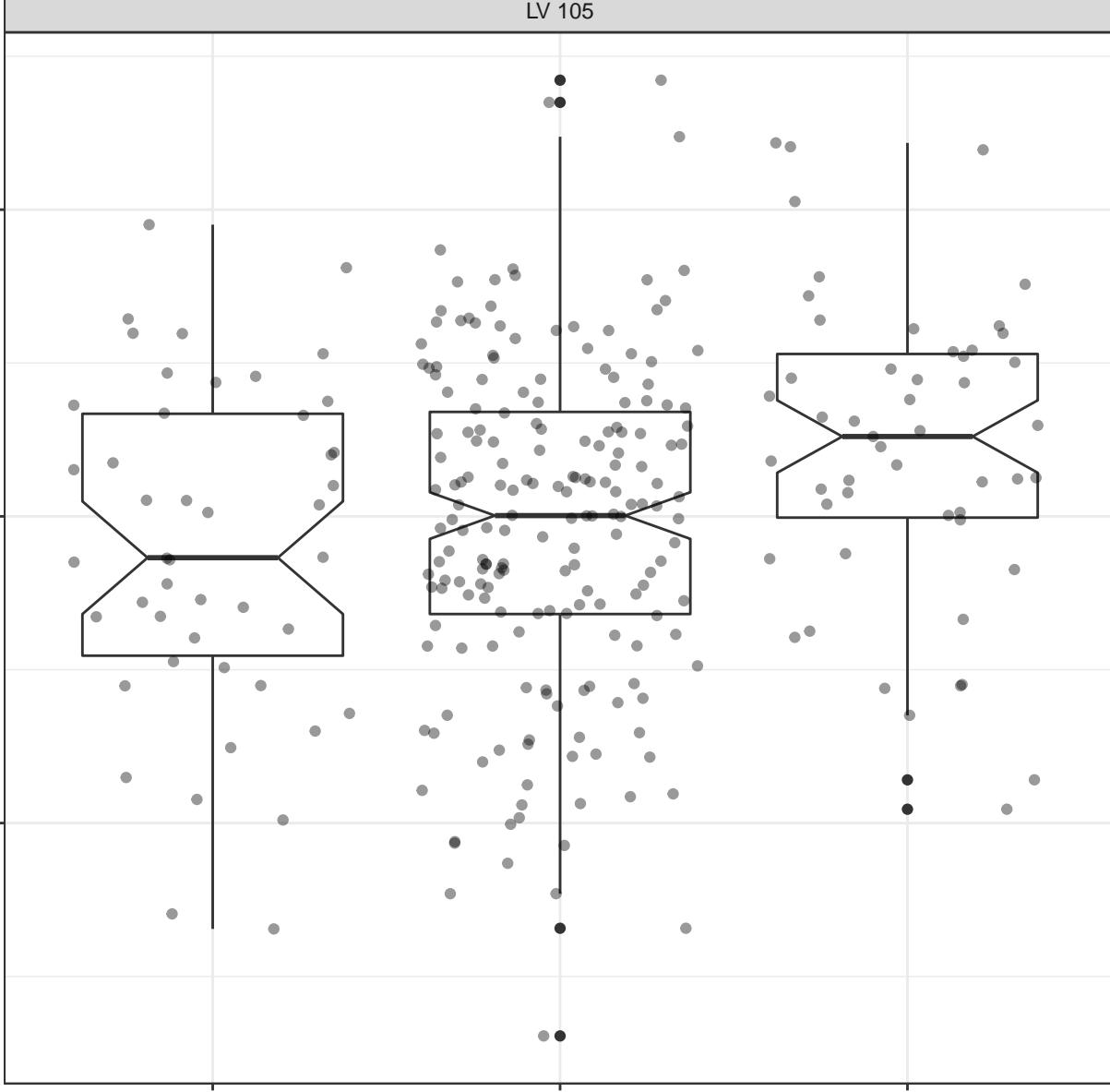
-0.05

Group 3

Group 4

SHH

subgroup



LV 106

Value

0.10

0.05

0.00

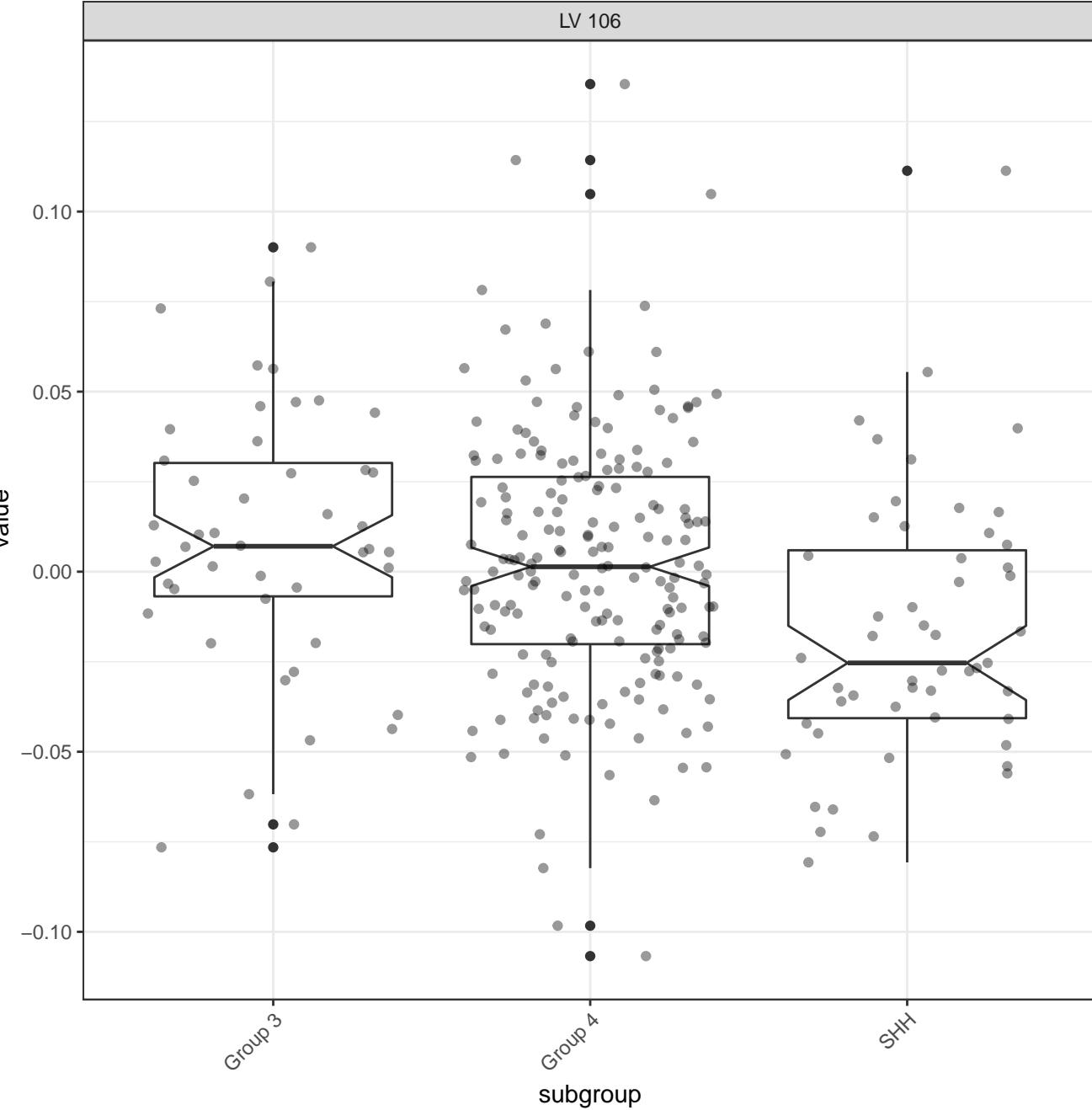
-0.05

-0.10

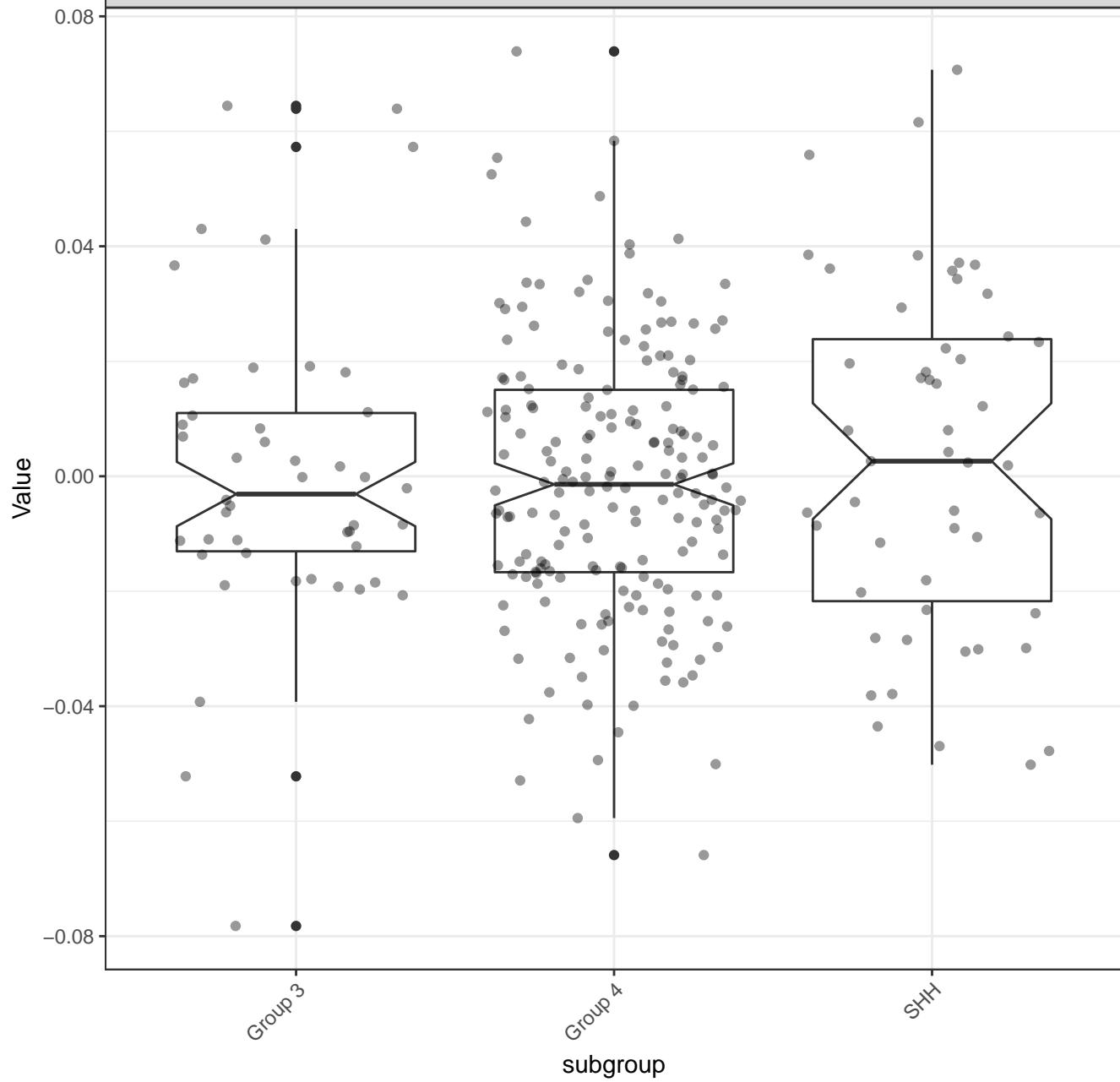
Group 3

subgroup

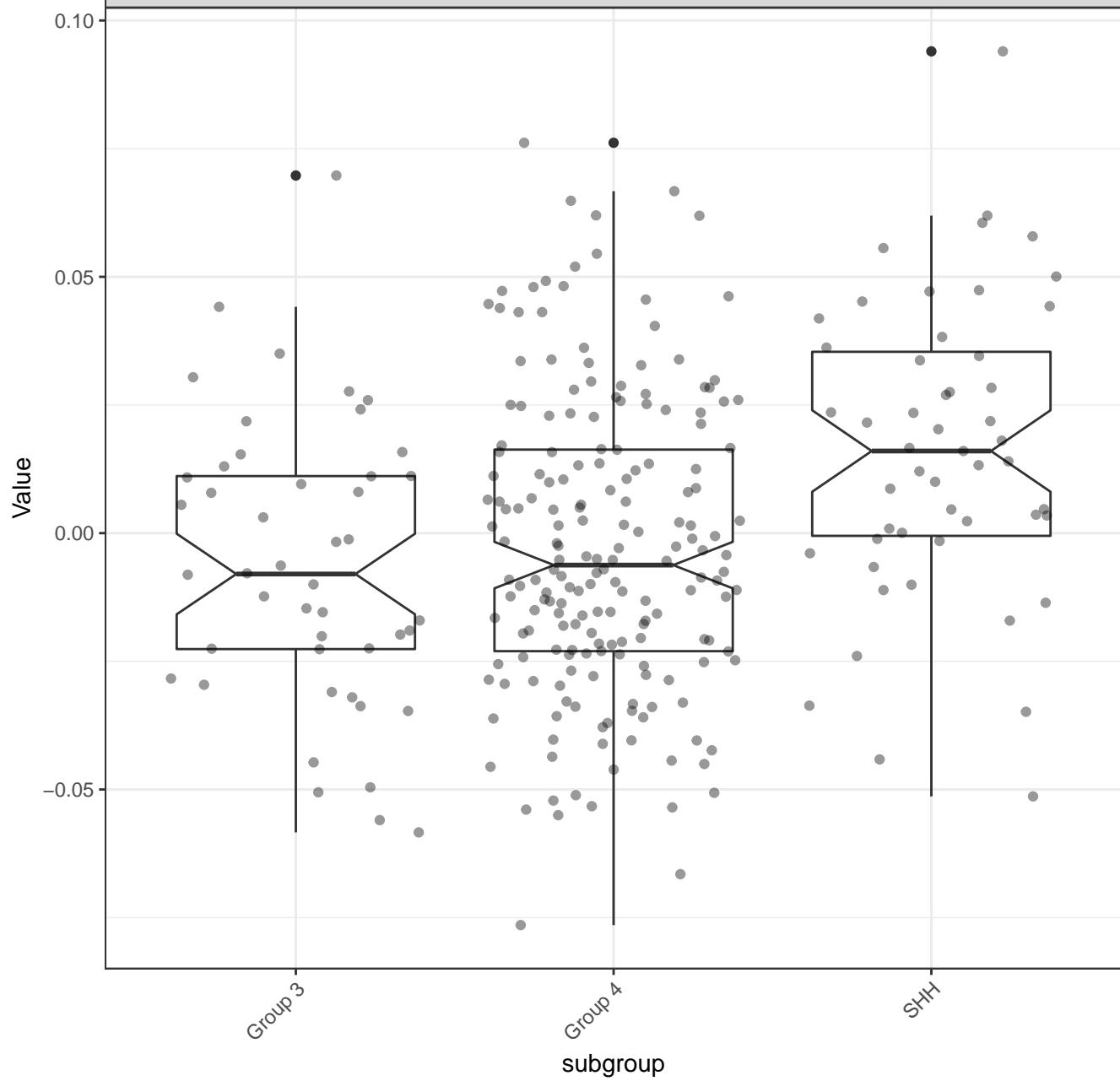
SHH



LV 107



LV 108



Value

0.05

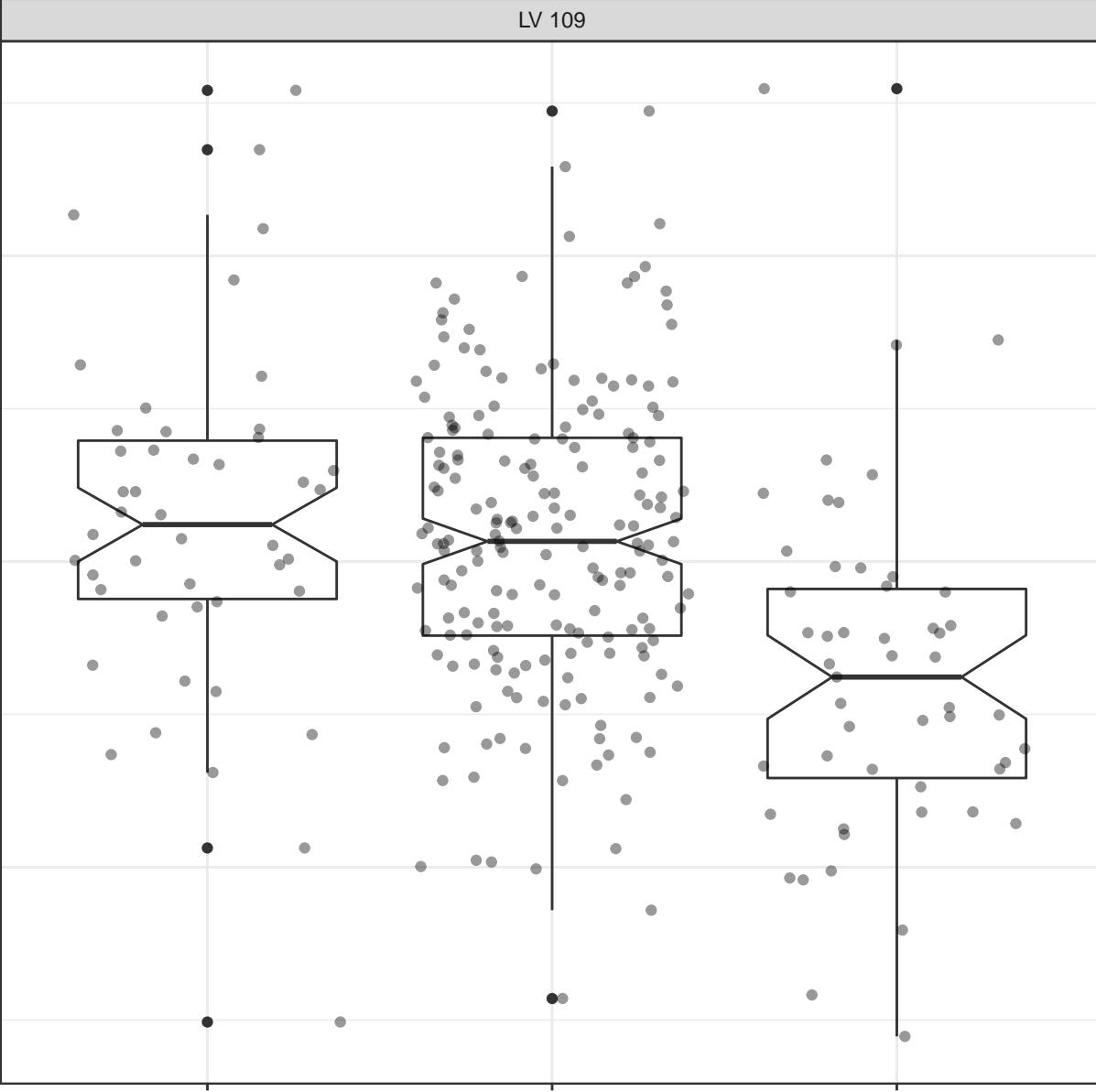
0.00

-0.05

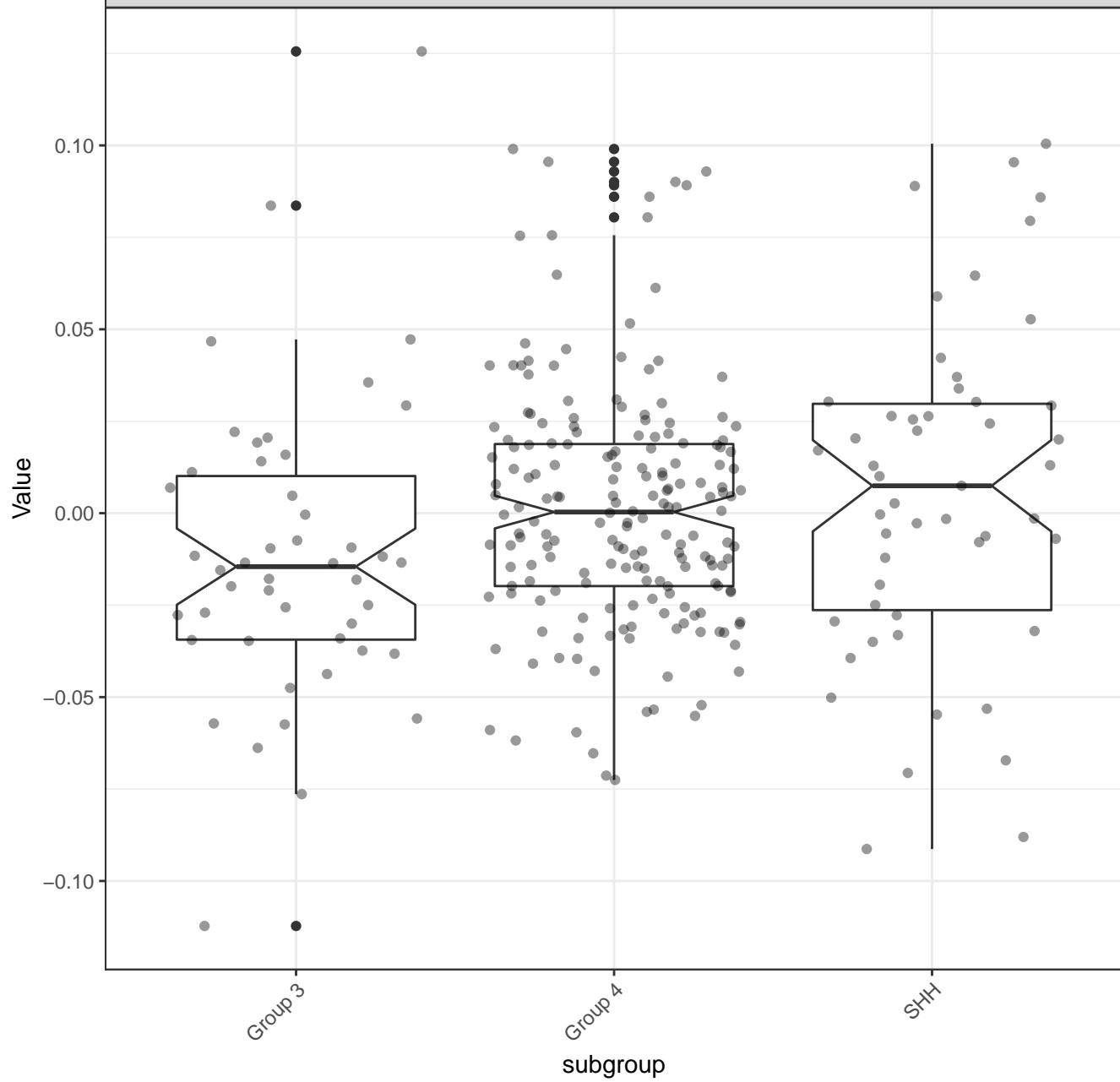
Group 3

subgroup

SHH



110,REACTOME_MEIOSIS



LV 111

Value

0.2

0.1

0.0

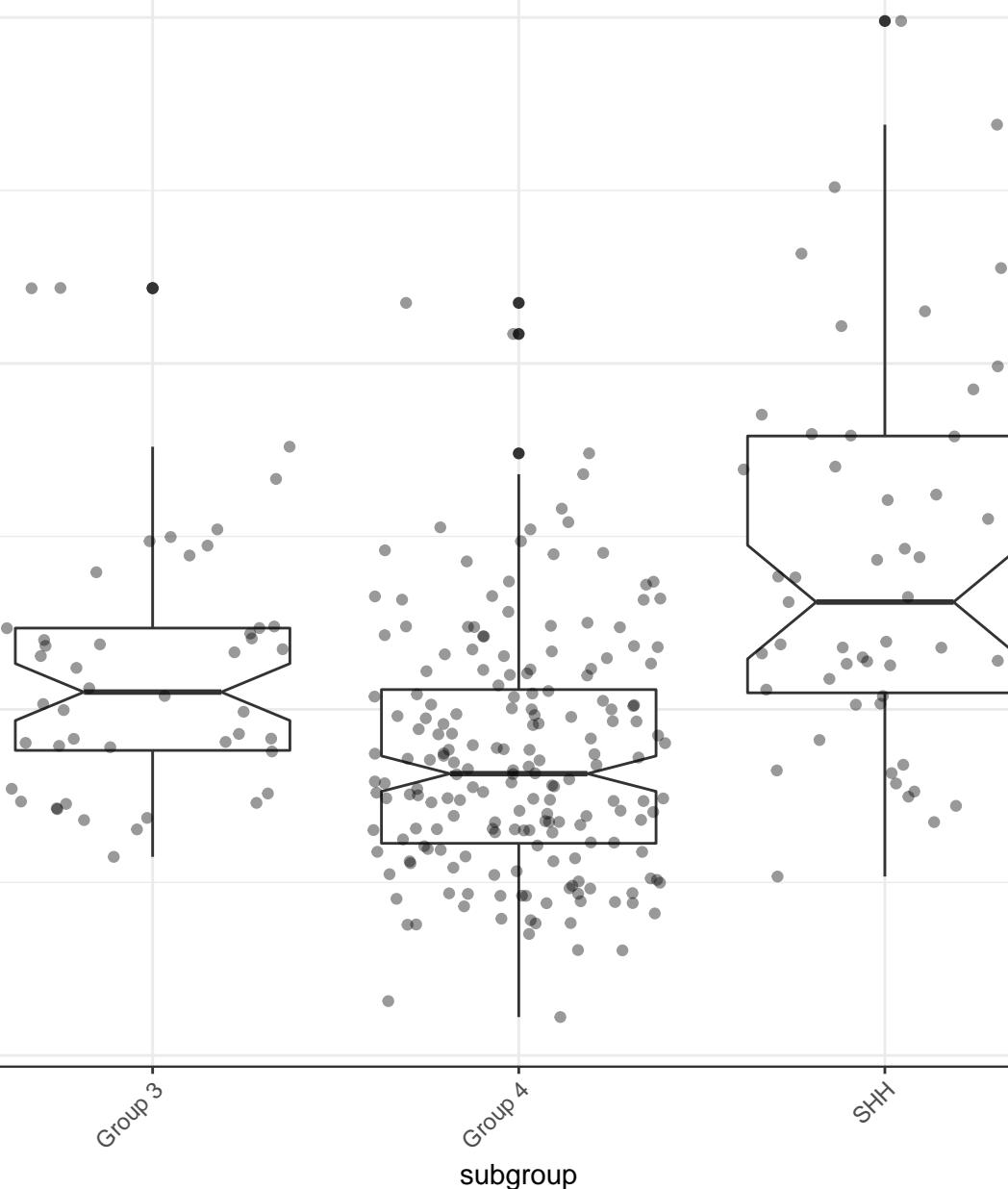
-0.1

Group 3

Group 4

SHH

subgroup



LV 112

Value

0.05

0.00

-0.05

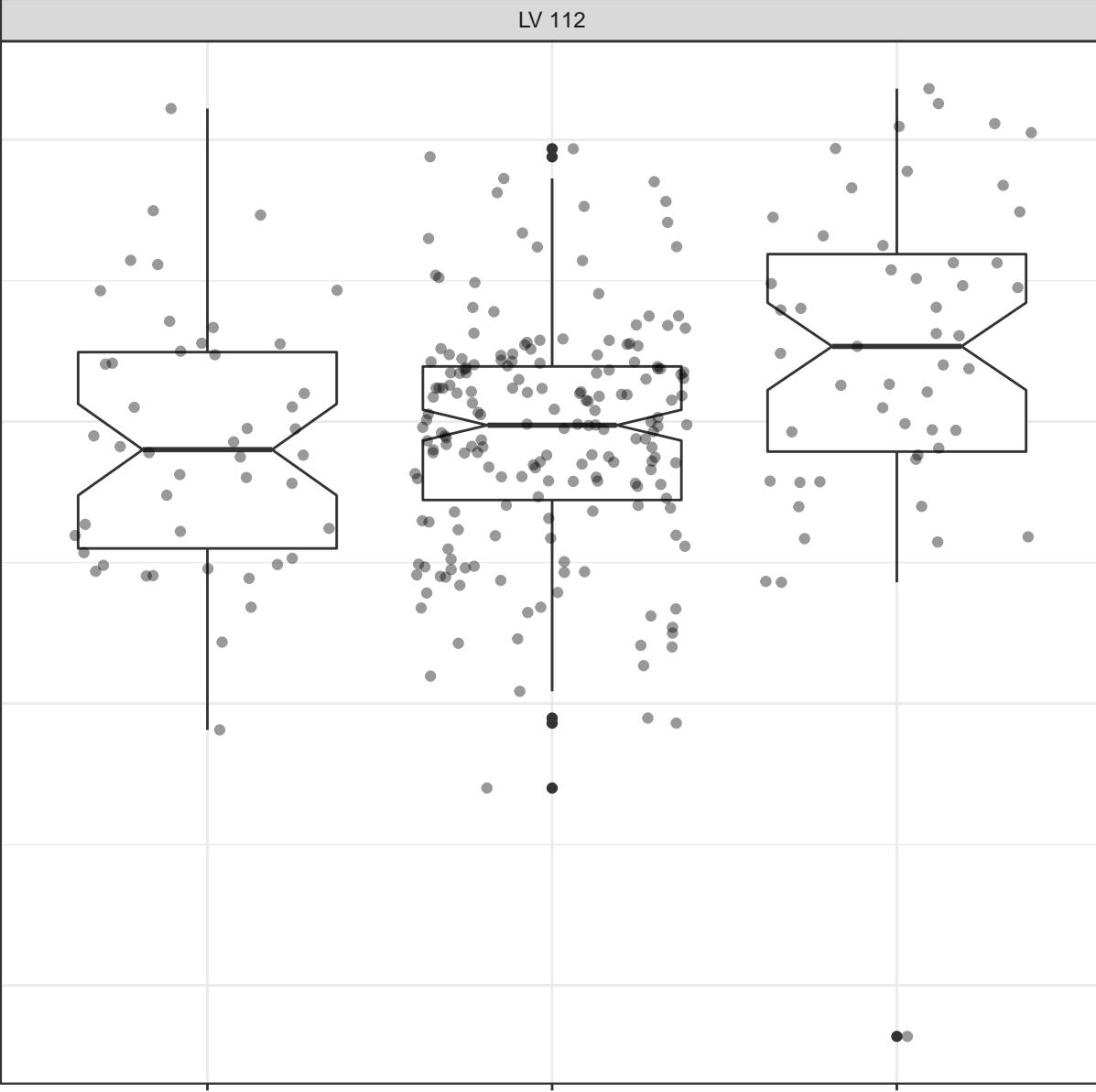
-0.10

Group 3

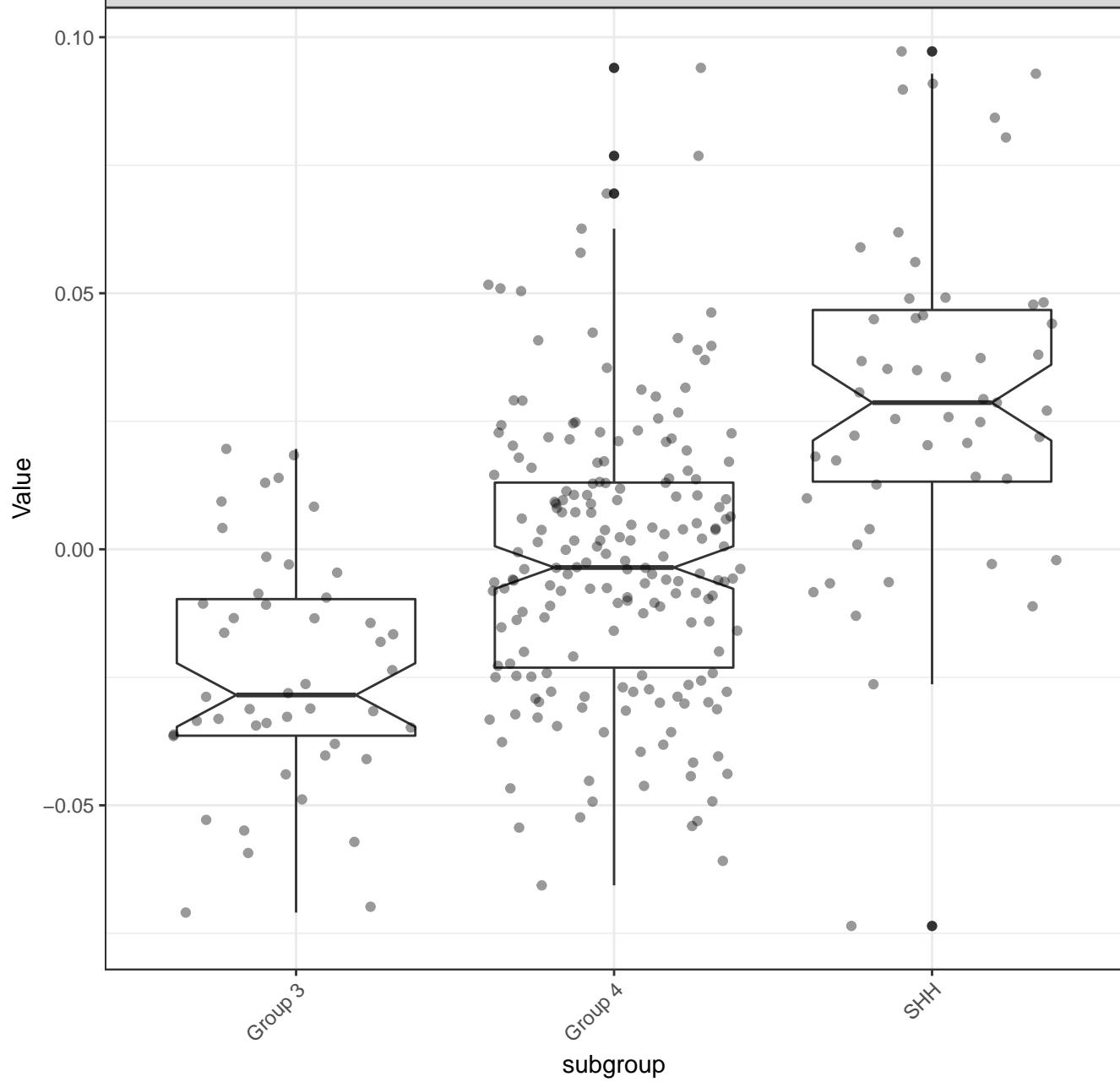
Group 4

SHH

subgroup



LV 113



LV 114

Vvalue

0.10

0.05

0.00

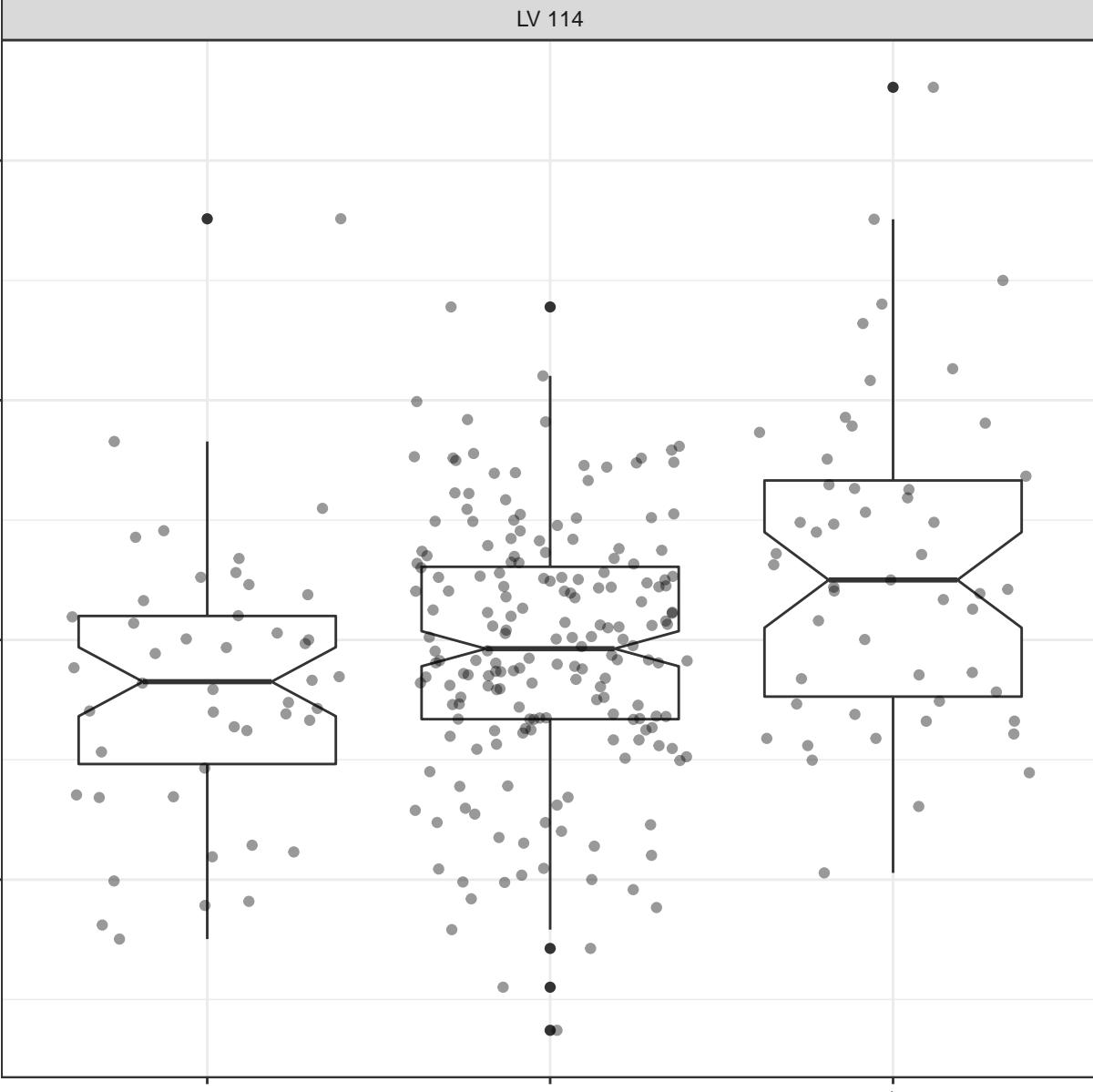
-0.05

Group 3

subgroup

Group 4

SHH



LV 115

Value

0.10

0.05

0.00

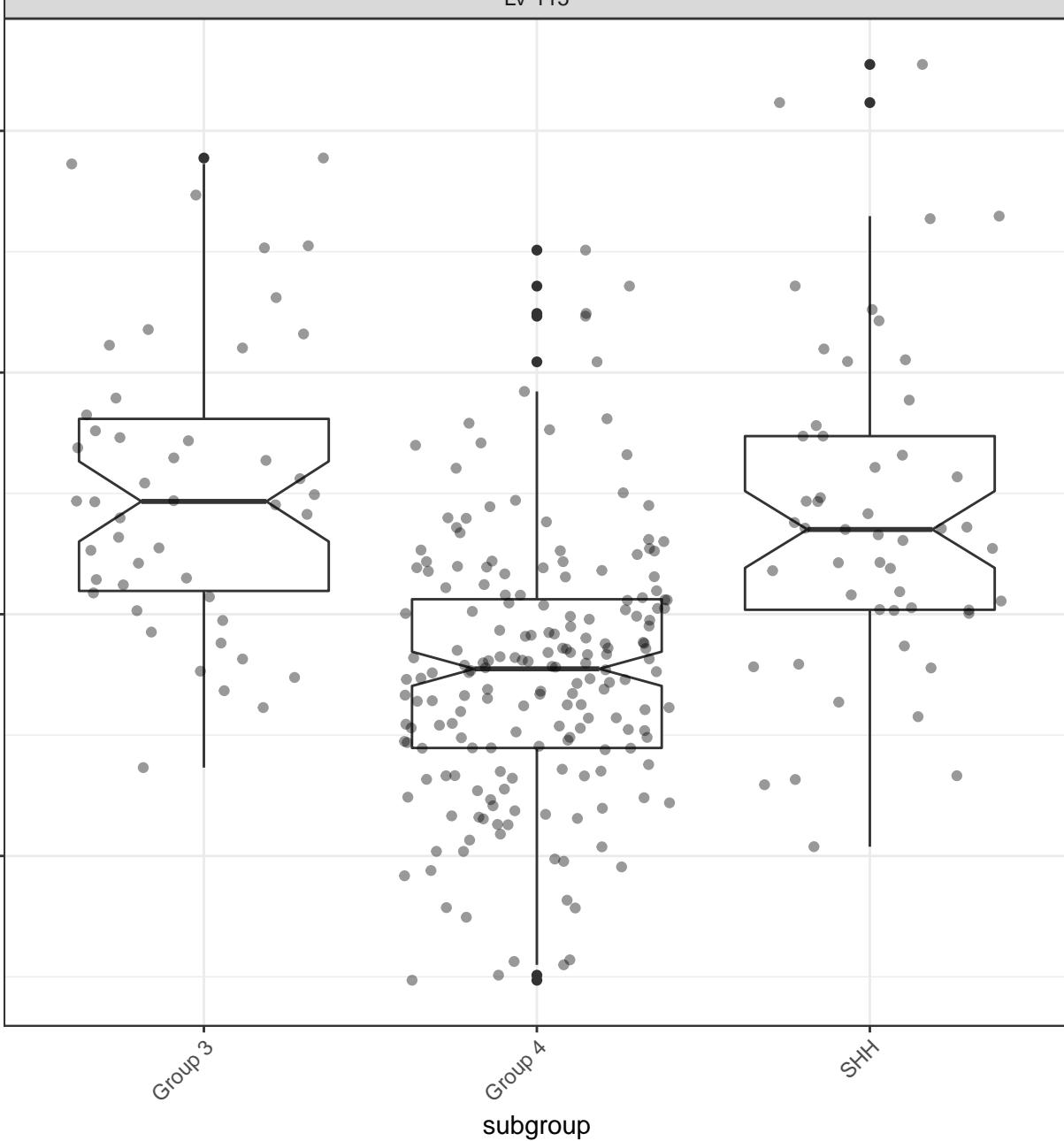
-0.05

Group 3

Group 4

SHH

subgroup



116,REACTOME_INTERFERON_ALPHA_BETA_SIGNALING

Value

0.4

0.2

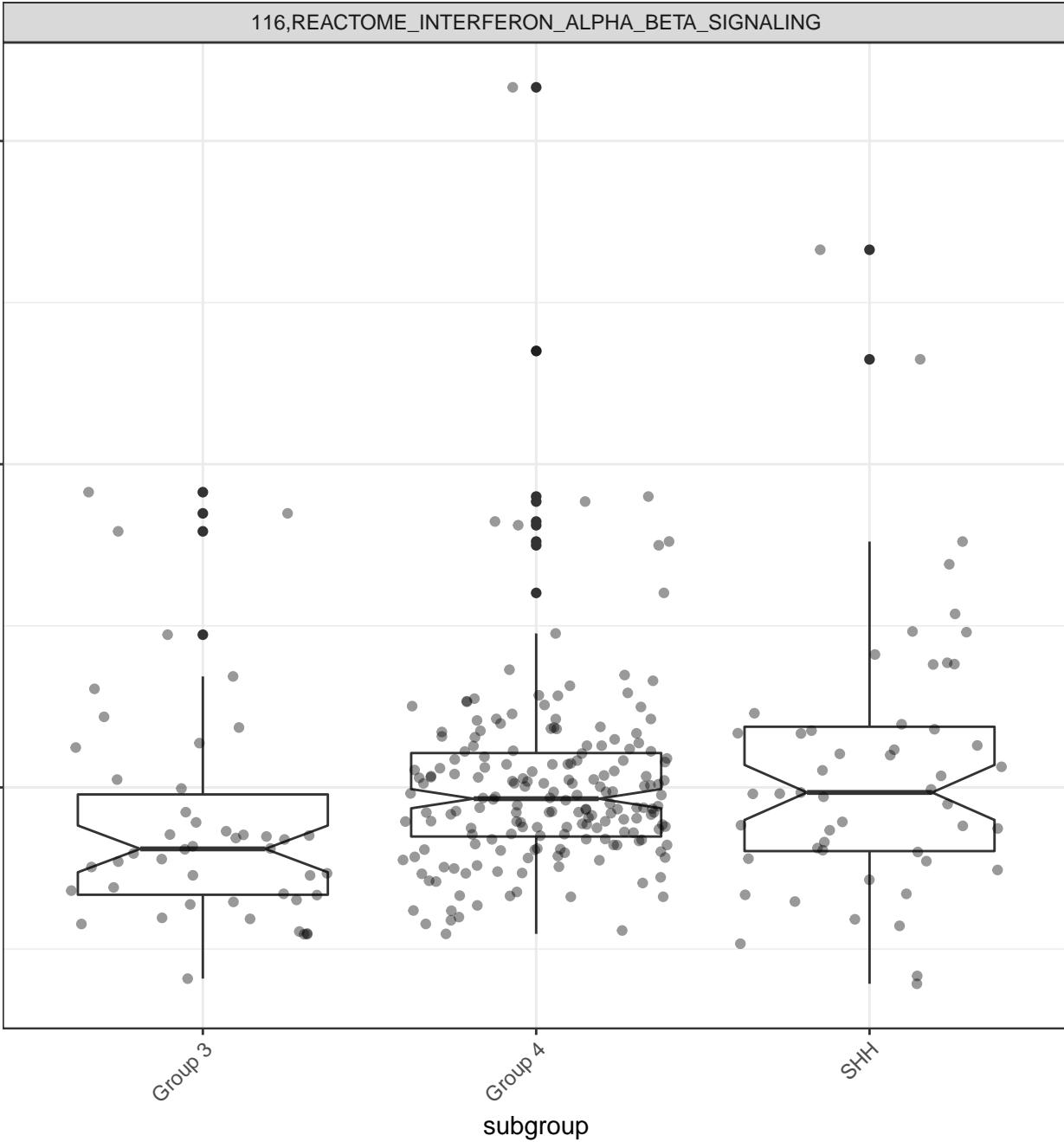
0.0

Group 3

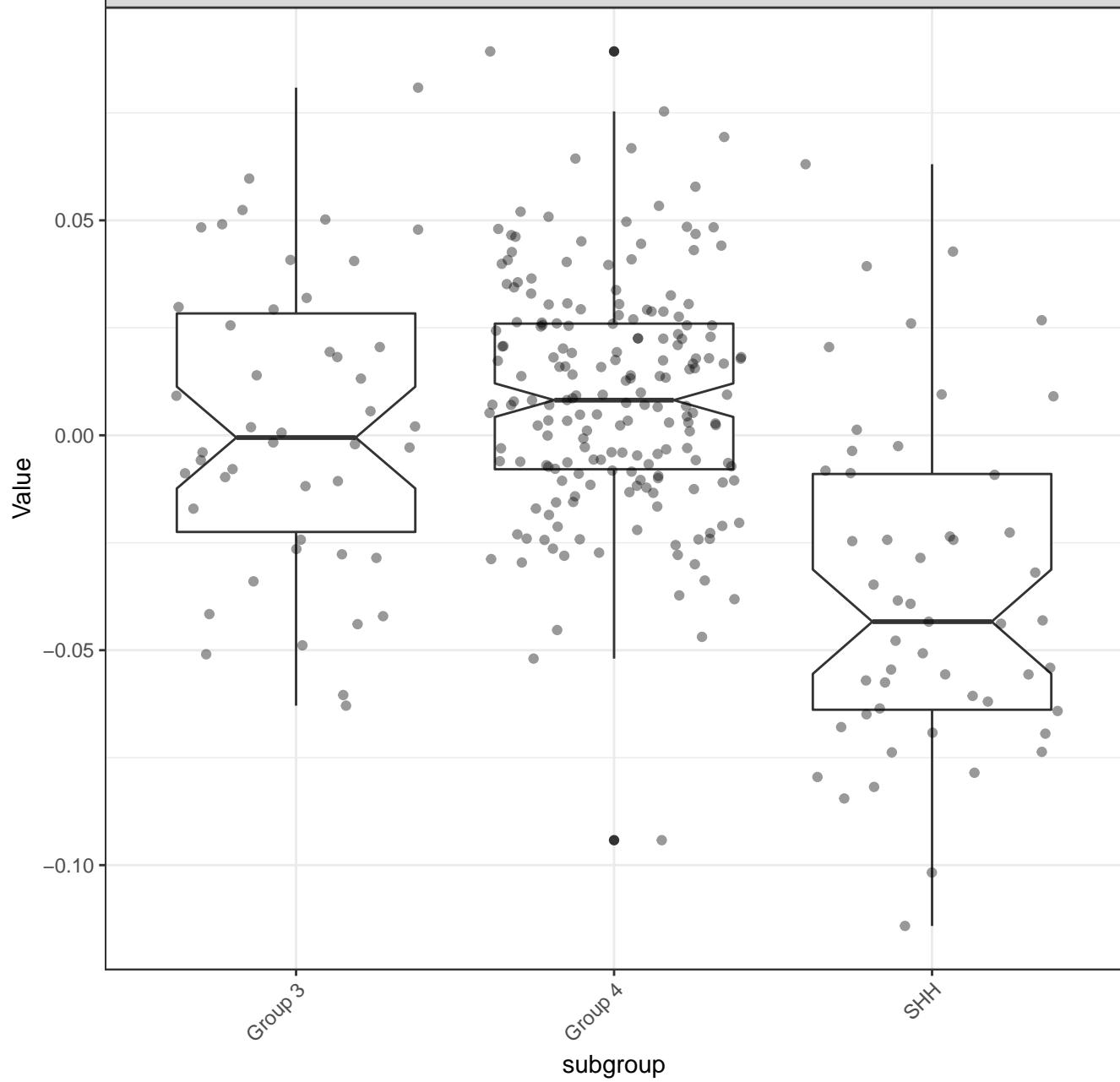
Group 4

SHH

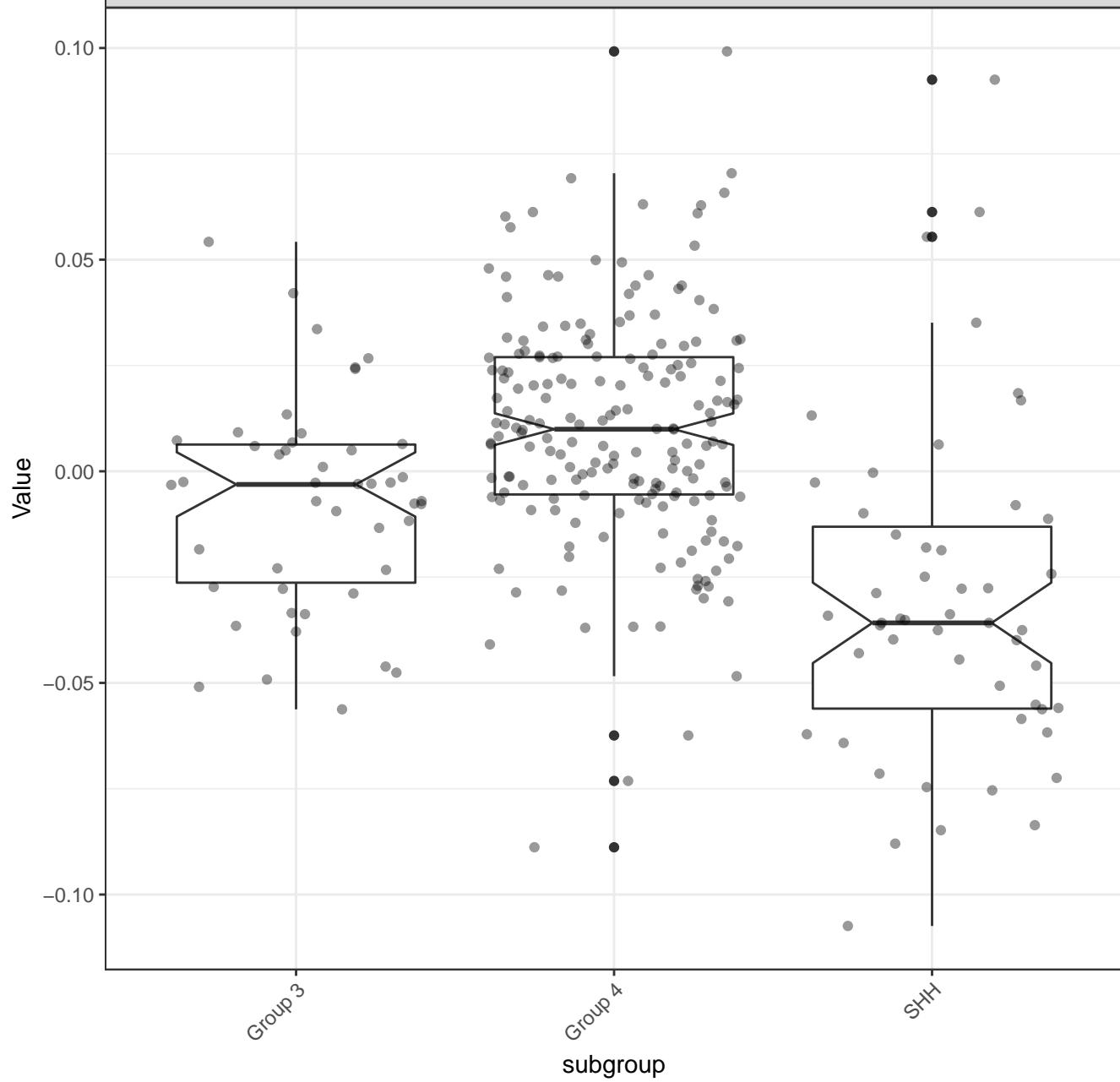
subgroup



LV 117



LV 118



LV 119

Value

0.10

0.05

0.00

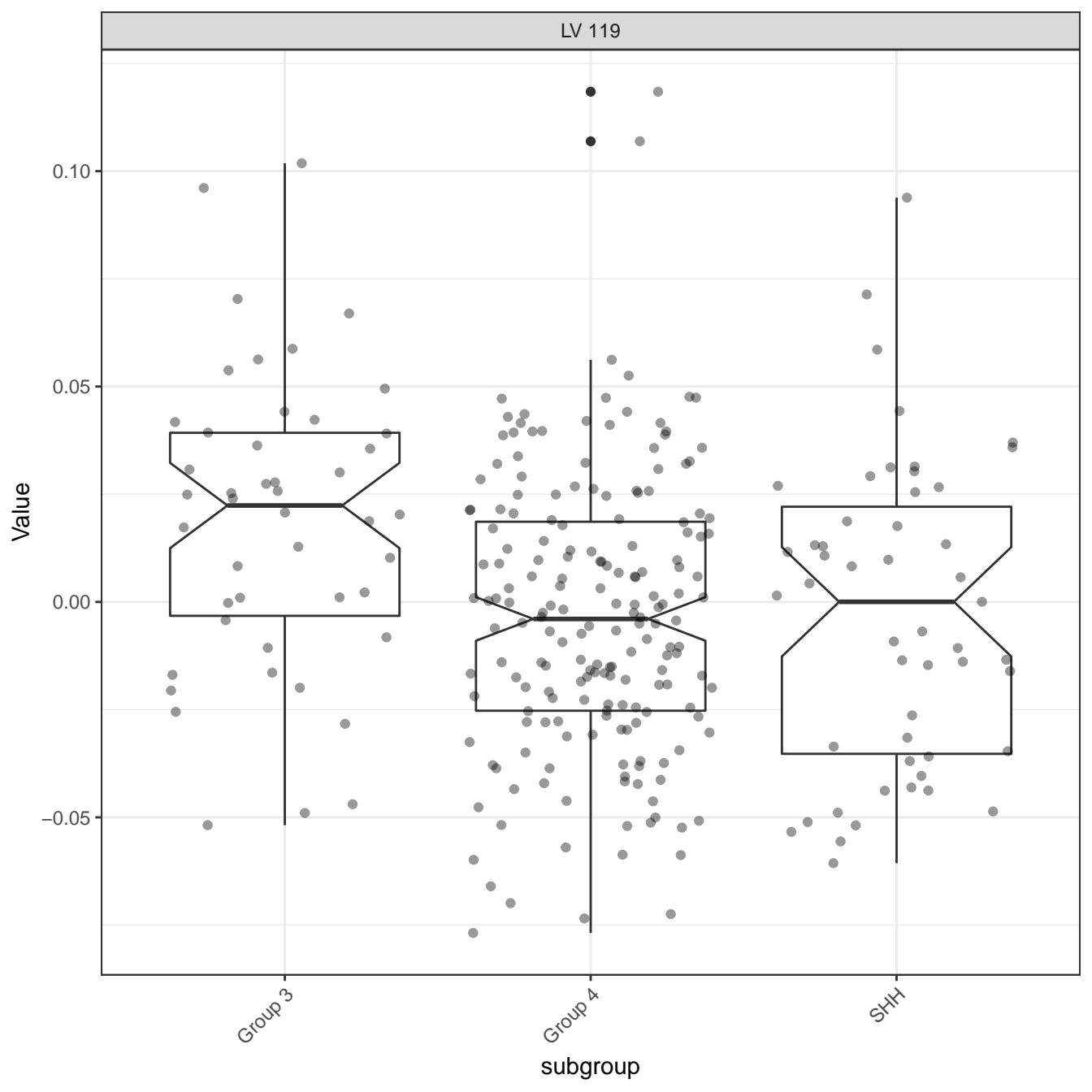
-0.05

Group 3

subgroup

SHH

Group 4



LV 120

Value

0.10

0.05

0.00

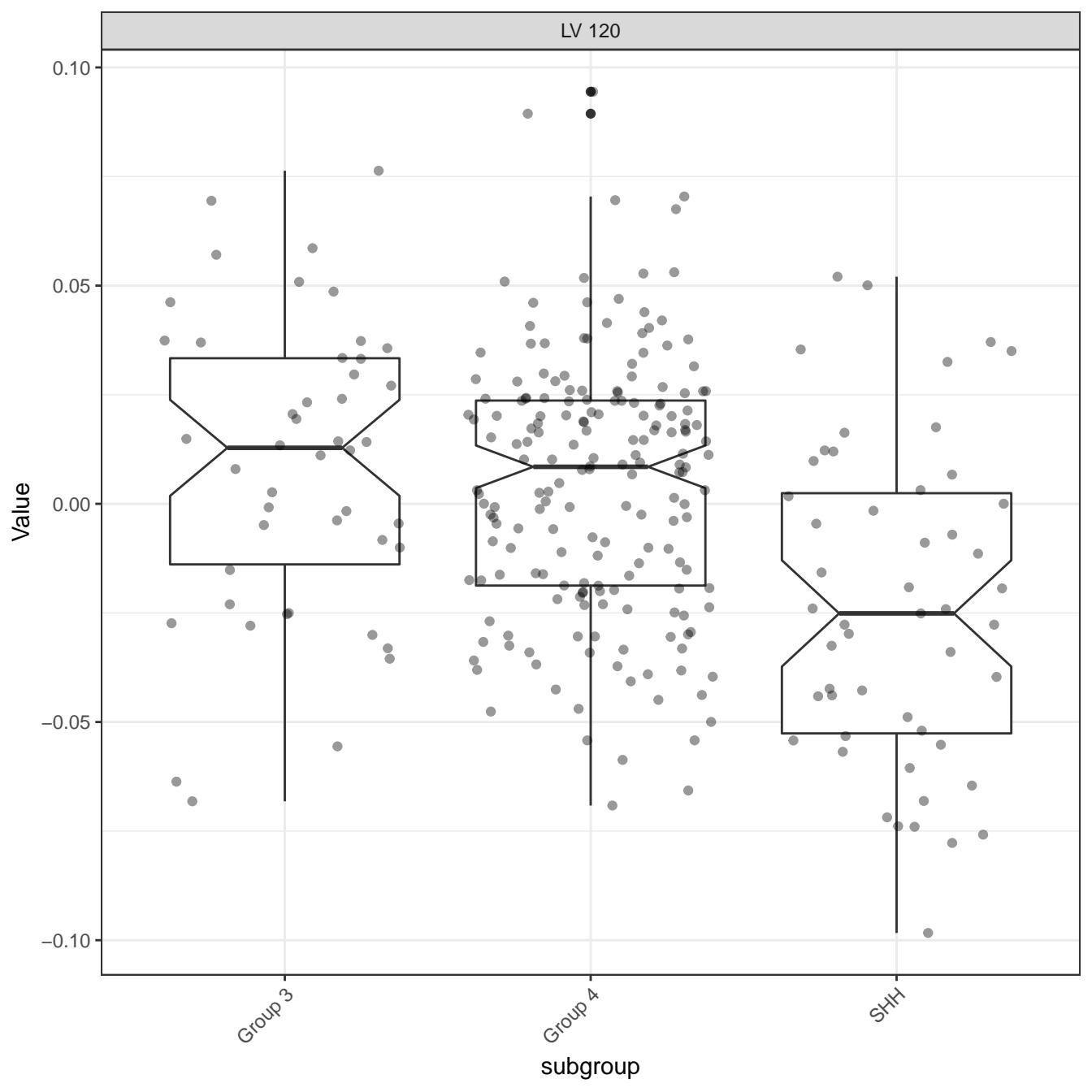
-0.05

-0.10

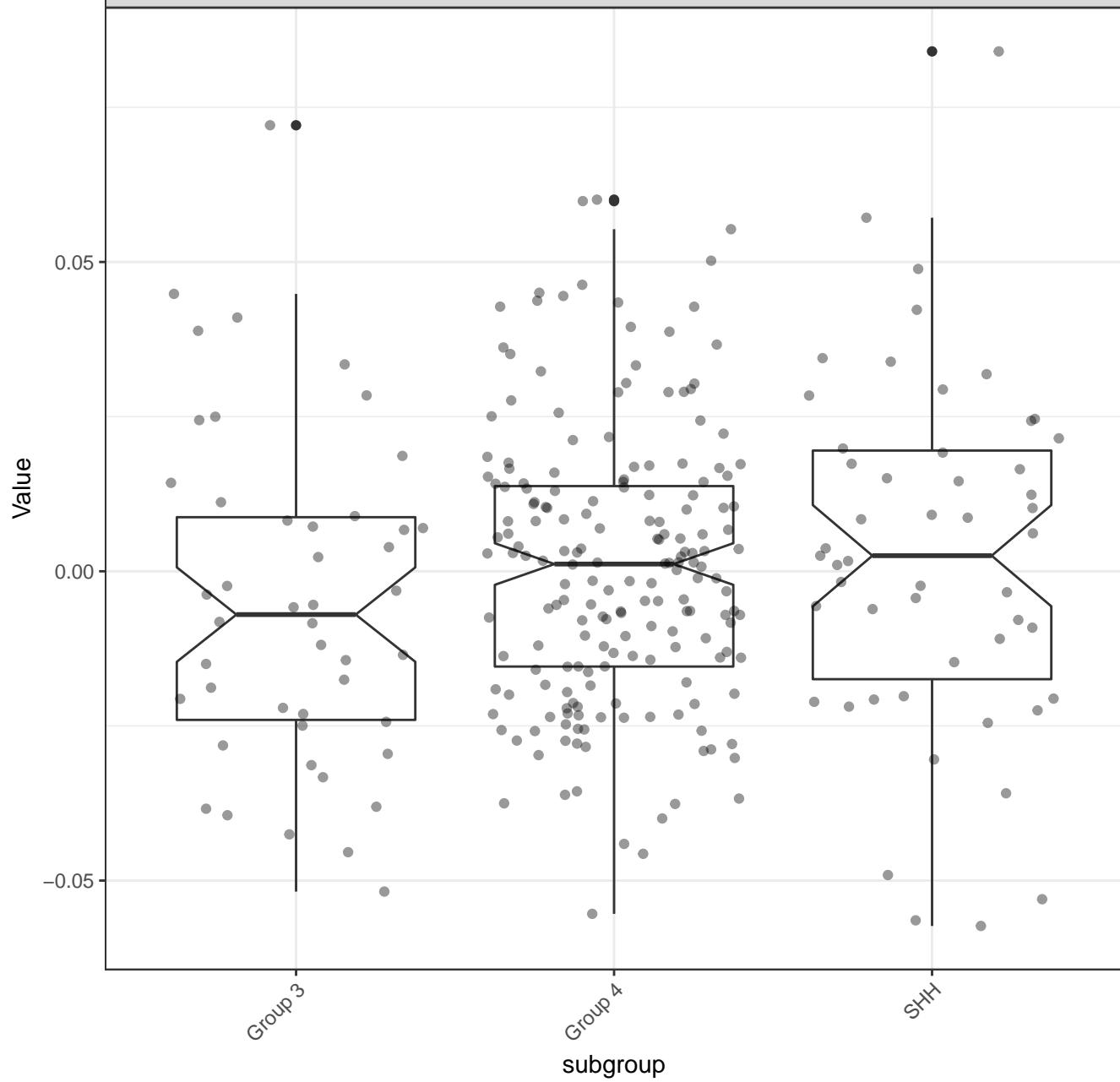
Group 3

subgroup

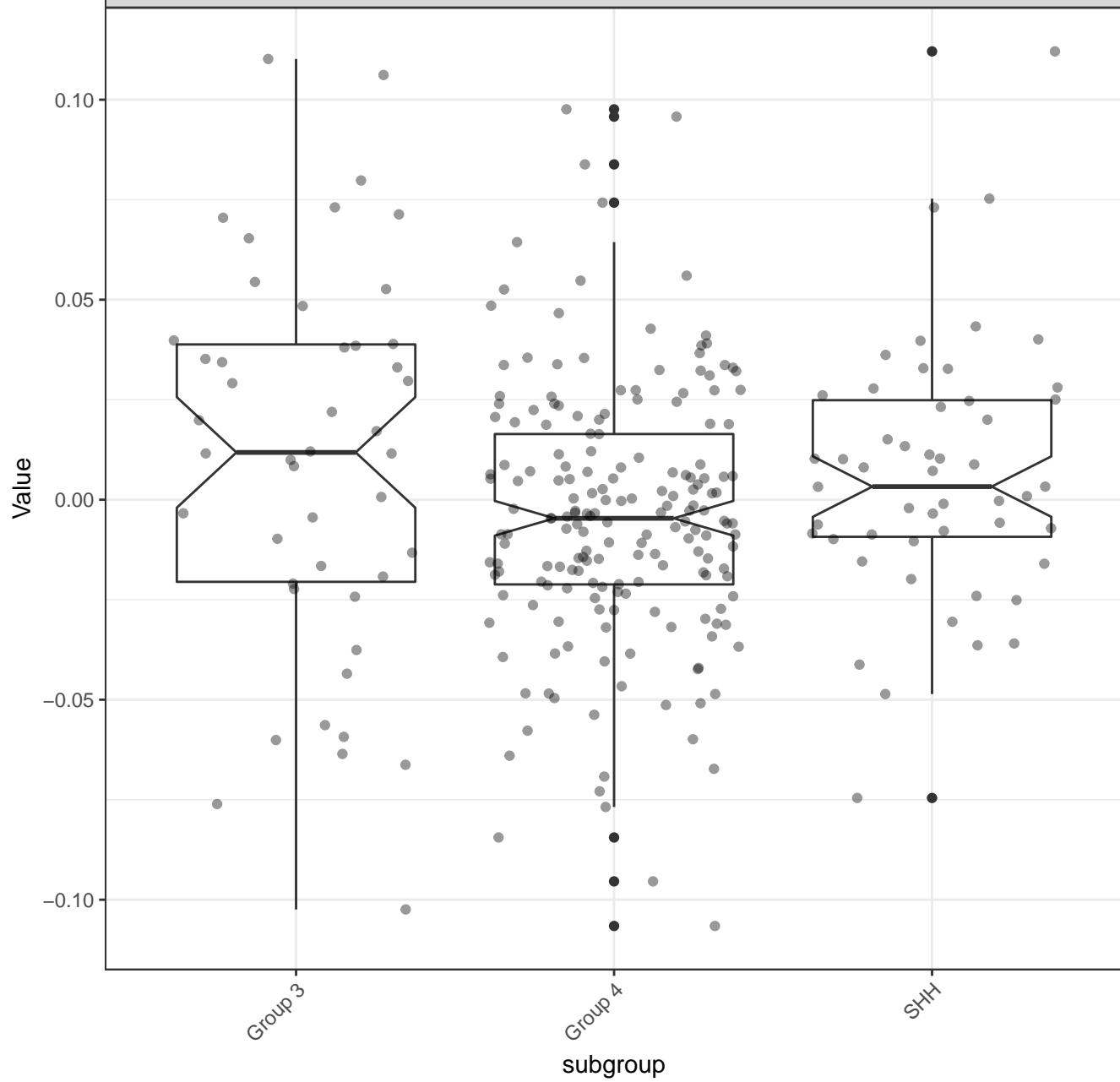
SHH



LV 121



LV 122



123,SVM Dendritic cells activated

Value

0.10

0.05

0.00

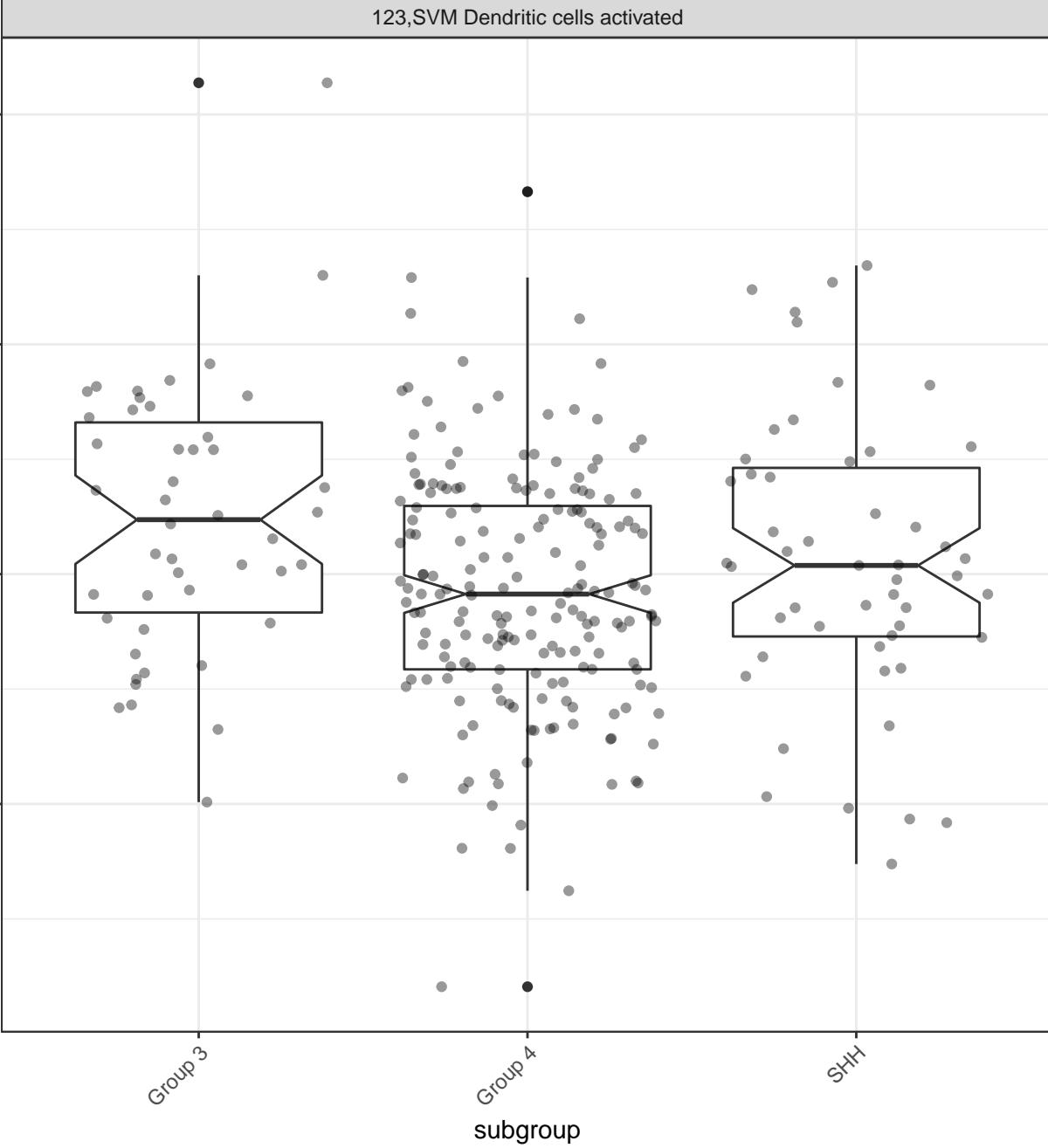
-0.05

Group 3

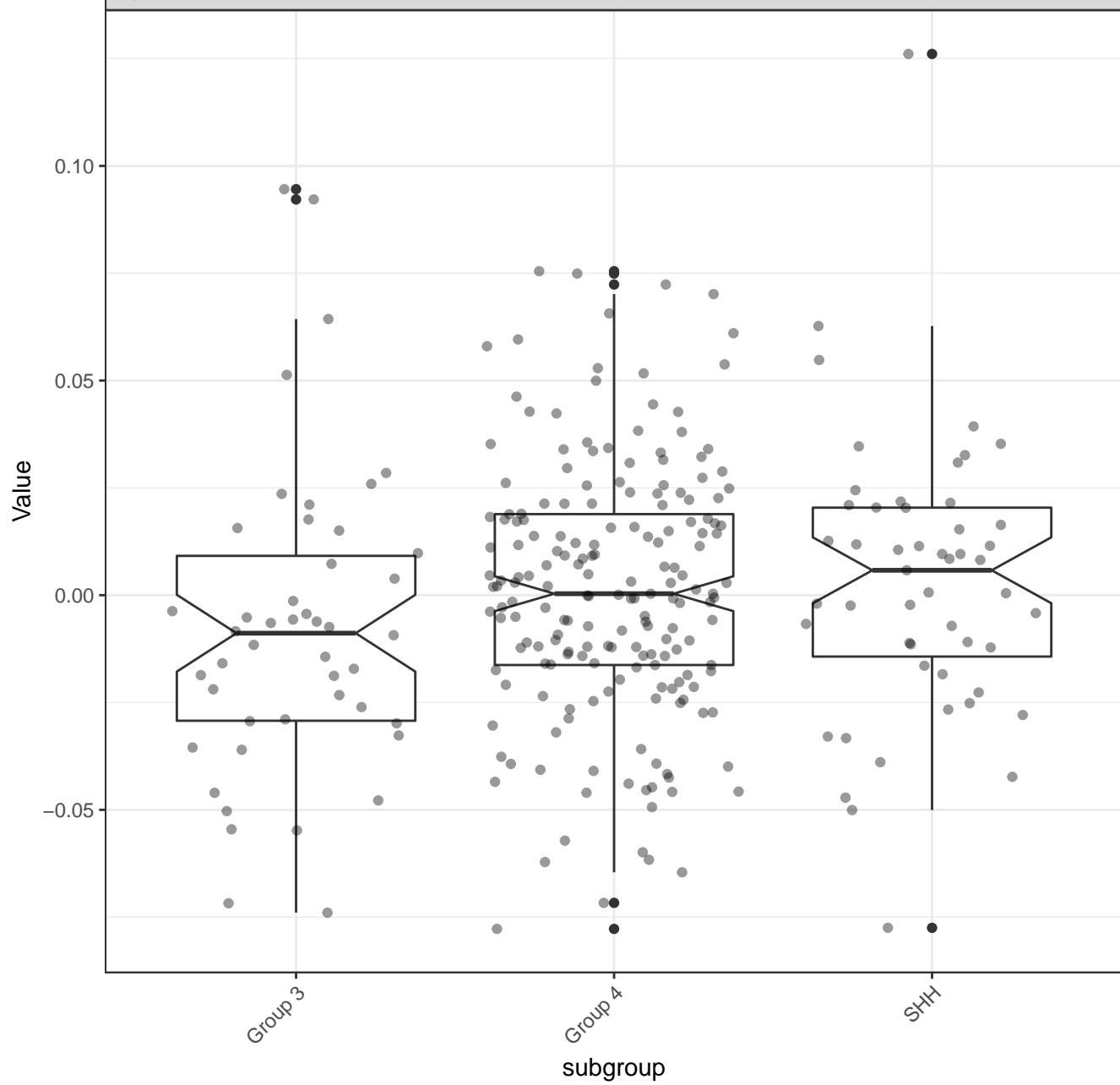
Group 4

SHH

subgroup

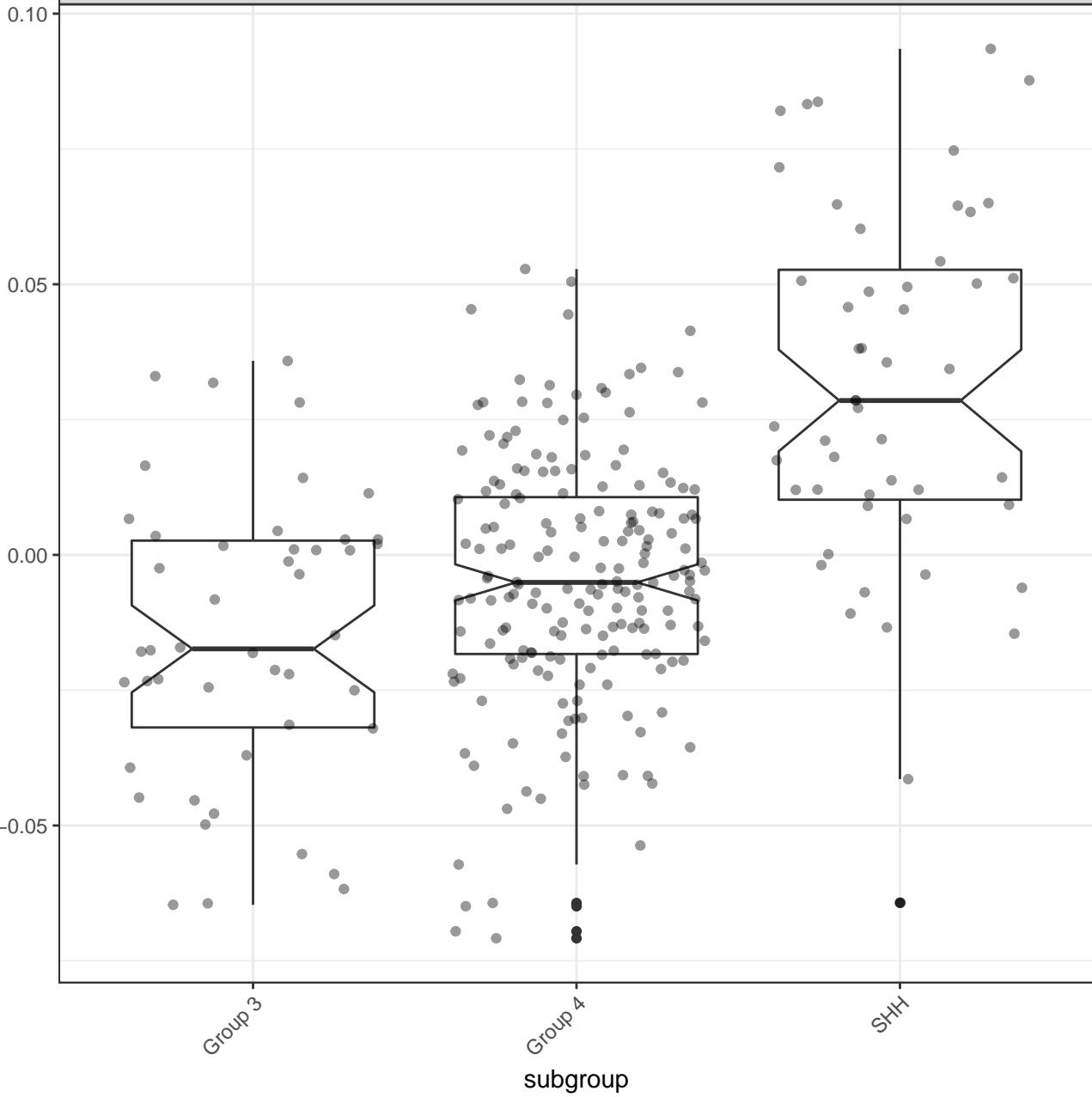


24,REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIATED_BY_TLR4_SIGNALING_REPERTOIRE



LV 125

Value



Value

0.05

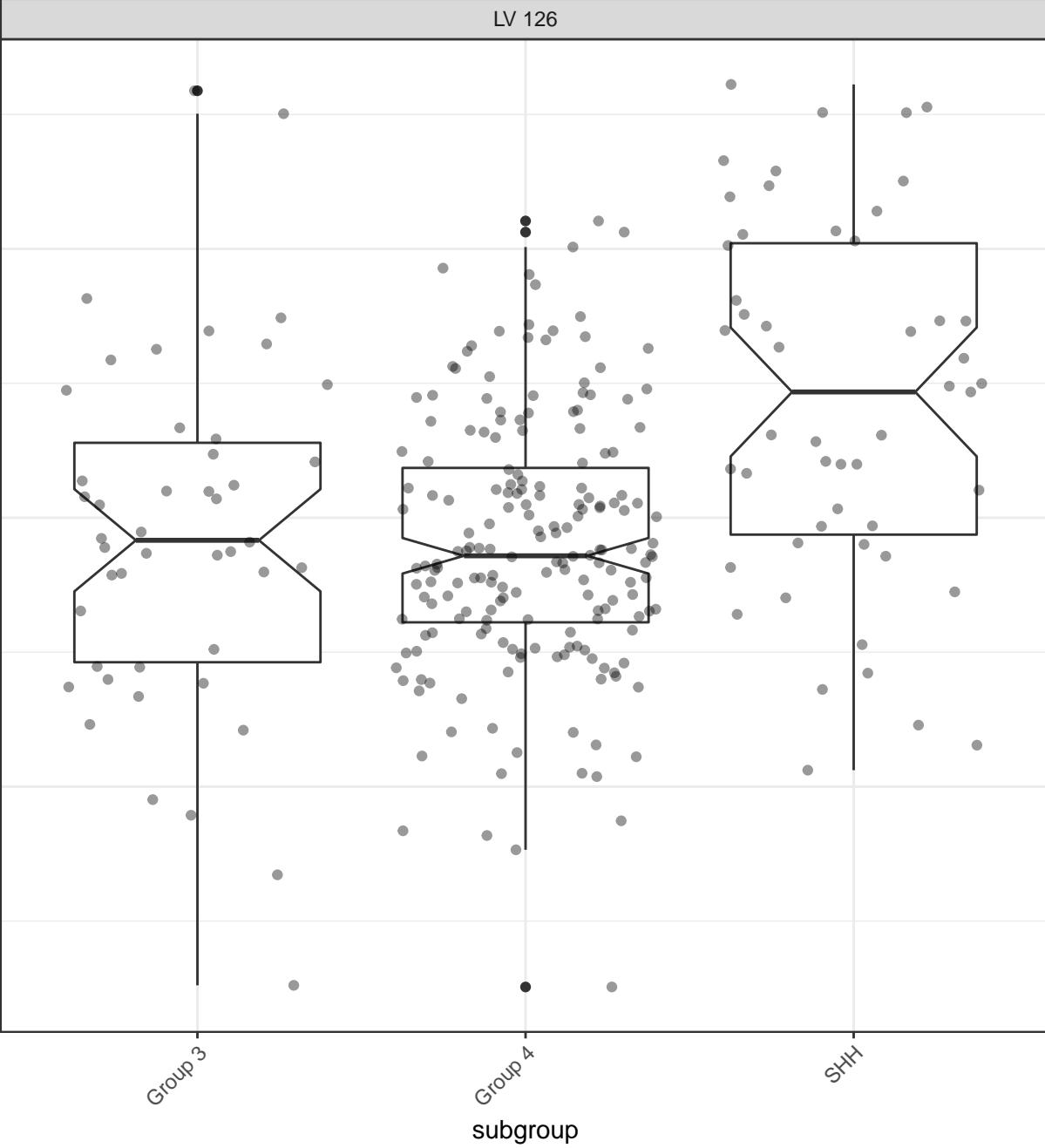
0.00

-0.05

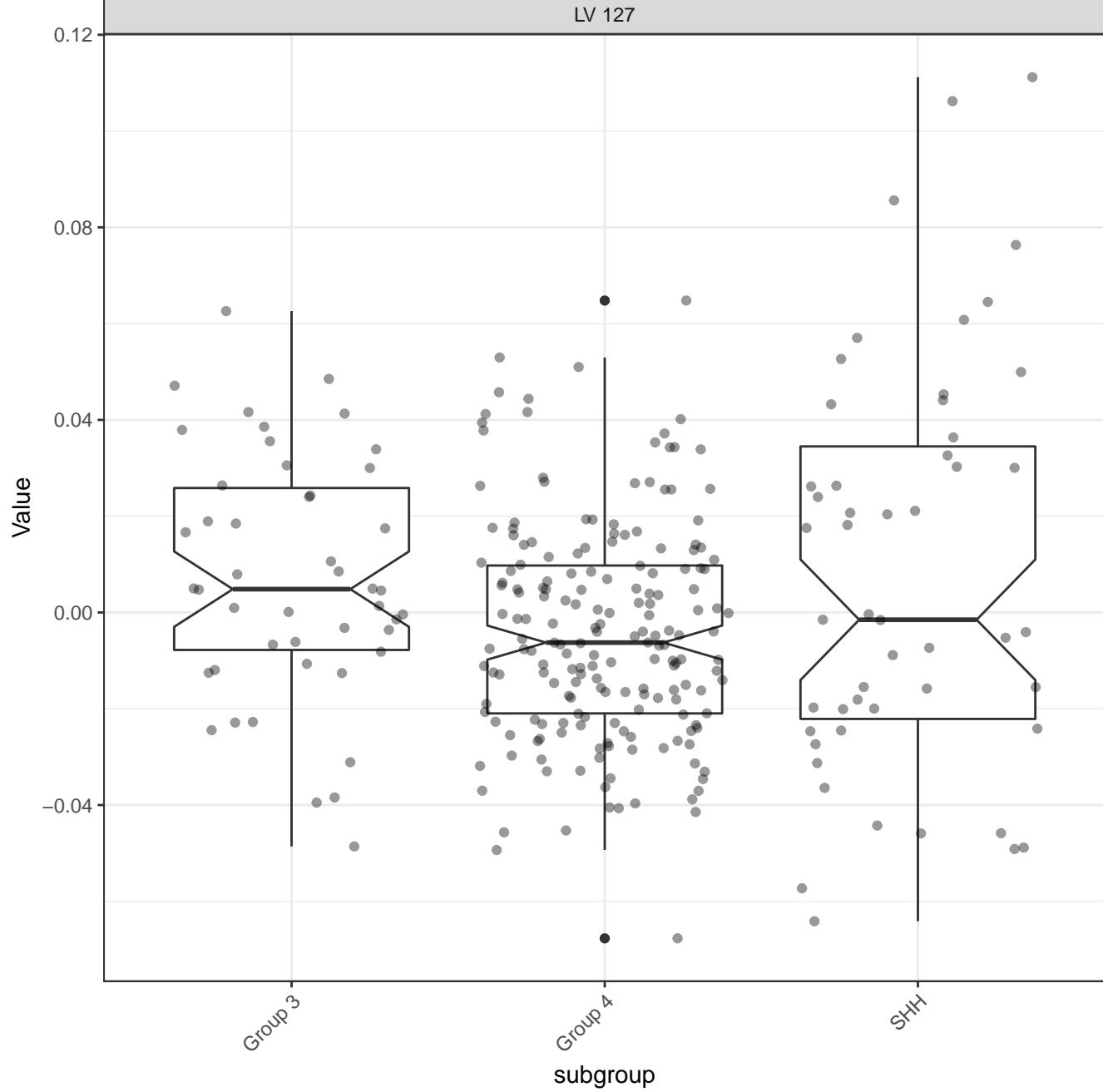
Group 3

subgroup

SHH



LV 127



LV 128

Value

0.15

0.10

0.05

0.00

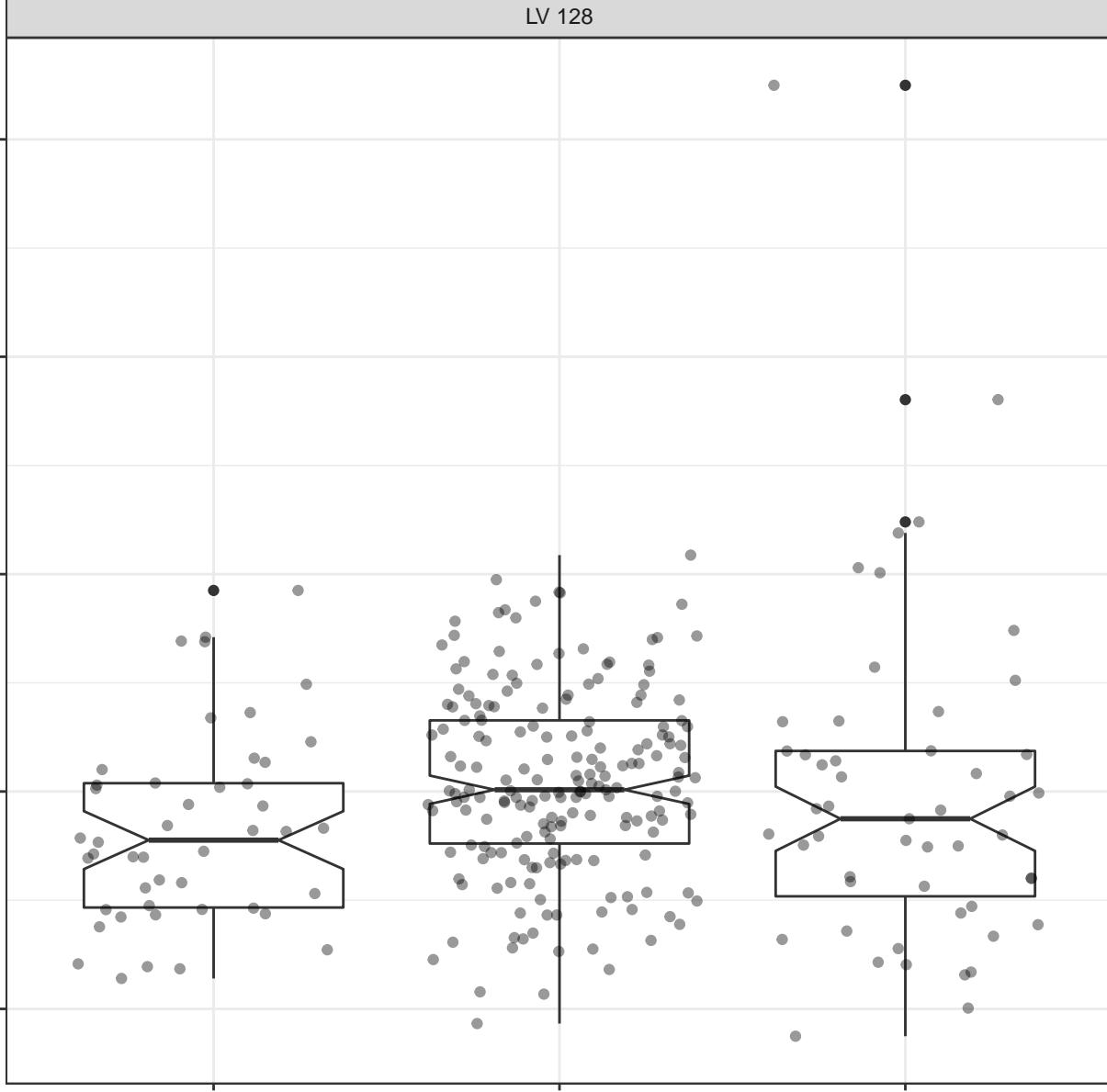
-0.05

Group 3

Group 4

SHH

subgroup



LV 129

Vvalue

0.10

0.05

0.00

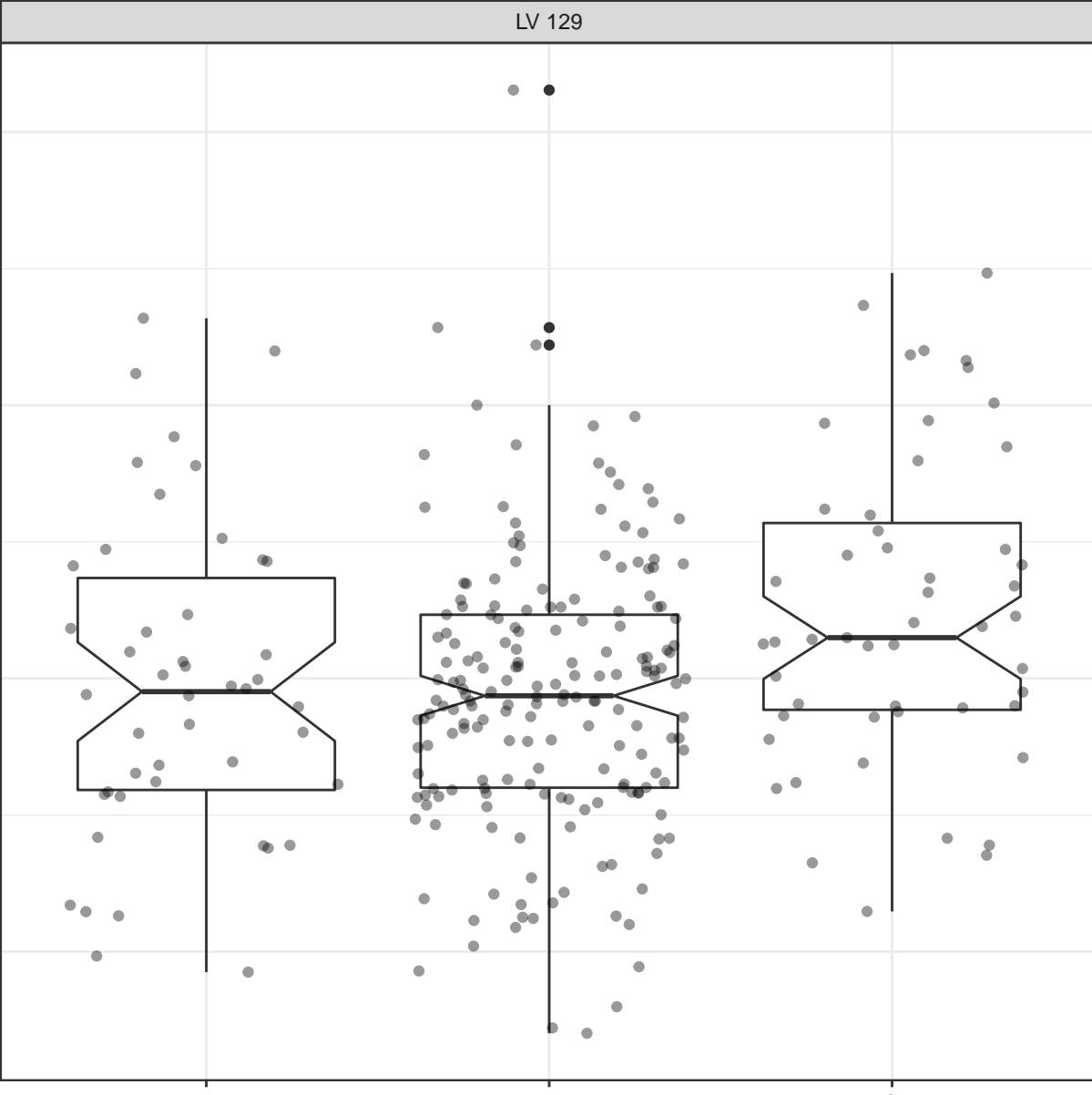
-0.05

Group 3

subgroup

Group 4

SHH



LV 130

Value

0.08

0.04

0.00

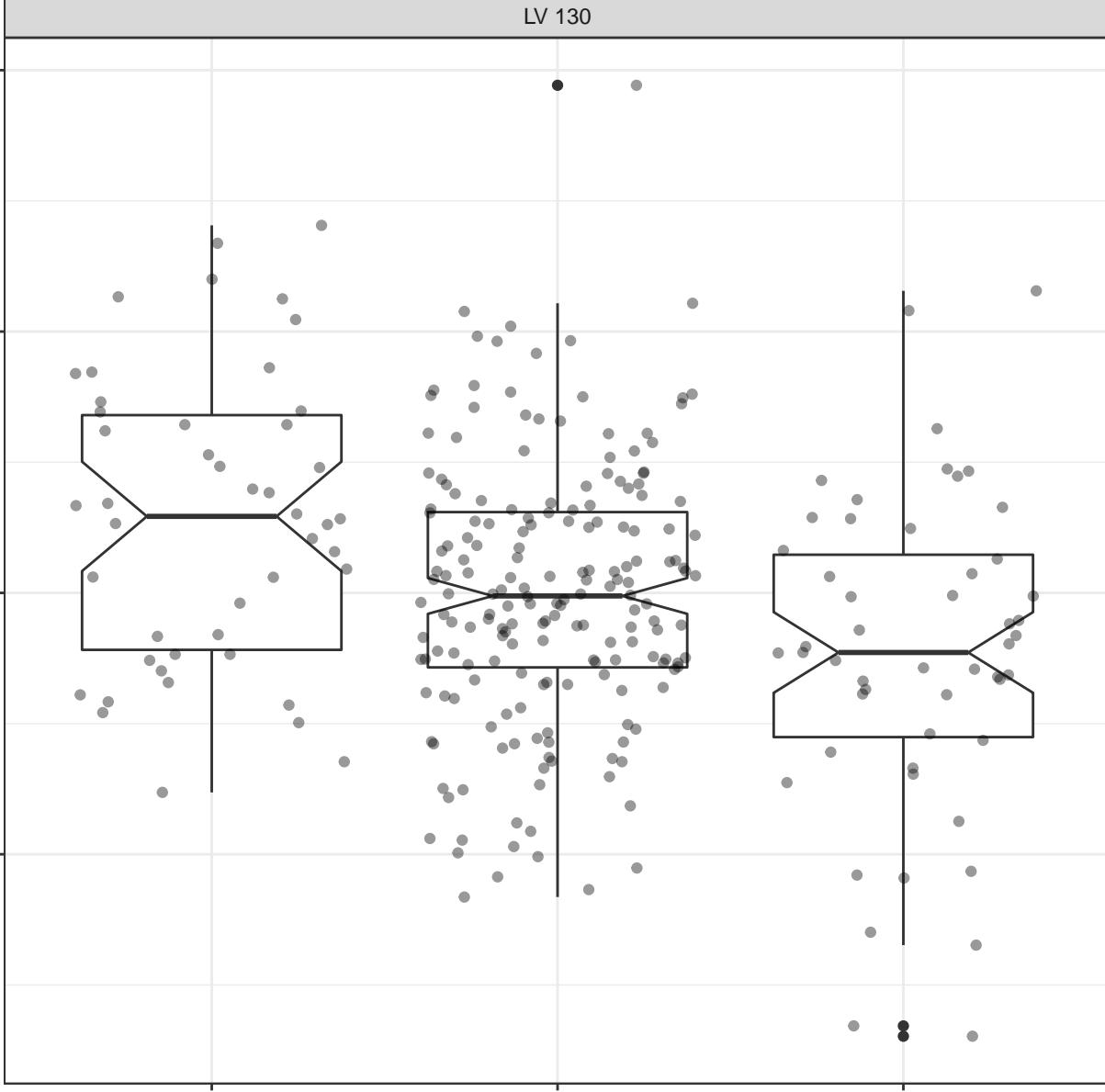
-0.04

Group 3

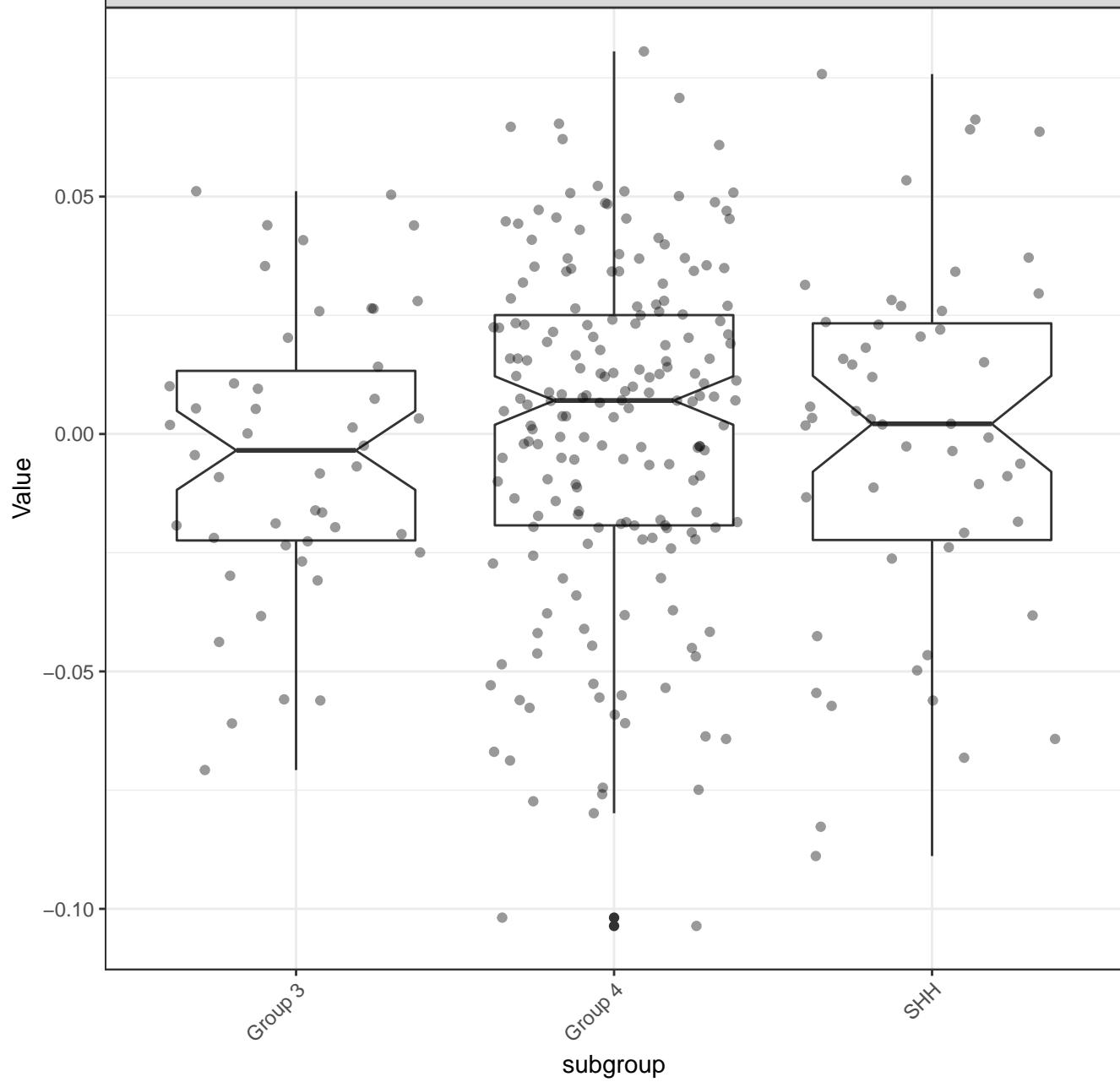
Group 4

SHH

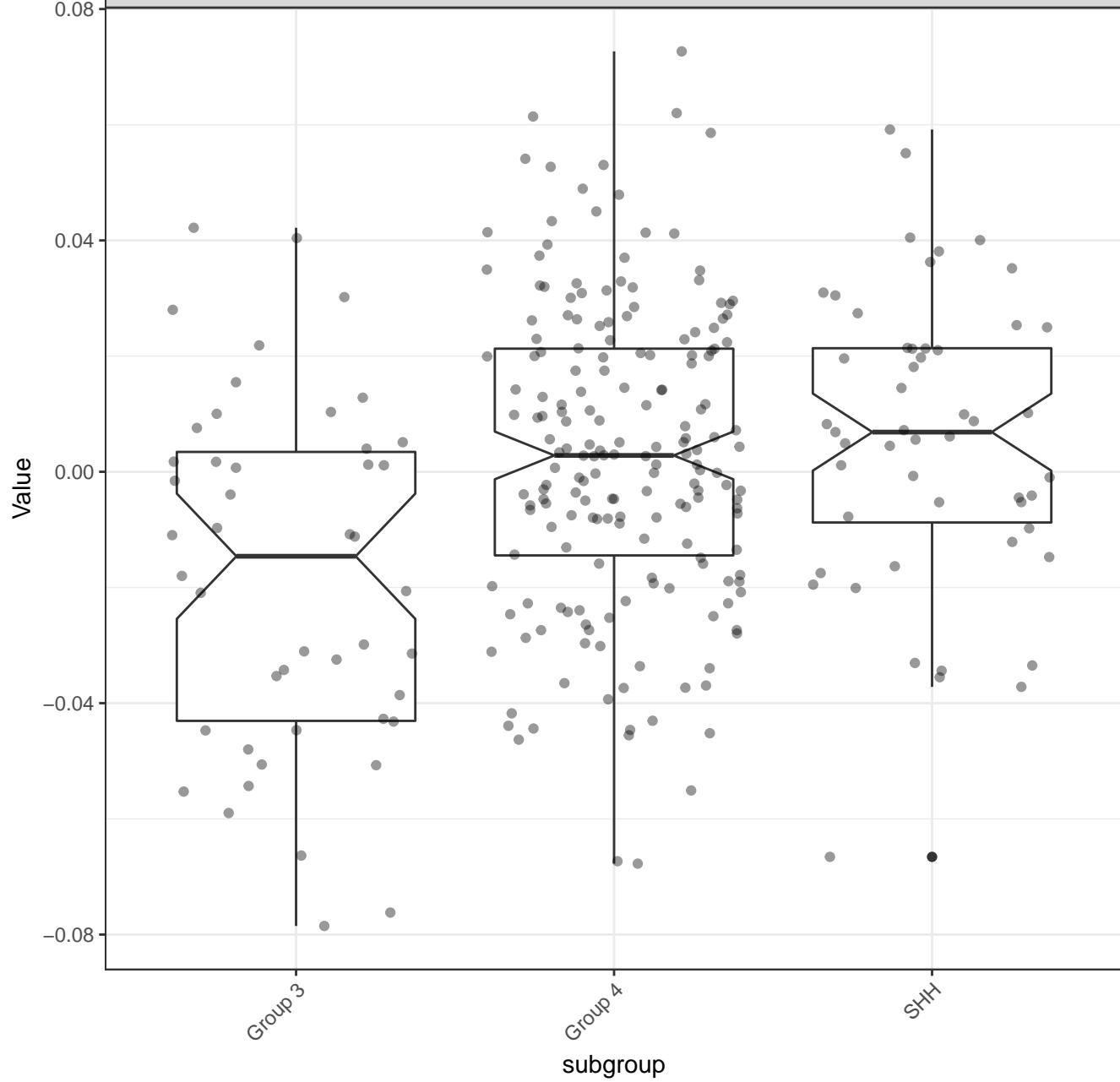
subgroup



LV 131



LV 132



LV 133

Value

0.3

0.2

0.1

0.0

-0.1

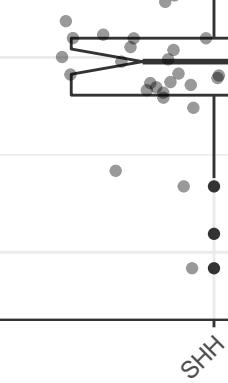
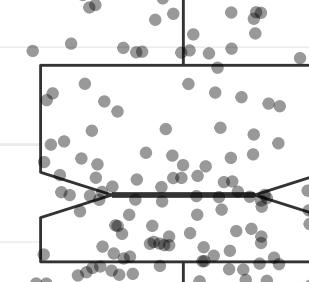
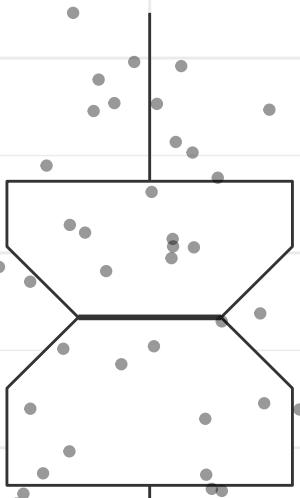
-0.2

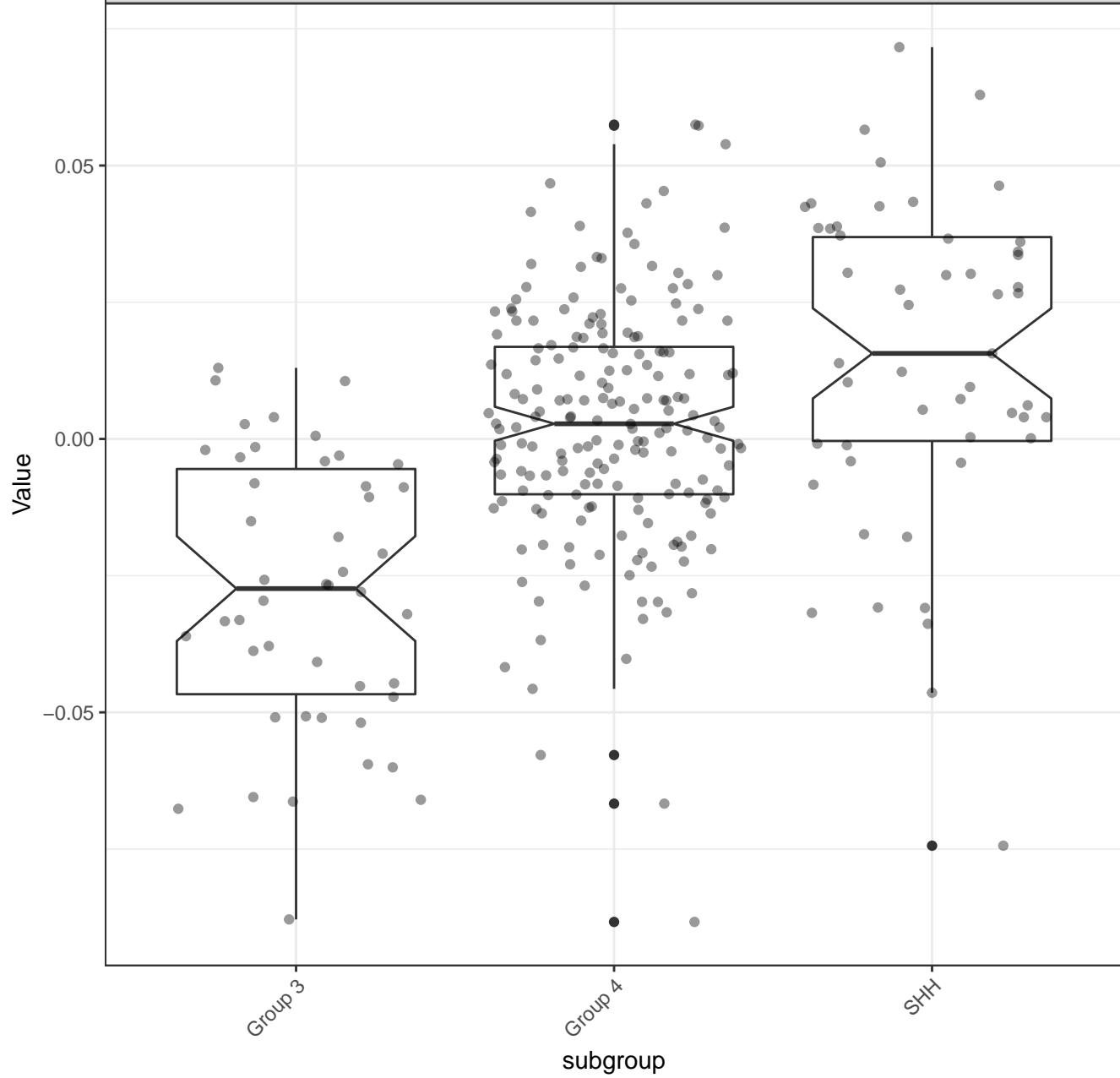
Group 3

Group 4

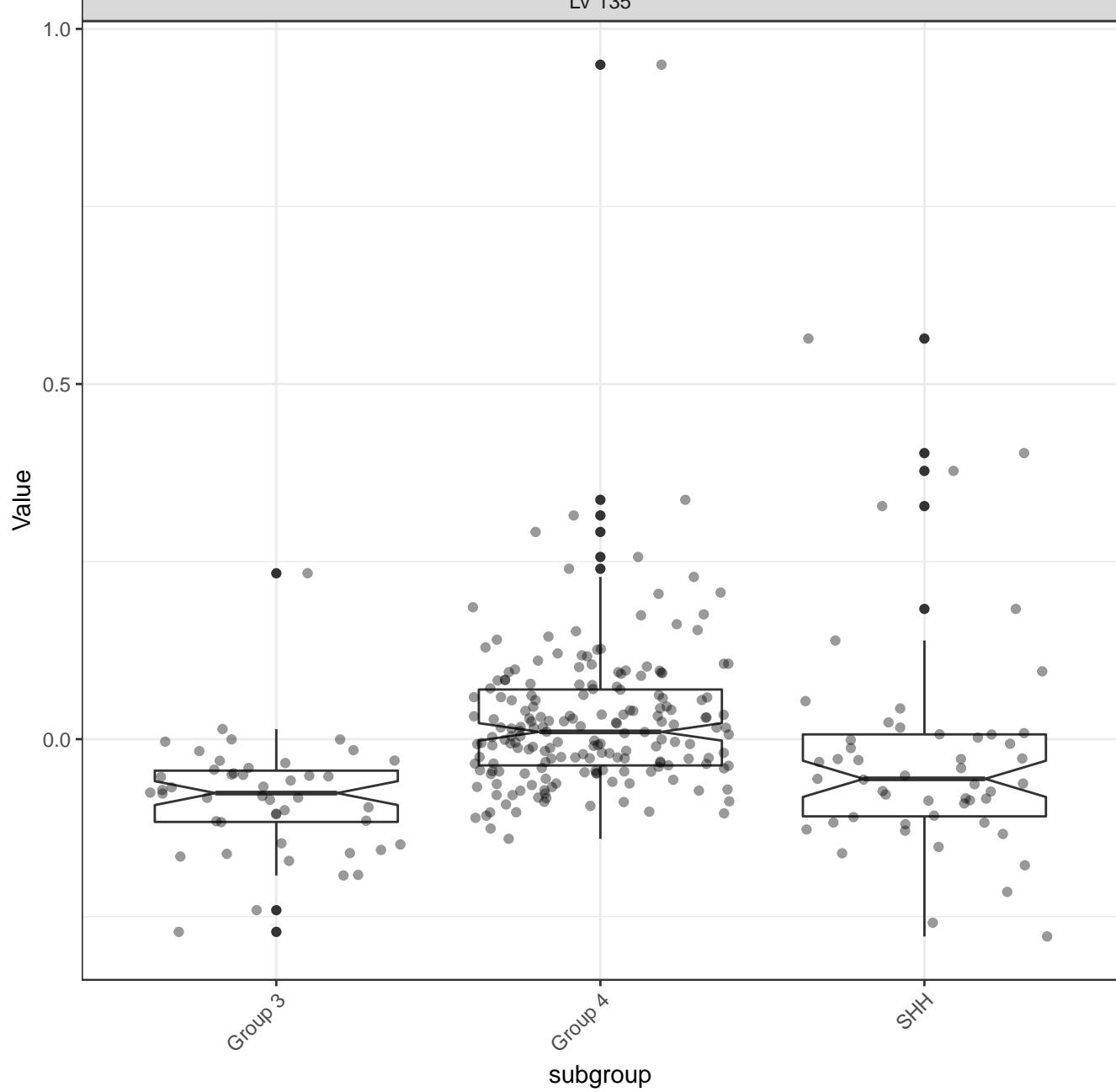
SHH

subgroup





LV 135



136,PID_INTEGRIN1_PATHWAY

Value

0.3

0.2

0.1

0.0

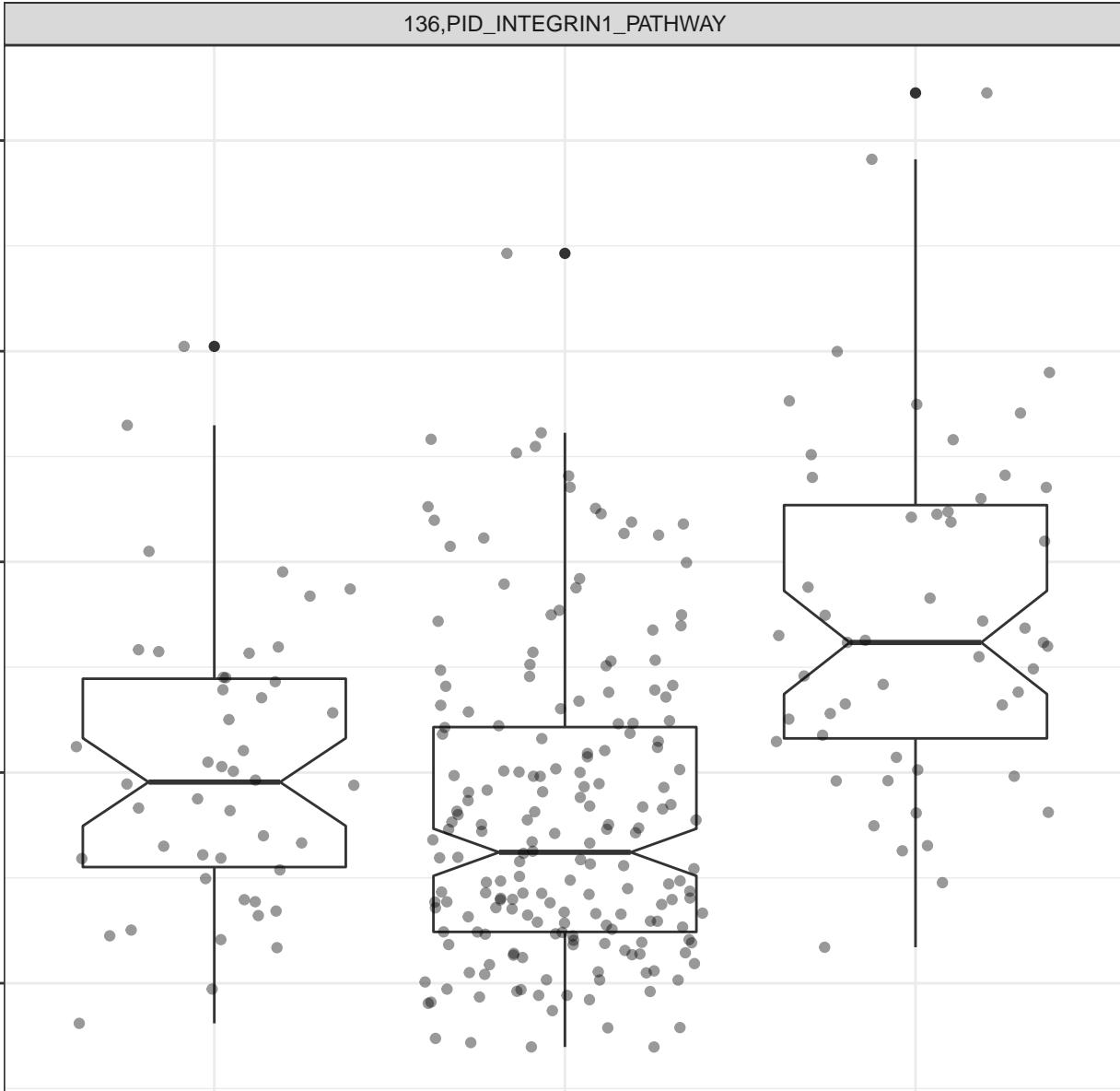
-0.1

Group 3

subgroup

Group 4

SHH



Value

0.10

0.05

0.00

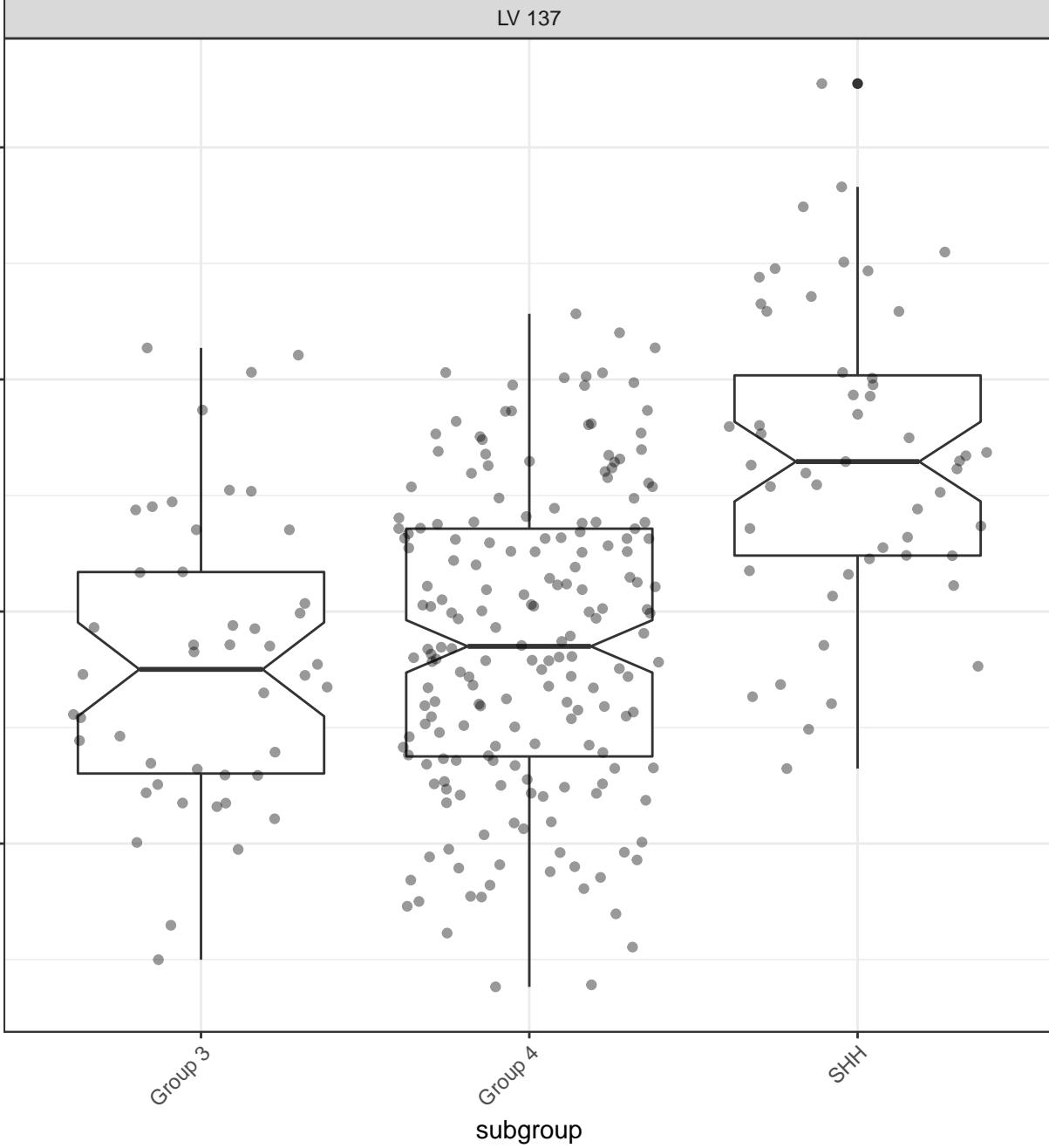
-0.05

Group 3

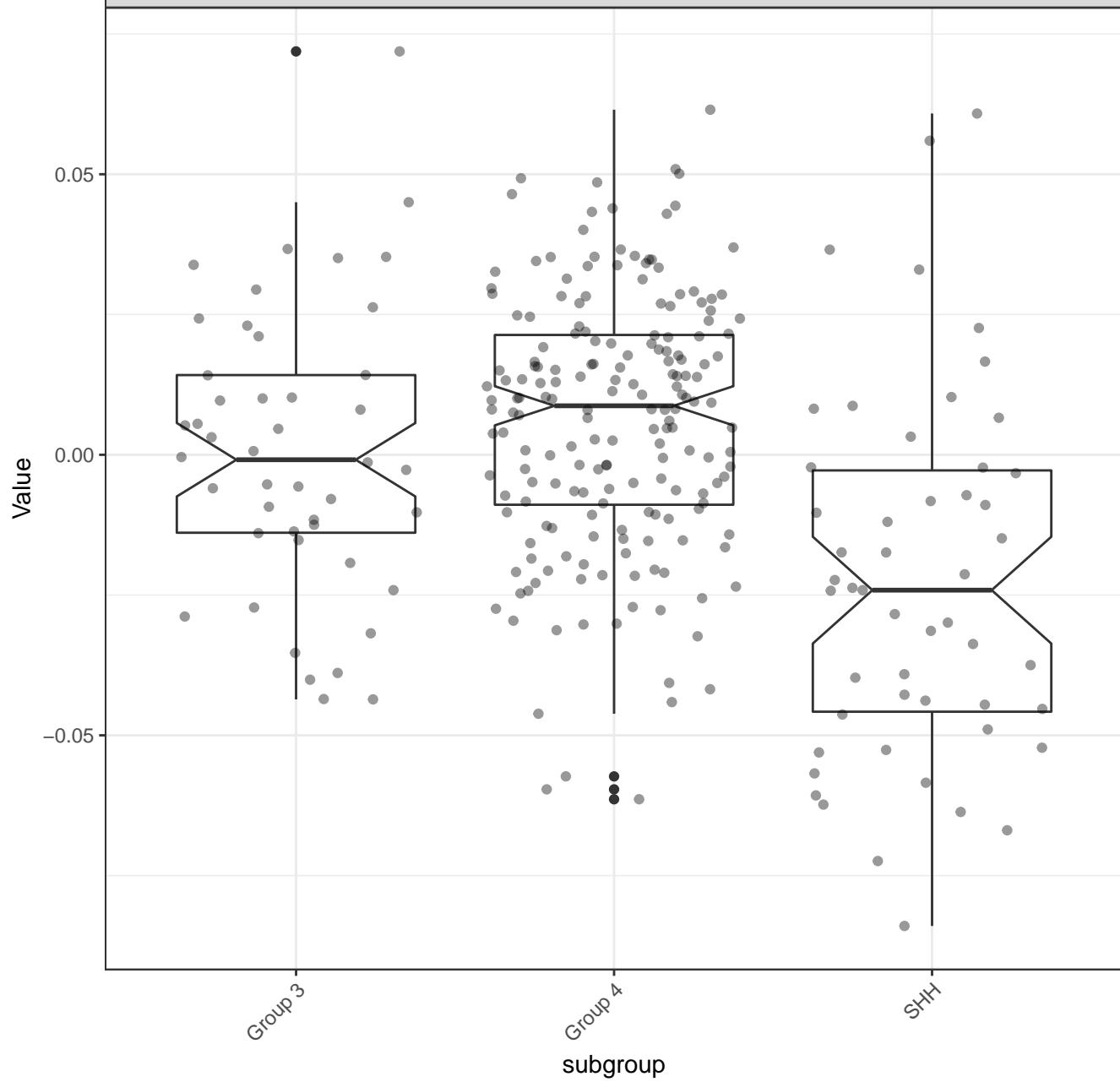
Group 4

SHH

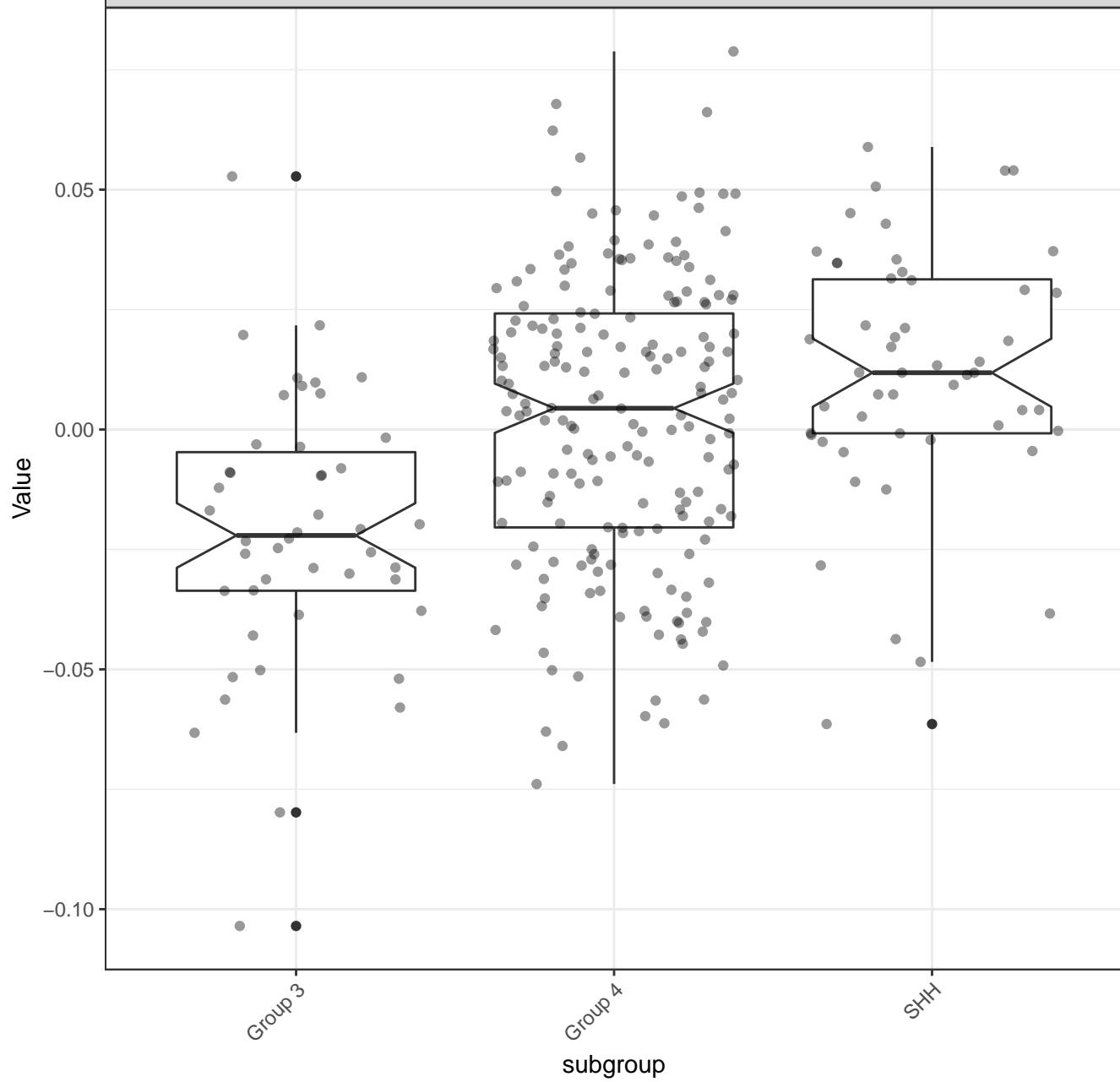
subgroup



LV 138



LV 139



140,REACTOME_INTERFERON_GAMMA_SIGNALING

Value

0.1

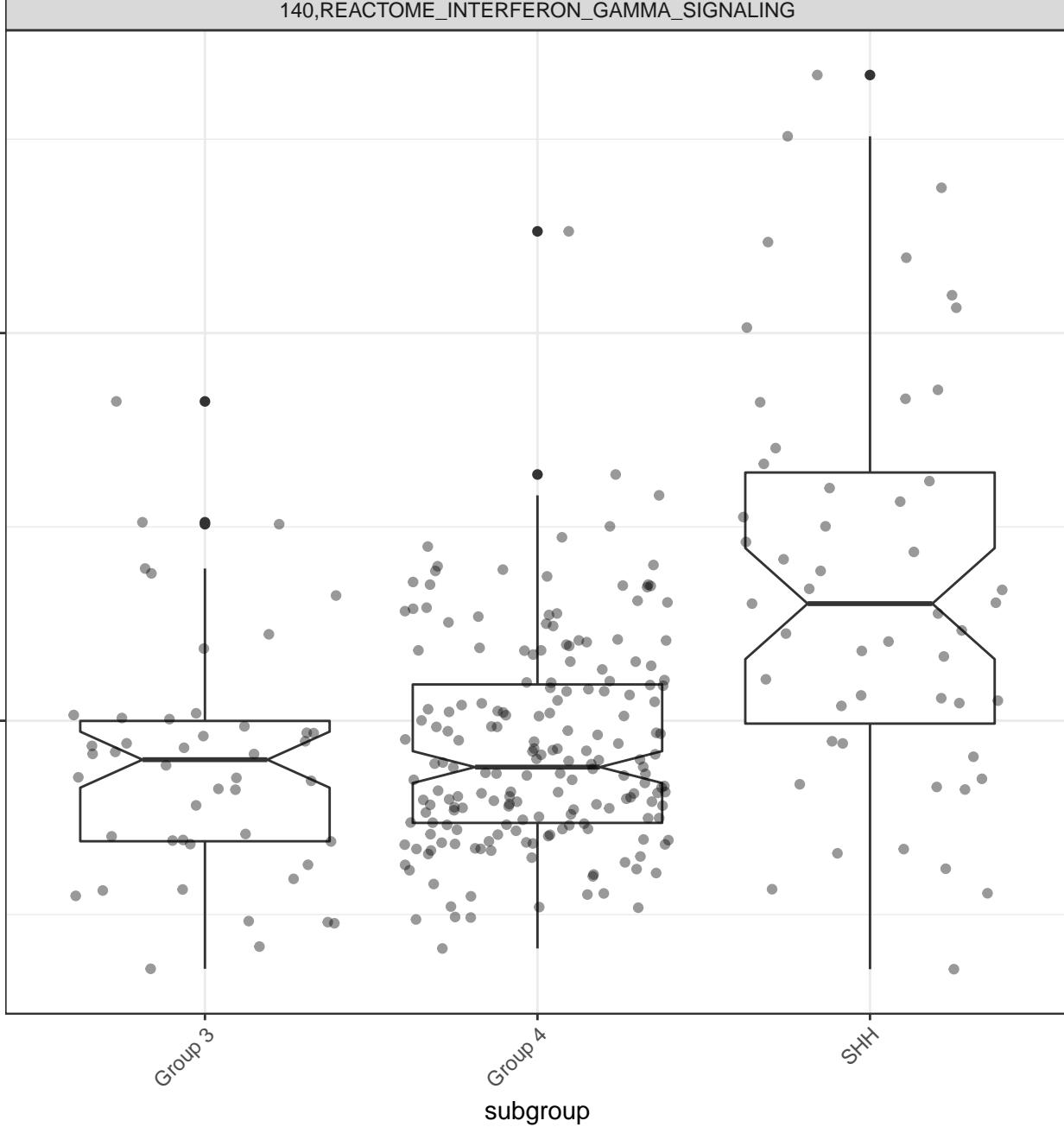
0.0

Group 3

Group 4

SHH

subgroup



LV 141

Value

0.05

0.00

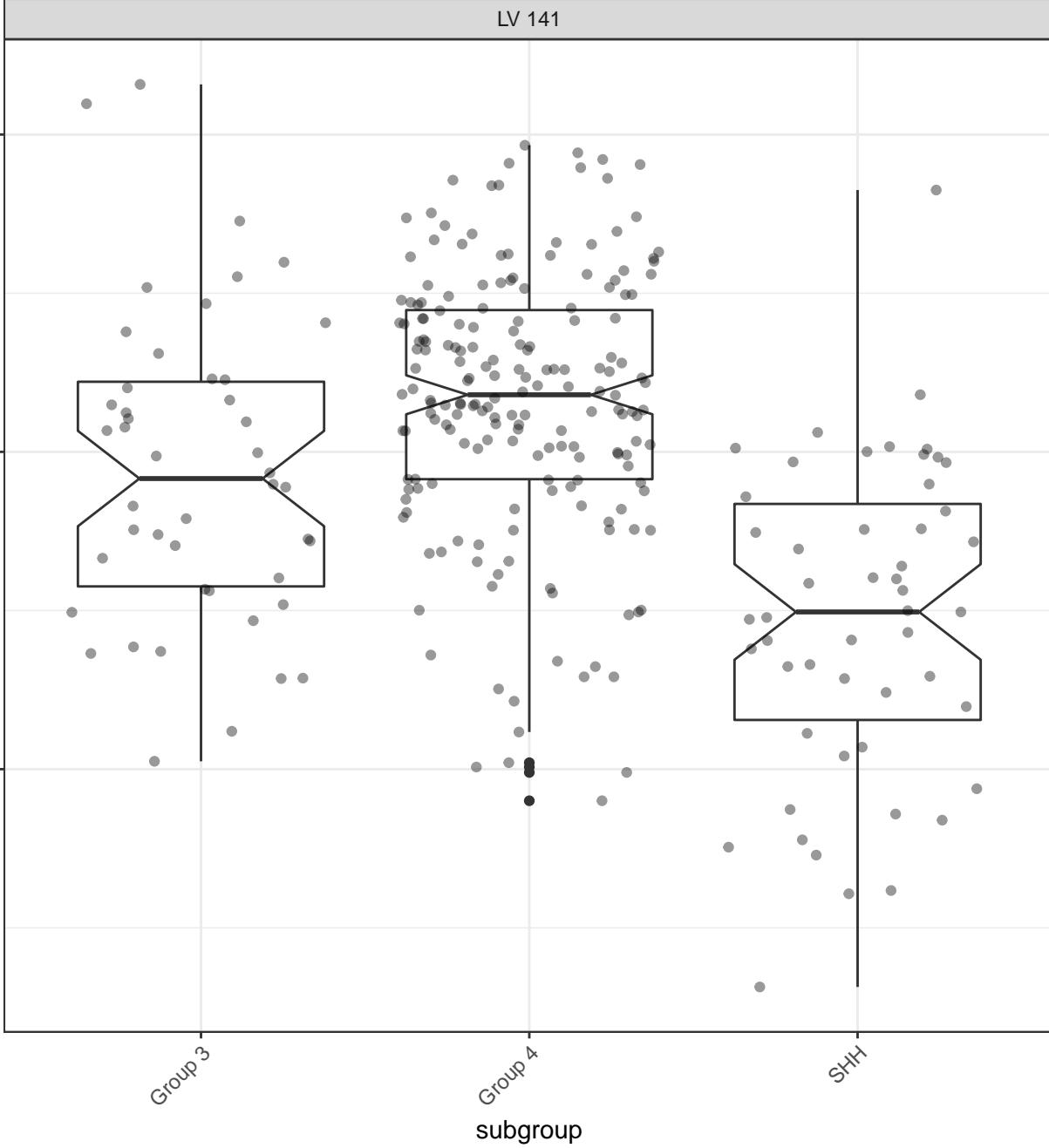
-0.05

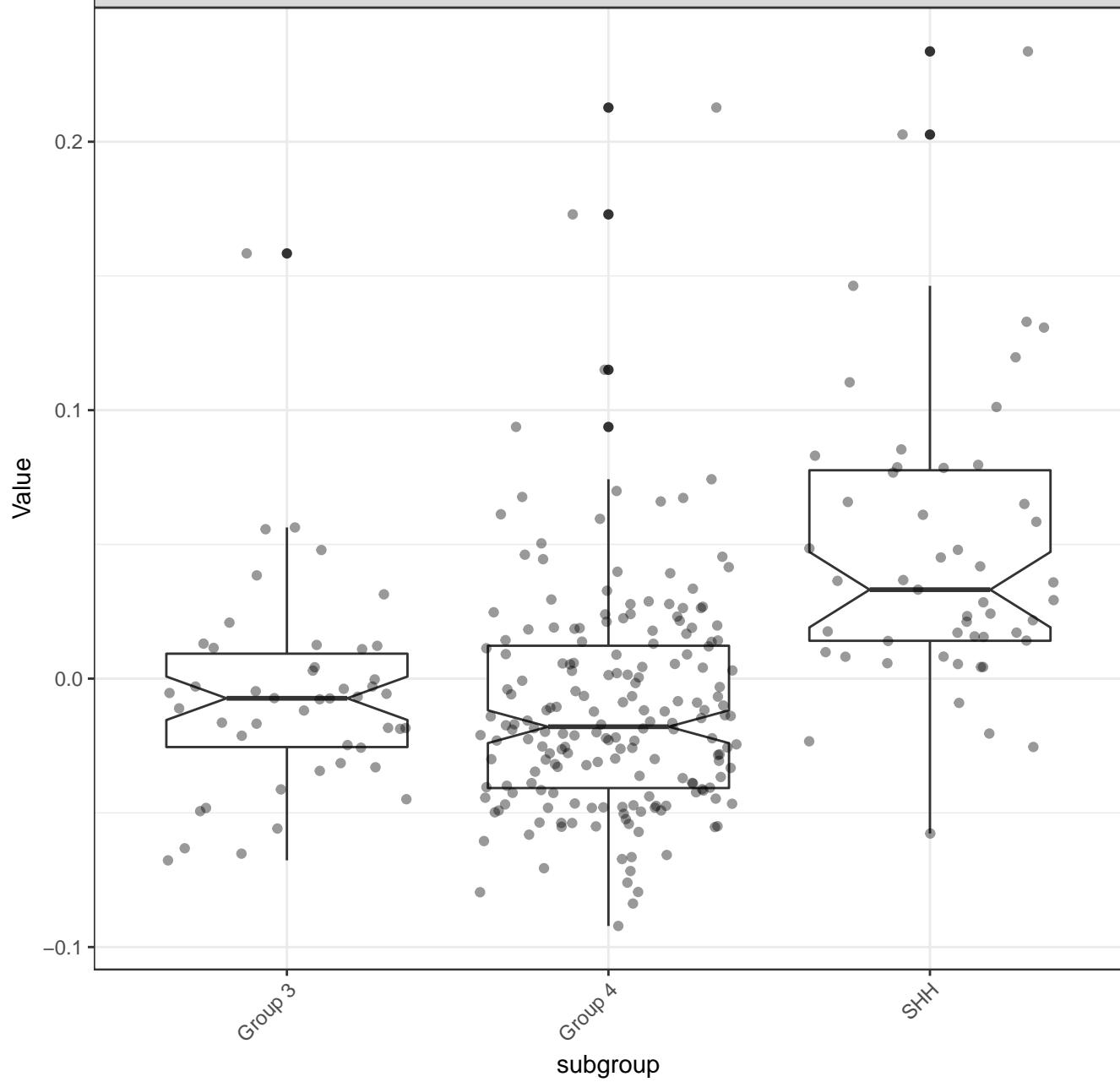
Group 3

Group 4

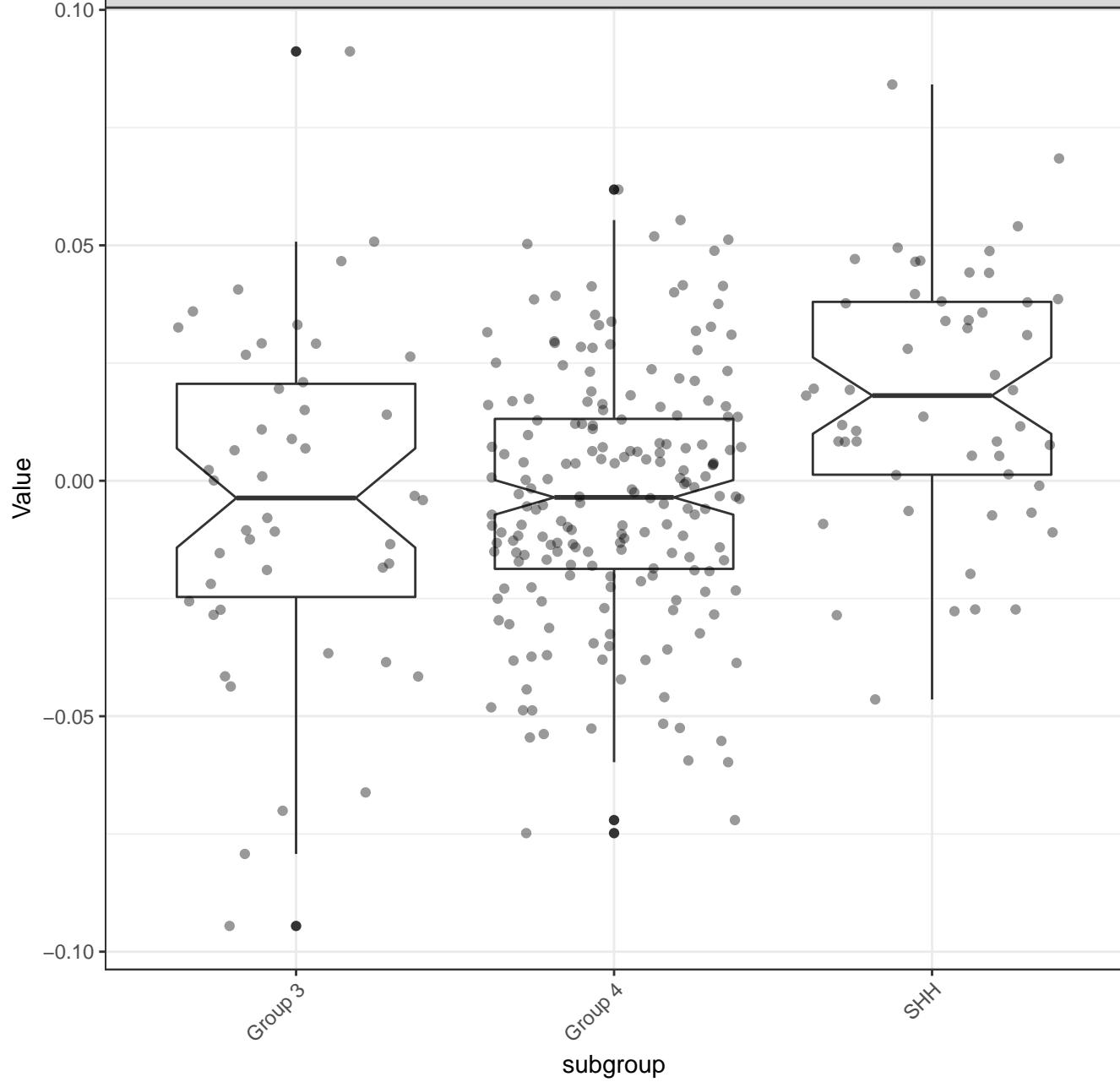
SHH

subgroup

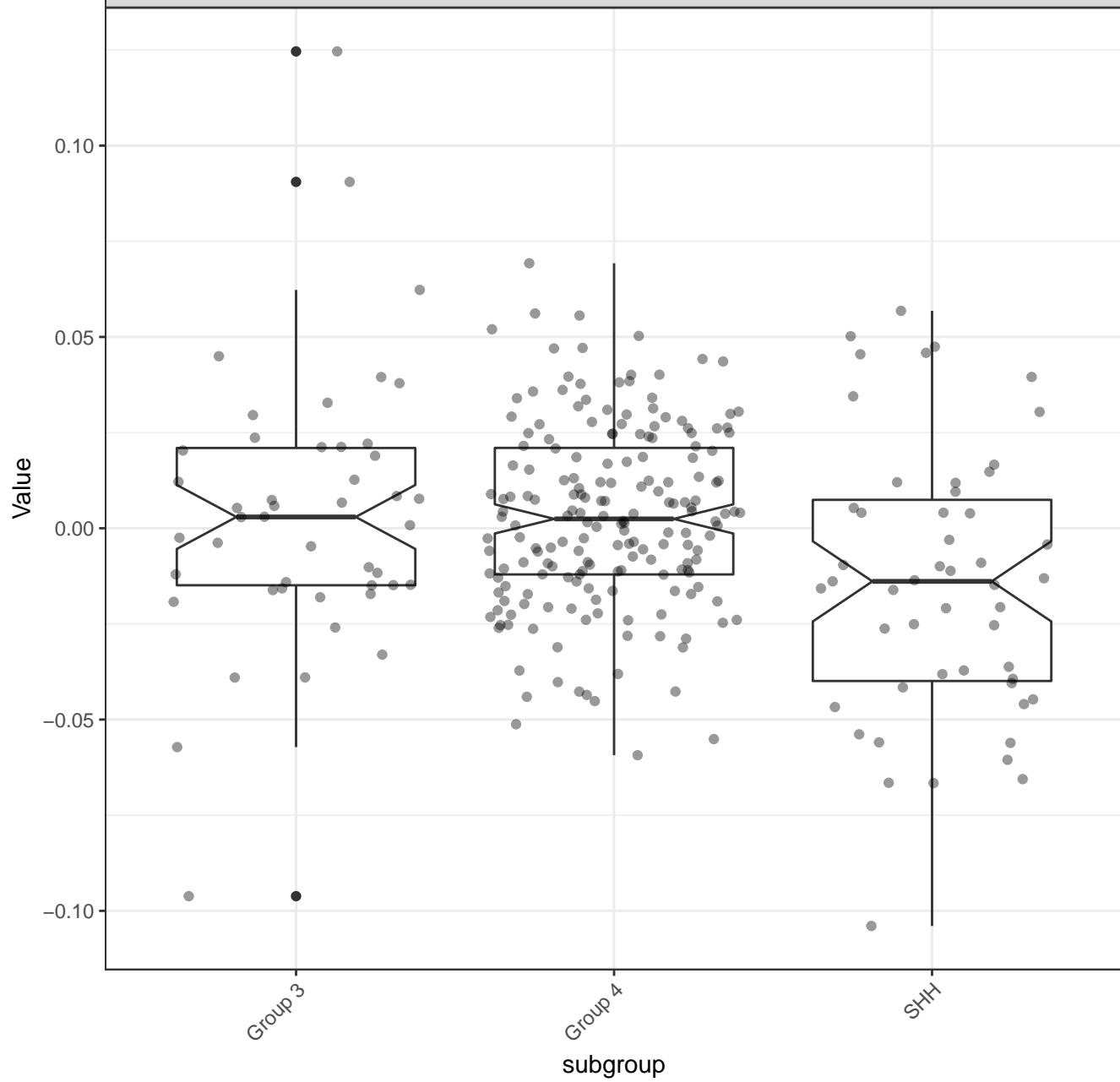




LV 143



LV 144



LV 145

Value

0.10

0.05

0.00

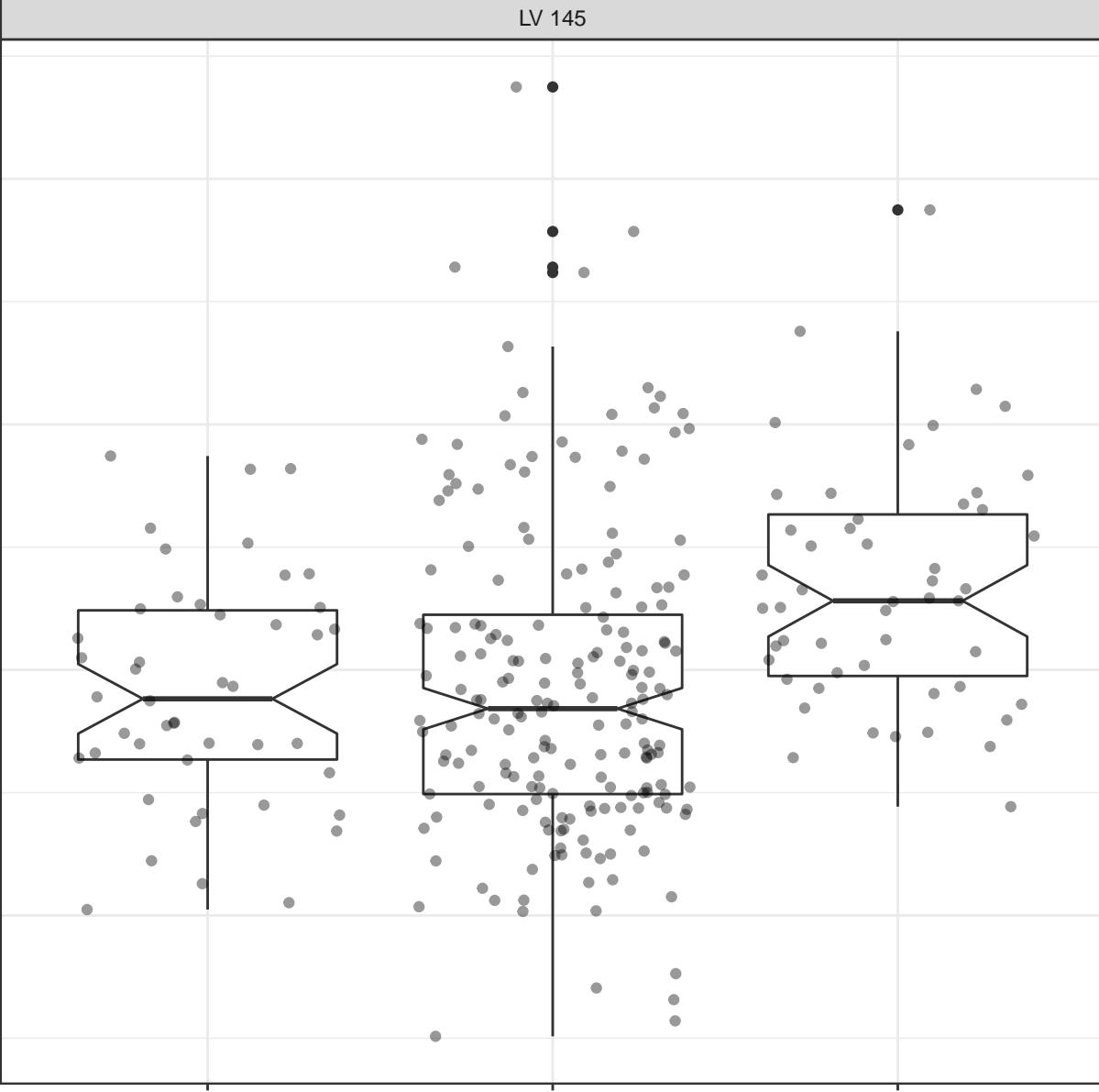
-0.05

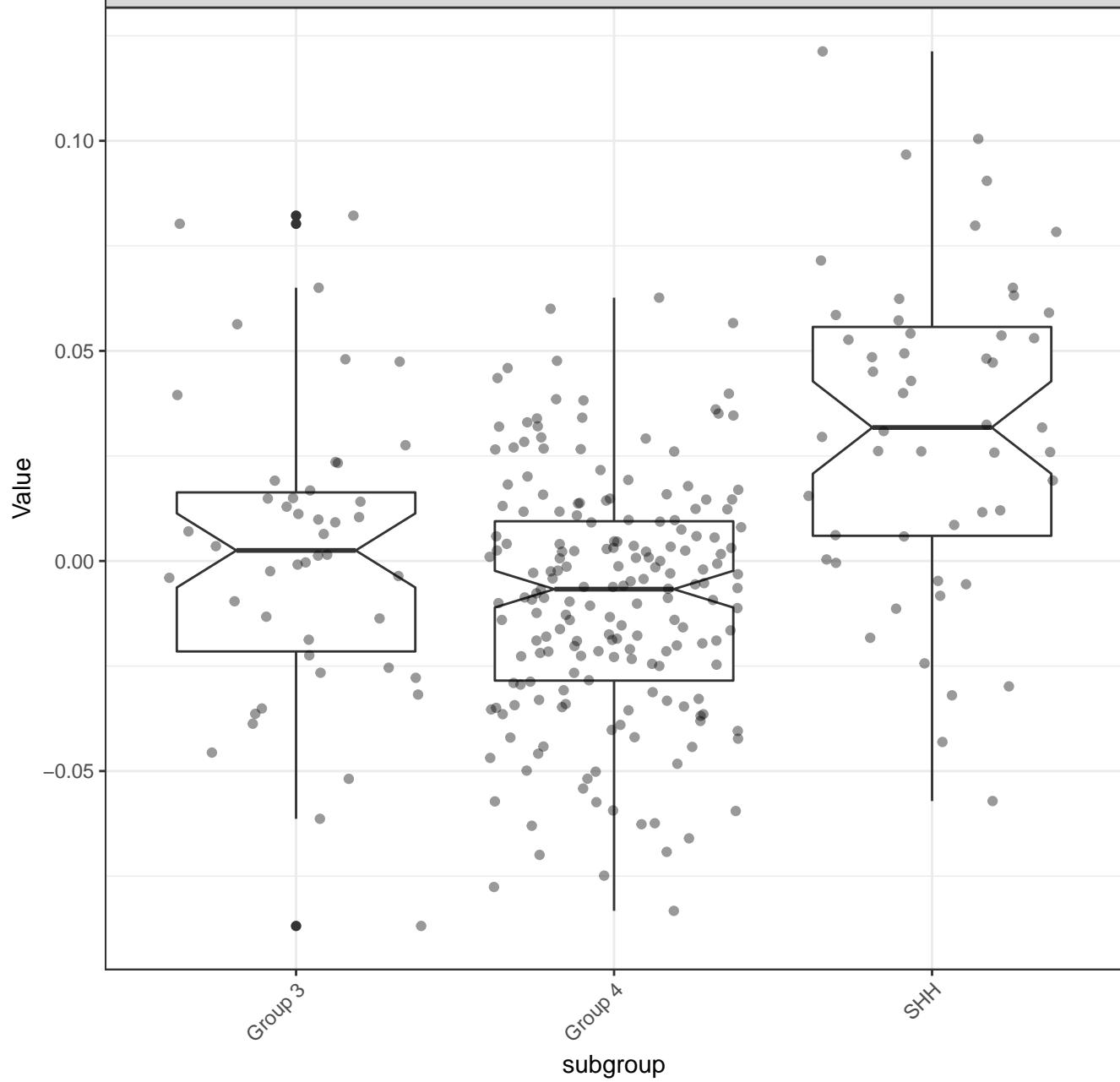
Group 3

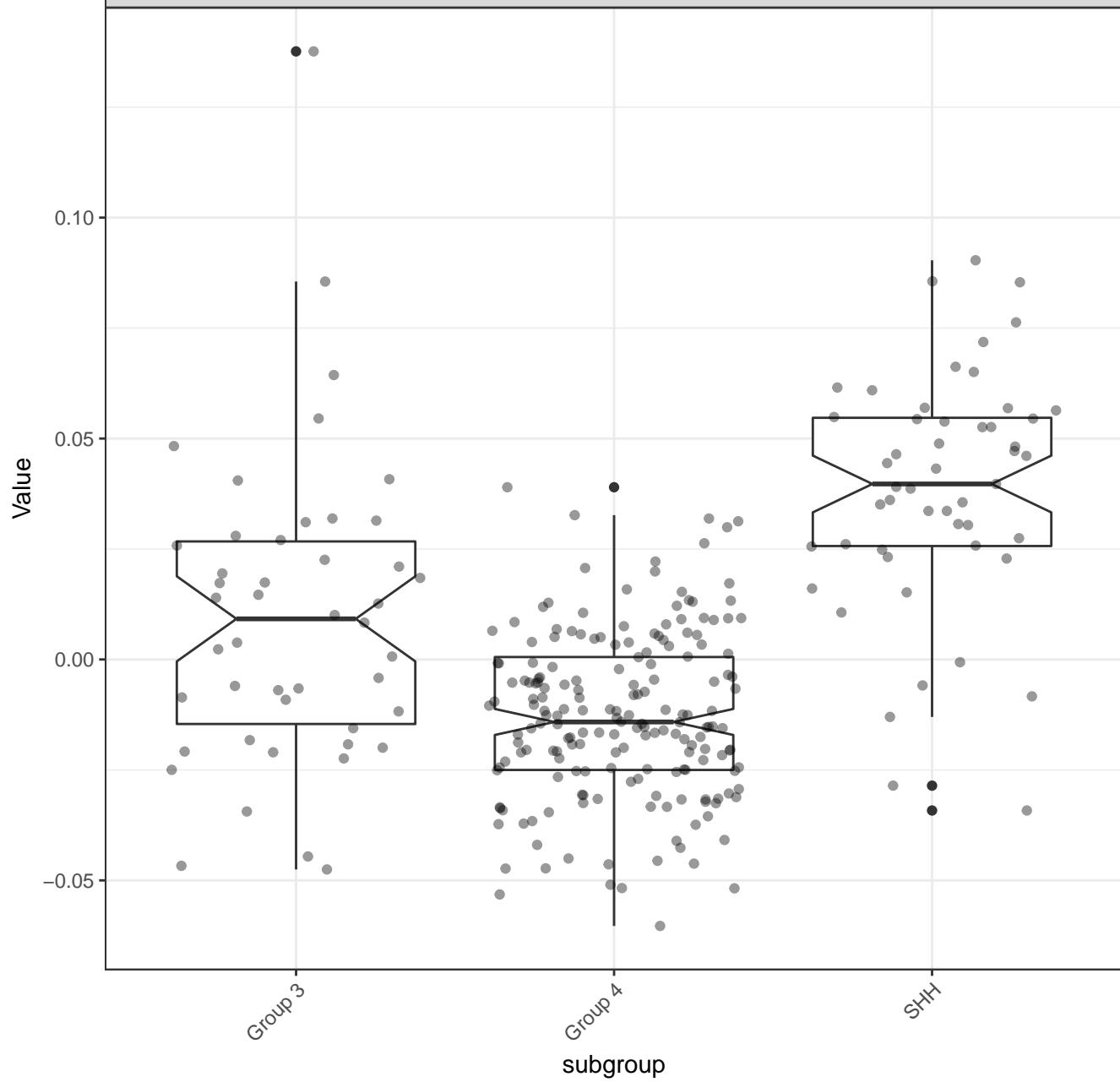
subgroup

Group 4

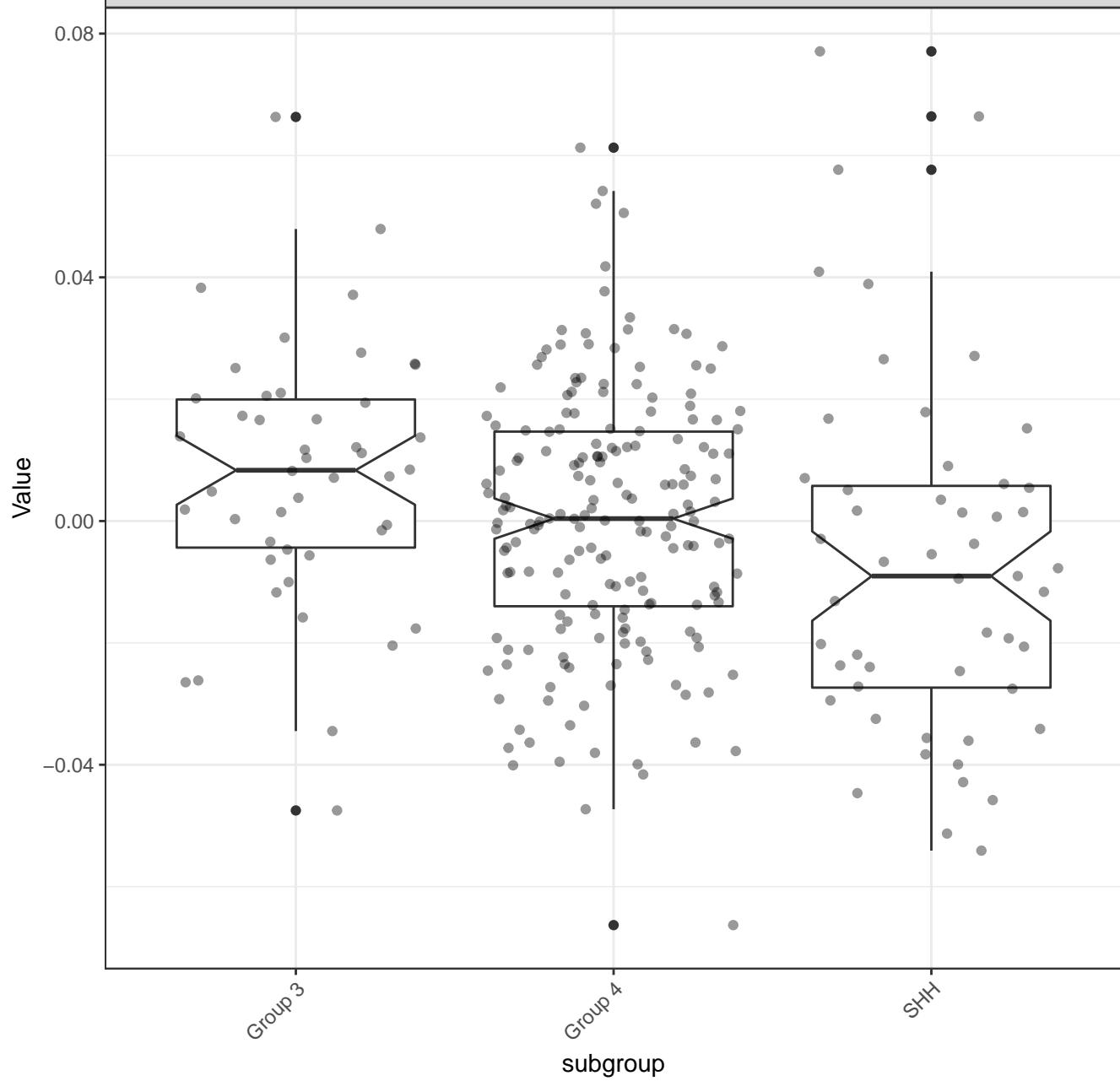
SHH







LV 148



Value

0.10

0.05

0.00

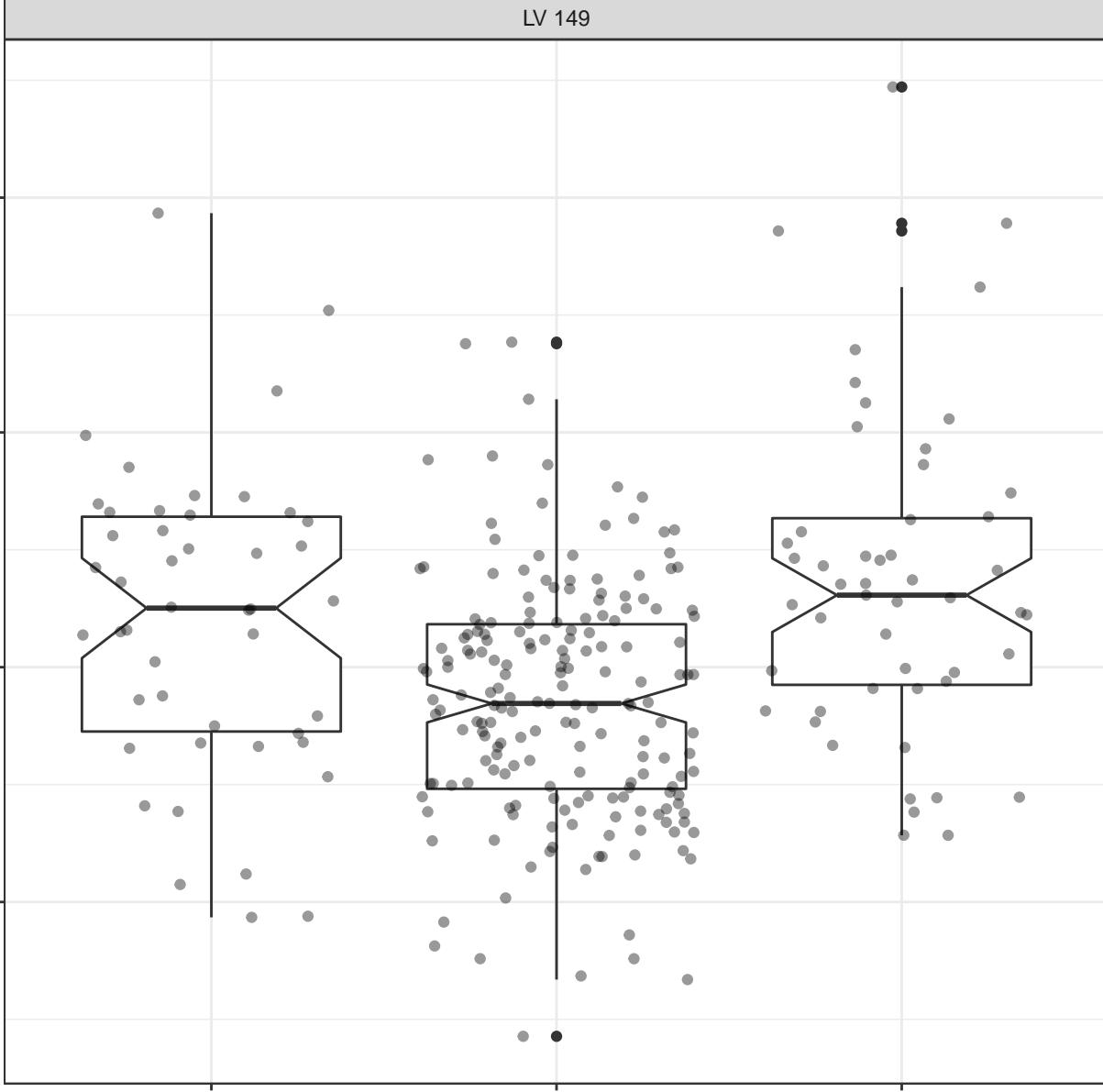
-0.05

Group 3

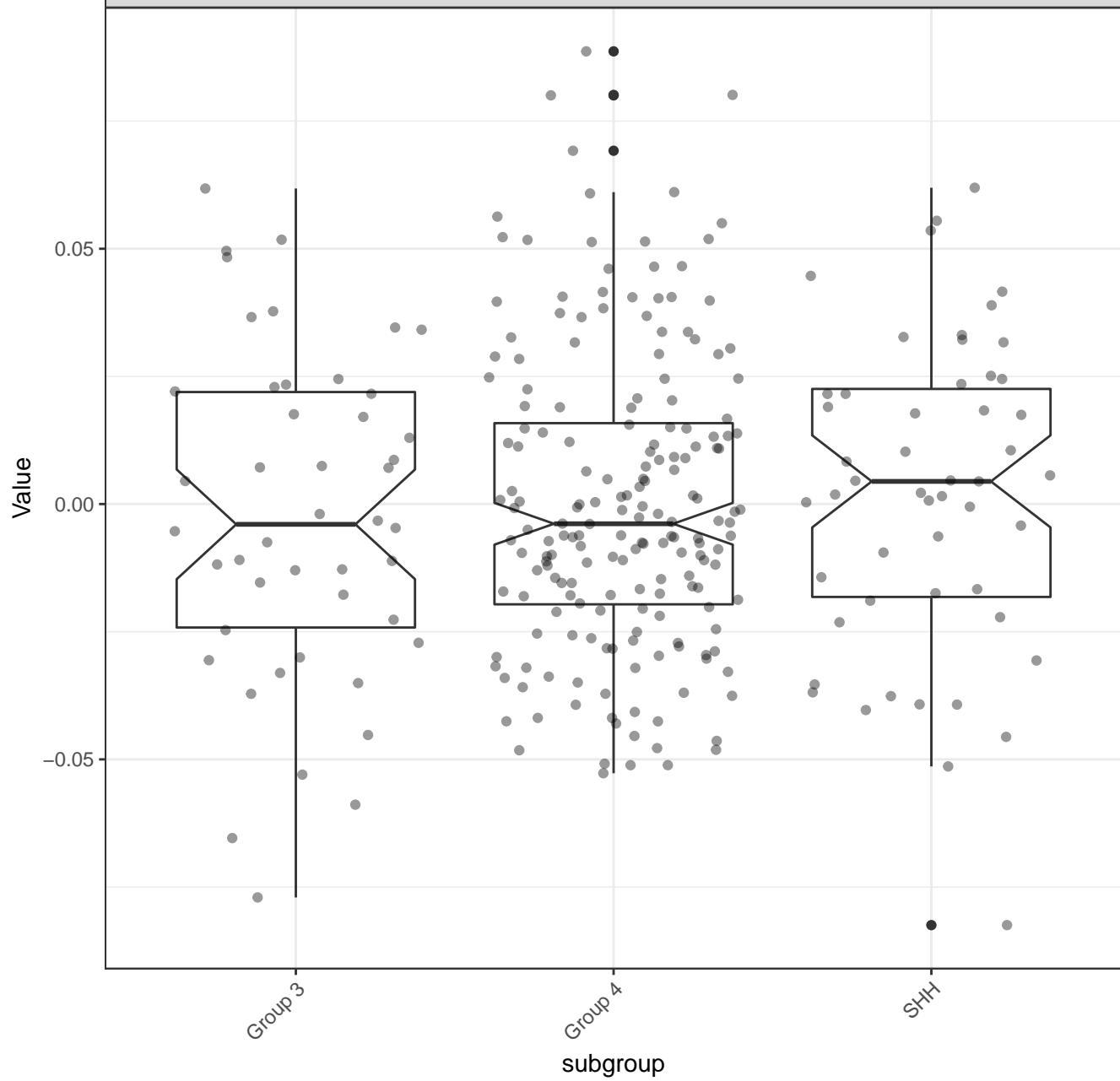
subgroup

Group 4

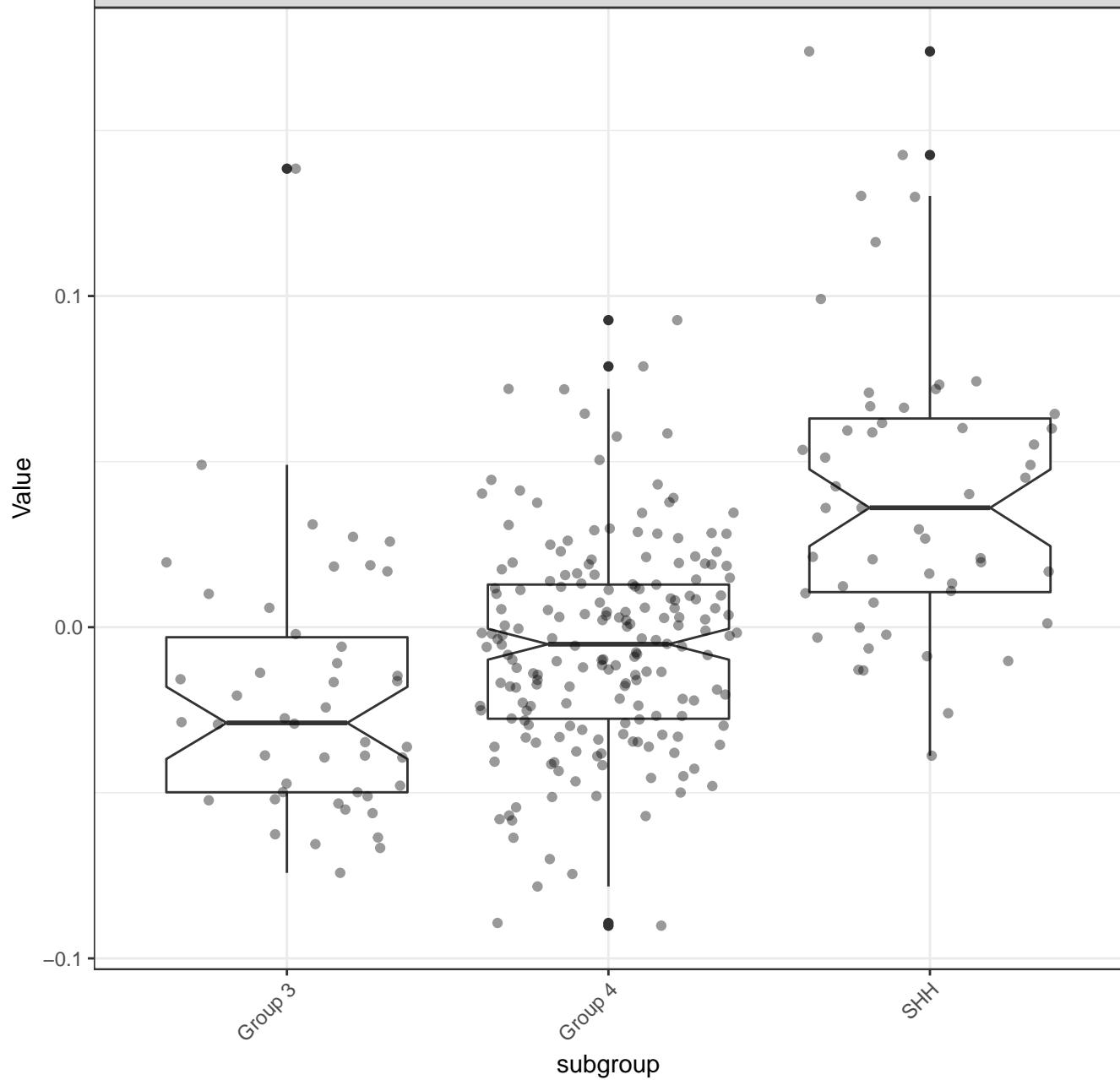
SHH

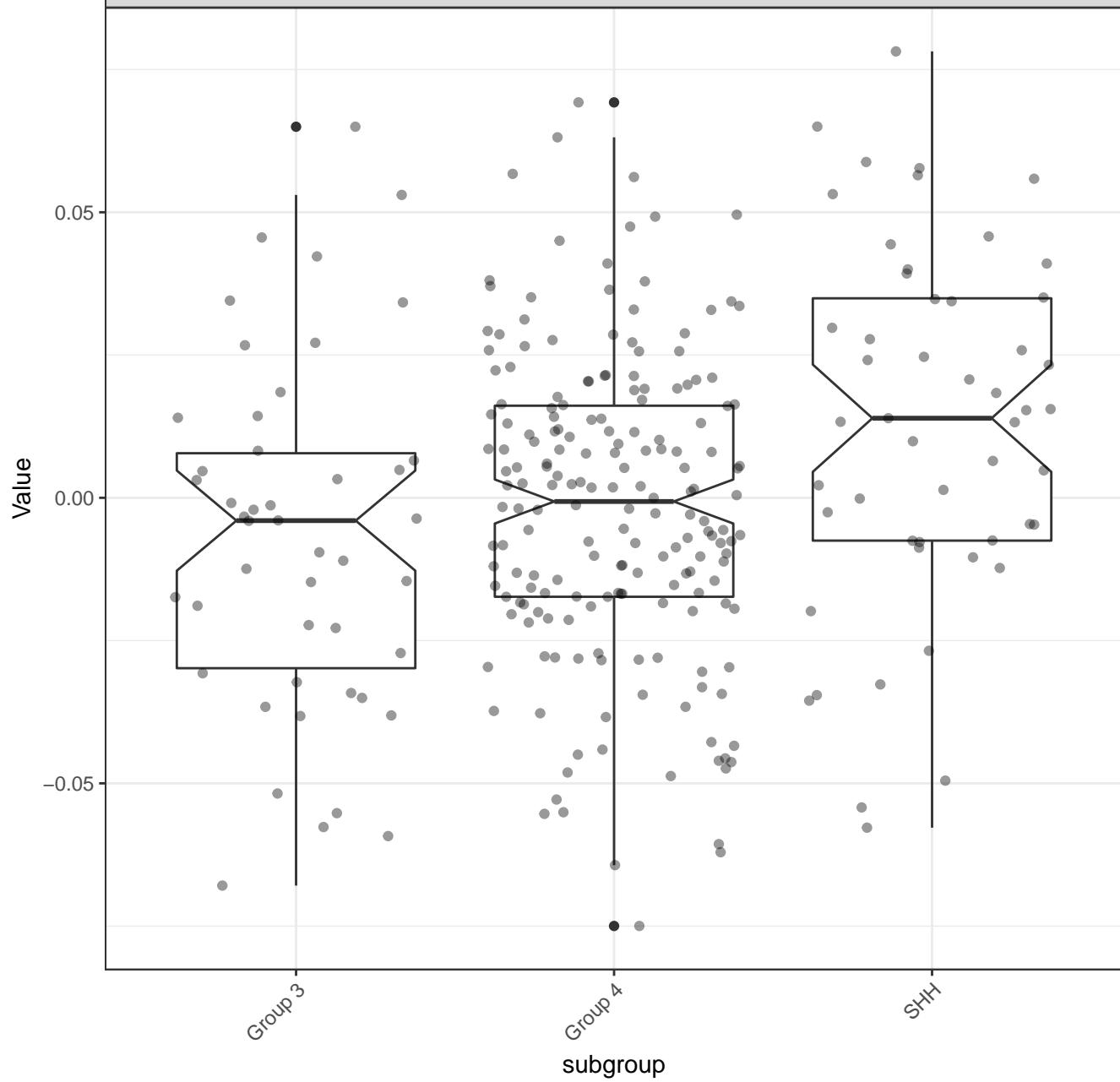


LV 150



LV 151





LV 153

Value

0.10

0.05

0.00

-0.05

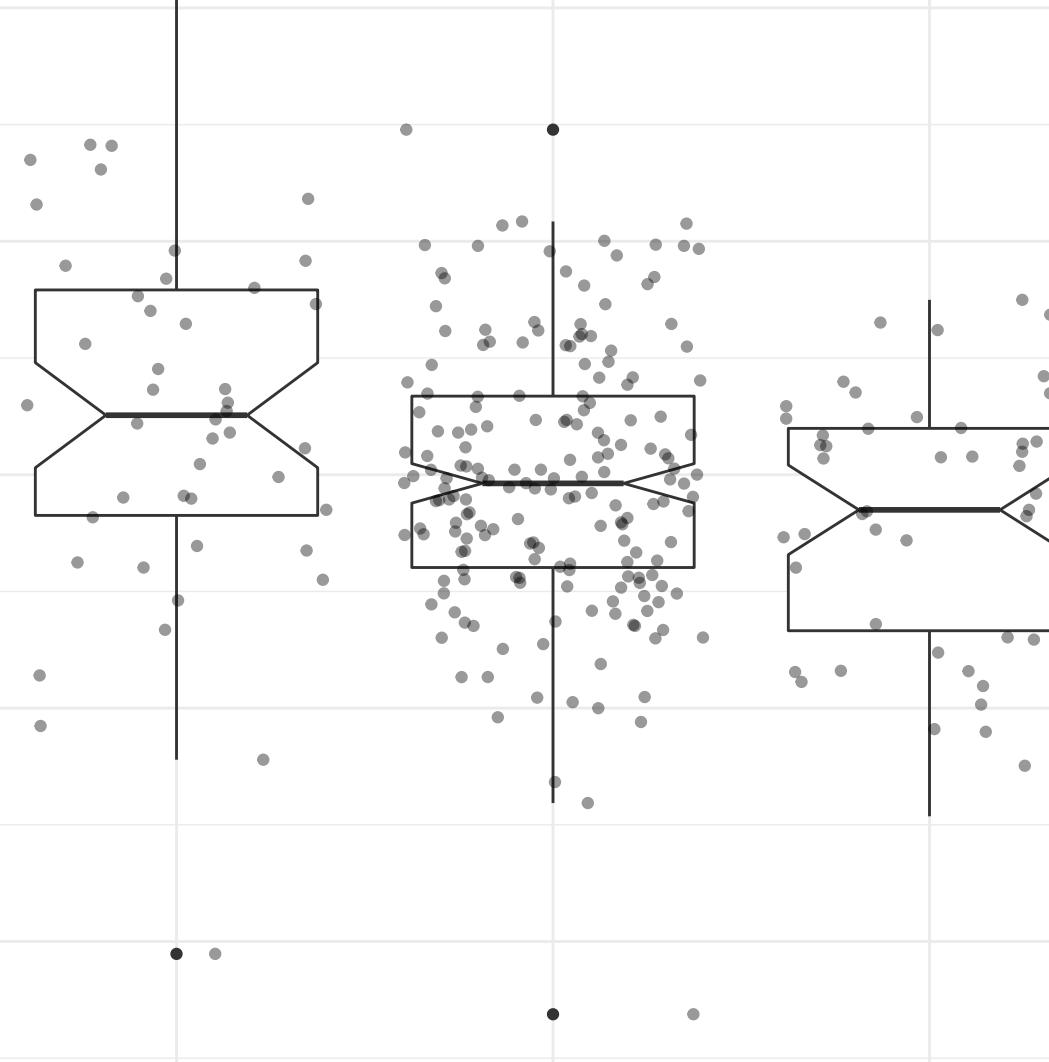
-0.10

Group 3

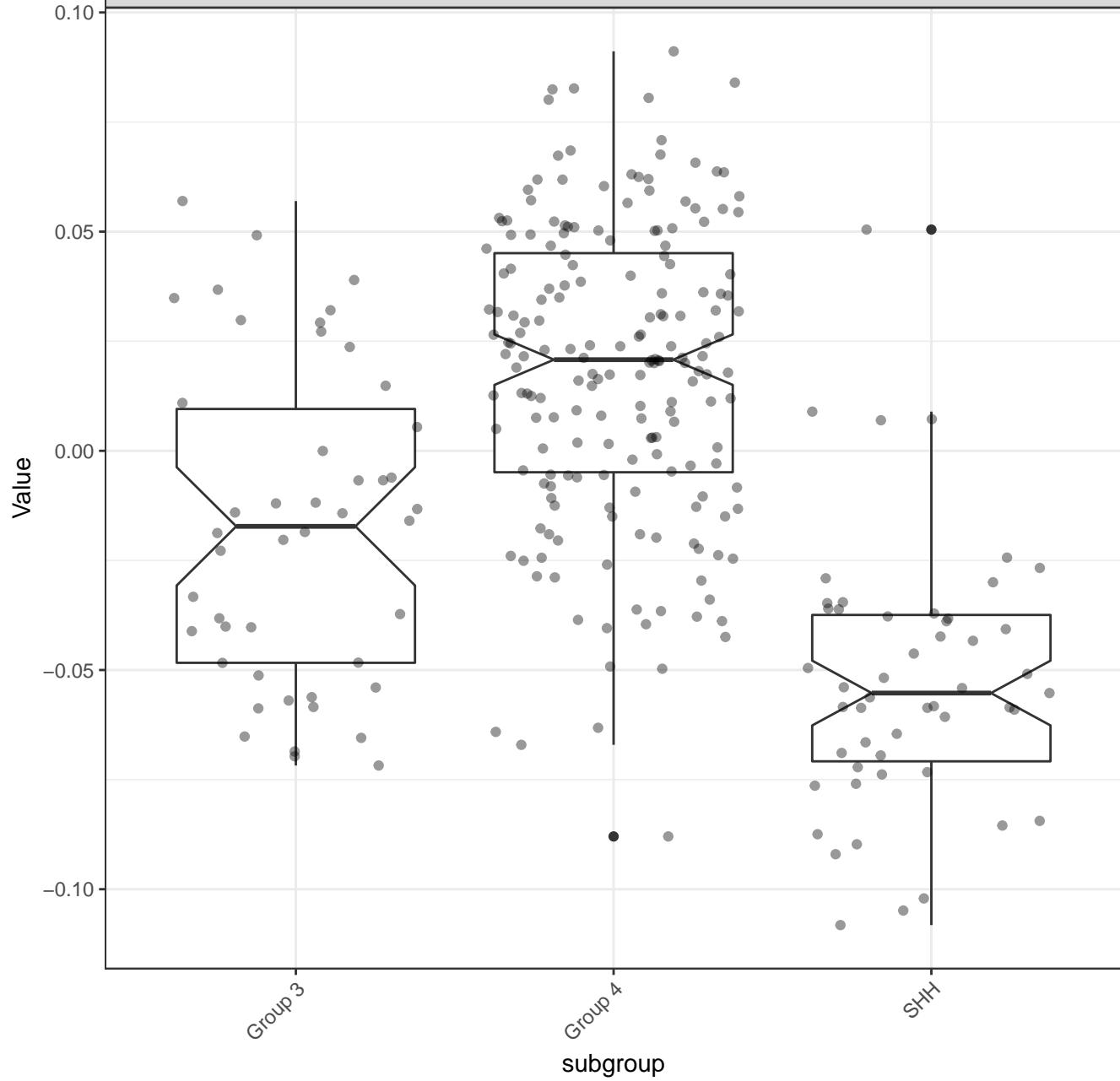
subgroup

SHH

Group 4



LV 154



LV 155

Value

0.10

0.05

0.00

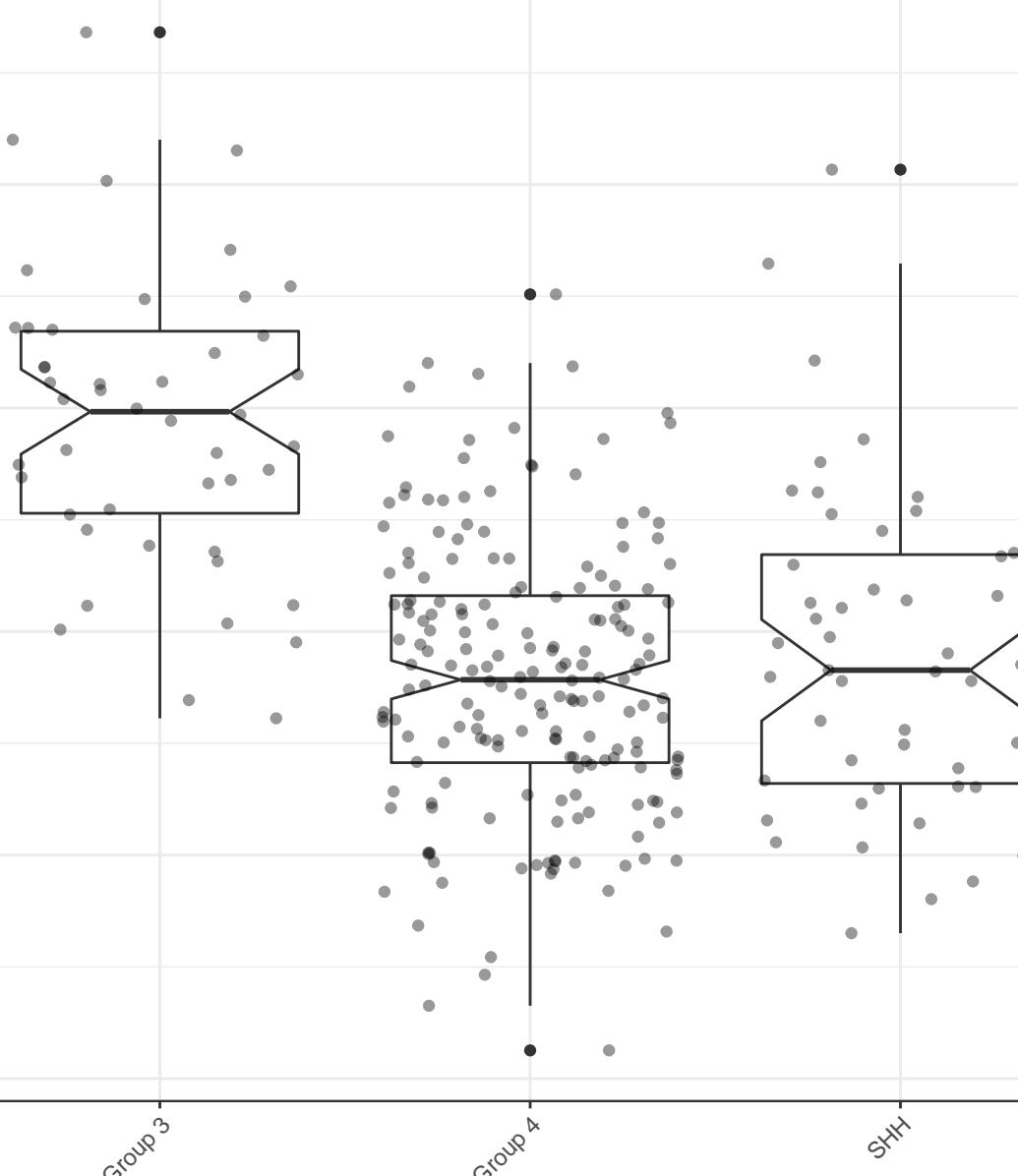
-0.05

-0.10

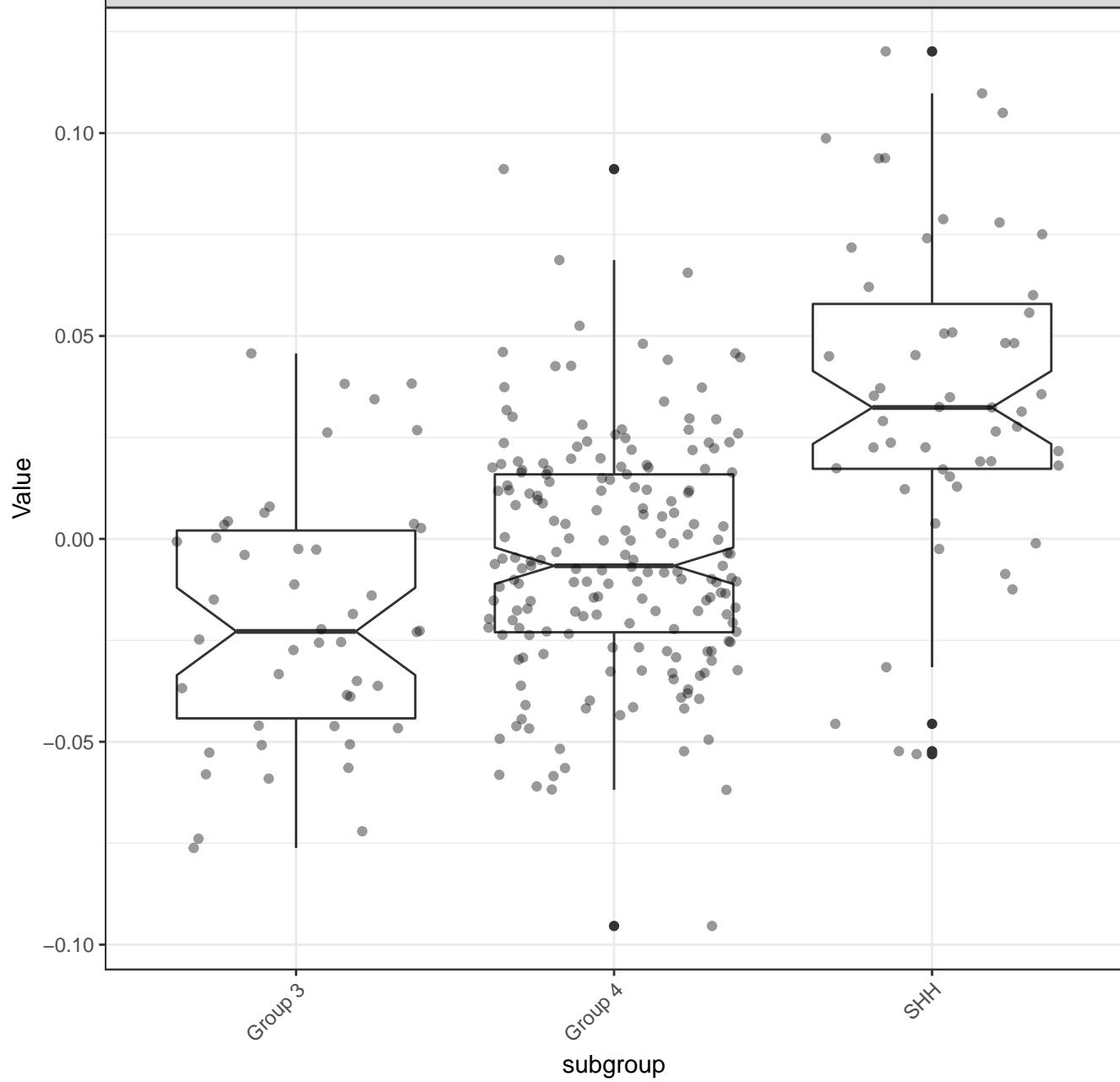
Group 3

subgroup

SHH



LV 156



LV 157

Value

0.05

0.00

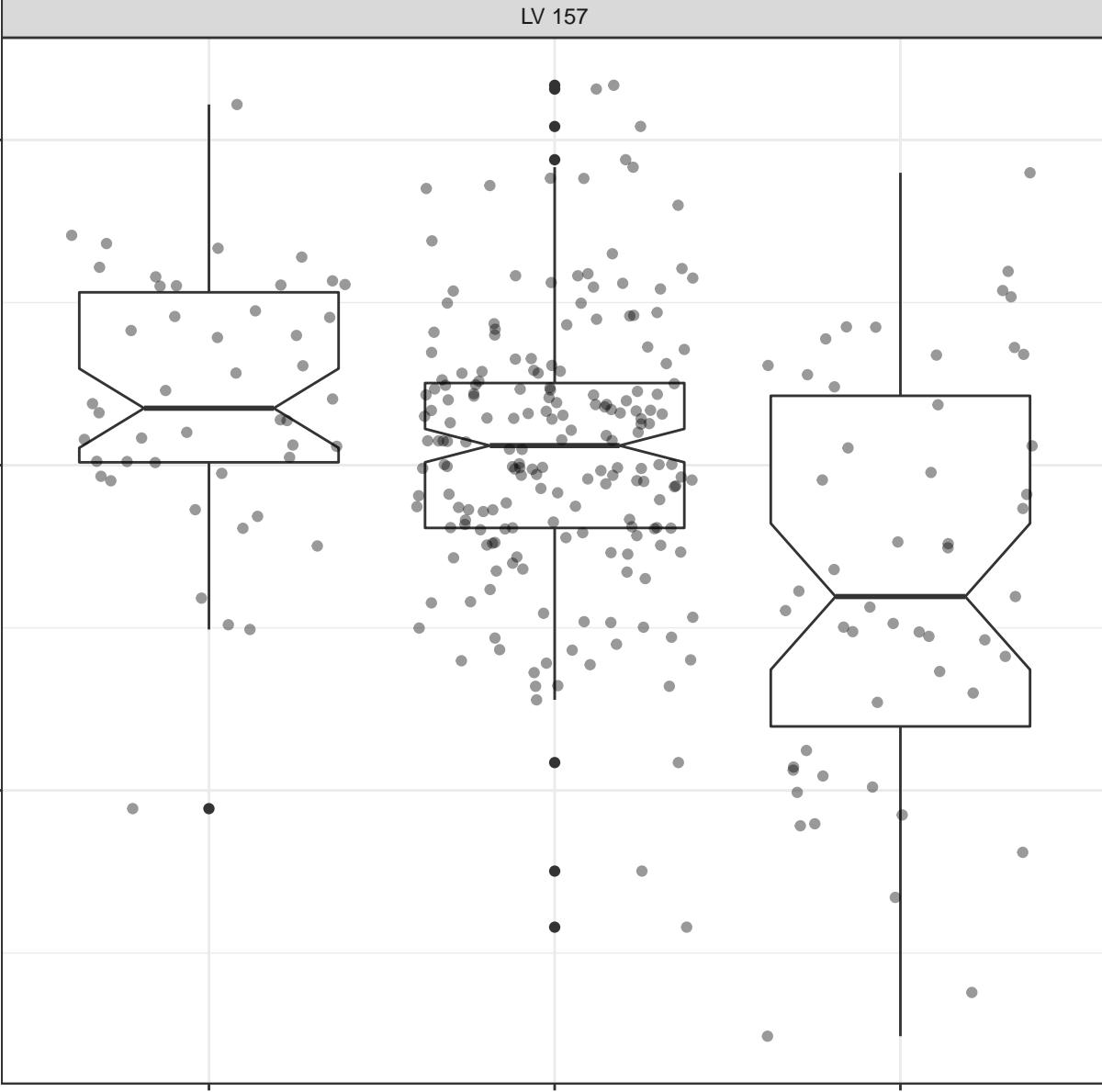
-0.05

Group 3

Group 4

SHH

subgroup



LV 158

Value

0.10

0.05

0.00

-0.05

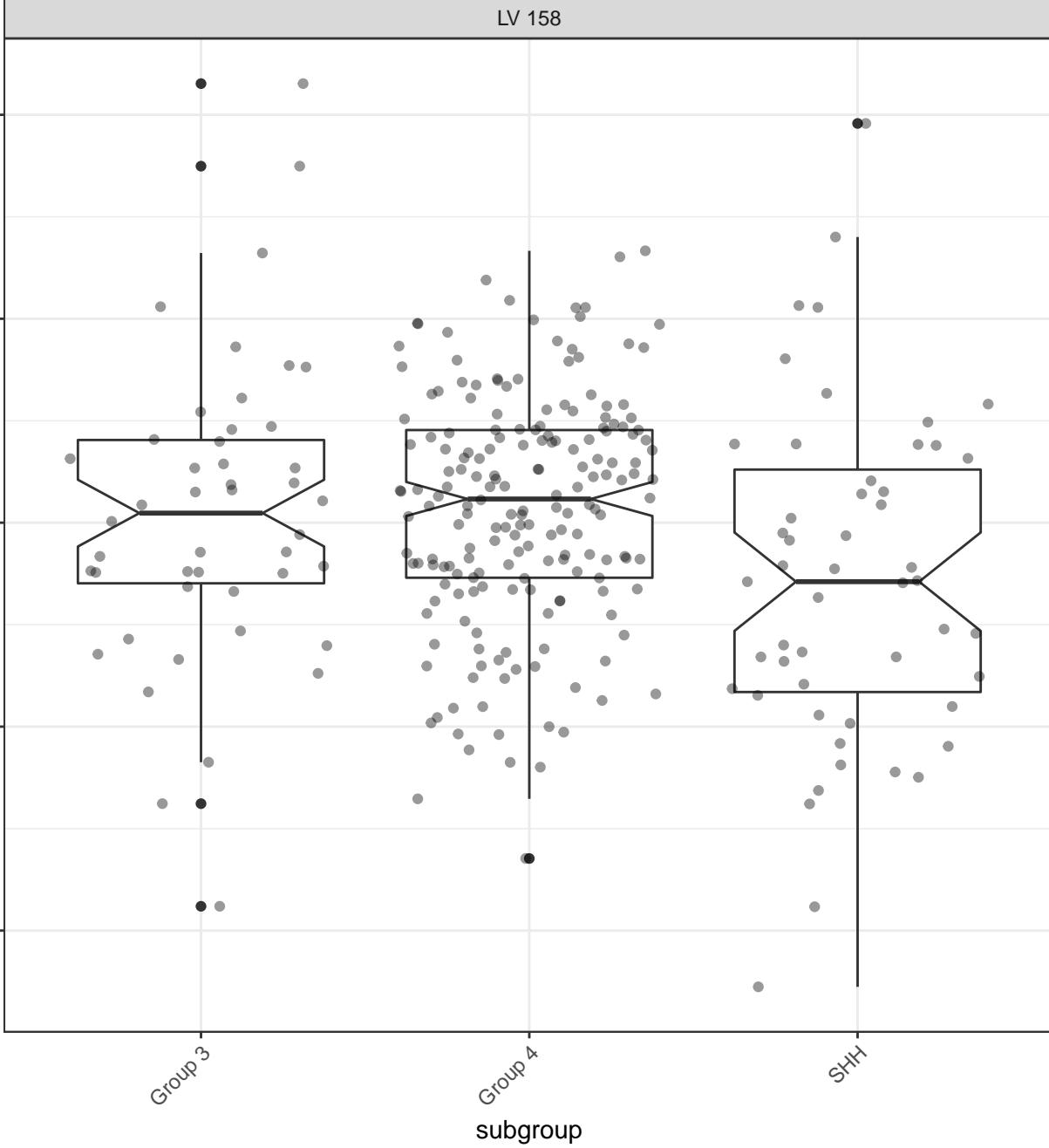
-0.10

Group 3

Group 4

SHH

subgroup



LV 159

Value

0.3

0.2

0.1

0.0

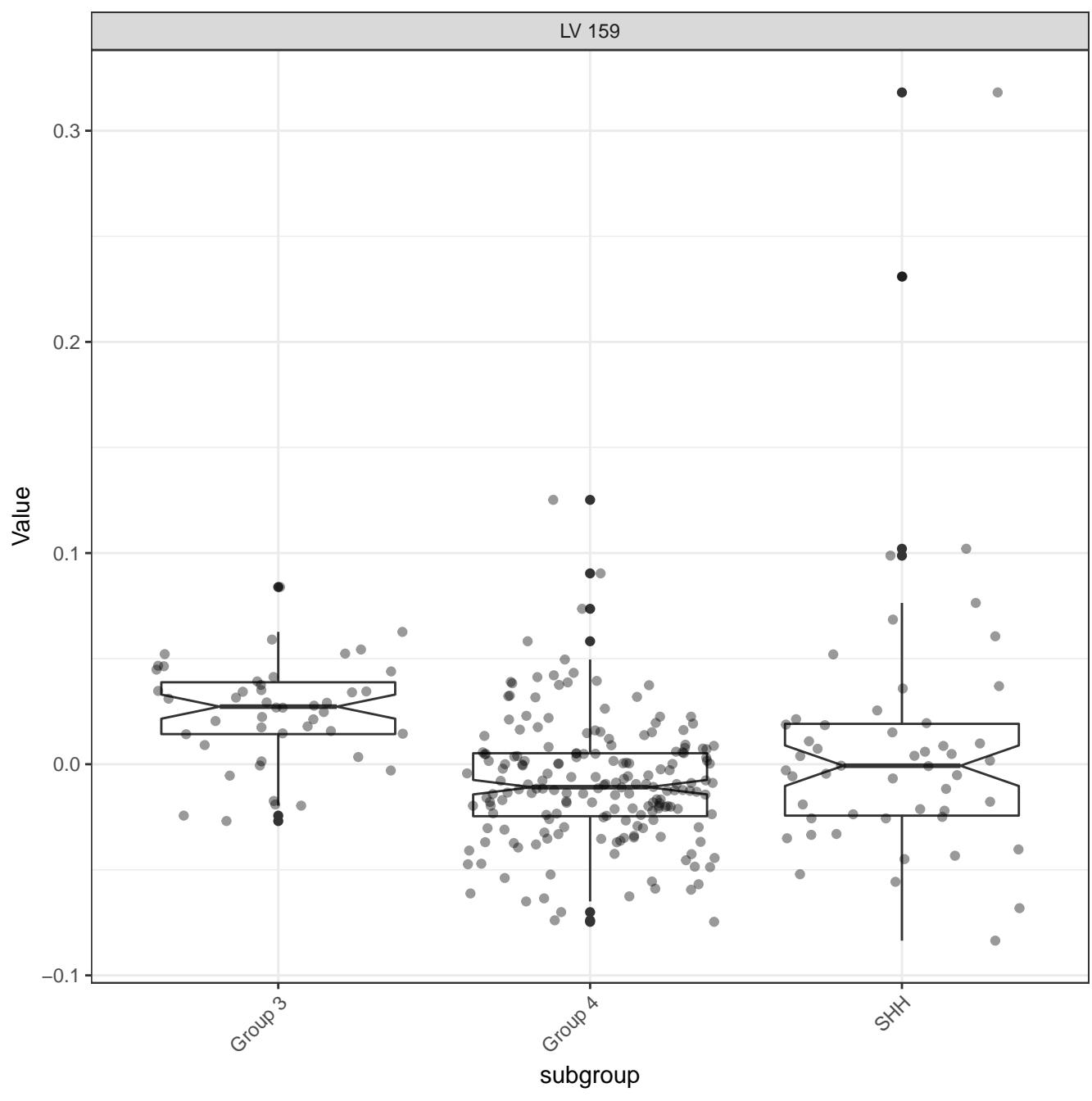
-0.1

Group 3

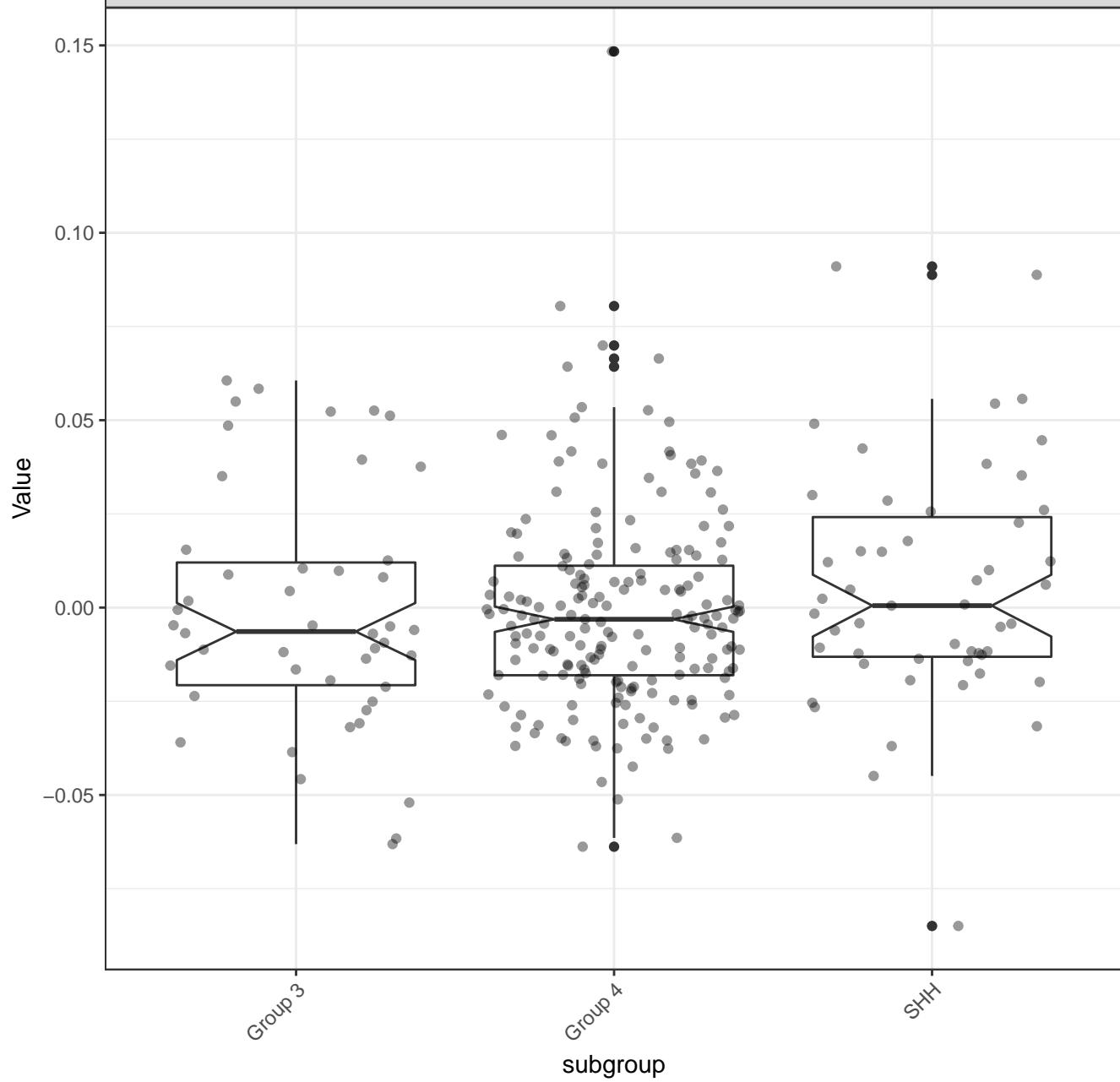
Group 4

SHH

subgroup

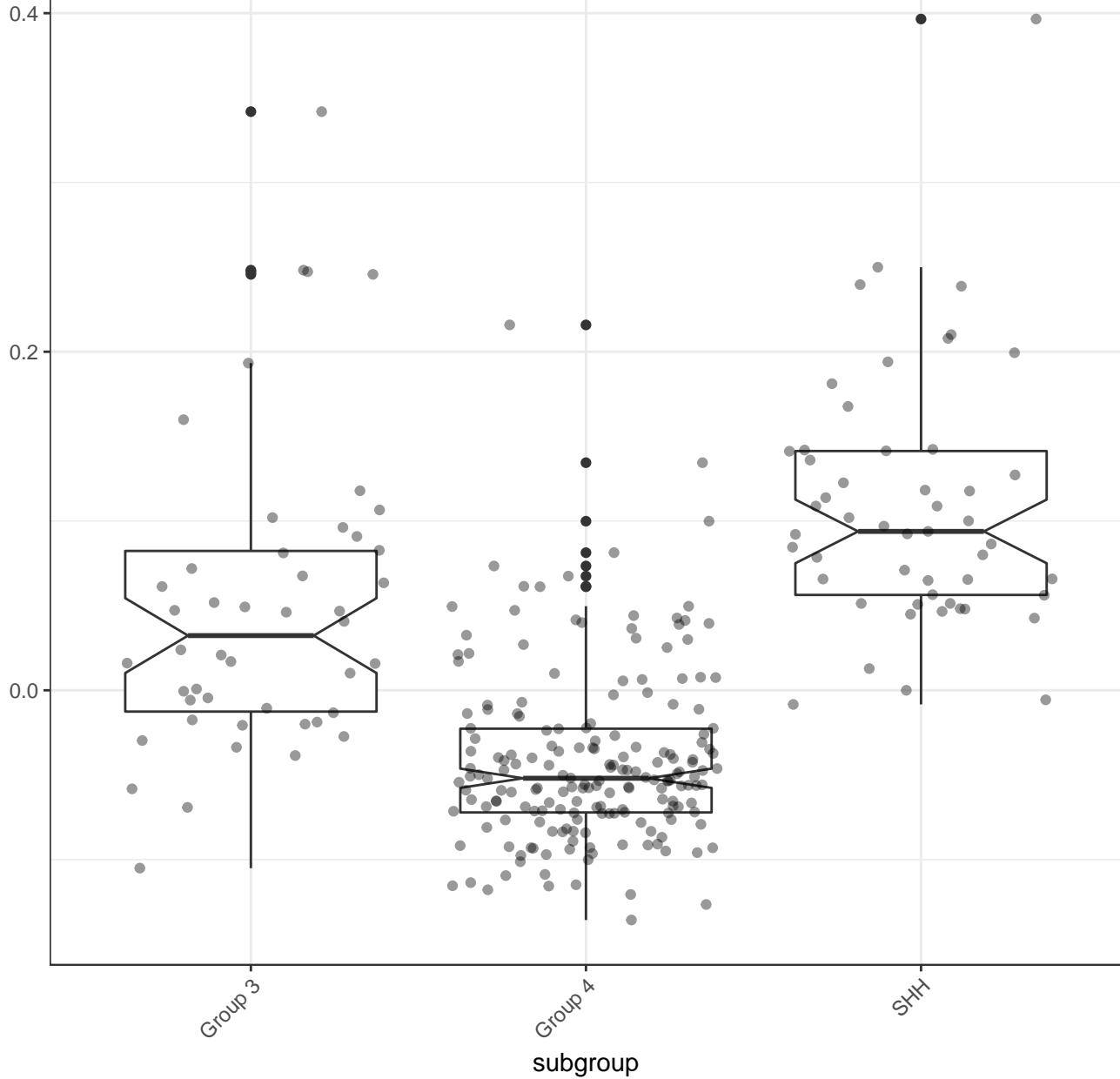


LV 160

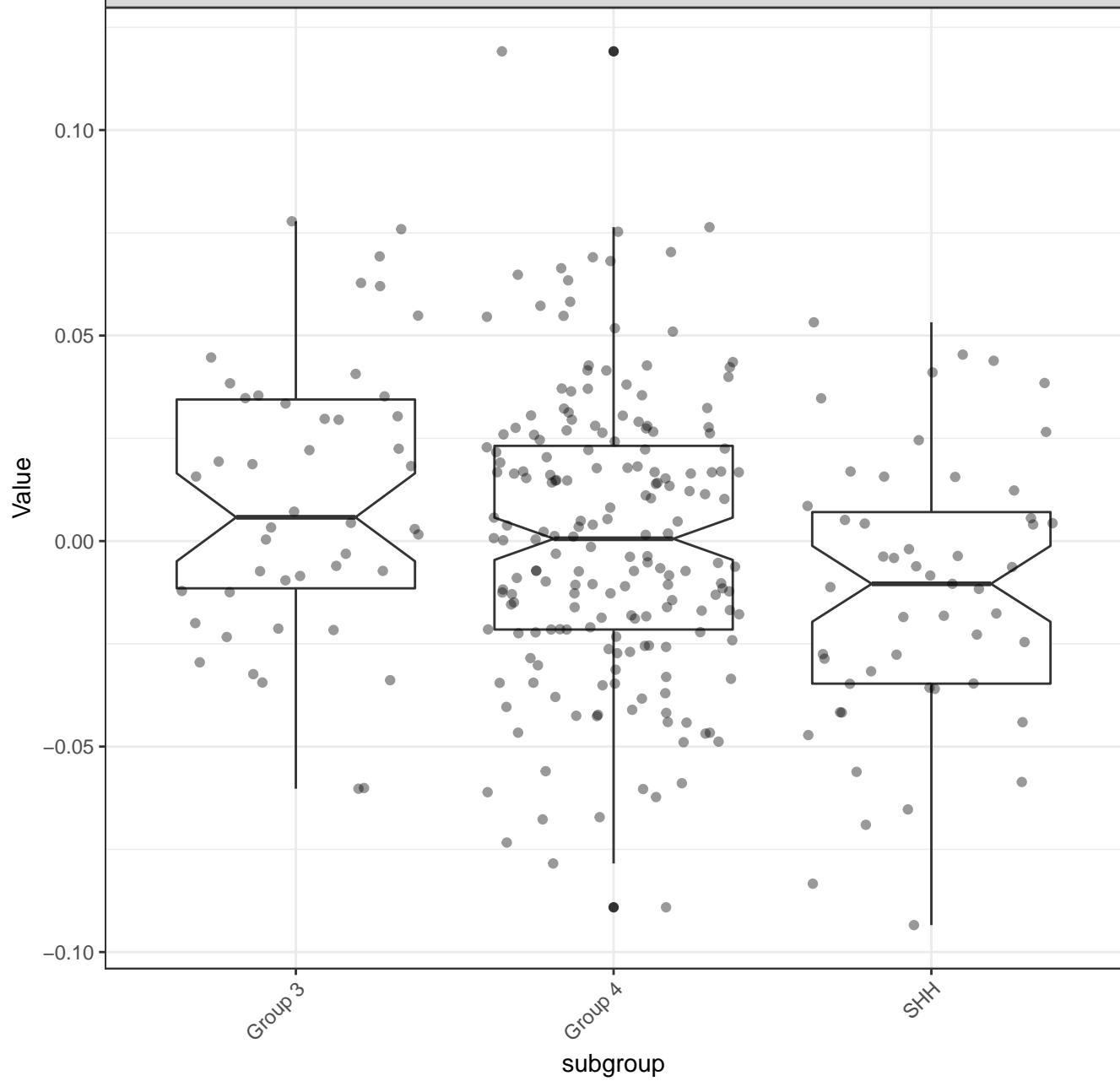


161,REACTOME_TRNA_AMINOACYLATION

Value



LV 162



LV 163

Value

0.4

0.3

0.2

0.1

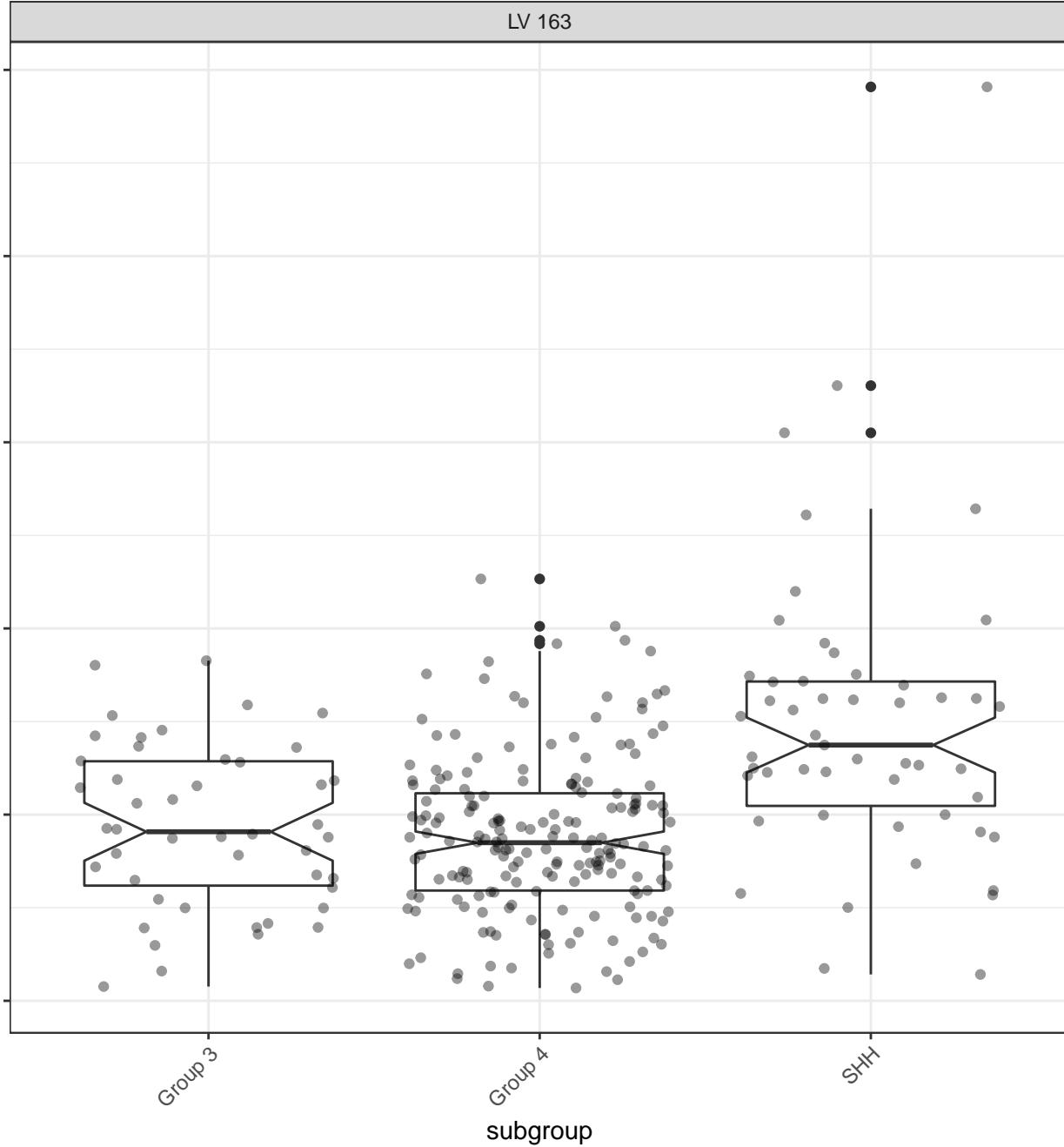
0.0

-0.1

Group³Group⁴

SHH

subgroup



LV 164

Value

0.10

0.05

0.00

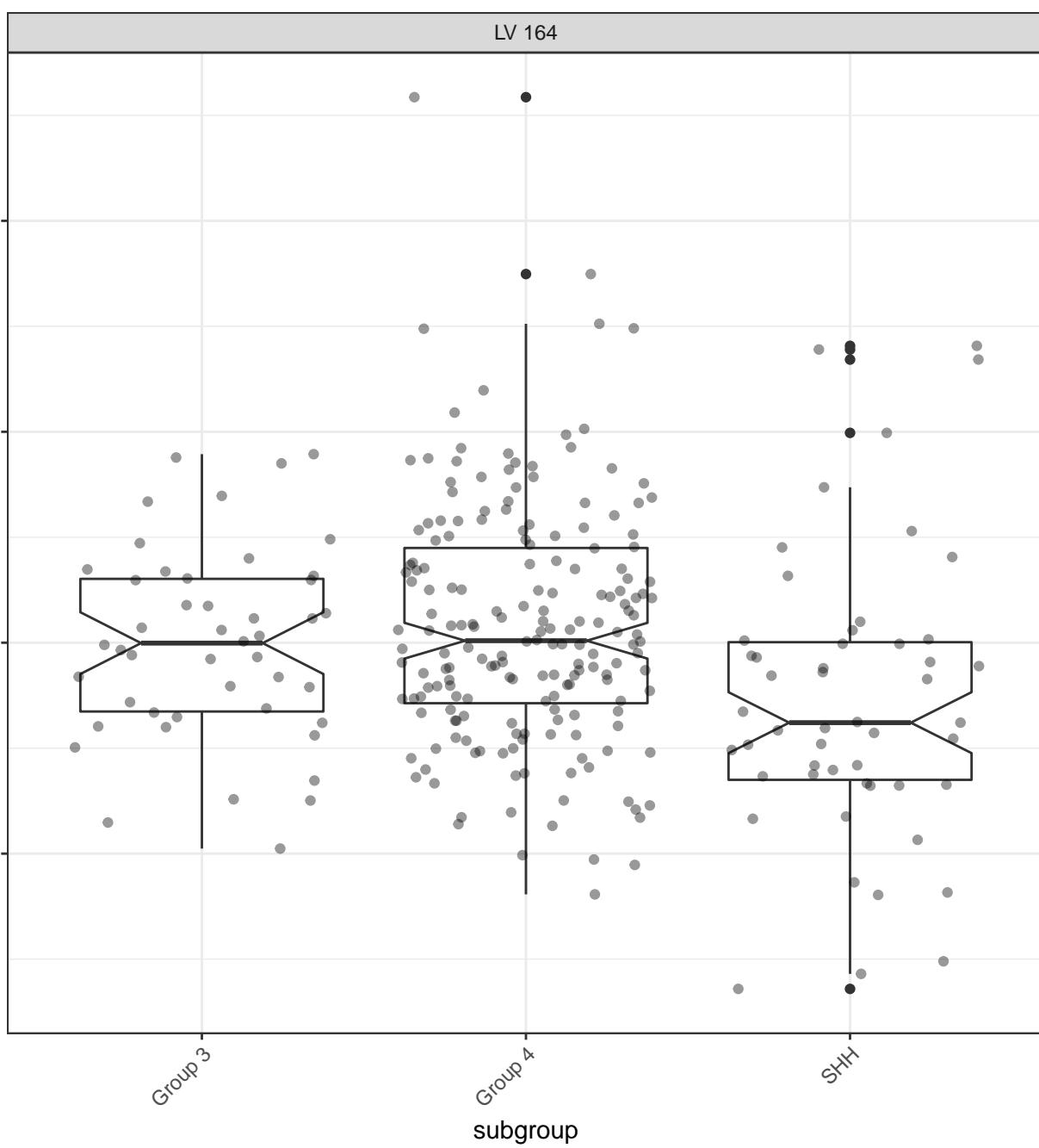
-0.05

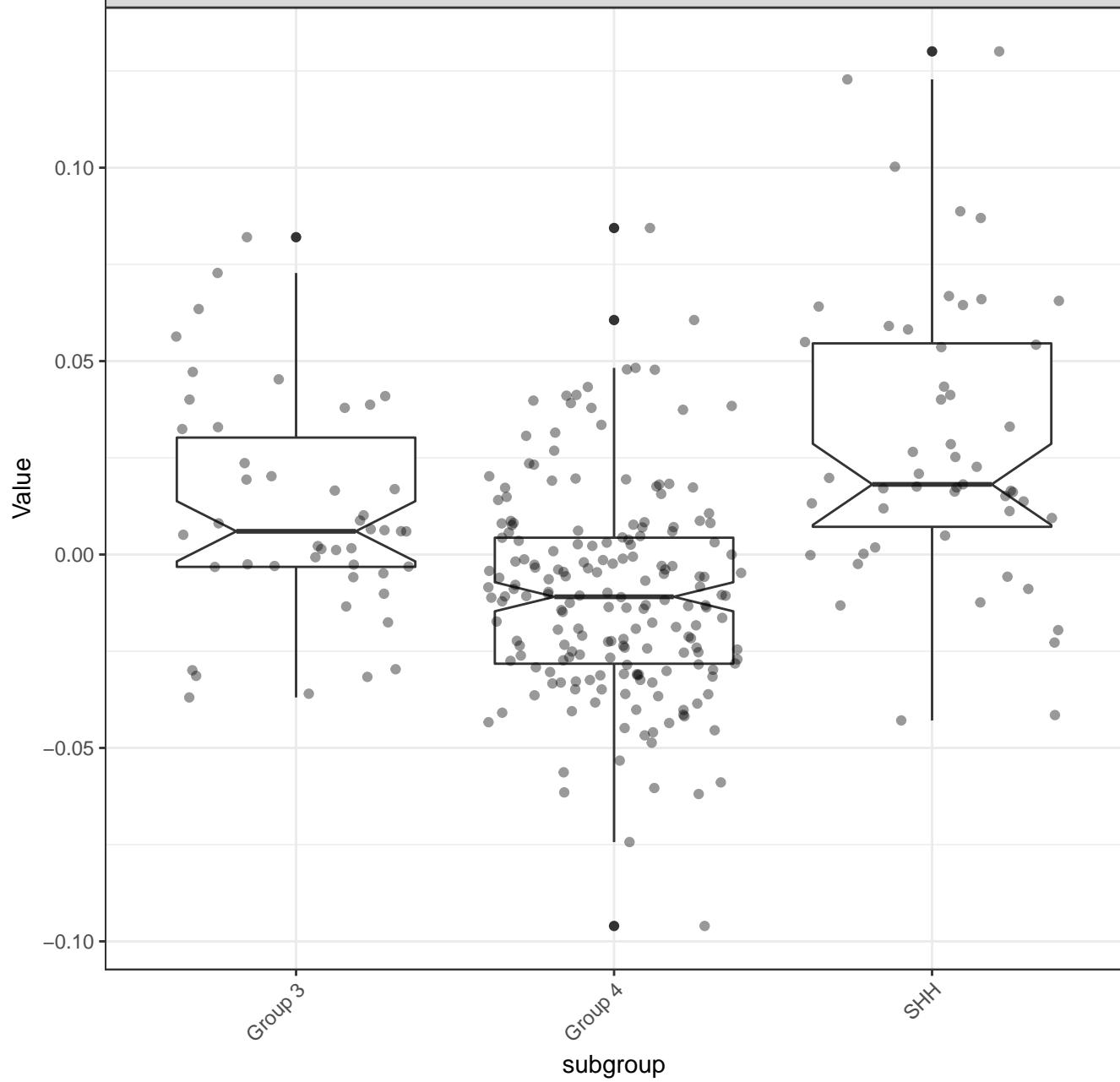
Group 3

subgroup

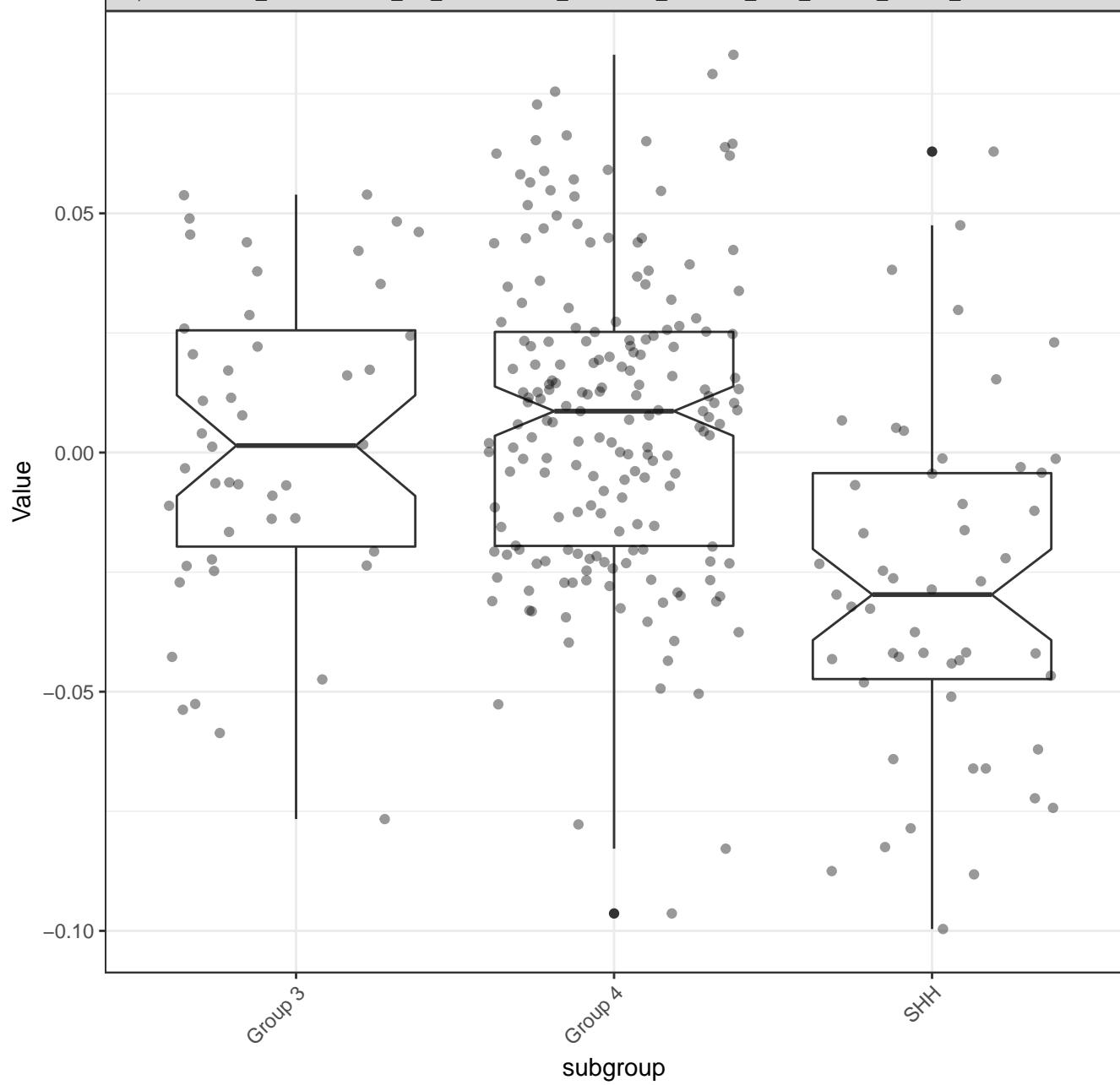
Group 4

SHH

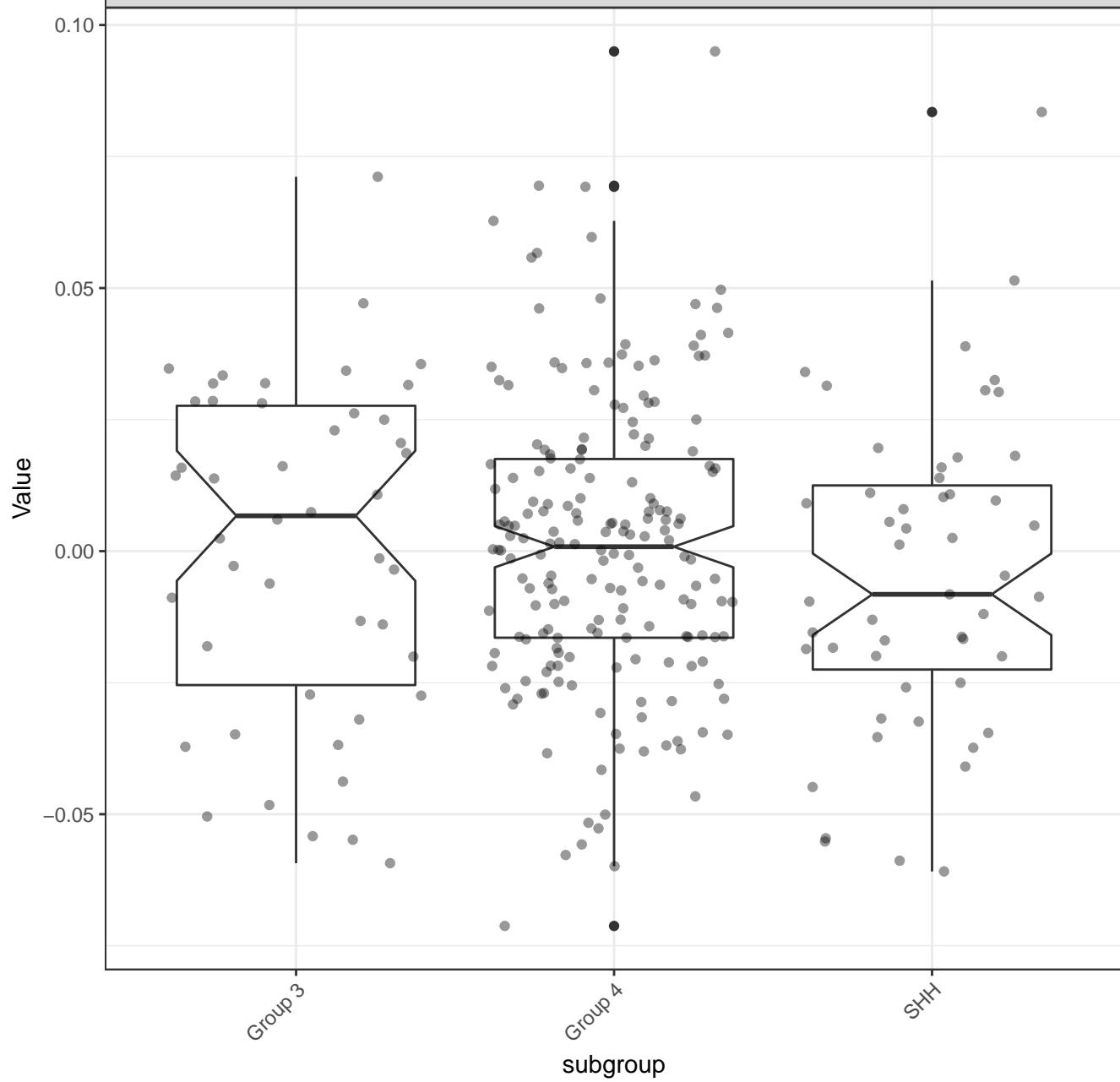




166,REACTOME_TRANSPORT_OF_INORGANIC_CATIONS_ANIONS_AND_AMINO_ACIDS_OLIGOPEPTIDES



LV 167



LV 168

Value

0.15

0.10

0.05

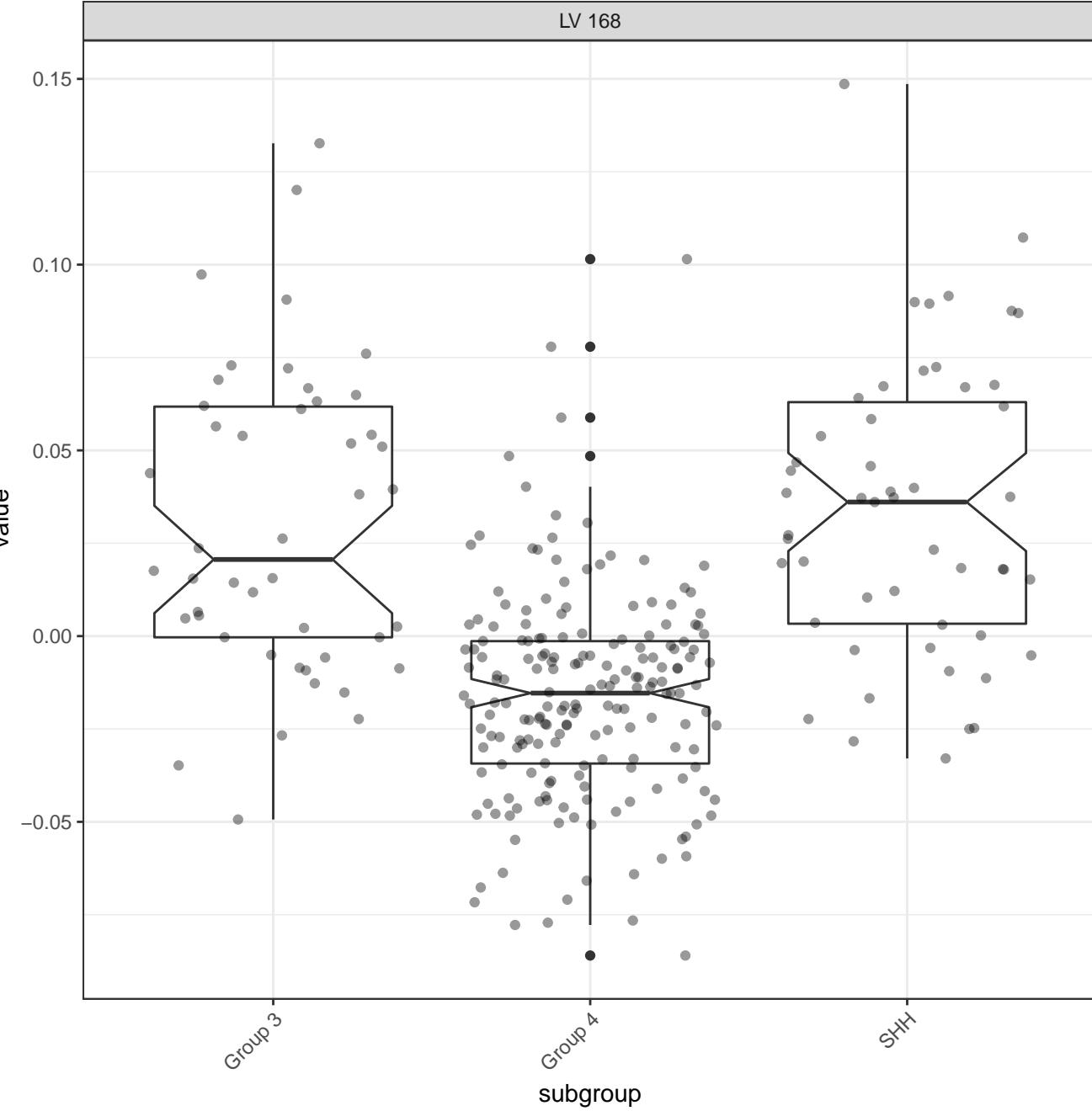
0.00

-0.05

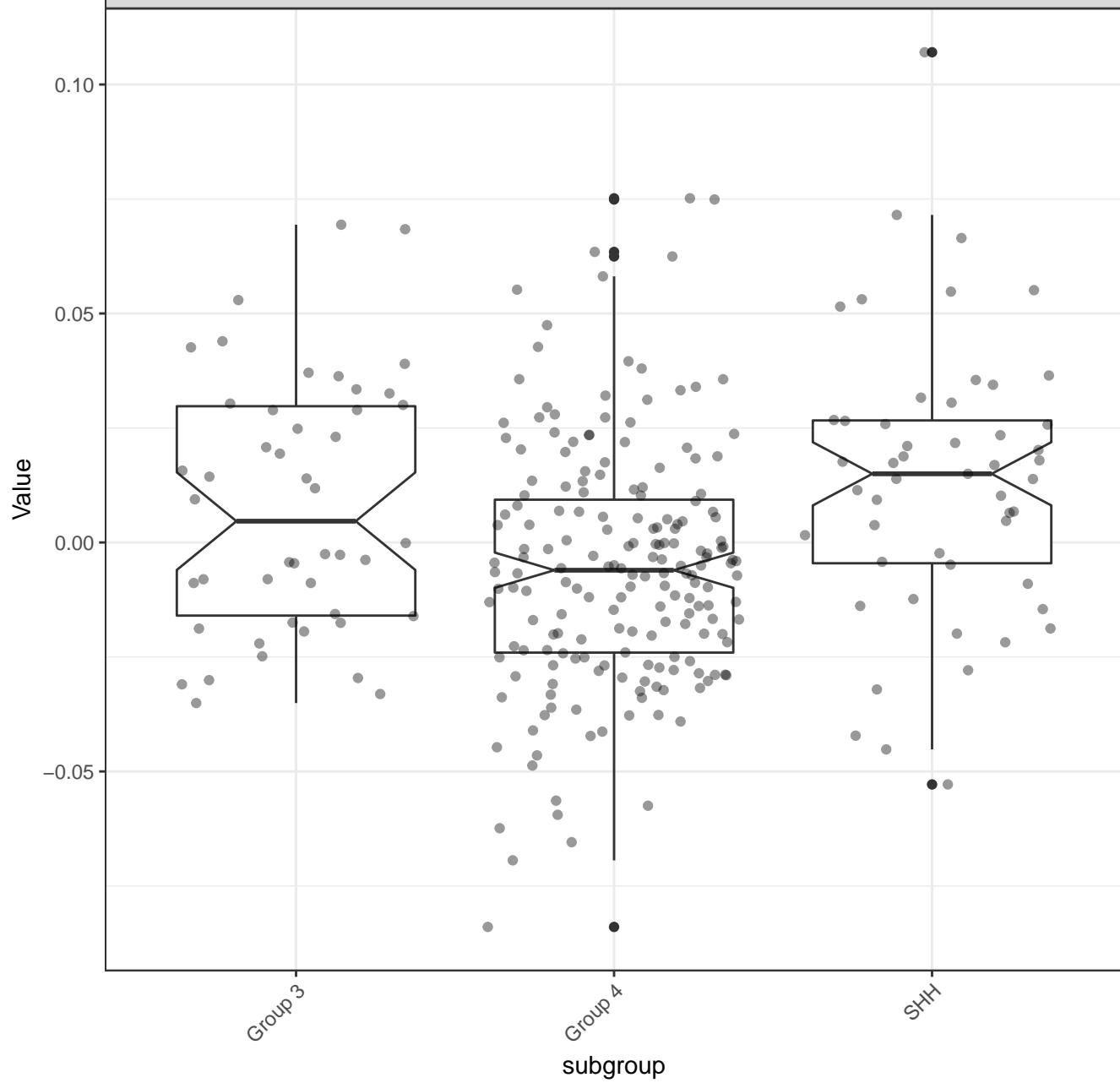
Group 3

subgroup

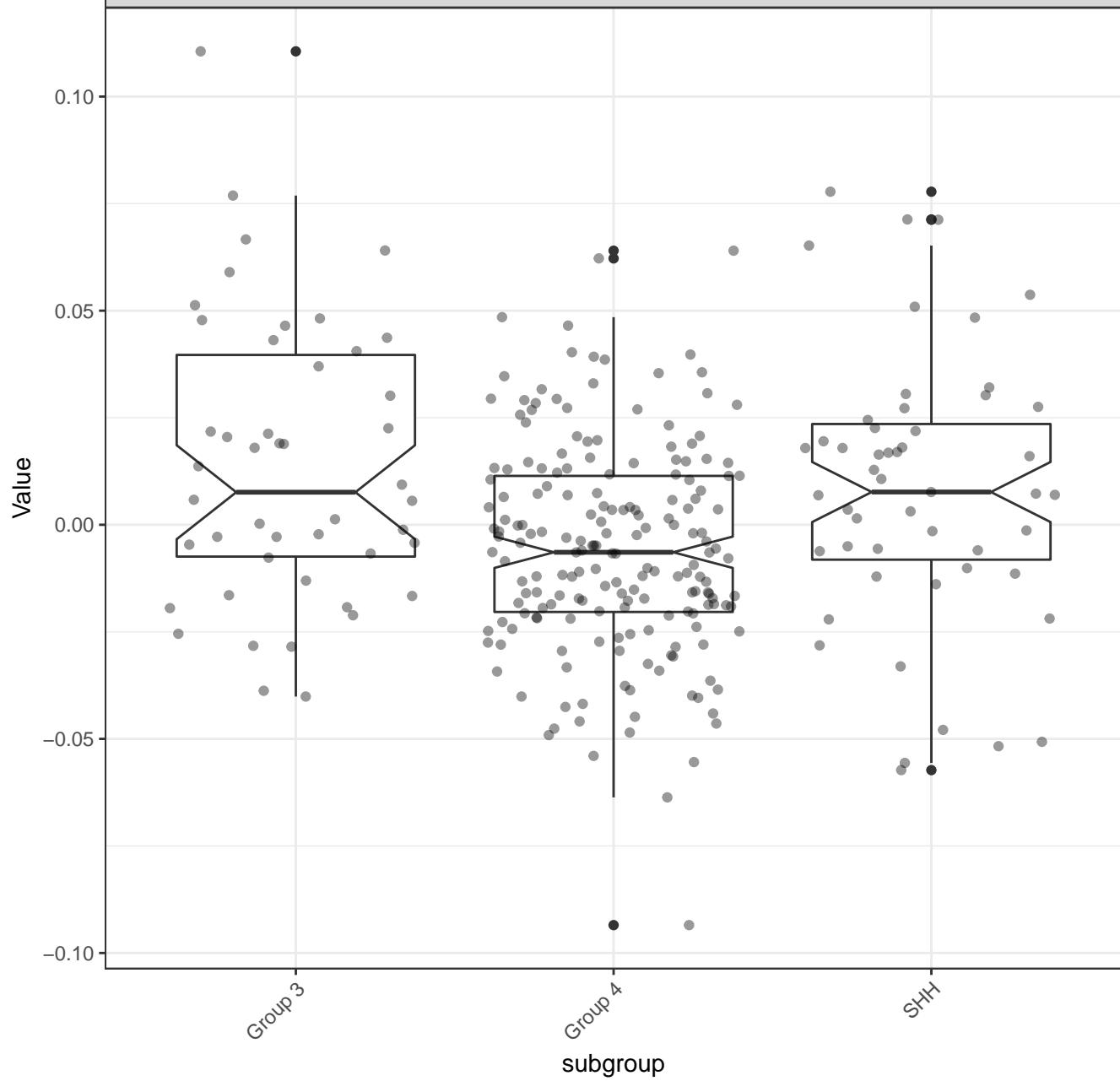
SHH



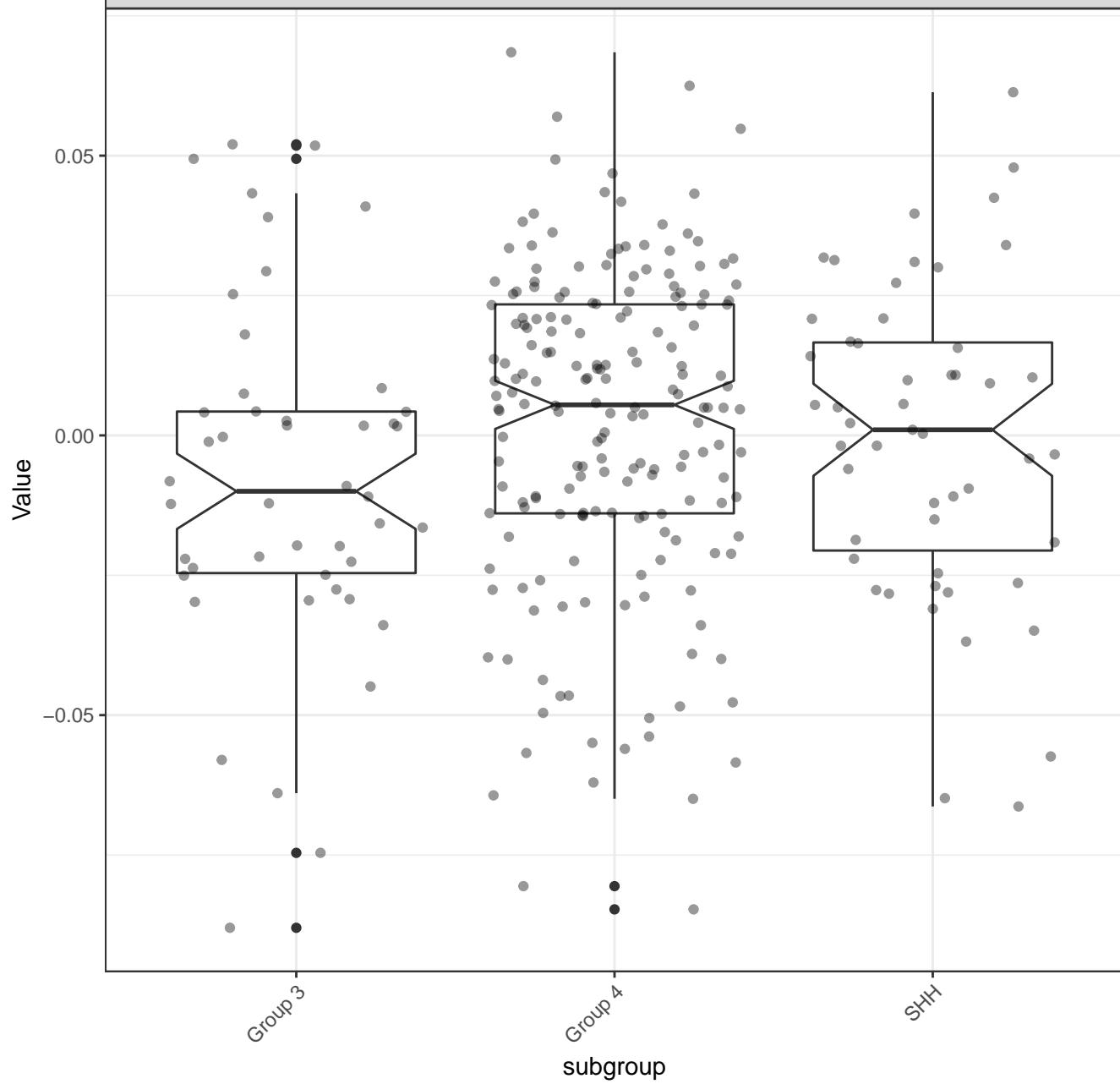
LV 169



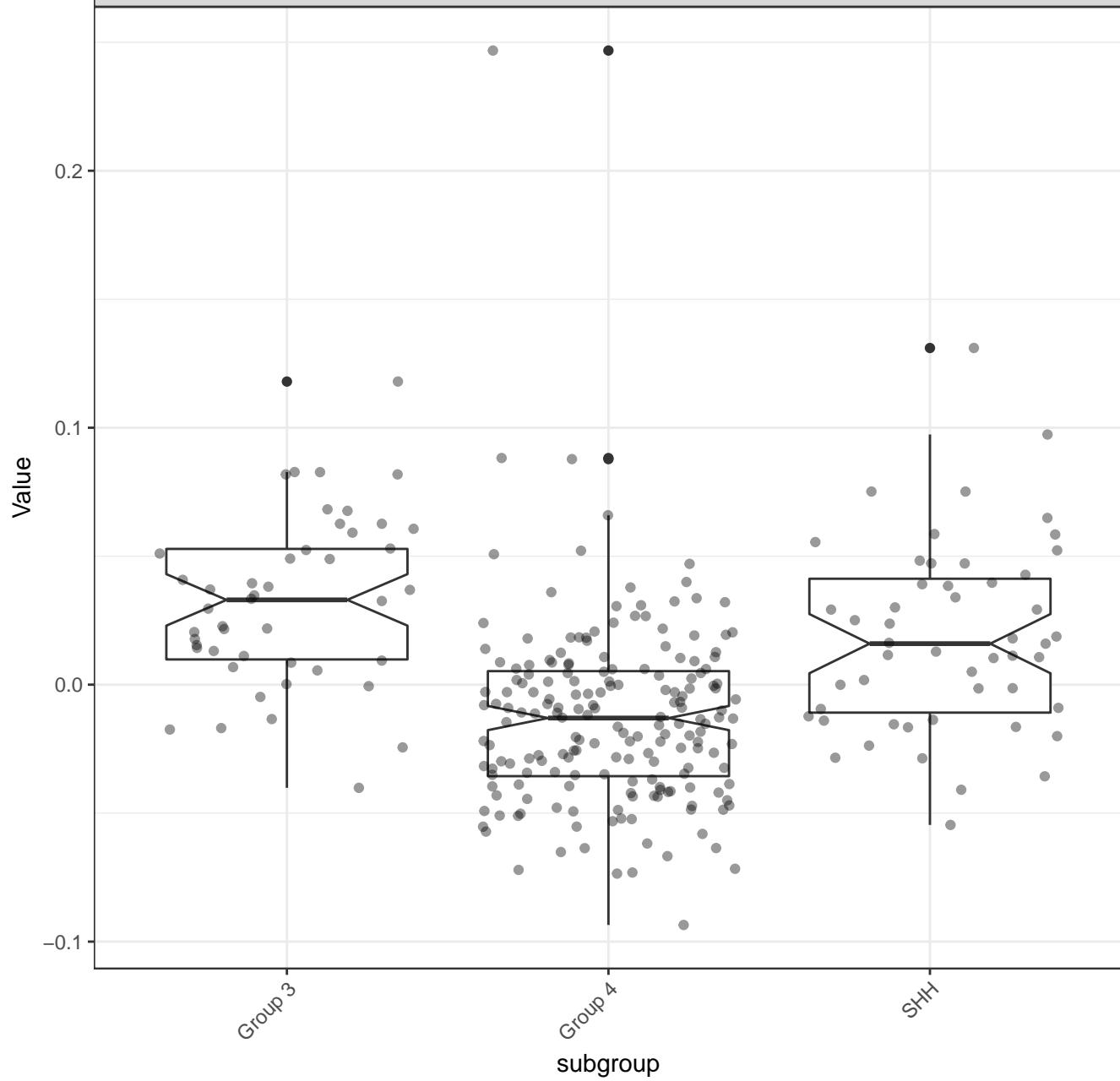
LV 170



171,KEGG_FATTY_ACID_METABOLISM



172,DMAP_ERY4



LV 173

Value

0.08

0.04

0.00

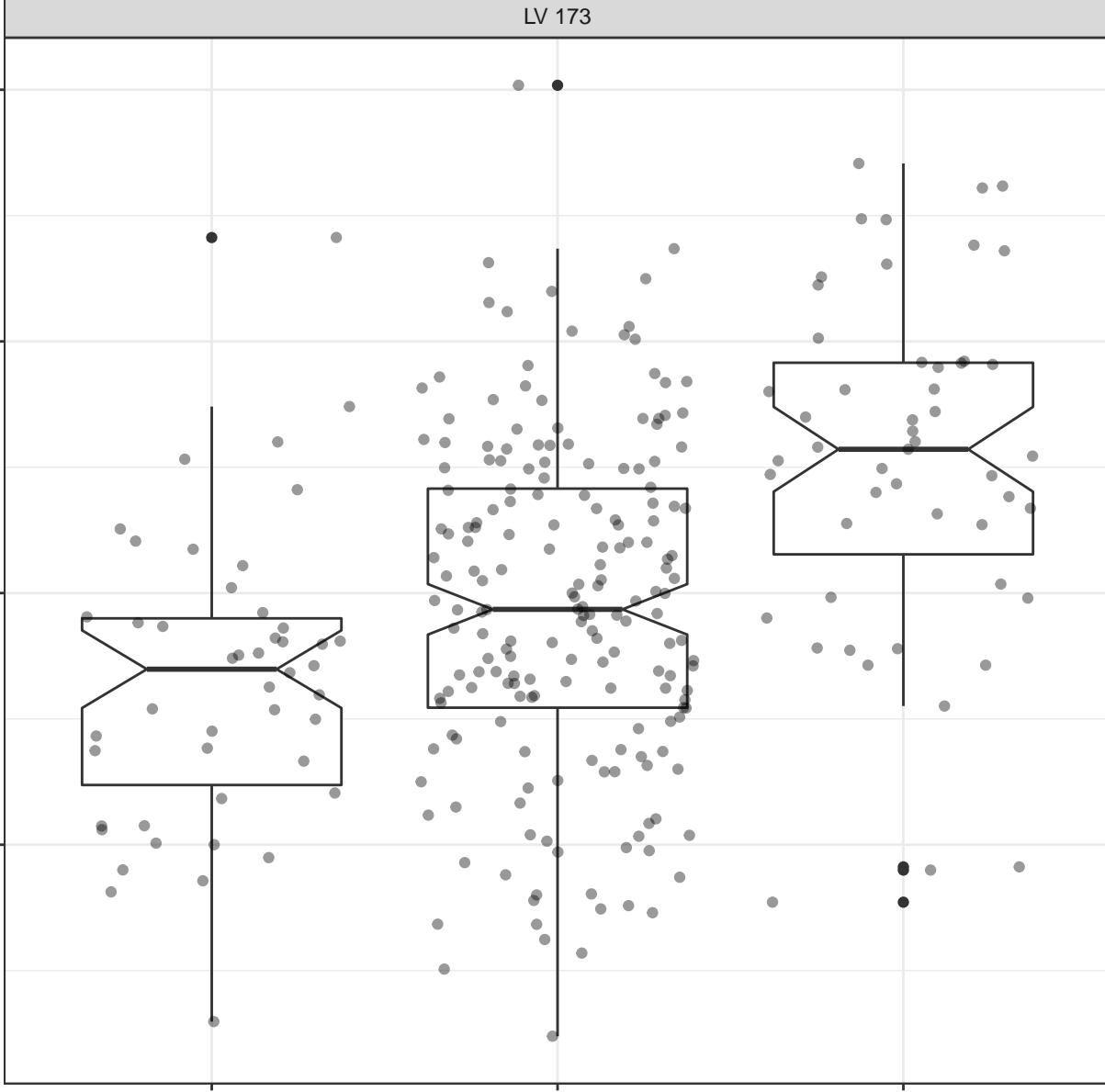
-0.04

Group 3

Group 4

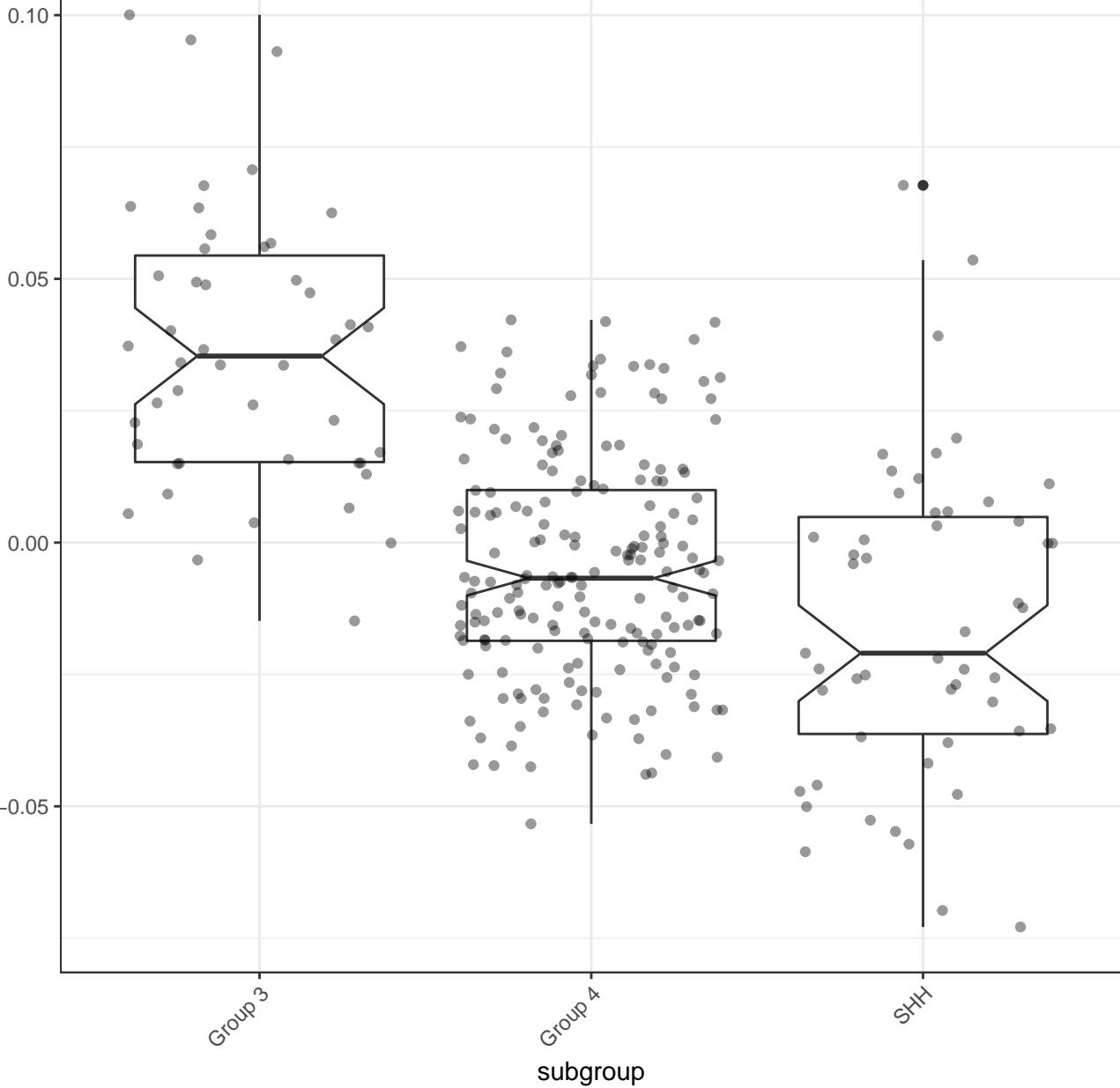
SHH

subgroup



LV 174

Value



LV 175

Value

0.10

0.05

0.00

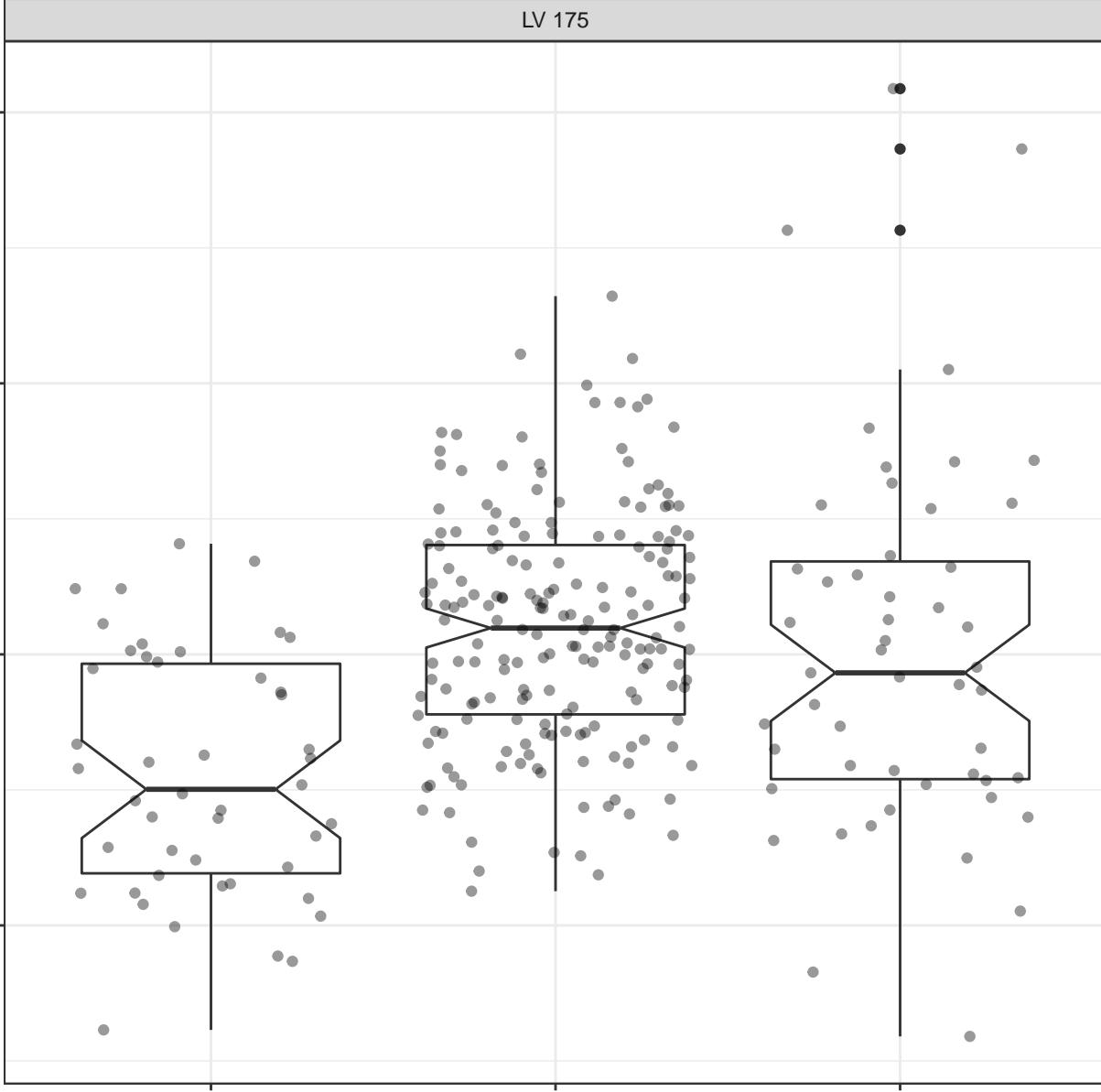
-0.05

Group 3

Group 4

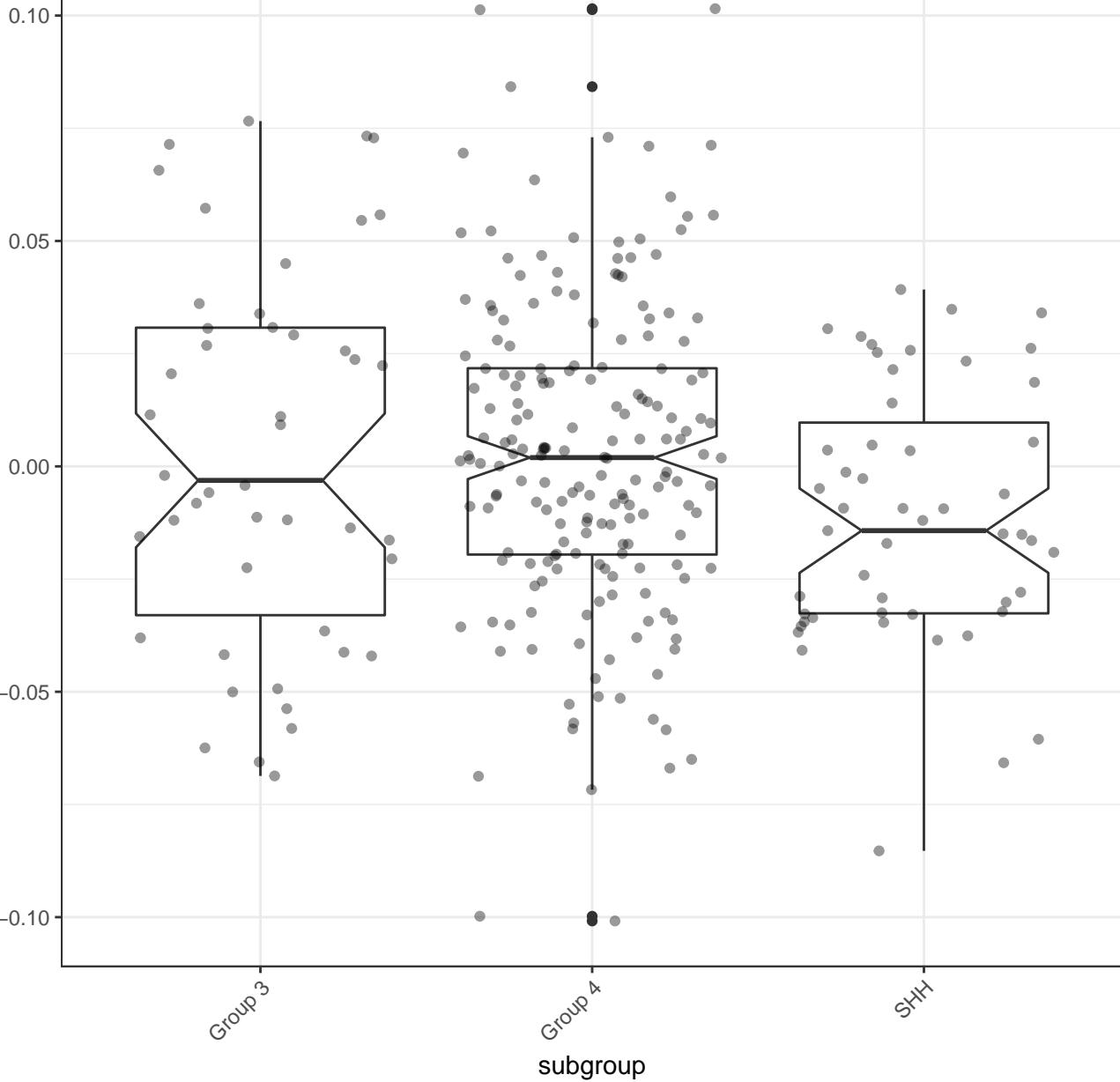
SHH

subgroup

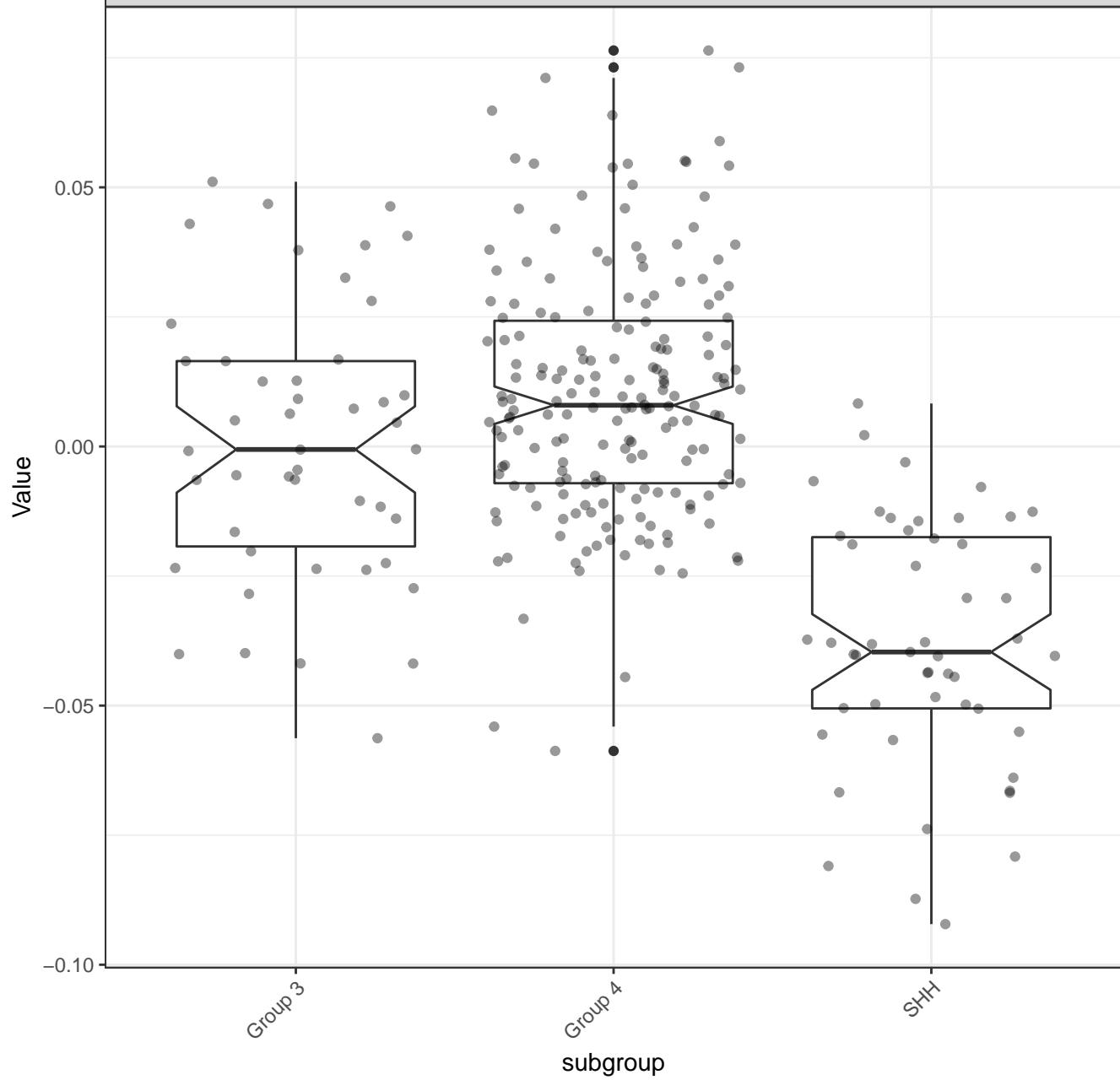


176,KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM

Value



177,SIG_CHEMOTAXIS



LV 178

Value

0.05

0.00

-0.05

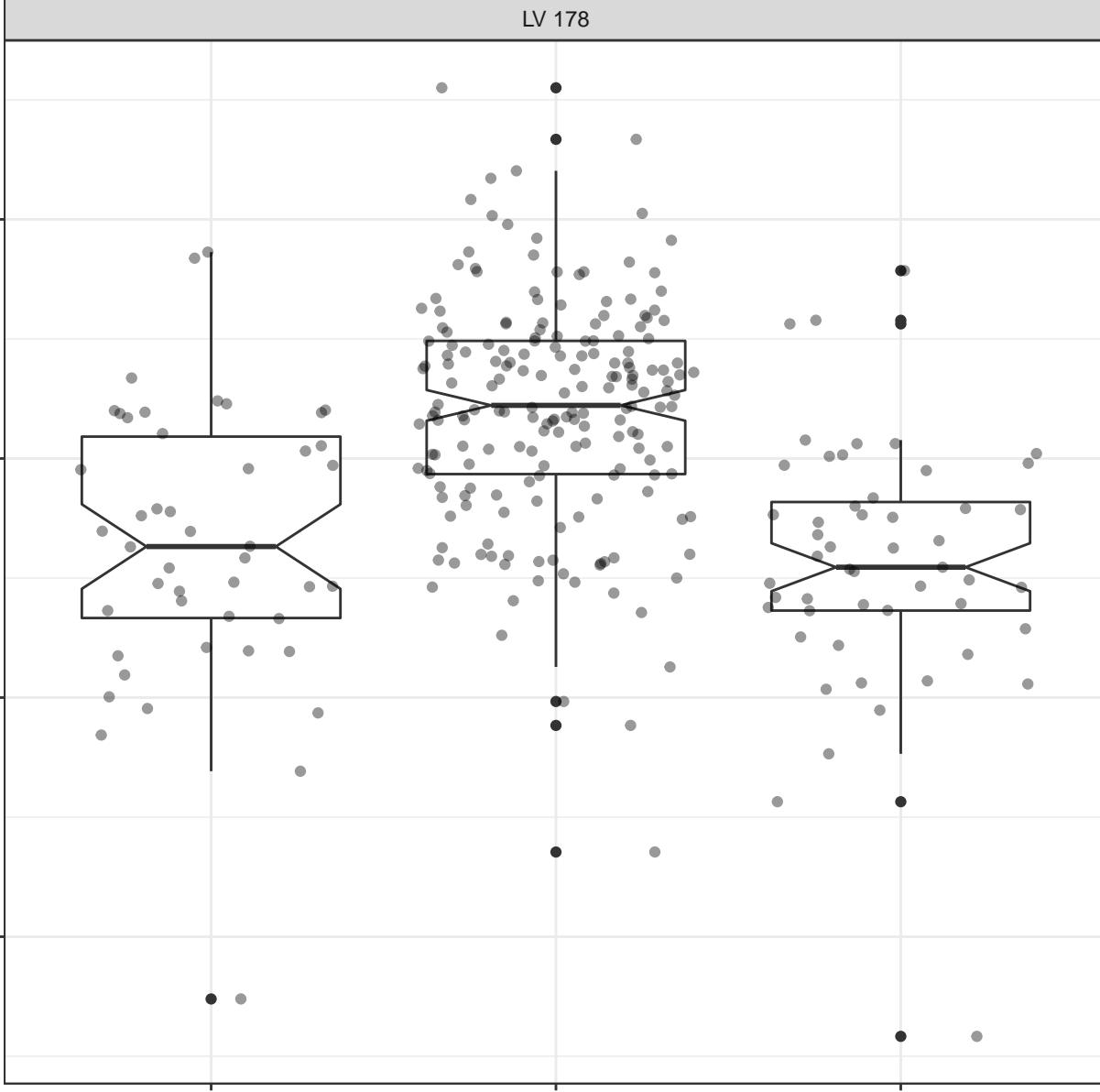
-0.10

Group 3

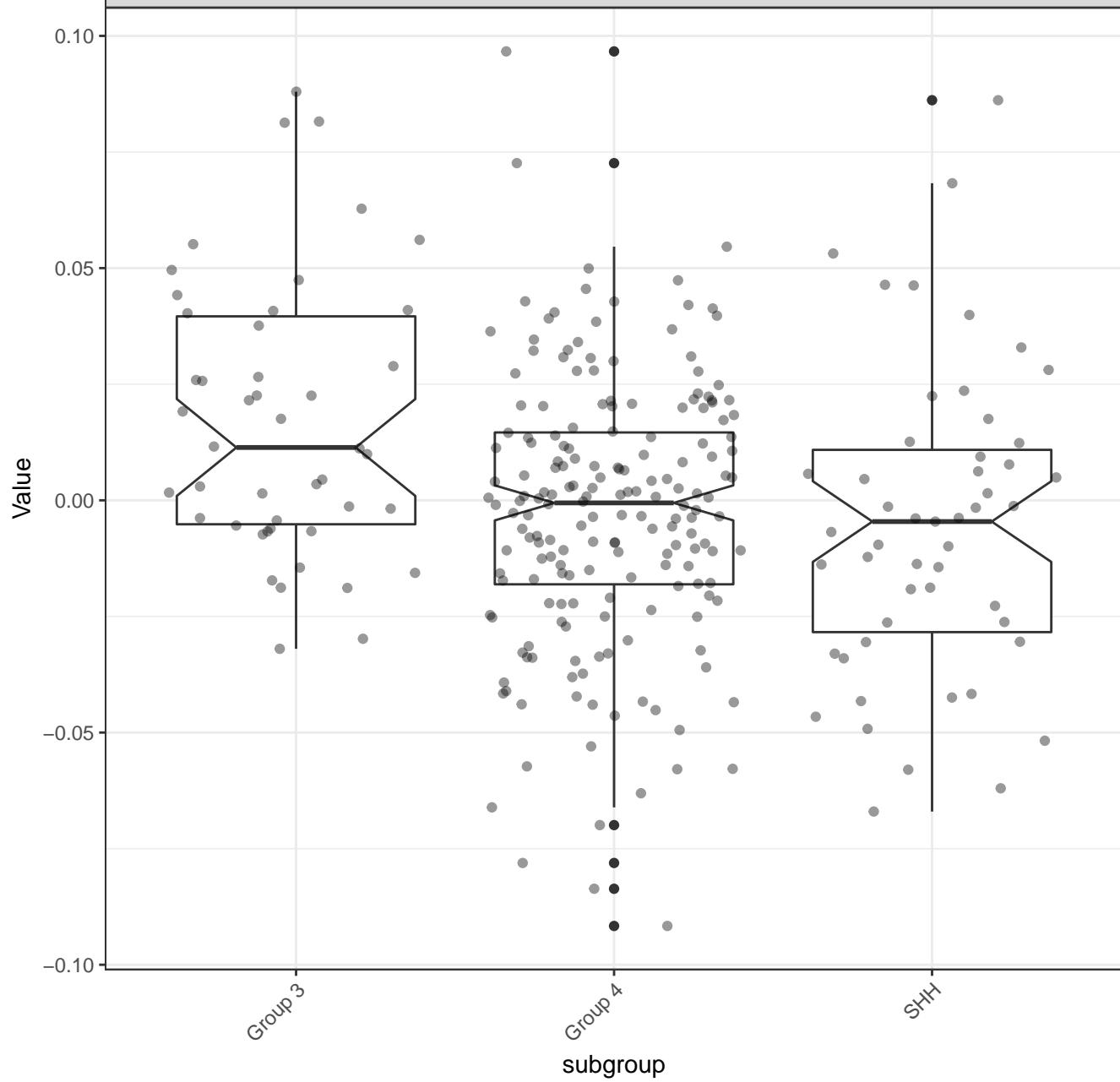
subgroup

Group 4

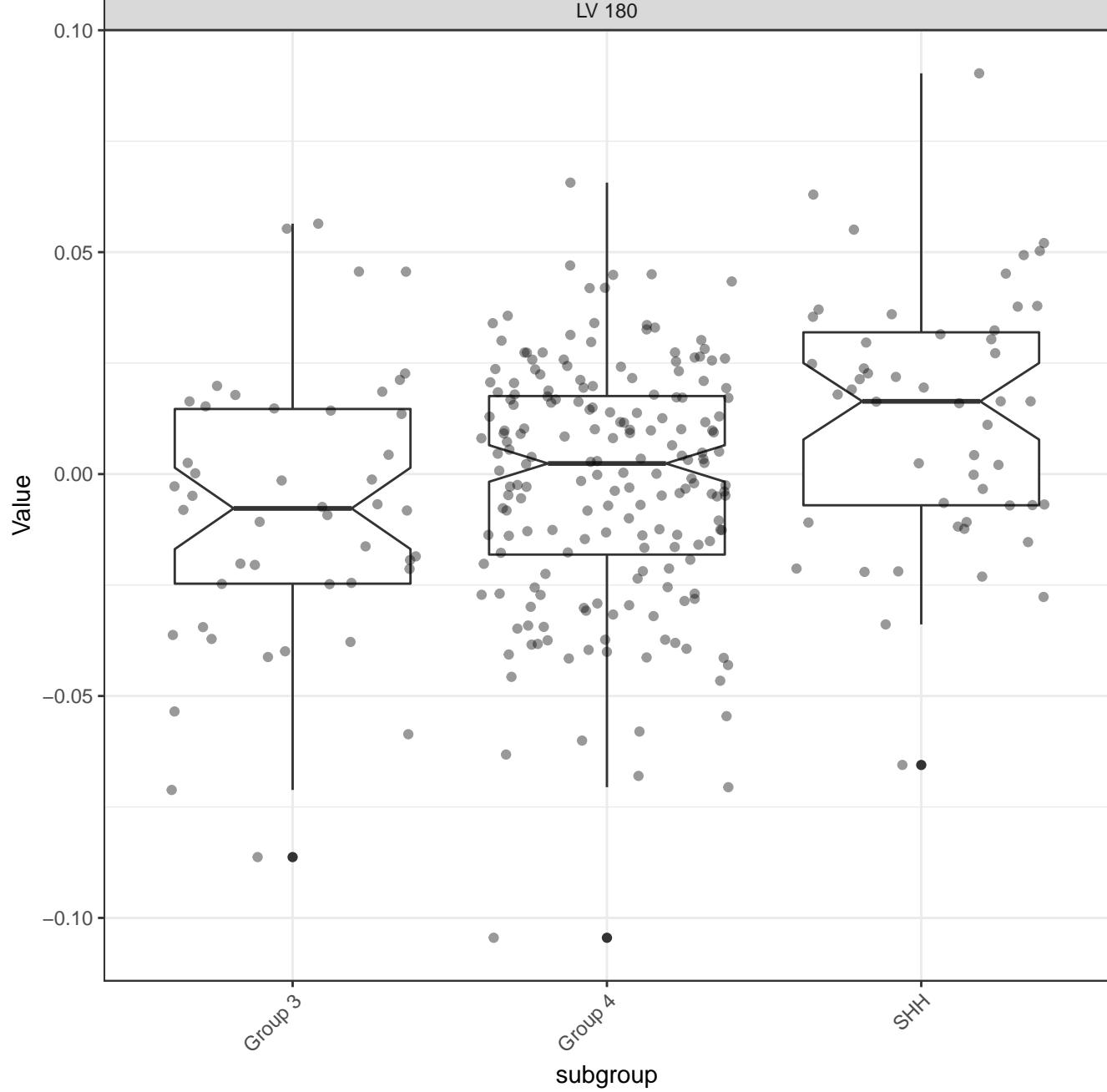
SHH



LV 179



LV 180



LV 181

Value

0.10

0.05

0.00

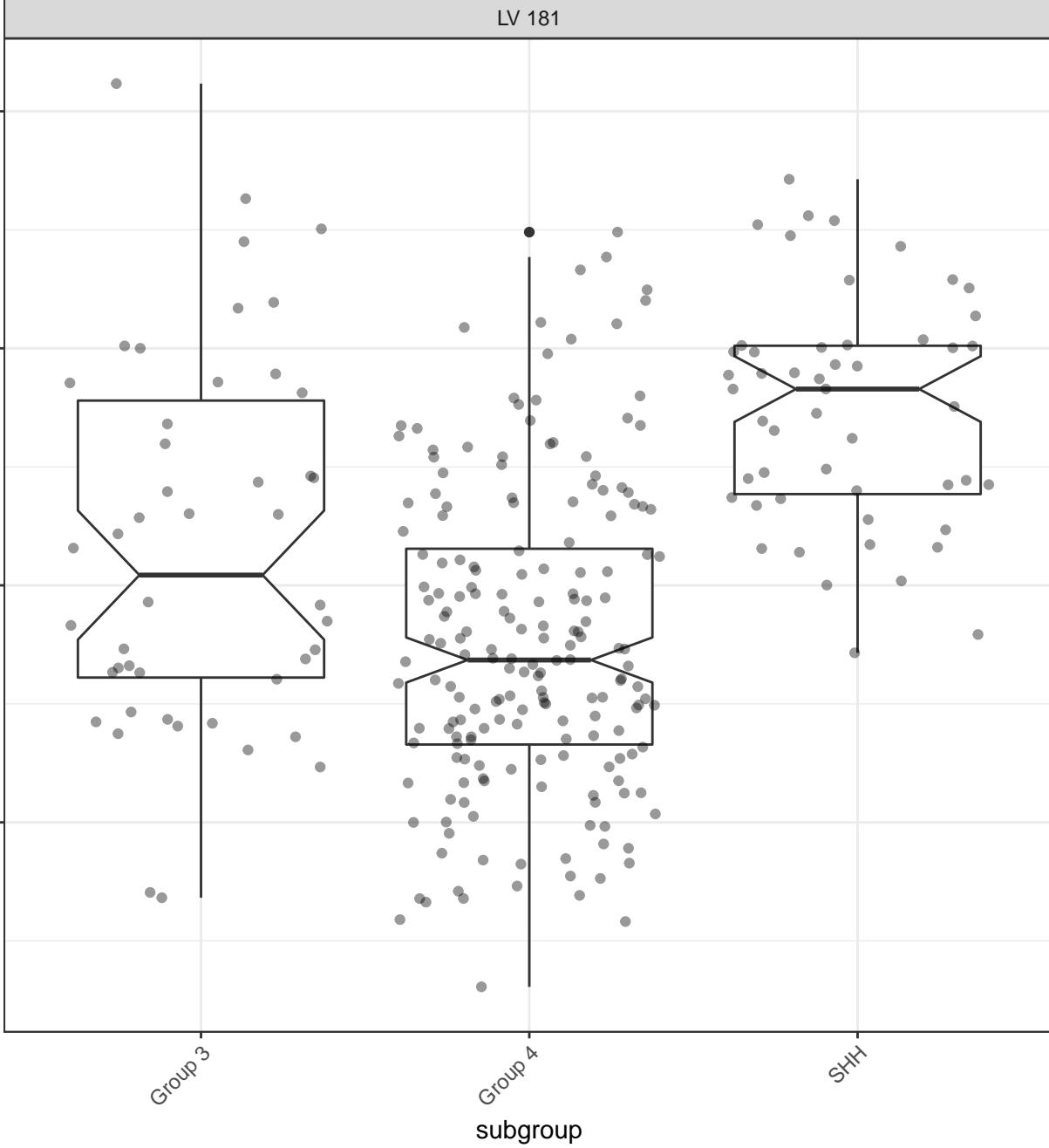
-0.05

Group 3

Group 4

SHH

subgroup



LV 182

Value

0.10

0.05

0.00

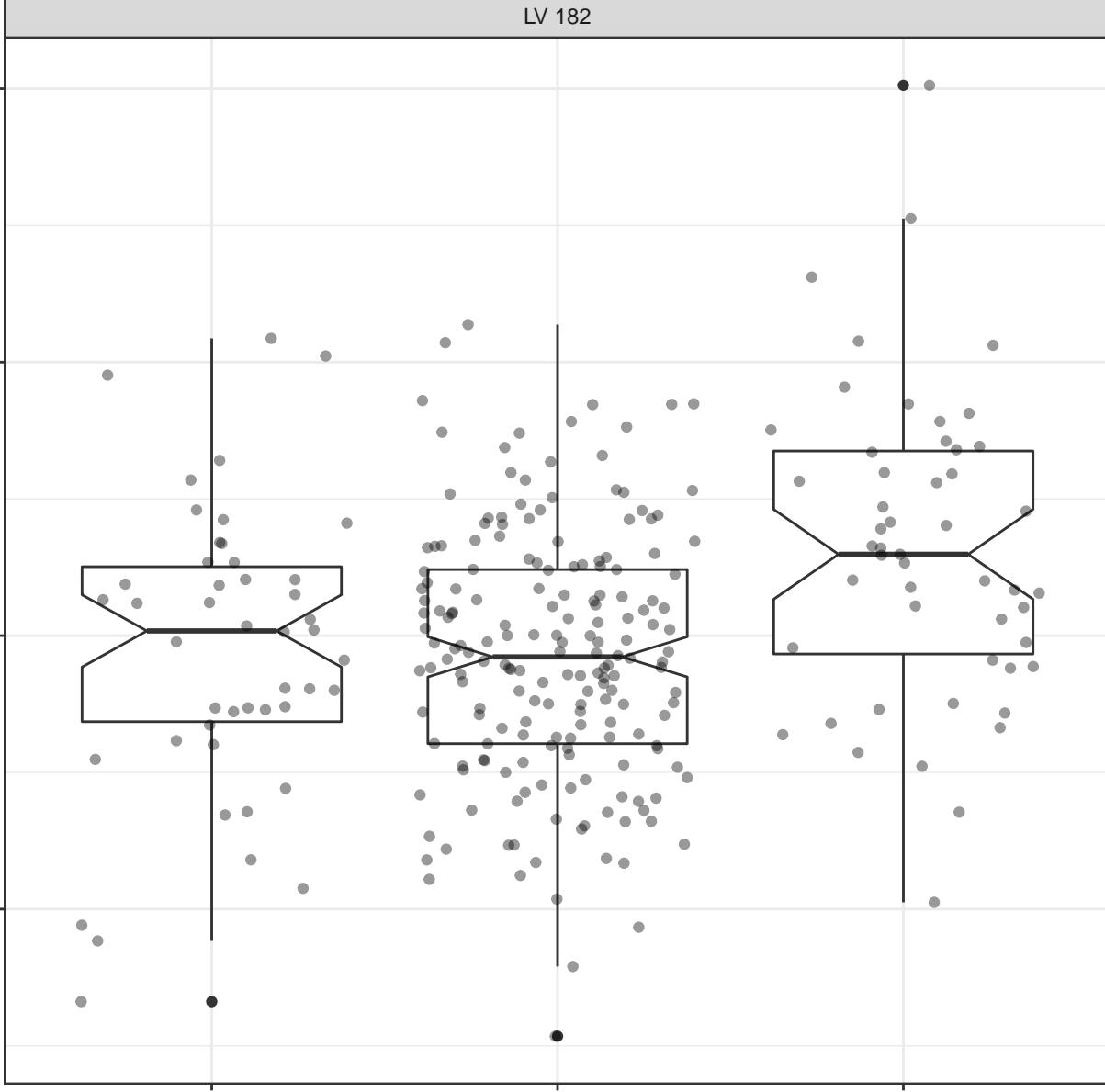
-0.05

Group 3

Group 4

SHH

subgroup



LV 183

Value

0.2

0.1

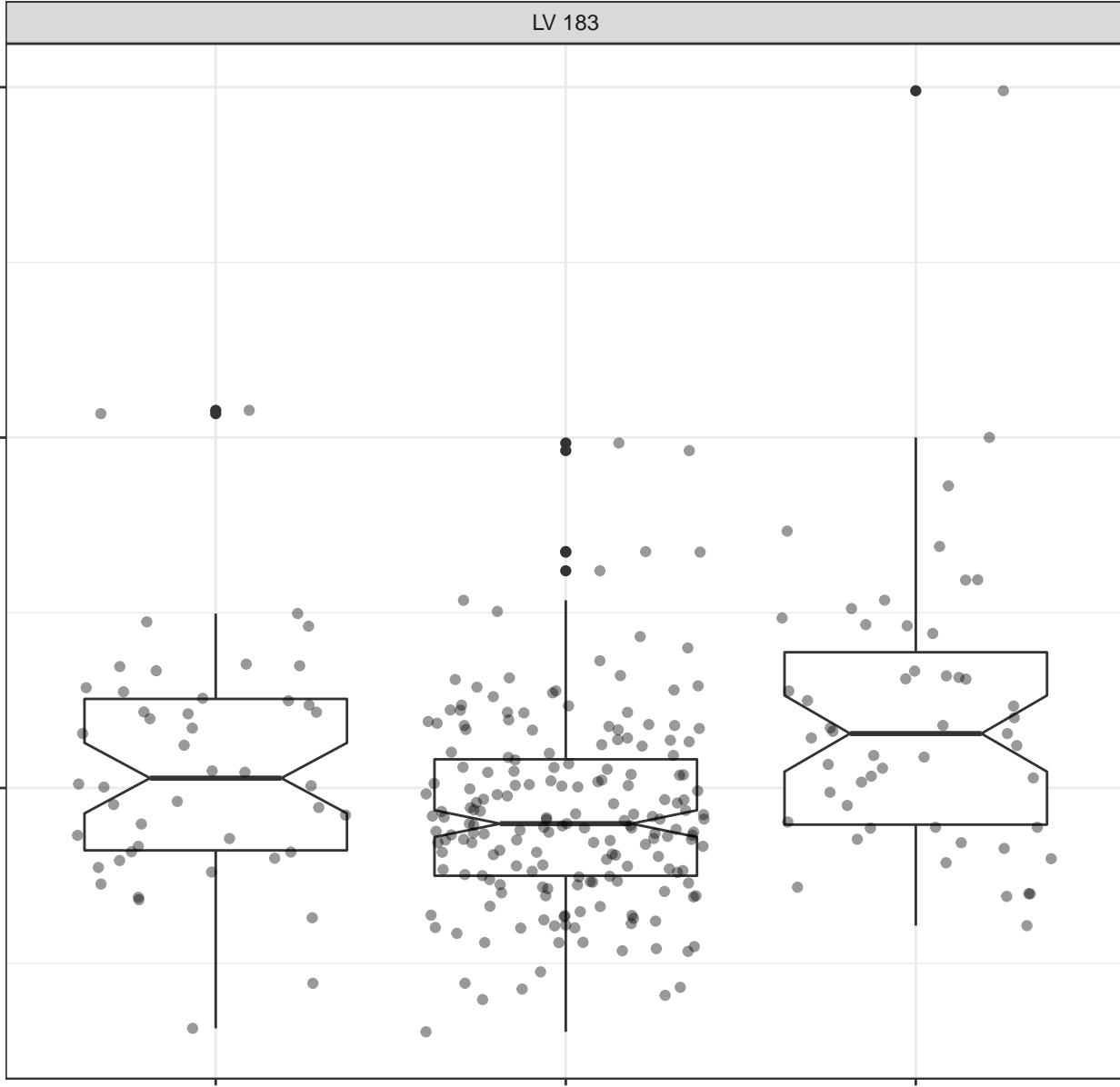
0.0

Group 3

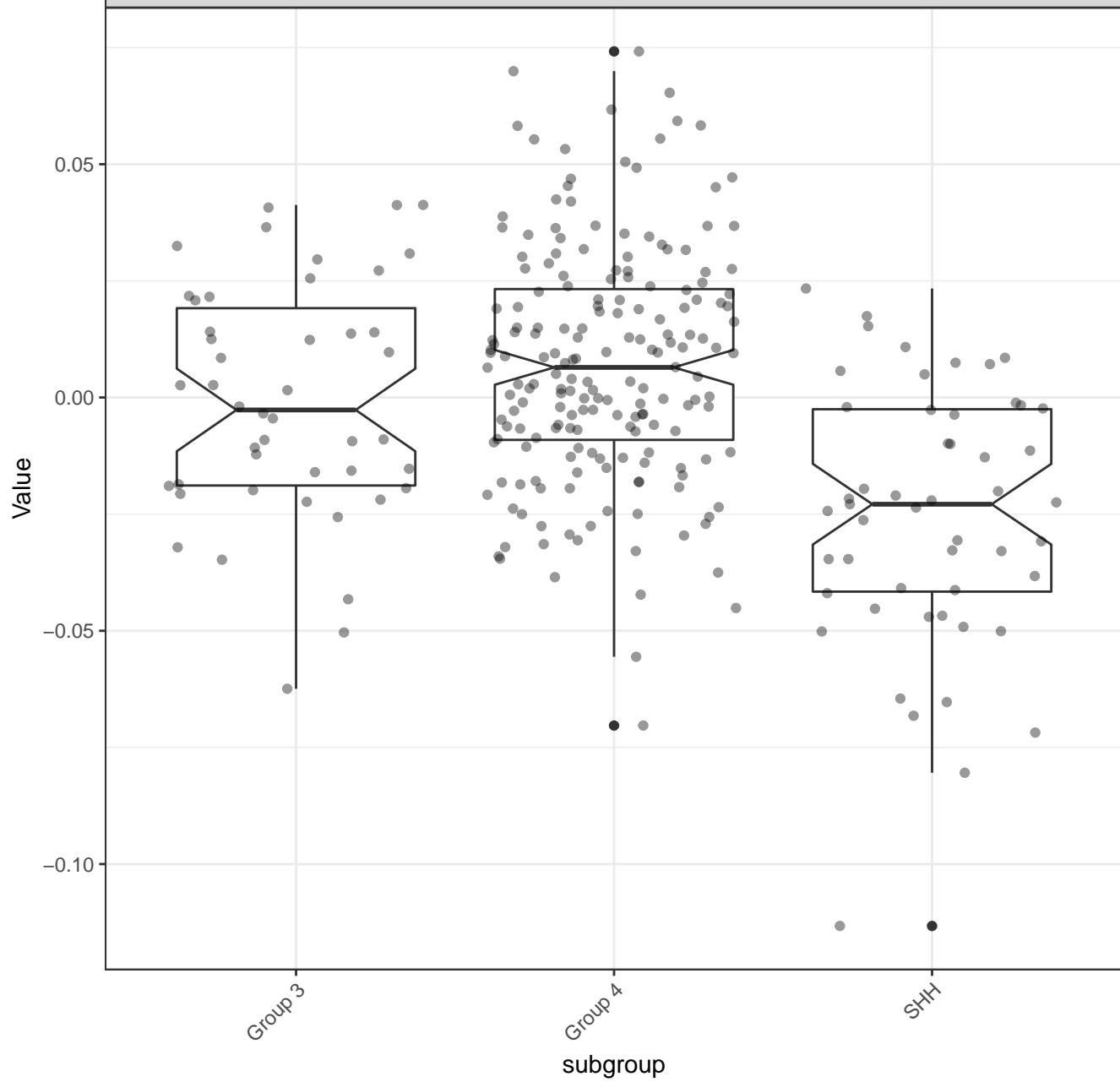
Group 4

SHH

subgroup



LV 184



LV 185

Value

0.3

0.2

0.1

0.0

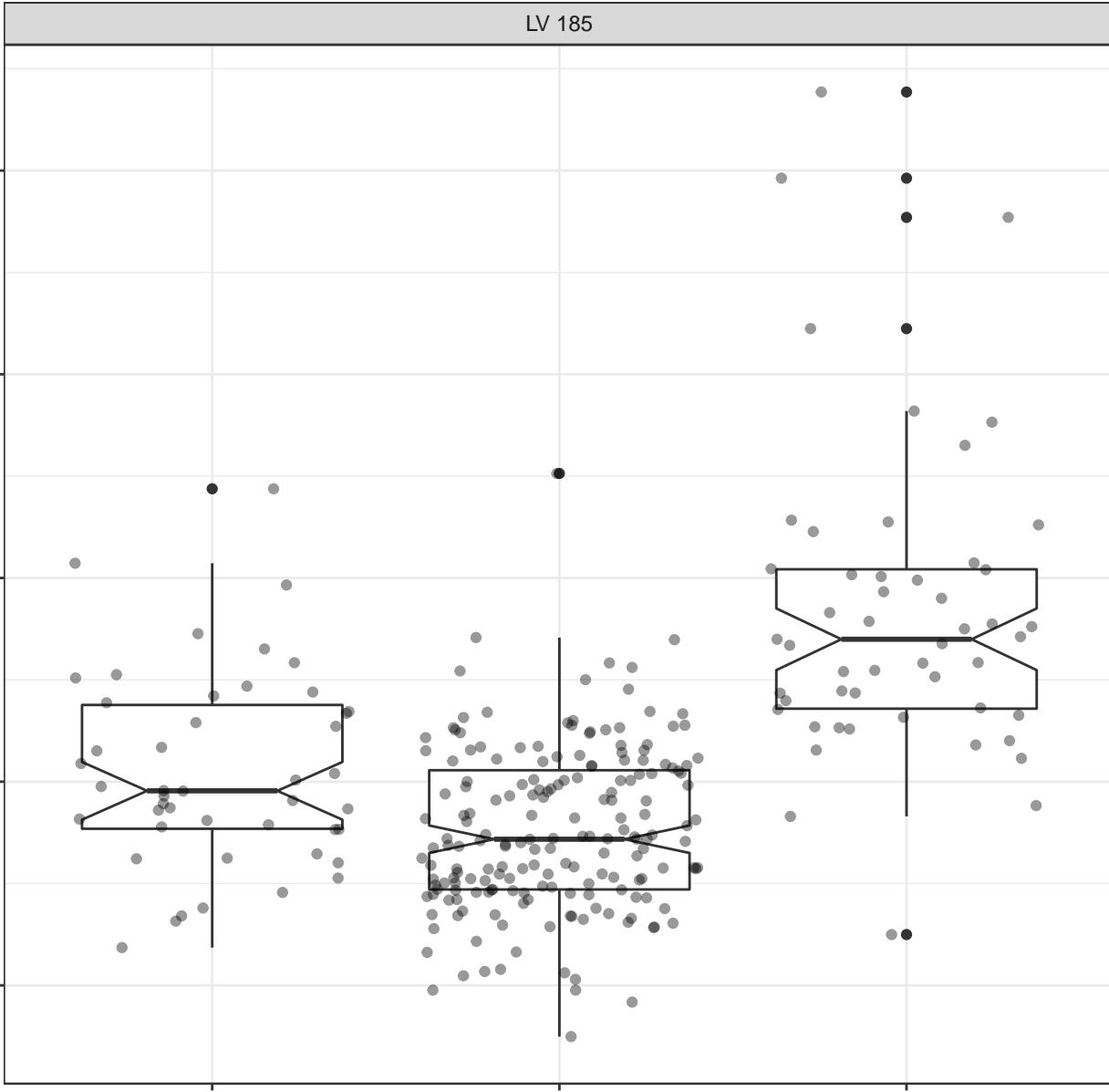
-0.1

Group 3

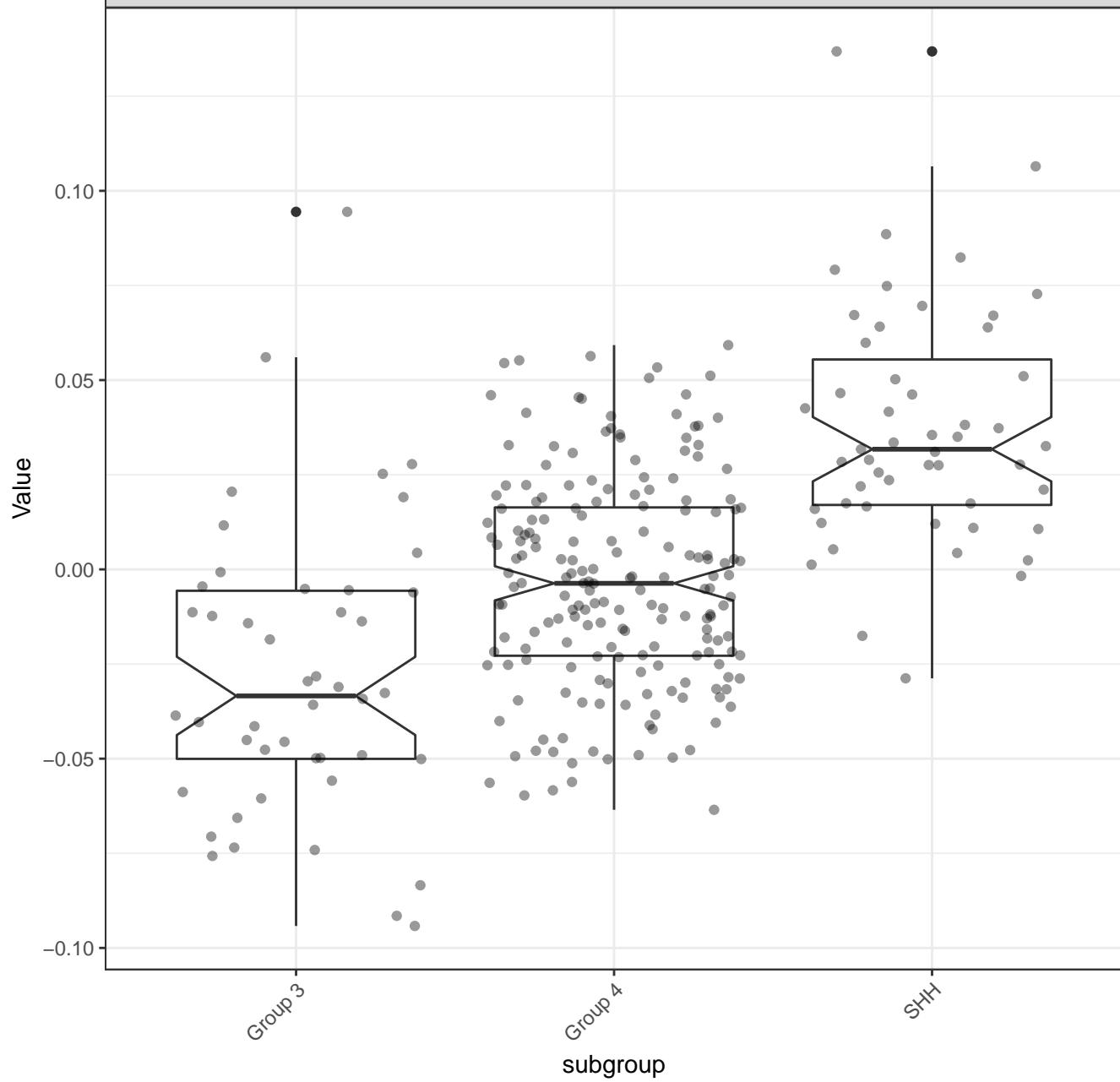
subgroup

Group 4

SHH



LV 186



LV 187

Value

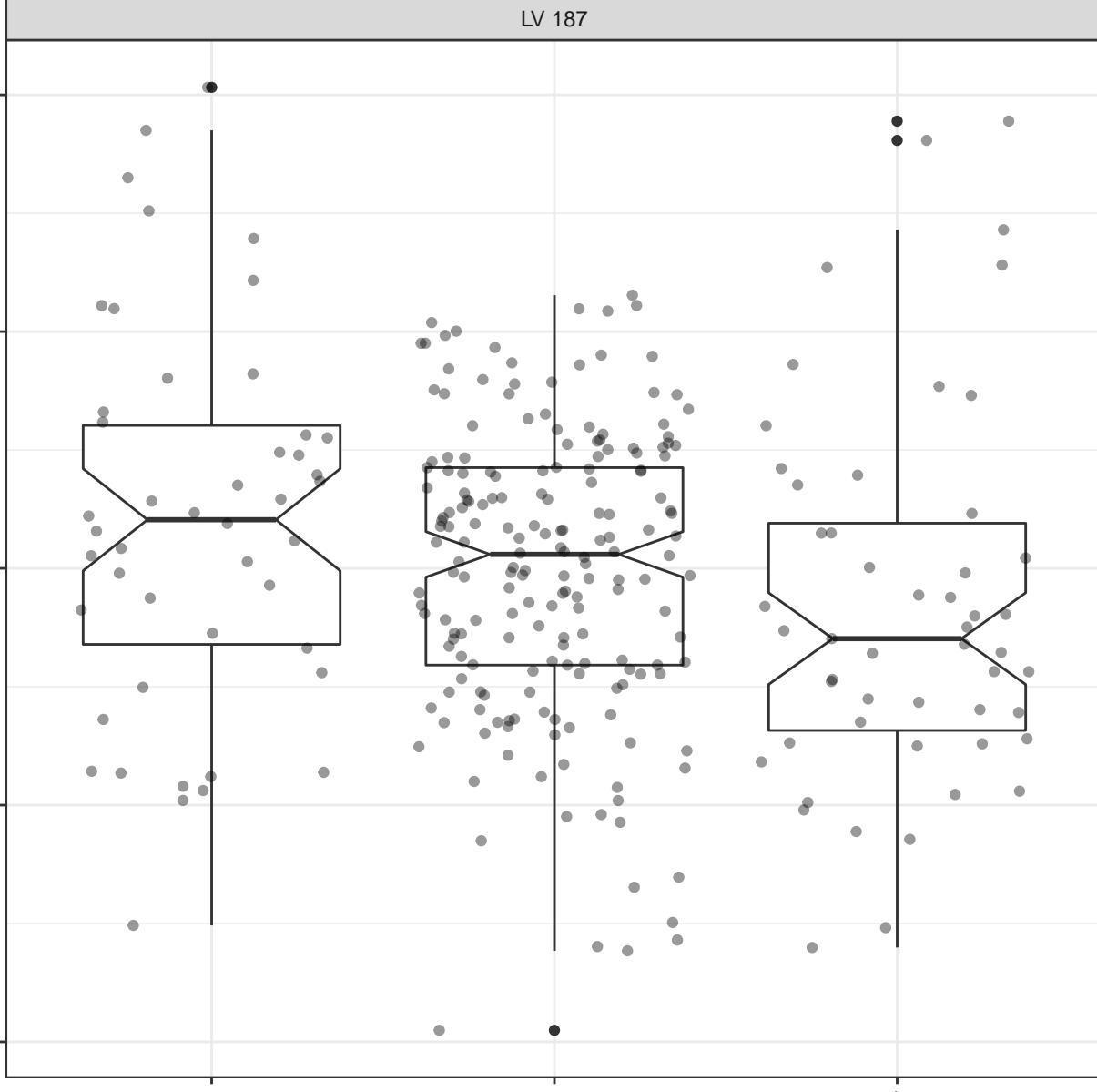
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 188

