

1,REACTOME_MRNA_SPLICING

Value

0.4

0.2

0.0

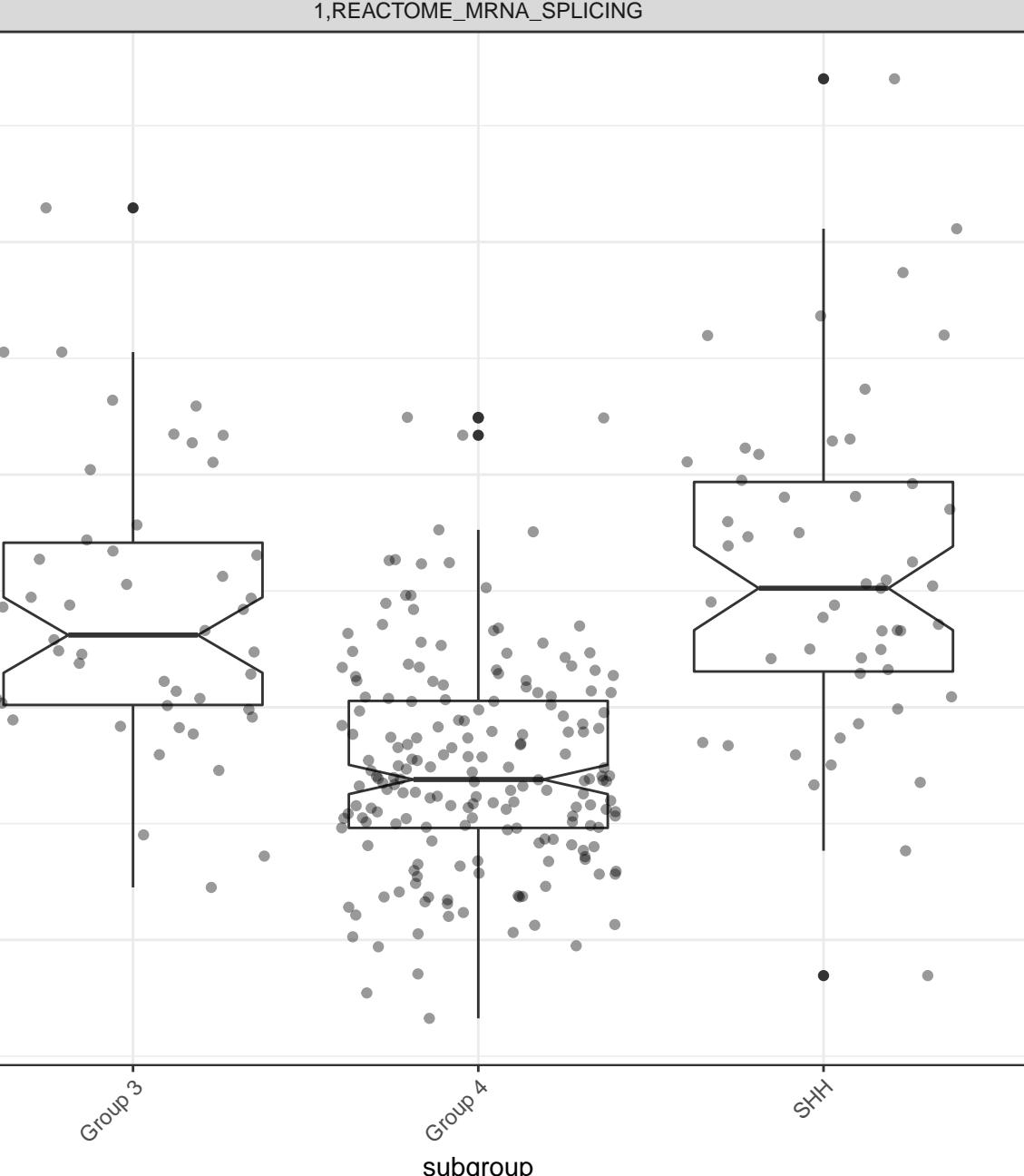
-0.2

Group 3

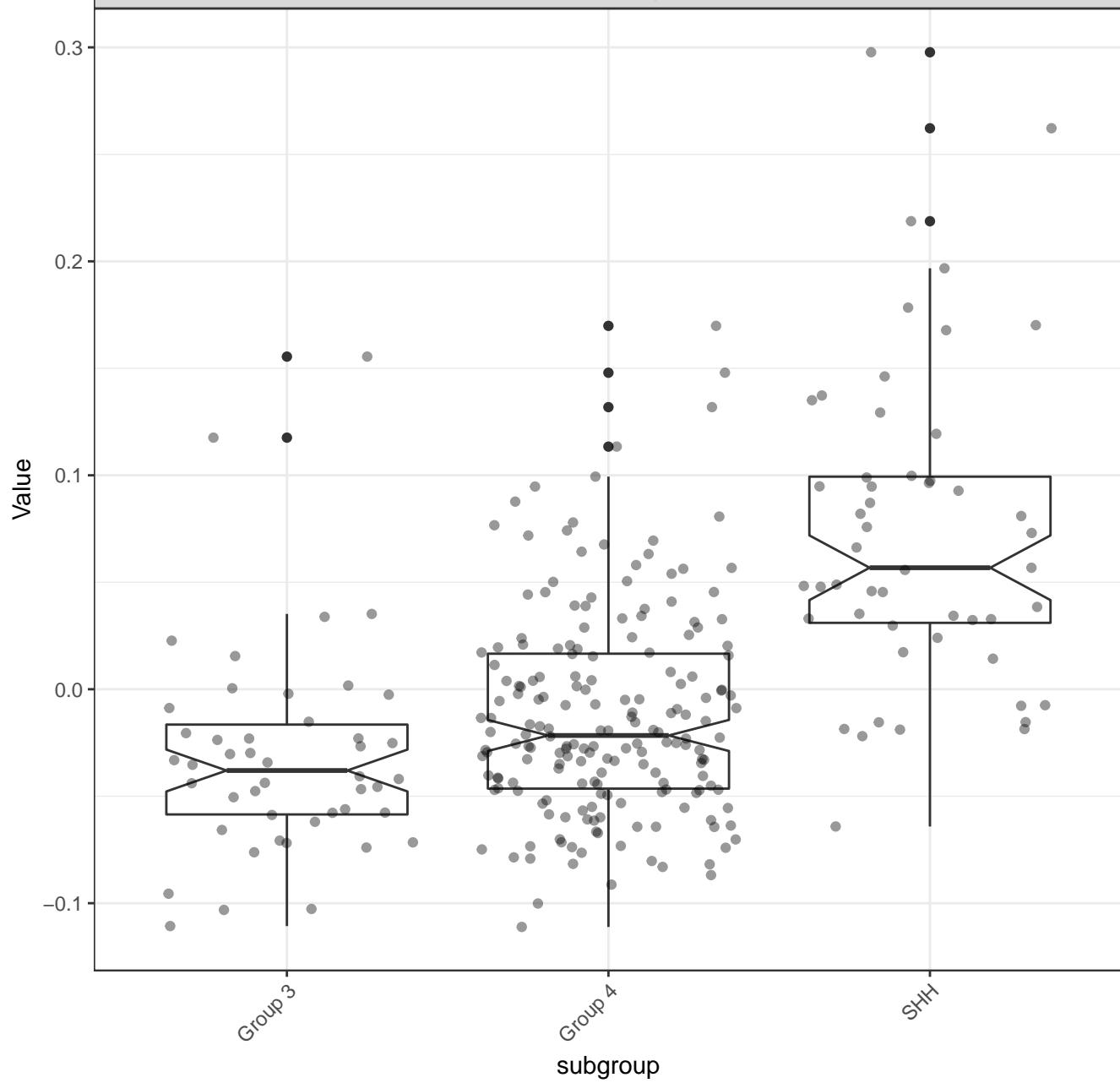
Group 4

SHH

subgroup



2,SVM Monocytes



3,REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES

Value

0.4

0.2

0.0

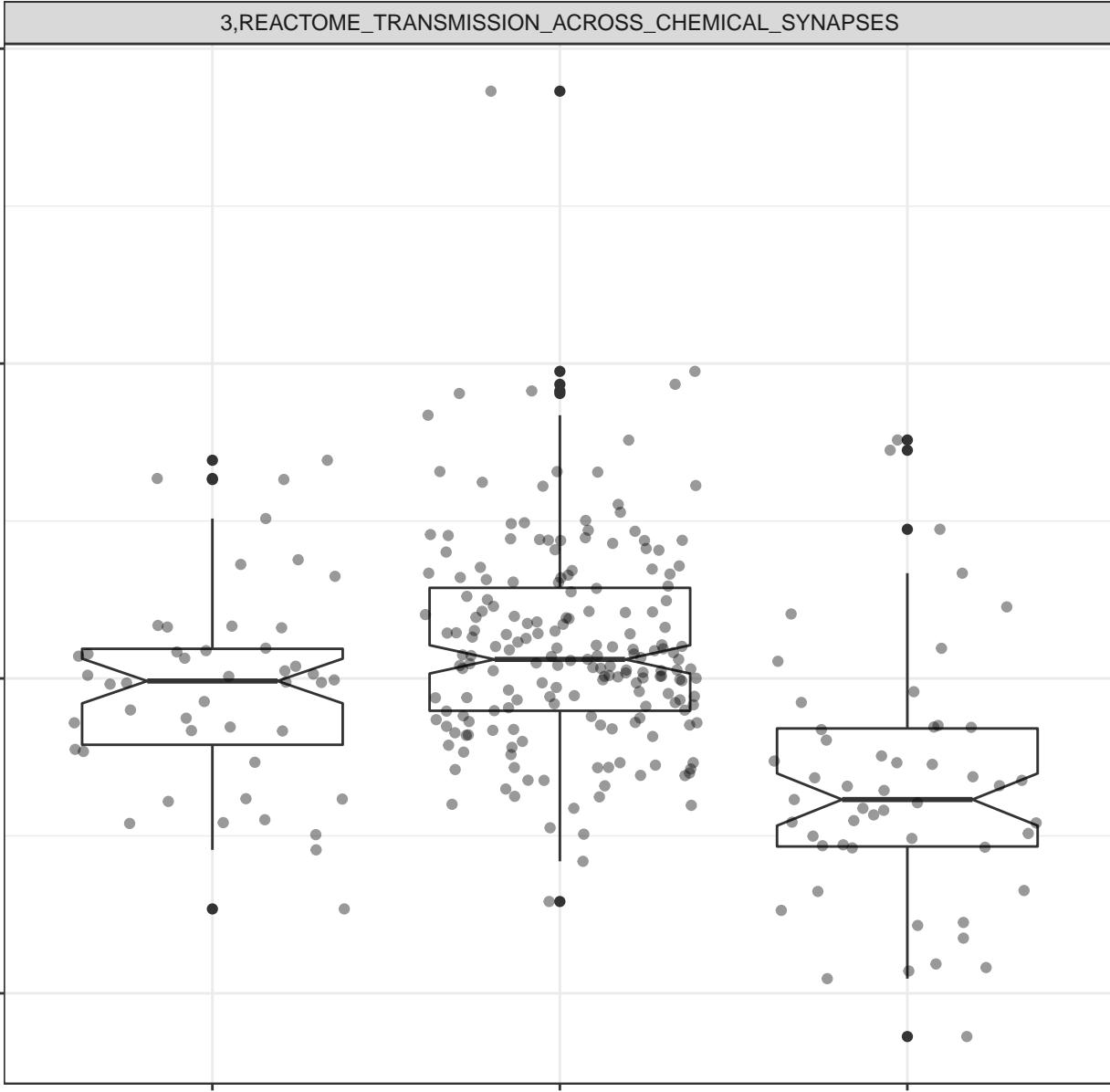
-0.2

Group 3

Group 4

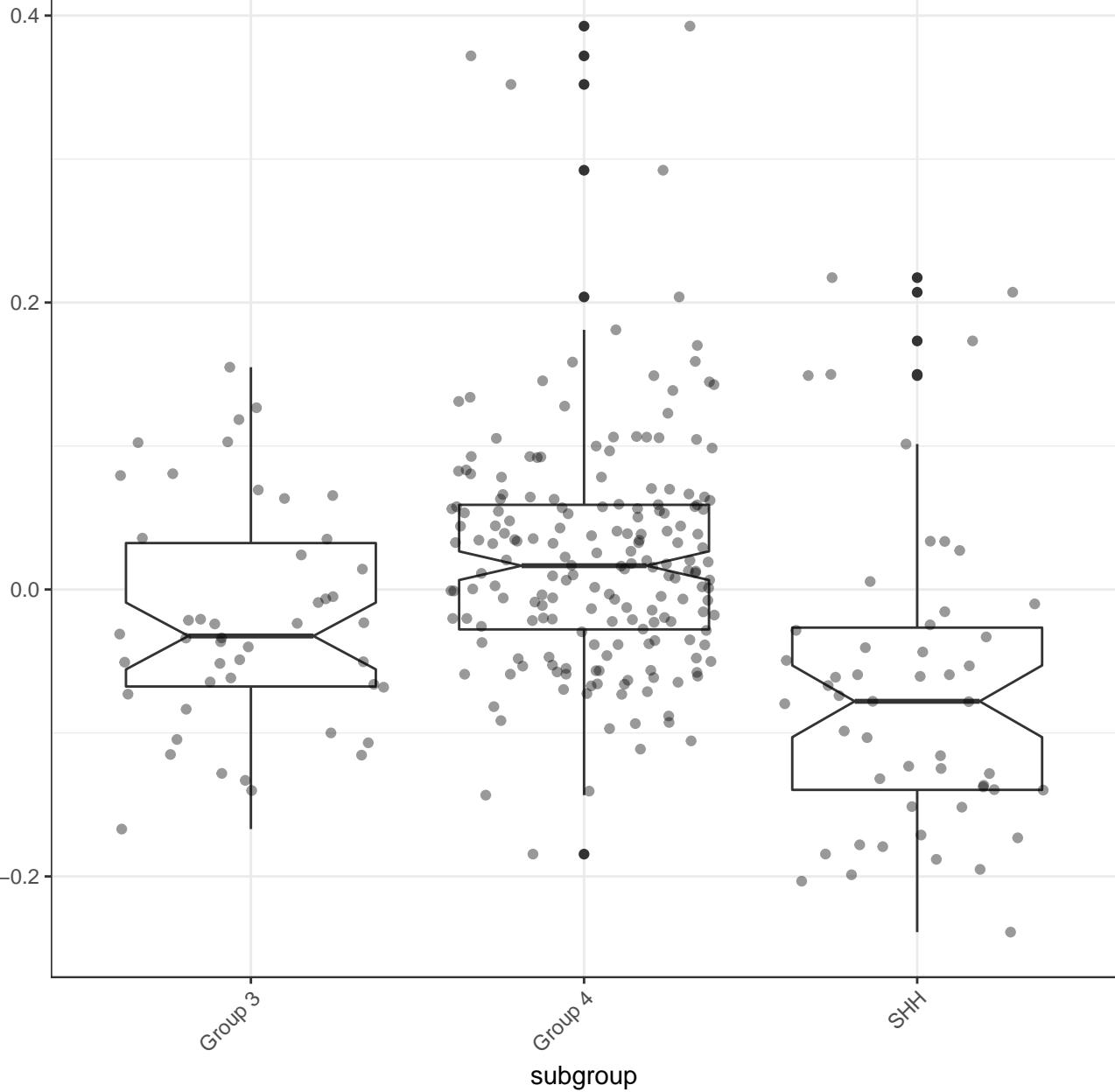
SHH

subgroup



4,REACTOME_NEURONAL_SYSTEM

Value



LV 5

Value

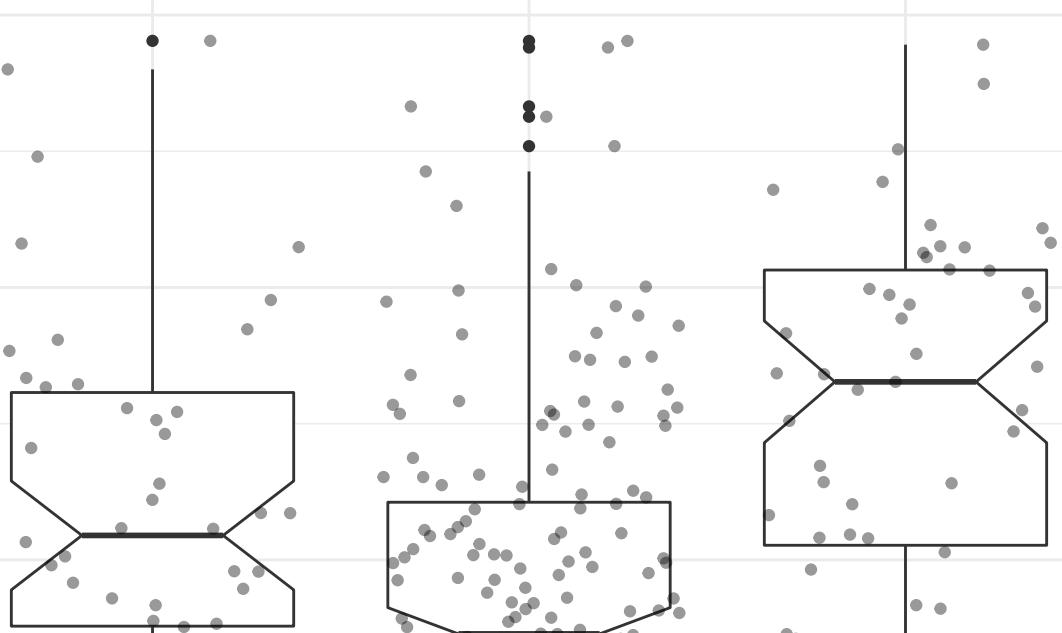
0.06
0.03
0.00
-0.03
-0.06

Group 3

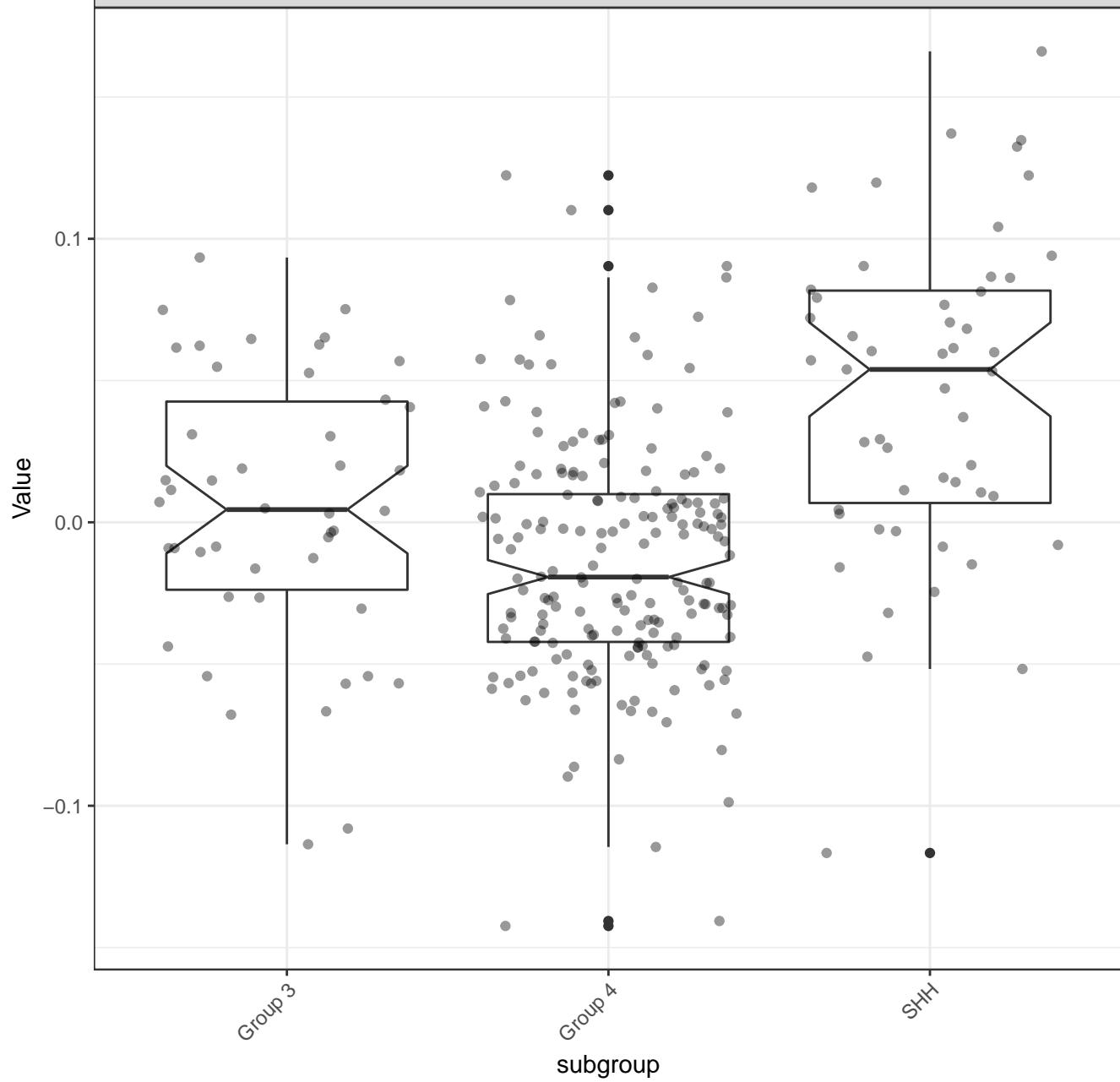
Group 4

SHH

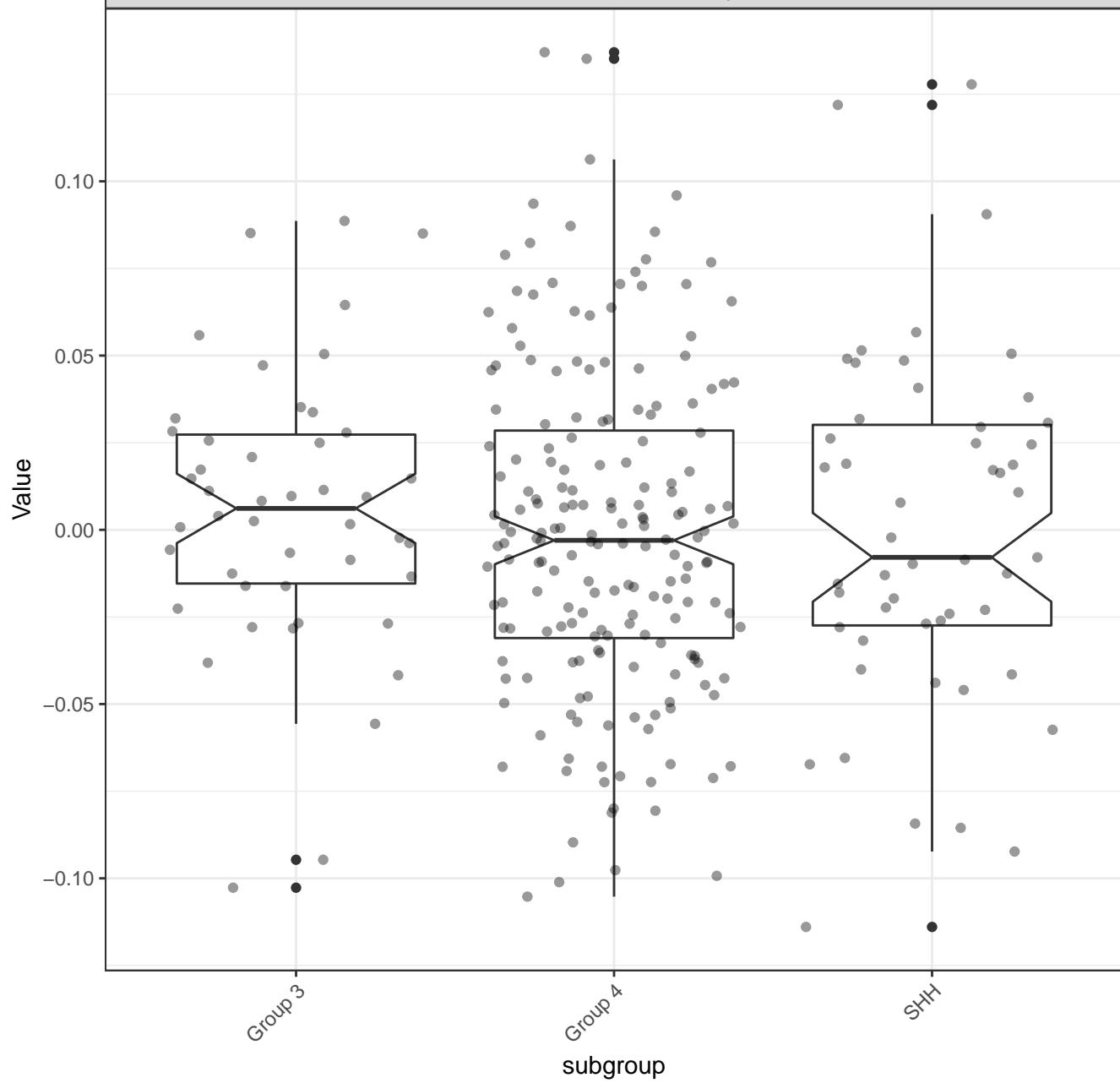
subgroup



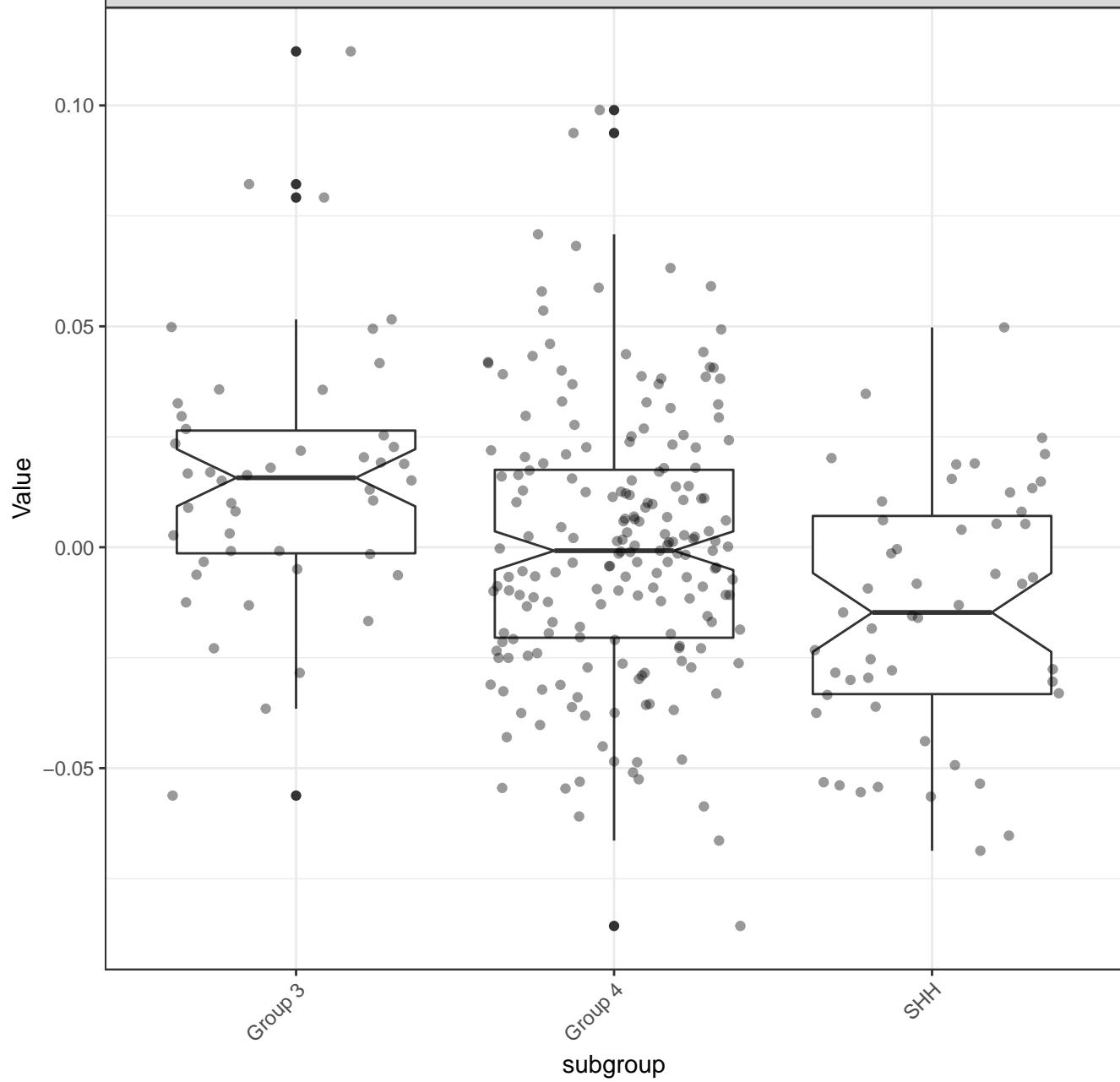
LV 6



7,IRIS_Neutrophil-Resting



8,KEGG_PPAR_SIGNALING_PATHWAY



LV 9

Value

0.2

0.1

0.0

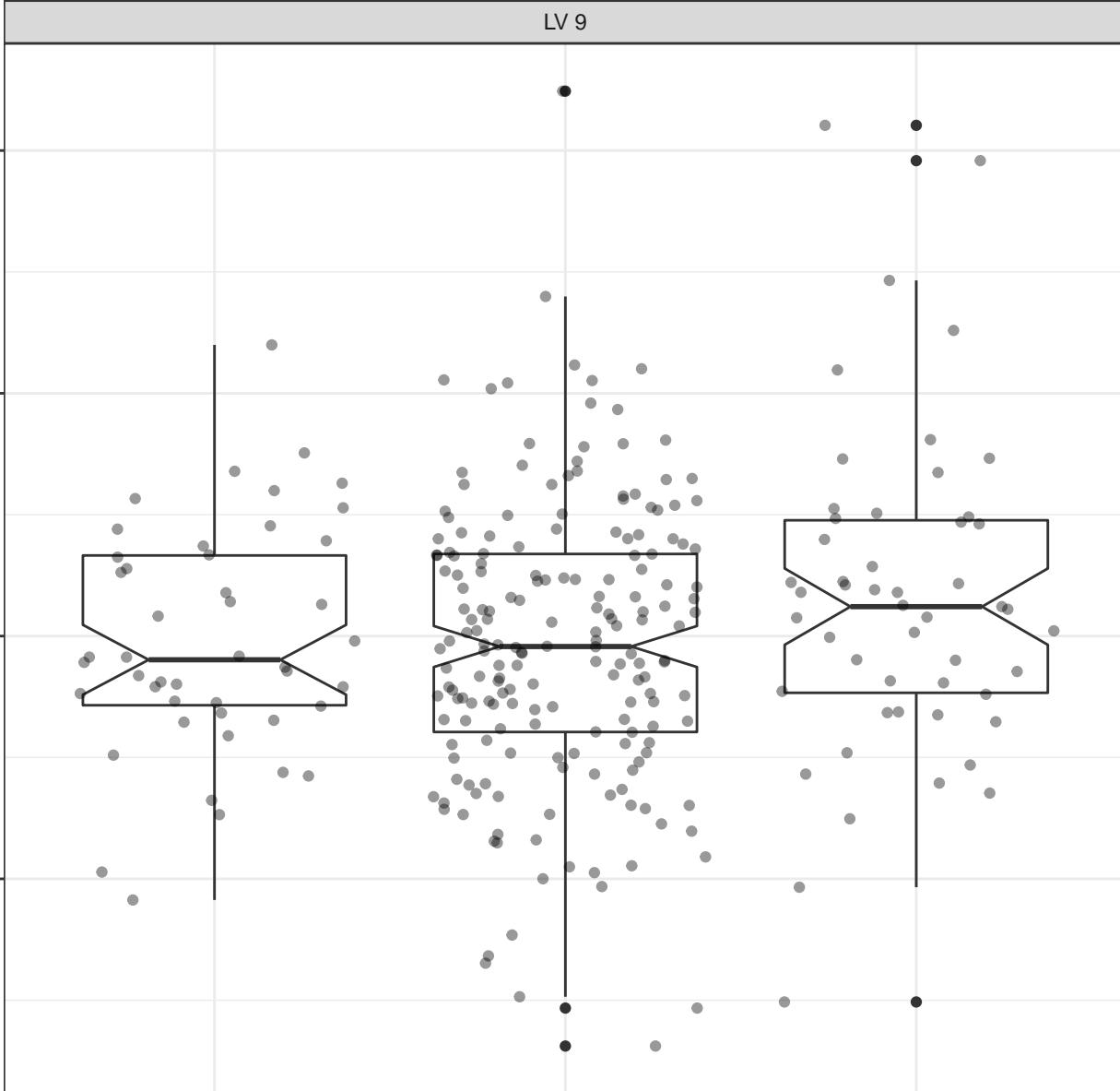
-0.1

Group 3

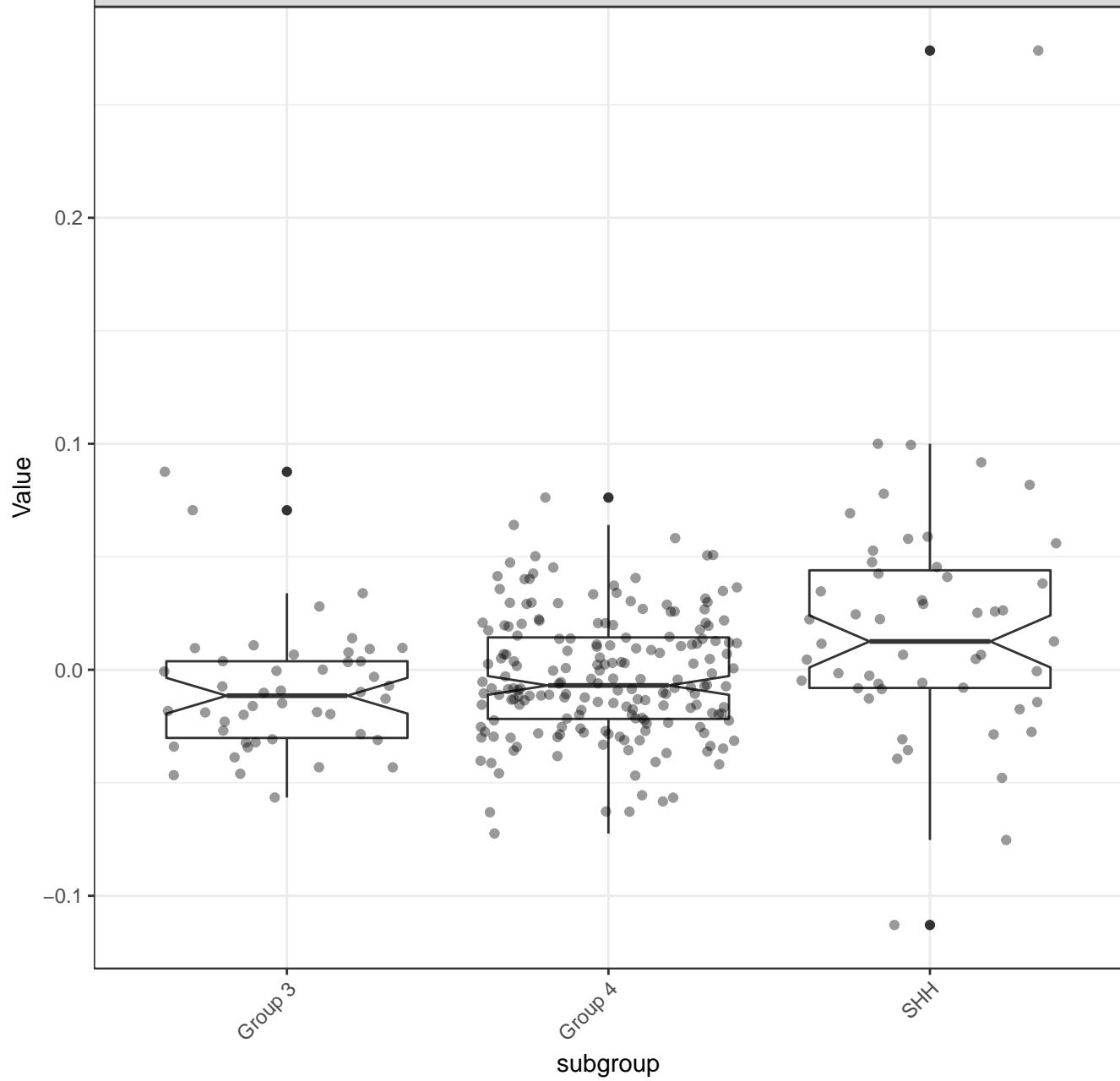
subgroup

Group 4

SHH



10,SVM Macrophages M0



LV 11

Value

0.10

0.05

0.00

-0.05

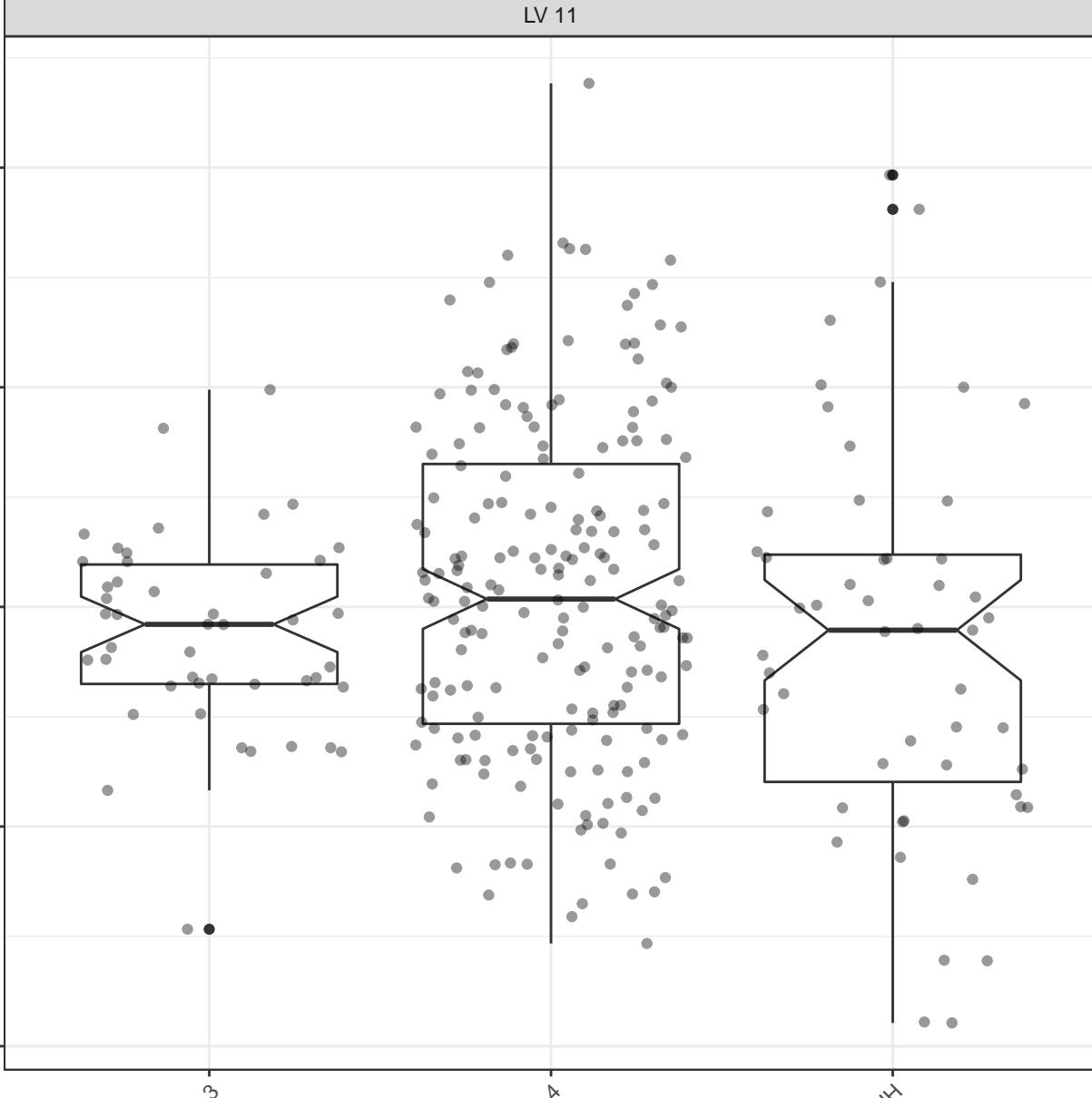