Value

0.10

0.05

0.00

-0.05

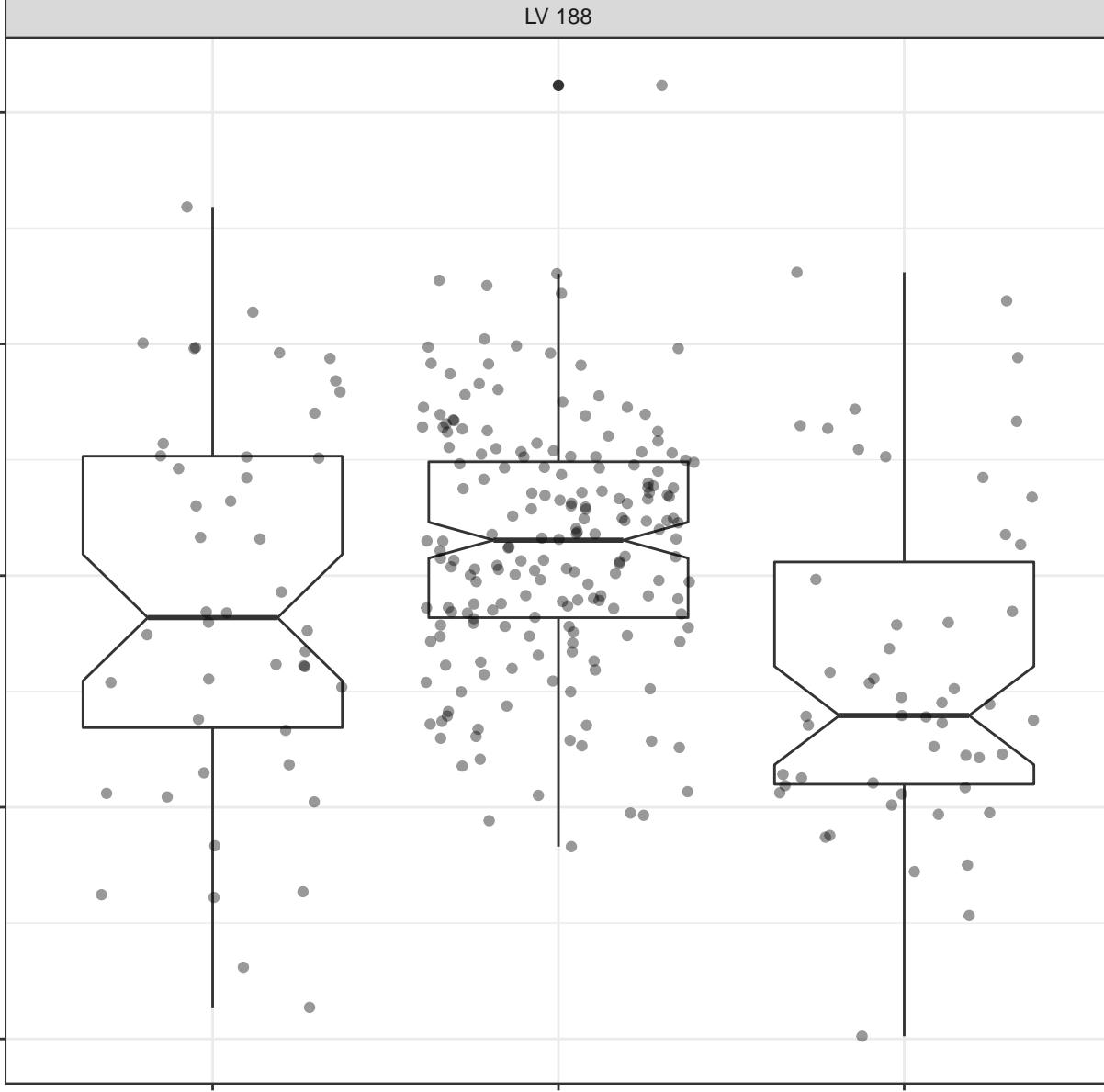
-0.10

Group 3

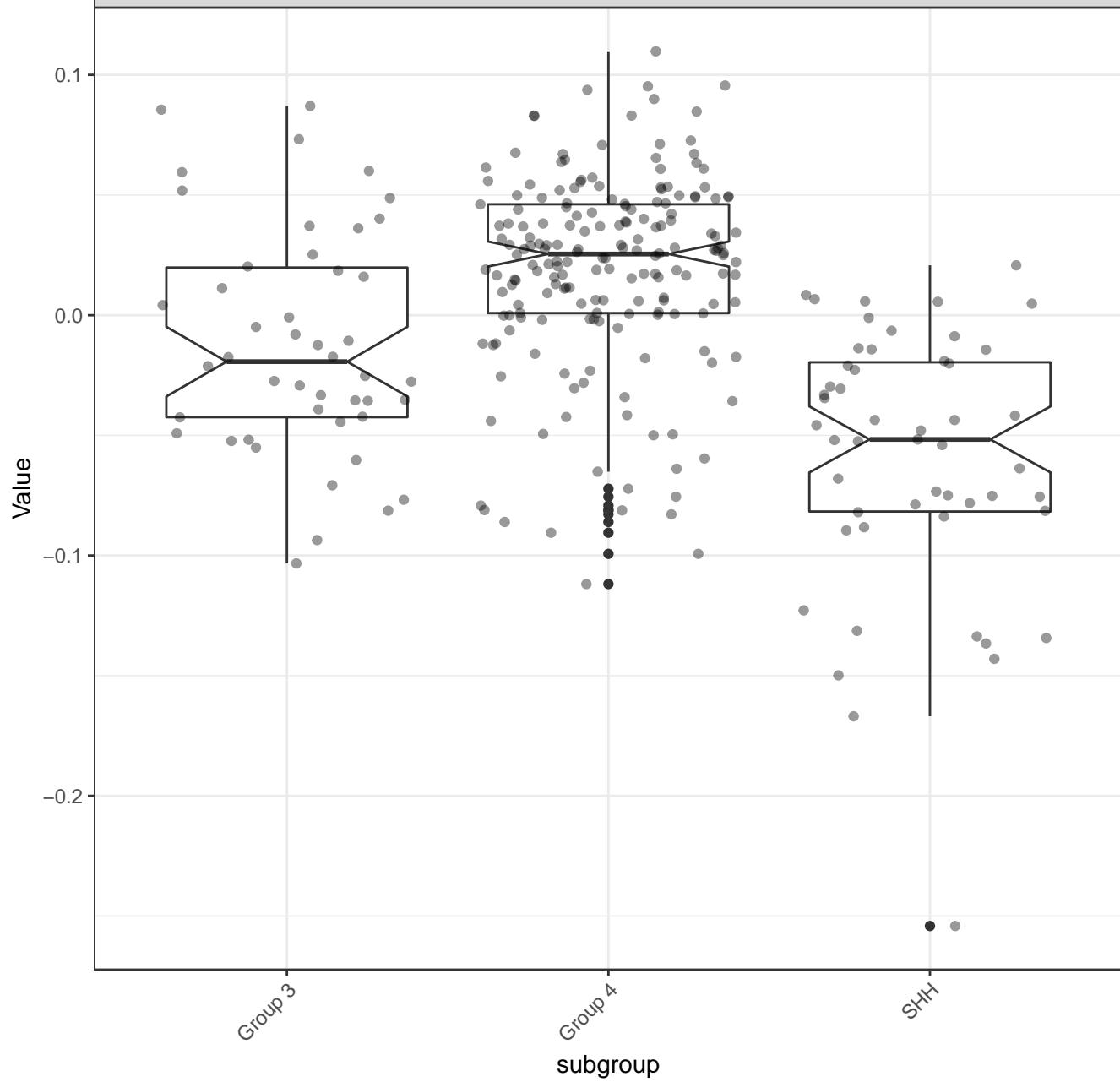
subgroup

Group 4

SHH



LV 189



LV 190

Value

0.05

0.00

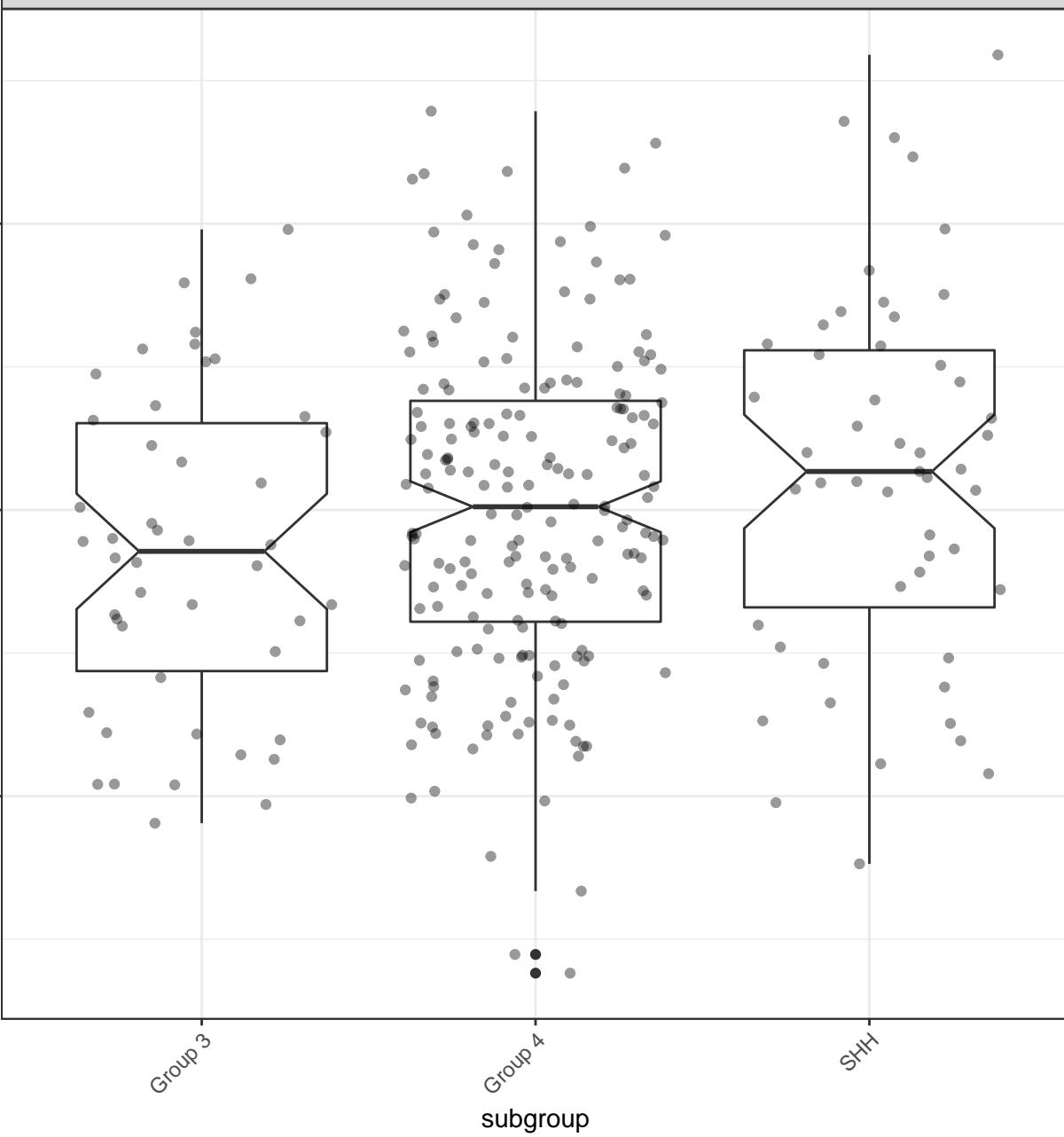
-0.05

Group 3

Group 4

SHH

subgroup



LV 191

Value

0.10

0.05

0.00

-0.05

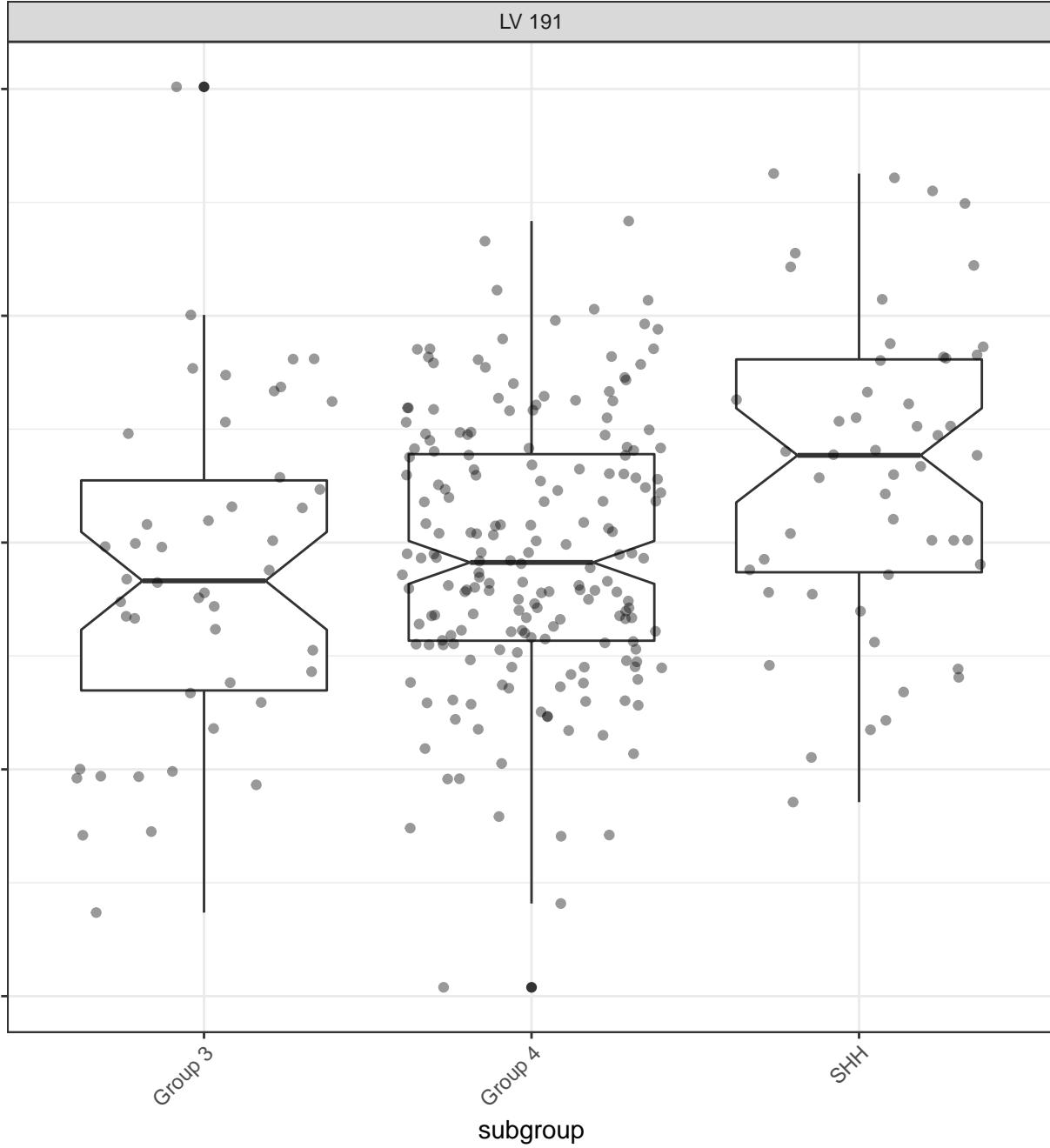
-0.10

Group 3

Group 4

SHH

subgroup



LV 192

Value

0.10

0.05

0.00

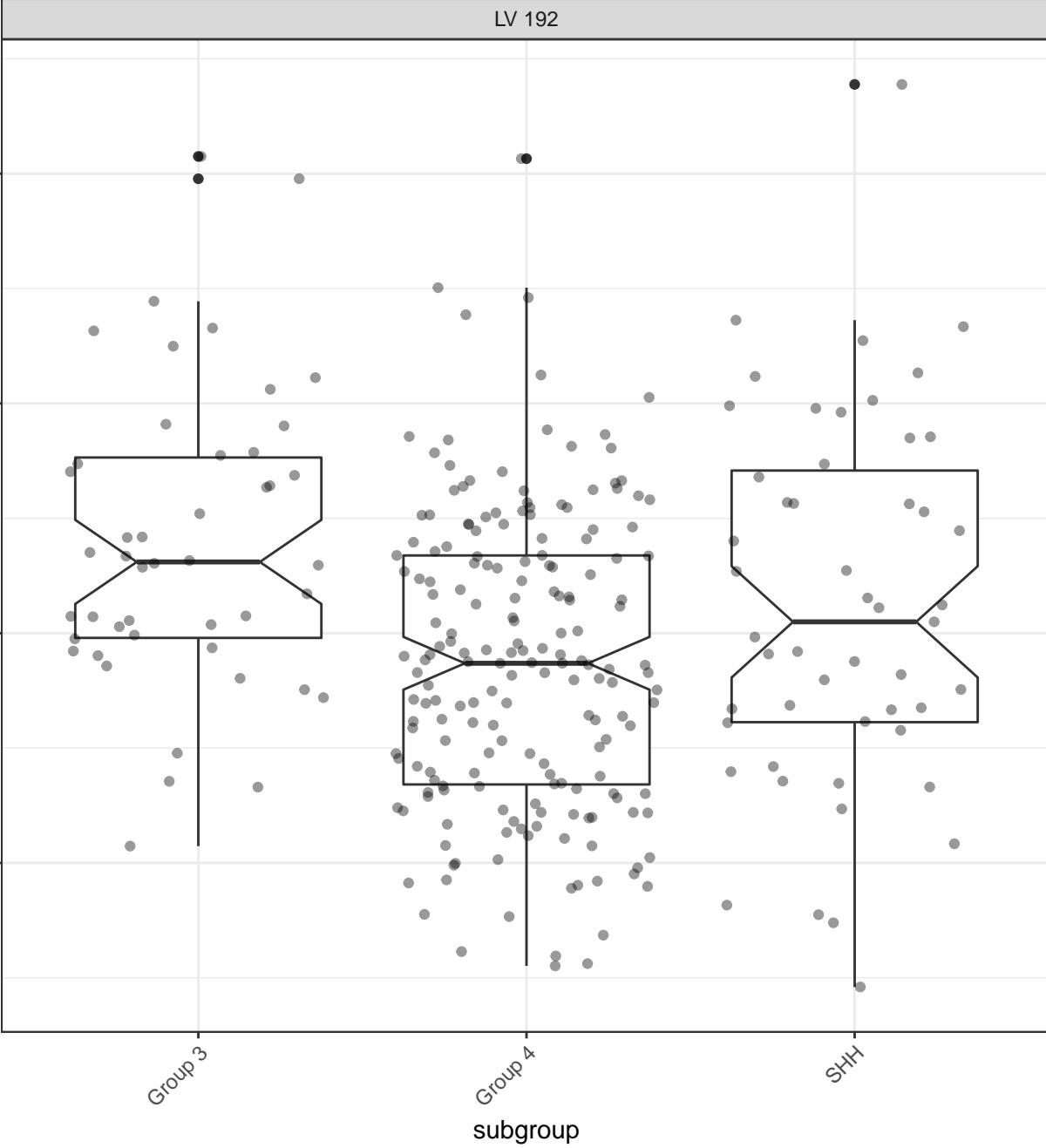
-0.05

Group 3

Group 4

SHH

subgroup



LV 193

Value

0.10

0.05

0.00

-0.05

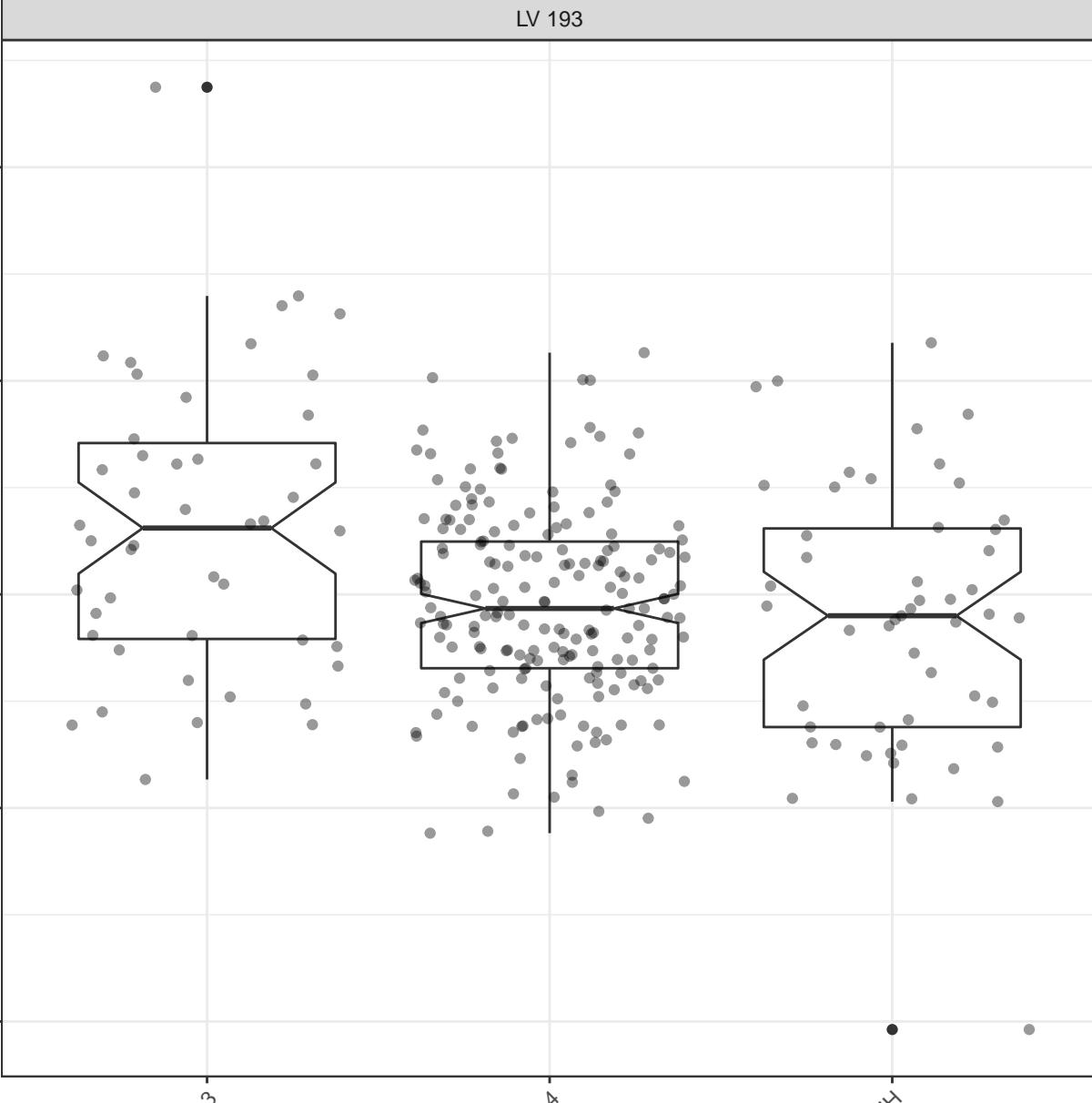
-0.10

Group 3

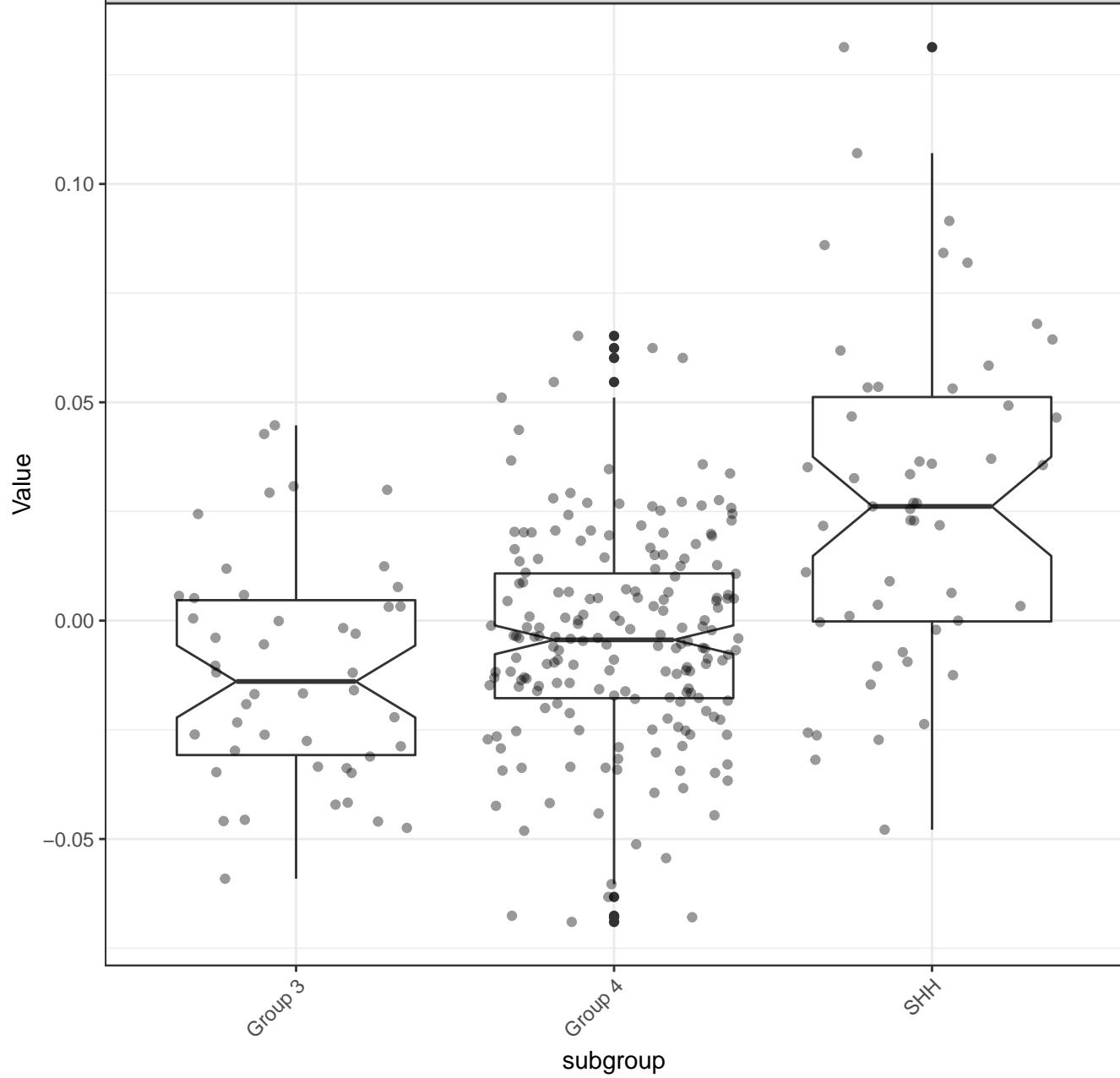
Group 4

SHH

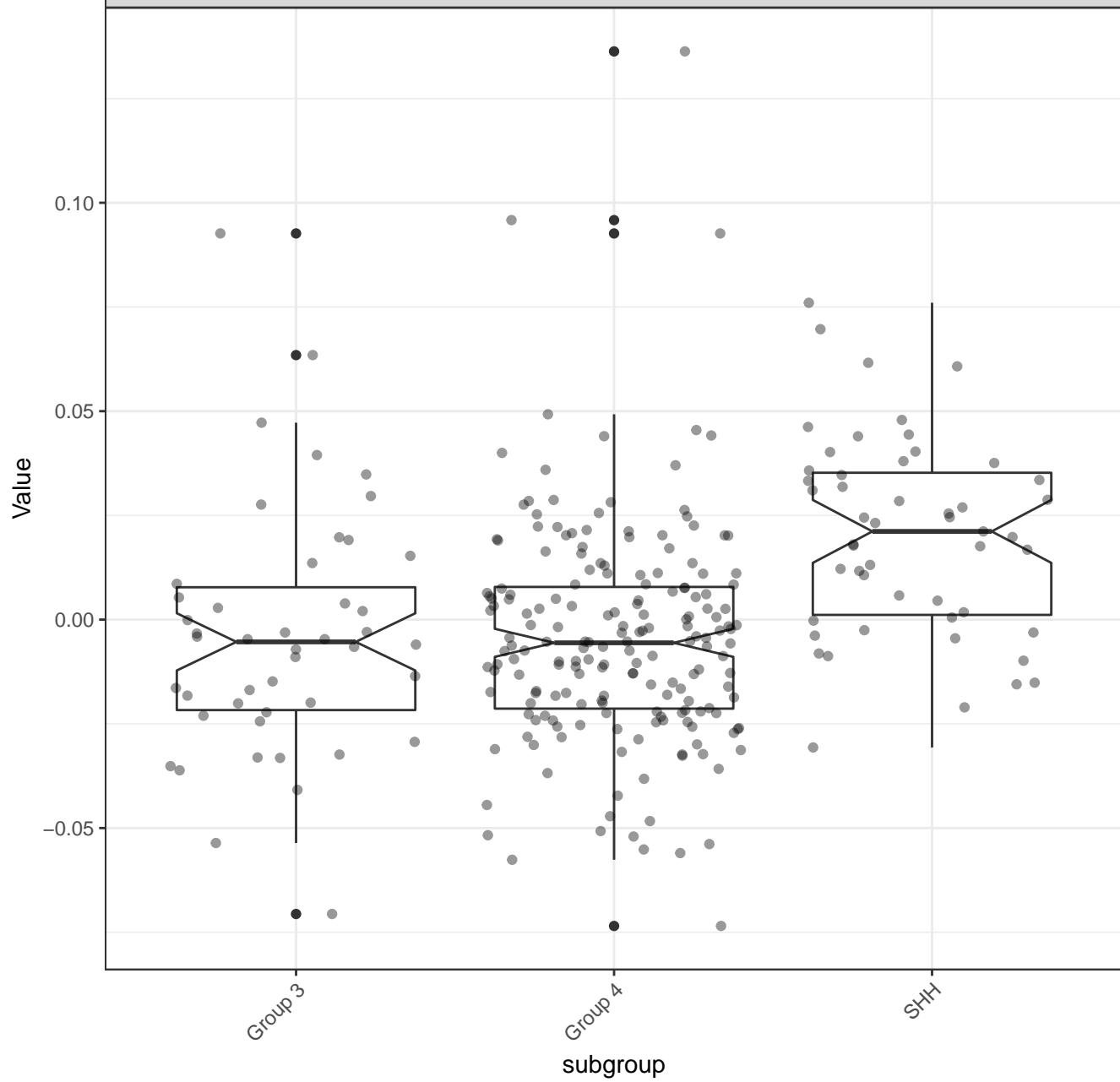
subgroup



LV 194



LV 195



LV 196

Value

0.10

0.05

0.00

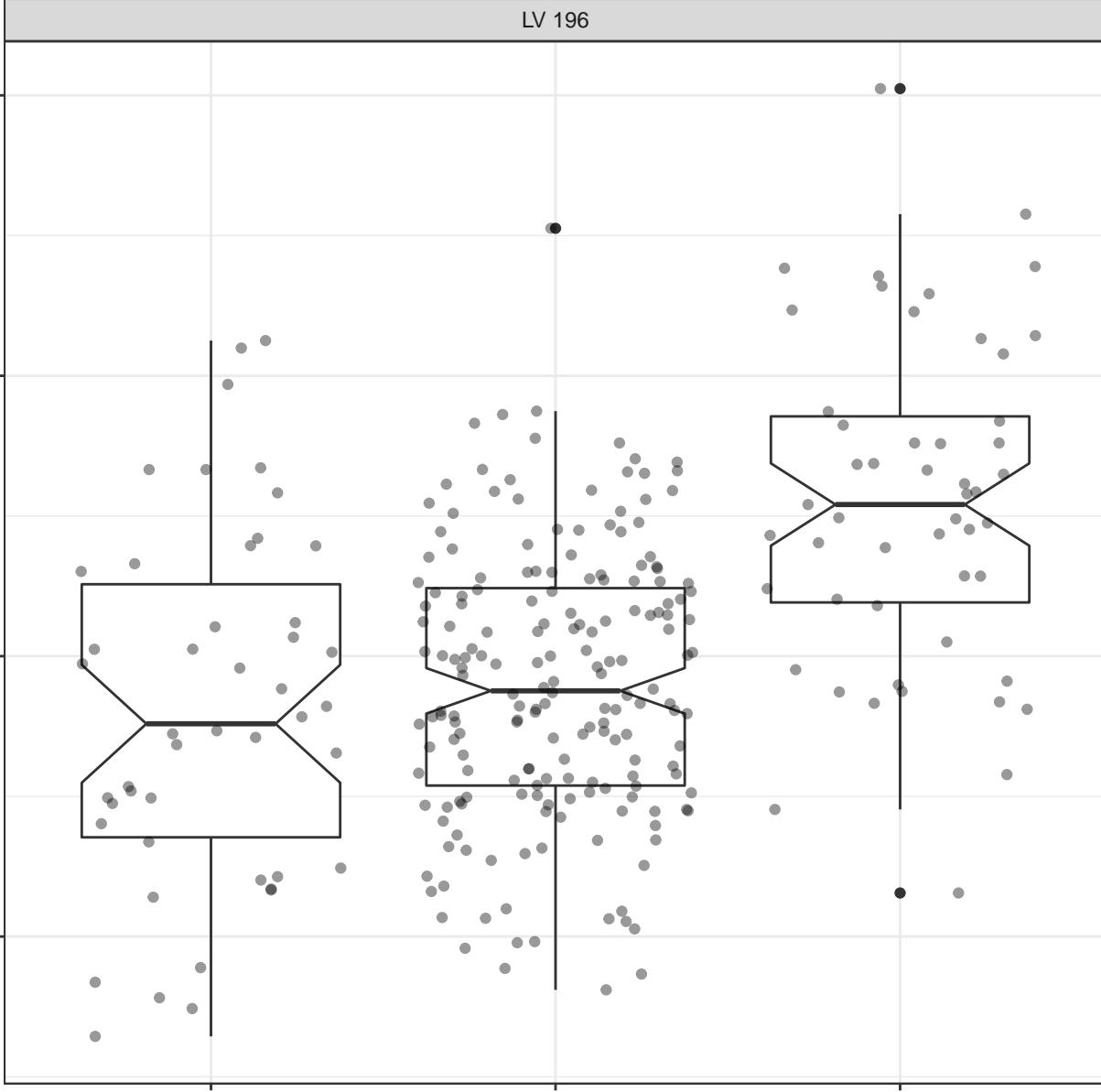
-0.05

Group 3

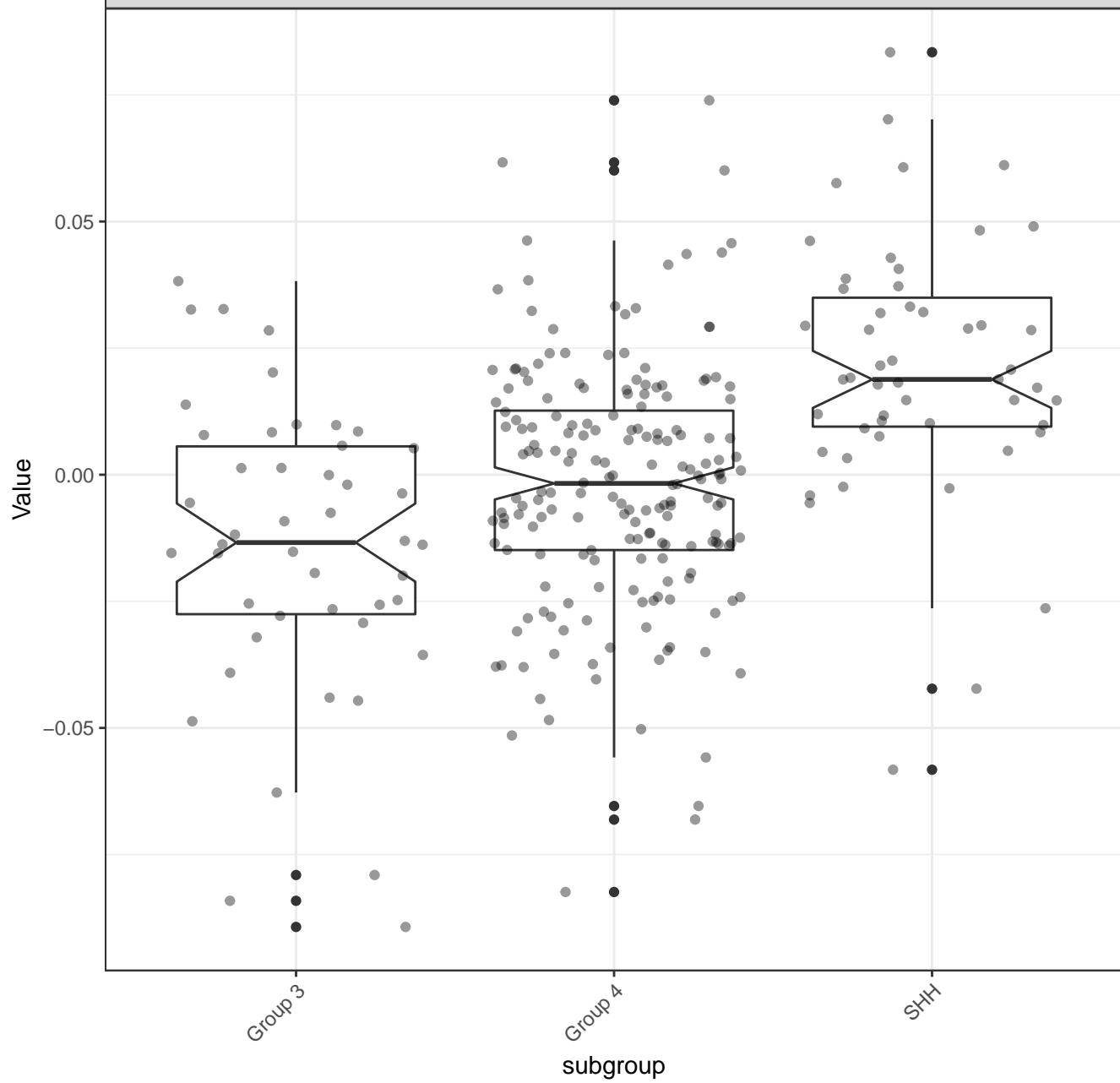
subgroup

Group 4

SHH



197,KEGG_ERBB_SIGNALING_PATHWAY



LV 198

Value

0.05

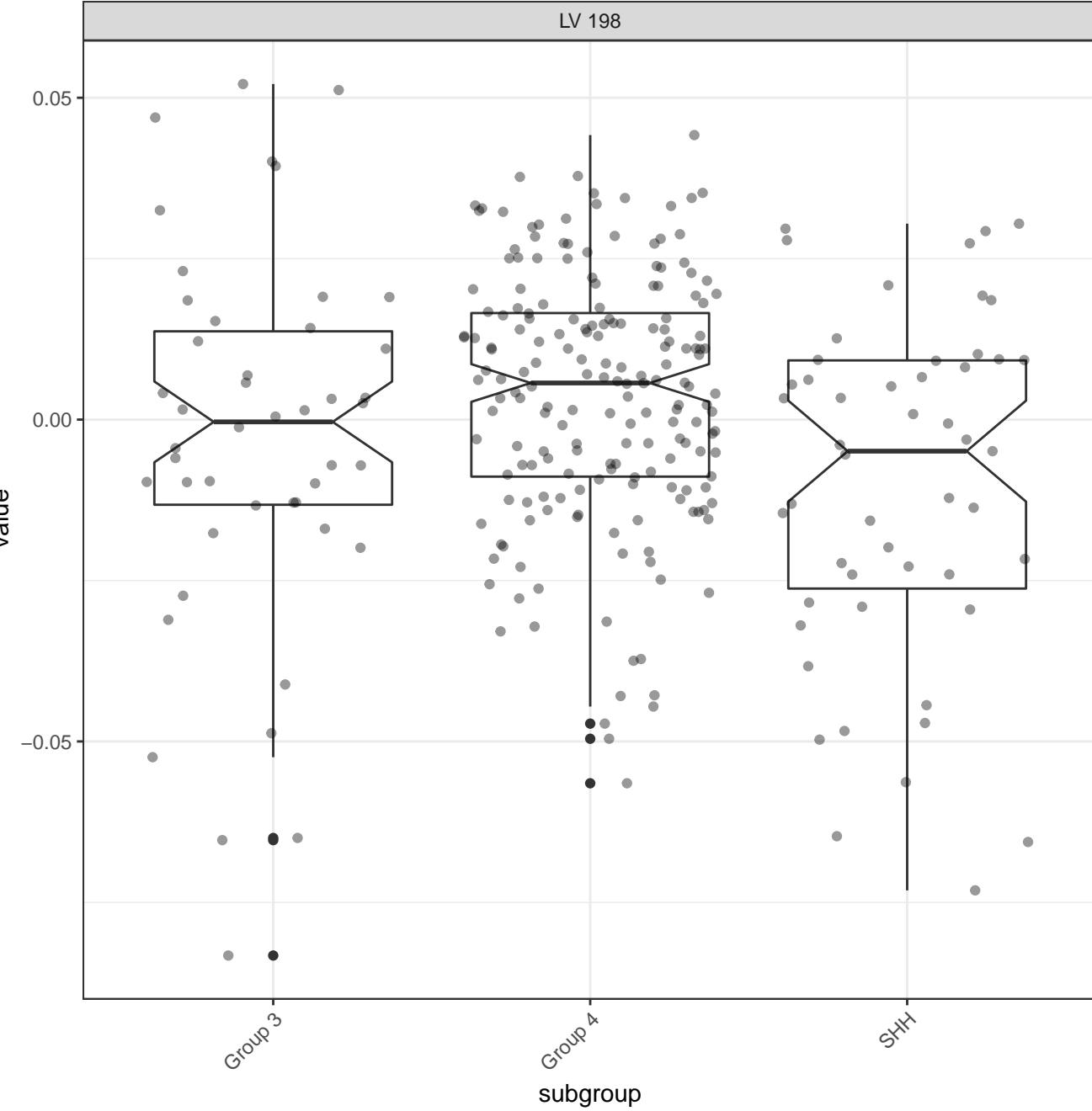
0.00

-0.05

Group 3

subgroup

SHH



LV 199

Value

0.05

0.00

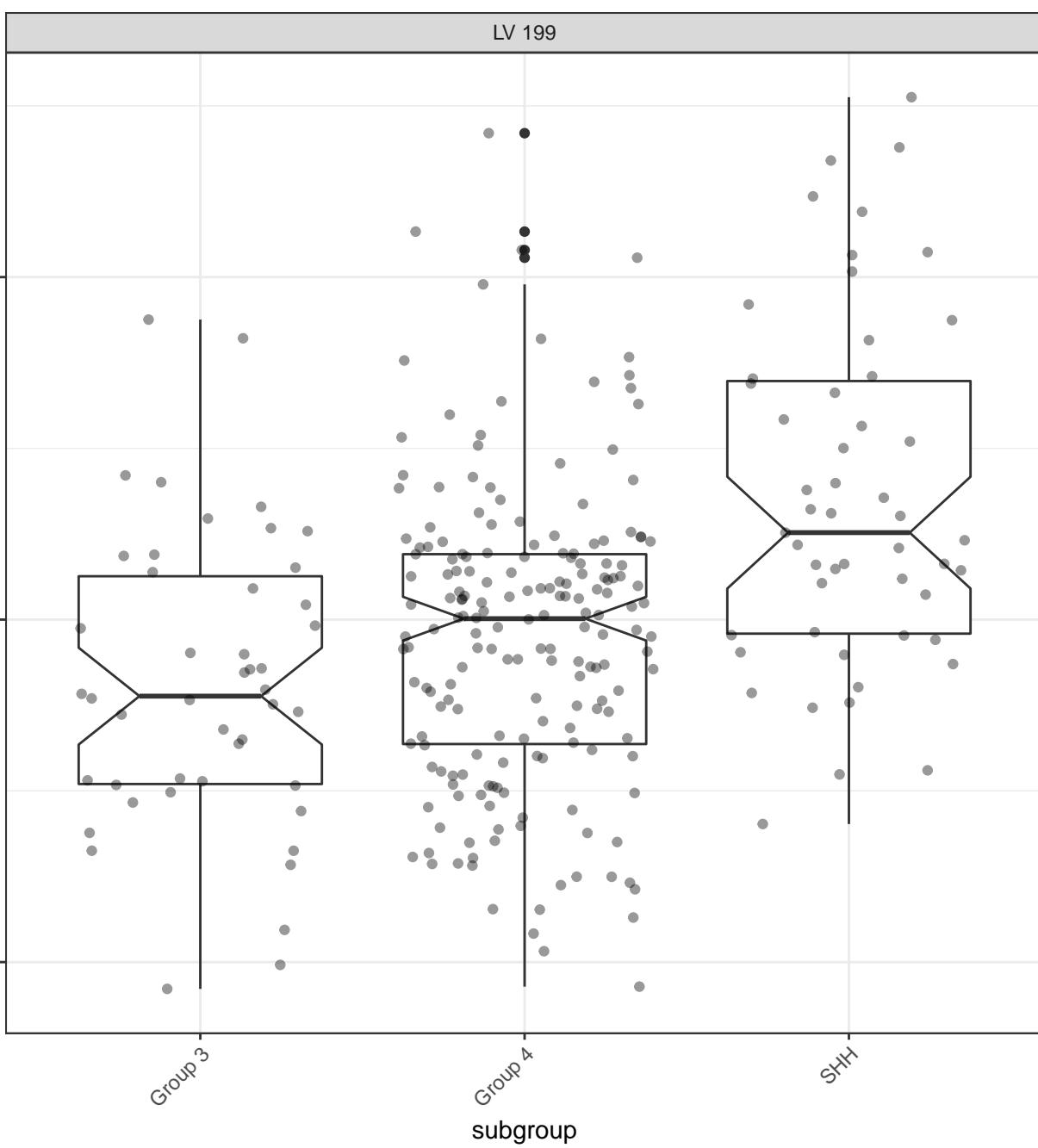
-0.05

Group 3

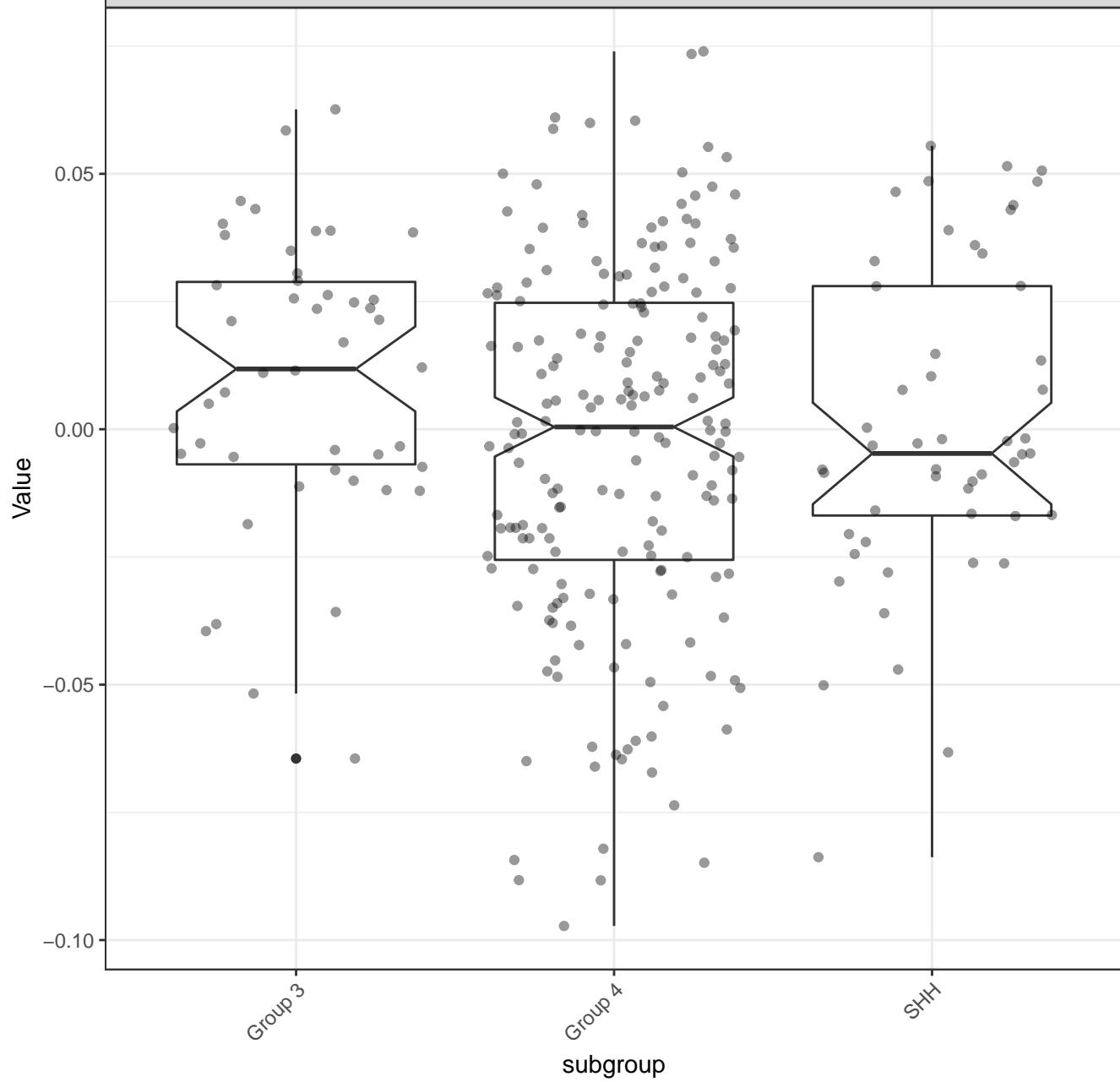
subgroup

Group 4

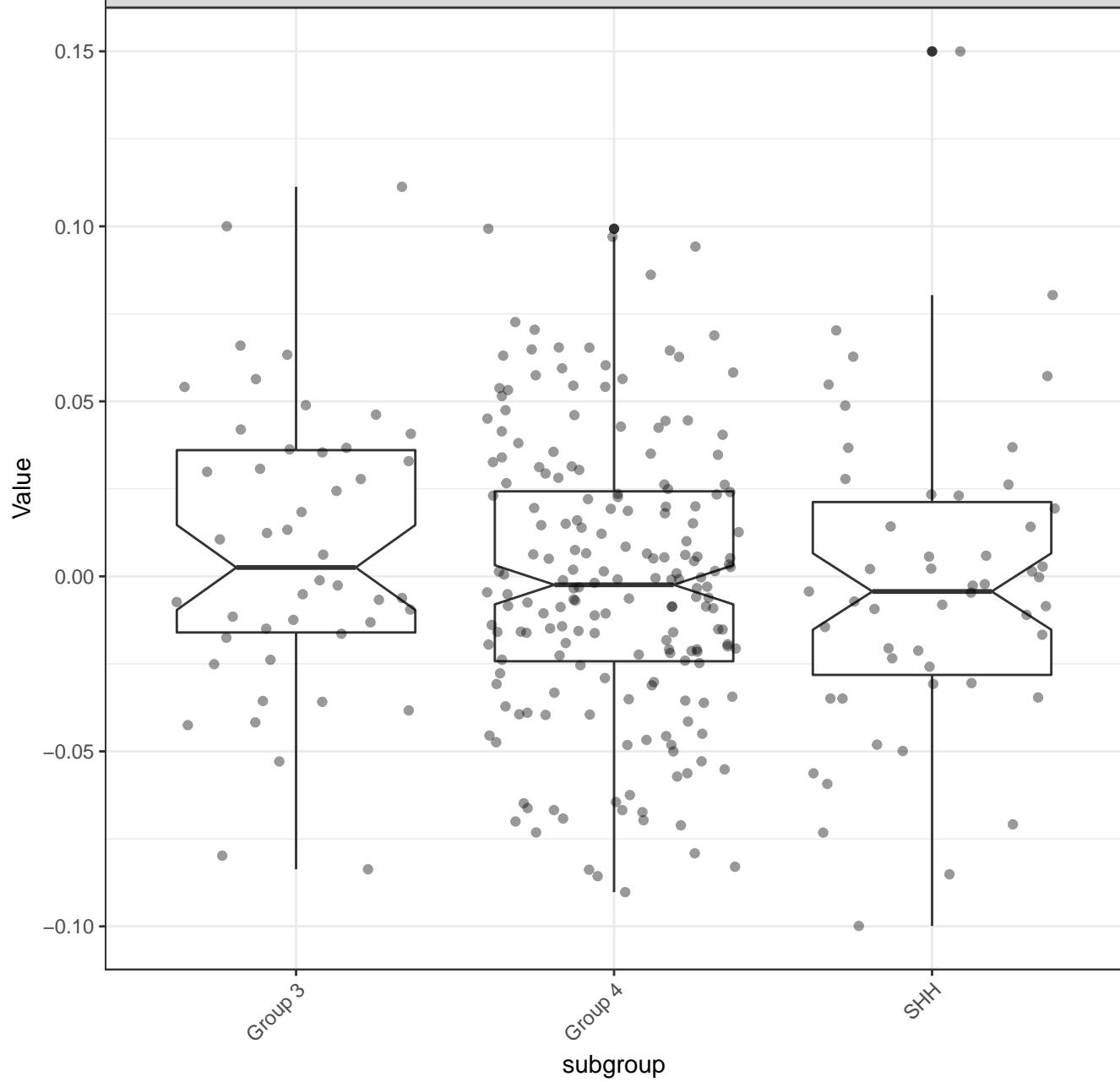
SHH



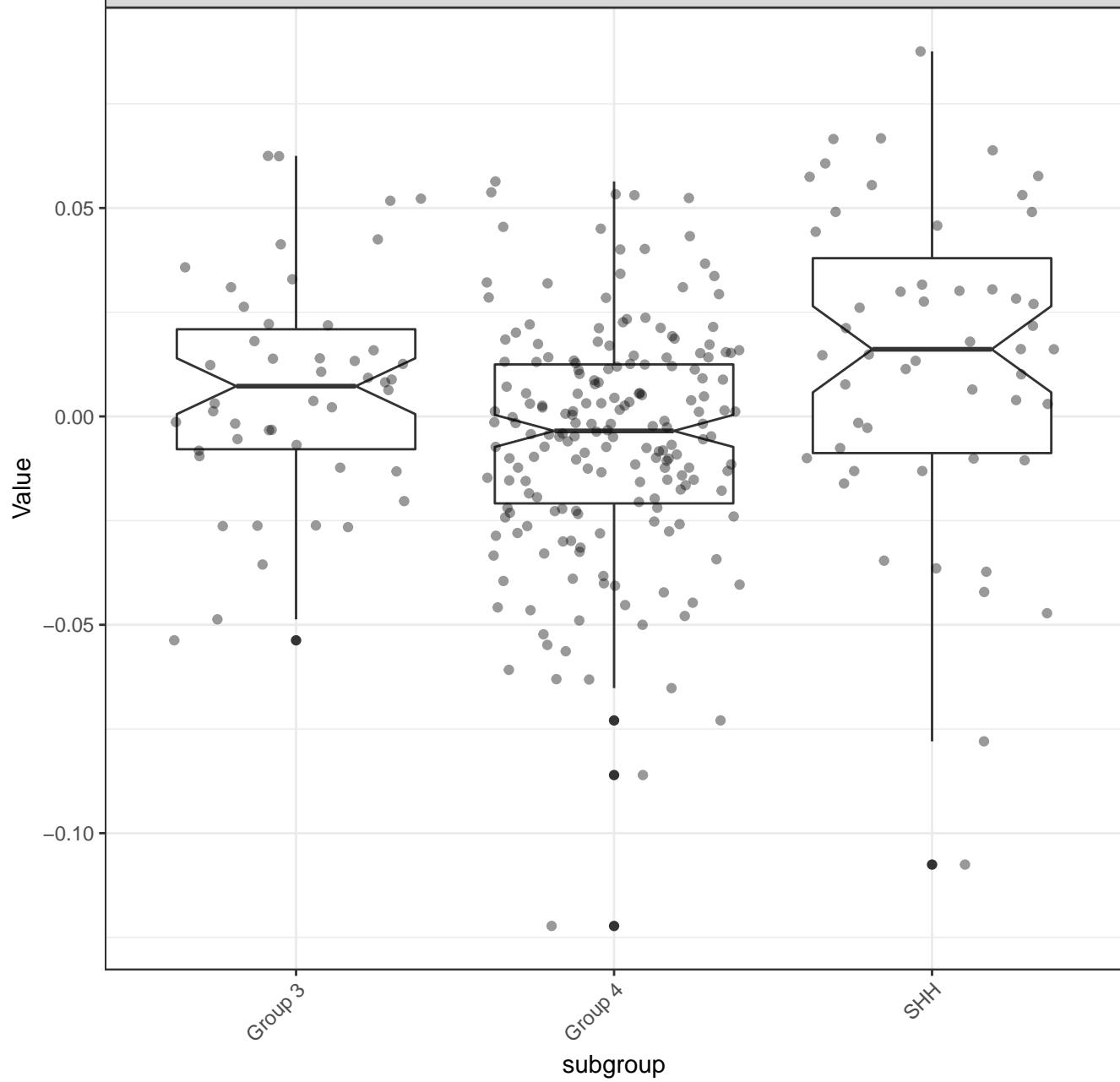
LV 200



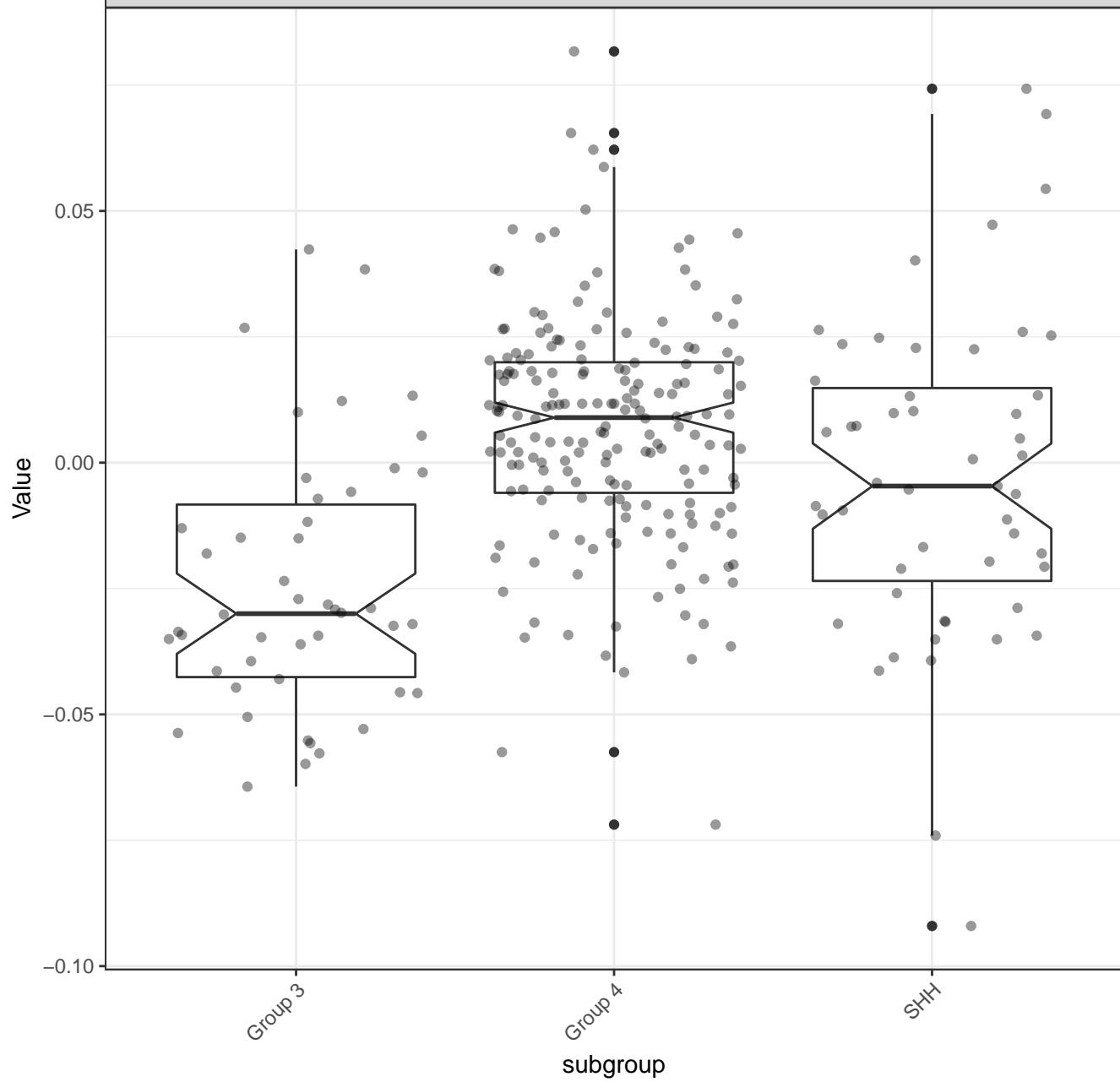
201,MIPS_MEDIATOR_COMPLEX



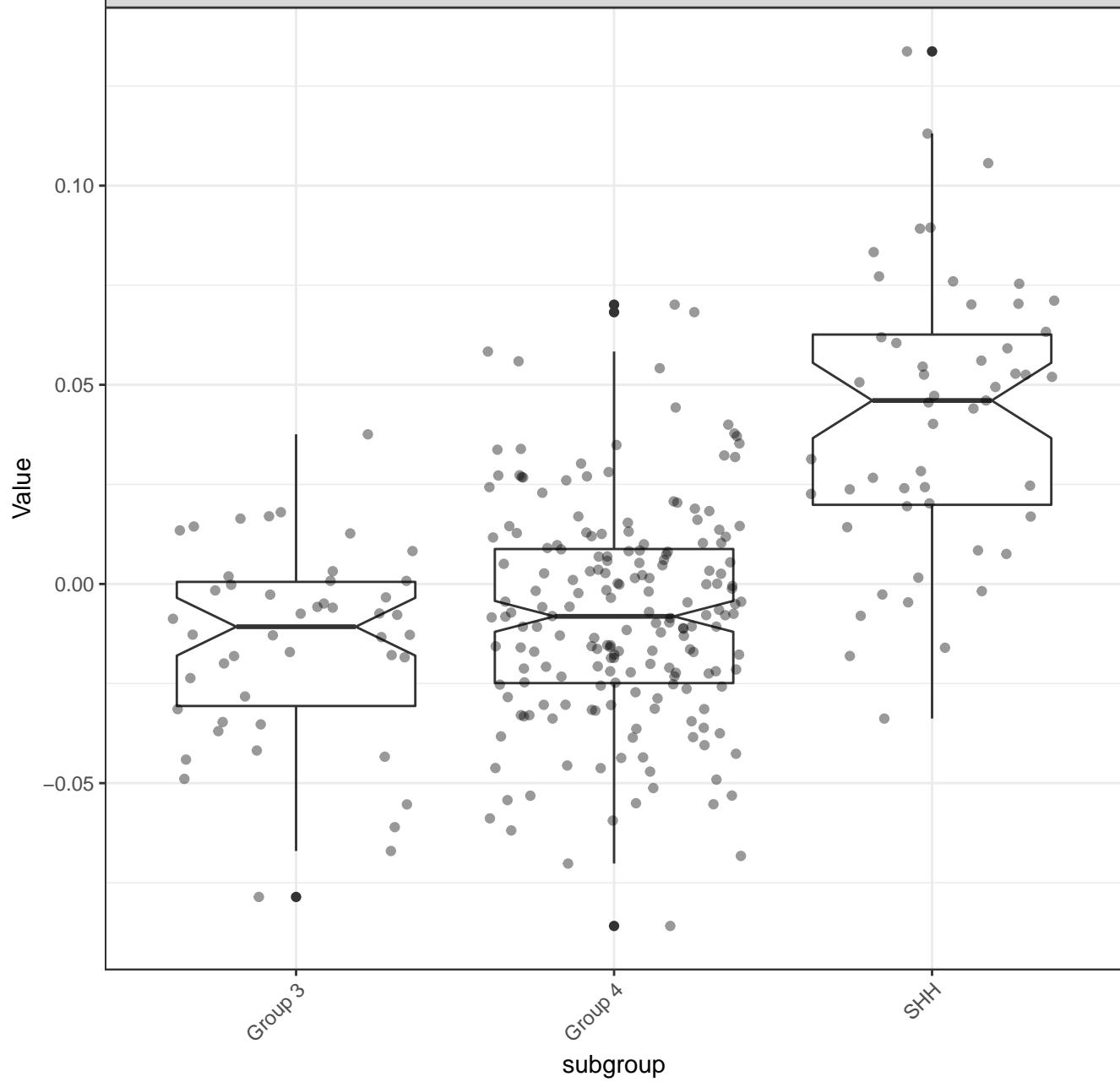
LV 202



LV 203



LV 204



LV 205

Value

0.05

0.00

-0.05

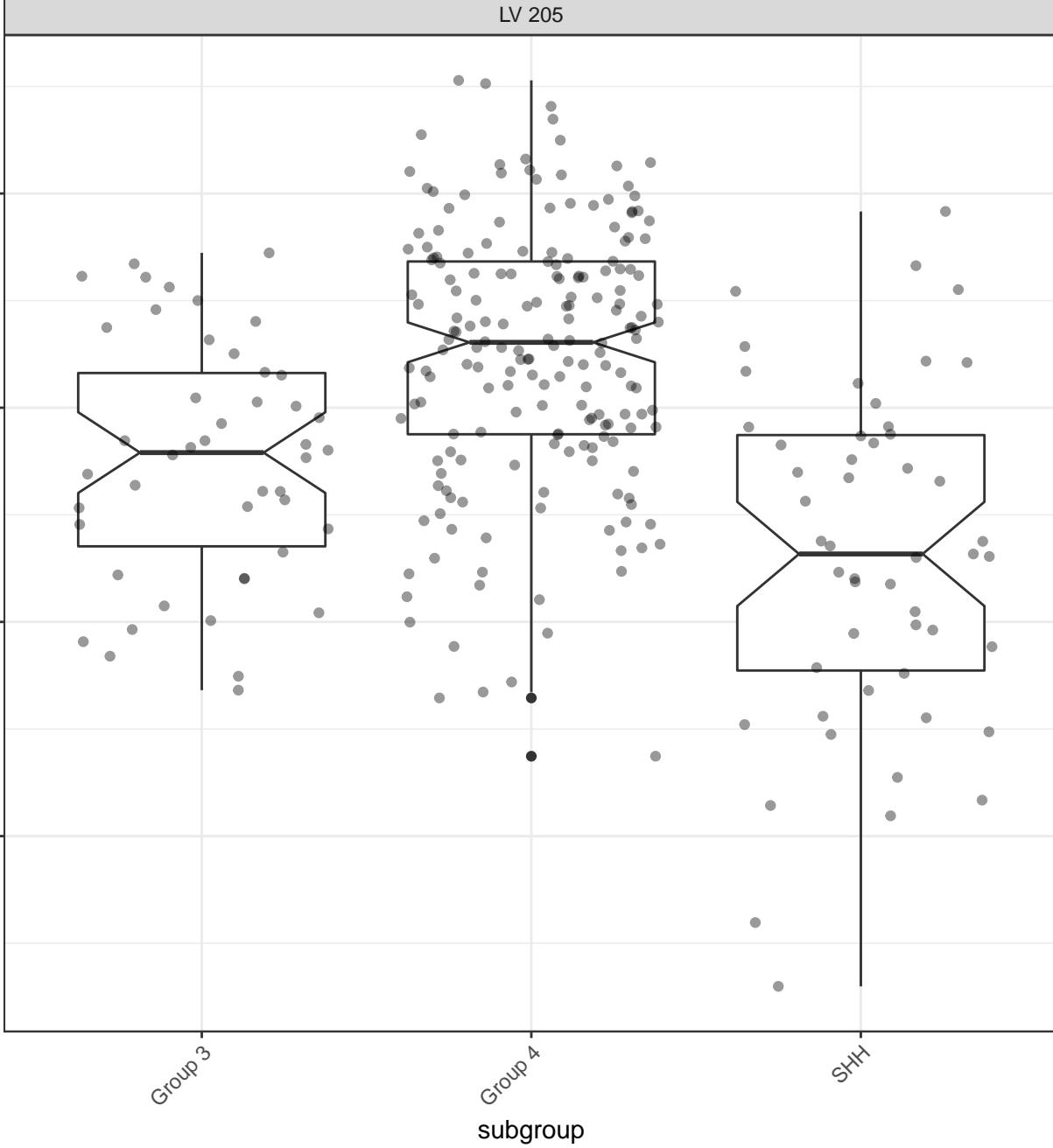
-0.10

Group 3

Group 4

SHH

subgroup



LV 206

Value

0.05

0.00

-0.05

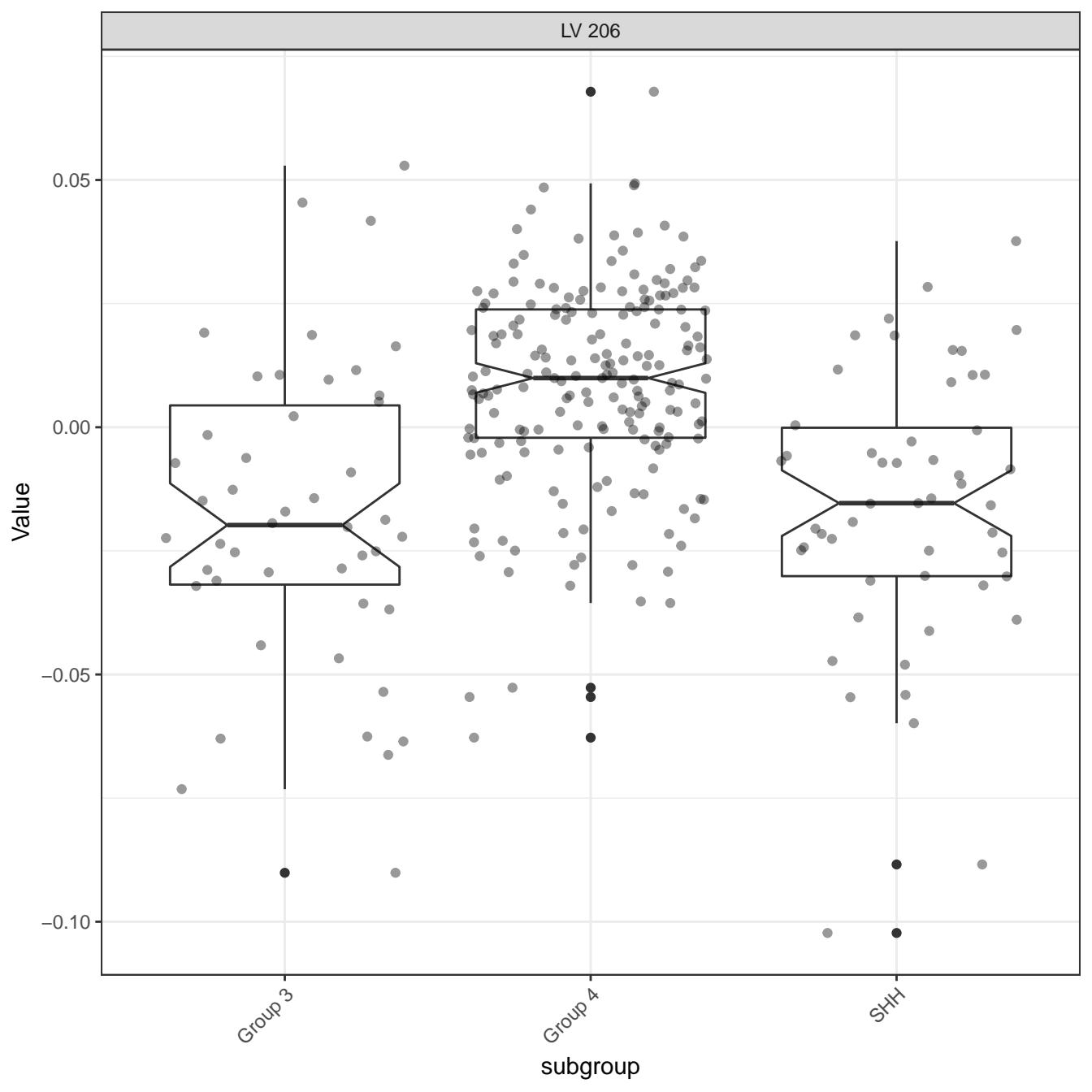
-0.10

Group 3

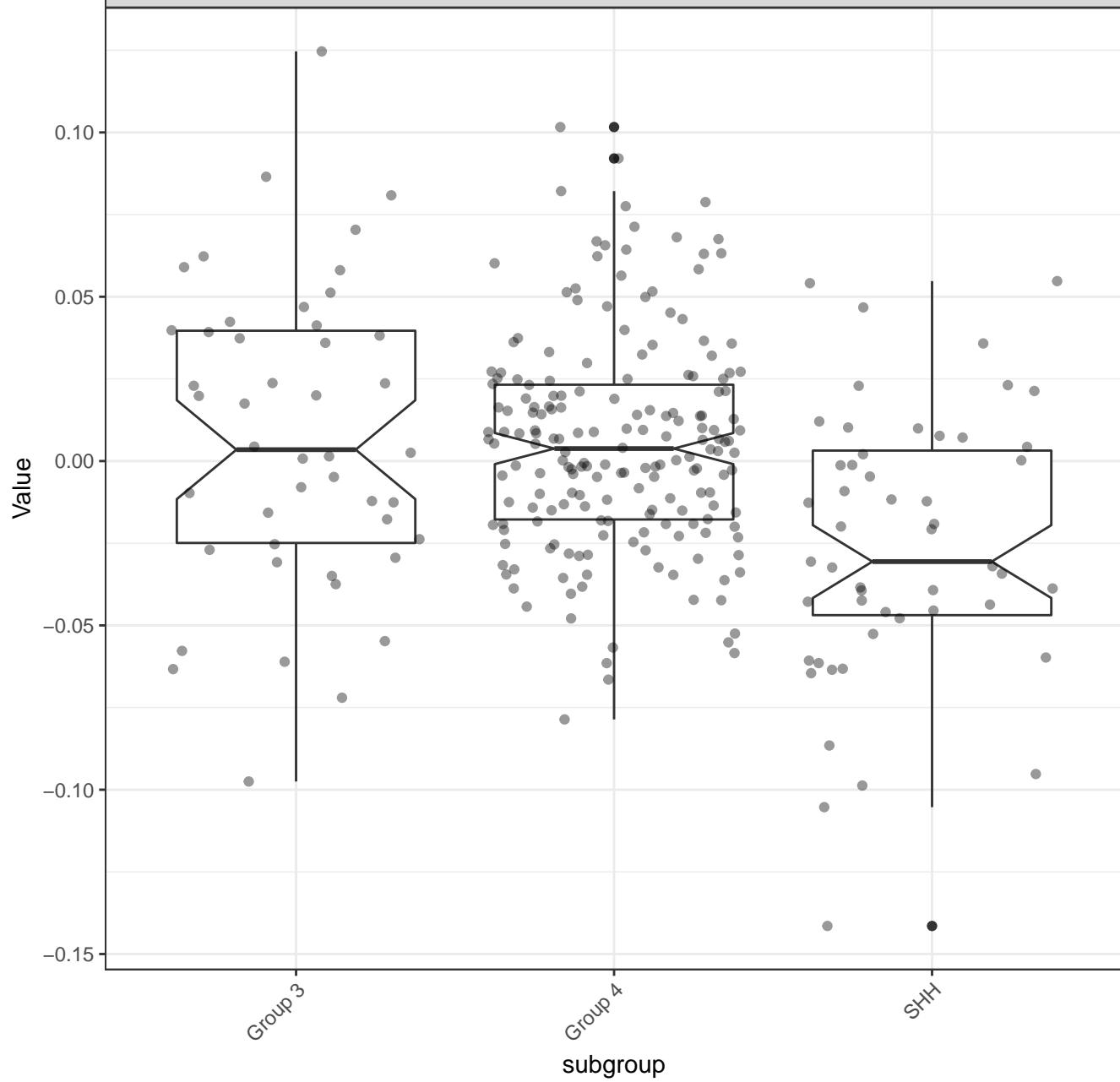
subgroup

Group 4

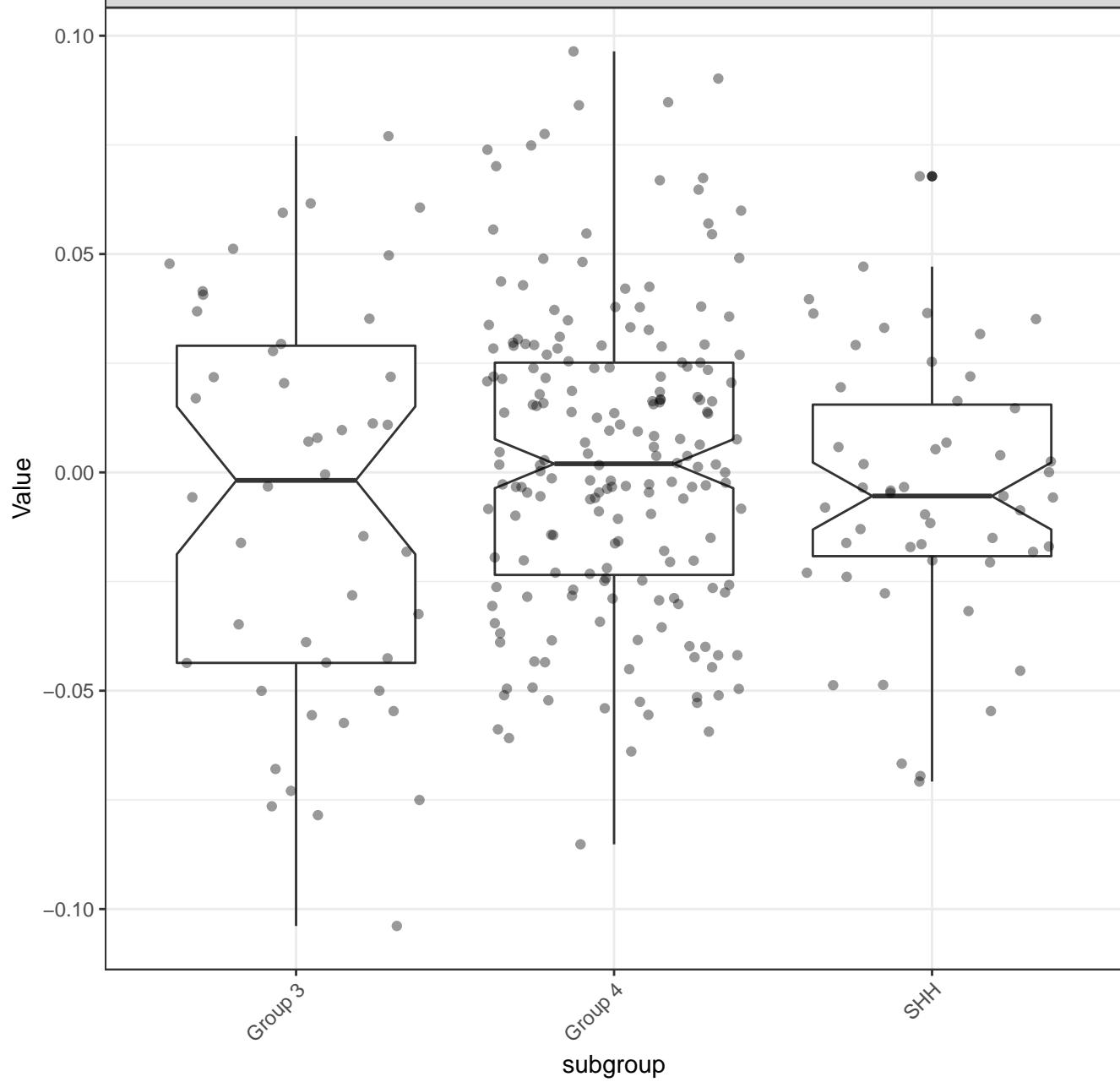
SHH



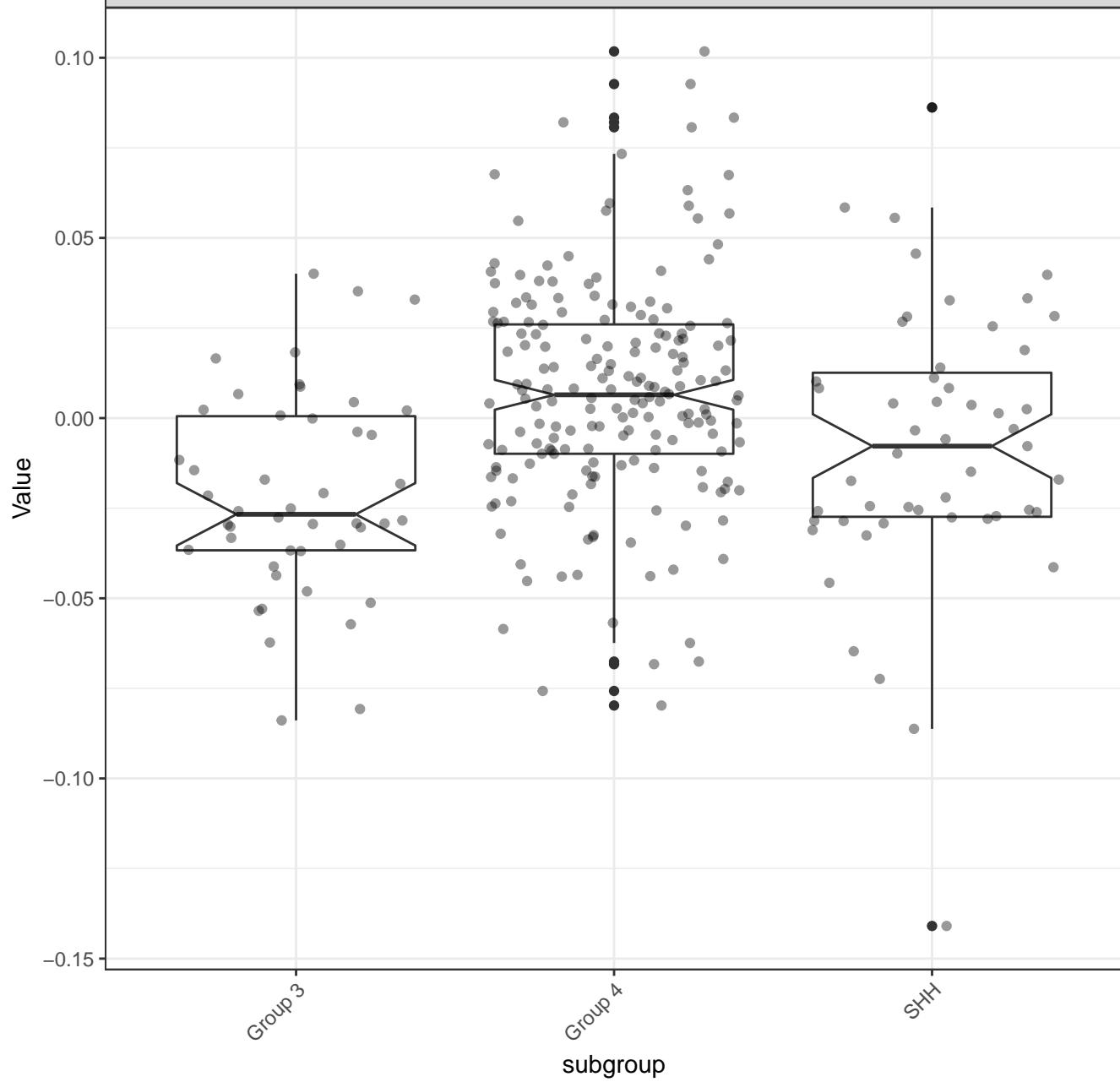
LV 207



LV 208

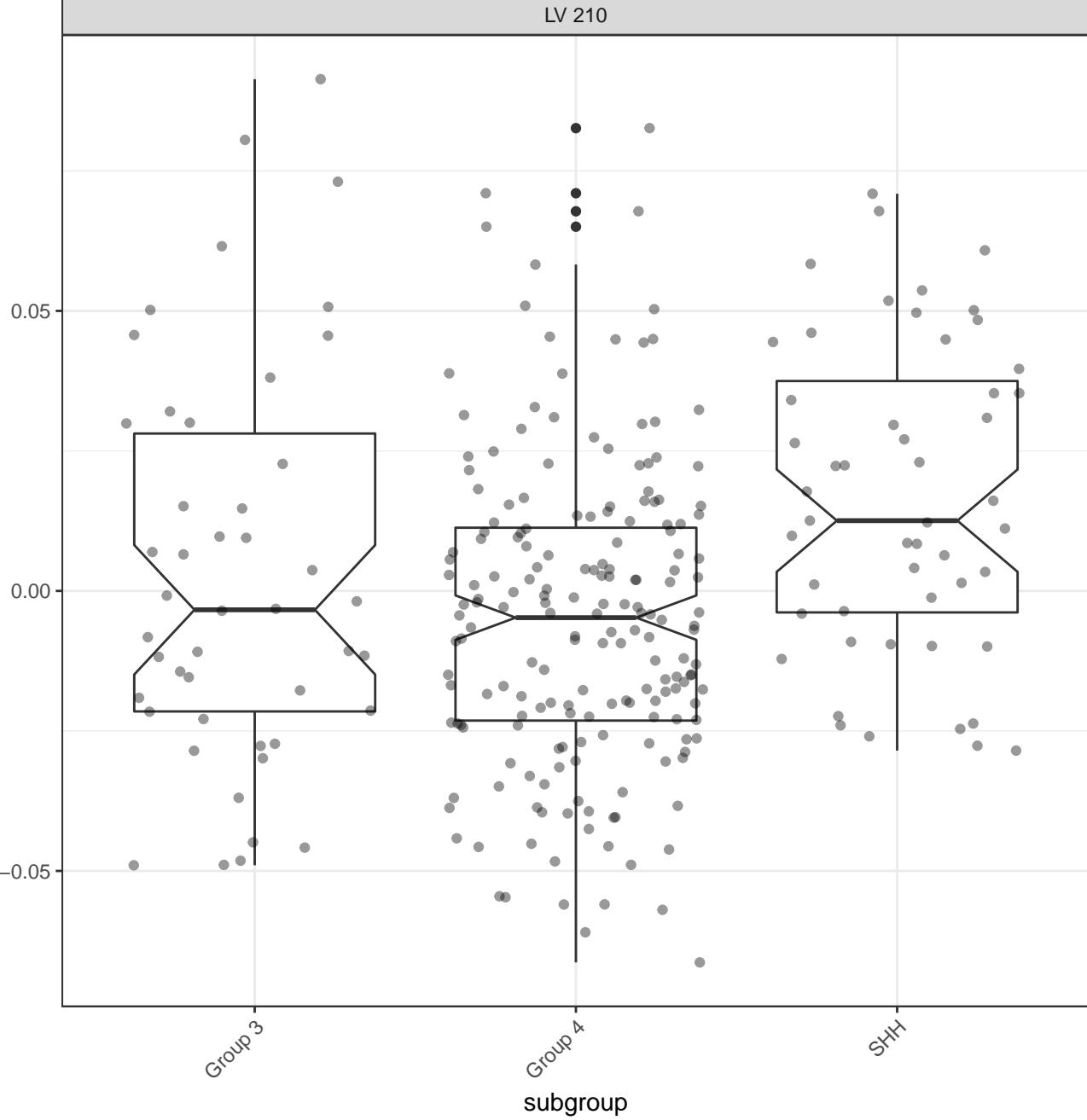


LV 209

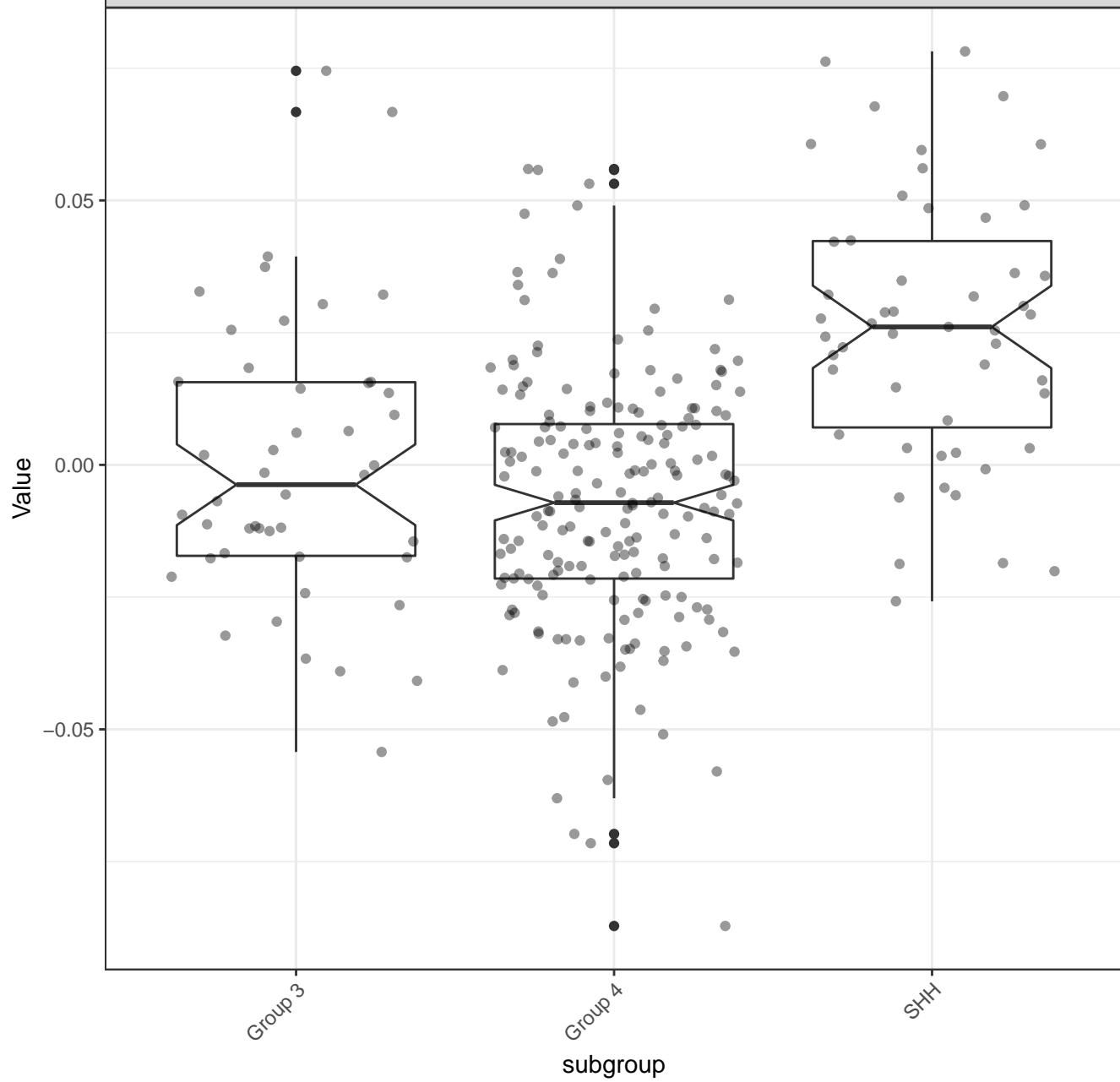


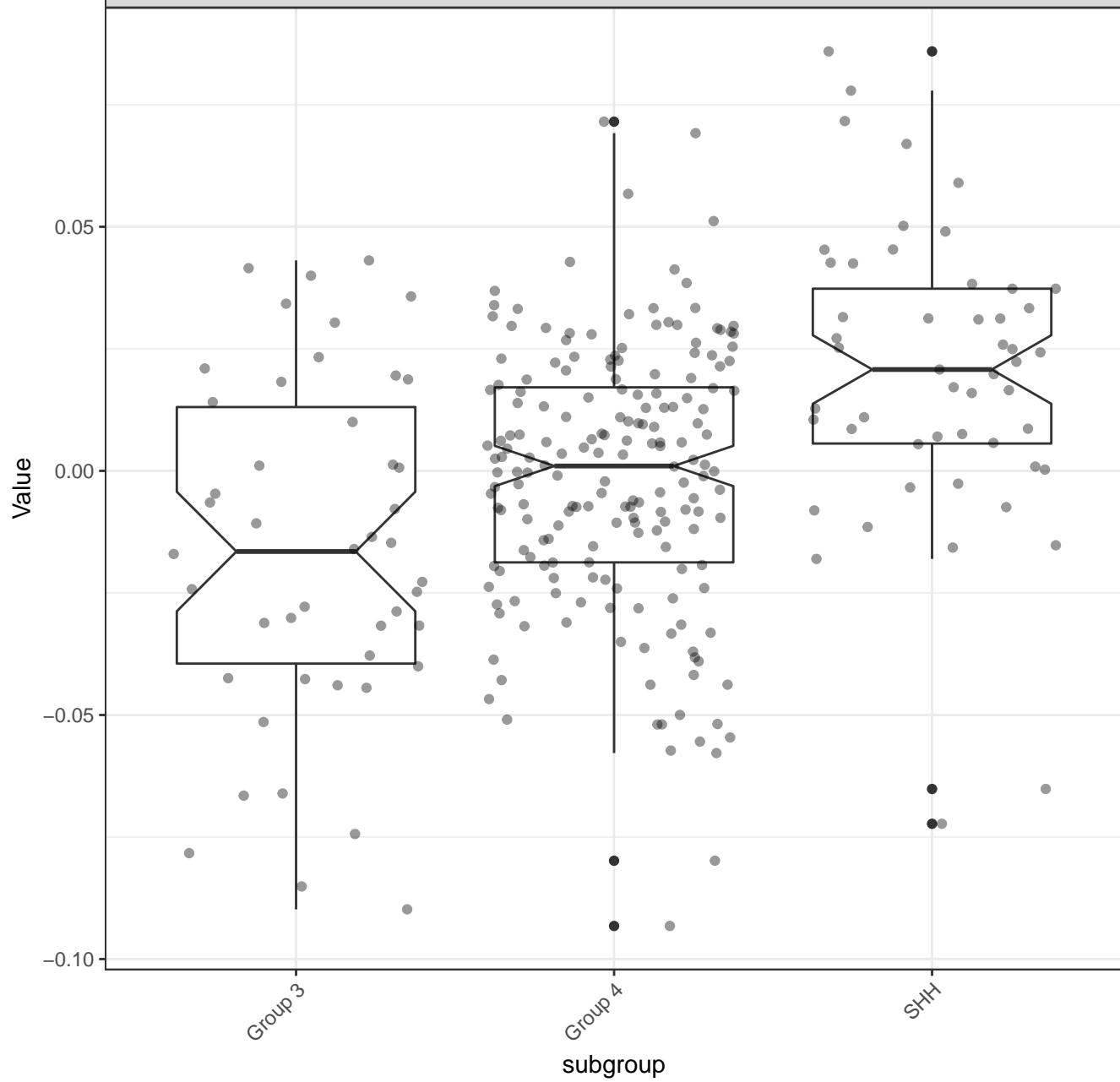
LV 210

Value



LV 211





Value

0.10

0.05

0.00

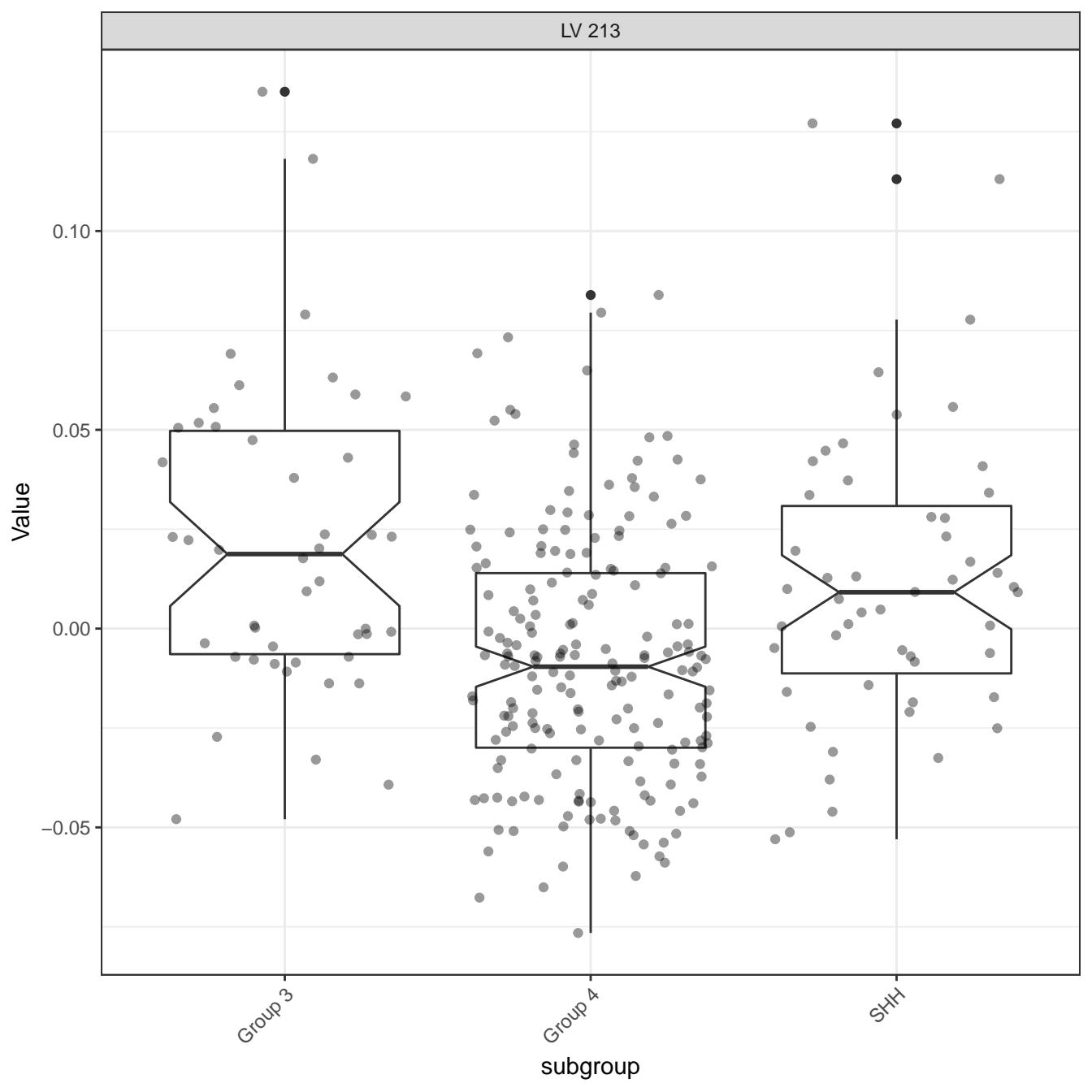
-0.05

Group 3

subgroup

SHH

Group 4



LV 214

Value

0.05

0.00

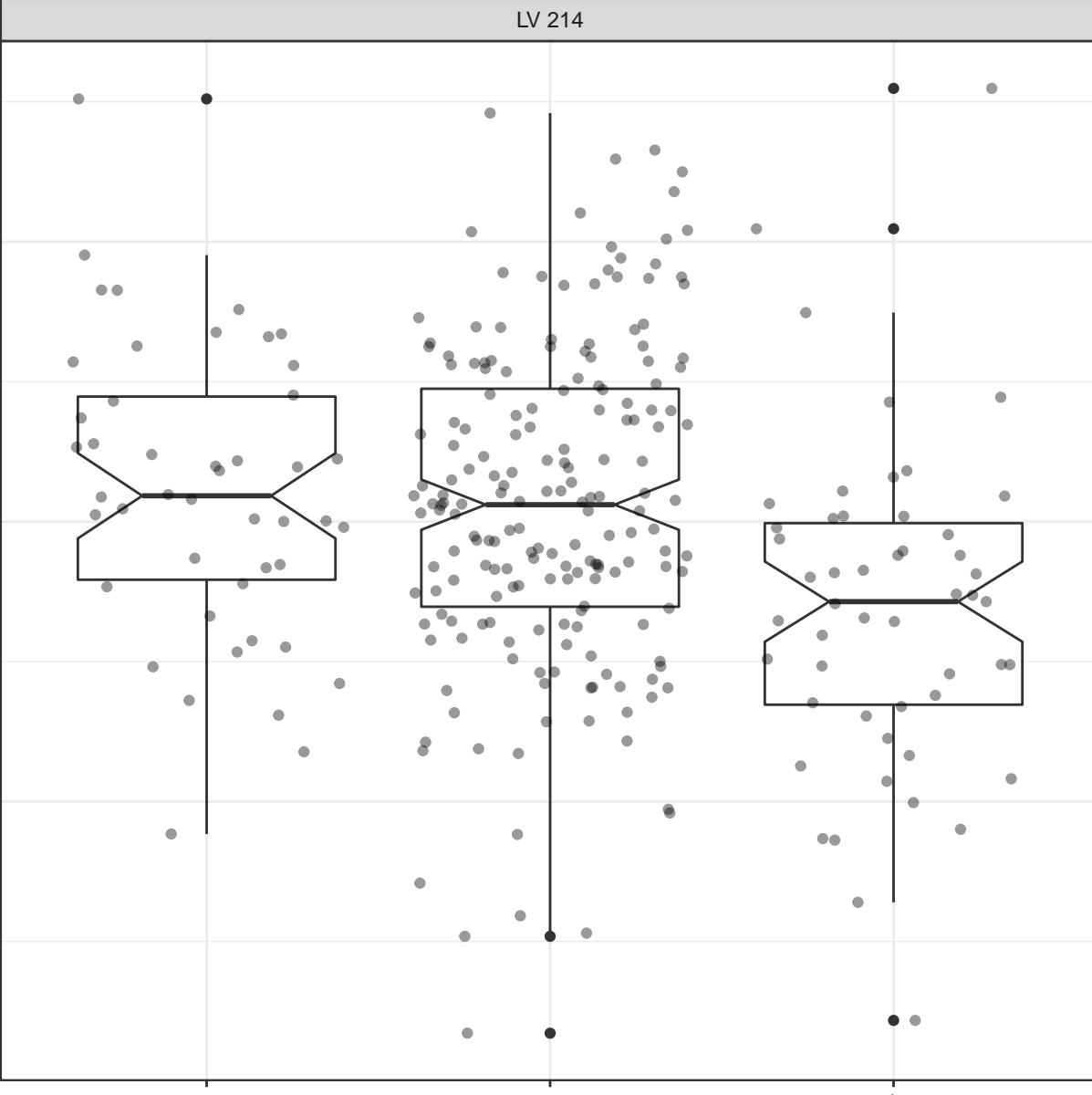
-0.05

Group 3

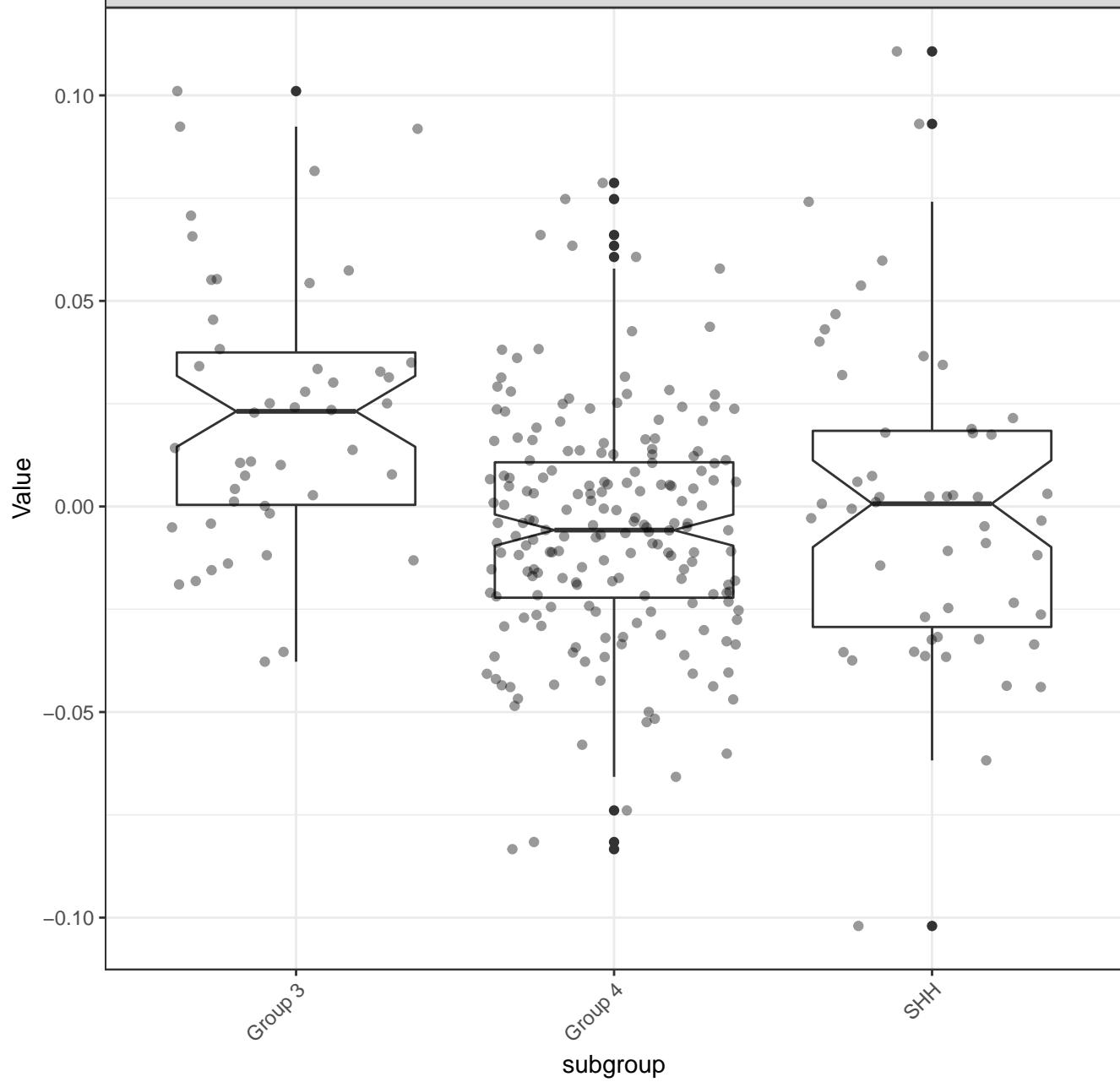
subgroup

Group 4

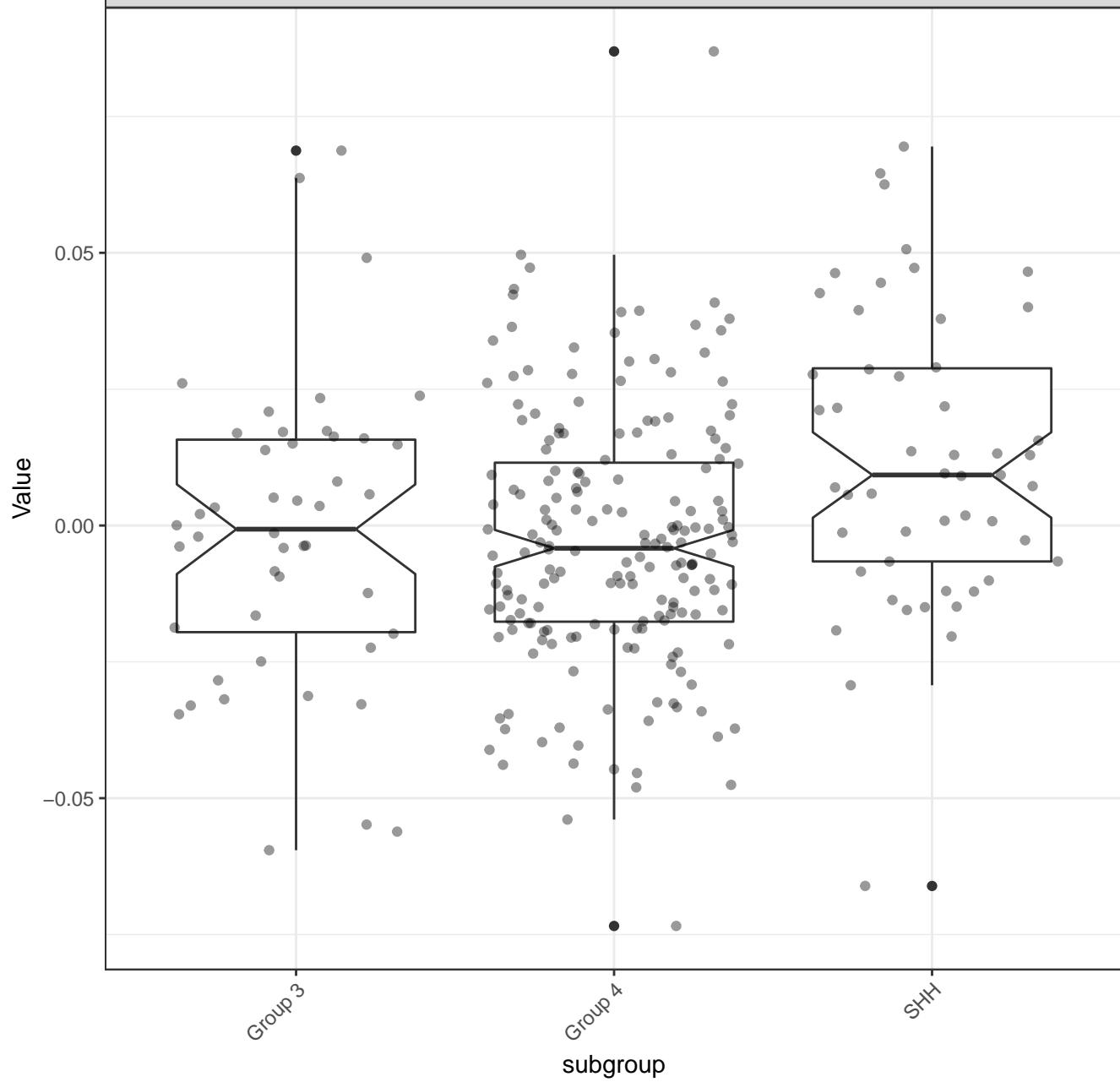
SHH



LV 215



LV 216



Value

0.05

0.00

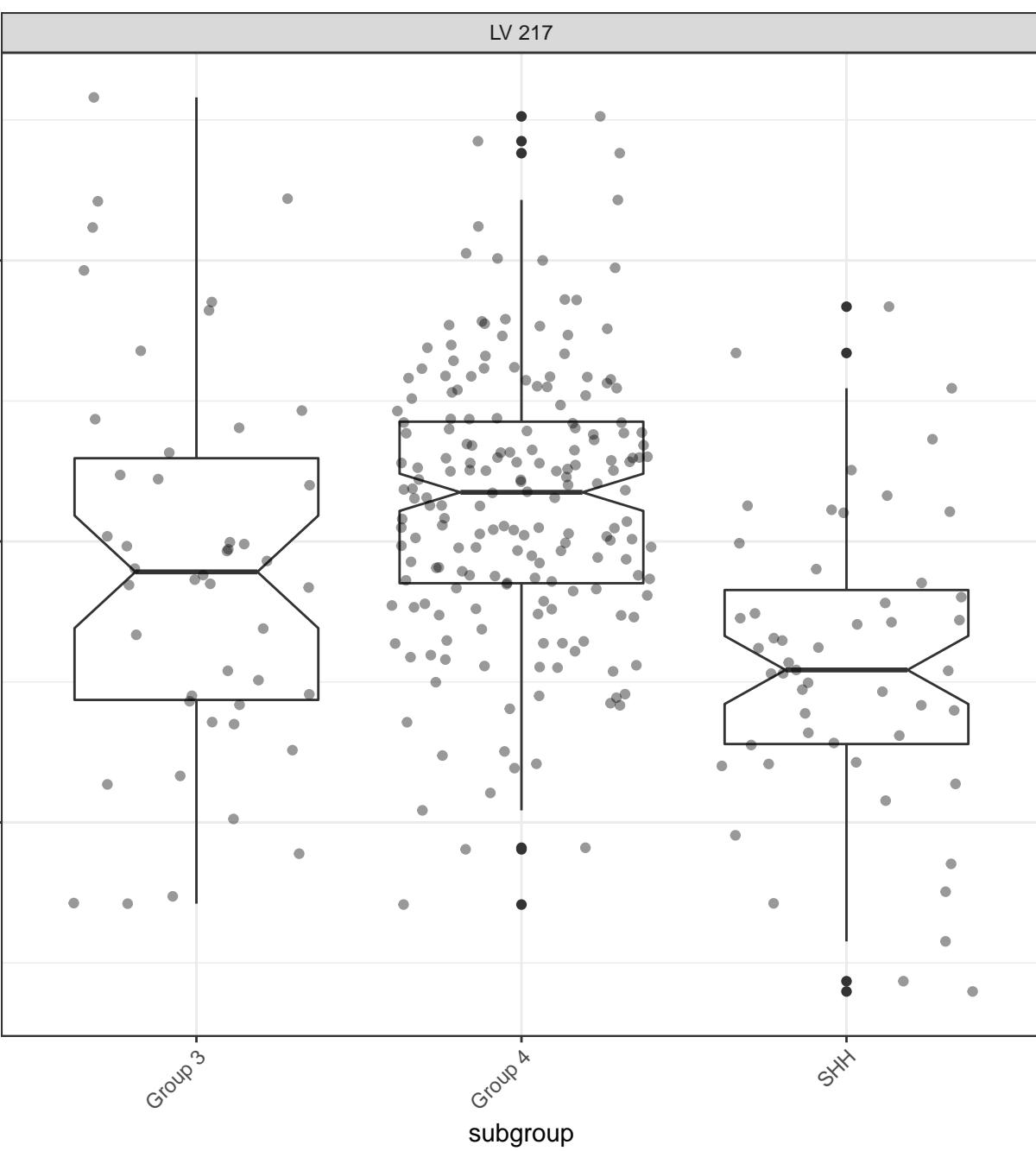
-0.05

Group 3

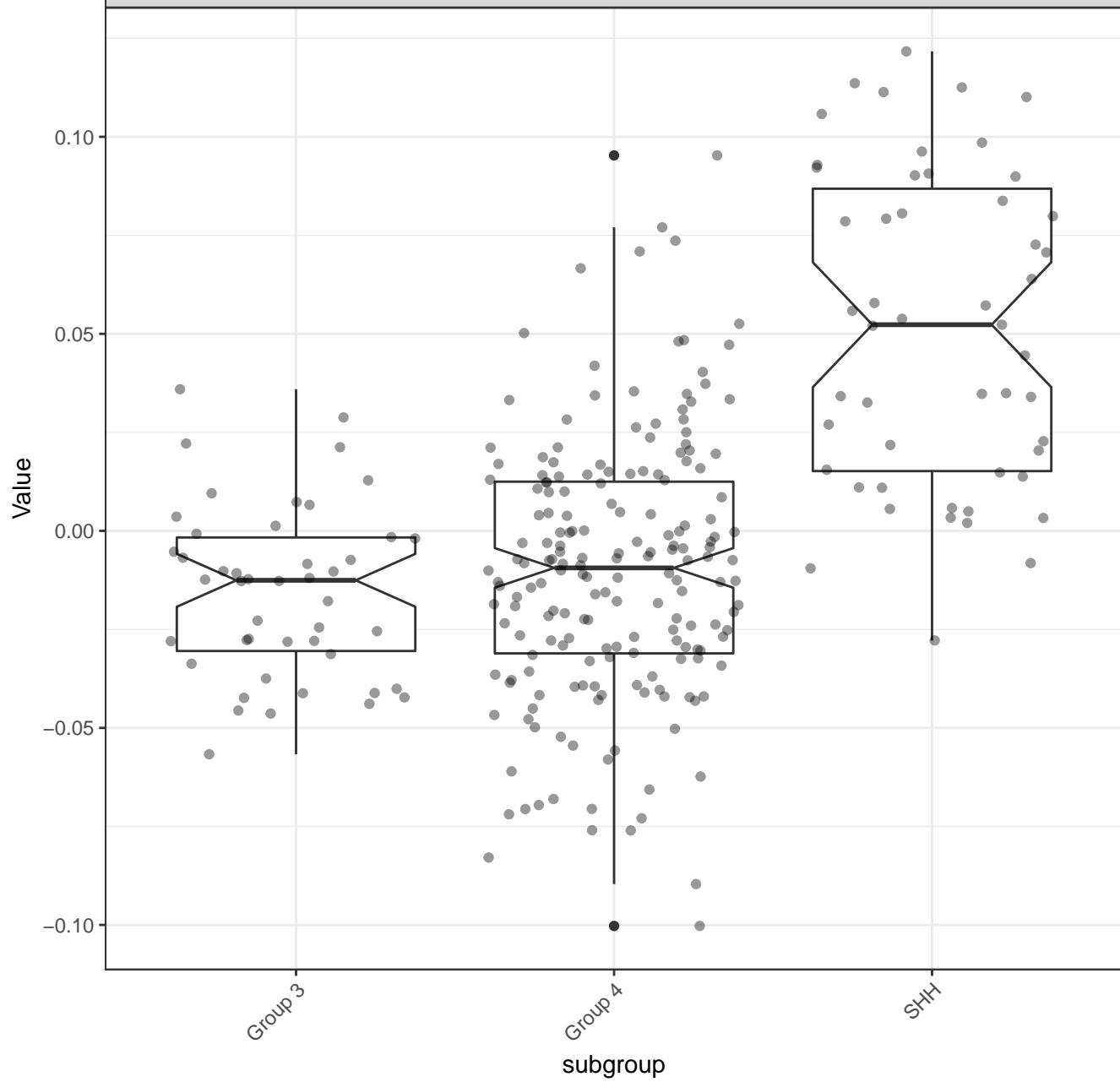
subgroup

Group 4

SHH

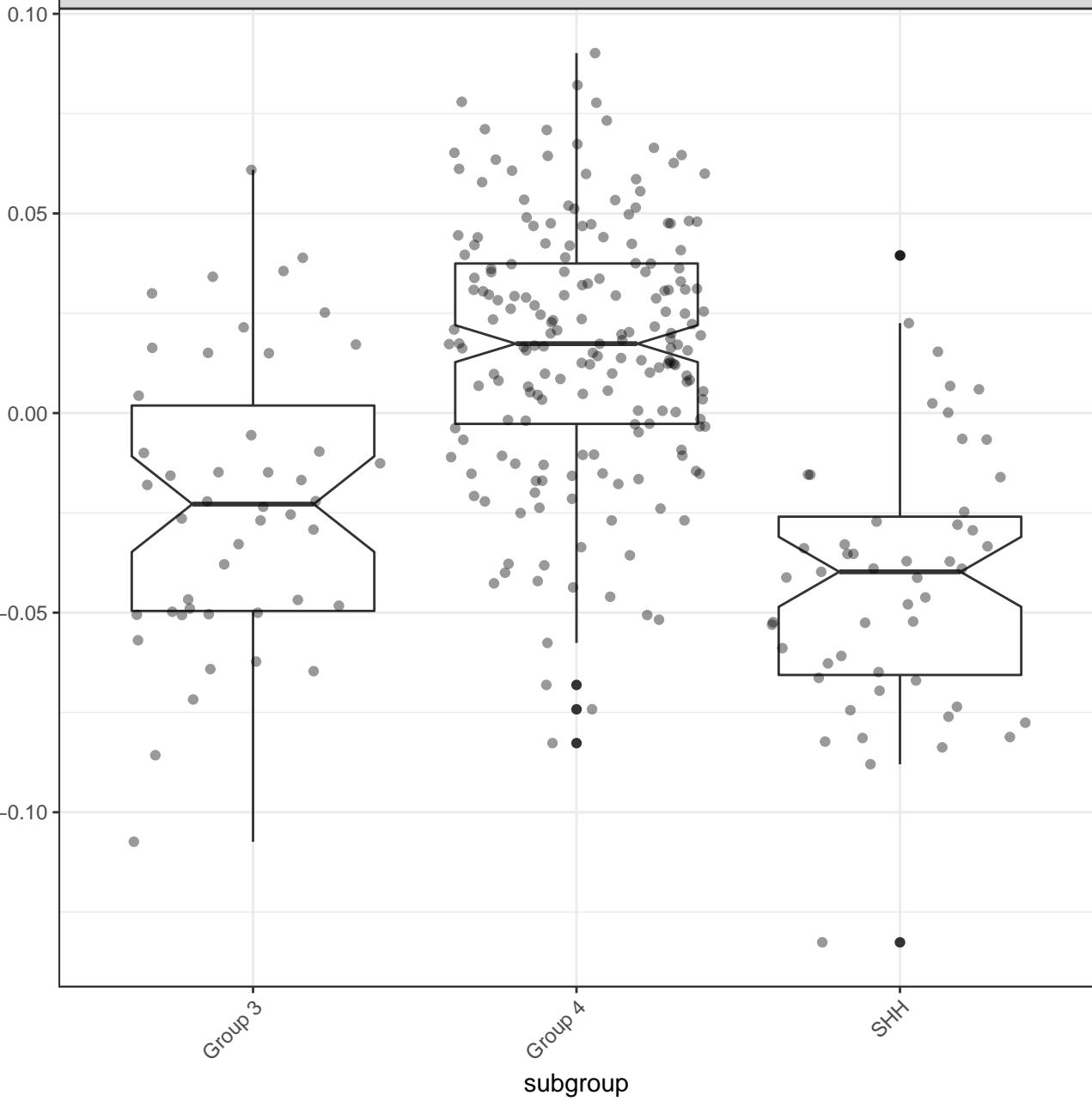


LV 218

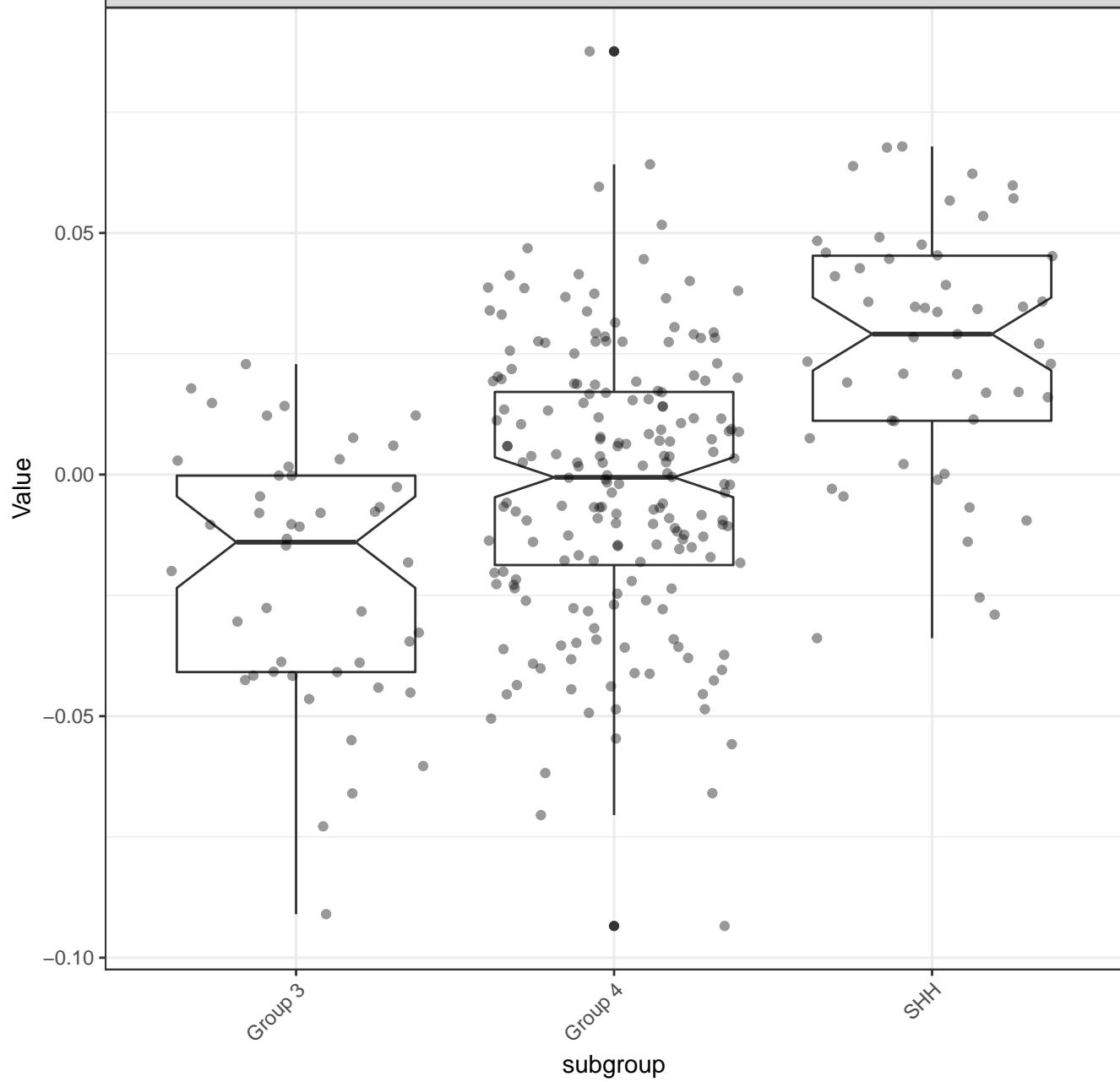


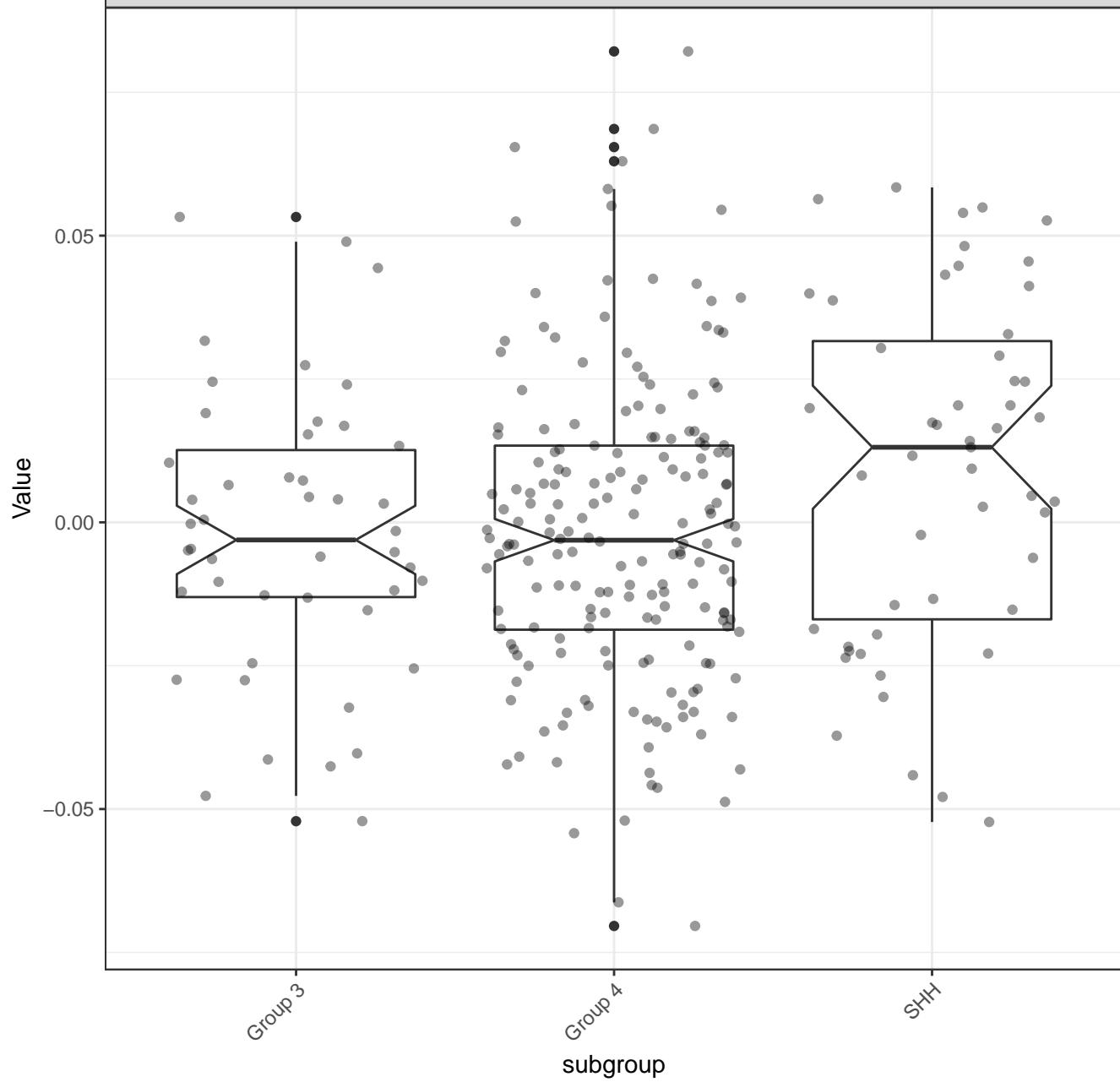
LV 219

Value

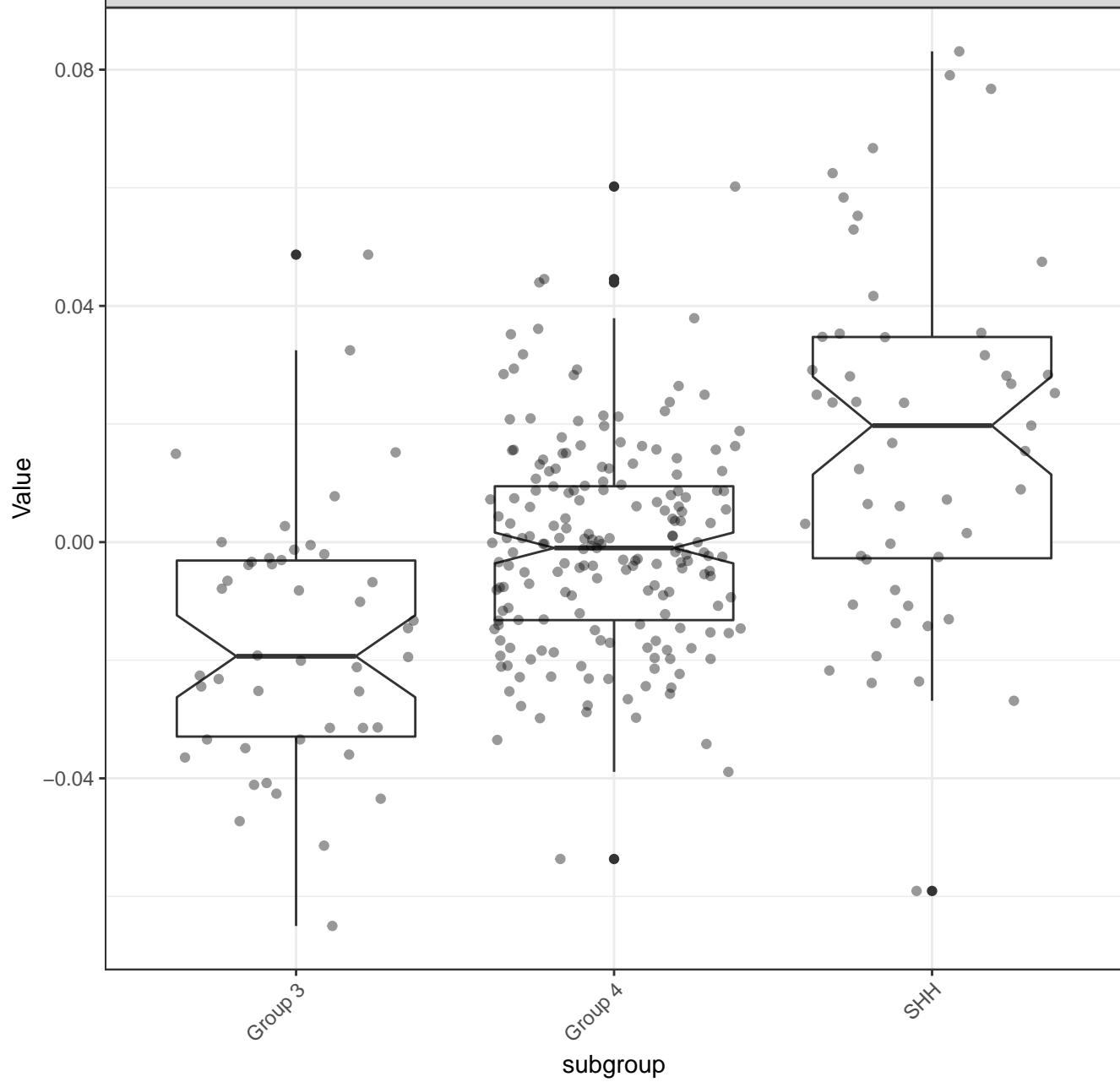


LV 220





LV 222



LV 223

Value

0.05

0.00

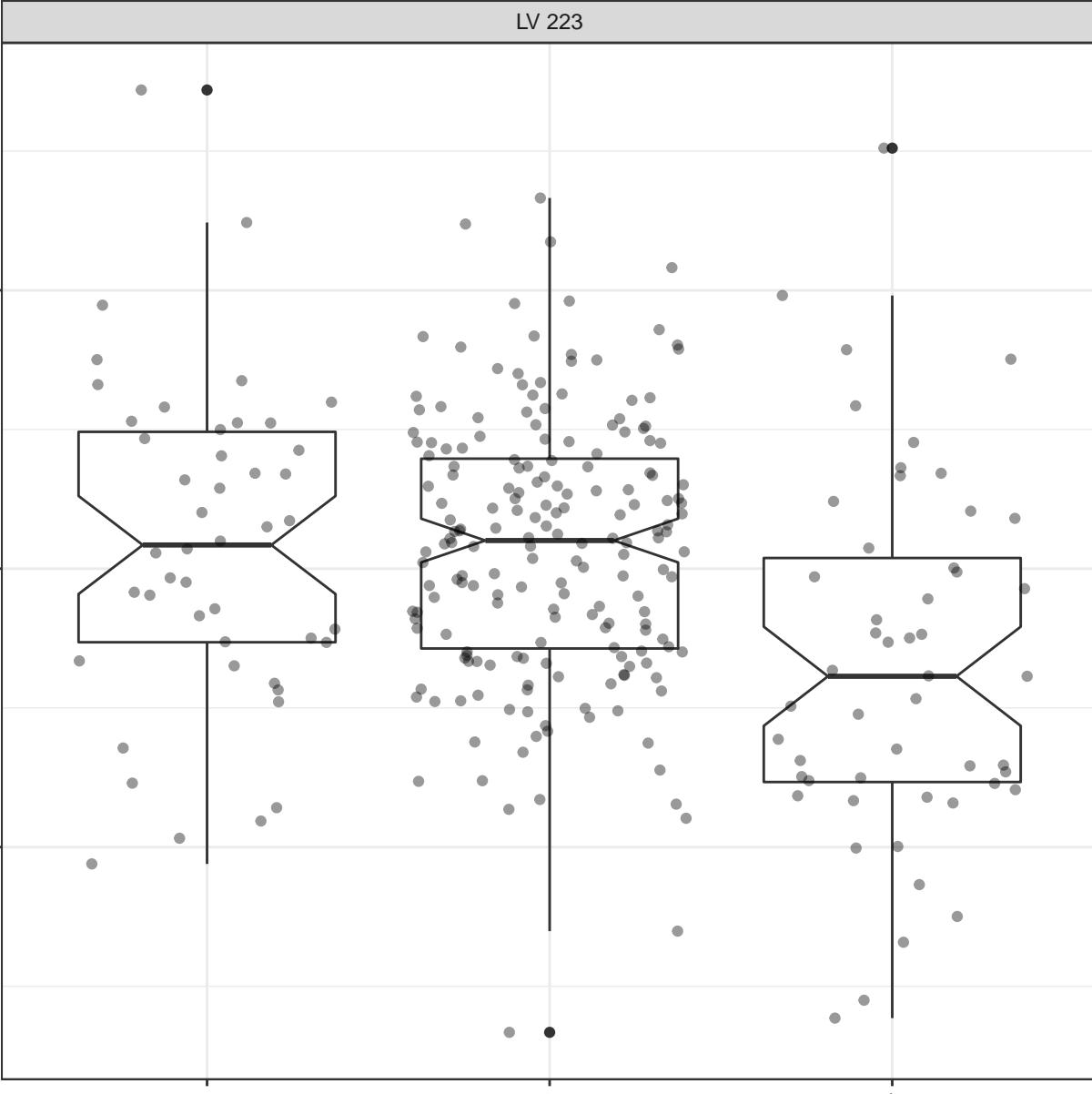
-0.05

Group 3

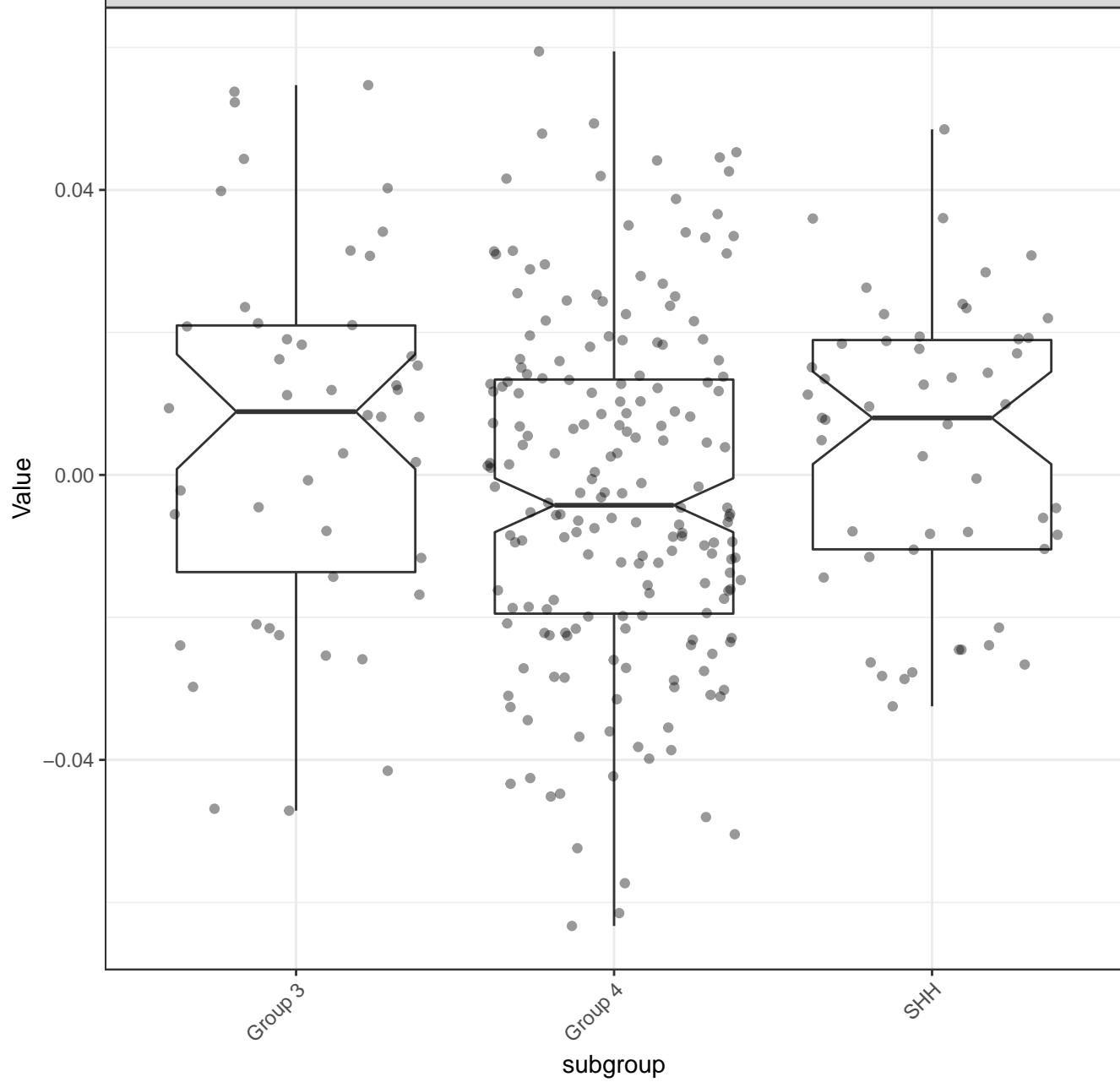
subgroup

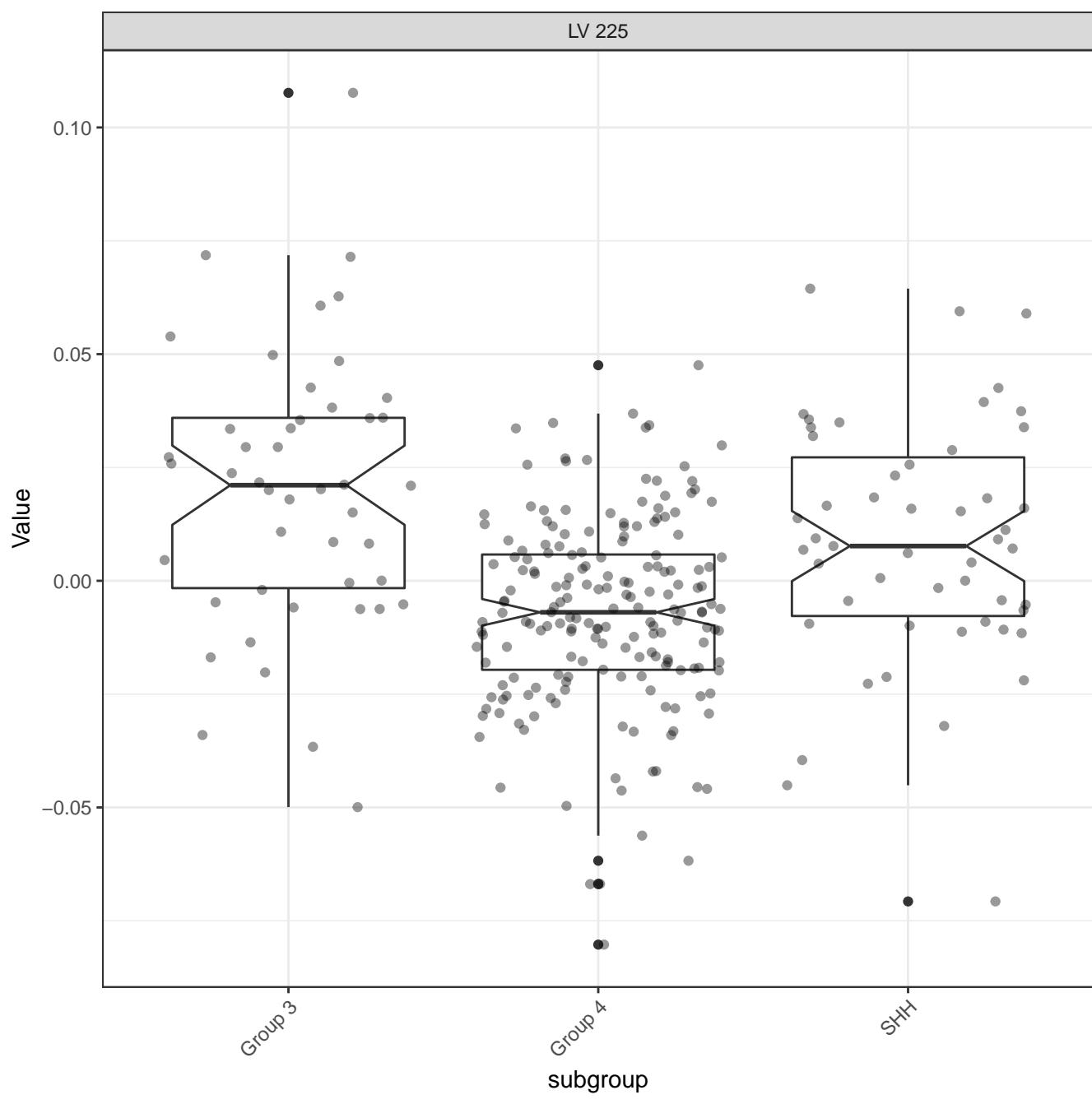
Group 4

SHH

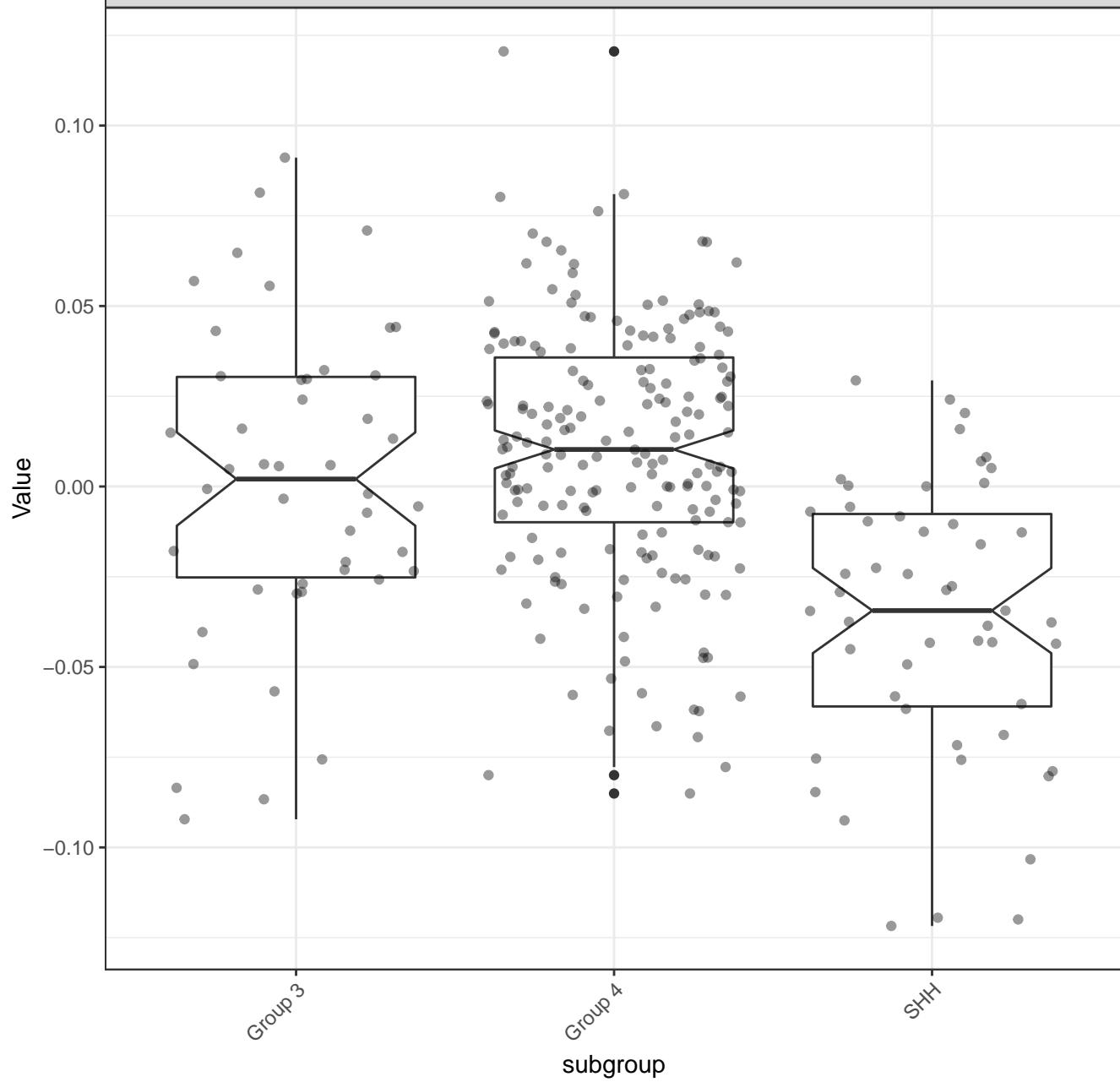


LV 224

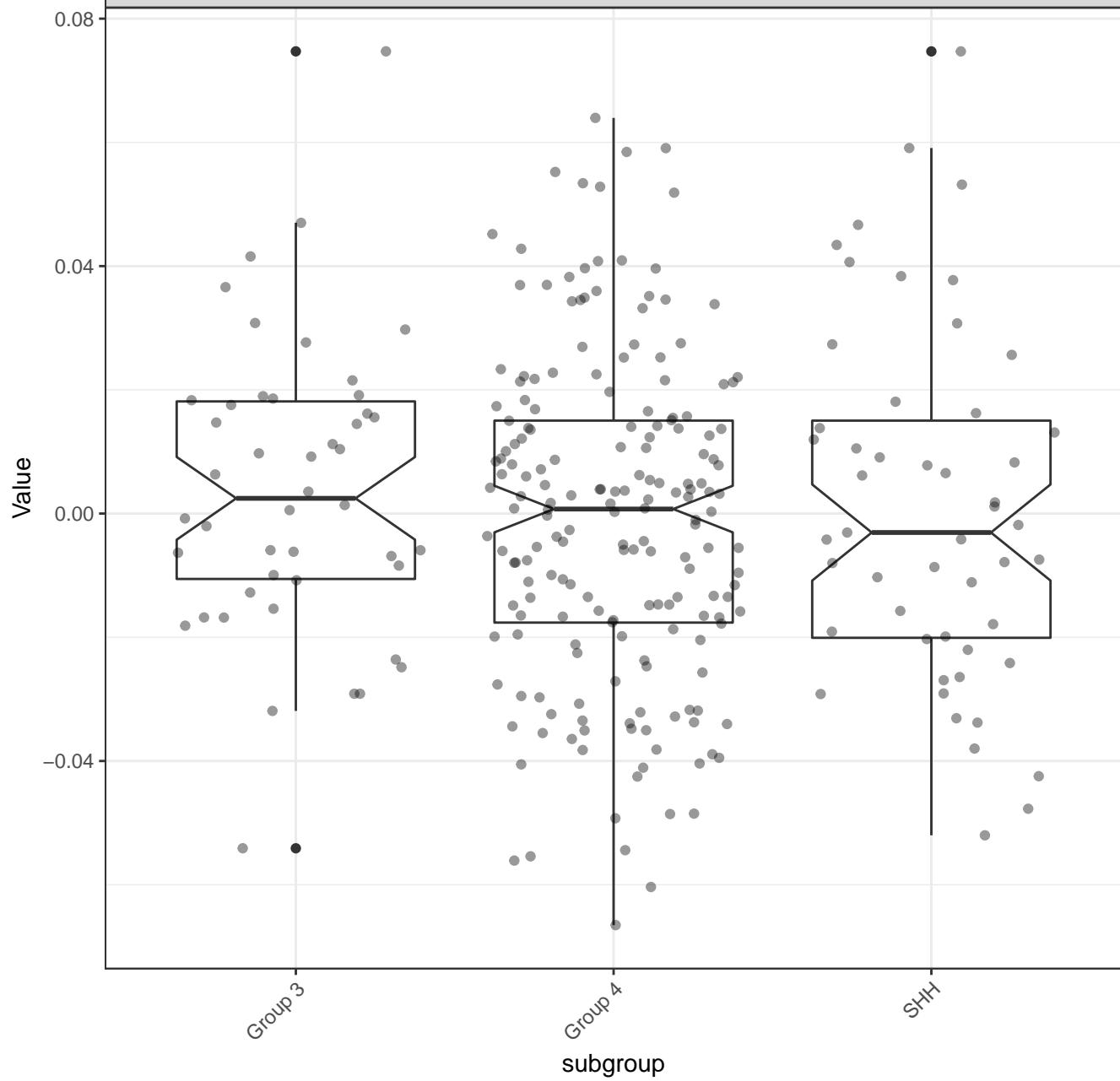


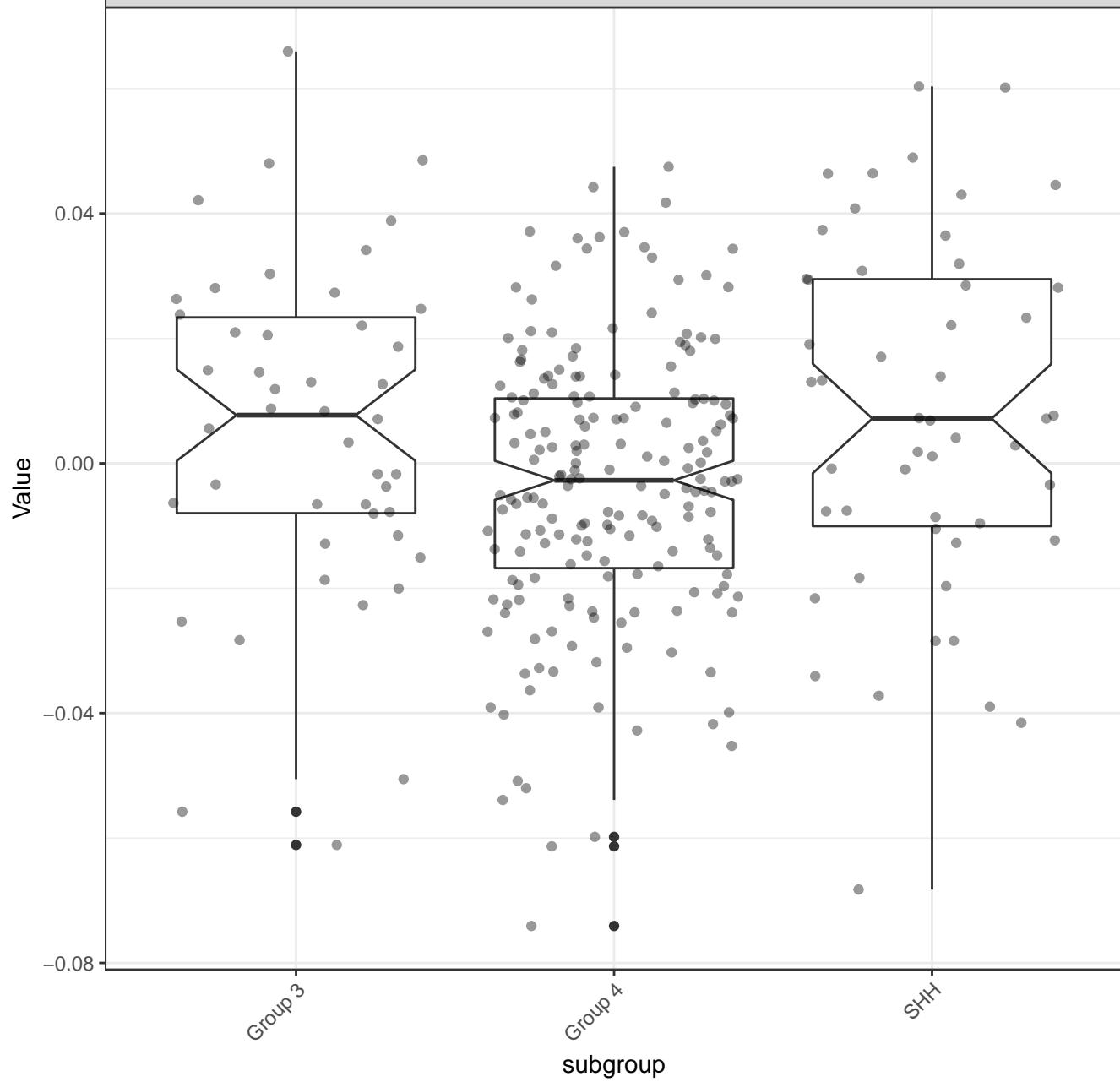


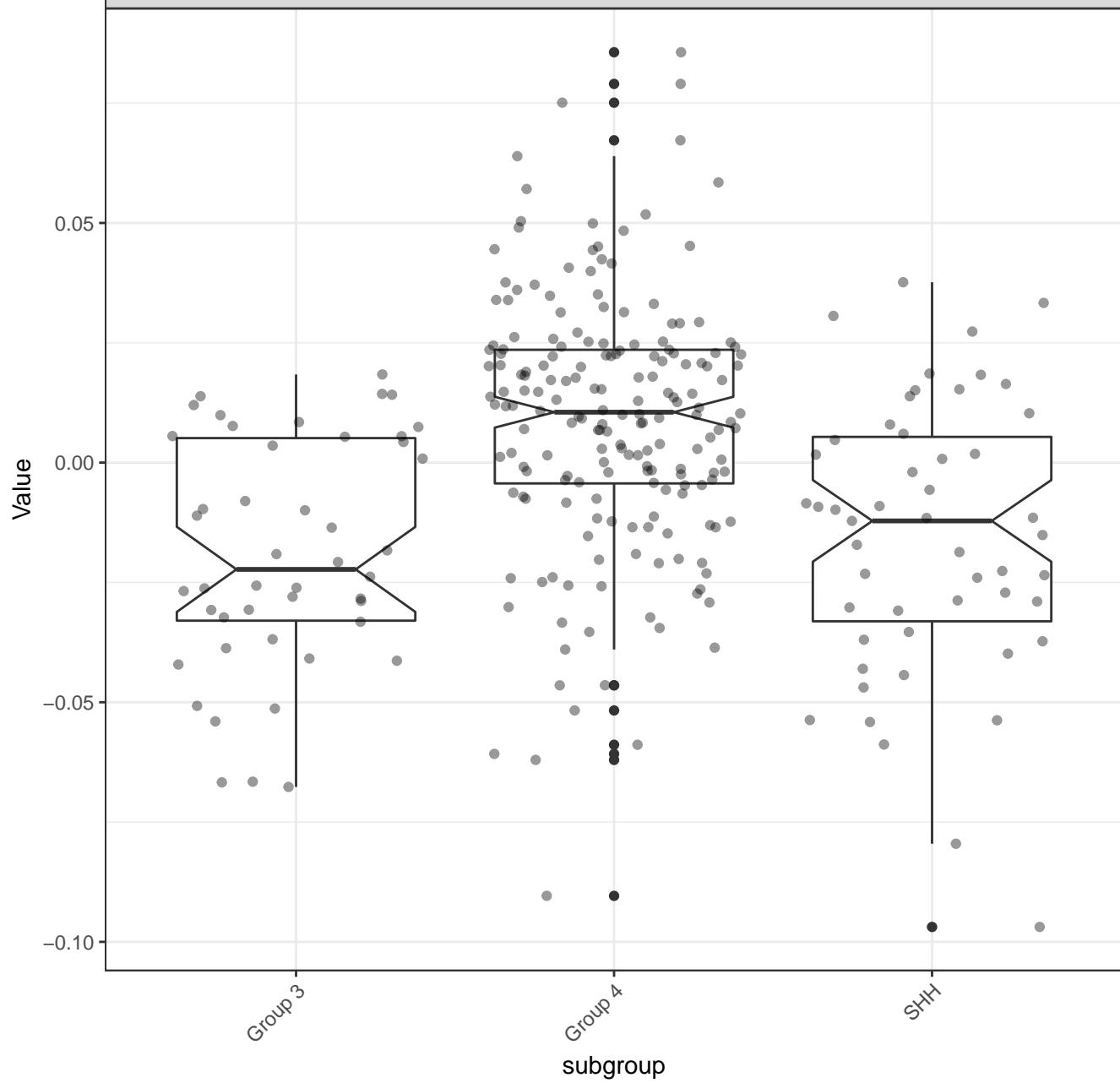
LV 226



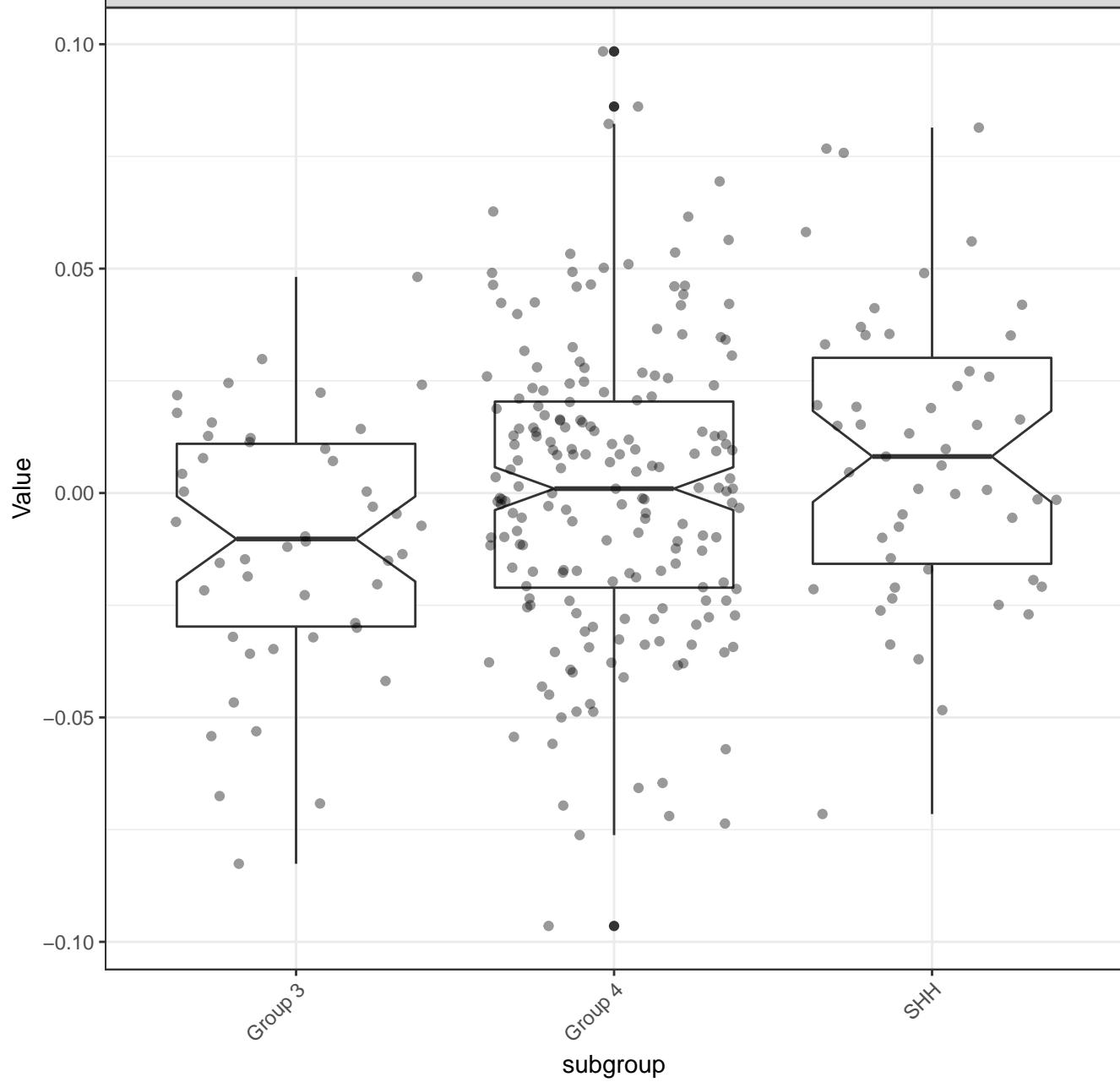
LV 227



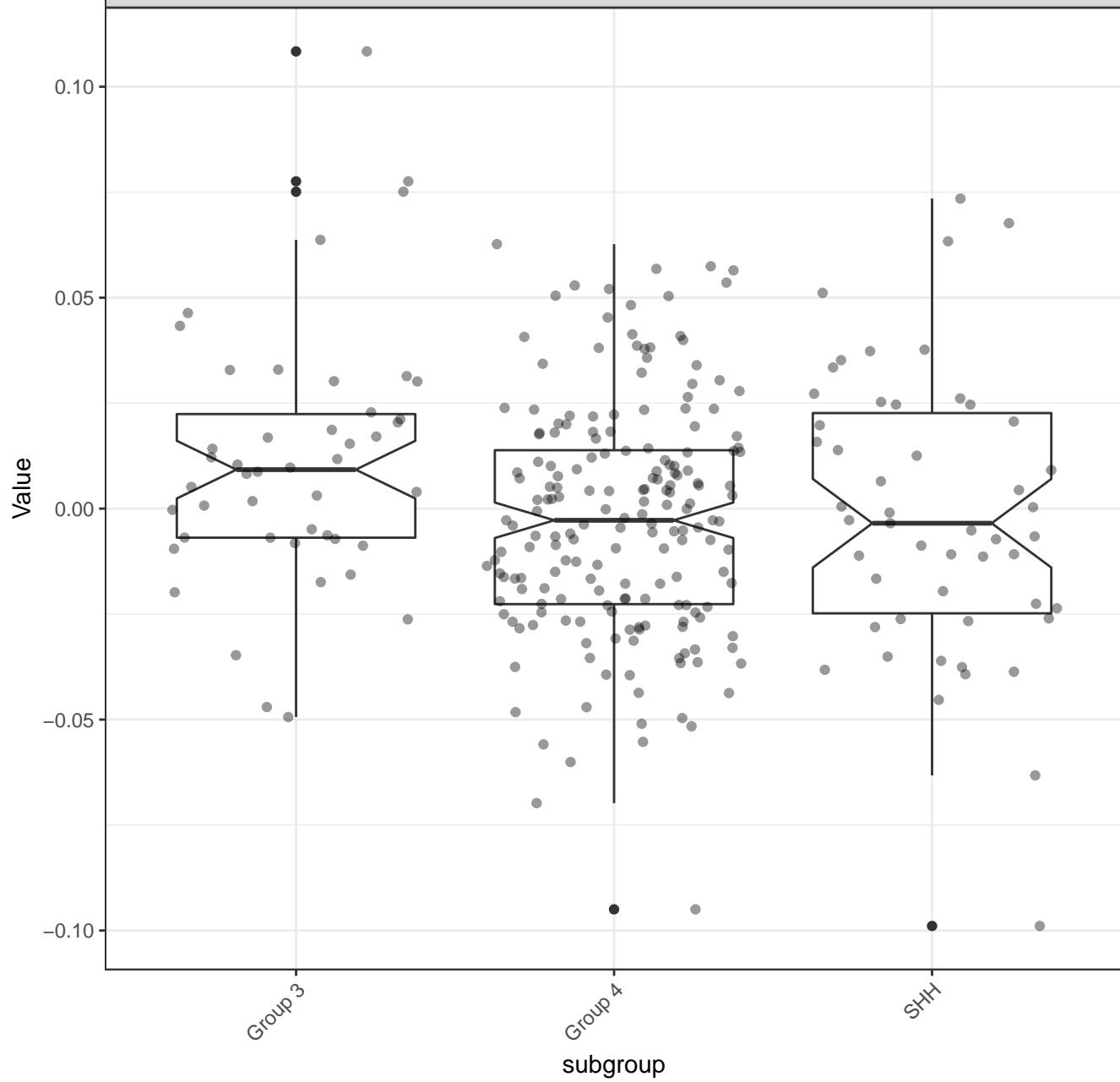


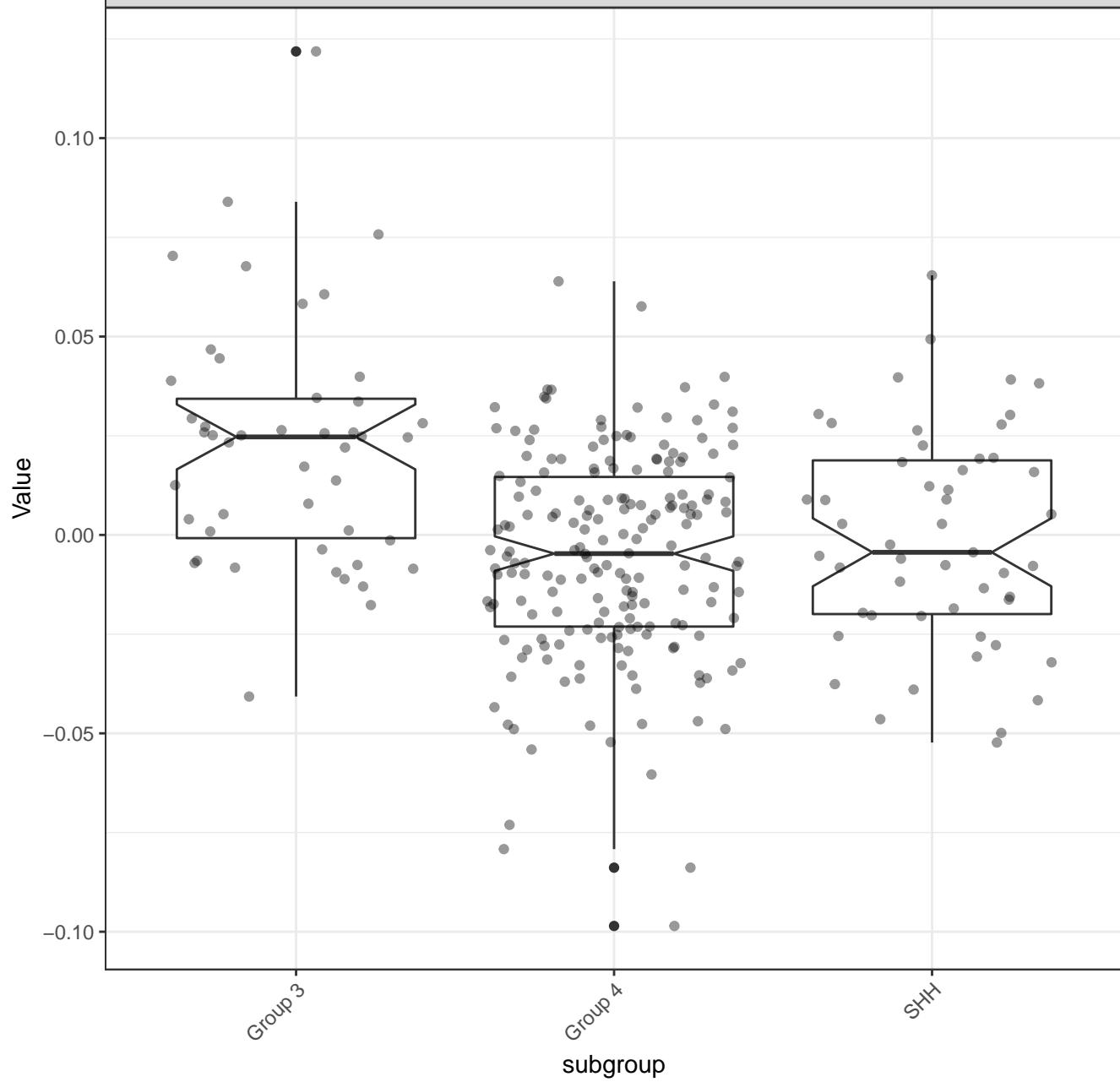


LV 230

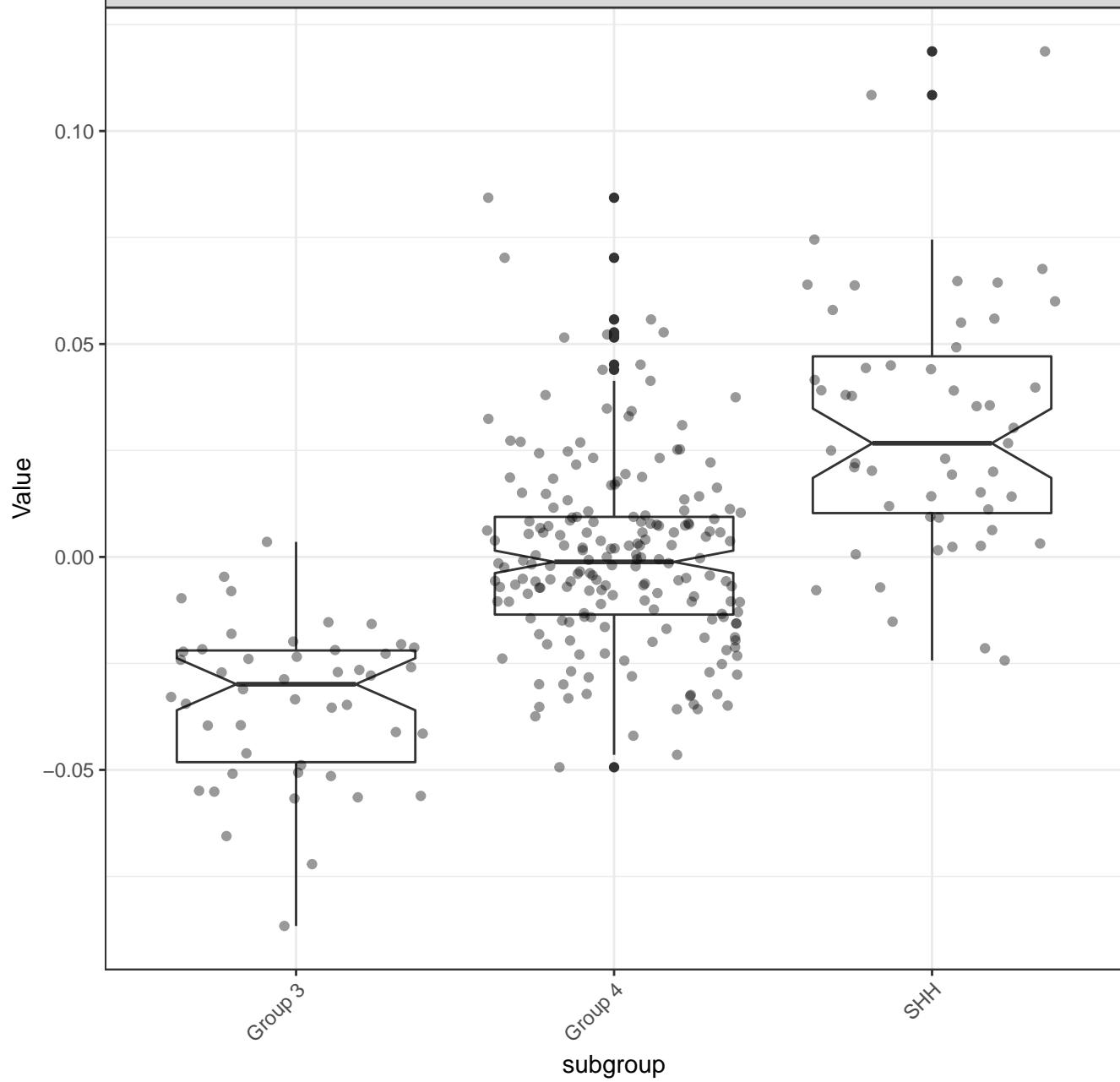


LV 231

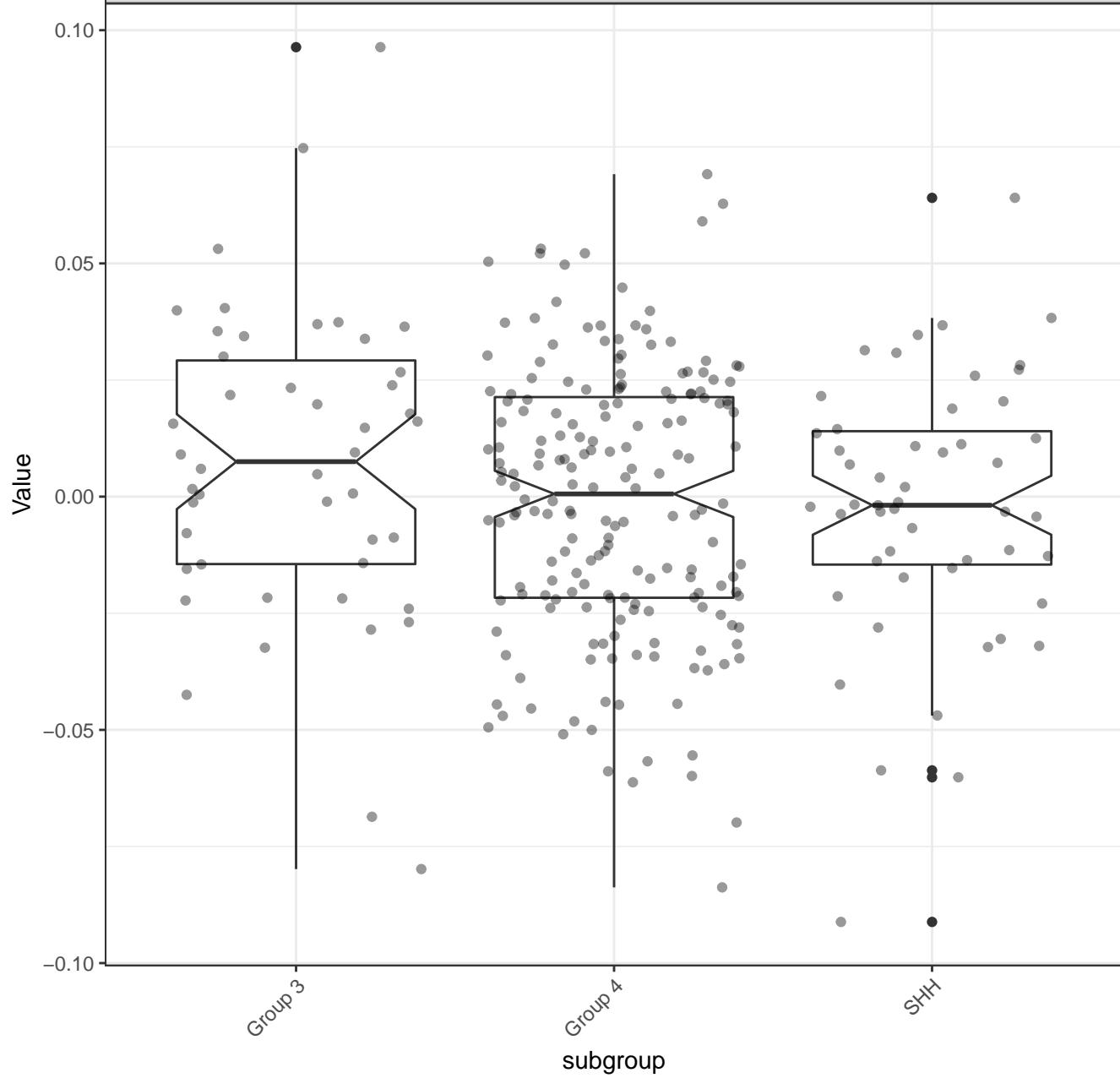




LV 233



234,REACTOME_RNA_POL_I_PROMOTER_OPENING



Value

0.10

0.05

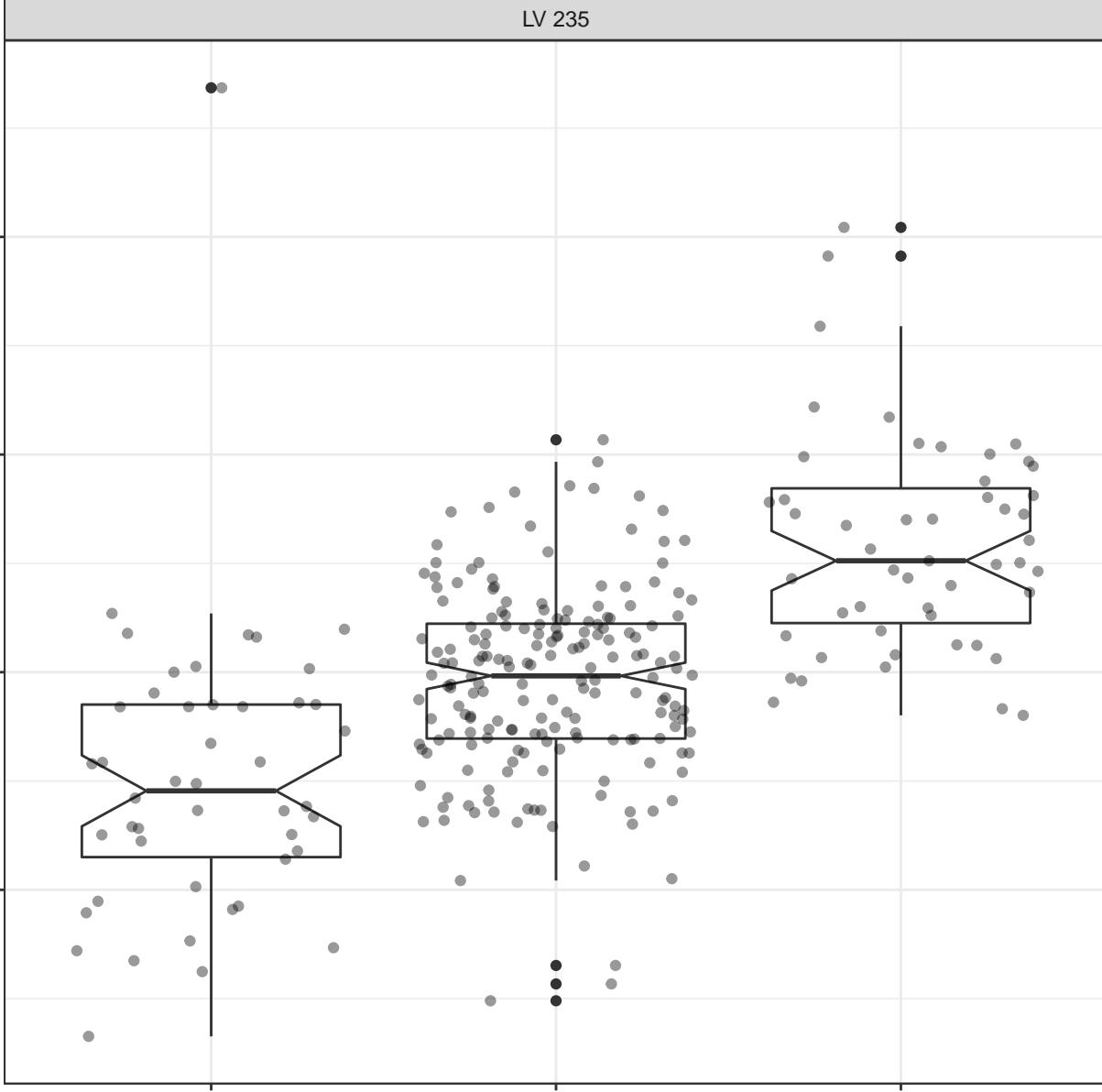
0.00

-0.05

Group 3

subgroup

SHH



LV 236

Value

0.05

0.00

-0.05

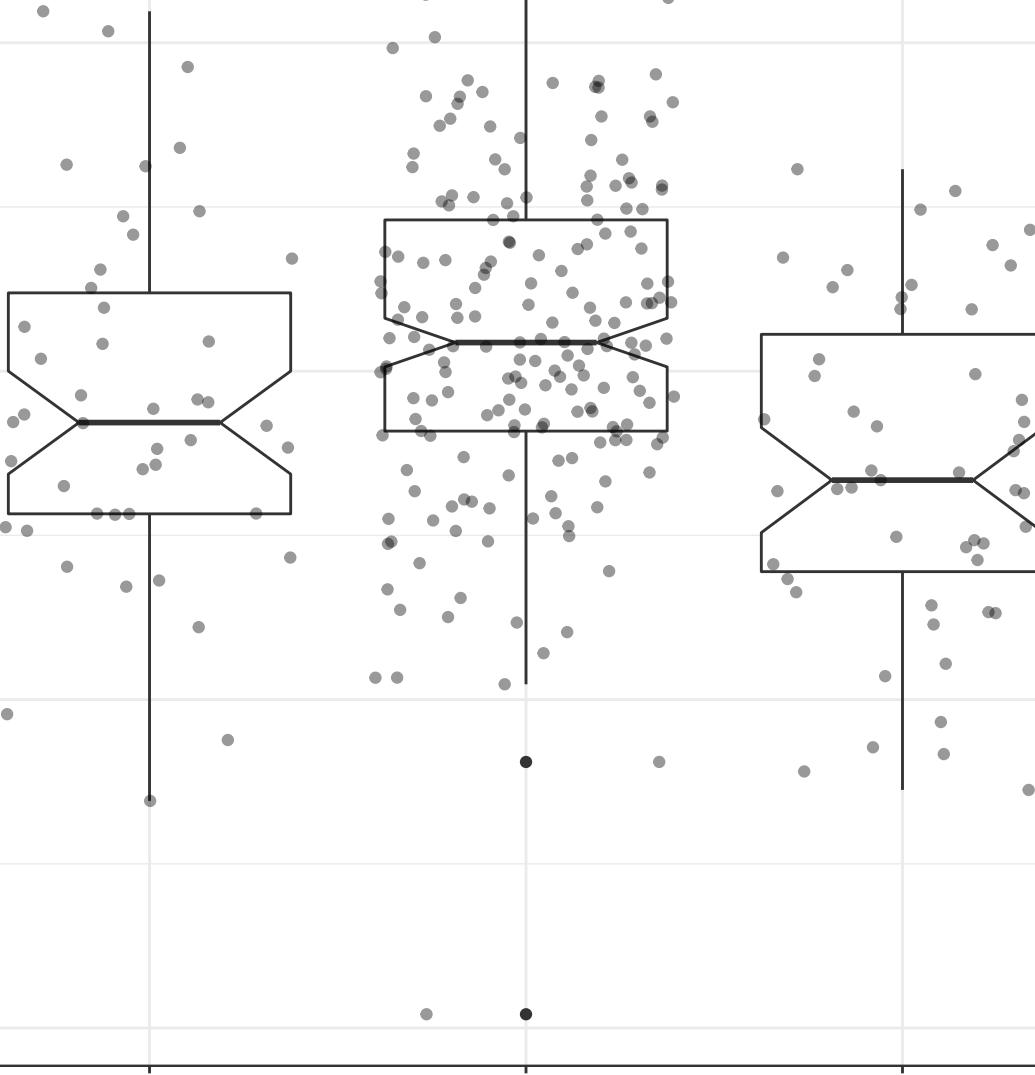
-0.10

Group 3

subgroup

Group 4

SHH



LV 237

Value

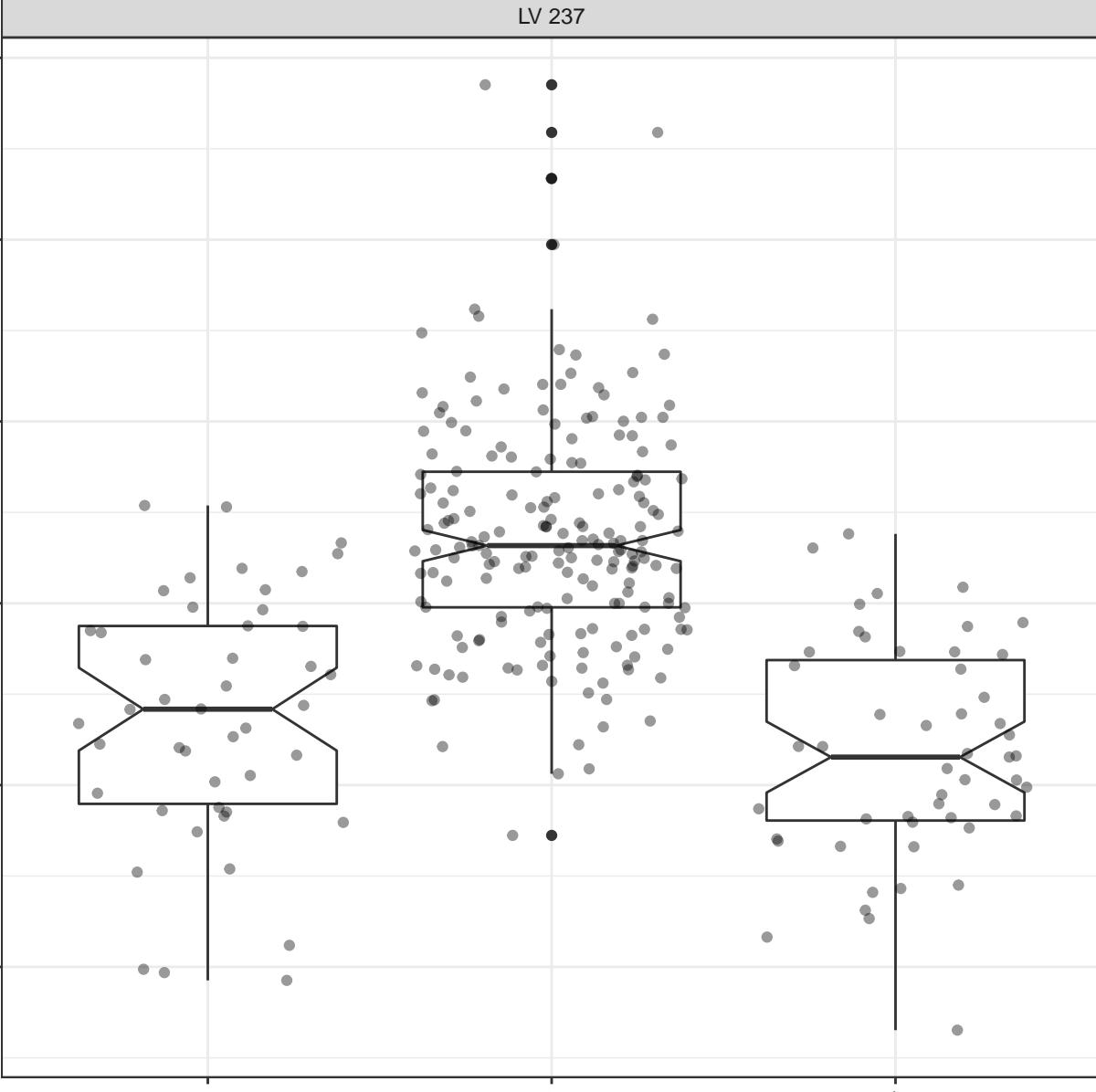
0.15
0.10
0.05
0.00
-0.05
-0.10

Group 3

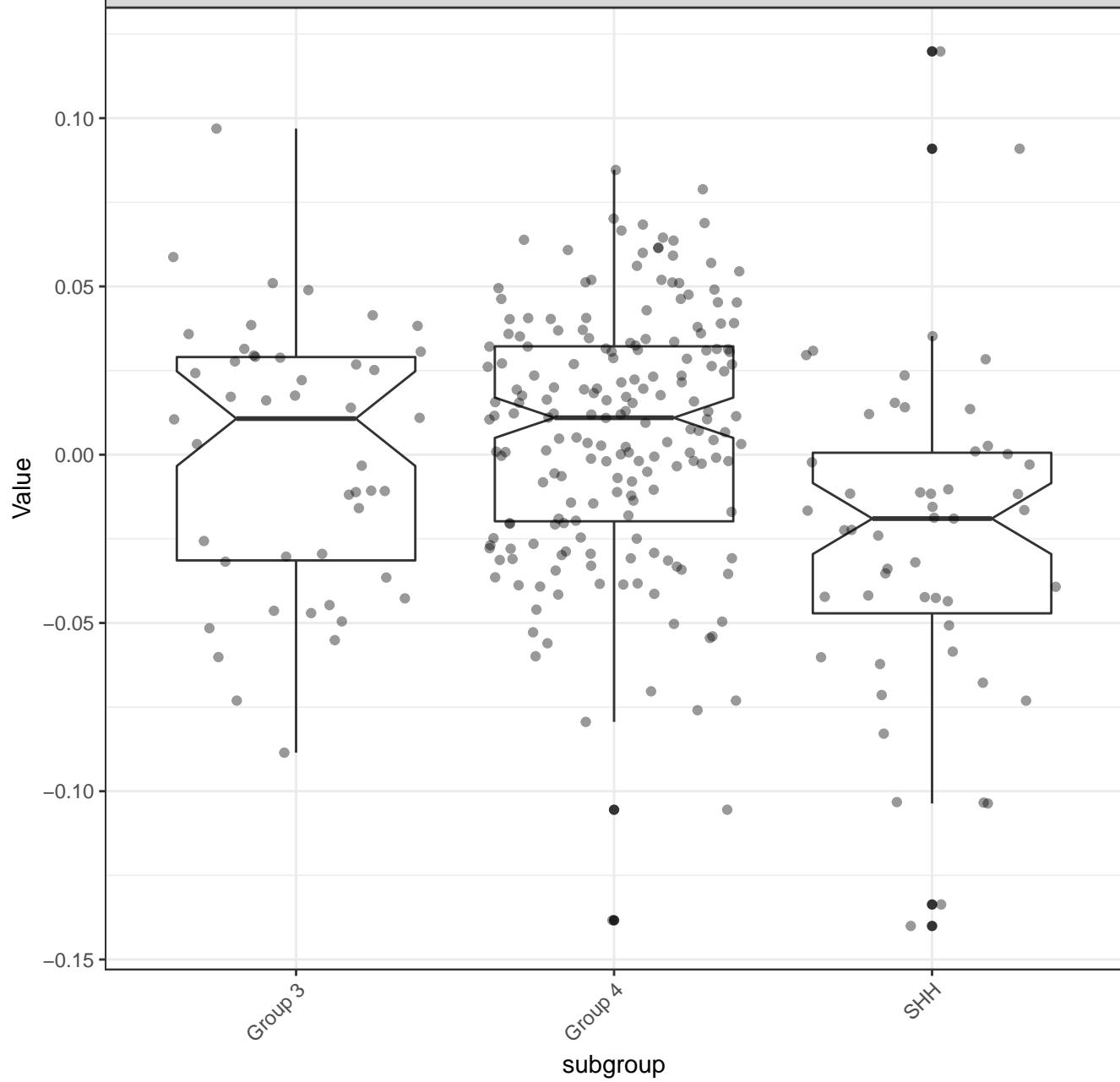
subgroup

Group 4

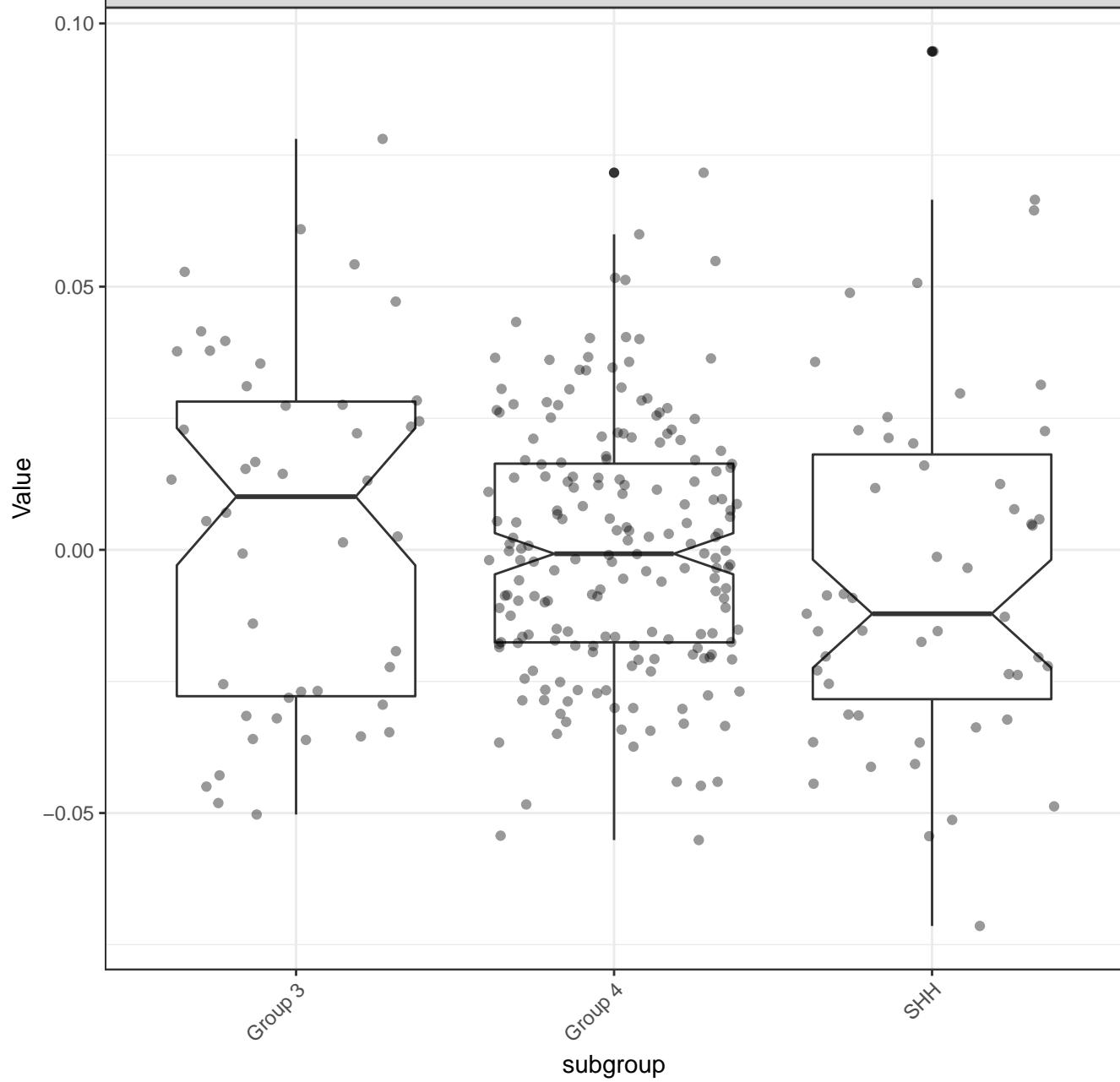
SHH



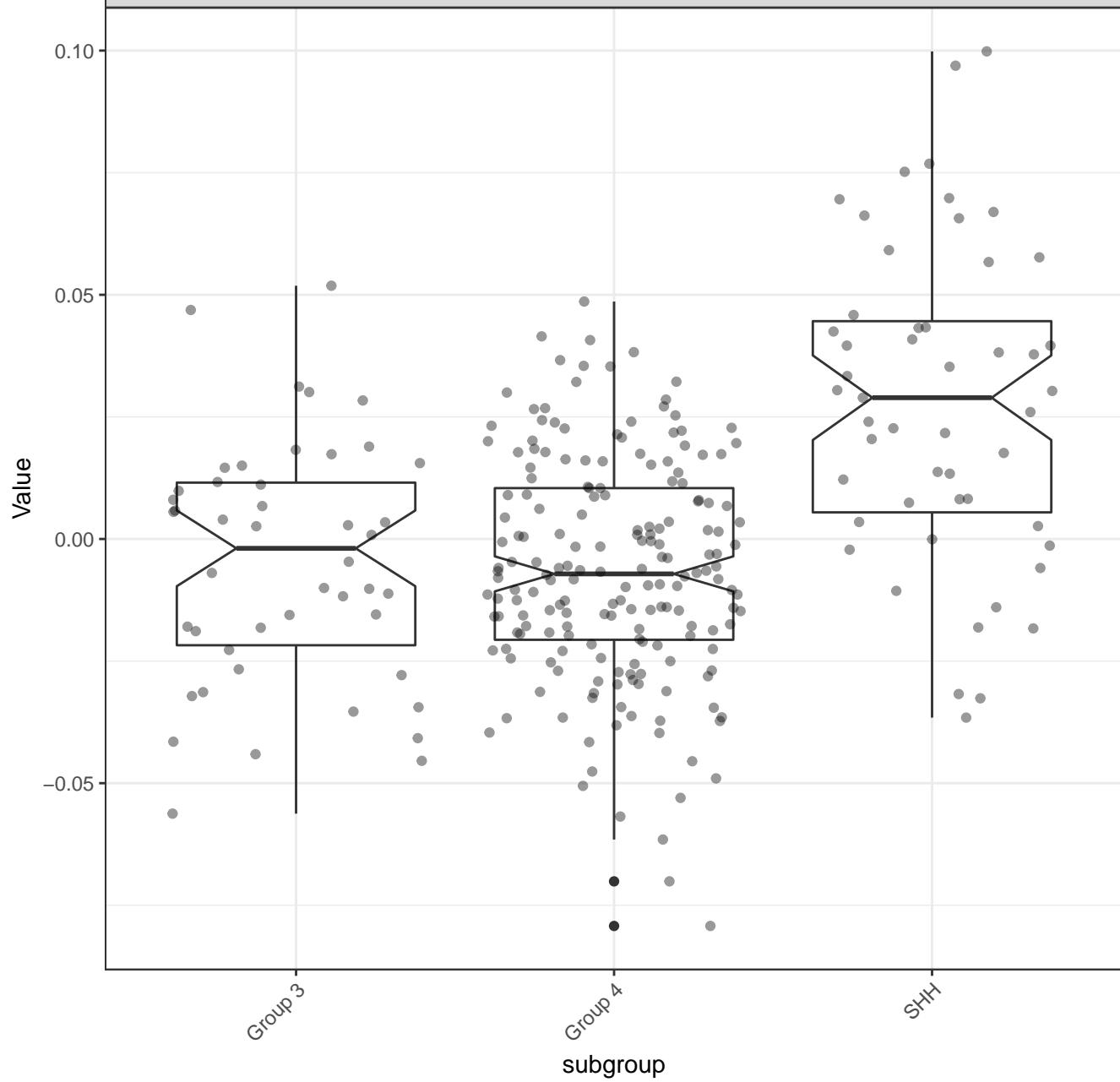
LV 238



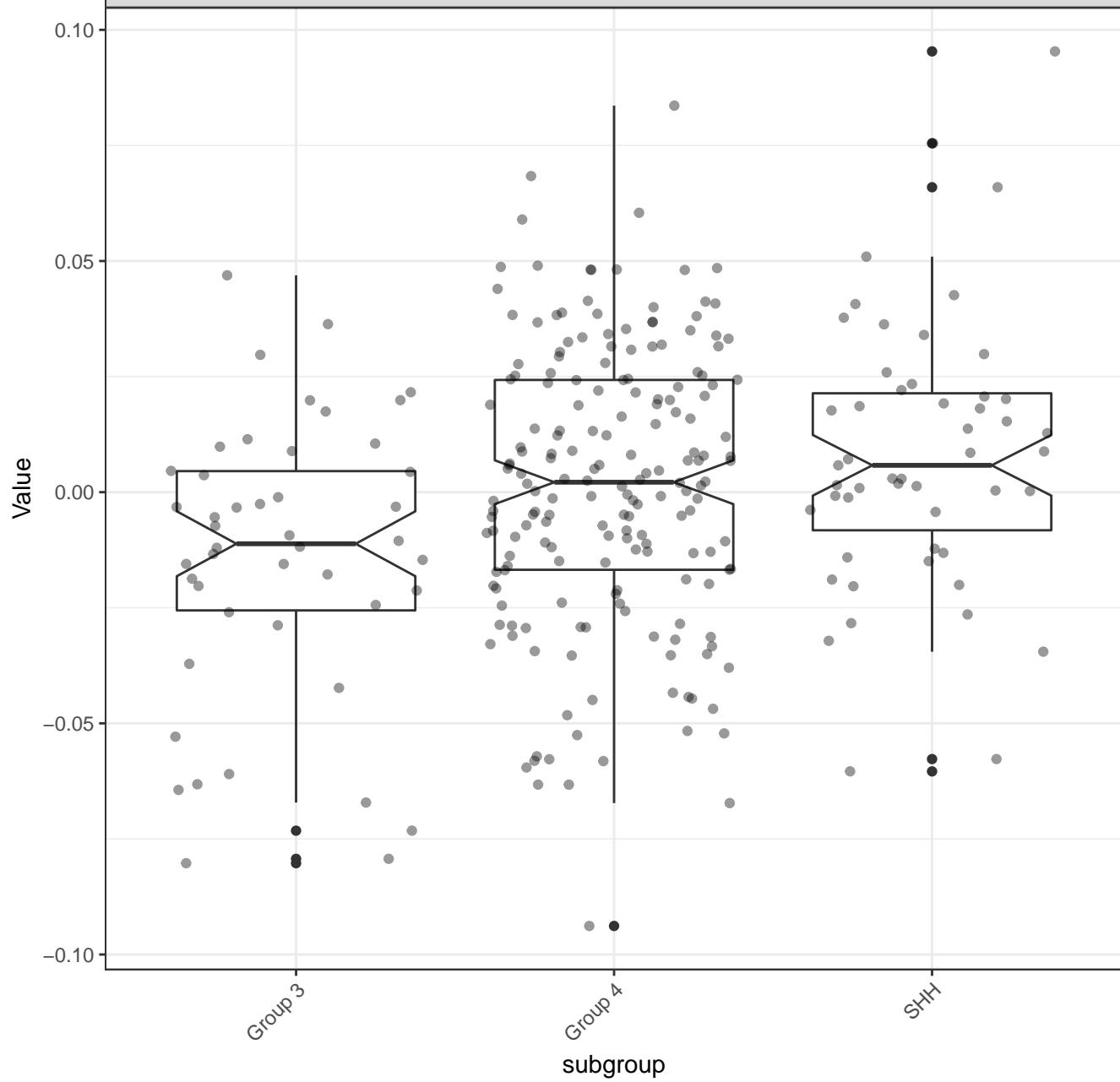
LV 239



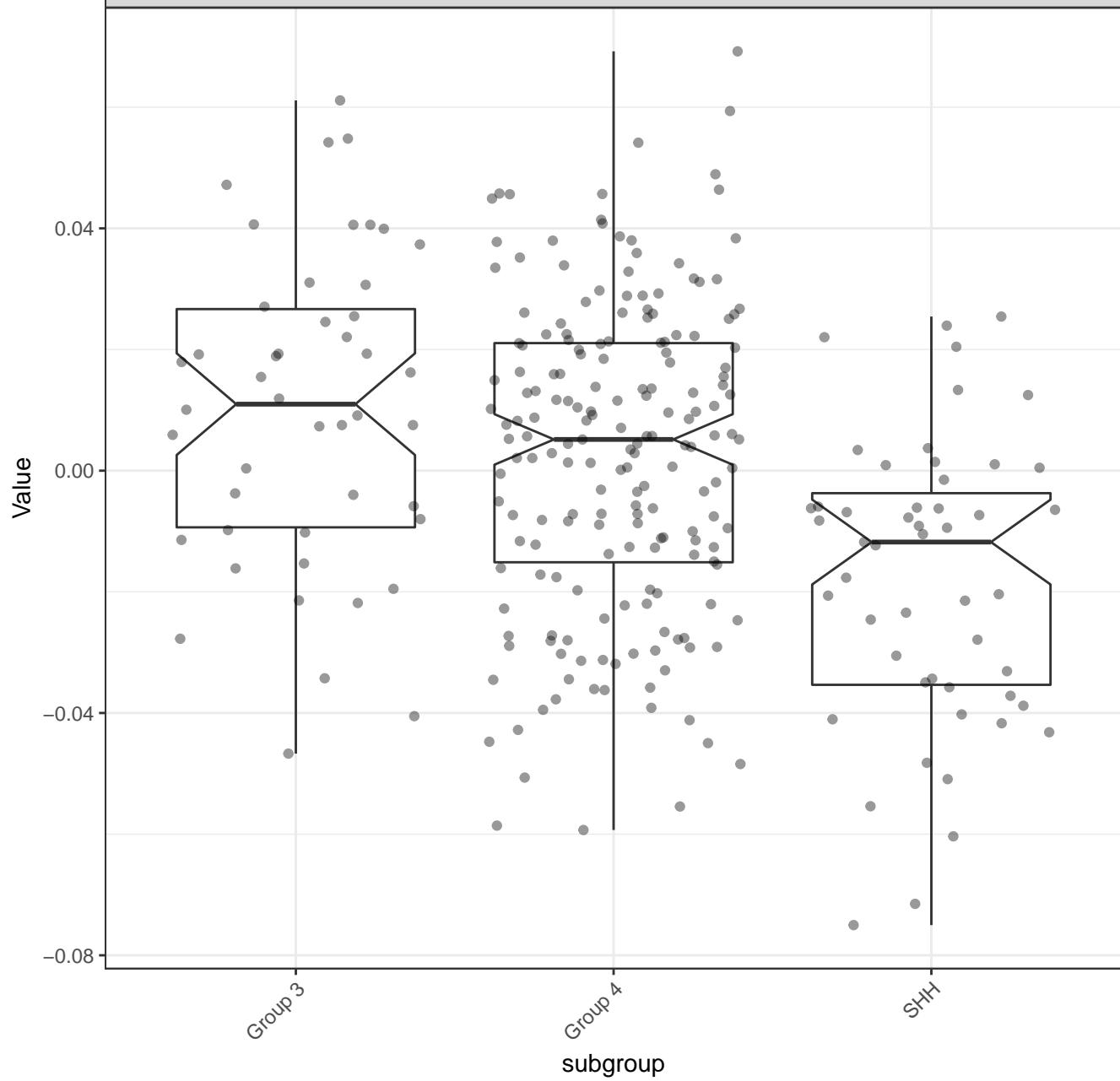
LV 240



LV 241



LV 242



Value

0.05

0.00

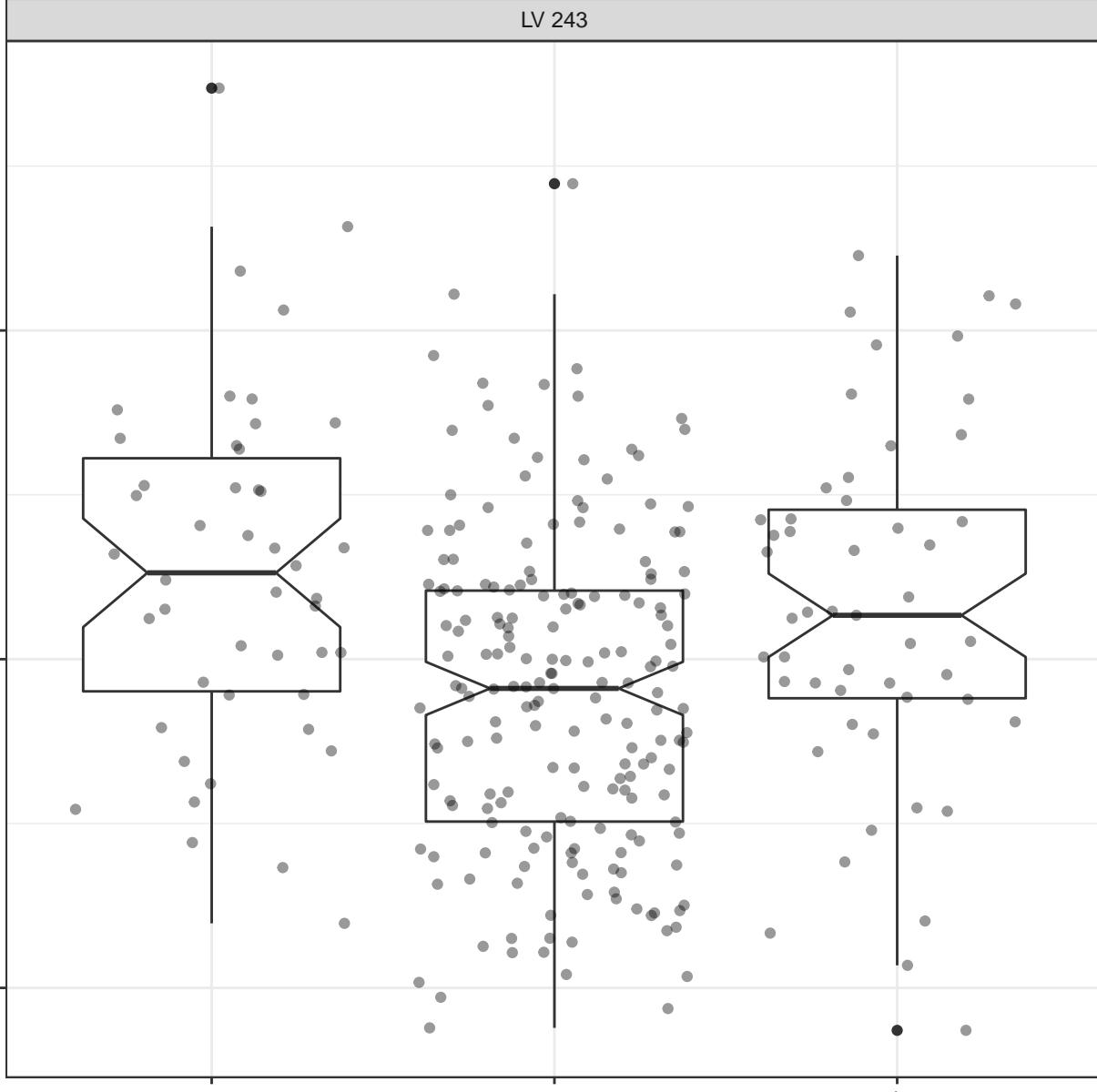
-0.05

Group 3

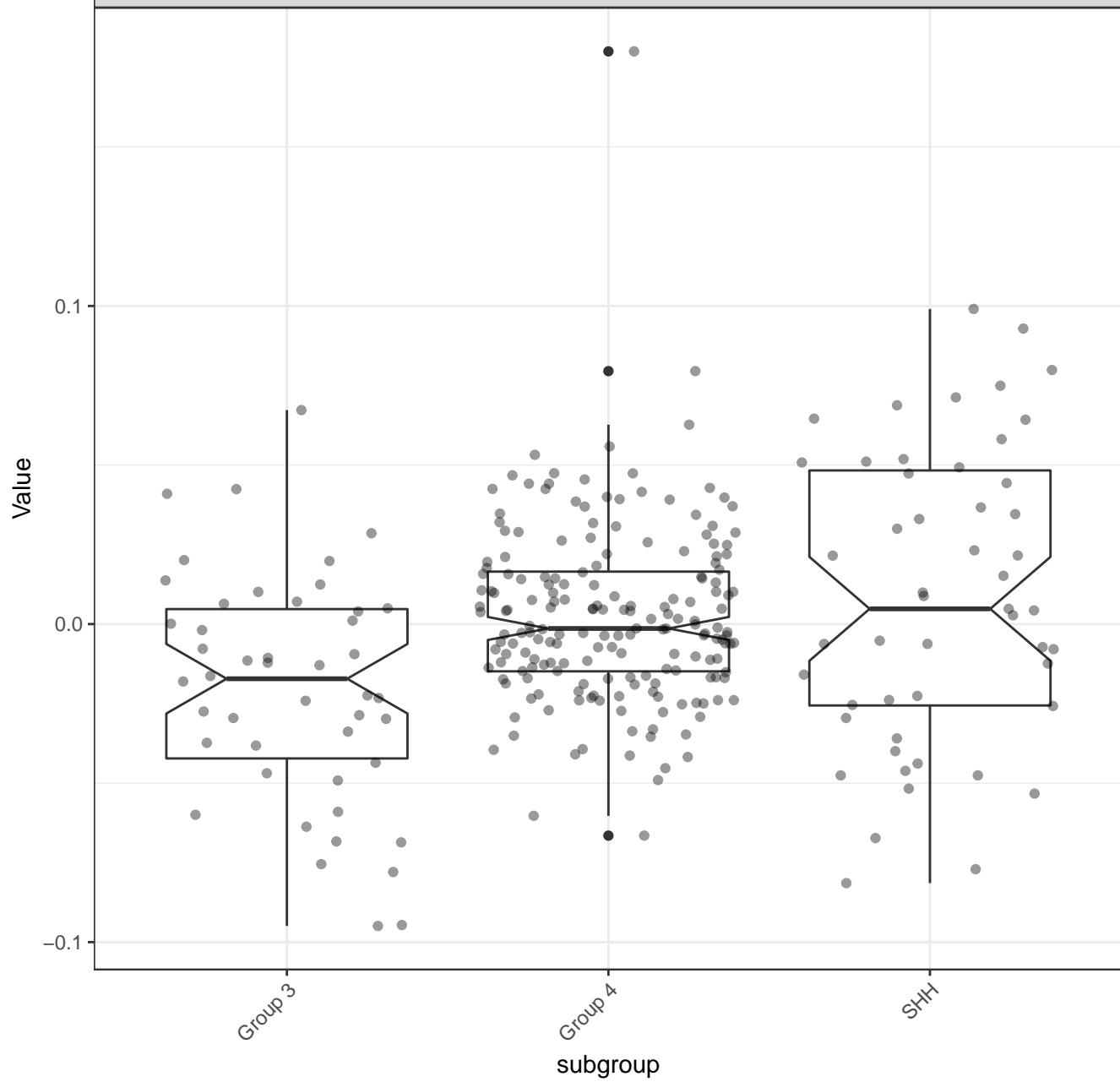
subgroup

Group 4

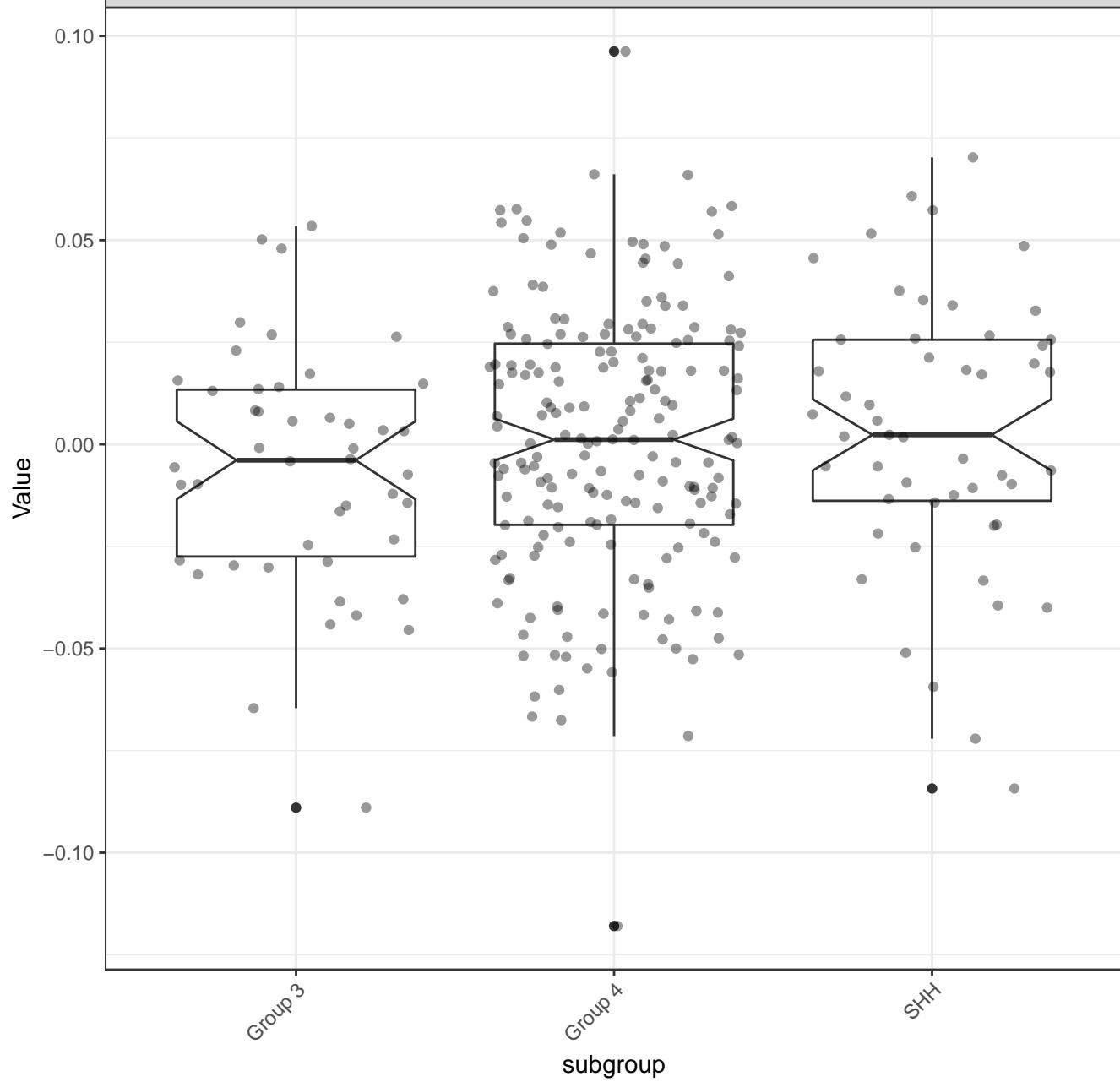
SHH



LV 244



LV 245



246,REACTOME_TRIGLYCERIDE BIOSYNTHESIS

Value

0.2

0.1

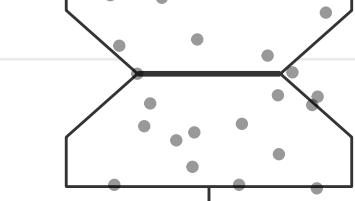
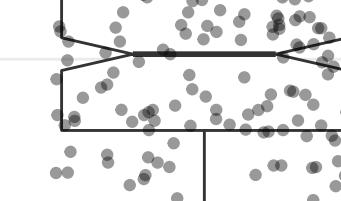
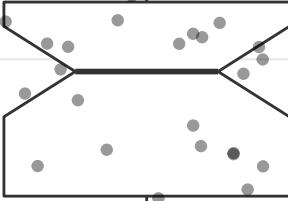
0.0

-0.1

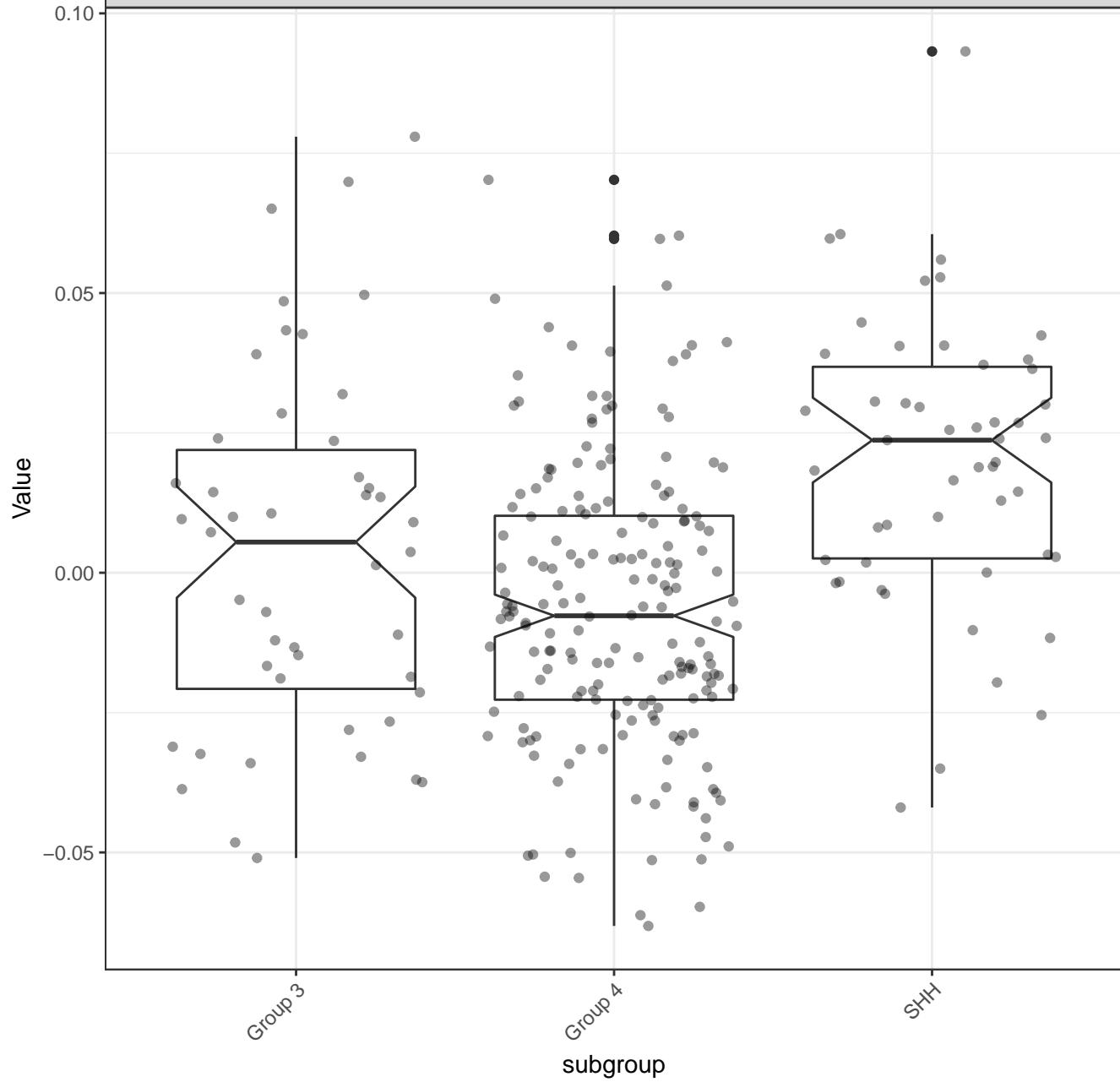
Group³Group⁴

SHH

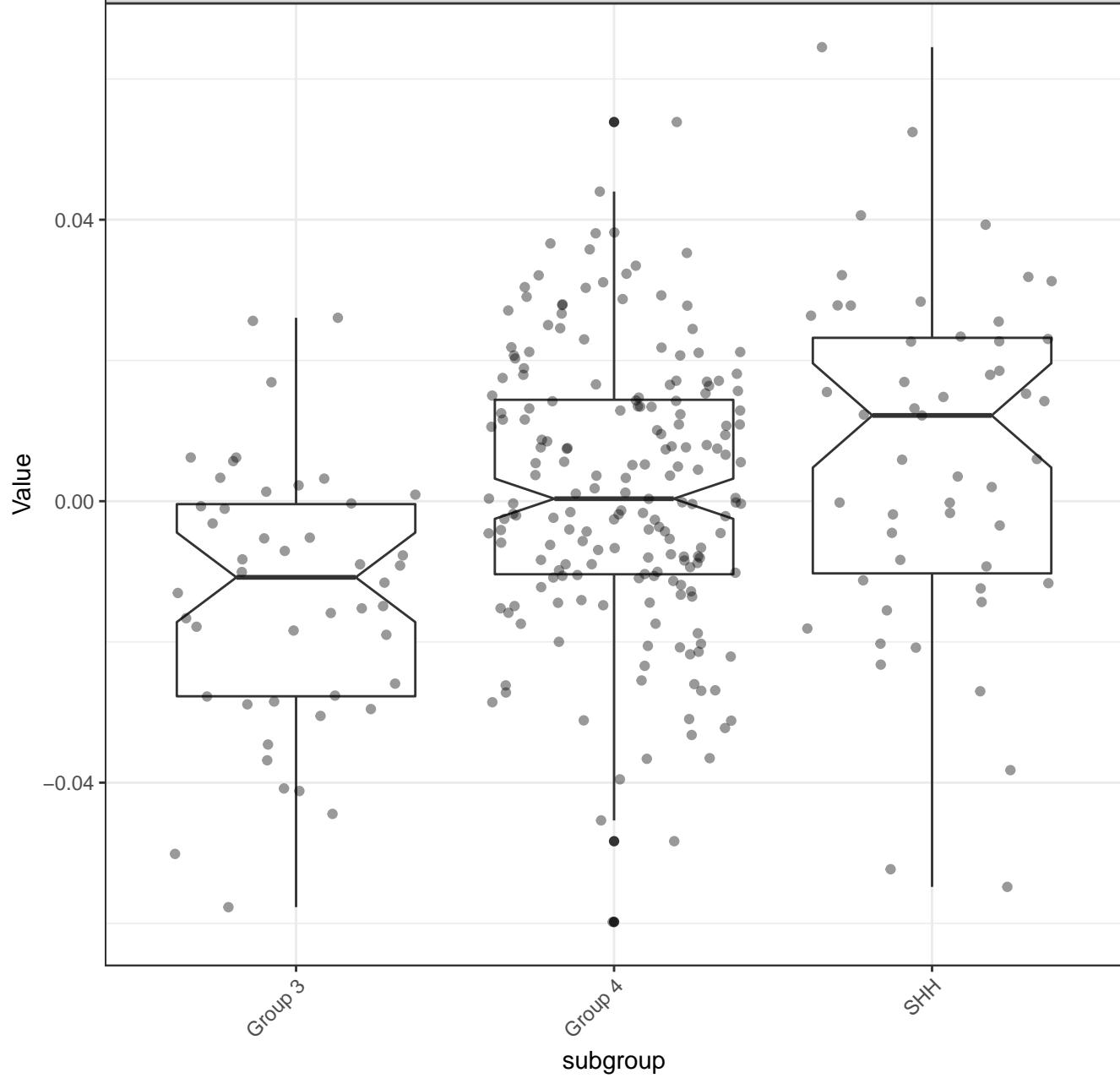
subgroup



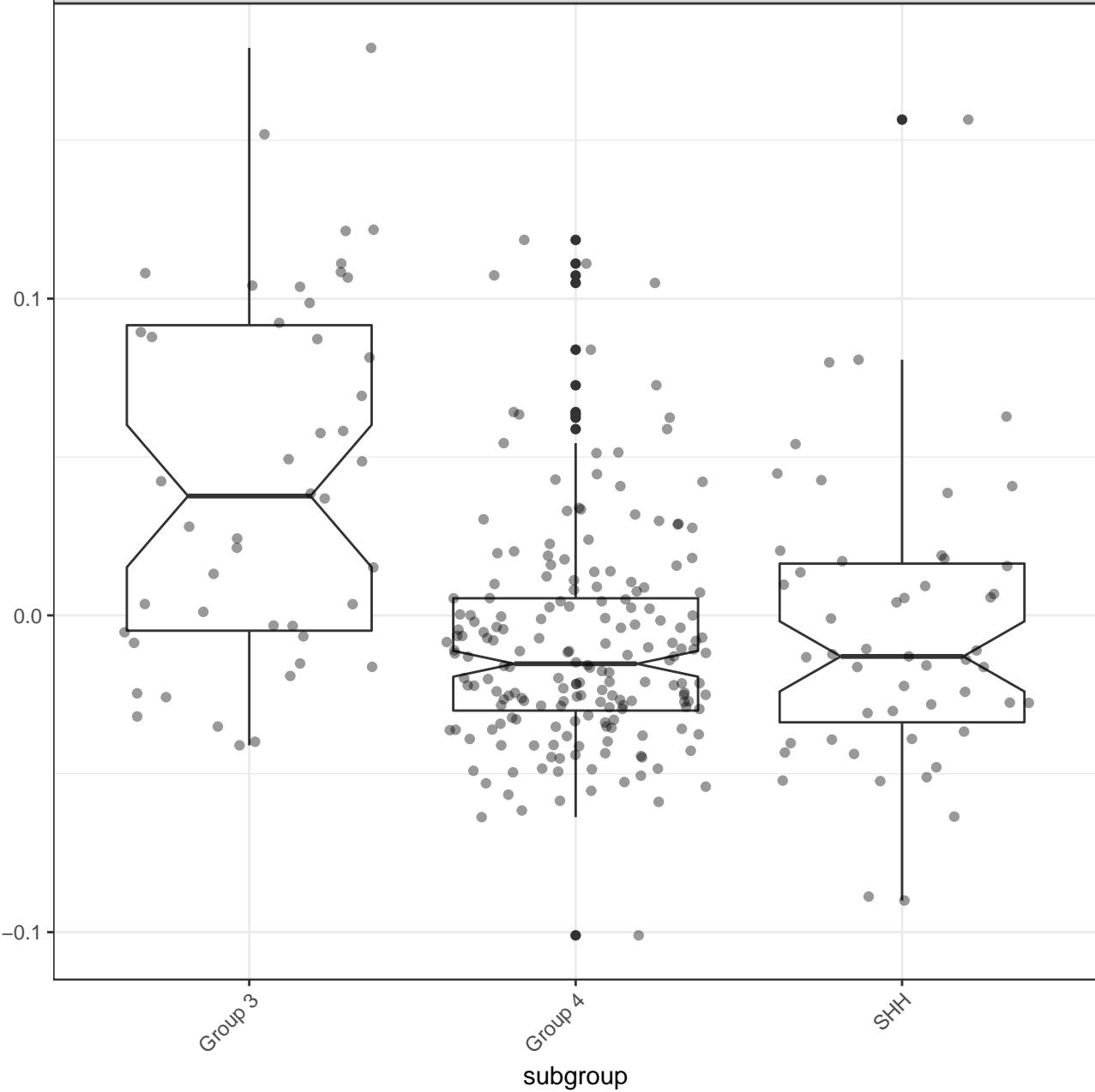
LV 247



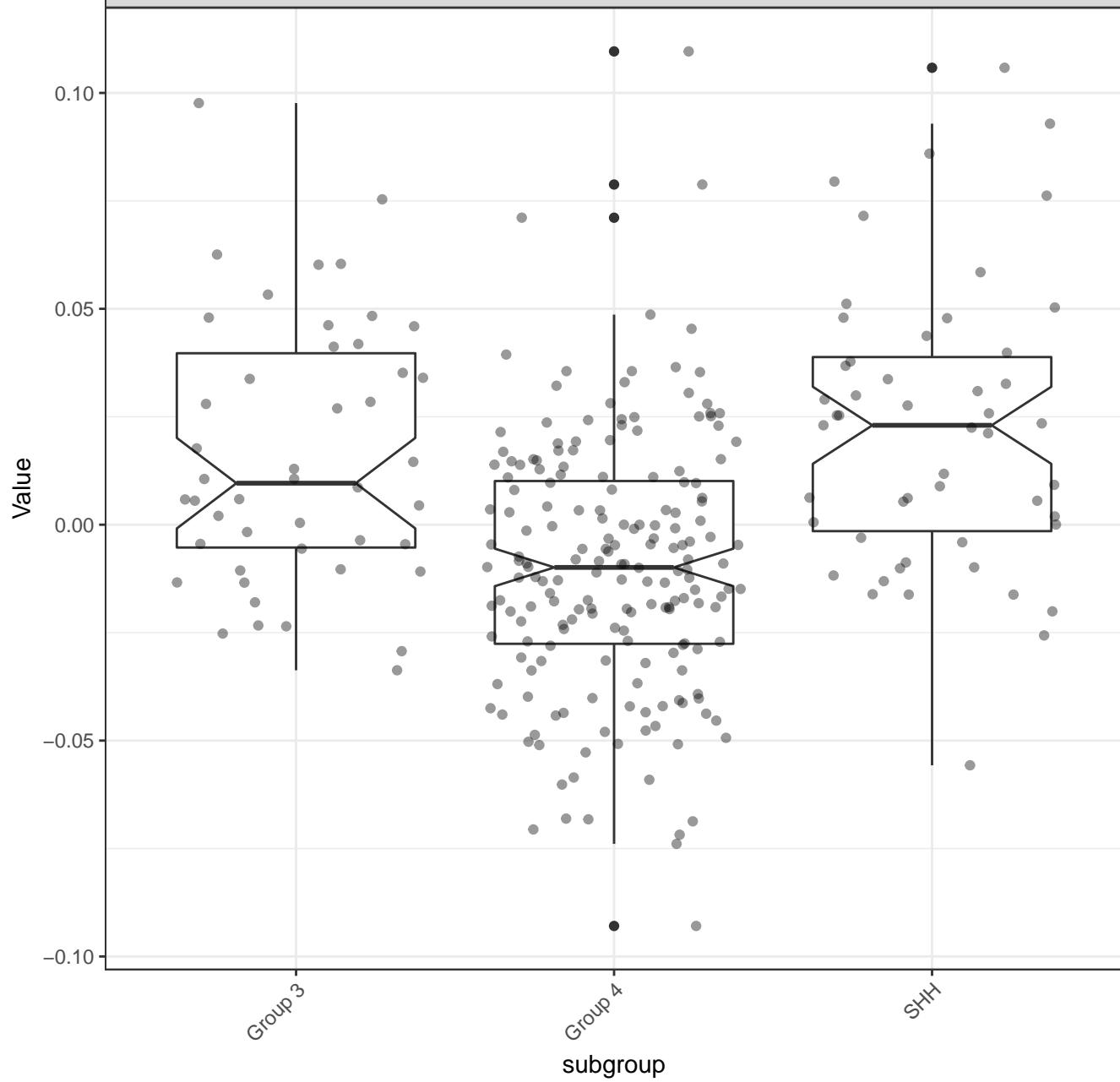
LV 248



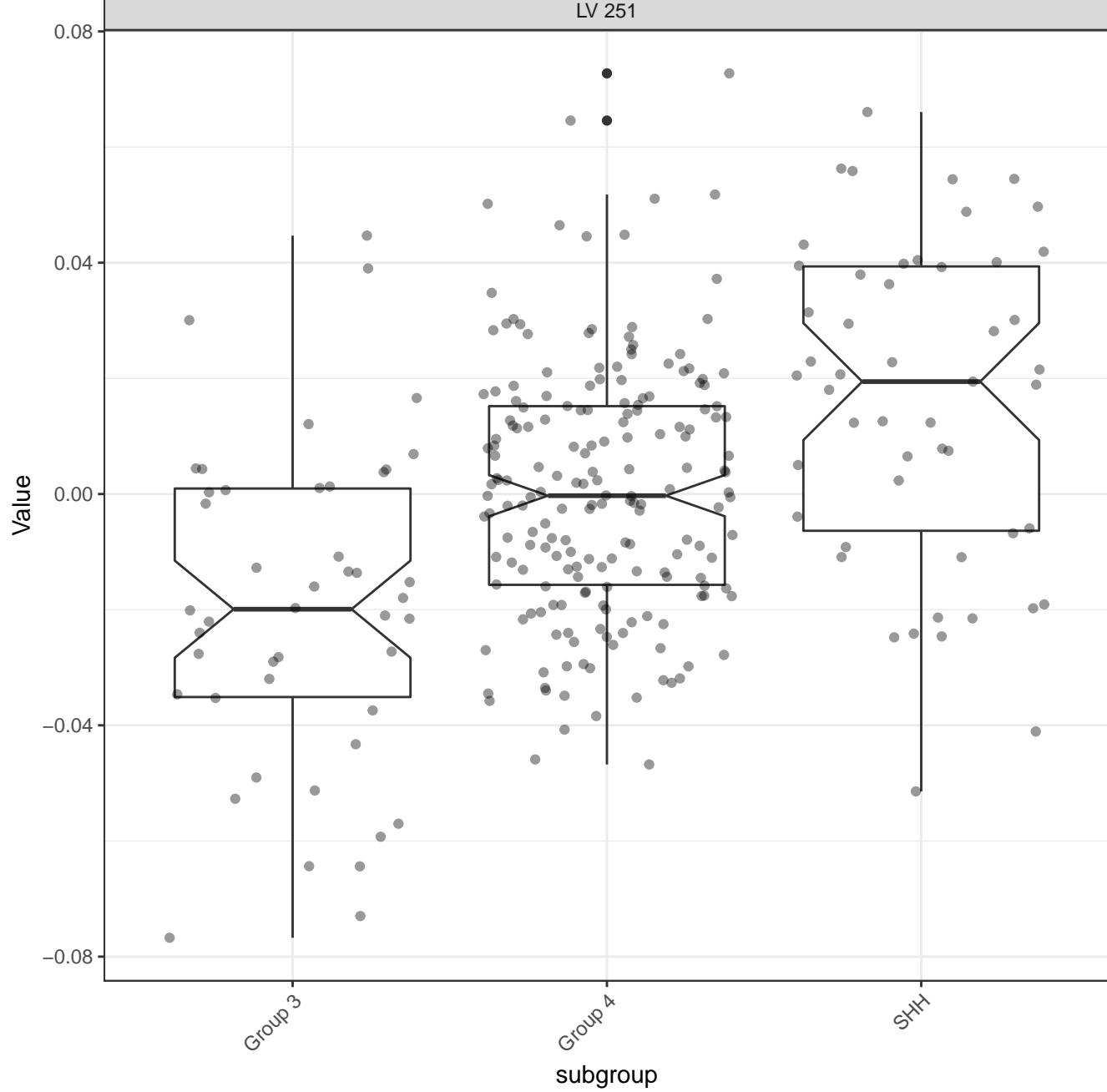
Value



LV 250



LV 251



LV 252

Value

0.10

0.05

0.00

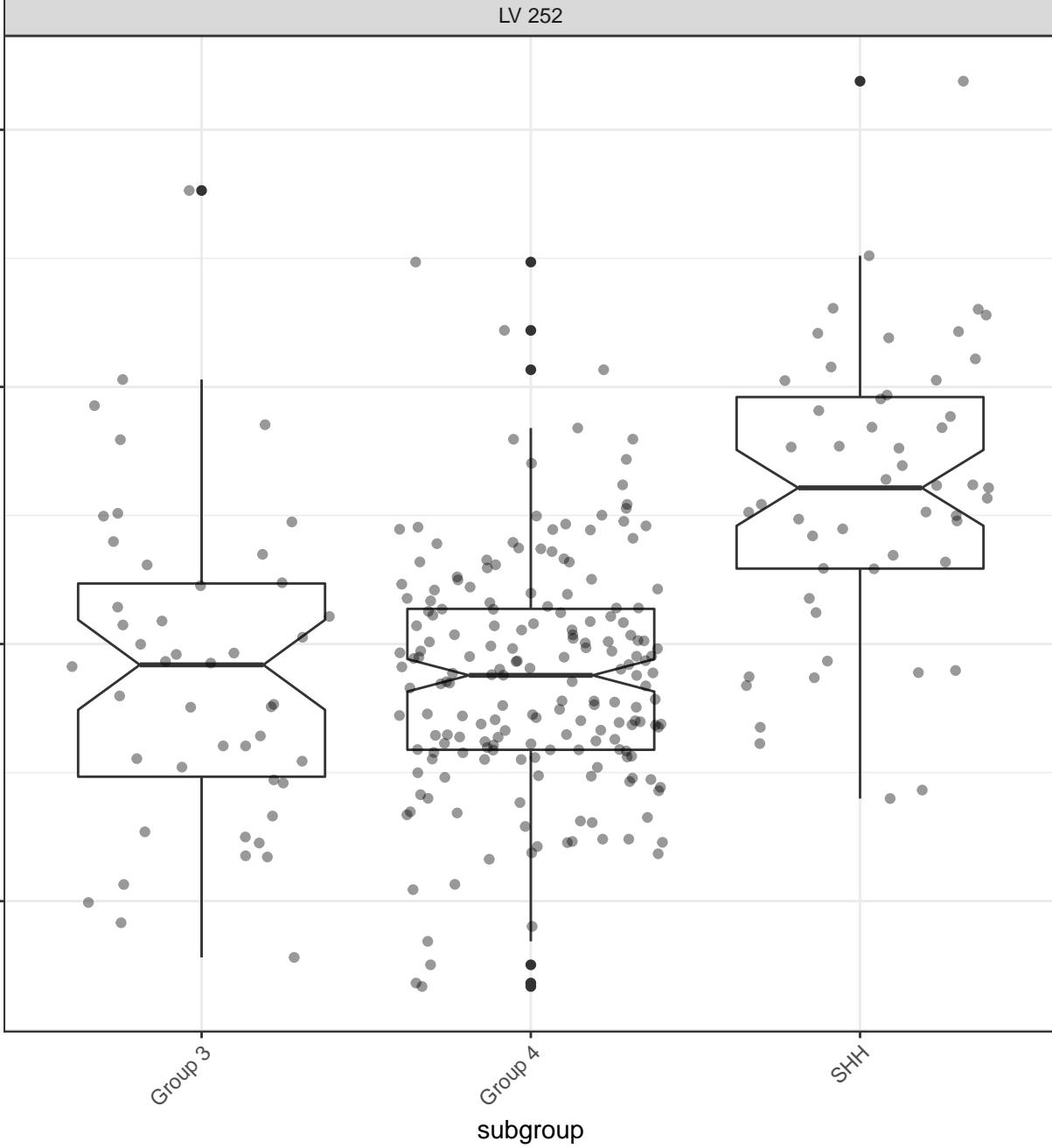
-0.05

Group 3

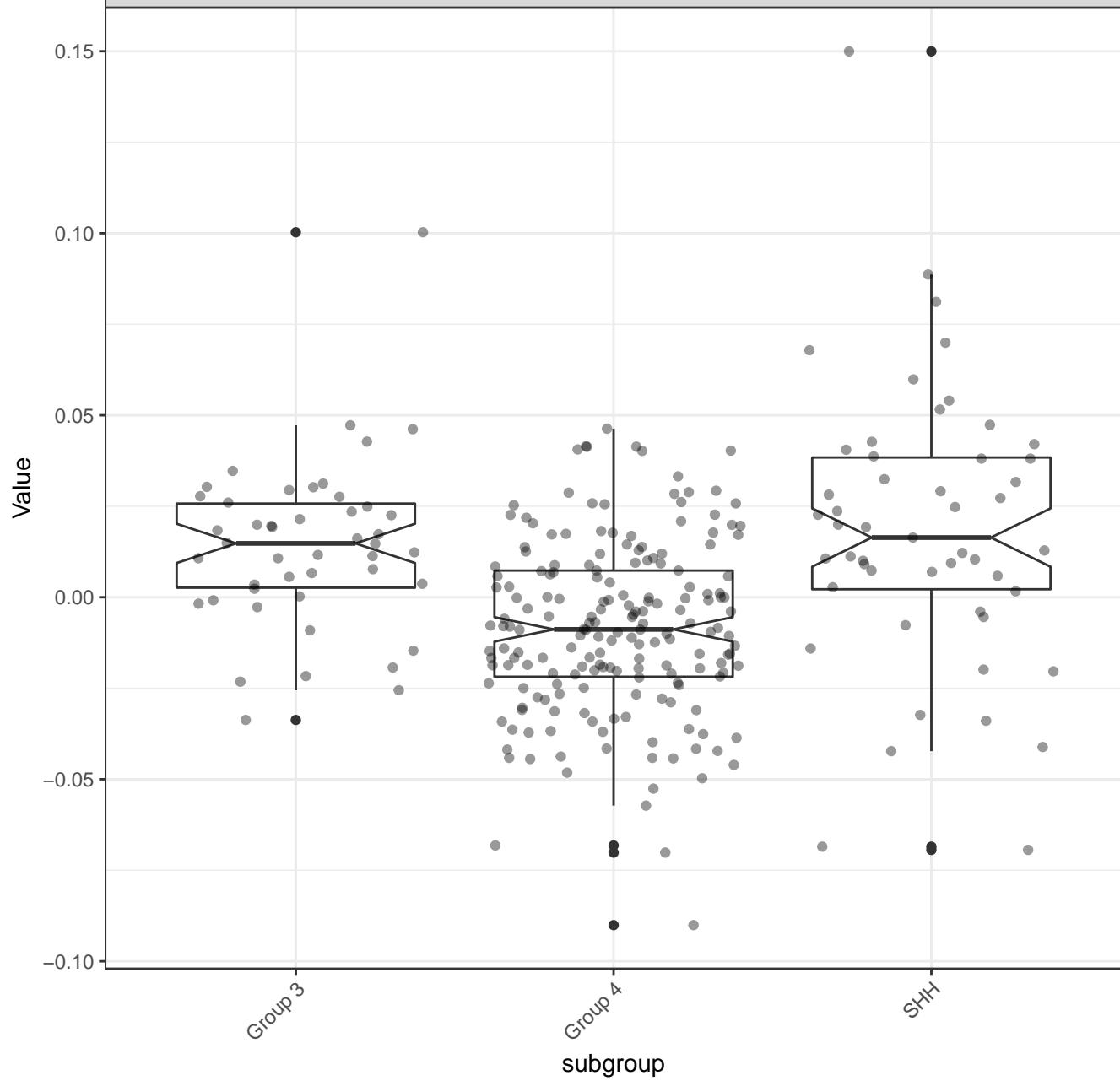
Group 4

SHH

subgroup



LV 253



LV 254

Vvalue

0.12

0.08

0.04

0.00

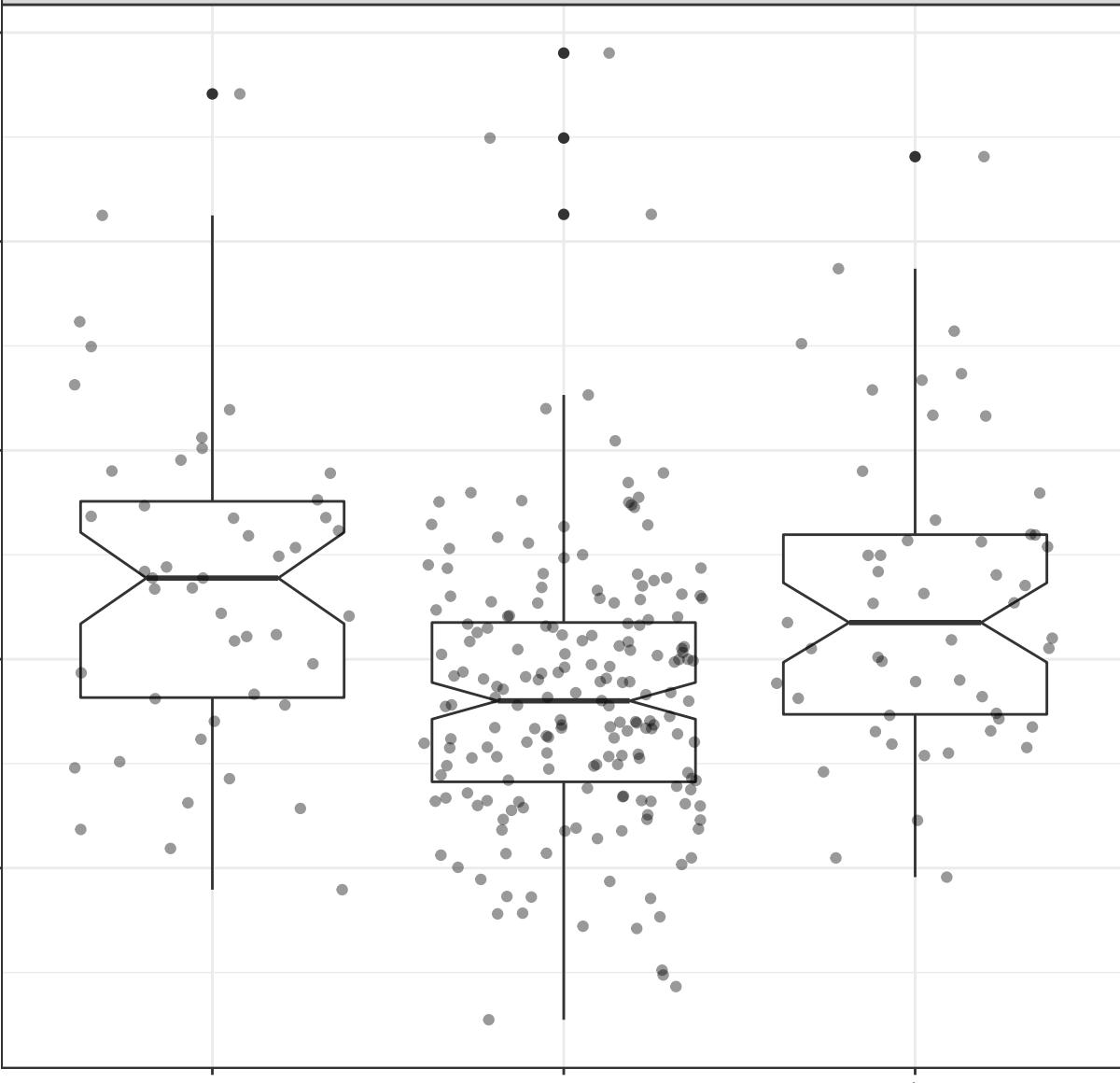
-0.04

Group 3

subgroup

Group 4

SHH



LV 255

Value

0.05

0.00

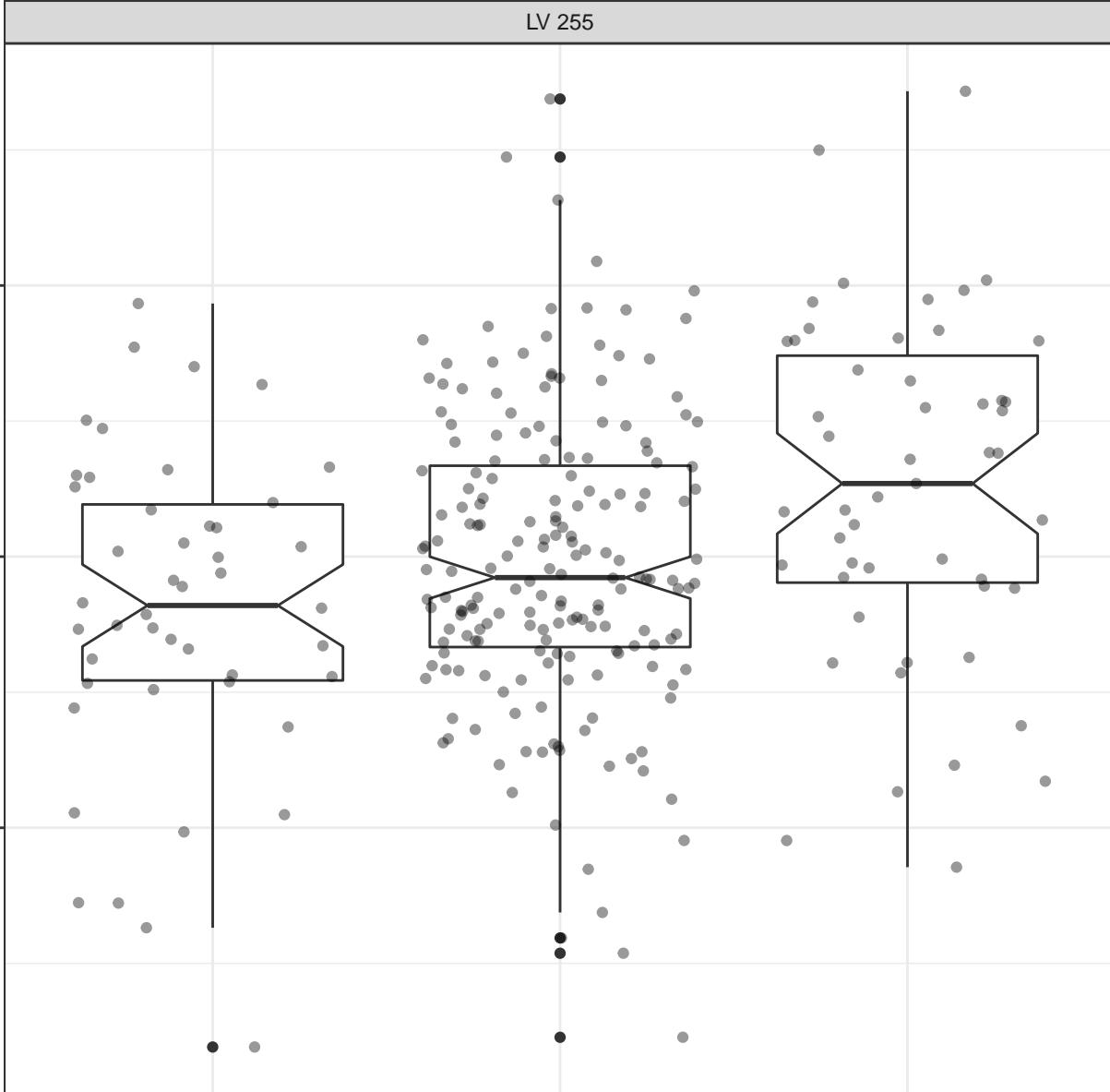
-0.05

Group 3

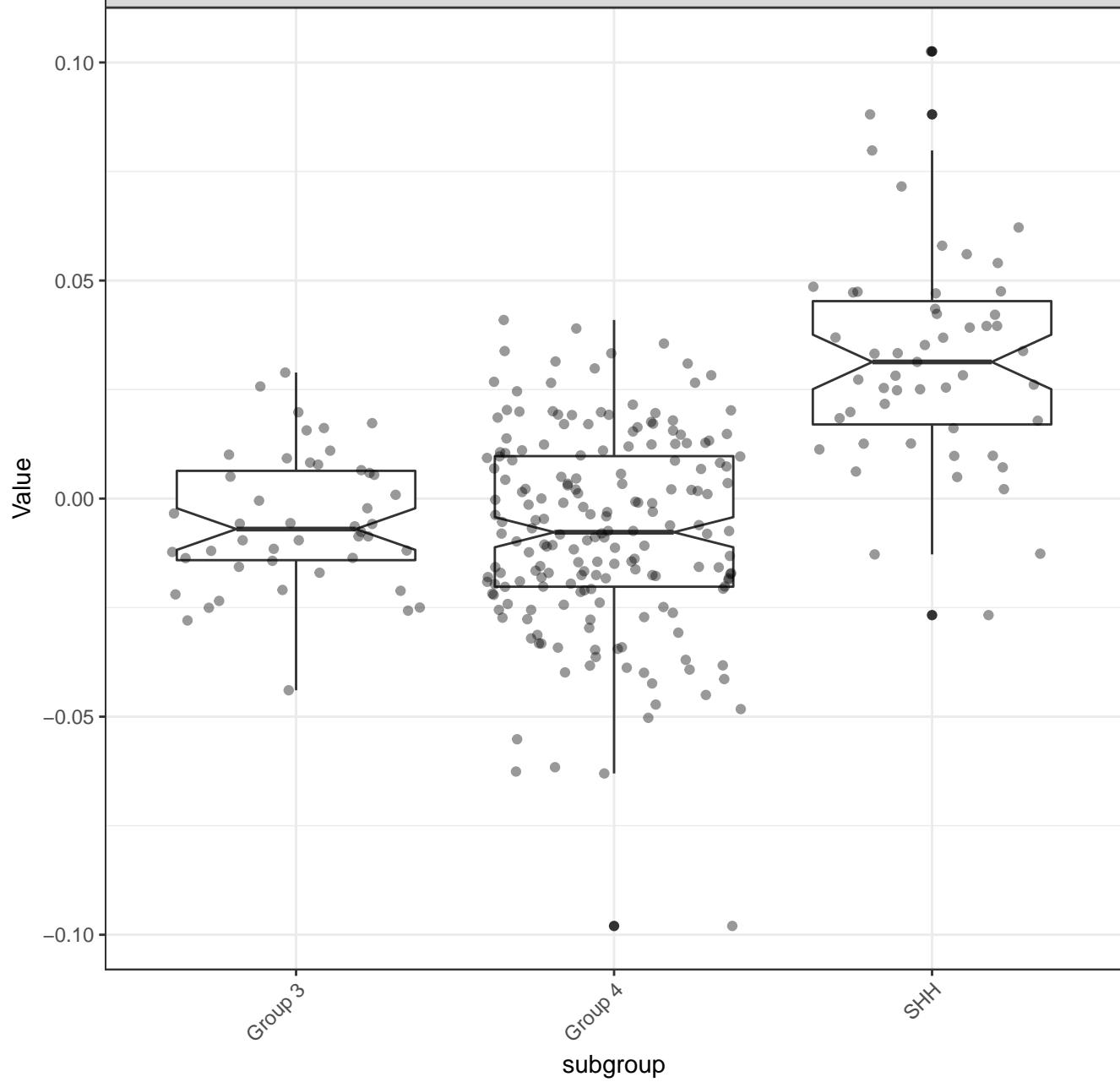
subgroup

Group 4

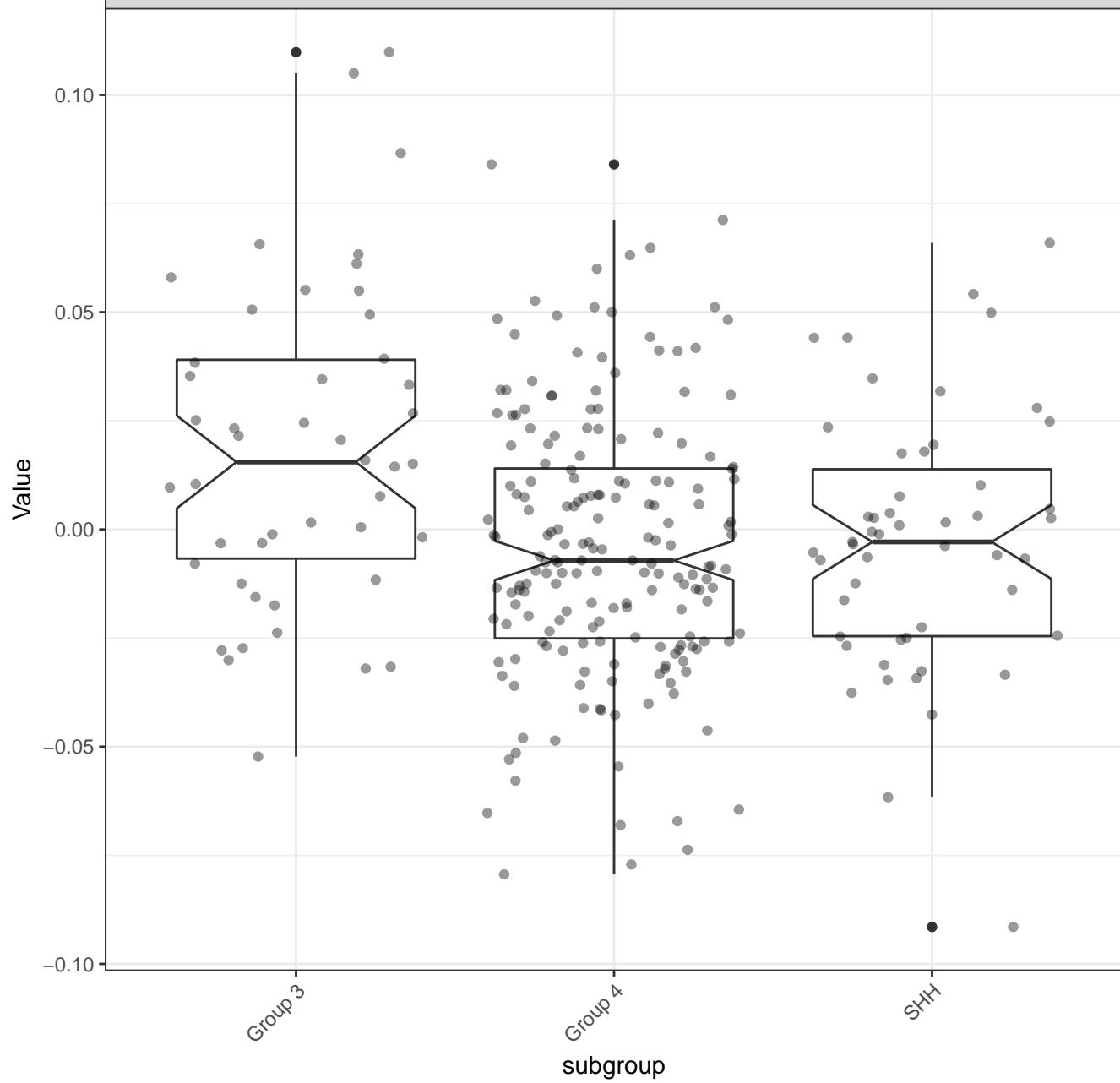
SHH



LV 256



257,KEGG_DILATED_CARDIOMYOPATHY



LV 258

Value

0.05

0.00

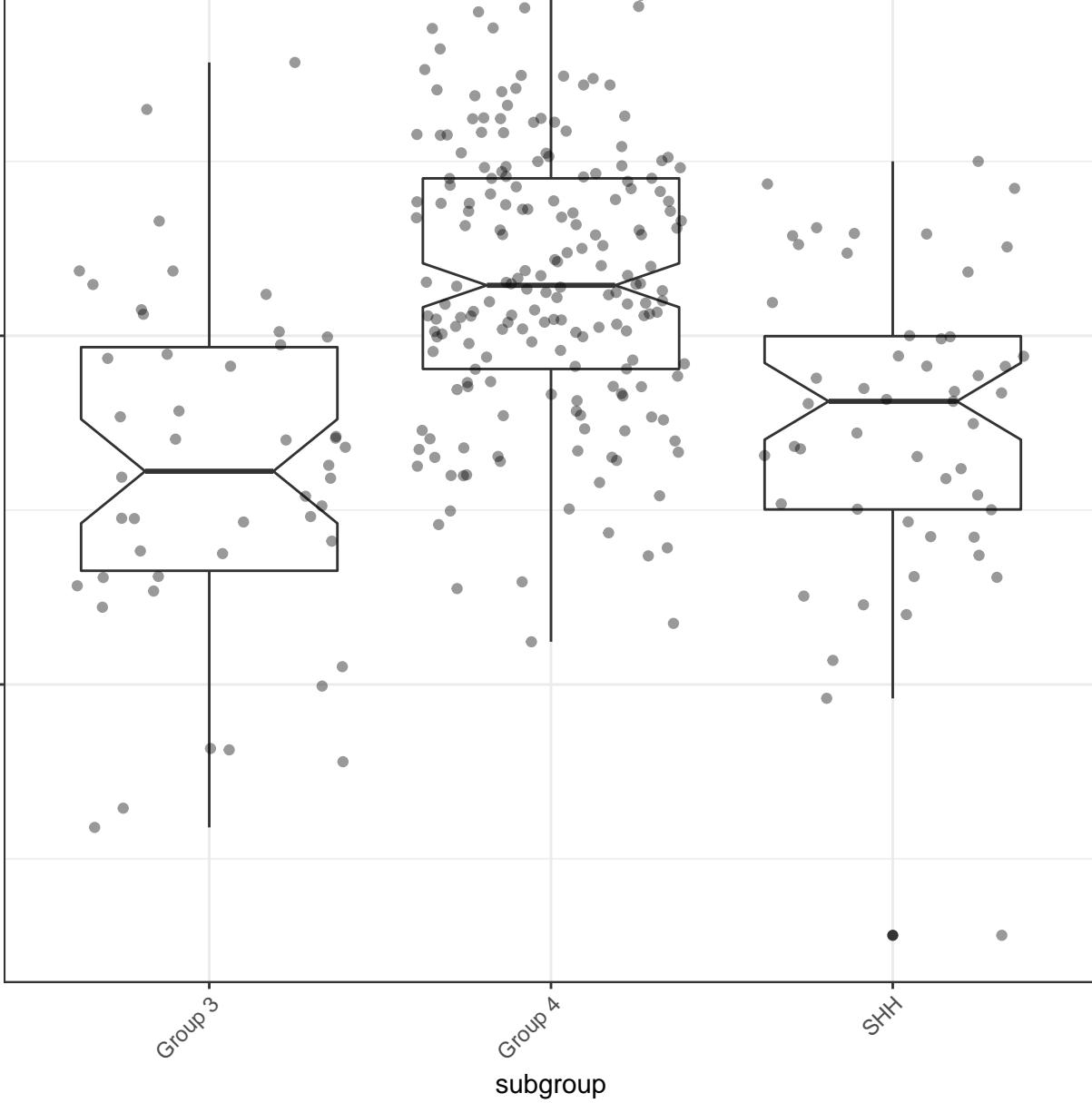
-0.05

Group 3

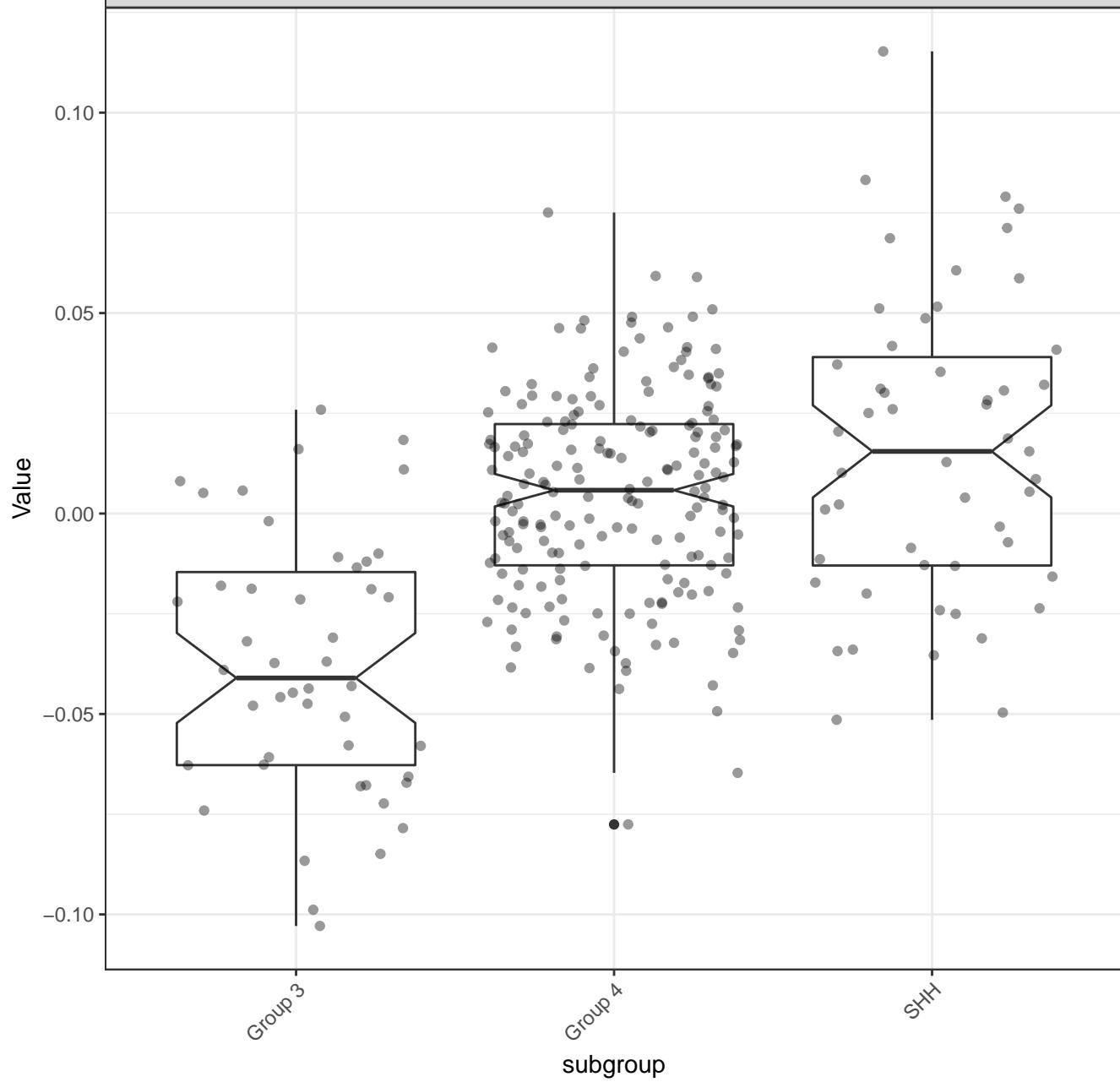
Group 4

SHH

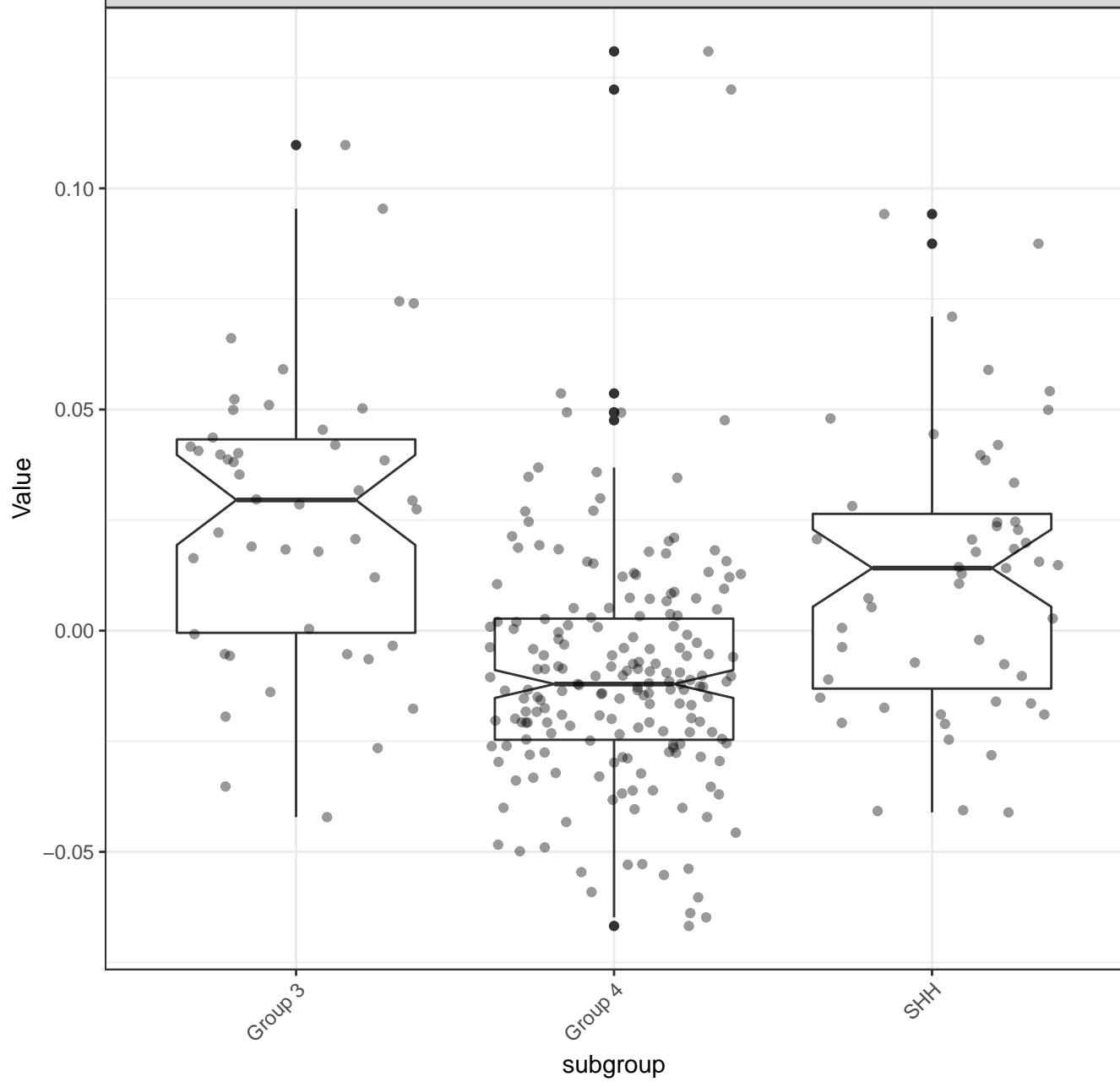
subgroup



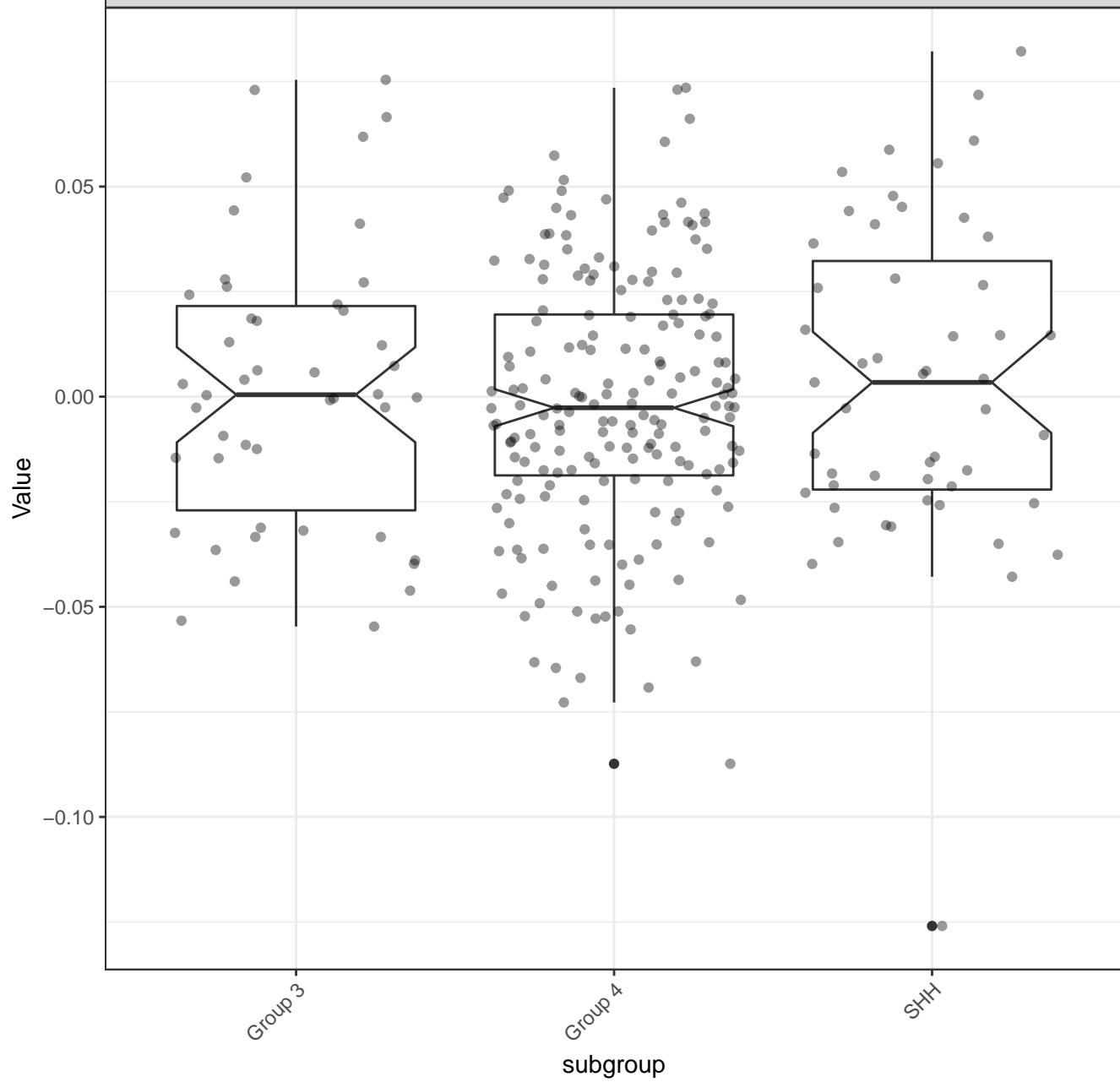
LV 259



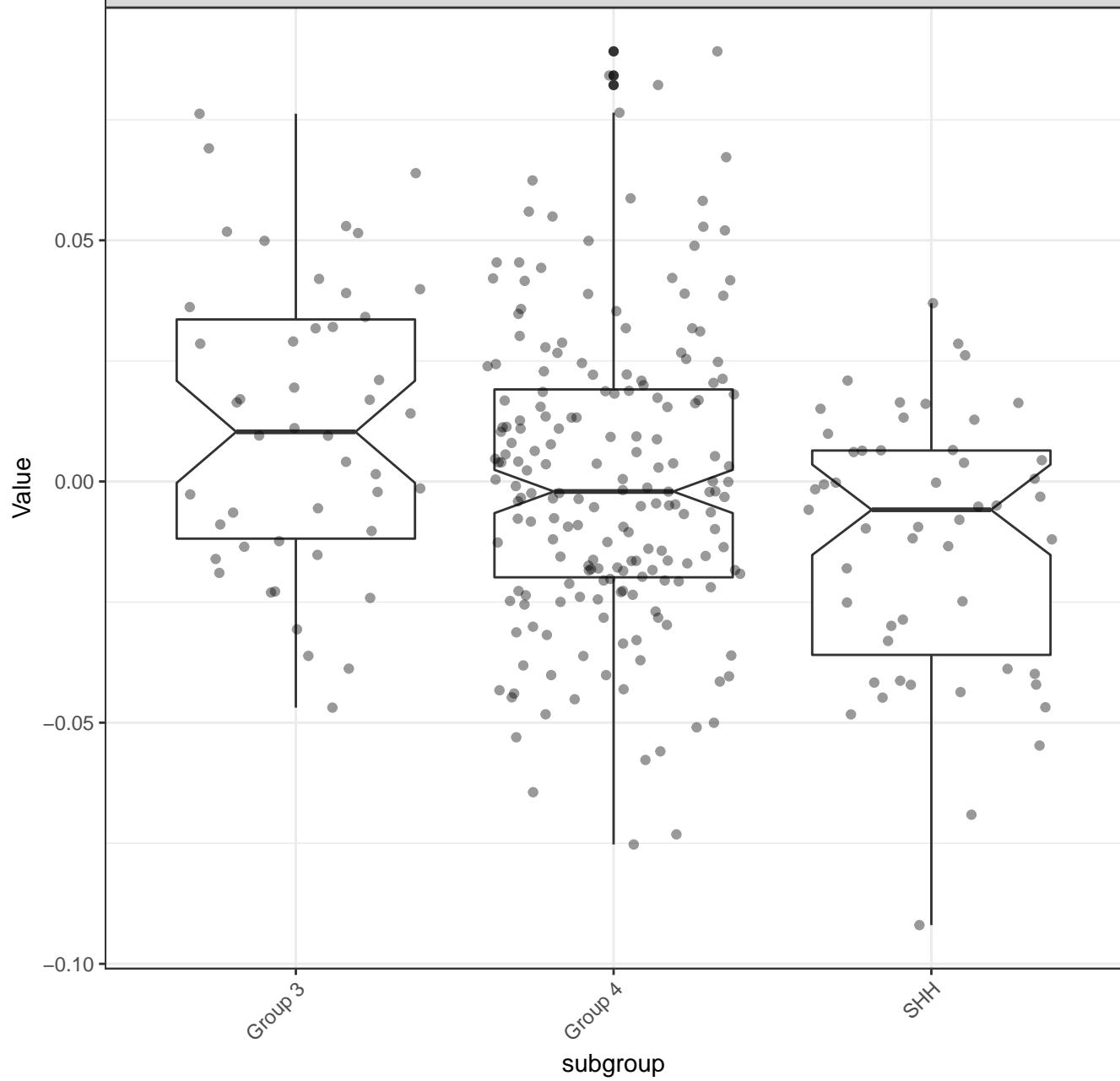
LV 260

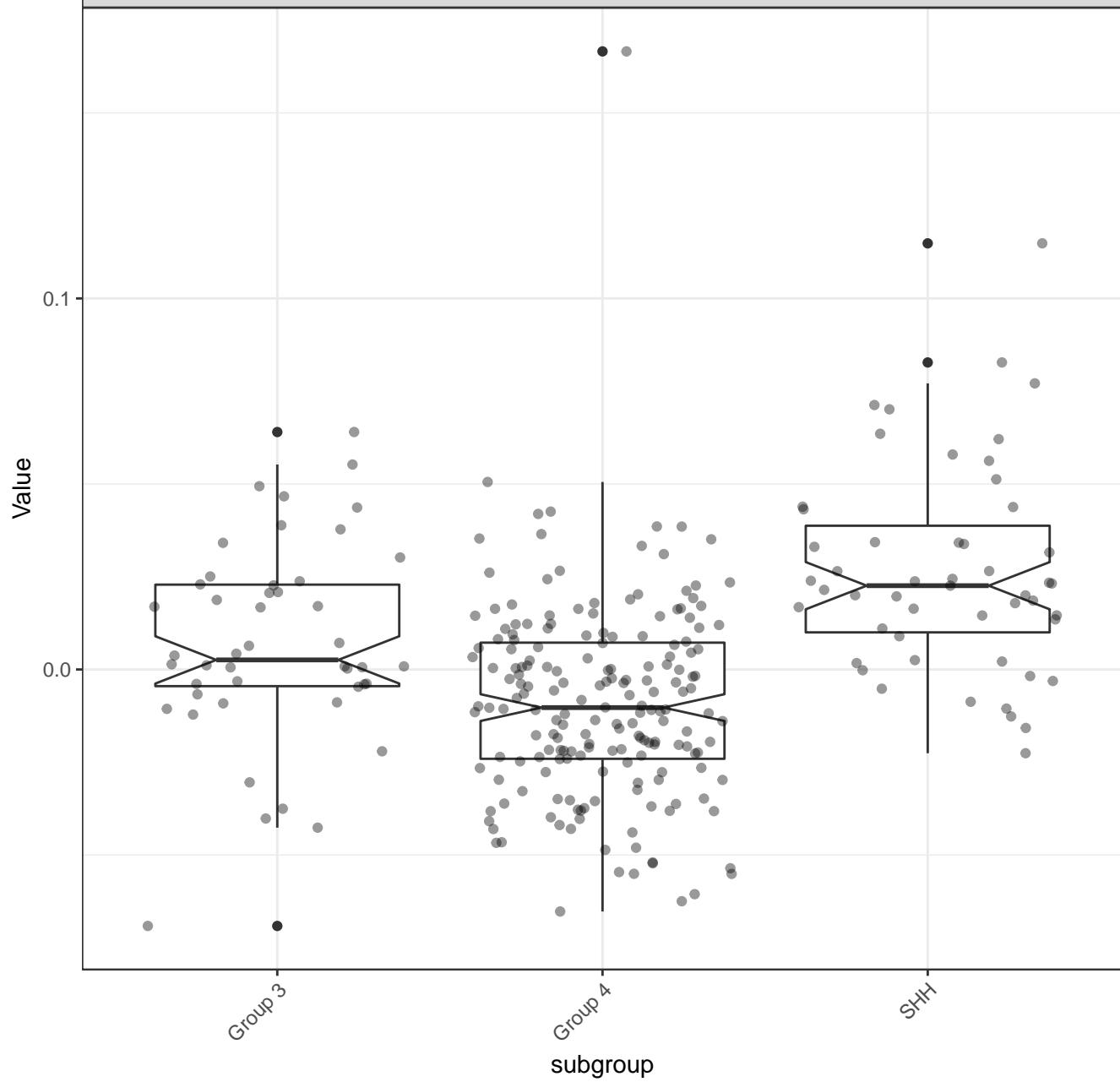


LV 261

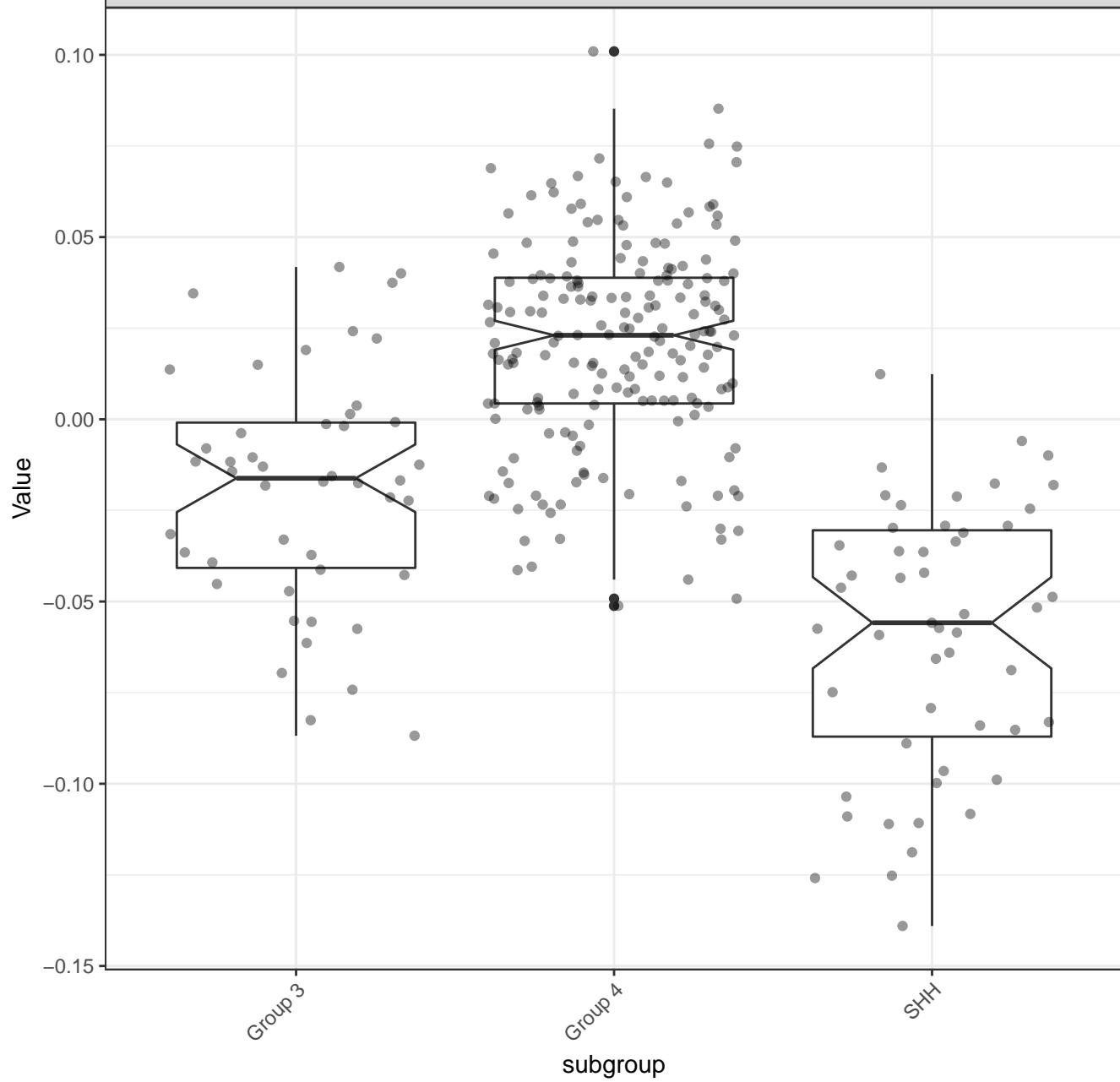


LV 262





264,DMAP_MEGA2



LV 265

Value

0.05

0.00

-0.05

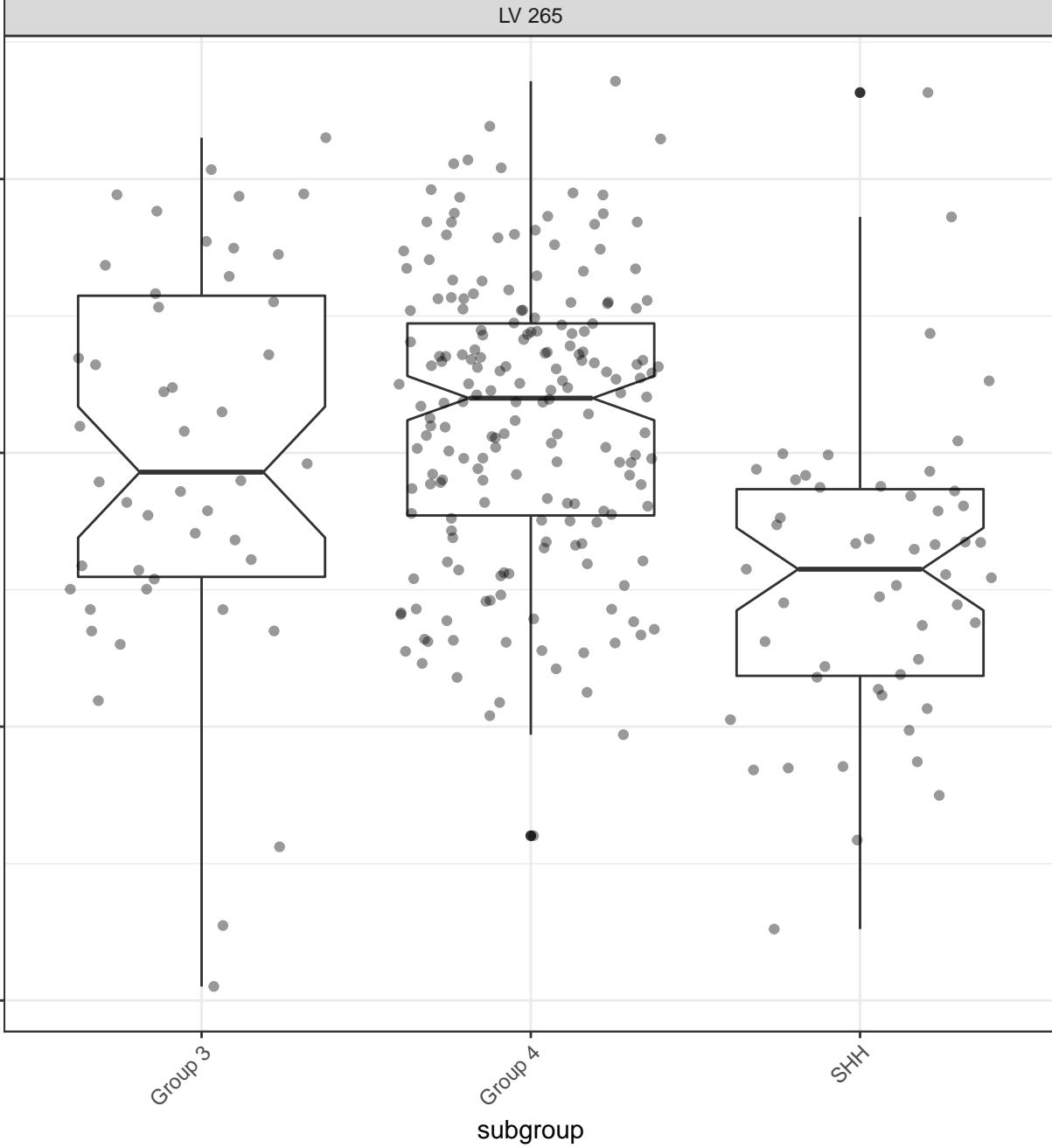
-0.10

Group 3

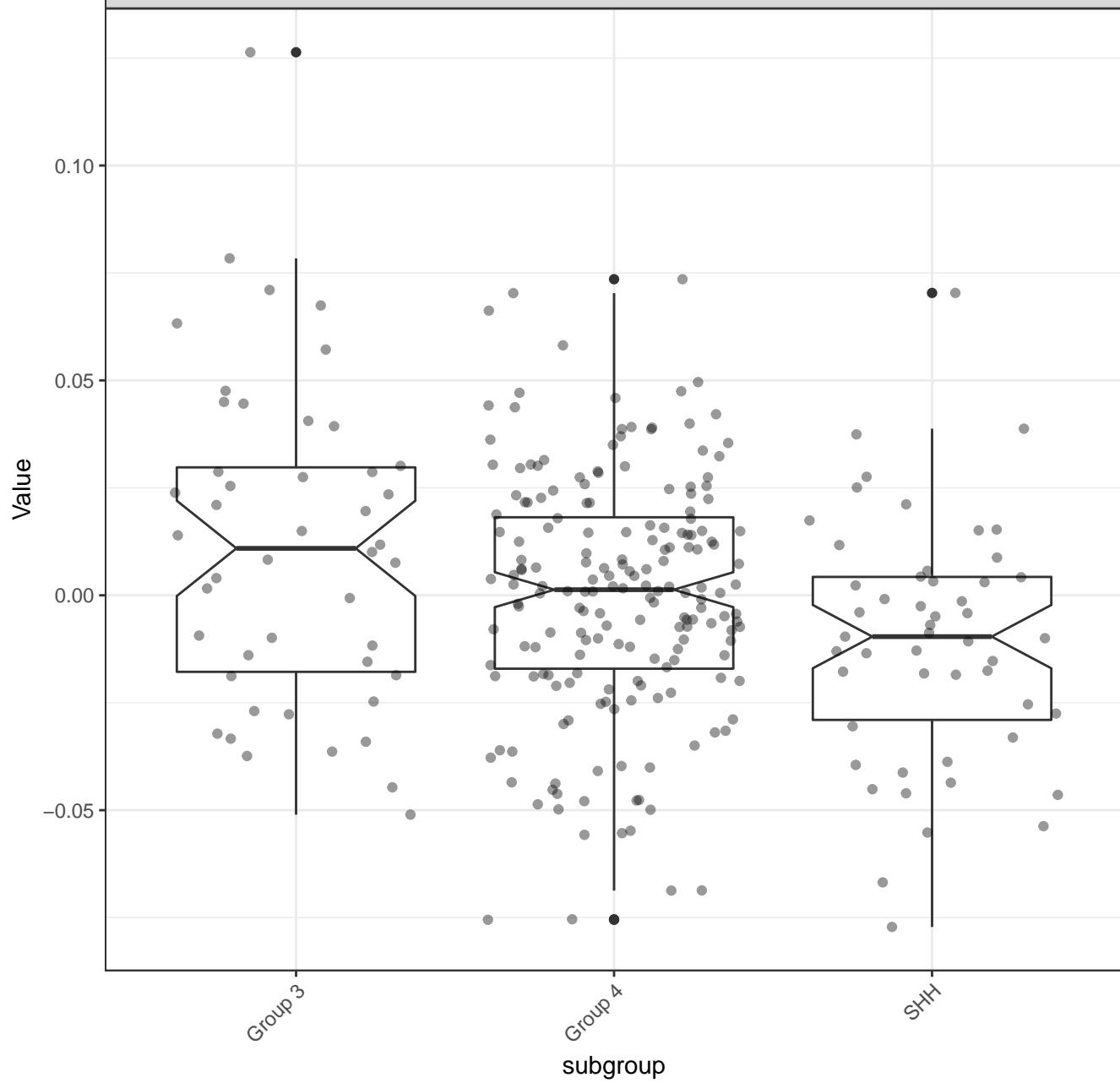
Group 4

SHH

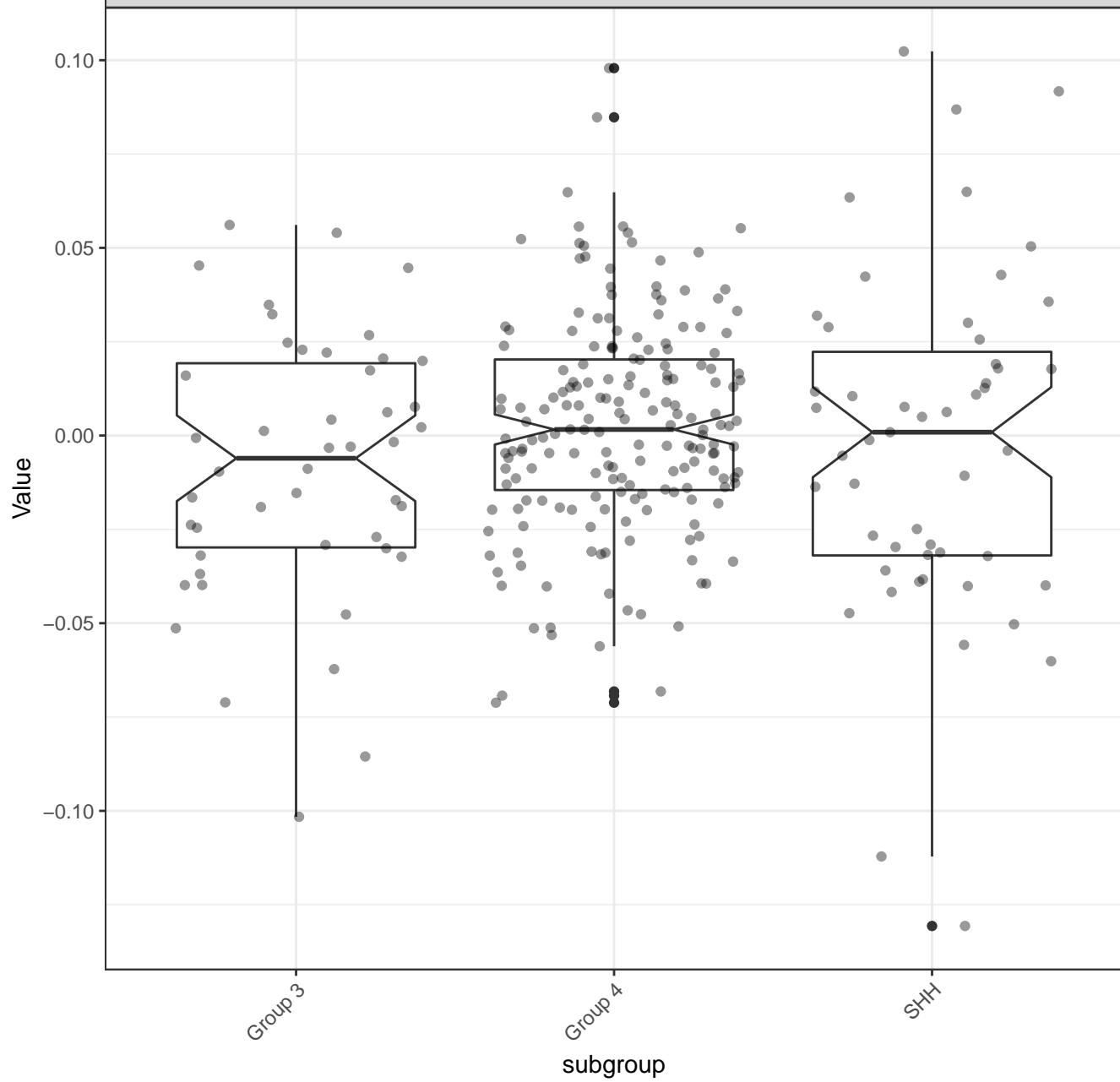
subgroup



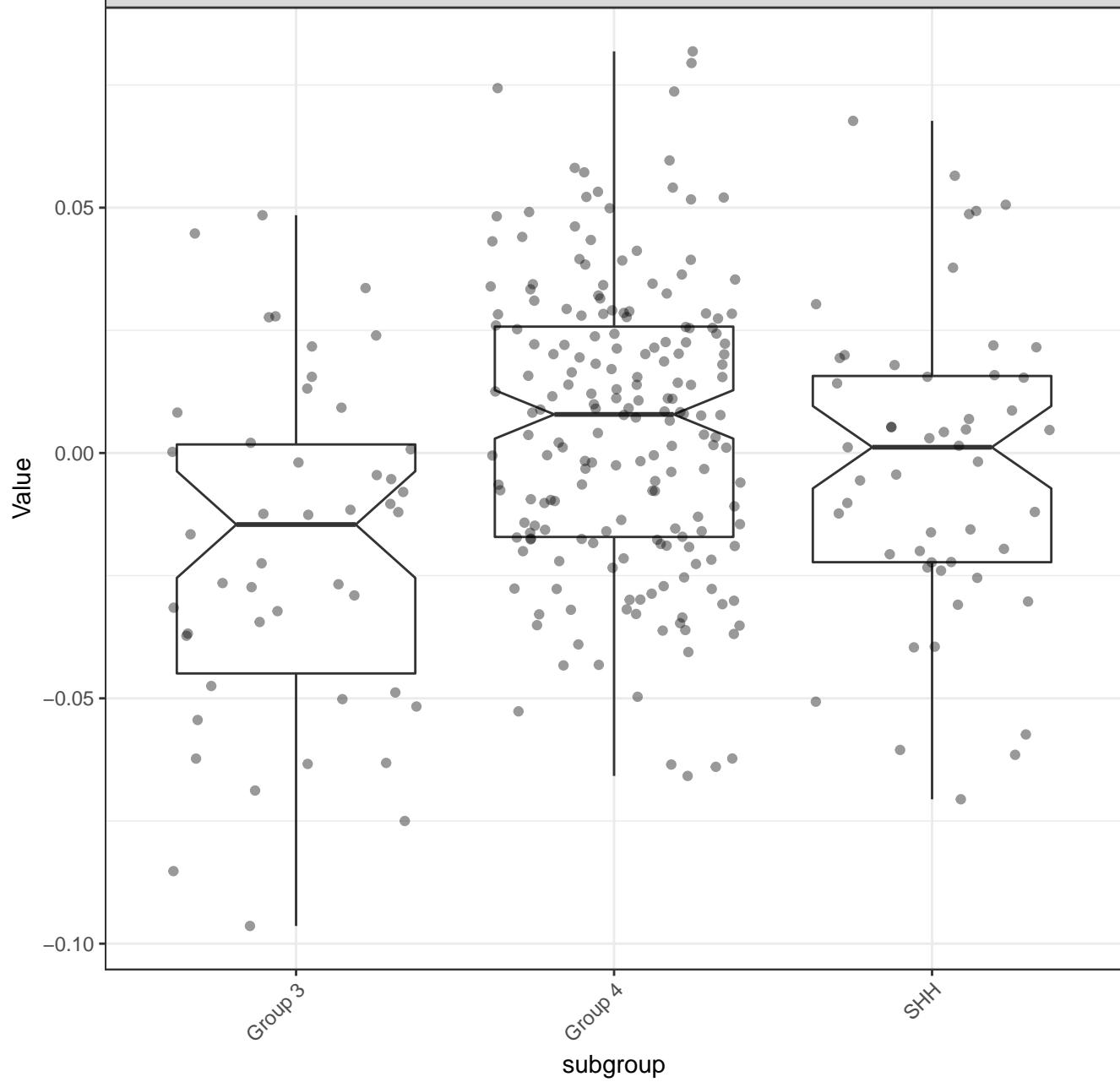
266,PID_FASPATHWAY



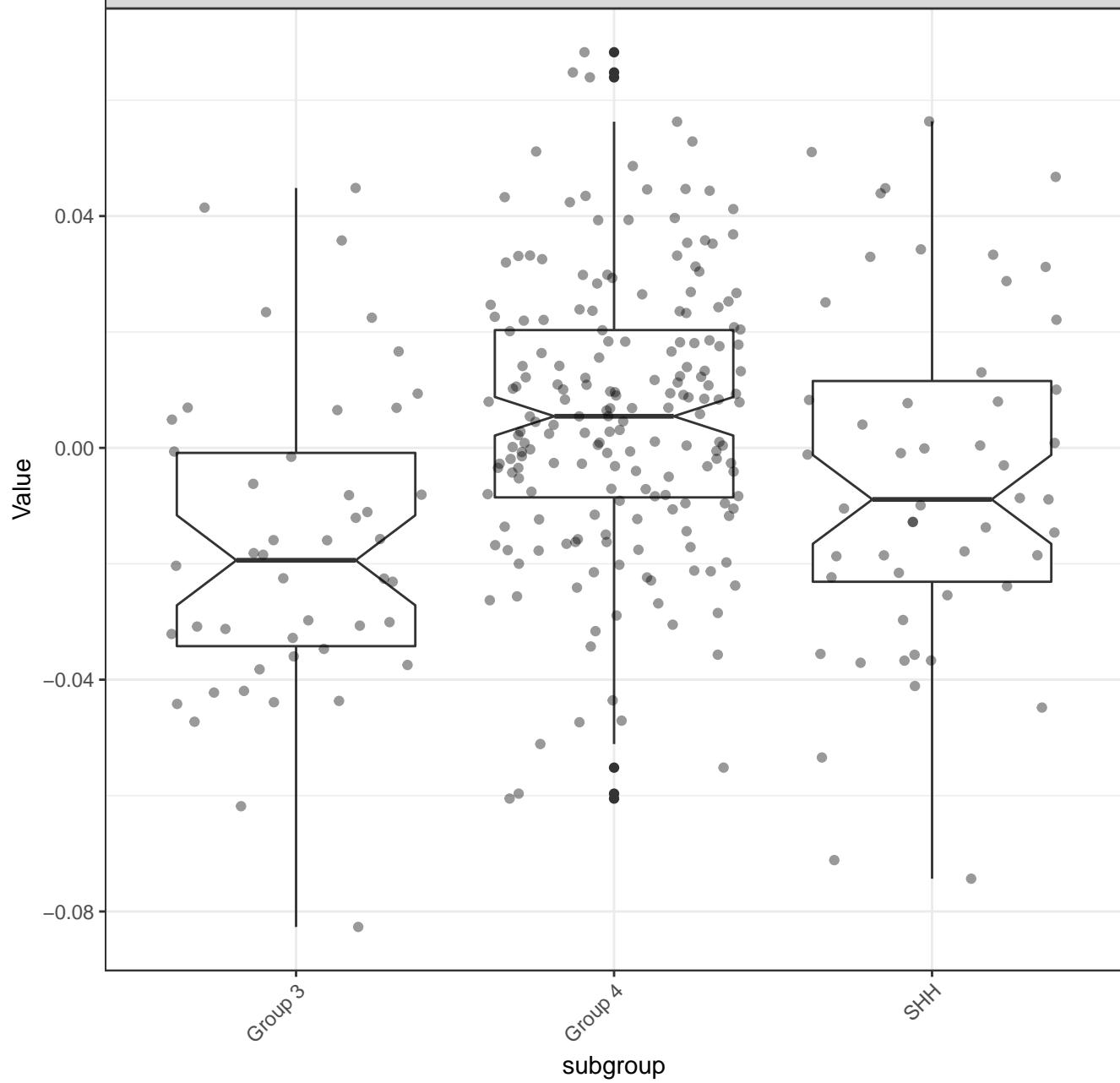
LV 267



LV 268



LV 269



LV 270

Value

0.05

0.00

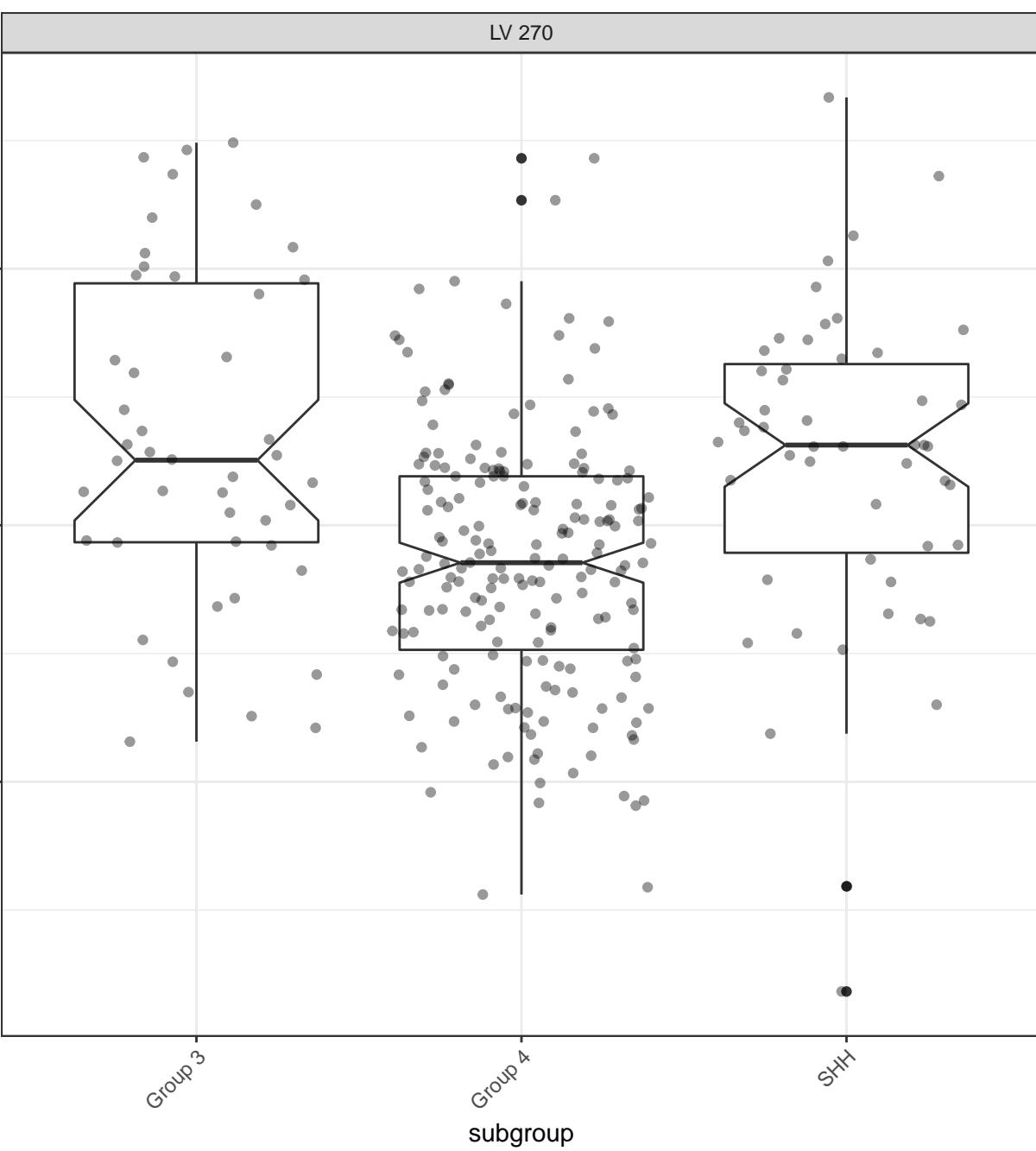
-0.05

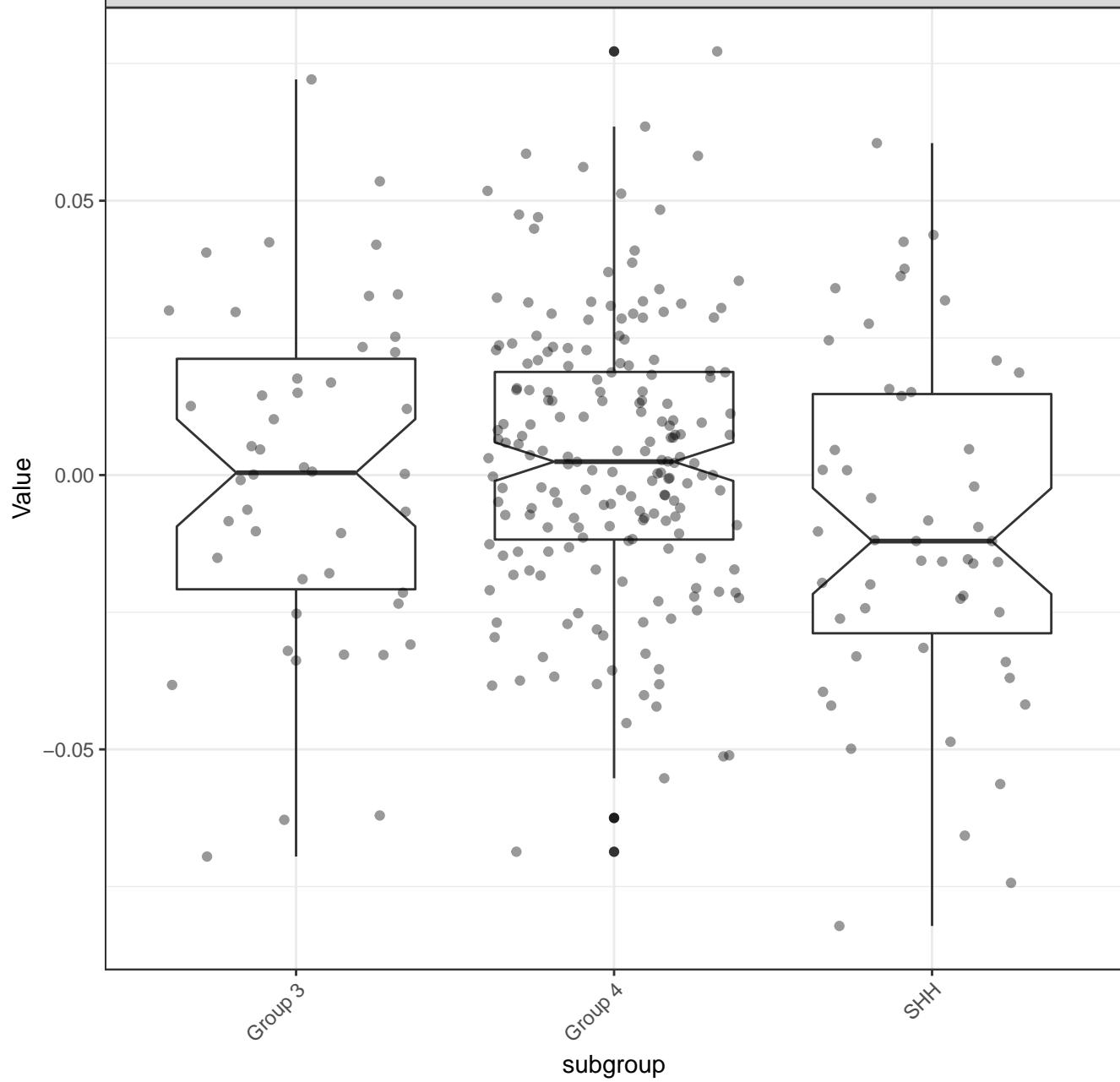
Group 3

Group 4

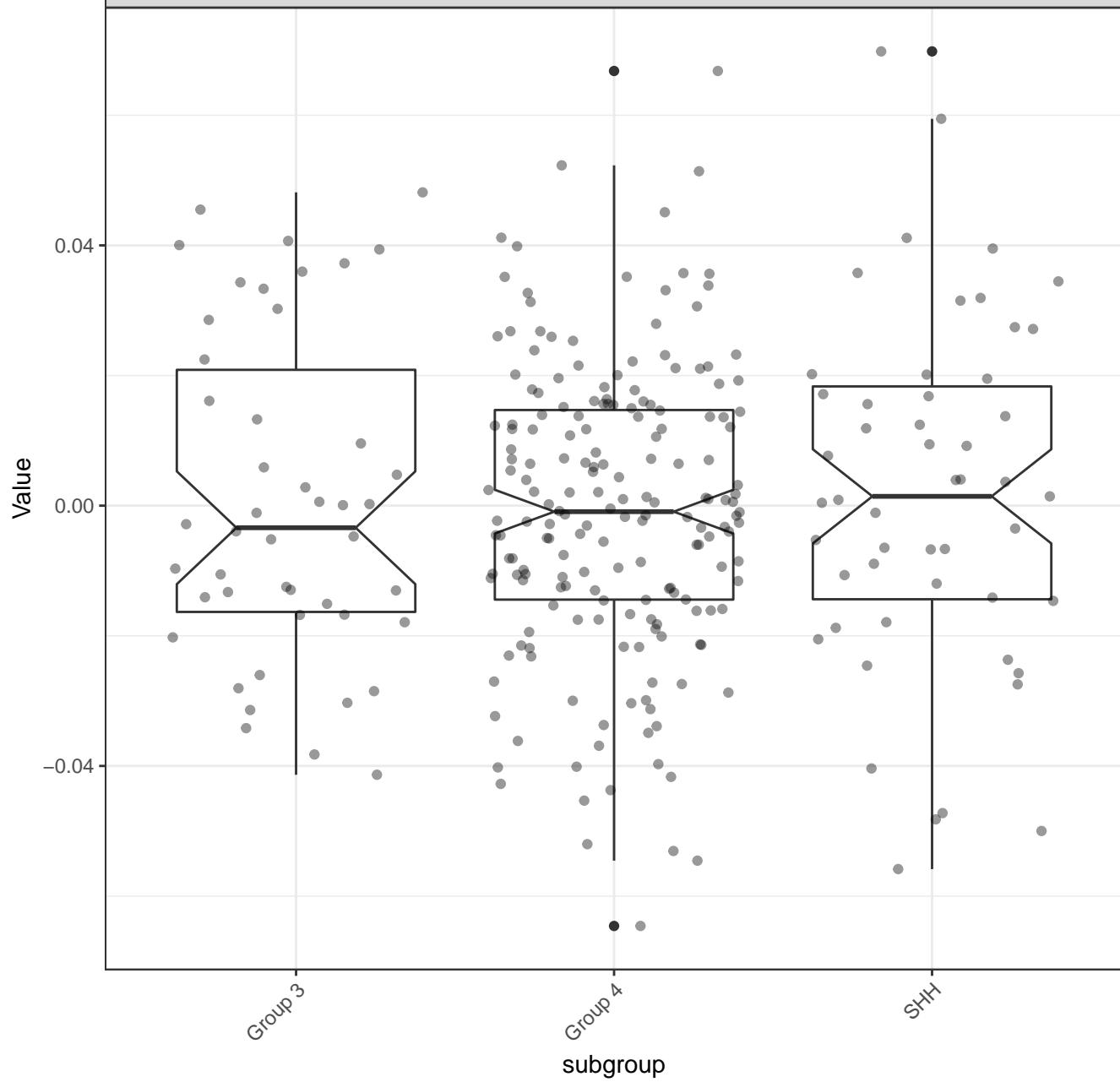
SHH

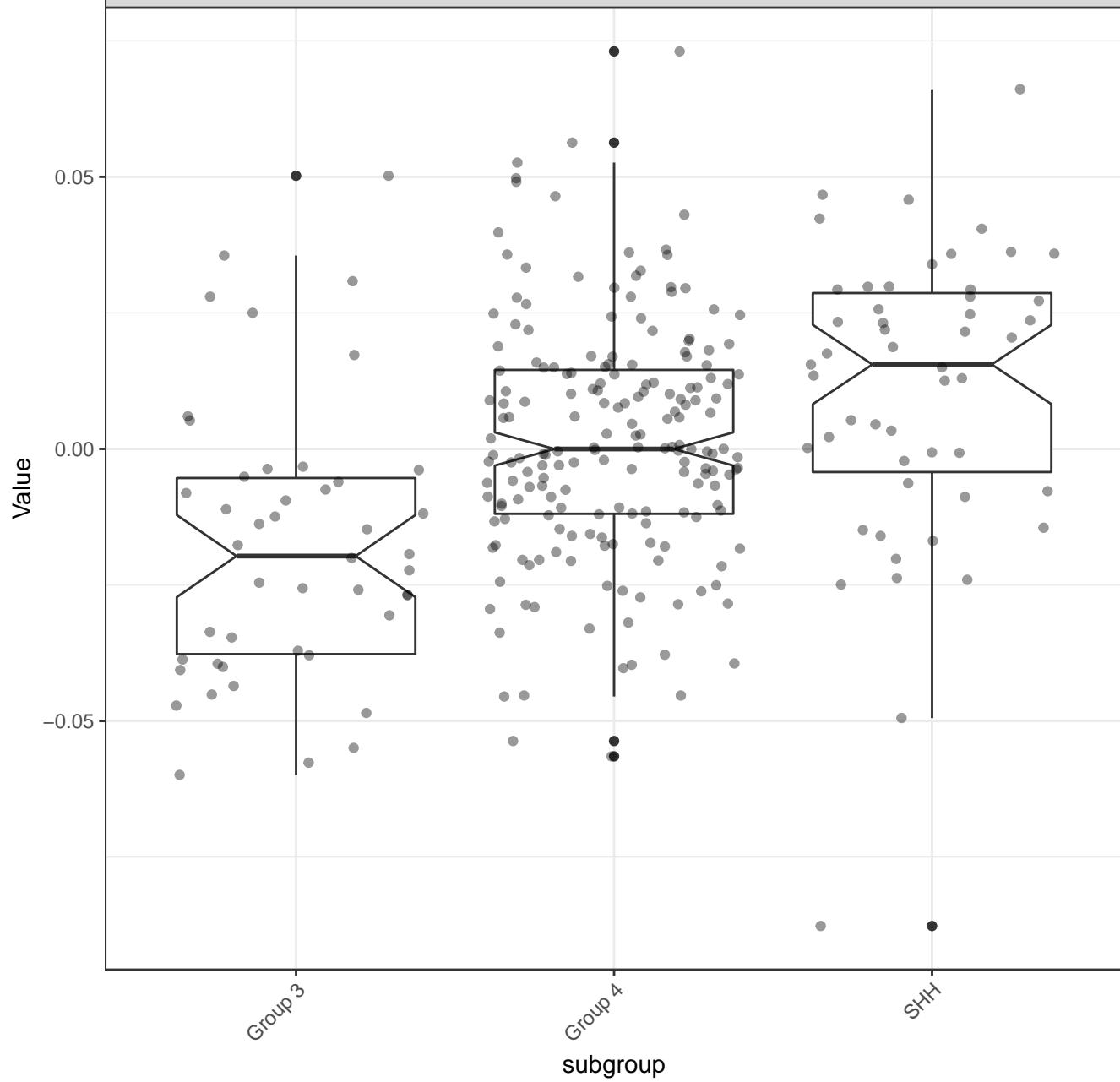
subgroup





LV 272





Value

0.10

0.05

0.00

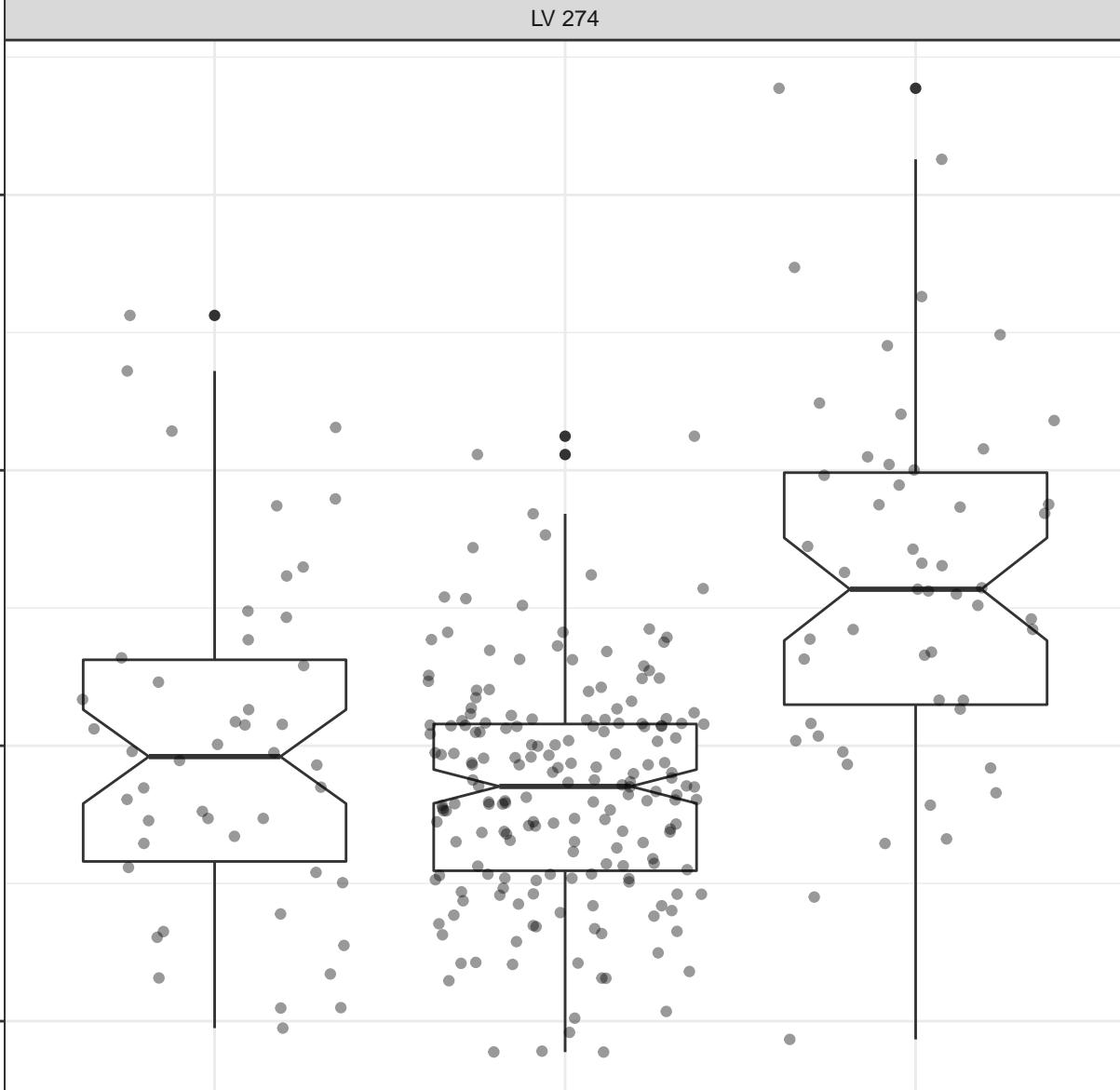
-0.05

Group 3

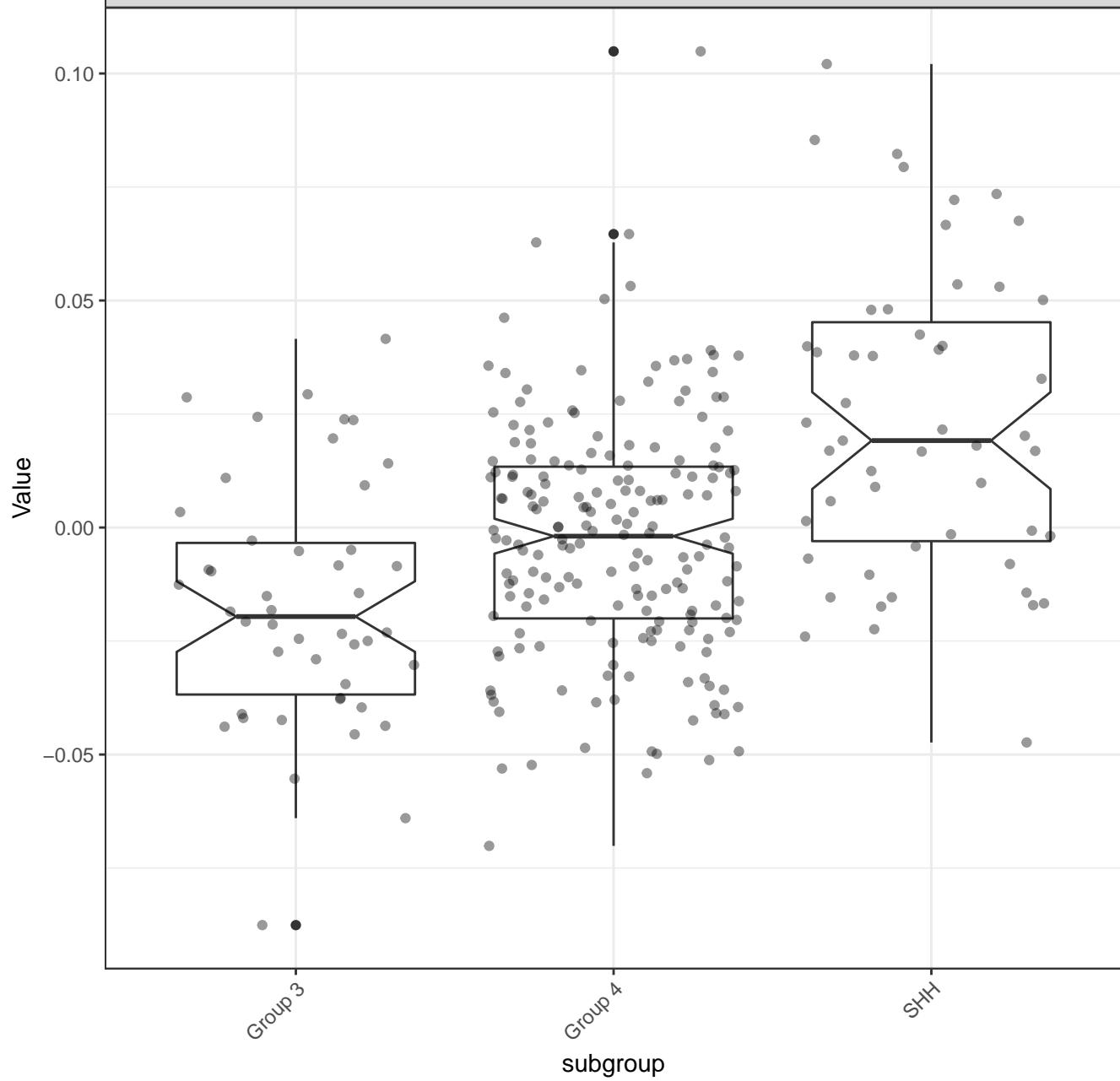
subgroup

Group 4

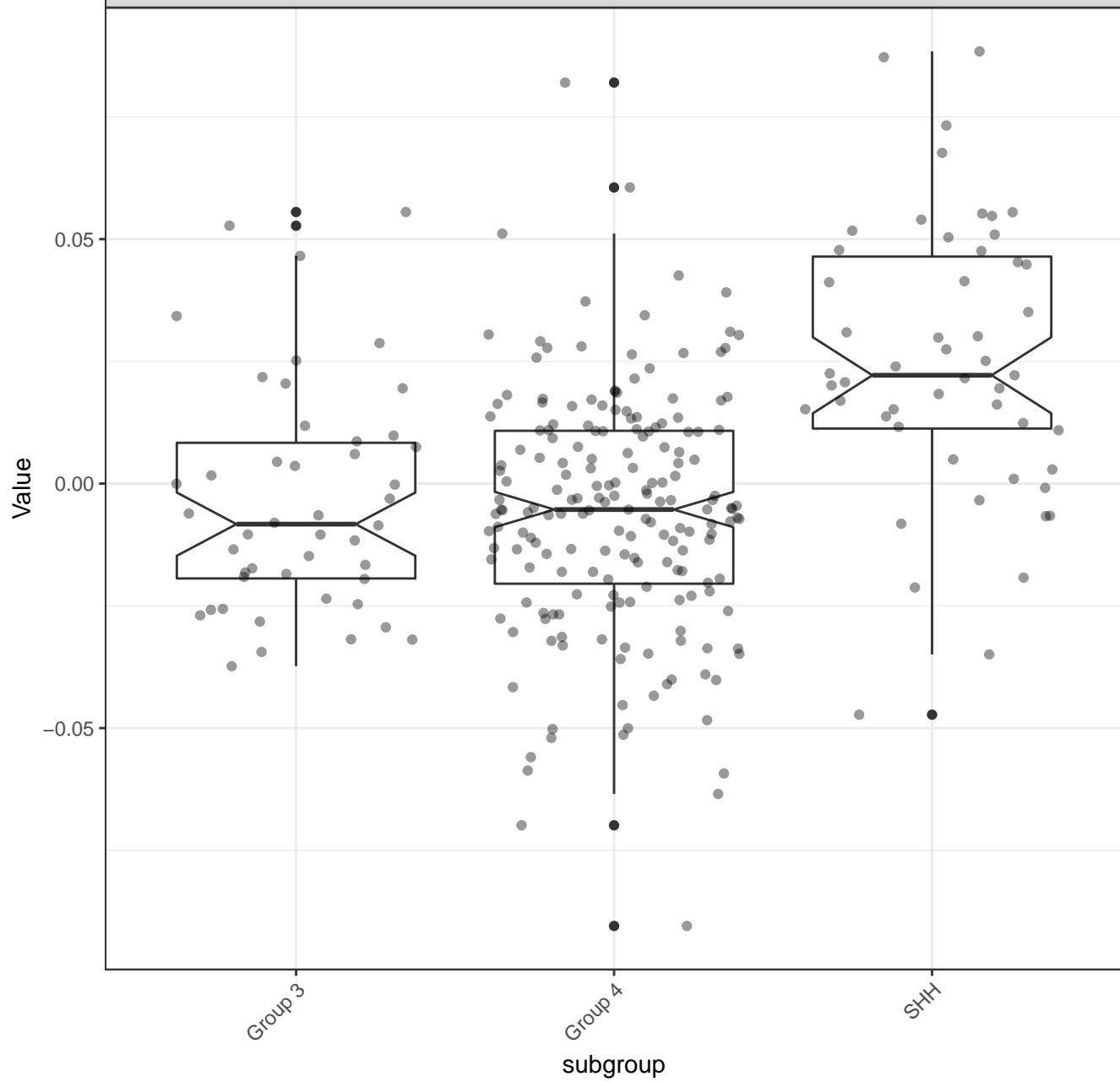
SHH



LV 275



LV 276



LV 277

Value

0.10

0.05

0.00

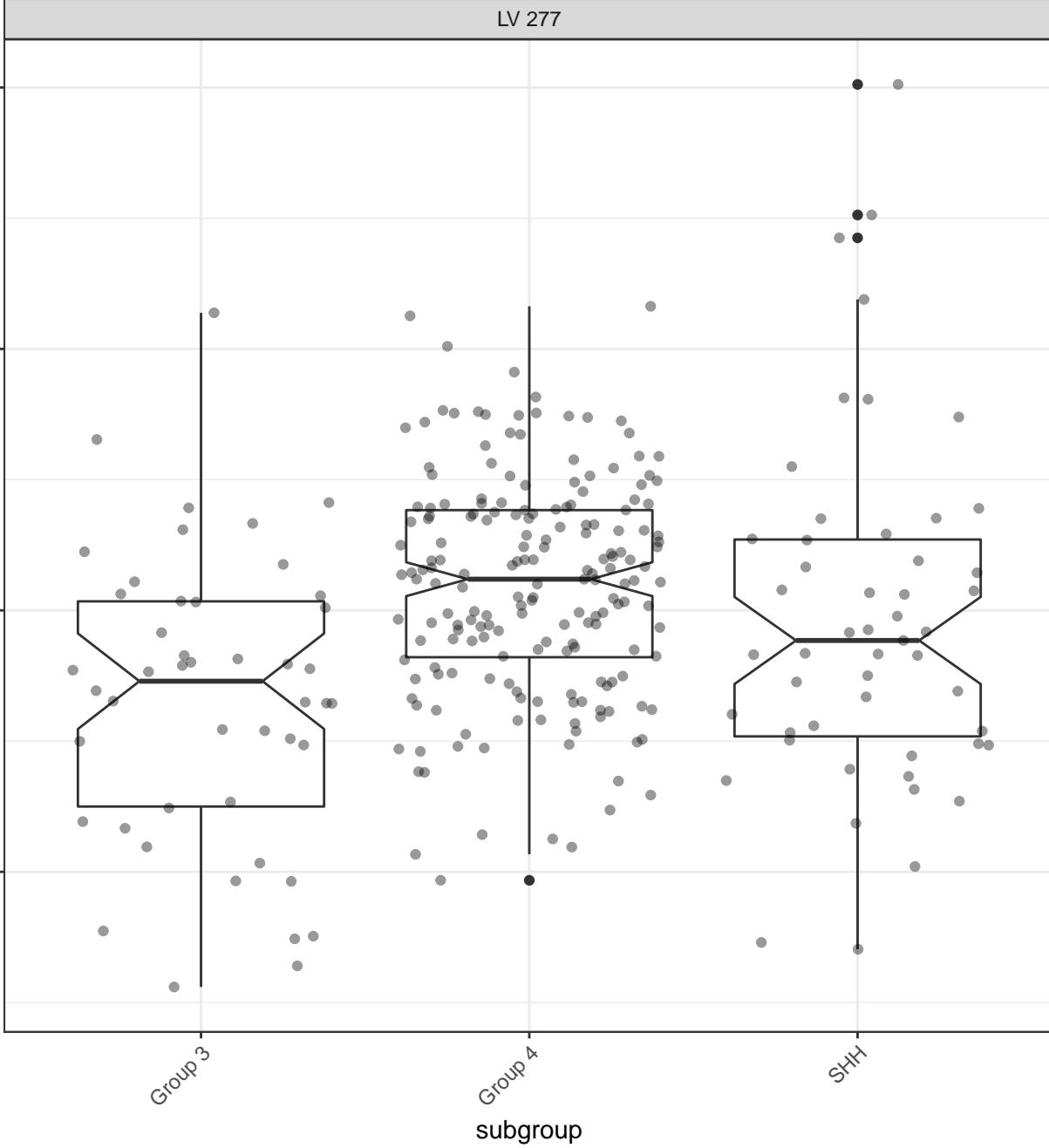
-0.05

Group 3

Group 4

SHH

subgroup



LV 278

Value

0.05

0.00

-0.05

Group 3

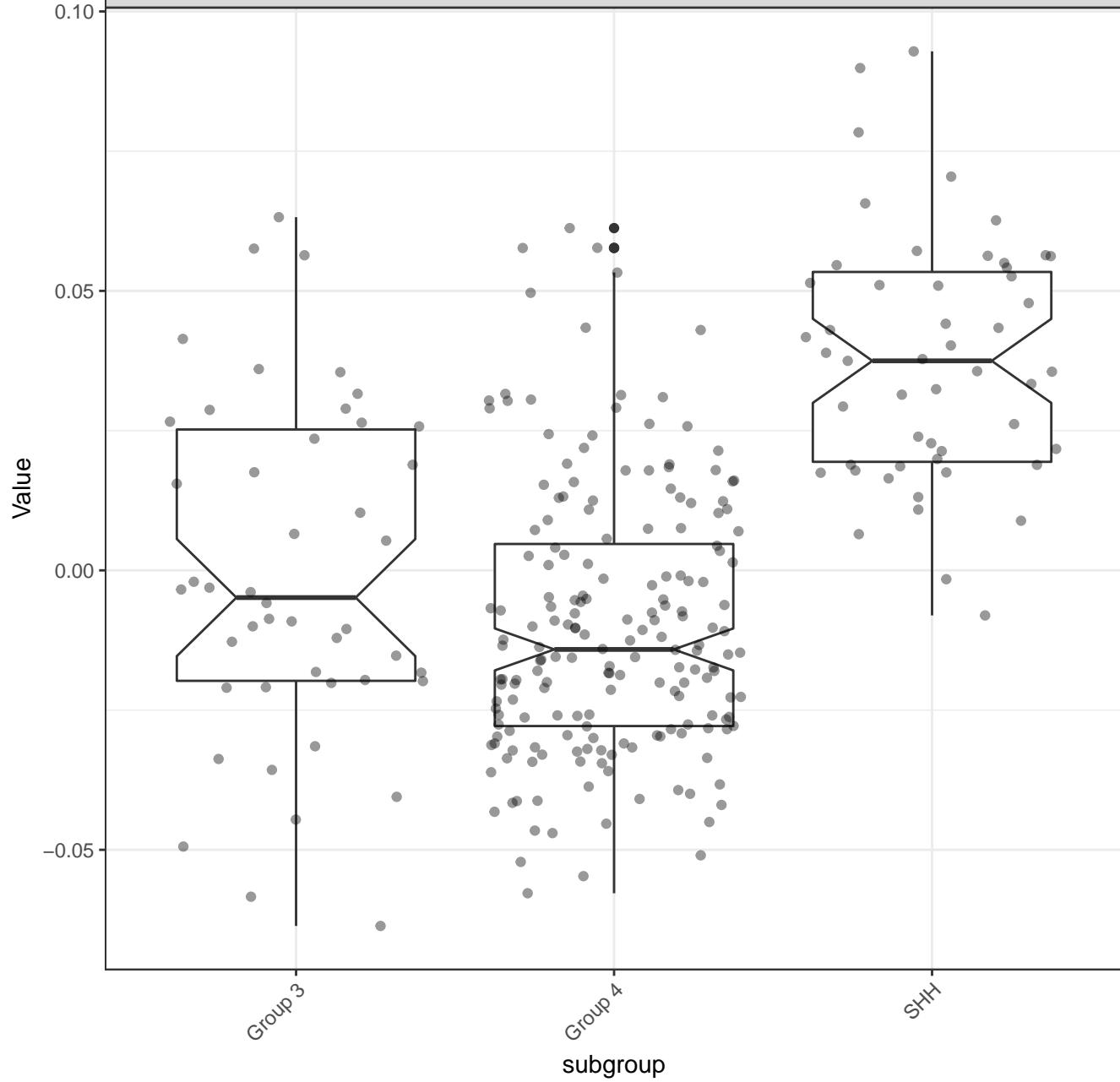
subgroup

Group 4

SHH



LV 279



LV 280

Value

0.05

0.00

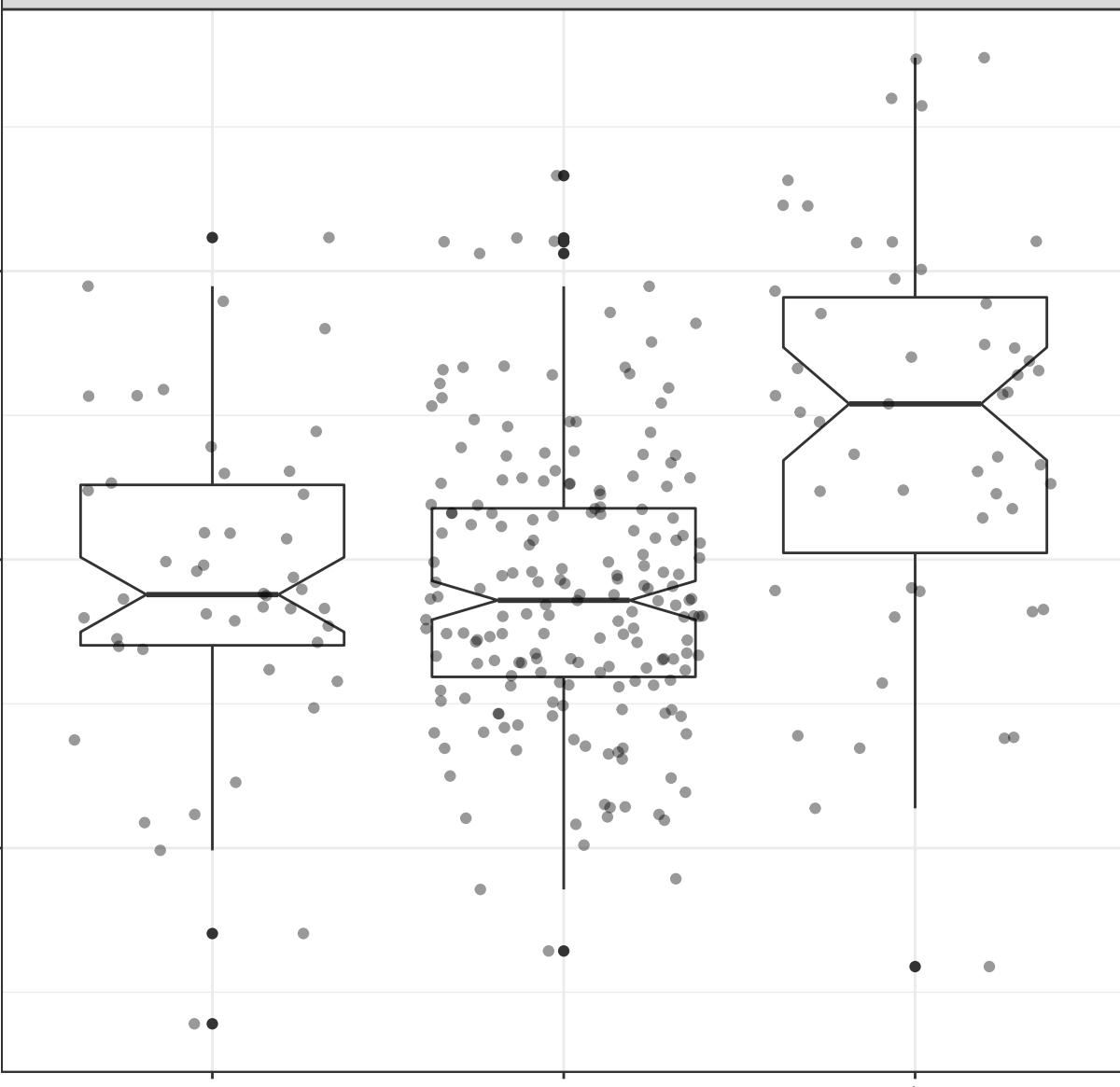
-0.05

Group 3

Group 4

SHH

subgroup



LV 281

Value

0.10

0.05

0.00

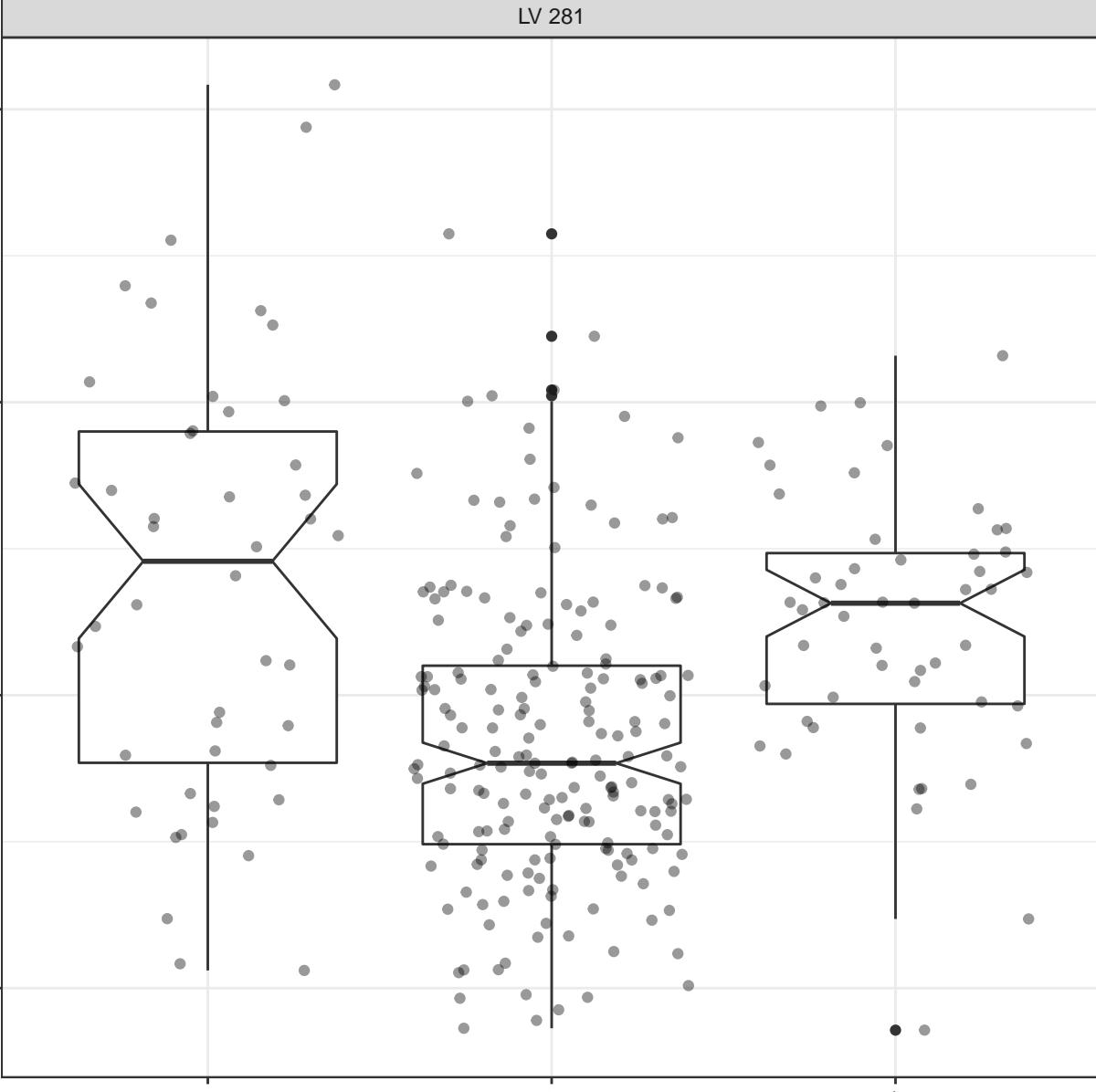
-0.05

Group 3

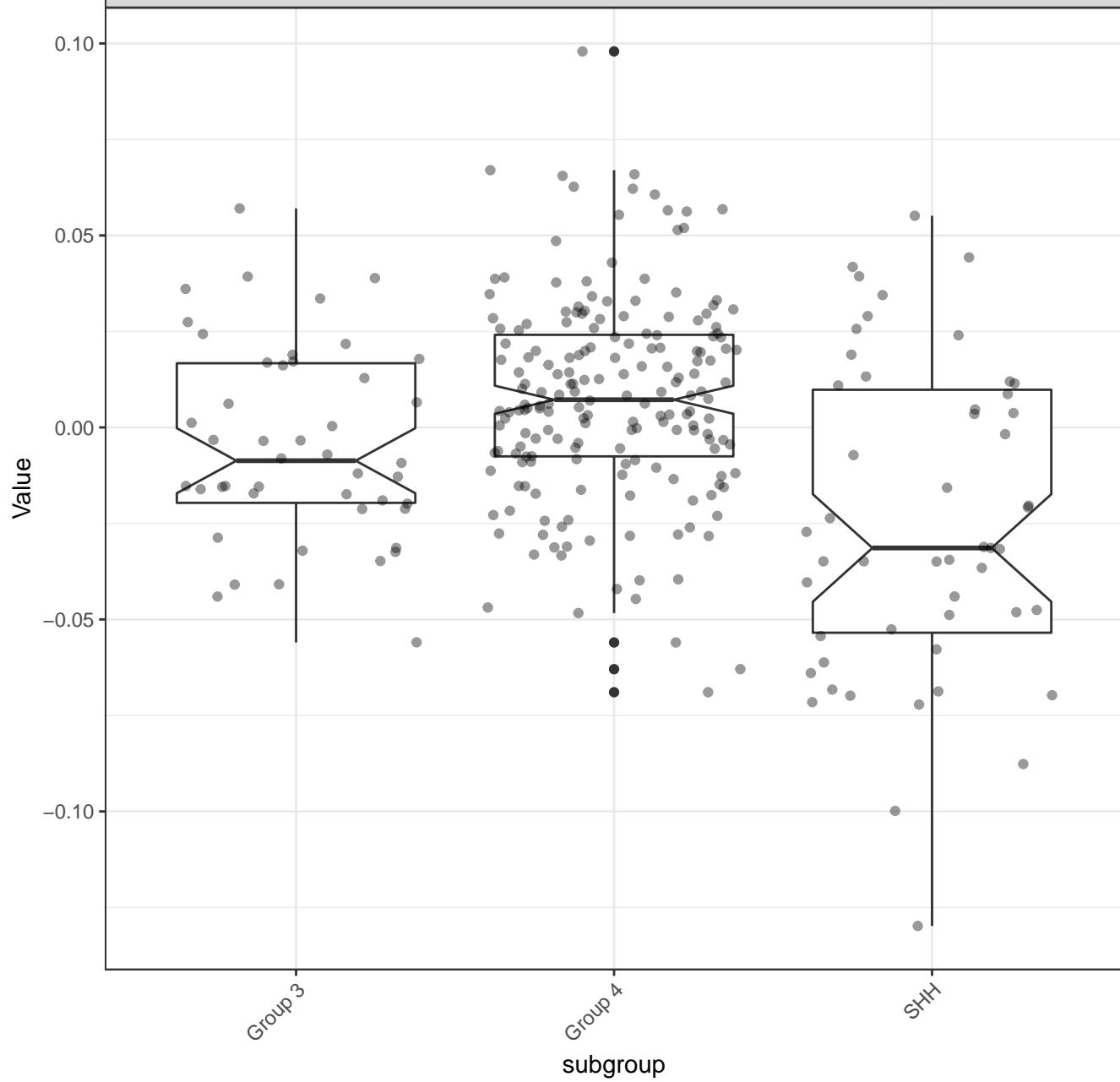
subgroup

Group 4

SHH



LV 282



Value

0.05

0.00

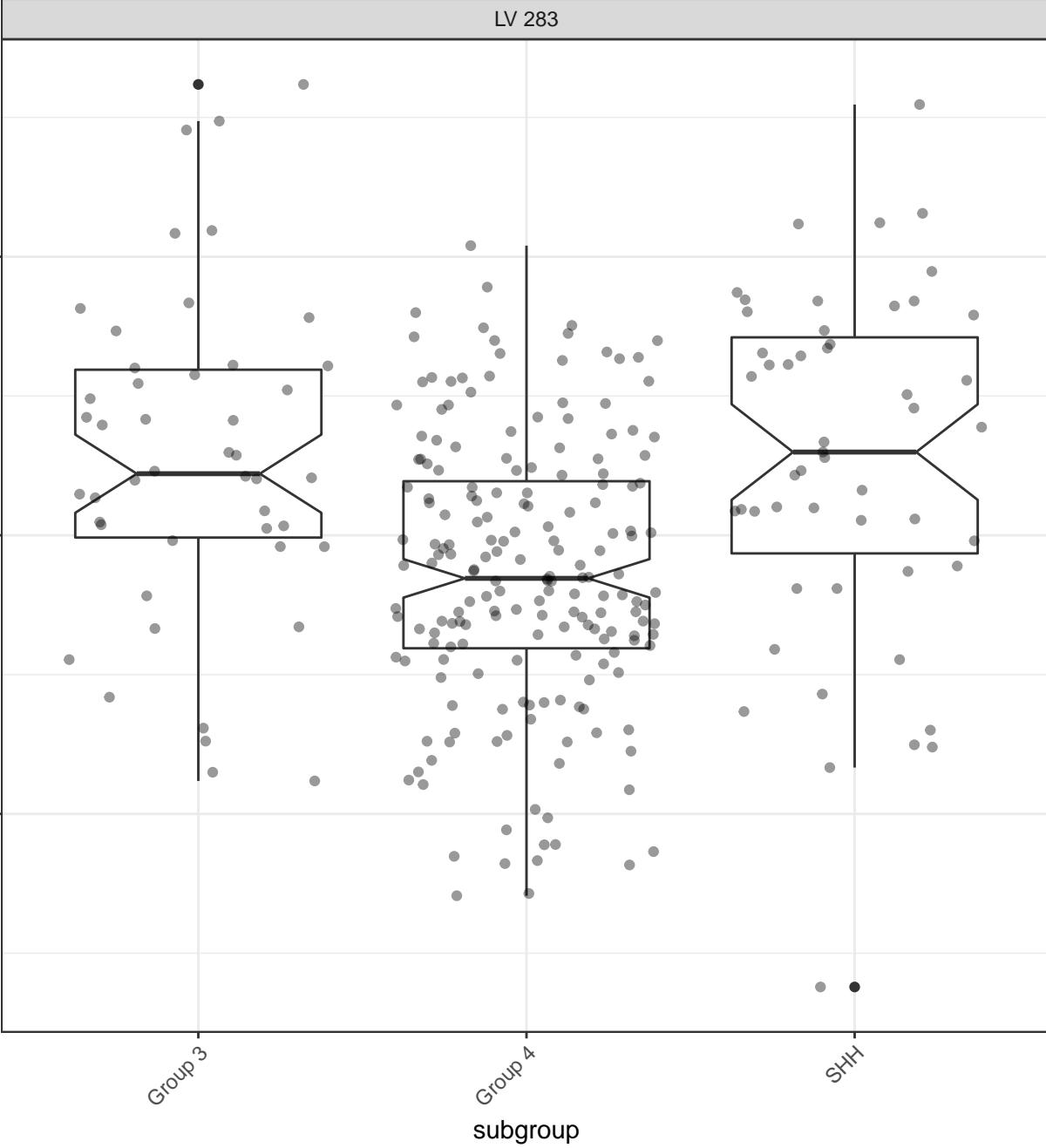
-0.05

Group 3

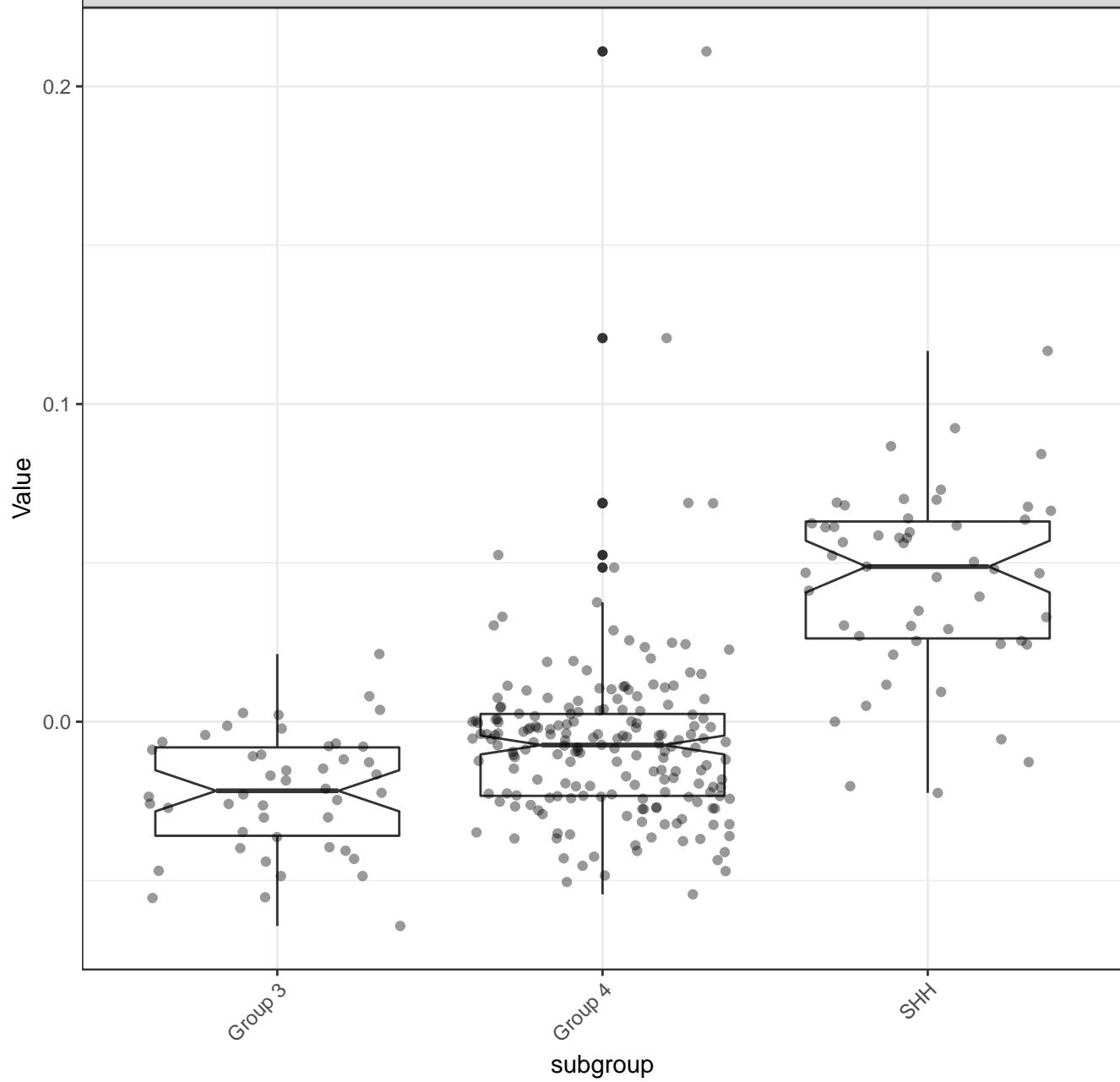
Group 4

SHH

subgroup



LV 284



285,REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION

Value

0.10

0.05

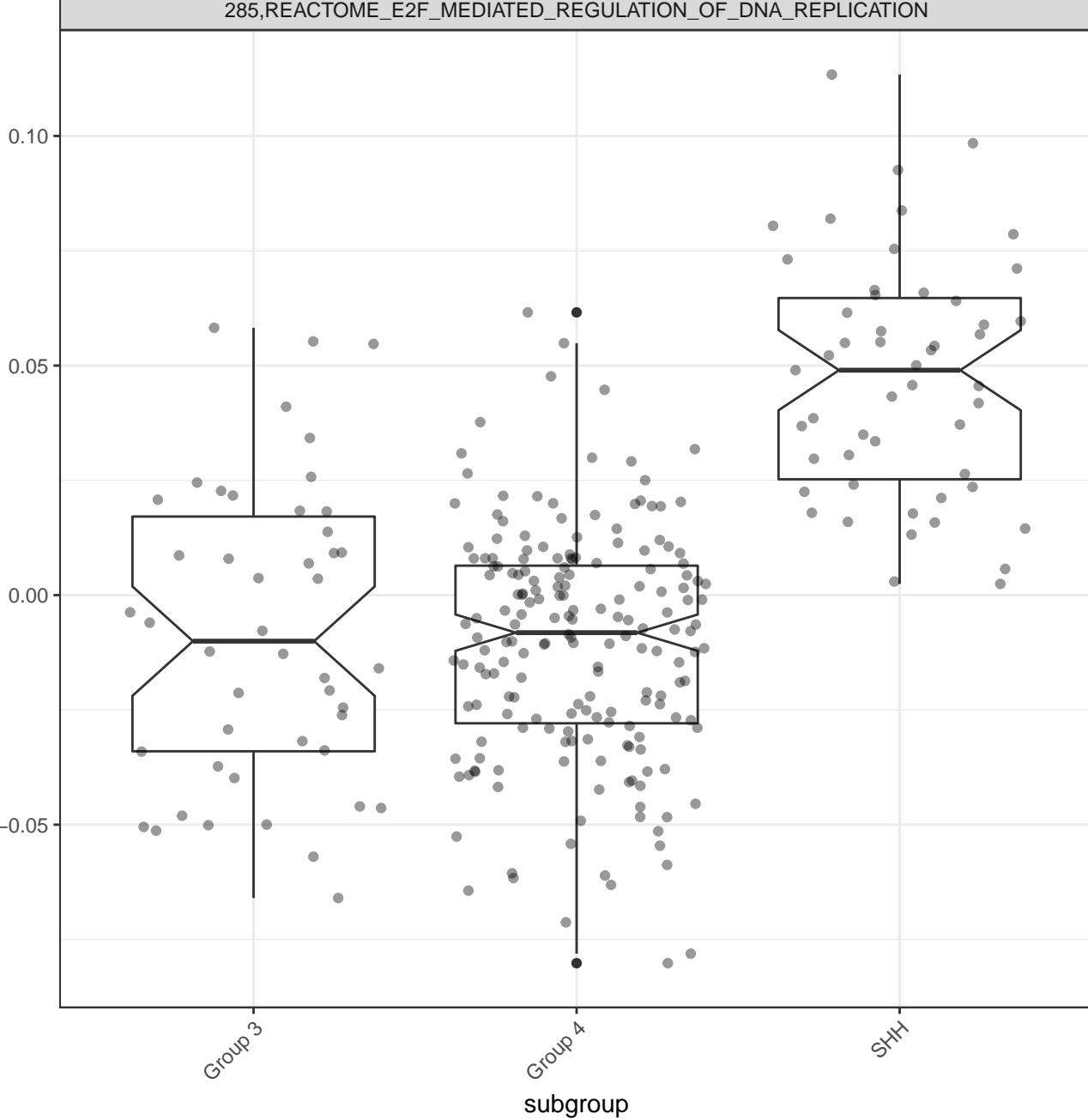
0.00

-0.05

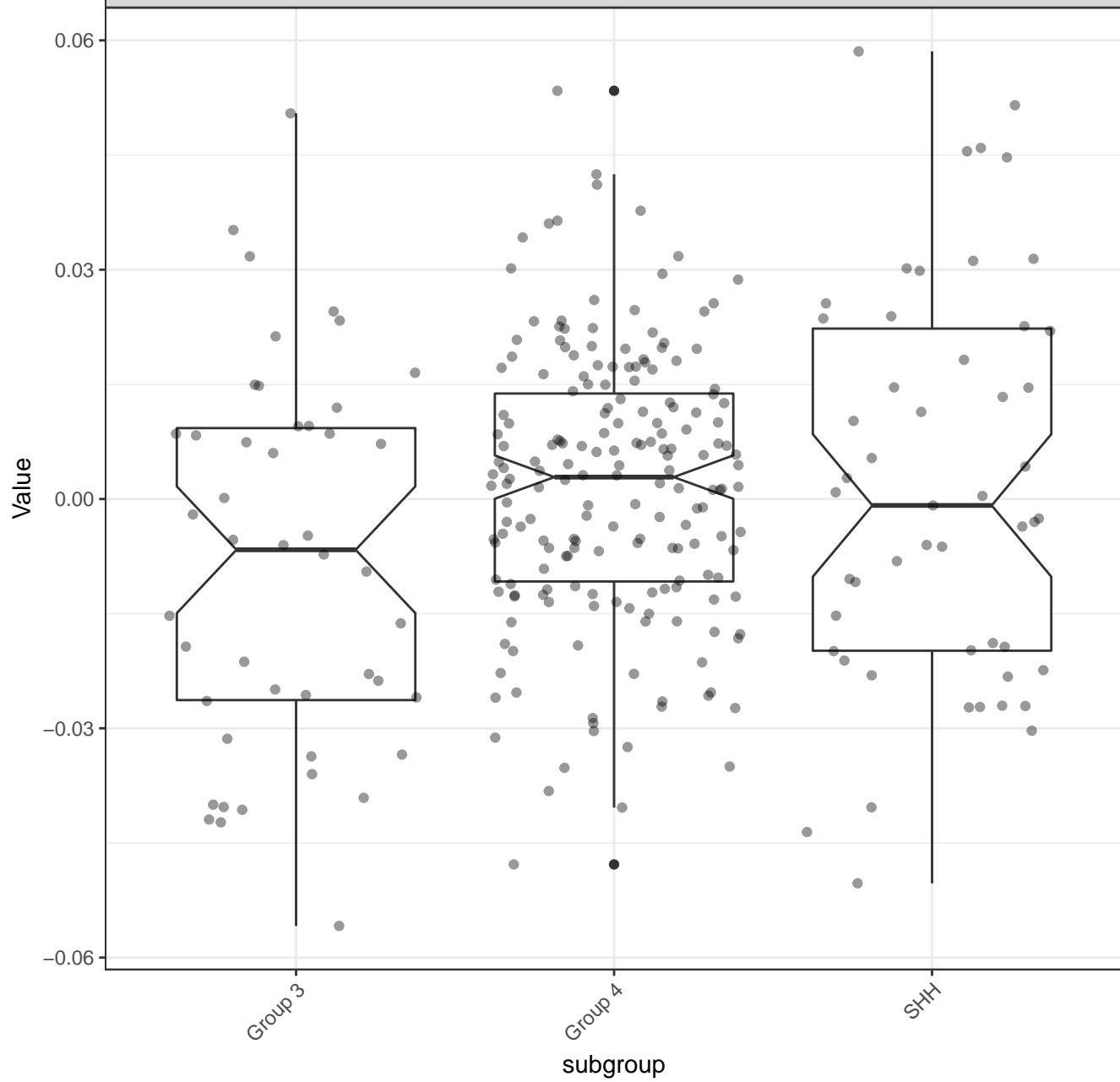
Group 3

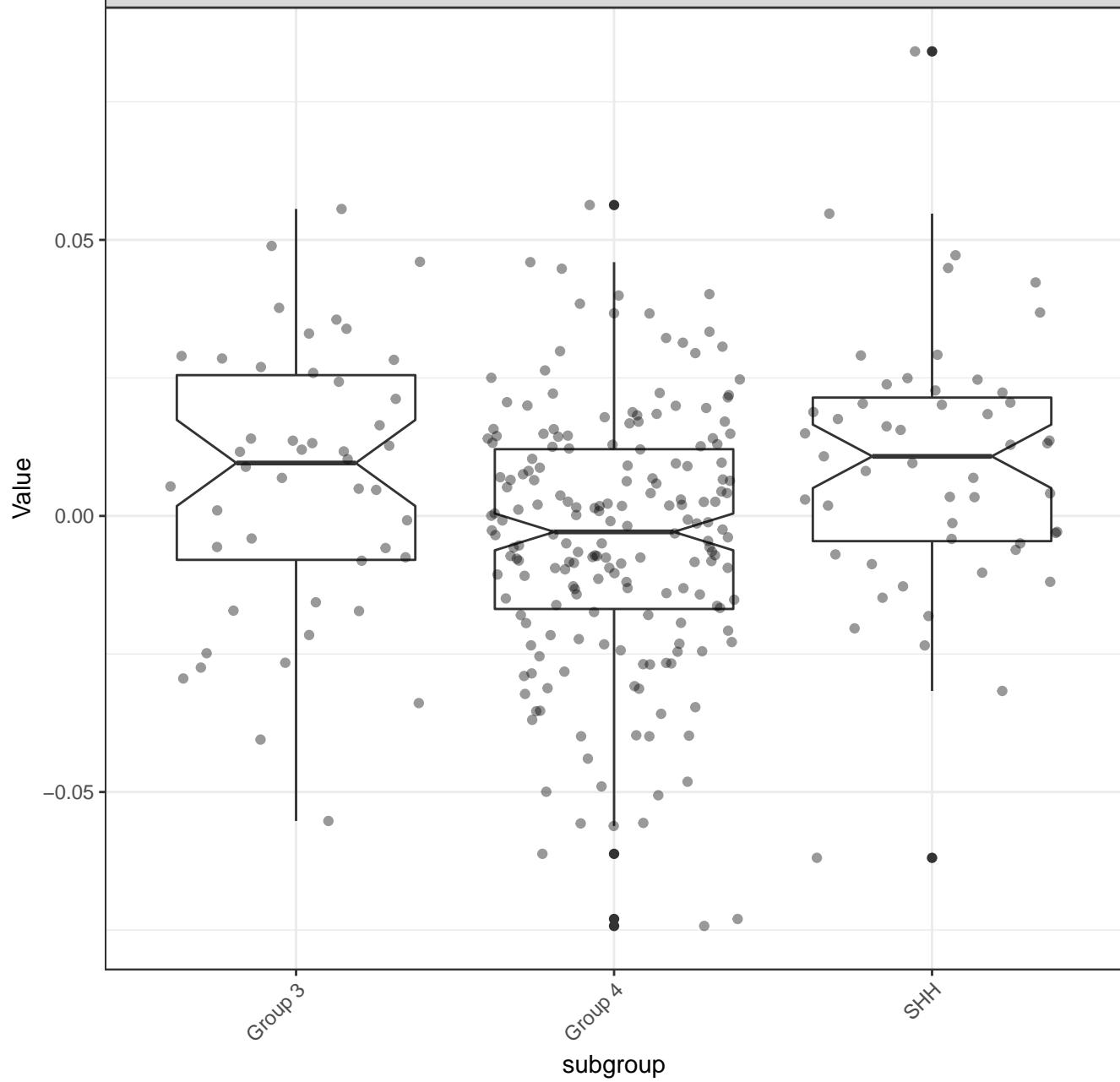
subgroup

SHH

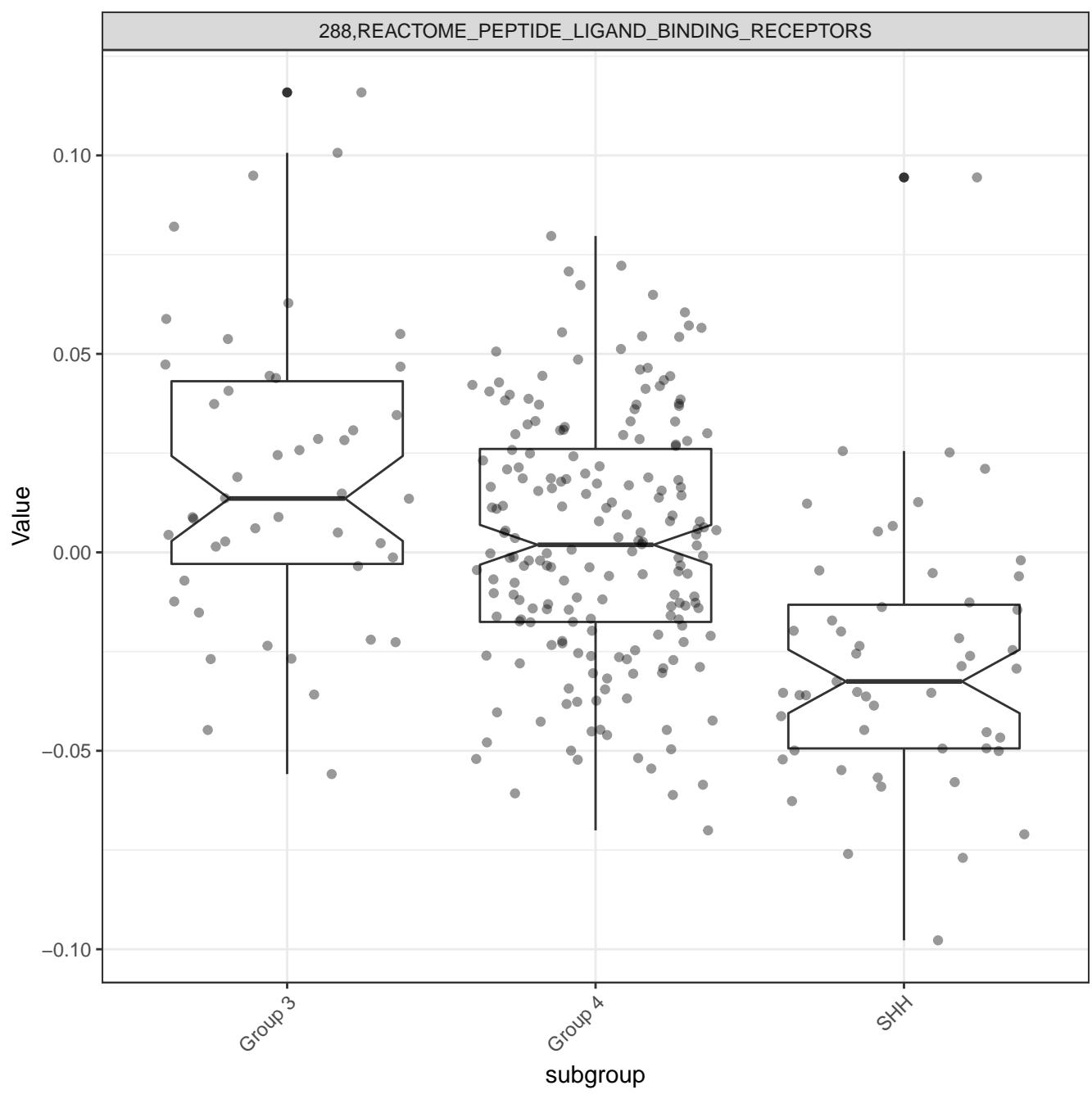


LV 286





288,REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTEORS



LV 289

Value

0.10

0.05

0.00

-0.05

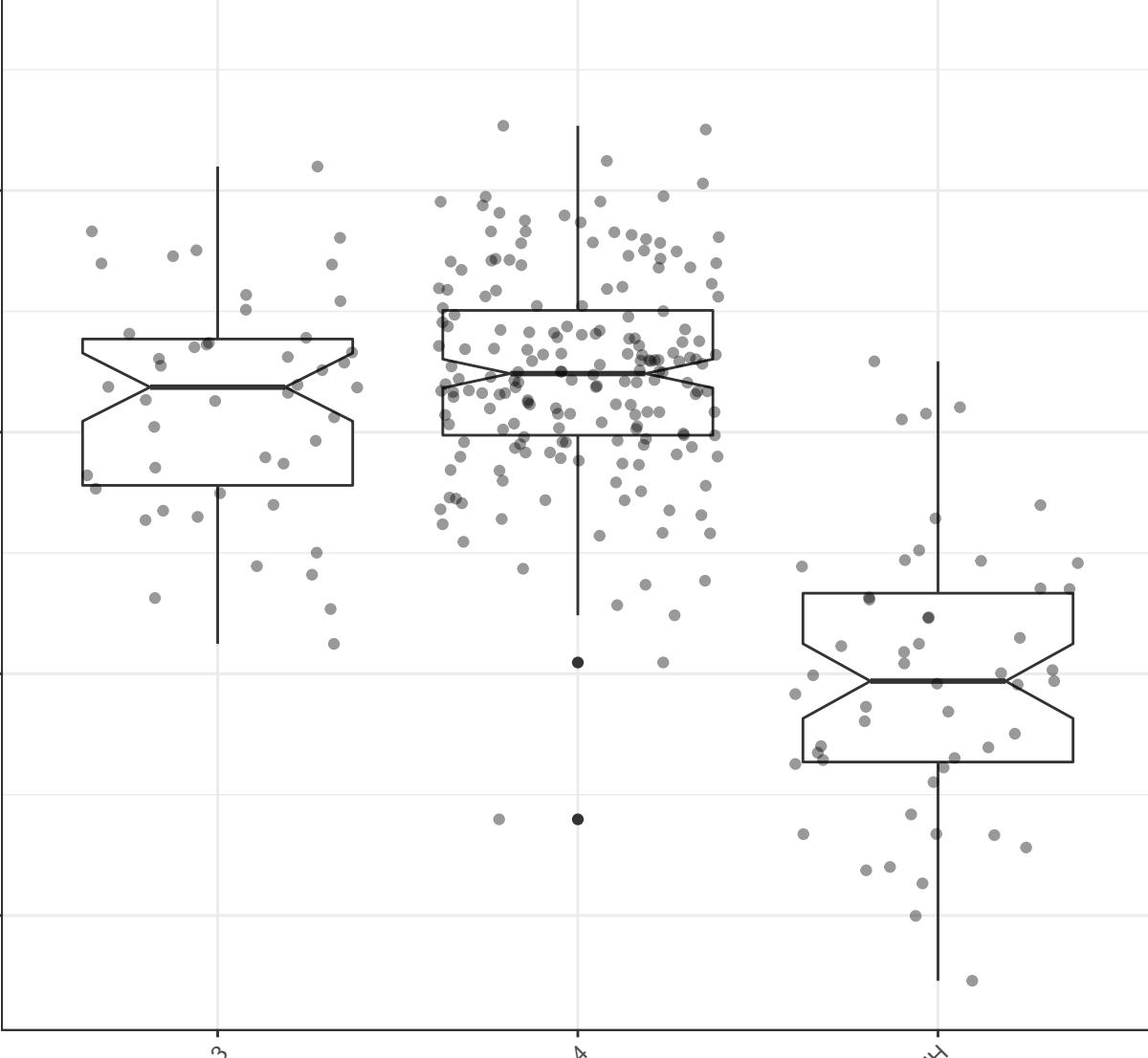
-0.10

Group 3

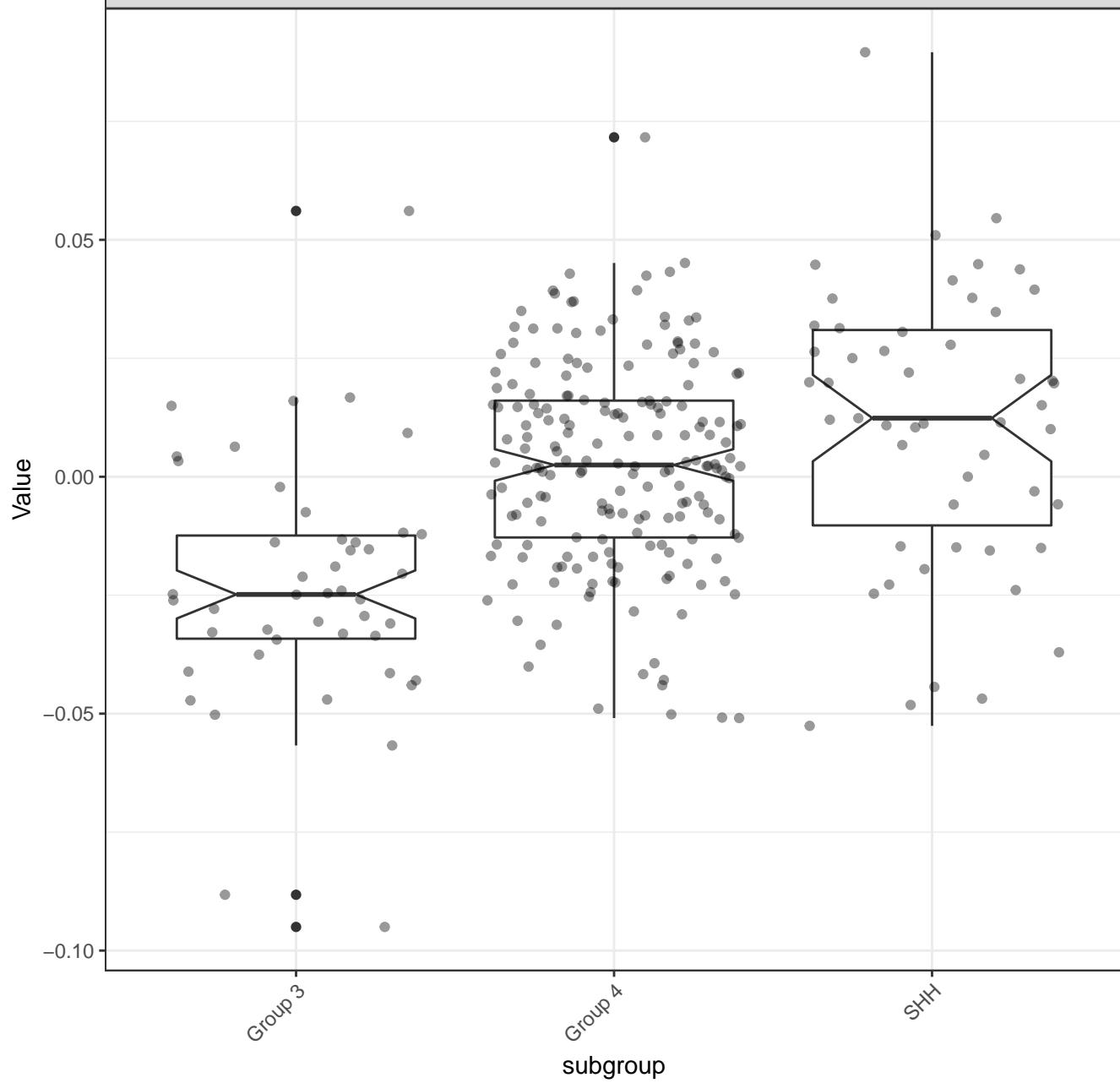
Group 4

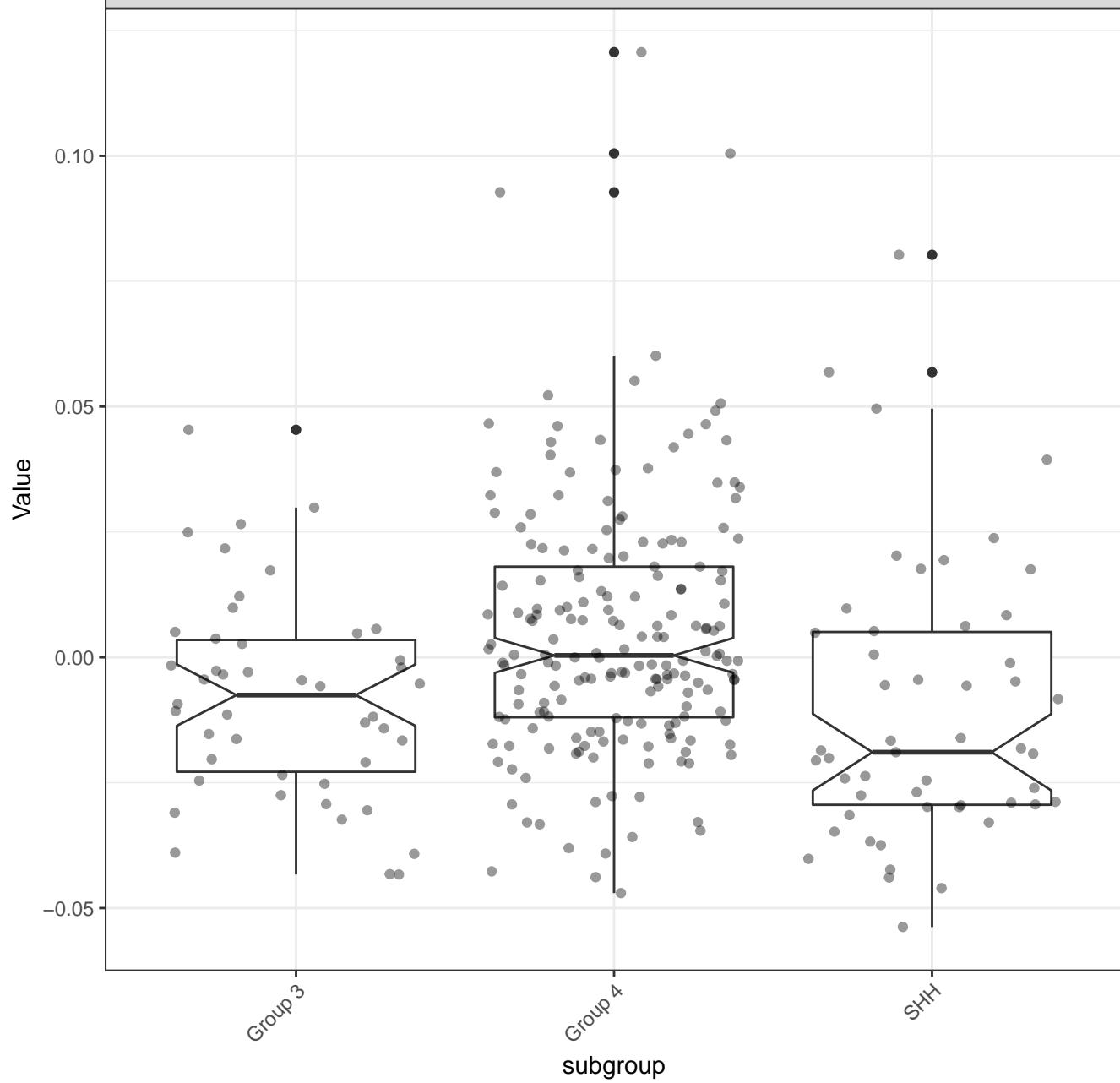
SHH

subgroup

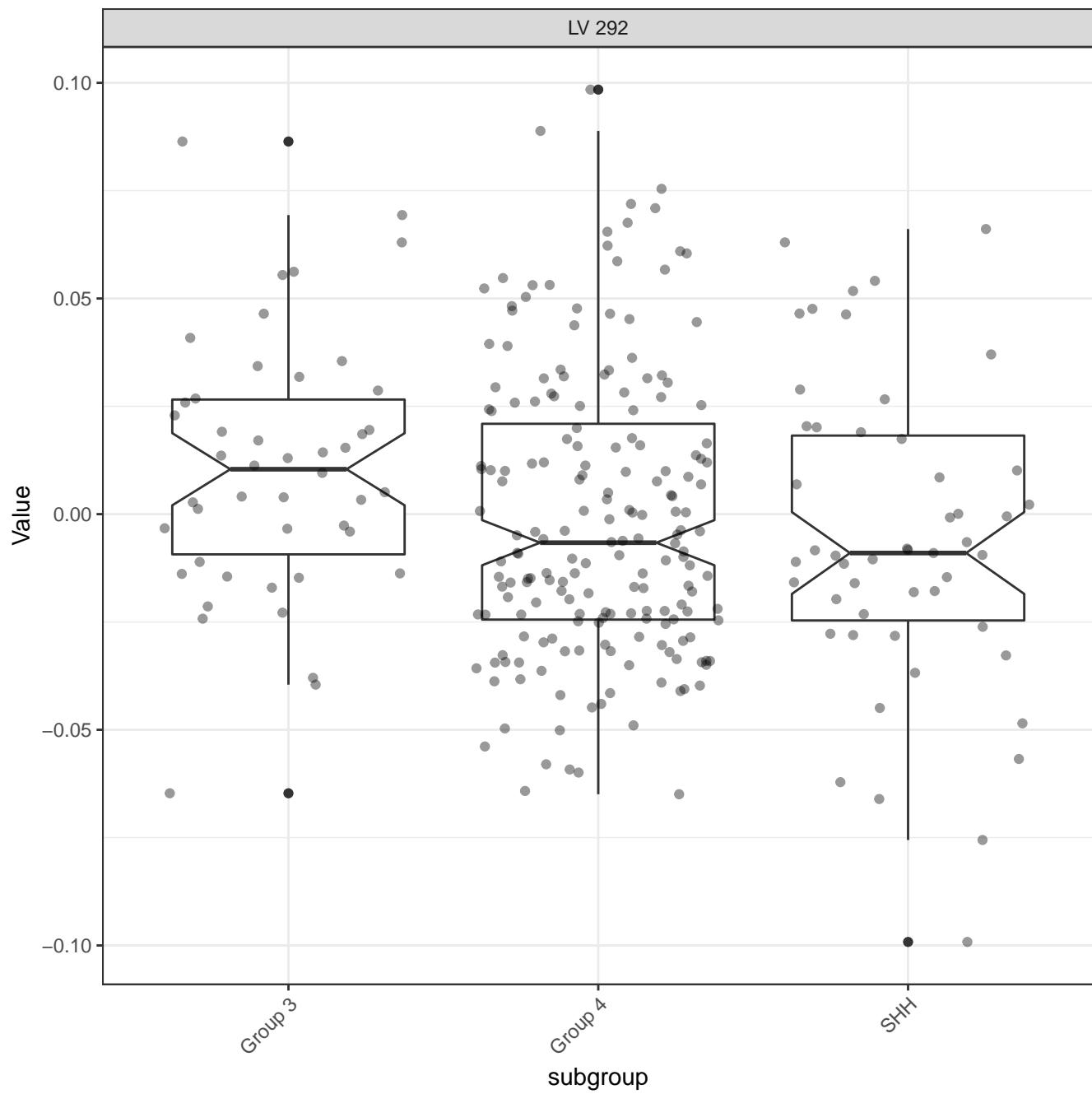


LV 290

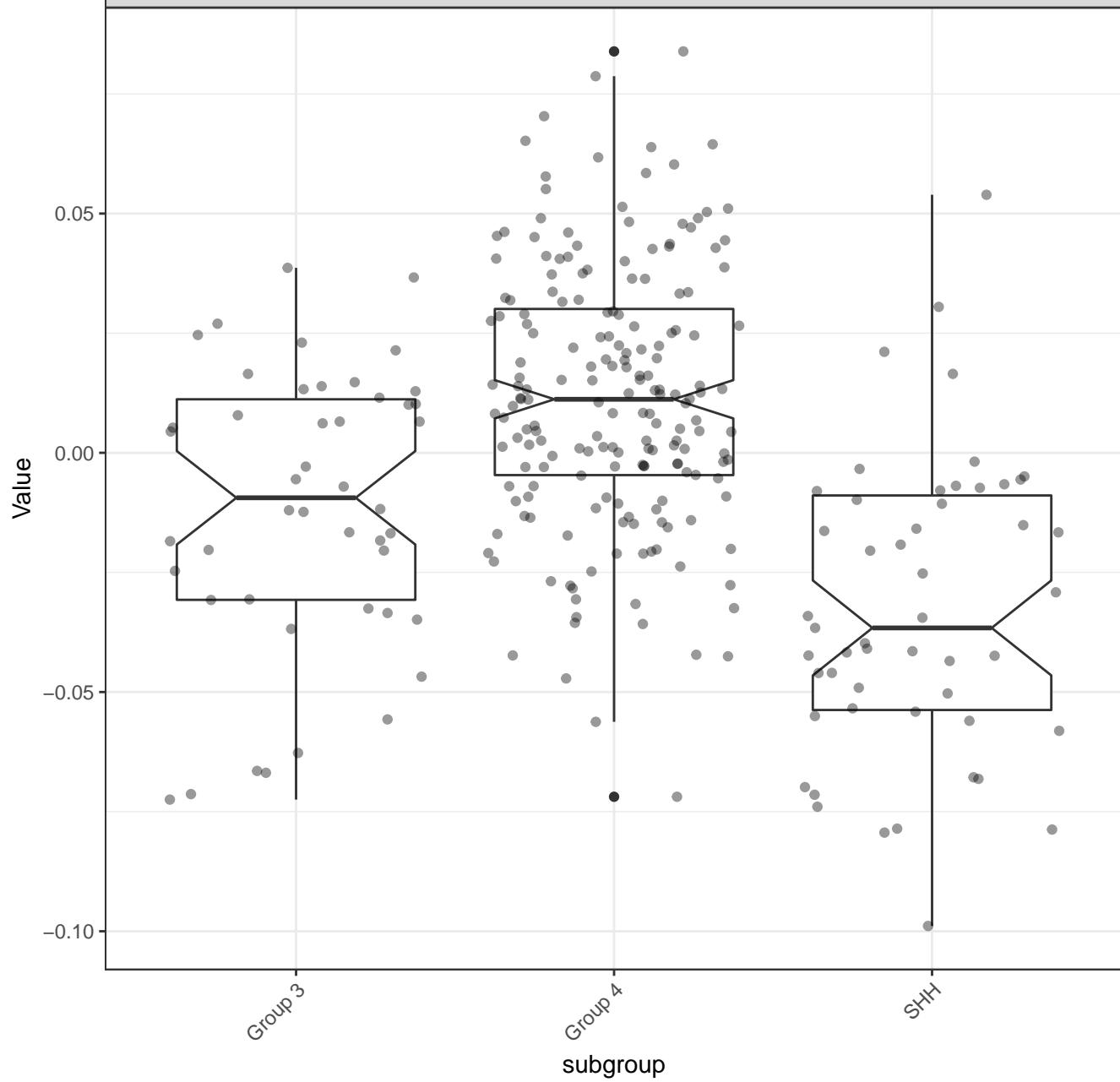




LV 292



LV 293



LV 294

Value

0.05

0.00

-0.05

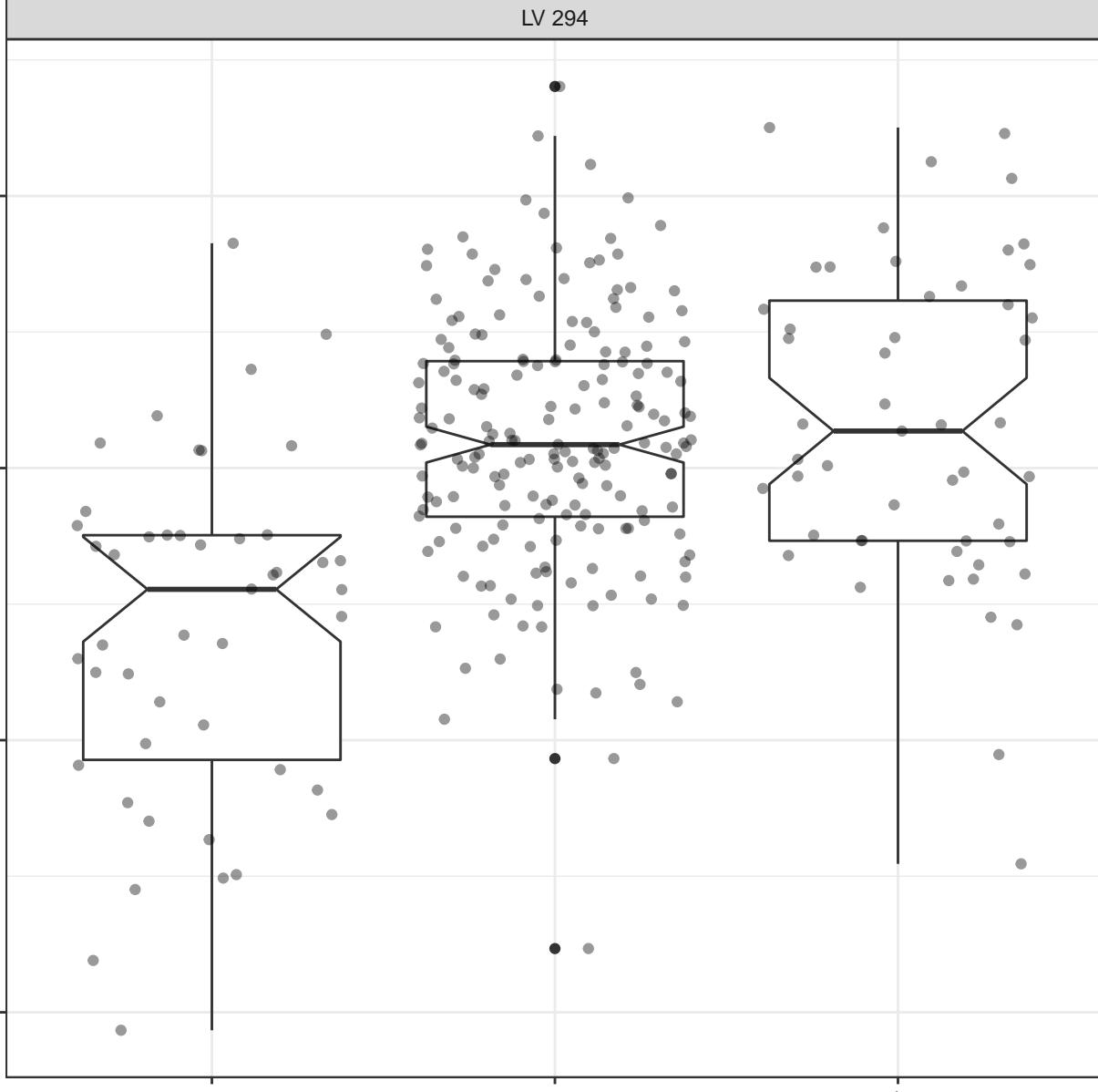
-0.10

Group 3

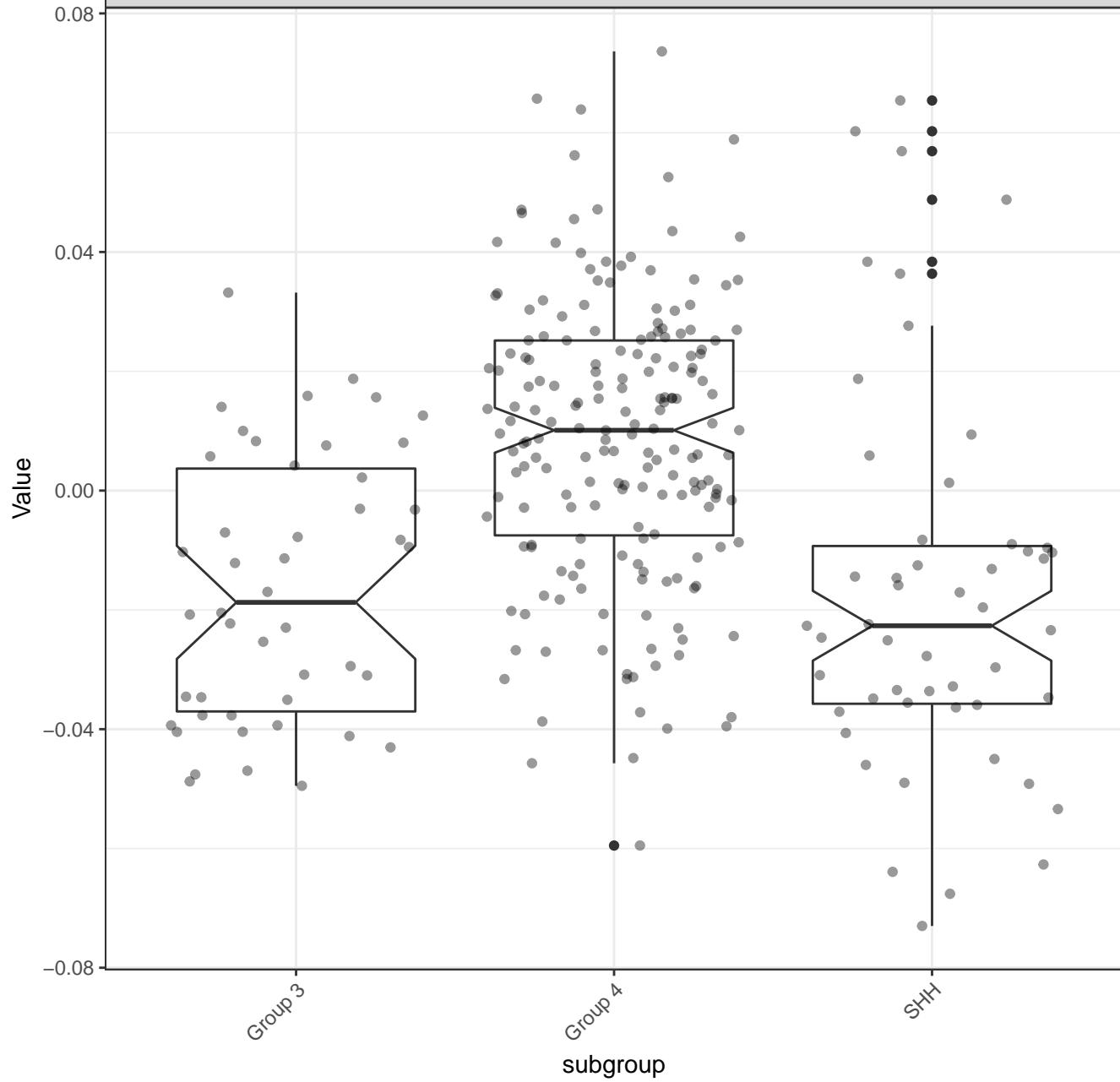
subgroup

Group 4

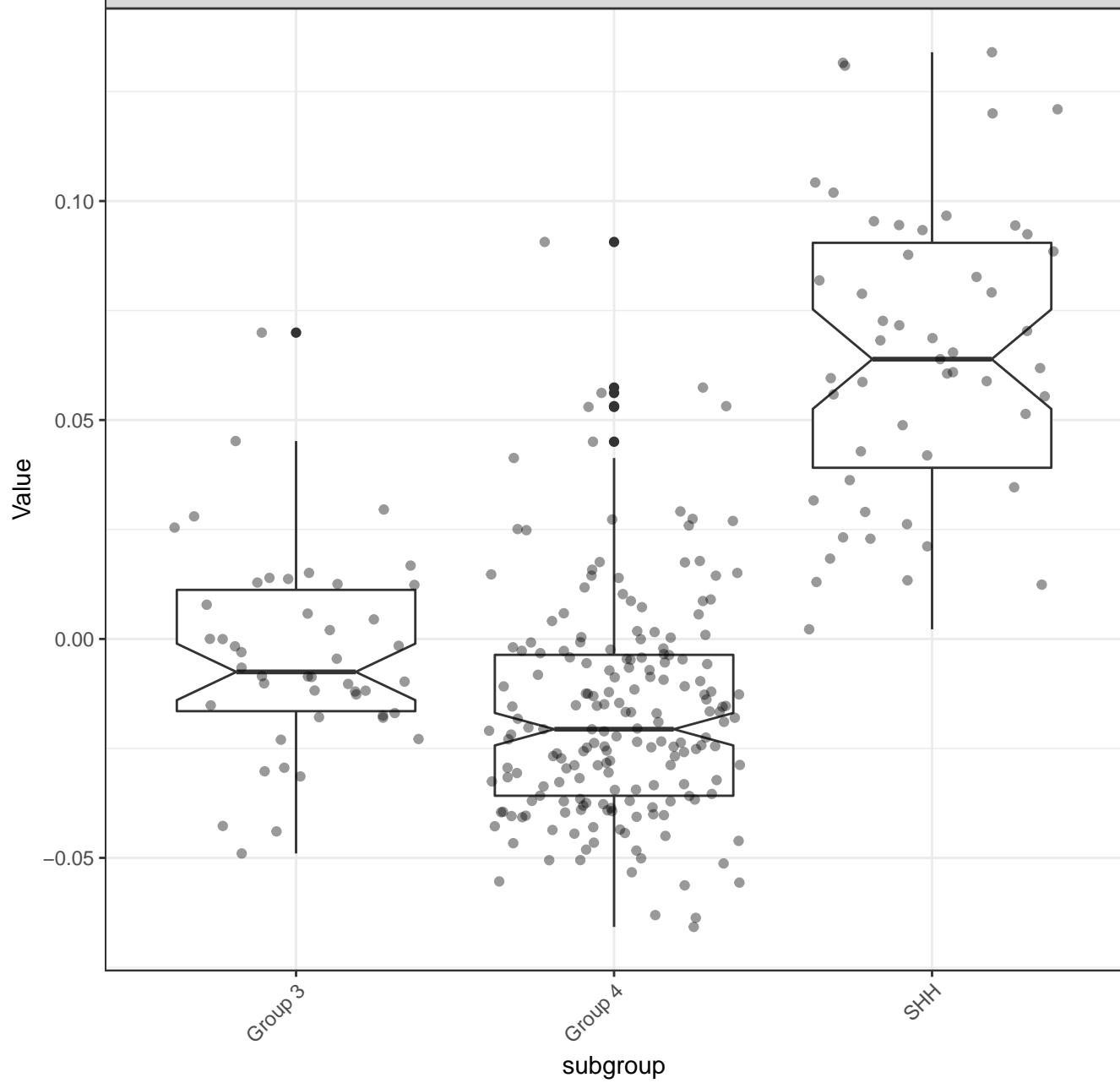
SHH



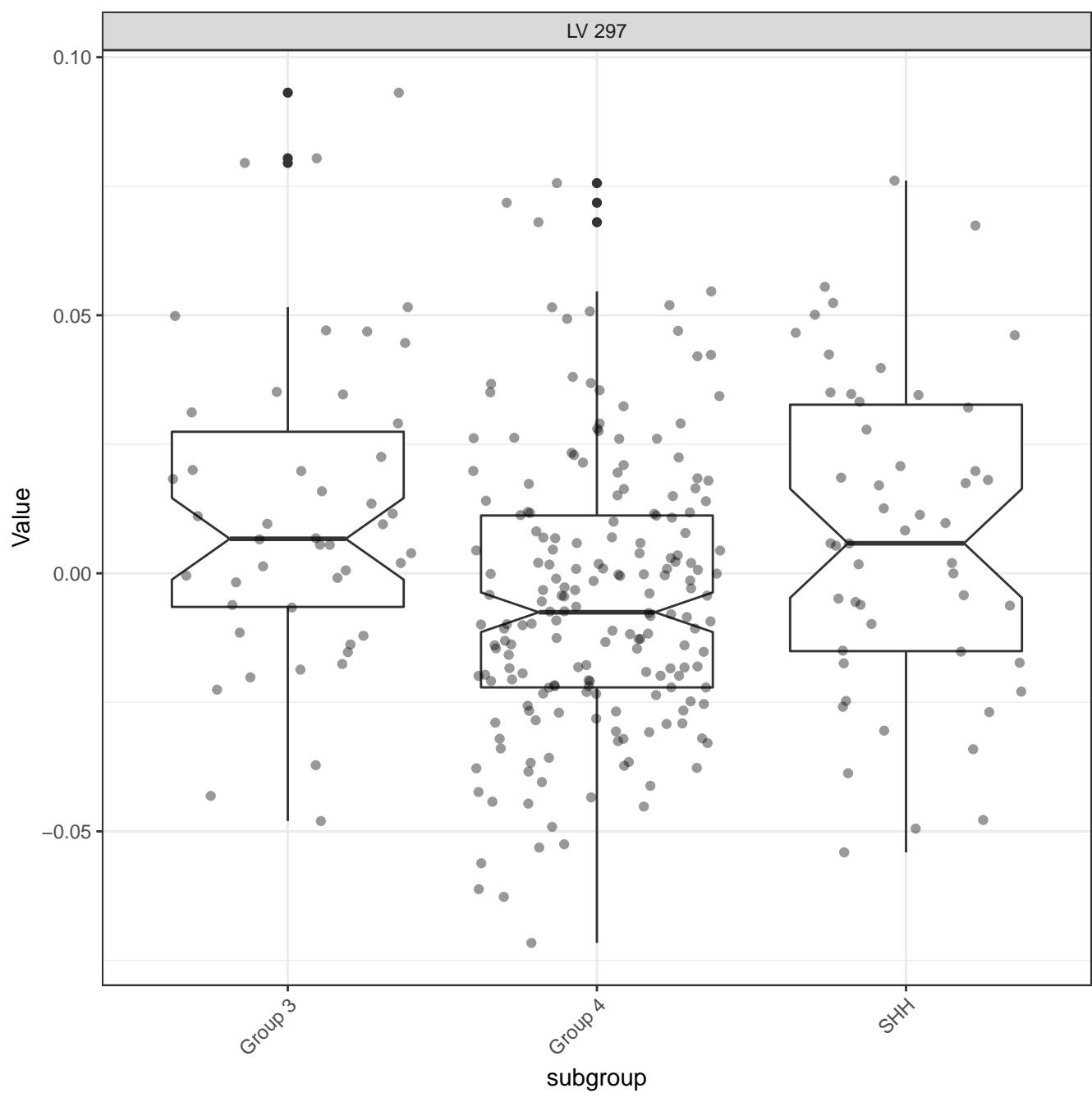
LV 295



296,REACTOME_TELOMERE_MAINTENANCE

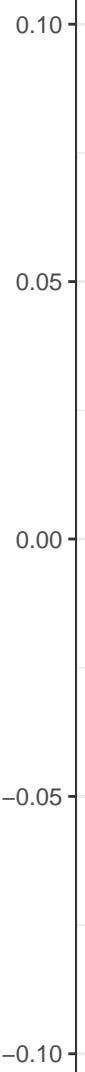


LV 297



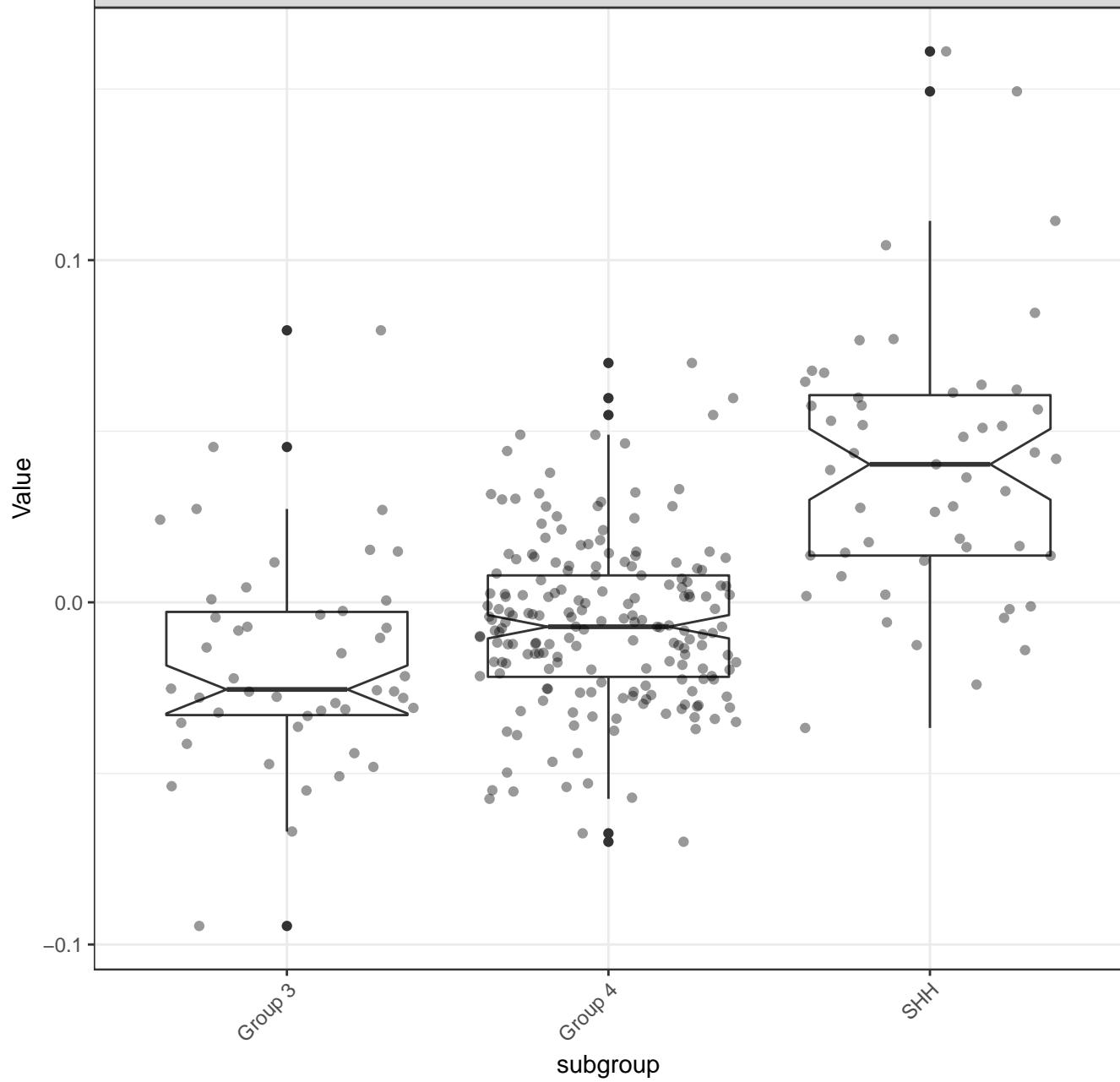
LV 298

Value



subgroup

LV 299



300,REACTOME_REGULATION_OF_APOPTOSIS

Value

0.05

0.00

-0.05

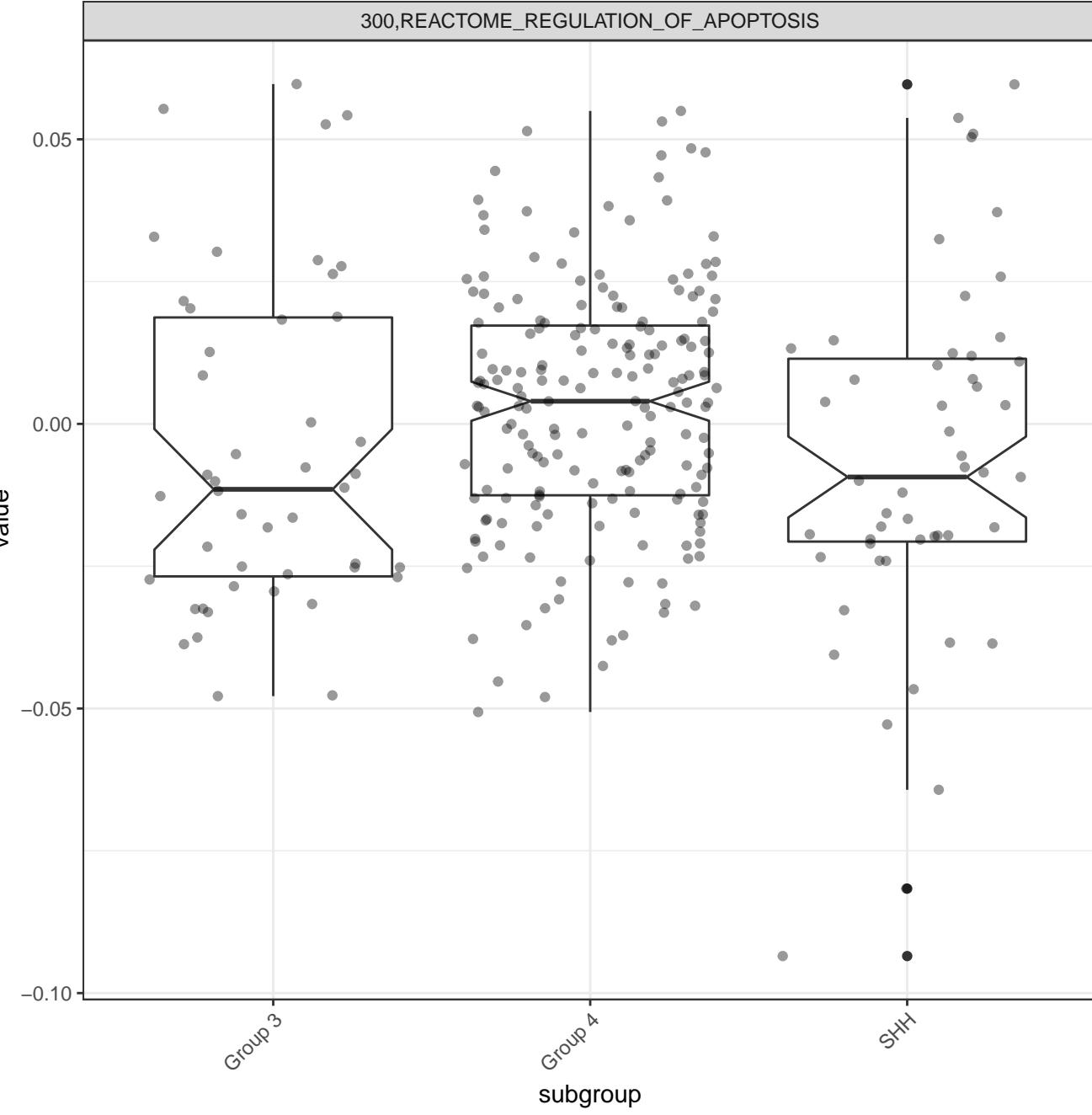
-0.10

Group 3

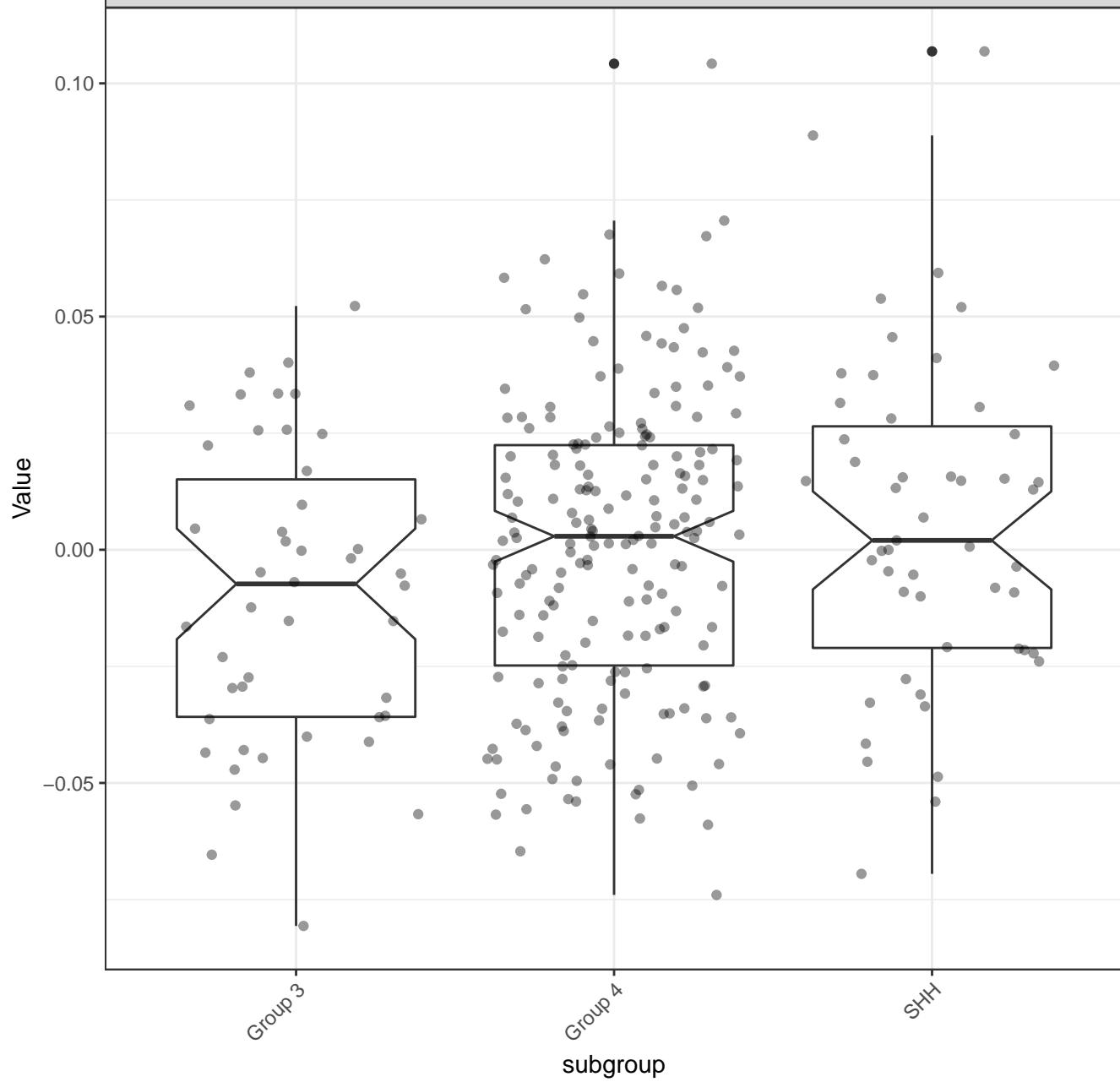
subgroup

Group 4

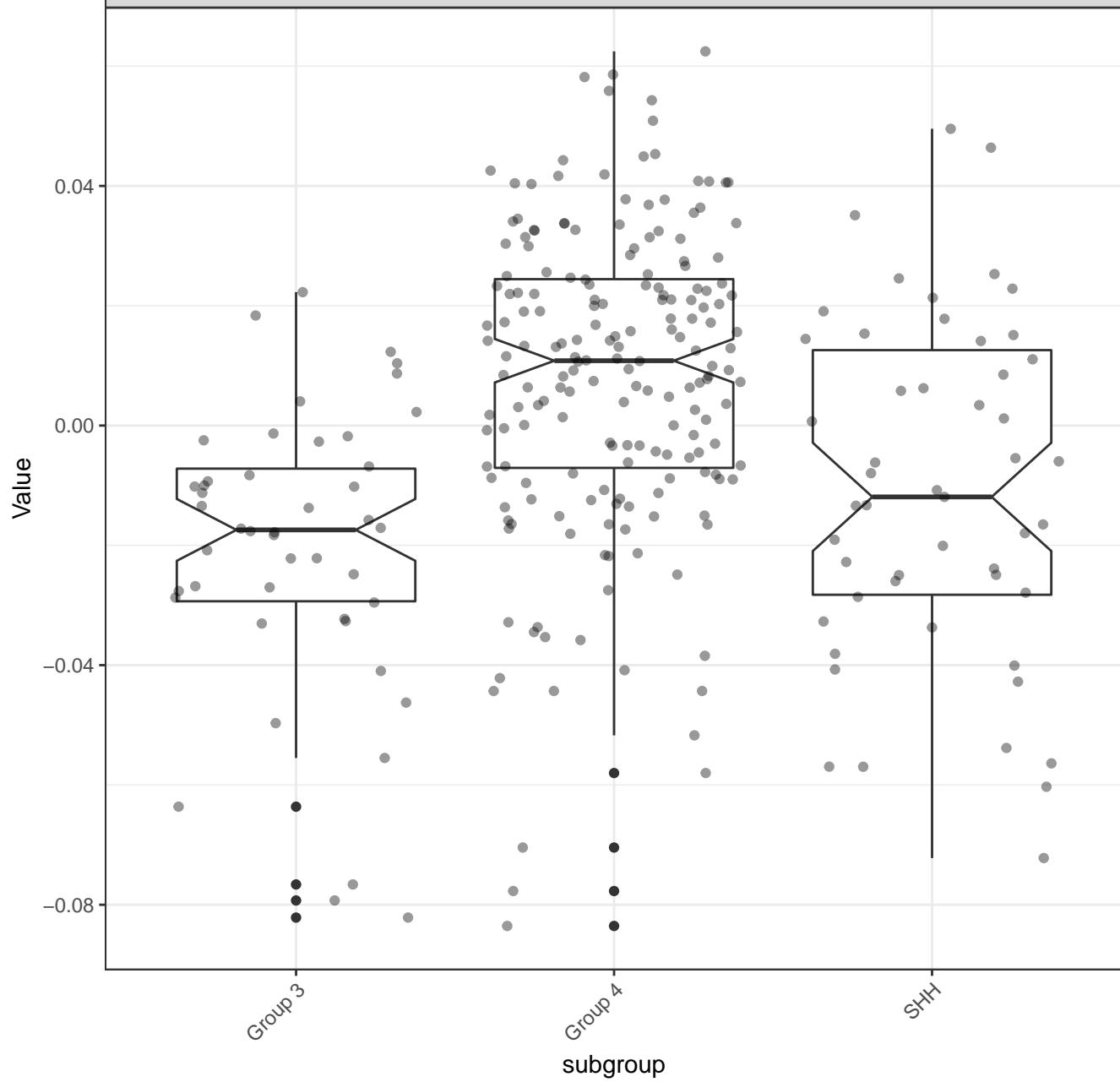
SHH



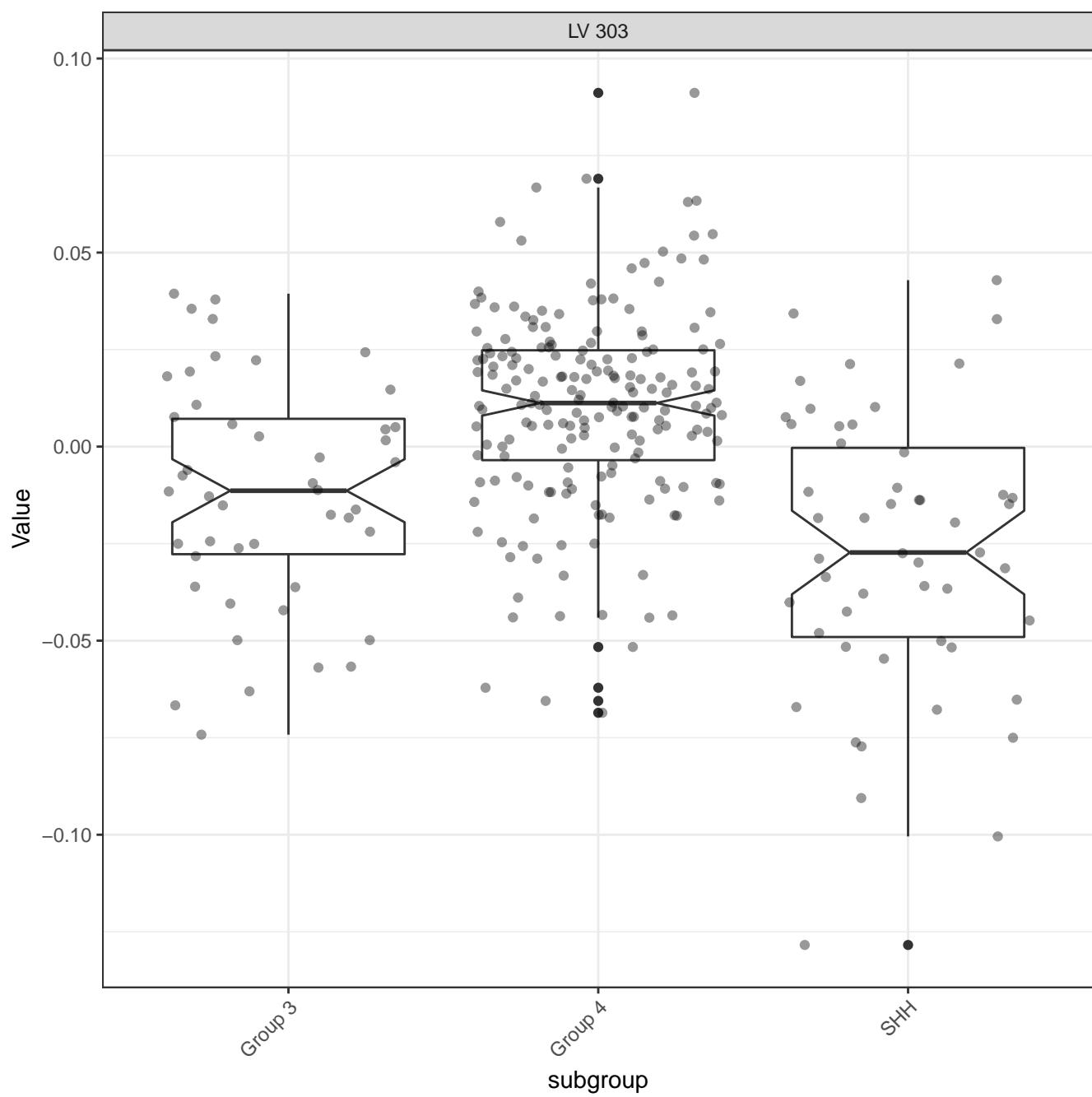
LV 301



LV 302



LV 303



LV 304

Value

0.05

0.00

-0.05

-0.10

Group 3

subgroup

SHH



LV 305

Value

0.05

0.00

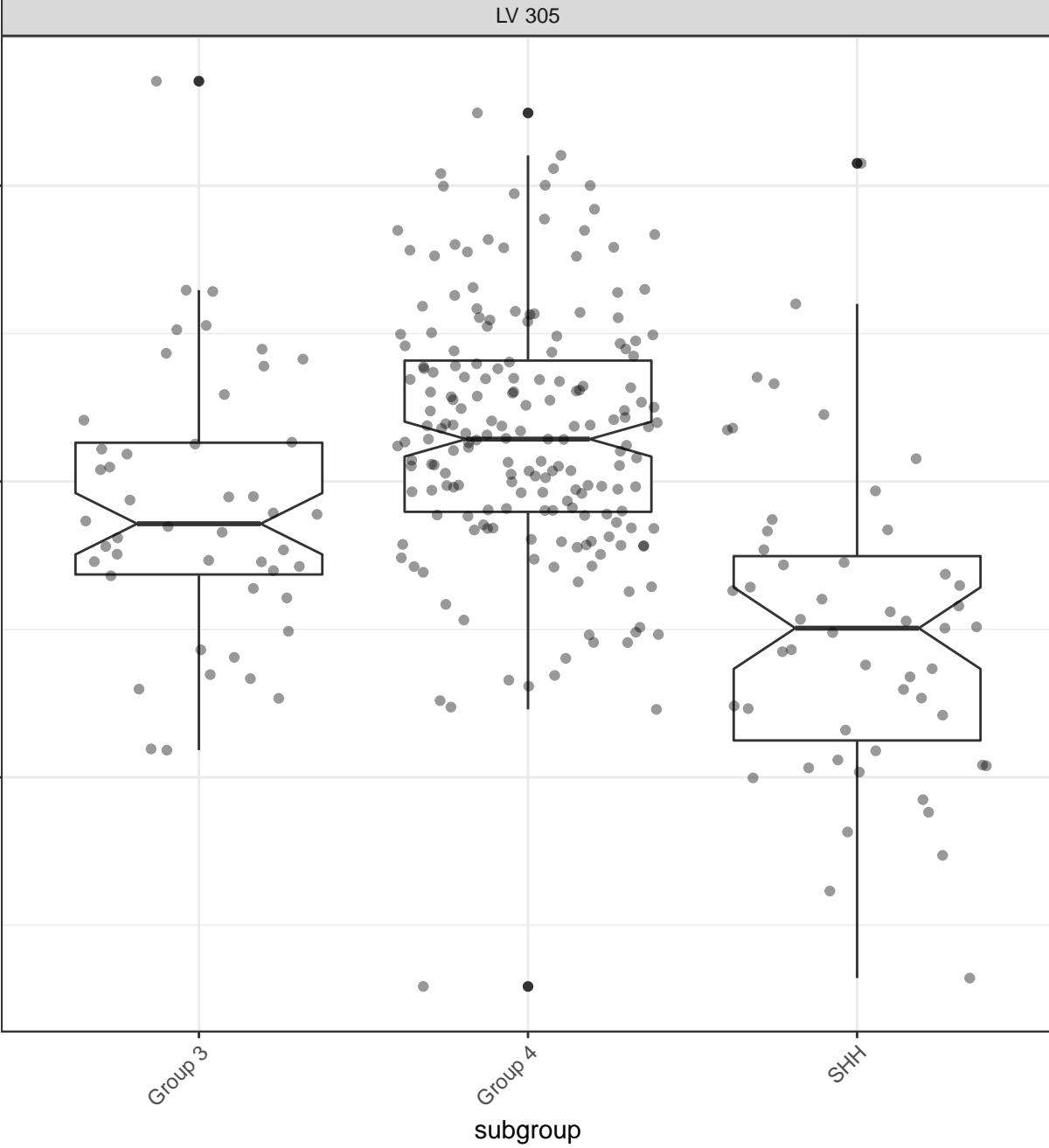
-0.05

Group 3

Group 4

SHH

subgroup



LV 306

Value

0.1

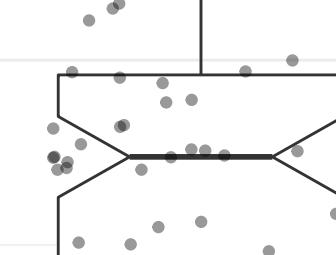
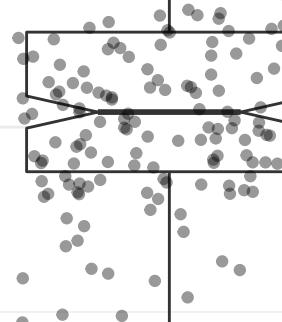
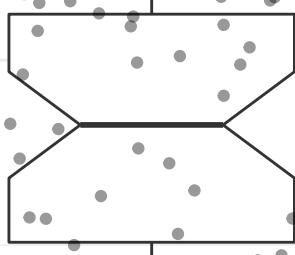
0.0

-0.1

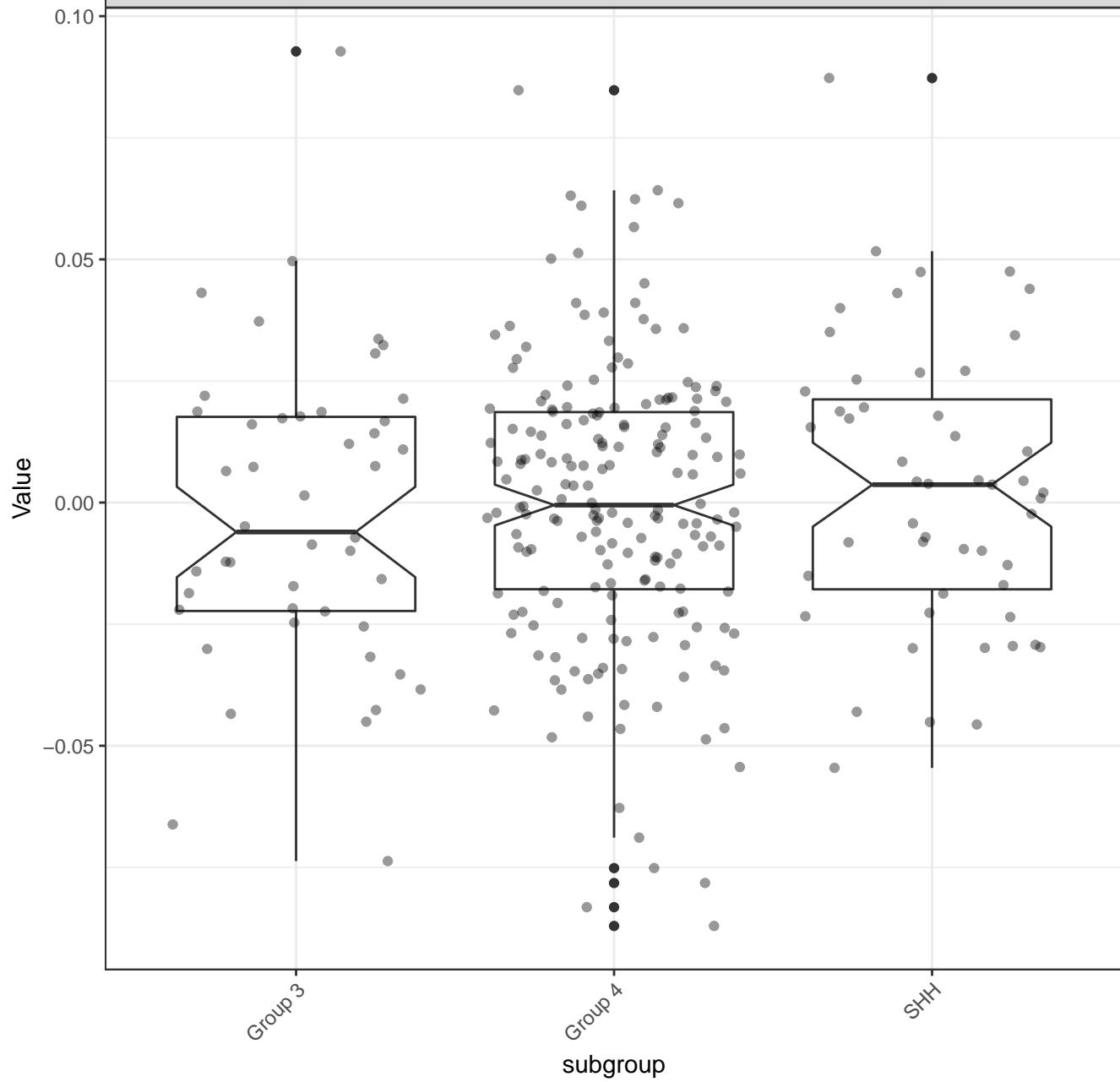
Group³Group⁴

SHH

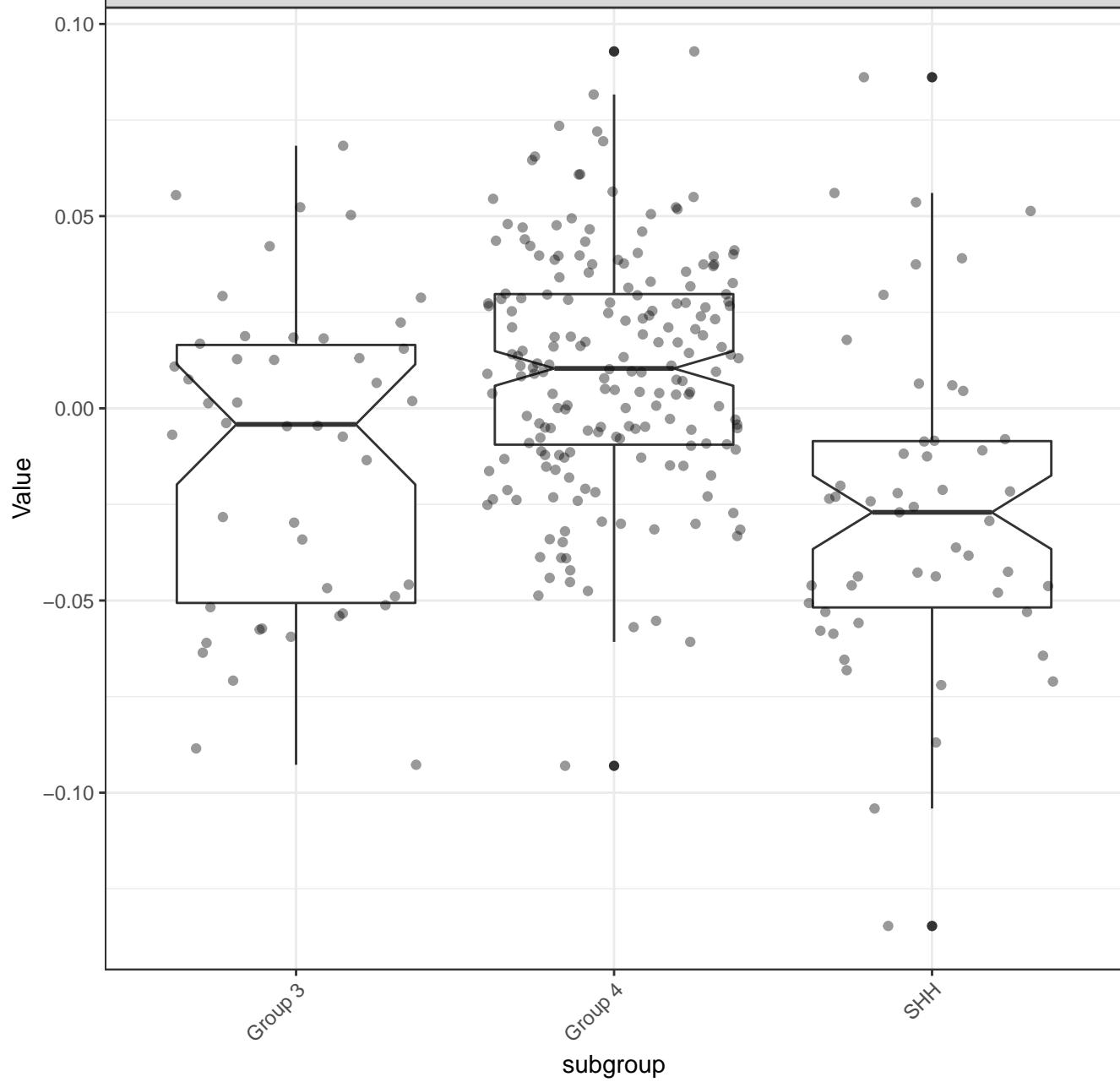
subgroup



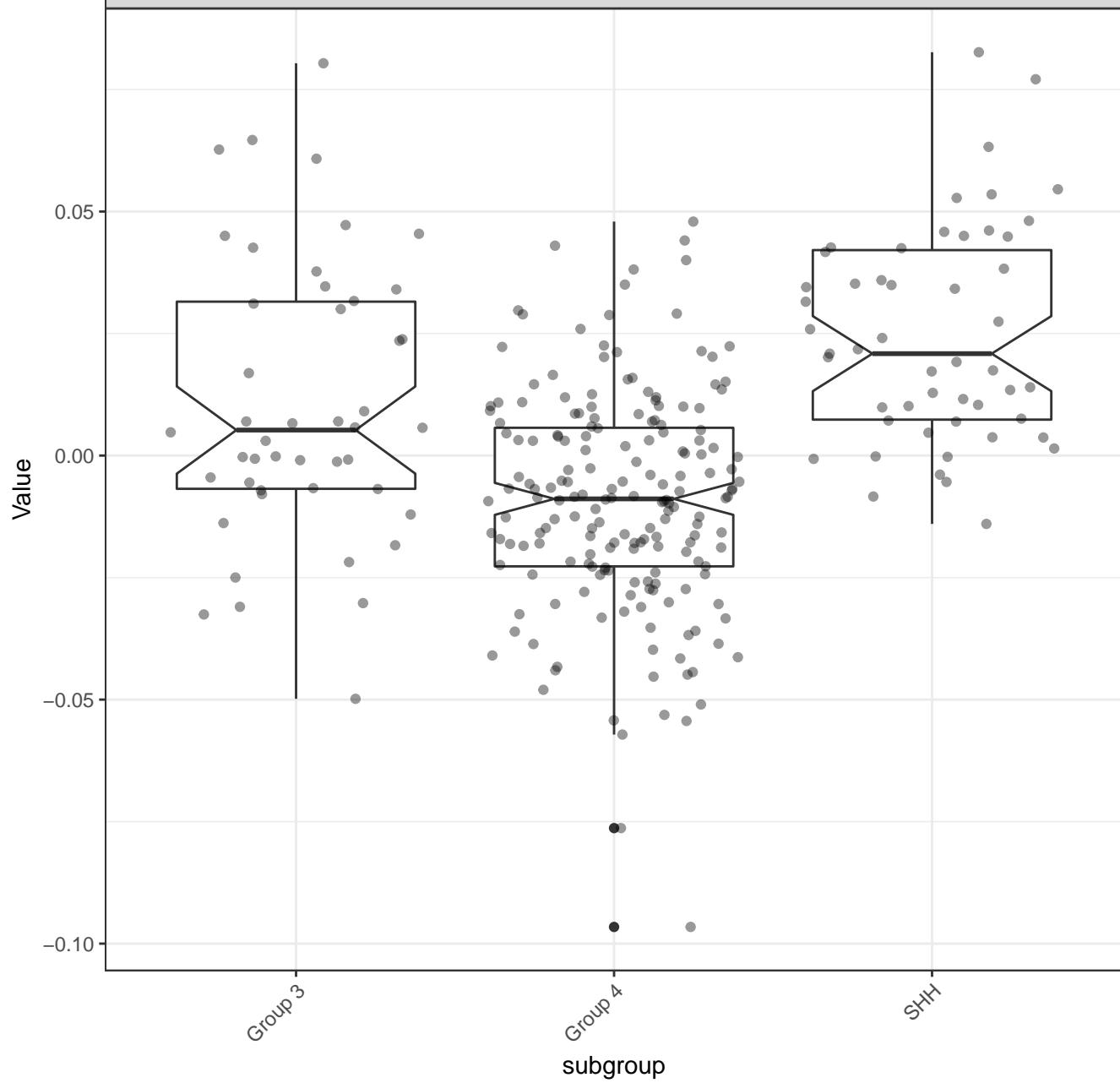
LV 307



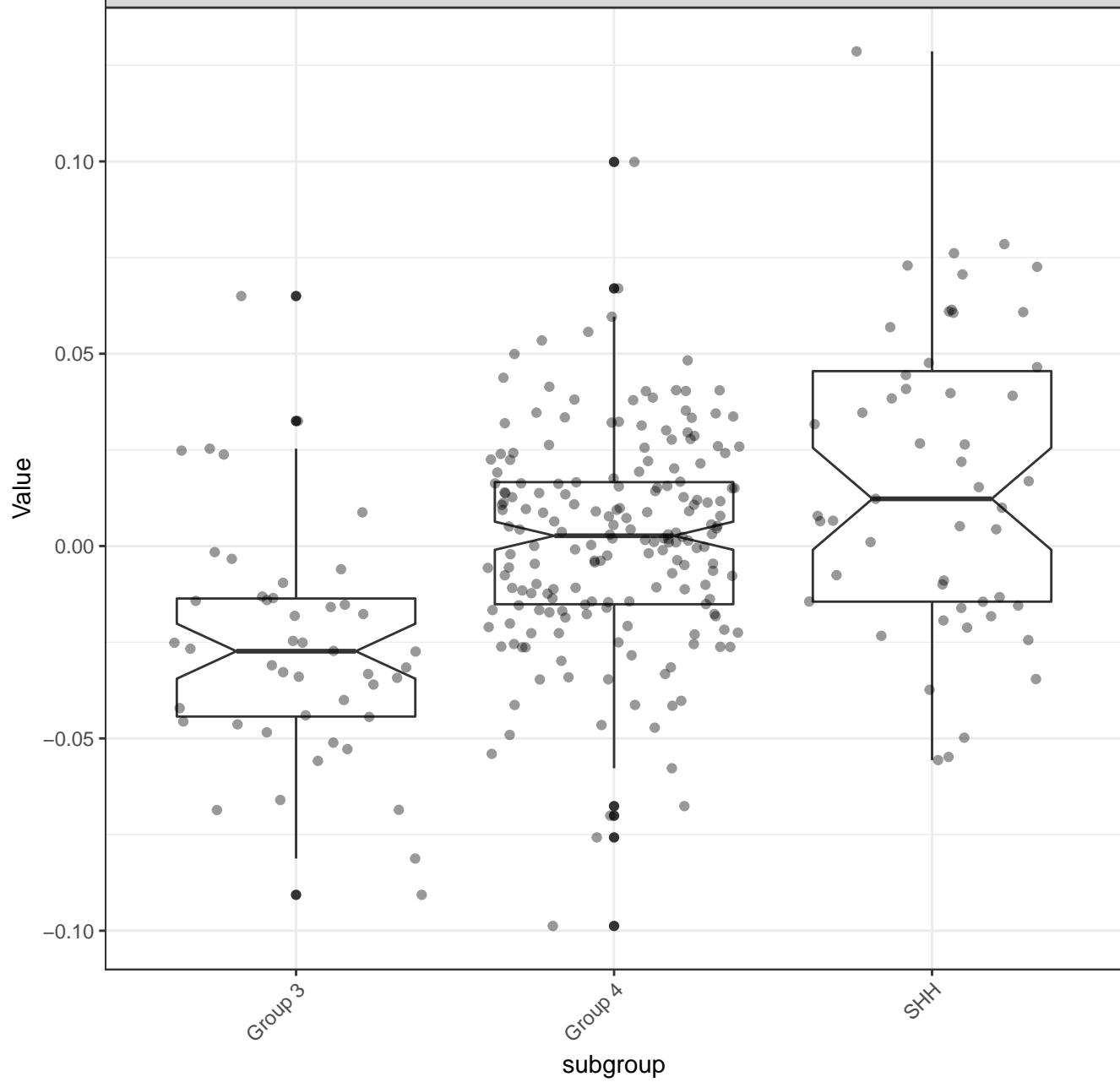
LV 308



LV 309



310,REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_SUBSEQUENTLY_THE_43S_COMPLEX



LV 311

Value

0.10

0.05

0.00

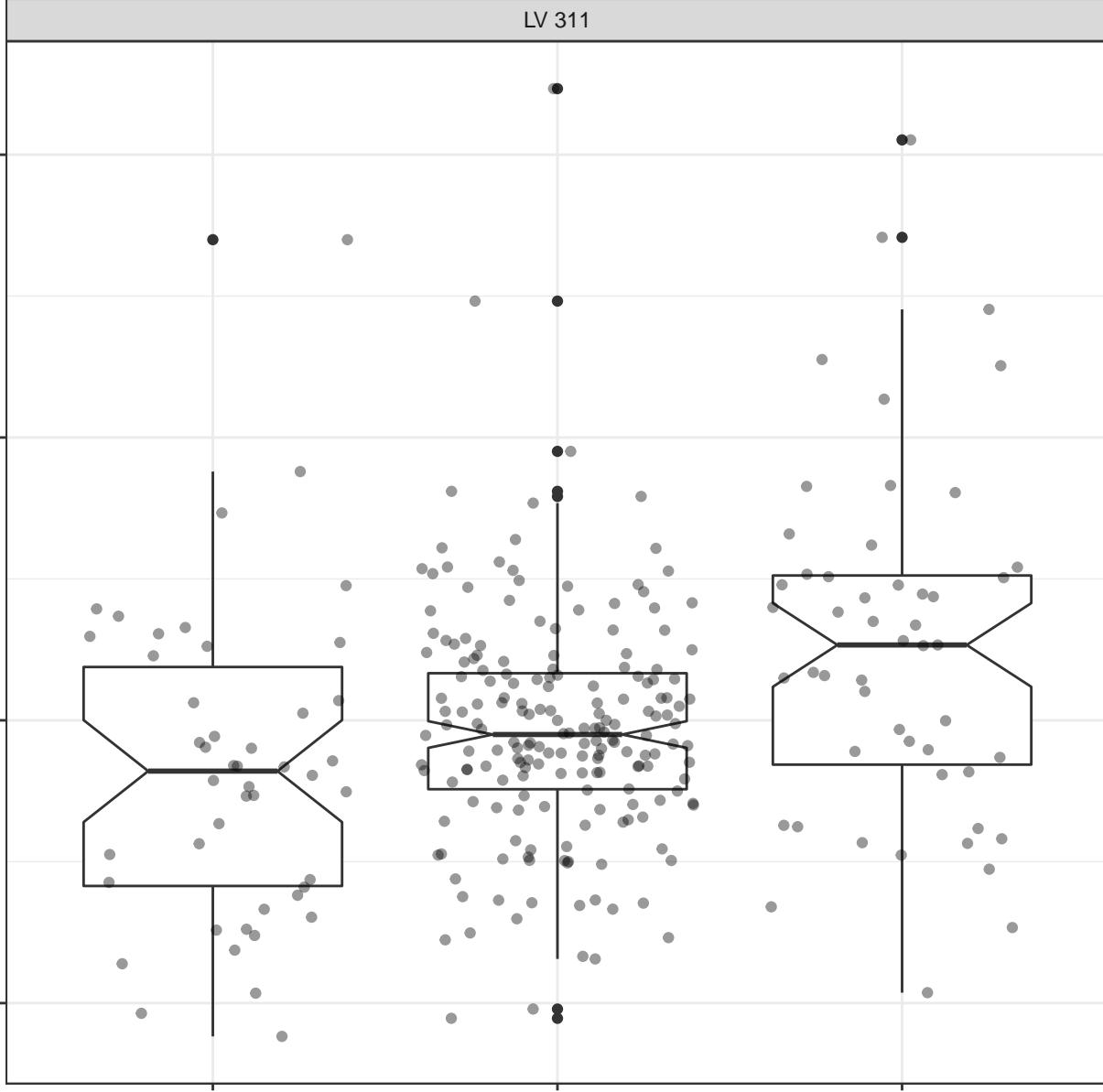
-0.05

Group 3

subgroup

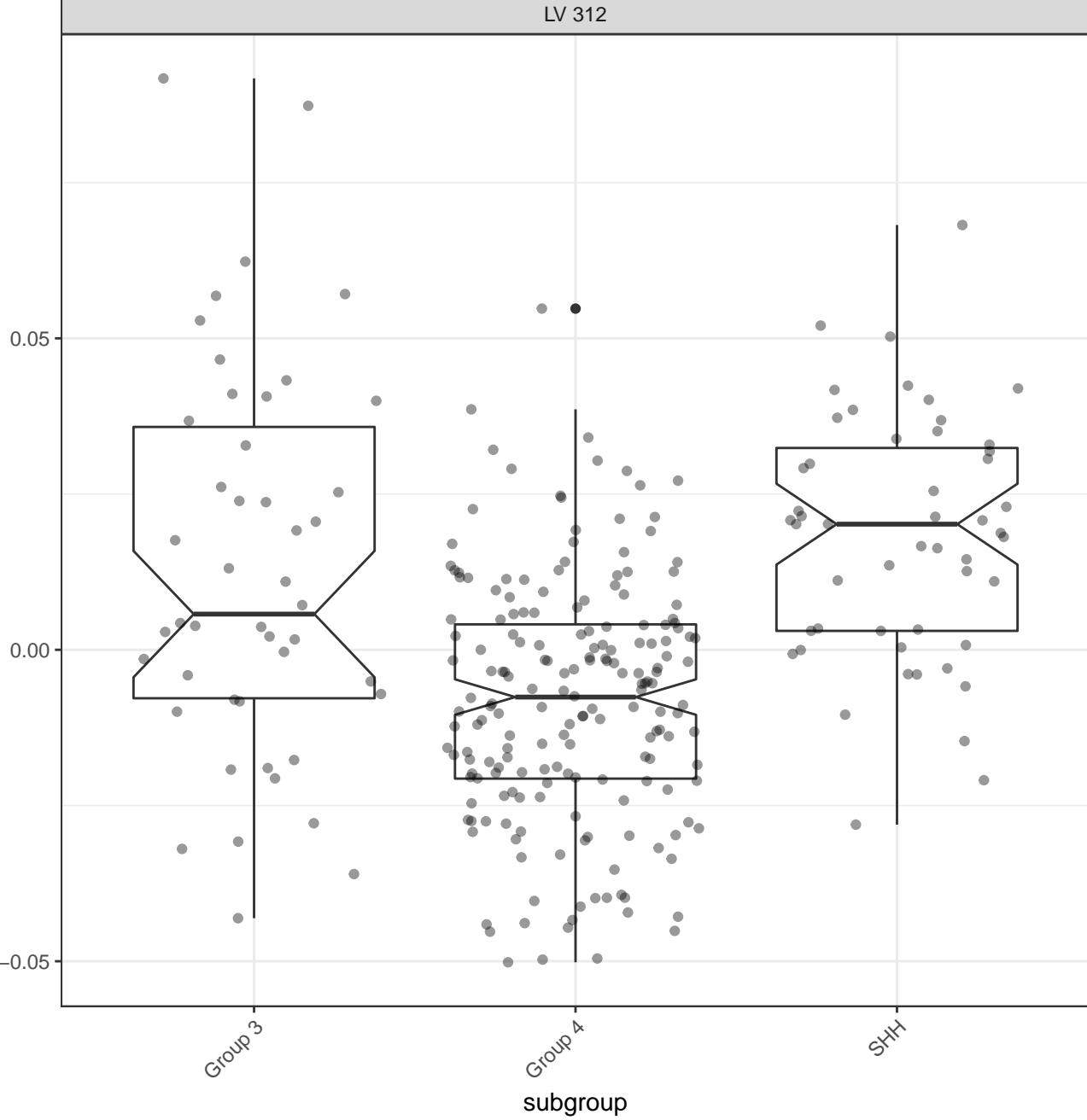
Group 4

SHH

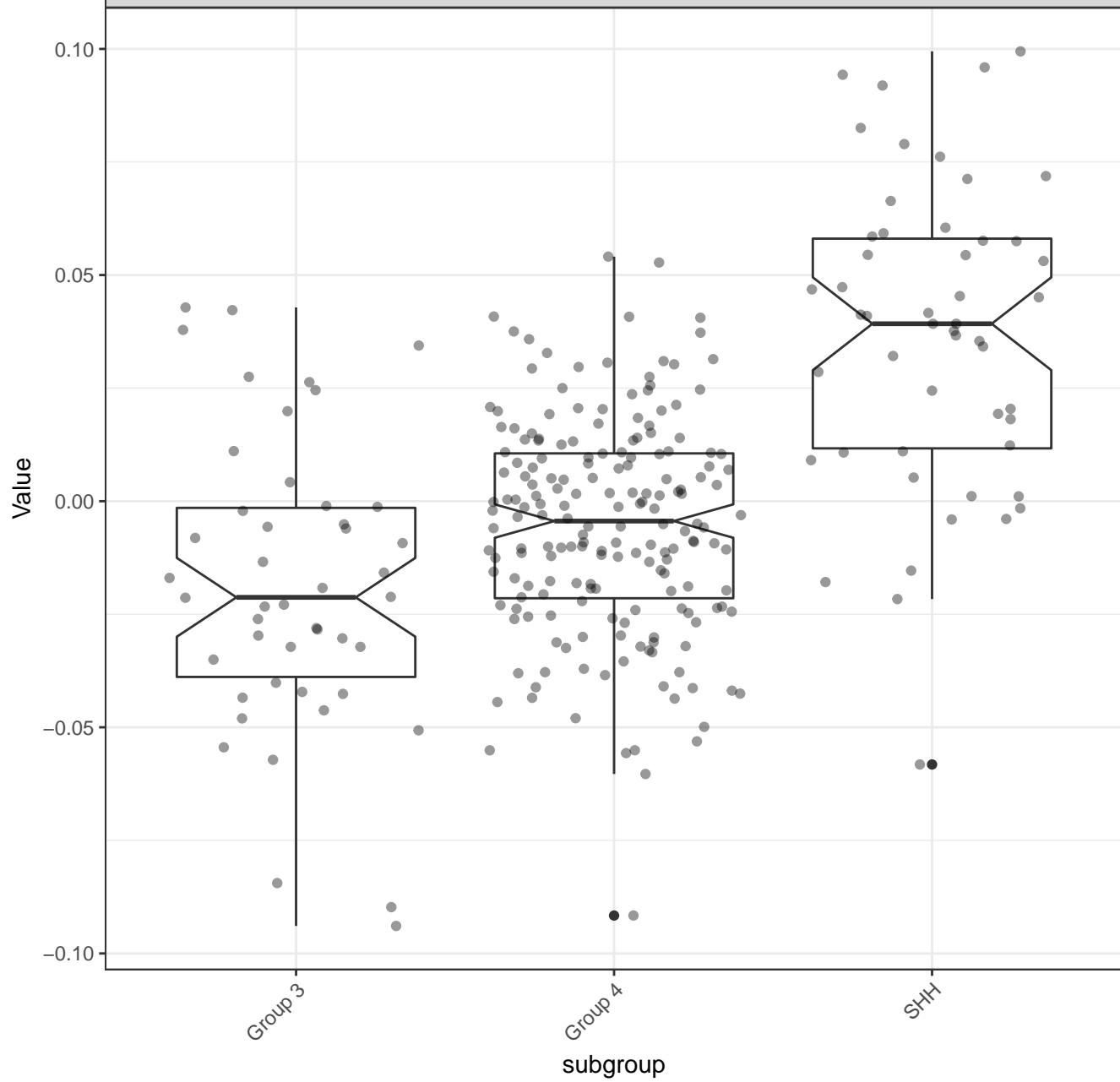


LV 312

Value



LV 313



LV 314

Value

0.10

0.05

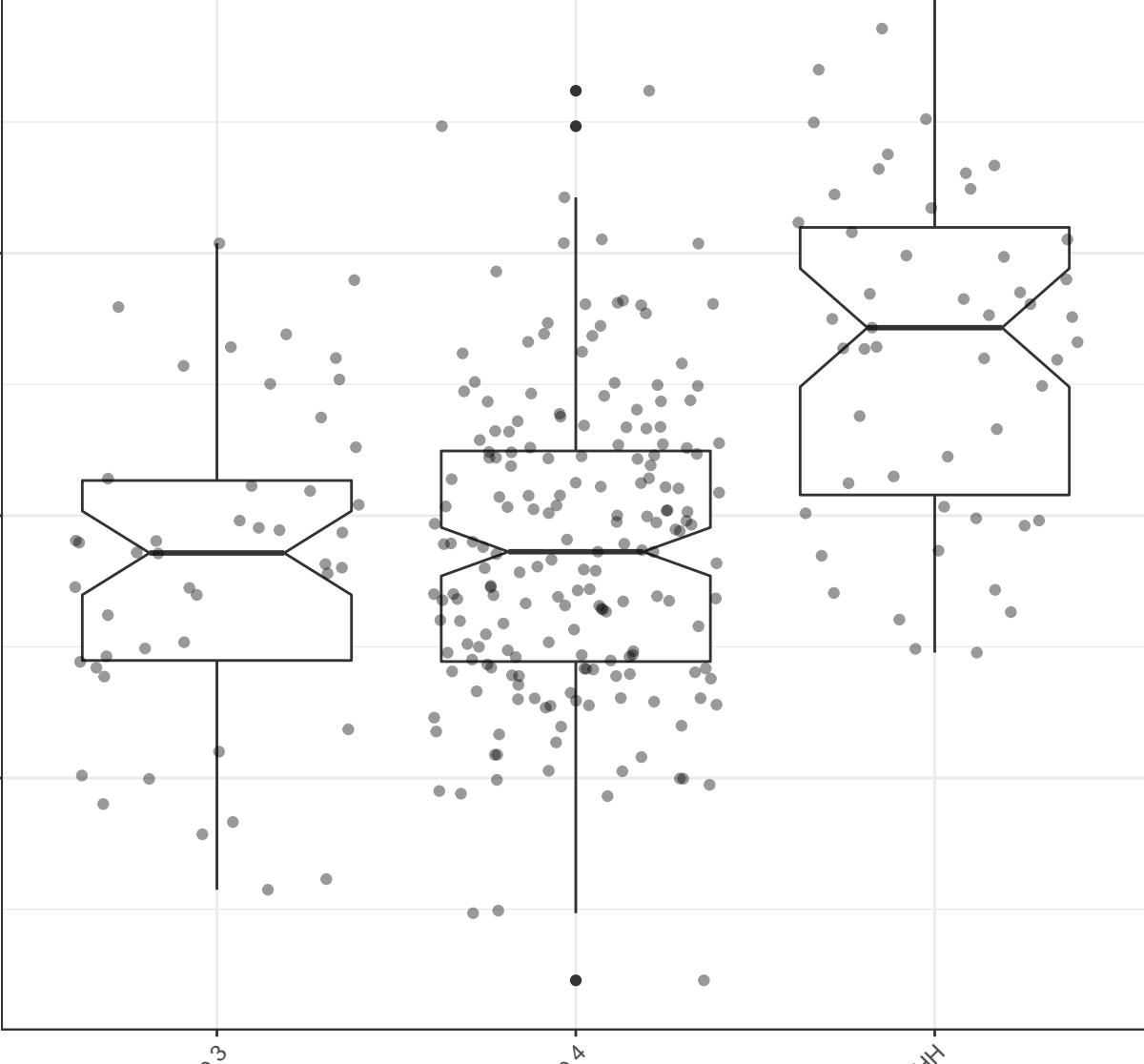
0.00

-0.05

Group 3

subgroup

SHH



LV 315

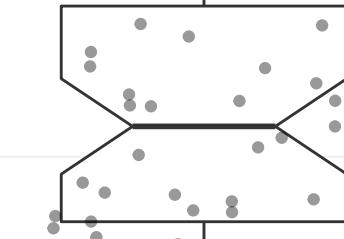
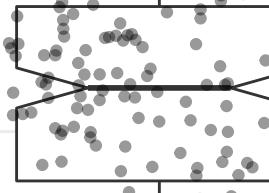
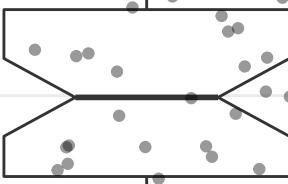
Value

subgroup

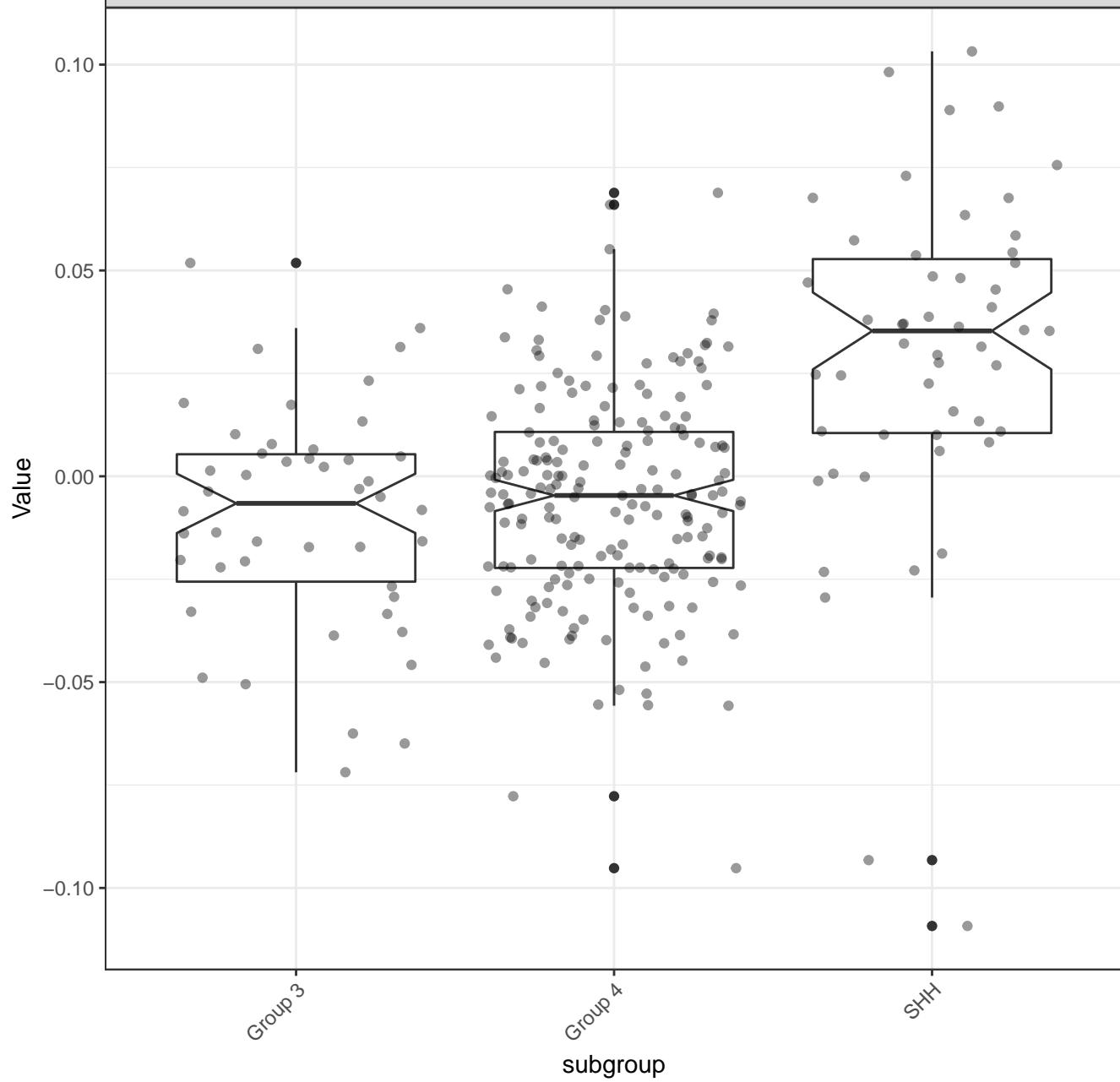
Group 3

Group 4

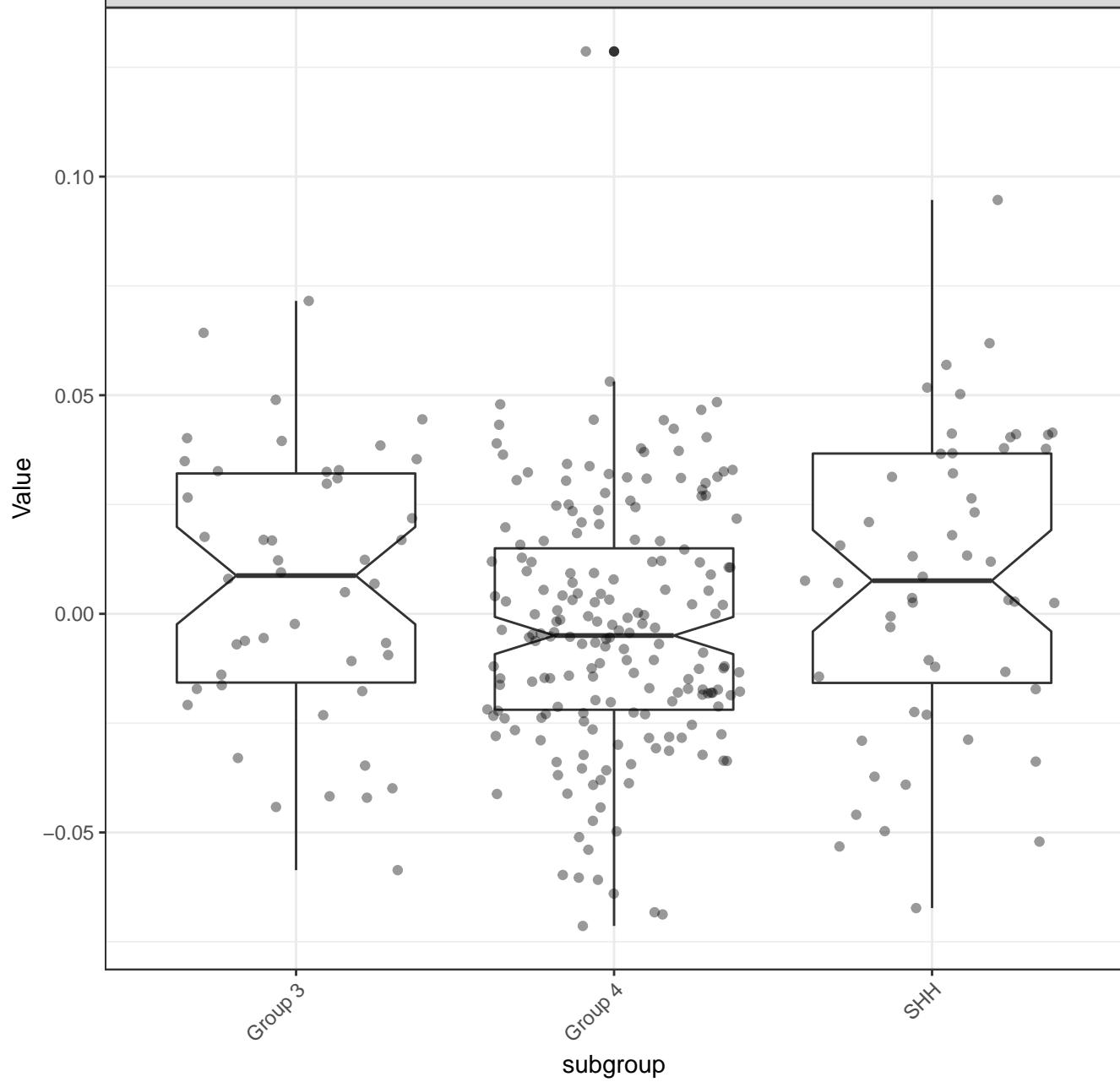
SHH



LV 316



LV 317



LV 318

Value

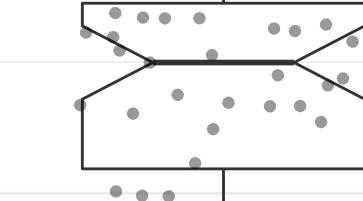
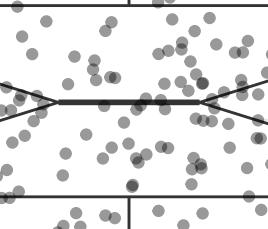
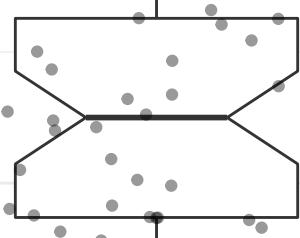
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 319

Value

0.05

0.00

-0.05

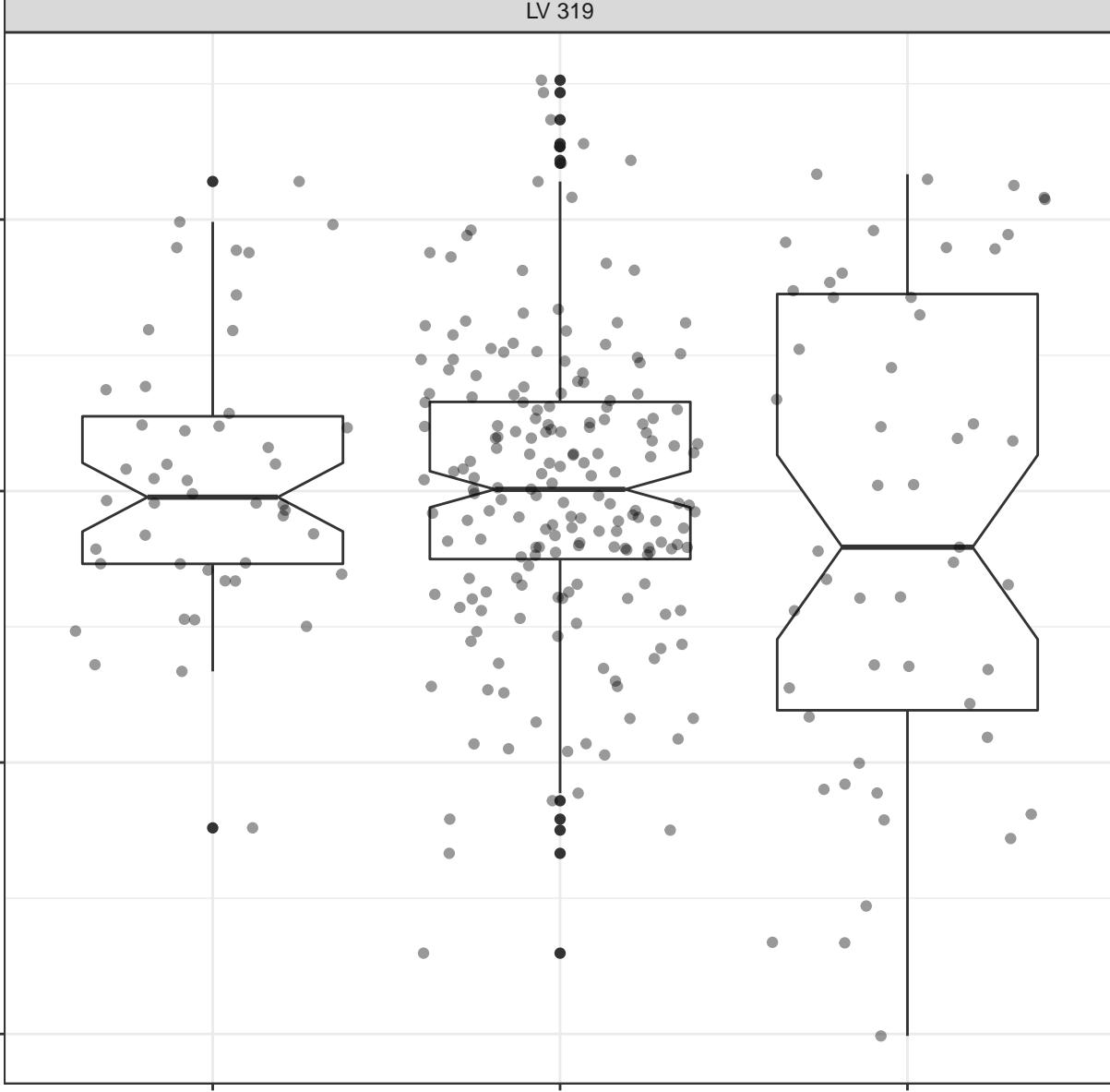
-0.10

Group 3

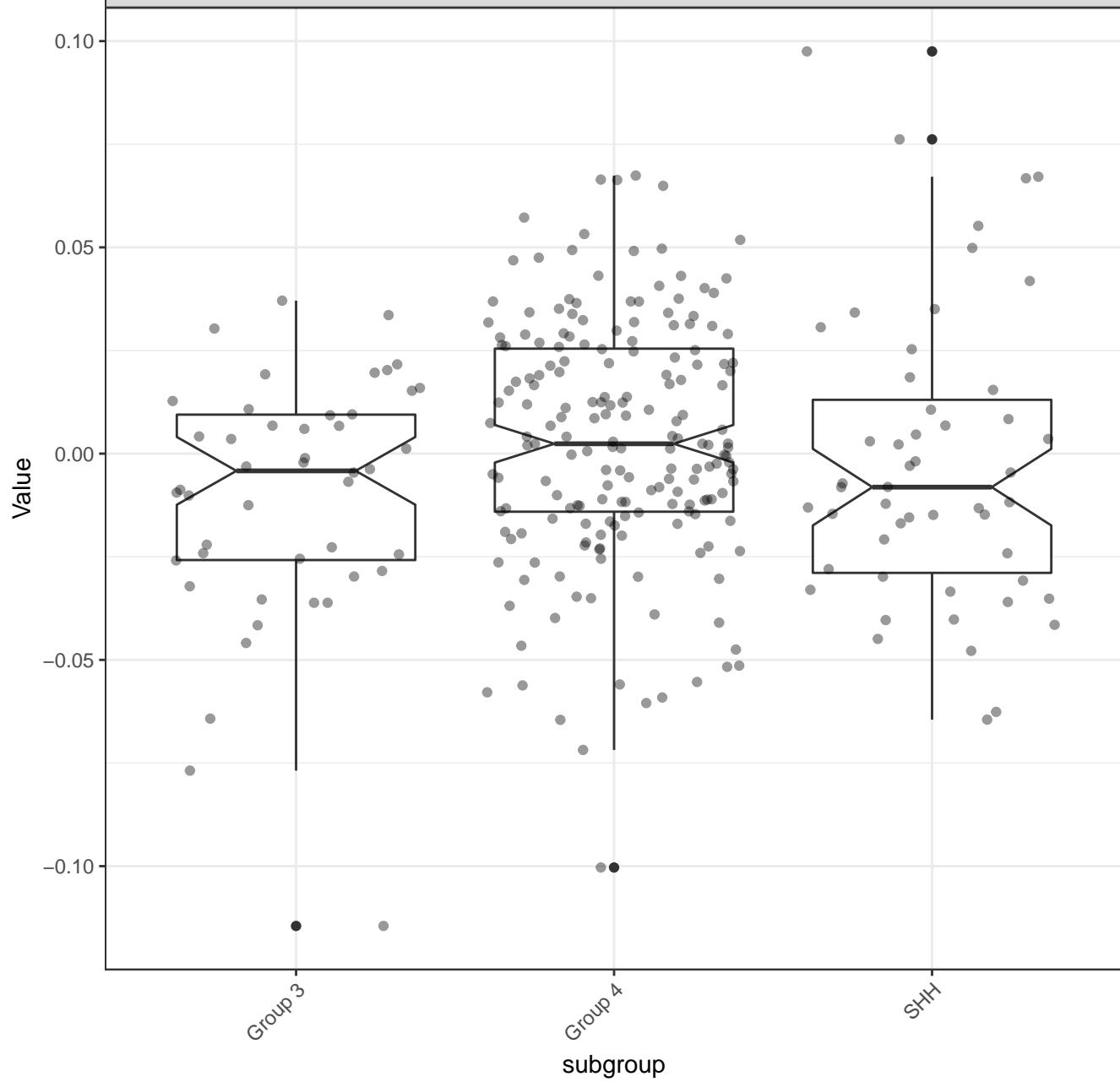
Group 4

SHH

subgroup



LV 320



LV 321

Value

0.10

0.05

0.00

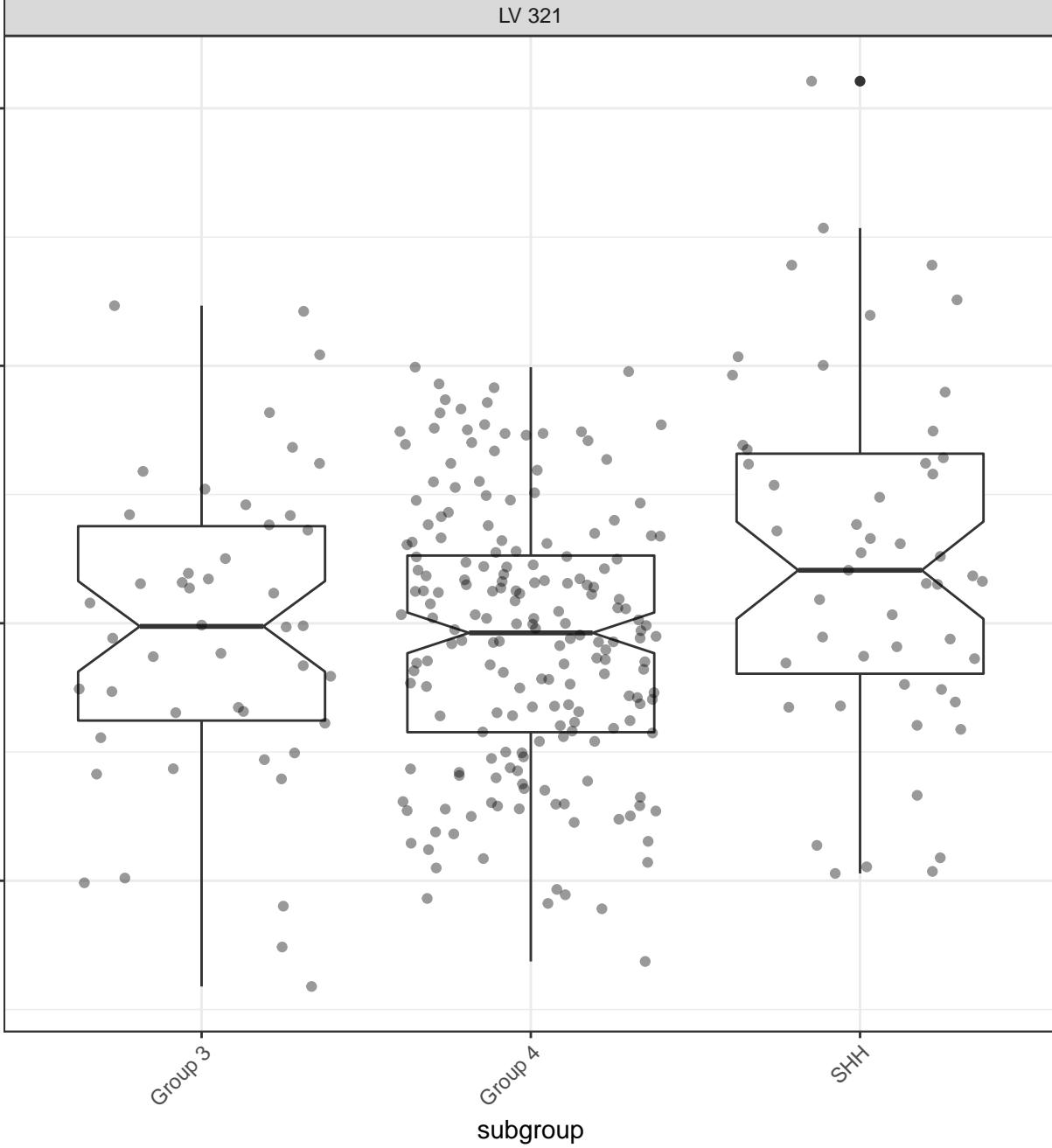
-0.05

Group 3

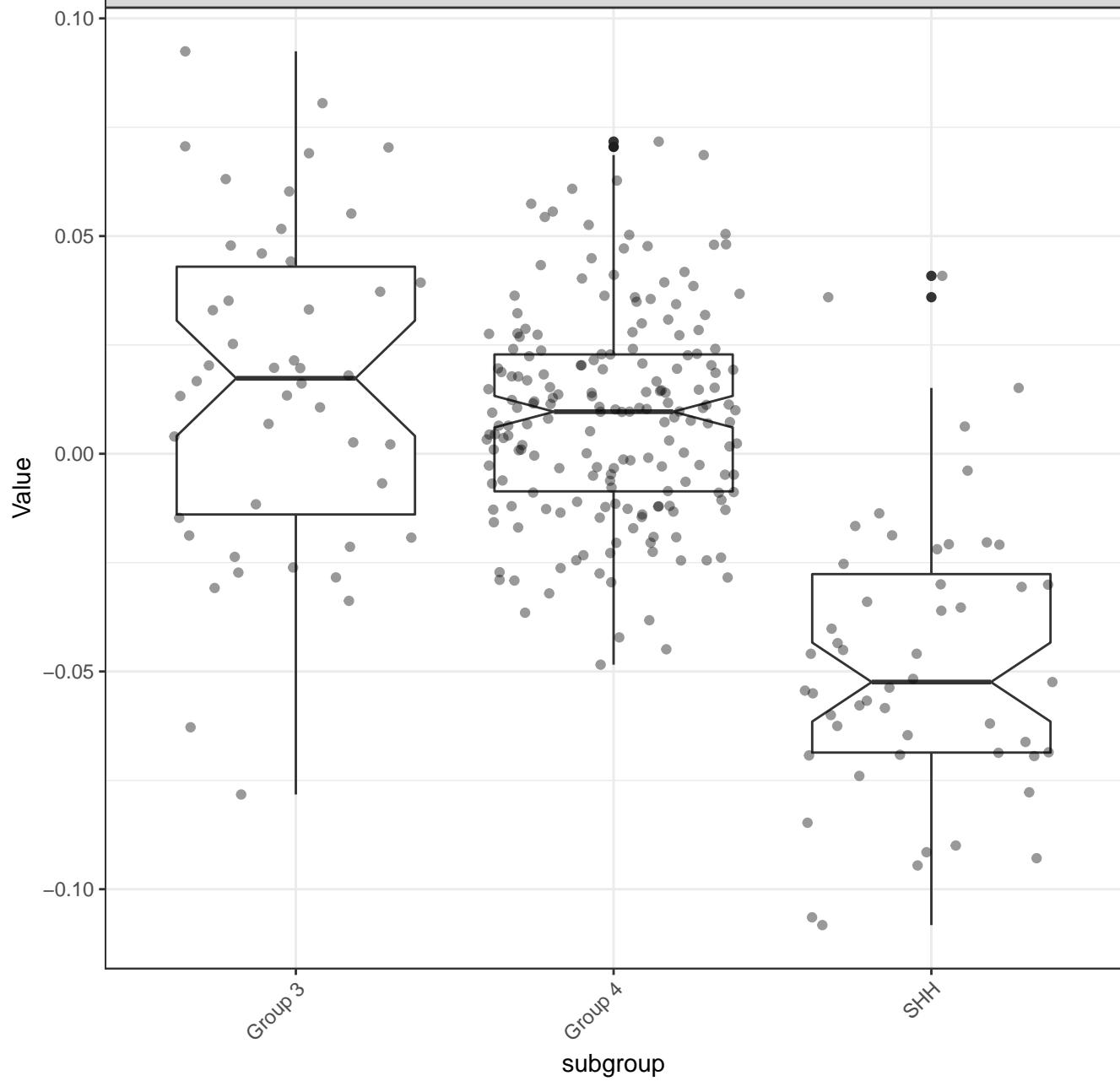
Group 4

SHH

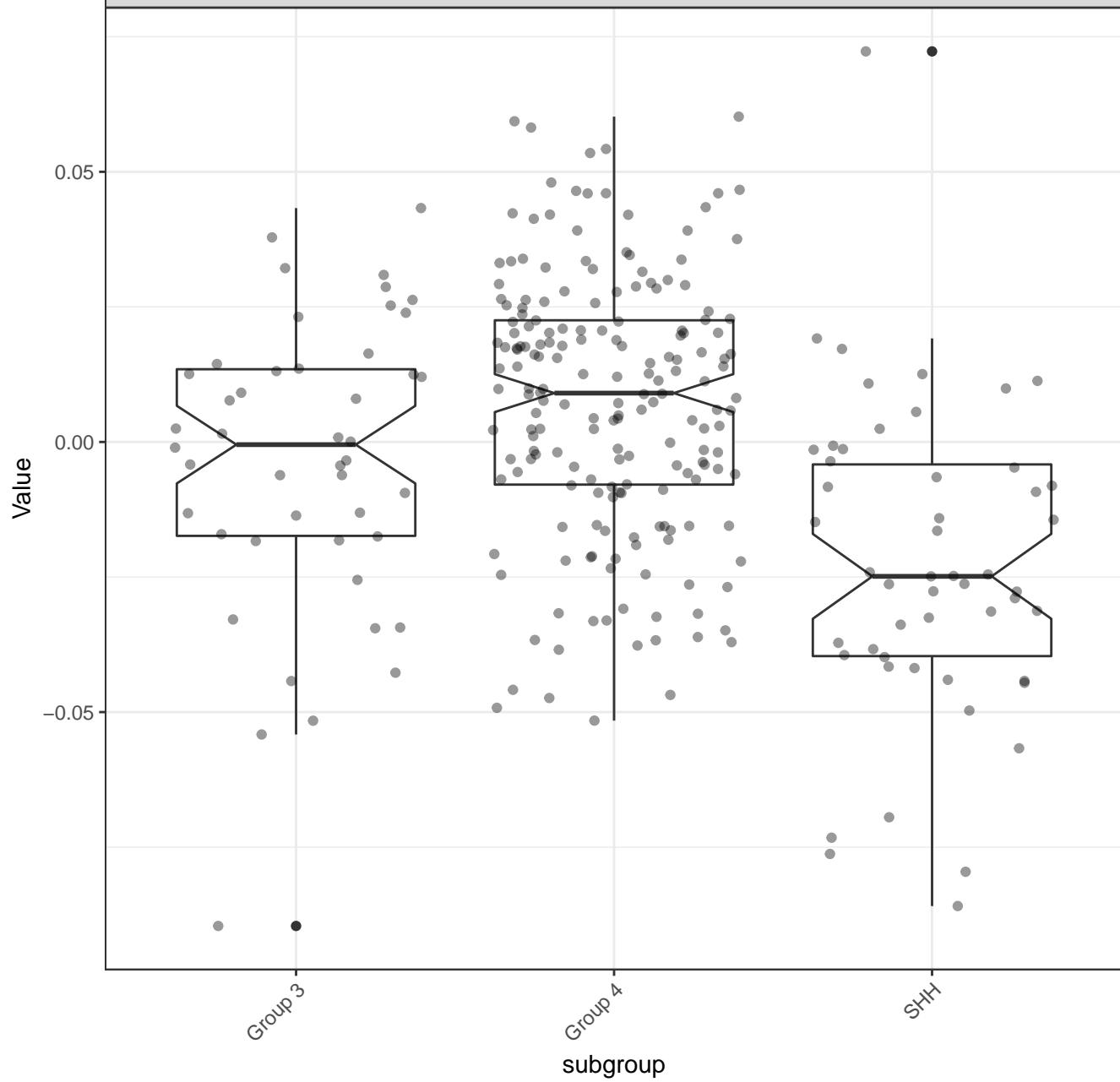
subgroup

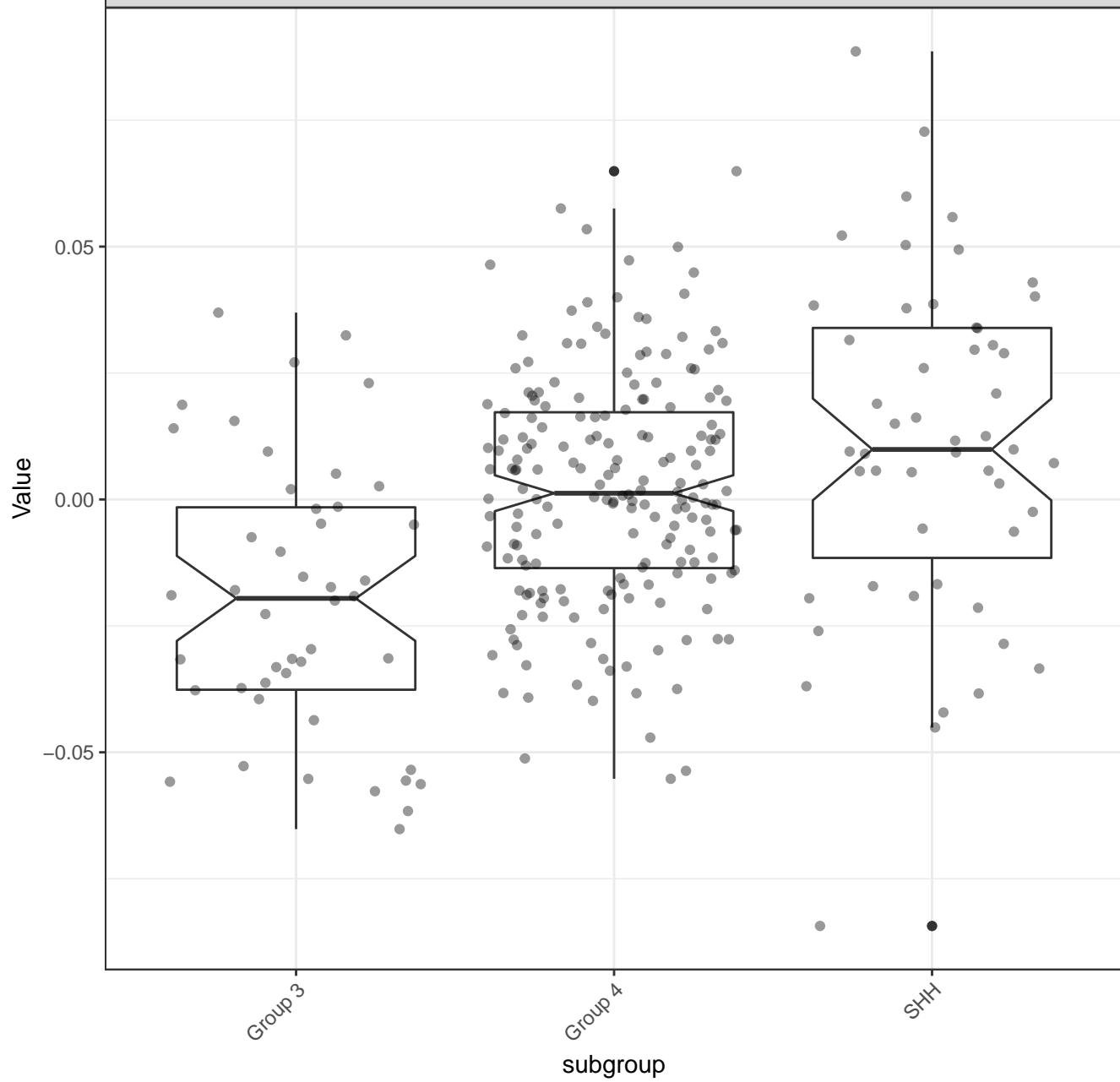


LV 322

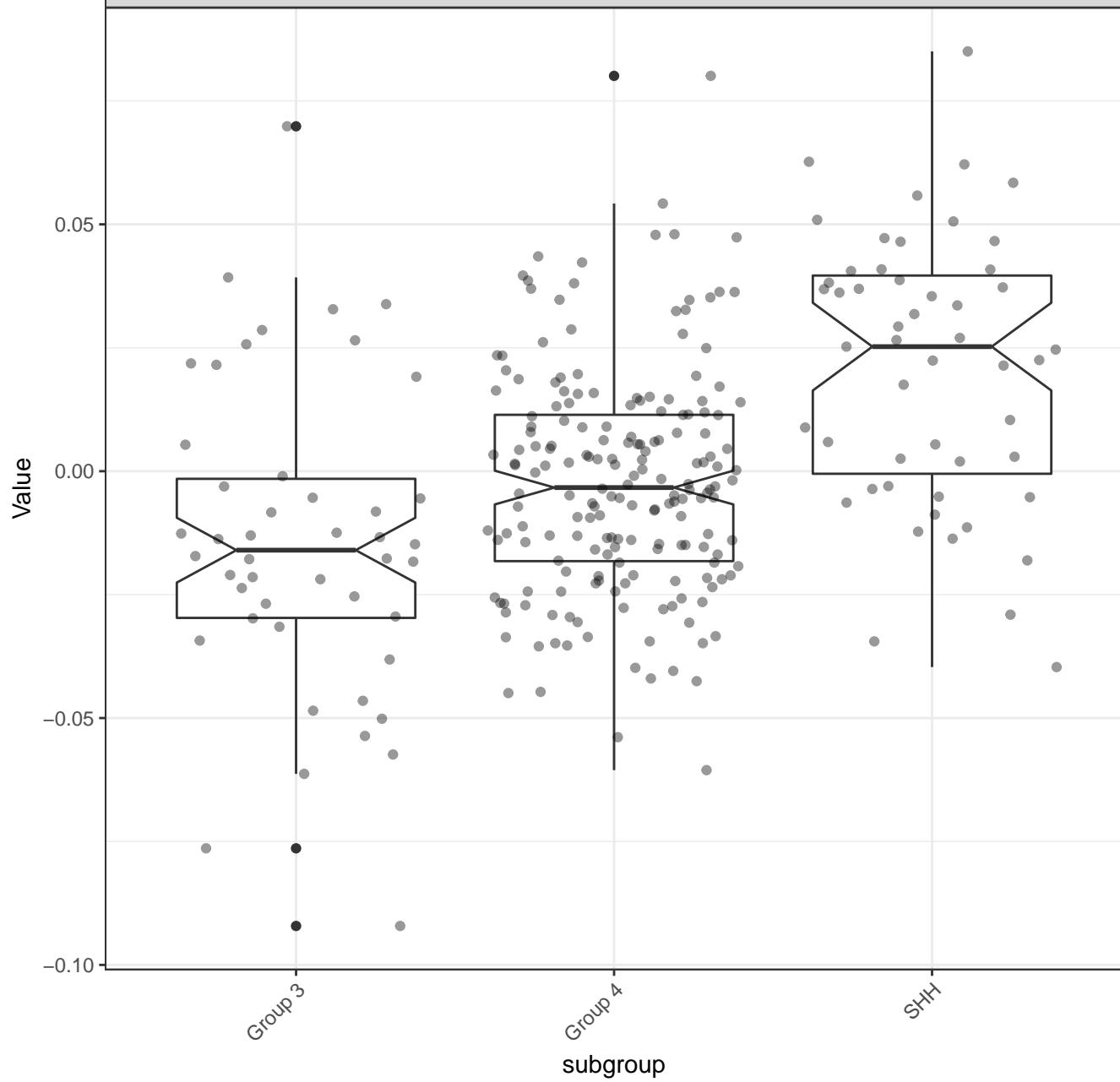


LV 323

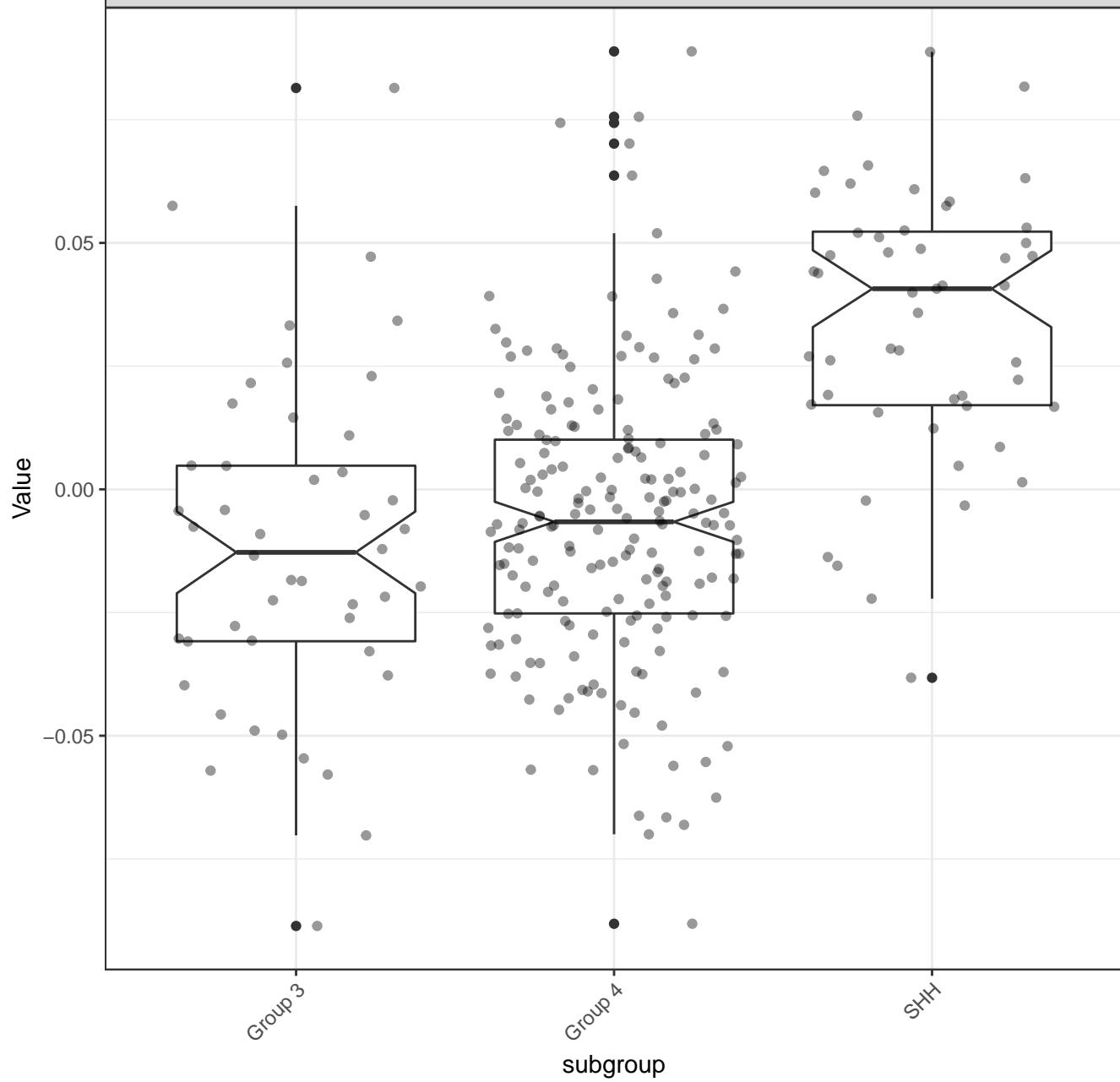




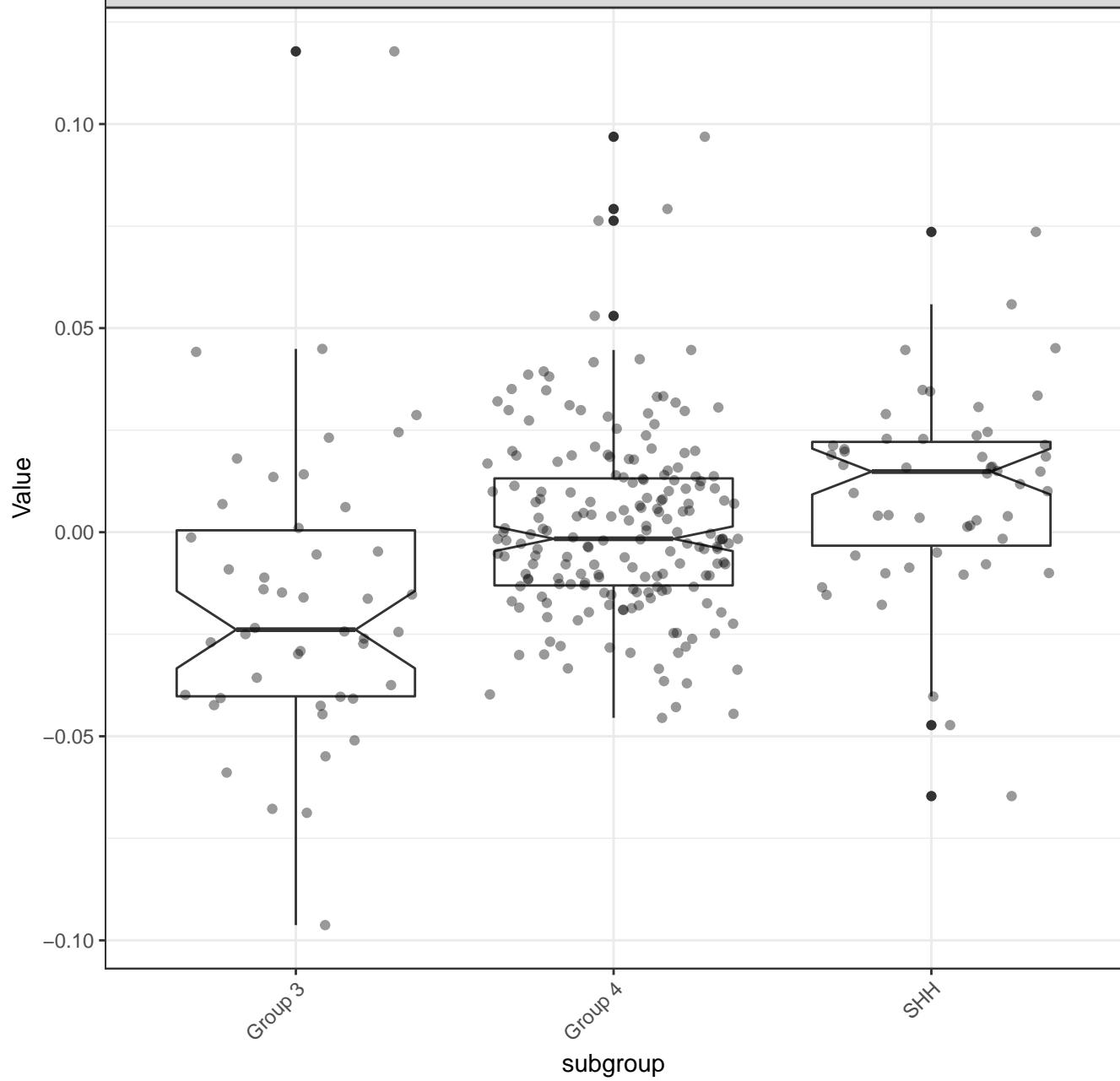
LV 325



LV 326



LV 327



Value

0.05

0.00

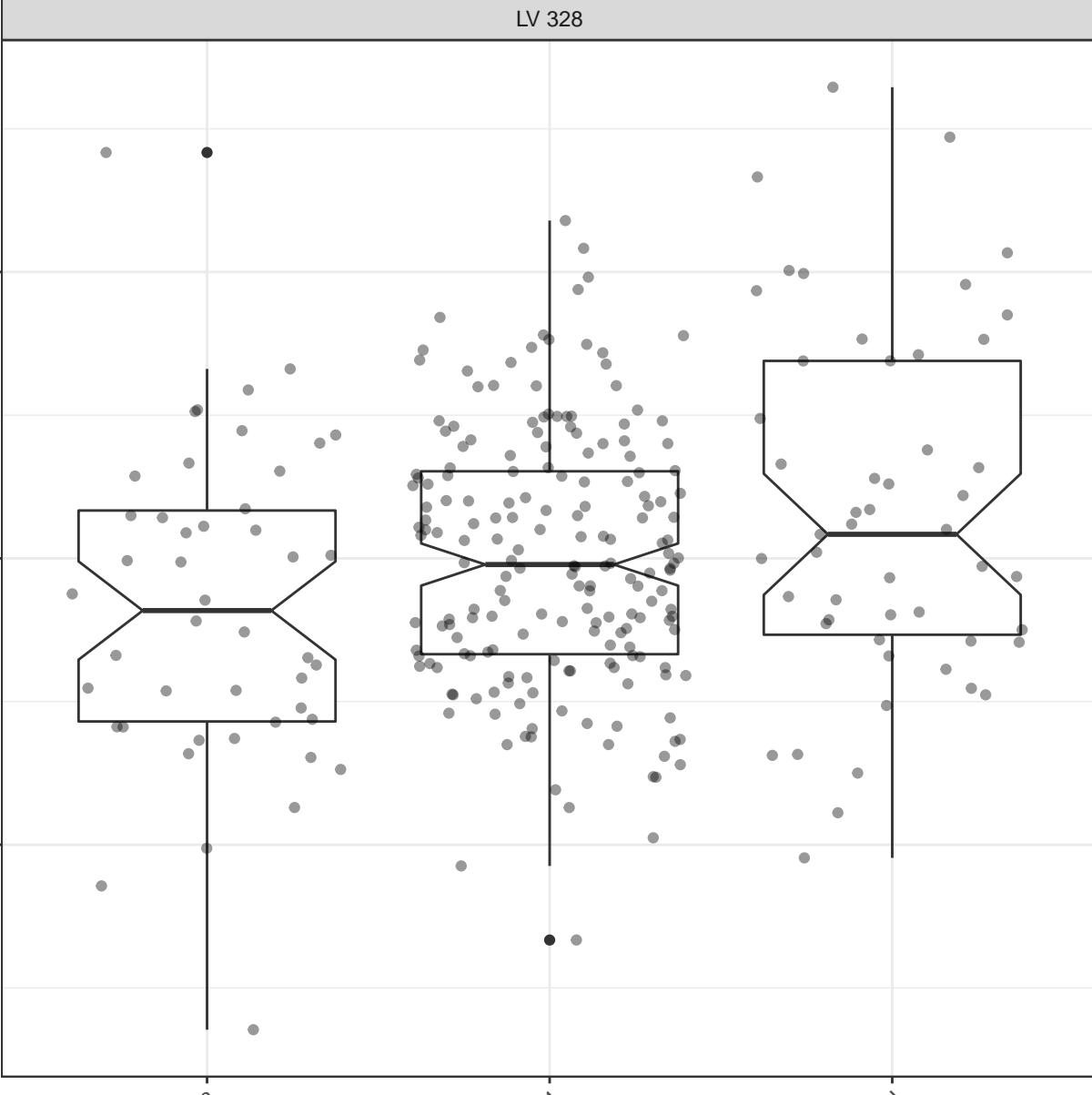
-0.05

Group 3

subgroup

Group 4

SHH



LV 329

Value

0.05

0.00

-0.05

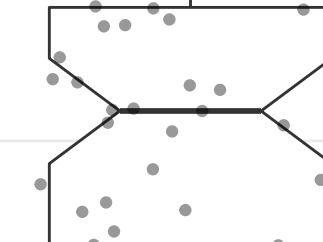
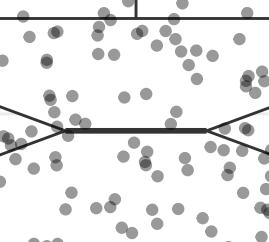
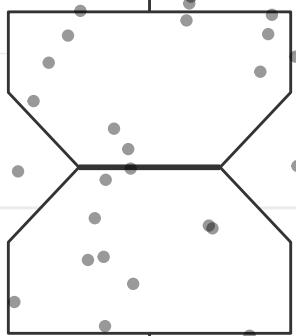
-0.10