-0.10

Group 3

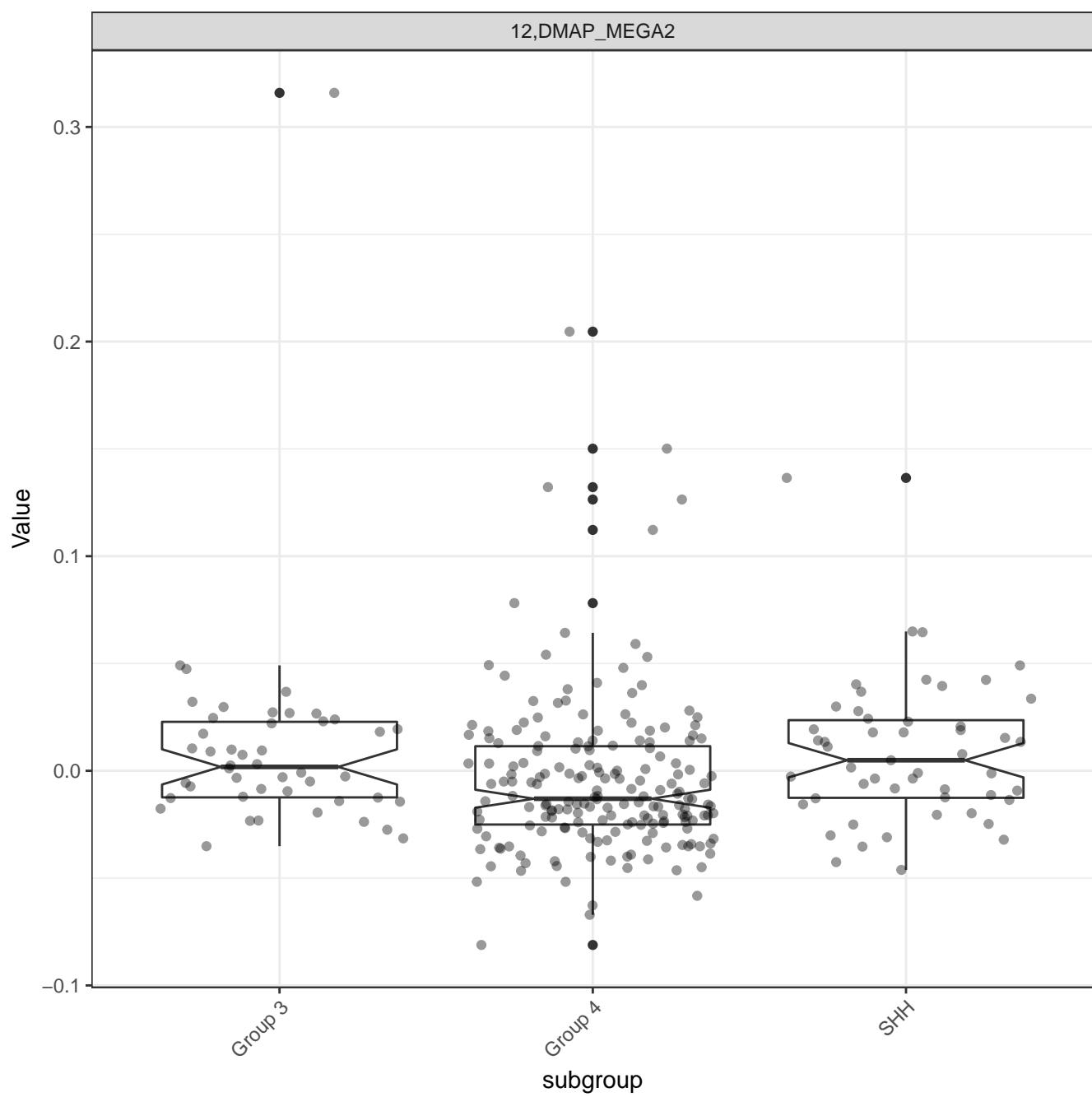
Group 4

SHH

subgroup



12,DMAP_MEGA2



13,REACTOME_GLUCOSE_METABOLISM

Value

0.3

0.2

0.1

0.0

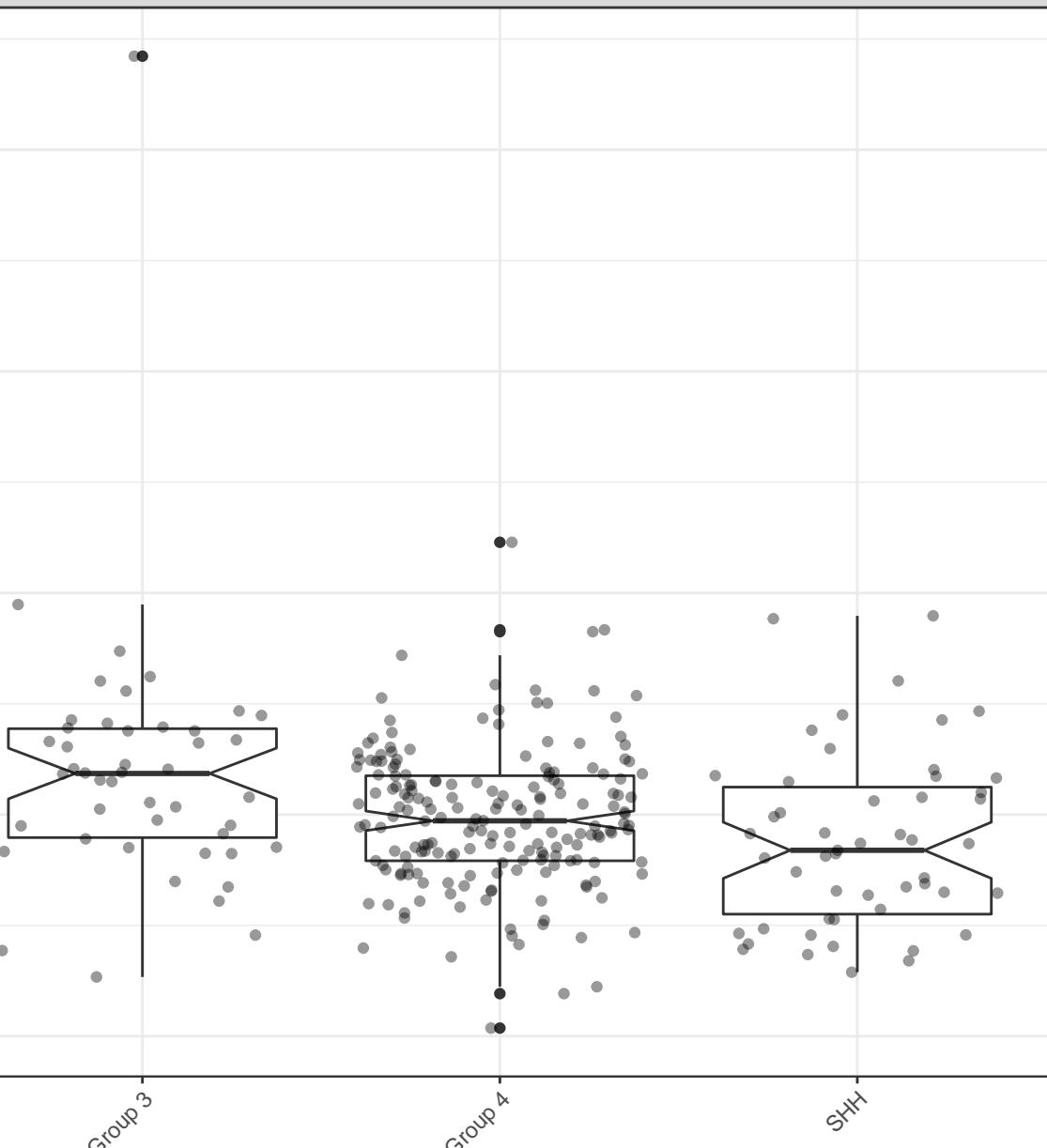
-0.1

Group 3

Group 4

SHH

subgroup



LV 14

Value

0.10

0.05

0.00

-0.05

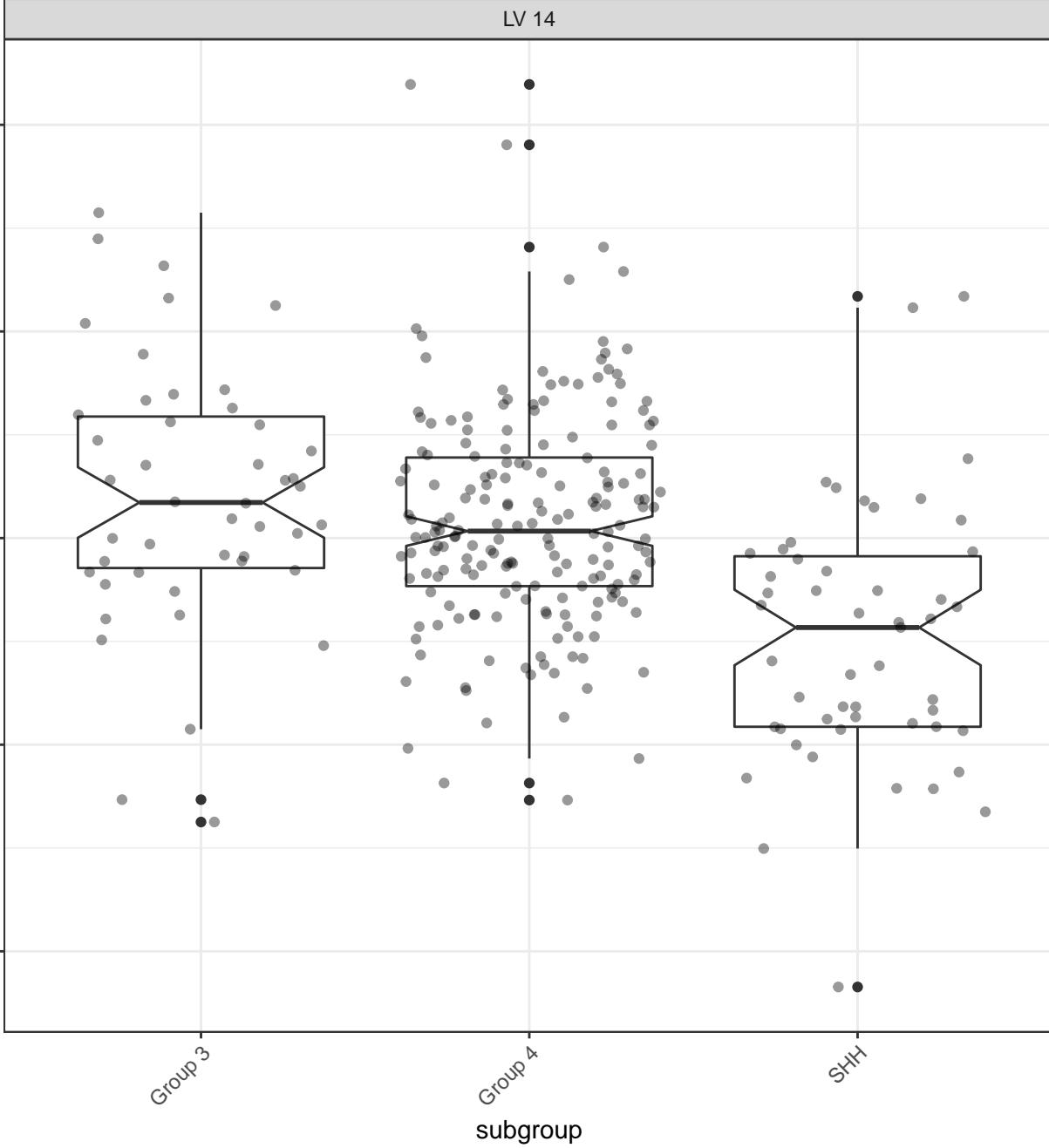
-0.10

Group 3

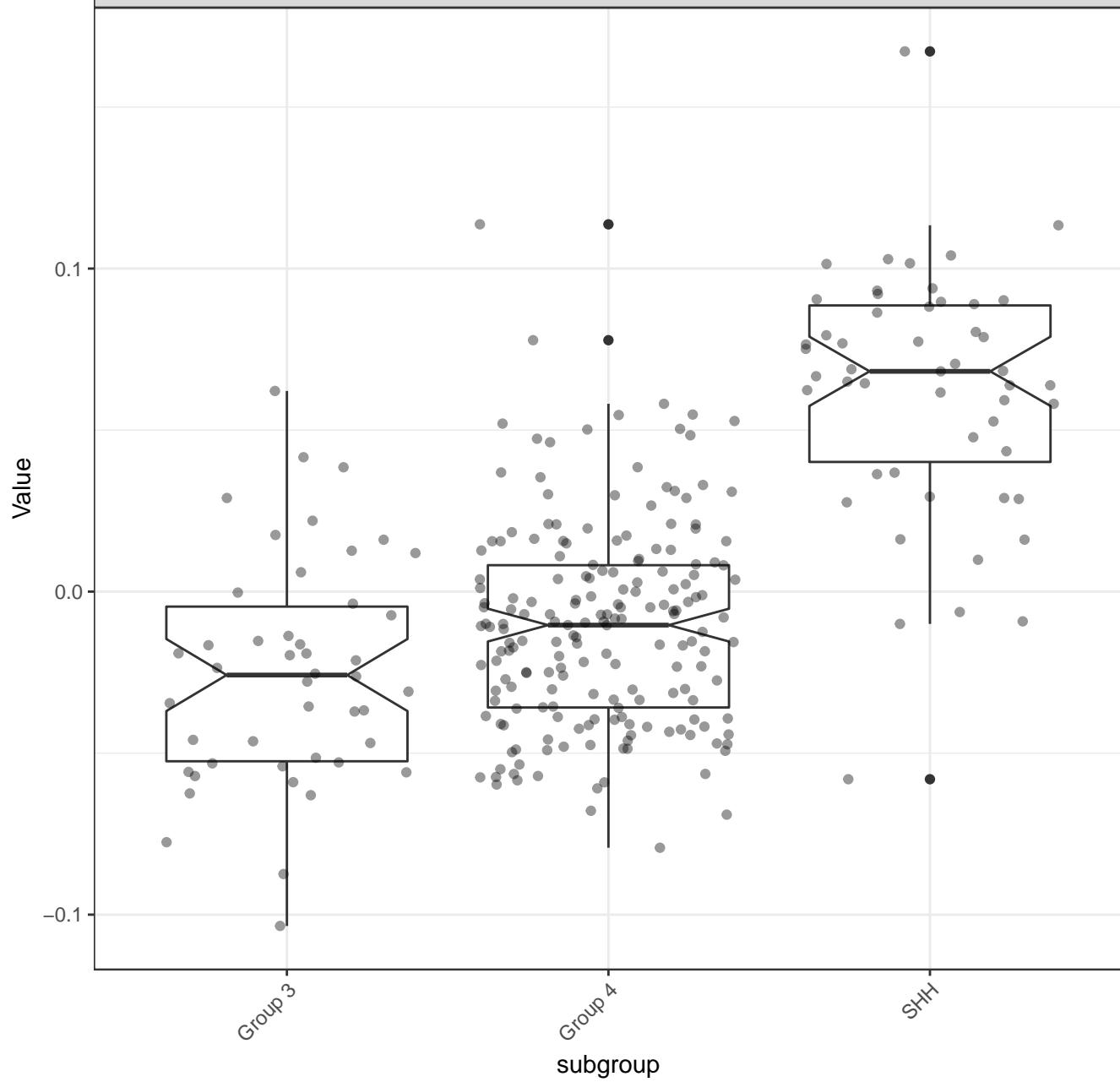
Group 4

SHH

subgroup



LV 15



LV 16

Value

0.1

0.0

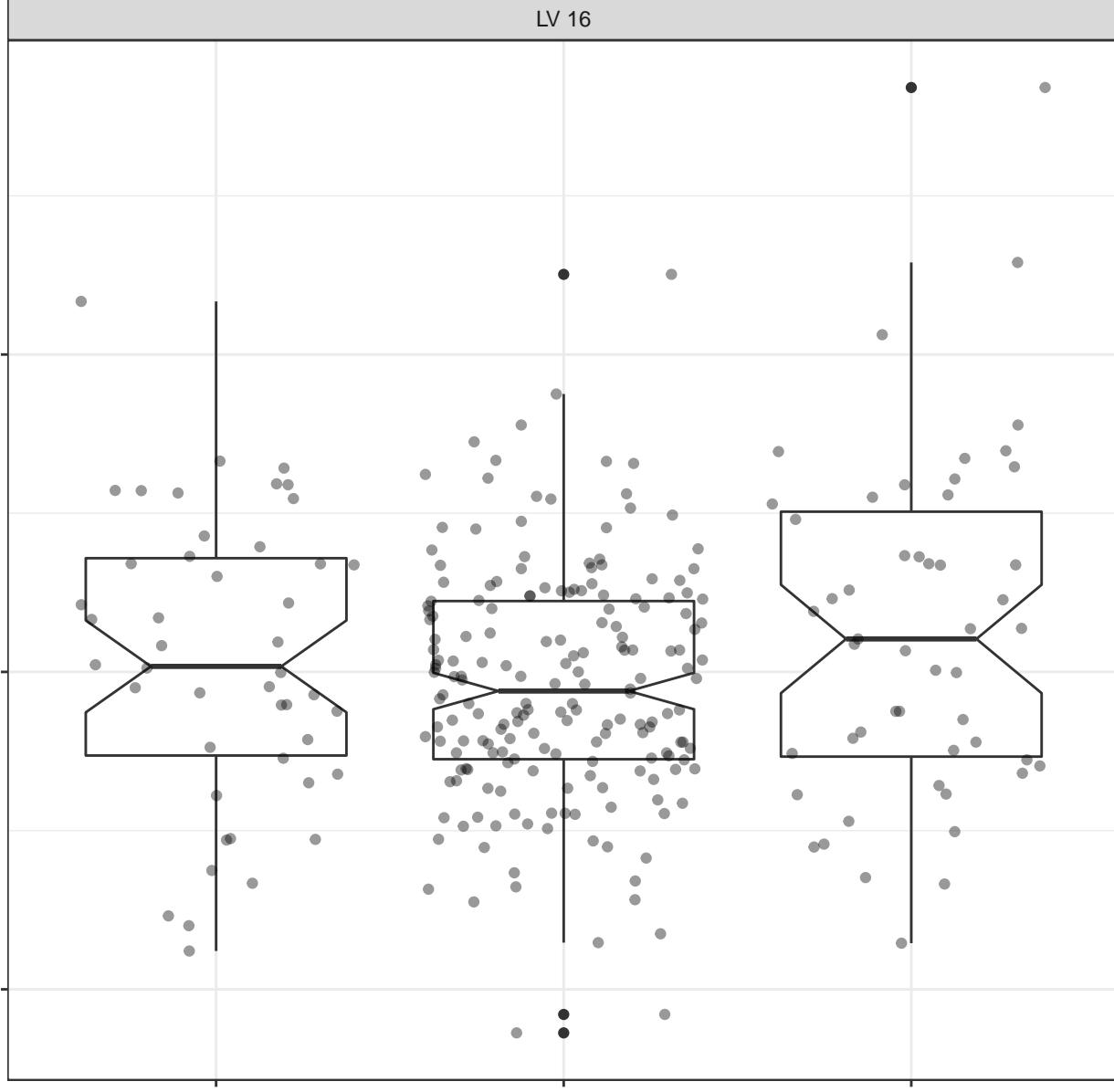
-0.1

Group 3

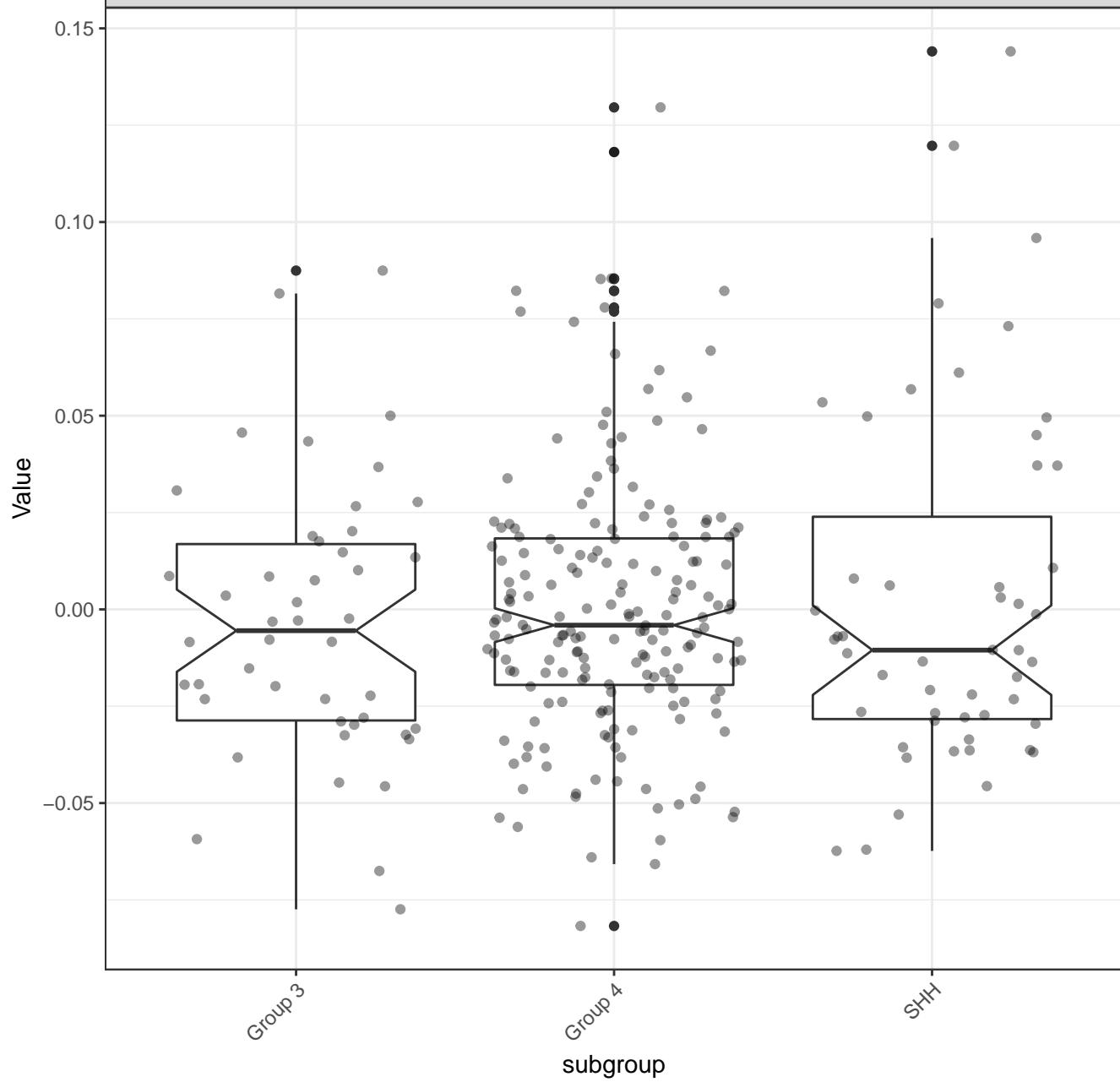
Group 4

SHH

subgroup



17,SVM NK cells resting



18,REACTOME_PHASE1_FUNCTIONALIZATION_OF_COMPOUNDS

Value

0.1

0.0

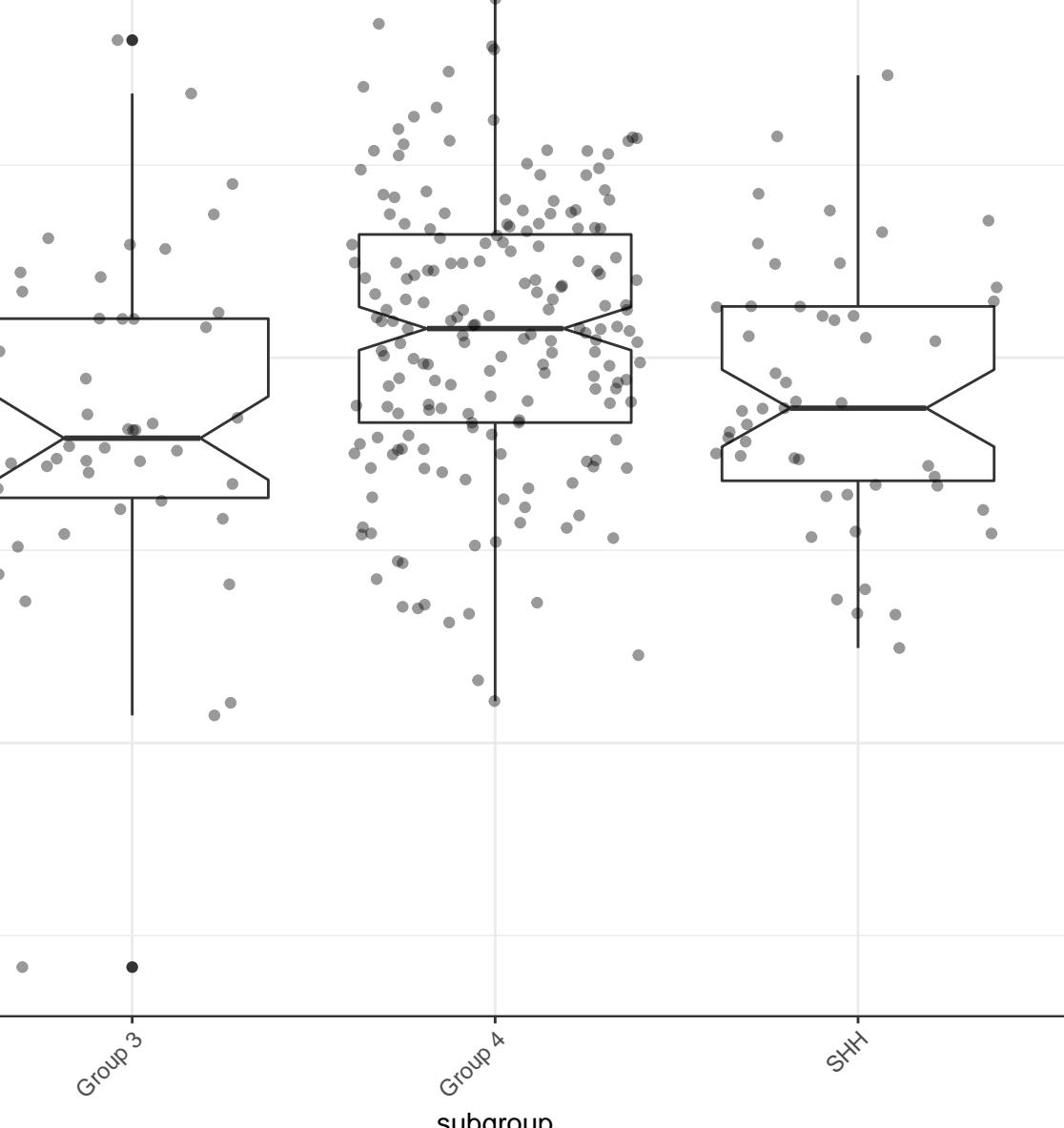
-0.1

Group³

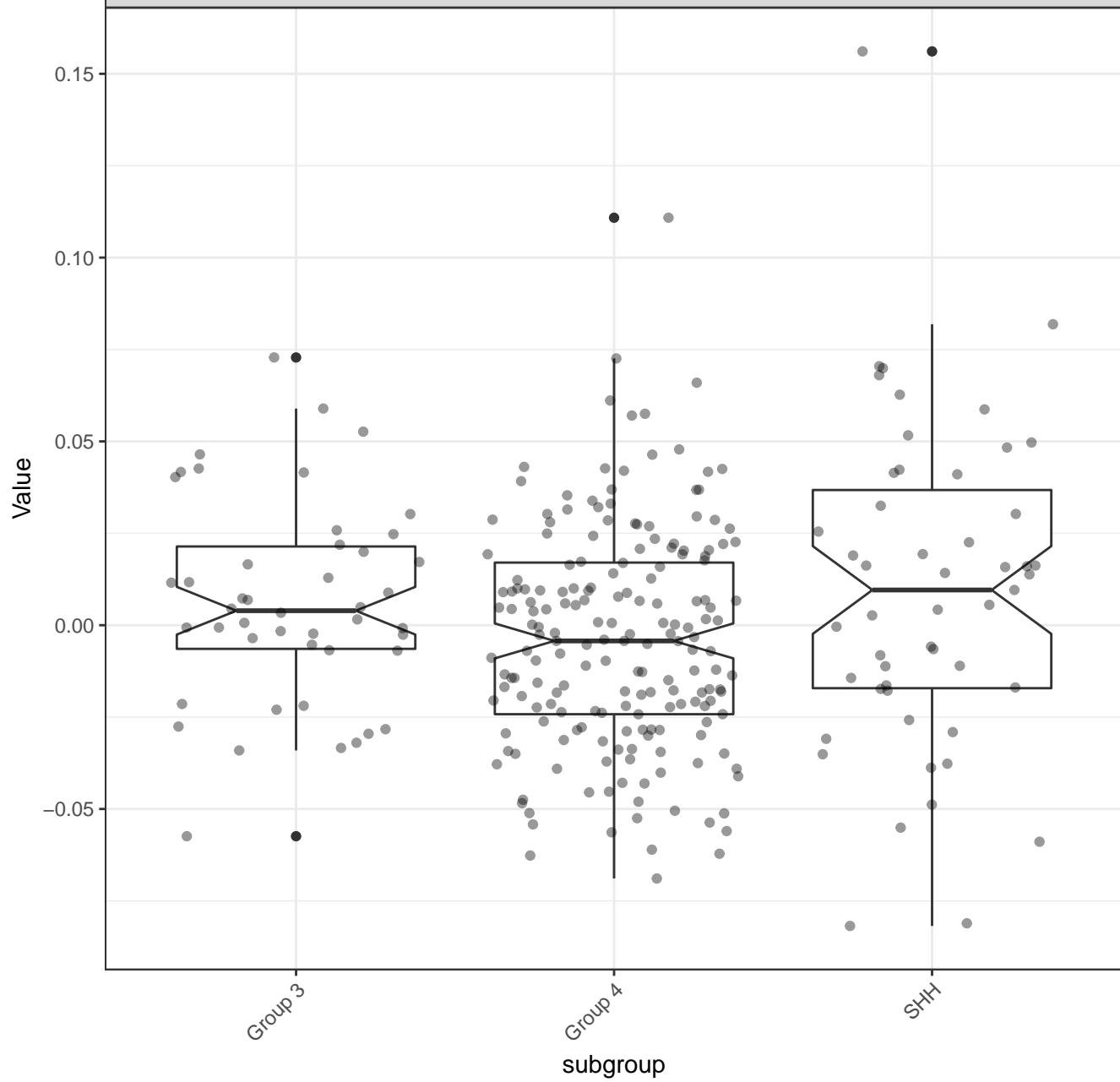
Group⁴

SHH

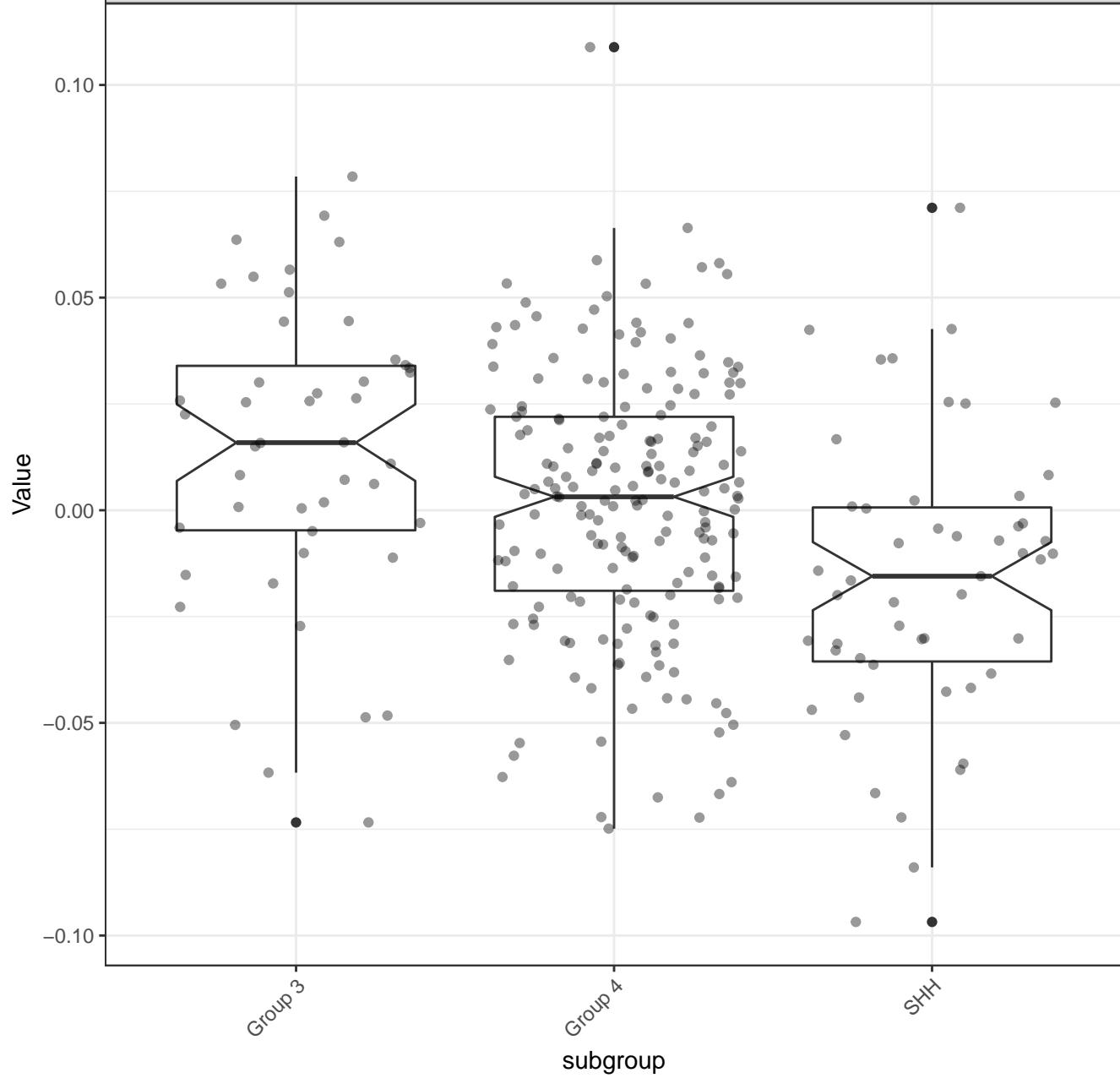
subgroup



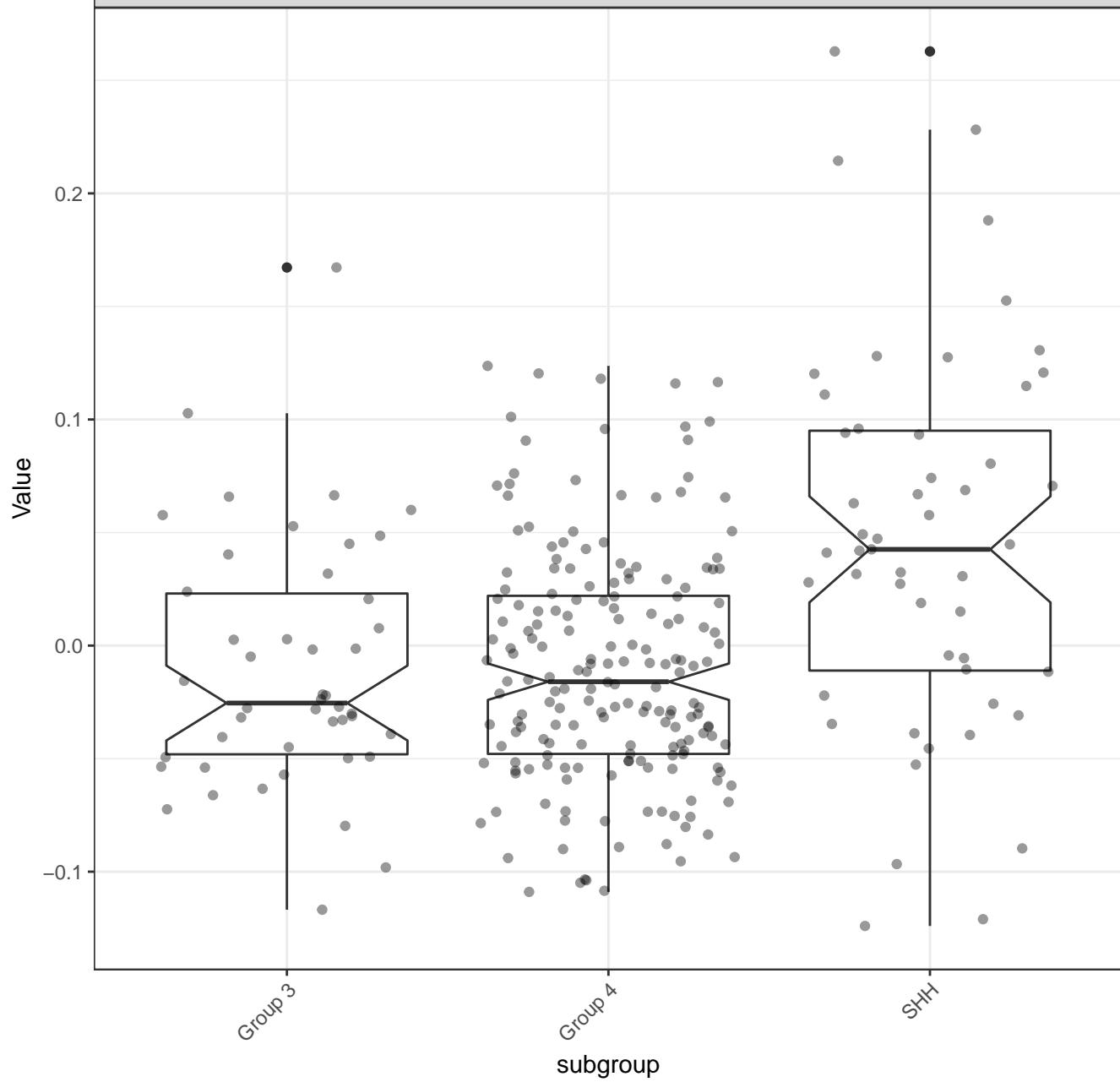
LV 19



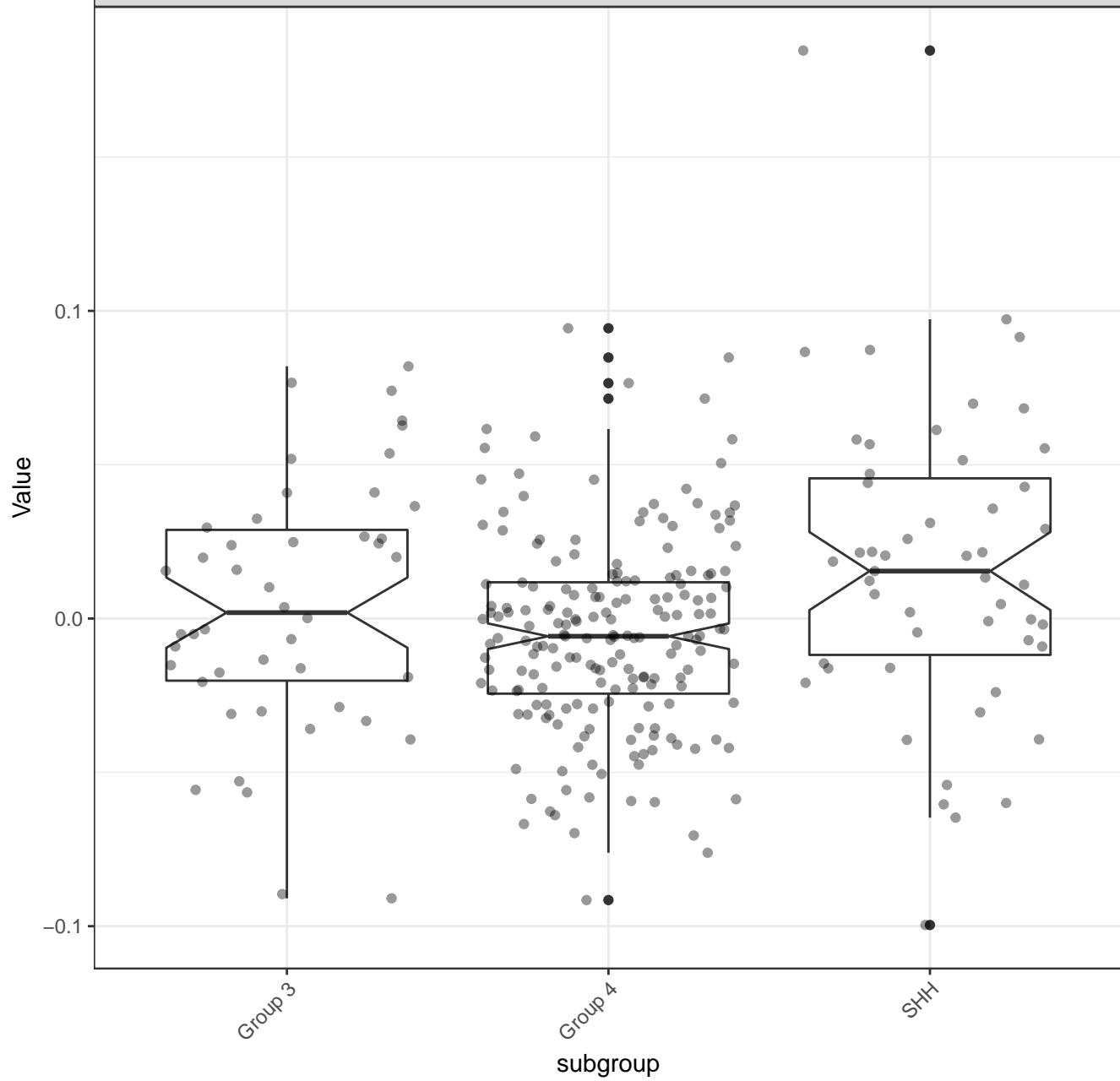
20,KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION



LV 21



22,KEGG_PPAR_SIGNALING_PATHWAY



LV 23

Value

0.10

0.05

0.00

-0.05

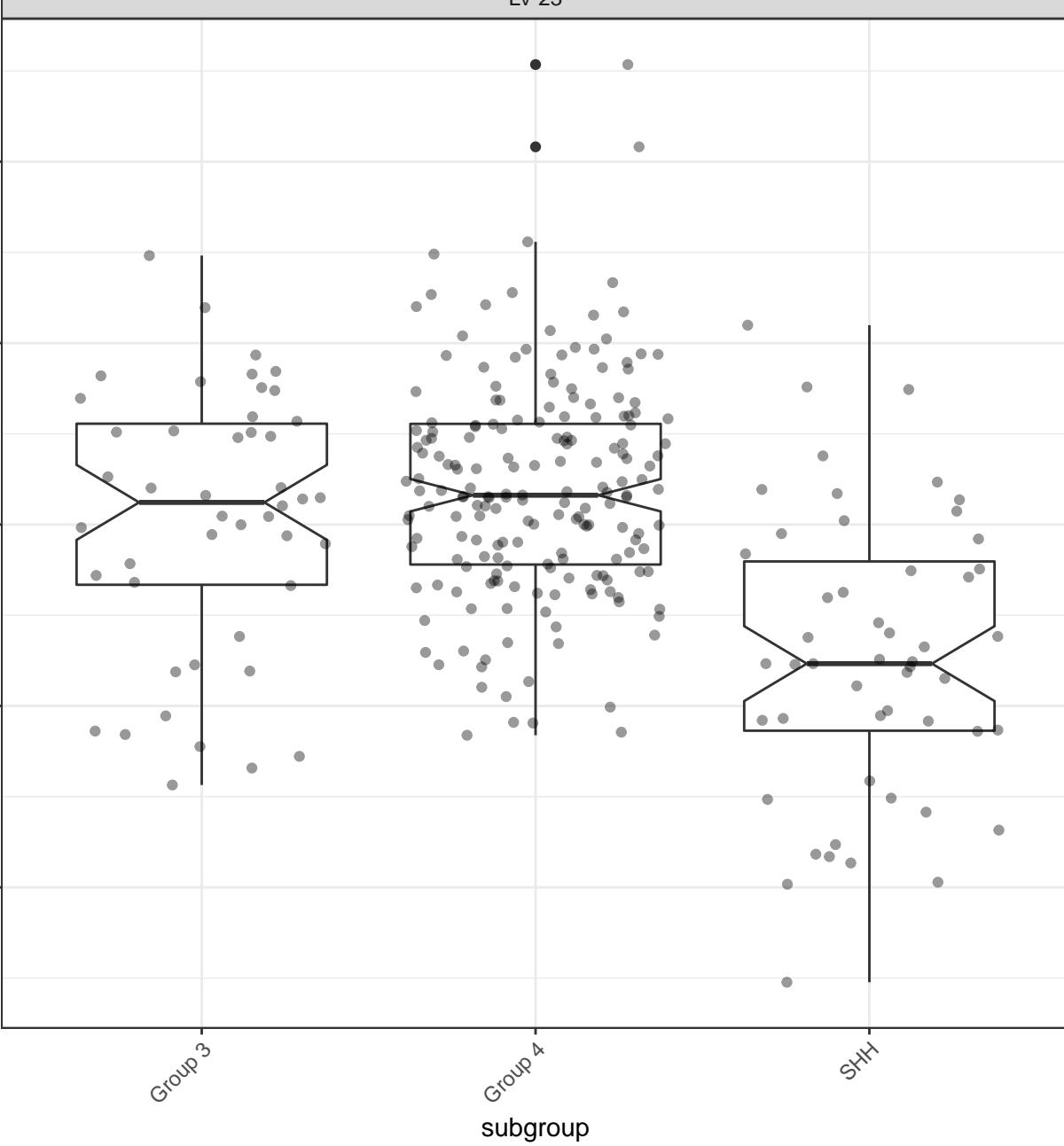
-0.10

Group 3

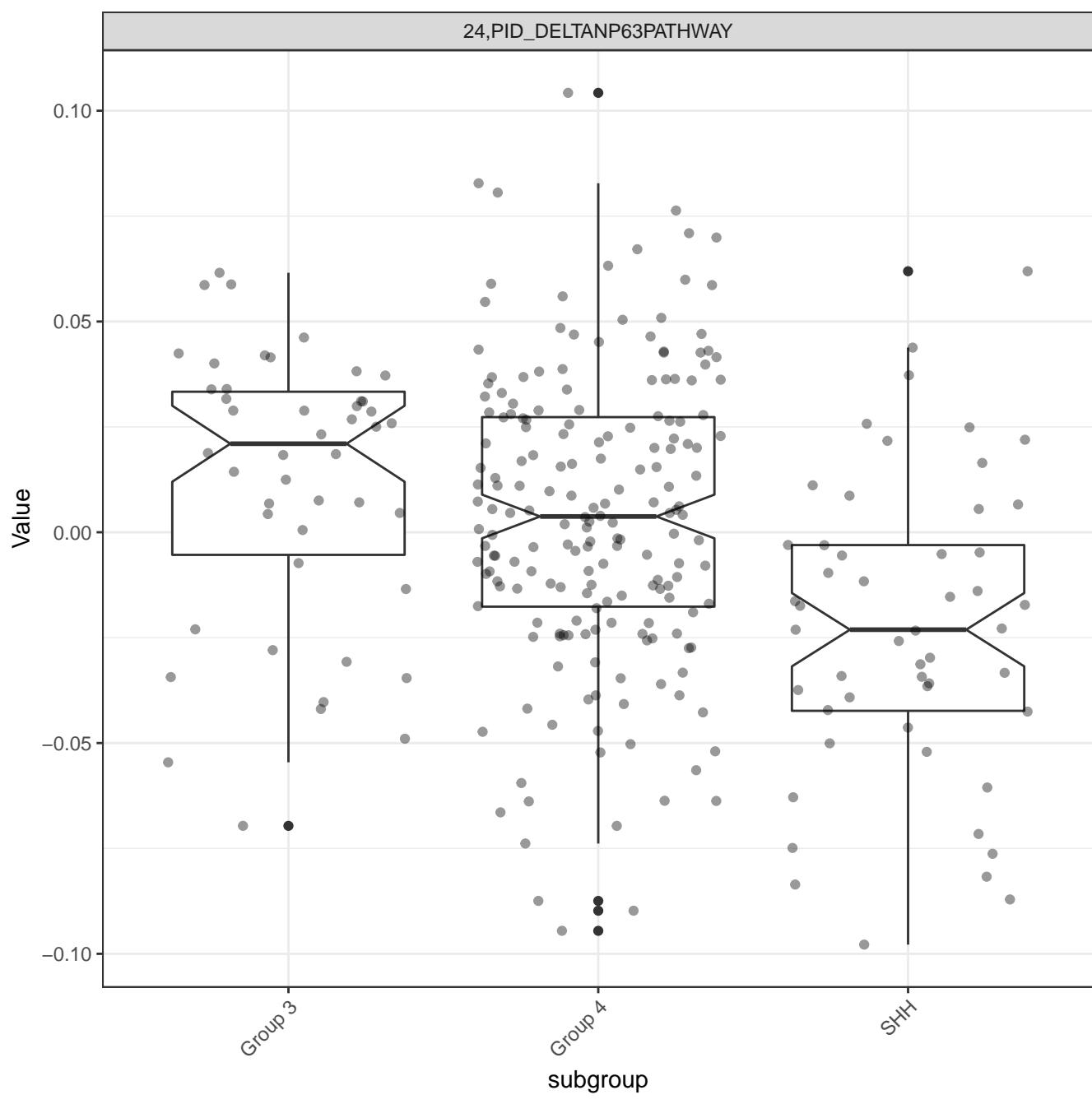
Group 4

SHH

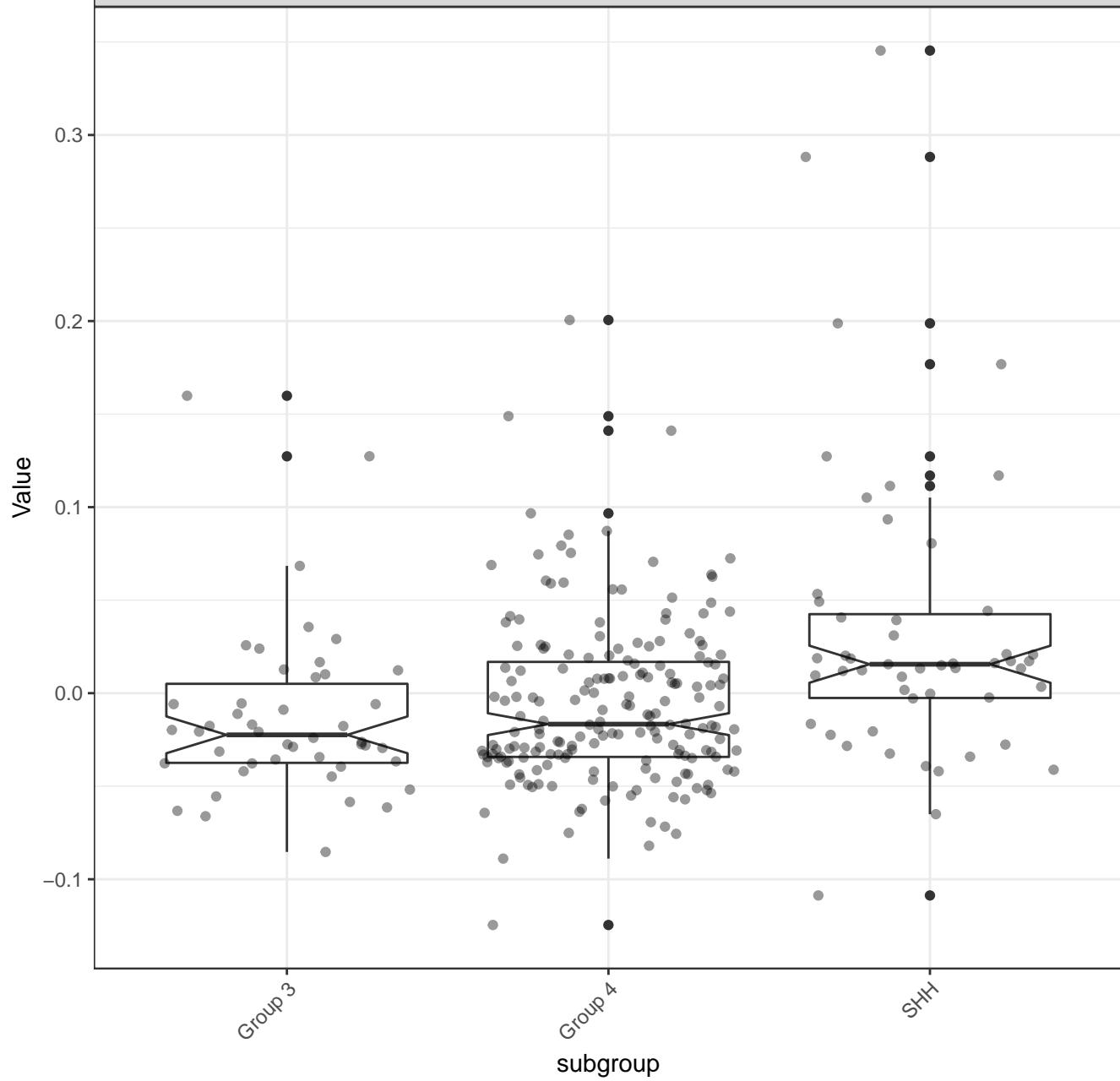
subgroup



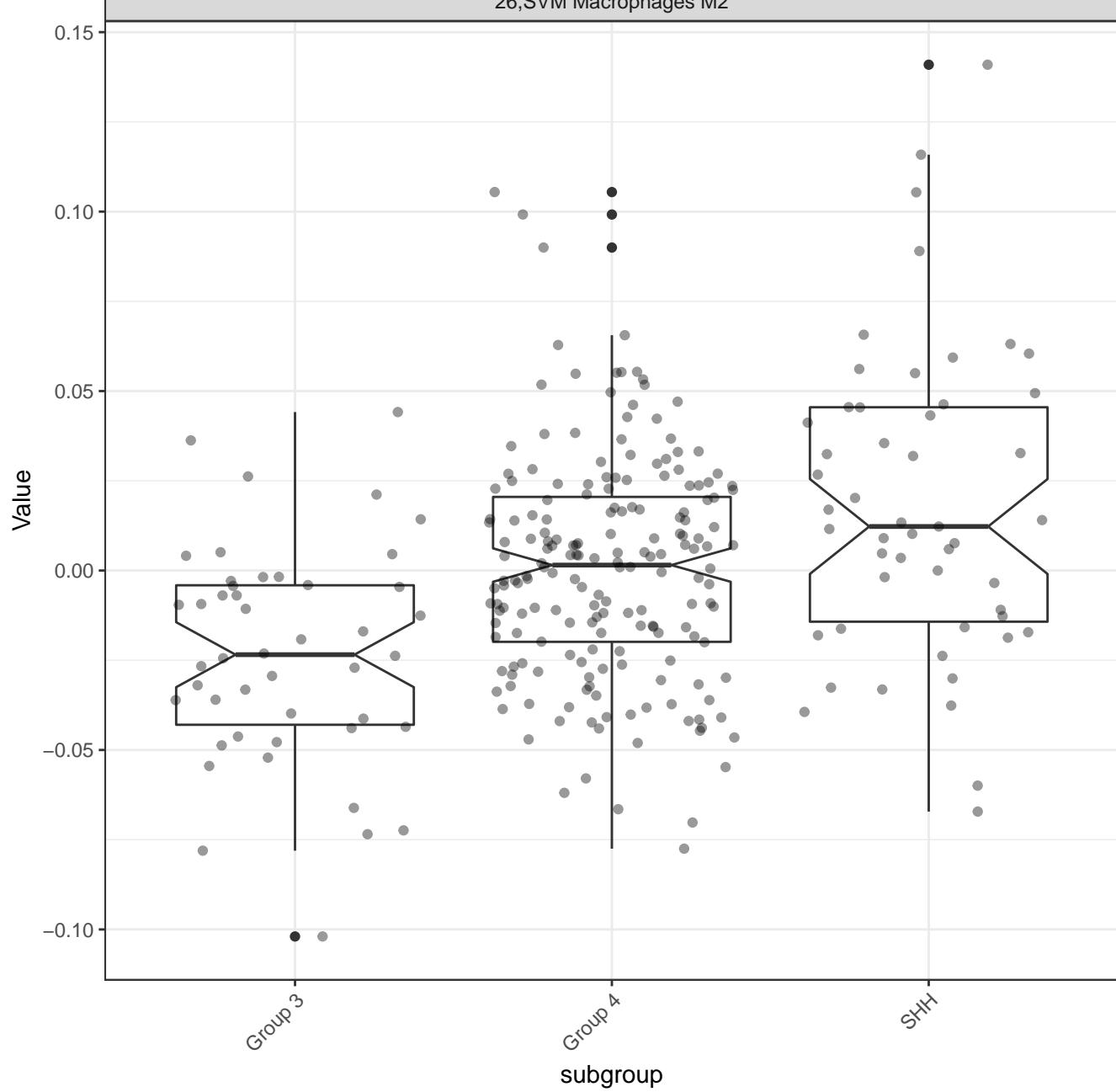
24,PID_DELTANP63PATHWAY



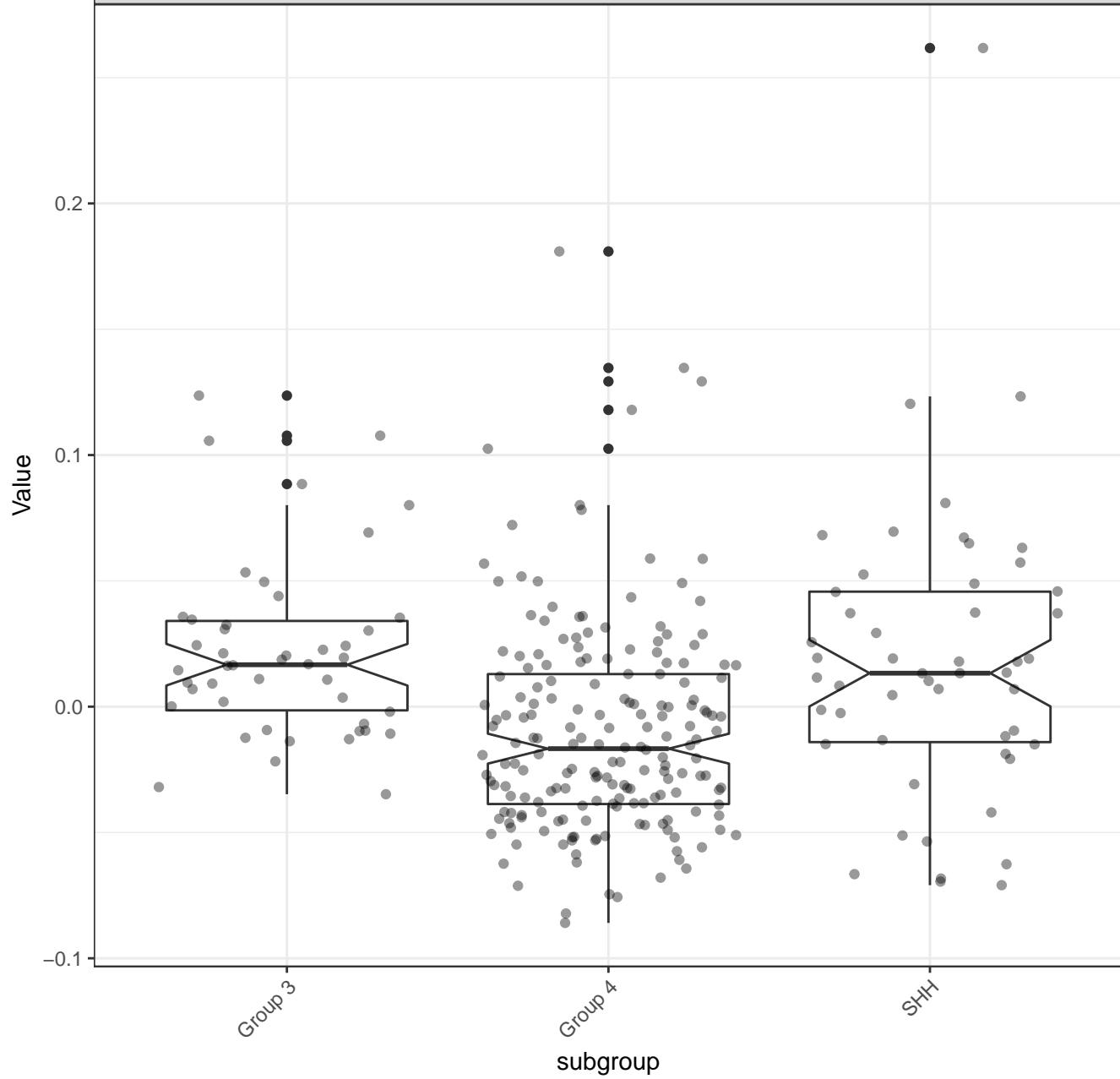
25,SVM Macrophages M1



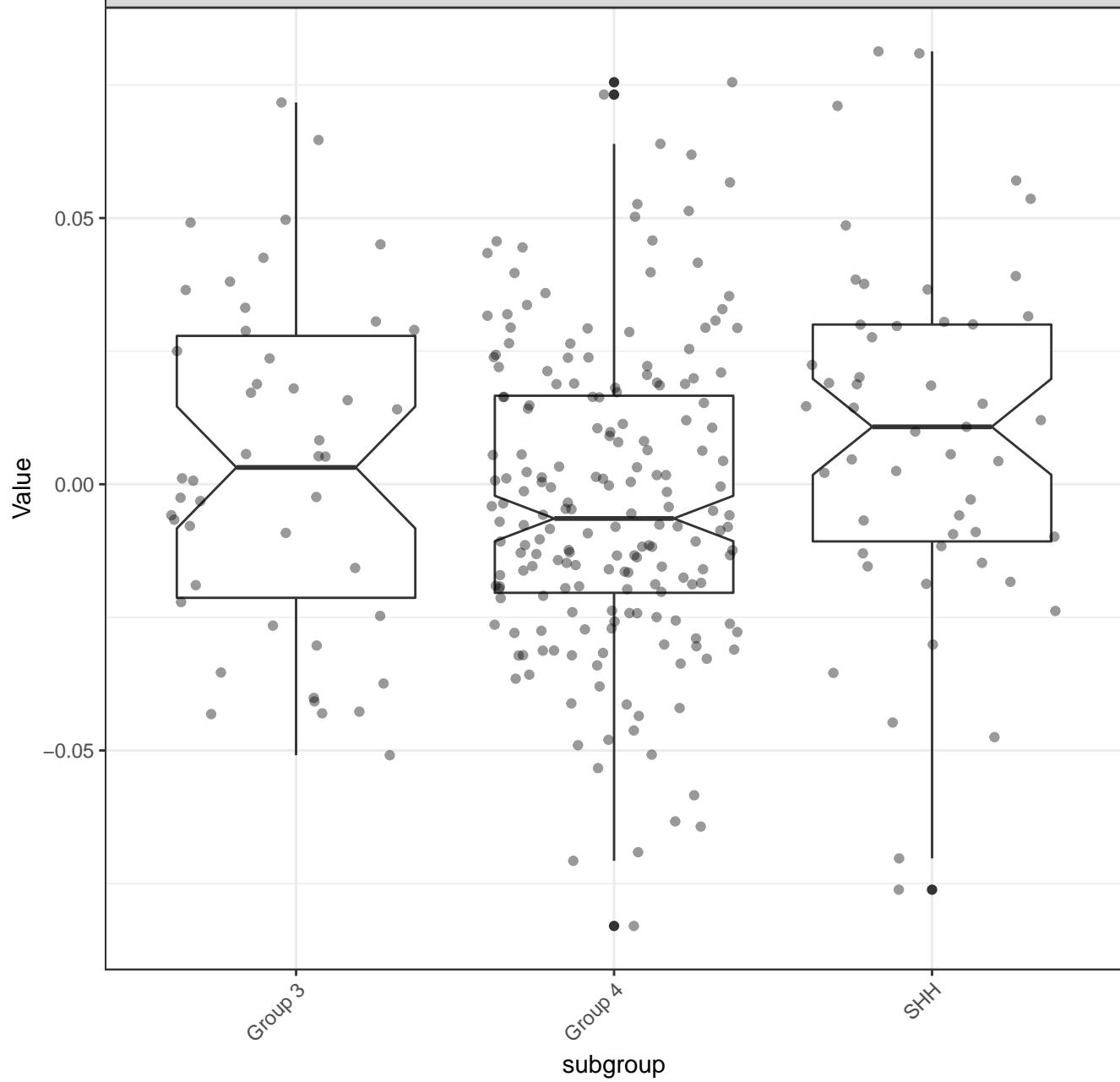
26,SVM Macrophages M2



27,REACTOME_CELL_JUNCTION_ORGANIZATION



LV 28



LV 29

Value

0.10

0.05

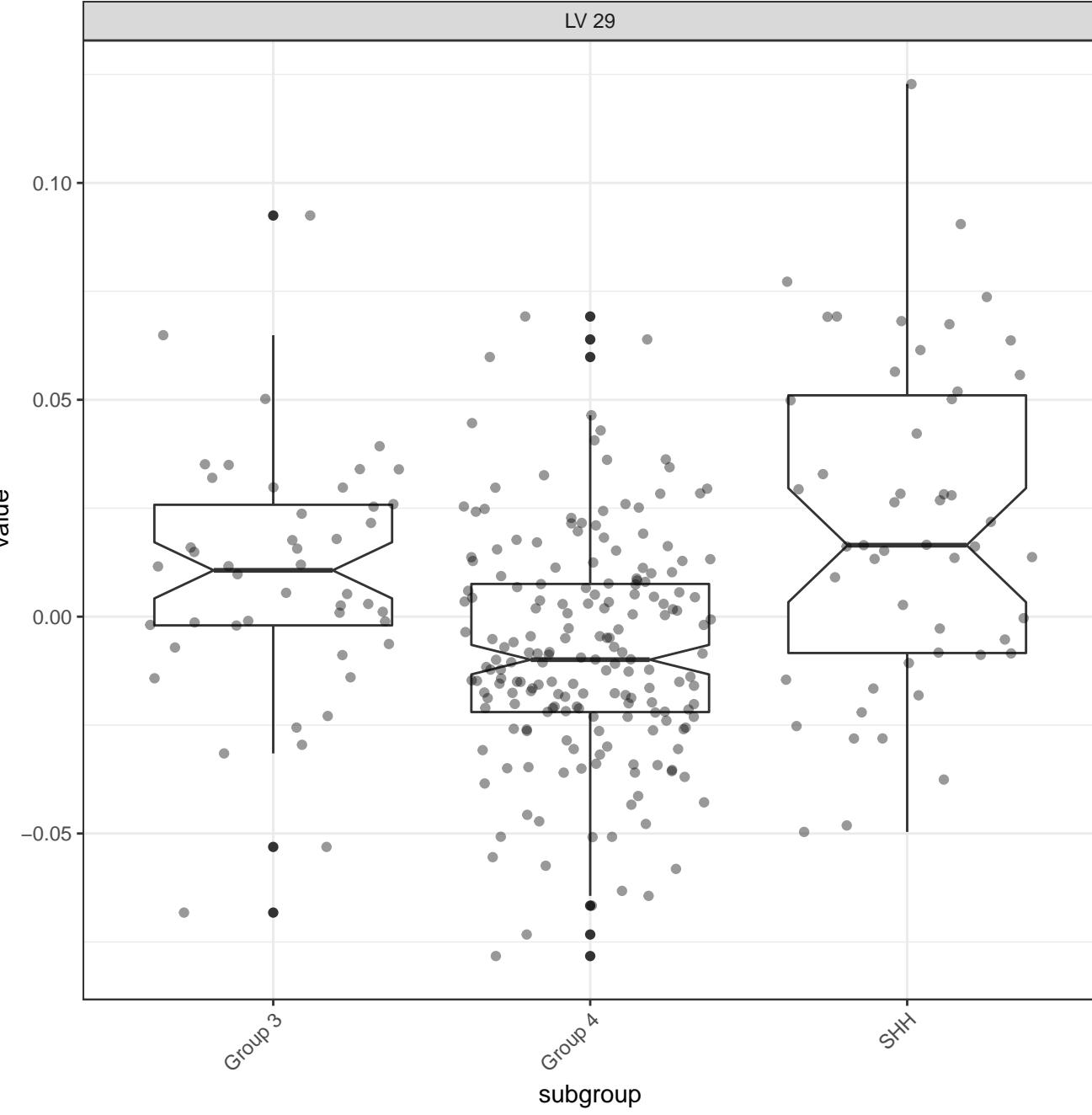
0.00

-0.05

Group 3

subgroup

SHH



30,DMAP_ERY3

Value

0.10

0.05

0.00

-0.05

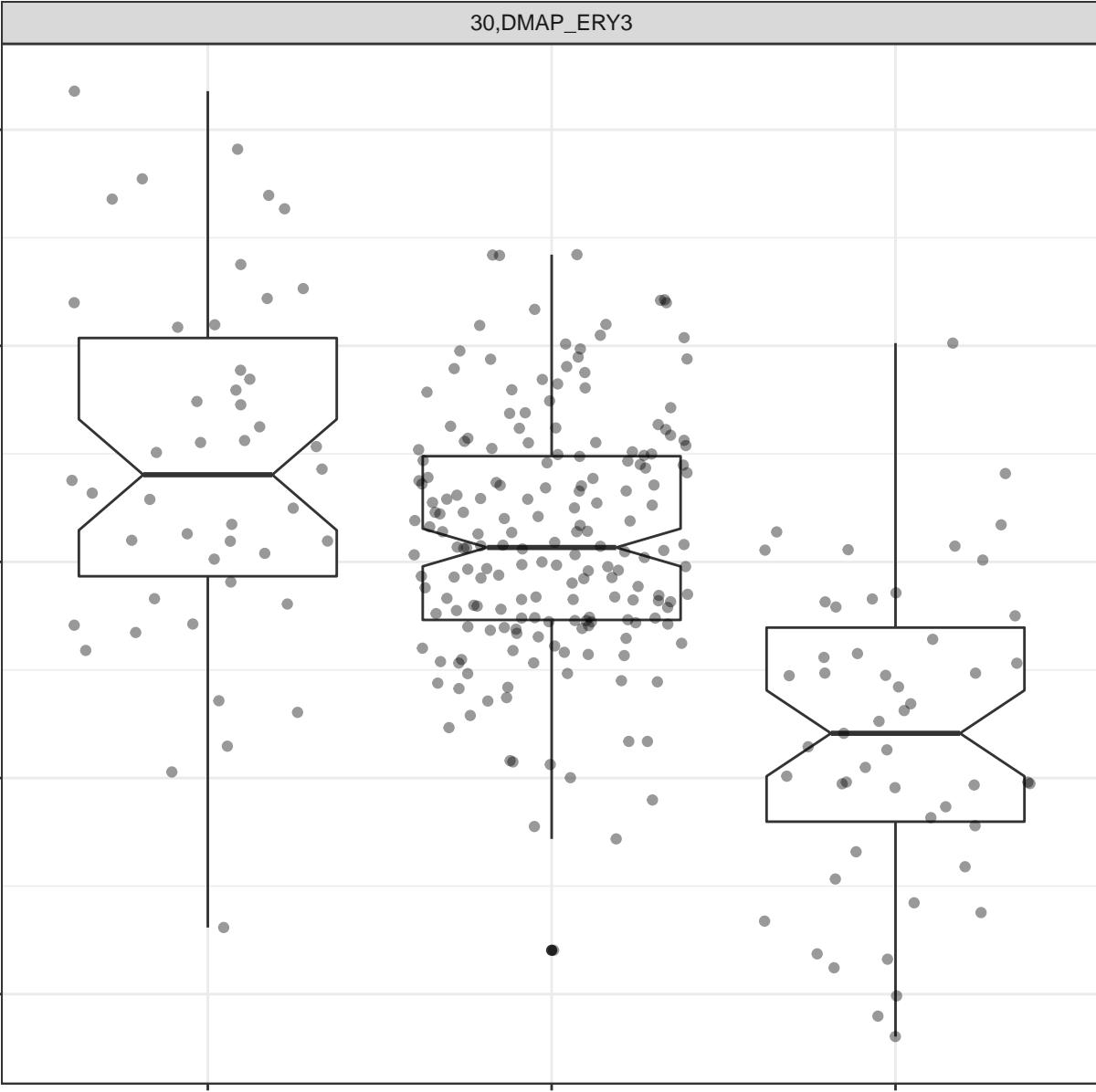
-0.10

Group 3

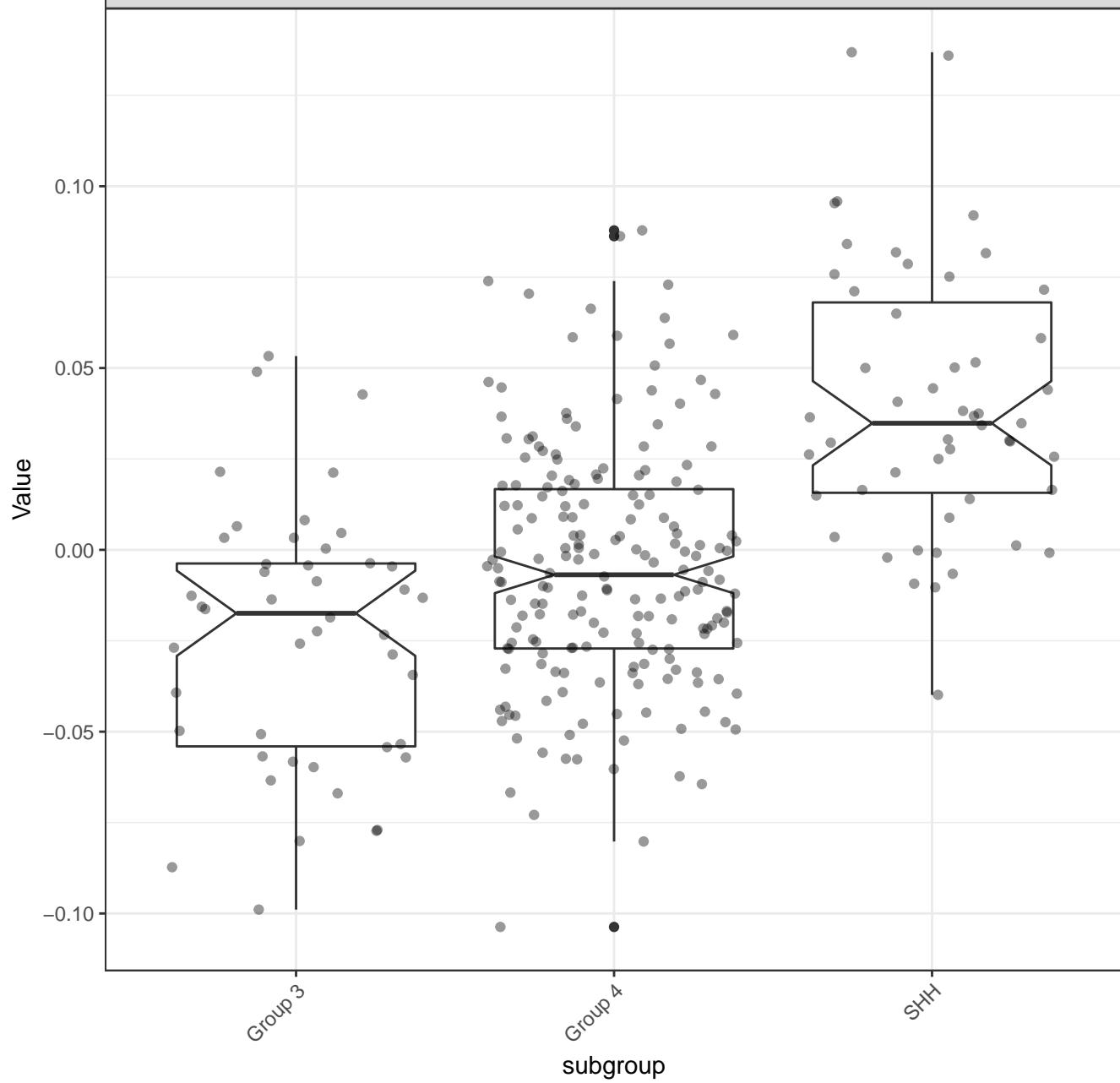
subgroup

Group 4