Group 3

Group 4

SHH

subgroup



-0.11

LV 330

Value

0.05

0.00

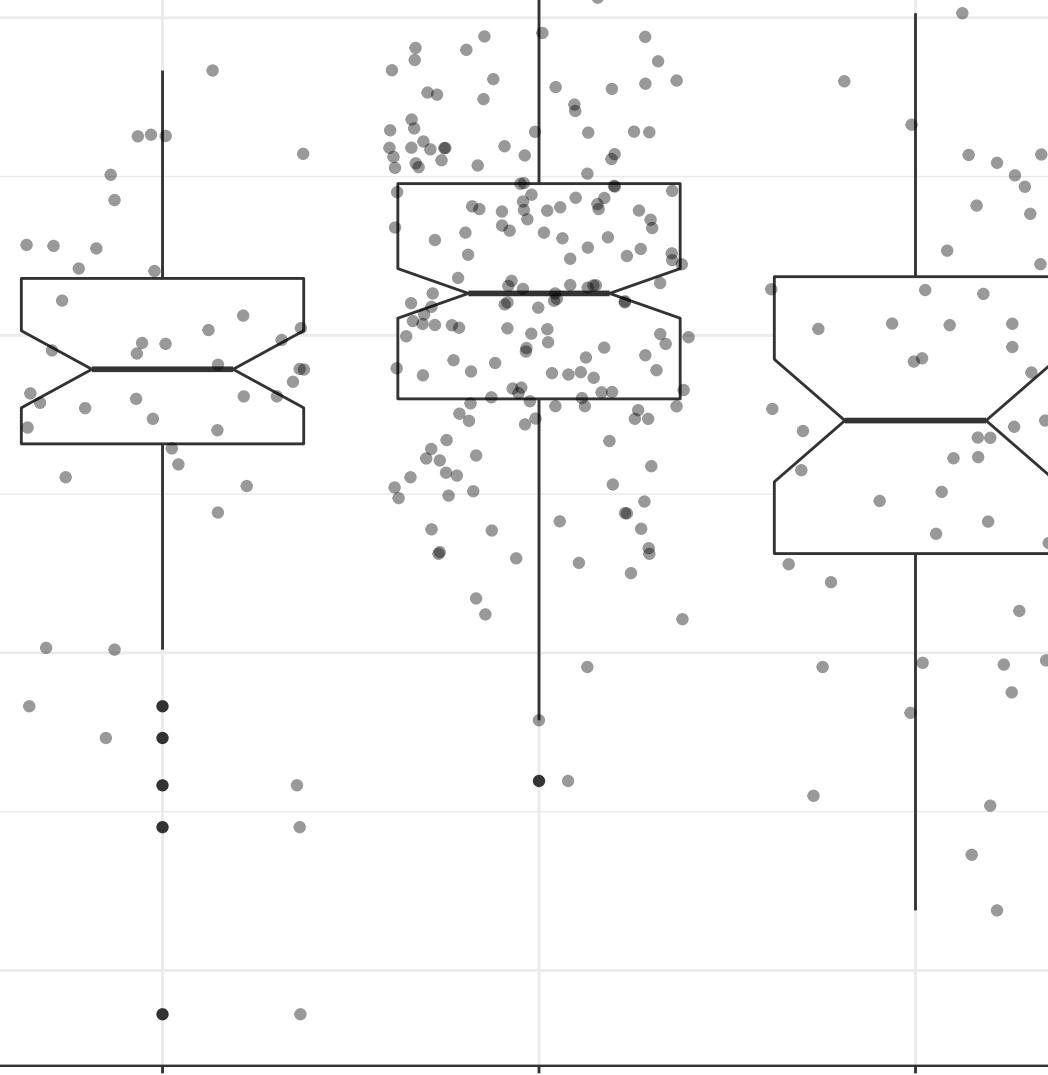
-0.05

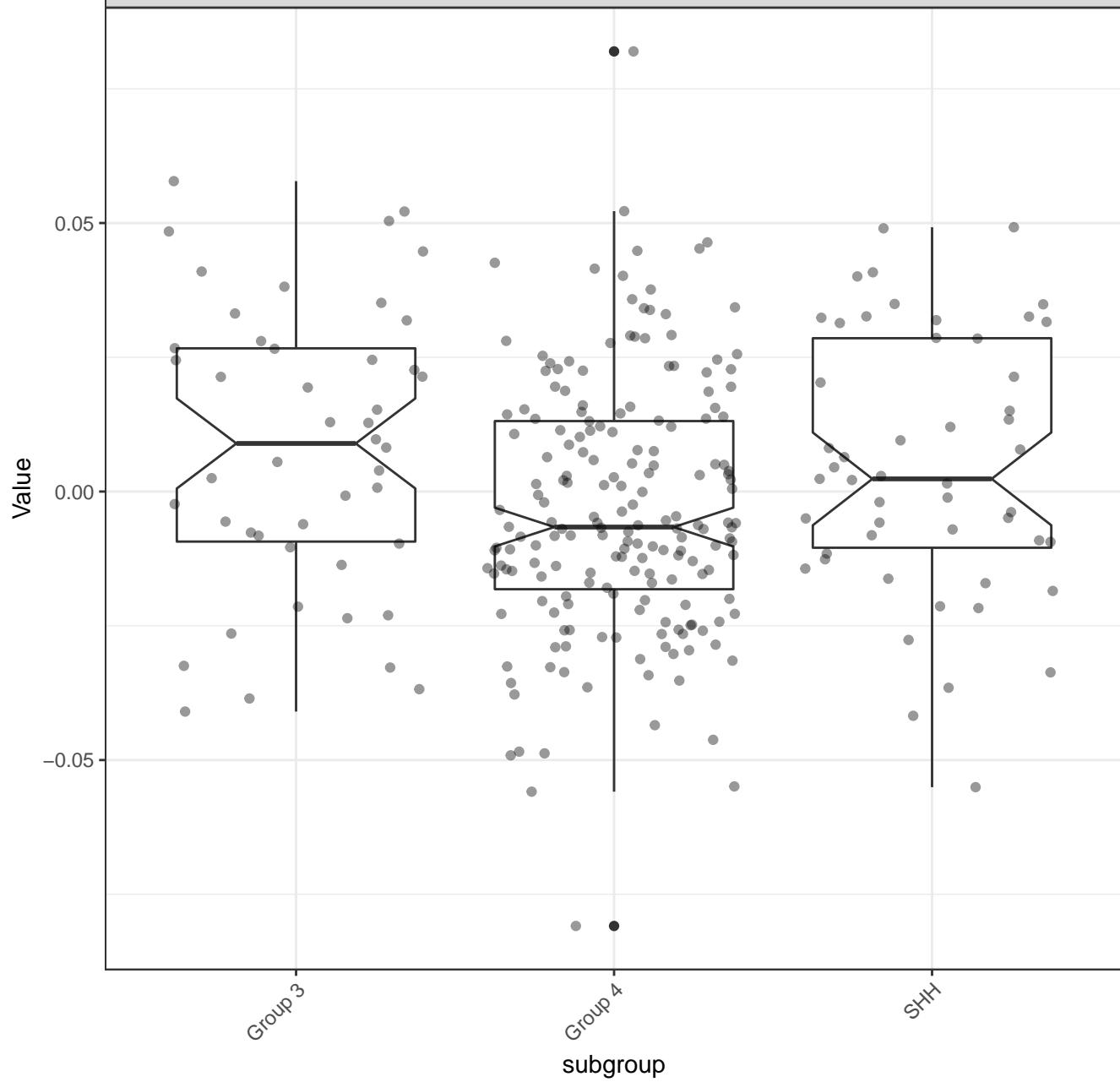
-0.10

Group 3

subgroup

SHH





LV 332

Value

0.05

0.00

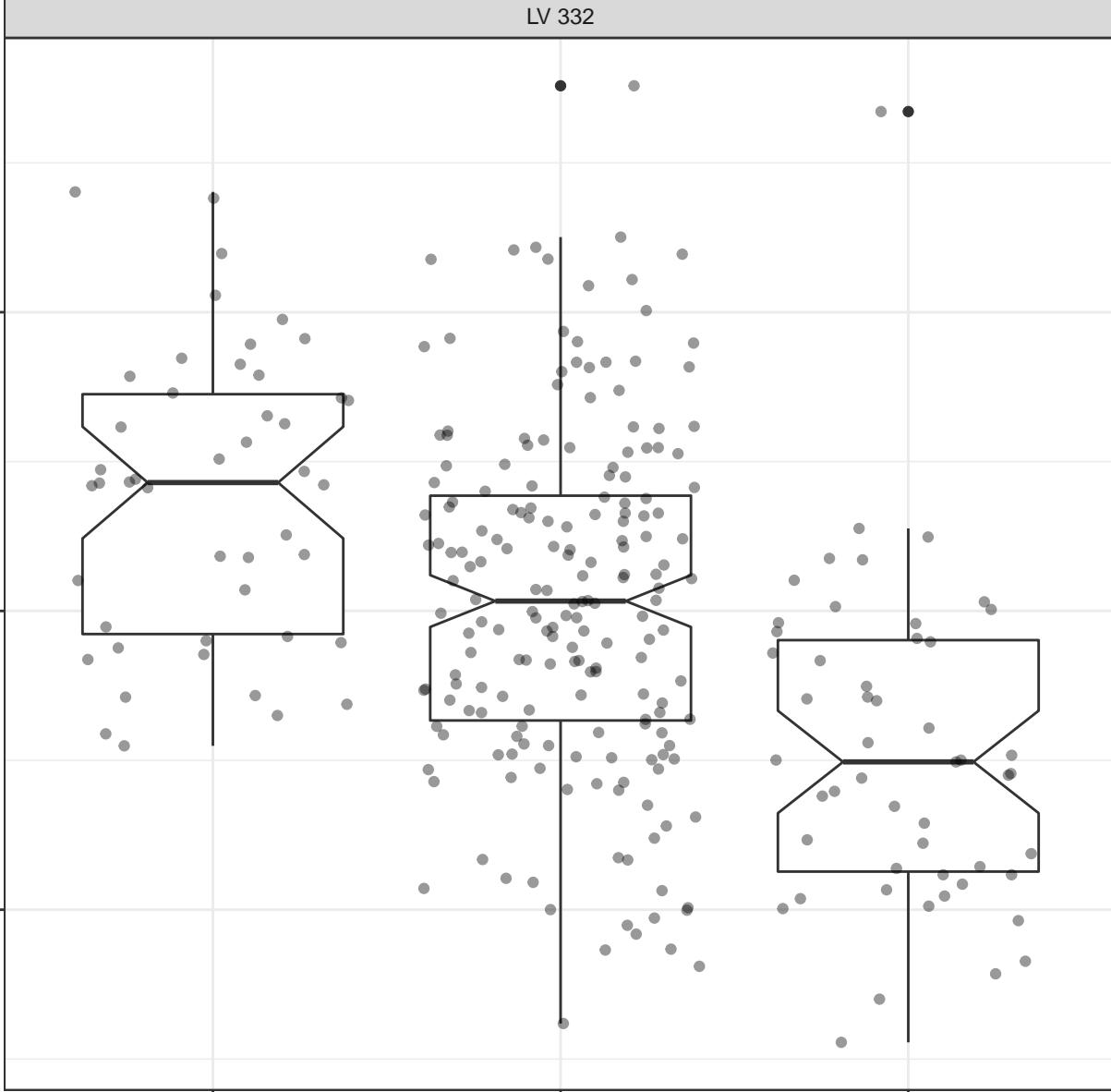
-0.05

Group 3

subgroup

Group 4

SHH



LV 333

Value

0.10

0.05

0.00

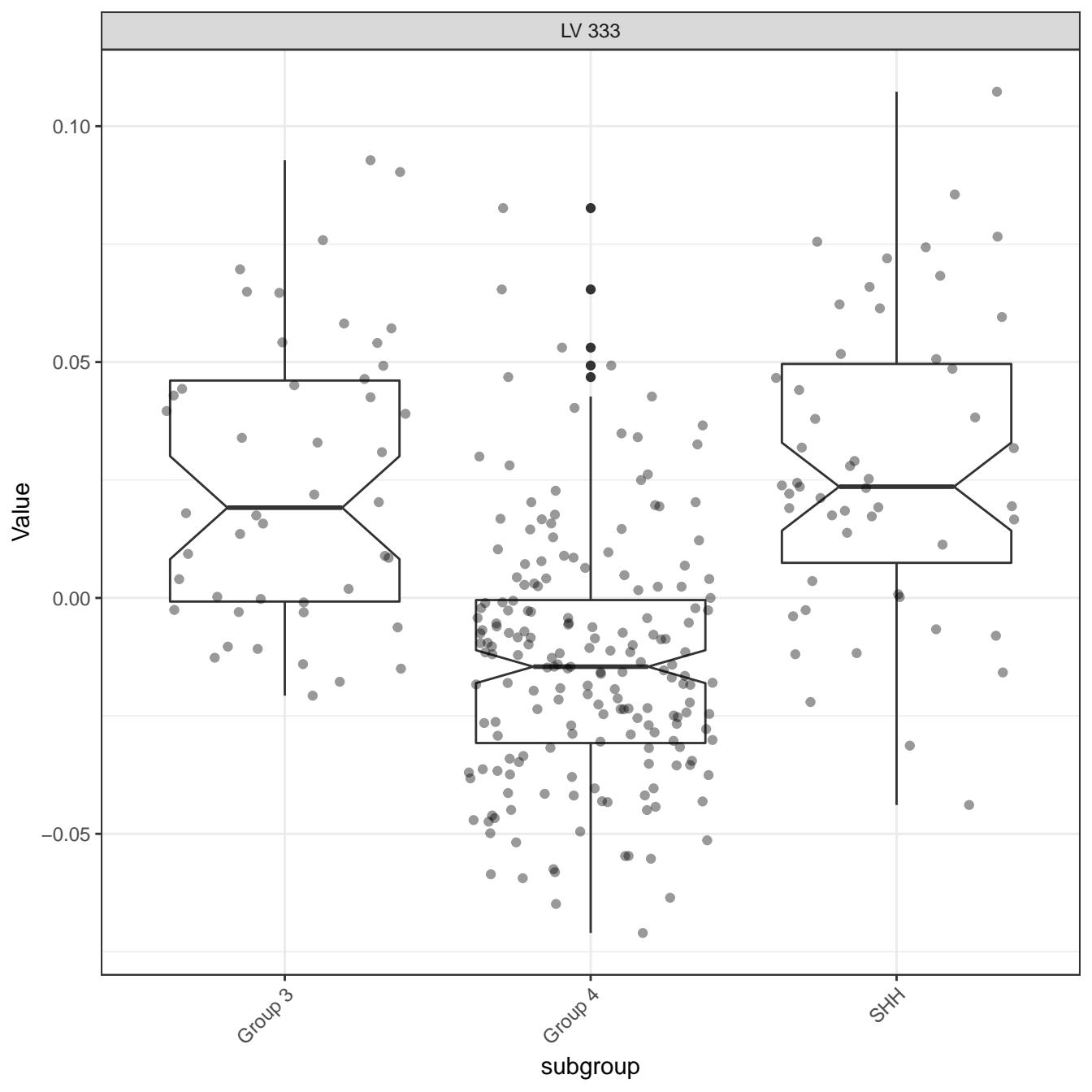
-0.05

Group 3

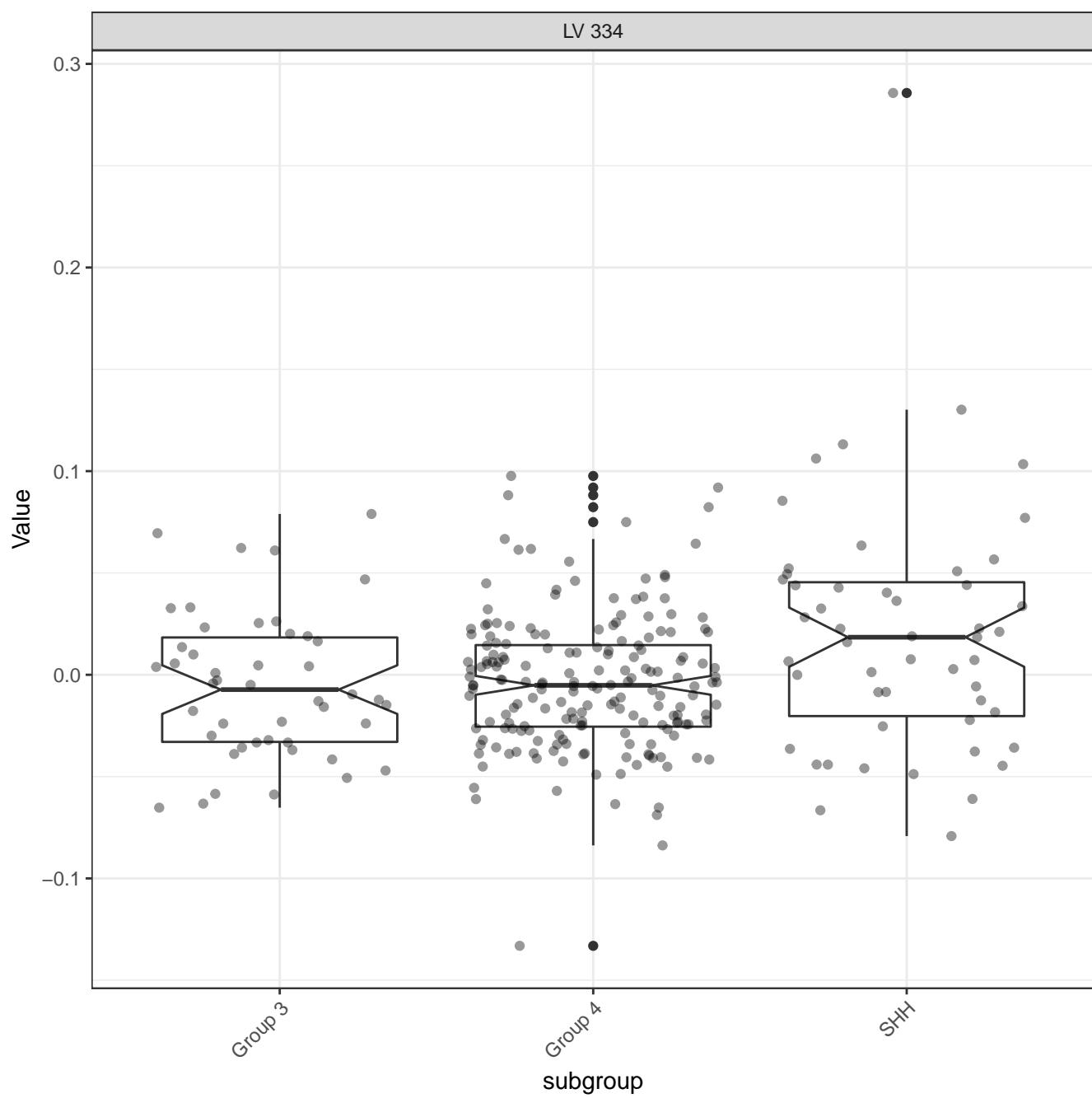
subgroup

SHH

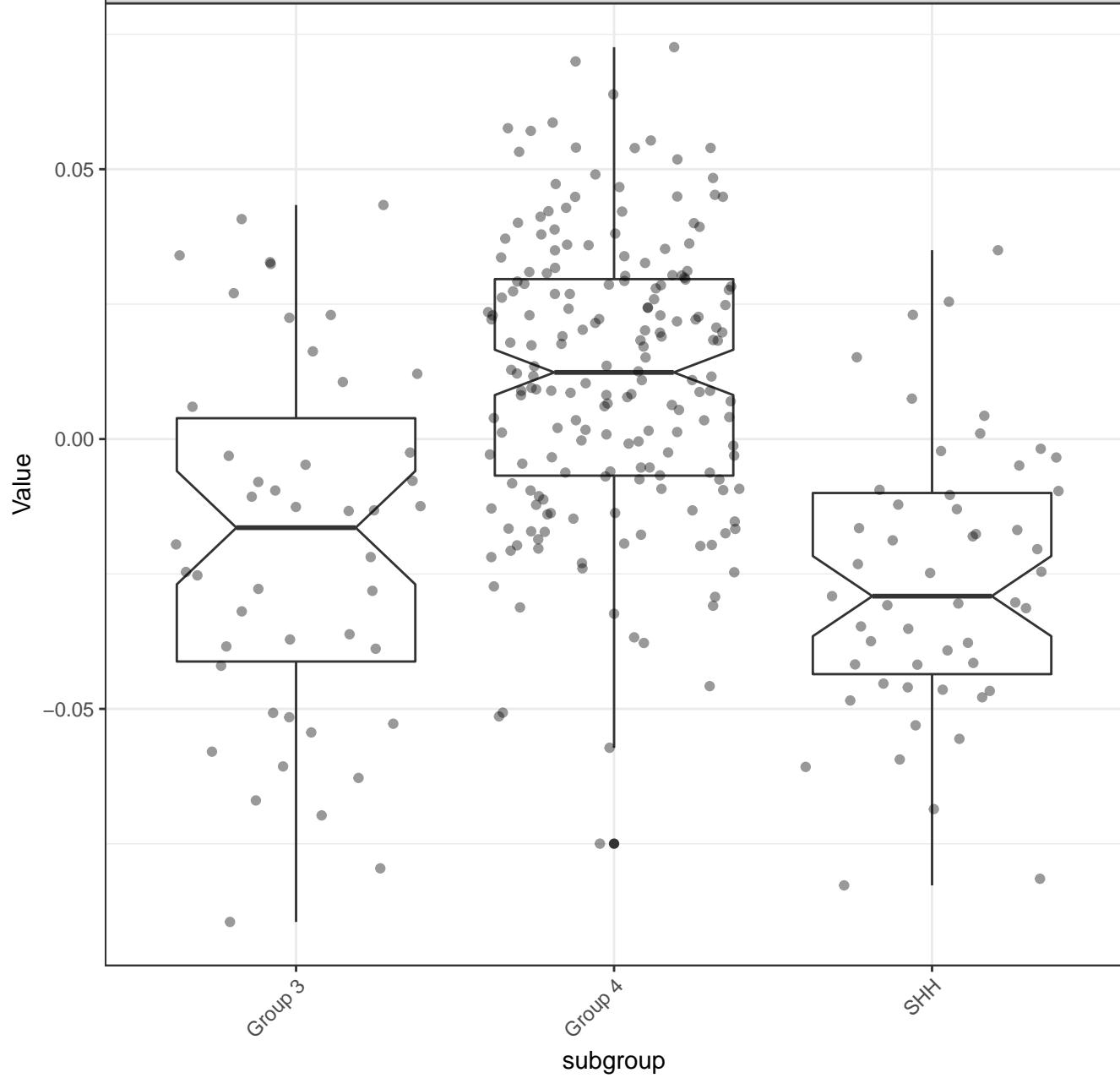
Group 4



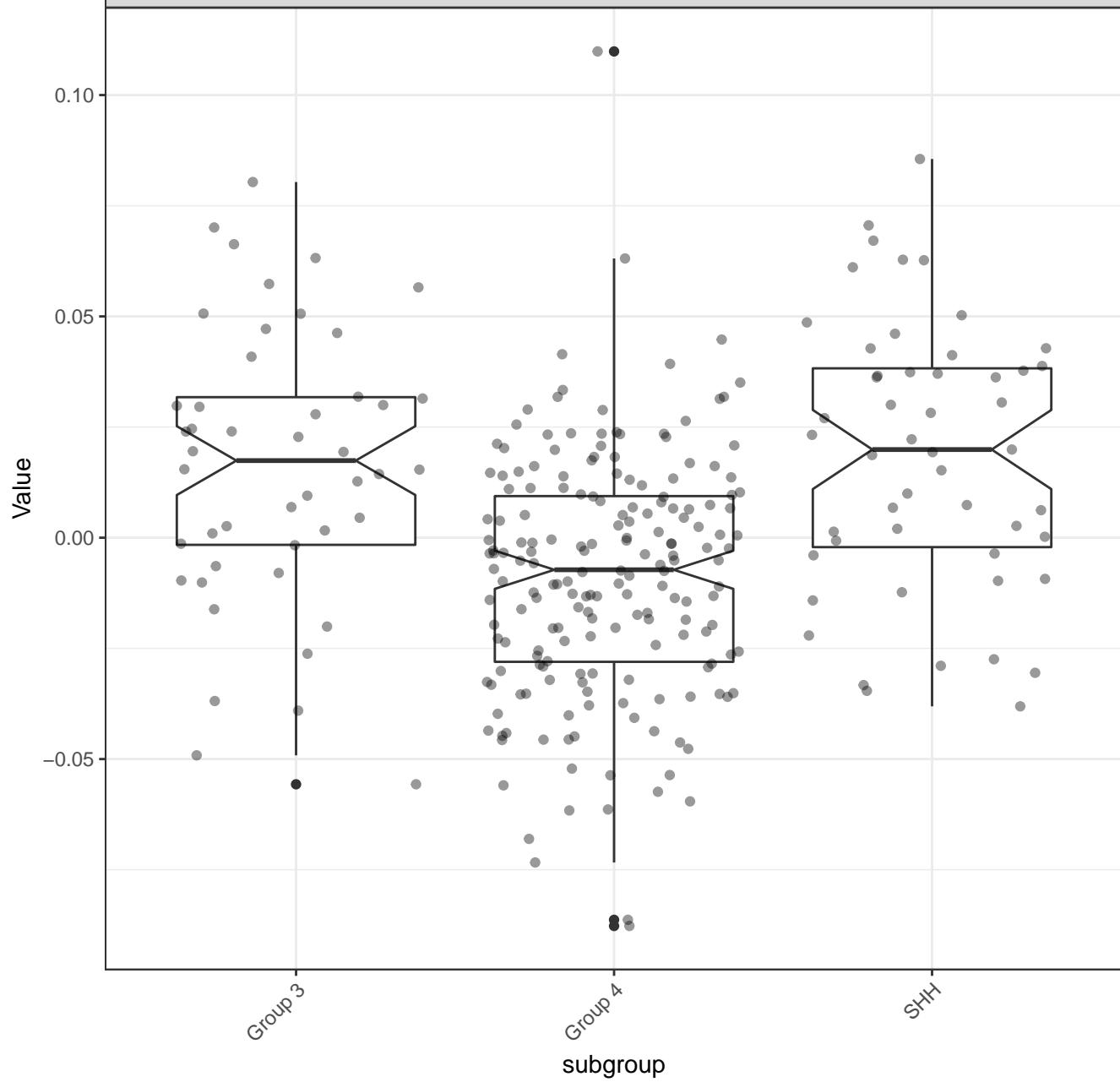
LV 334



LV 335

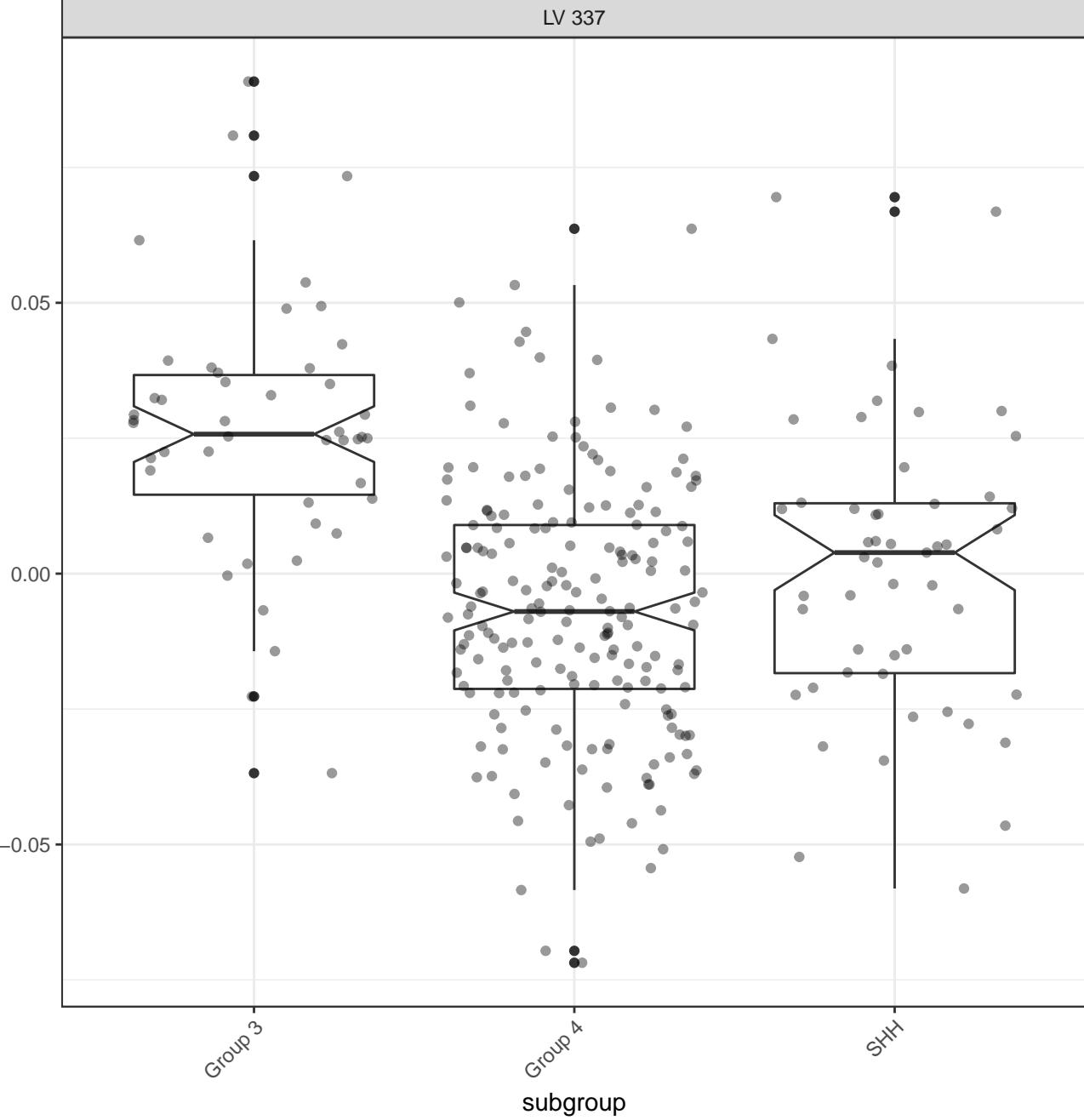


LV 336

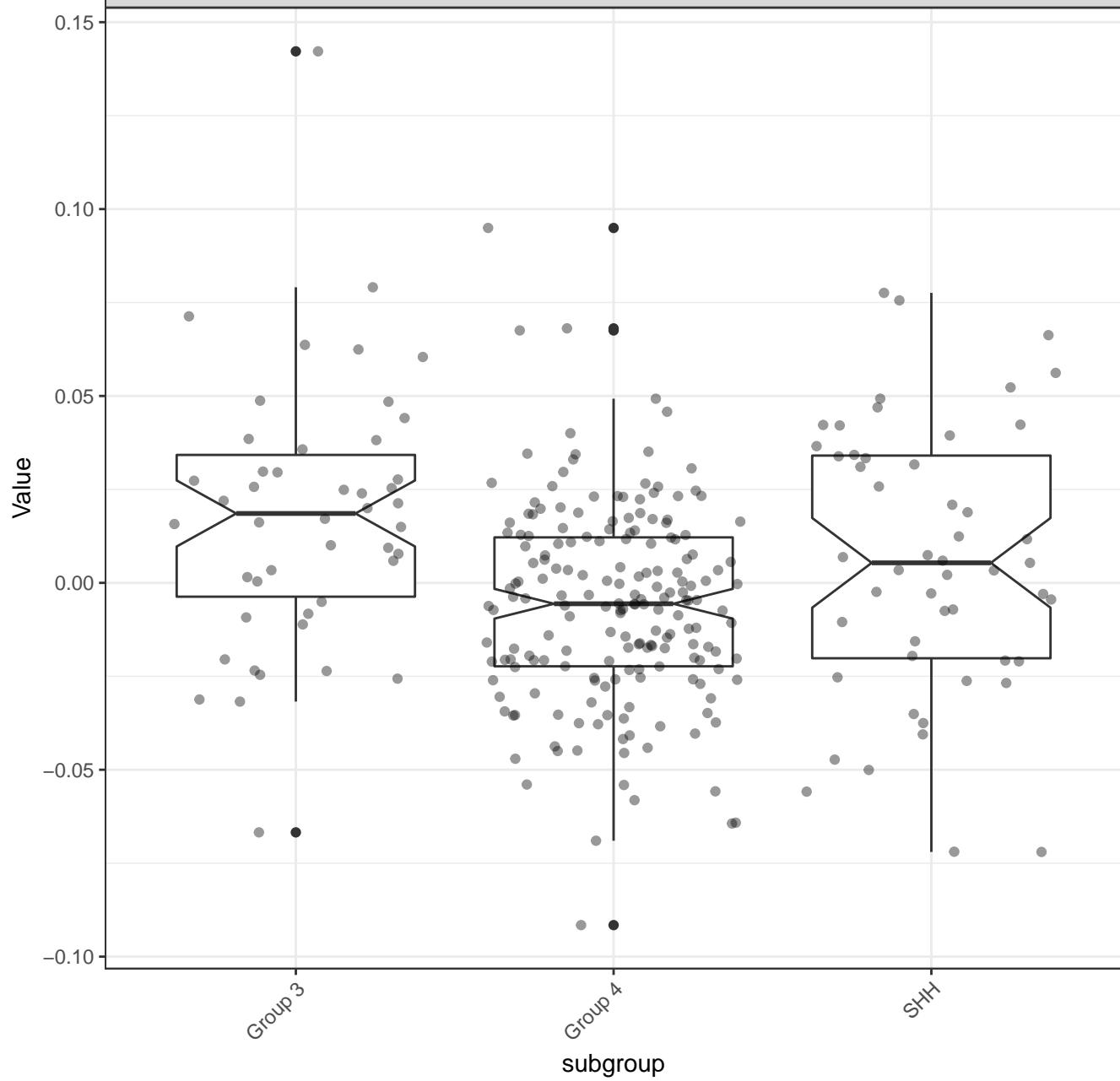


LV 337

Value



LV 338



LV 339

Value

0.05

0.00

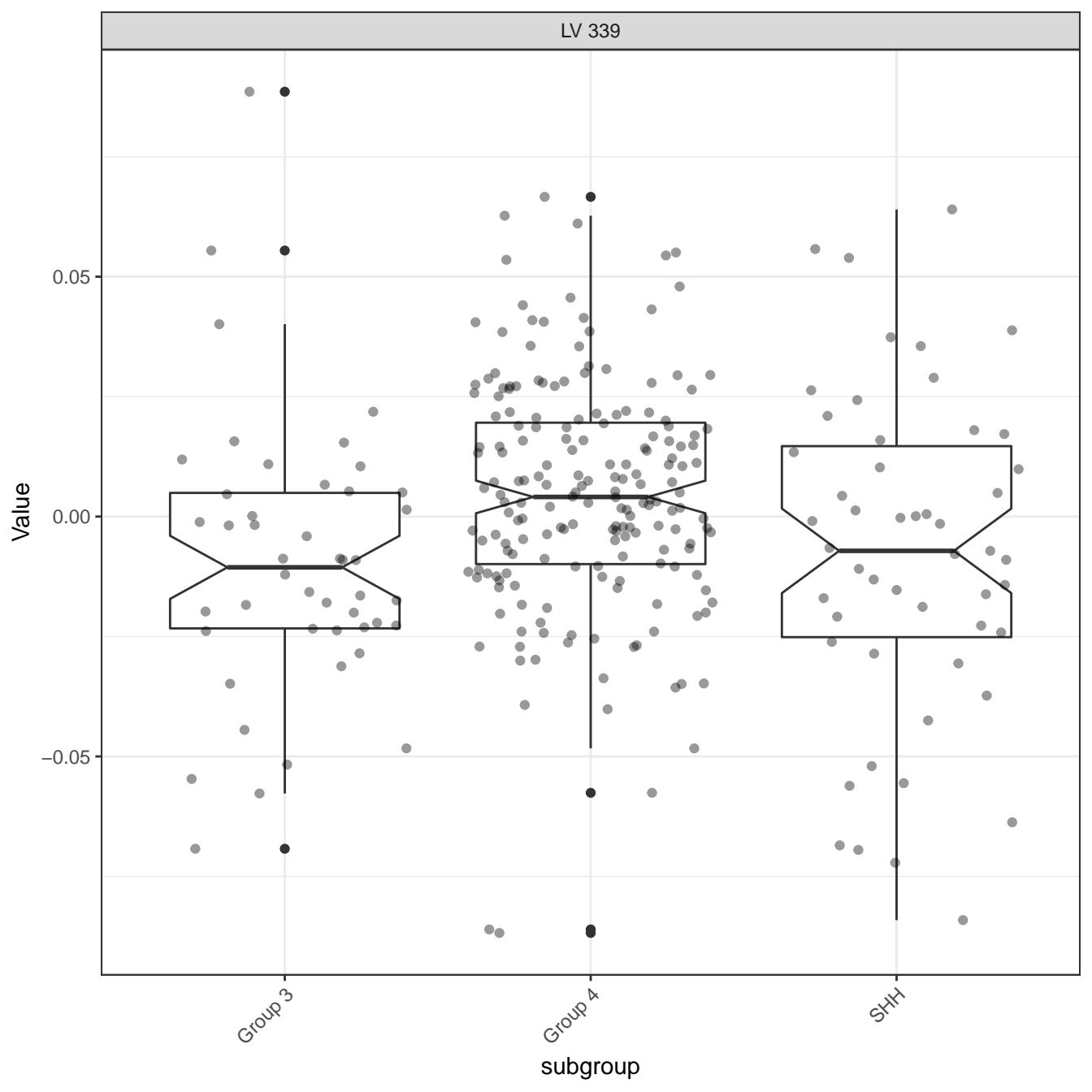
-0.05

Group 3

subgroup

SHH

Group 4



Value

0.10

0.05

0.00

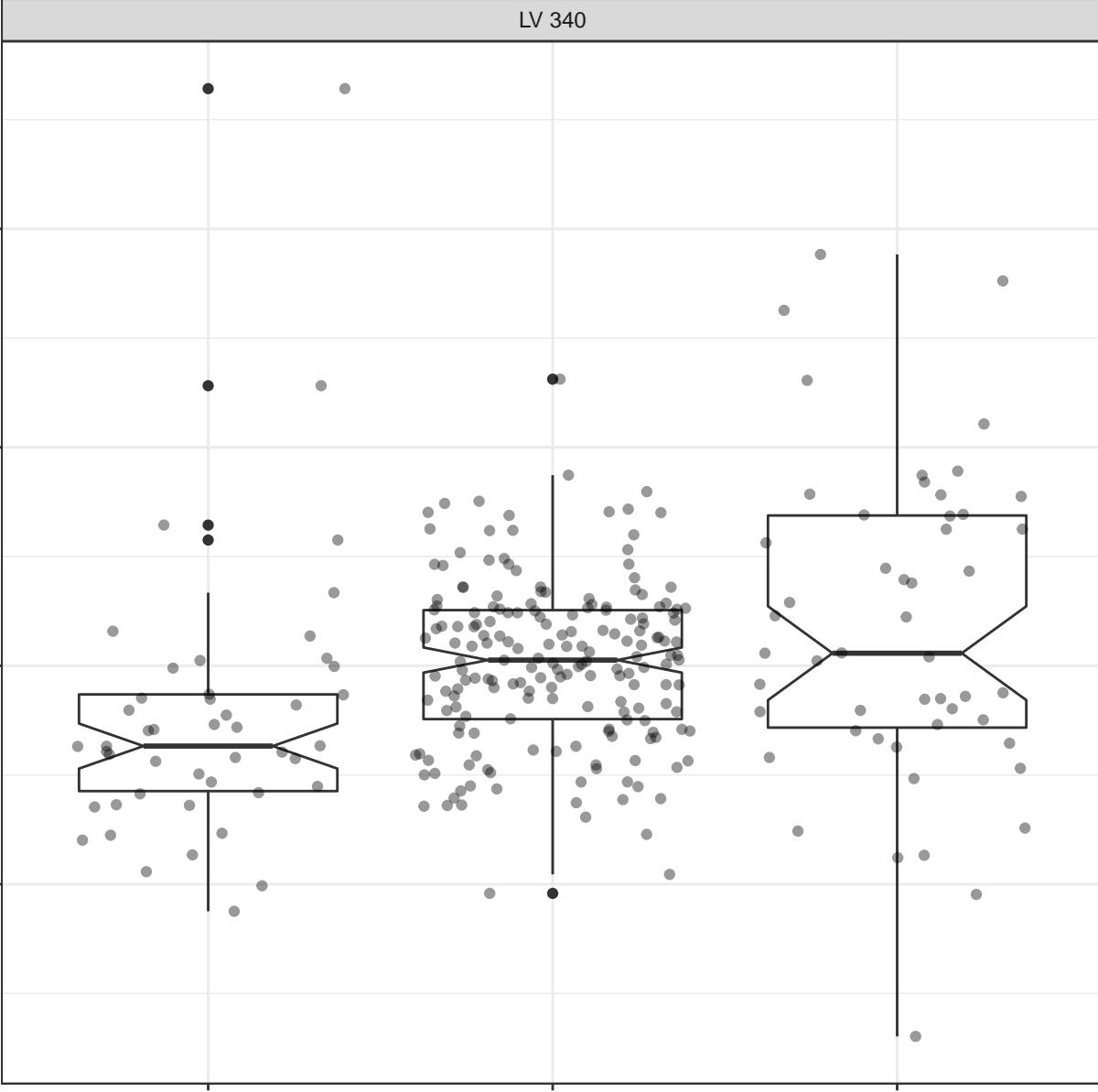
-0.05

Group 3

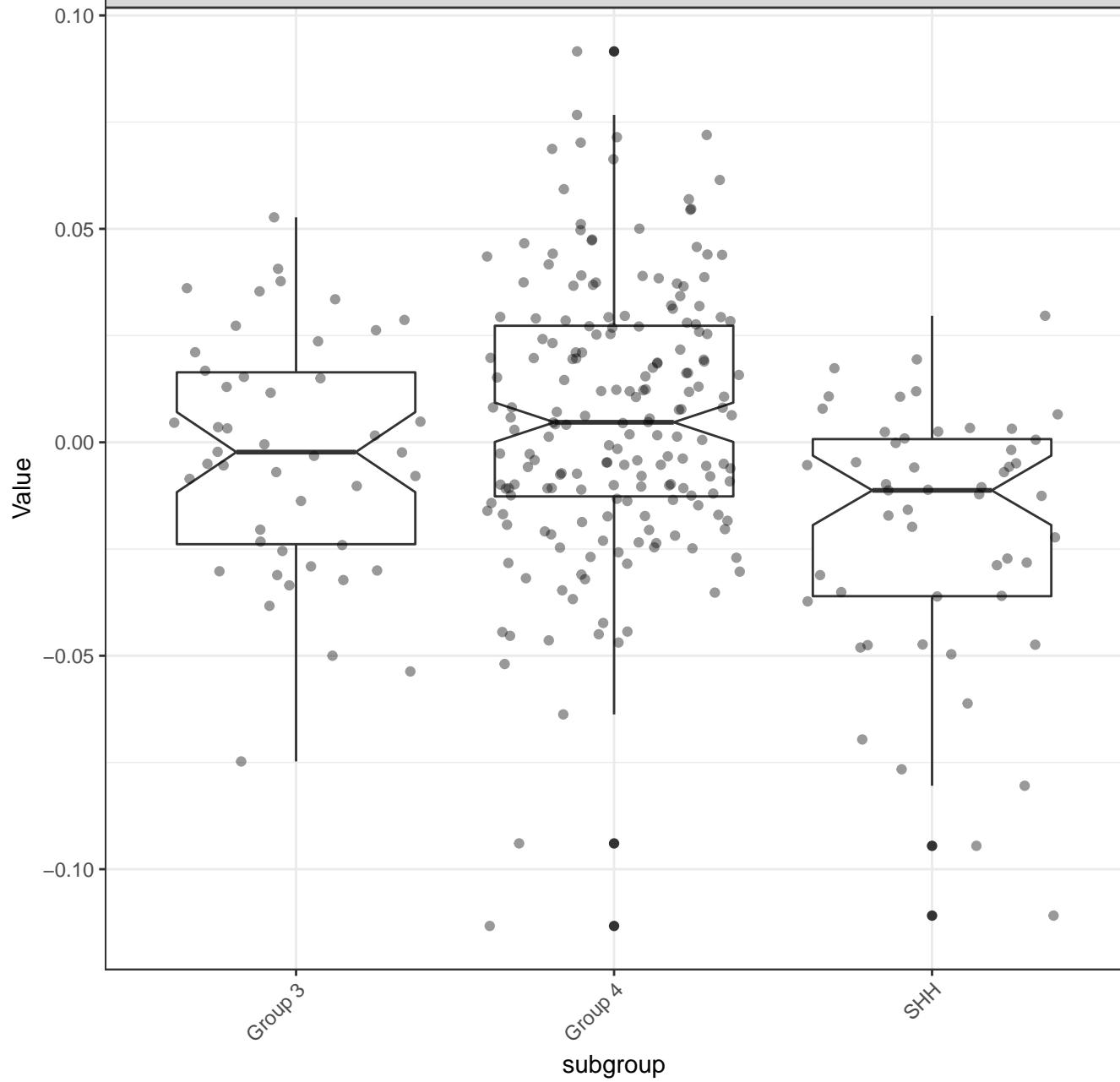
subgroup

Group 4

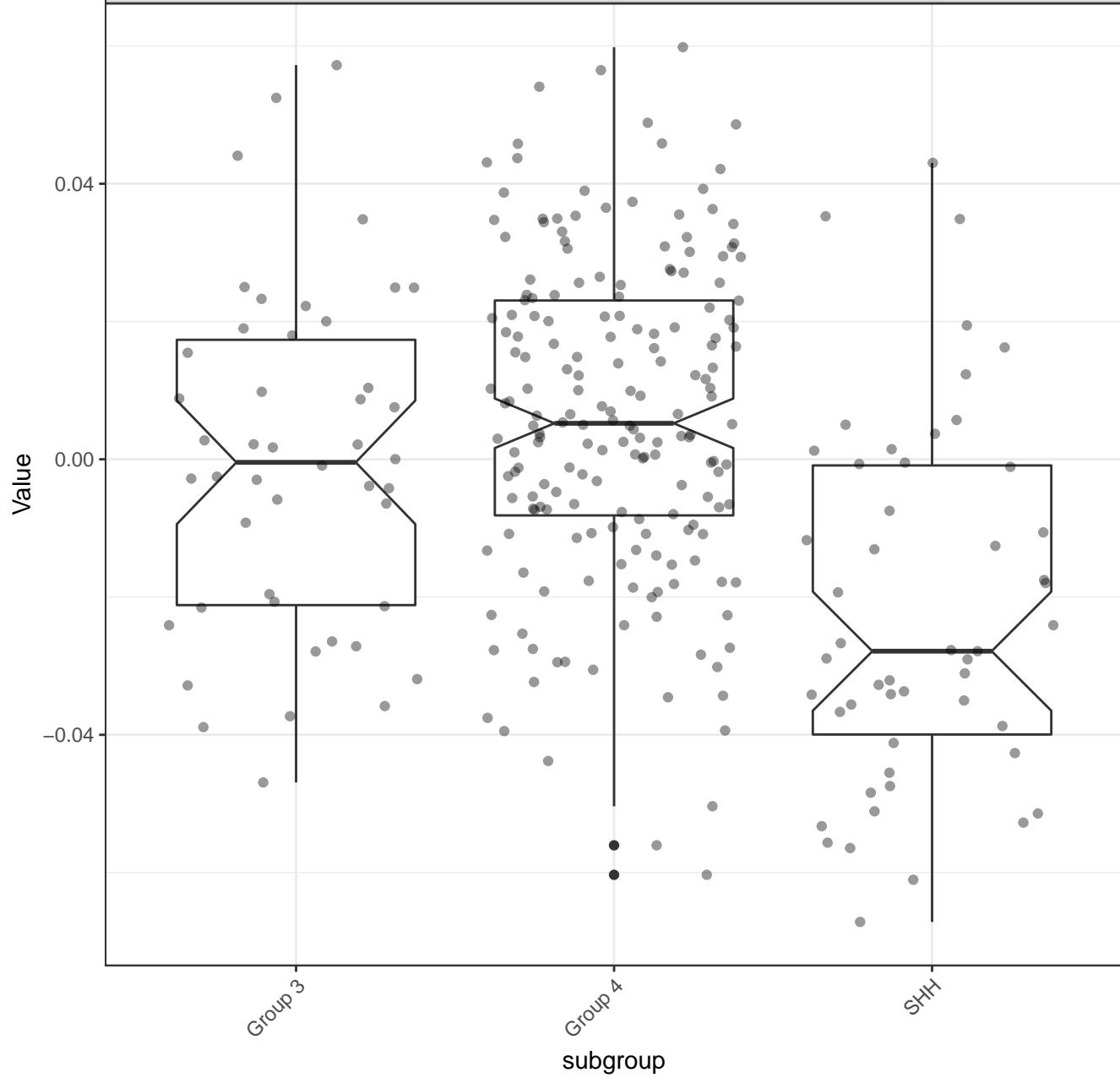
SHH

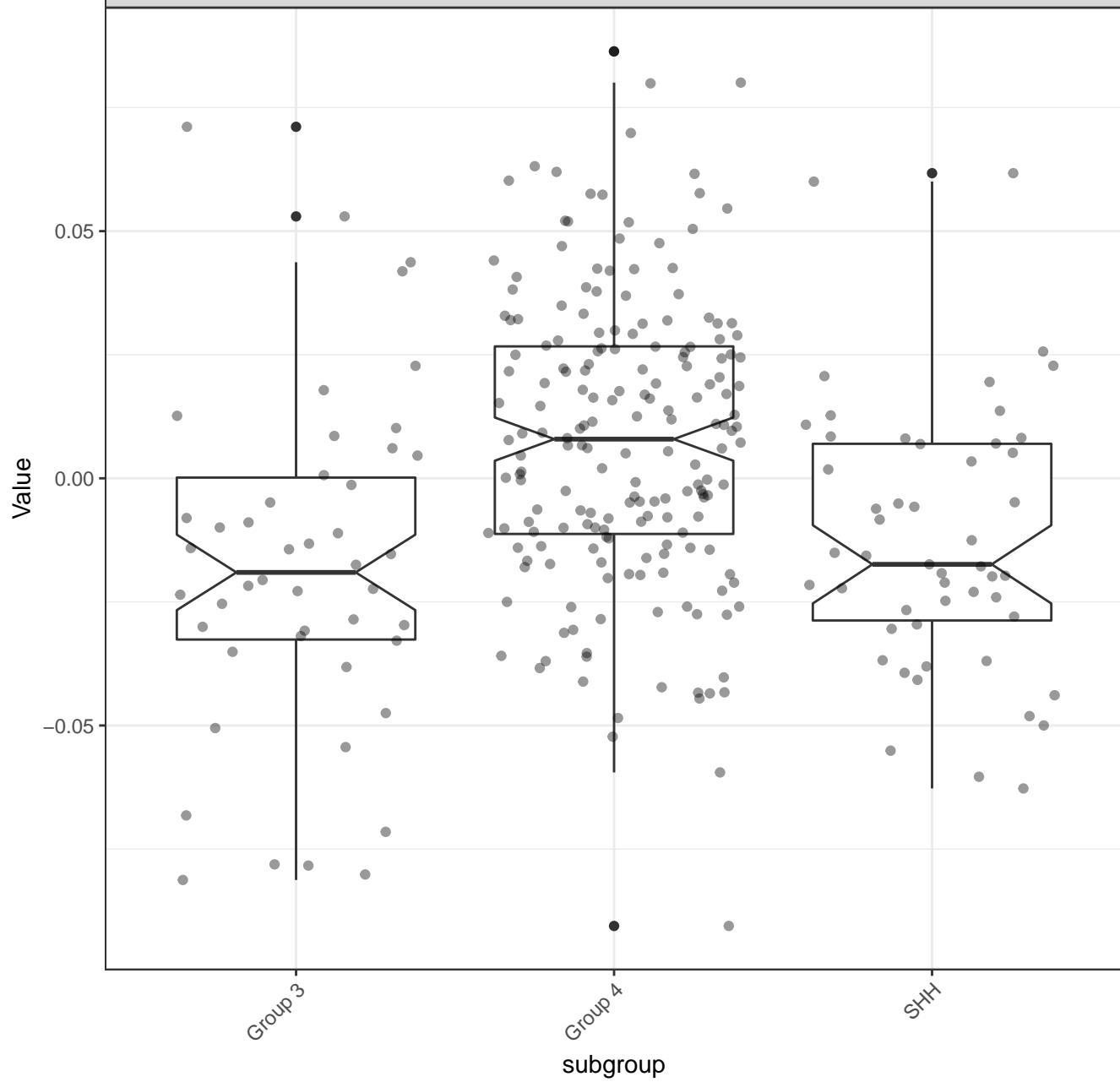


LV 341

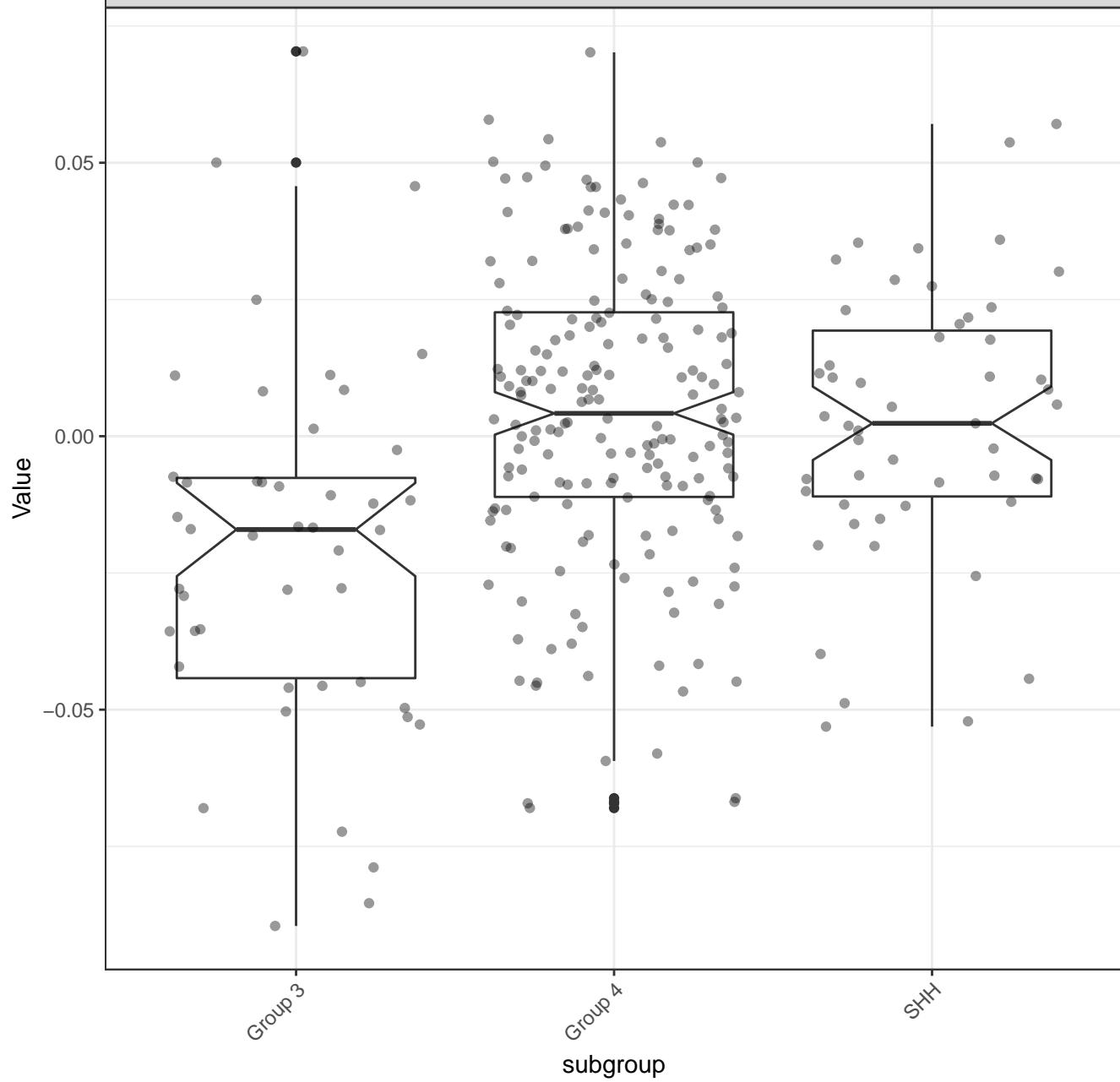


LV 342

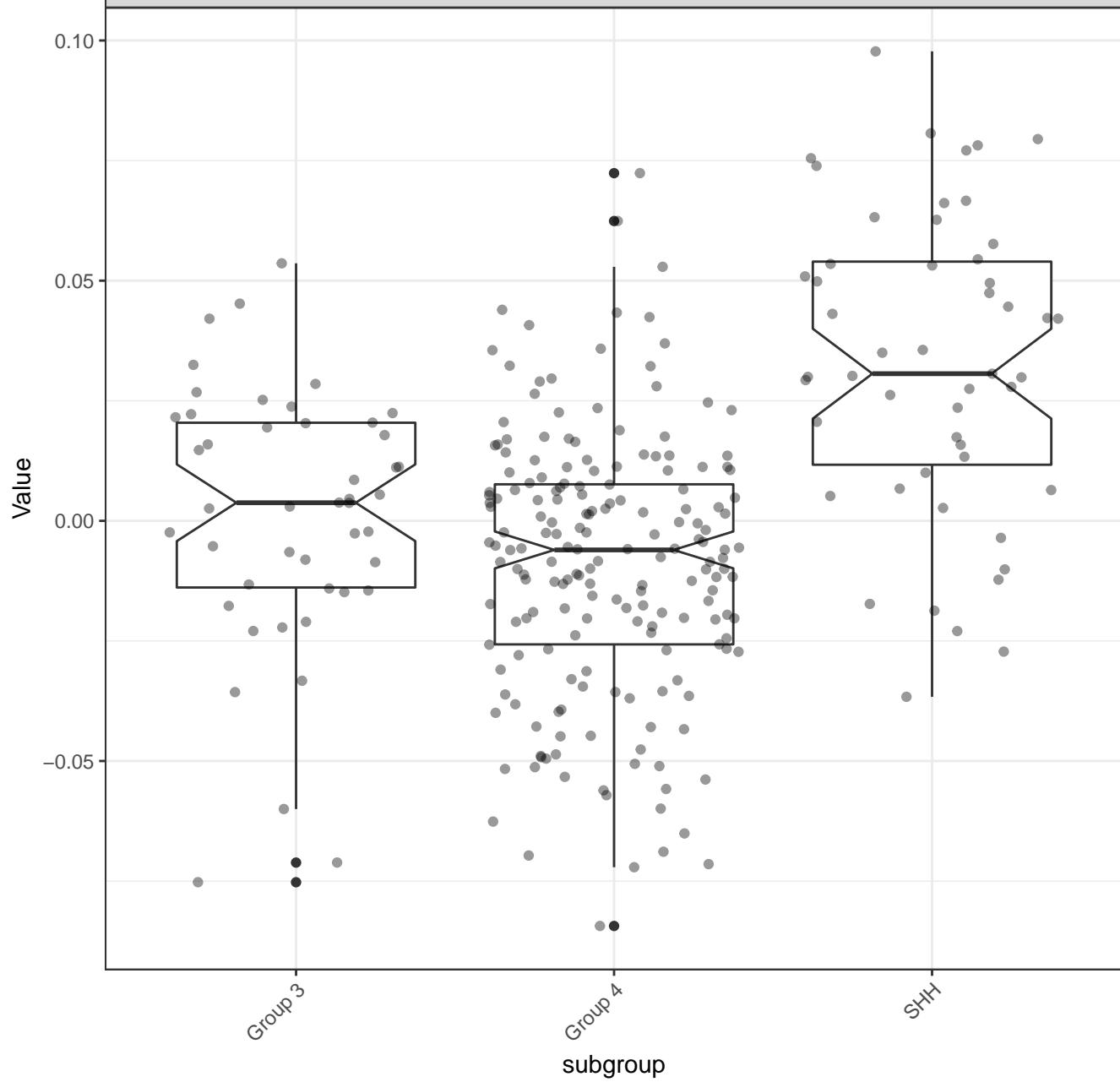




LV 344



LV 345



LV 346

Value

0.10

0.05

0.00

-0.05

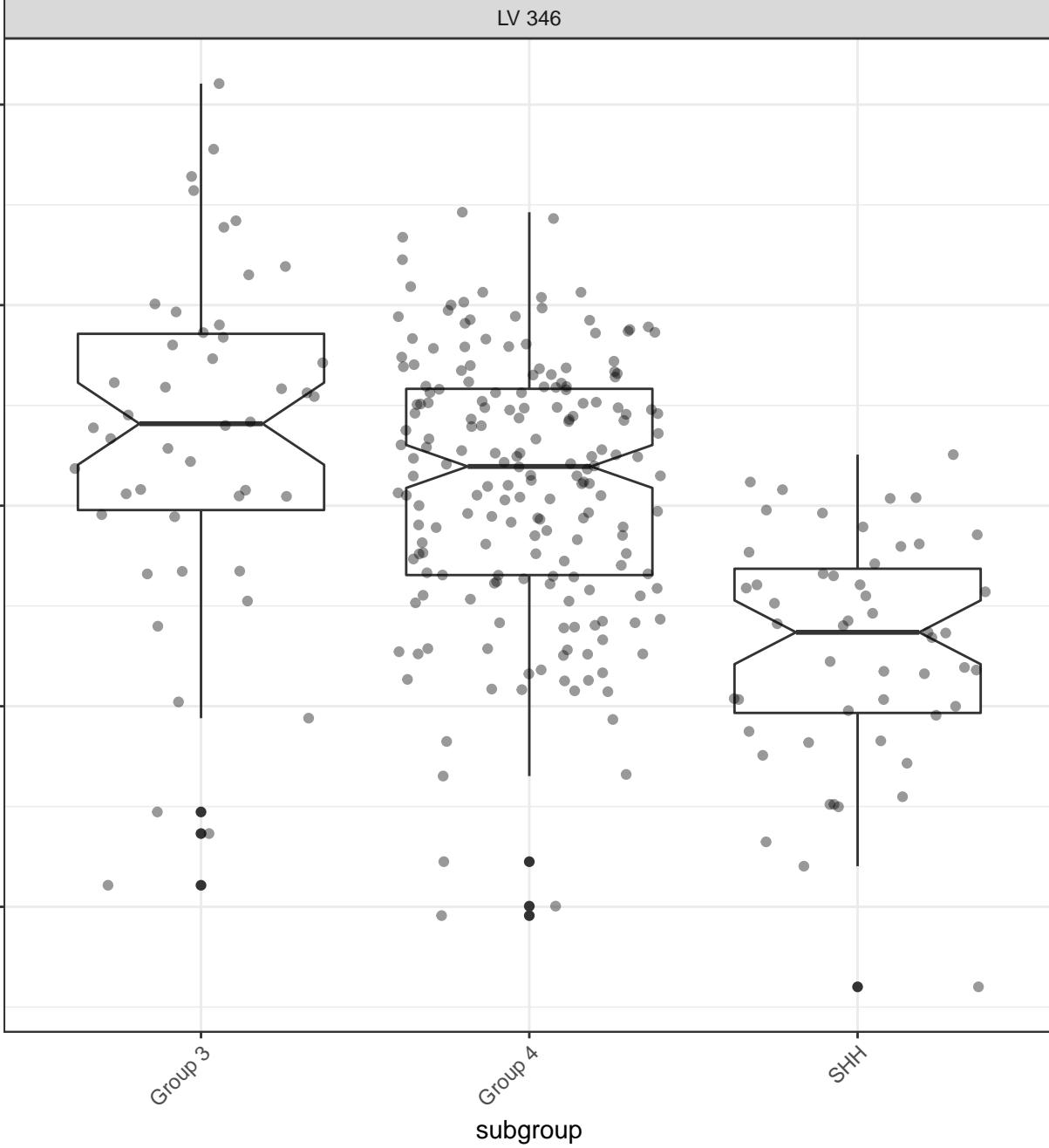
-0.10

Group 3

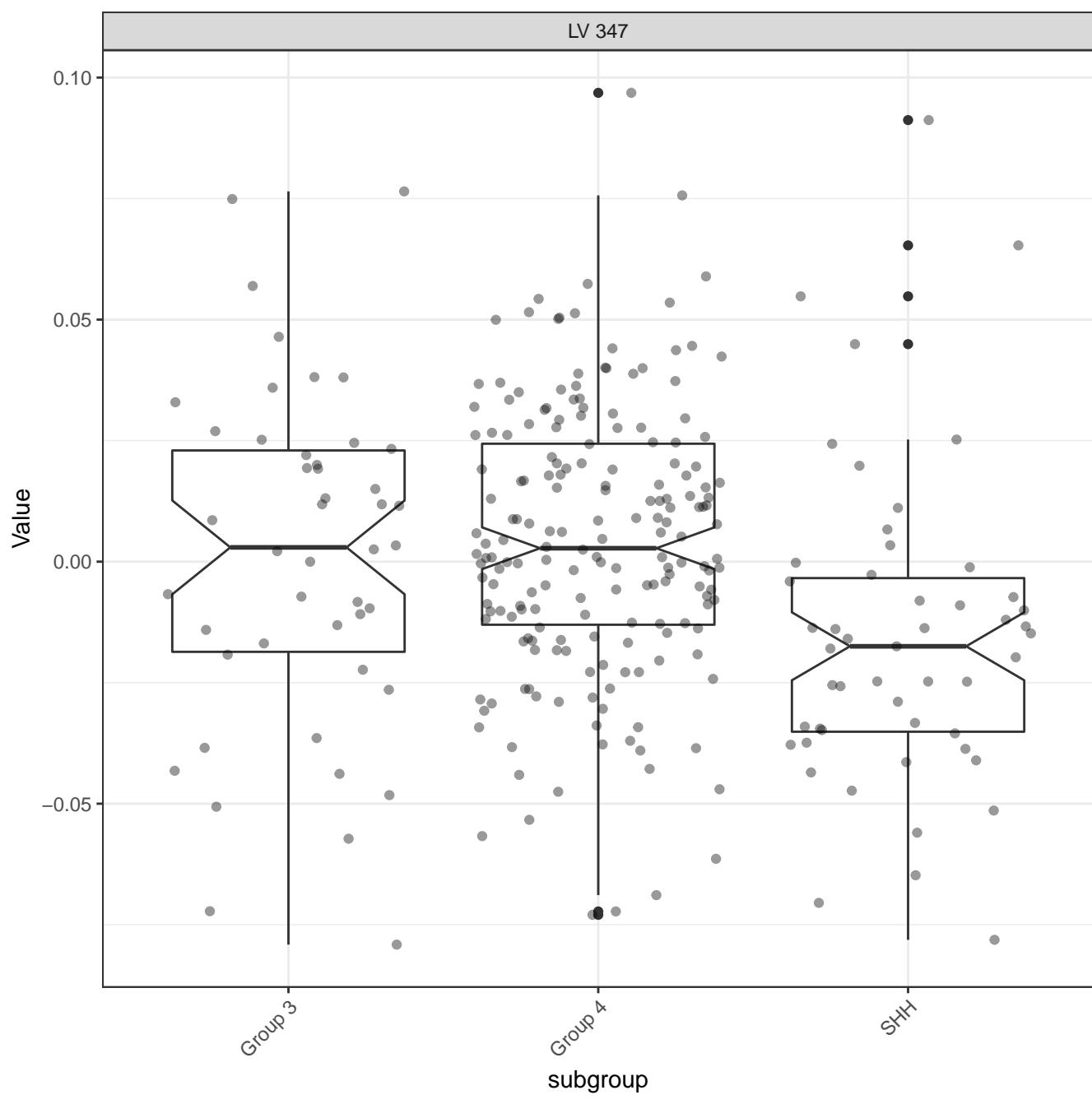
Group 4

SHH

subgroup



LV 347



LV 348

Vvalue

0.10

0.05

0.00

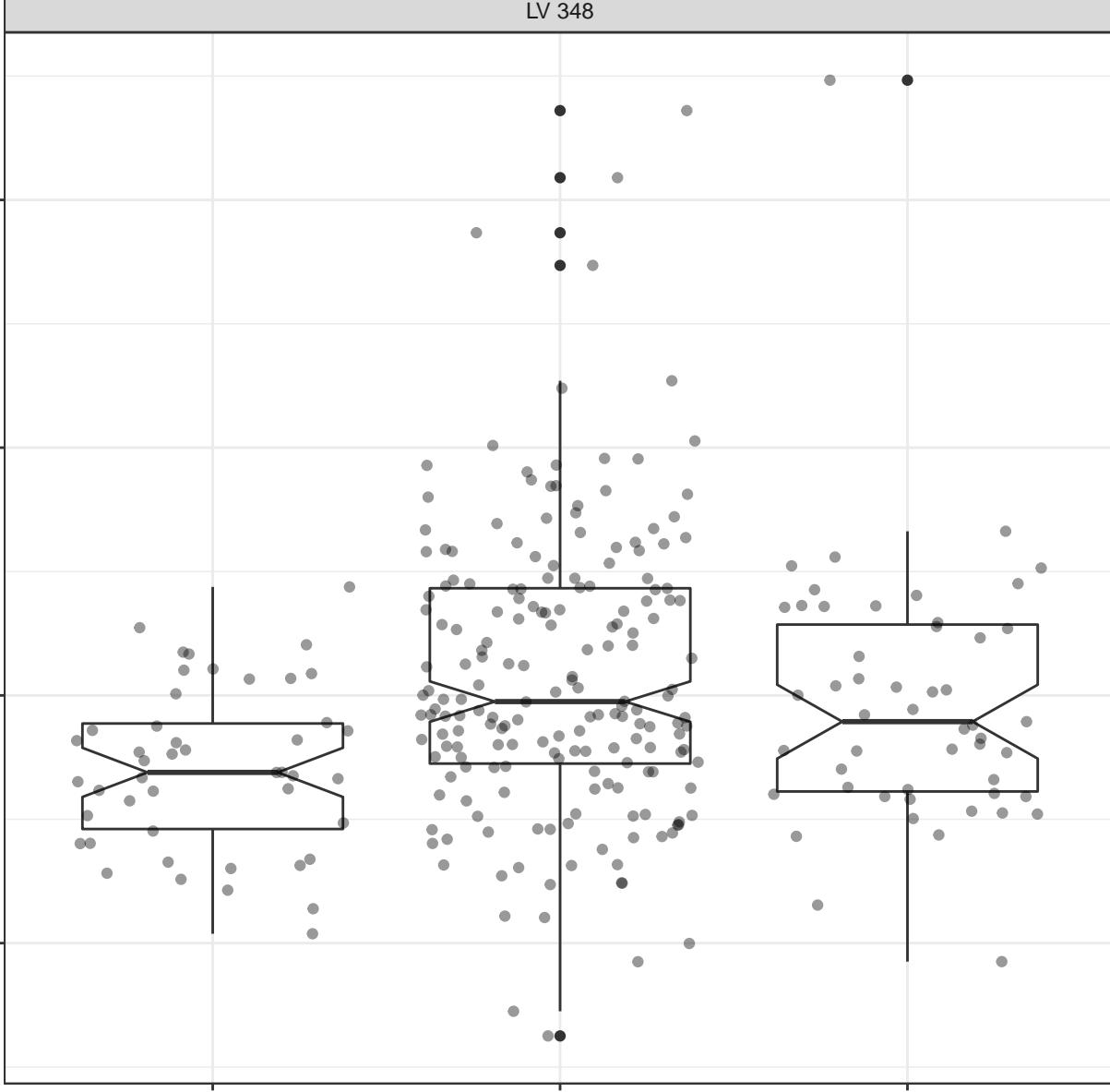
-0.05

Group 3

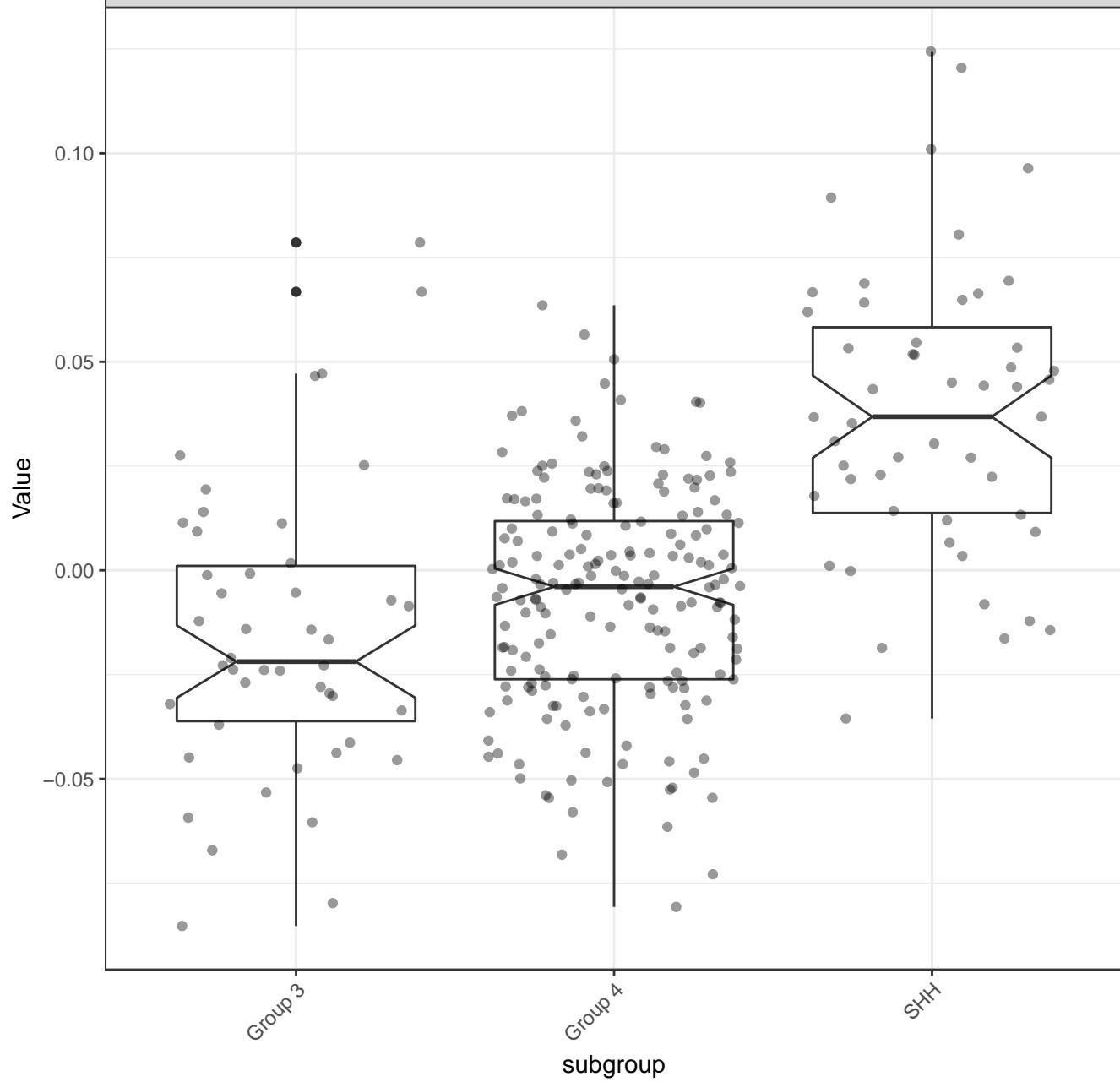
subgroup

Group 4

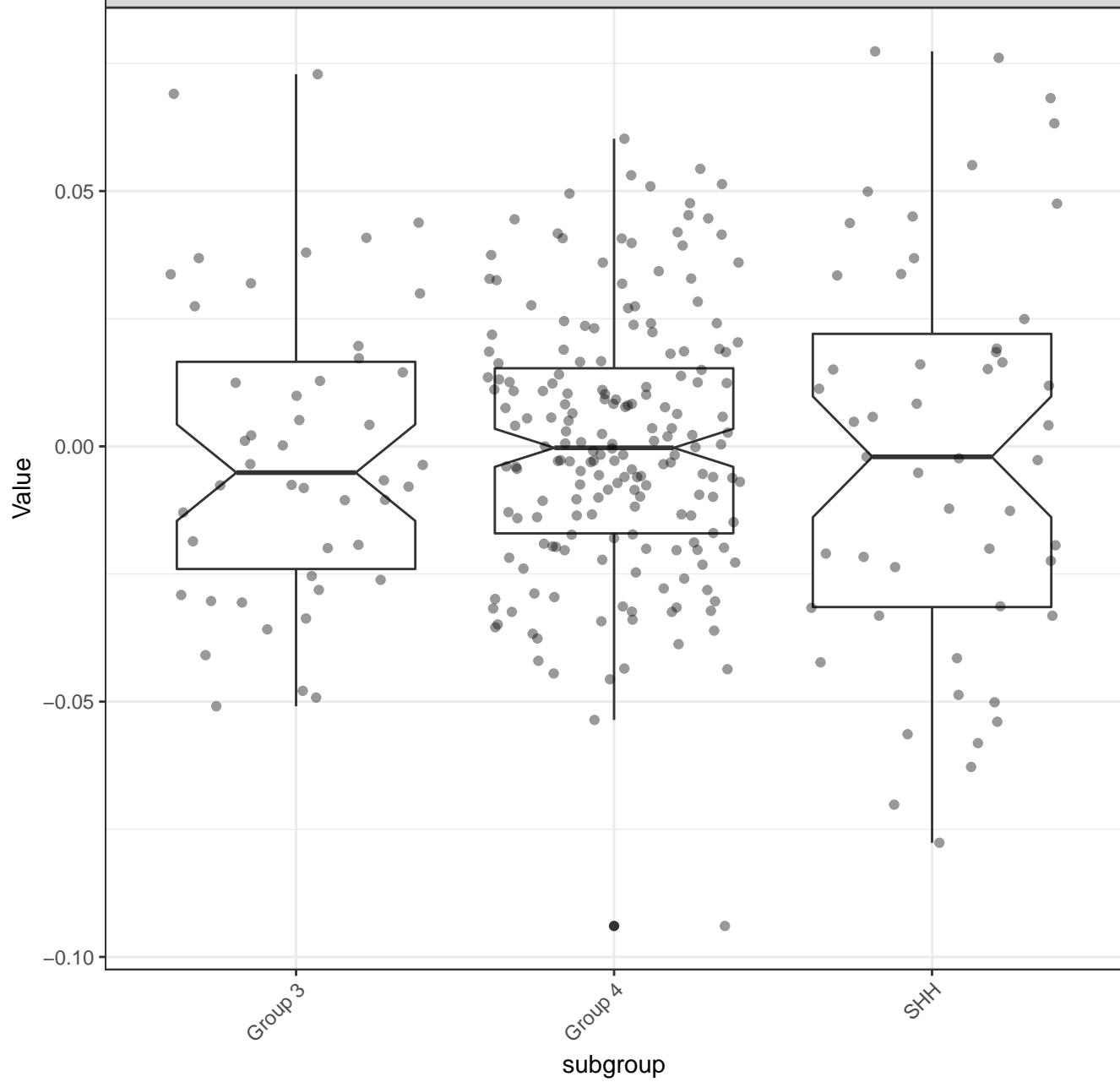
SHH



LV 349



LV 350



Value

0.10

0.05

0.00

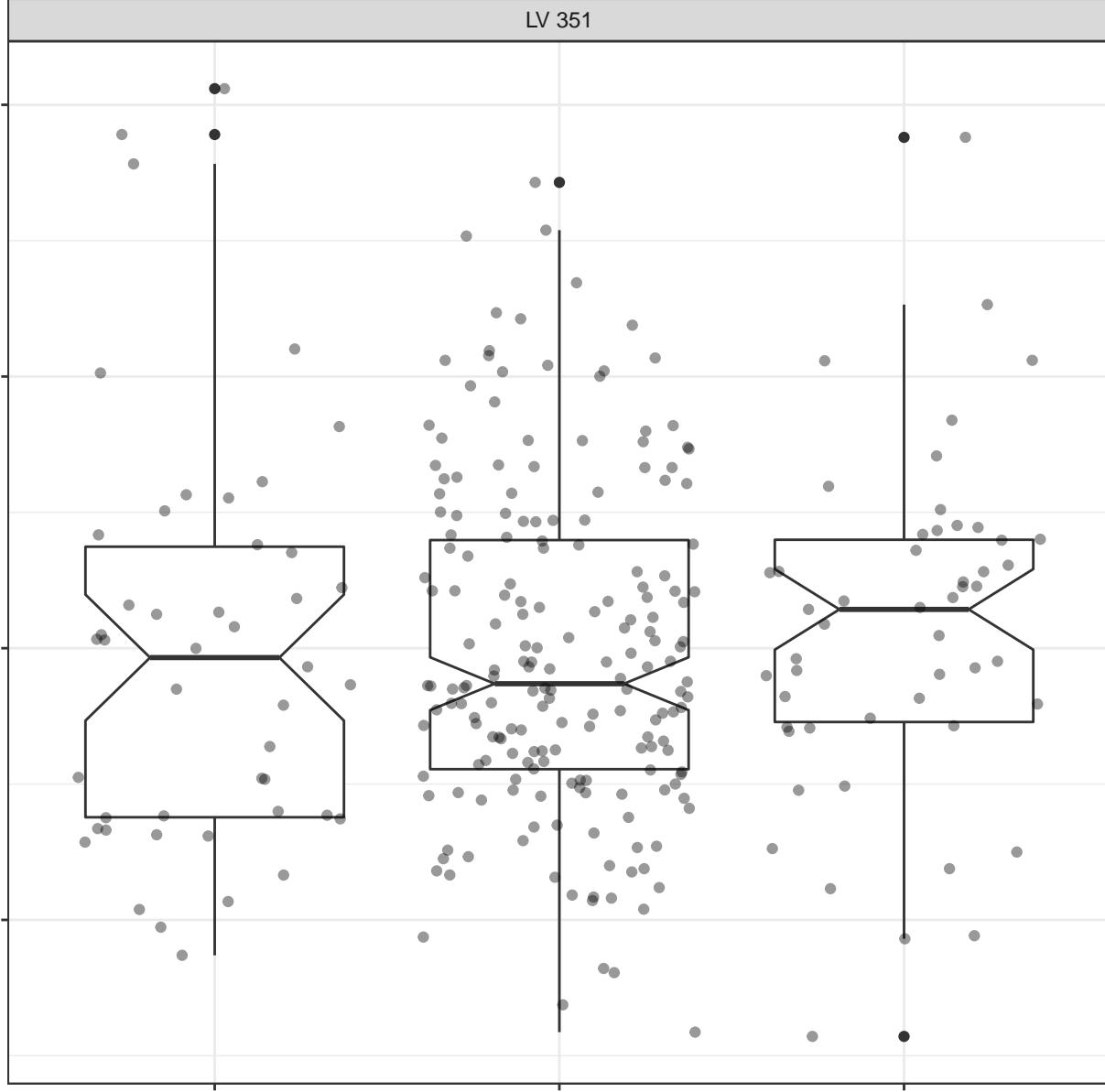
-0.05

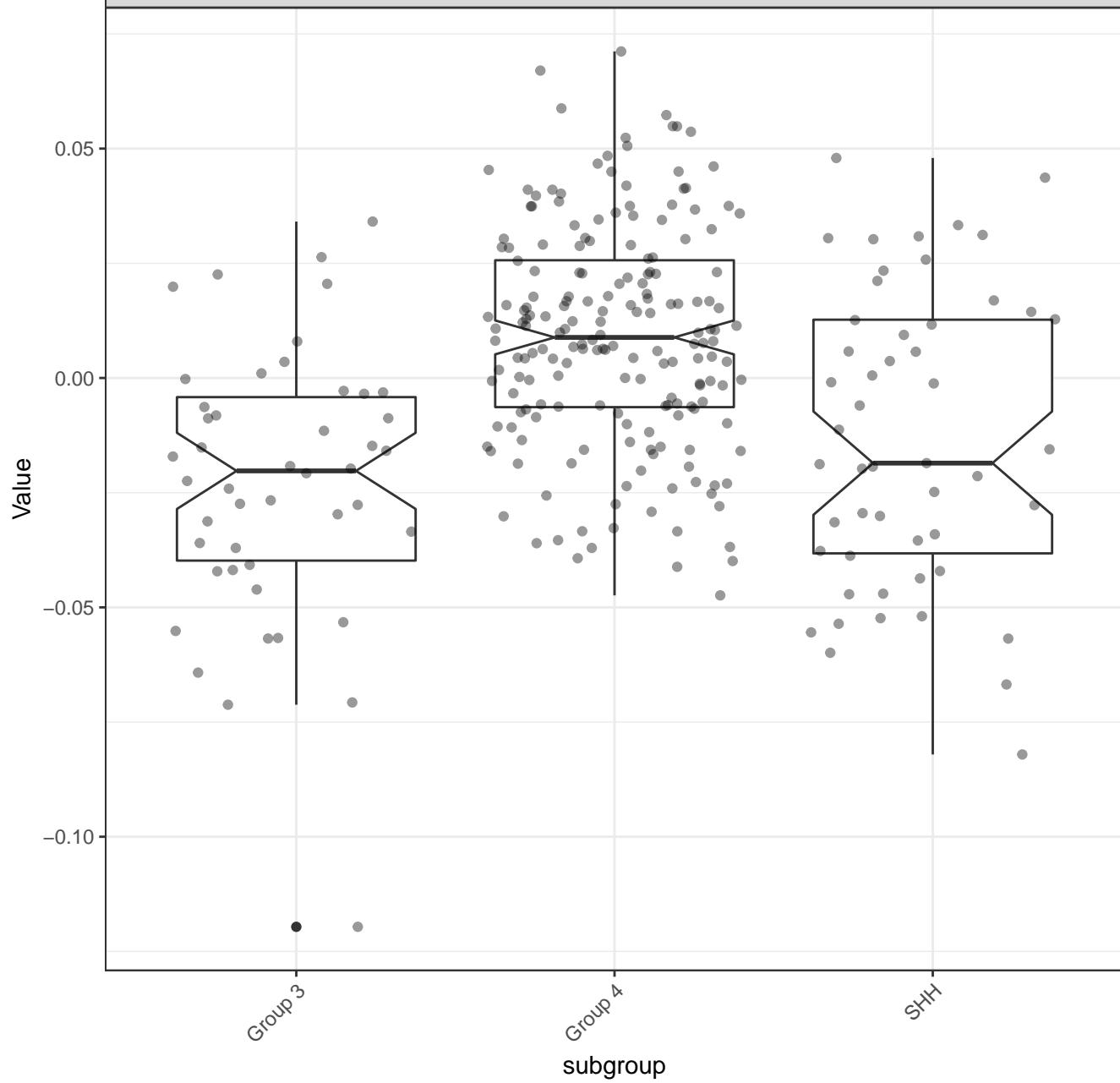
Group 3

subgroup

Group 4

SHH





LV 353

Value

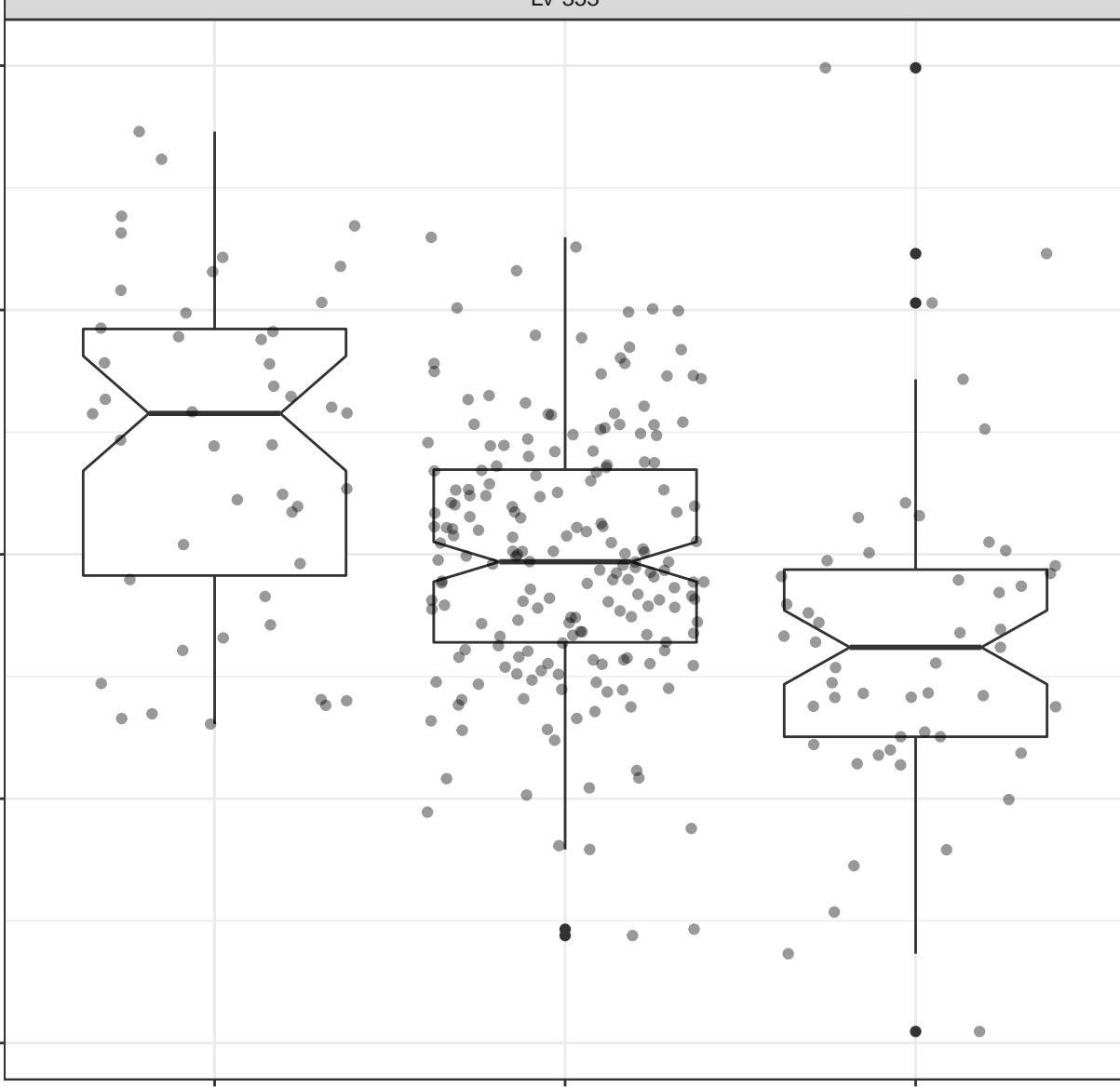
0.10
0.05
0.00
-0.05
-0.10

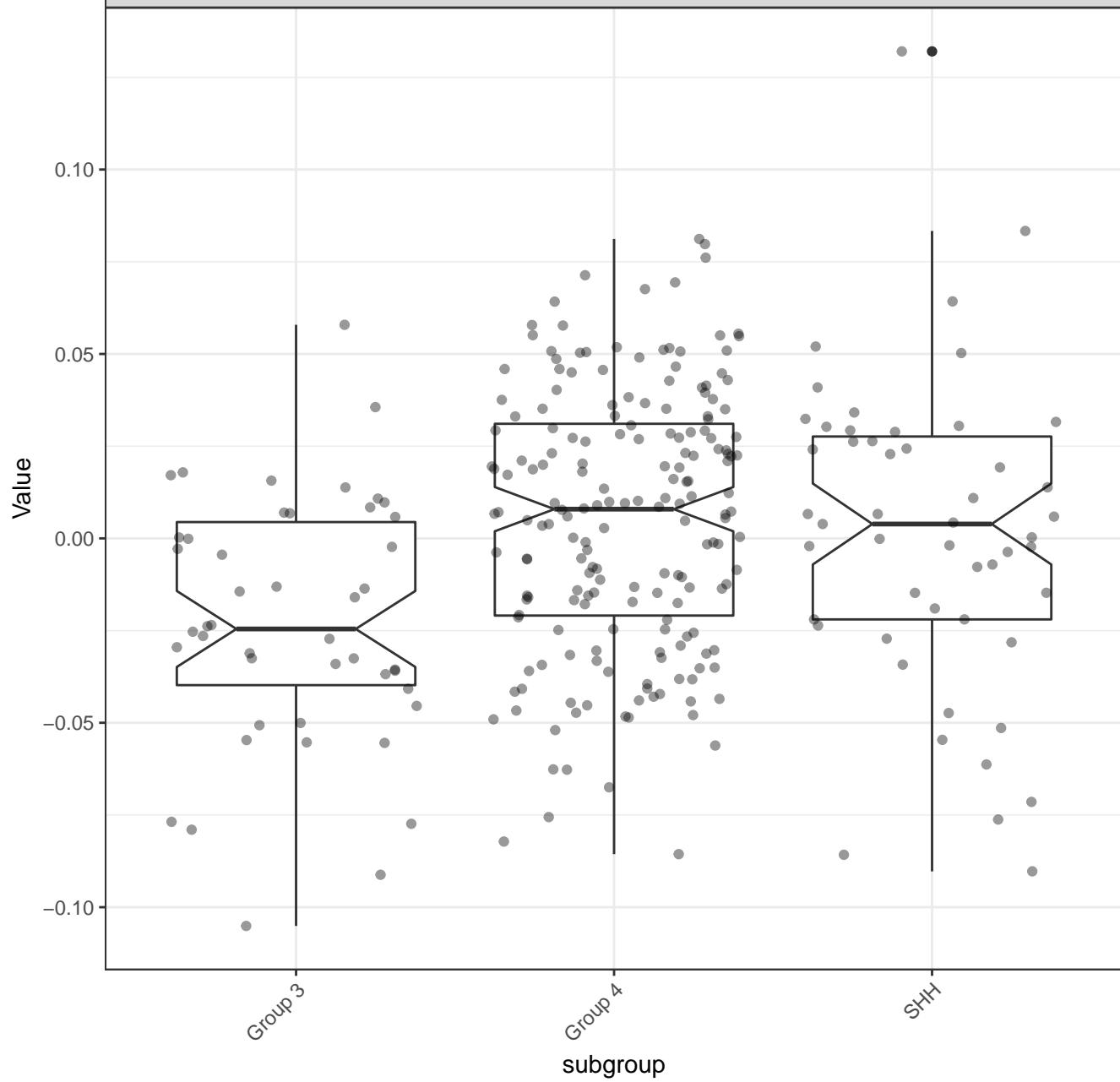
Group 3

Group 4

SHH

subgroup





LV 355

Value

0.10

0.05

0.00

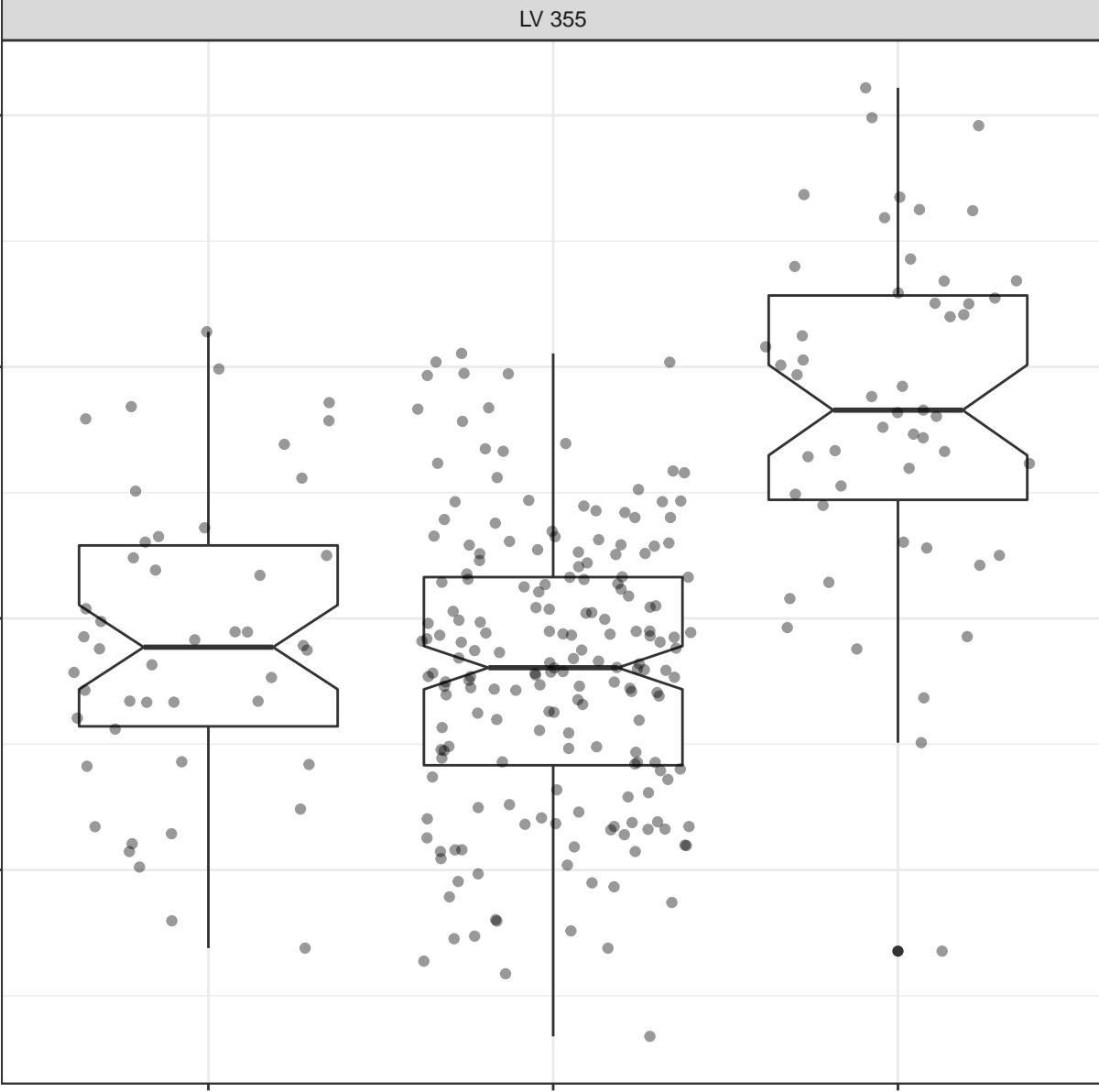
-0.05

Group 3

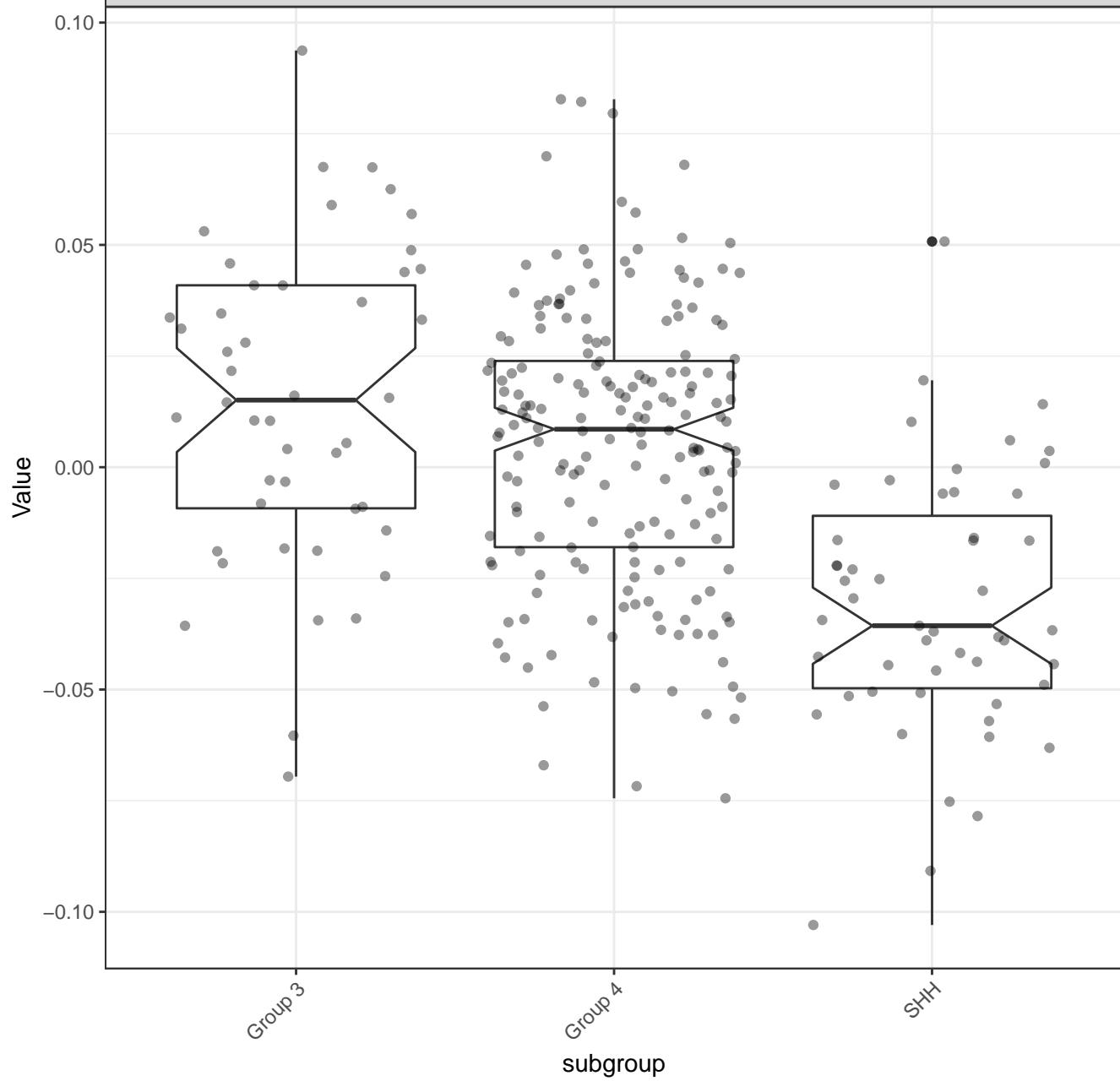
Group 4

SHH

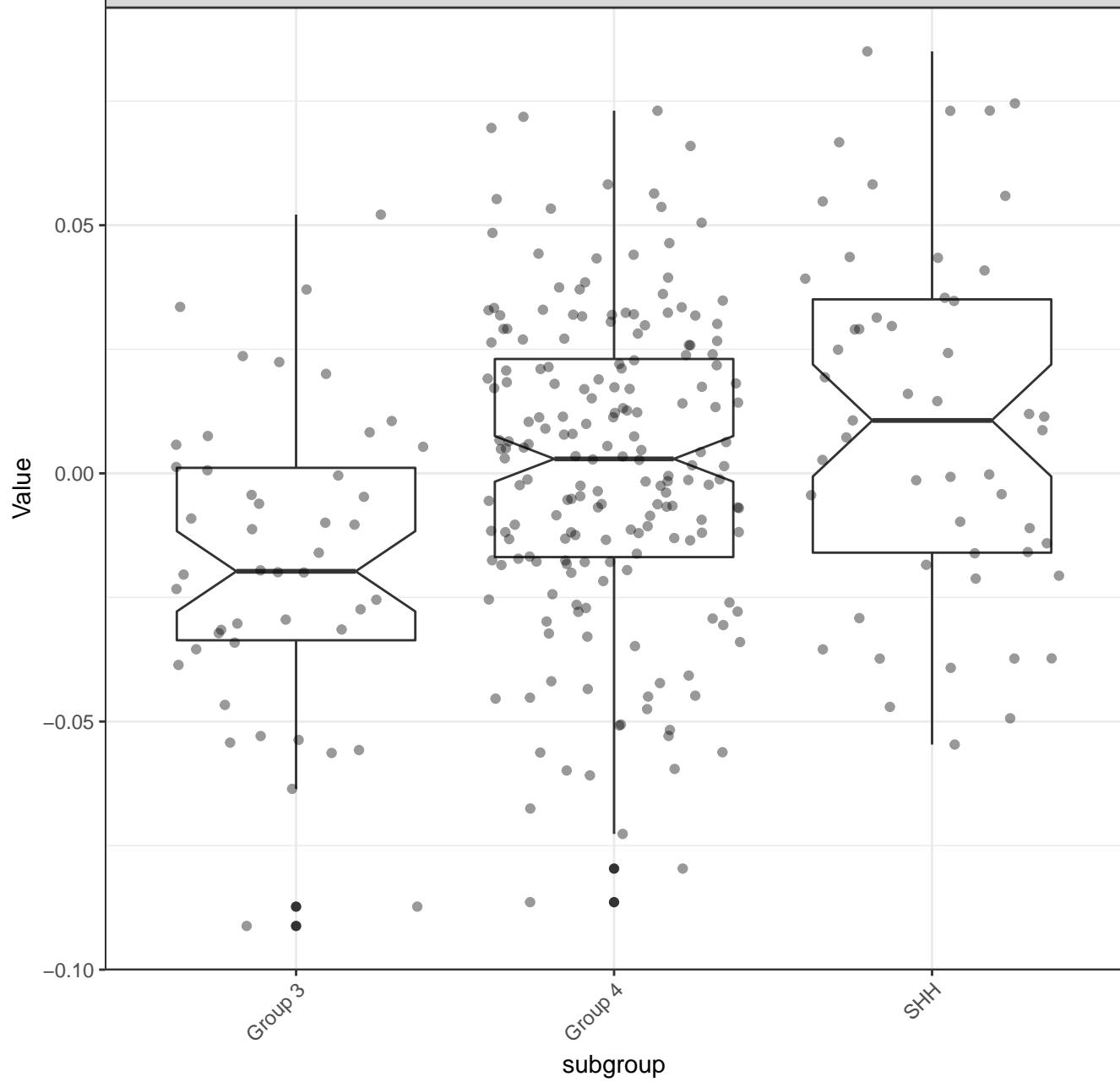
subgroup



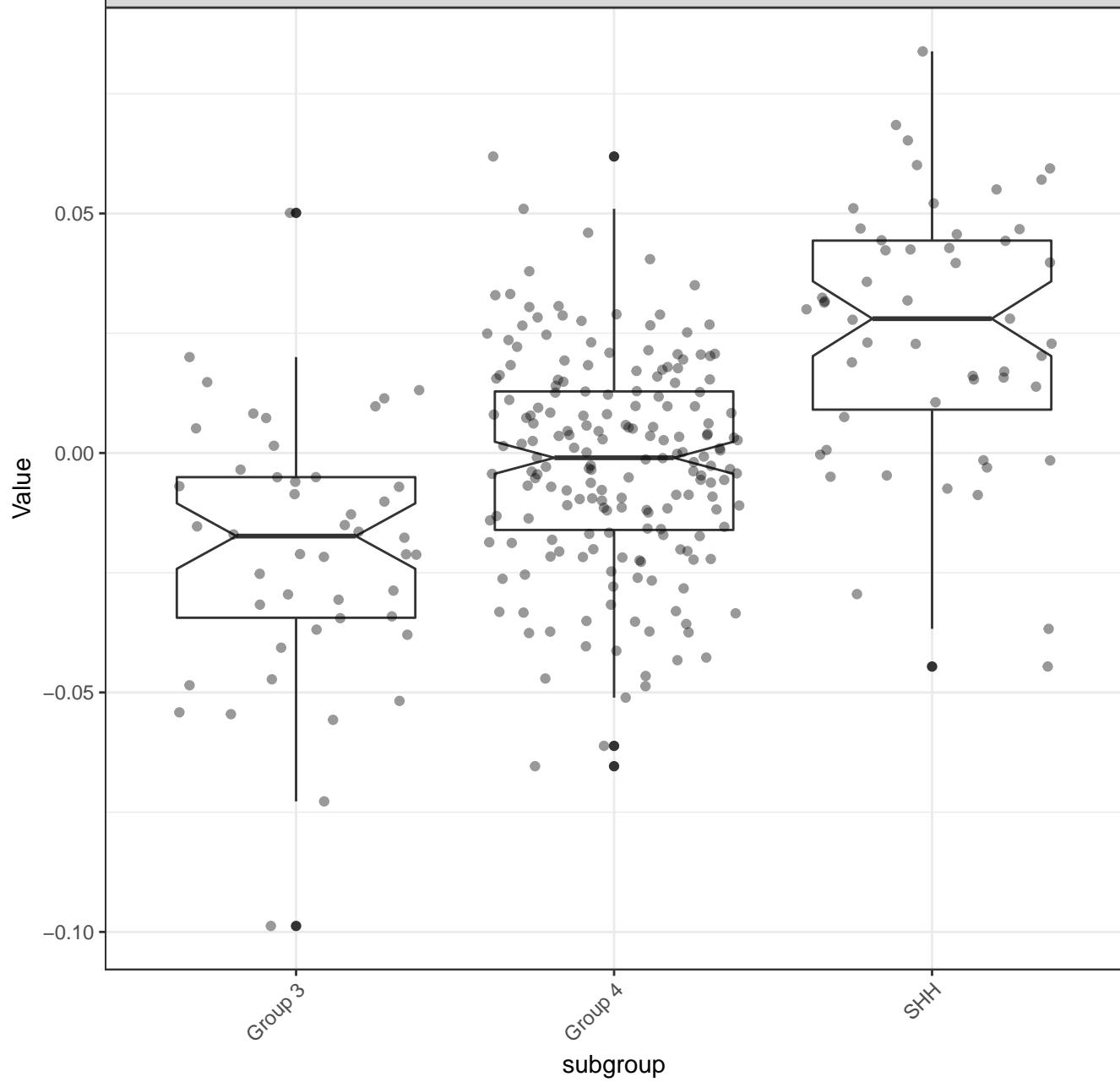
356,REACTOME_TRANSCRITIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER



LV 357



LV 358



Value

0.05

0.00

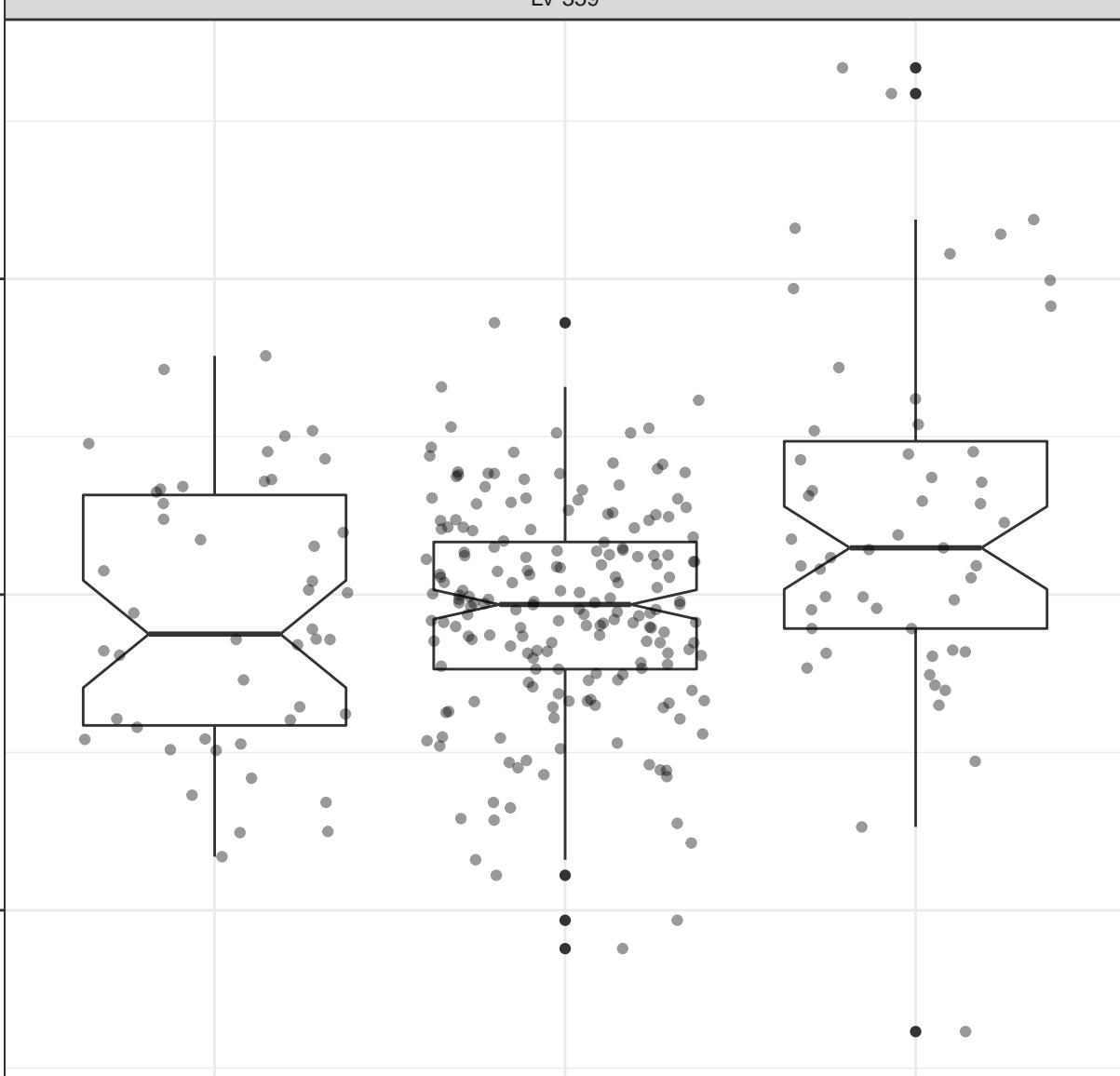
-0.05

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

-0.05

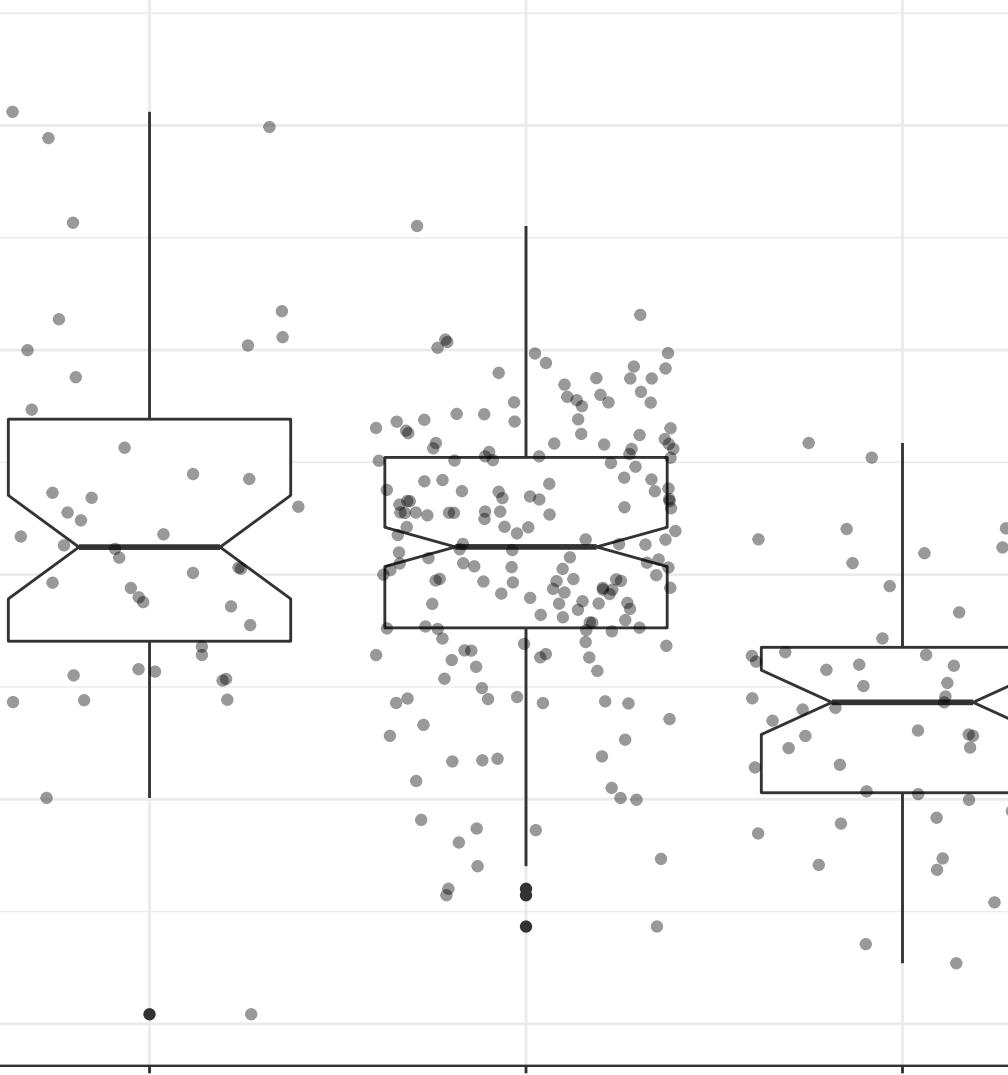
-0.10

Group 3

subgroup

SHH

Group 4



LV 361

Value

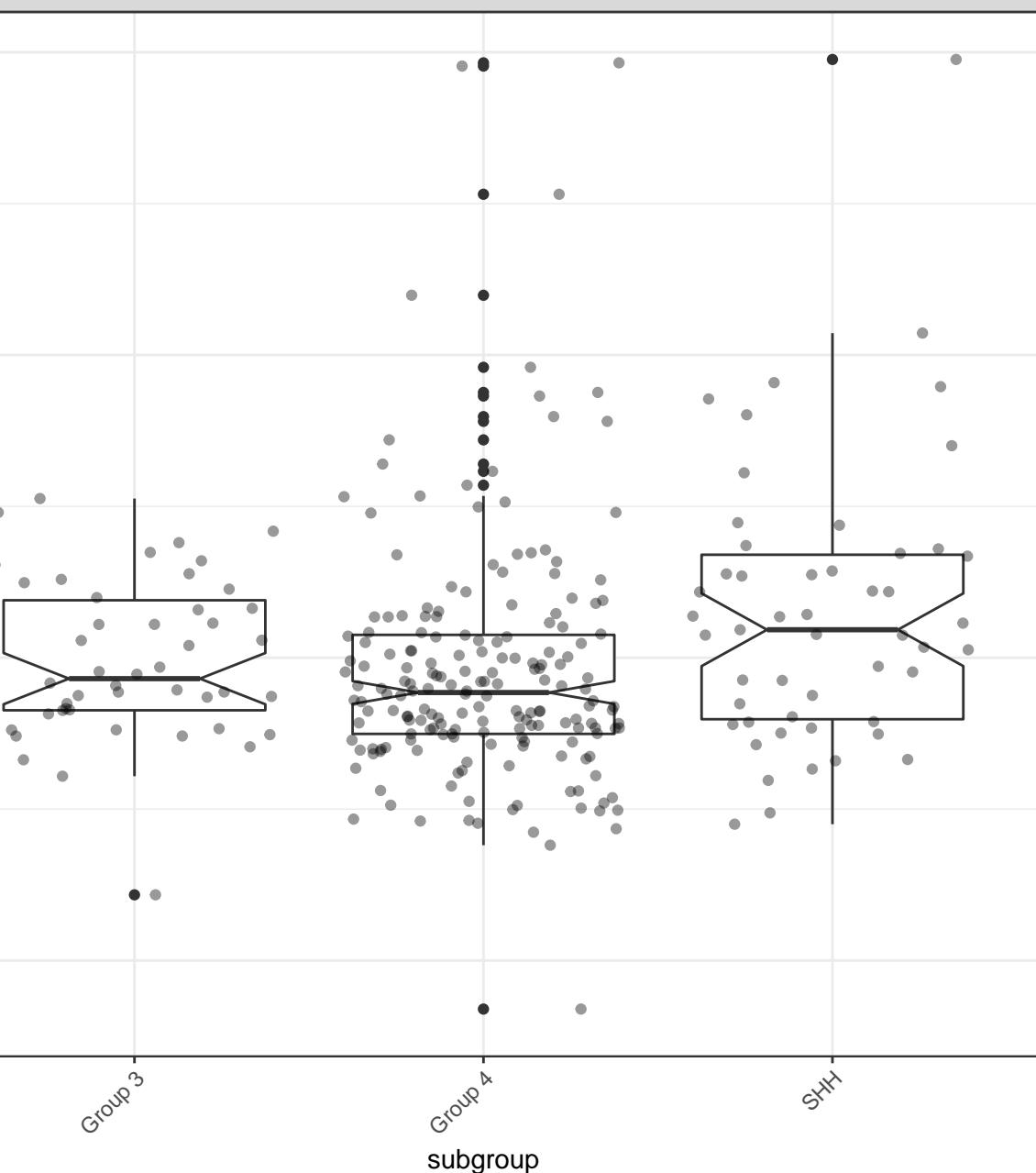
0.2
0.1
0.0
-0.1

Group 3

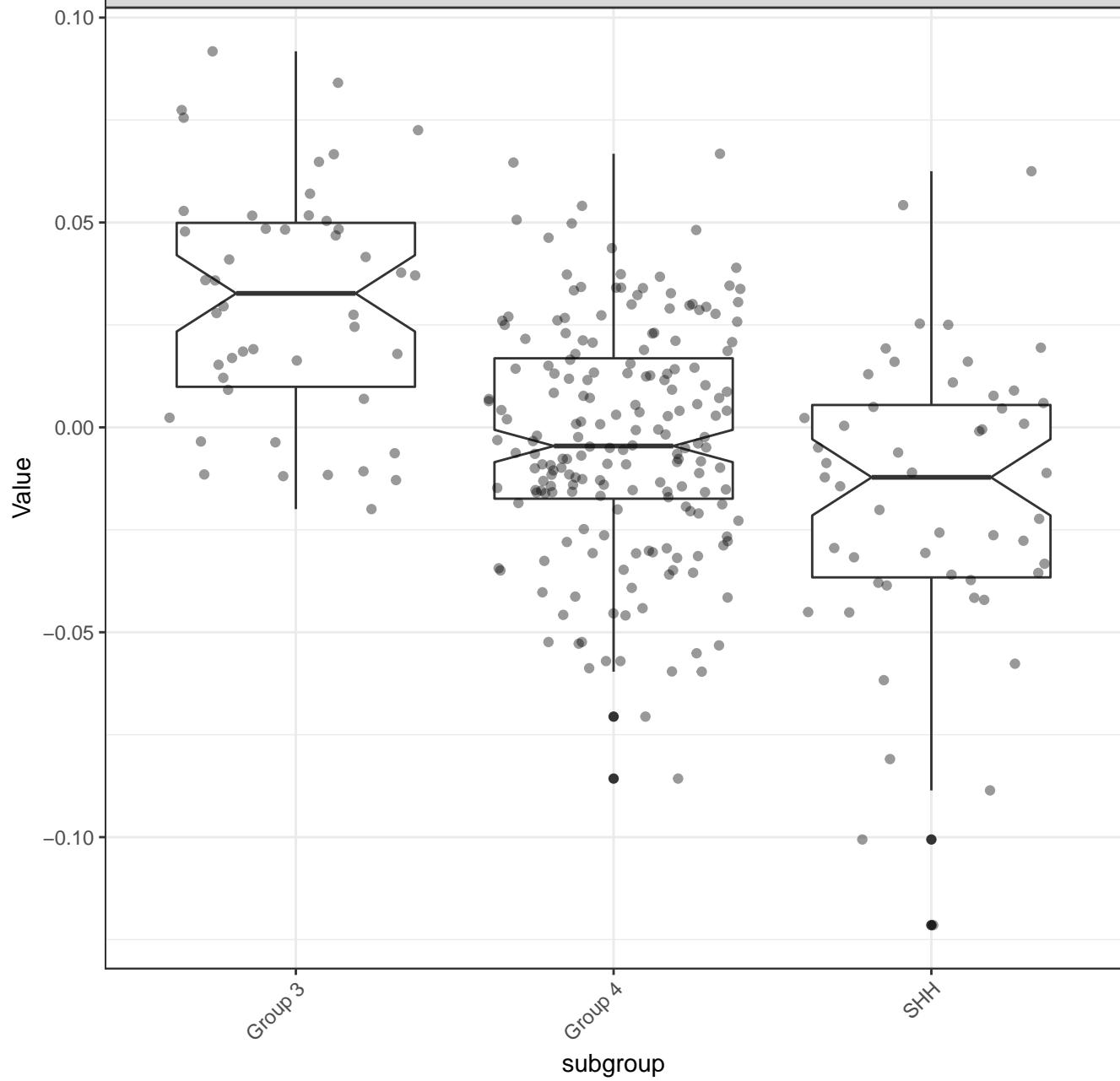
Group 4

SHH

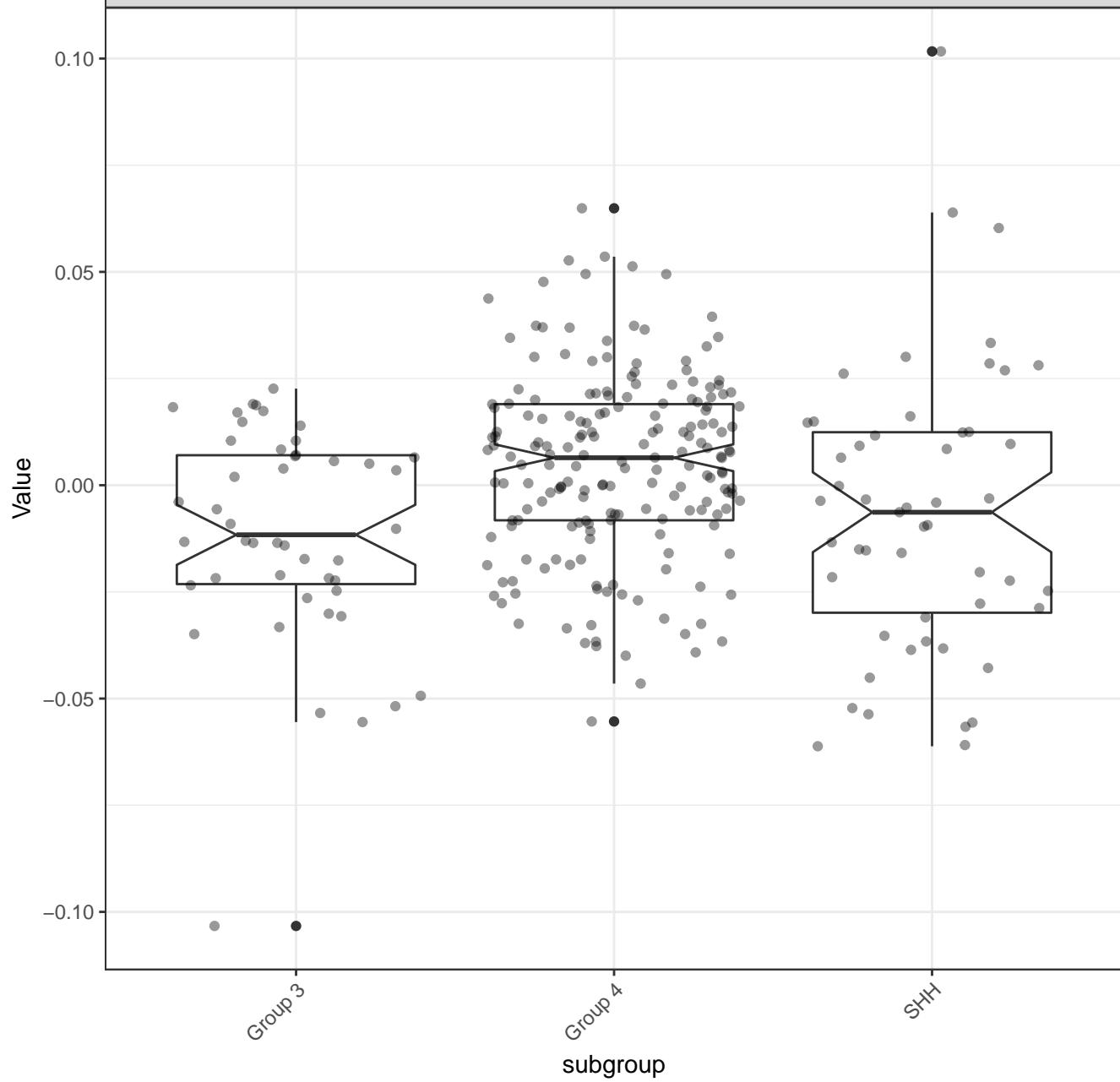
subgroup



LV 362



LV 363



LV 364

Value

0.10

0.05

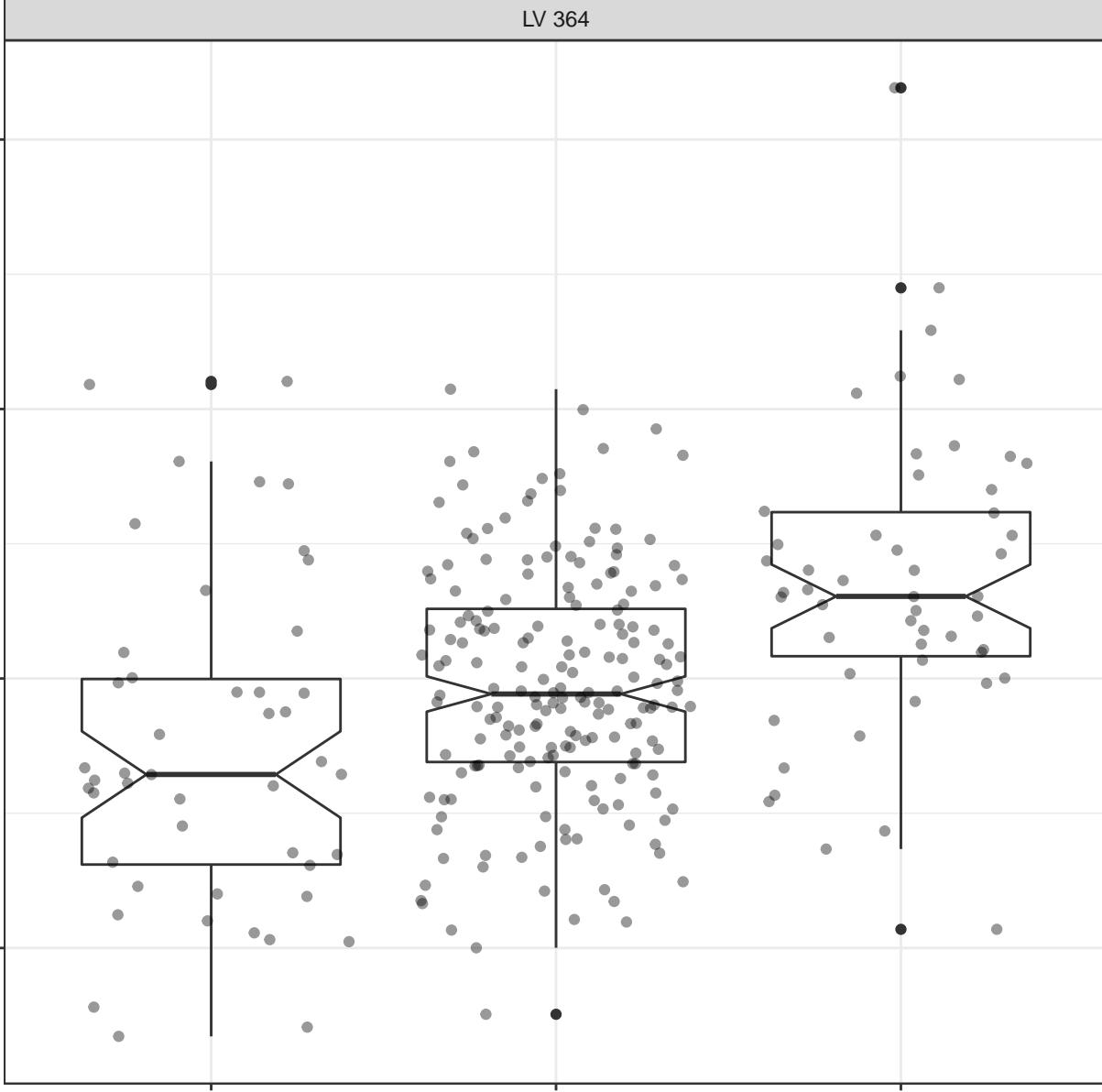
0.00

-0.05

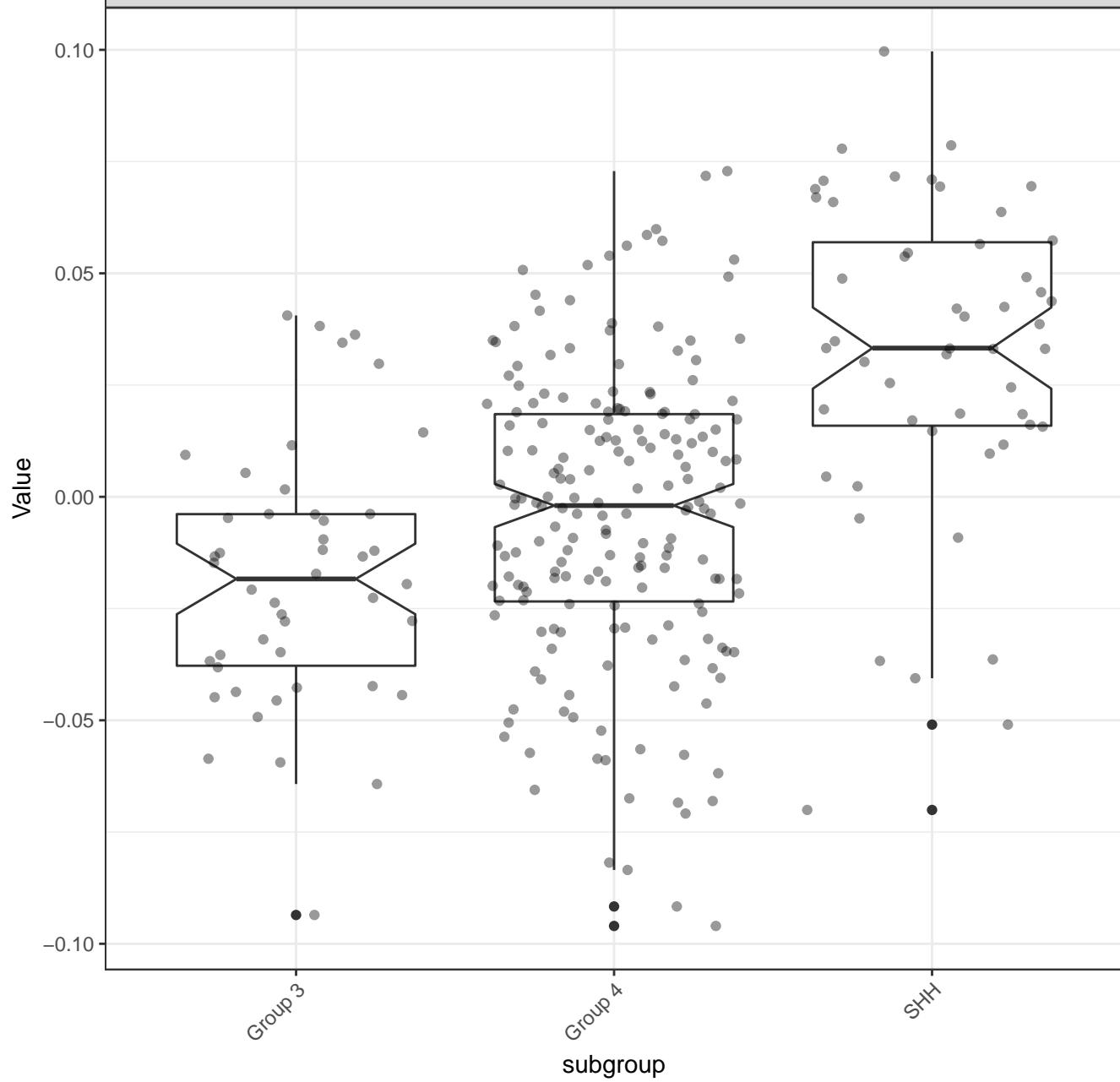
Group 3

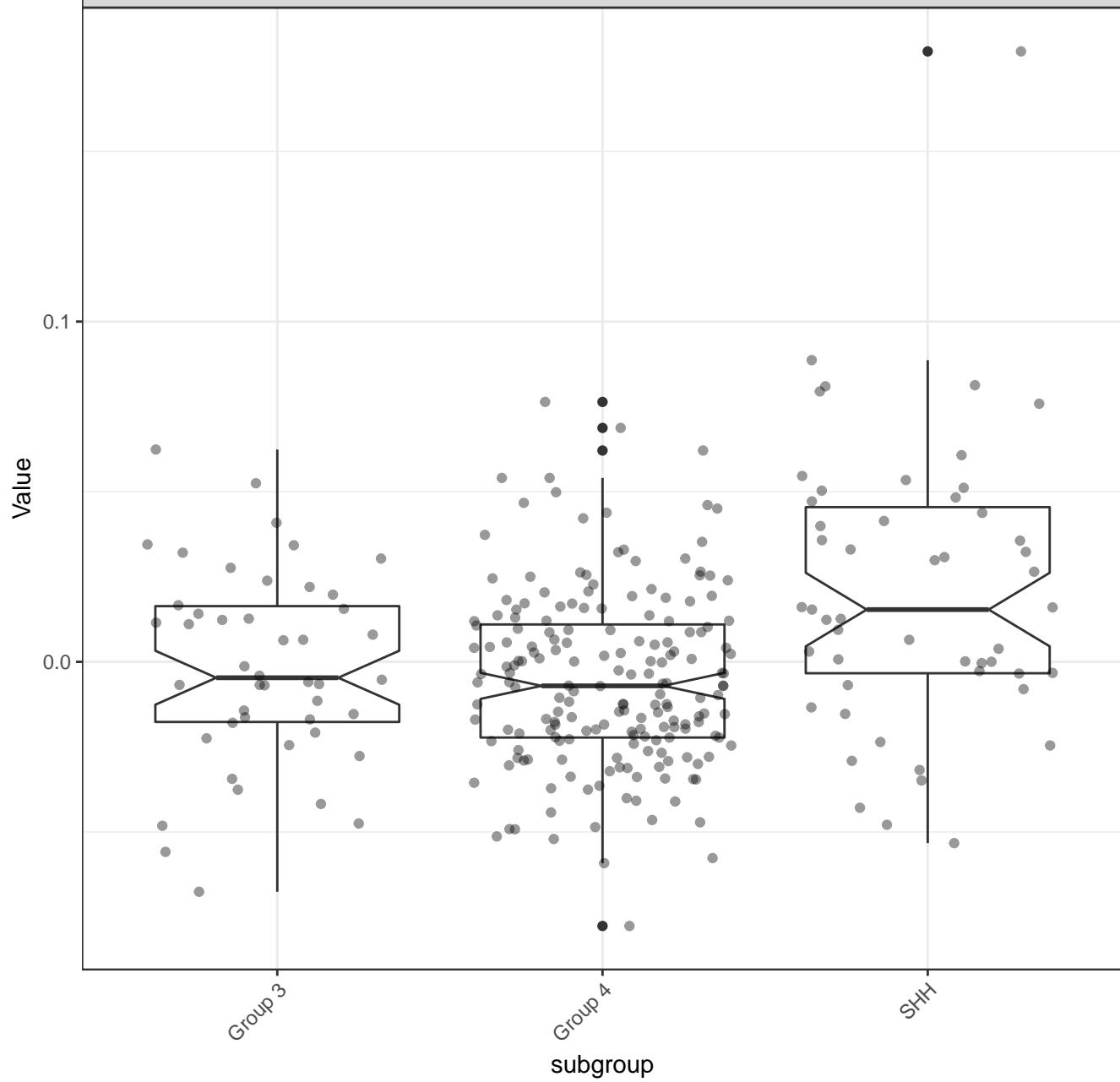
subgroup

SHH

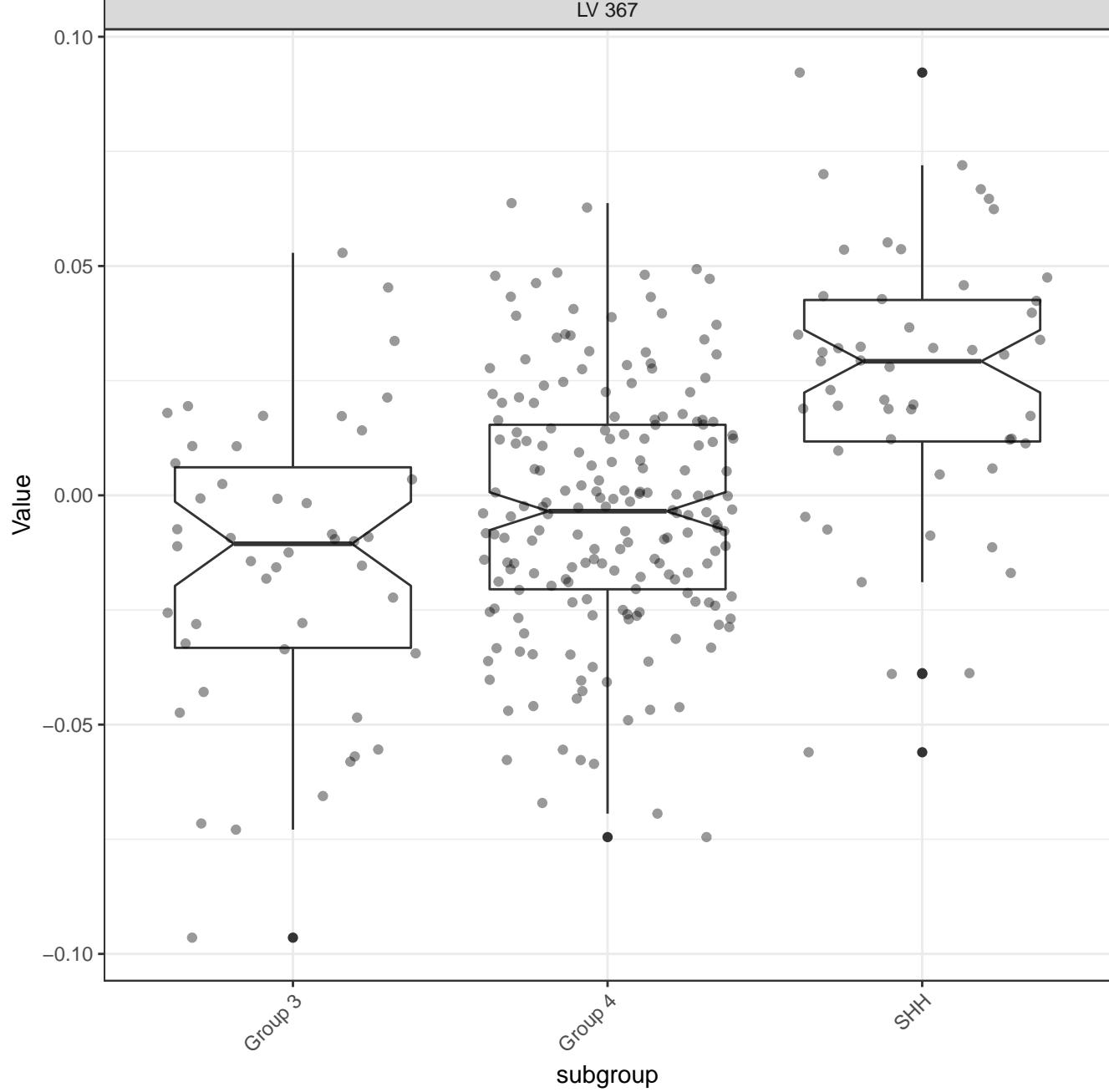


LV 365





LV 367



LV 368

Value

0.10

0.05

0.00

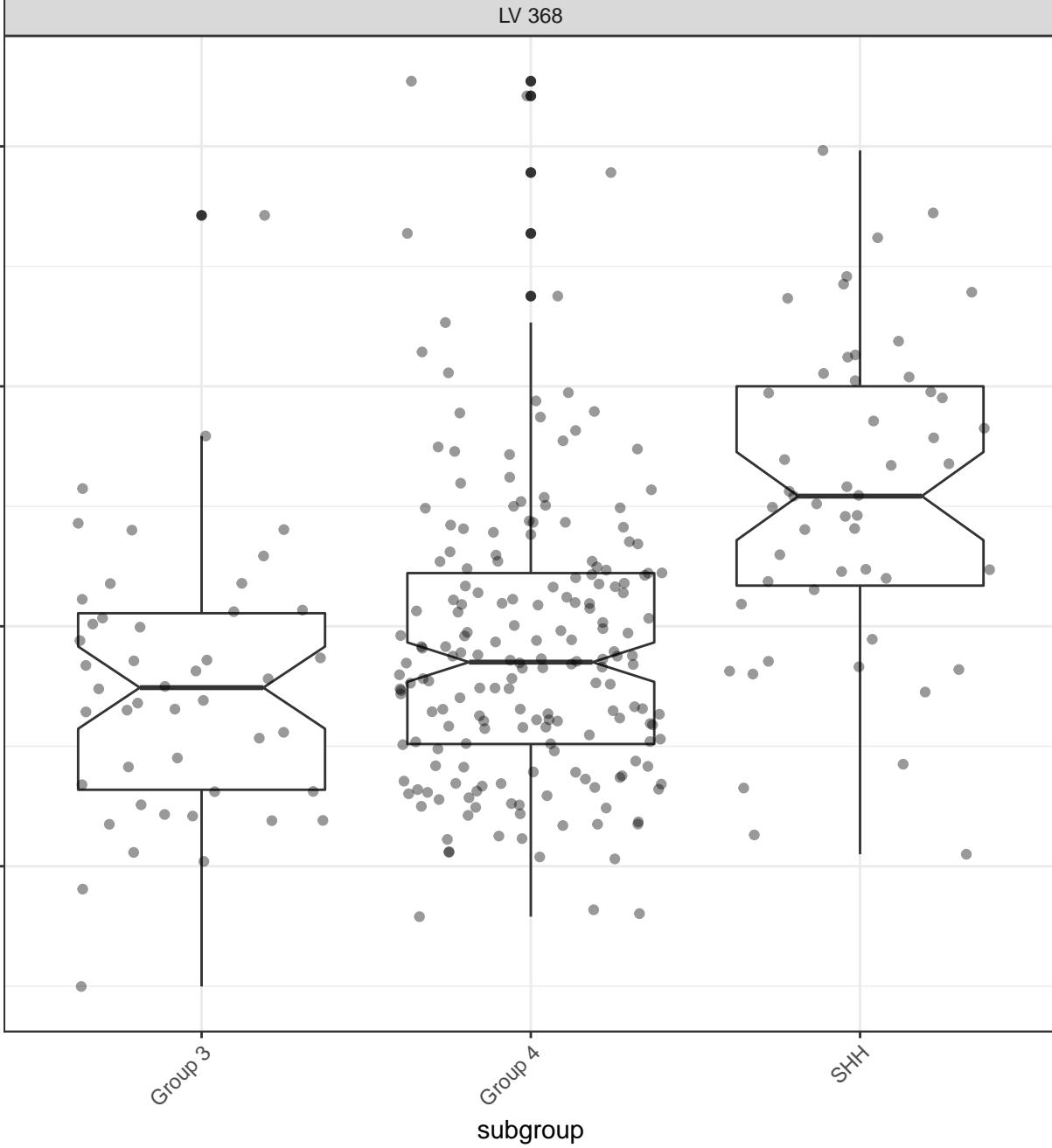
-0.05

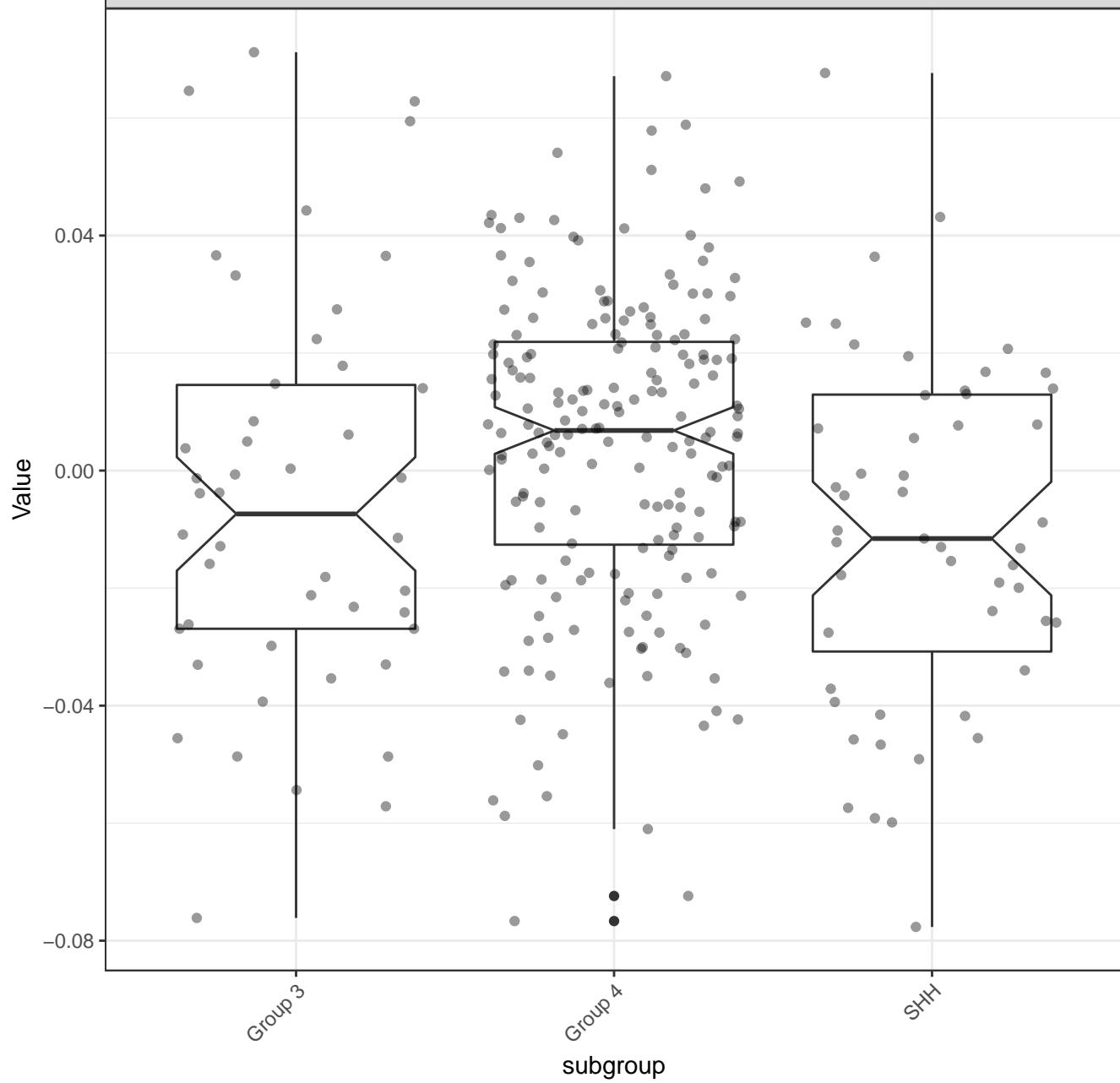
Group 3

Group 4

SHH

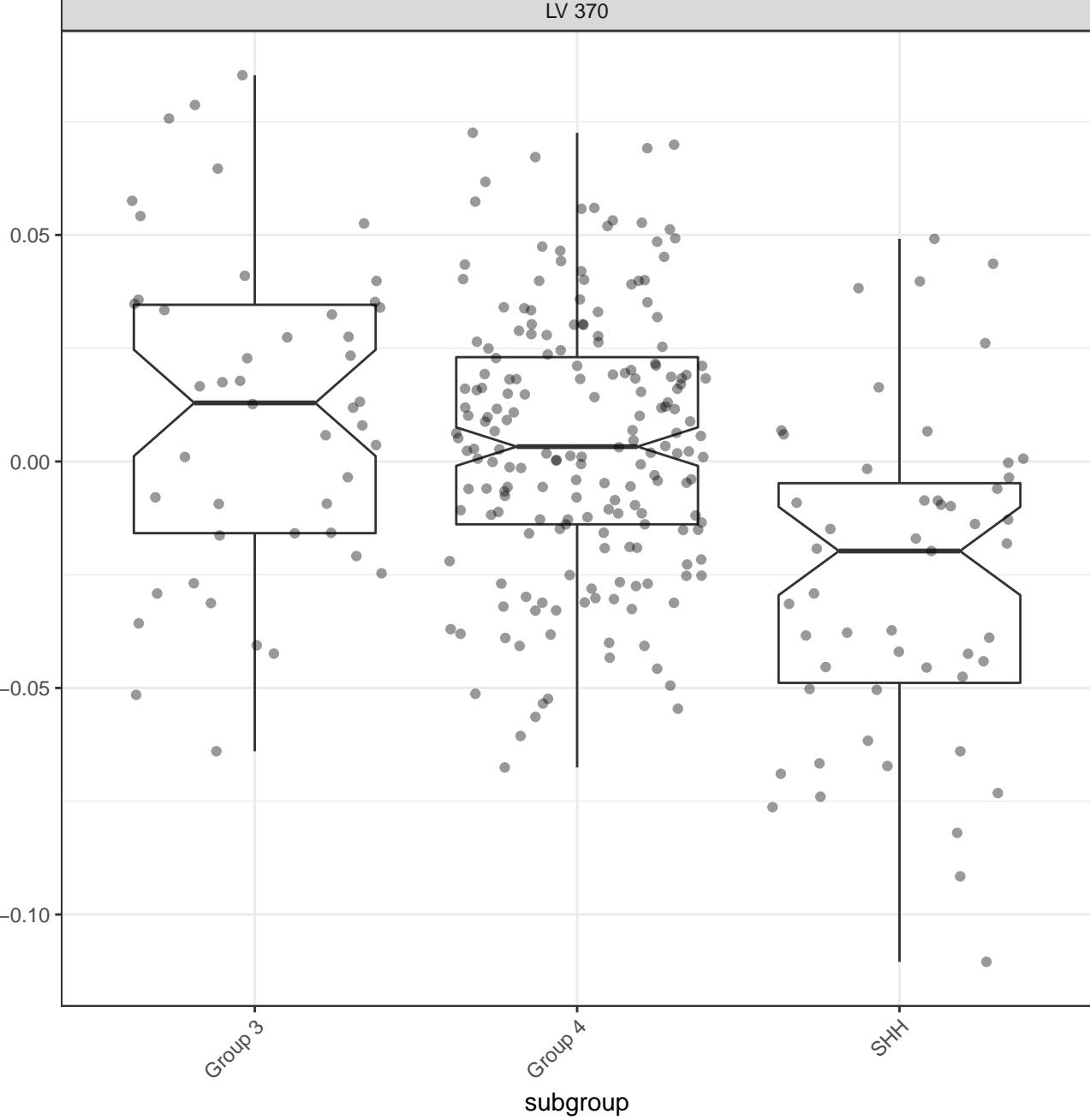
subgroup





LV 370

Value



LV 371

Value

0.1

0.0

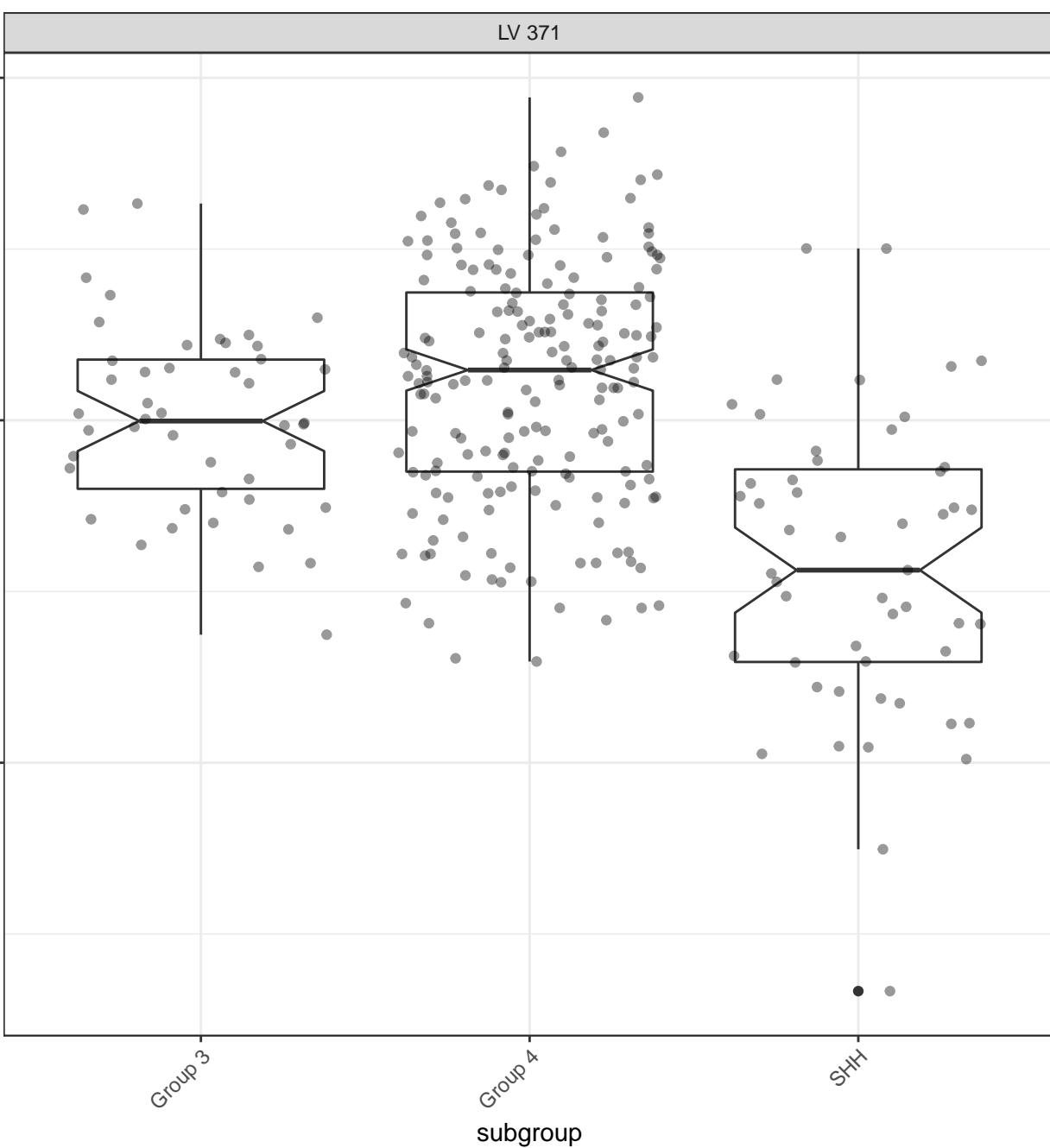
-0.1

Group³

Group⁴

SHH

subgroup



LV 372

Value

0.05

0.00

-0.05

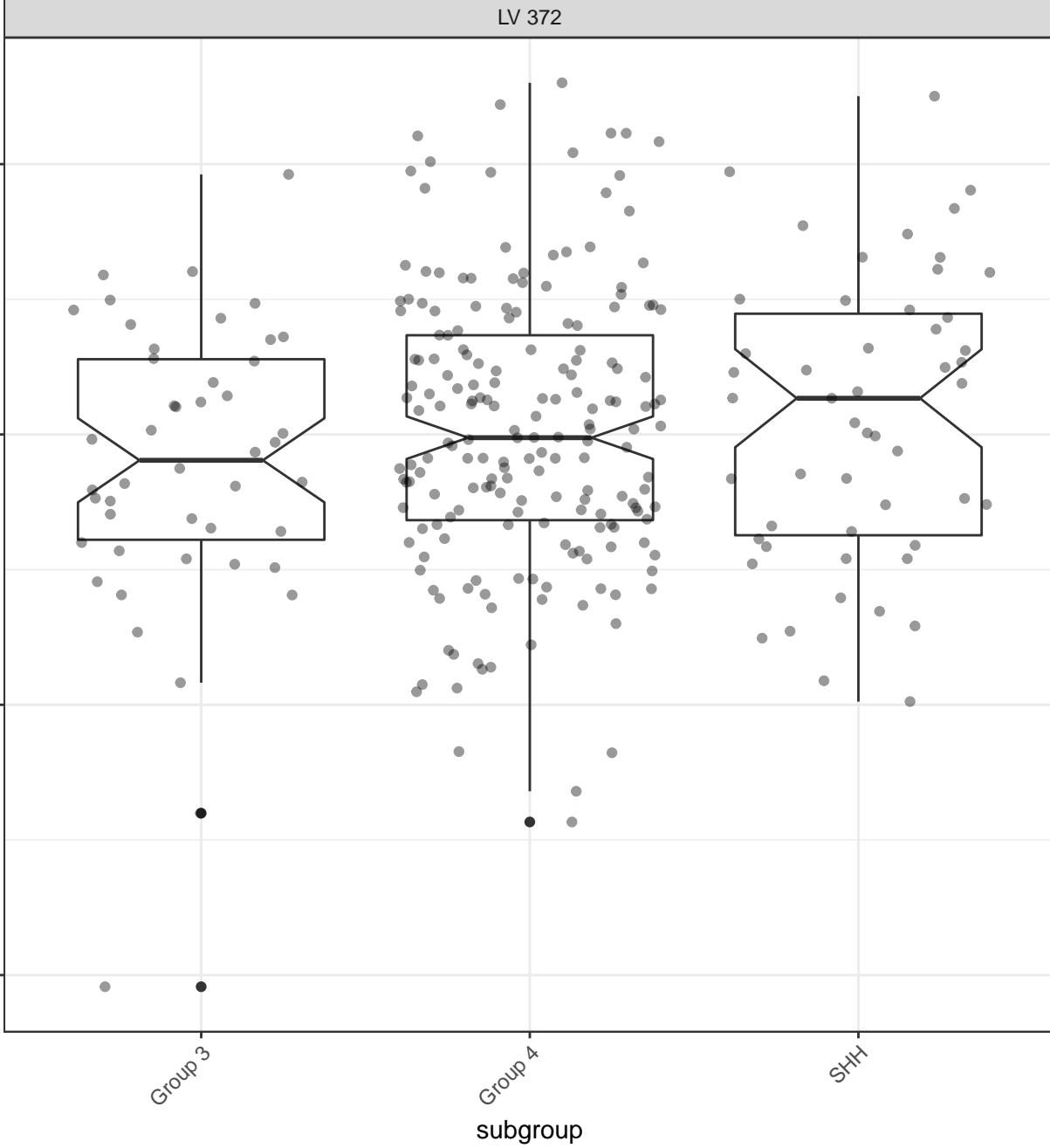
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

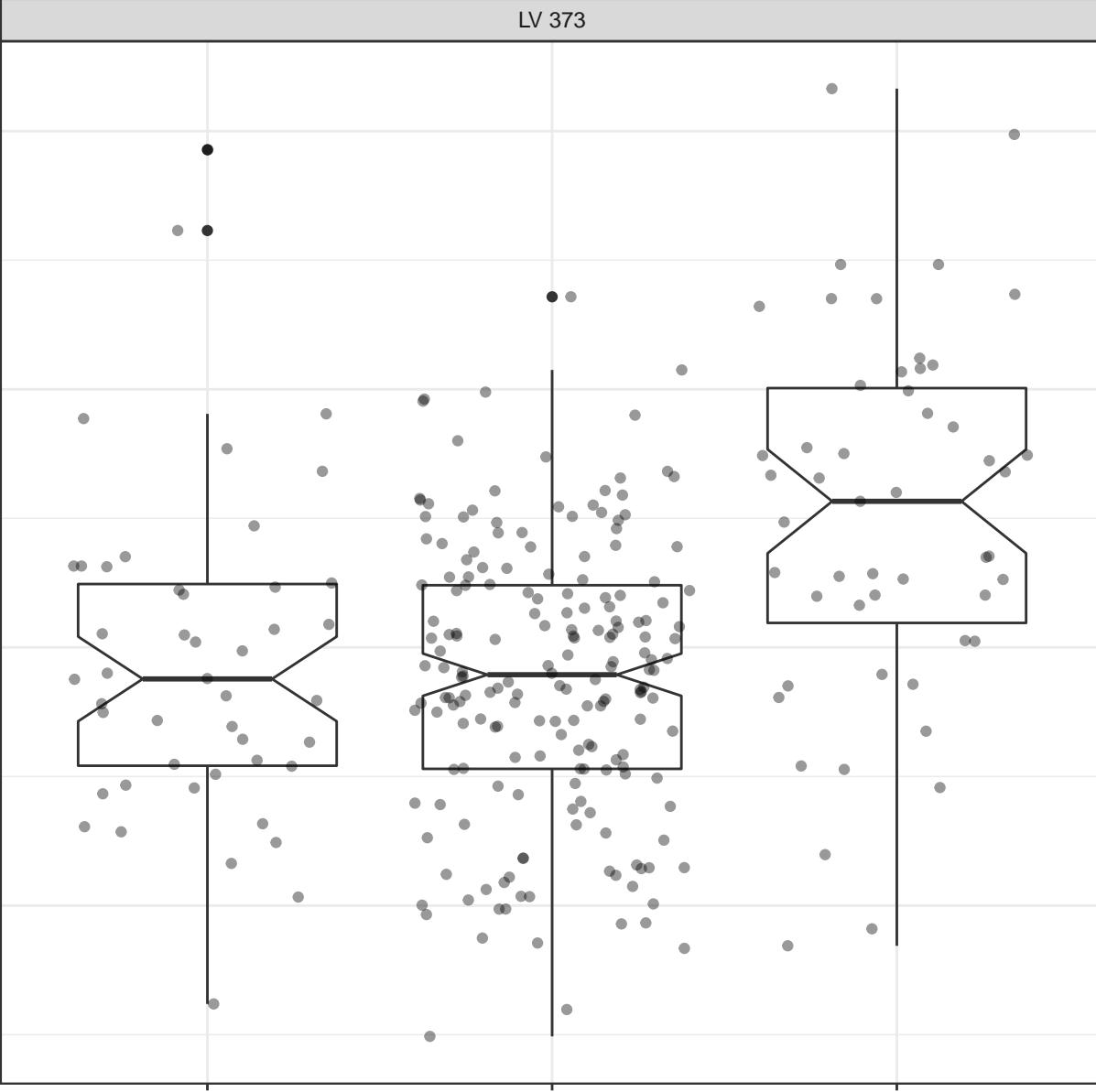
-0.05

Group 3

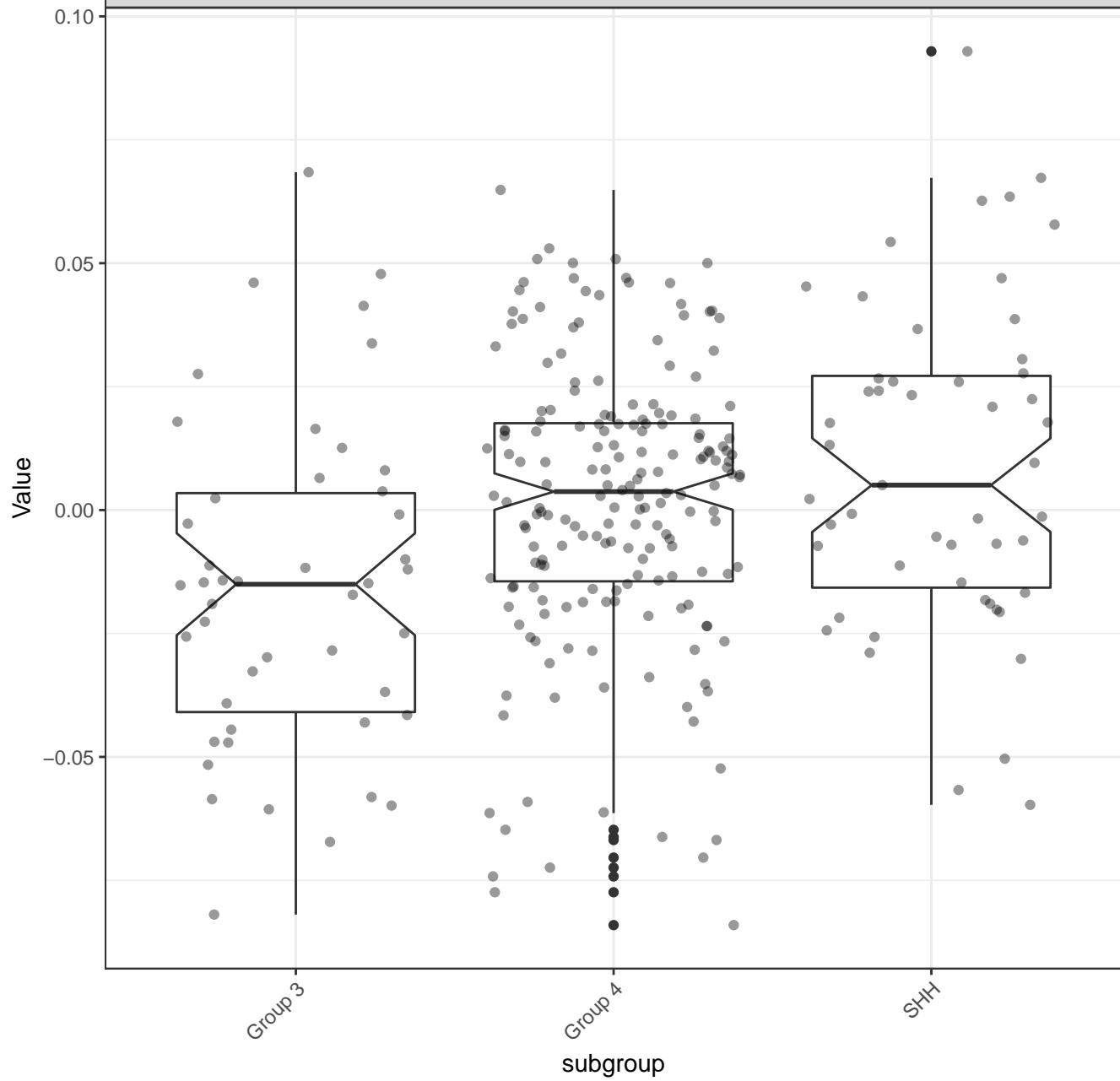
subgroup

Group 4

SHH



LV 374



LV 375

Value

0.05

0.00

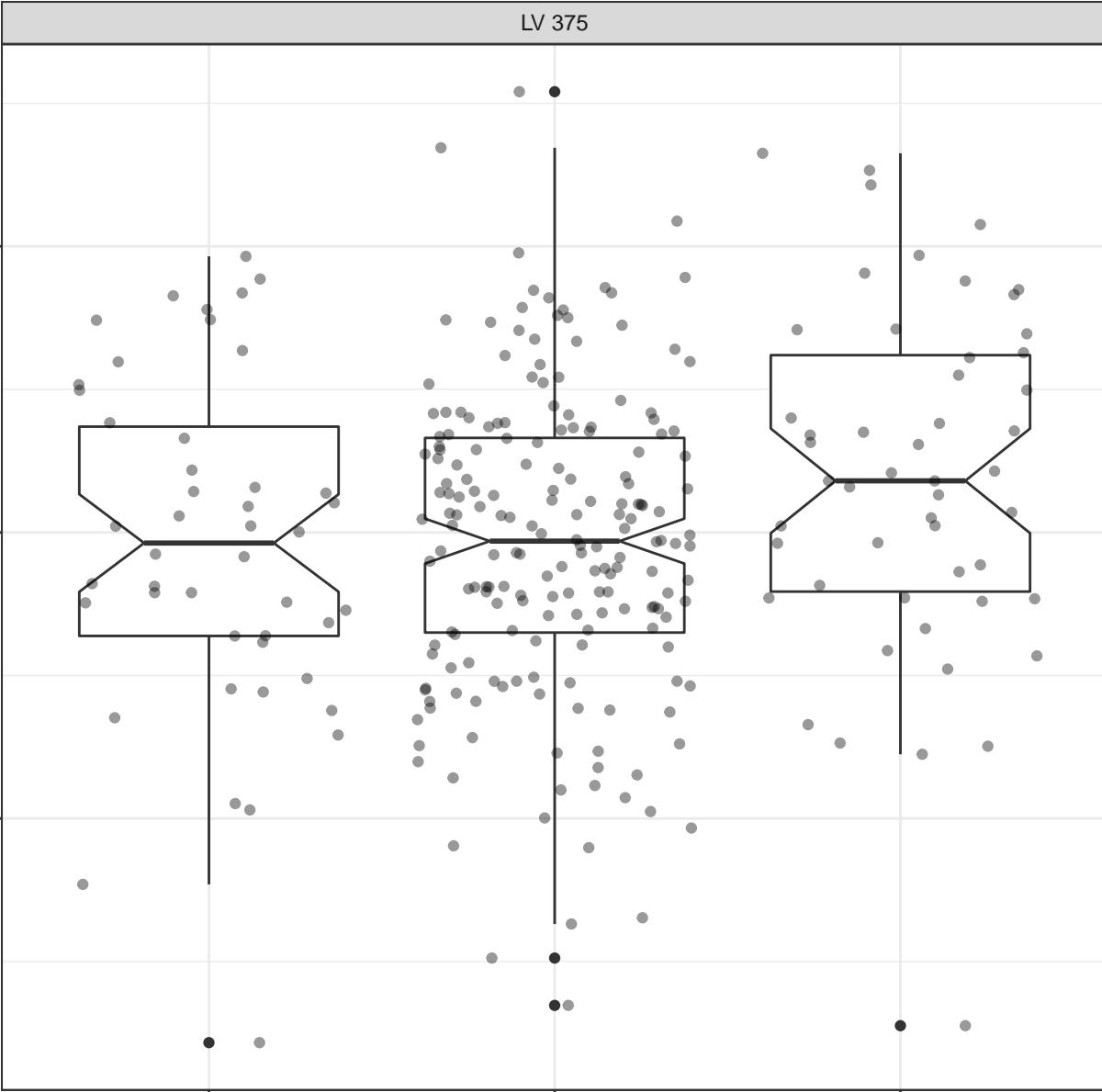
-0.05

Group 3

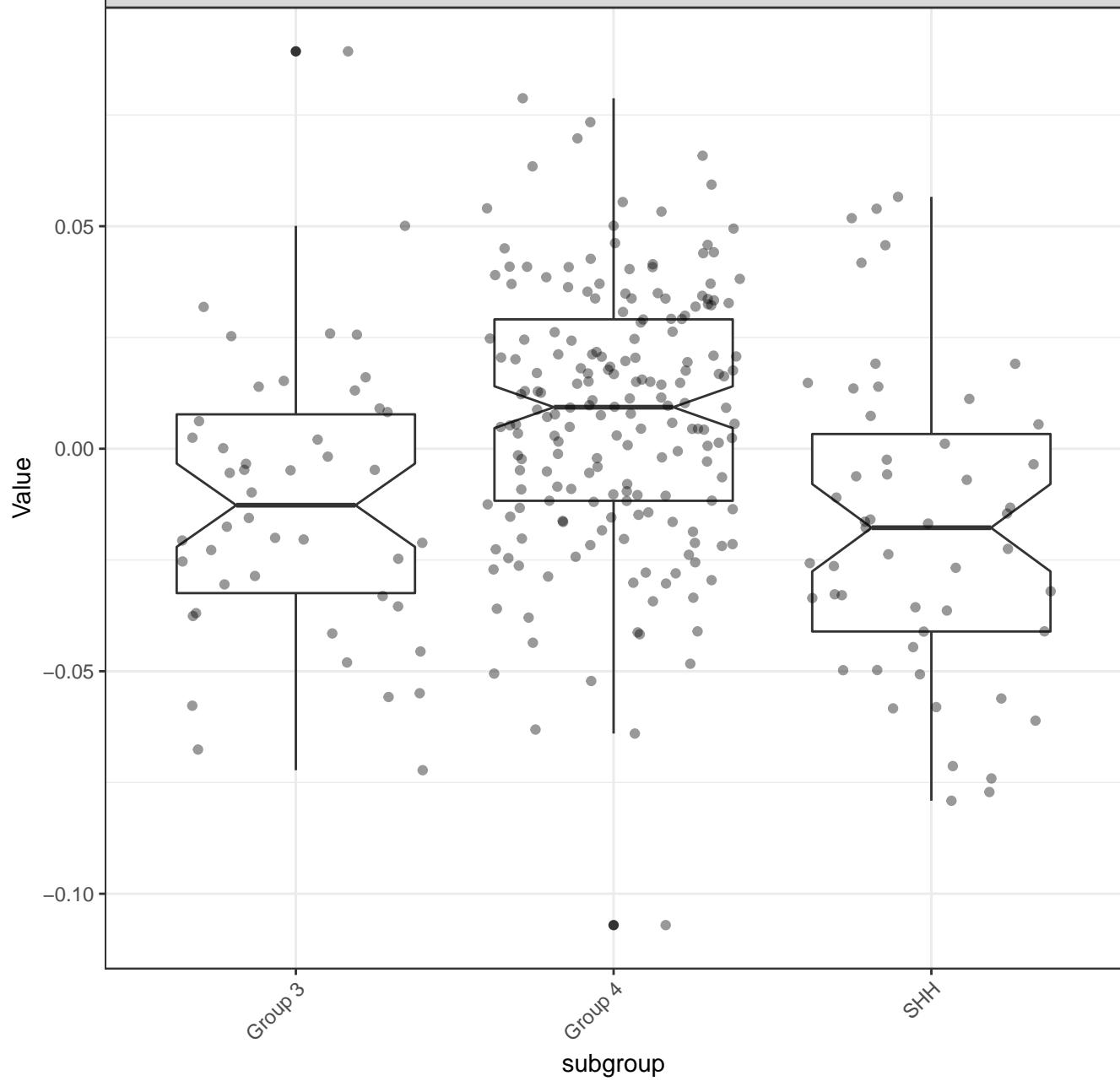
subgroup

Group 4

SHH



LV 376



LV 377

Value

0.10

0.05

0.00

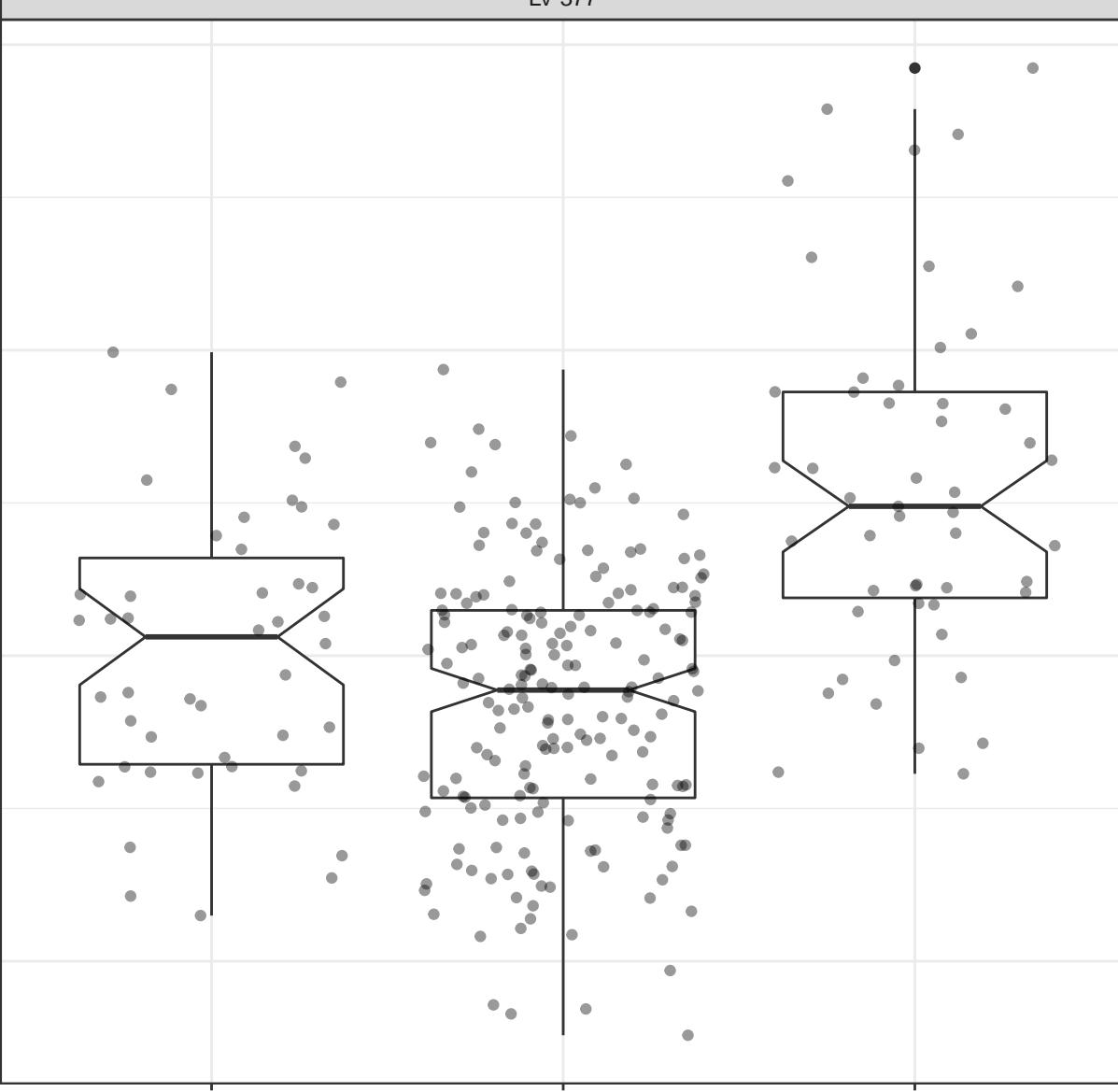
-0.05

Group 3

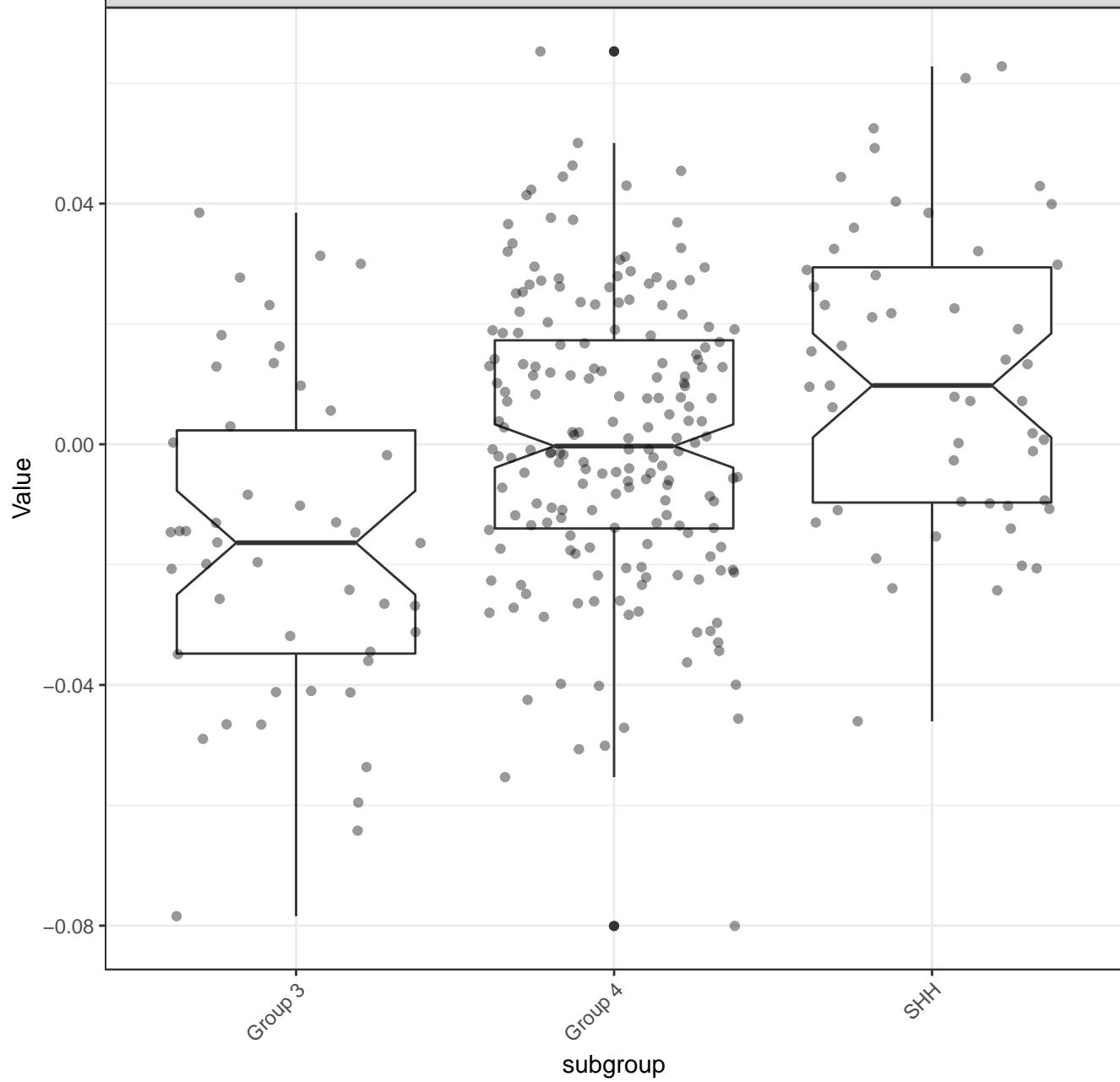
subgroup

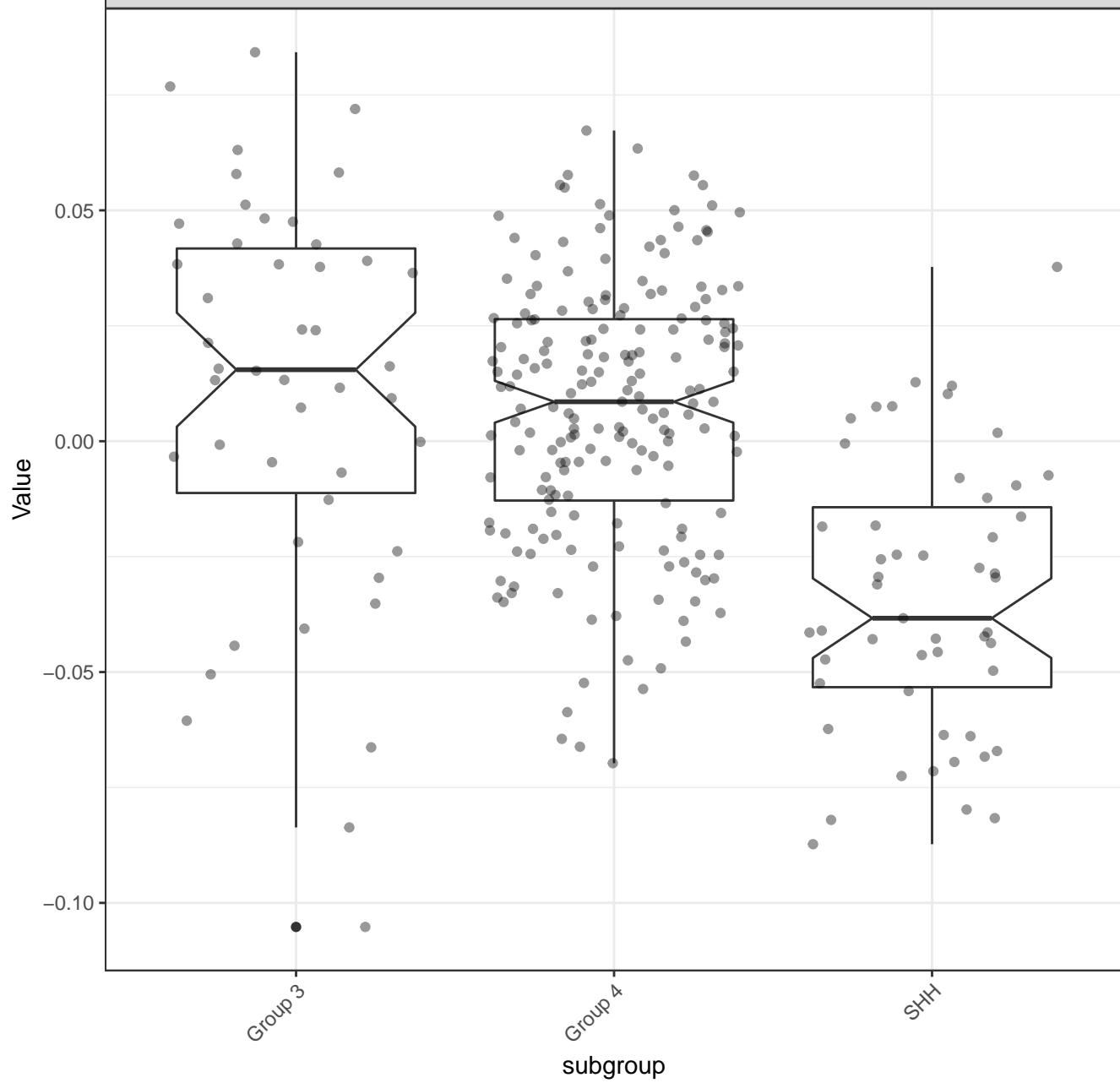
Group 4

SHH



LV 378





LV 380

Value

0.05

0.00

-0.05

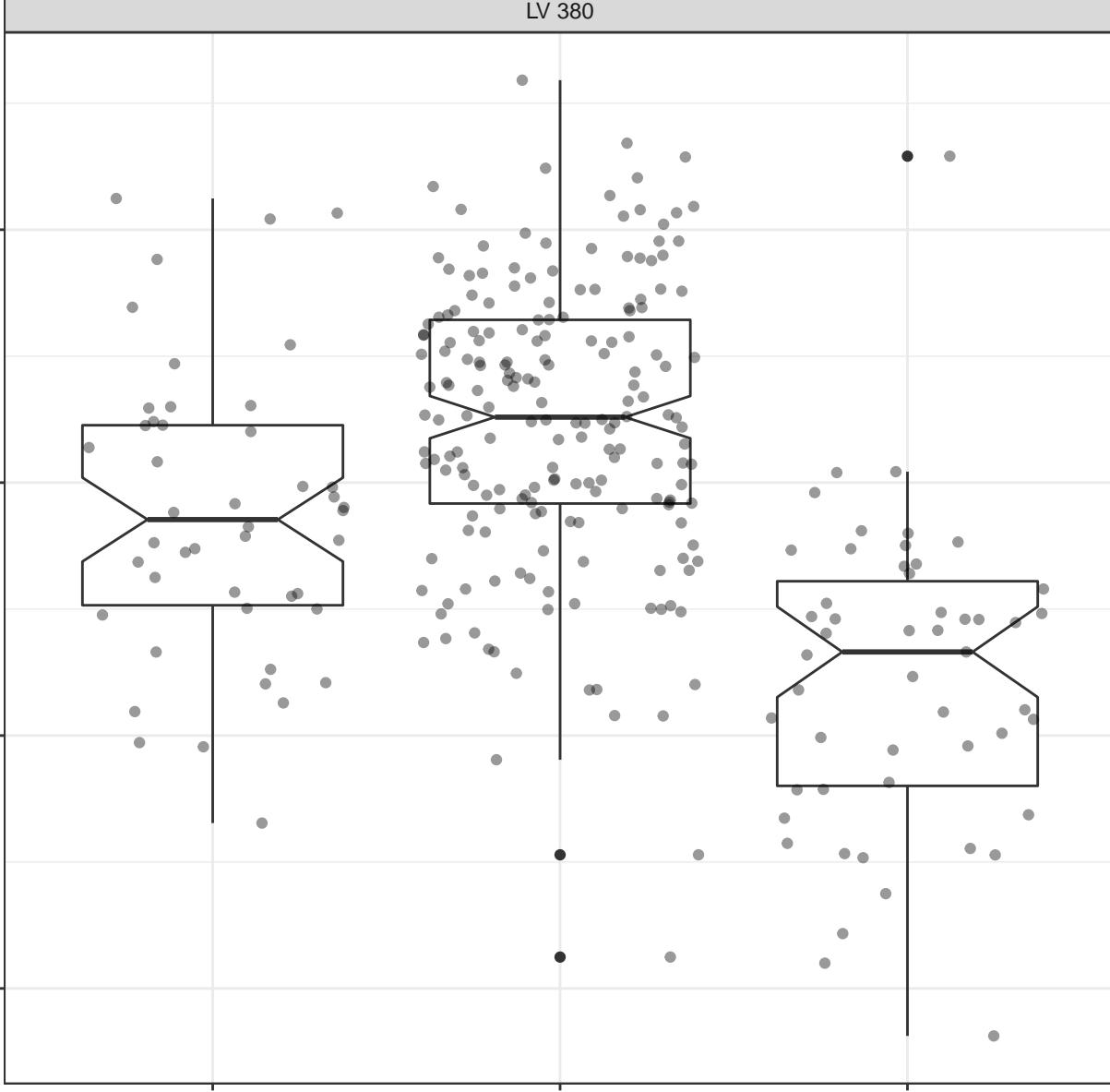
-0.10

Group 3

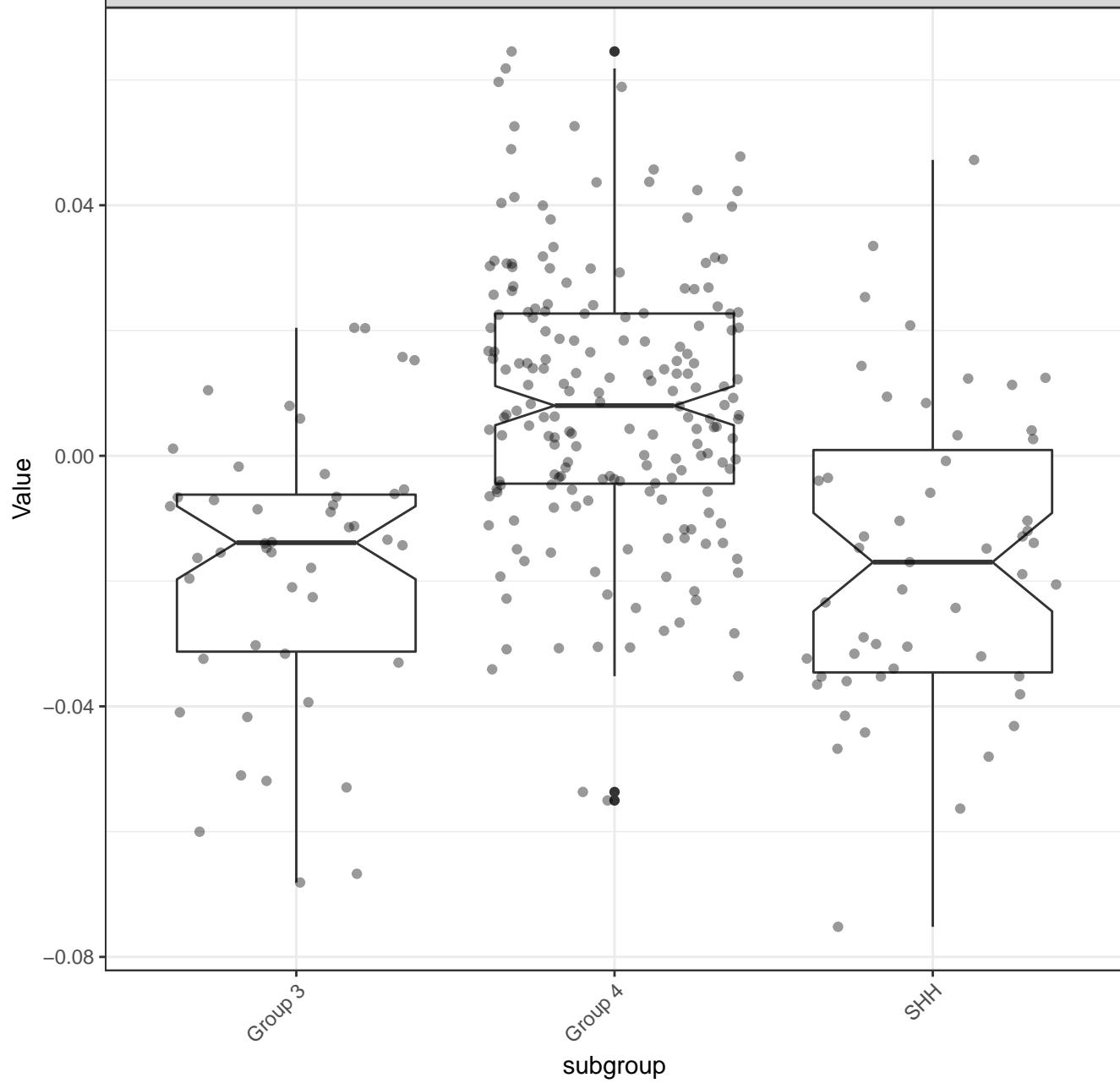
Group 4

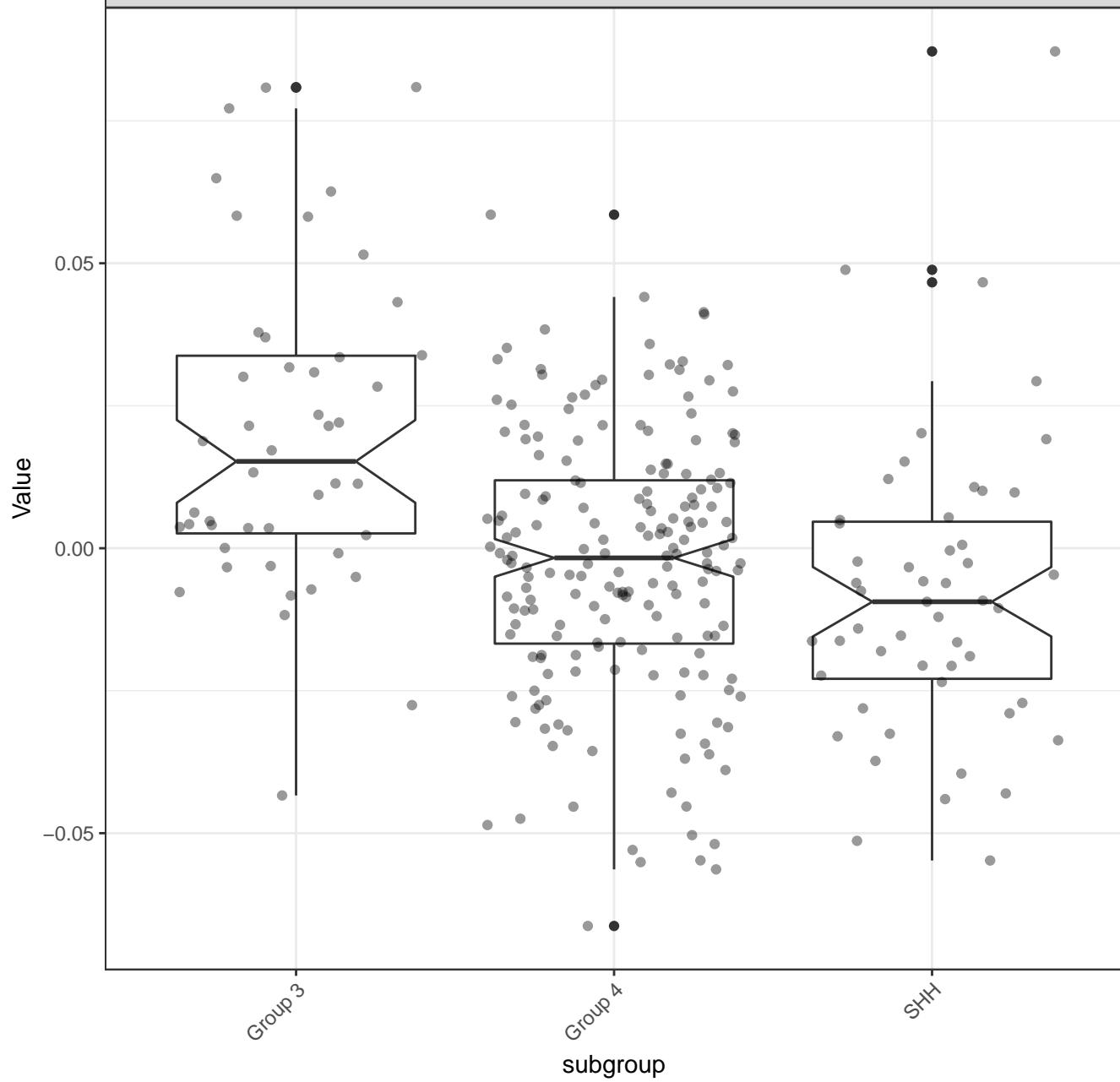
SHH

subgroup

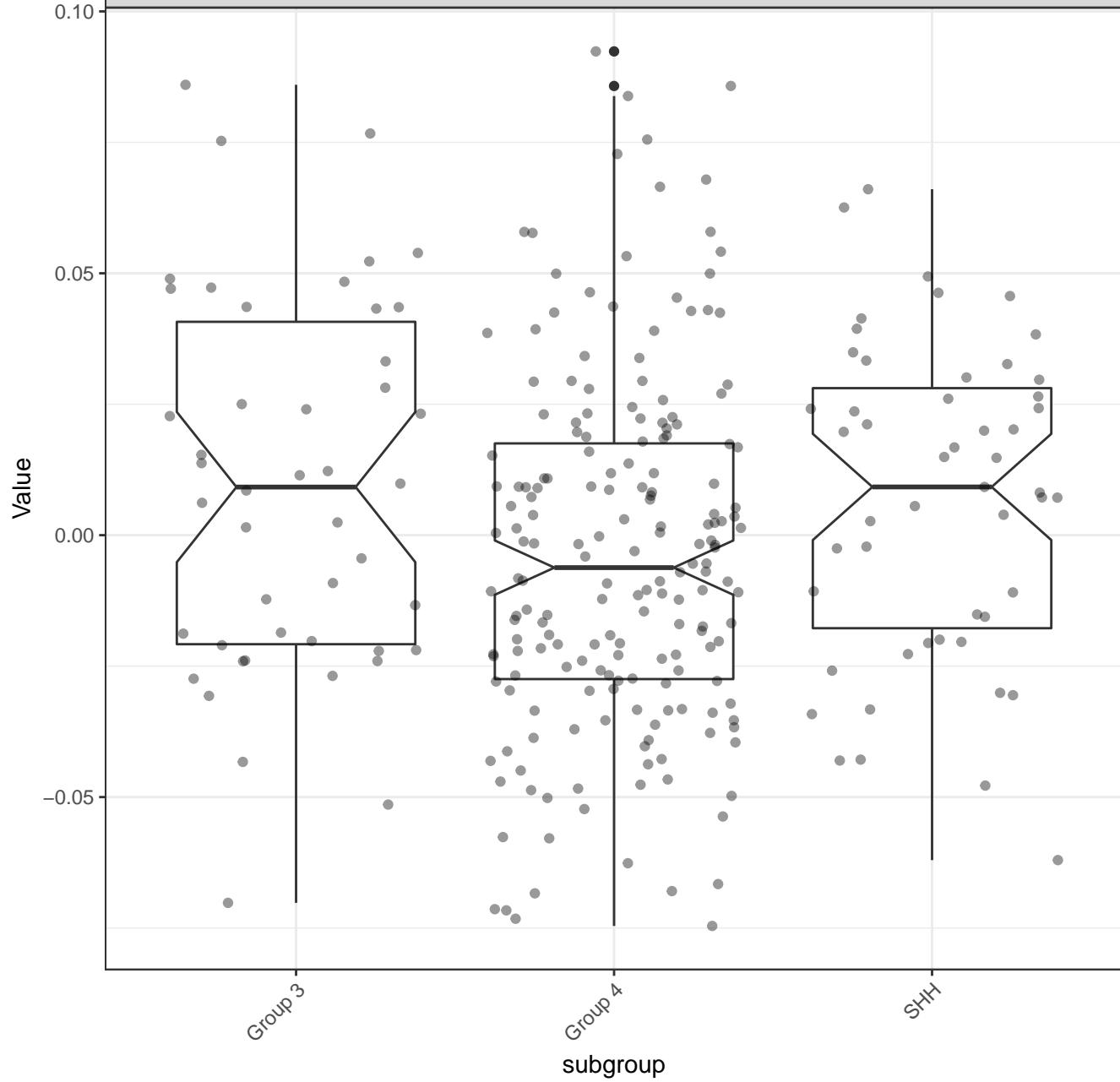


LV 381





LV 383



LV 384

Value

0.10

0.05

0.00

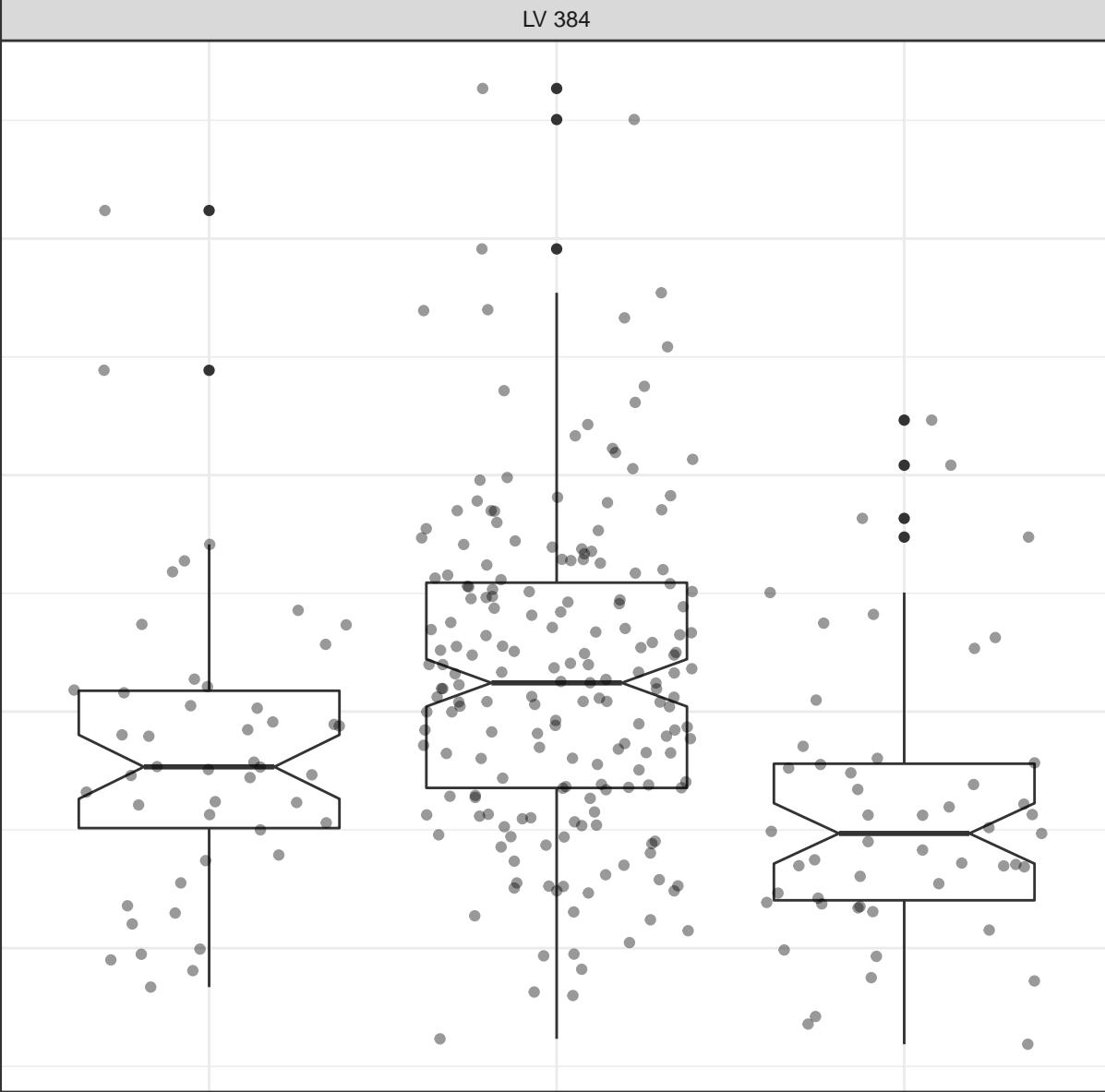
-0.05

Group 3

subgroup

Group 4

SHH



LV 385

Value

0.05

0.00

-0.05

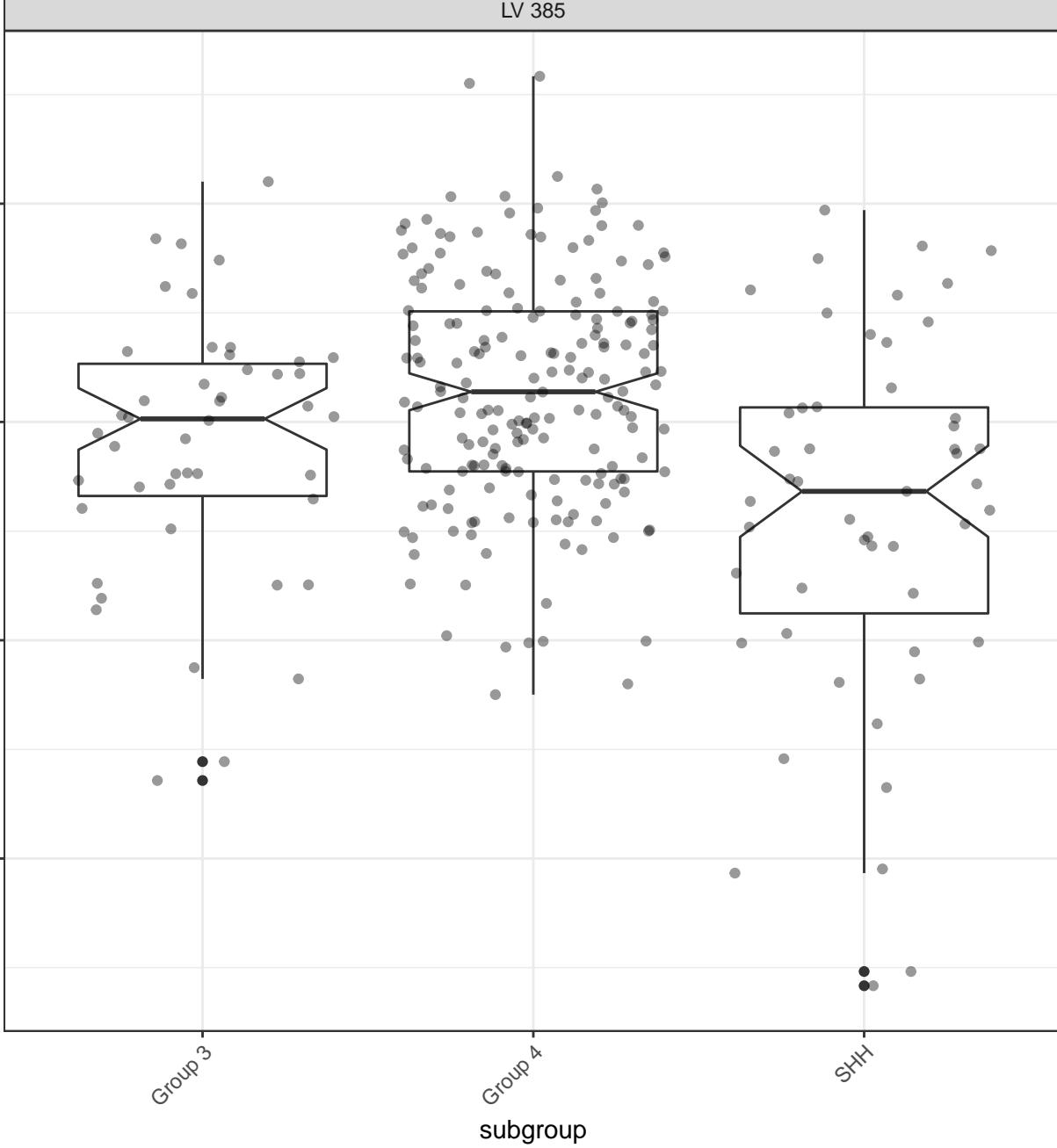
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.05

0.00

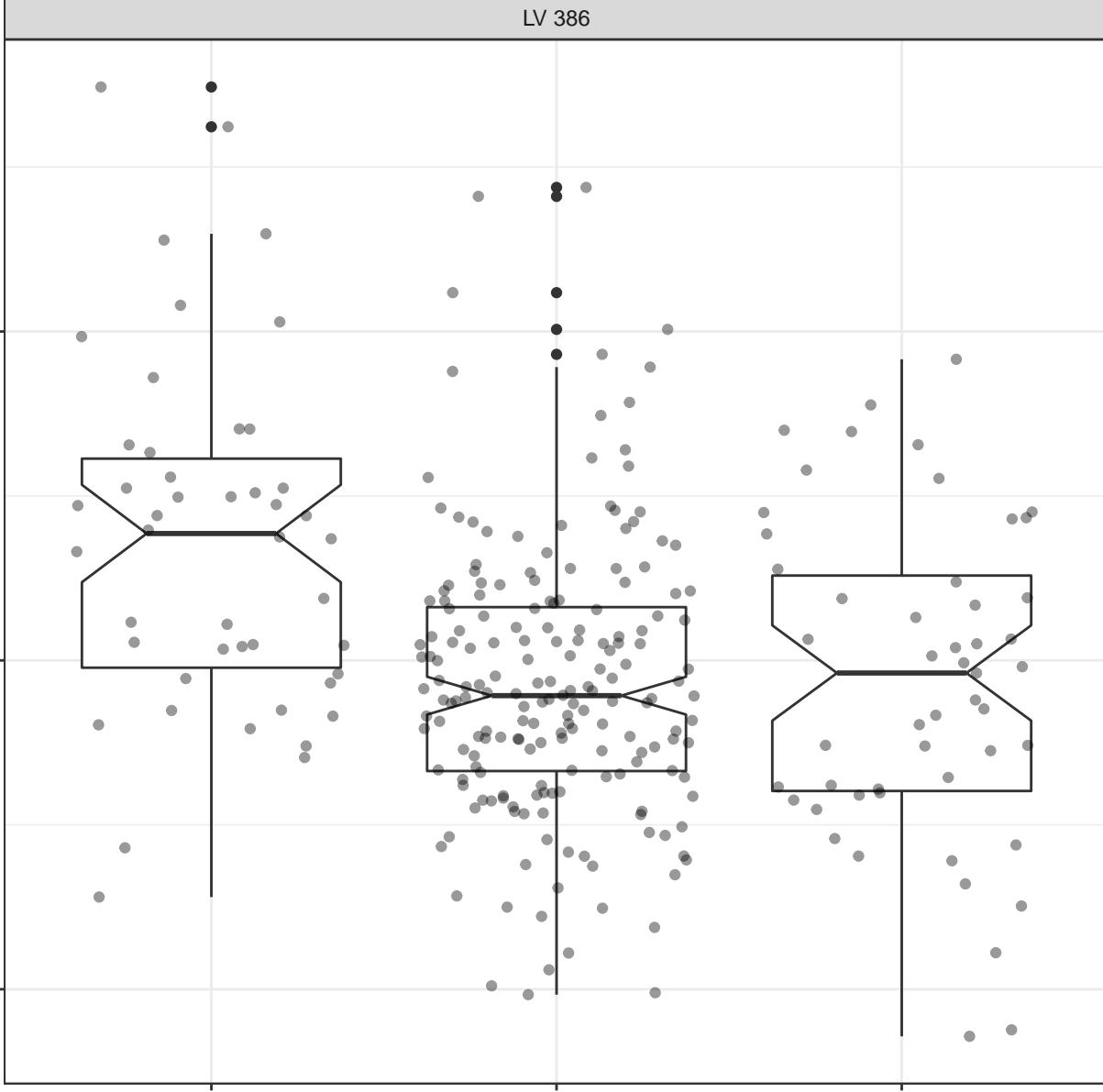
-0.05

Group 3

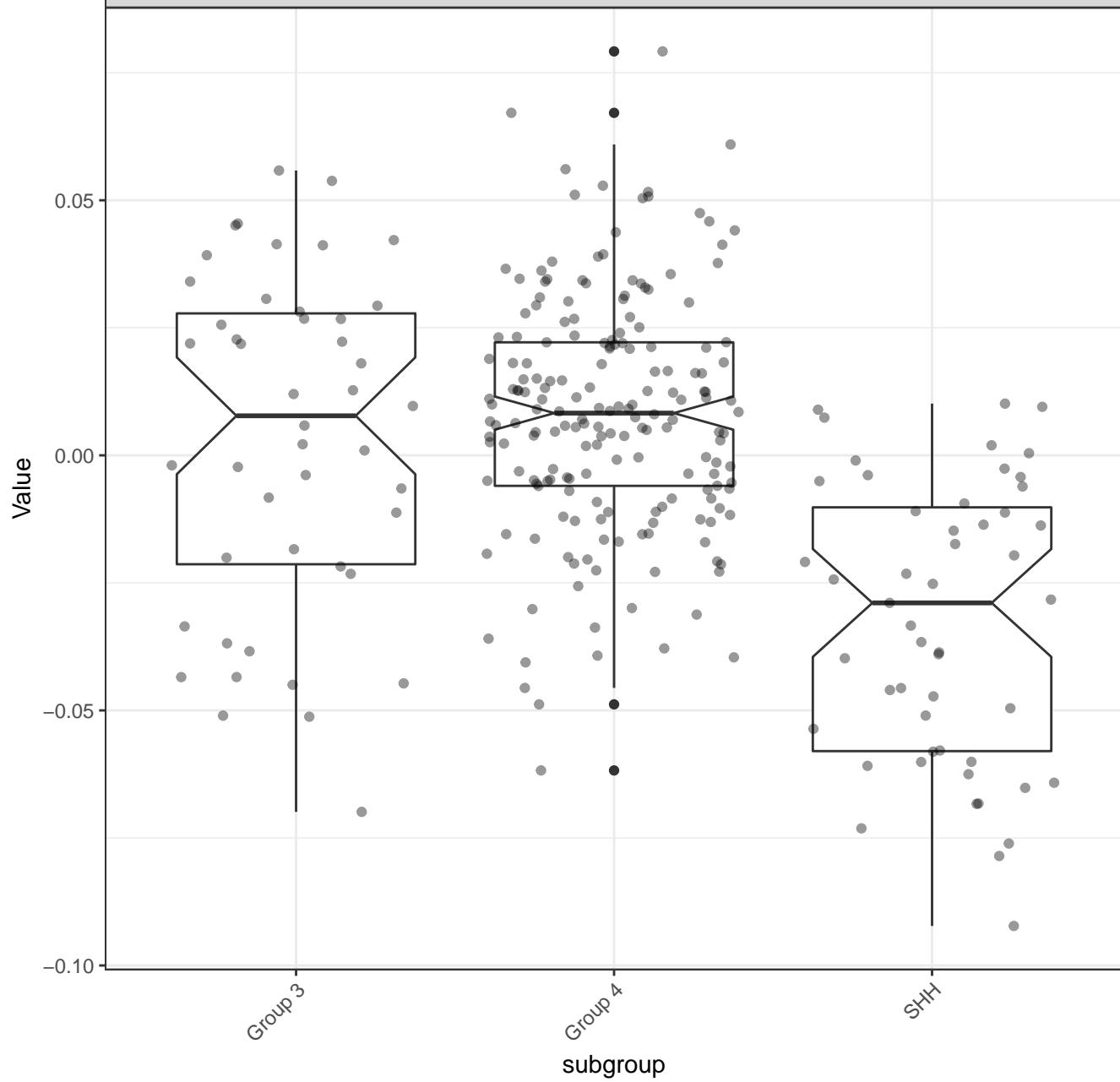
Group 4

SHH

subgroup



LV 387



LV 388

Value

0.10

0.05

0.00

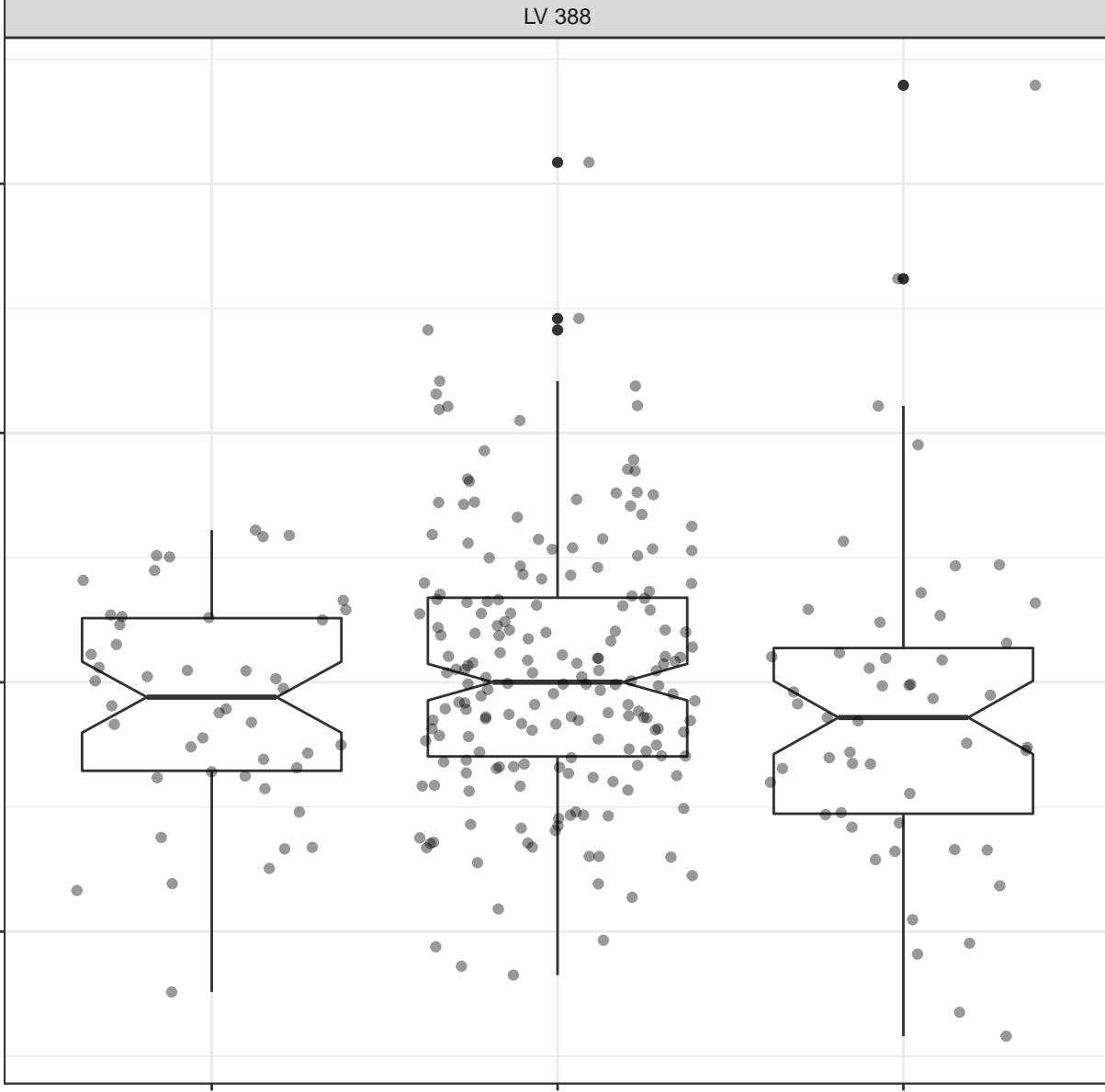
-0.05

Group 3

Group 4

SHH

subgroup



LV 389

Value

0.10

0.05

0.00

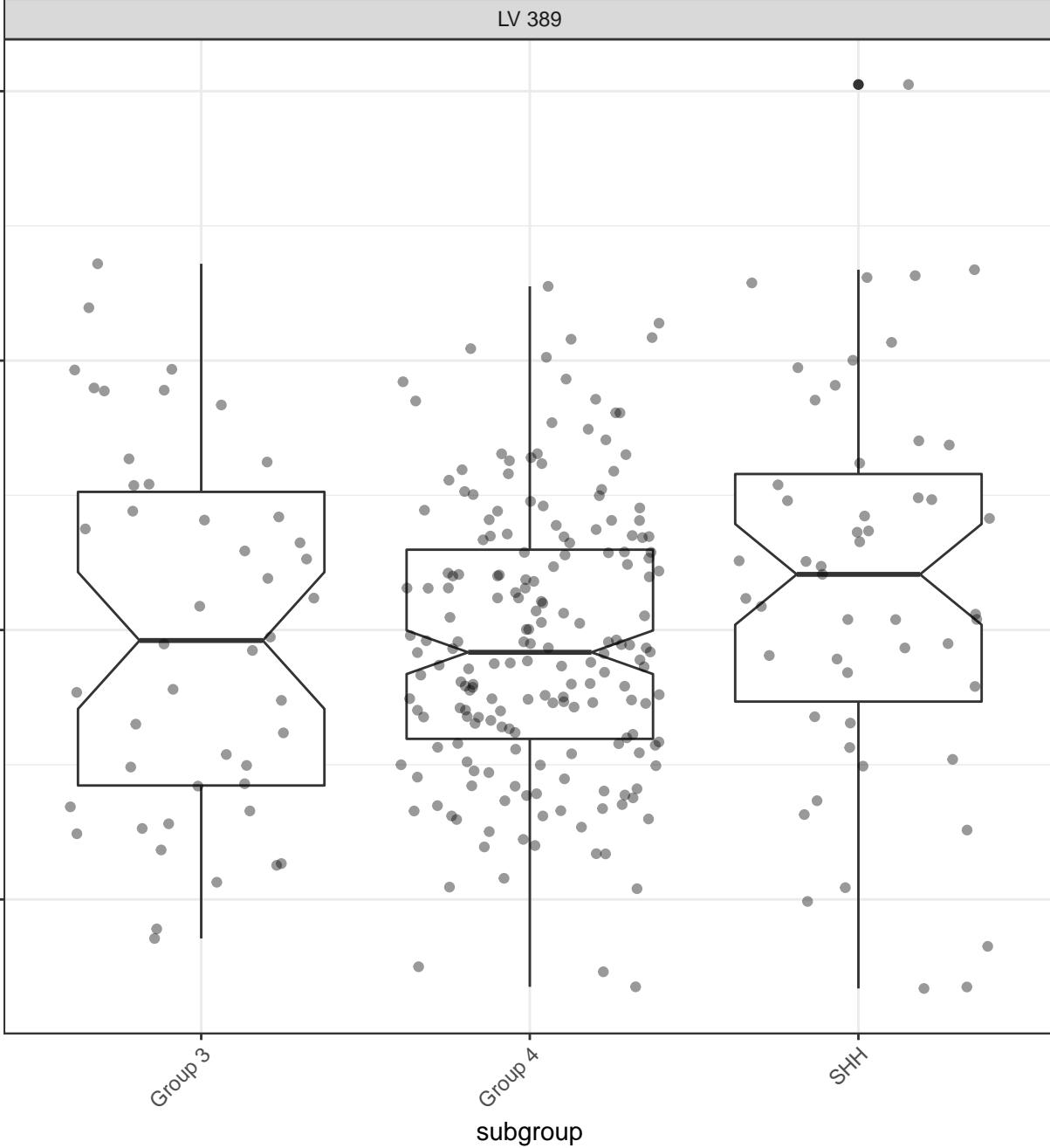
-0.05

Group 3

Group 4

SHH

subgroup



LV 390

Value

0.1

0.0

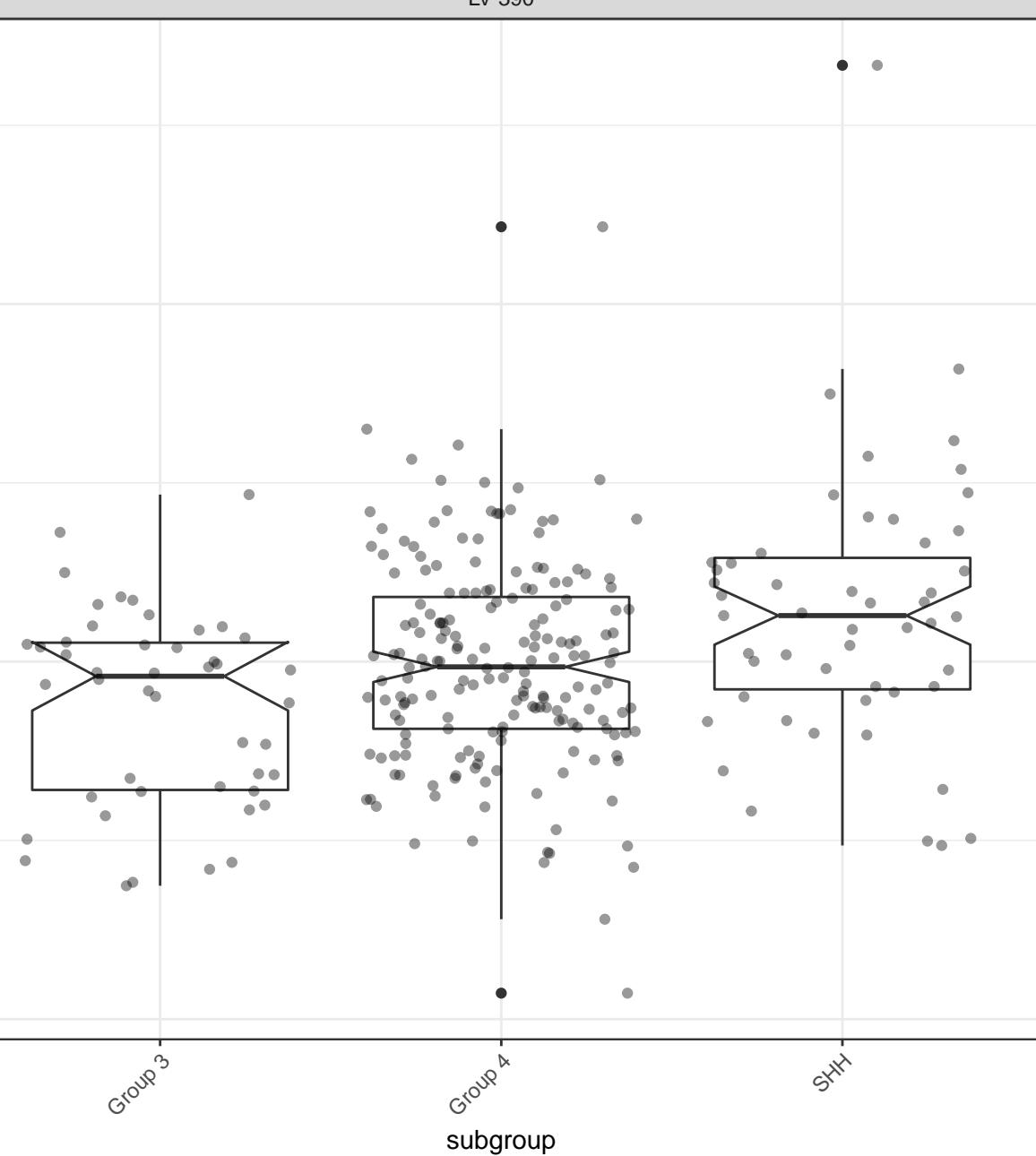
-0.1

Group³

Group⁴

SHH

subgroup



Value

0.05

0.00

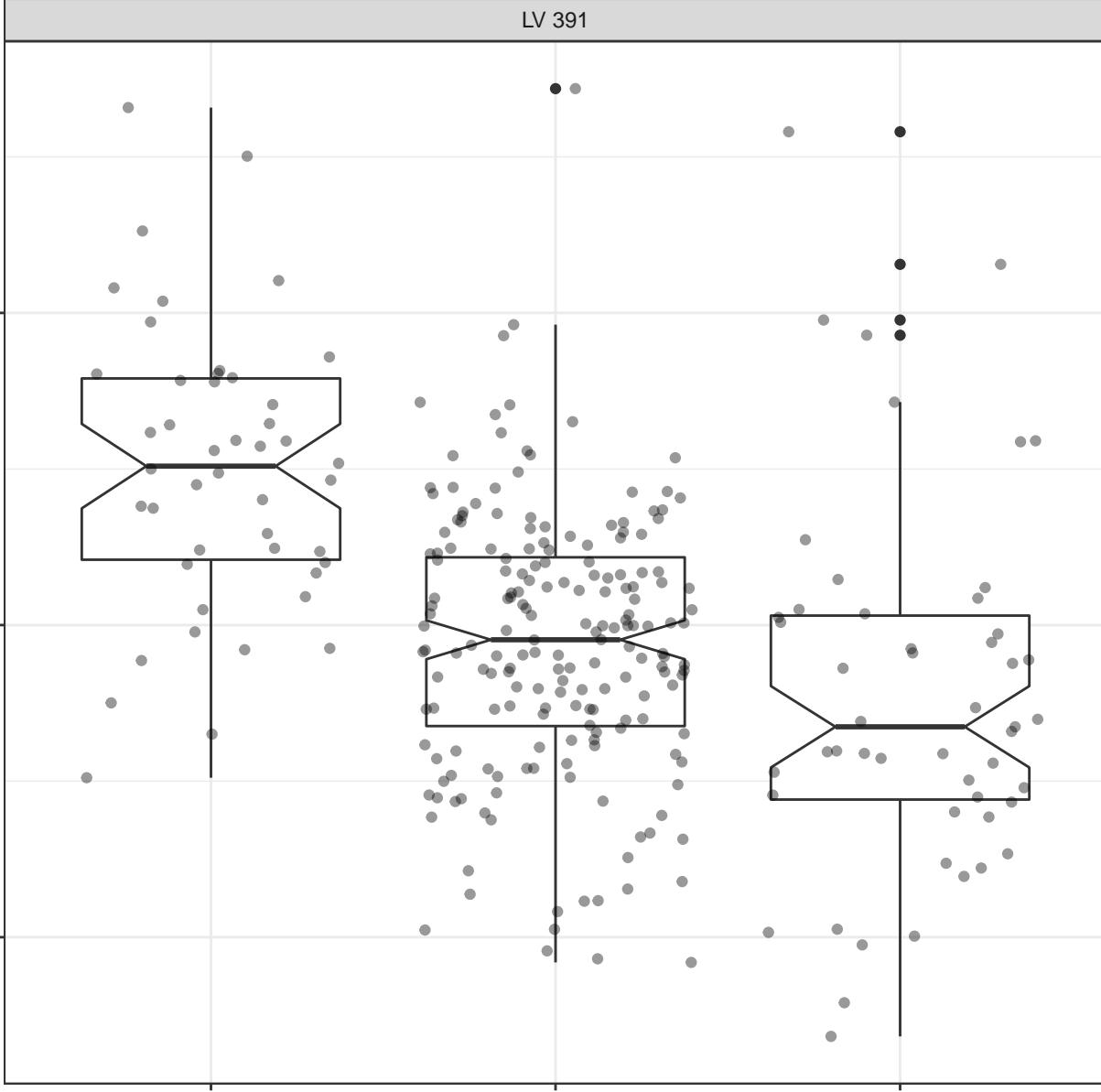
-0.05

Group 3

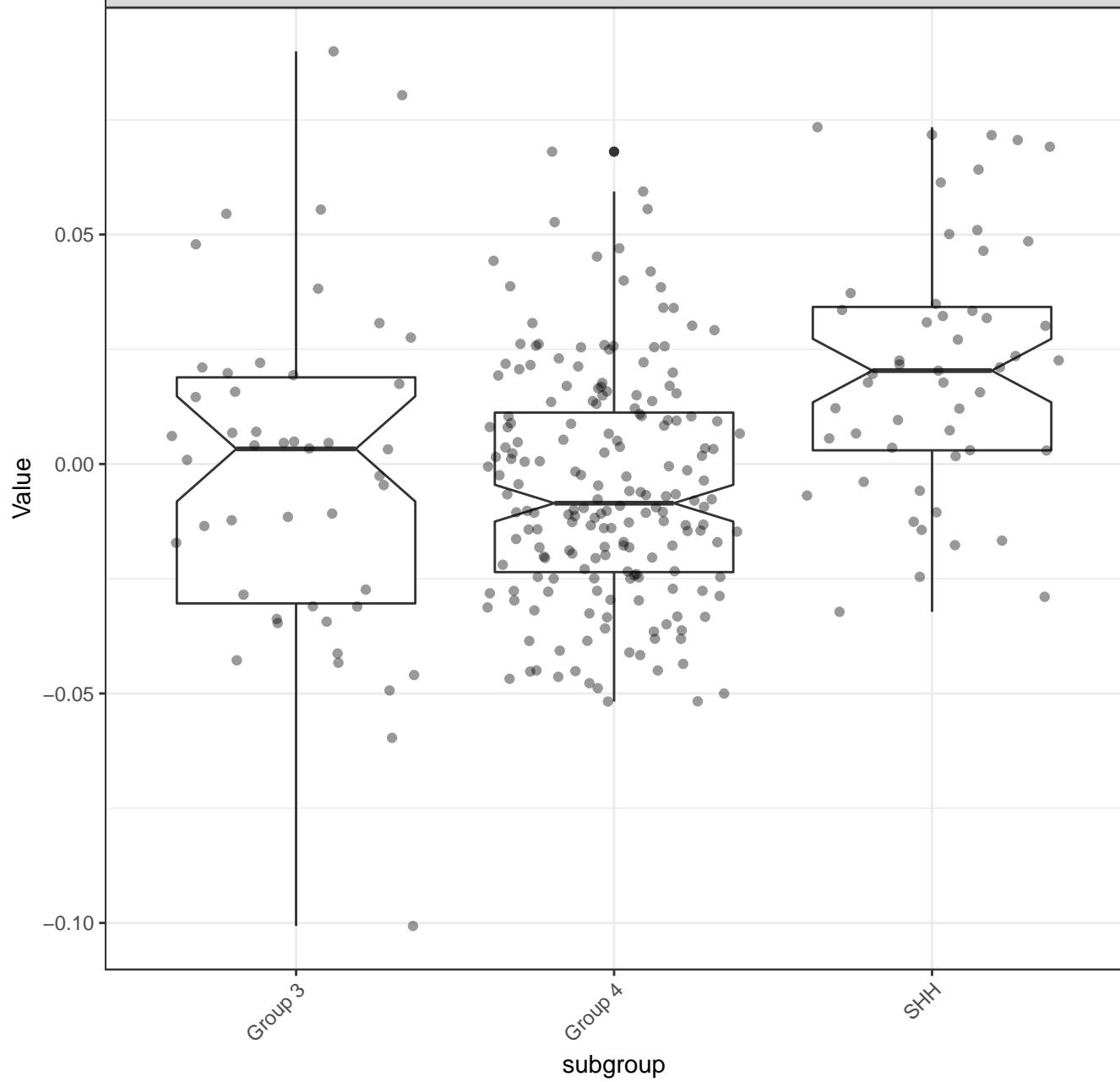
subgroup

Group 4

SHH



LV 392



LV 393

Value

0.1

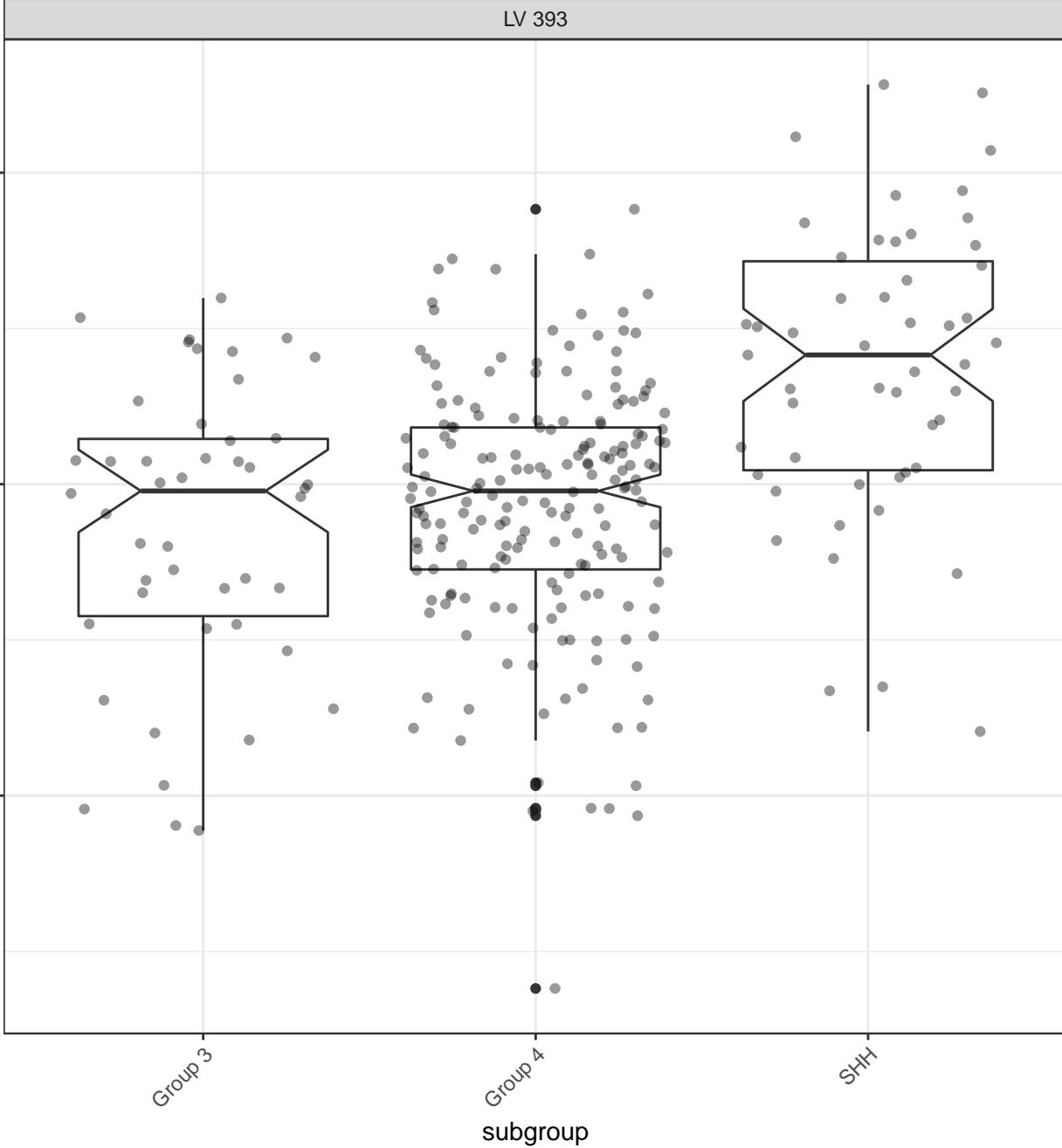
0.0

-0.1

Group³Group⁴

SHH

subgroup



LV 394

Value

0.1

0.0

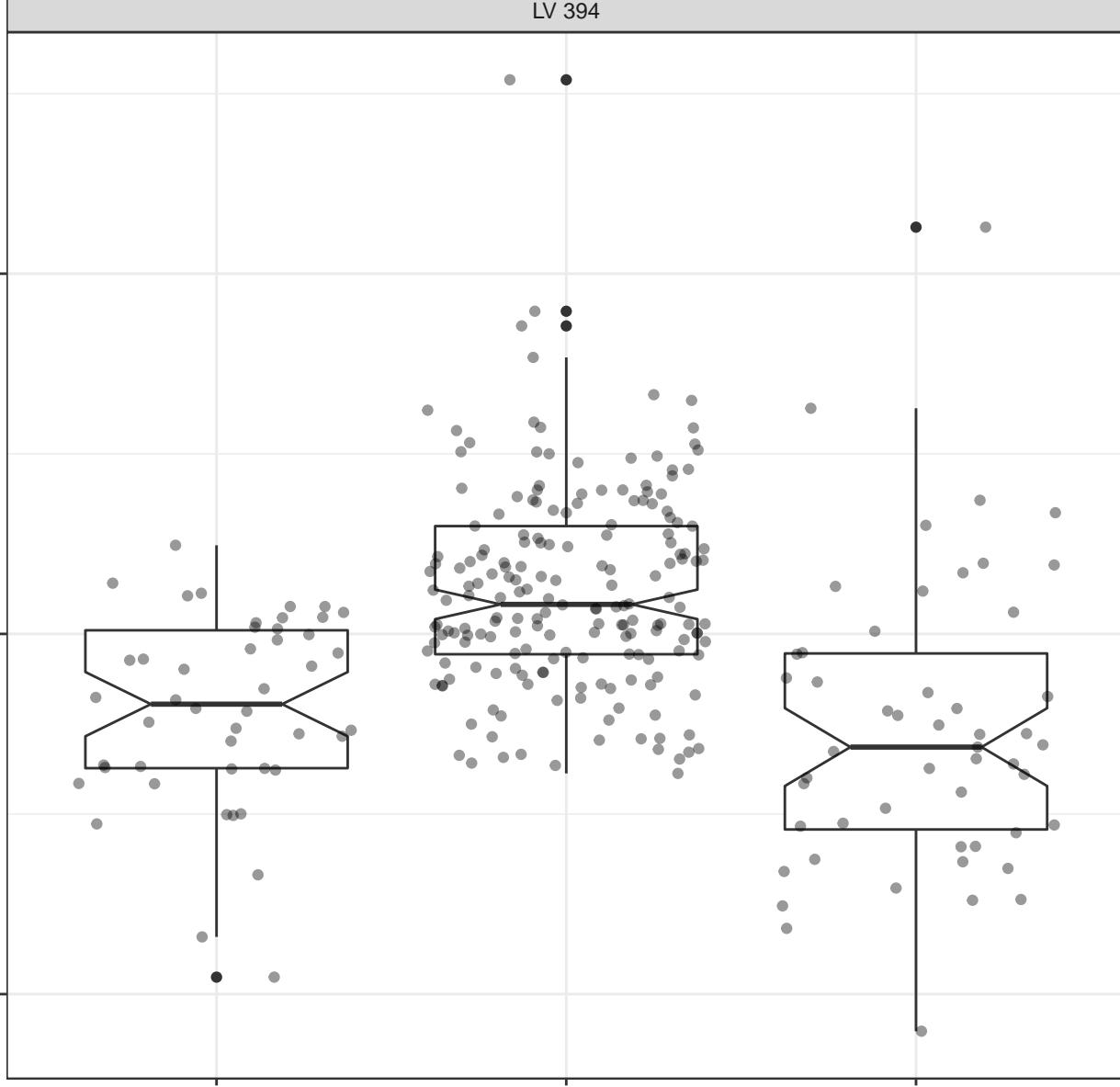
-0.1

Group³

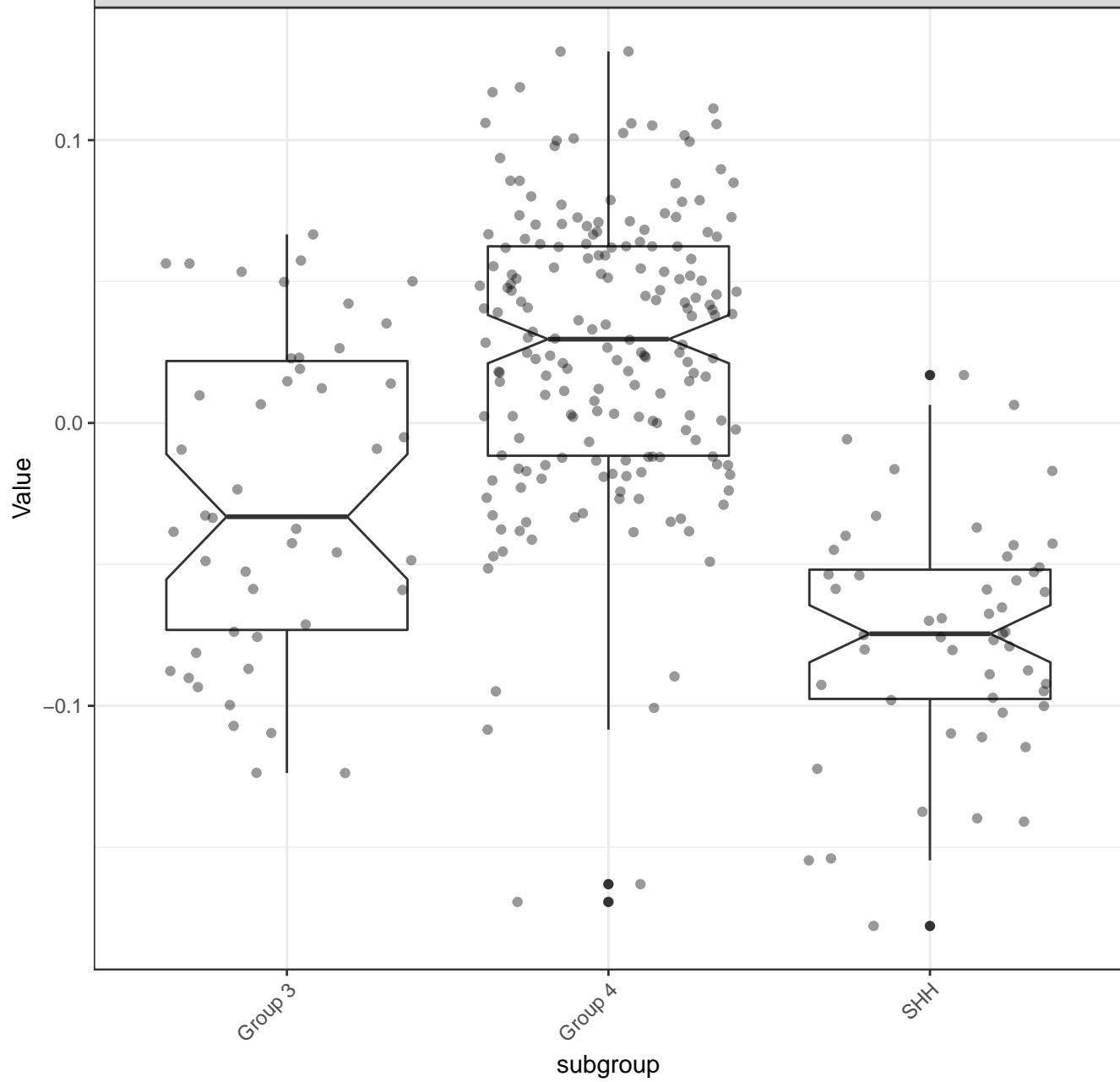
Group⁴

SHH

subgroup



LV 395



LV 396

Value

0.10

0.05

0.00

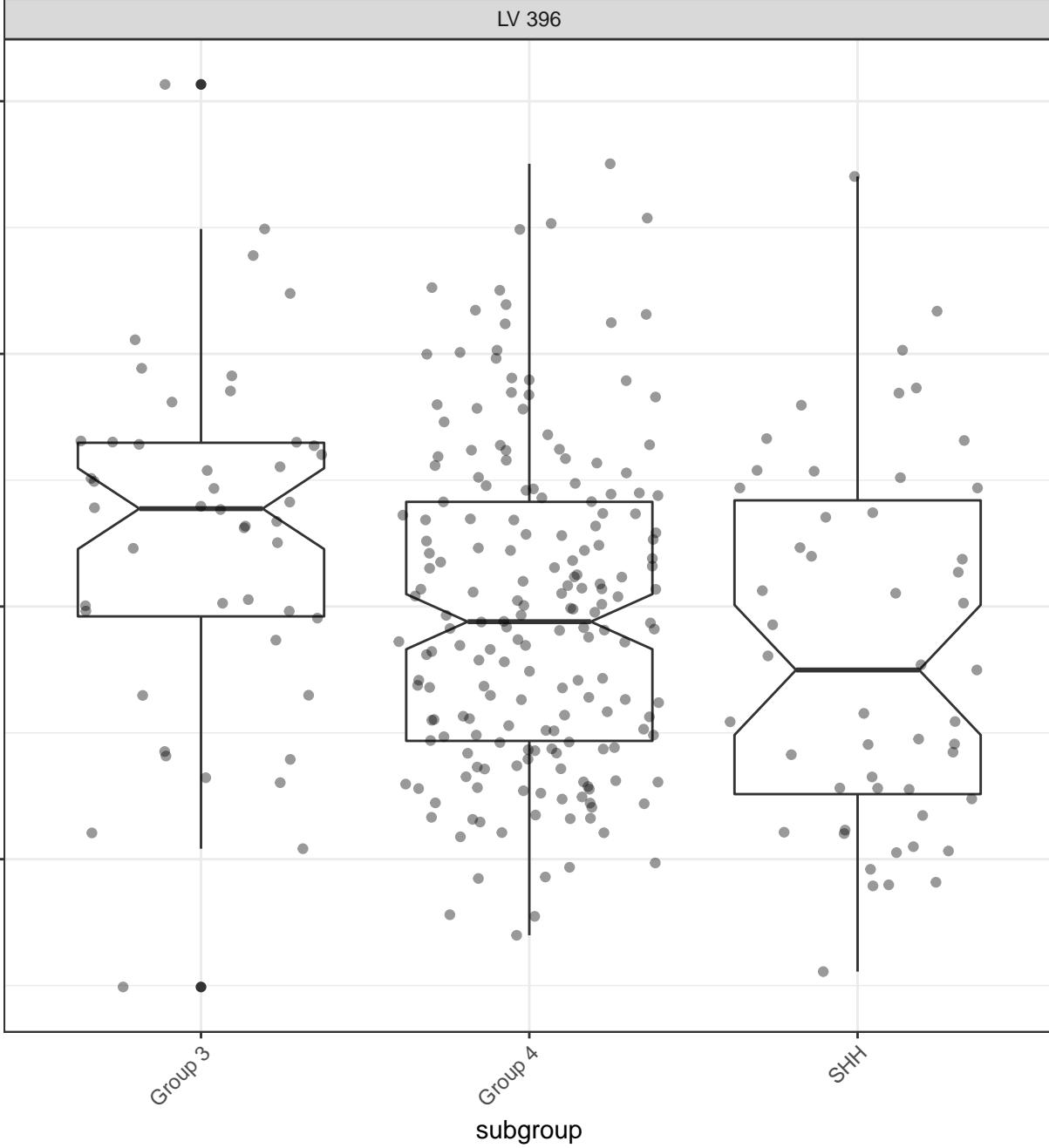
-0.05

Group 3

Group 4

SHH

subgroup



LV 397

Value

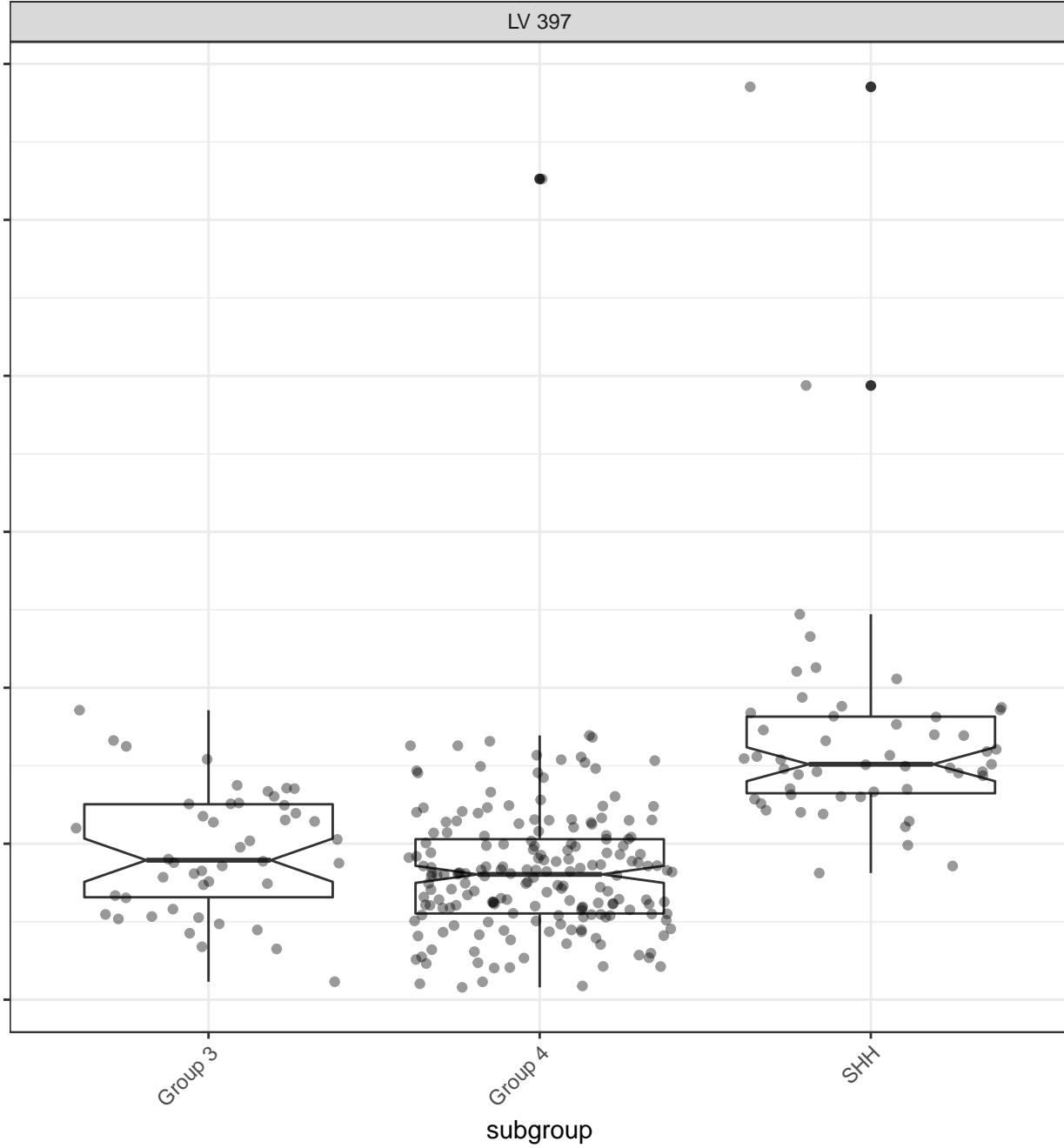
0.5
0.4
0.3
0.2
0.1
0.0
-0.1

Group 3

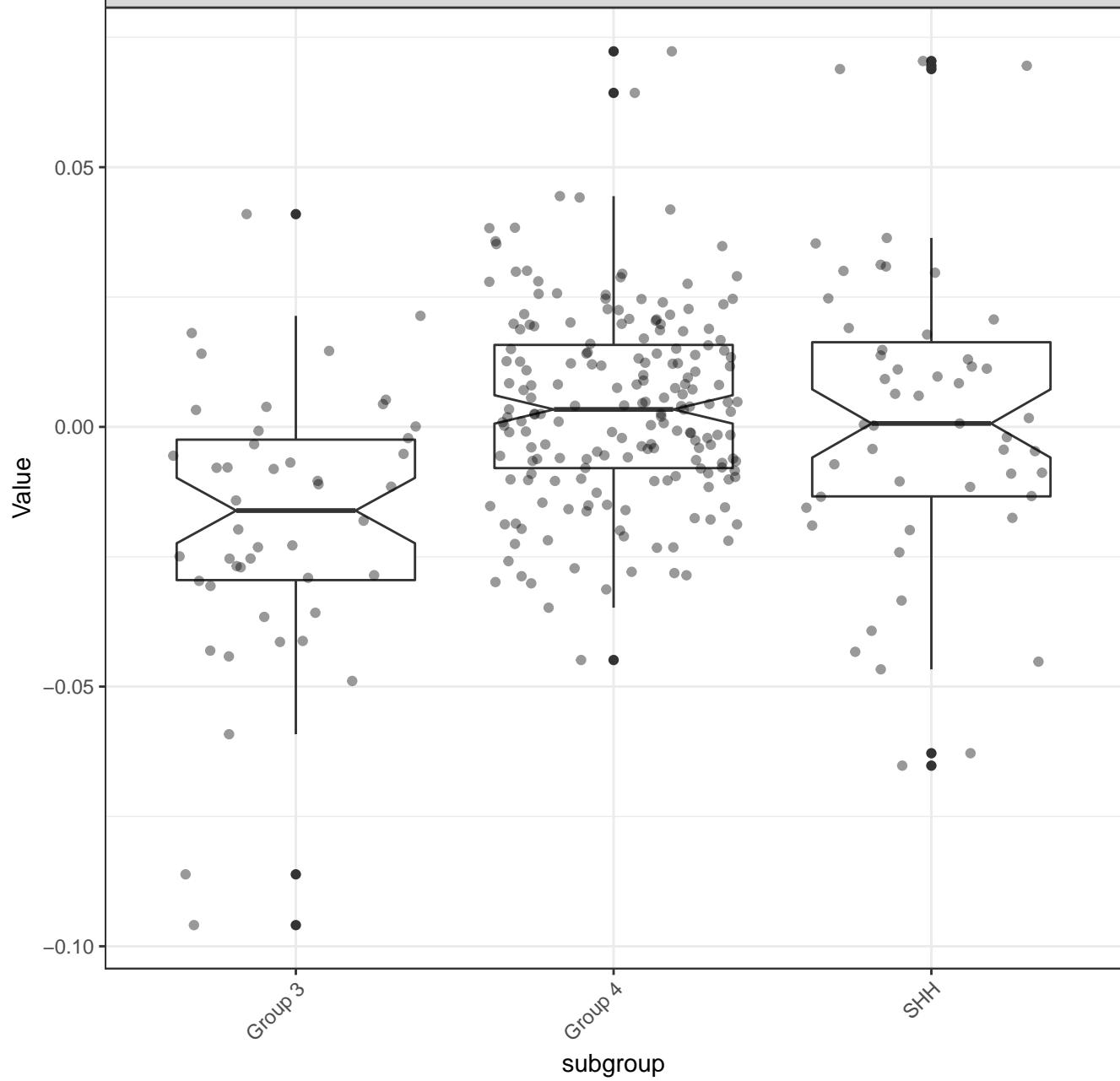
Group 4

SHH

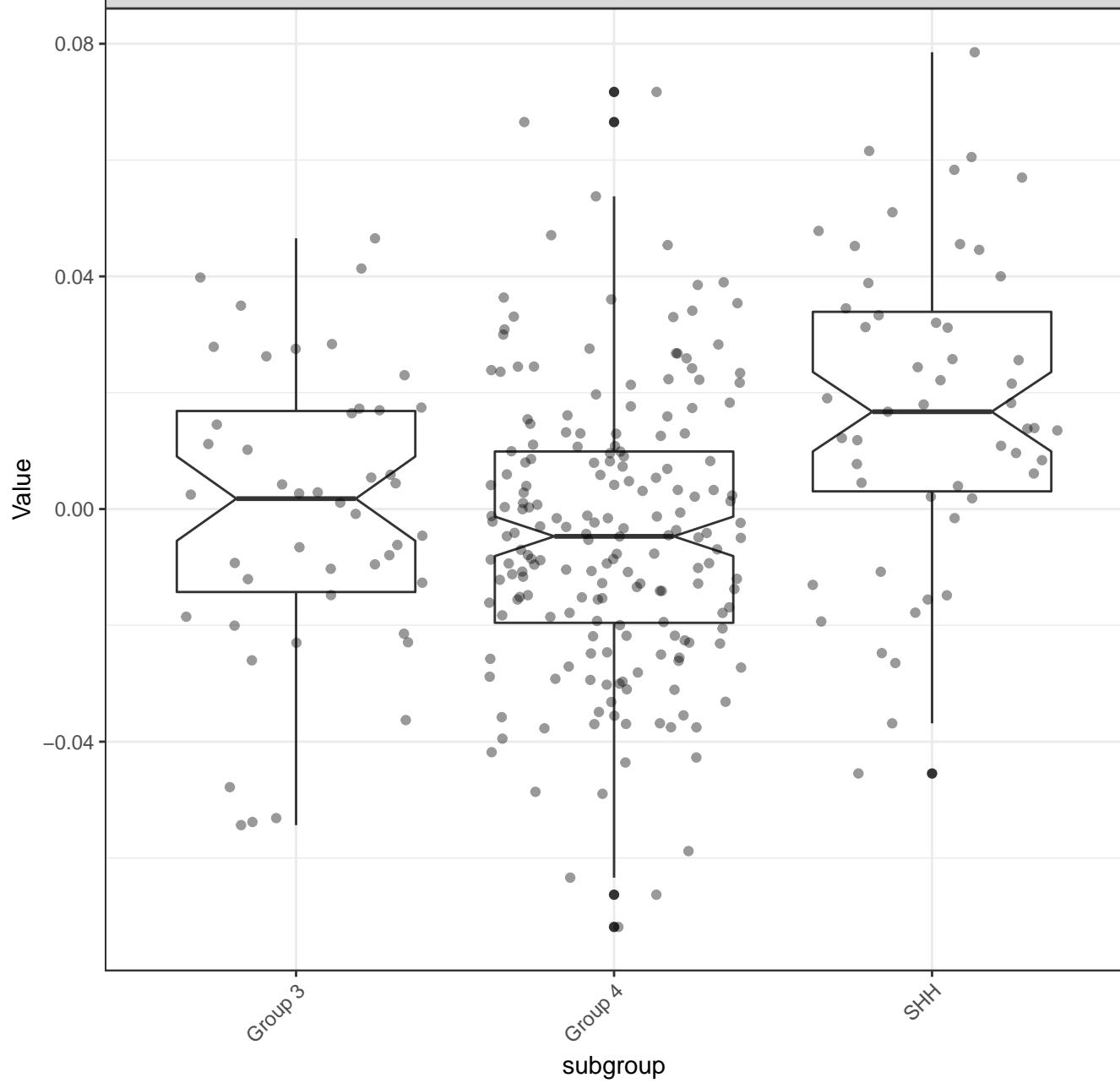
subgroup



LV 398



LV 399



LV 400

Value

0.10

0.05

0.00

-0.05

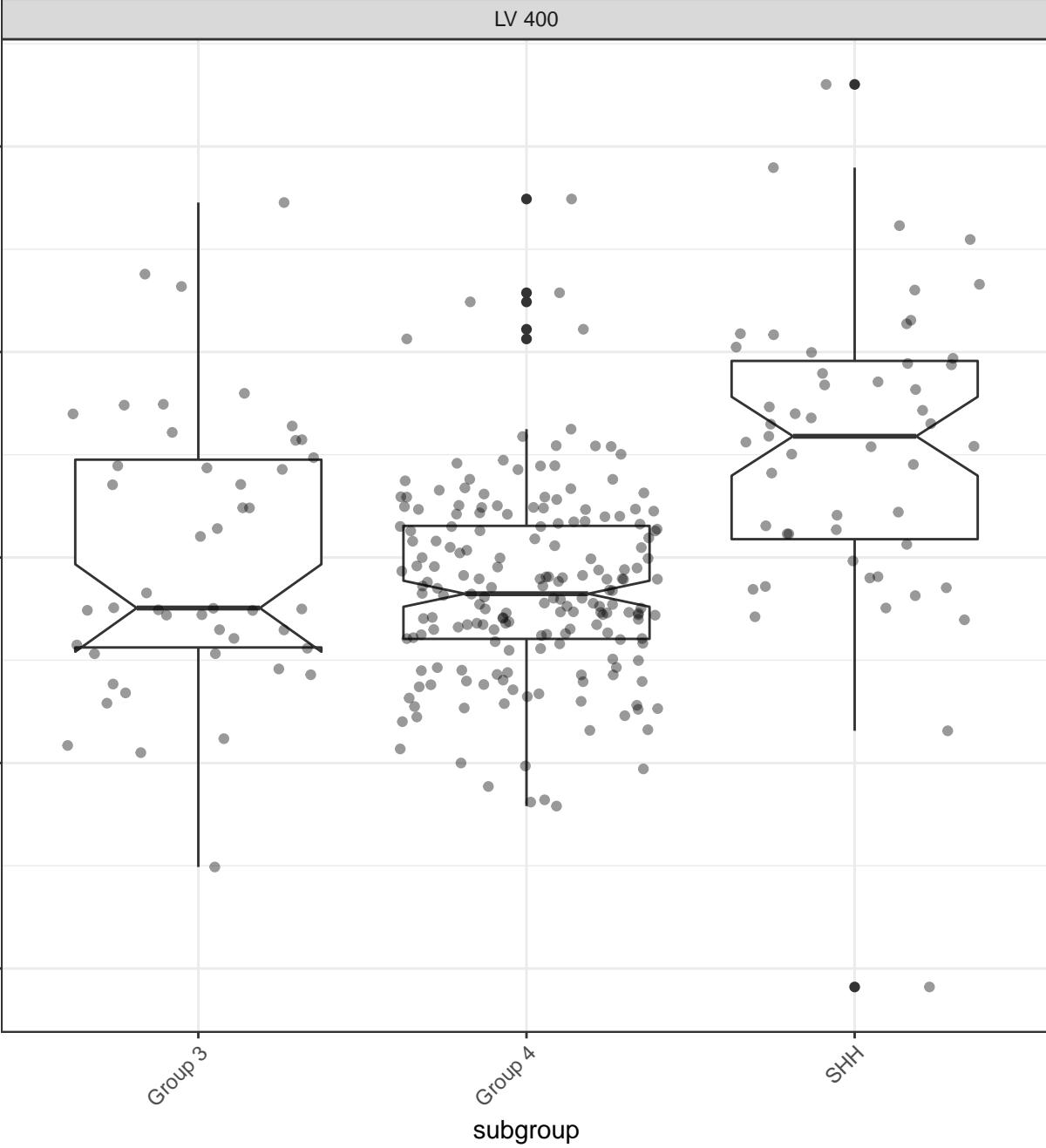
-0.10

Group 3

Group 4

SHH

subgroup



LV 401

Value

0.08

0.04

0.00

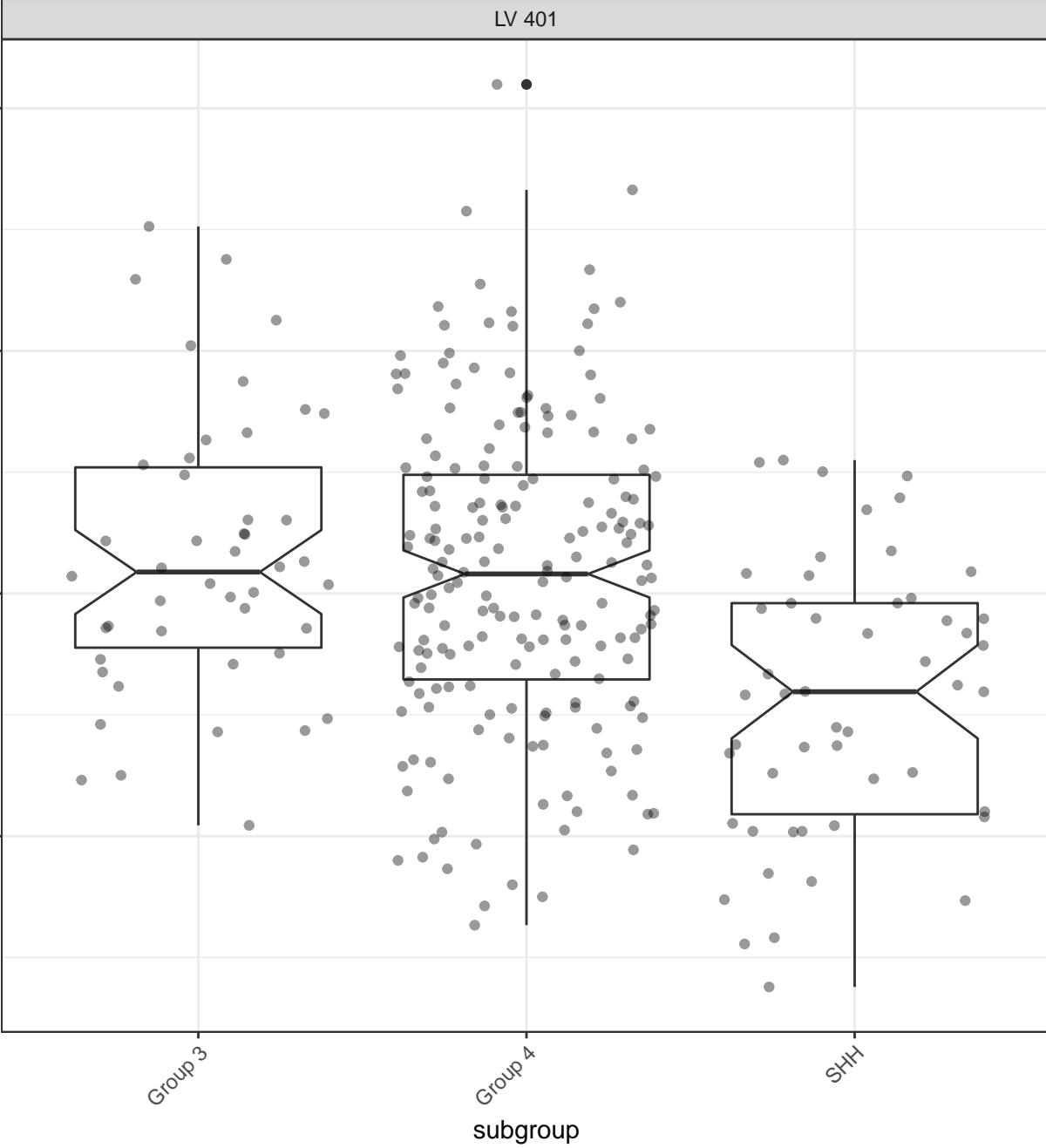
-0.04

Group 3

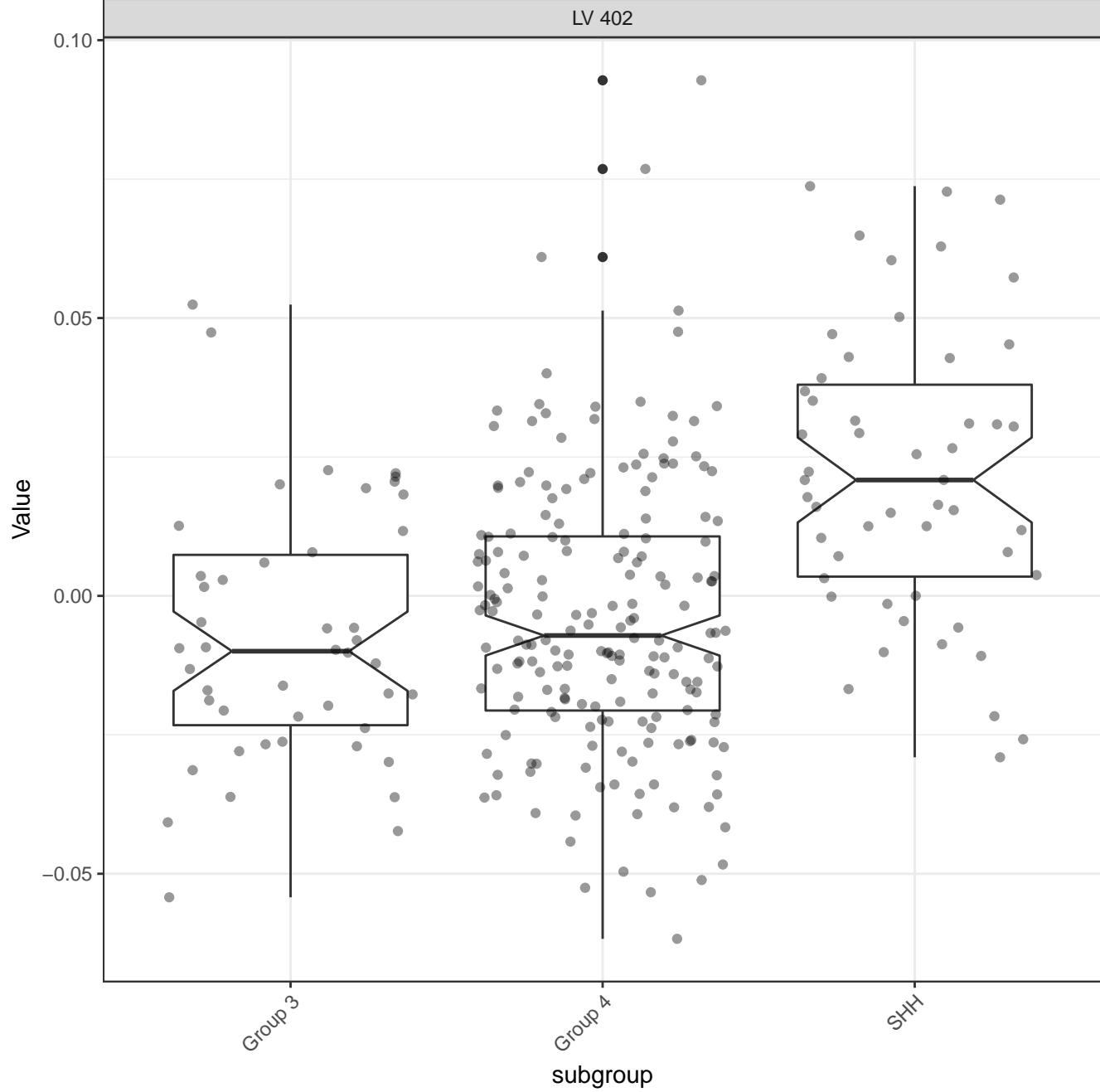
Group 4

SHH

subgroup



LV 402



LV 403

Value

0.05

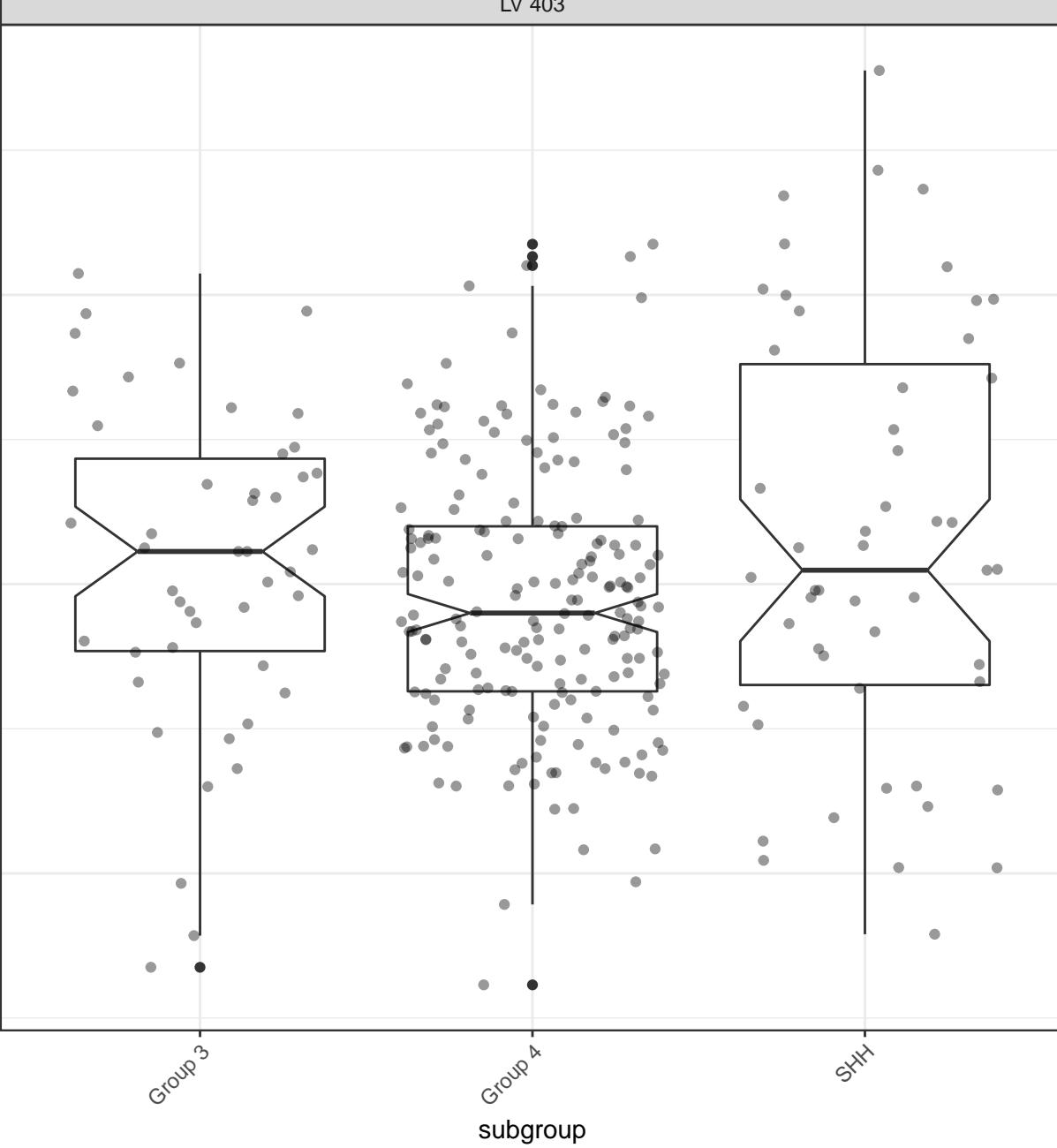
0.01

-0.05

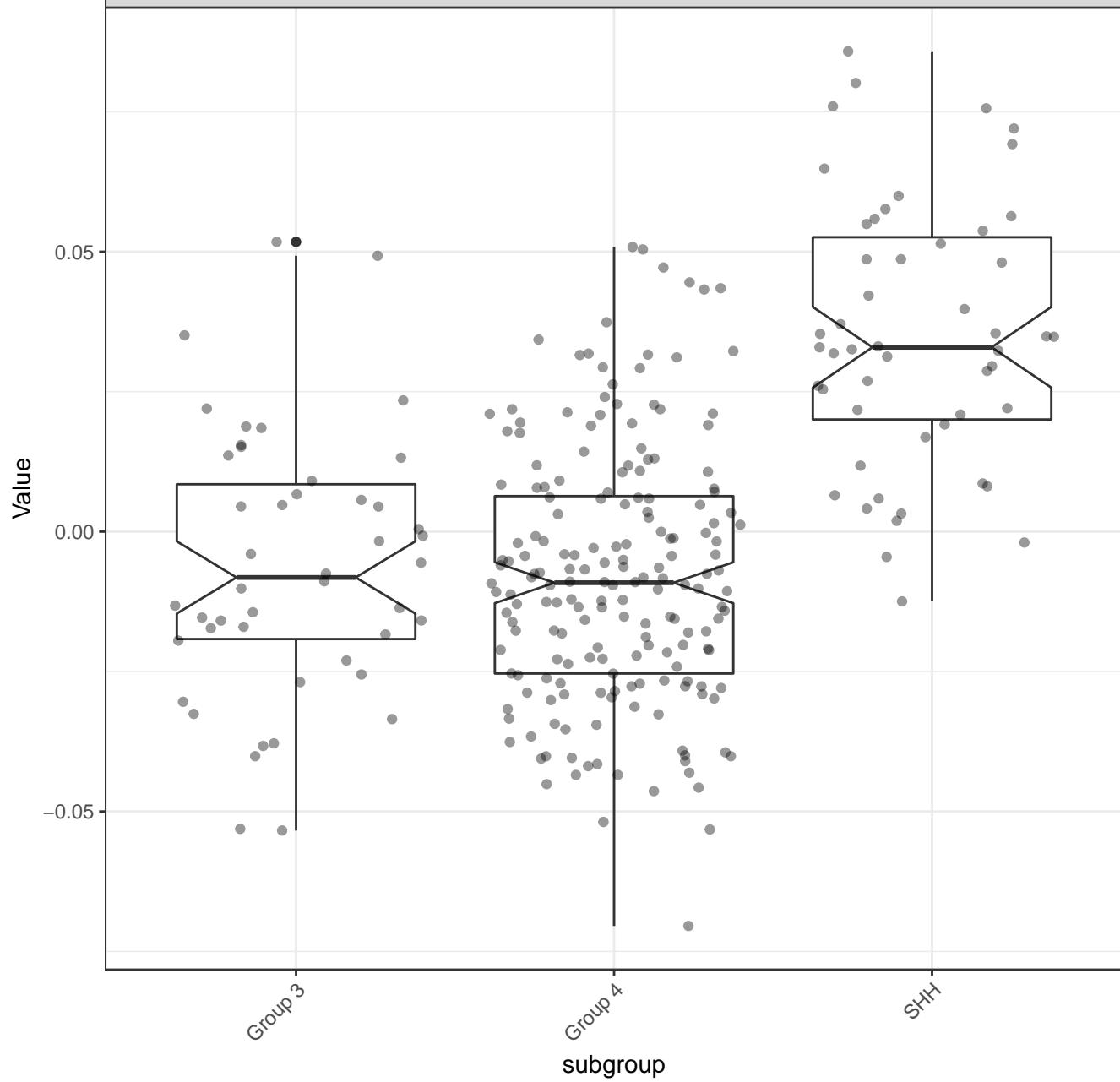
Group 3

subgroup

SHH

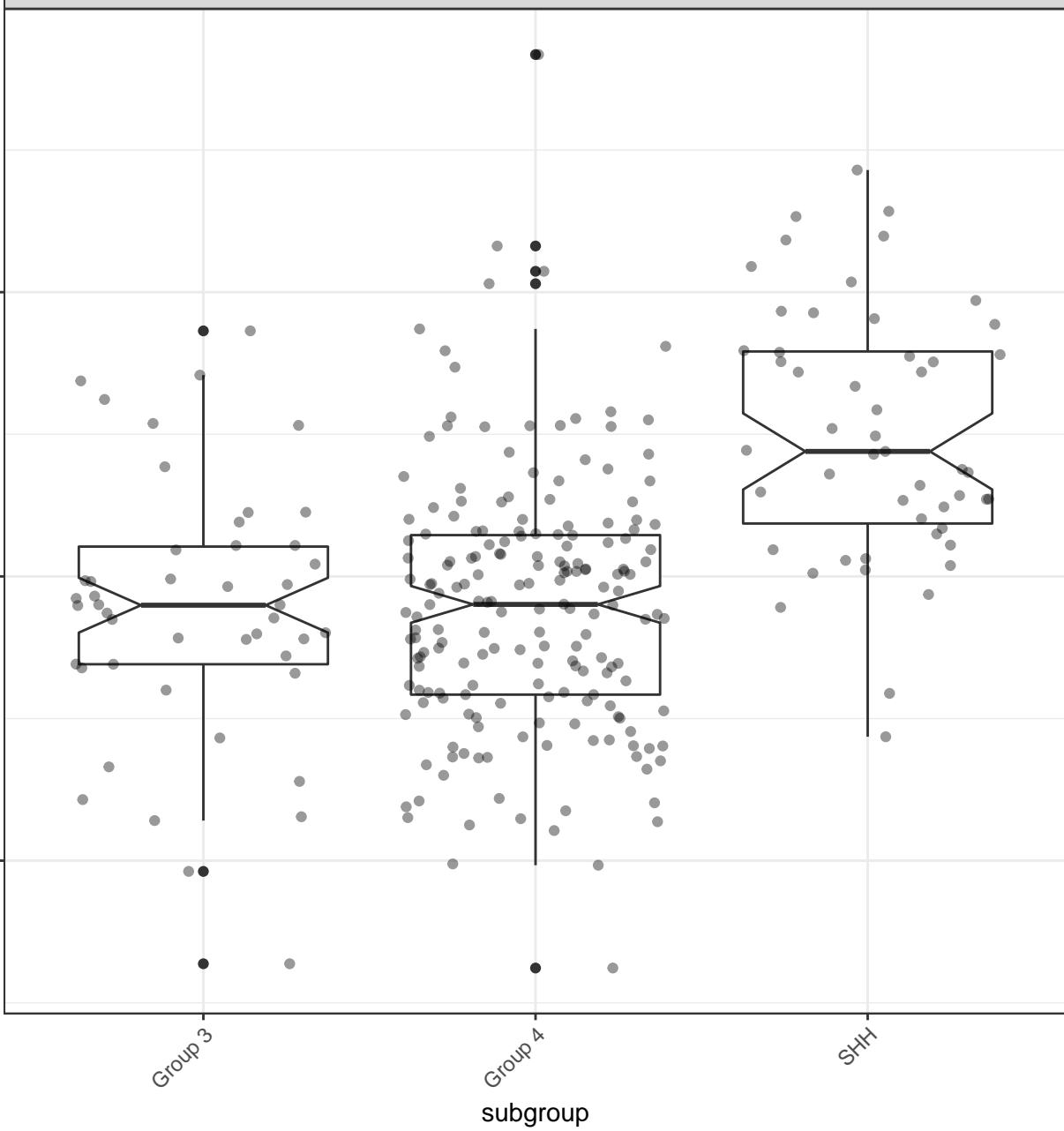


LV 404



LV 405

Value



LV 406

Value

0.10

0.05

0.00

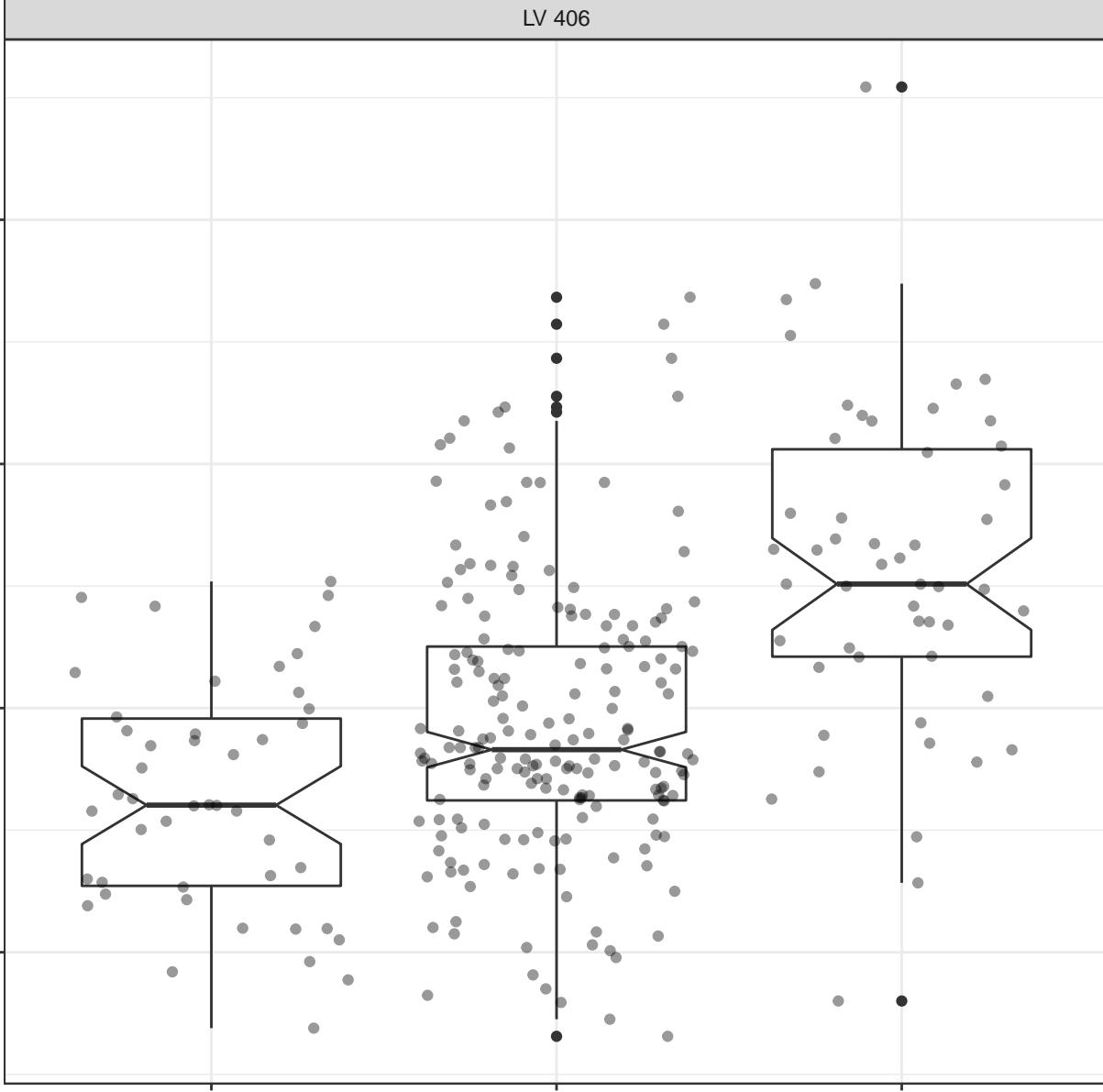
-0.05

Group 3

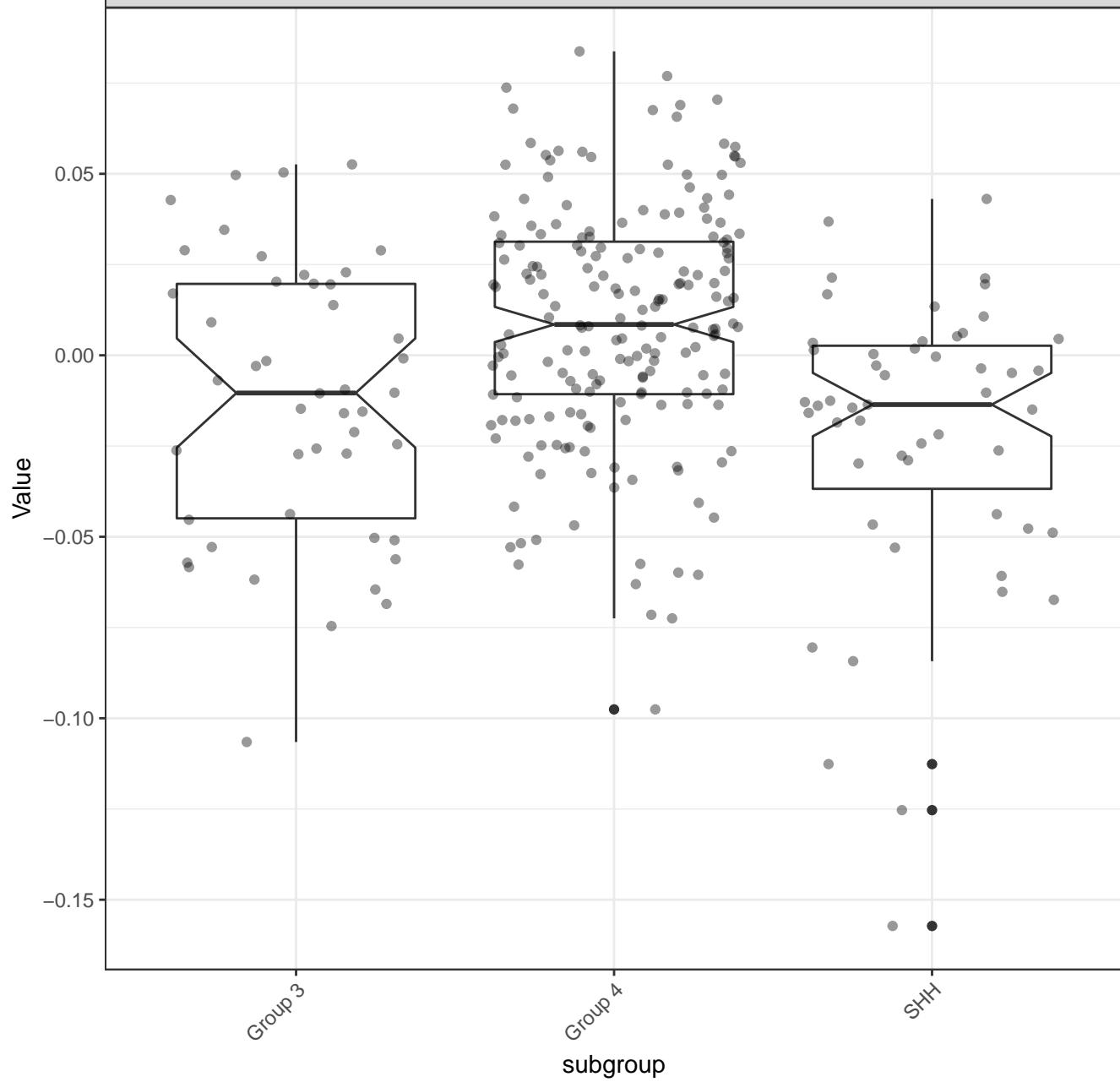
subgroup

Group 4

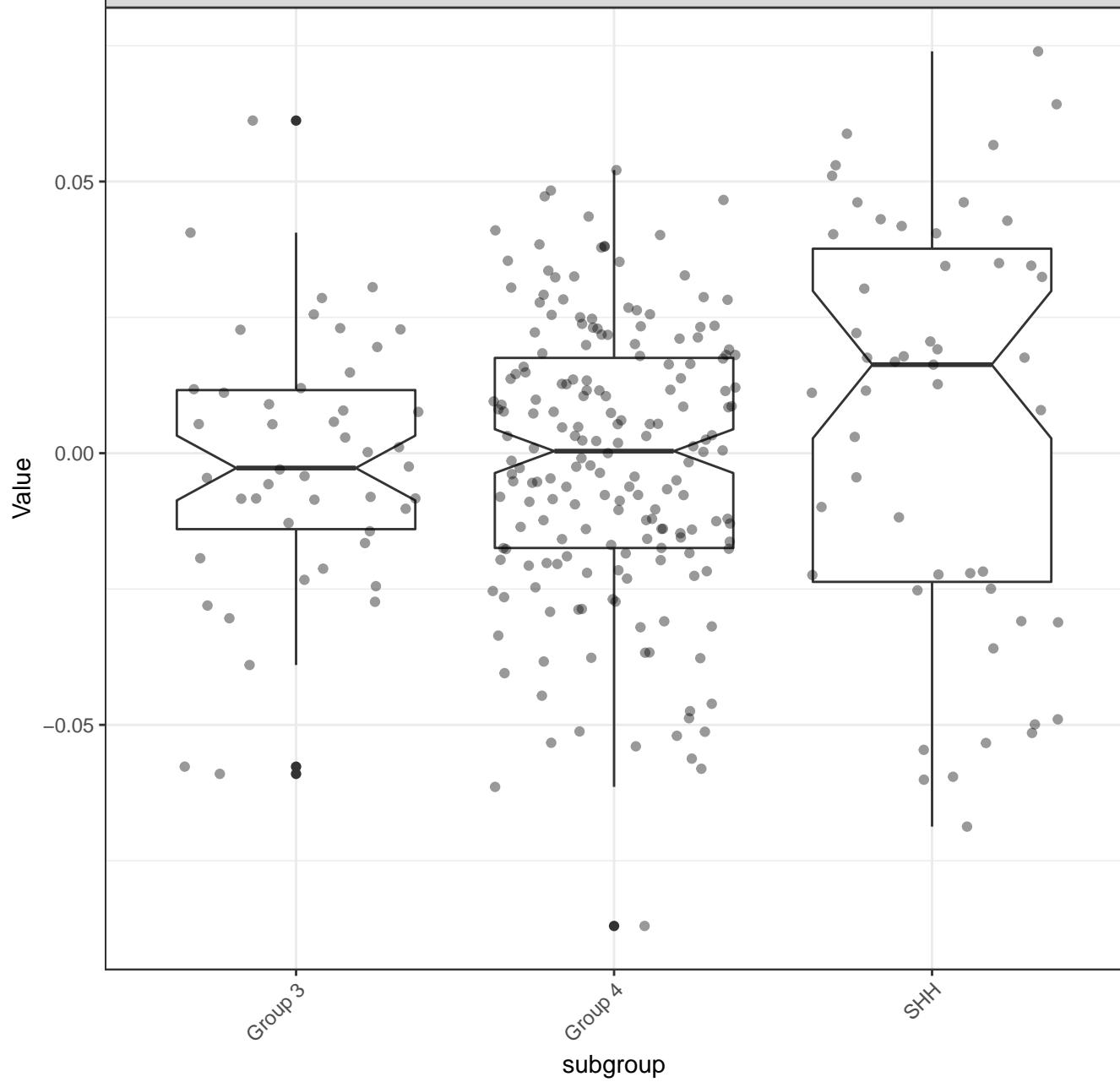
SHH



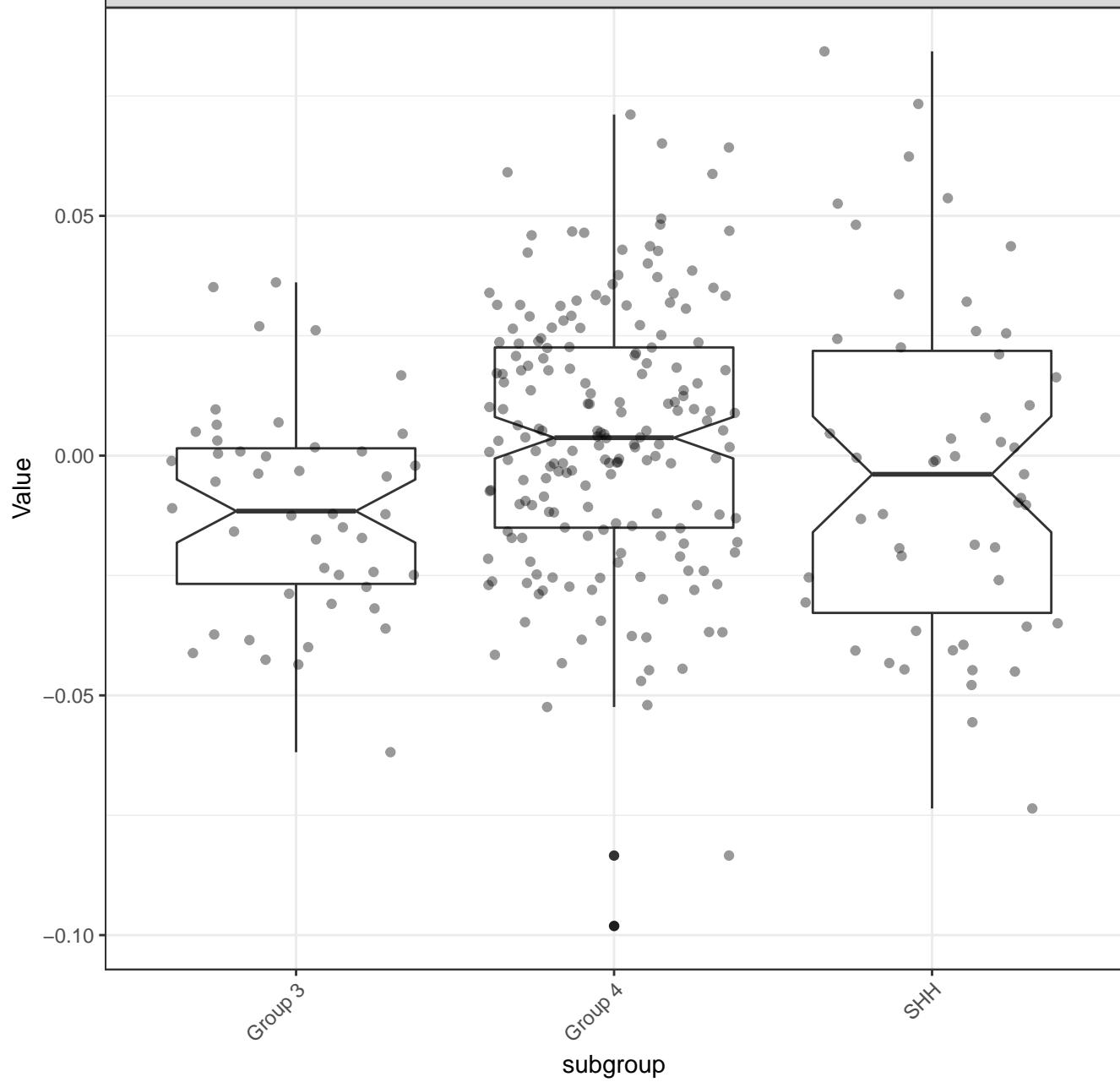
LV 407



LV 408



LV 409



LV 410

Value

0.08

0.04

0.00

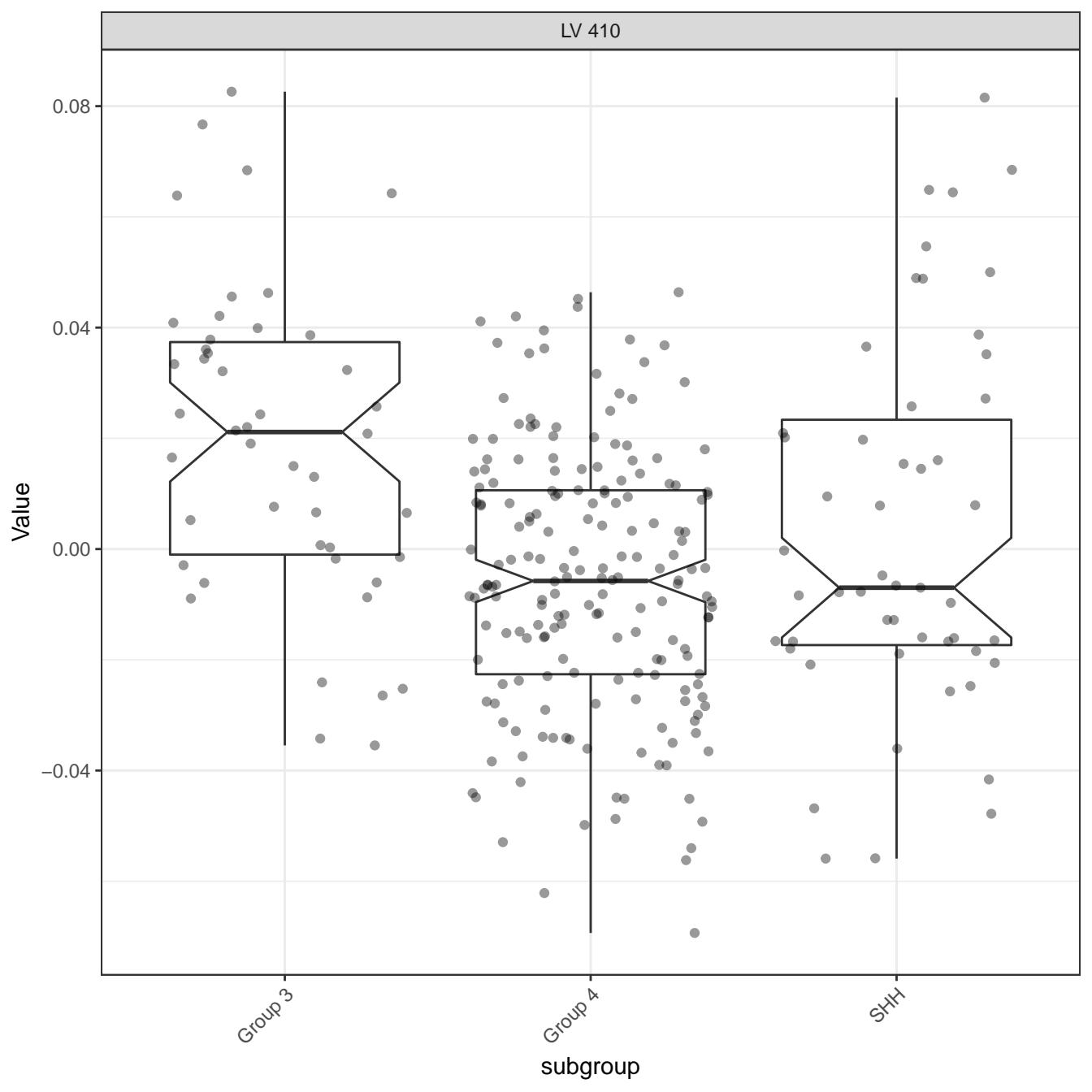
-0.04

Group 3

subgroup

SHH

Group 4



LV 411

Value

0.10

0.05

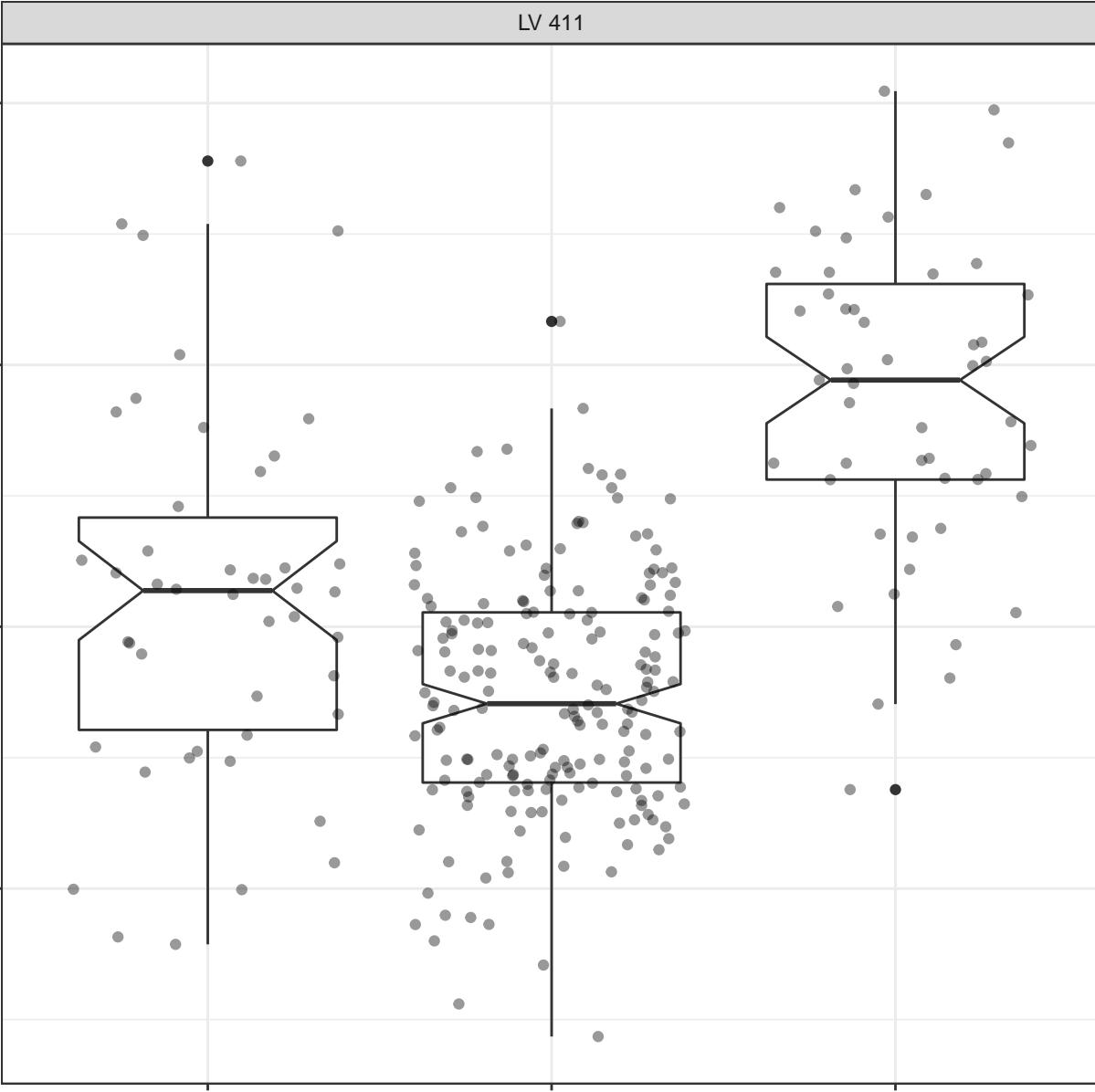
0.00

-0.05

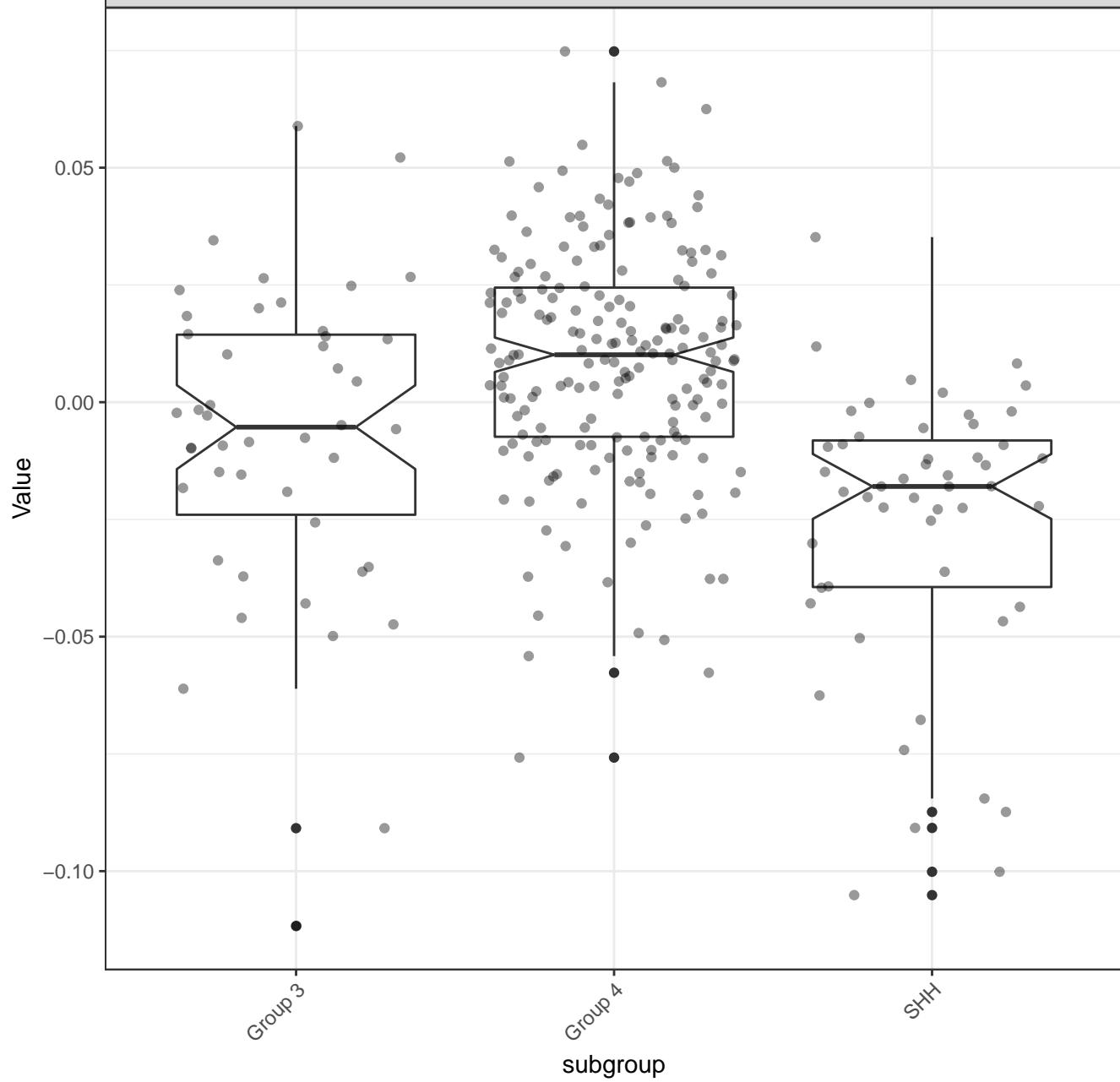
Group 3

subgroup

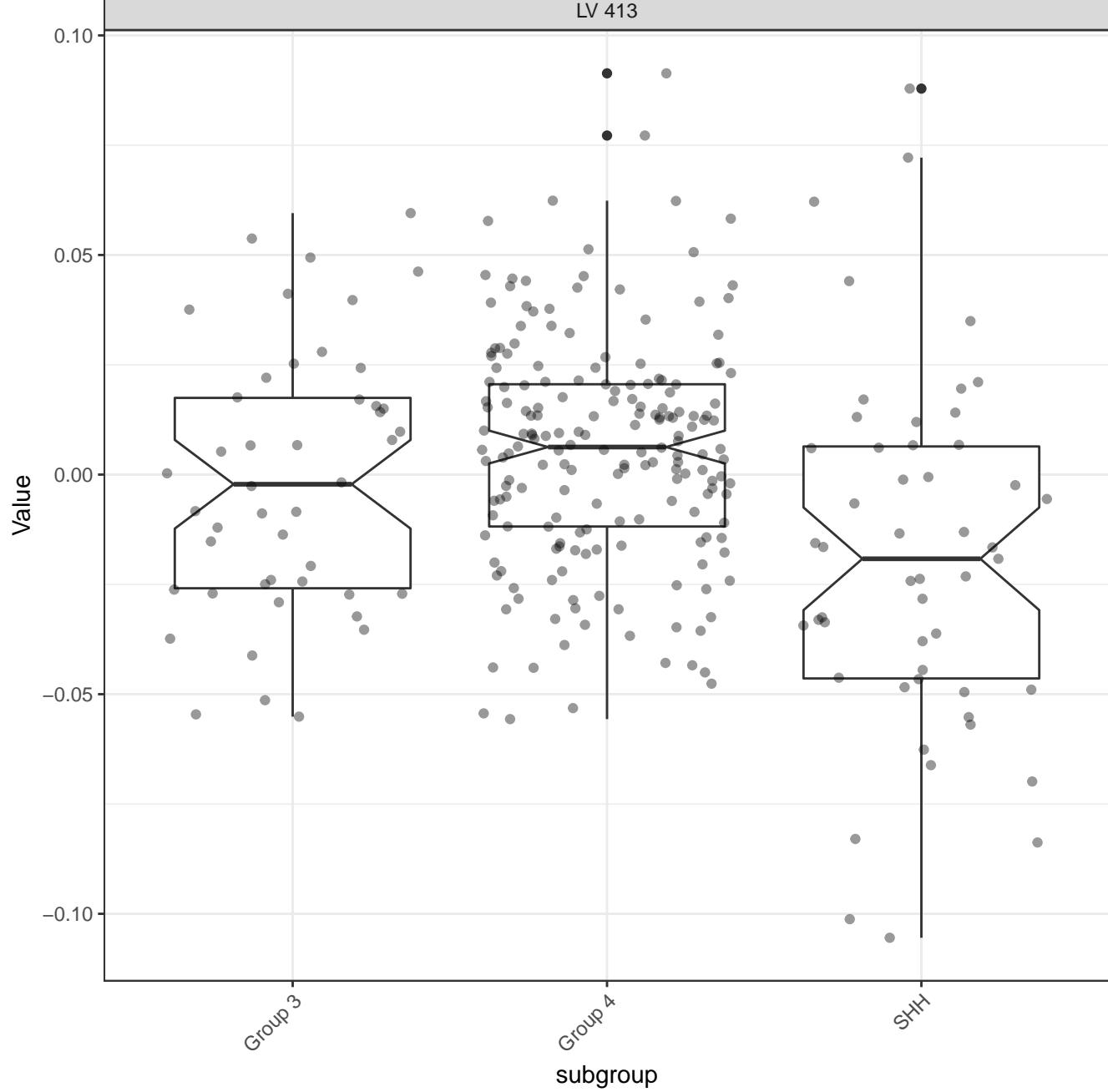
SHH



LV 412



LV 413



LV 414

Value

0.10

0.05

0.00

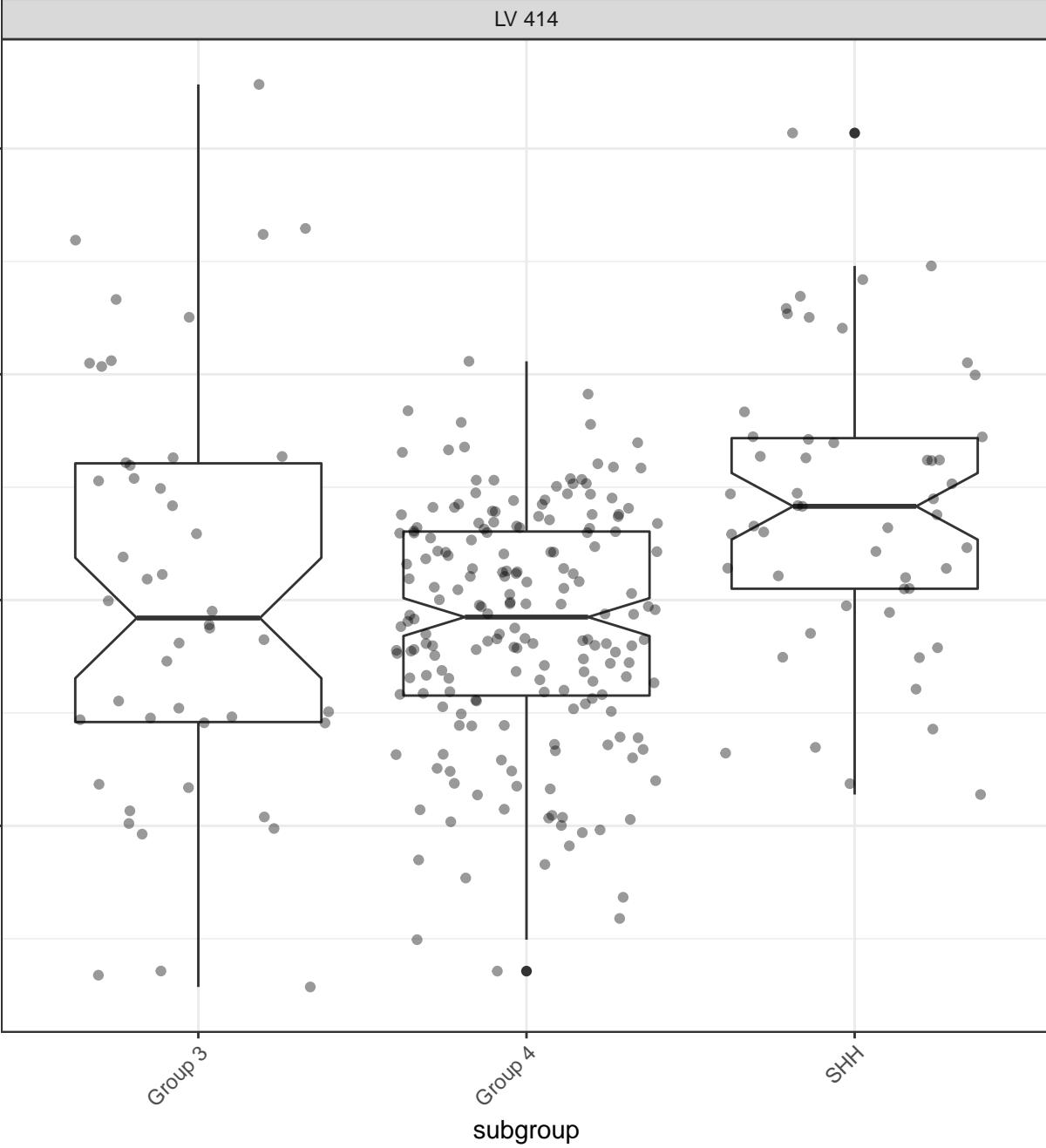
-0.05

Group 3

Group 4

SHH

subgroup



LV 415

Value

0.10

0.05

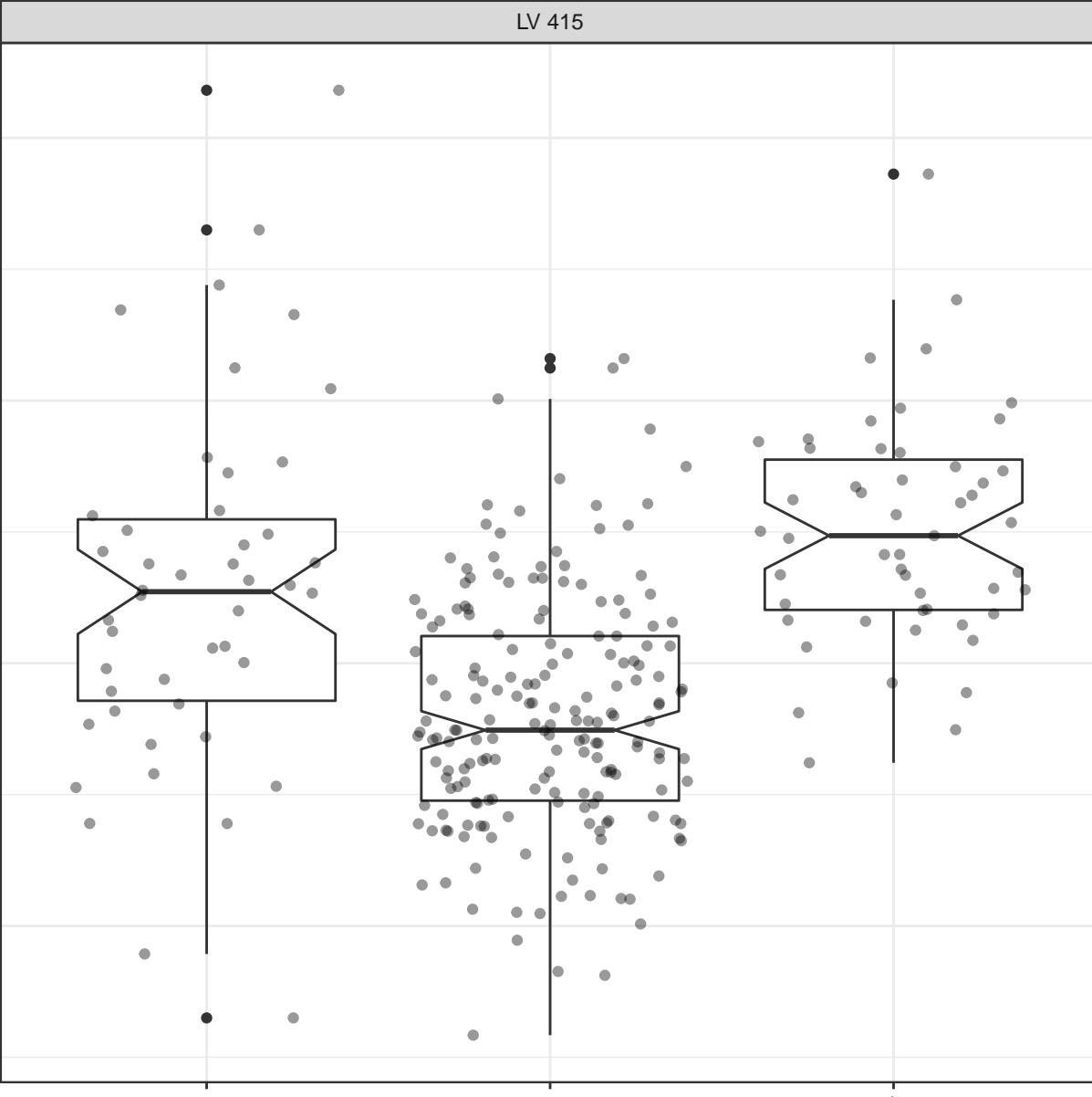
0.00

-0.05

Group 3

subgroup

SHH



LV 416

Value

0.05

0.00

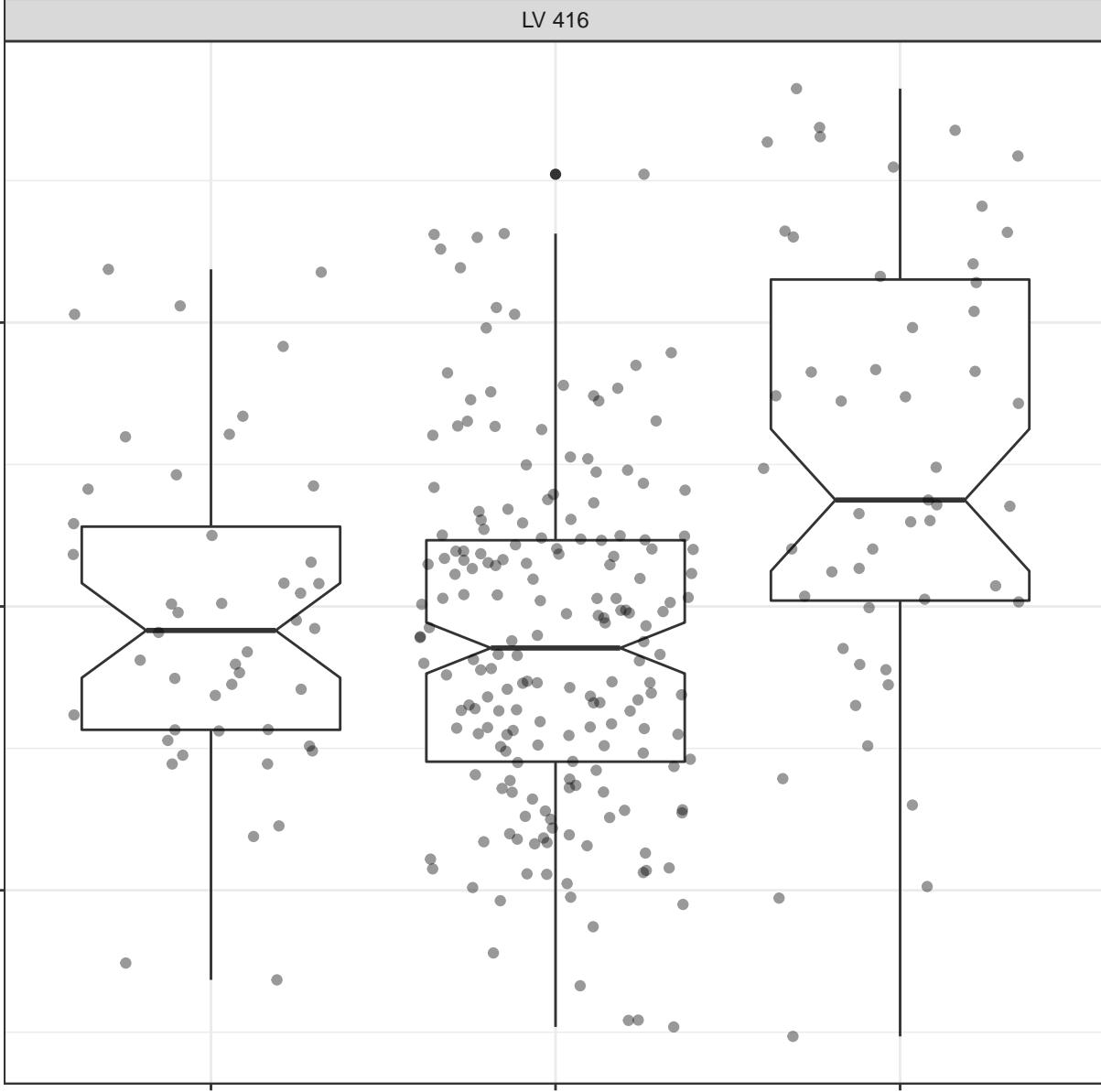
-0.05

Group 3

subgroup

Group 4

SHH



LV 417

Value

0.10

0.05

0.00

-0.05

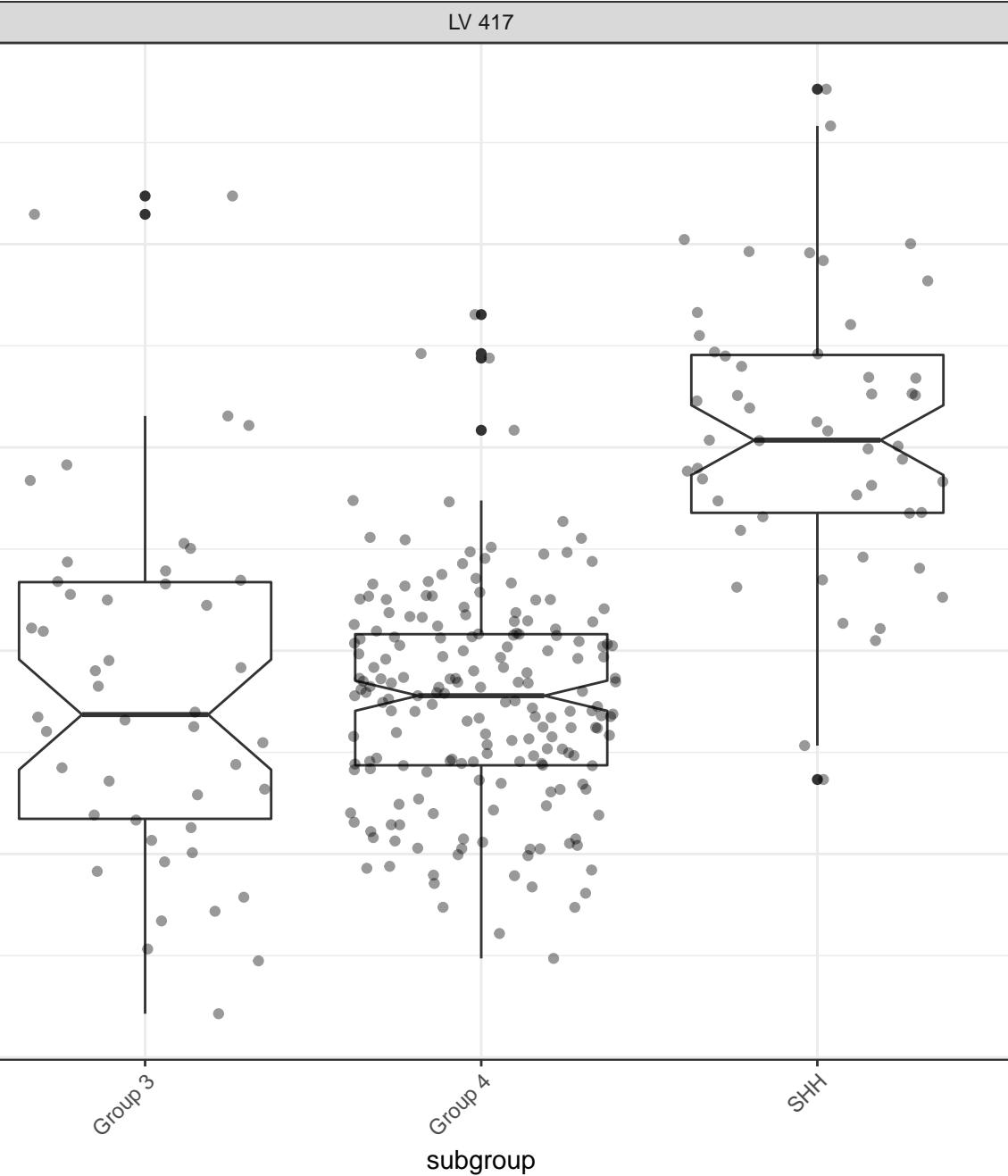
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.1

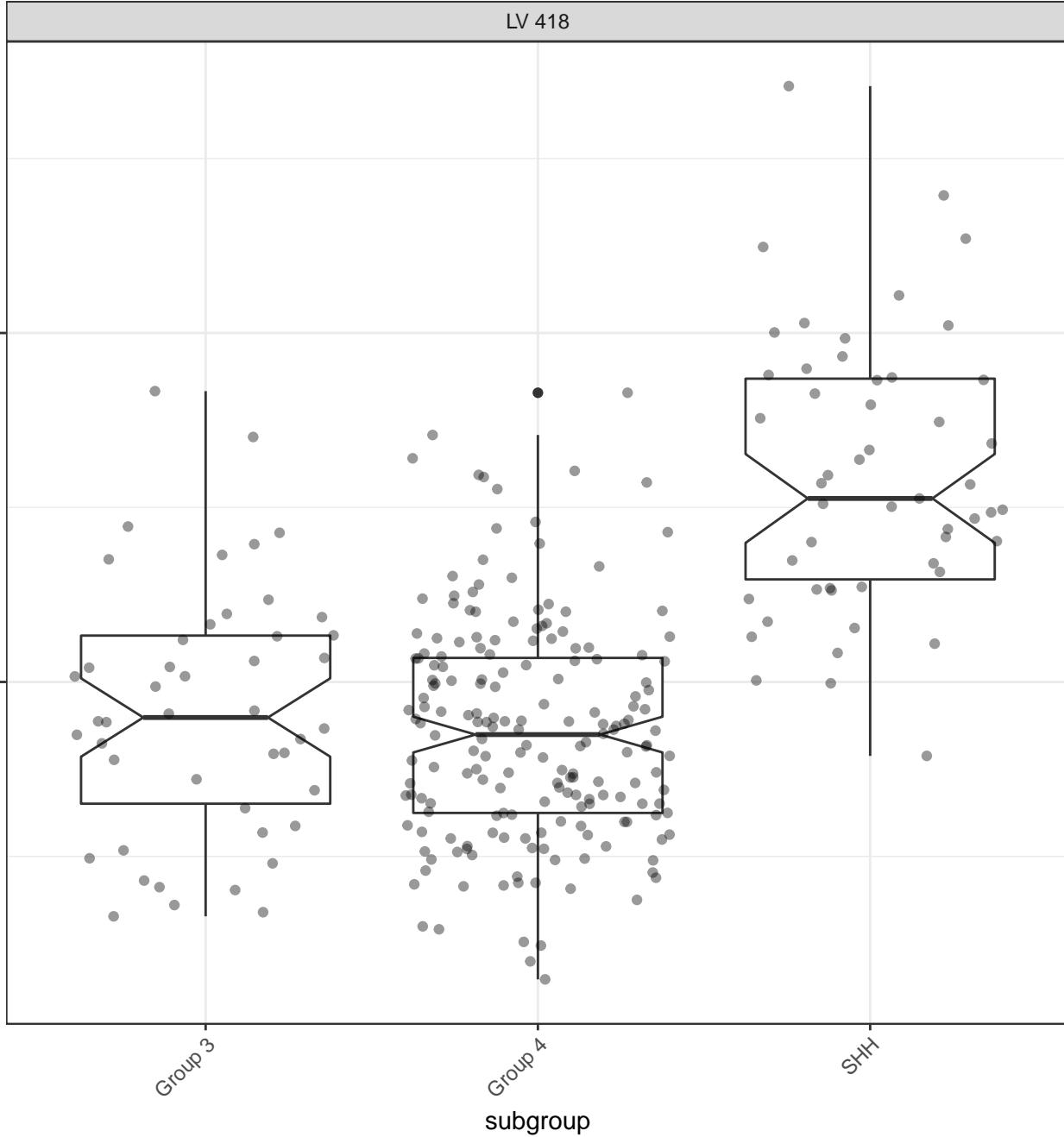
0.0

Group 3

Group 4

SHH

subgroup



Value

0.1

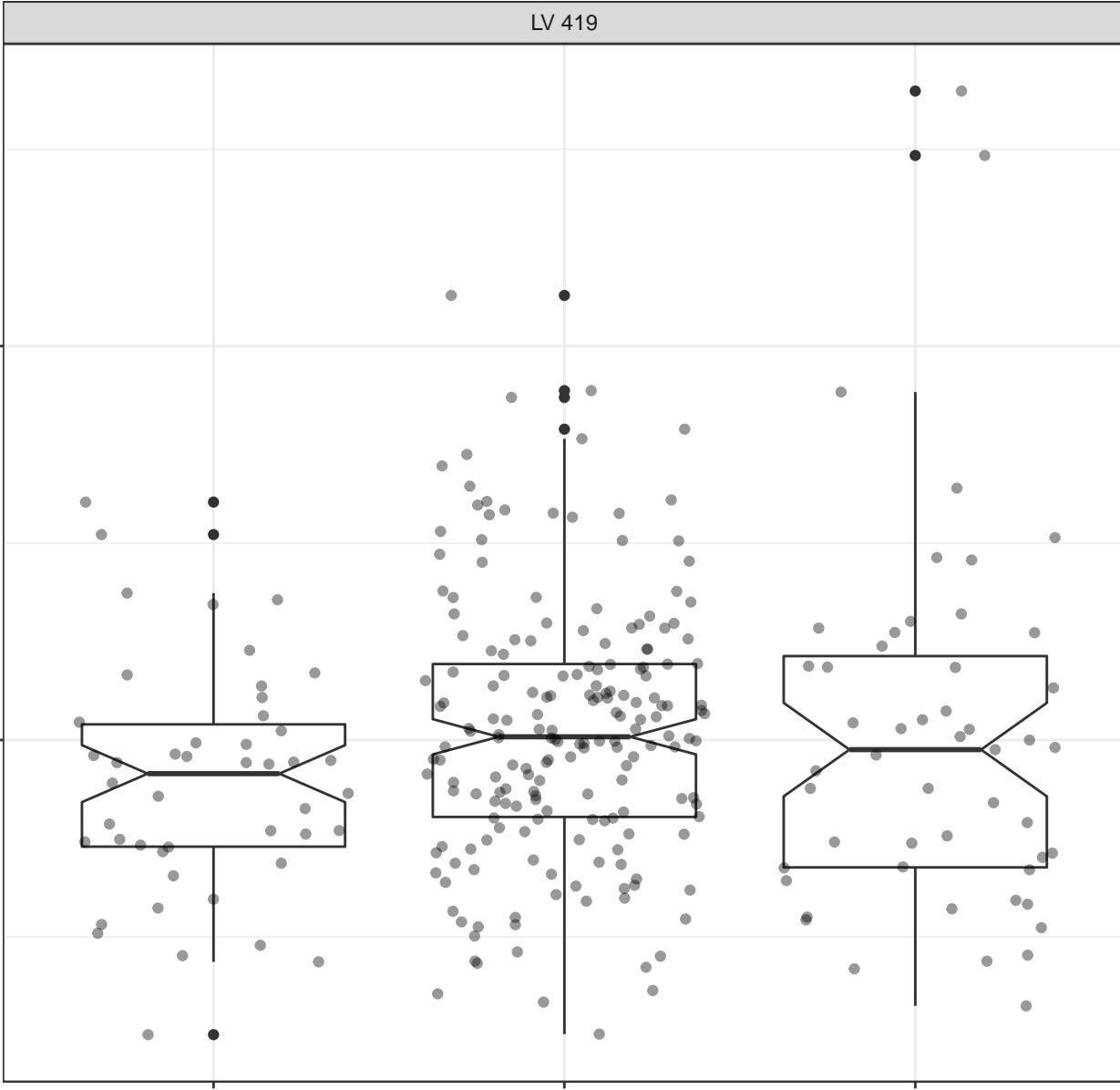
0.0

Group 3

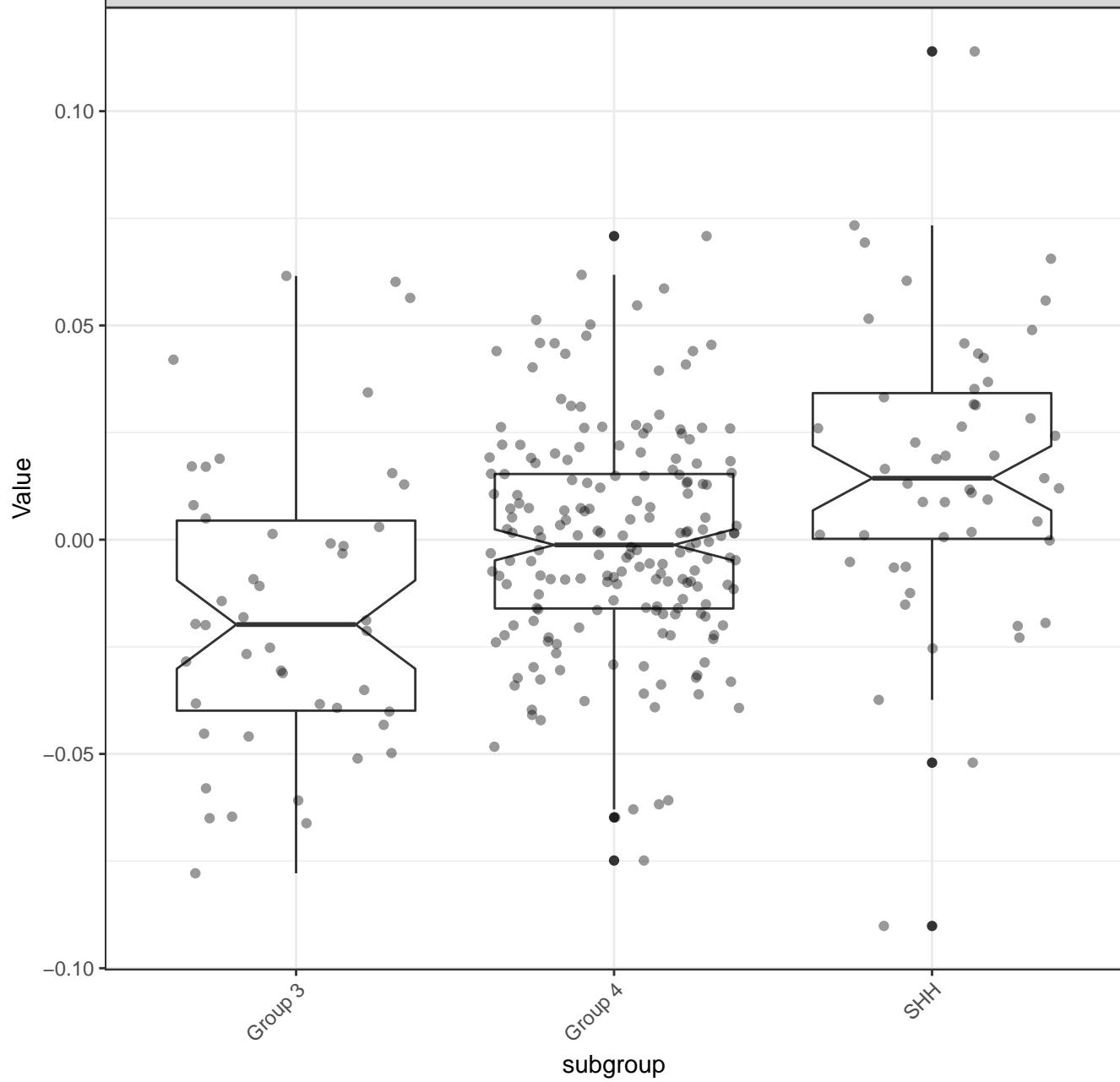
Group 4

SHH

subgroup



LV 420



LV 421

Value

0.10

0.05

0.00

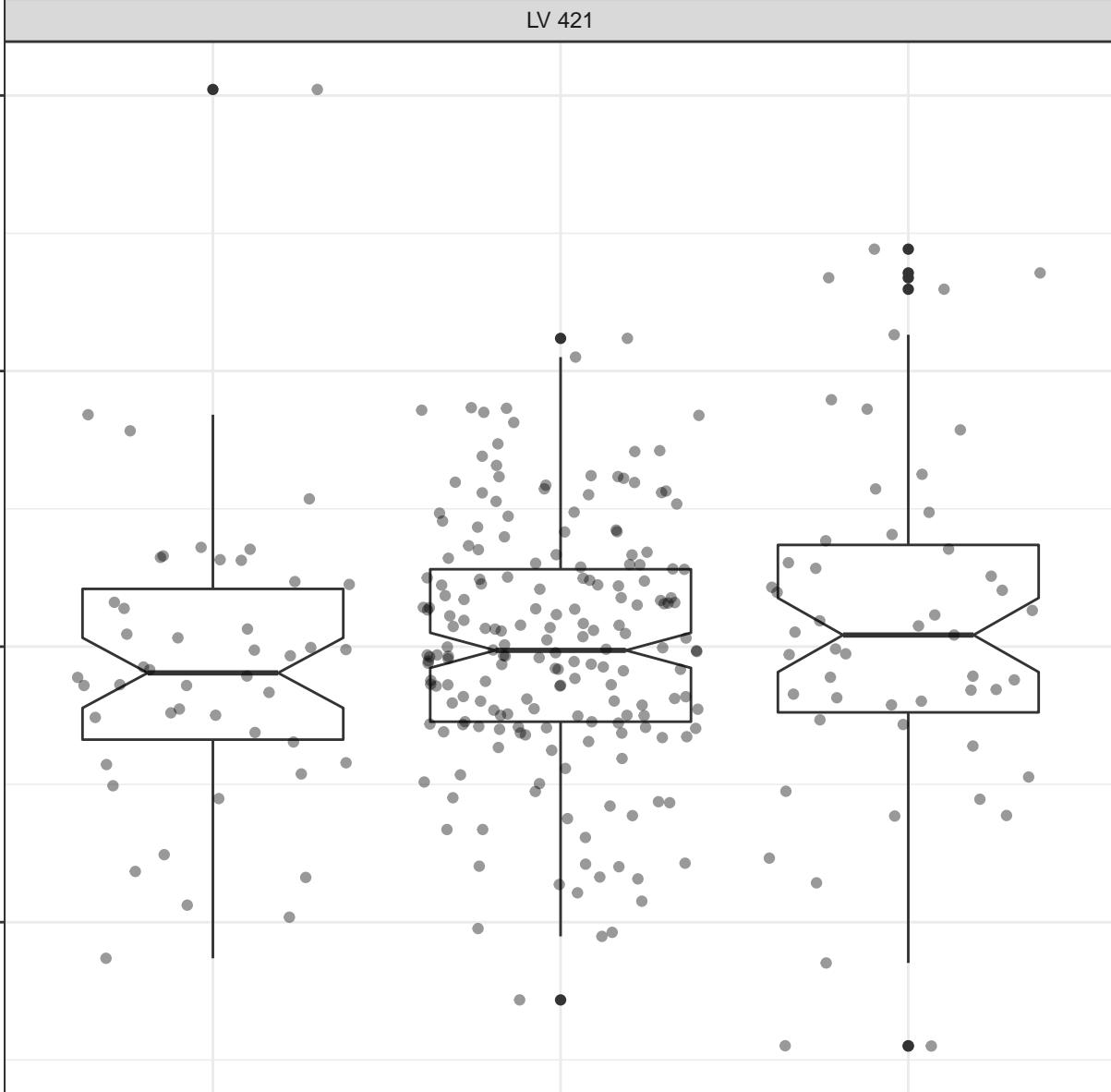
-0.05

Group 3

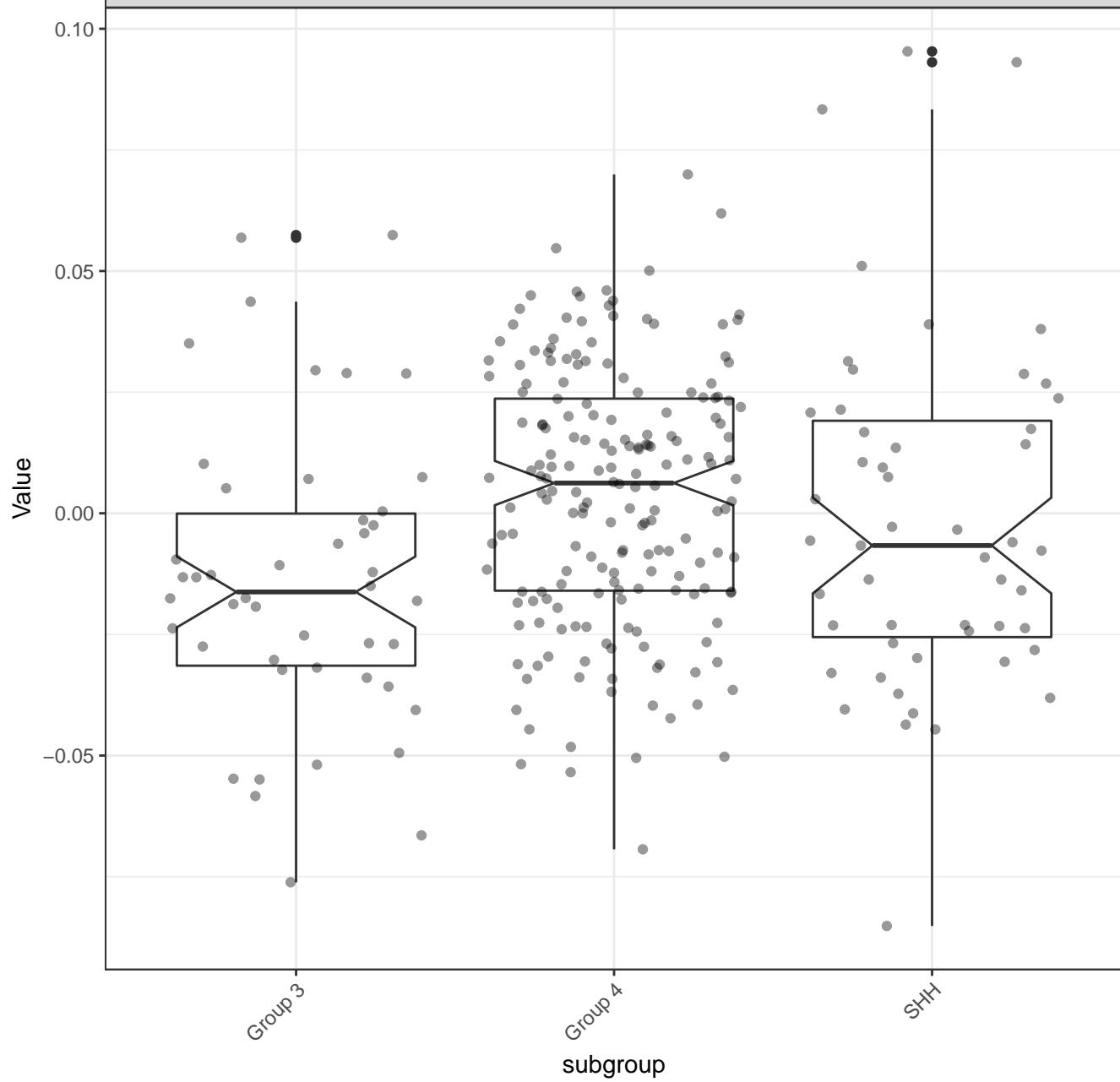
subgroup

Group 4

SHH



LV 422



LV 423

Vvalue

0.08

0.04

0.00

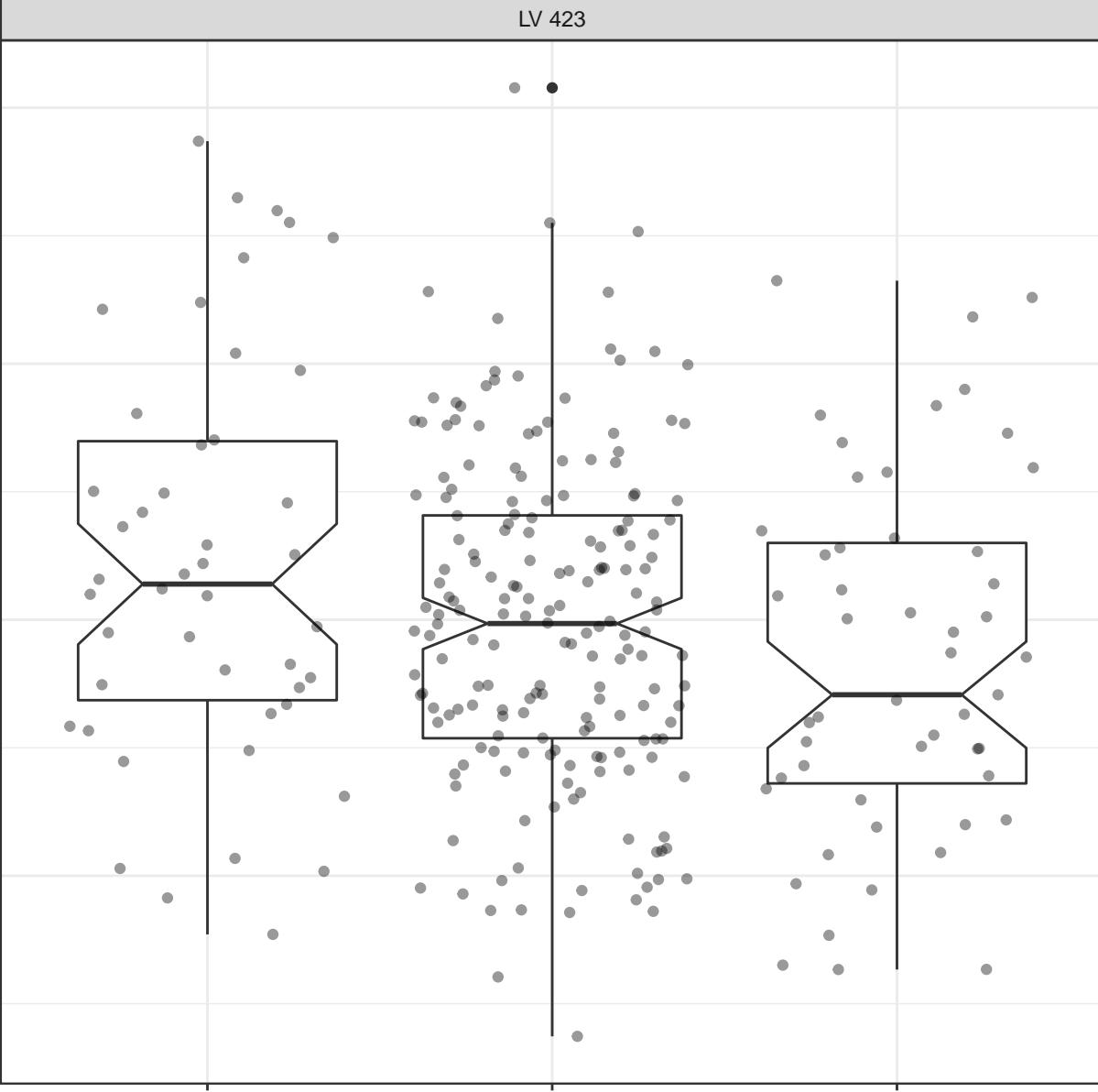
-0.04

Group 3

subgroup

Group 4

SHH



LV 424

Value

0.05

0.00

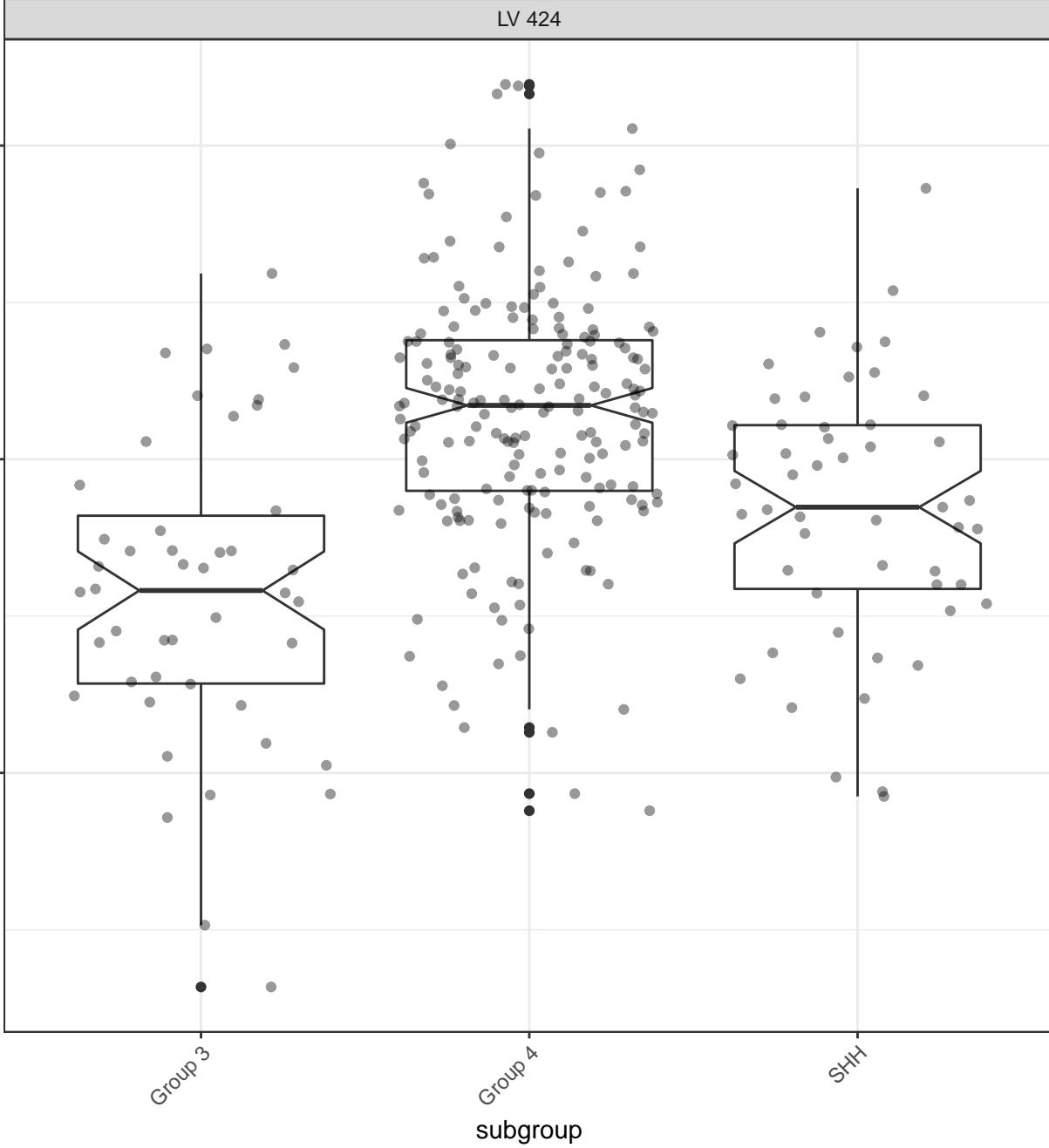
-0.05

Group 3

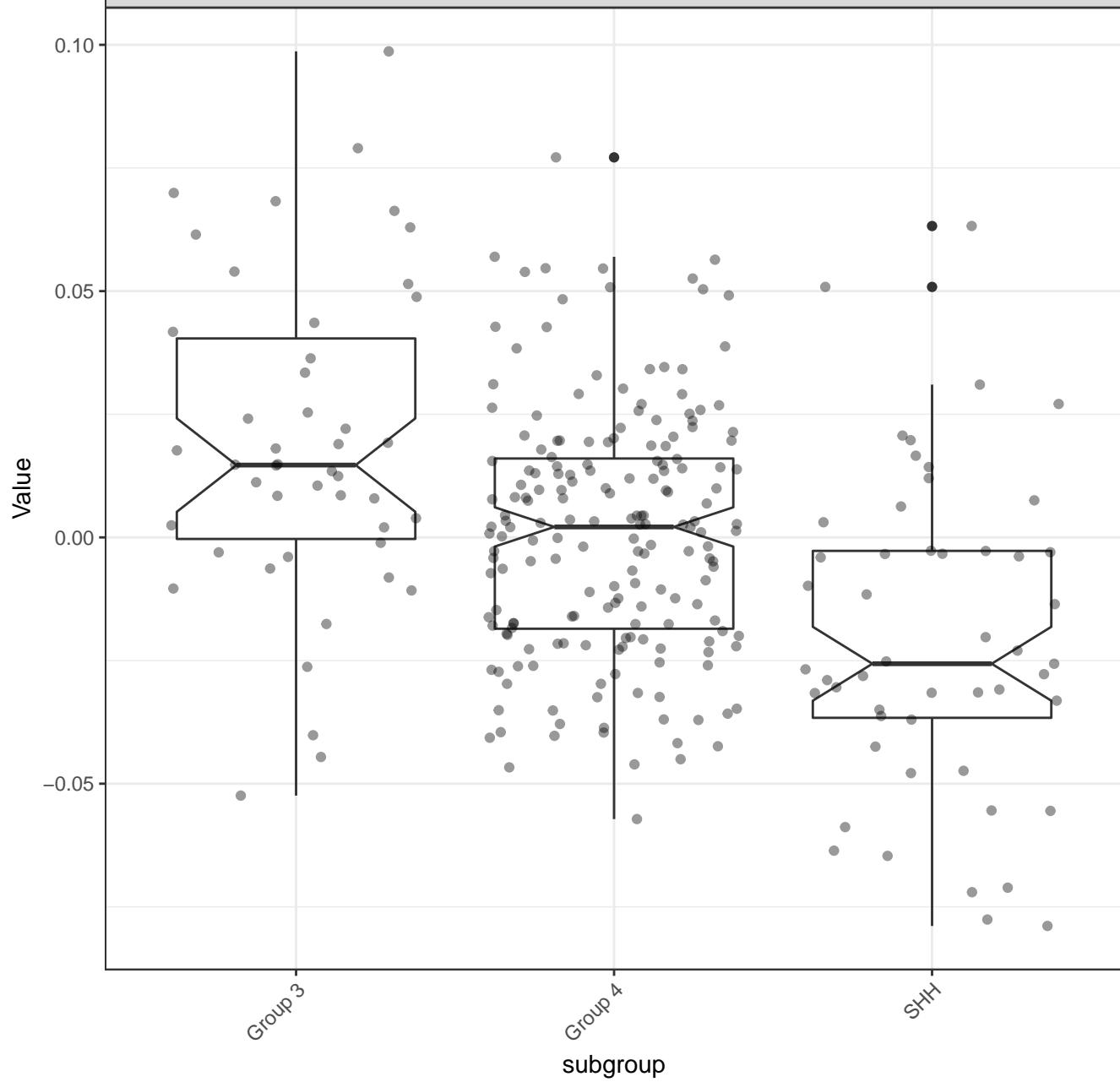
Group 4

SHH

subgroup



LV 425



LV 426

Value

0.04

0.00

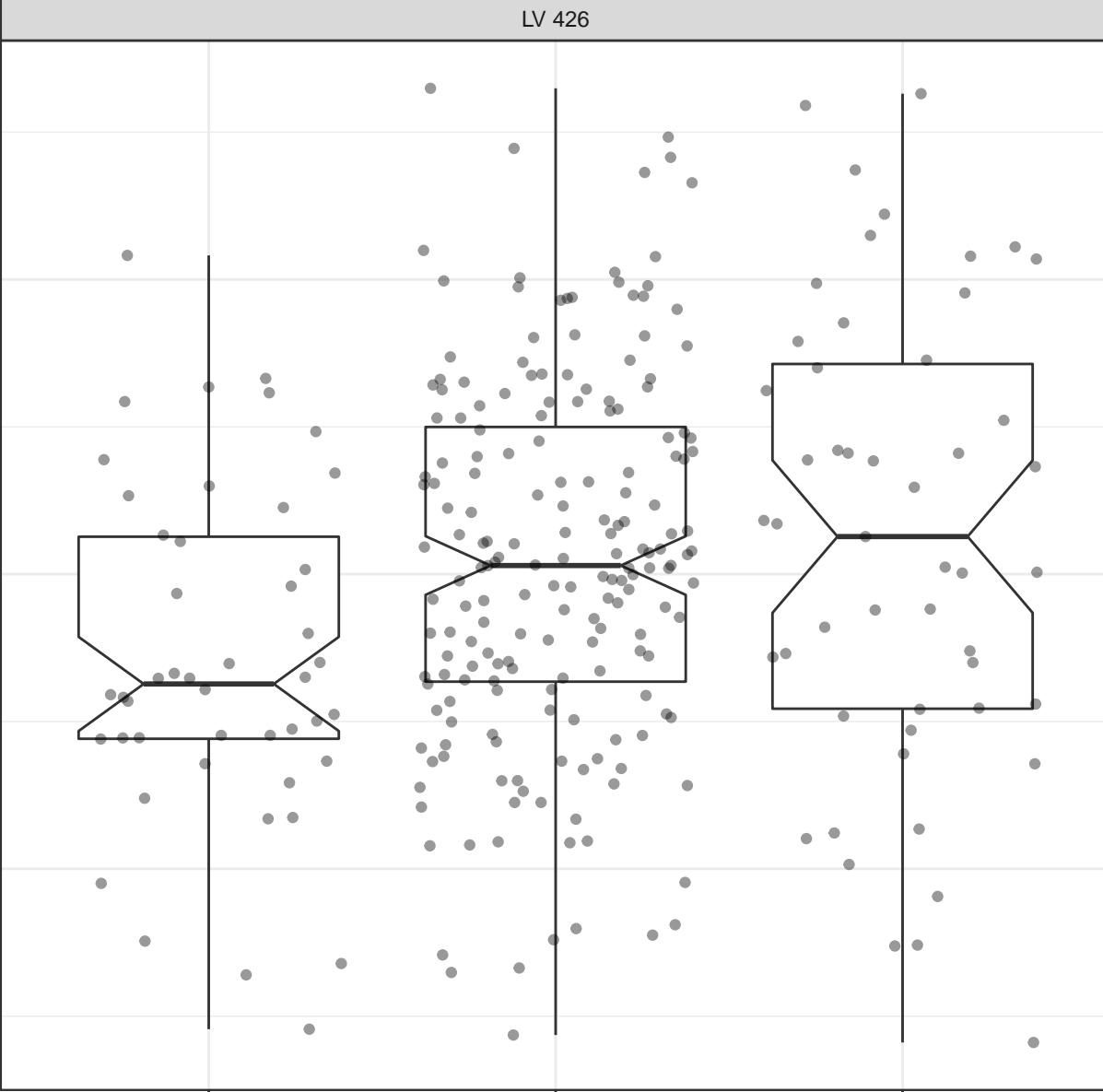
-0.04

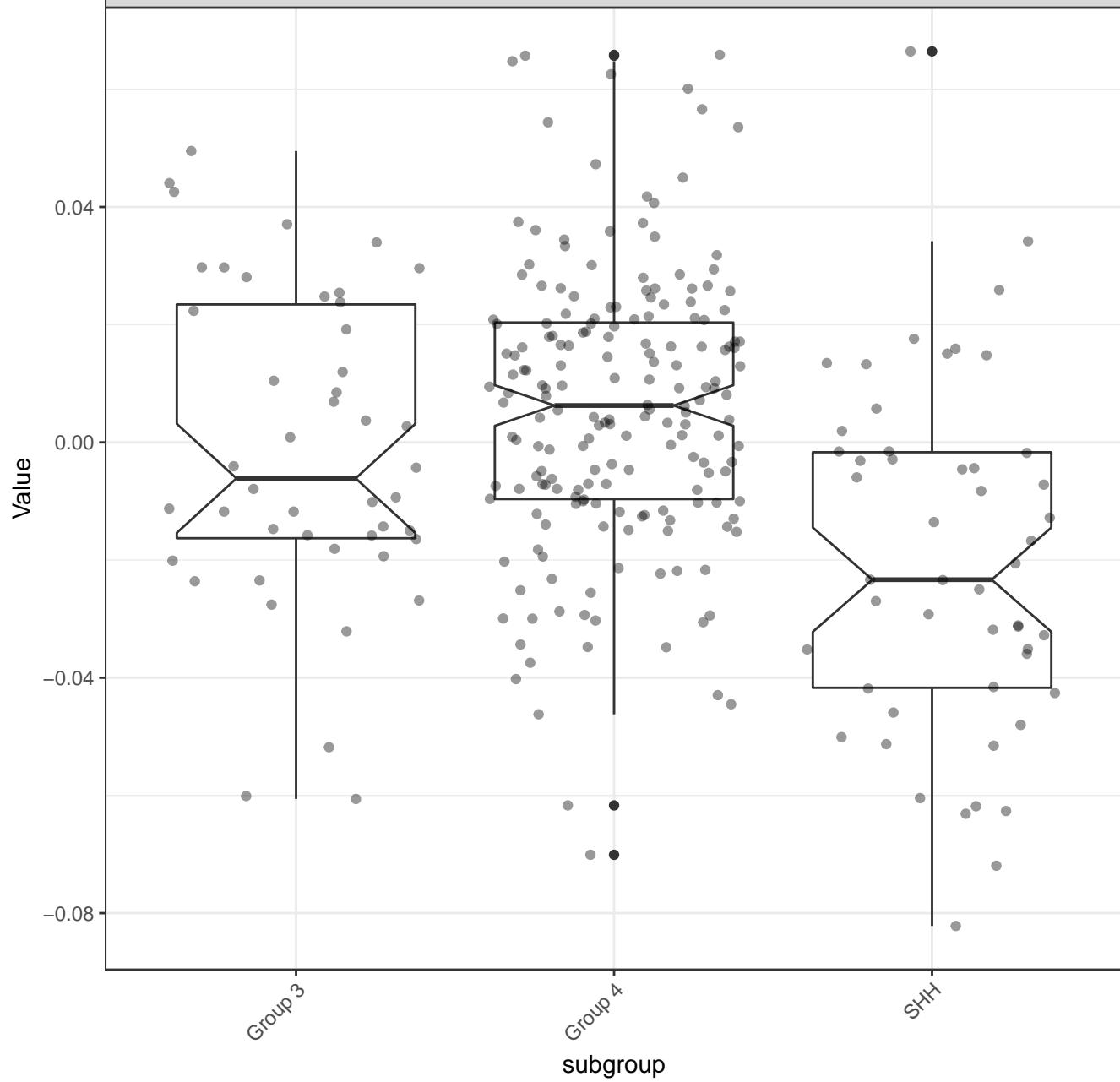
Group 3

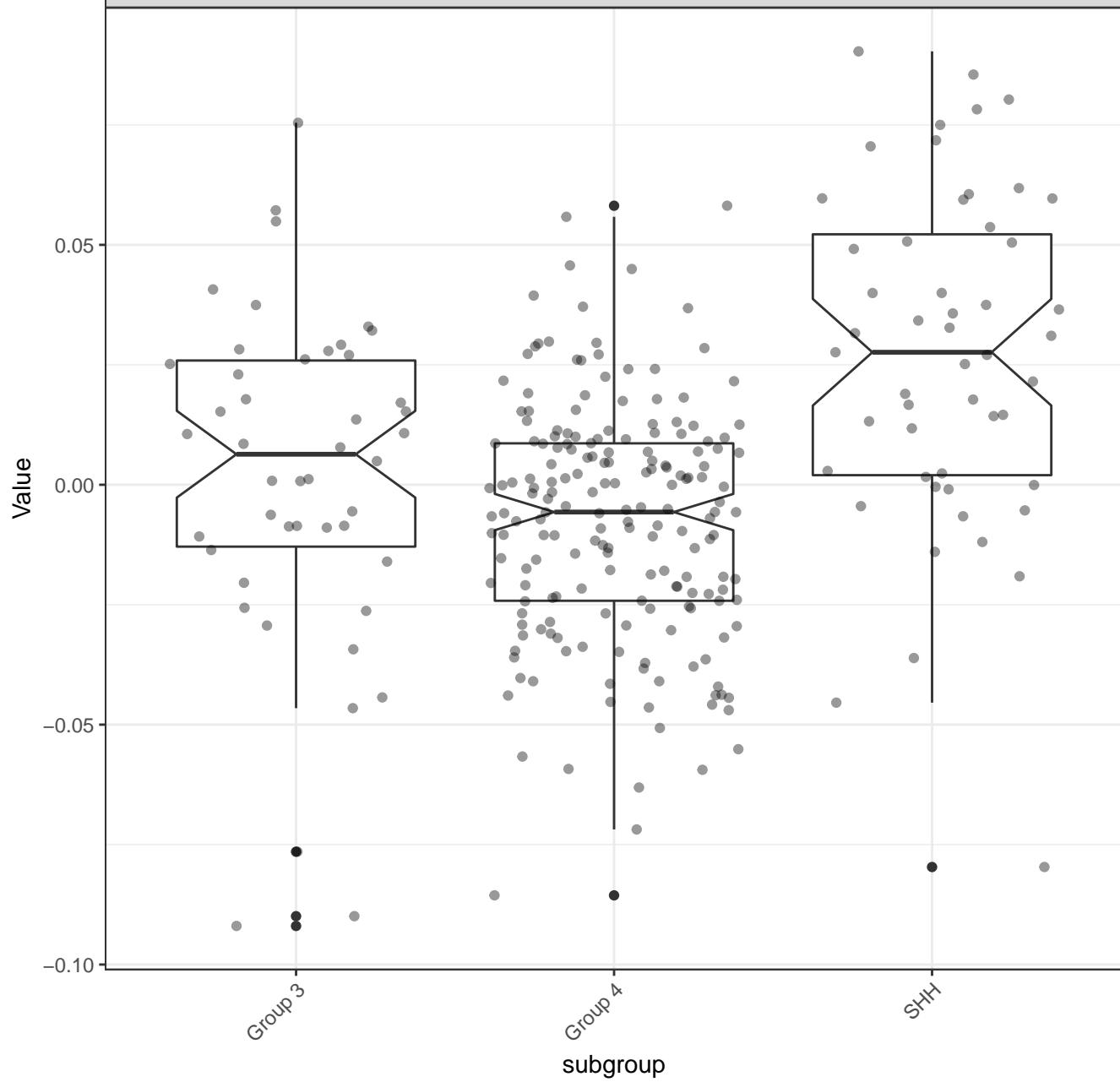
subgroup

SHH

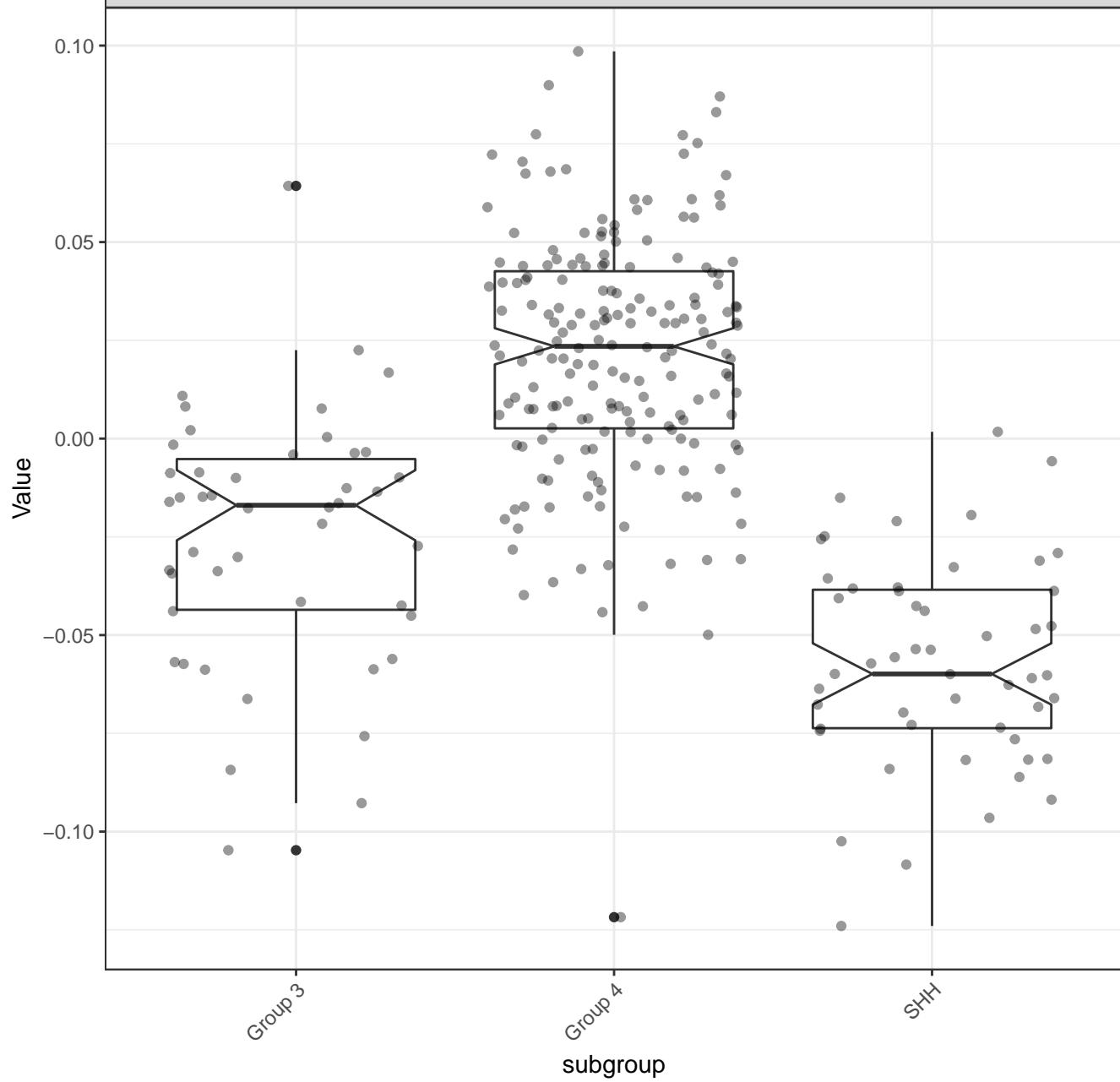
Group 4







LV 429



LV 430

Value

0.15

0.10

0.05

0.00

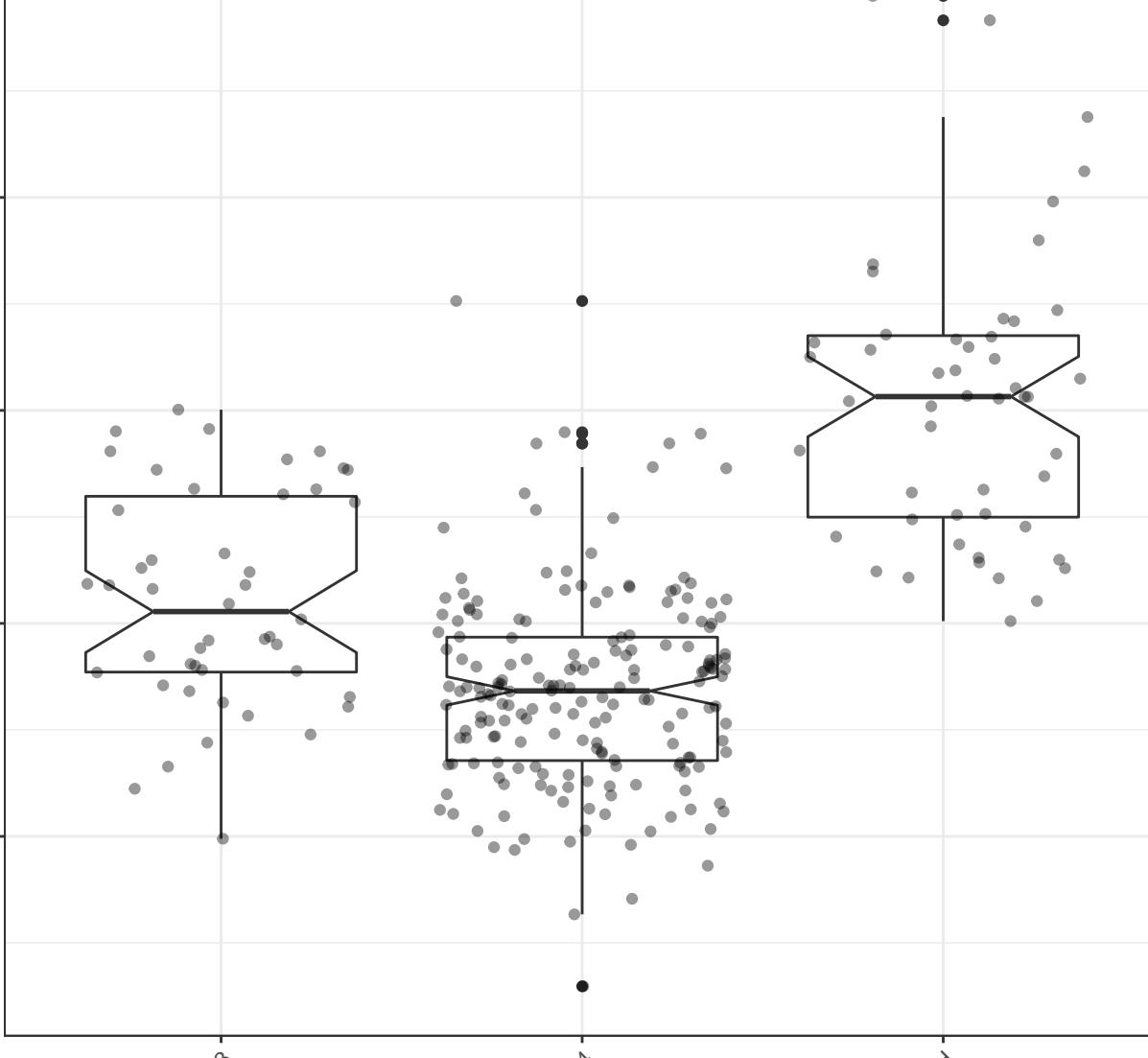
-0.05

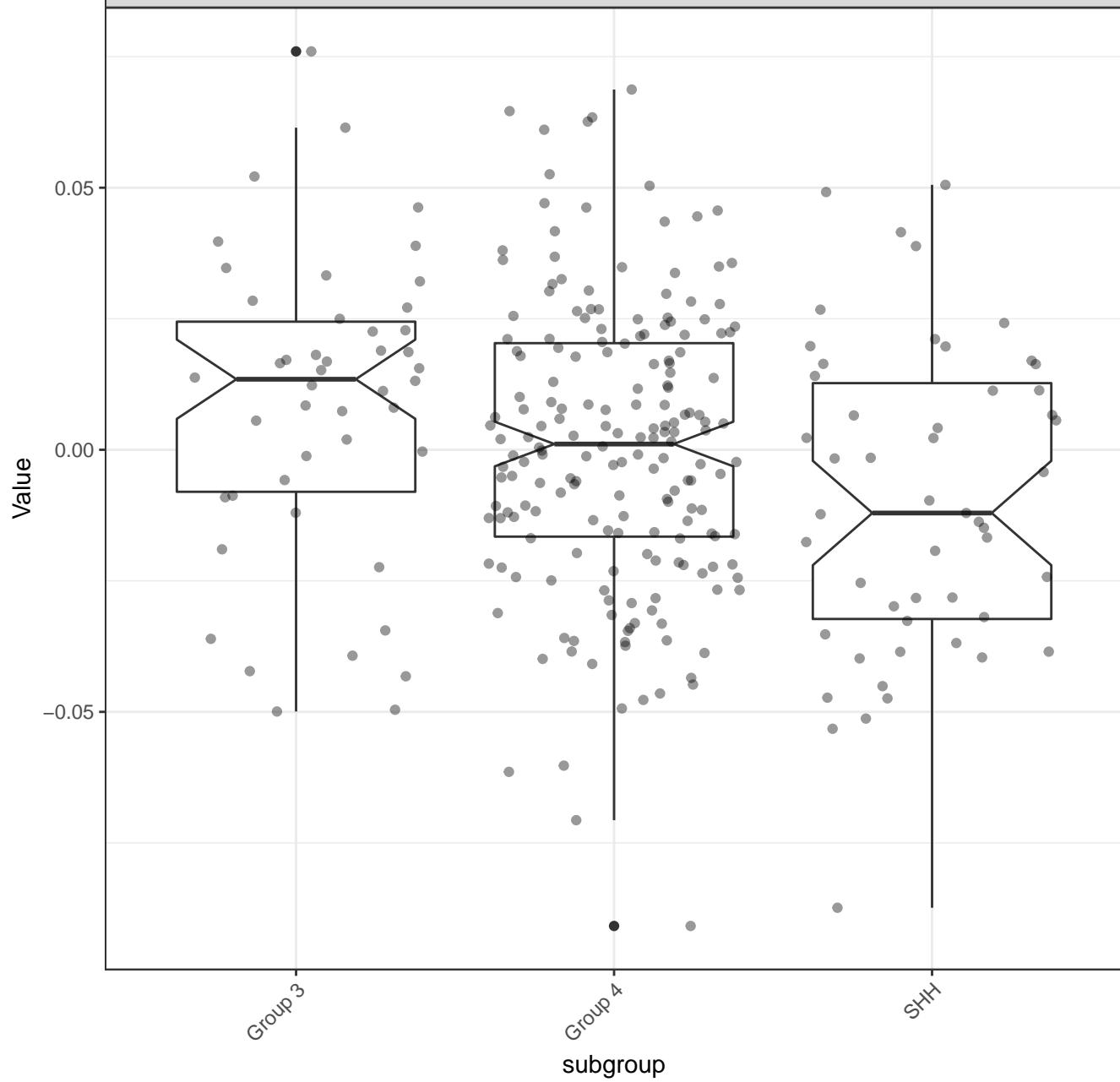
Group 3

Group 4

SHH

subgroup





LV 432

Value

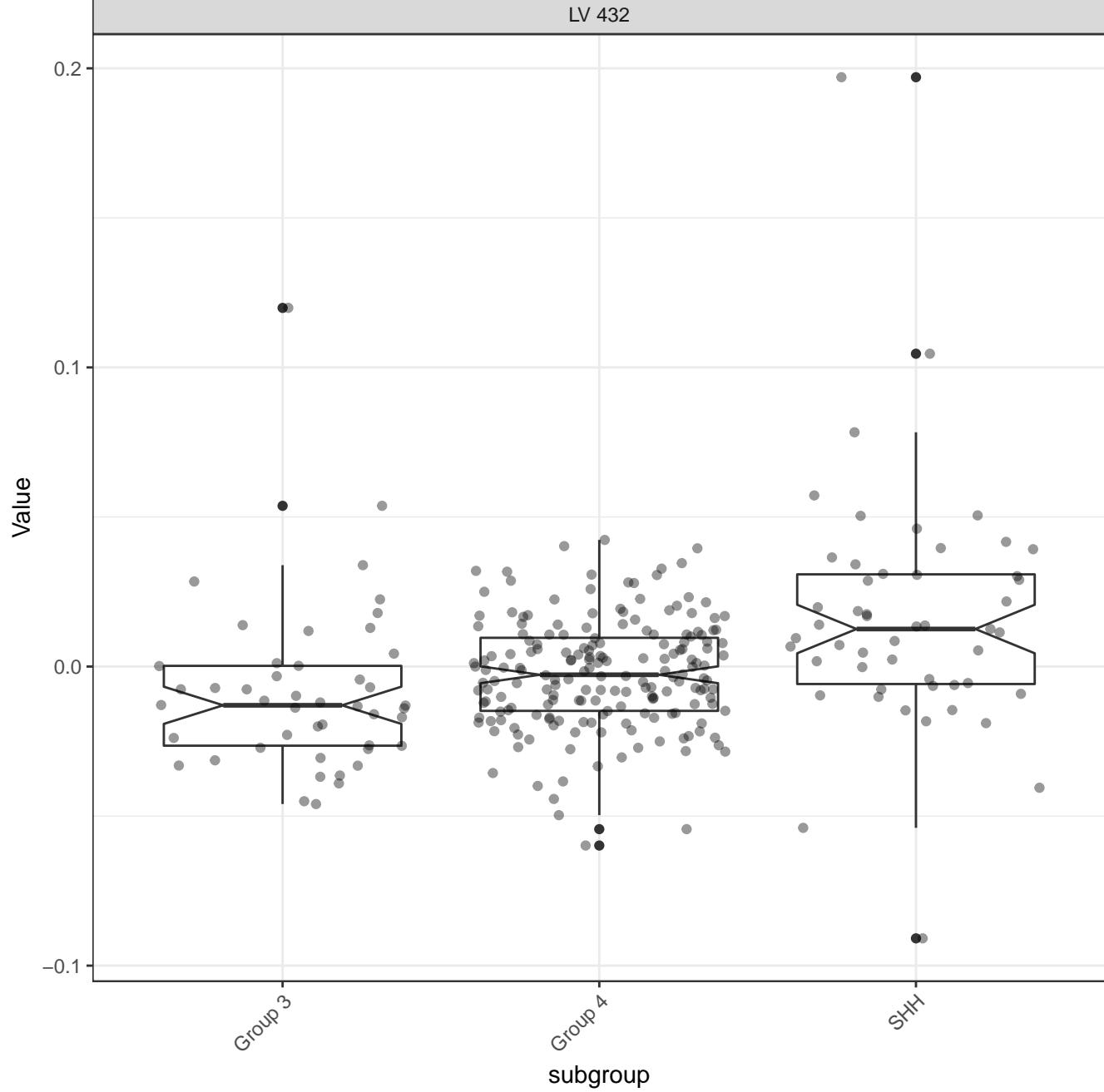
0.2
0.1
0.0
-0.1

Group 3

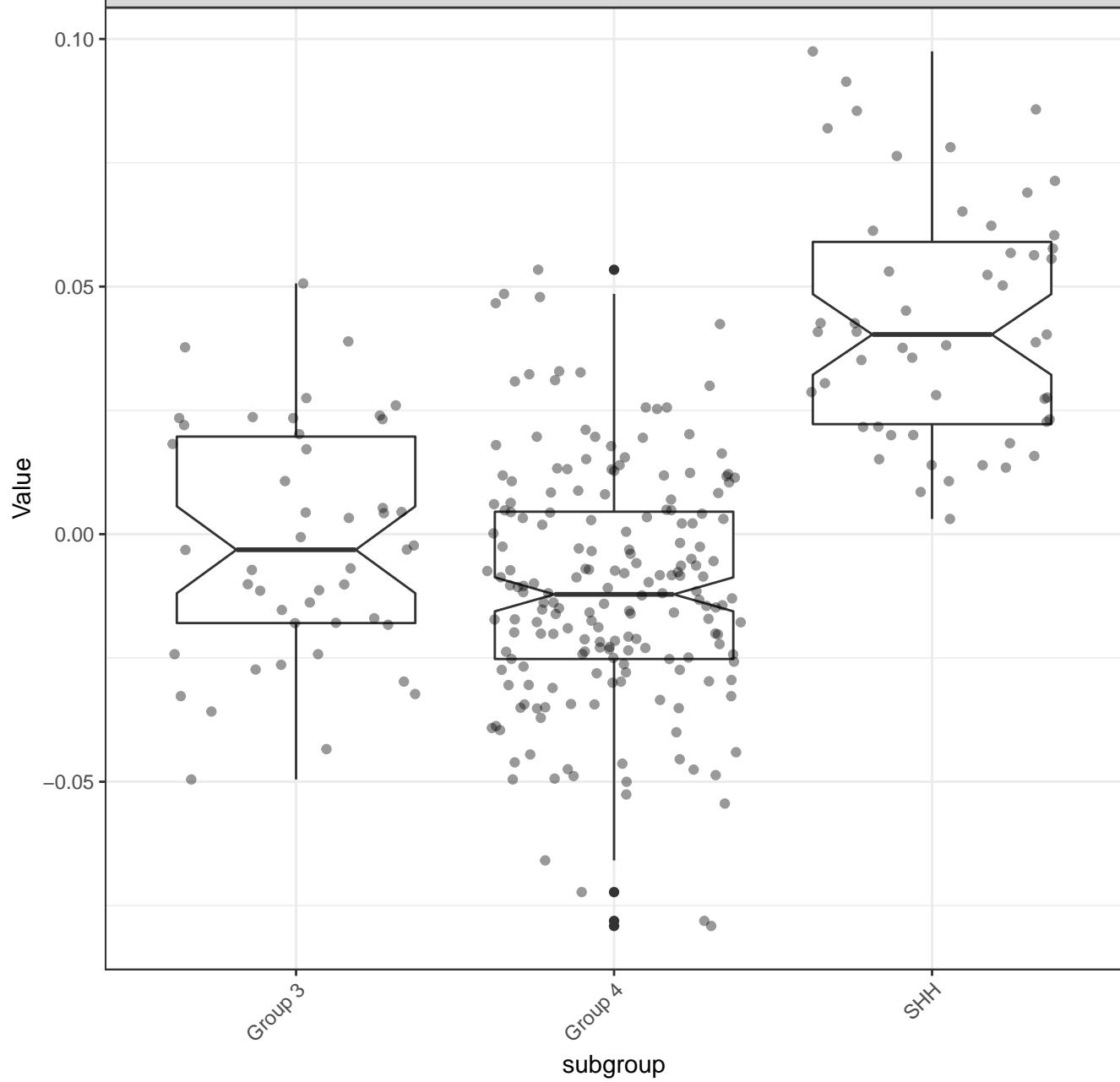
Group 4

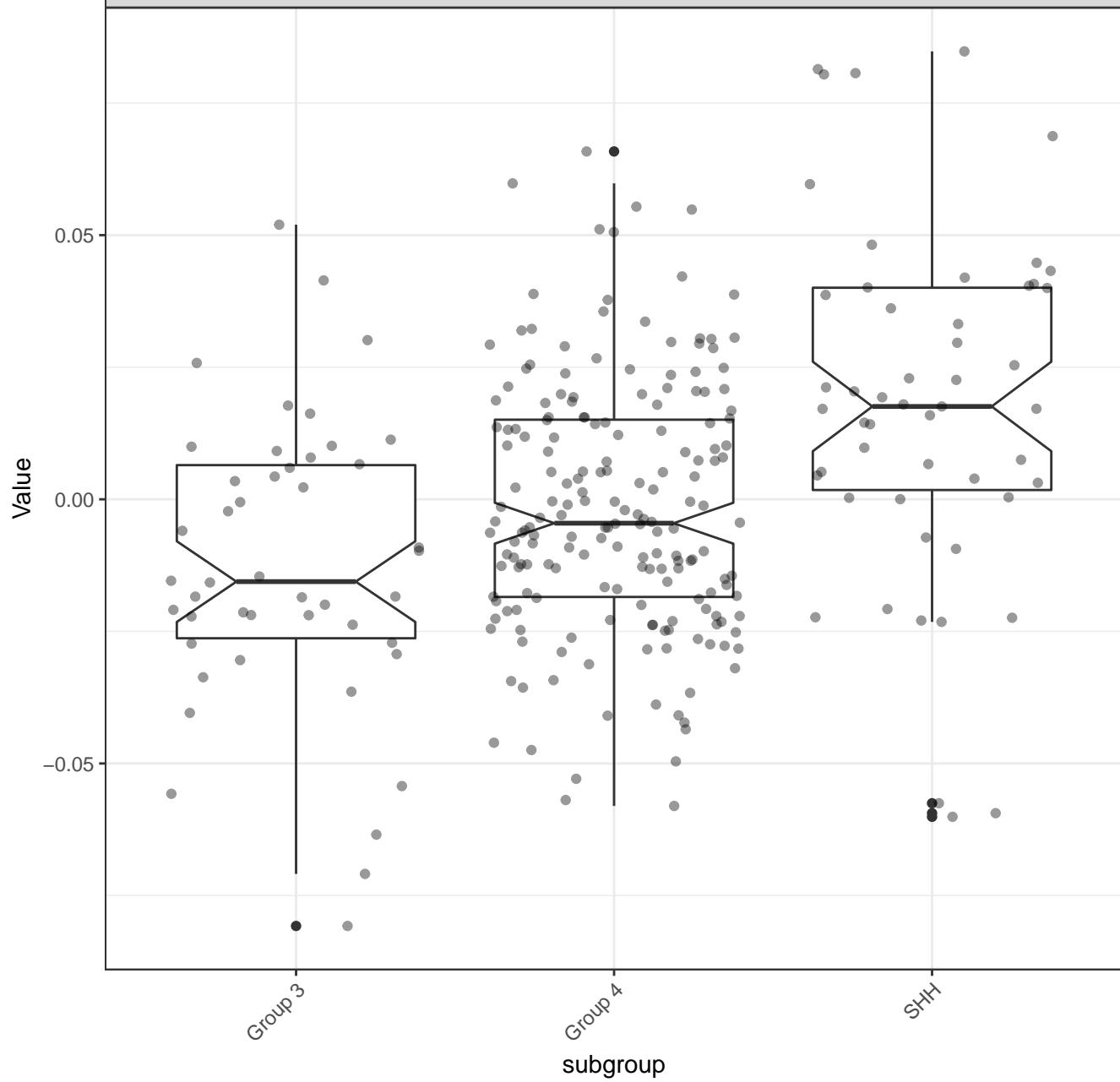
SHH

subgroup



LV 433





LV 435

Value

0.10

0.05

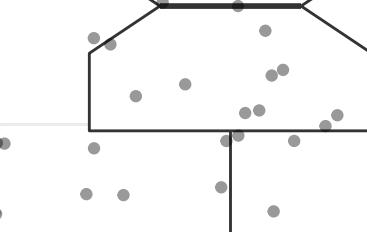
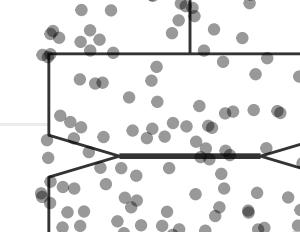
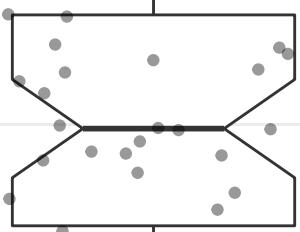
0.00