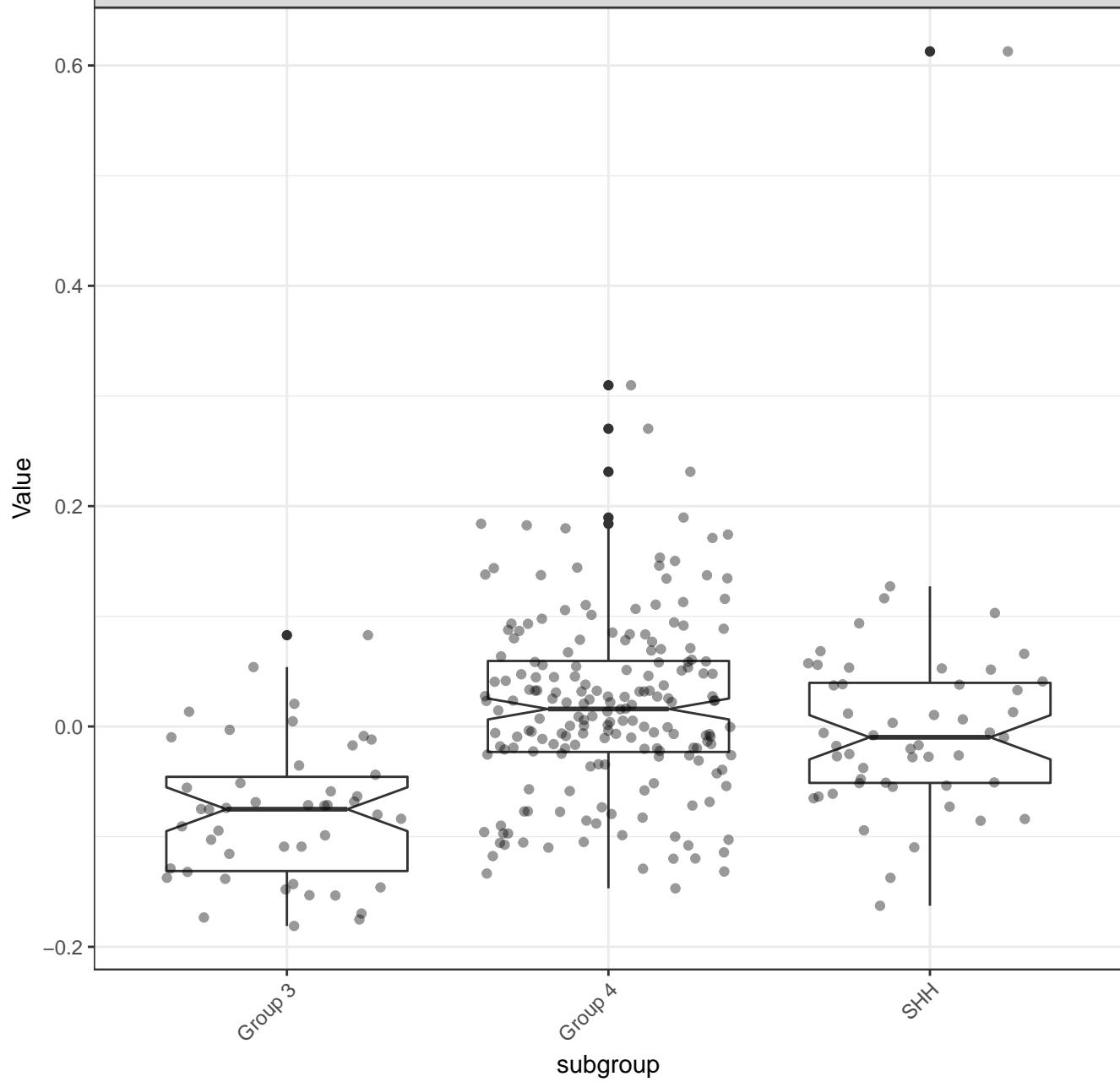
SHH



31,SVM B cells naive



LV 32



LV 33

Value

0.1

0.0

-0.1

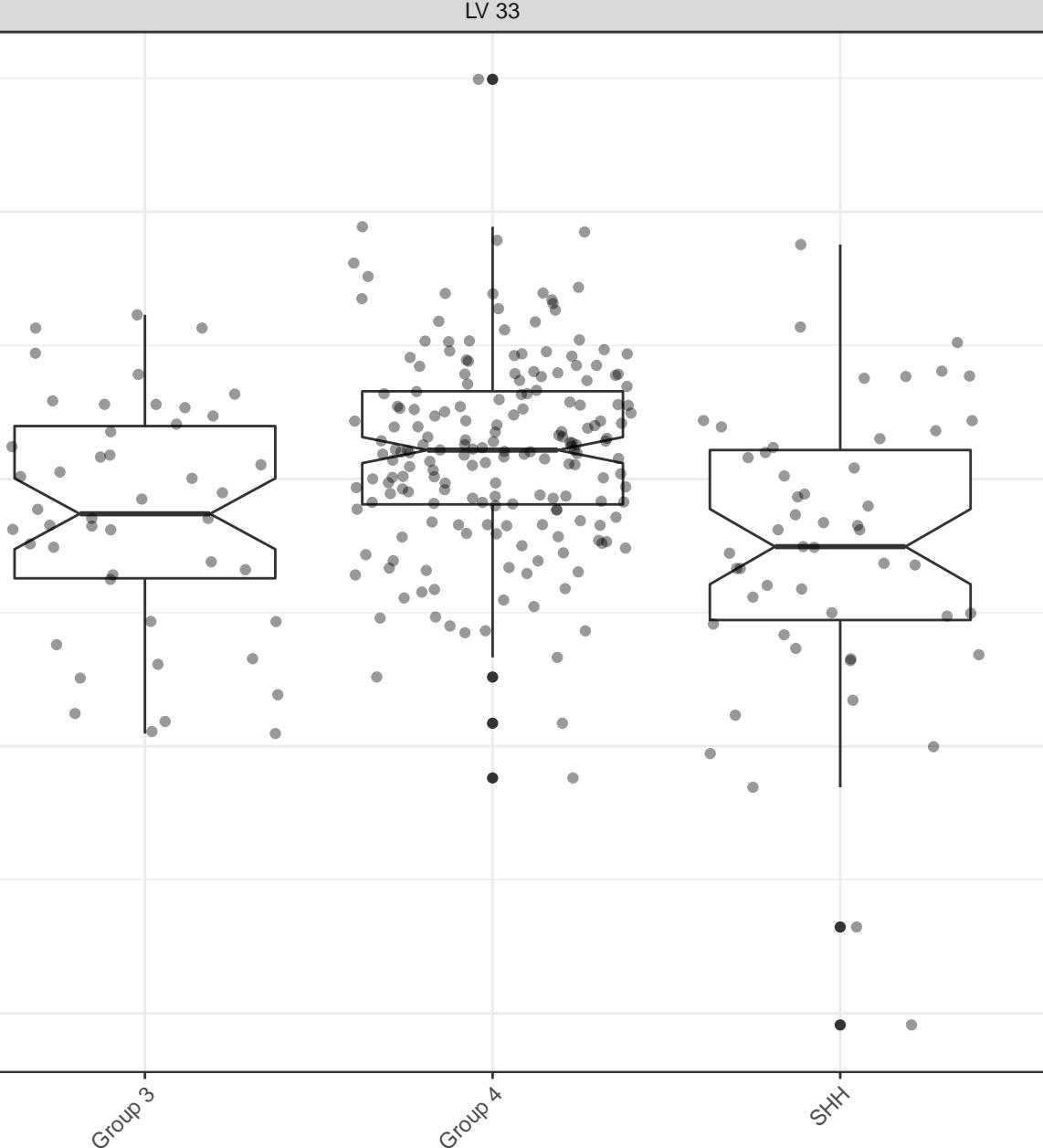
-0.2

Group 3

Group 4

SHH

subgroup



LV 34

Value

0.10

0.05

0.00

-0.05

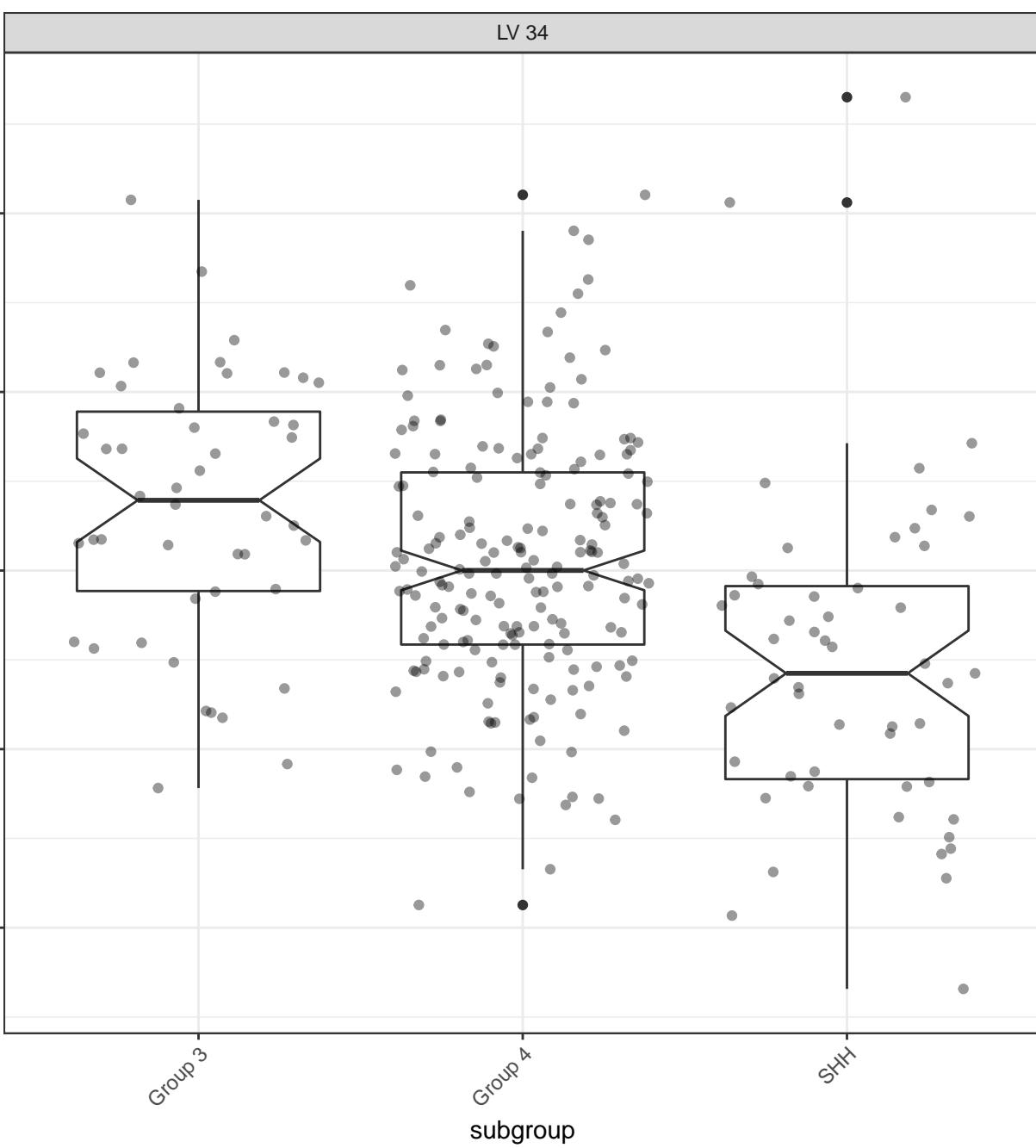
-0.10

Group 3

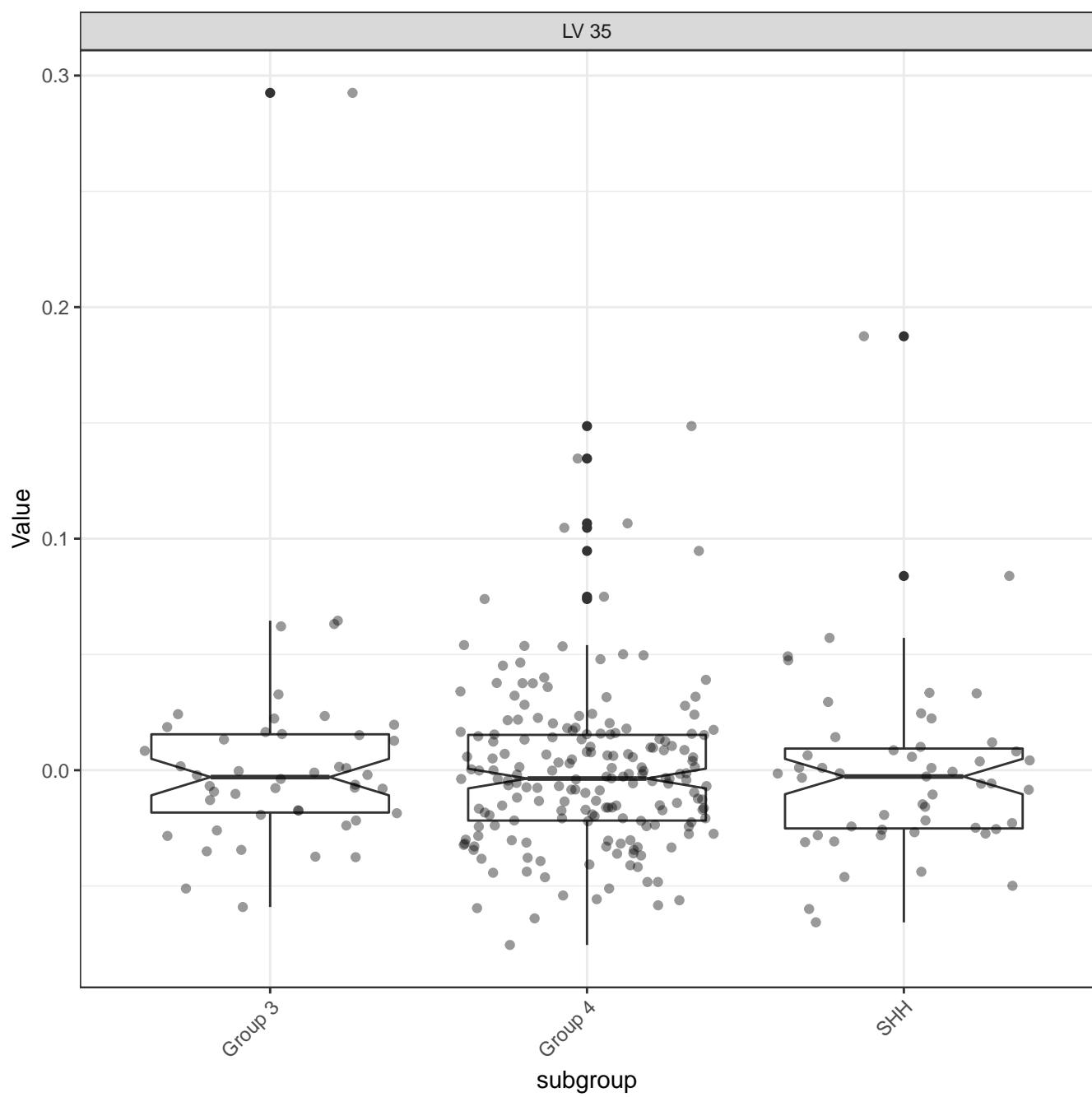
Group 4

SHH

subgroup



LV 35



LV 36

Value

0.10

0.05

0.00

-0.05

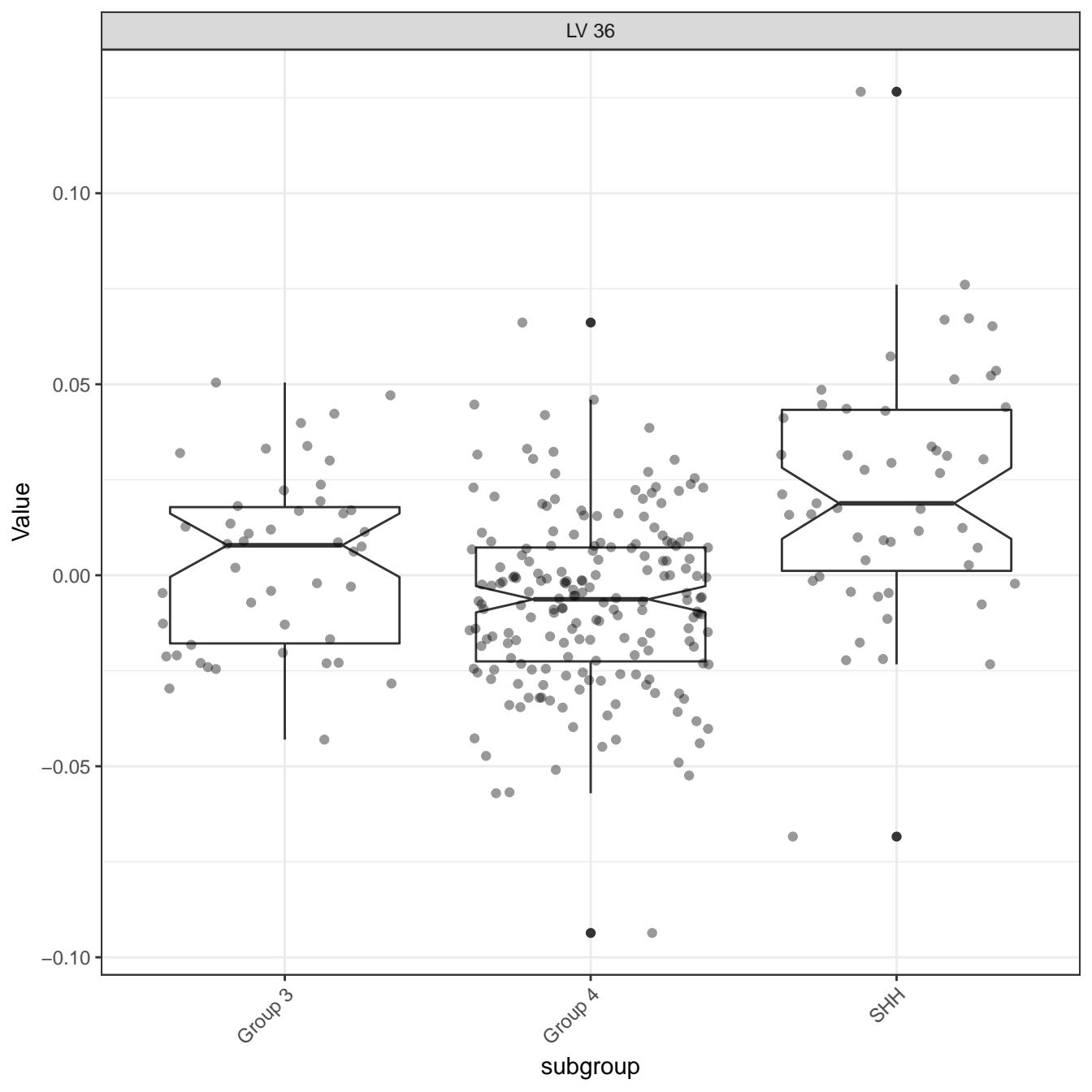
-0.10

Group 3

subgroup

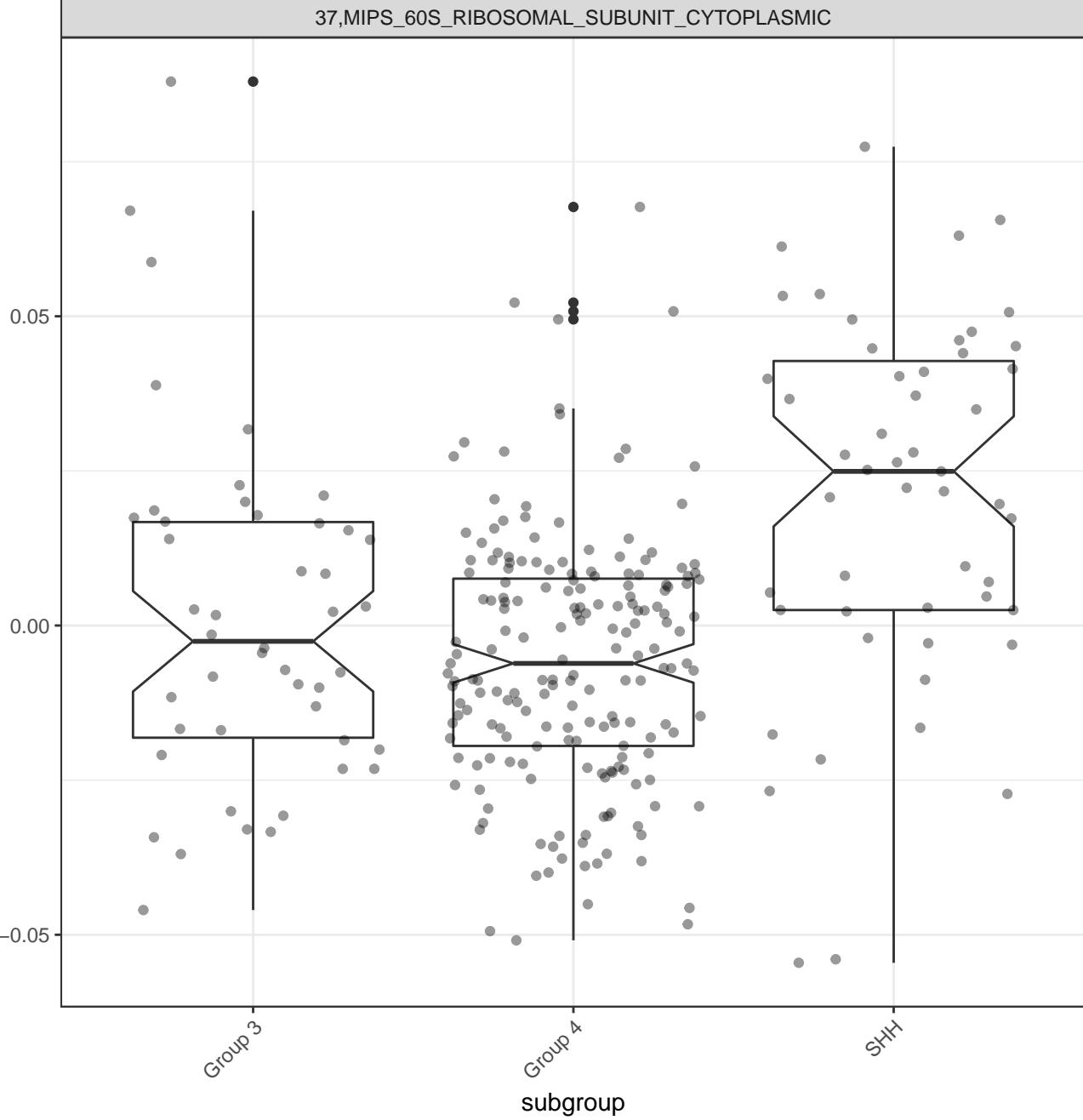
SHH

Group 4

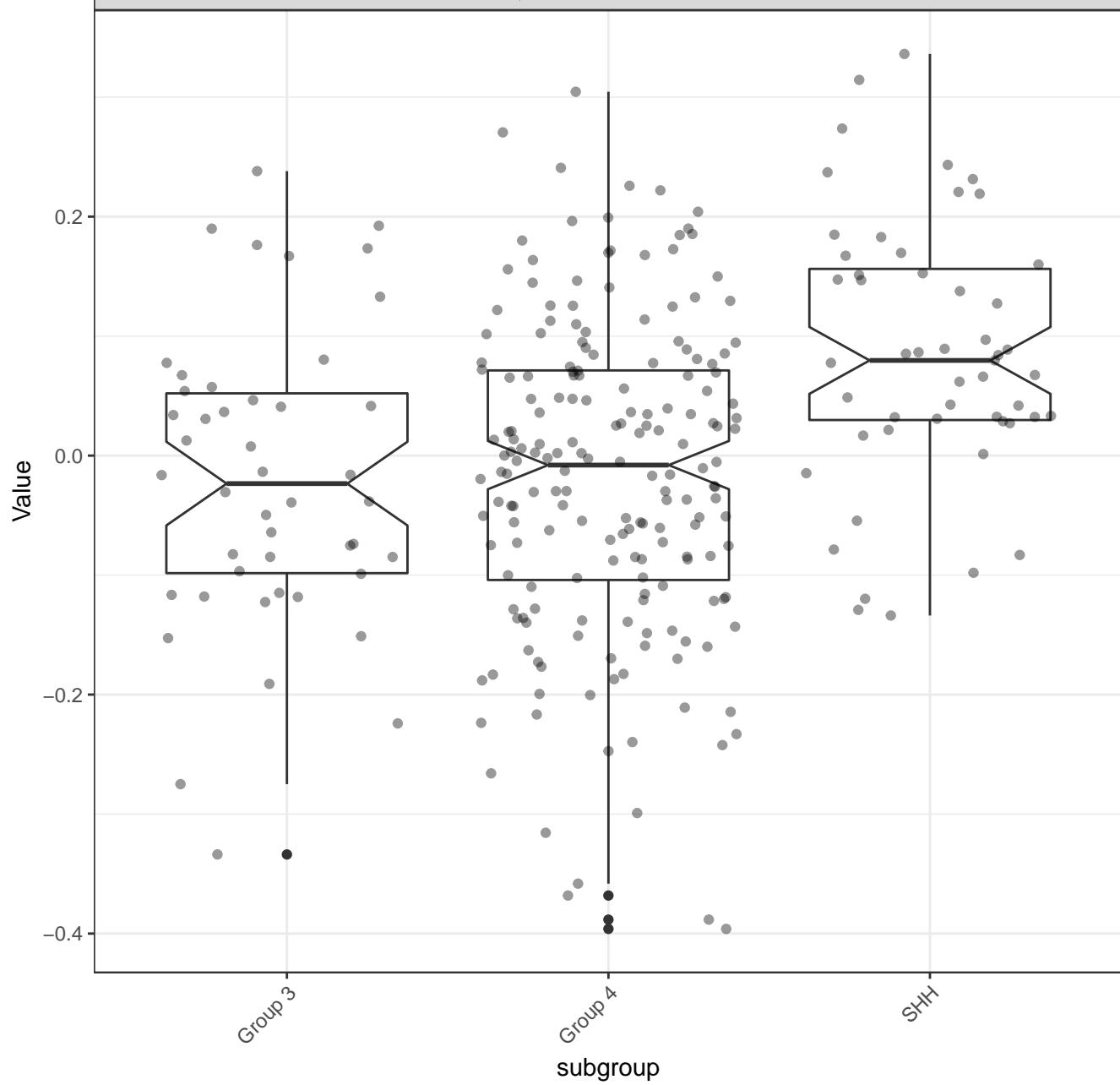


37,MIPS_60S_RIBOSOMAL_SUBUNIT_CYTOPLASMIC

Value



38,PID_PLK1_PATHWAY



39,SVM Dendritic cells resting

Value

0.10

0.05

0.00

-0.05

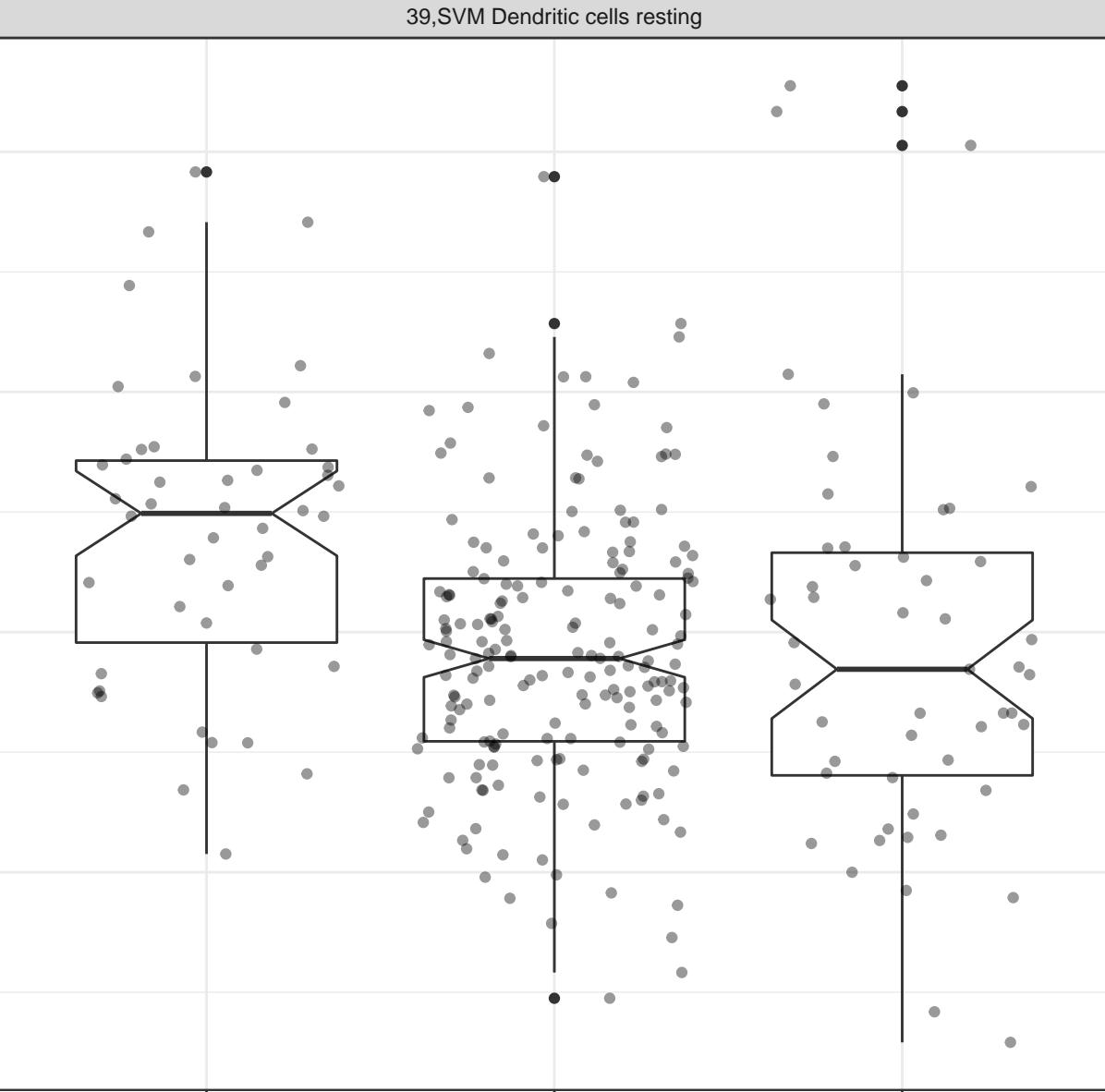
Group 3

subgroup