-0.05

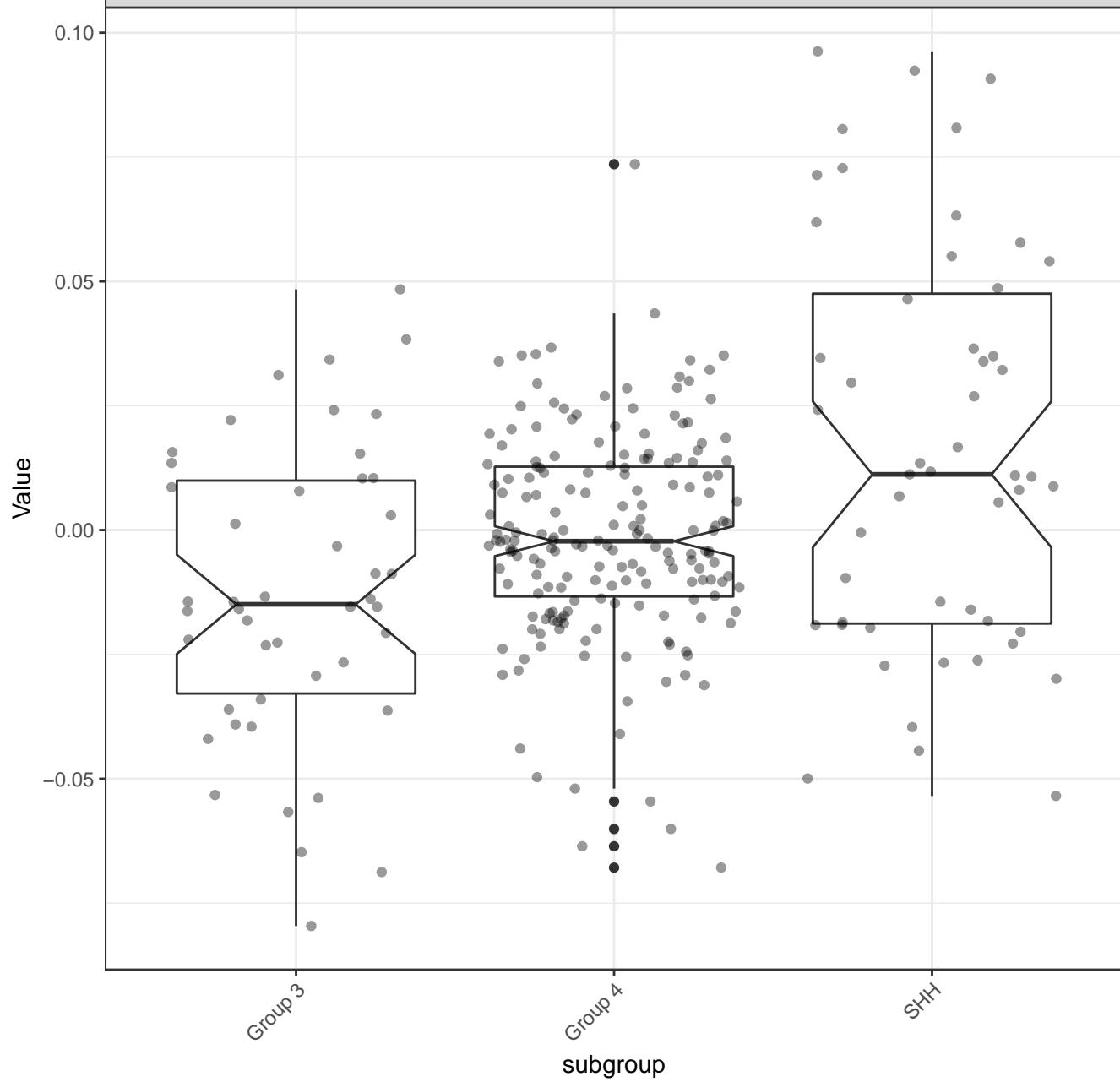
Group 3

subgroup

SHH



LV 436



LV 437

Value

0.10

0.05

0.00

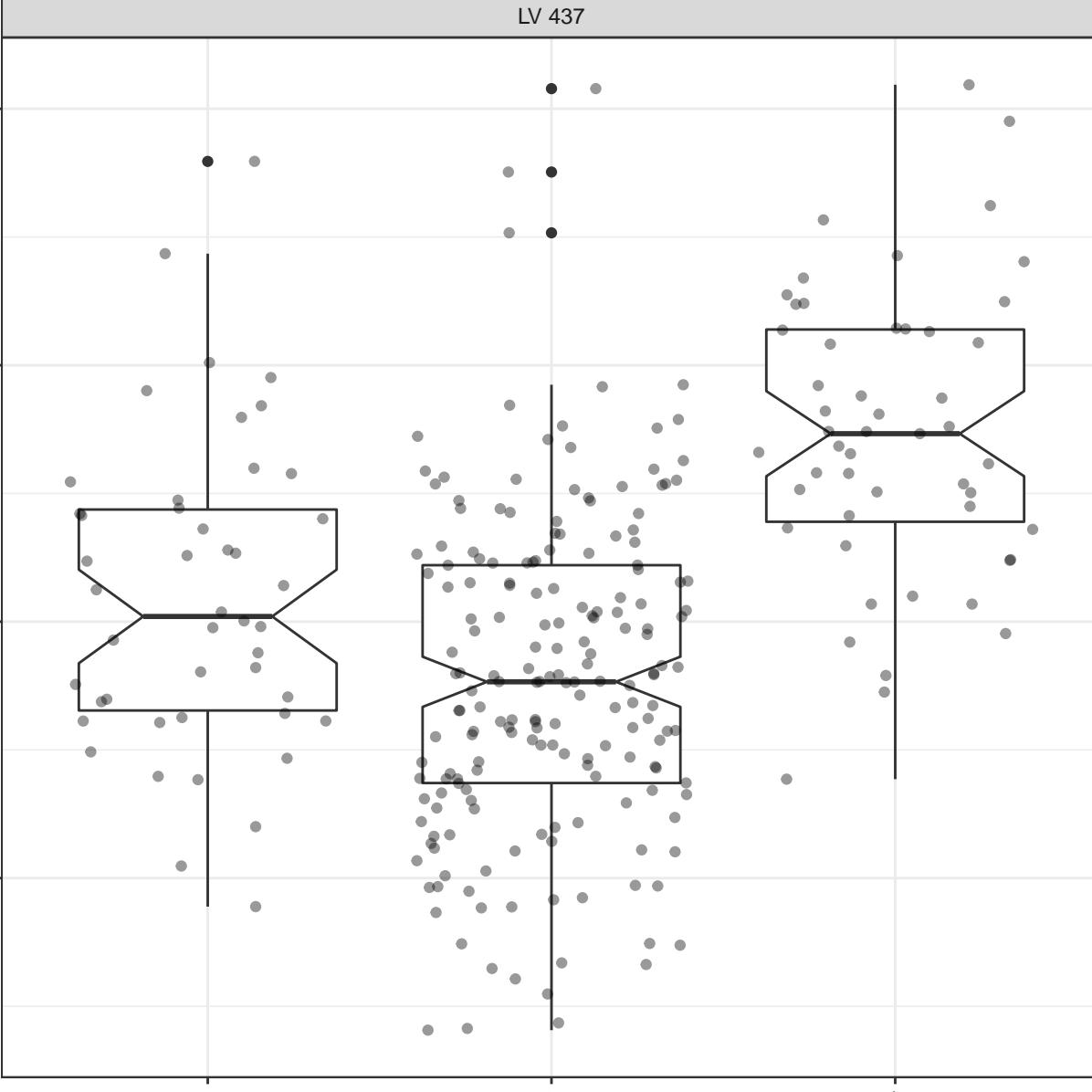
-0.05

Group 3

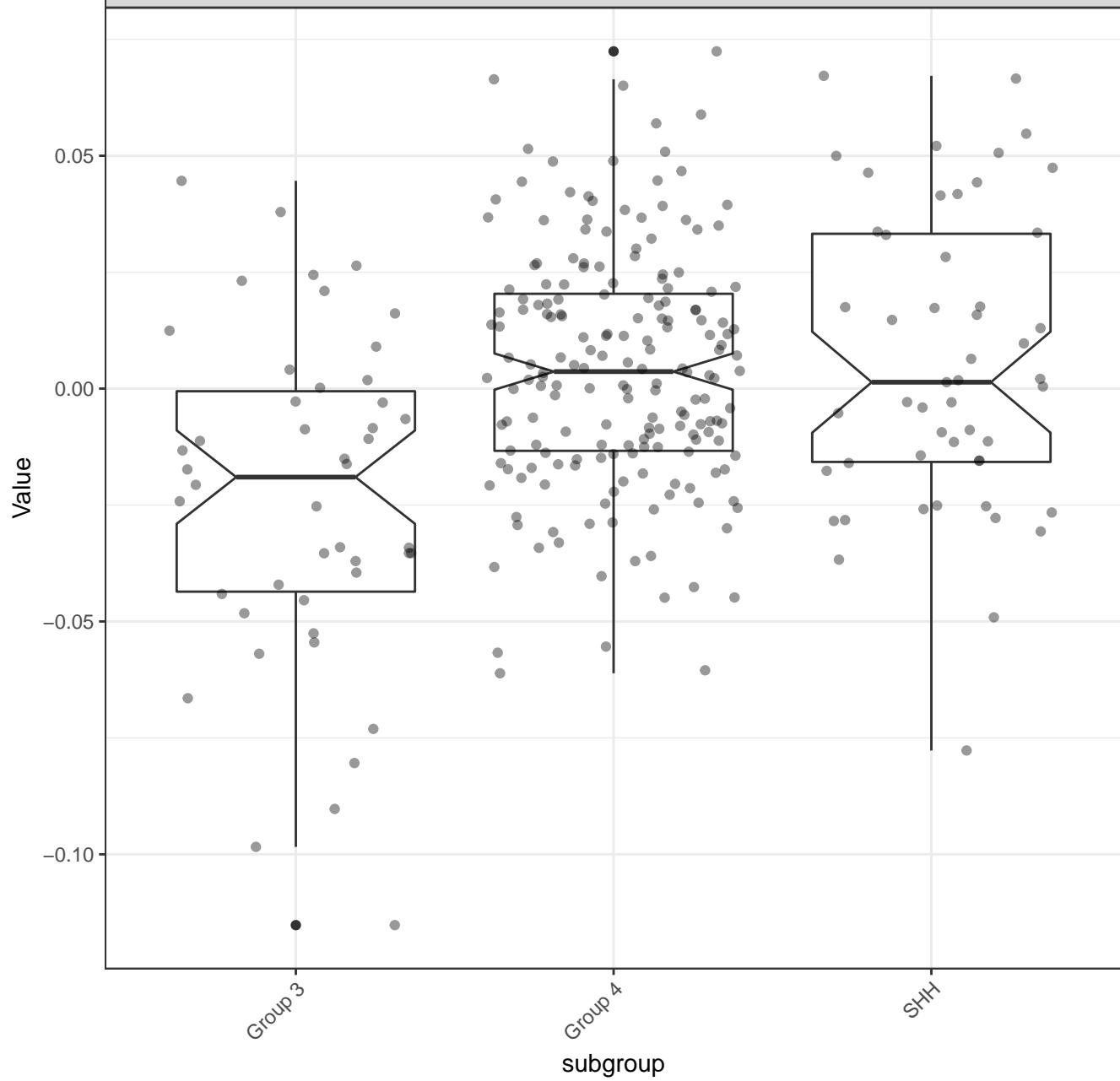
subgroup

Group 4

SHH



LV 438



LV 439

Value

0.10

0.05

0.00

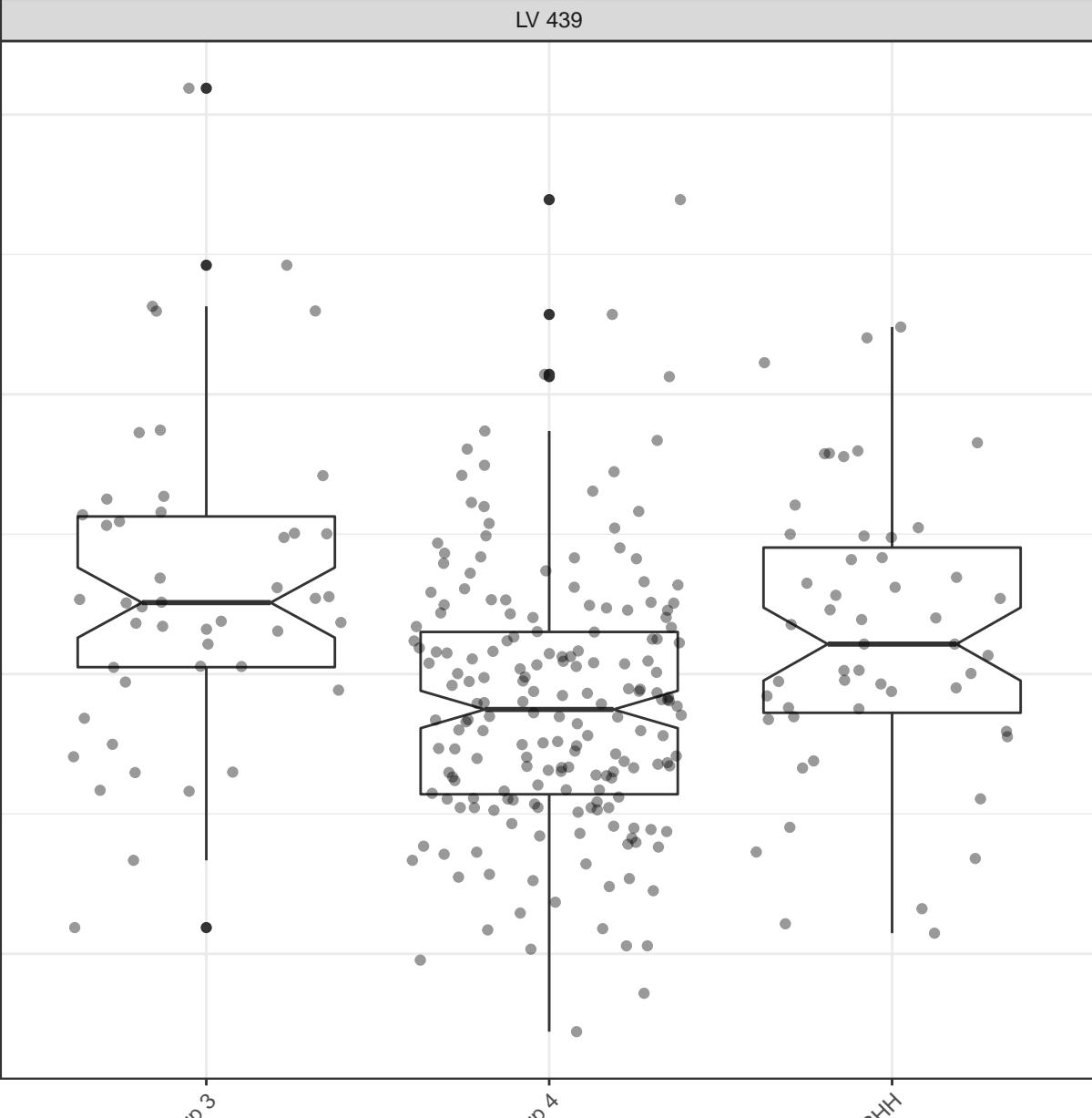
-0.05

Group 3

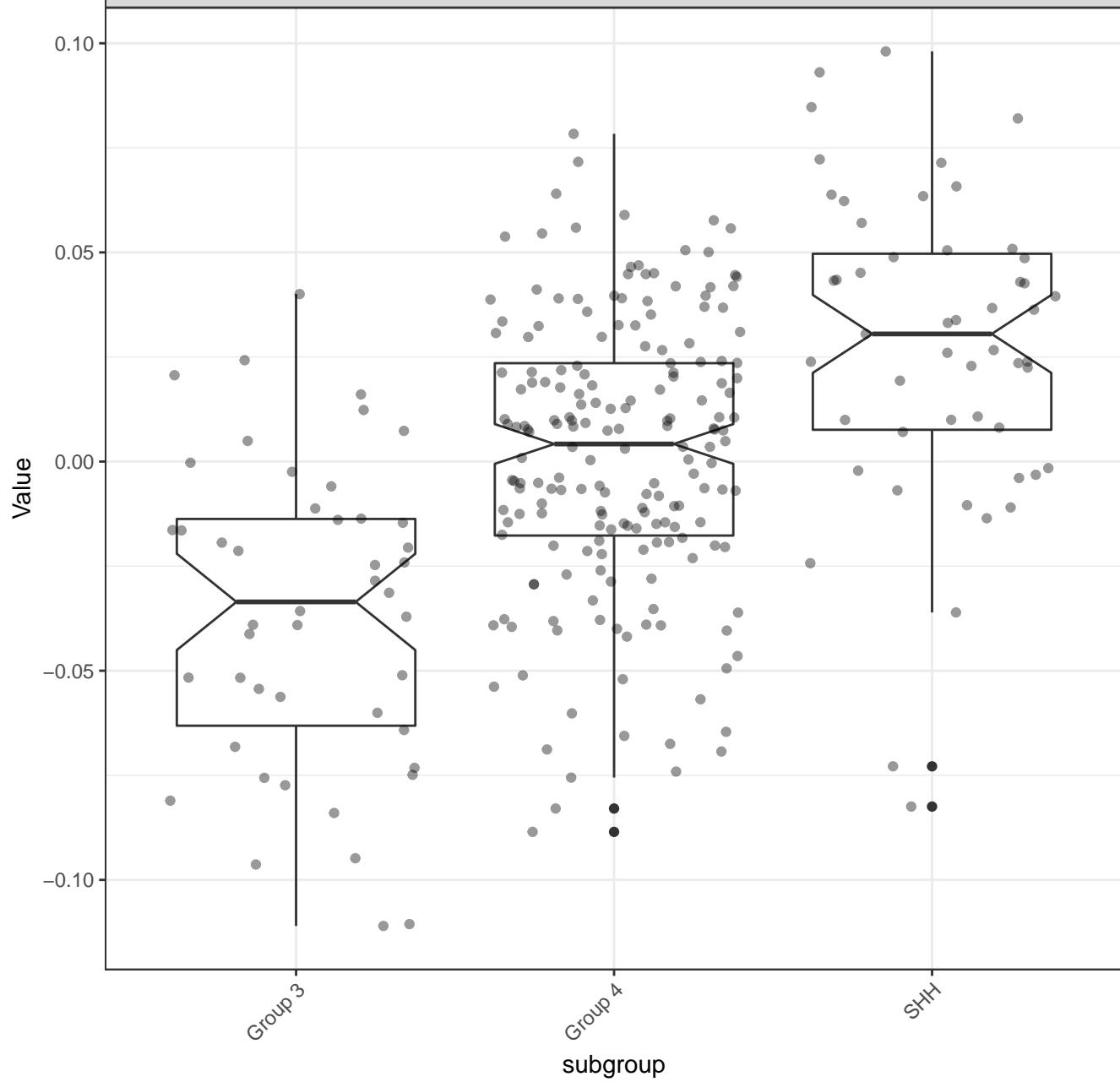
subgroup

Group 4

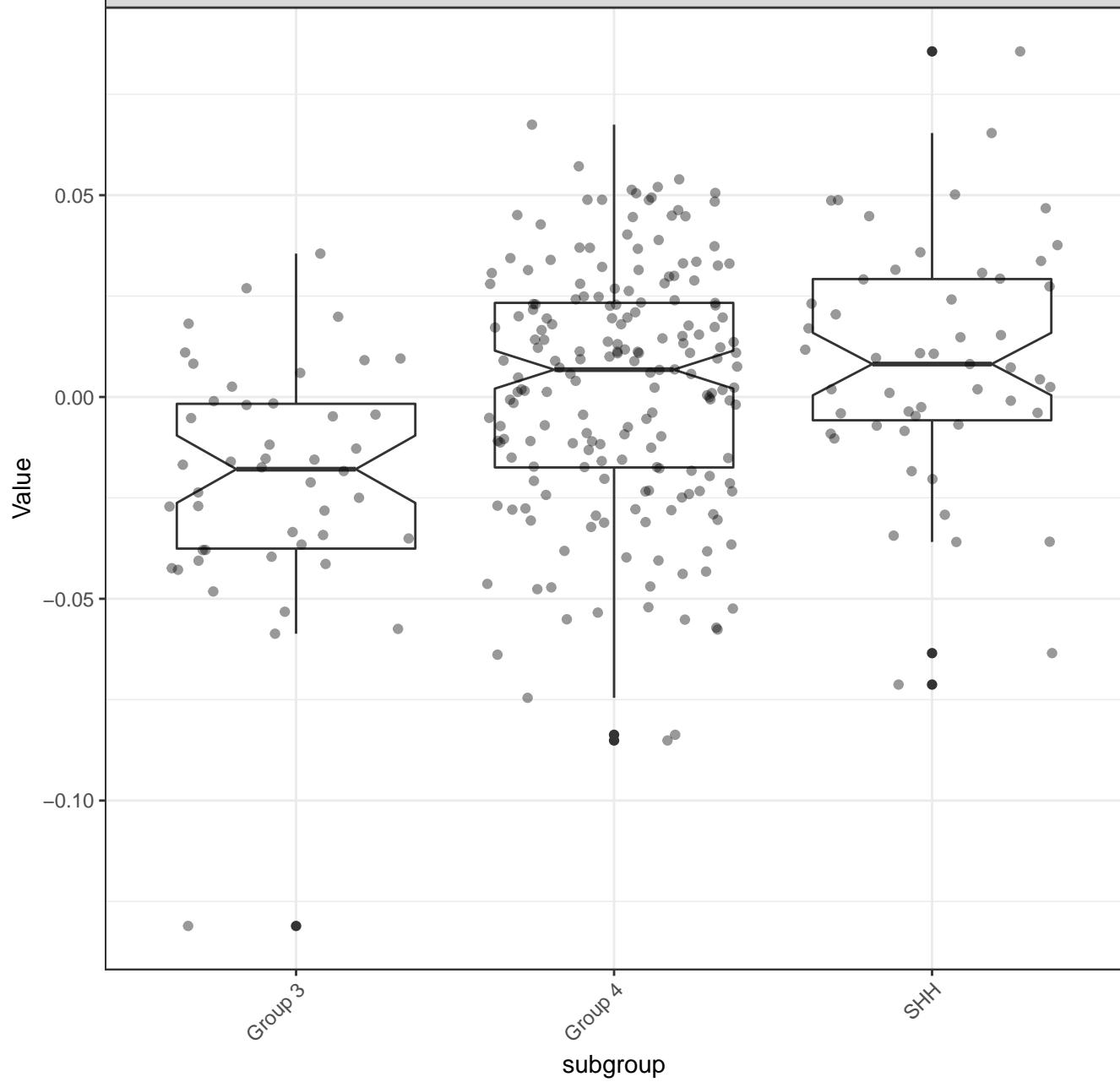
SHH



LV 440



LV 441



LV 442

Value

0.10

0.05

0.00

-0.05

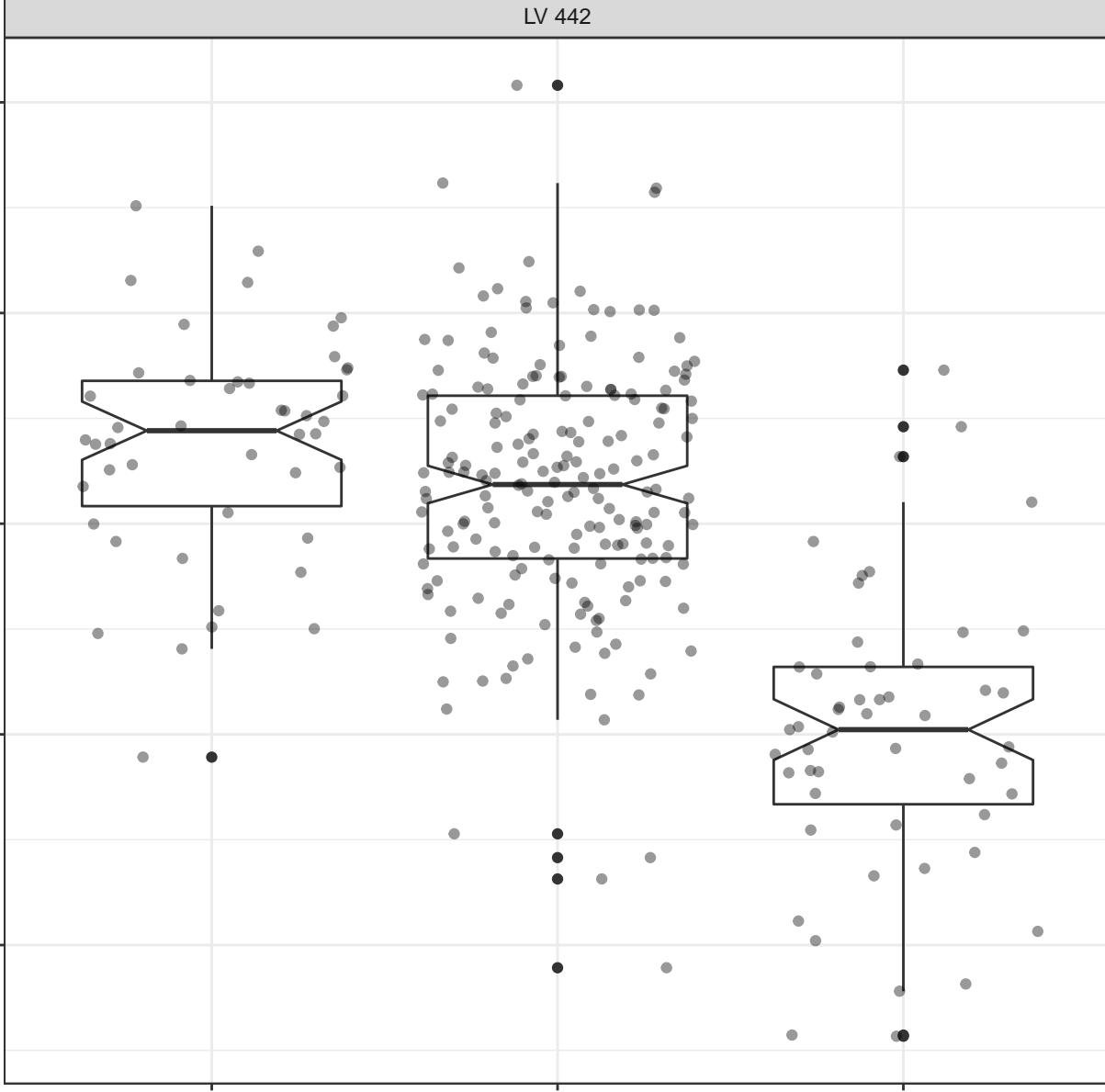
-0.10

Group 3

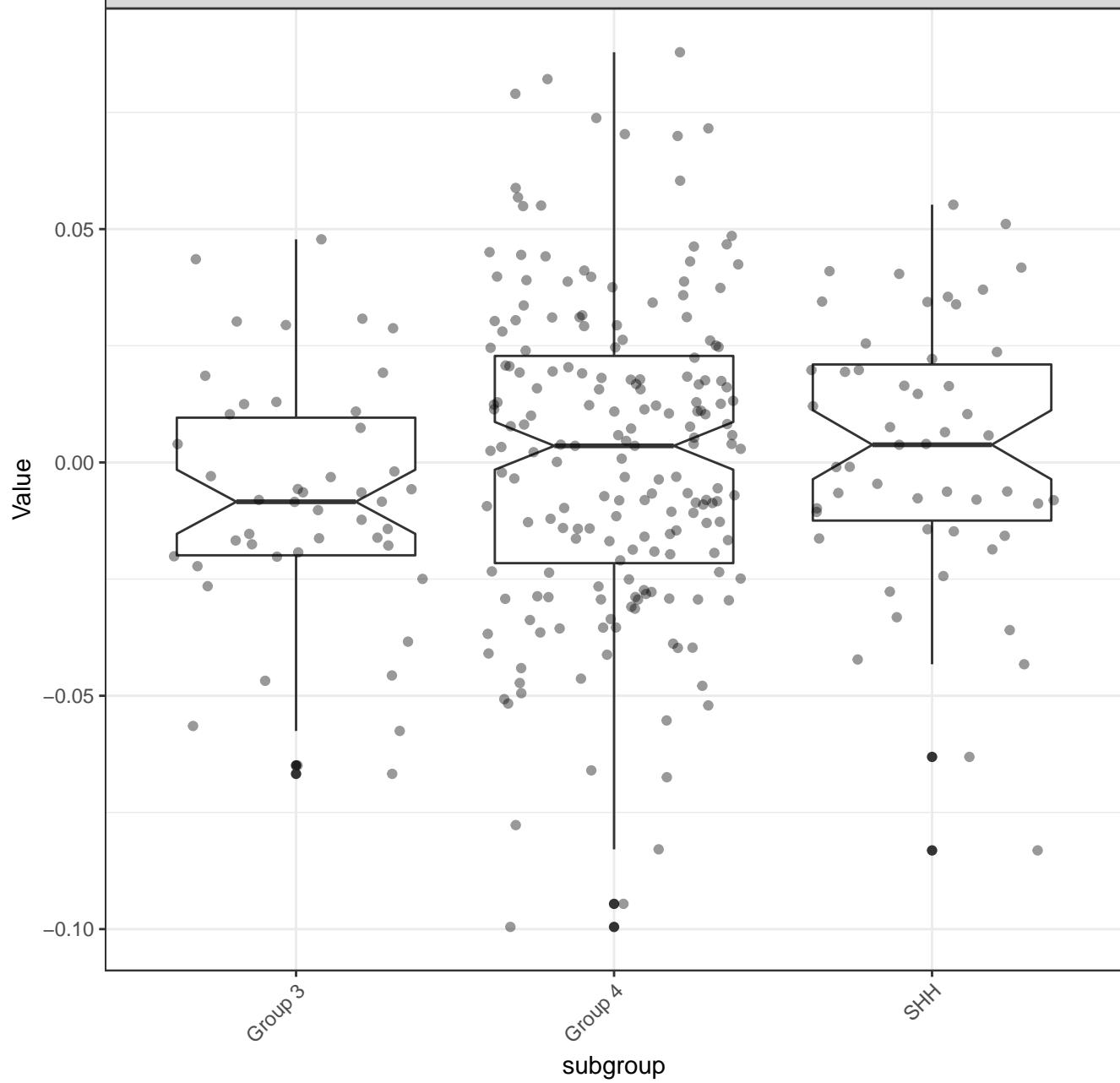
Group 4

SHH

subgroup



443,DMAP_NKA2



LV 444

Value

0.10

0.05

0.00

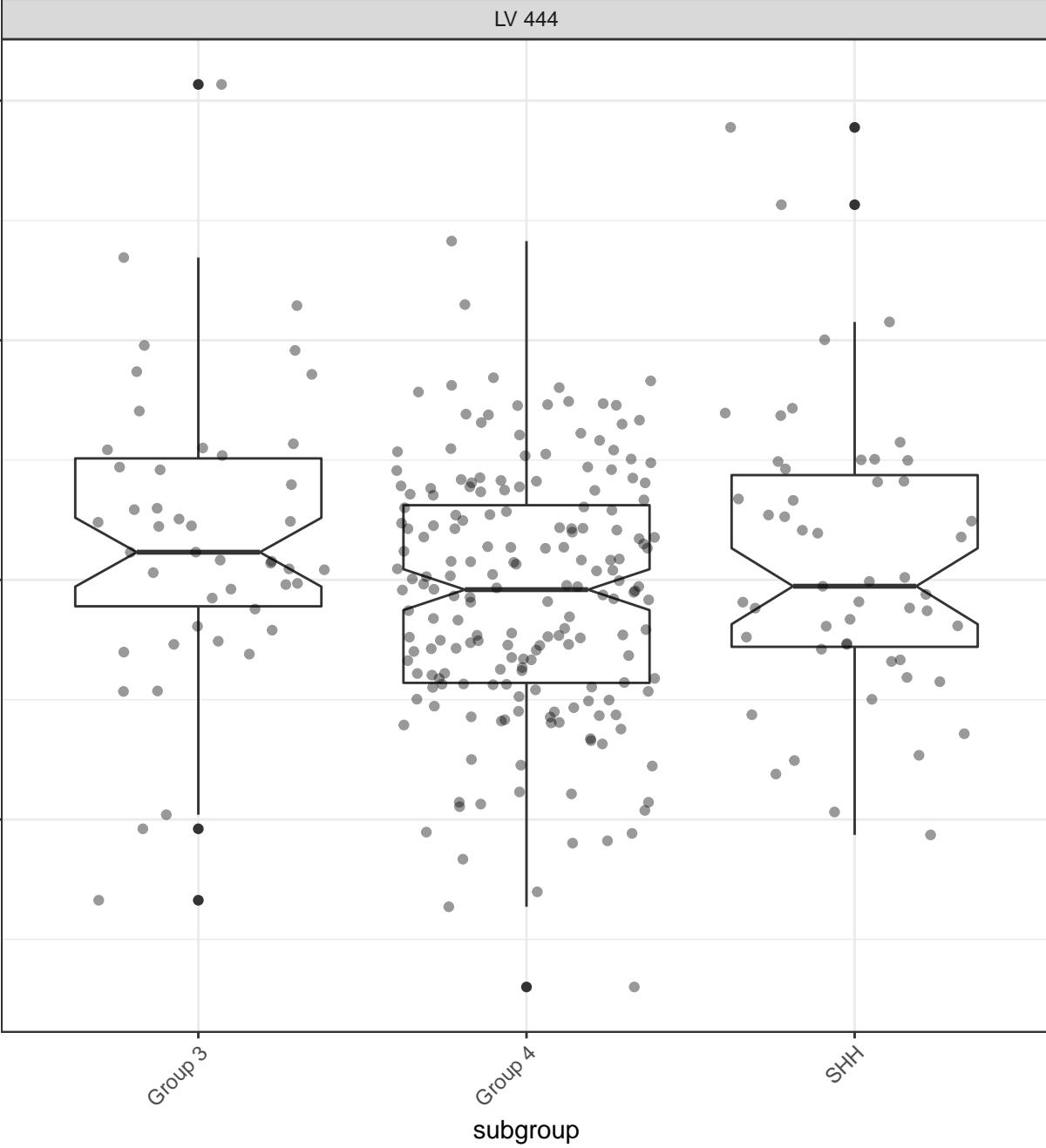
-0.05

Group 3

Group 4

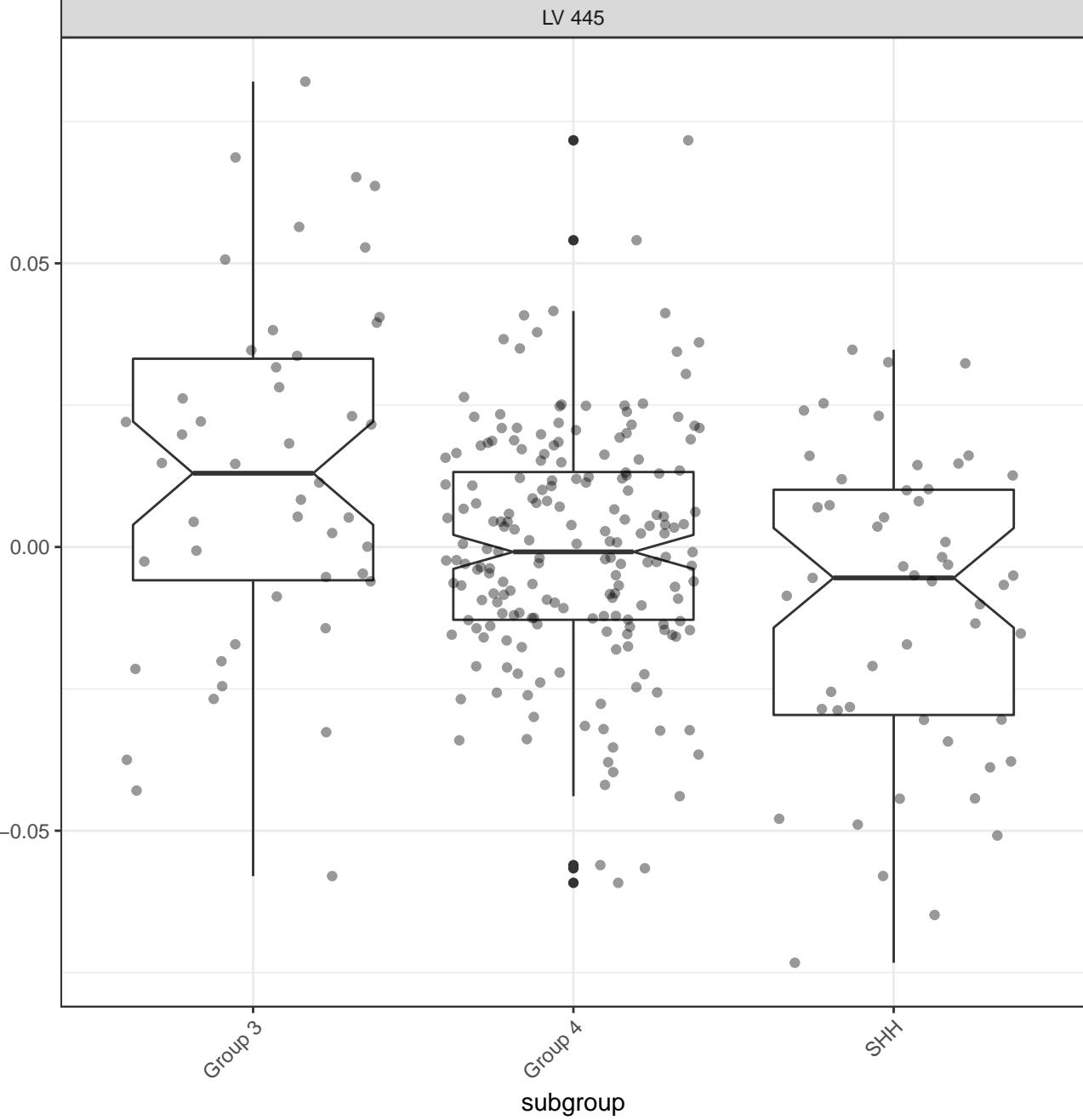
SHH

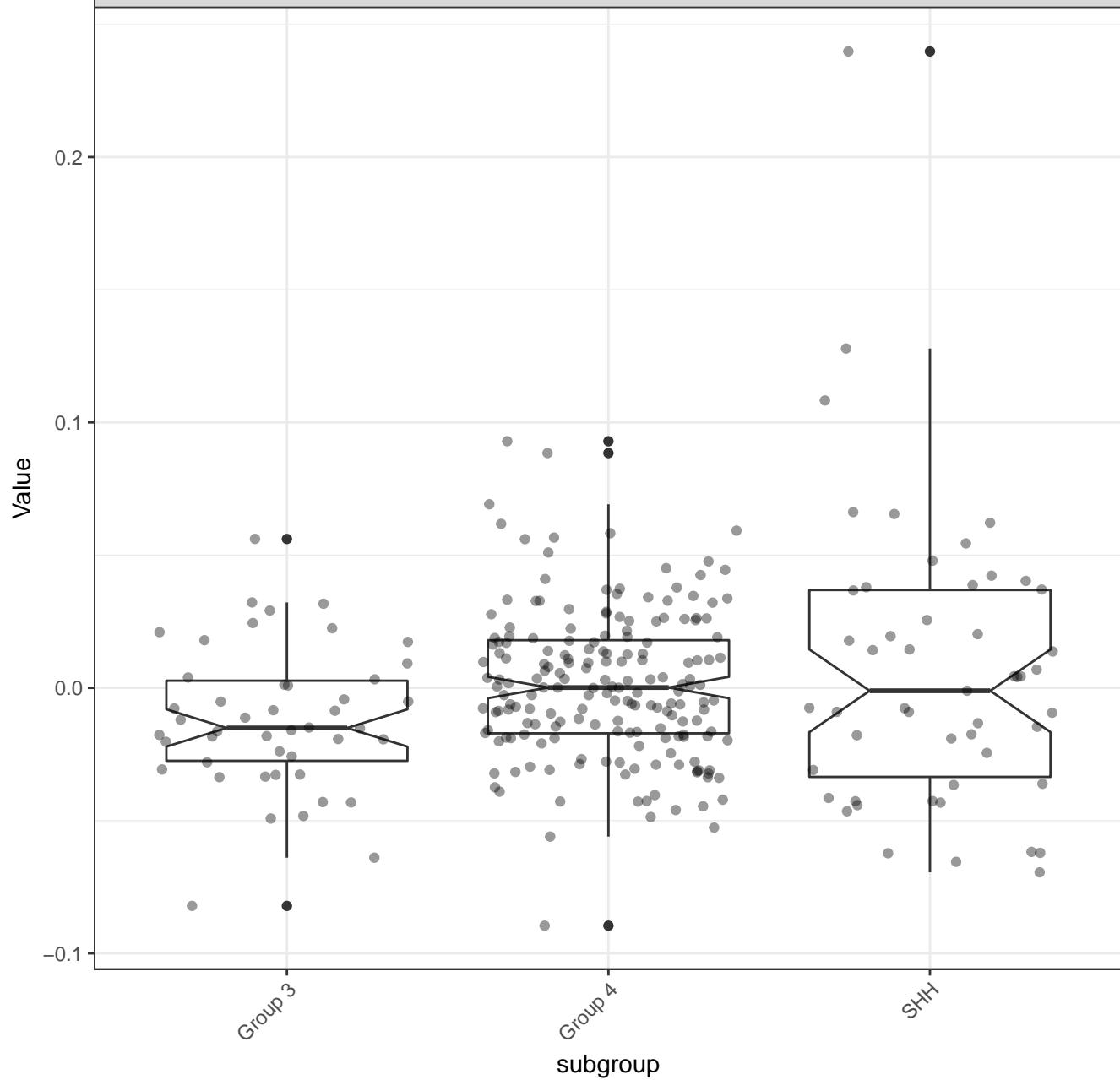
subgroup



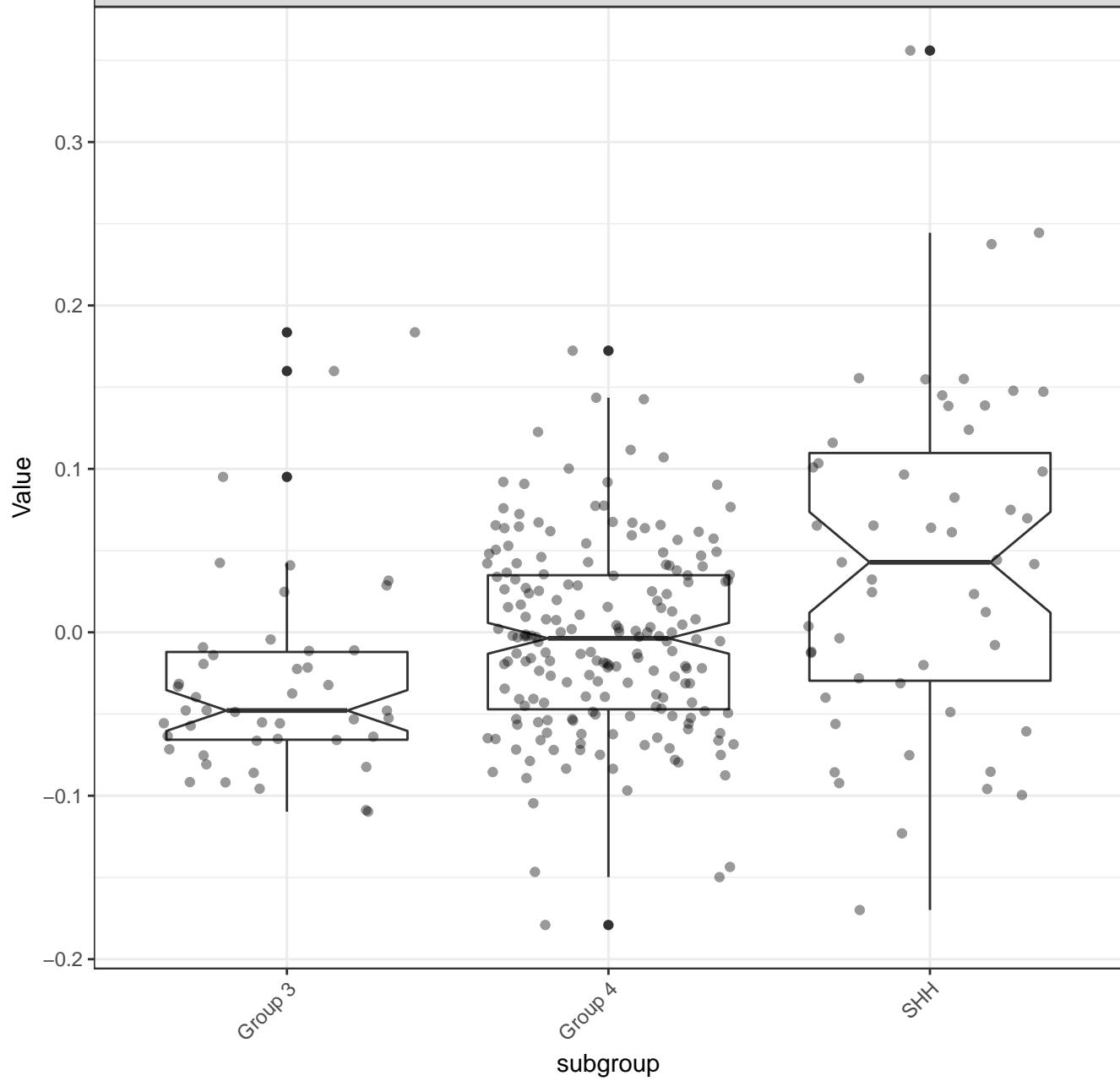
LV 445

Value





447,KEGG_LYSOSOME



LV 448

Value

0.10

0.05

0.00

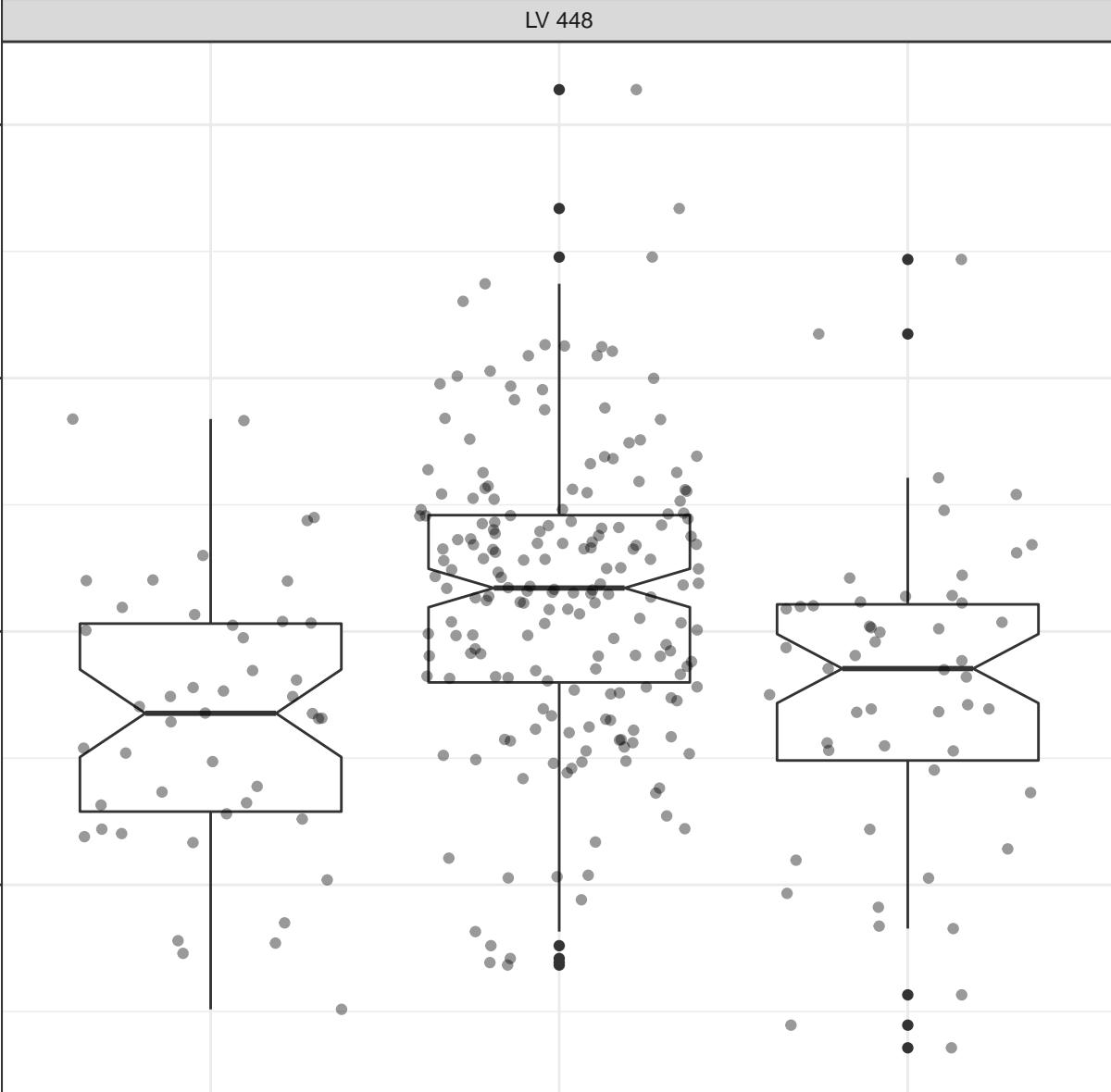
-0.05

Group 3

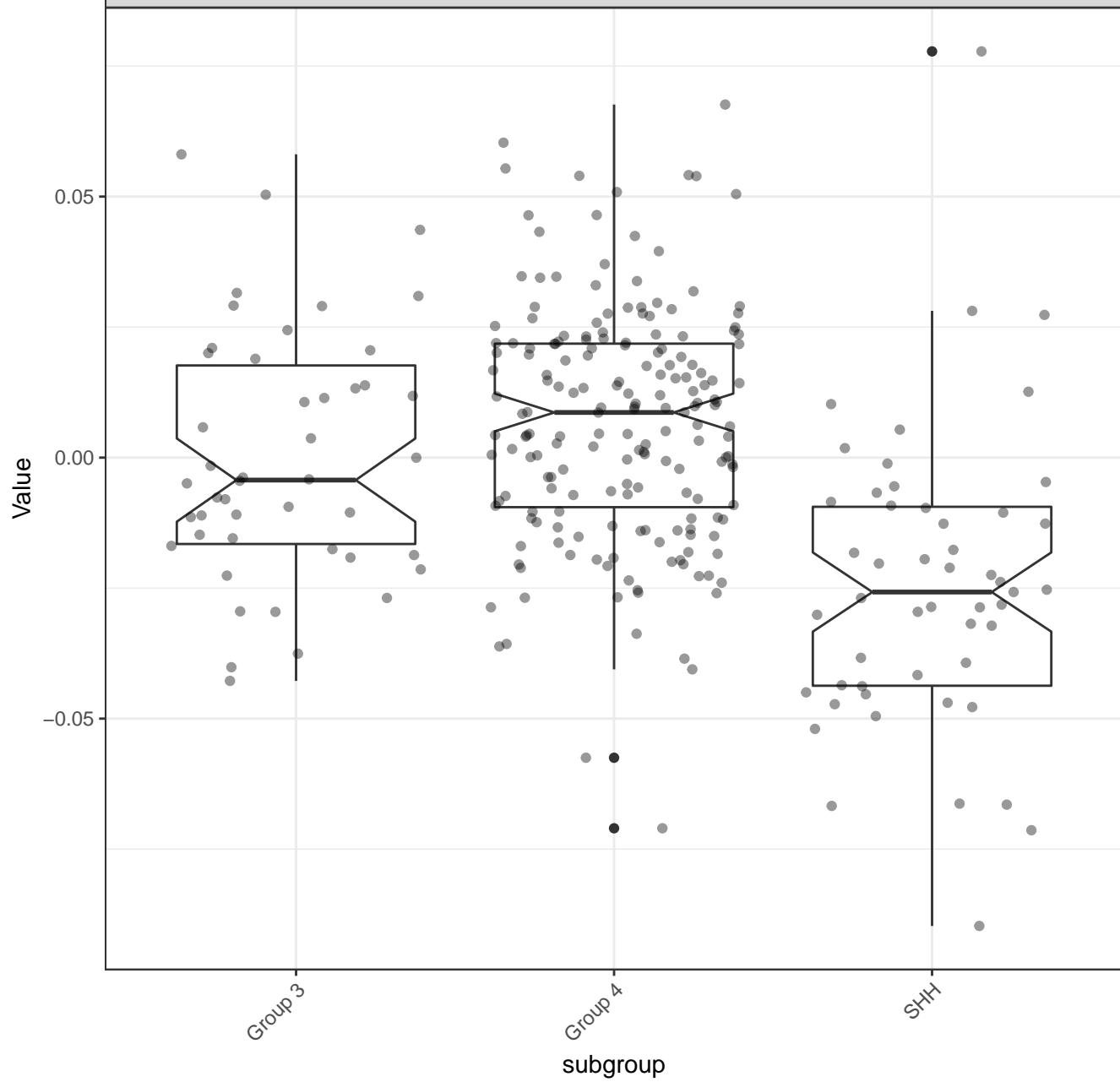
Group 4

SHH

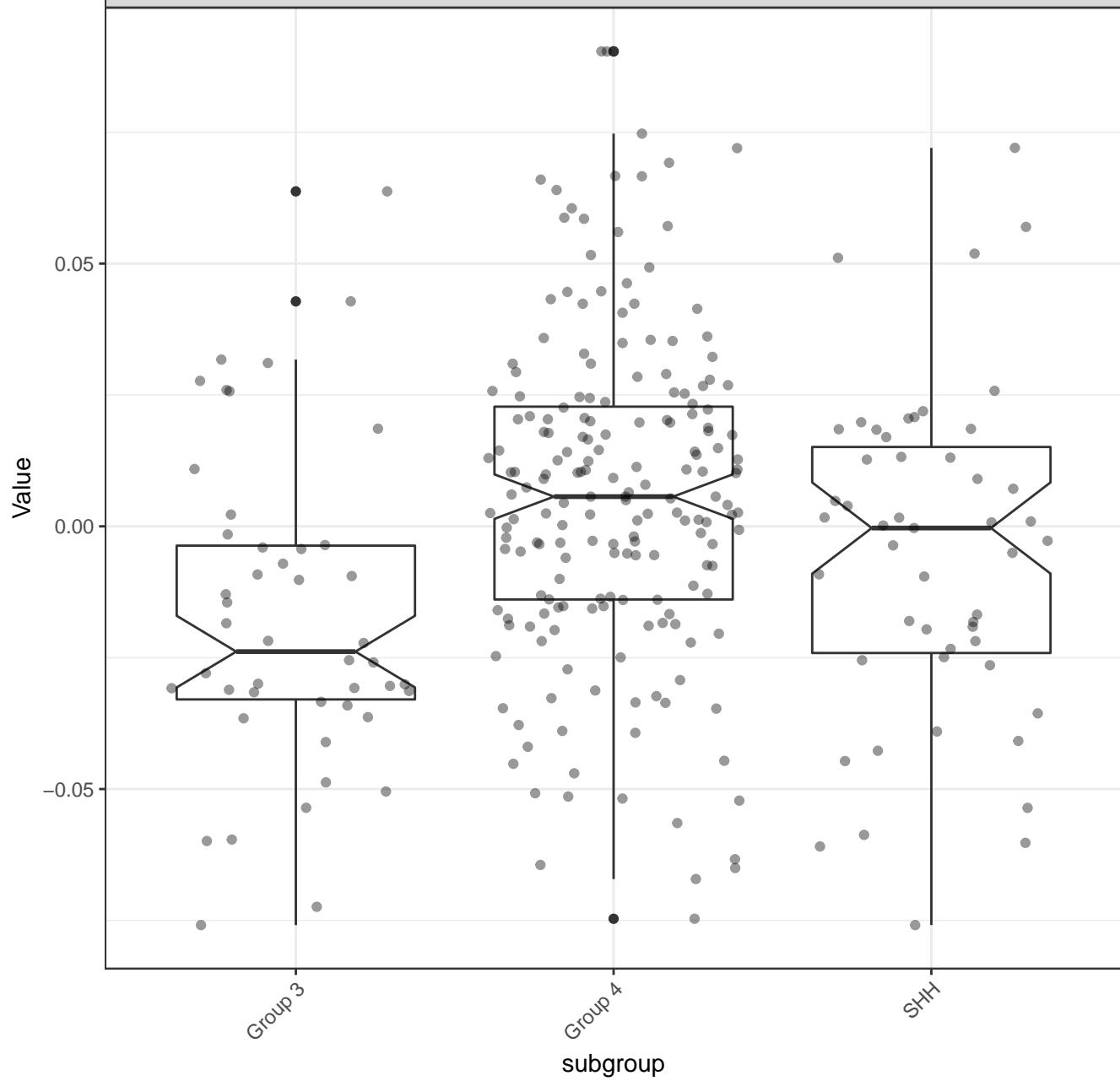
subgroup



449,REACTOME_ELONGATION_ARREST_AND_RECOVERY



LV 450



451,REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT

Value

0.10

0.05

0.00

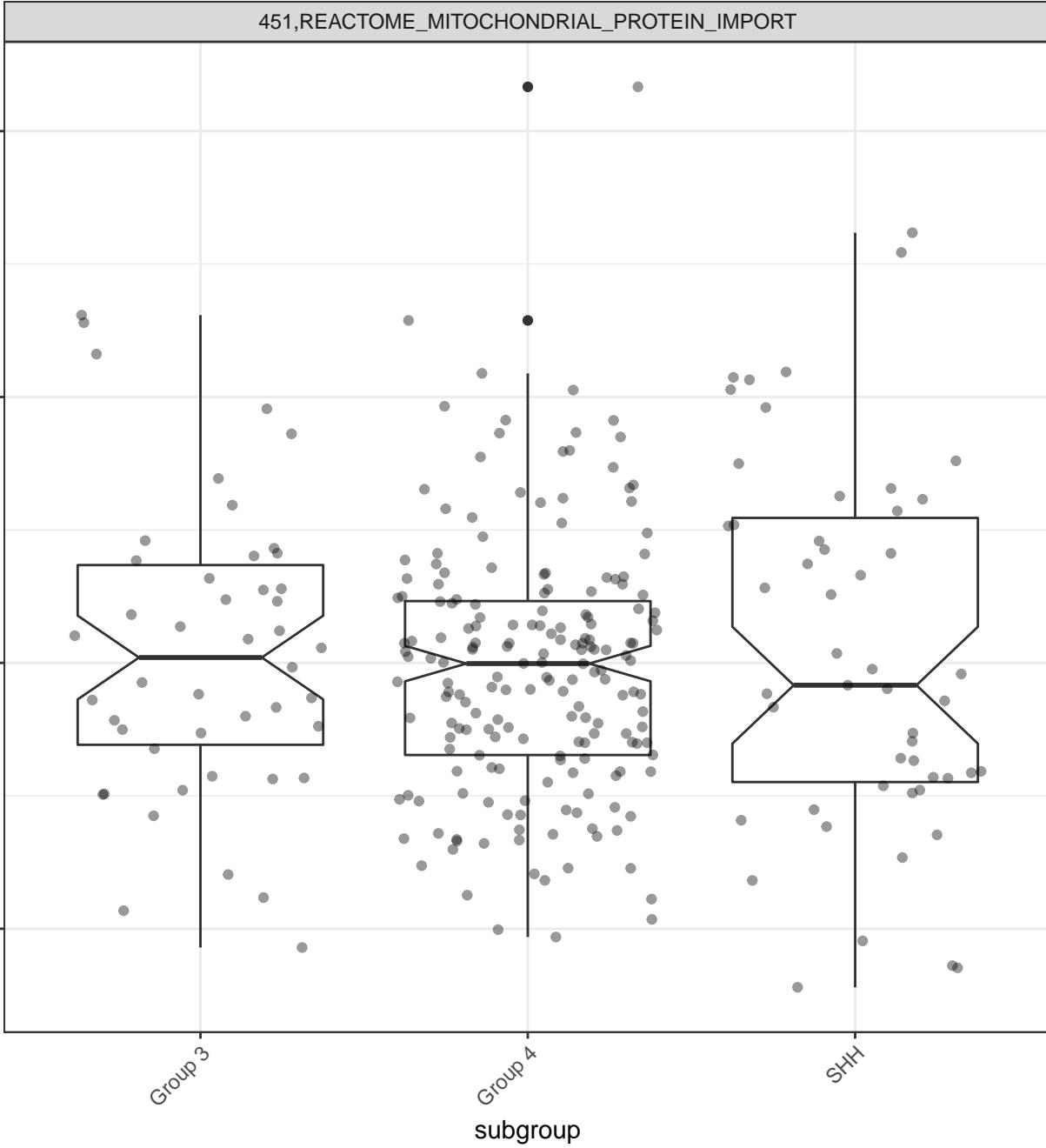
-0.05

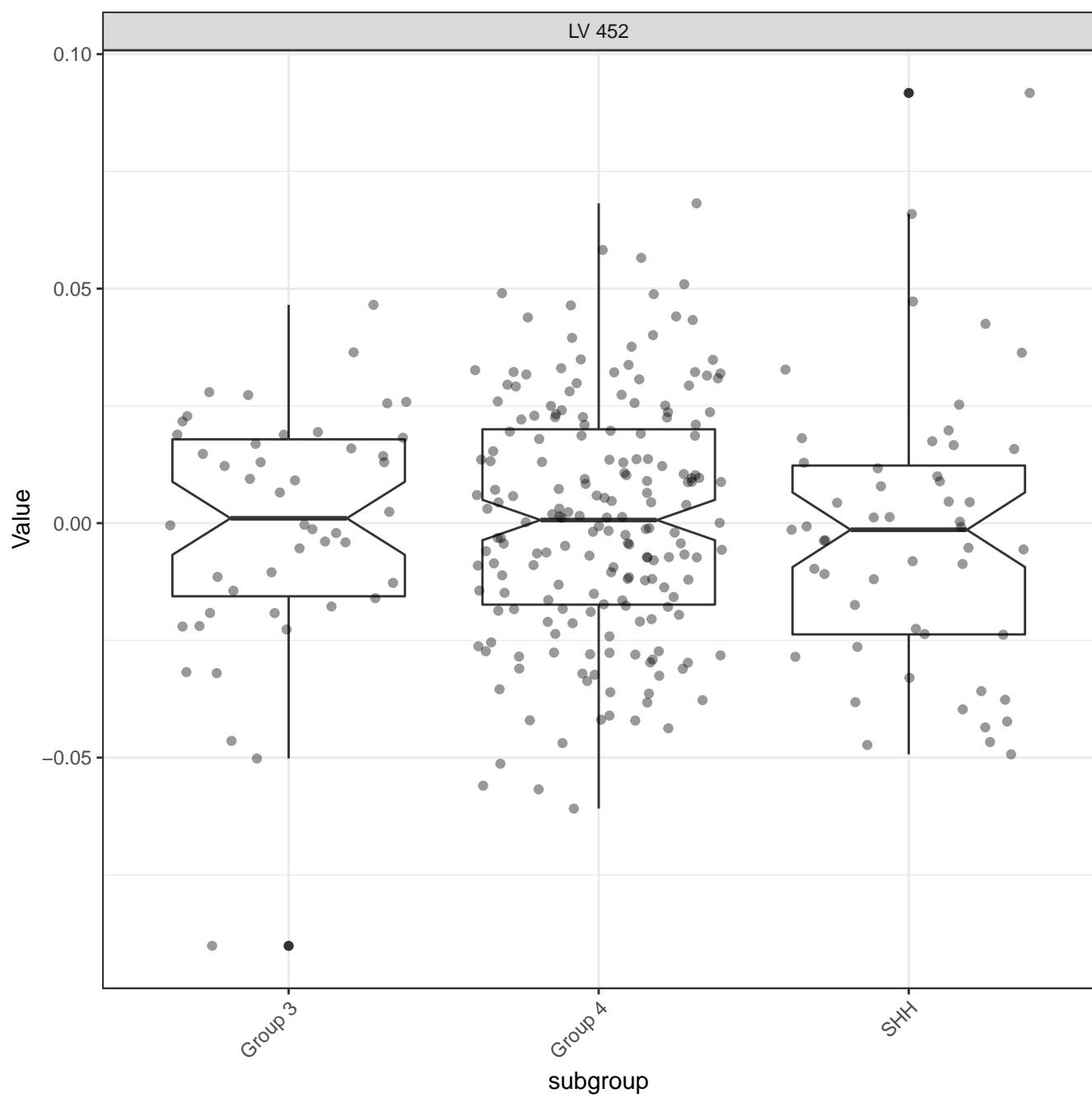
Group 3

Group 4

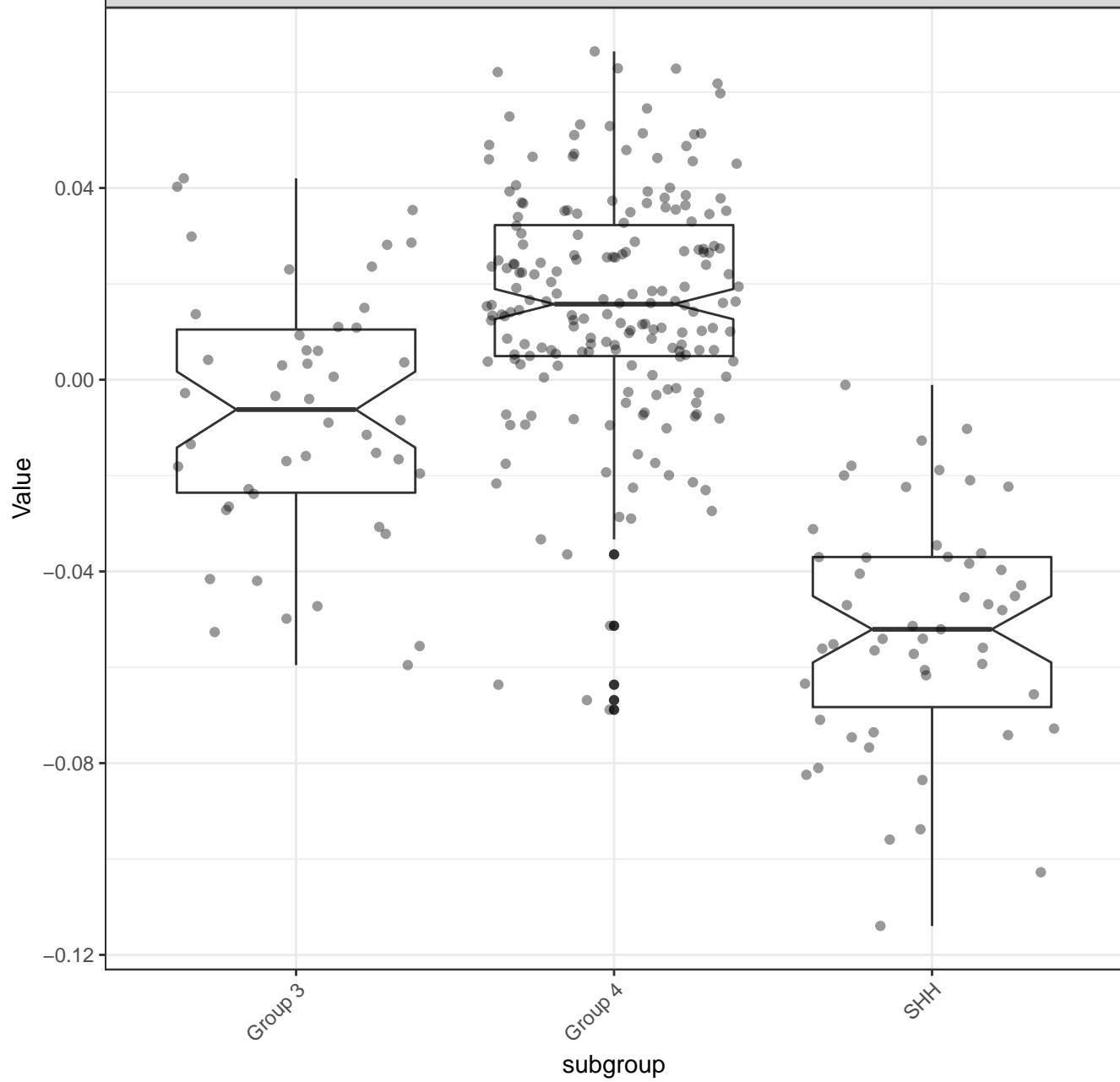
SHH

subgroup

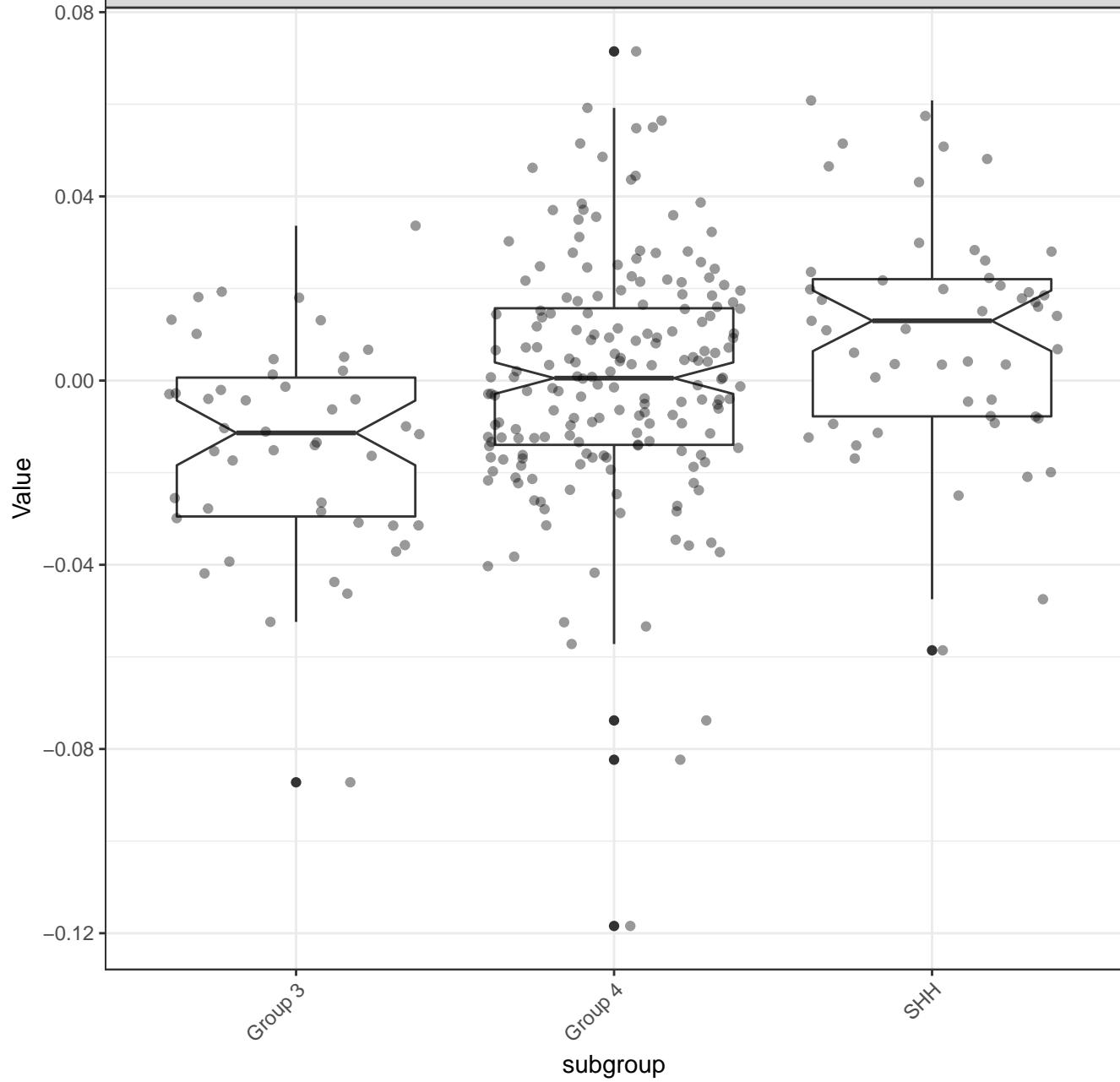




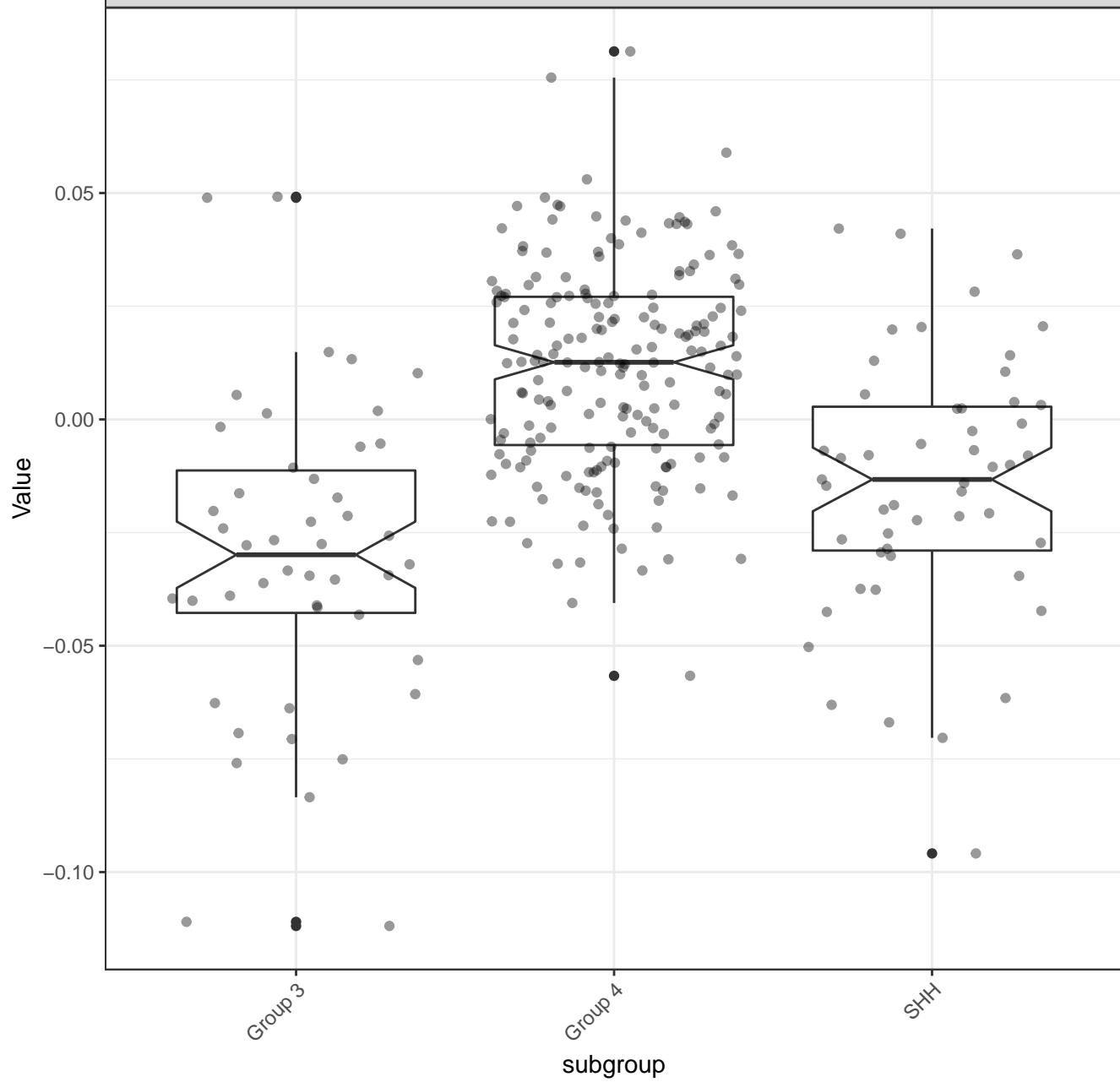
LV 453



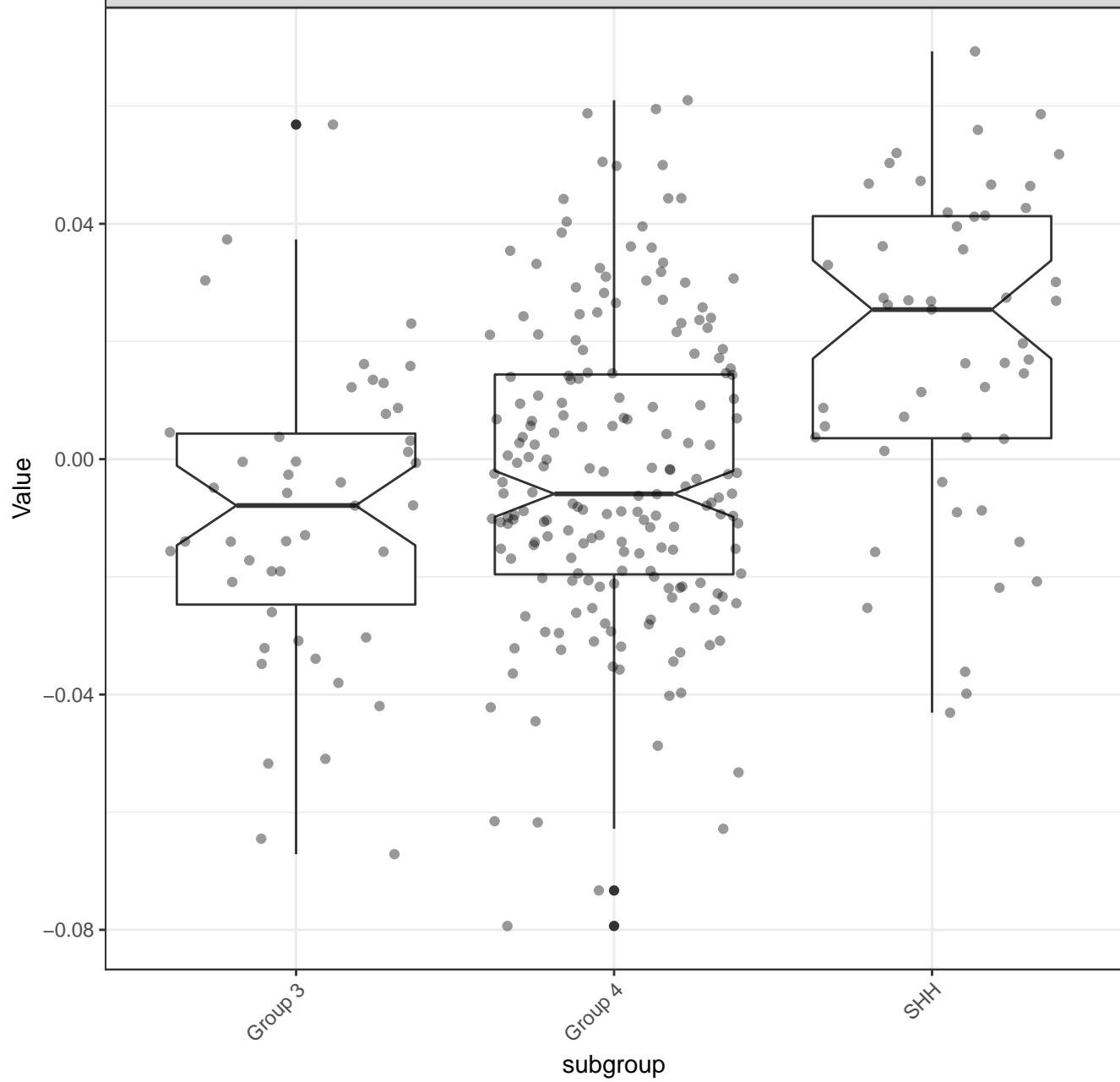
LV 454

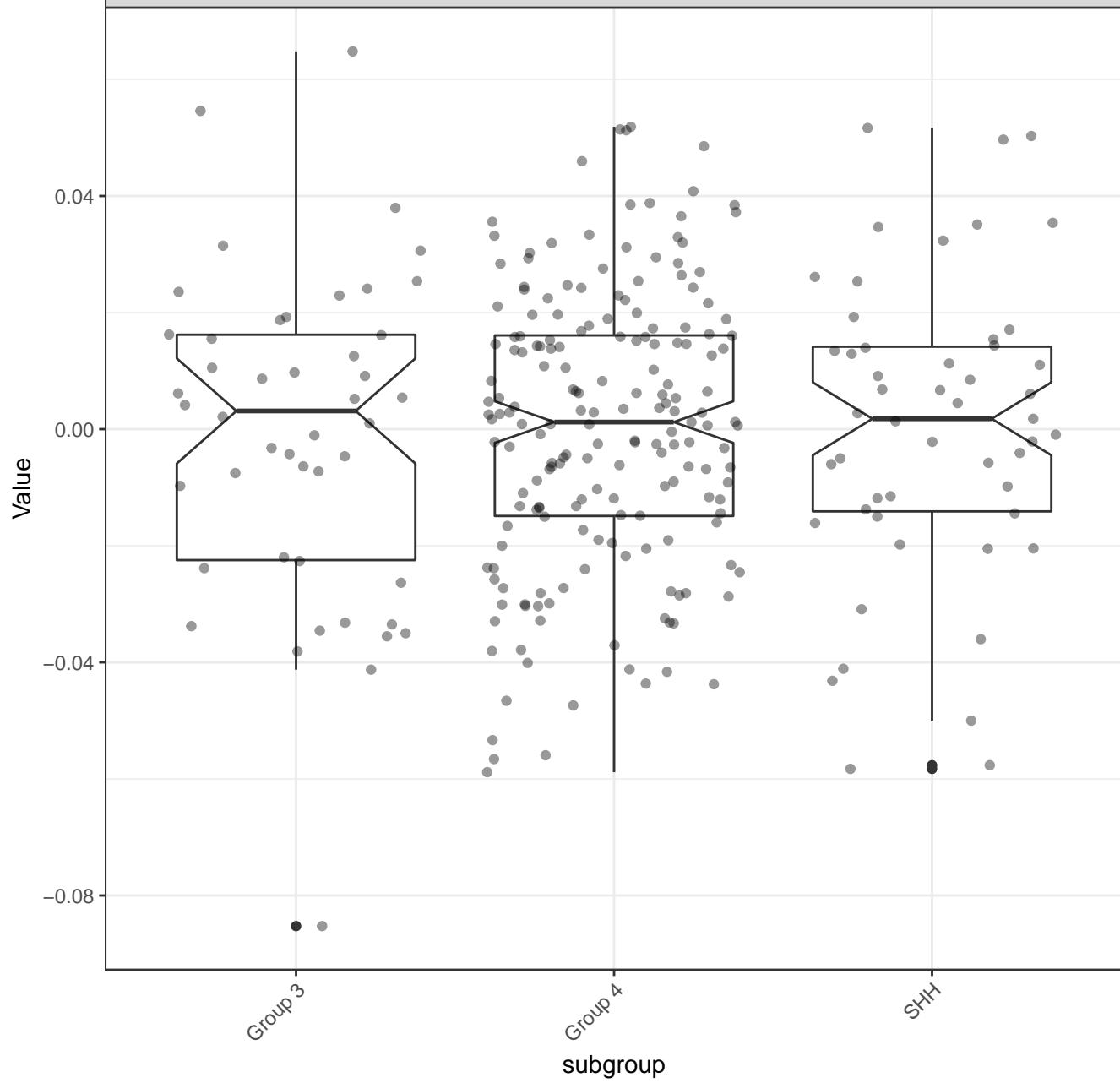


LV 455

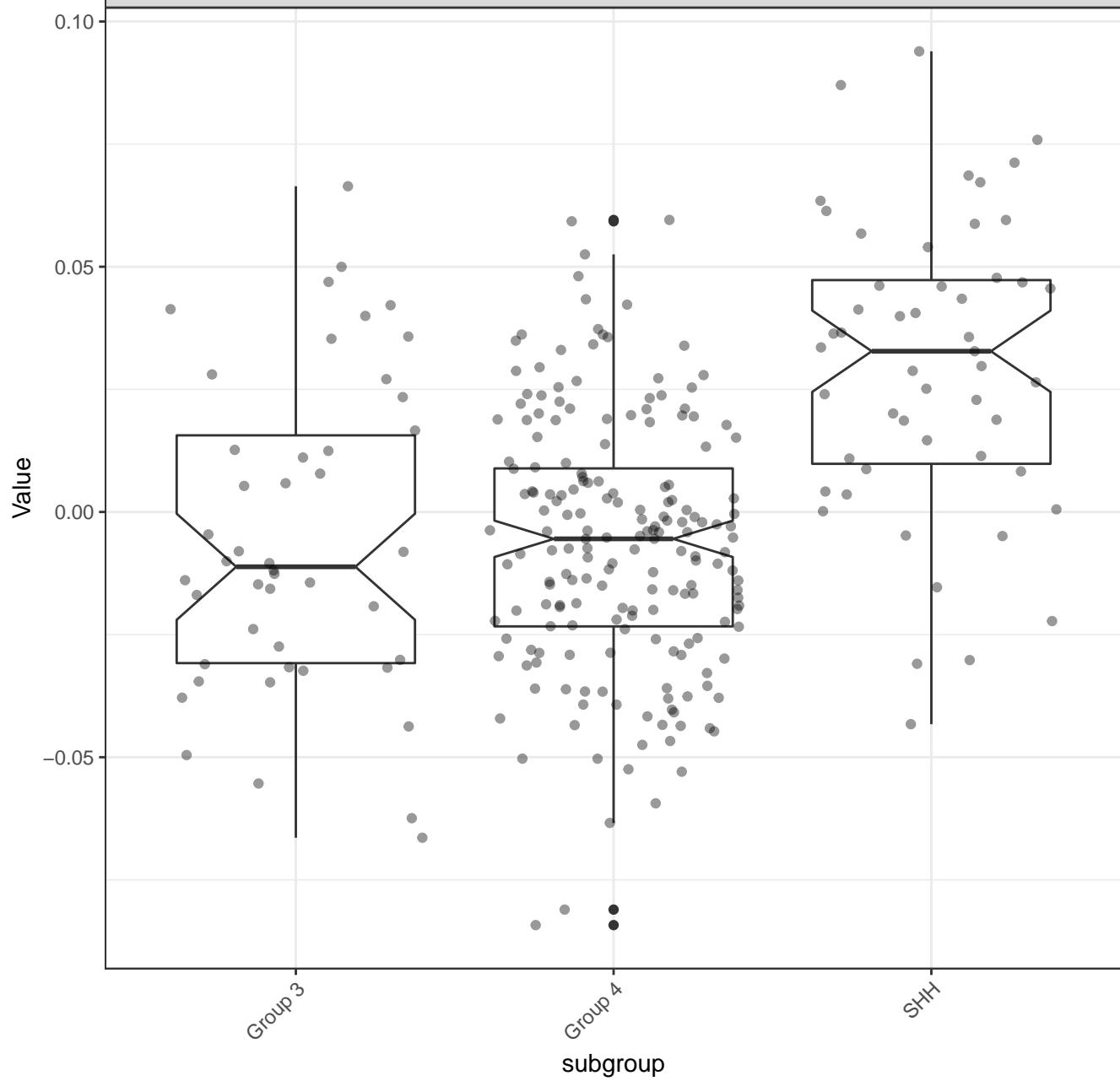


LV 456





LV 458



LV 459

Value

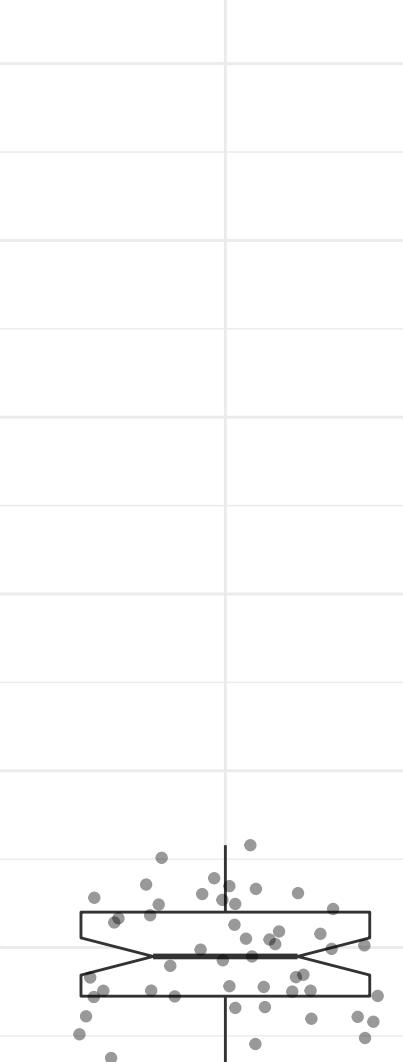
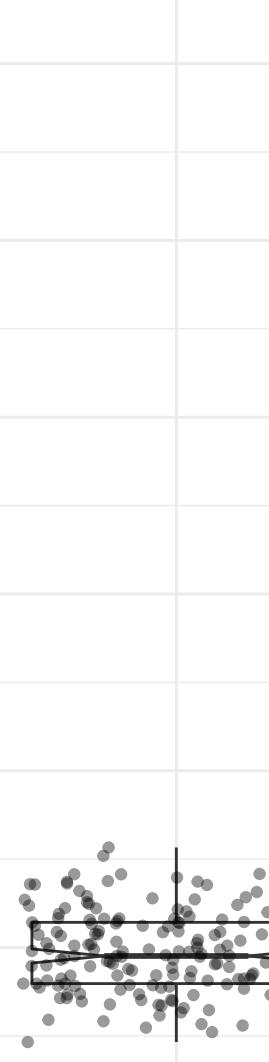
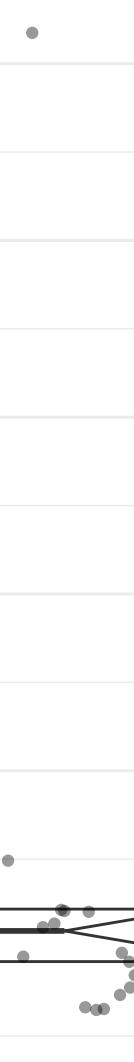
0.5
0.4
0.3
0.2
0.1
0.0

Group 3

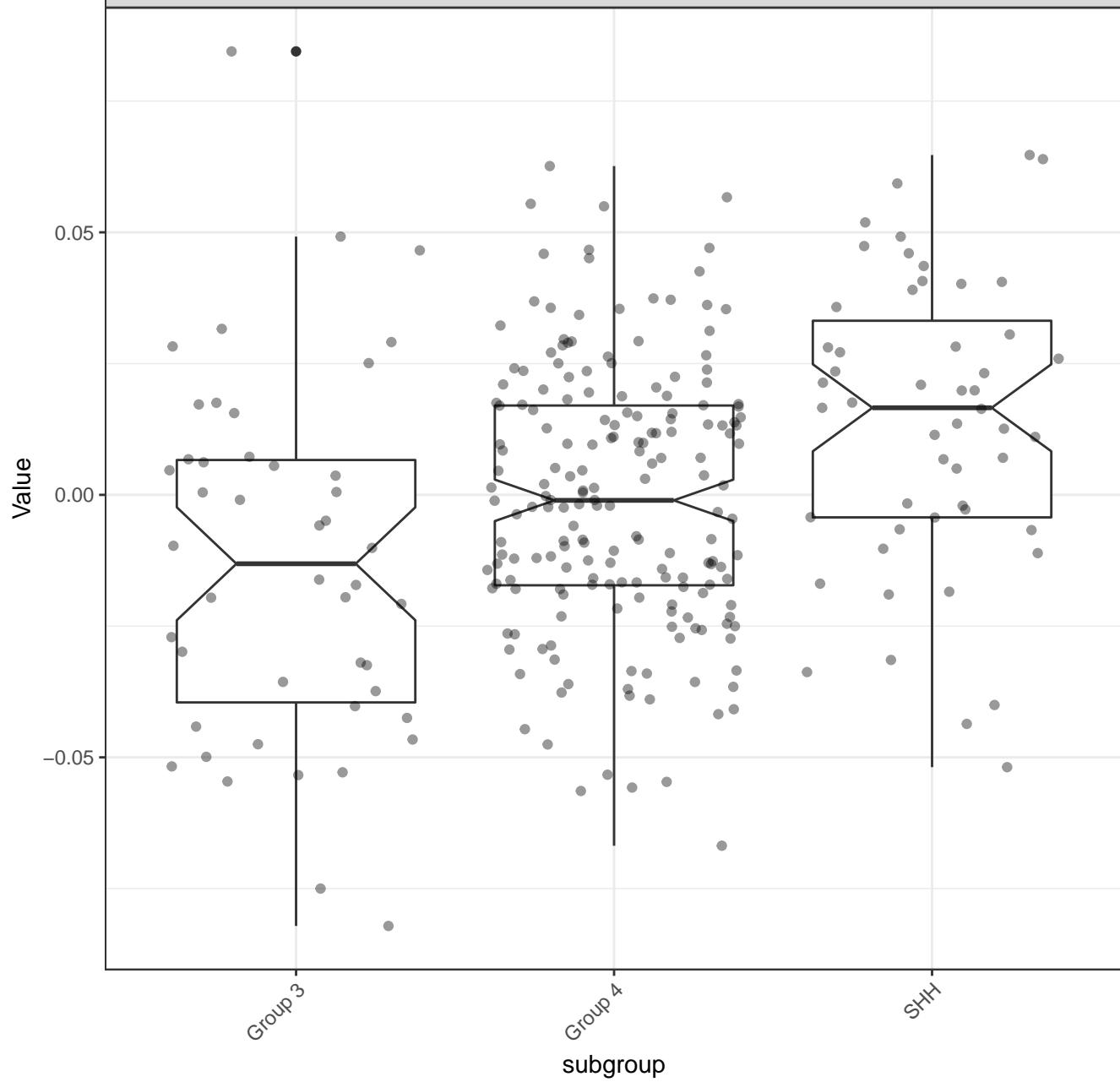
Group 4

SHH

subgroup



LV 460



LV 461

Value

0.10

0.05

0.00

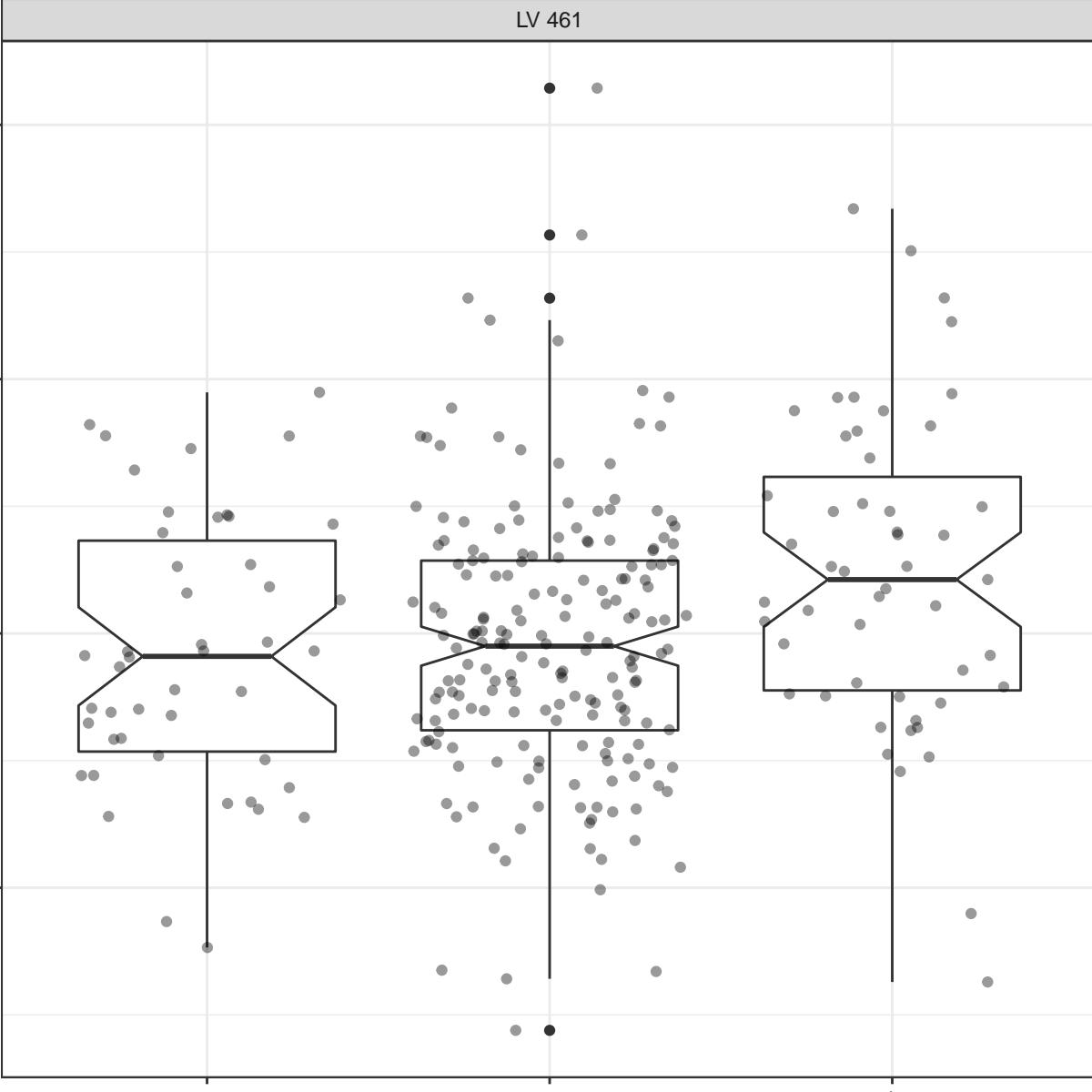
-0.05

Group 3

subgroup

Group 4

SHH



LV 462

Value

0.05

0.00

-0.05

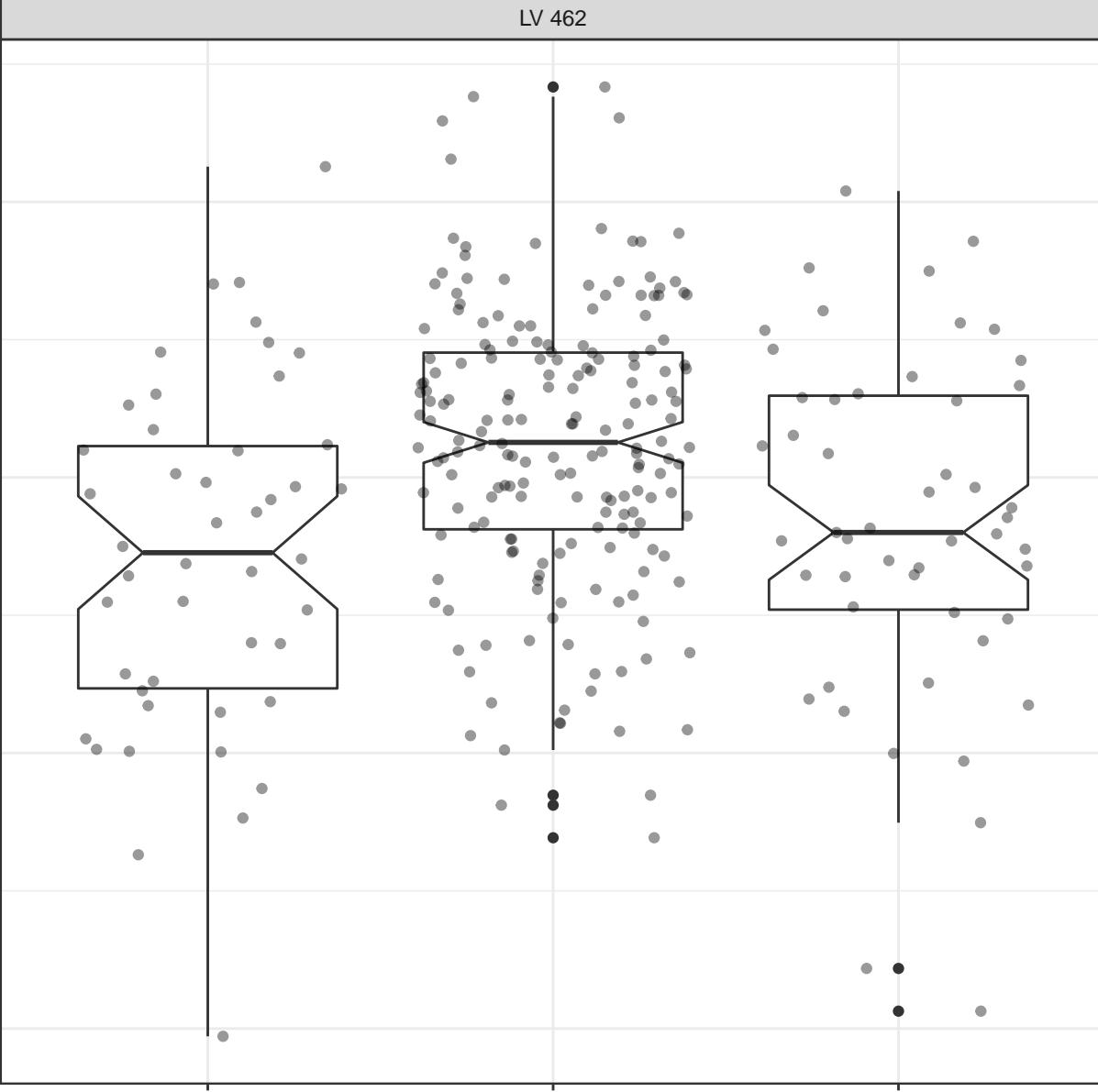
-0.10

Group 3

subgroup

Group 4

SHH



LV 463

Value

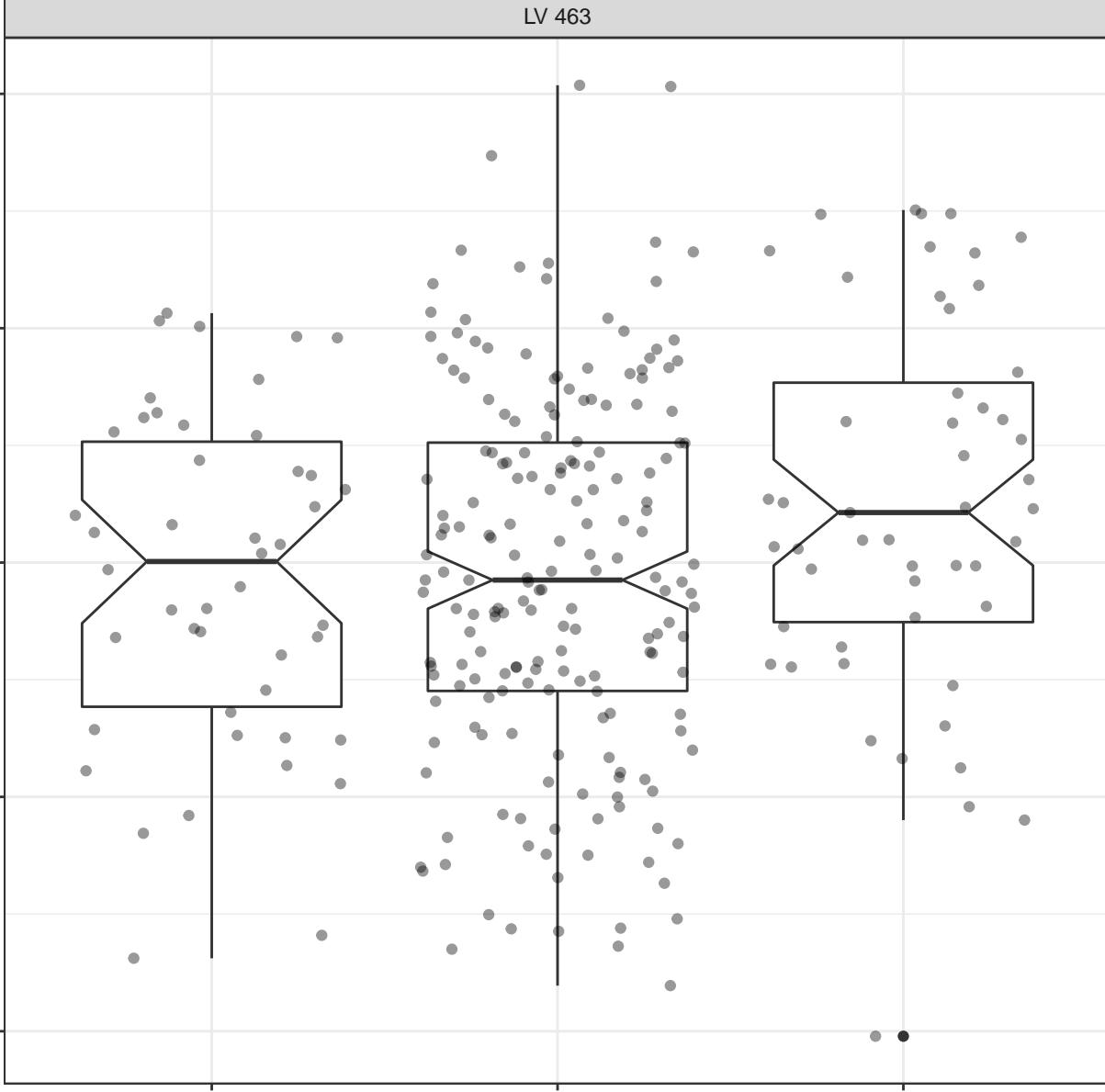
0.06
0.03
0.00
-0.03
-0.06

Group 3

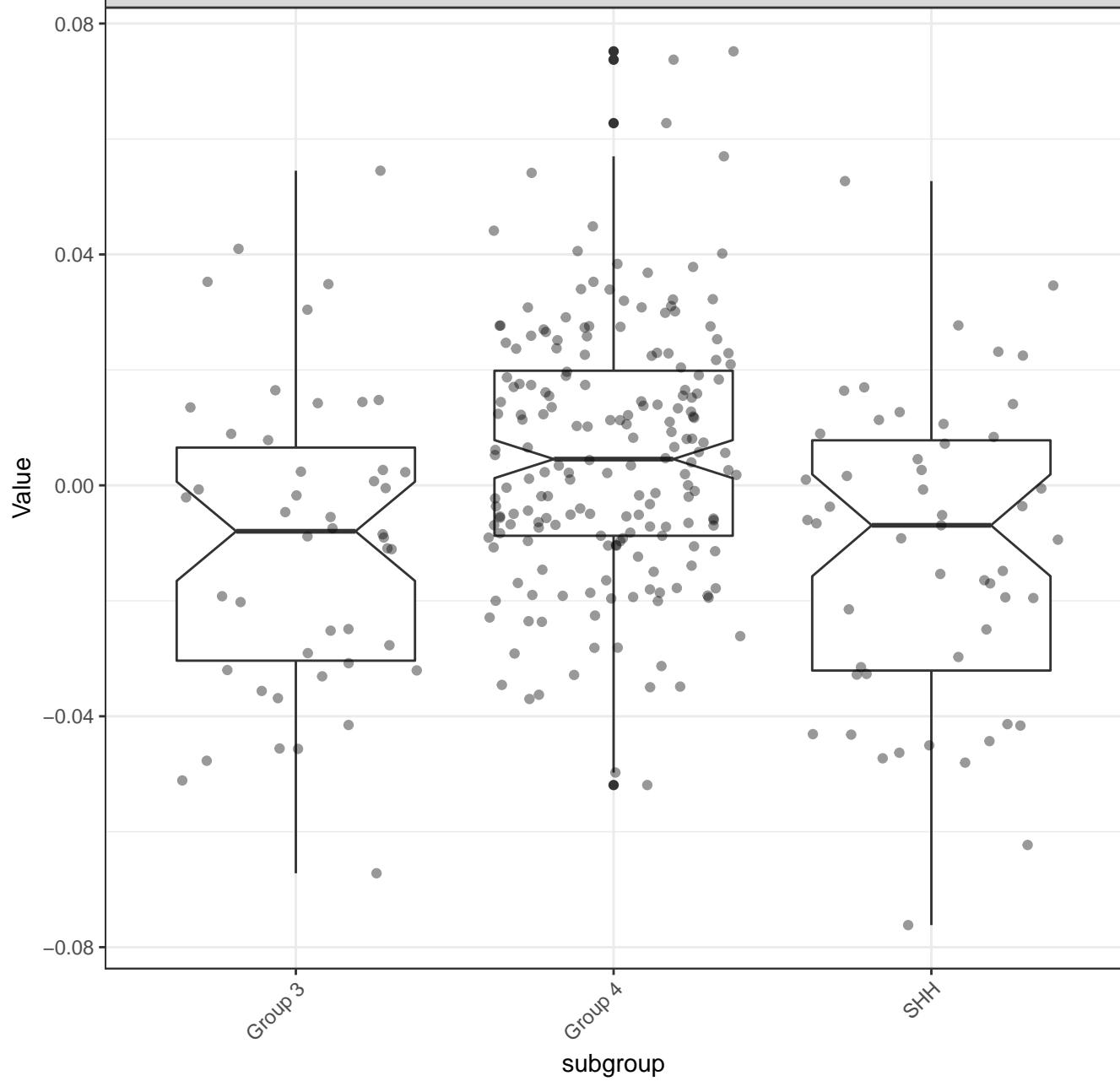
Group 4

SHH

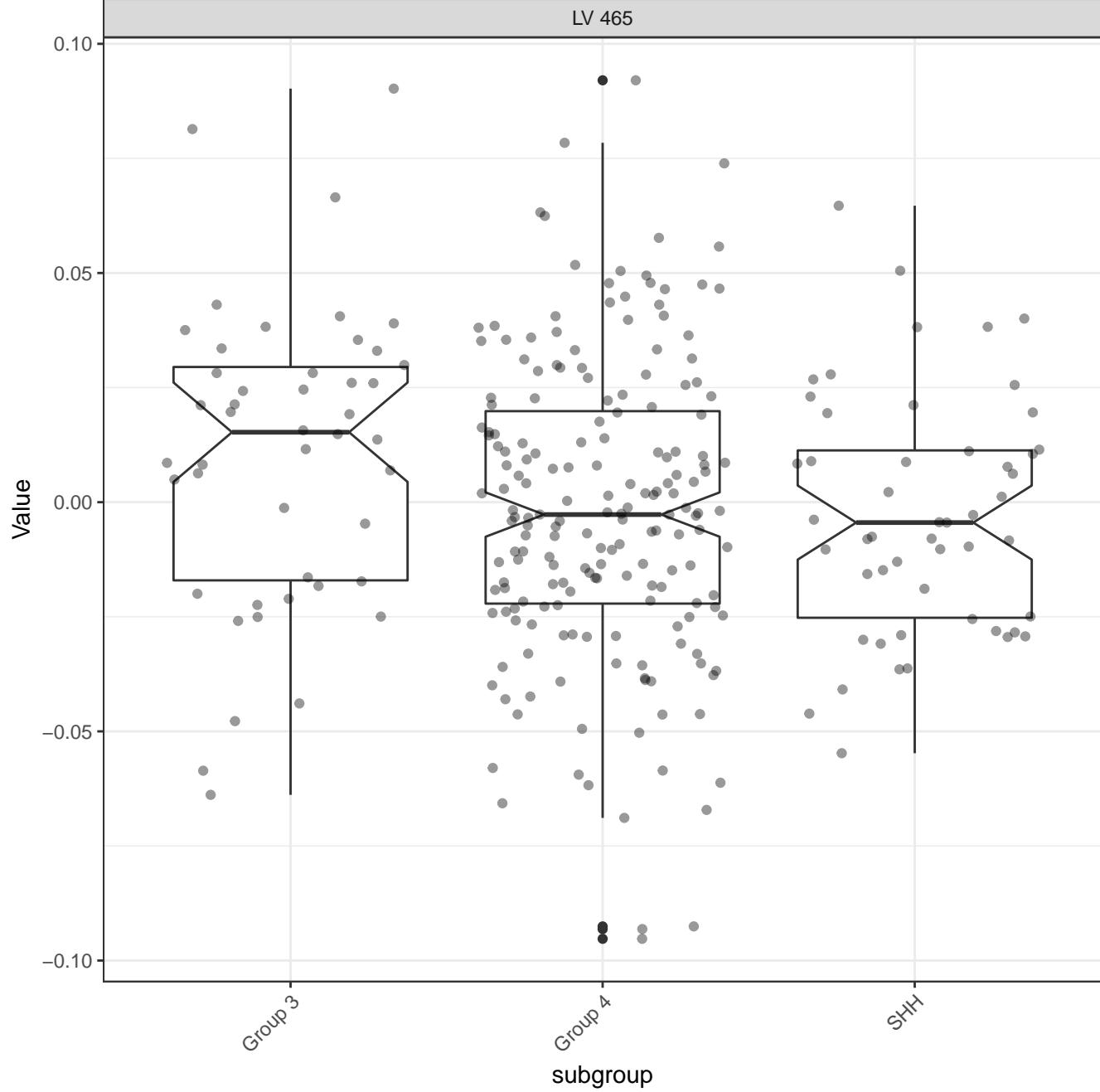
subgroup



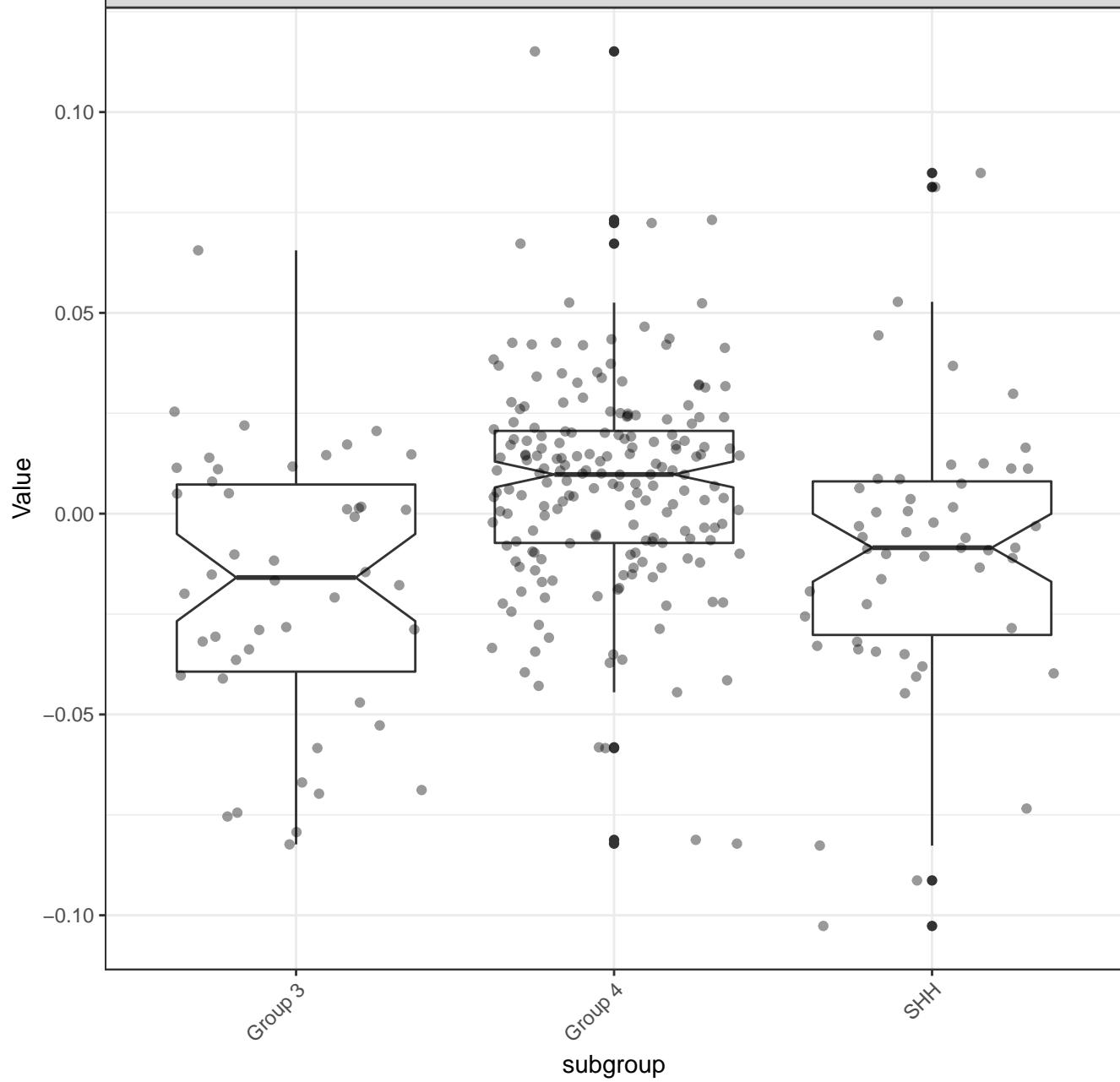
LV 464



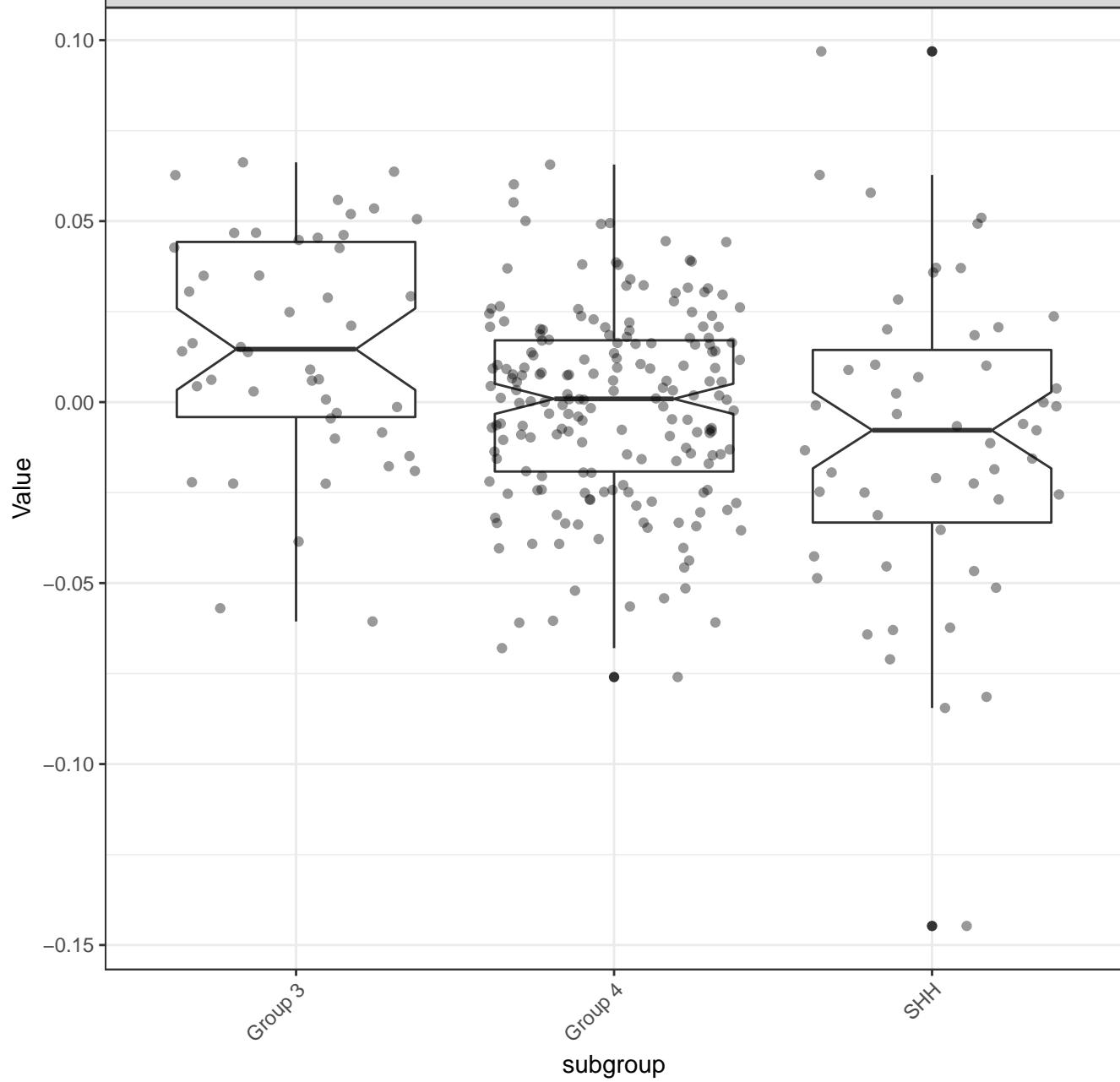
LV 465



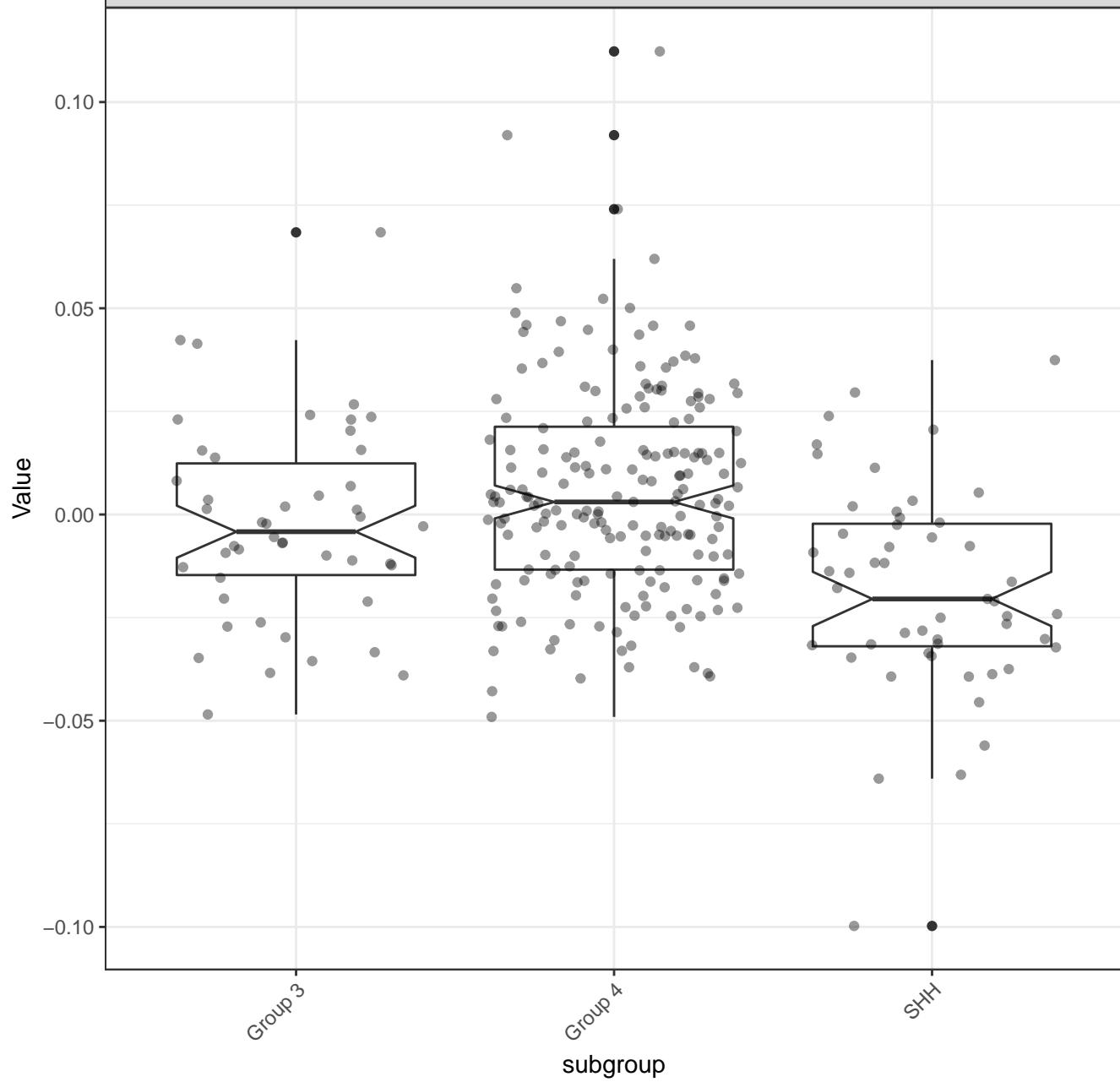
LV 466

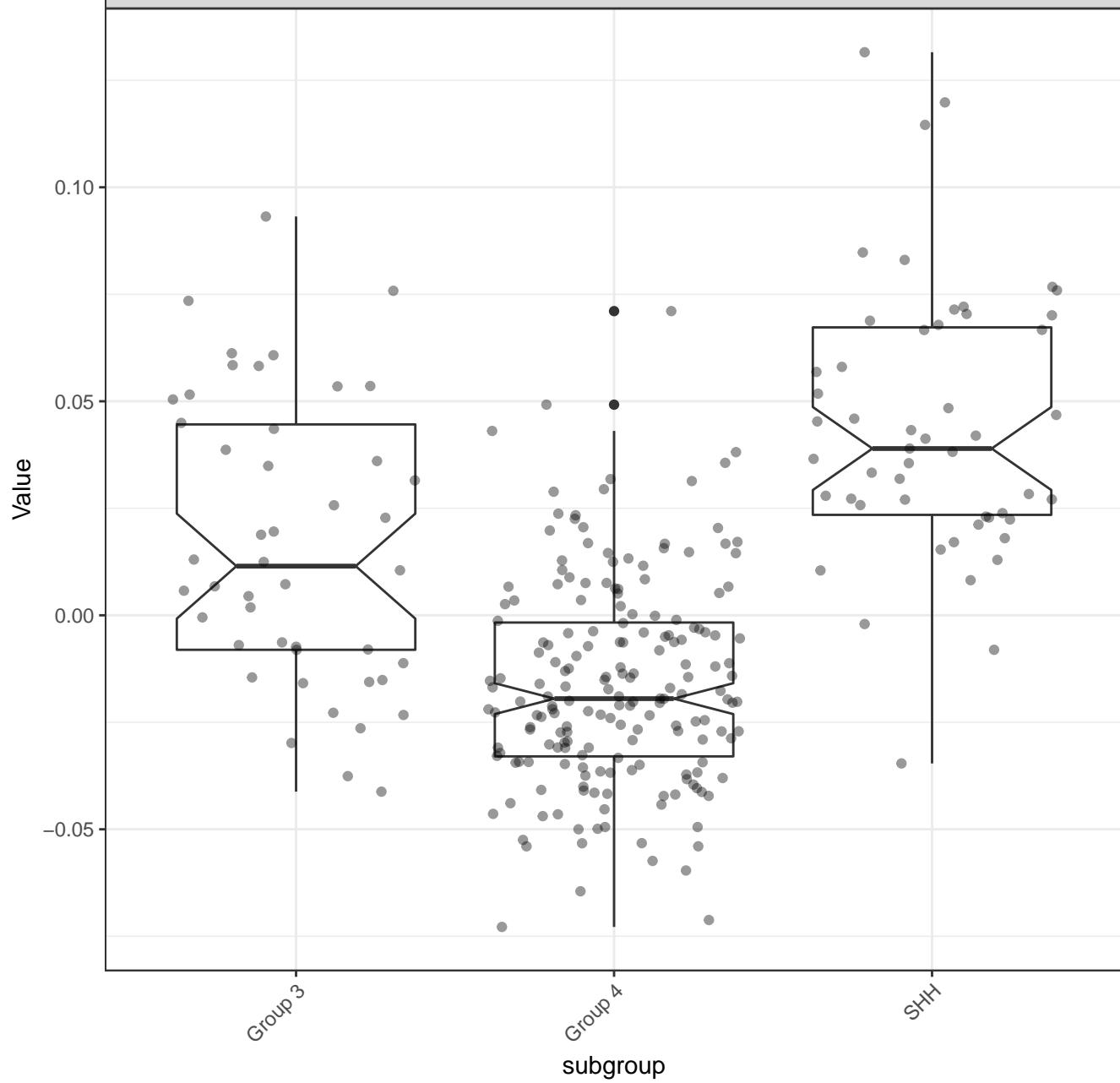


LV 467

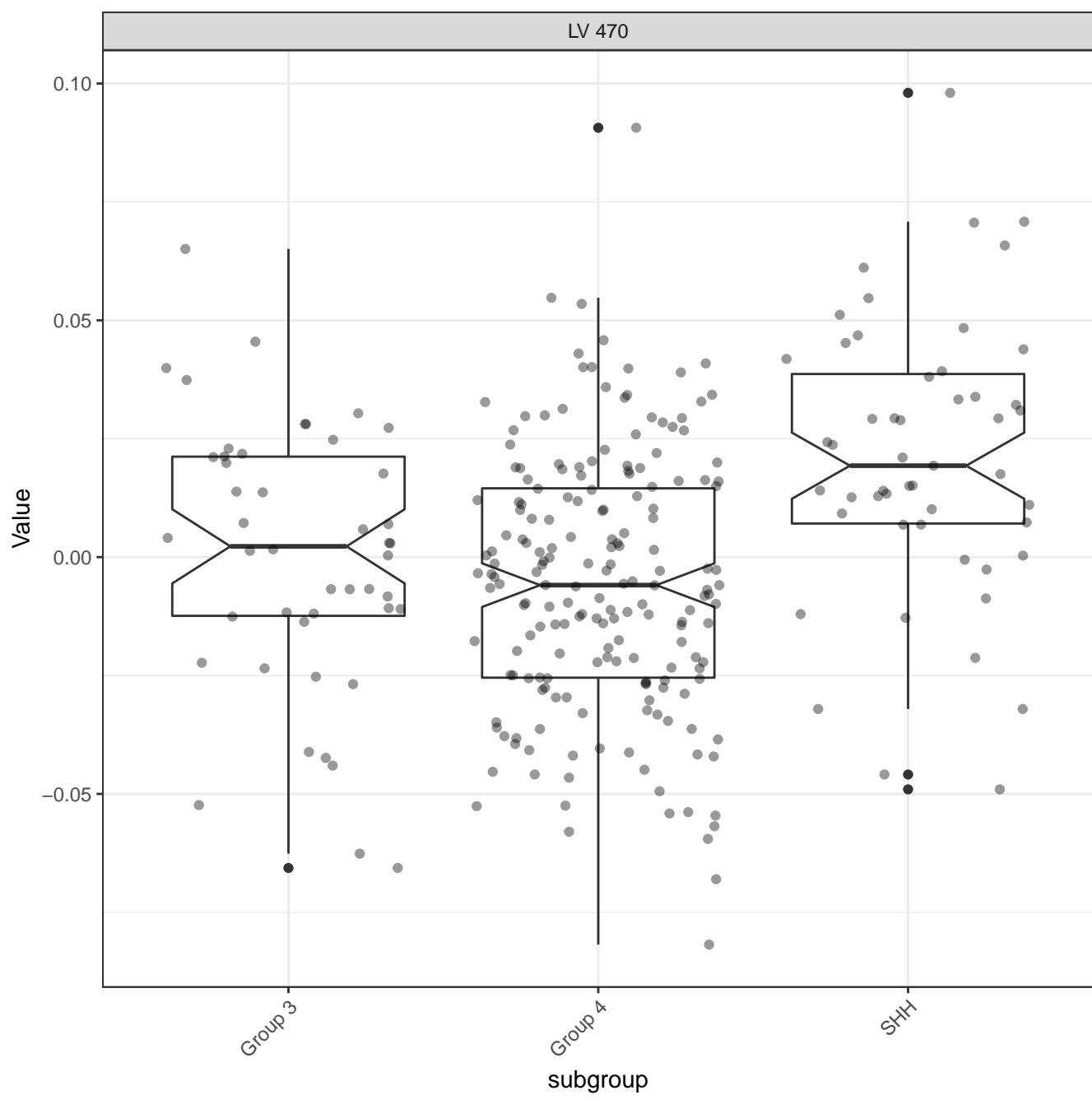


LV 468

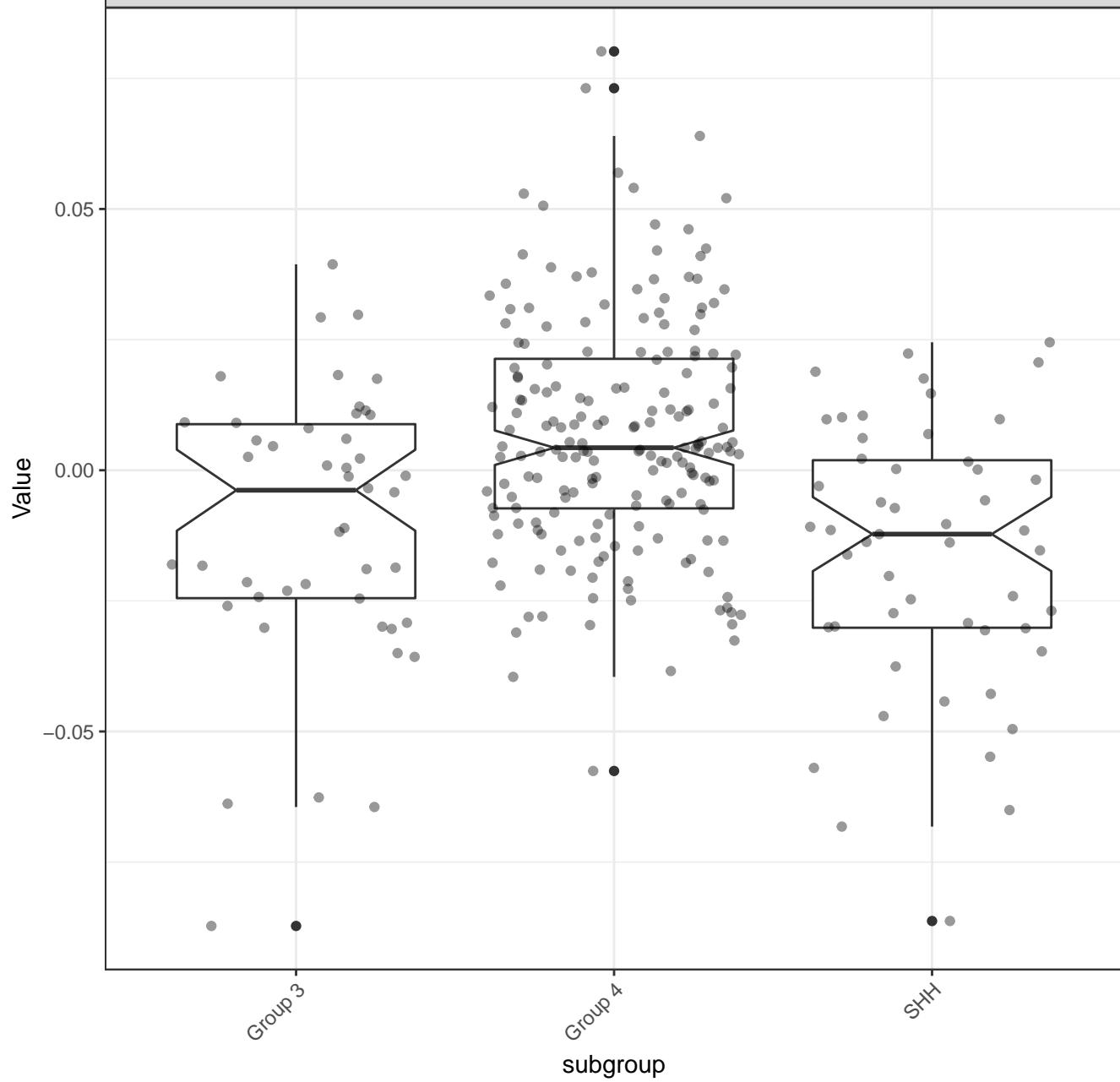




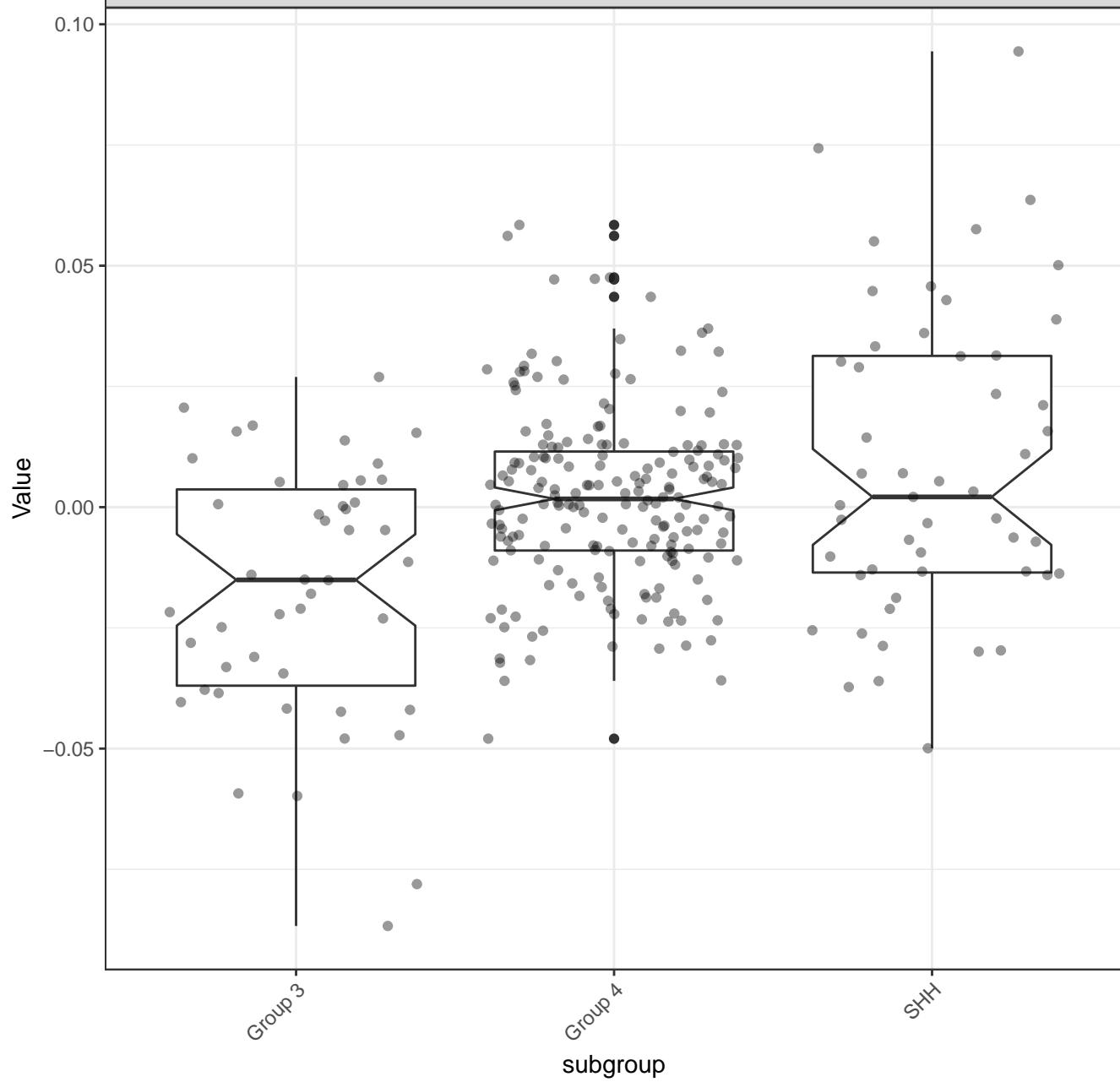
LV 470



LV 471



LV 472



473,KEGG_COMPLEMENT_AND_COAGULATION_CASCADES

Value

0.10

0.05

0.00

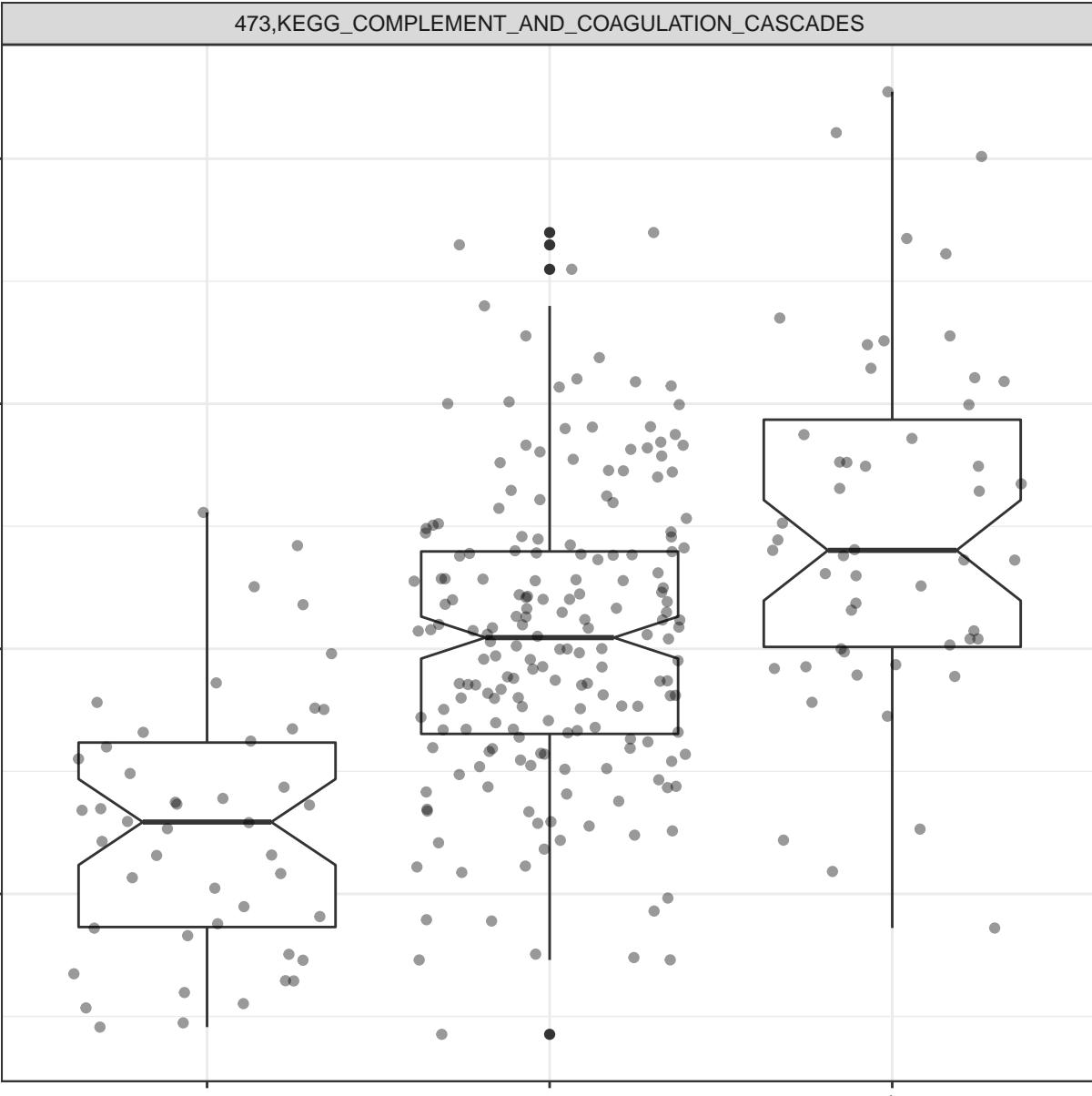
-0.05

Group 3

subgroup

Group 4

SHH



LV 474

Value

0.08

0.04

0.00

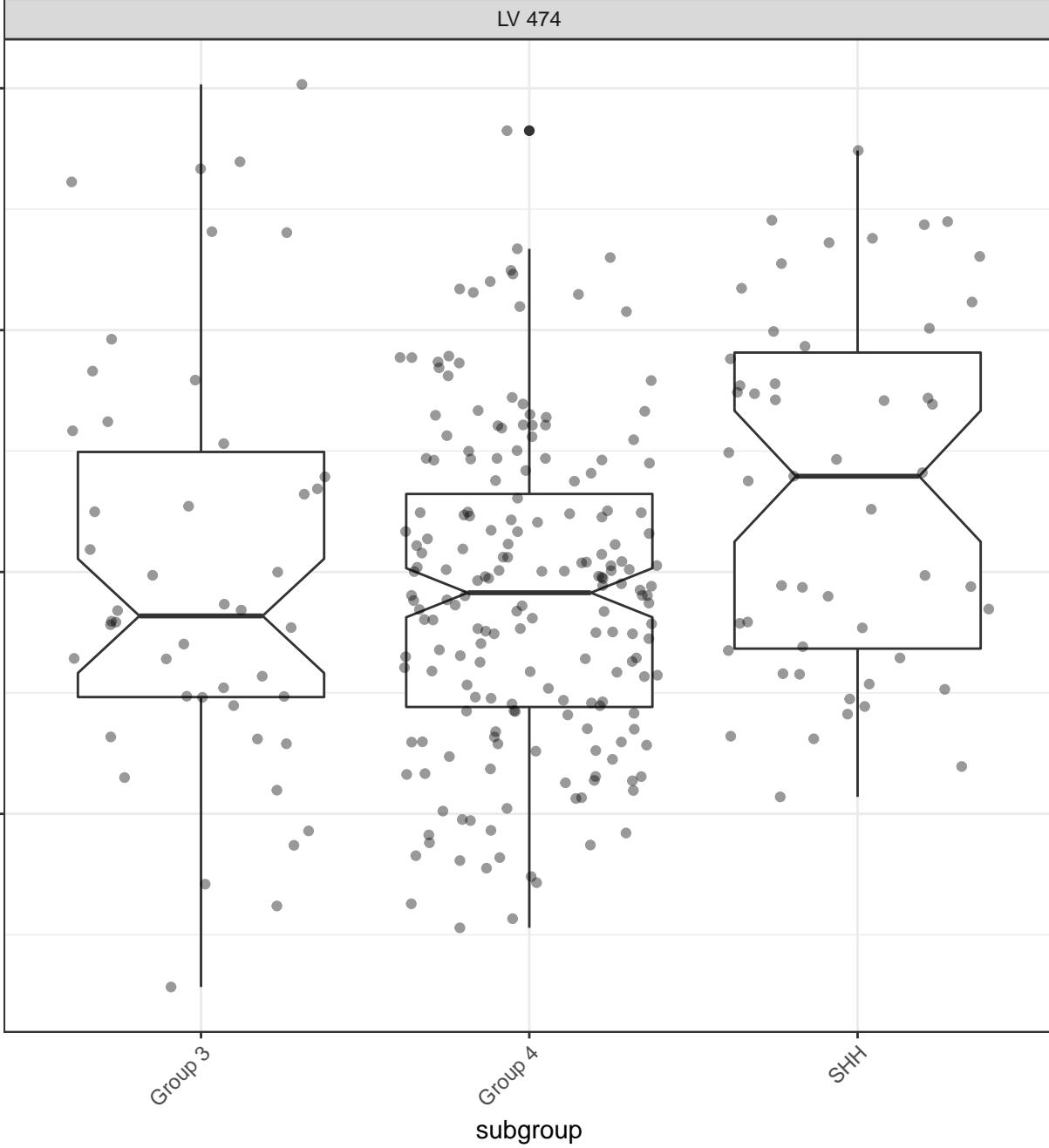
-0.04

Group 3

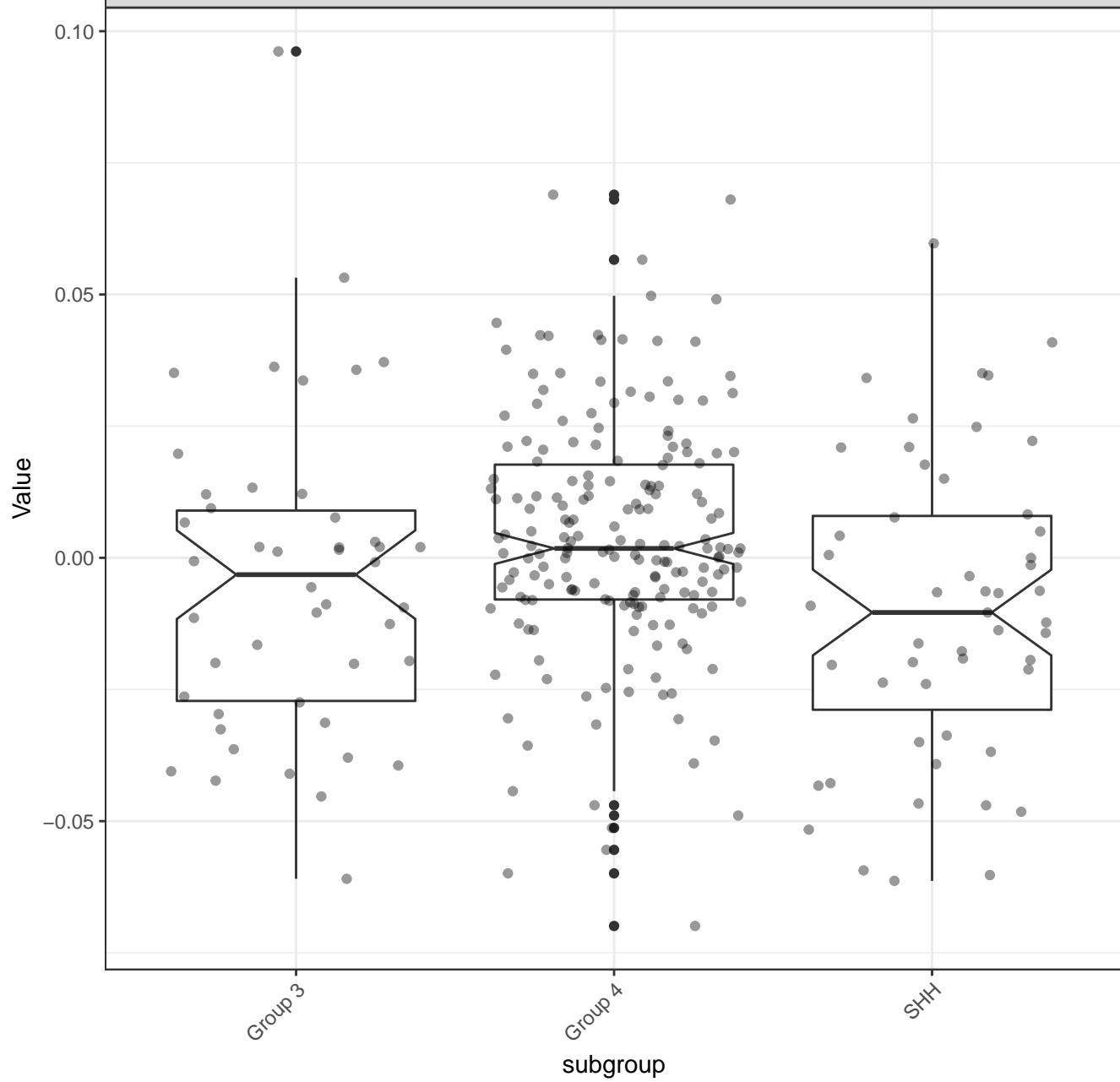
Group 4

SHH

subgroup



LV 475



LV 476

Value

0.05

0.00

-0.05

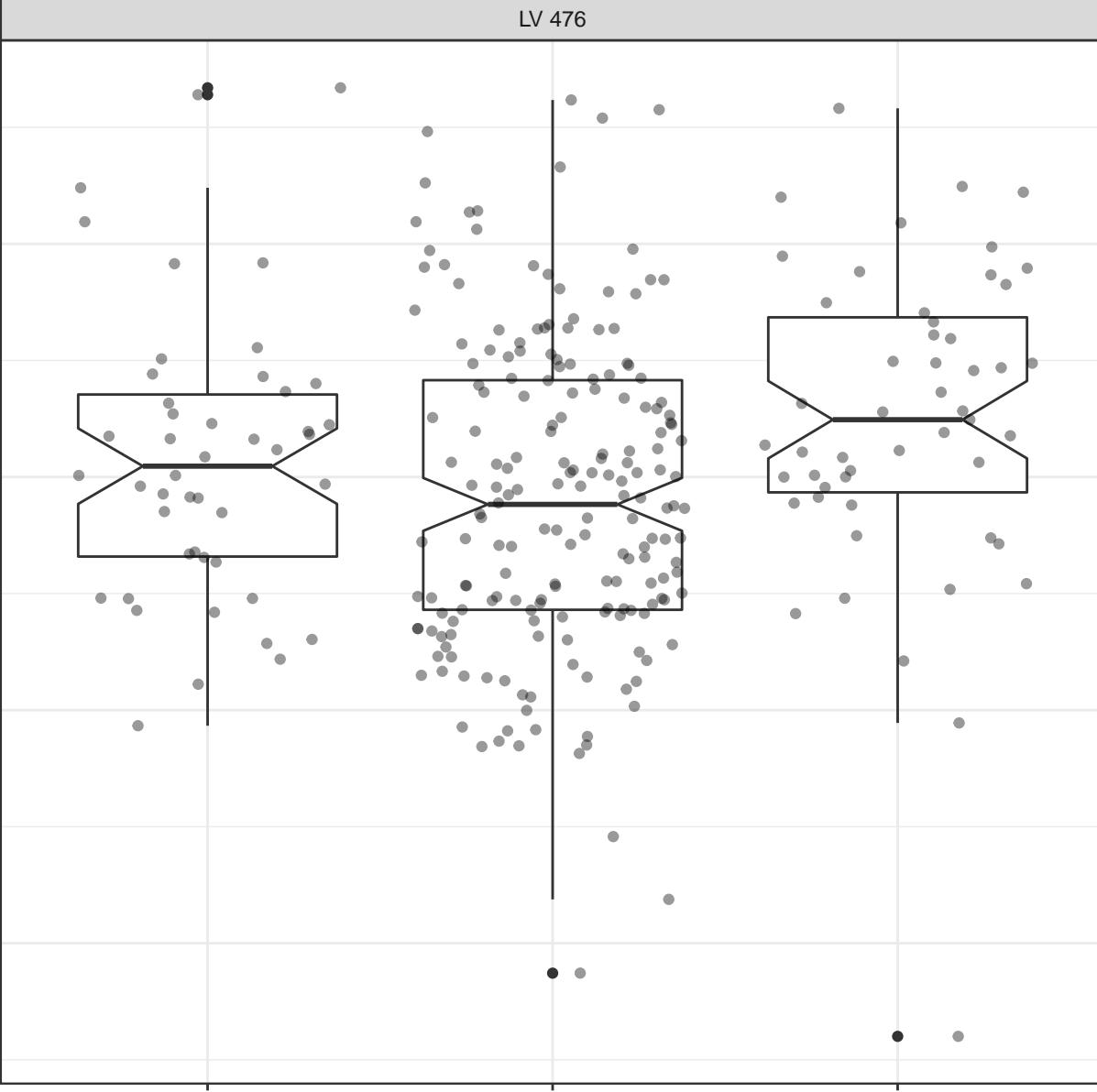
-0.10

Group 3

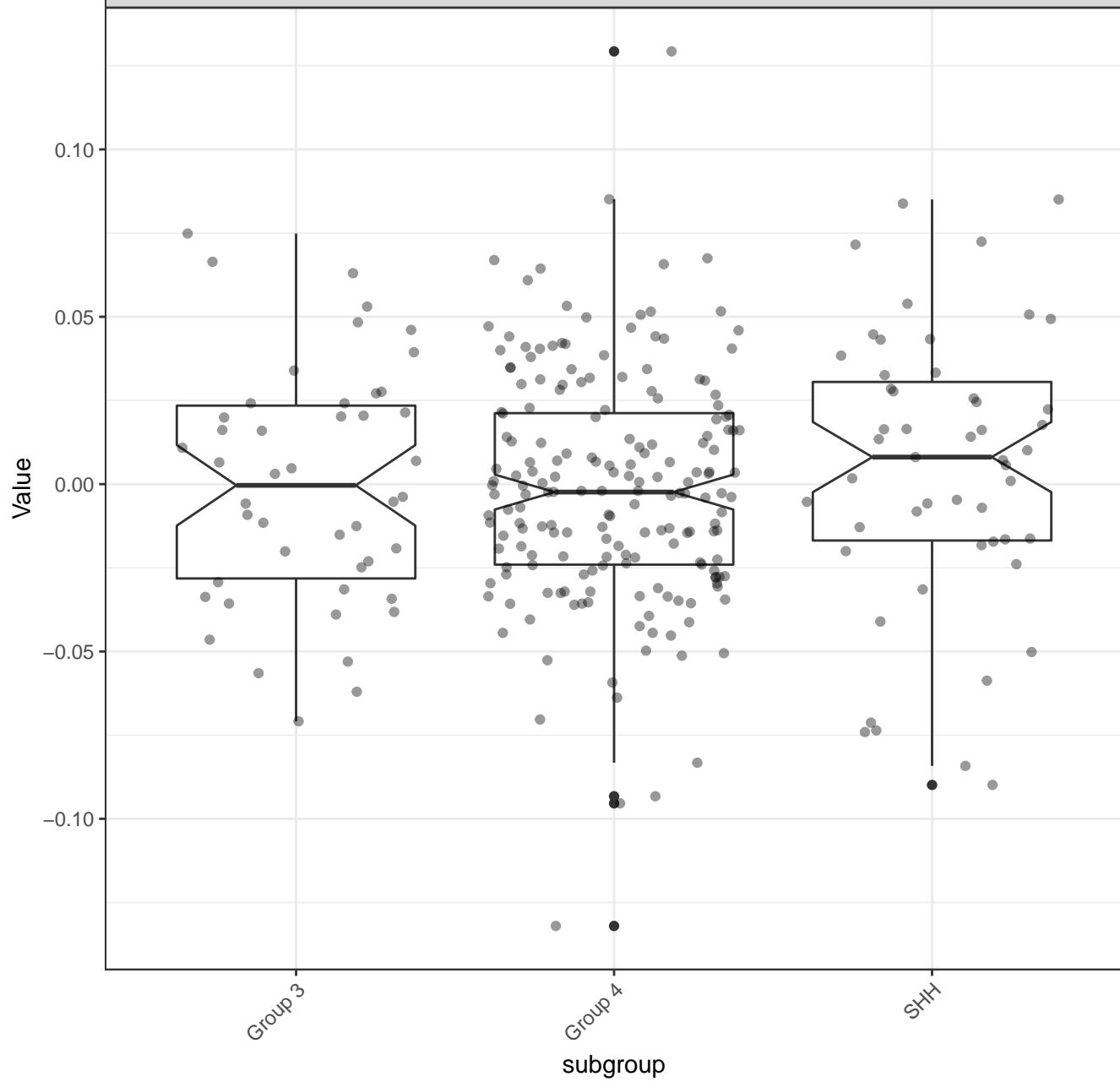
subgroup

Group 4

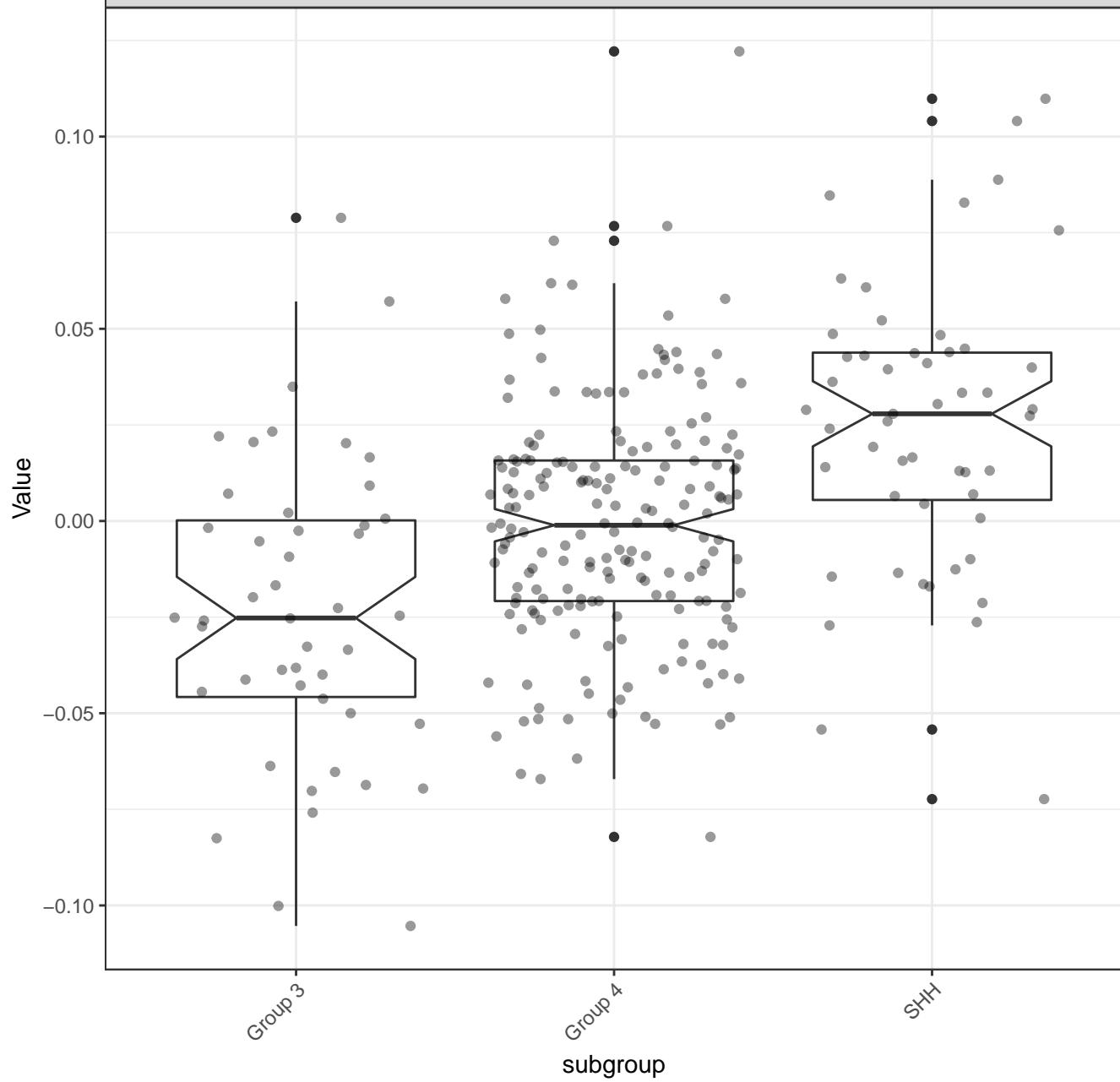
SHH

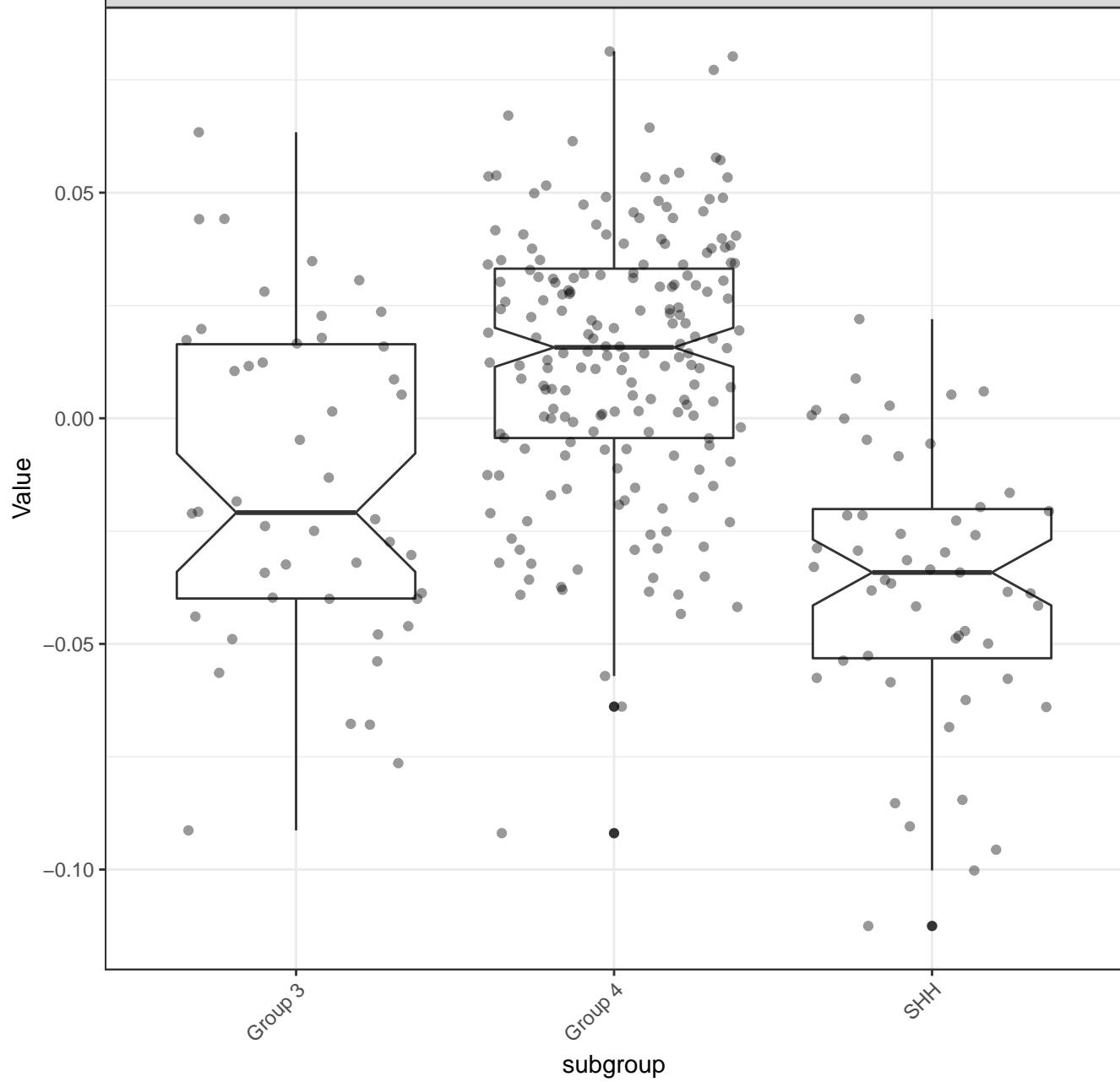


LV 477



LV 478





LV 480

Value

0.10

0.05

0.00

-0.05

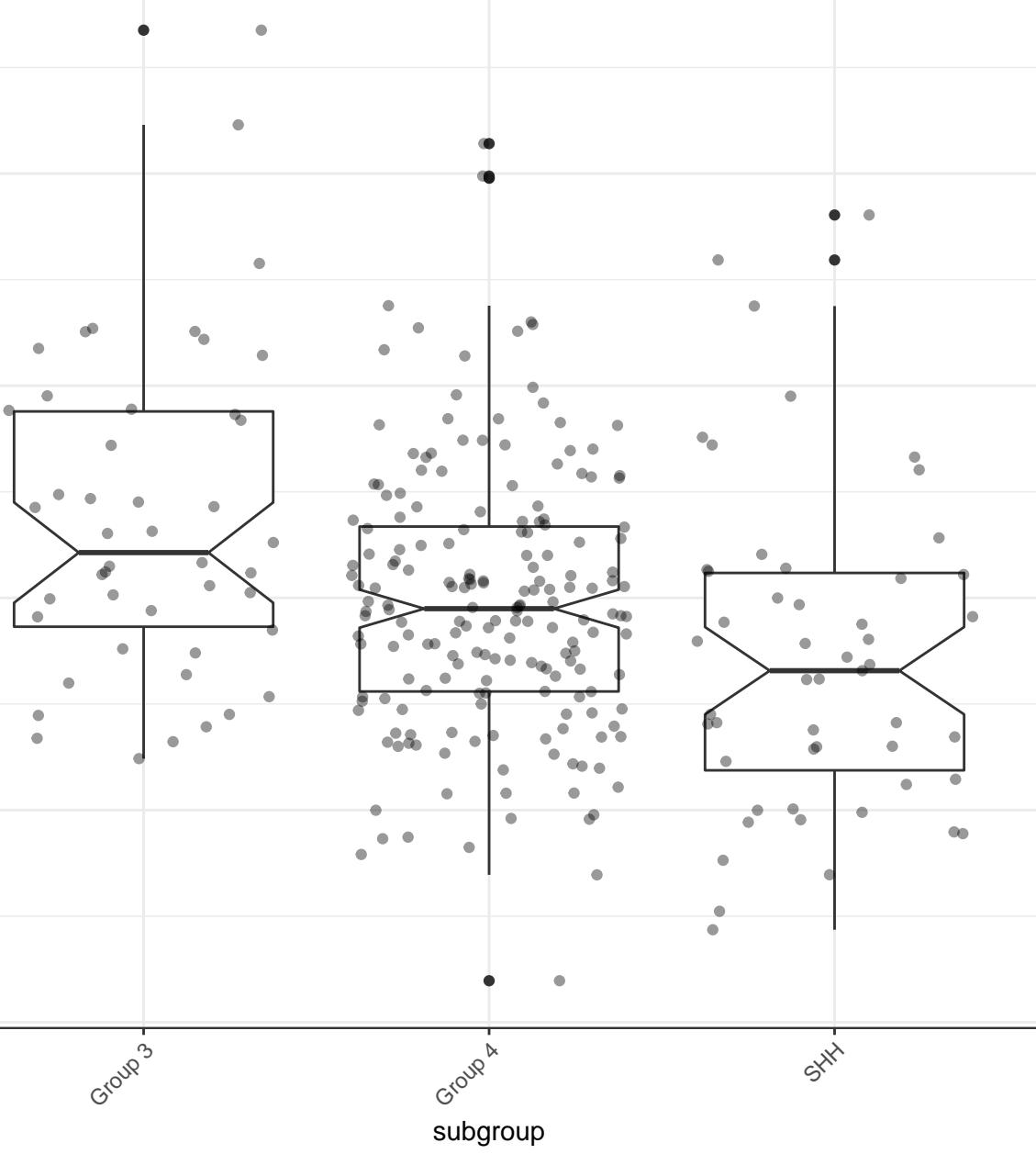
-0.10

Group 3

subgroup

Group 4

SHH



LV 481

Value

0.2

0.1

0.0

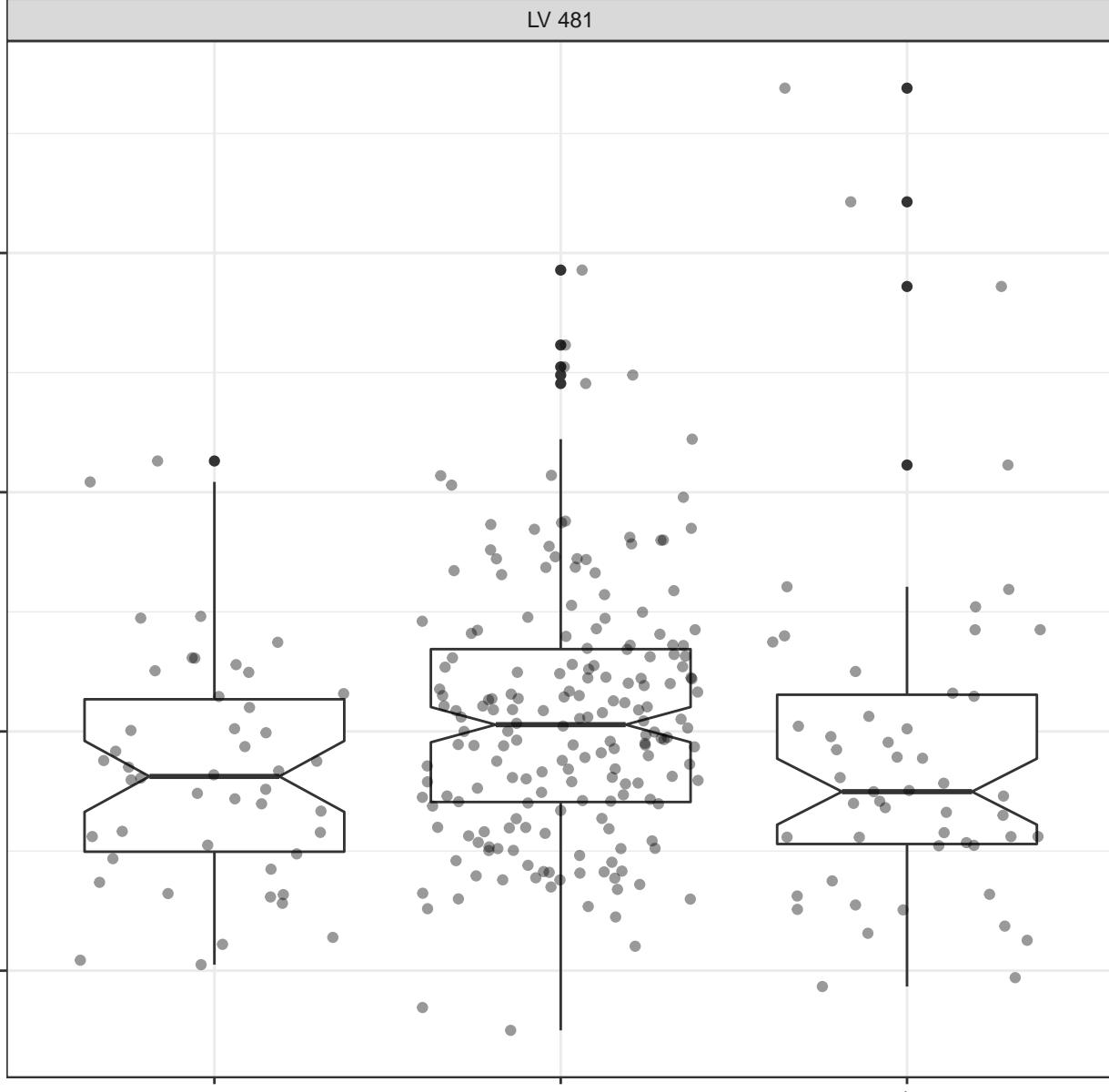
-0.1

Group 3

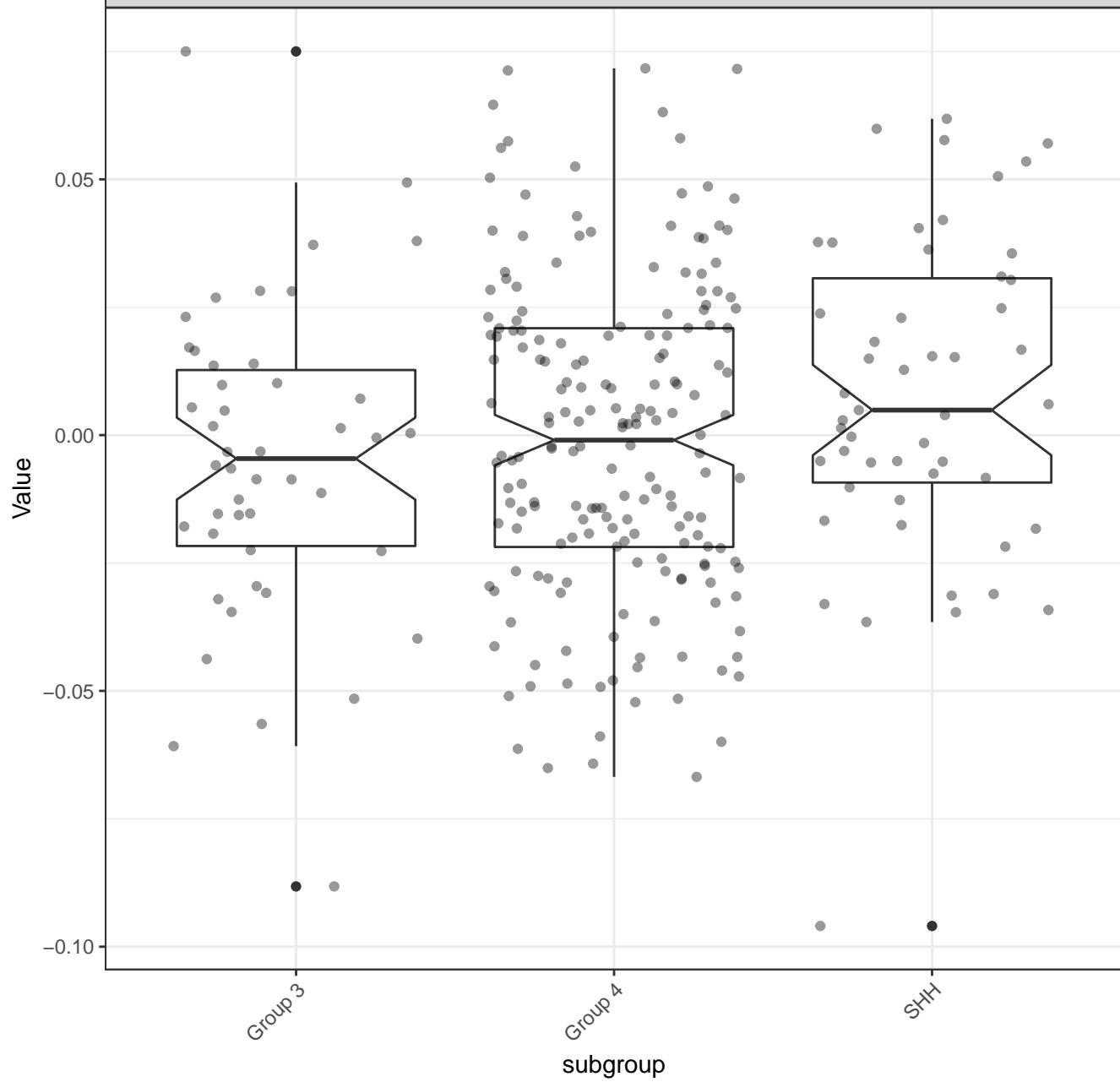
Group 4

SHH

subgroup



LV 482



LV 483

Value

0.10

0.05

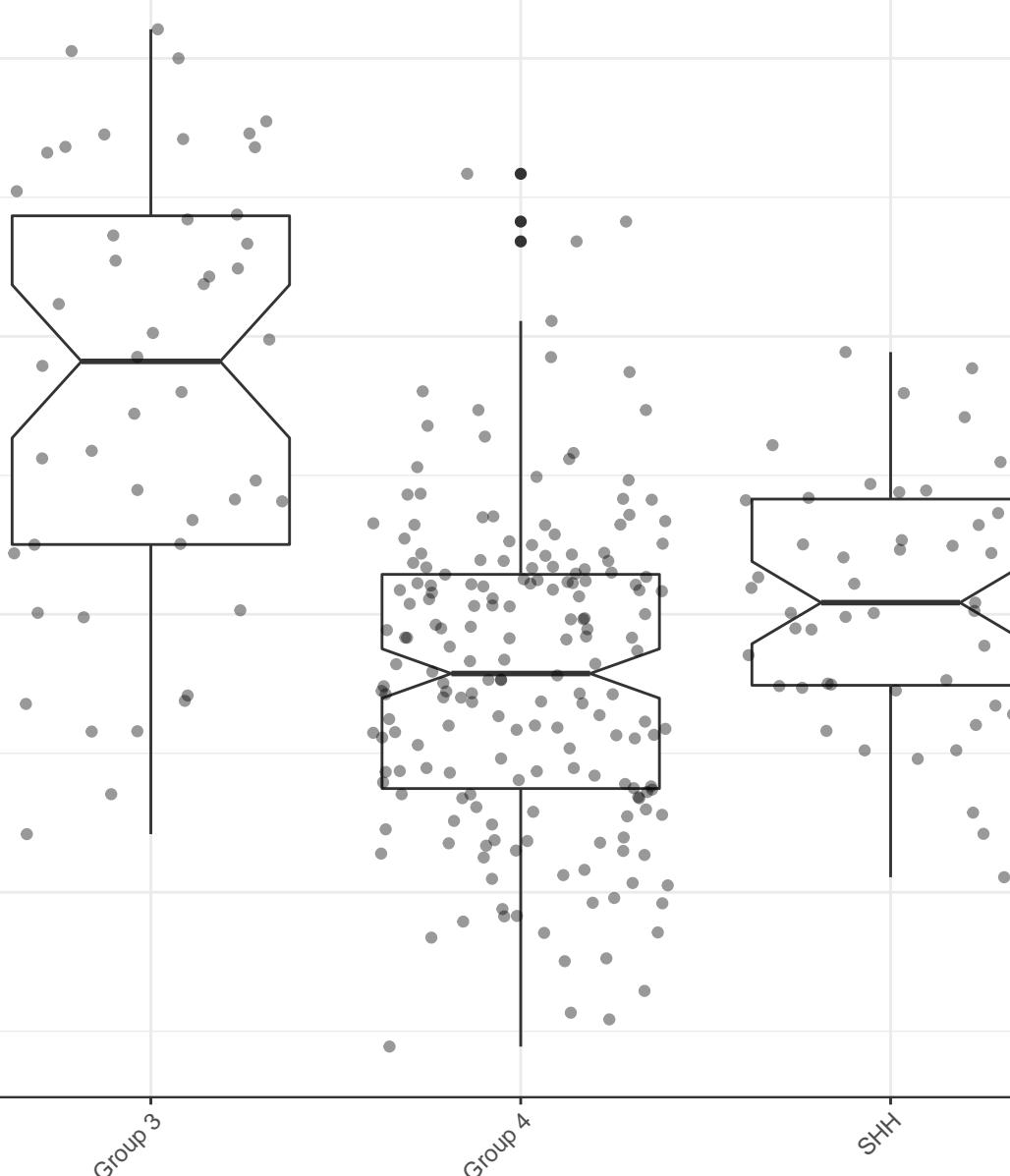
0.00

-0.05

Group 3

subgroup

SHH



LV 484

Vvalue

0.10

0.05

0.00

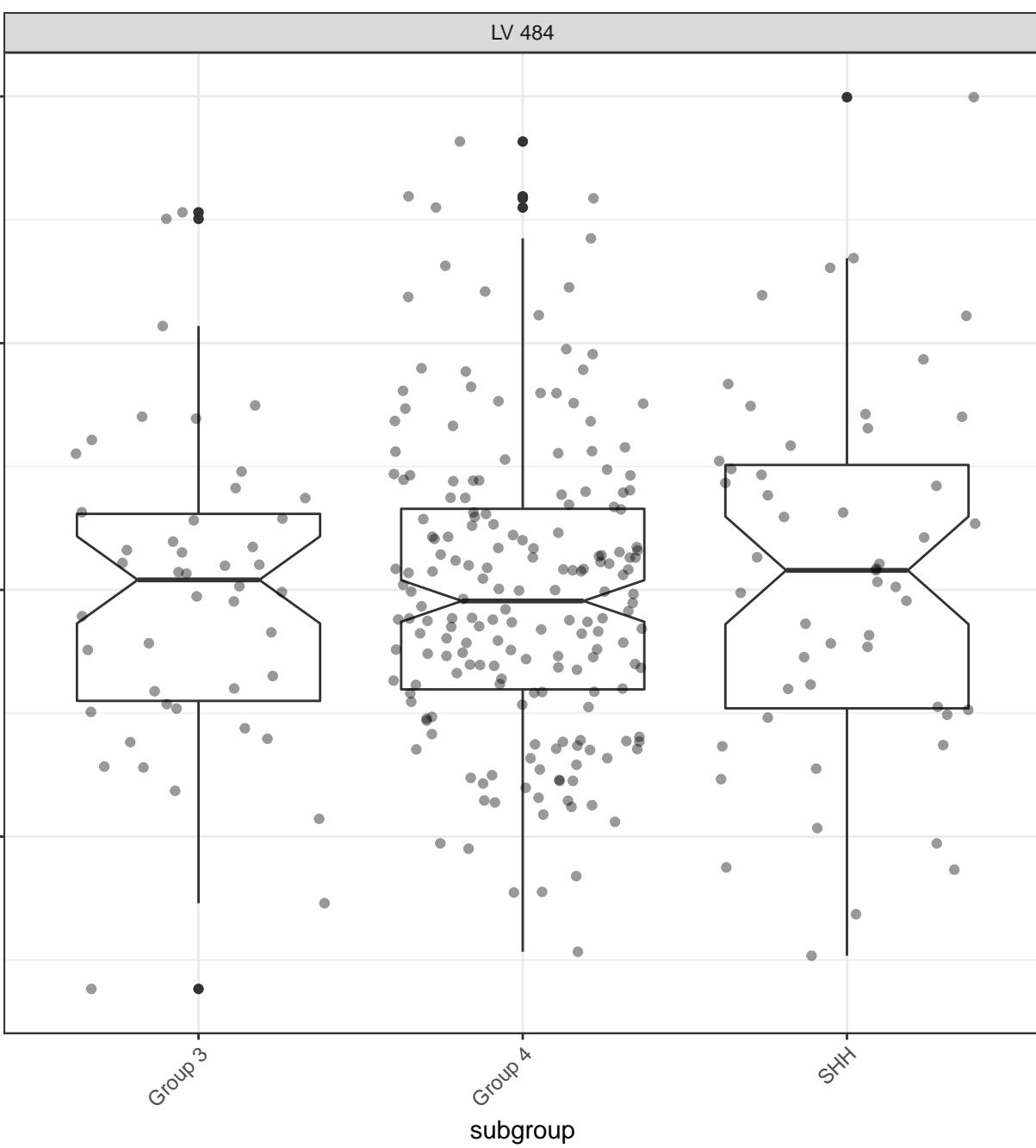
-0.05

Group₃

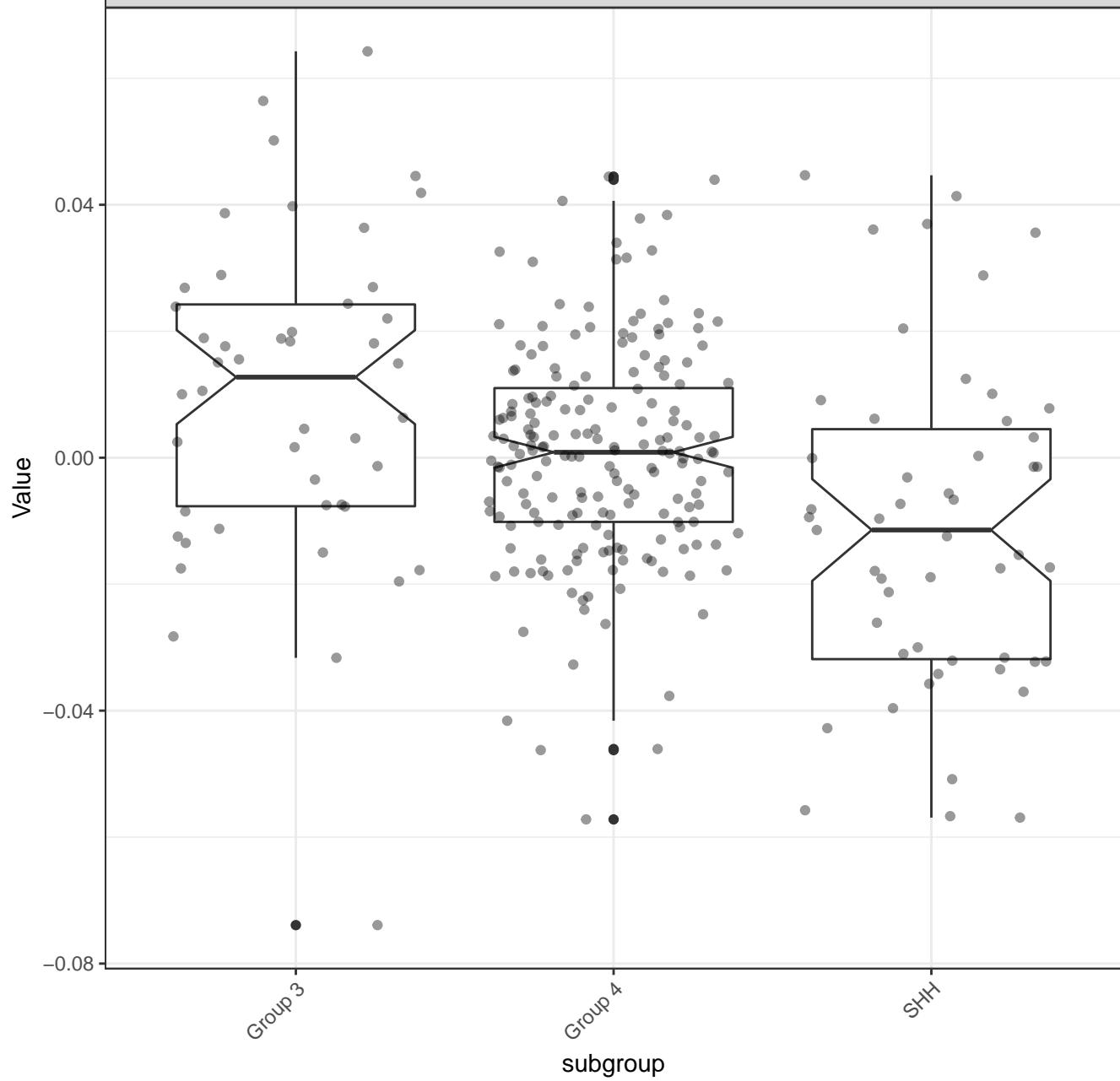
Group₄

SHH

subgroup



LV 485



LV 486

Value

0.2

0.1

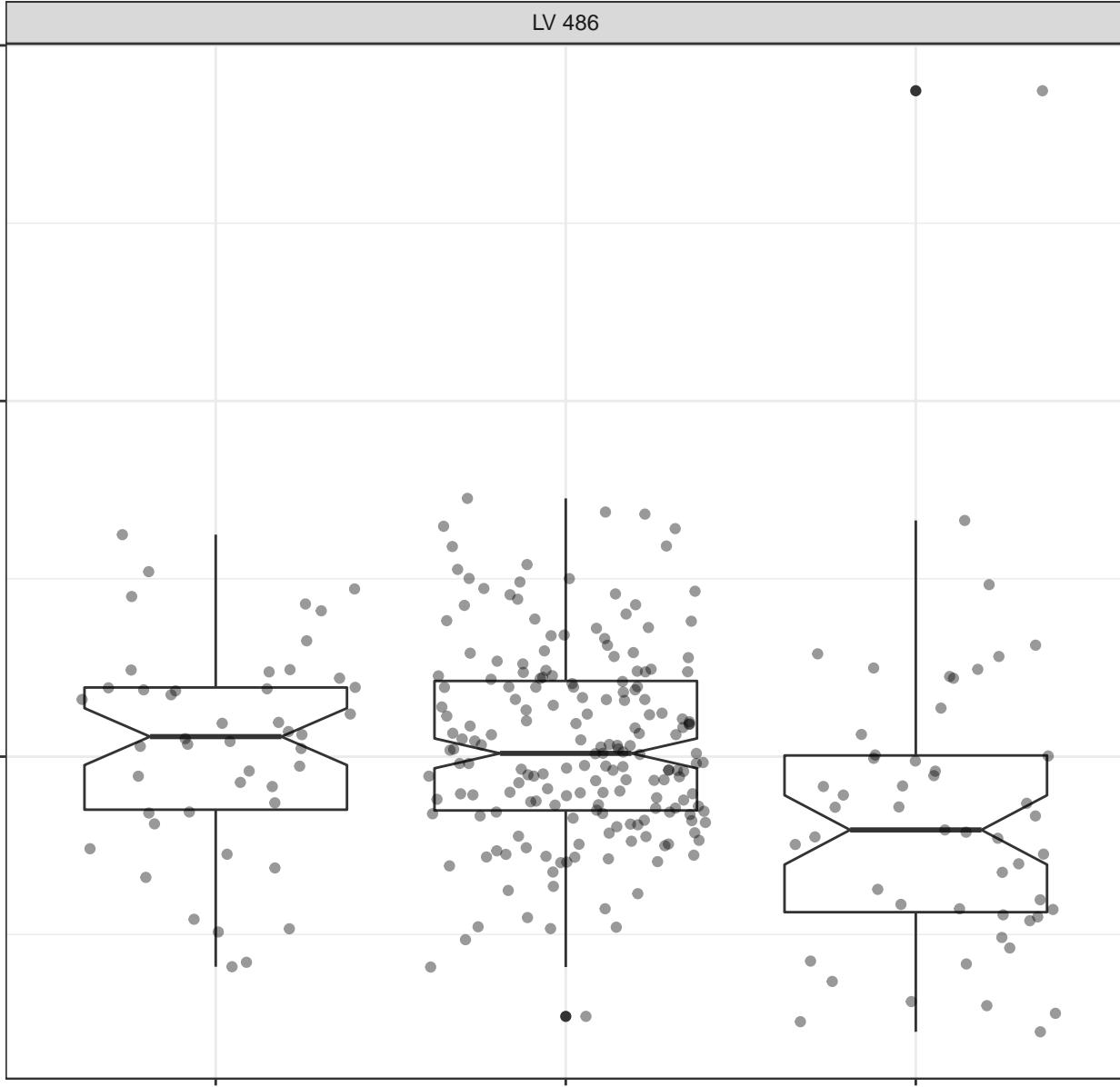
0.0

Group 3

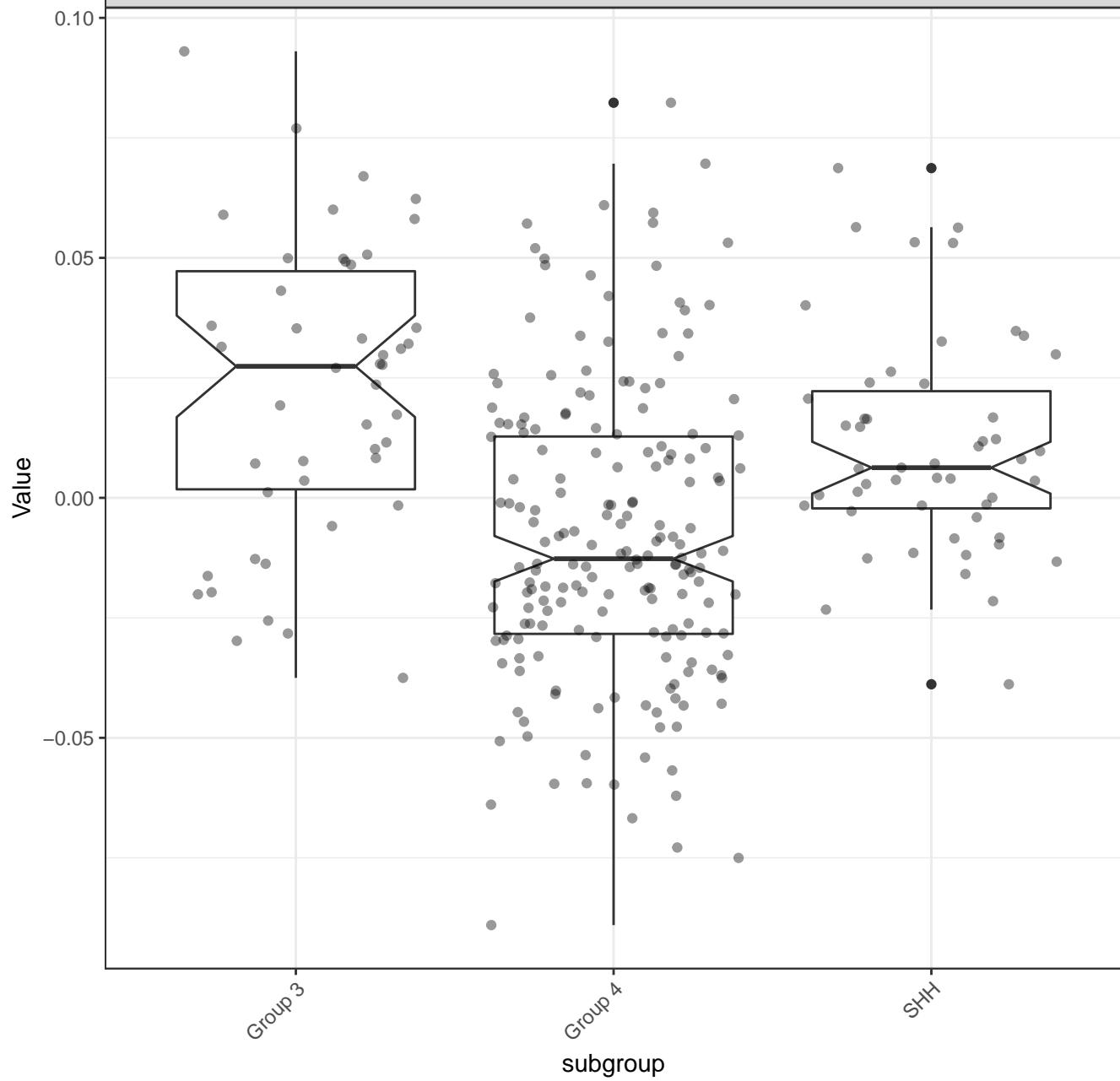
Group 4

SHH

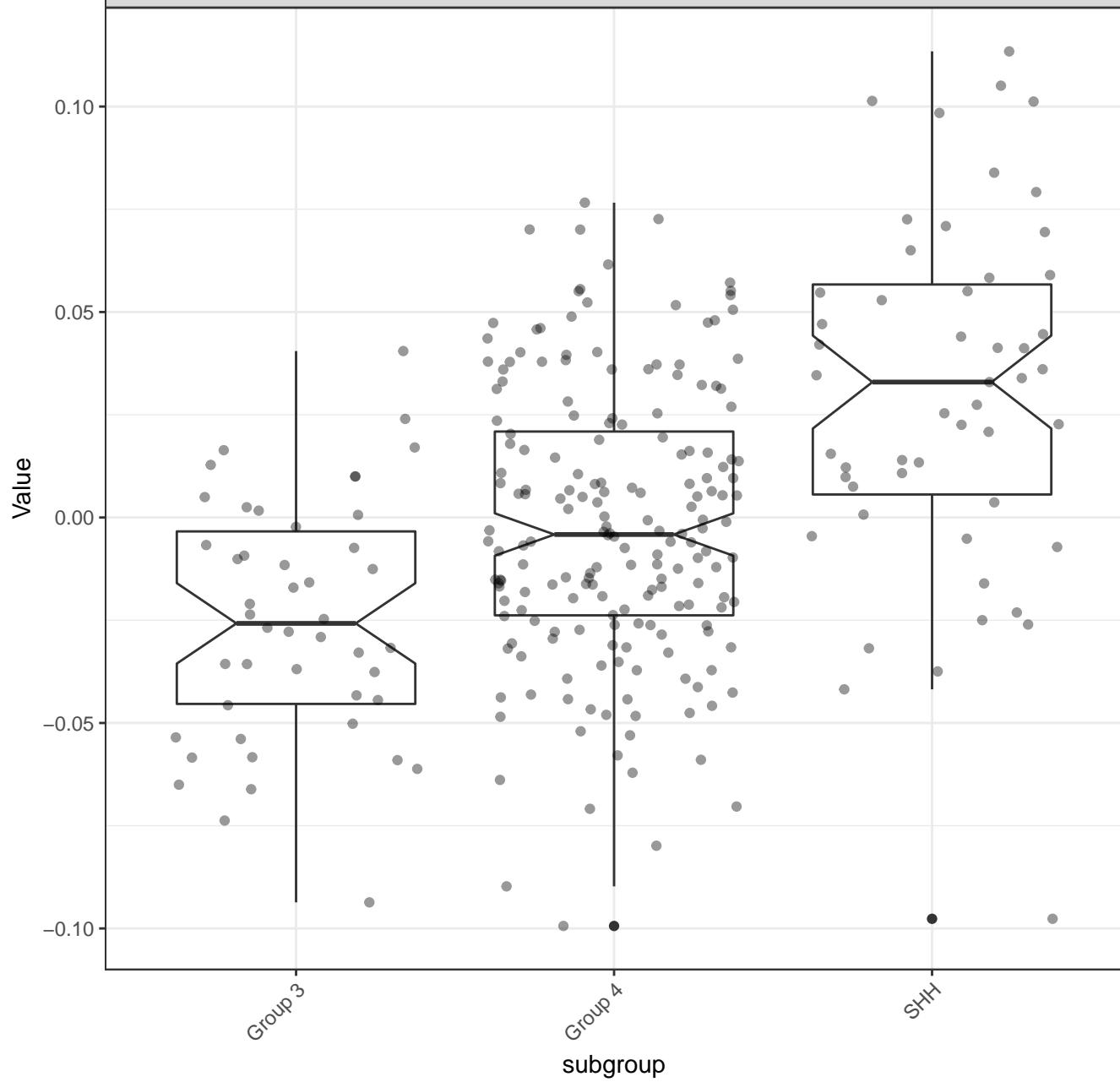
subgroup



LV 487



LV 488



LV 489

Value

0.05

0.00

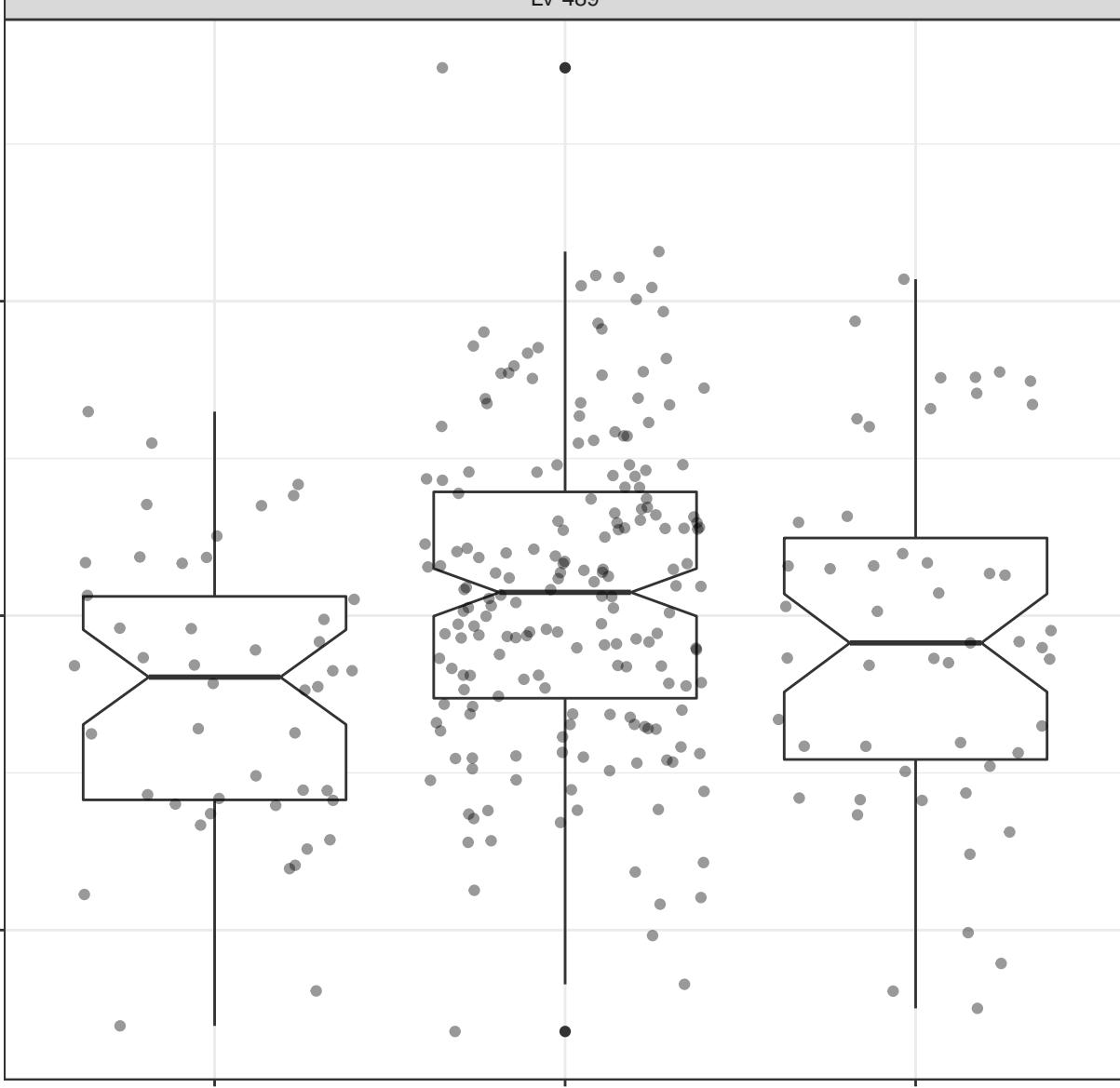
-0.05

Group 3

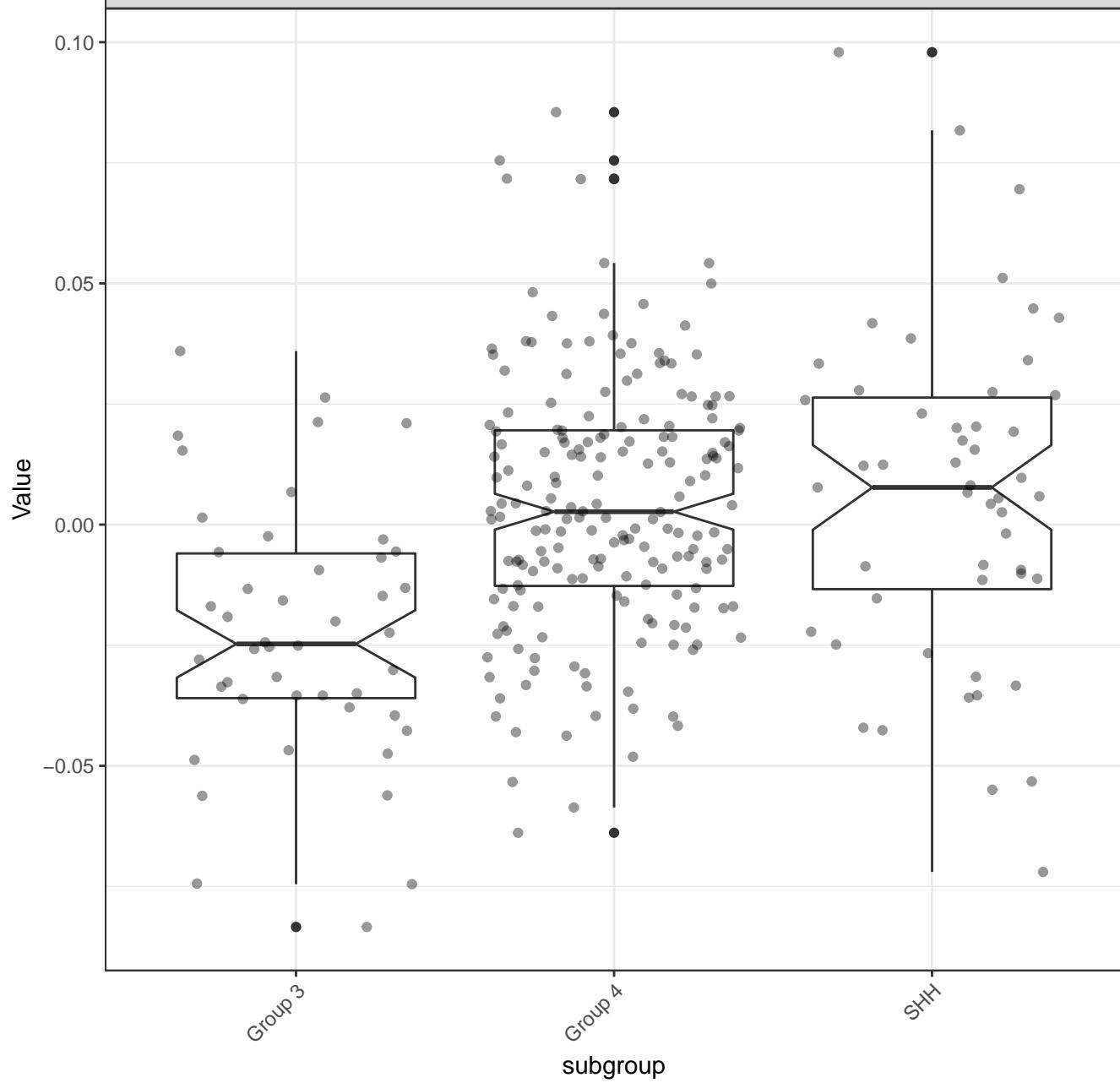
Group 4

SHH

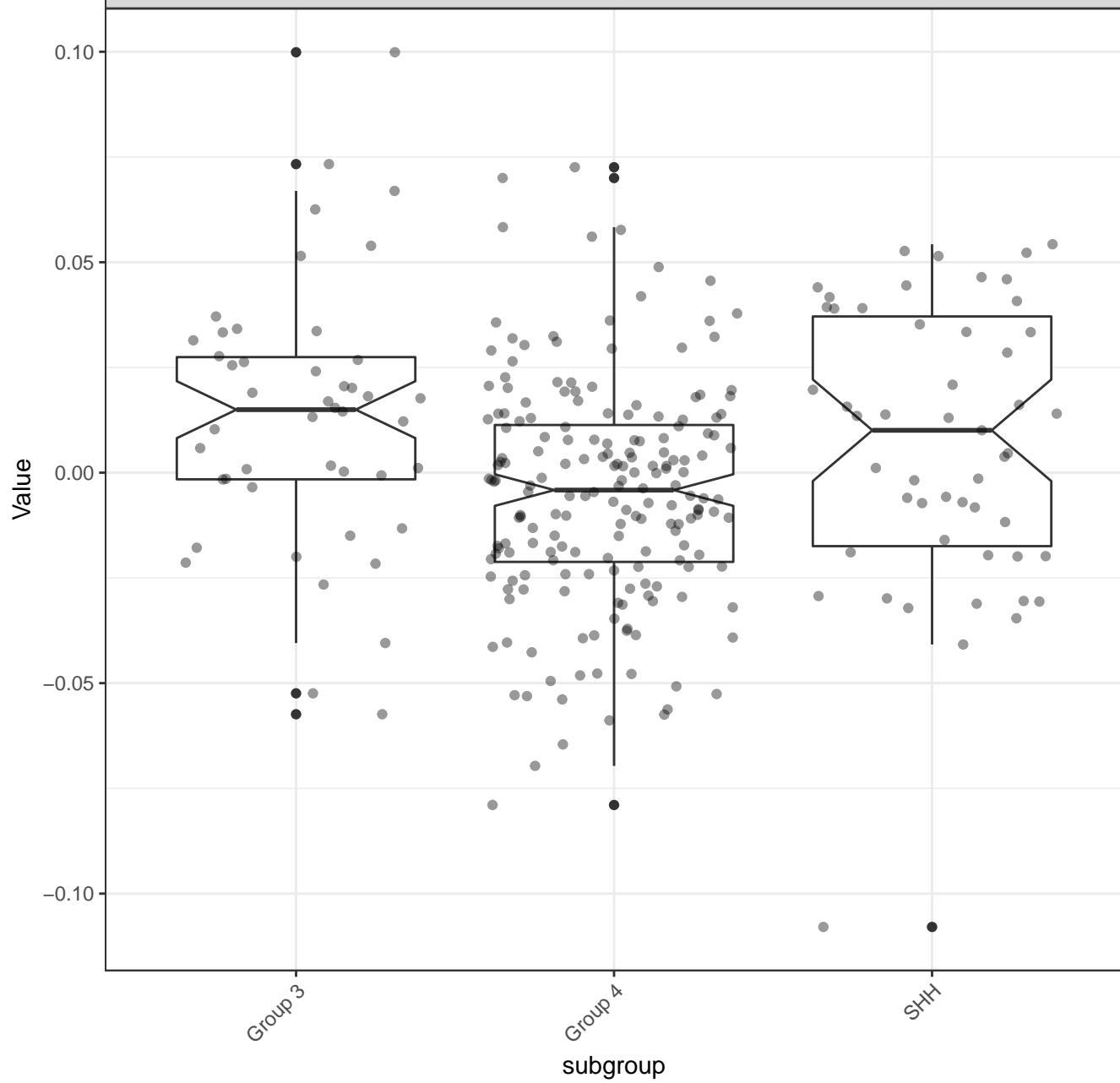
subgroup

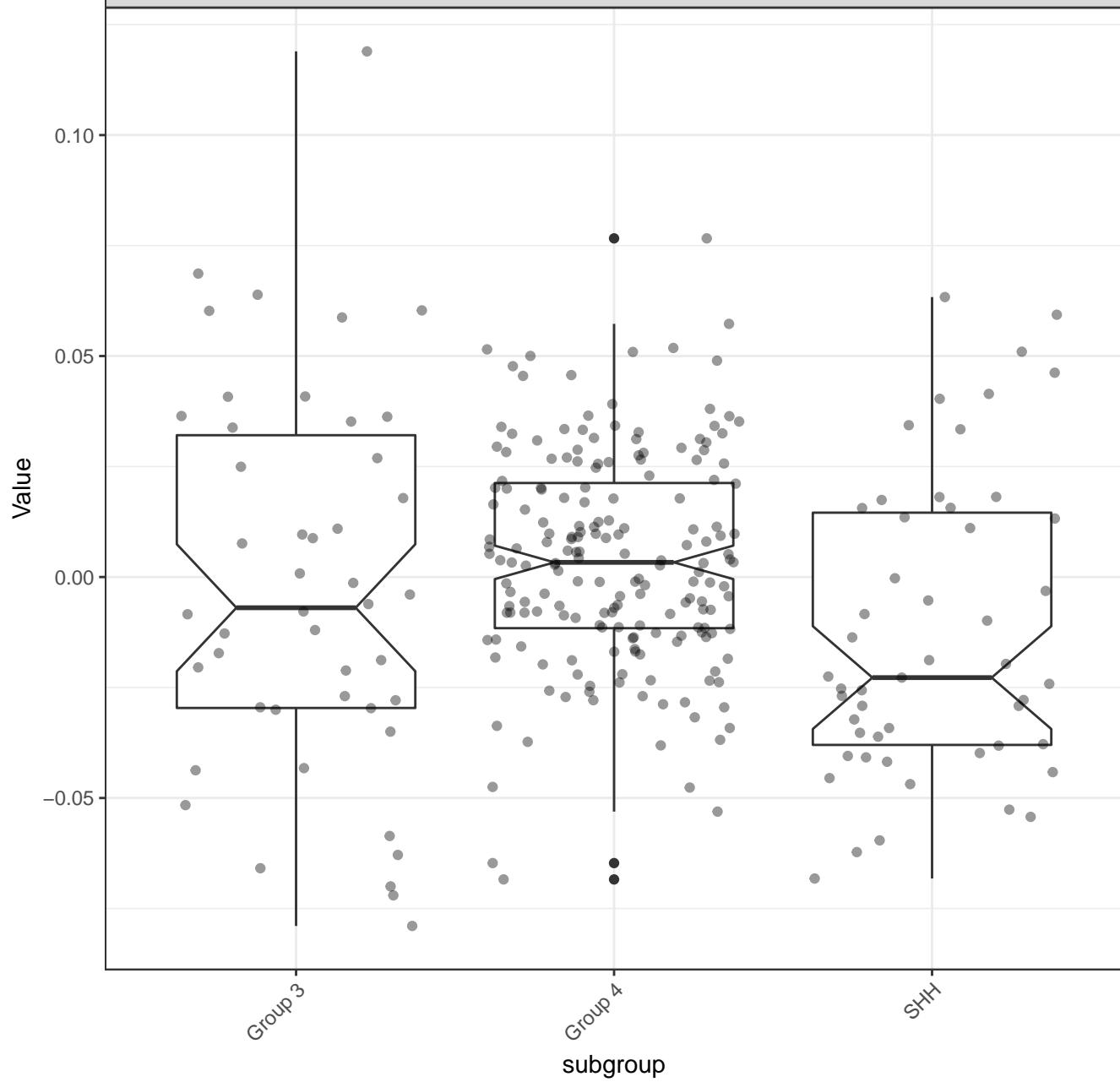


LV 490

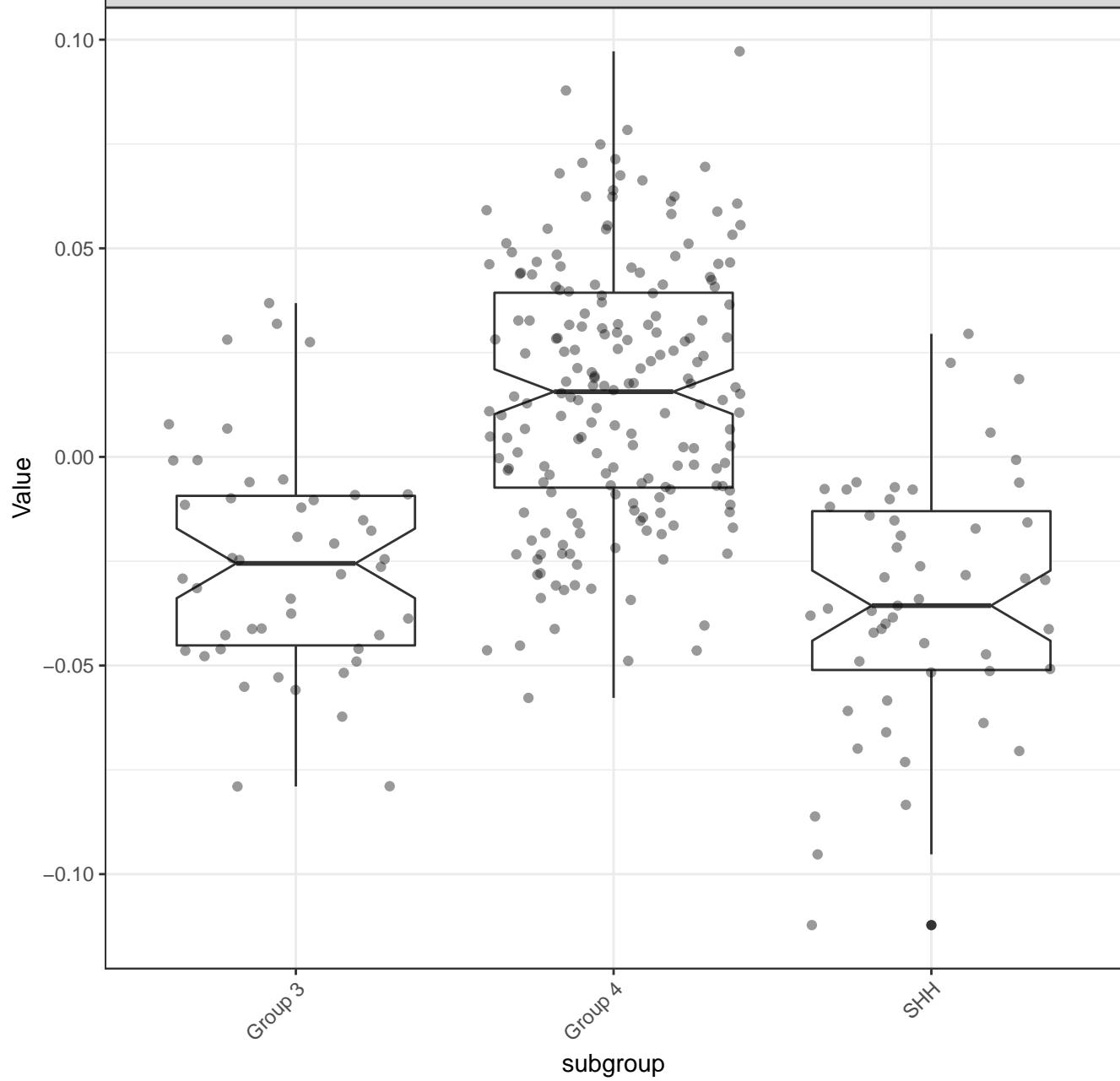


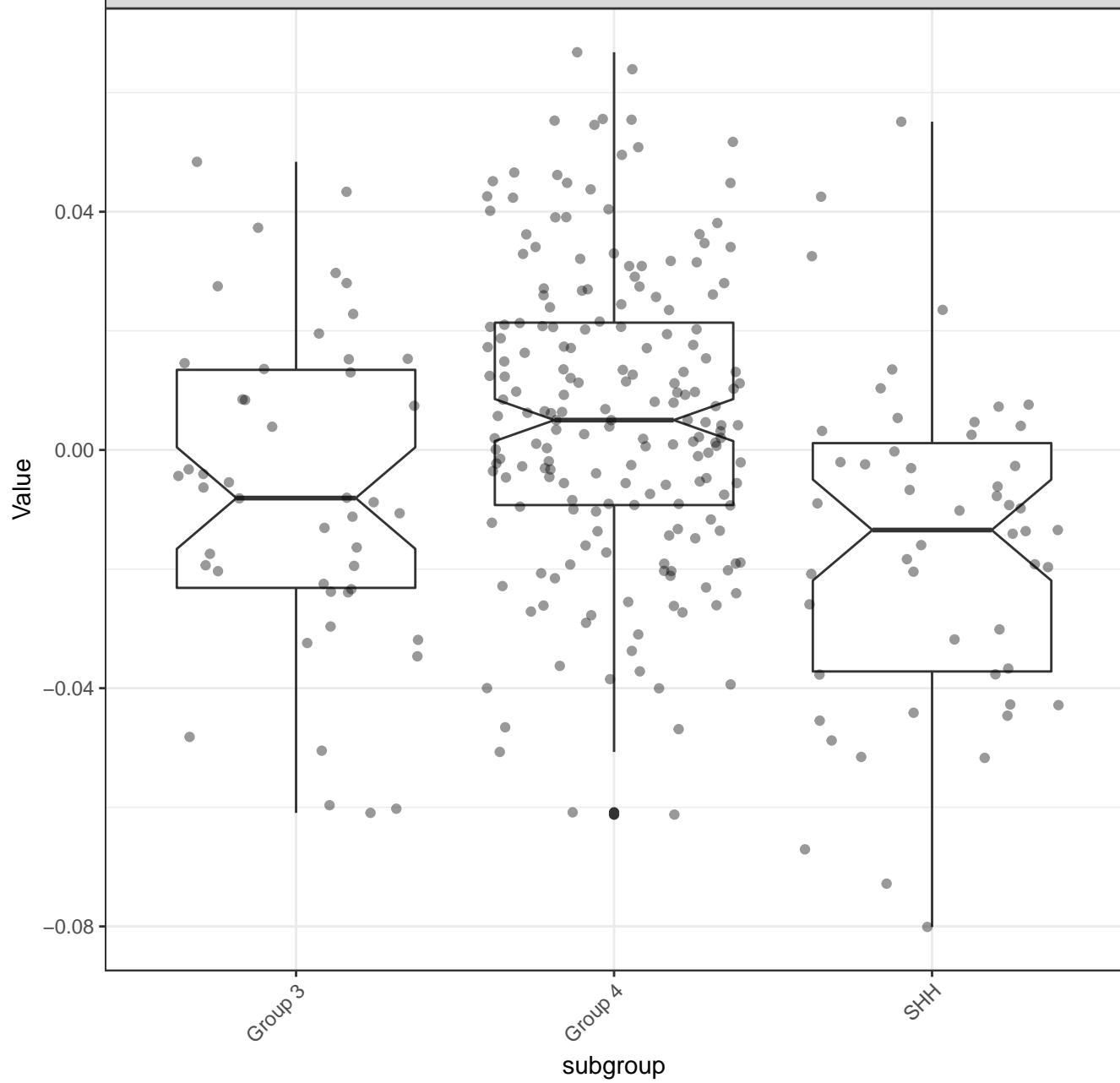
LV 491





LV 493





LV 495

Value

0.10

0.05

0.00

-0.05

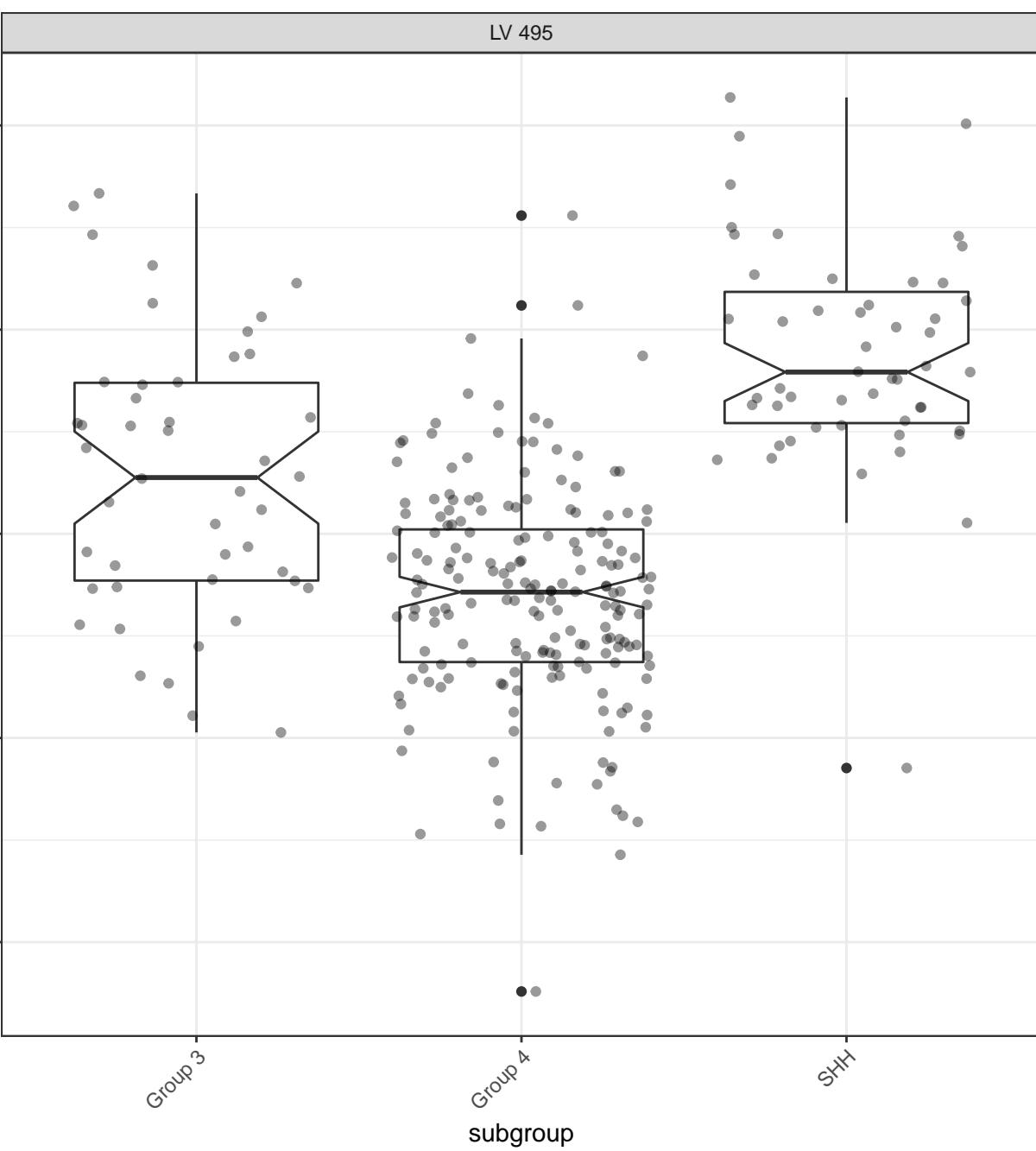
-0.10

Group 3

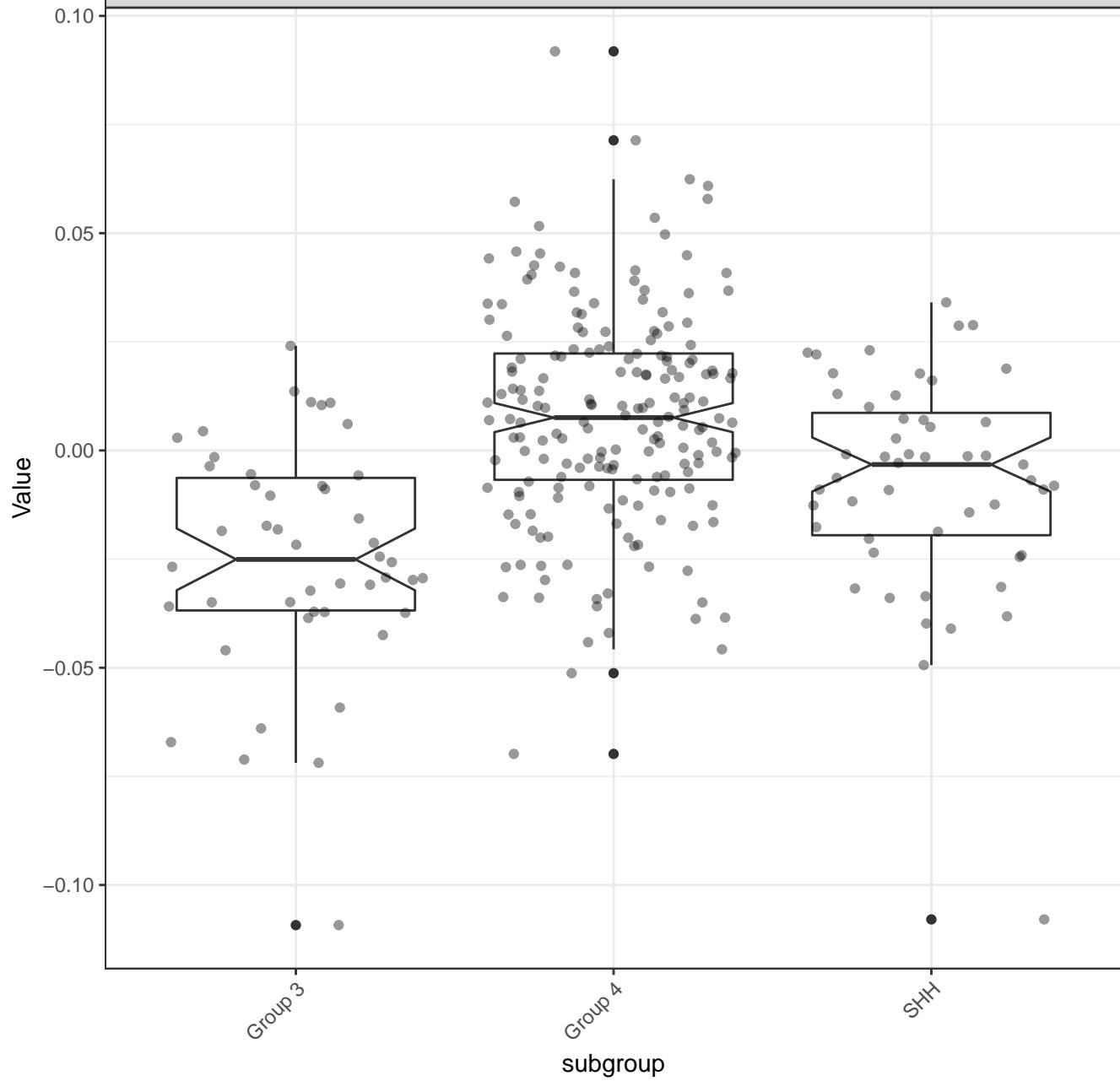
subgroup

Group 4

SHH



LV 496



LV 497

Value

0.10

0.05

0.00

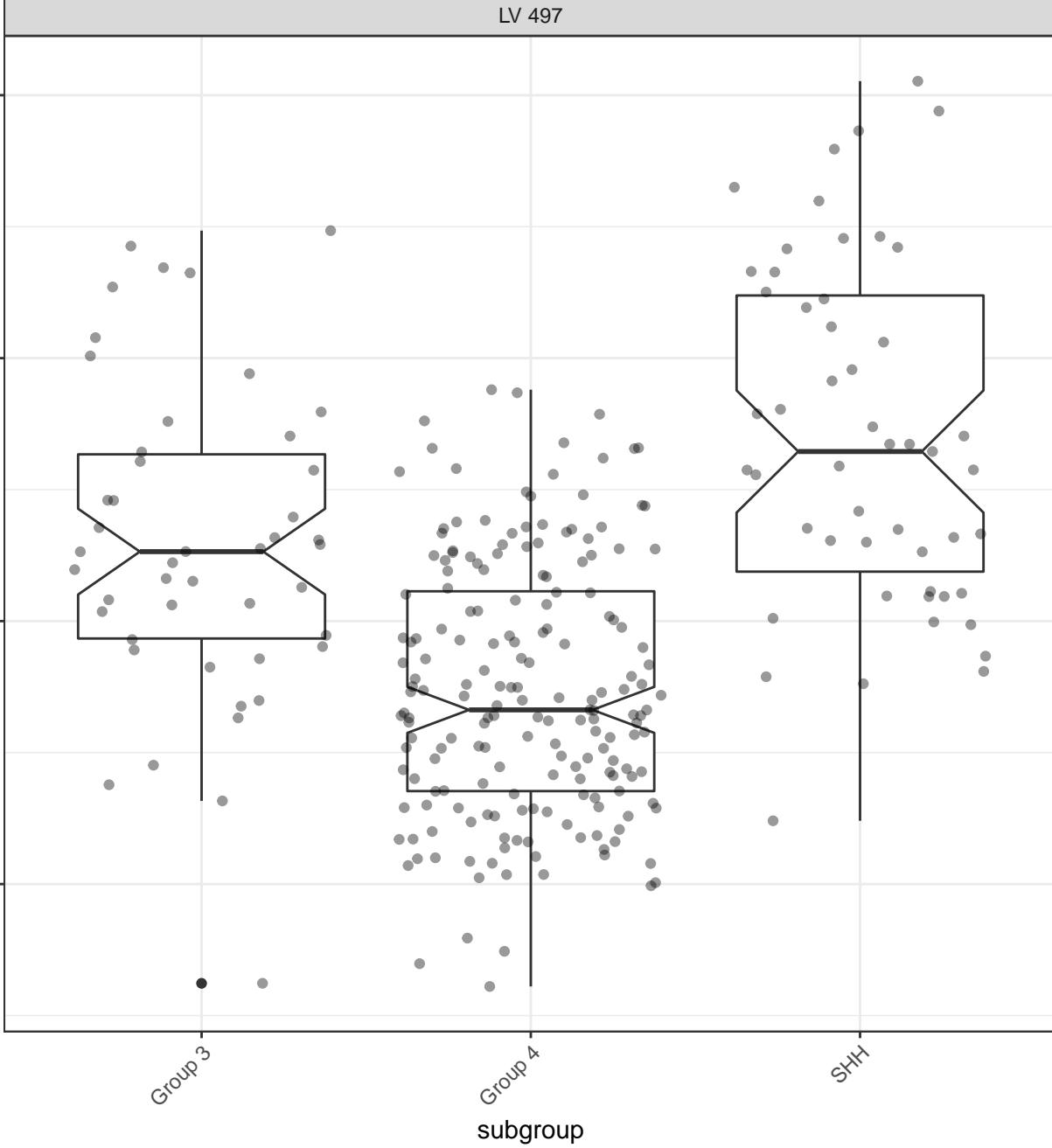
-0.05

Group 3

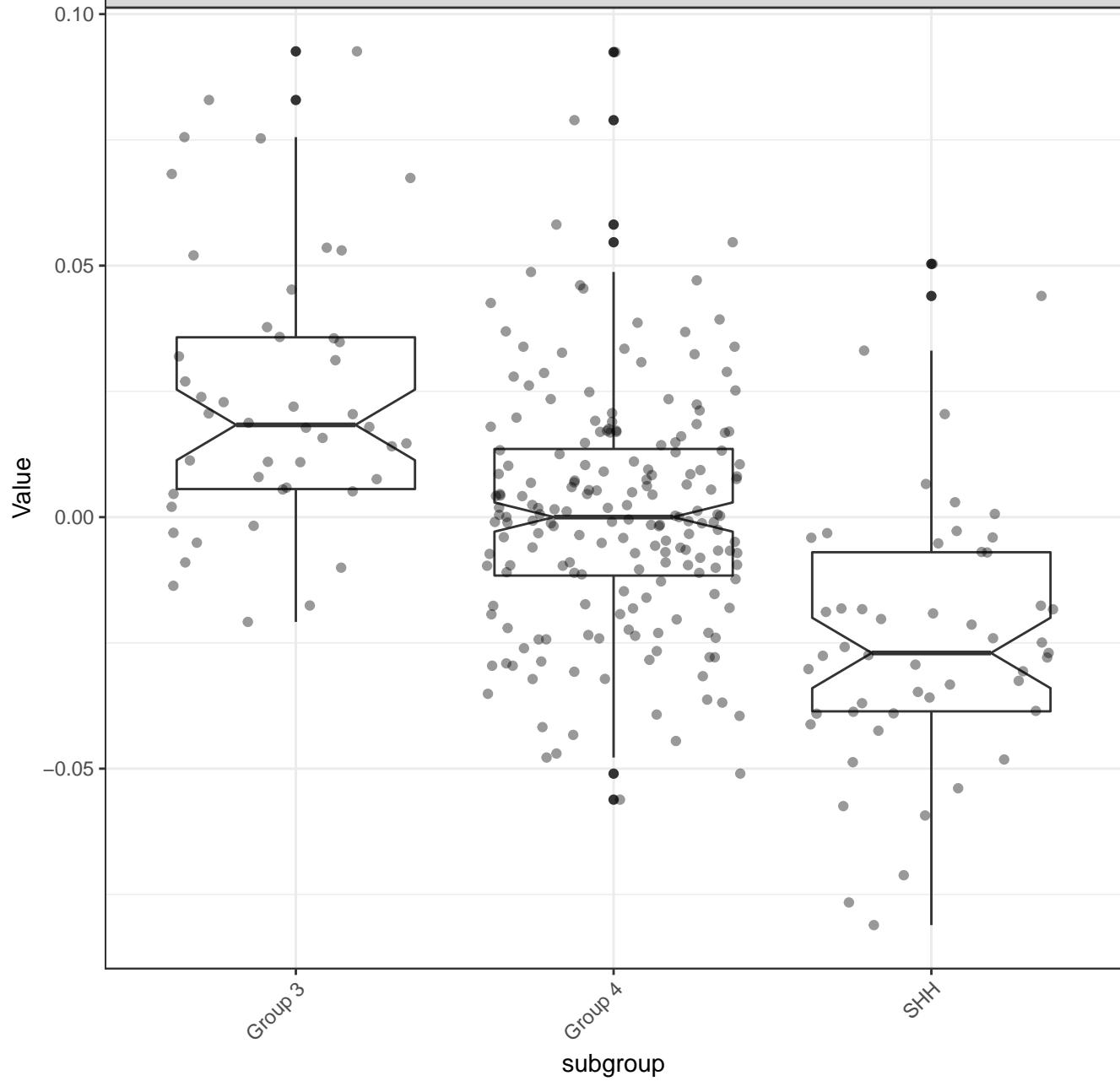
Group 4

SHH

subgroup



LV 498



LV 499

Value

0.10

0.05

0.00

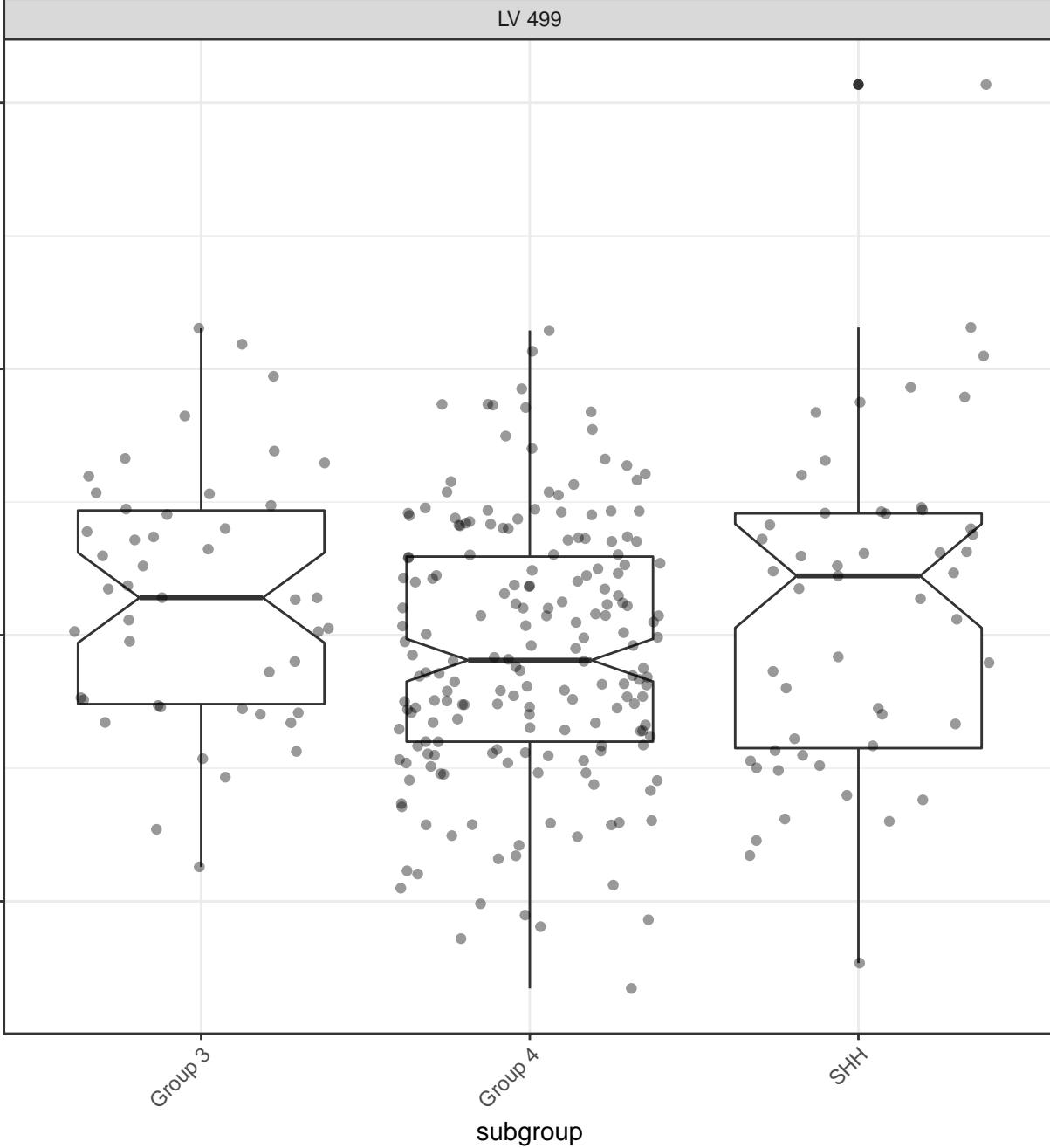
-0.05

Group 3

Group 4

SHH

subgroup



LV 500

Value

0.10

0.05

0.00

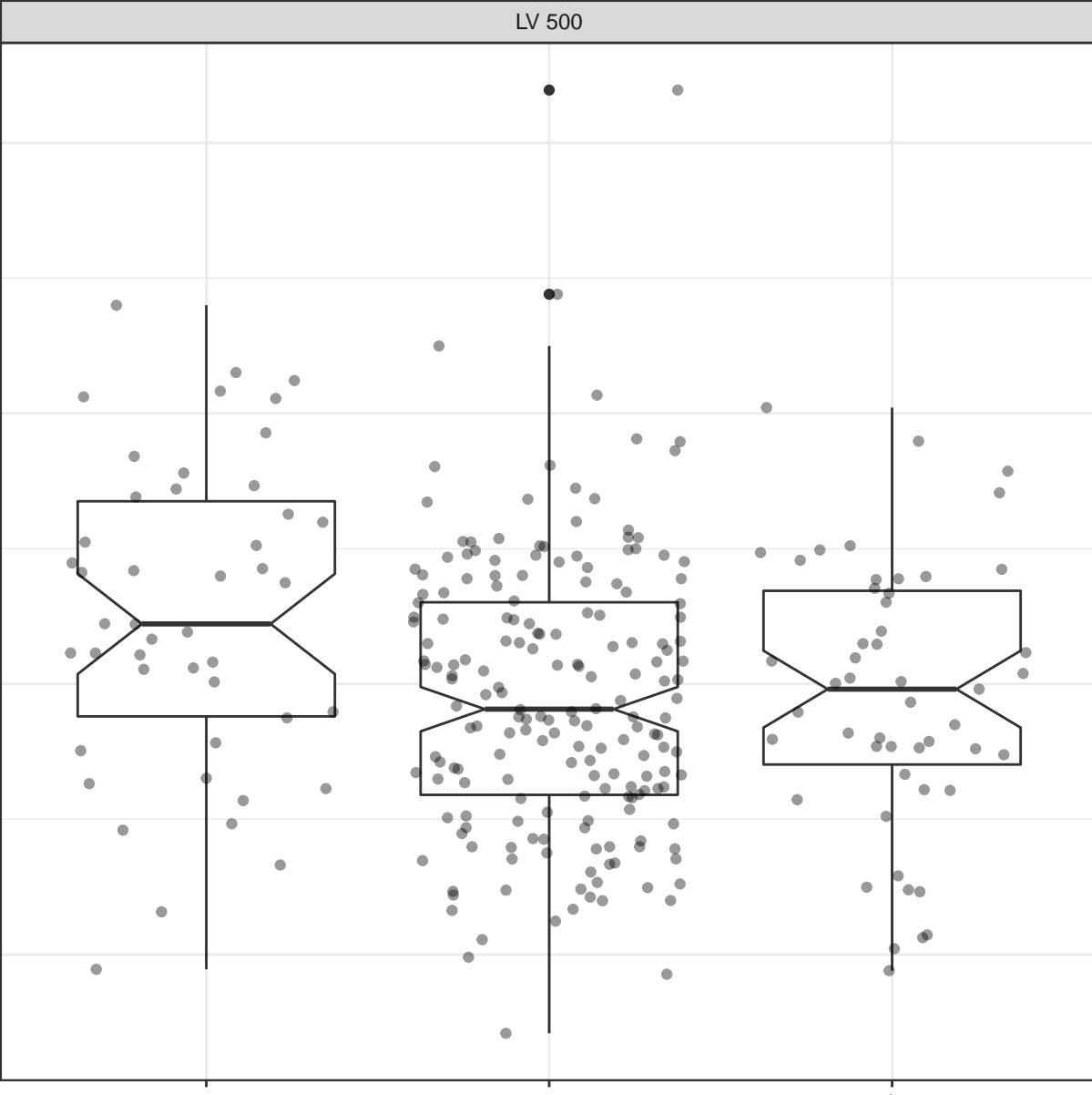
-0.05

Group 3

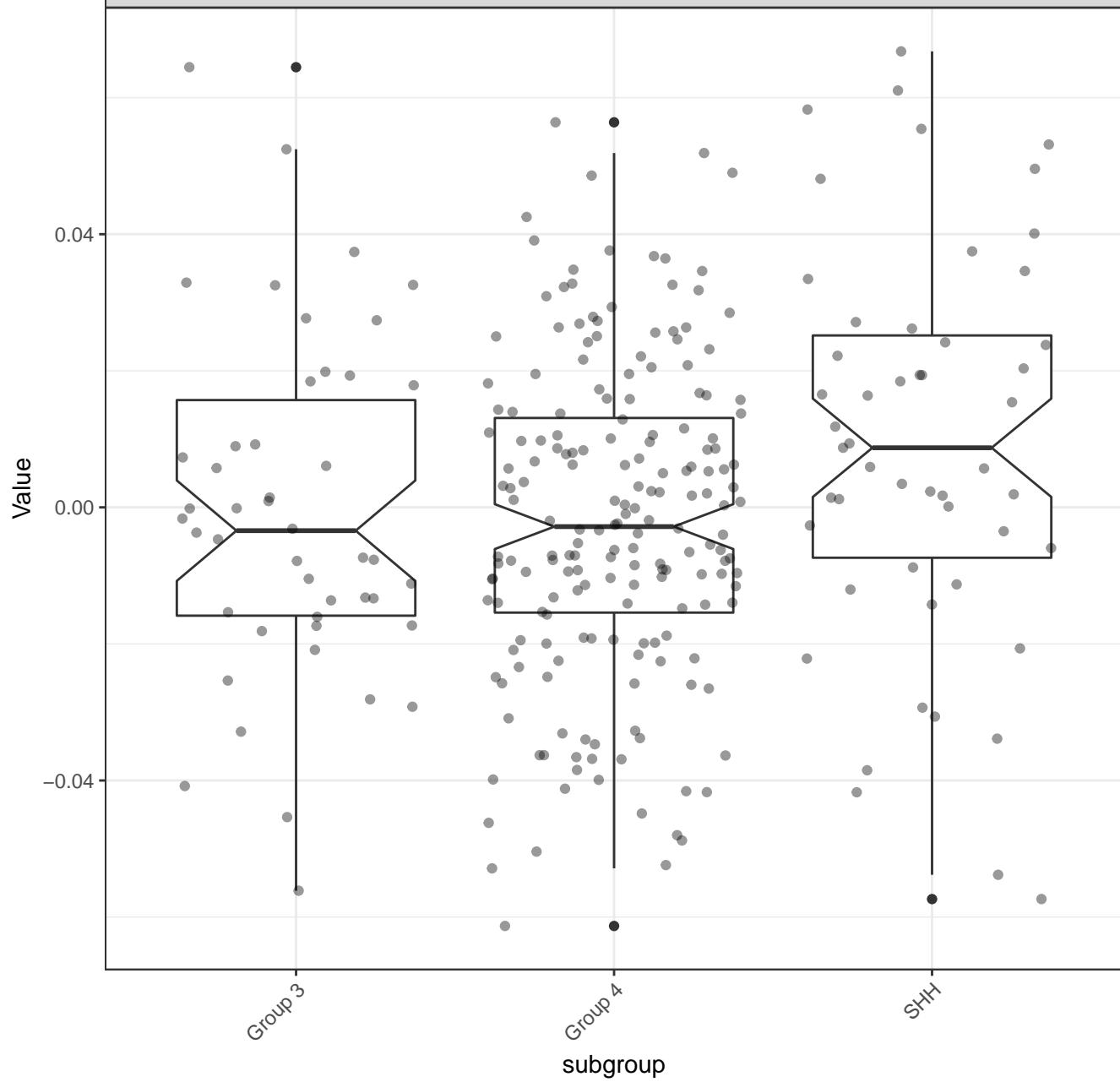
subgroup

Group 4

SHH



501,SVM NK cells activated



LV 502

Value

0.05

0.00

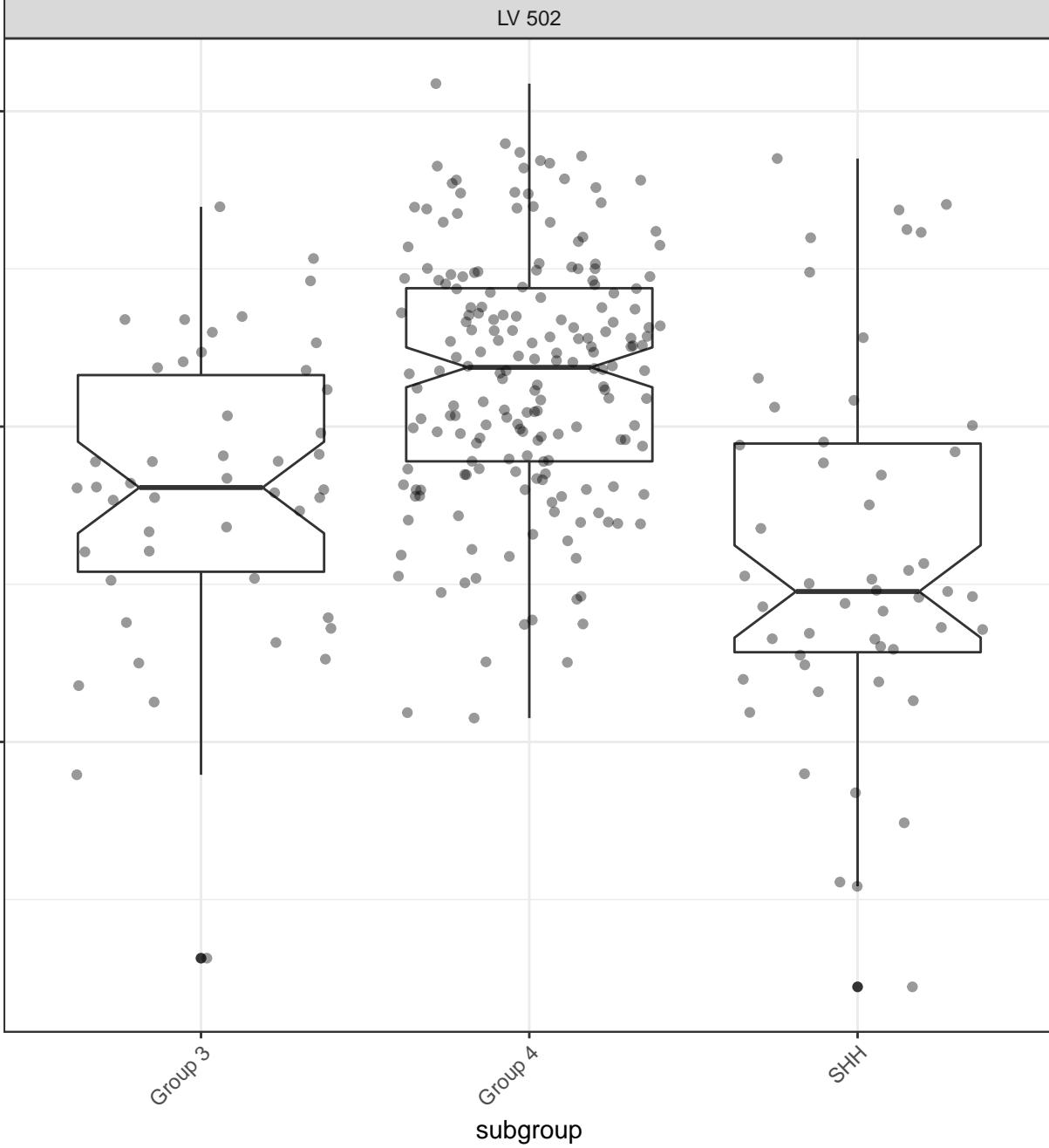
-0.05

Group 3

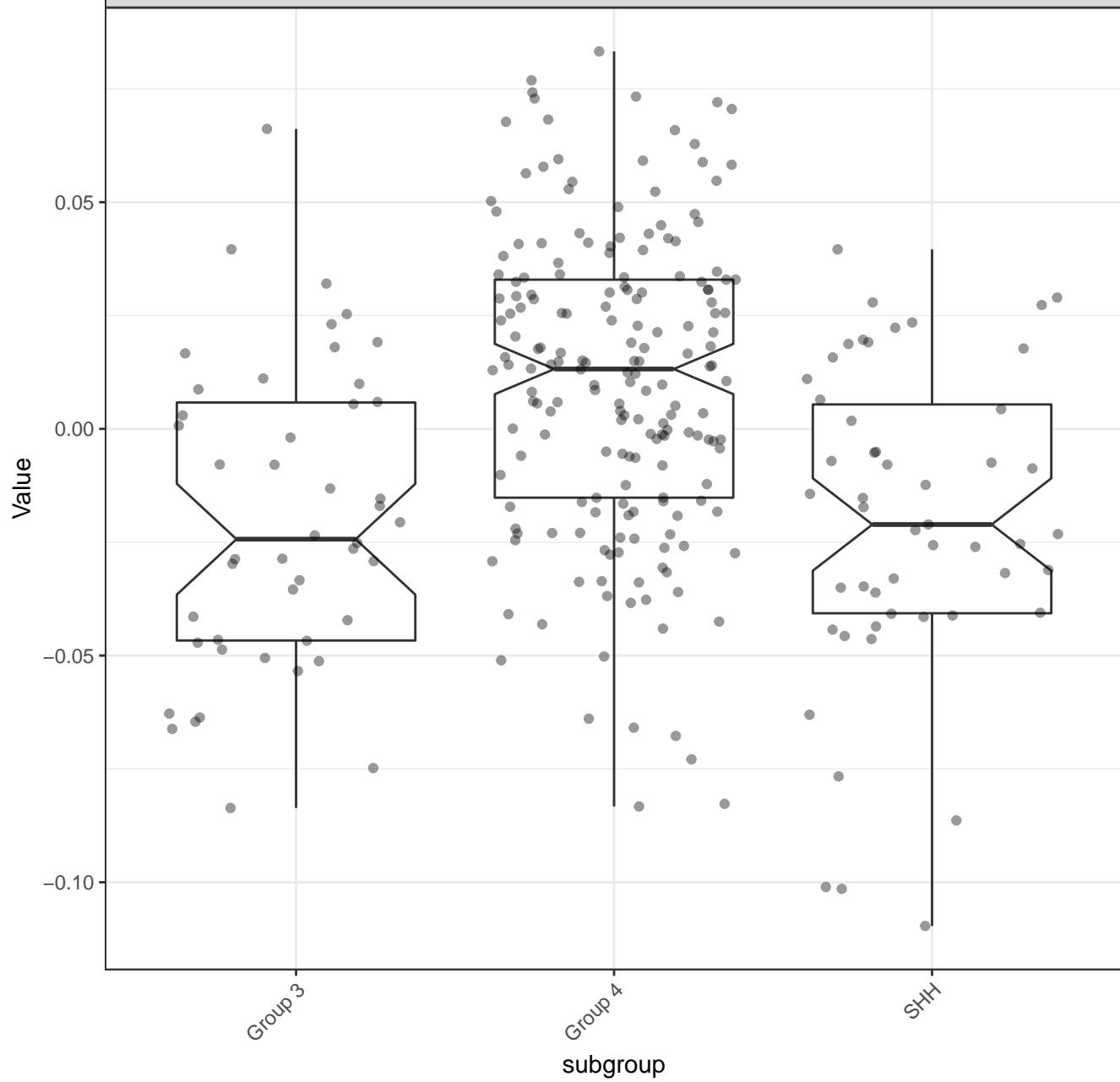
Group 4

SHH

subgroup



LV 503



LV 504

Value

0.05

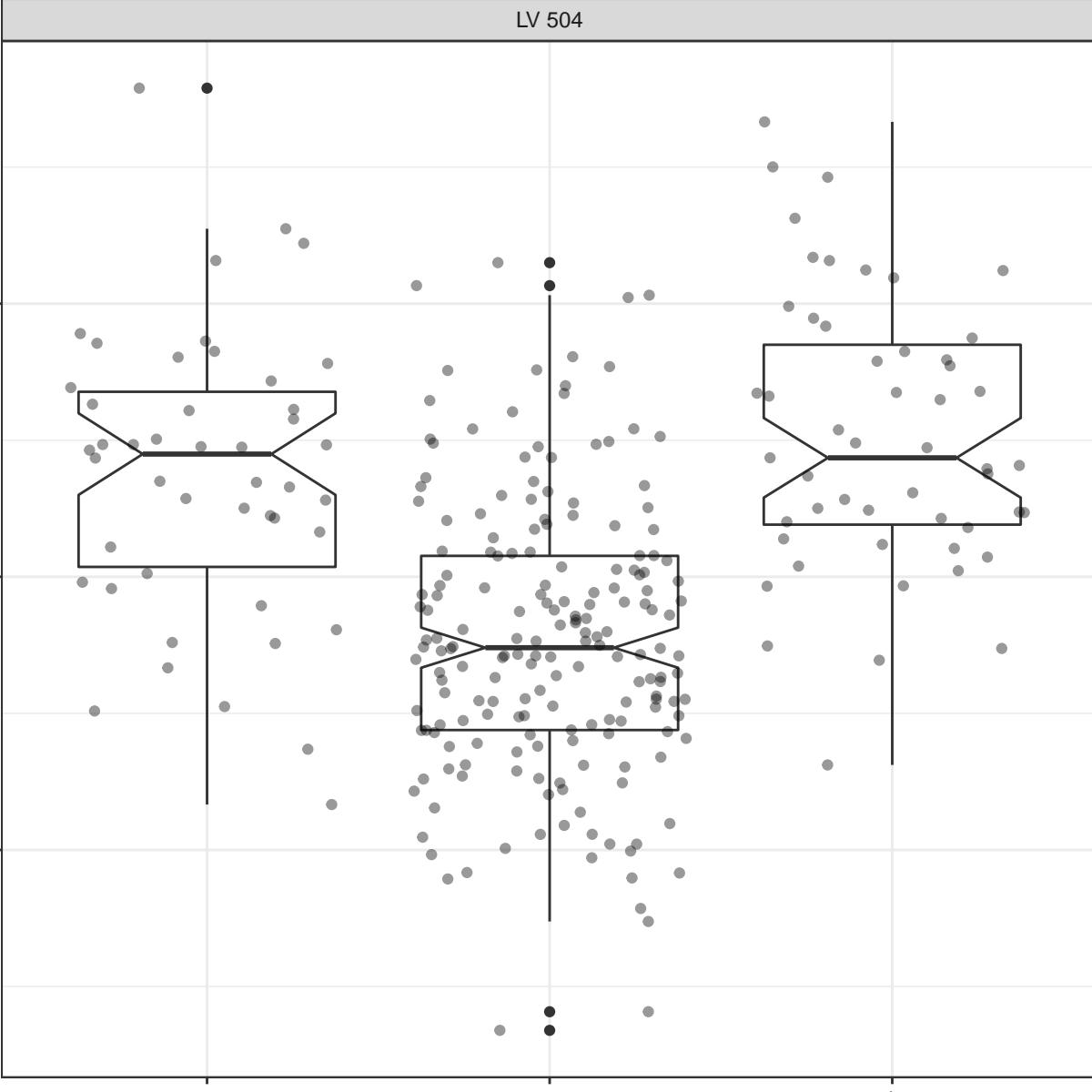
0.00

-0.05

Group 3

subgroup

SHH



LV 505

Value

0.10

0.05

0.00

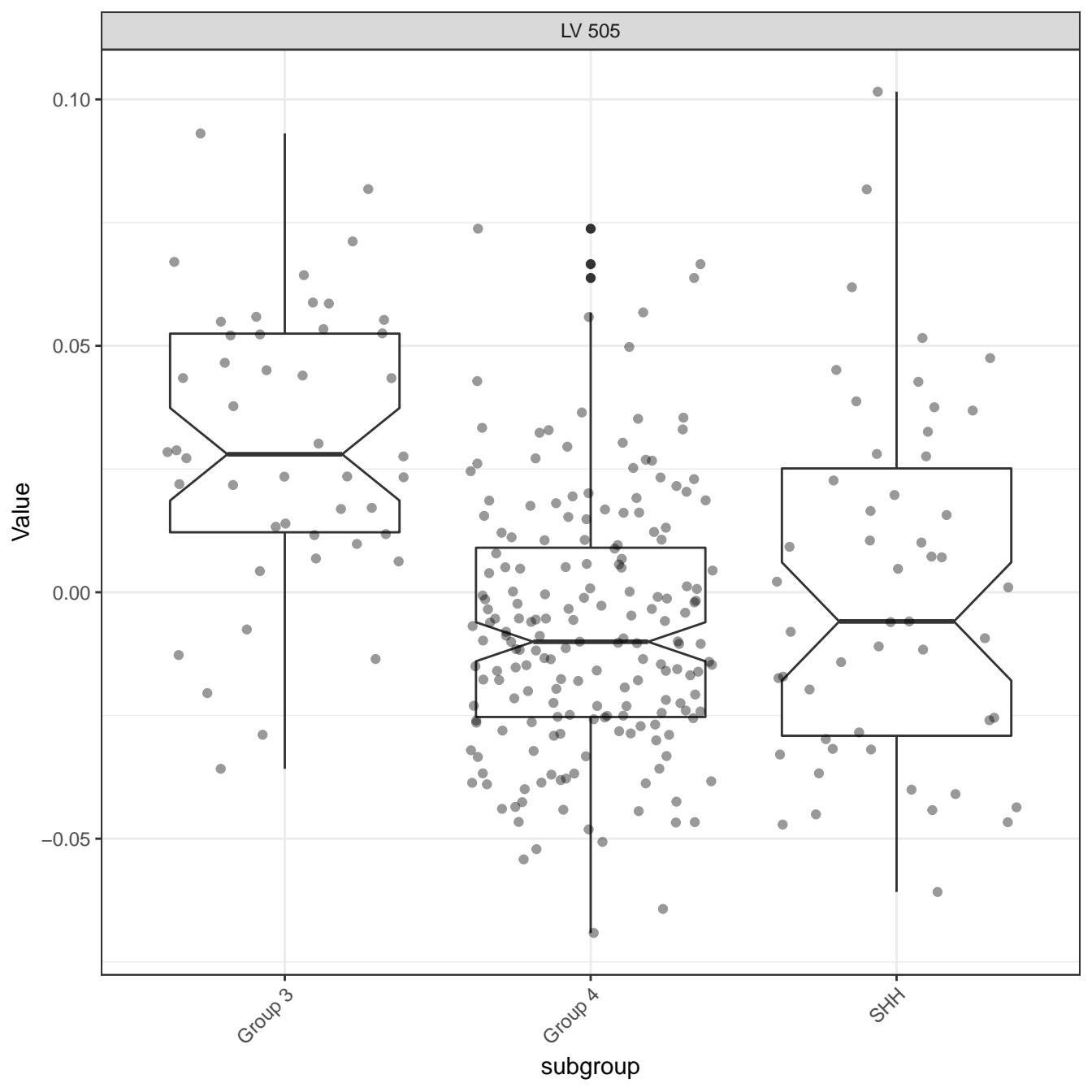
-0.05

Group 3

subgroup

SHH

Group 4



LV 506

Value

0.10

0.05

0.00

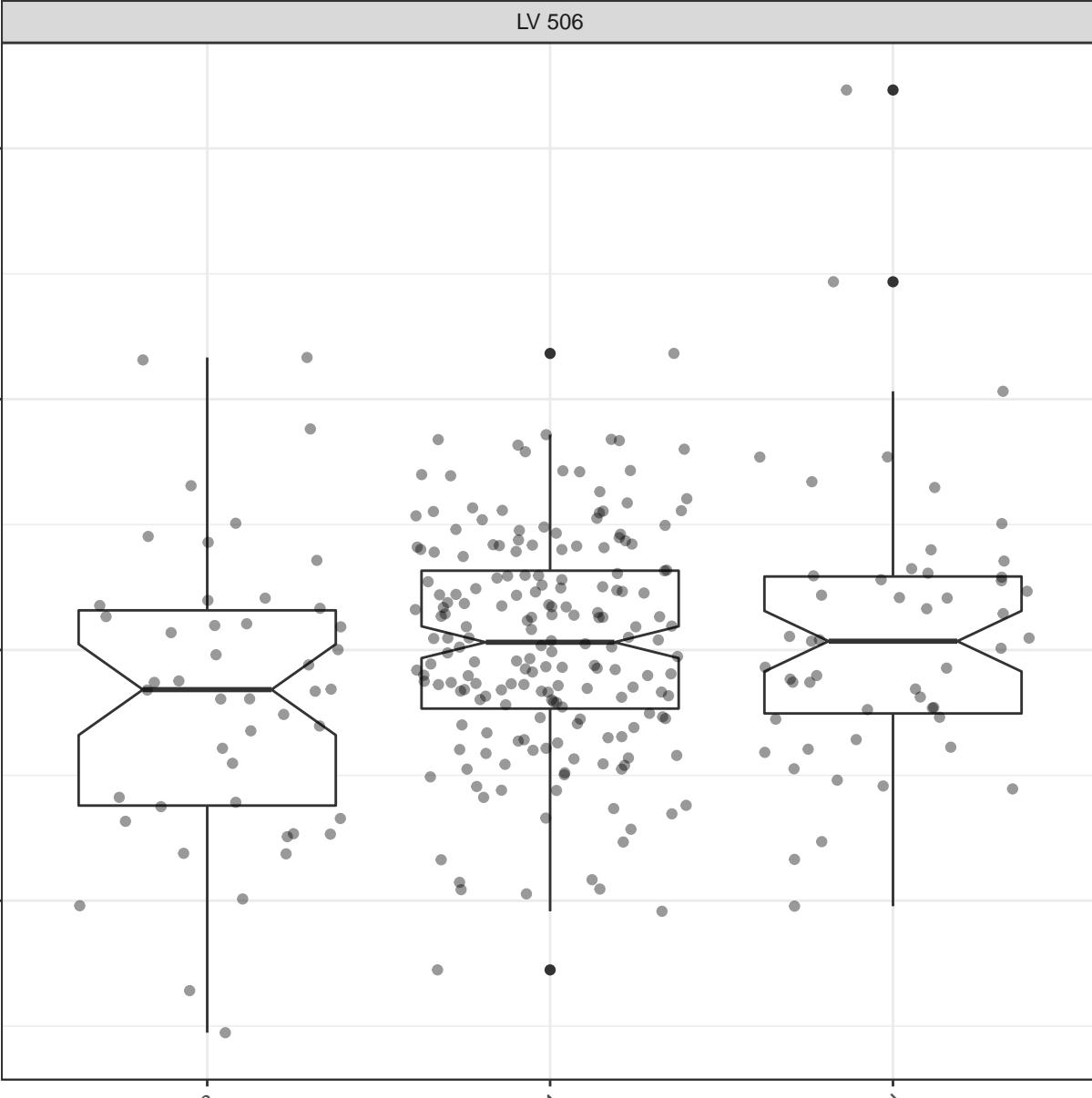
-0.05

Group 3

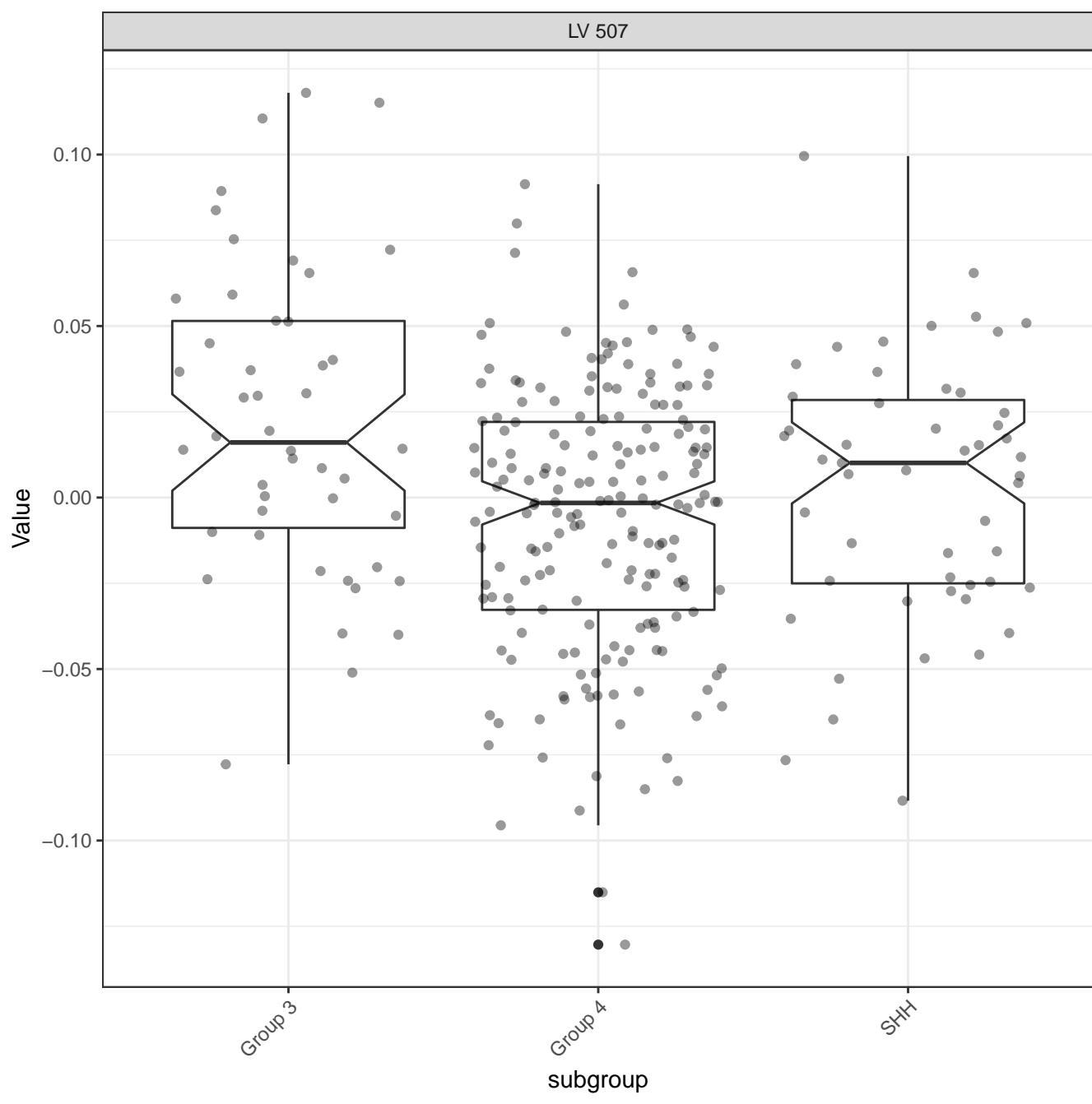
subgroup

Group 4

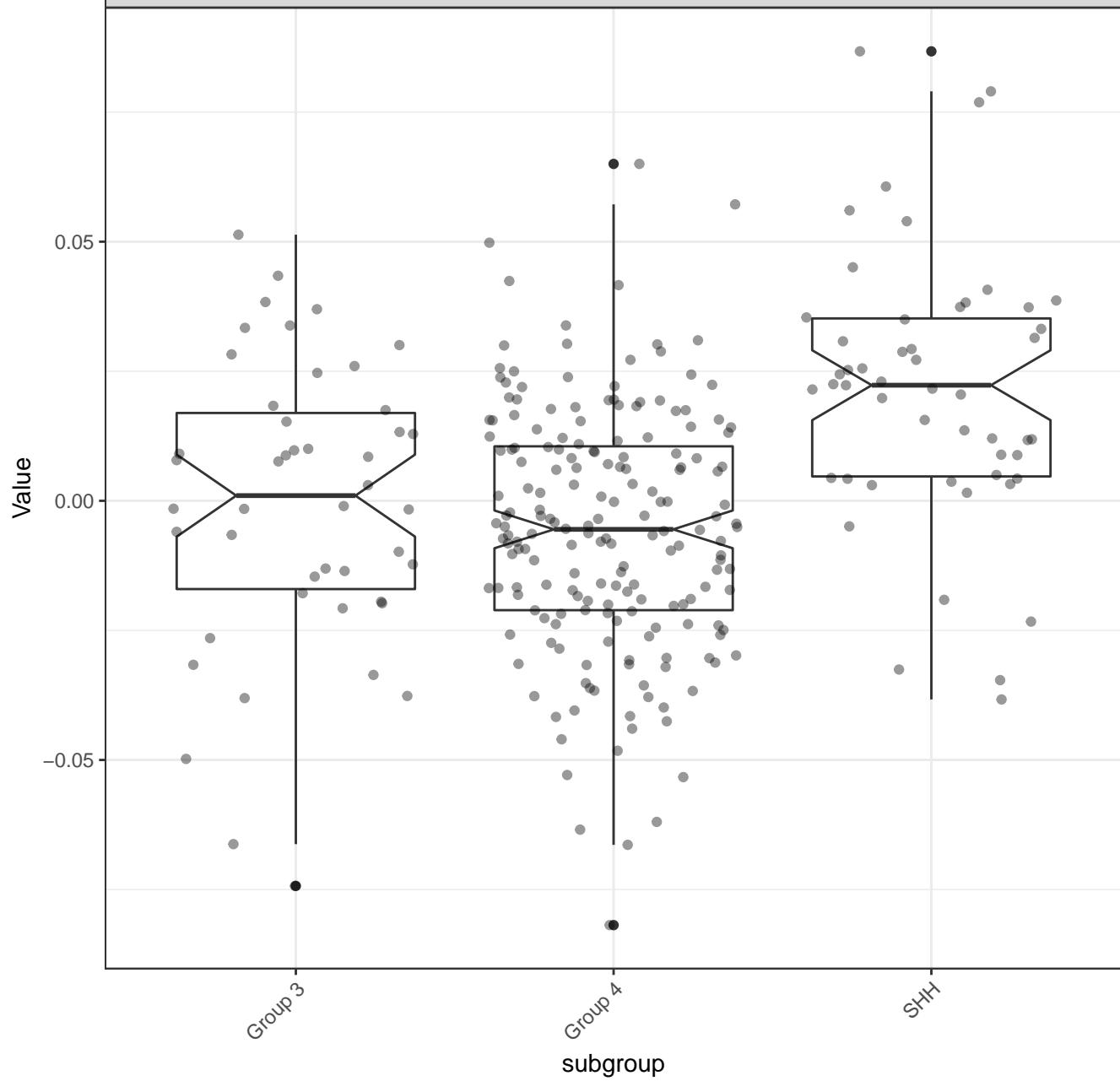
SHH



LV 507



LV 508



LV 509

Value

0.1

0.0

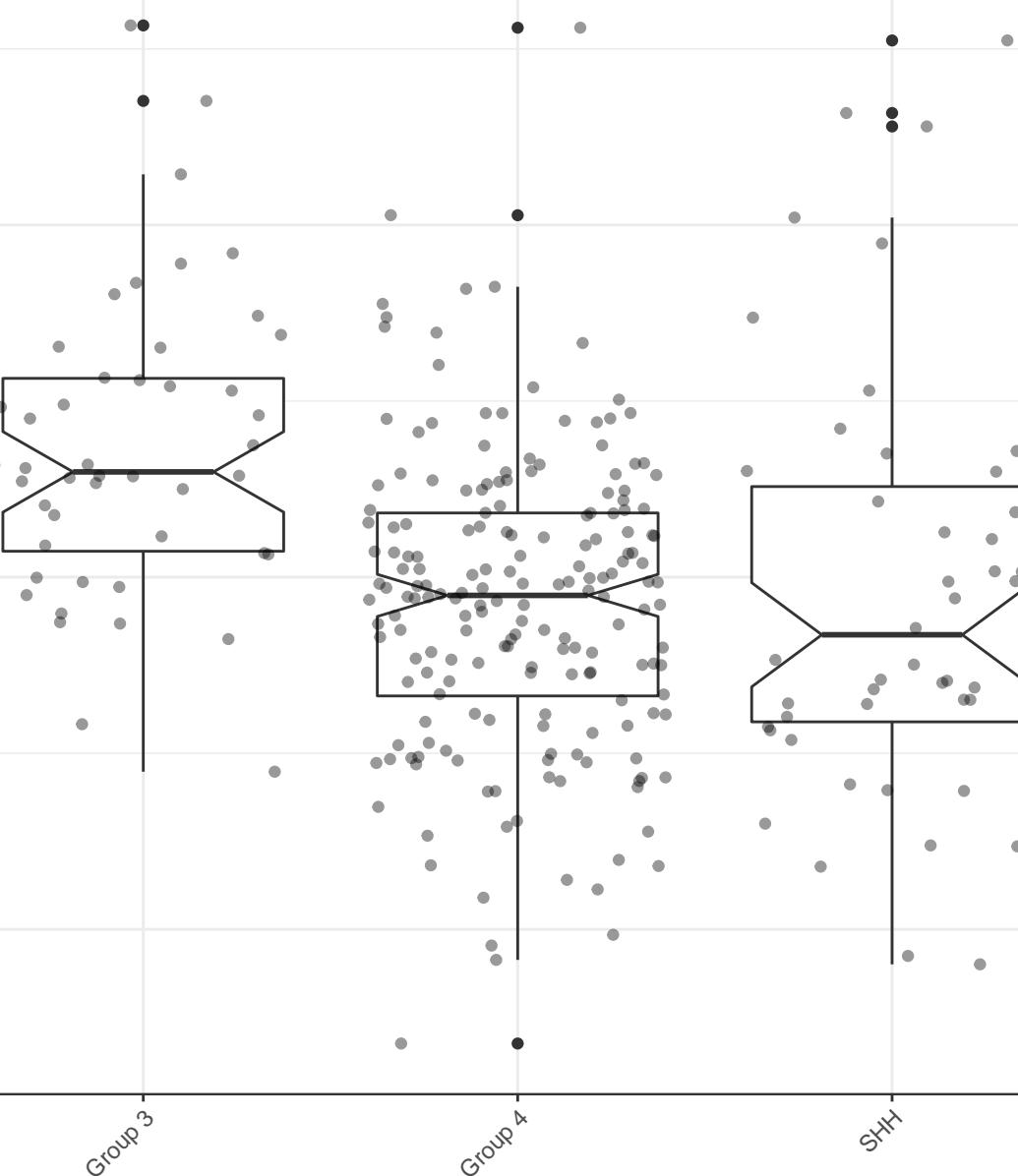
-0.1

Group 3

Group 4

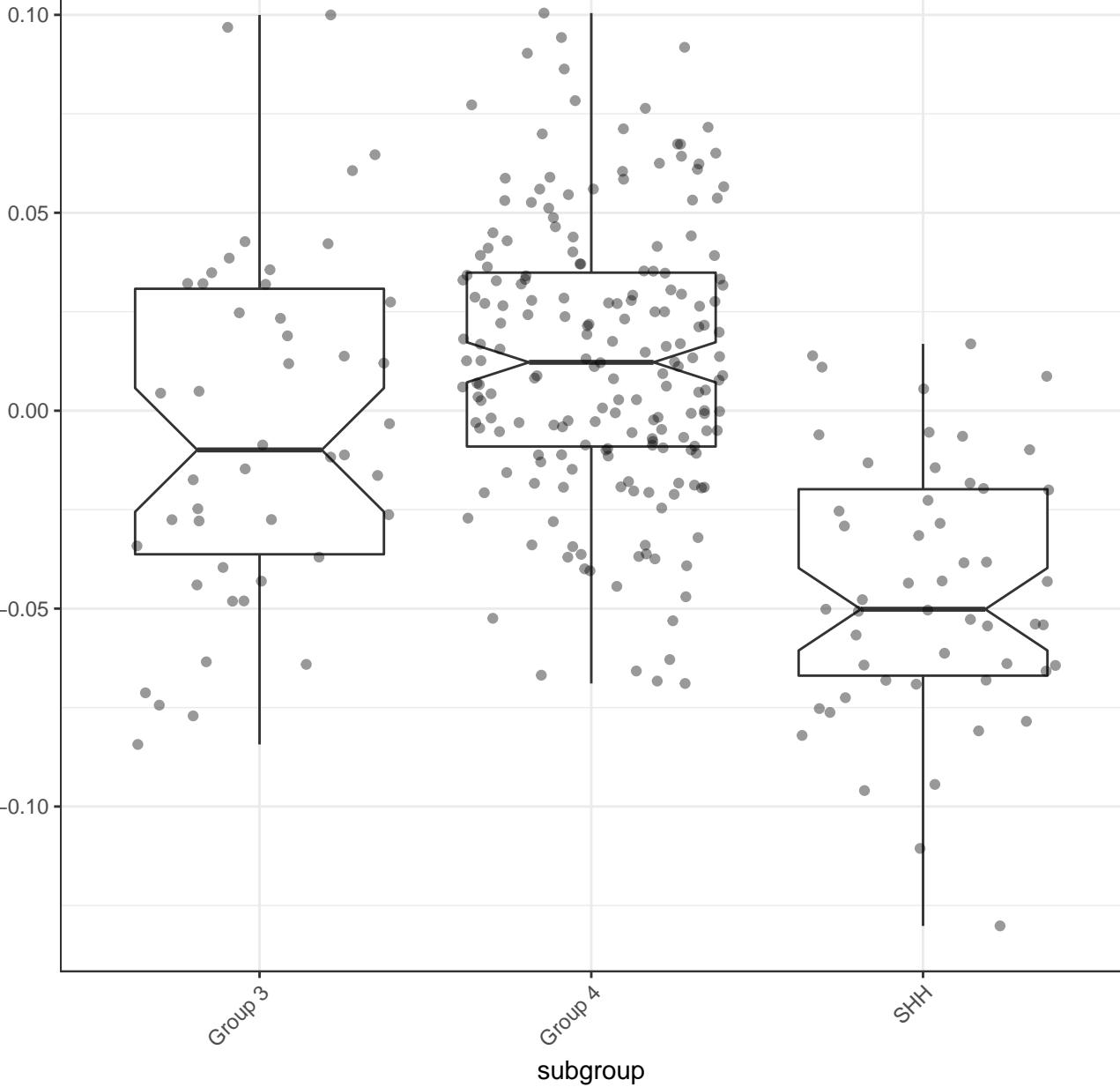
SHH

subgroup

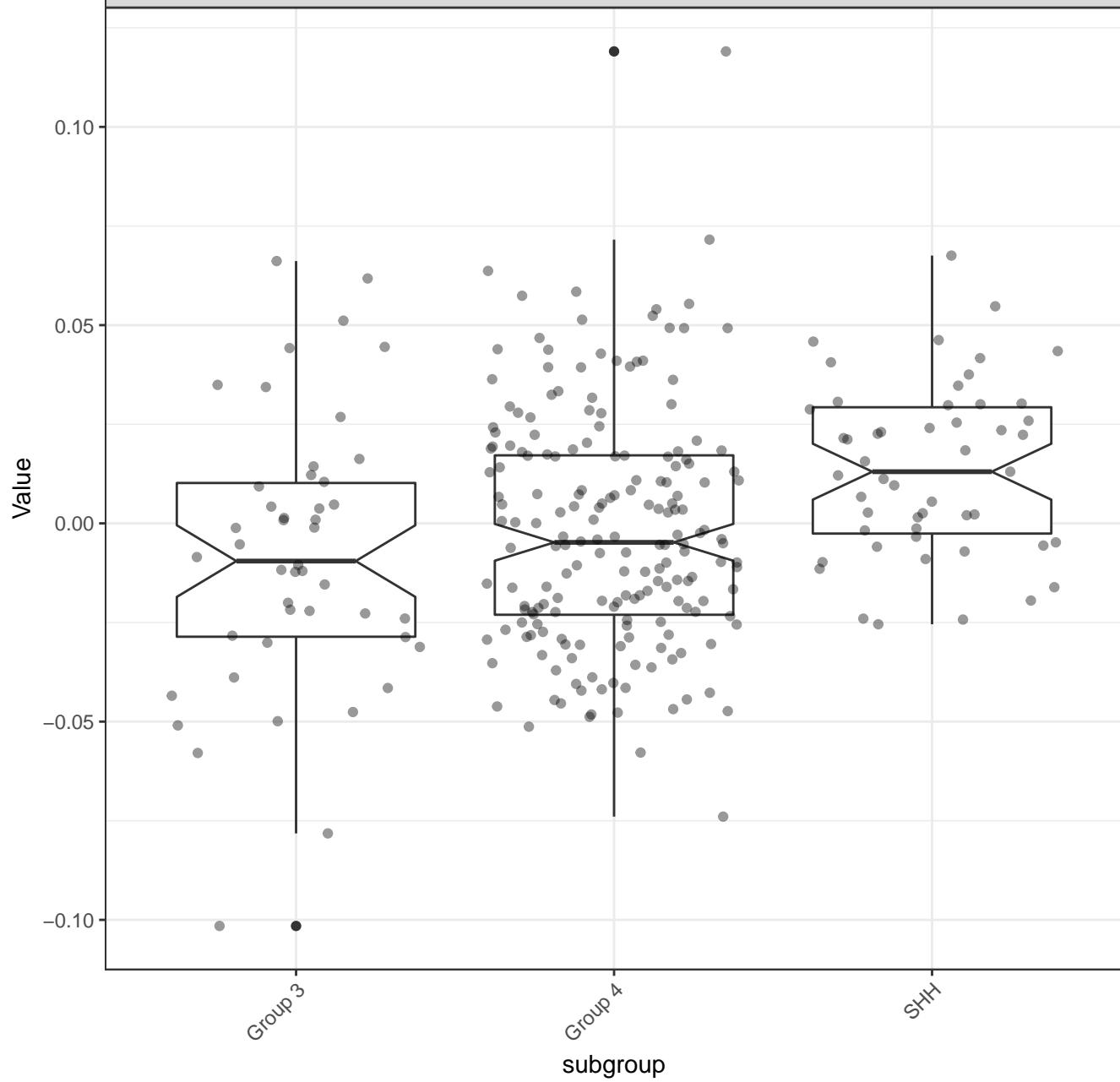


LV 510

Value



LV 511



Value

0.05

0.00

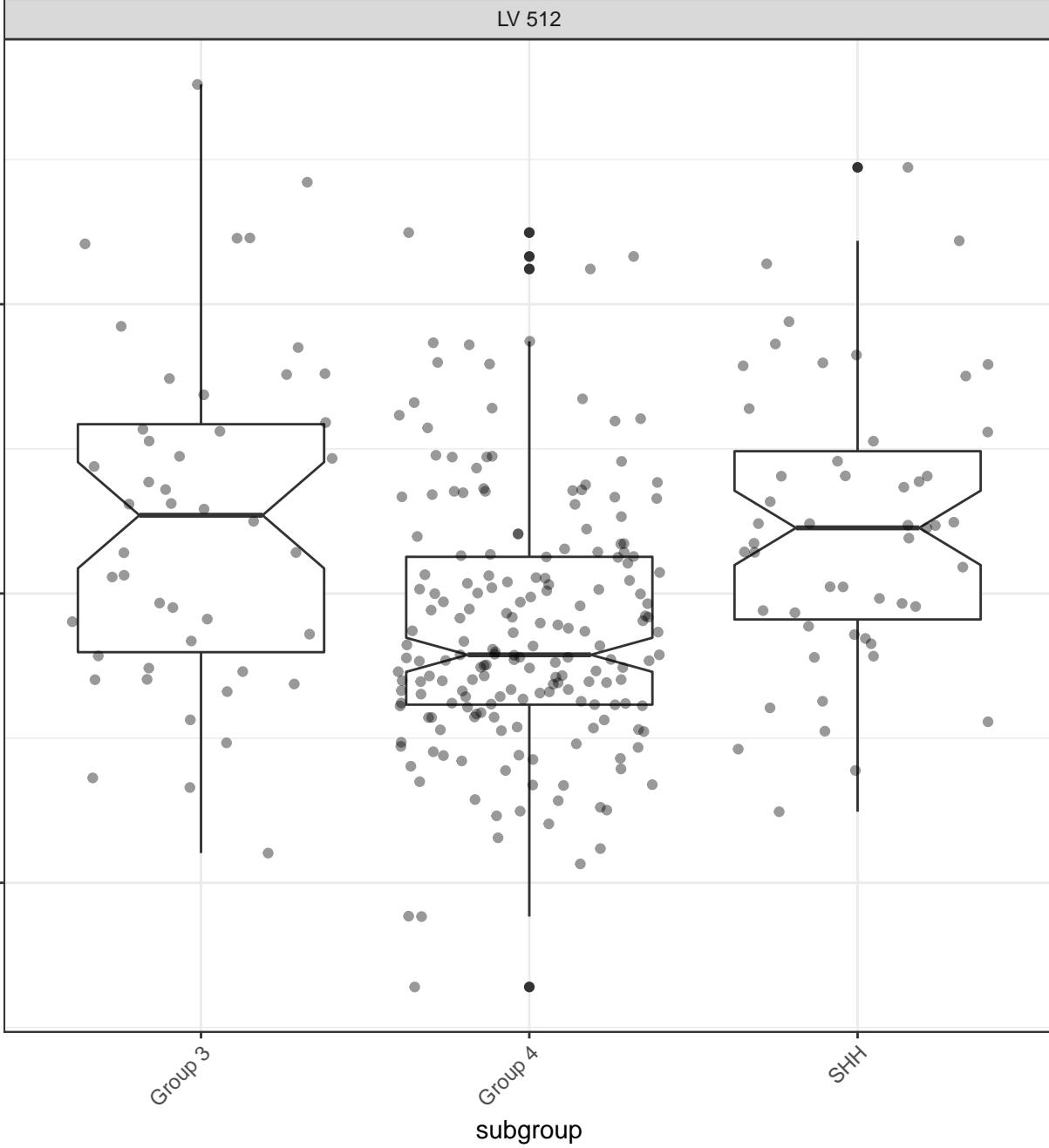
-0.05

Group 3

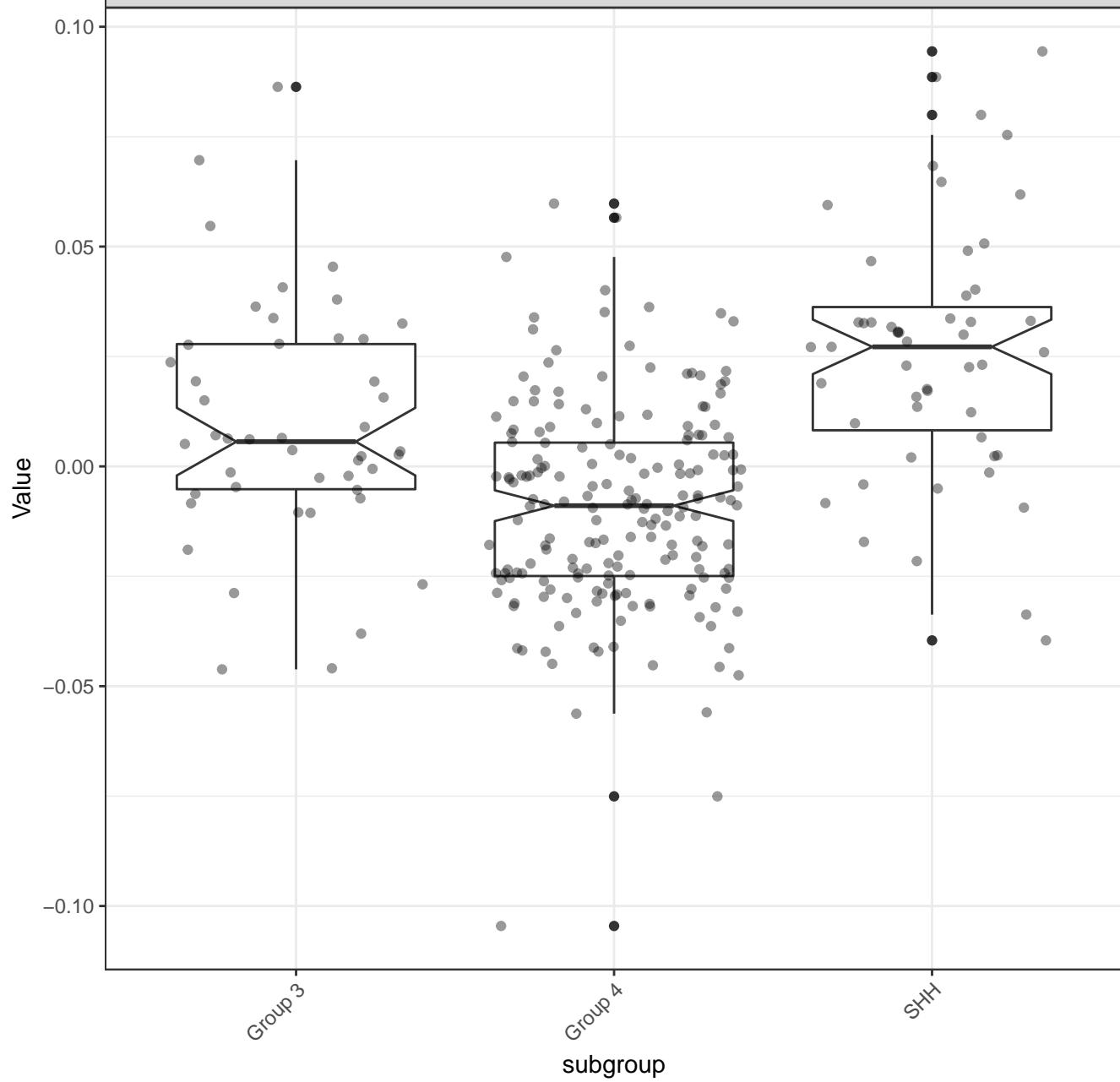
Group 4

SHH

subgroup



LV 513



LV 514

Value

0.05

0.00

-0.05

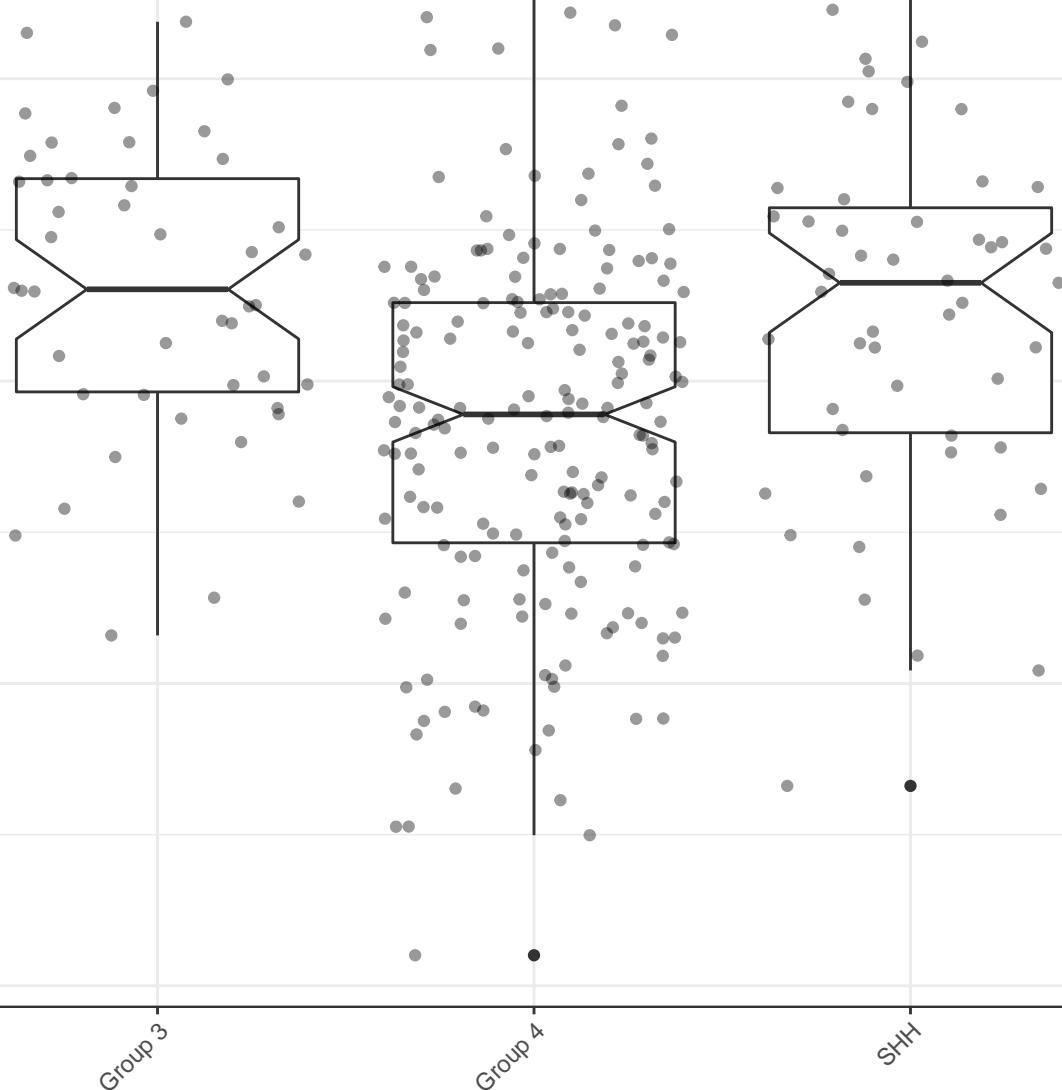
-0.10

Group 3

subgroup

Group 4

SHH



LV 515

Value

0.10

0.05

0.00

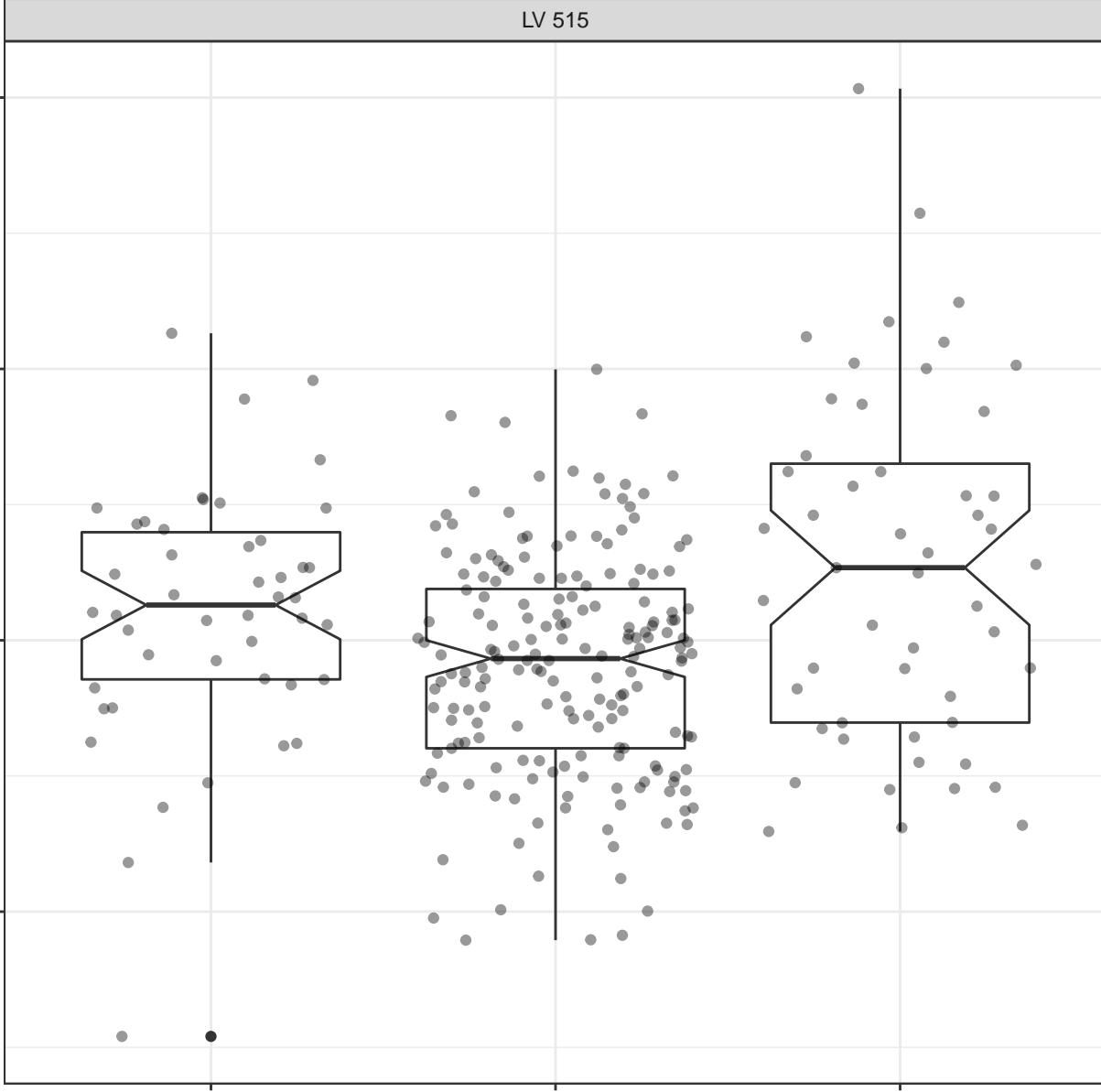
-0.05

Group 3

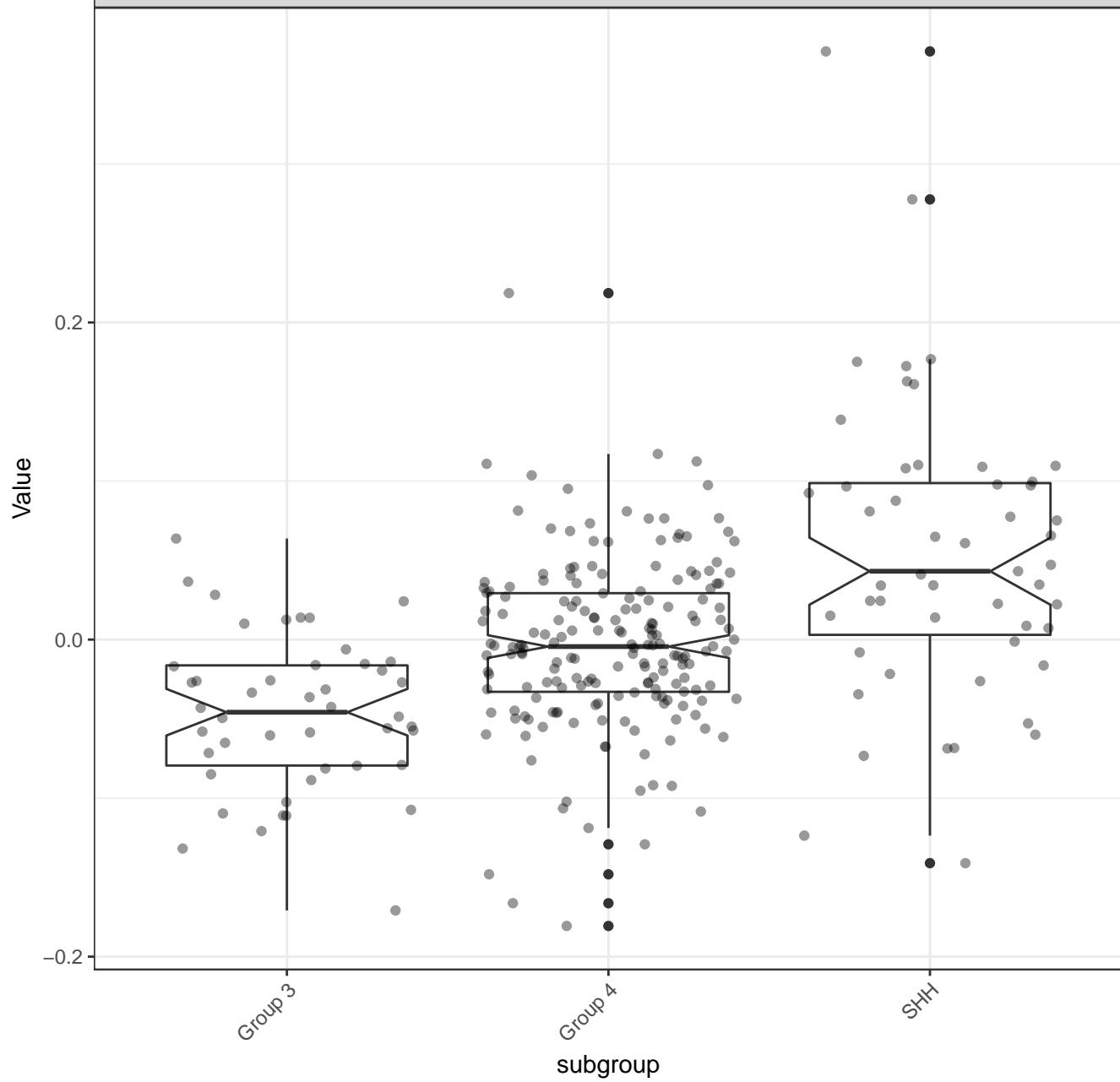
Group 4

SHH

subgroup



516,PID_TCR_PATHWAY



517,REACTOME_SIGNALING_BY_EGFR_IN_CANCER

Value

0.10

0.05

0.00

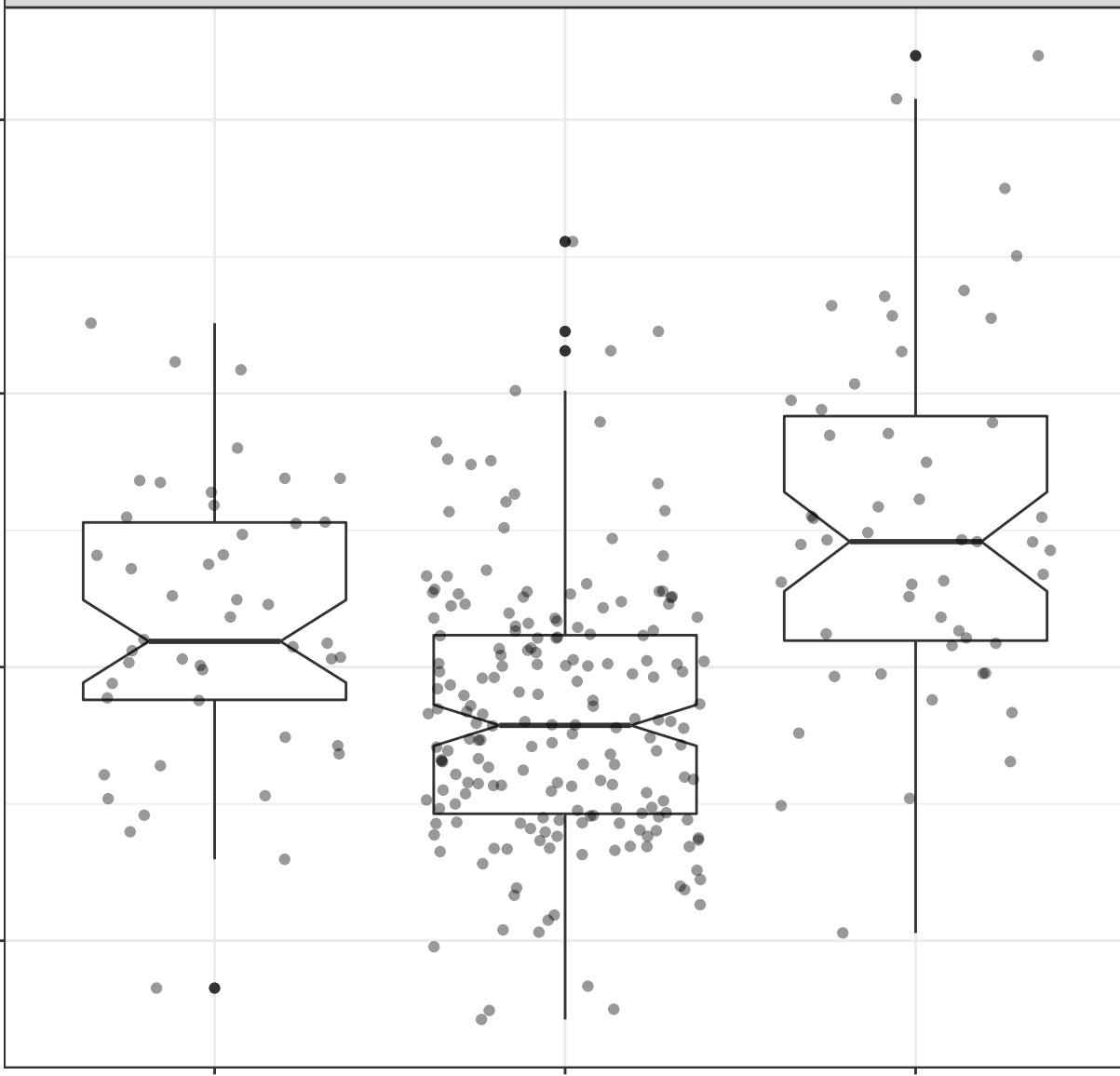
-0.05

Group 3

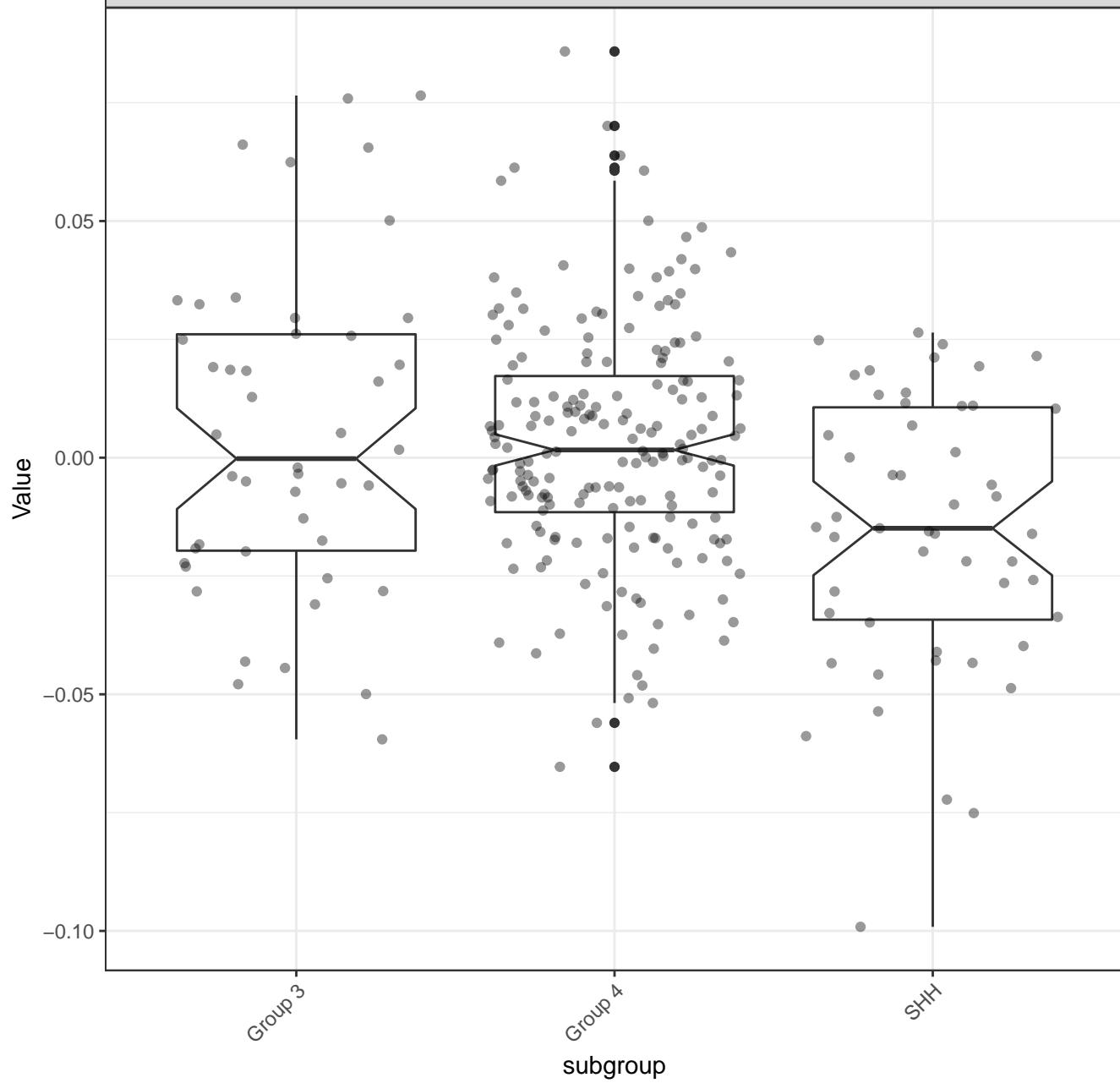
Group 4

SHH

subgroup



518,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



LV 519

Value

0.05

0.00

-0.05

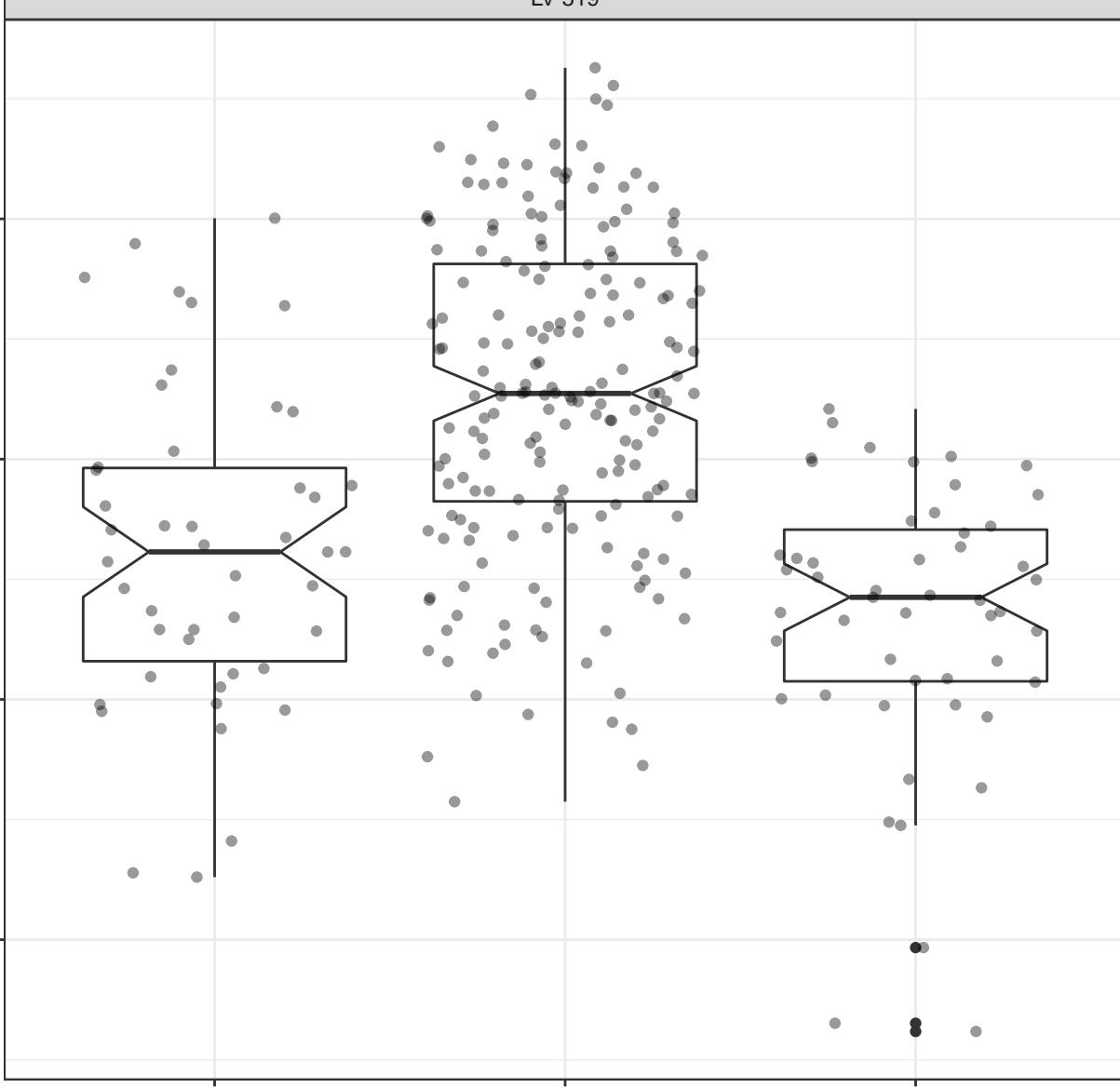
-0.10

Group 3

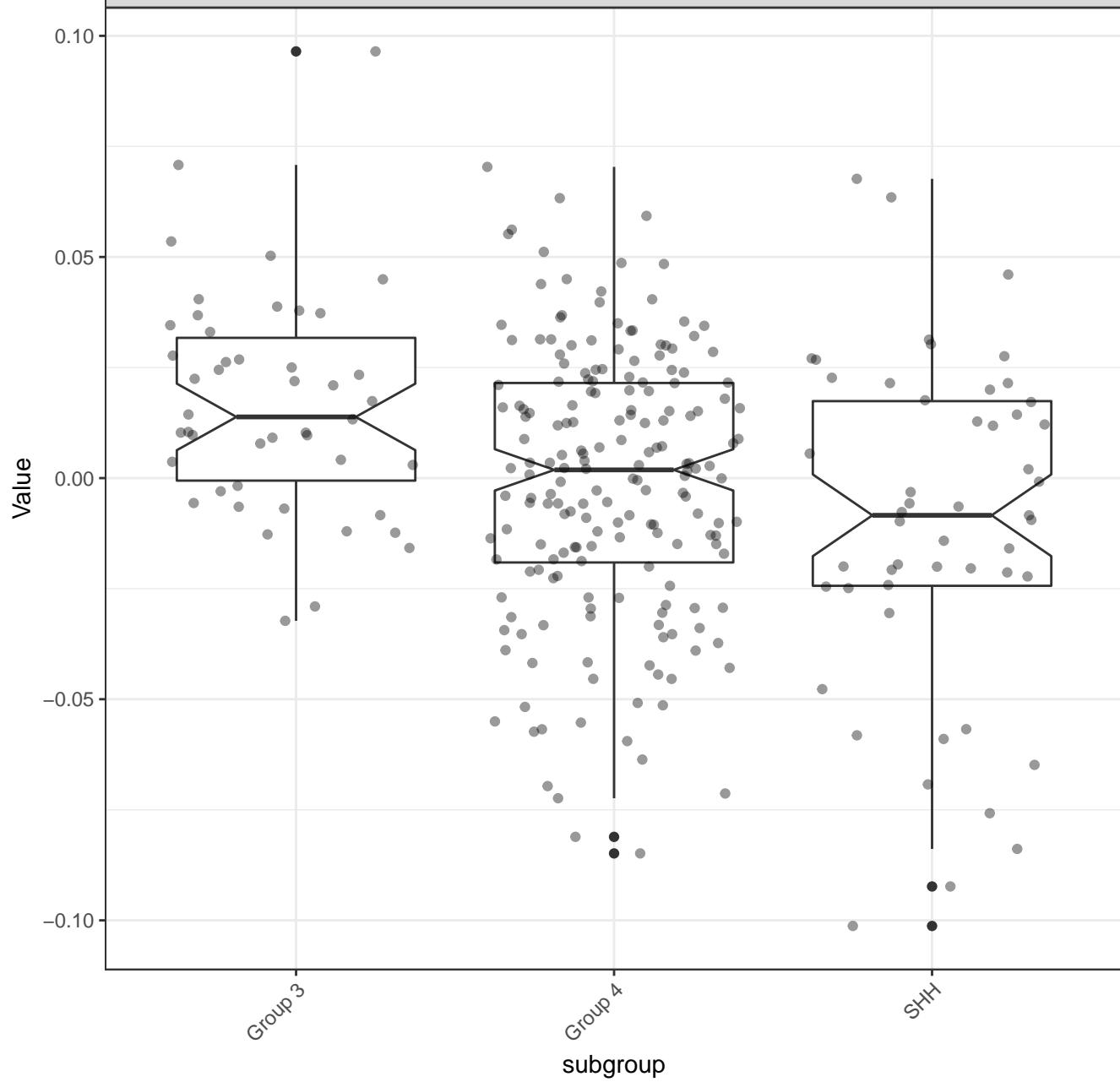
Group 4

SHH

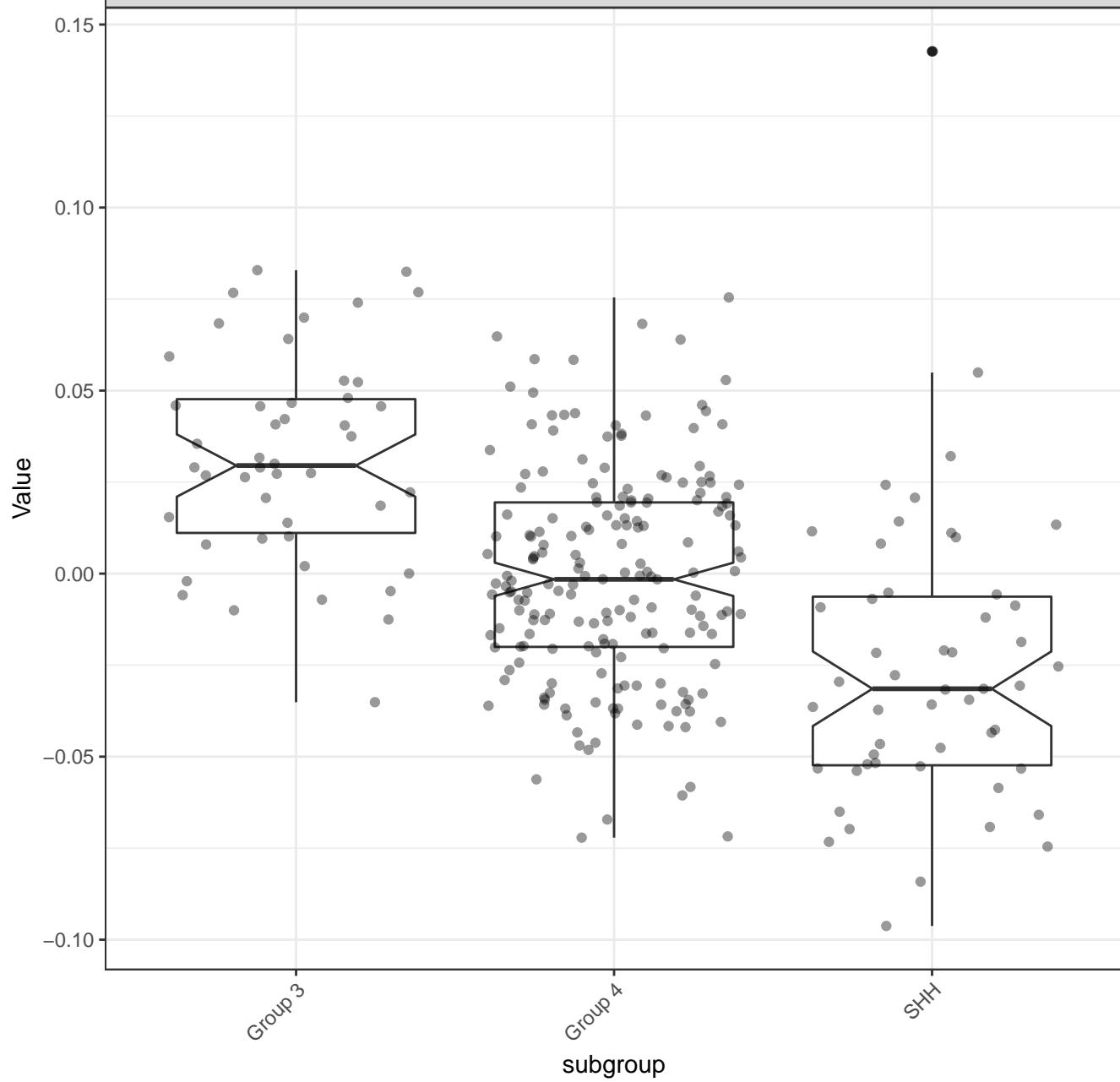
subgroup



LV 520



LV 521



Value

0.10

0.05

0.00

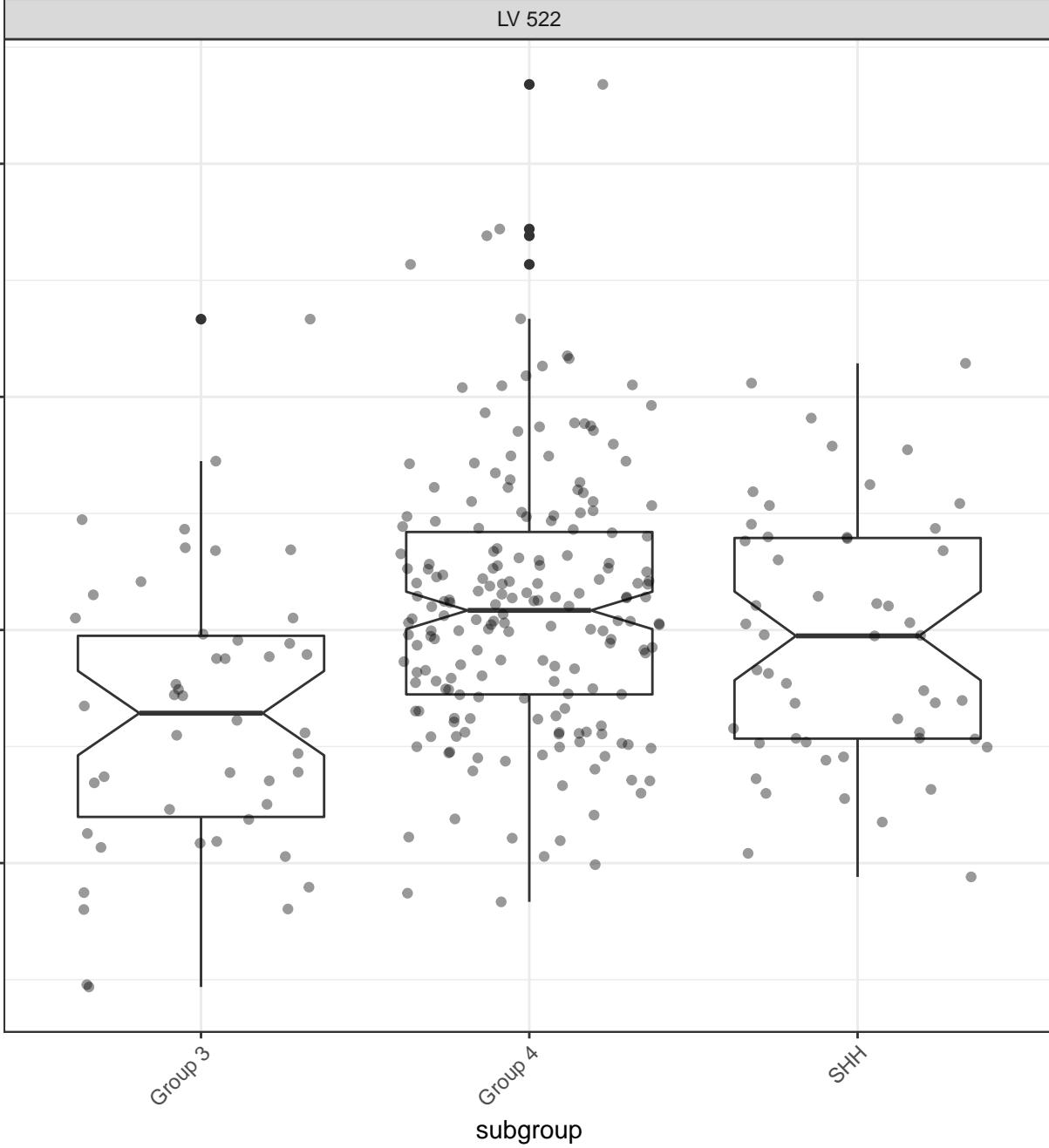
-0.05

Group 3

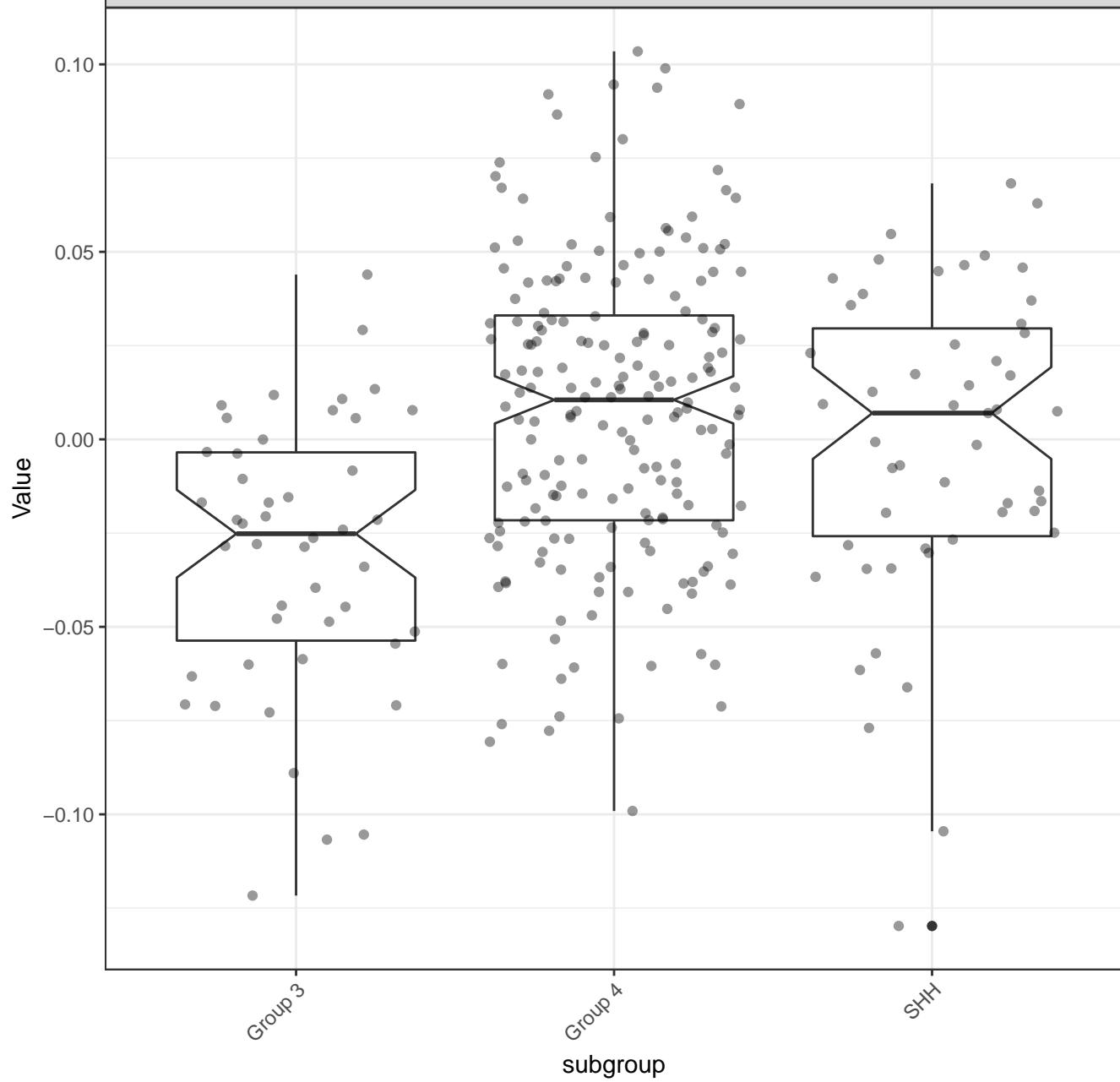
Group 4

SHH

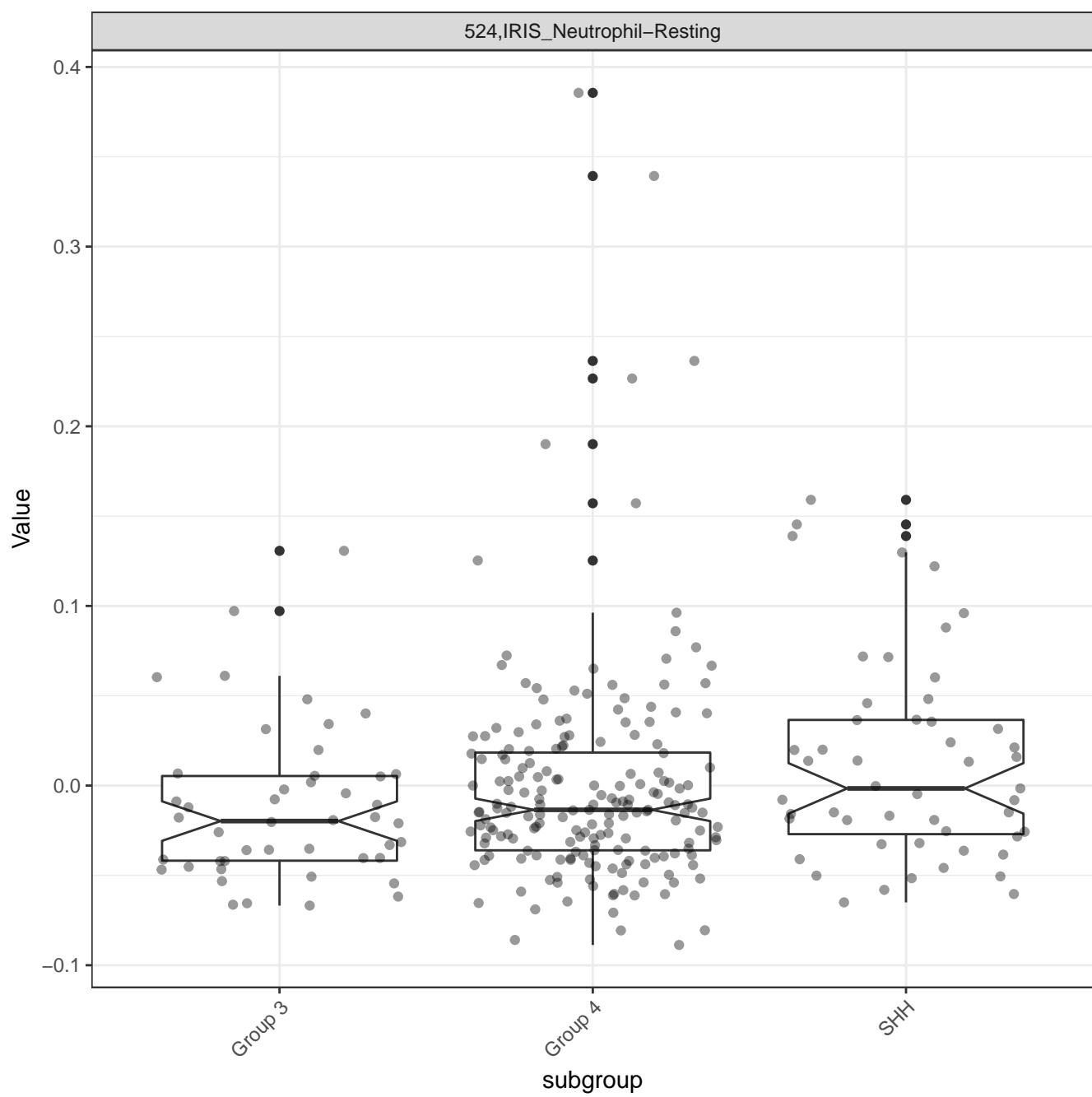
subgroup



LV 523



524,IRIS_Neutrophil–Resting



LV 525

Value

0.05

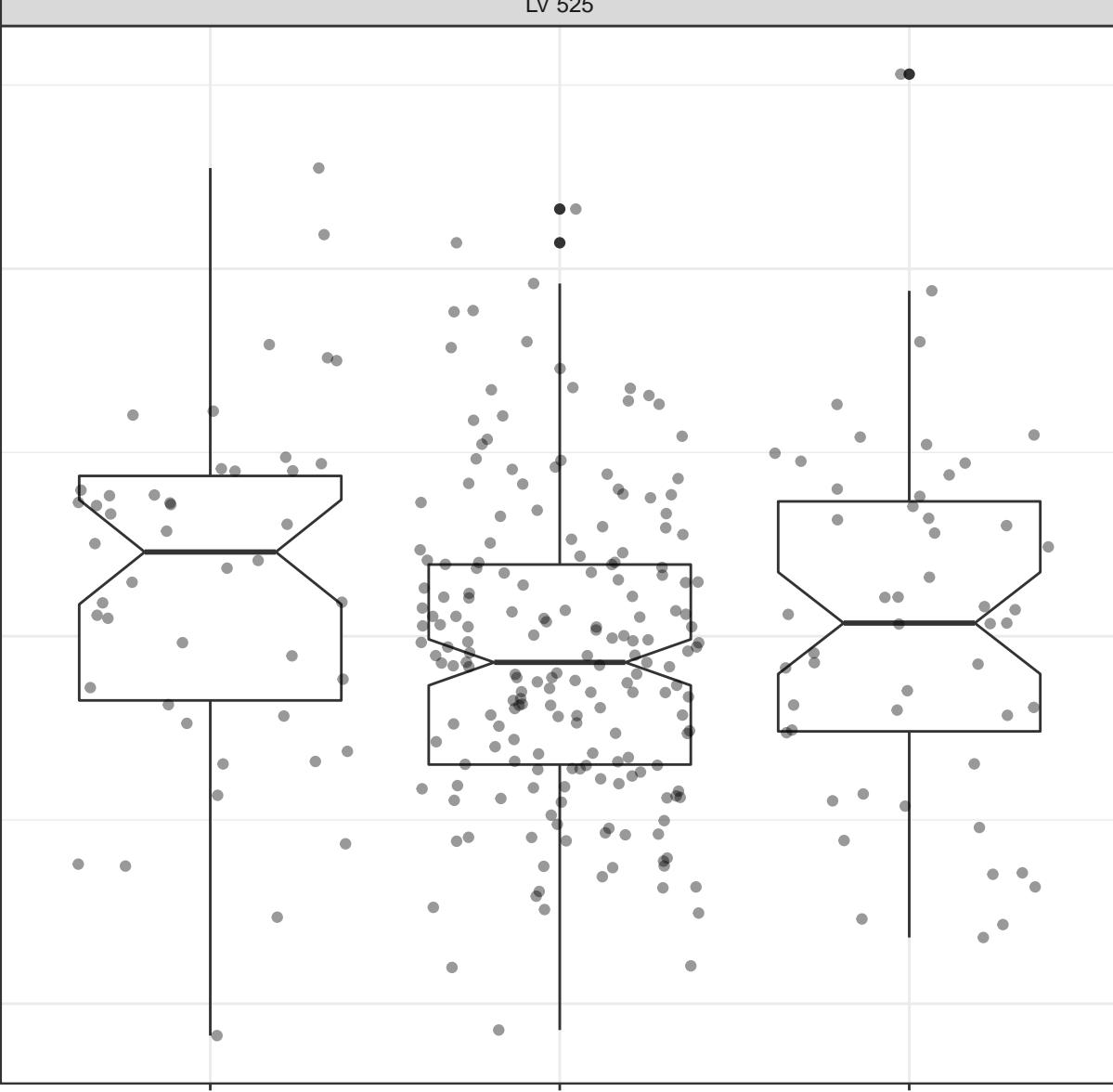
0.00

-0.05

Group 3

subgroup

SHH



LV 526

Value

0.10

0.05

0.00

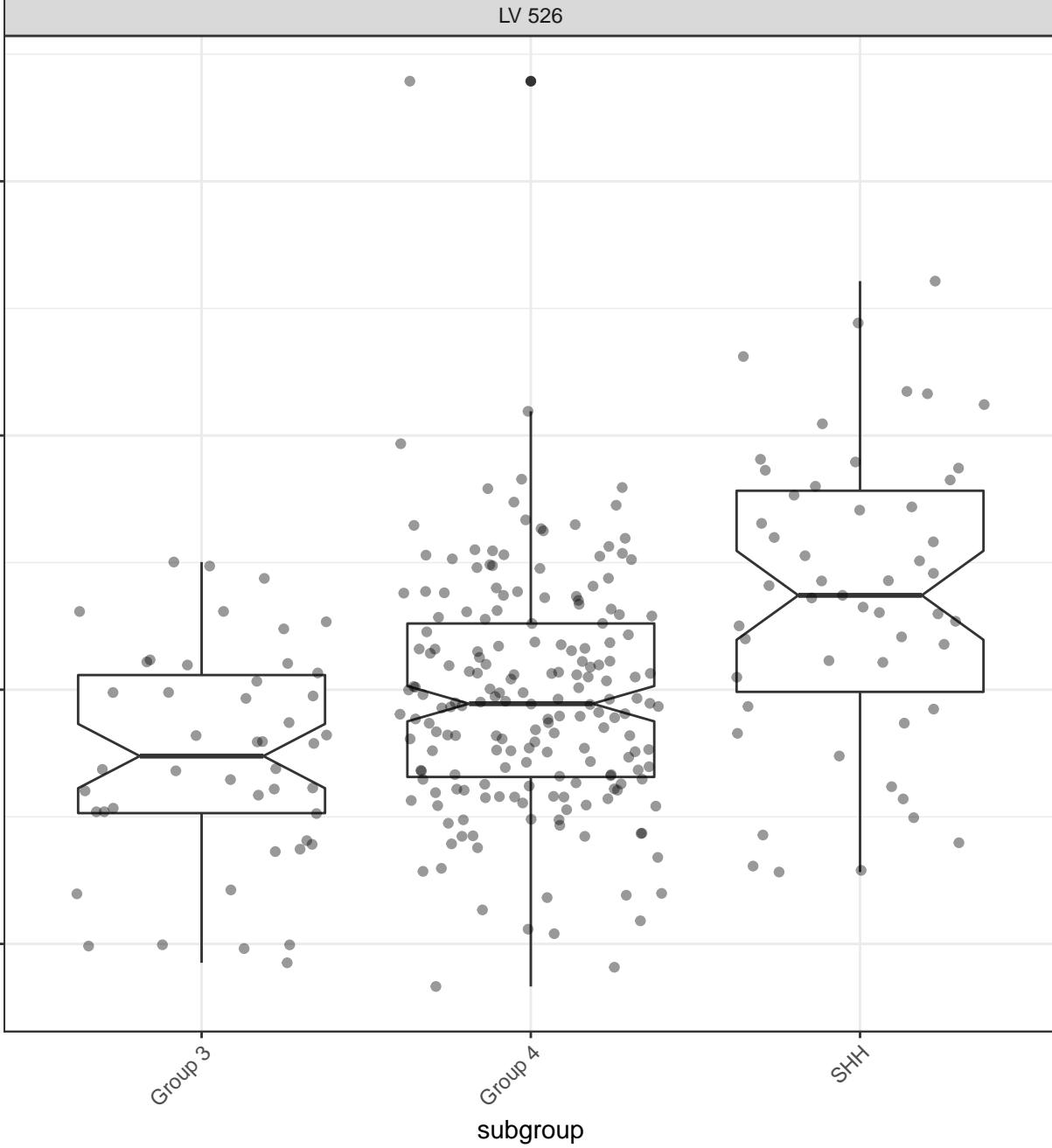
-0.05

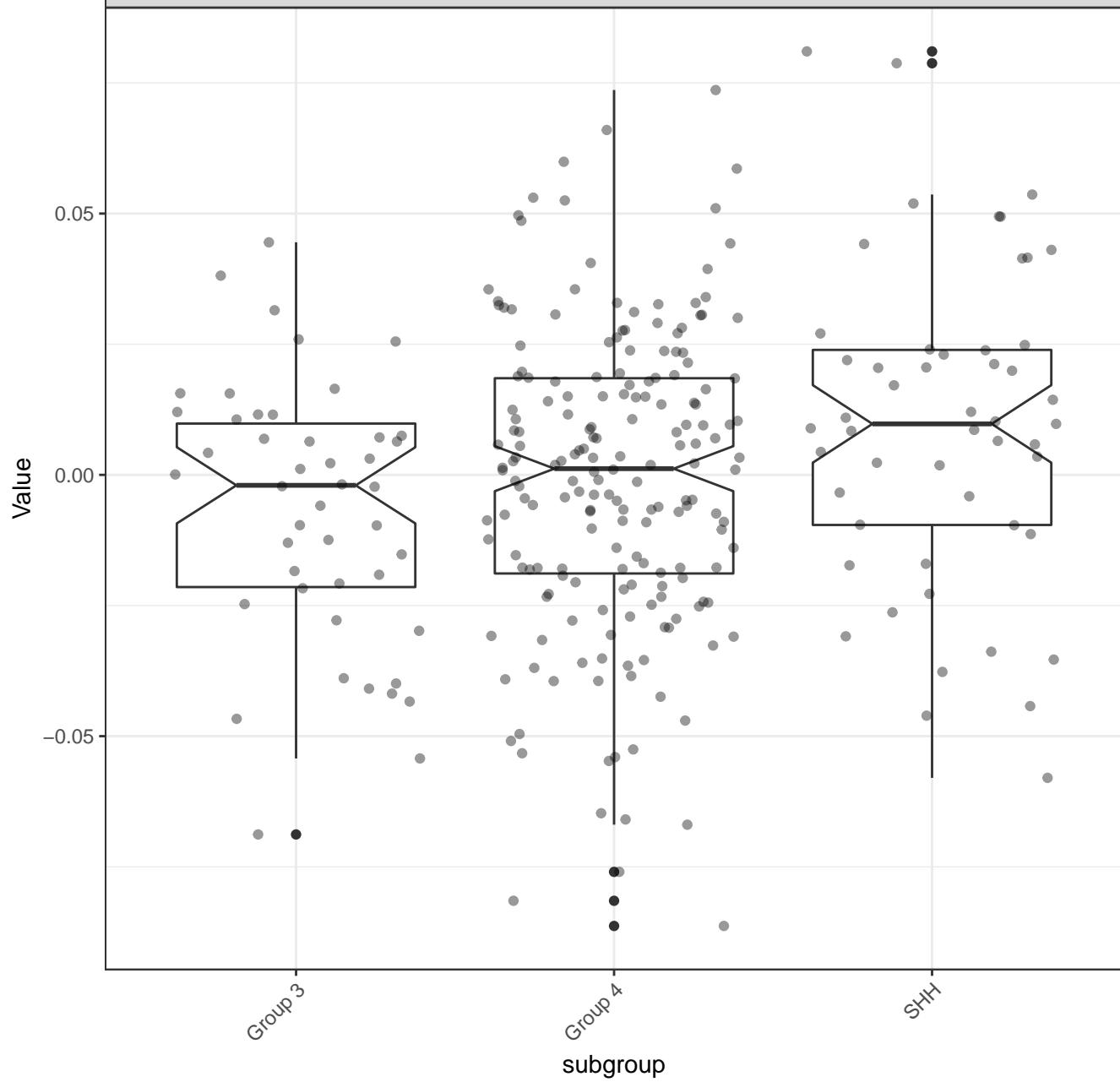
Group 3

Group 4

SHH

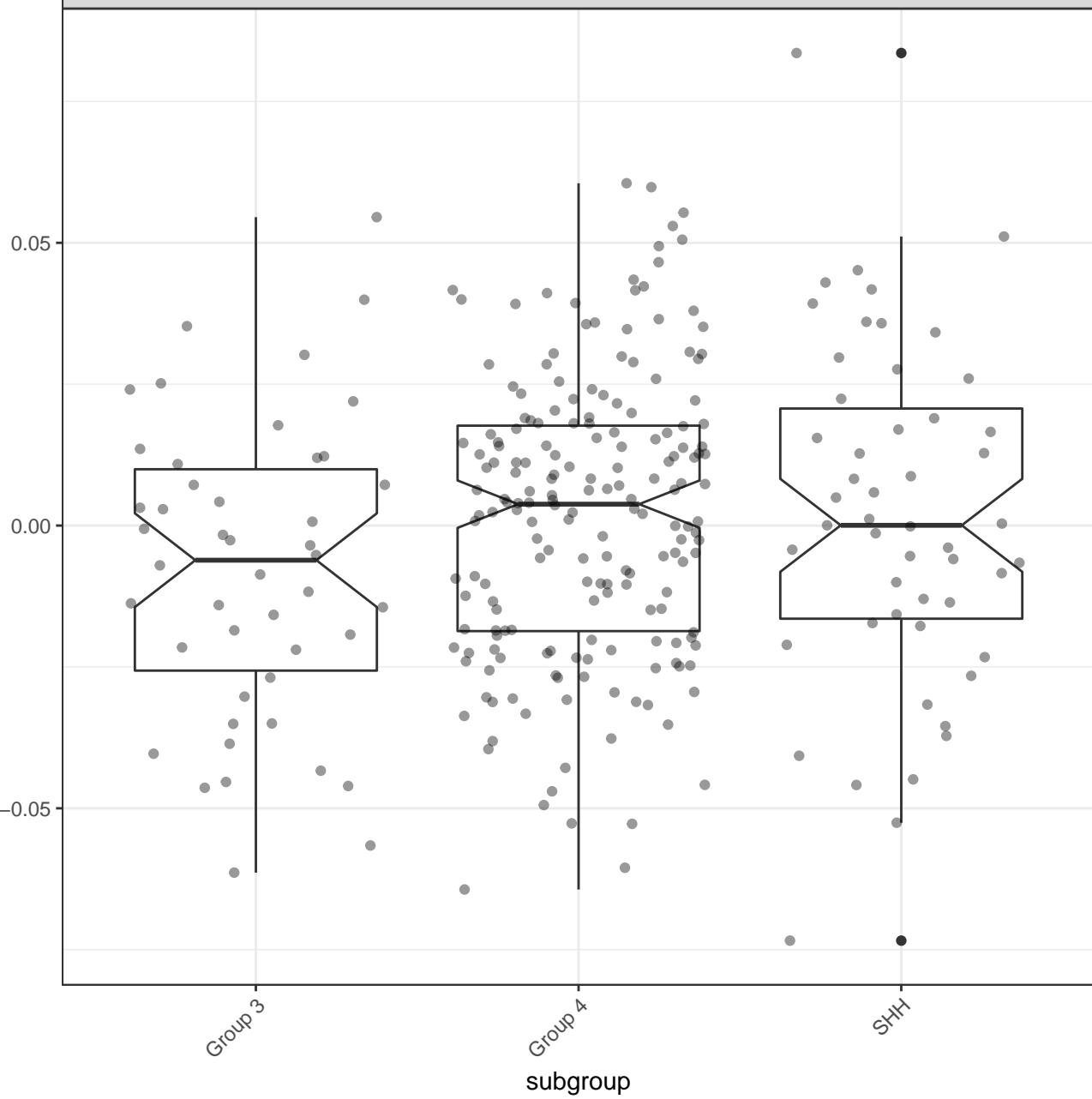
subgroup



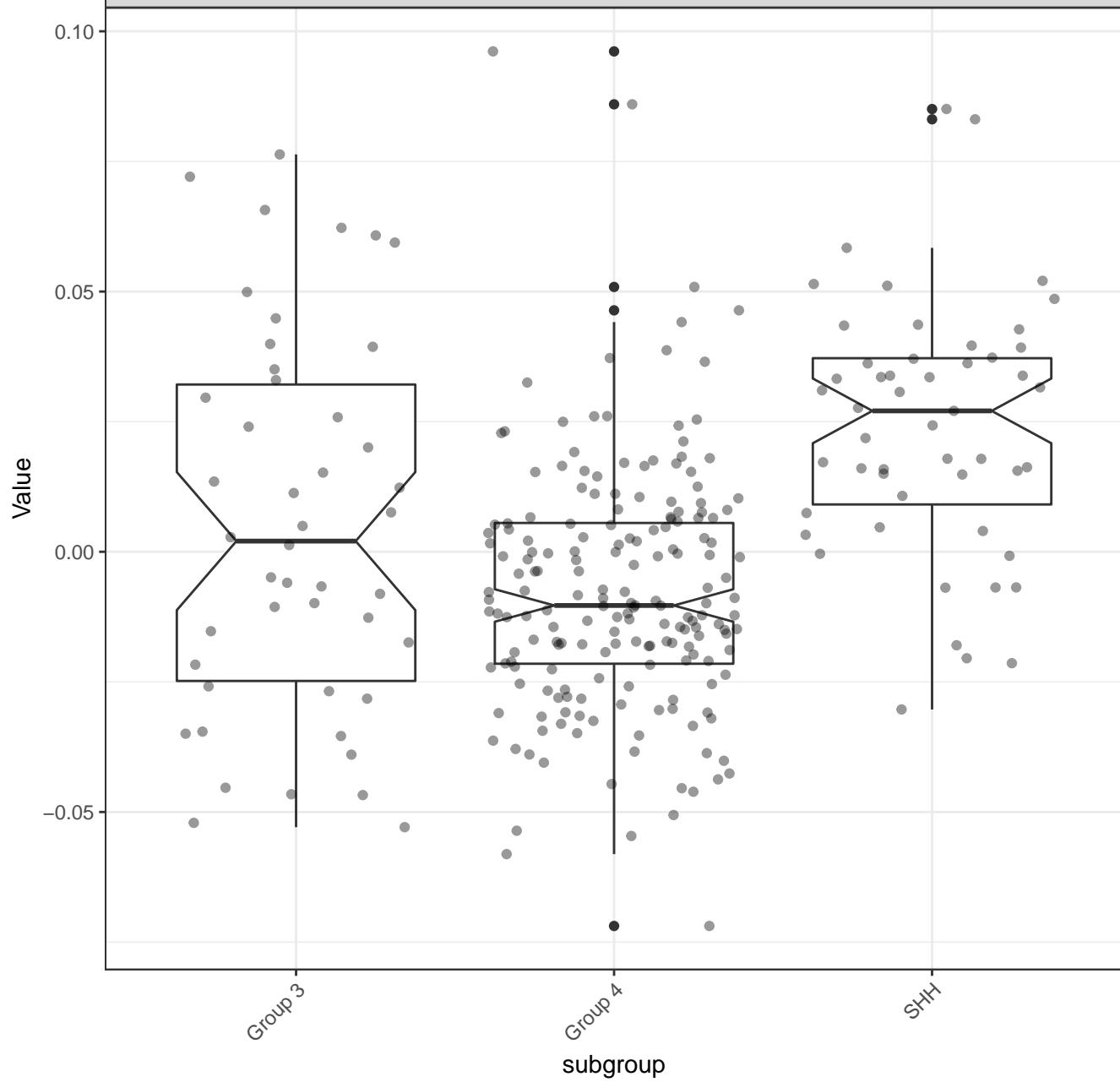


LV 528

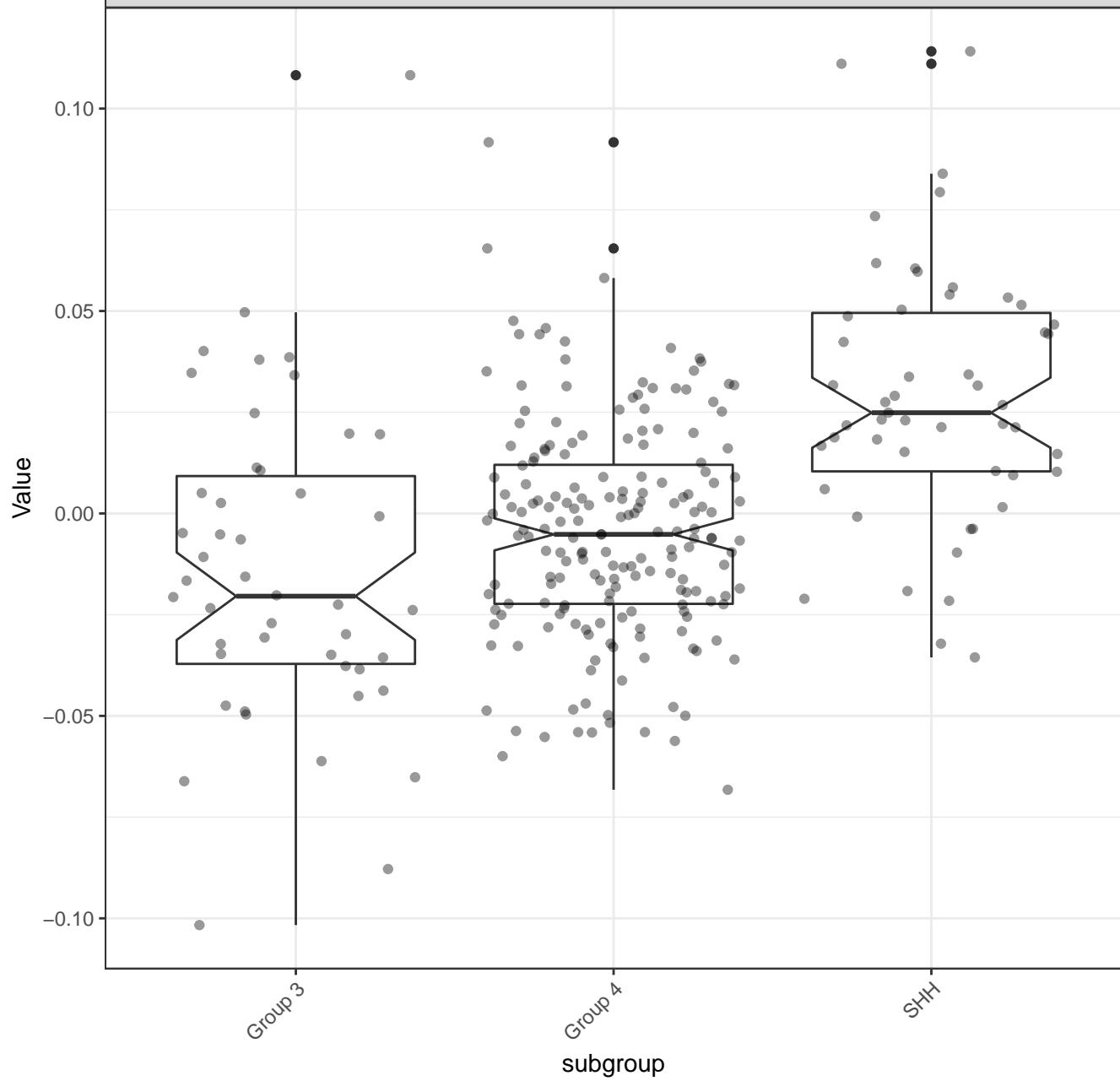
Value

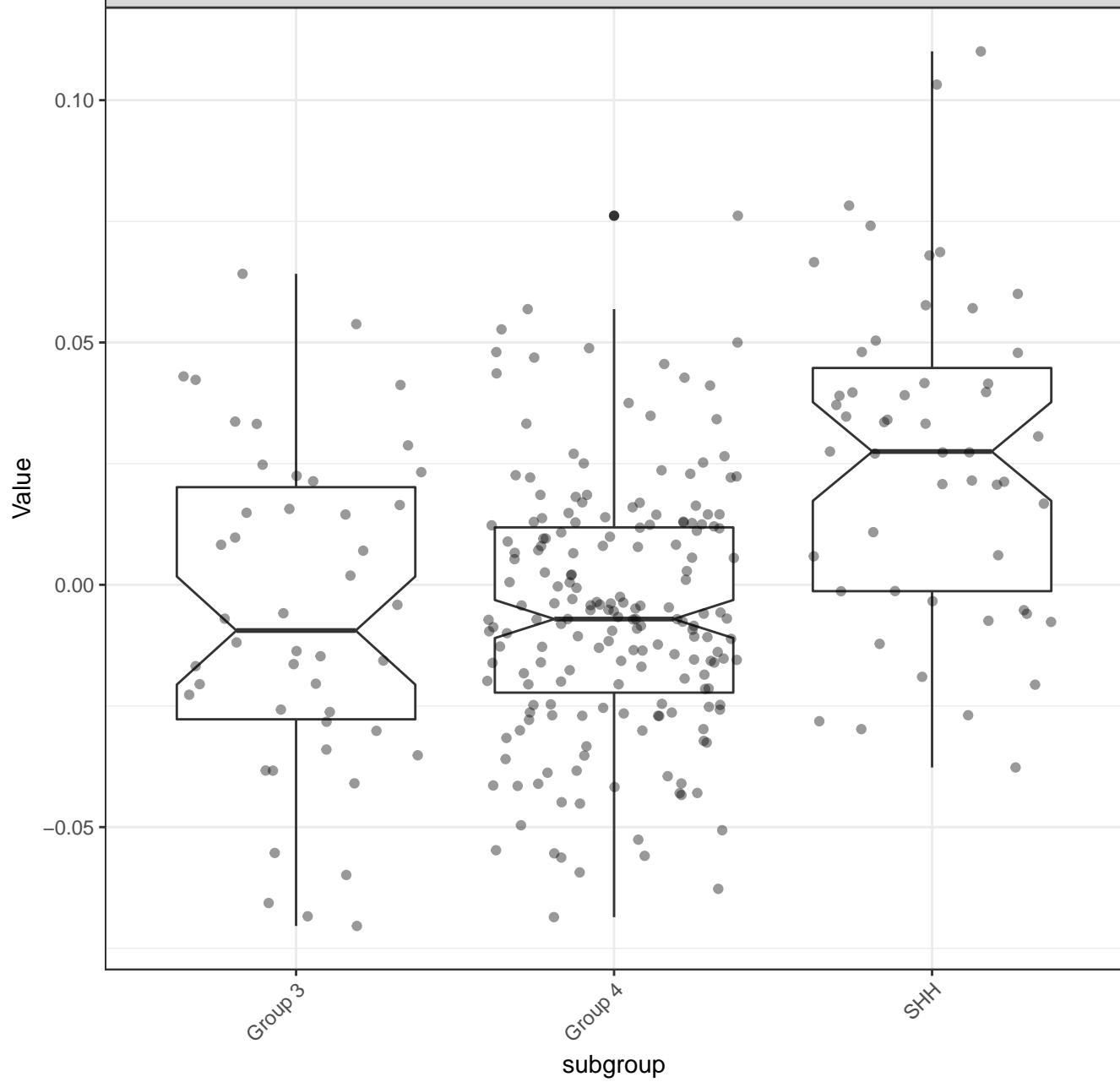


LV 529

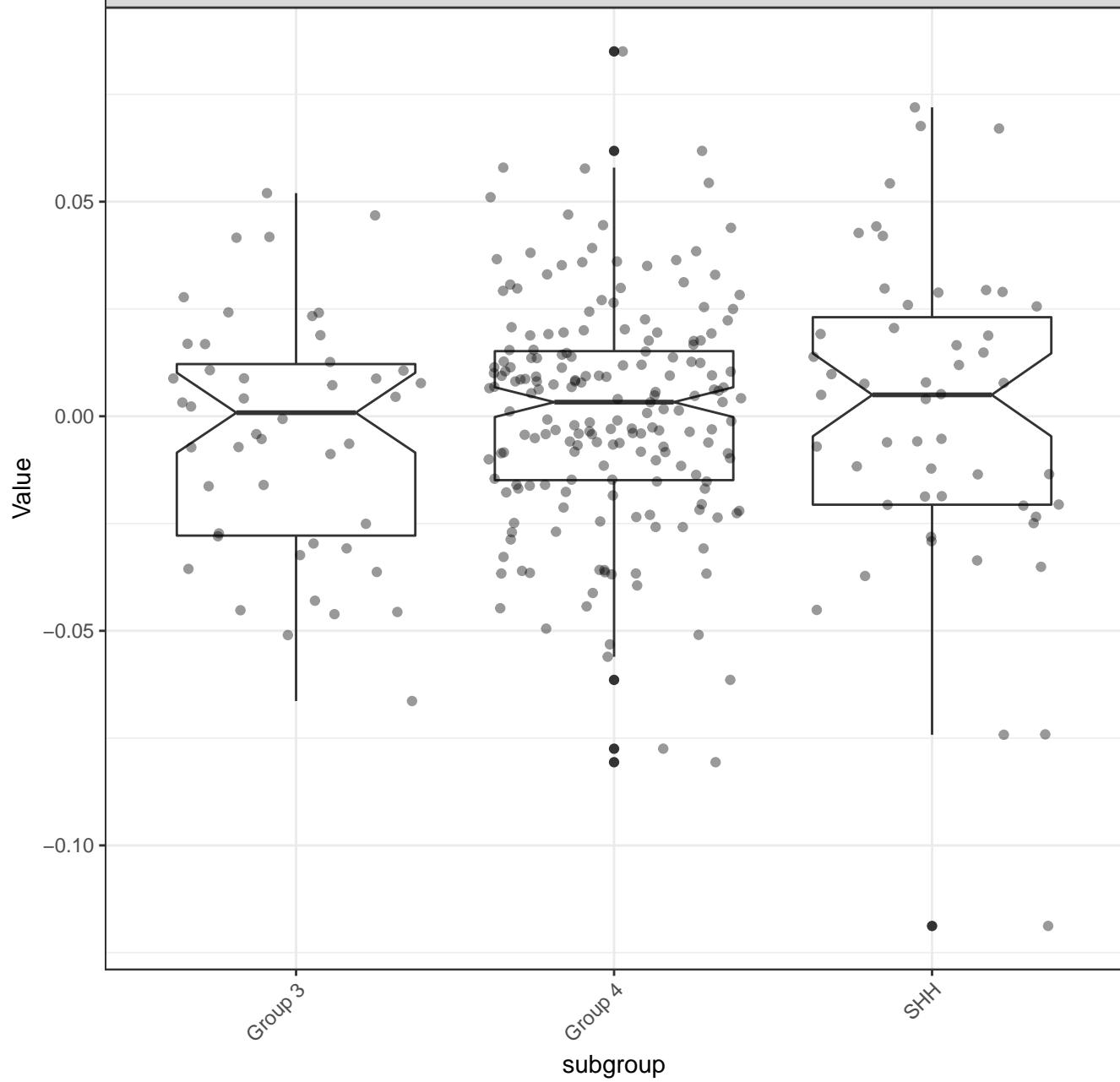


LV 530





LV 532



LV 533

Value

0.15

0.10

0.05

0.00

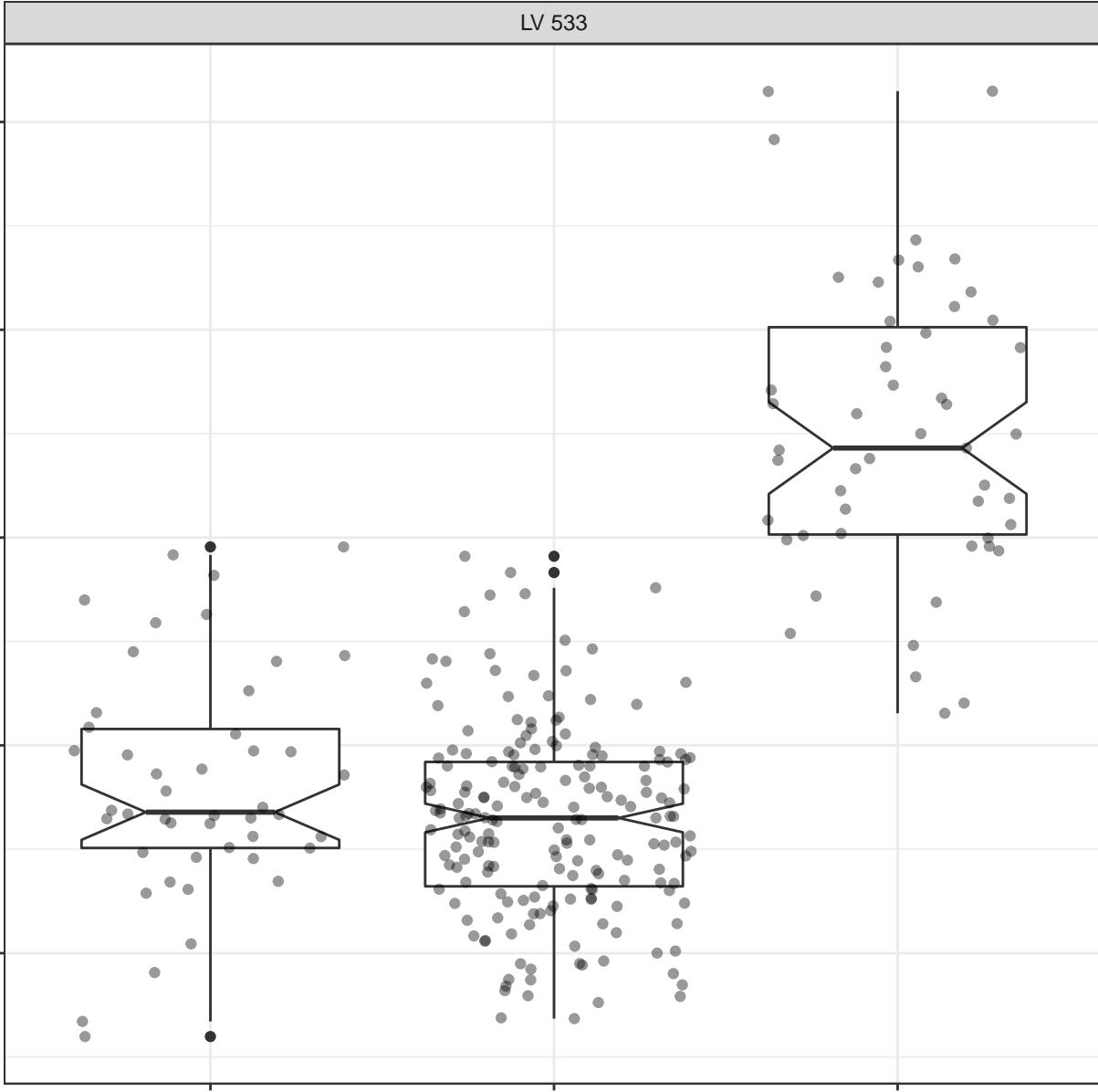
-0.05

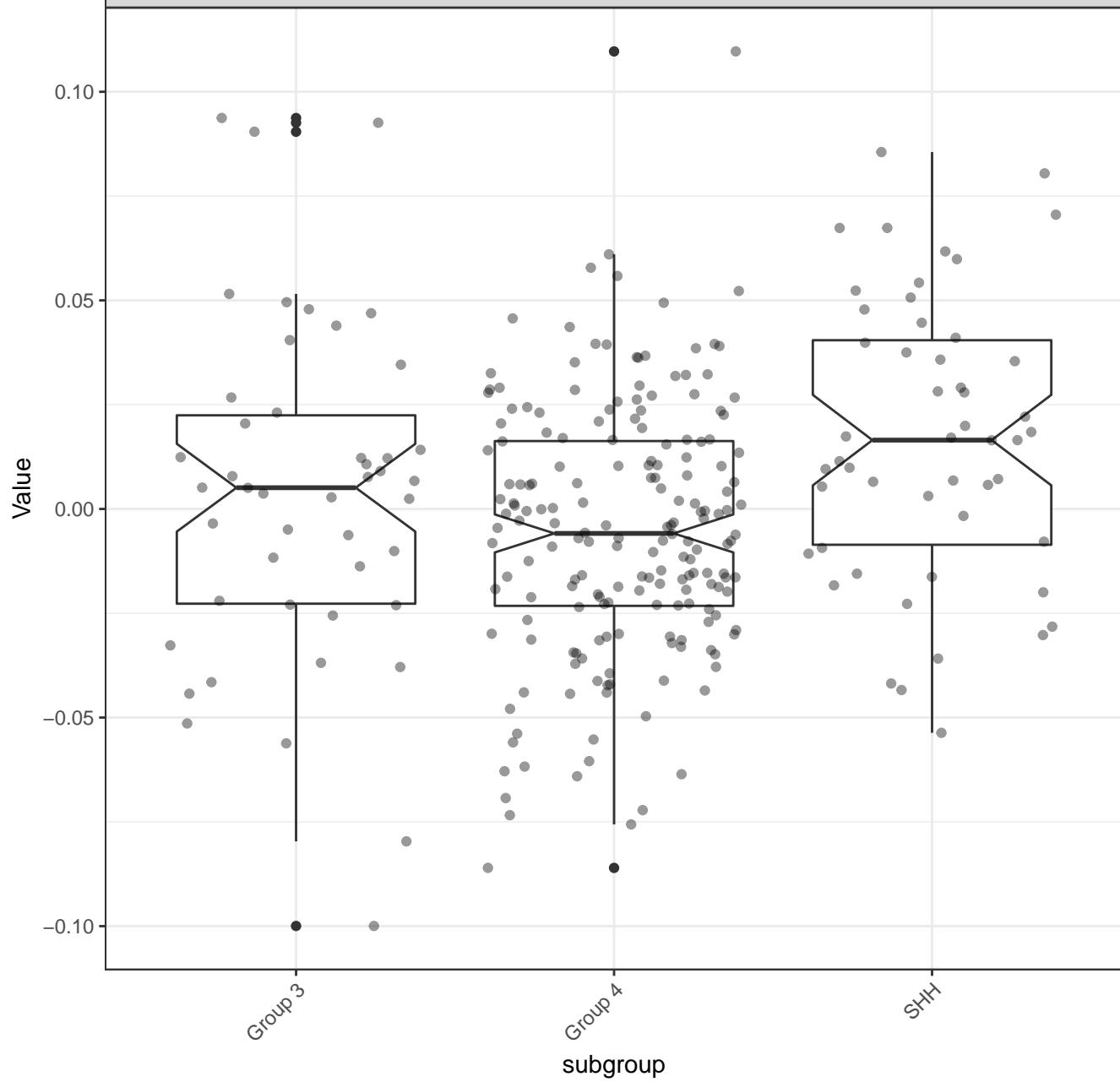
Group 3

subgroup

Group 4

SHH





LV 535

Value

0.05

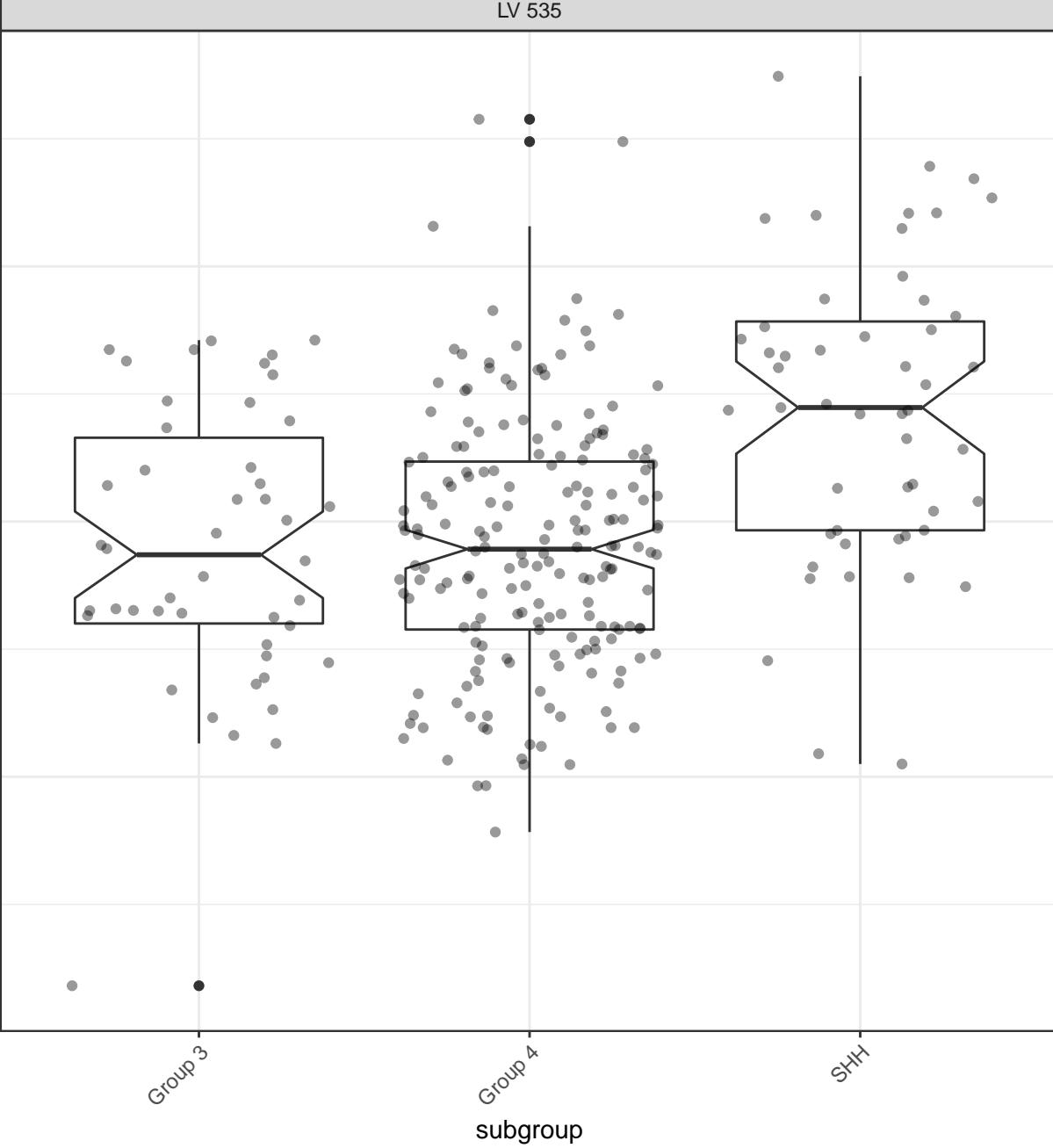
0.00

-0.05

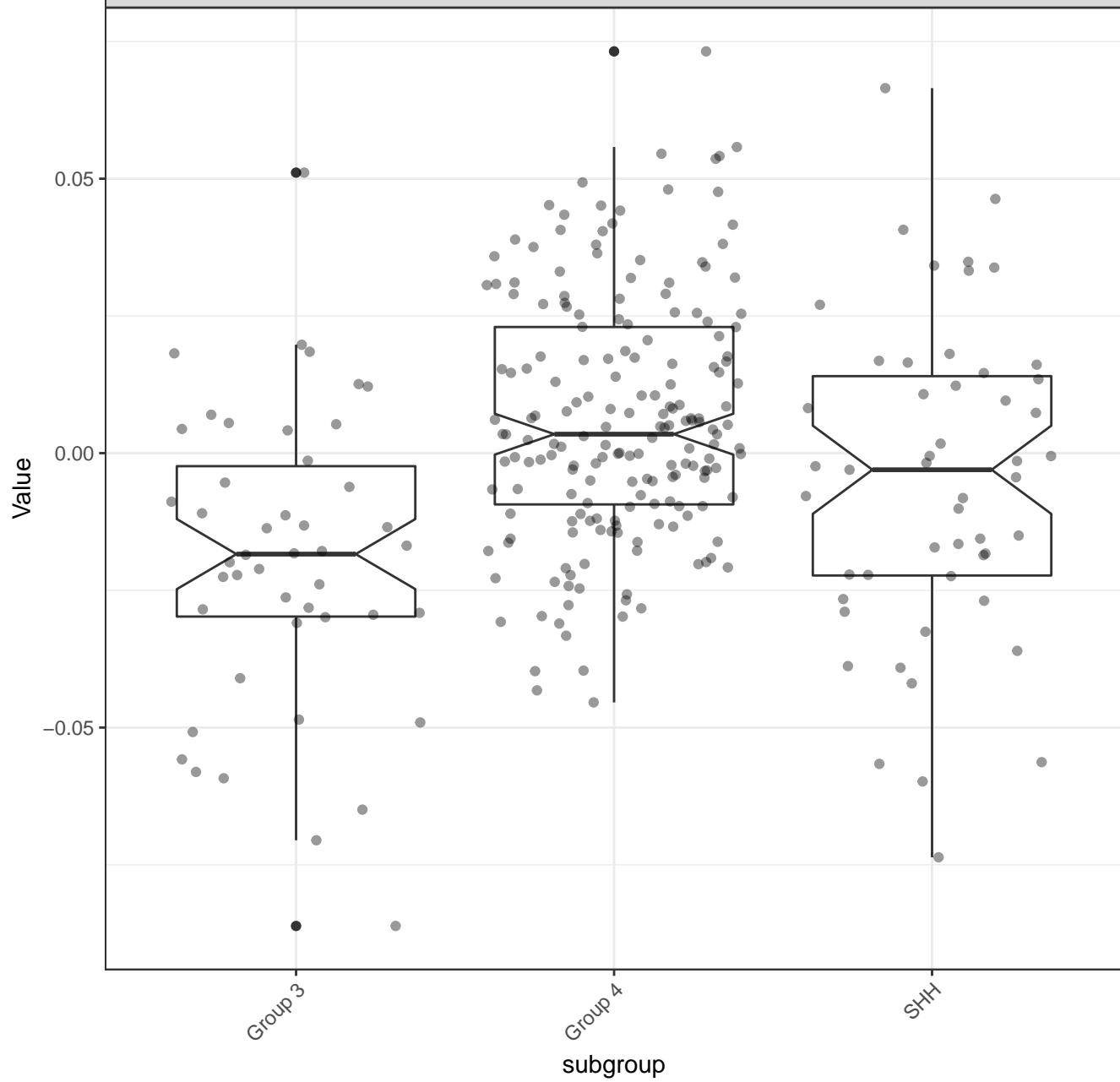
Group 3

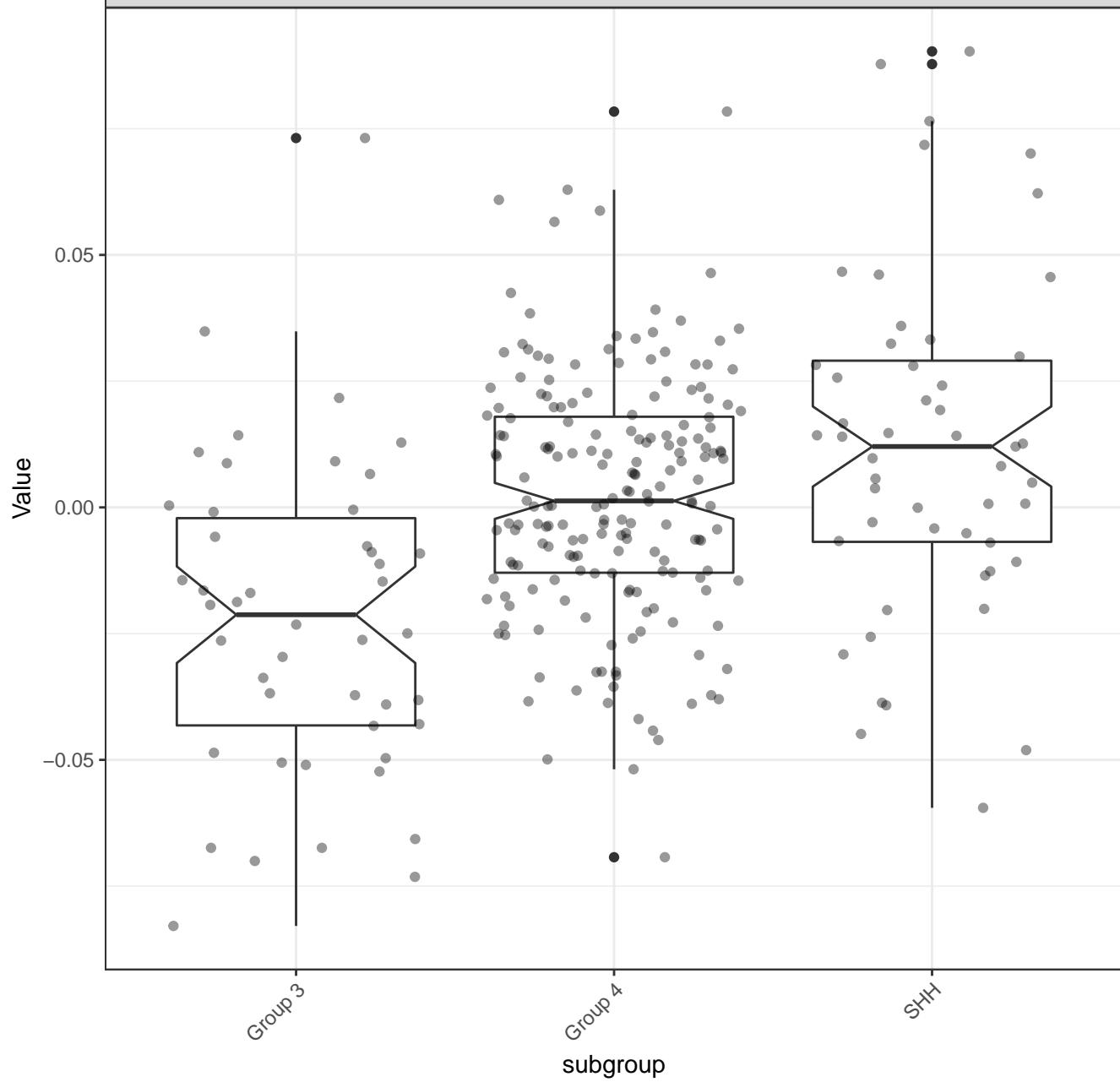
subgroup

SHH

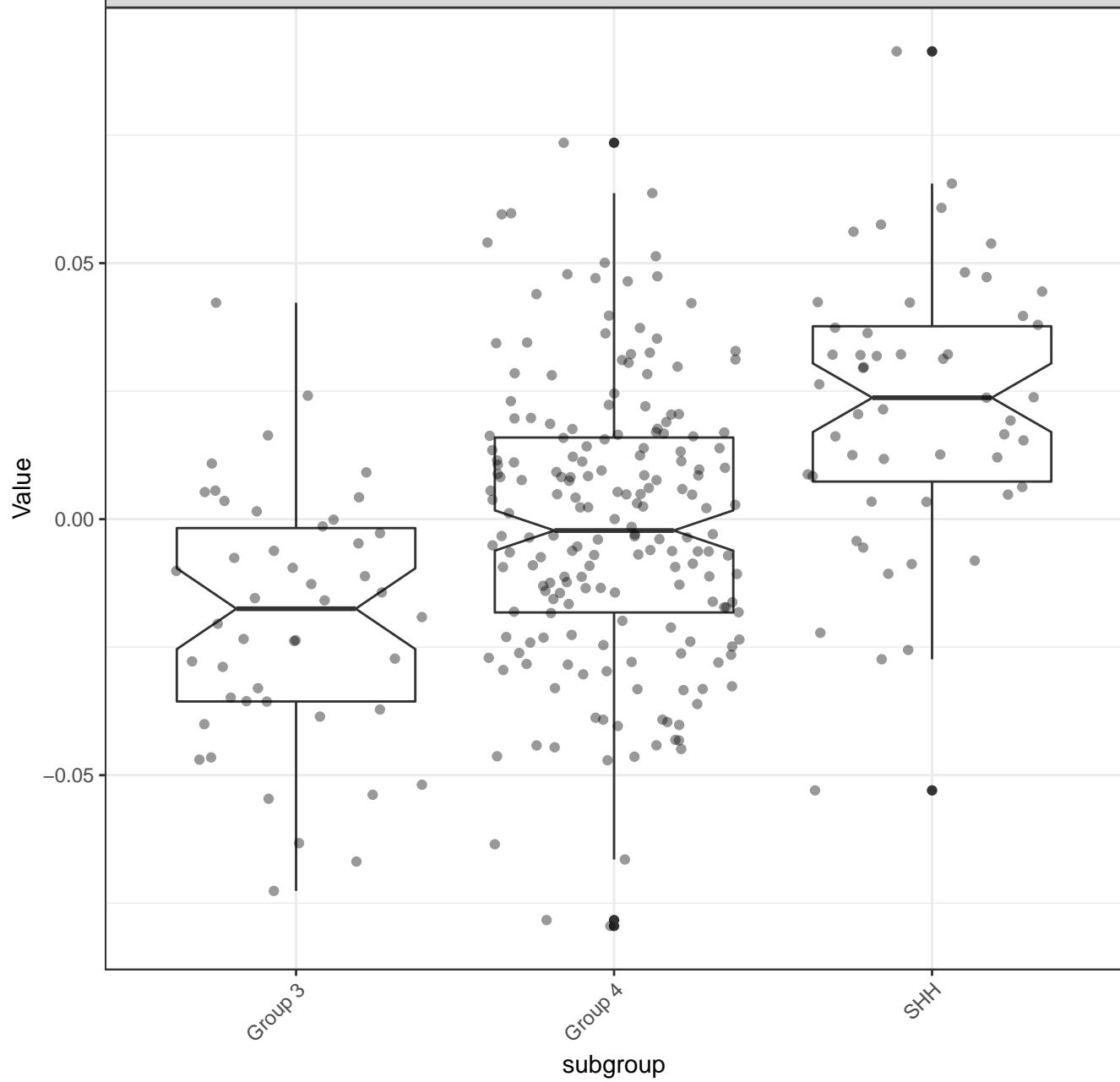


LV 536

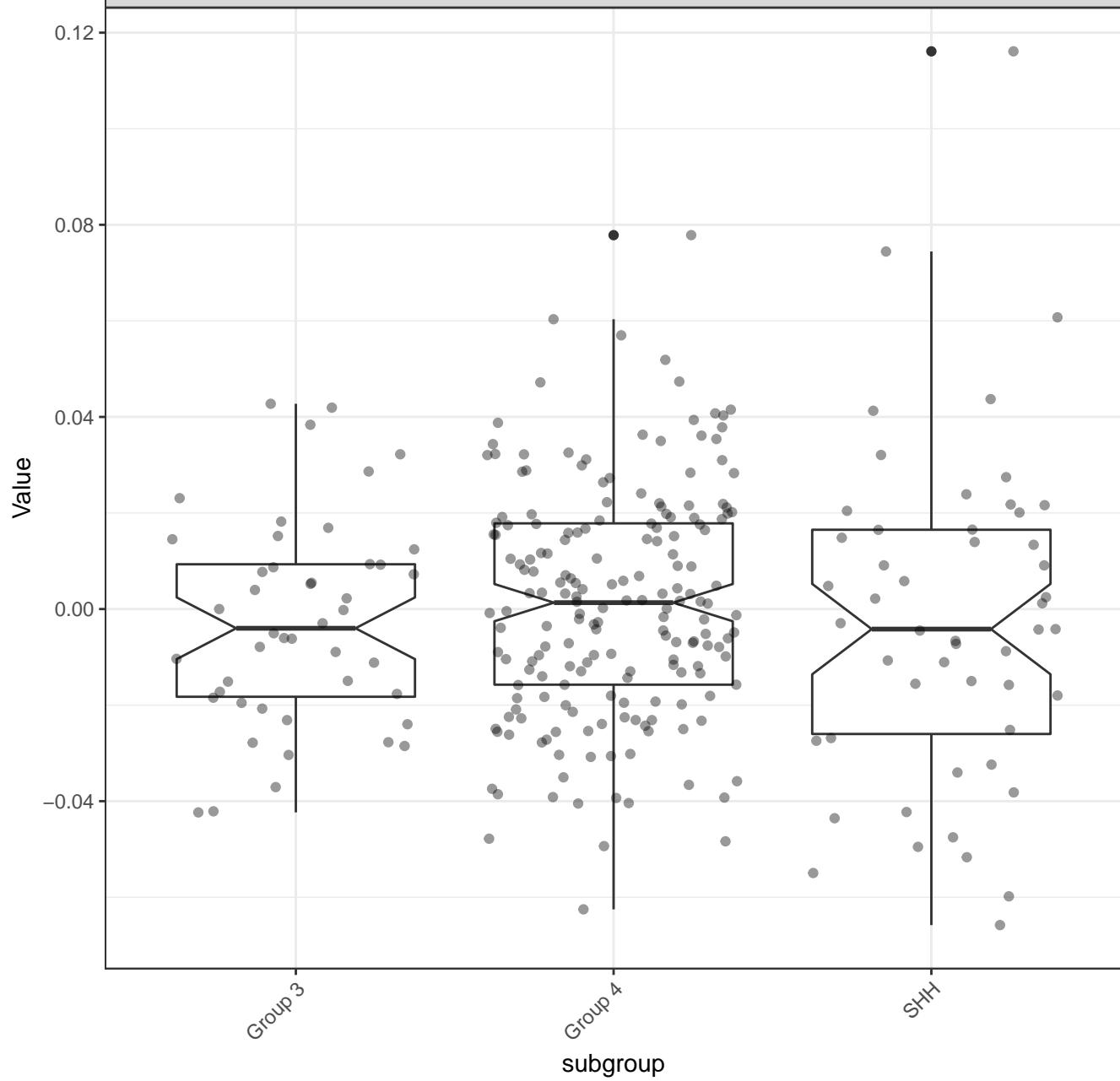


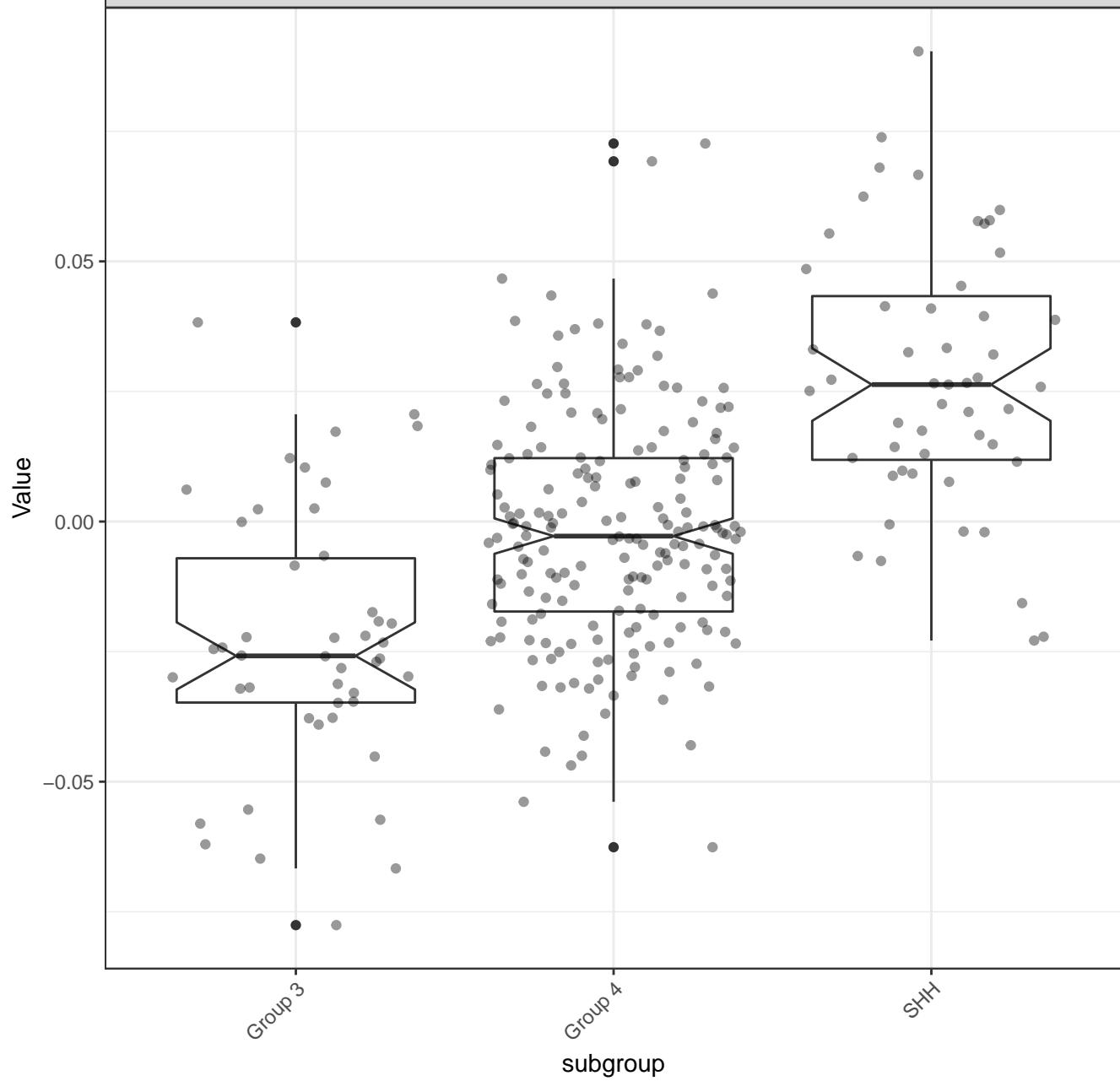


538,PID_P73PATHWAY

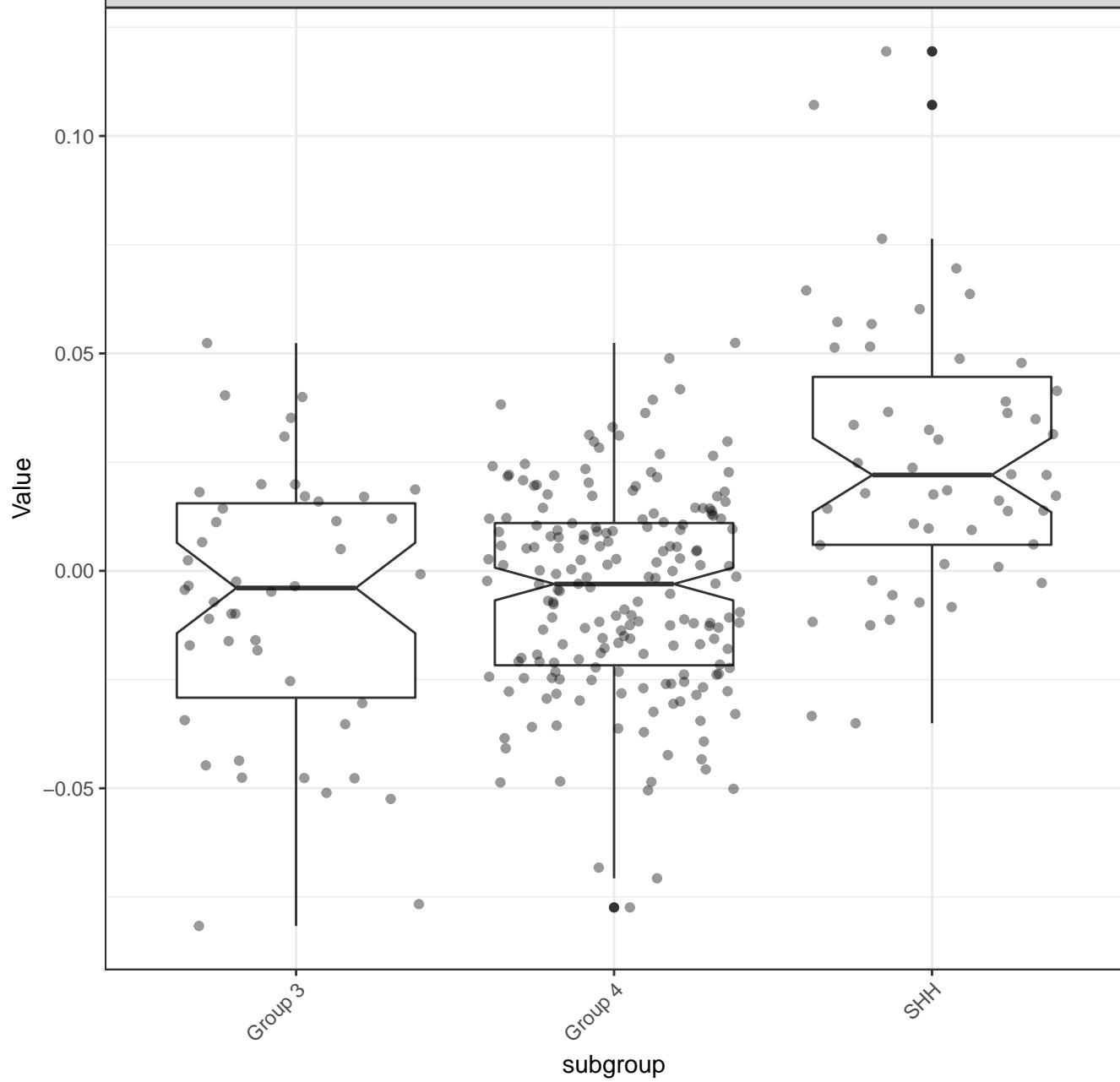


LV 539





541,REACTOME_G1_PHASE



LV 542

Value

0.1

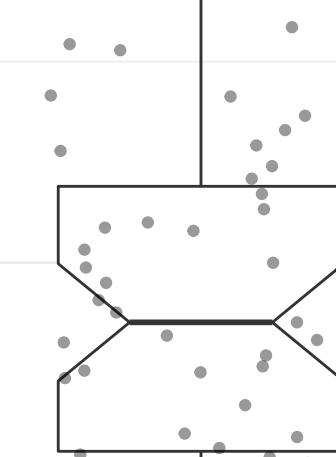
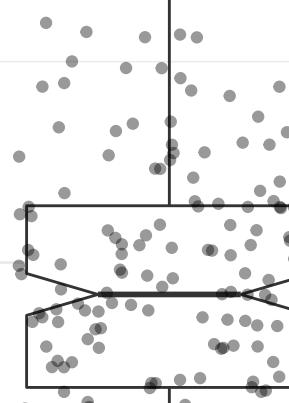
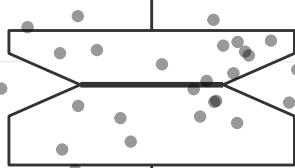
0.0

-0.1

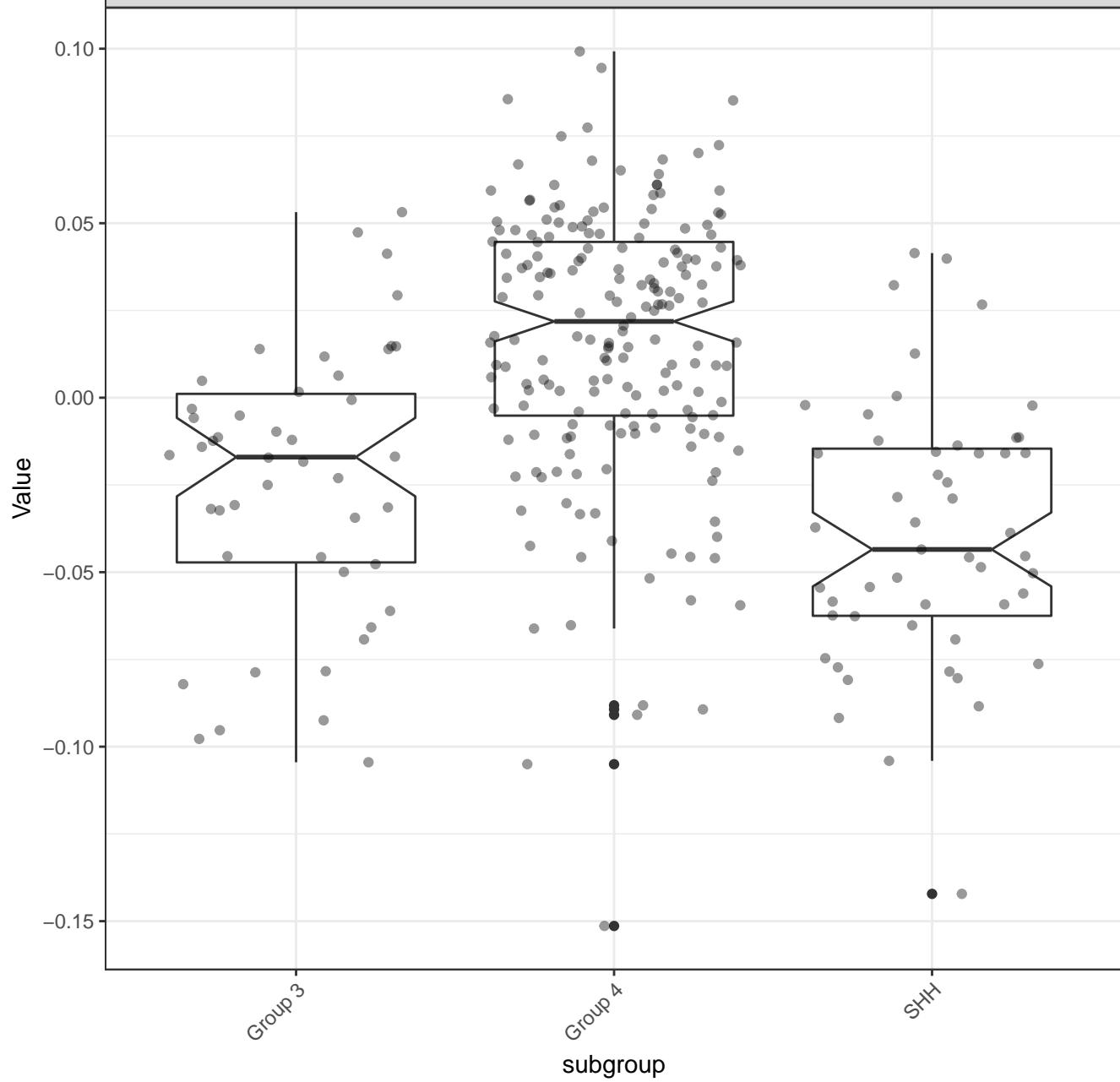
Group³Group⁴

SHH

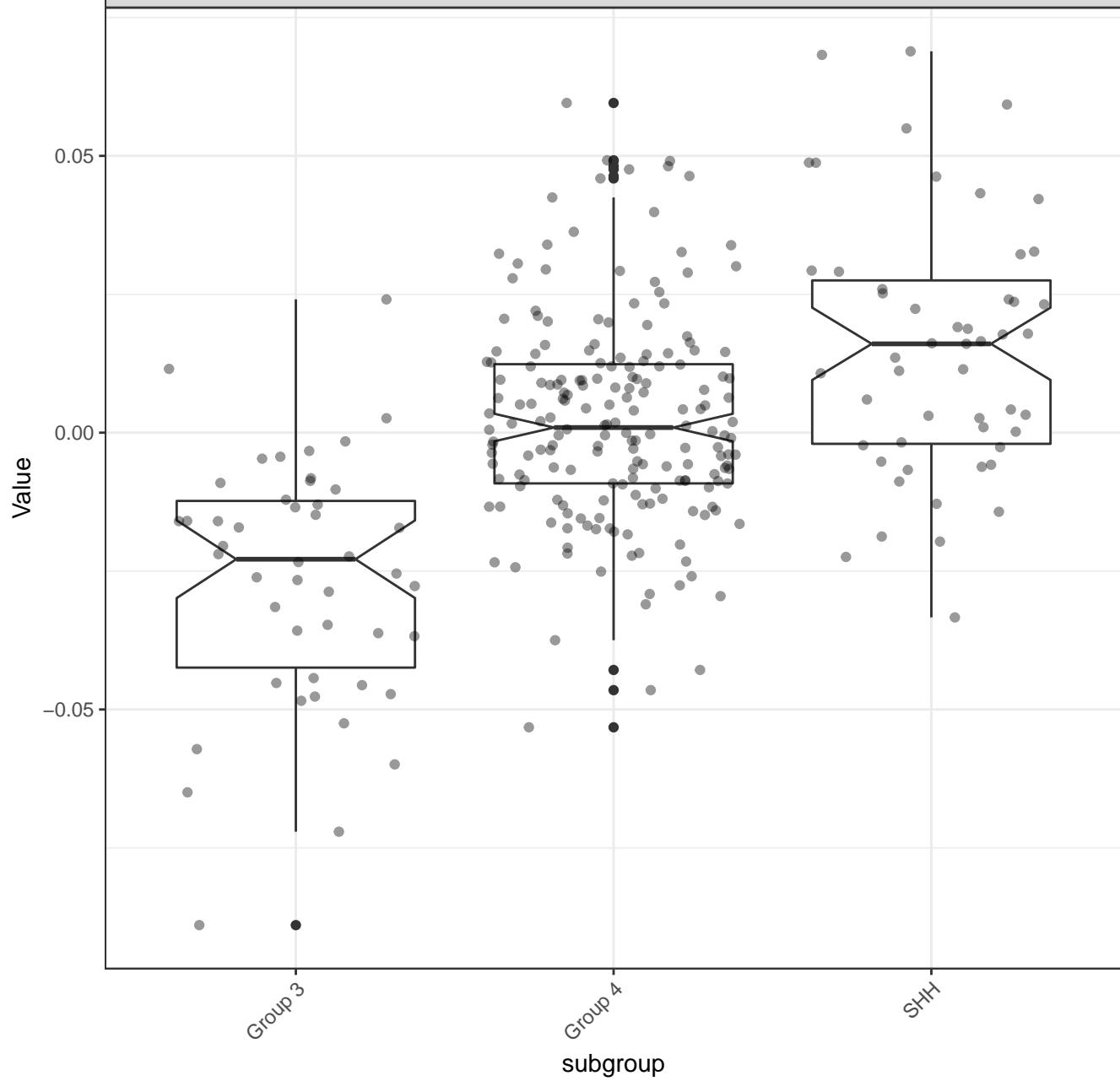
subgroup



LV 543



LV 544



LV 545

Value

0.05

0.00

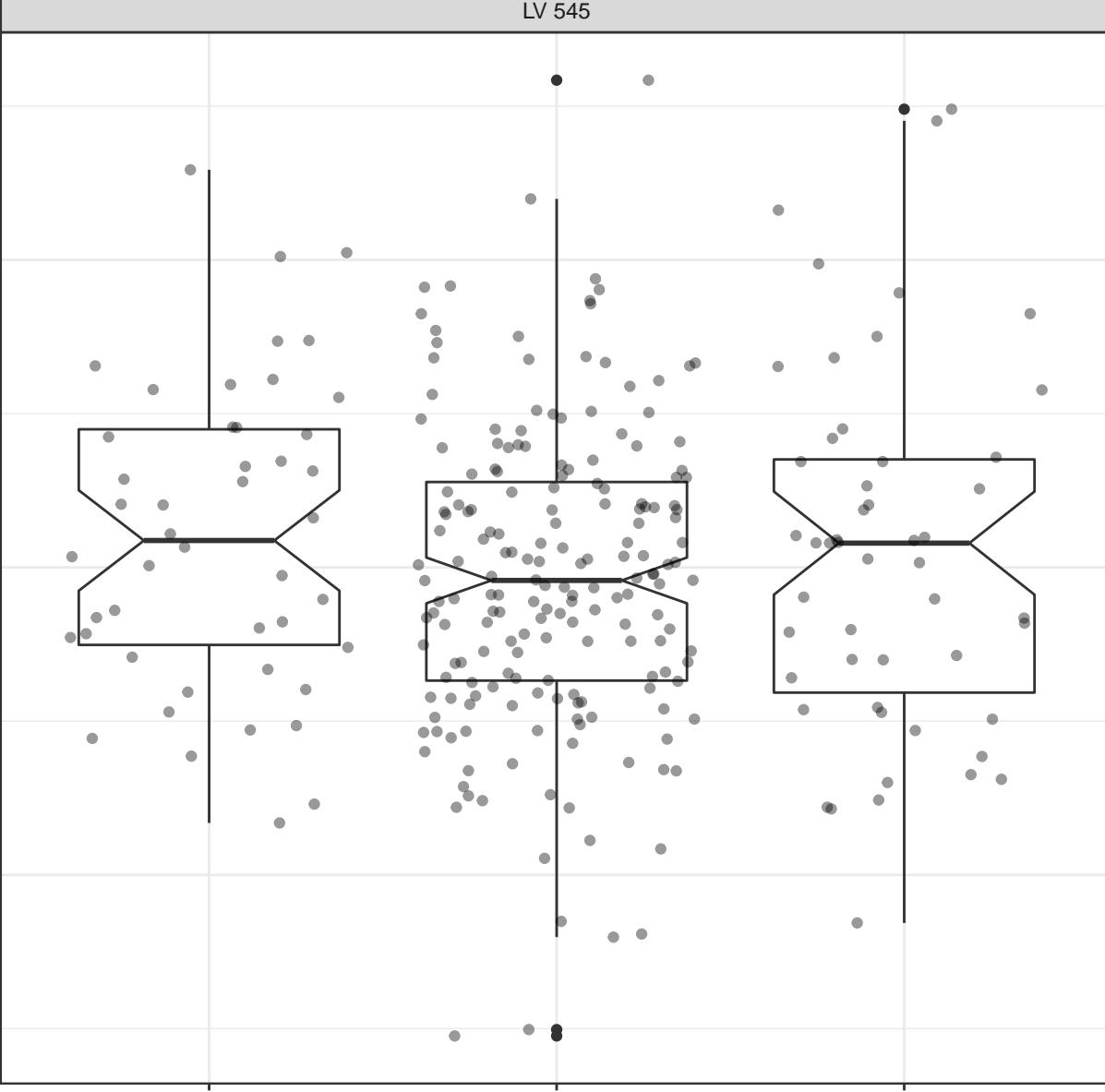
-0.05

Group 3

subgroup

Group 4

SHH



LV 546

Value

0.3

0.2

0.1

0.0

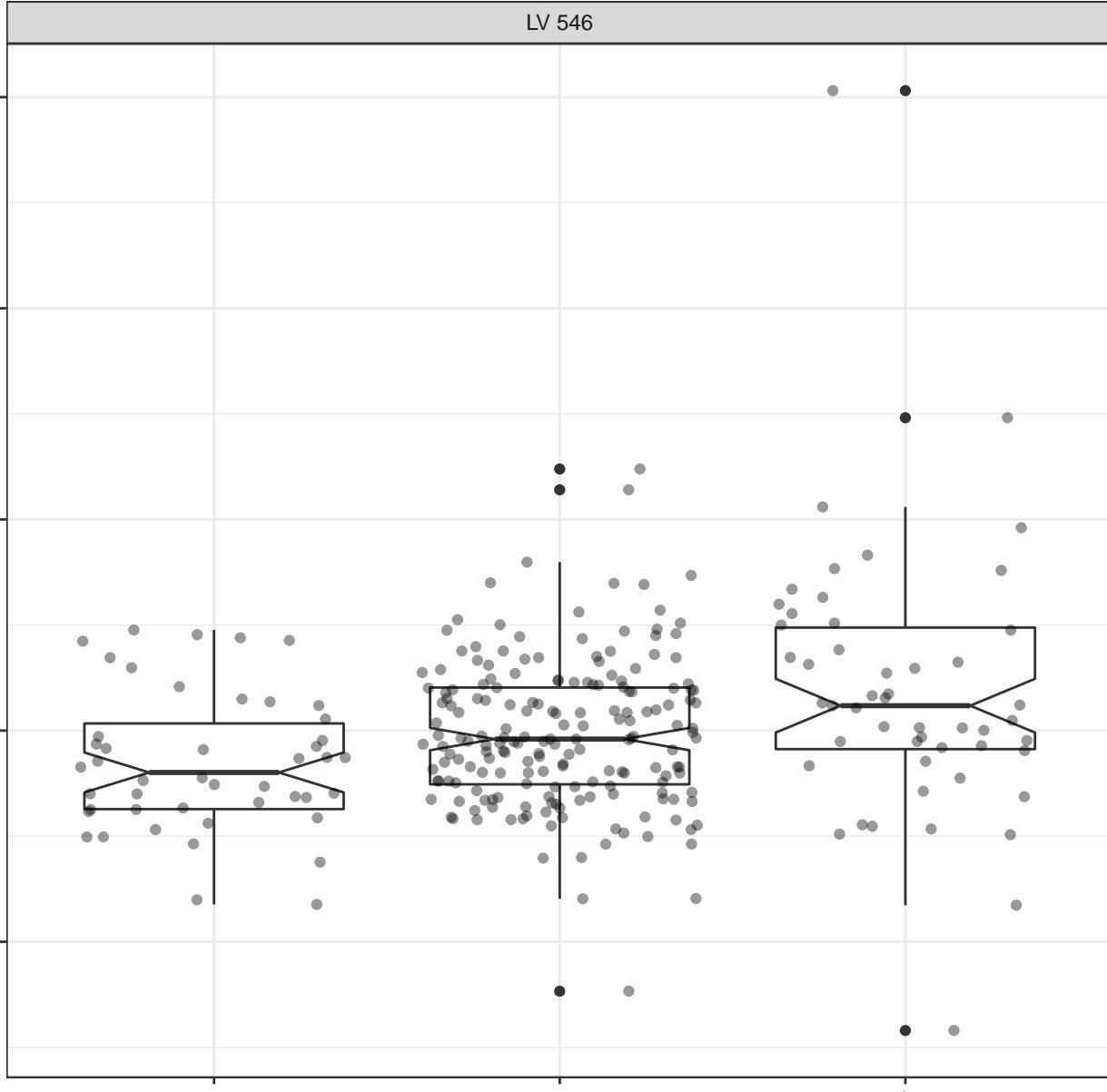
-0.1

Group 3

Group 4

SHH

subgroup



LV 547

Value

0.05

0.00

-0.05

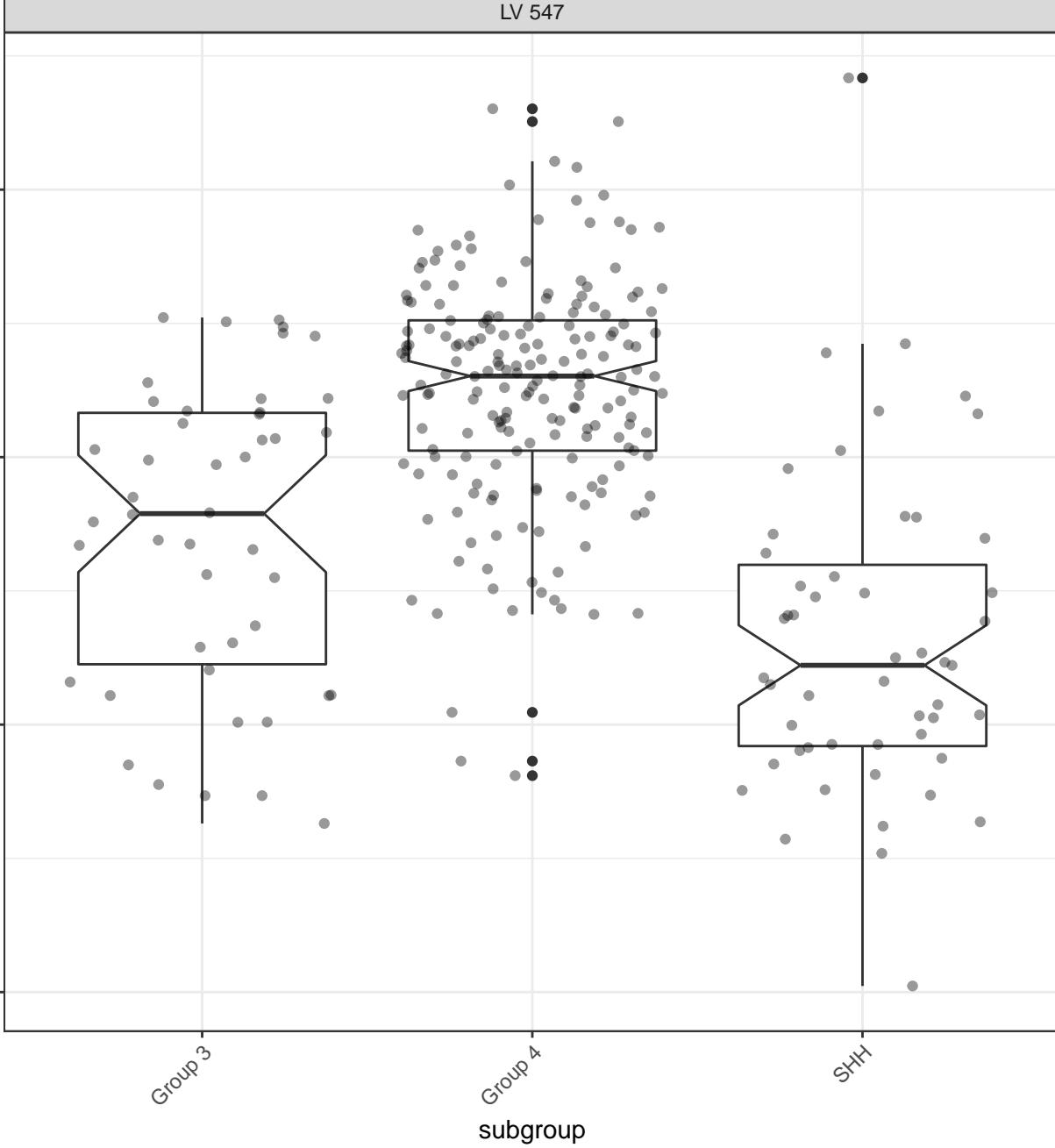
-0.10

Group 3

Group 4

SHH

subgroup



LV 548

Value

0.10

0.05

0.00

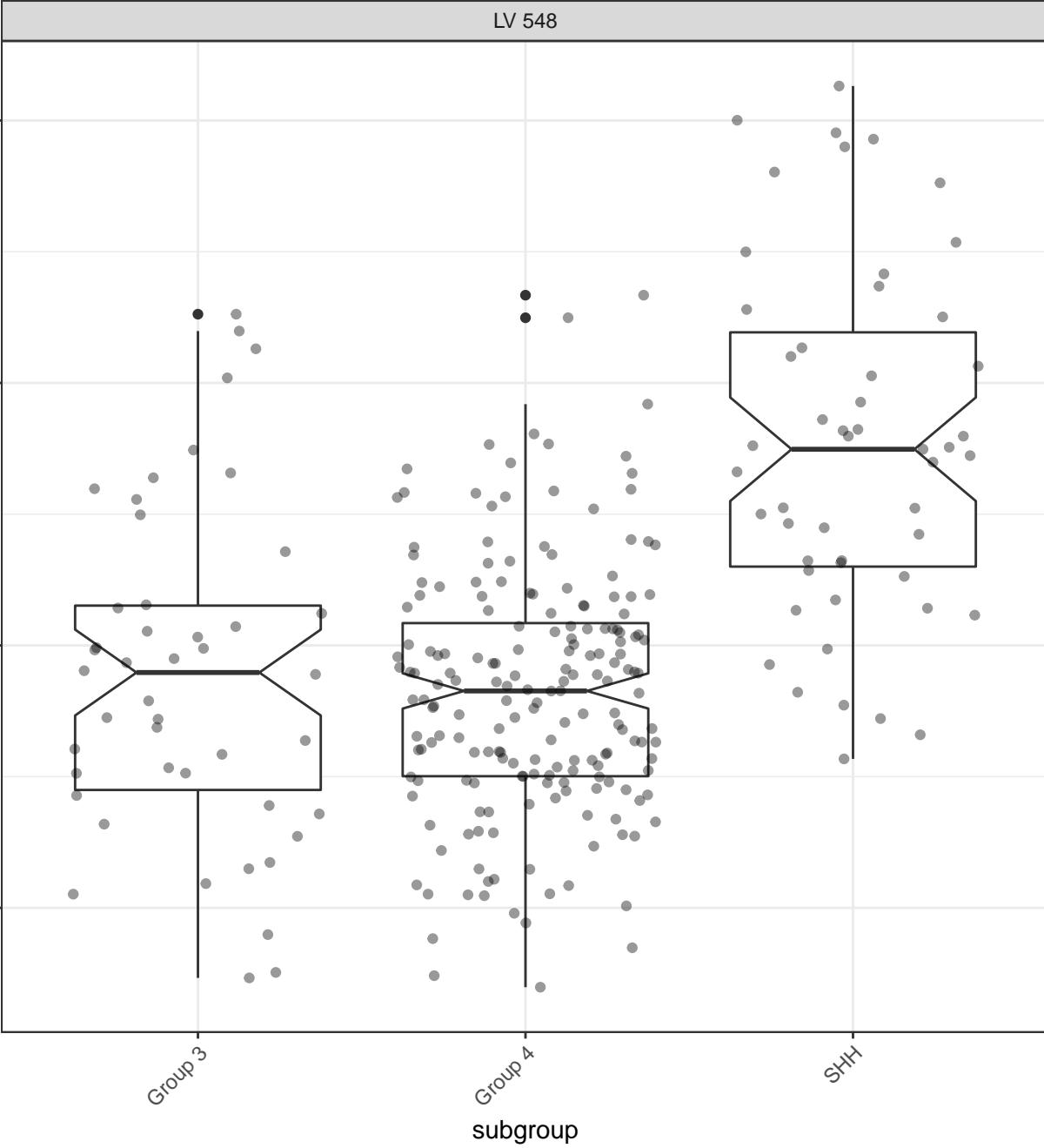
-0.05

Group 3

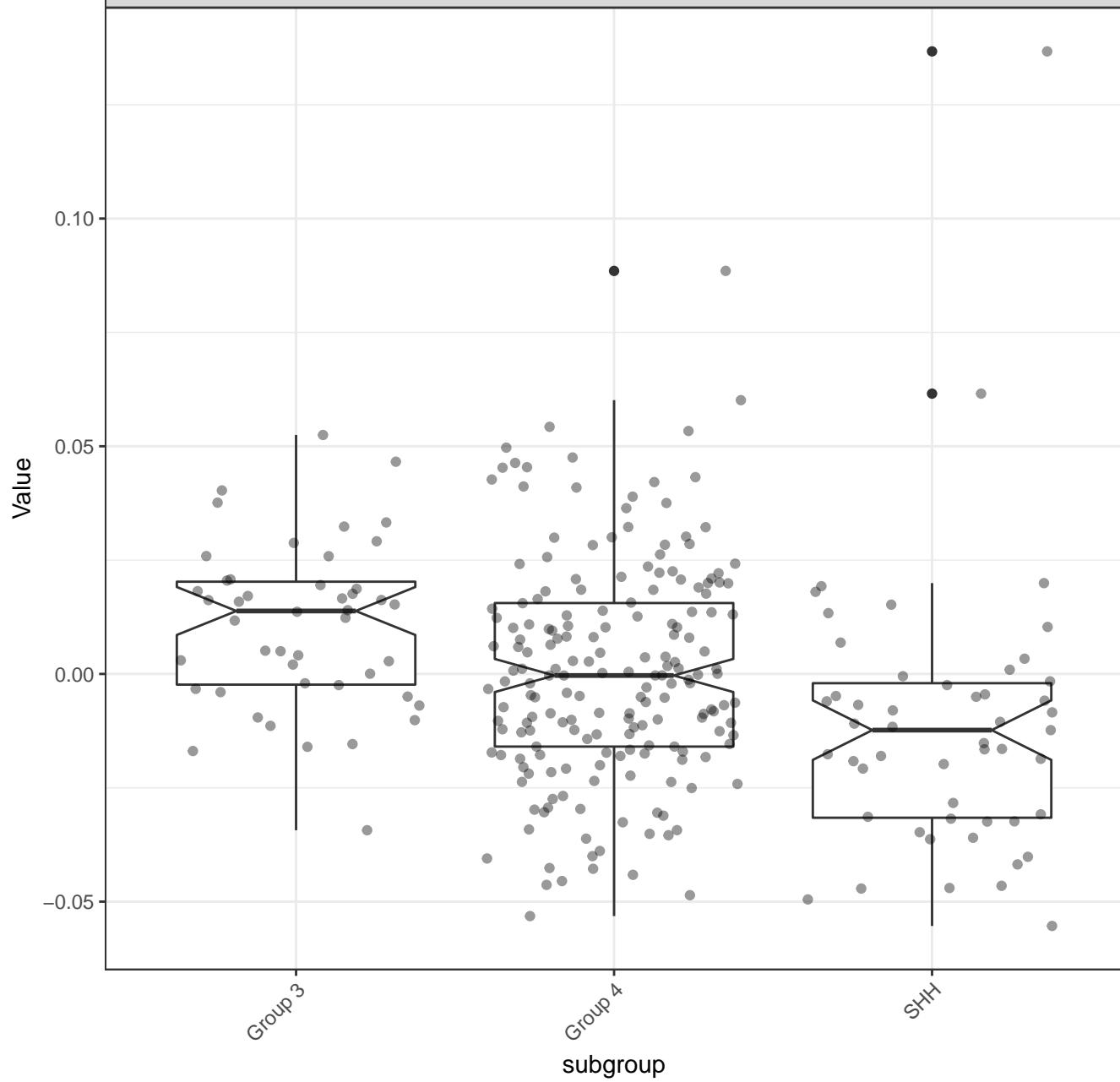
subgroup

Group 4

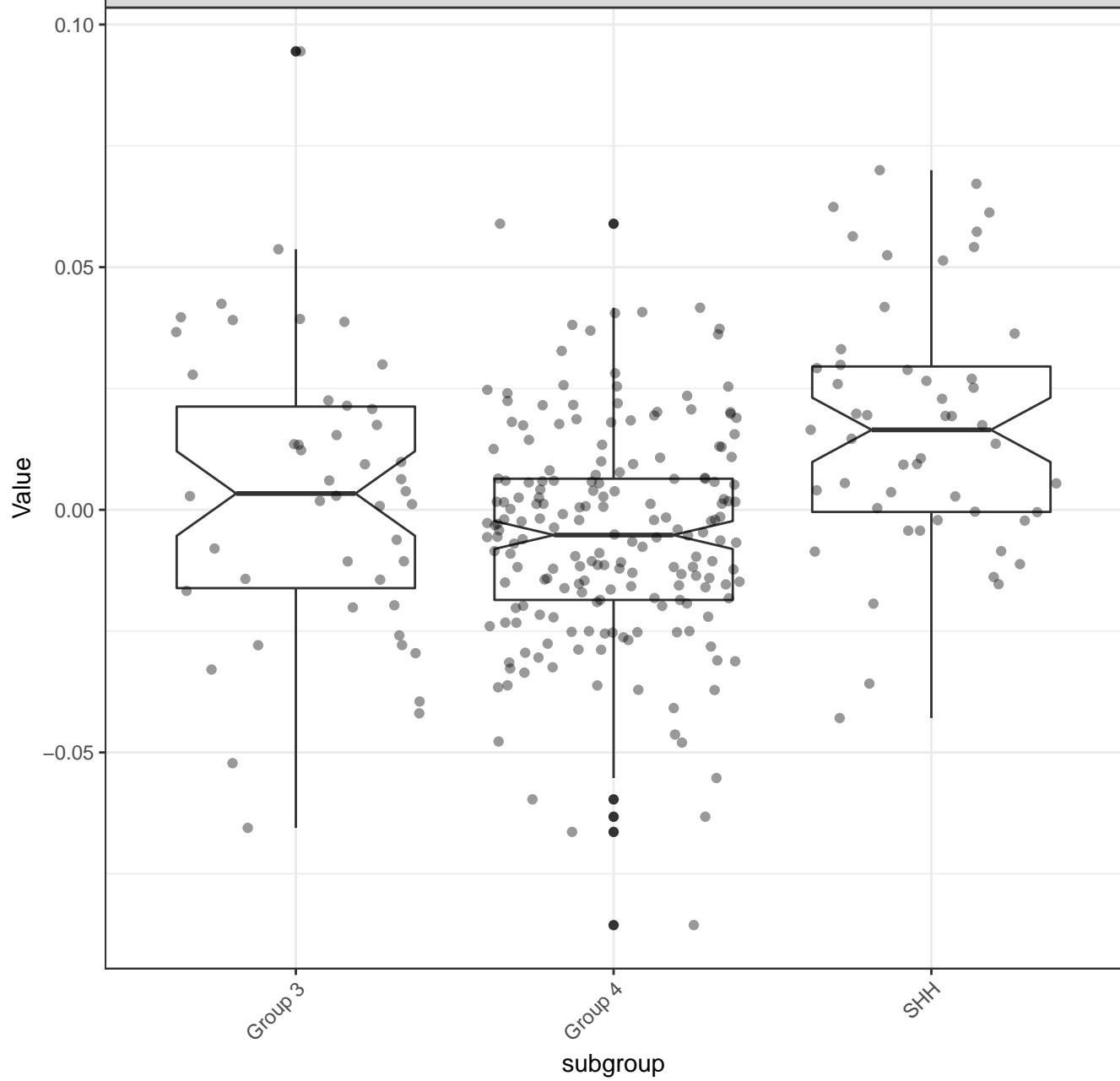
SHH



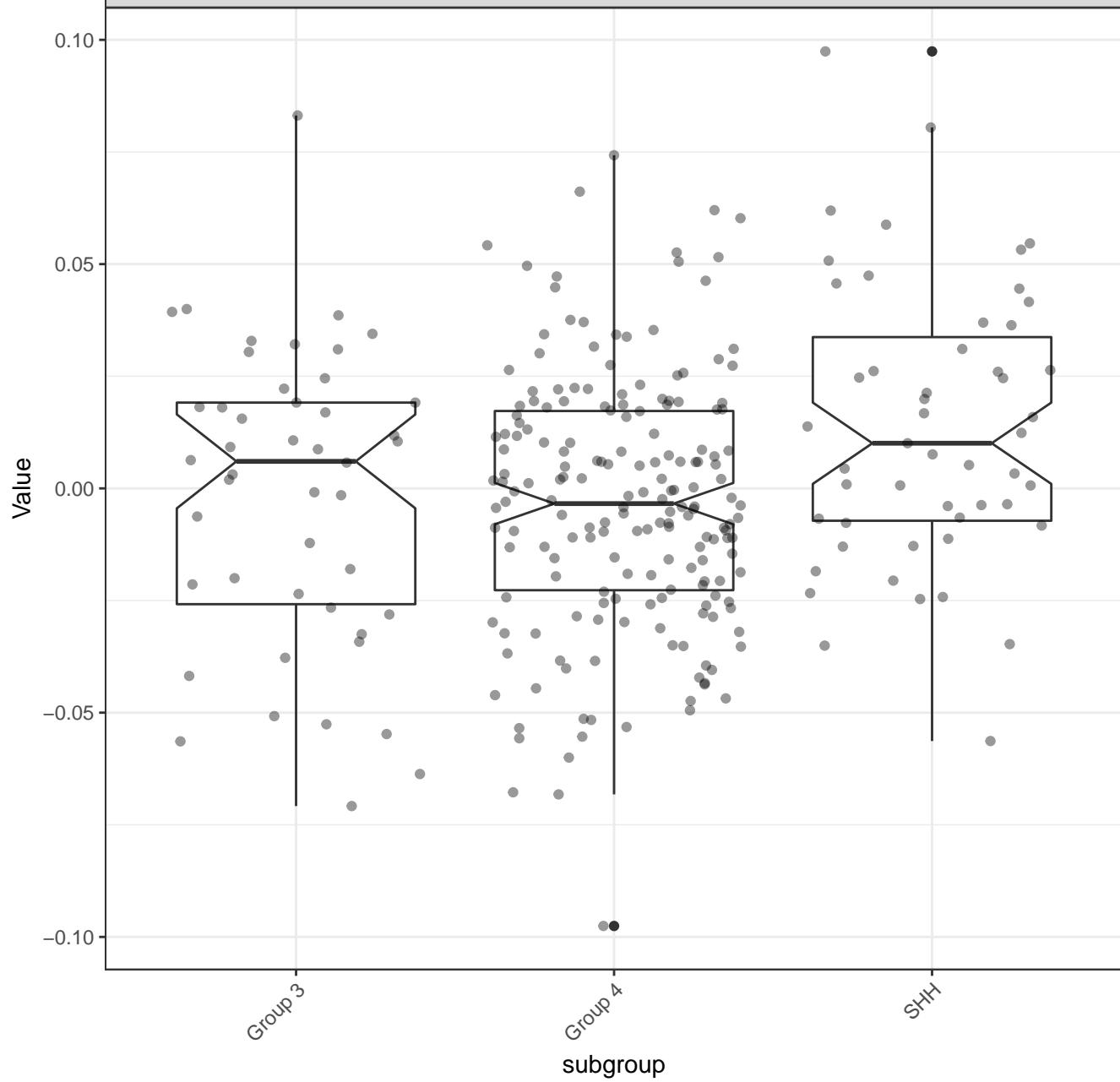
LV 549



LV 550



LV 551



LV 552

Value

0.05

0.00

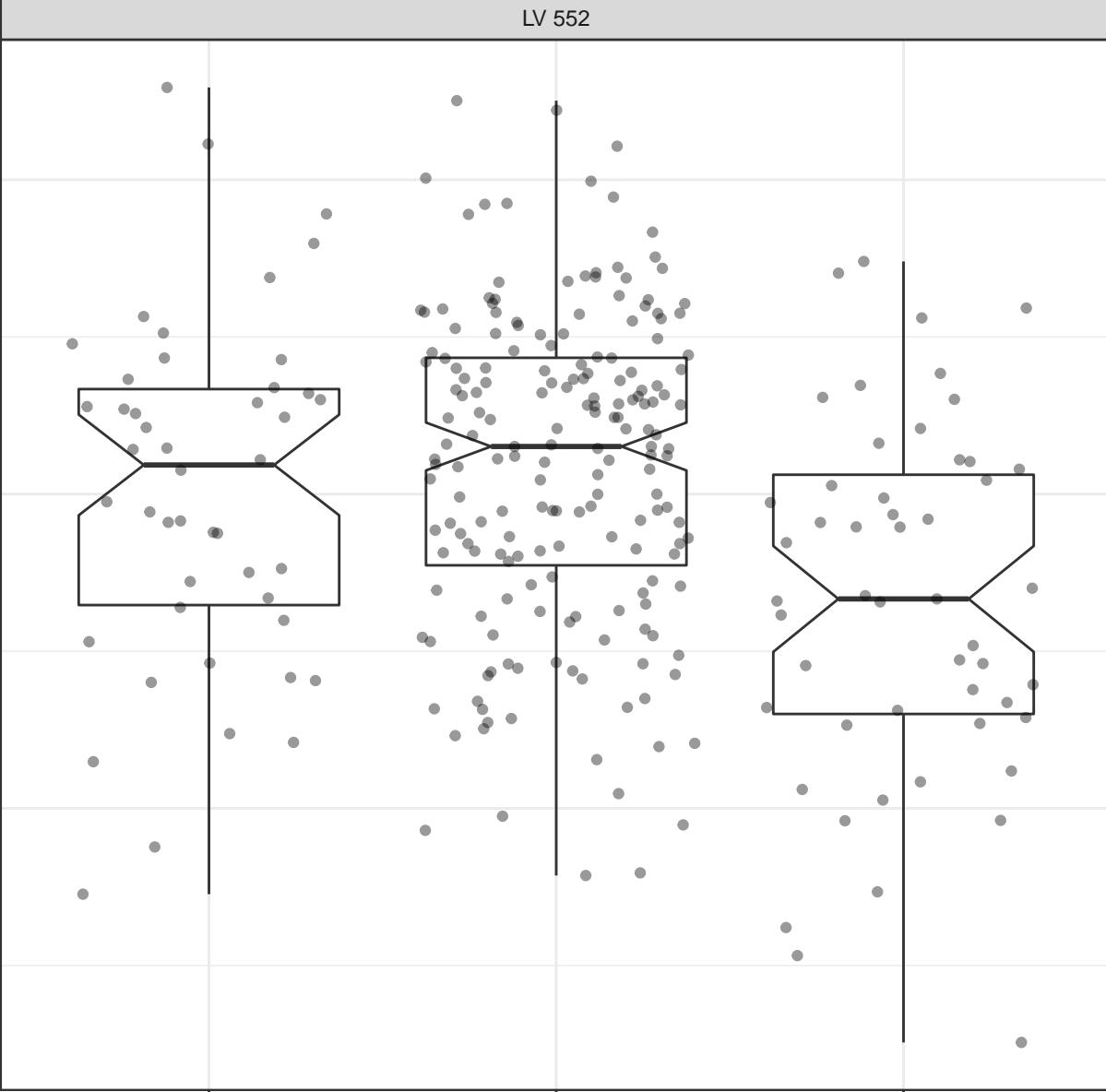
-0.05

Group 3

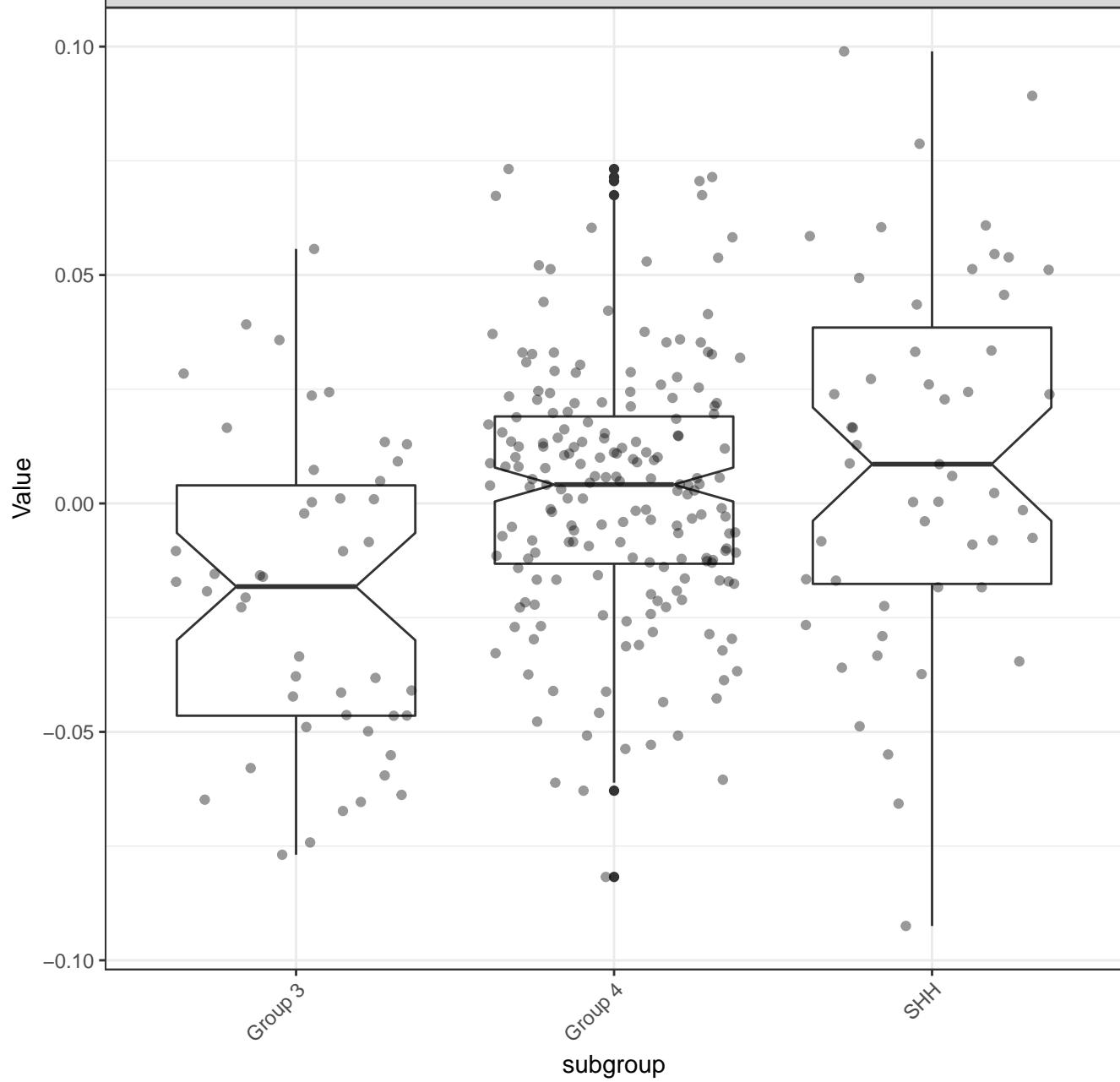
subgroup

Group 4

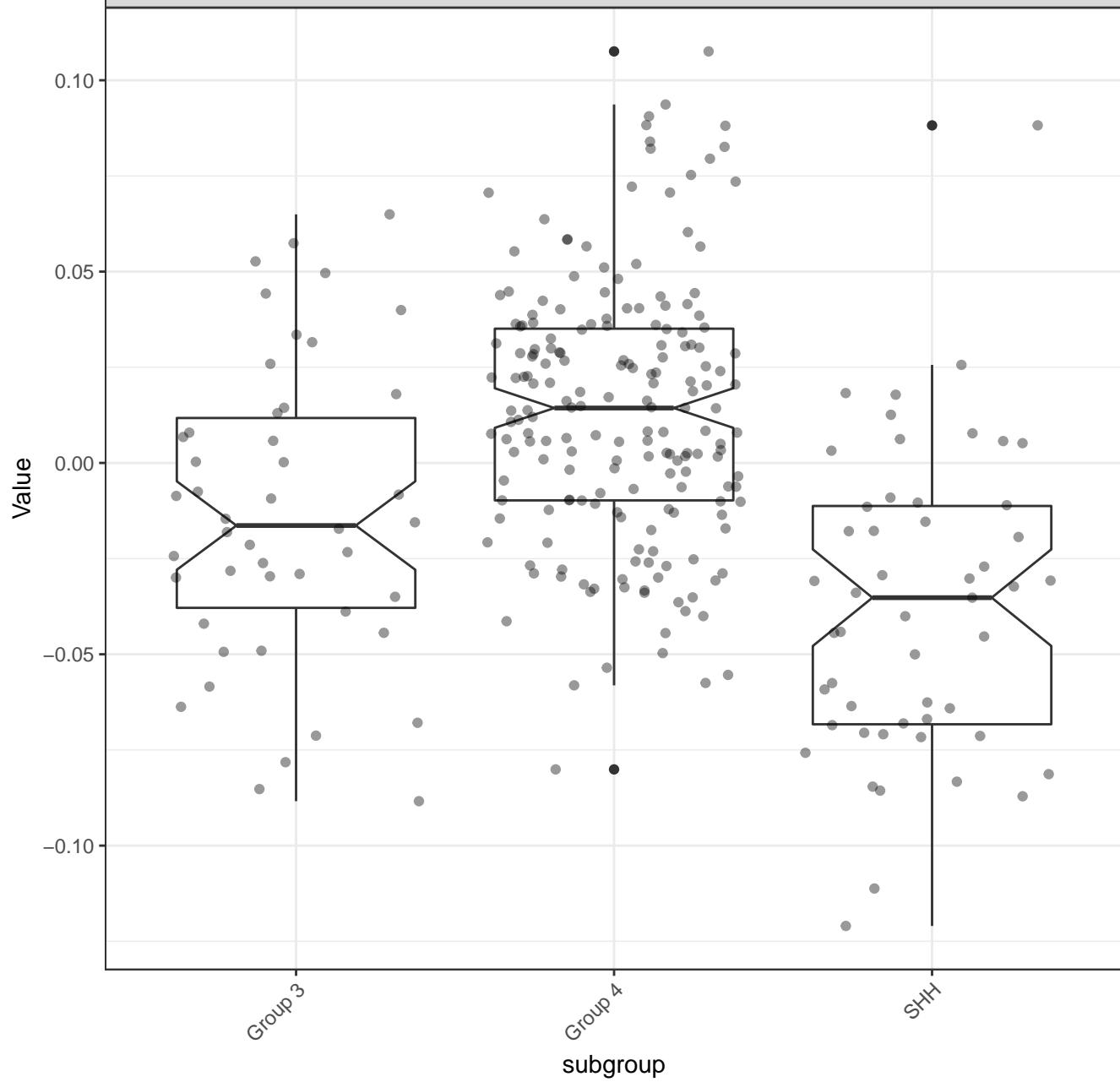
SHH



LV 553



LV 554



LV 555

Value

0.05

0.00

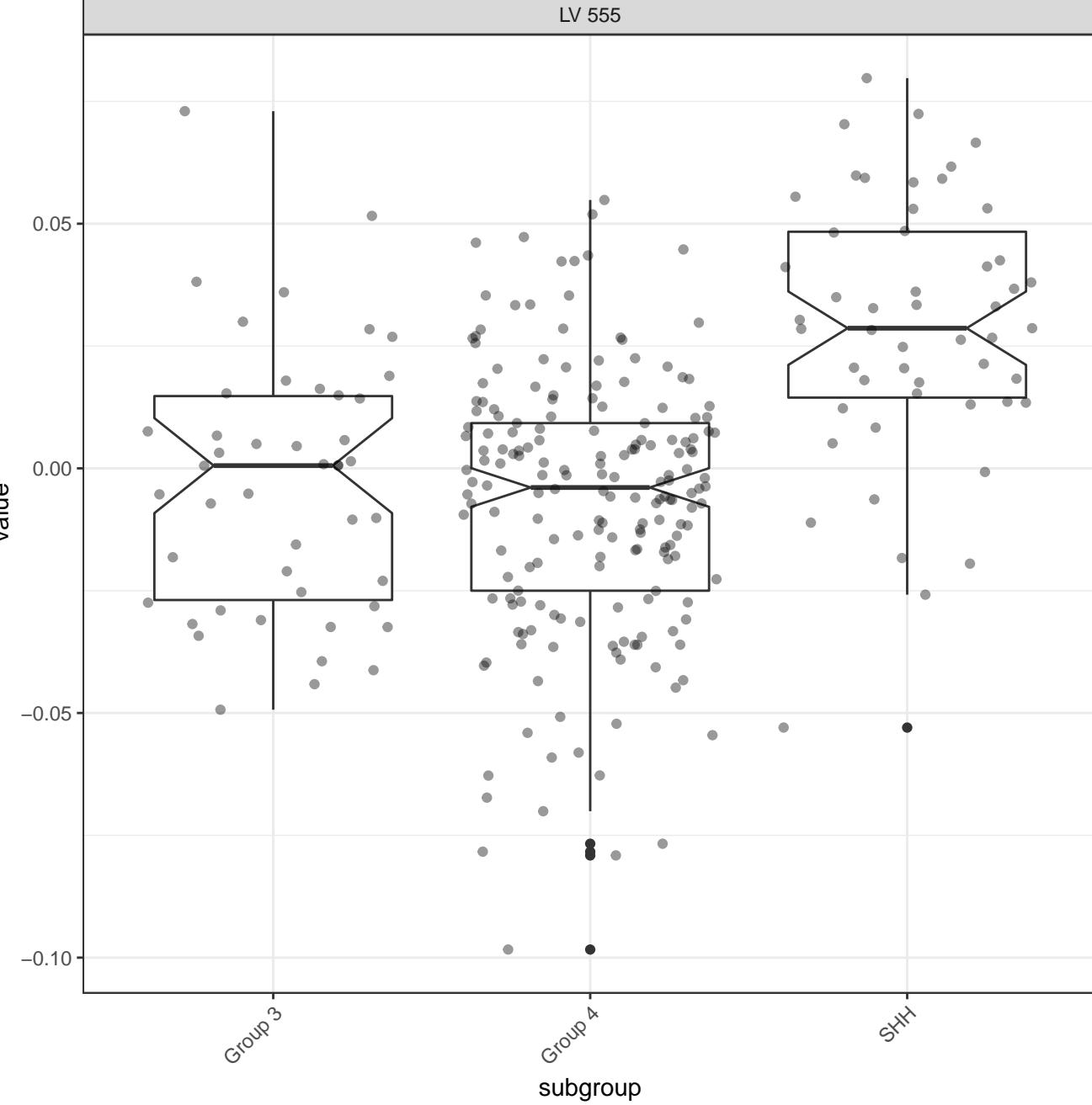
-0.05

-0.10

Group 3

subgroup

SHH



Value

0.10

0.05

0.00

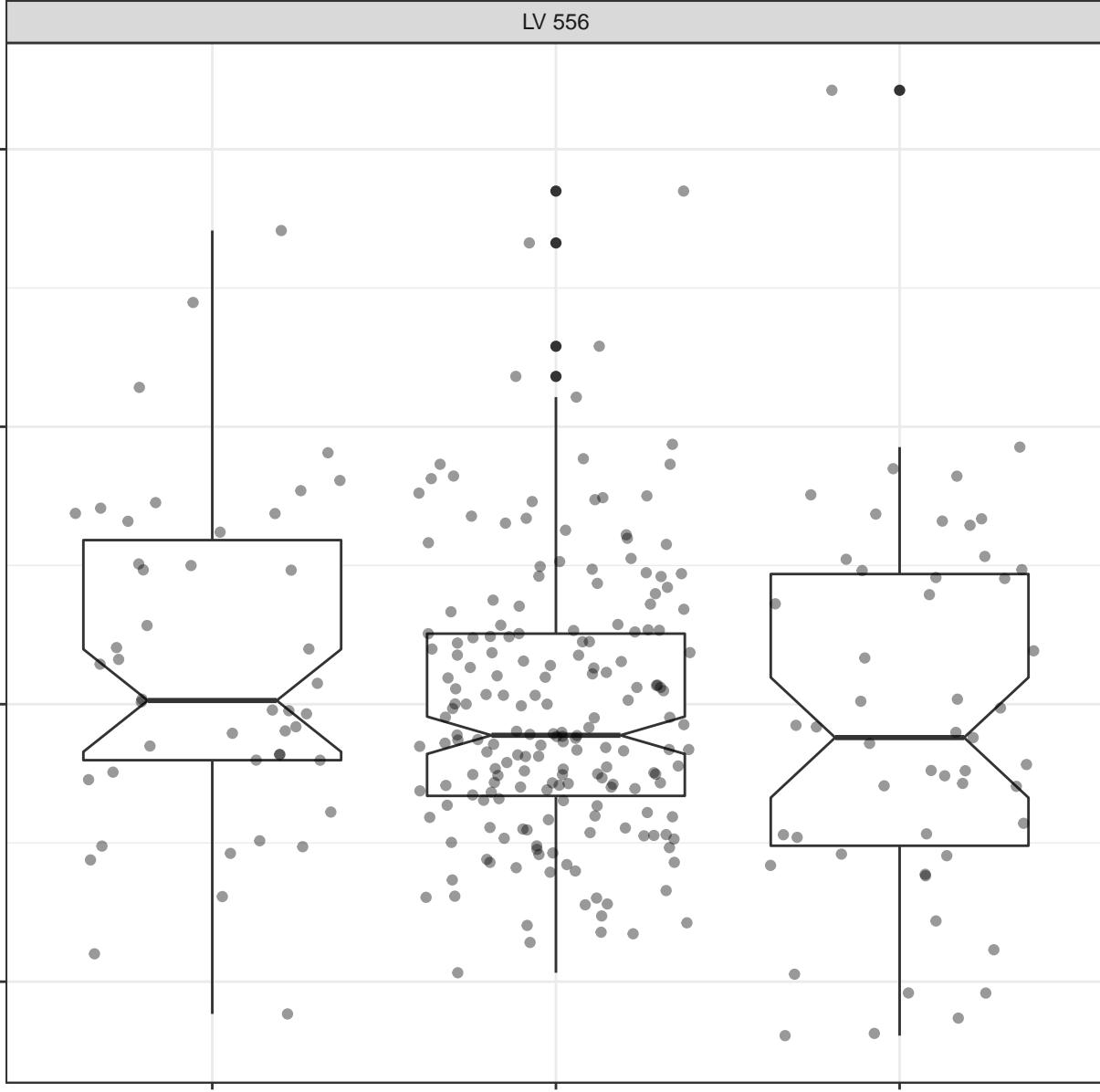
-0.05

Group 3

subgroup

Group 4

SHH



557,SVM Dendritic cells resting

Value

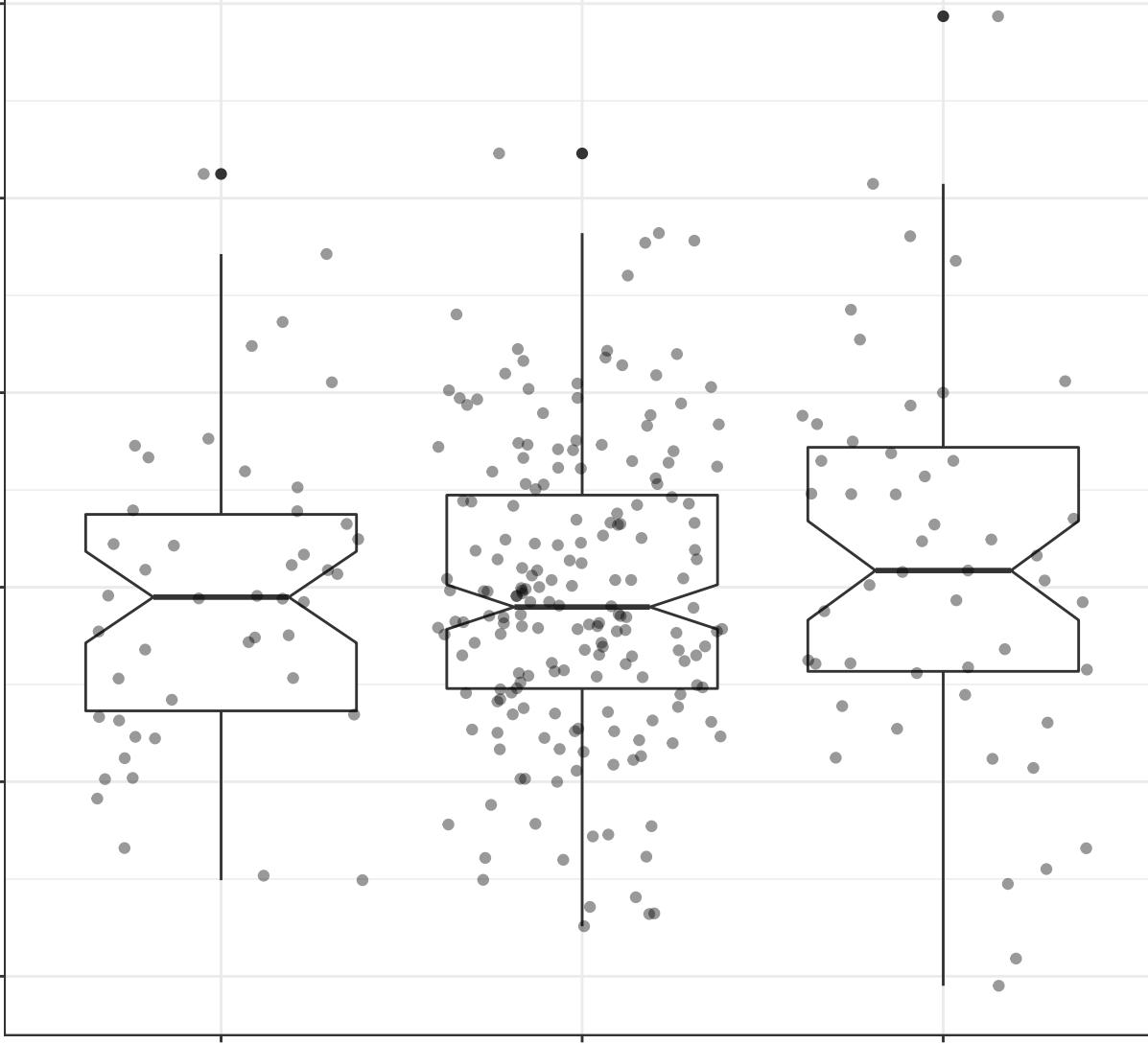
0.15
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 558

Value

0.10

0.05

0.00

-0.05

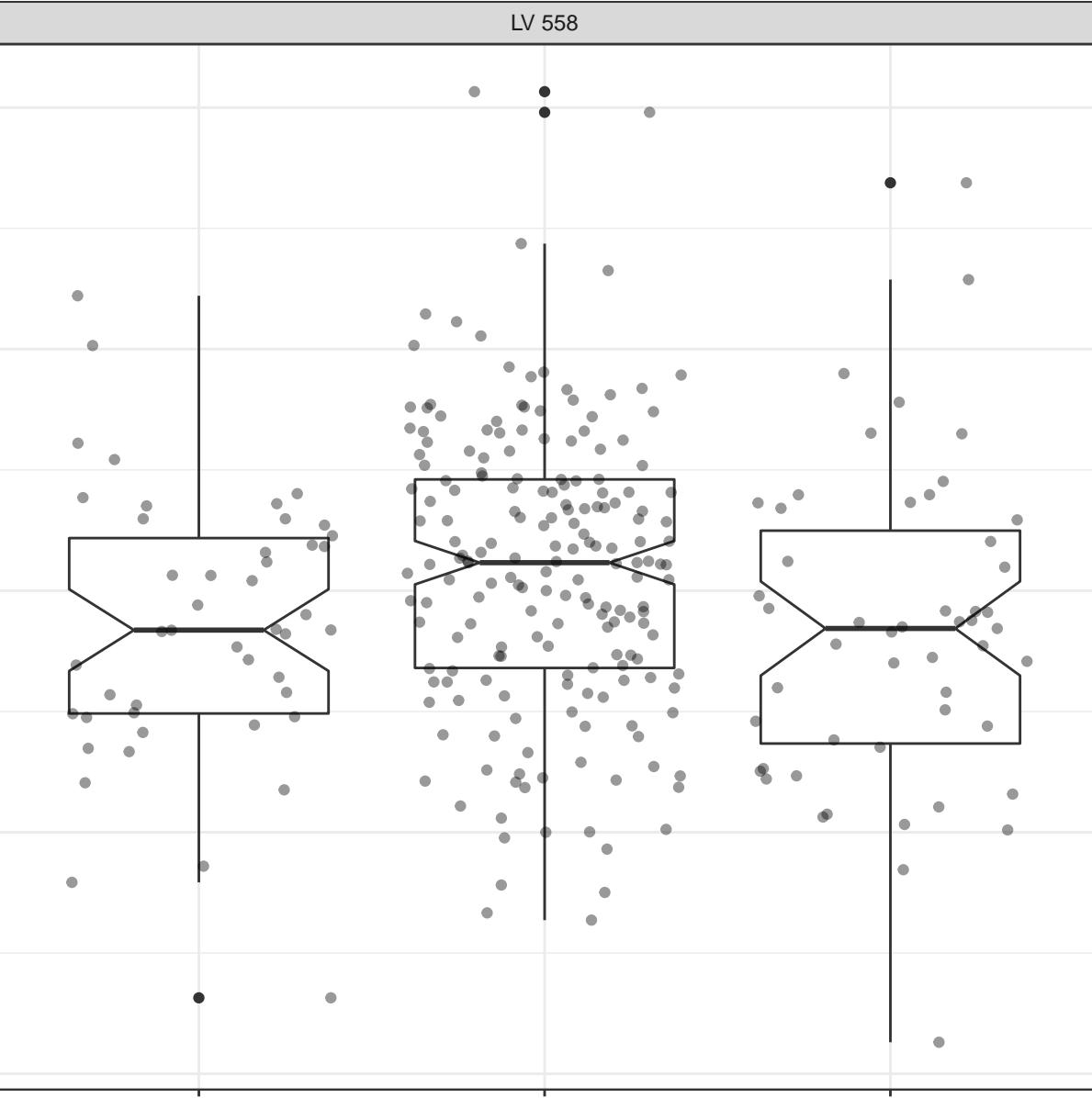
-0.10

Group 3

Group 4

SHH

subgroup



LV 559

Value

0.10

0.05

0.00

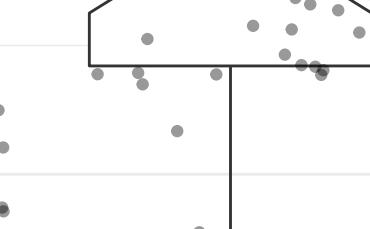
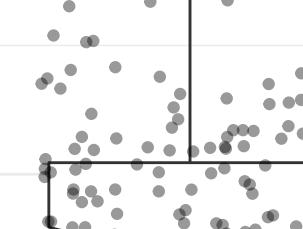
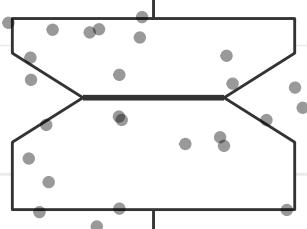
-0.05

-0.10

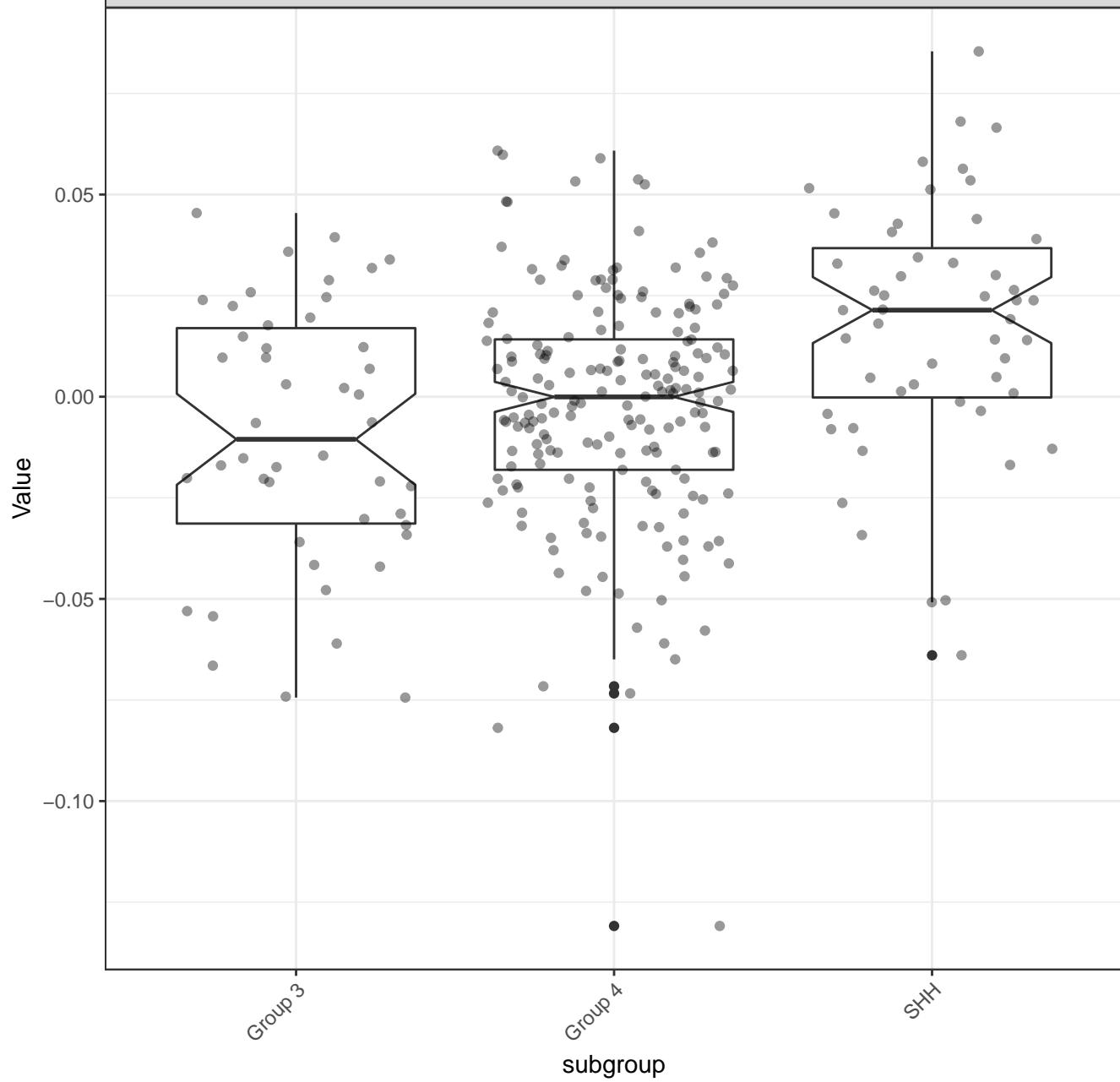
Group 3

subgroup

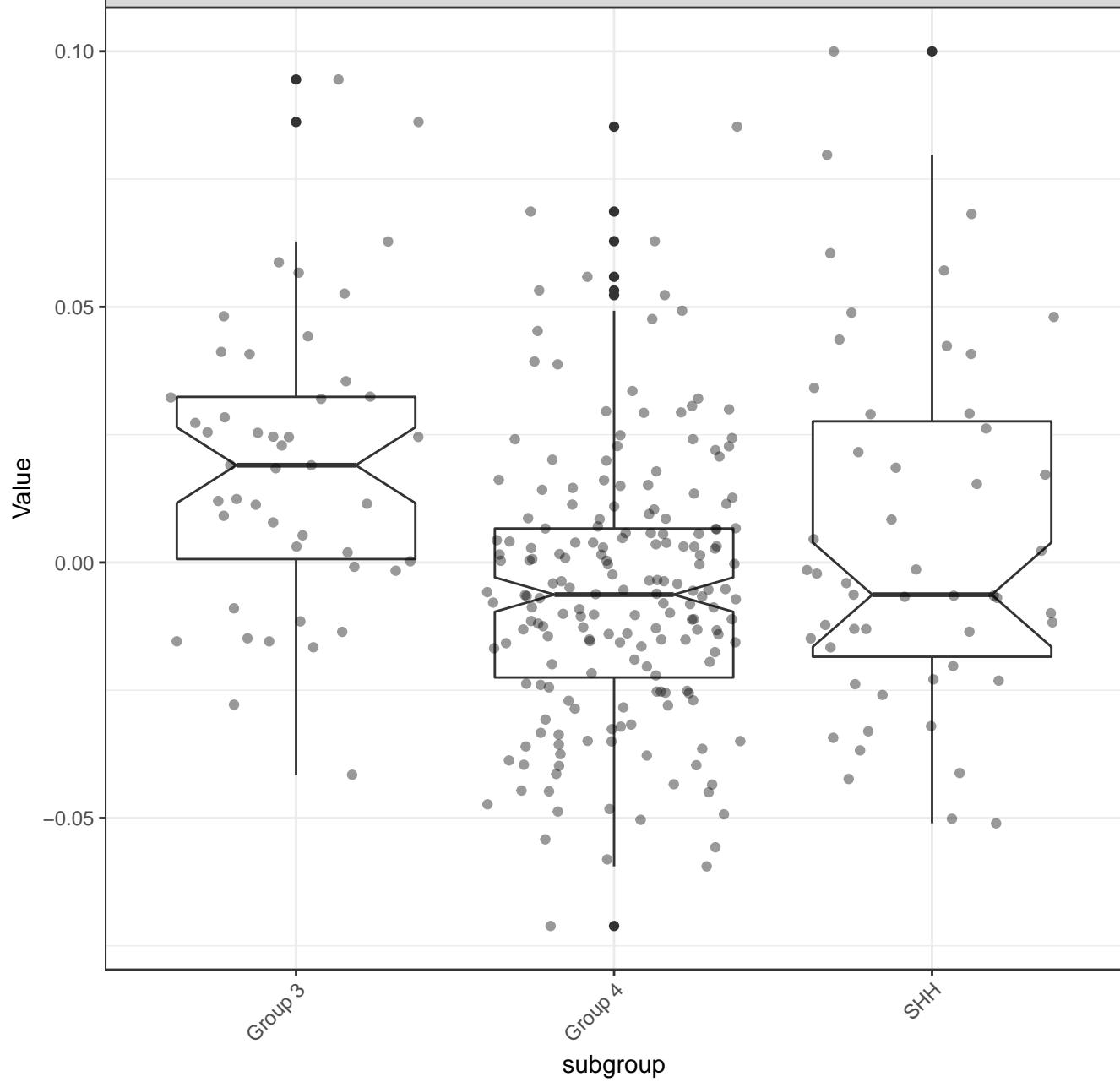
SHH



LV 560



LV 561



LV 562

Value

0.05

0.00

-0.05

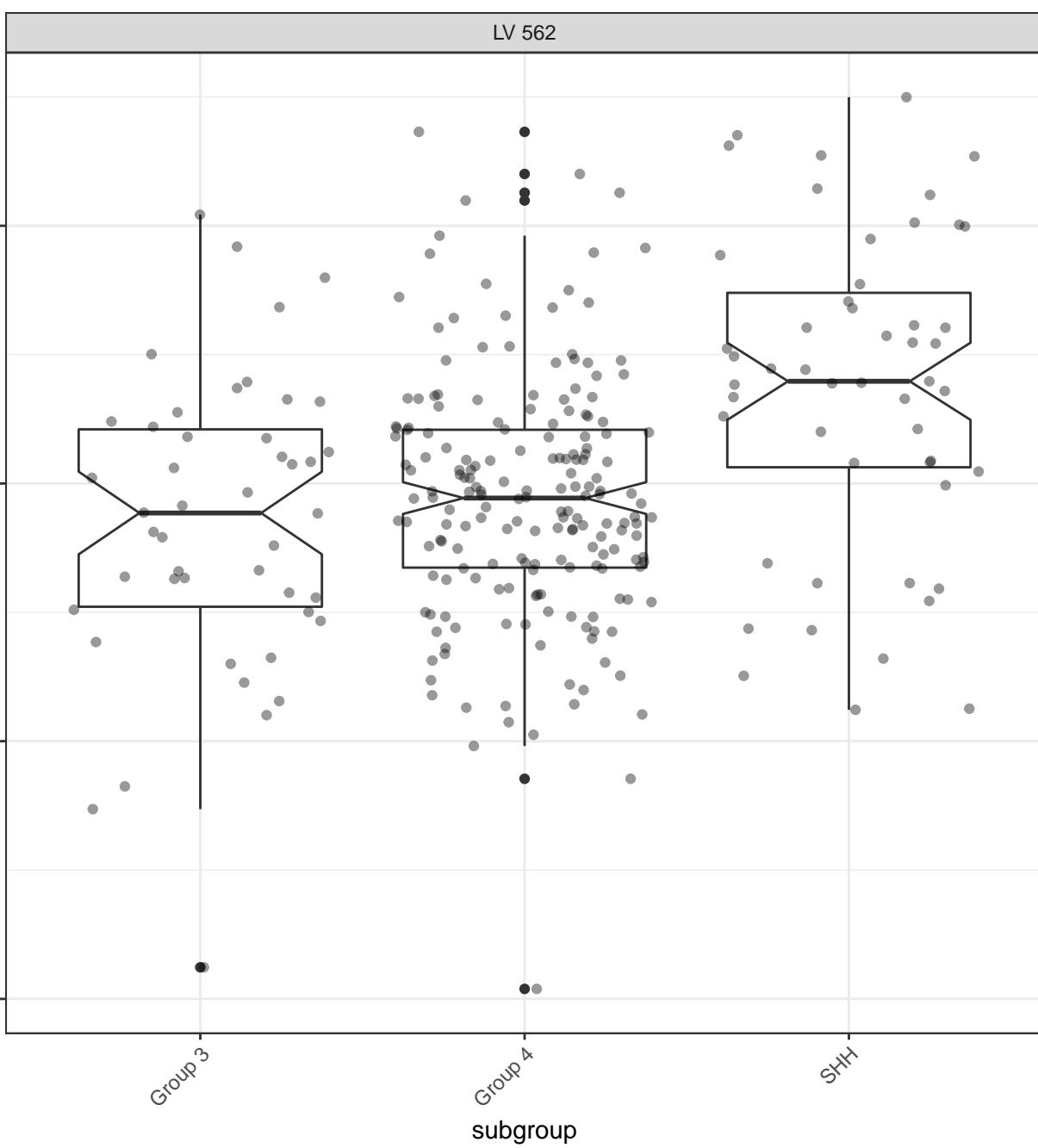
-0.10

Group 3

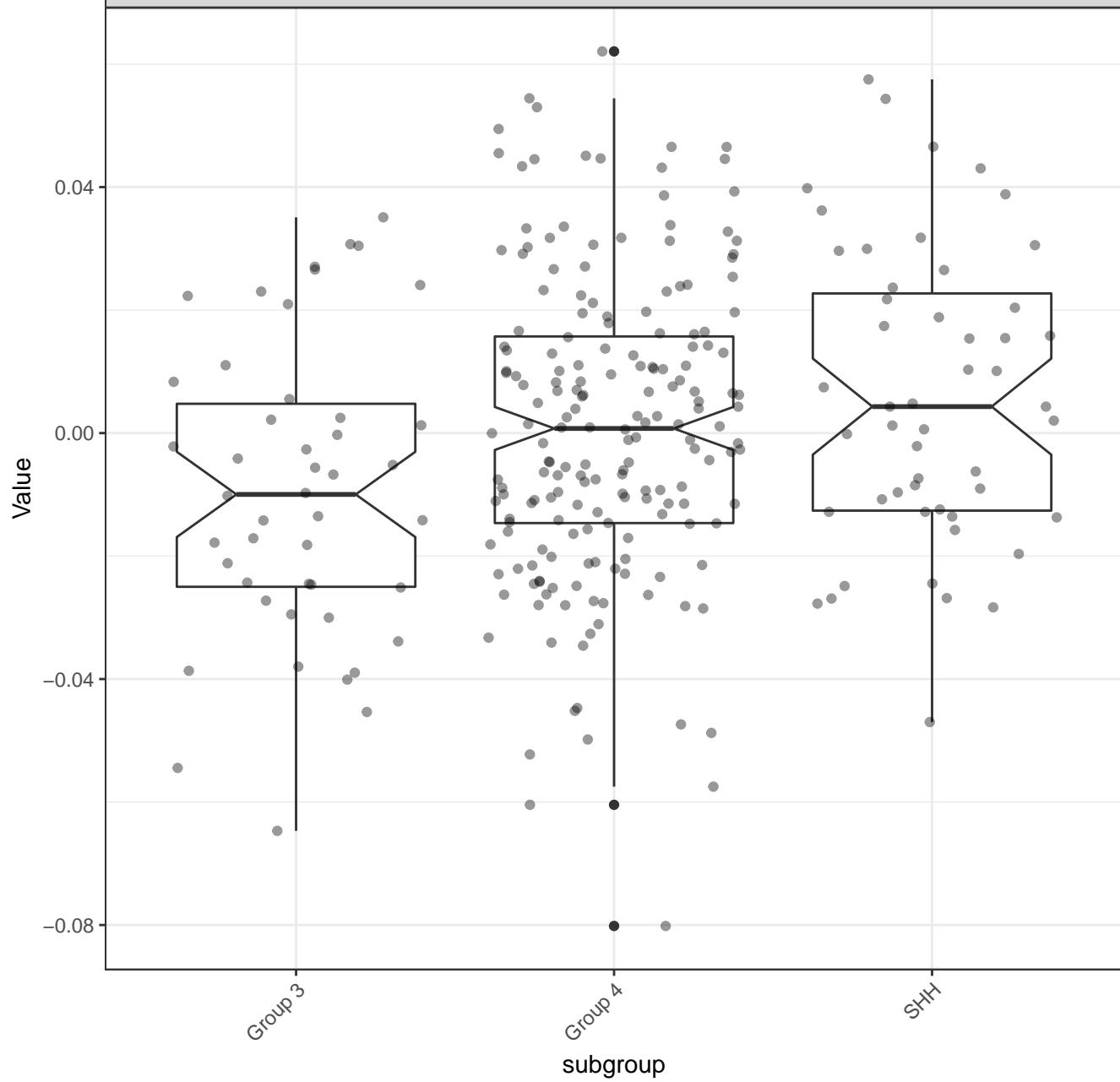
subgroup

Group 4

SHH



LV 563



LV 564

Value

0.2

0.1

0.0

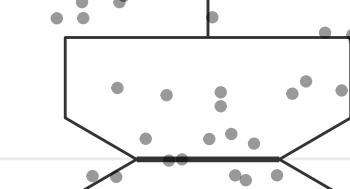
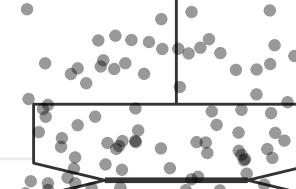
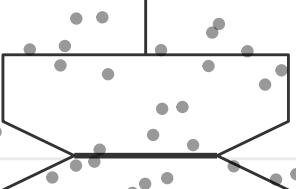
-0.1

Group 3

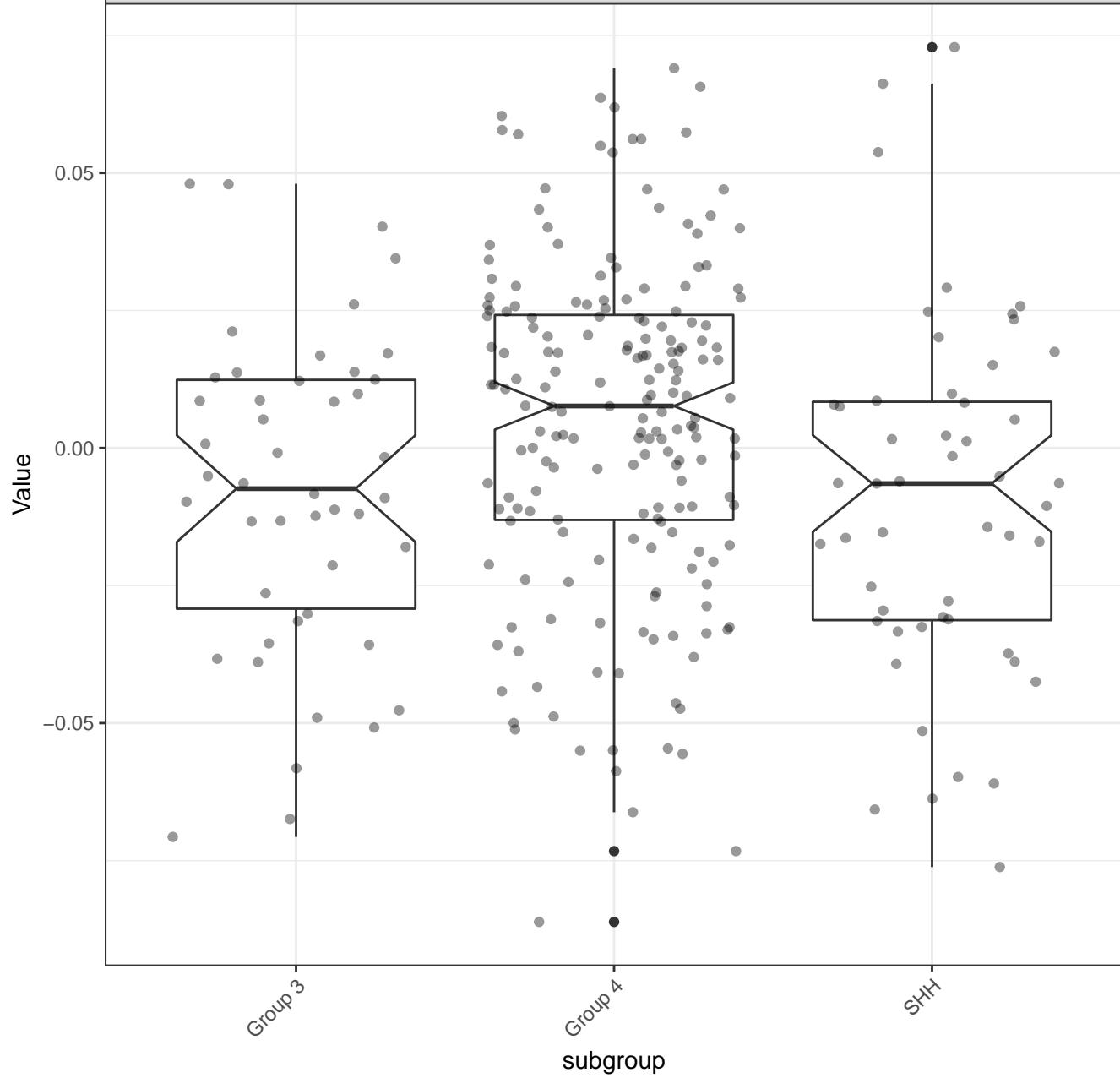
Group 4

SHH

subgroup



LV 565



Value

0.05

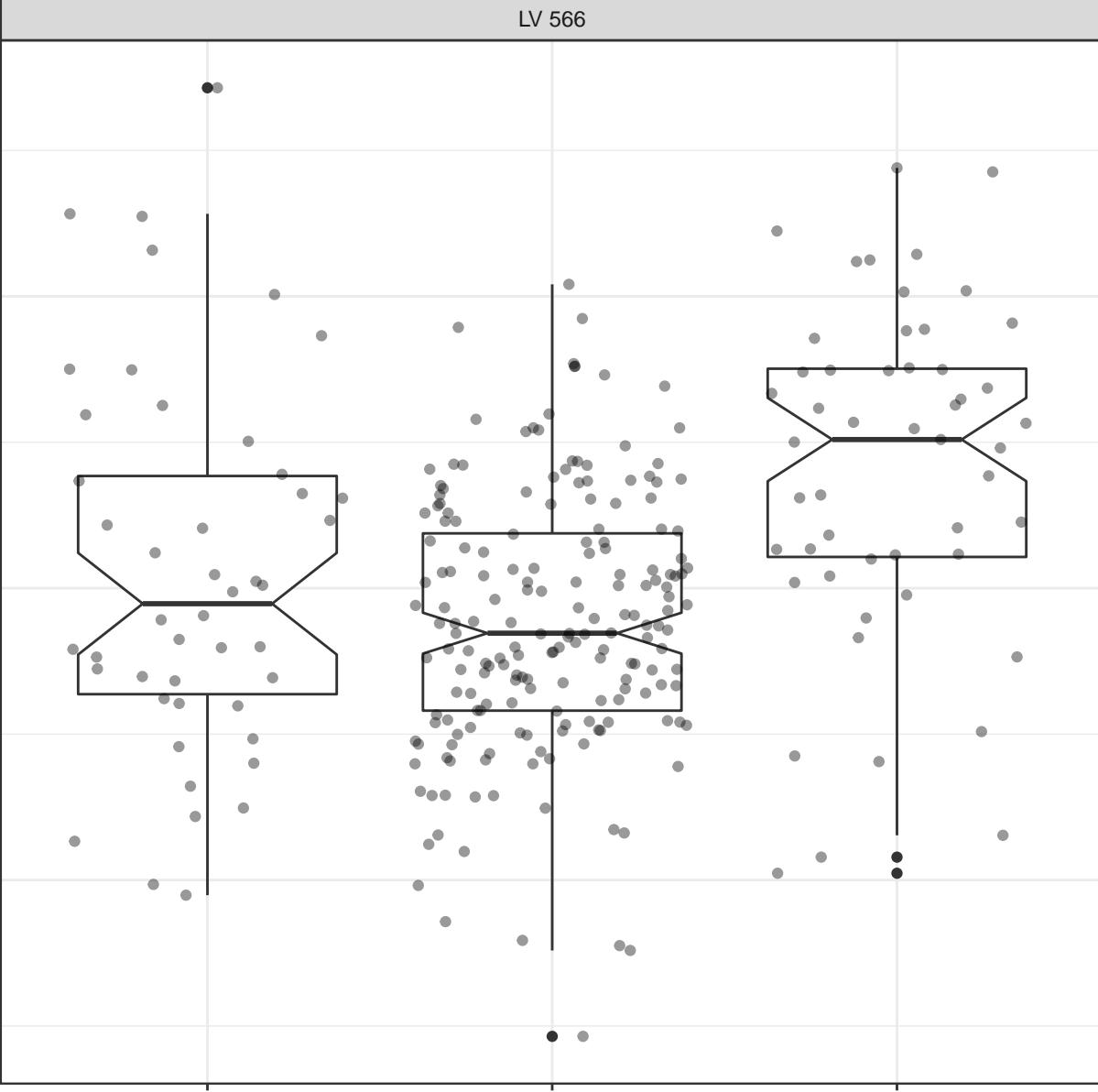
0.00

-0.05

Group 3

subgroup

SHH



LV 567

Value

0.08

0.04

0.00

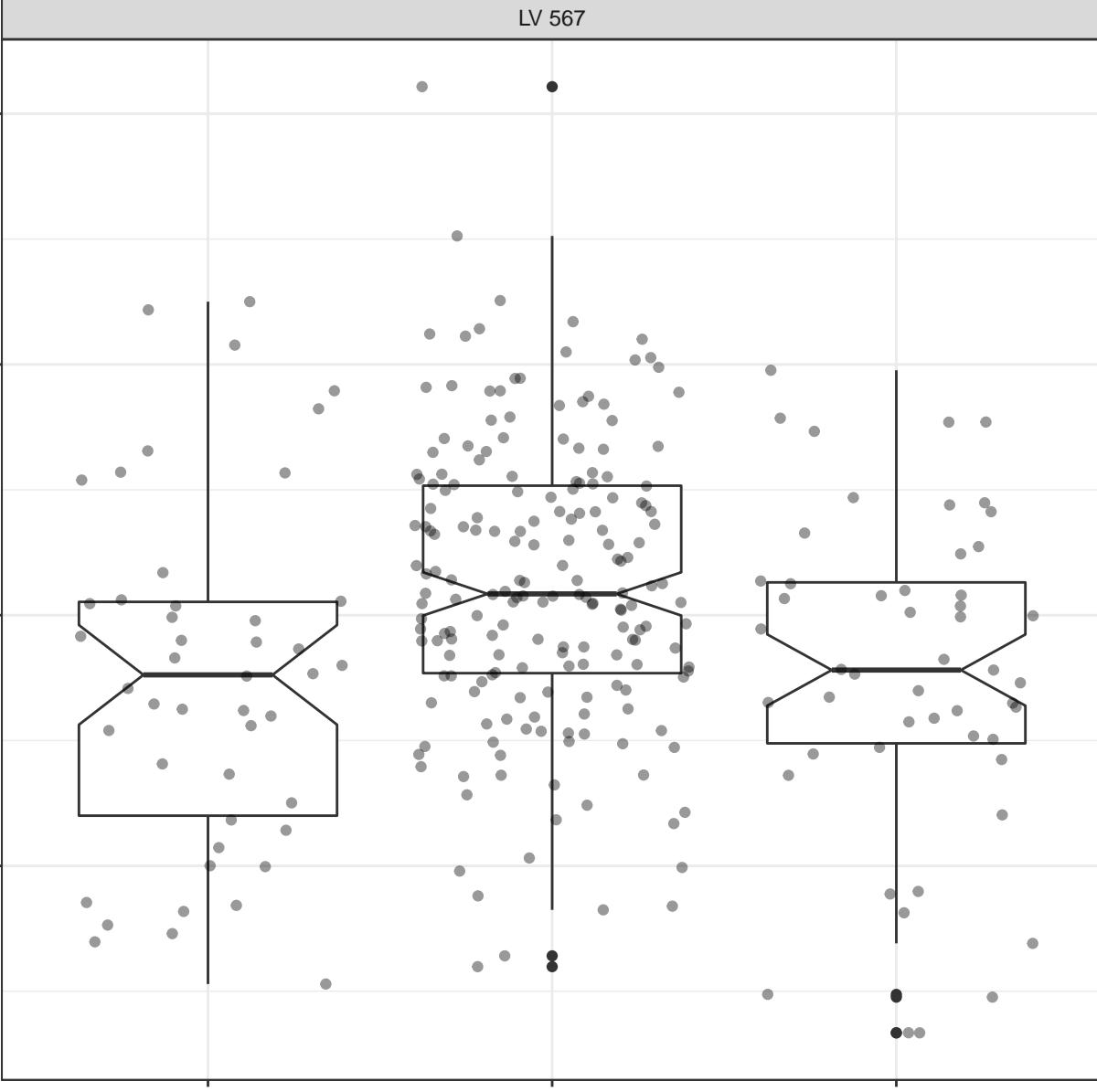
-0.04

Group 3

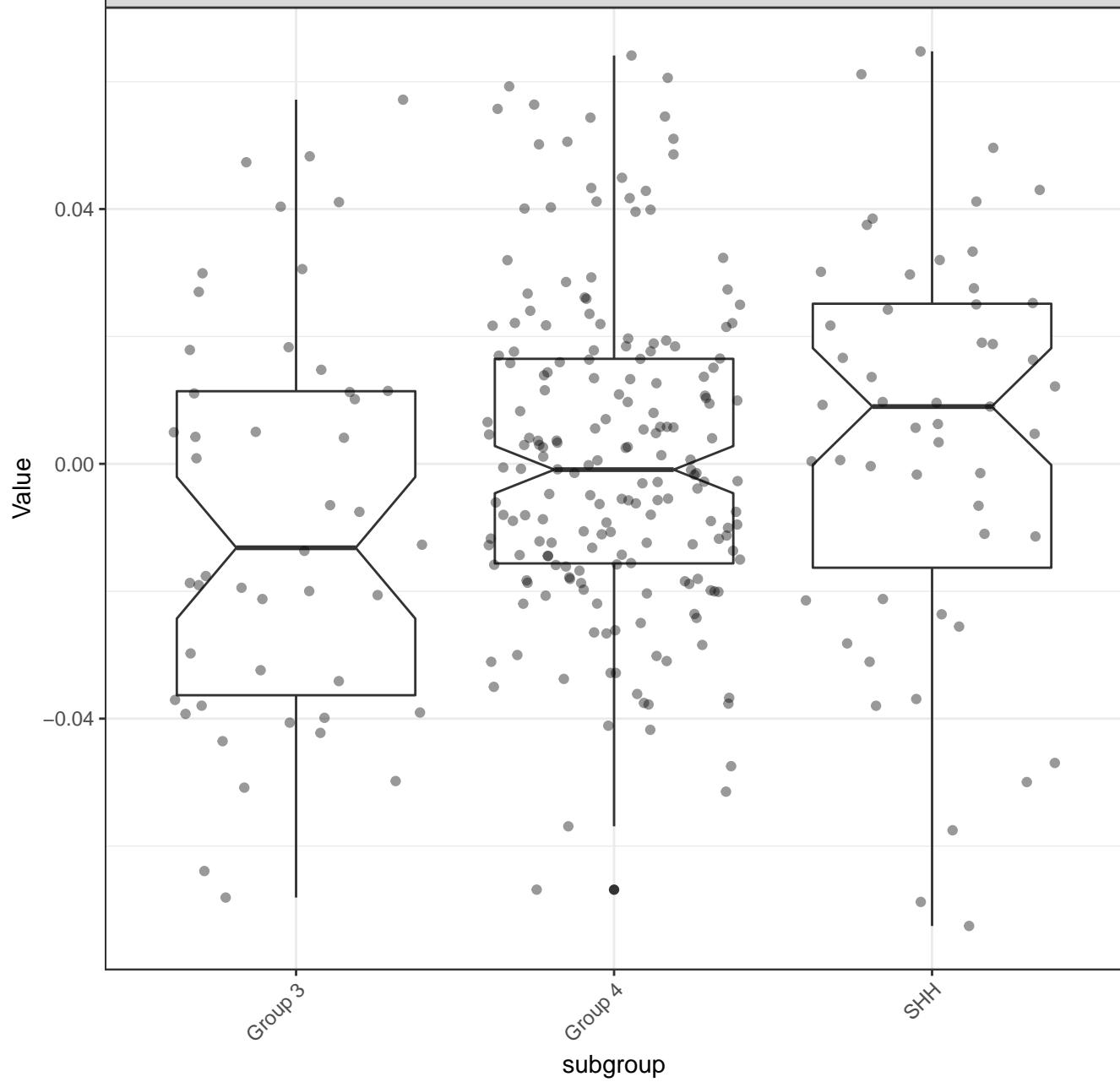
Group 4

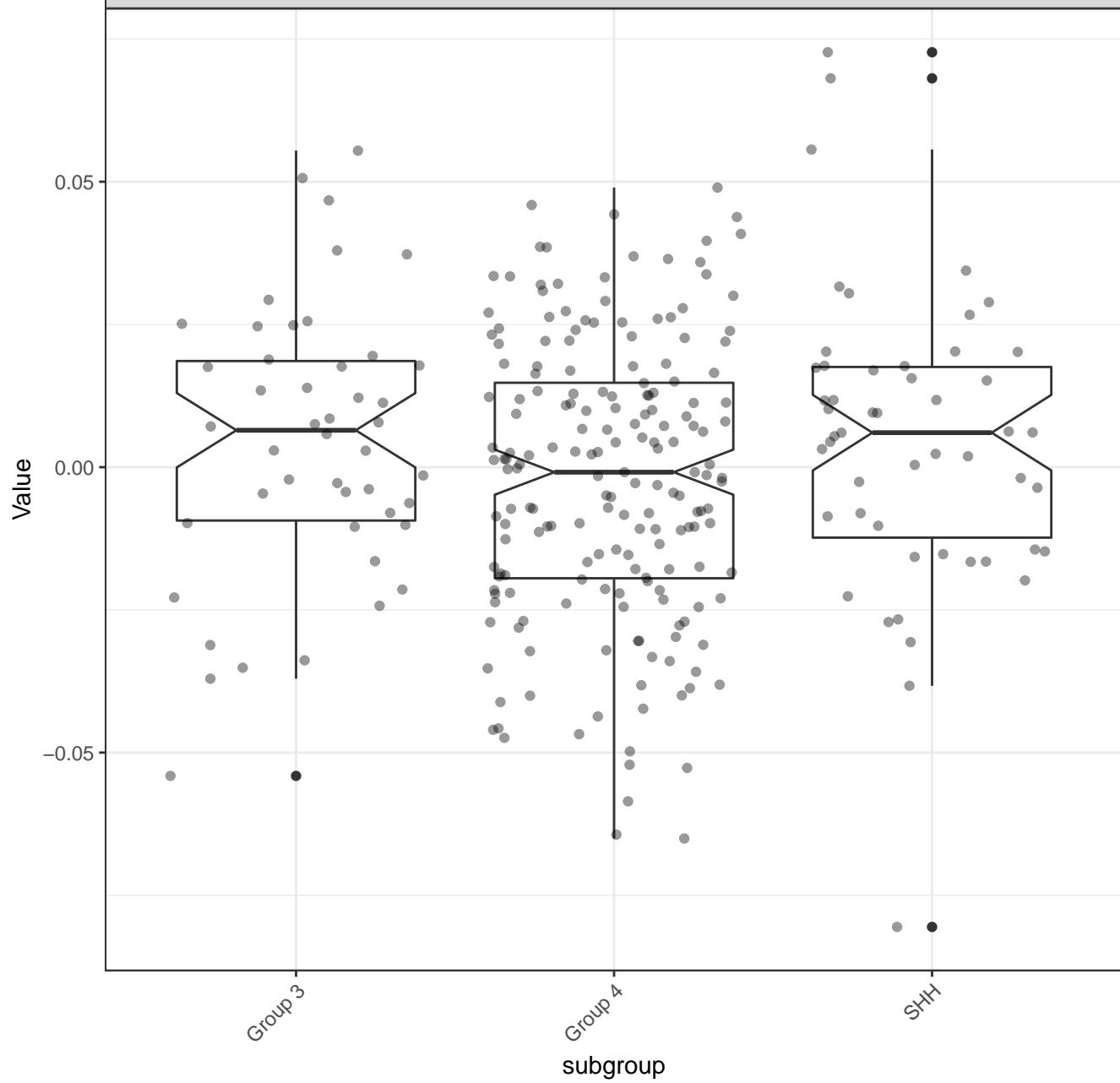
SHH

subgroup

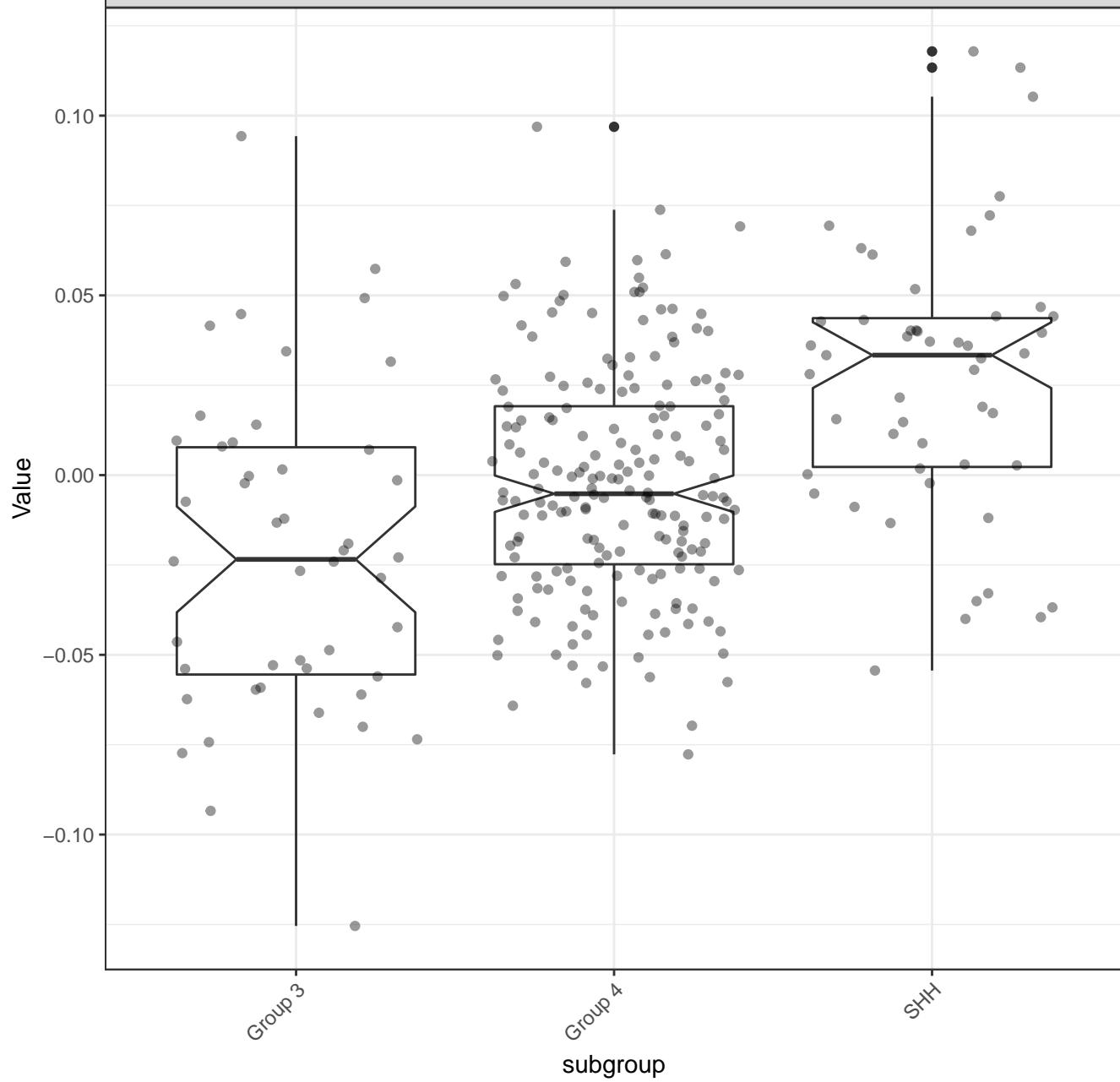


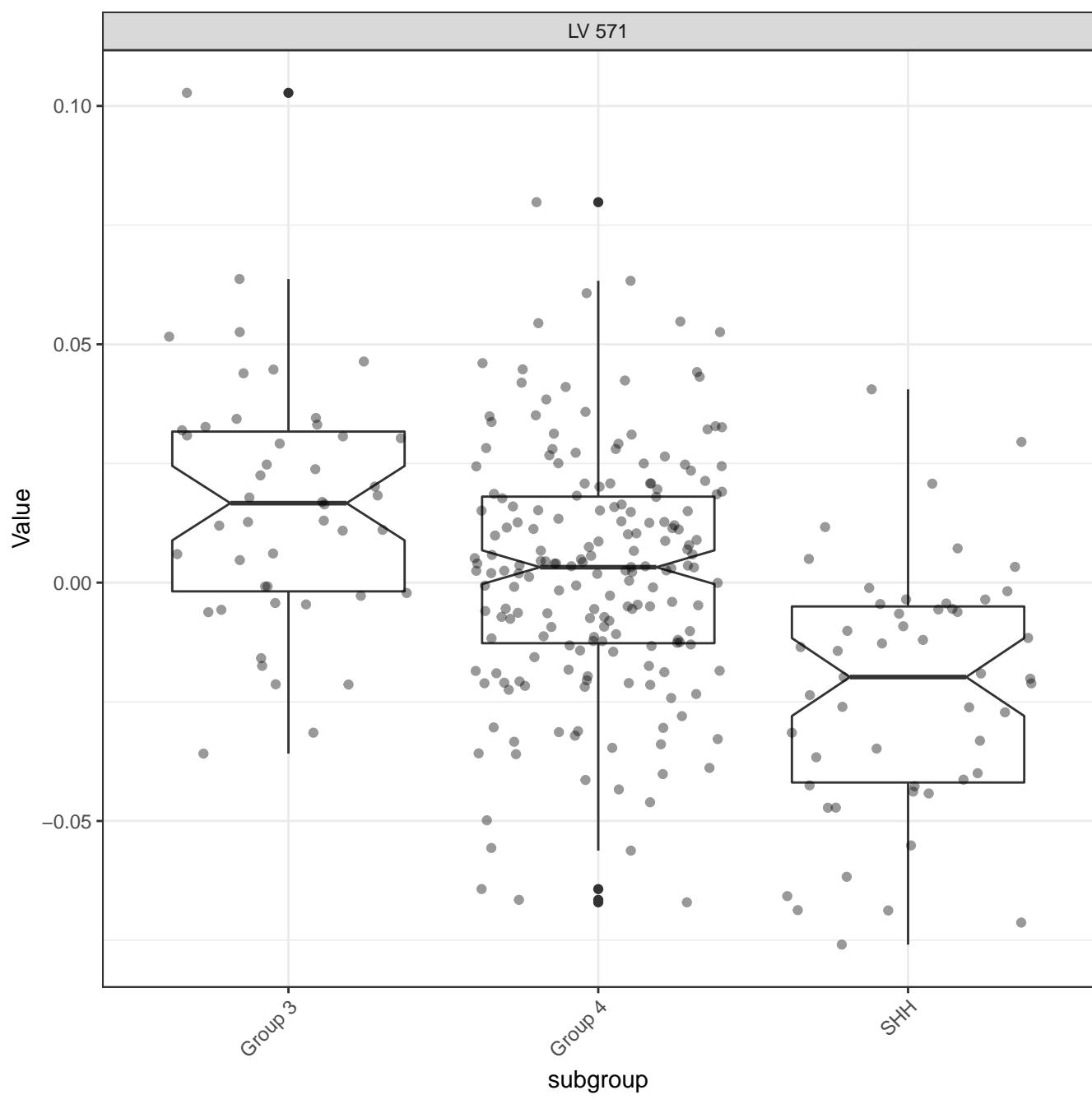
LV 568





LV 570





LV 572

Value

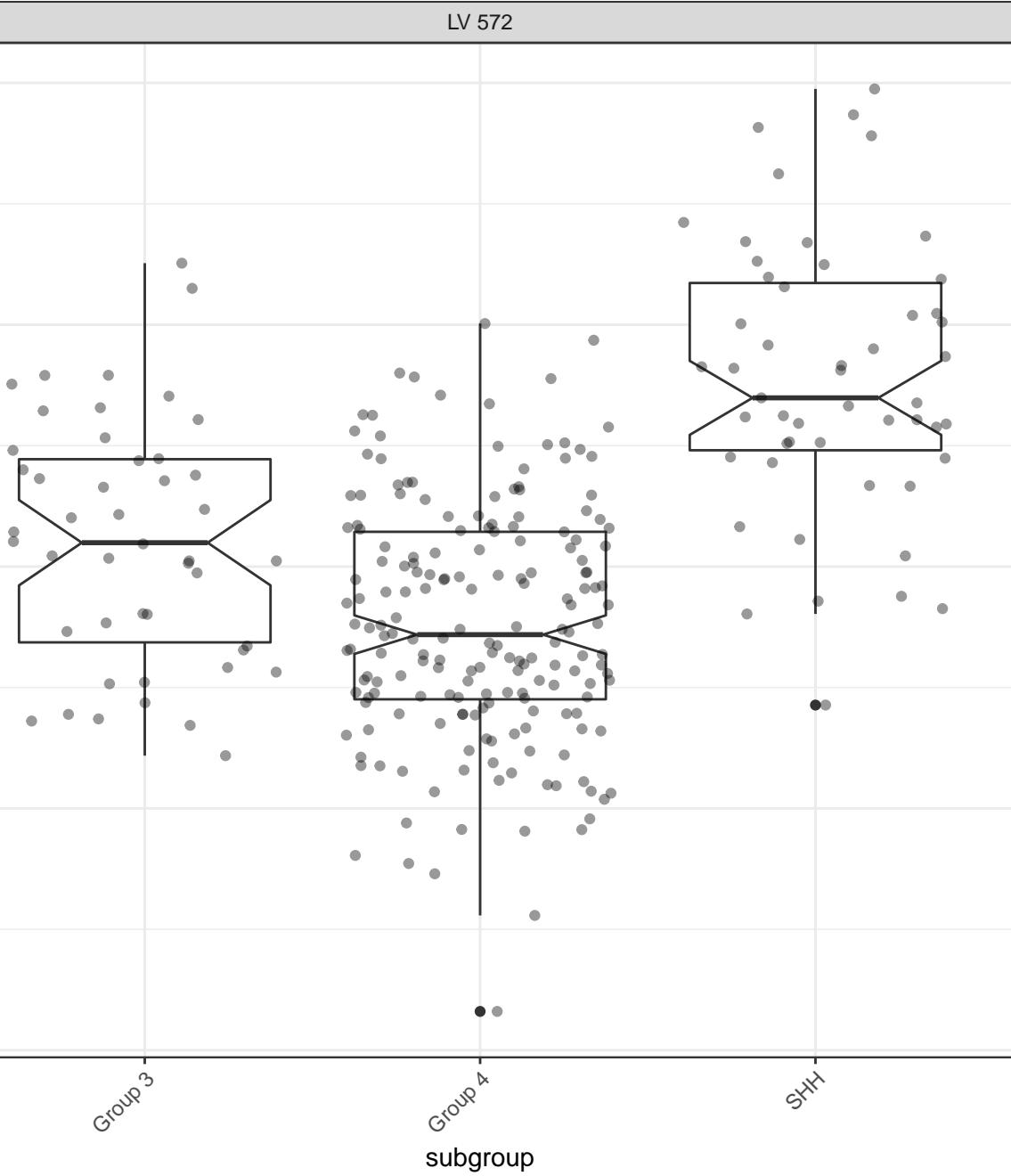
0.10
0.05
0.00
-0.05
-0.10

Group 3

subgroup

Group 4

SHH



LV 573

Value

0.05

0.00

-0.05

-0.10

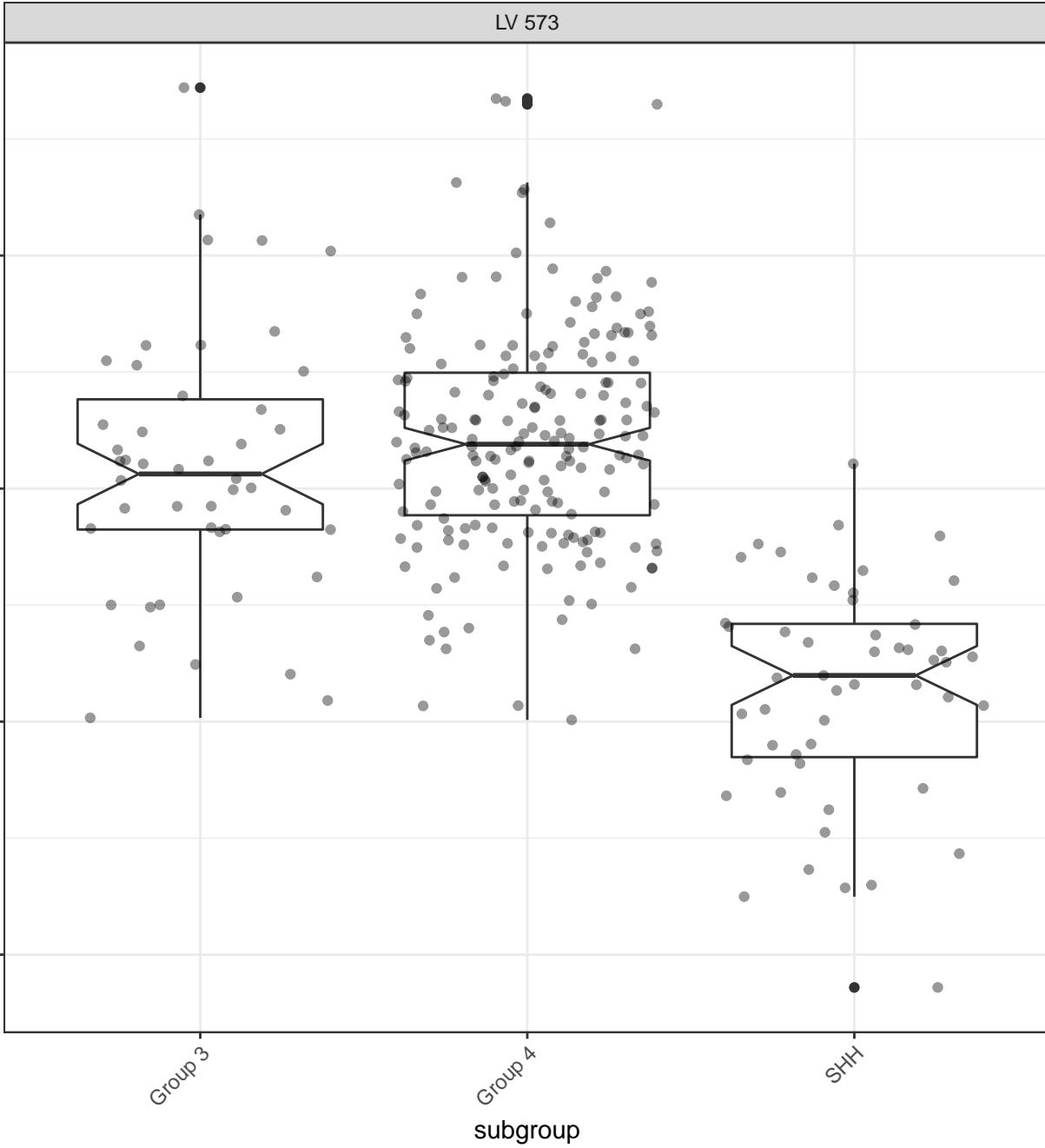
Group 3

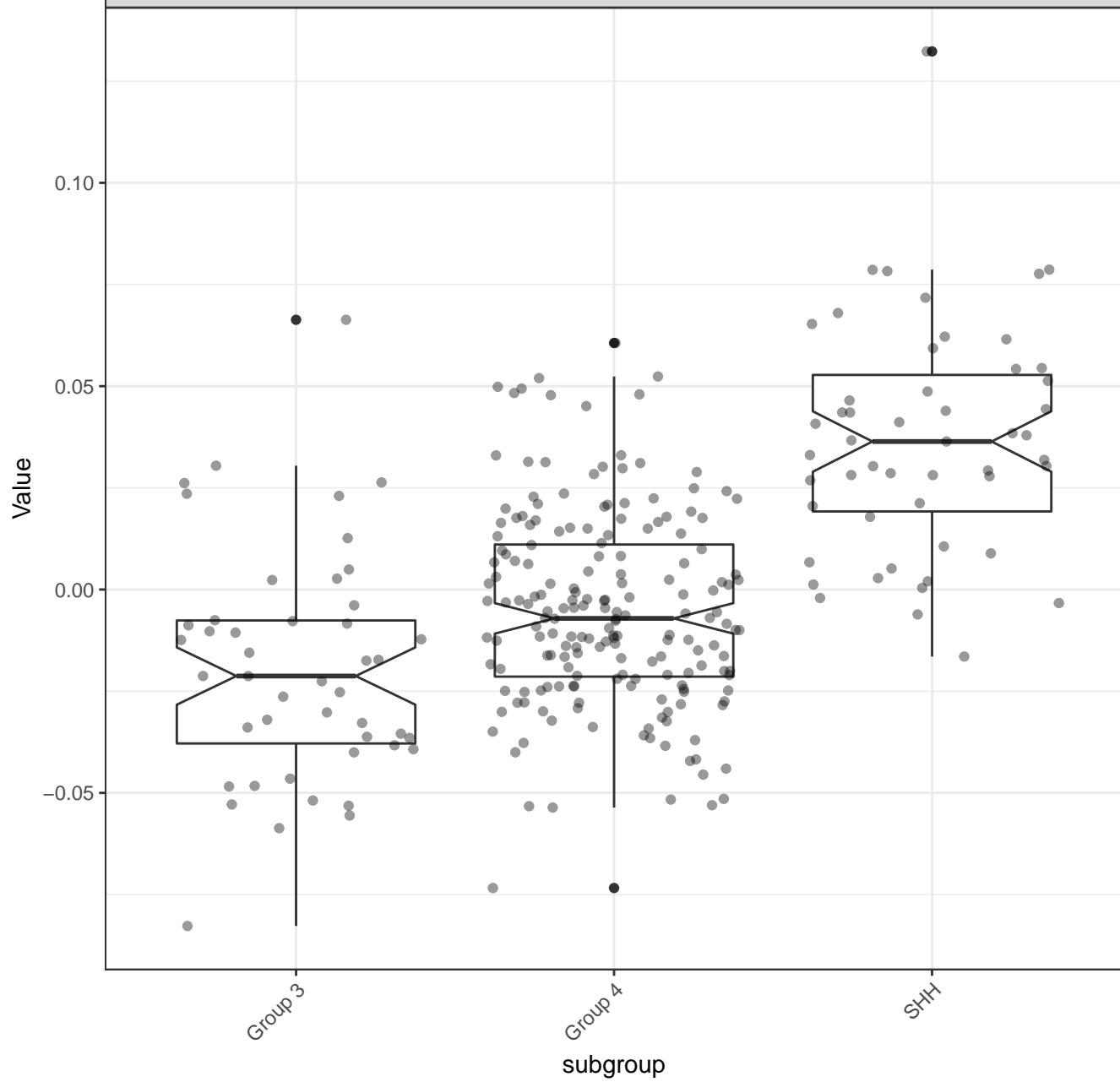
subgroup

Group 4

SHH

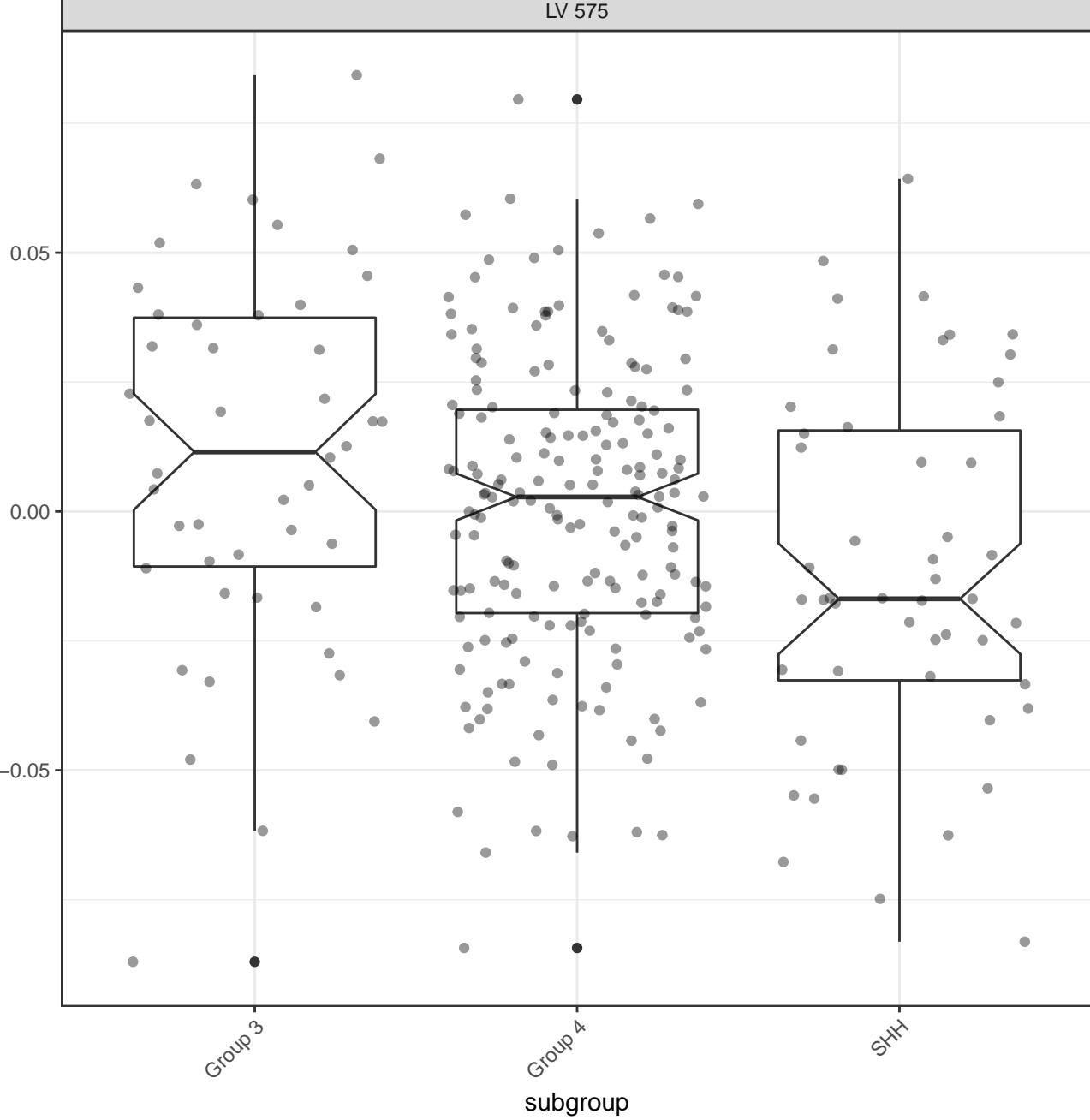
subgroup



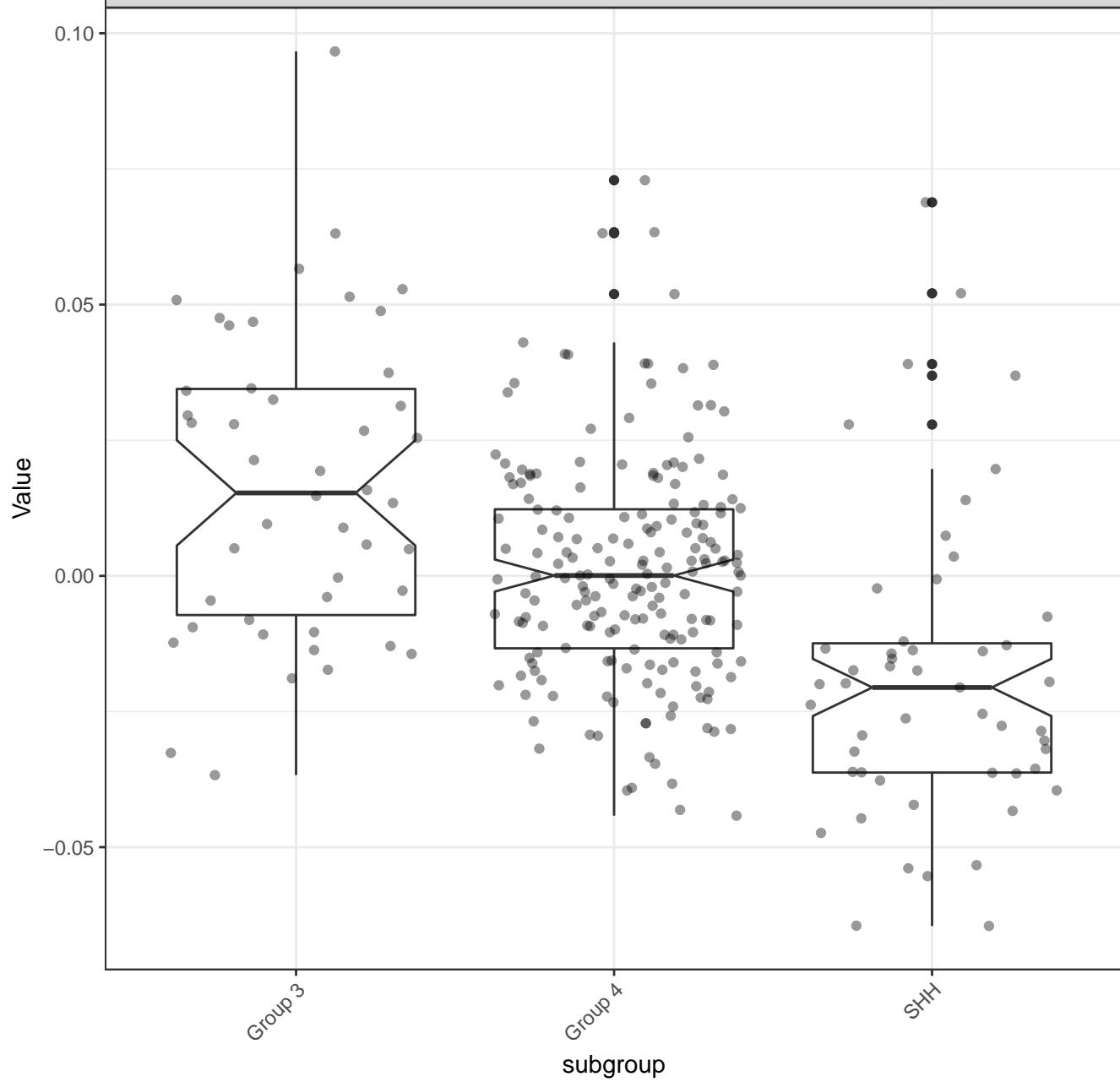


LV 575

Value



LV 576



LV 577

Value

0.10

0.05

0.00

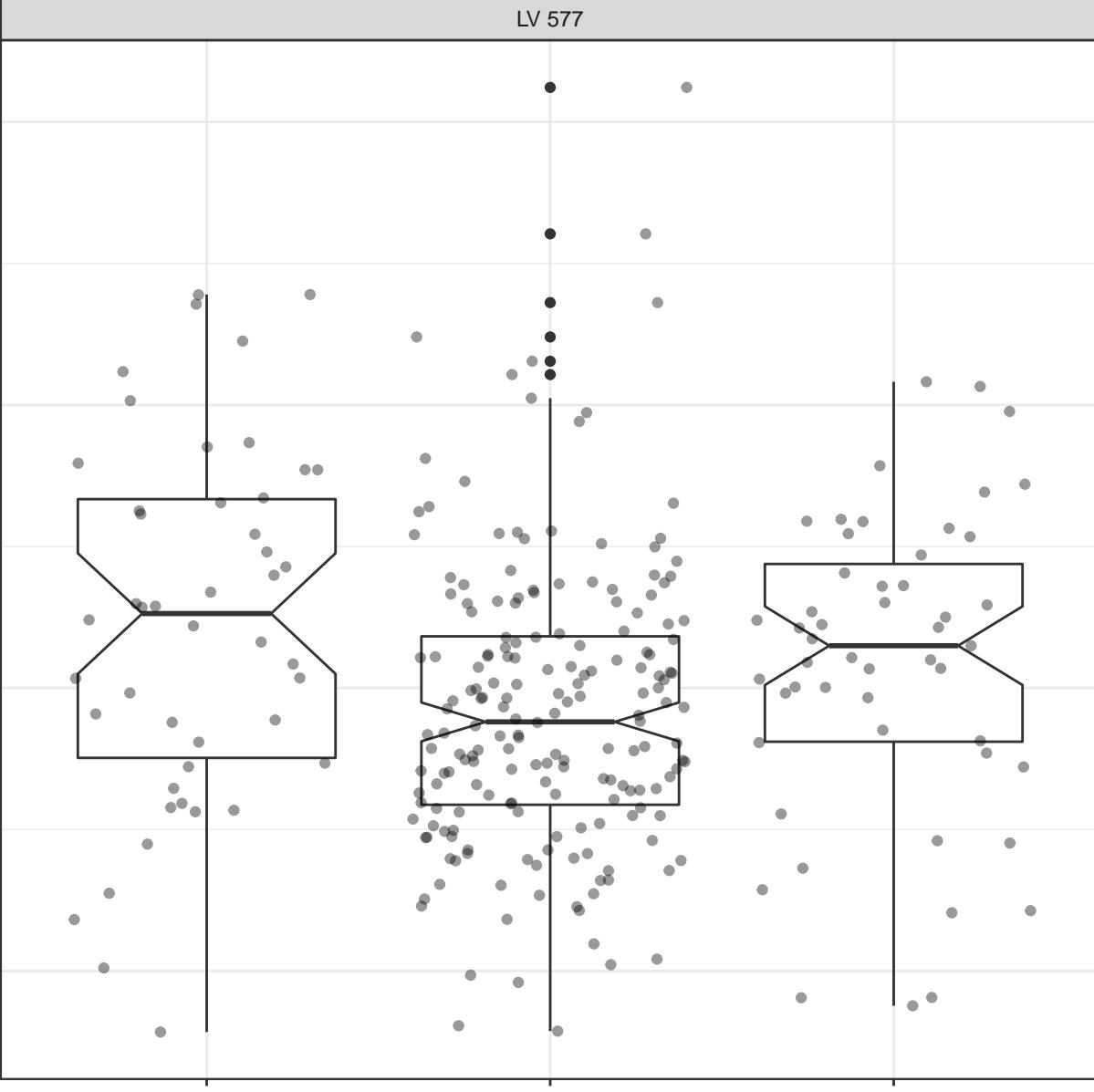
-0.05

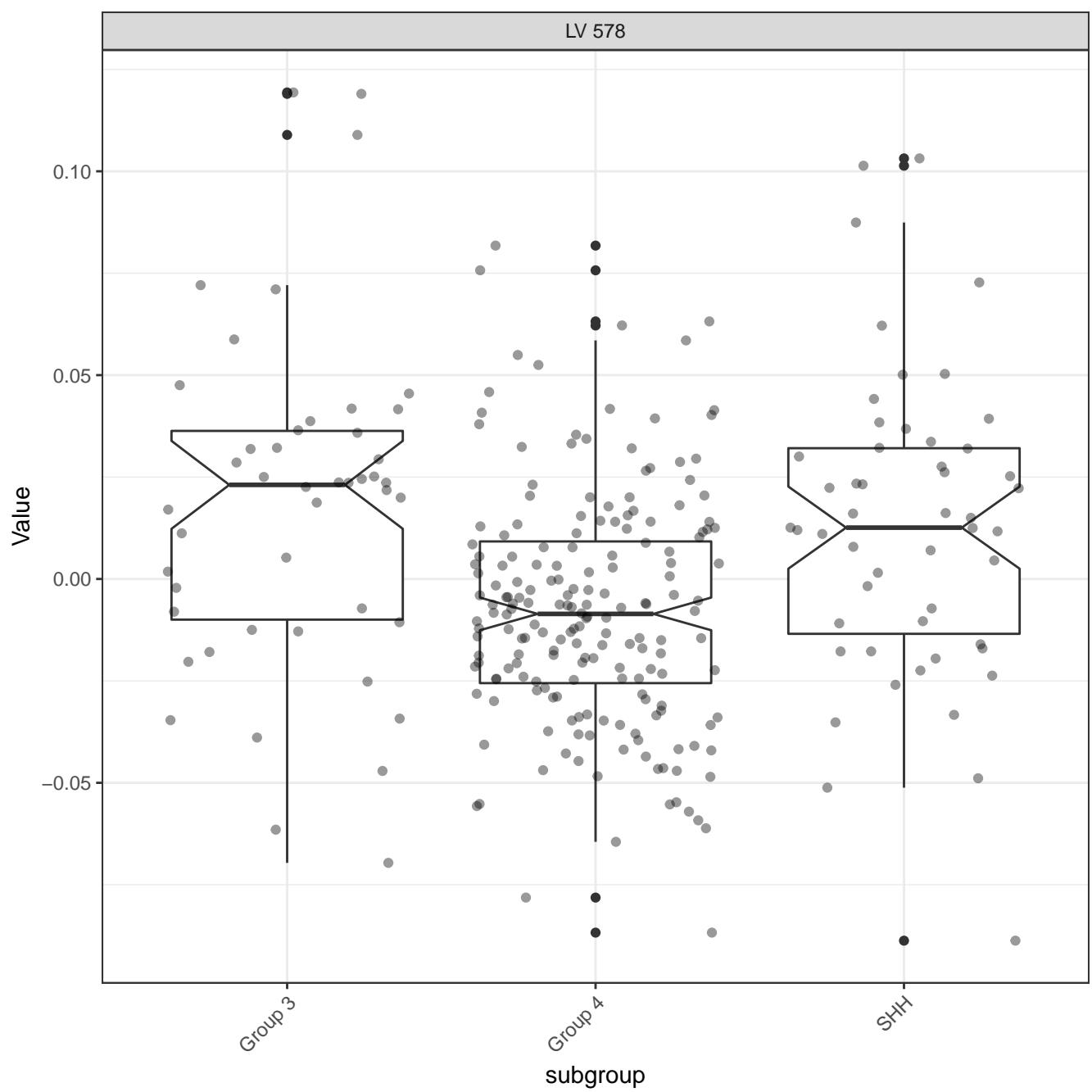
Group 3

subgroup

Group 4

SHH





Value

0.2

0.1

0.0

Group 3

Group 4

SHH

subgroup



LV 580

Value

0.10

0.05

0.00

-0.05

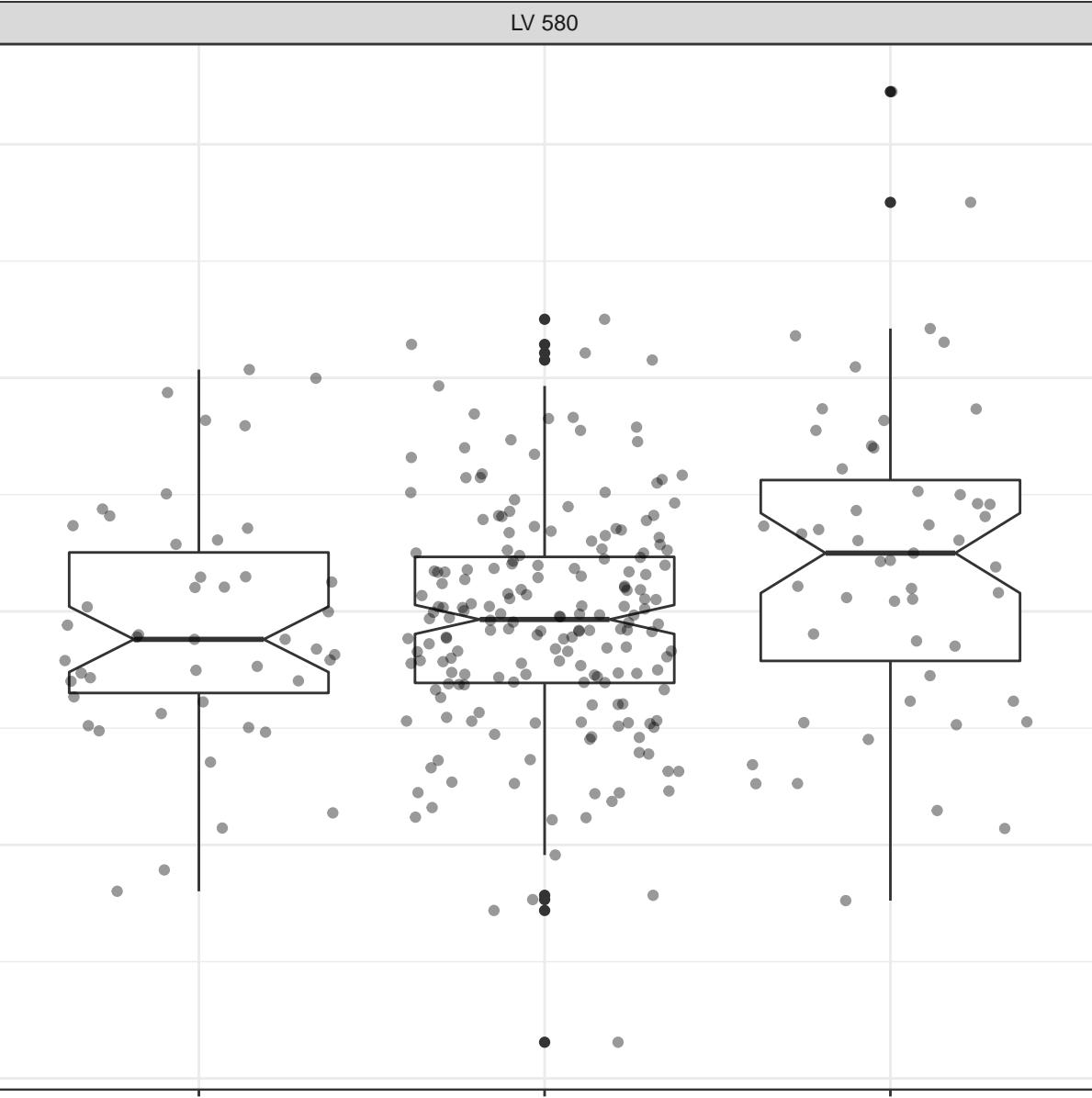
-0.10

Group 3

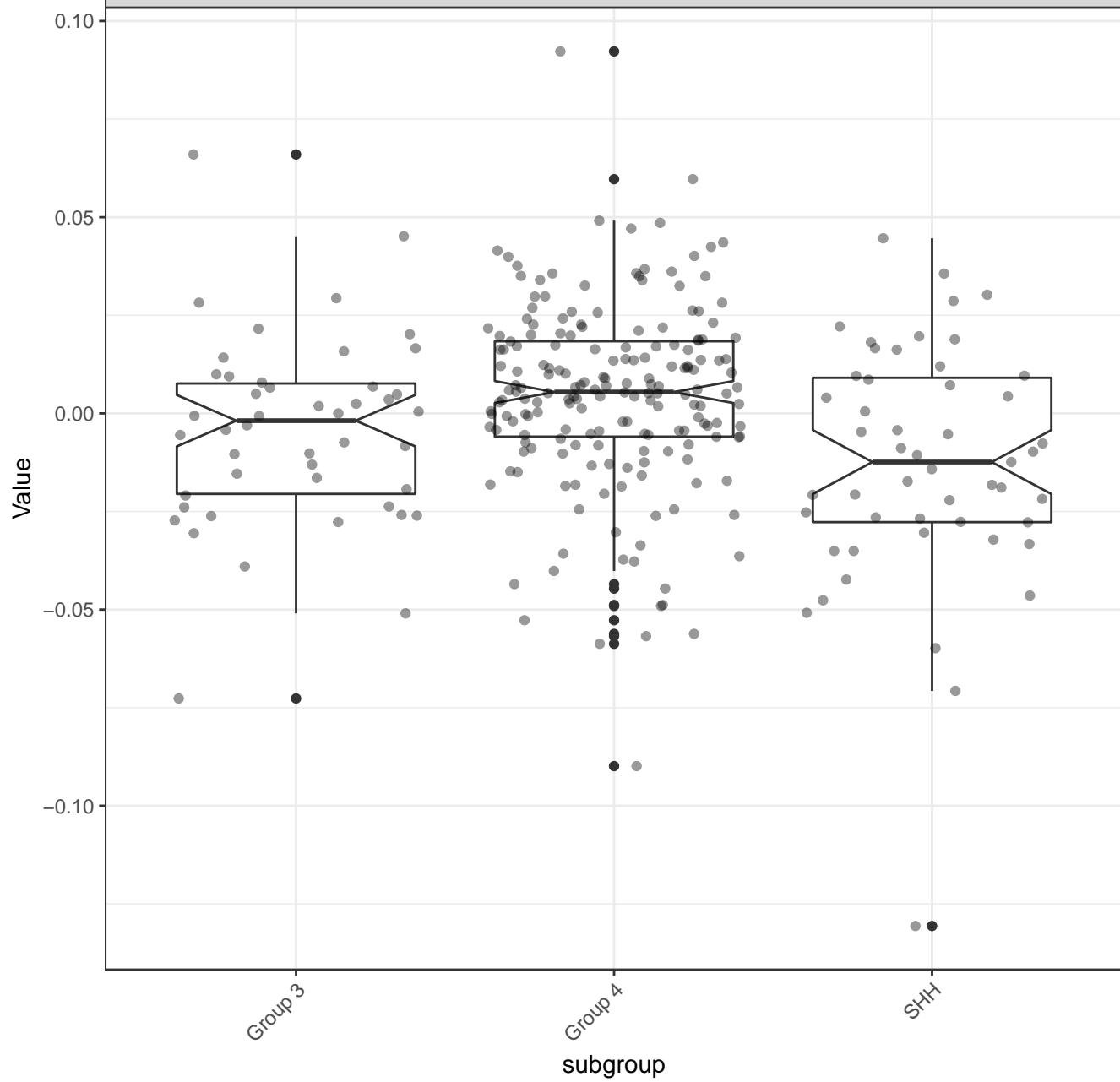
Group 4

SHH

subgroup



LV 581



LV 582

Value

0.15

0.10

0.05

0.00

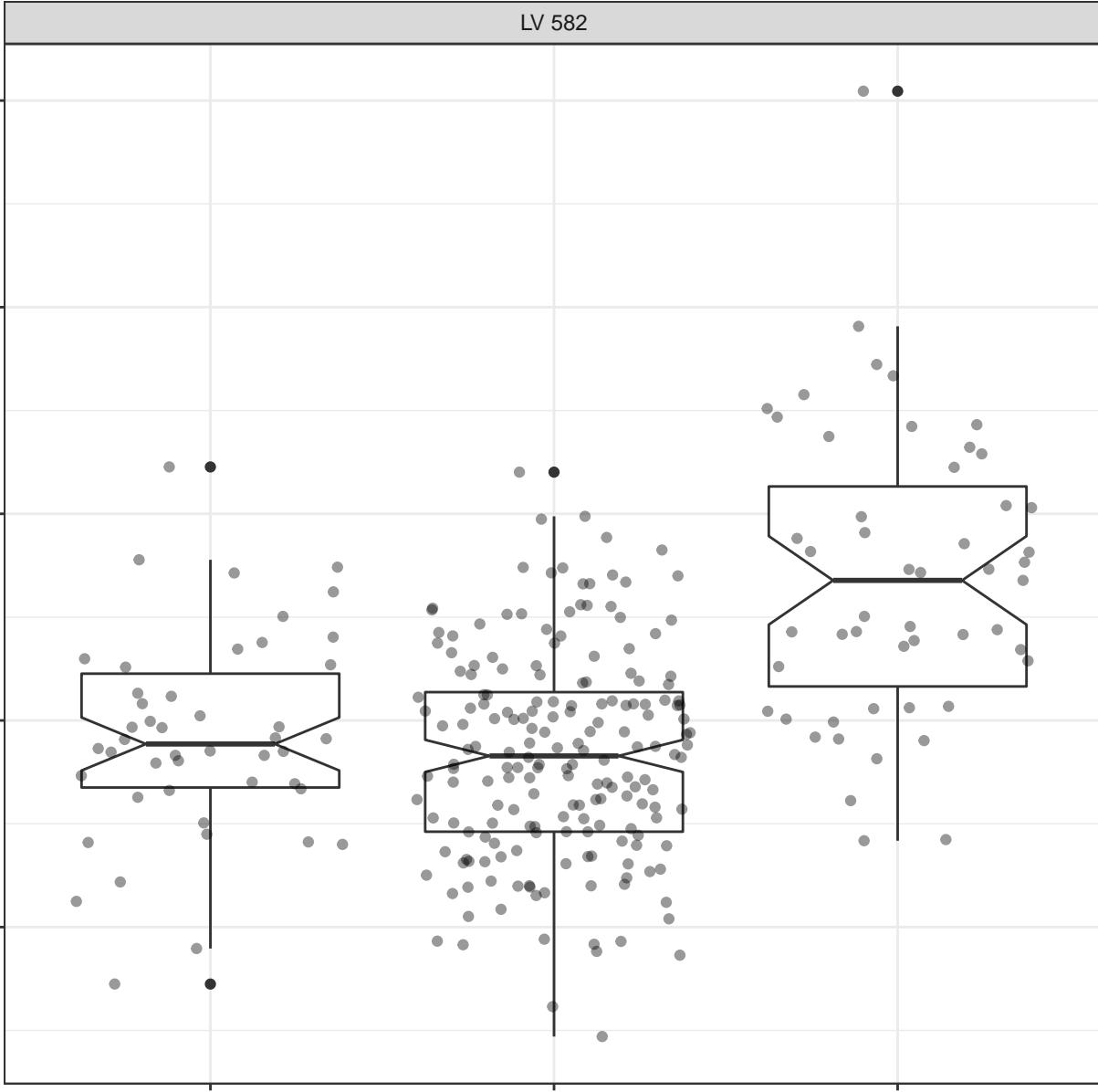
-0.05

Group 3

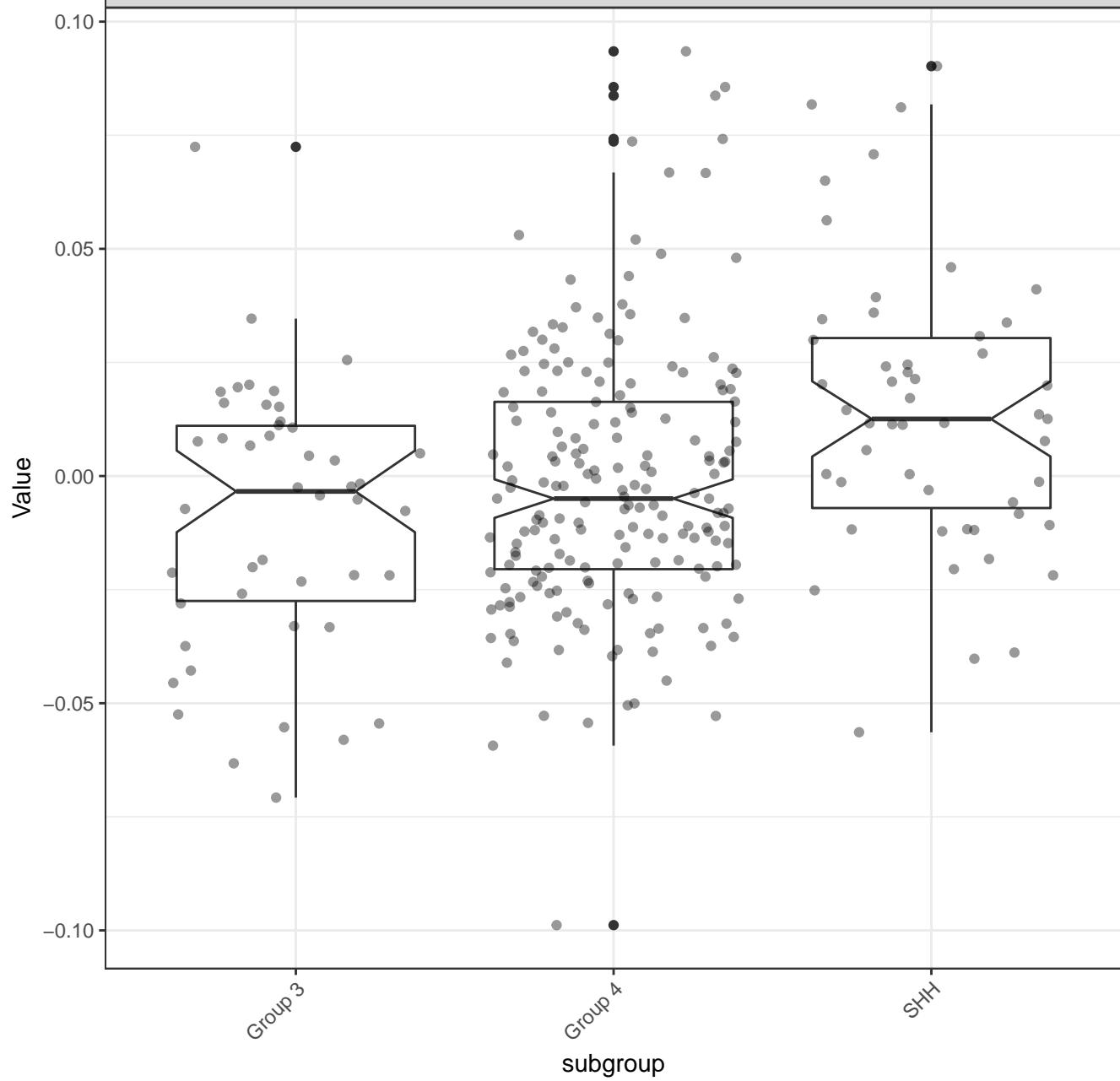
subgroup

Group 4

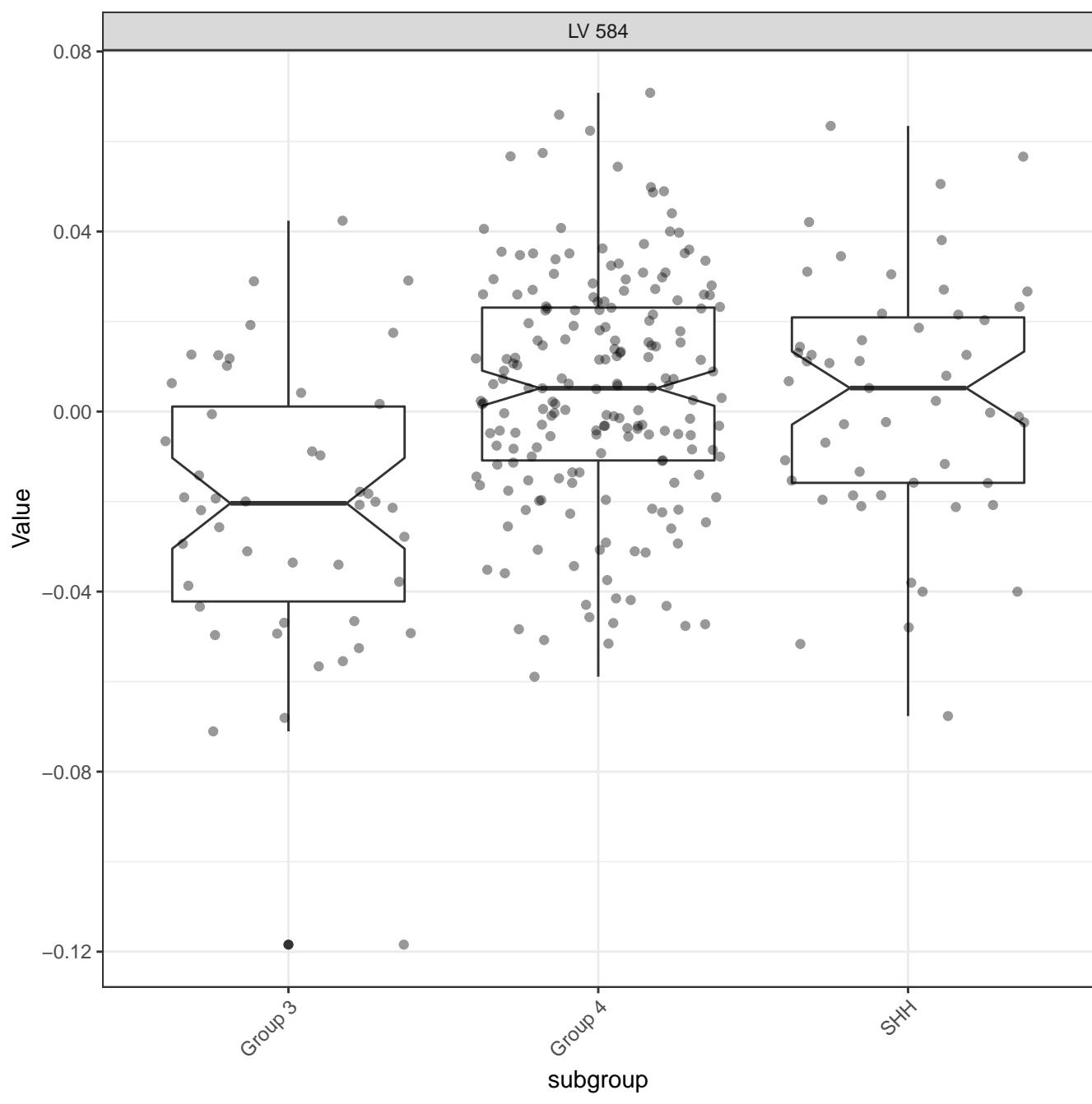
SHH



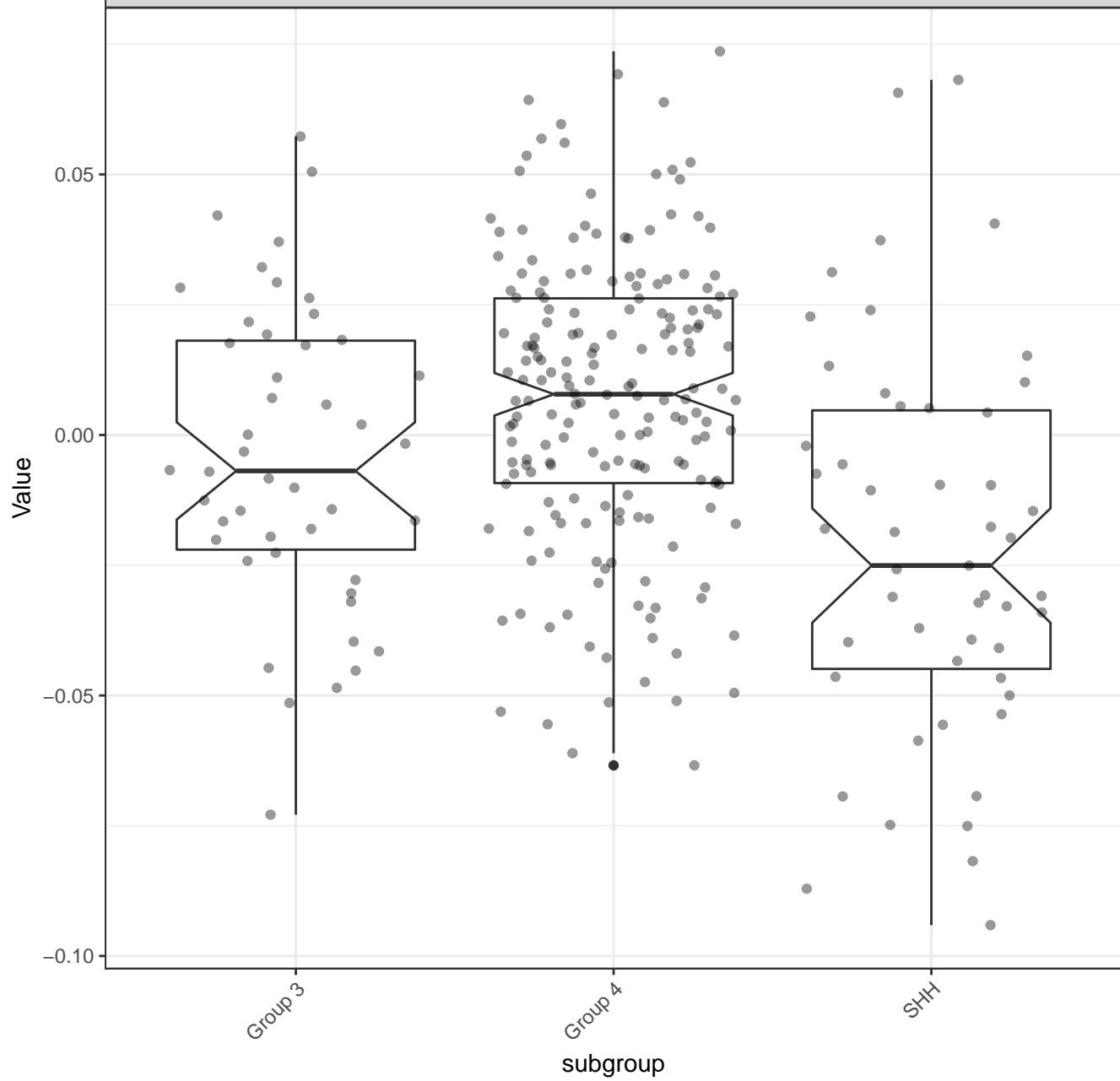
583,MIPS_39S_RIBOSOMAL_SUBUNIT_MITOCHONDRIAL



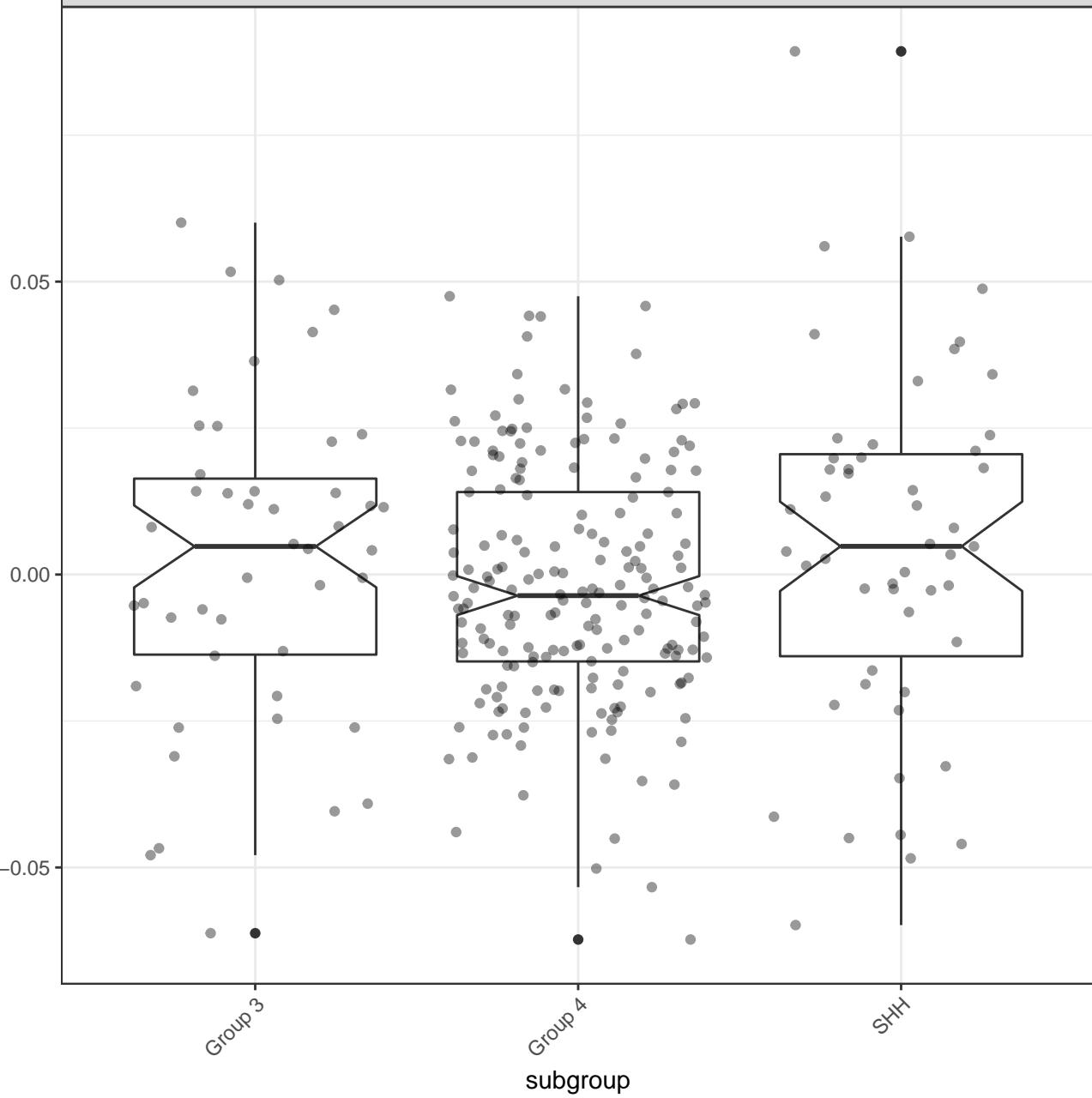
LV 584



LV 585



Value



LV 587

Value

0.2

0.1

0.0

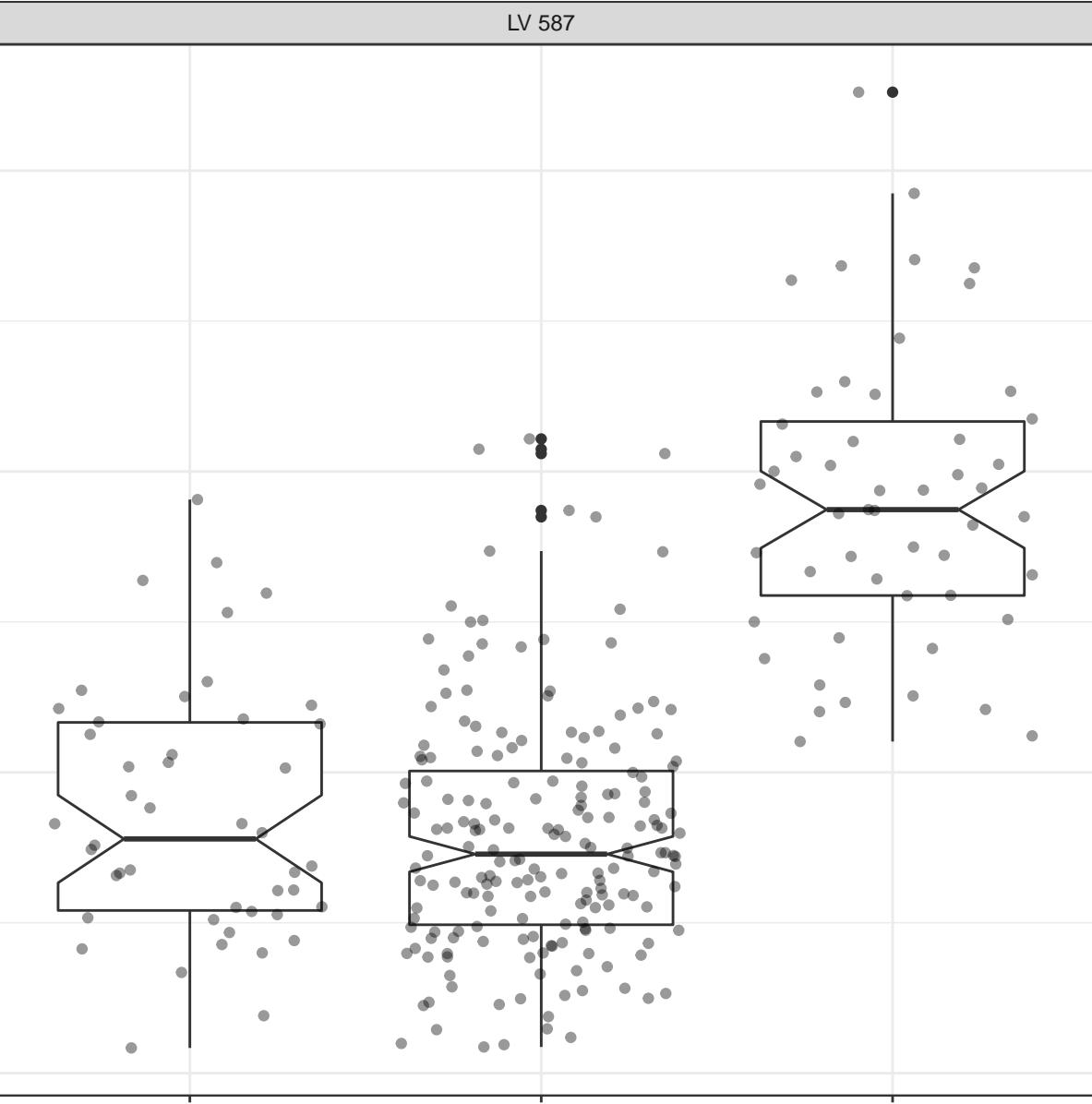
-0.1

Group 3

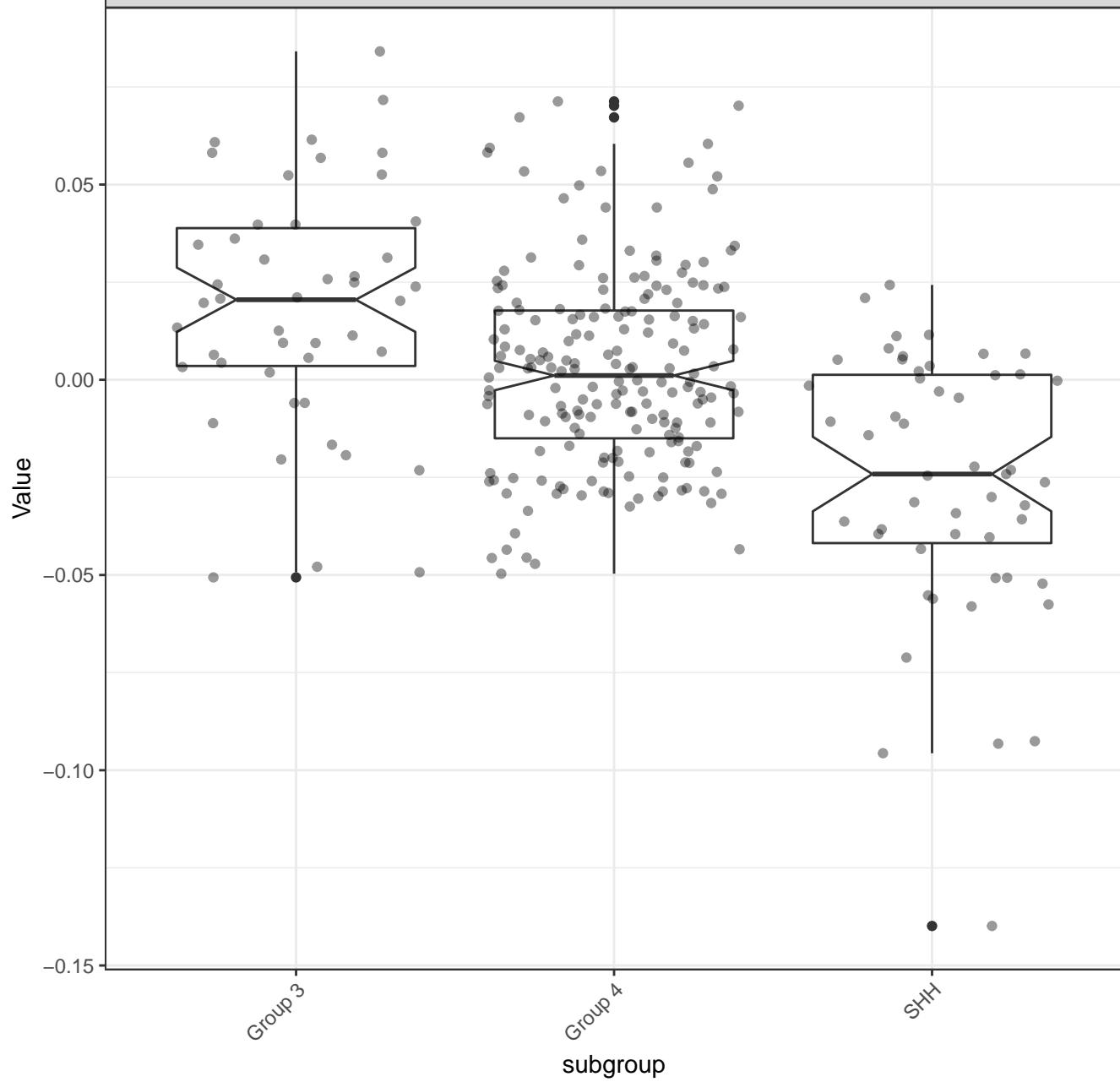
Group 4

SHH

subgroup



LV 588



LV 589

Value

0.05

0.00

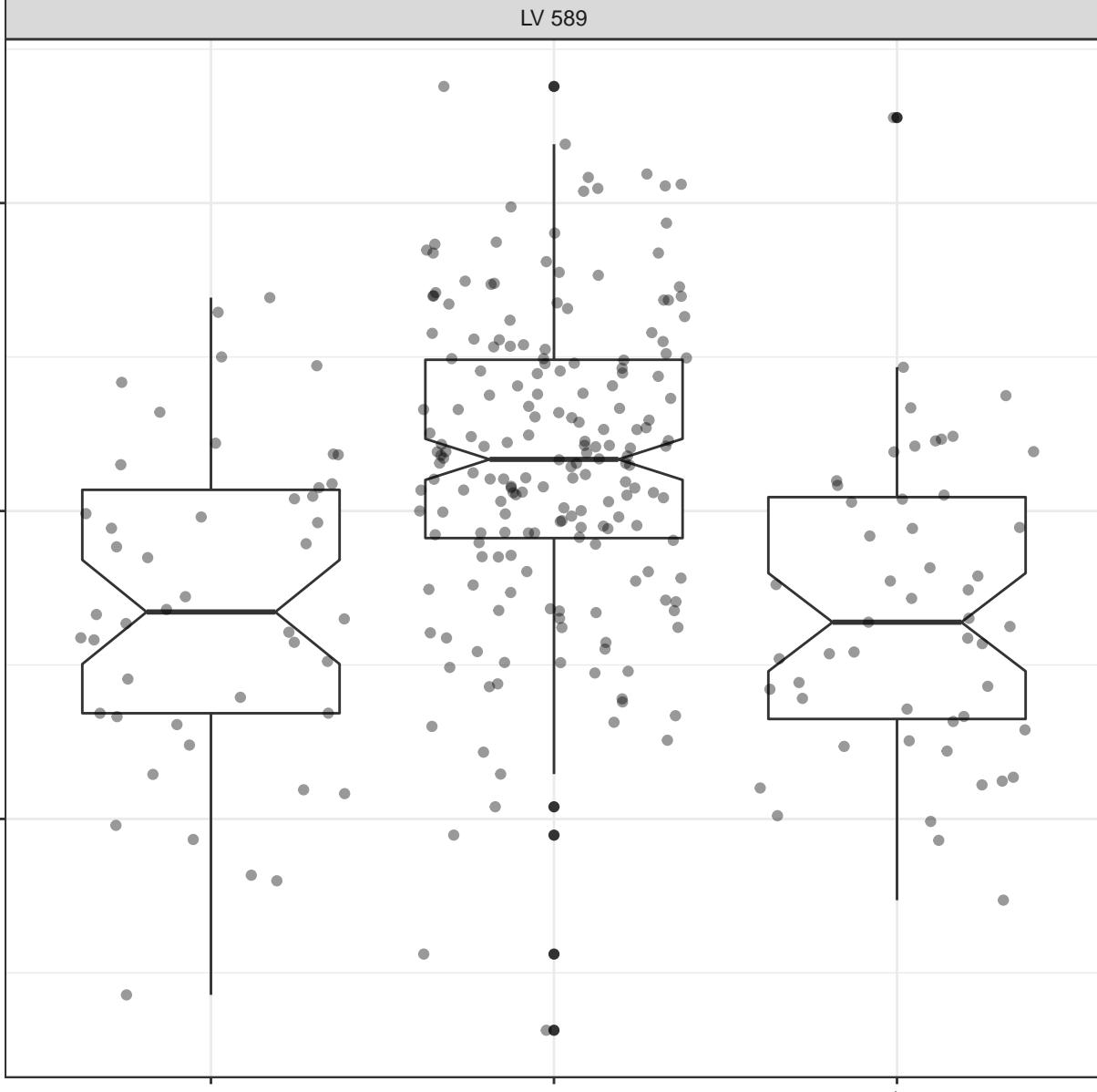
-0.05

Group 3

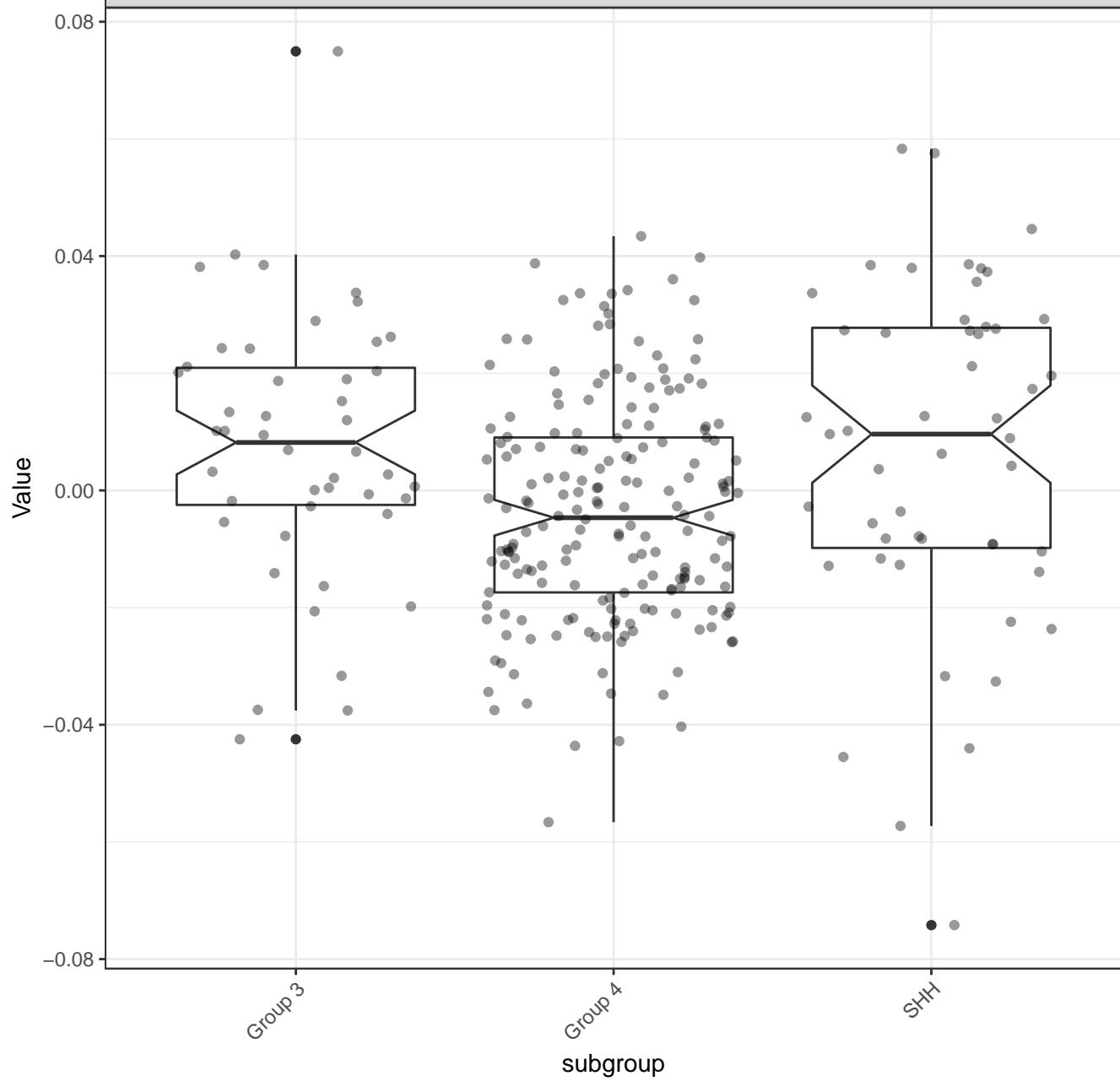
subgroup

Group 4

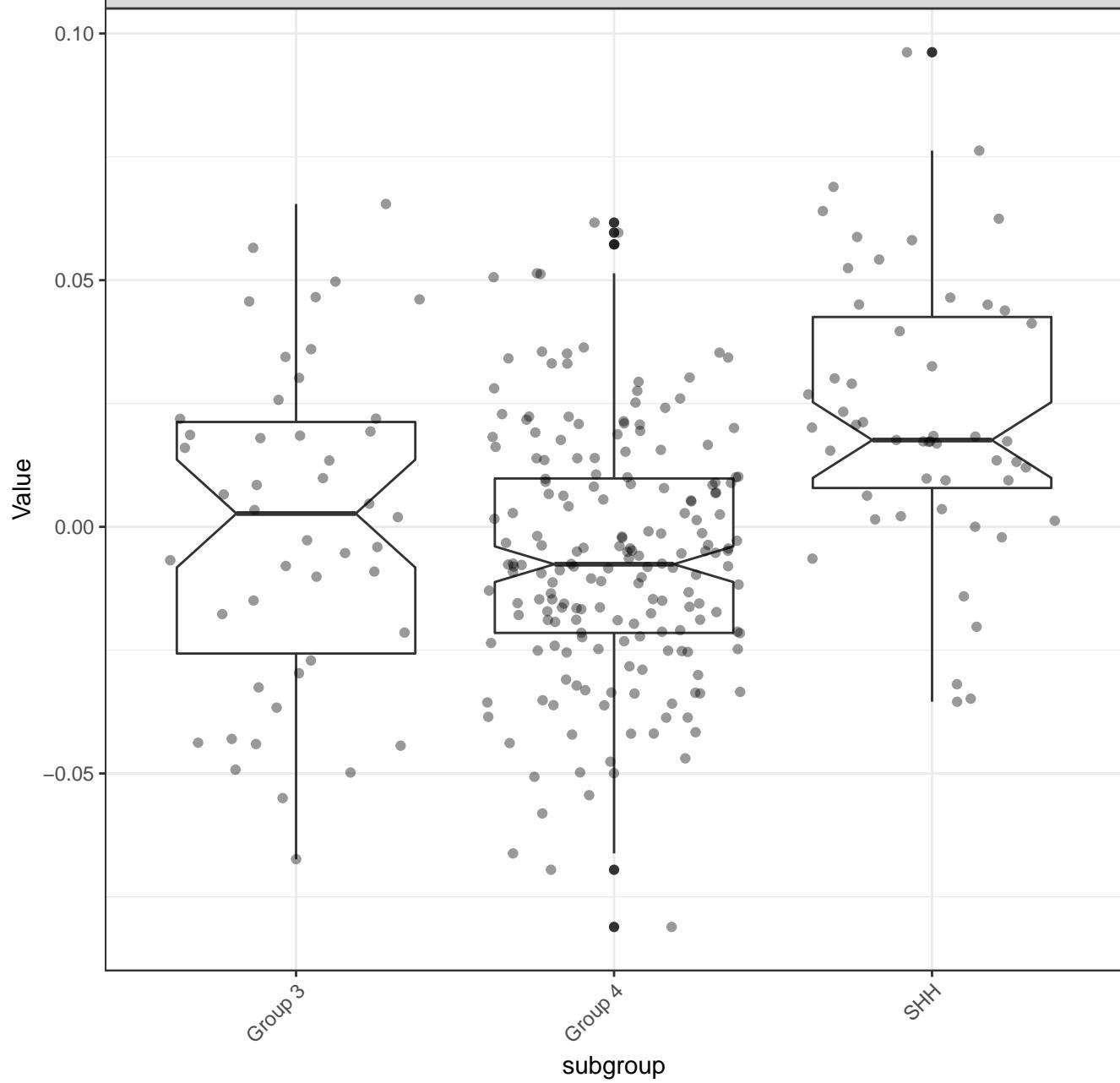
SHH



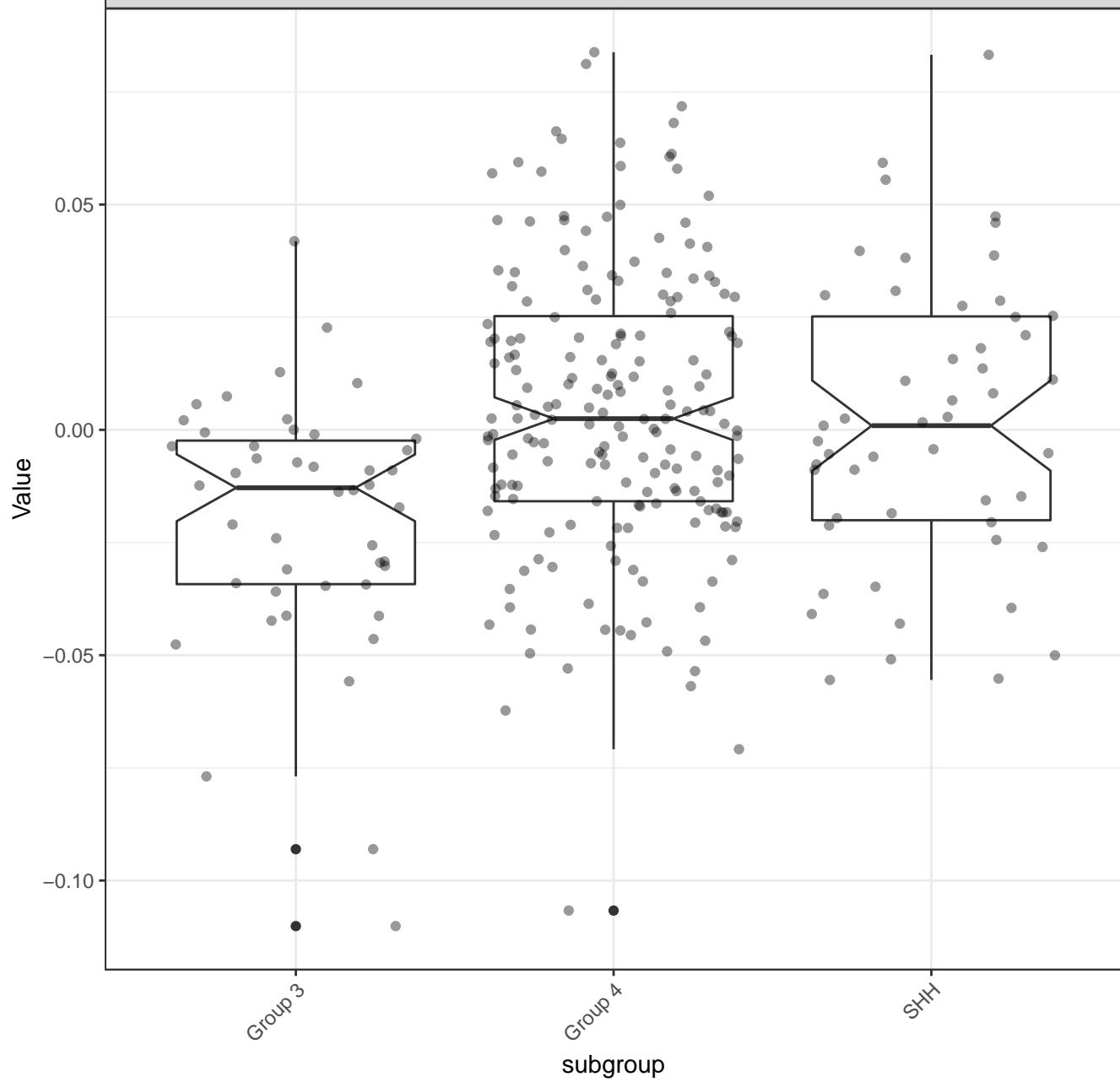
LV 590



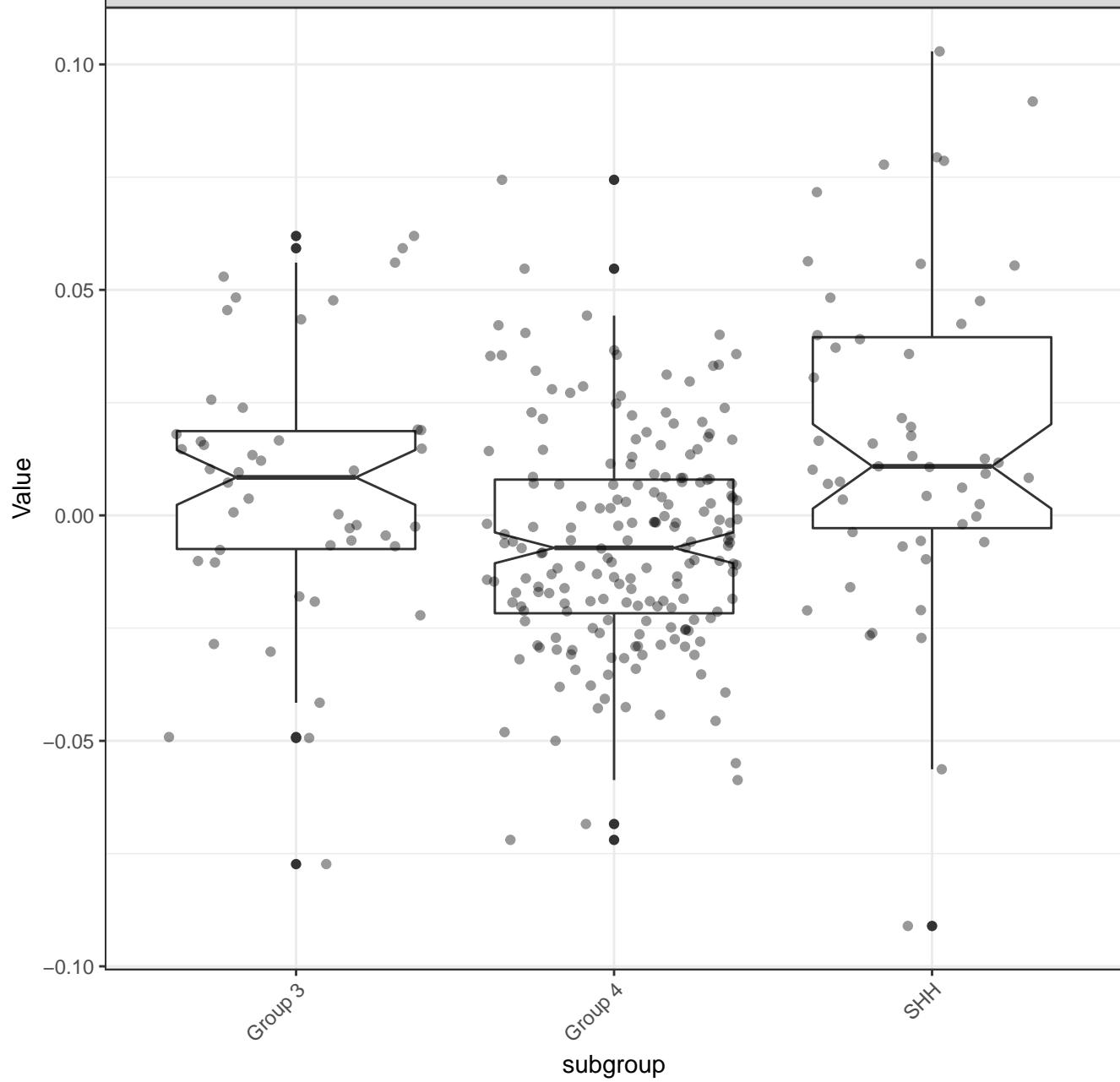
LV 591



LV 592



LV 593



LV 594

Value

0.10

0.05

0.00

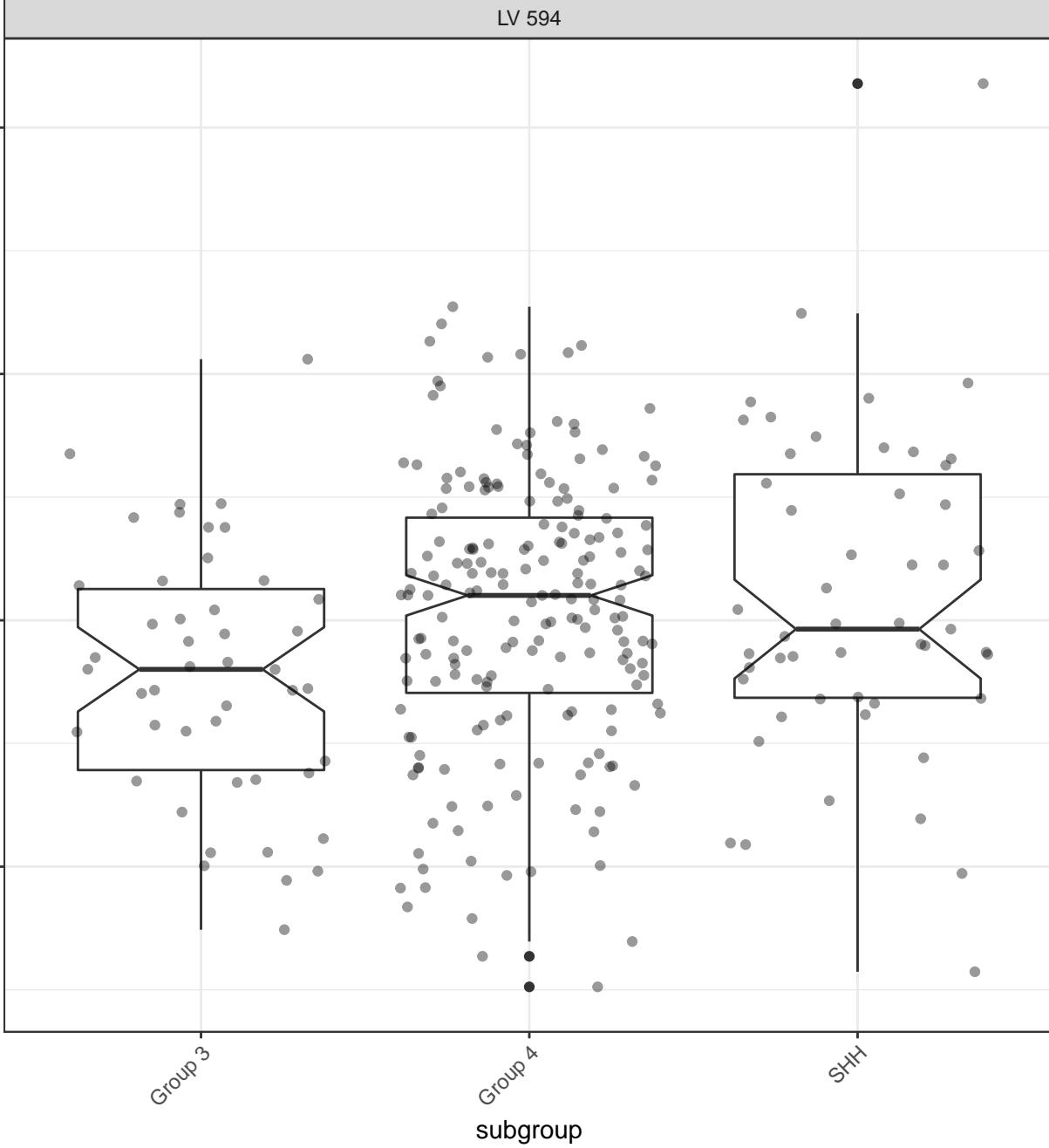
-0.05

Group 3

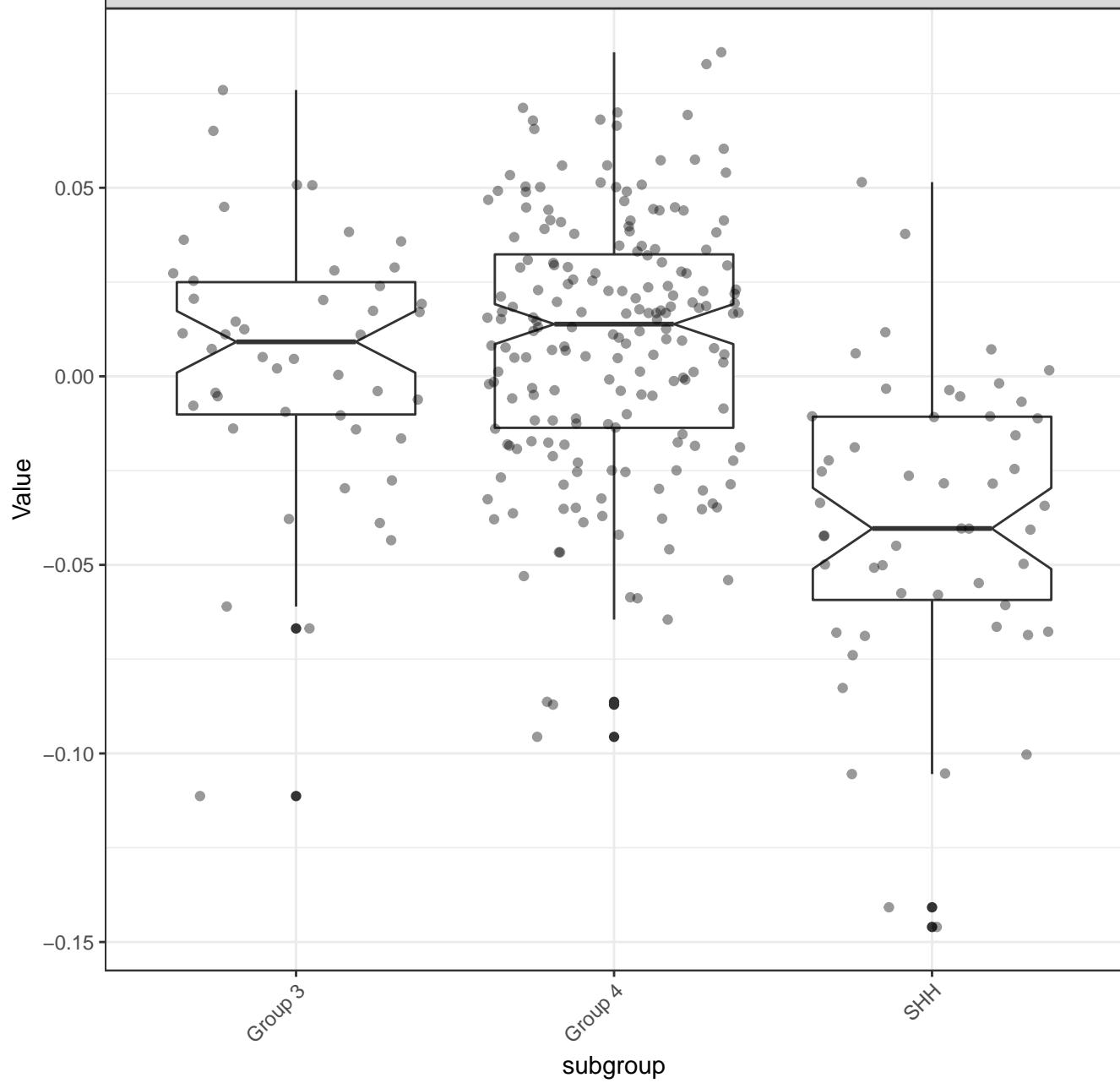
Group 4

SHH

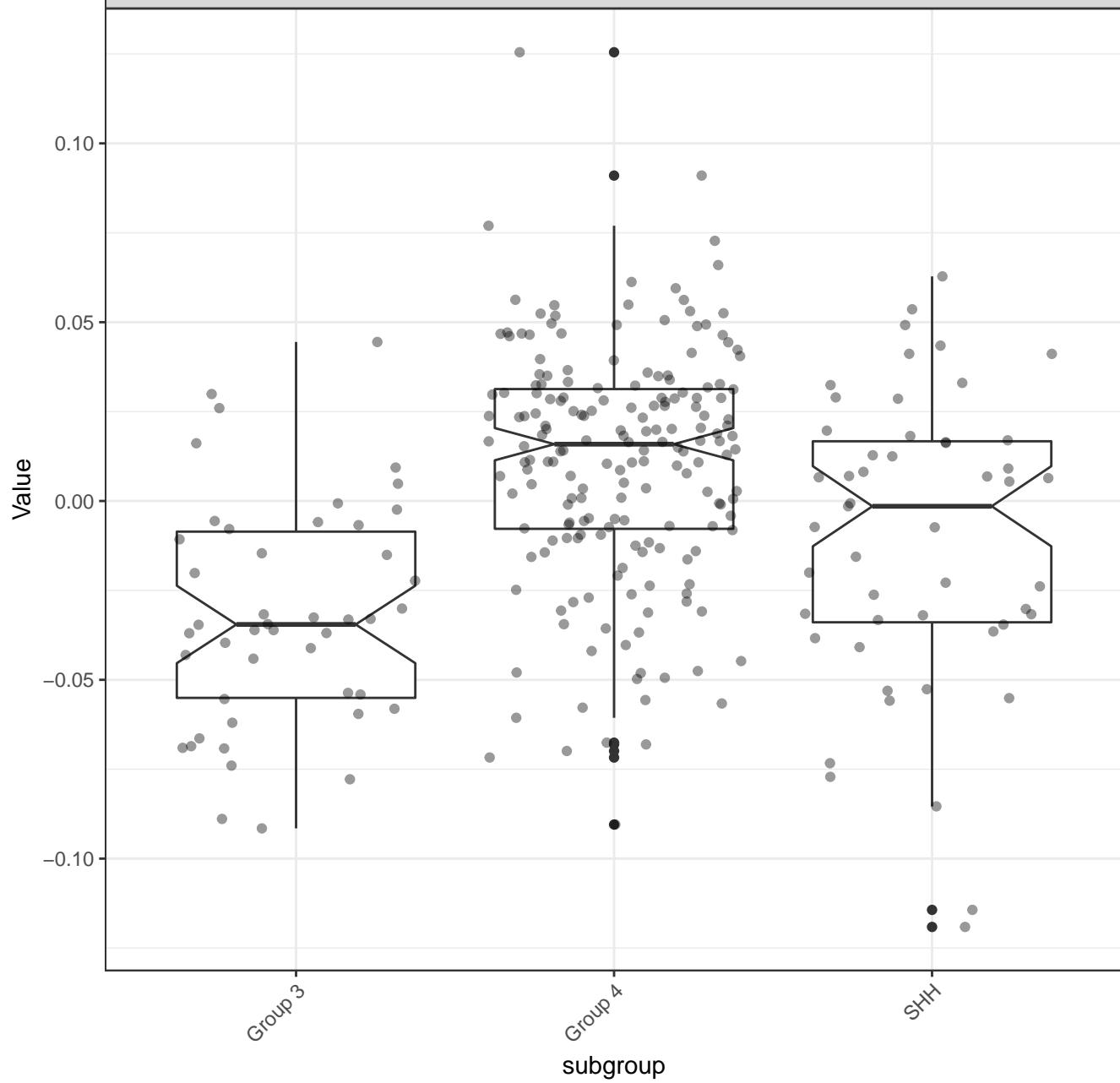
subgroup

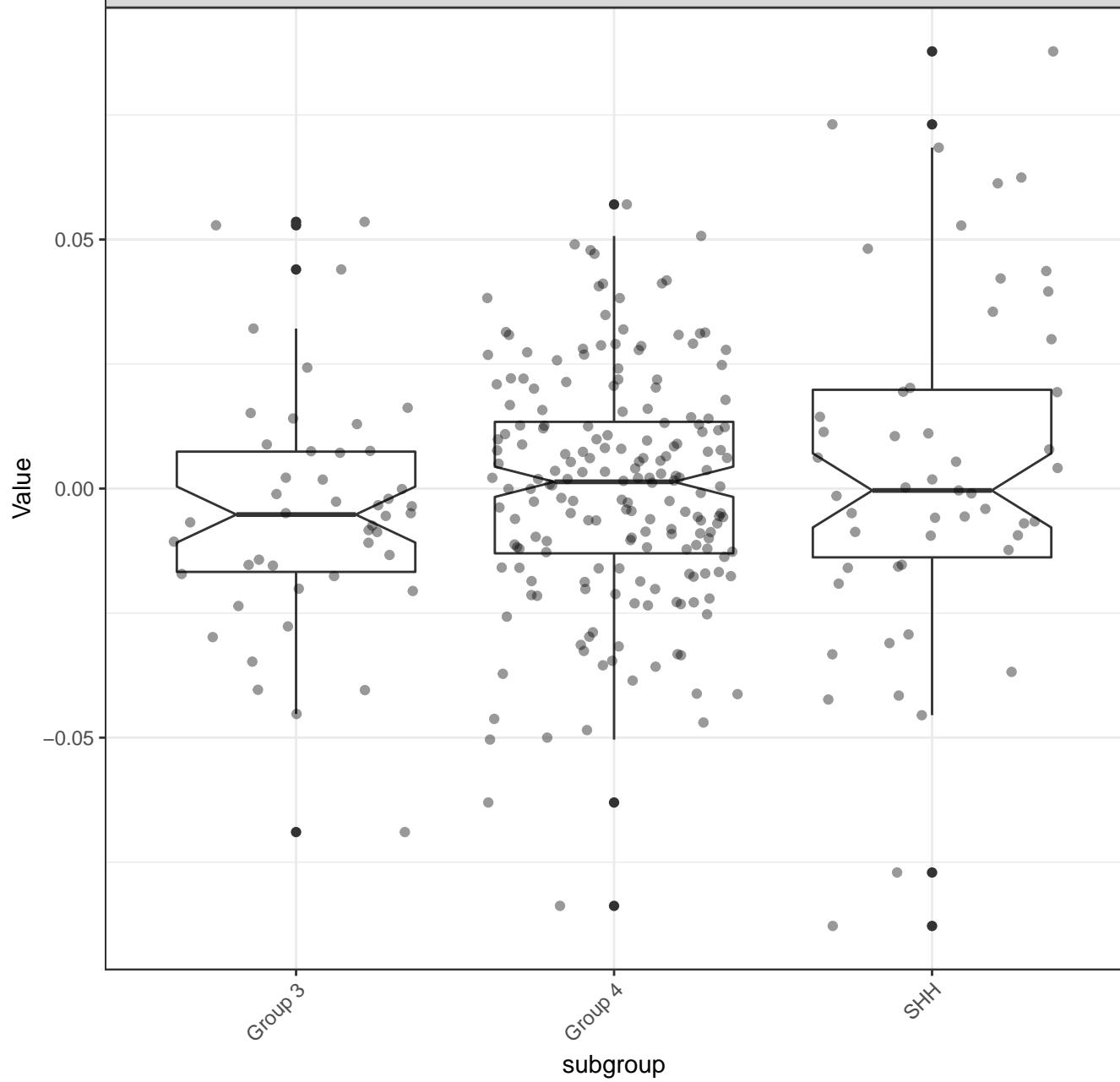


LV 595



LV 596





LV 598

Value

0.2

0.1

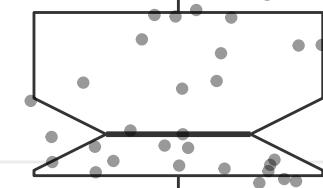
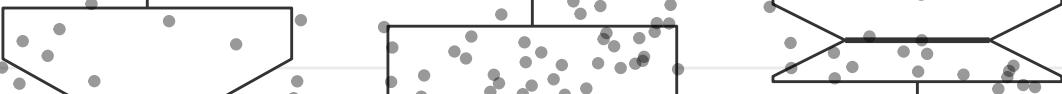
0.0

Group 3

Group 4

SHH

subgroup



599,DMAP_ERY2

Value

0.10

0.05

0.00

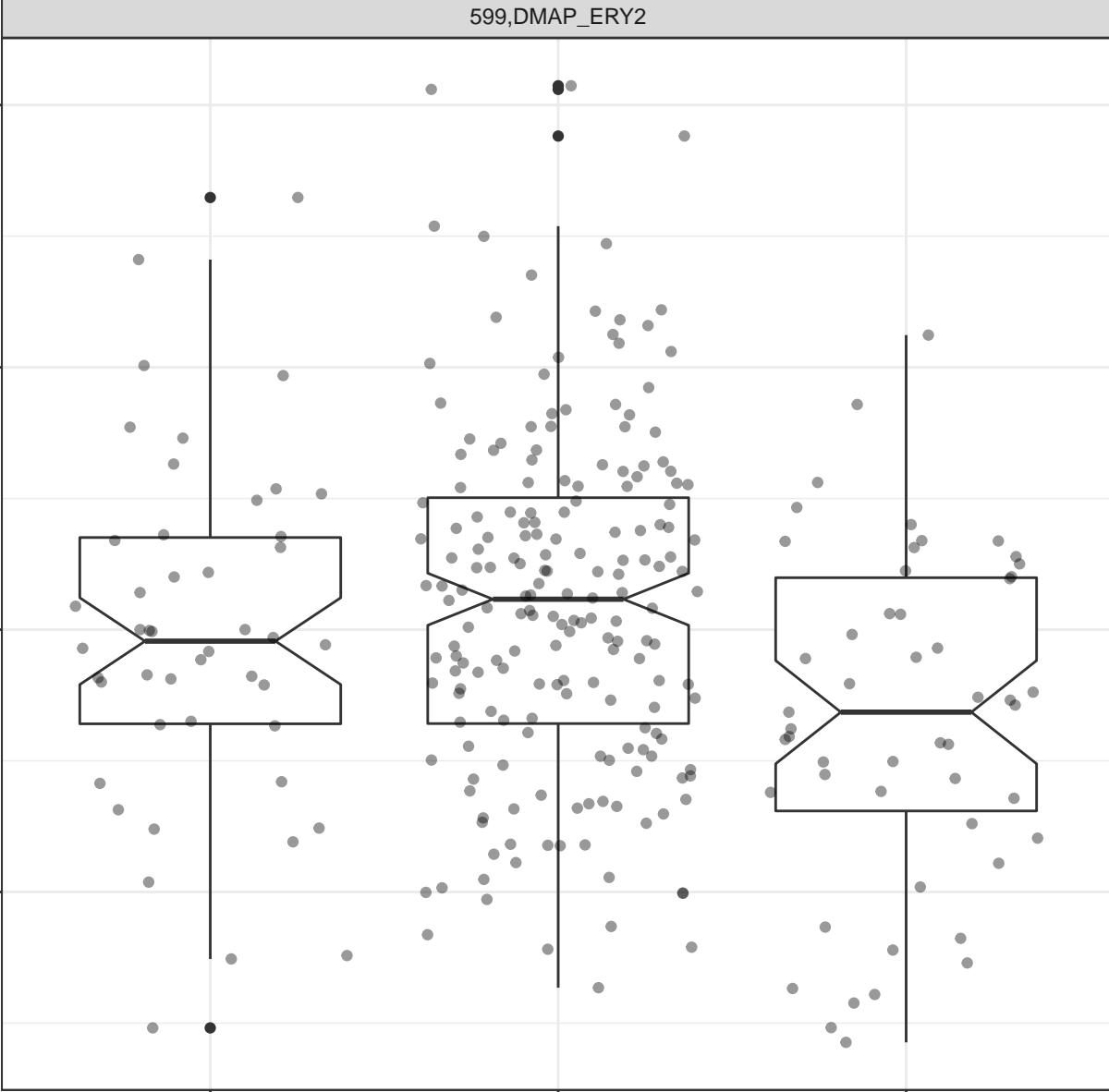
-0.05

Group 3

subgroup

Group 4

SHH



LV 600

Value

0.05

0.00

-0.05

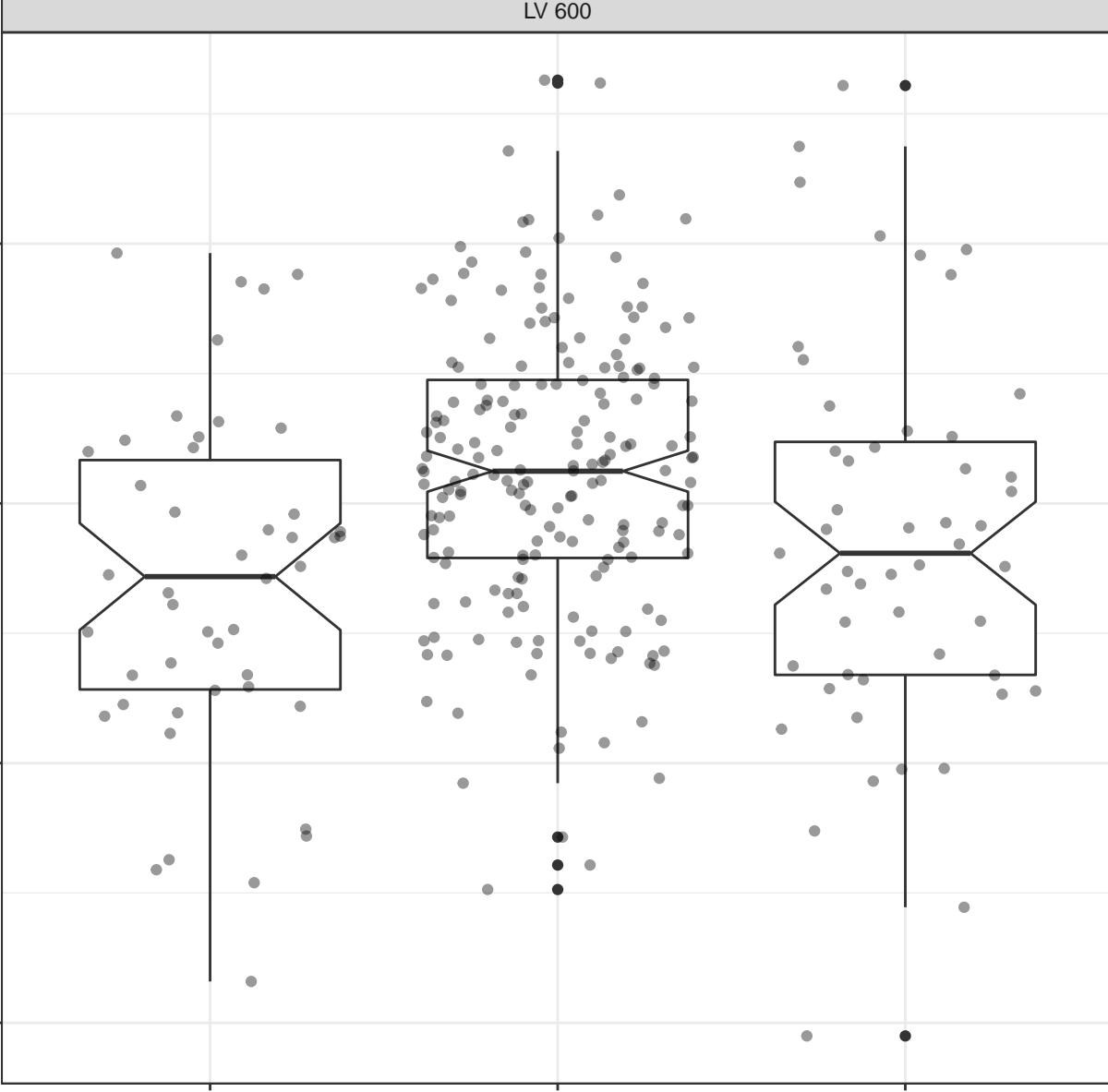
-0.10

Group 3

subgroup

Group 4

SHH



LV 601

Value

0.10

0.05

0.00

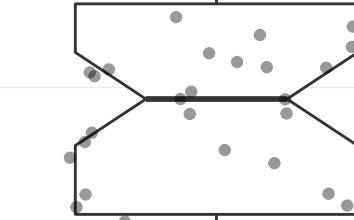
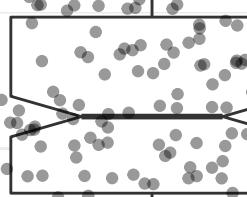
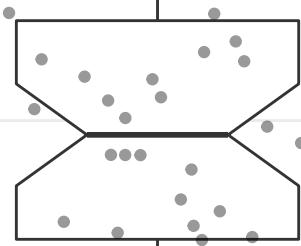
-0.05

Group 3

Group 4

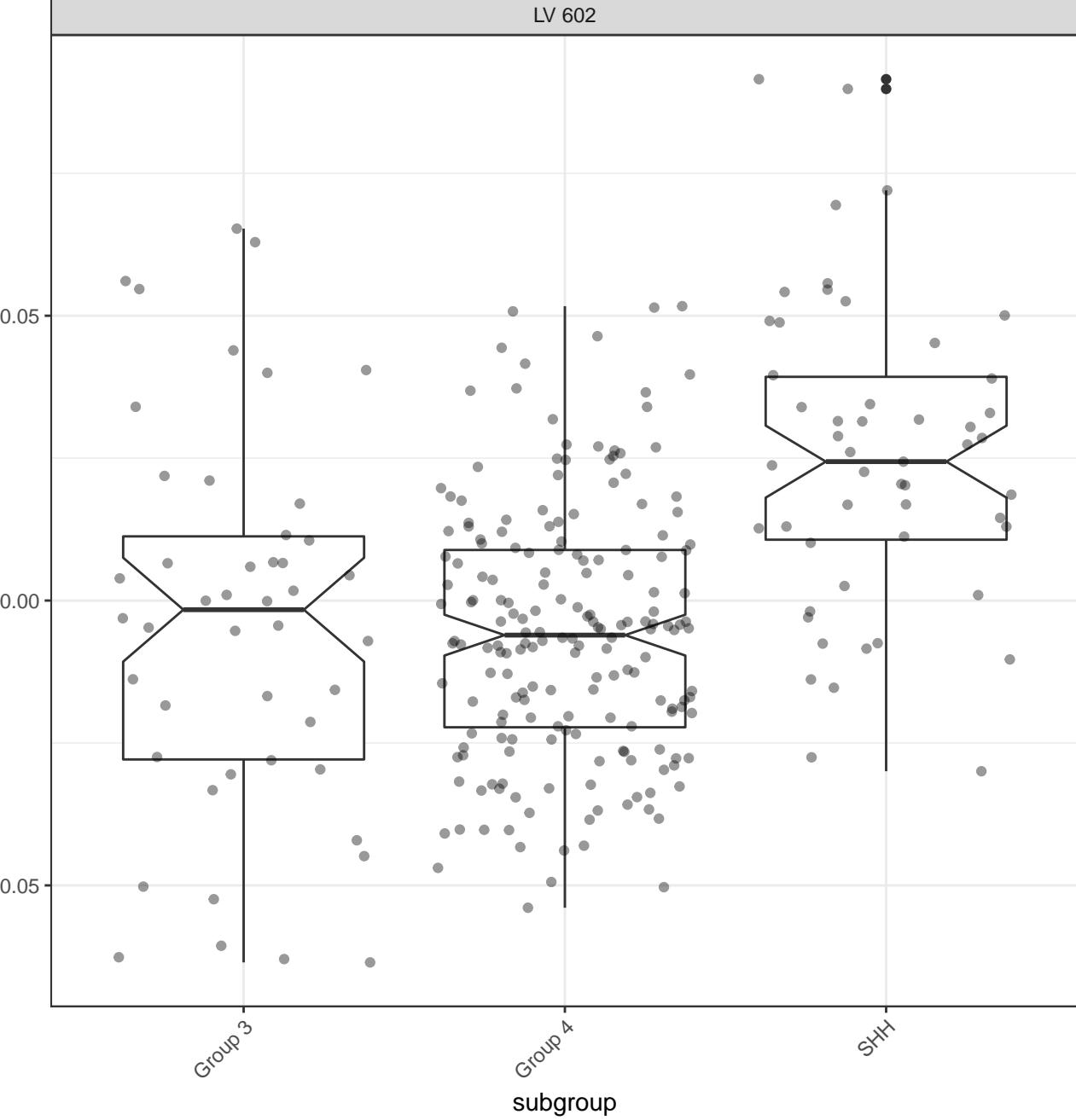
SHH

subgroup



LV 602

Value



603,SVM Neutrophils

Value

0.3

0.2

0.1

0.0

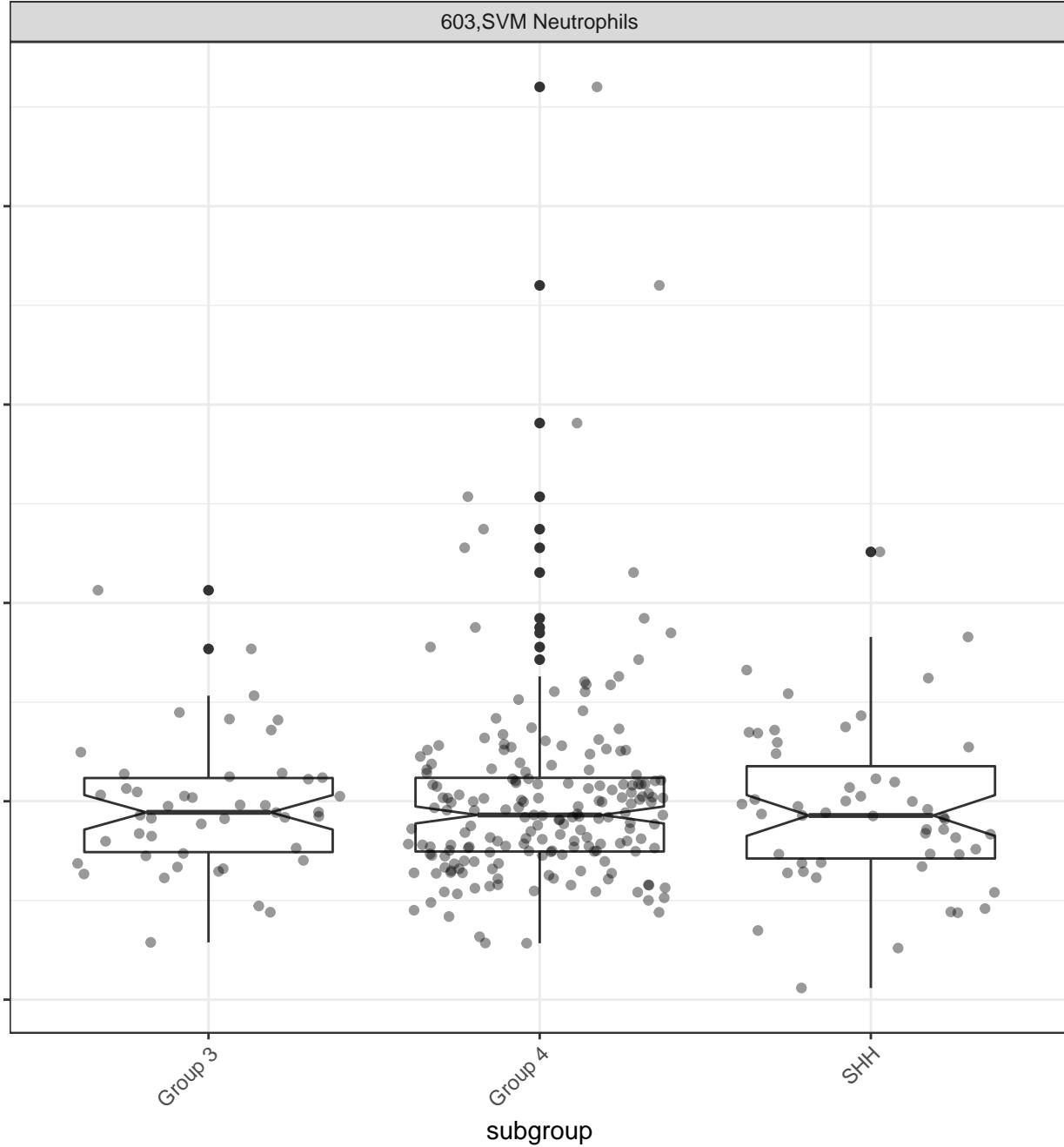
-0.1

Group 3

Group 4

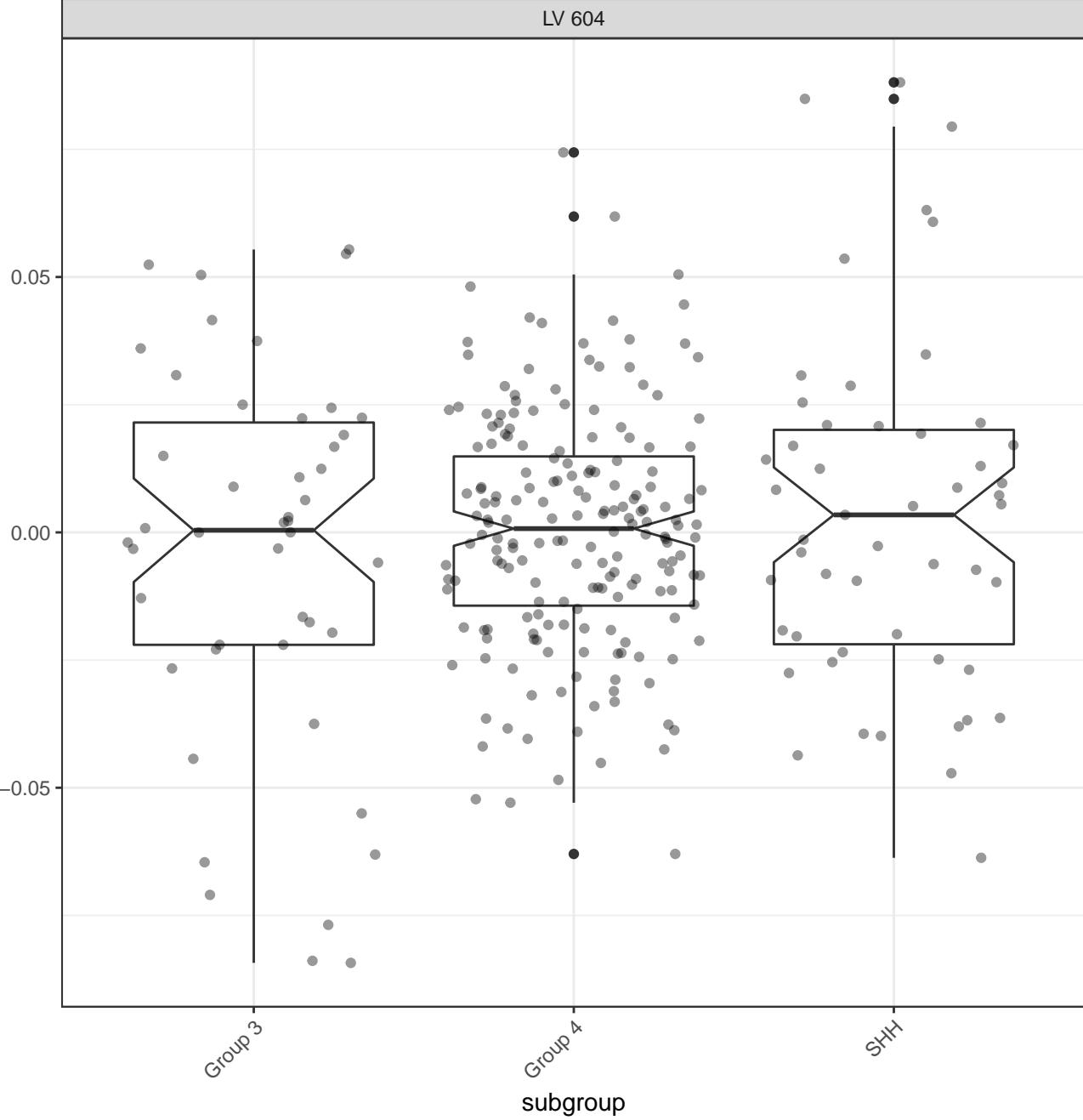
SHH

subgroup

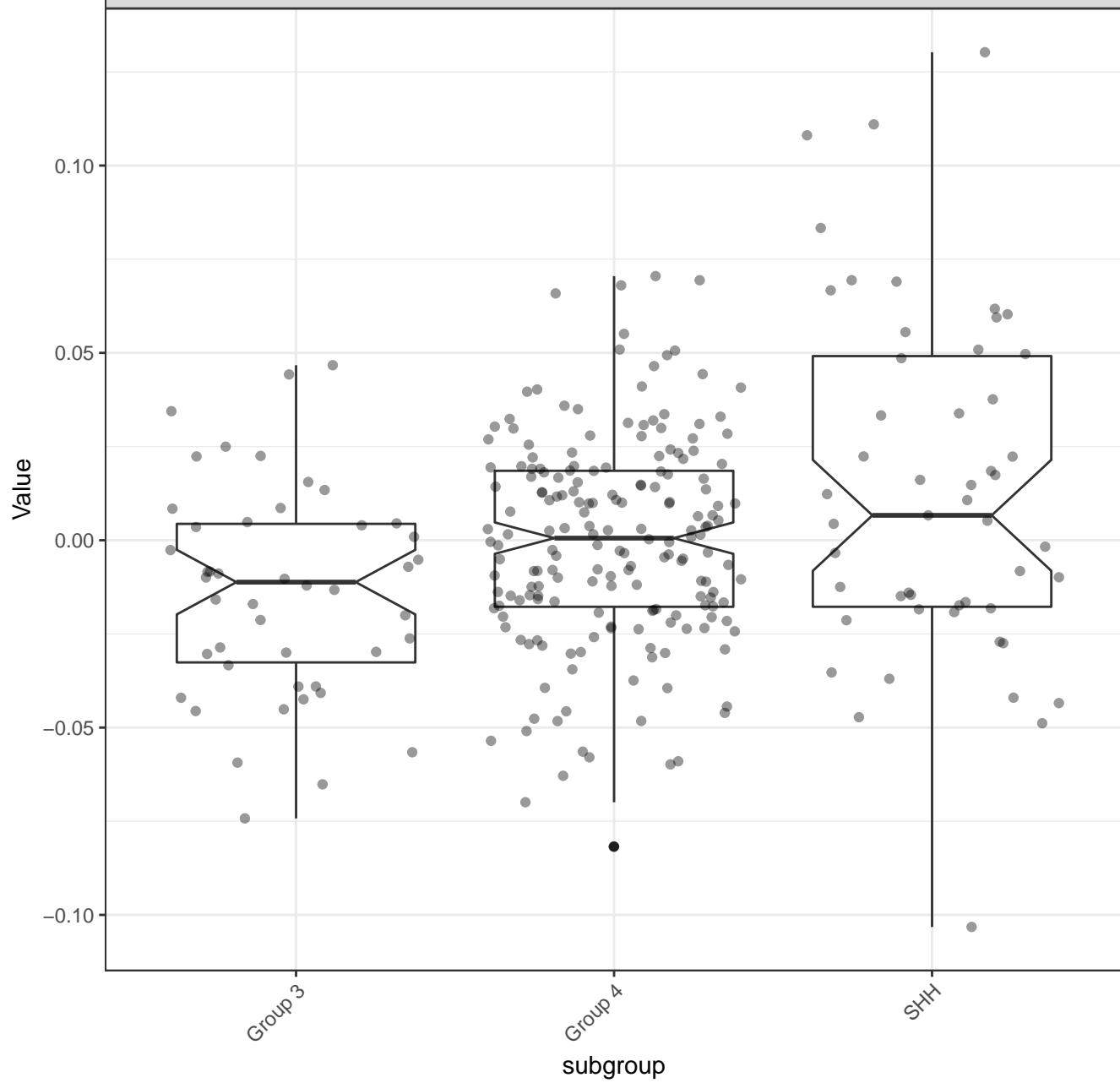


LV 604

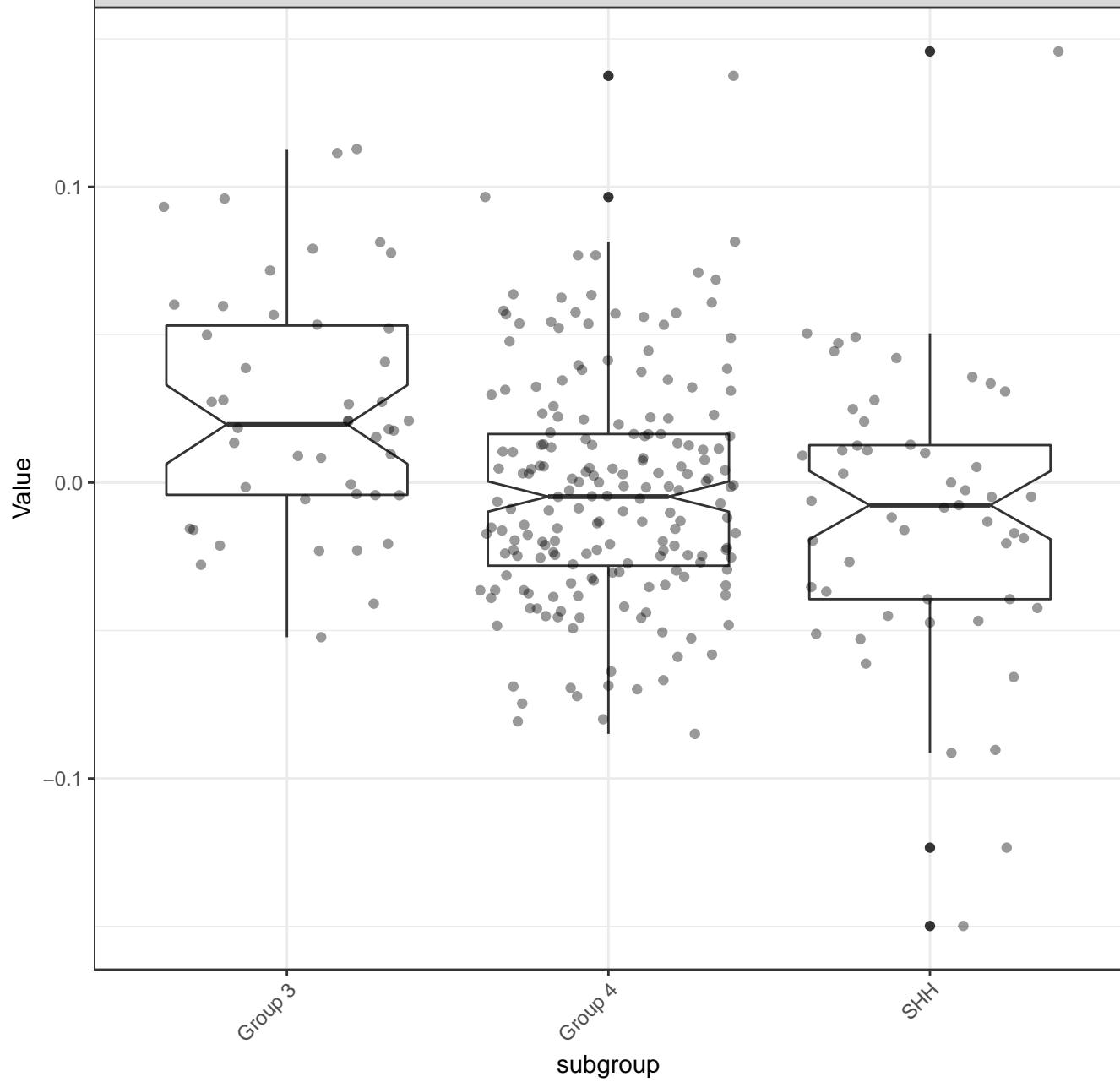
Value



605,ST_B_CELL_ANTIGEN_RECECTOR



LV 606



LV 607

Value

0.1

0.0

-0.1

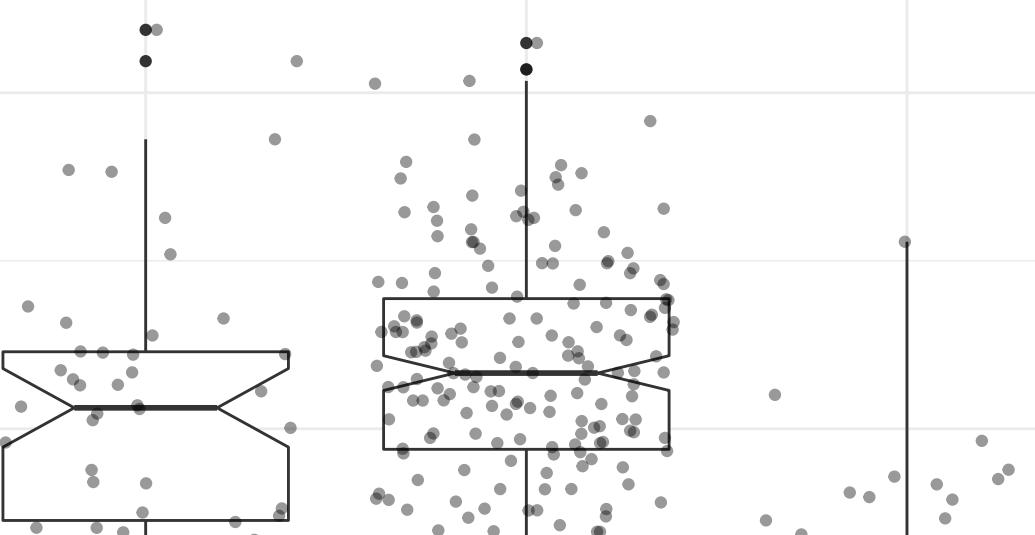
-0.2

Group 3

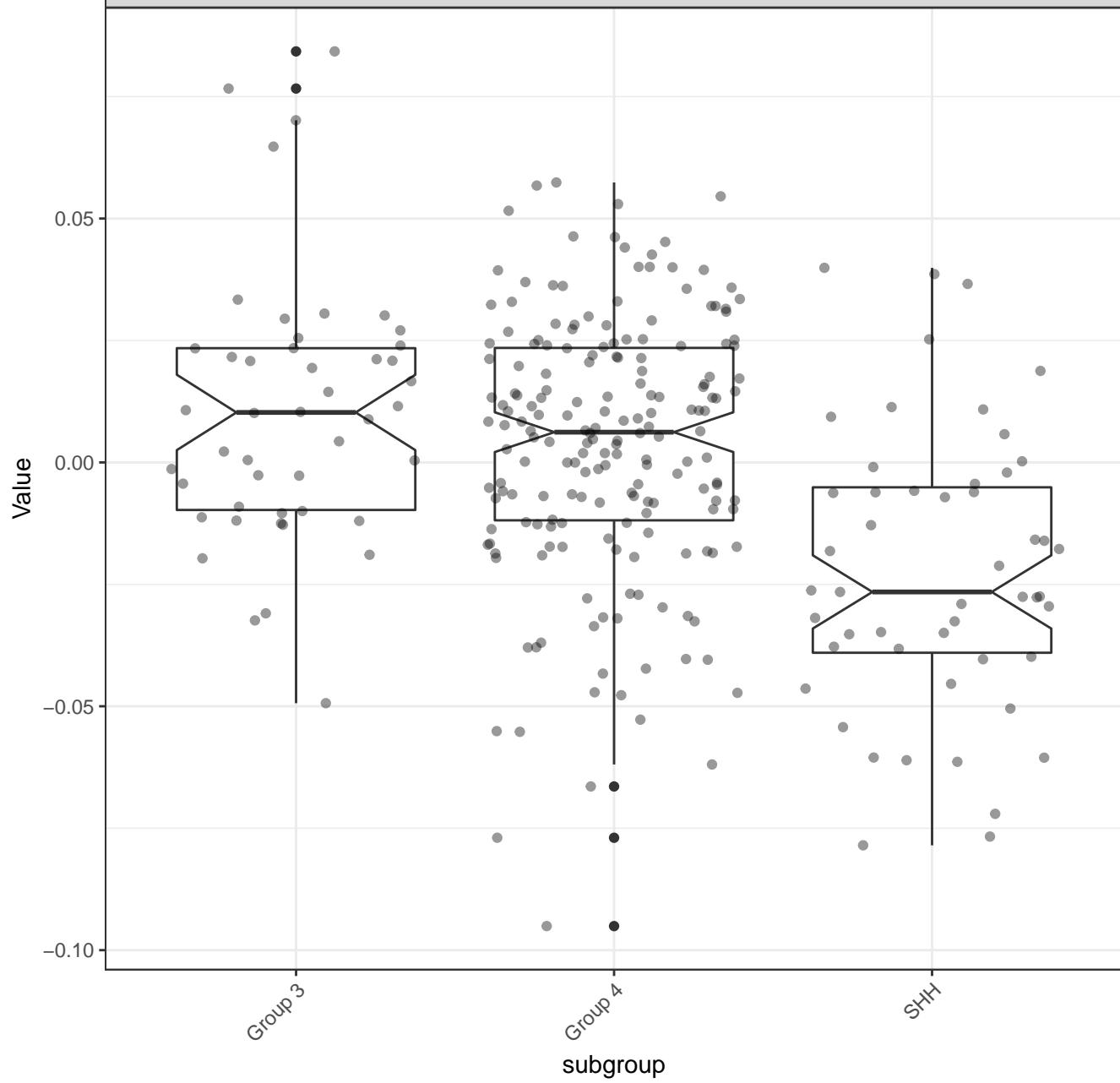
Group 4

SHH

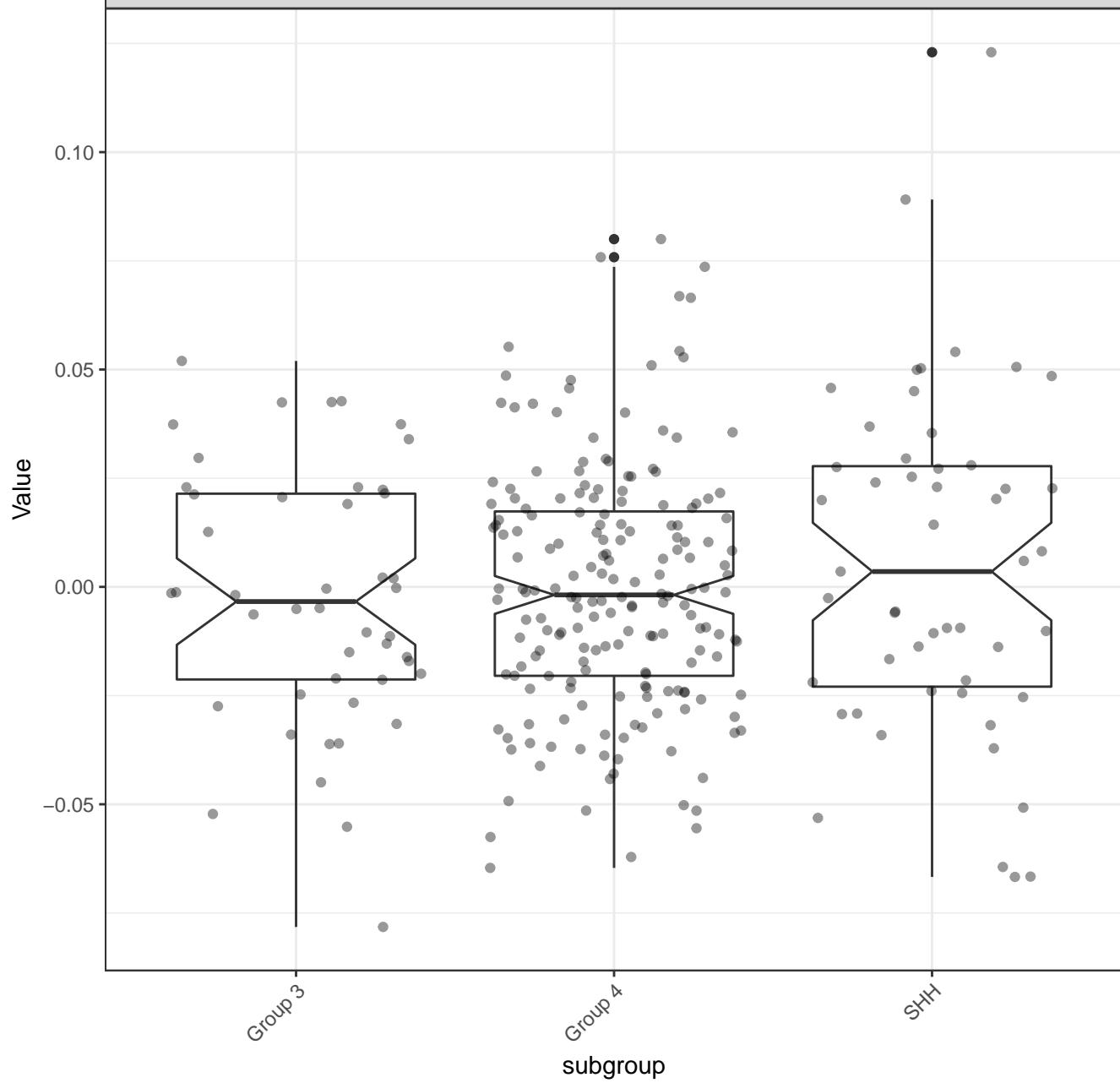
subgroup



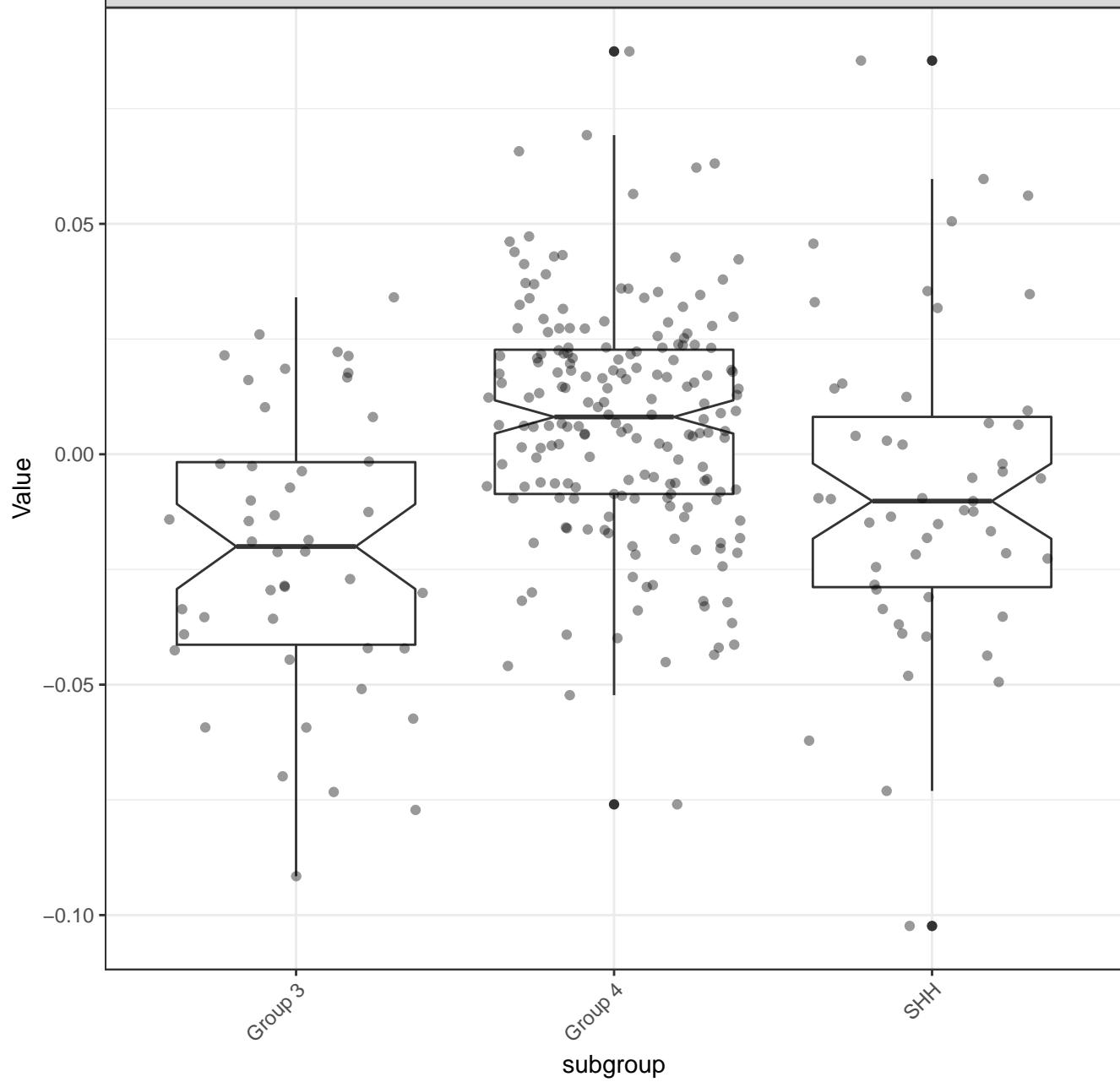
LV 608



LV 609



LV 610



LV 611

Value

0.10

0.05

0.00

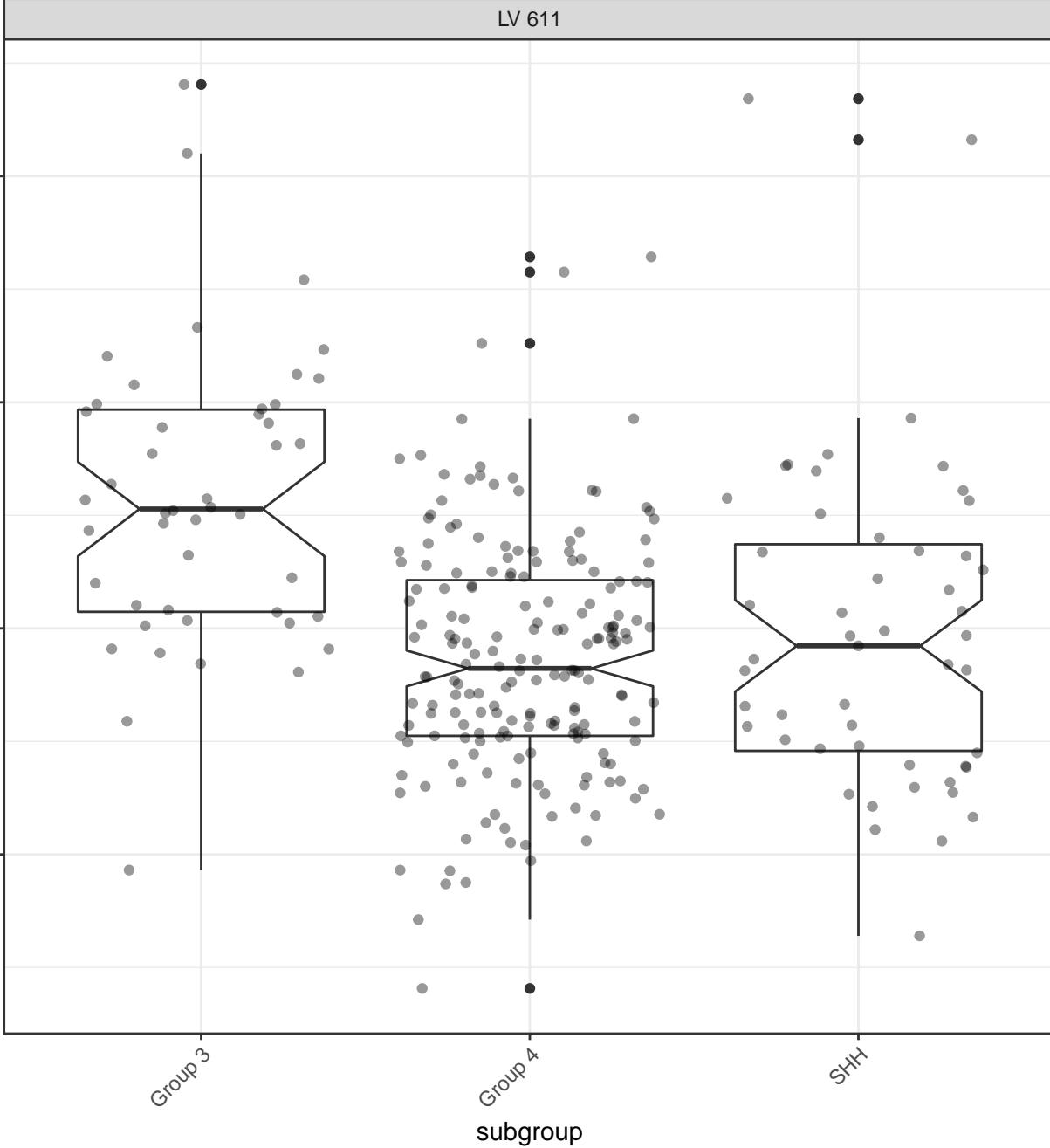
-0.05

Group 3

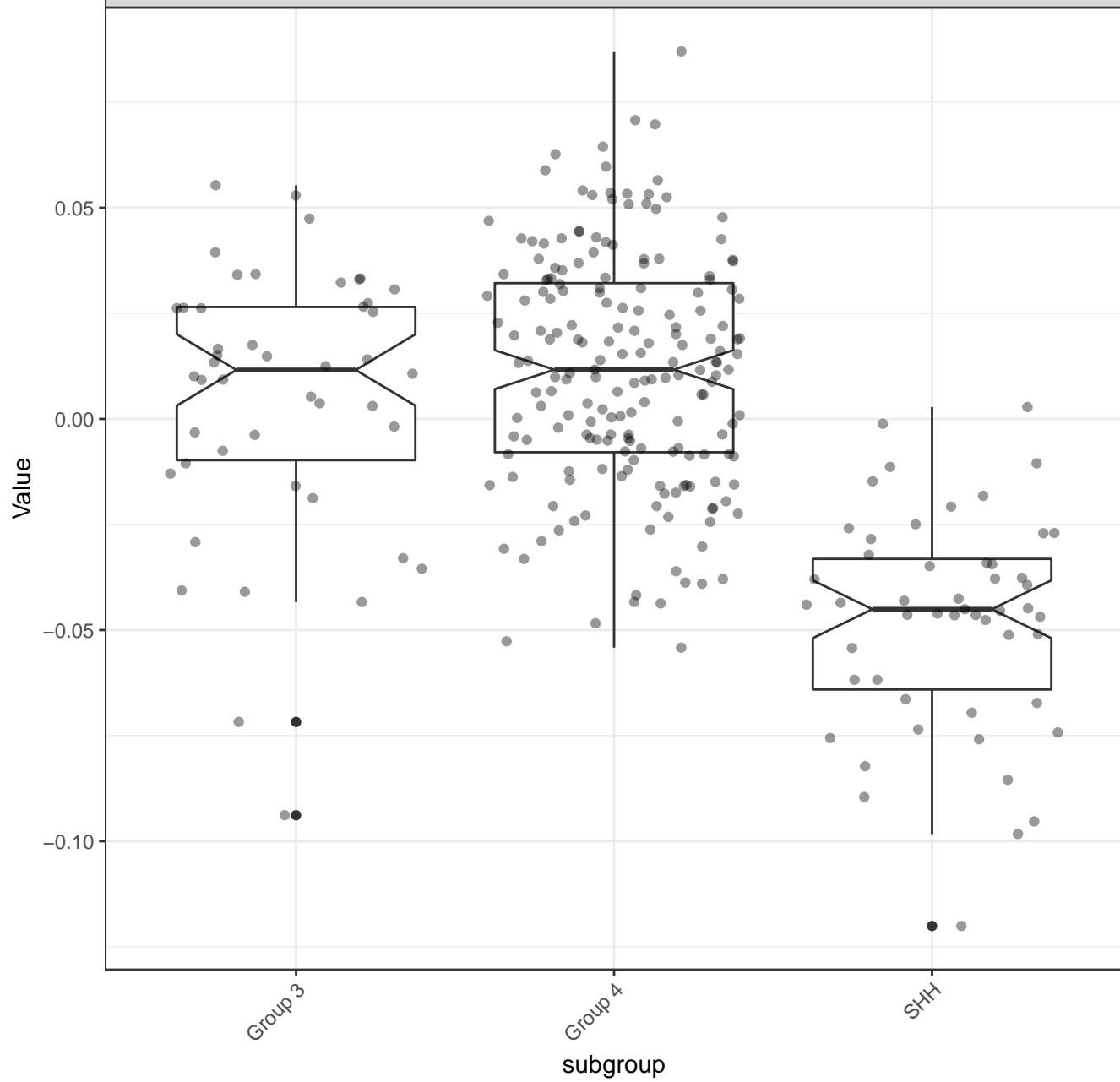
Group 4

SHH

subgroup



612,REACTOME_GAB1_SIGNALOSOME



613,KEGG_LYSOSOME

Value

0.4

0.2

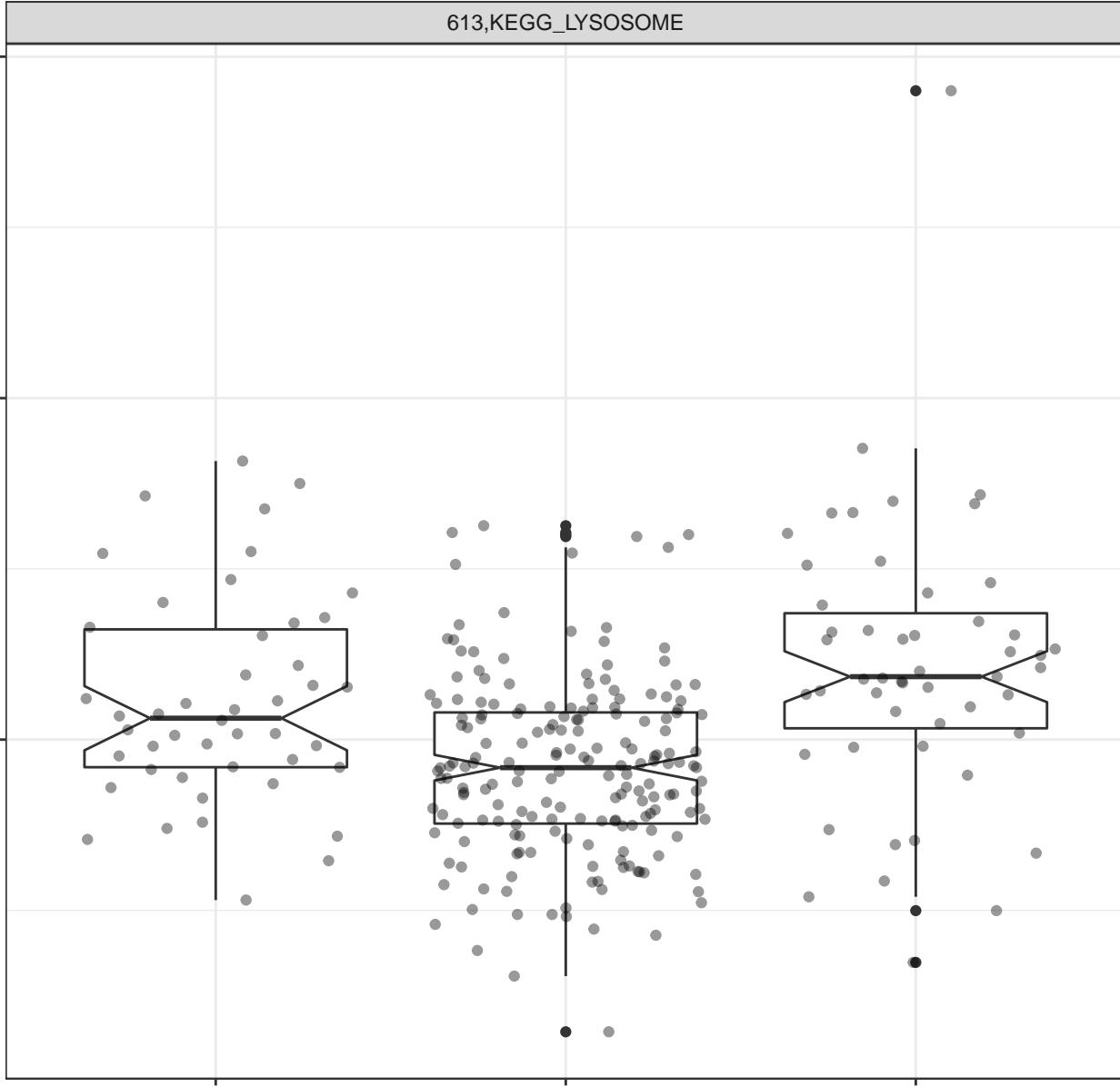
0.0

Group 3

Group 4

SHH

subgroup



LV 614

Value

0.10

0.05

0.00

-0.05

-0.10

Group 3

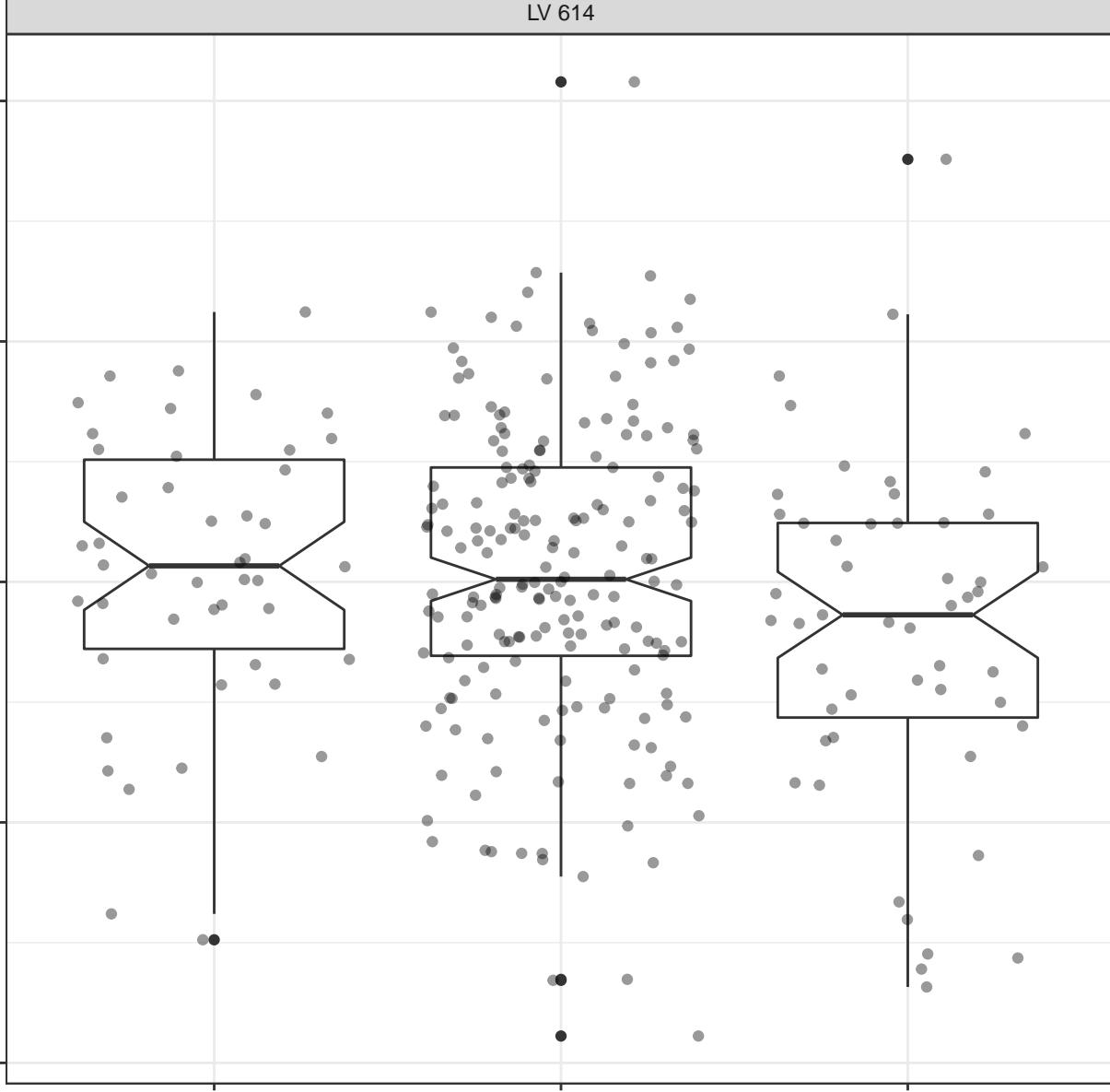
subgroup

SHH

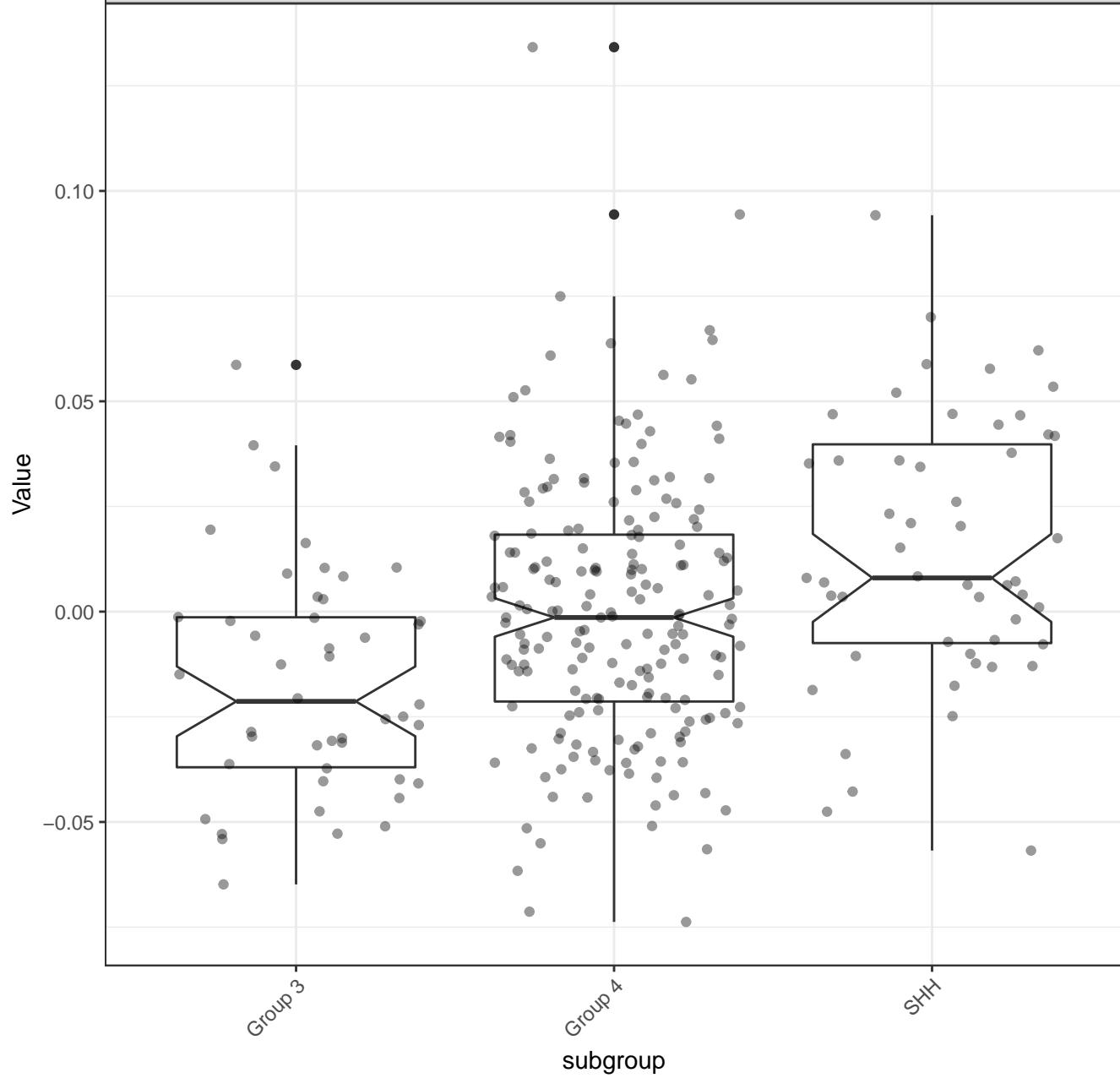
Group 4

subgroup

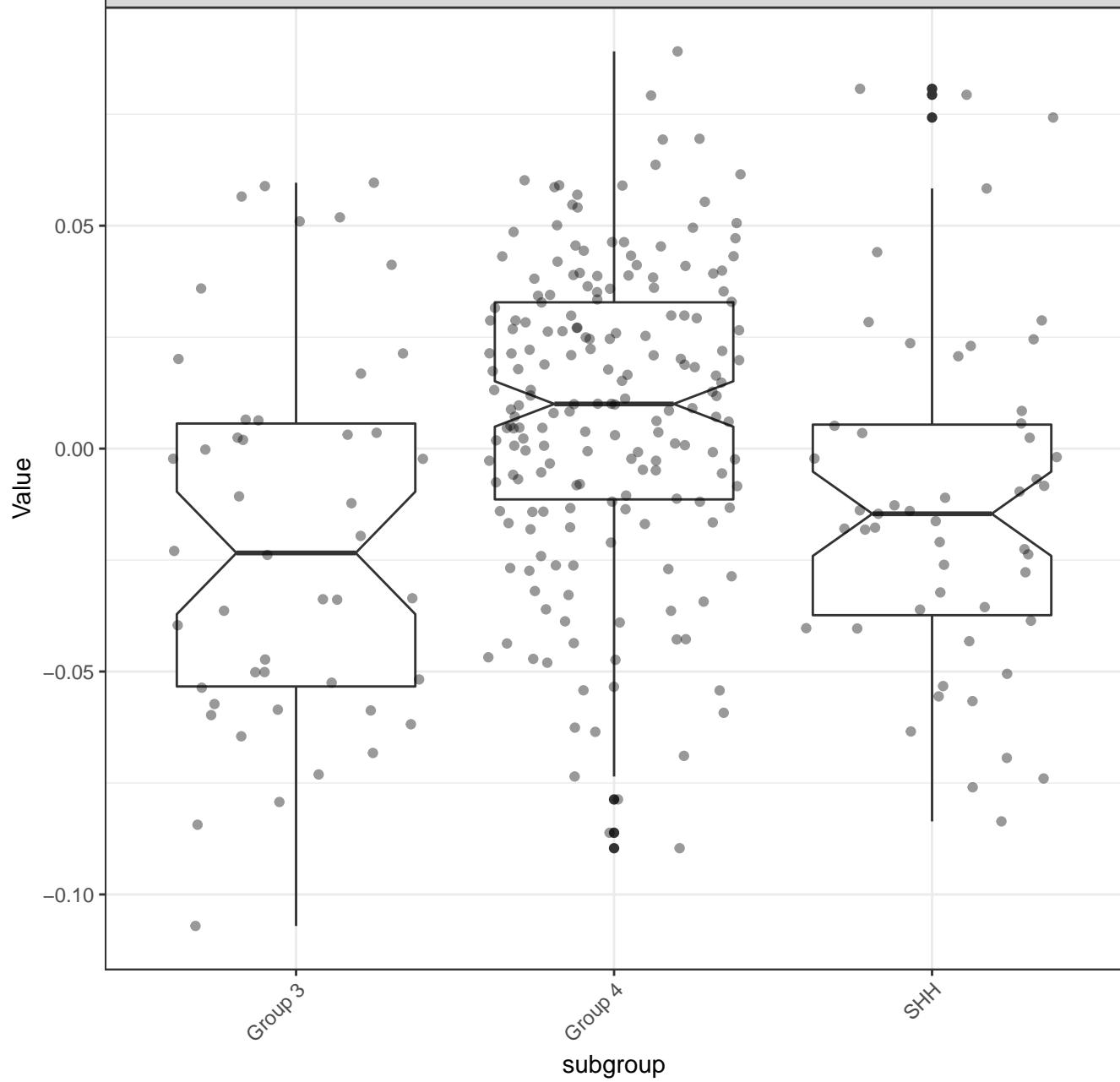
LV 614



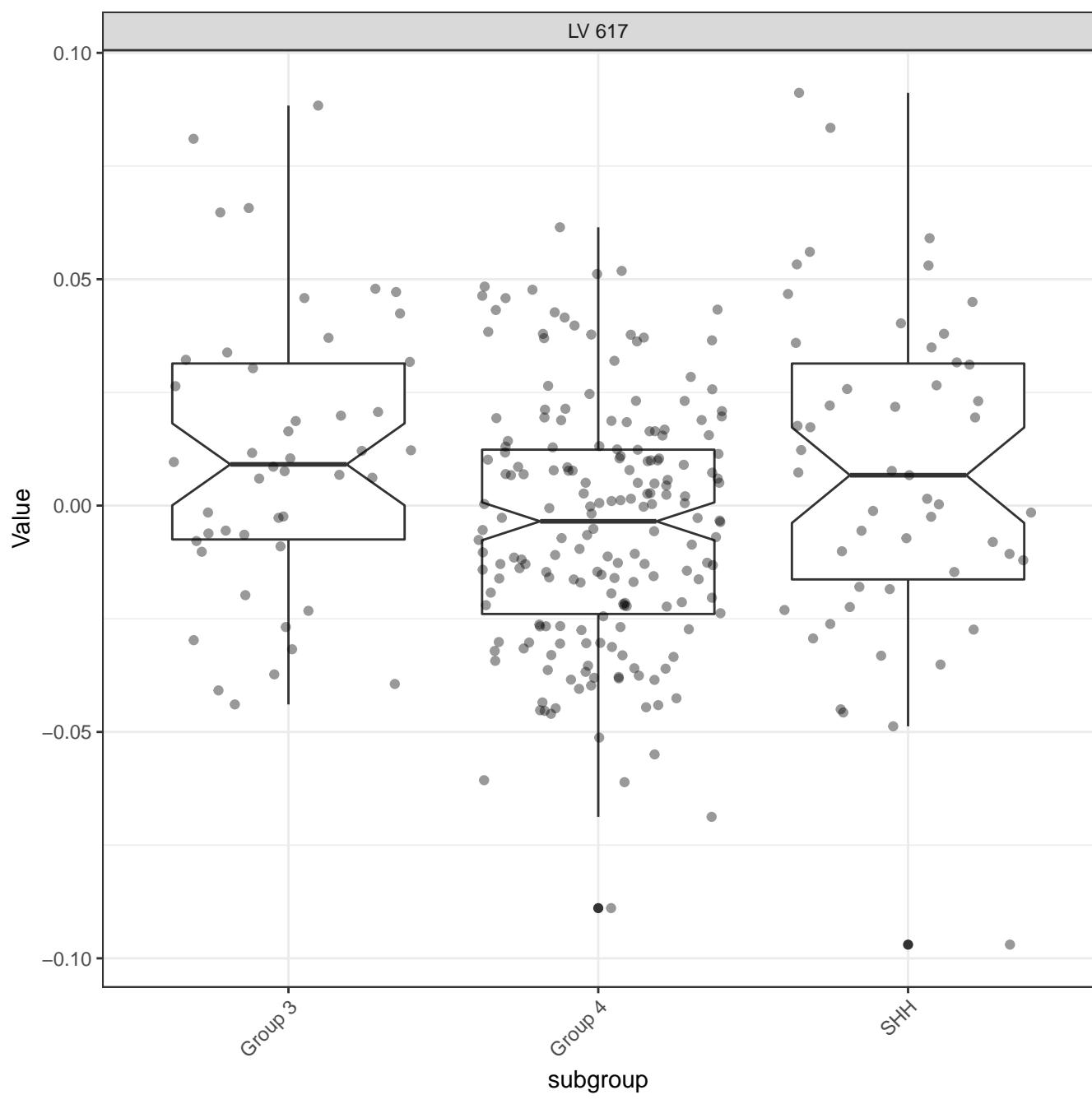
LV 615



LV 616



LV 617



LV 618

Value

0.4

0.3

0.2

0.1

0.0

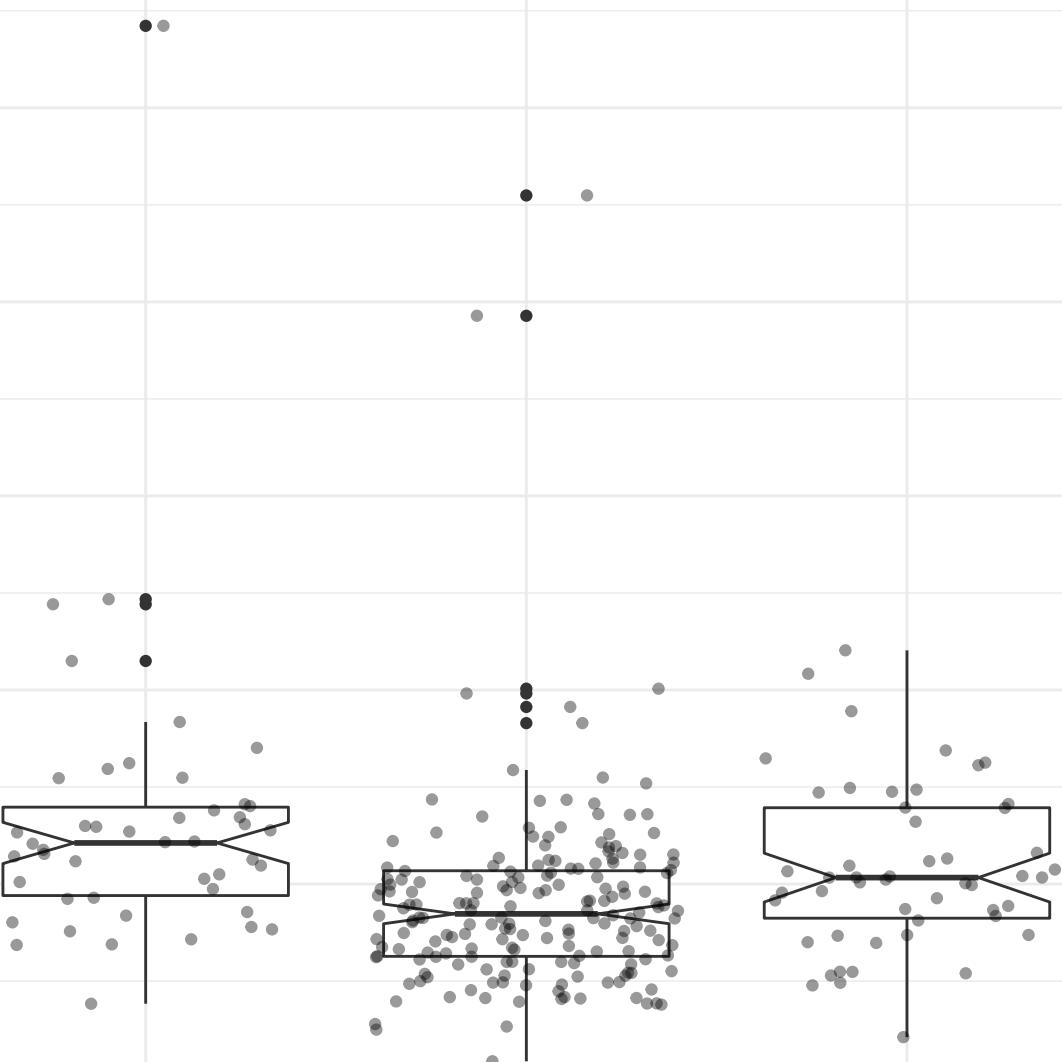
-0.1

Group 3

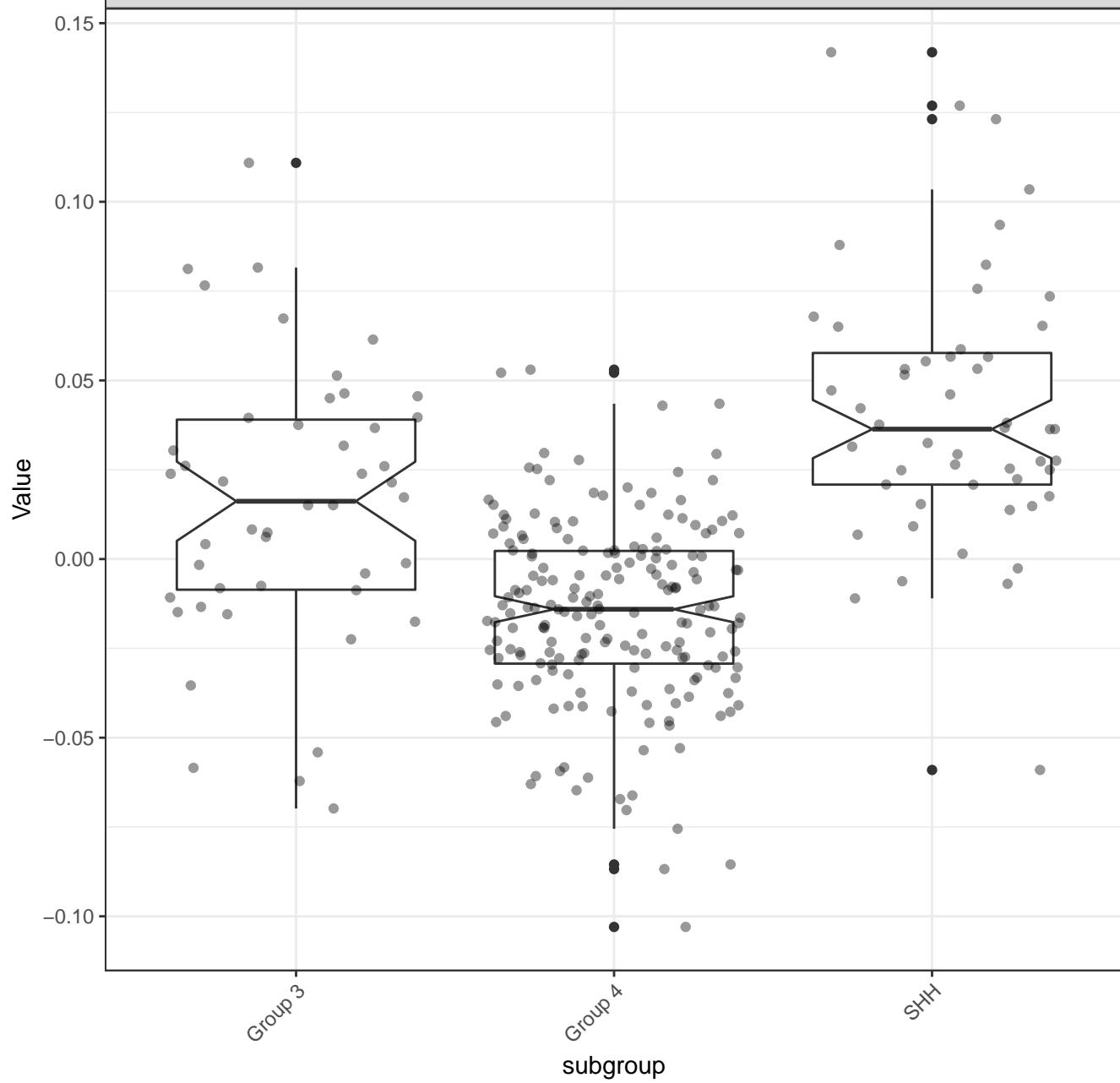
Group 4

SHH

subgroup



LV 619



Value

0.05

0.00

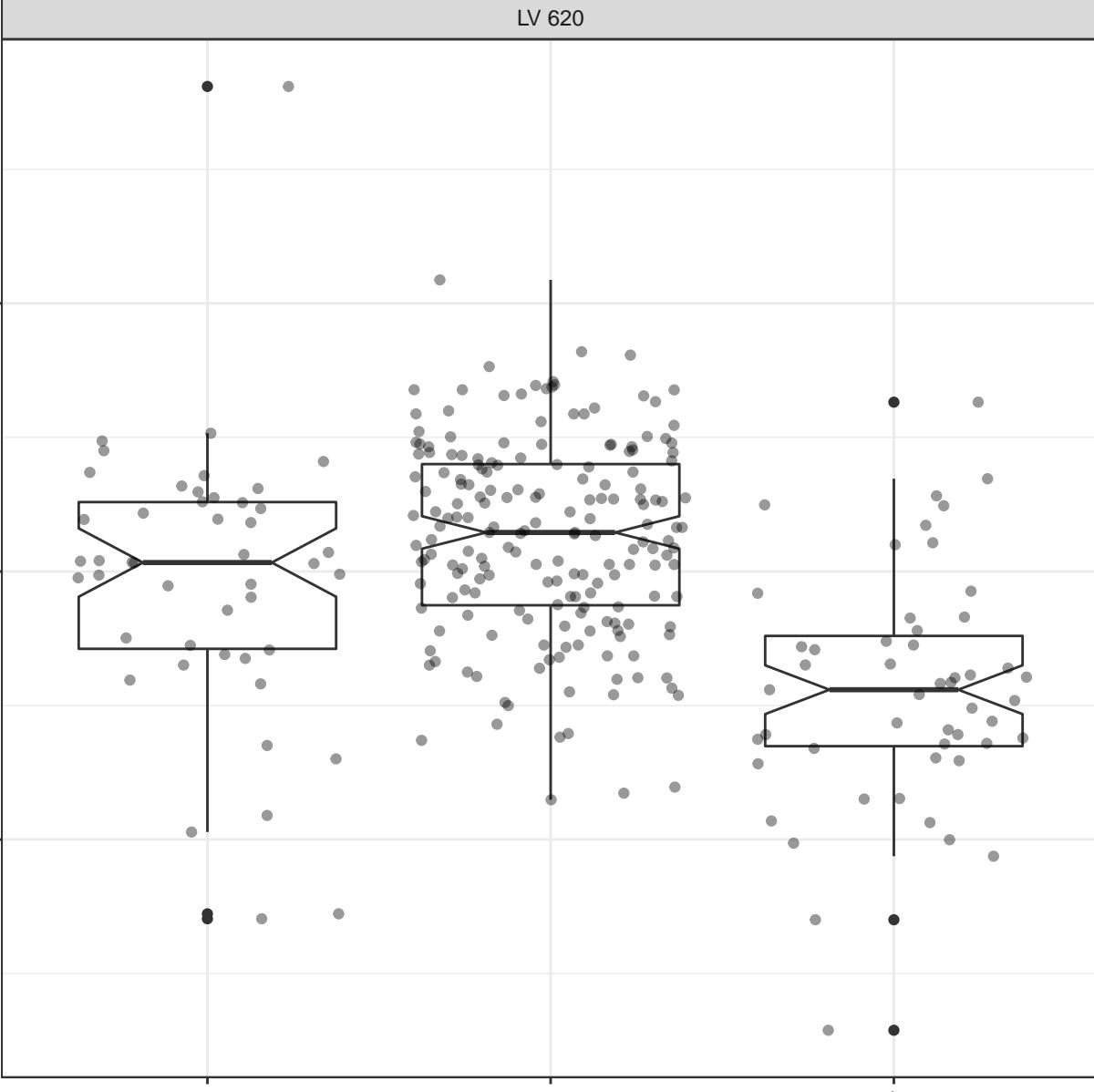
-0.05

Group 3

Group 4

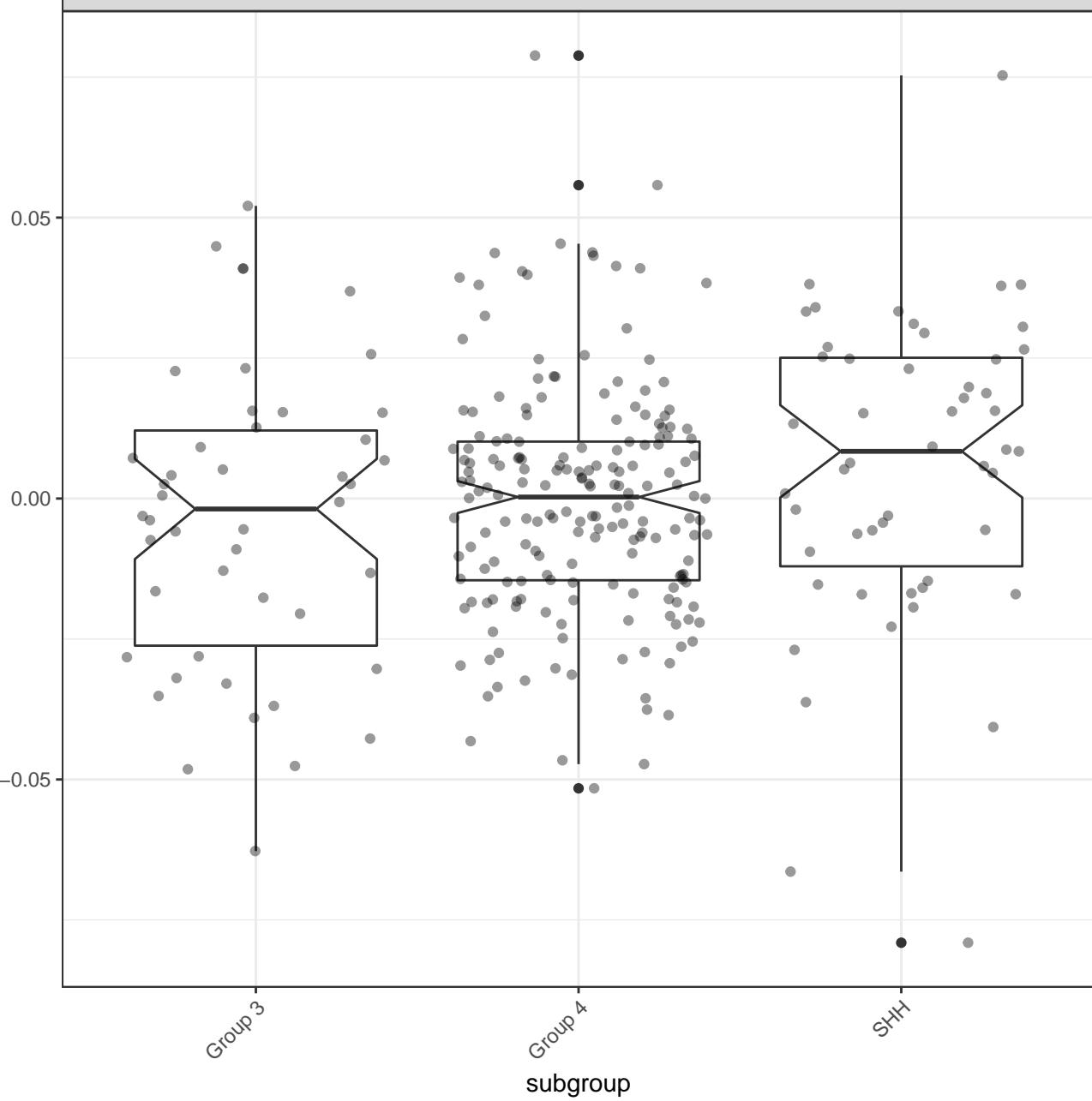
SHH

subgroup

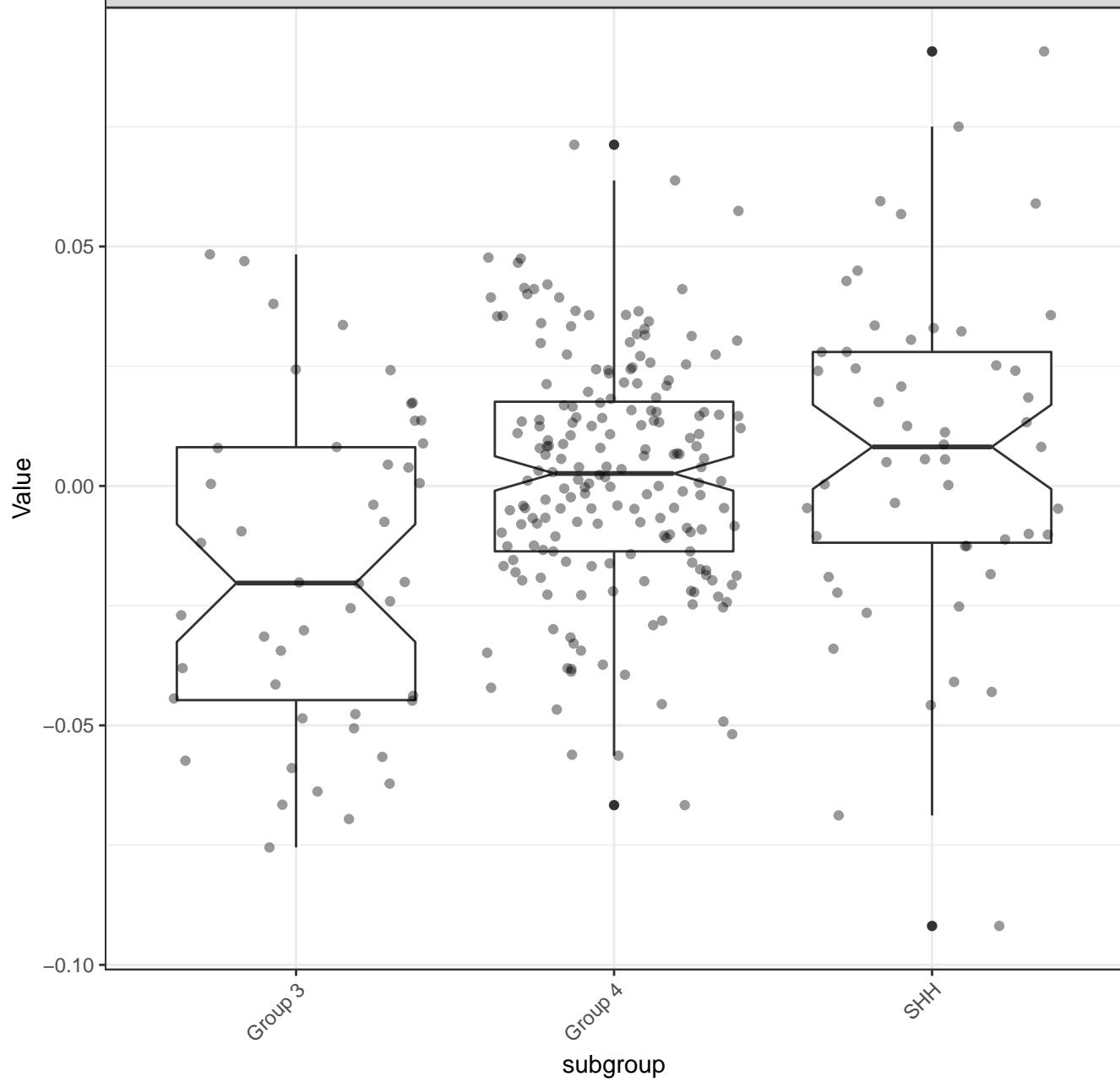


LV 621

Value

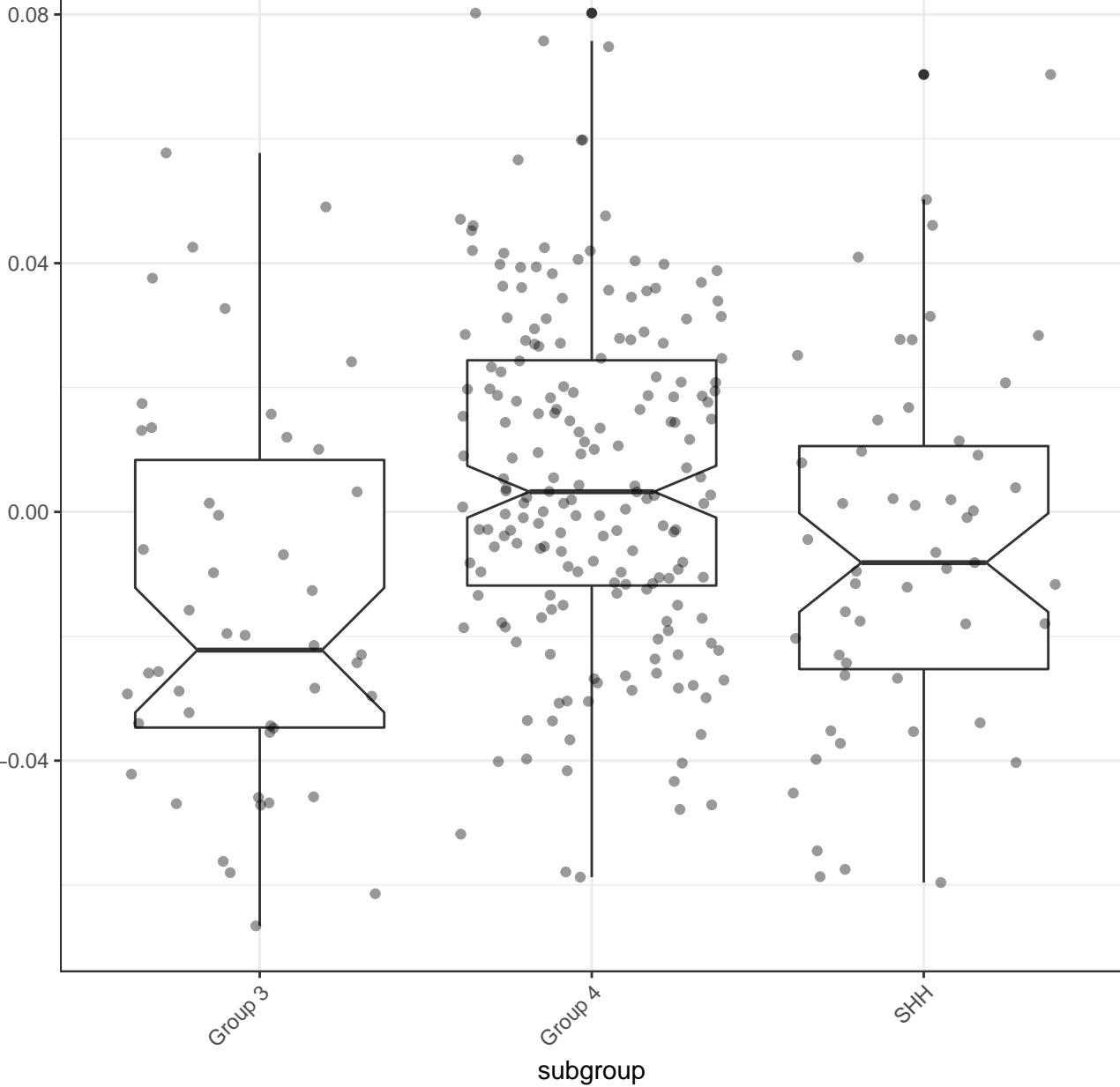


LV 622



LV 623

Vvalue



Value

0.2

0.1

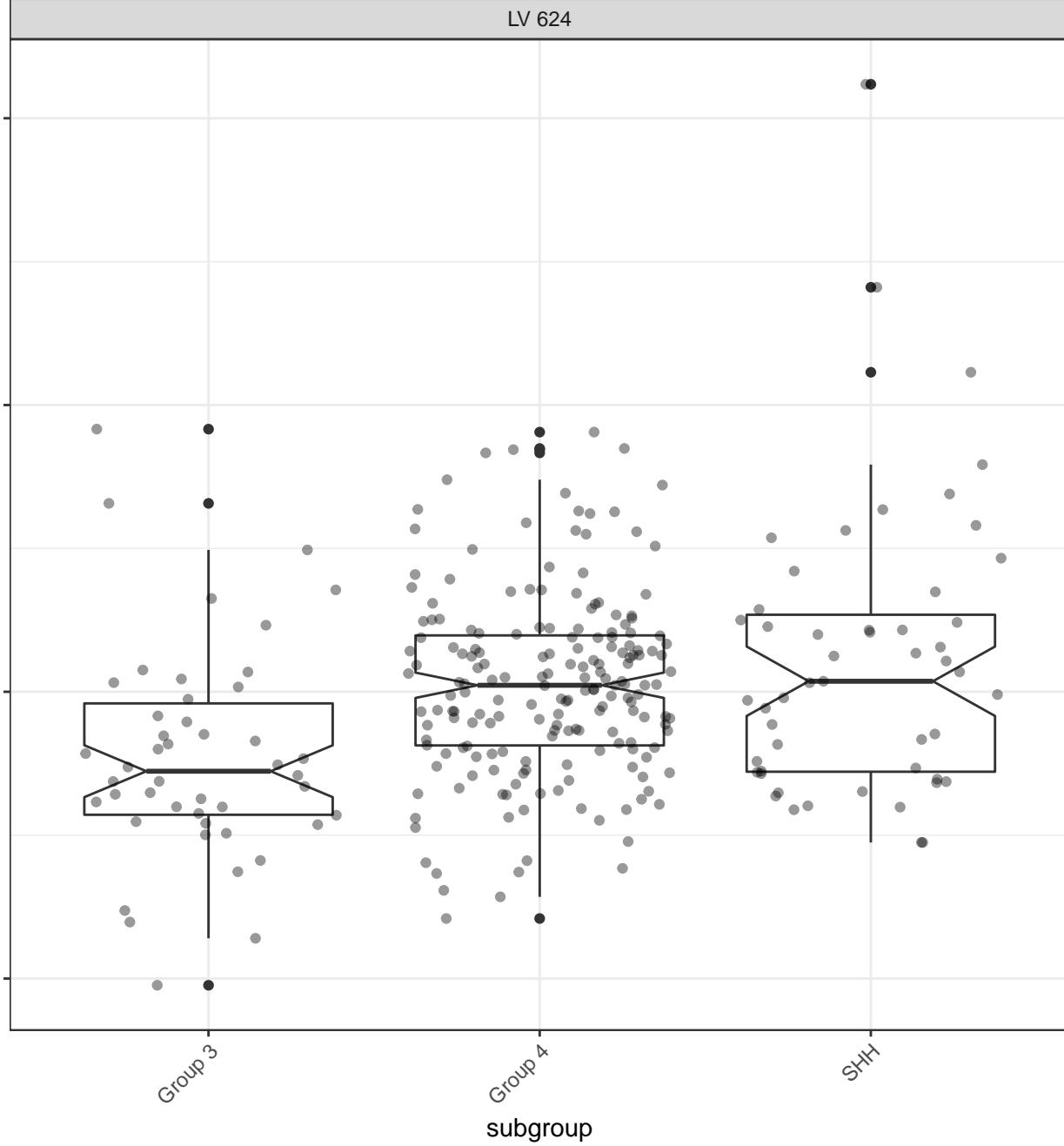
0.0

-0.1

Group³Group⁴

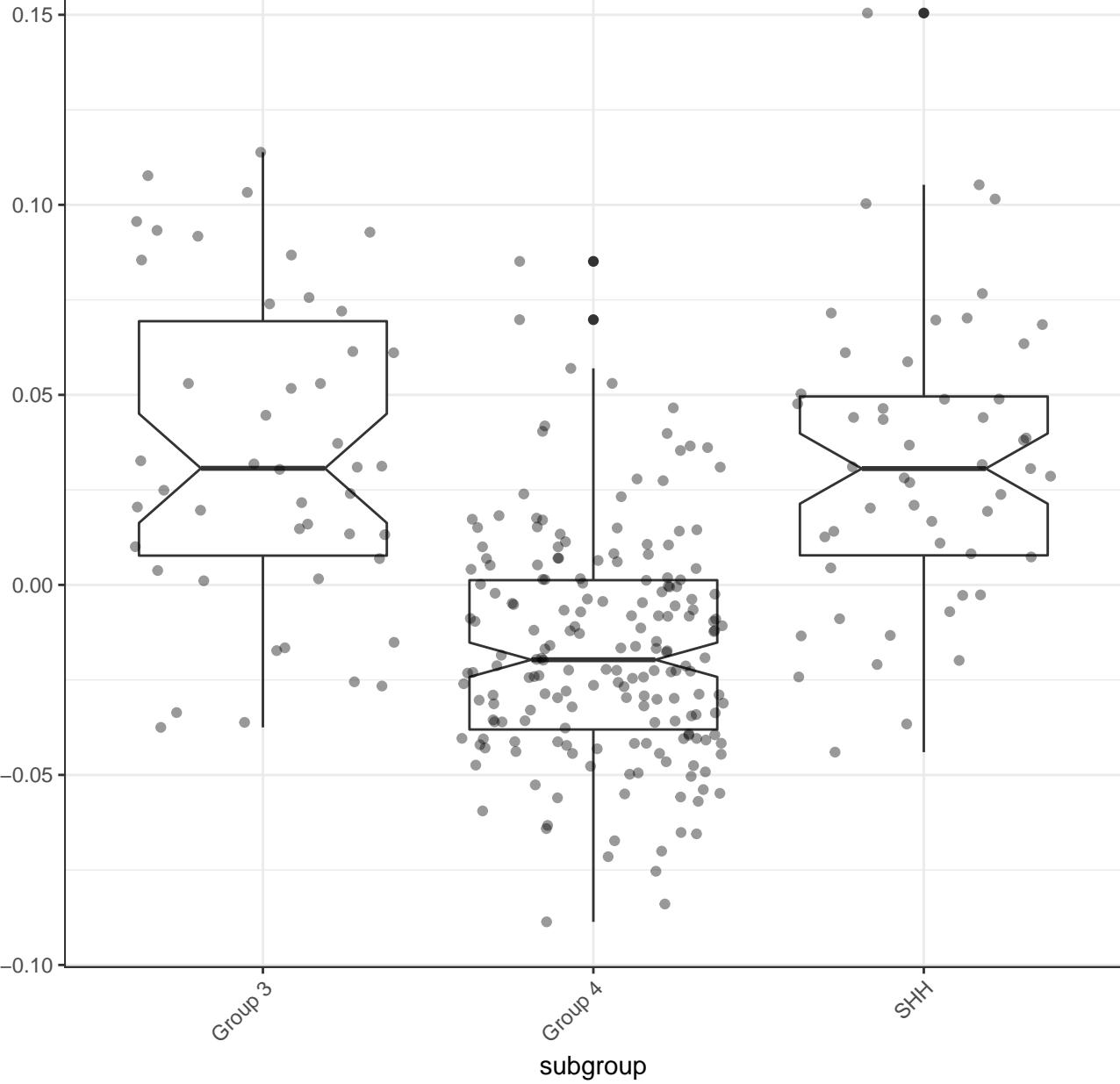
SHH

subgroup

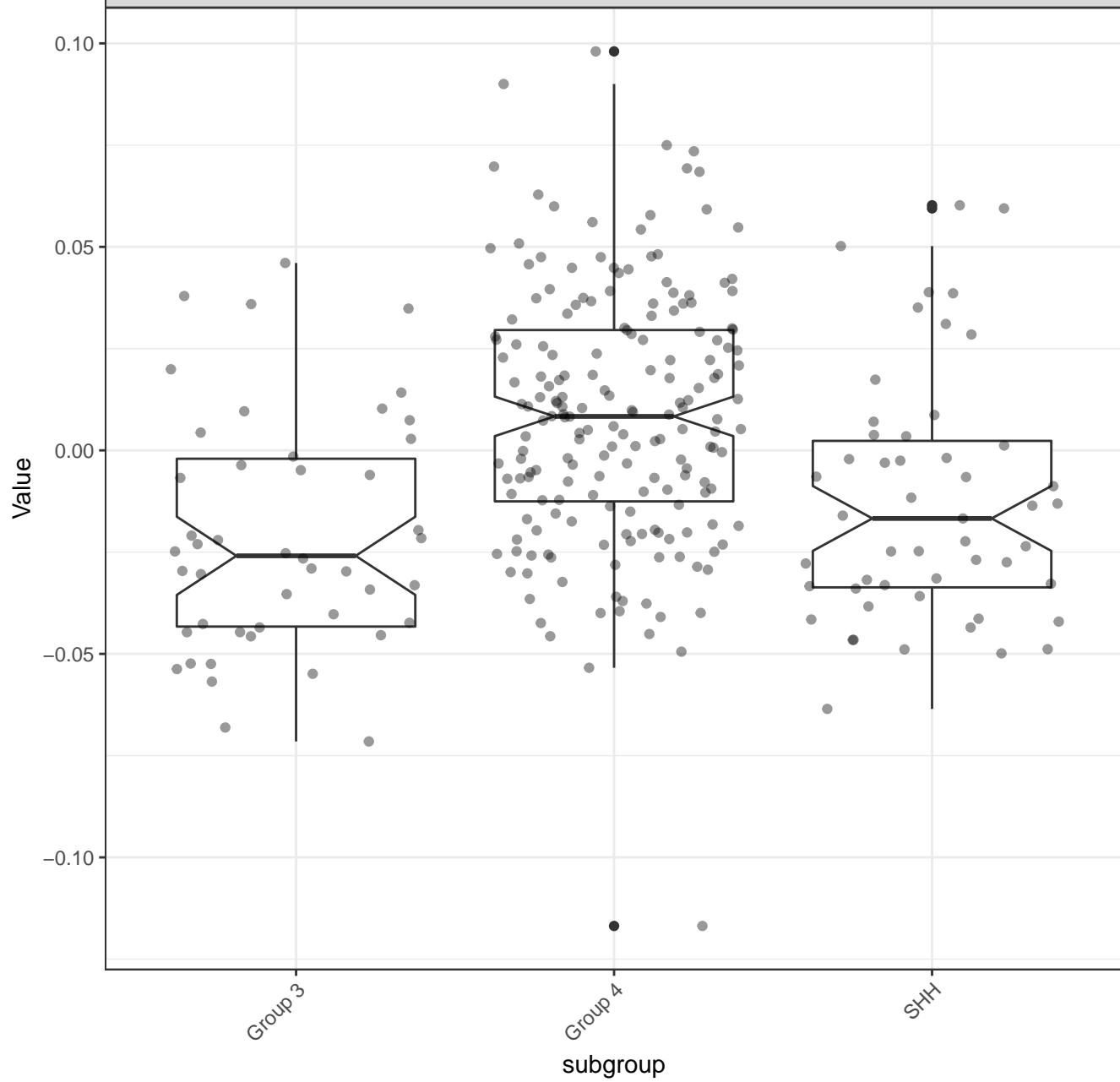


LV 625

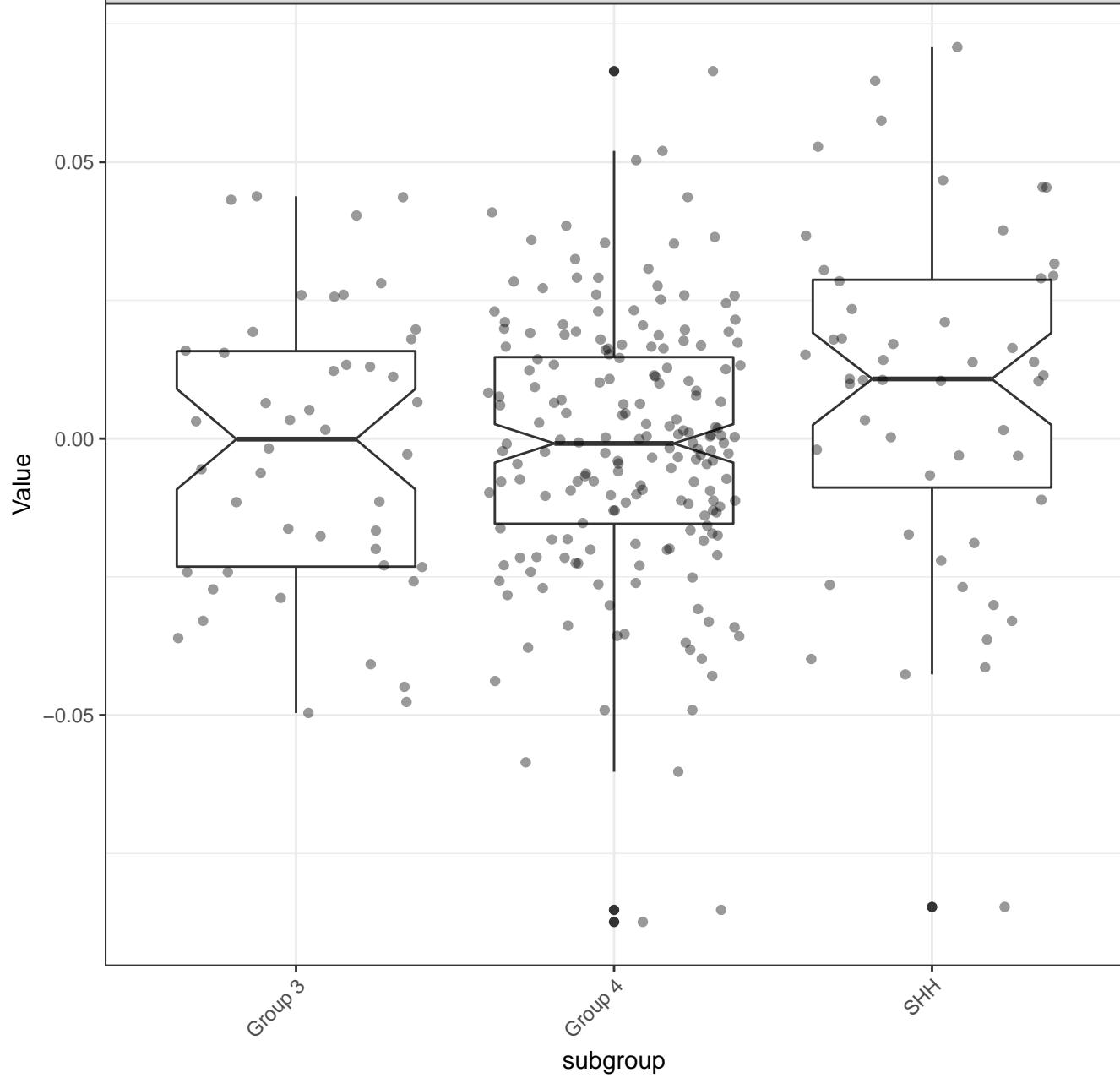
Value



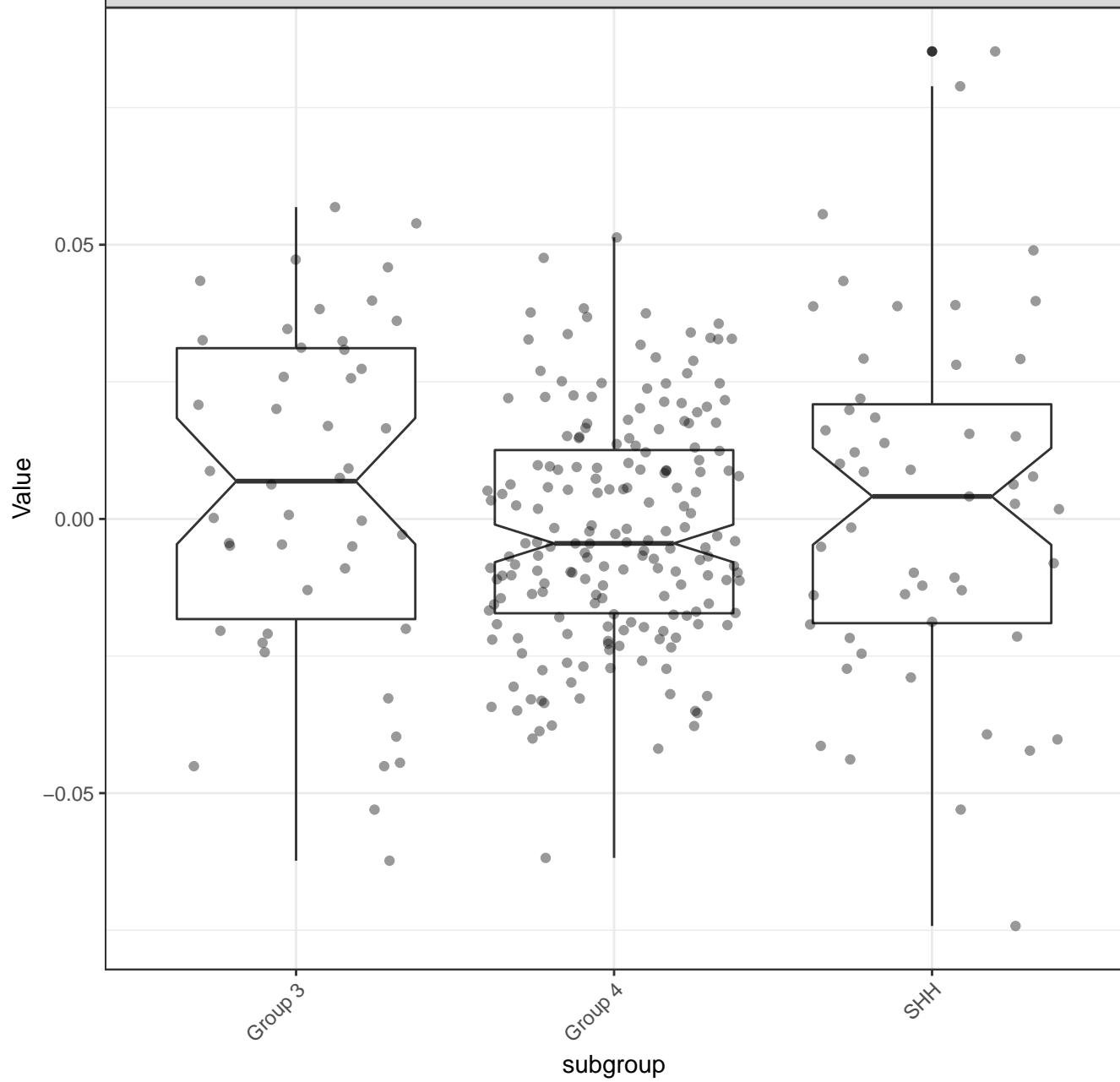
LV 626



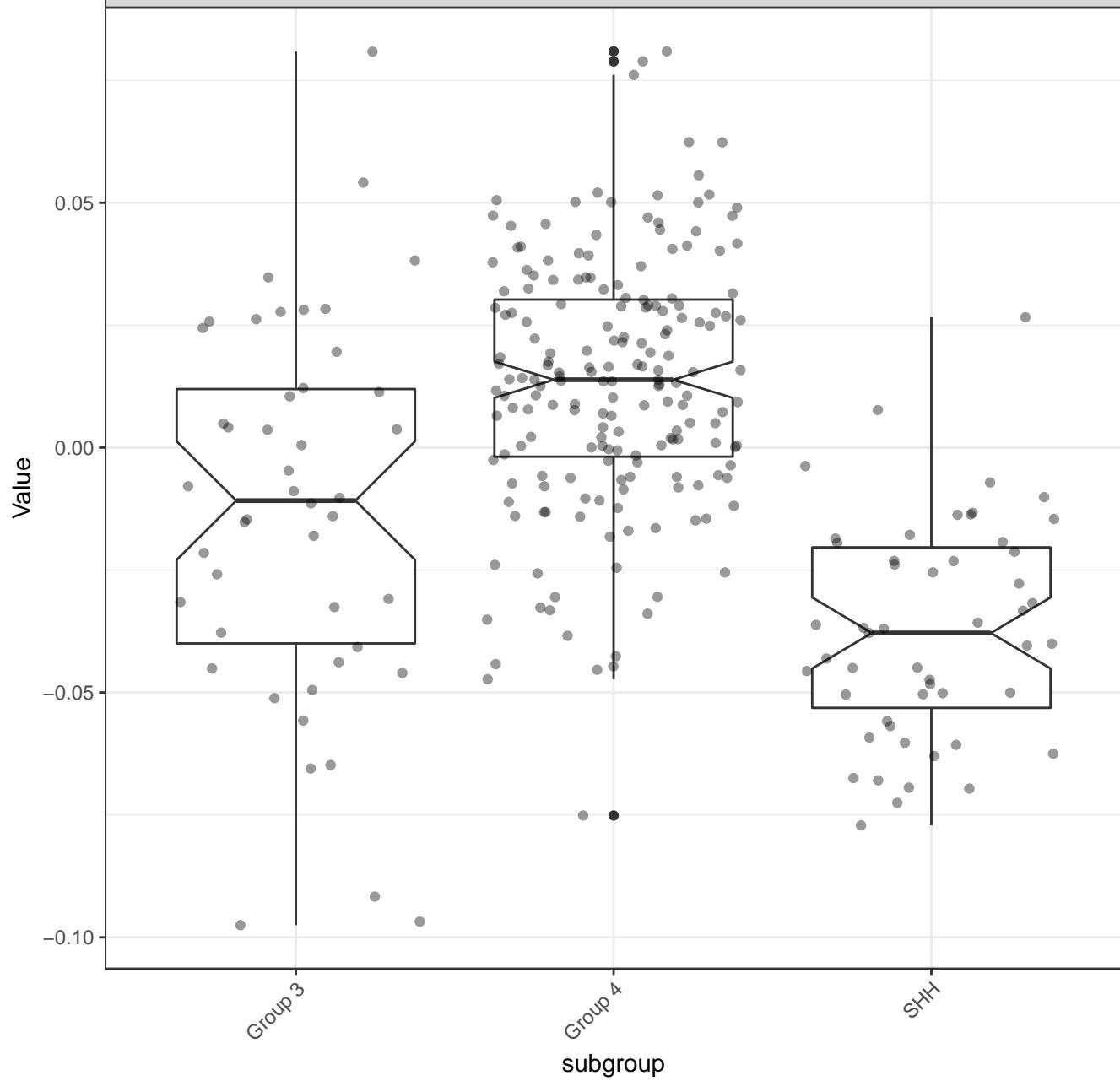
LV 627



LV 628



LV 629



LV 630

Value

0.10

0.05

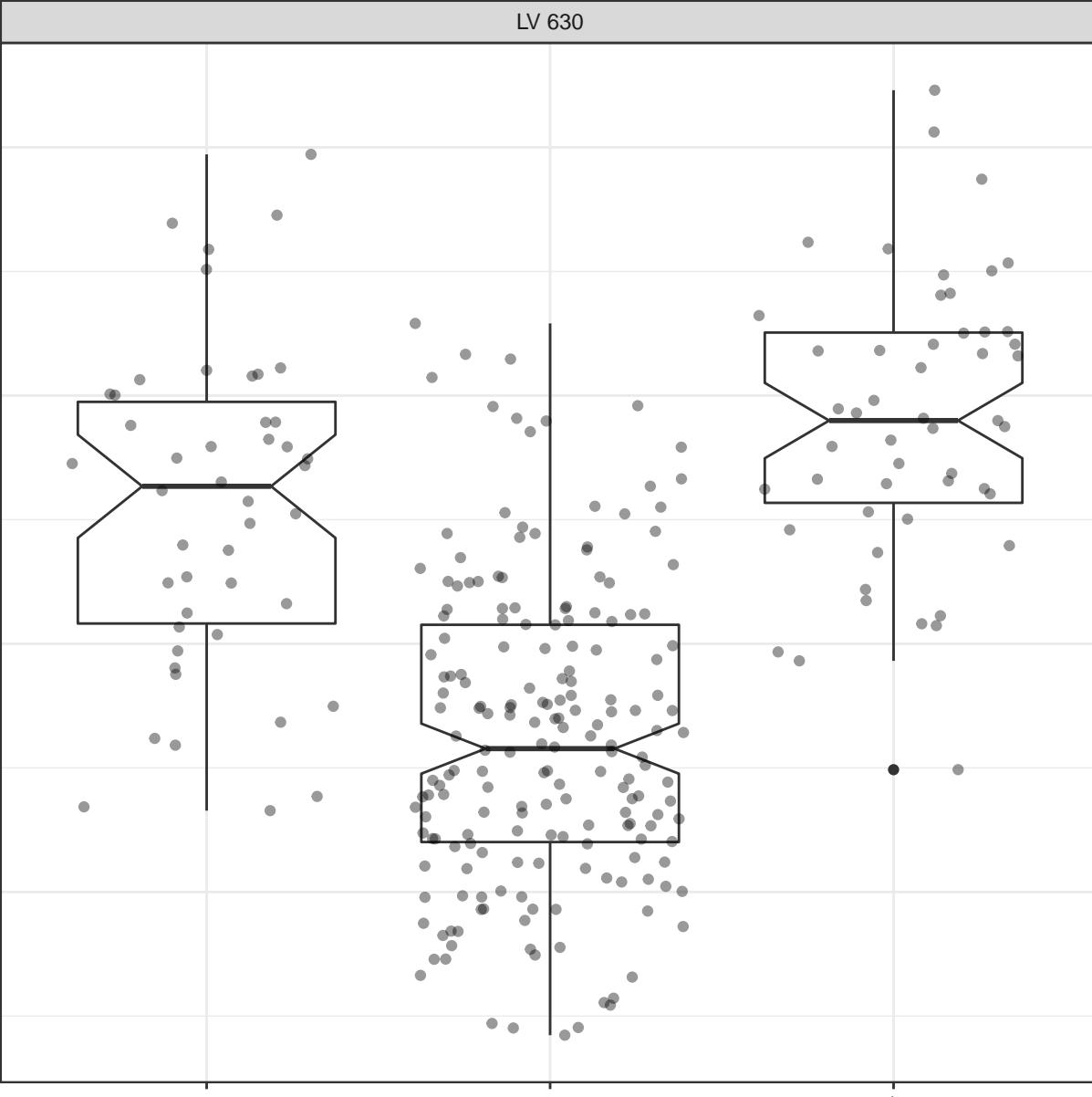
0.00

-0.05

Group 3

subgroup

SHH



LV 631

Value

0.05

0.00

-0.05

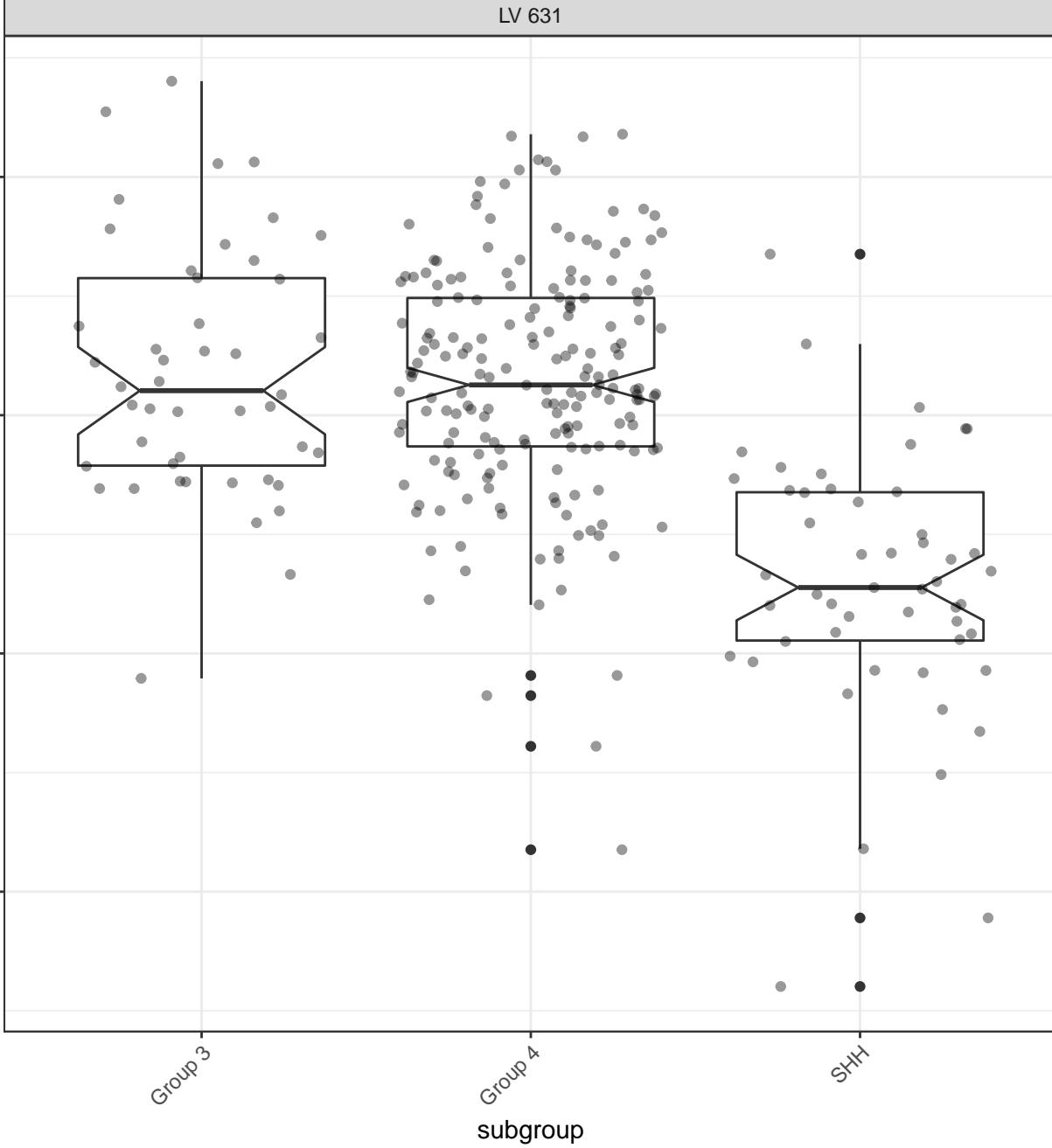
-0.10

Group 3

Group 4

SHH

subgroup



LV 632

Value

0.10

0.05

0.00

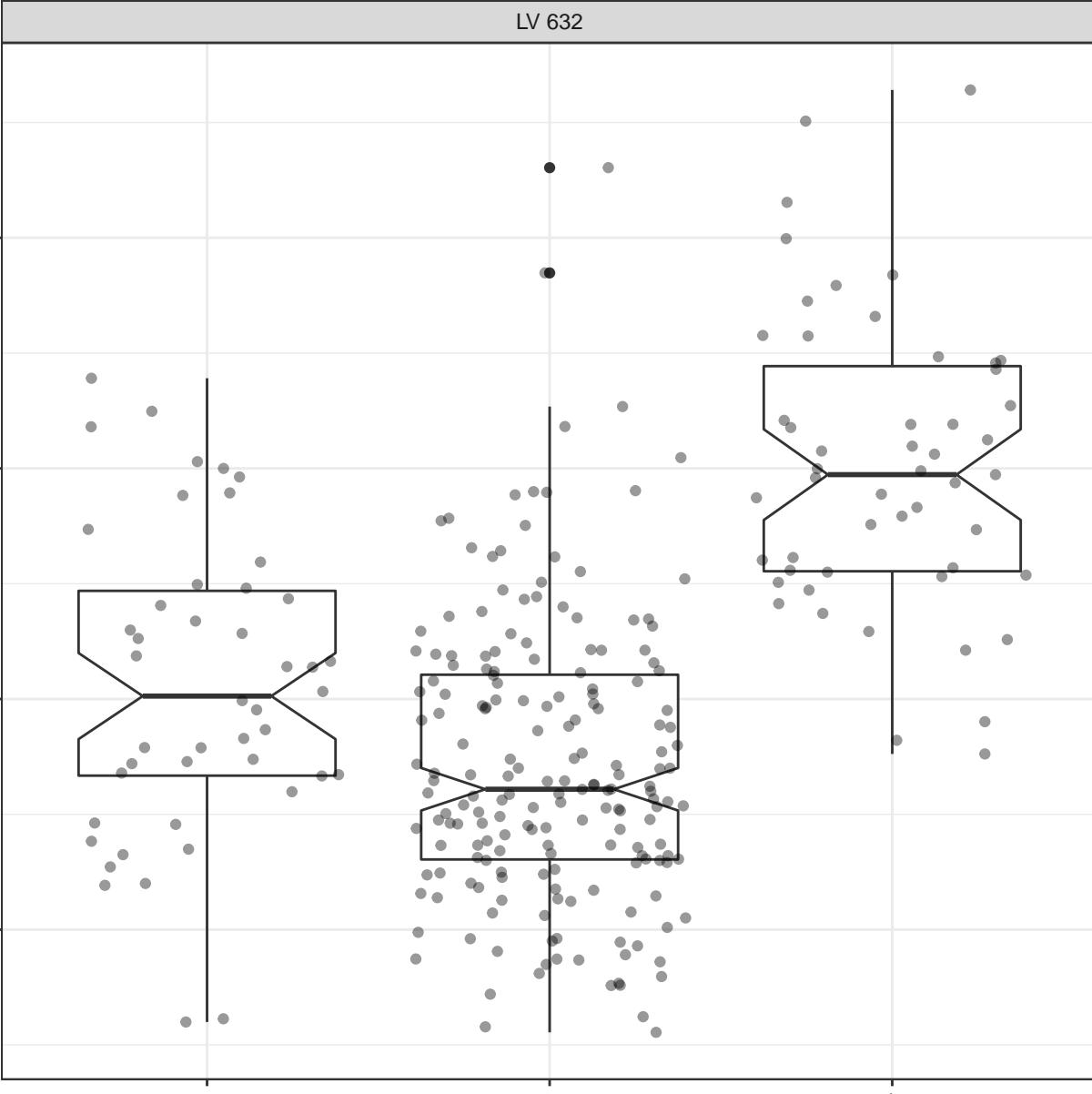
-0.05

Group 3

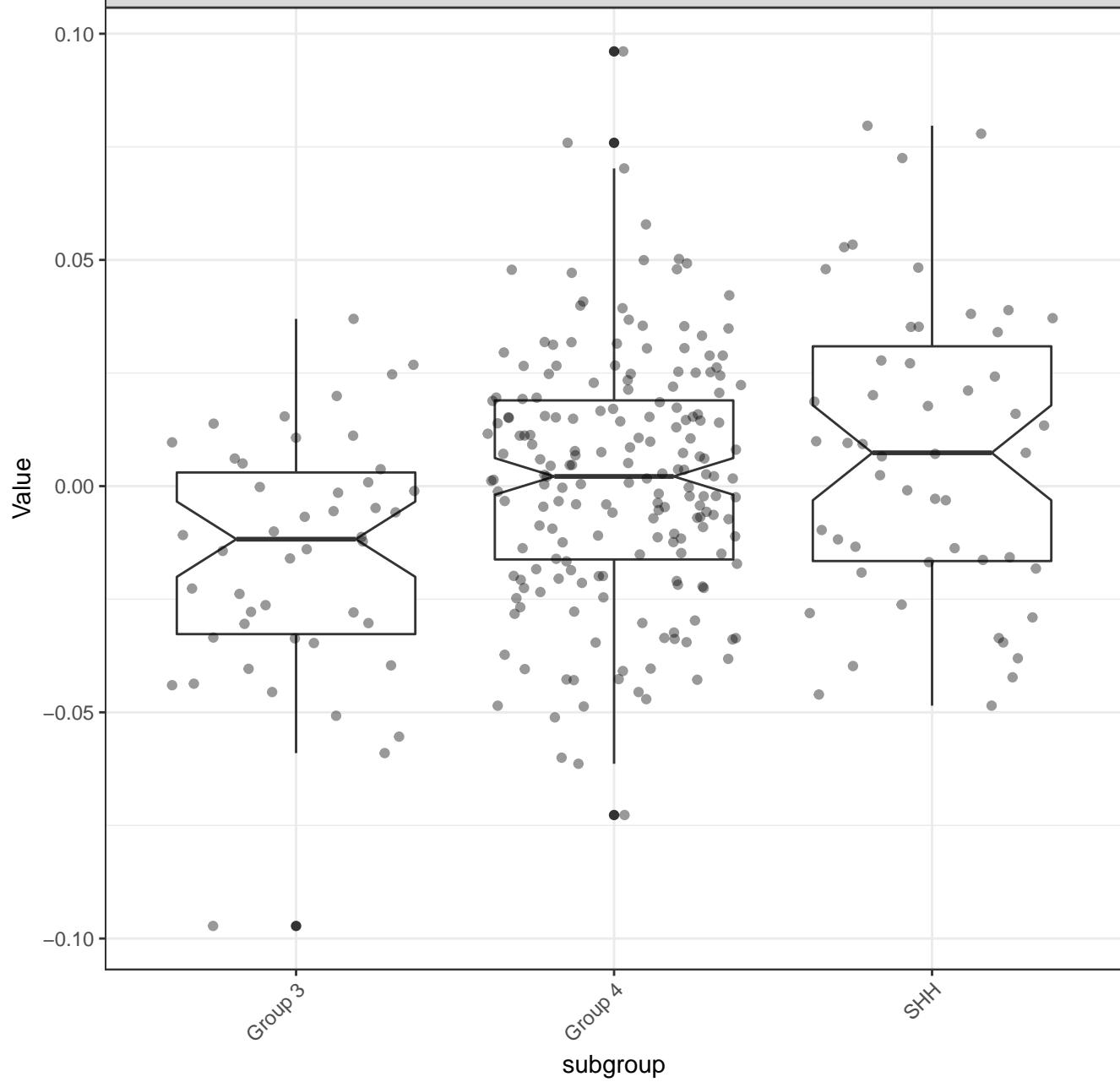
subgroup

Group 4

SHH



LV 633



LV 634

Value

0.10

0.05

0.00

-0.05

-0.10

Group 3

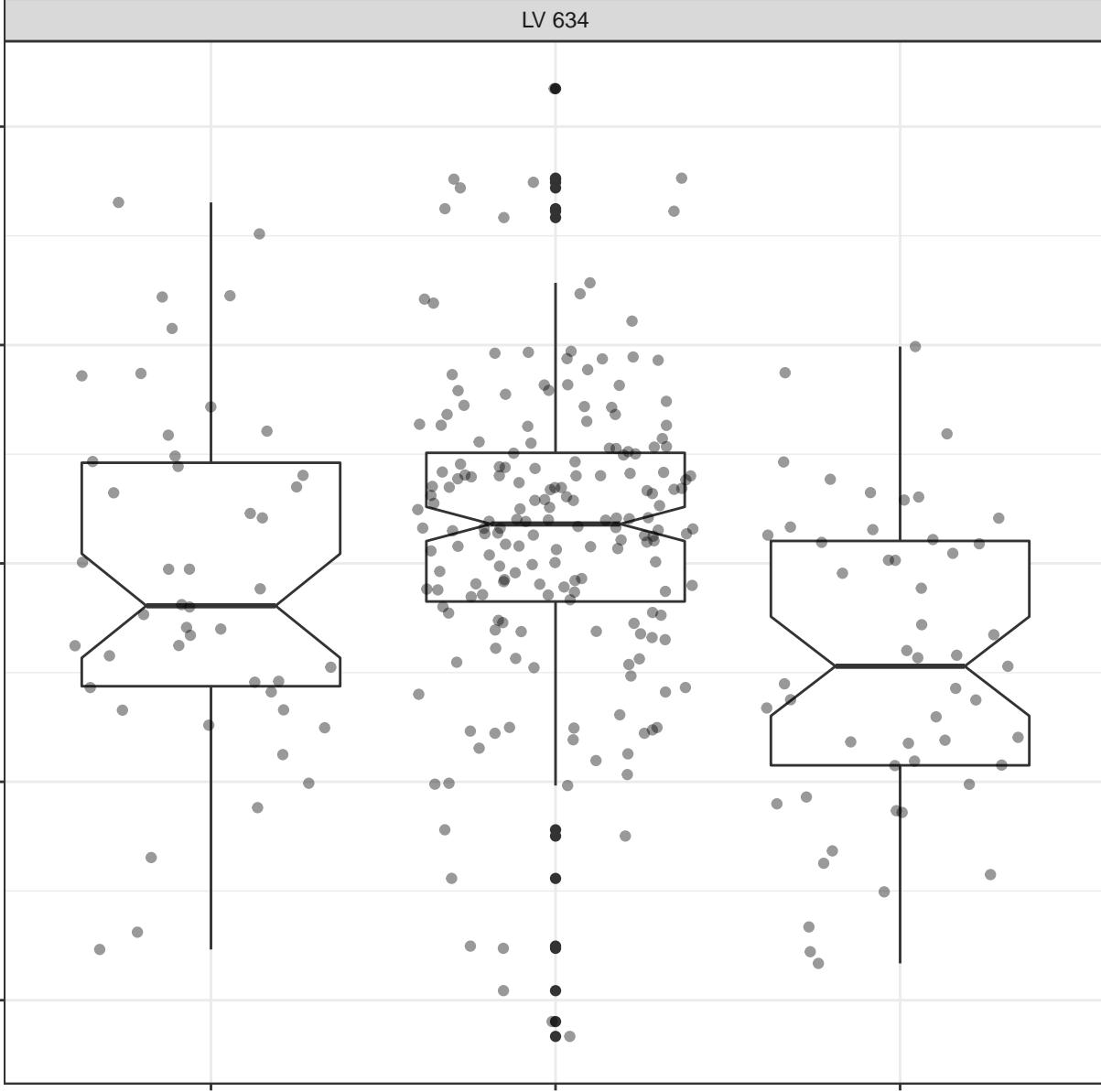
subgroup

SHH

Group 3

subgroup

SHH



LV 635

Value

0.10

0.05

0.00

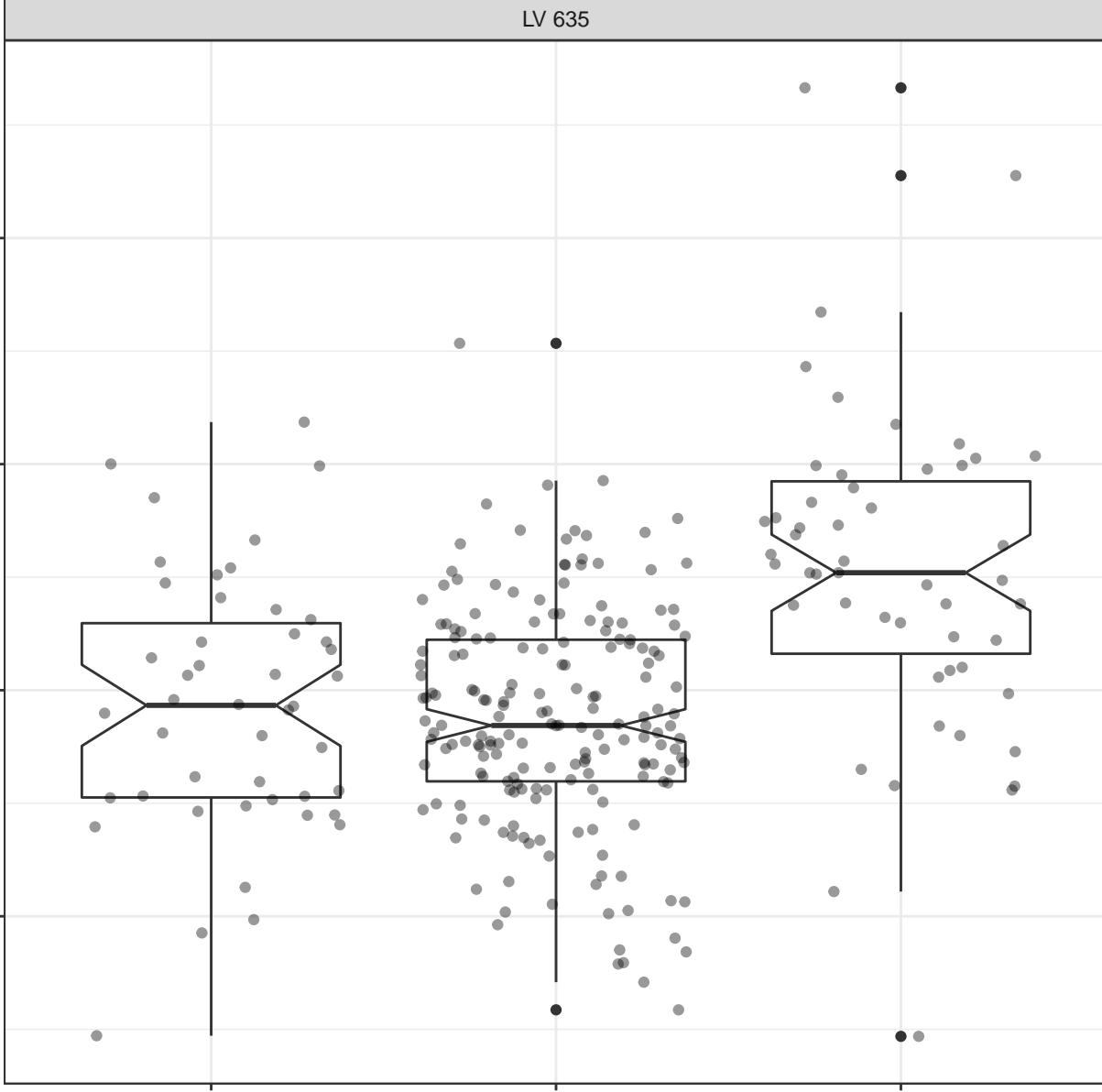
-0.05

Group 3

subgroup

Group 4

SHH



LV 636

Value

0.05

0.00

-0.05

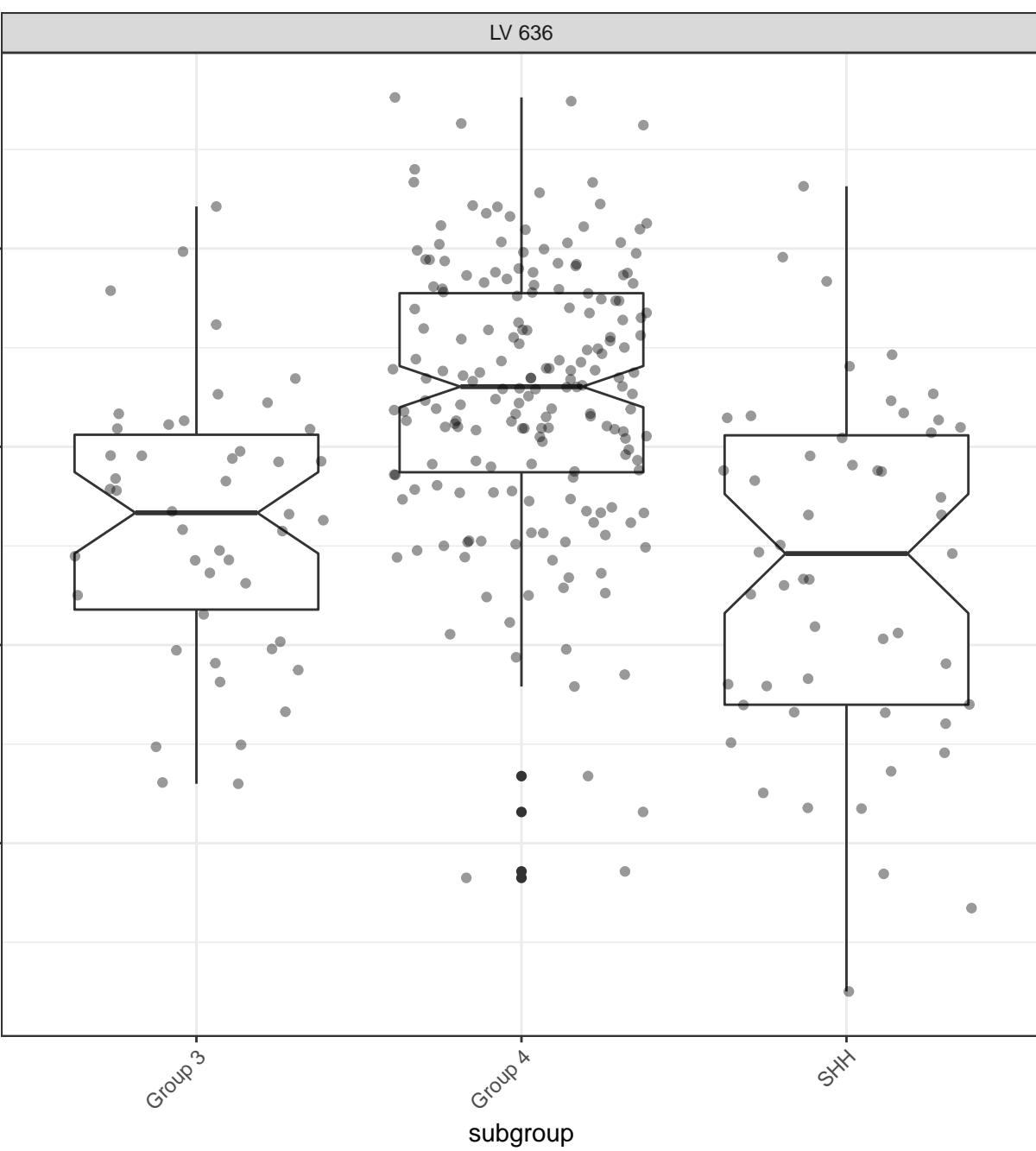
-0.10

Group 3

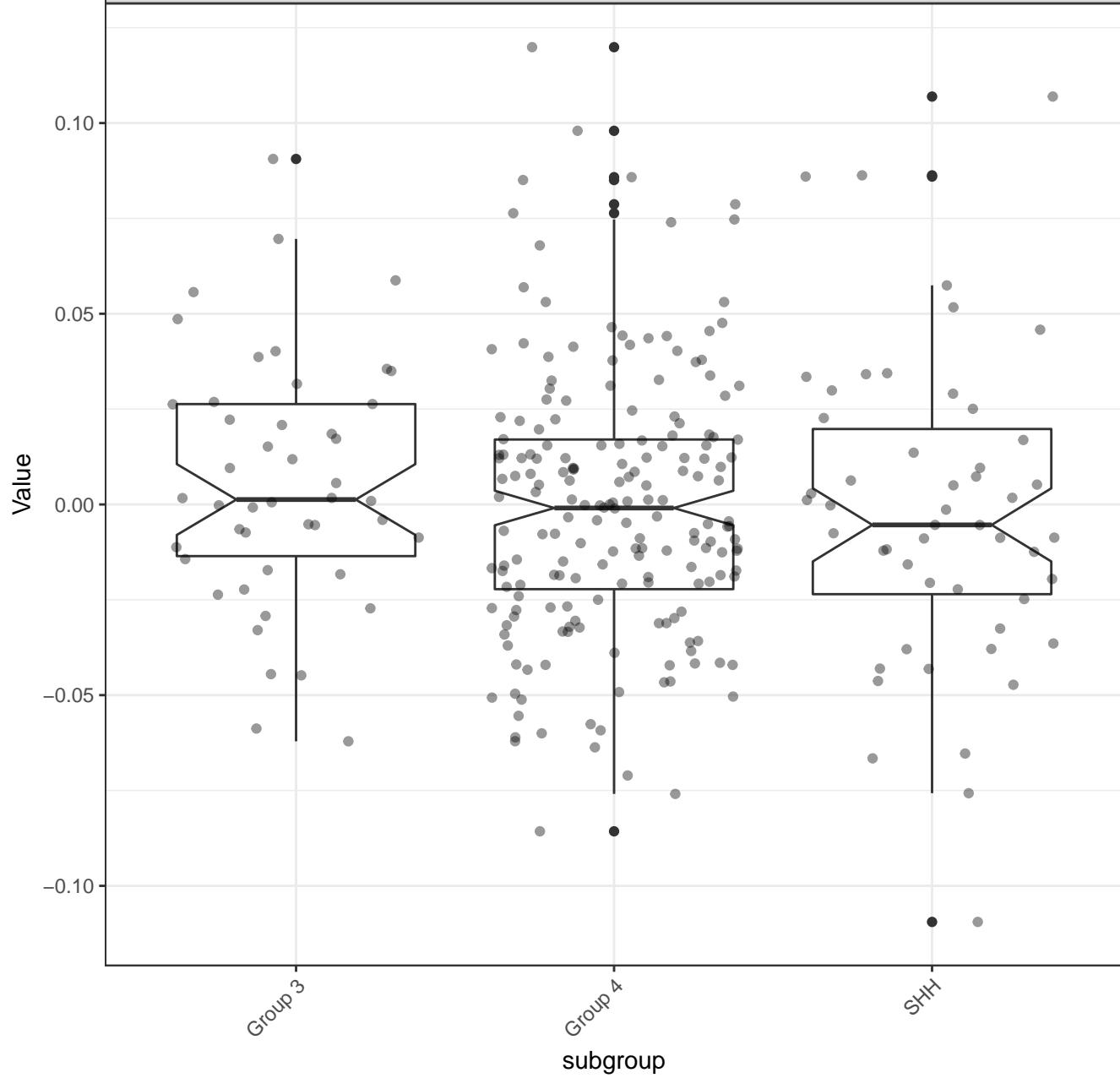
subgroup

Group 4

SHH

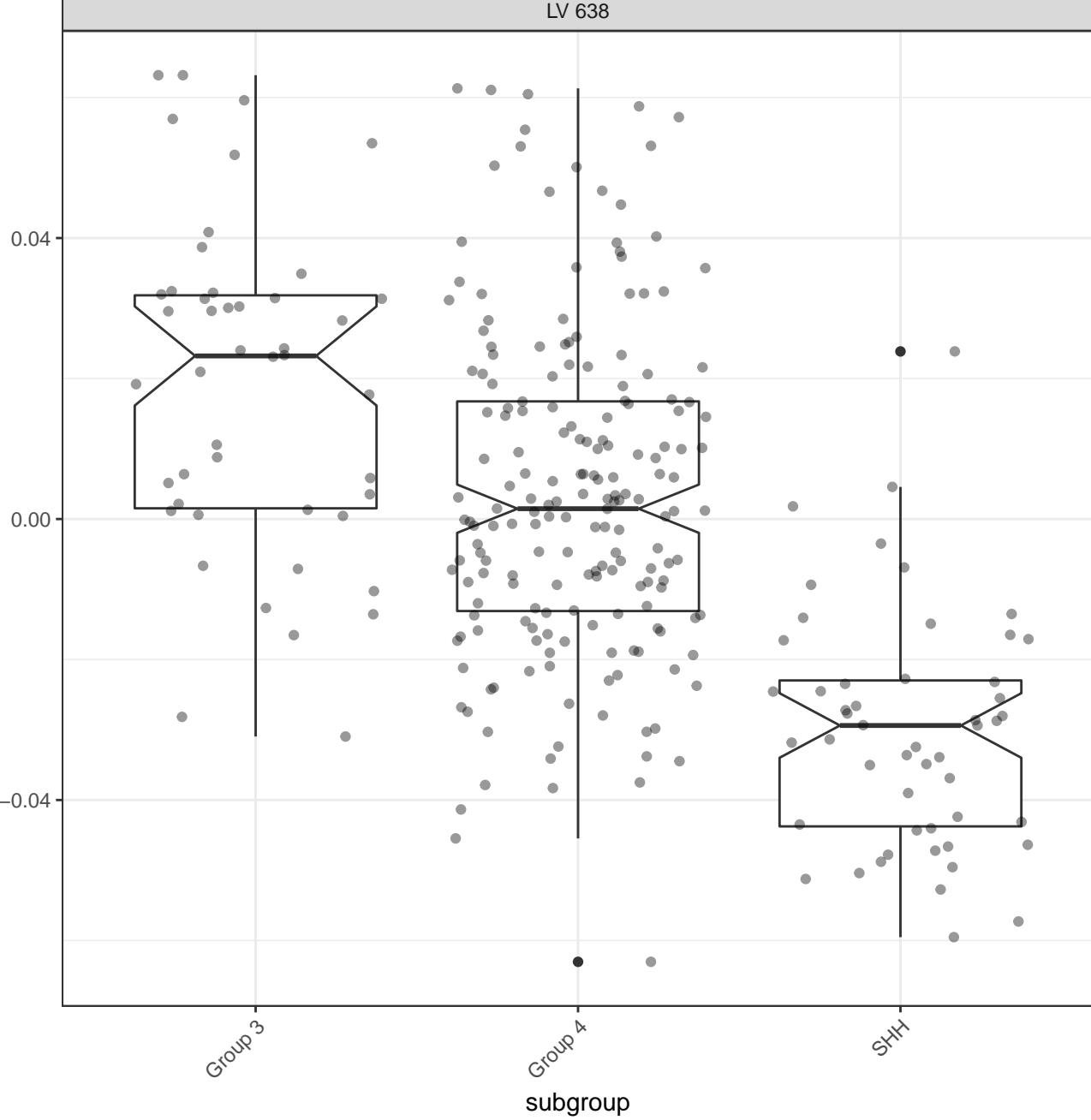


637,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS



LV 638

Value



LV 639

Value

0.10

0.05

0.00

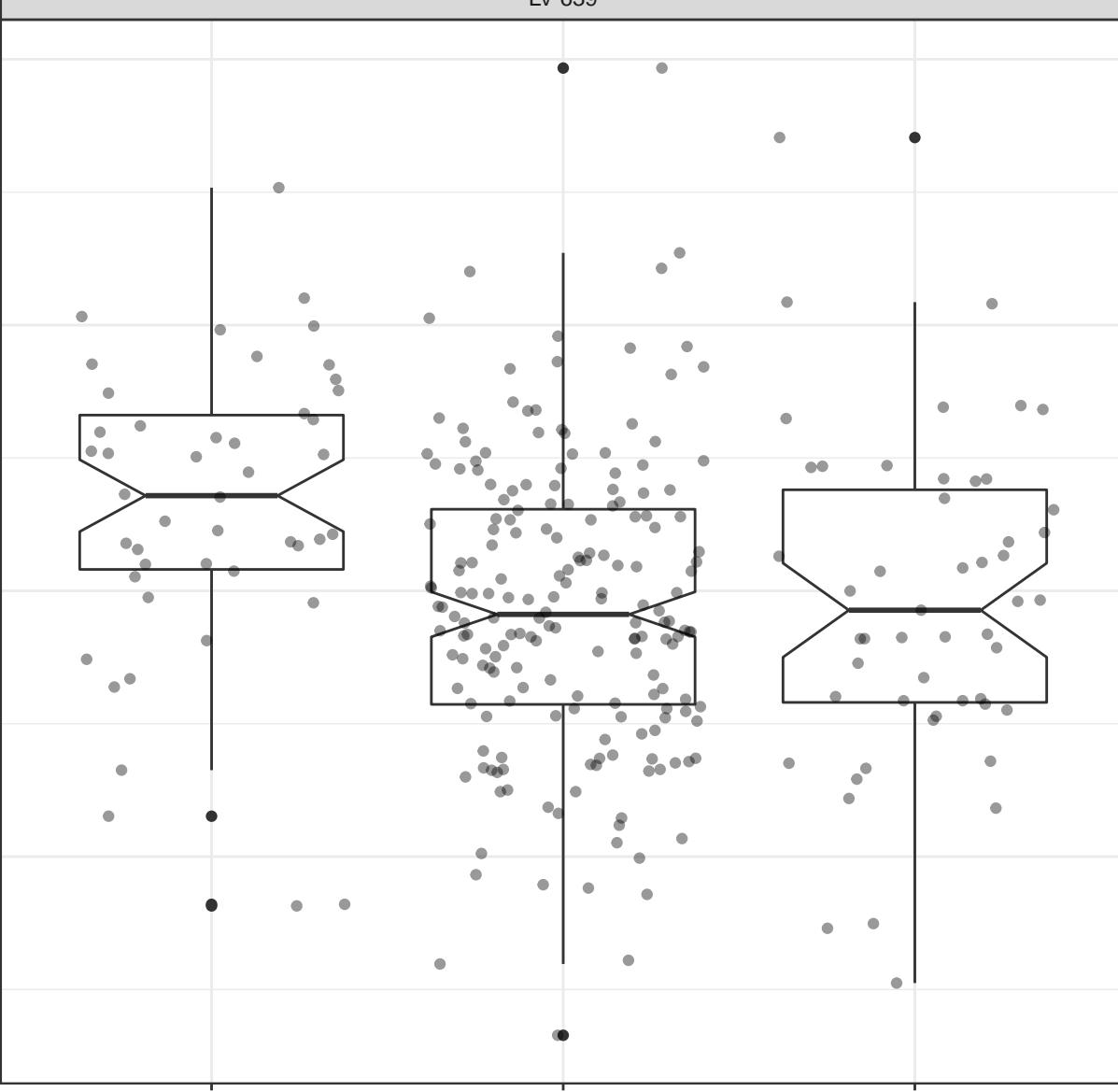
-0.05

Group 3

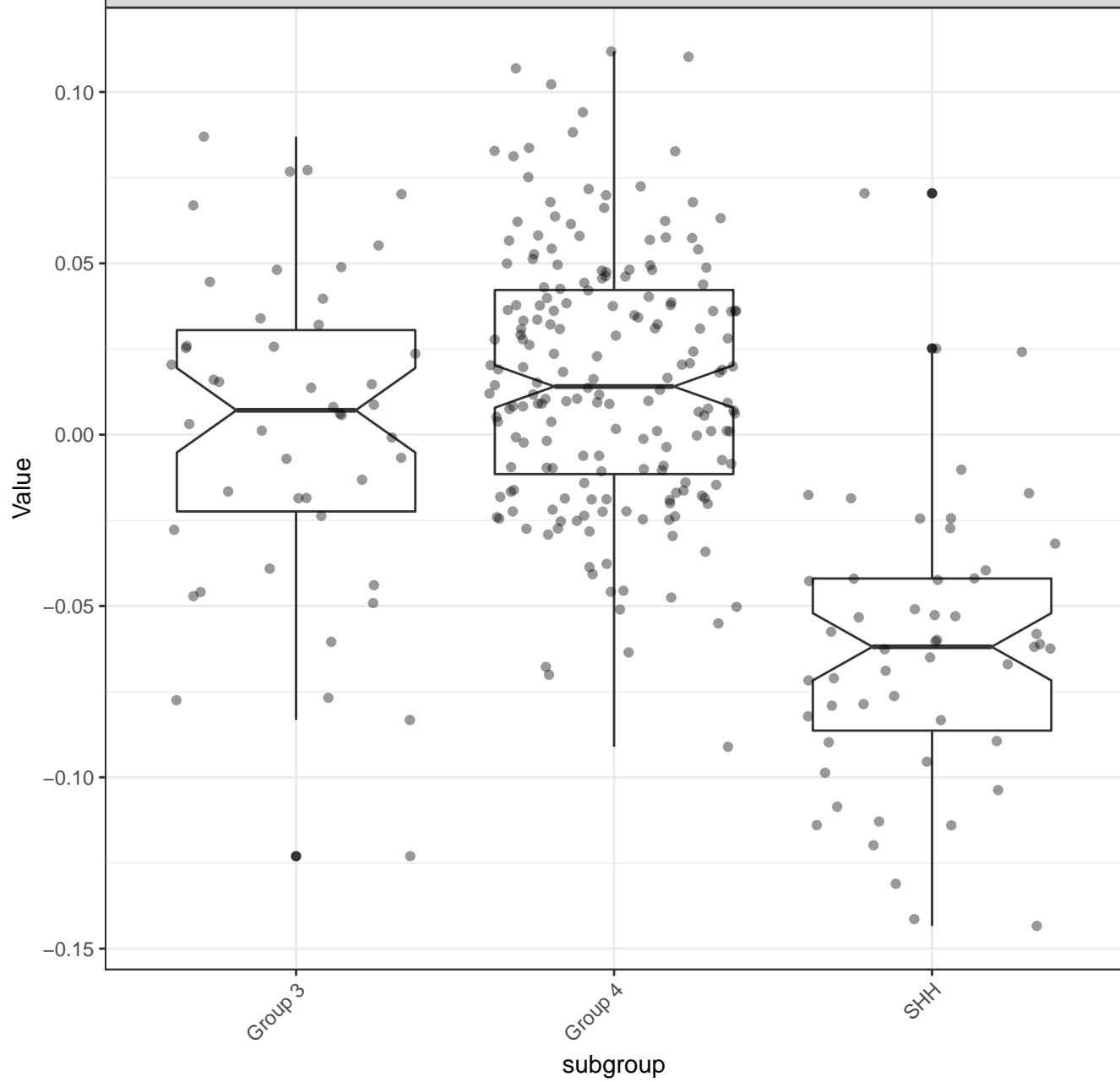
subgroup

Group 4

SHH



LV 640



LV 641

Value

0.05

0.00

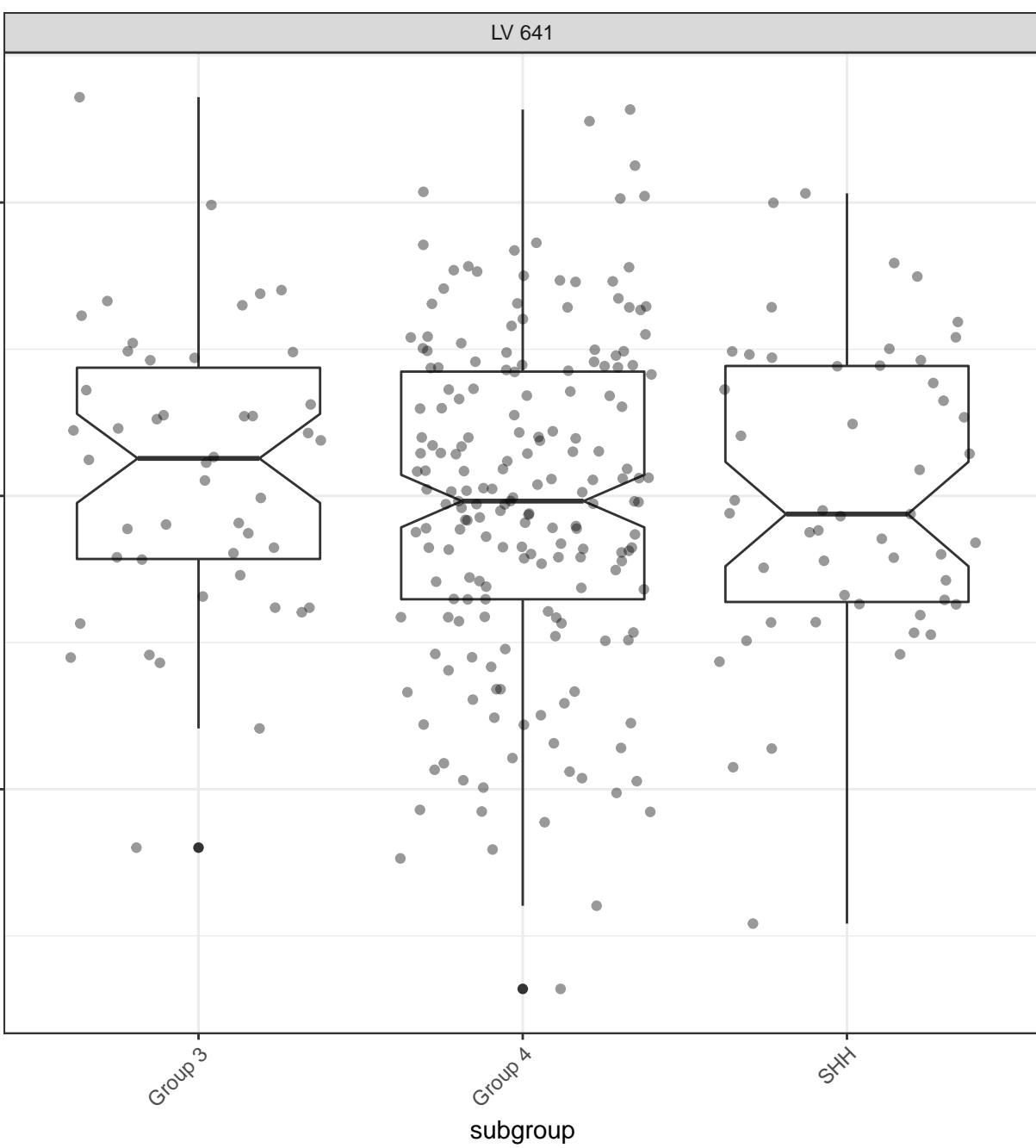
-0.05

Group 3

Group 4

SHH

subgroup



LV 642

Value

0.10

0.05

0.00

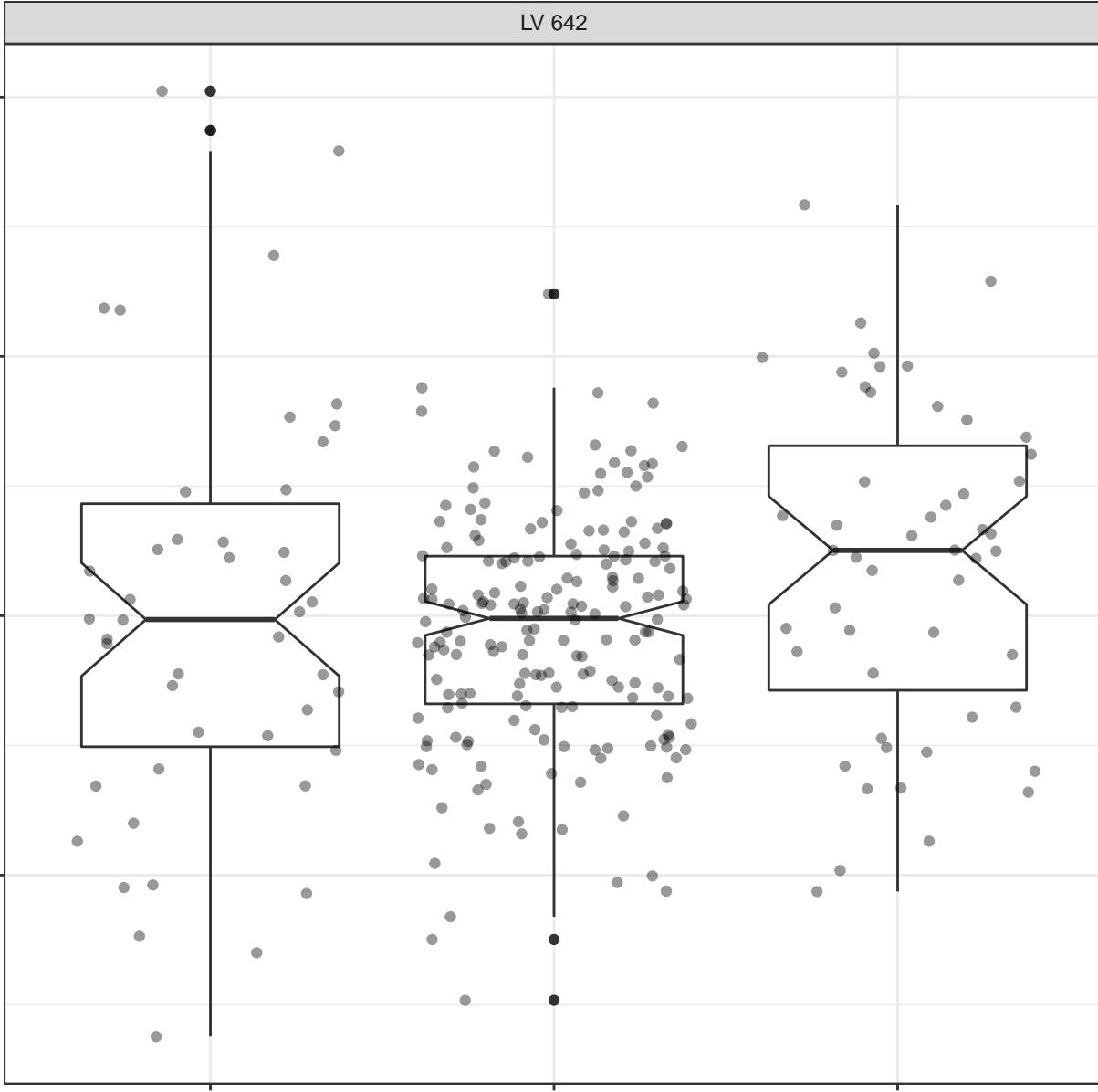
-0.05

Group 3

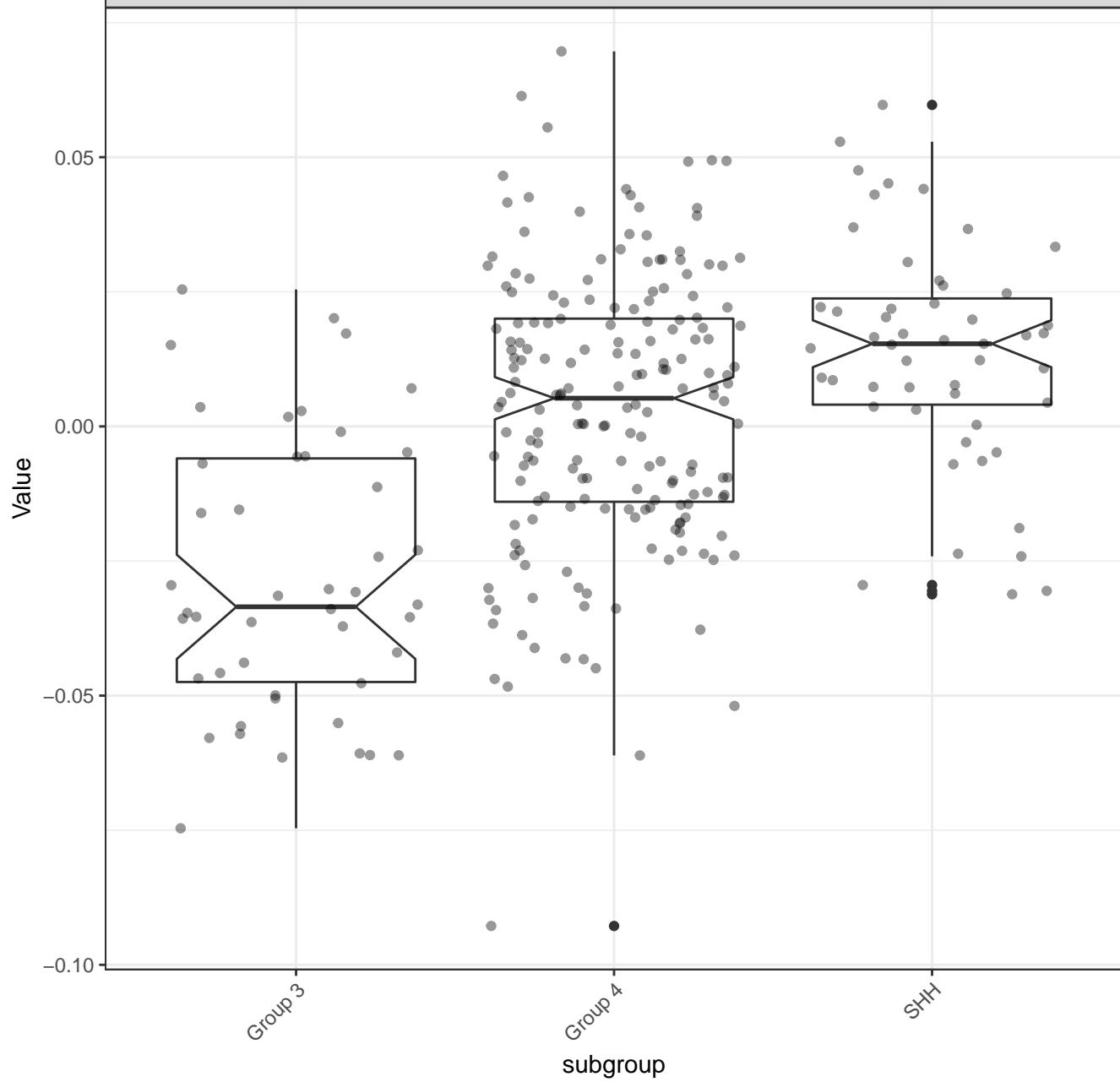
Group 4

SHH

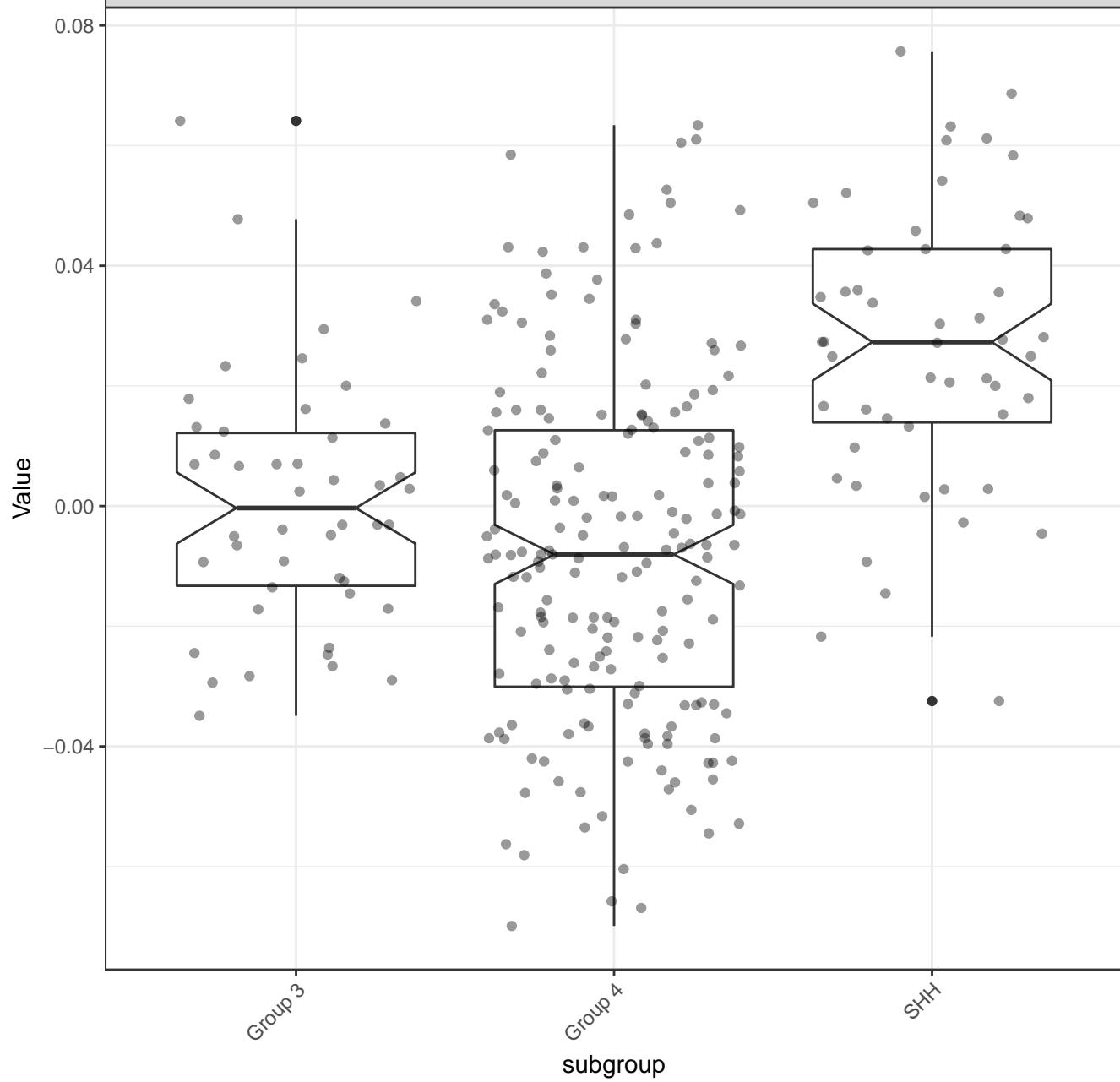
subgroup



LV 643



LV 644



LV 645

Vvalue

0.10

0.05

0.00

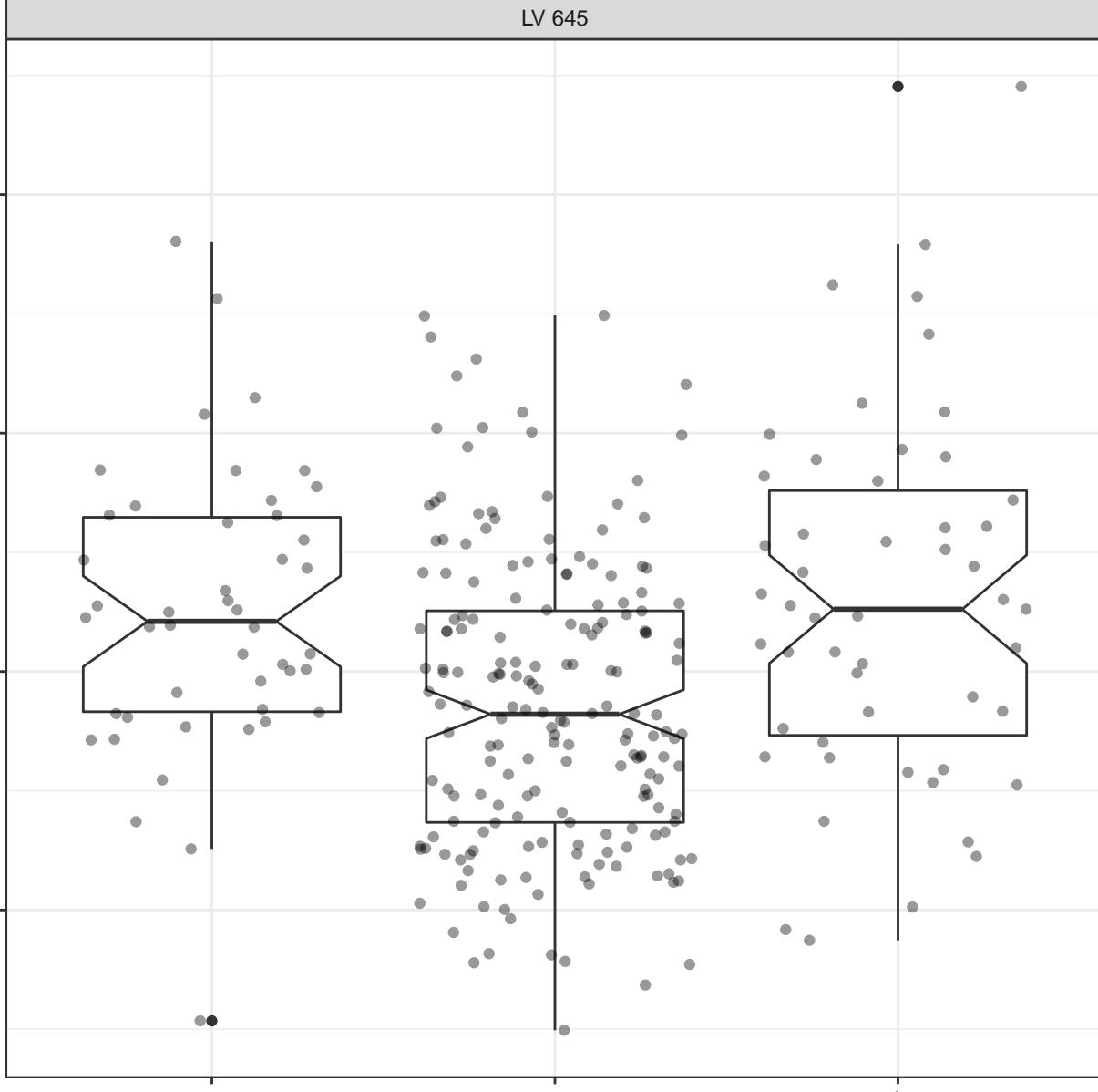
-0.05

Group 3

subgroup

Group 4

SHH



LV 646

Value

0.05

0.00

-0.05

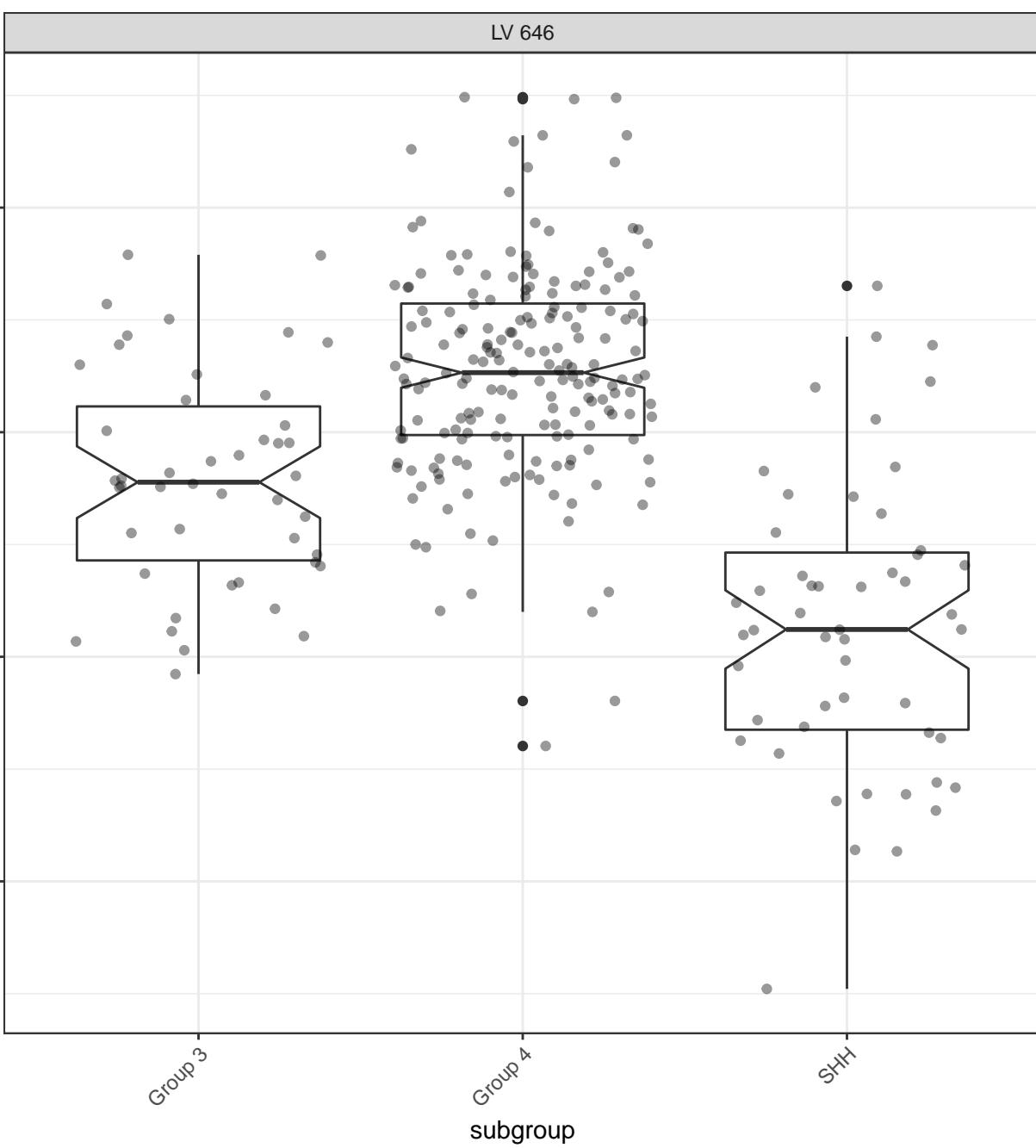
-0.10

Group 3

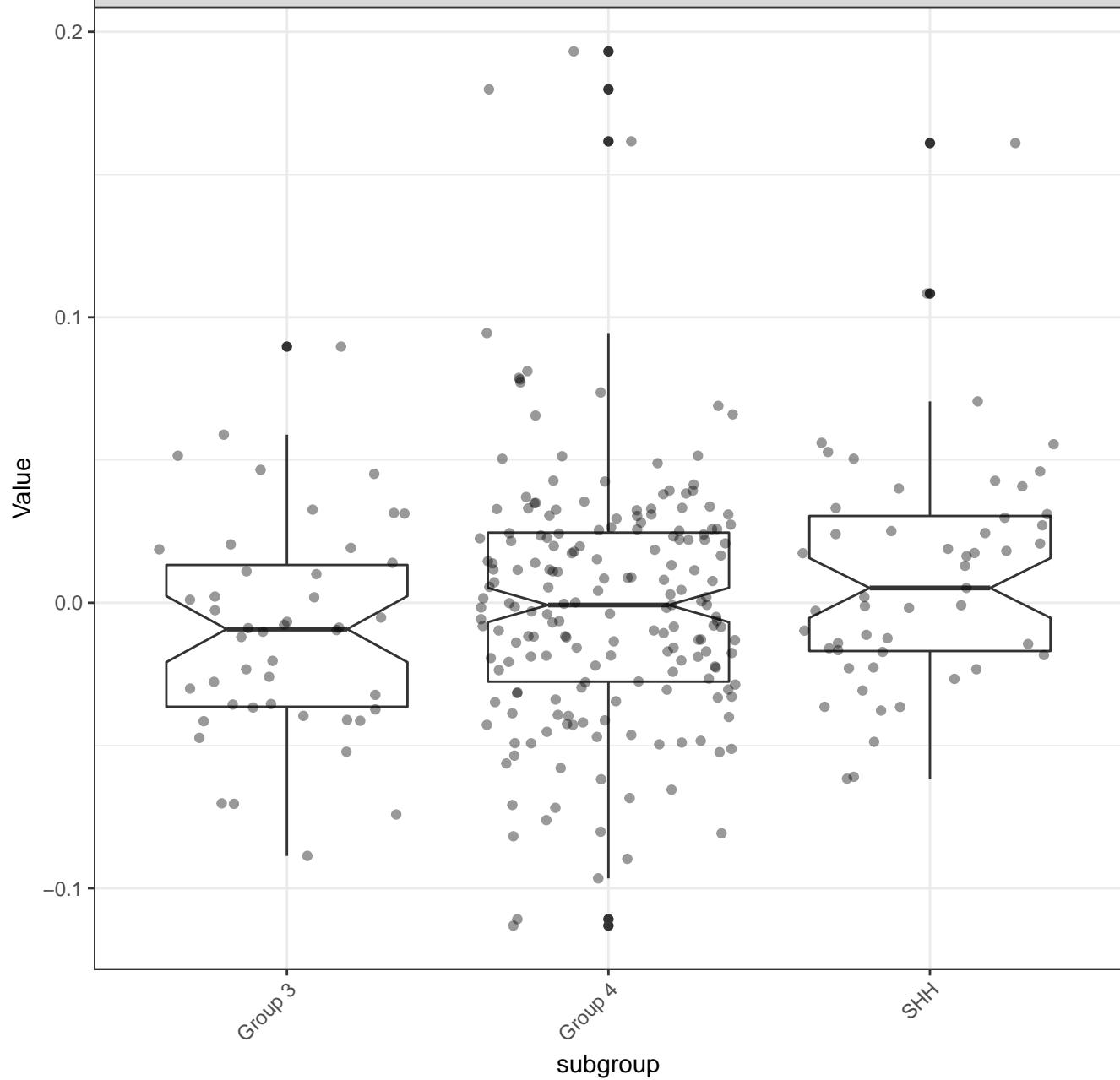
Group 4

SHH

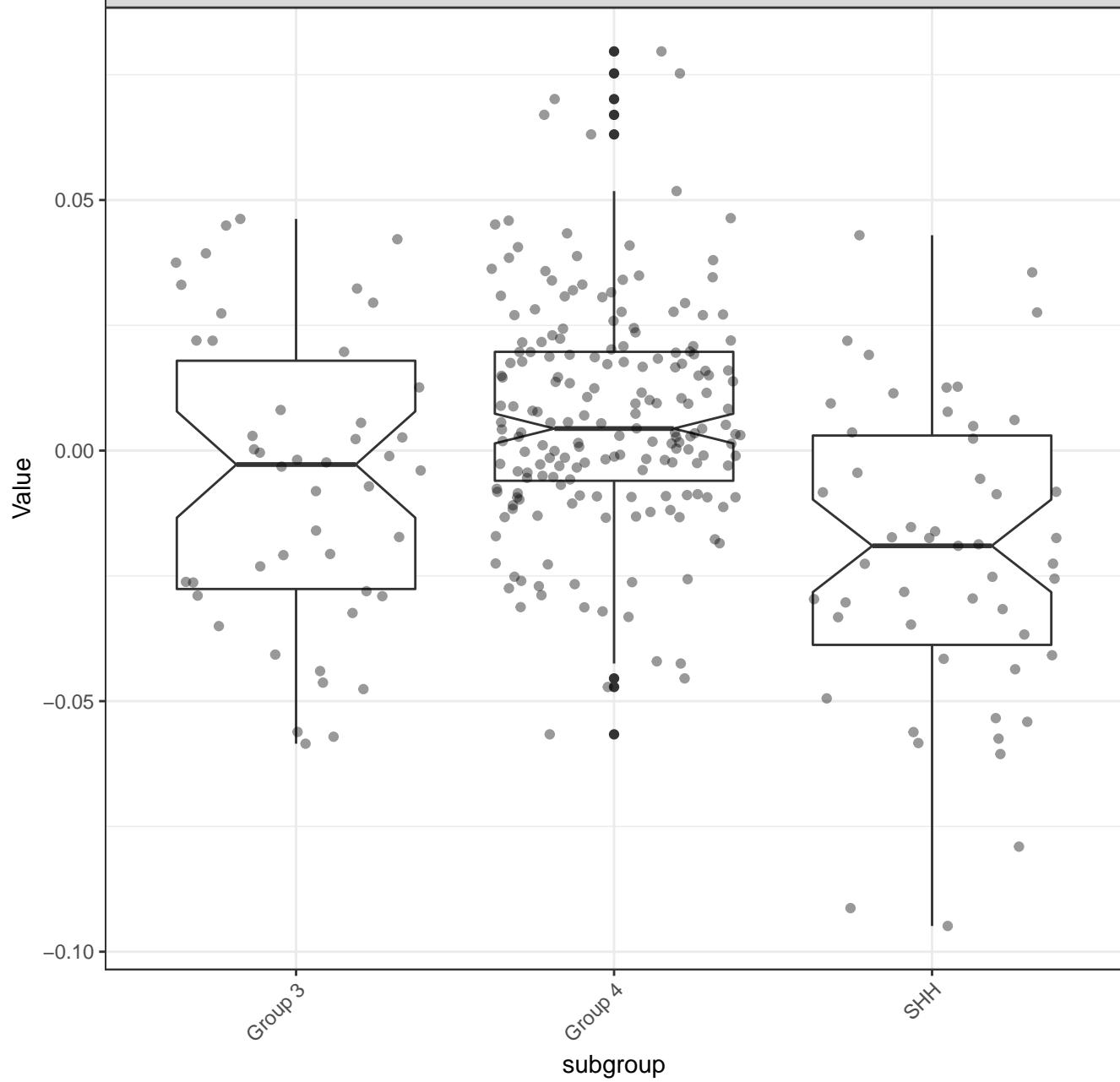
subgroup



LV 647



LV 648



649,IRIS_Monocyte–Day1

Value

0.10

0.05

0.00

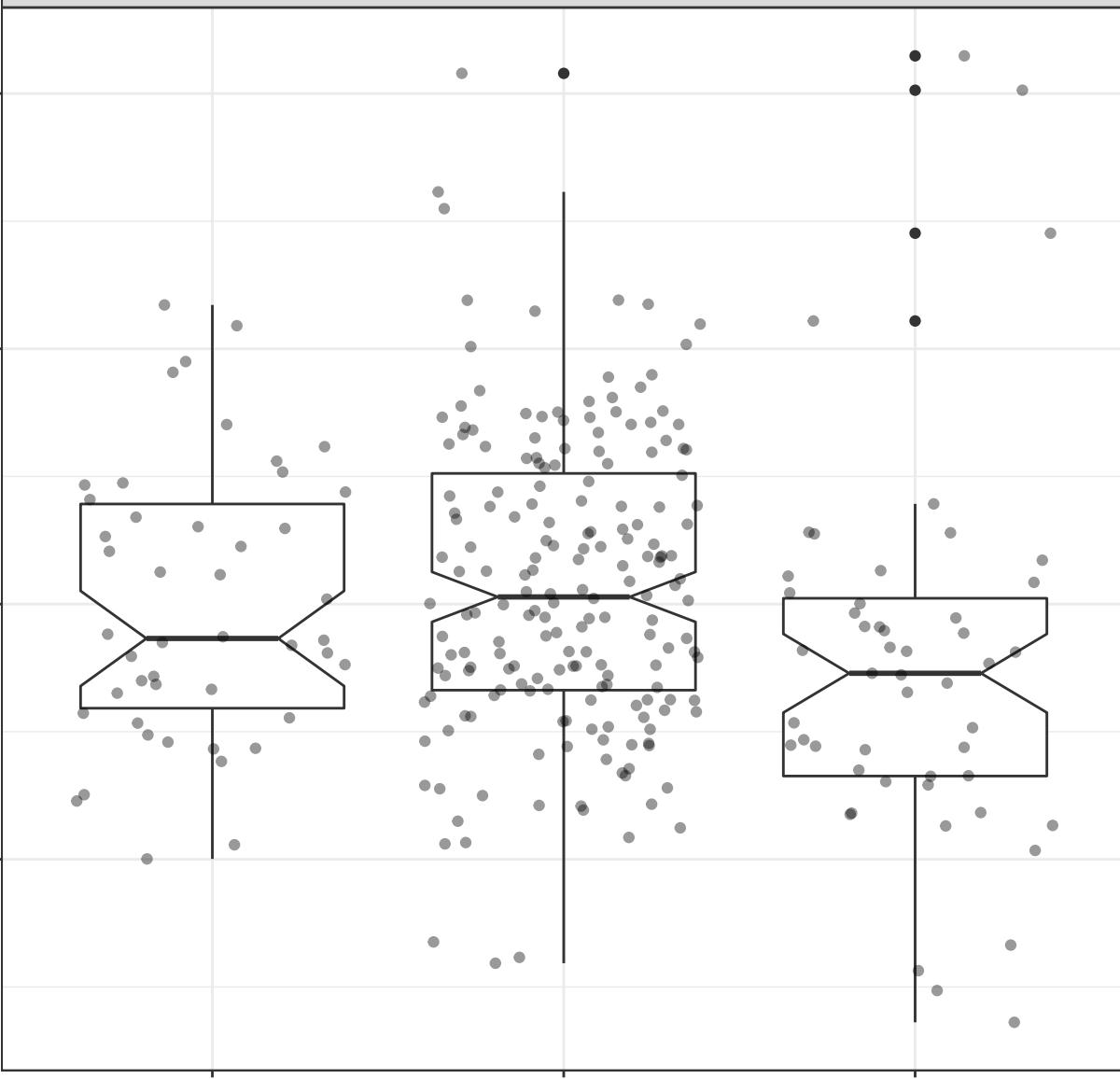
-0.05

Group 3

Group 4

SHH

subgroup



LV 650

Value

0.05

0.00

-0.05

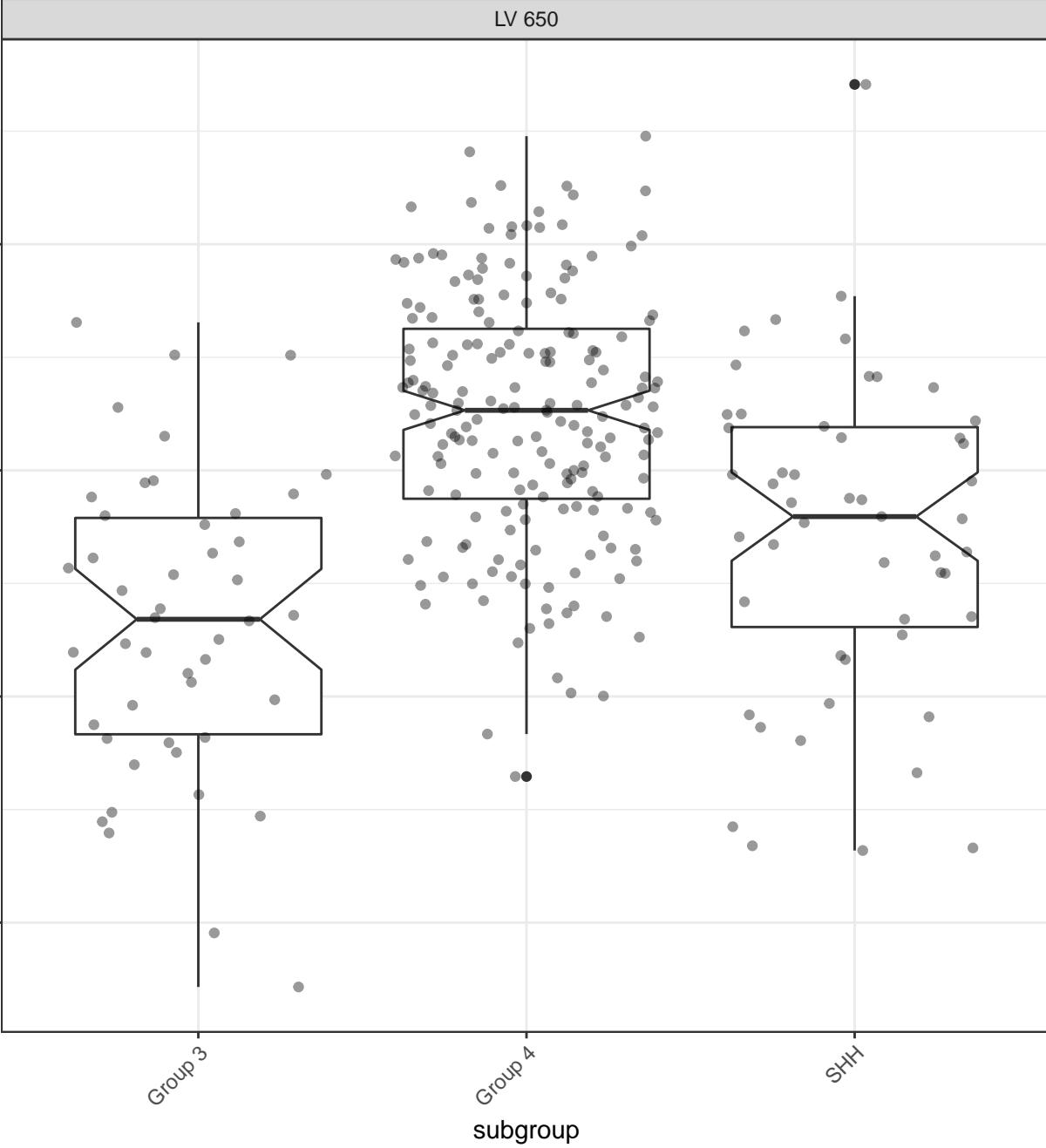
-0.10

Group 3

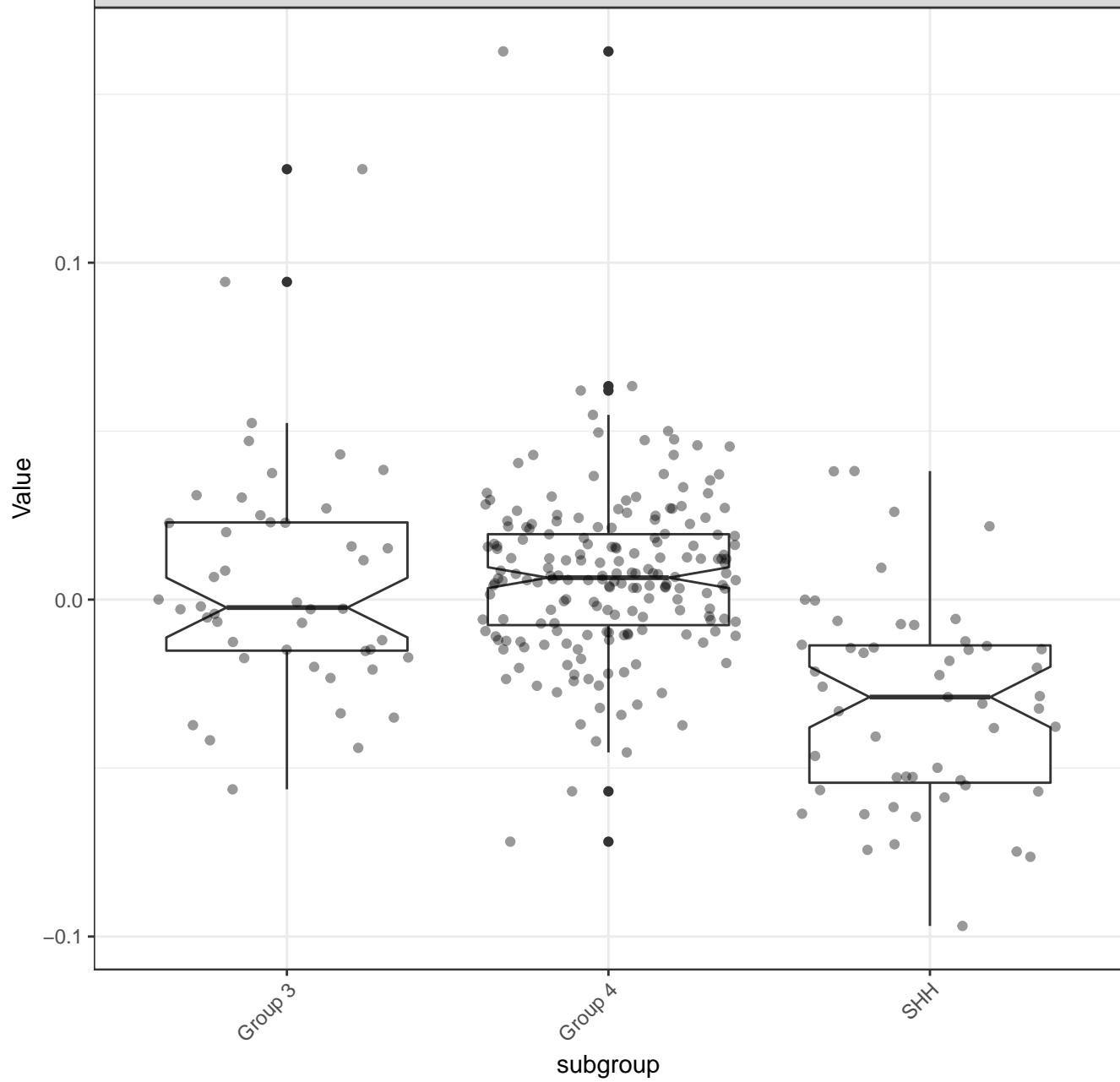
Group 4

SHH

subgroup



LV 651



LV 652

Value

0.10

0.05

0.00

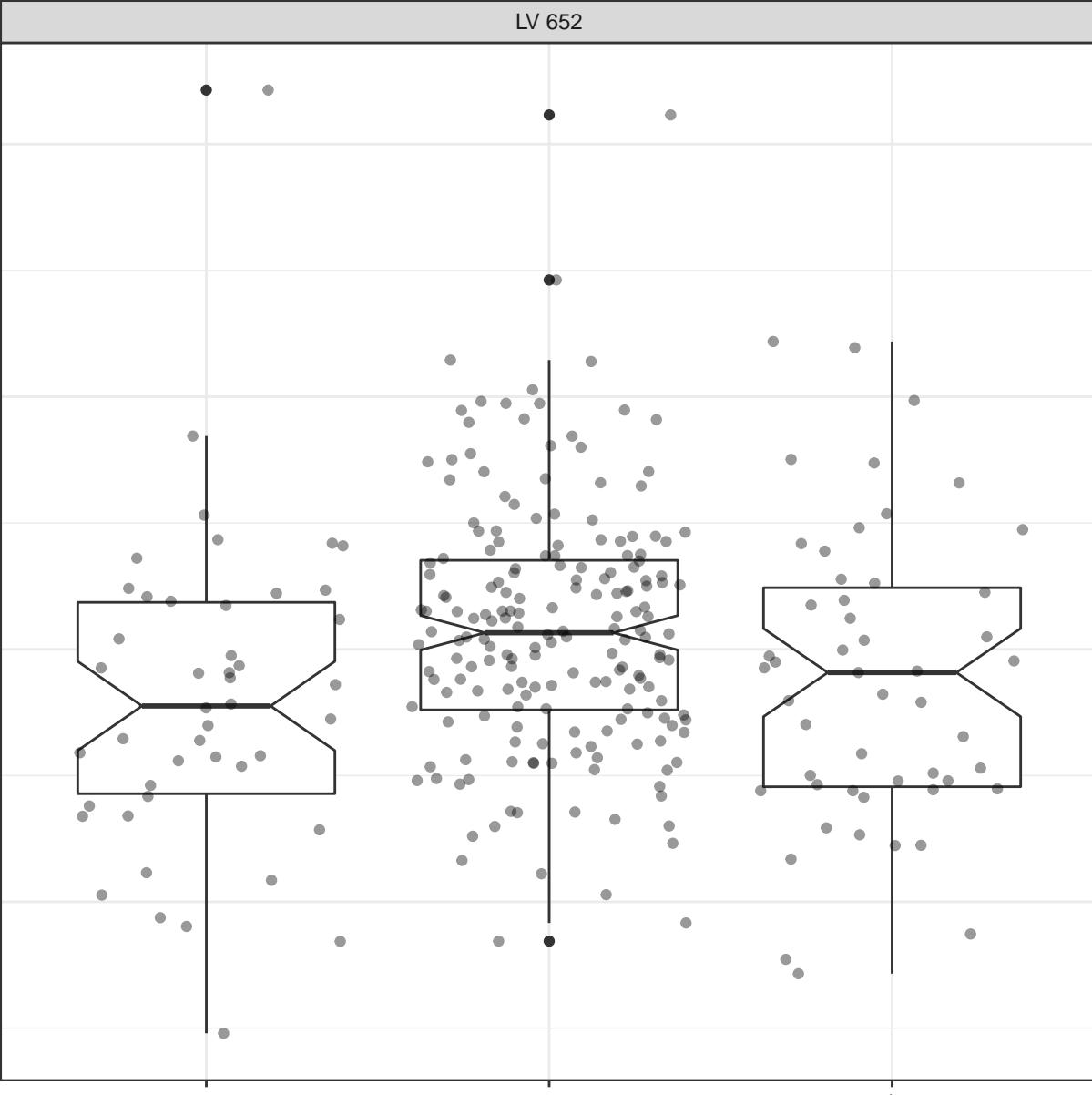
-0.05

Group 3

subgroup

Group 4

SHH



LV 653

Value

0.10

0.05

0.00

-0.05

-0.10

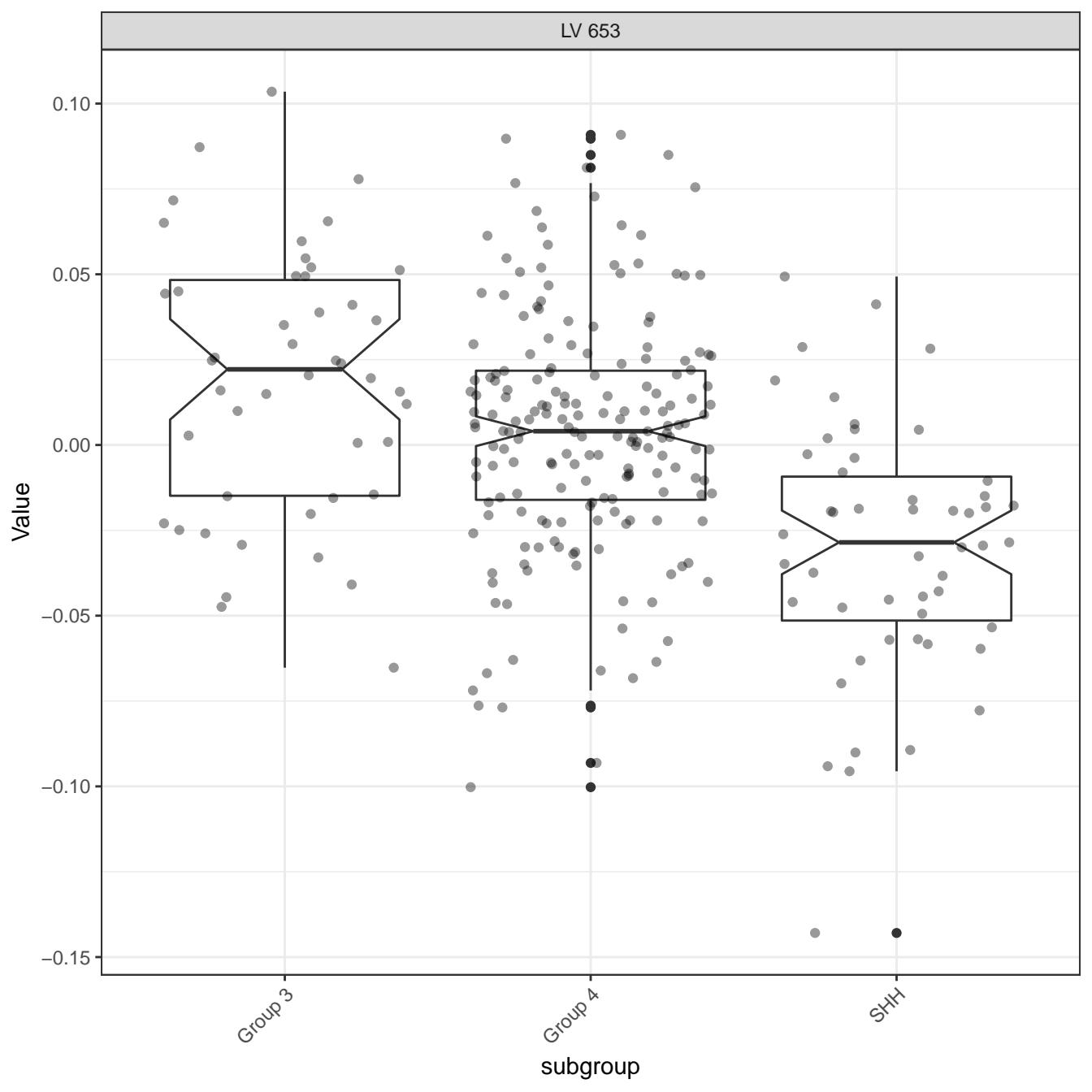
-0.15

Group 3

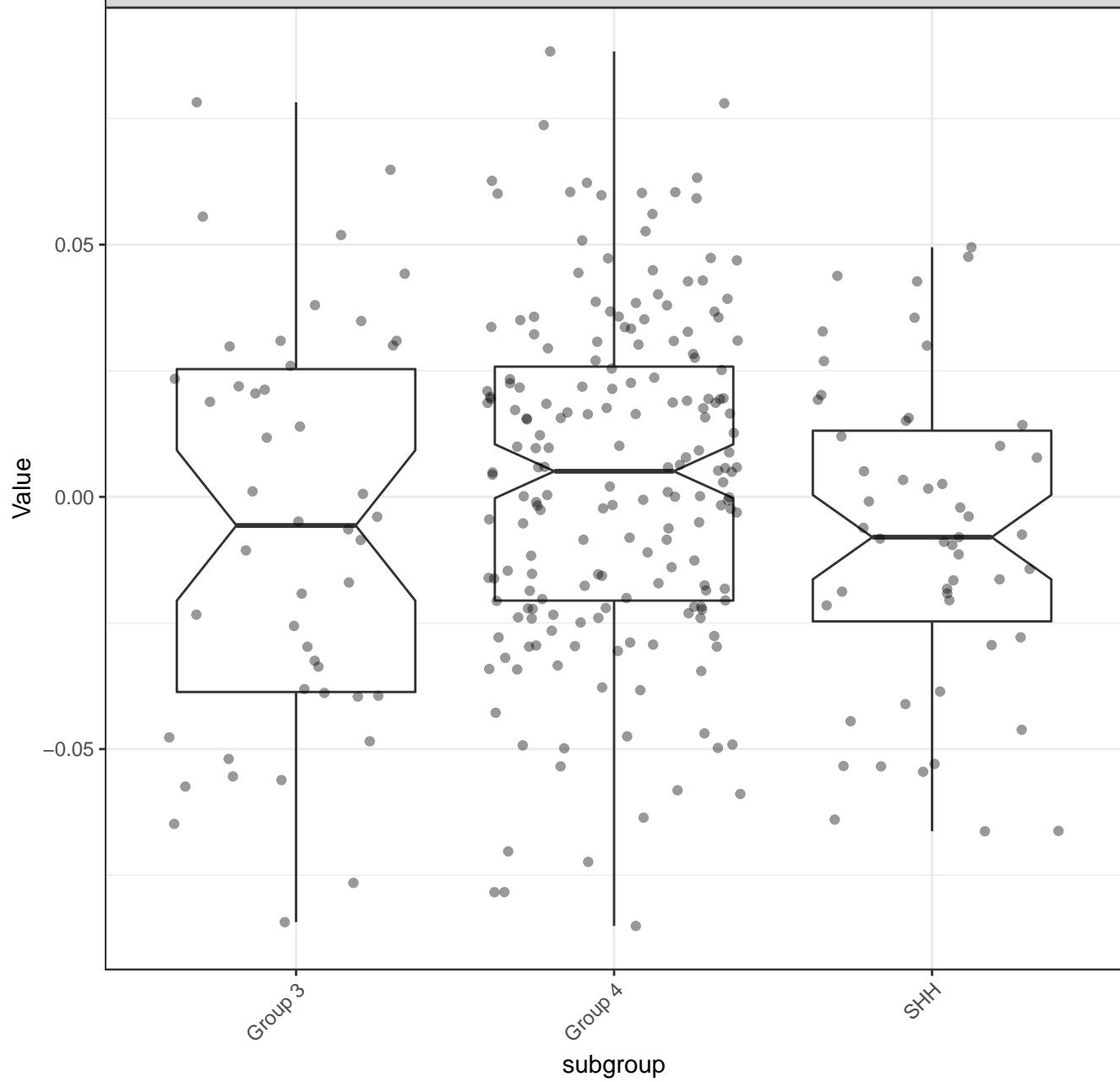
subgroup

Group 4

SHH

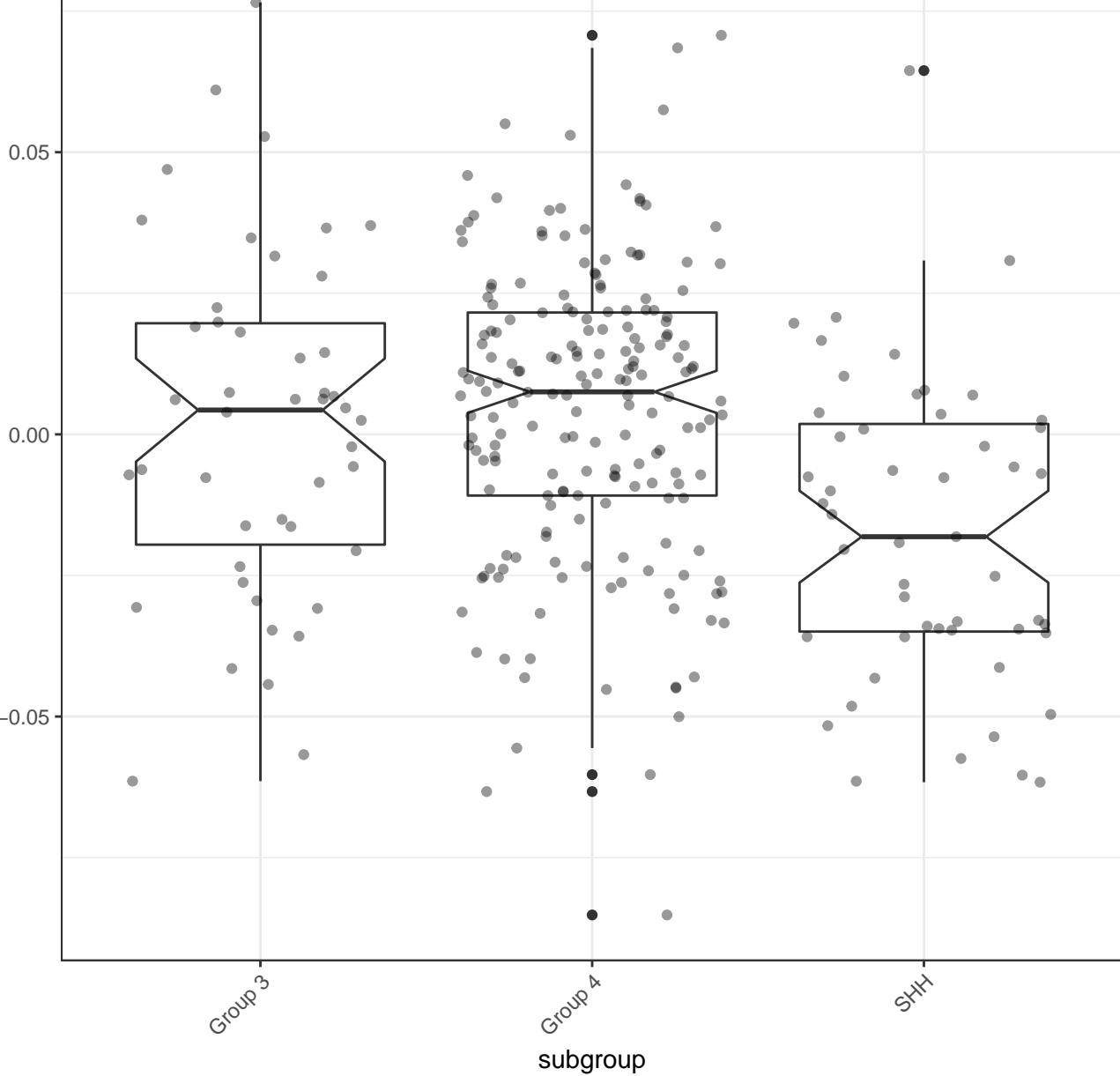


LV 654

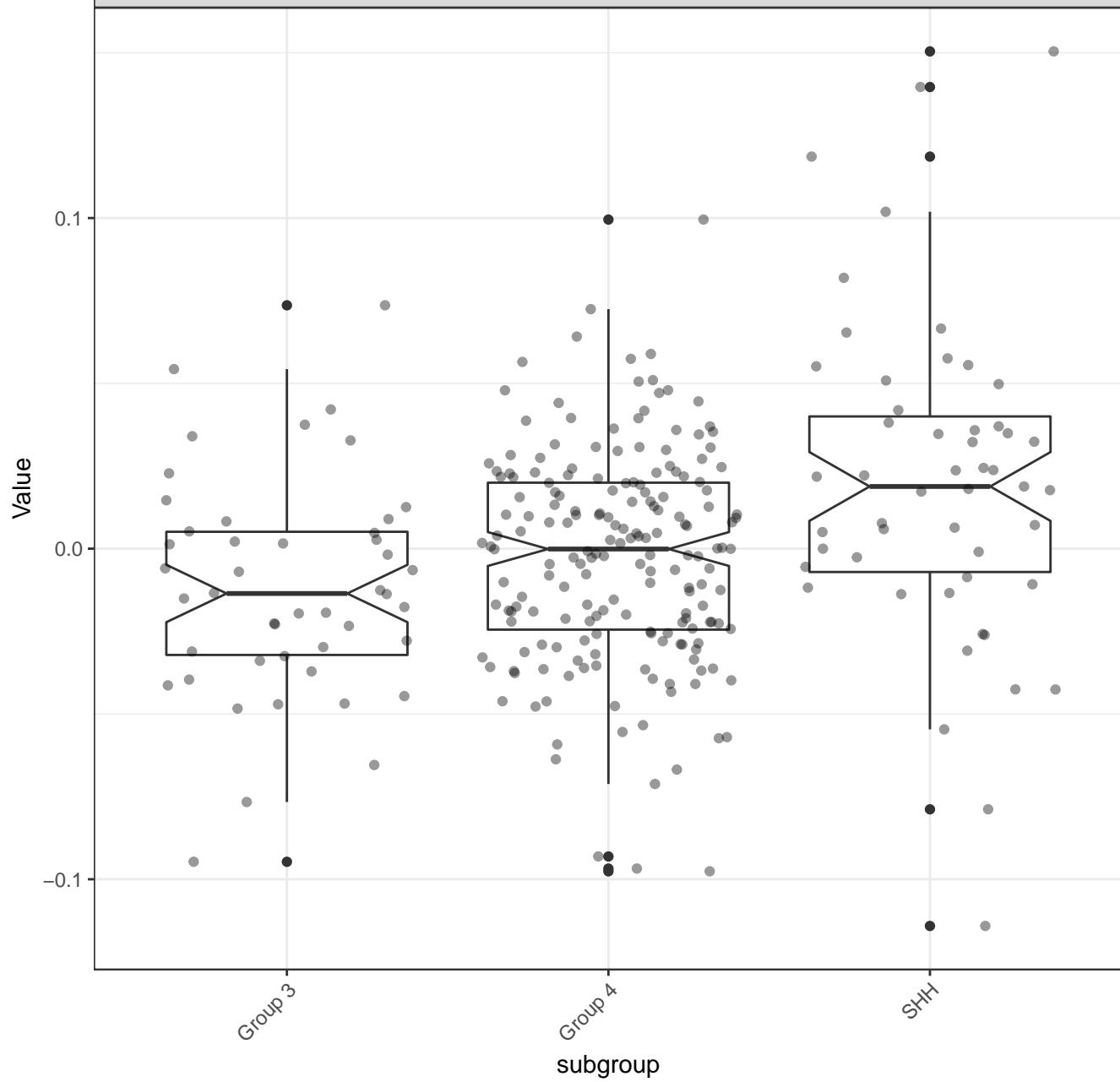


LV 655

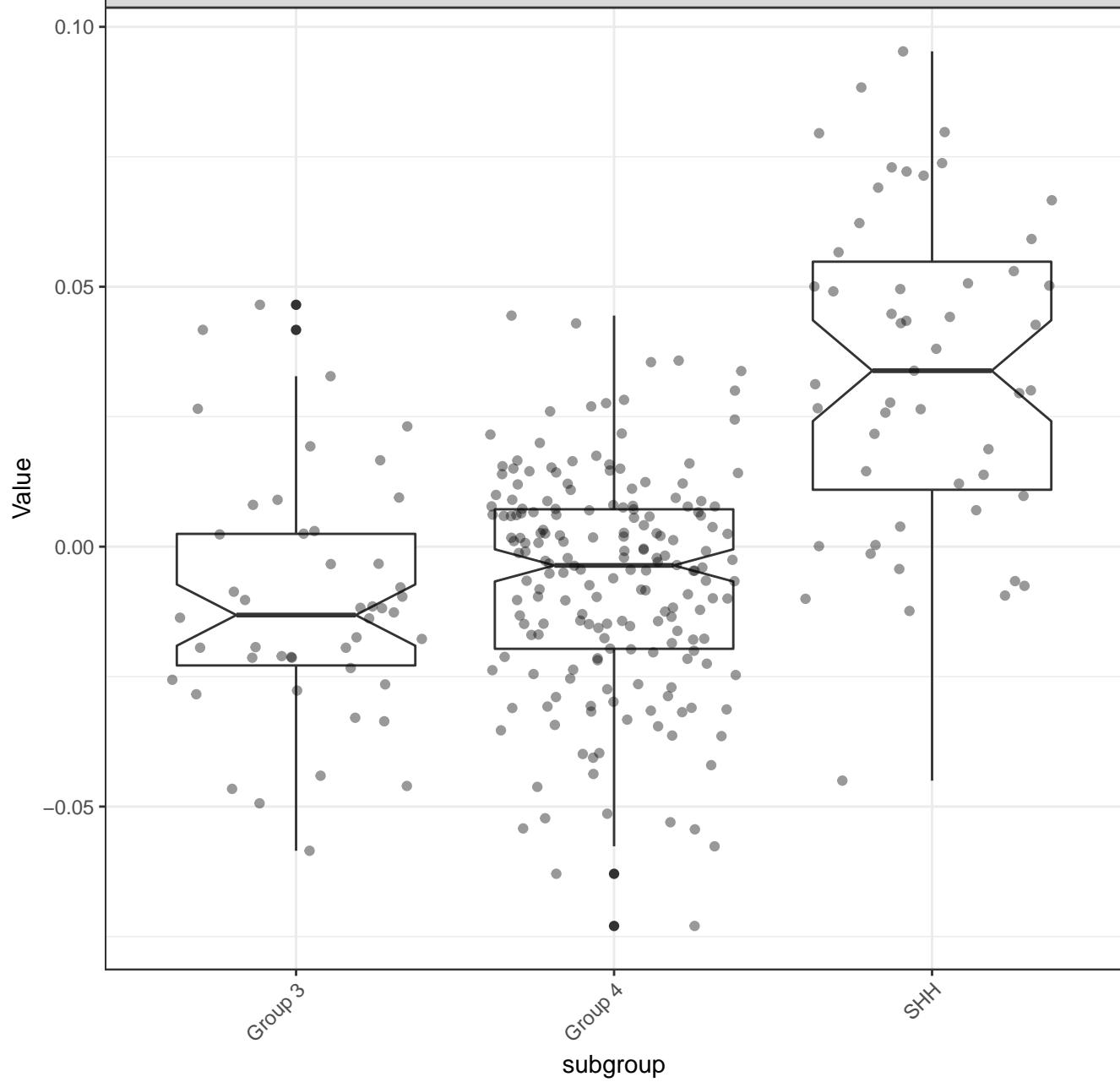
Value



LV 656



LV 657



LV 658

Value

0.10

0.05

0.00

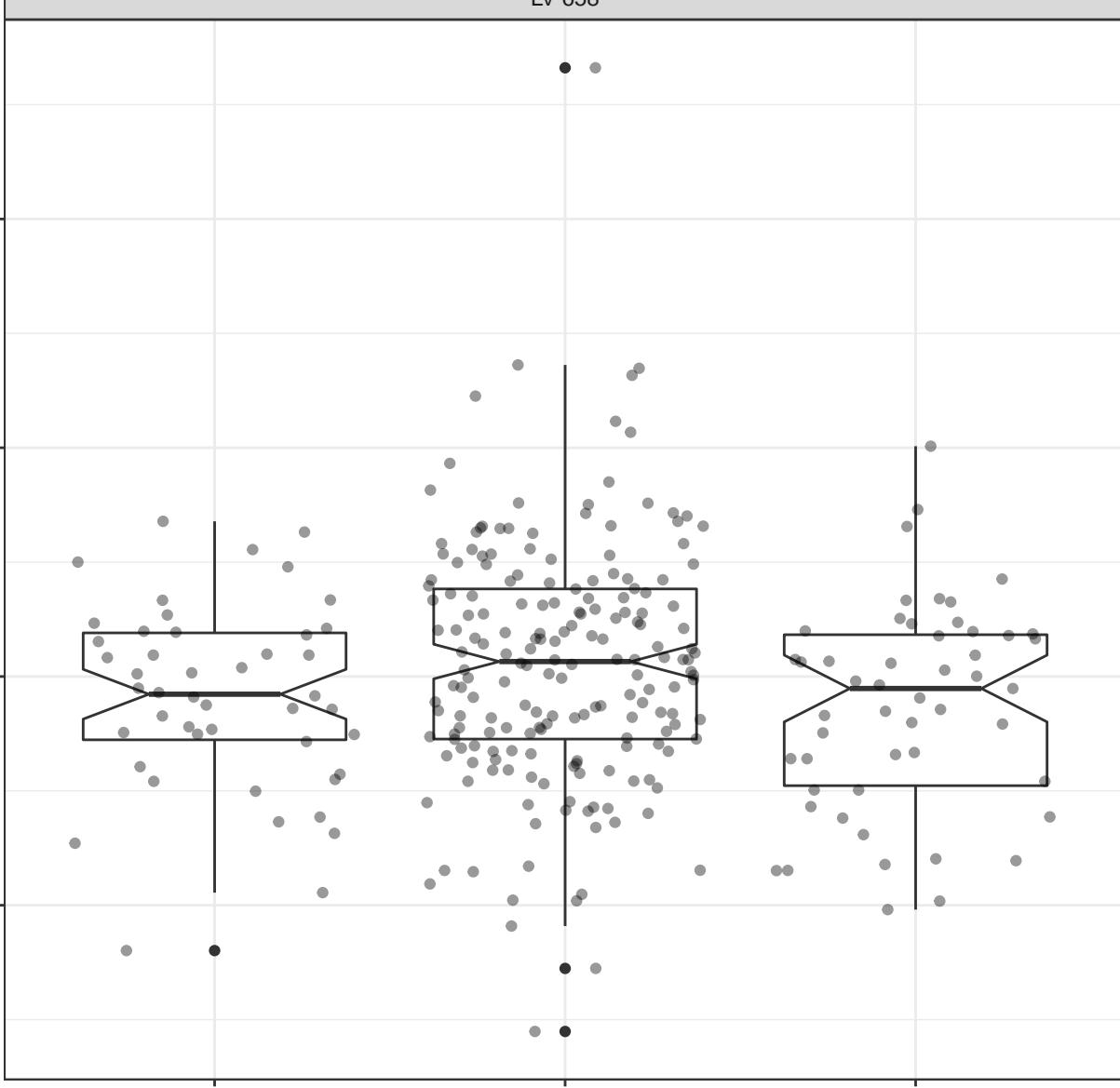
-0.05

Group 3

Group 4

SHH

subgroup



LV 659

Value

0.05

0.00

-0.05

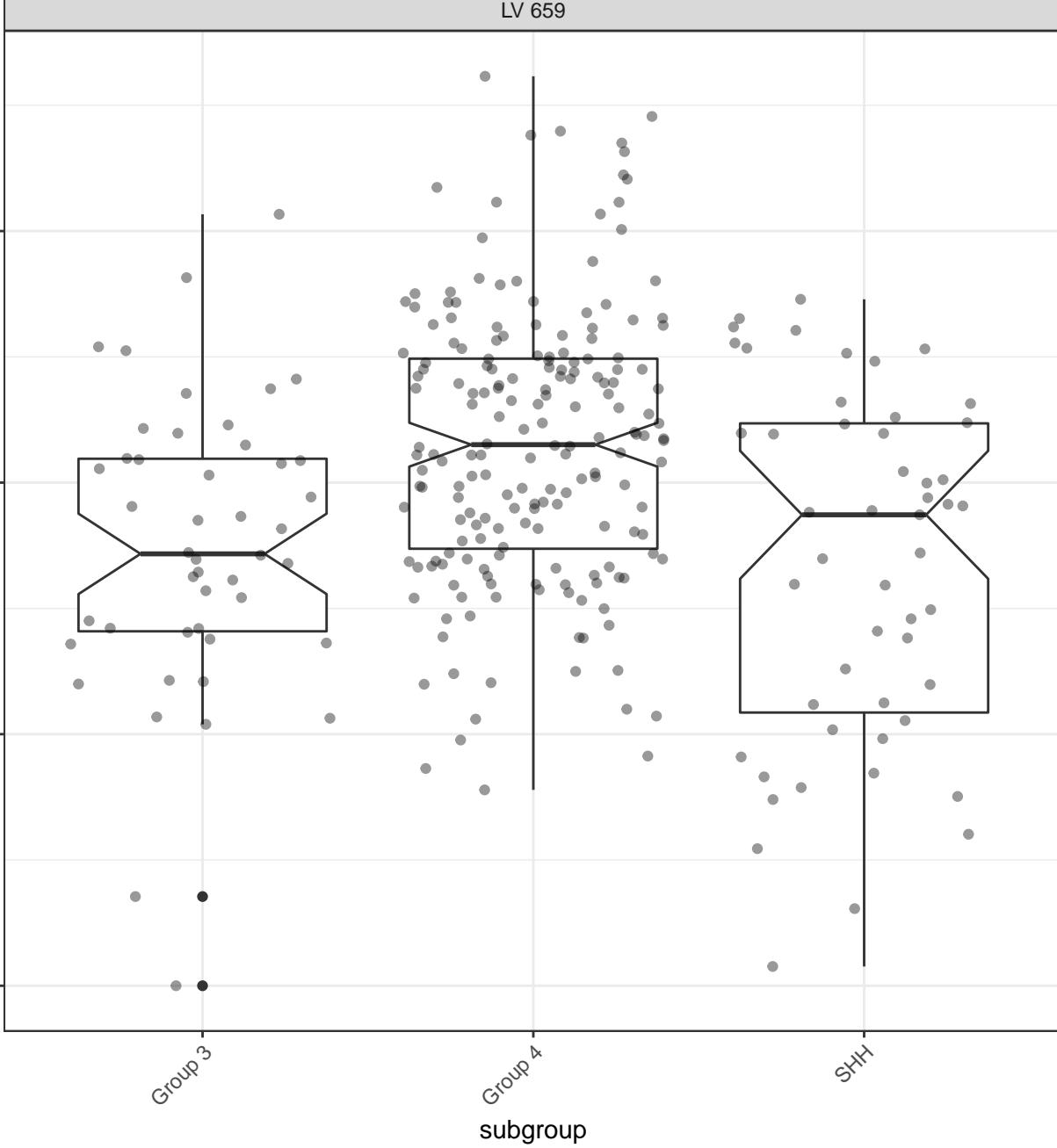
-0.10

Group 3

Group 4

SHH

subgroup



LV 660

Vvalue

0.10

0.05

0.00

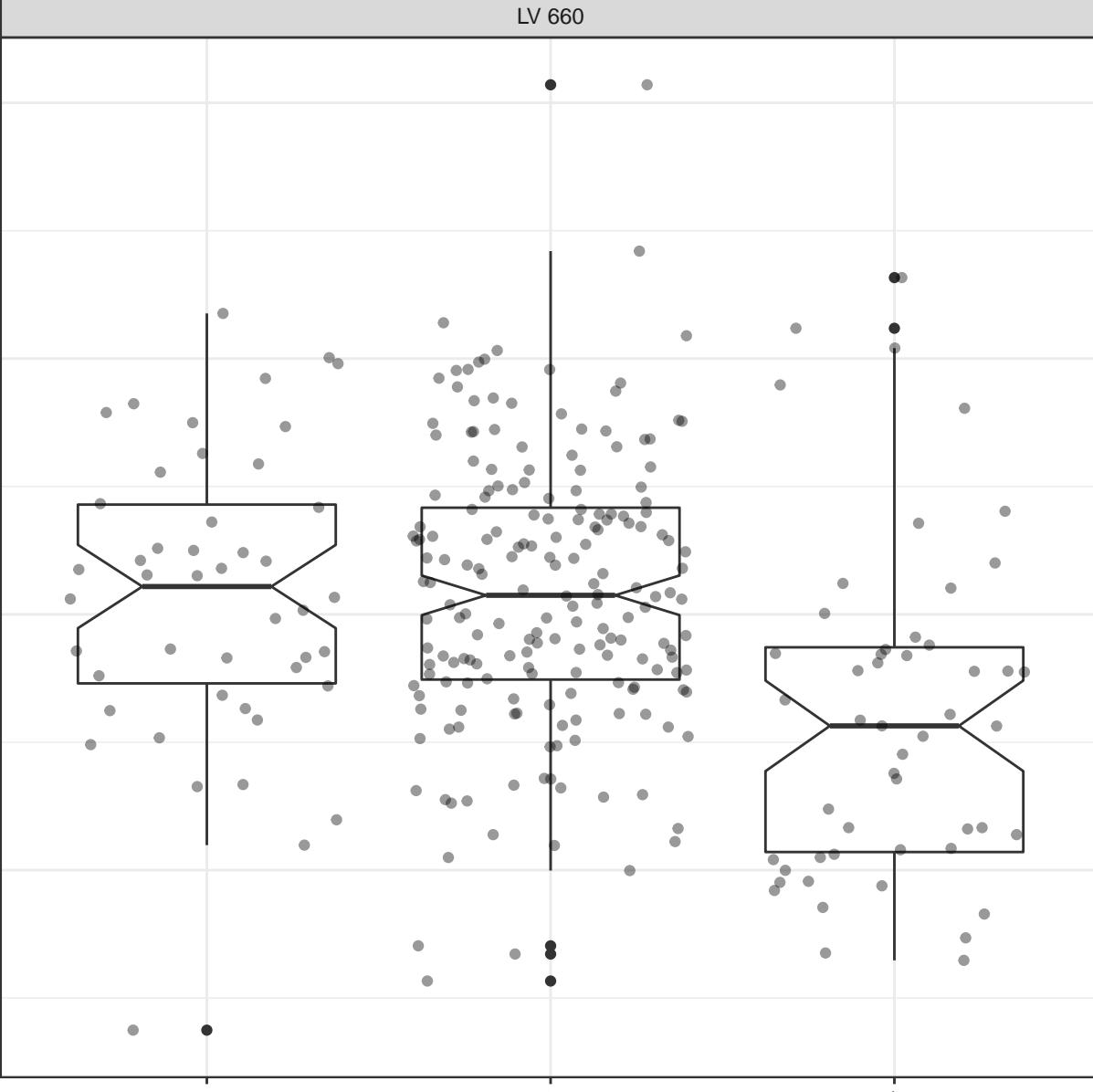
-0.05

Group 3

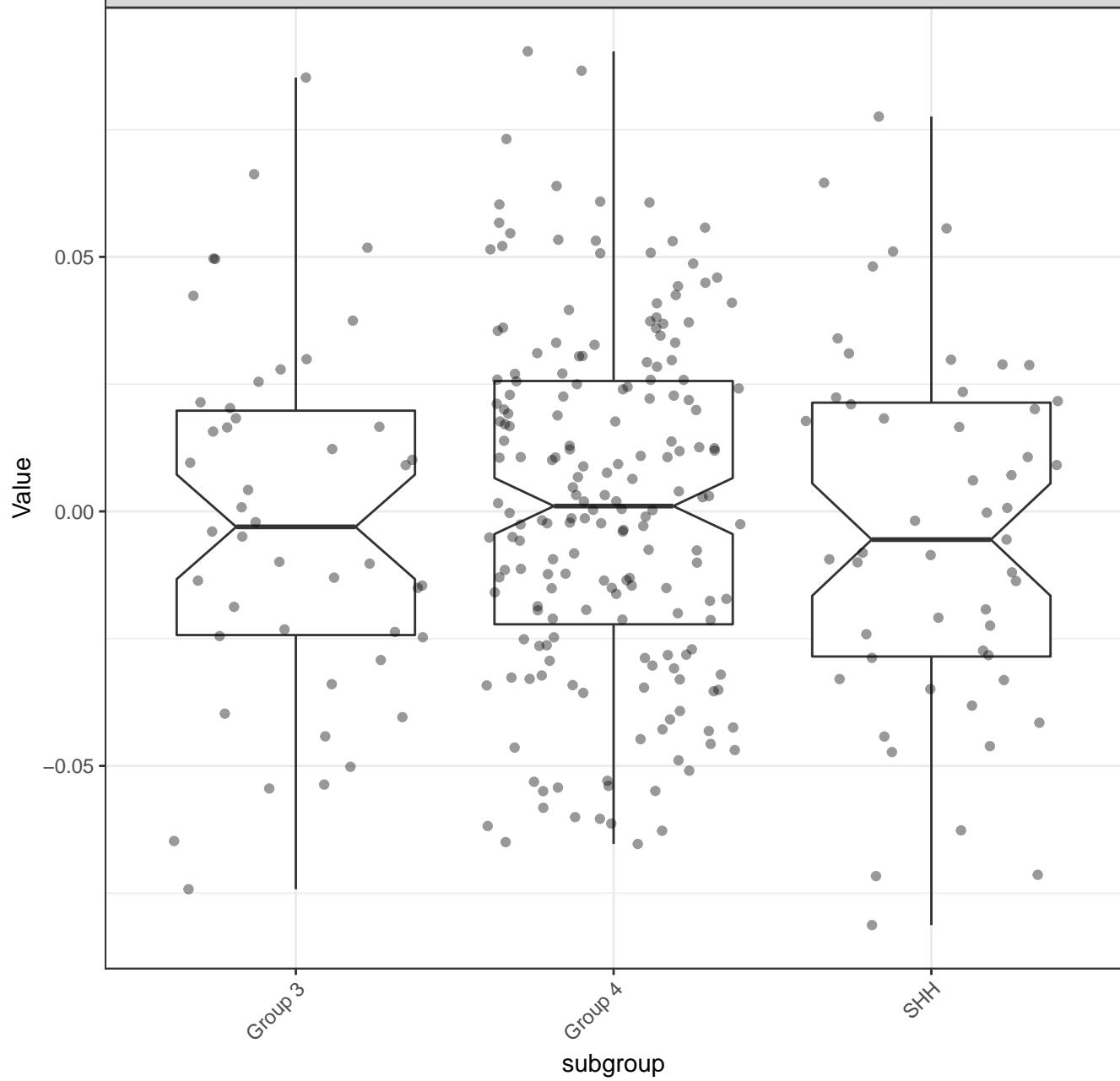
subgroup

Group 4

SHH



LV 661



662,REACTOME_TRANSMISSION_ACROSS_chemical_SYNAPSES

Value

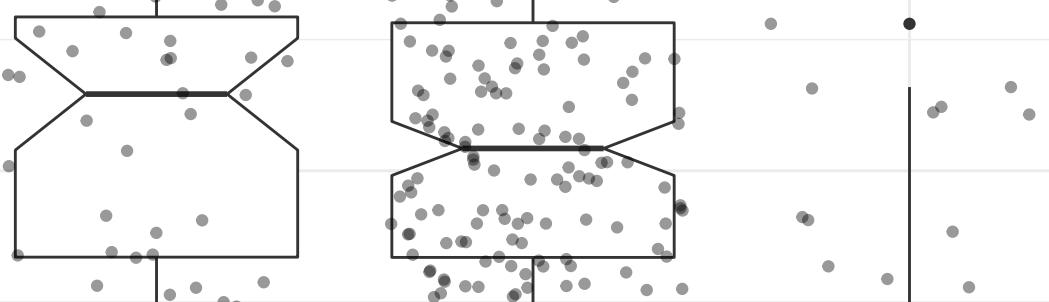
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