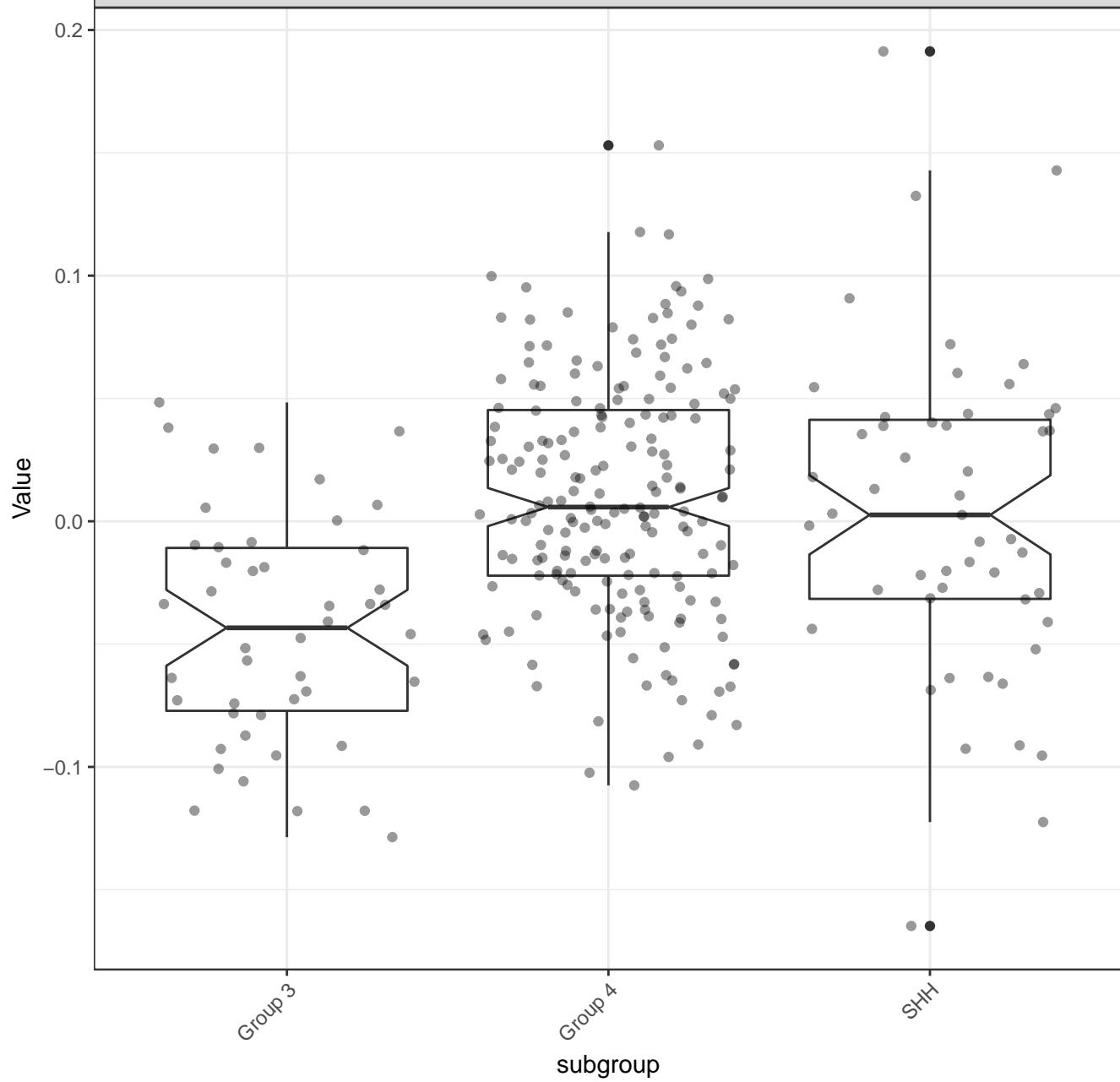
SHH

Group 4

subgroup



LV 40



LV 41

Value

0.04

0.00

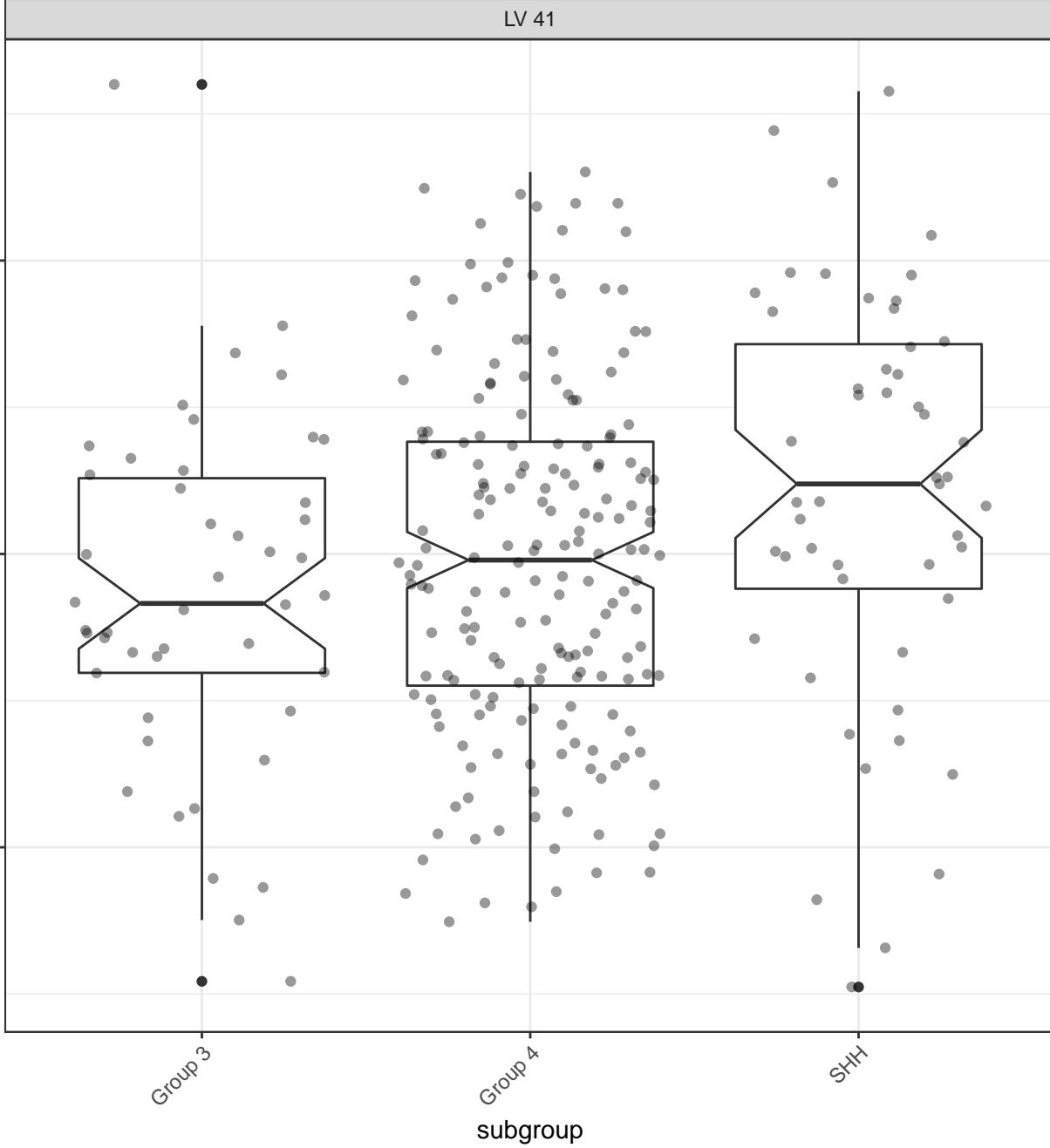
-0.04

Group 3

Group 4

SHH

subgroup



42,DMAP_HSC1

Value

0.10

0.05

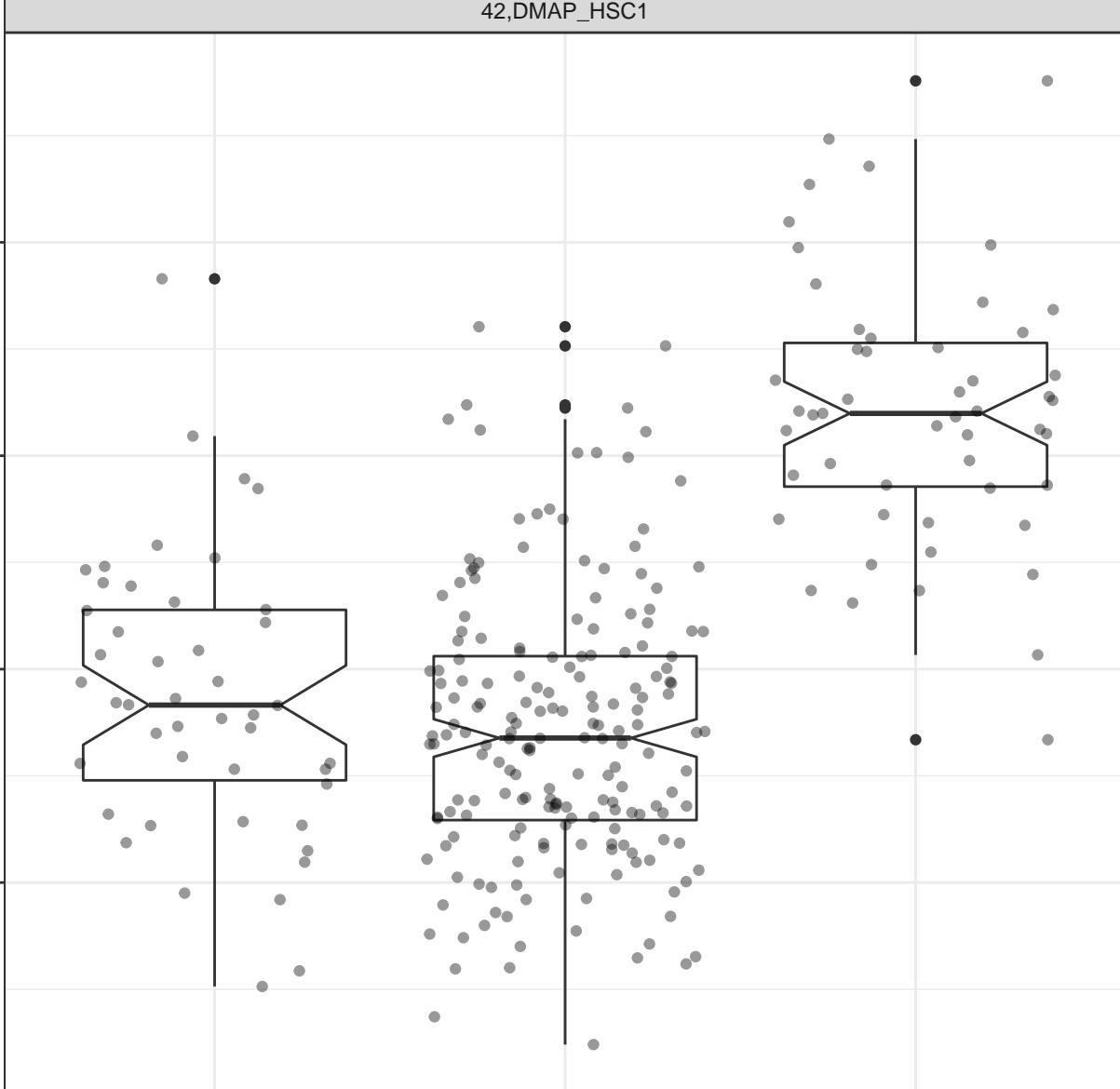
0.00

-0.05

Group 3

subgroup

SHH



LV 43

Value

0.05

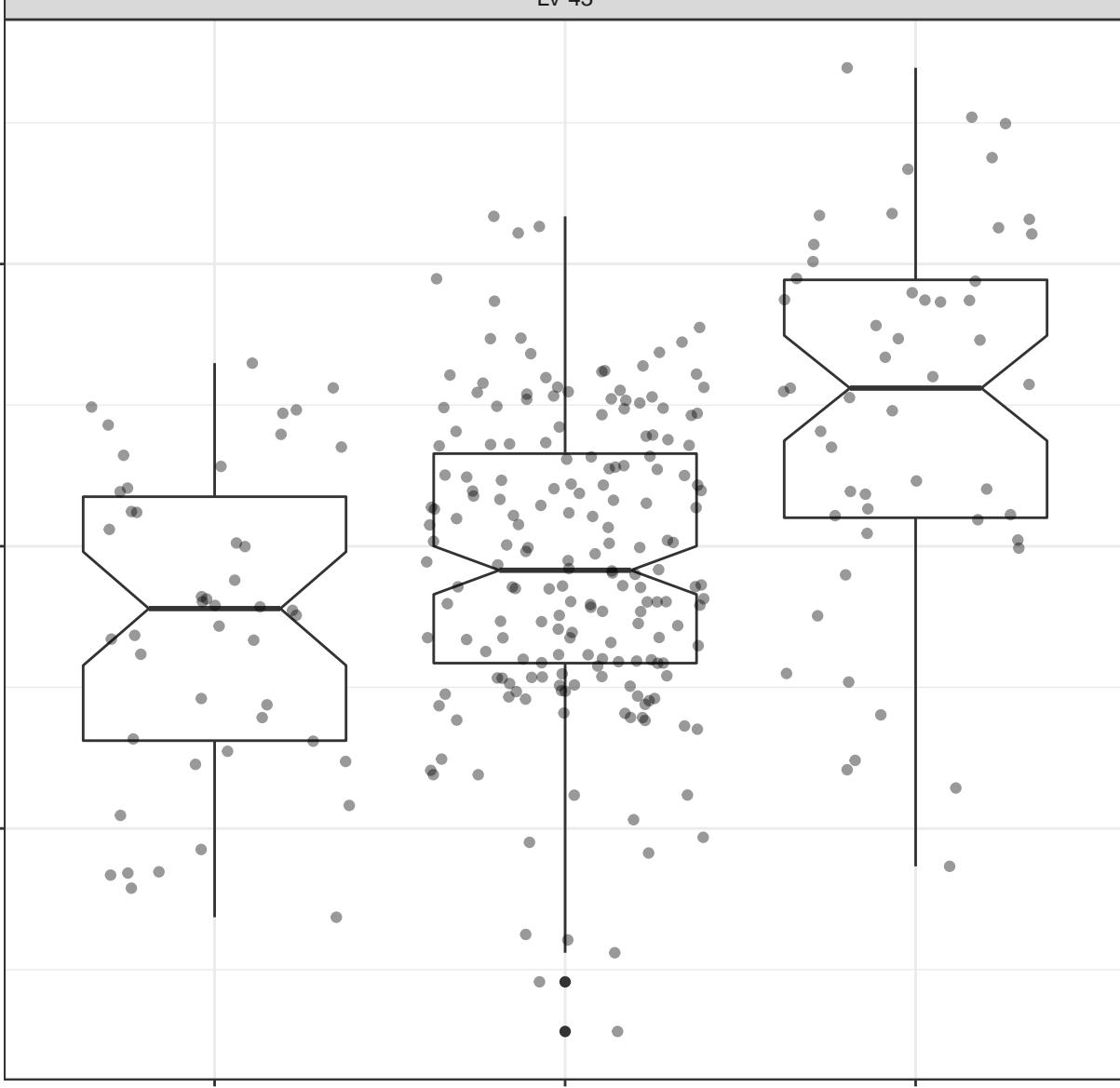
0.00

-0.05

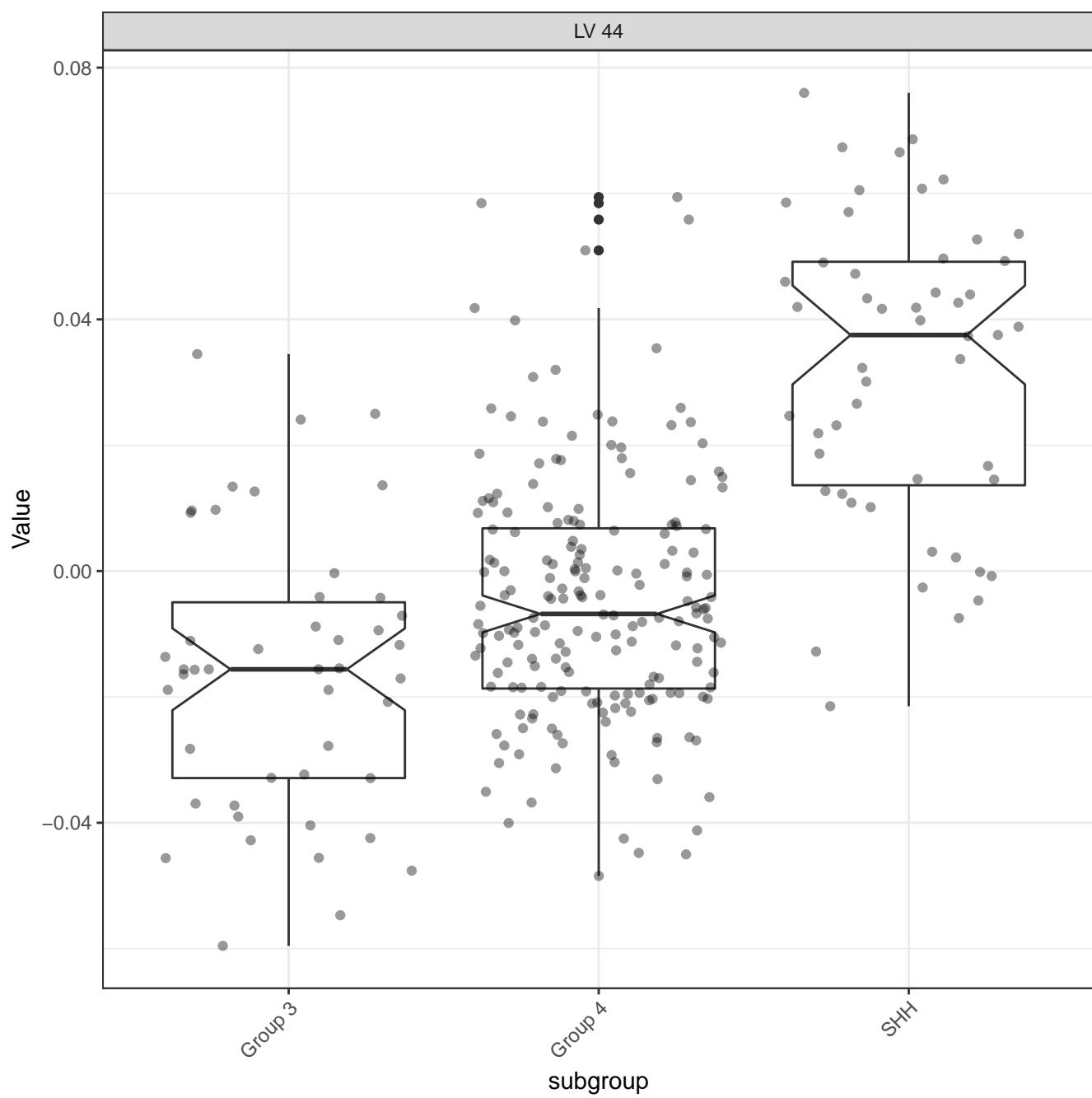
Group 3

subgroup

SHH



LV 44



45,REACTOME_RNA_POL_I_PROMOTER_OPENING

Value

0.2

0.1

0.0

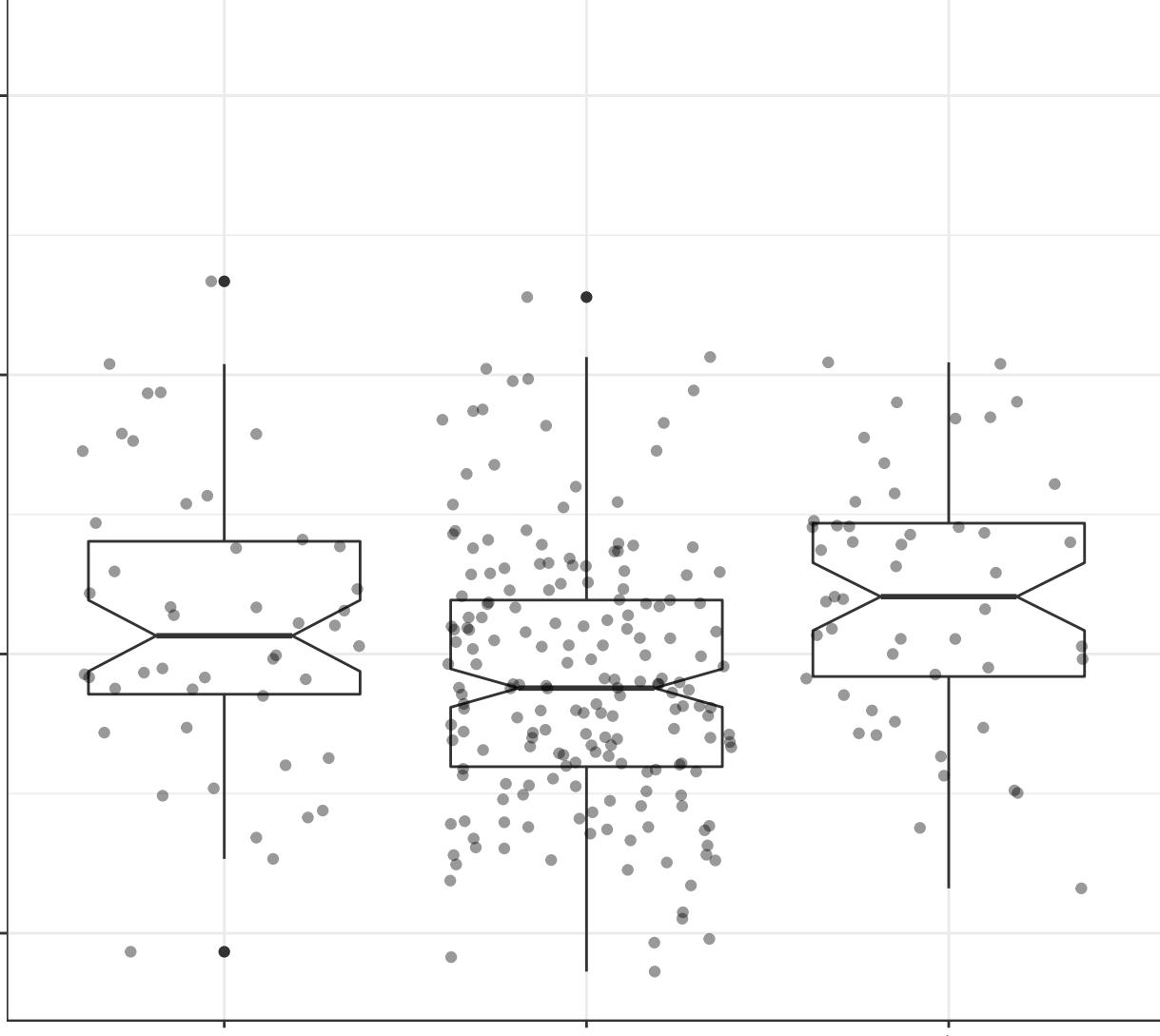
-0.1

Group 3

Group 4

SHH

subgroup



LV 46

Value

0.10

0.05

0.00

-0.05

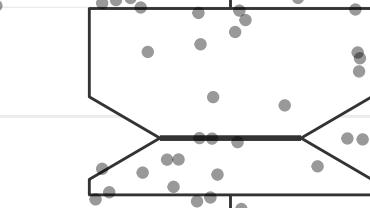
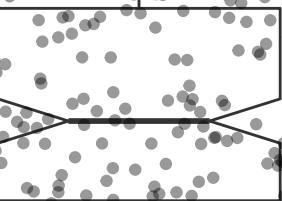
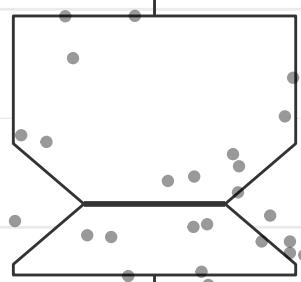
-0.10