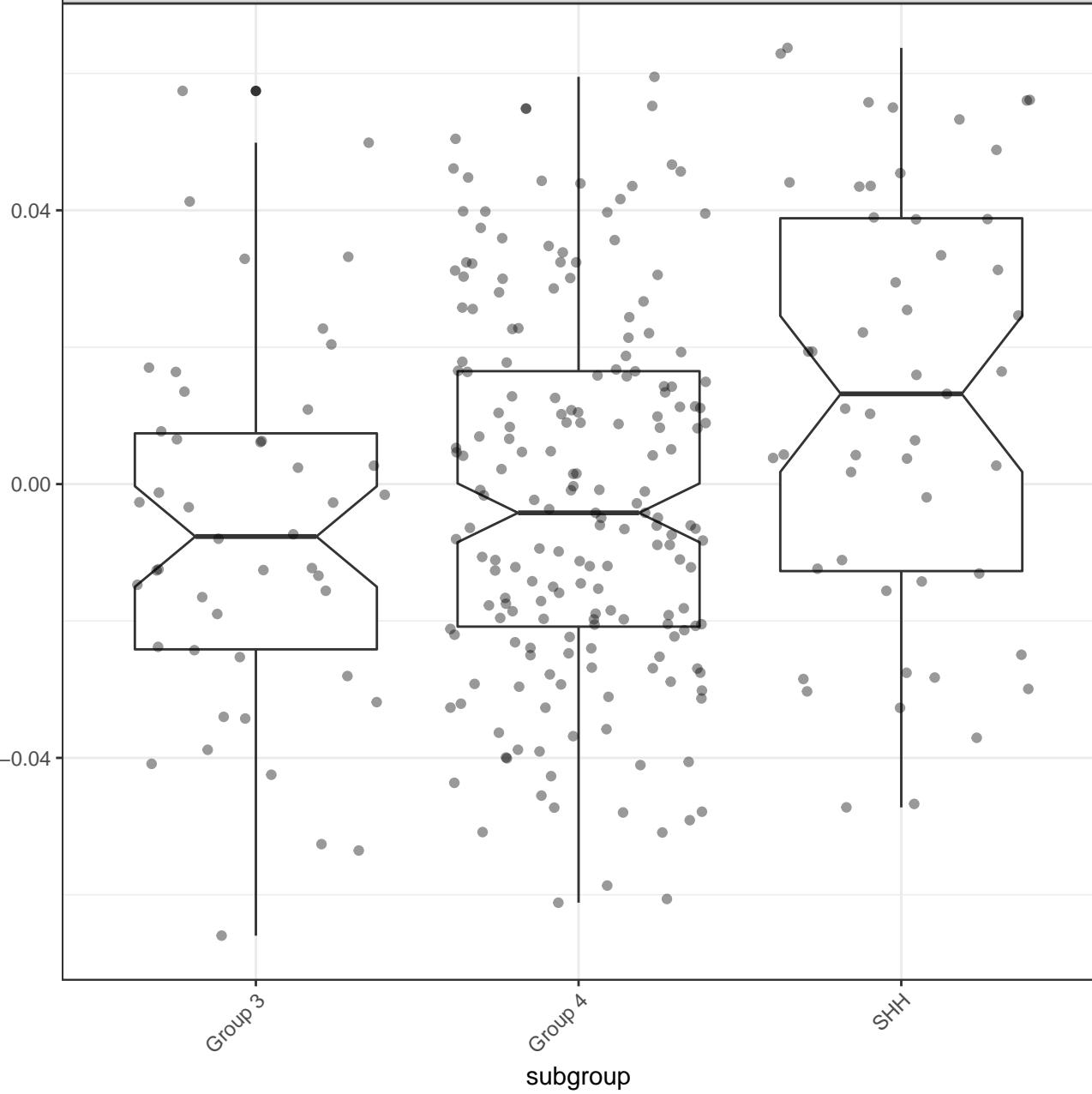
SHH

subgroup

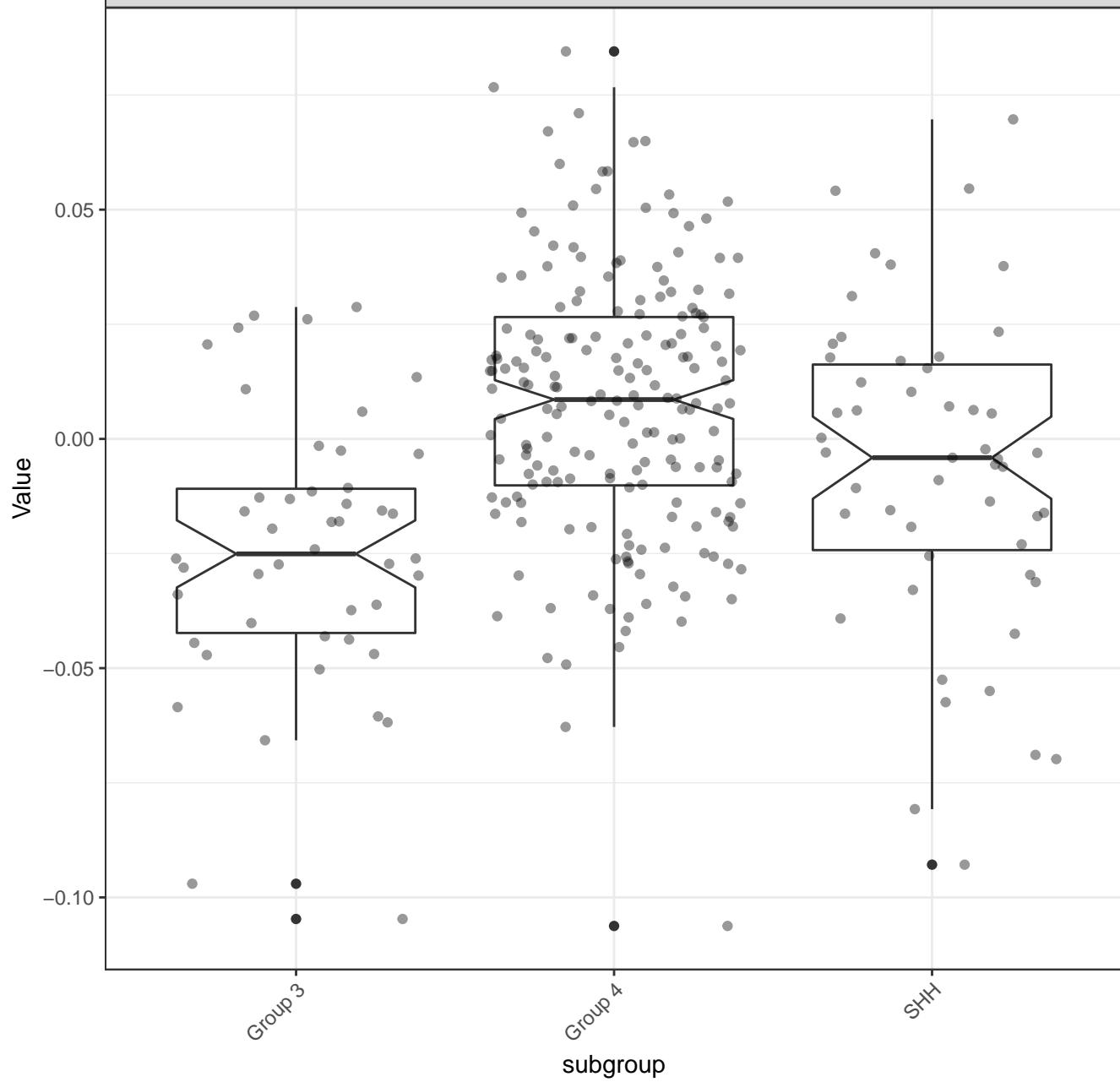


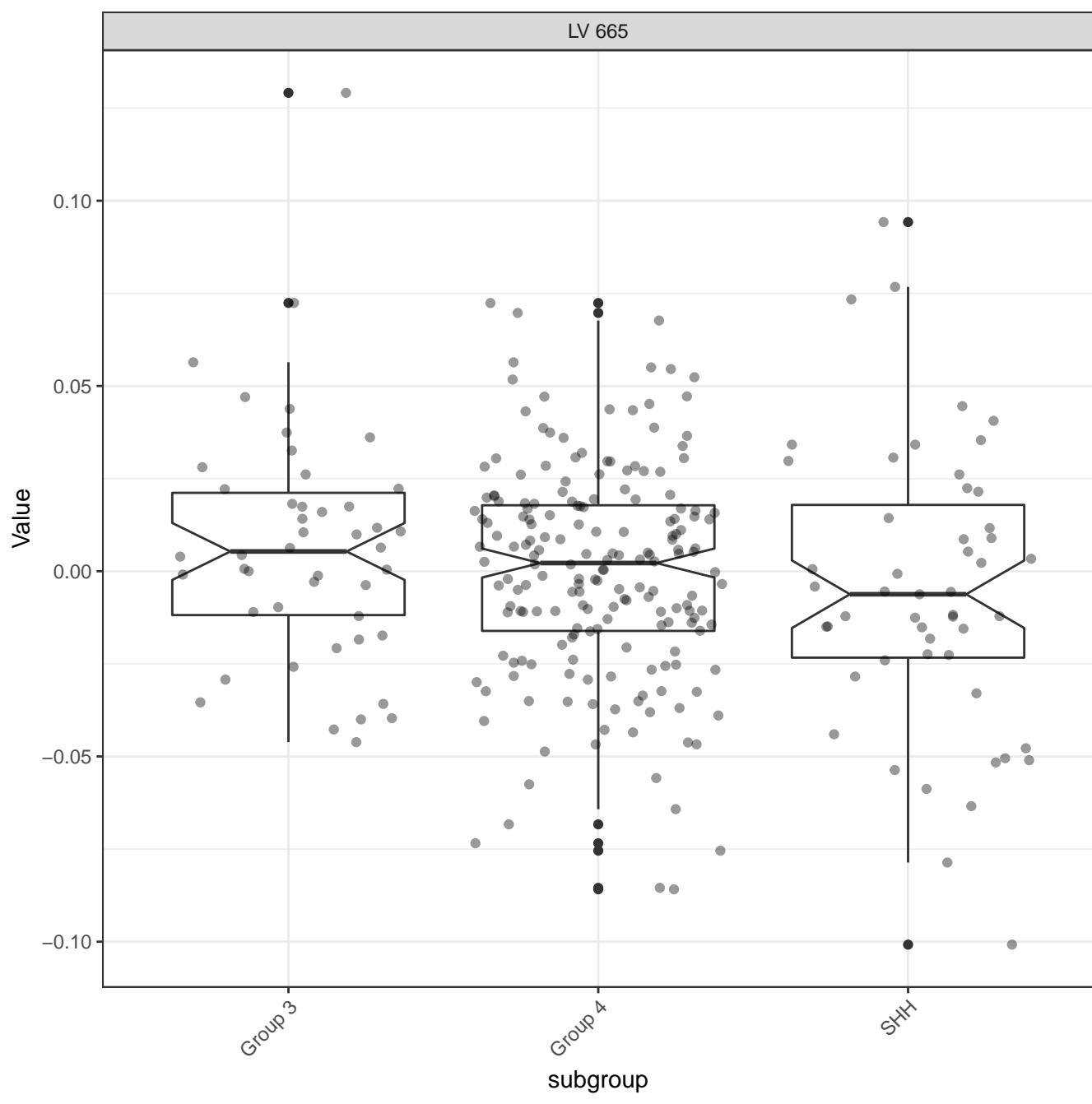
LV 663

Value



LV 664





LV 666

Value

0.05

0.00

-0.05

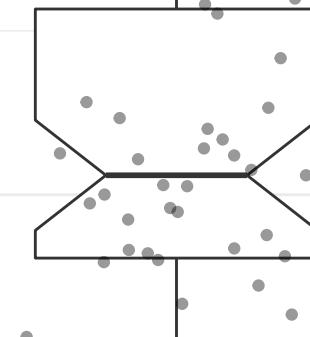
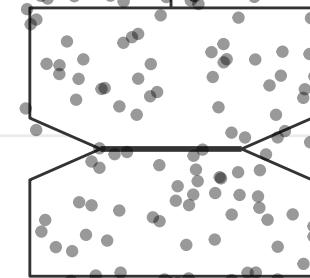
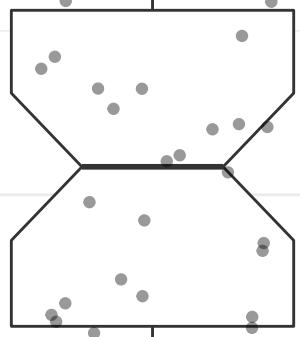
-0.10

Group 3

Group 4

SHH

subgroup



LV 667

Value

0.05

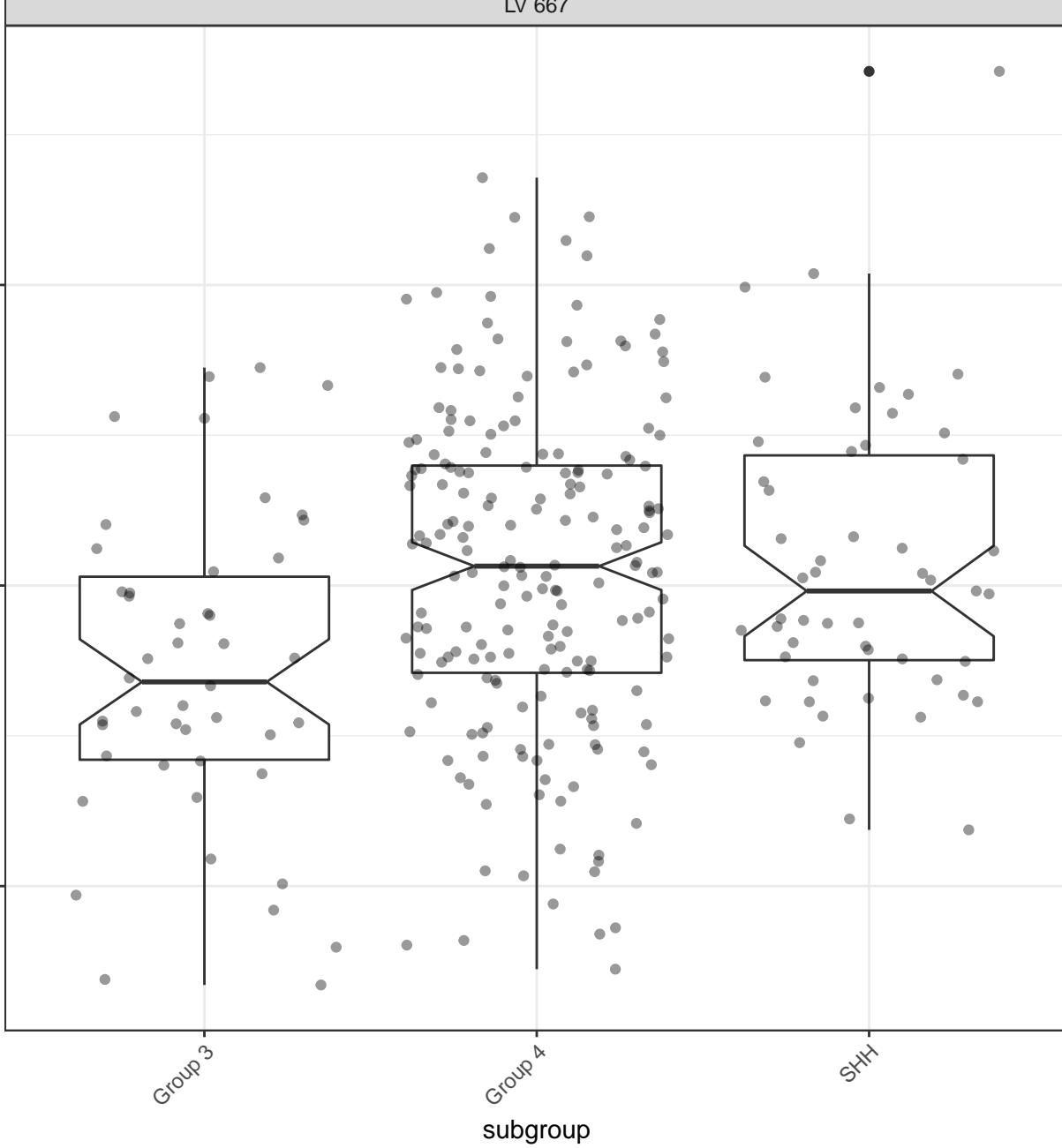
0.00

-0.05

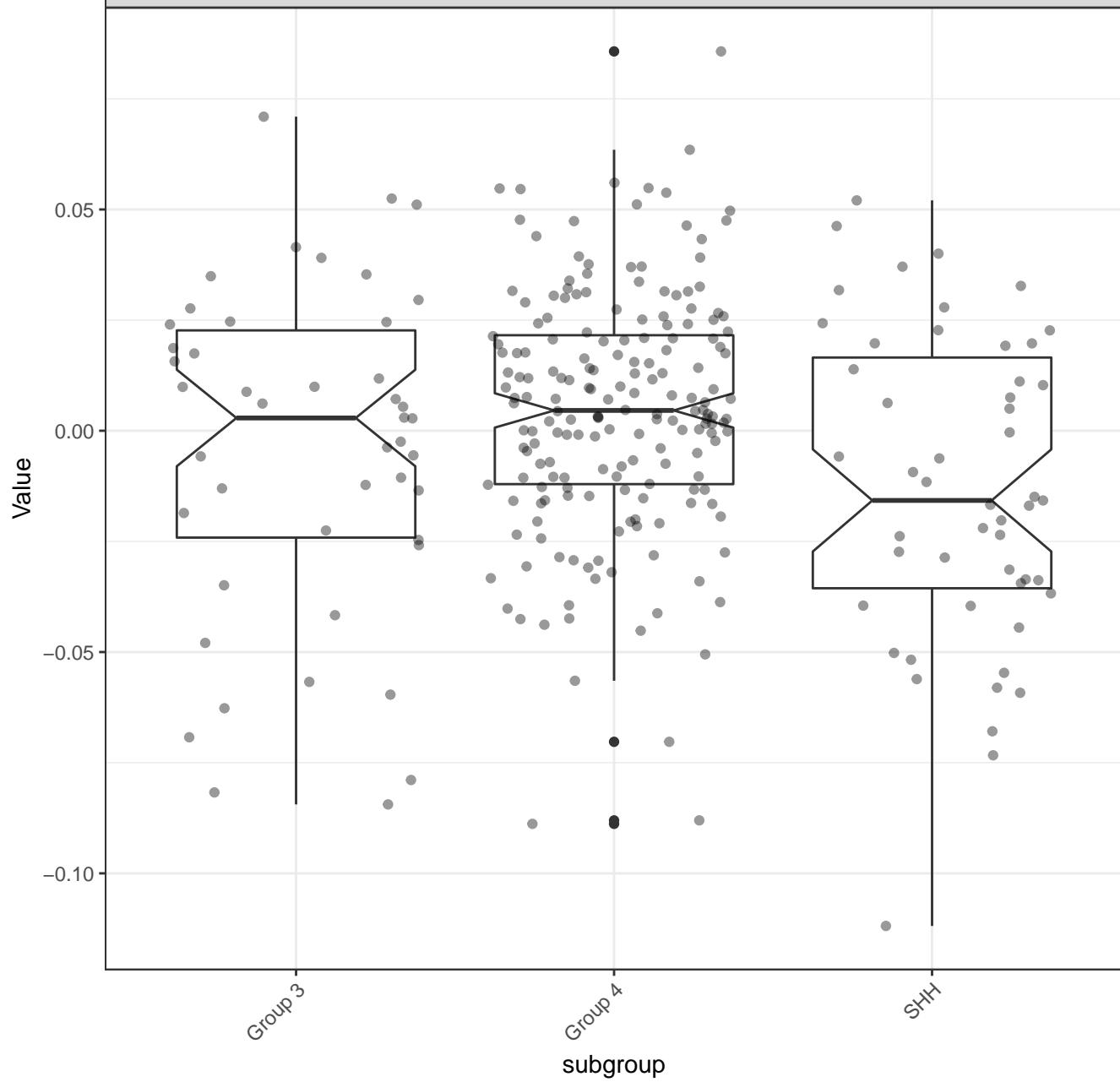
Group 3

subgroup

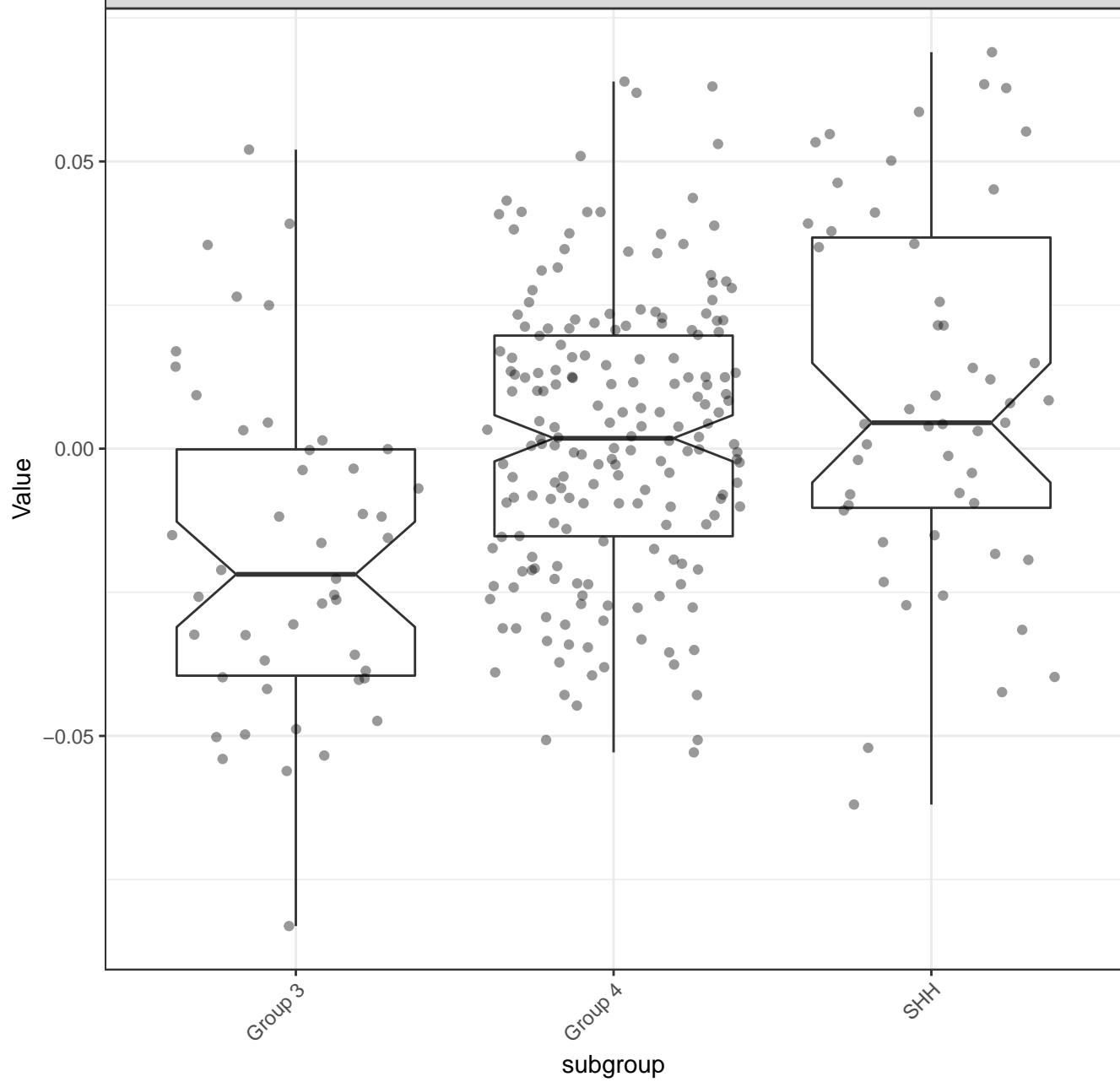
SHH



LV 668



LV 669



670,REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSPORTERS

Value

0.1

0.0

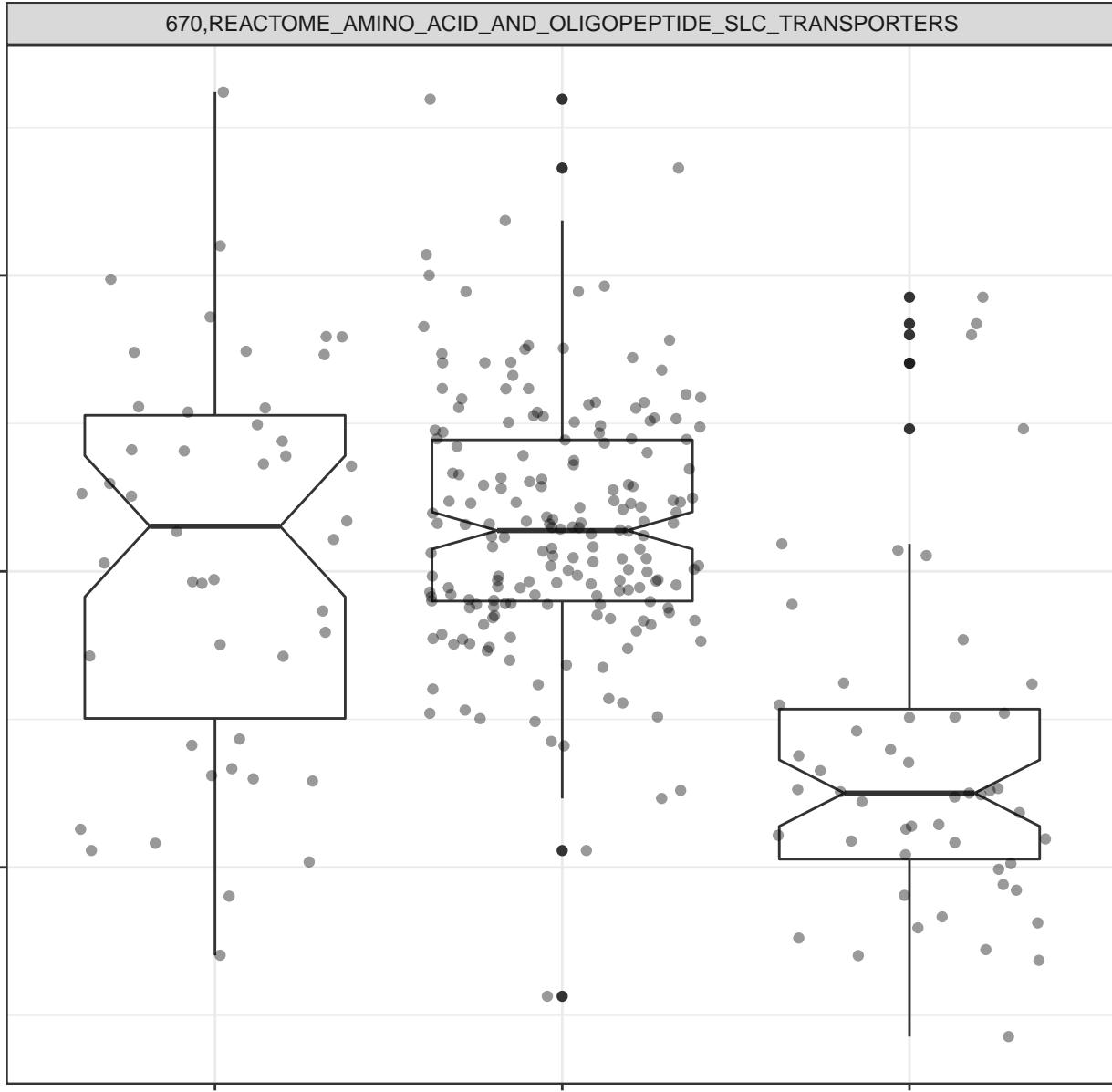
-0.1

Group 3

Group 4

SHH

subgroup



671,REACTOME_COLLAGEN_FORMATION

Value

0.2

0.1

0.0

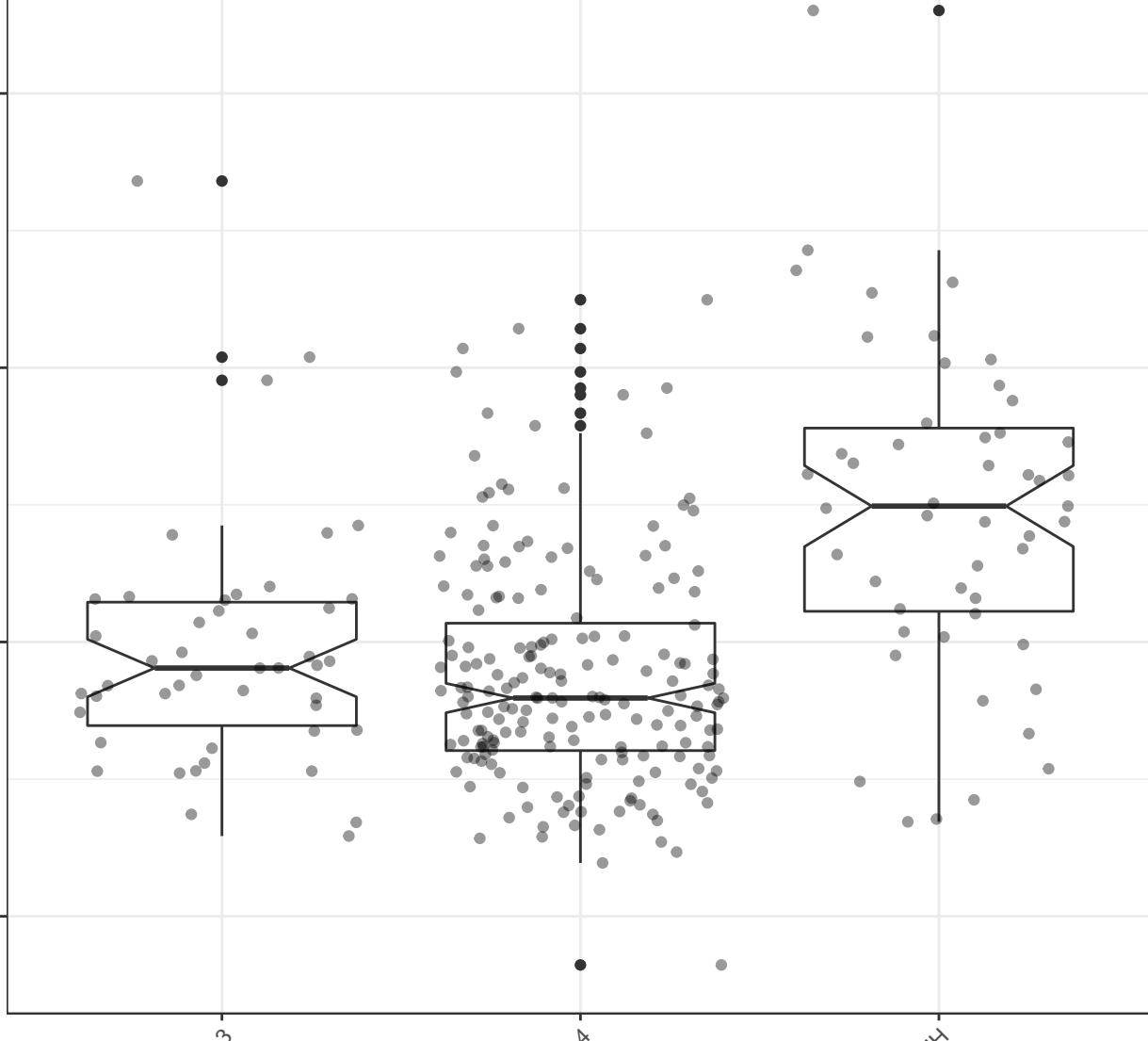
-0.1

Group 3

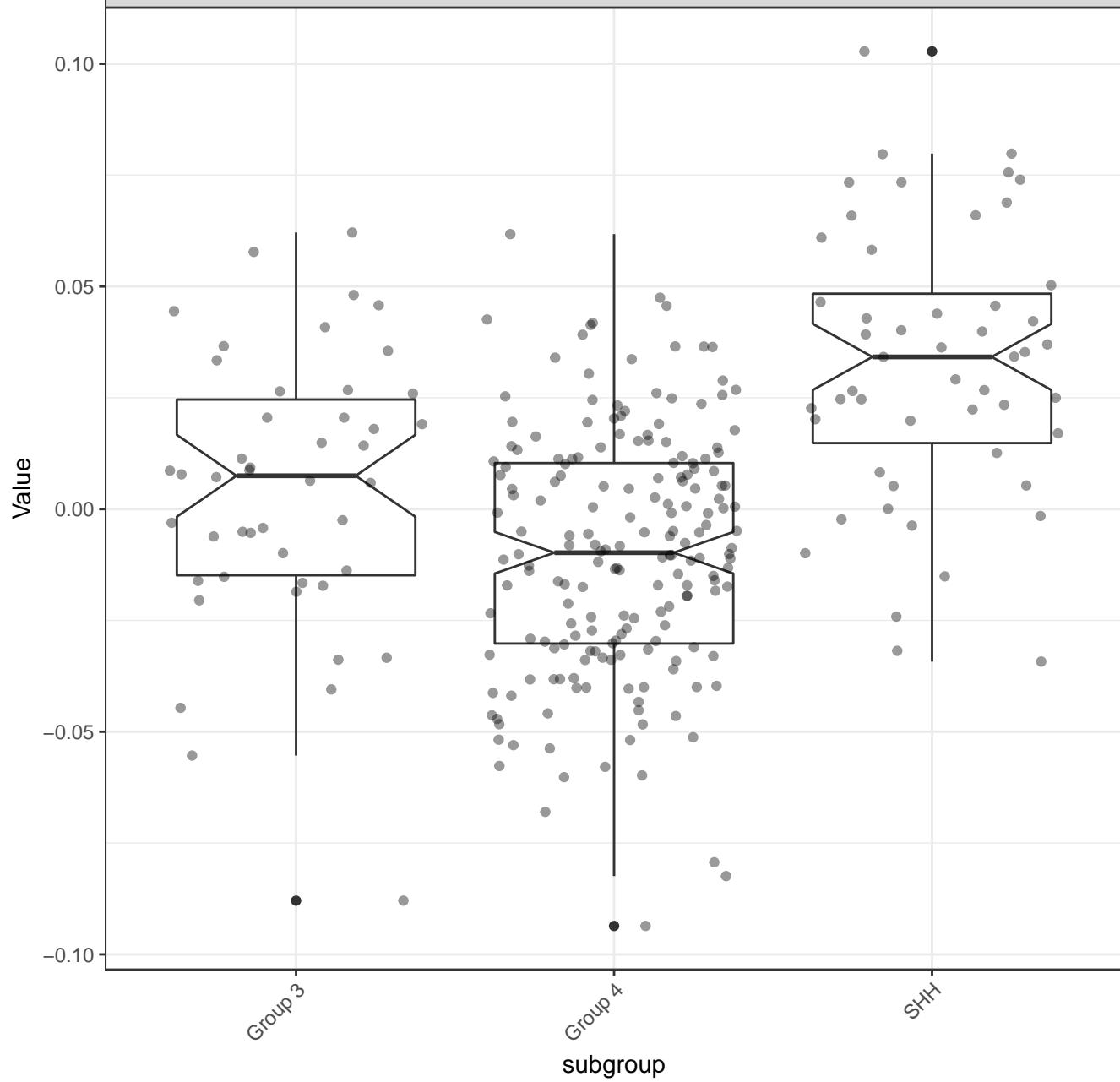
Group 4

SHH

subgroup



LV 672



Value

0.04

0.00

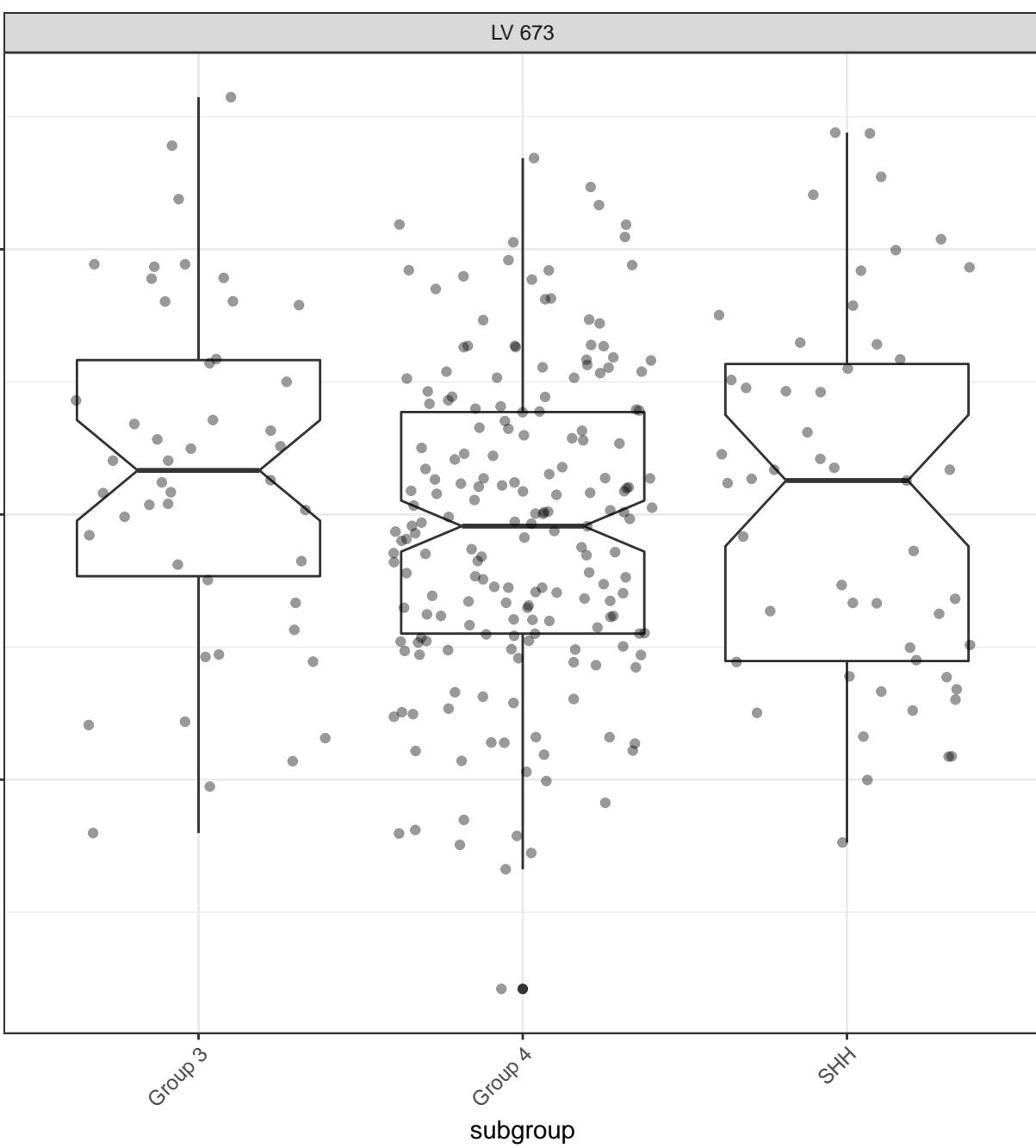
-0.04

Group 3

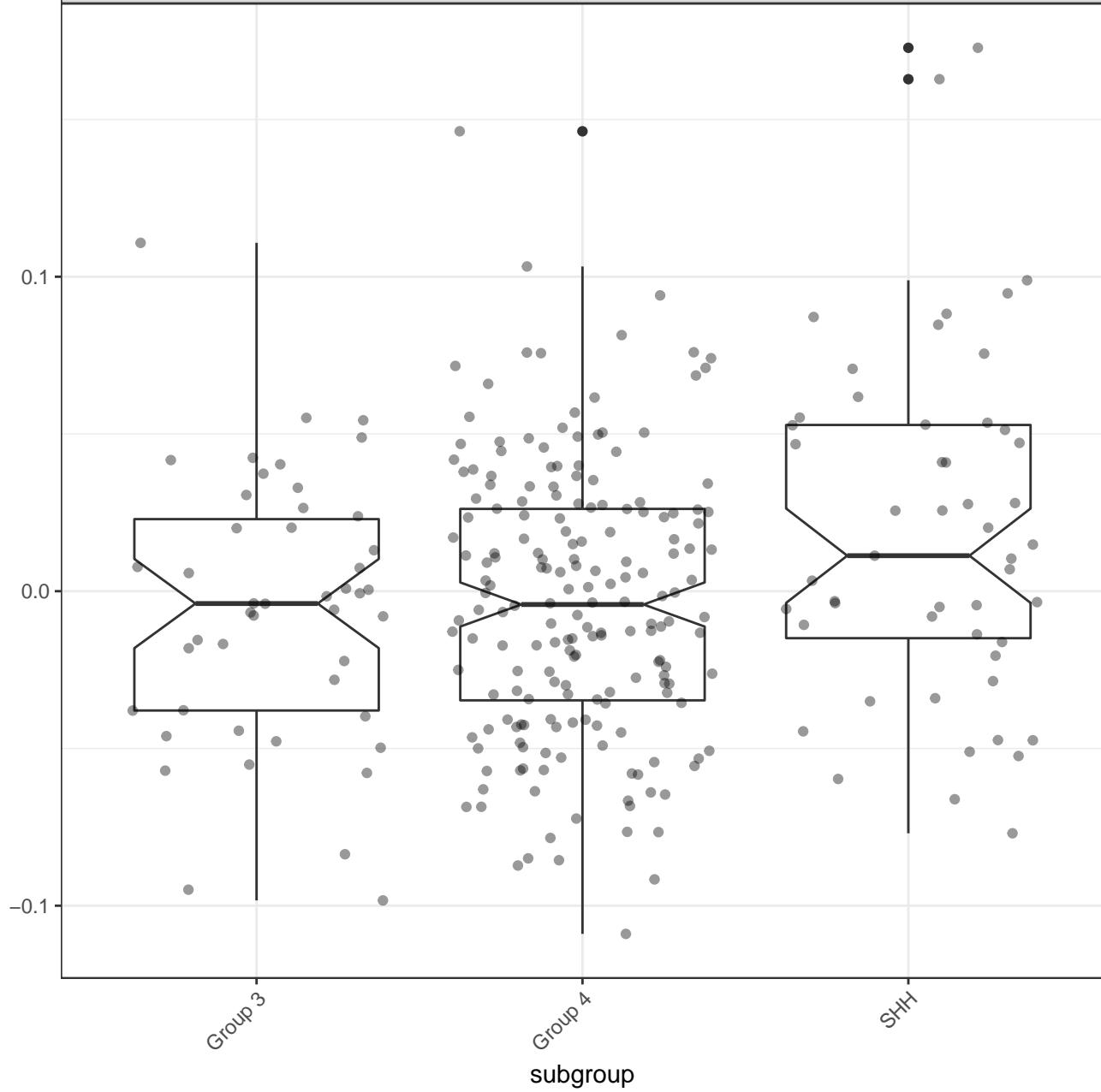
Group 4

SHH

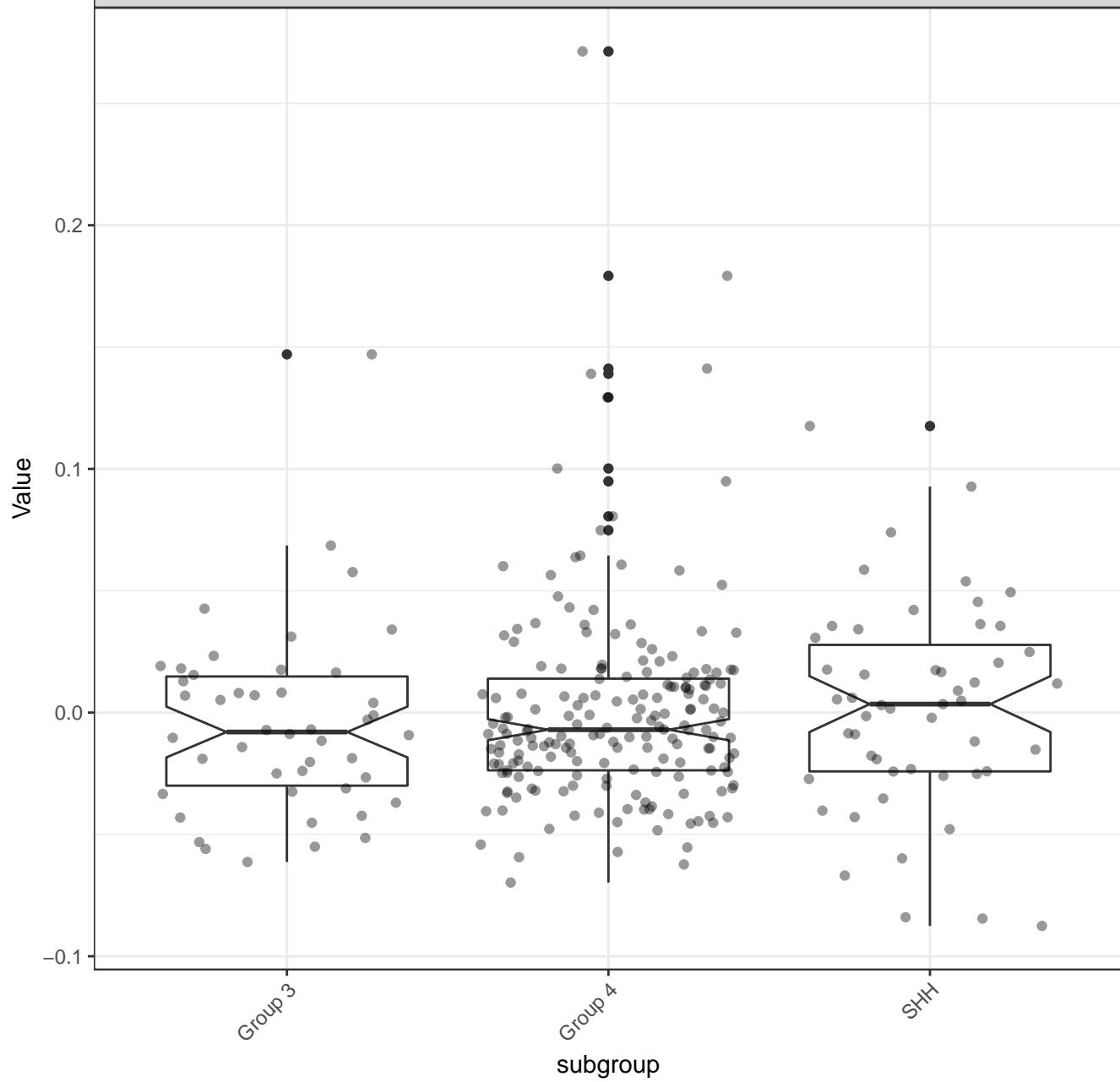
subgroup



Value



675,IRIS_Neutrophil–Resting



LV 676

Value

0.10

0.05

0.00

-0.05

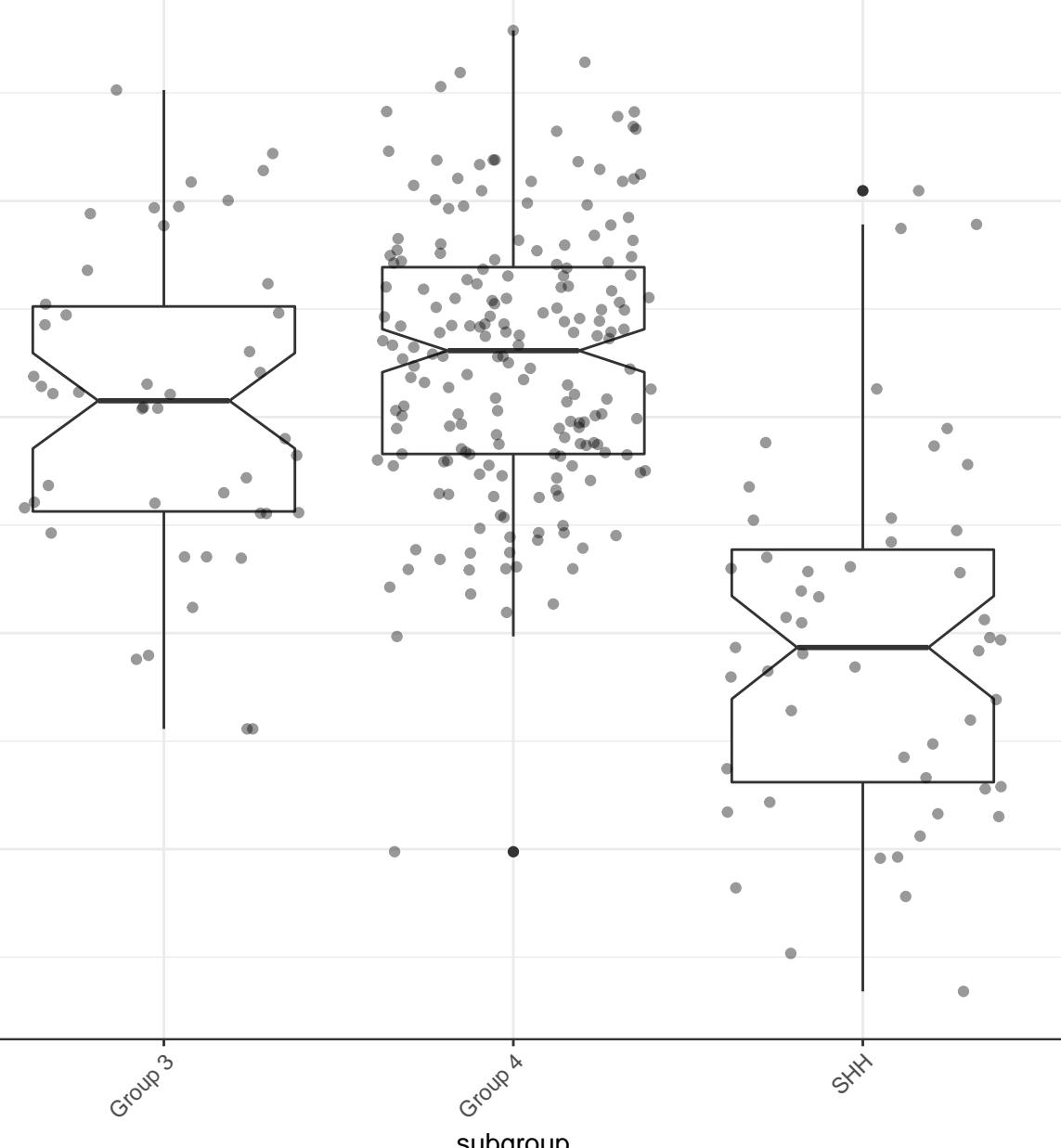
-0.10

Group 3

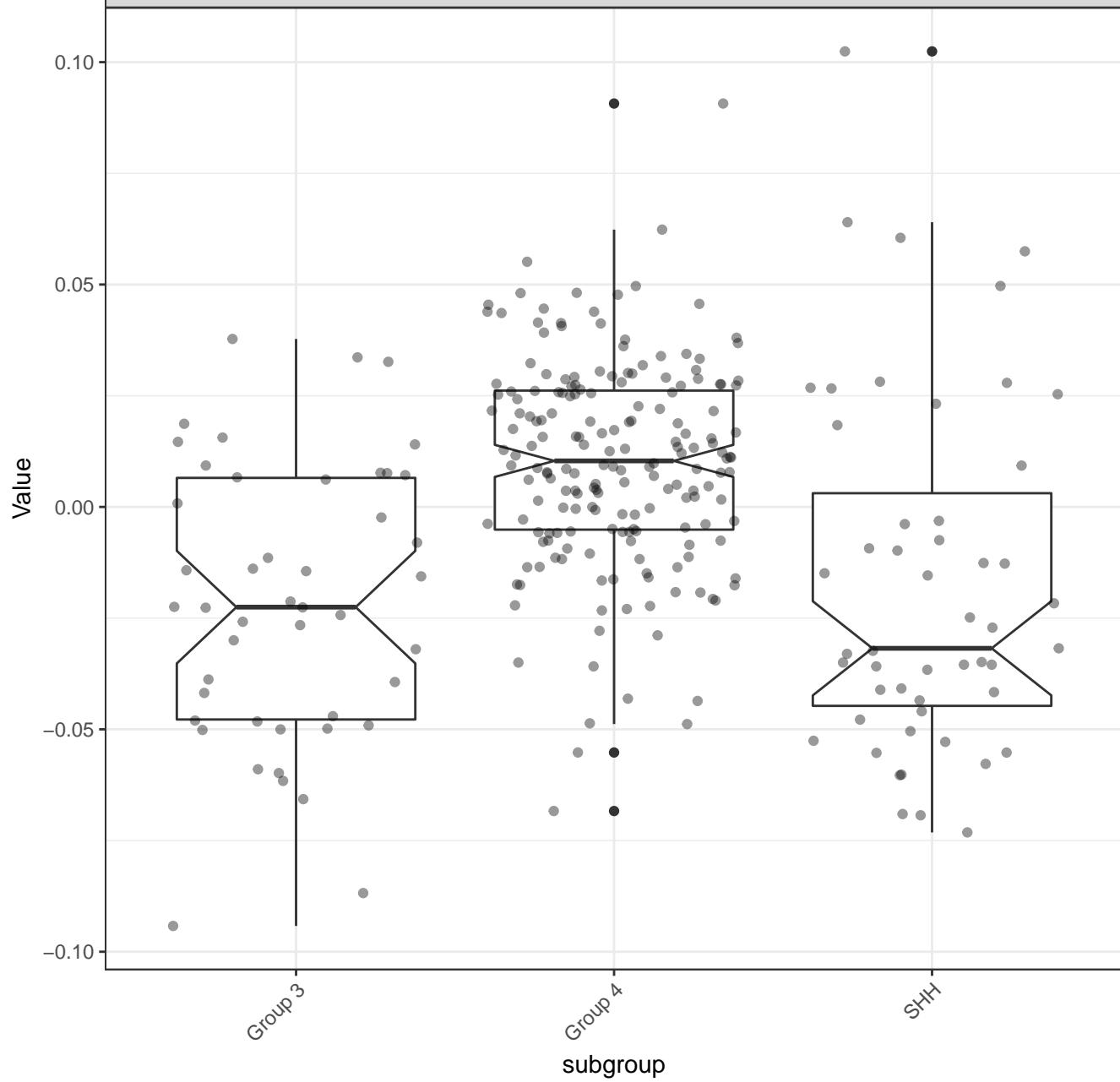
subgroup

Group 4

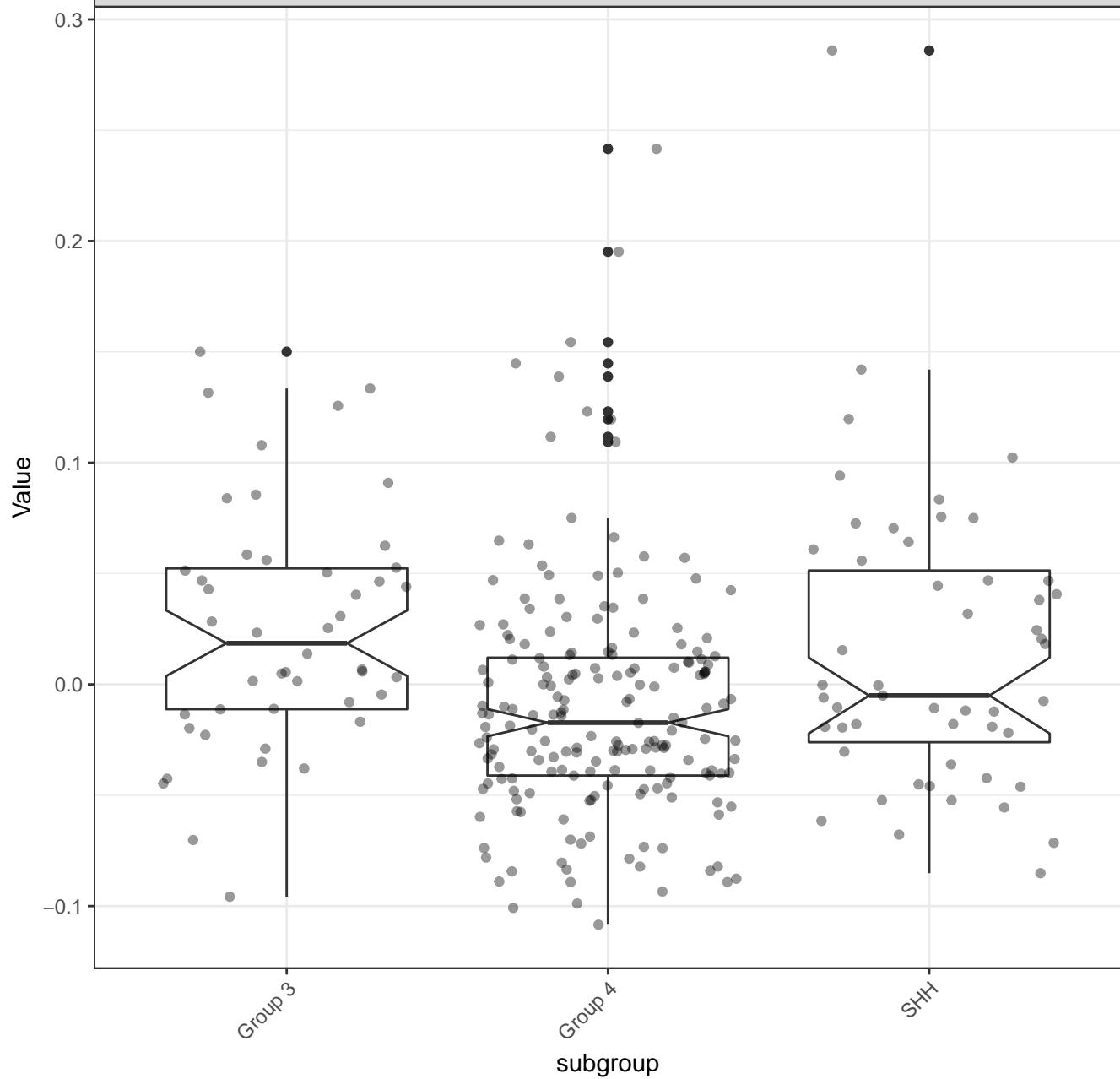
SHH



LV 677



ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING_AND_HEAT_PRODUCTION



LV 679

Value

0.10

0.05

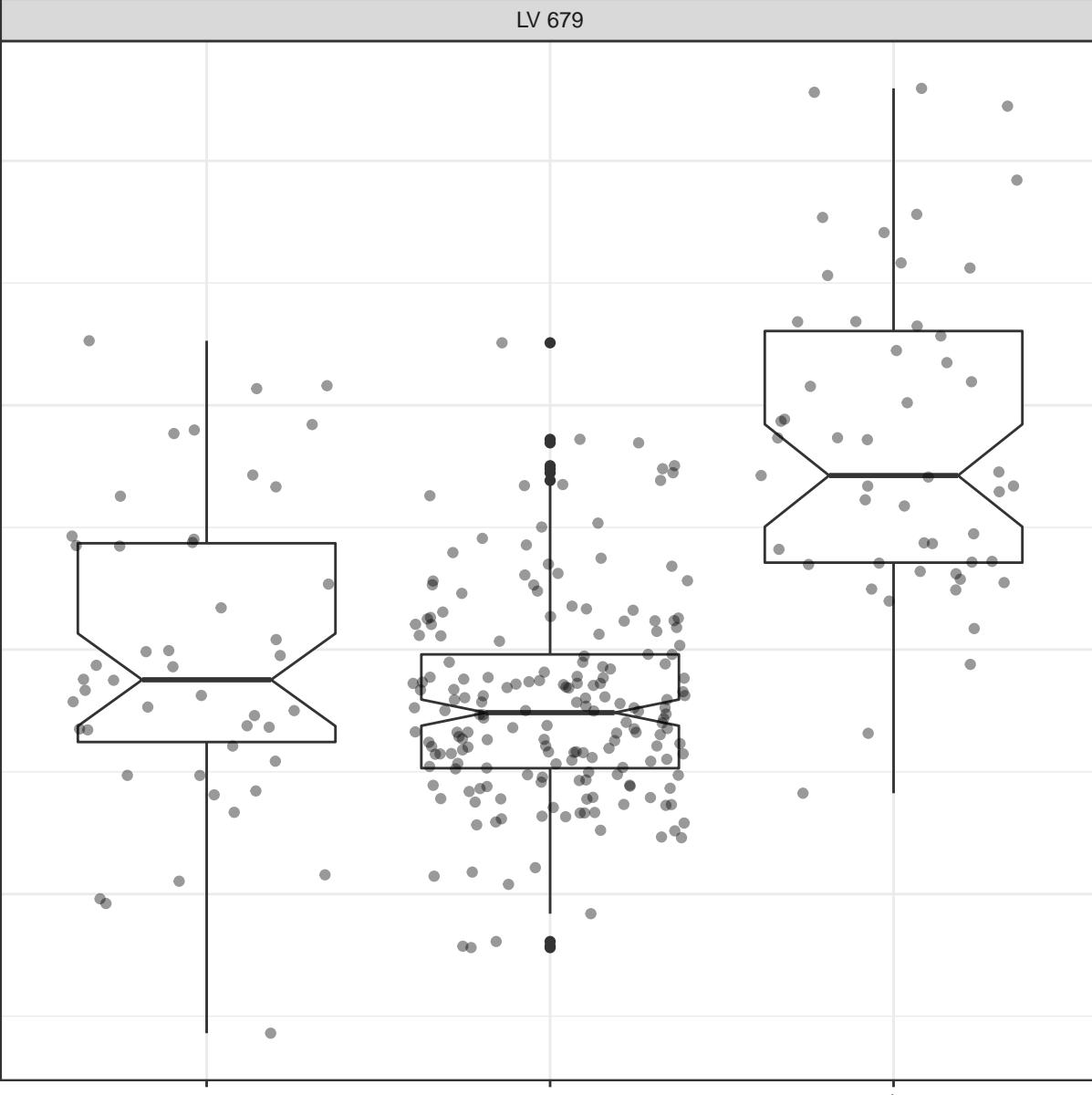
0.00

-0.05

Group 3

subgroup

SHH



LV 680

Value

0.10

0.05

0.00

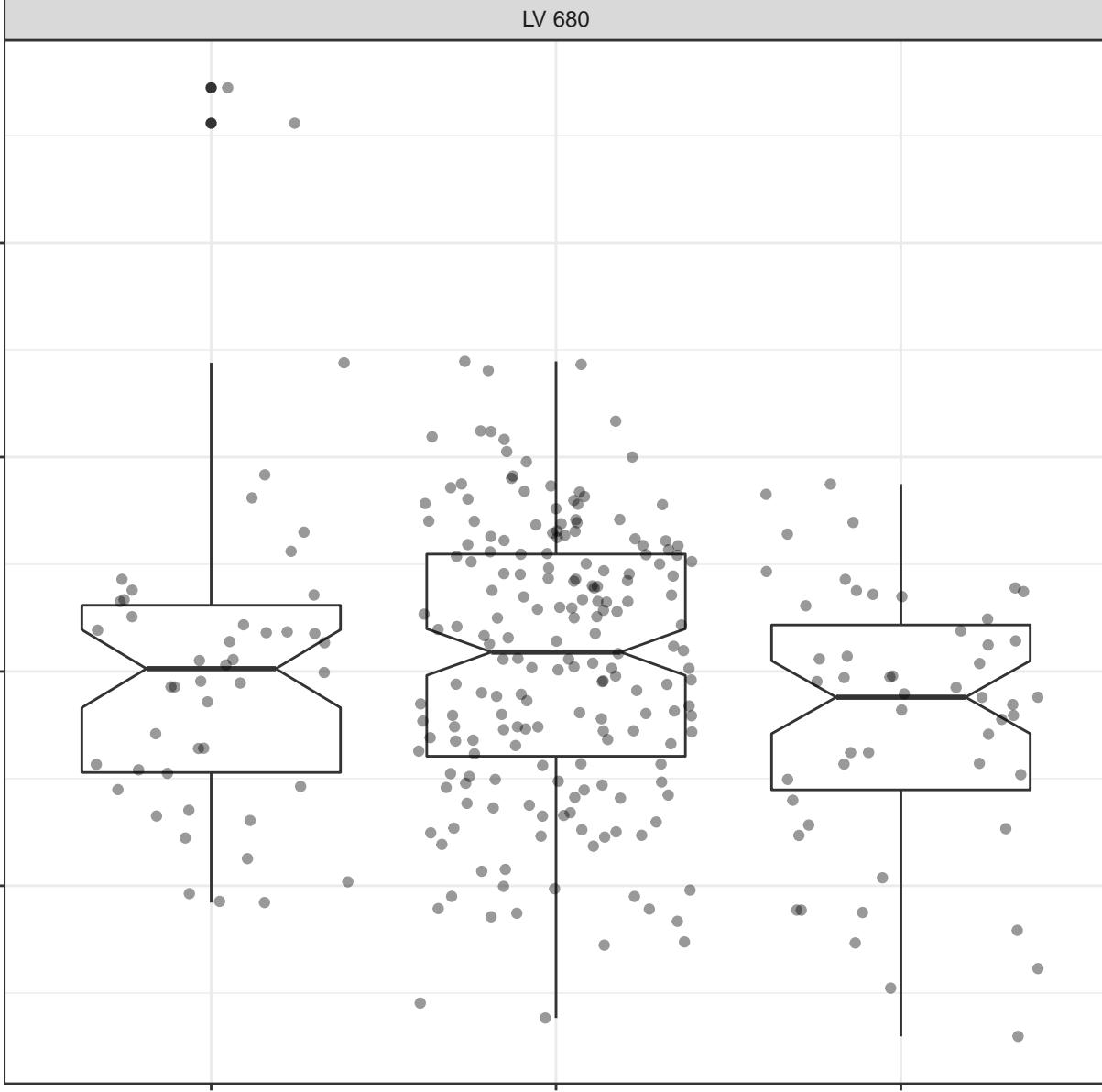
-0.05

Group 3

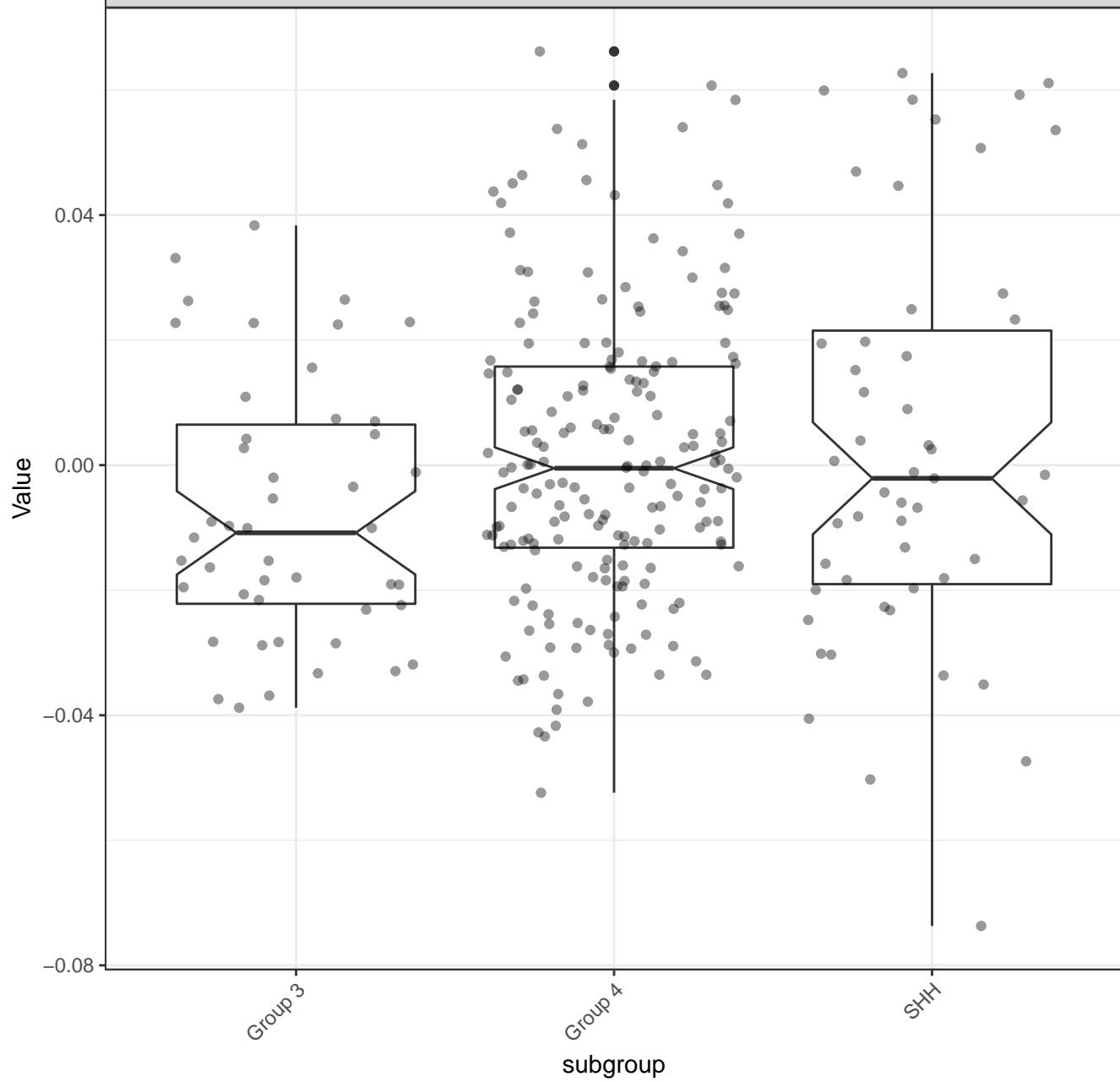
Group 4

SHH

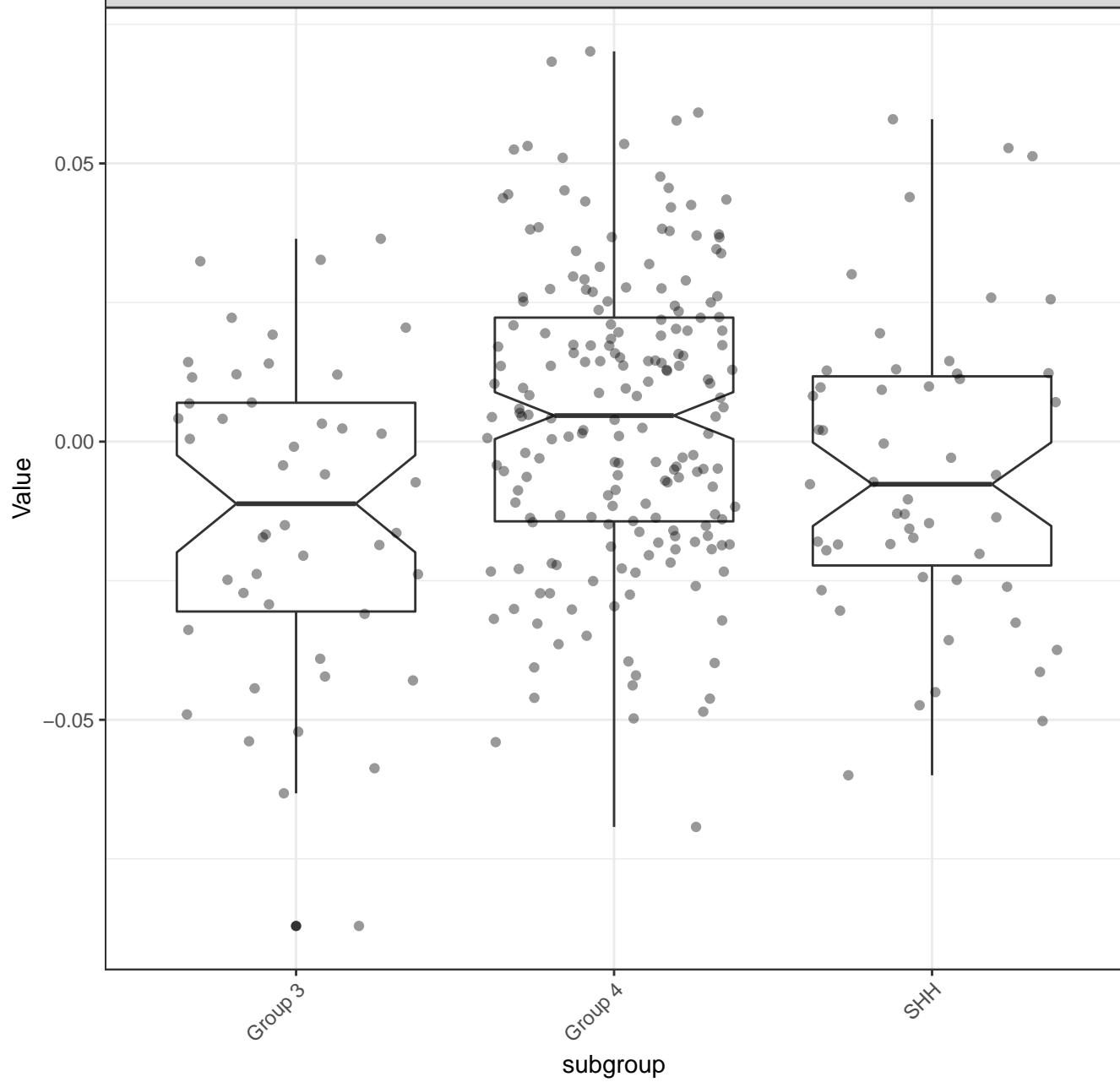
subgroup



LV 681



LV 682



LV 683

Value

0.10

0.05

0.00

-0.05

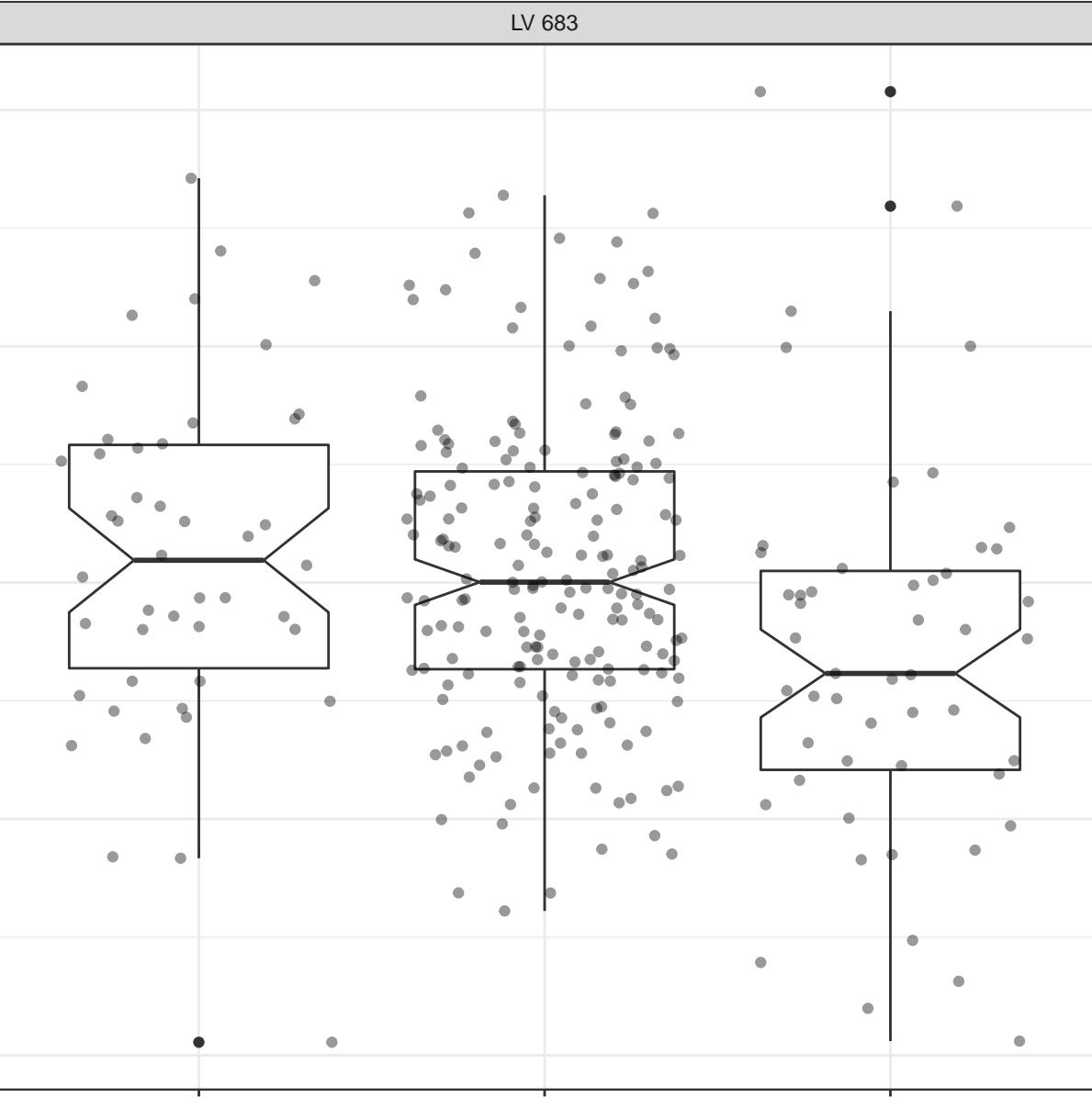
-0.10

Group 3

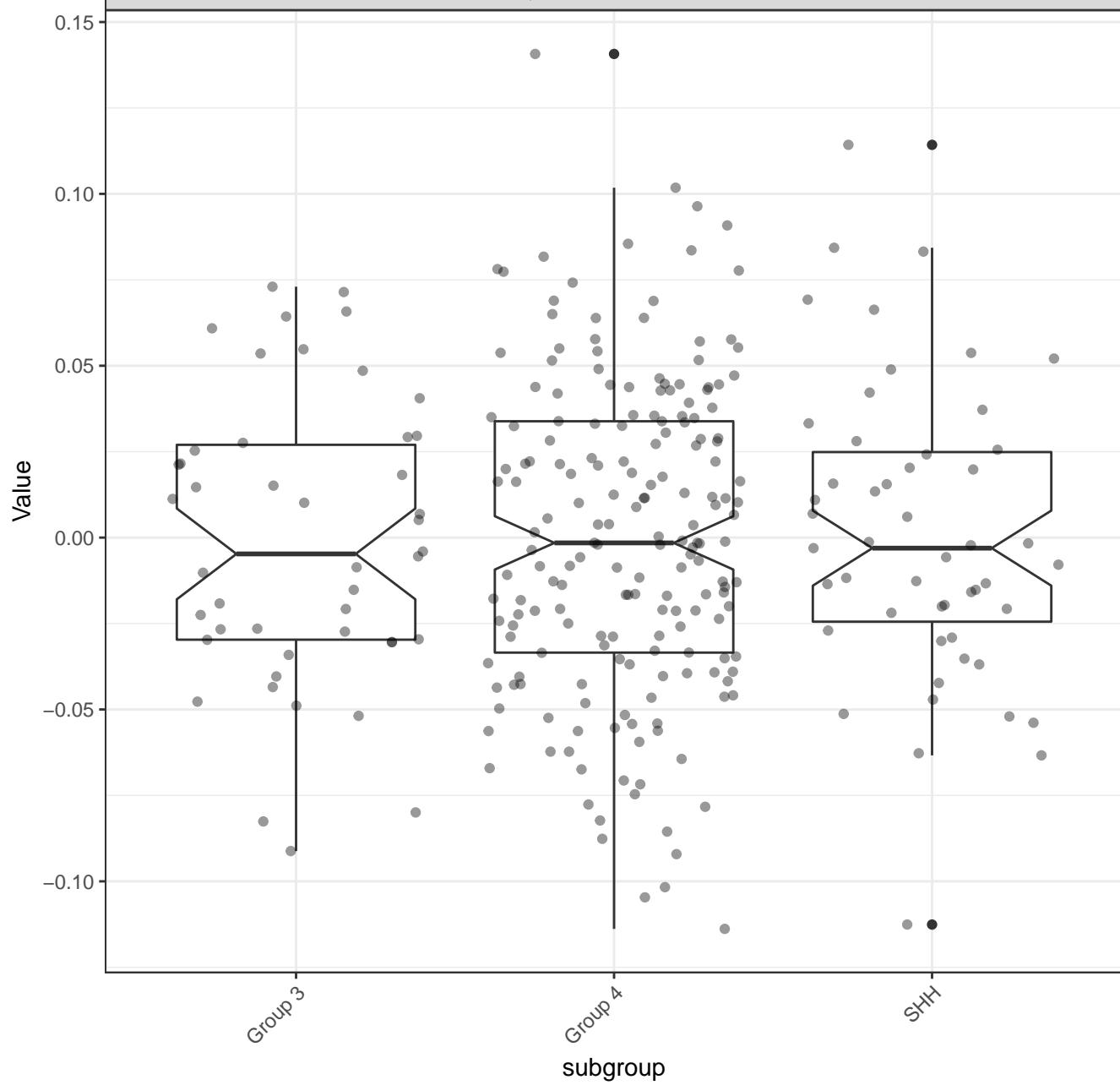
subgroup

Group 4

SHH

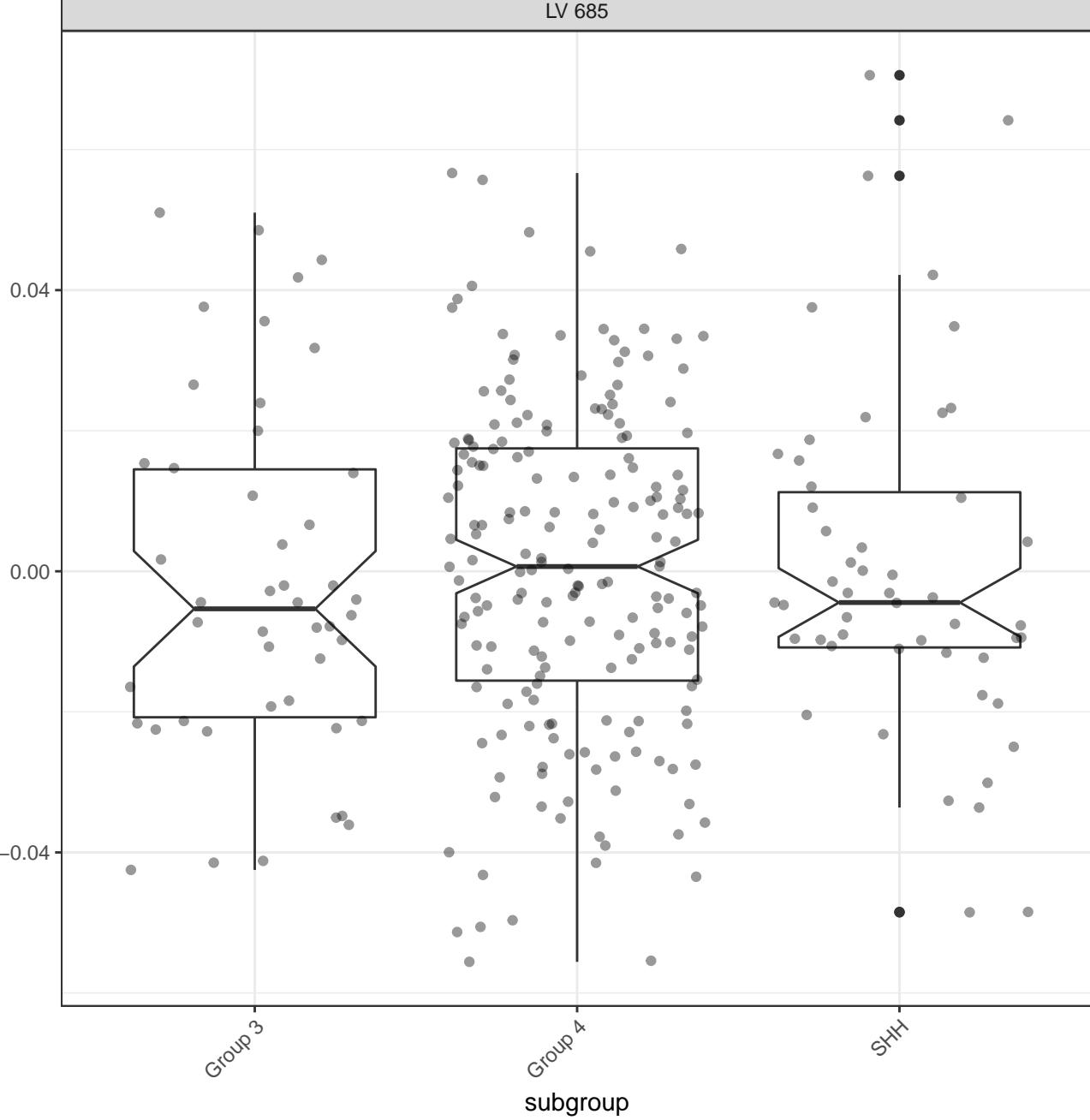


684,KEGG_CELL_CYCLE



LV 685

Value



LV 686

Value

0.10

0.05

0.00

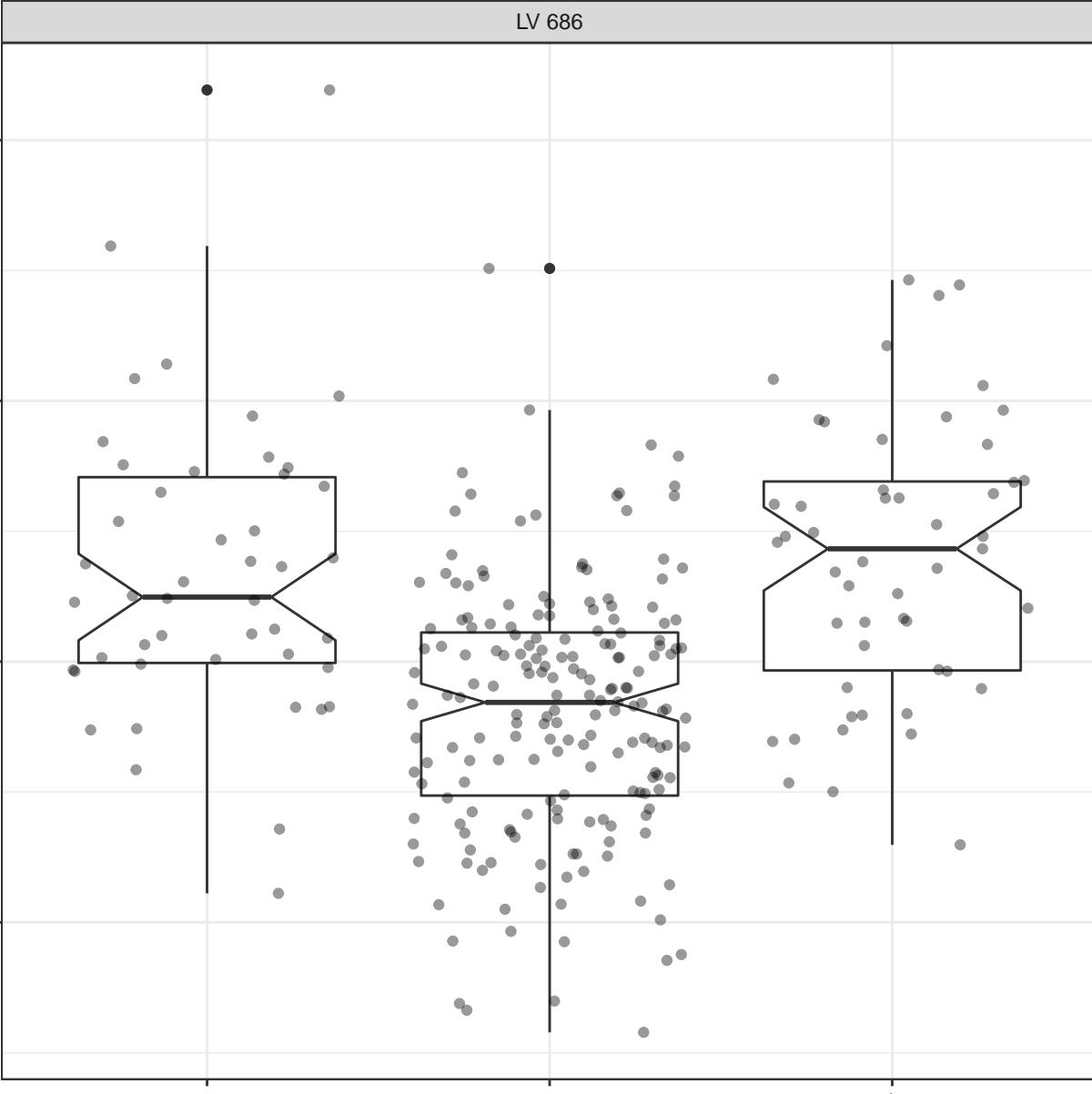
-0.05

Group 3

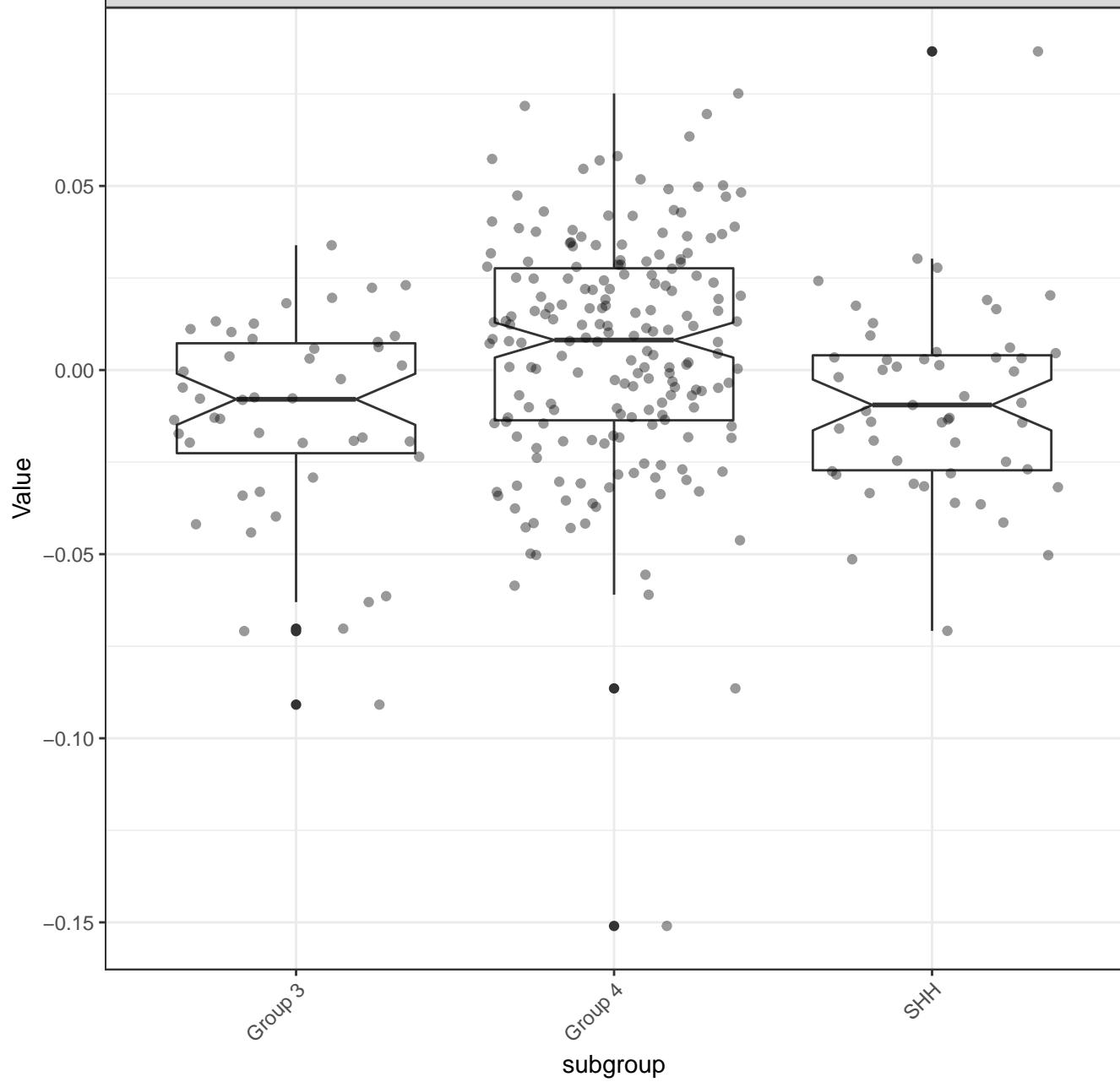
subgroup

Group 4

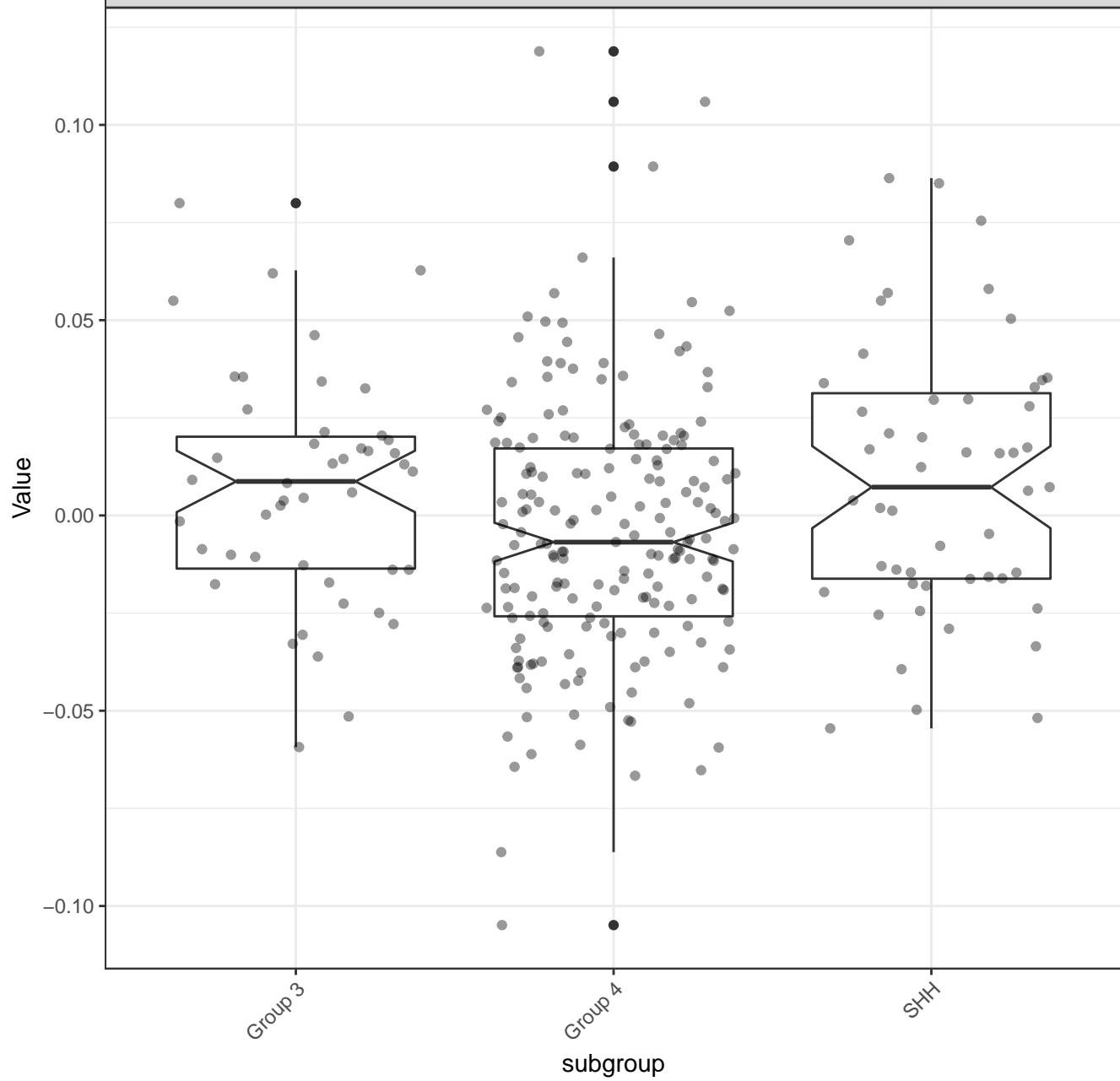
SHH



LV 687



LV 688



LV 689

Value

0.10

0.05

0.00

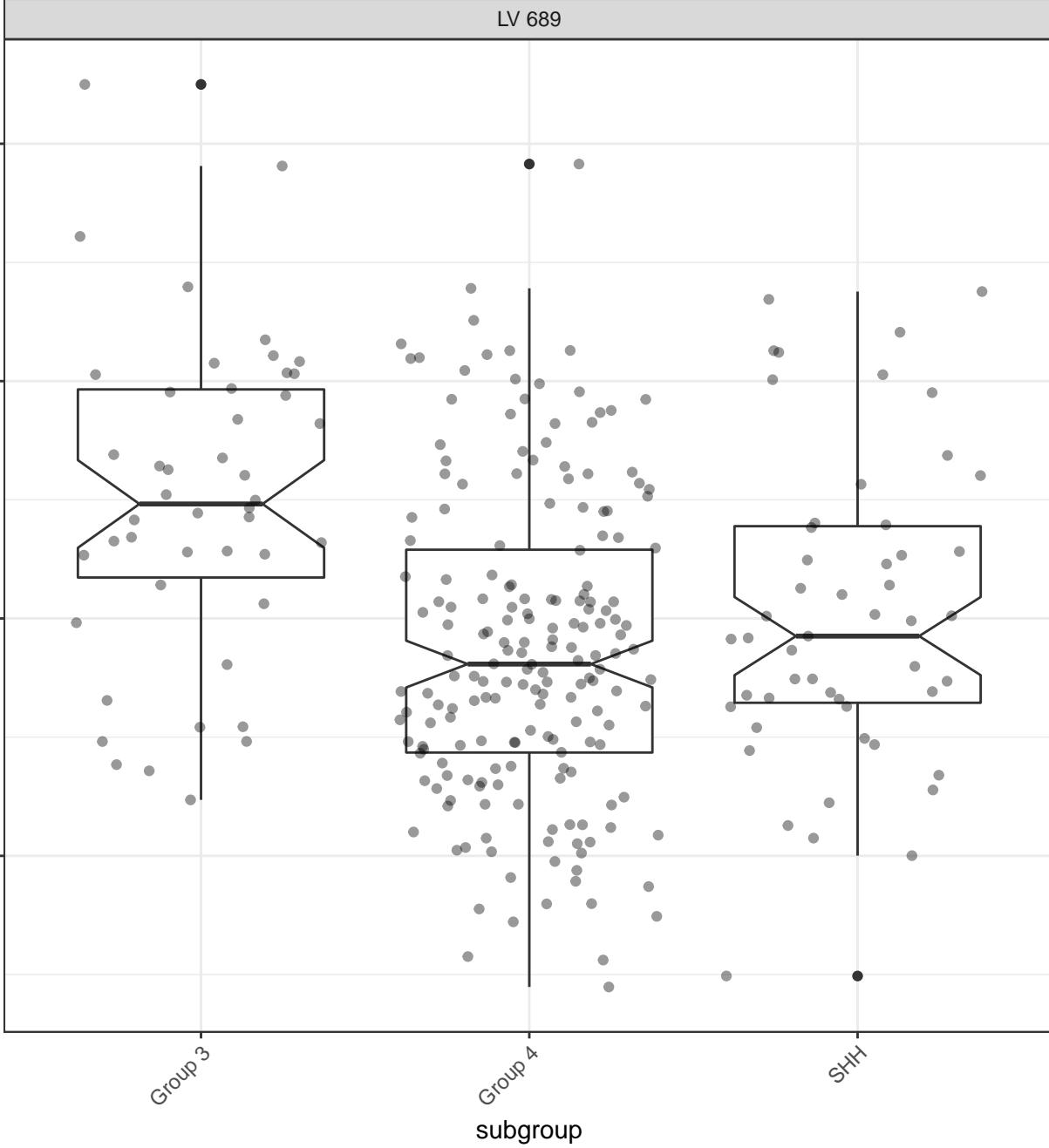
-0.05

Group 3

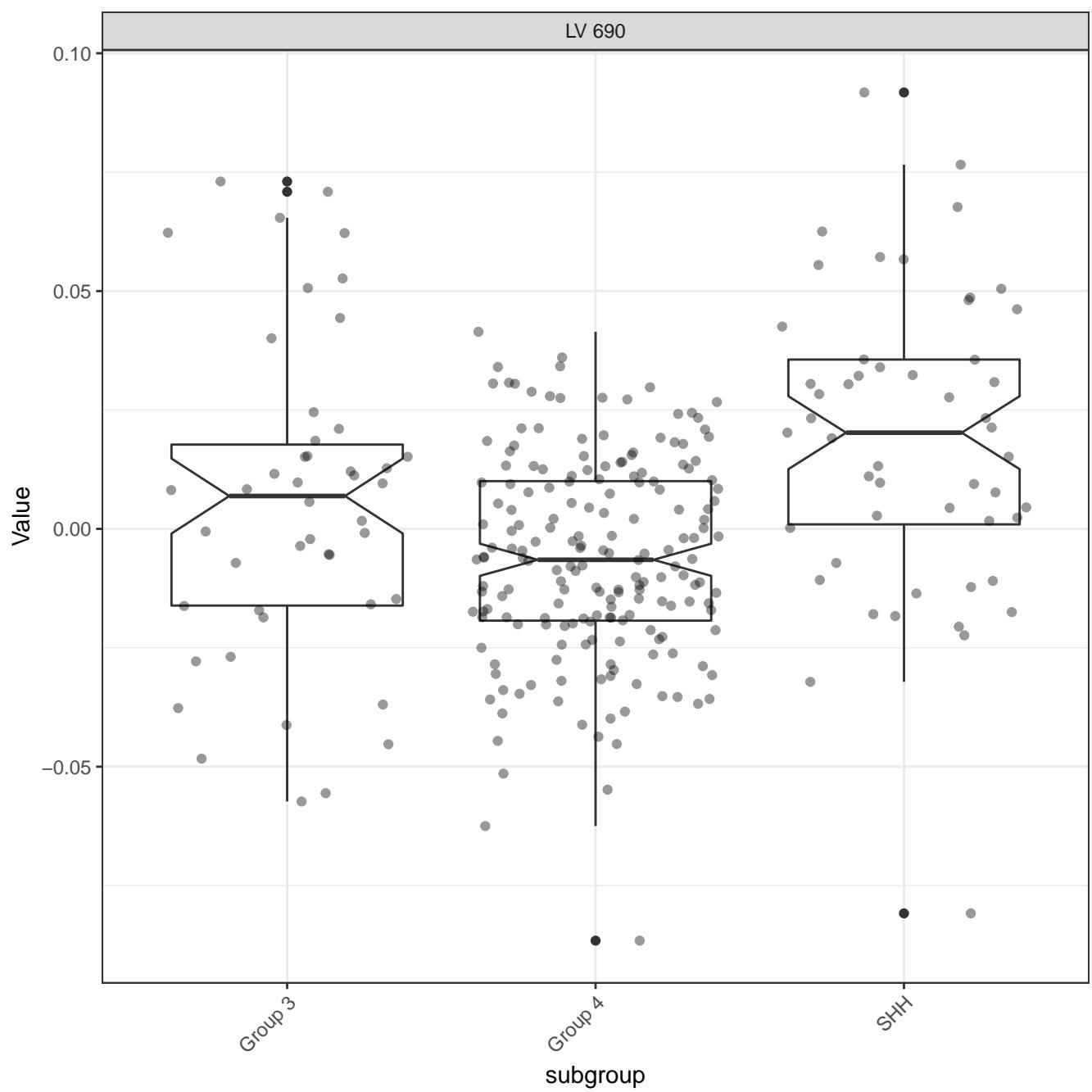
Group 4

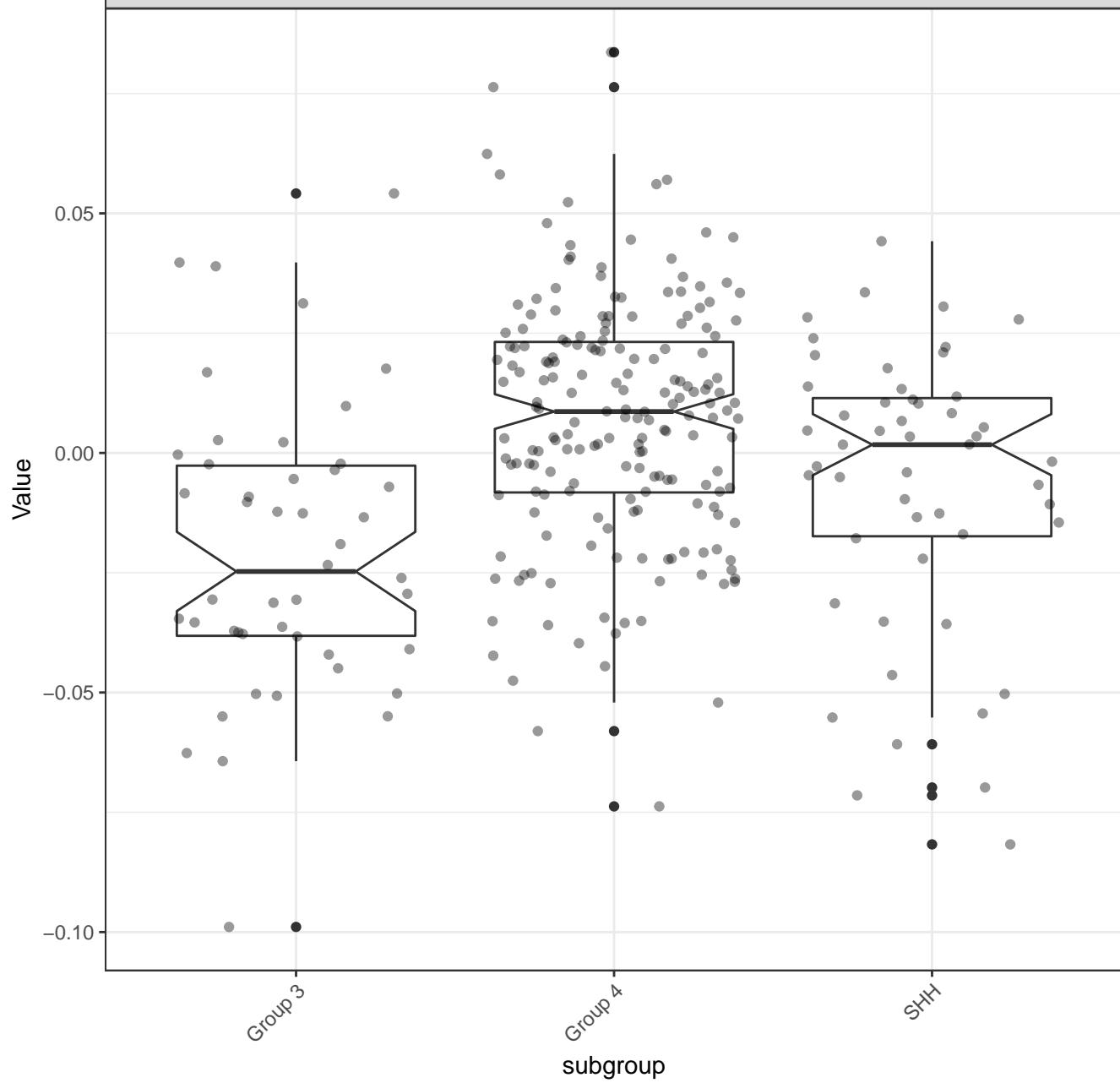
SHH

subgroup

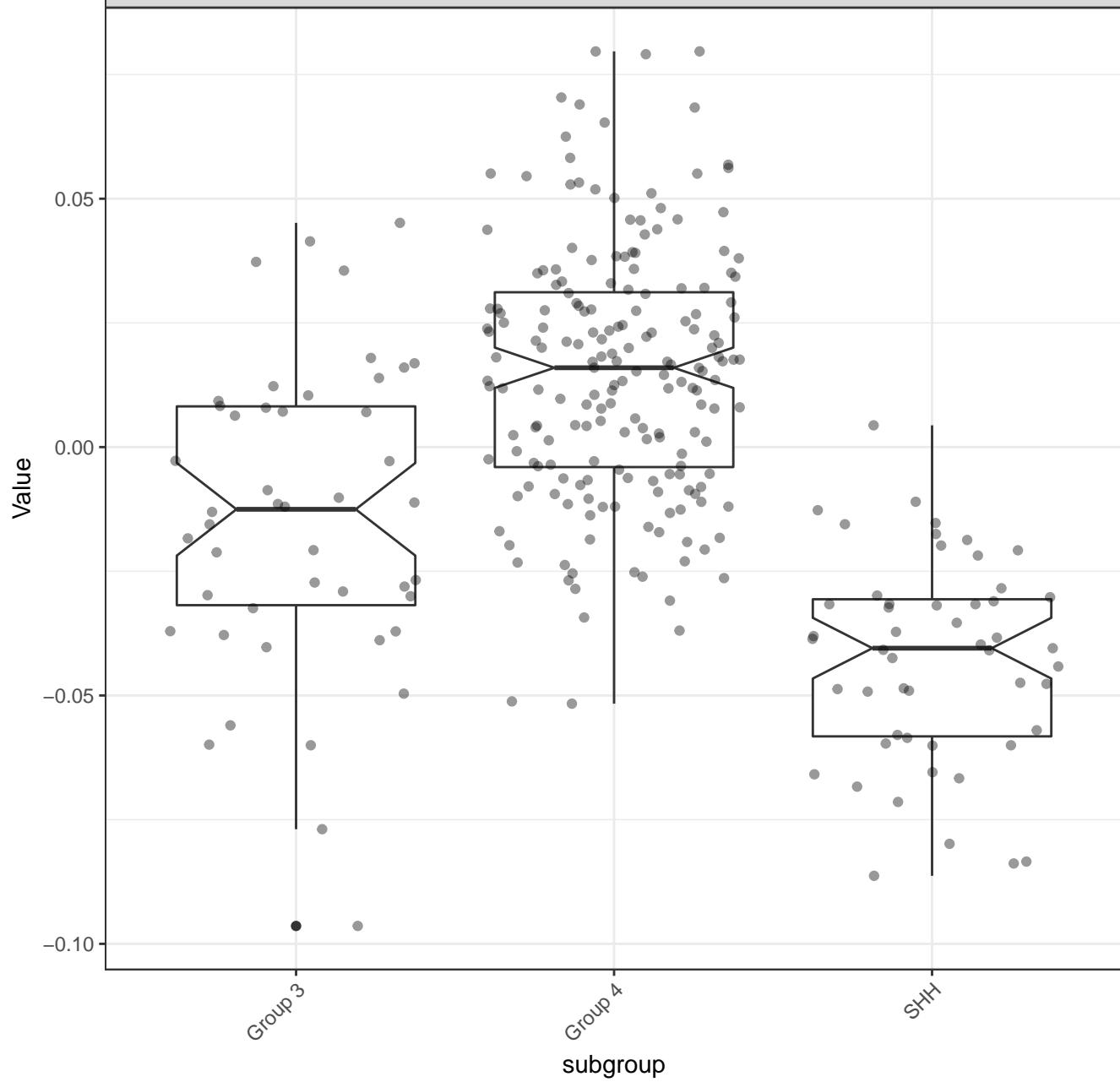


LV 690

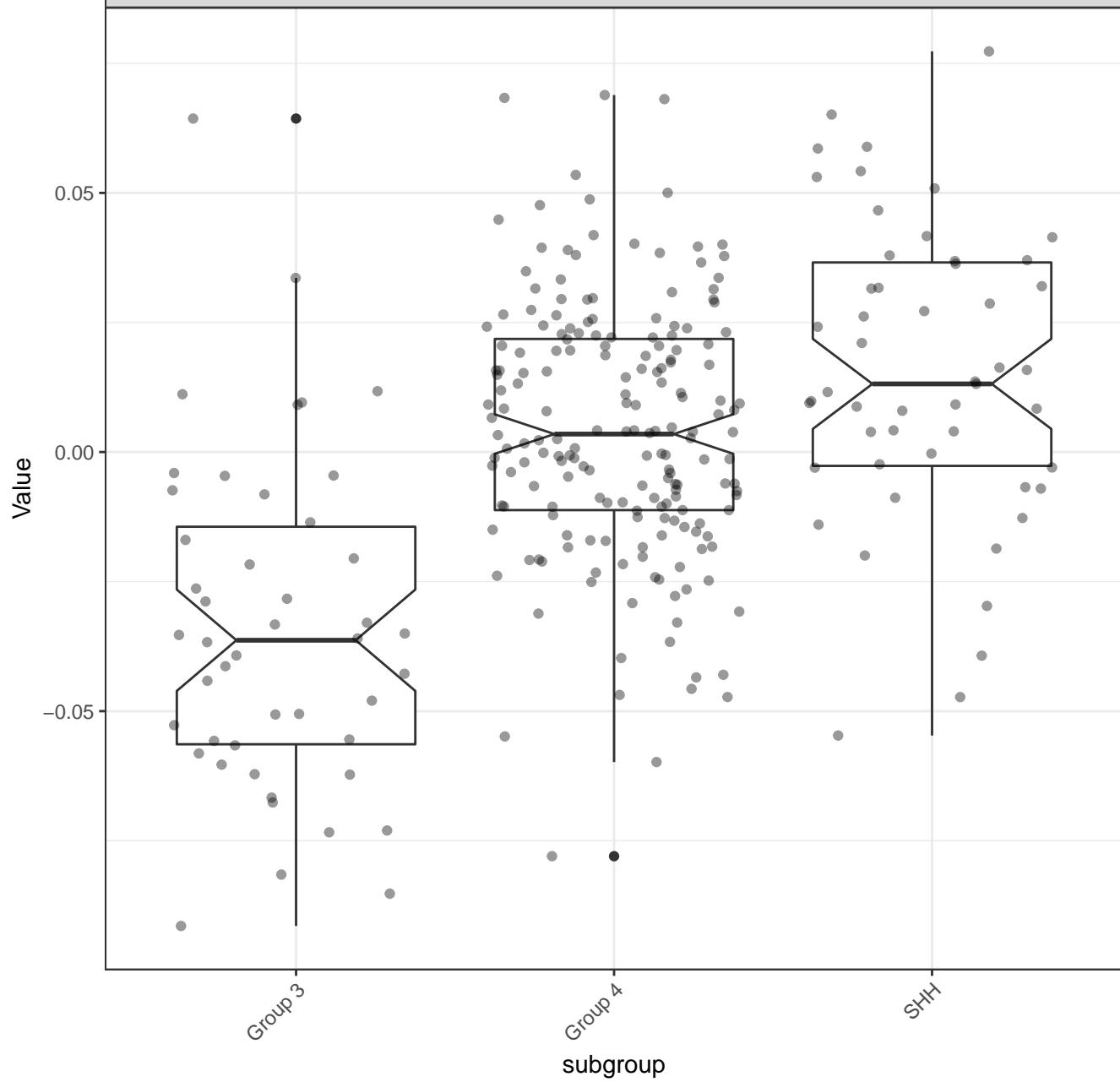




LV 692



LV 693



LV 694

Value

0.05

0.00

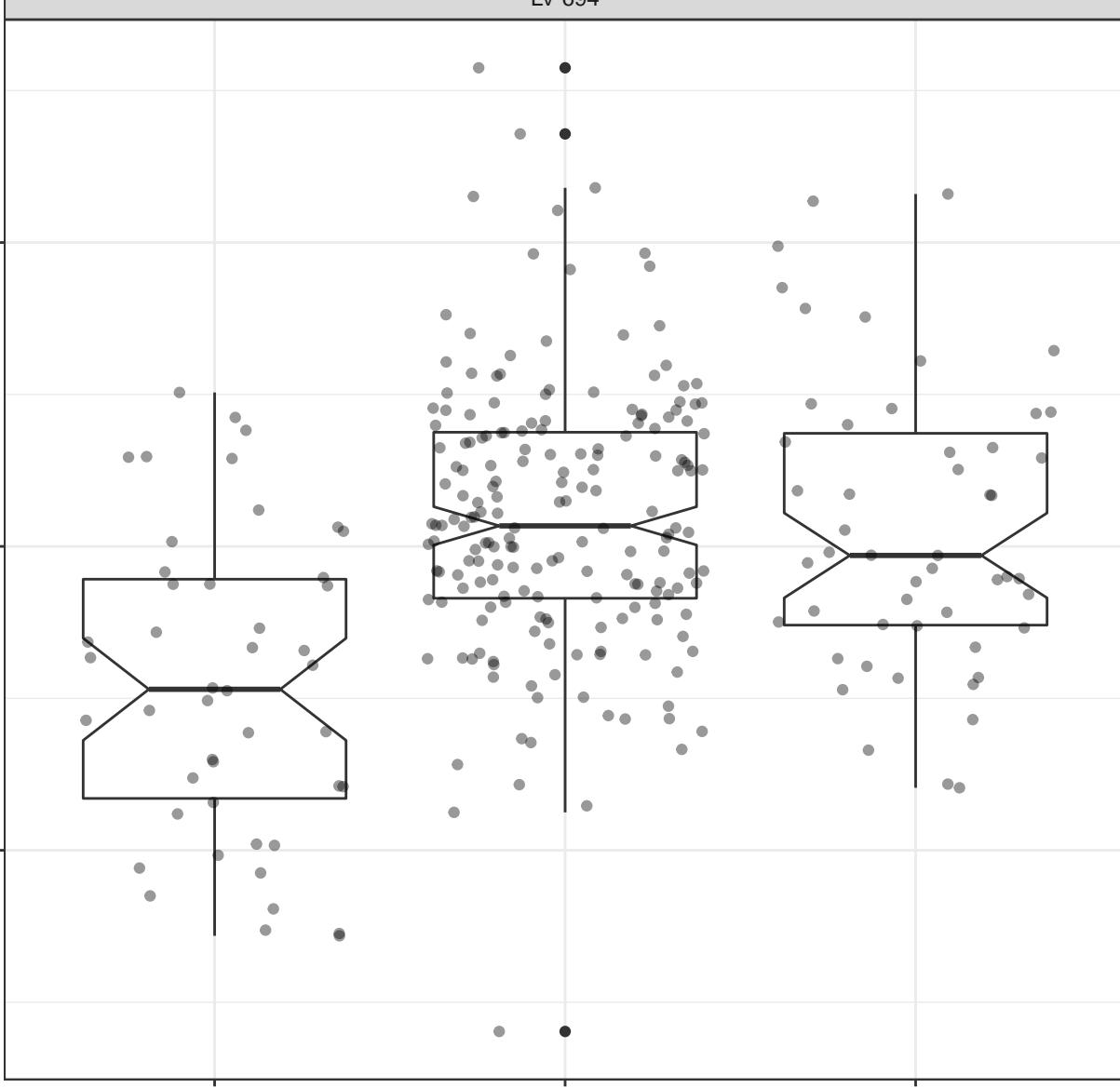
-0.05

Group 3

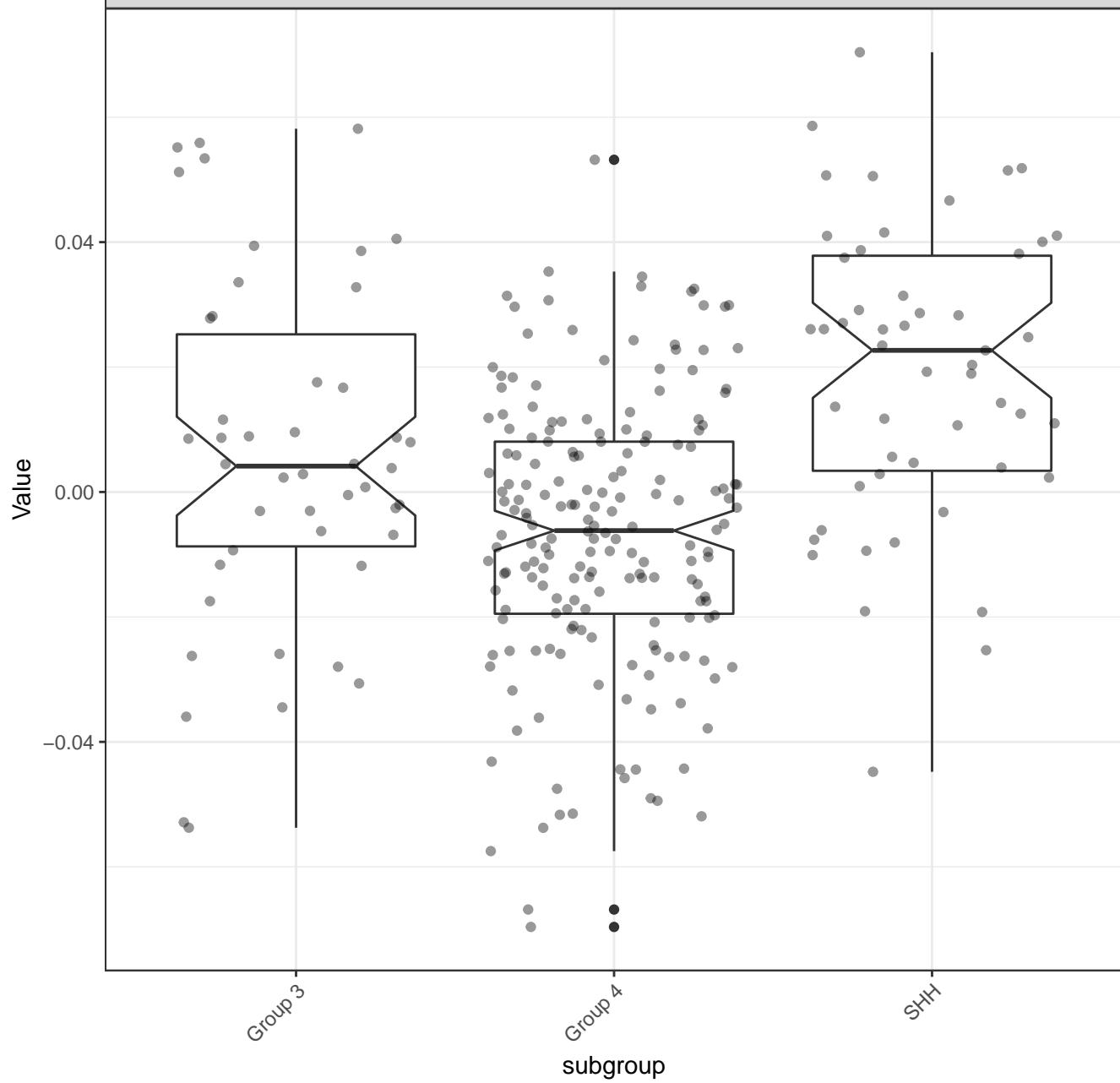
Group 4

SHH

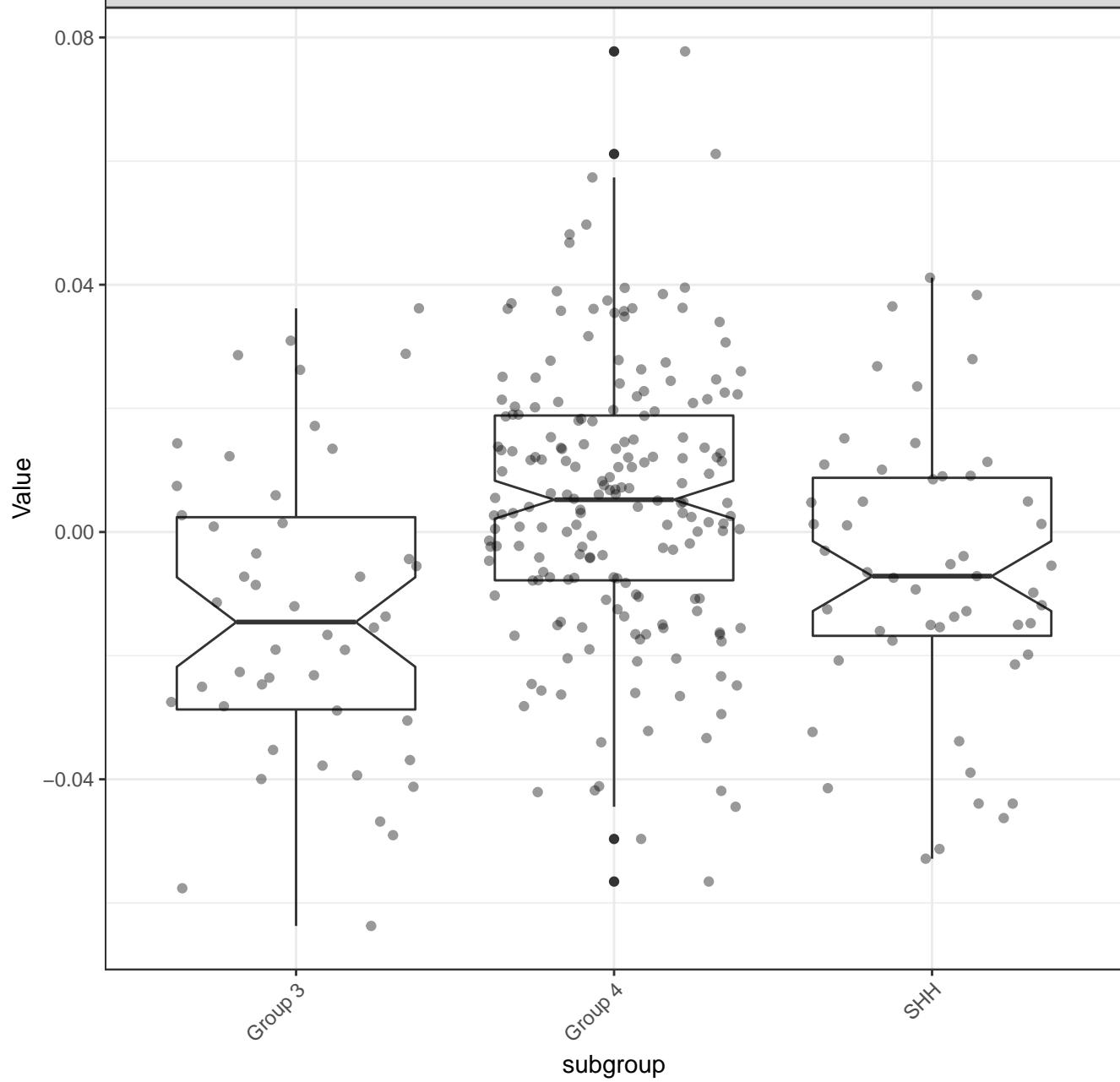
subgroup



LV 695



LV 696



LV 697

Value

0.2

0.1

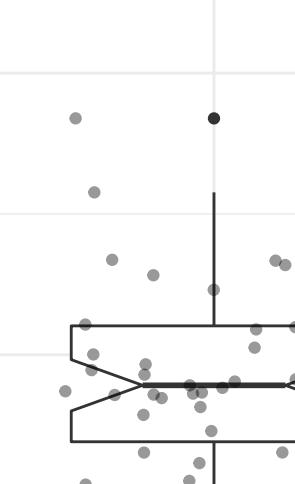
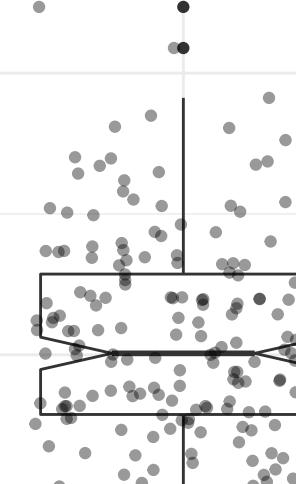
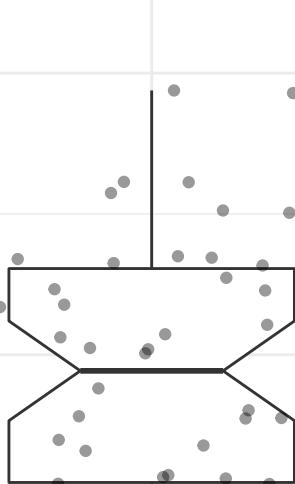
0.0

-0.1

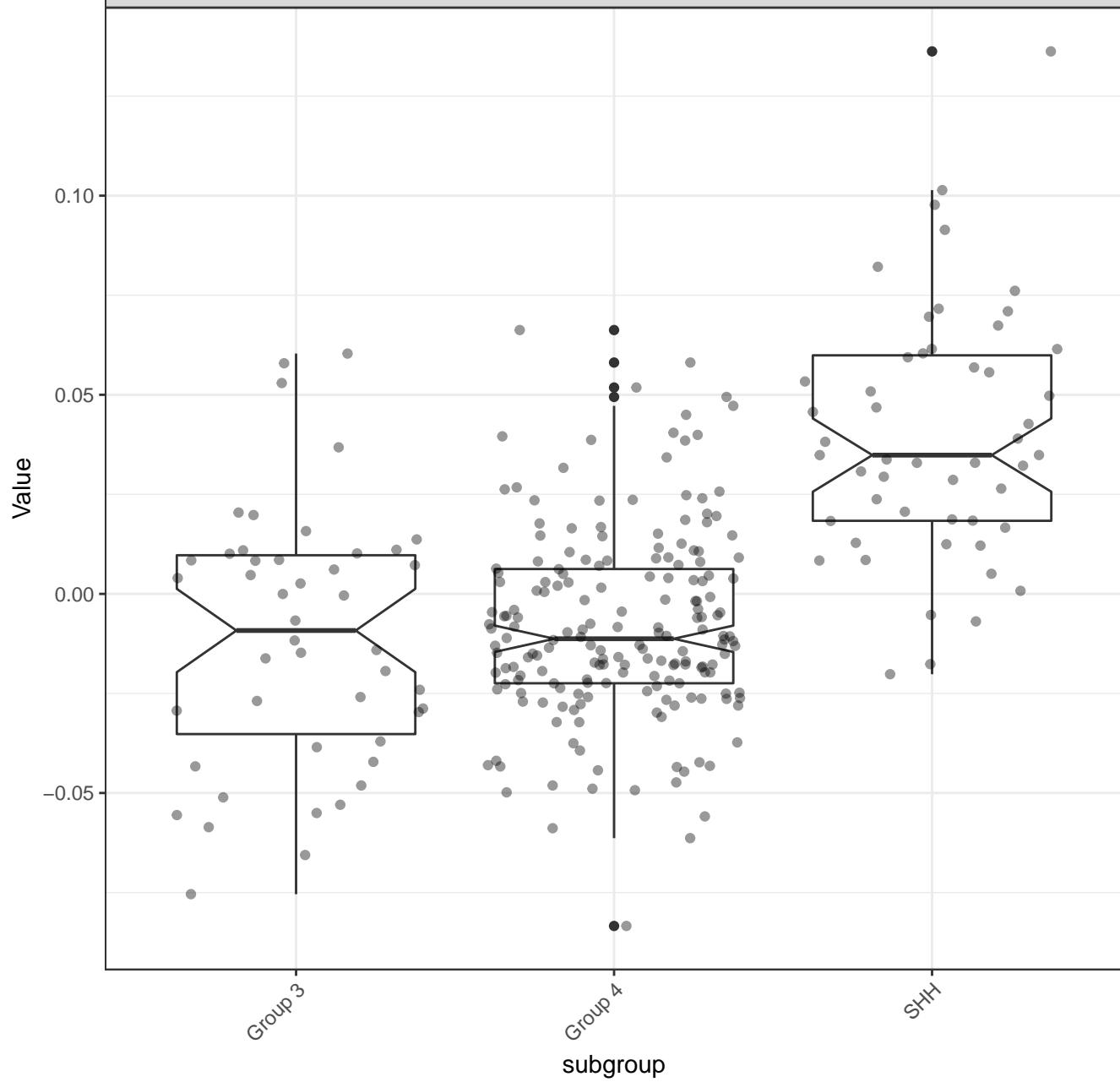
Group³Group⁴

SHH

subgroup



LV 698



LV 699

Value

0.05

0.00

-0.05

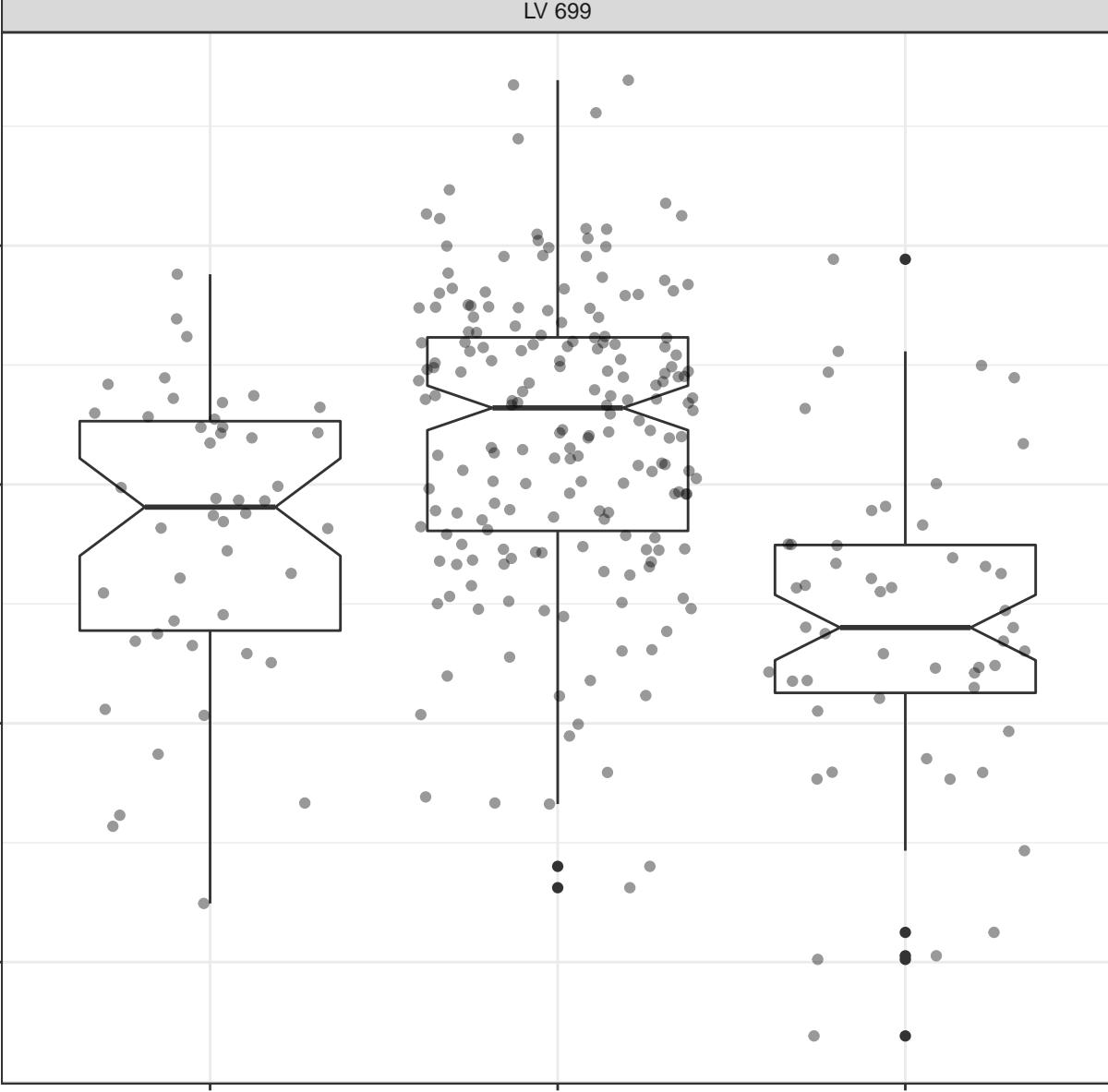
-0.10

Group 3

subgroup

Group 4

SHH



LV 700

Value

0.05

0.01

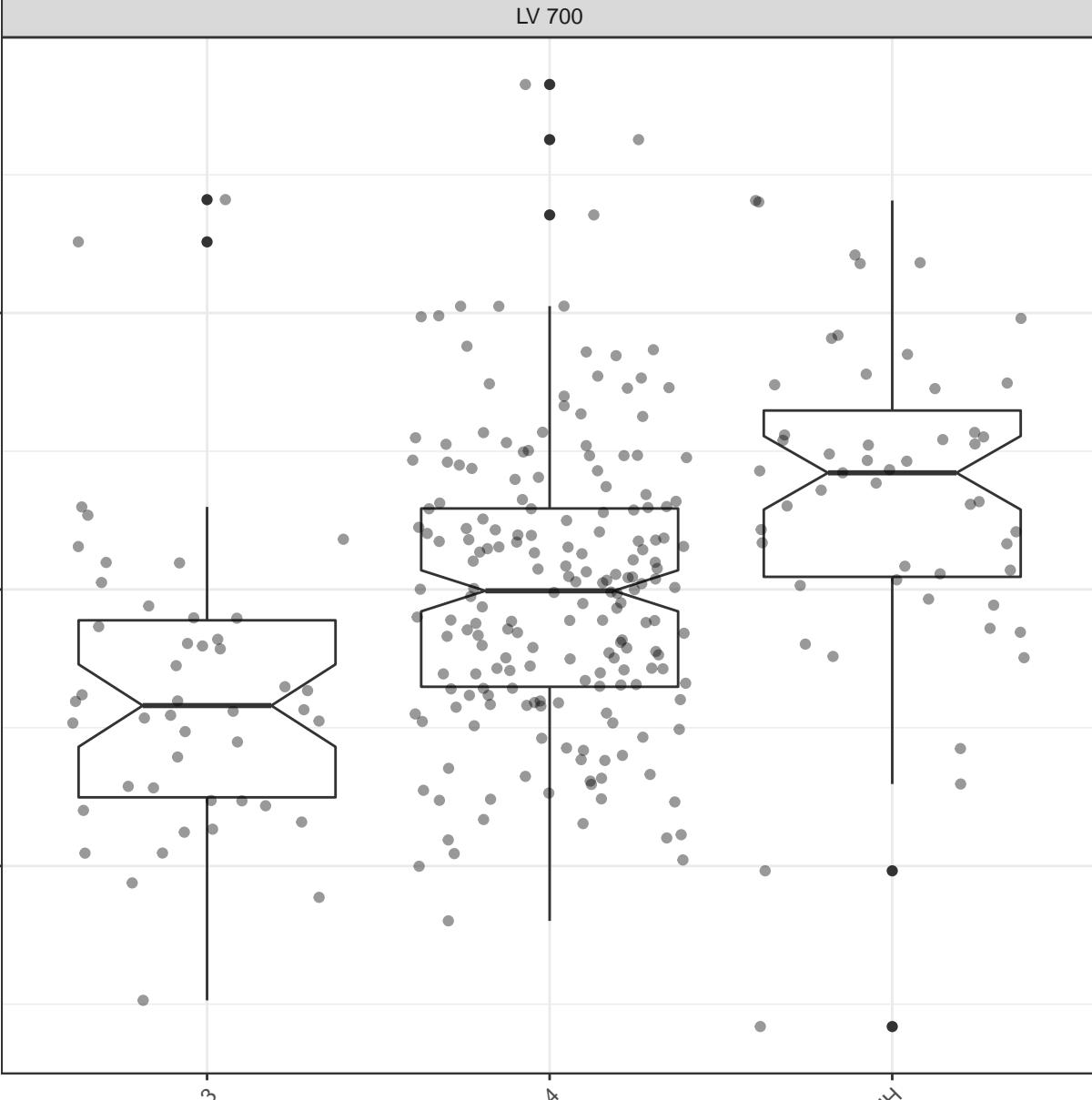
-0.05

Group 3

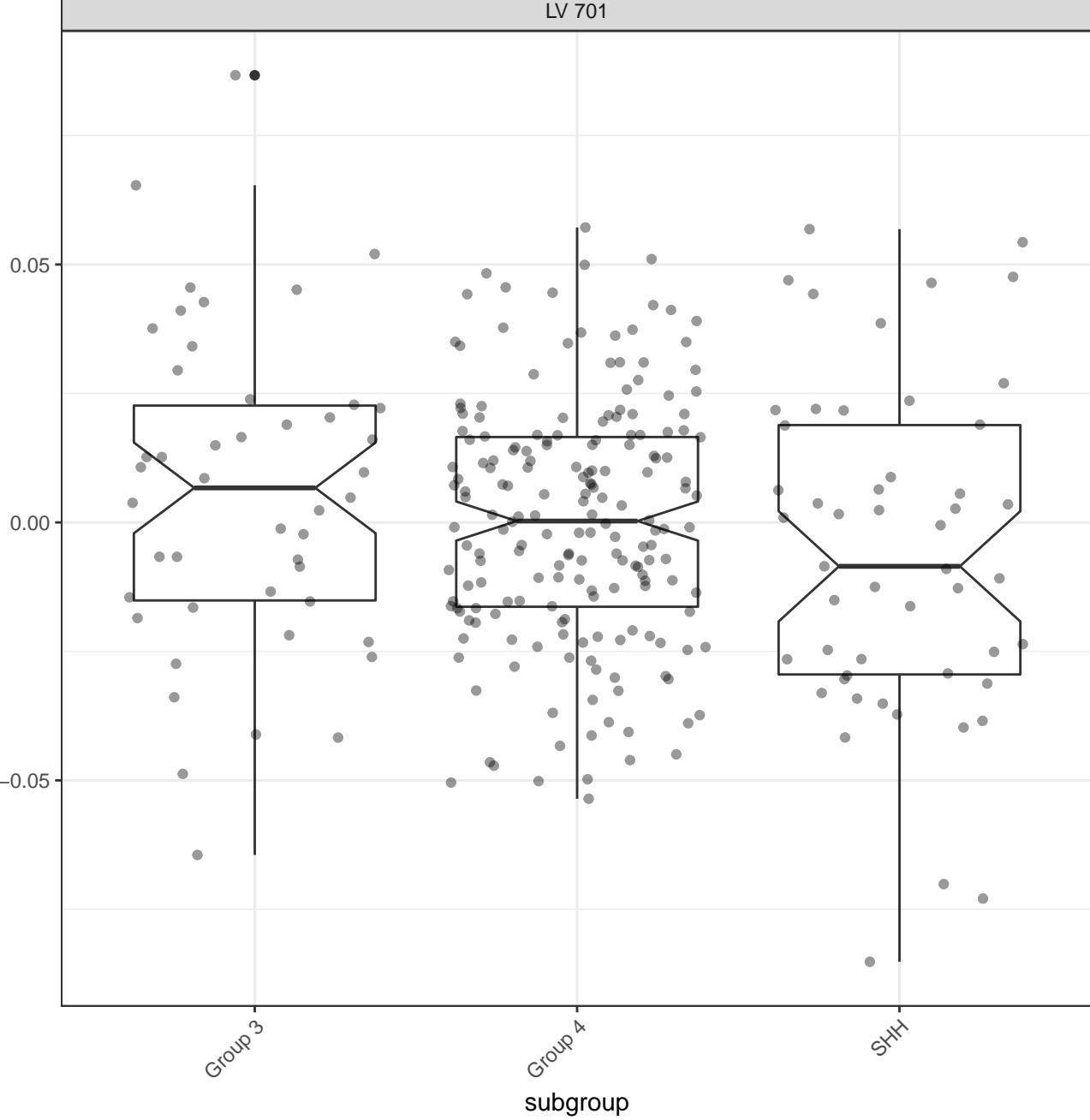
Group 4

SHH

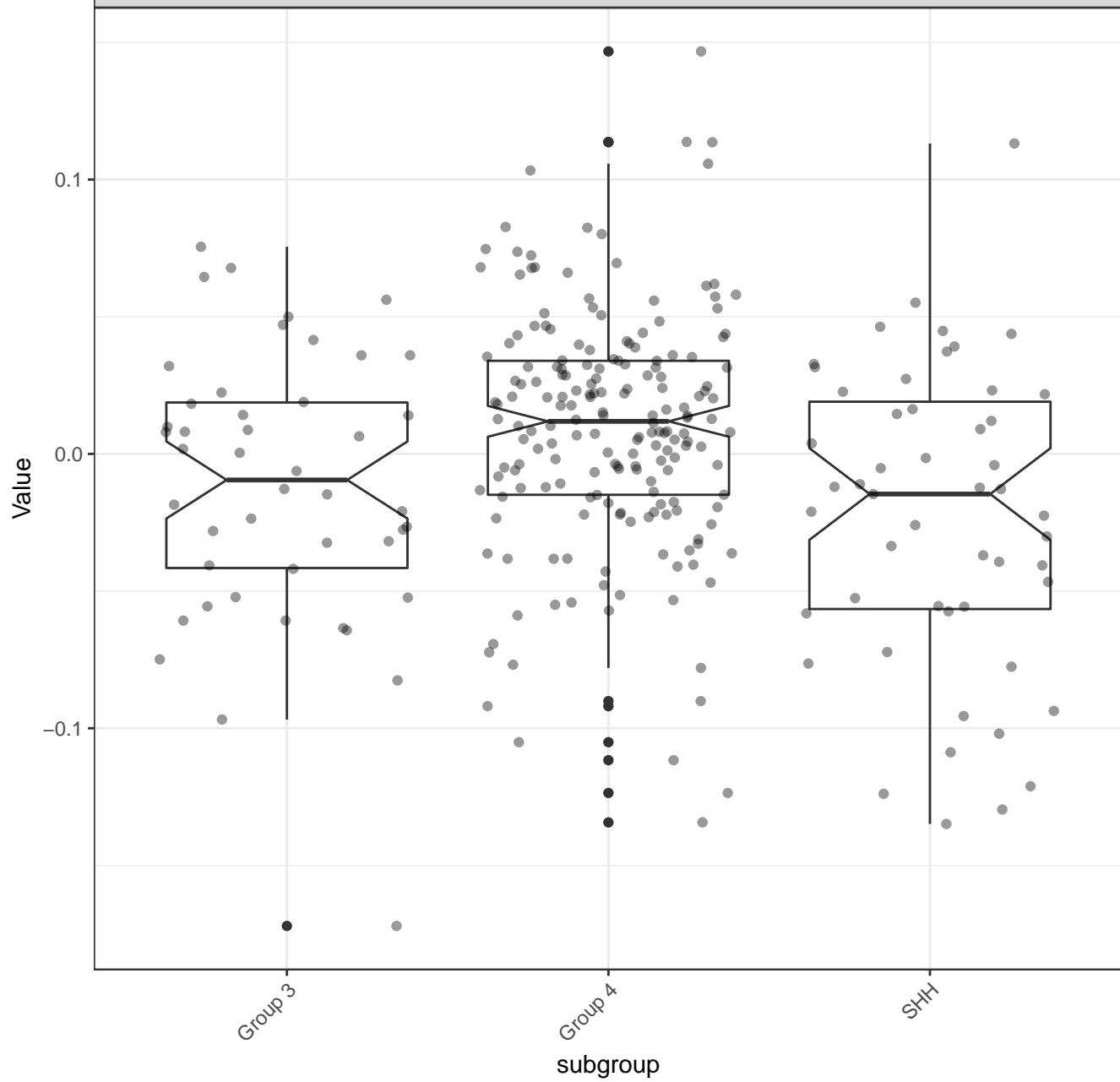
subgroup



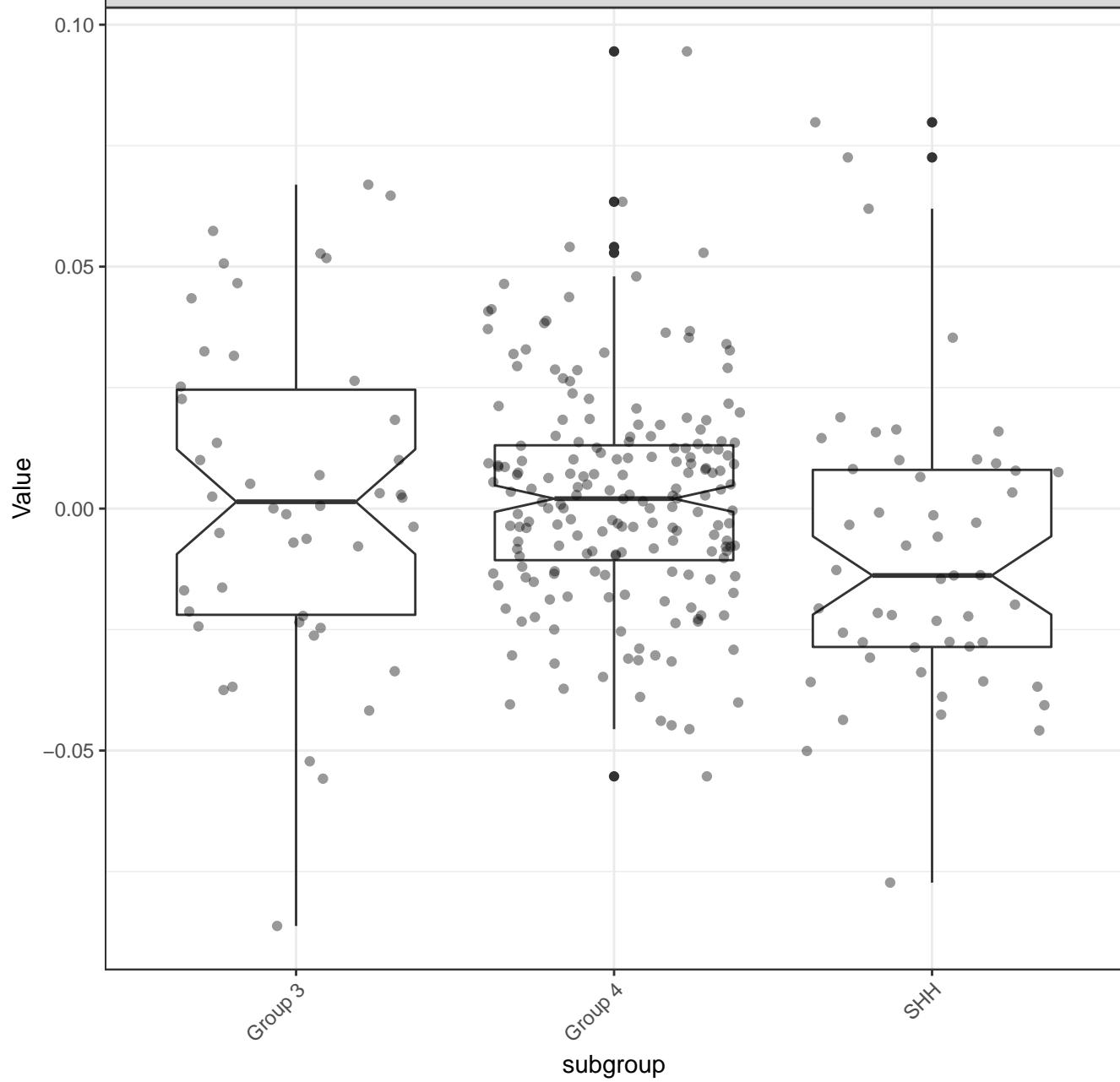
Value



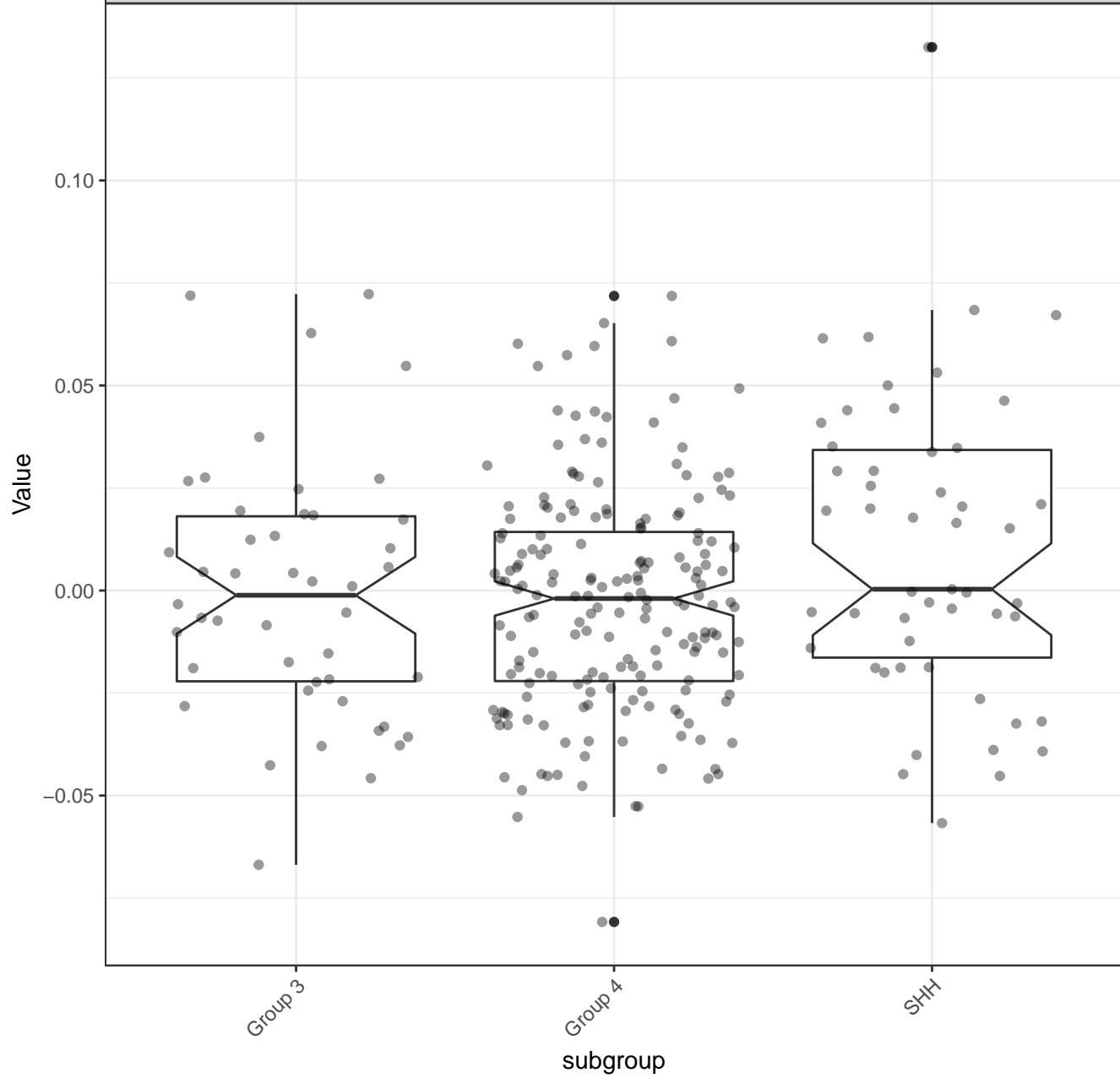
LV 702



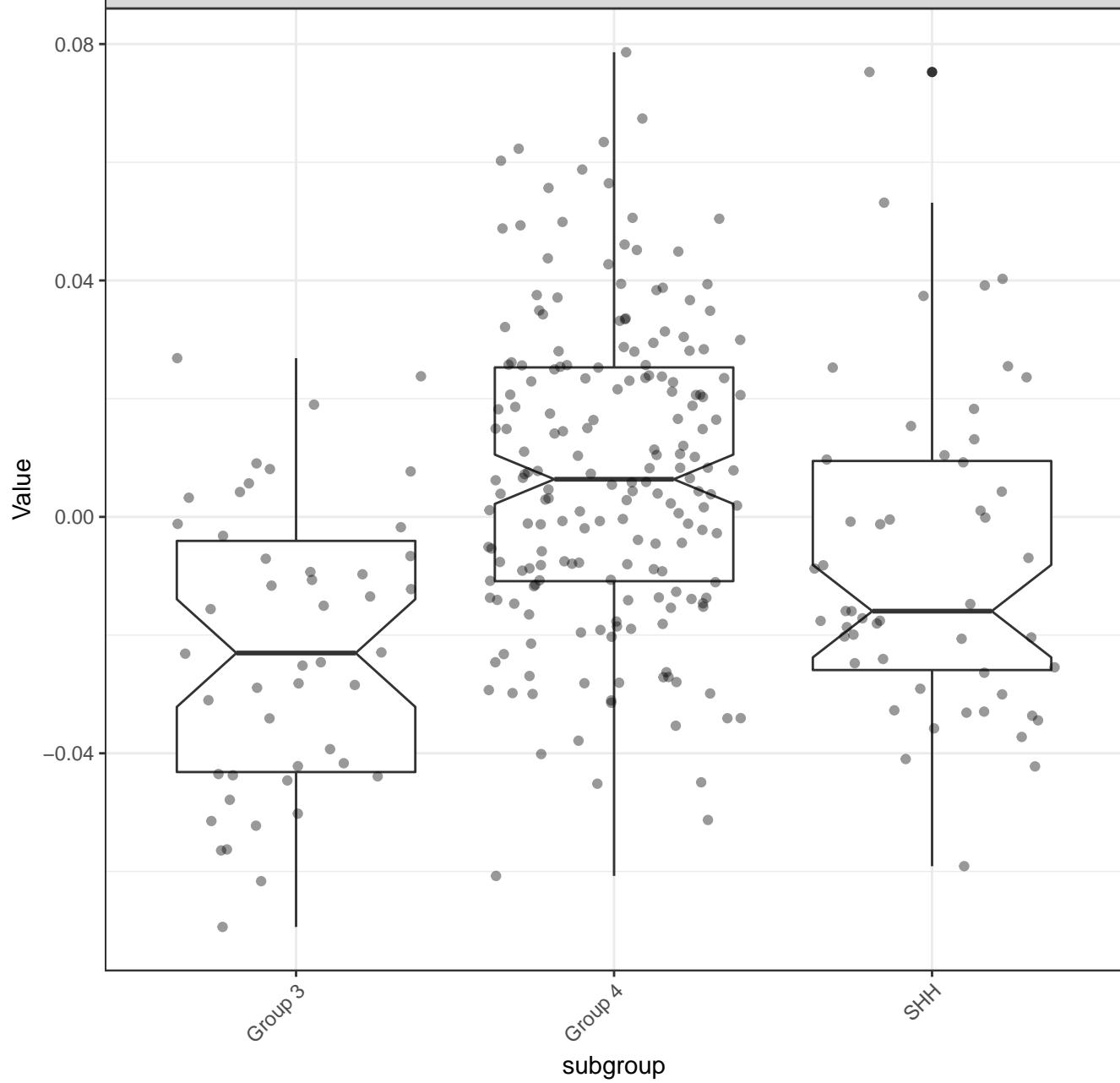
LV 703



LV 704



705,SVM NK cells activated



LV 706

Value

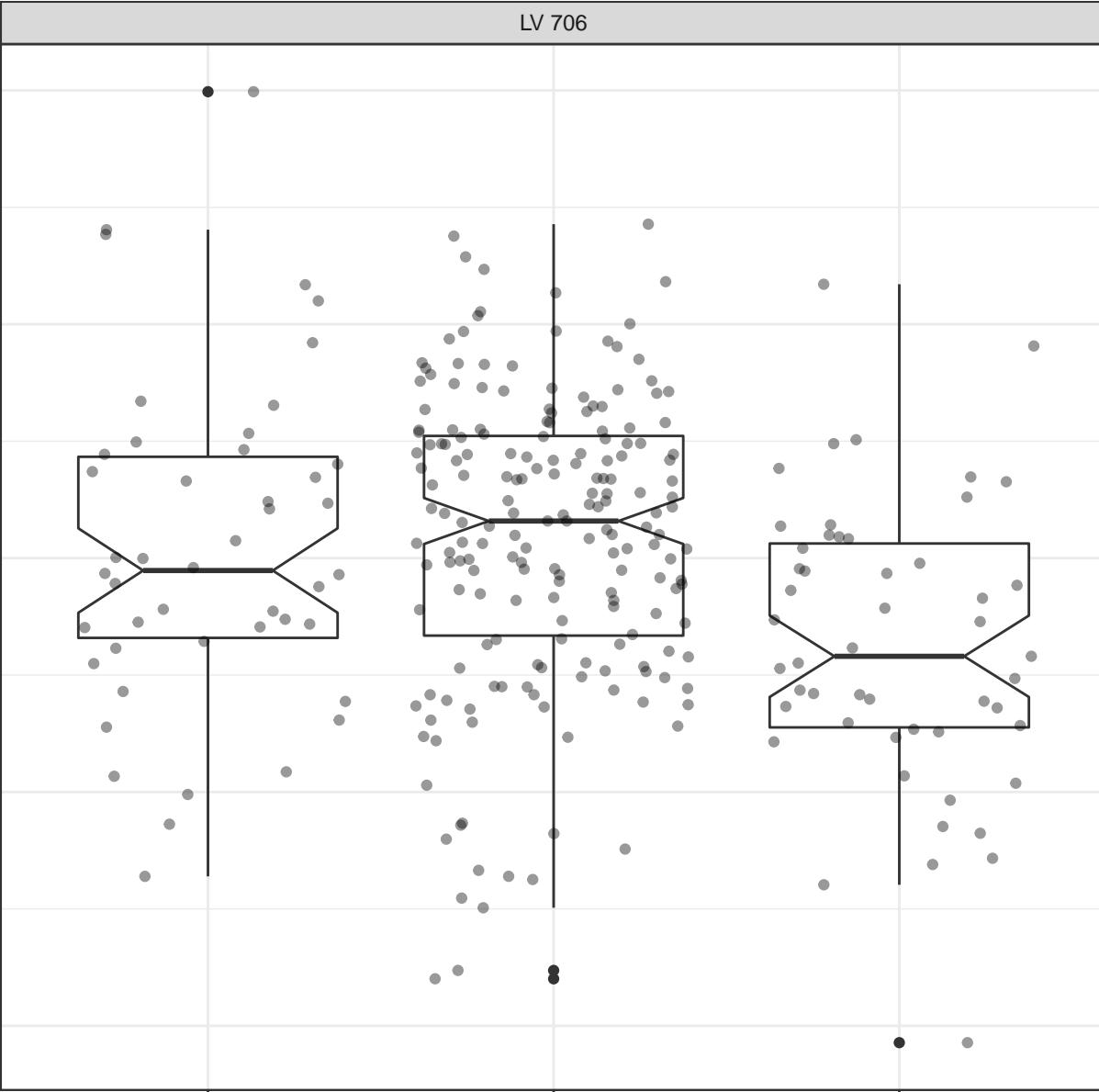
0.10
0.05
0.00
-0.05
-0.10

Group 3

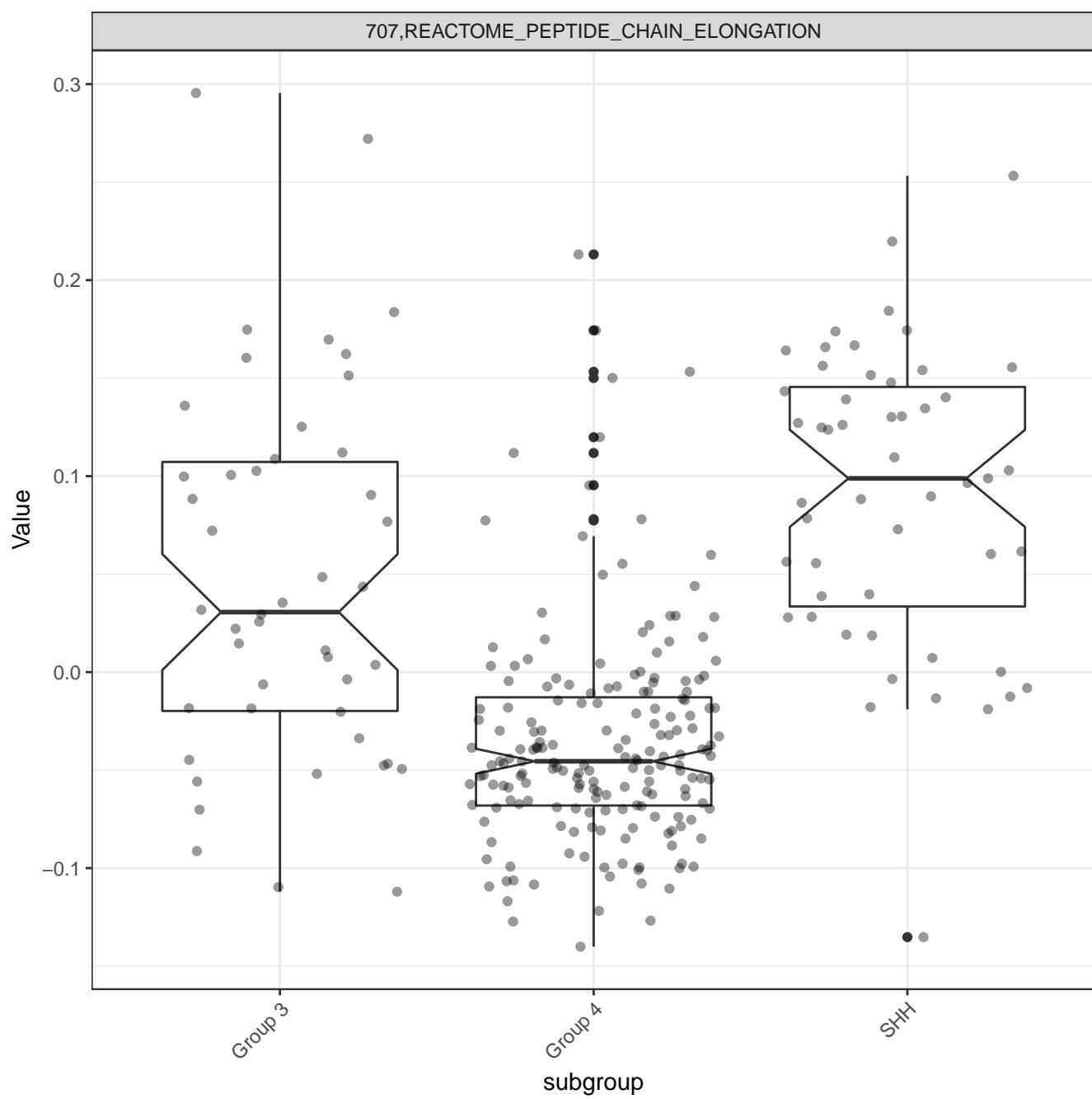
subgroup

Group 4

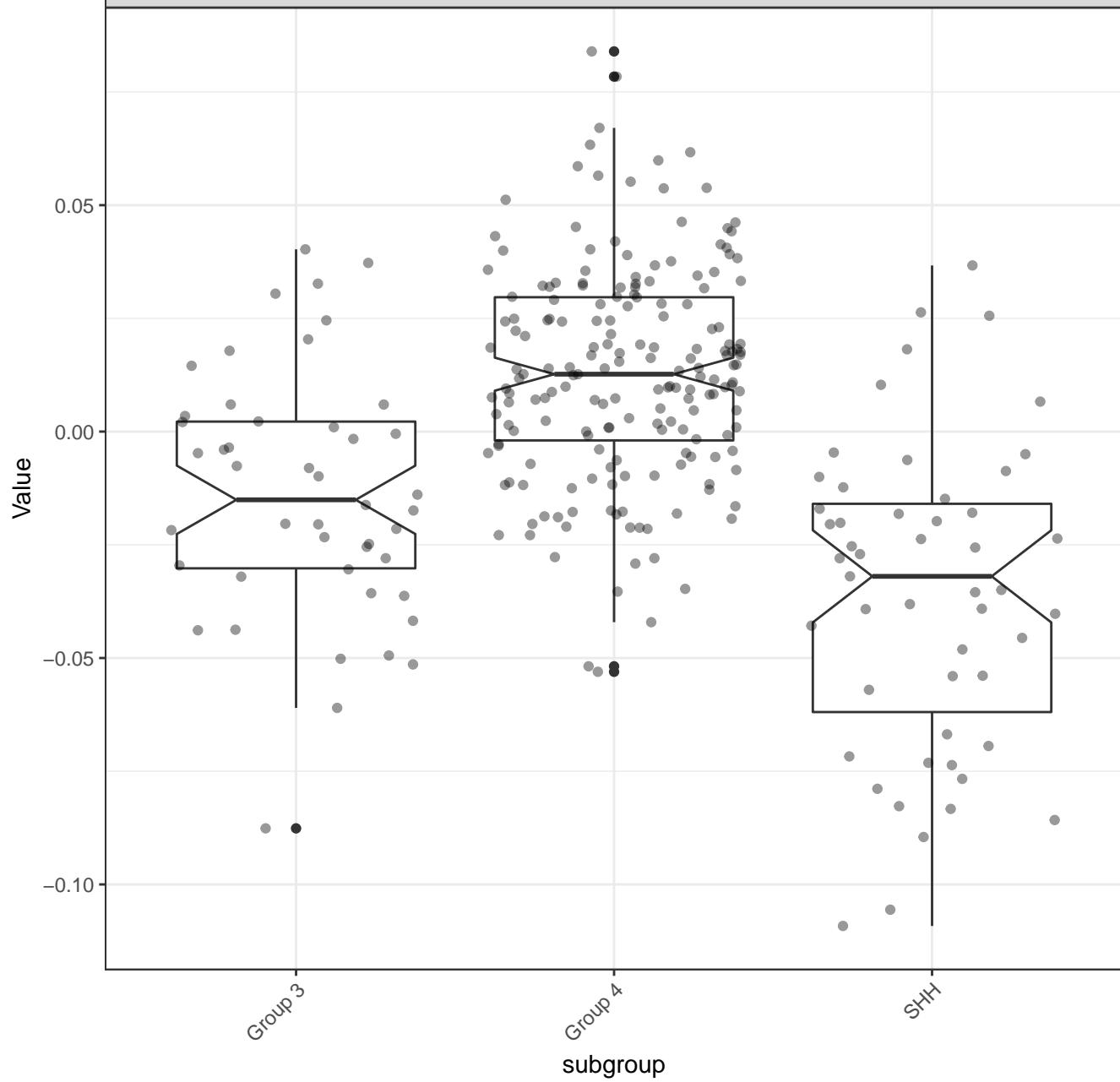
SHH



707,REACTOME_PEPTIDE_CHAIN_ELONGATION



LV 708



LV 709

Value

0.10

0.05

0.00

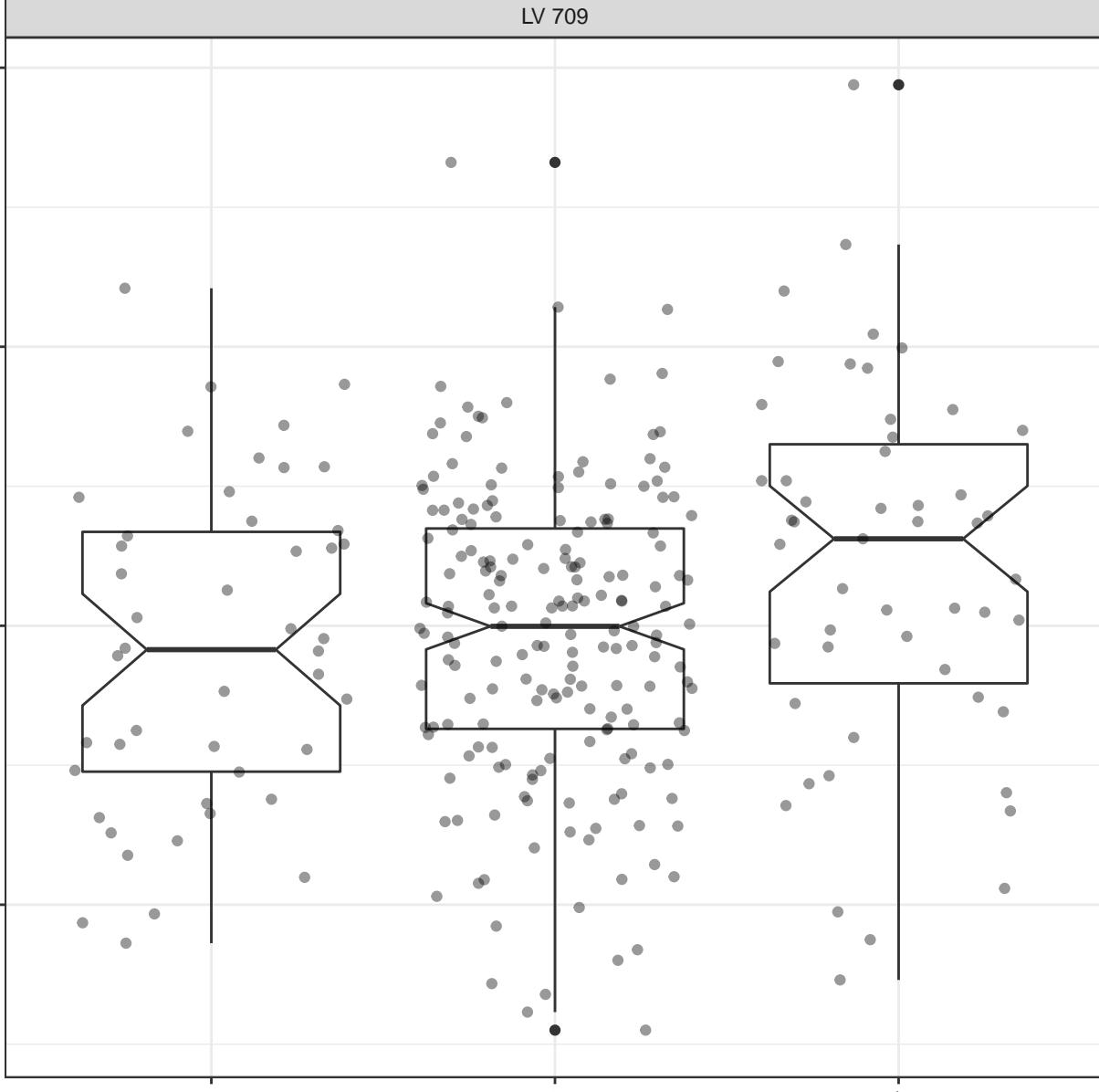
-0.05

Group 3

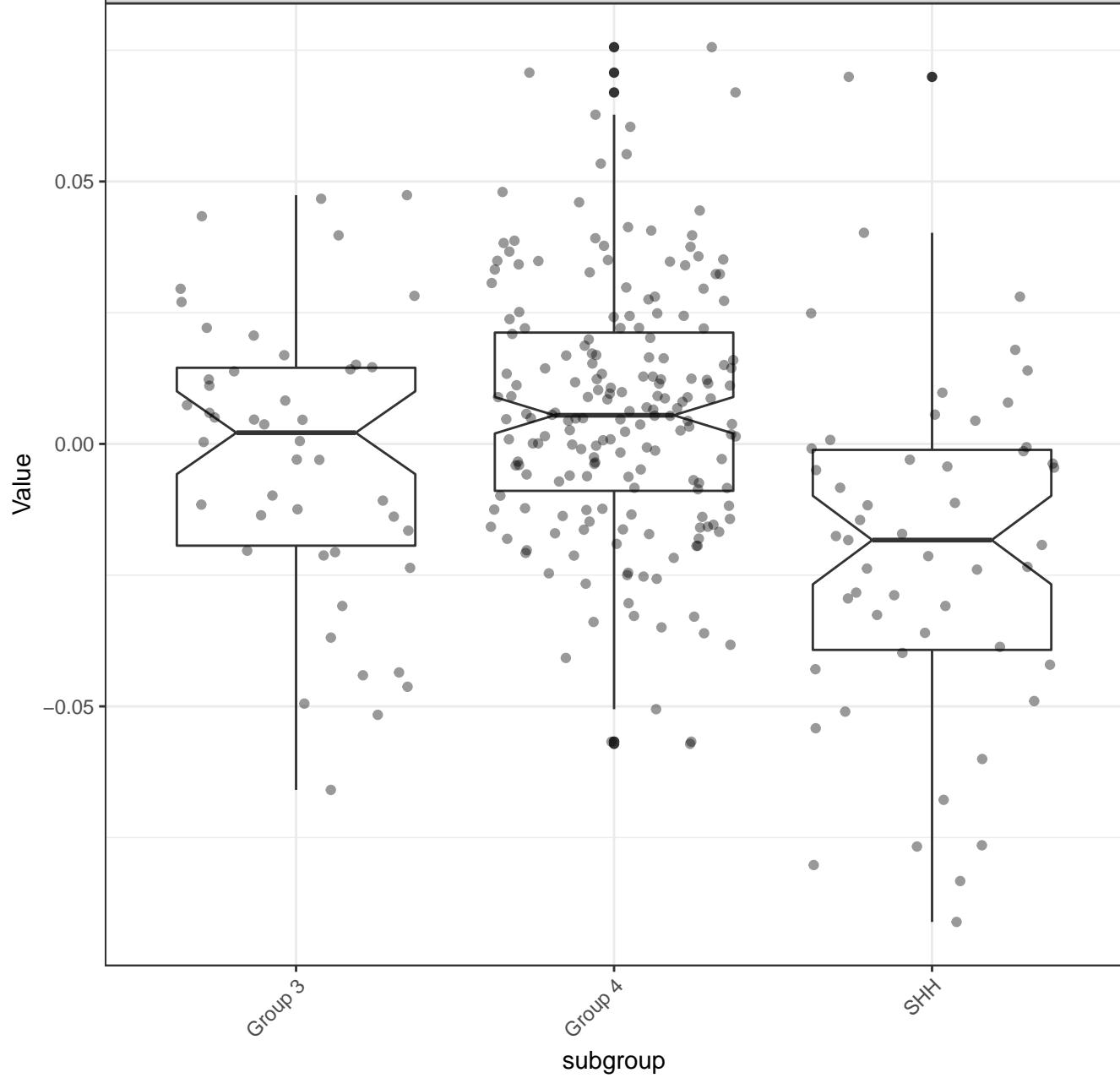
subgroup

Group 4

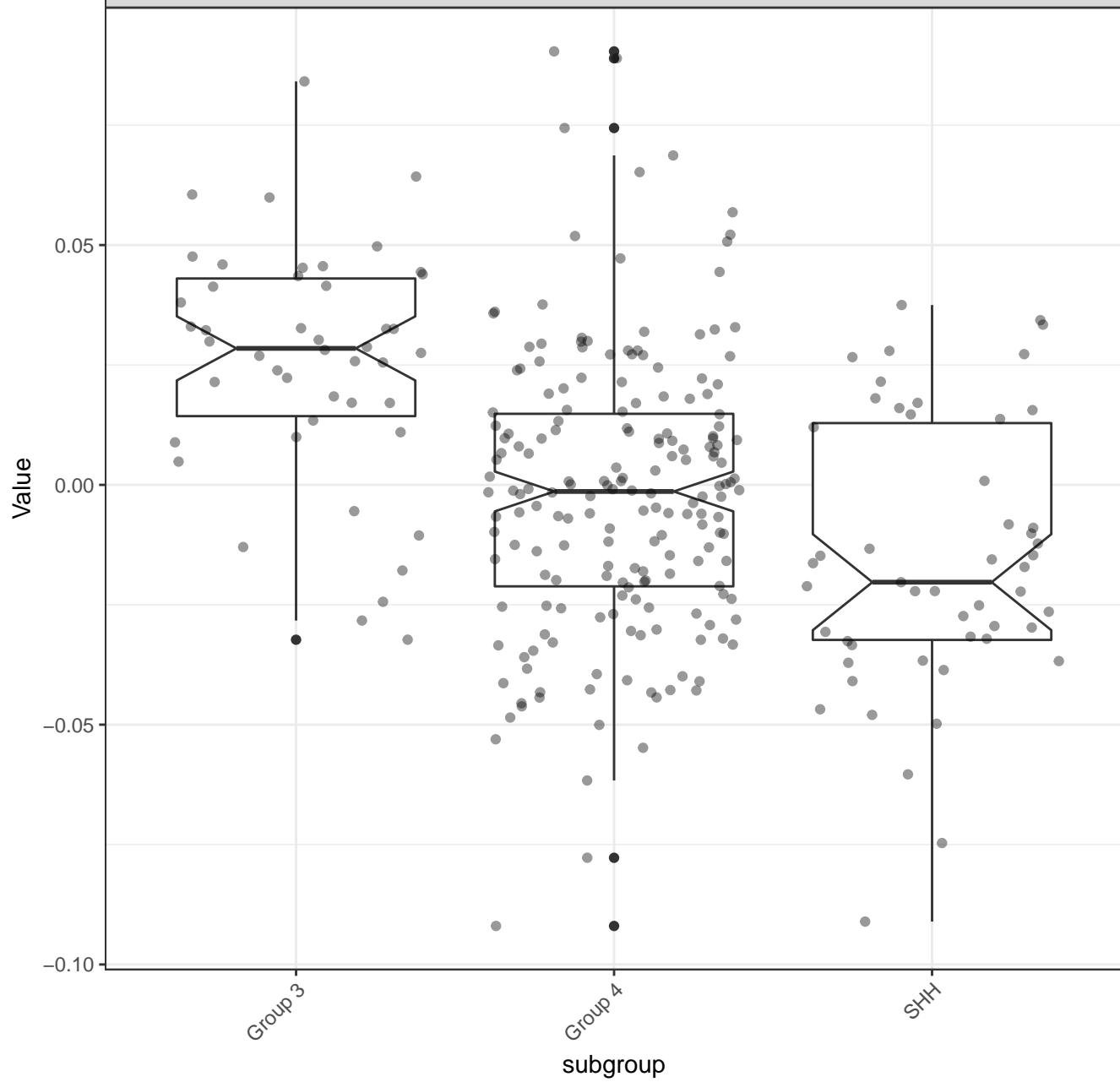
SHH

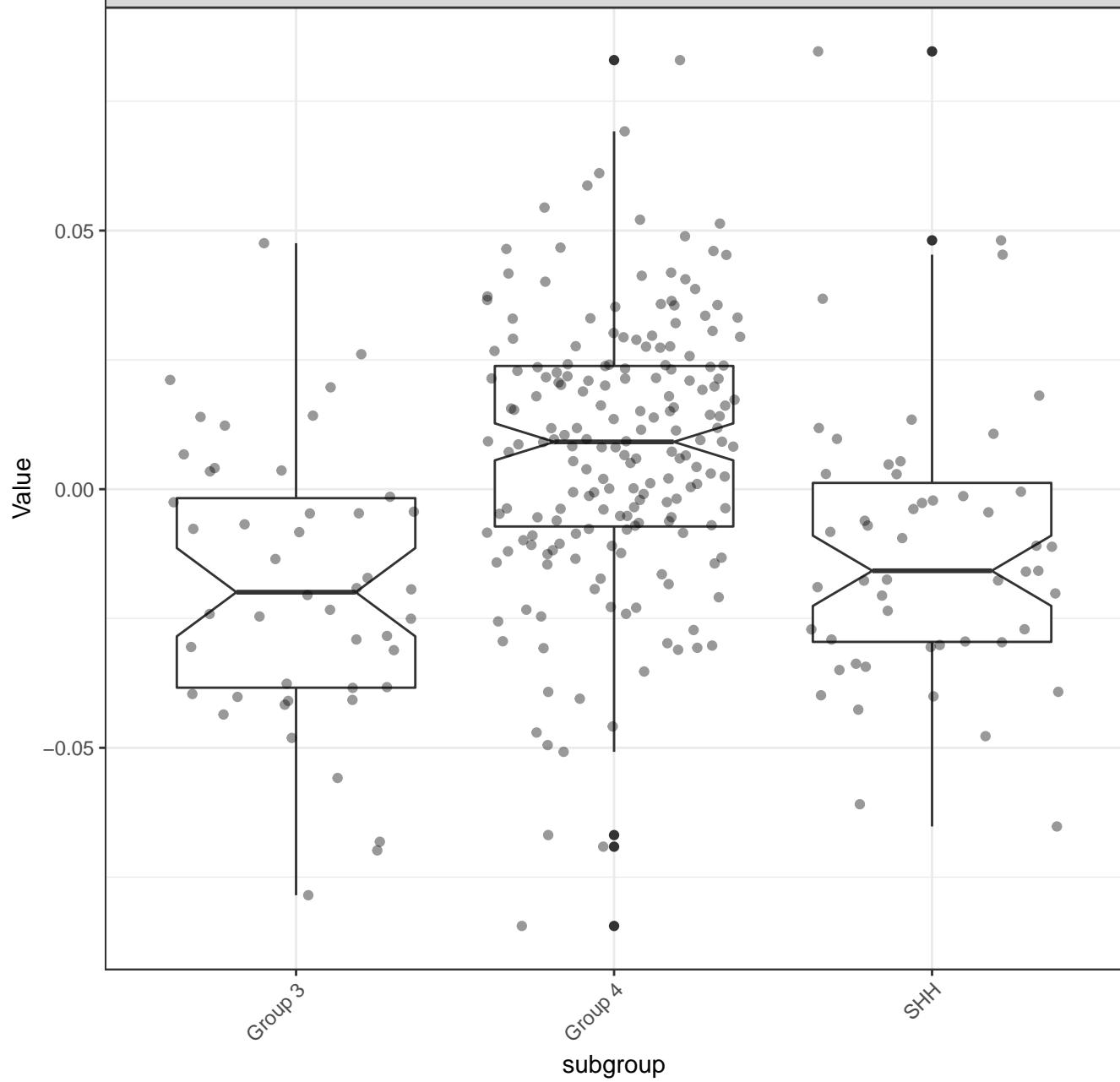


LV 710

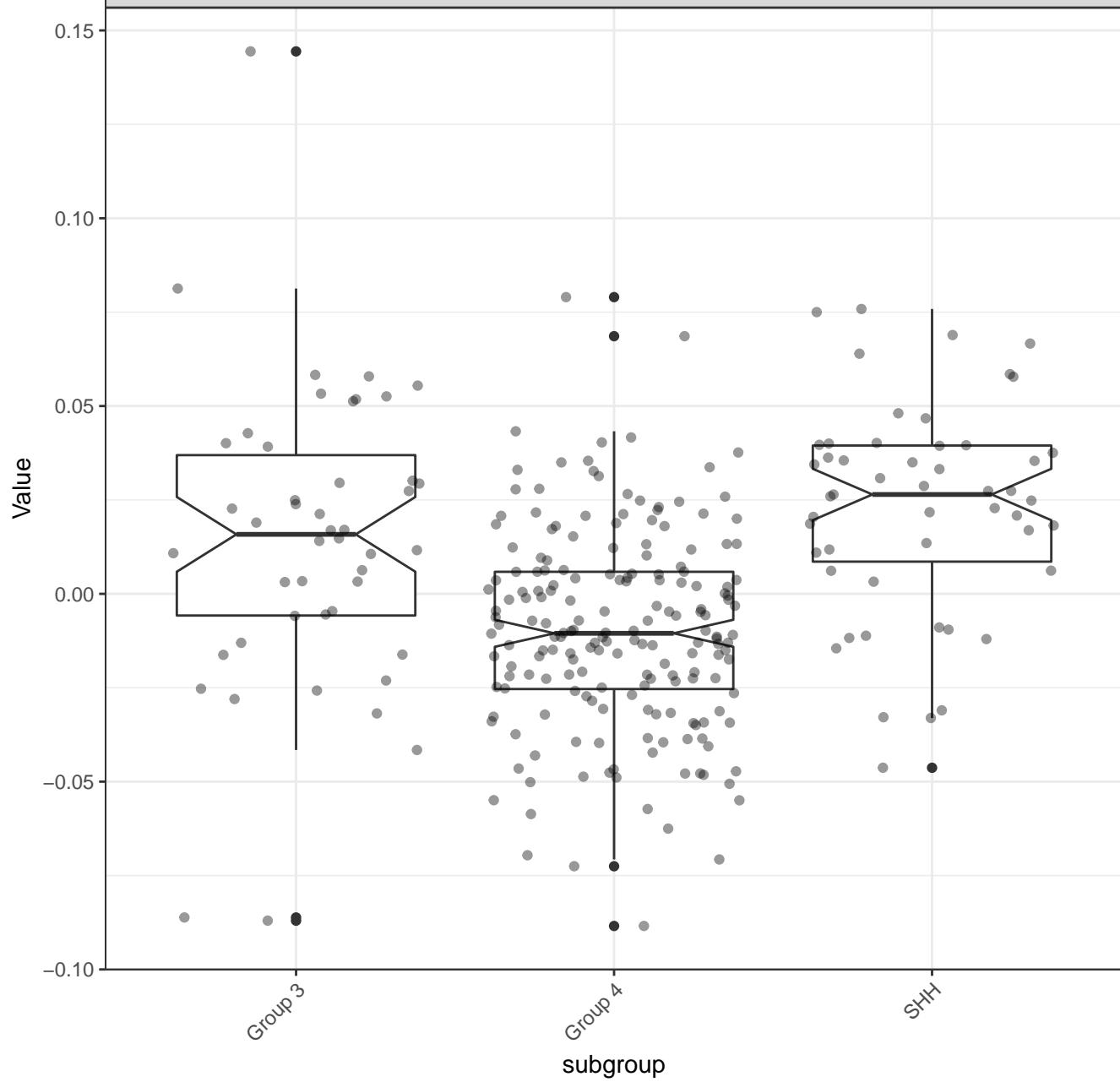


LV 711





LV 713



LV 714

Value

0.05

0.00

-0.05

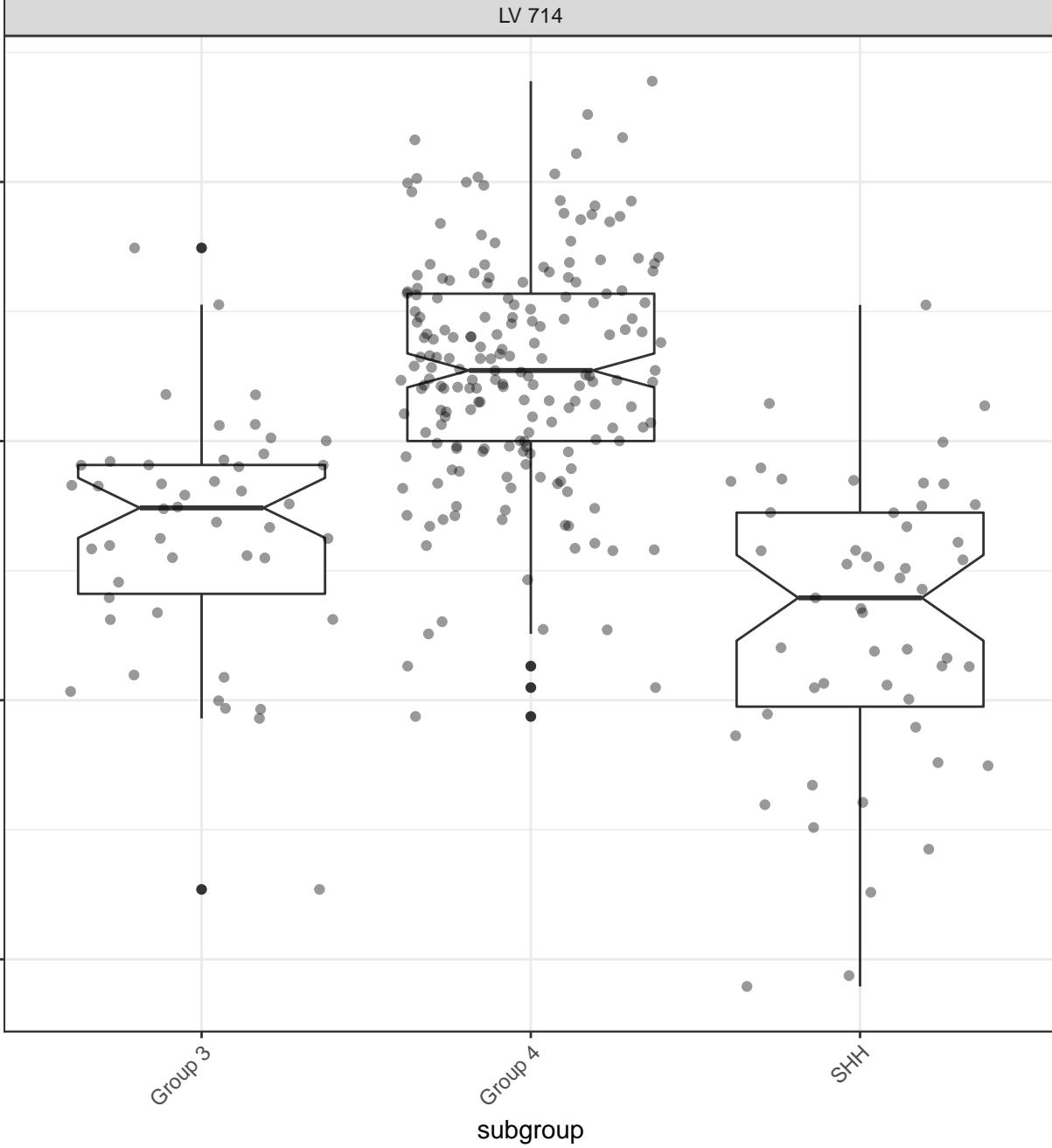
-0.10

Group 3

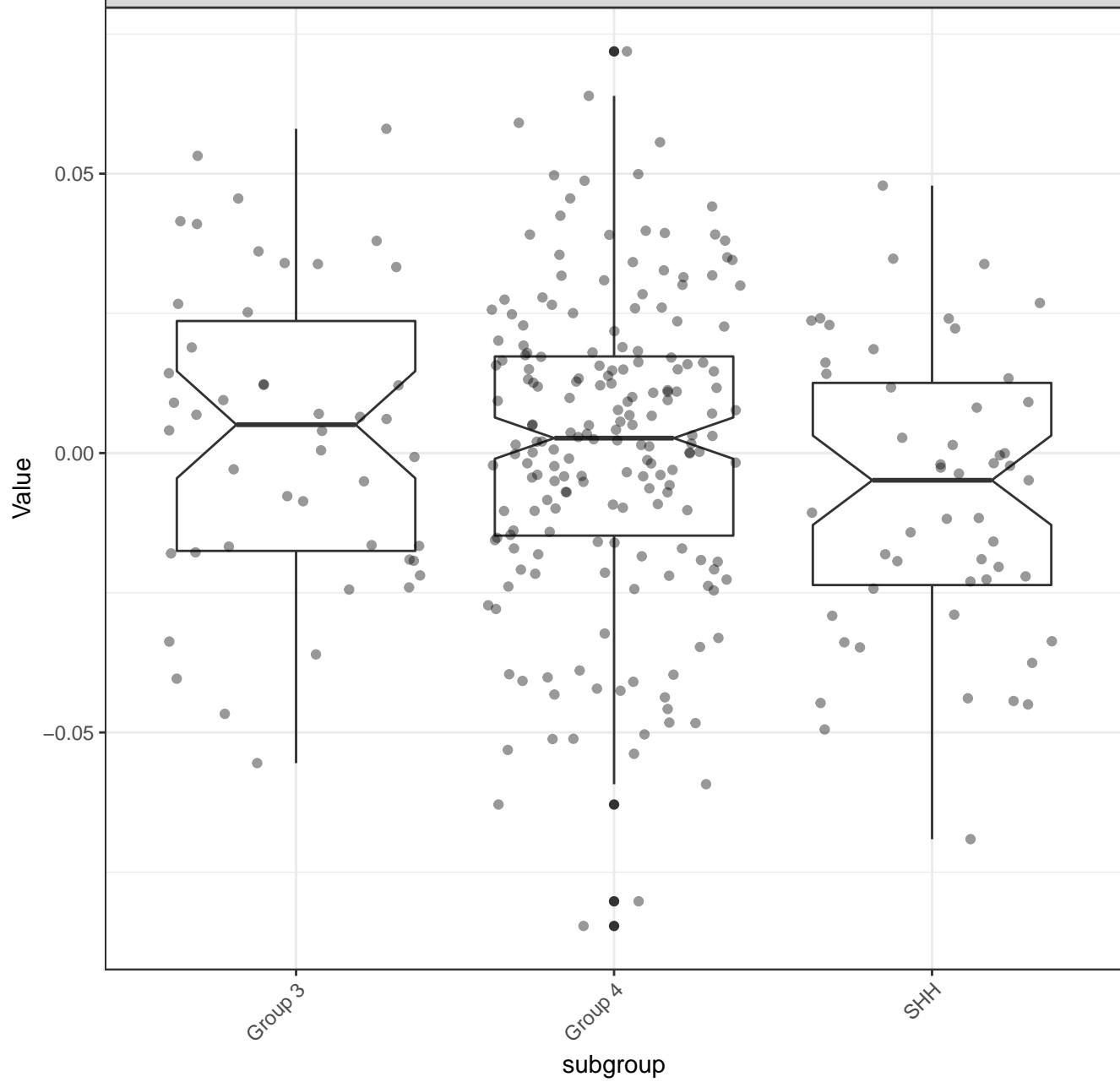
Group 4

SHH

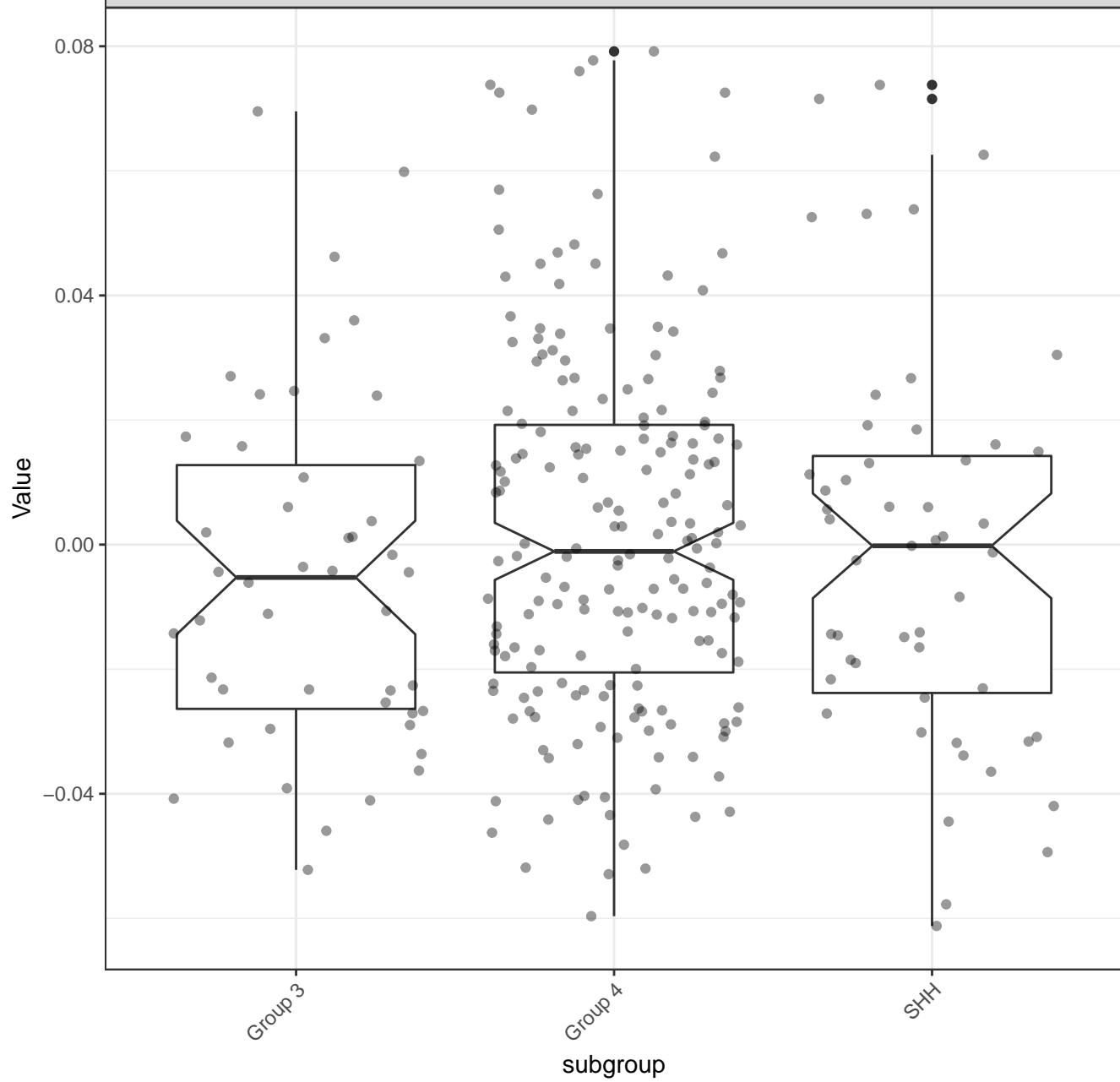
subgroup



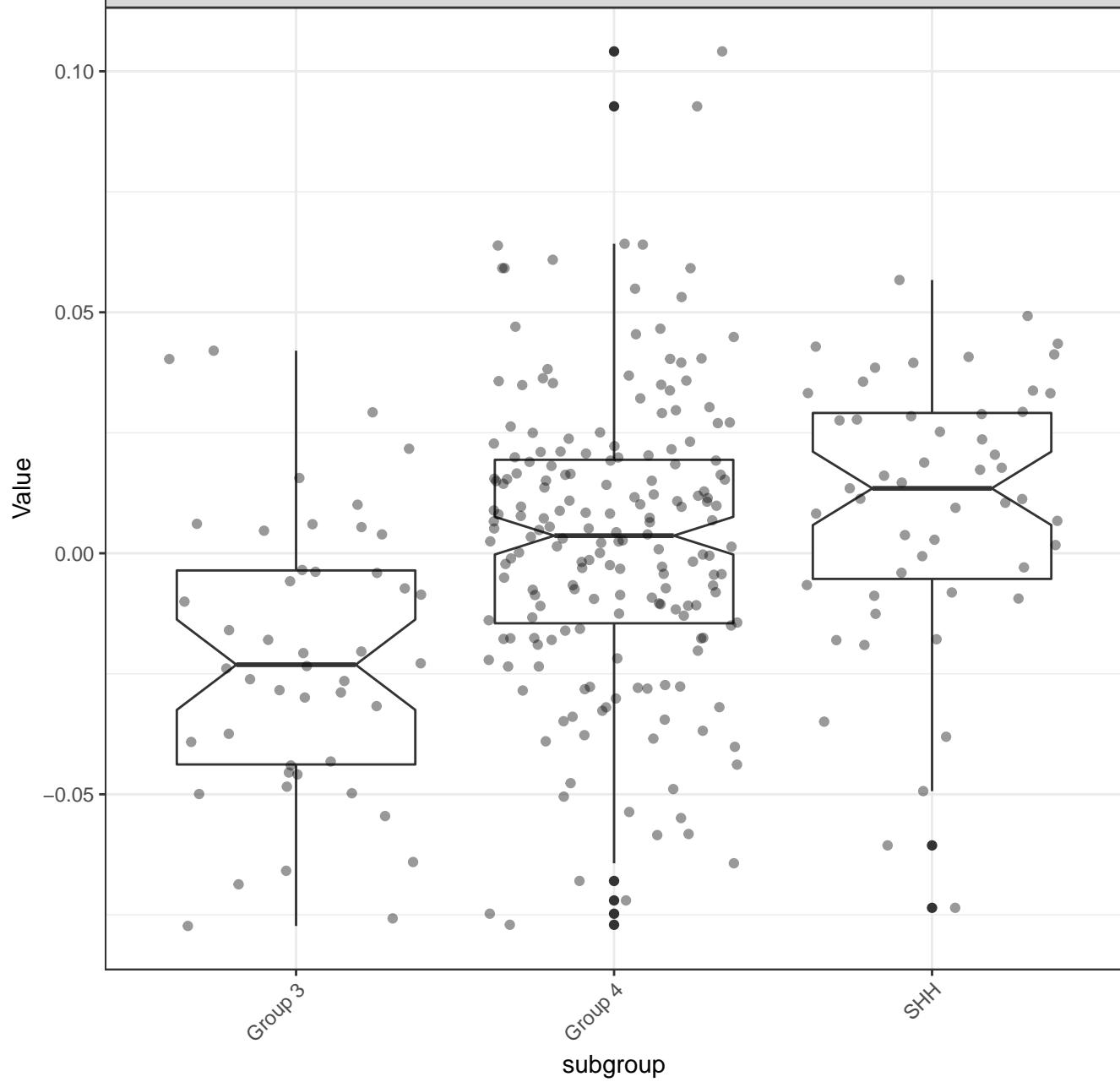
LV 715



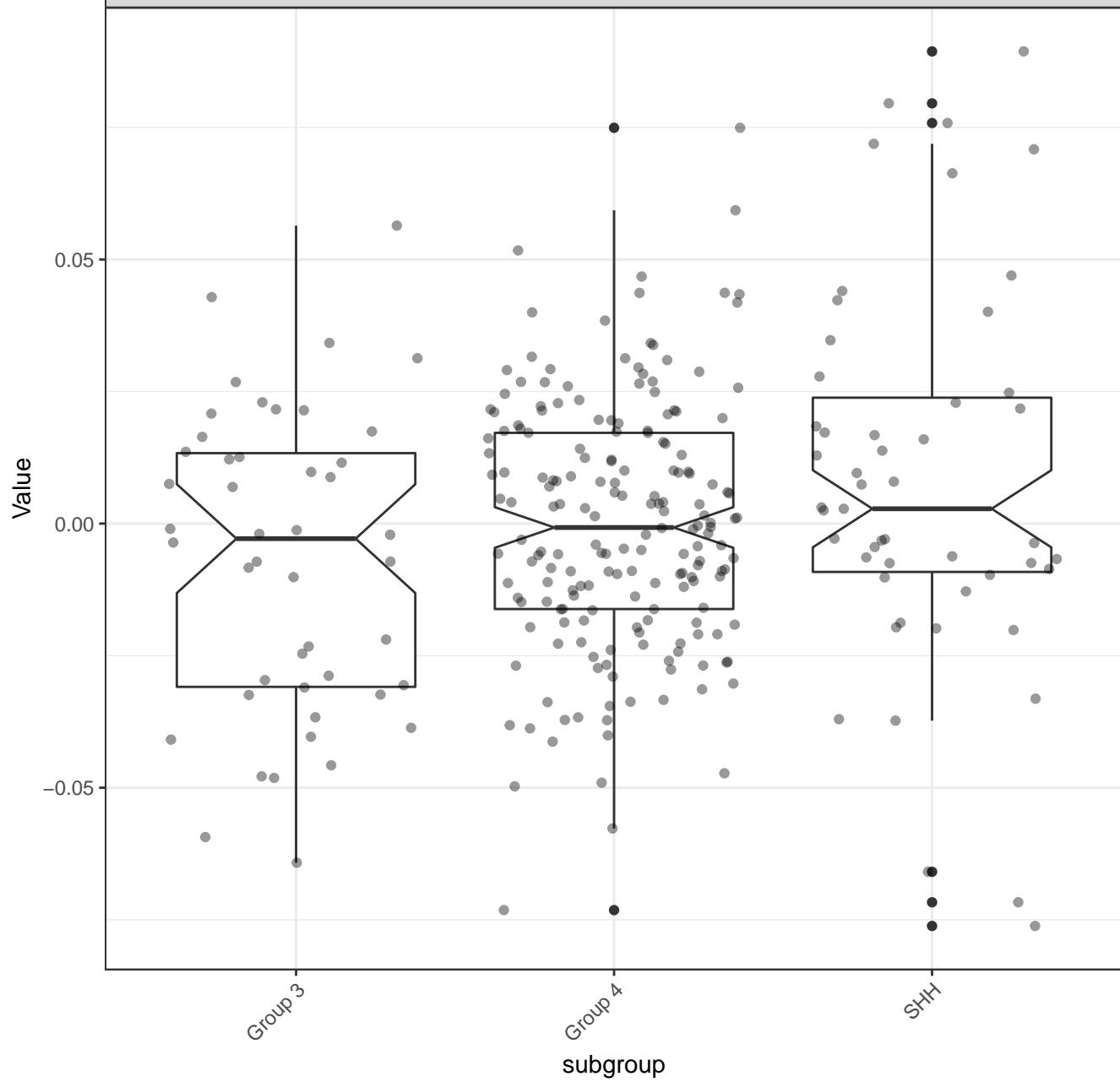
LV 716



LV 717



LV 718



719,DMAP_CMP

Value

0.10

0.05

0.00

-0.05

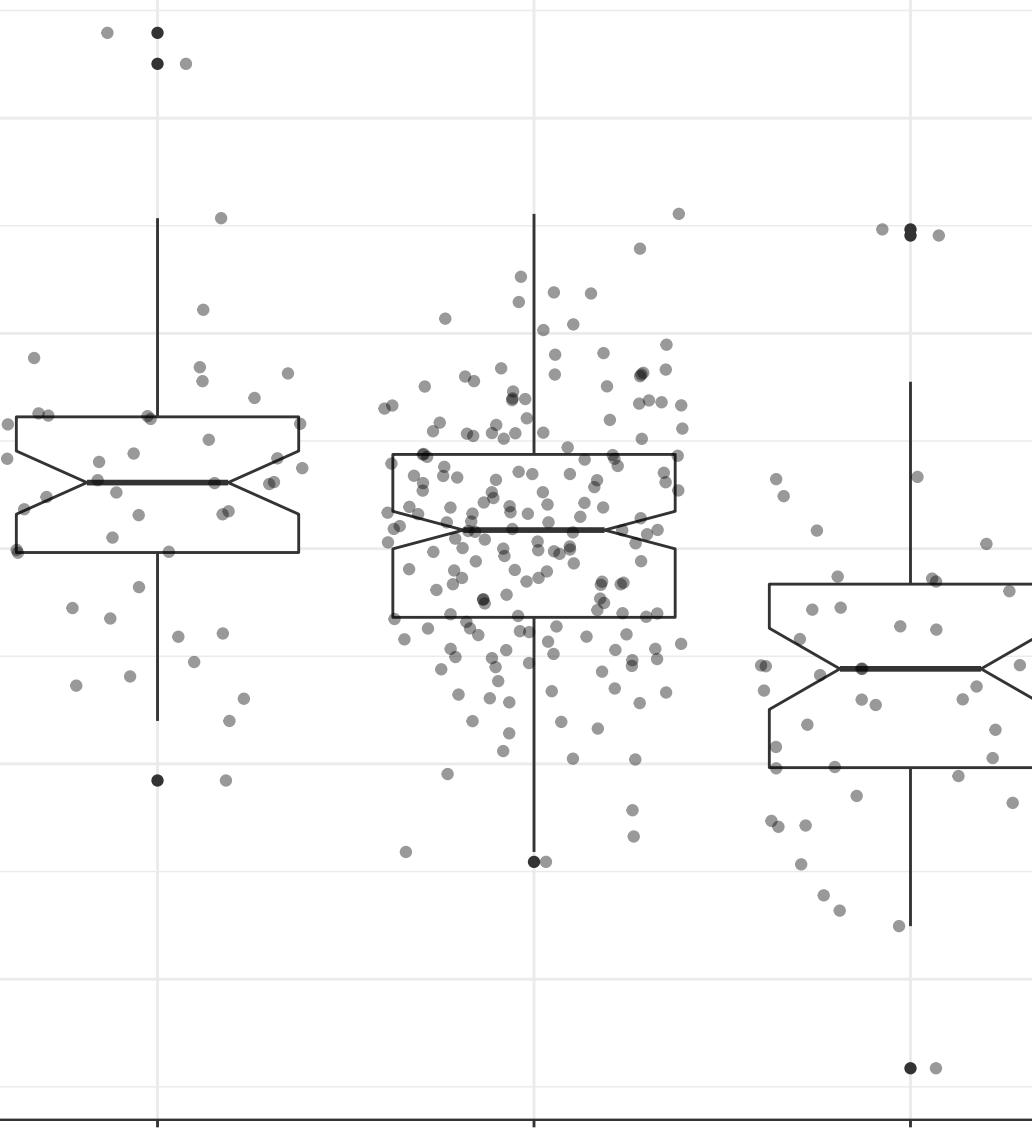
-0.10

Group 3

Group 4

SHH

subgroup



720,PID_FANCONI_PATHWAY

Value

0.50

0.25

0.00

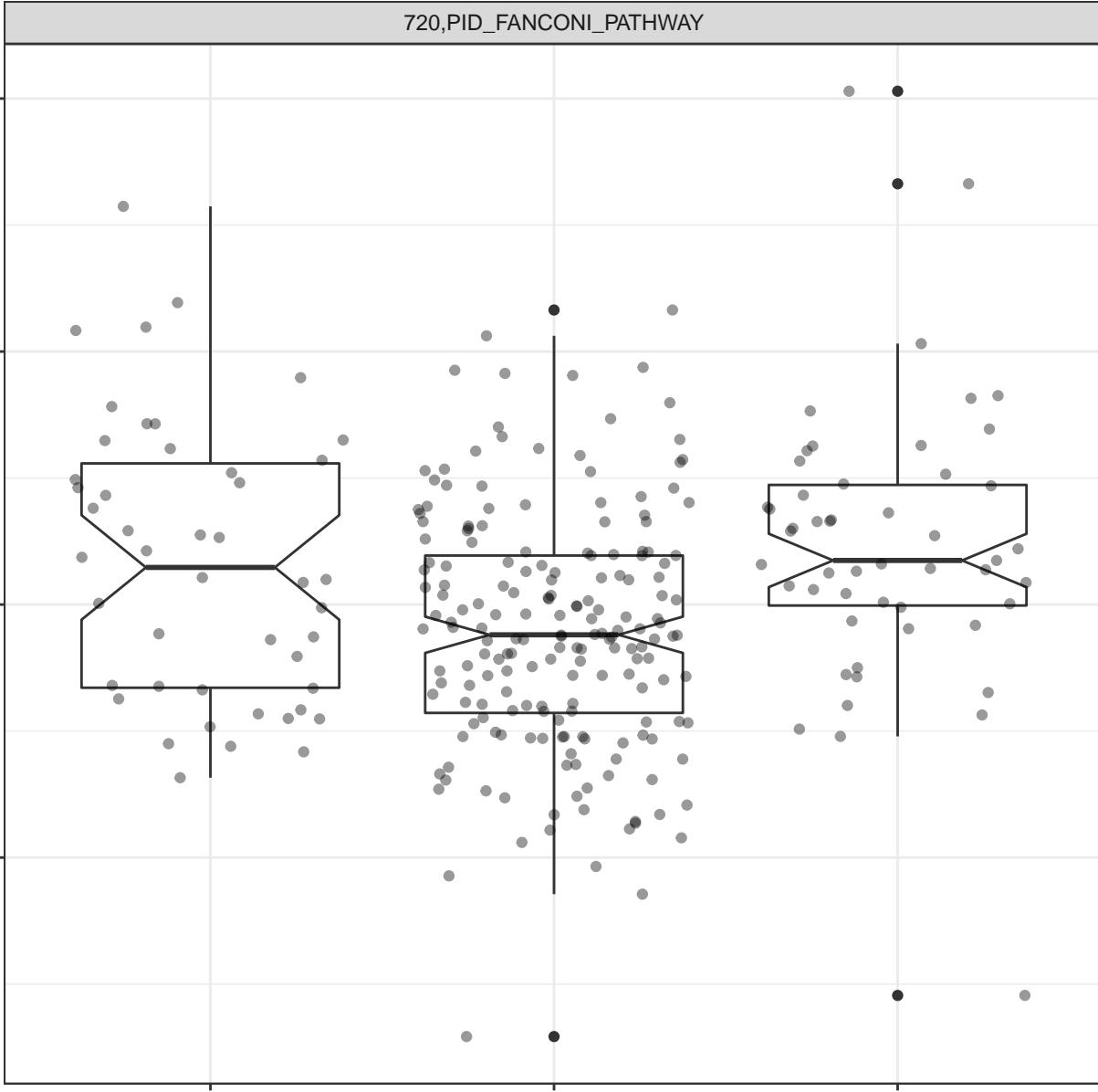
-0.25

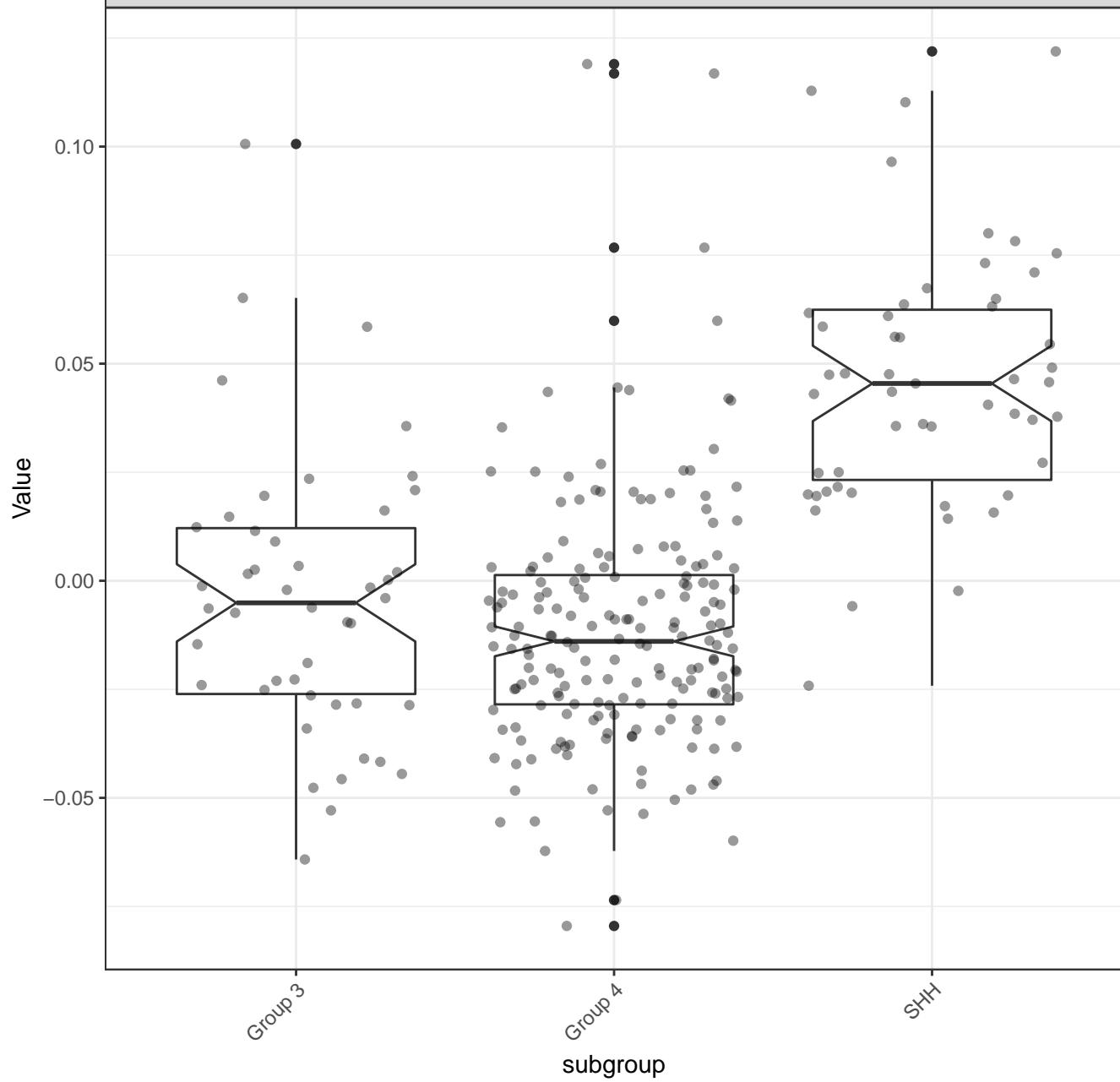
Group 3

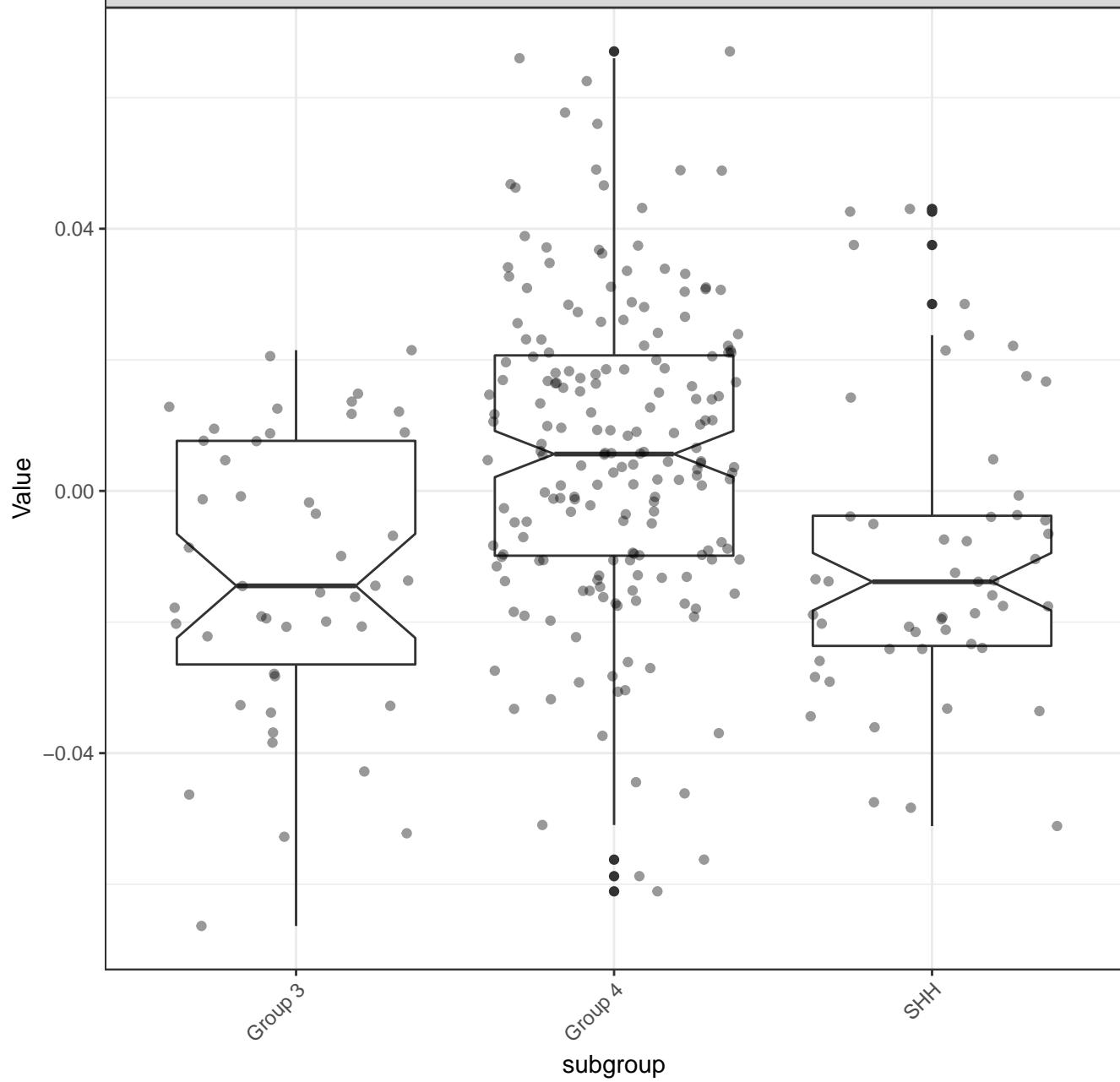
Group 4

SHH

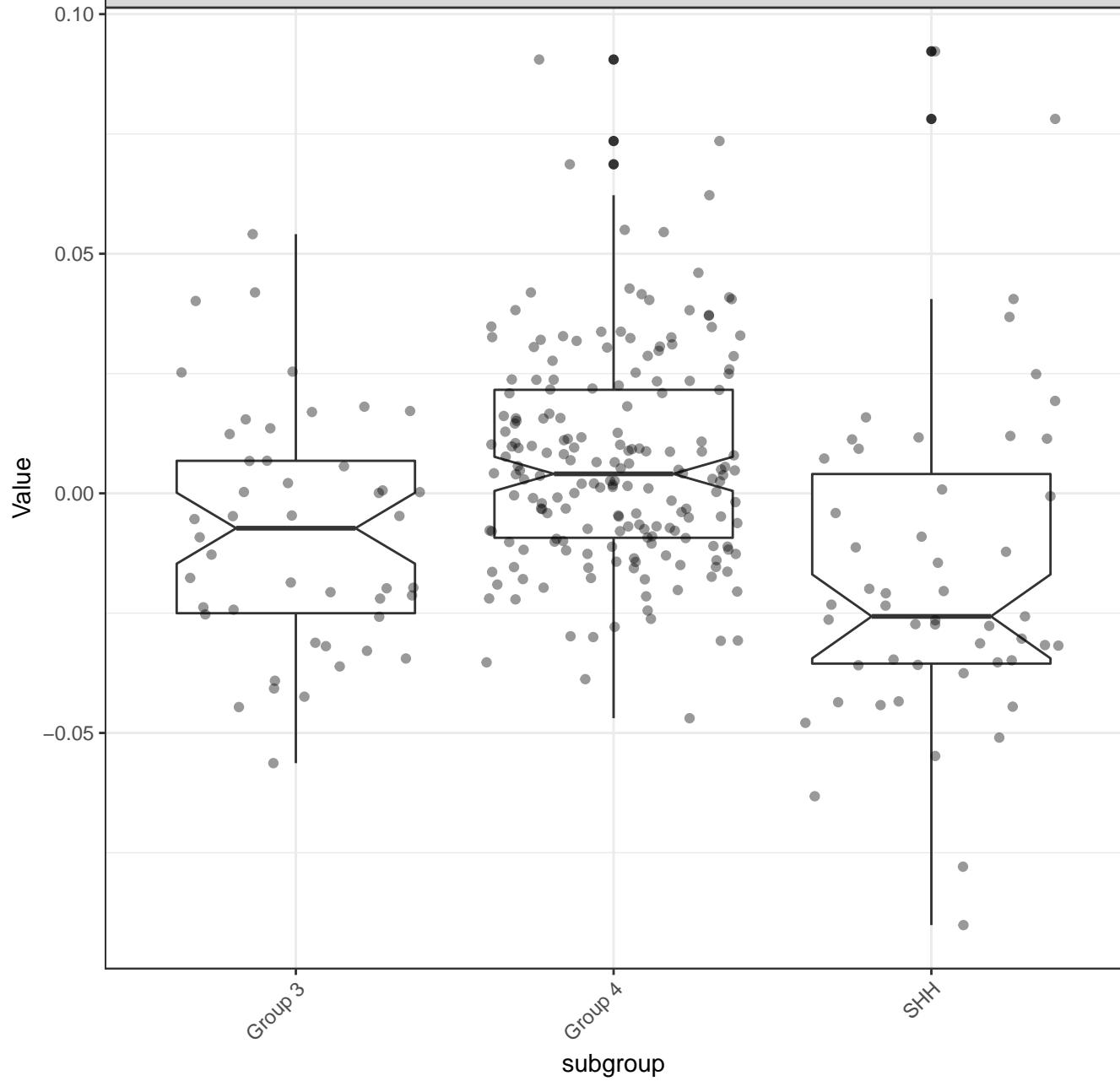
subgroup



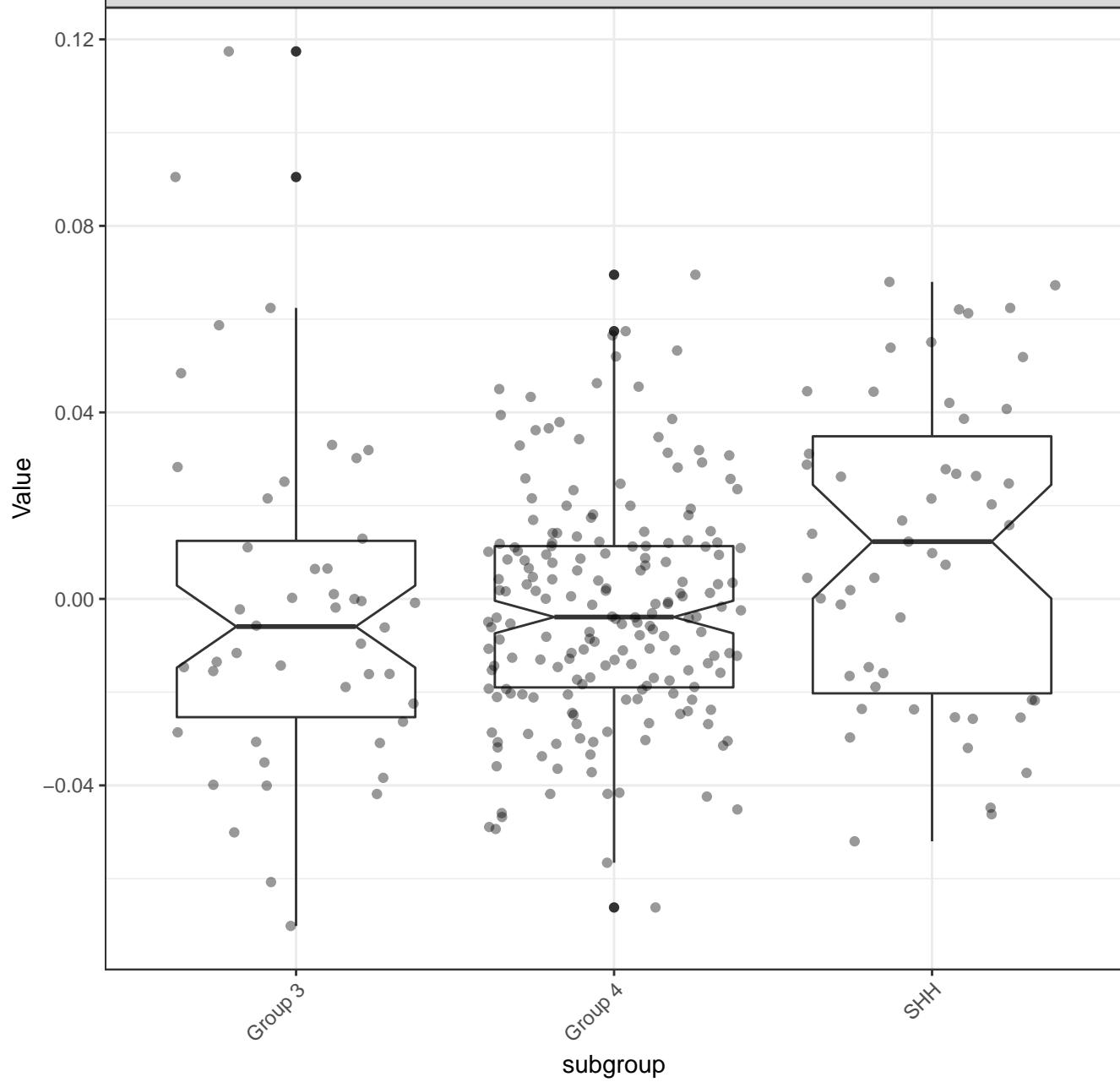




LV 723



LV 724



LV 725

Value

0.3

0.2

0.1

0.0

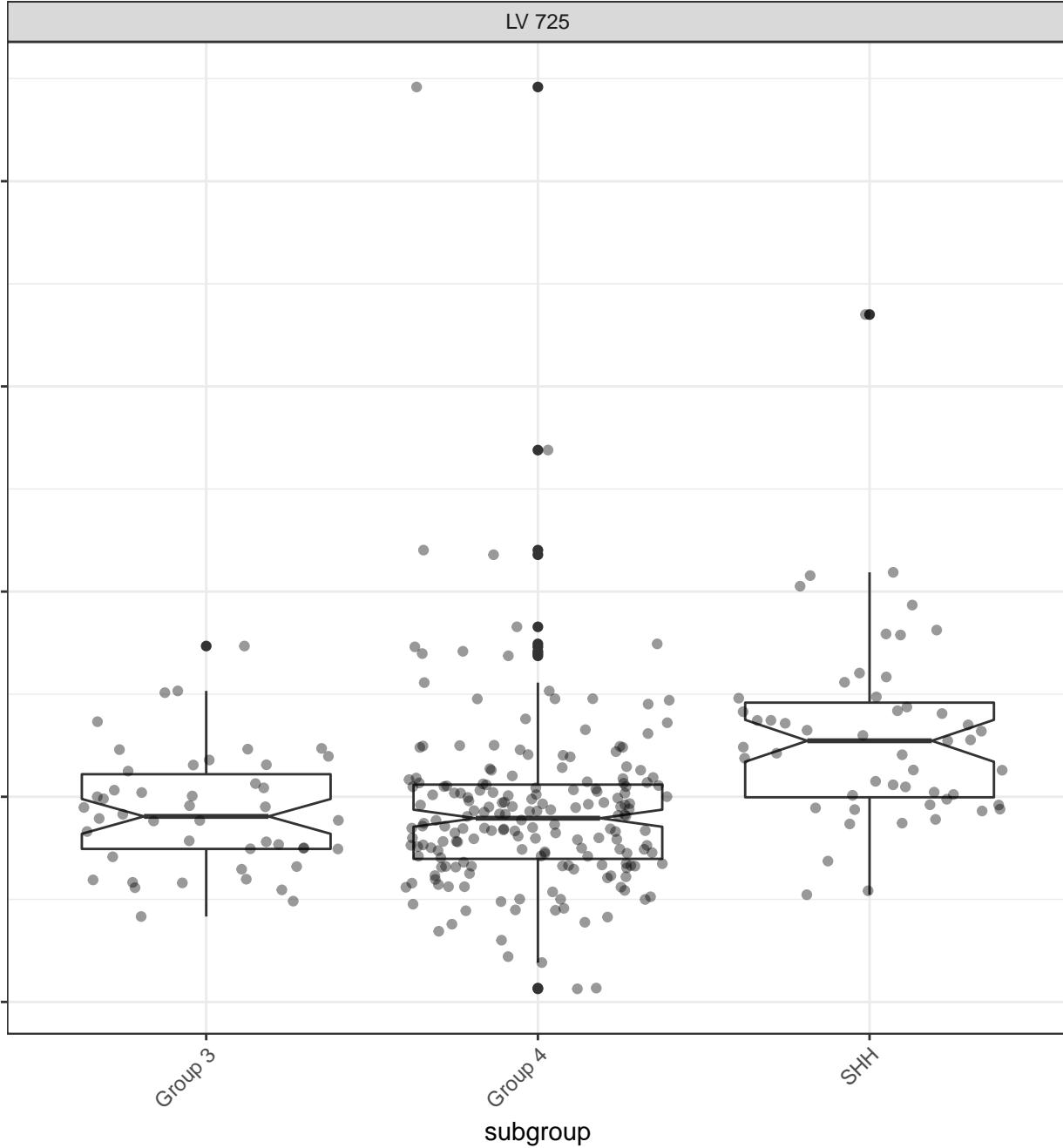
-0.1

Group 3

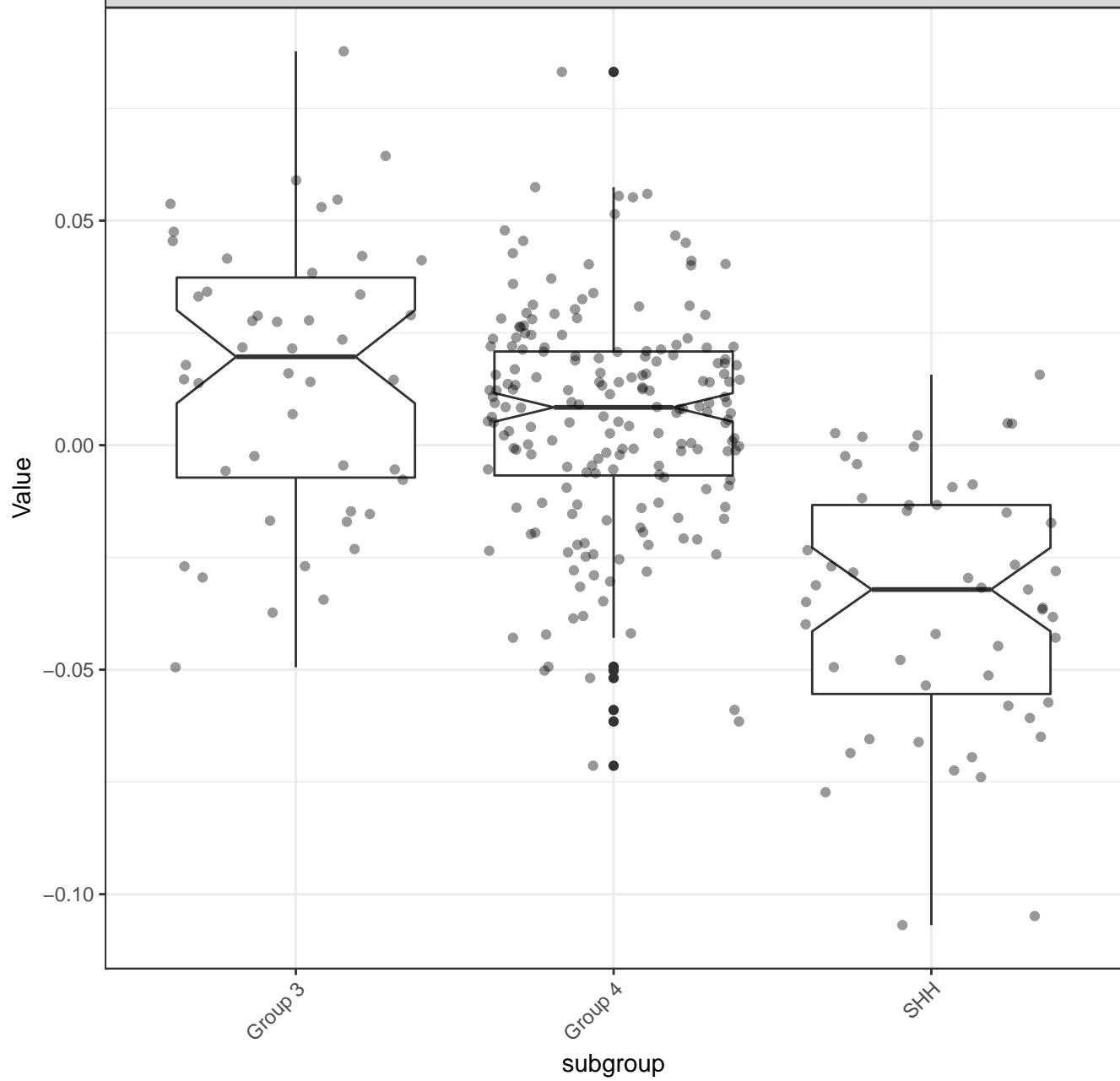
Group 4

SHH

subgroup



LV 726



Value

0.1

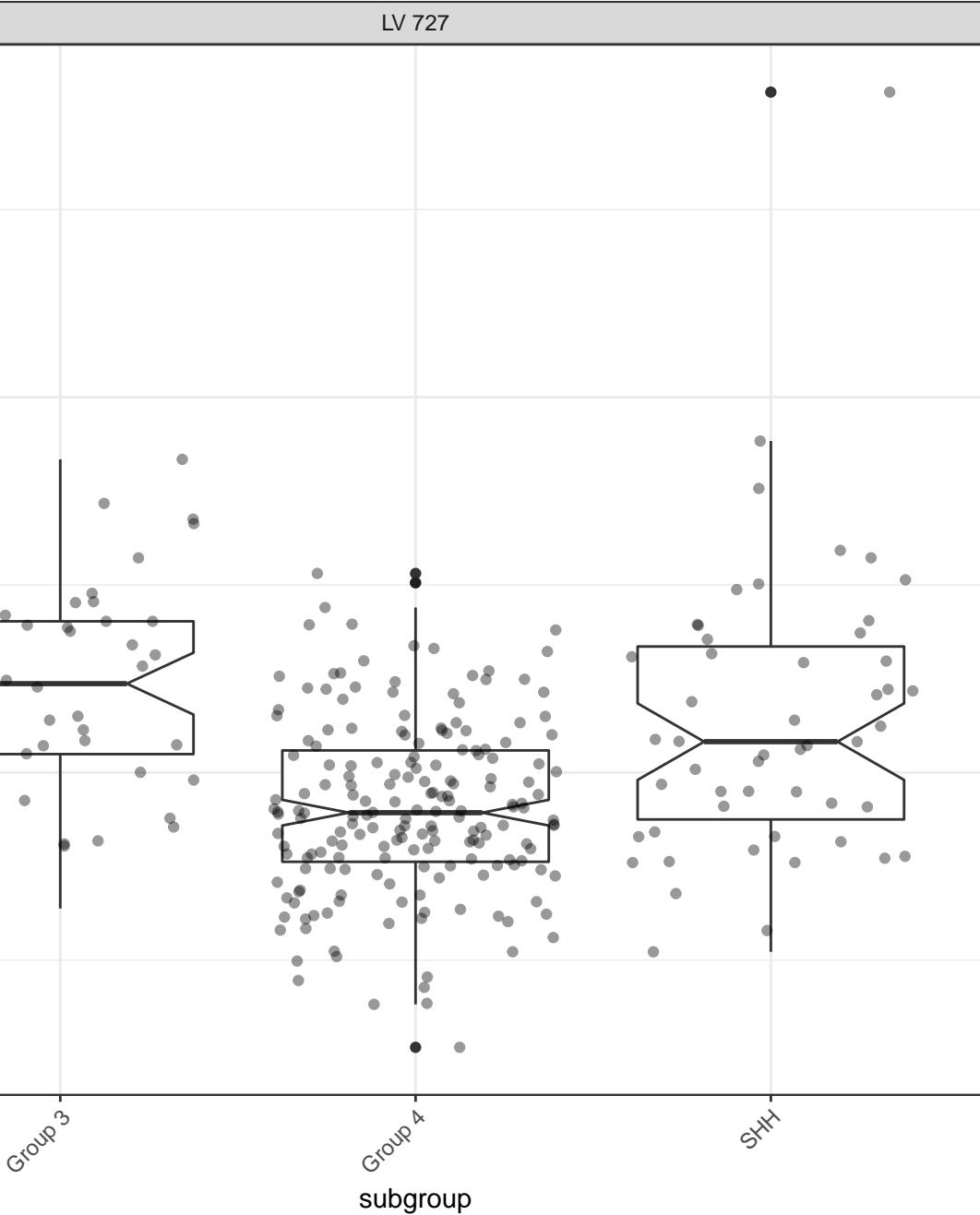
0.0

Group 3

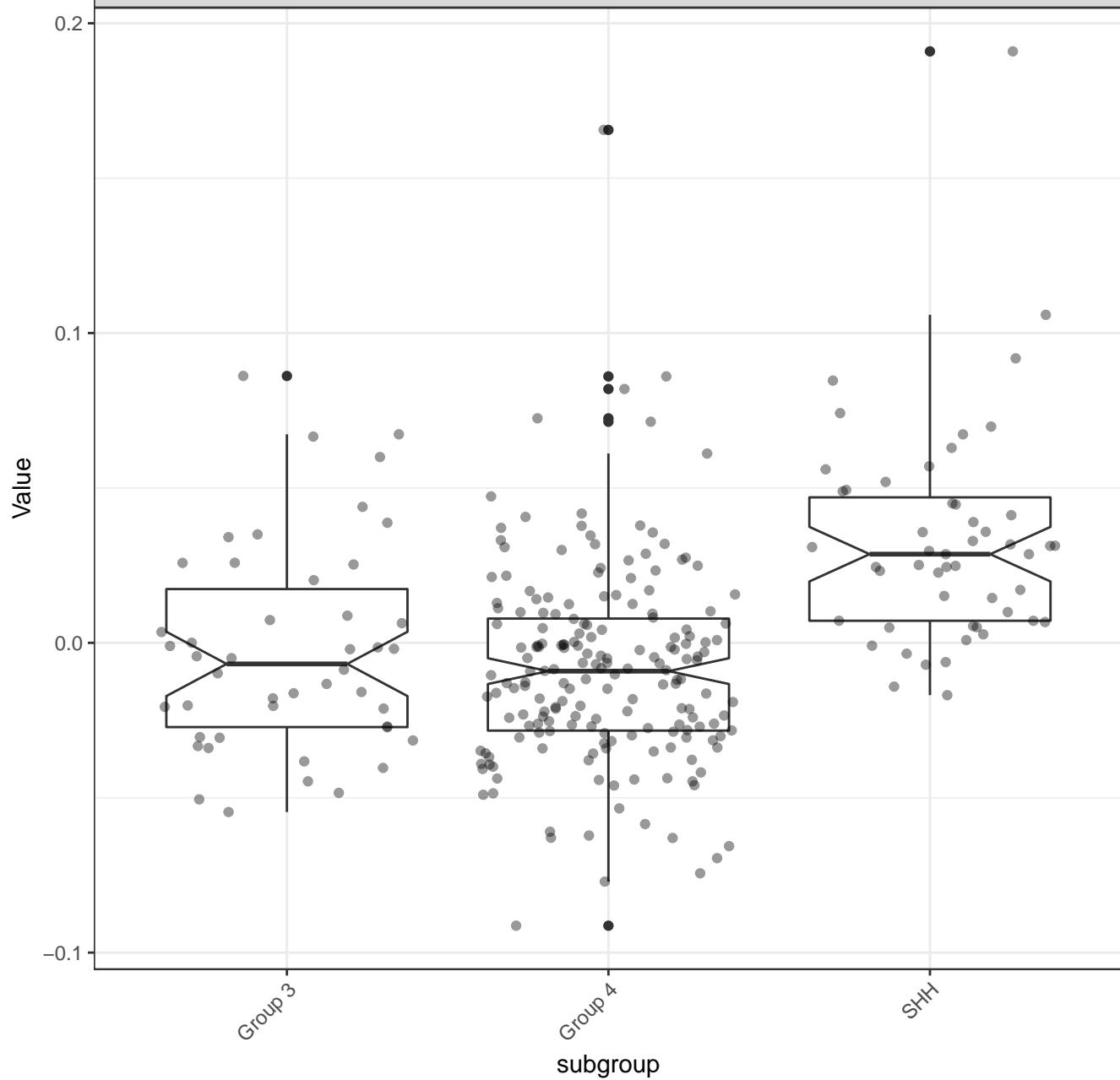
Group 4

SHH

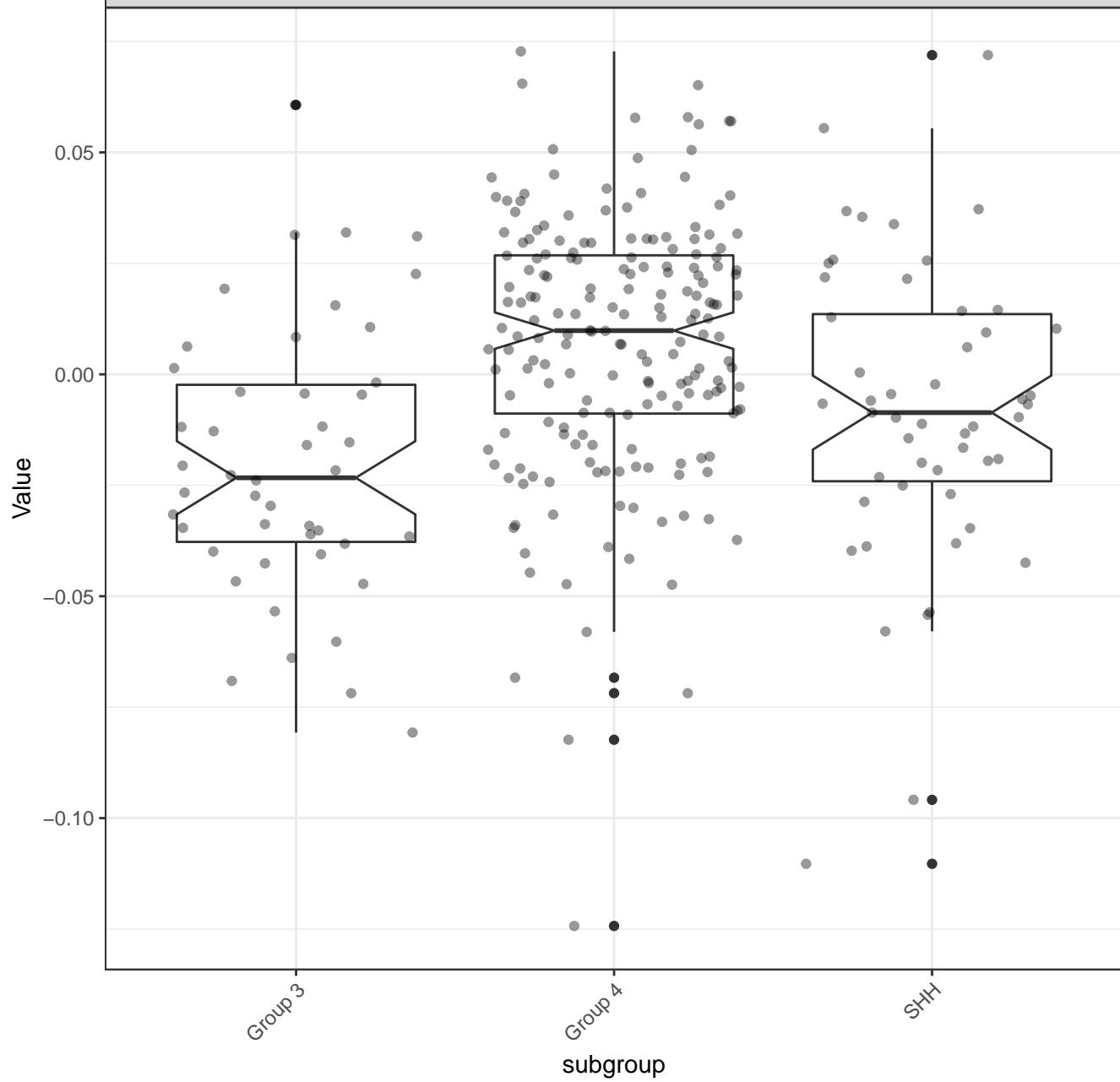
subgroup



728,SVM Mast cells activated



LV 729



Value

0.2

0.1

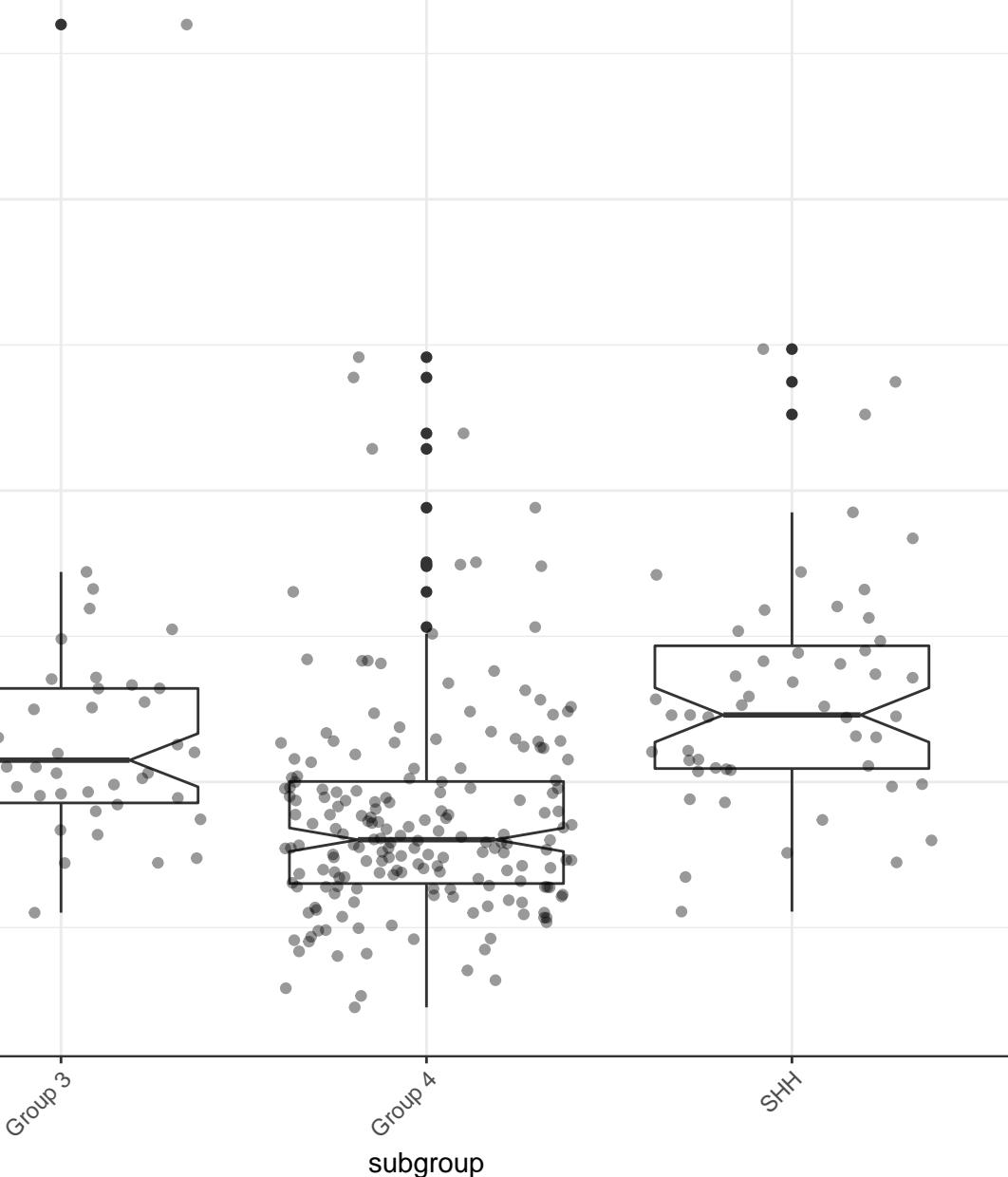
0.0

Group 3

Group 4

SHH

subgroup



LV 731

Value

0.10

0.05

0.00

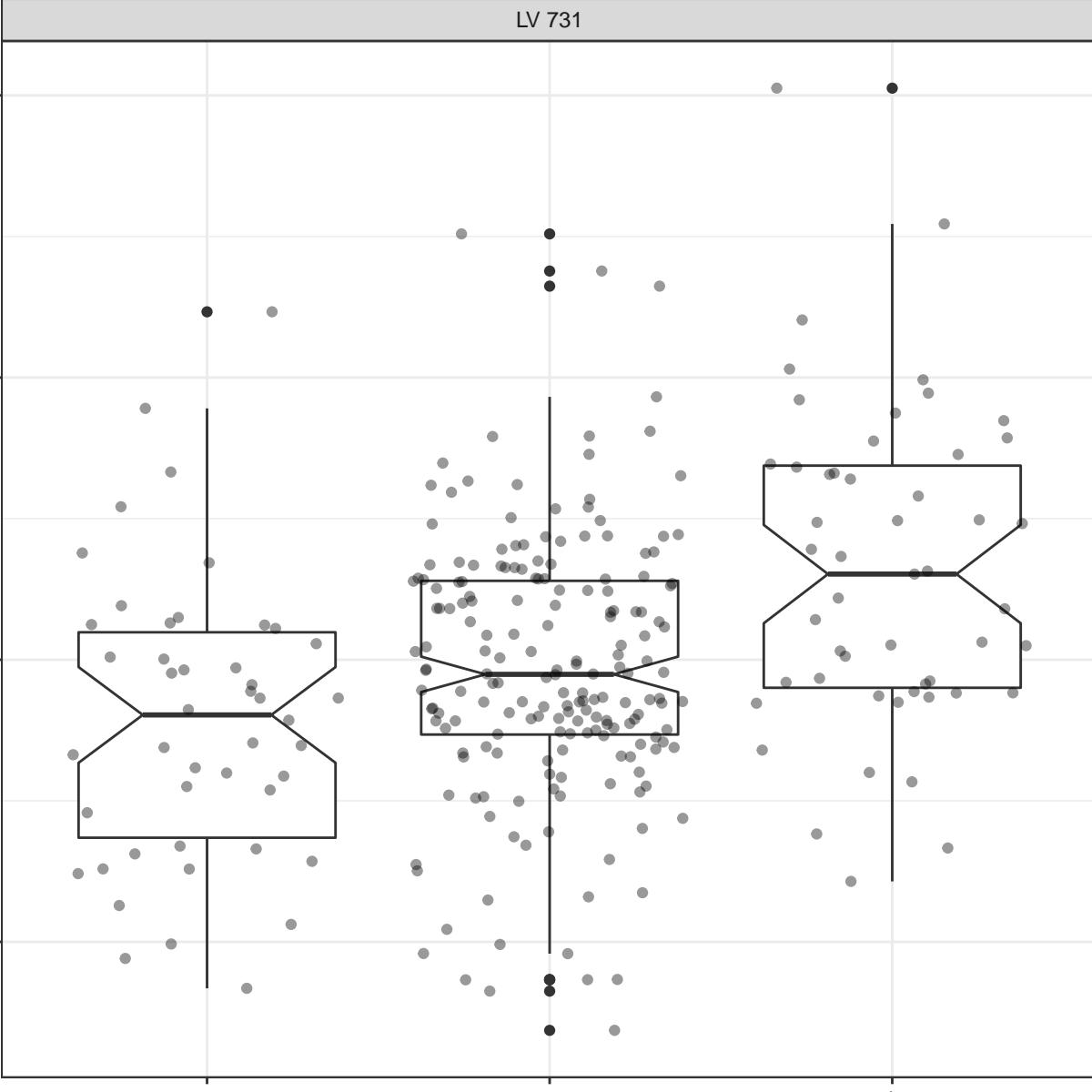
-0.05

Group 3

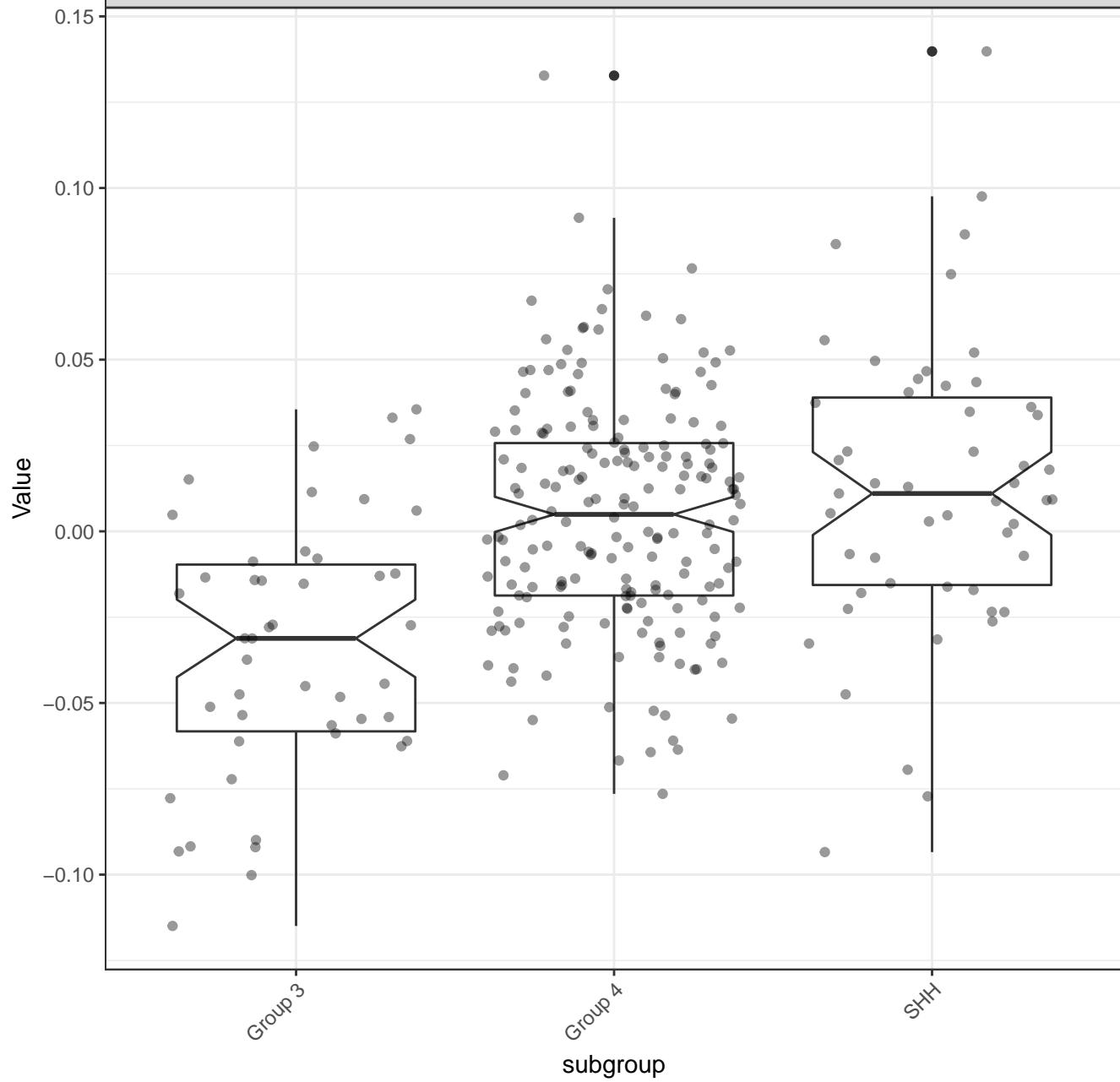
subgroup

Group 4

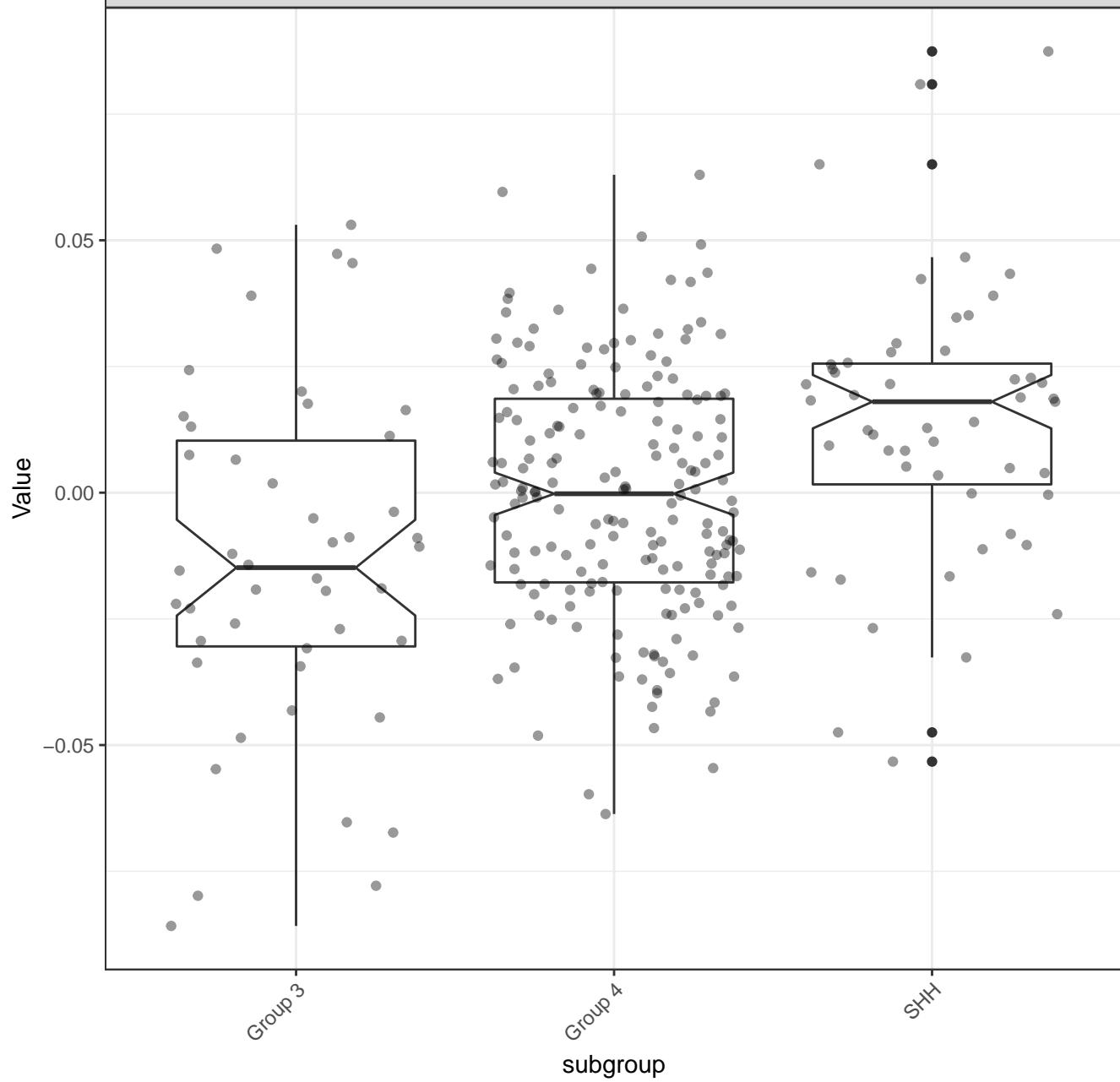
SHH

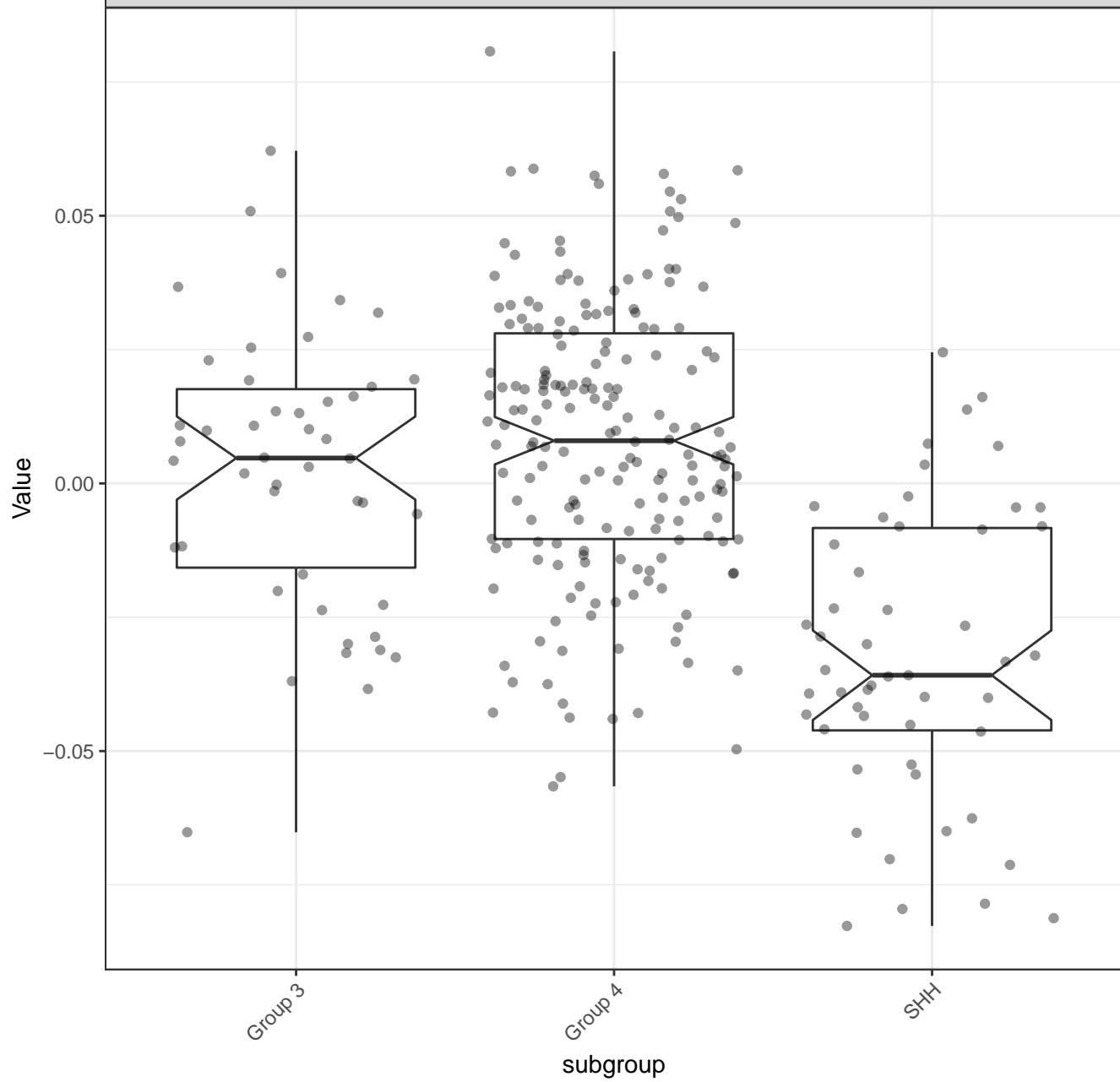


LV 732



LV 733





735,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value

0.10

0.05

0.00

-0.05

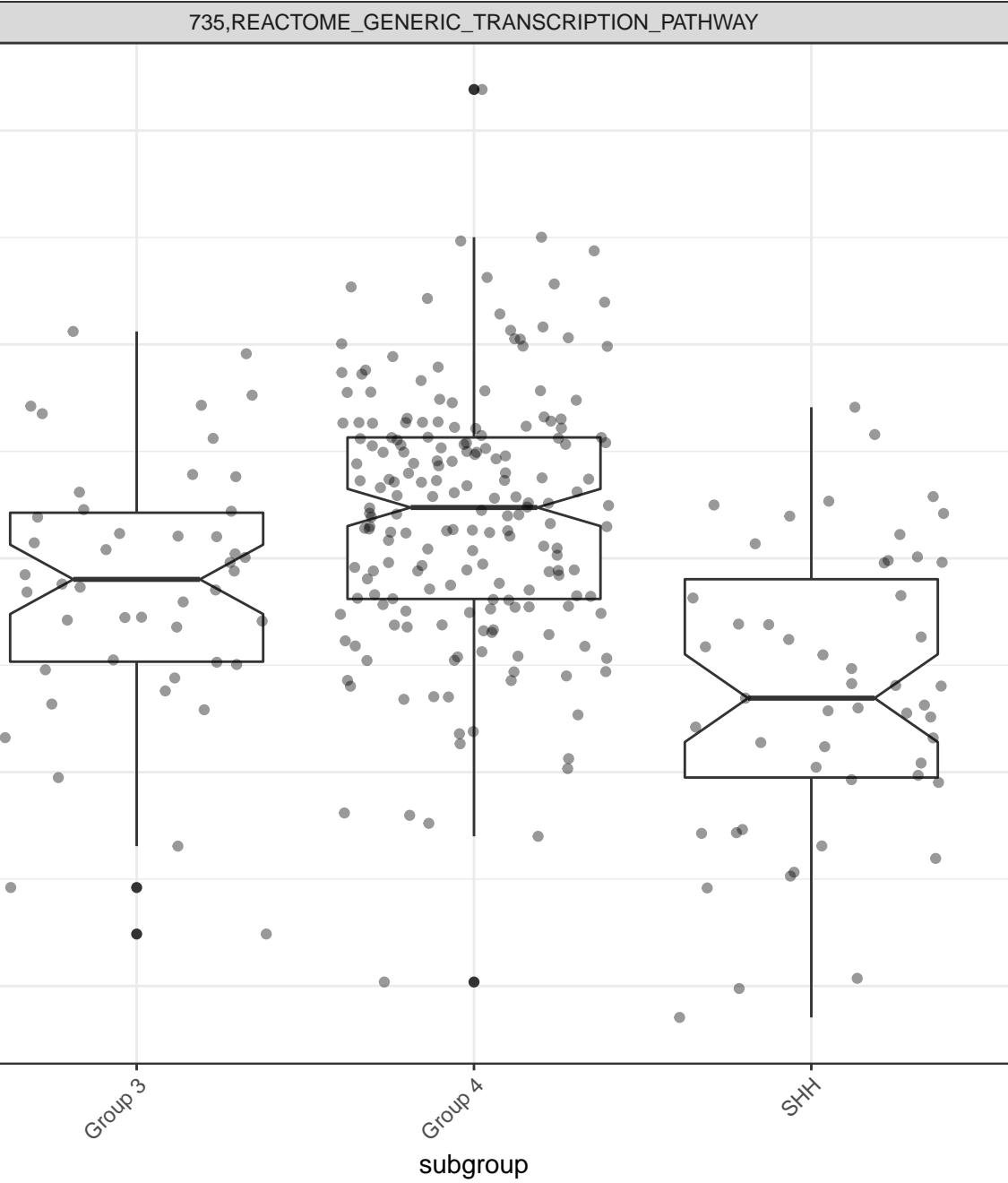
-0.10

Group 3

subgroup

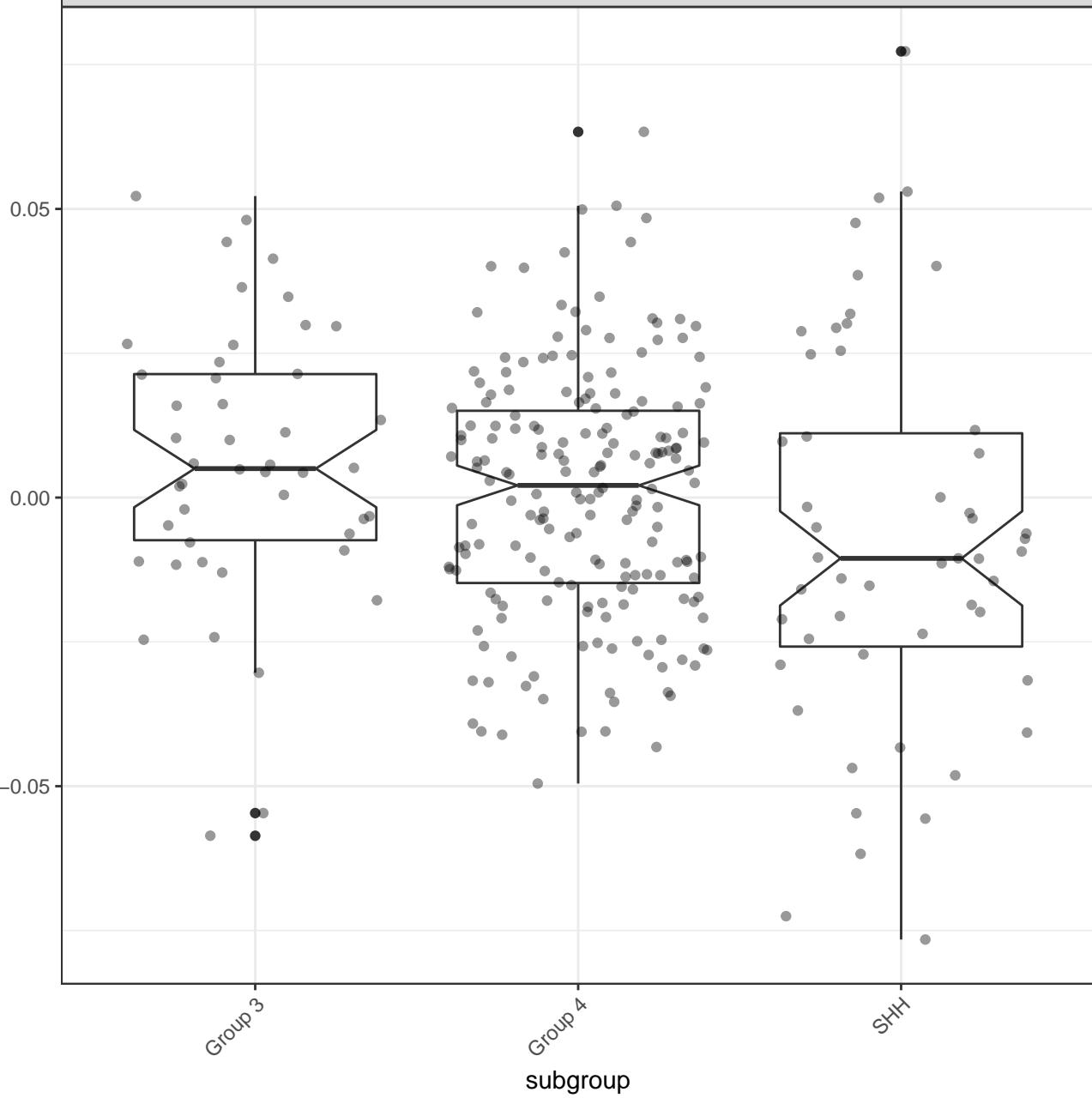
Group 4

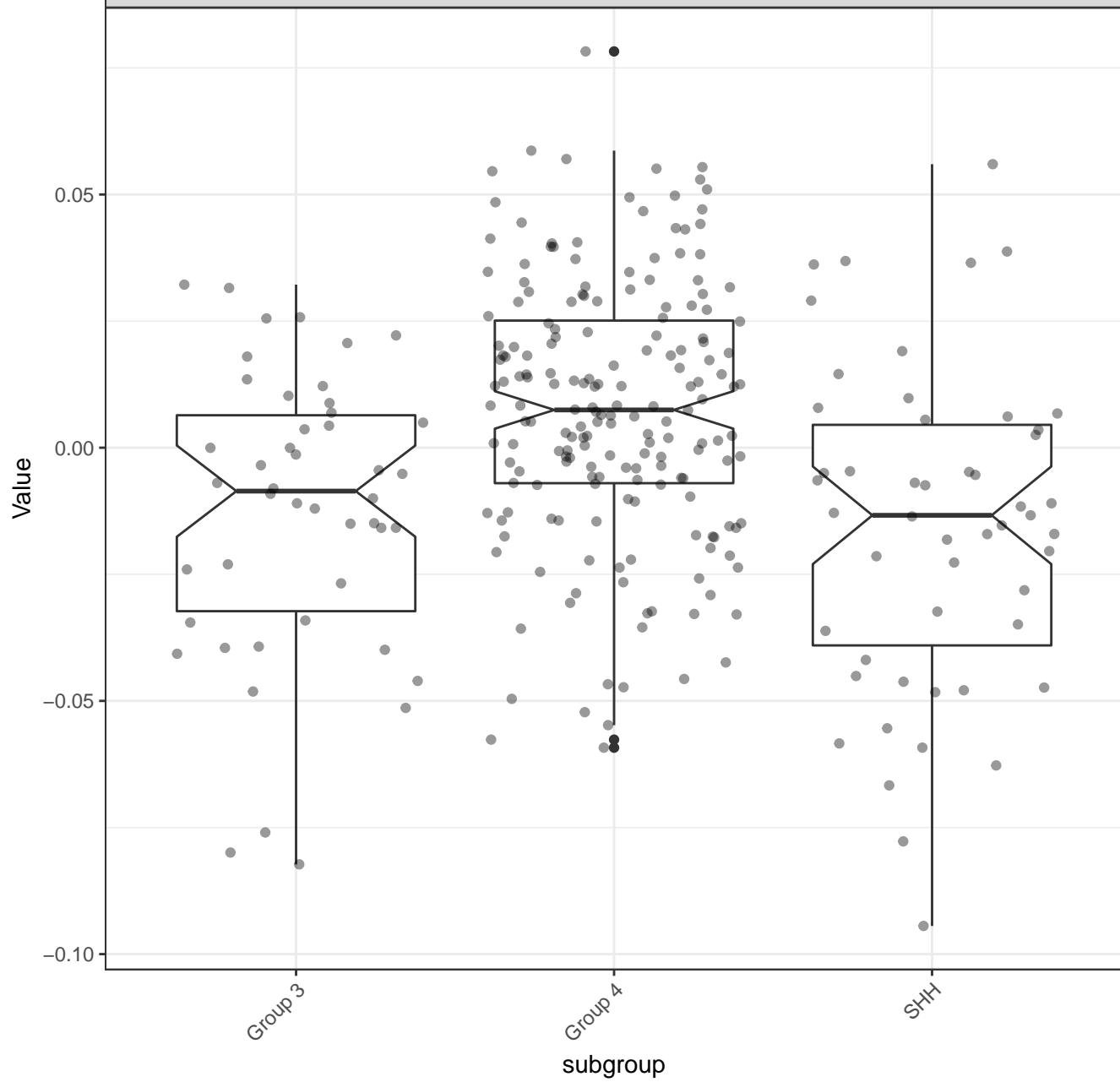
SHH



LV 736

Value





Value

0.15

0.10

0.05

0.00

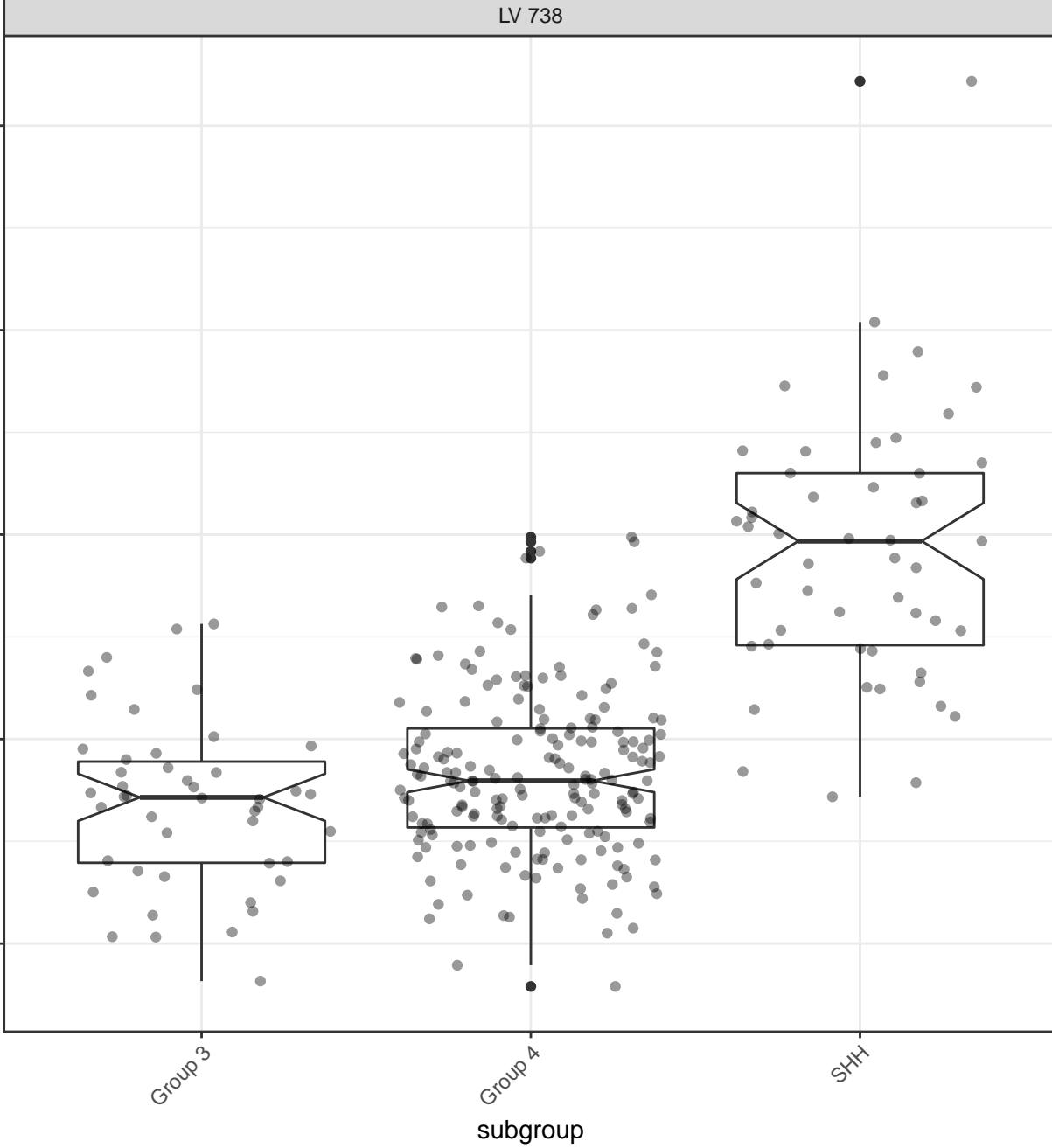
-0.05

Group 3

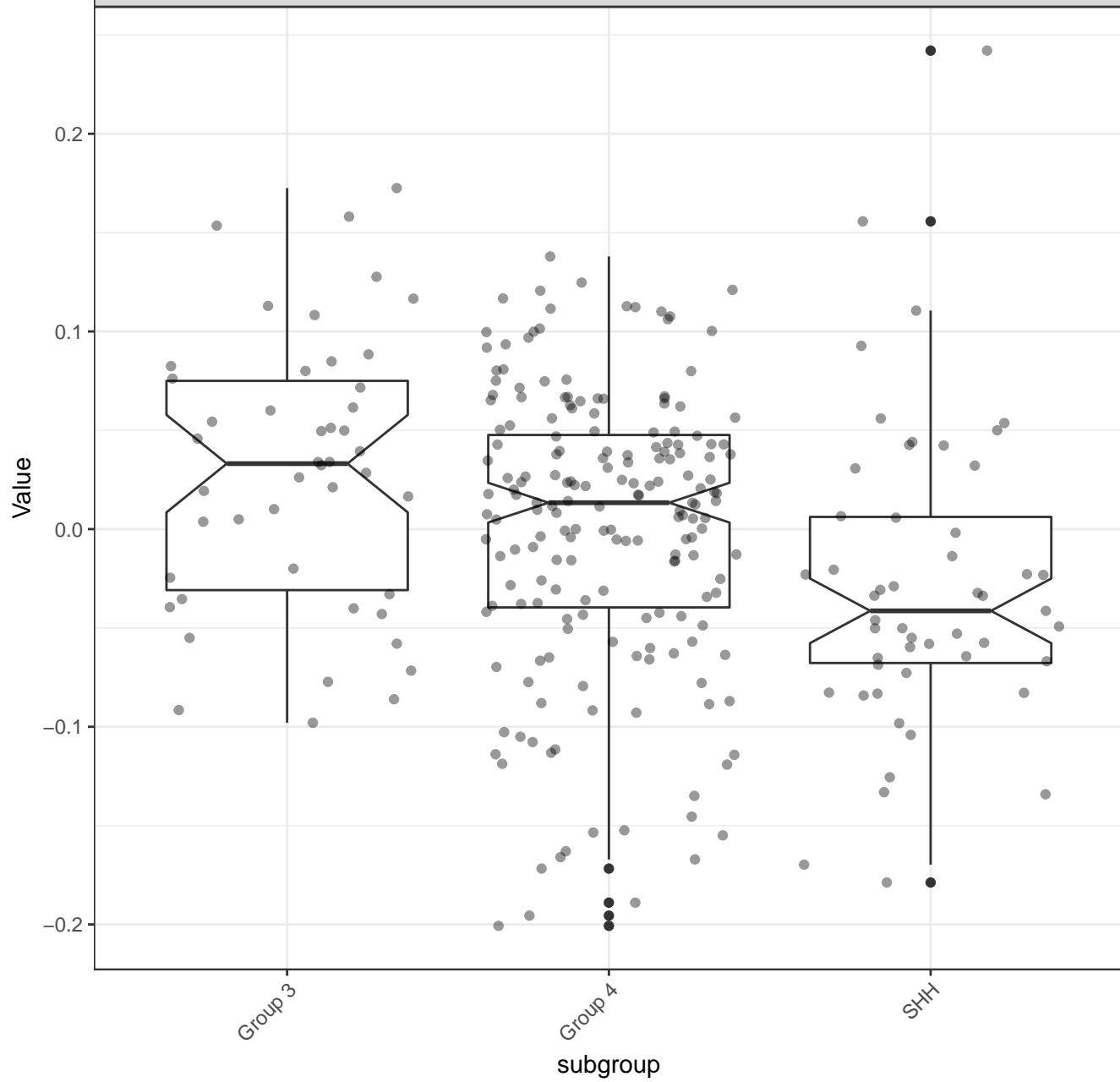
Group 4

SHH

subgroup



739,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



LV 740

Value

0.04

0.00

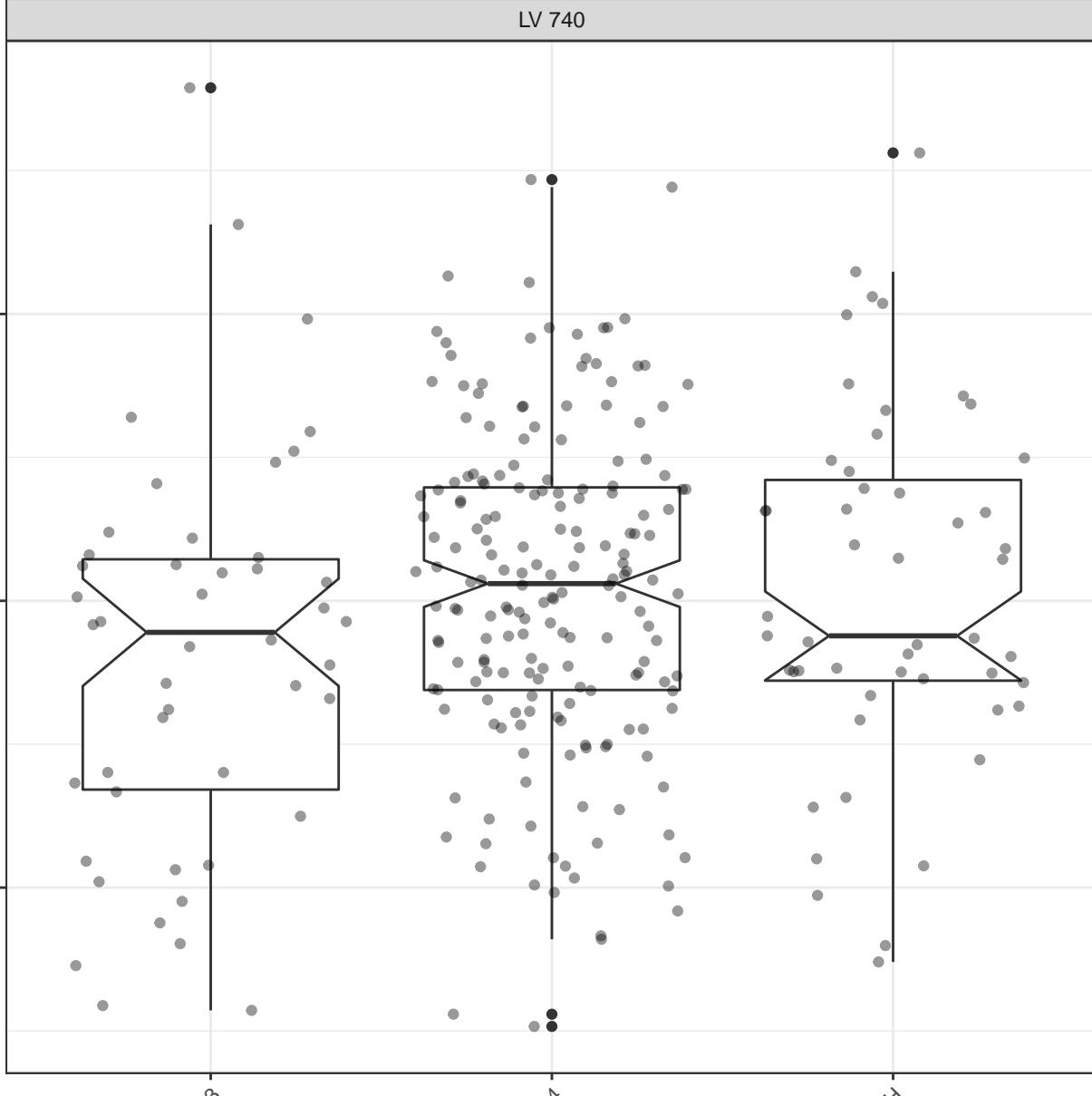
-0.04

Group 3

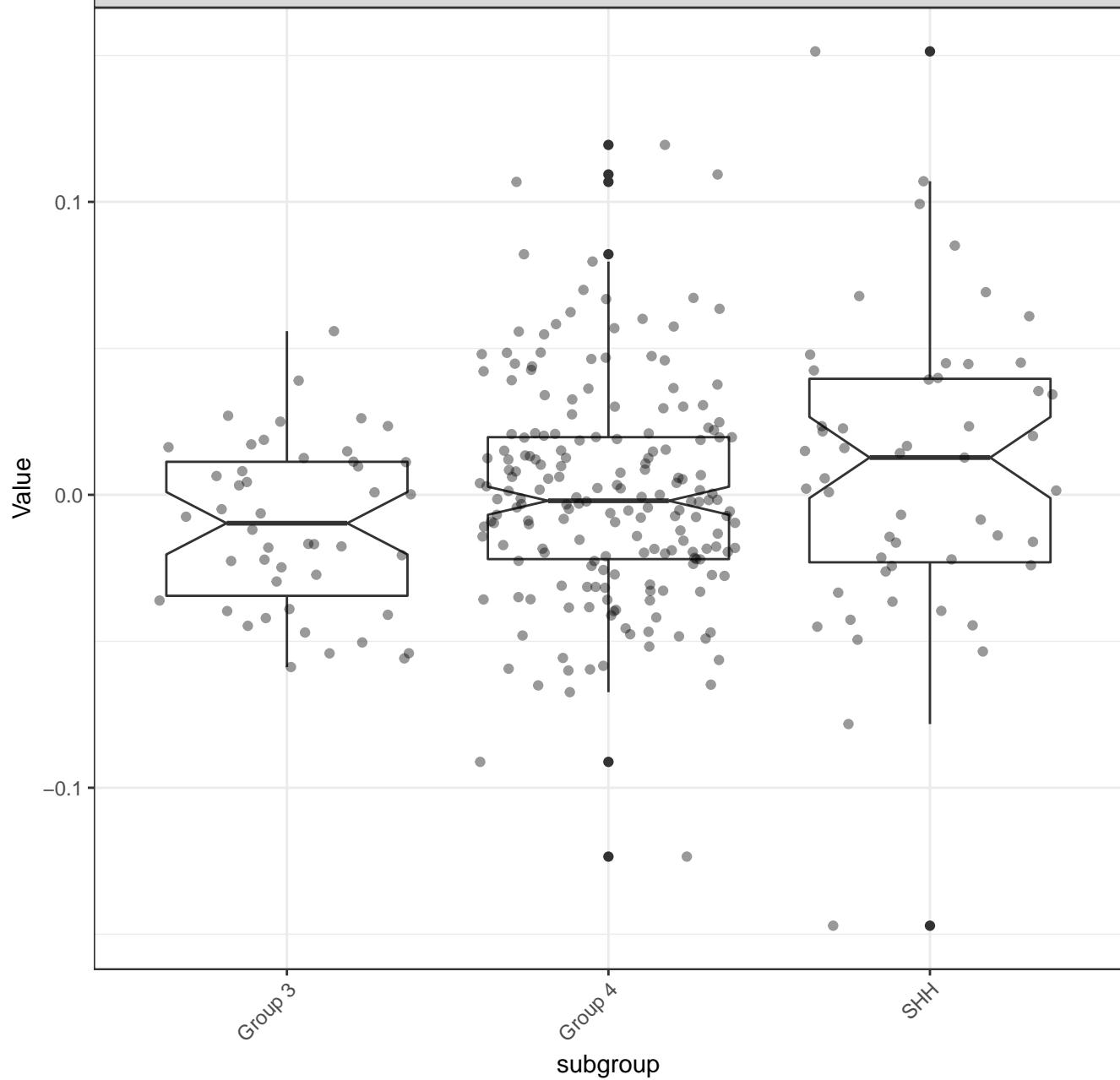
Group 4

SHH

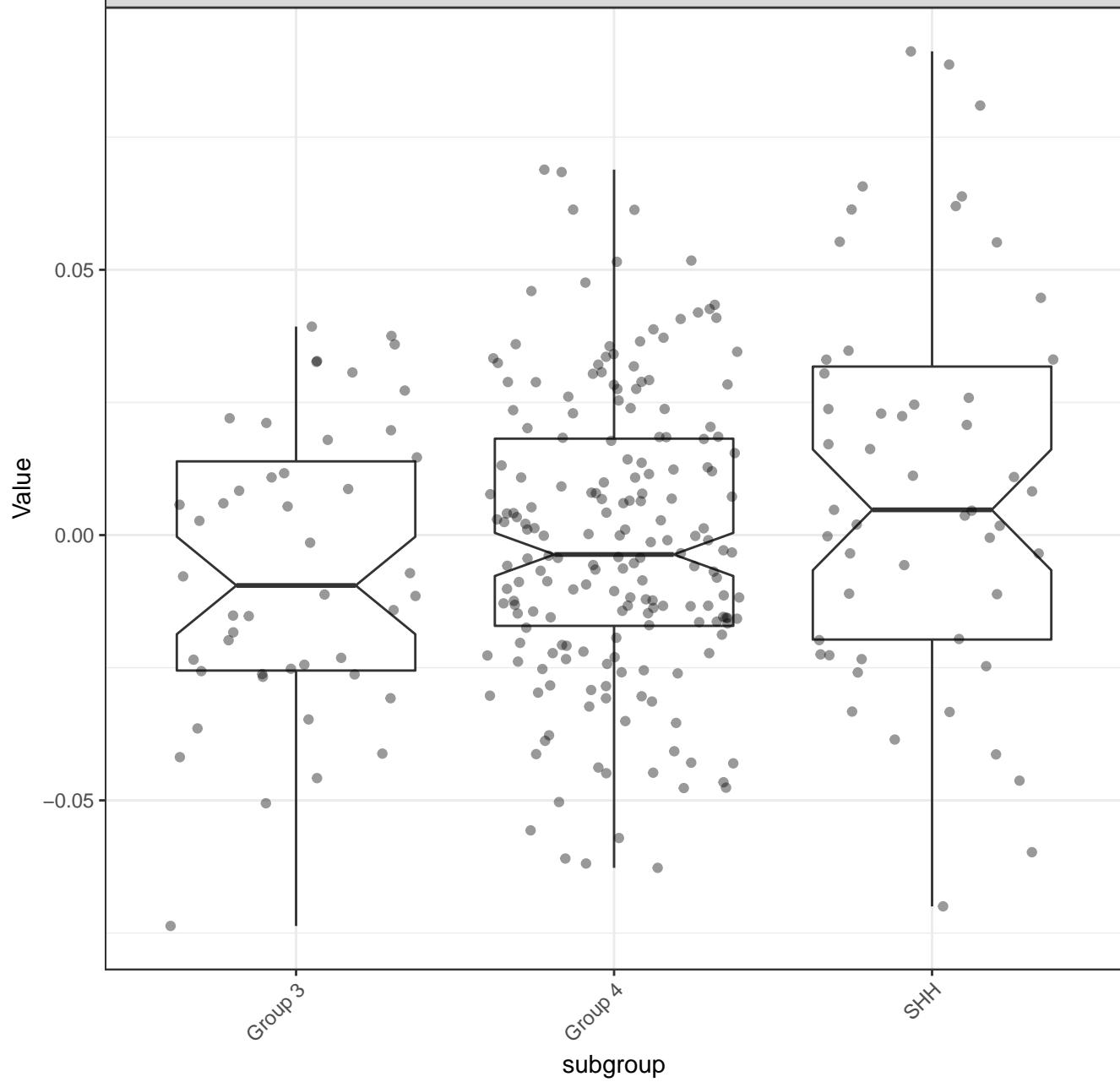
subgroup



LV 741



LV 742



743,MIPS_55S_RIBOSOME_MITOCHONDRIAL

Value

0.4

0.2

0.0

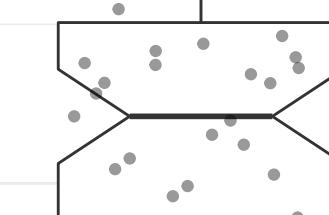
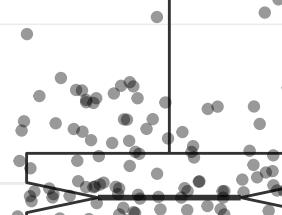
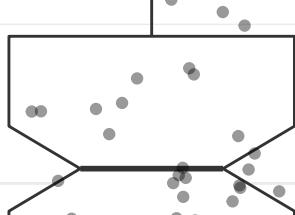
-0.2

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

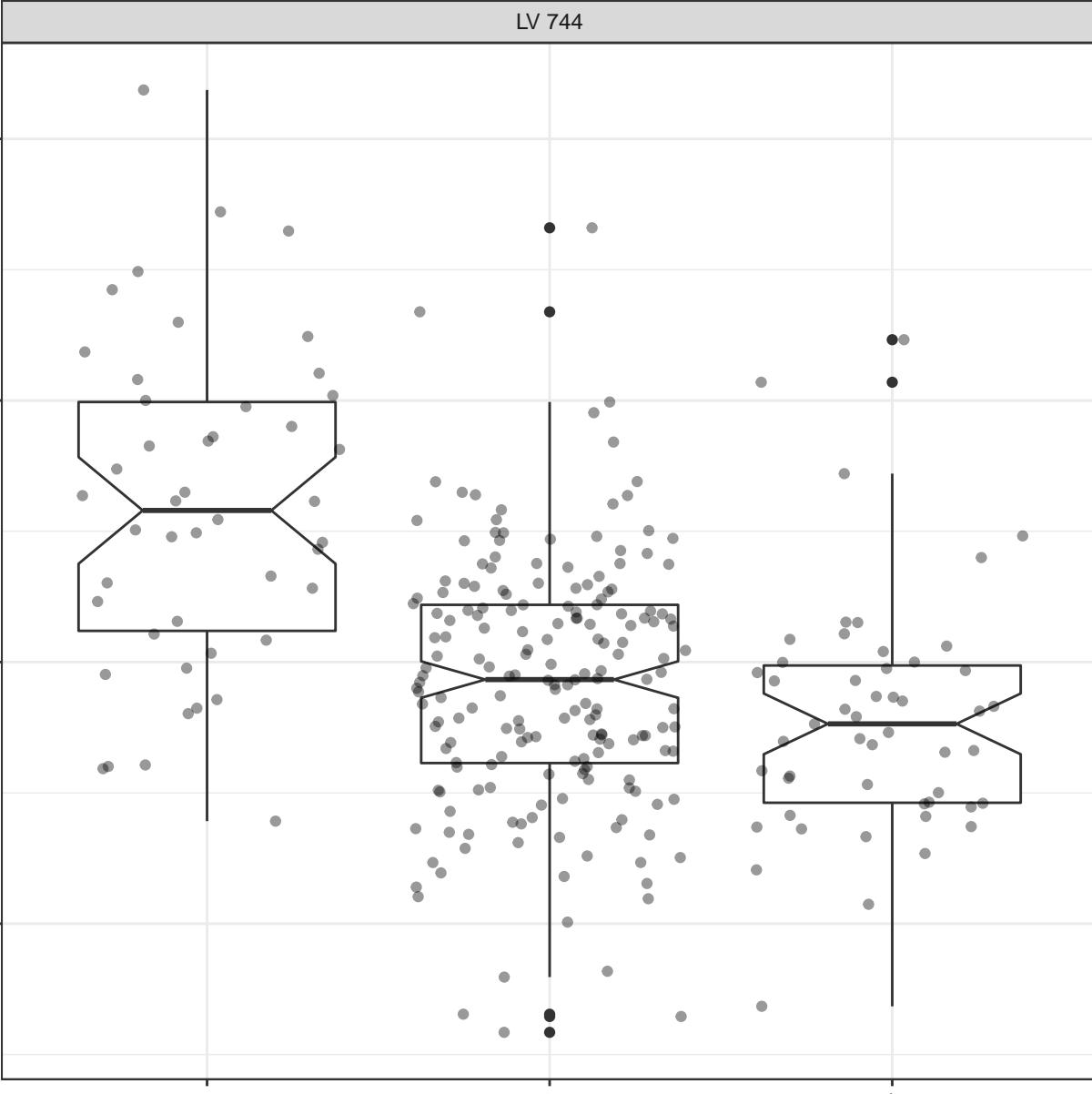
-0.05

Group 3

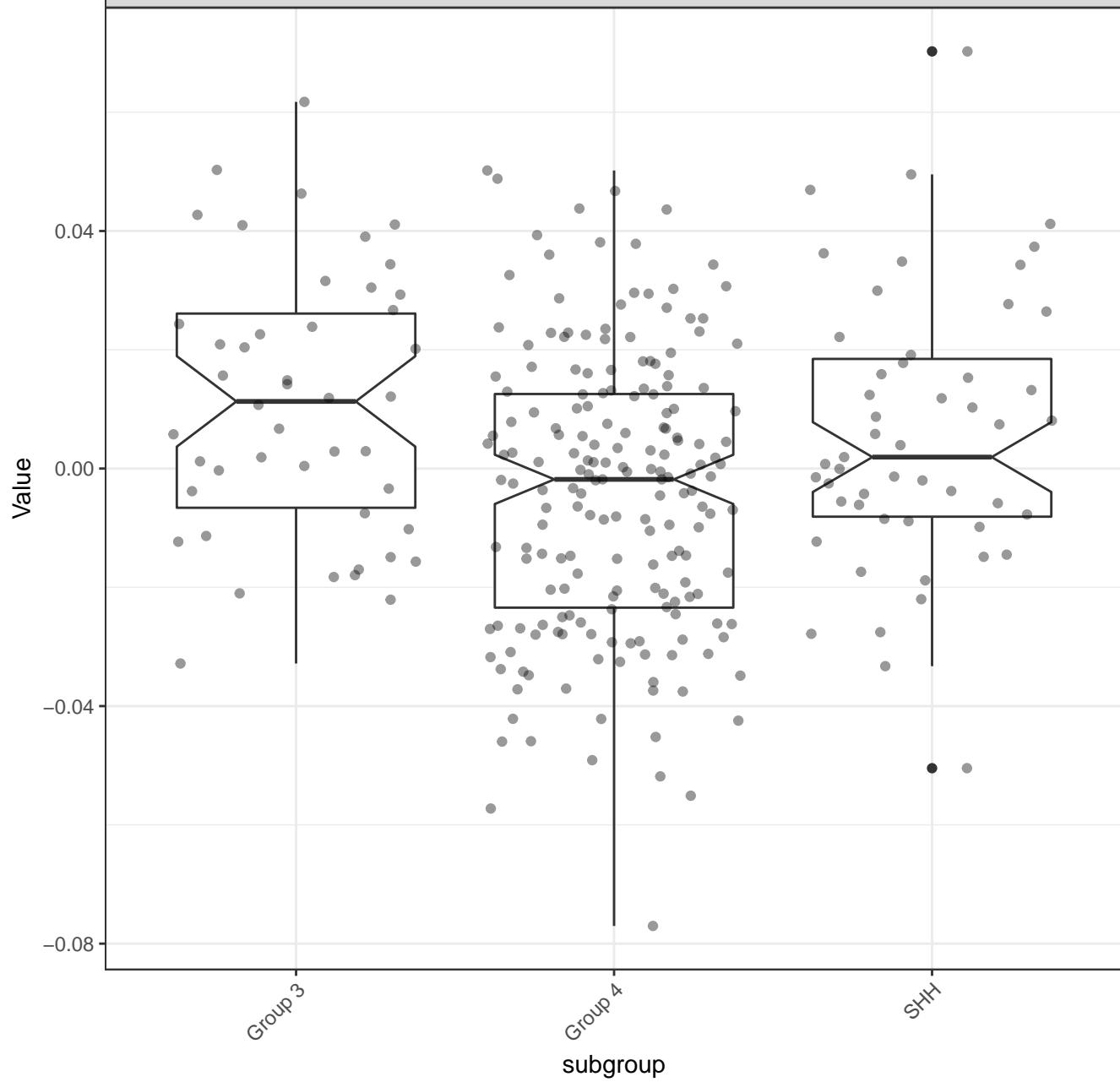
subgroup

Group 4

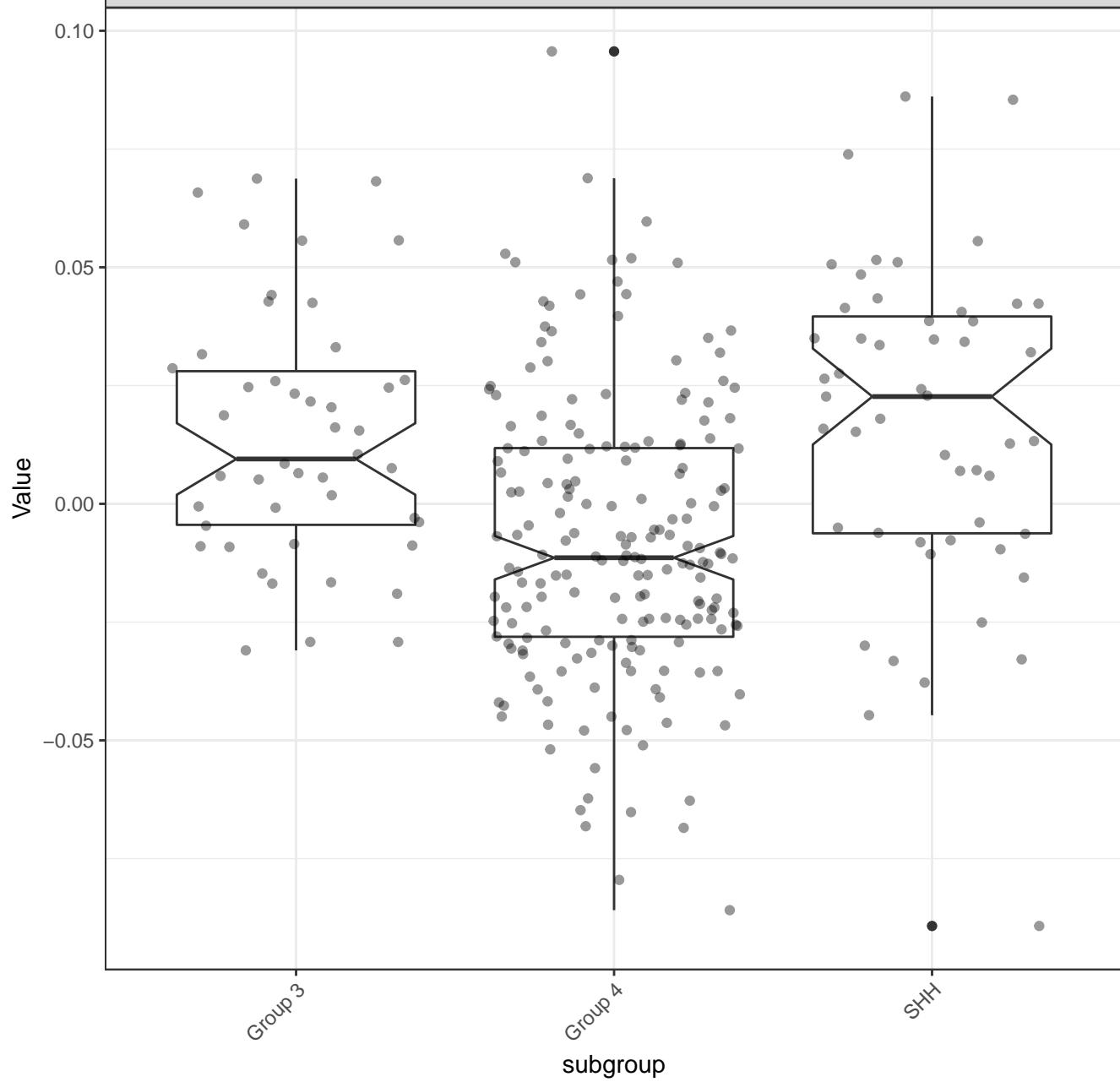
SHH



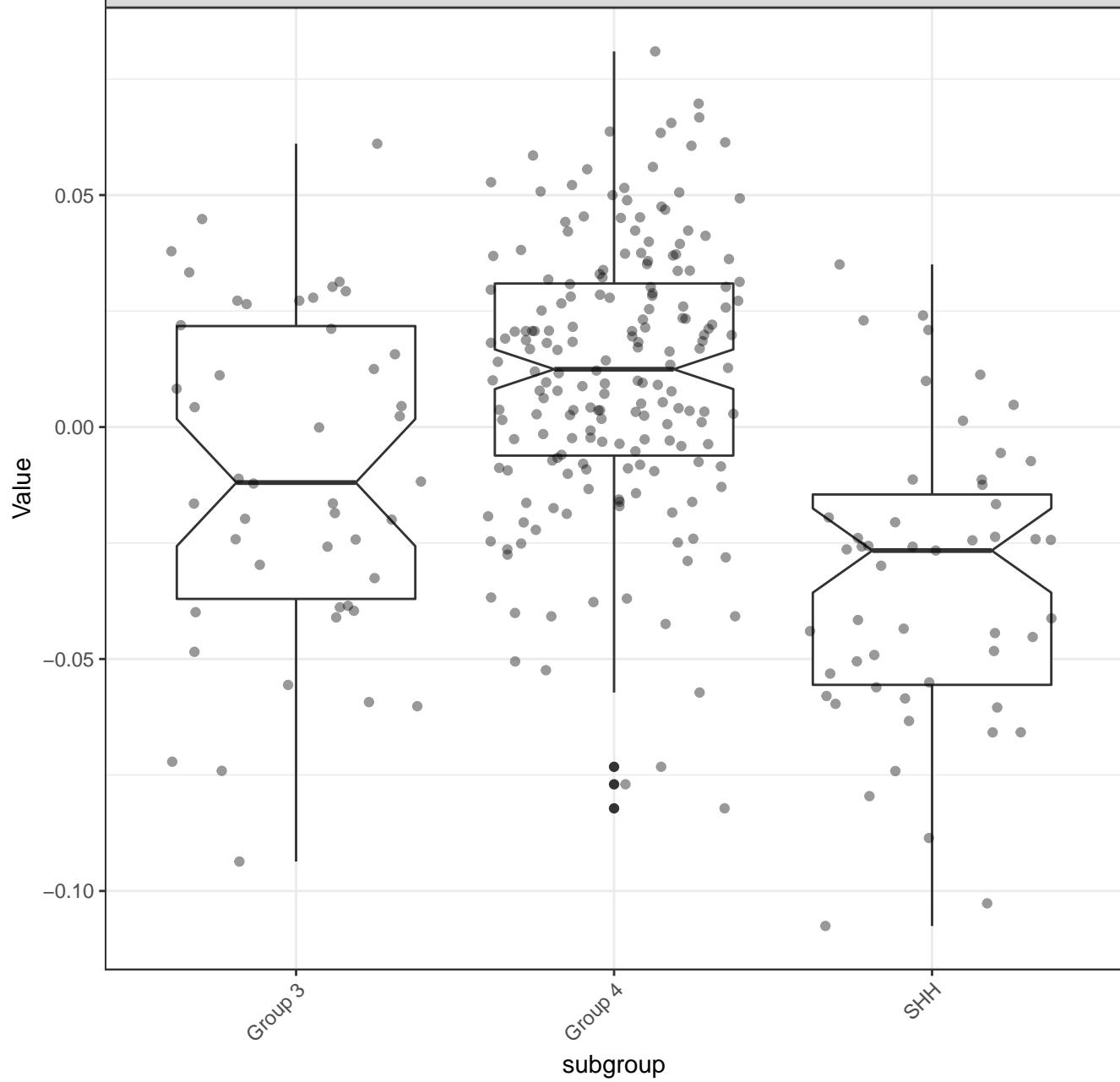
LV 745



LV 746

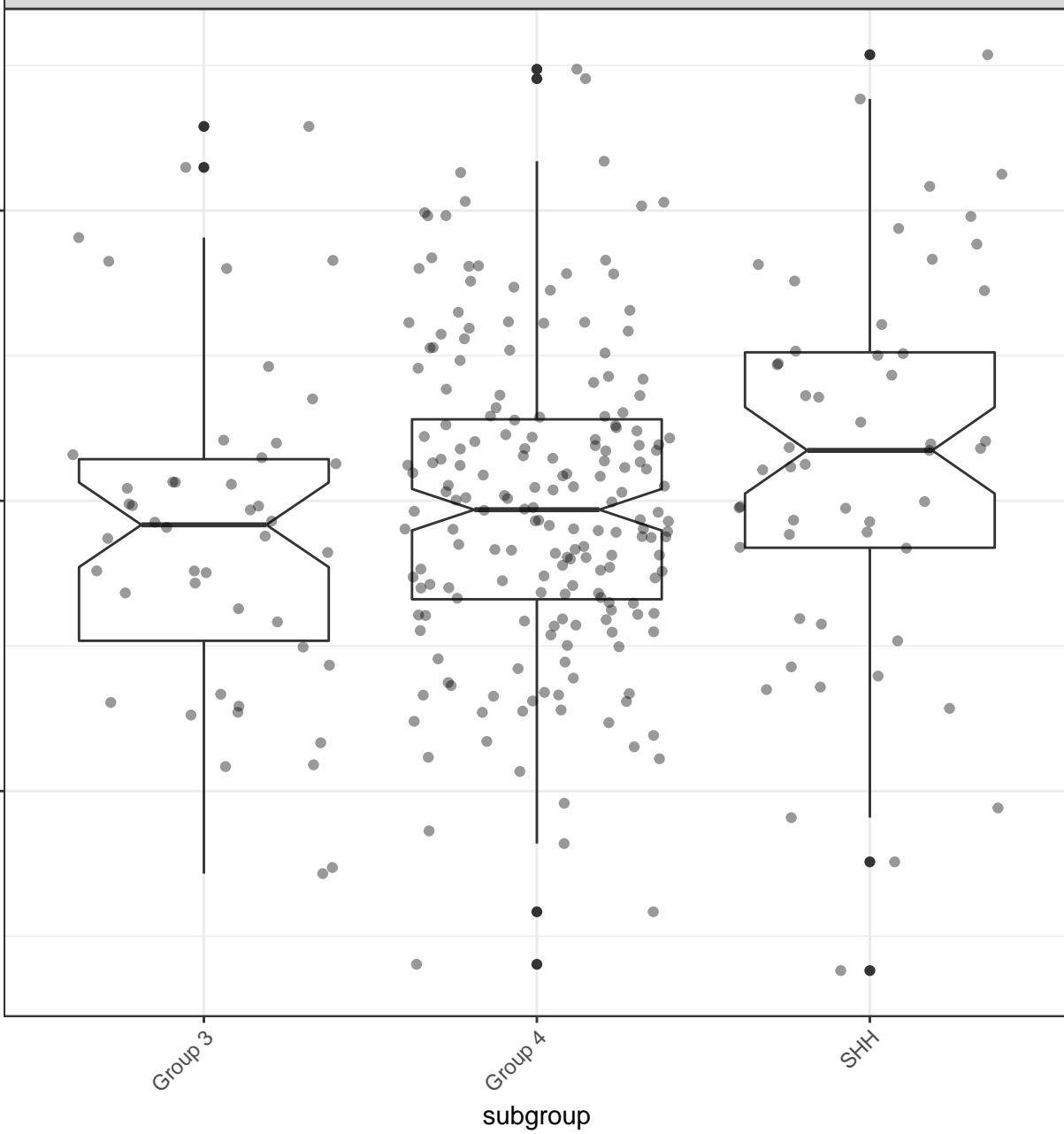


LV 747



LV 748

Value



LV 749

Value

0.10

0.05

0.00

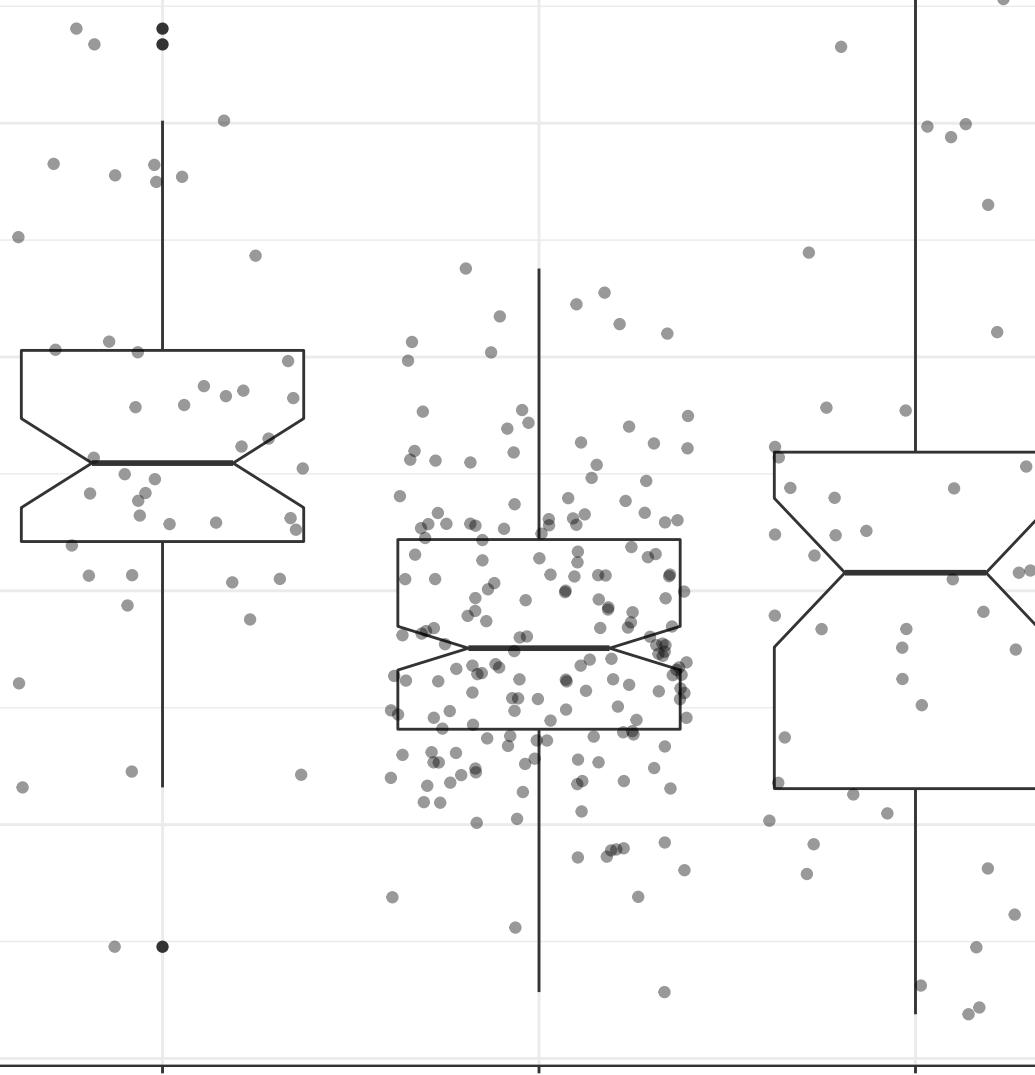
-0.05

-0.10

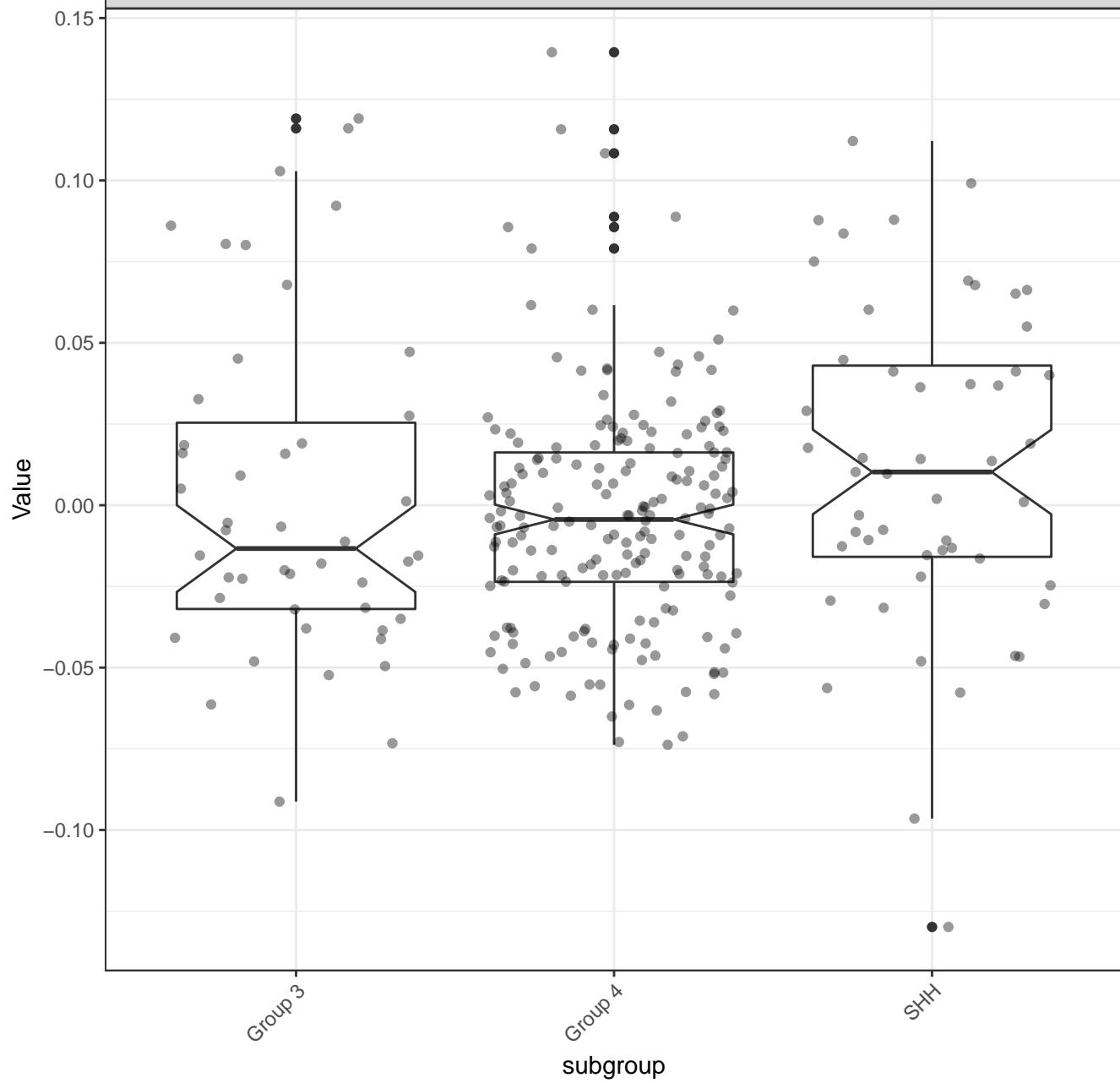
Group₃Group₄

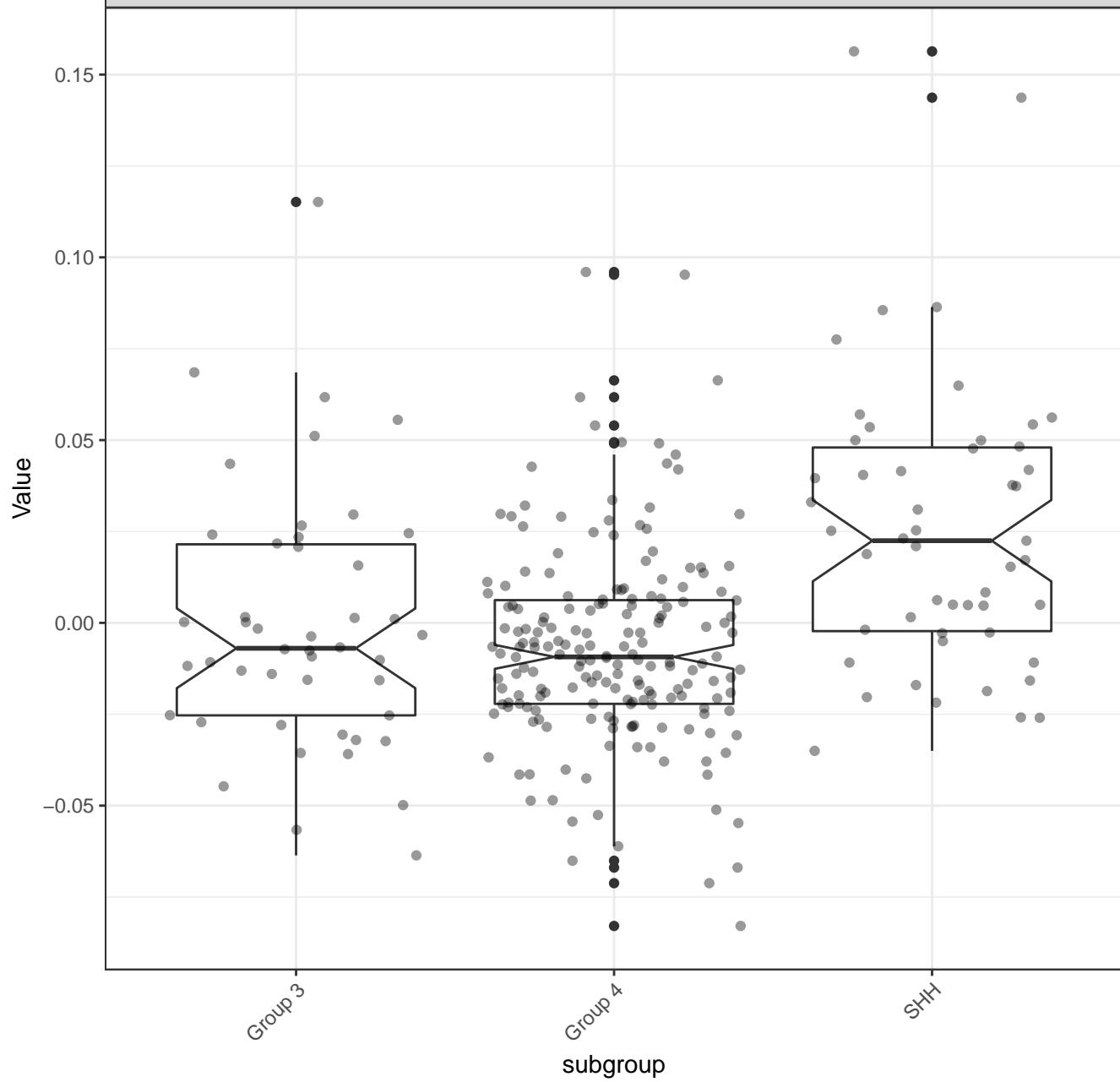
SHH

subgroup

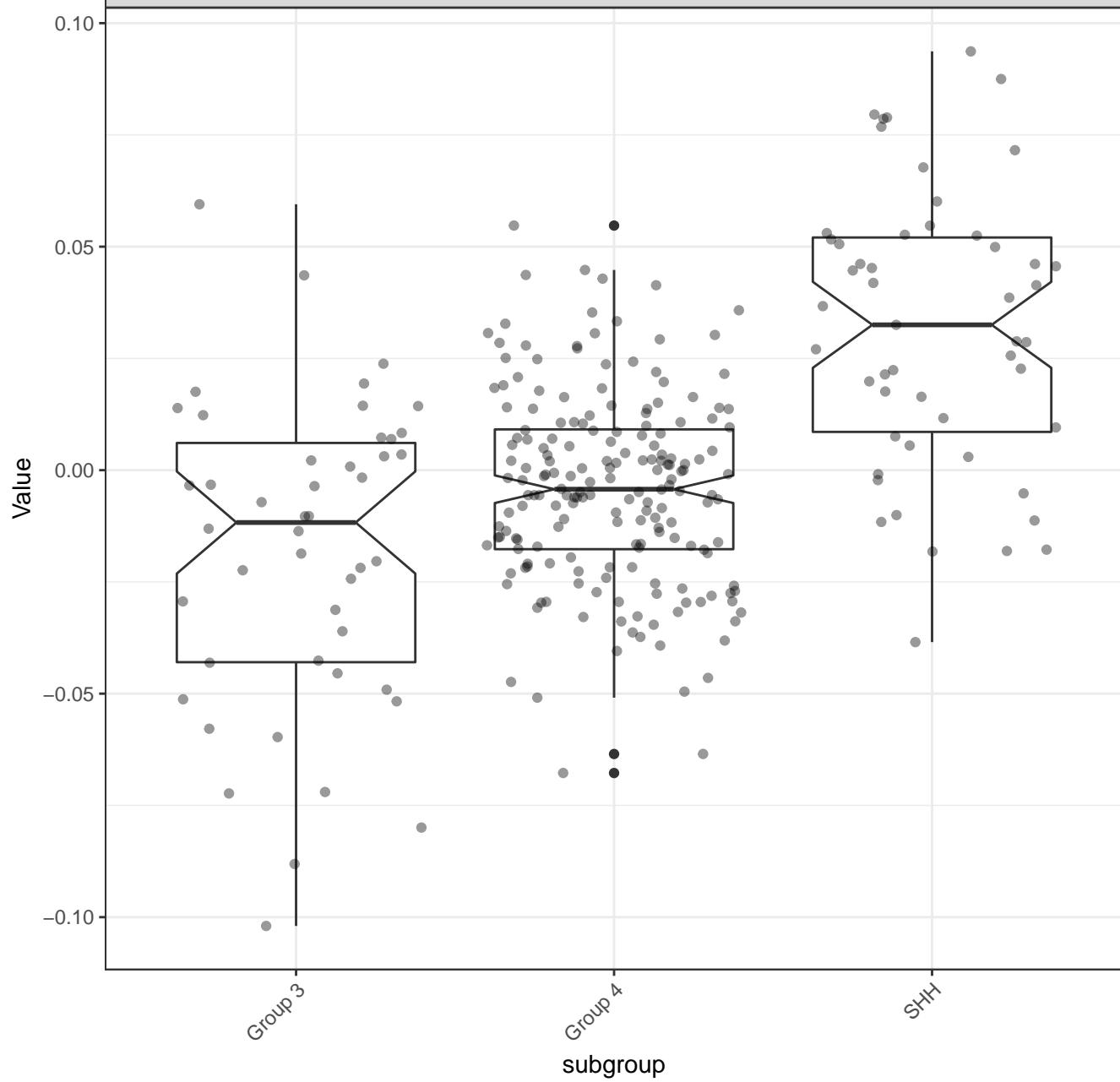


750,KEGG_RIBOSOME

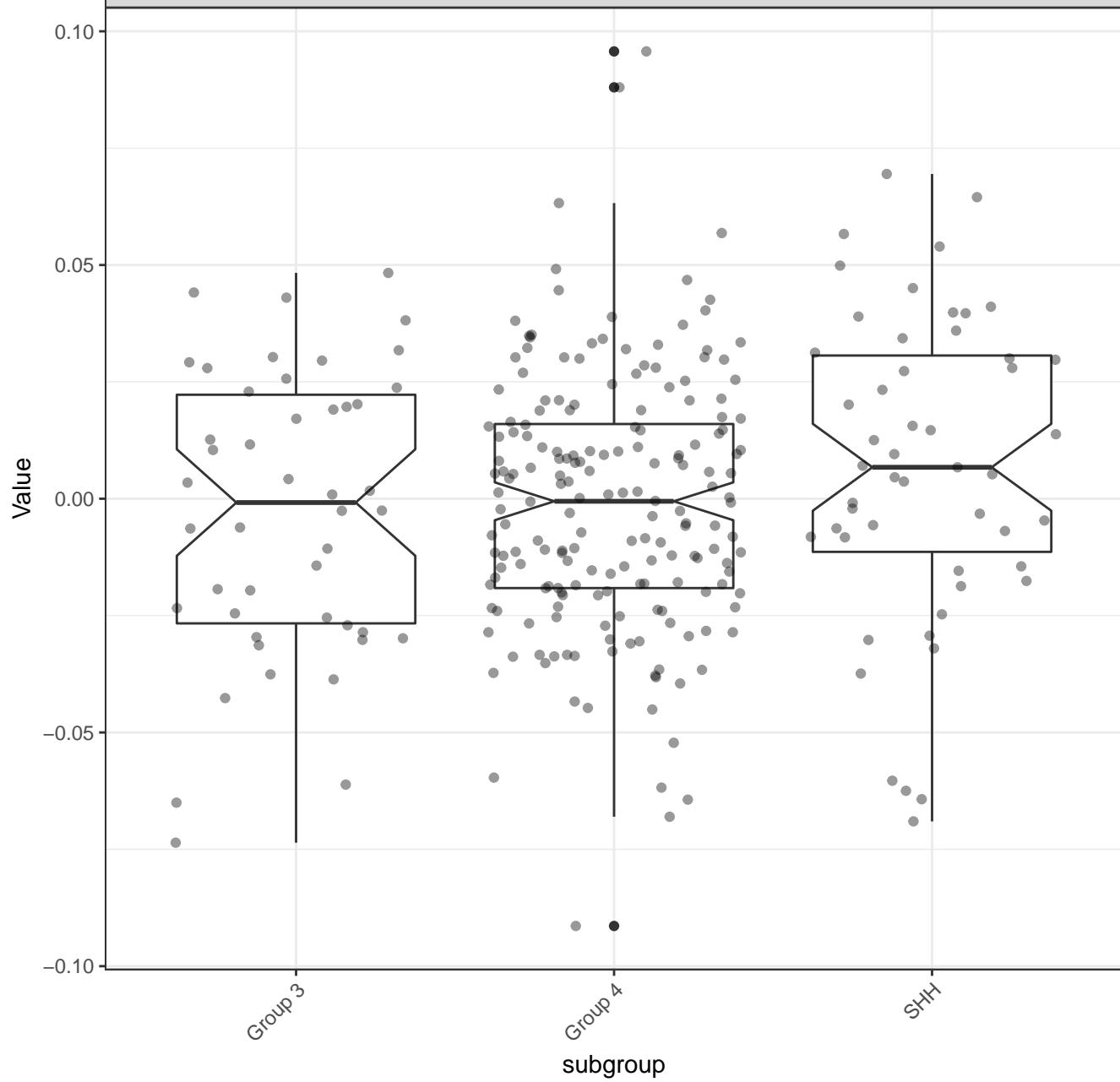




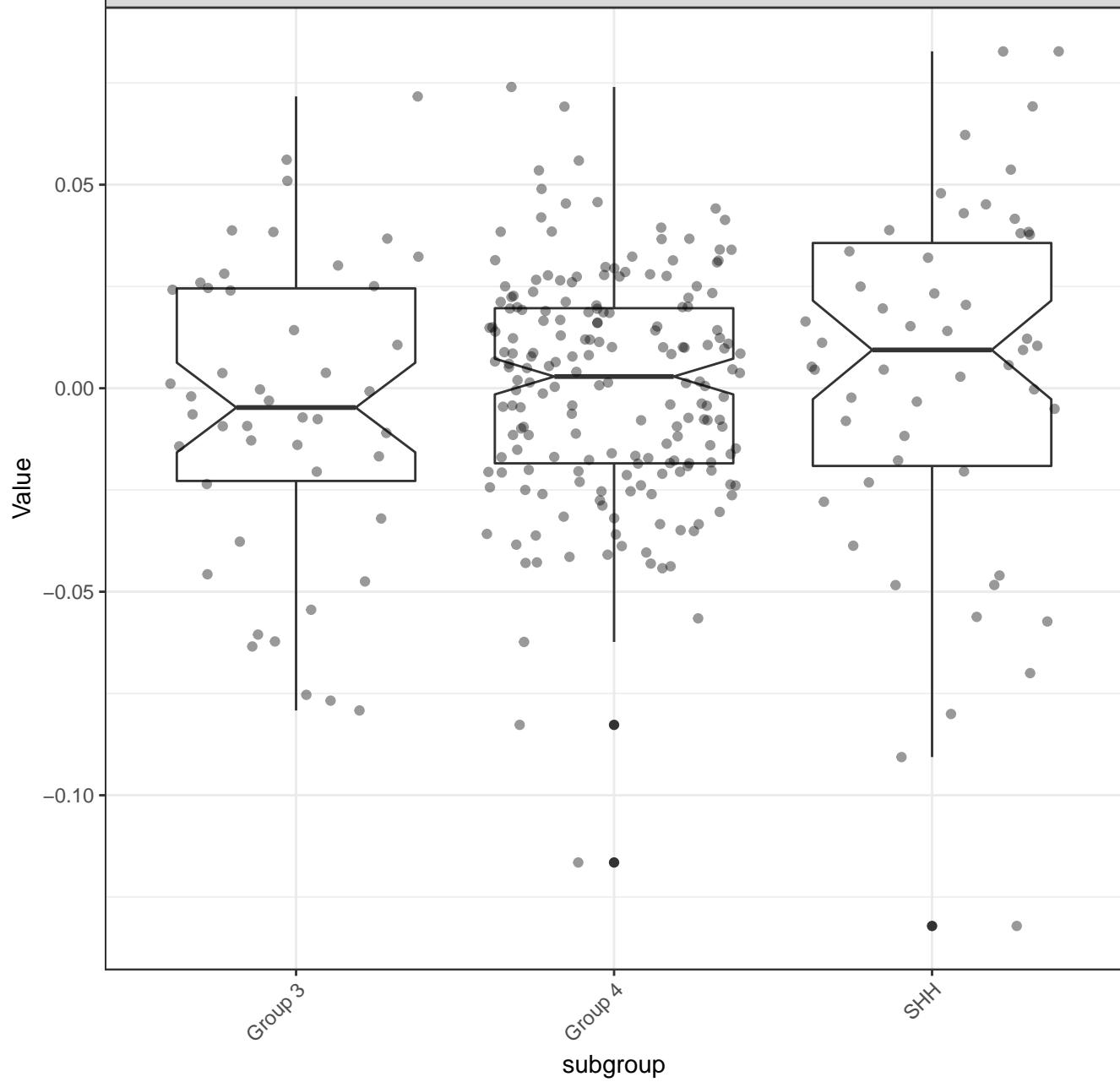
LV 752



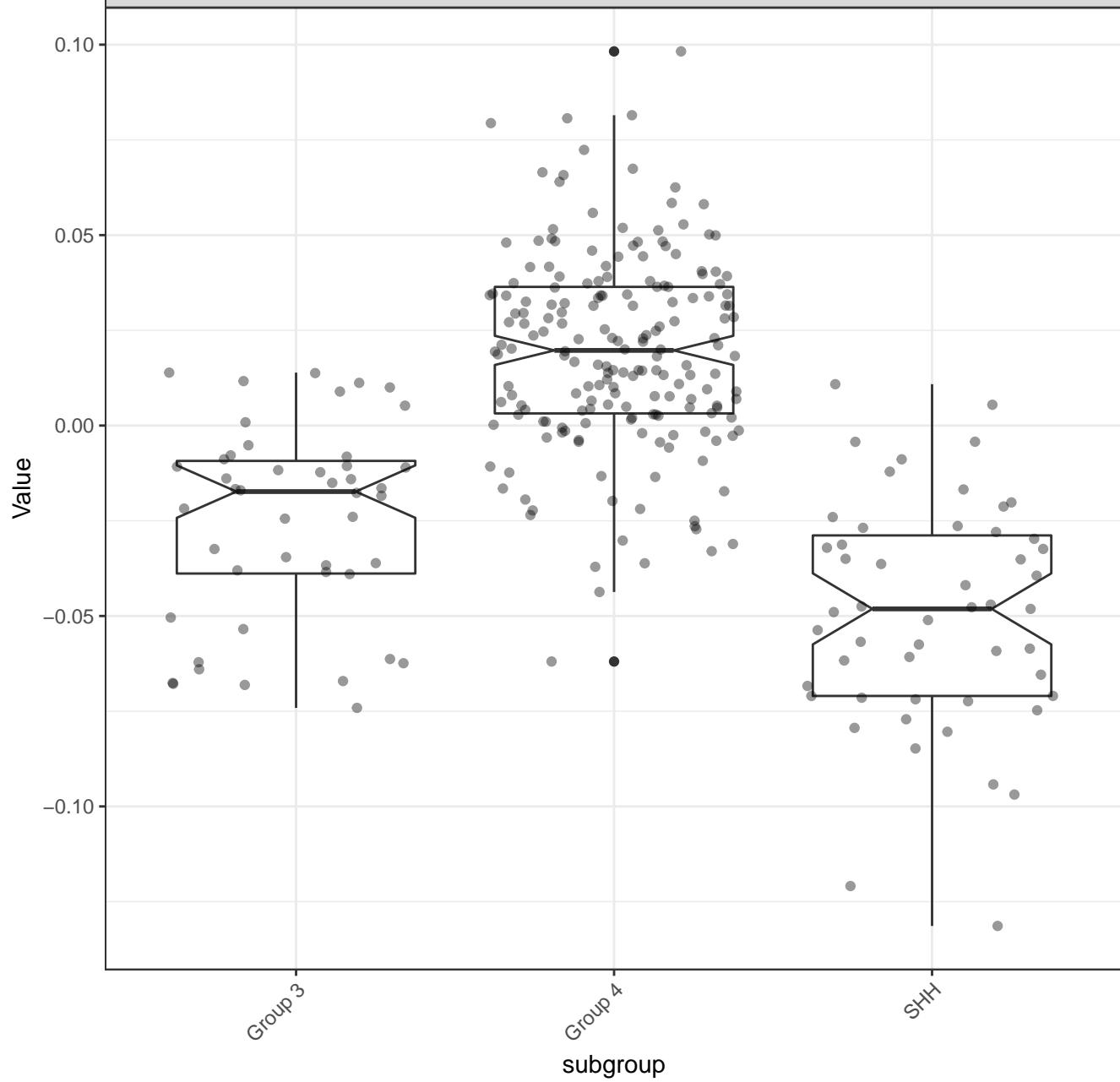
LV 753



LV 754



LV 755



LV 756

Value

0.05

0.00

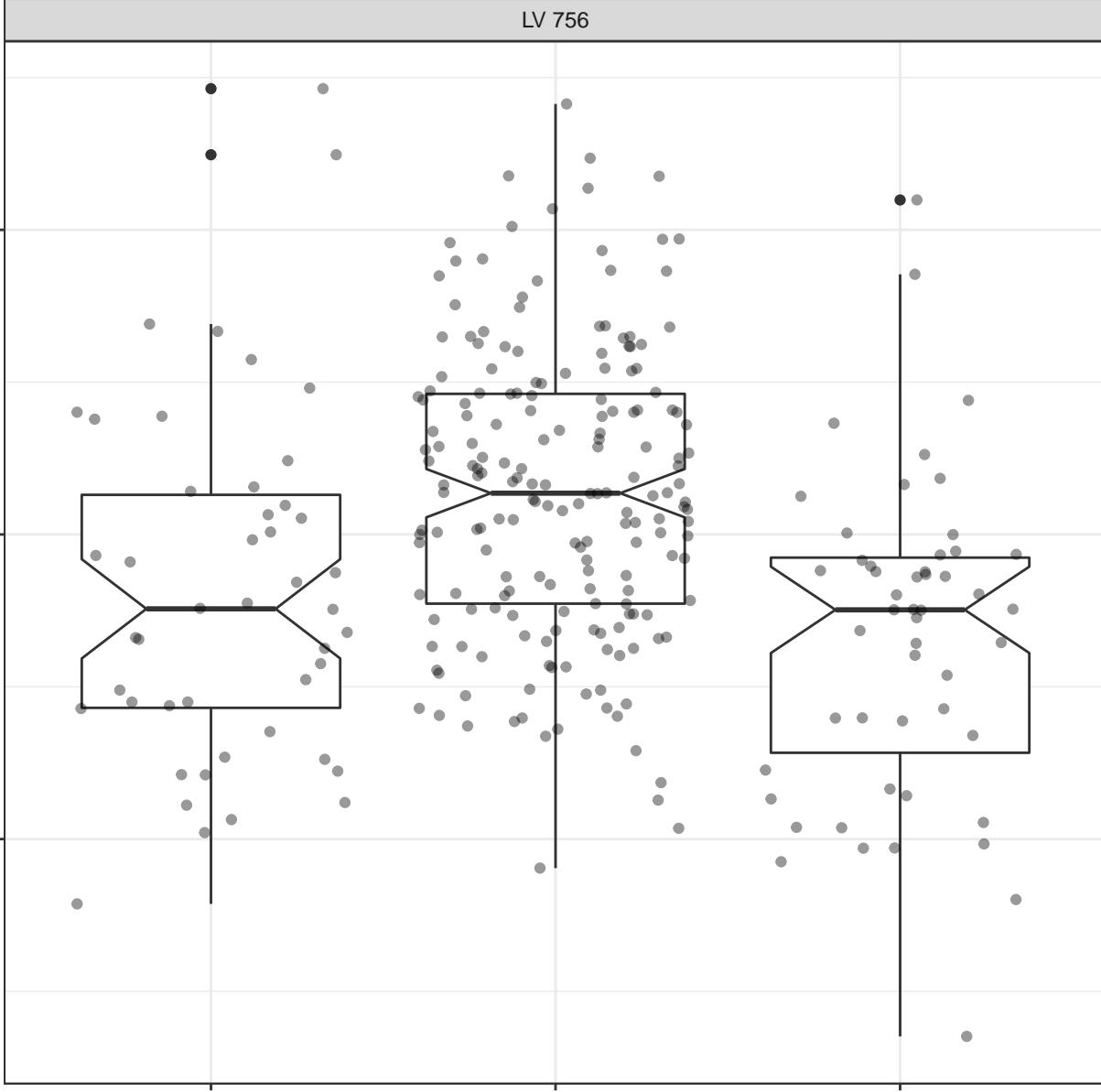
-0.05

Group 3

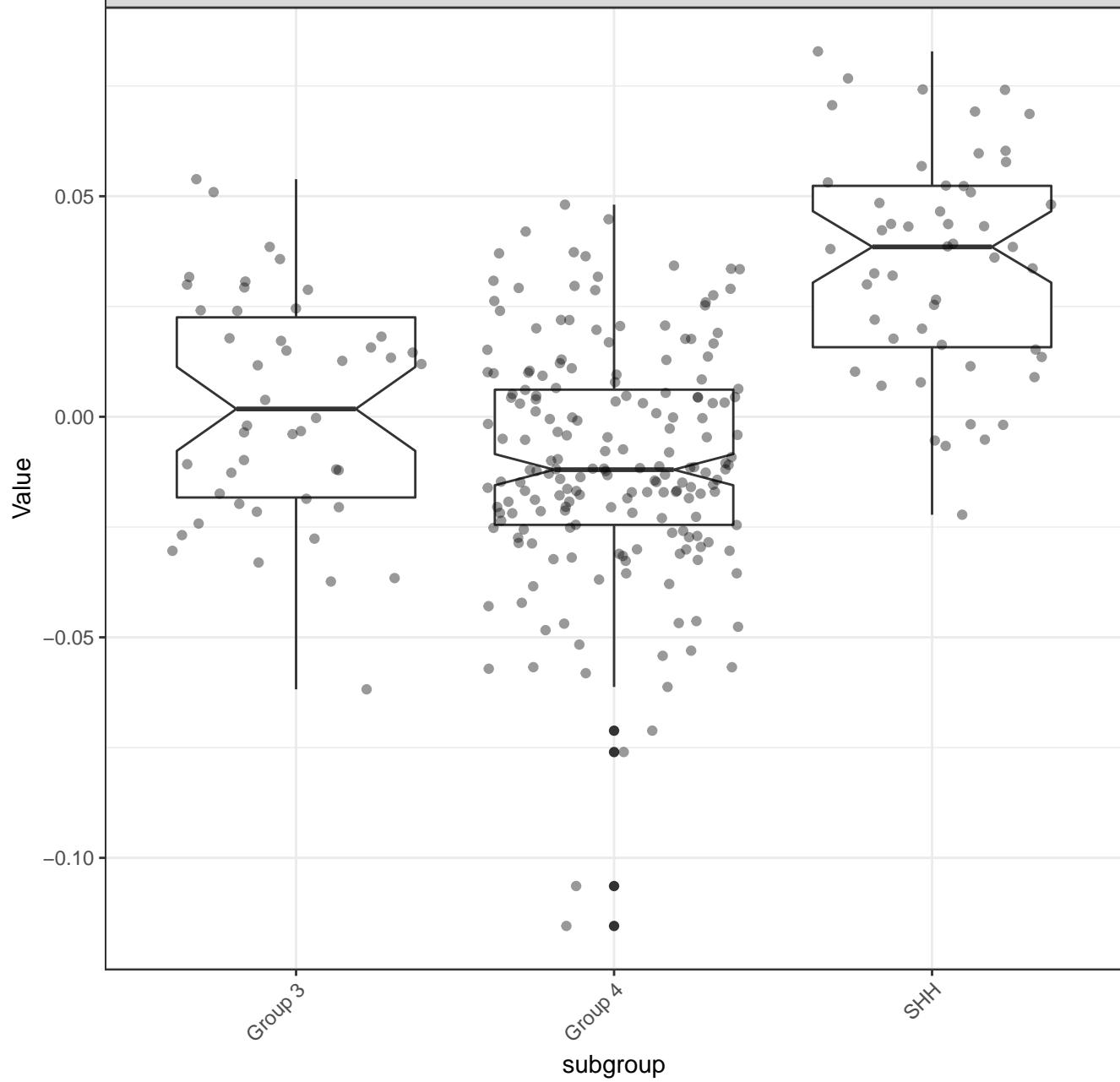
subgroup

Group 4

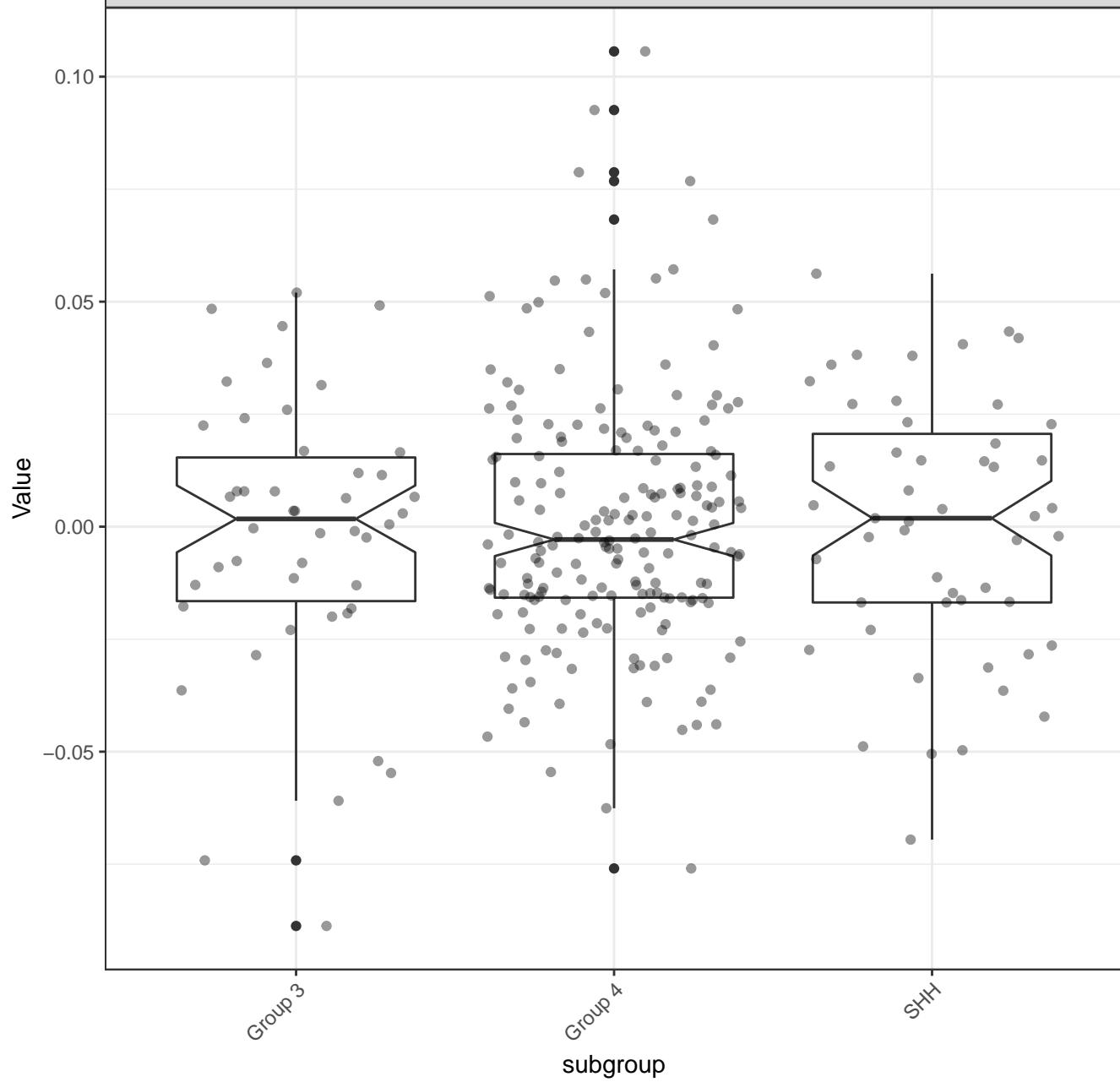
SHH



LV 757



LV 758



LV 759

Value

0.10

0.05

0.00

-0.05

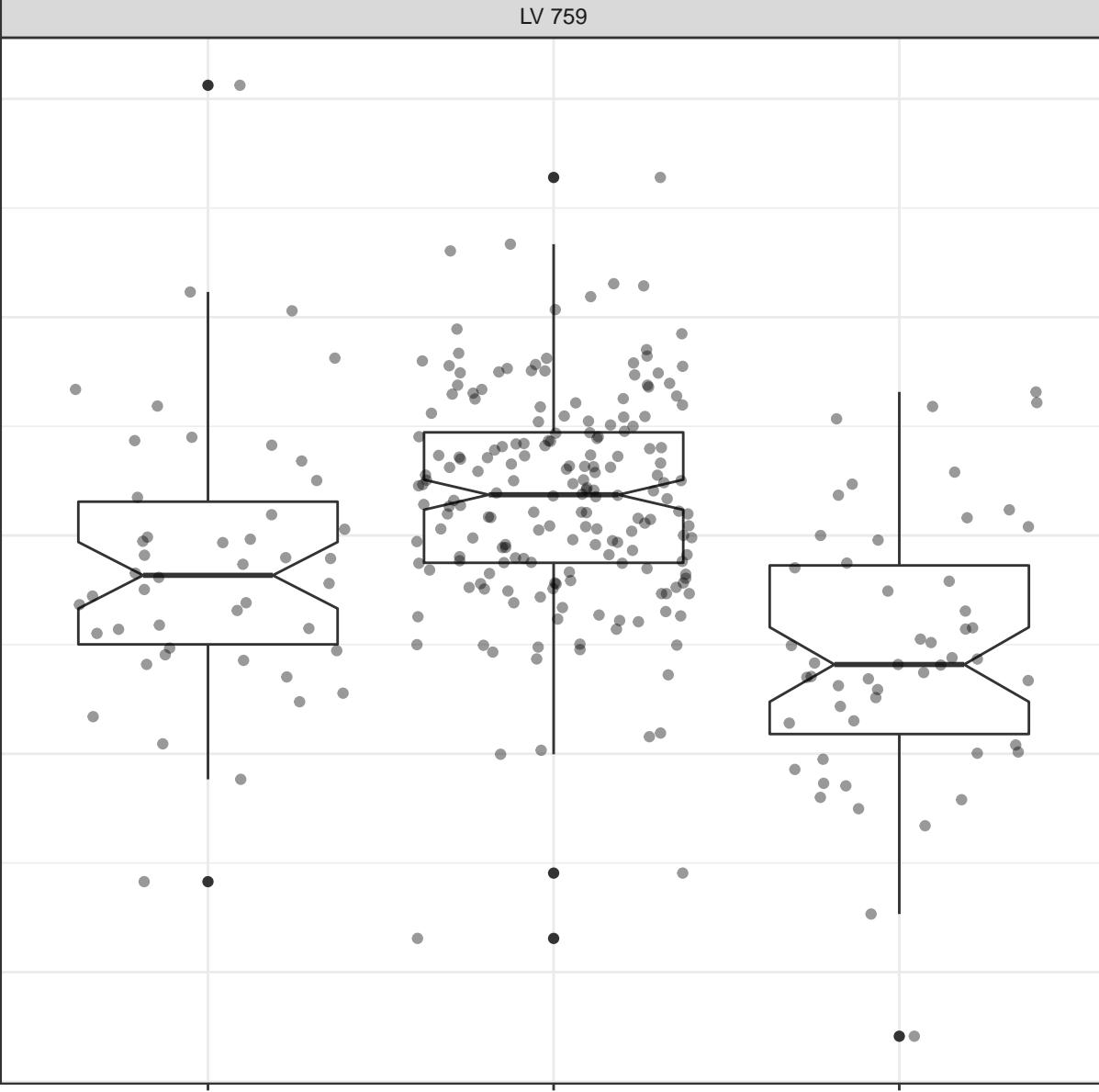
-0.10

Group 3

subgroup

Group 4

SHH



LV 760

Value

0.05

0.00

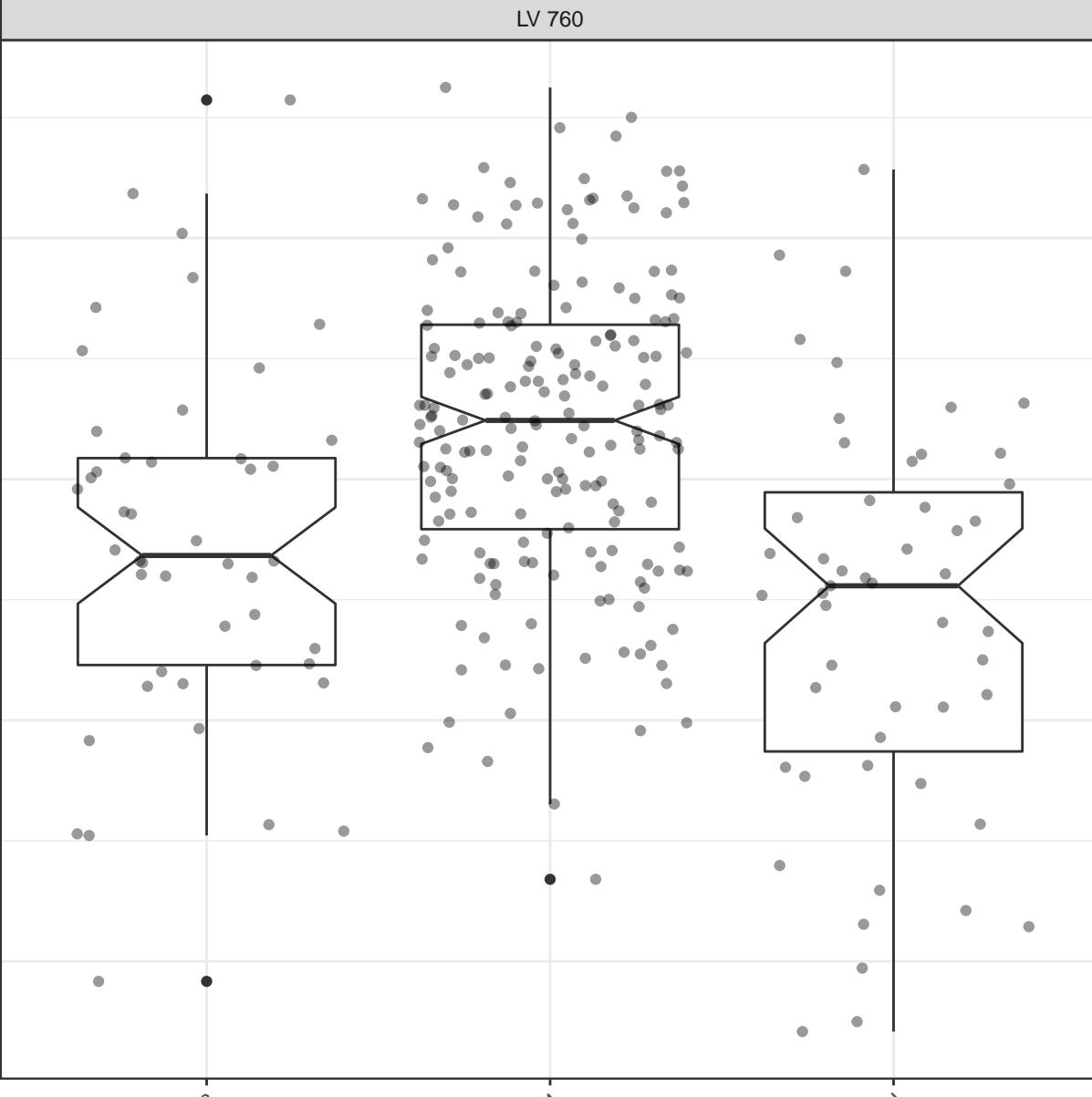
-0.05

-0.10

Group 3

subgroup

SHH



LV 761

Value

0.05

0.00

-0.05

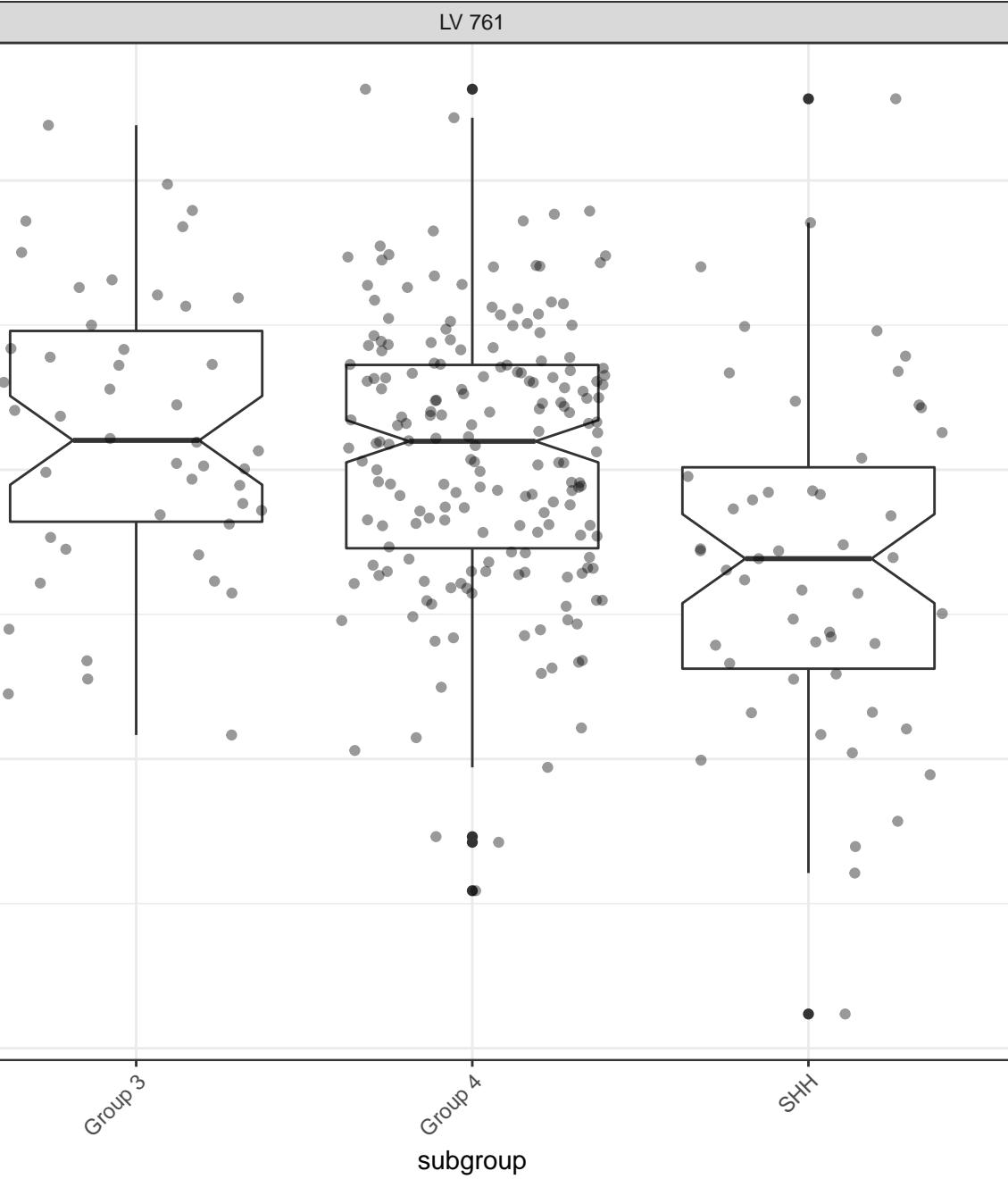
-0.10

Group 3

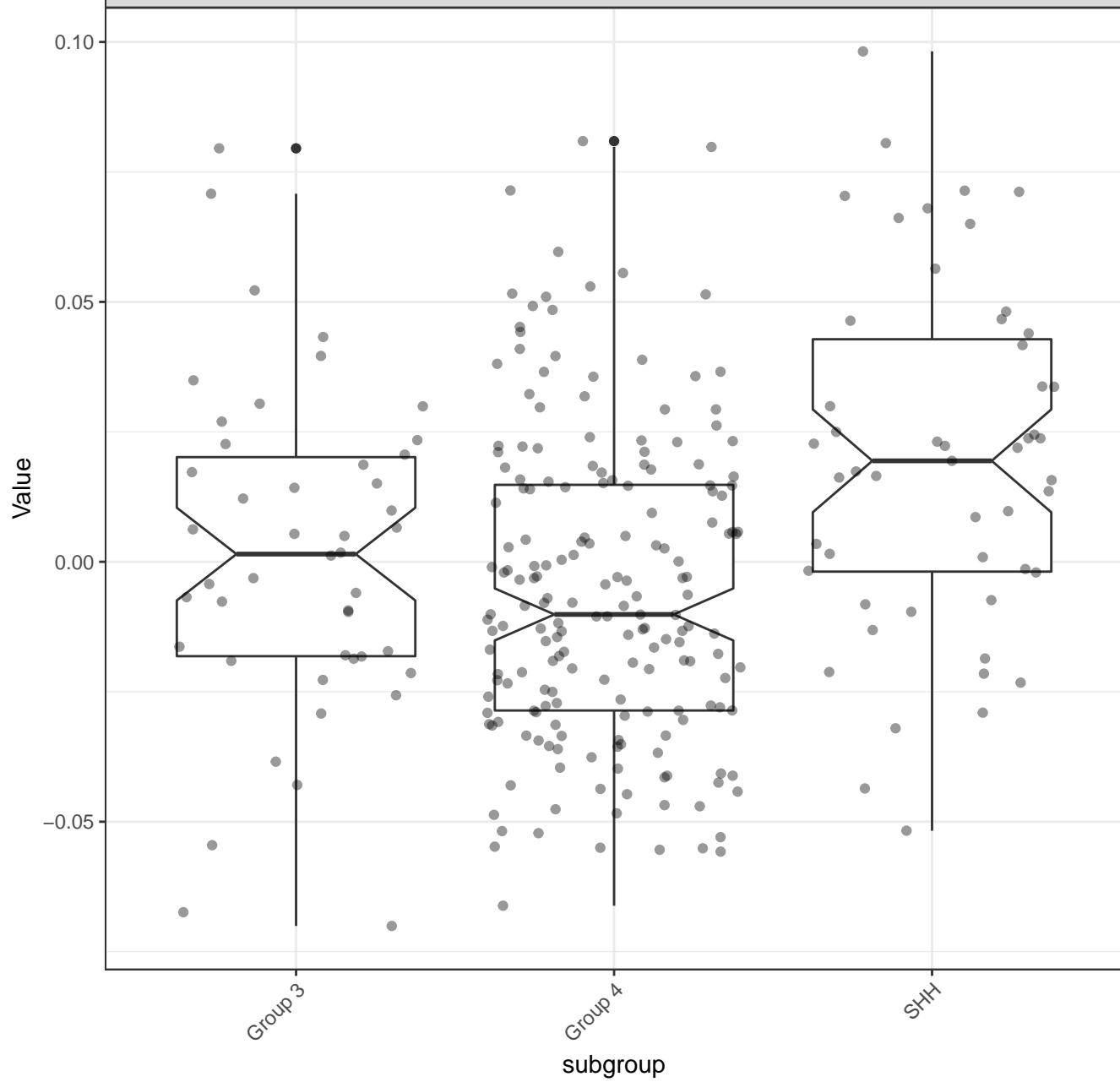
subgroup

Group 4

SHH



LV 762



LV 763

Value

0.05

0.00

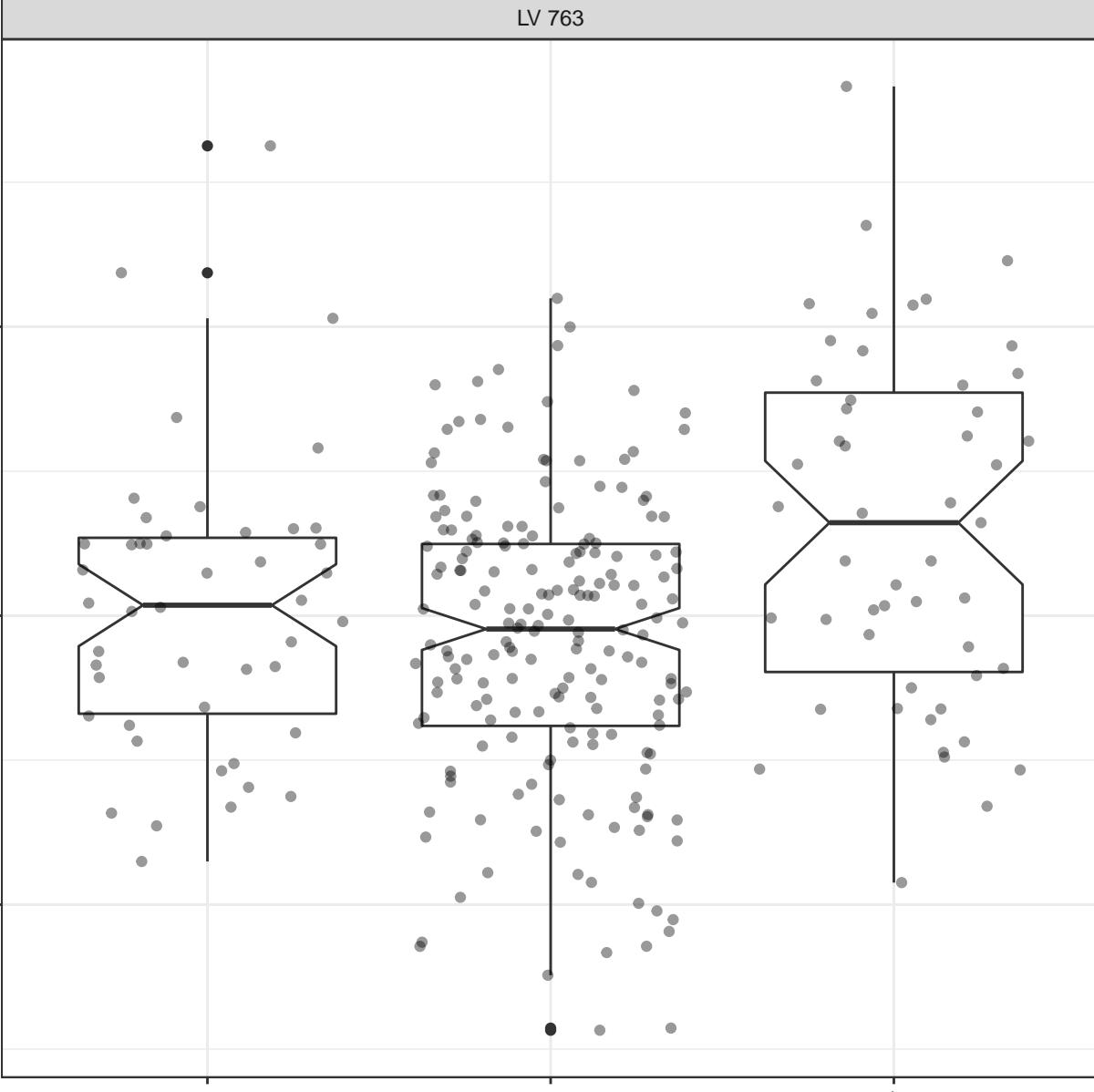
-0.05

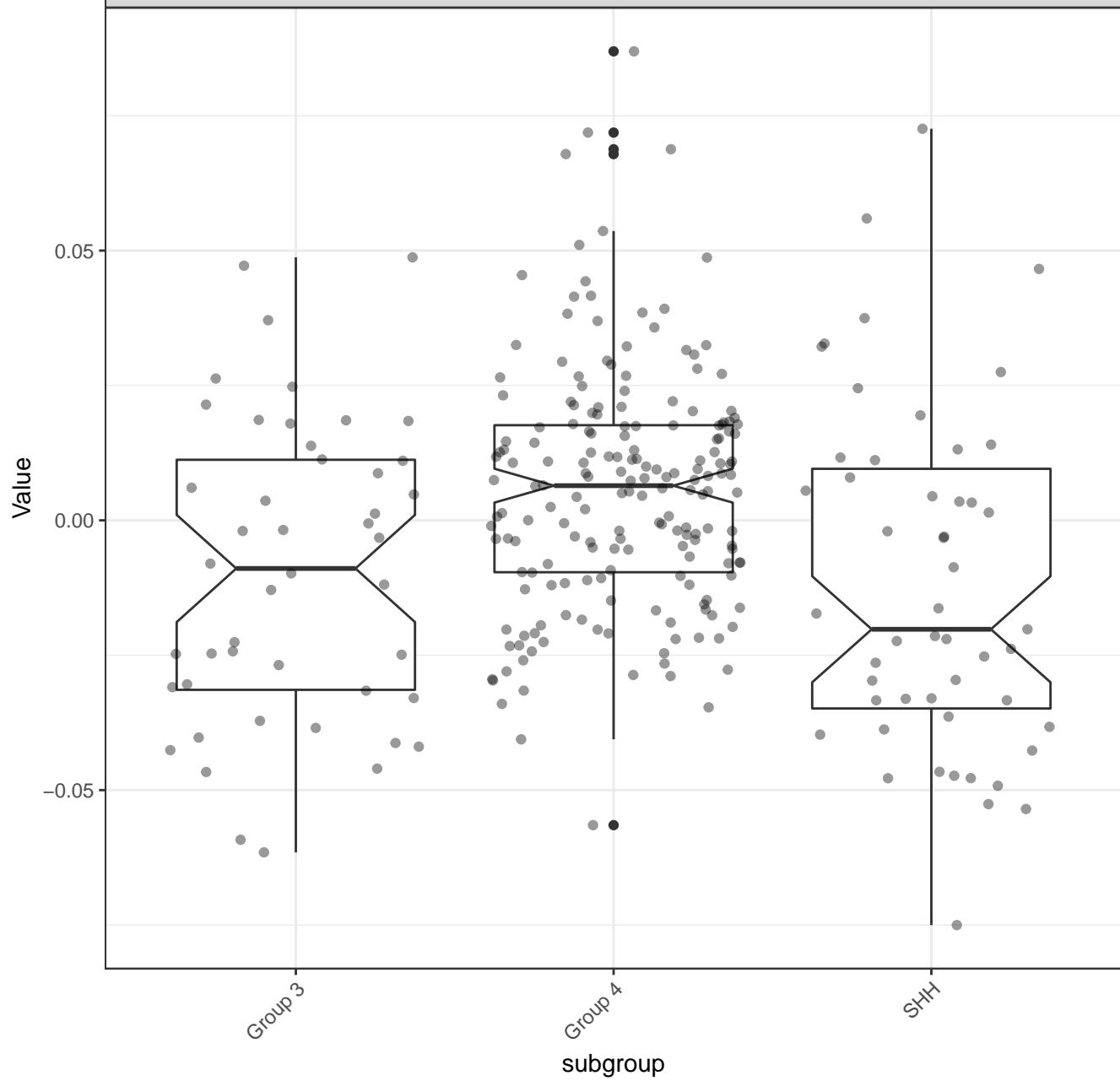
Group 3

subgroup

Group 4

SHH





765,SVM NK cells resting

Value

0.10

0.05

0.00

-0.05

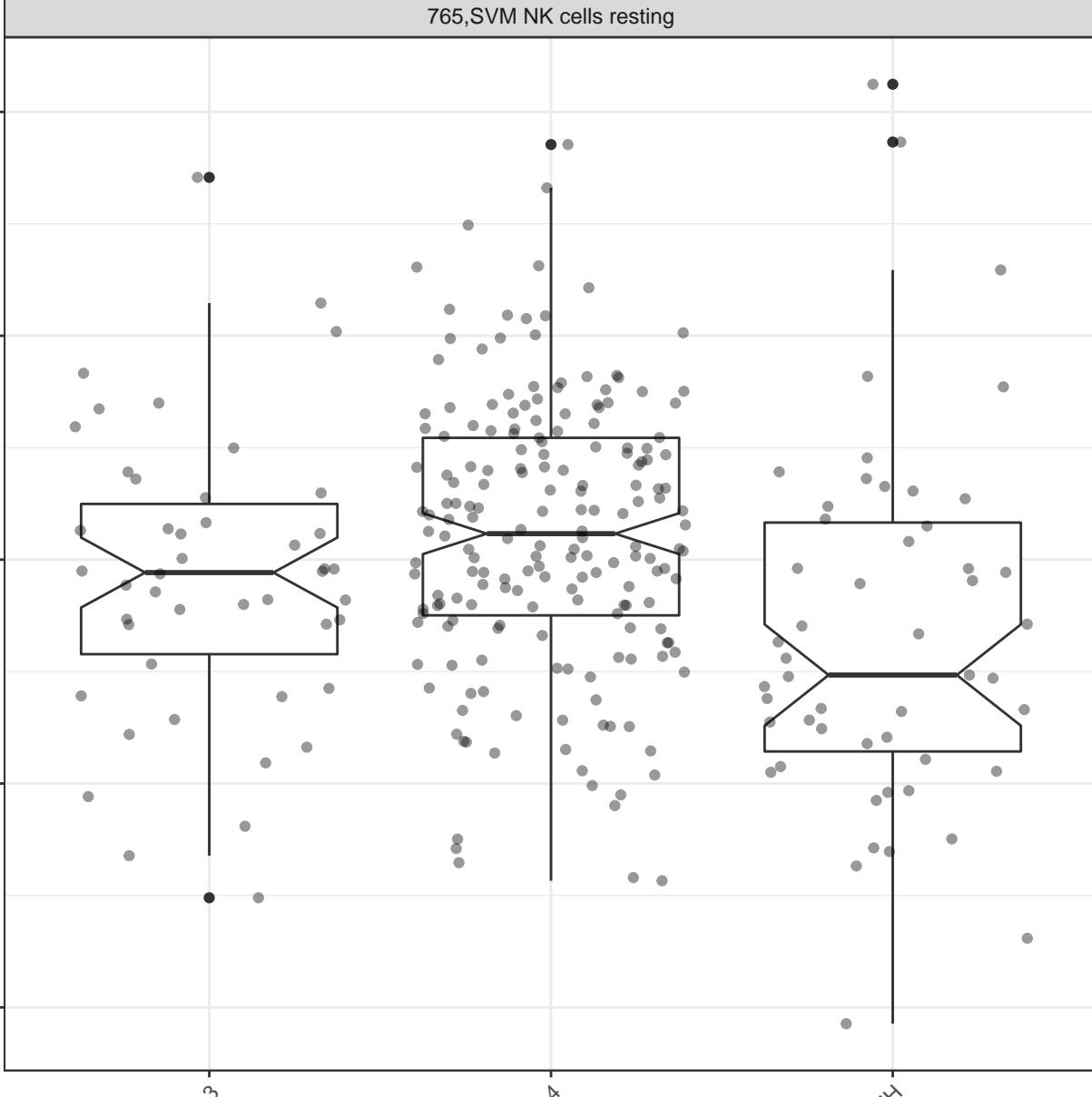
-0.10

Group 3

Group 4

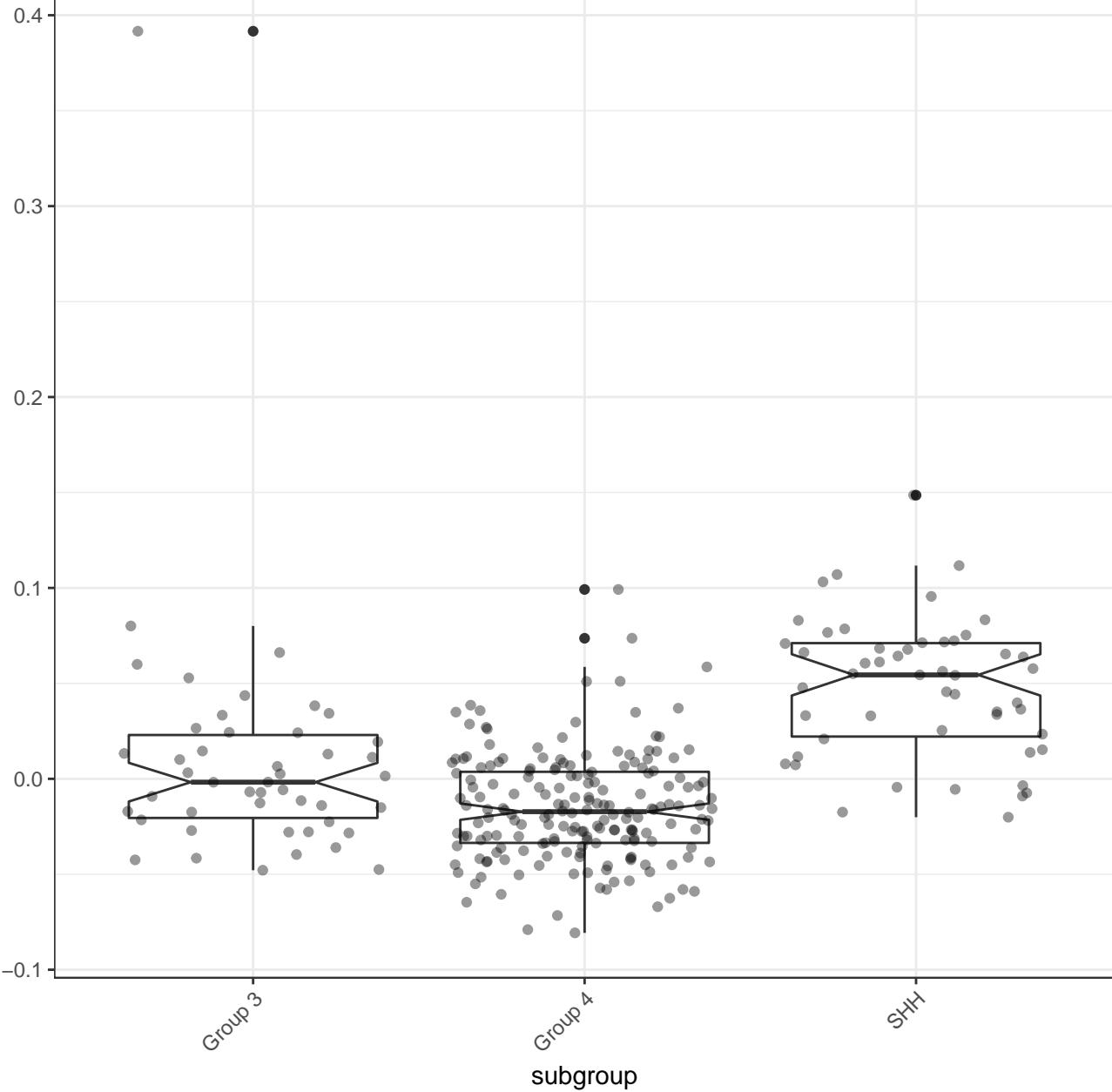
SHH

subgroup



766,KEGG_DILATED_CARDIOMYOPATHY

Vvalue



767,SVM B cells naive

Value

0.10

0.05

0.00

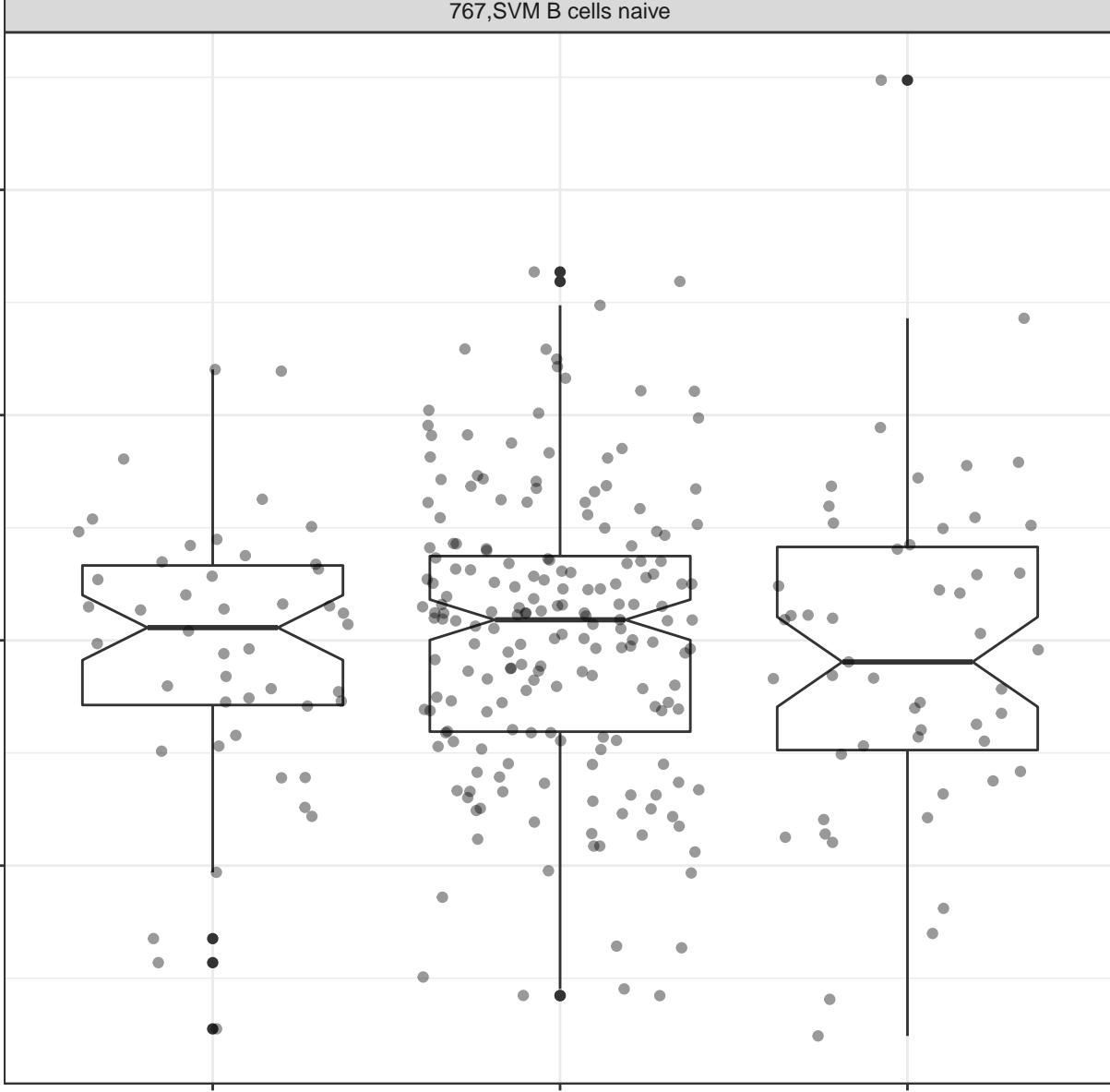
-0.05

Group 3

Group 4

SHH

subgroup



LV 768

Value

0.05

0.00

-0.05

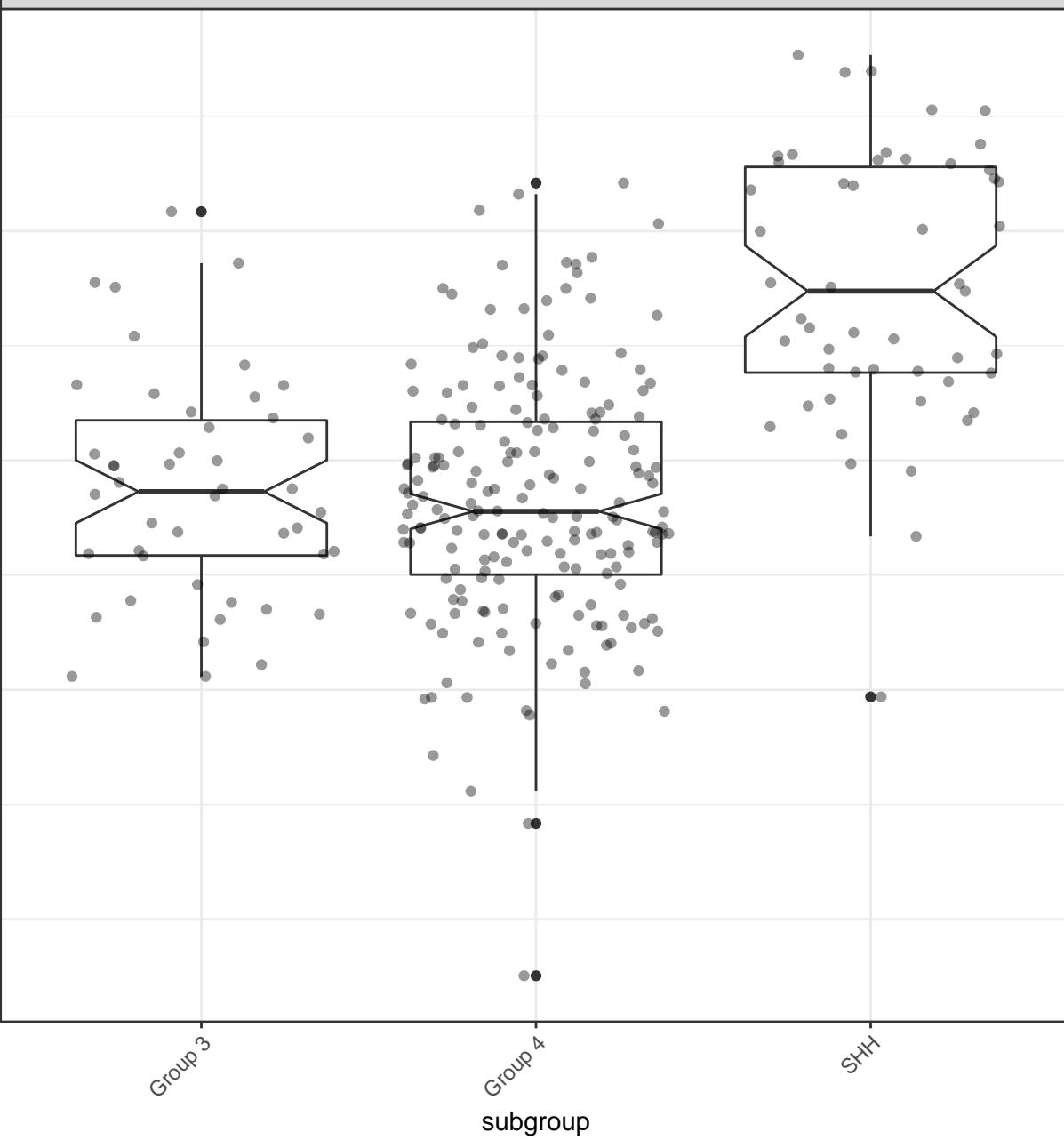
-0.10

Group 3

Group 4

SHH

subgroup



LV 769

Value

0.10

0.05

0.00

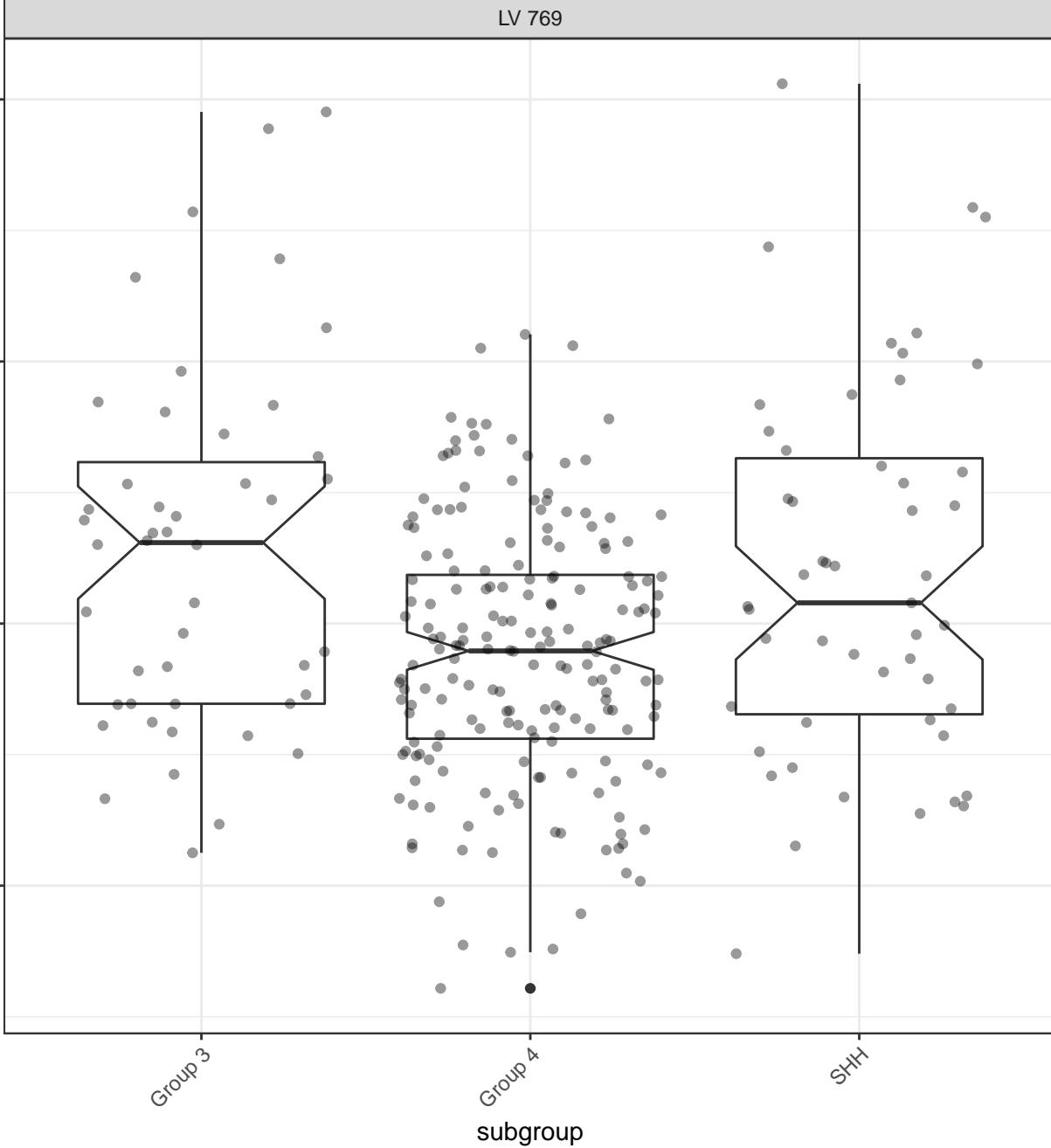
-0.05

Group 3

Group 4

SHH

subgroup



LV 770

Vvalue

0.10

0.05

0.00

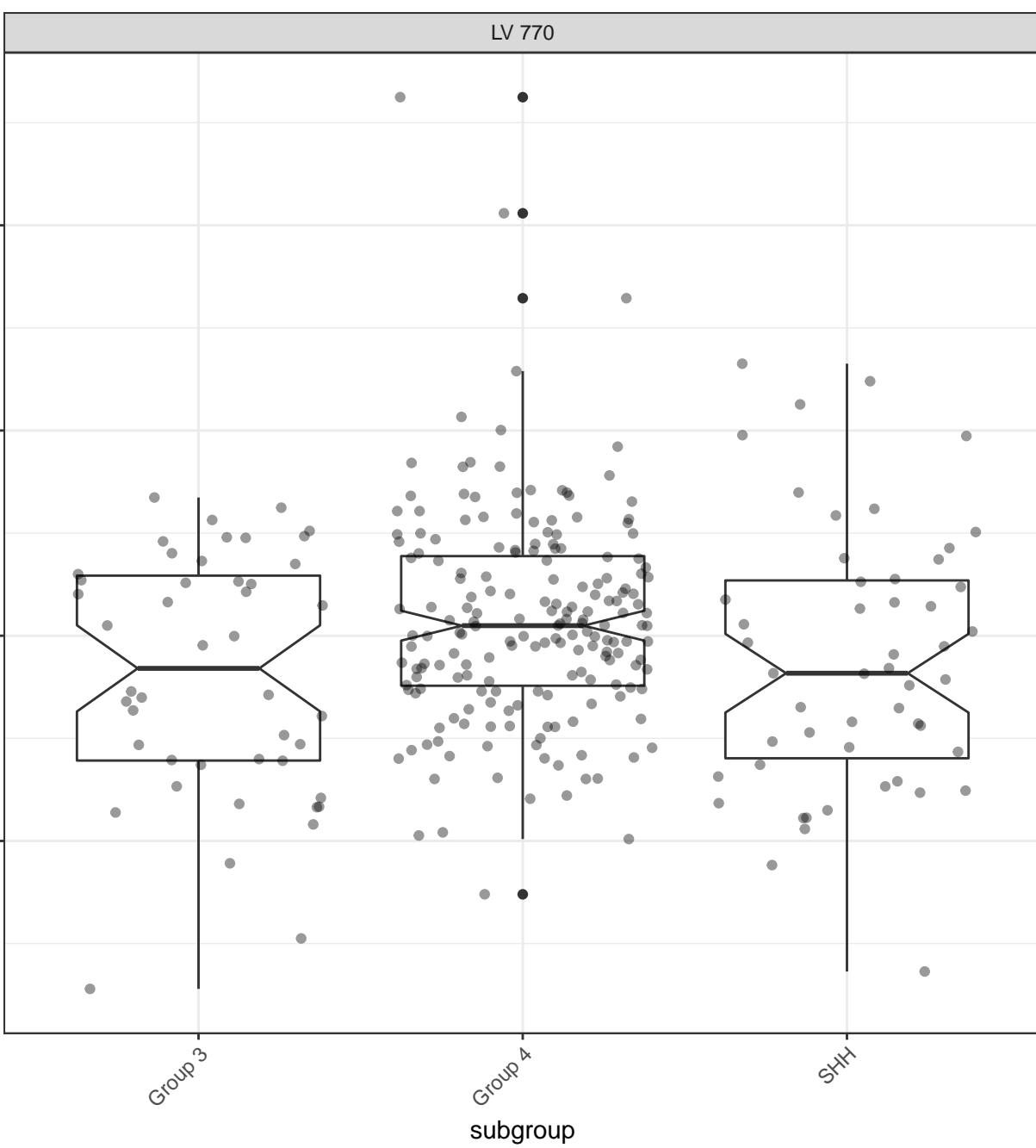
-0.05

Group 3

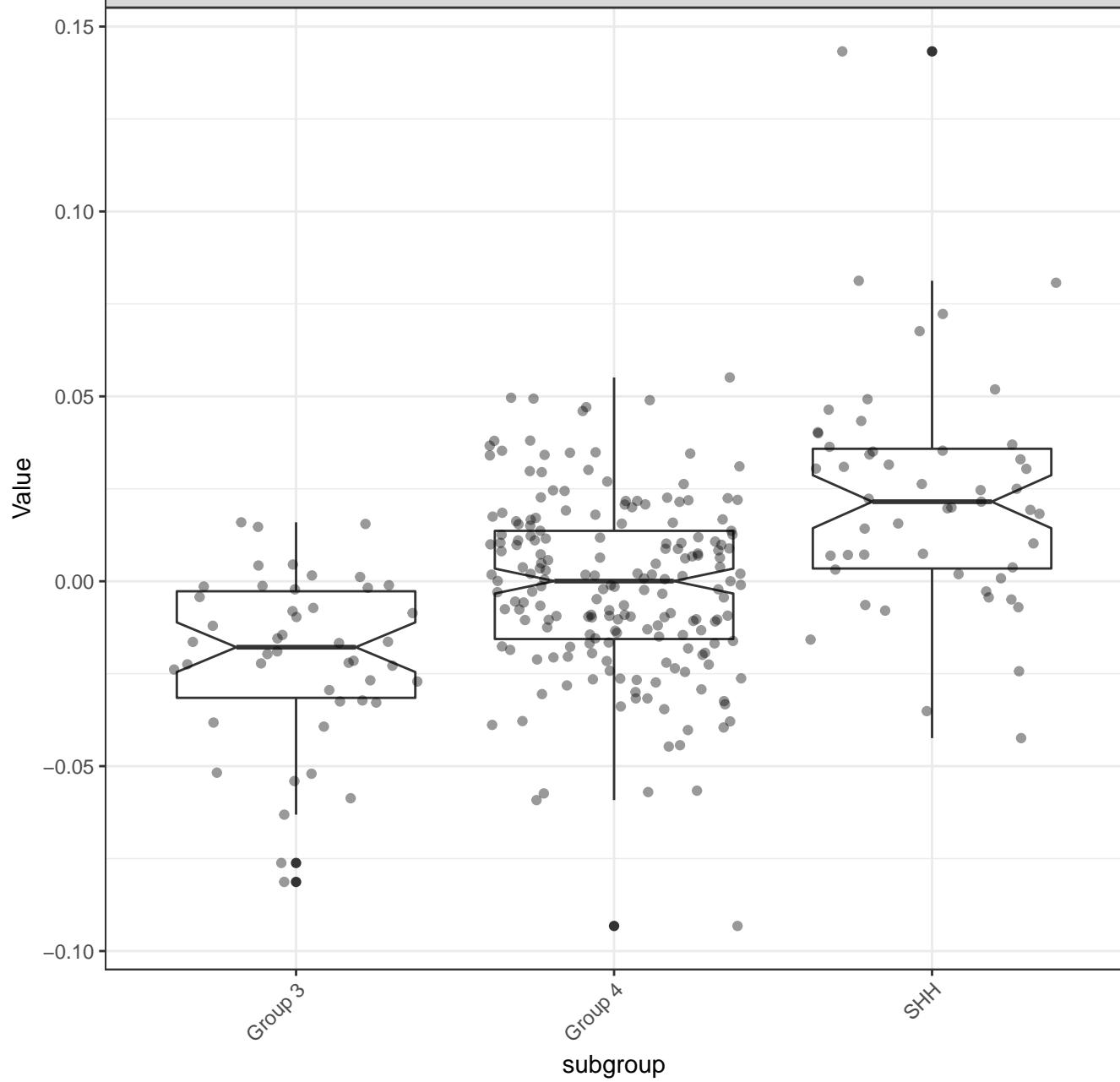
Group 4

SHH

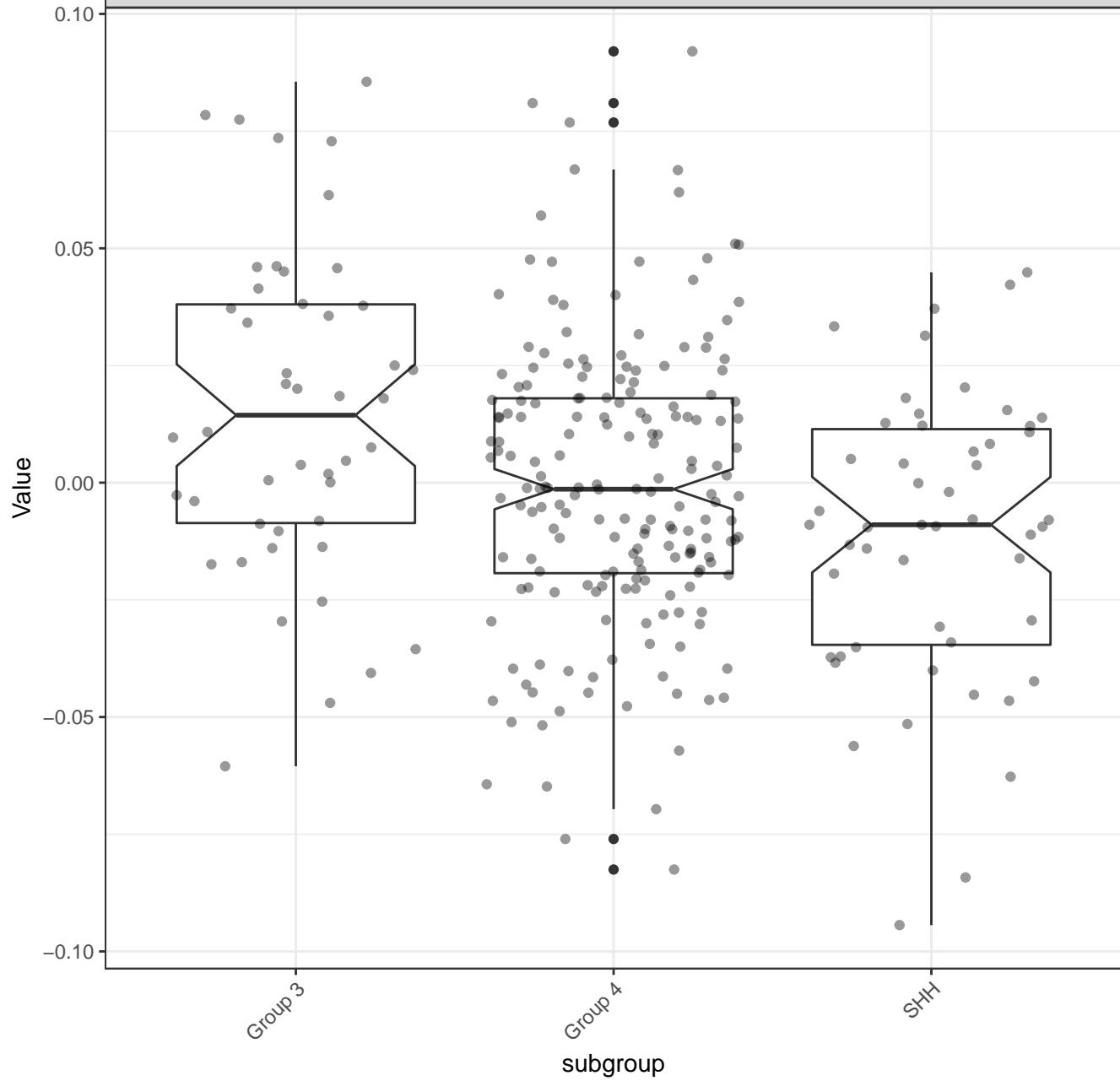
subgroup

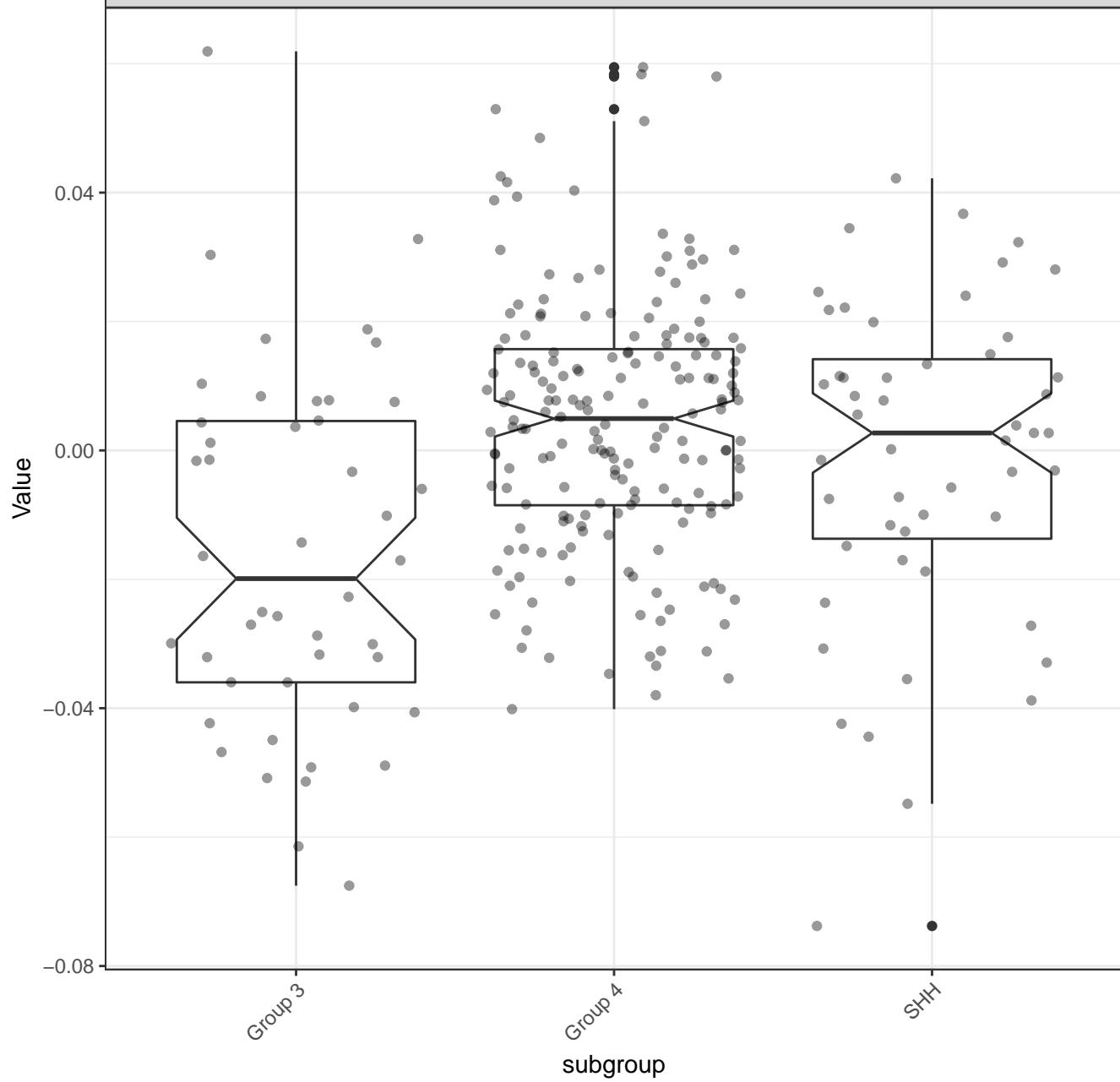


LV 771

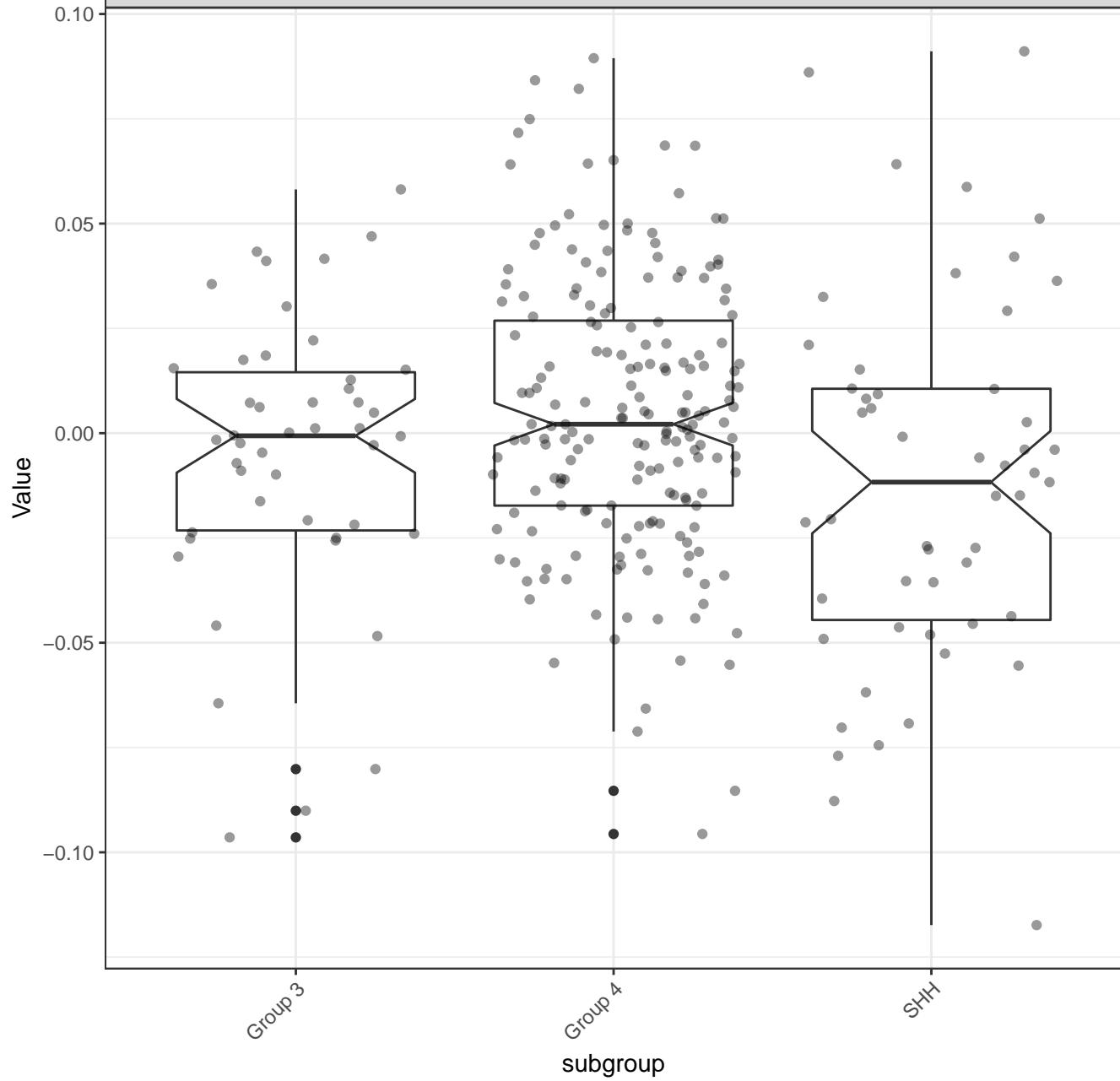


LV 772

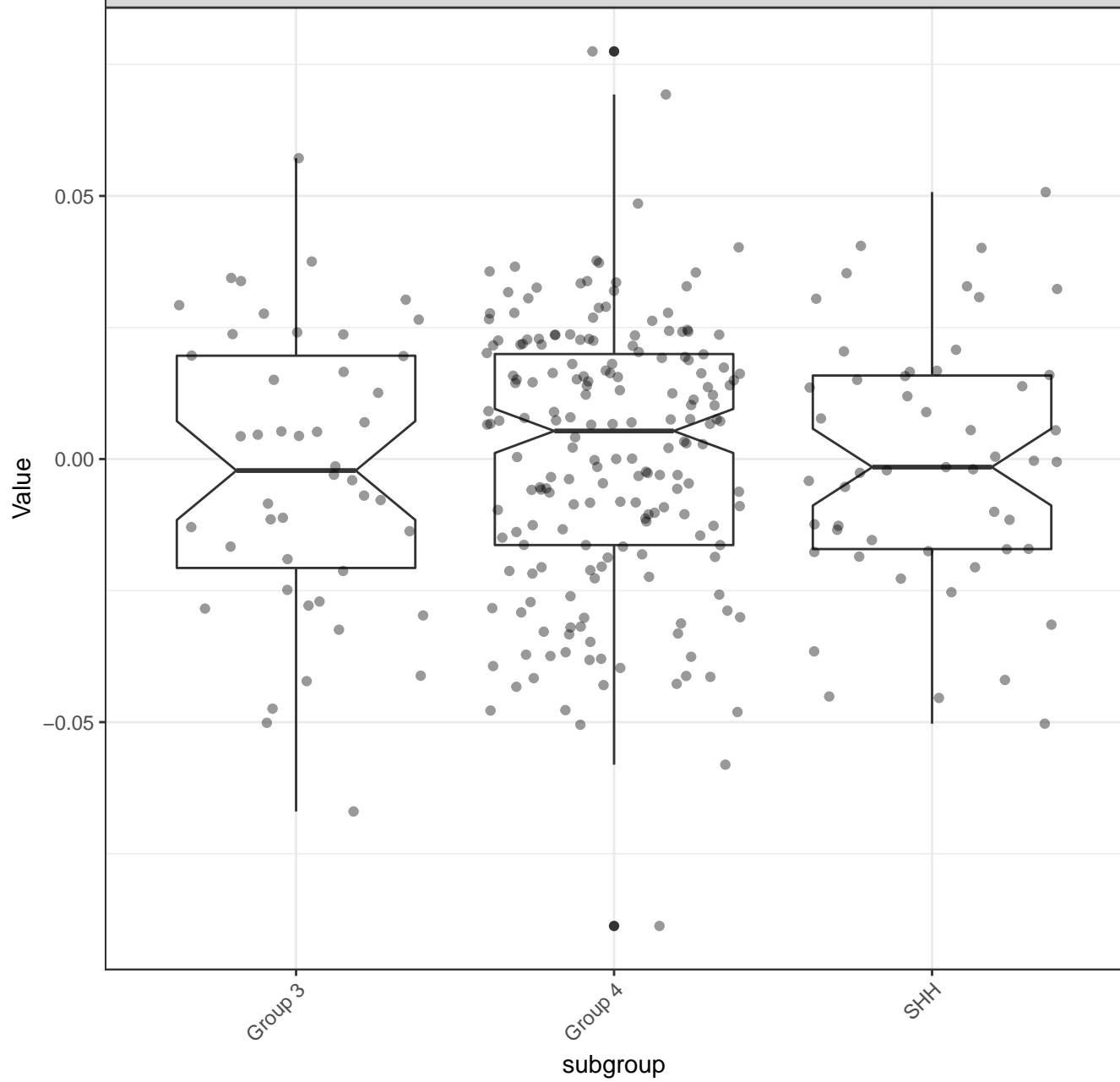




LV 774



LV 775



LV 776

Value

0.10

0.05

0.00

-0.05

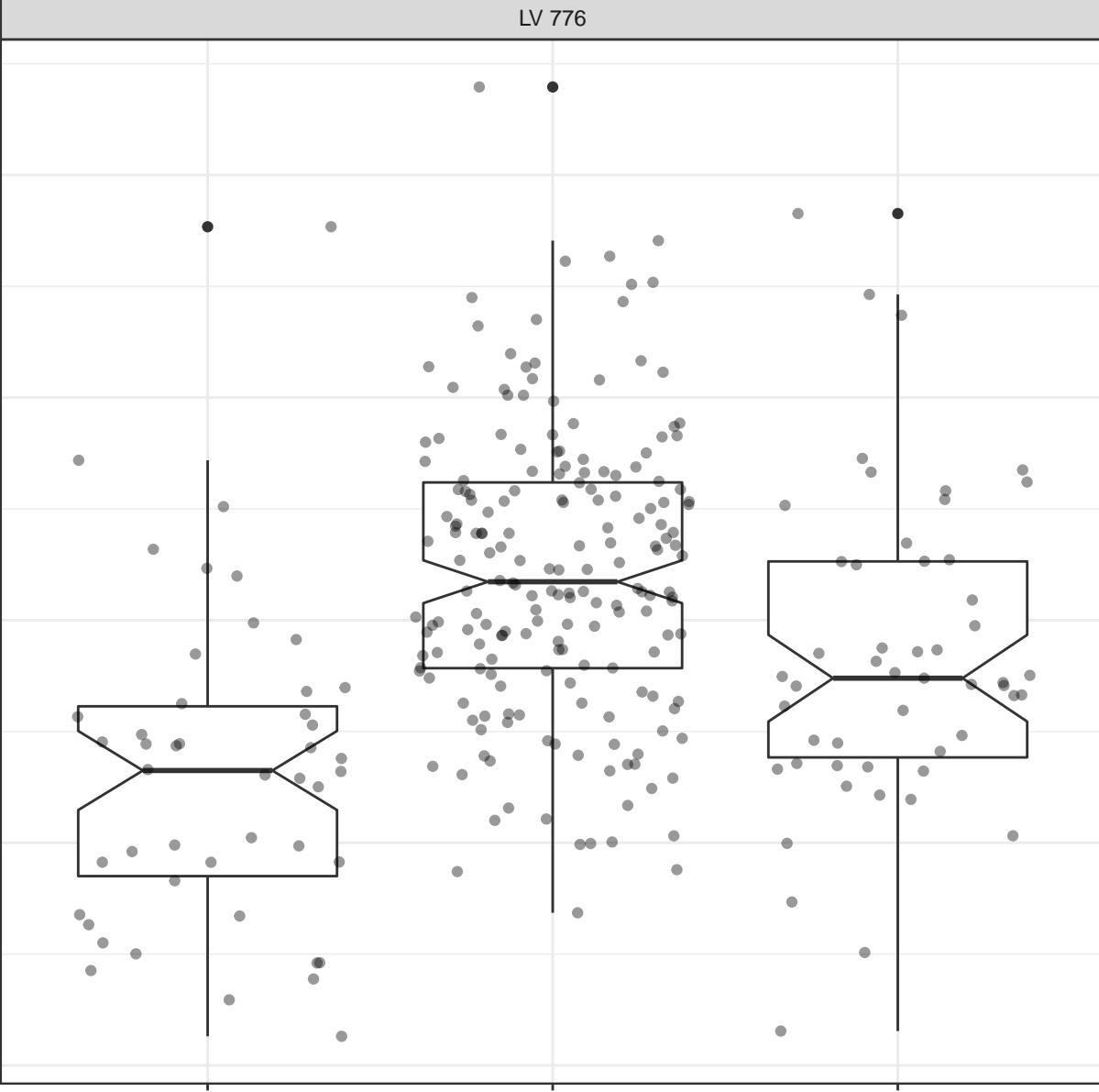
-0.10

Group 3

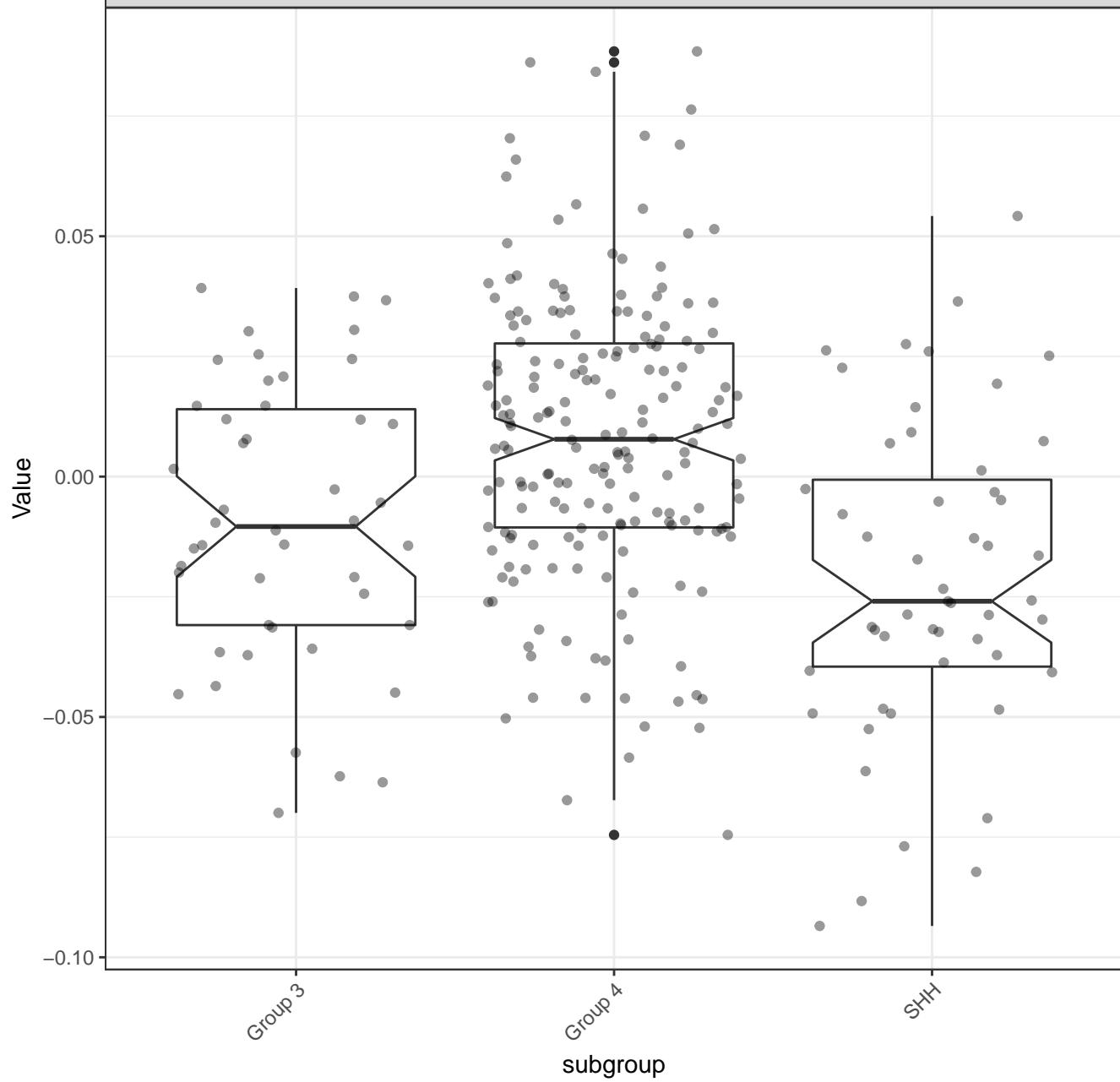
subgroup

Group 4

SHH



777,PID_P53DOWNSTREAMPATHWAY



LV 778

Value

0.05

0.00

-0.05

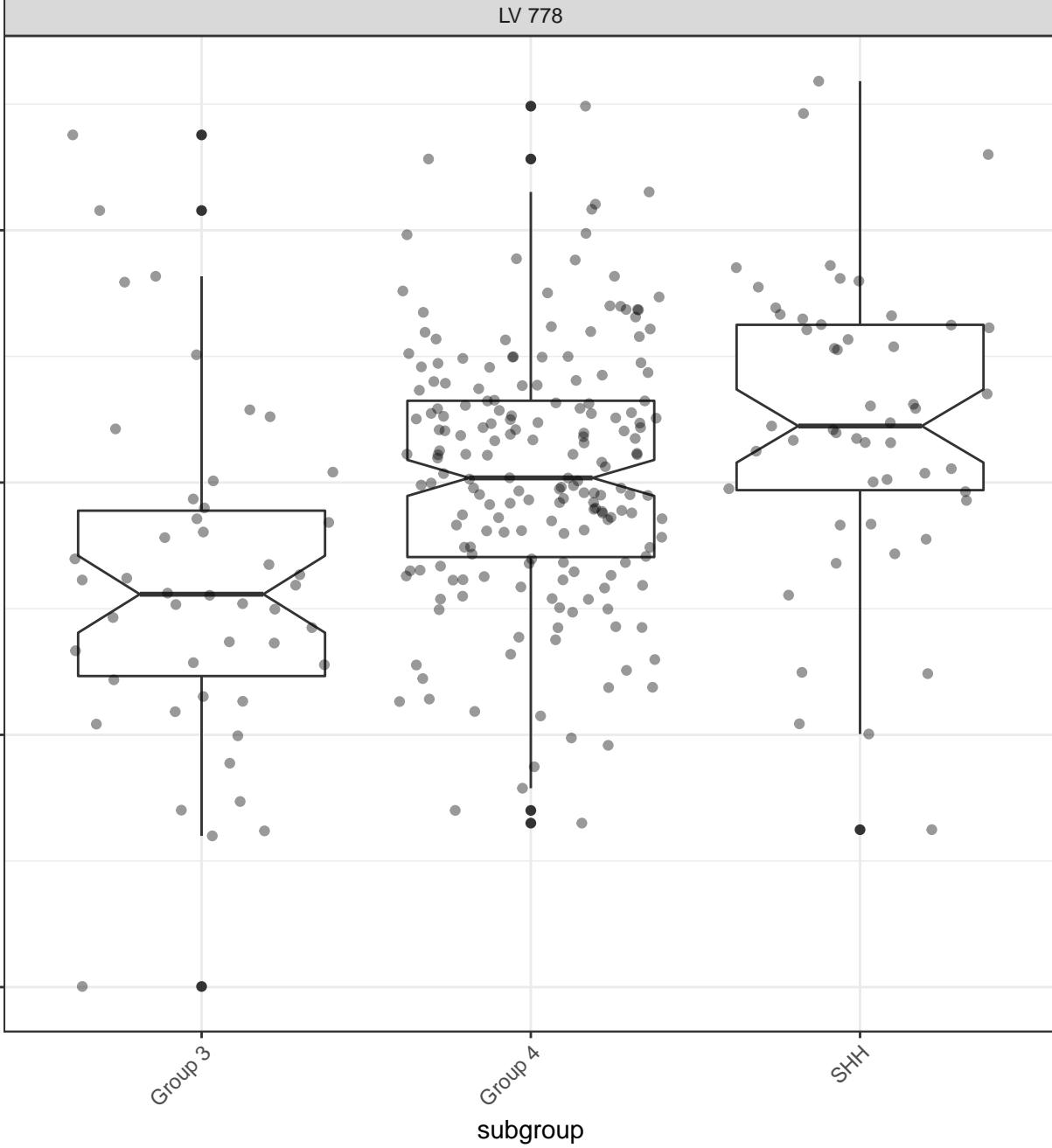
-0.10

Group 3

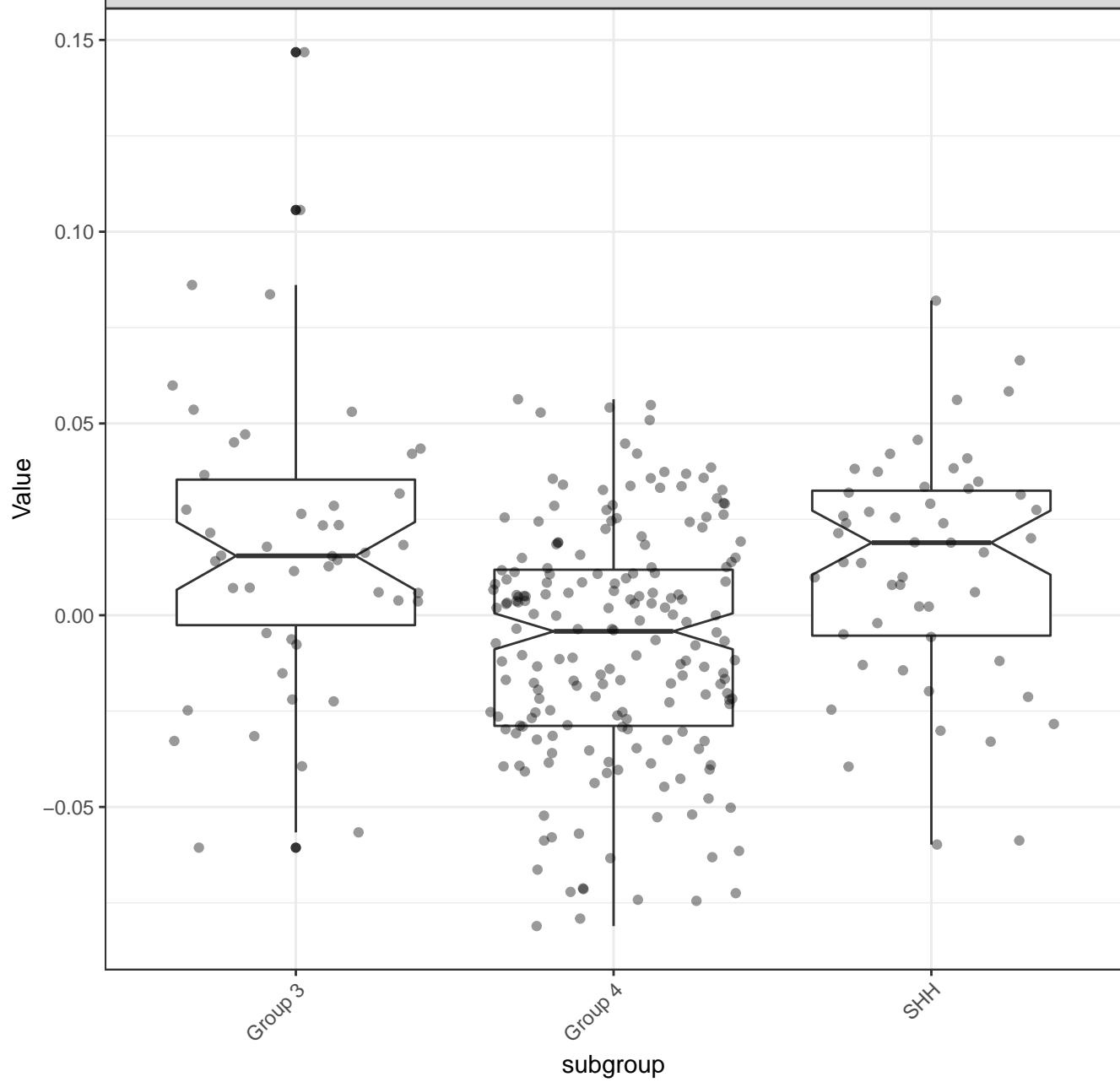
Group 4

SHH

subgroup



LV 779



LV 780

Value

0.05

0.00

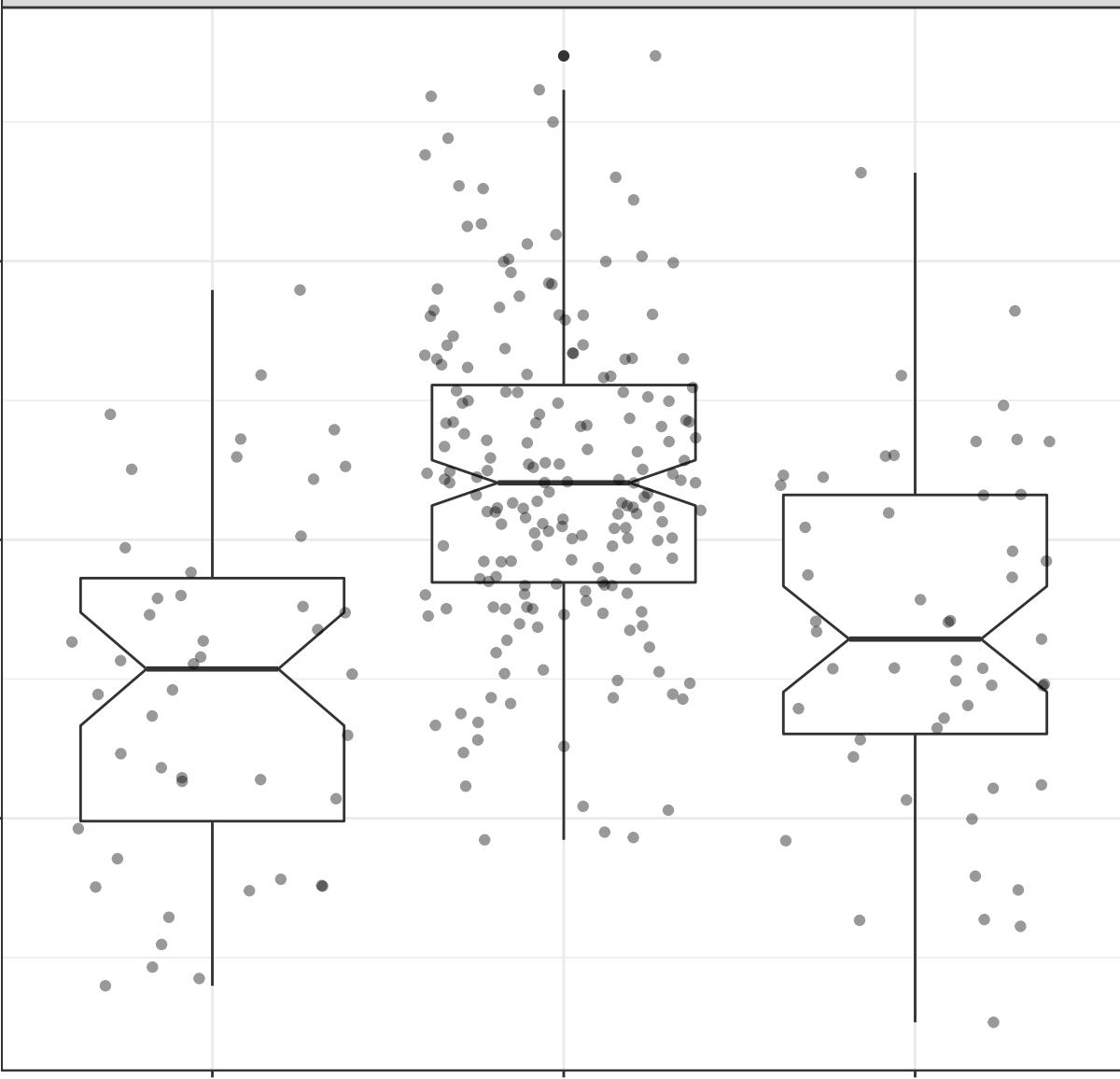
-0.05

Group 3

Group 4

SHH

subgroup



LV 781

Value

0.10

0.05

0.00

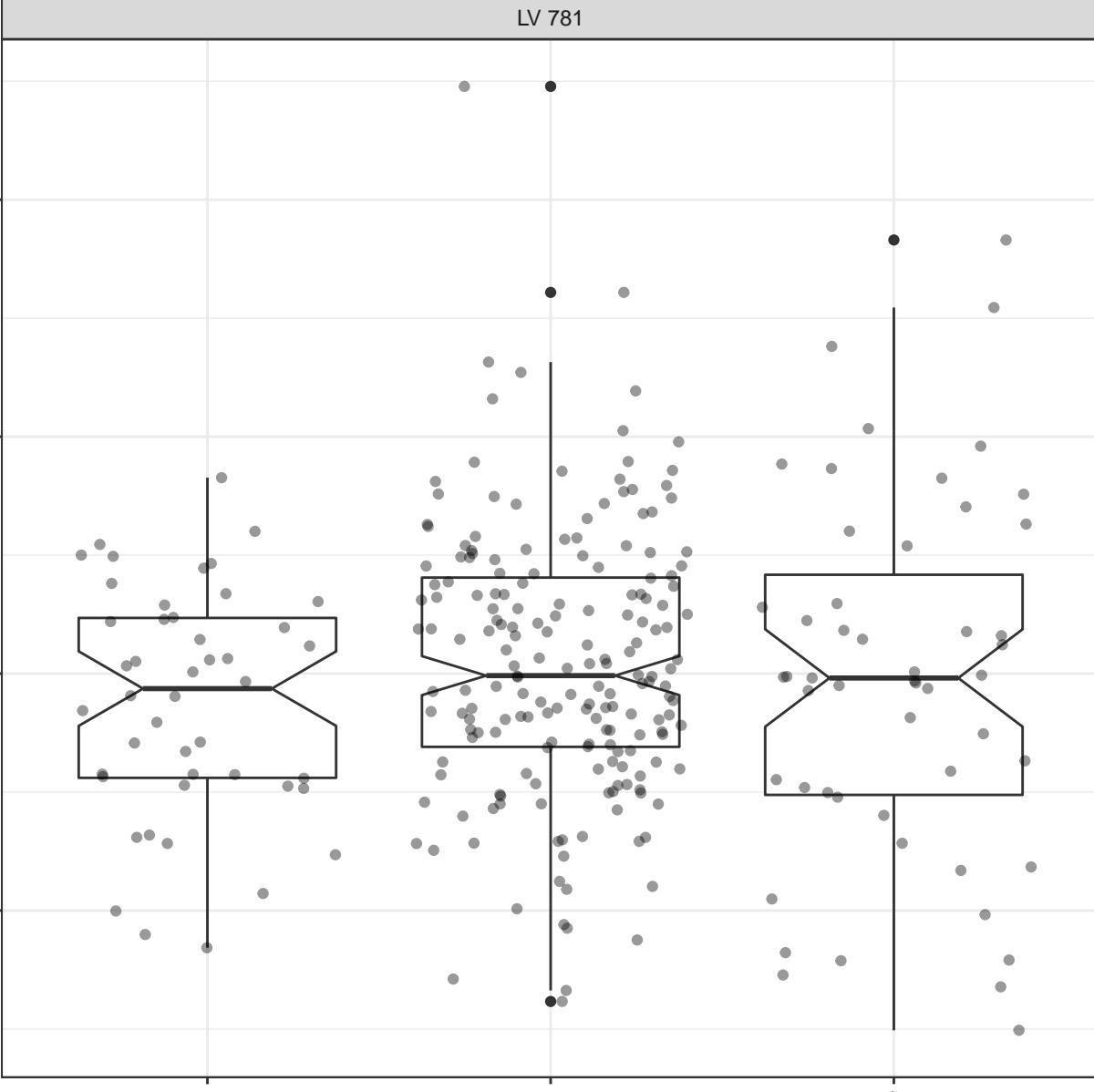
-0.05

Group 3

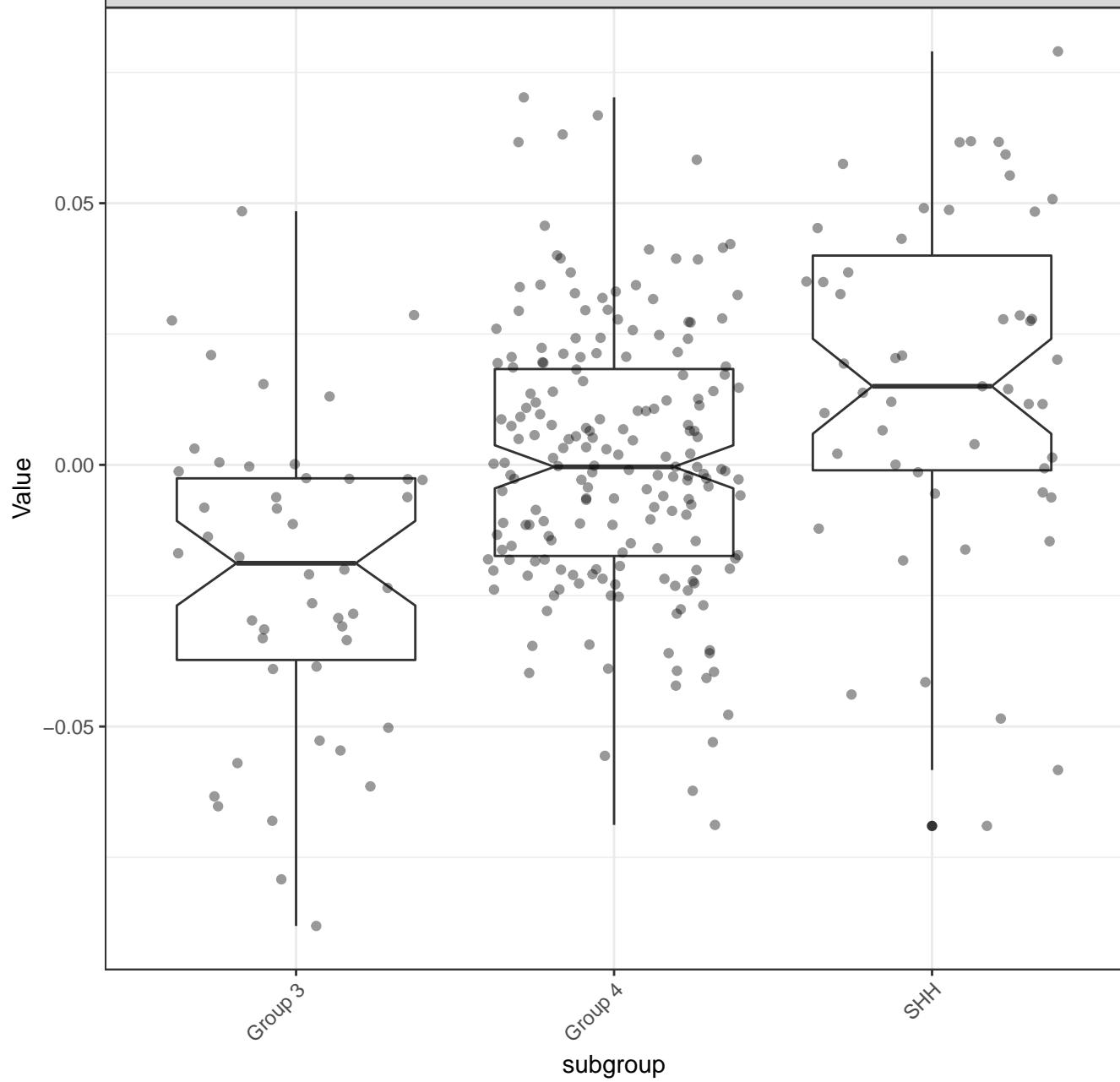
subgroup

Group 4

SHH



LV 782



LV 783

Value

0.05

0.00

-0.05

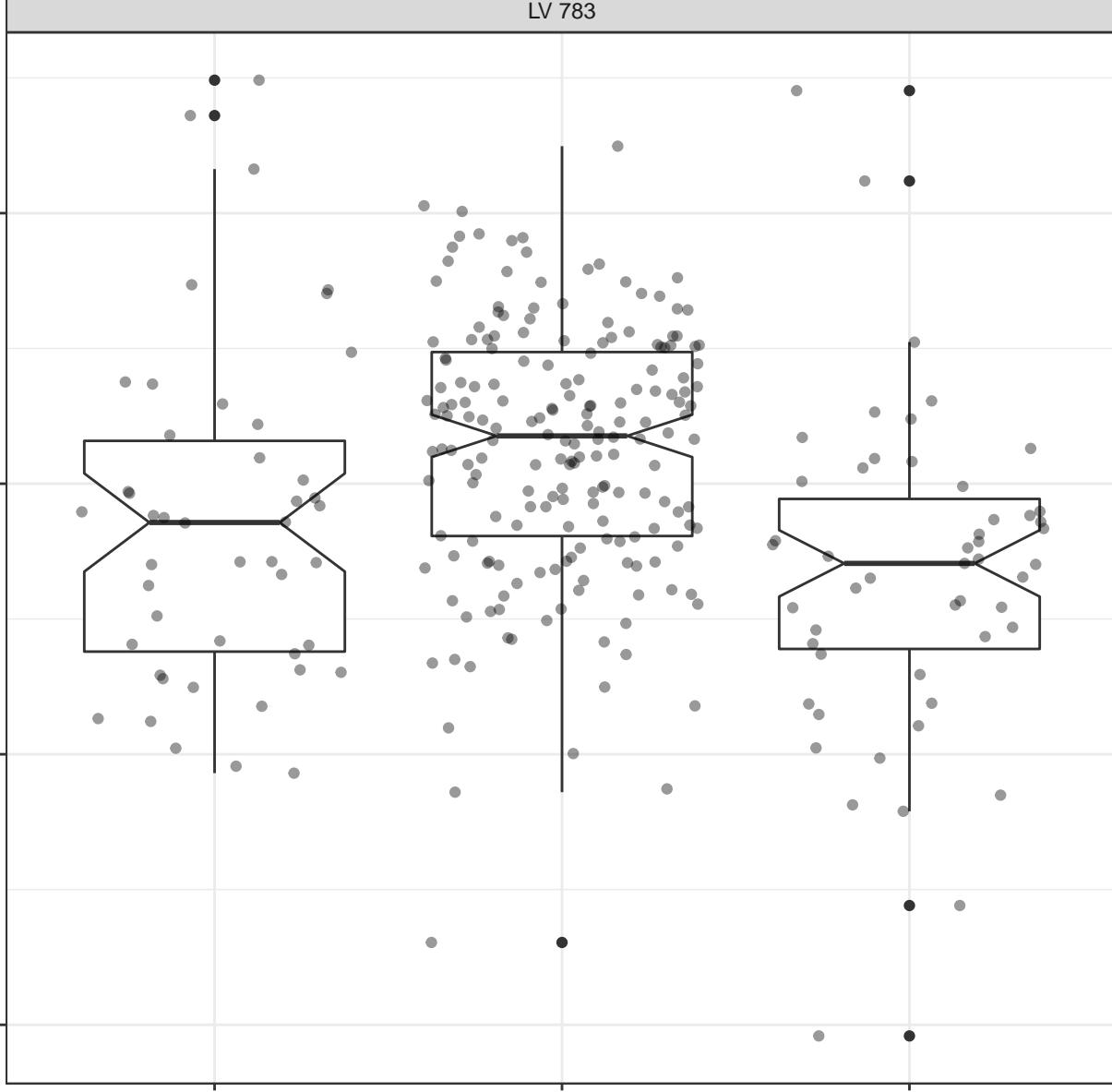
-0.10

Group 3

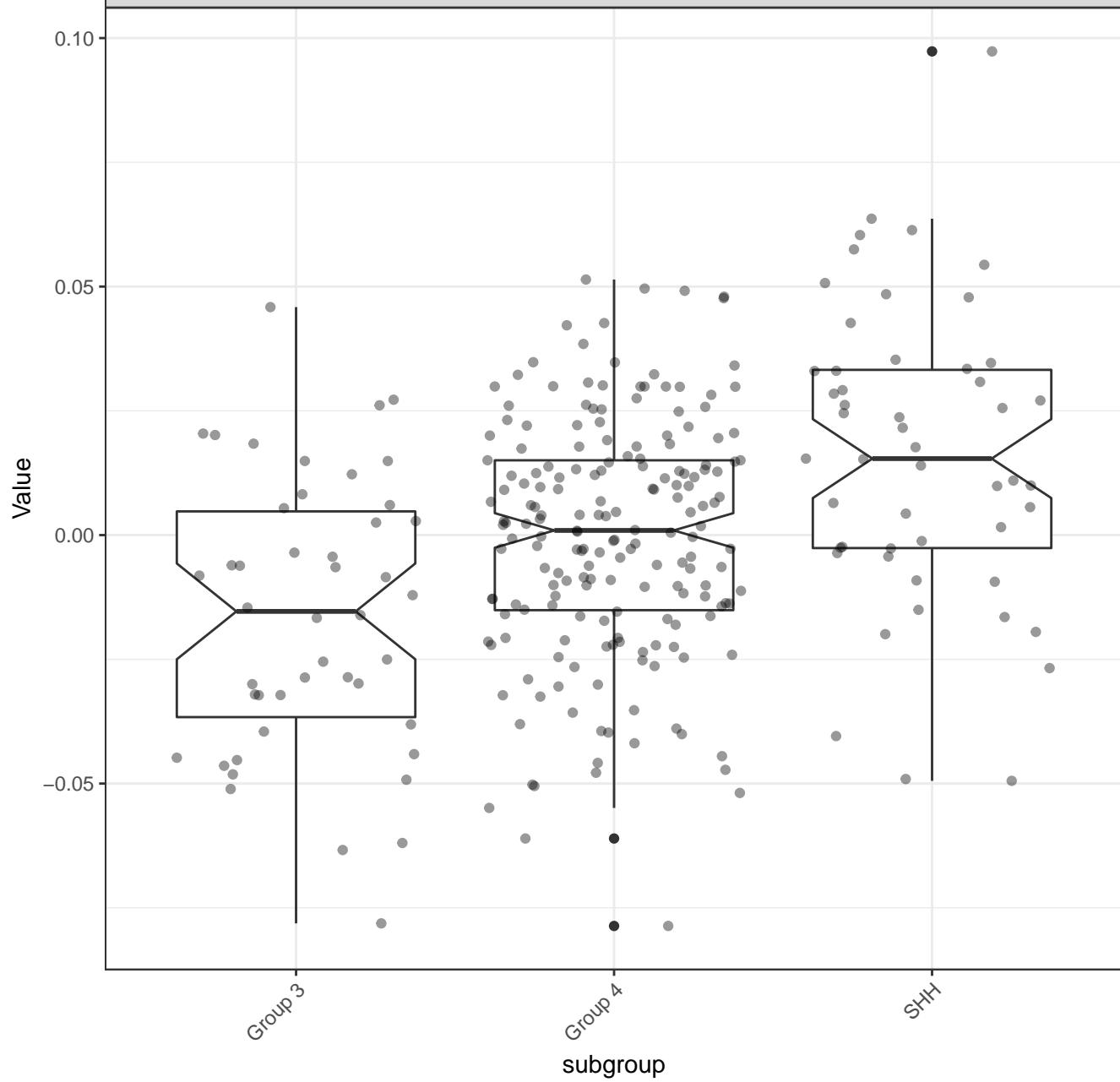
subgroup

Group 4

SHH



LV 784



LV 785

Value

0.08

0.04

0.00

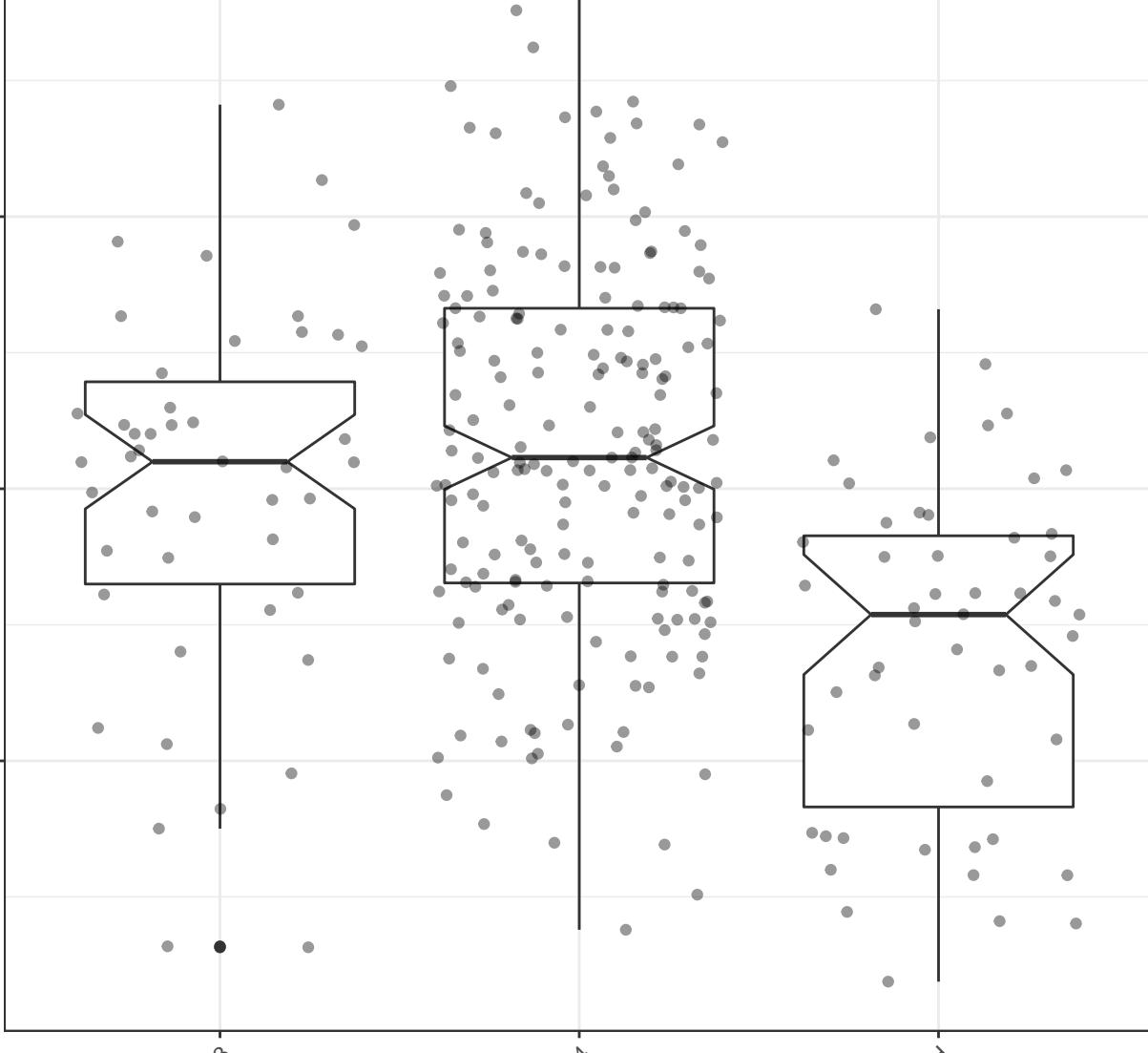
-0.04

Group 3

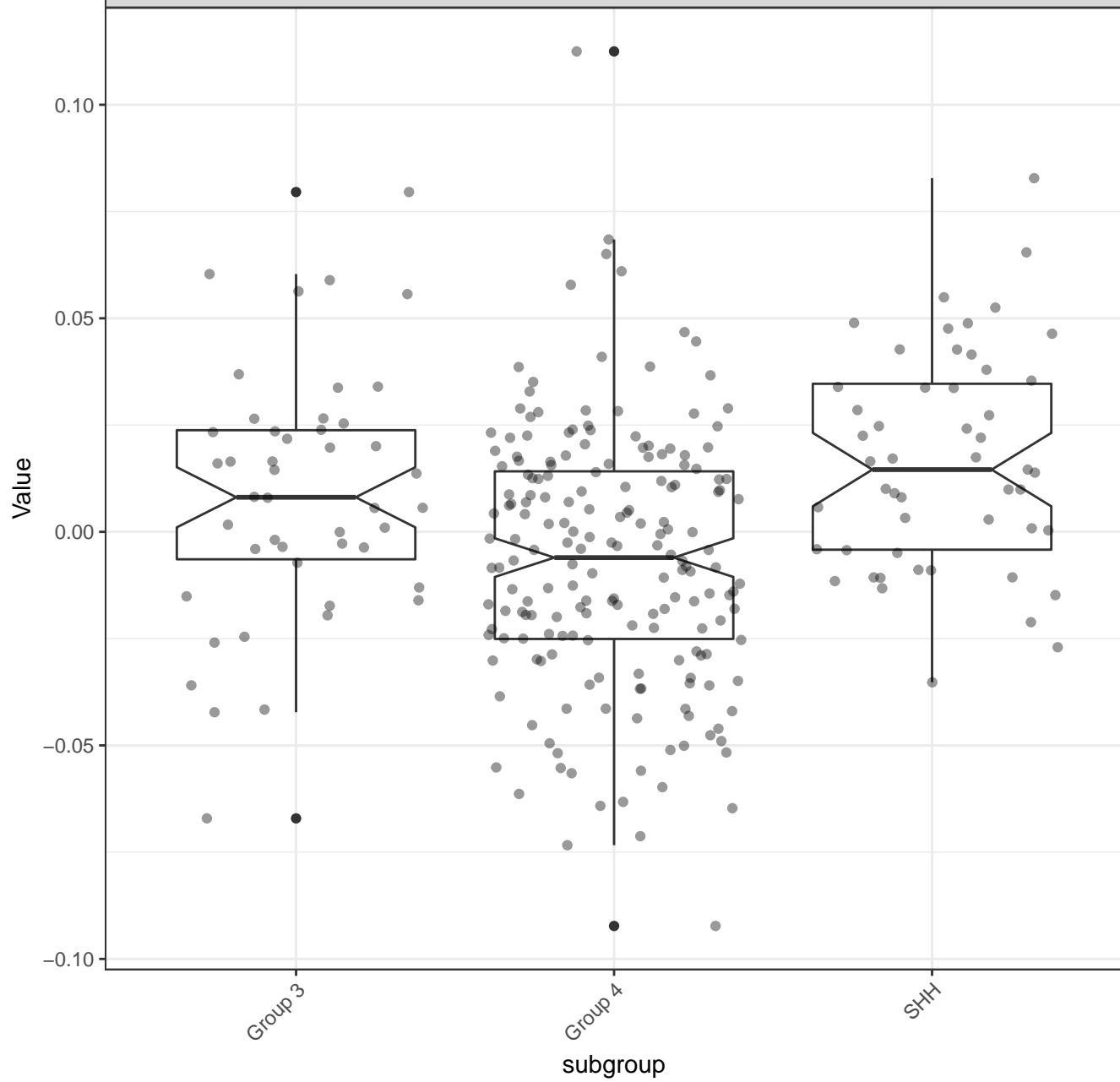
Group 4

SHH

subgroup



LV 786



787,DMAP_MONO1

Value

0.1

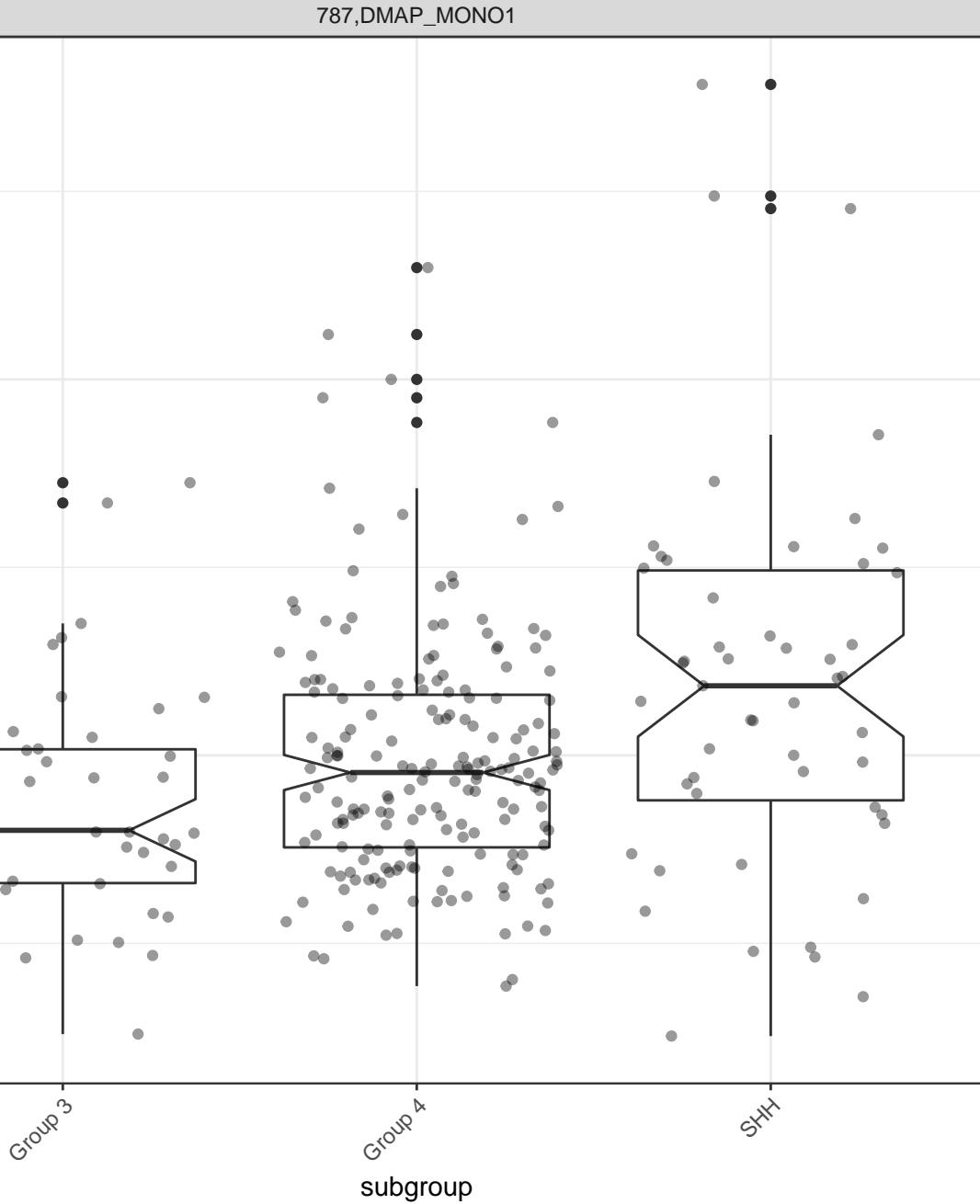
0.0

Group 3

Group 4

SHH

subgroup



LV 788

Value

0.10

0.05

0.00

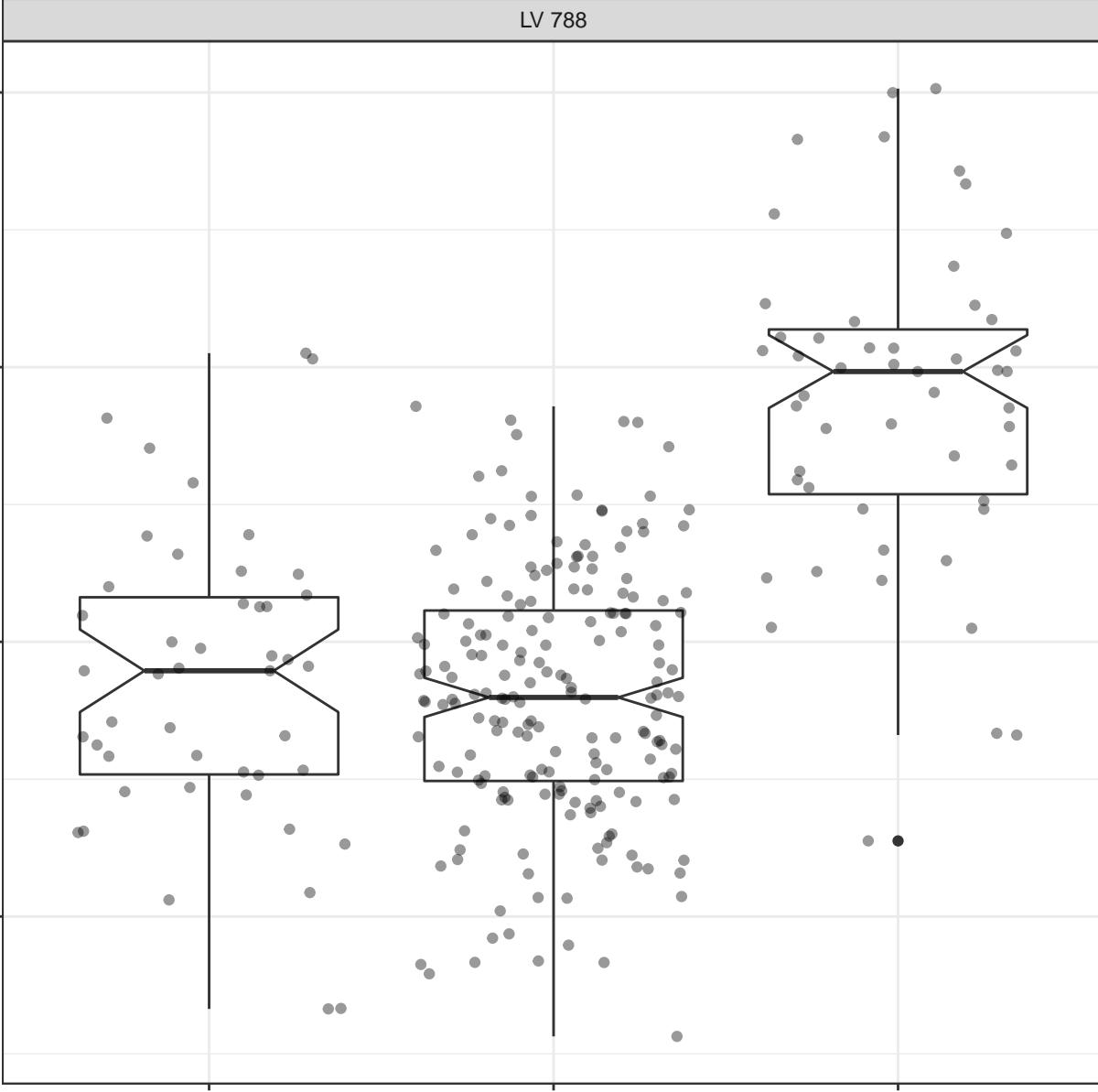
-0.05

Group 3

Group 4

SHH

subgroup



LV 789

Value

0.2

0.1

0.0

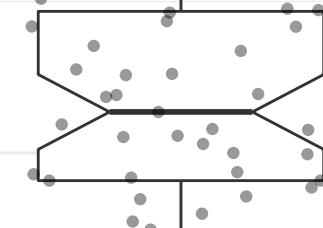
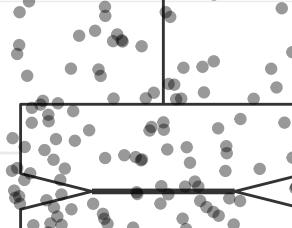
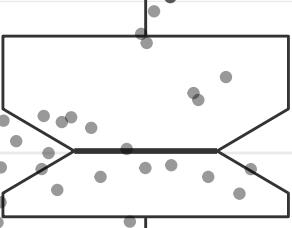
-0.1

Group 3

Group 4

SHH

subgroup



LV 790

Vvalue

0.10

0.05

0.00

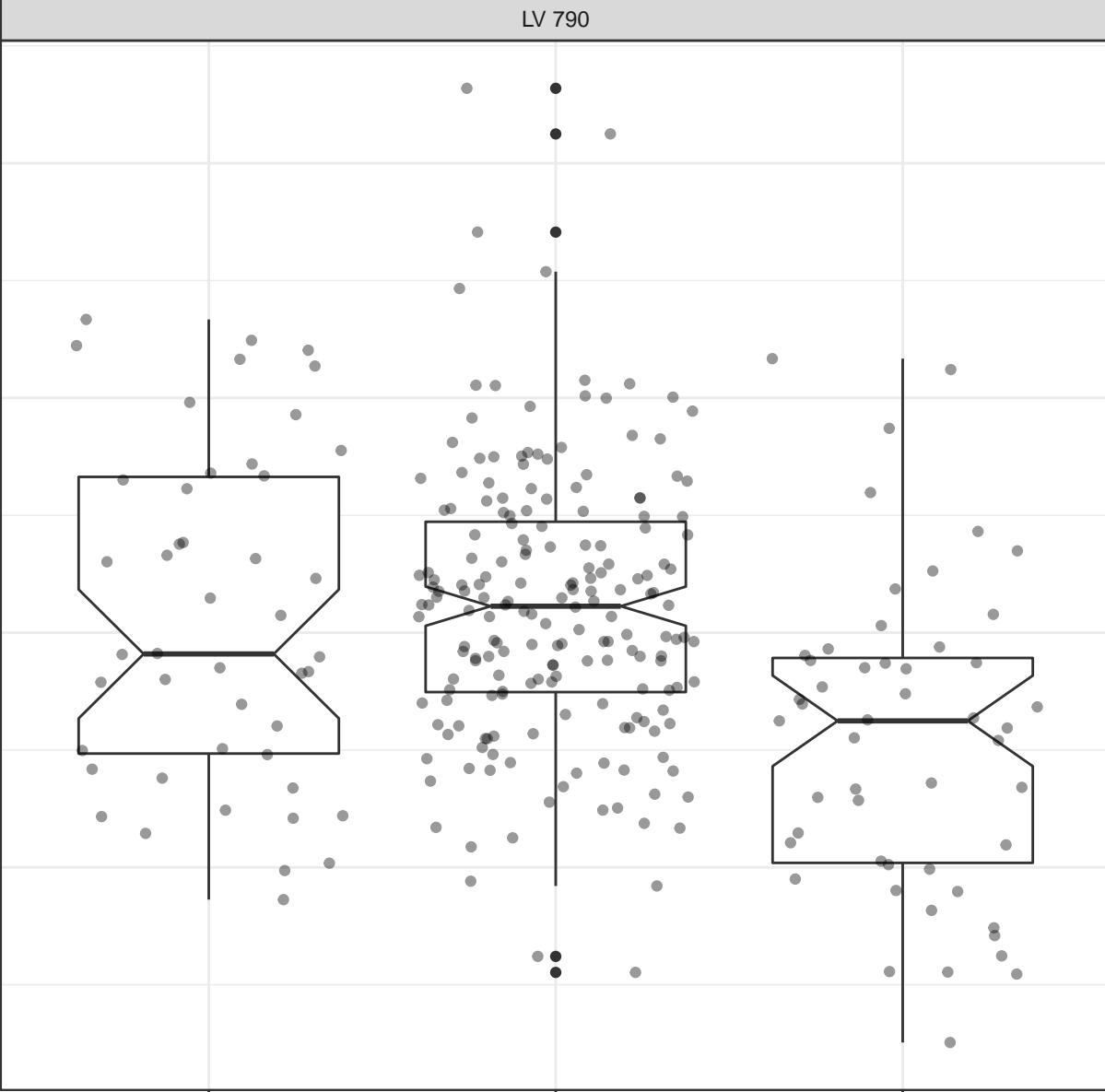
-0.05

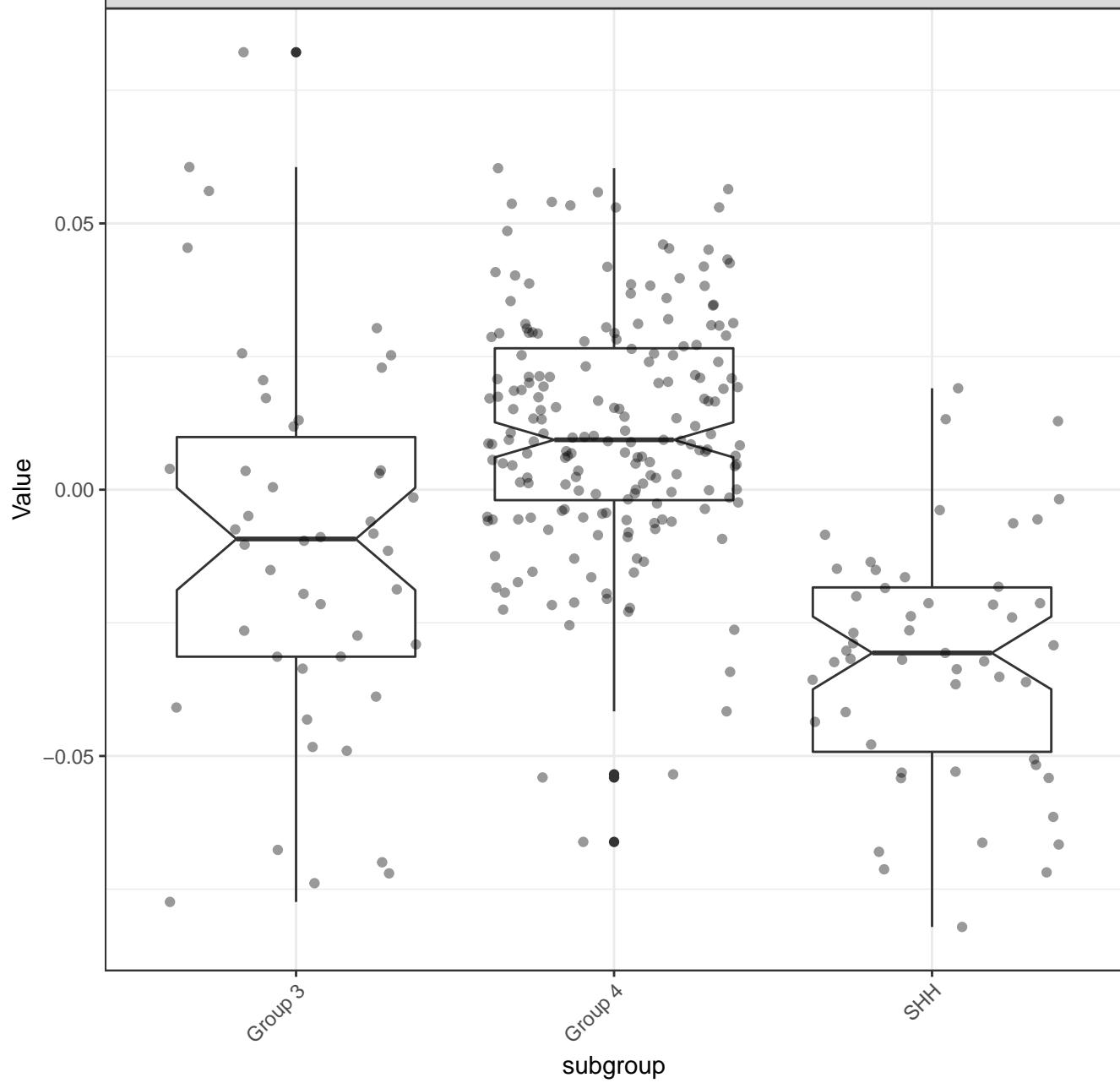
Group 3

subgroup

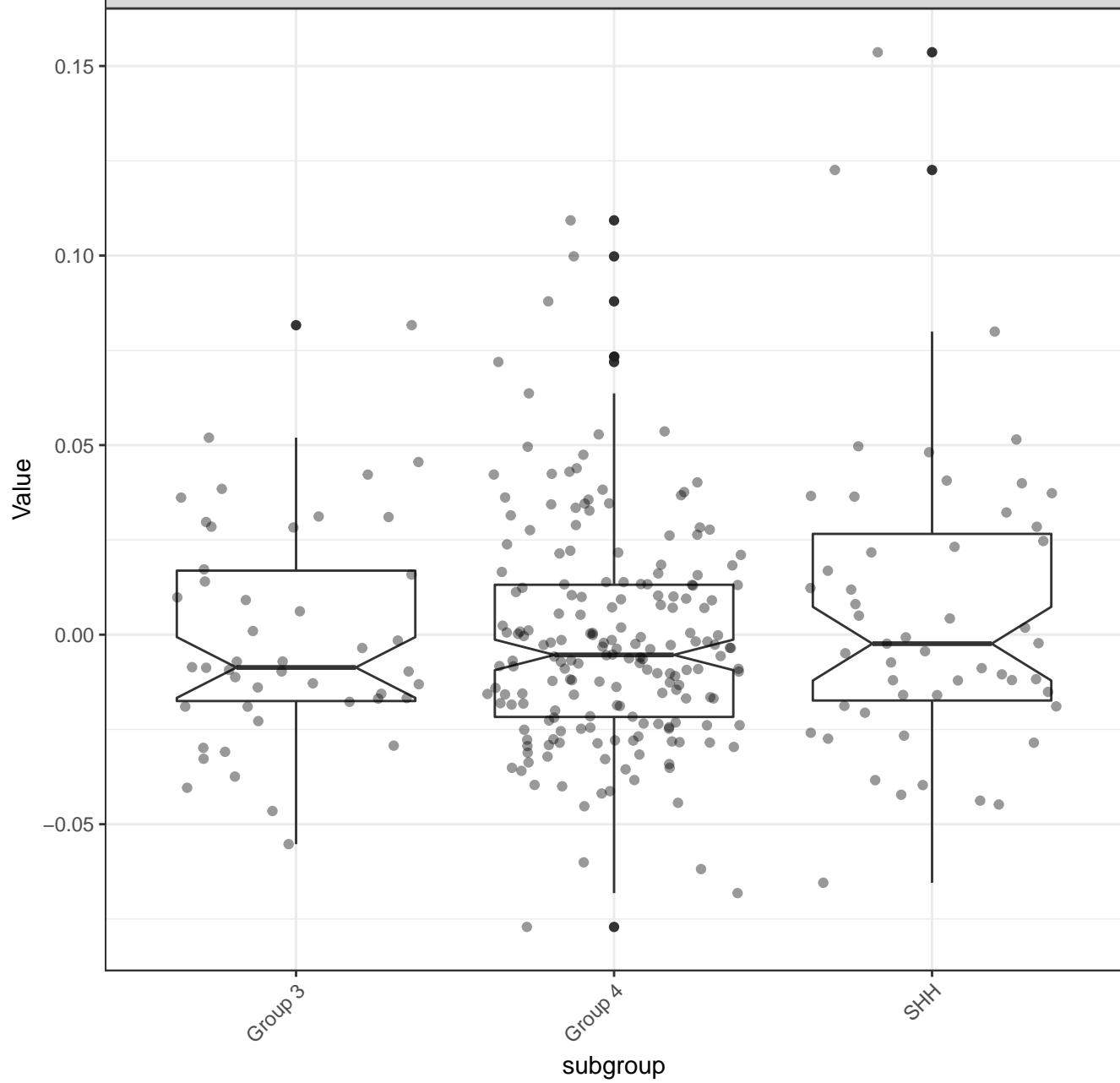
Group 4

SHH

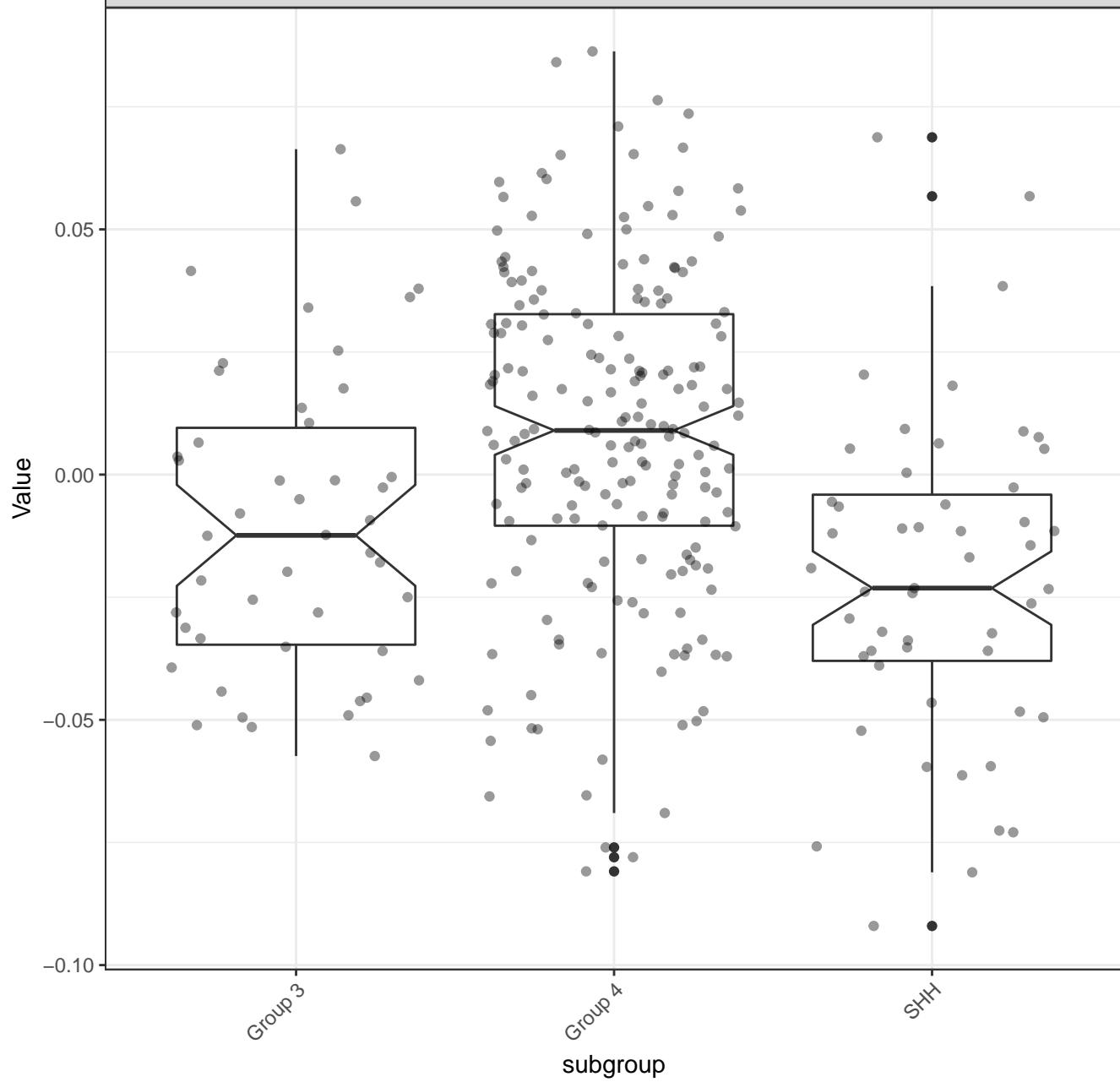




LV 792



LV 793



LV 794

Value

0.10

0.05

0.00

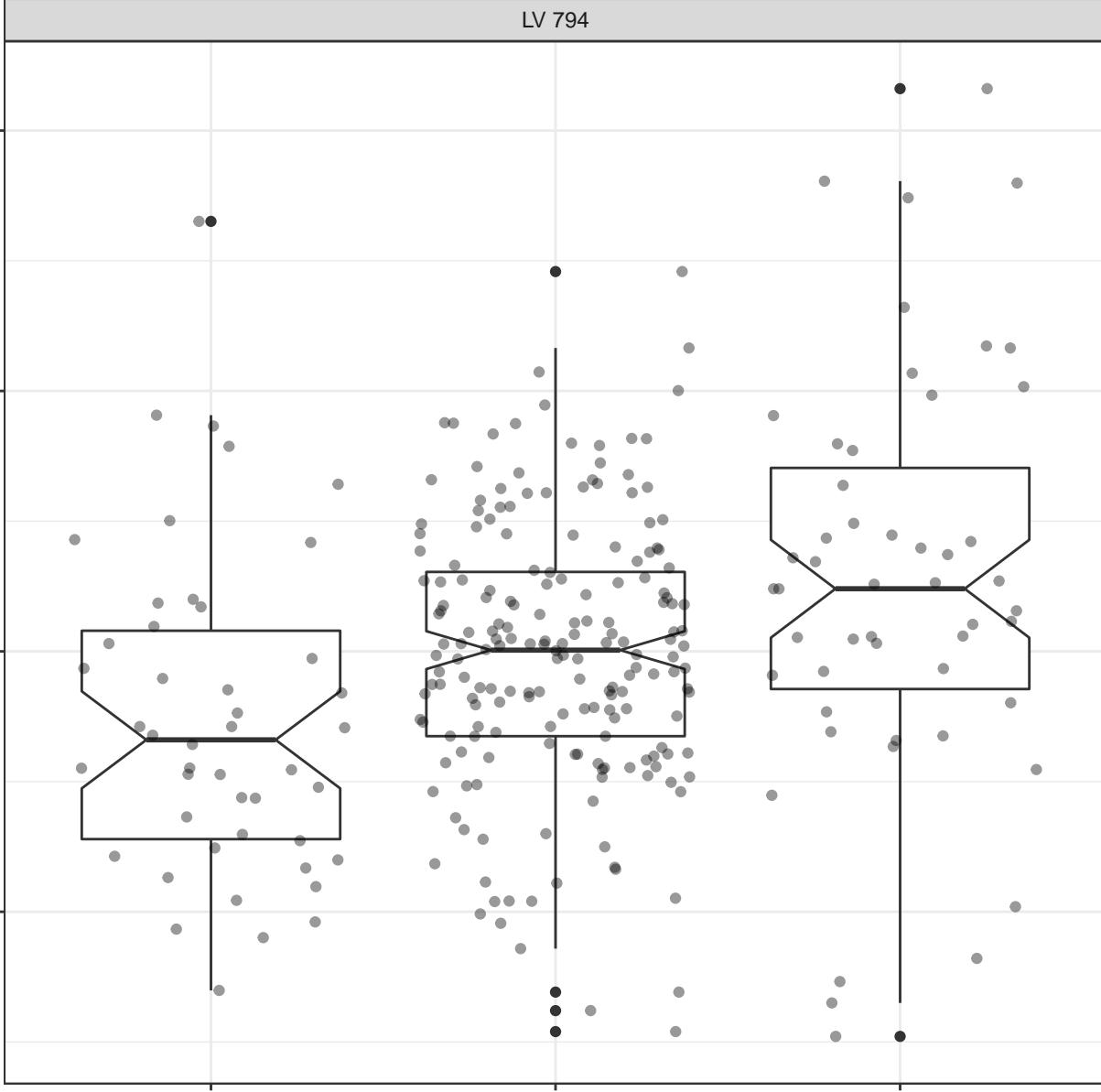
-0.05

Group 3

subgroup

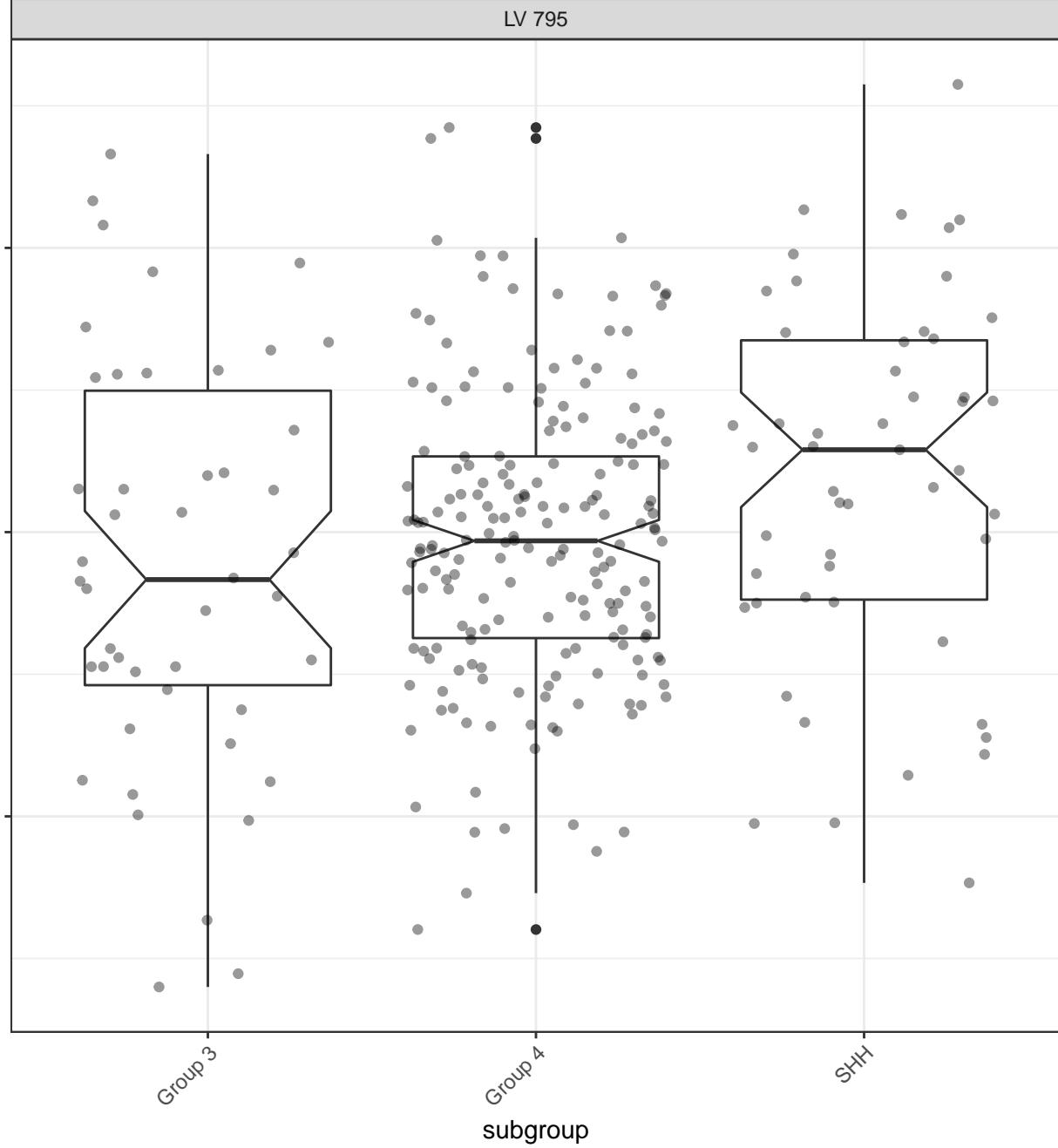
Group 4

SHH



LV 795

Value



LV 796

Value

0.10

0.05

0.00

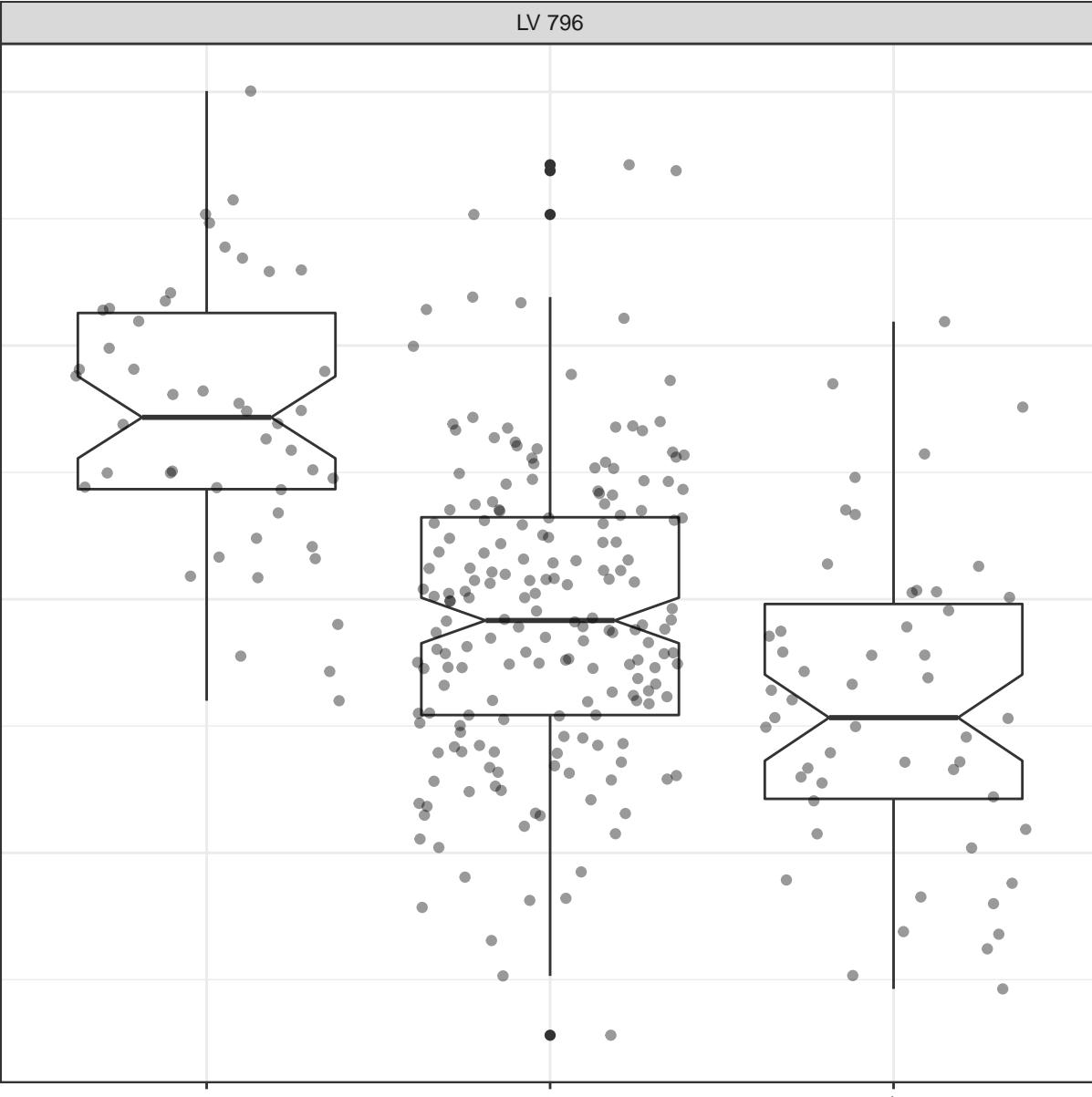
-0.05

Group 3

subgroup

Group 4

SHH



Value

0.04

0.00

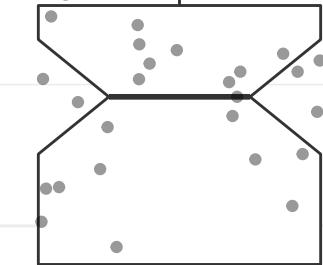
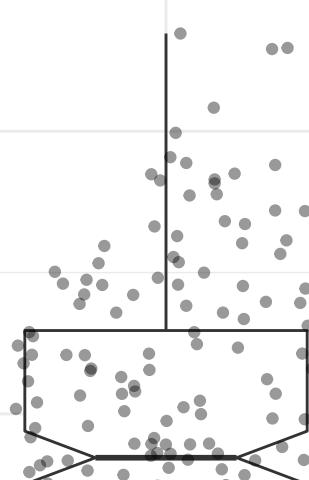
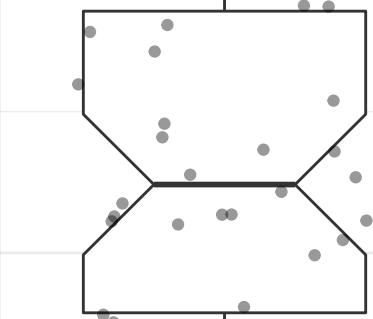
-0.04

-0.08

Group 3

subgroup

SHH



LV 798

Vvalue

0.10

0.05

0.00

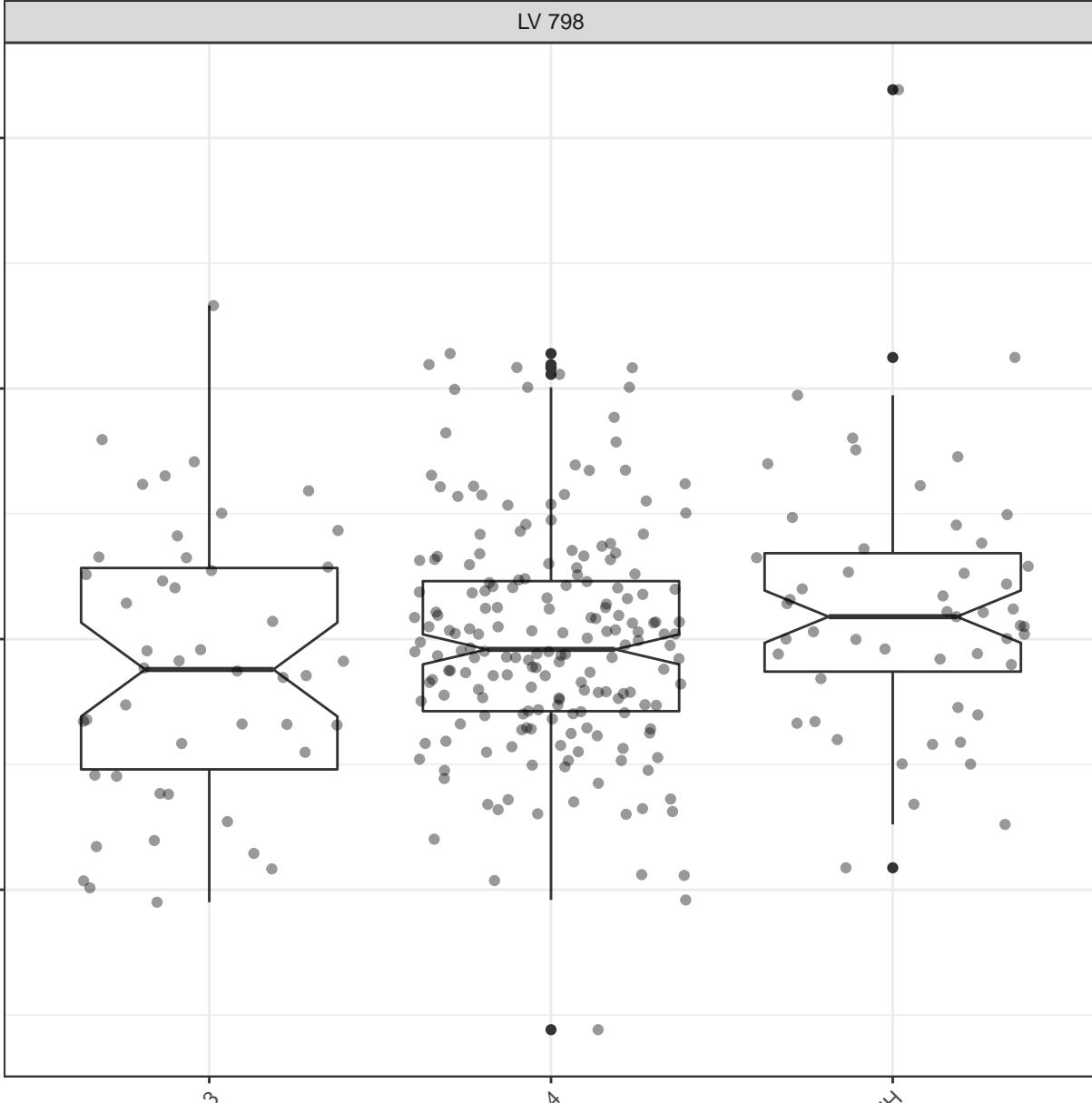
-0.05

Group 3

Group 4

SHH

subgroup



LV 799

Value

0.10

0.05

0.00

-0.05

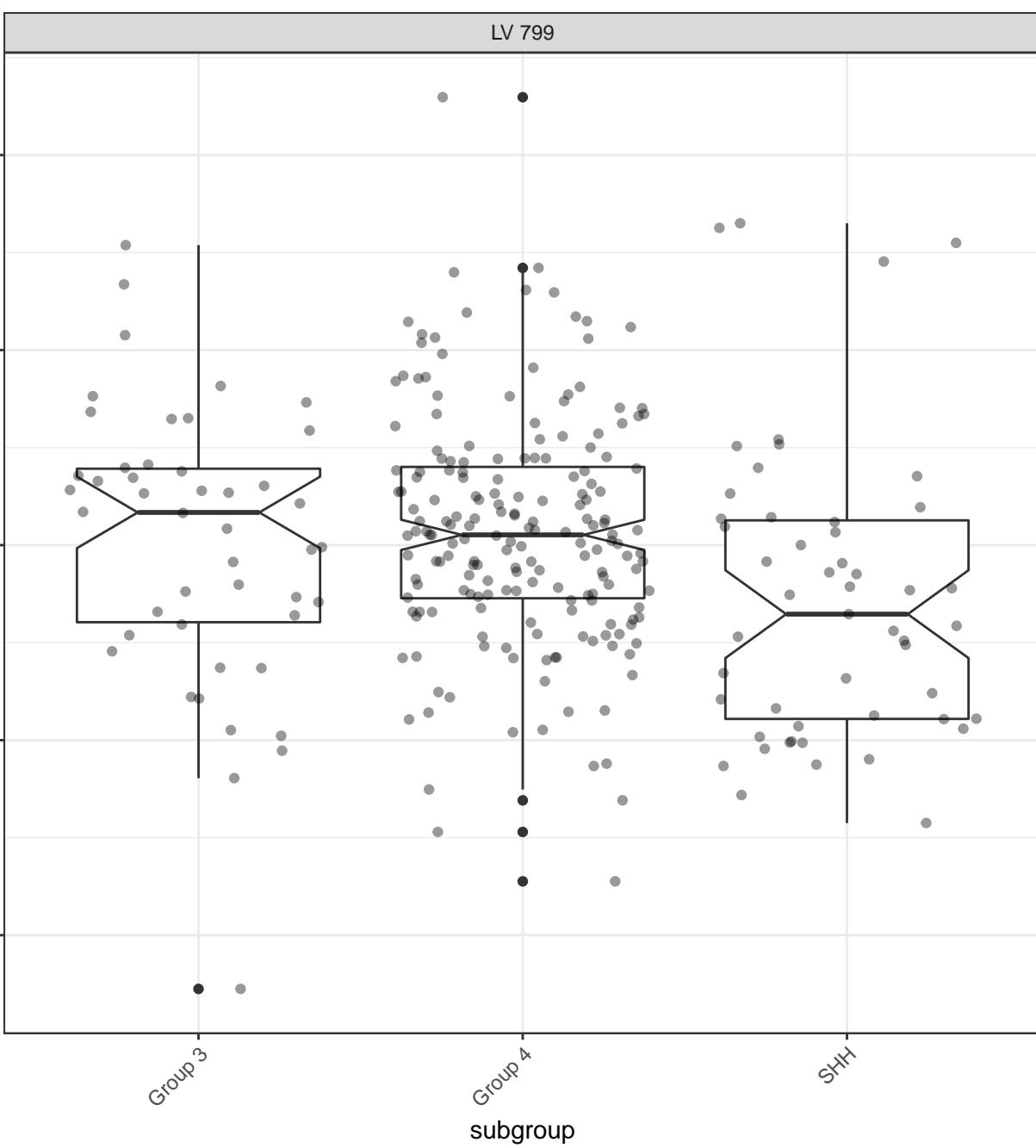
-0.10

Group 3

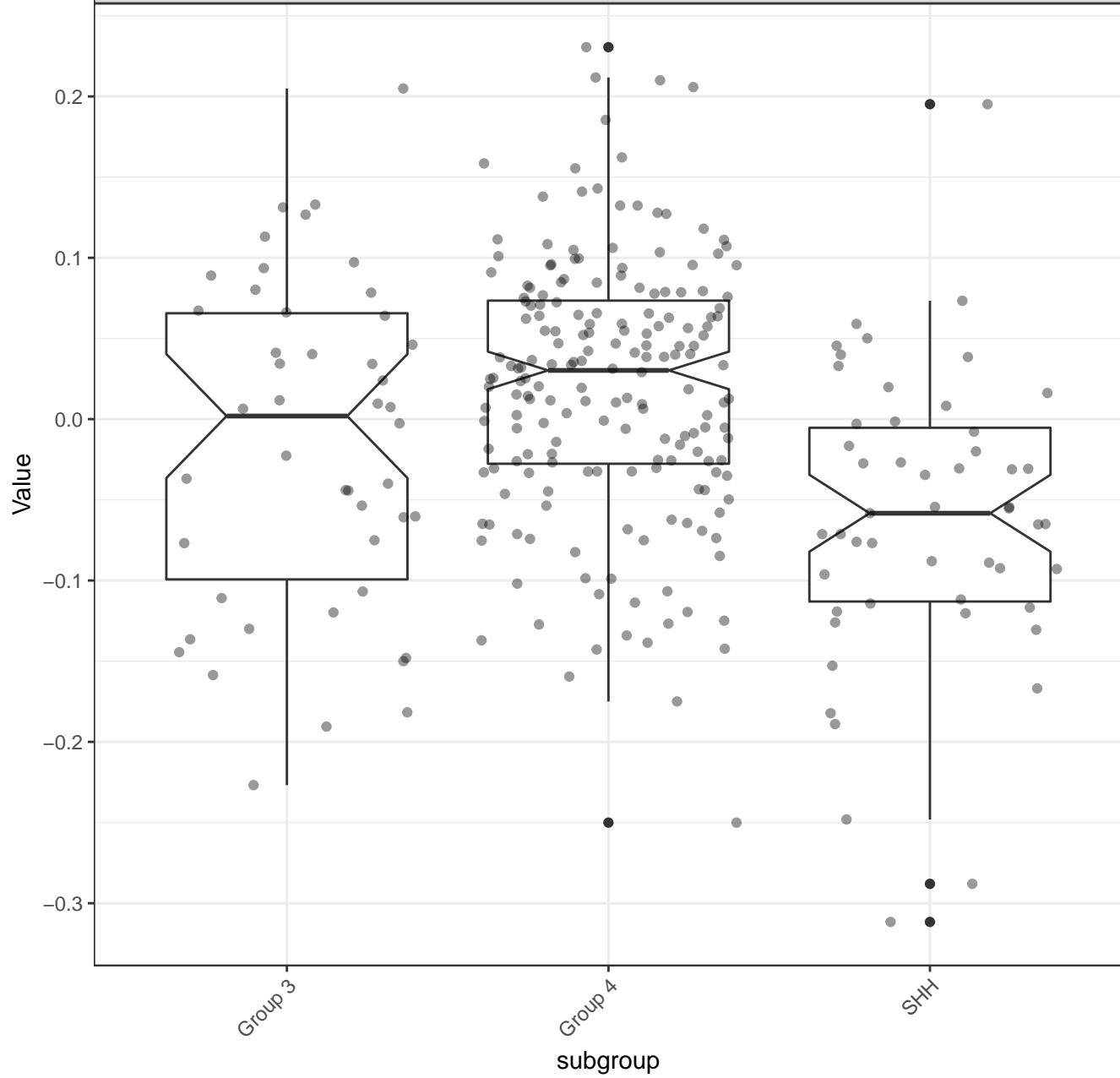
Group 4

SHH

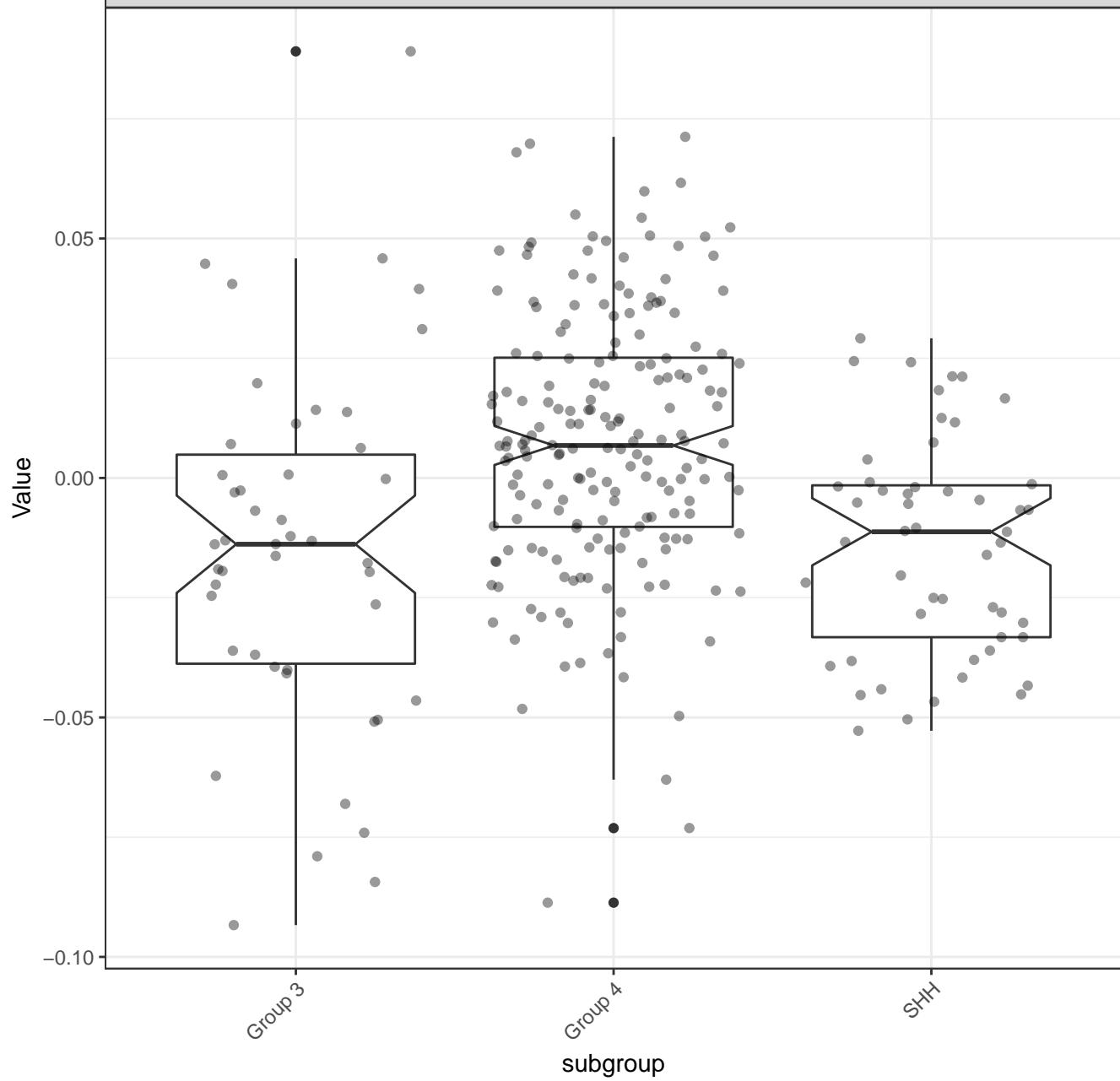
subgroup



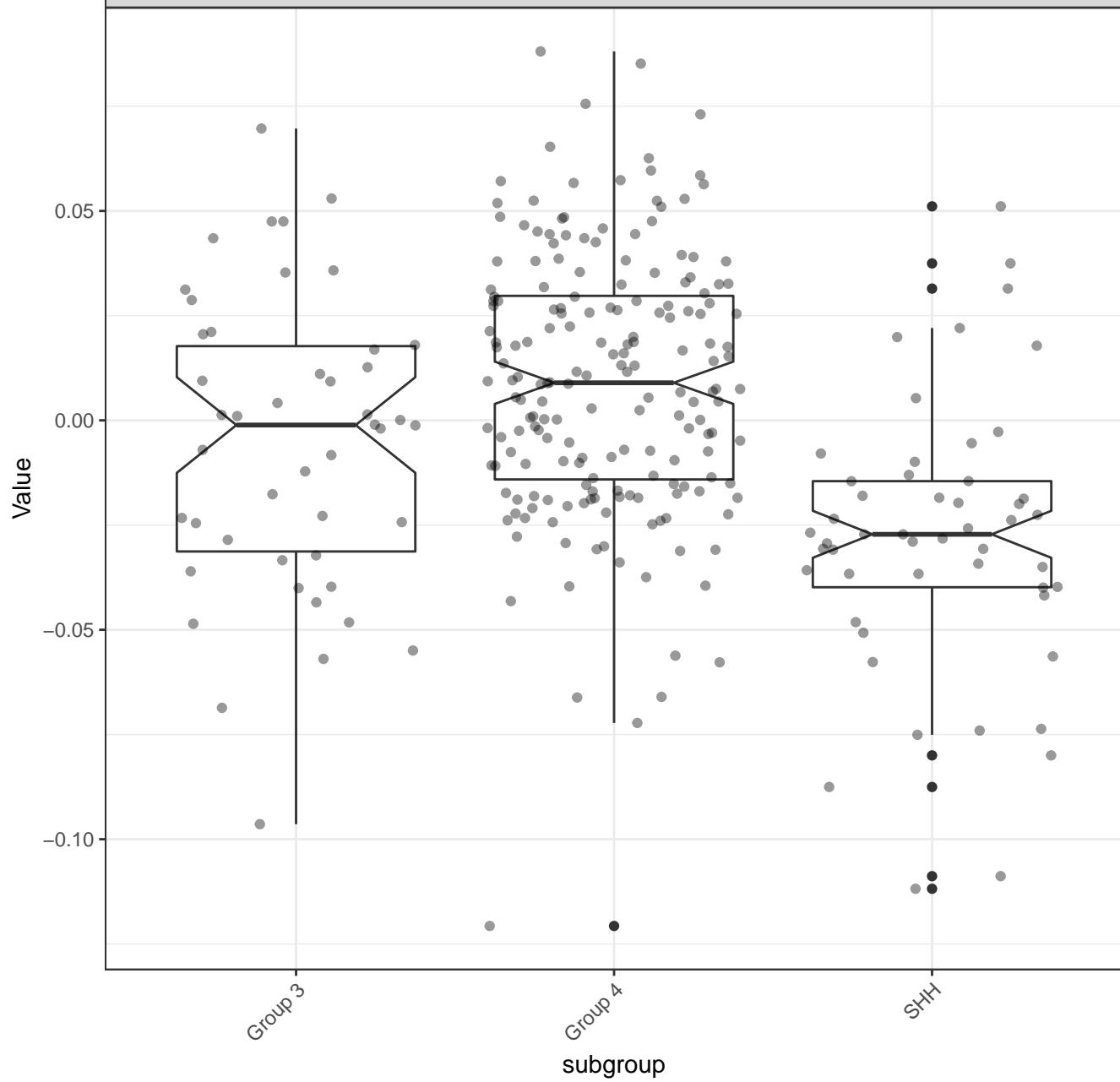
800,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



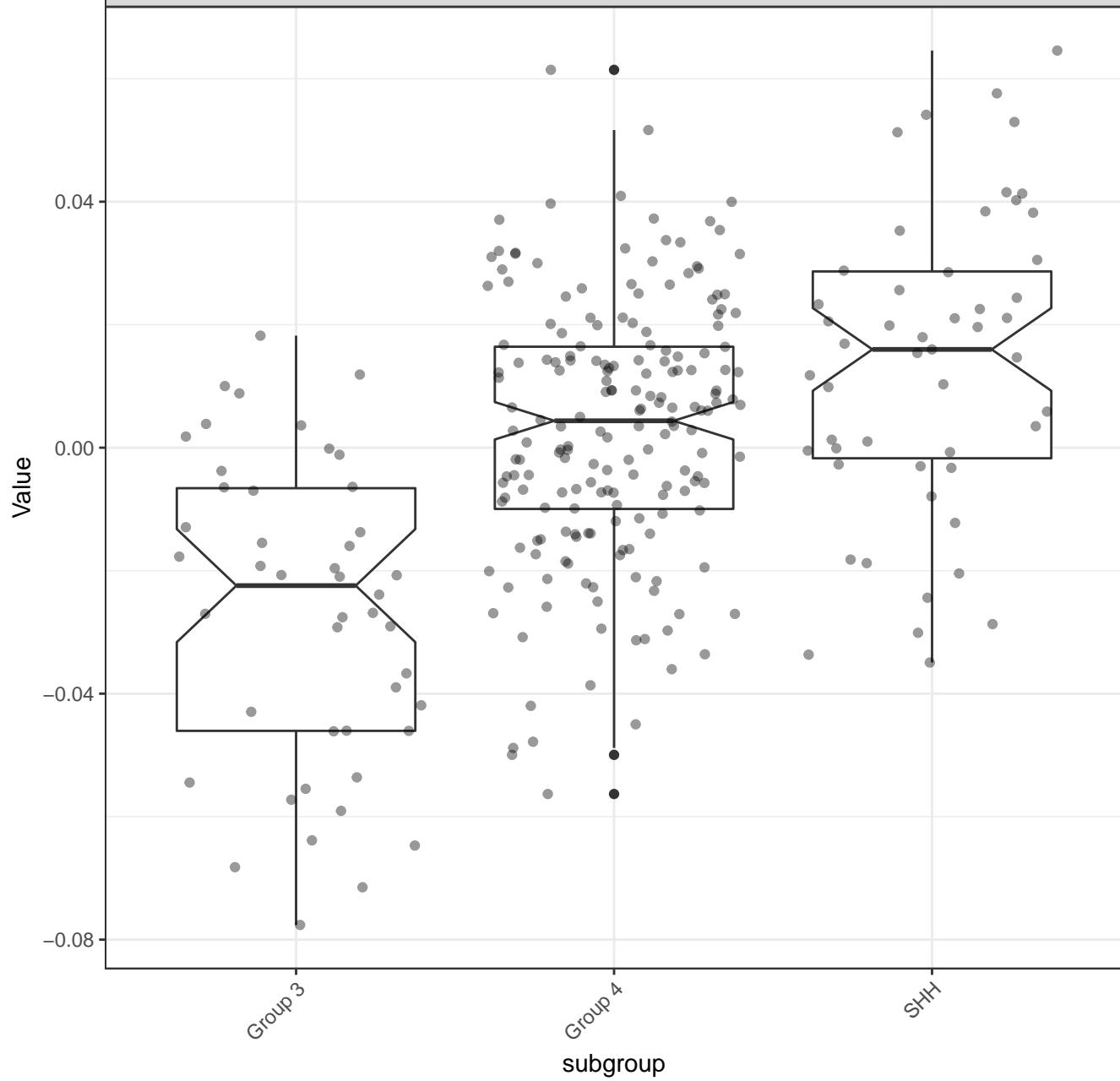
LV 801



LV 802



LV 803



LV 804

Value

0.2

0.1

0.0

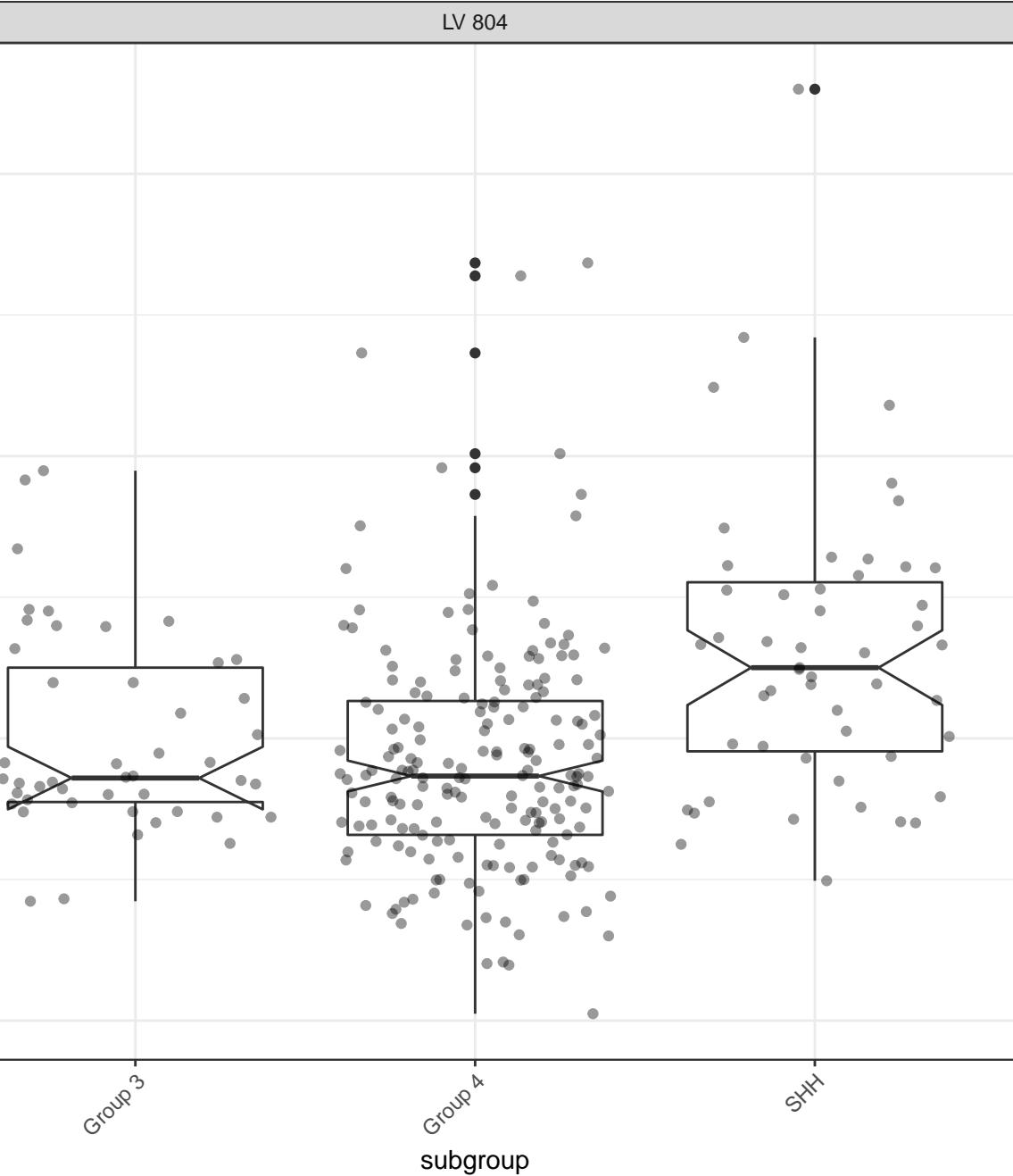
-0.1

Group 3

Group 4

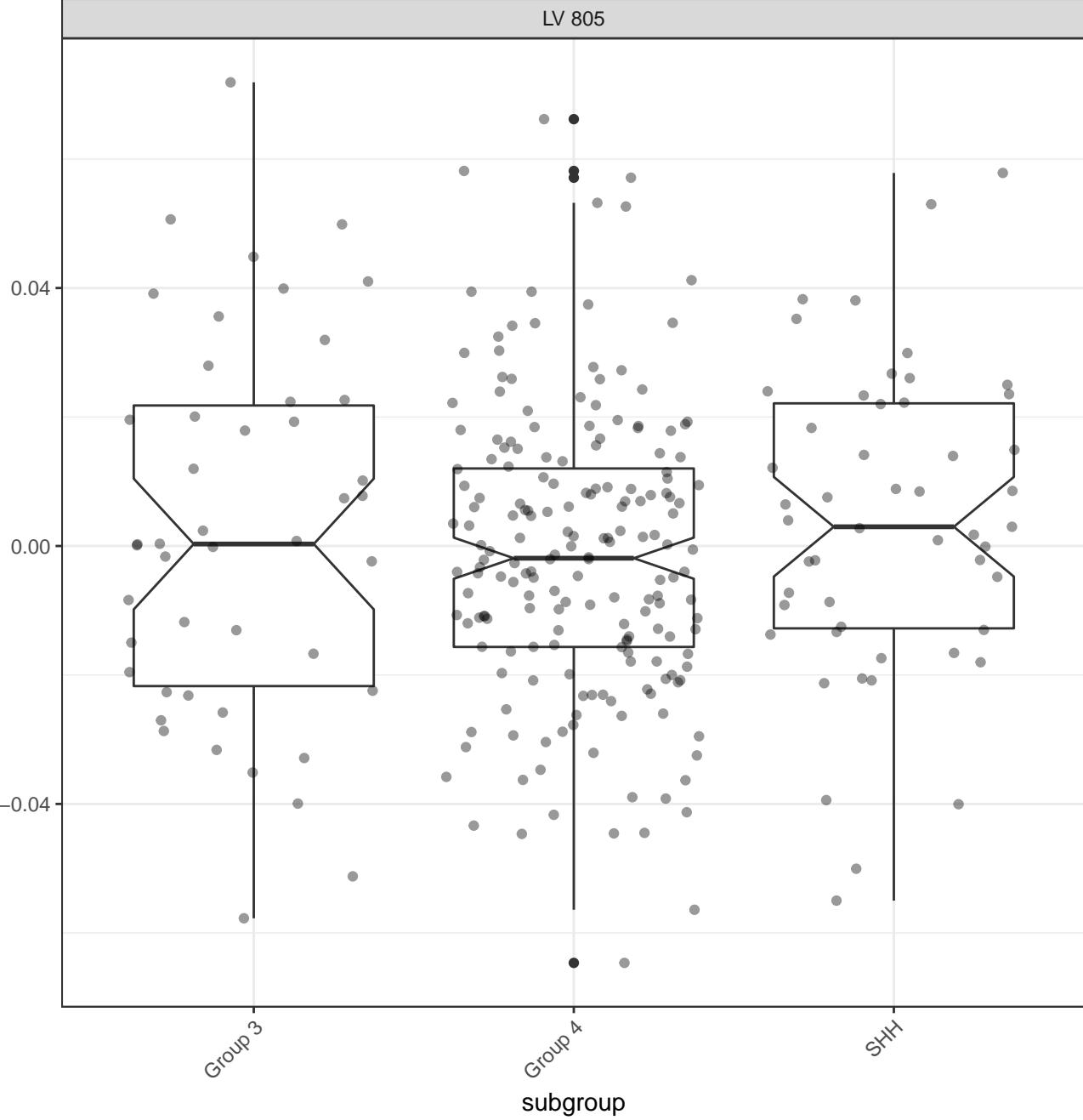
SHH

subgroup

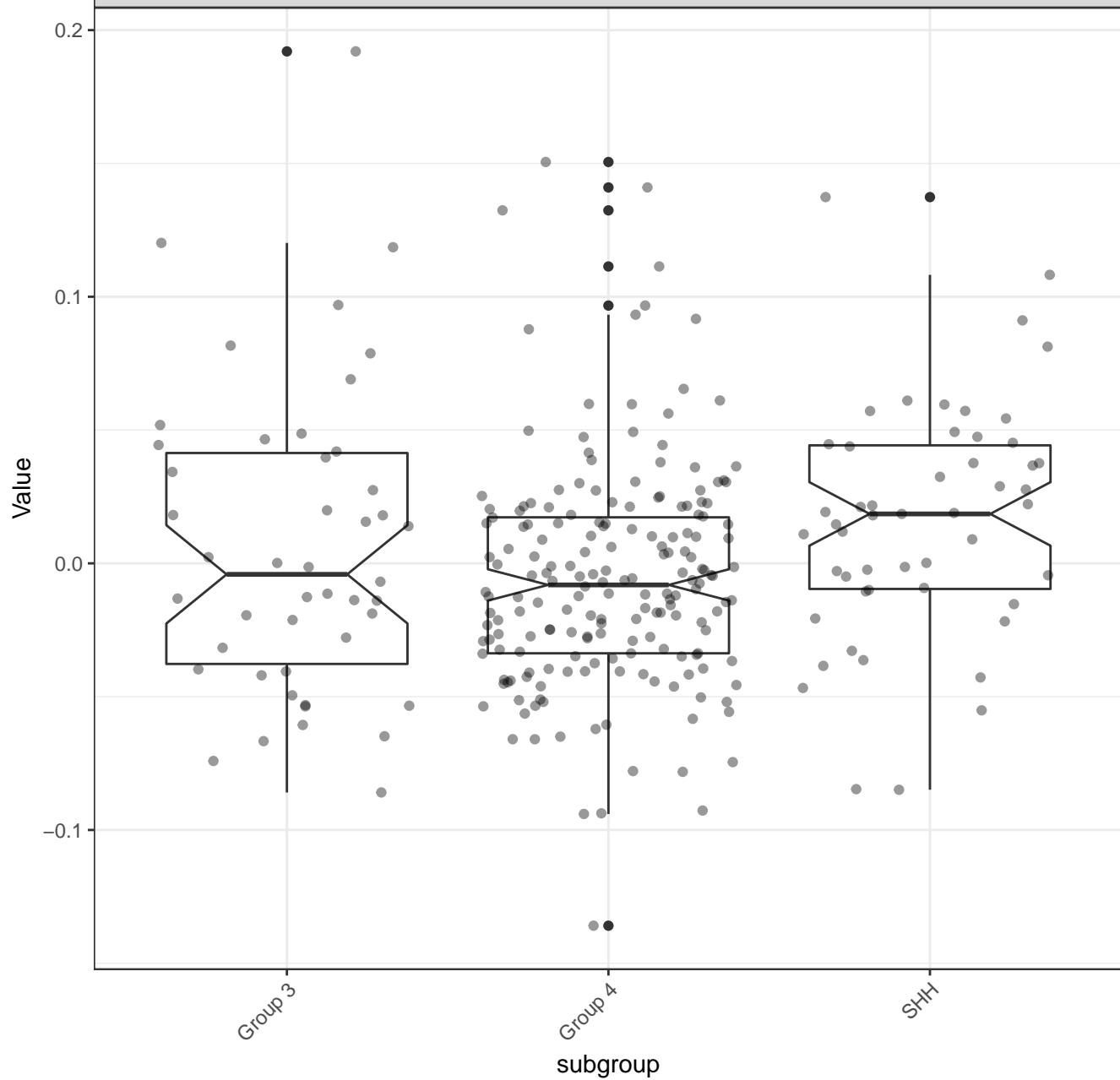


LV 805

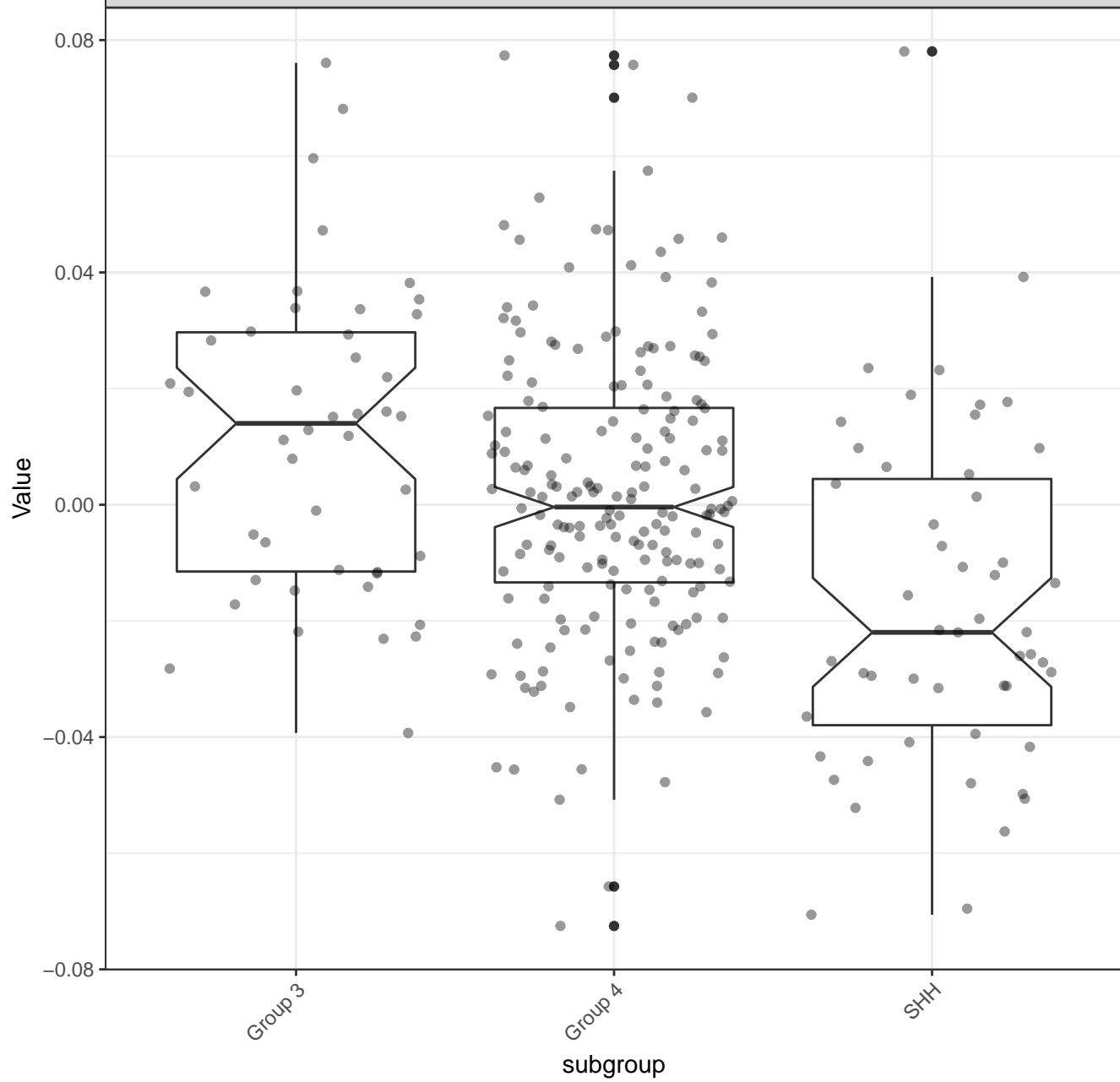
Value



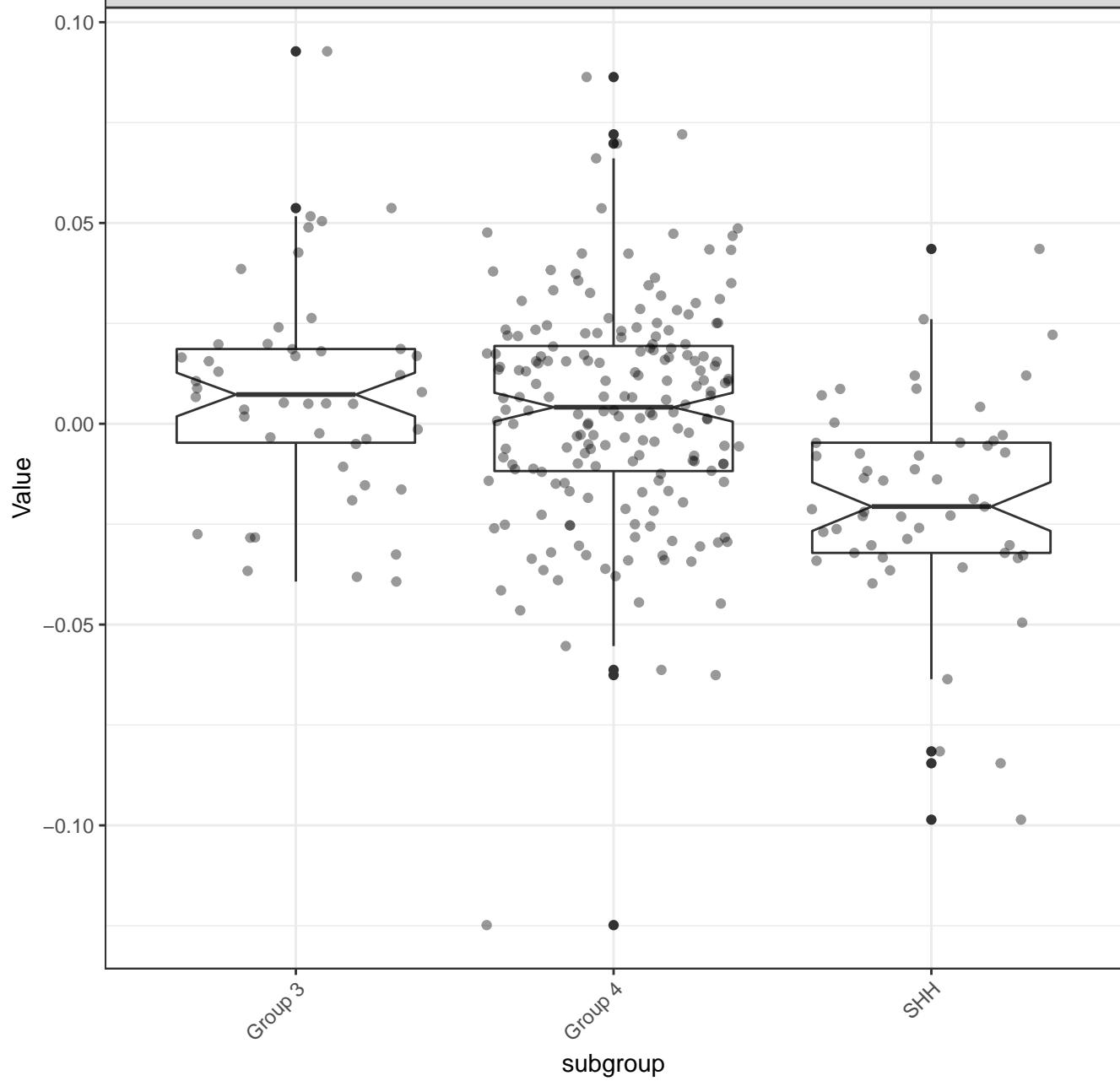
LV 806



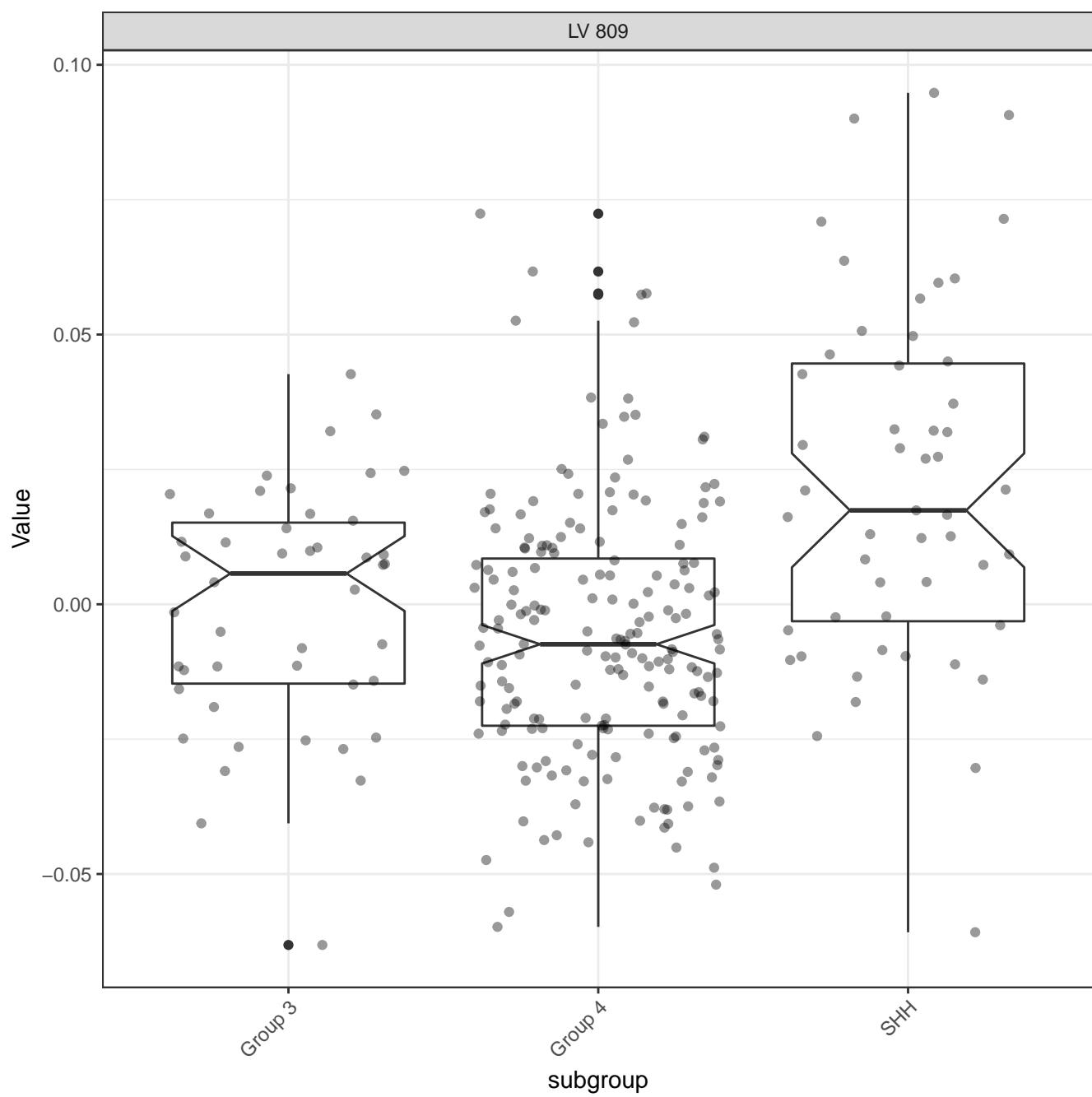
LV 807



LV 808



LV 809



LV 810

Value

0.05

0.00

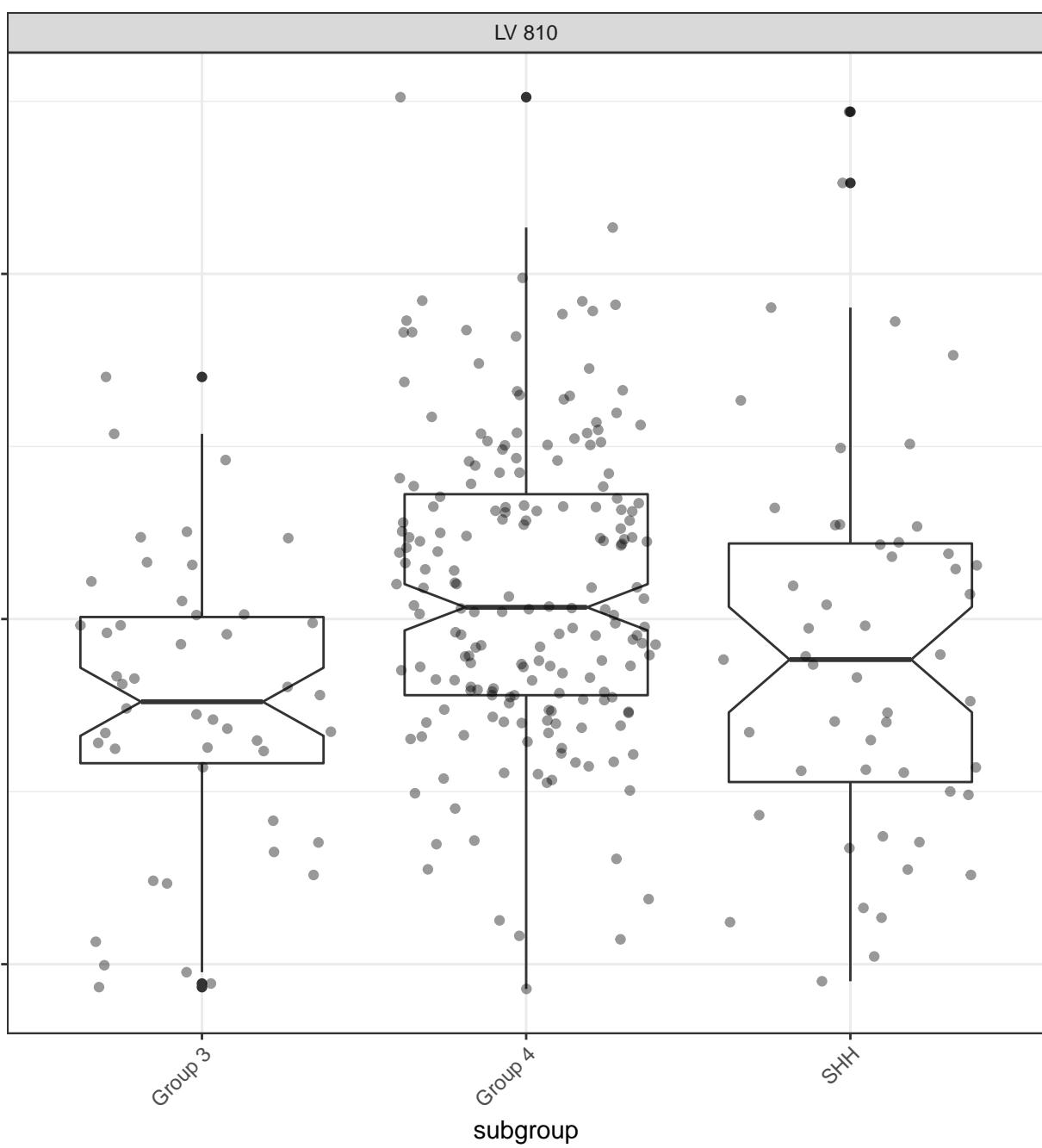
-0.05

Group 3

Group 4

SHH

subgroup



LV 811

Value

0.05

0.00

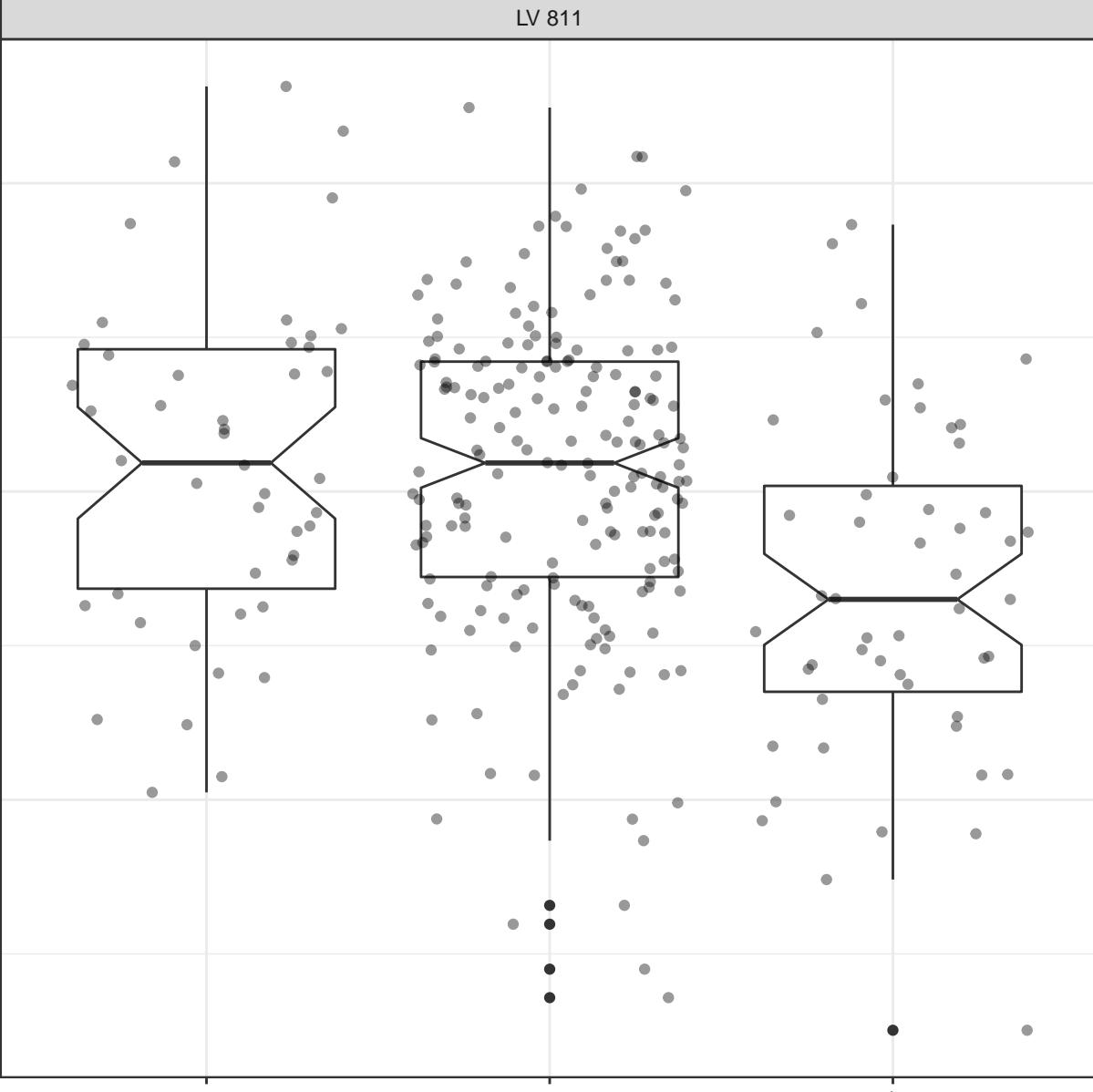
-0.05

Group 3

subgroup

Group 4

SHH



LV 812

Value

0.10

0.05

0.00

-0.05

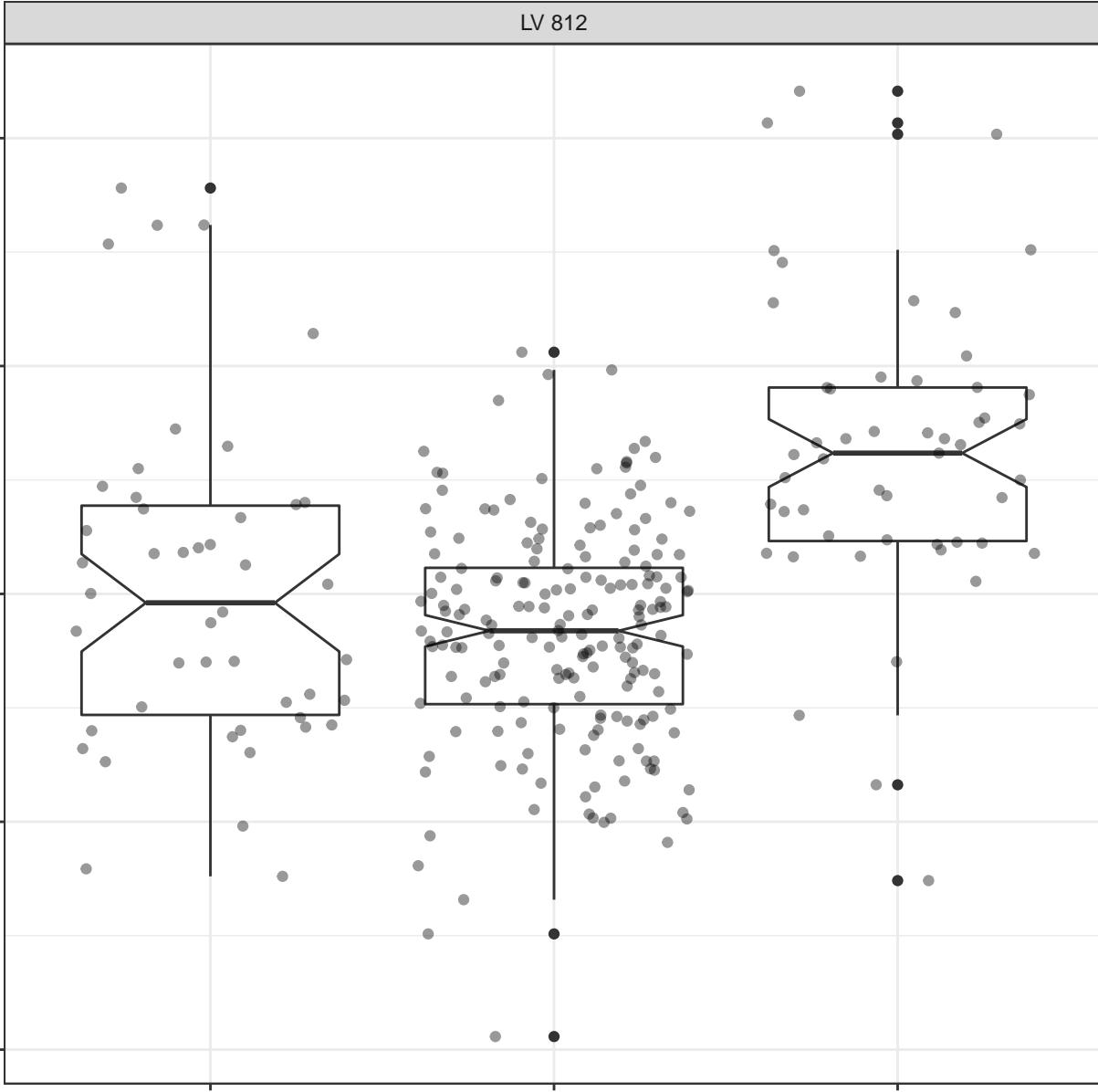
-0.10

Group 3

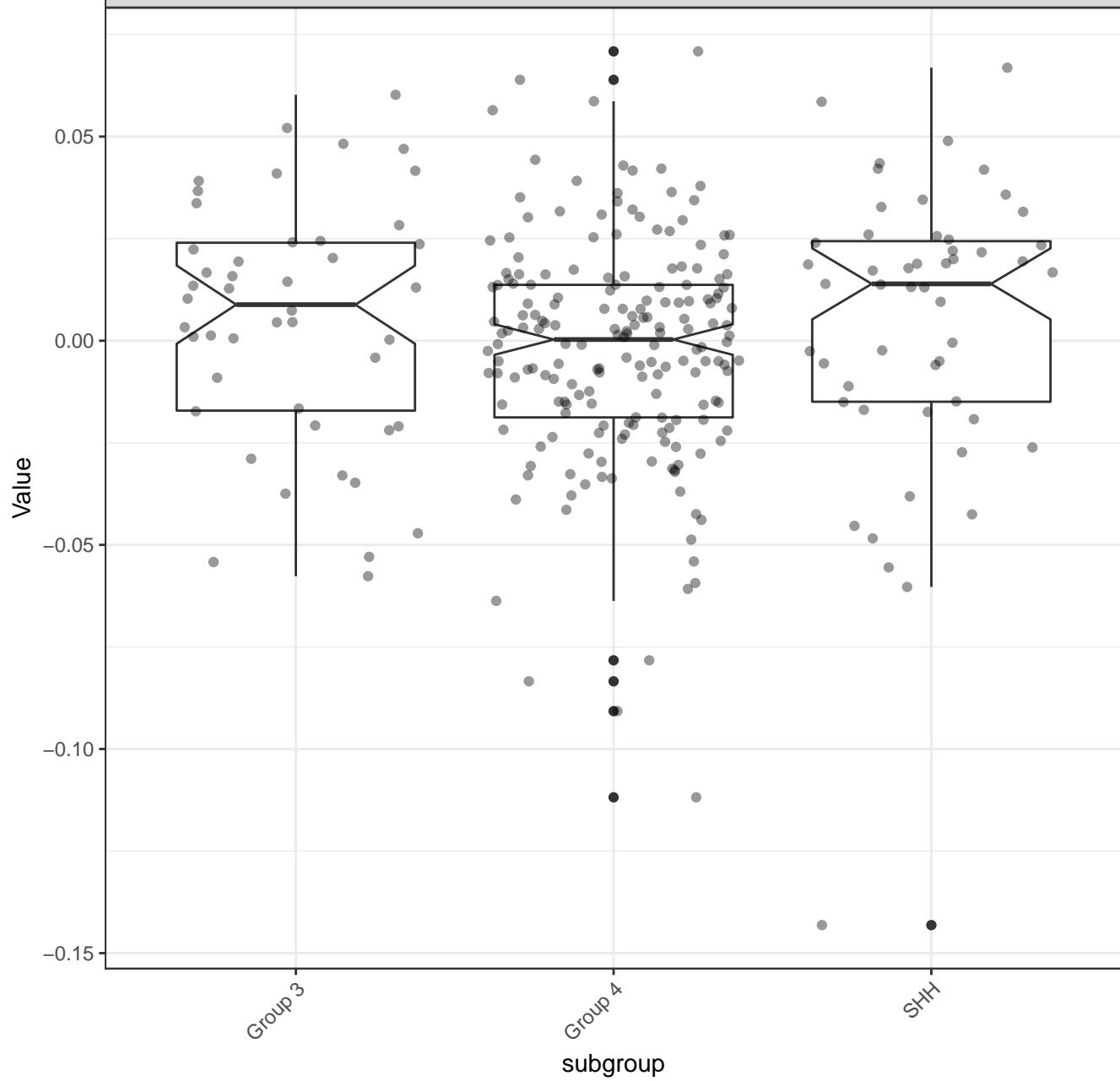
subgroup

Group 4

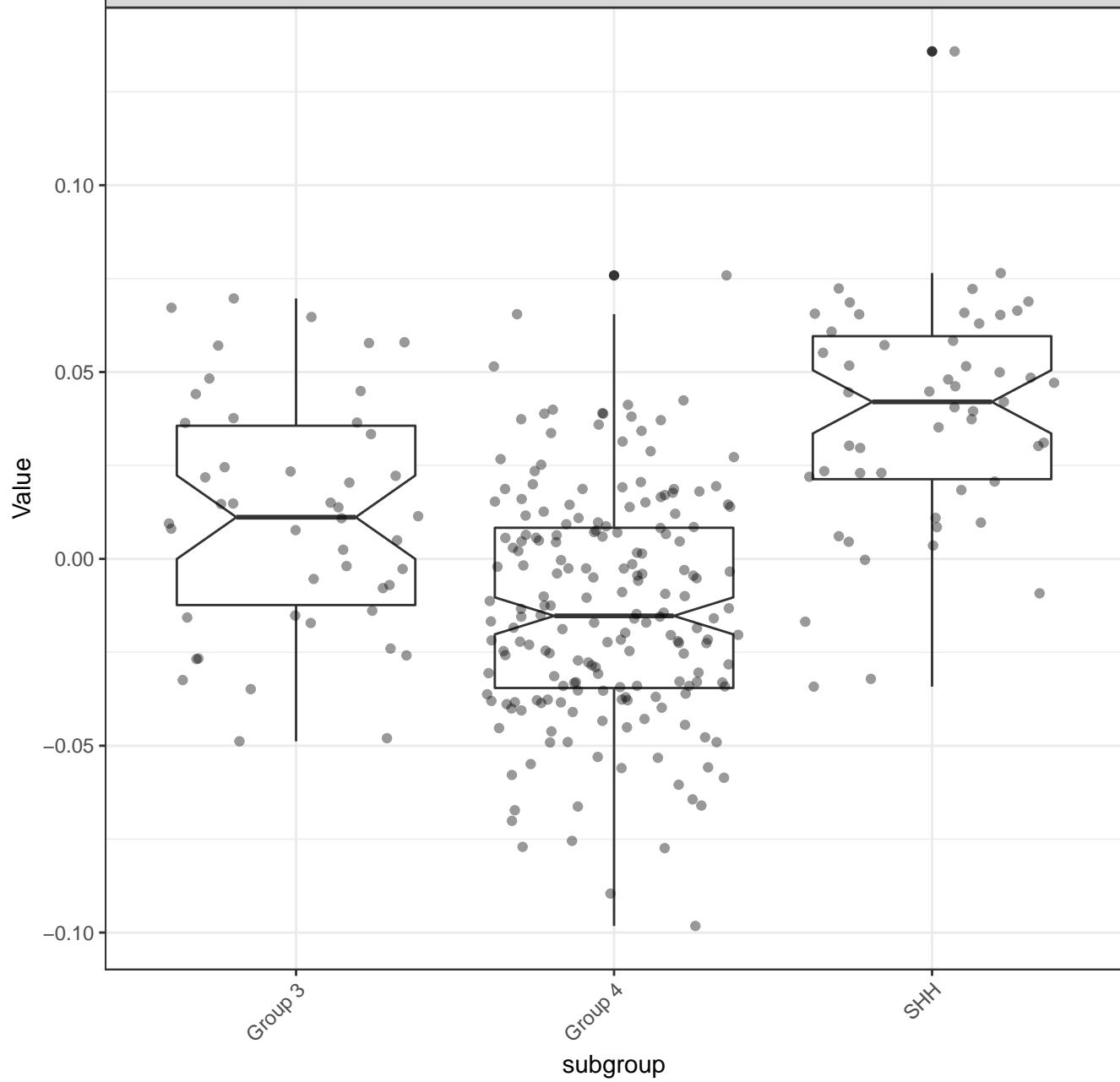
SHH



LV 813



LV 814



LV 815

Value

0.10

0.05

0.00

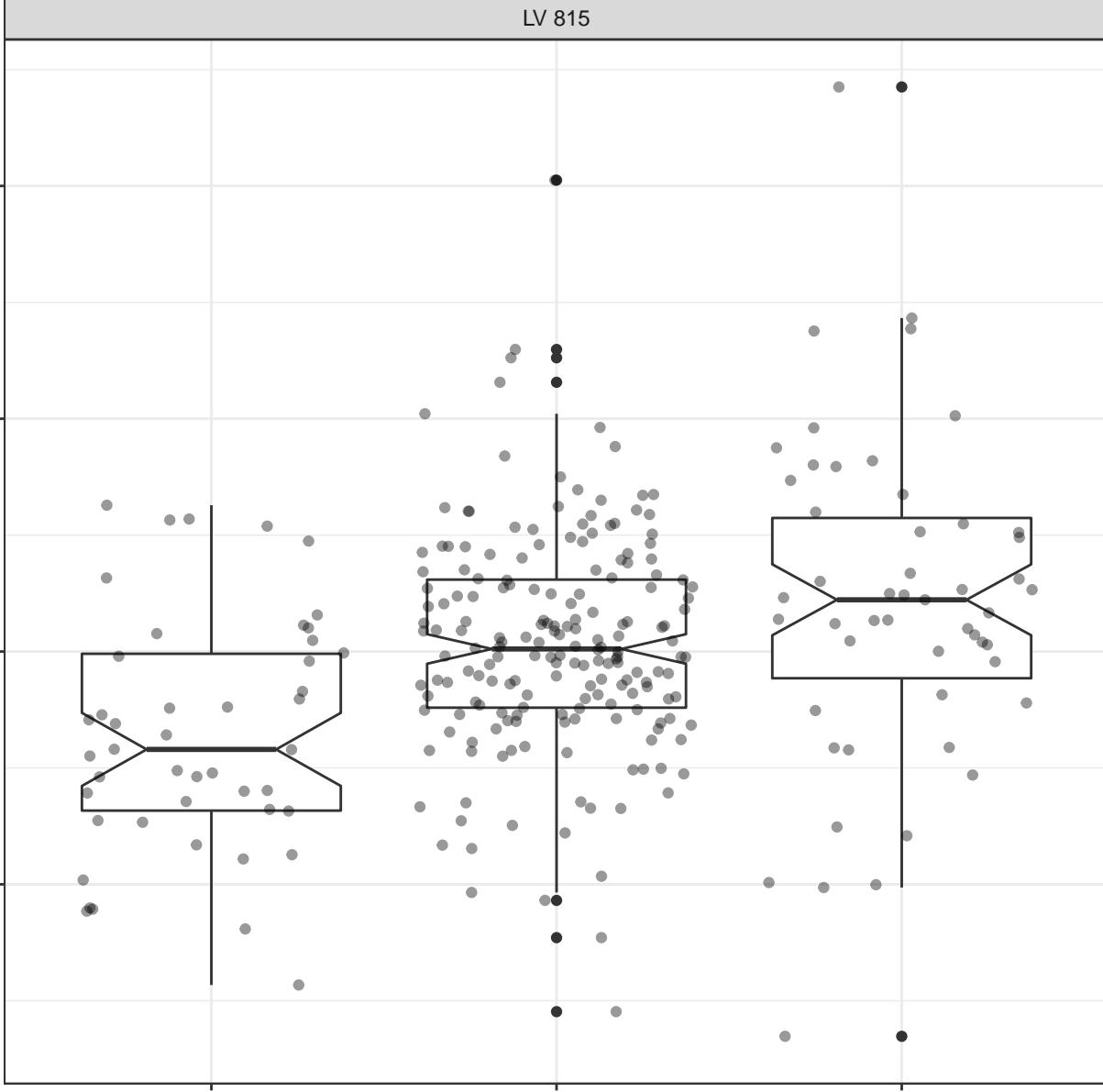
-0.05

Group 3

subgroup

Group 4

SHH



LV 816

Value

0.4

0.2

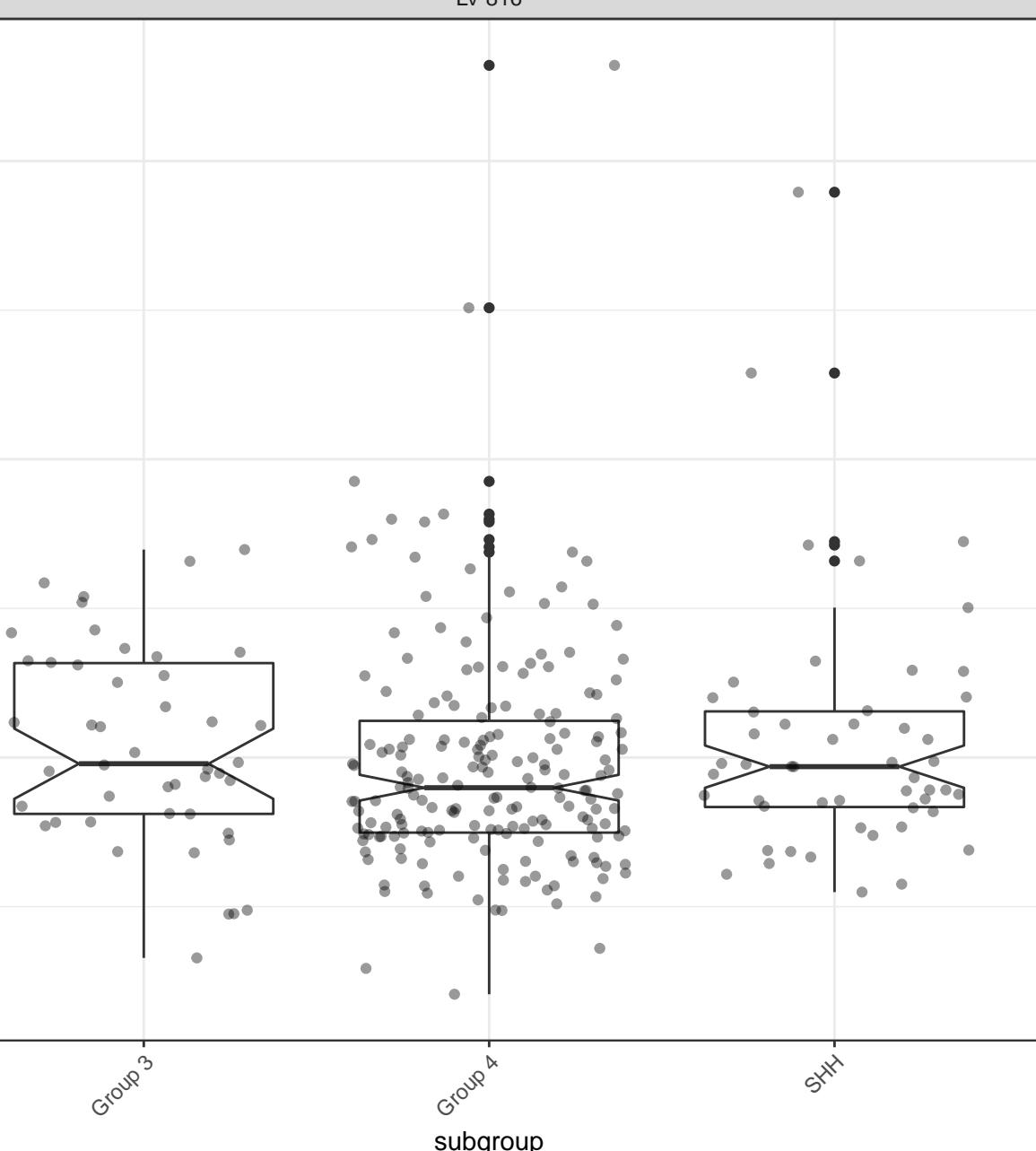
0.0

Group 3

Group 4

SHH

subgroup



LV 817

Value

0.10

0.05

0.00

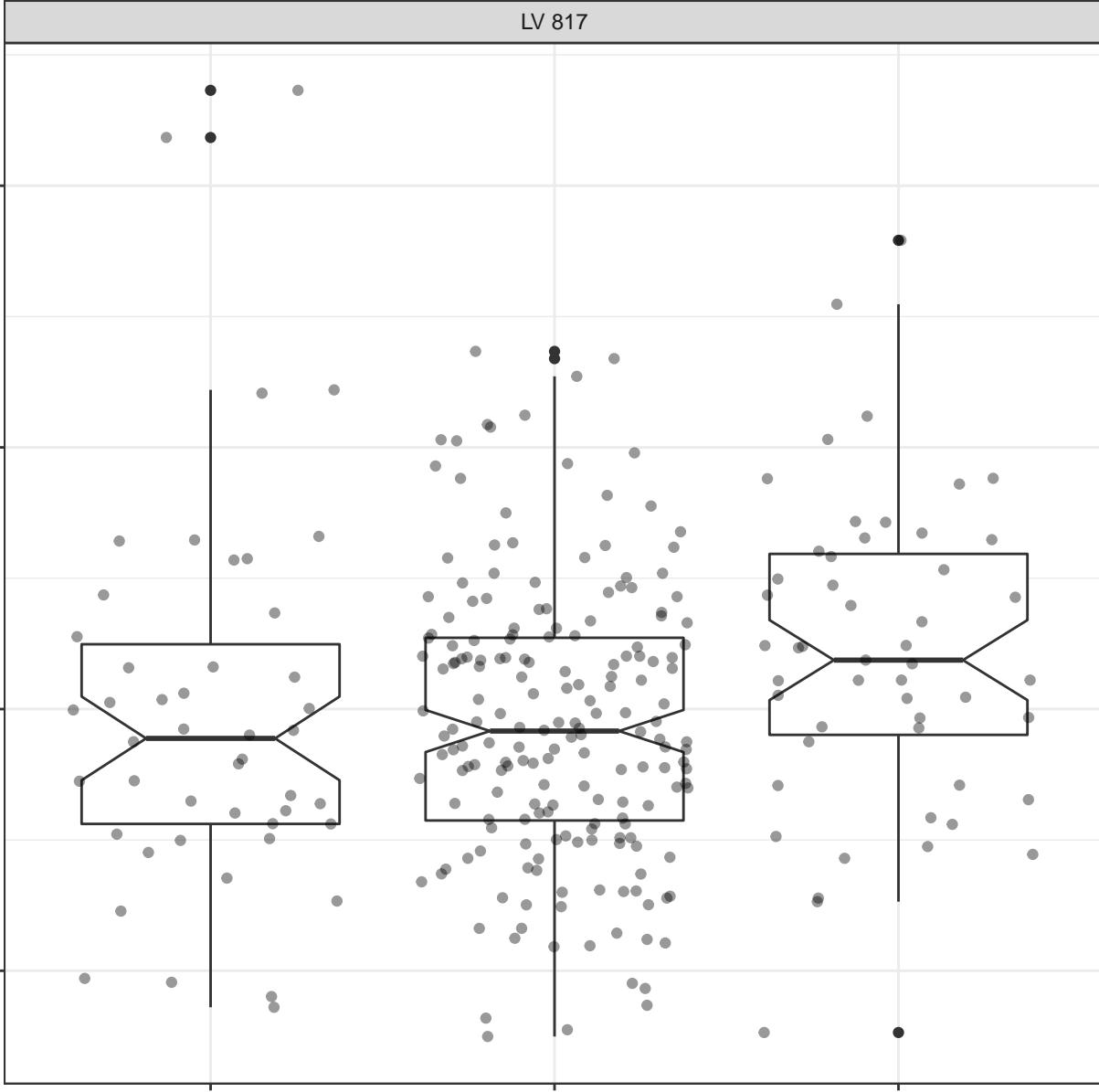
-0.05

Group 3

subgroup

Group 4

SHH



LV 818

Value

0.05

0.00

-0.05

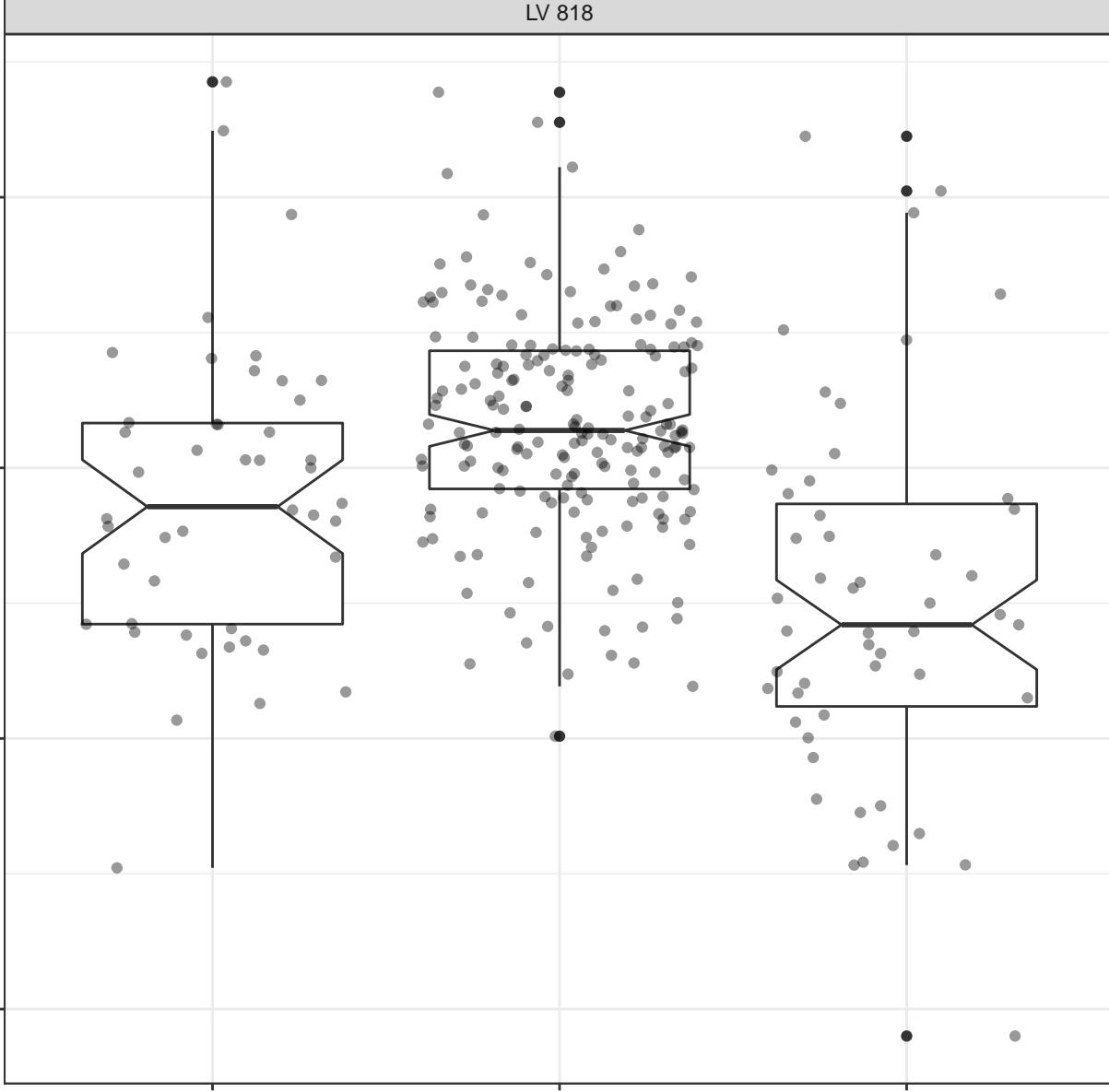
-0.10

Group 3

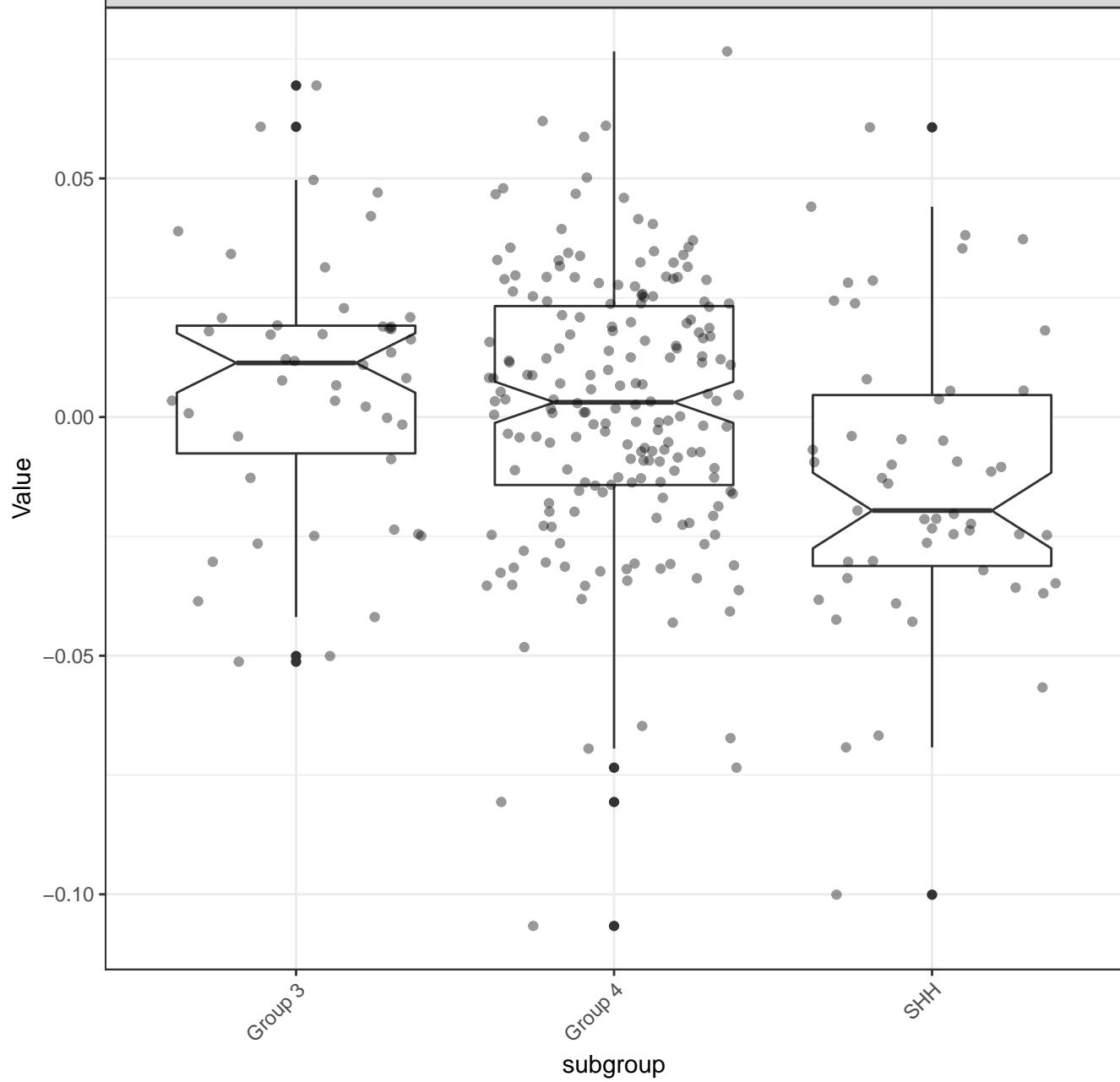
Group 4

SHH

subgroup



LV 819



LV 820

Value

0.10

0.05

0.00

-0.05

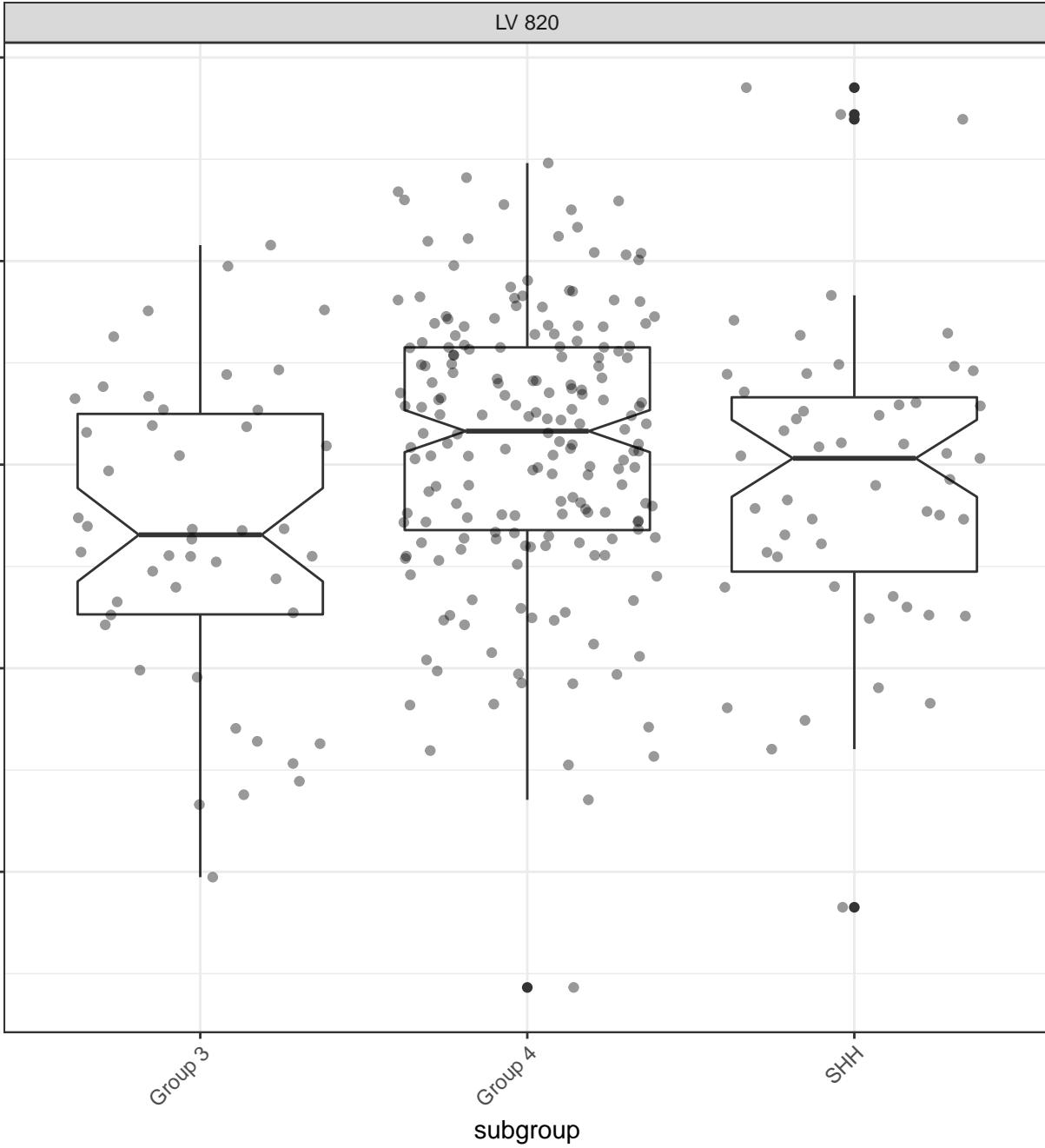
-0.10

Group 3

Group 4

SHH

subgroup



LV 821

Value

0.2

0.1

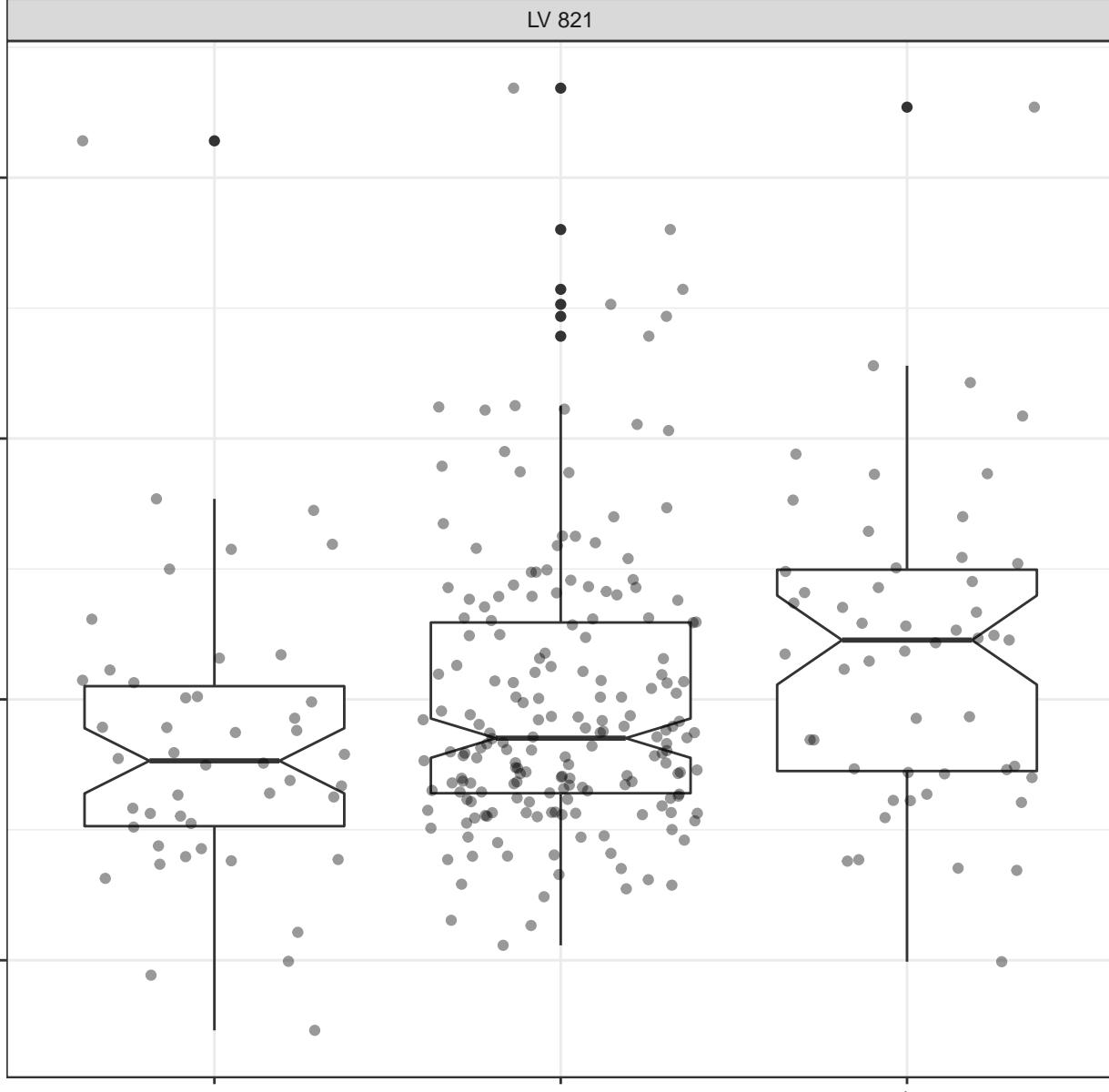
0.0

-0.1

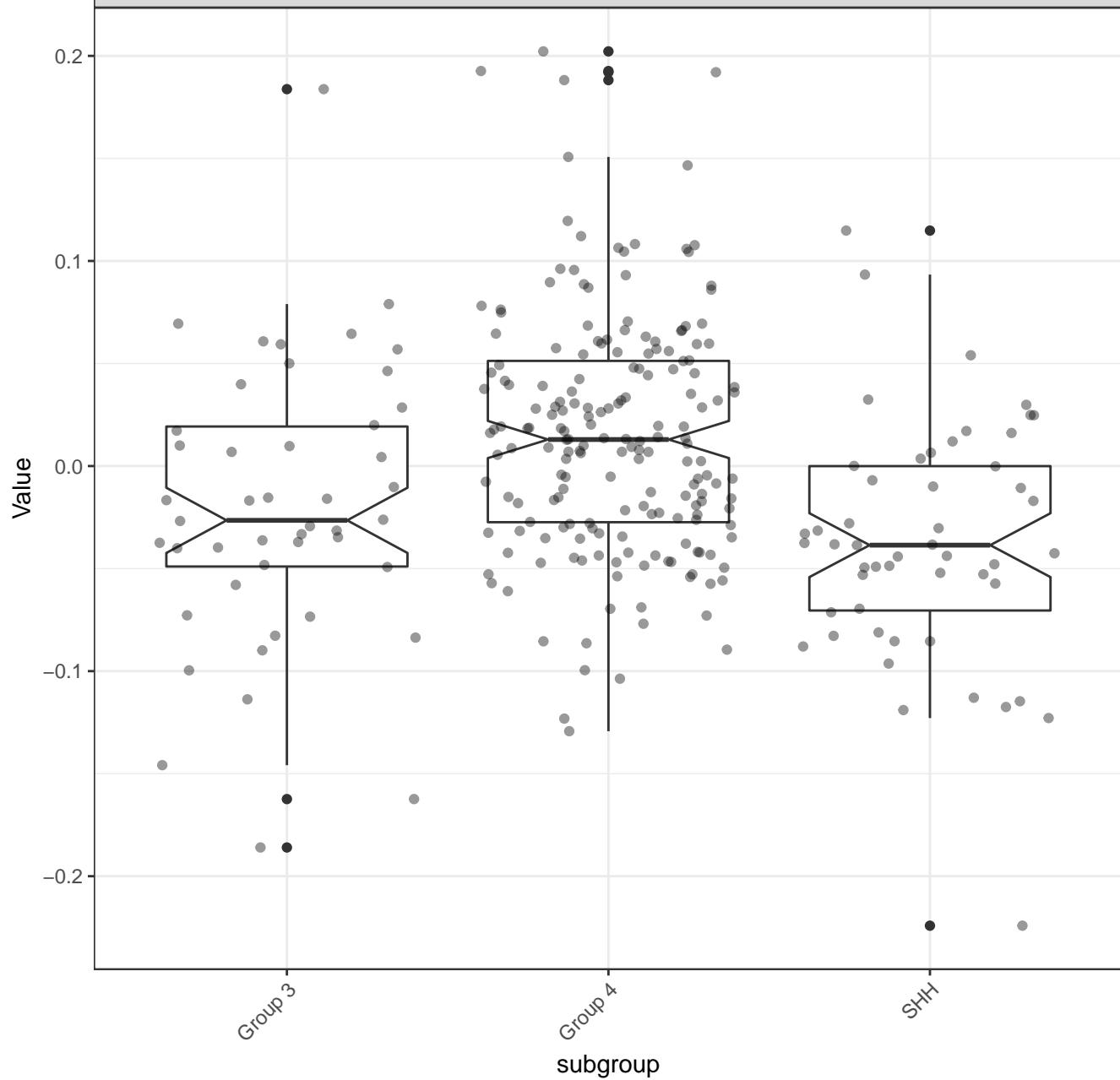
Group³Group⁴

SHH

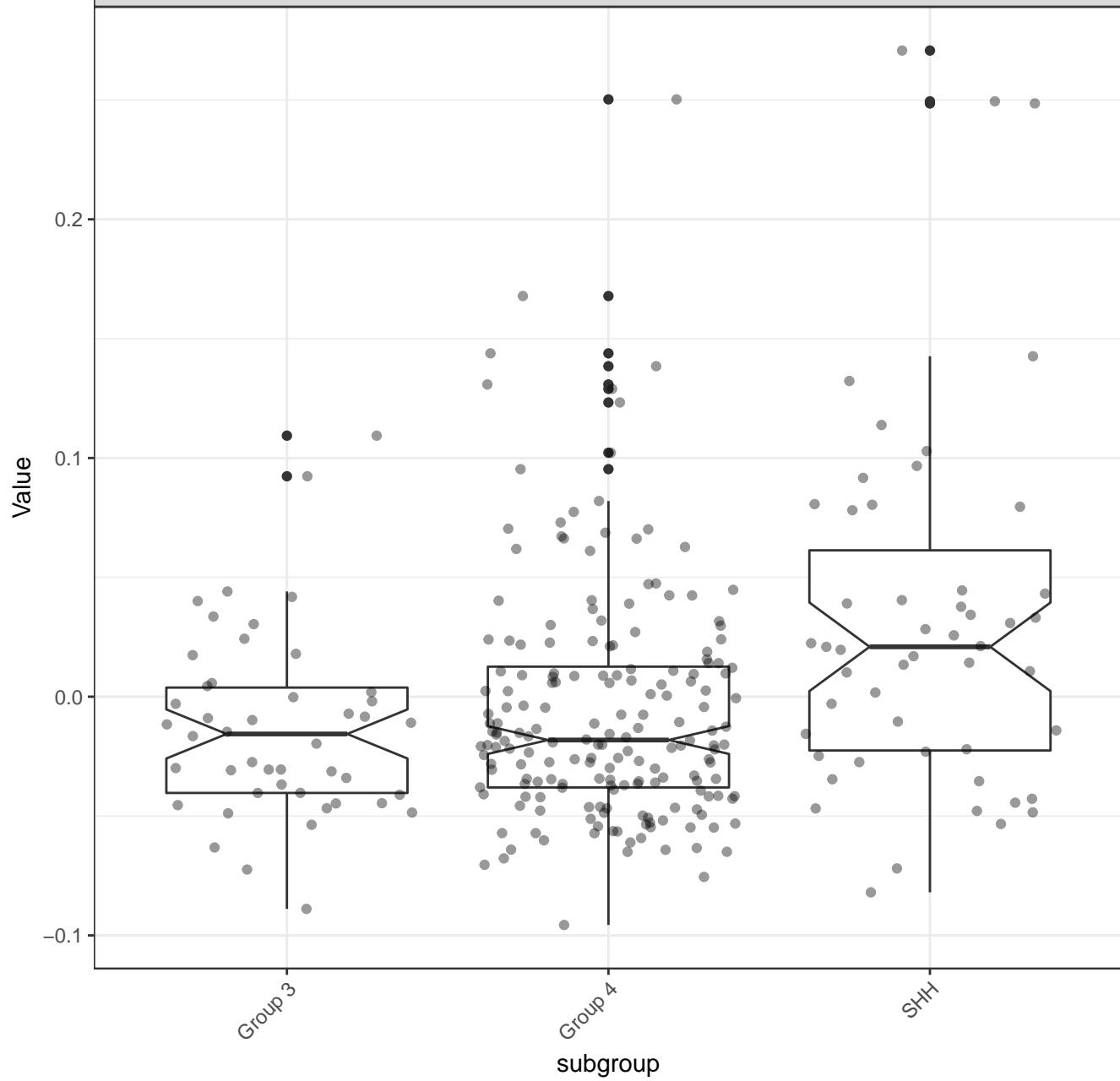
subgroup



LV 822



823,SVM T cells CD4 memory resting



LV 824

Value

0.10

0.05

0.00

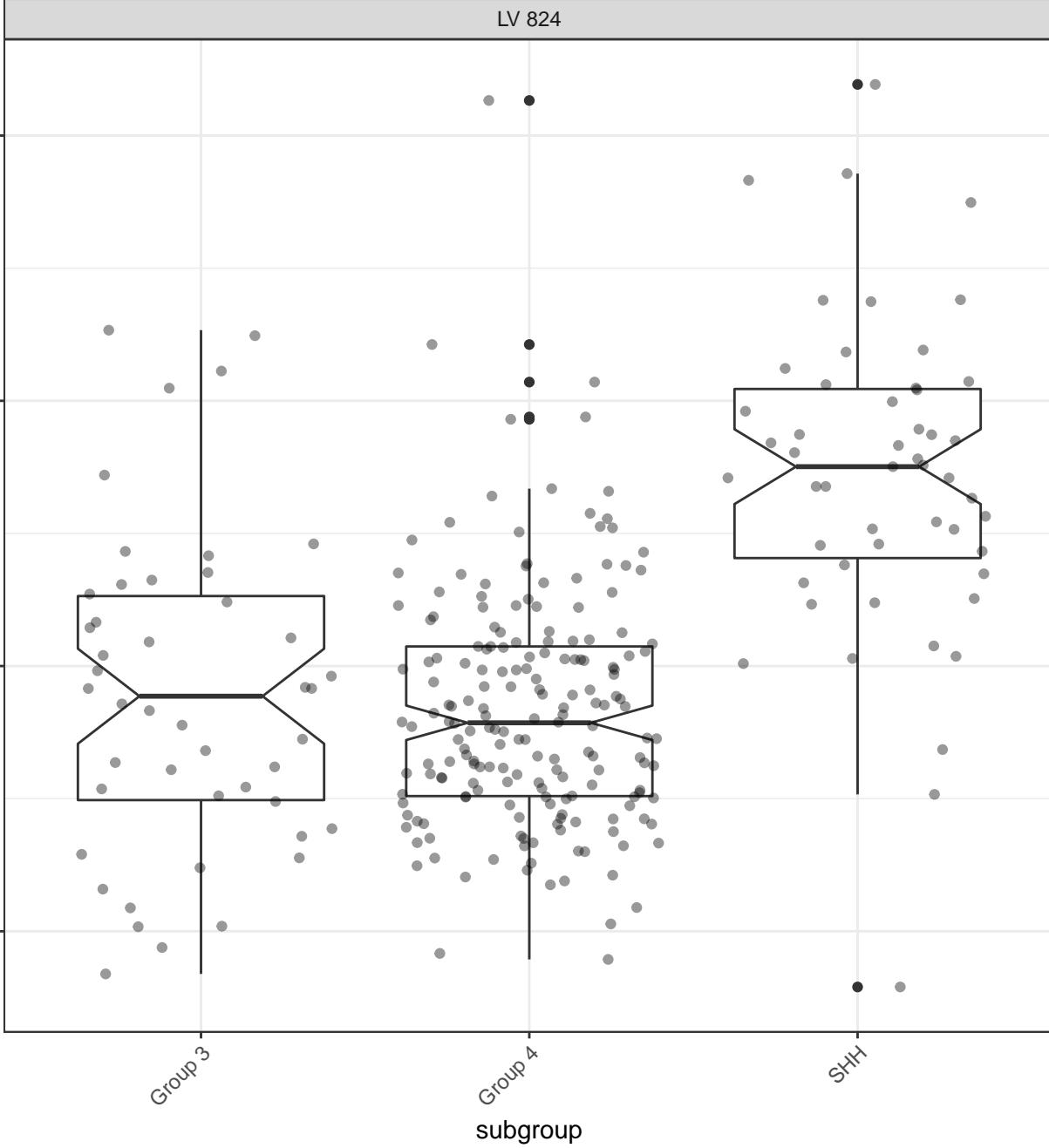
-0.05

Group 3

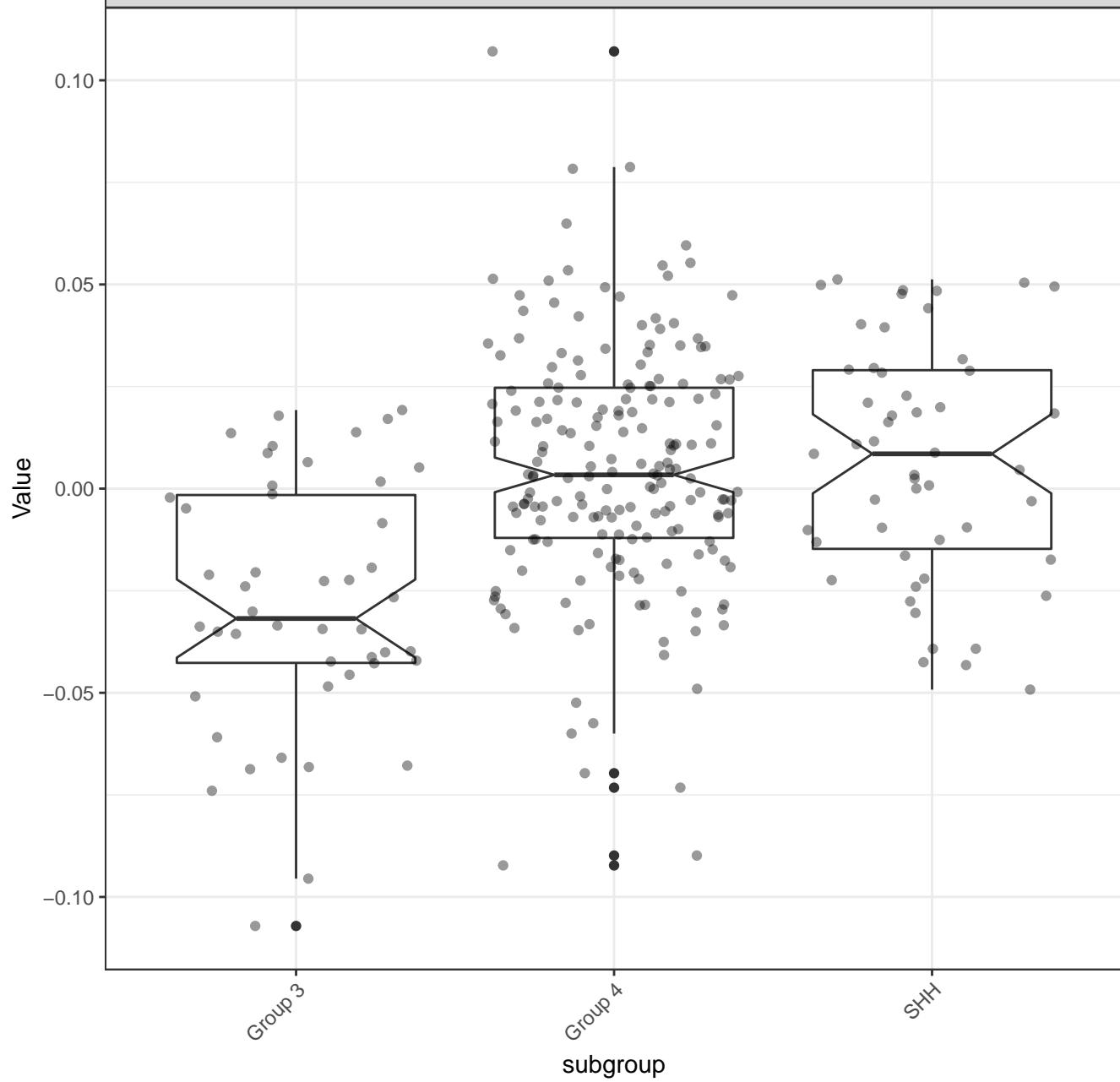
Group 4

SHH

subgroup



LV 825



LV 826

Value

0.05

0.00

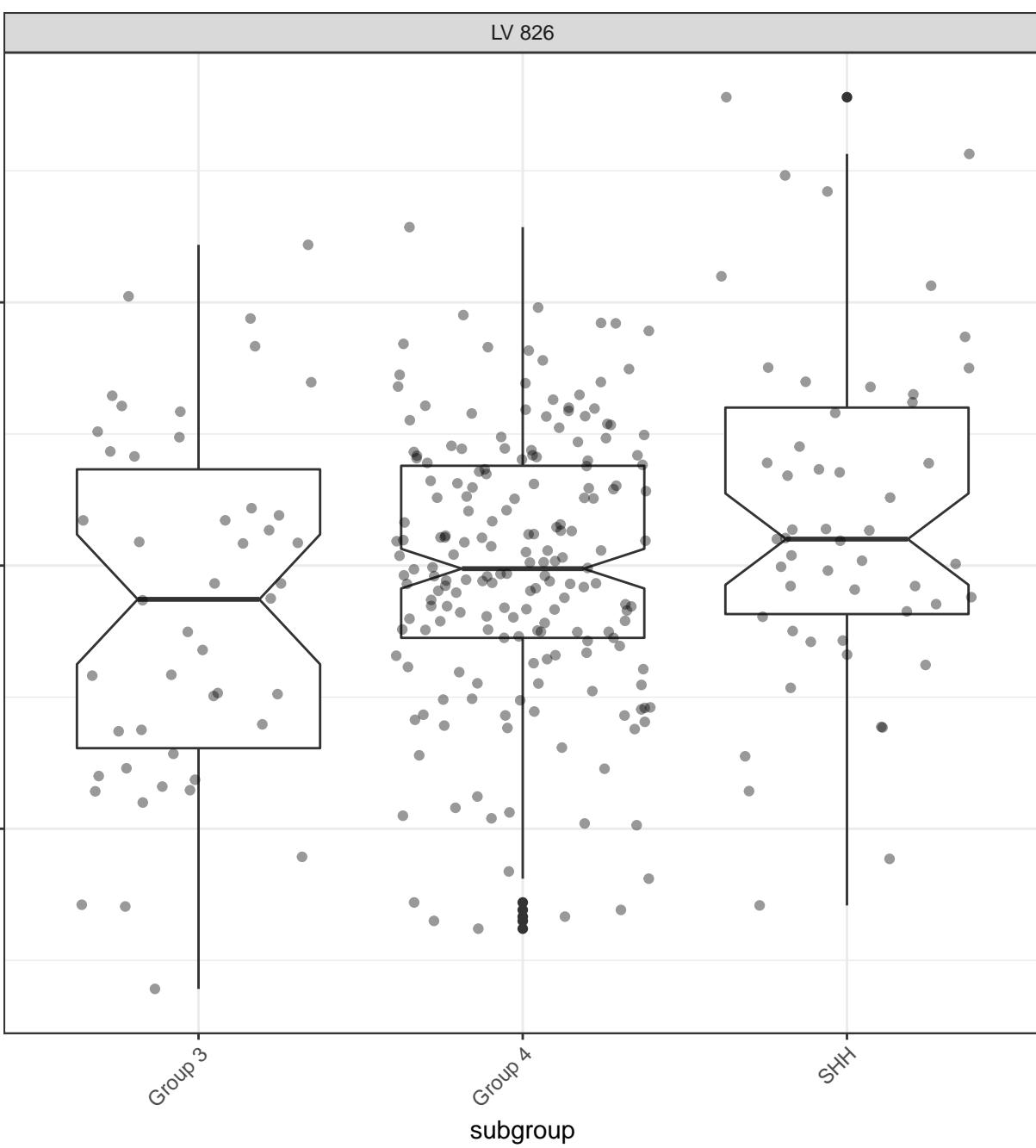
-0.05

Group 3

Group 4

SHH

subgroup



827,KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY

Value

0.2

0.1

0.0

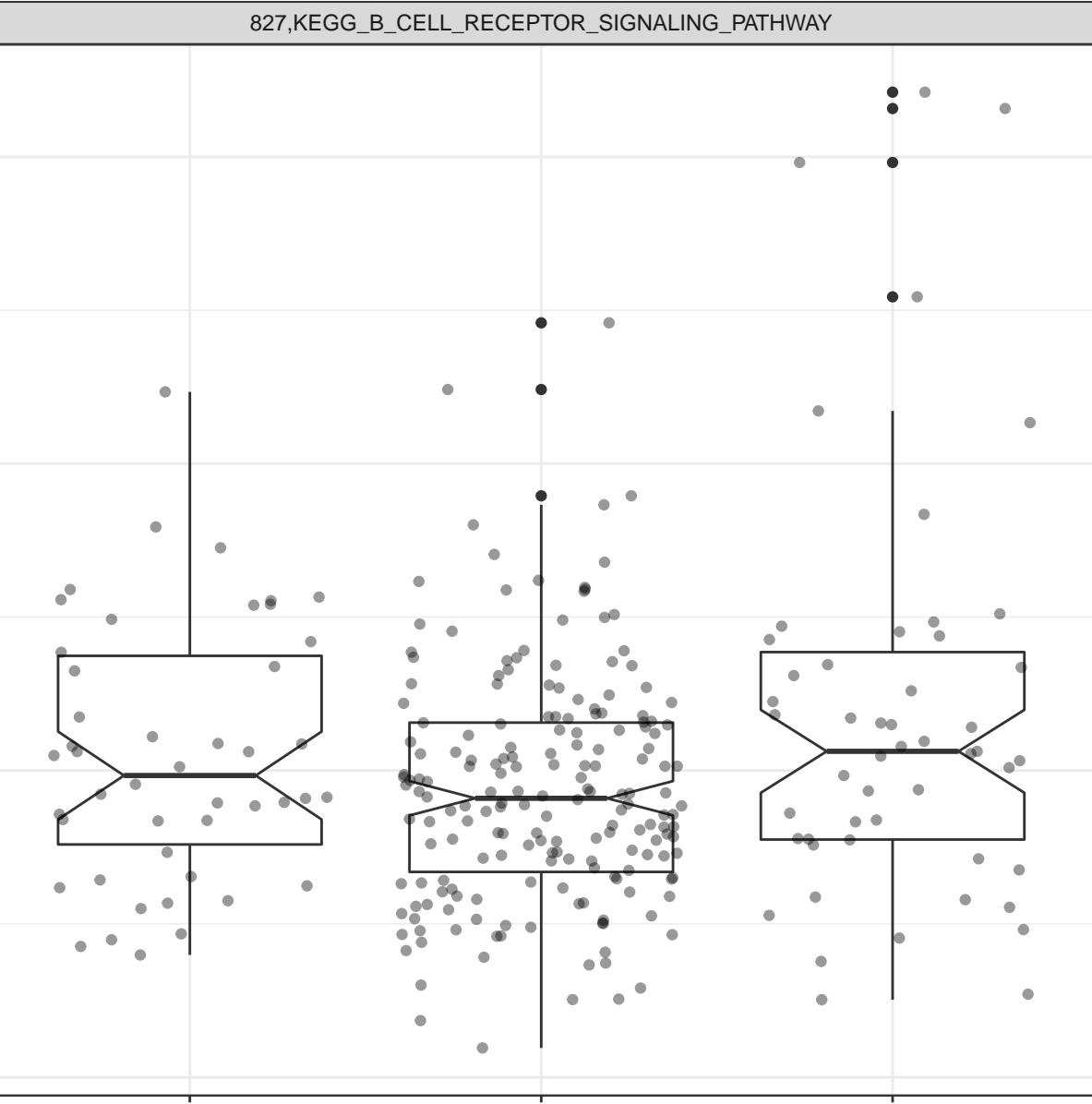
-0.1

Group 3

Group 4

SHH

subgroup



LV 828

Value

0.2

0.1

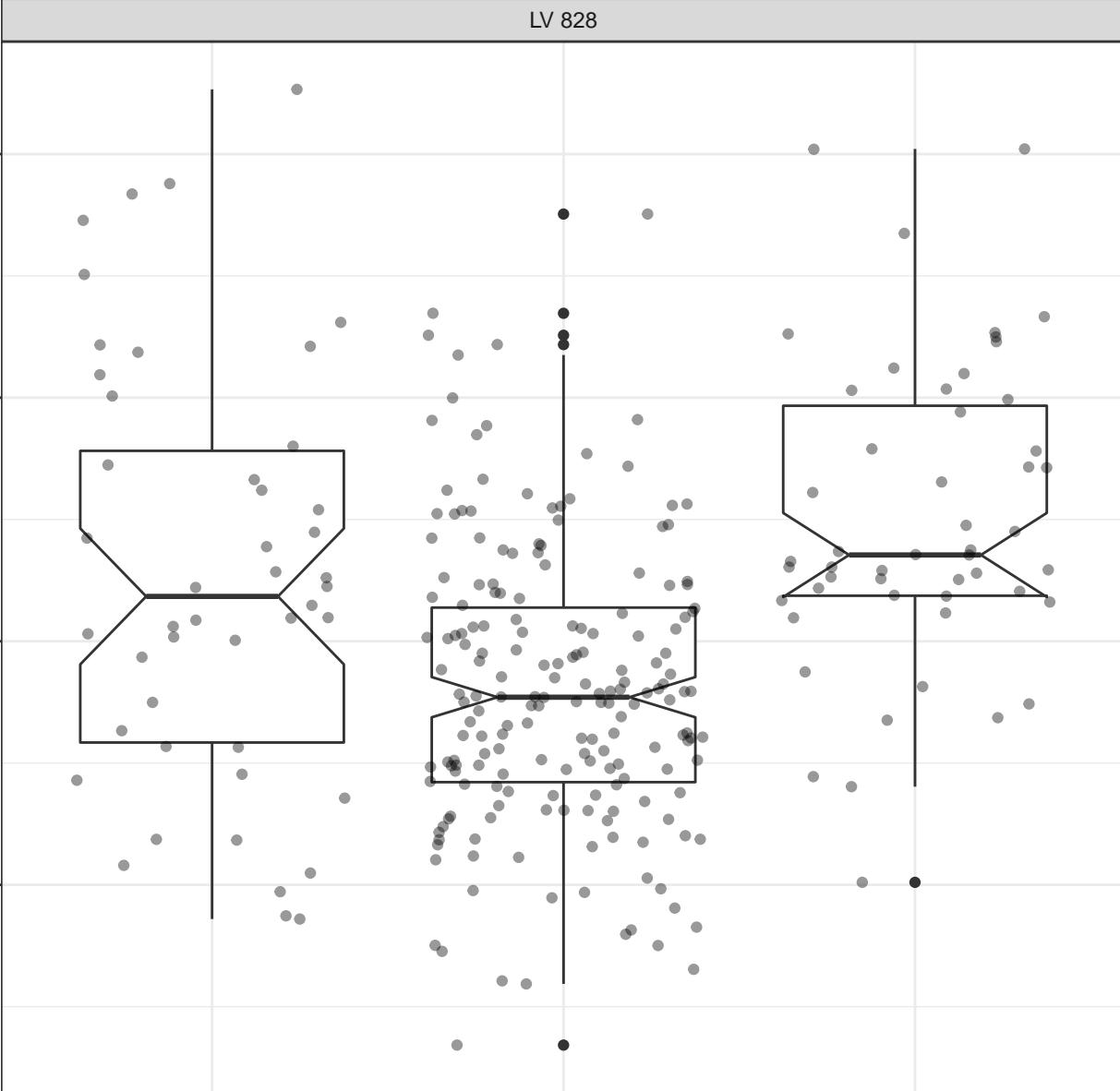
0.0

-0.1

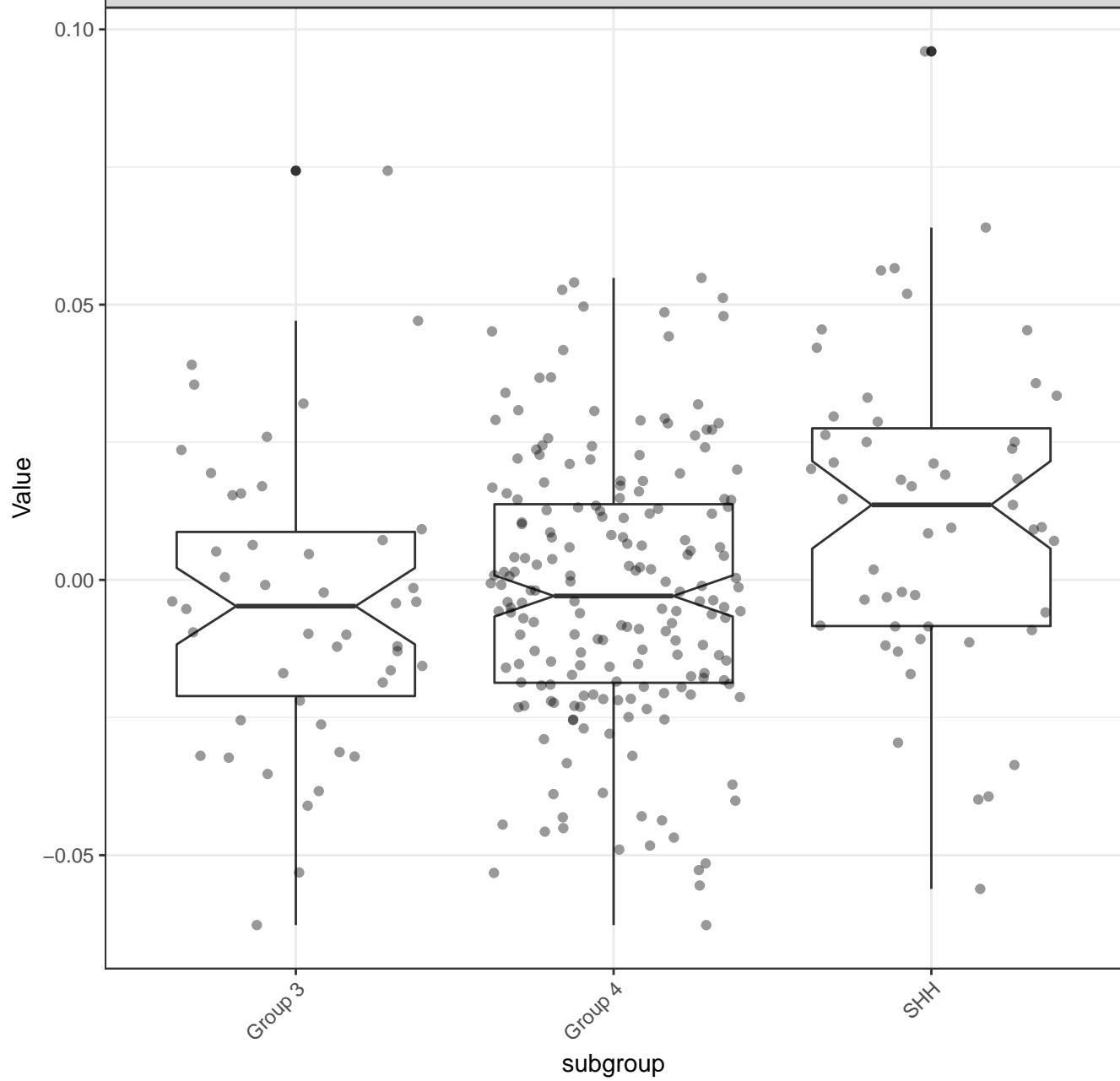
Group³

subgroup

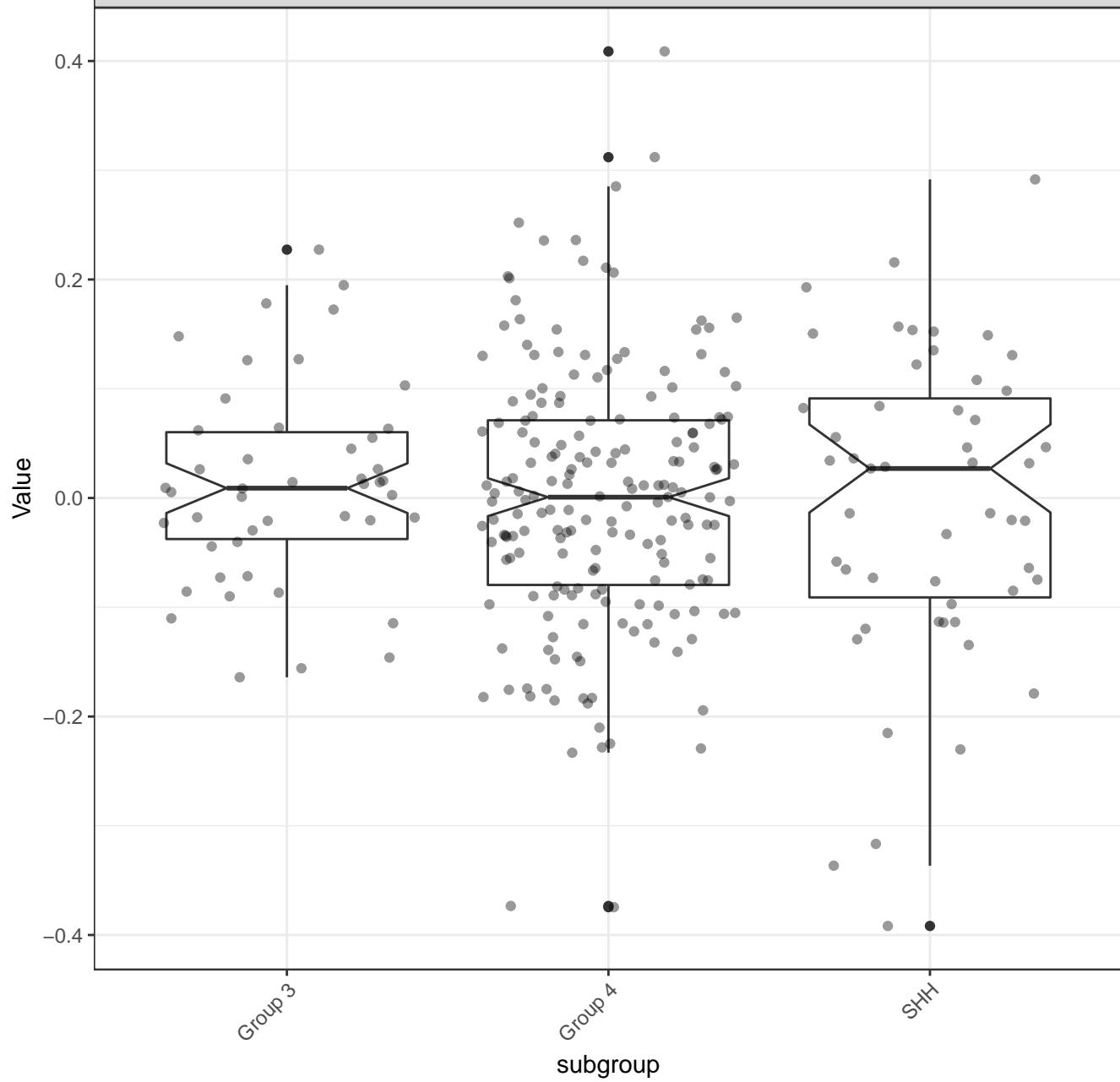
SHH



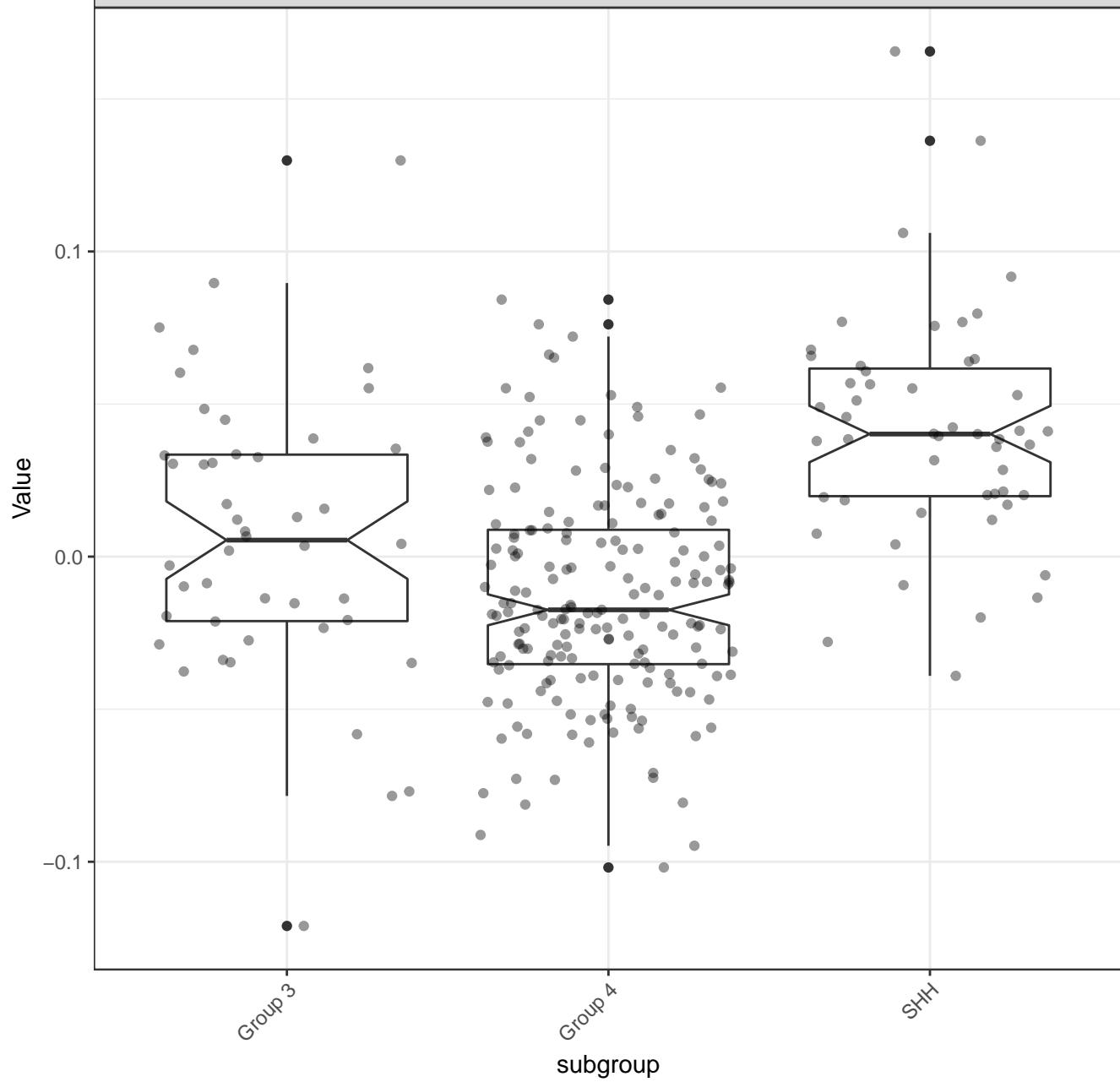
LV 829



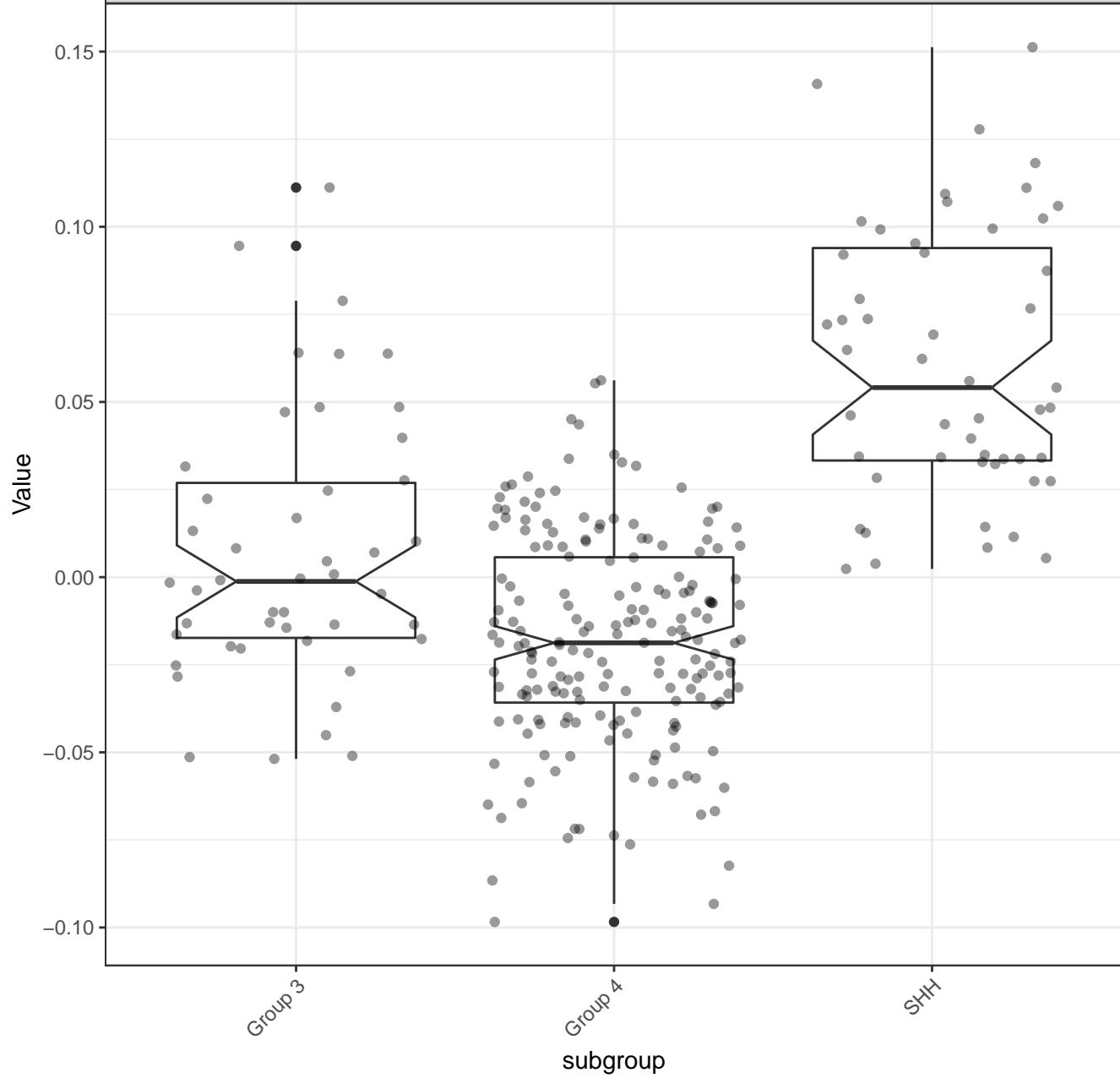
LV 830



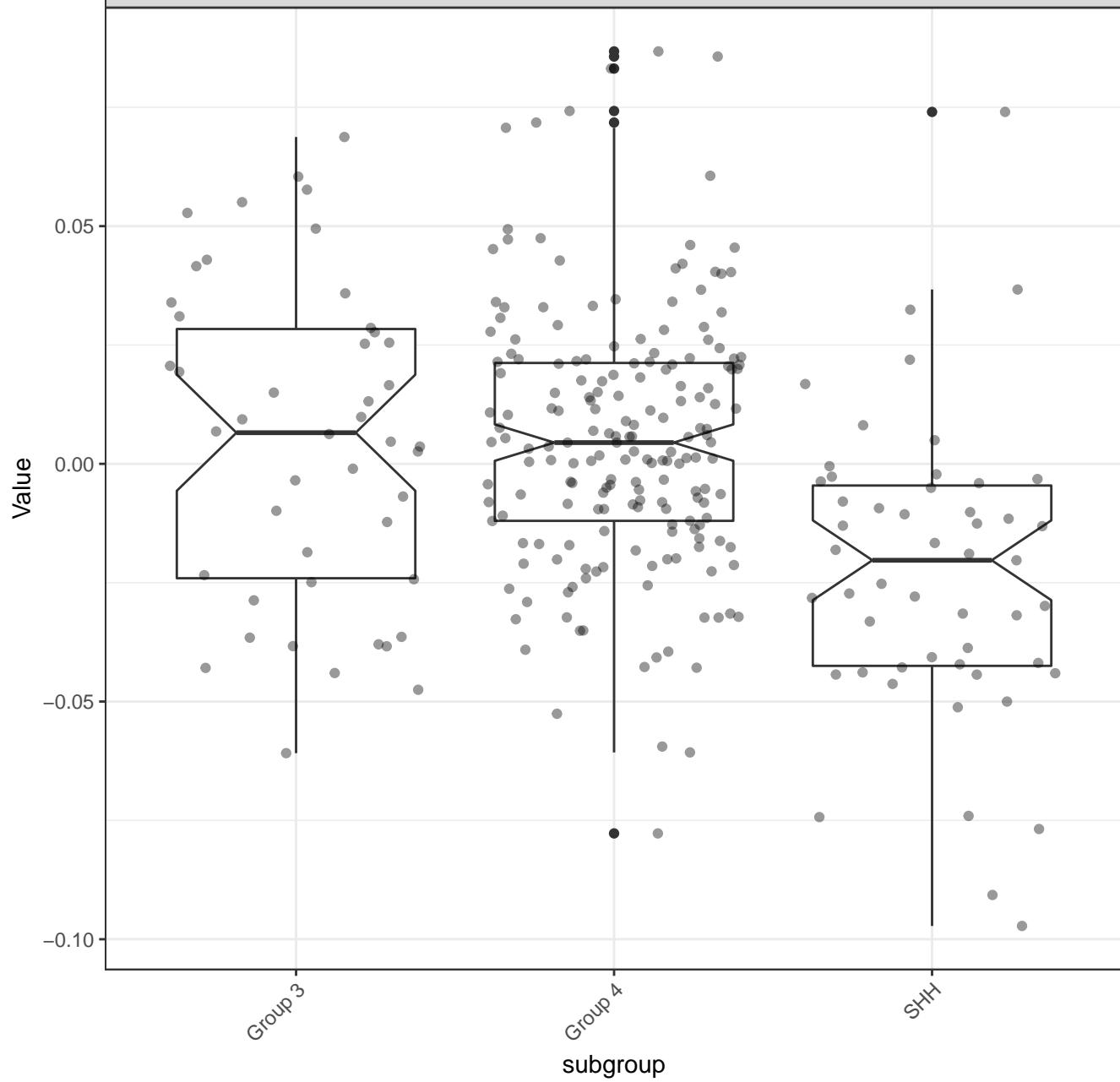
LV 831



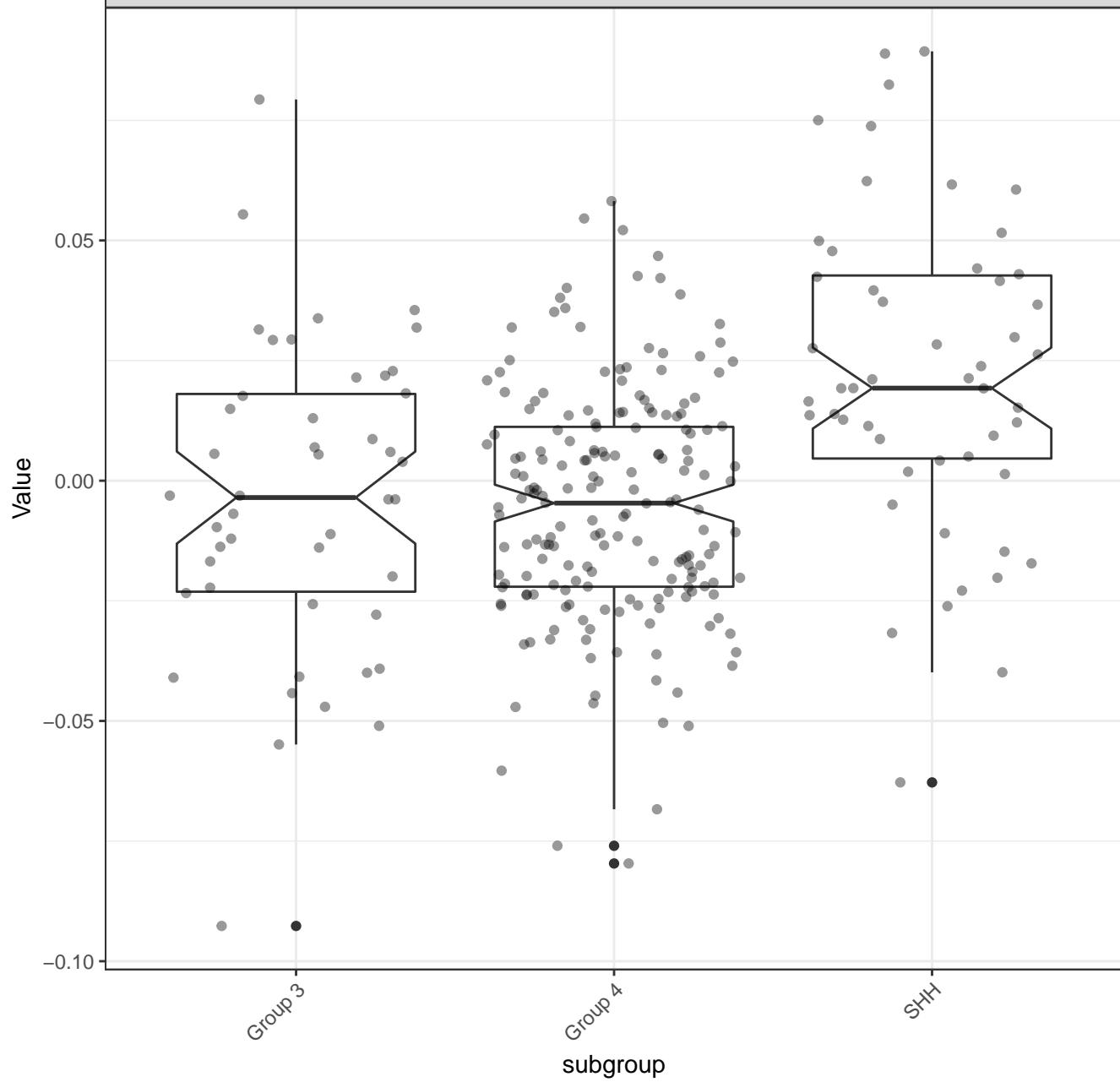
832,KEGG_CYSTEINE_AND_METHIONINE_METABOLISM



LV 833



LV 834



LV 835

Value

0.2

0.1

0.0

-0.1

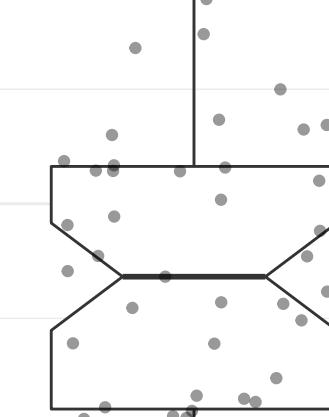
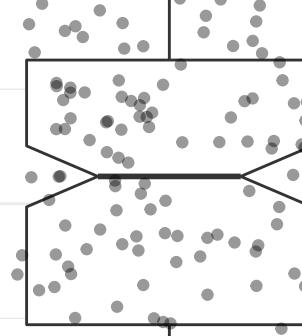
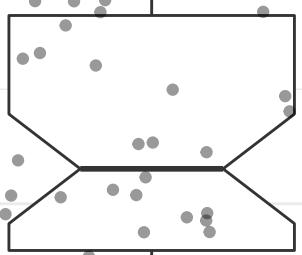
-0.2

Group 3

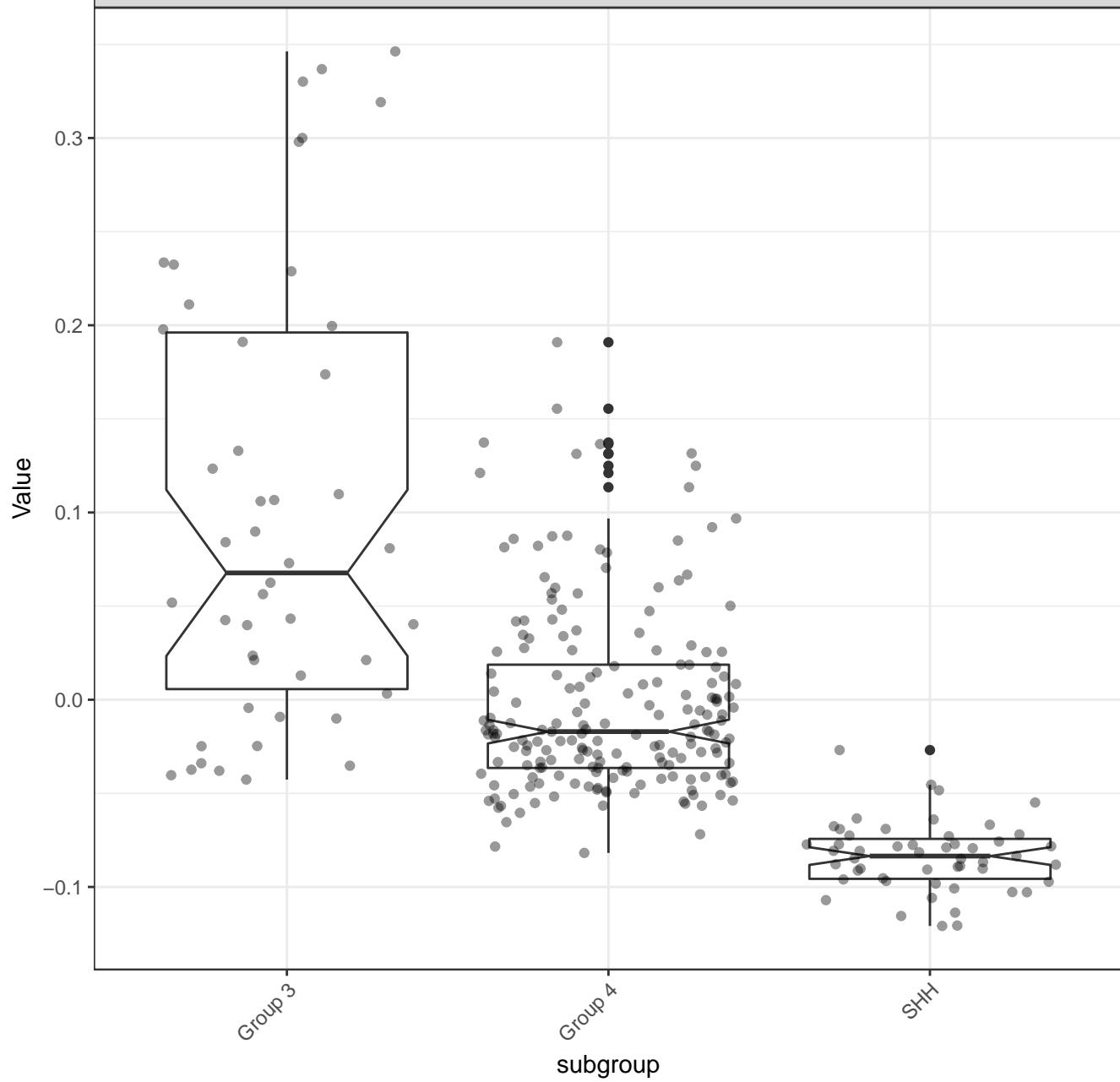
Group 4

SHH

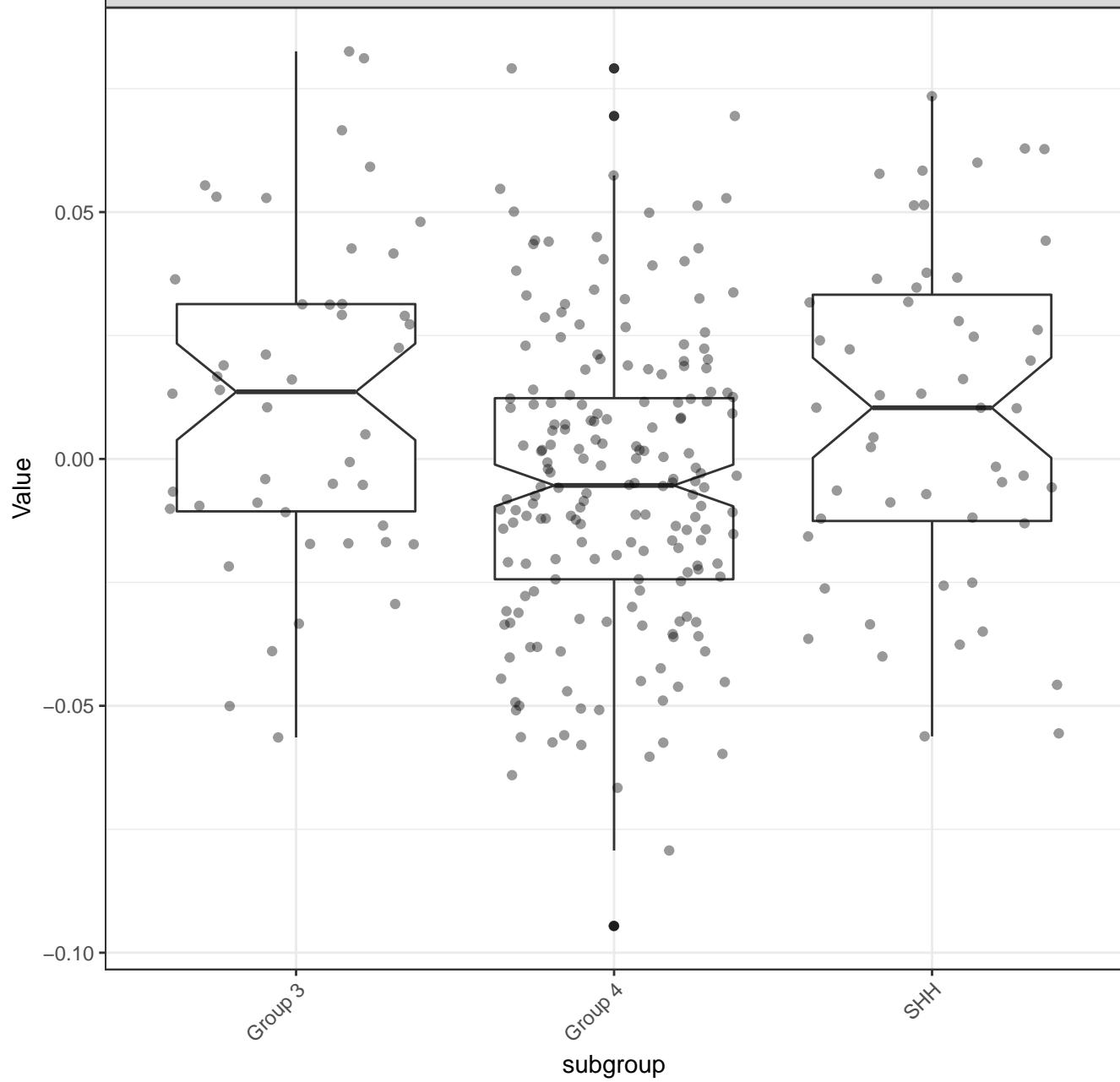
subgroup



LV 836



LV 837

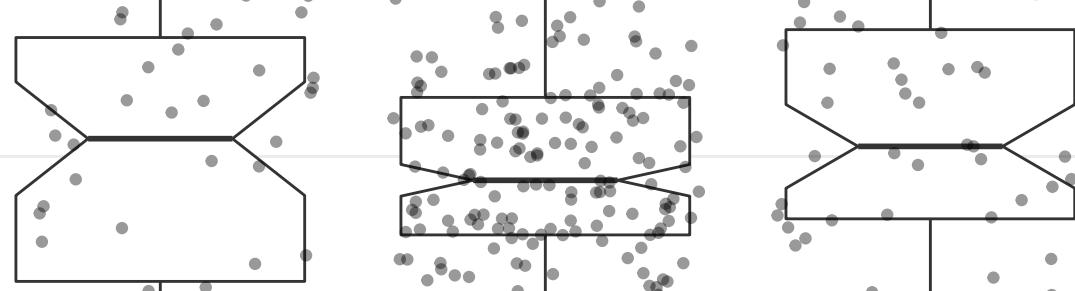


LV 838

Value

0.1

0.0



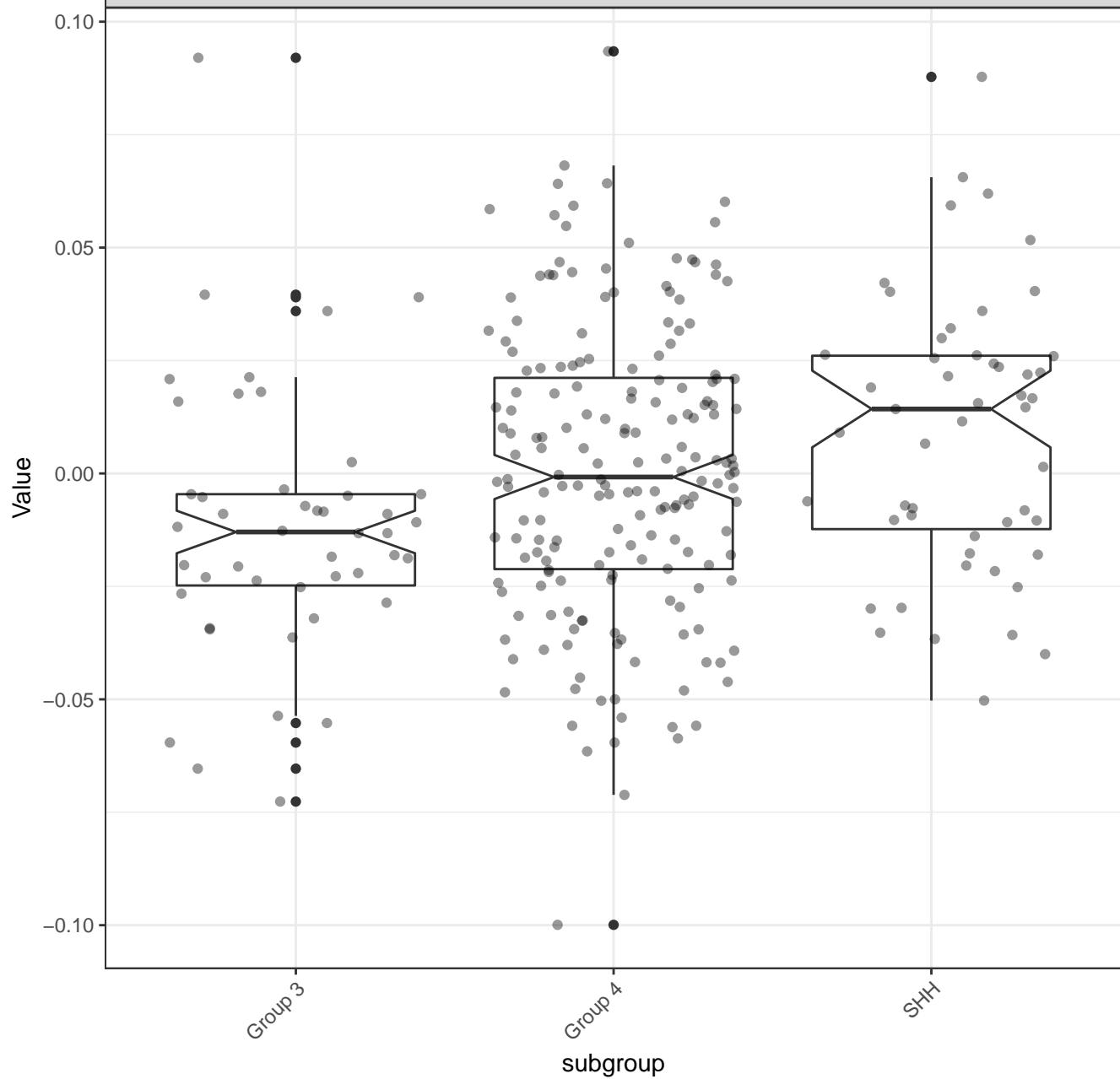
Group 3

Group 4

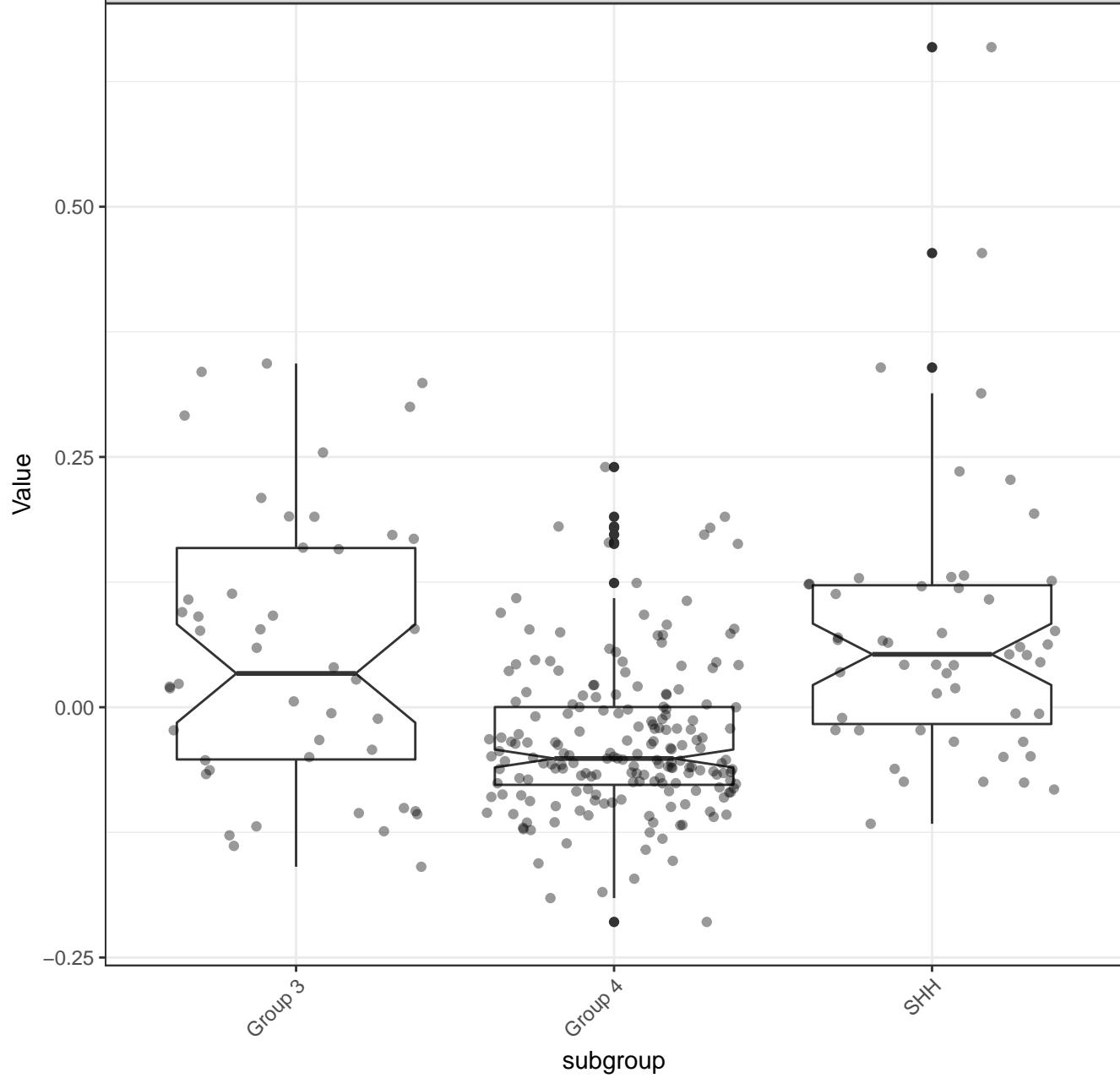
SHH

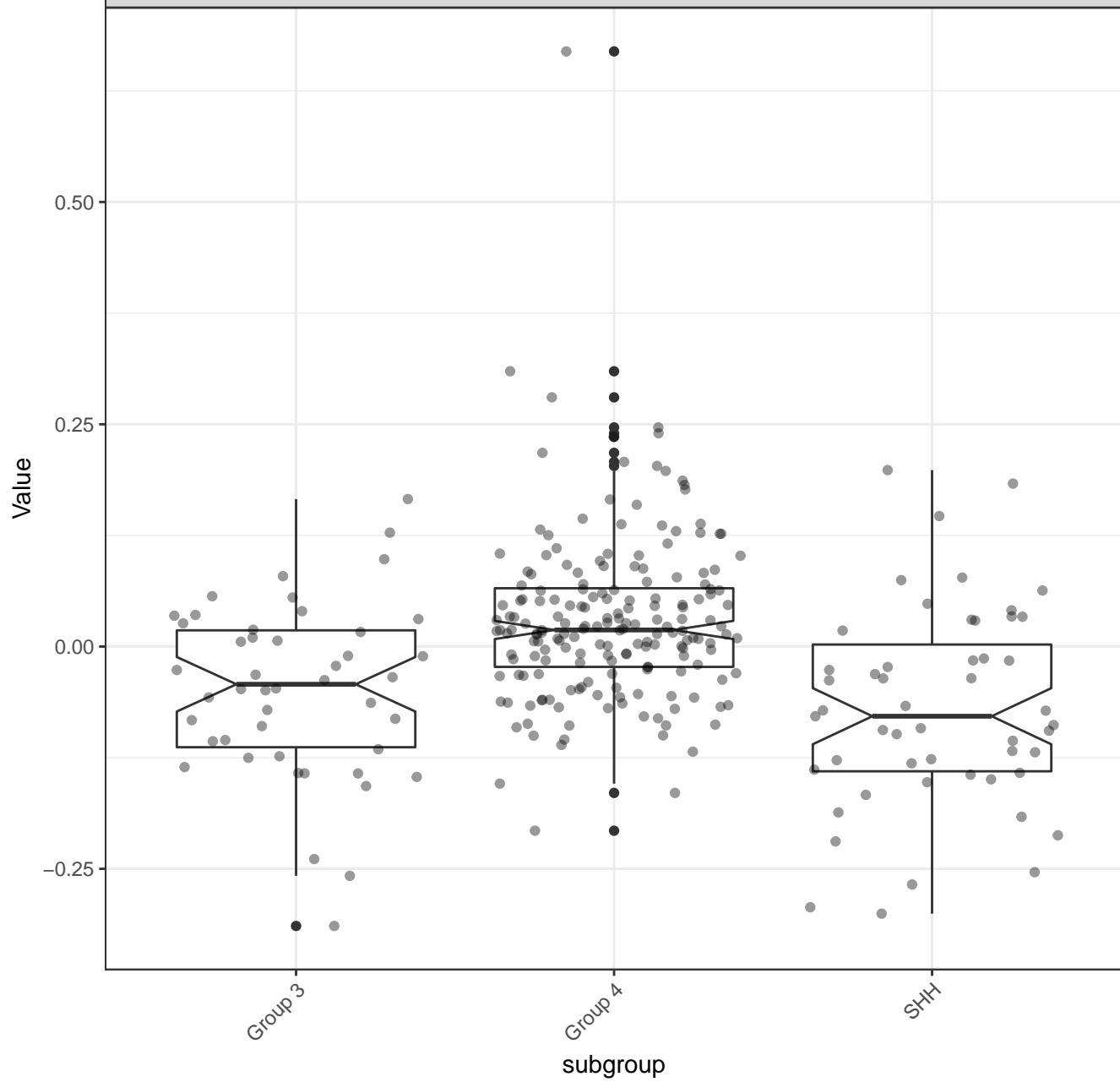
subgroup

LV 839



840,MIPS_39S_RIBOSOMAL_SUBUNIT_MITOCHONDRIAL





LV 842

Value

0.10

0.05

0.00

-0.05

-0.10

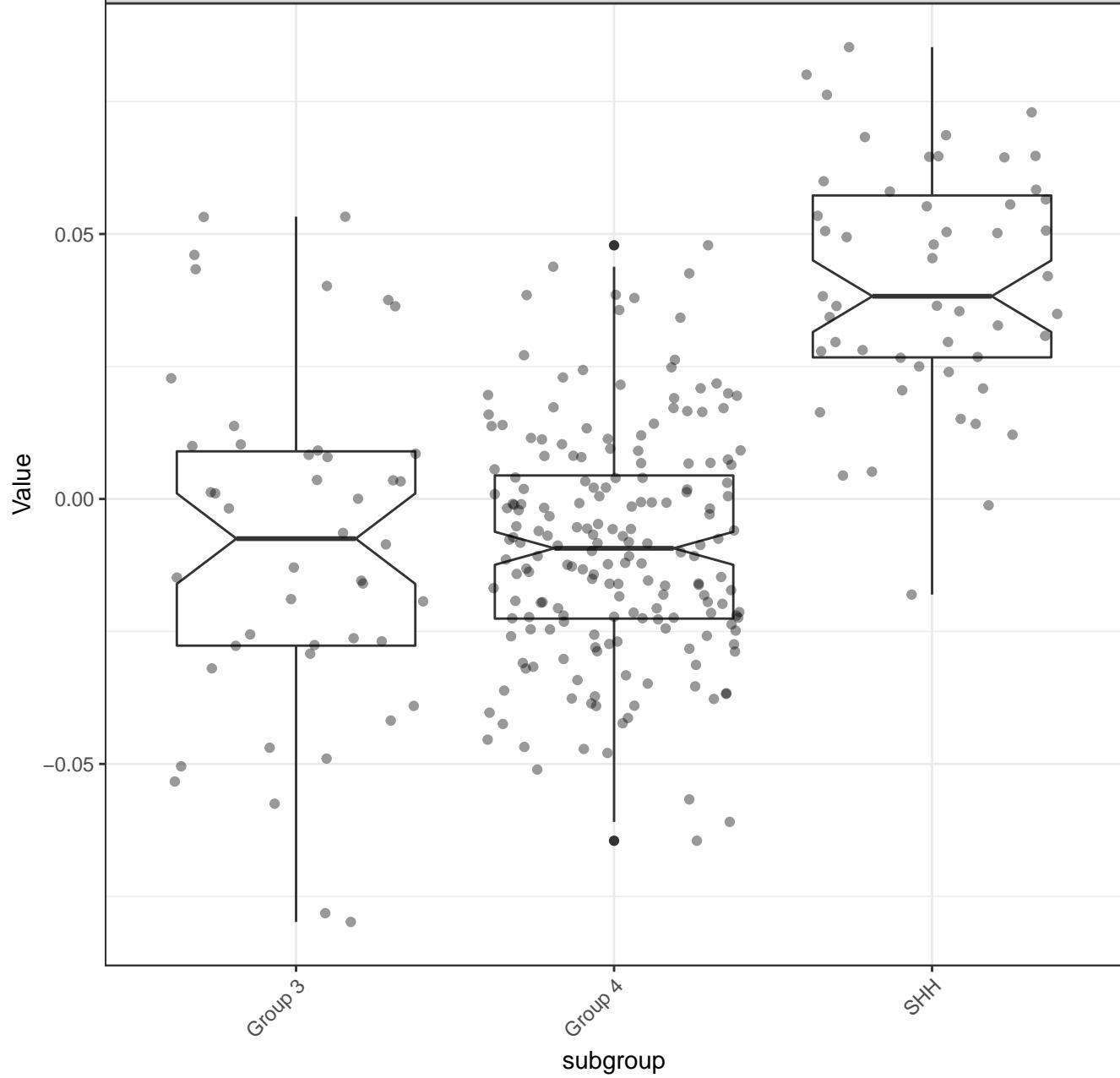
Group 3

subgroup

SHH



LV 843



844,KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION

Value

0.1

0.0

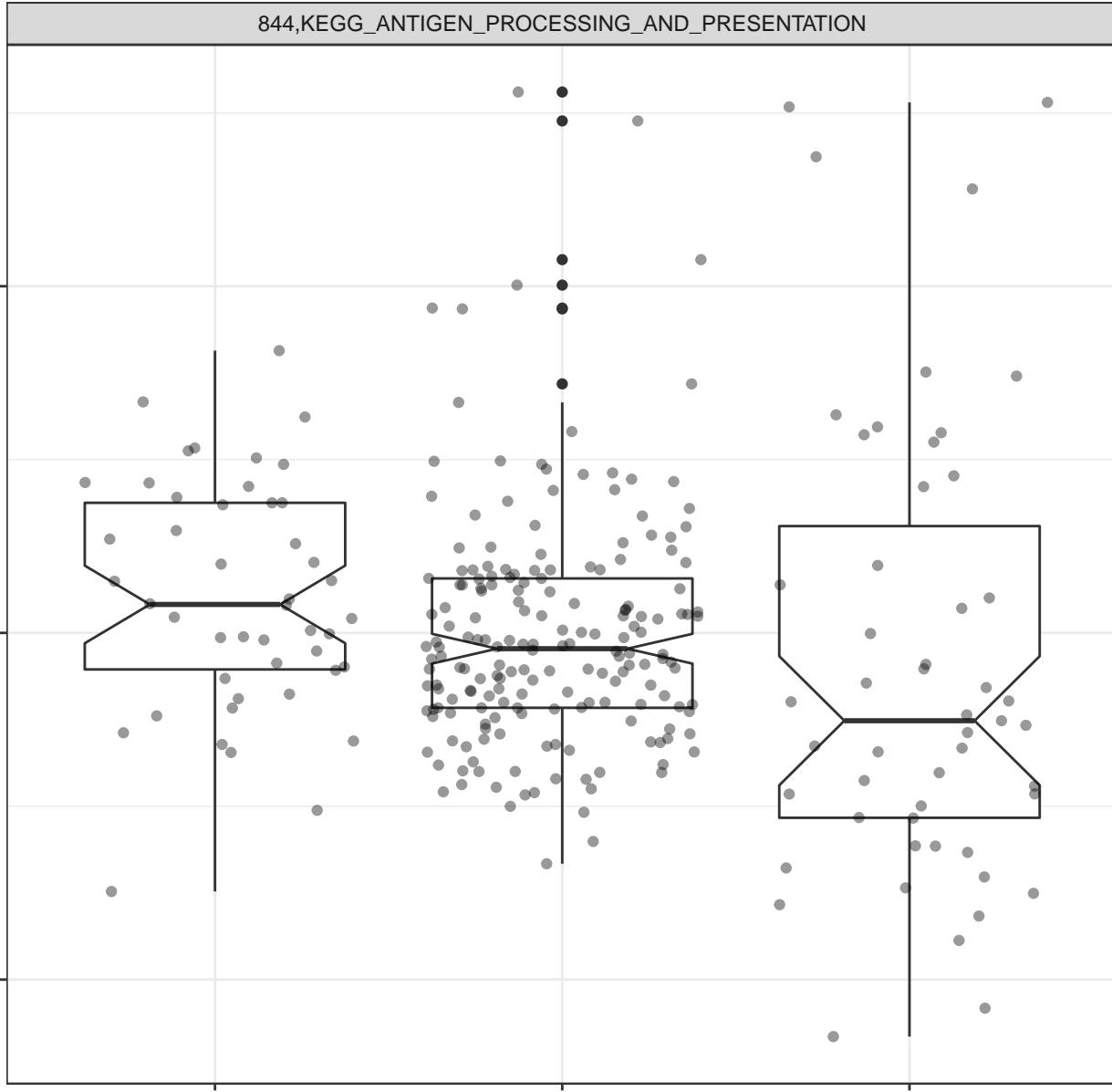
-0.1

Group³

subgroup

Group⁴

SHH



LV 845

Value

0.04

0.00

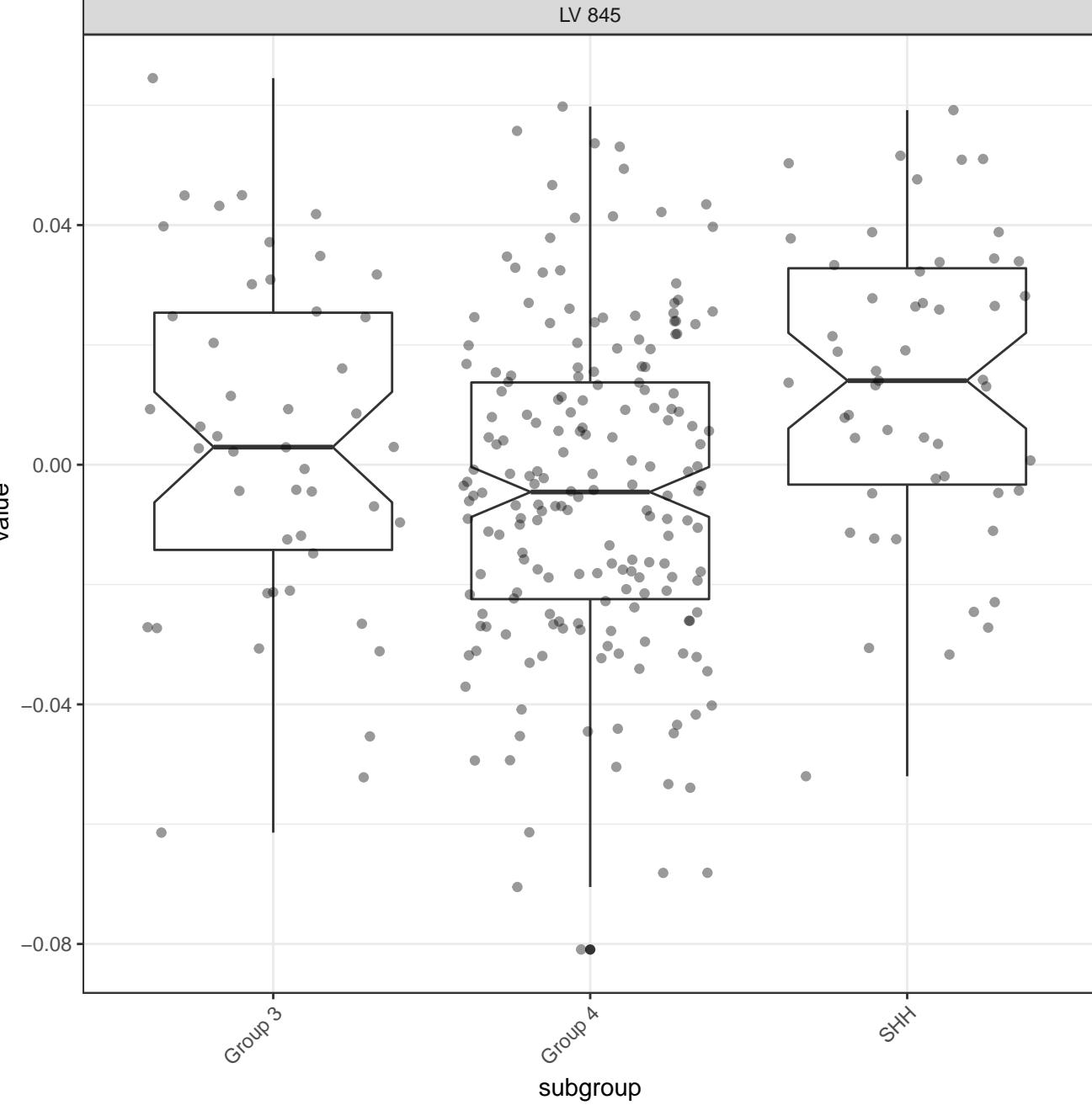
-0.04

-0.08

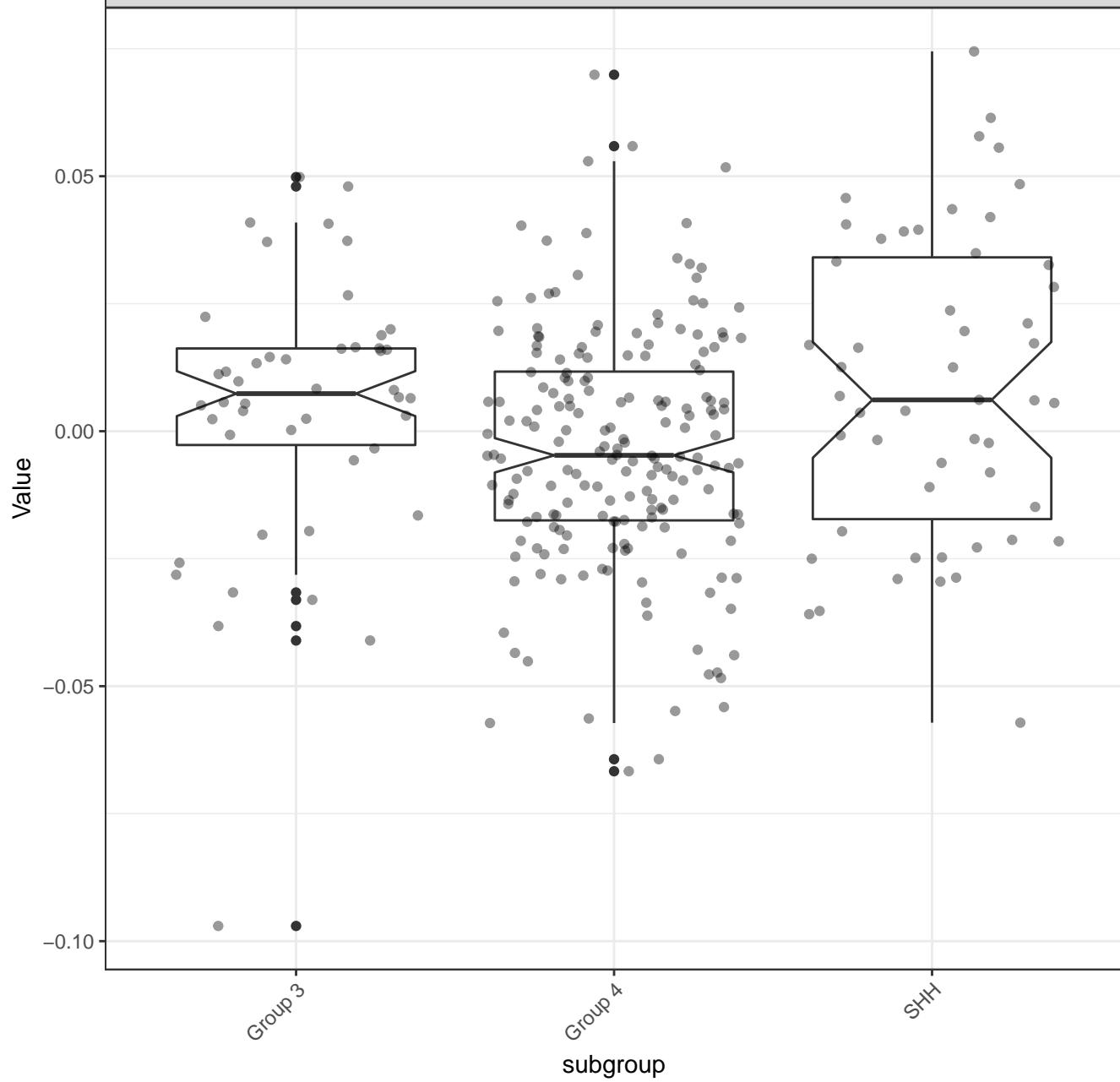
Group 3

subgroup

SHH

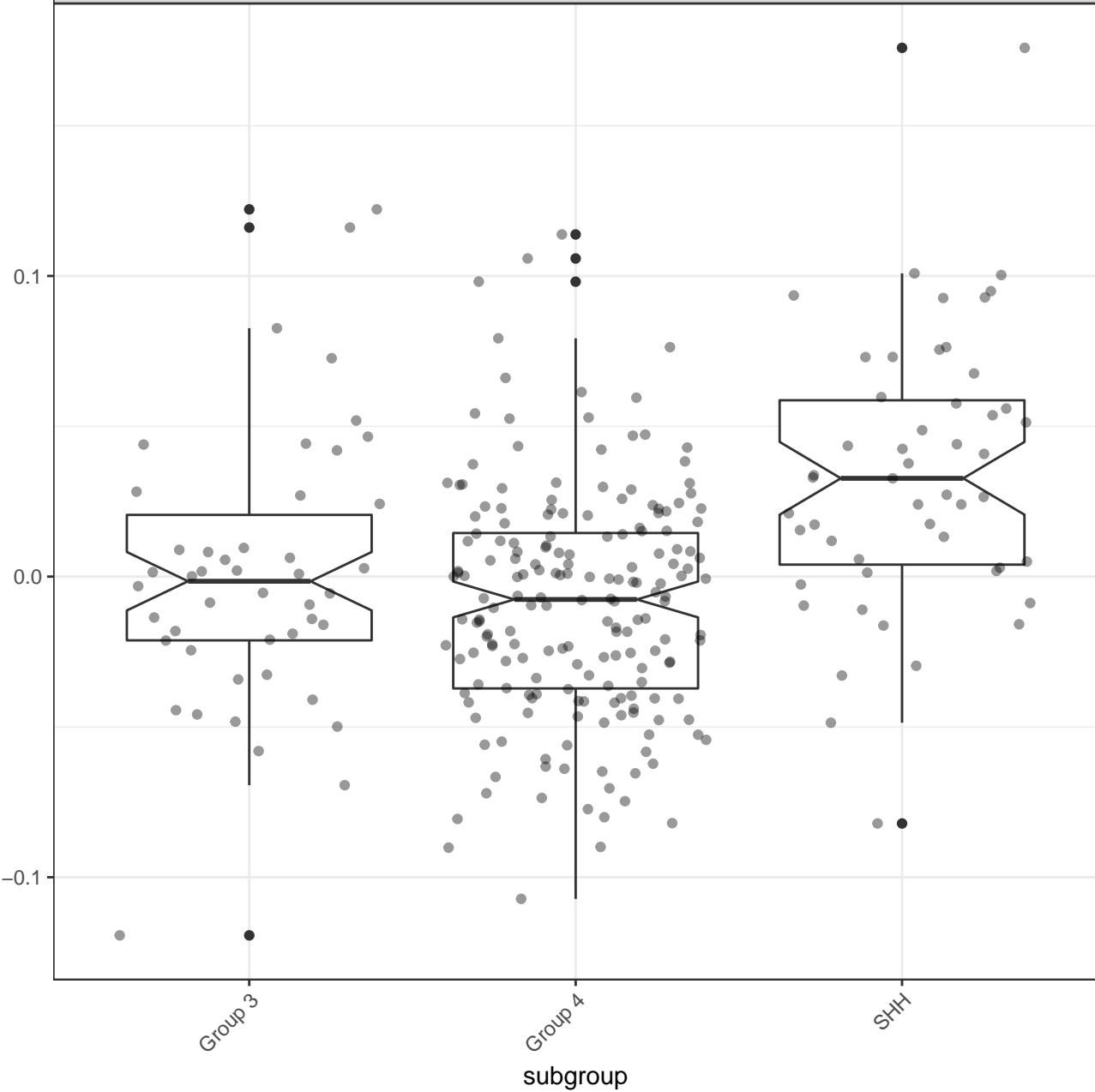


LV 846



847,REACTOME_AMYLOIDS

Value



848,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value

0.2

0.1

0.0

-0.1

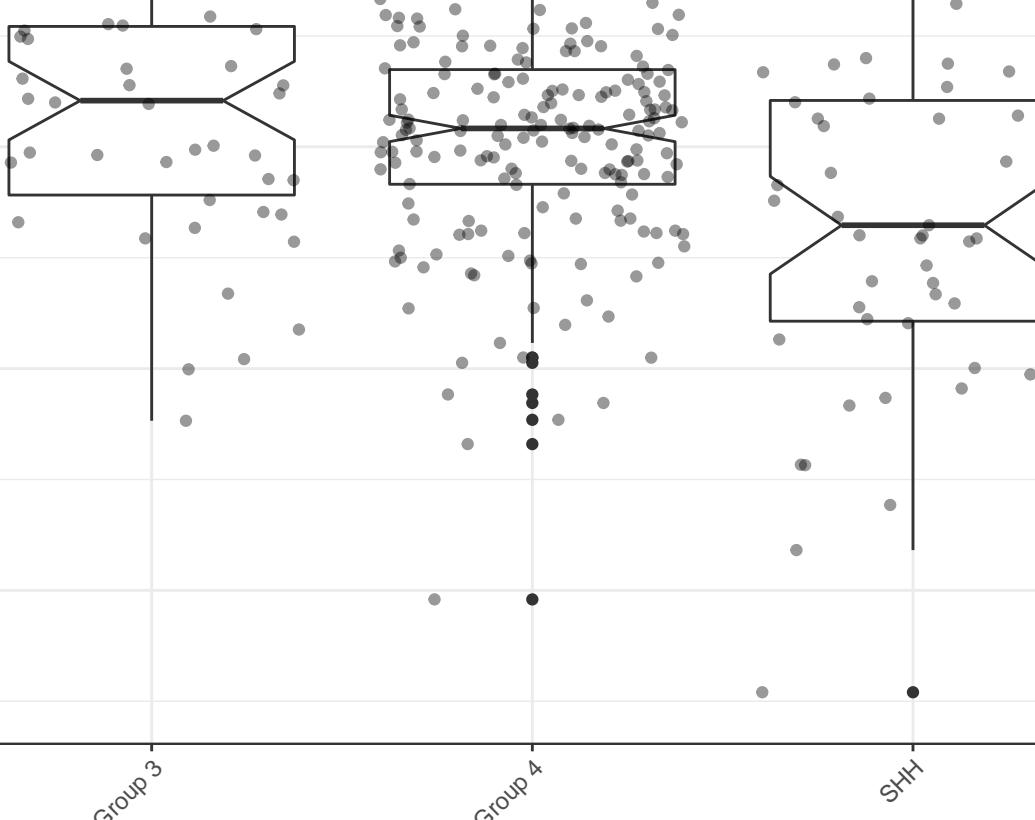
-0.2

Group 3

Group 4

SHH

subgroup



LV 849

Value

0.05

0.00

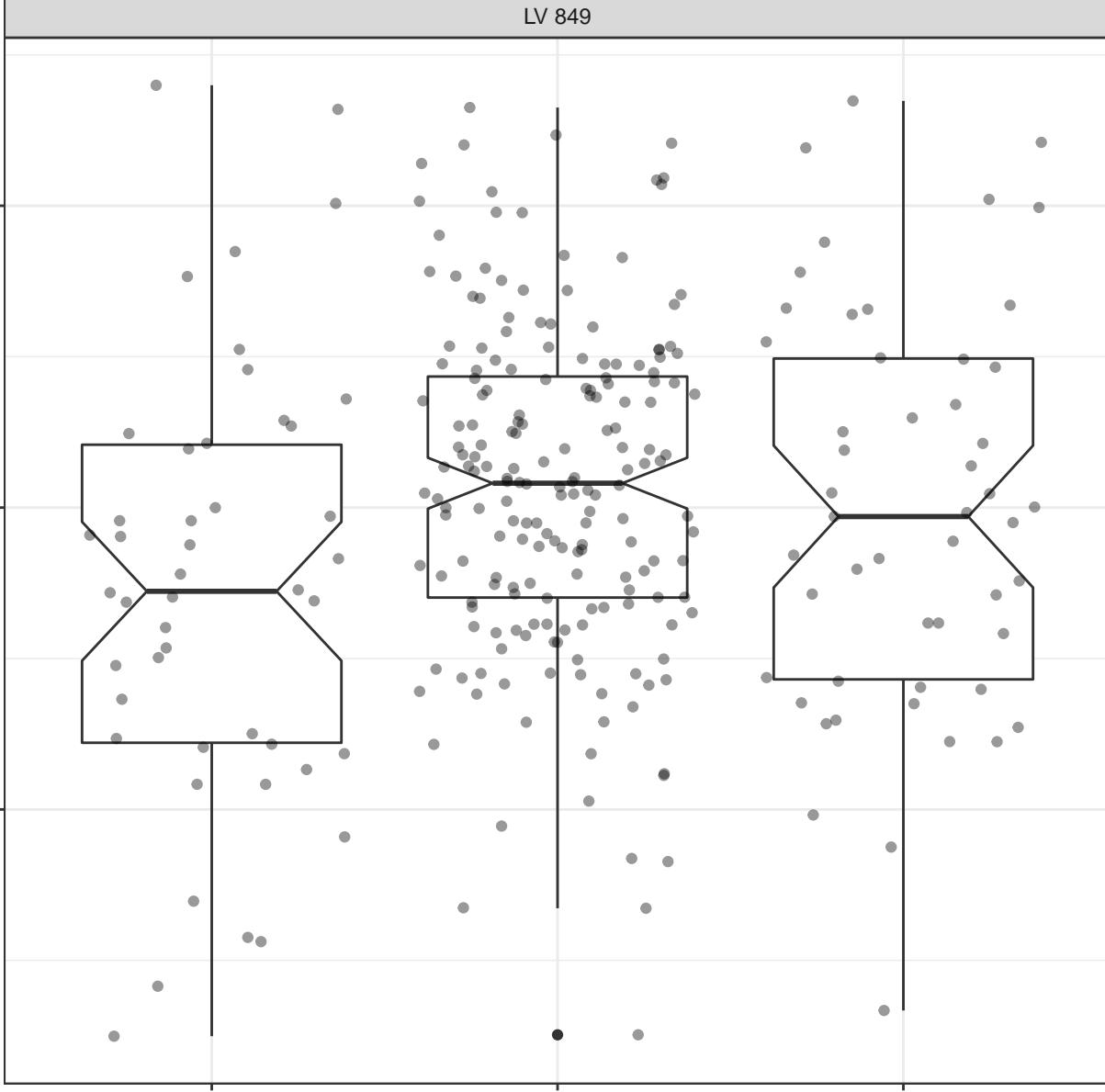
-0.05

Group 3

subgroup

Group 4

SHH



LV 850

Value

0.05

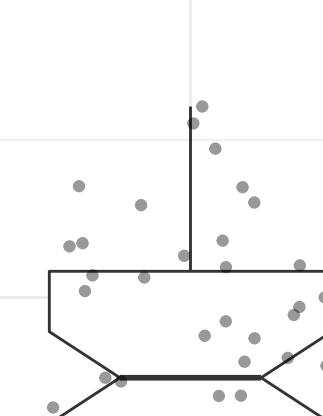
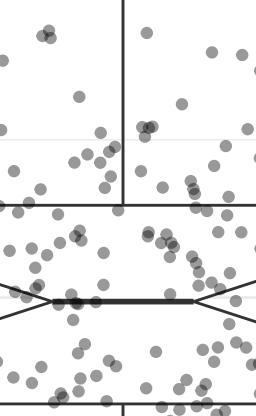
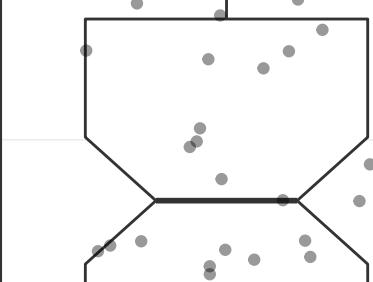
0.00

-0.05

Group₃

subgroup

SHH



LV 851

Value

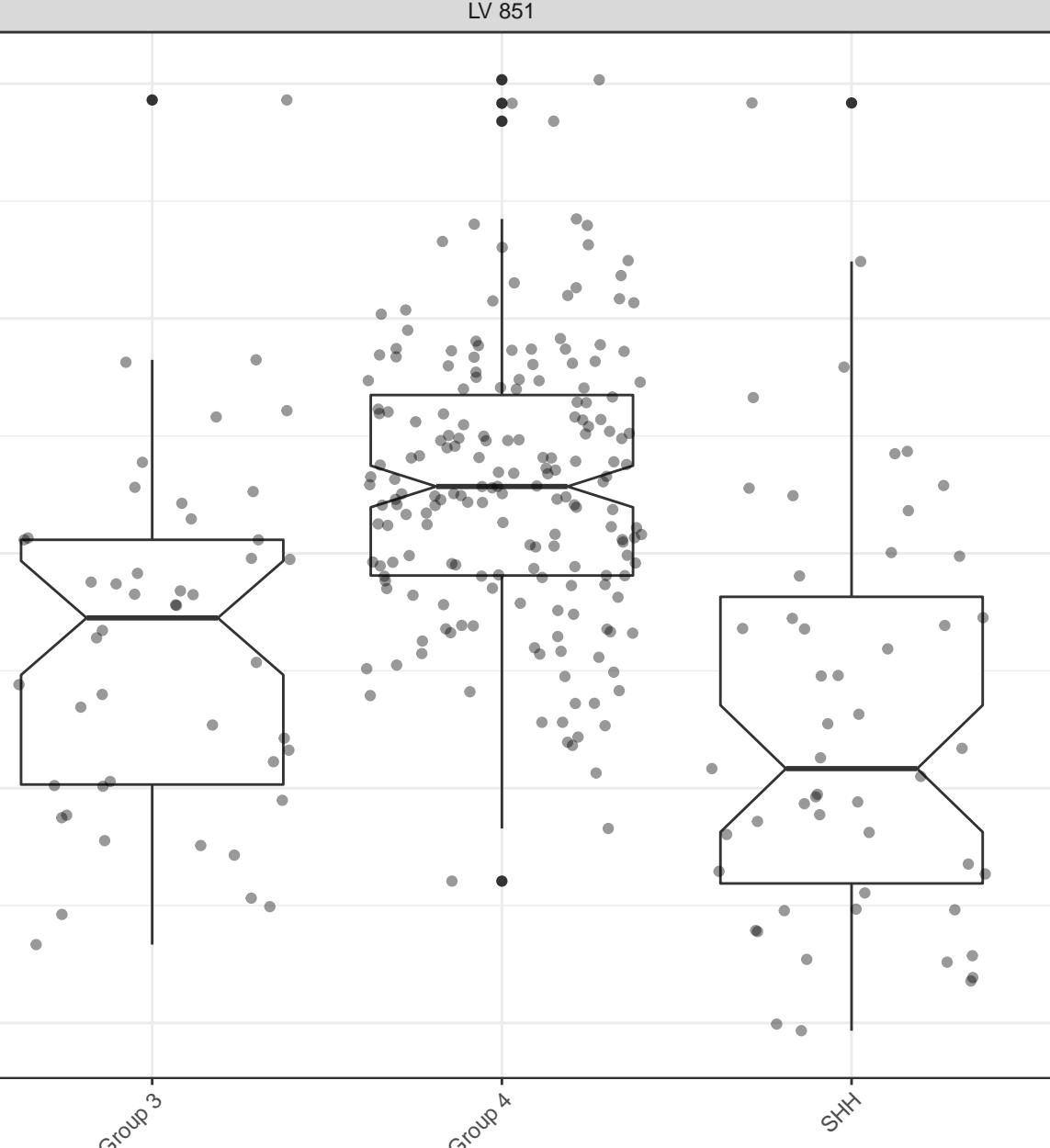
0.2
0.1
0.0
-0.1
-0.2

Group 3

Group 4

SHH

subgroup



LV 852

Value

0.05

0.00

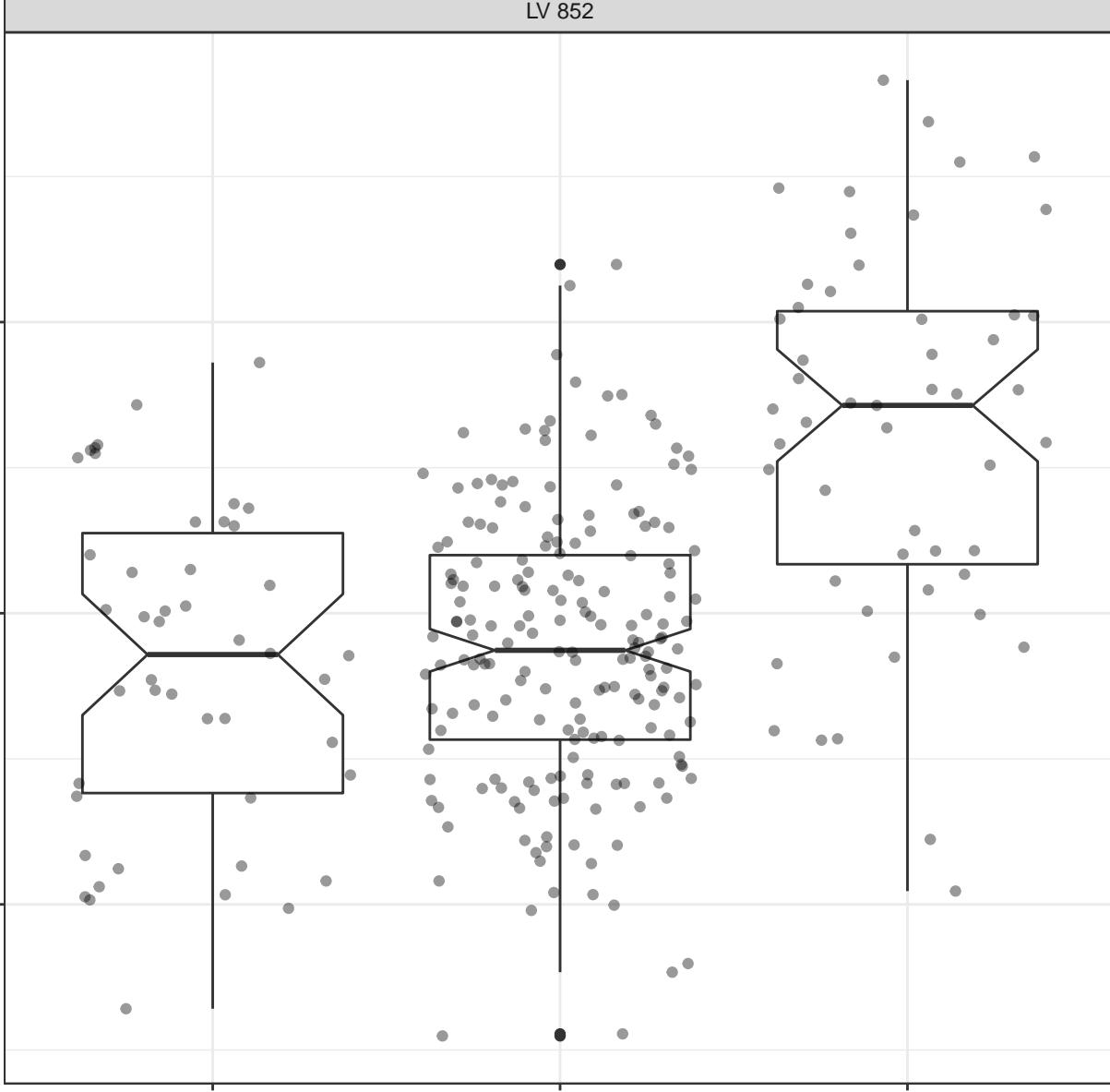
-0.05

Group 3

subgroup

Group 4

SHH



LV 853

Value

0.1

0.0

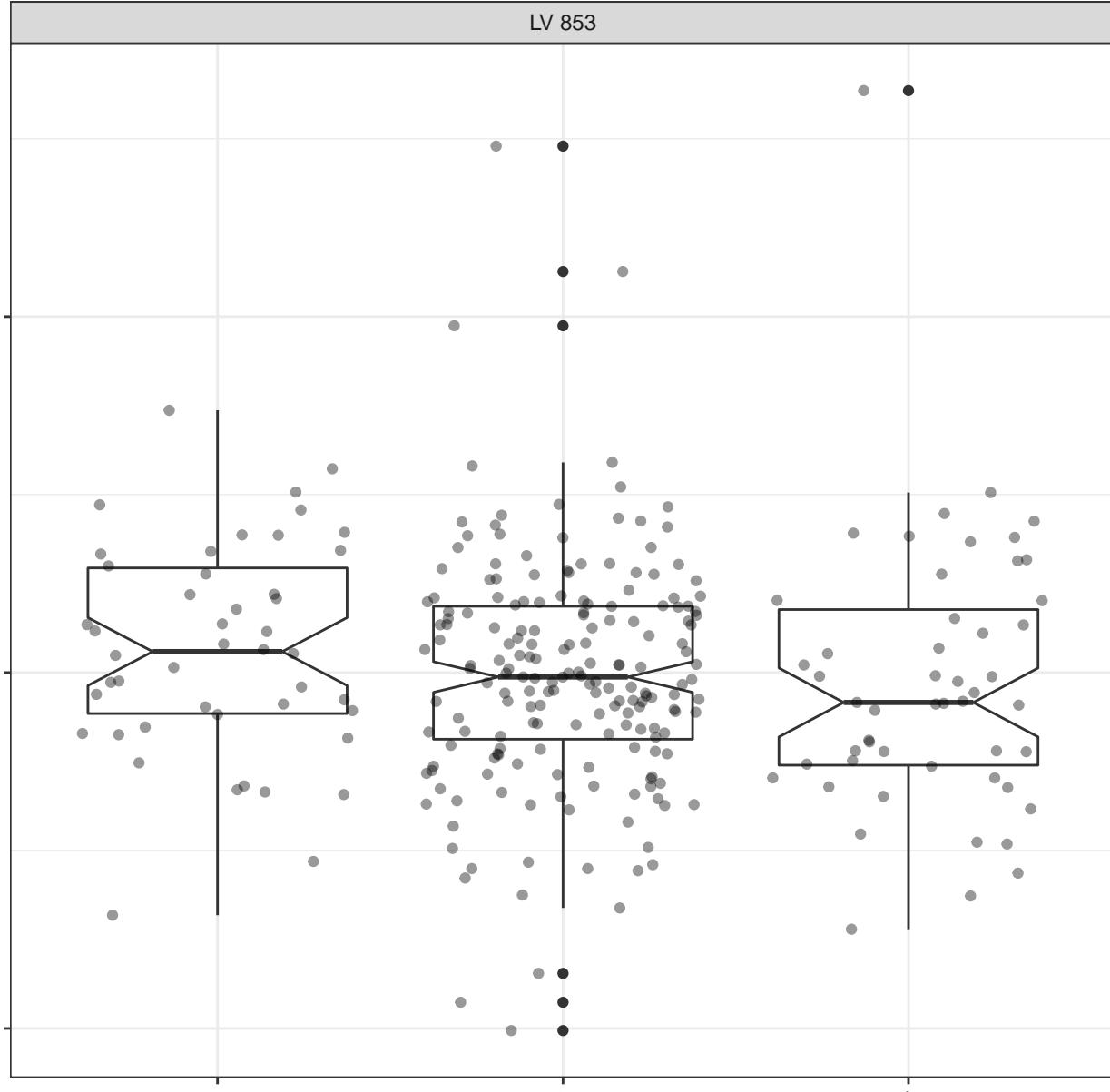
-0.1

Group 3

Group 4

SHH

subgroup



854,IRIS_Monocyte-Day1

Value

0.3

0.2

0.1

0.0

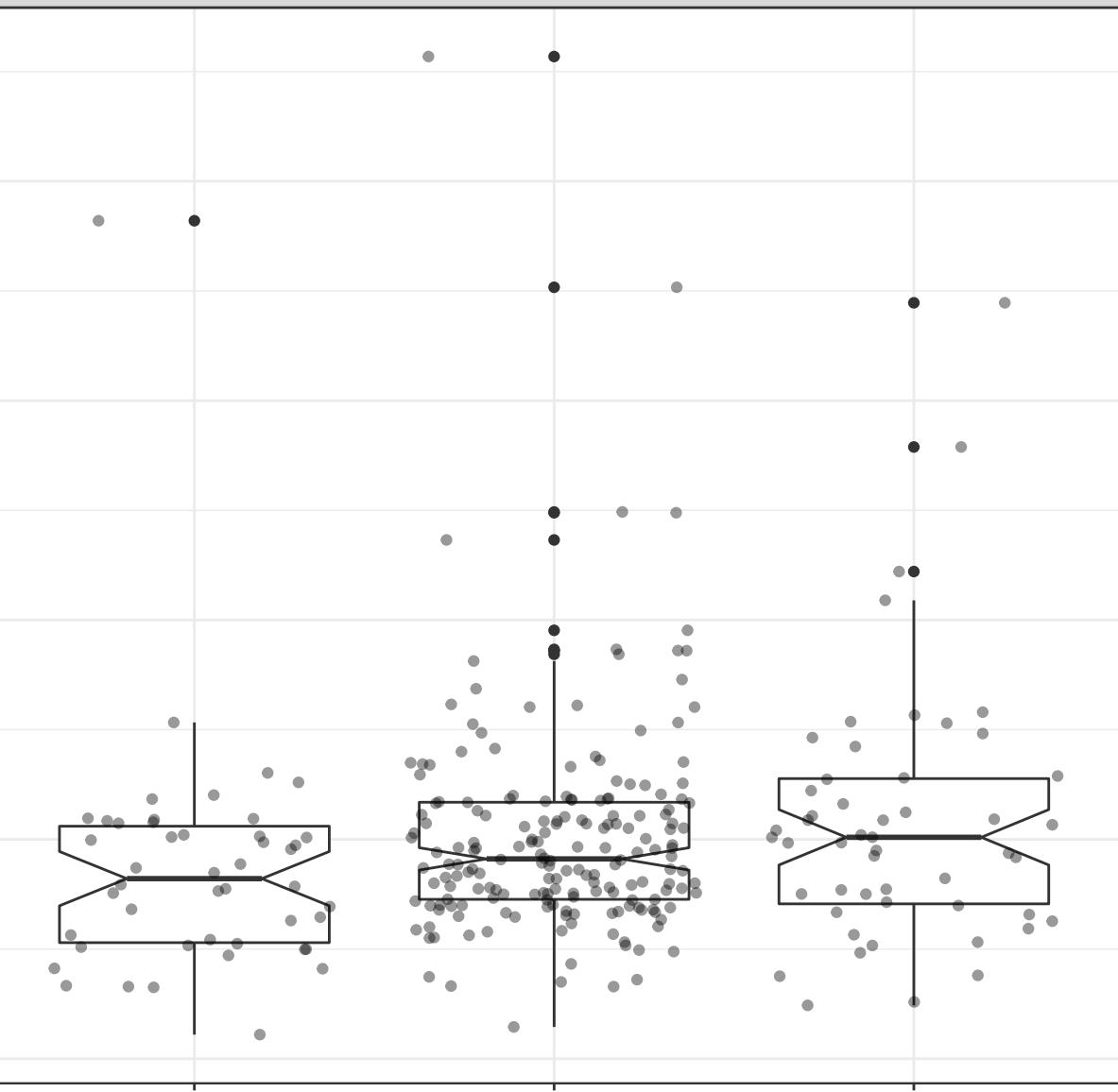
-0.1

Group 3

Group 4

SHH

subgroup



Value

0.1

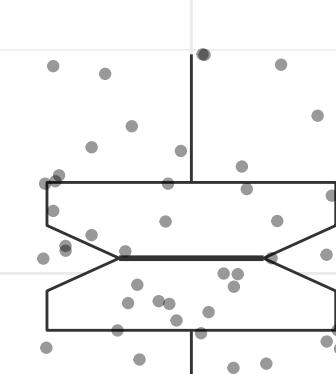
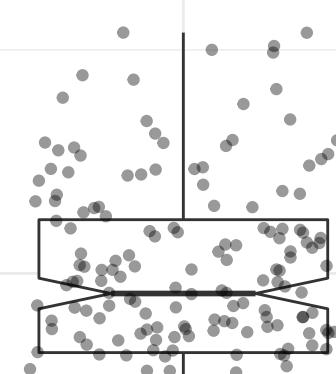
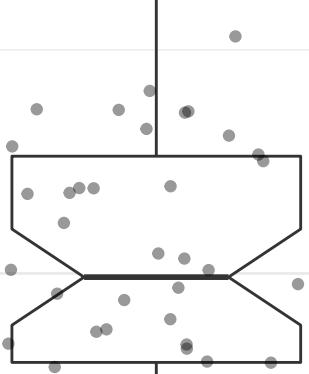
0.0

Group 3

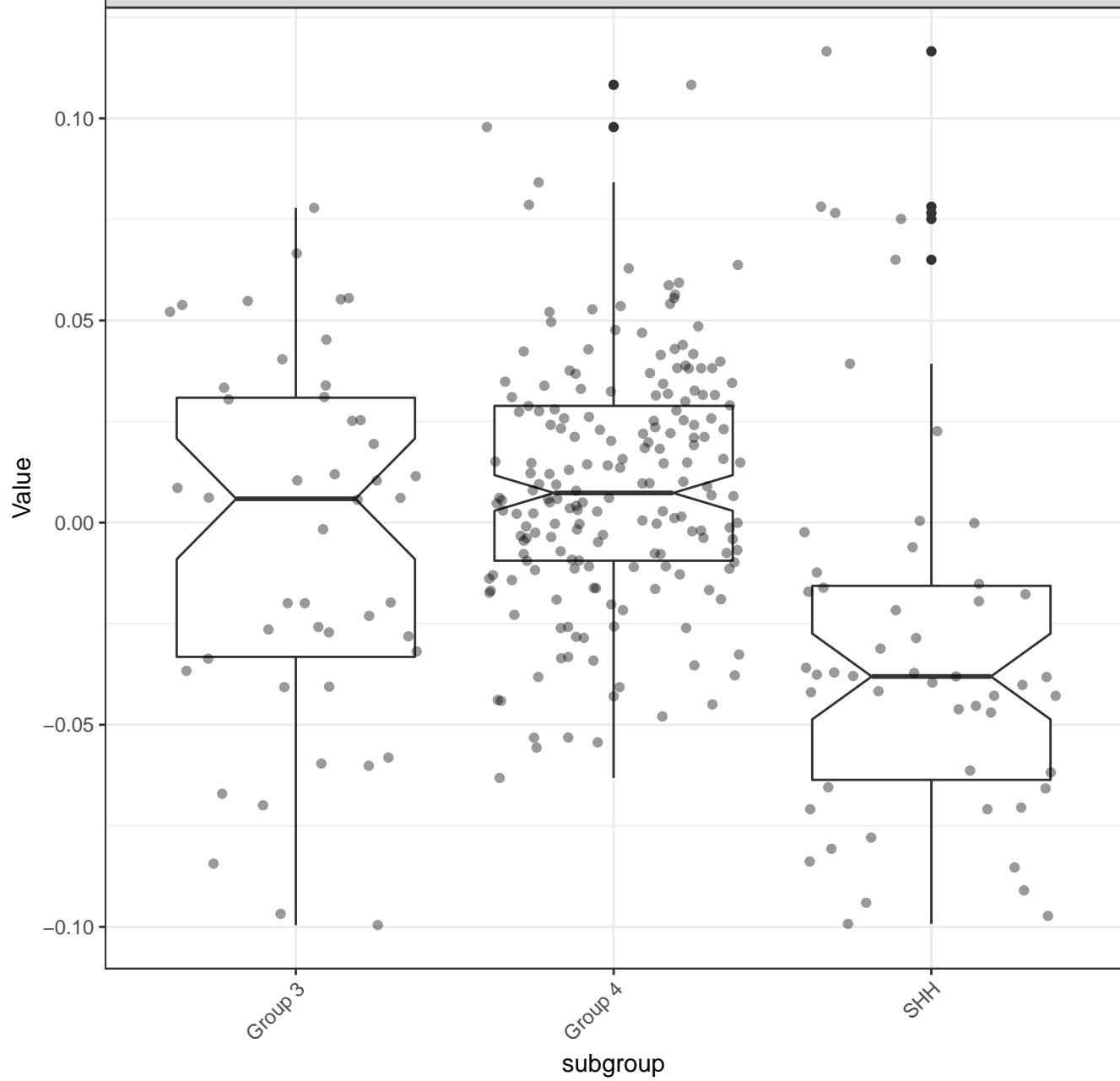
Group 4

SHH

subgroup



LV 856



LV 857

Value

0.05

0.00

-0.05

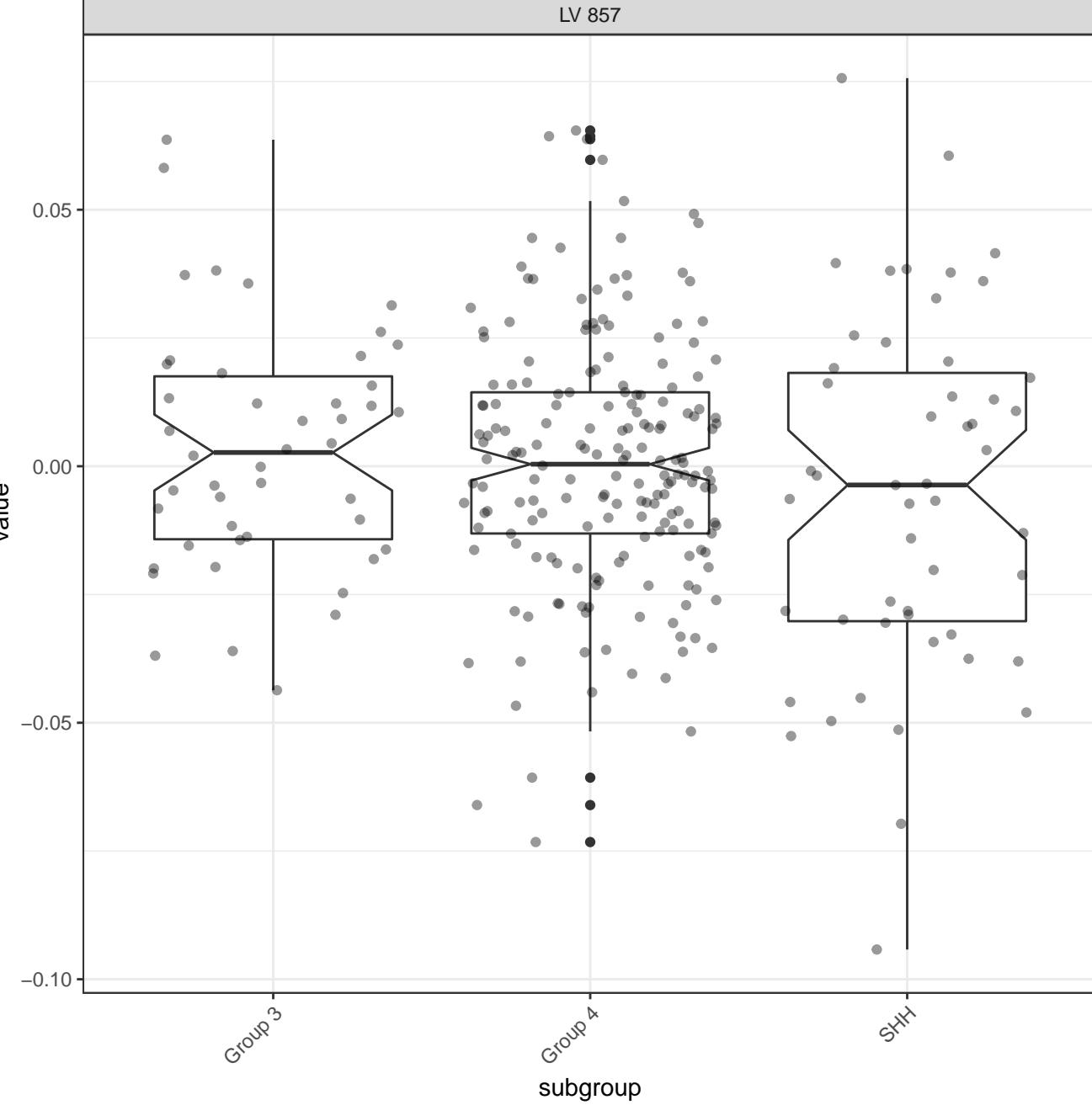
-0.10

Group 3

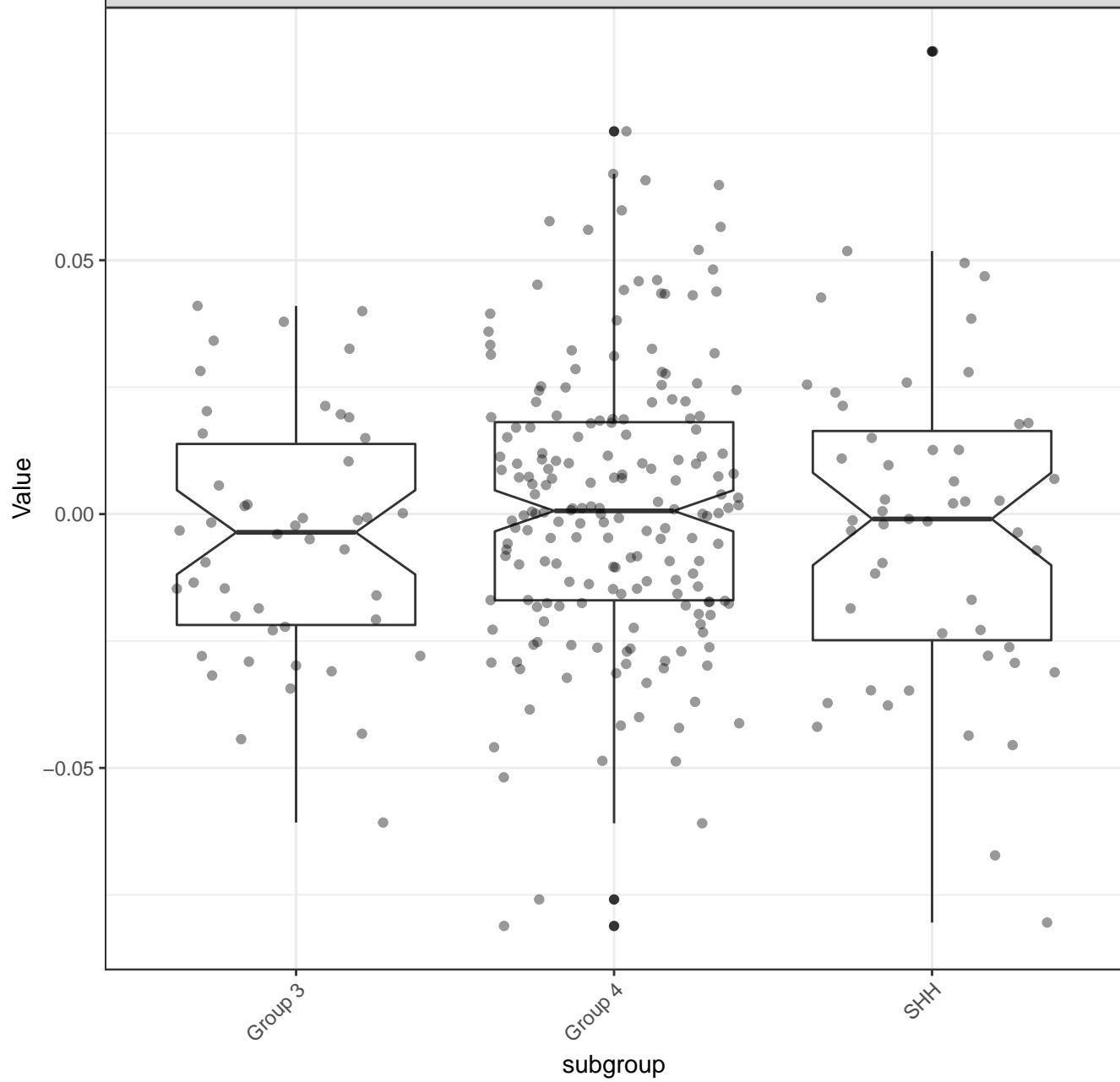
subgroup

Group 4

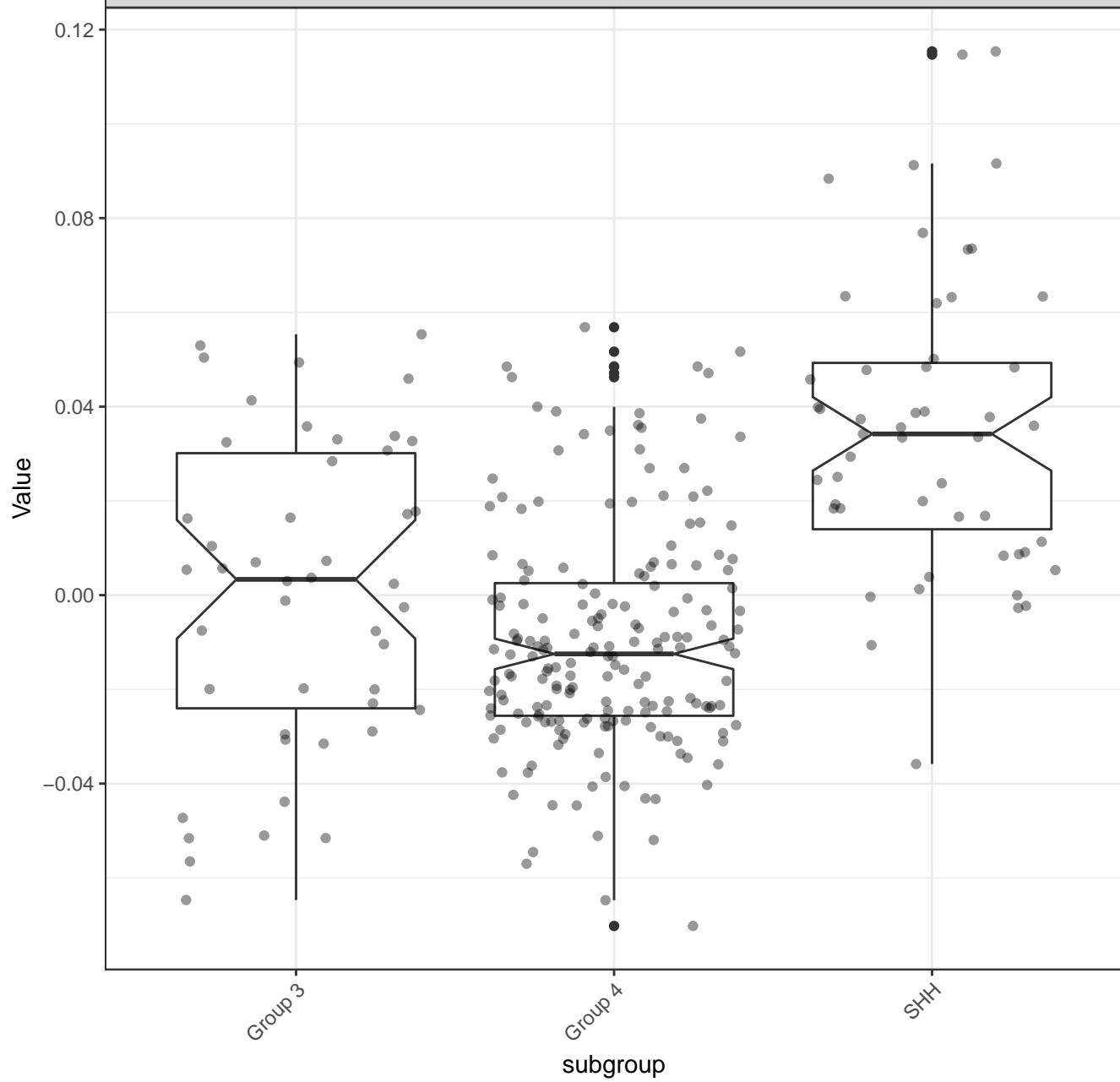
SHH



LV 858



LV 859



LV 860

Value

0.10

0.05

0.00

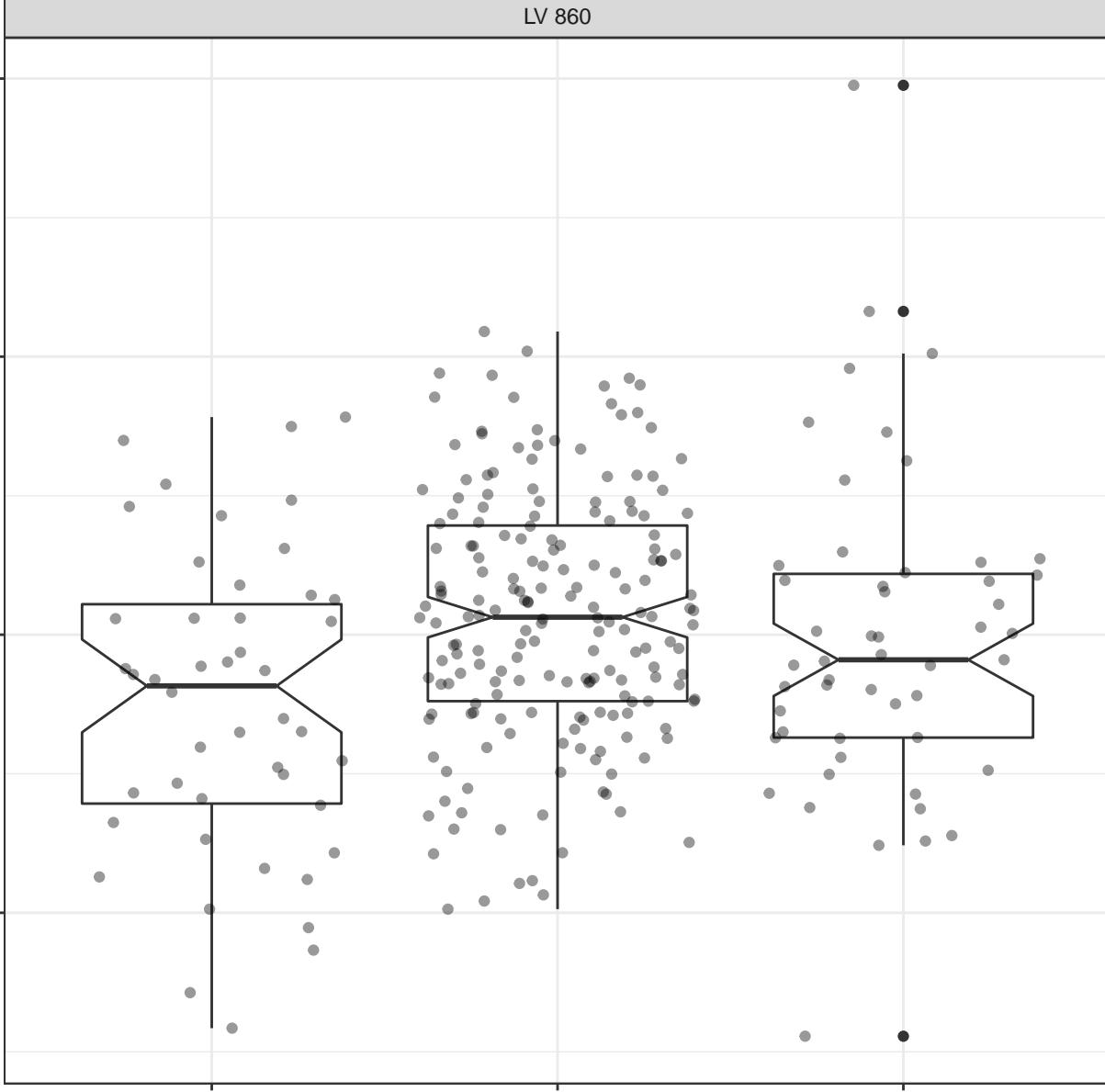
-0.05

Group 3

Group 4

SHH

subgroup



LV 861

Value

0.10

0.05

0.00

-0.05

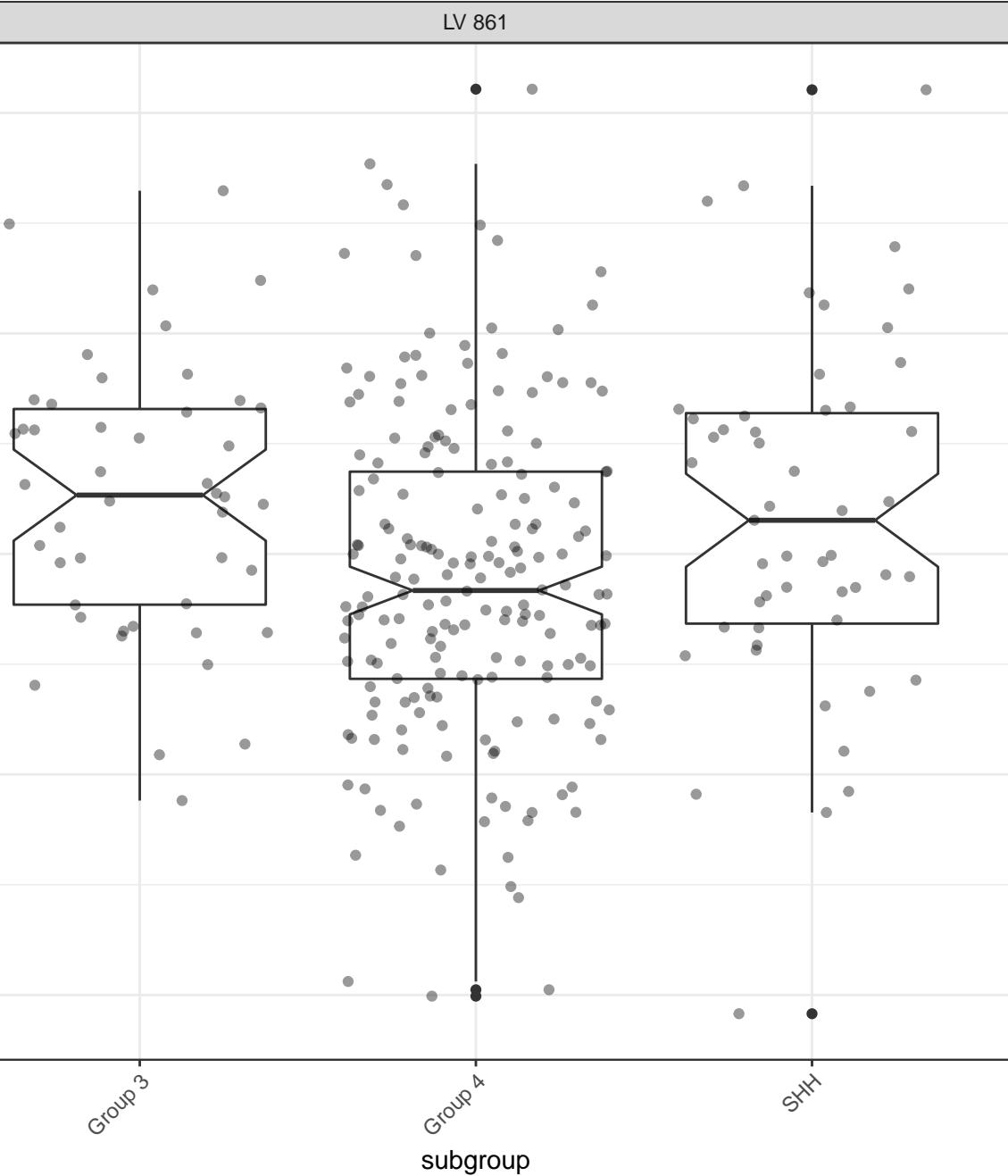
-0.10

Group 3

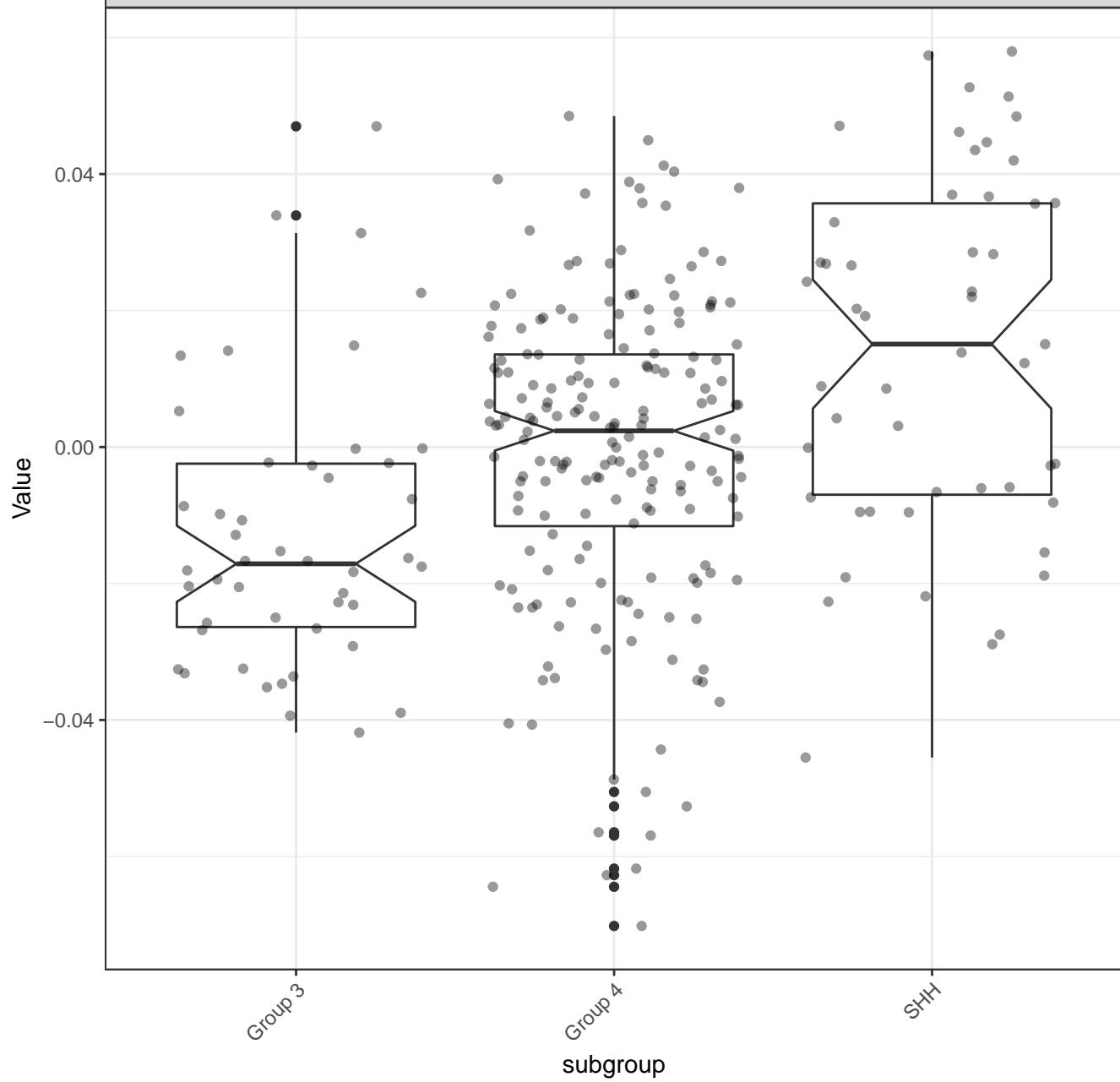
subgroup

Group 4

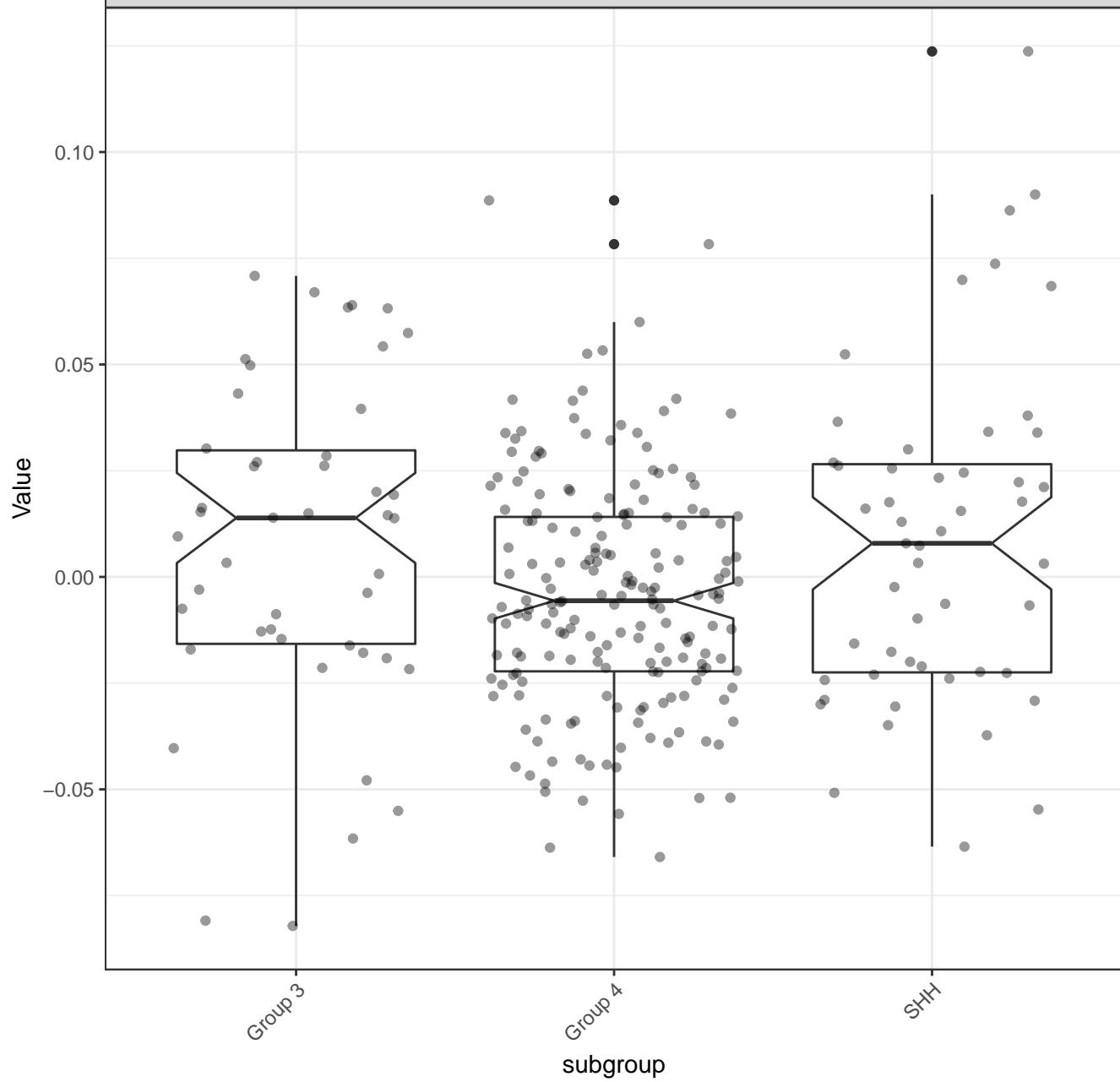
SHH



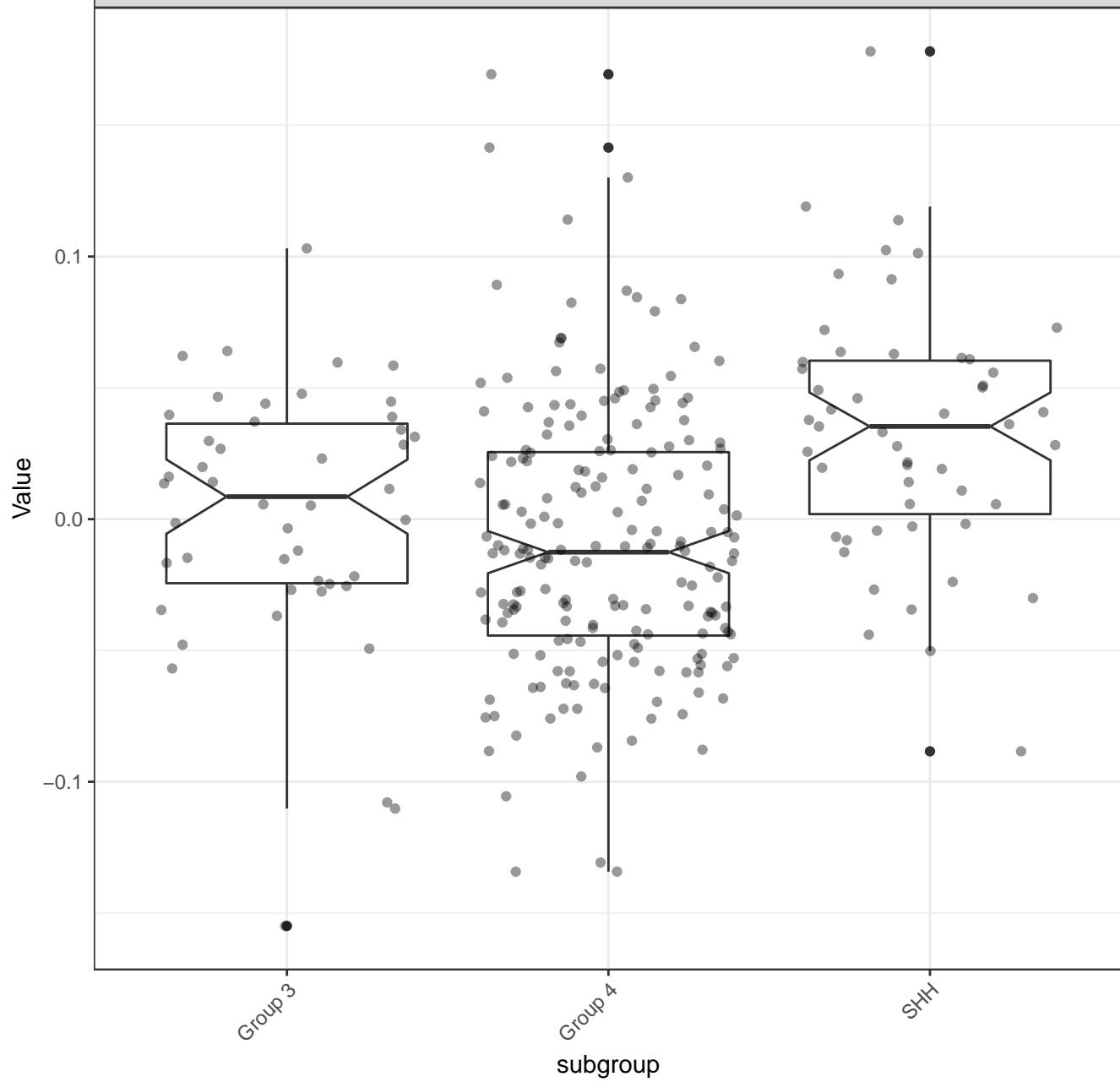
LV 862



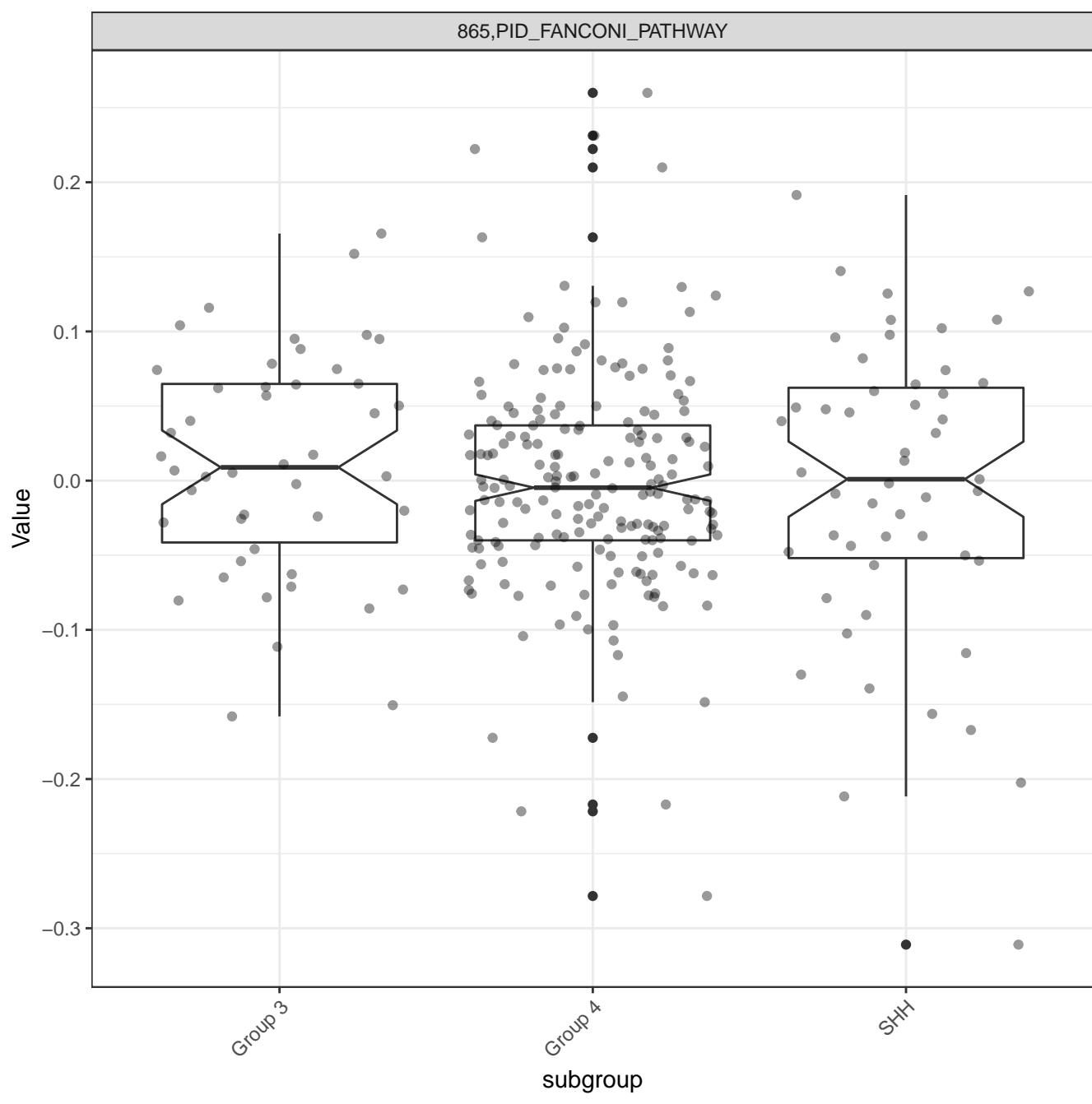
LV 863



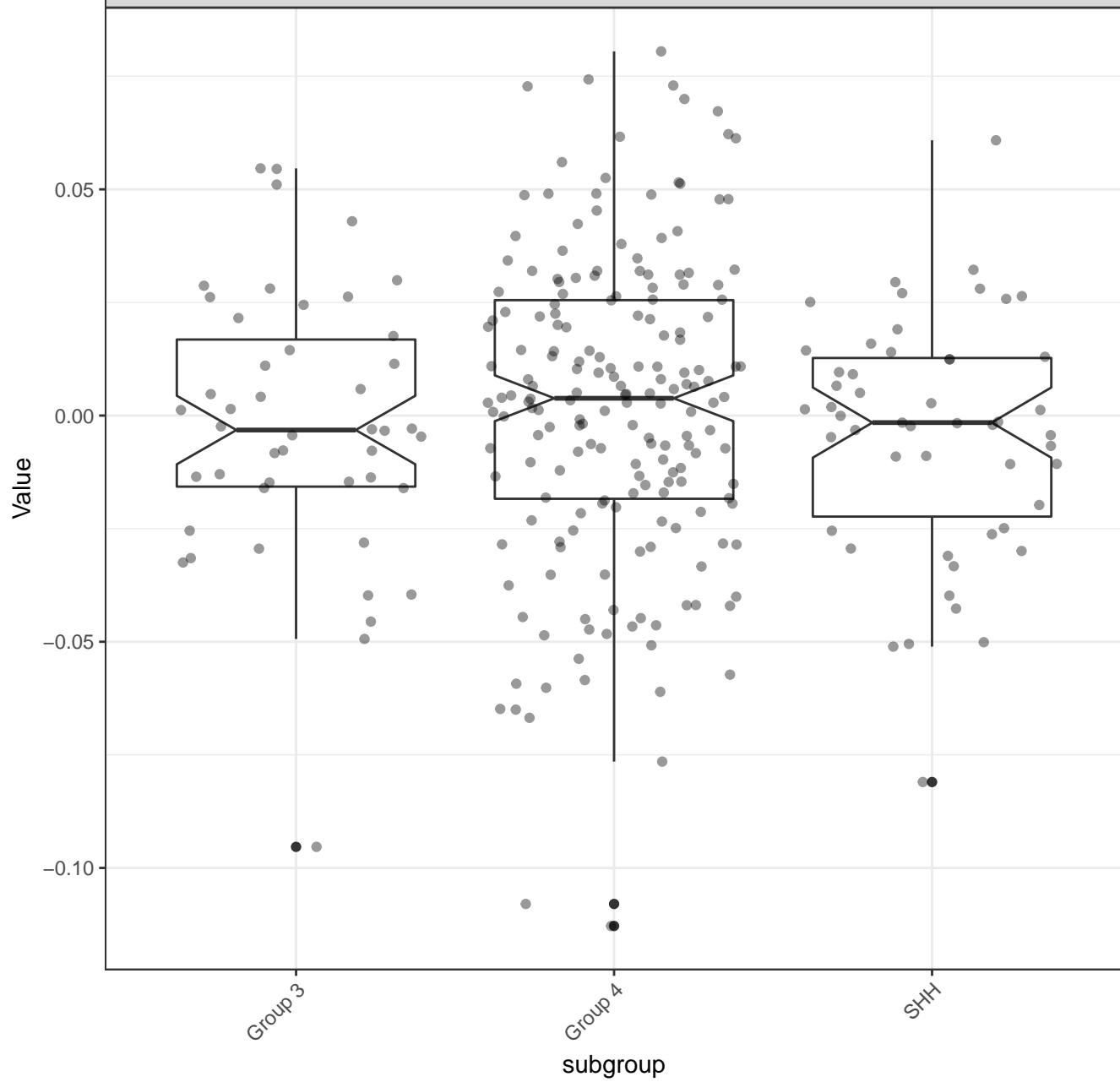
LV 864

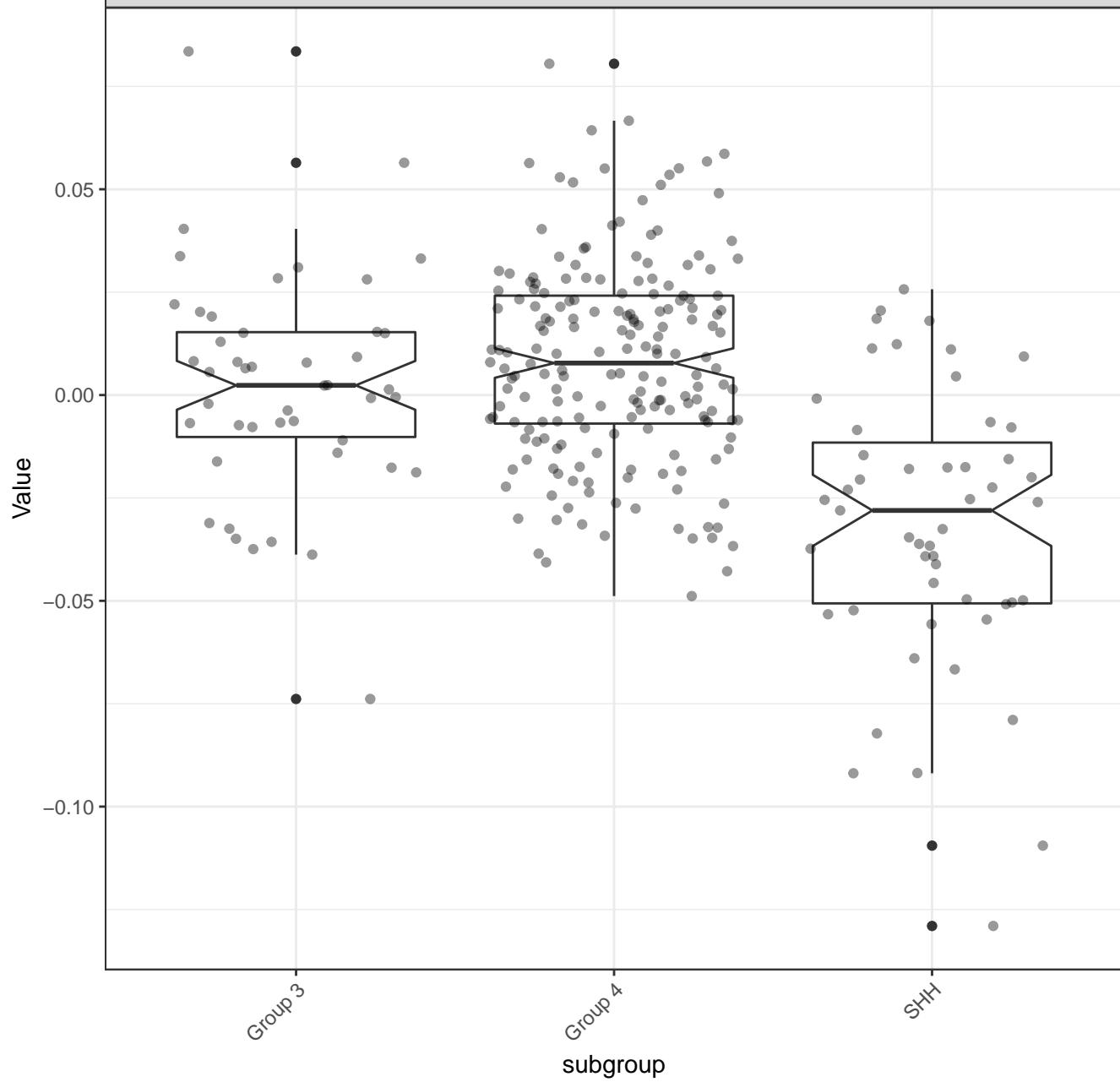


865,PID_FANCONI_PATHWAY

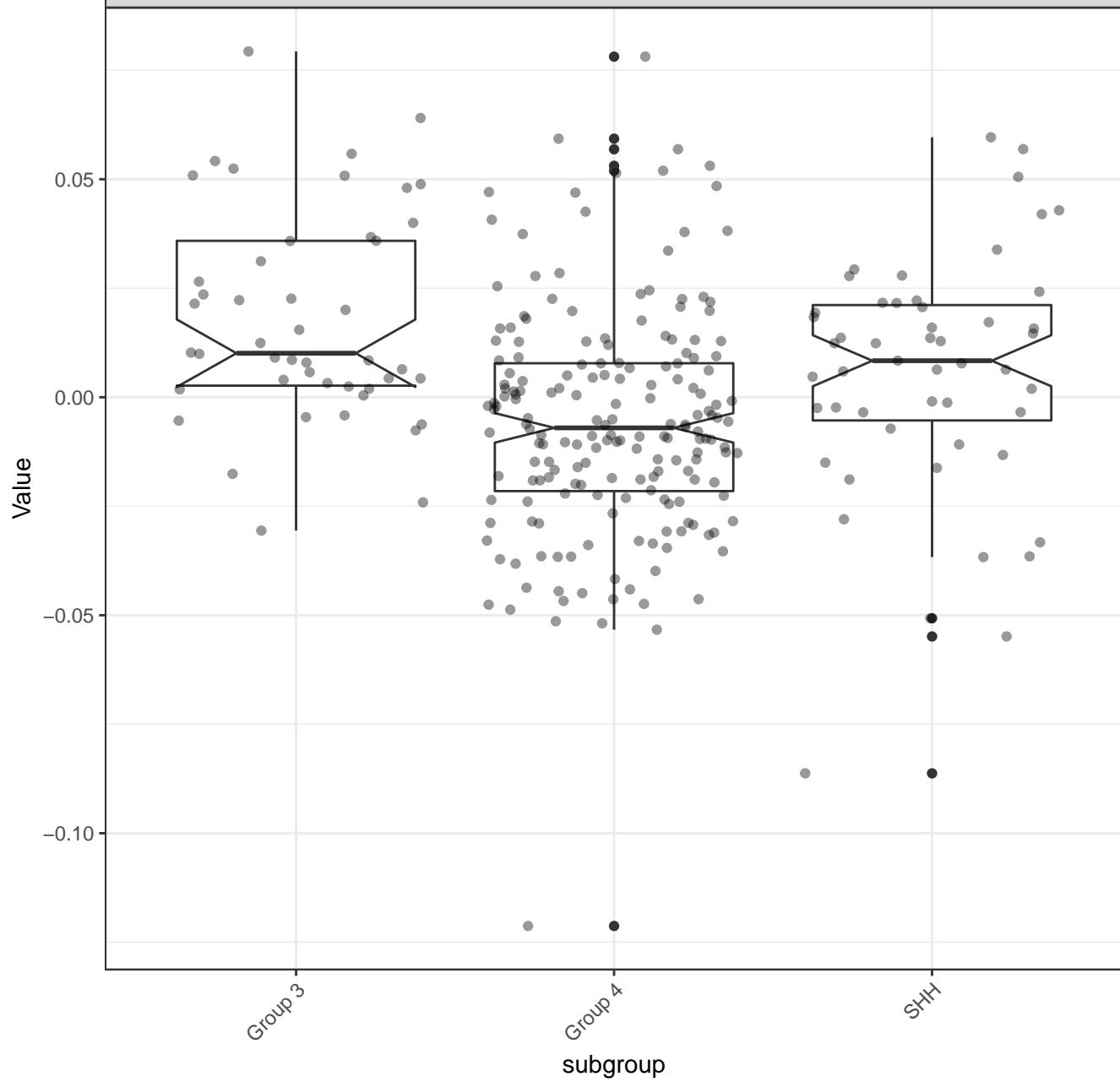


LV 866

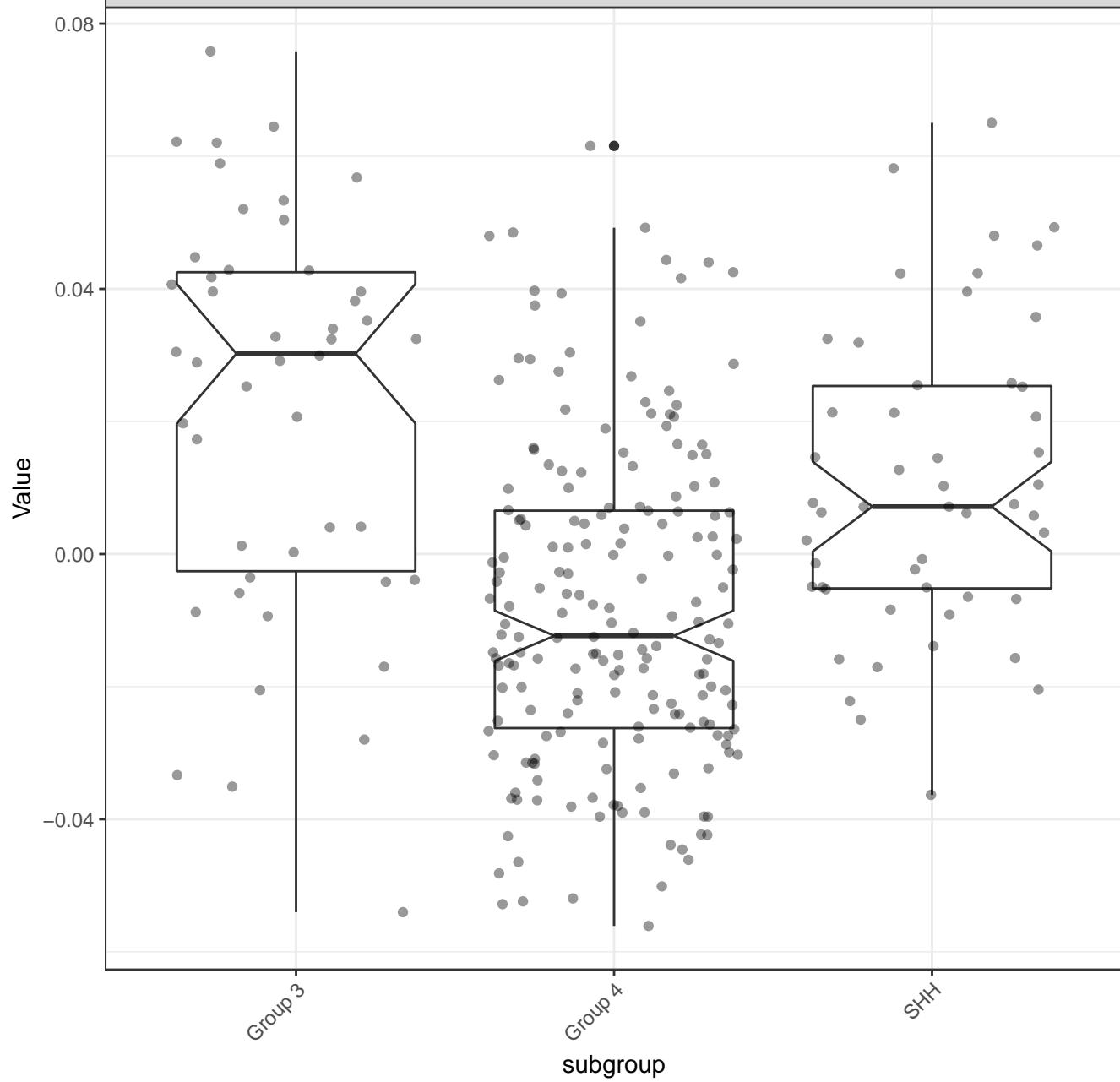




LV 868



LV 869



LV 870

Value

0.10

0.05

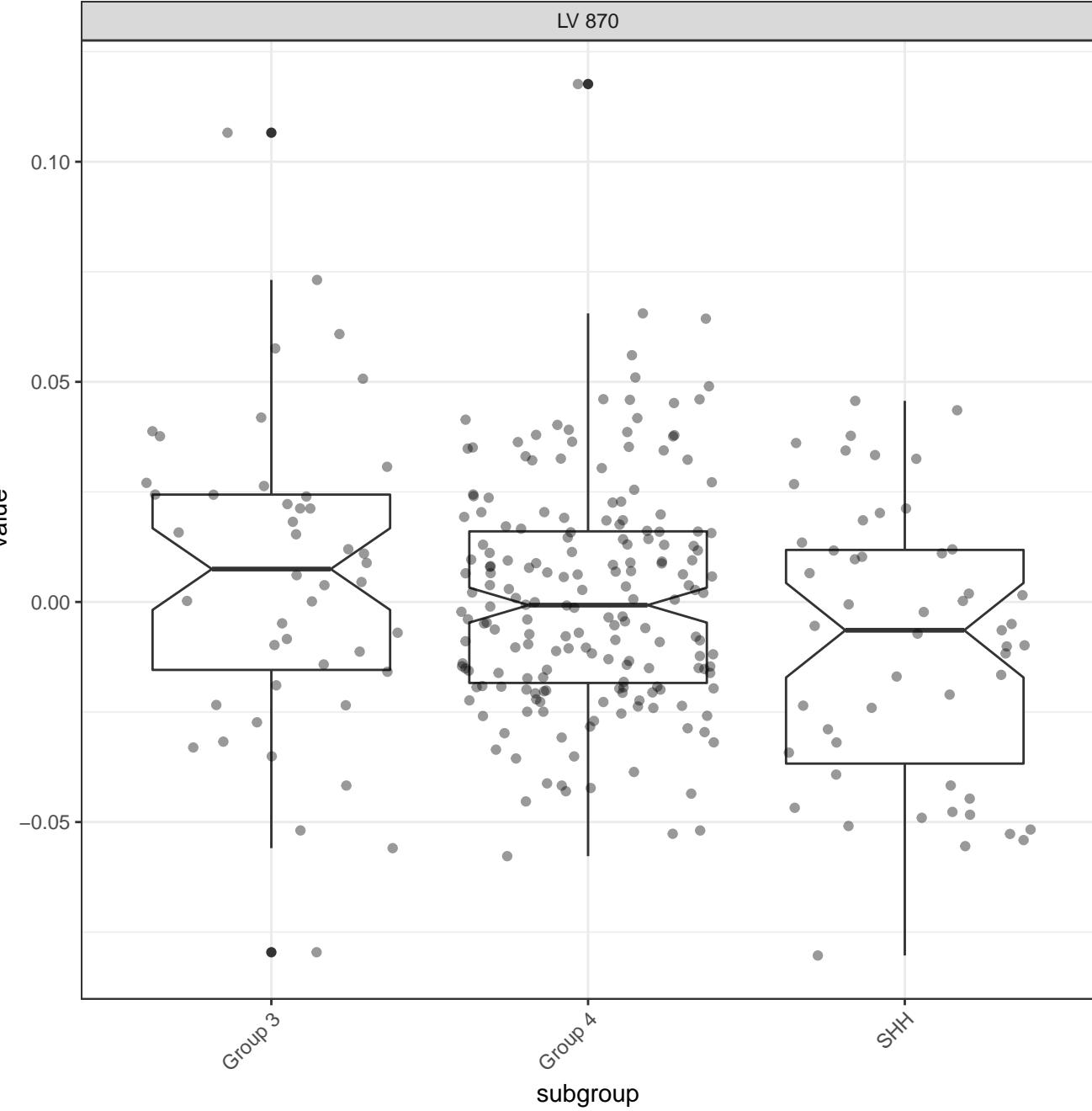
0.00

-0.05

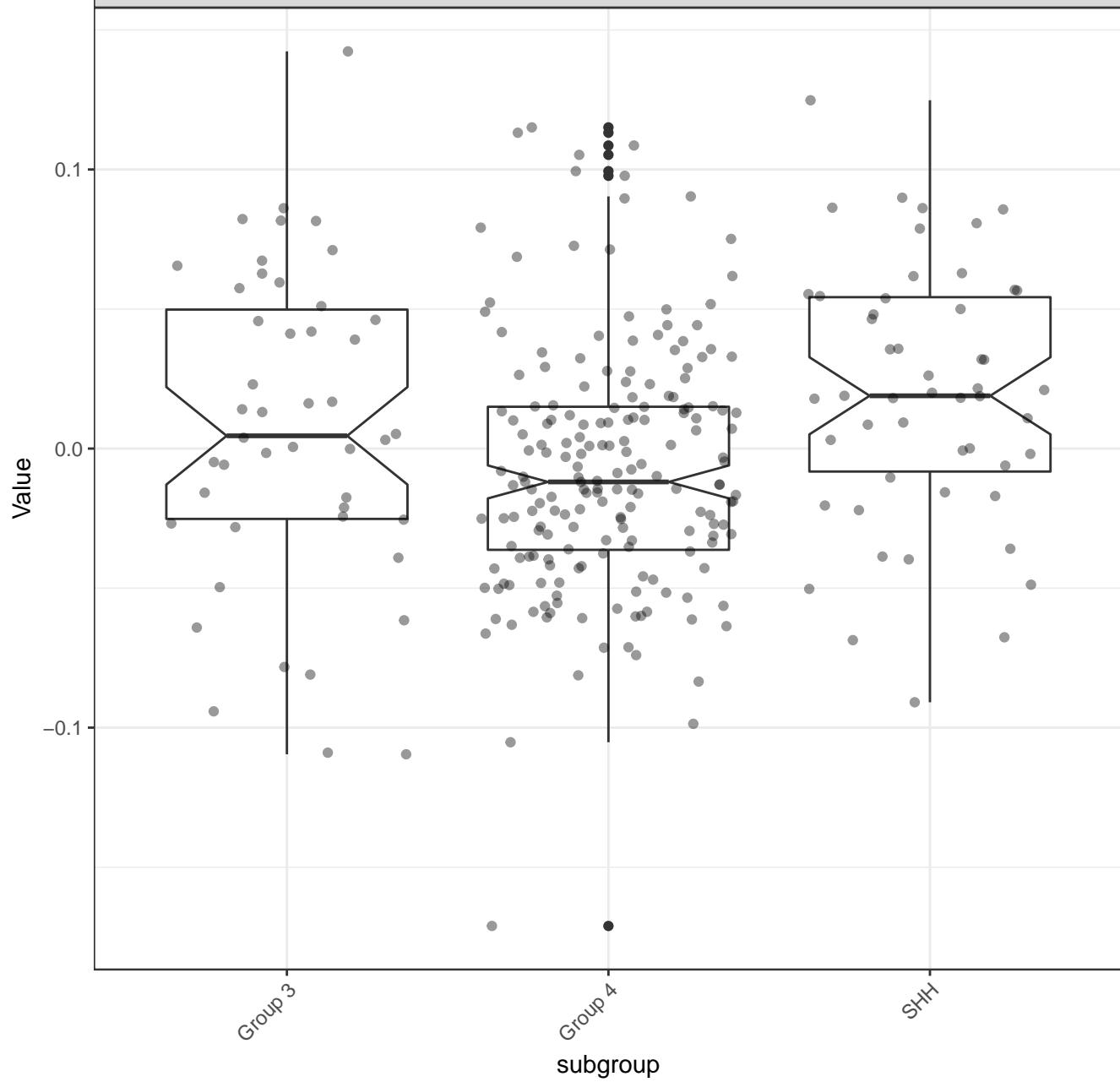
Group 3

subgroup

SHH



LV 871



LV 872

Value

0.15

0.10

0.05

0.00

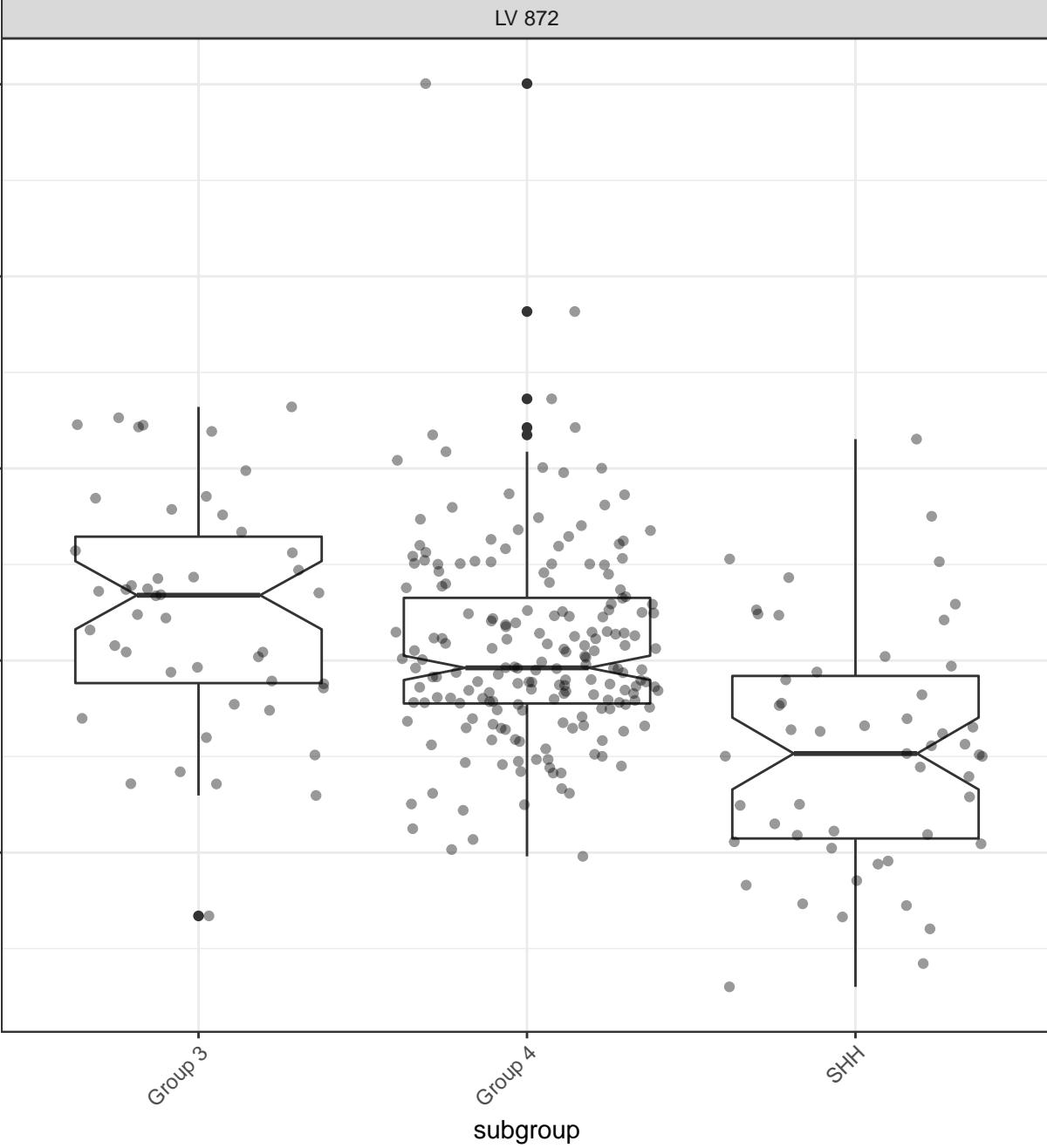
-0.05

Group 3

Group 4

SHH

subgroup



LV 873

Value

0.10

0.05

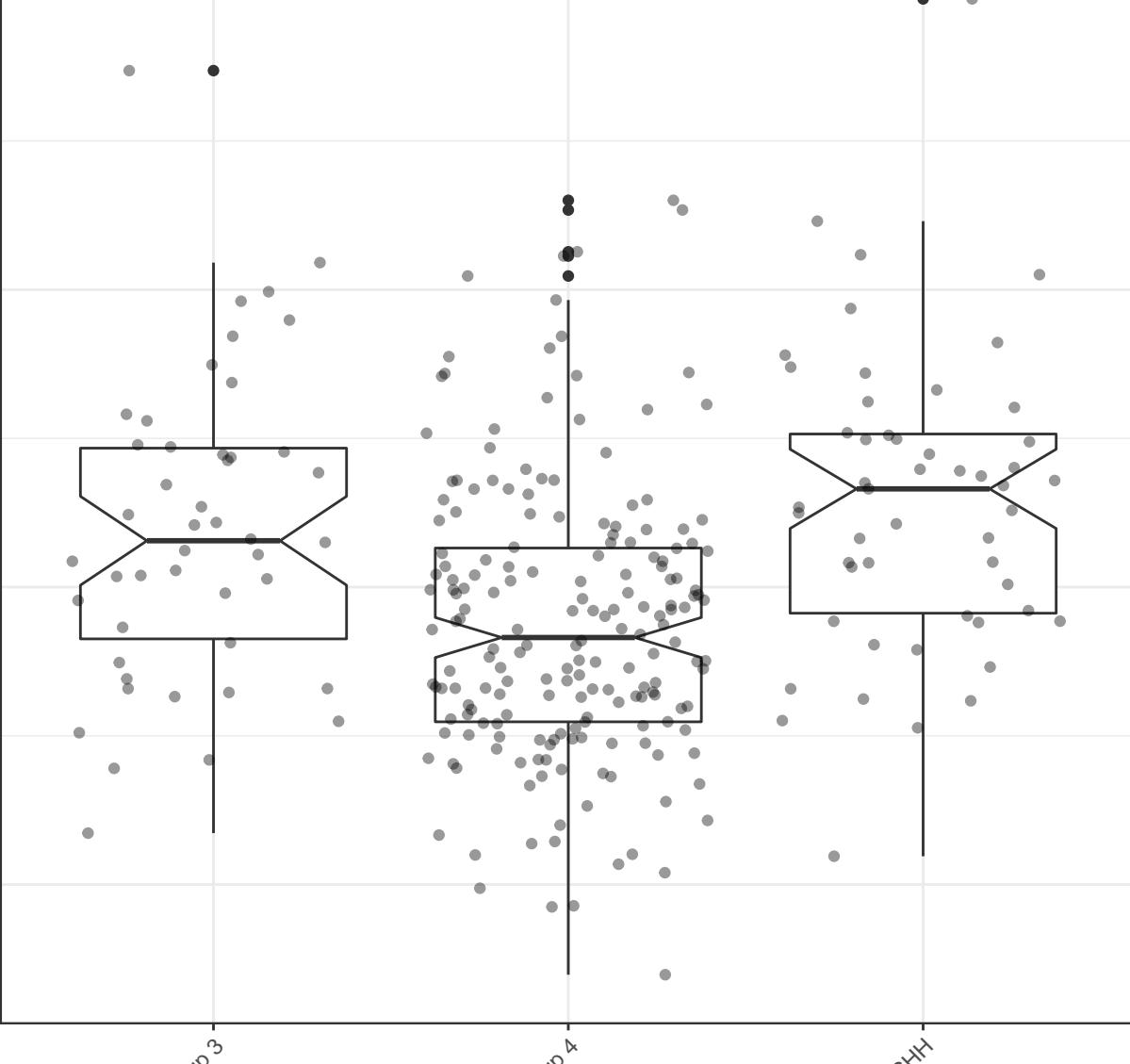
0.00

-0.05

Group 3

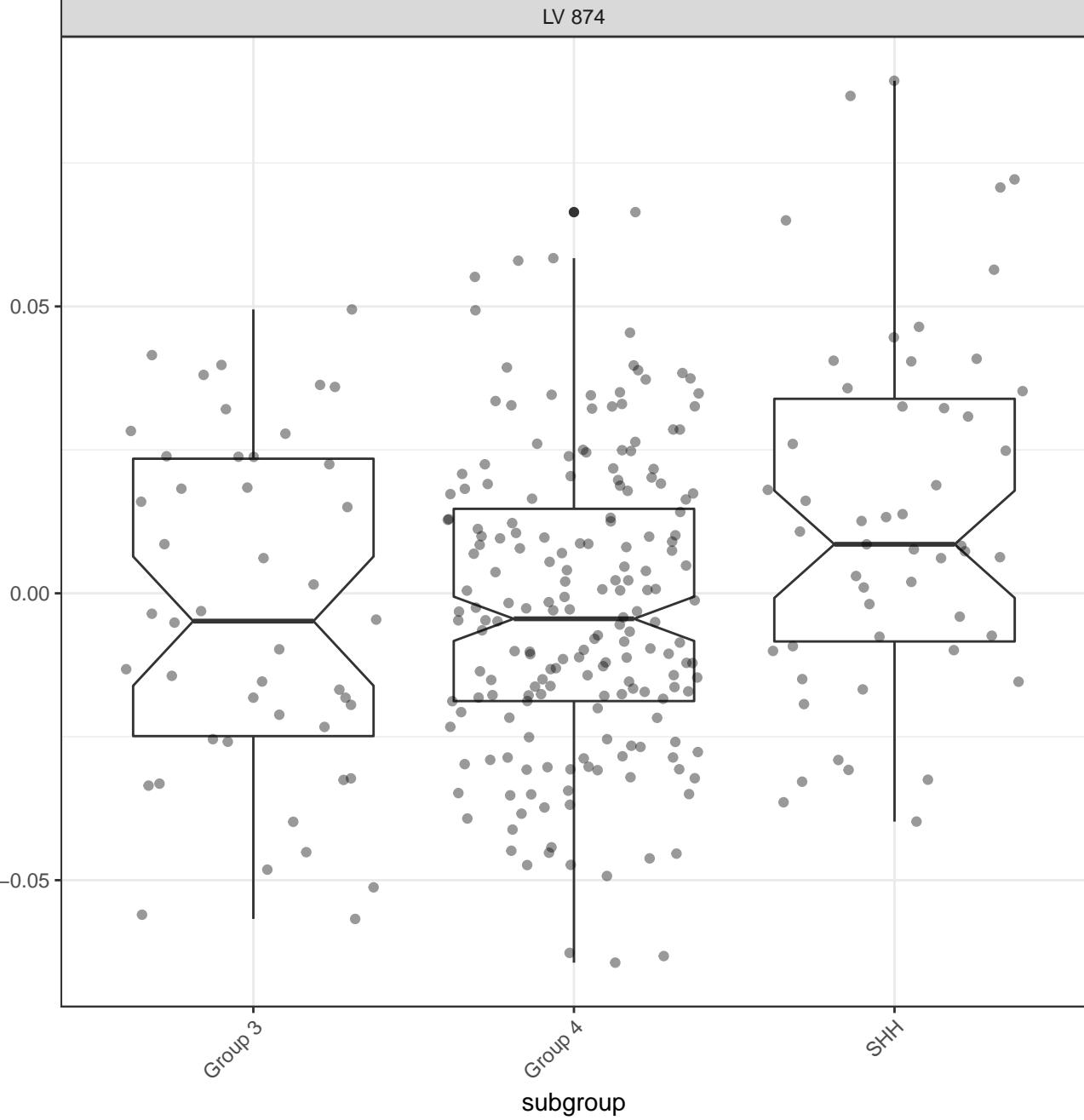
subgroup

SHH



LV 874

Value



LV 875

Value

0.05

0.00

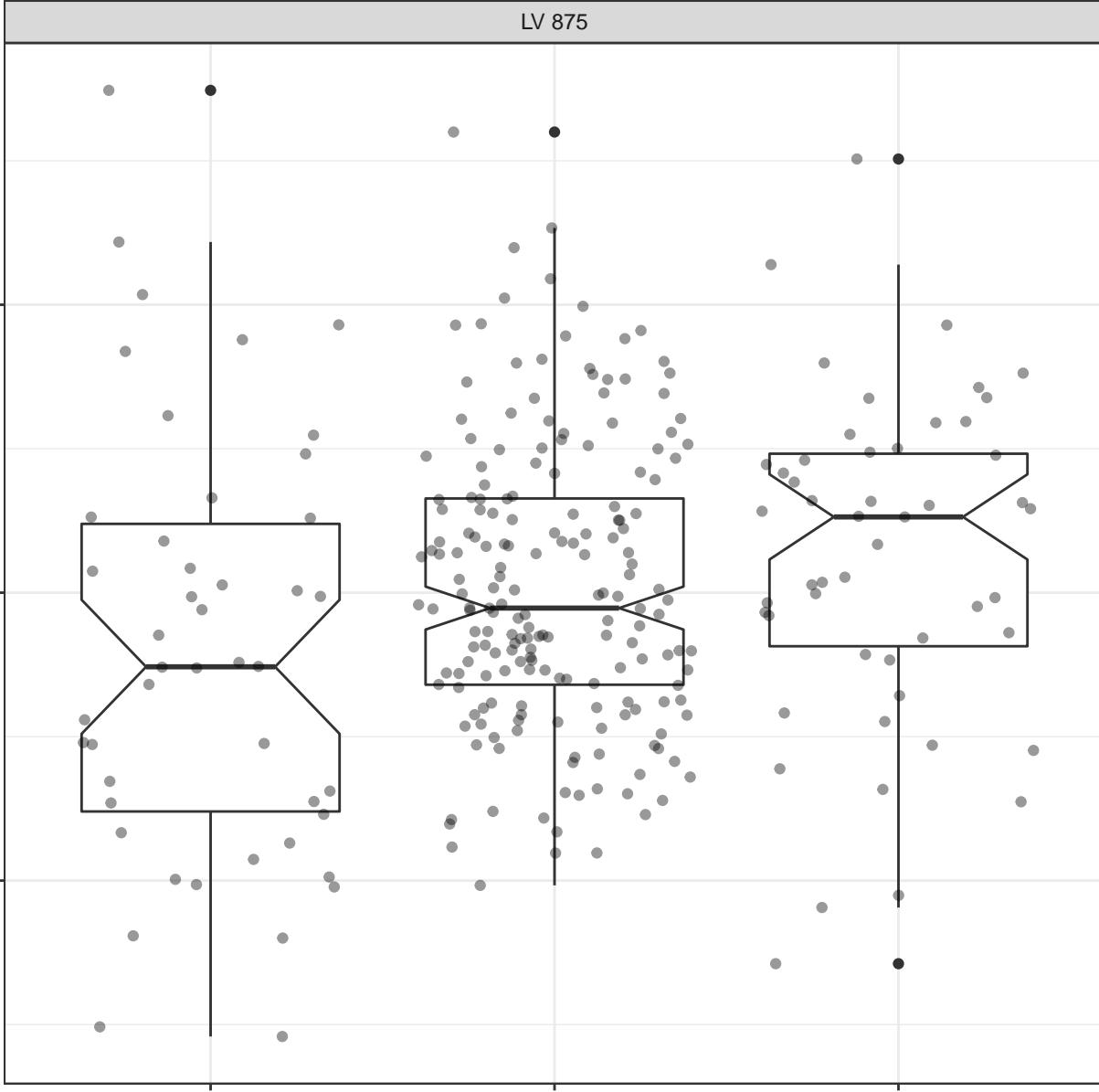
-0.05

Group 3

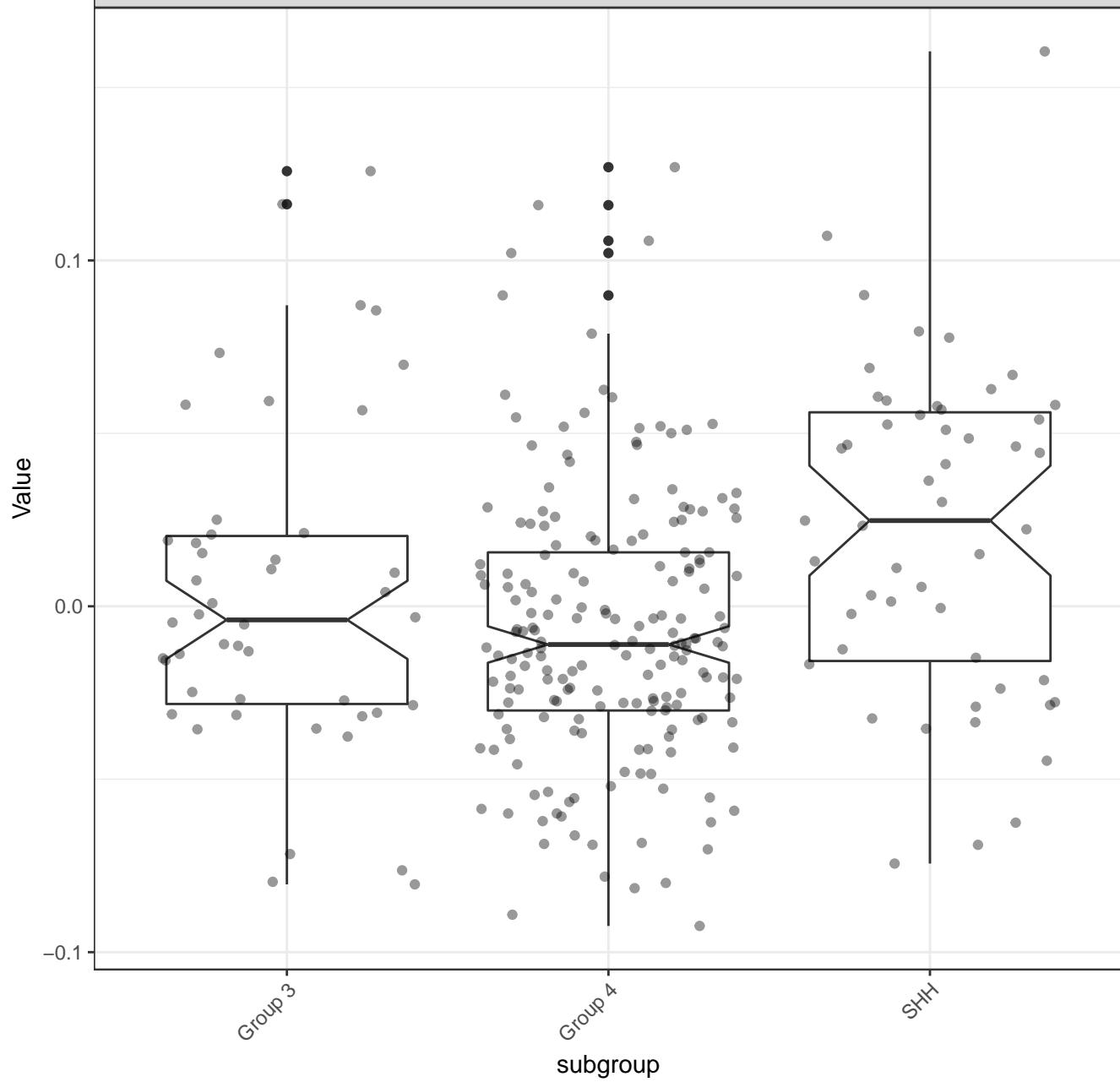
subgroup

Group 4

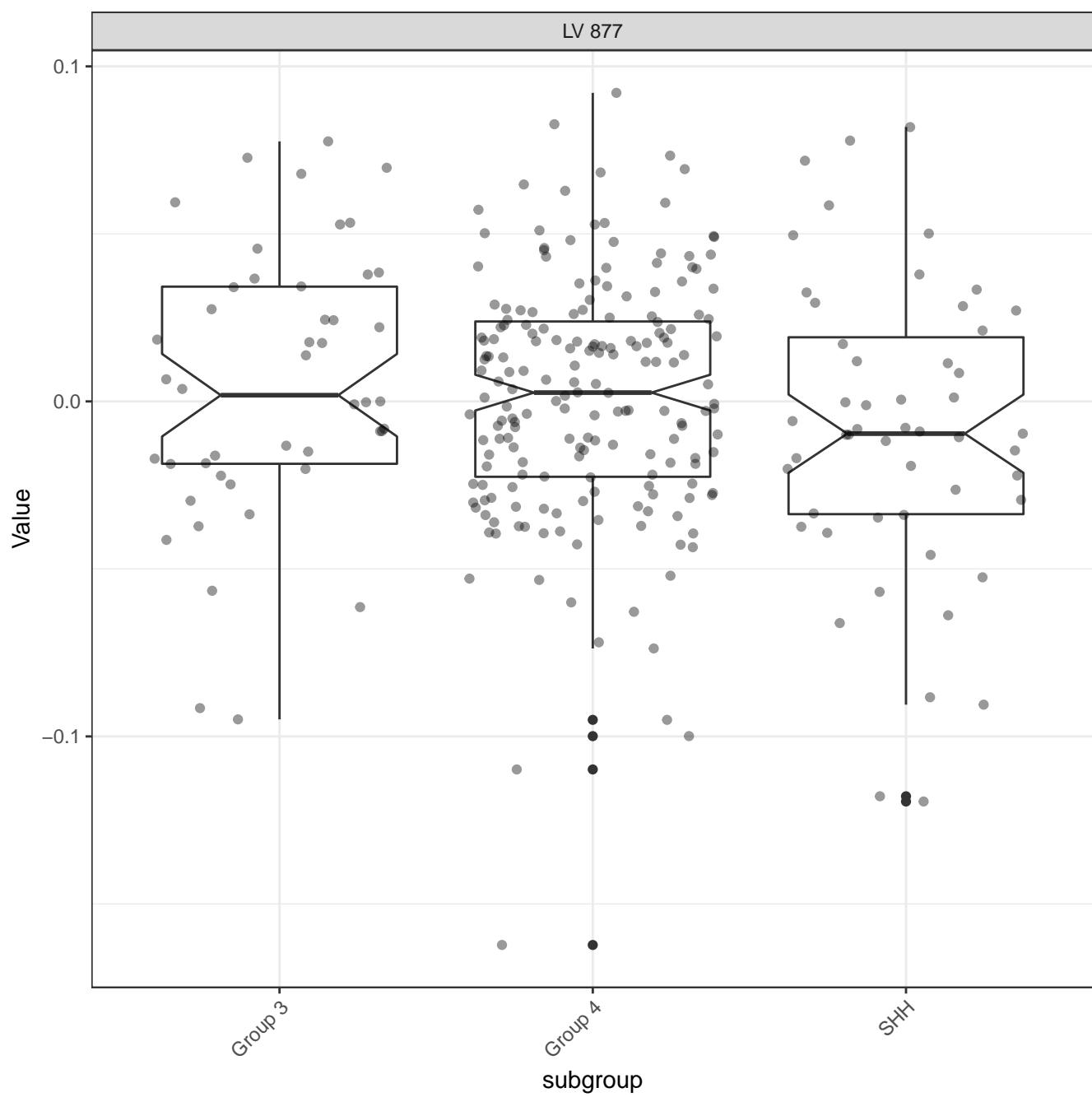
SHH

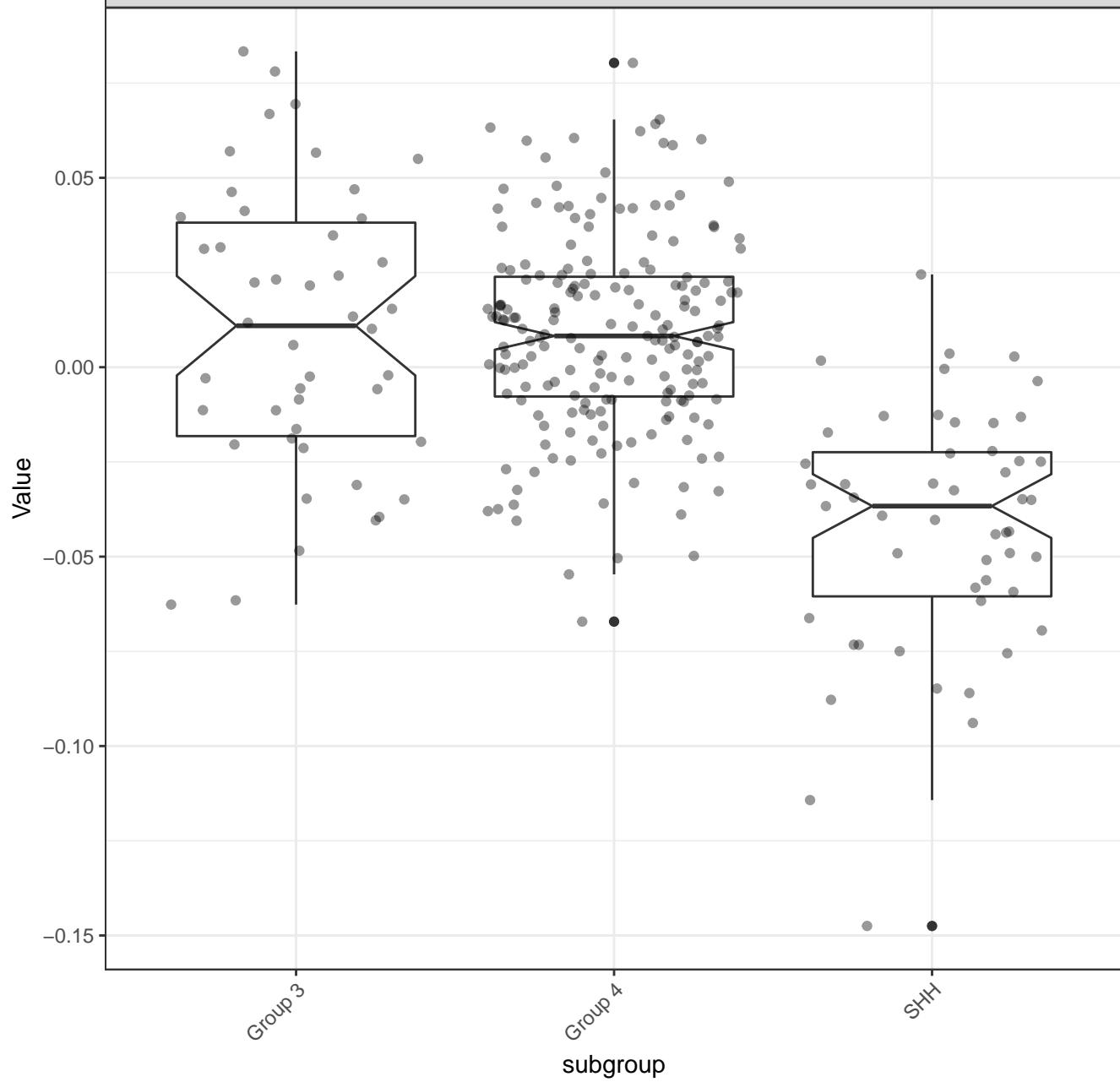


LV 876



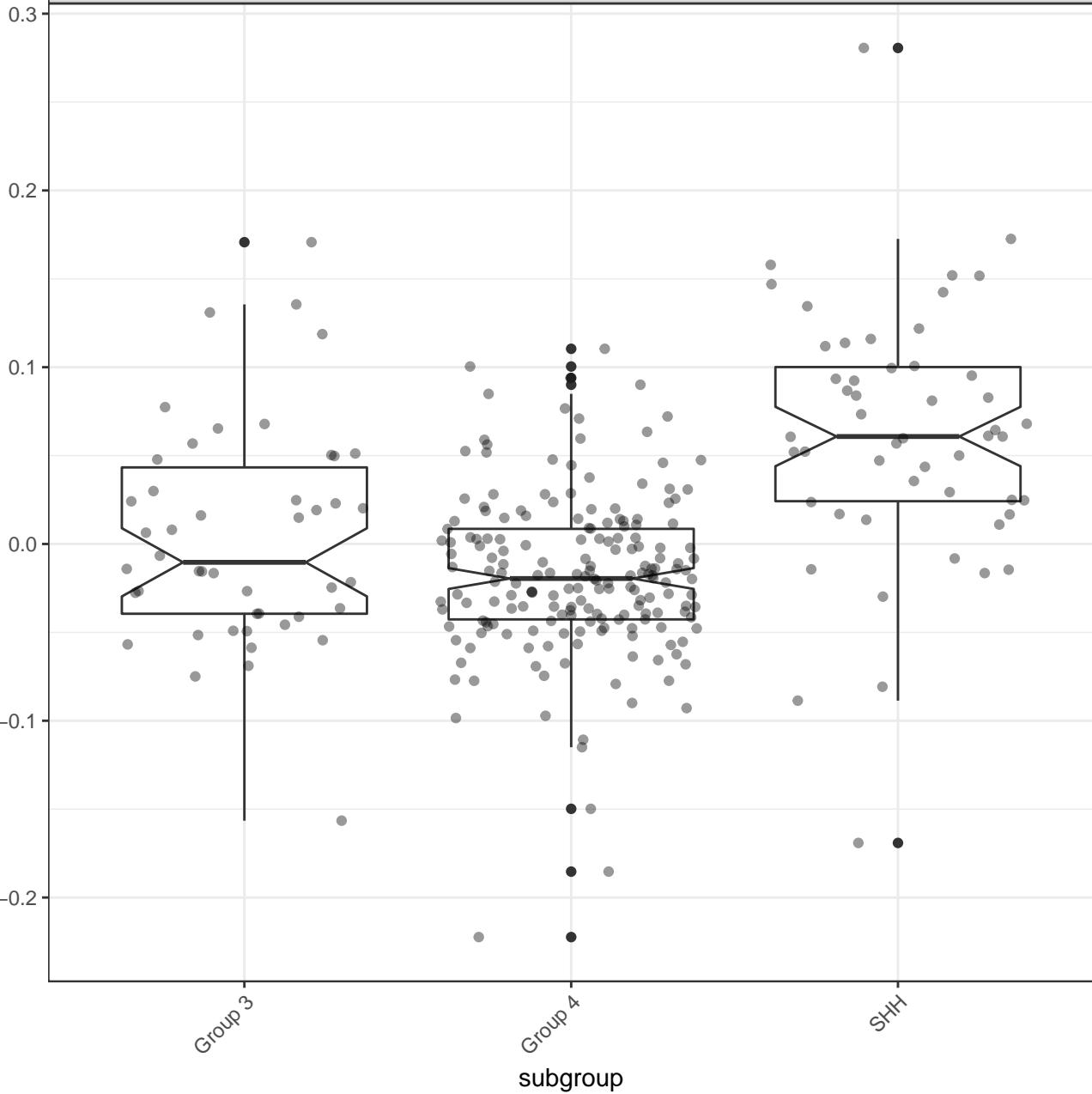
LV 877





879,REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM

Value



LV 880

Value

0.10

0.05

0.00

-0.05

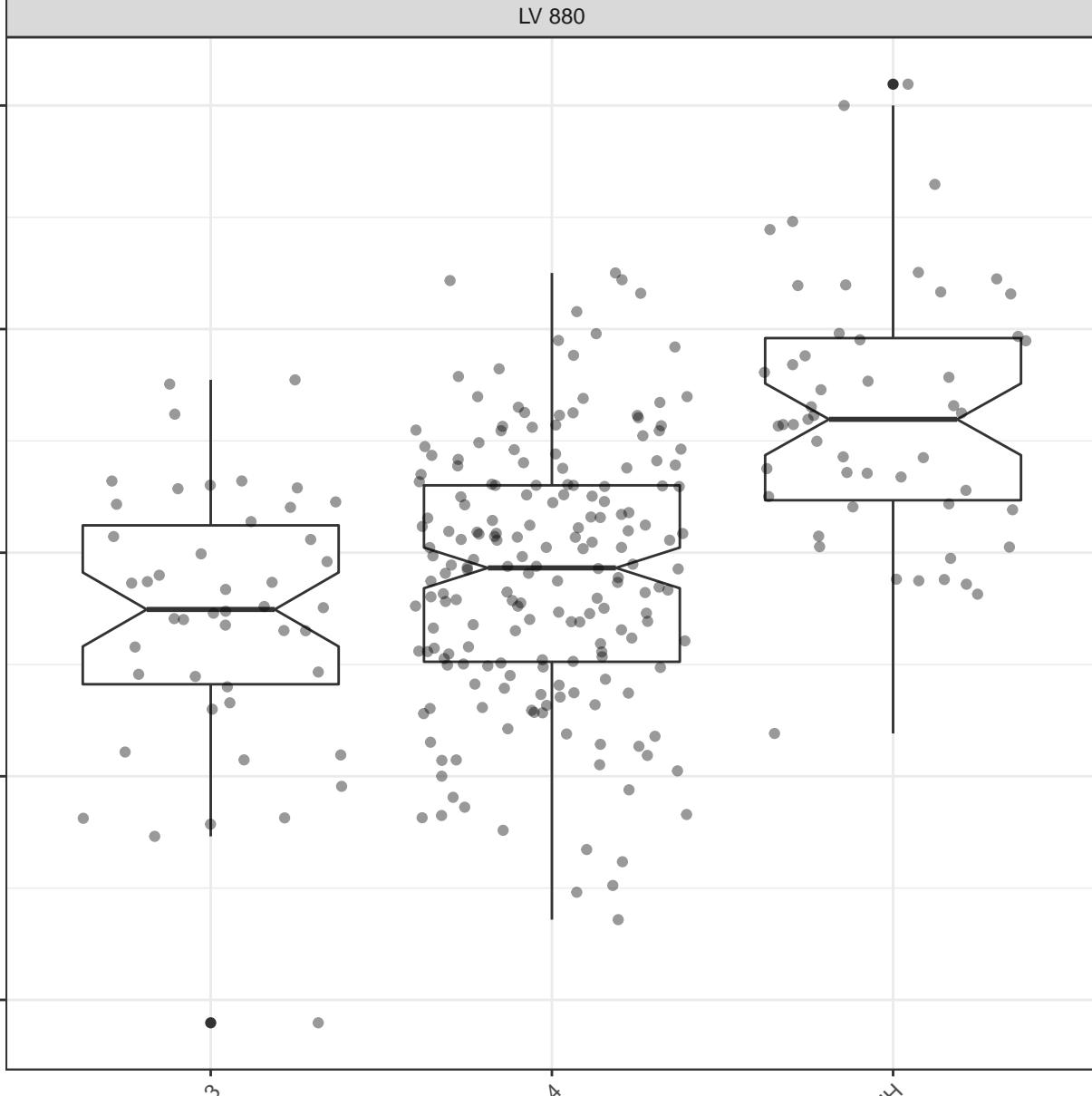
-0.10

Group 3

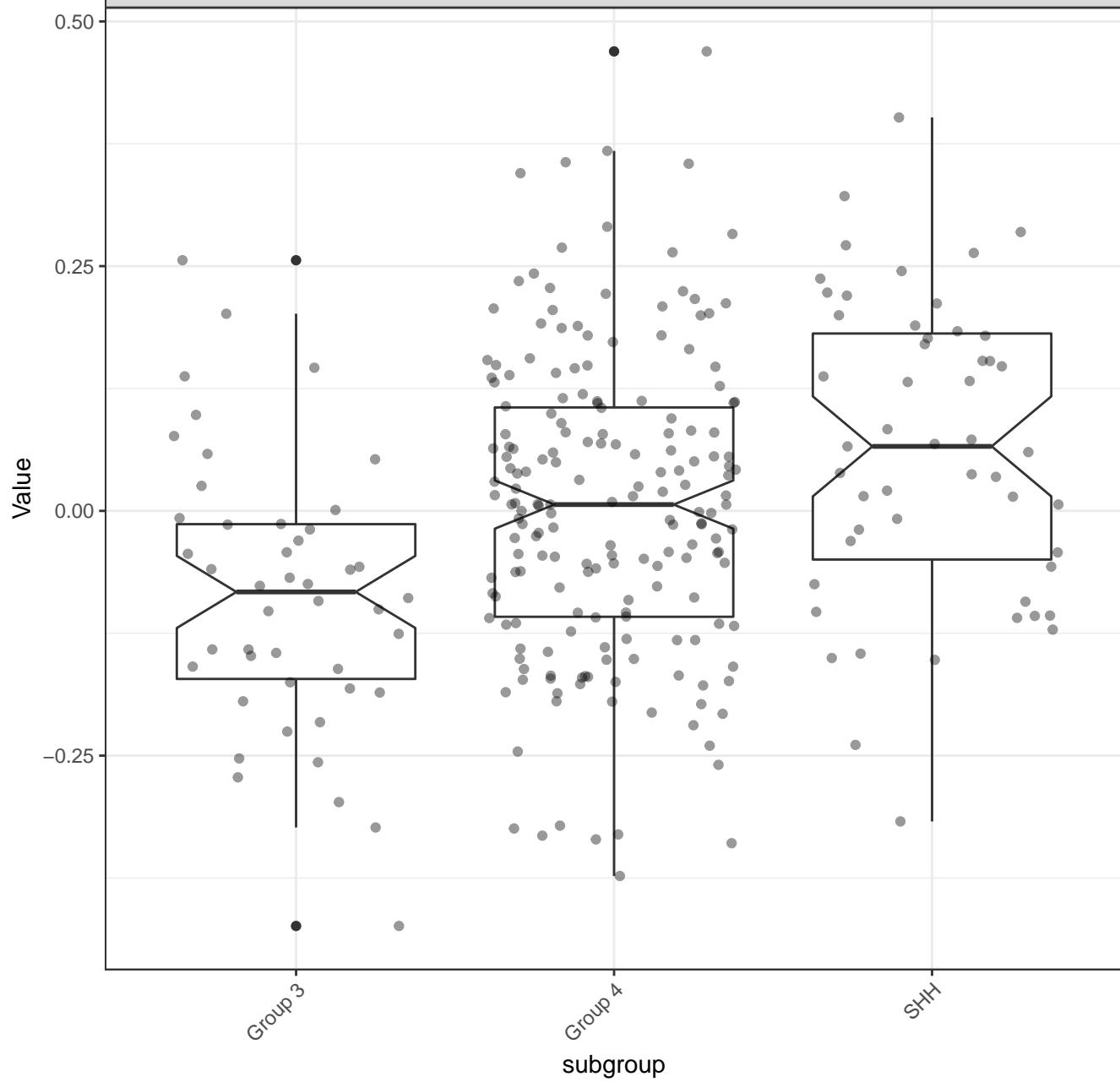
Group 4

SHH

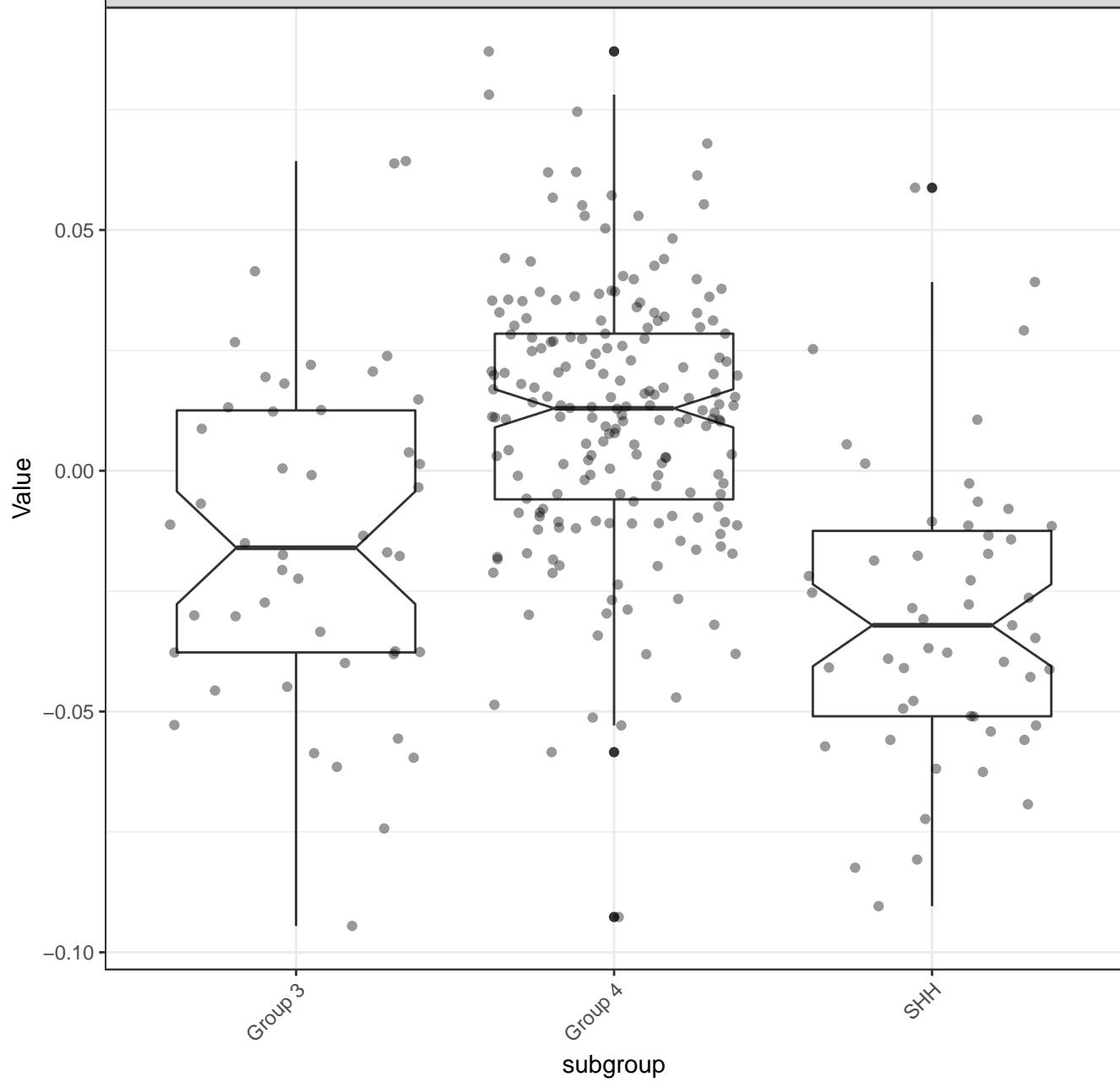
subgroup



881,REACTOME_DNA_STRAND_ELONGATION



LV 882



LV 883

Value

0.10

0.05

0.00

-0.05

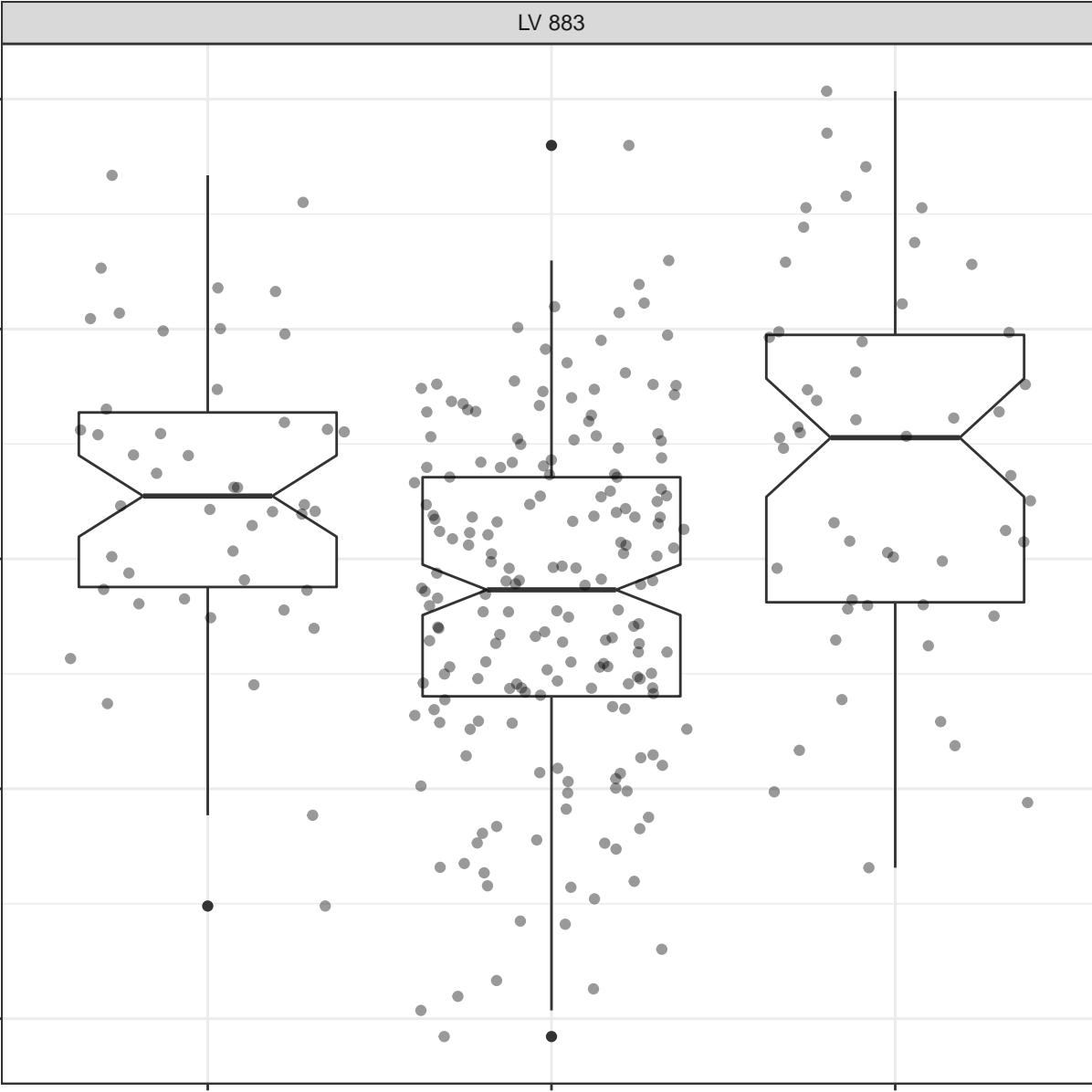
-0.10

Group 3

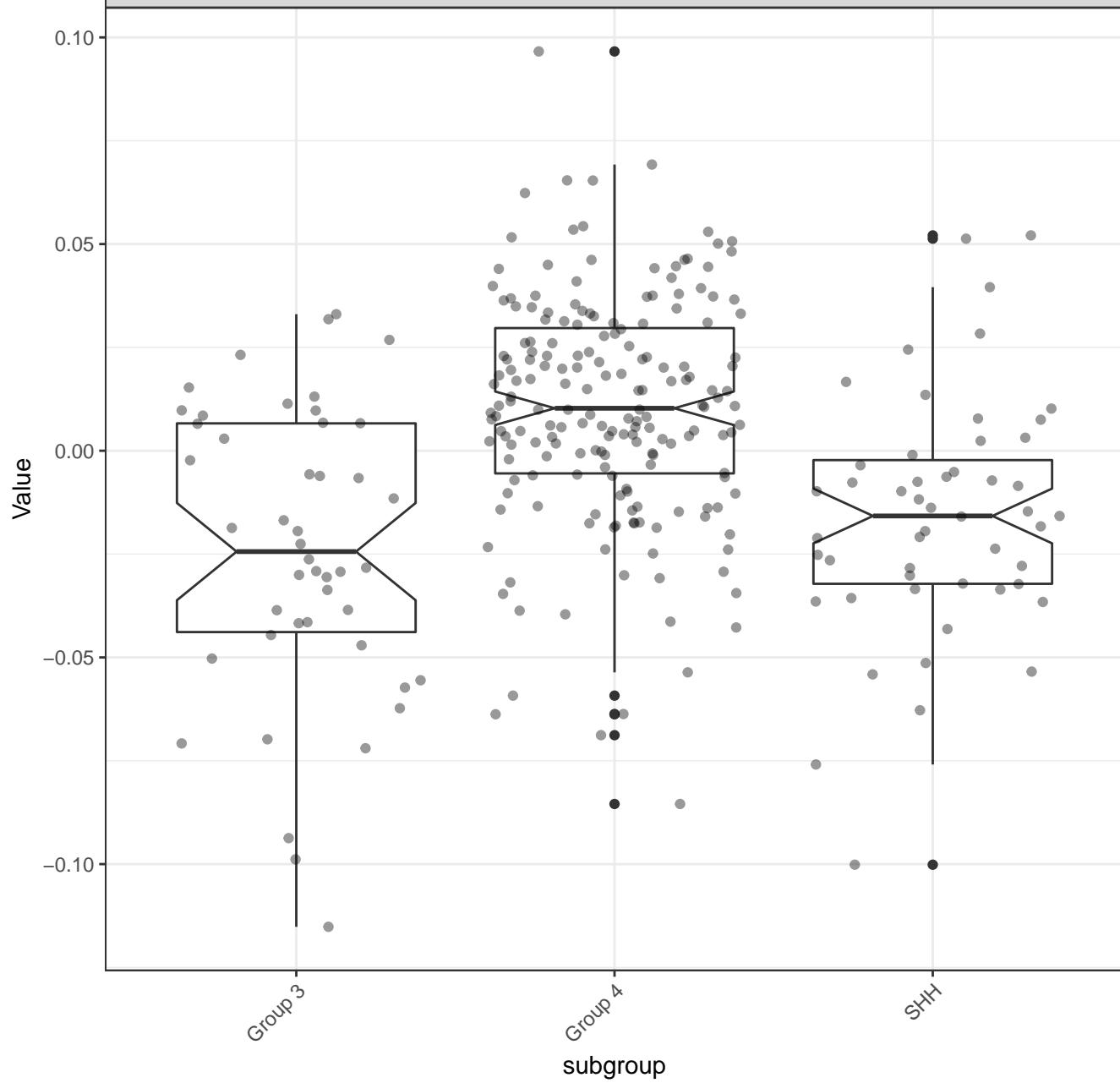
subgroup

Group 4

SHH



LV 884



LV 885

Value

0.3

0.2

0.1

0.0

-0.1

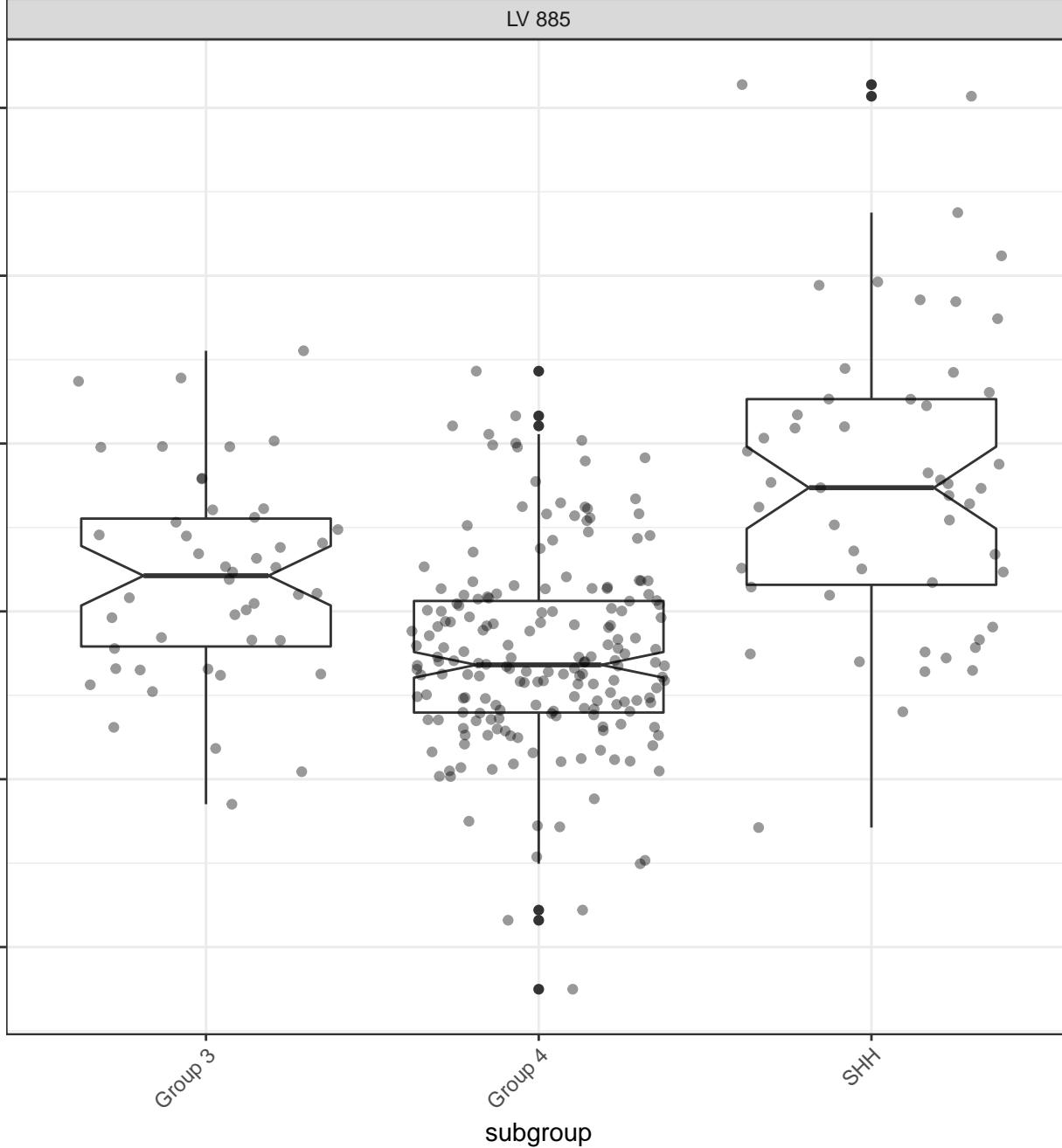
-0.2

Group 3

Group 4

SHH

subgroup



LV 886

Value

0.1

0.0

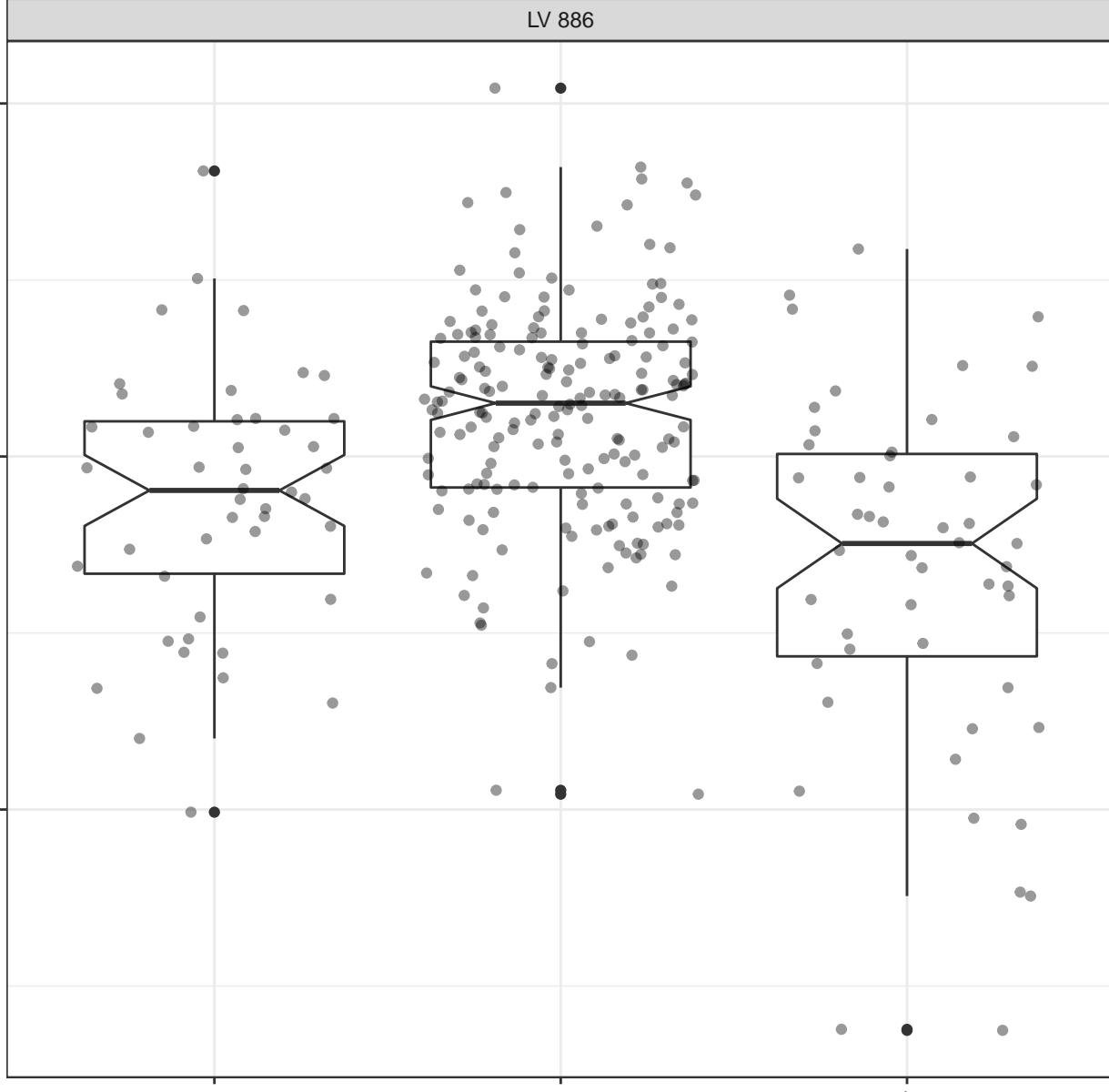
-0.1

Group 3

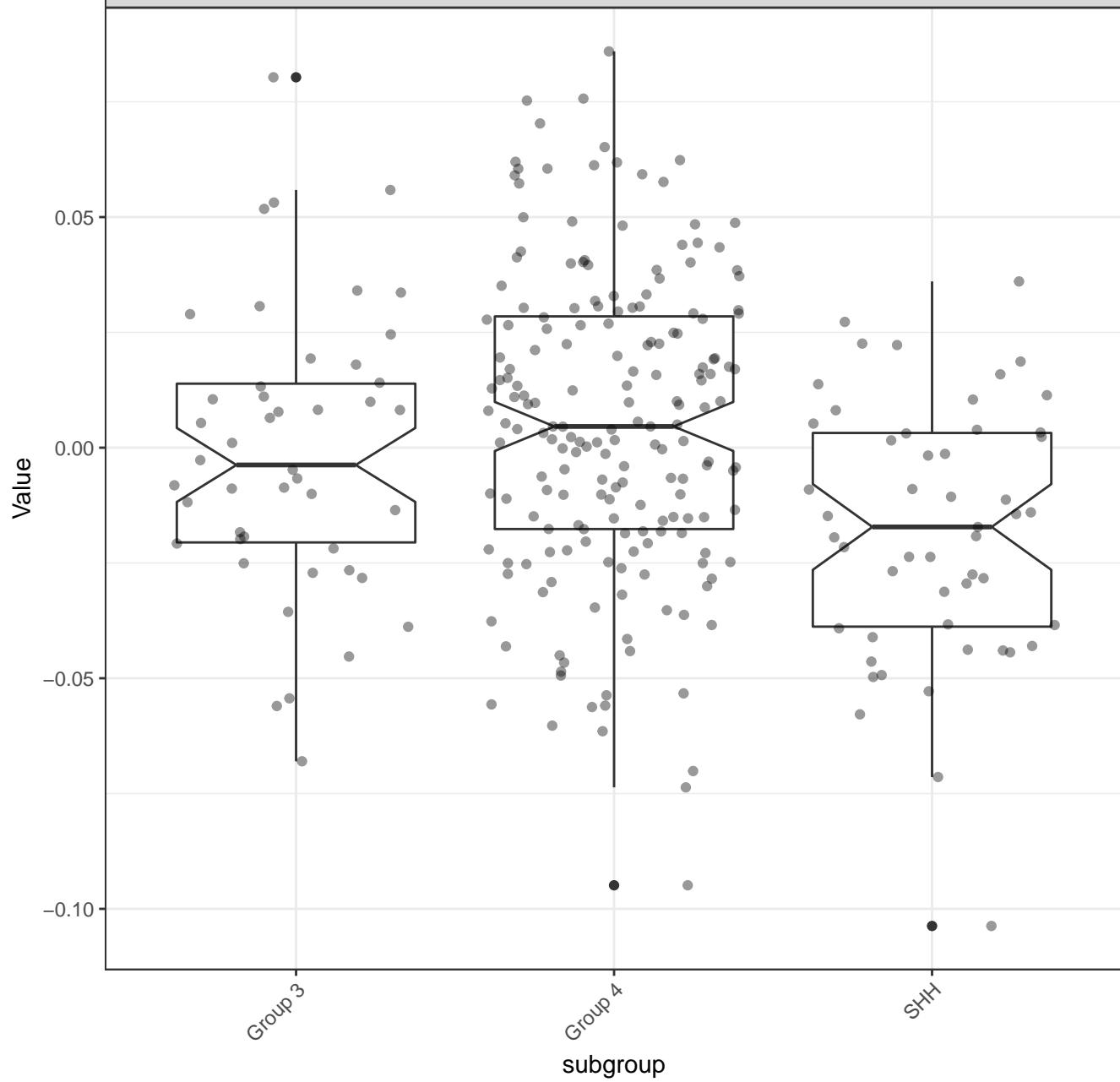
Group 4

SHH

subgroup



LV 887



LV 888

Value

0.10

0.05

0.00

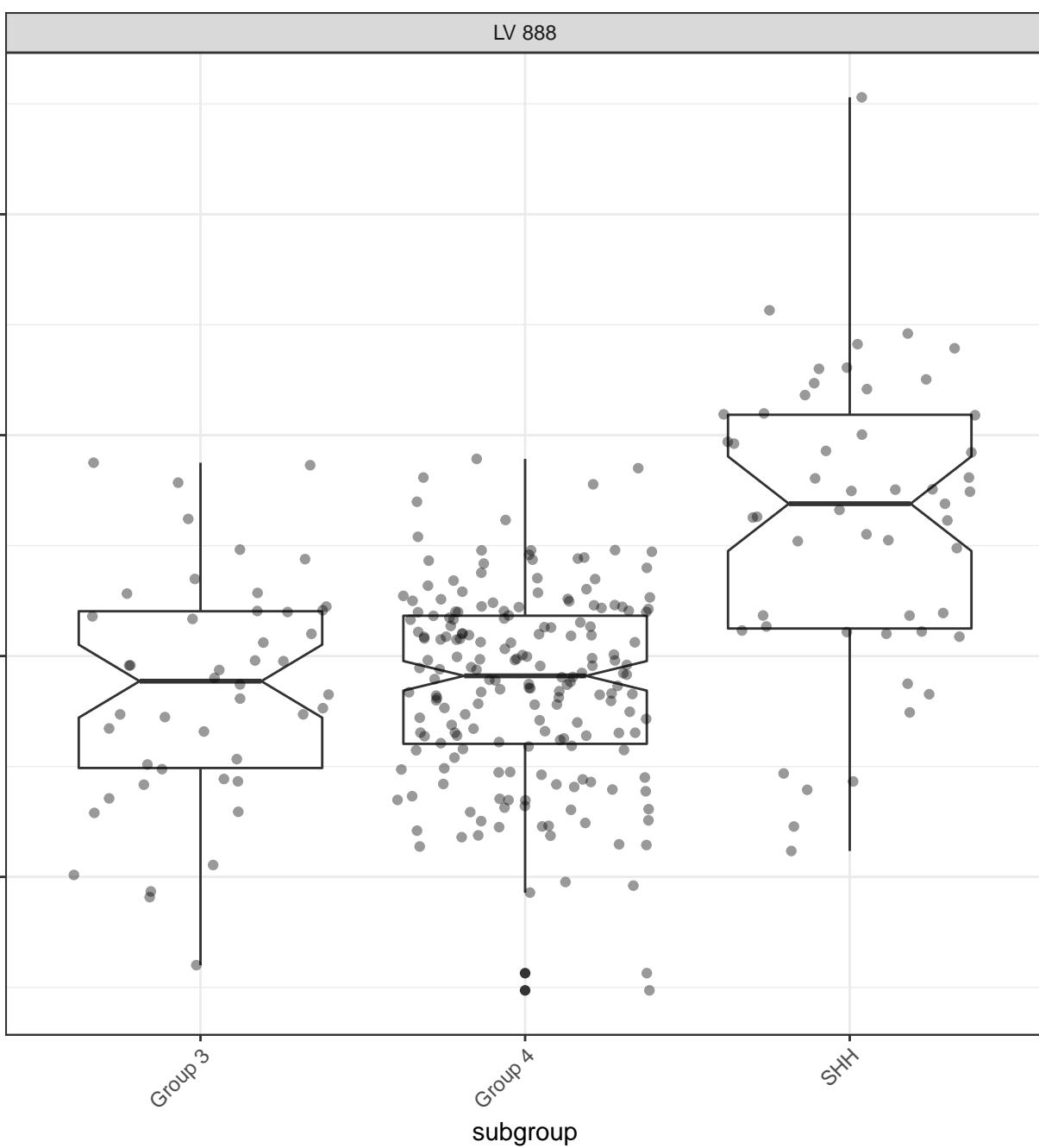
-0.05

Group 3

Group 4

SHH

subgroup



LV 889

Value

0.1

0.0

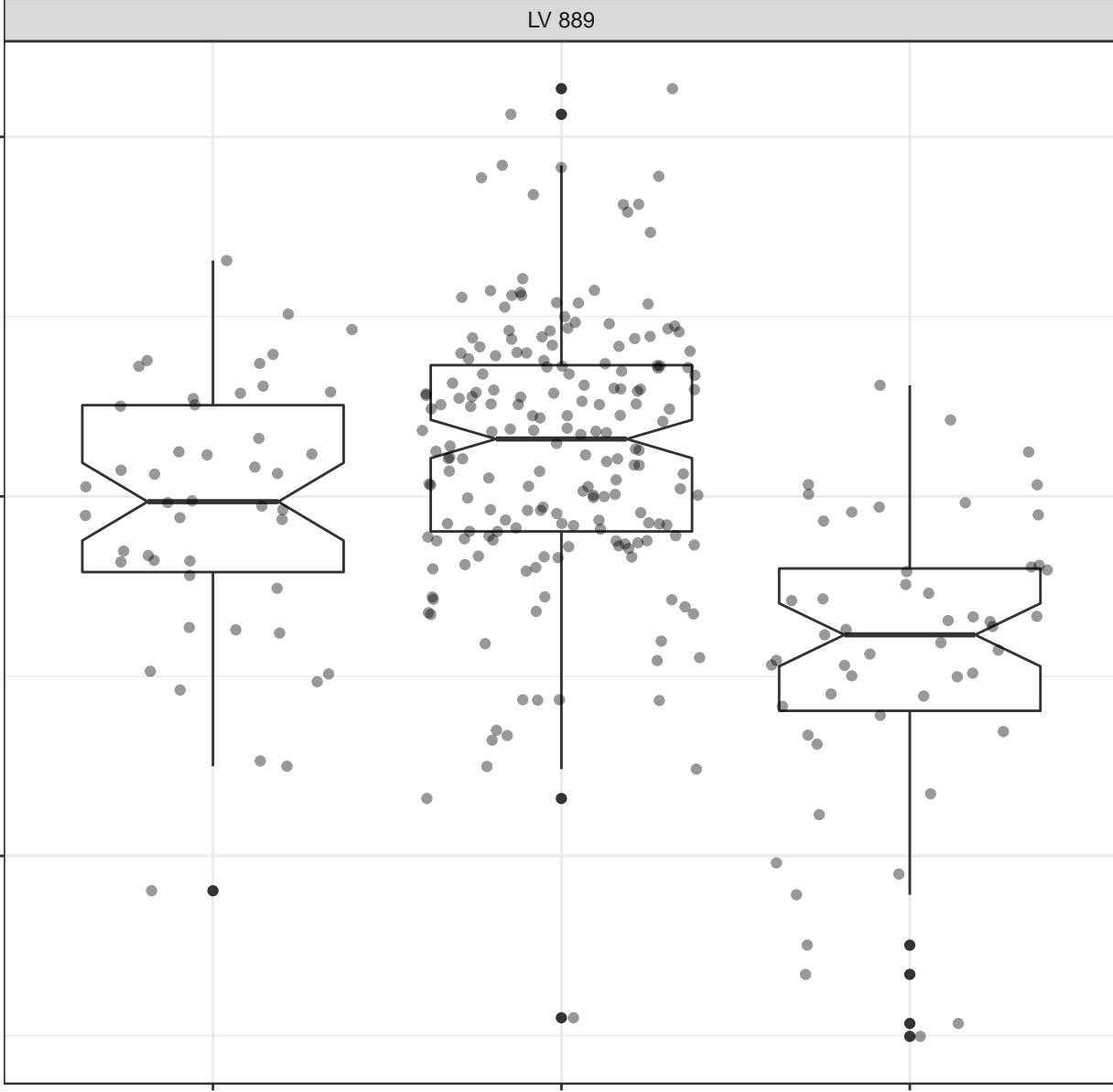
-0.1

Group³

Group⁴

SHH

subgroup



LV 890

Value

0.1

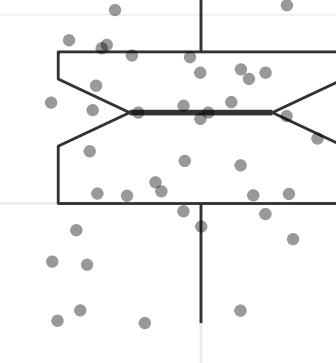
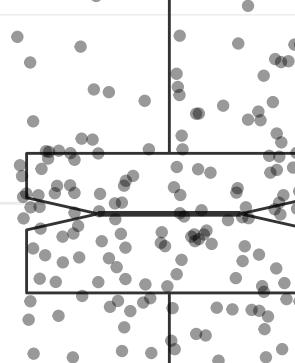
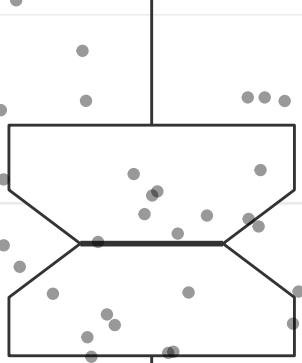
0.0