Group 3

Group 4

SHH

subgroup



LV 47

Value

0.05

0.00

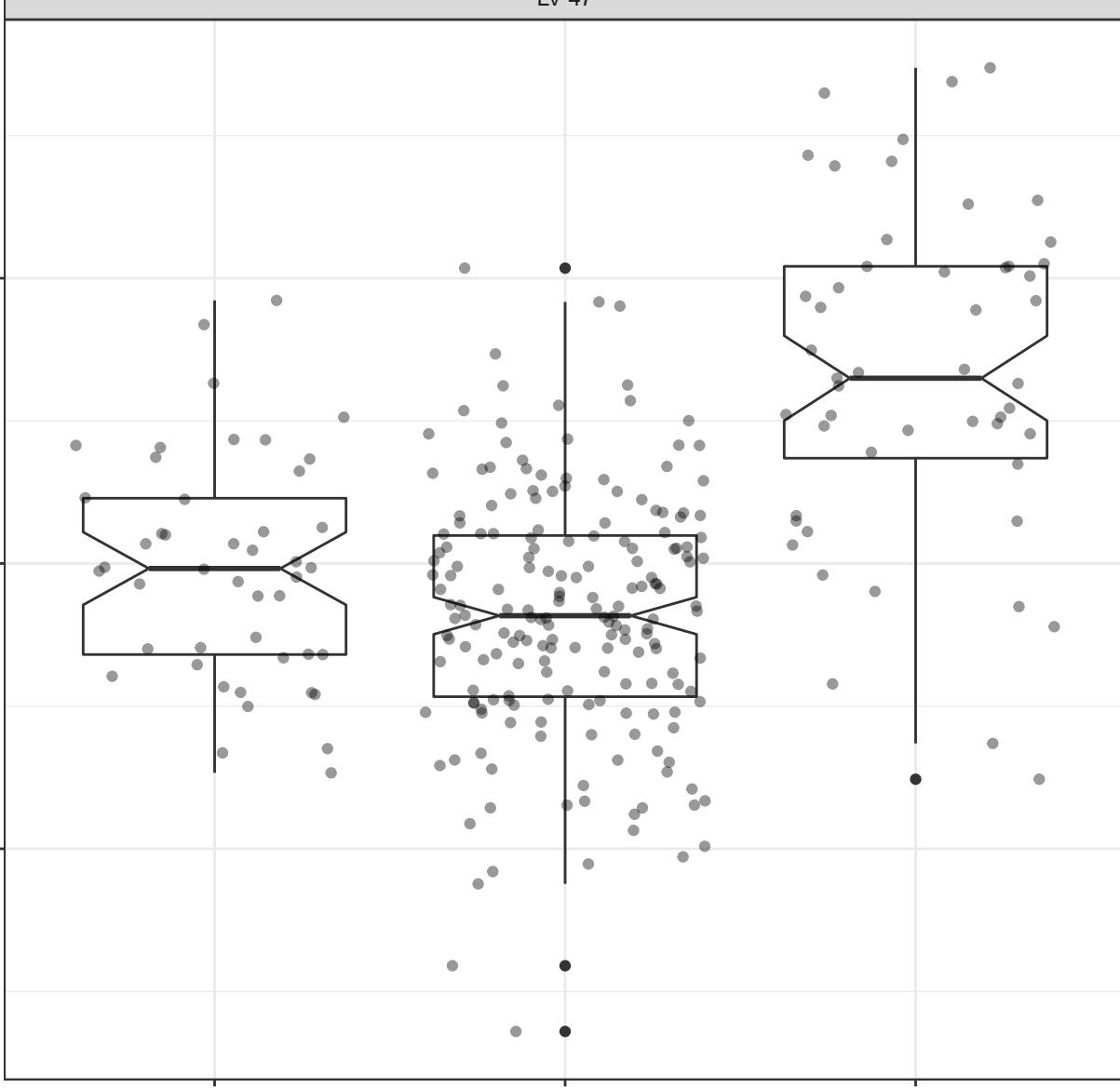
-0.05

Group 3

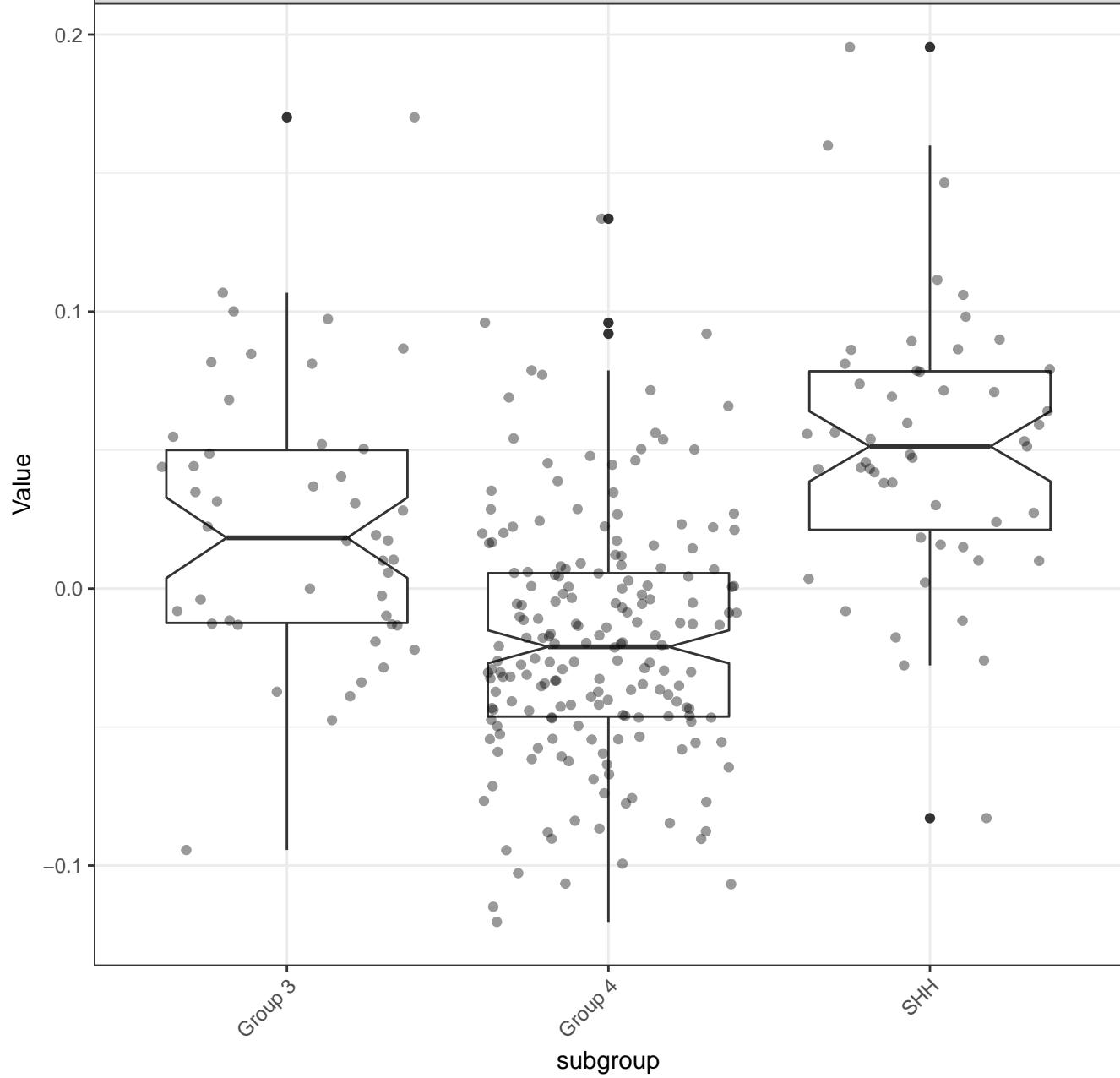
Group 4

SHH

subgroup



48,MIPS_RIBOSOME_CYTOPLASMIC



49,KEGG_DILATED_CARDIOMYOPATHY

Value

0.2

0.1

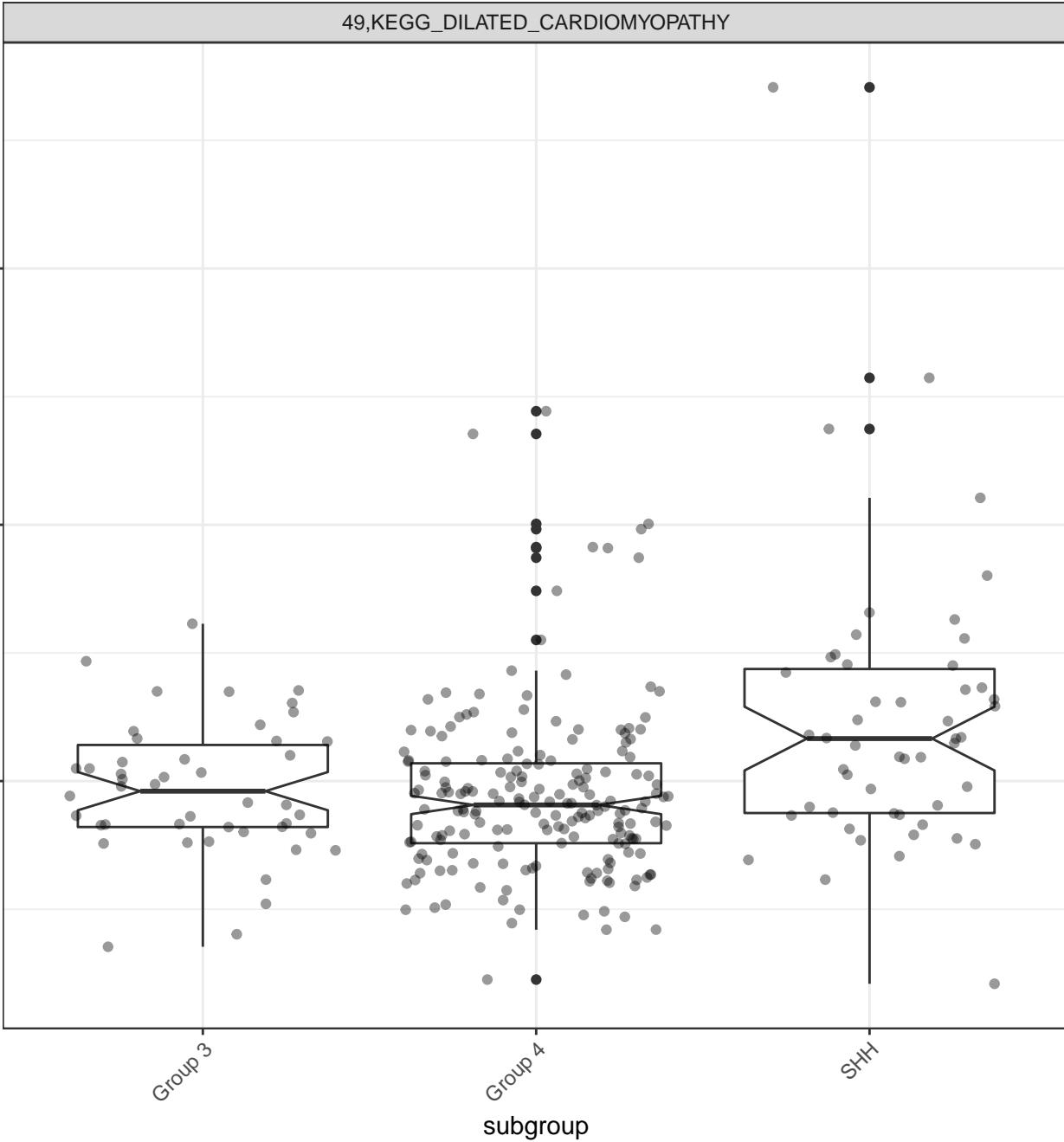
0.0

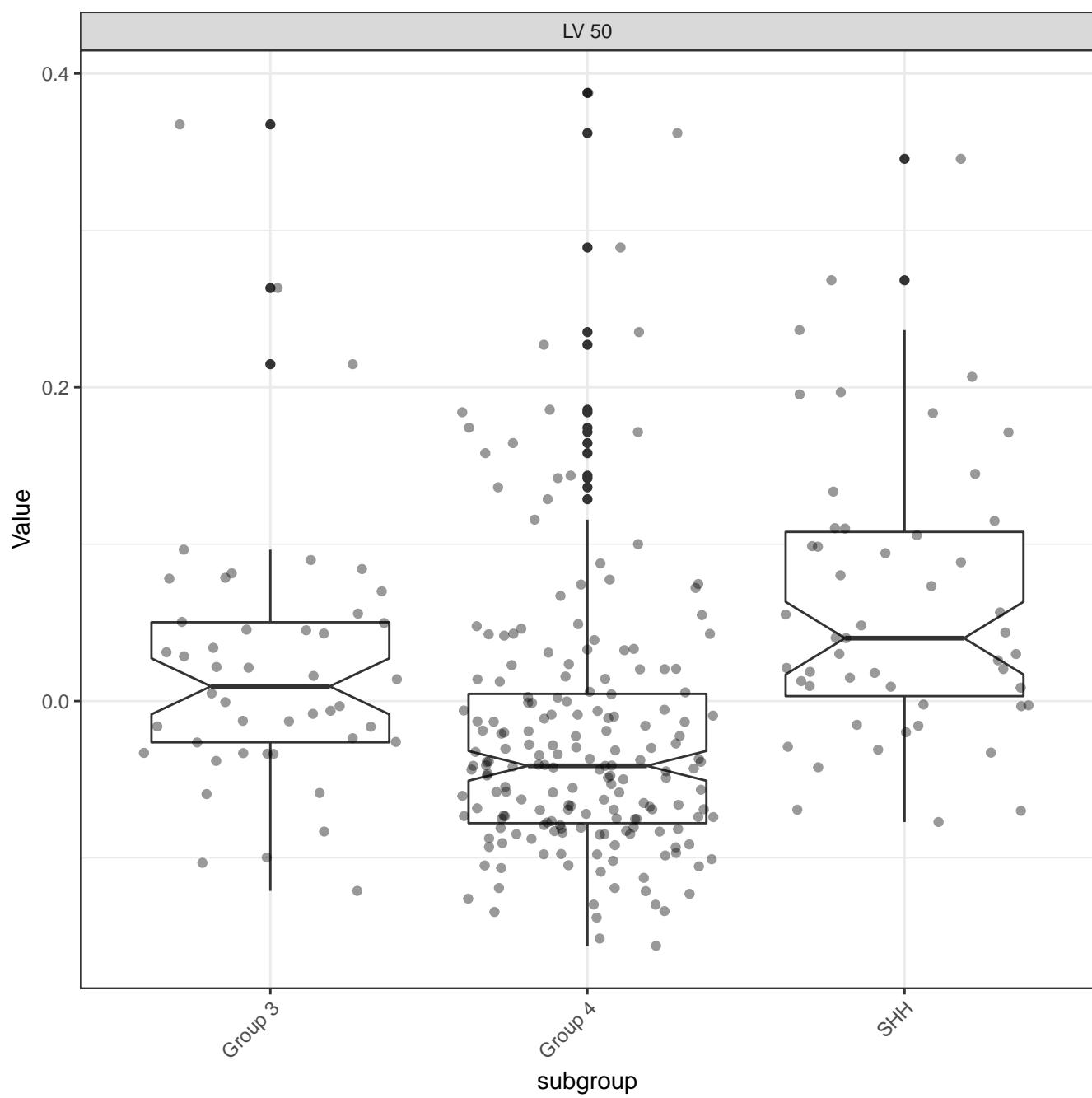
Group 3

Group 4

SHH

subgroup





LV 51

Value

0.05

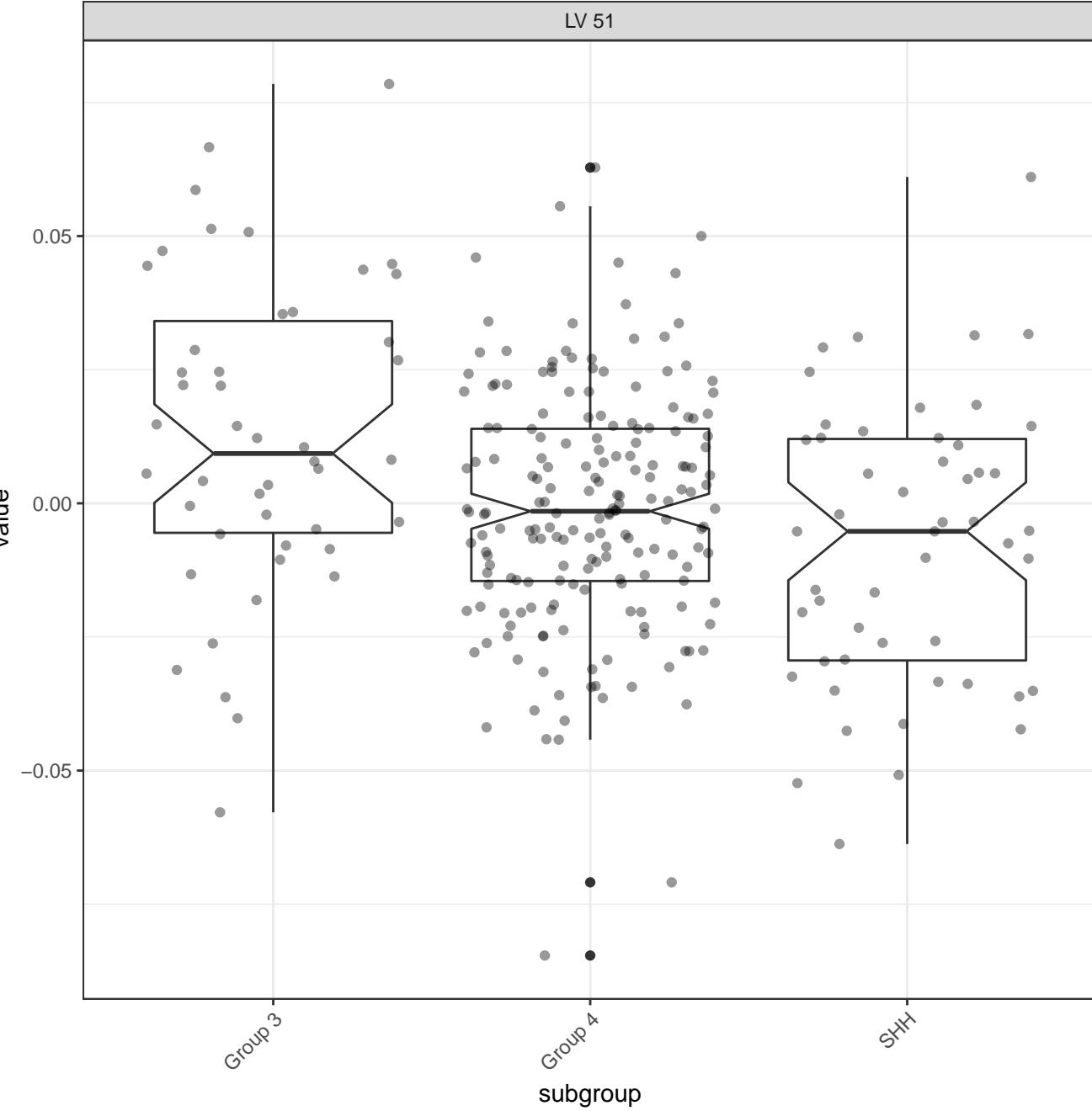
0.00

-0.05

Group 3

subgroup

SHH



LV 52

Value

0.10

0.05

0.00

-0.05

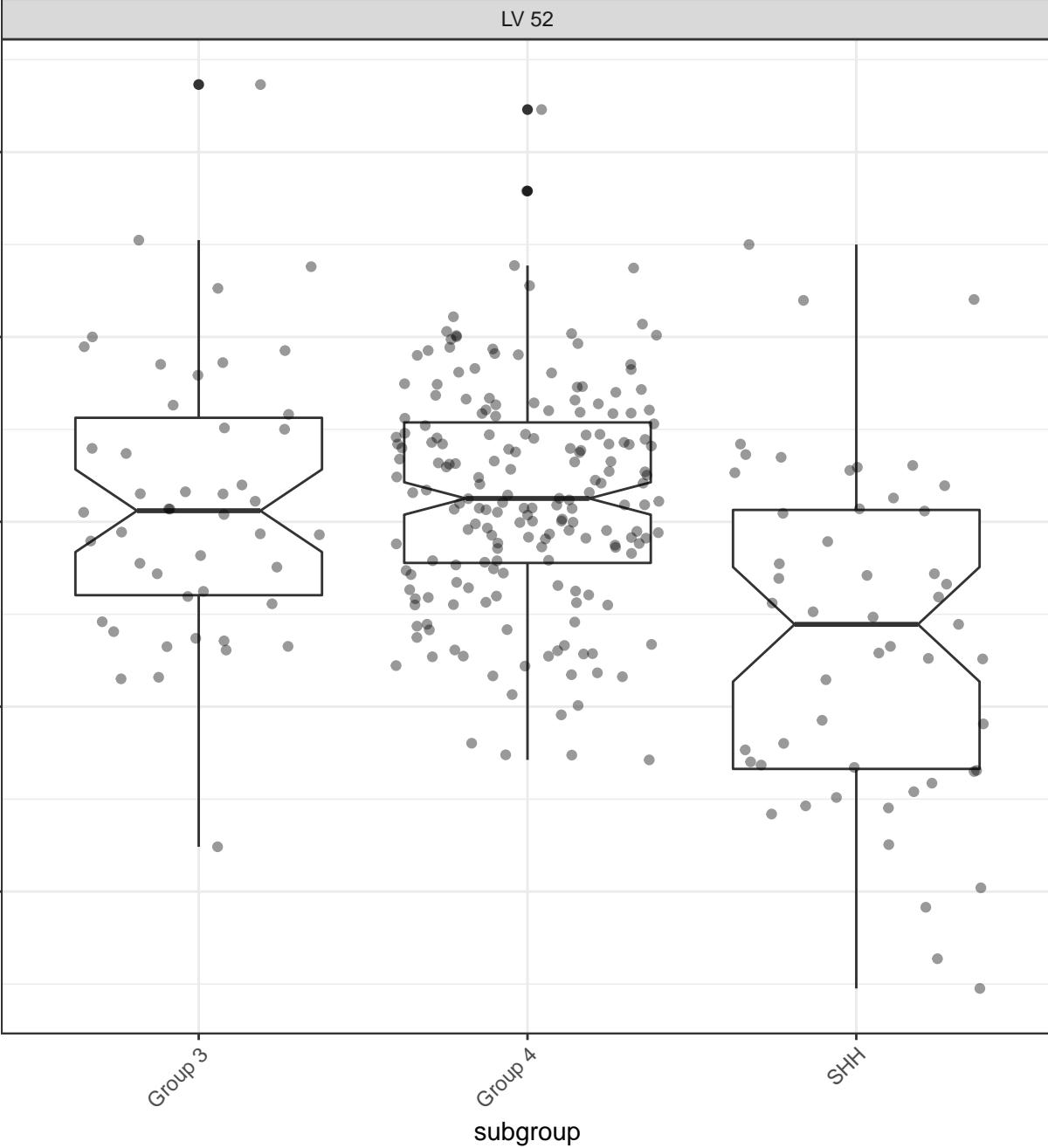
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.4

0.2

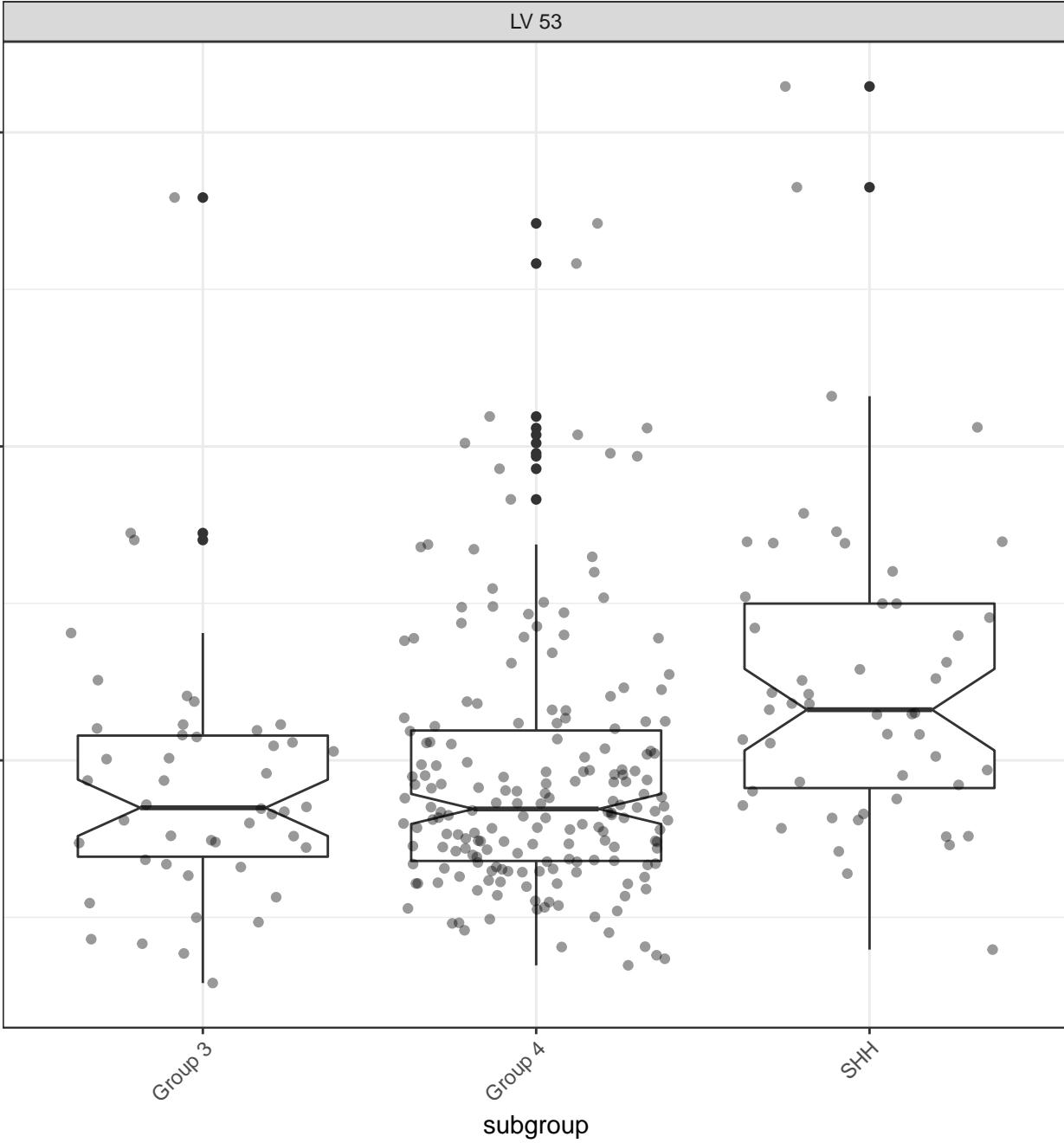
0.0

Group 3

Group 4

SHH

subgroup



LV 54

Value

0.10

0.05

0.00

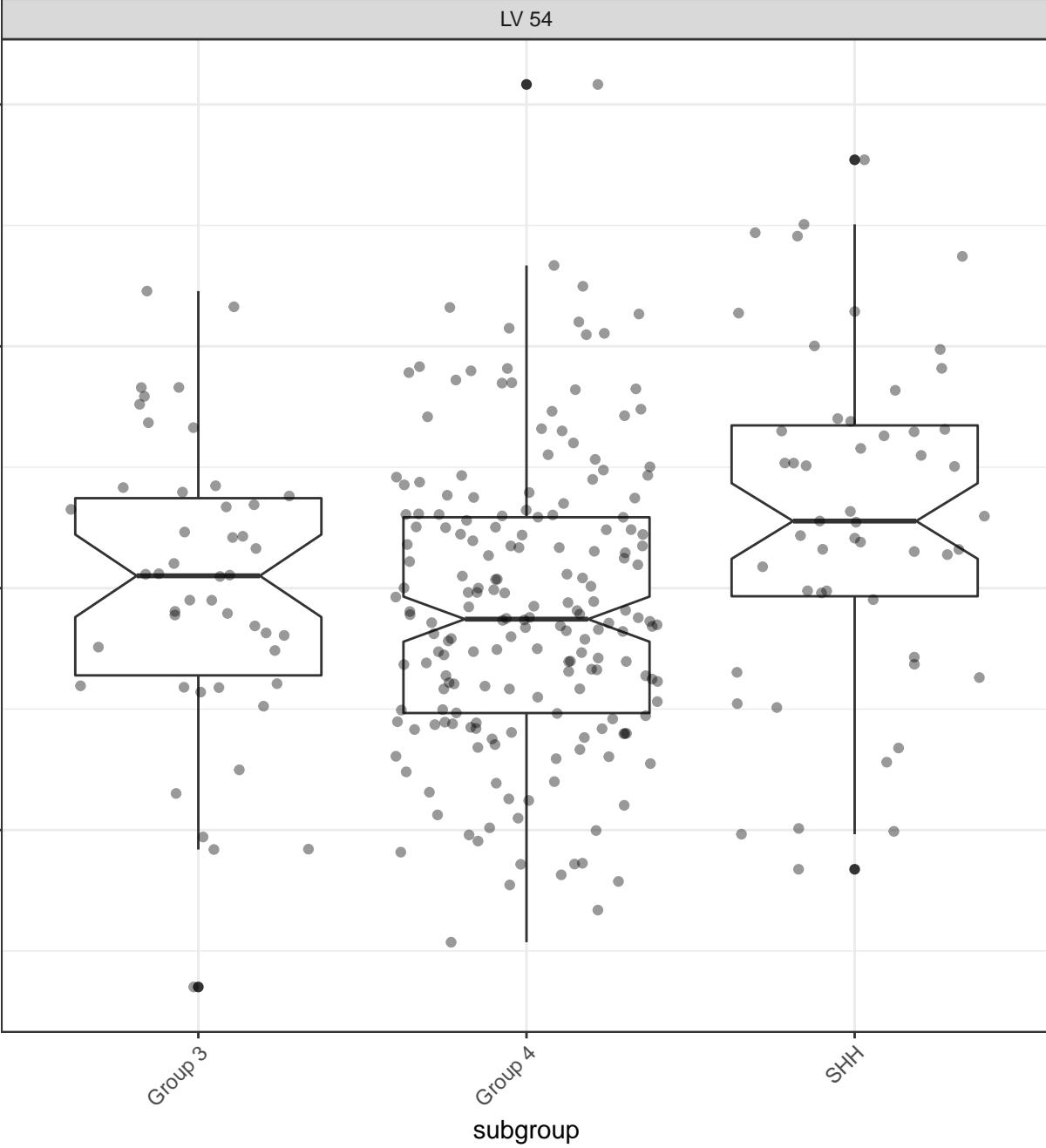
-0.05

Group 3

Group 4

SHH

subgroup



LV 55

Value

0.10

0.05

0.00

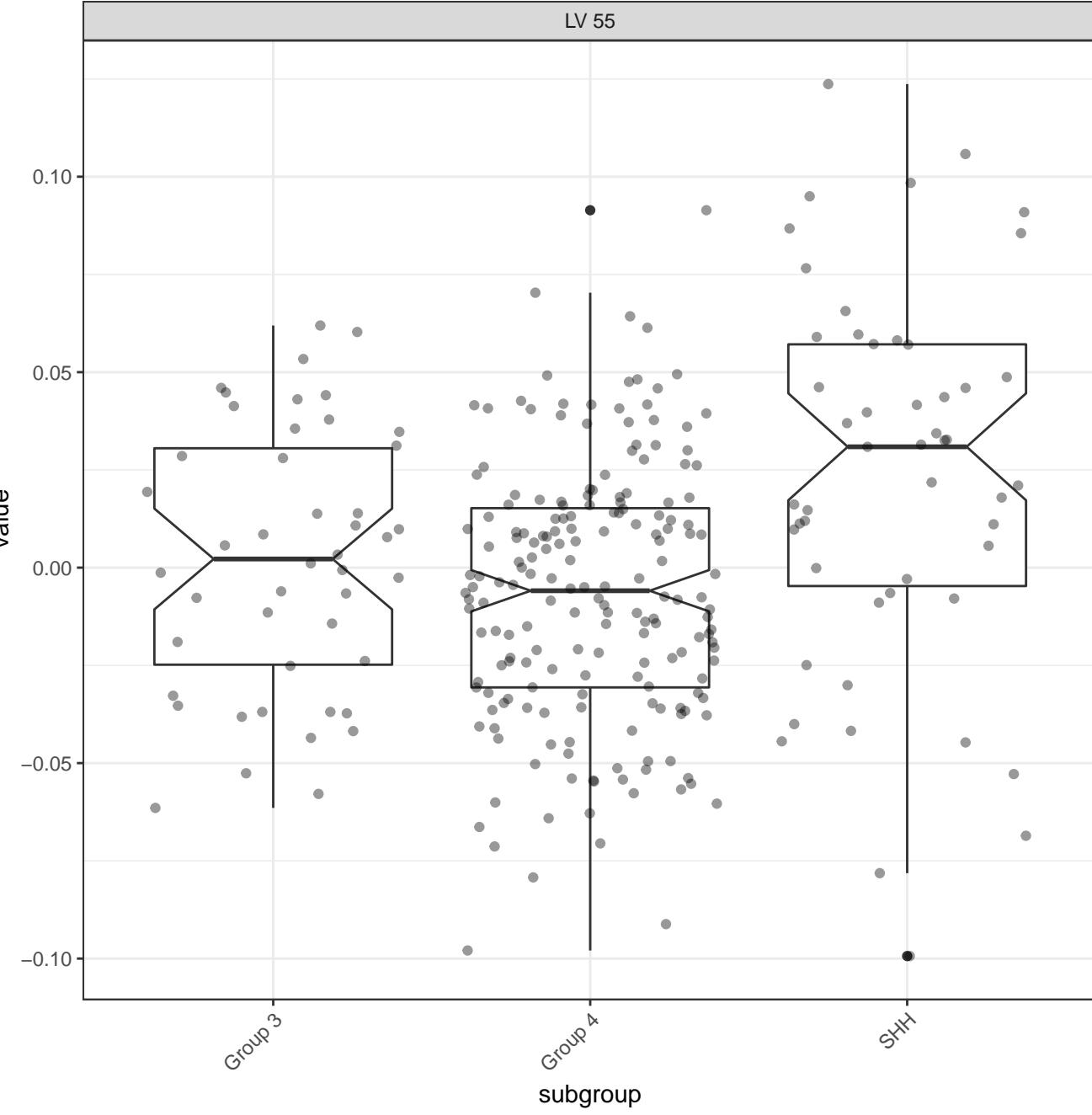
-0.05

-0.10

Group 3

subgroup

SHH



LV 56

Value

0.1

0.0

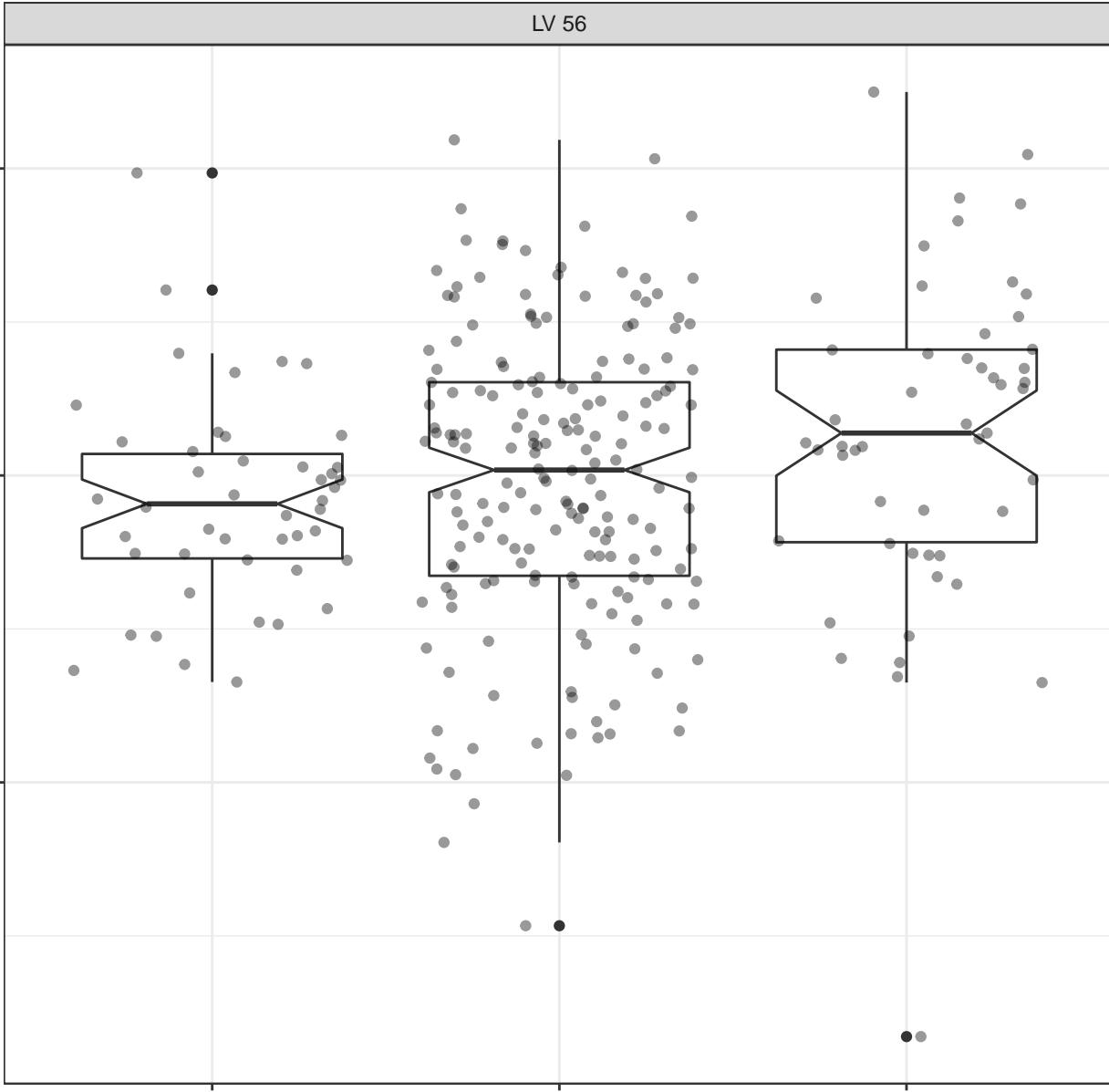
-0.1

Group 3

Group 4

SHH

subgroup



57,SVM T cells CD4 memory activated

Value

0.10

0.05

0.00

-0.05

-0.10

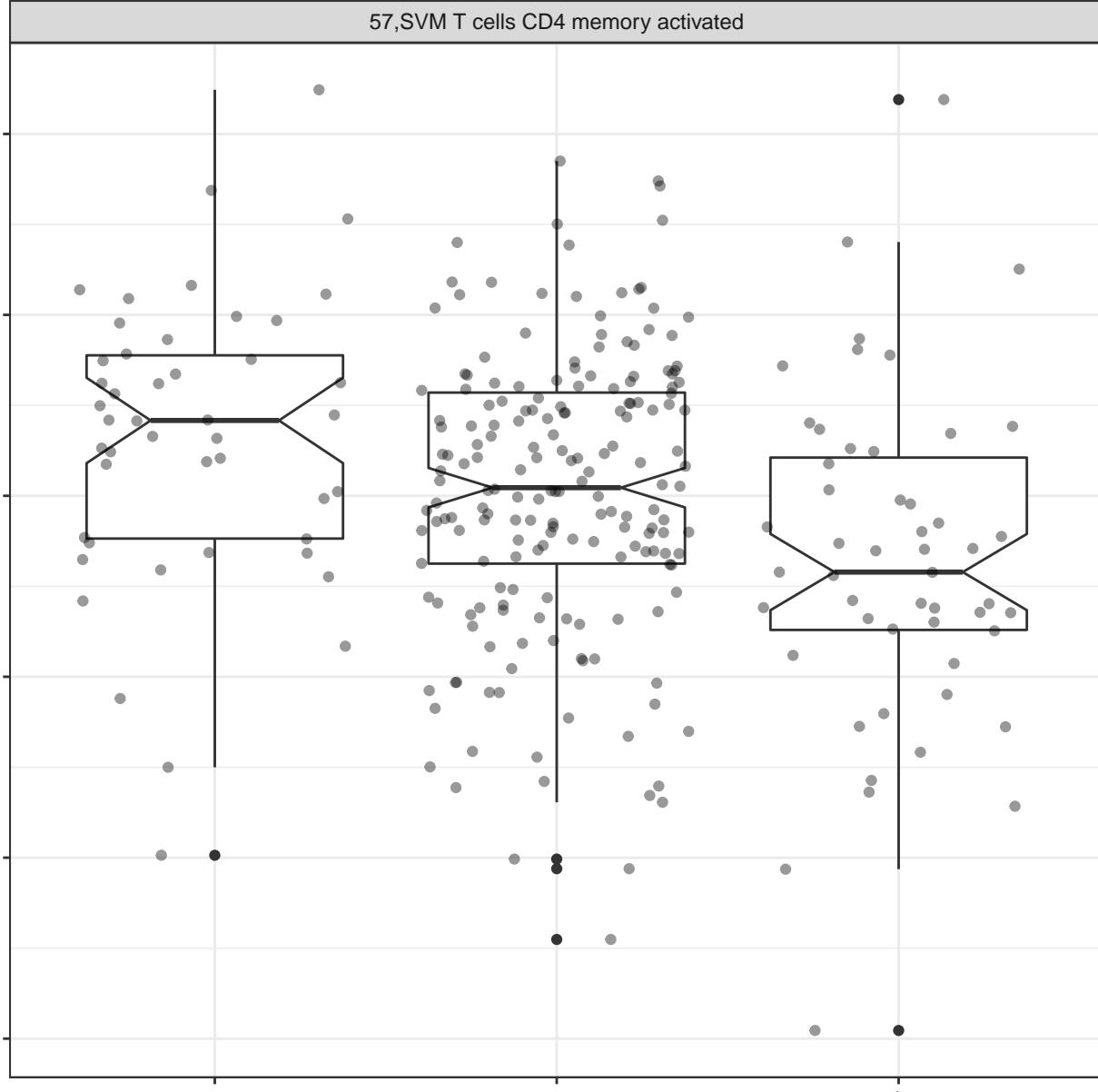
-0.15

Group 3

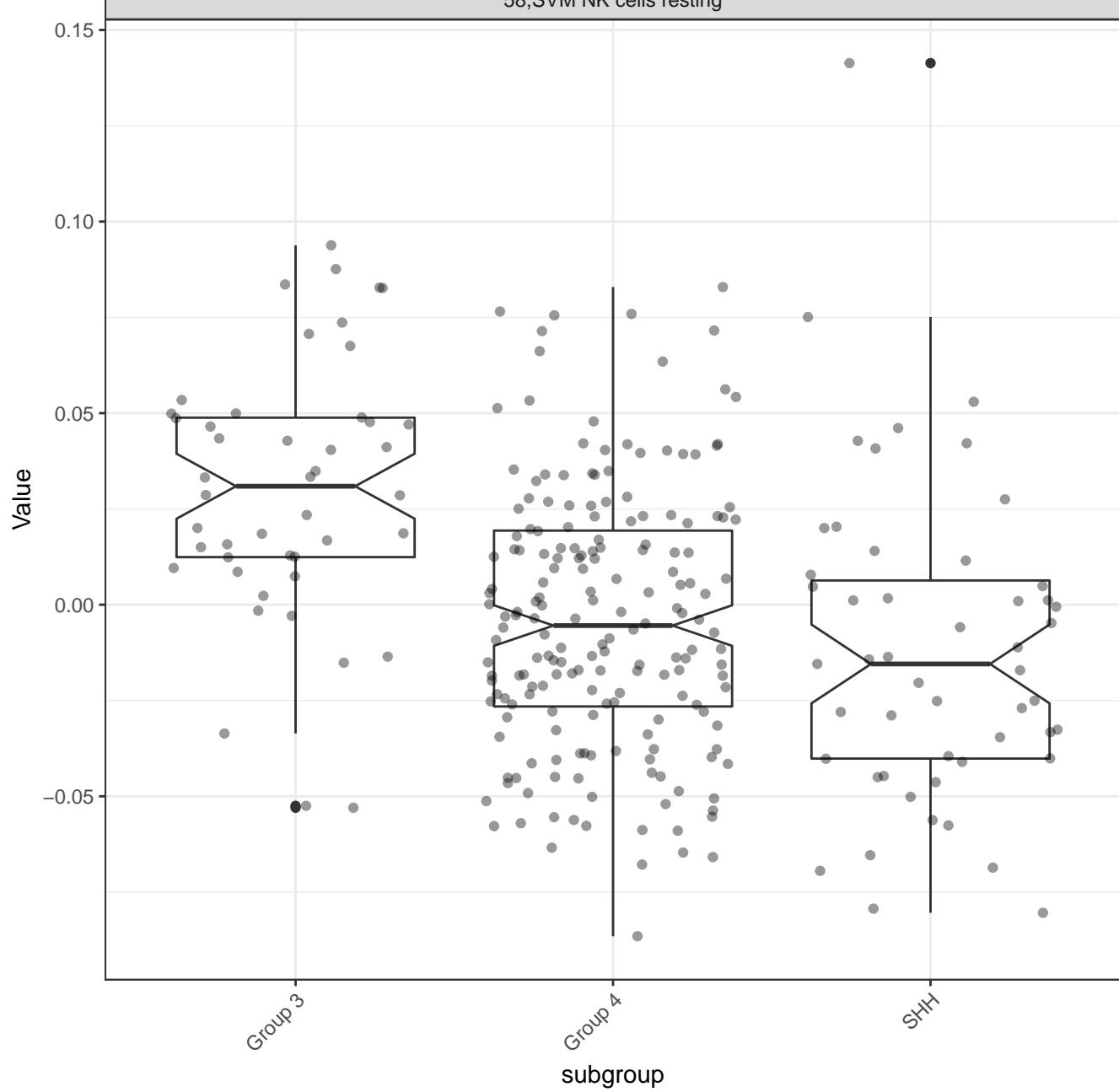
subgroup

Group 4

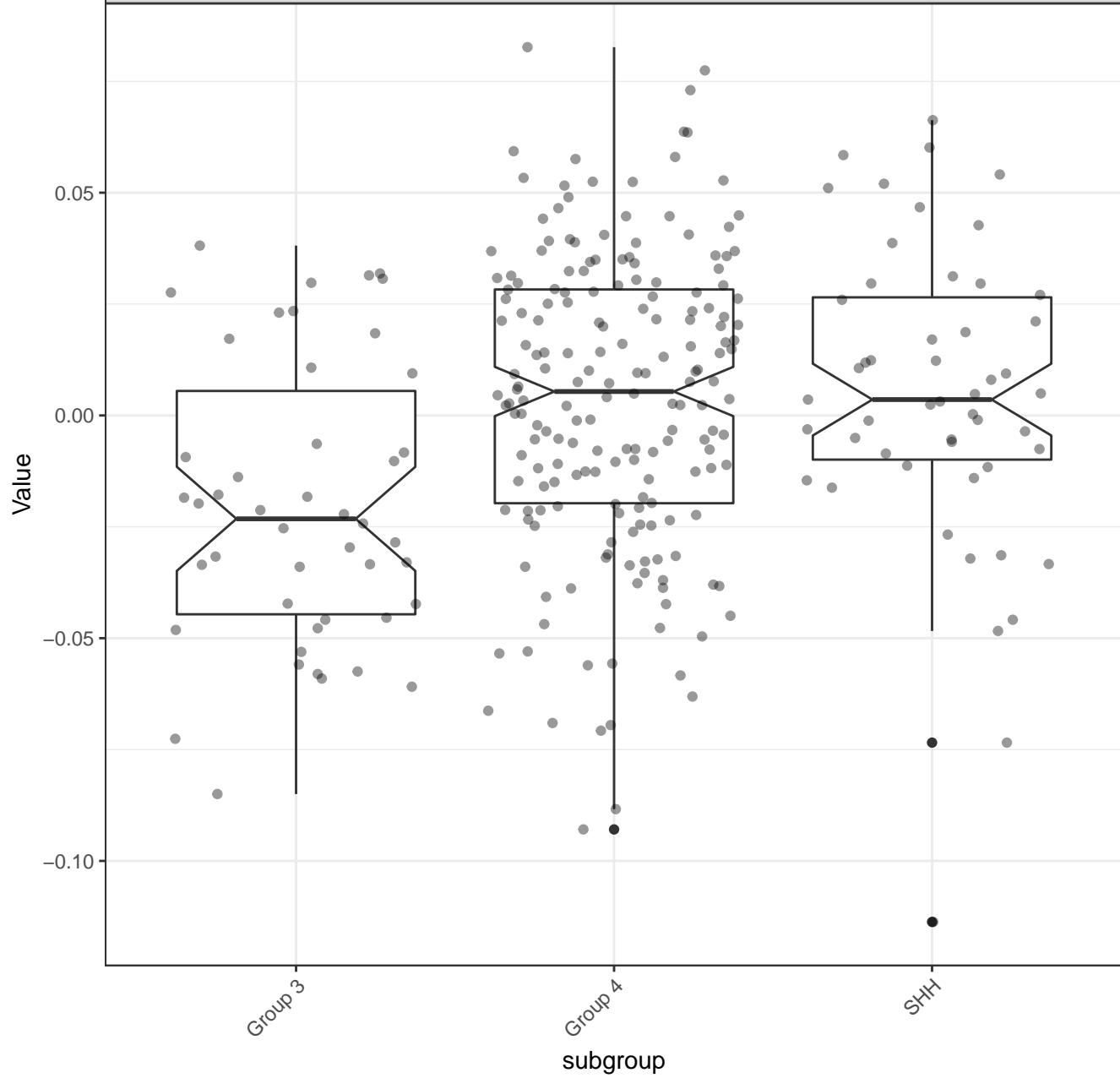
SHH



58,SVM NK cells resting



LV 59



LV 60

Value

0.3

0.2

0.1

0.0

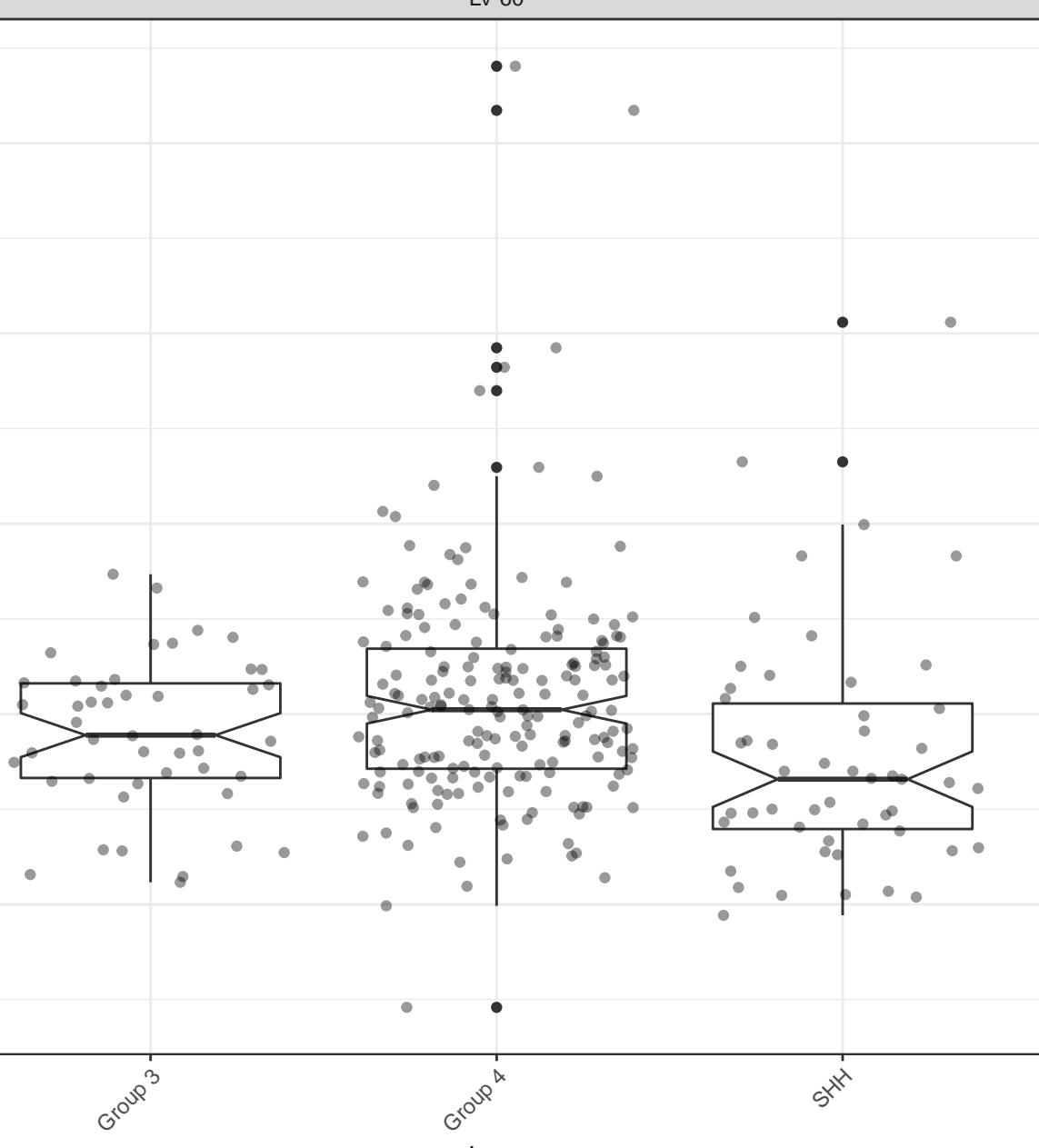