-0.1

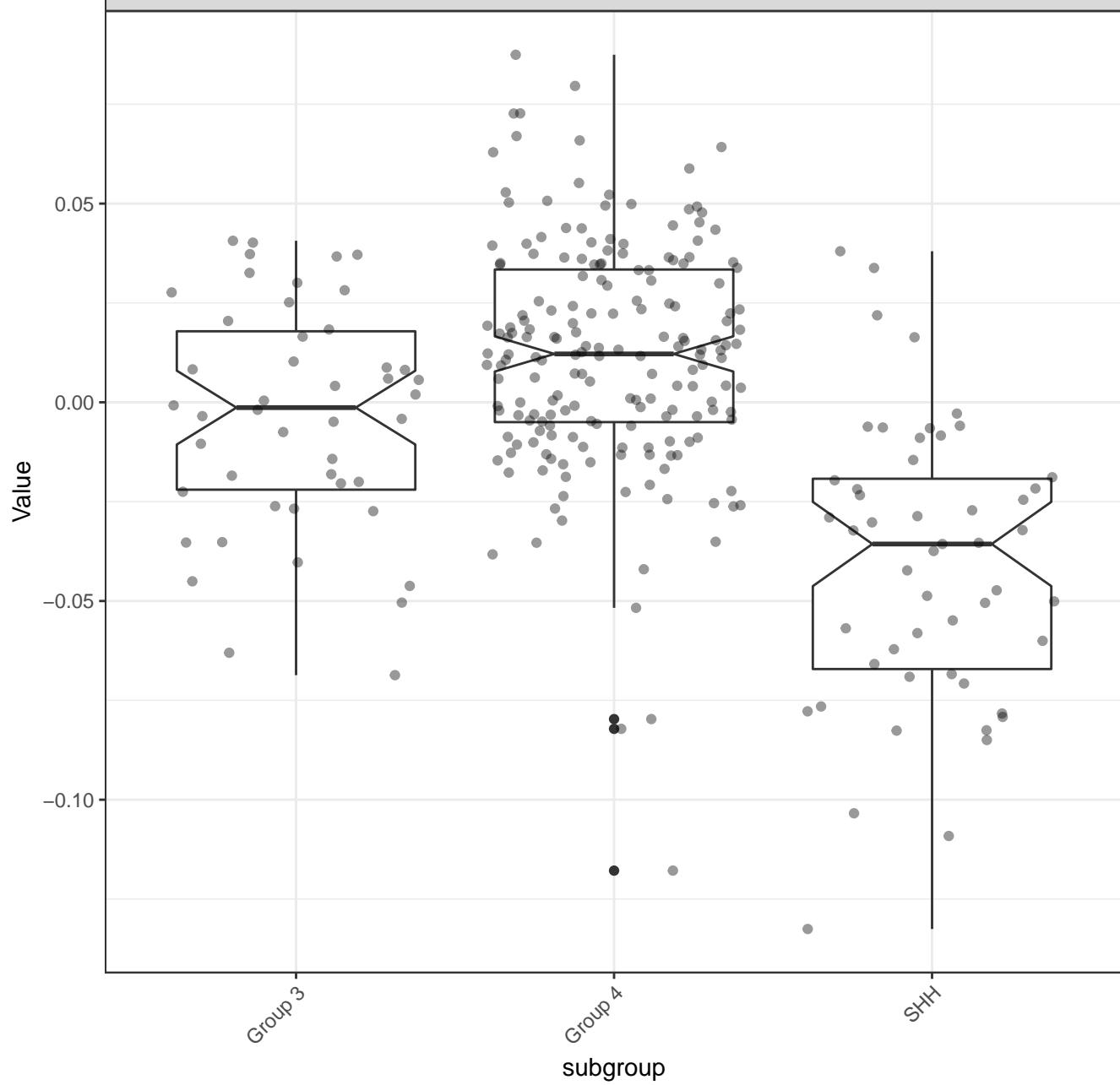
Group³Group⁴

SHH

subgroup



LV 891



LV 892

Value

0.10

0.05

0.00

-0.05

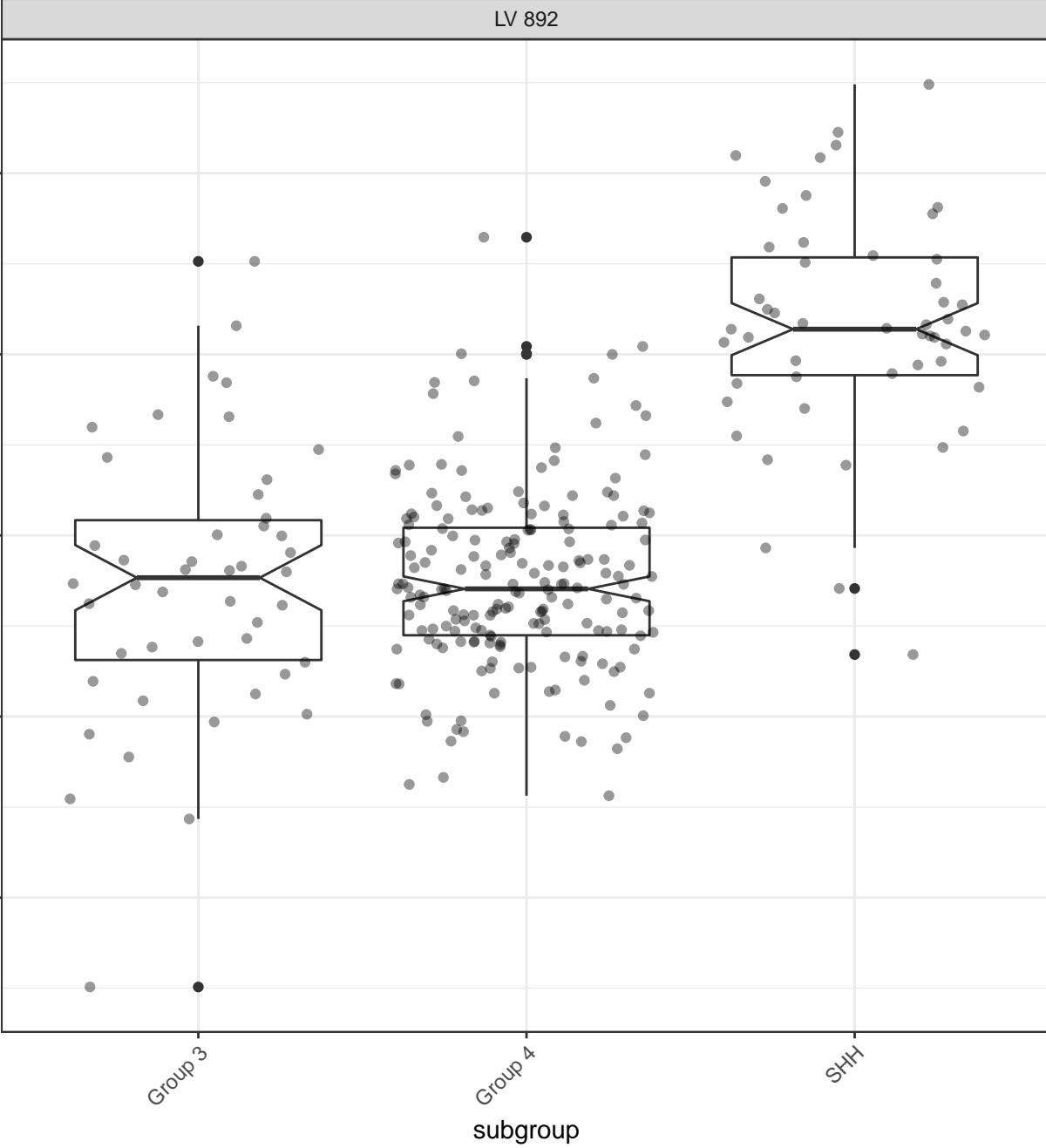
-0.10

Group 3

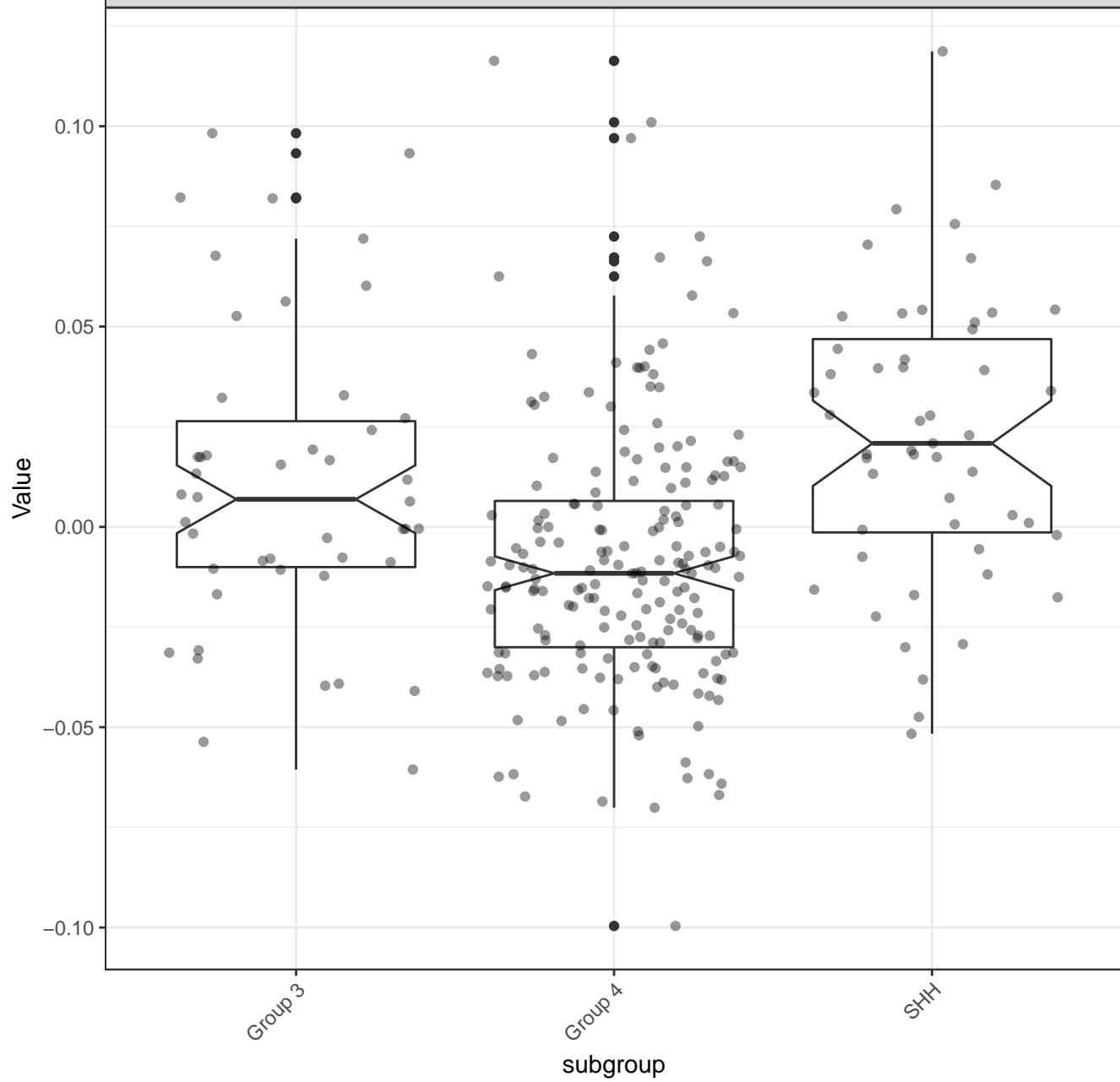
Group 4

SHH

subgroup



LV 893



LV 894

Value

0.05

0.00

-0.05

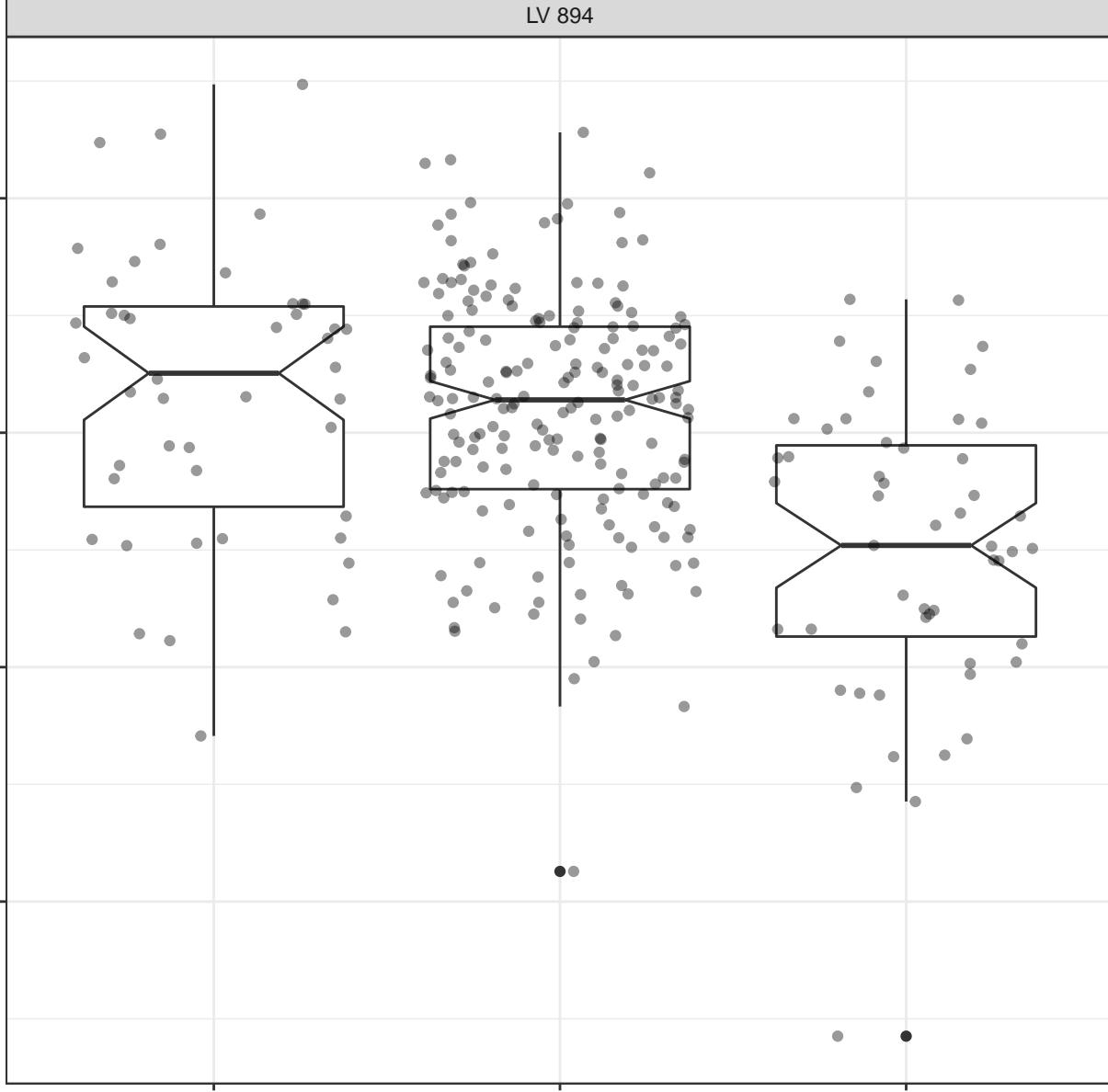
-0.10

Group 3

subgroup

Group 4

SHH



LV 895

Value

0.04

0.00

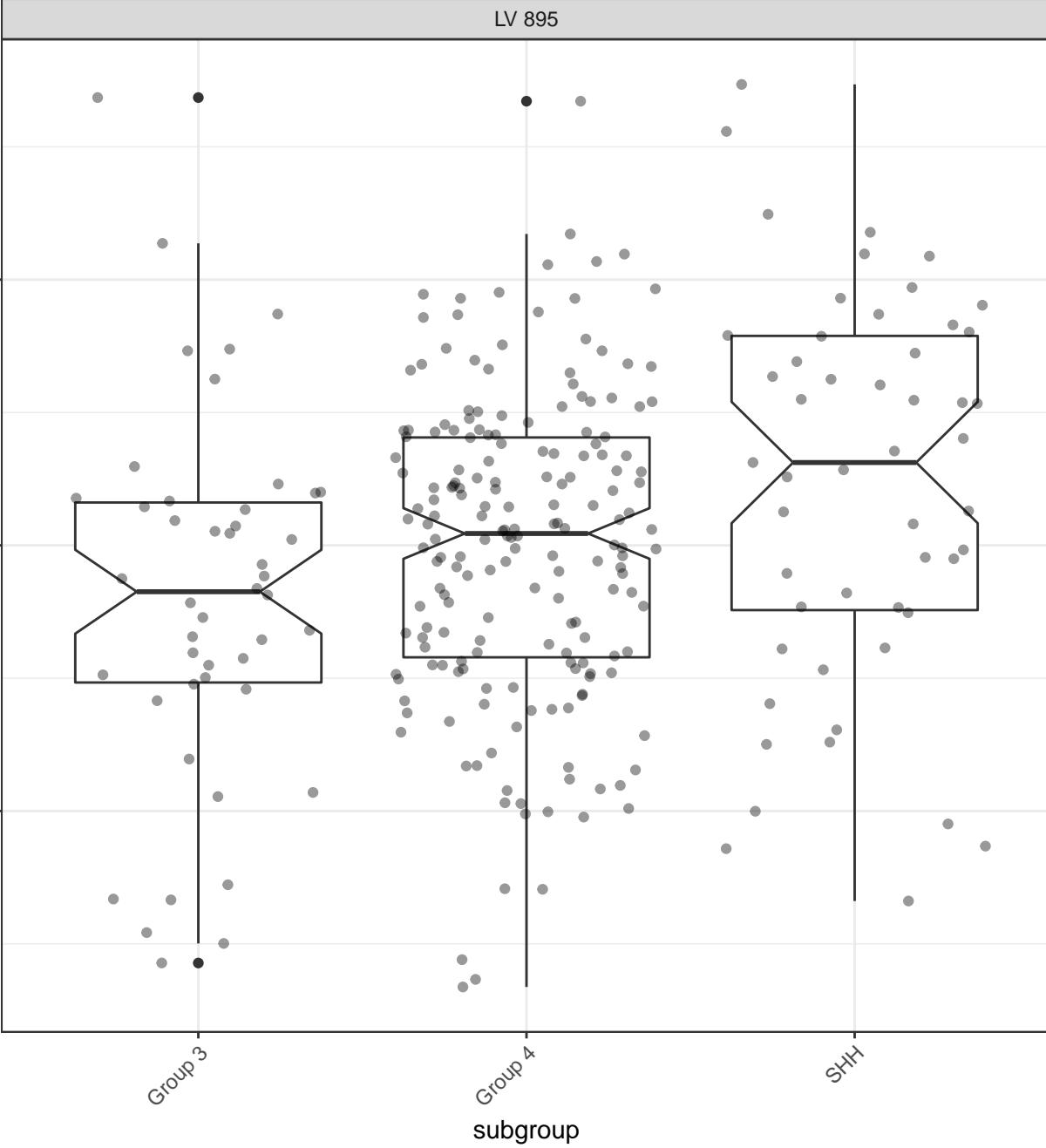
-0.04

Group 3

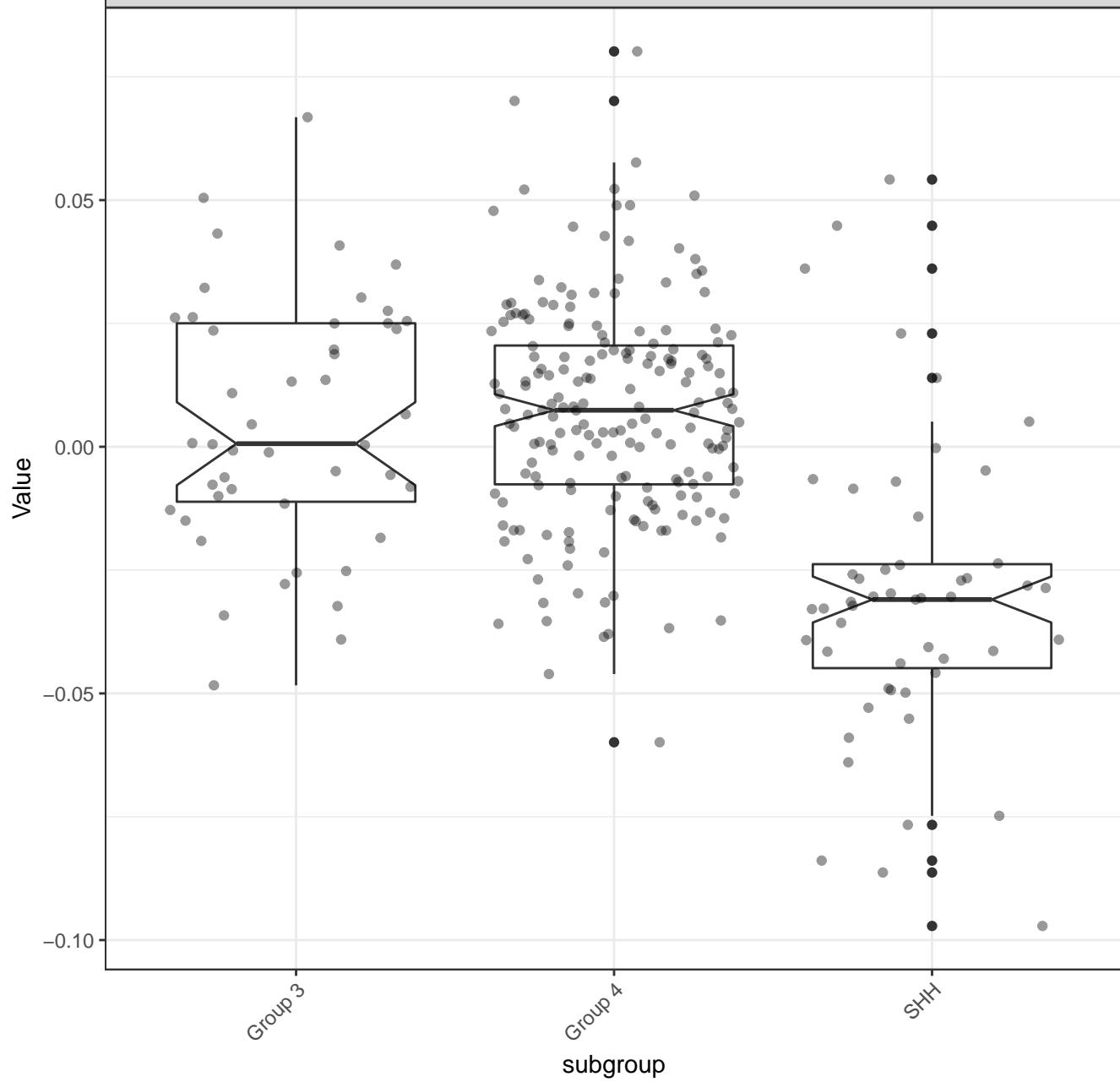
Group 4

SHH

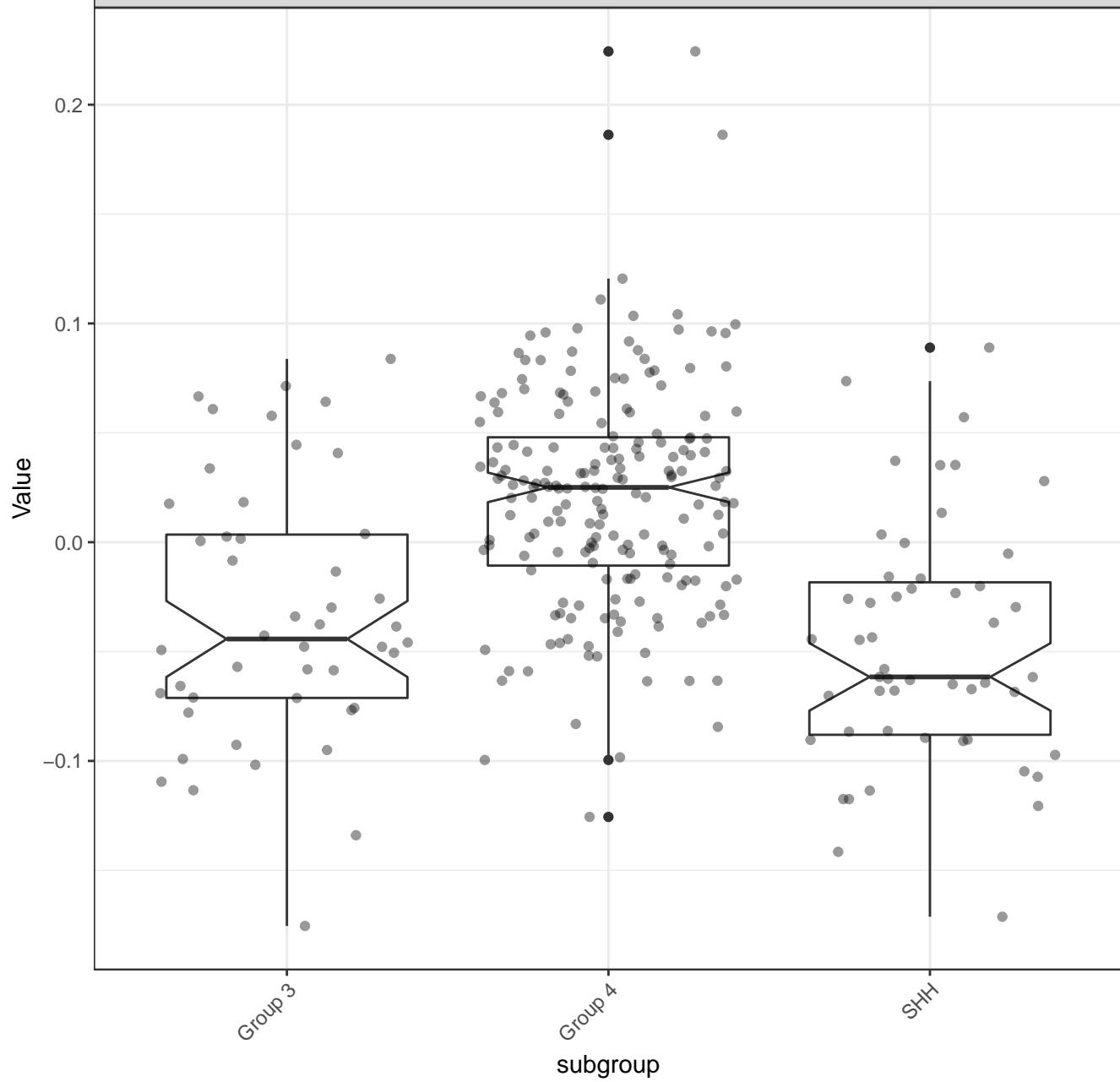
subgroup



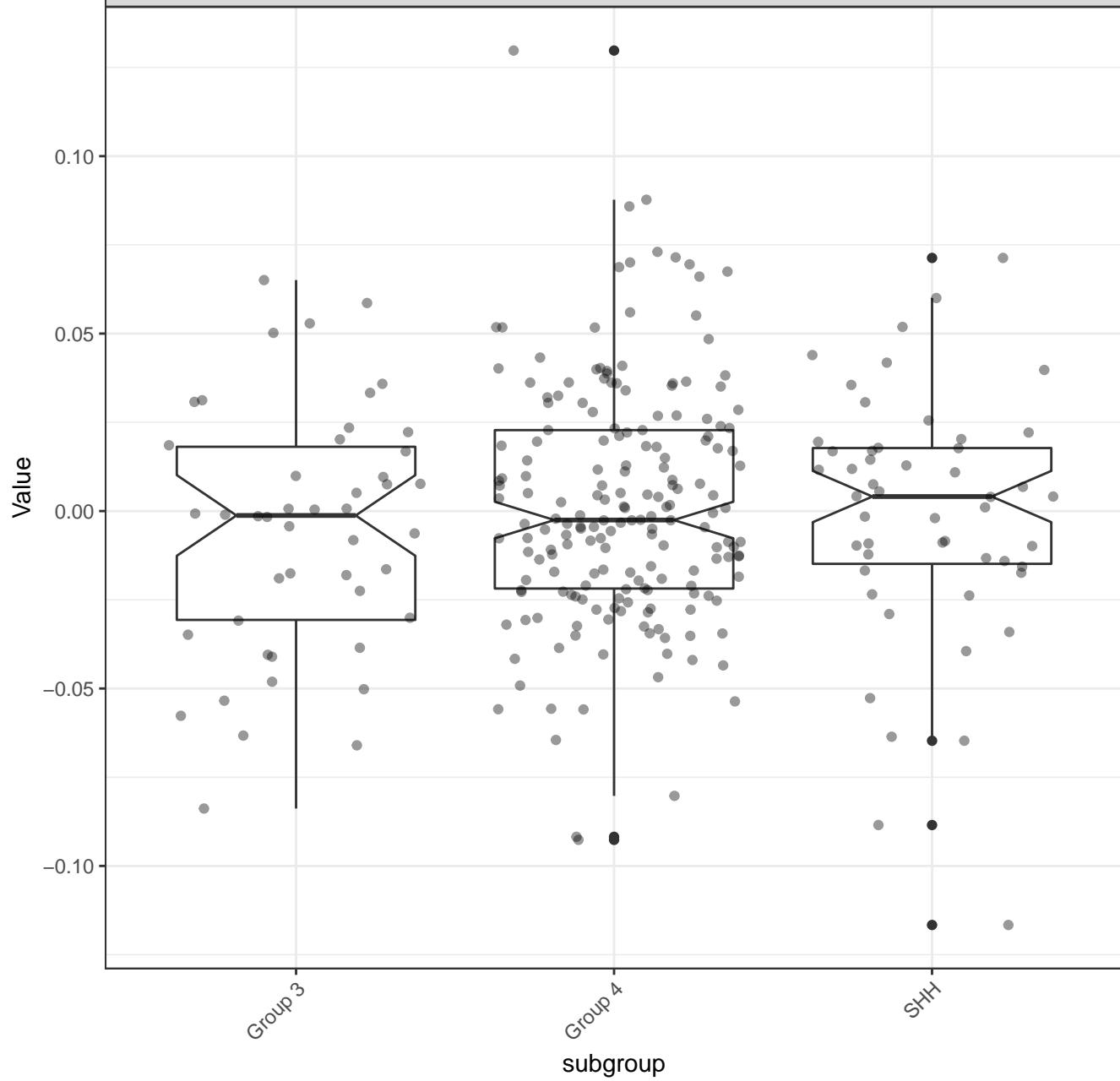
LV 896



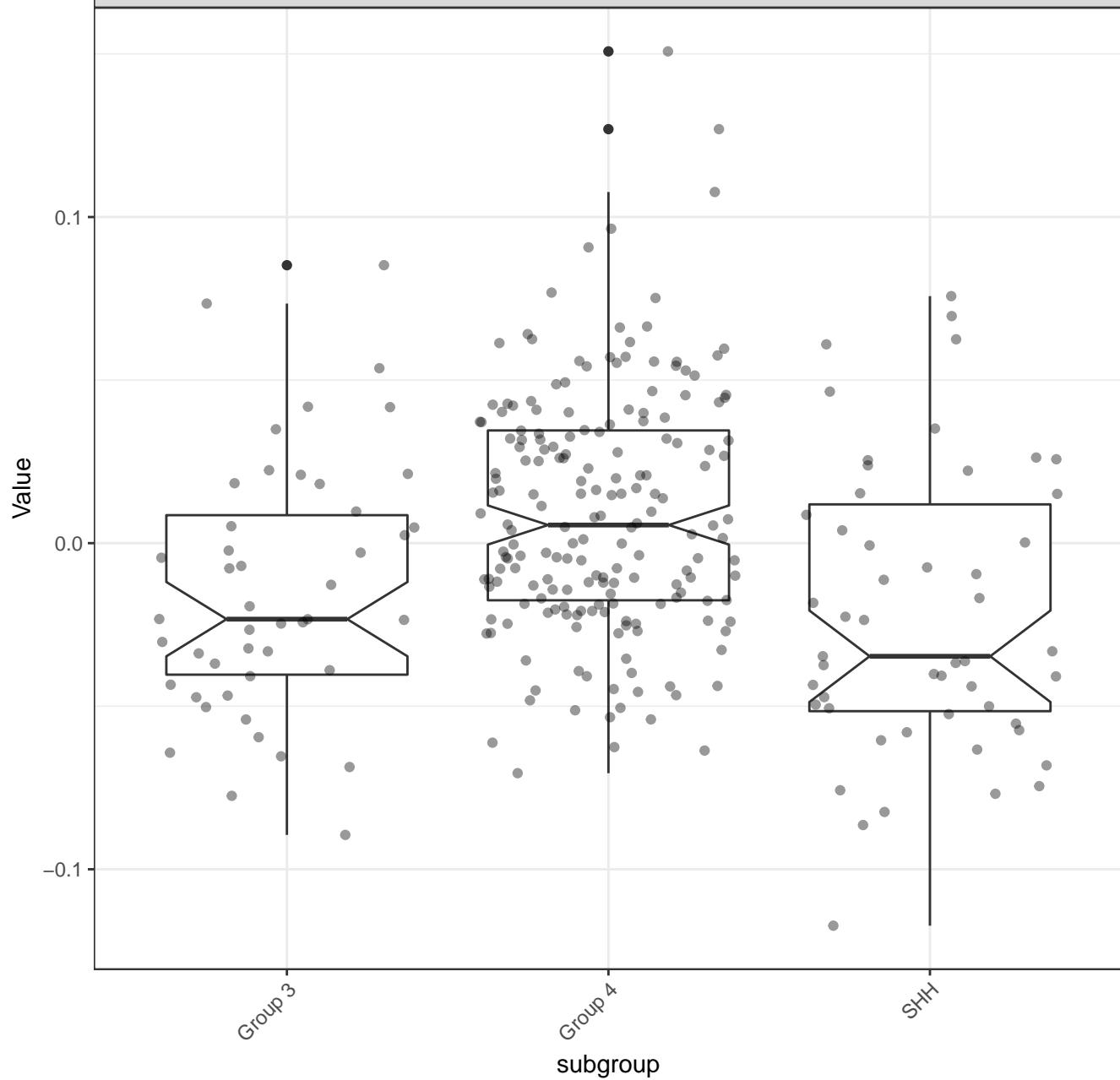
LV 897



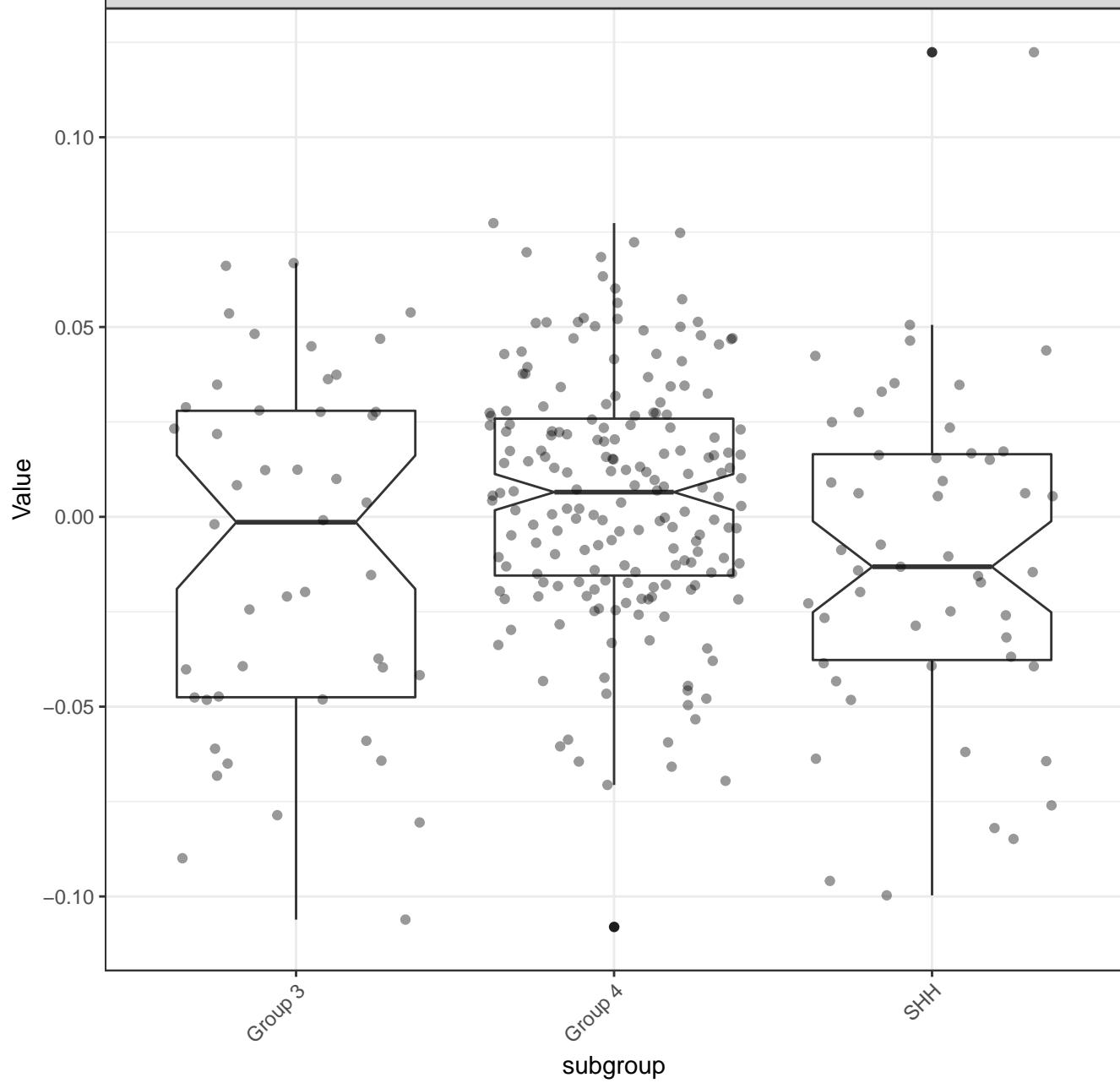
898,IRIS_Bcell-Memory_IgG_IgA



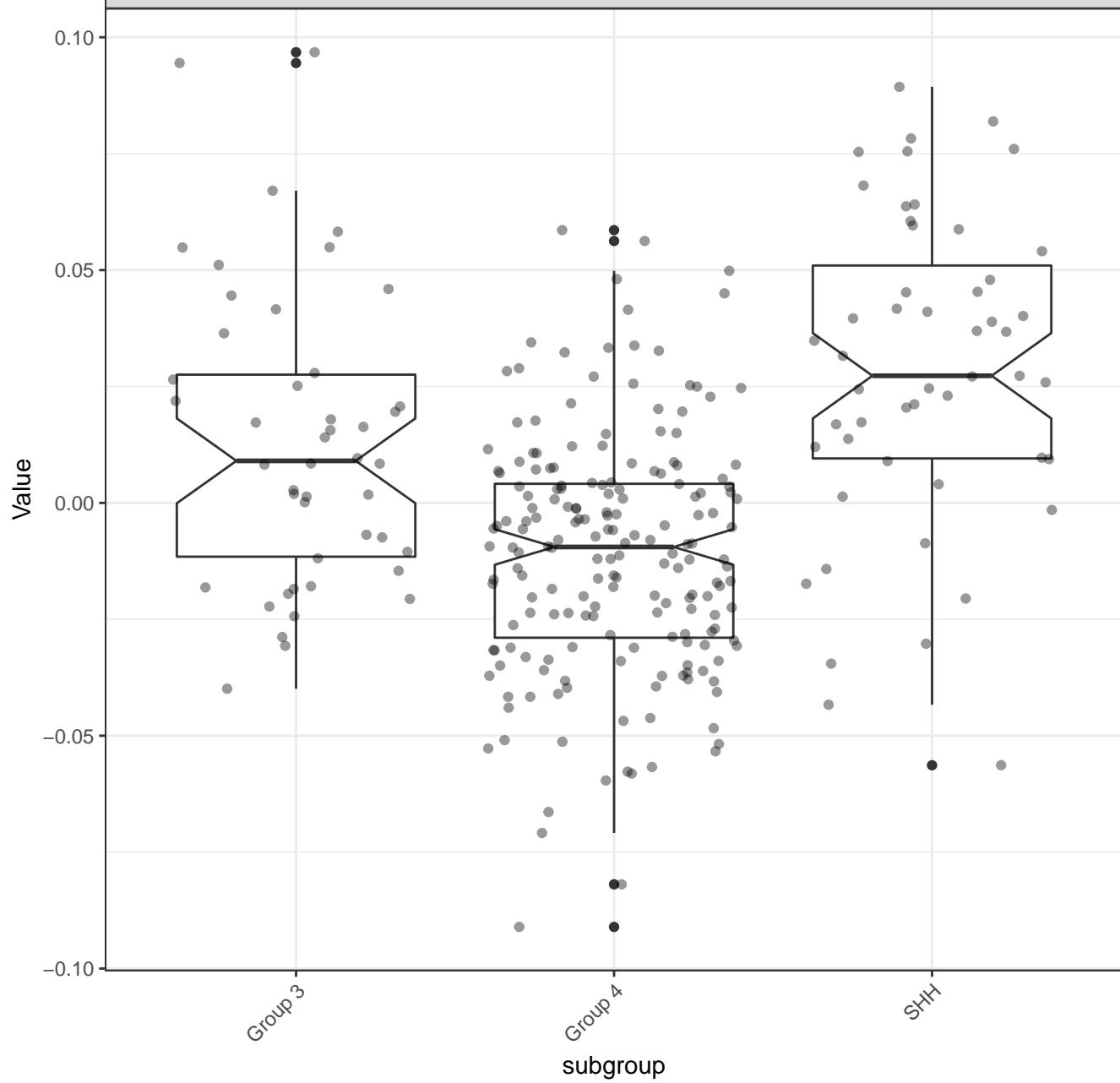
LV 899



LV 900



LV 901



902,DMAP_PRE_BCELL3

Value

0.10

0.05

0.00

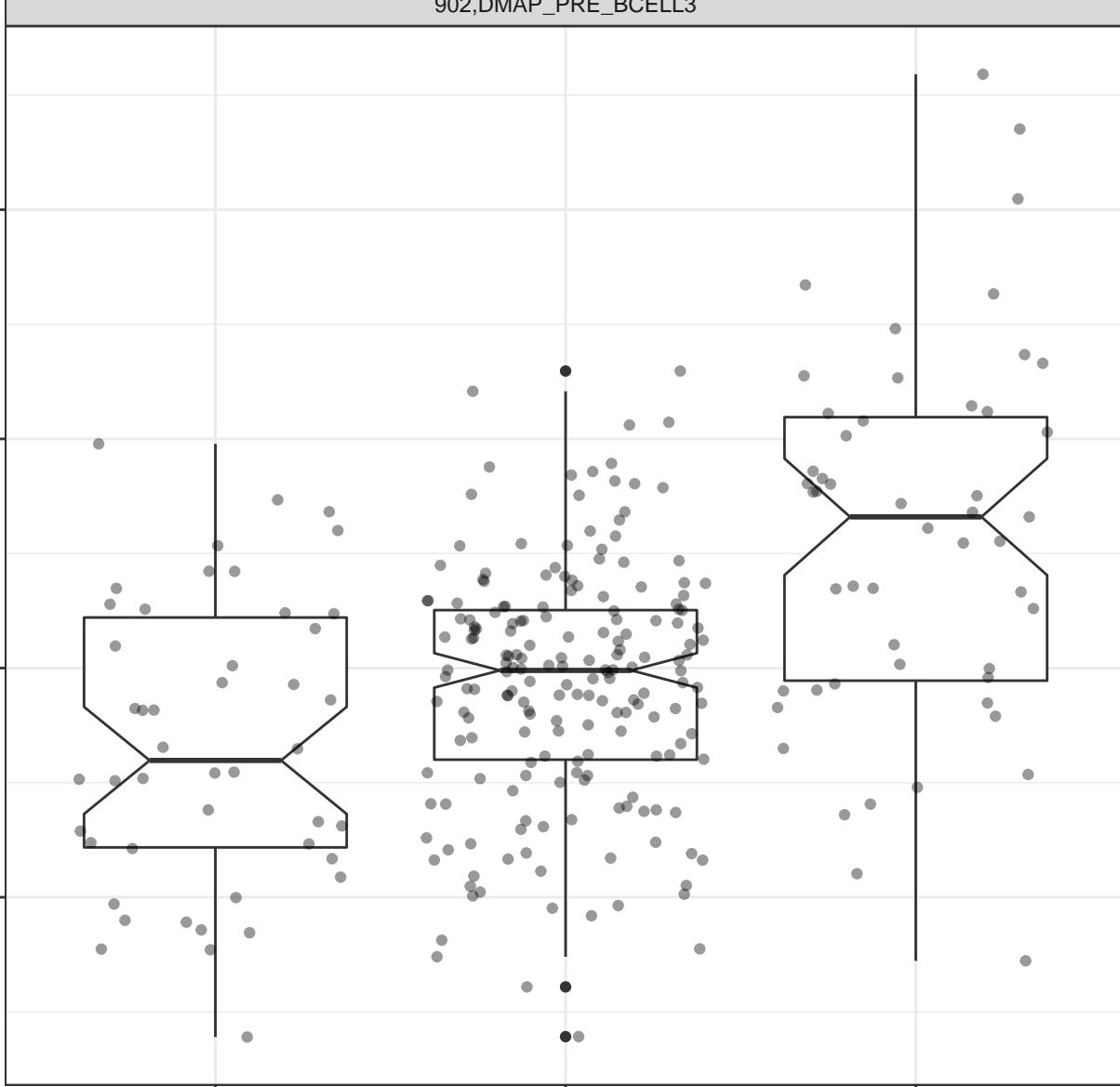
-0.05

Group 3

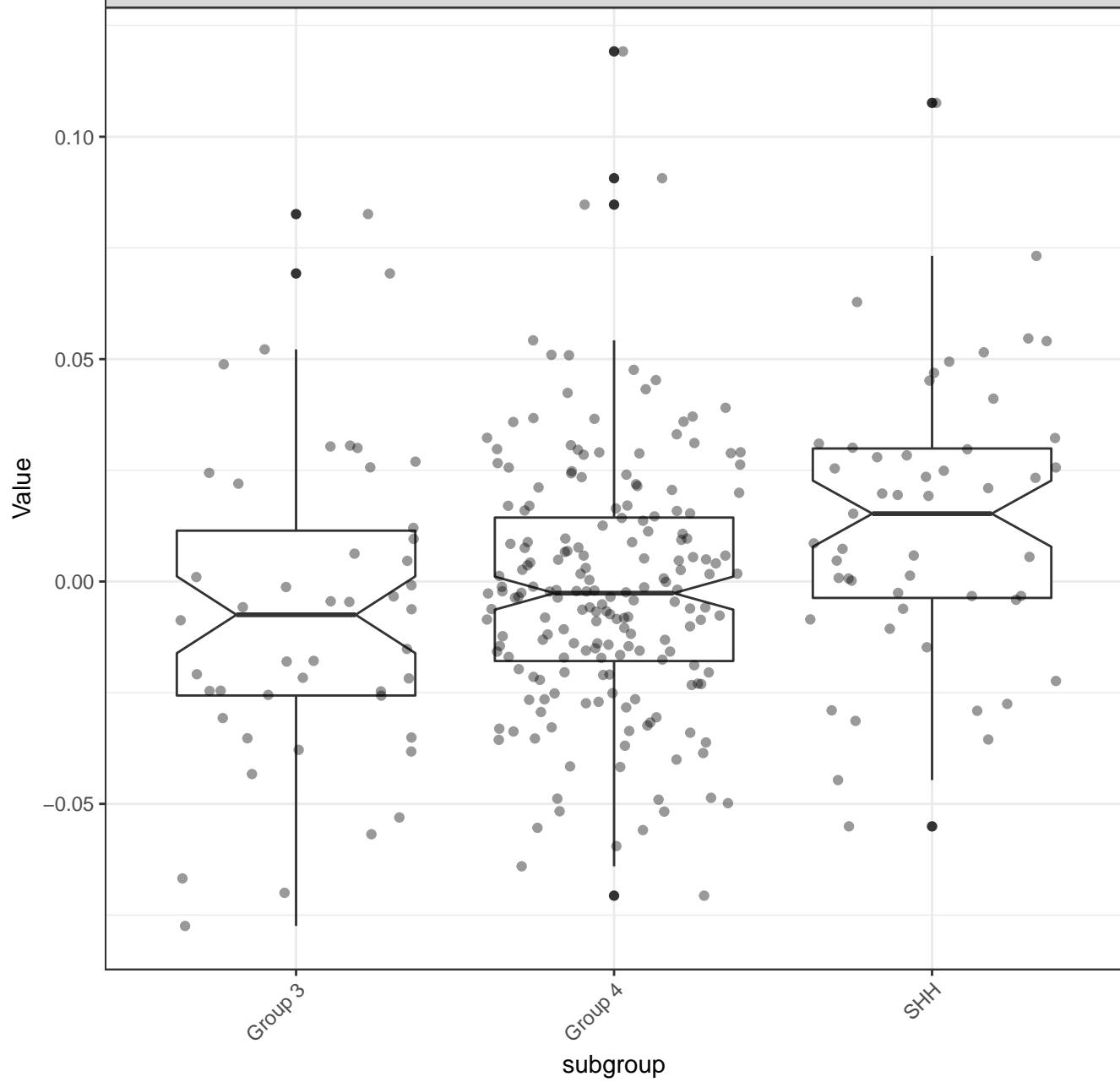
subgroup

Group 4

SHH



LV 903



LV 904

Value

0.3

0.2

0.1

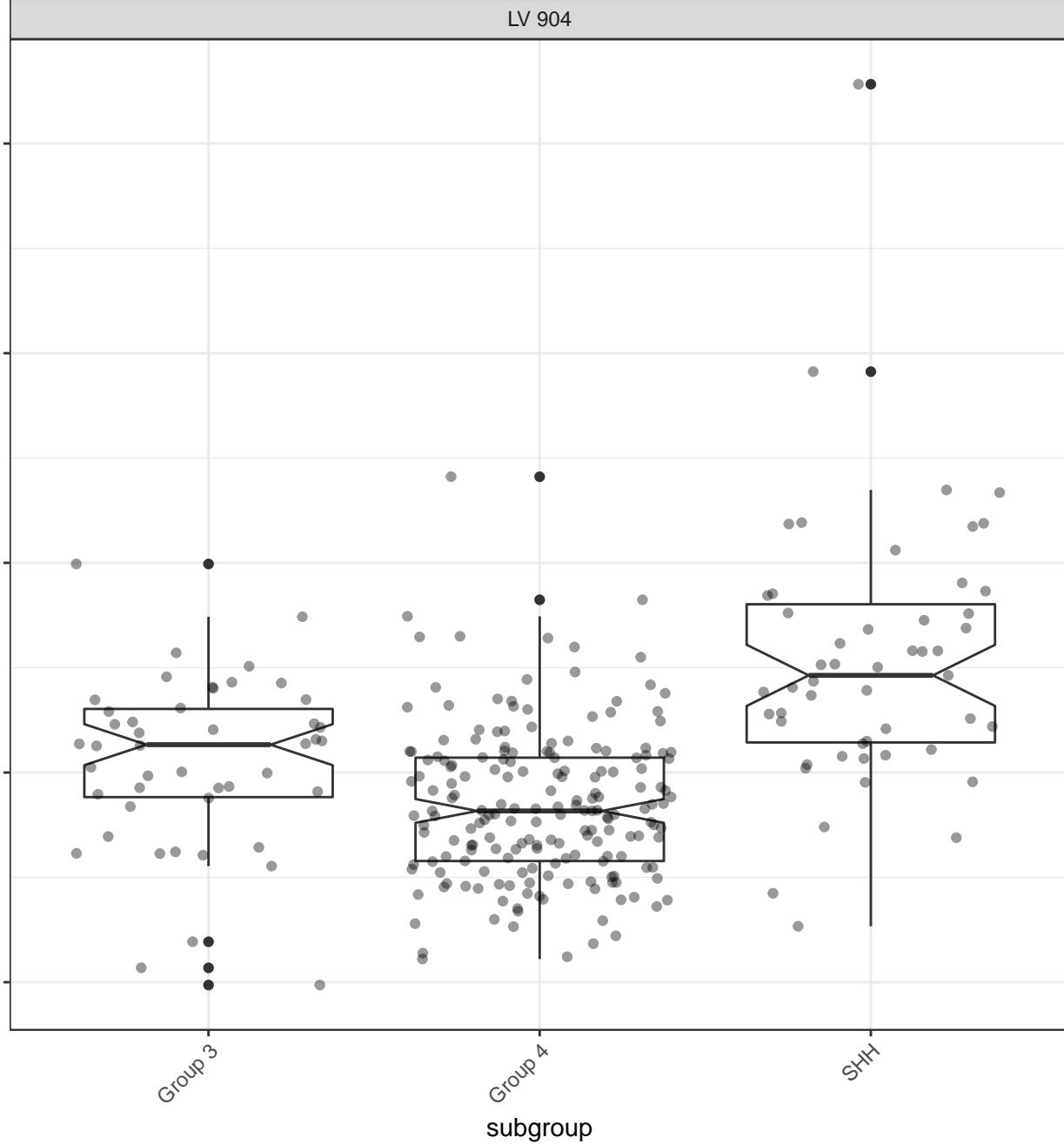
0.0

-0.1

Group³Group⁴

SHH

subgroup



905,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX

Vvalue

0.3

0.2

0.1

0.0

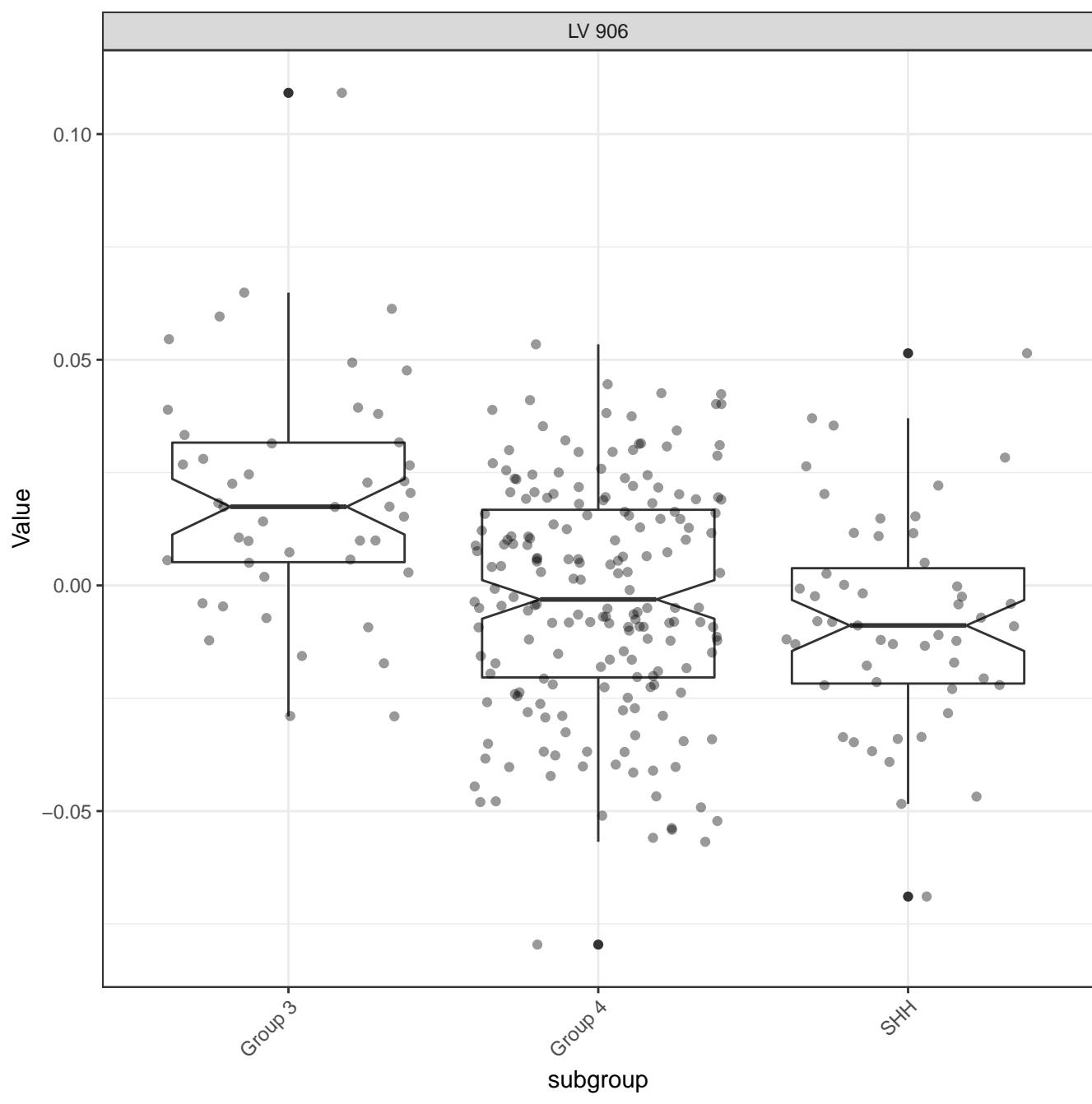
-0.1

Group 3

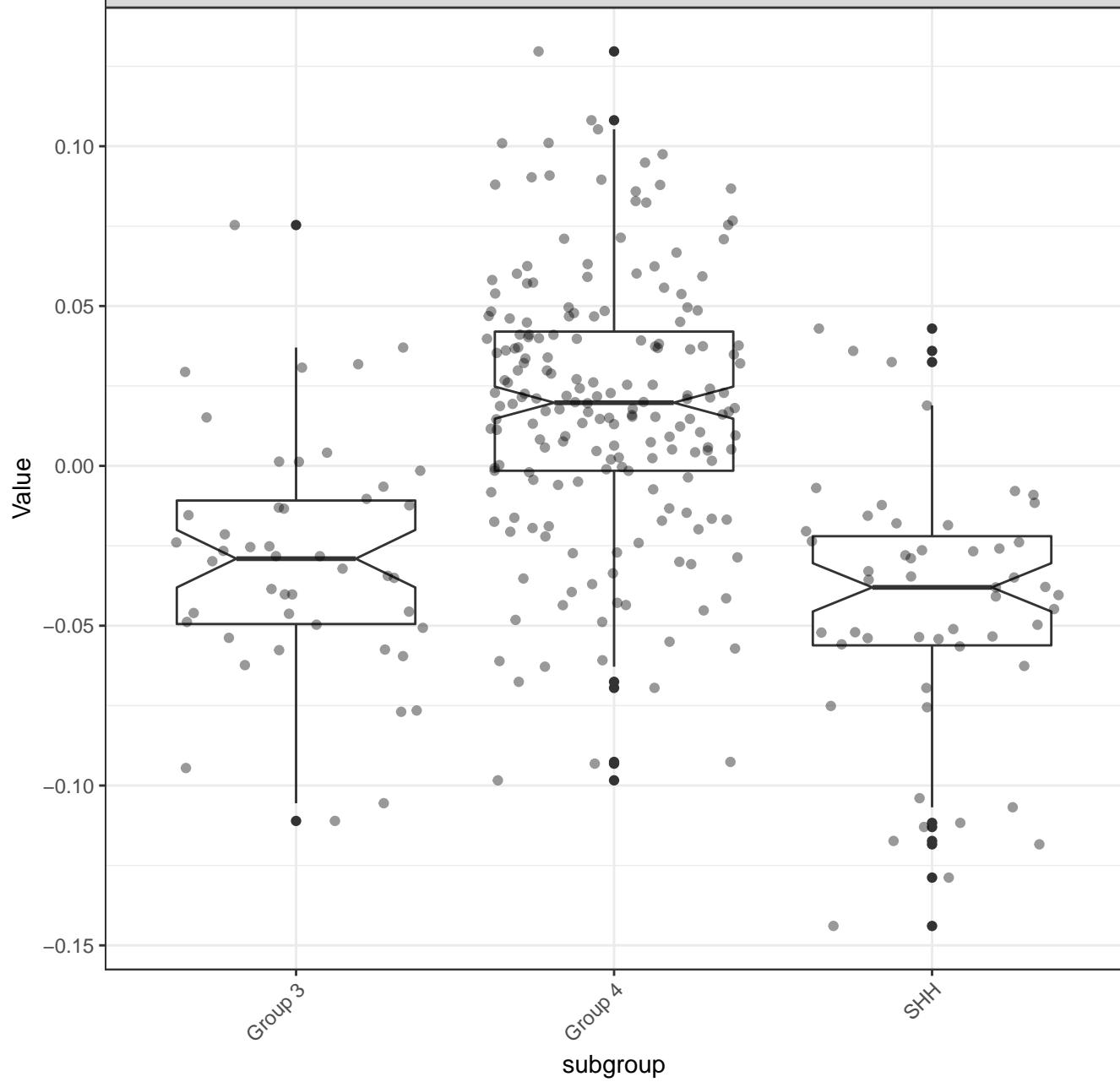
subgroup

SHH





LV 907



LV 908

Value

0.10

0.05

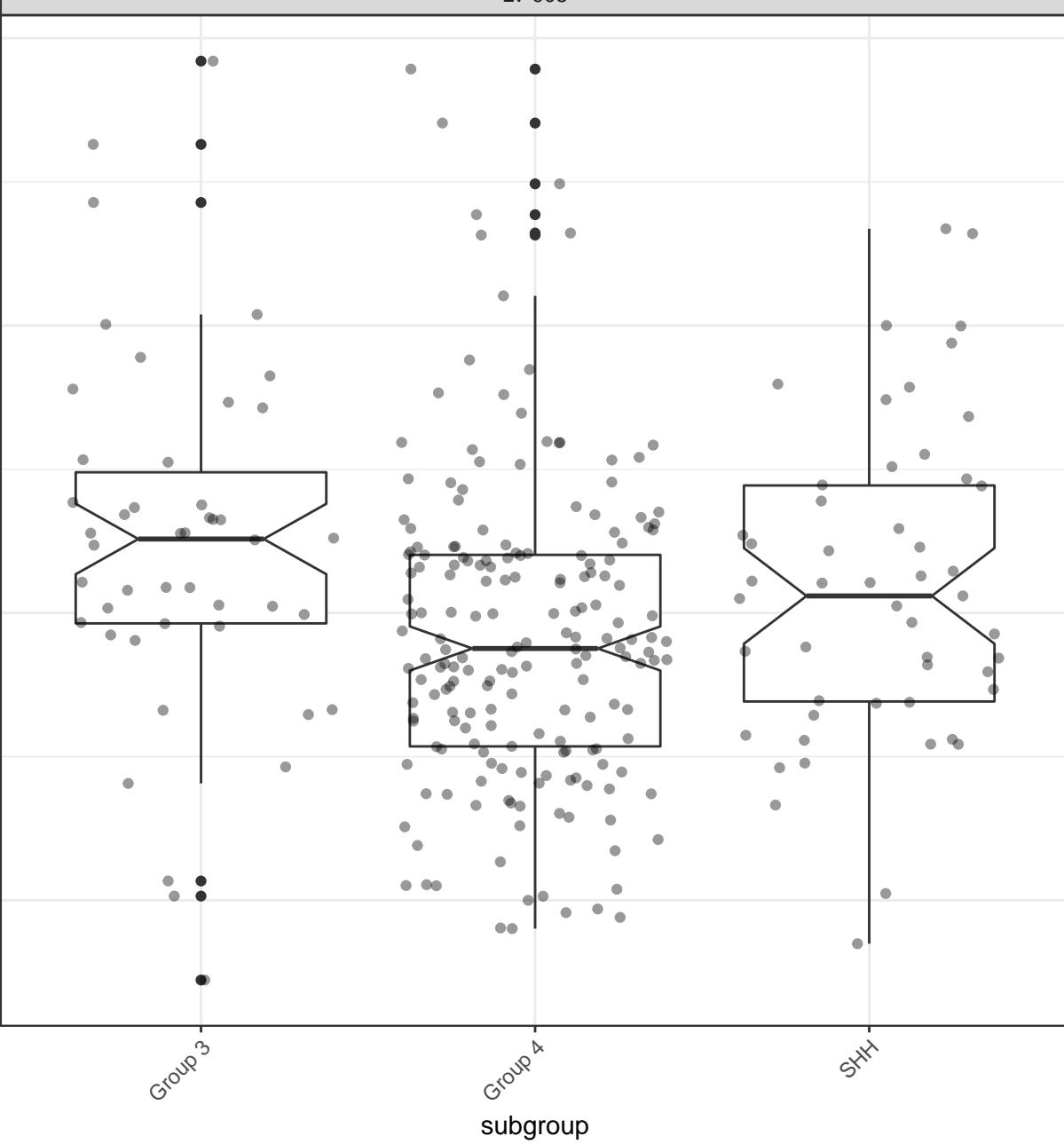
0.00

-0.05

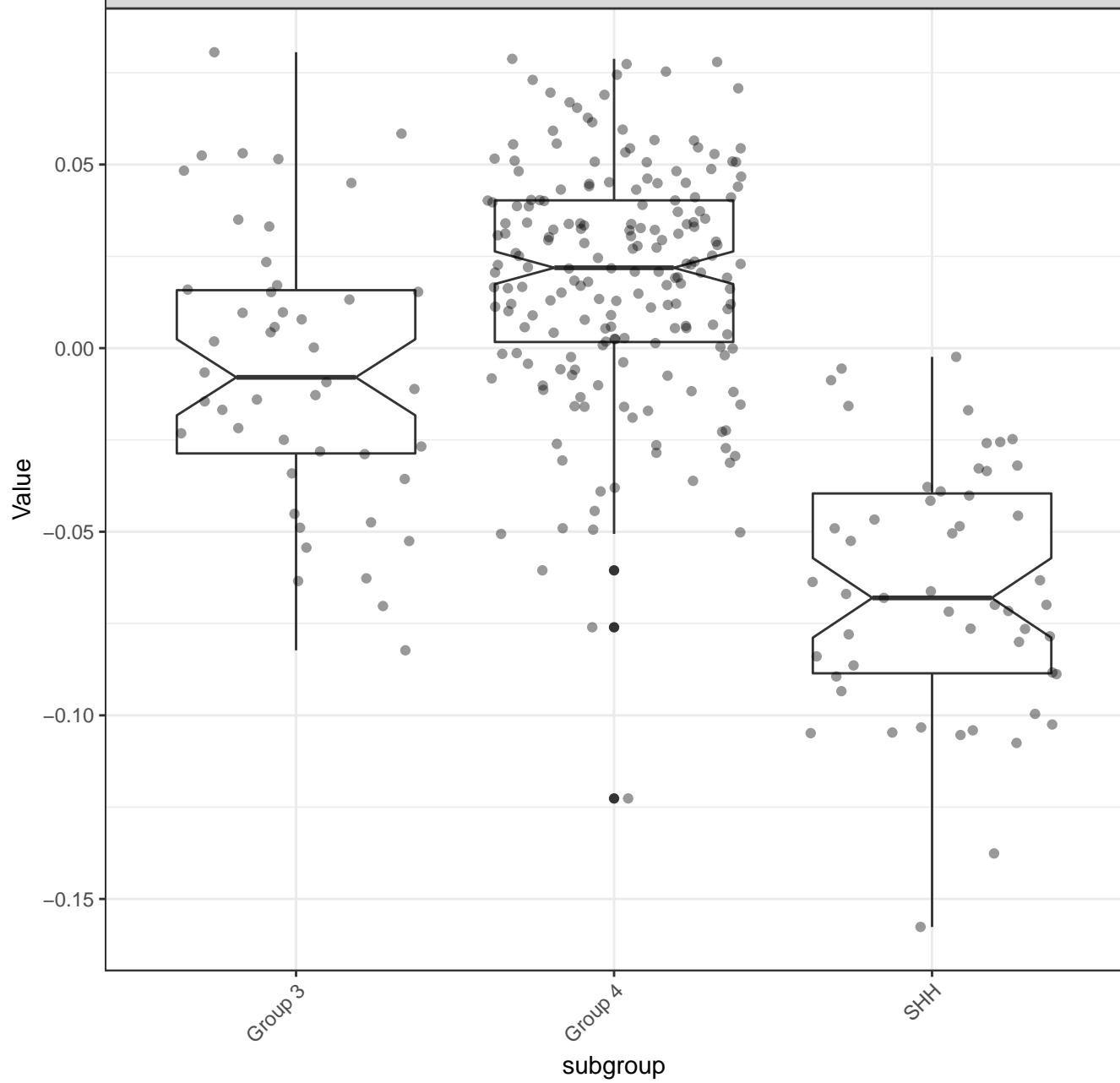
Group 3

subgroup

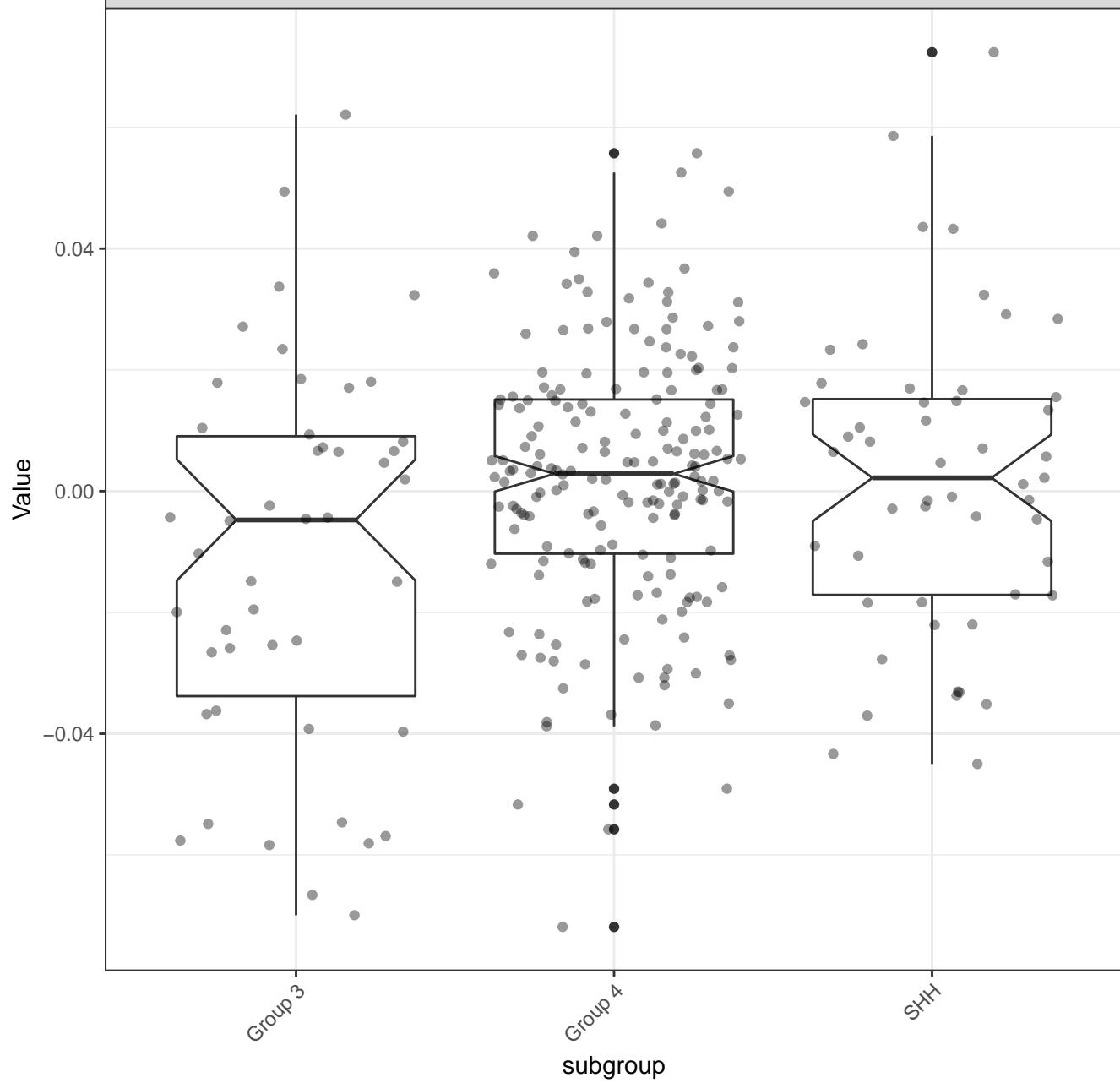
SHH



LV 909

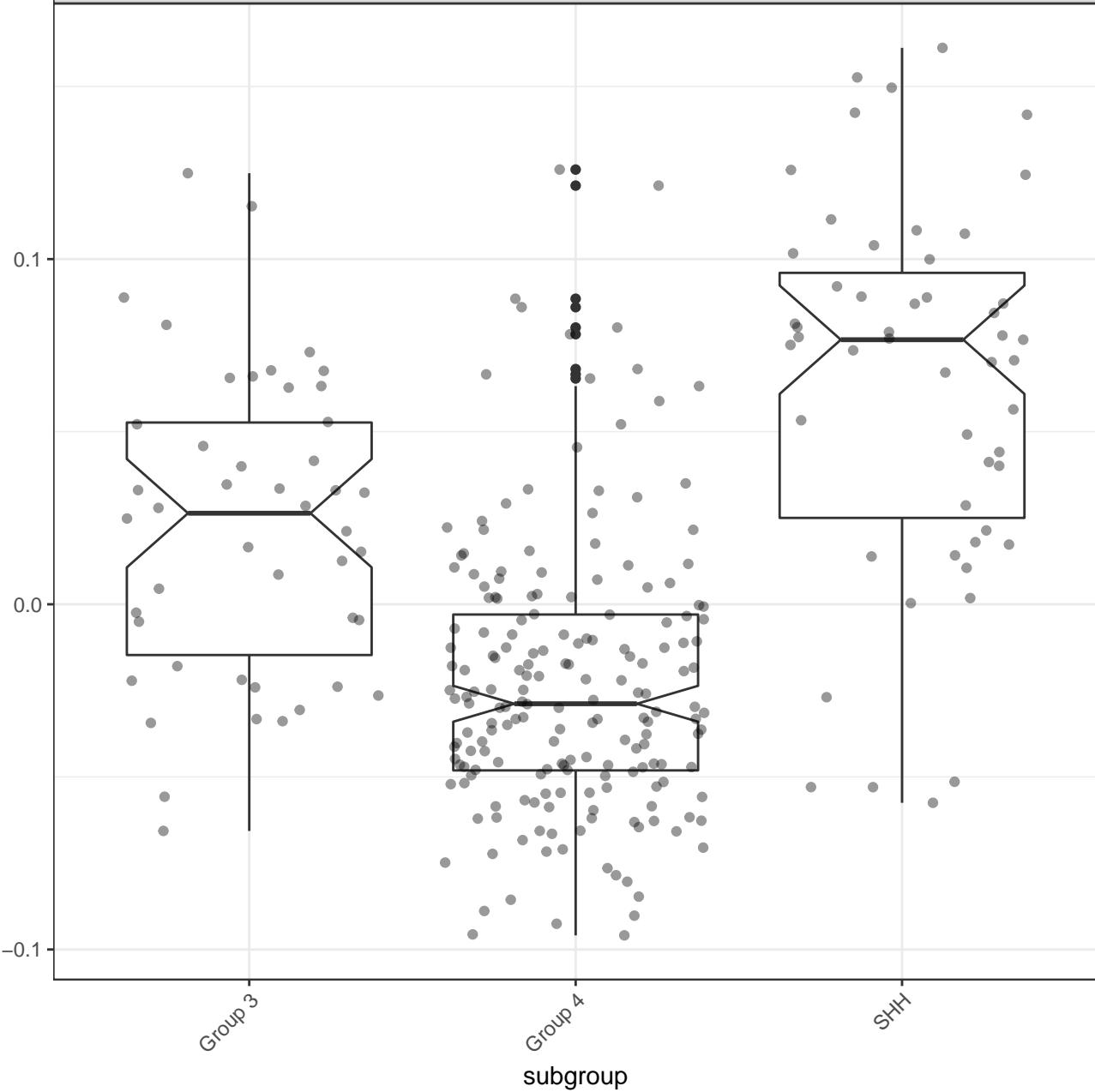


LV 910



LV 911

Value



LV 912

Value

0.10

0.05

0.00

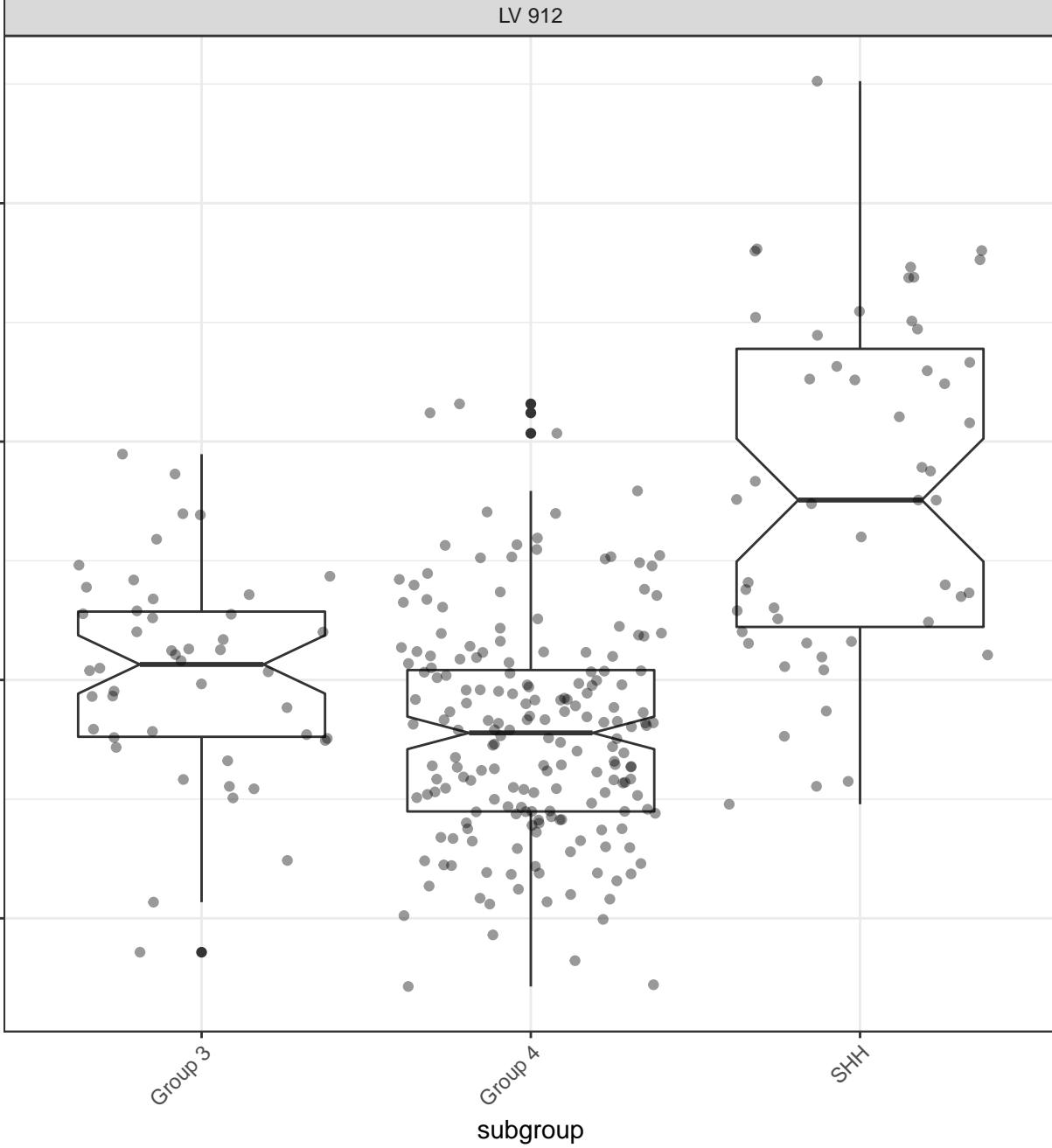
-0.05

Group 3

Group 4

SHH

subgroup



LV 913

Value

0.10

0.05

0.00

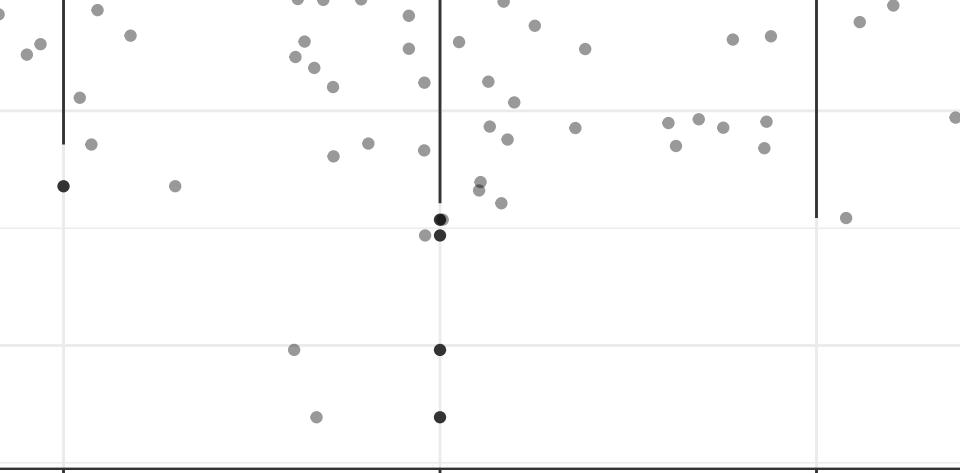
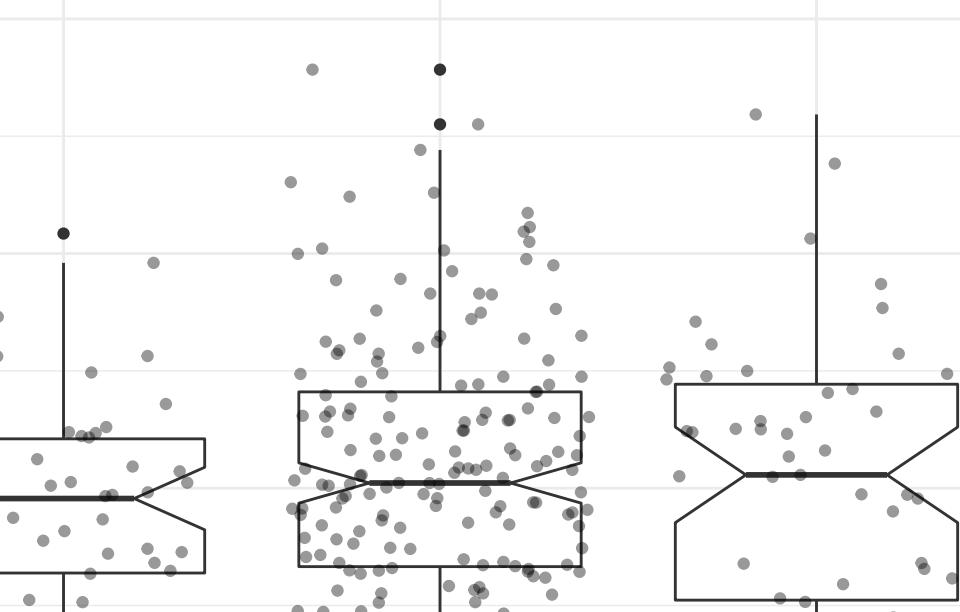
-0.05

-0.10

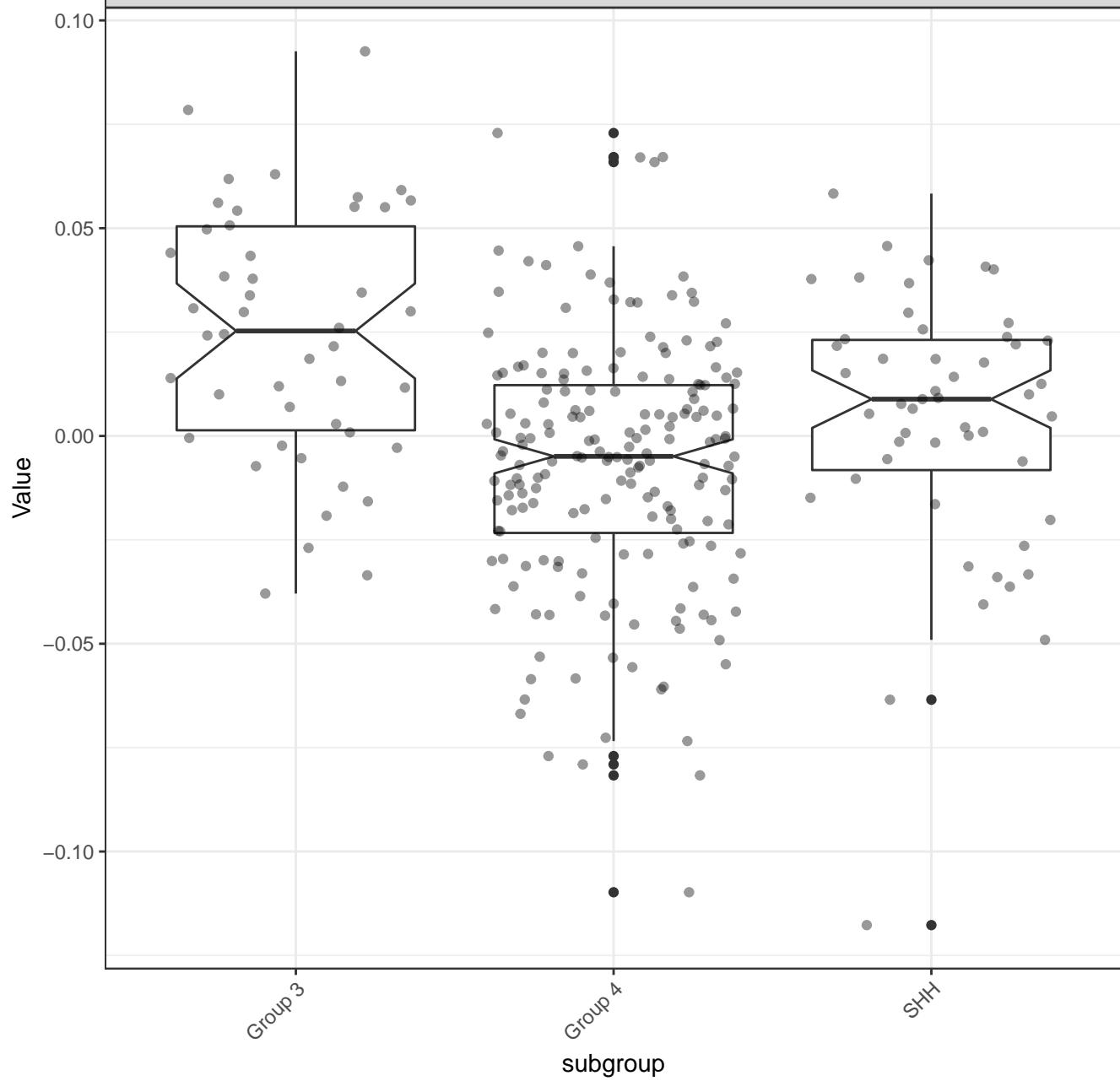
Group 3

subgroup

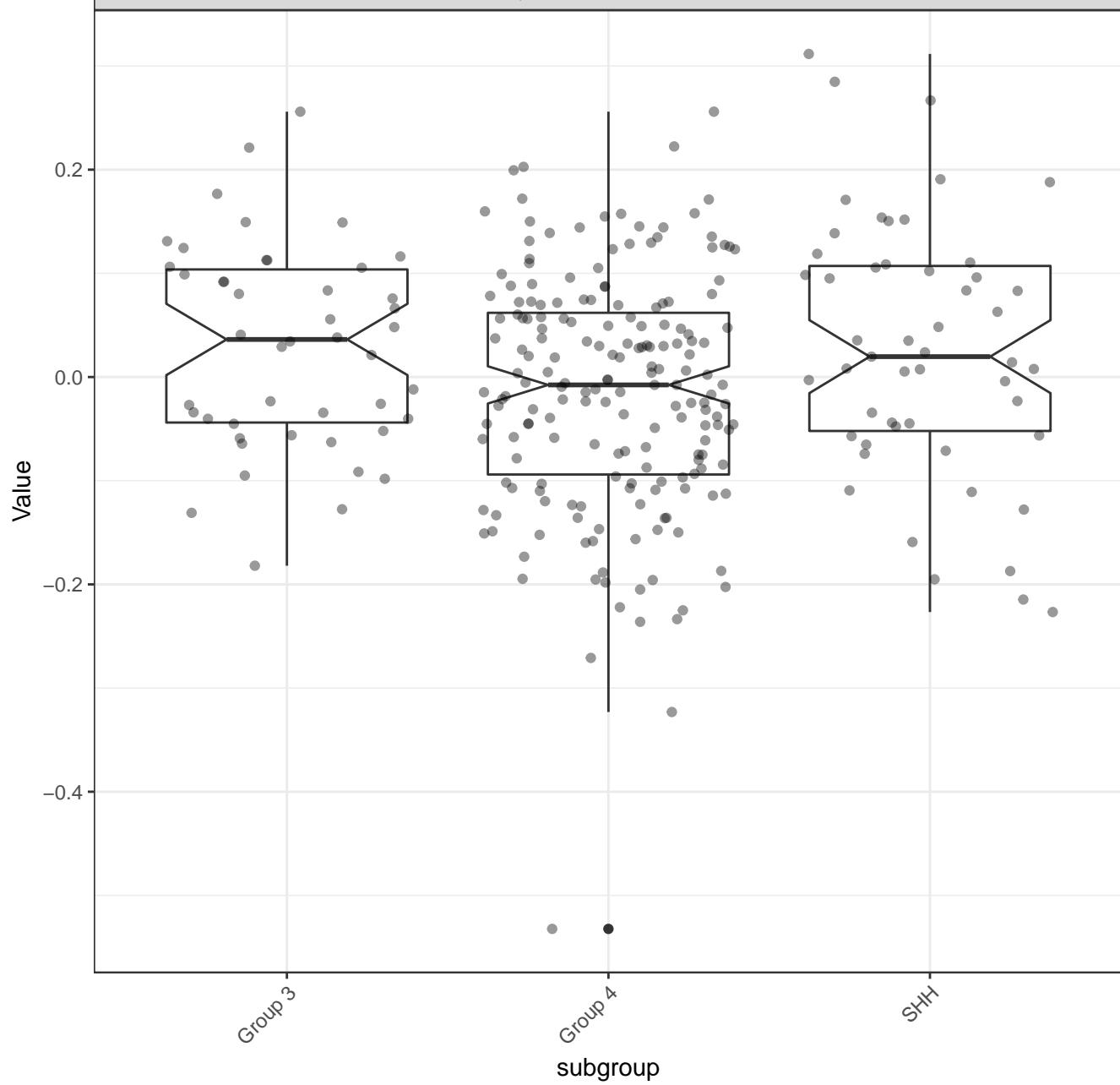
SHH



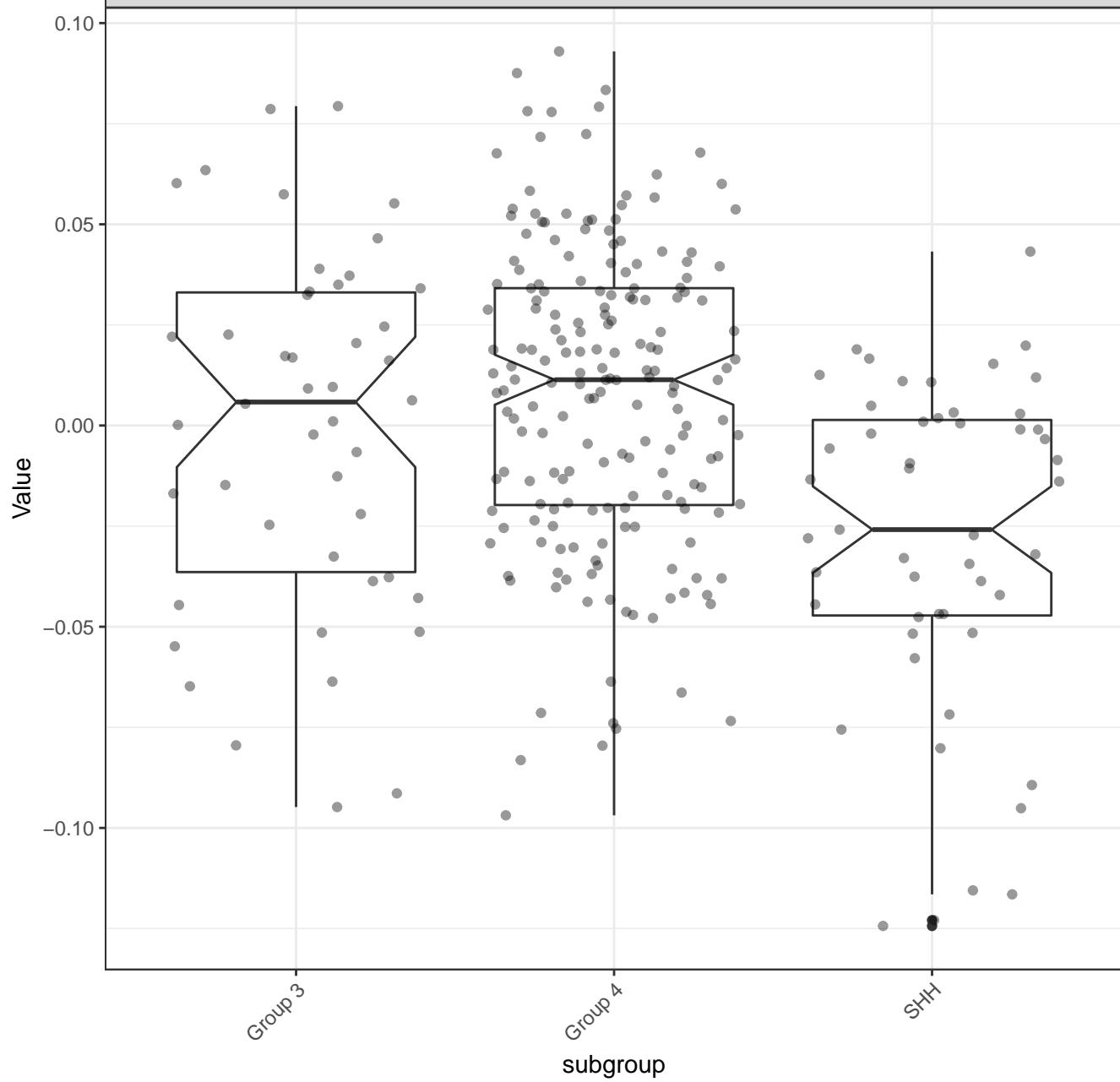
LV 914



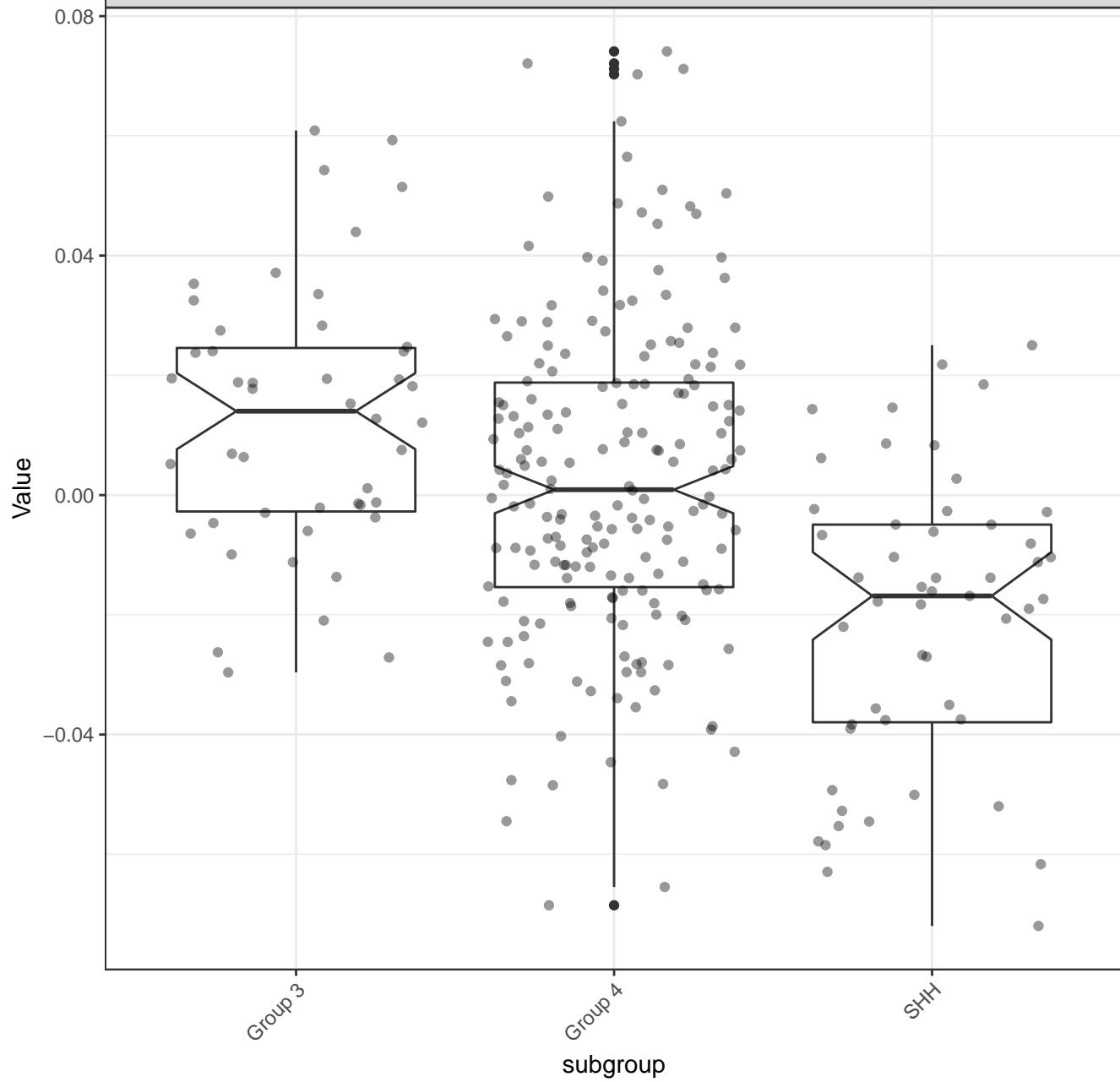
915,MIPS_SPLICEOSOME



LV 916



LV 917



LV 918

Value

0.10

0.05

0.00

-0.05

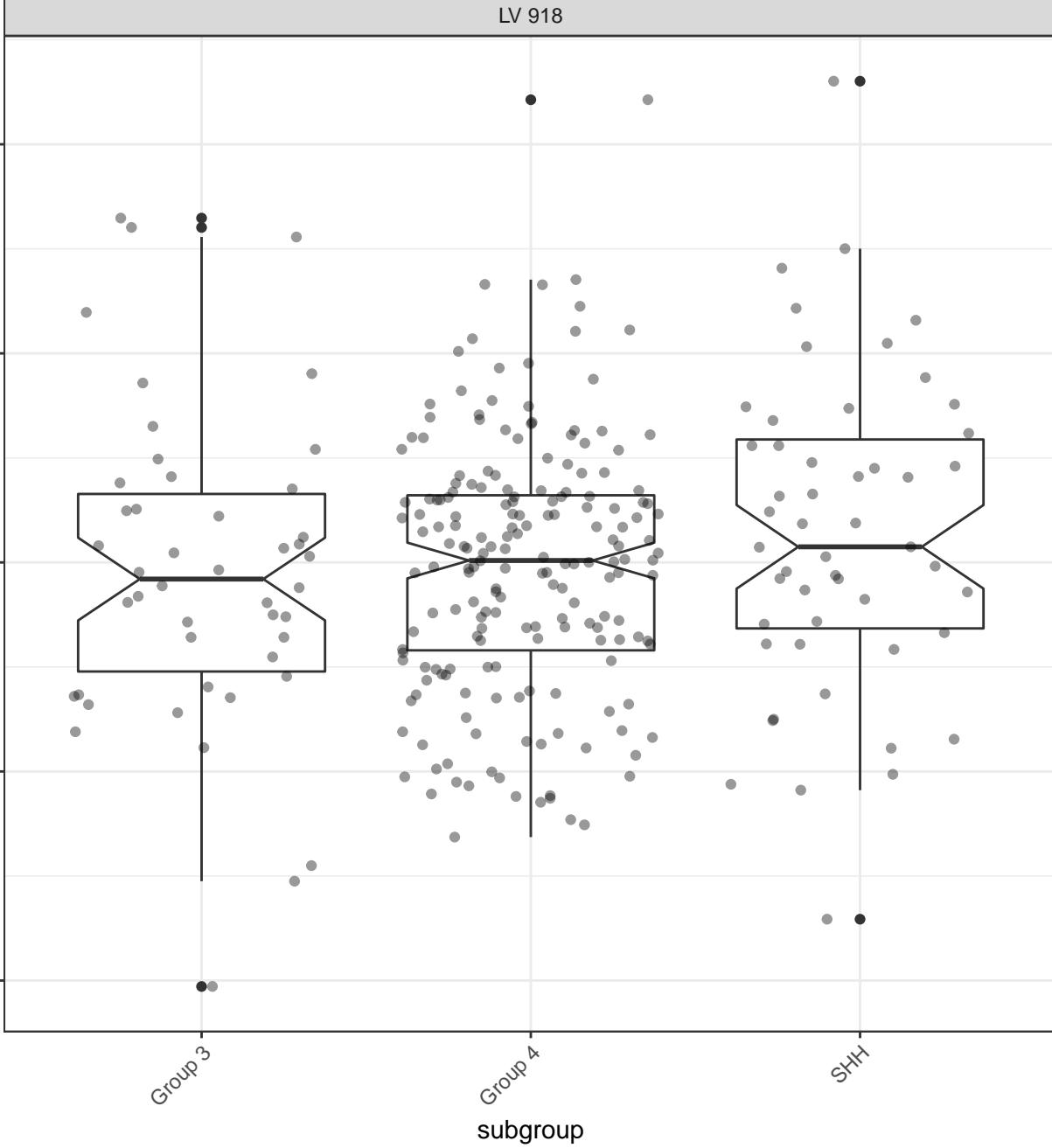
-0.10

Group 3

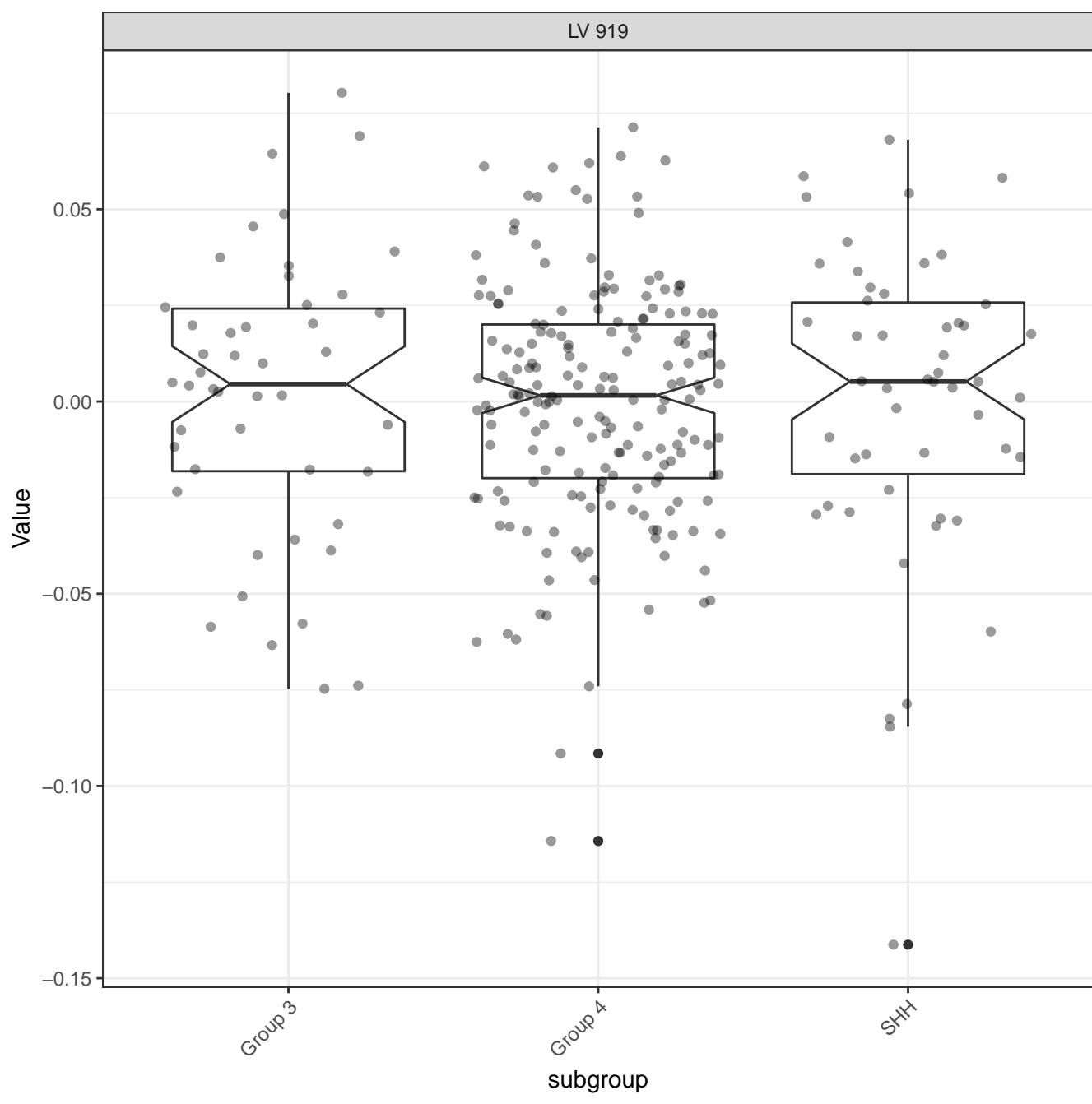
Group 4

SHH

subgroup



LV 919



LV 920

Value

0.1

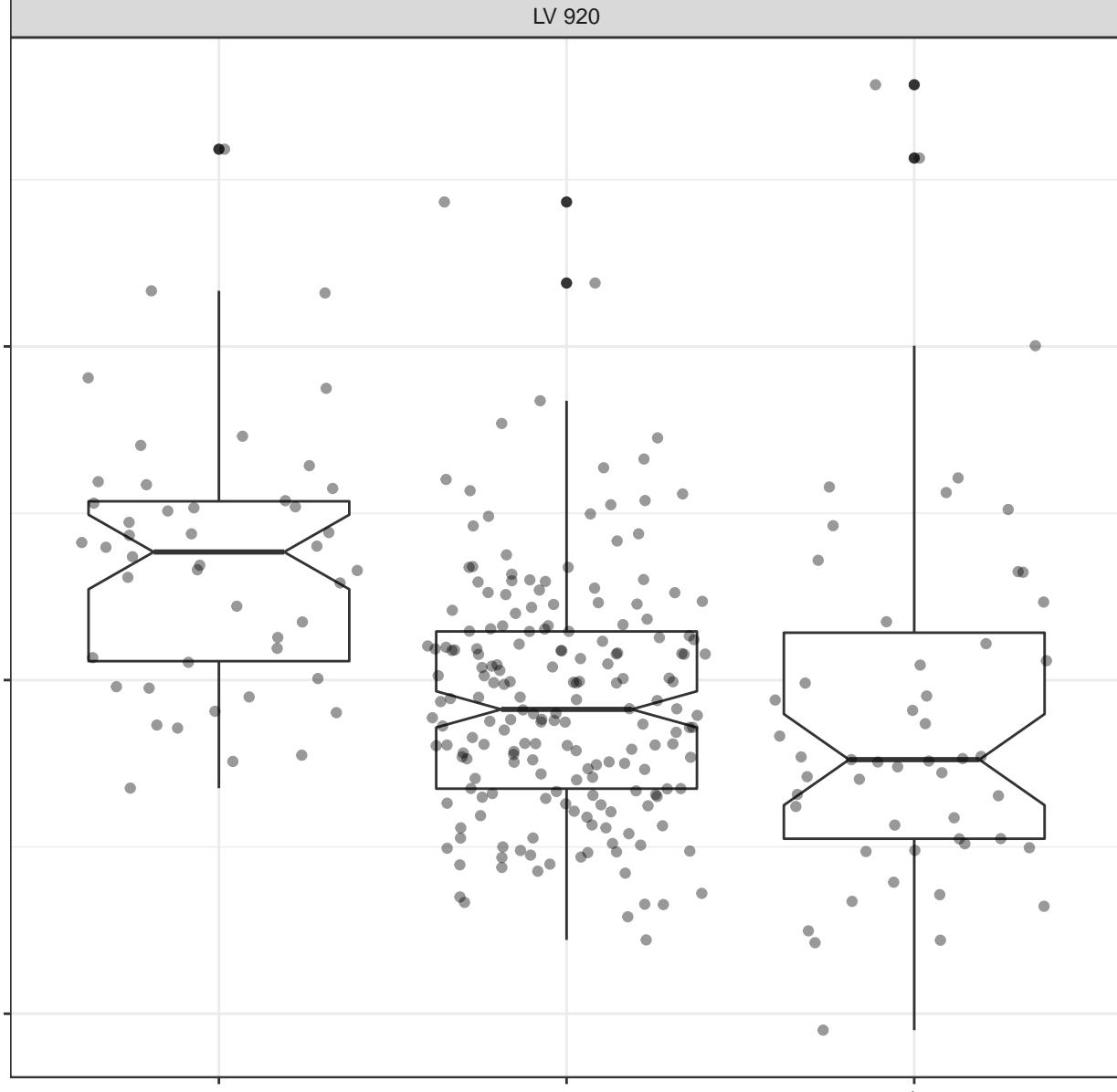
0.0

-0.1

Group³Group⁴

SHH

subgroup



921,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX

Value

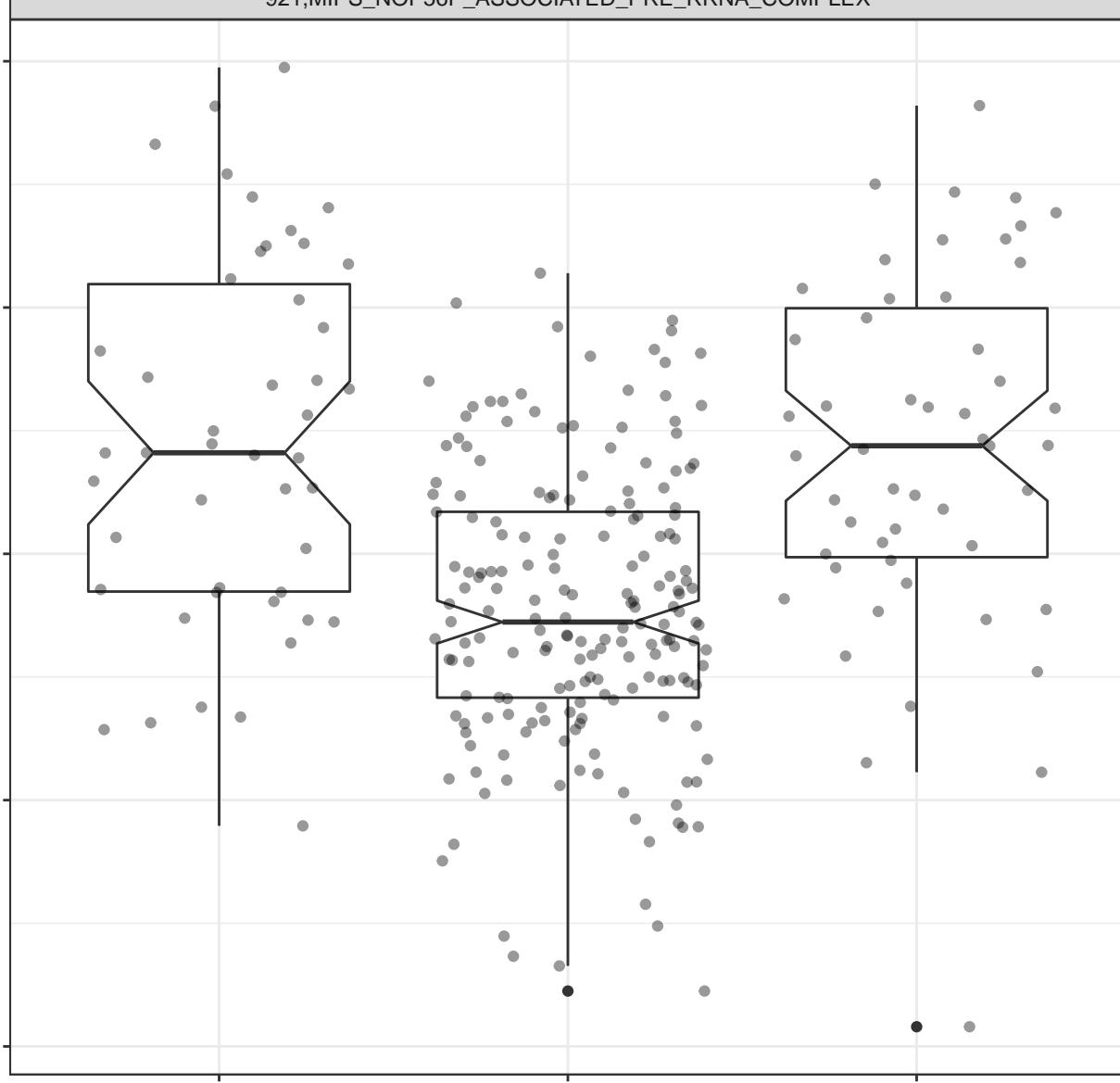
0.06
0.03
0.00
-0.03
-0.06

Group 3

subgroup

Group 4

SHH



LV 922

Value

0.10

0.05

0.00

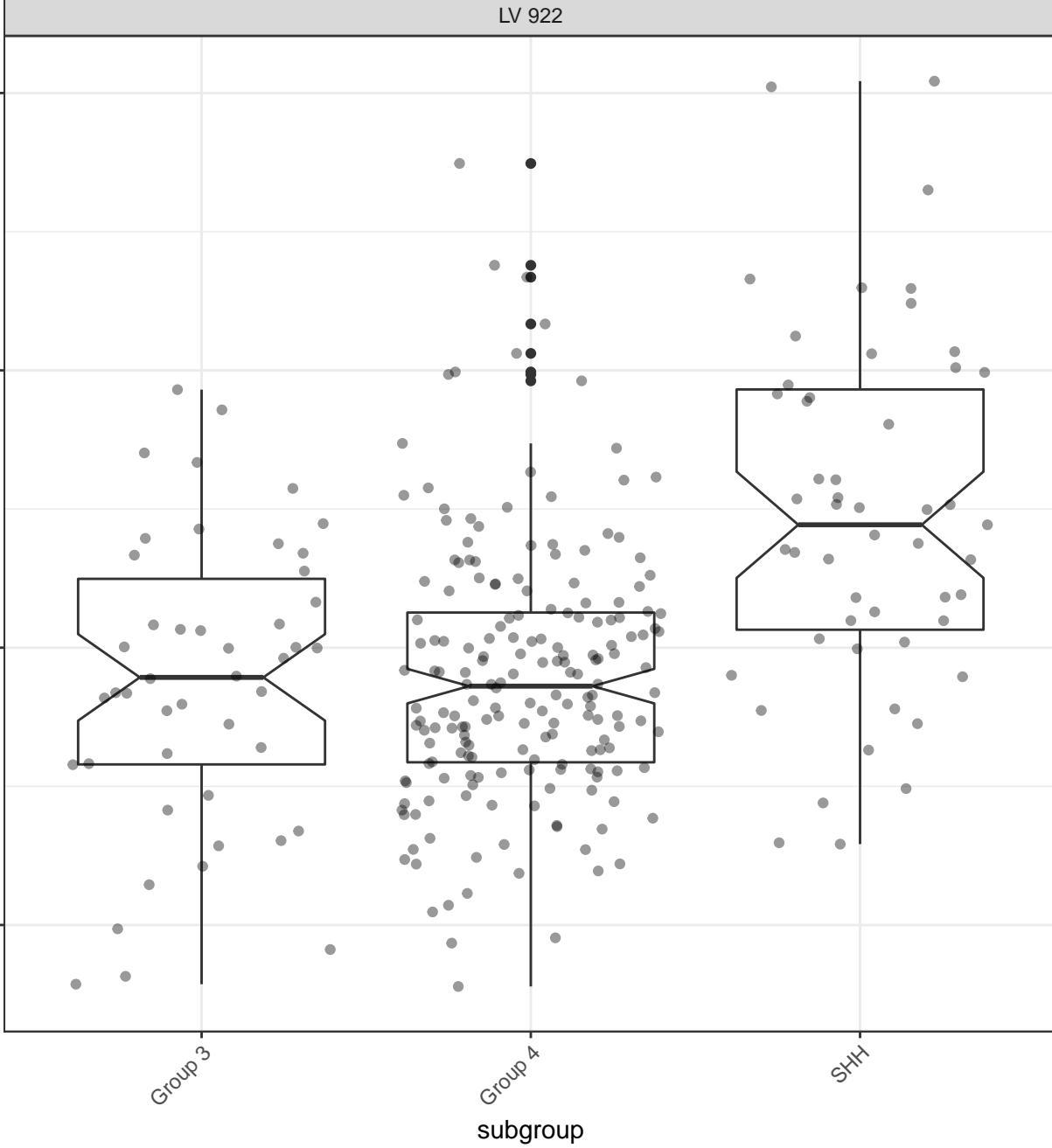
-0.05

Group 3

Group 4

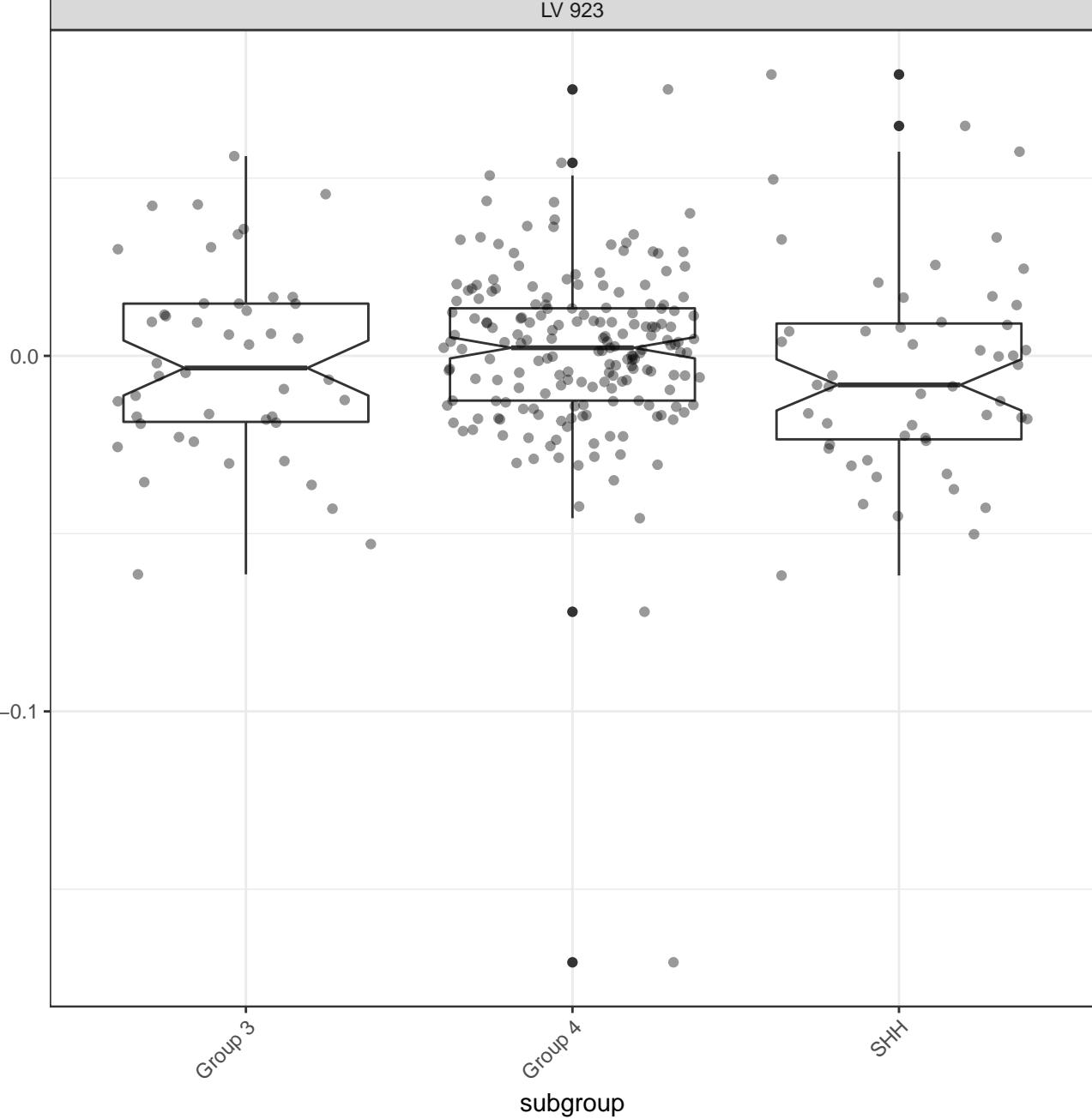
SHH

subgroup

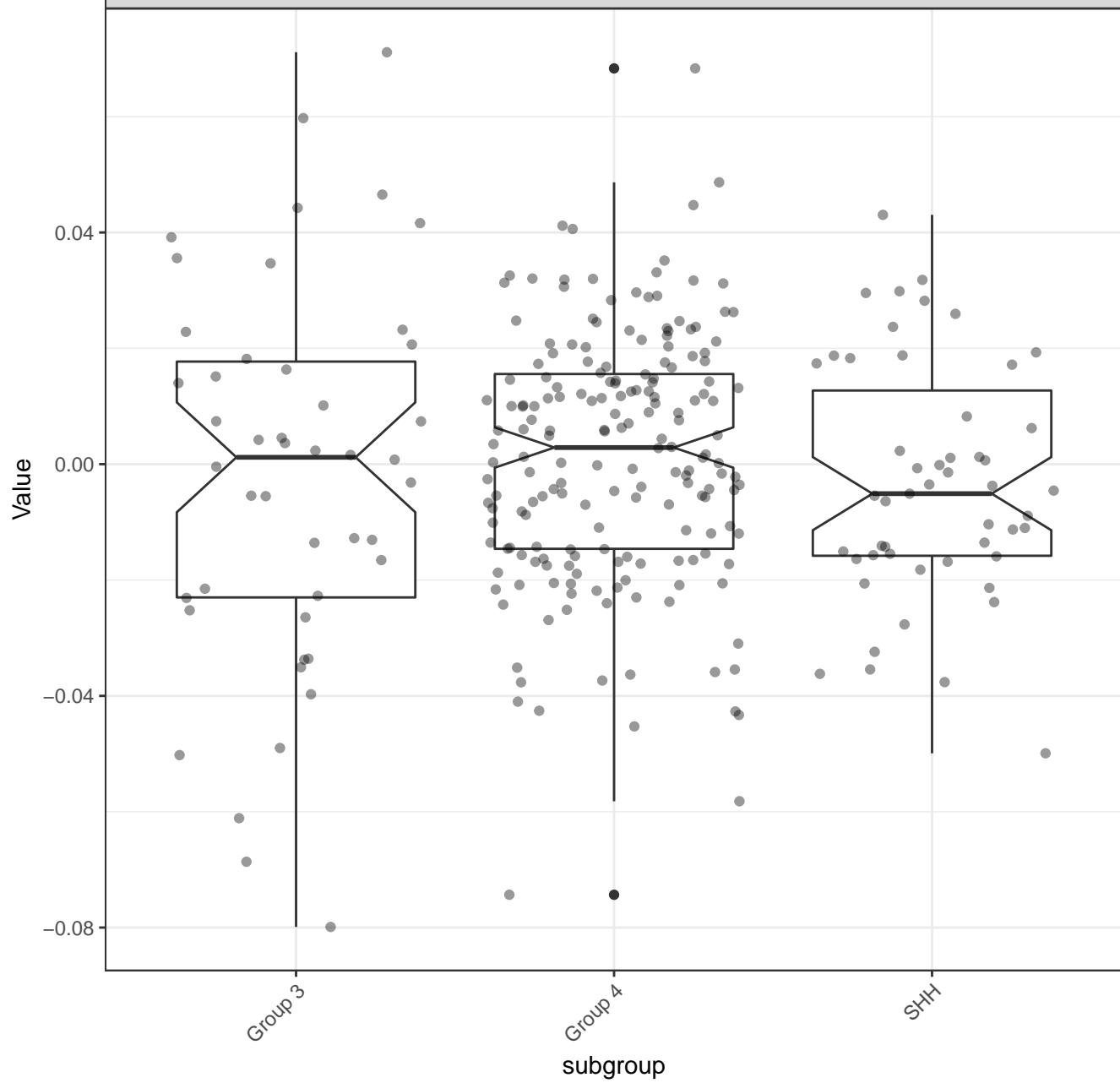


LV 923

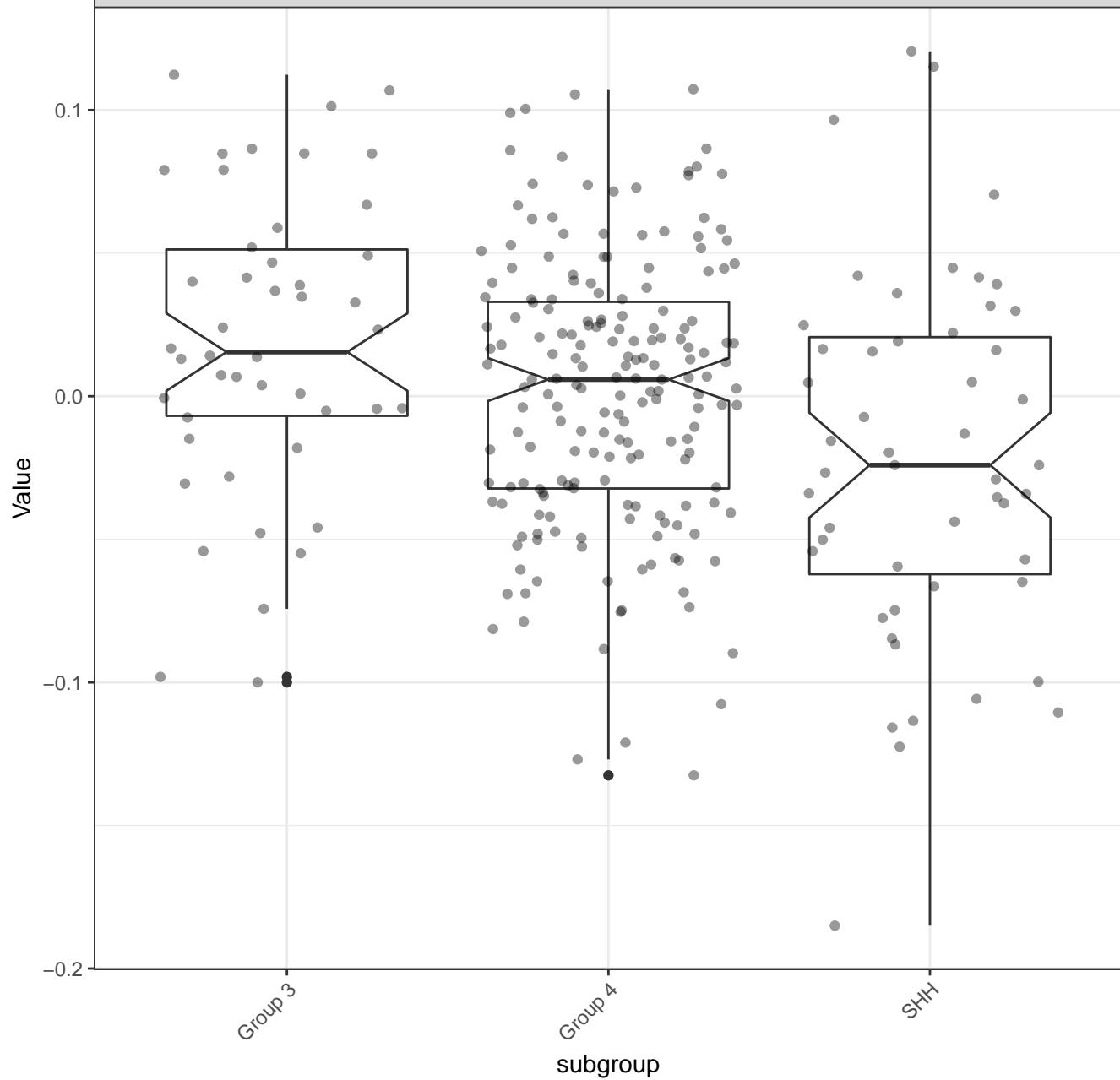
Value



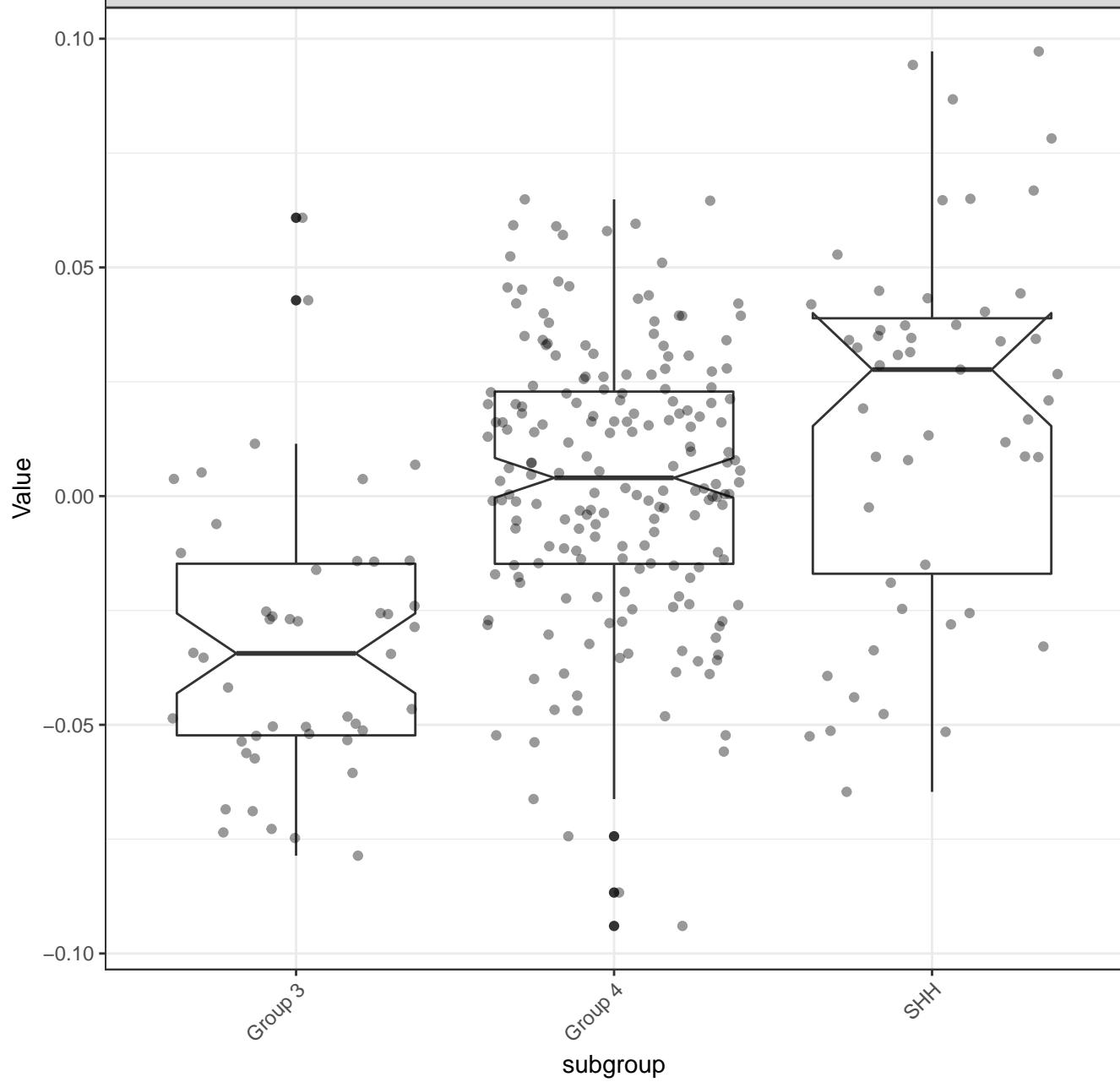
LV 924



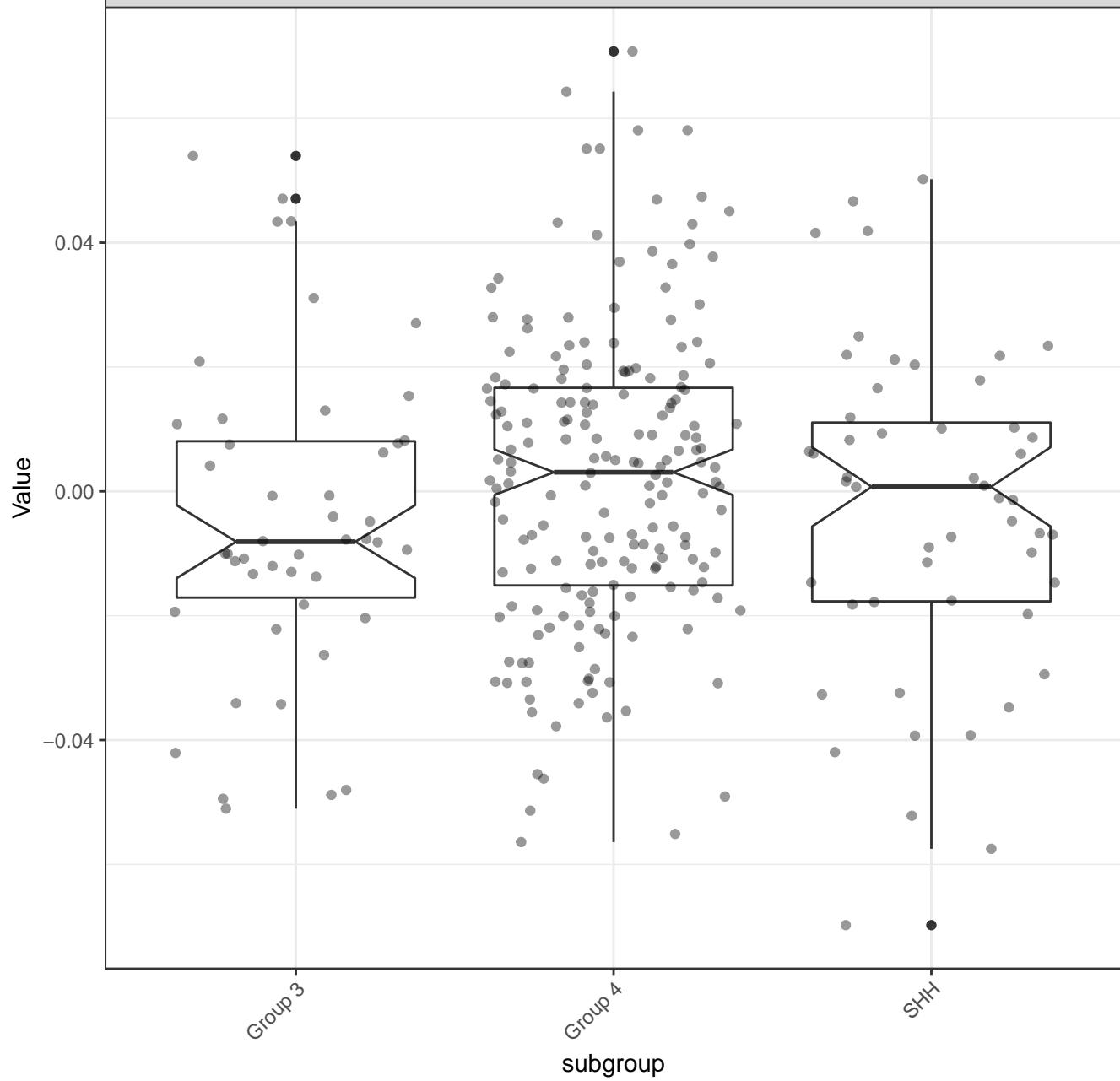
LV 925



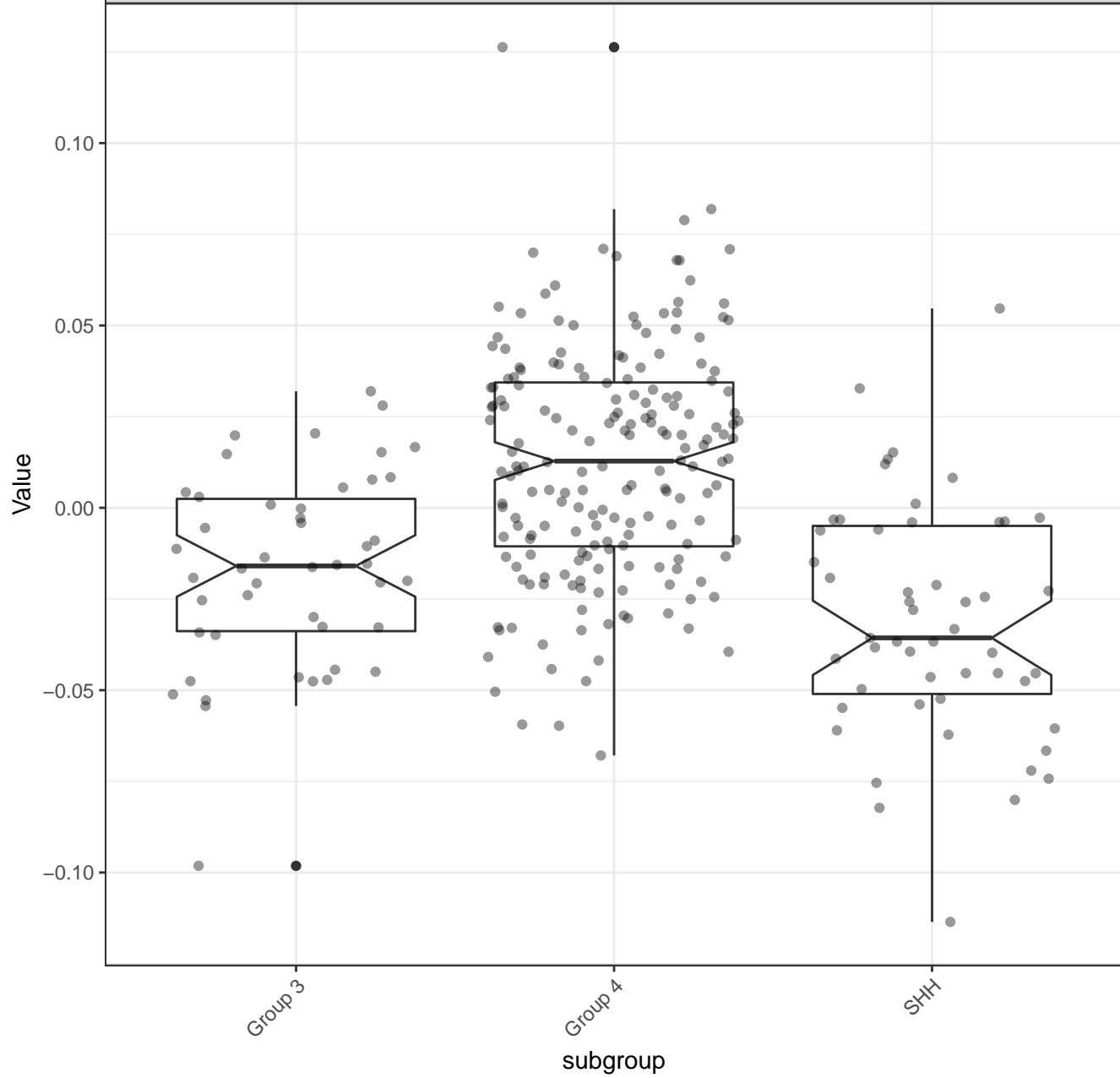
LV 926



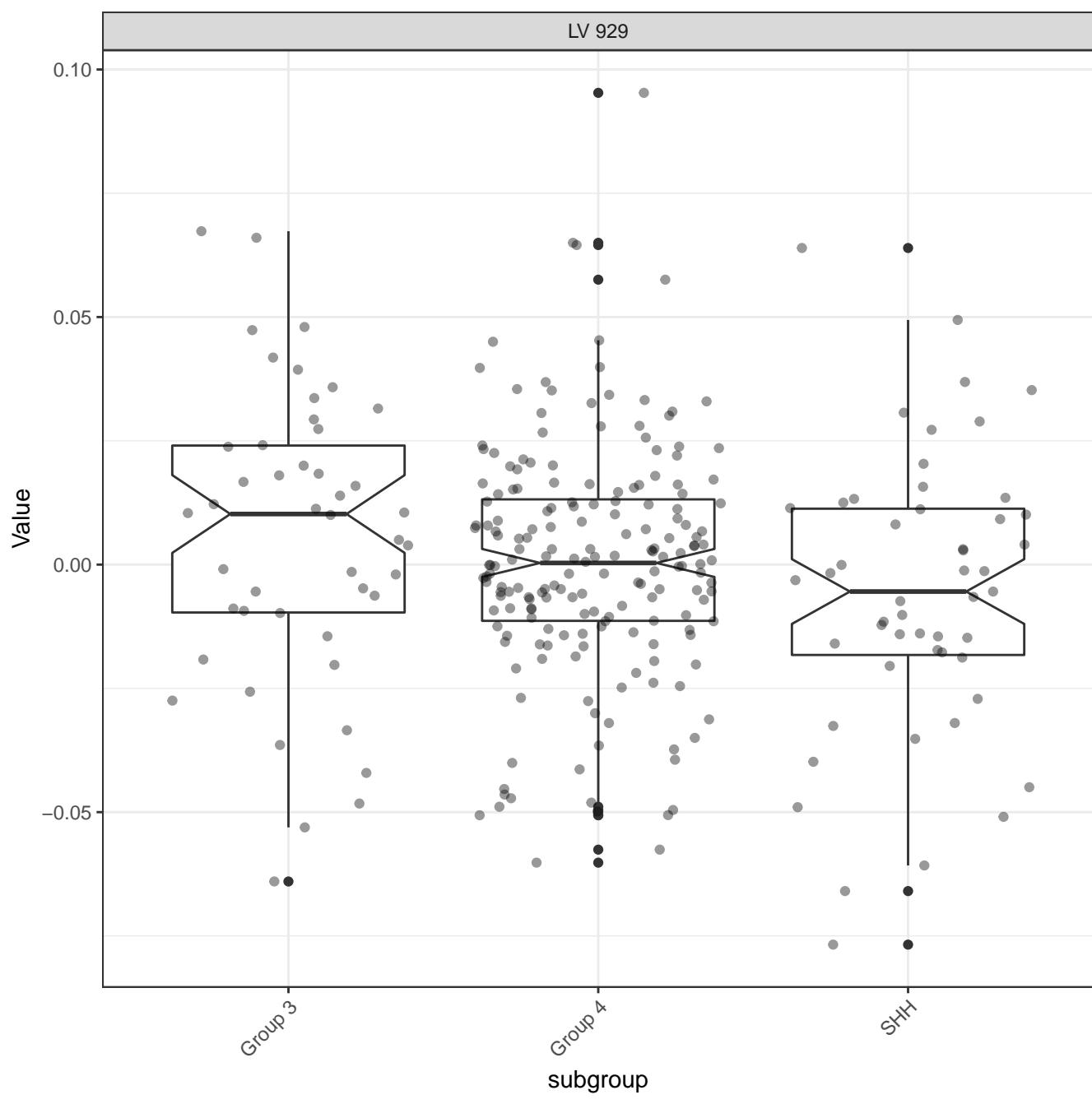
LV 927



928,DMAP_ERY3



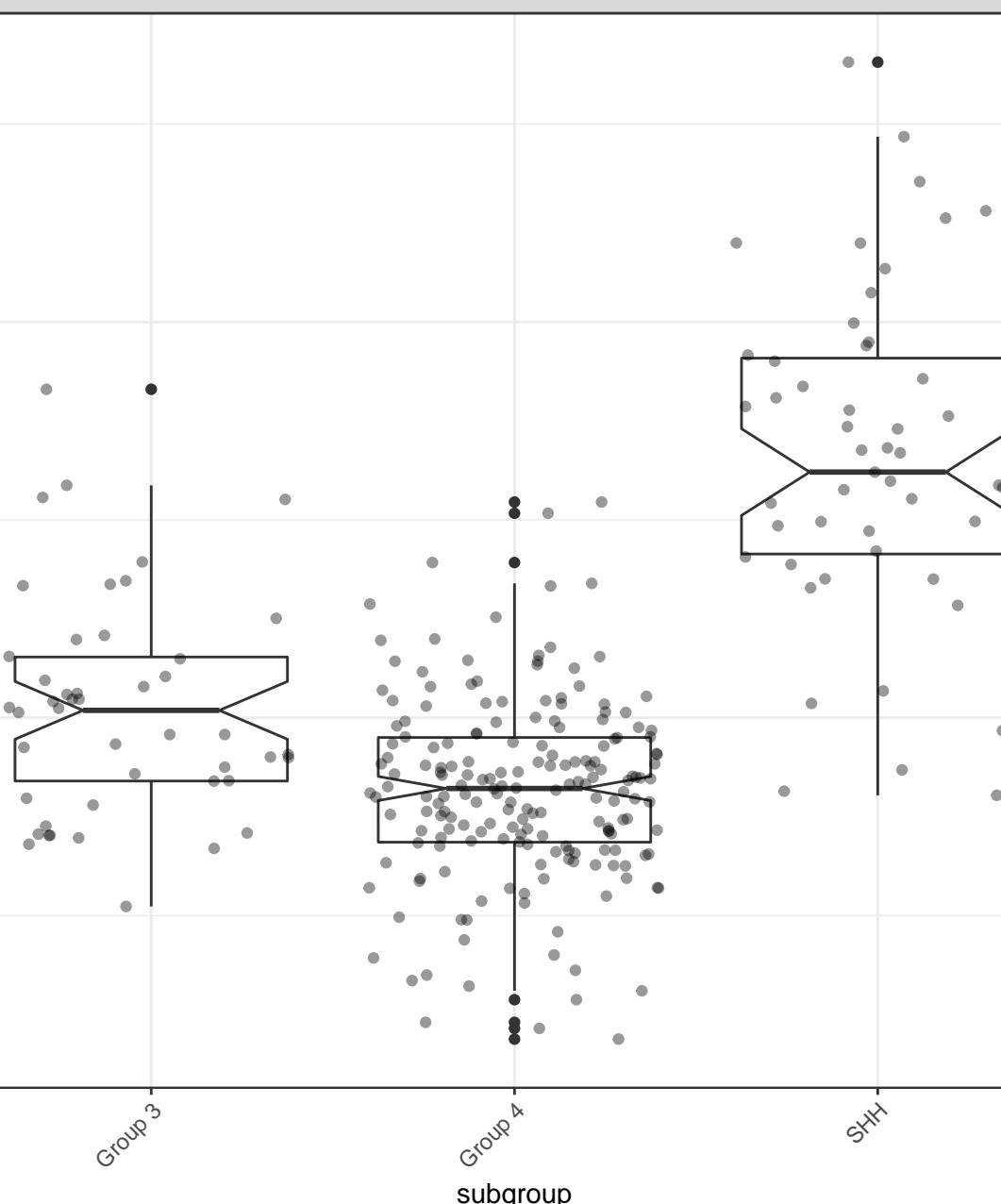
LV 929



Value

0.1

0.0



LV 931

Value

0.1

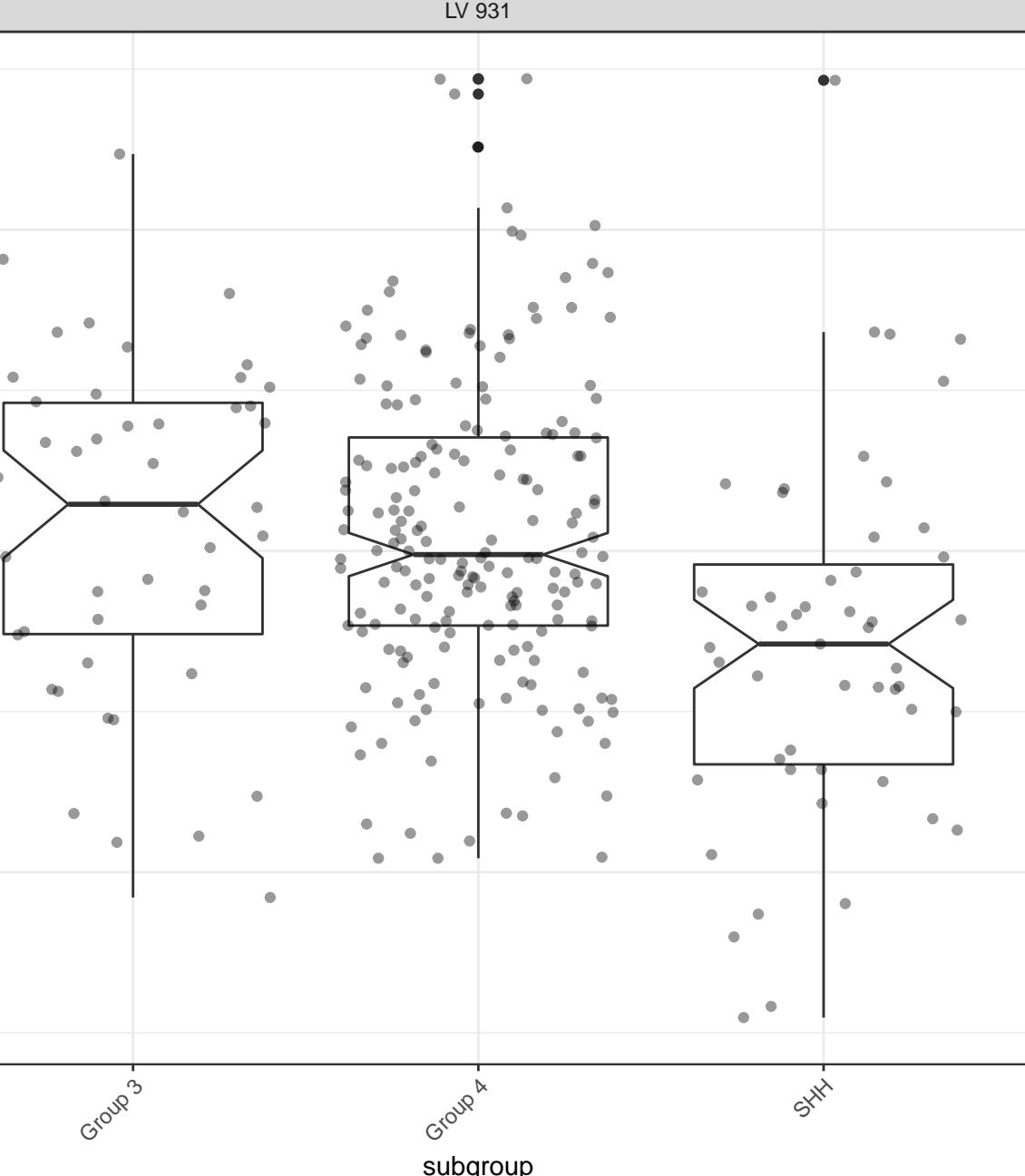
0.0

-0.1

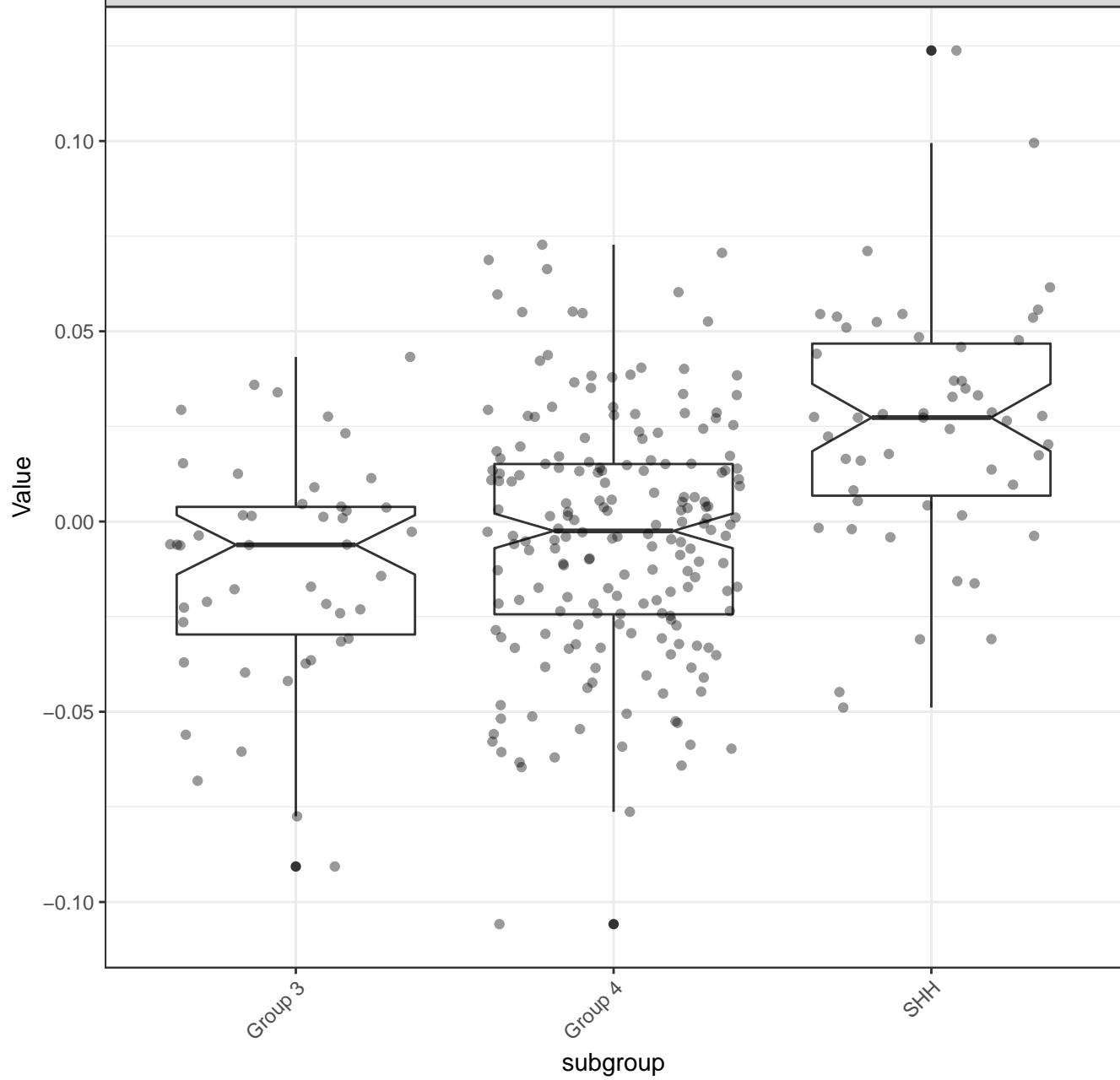
Group³Group⁴

SHH

subgroup



932,SVM T cells follicular helper



LV 933

Value

0.10

0.05

0.00

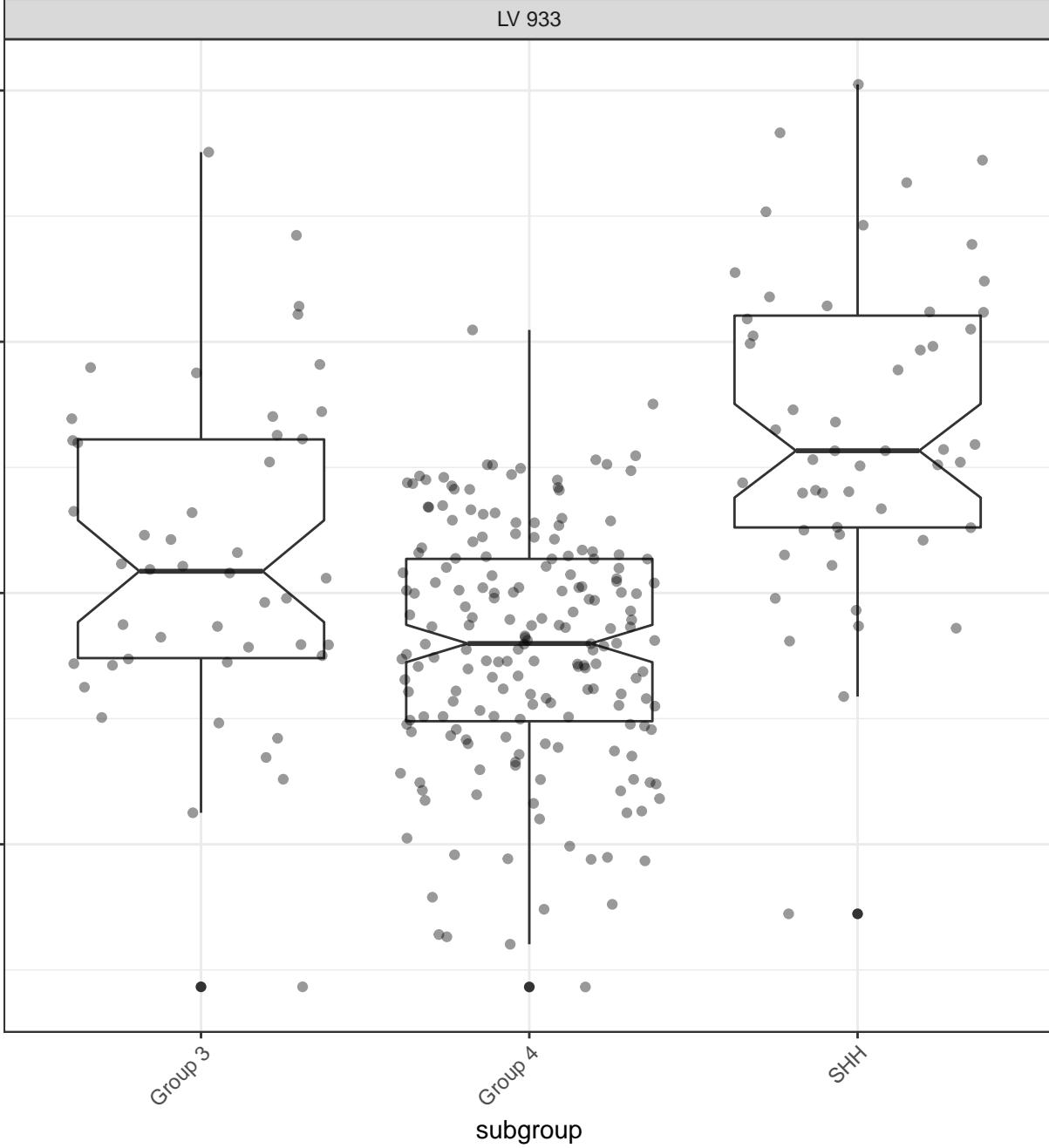
-0.05

Group 3

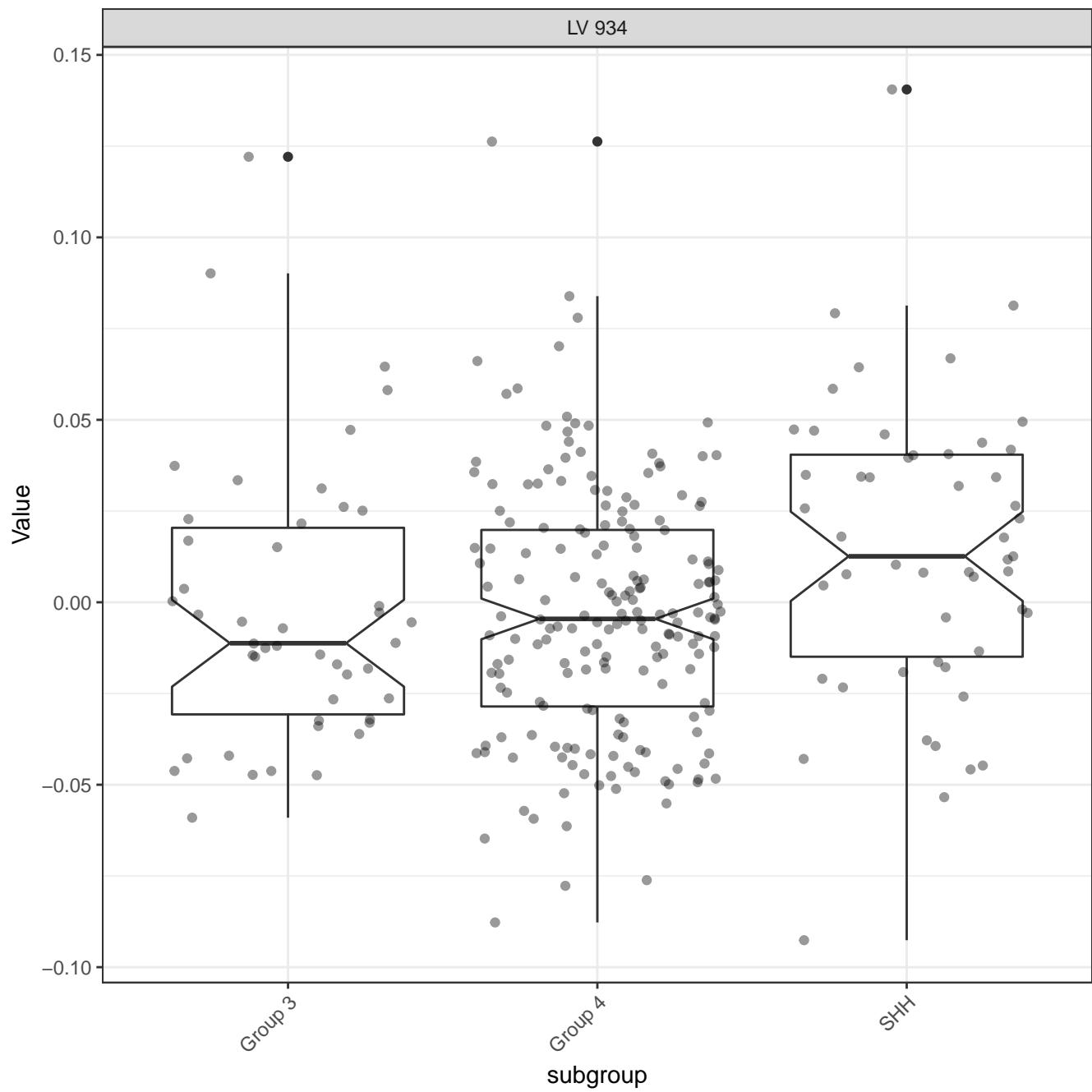
Group 4

SHH

subgroup



LV 934



935,REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION

Value

0.050

0.025

0.000

-0.025

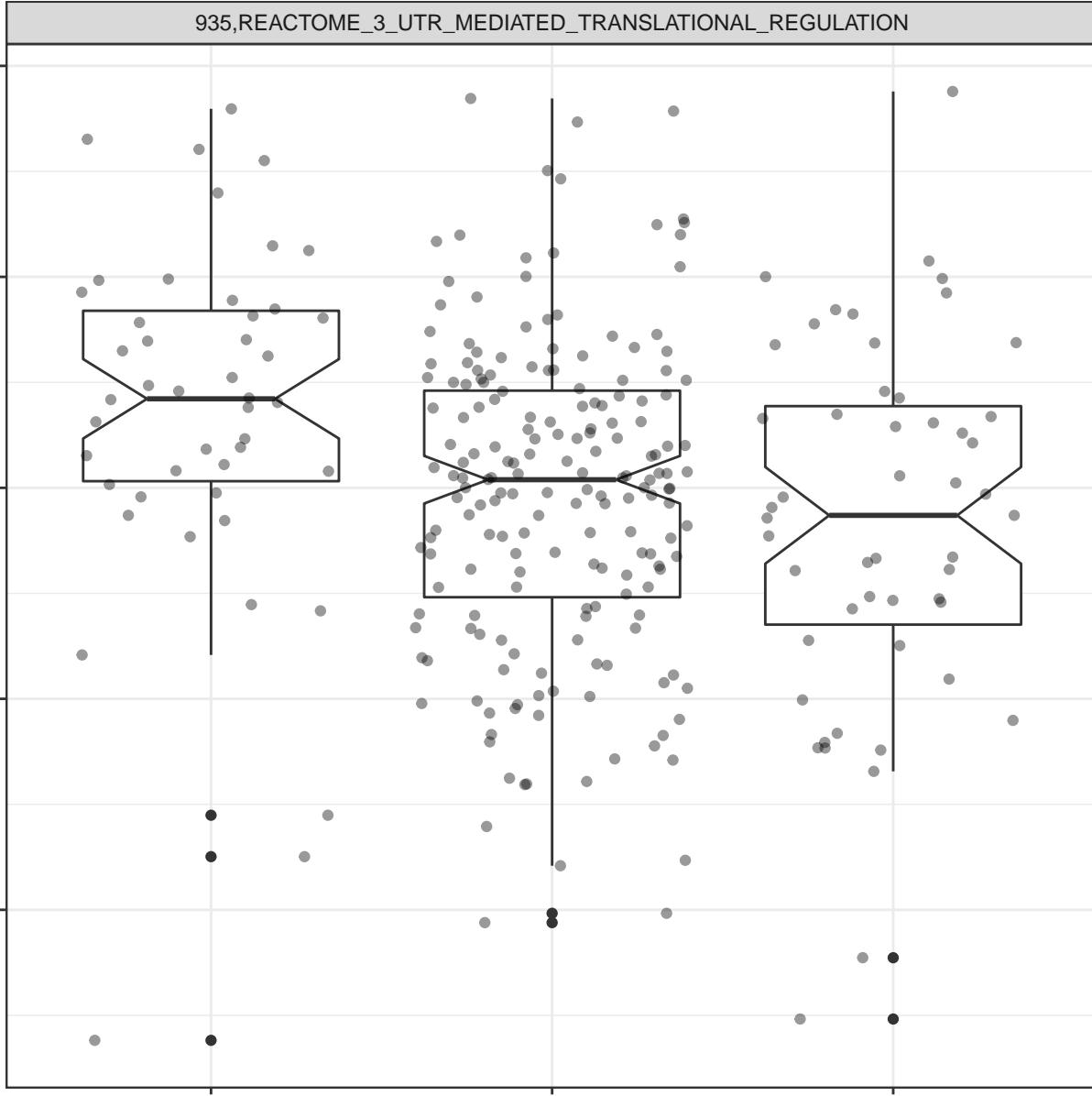
-0.050

Group 3

Group 4

SHH

subgroup



LV 936

Value

0.10

0.05

0.00

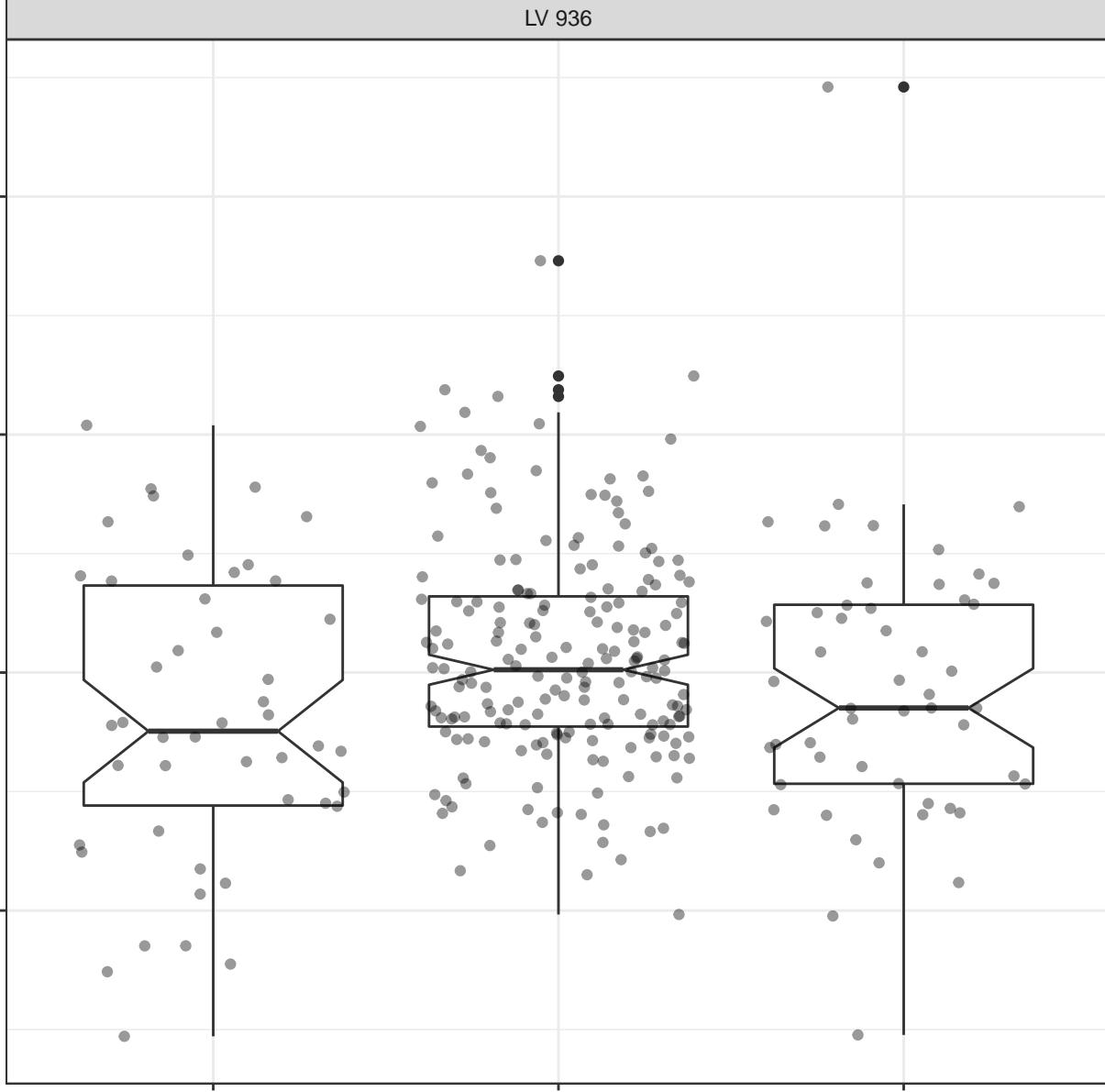
-0.05

Group 3

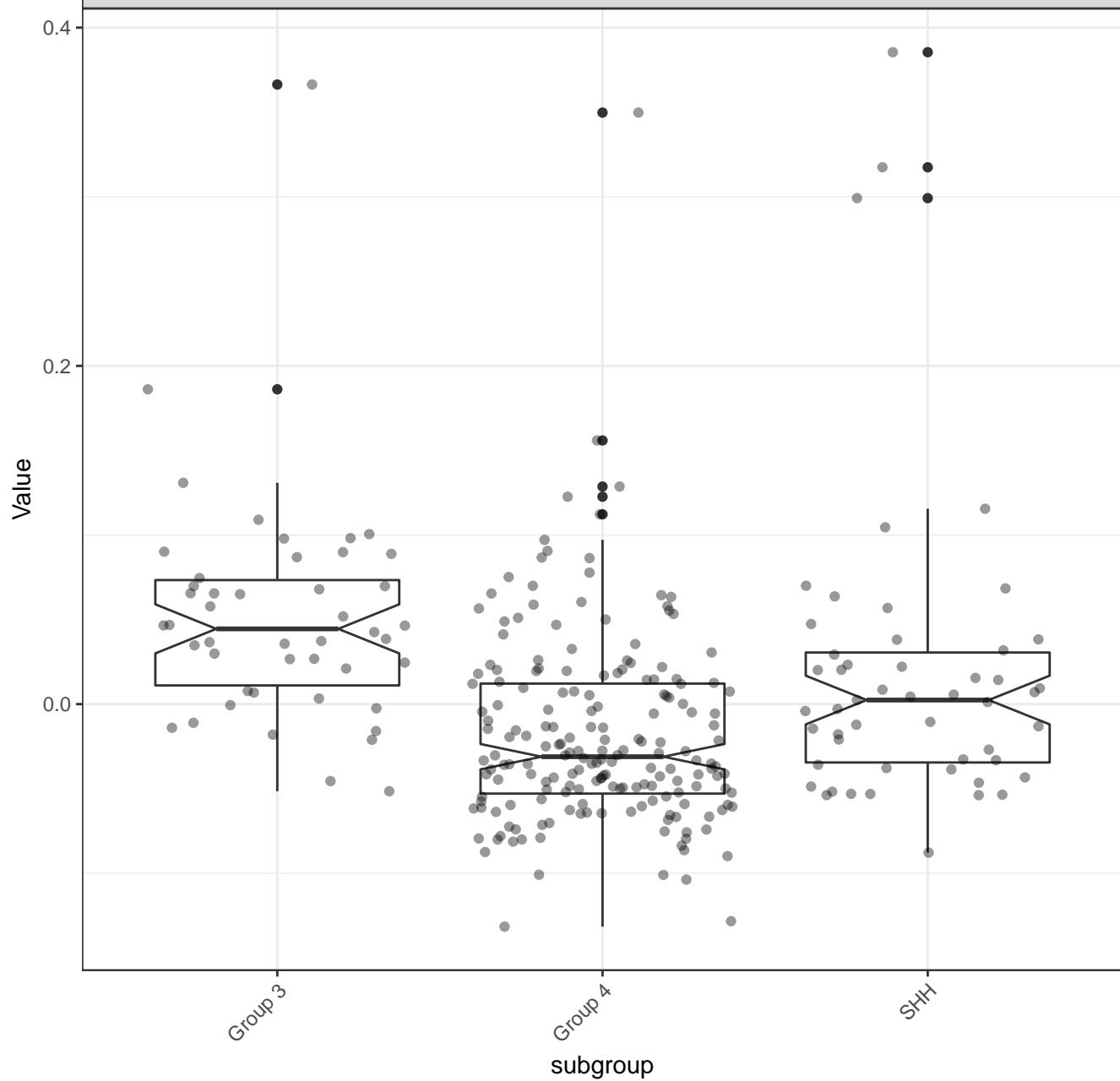
subgroup

Group 4

SHH

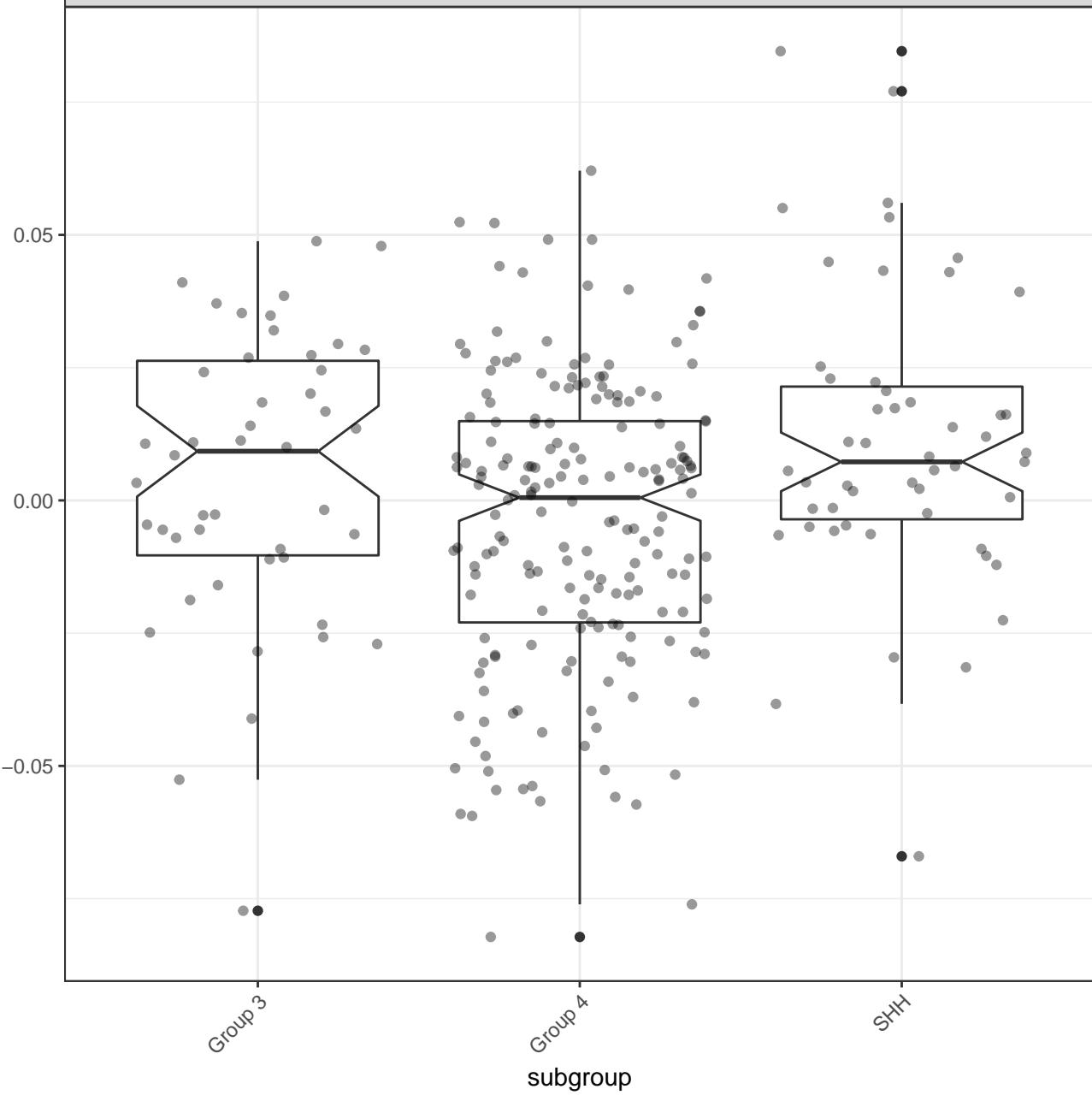


937,PID_HIF1_TFPATHWAY



LV 938

Value



LV 939

Value

0.05

0.00

-0.05

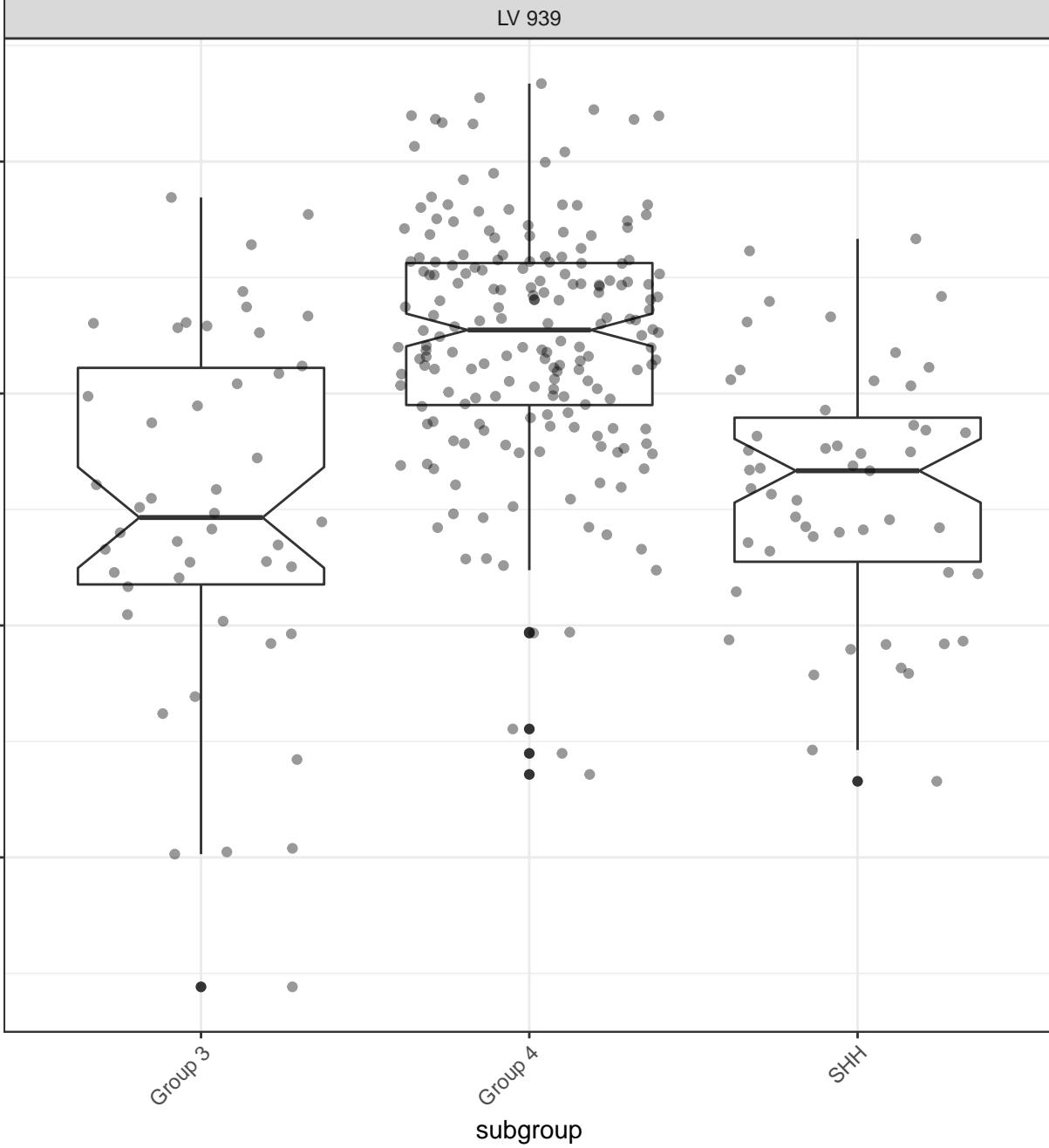
-0.10

Group 3

Group 4

SHH

subgroup



LV 940

Value

0.4

0.2

0.0

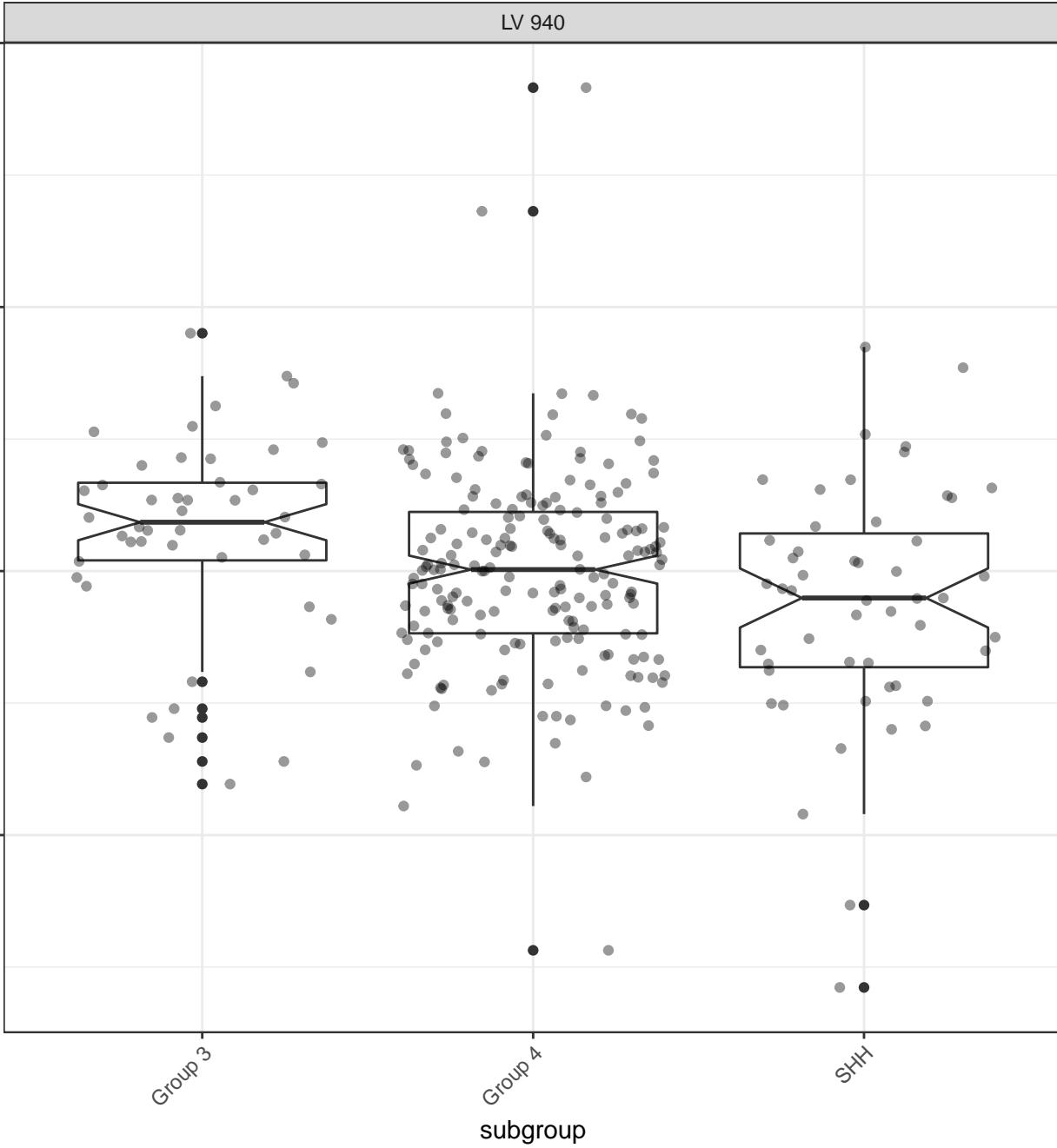
-0.2

Group³

Group⁴

SHH

subgroup



LV 941

Value

0.05

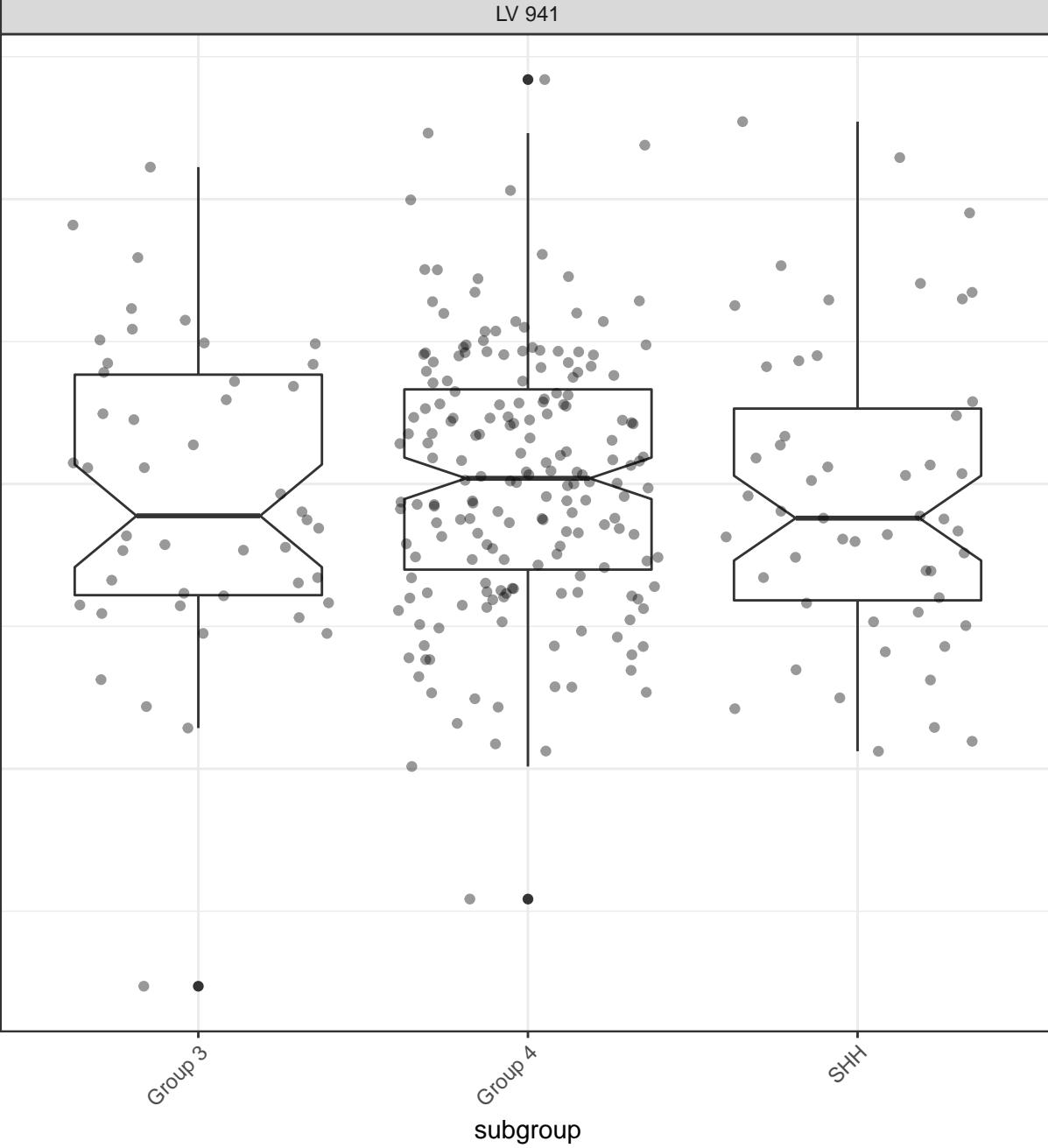
0.00

-0.05

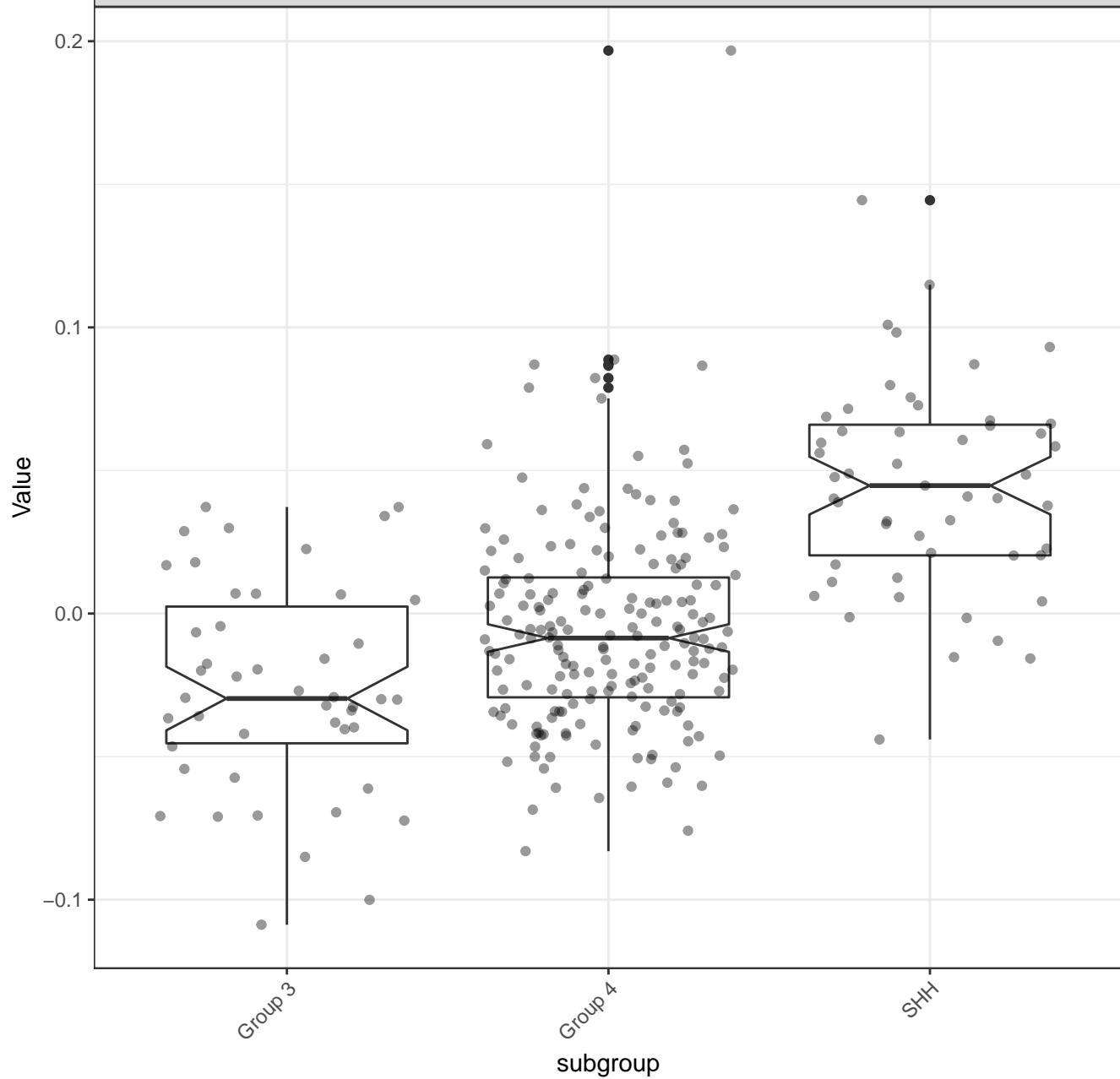
Group 3

subgroup

SHH



942,SVM T cells CD4 memory activated



LV 943

Value

0.10

0.05

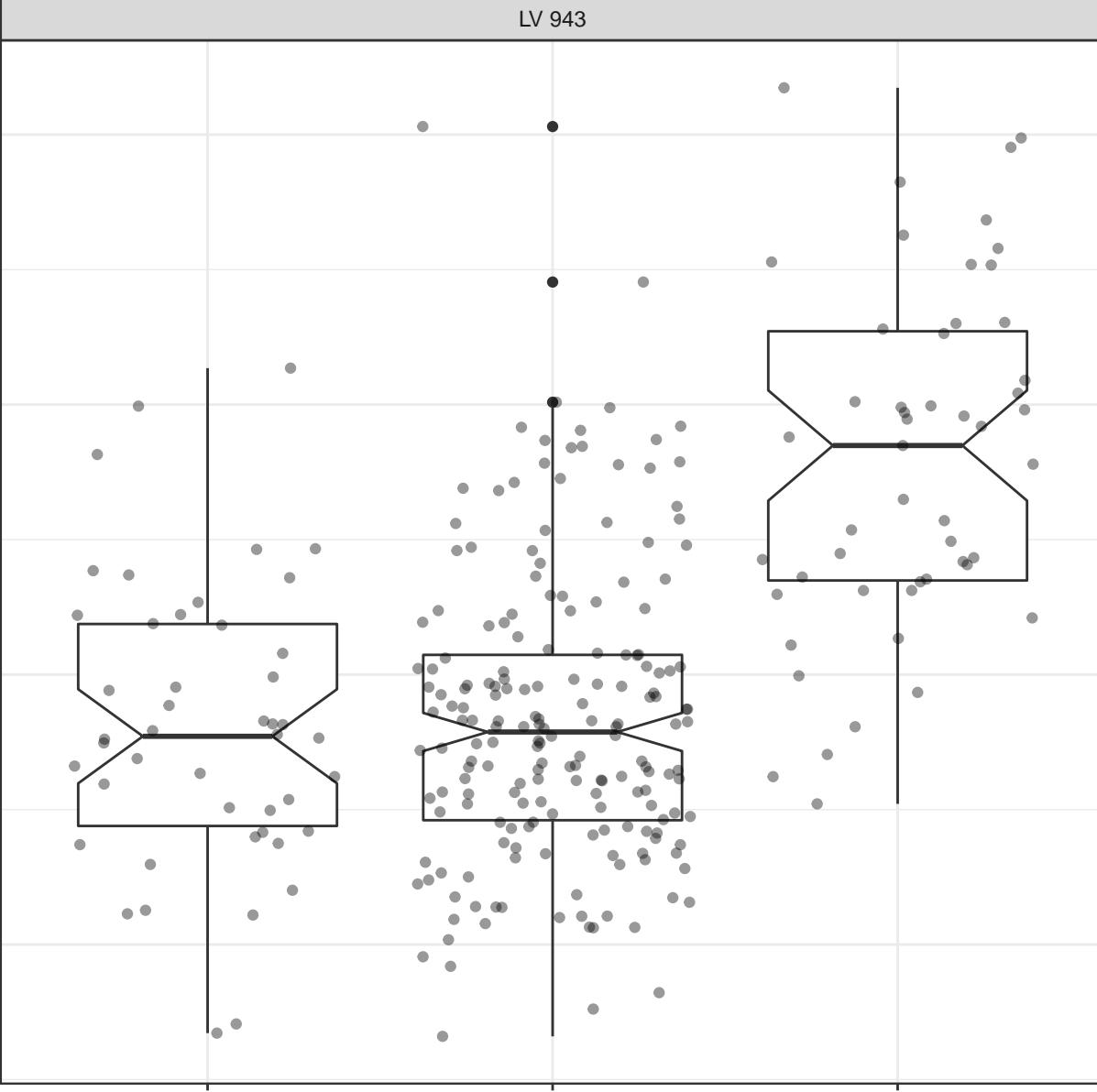
0.00

-0.05

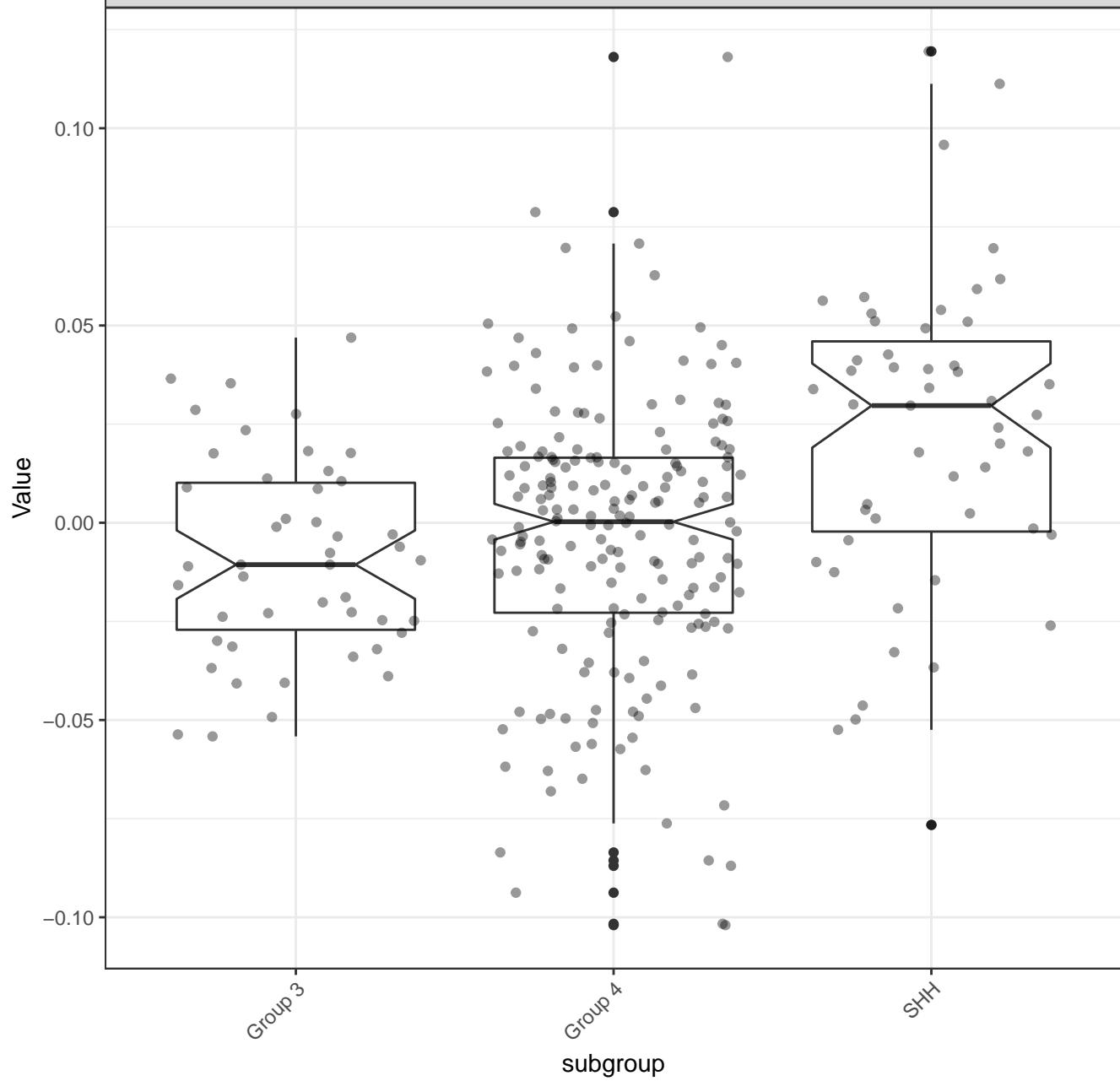
Group 3

subgroup

SHH



LV 944



LV 945

Value

0.1

0.0

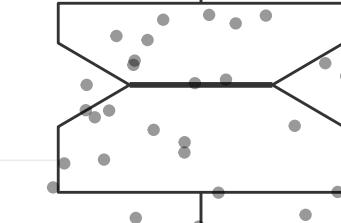
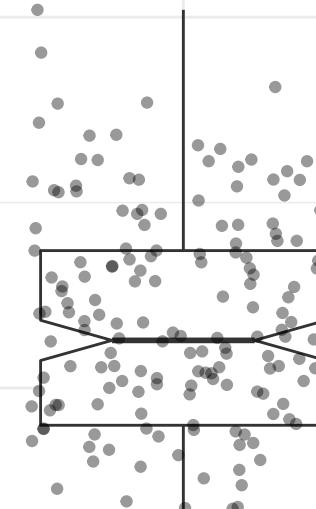
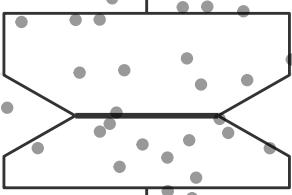
-0.1

Group³

Group⁴

SHH

subgroup



LV 946

Value

0.10

0.05

0.00

-0.05

-0.10

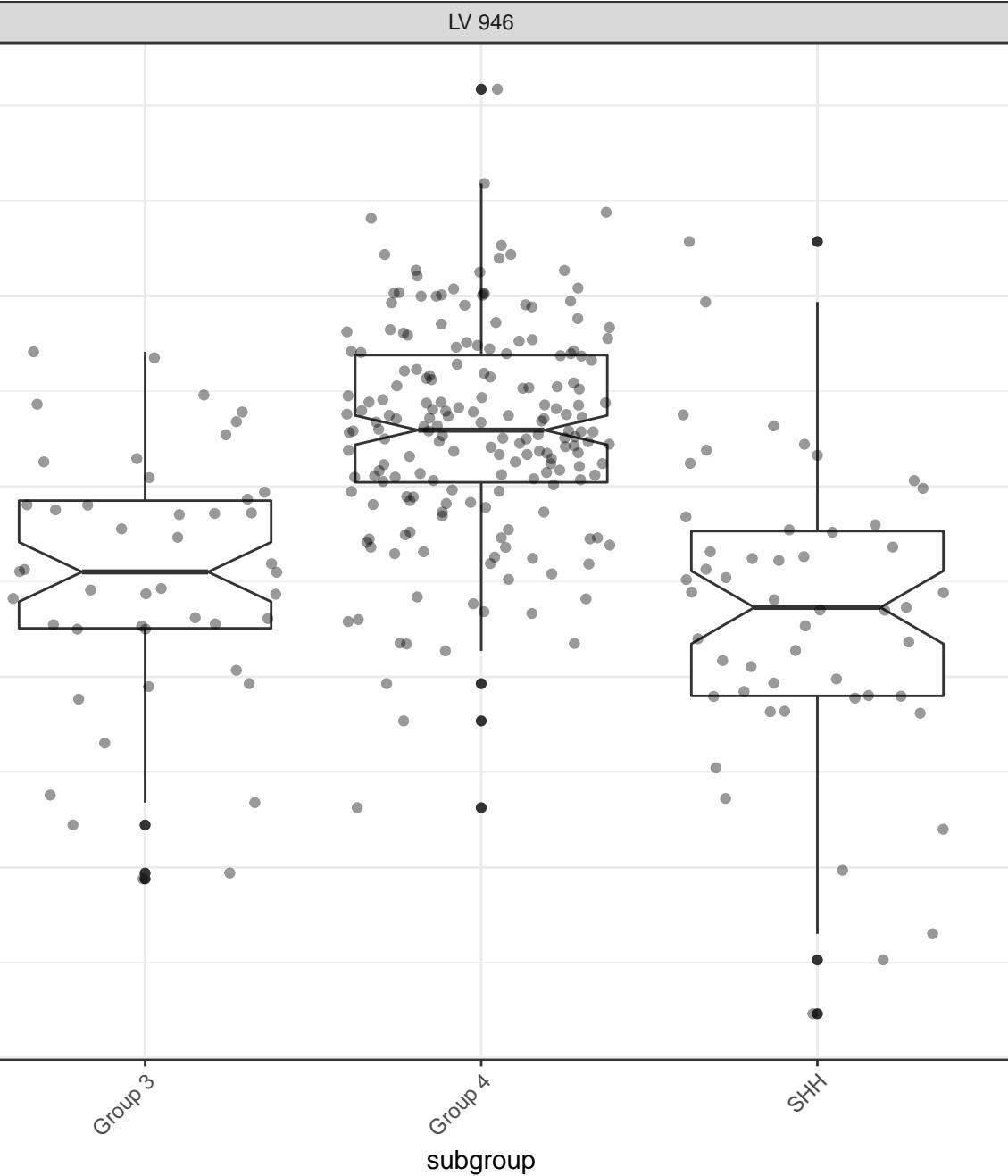
-0.15

Group 3

Group 4

SHH

subgroup



LV 947

Value

0.10

0.05

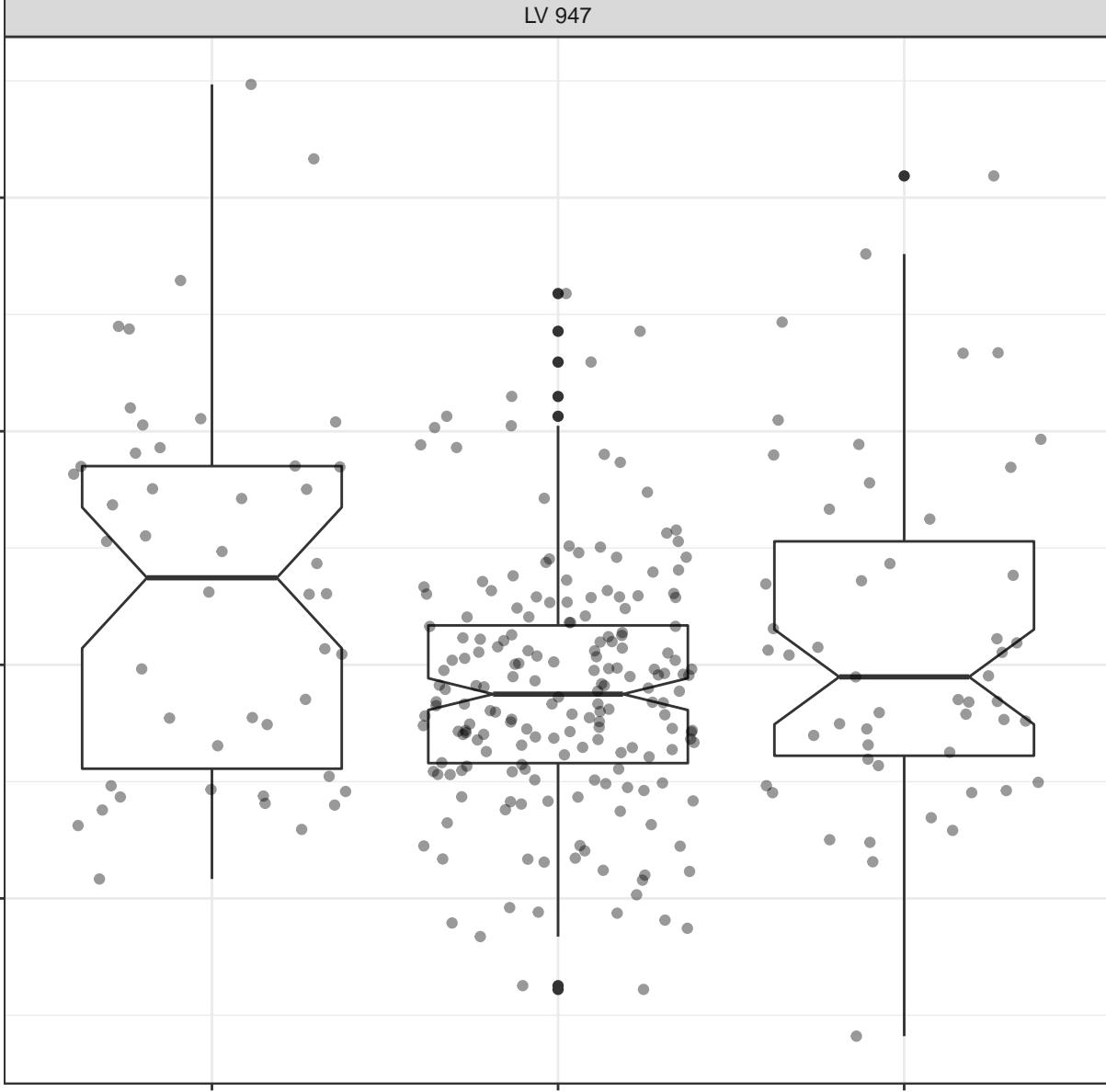
0.00

-0.05

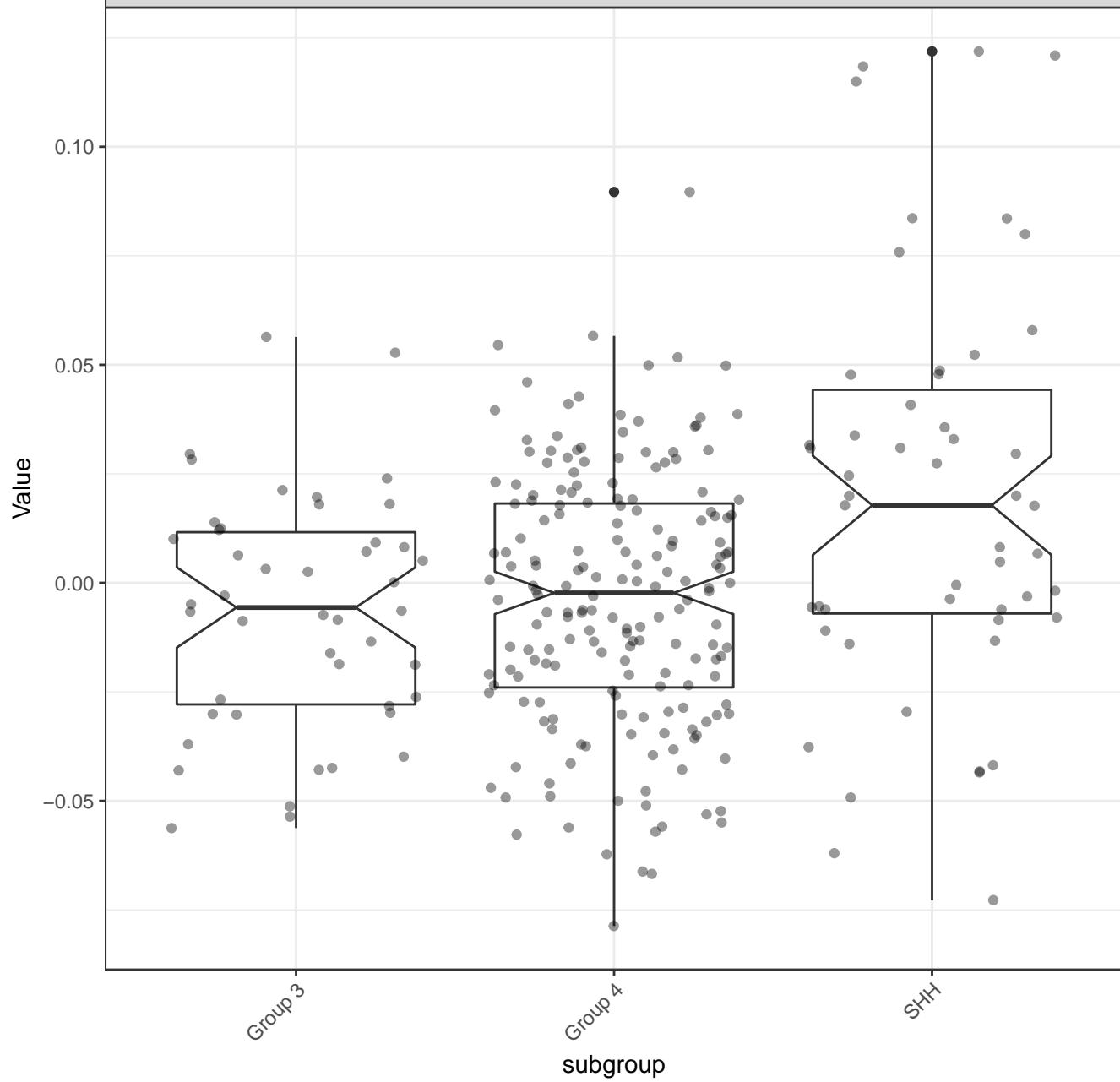
Group 3

subgroup

SHH



LV 948



LV 949

Value

0.05

0.00

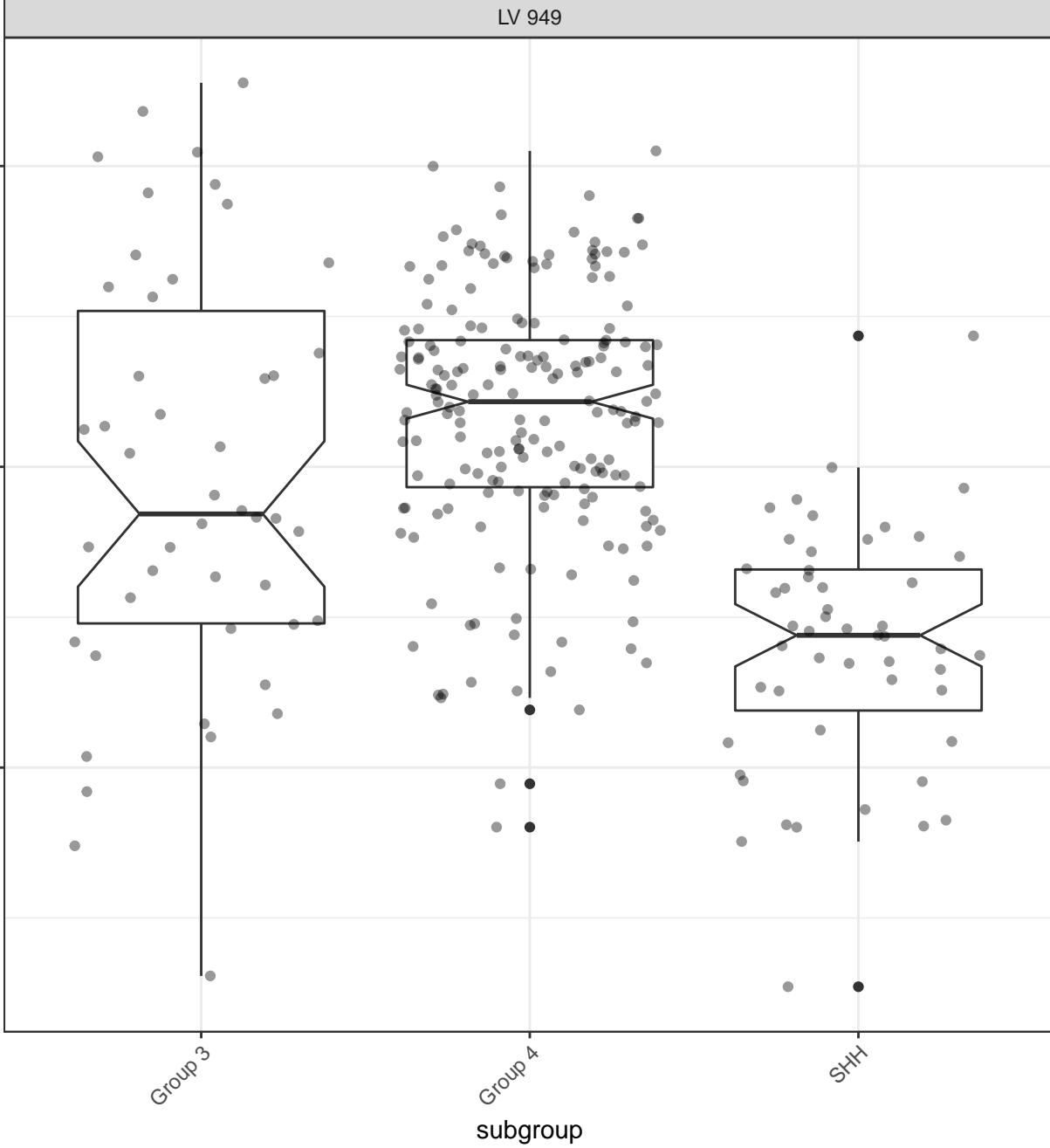
-0.05

Group 3

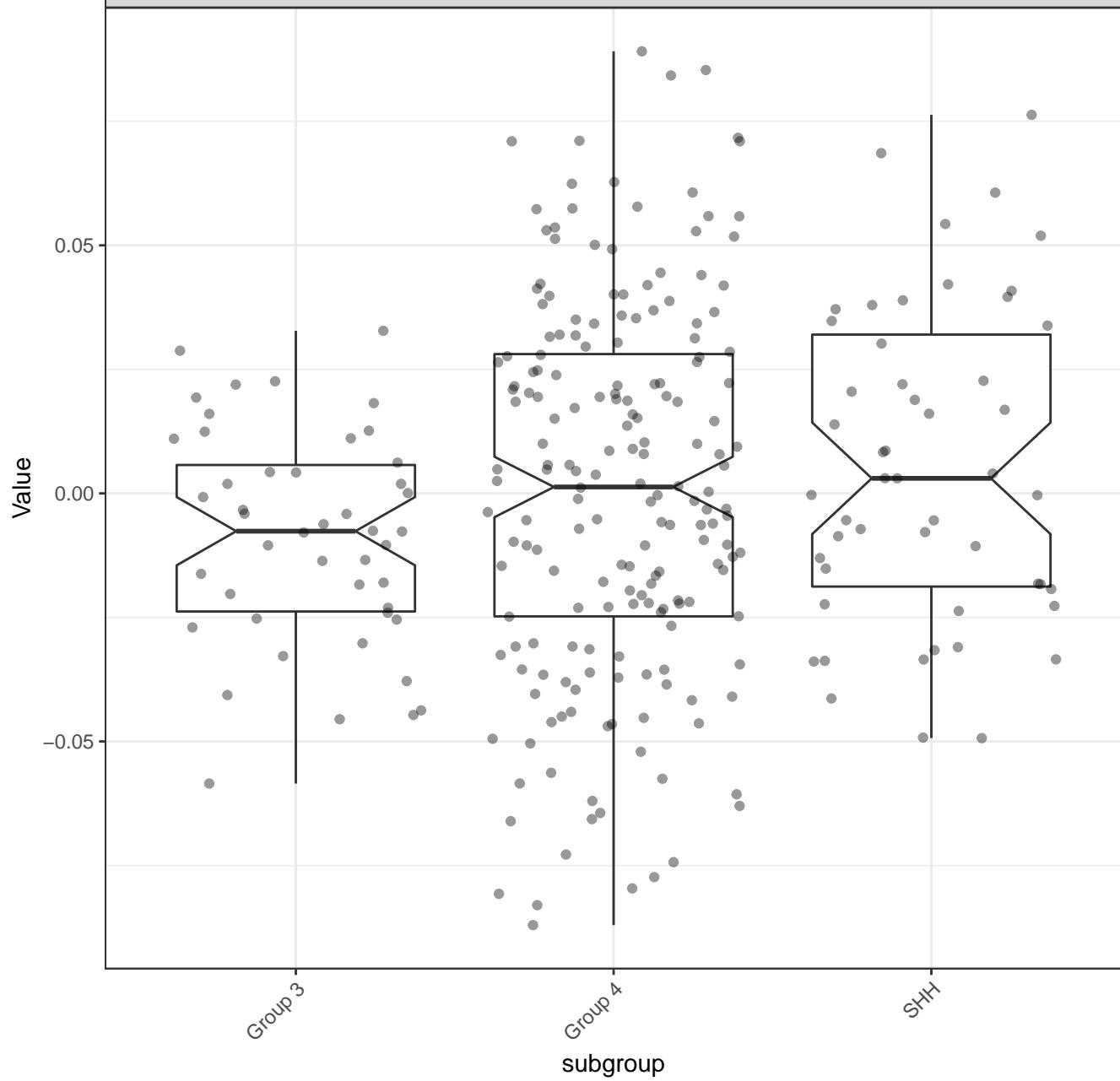
Group 4

SHH

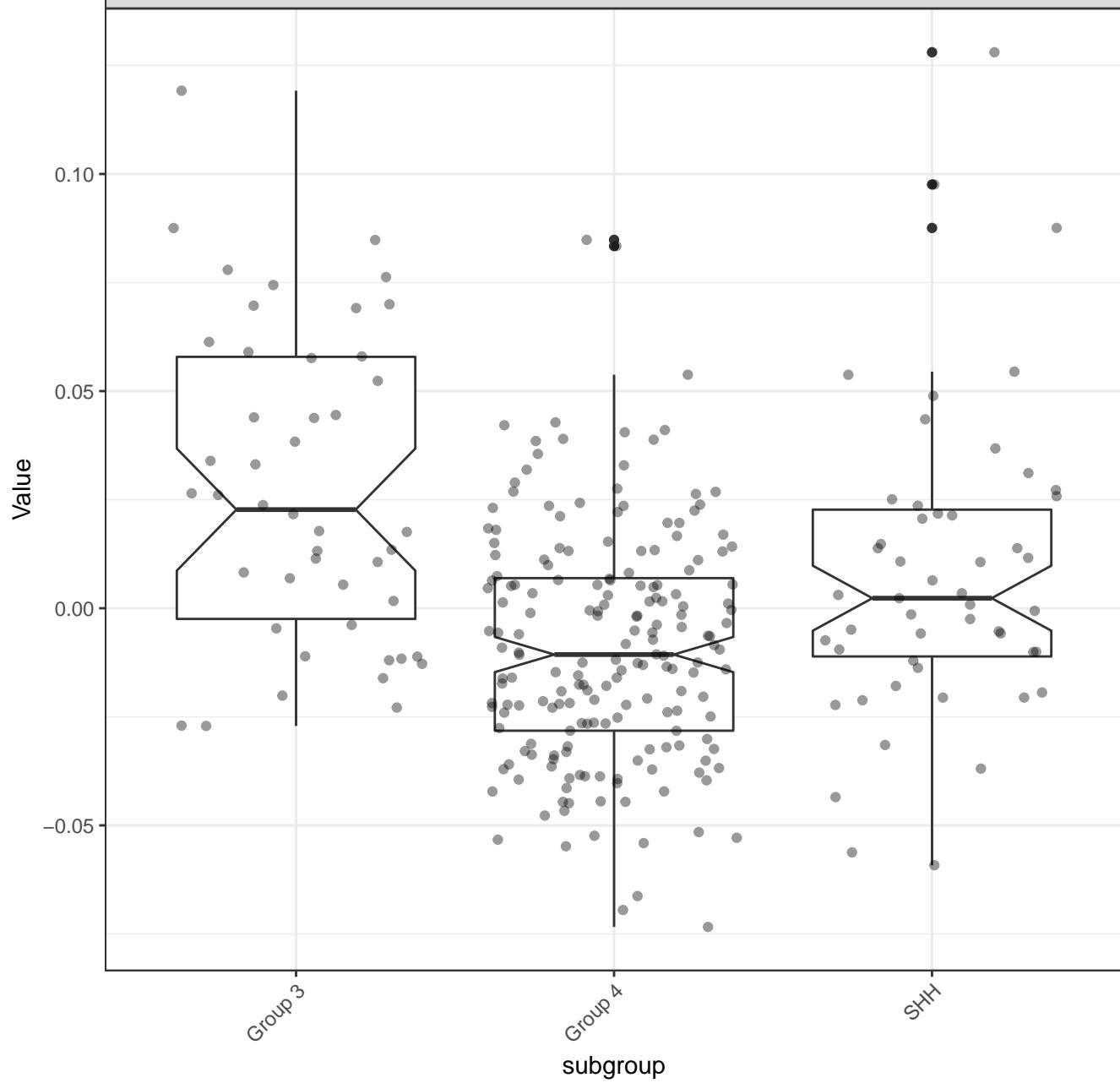
subgroup



LV 950



951,SVM Plasma cells



LV 952

Value

0.10

0.05

0.00

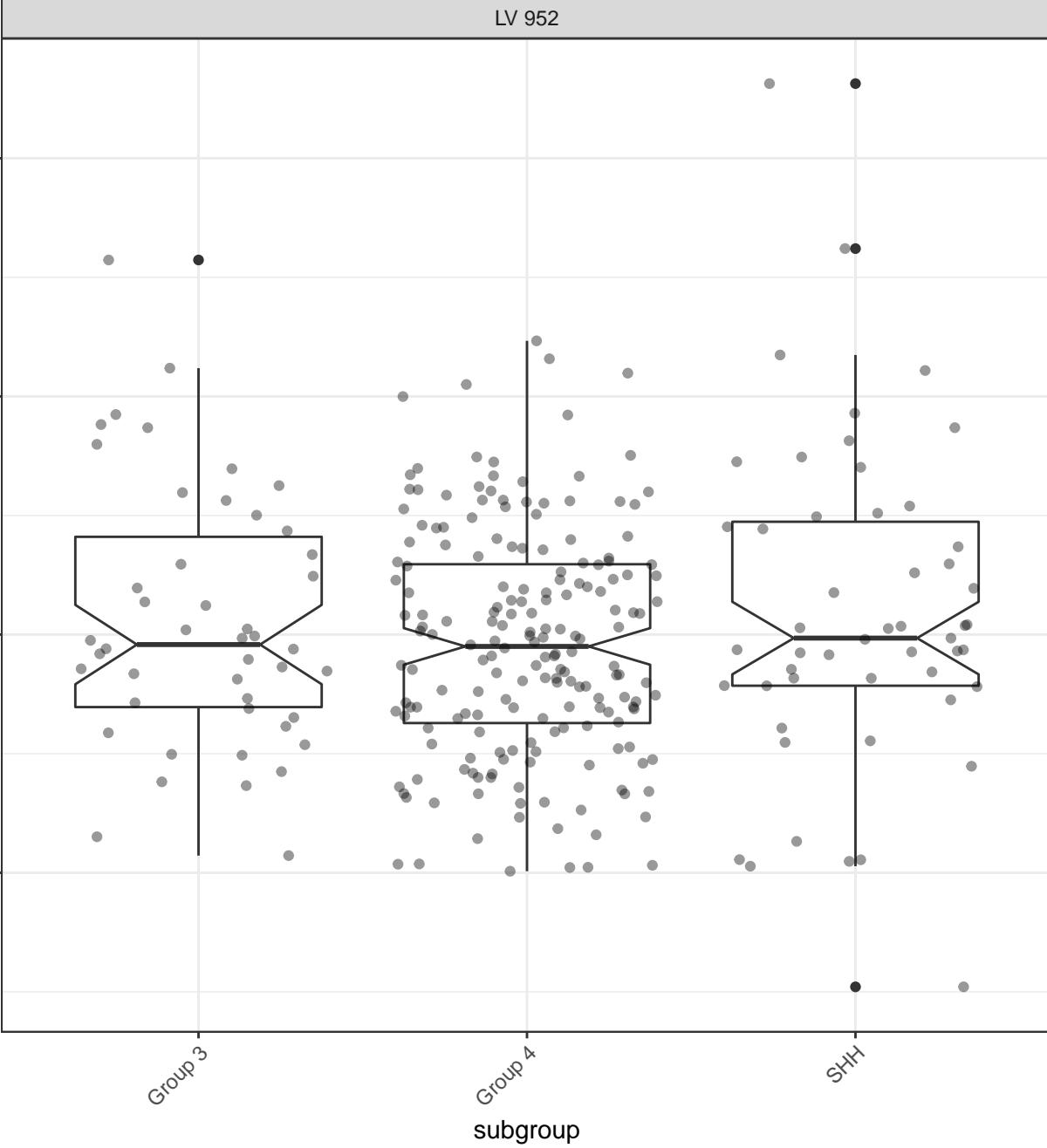
-0.05

Group 3

Group 4

SHH

subgroup



Value

0.2

0.1

0.0

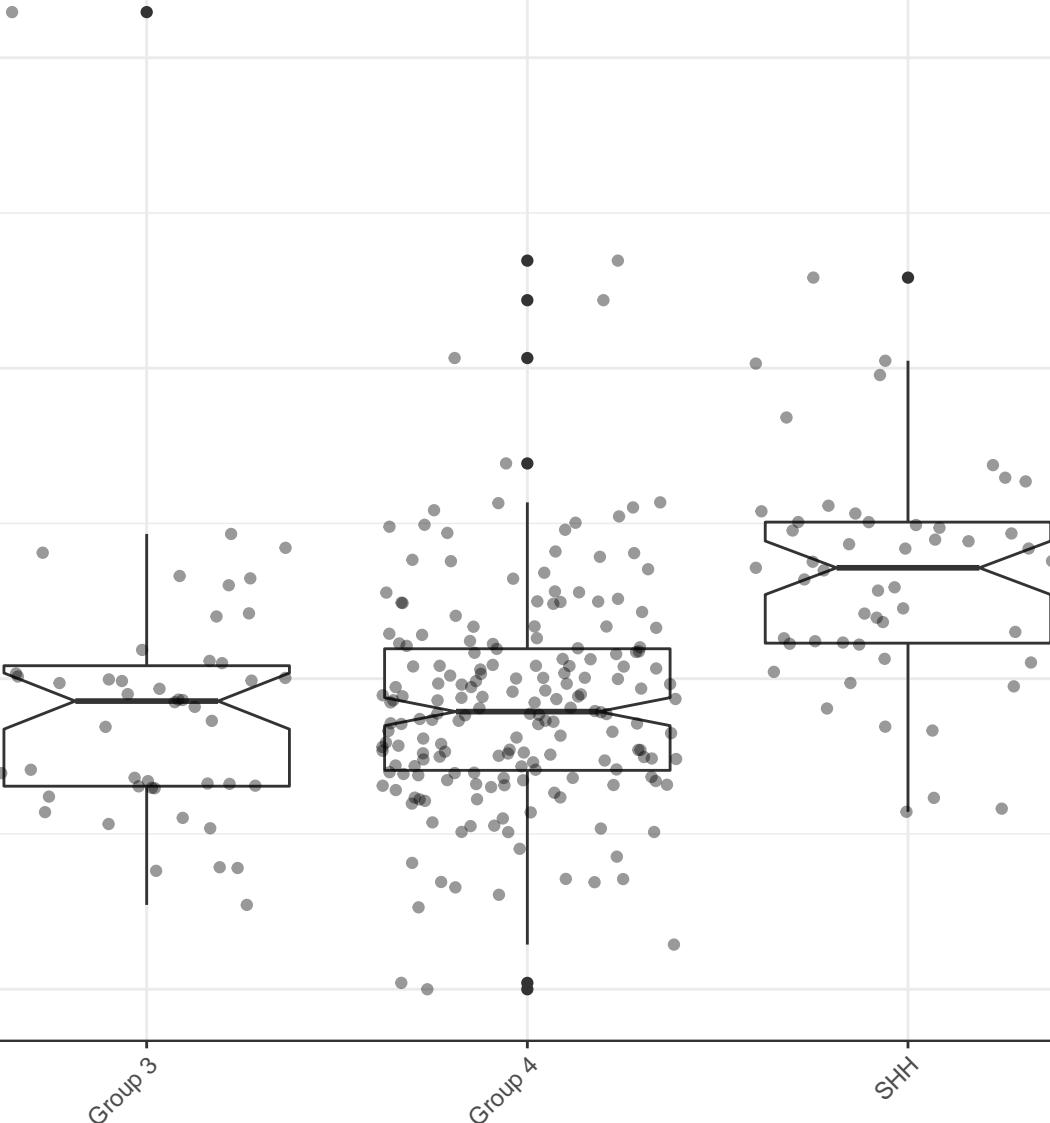
-0.1

Group 3

Group 4

SHH

subgroup



954,DMAP_TCELLA6

Value

0.2

0.1

0.0

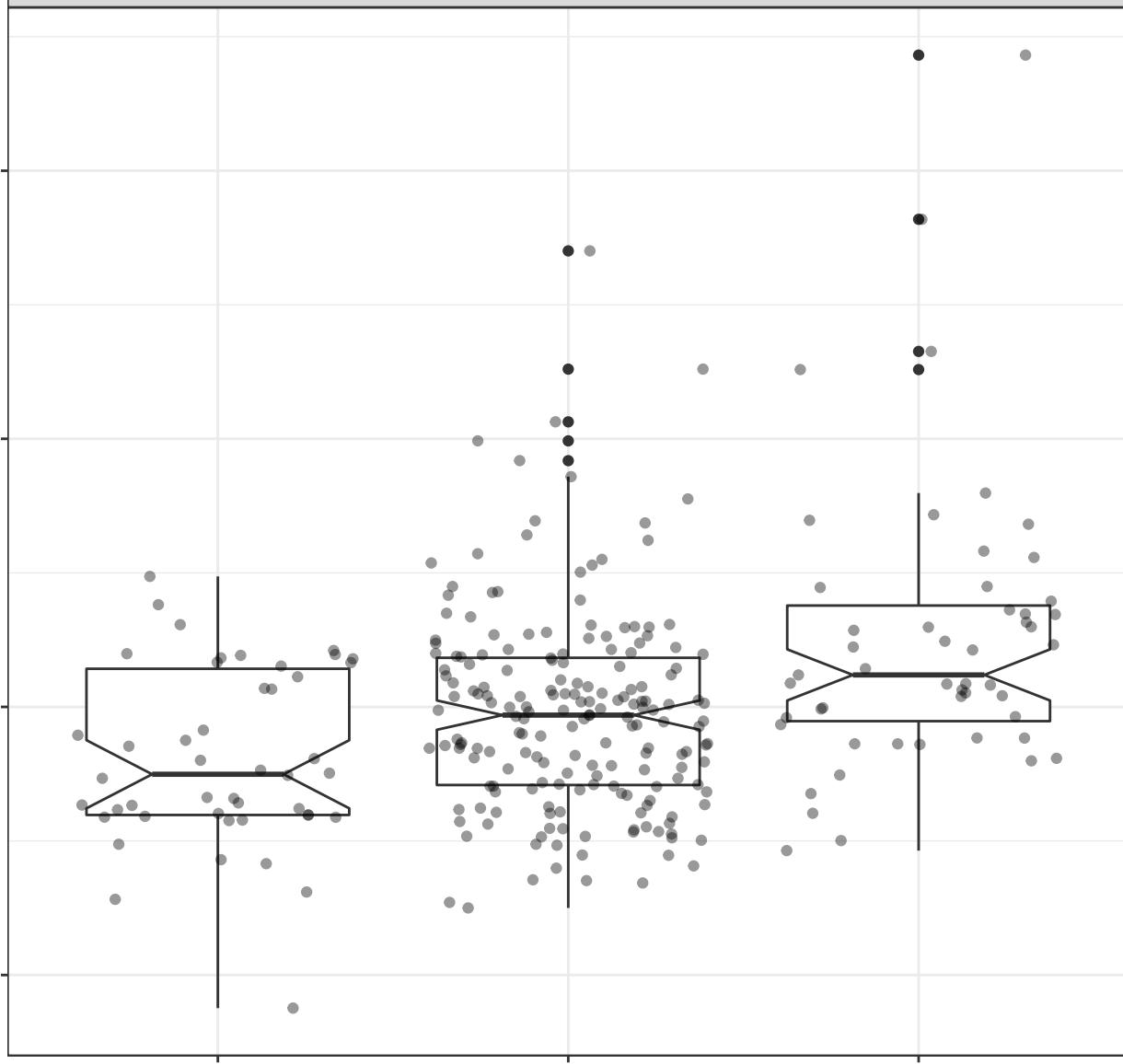
-0.1

Group 3

Group 4

SHH

subgroup



LV 955

Value

0.05

0.00

-0.05

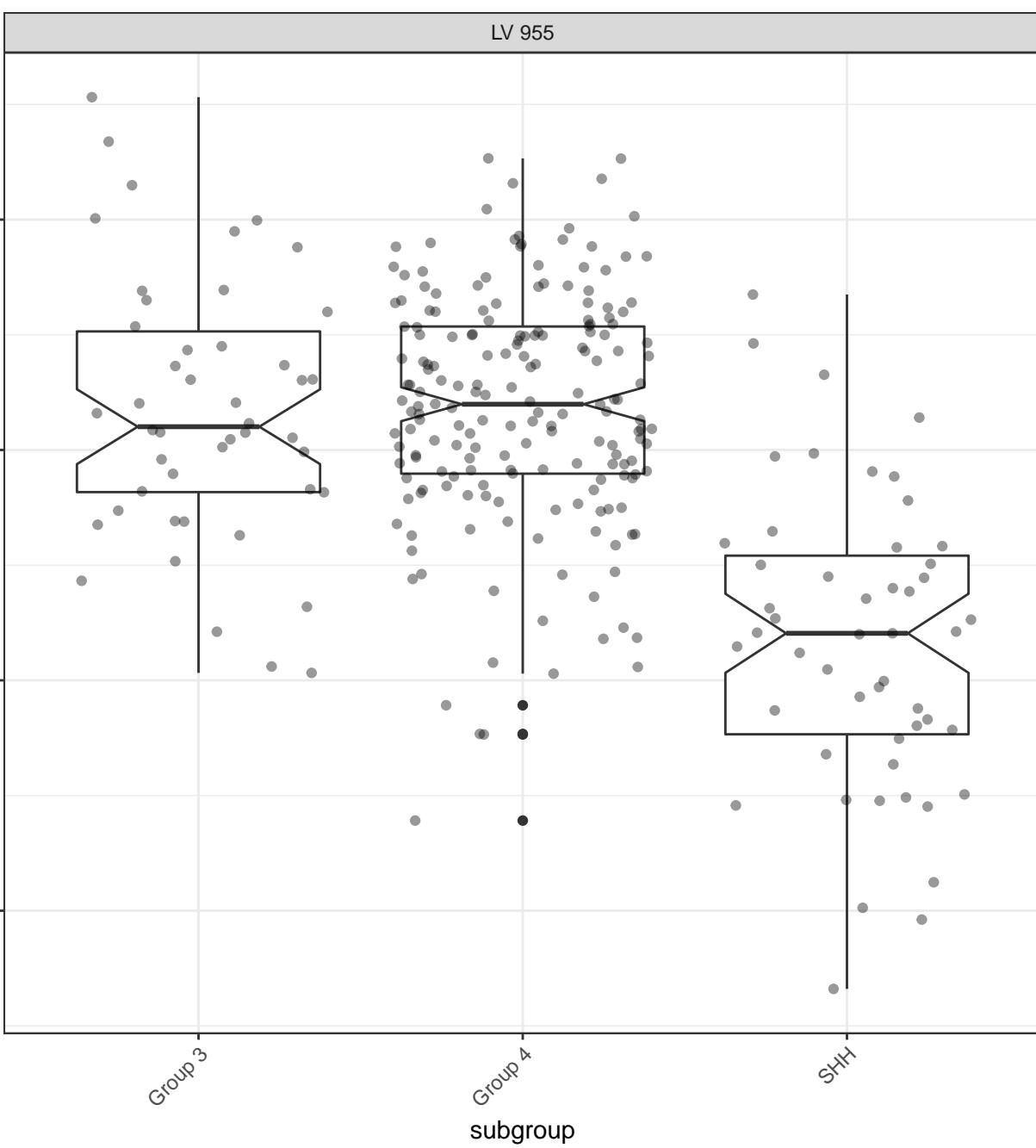
-0.10

Group 3

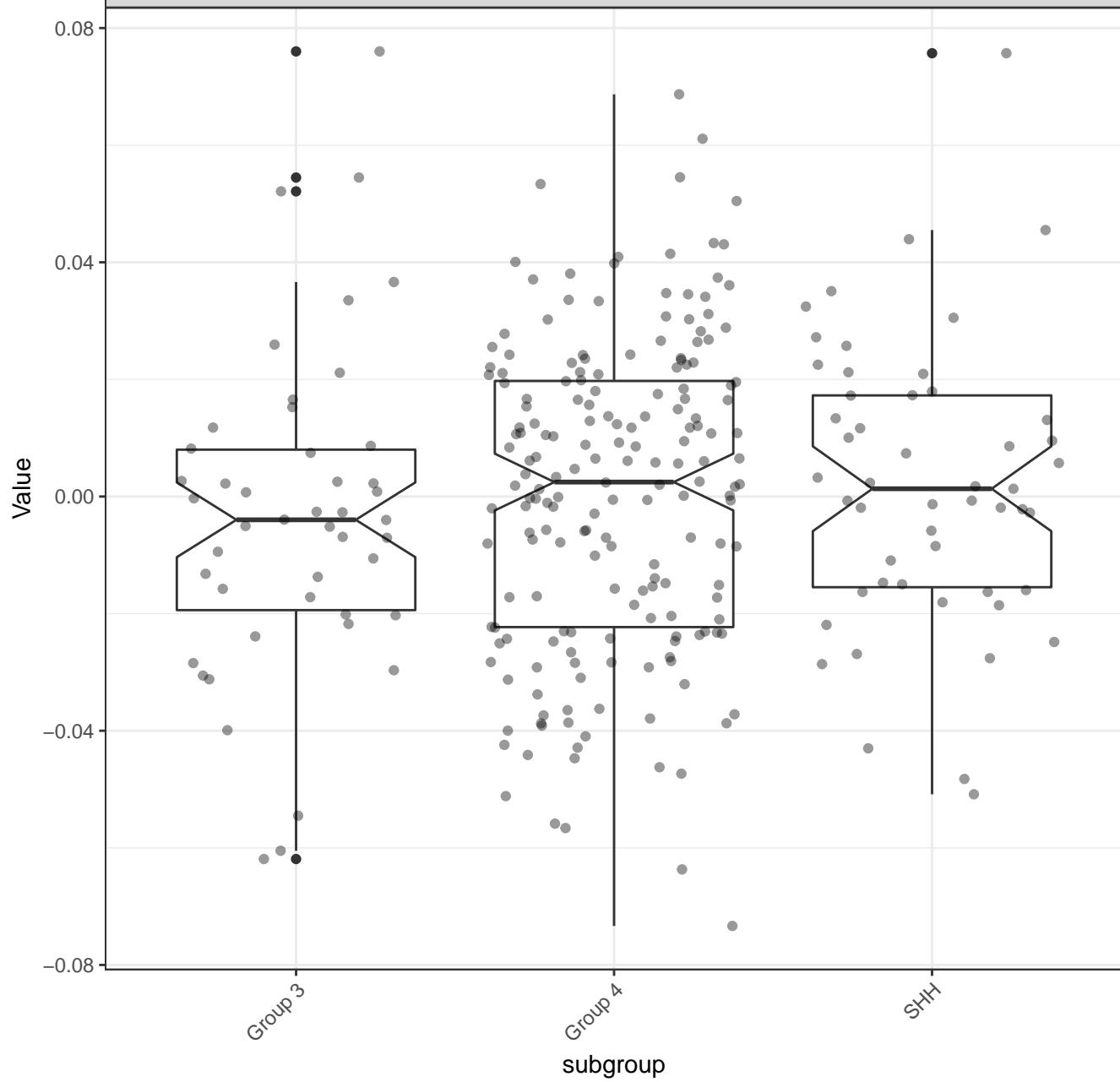
Group 4

SHH

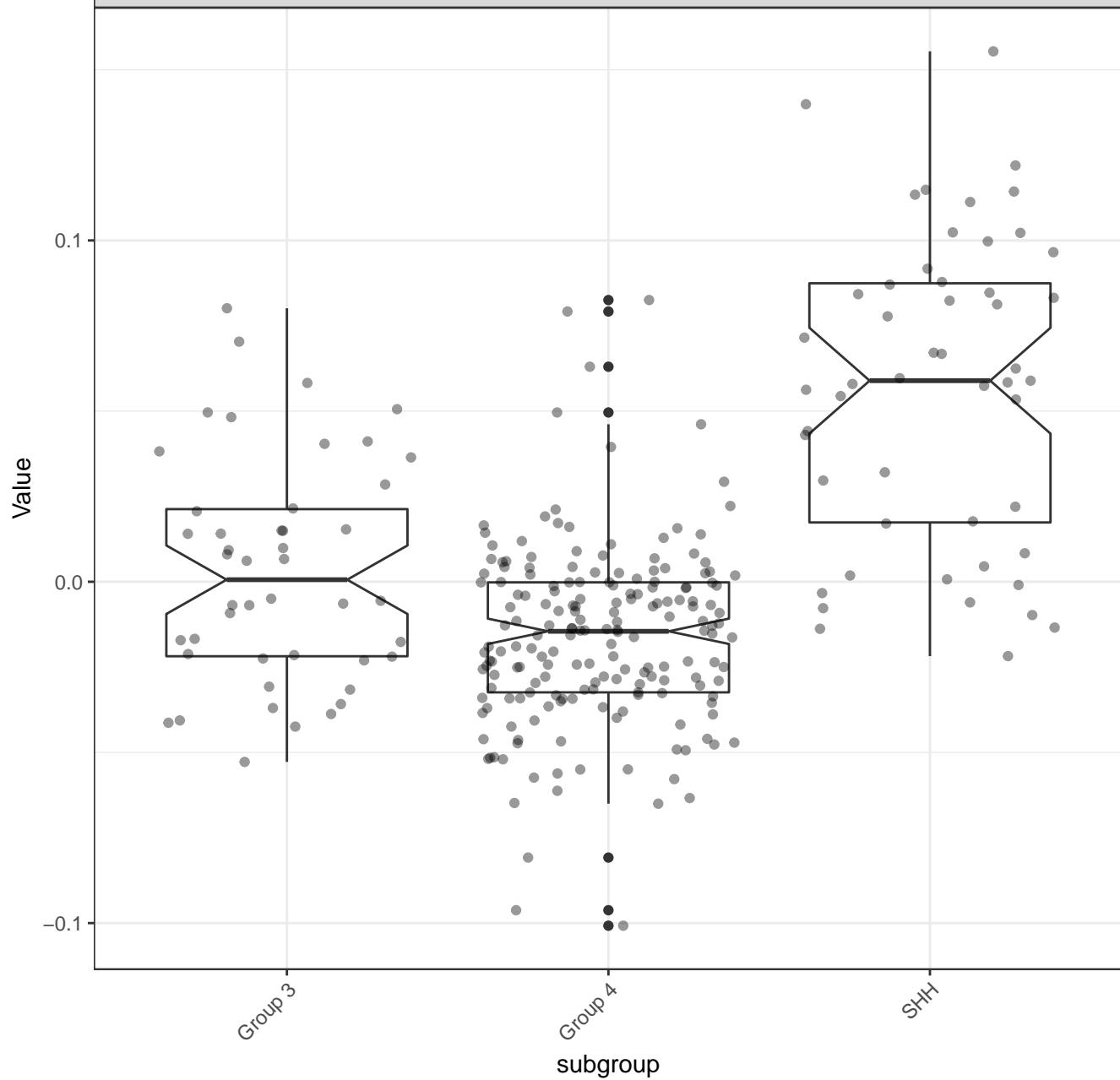
subgroup



LV 956



LV 957



LV 958

Value

0.25

0.00

-0.25

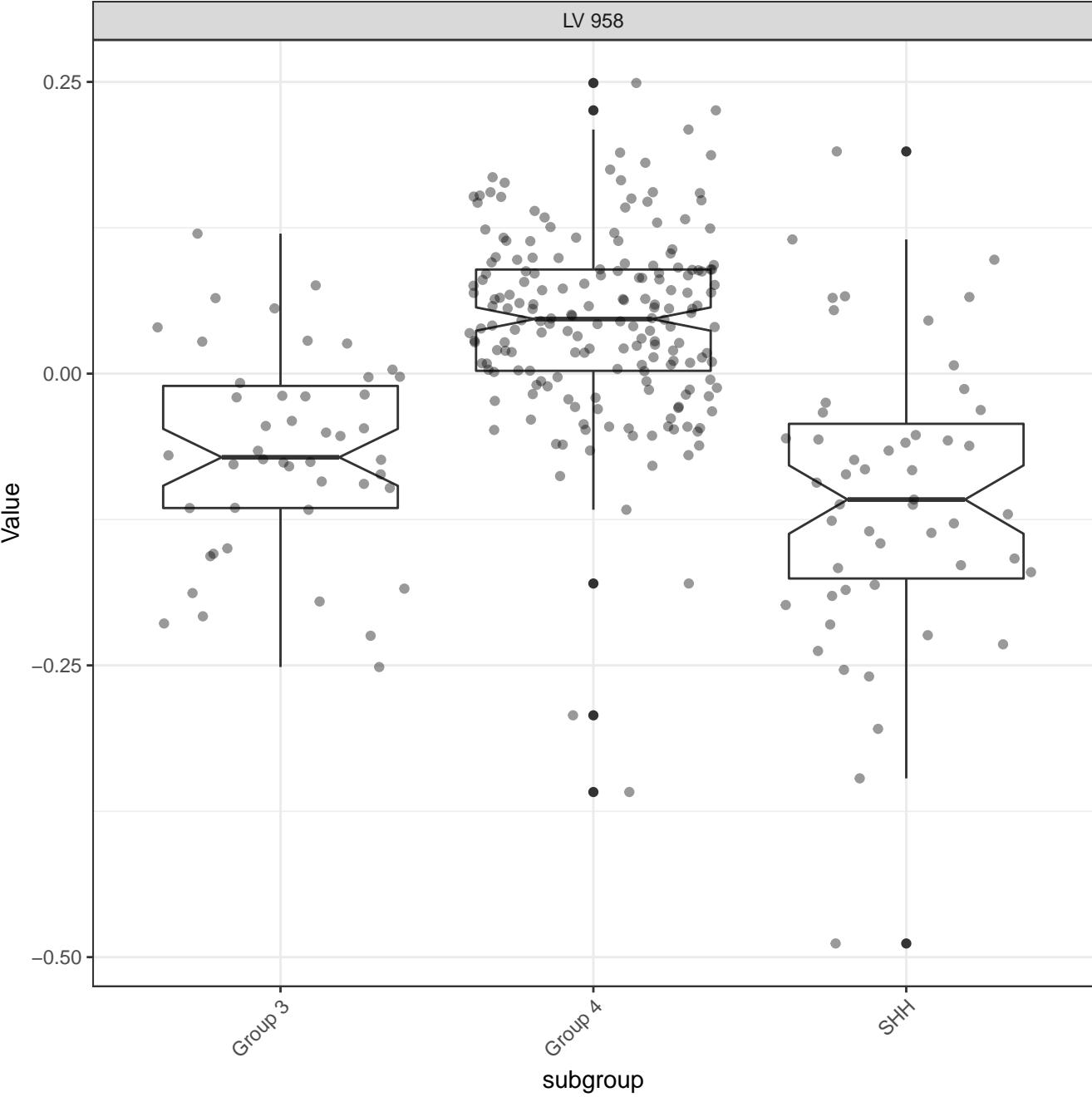
-0.50

Group 3

subgroup

Group 4

SHH



LV 959

Value

0.10

0.05

0.00

-0.05

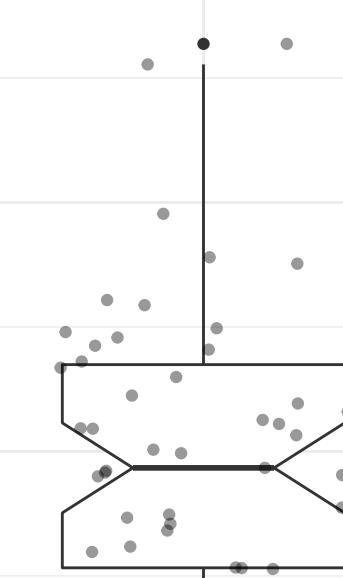
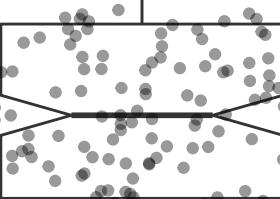
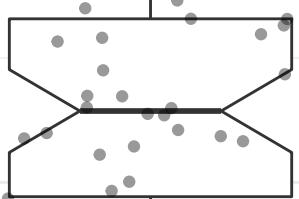
-0.10

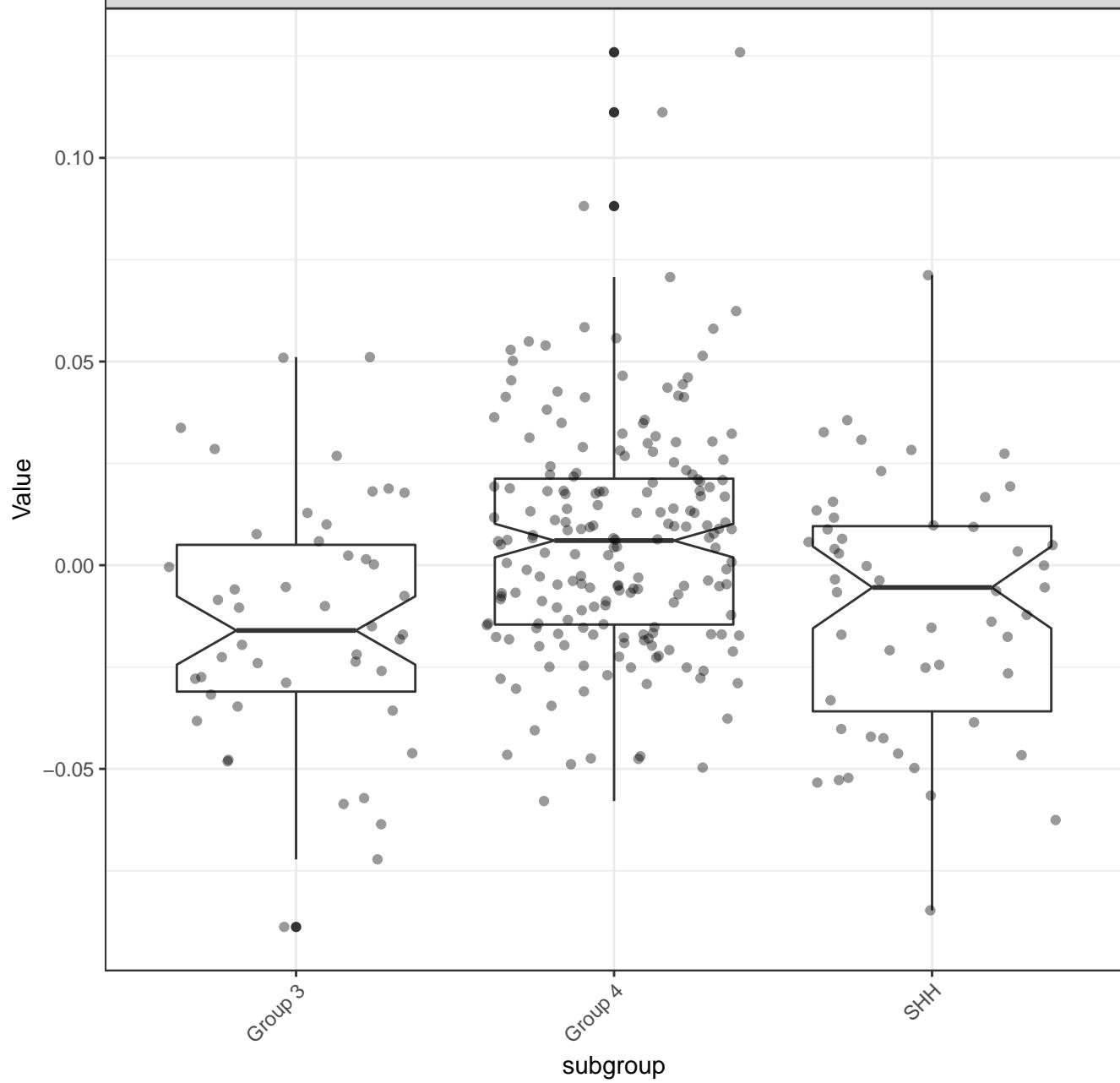
Group₃

Group₄

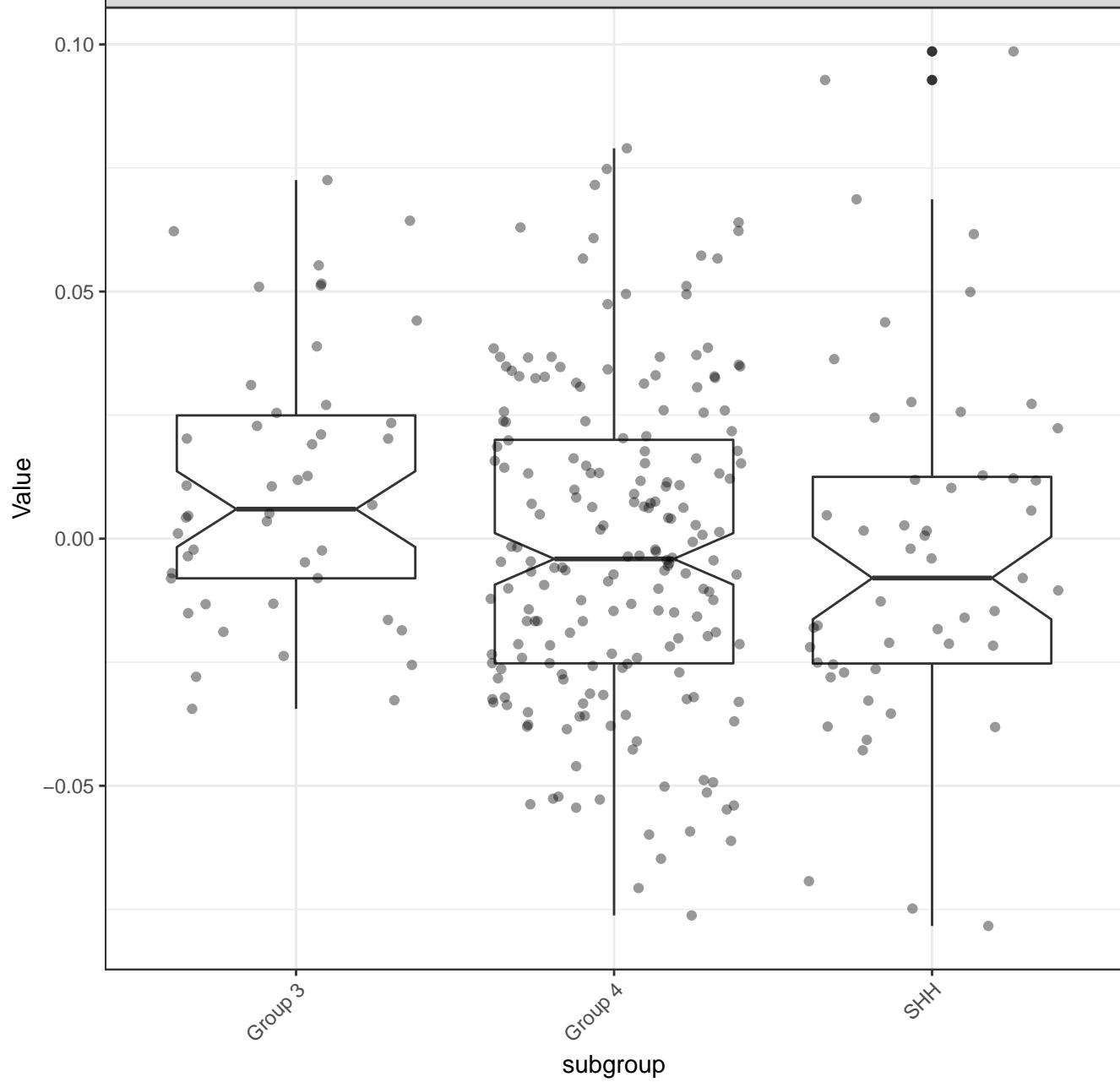
SHH

subgroup





LV 961



LV 962

Value

0.2

0.1

0.0

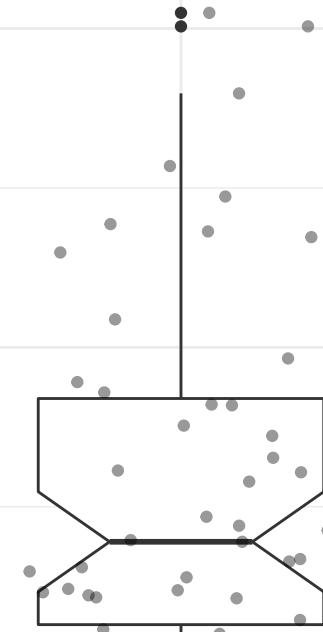
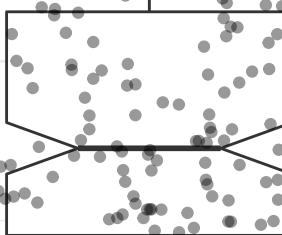
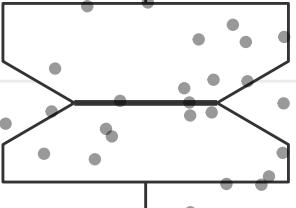
-0.1

Group 3

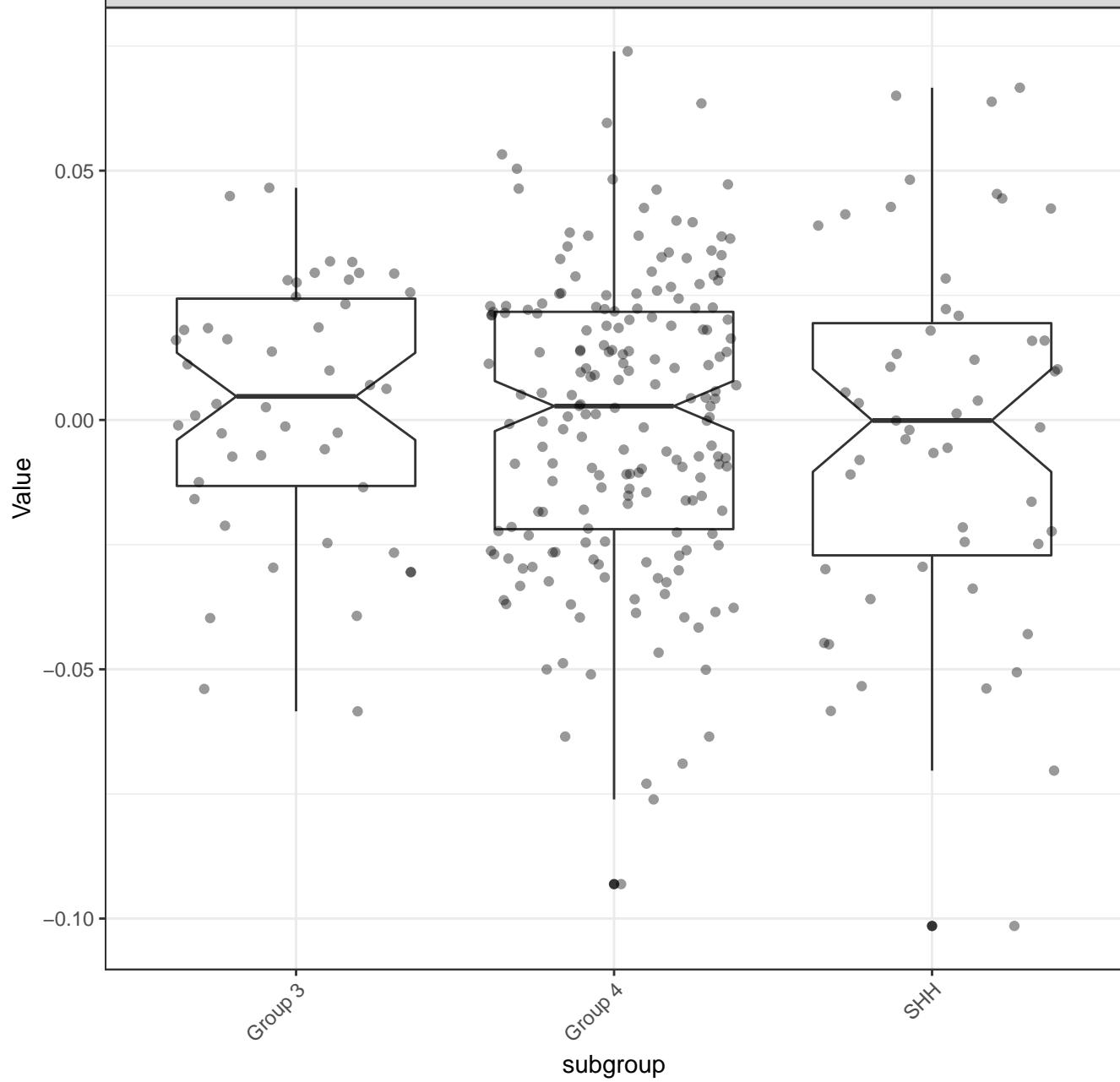
Group 4

SHH

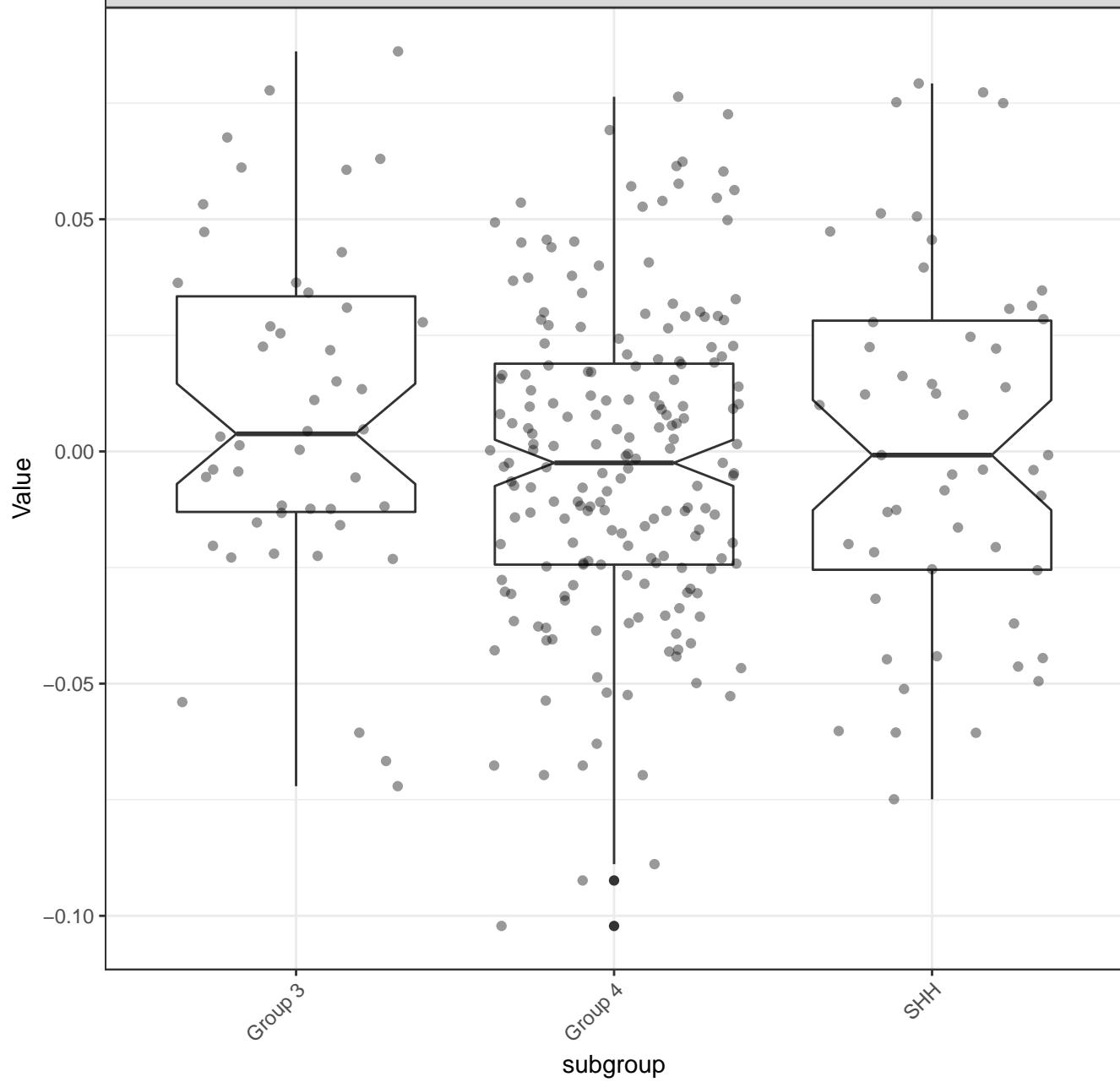
subgroup



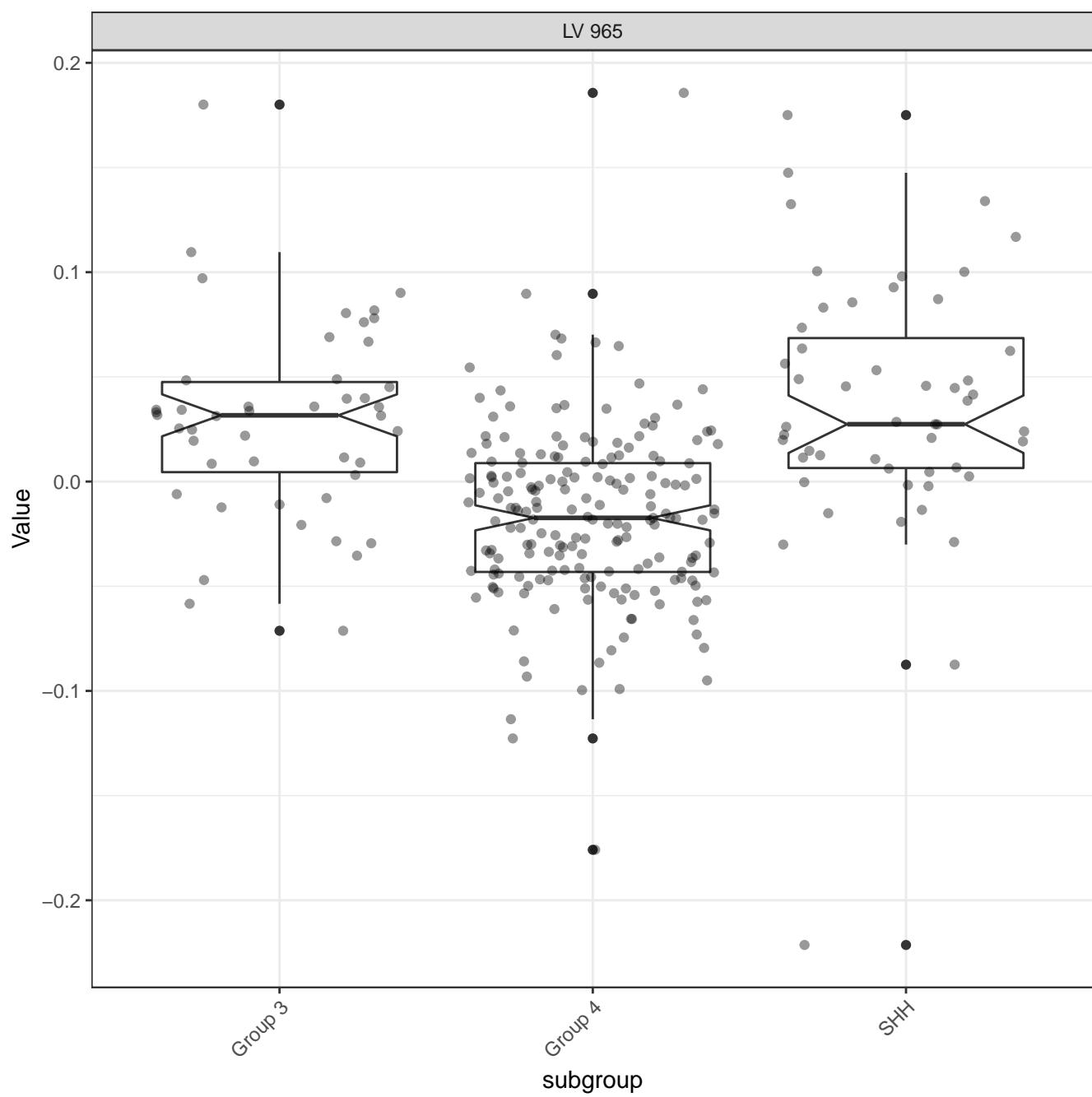
LV 963



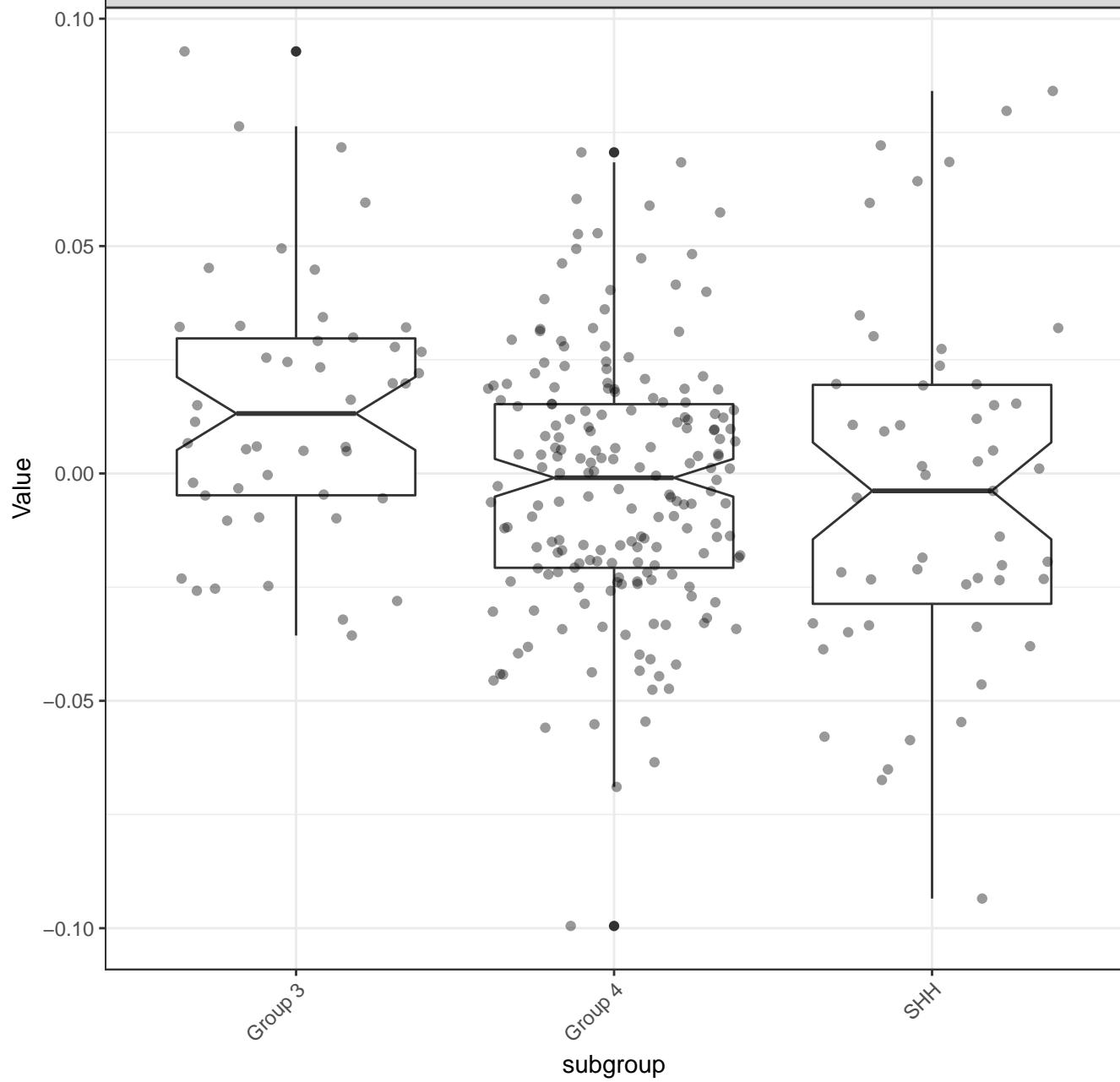
964,SVM T cells CD8



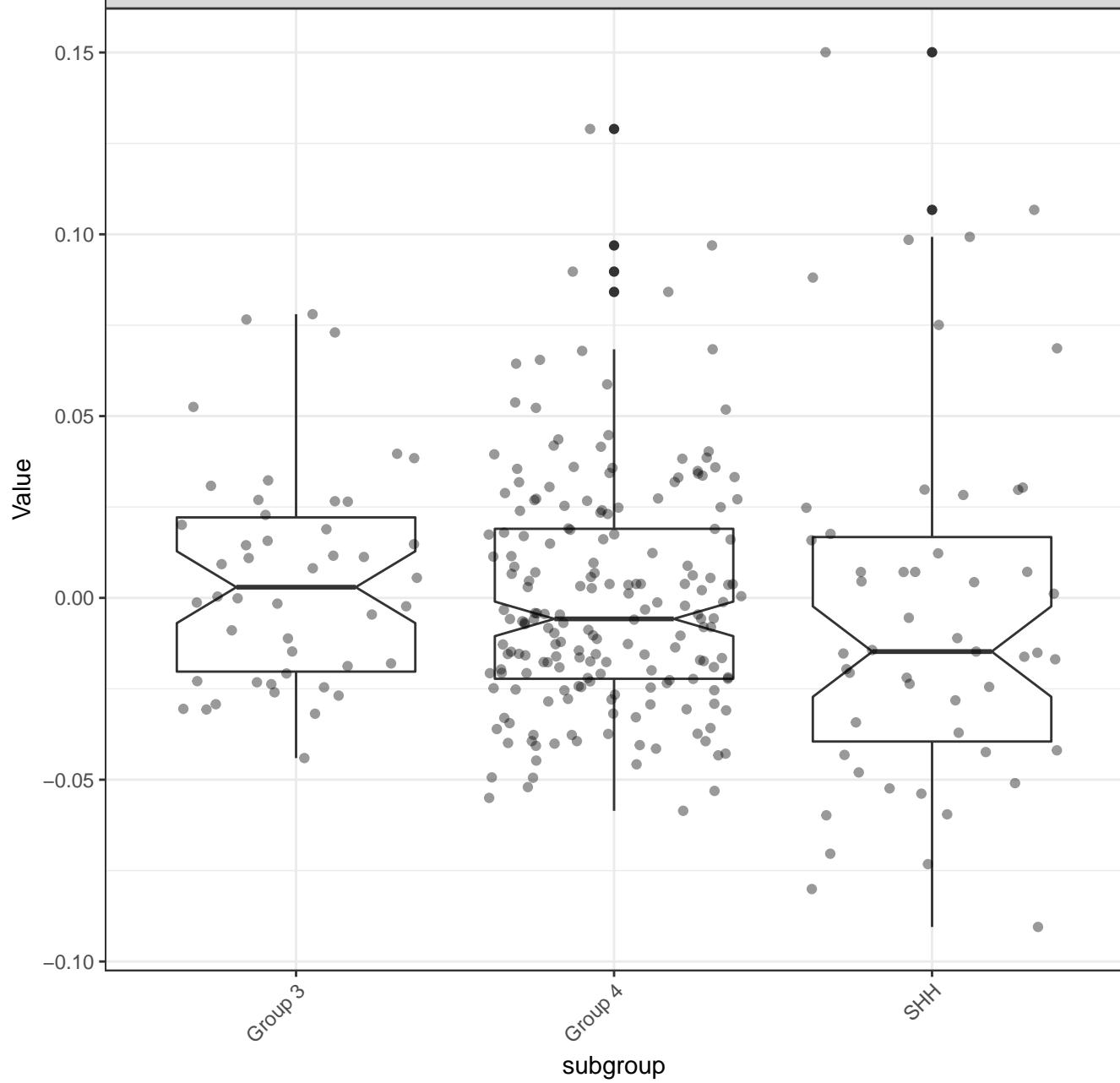
LV 965



LV 966



LV 967



LV 968

Value

Group 3

Group 4

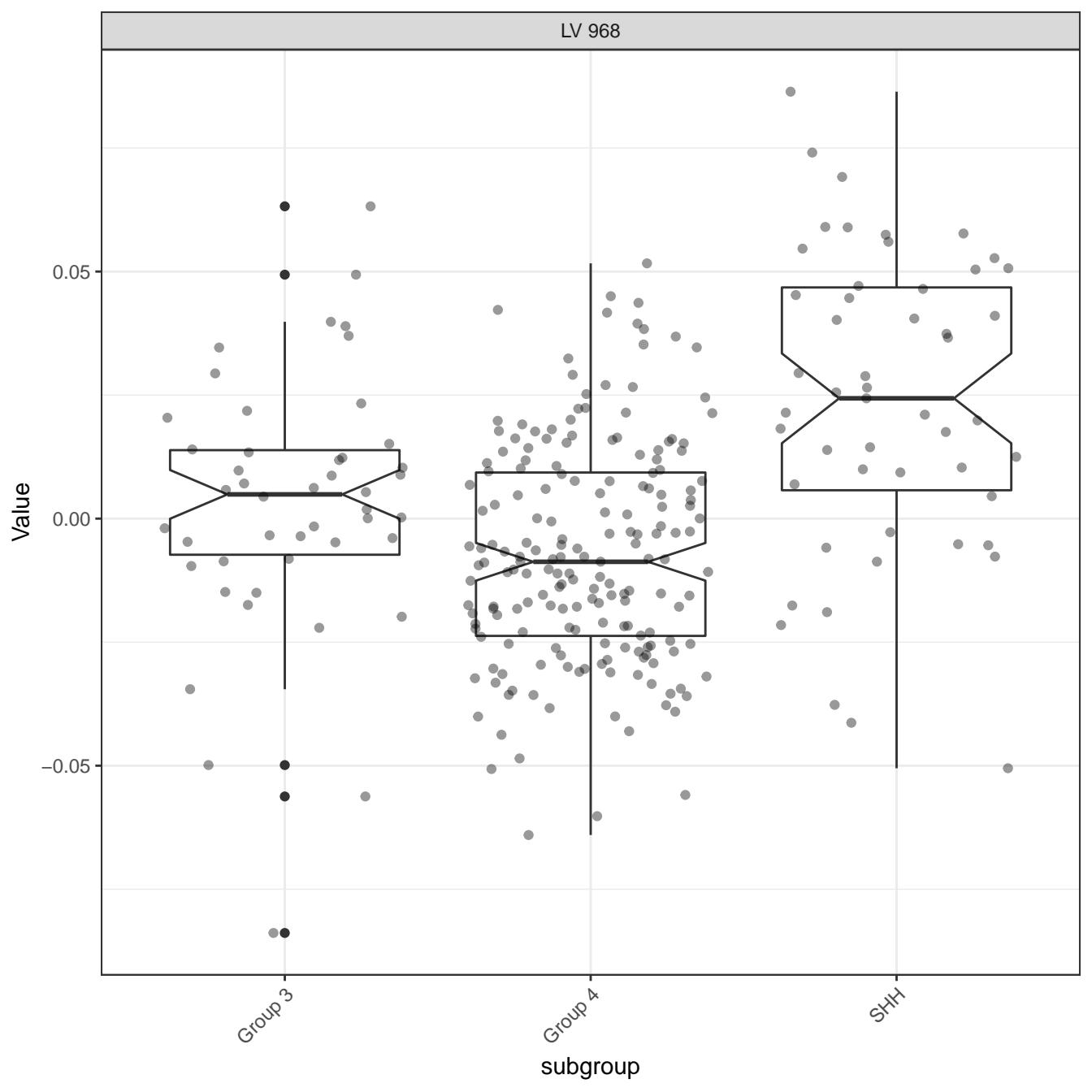
SHH

subgroup

0.05

0.00

-0.05



LV 969

Value

0.10

0.05

0.00

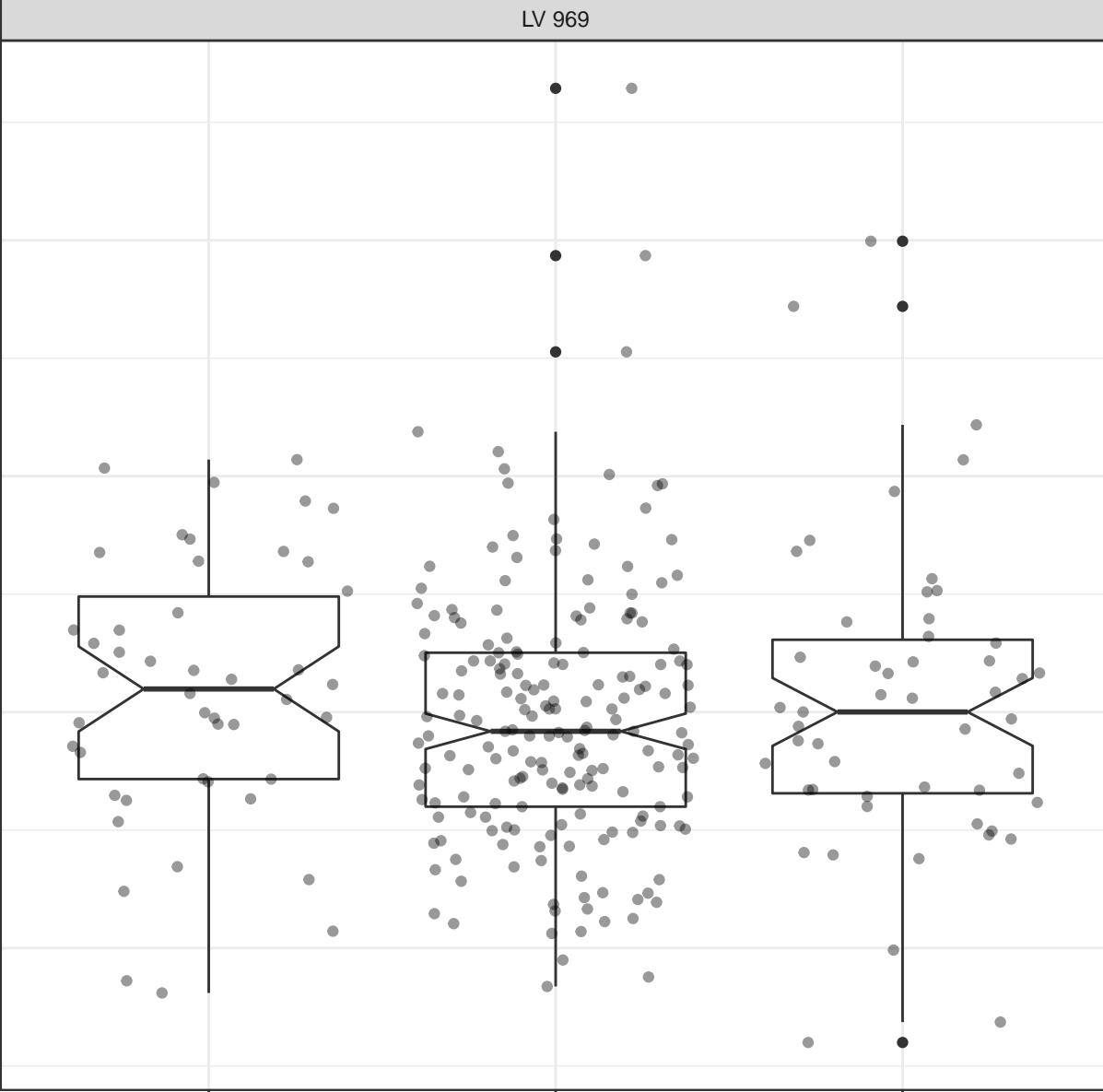
-0.05

Group 3

subgroup

Group 4

SHH



LV 970

Value

0.10

0.05

0.00

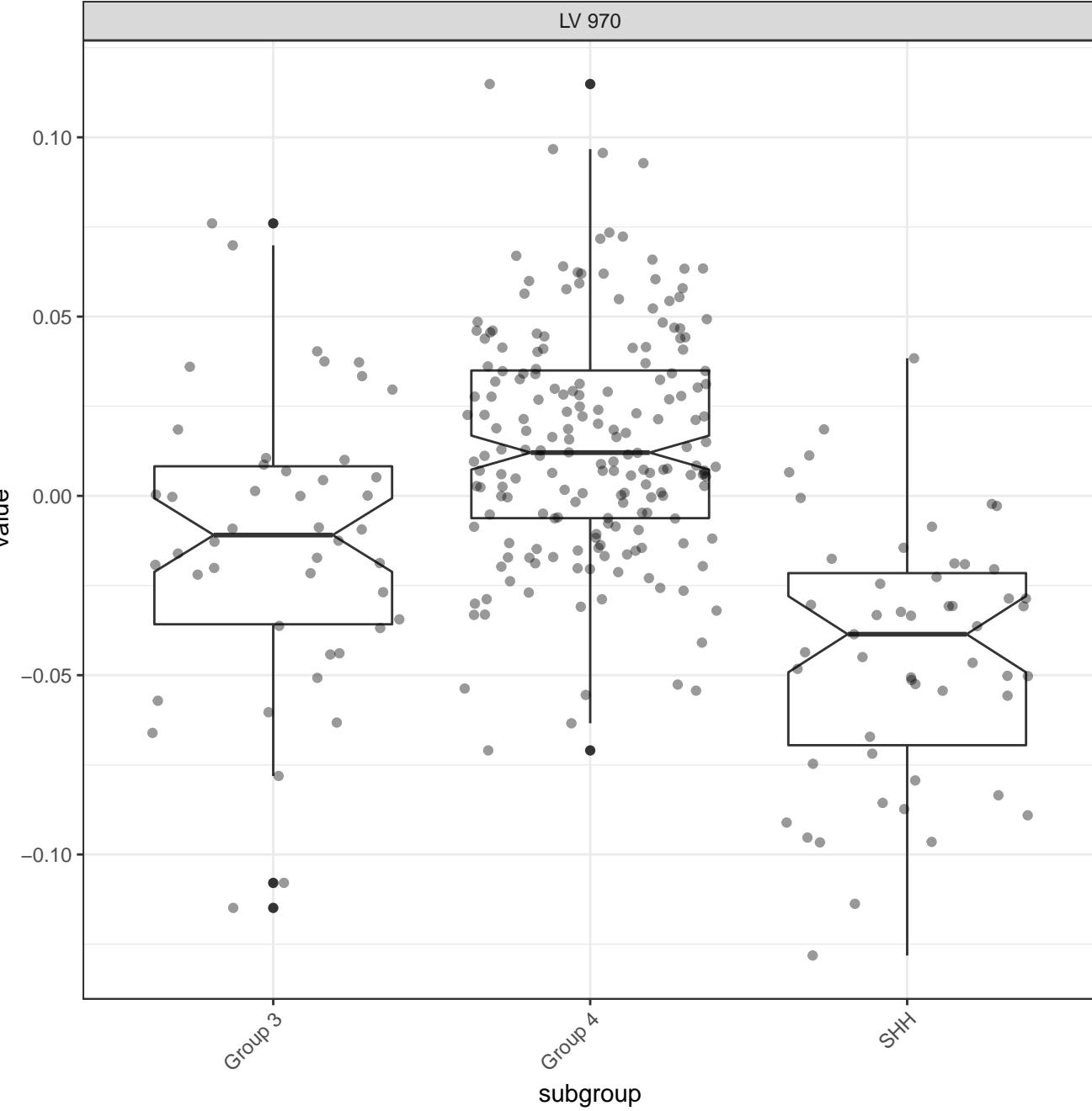
-0.05

-0.10

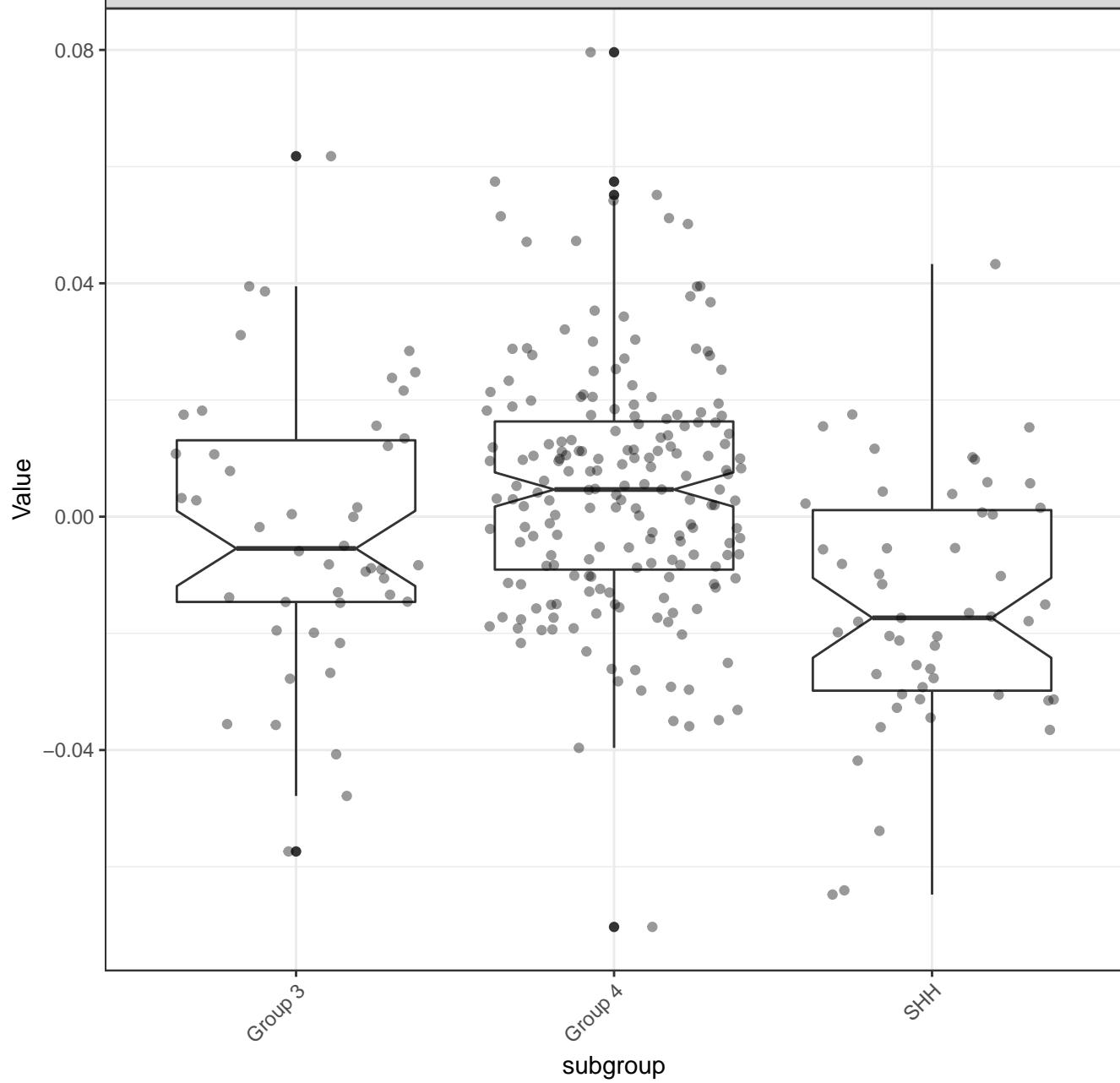
Group 3

subgroup

SHH



LV 971



LV 972

Value

0.10

0.05

0.00

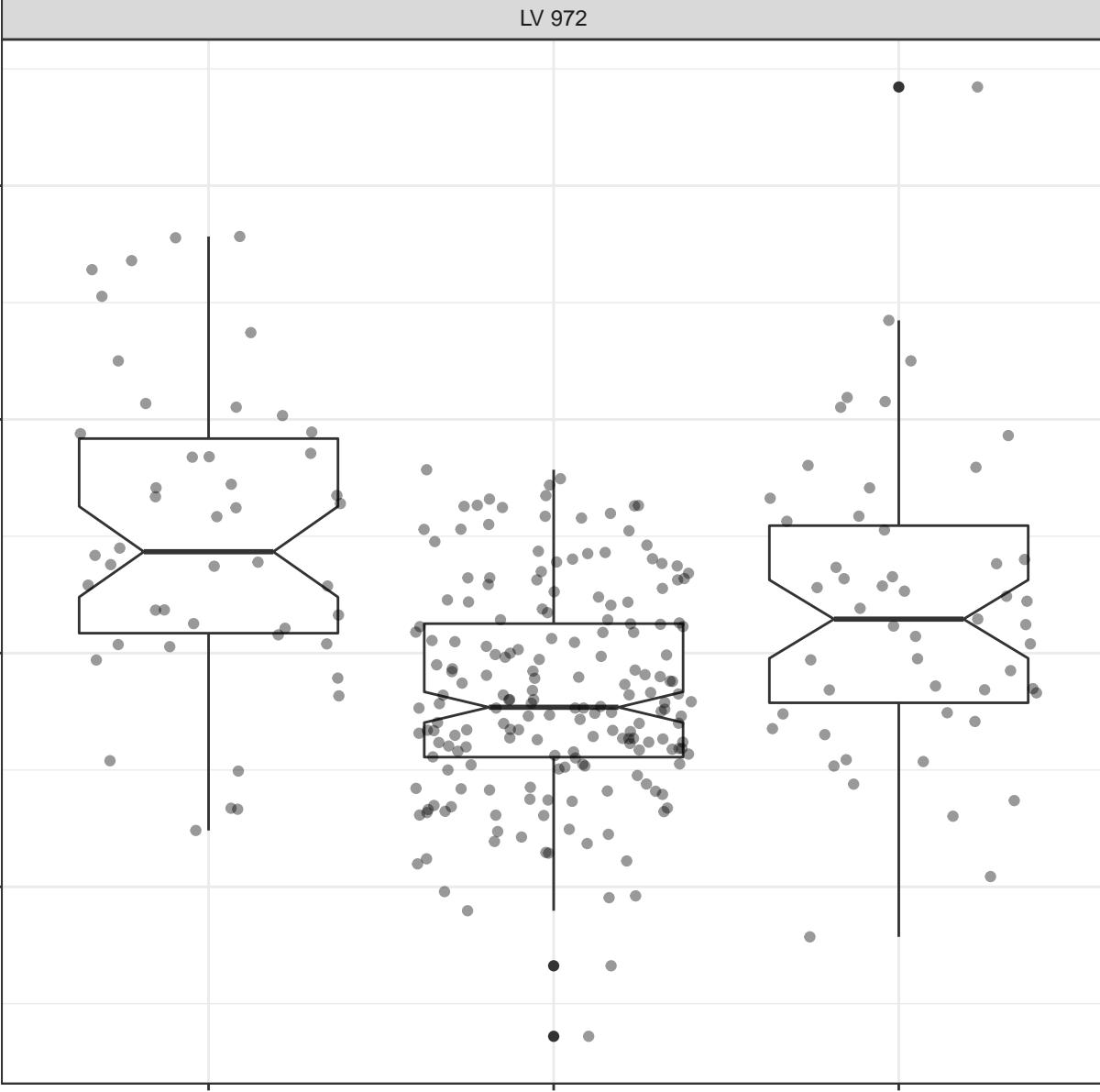
-0.05

Group 3

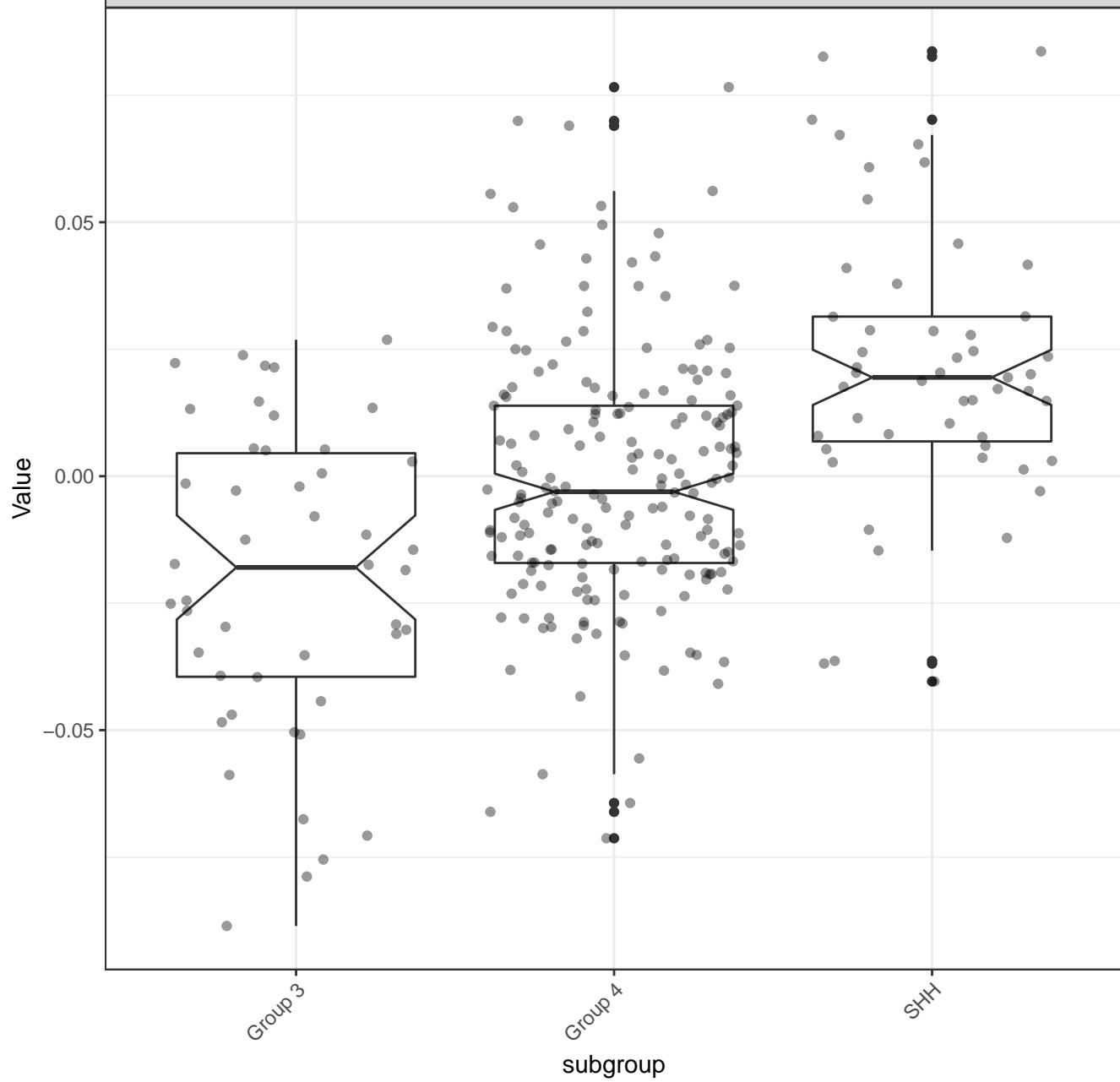
subgroup

Group 4

SHH



LV 973



LV 974

Value

0.2

0.1

0.0

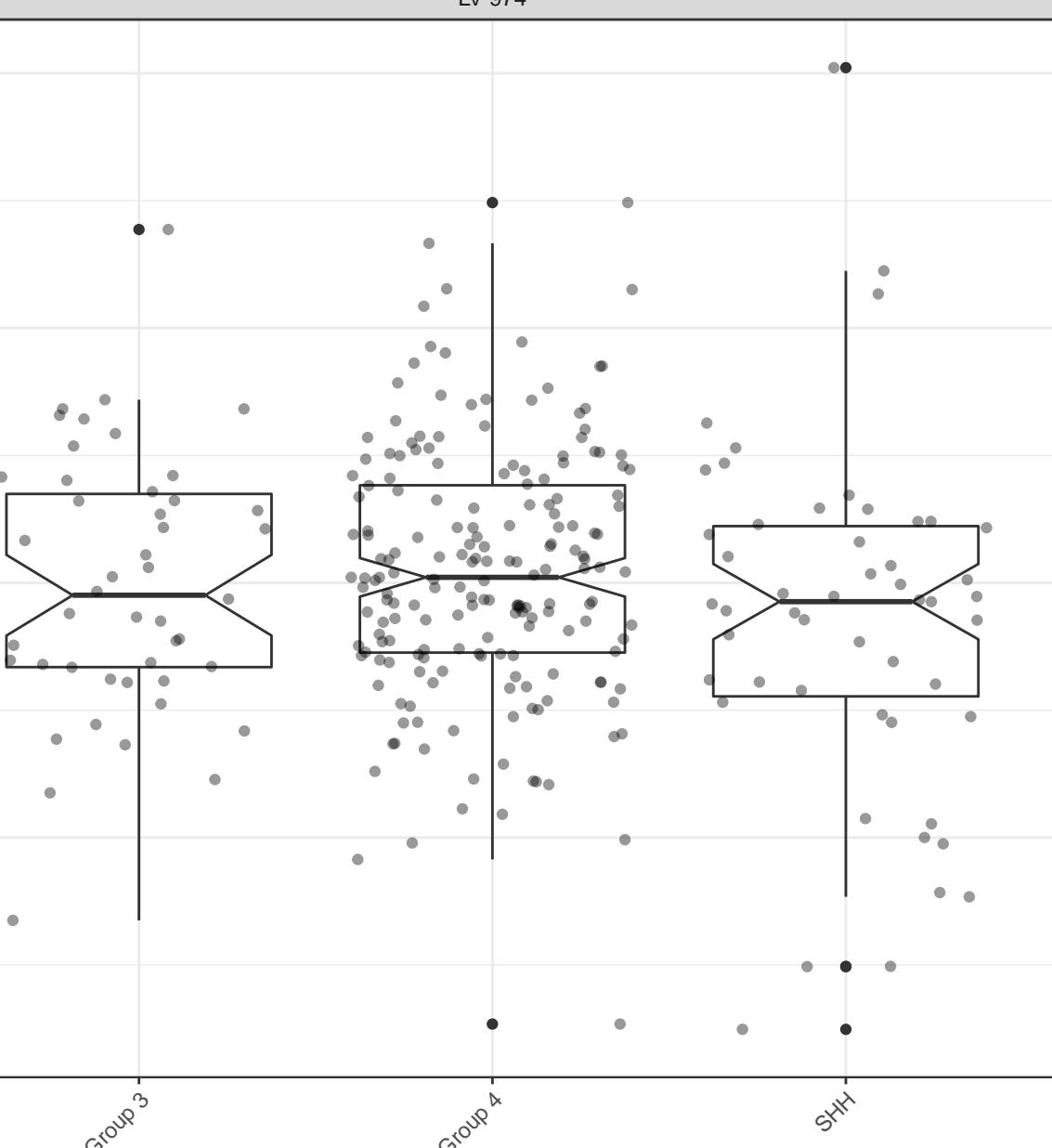
-0.1

Group³

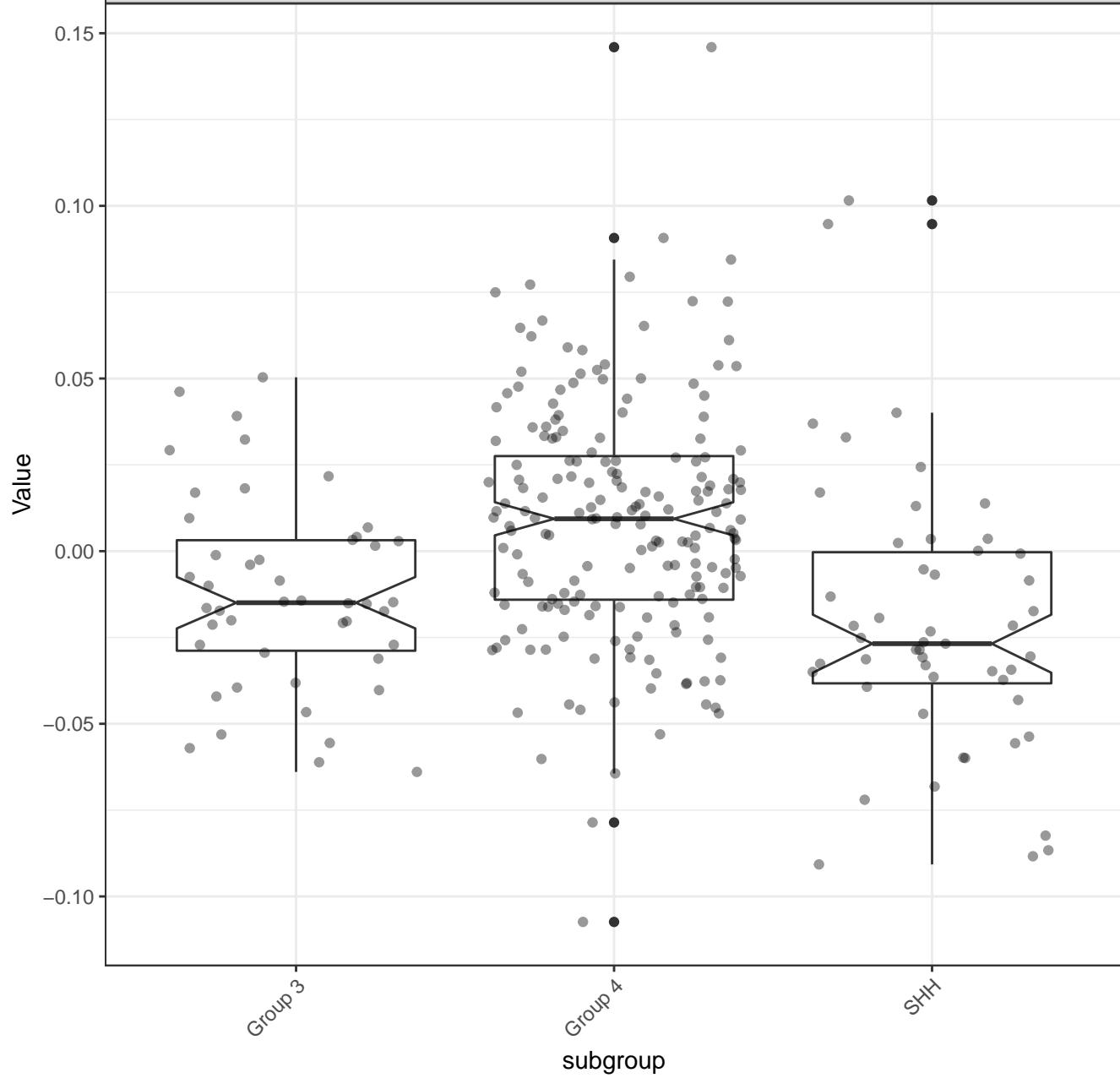
Group⁴

SHH

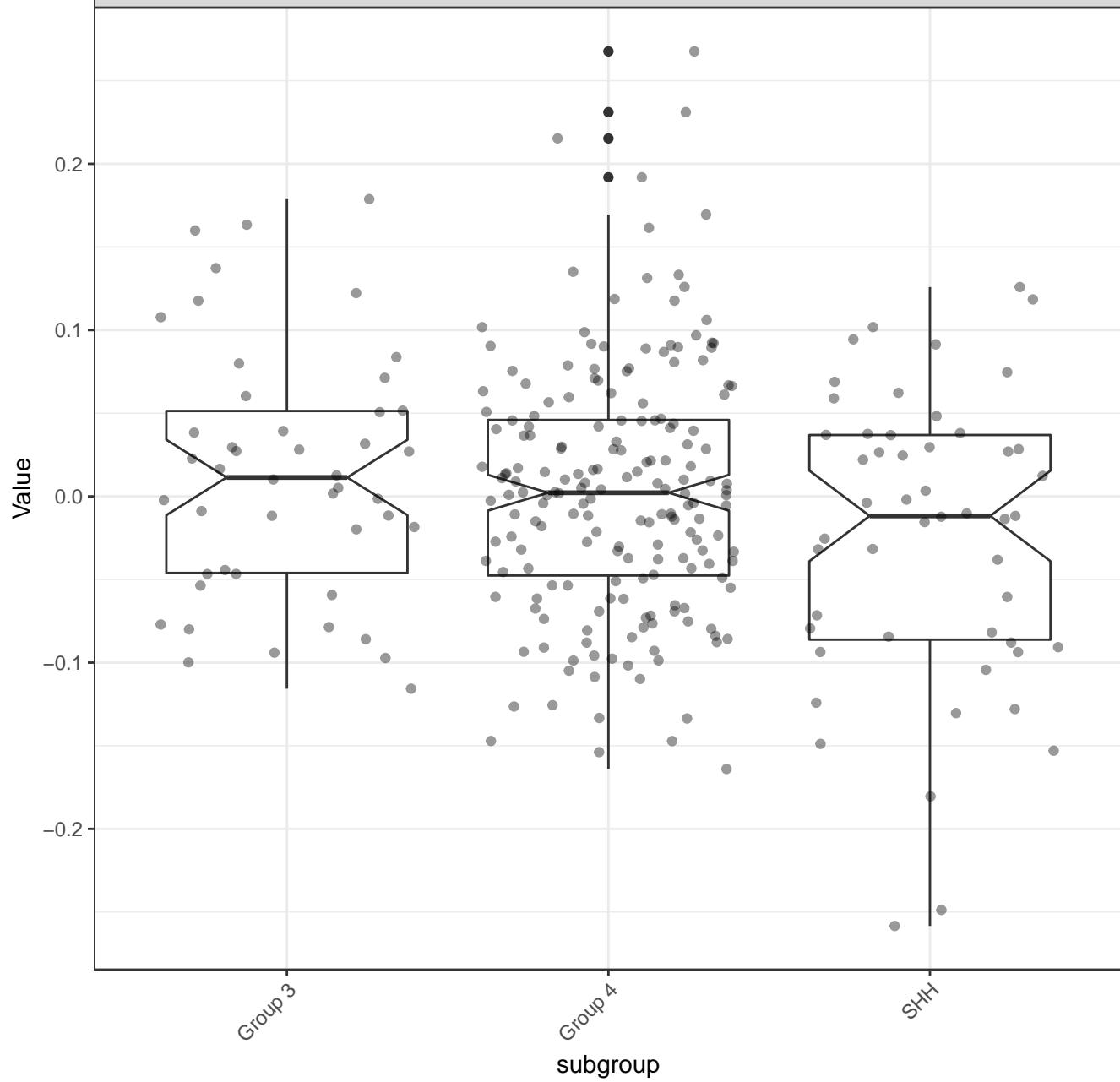
subgroup



975,SVM T cells CD4 memory resting



LV 976



977,SVM B cells naive

Value

0.3

0.2

0.1

0.0

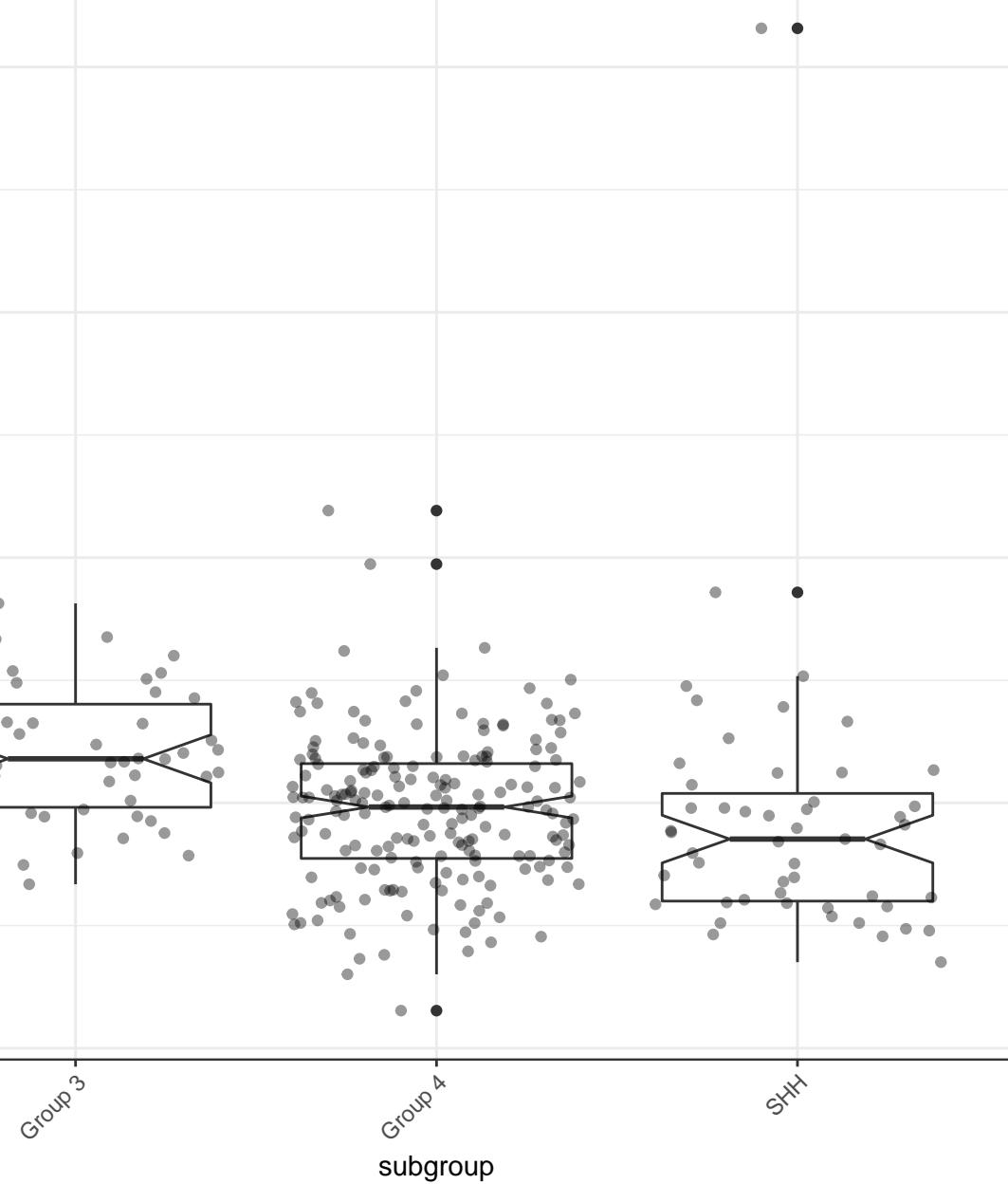
-0.1

Group 3

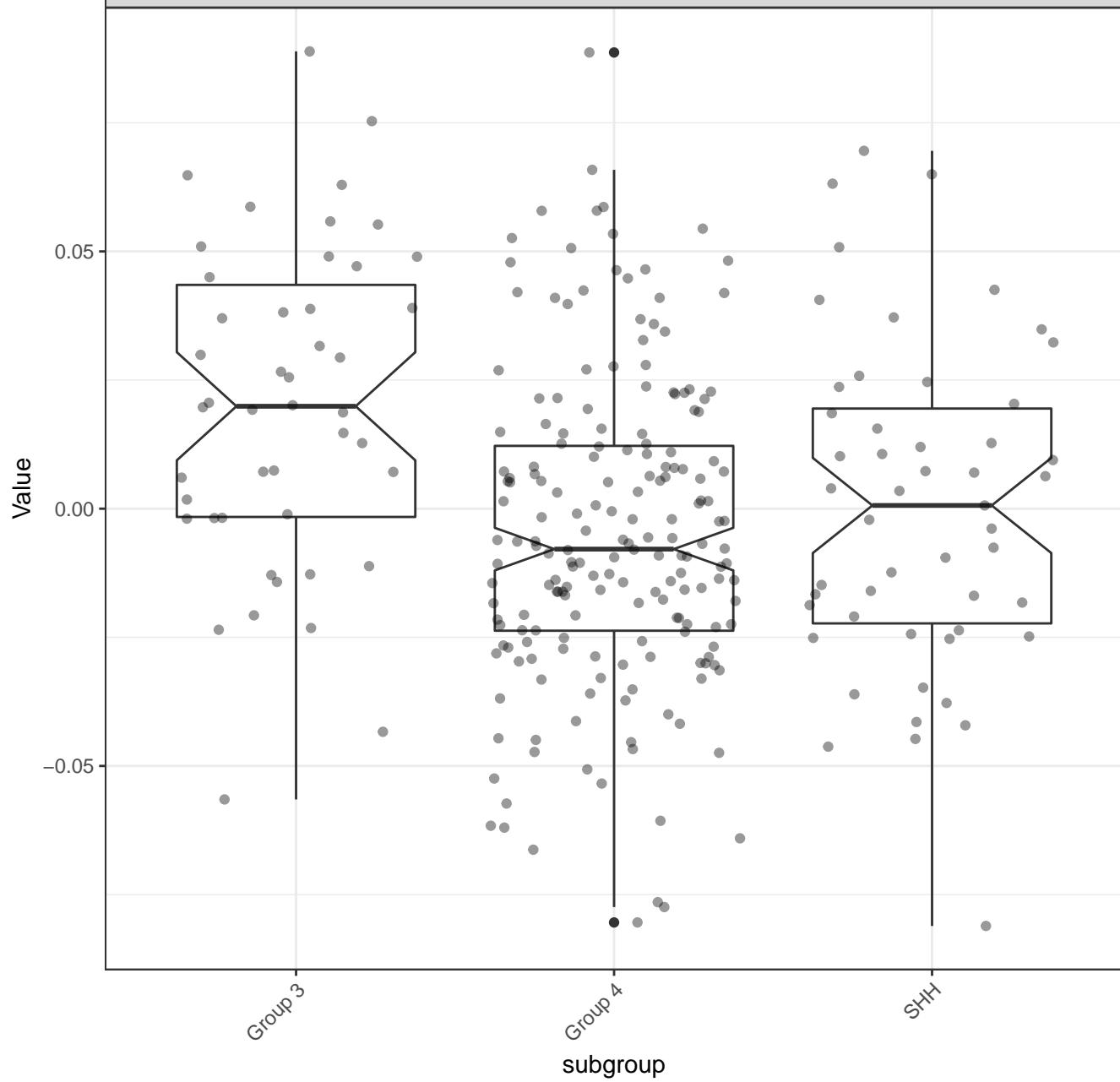
Group 4

SHH

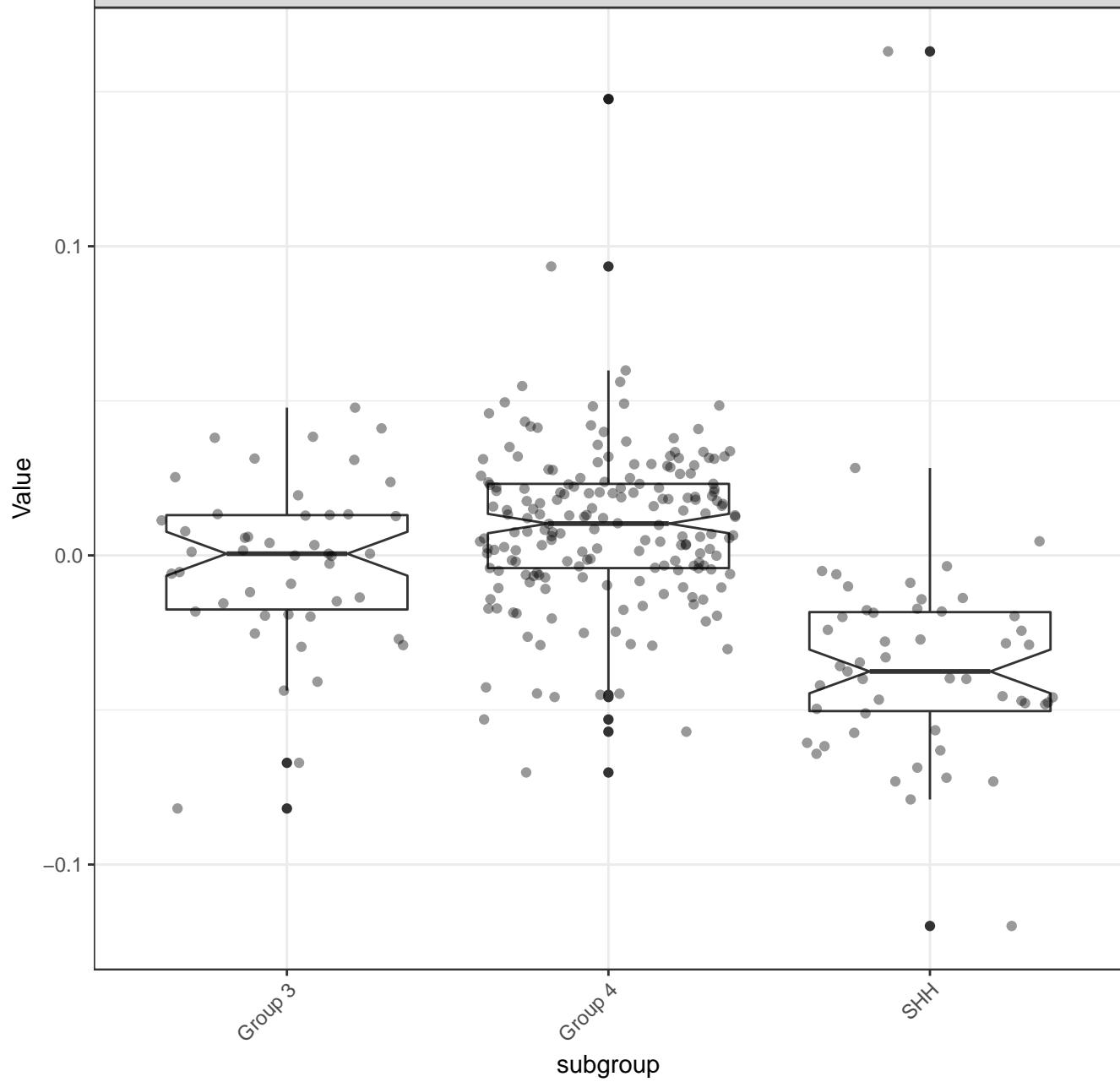
subgroup



LV 978



LV 979



LV 980

Value

0.08

0.04

0.00

-0.04

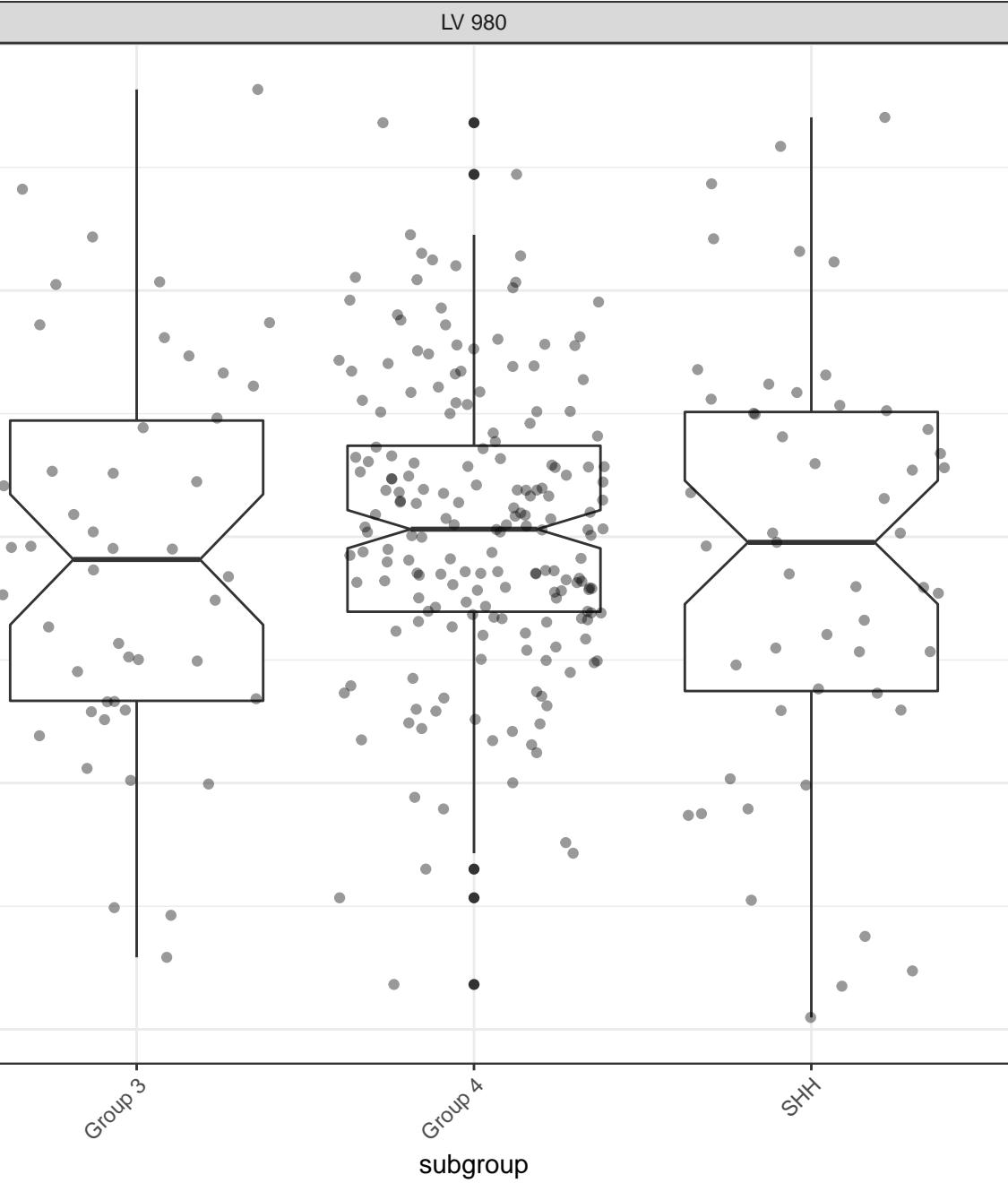
-0.08

Group 3

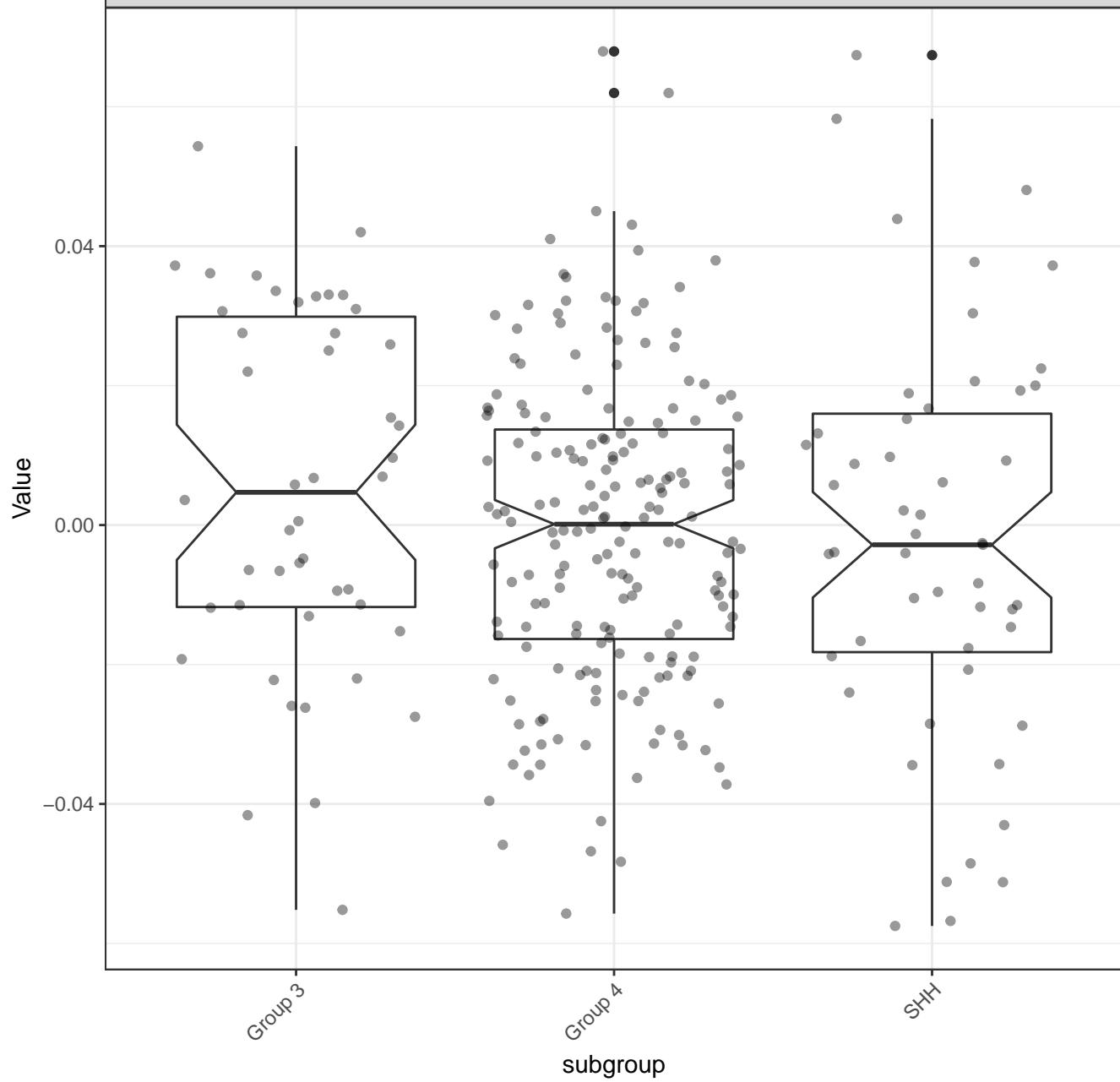
subgroup

Group 4

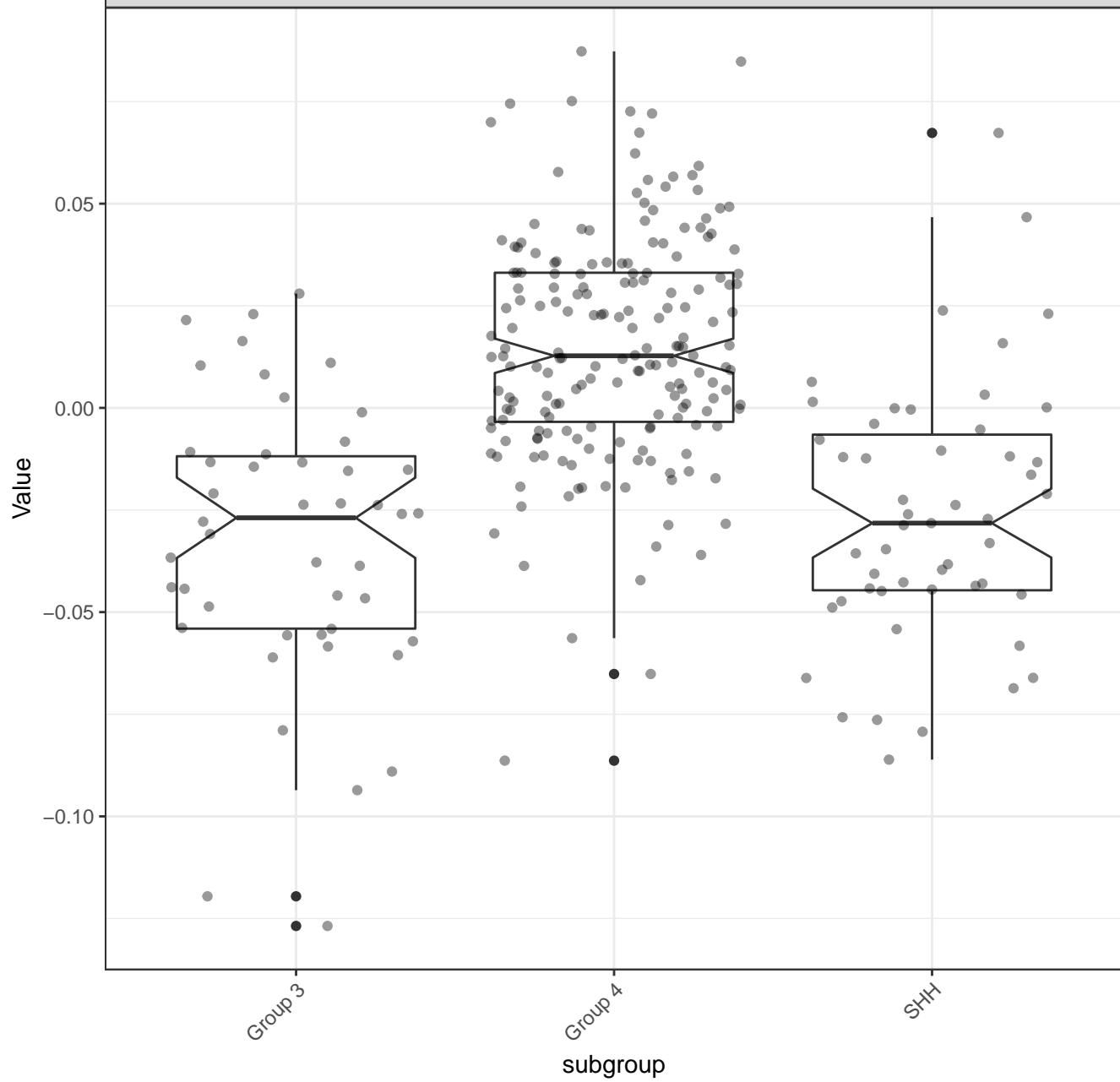
SHH



LV 981



LV 982



LV 983

Value

0.05

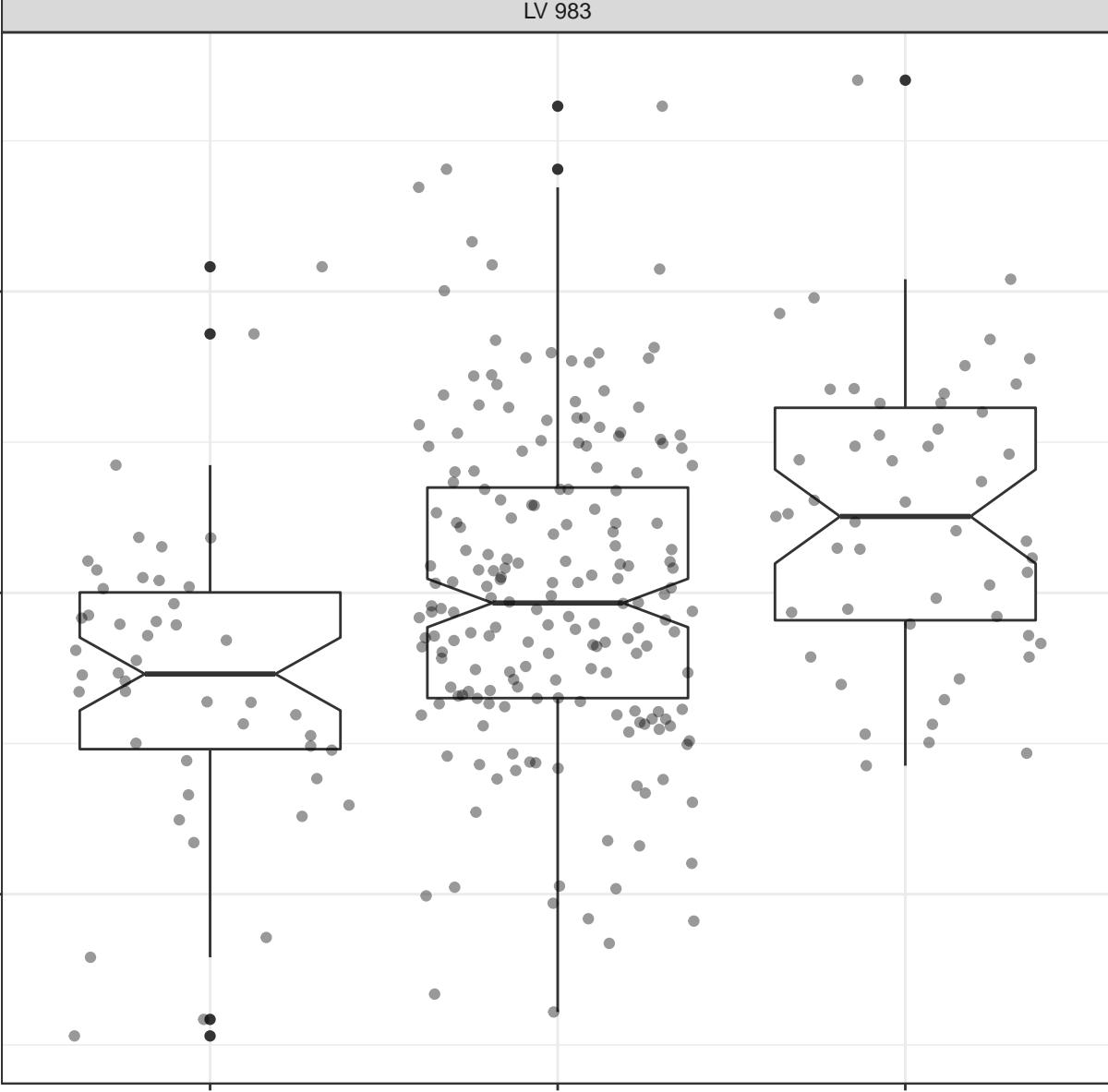
0.01

-0.05

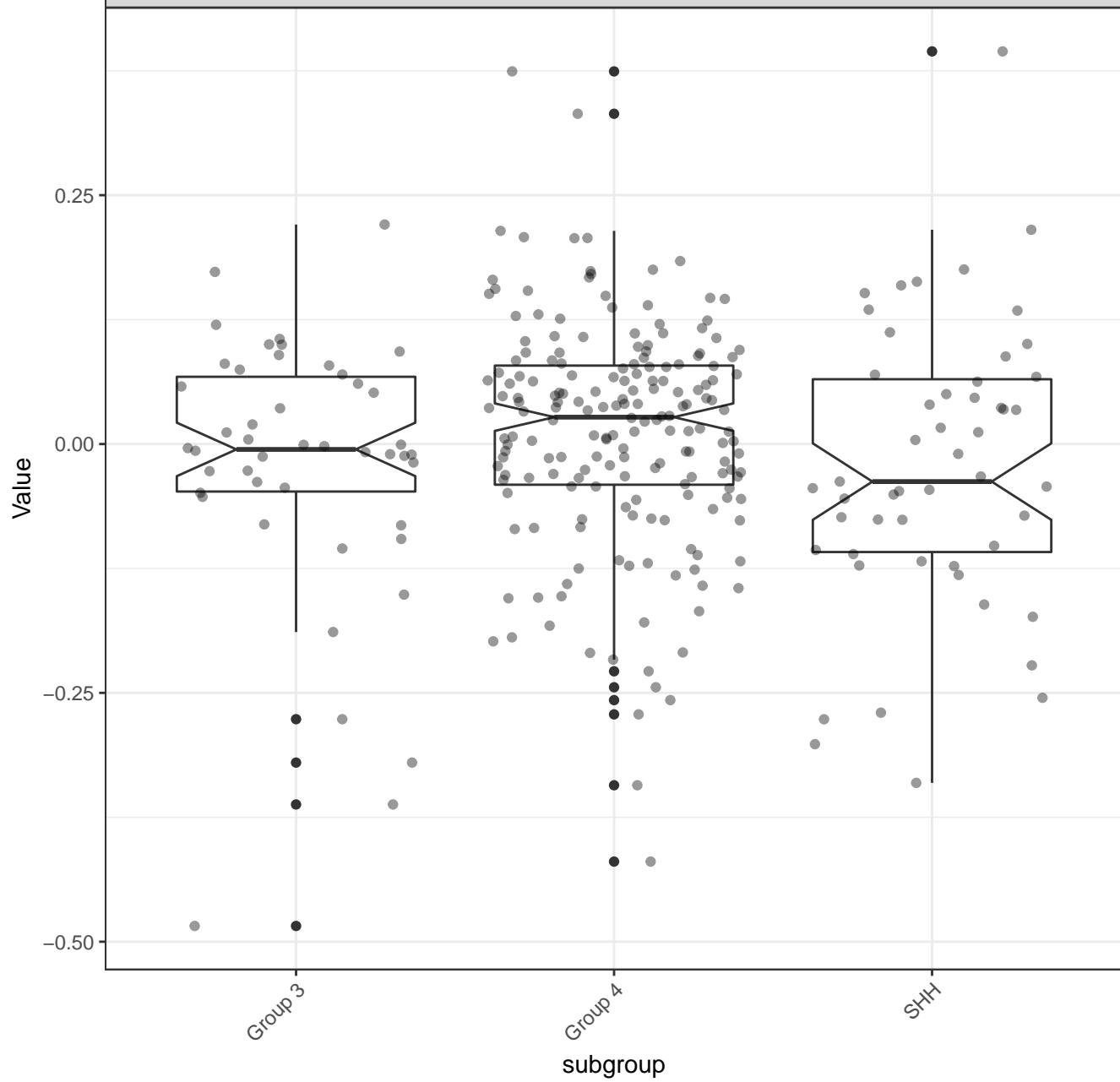
Group 3

subgroup

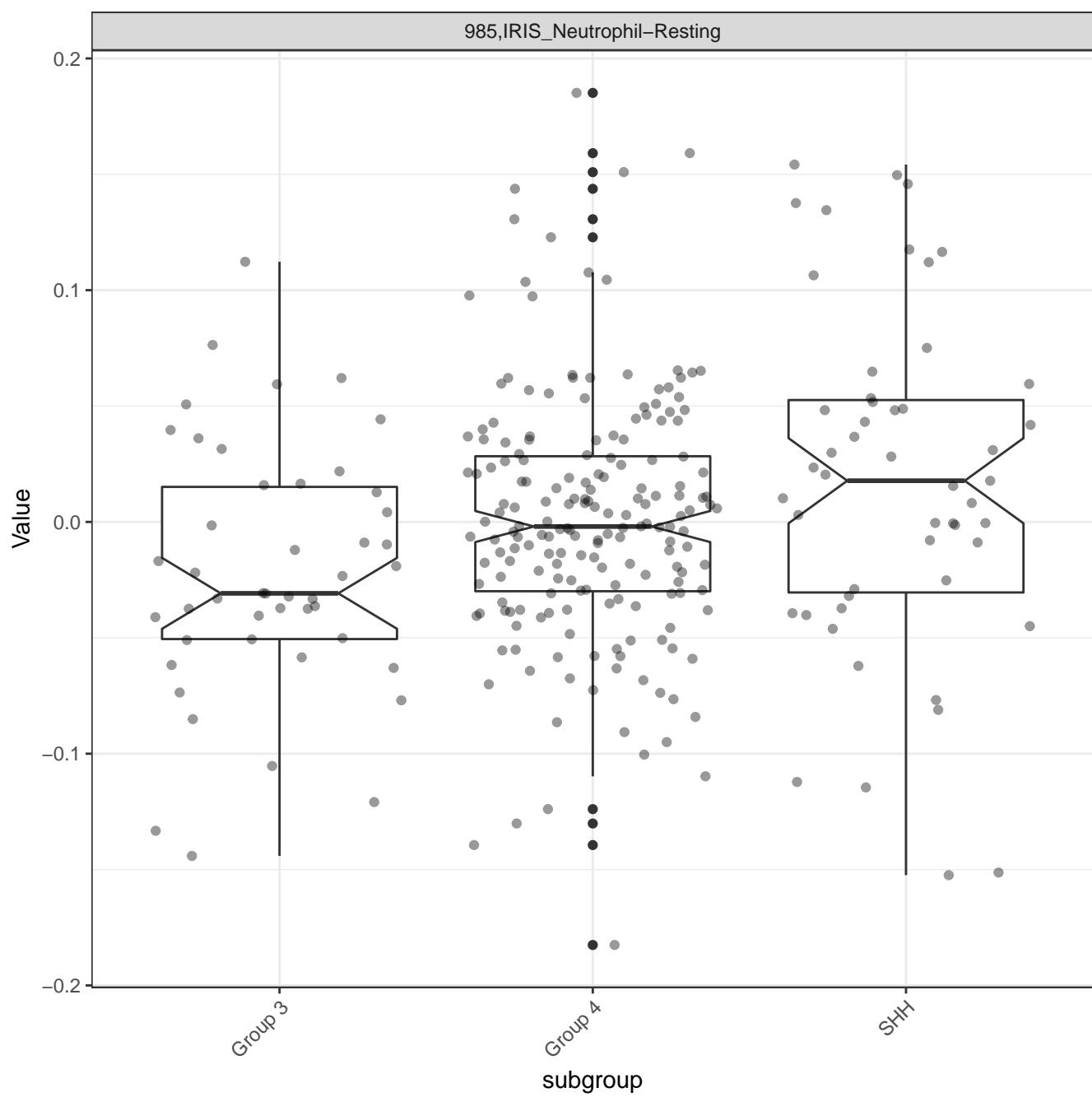
SHH



LV 984



985,IRIS_Neutrophil–Resting



LV 986

Value

0.2

0.1

0.0

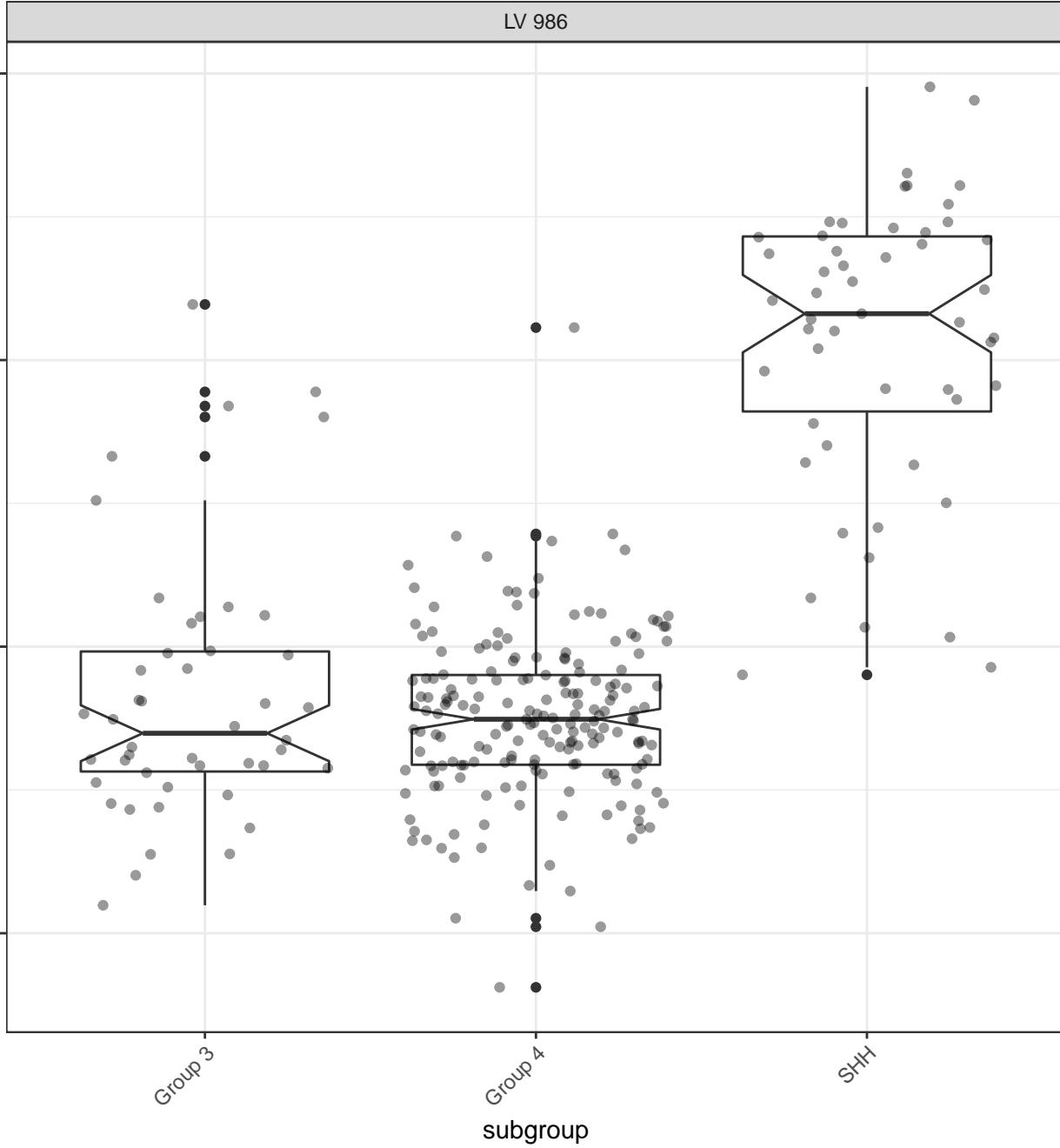
-0.1

Group 3

Group 4

SHH

subgroup



LV 987

Value