-0.1

Group 3

Group 4

SHH

subgroup



61,DMAP_ERY5

Value

0.15

0.10

0.05

0.00

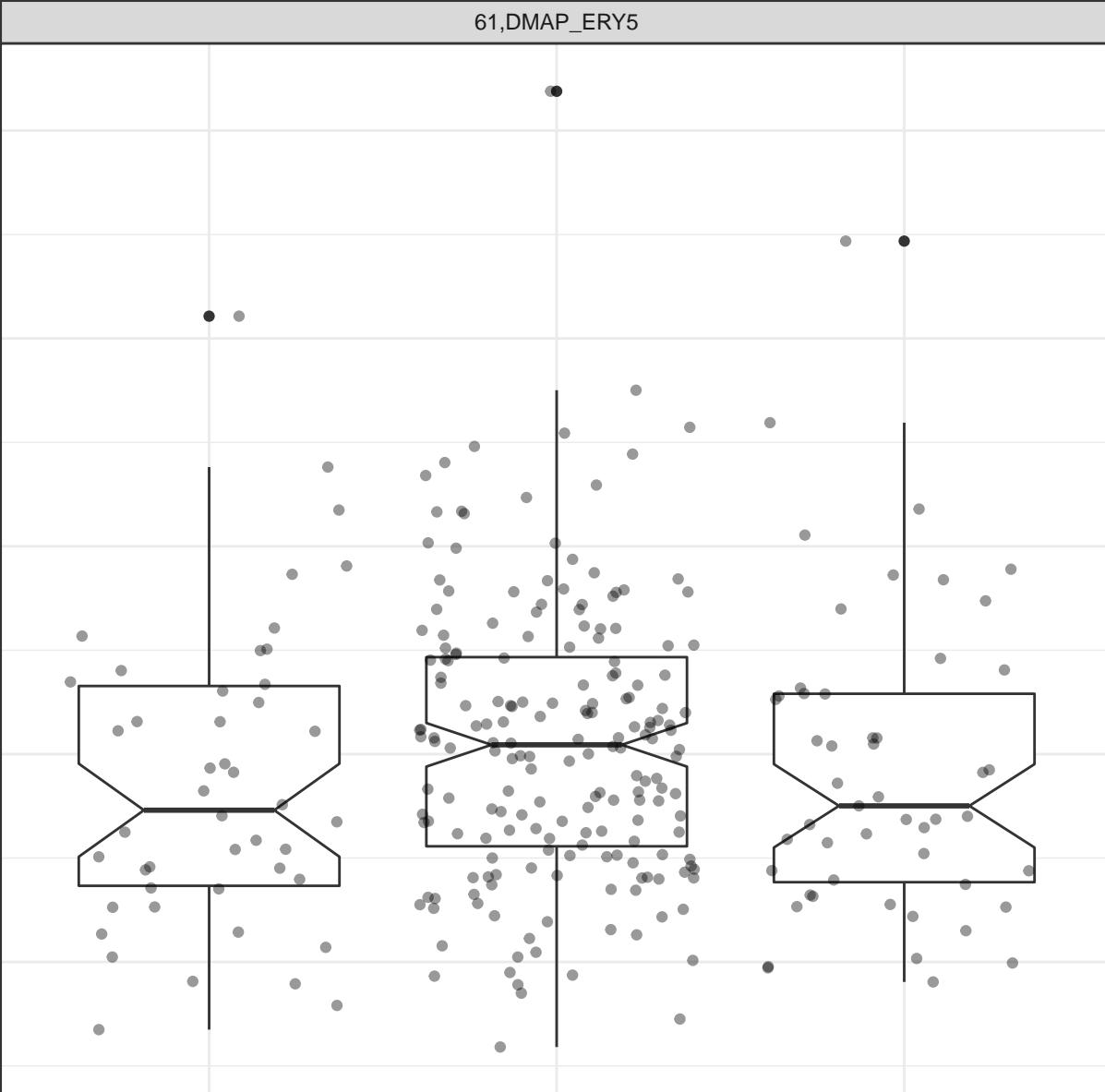
-0.05

Group 3

subgroup

Group 4

SHH



LV 62

Value

0.3

0.2

0.1

0.0

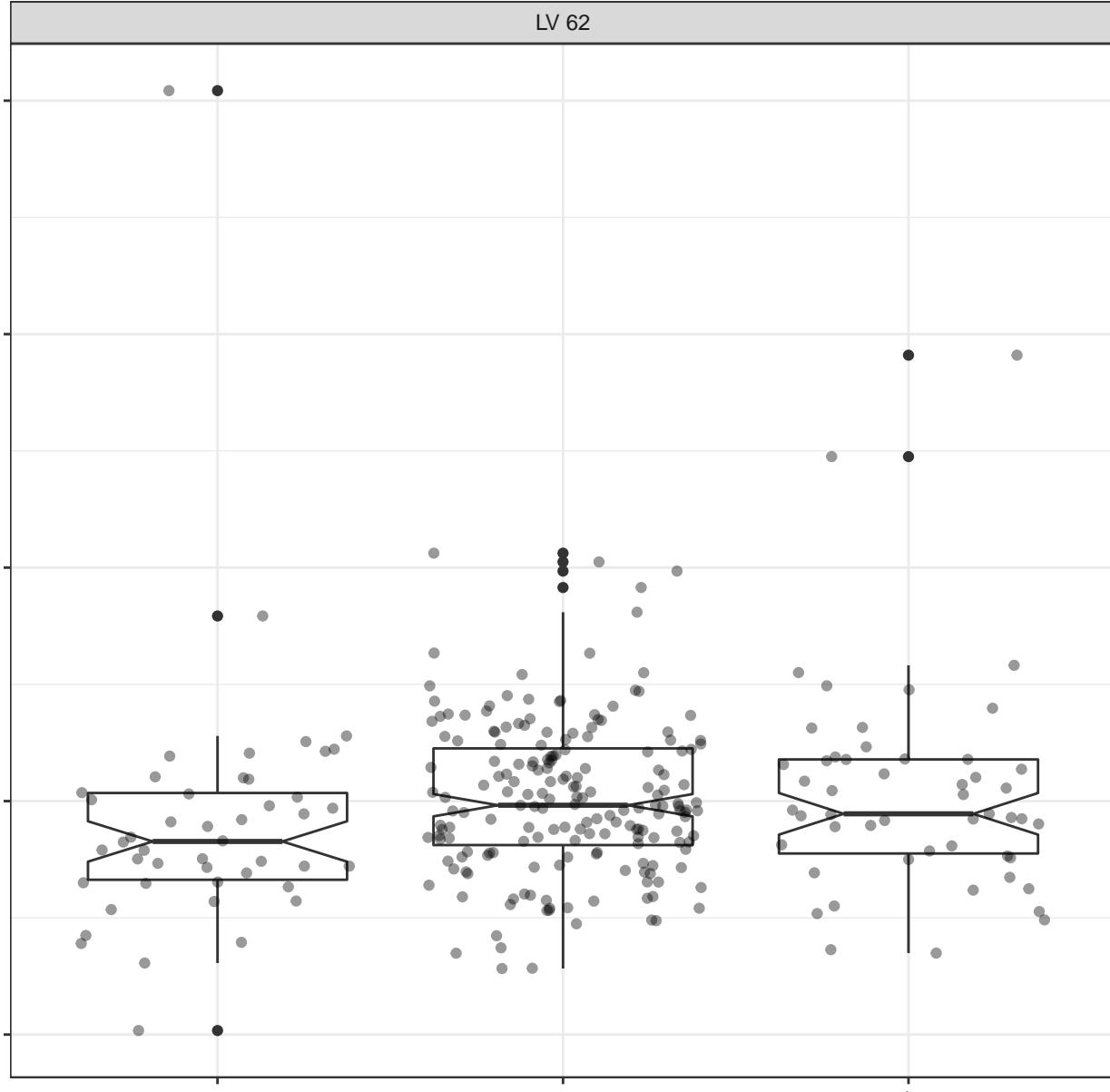
-0.1

Group 3

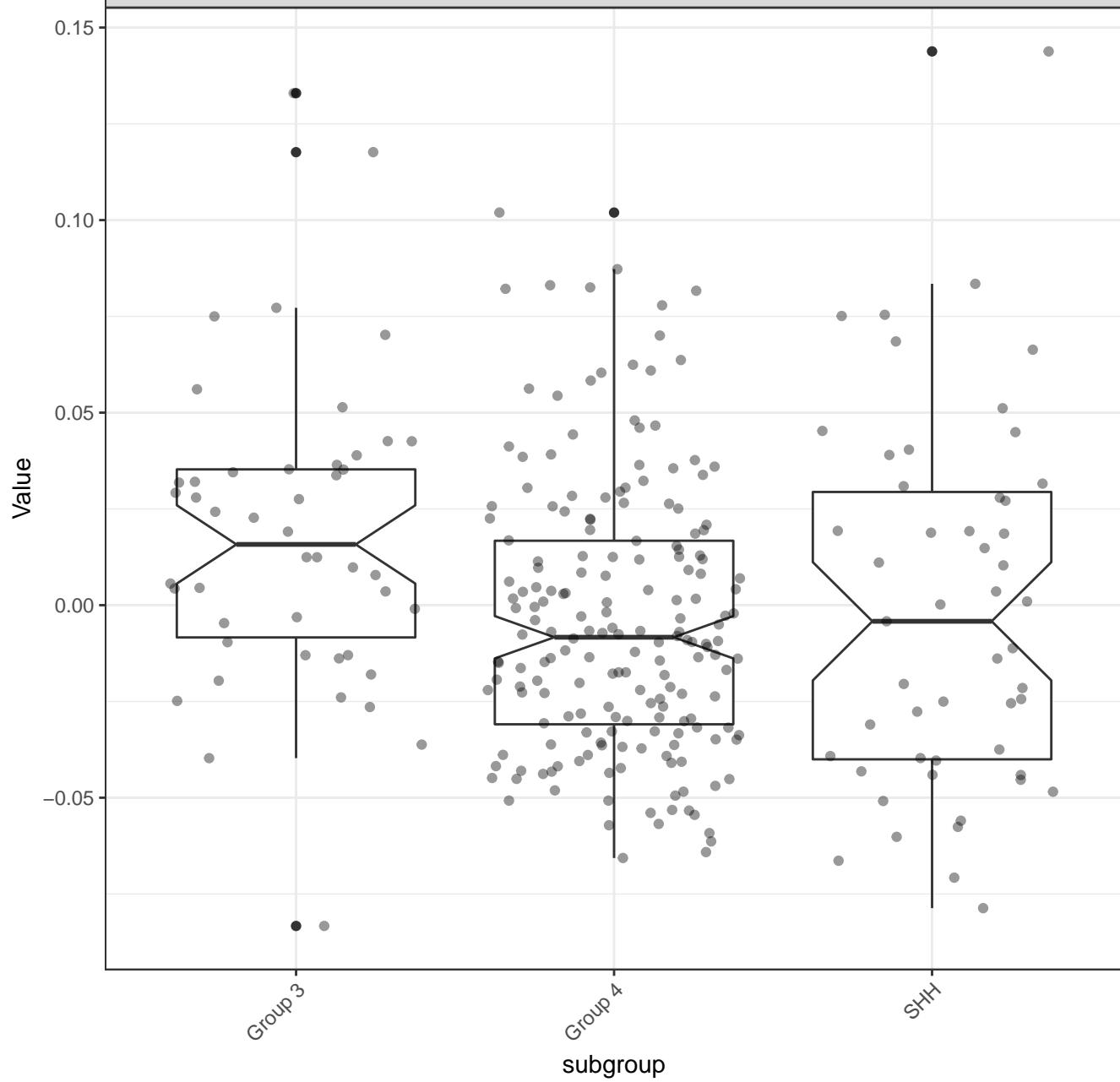
Group 4

SHH

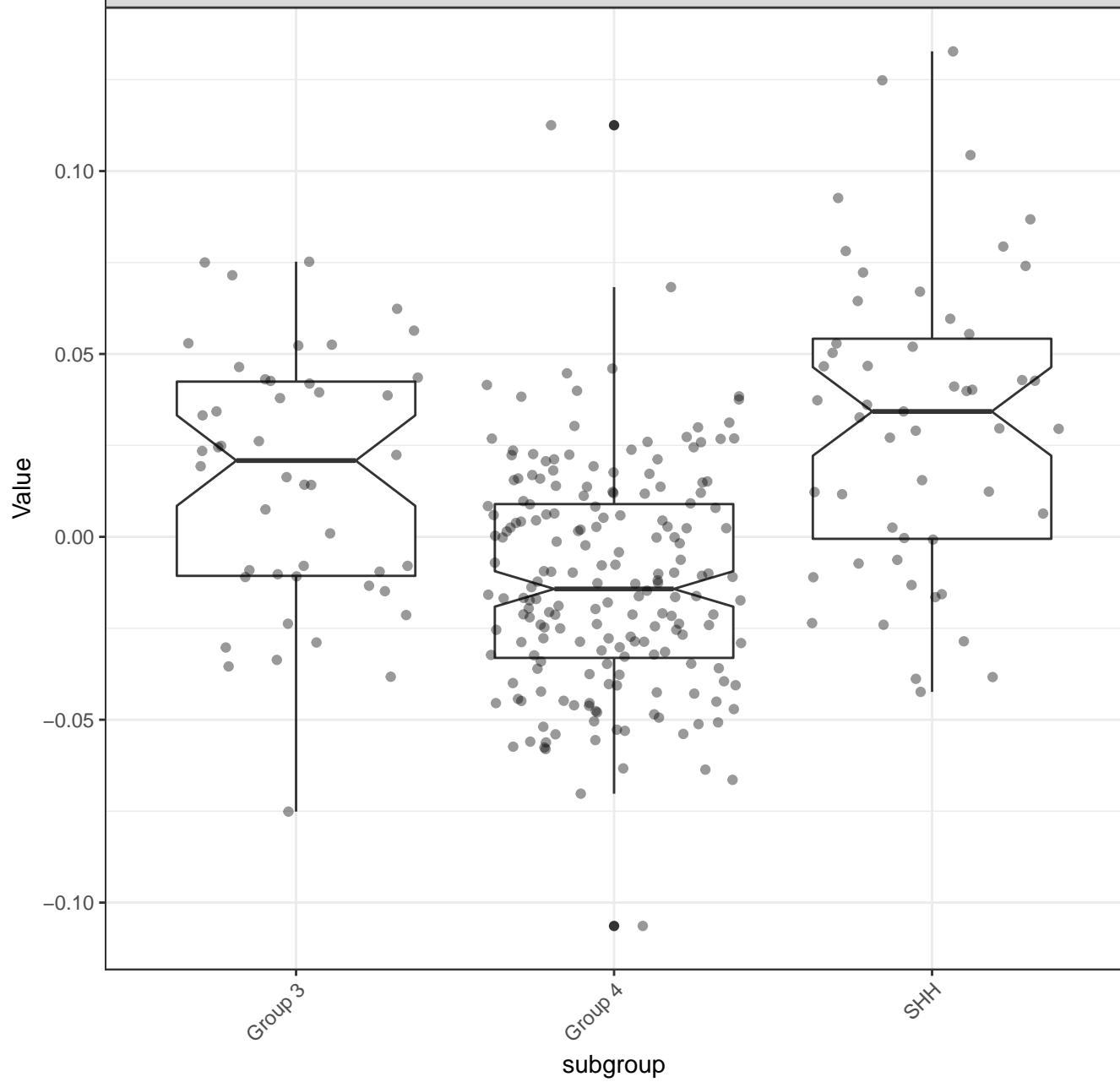
subgroup



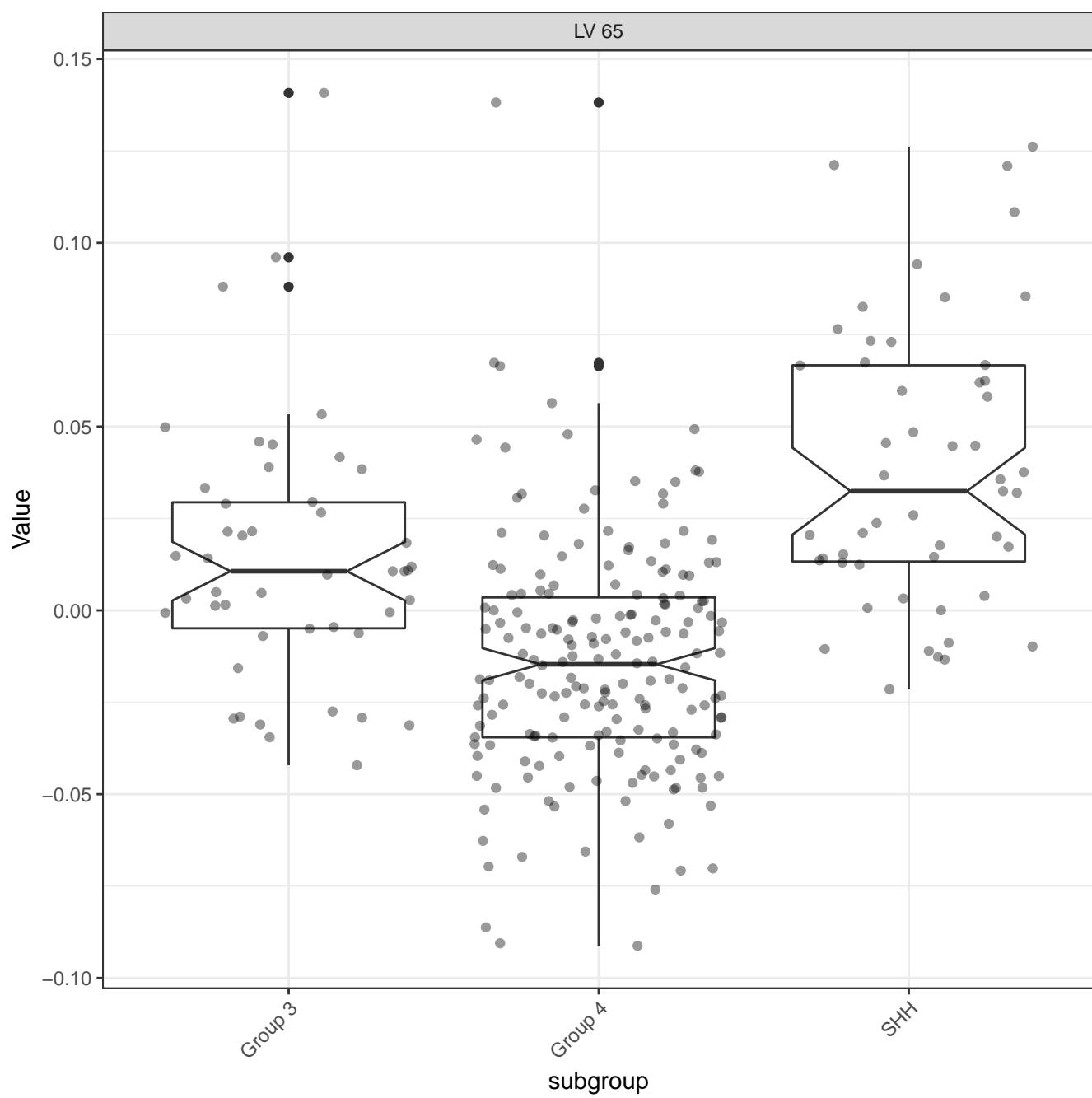
LV 63



LV 64



LV 65



66,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

Value

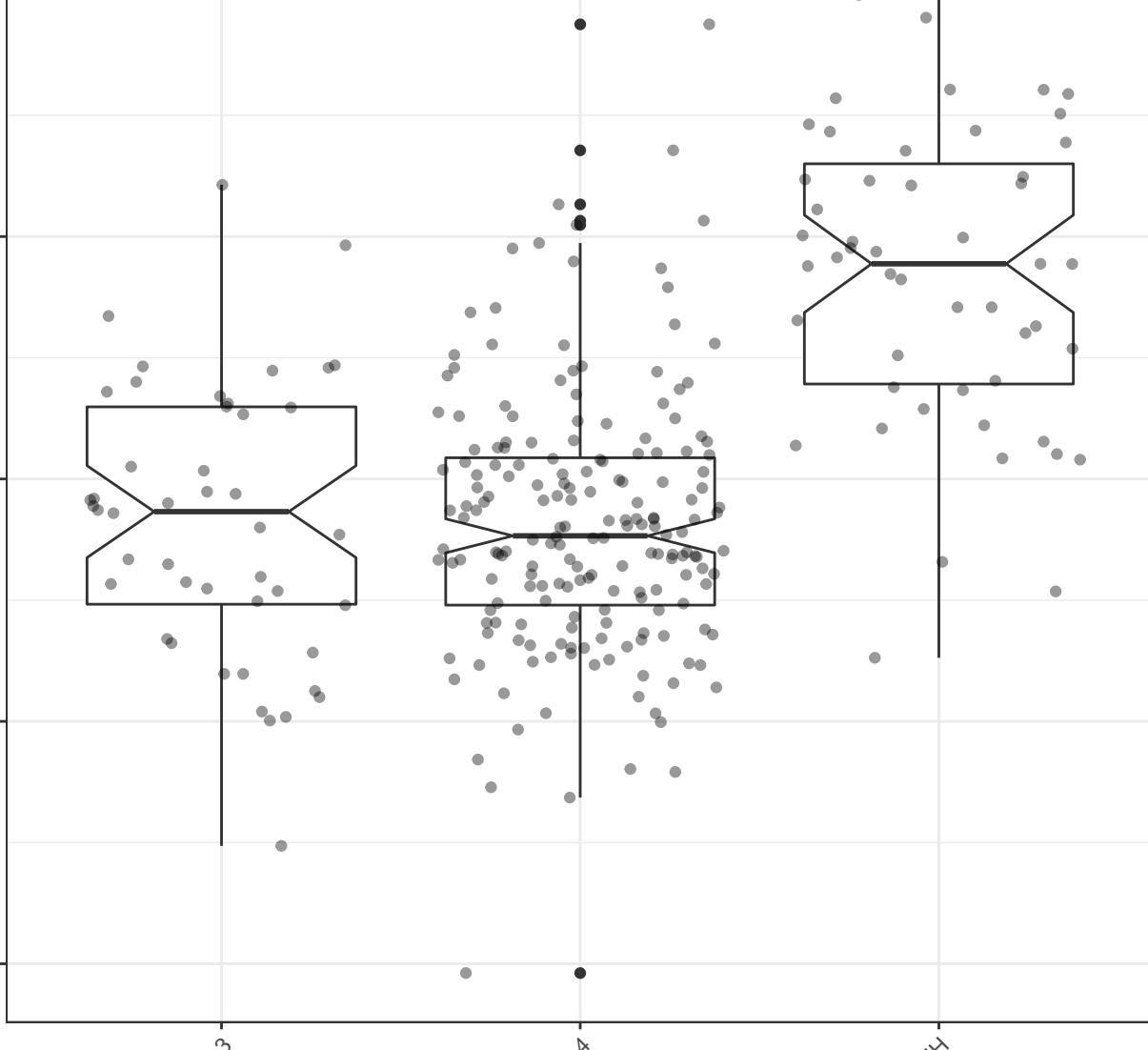
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 67

Value

0.05

0.00

-0.05

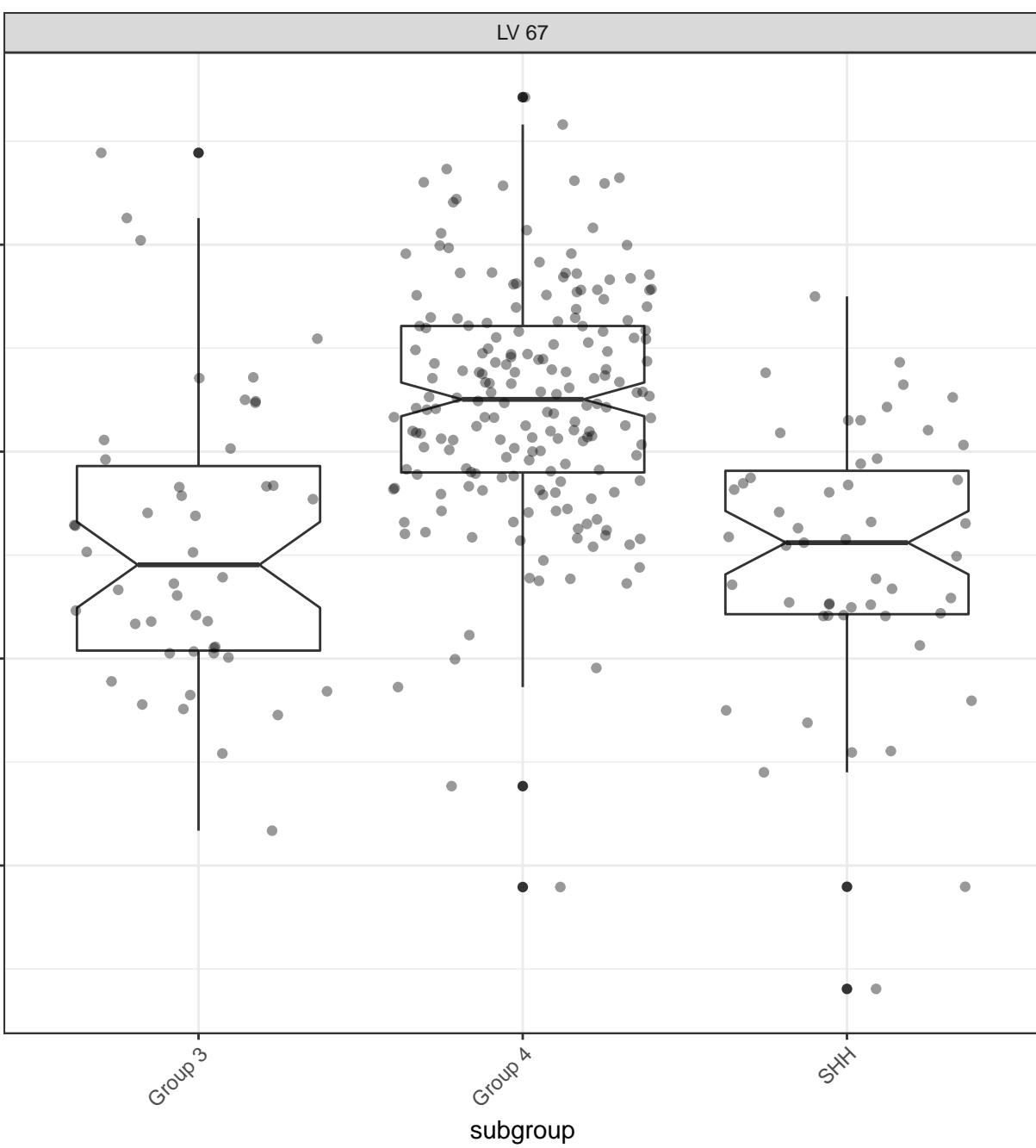
-0.10

Group 3

Group 4

SHH

subgroup



68,DMAP_ERY2

Value

0.4

0.2

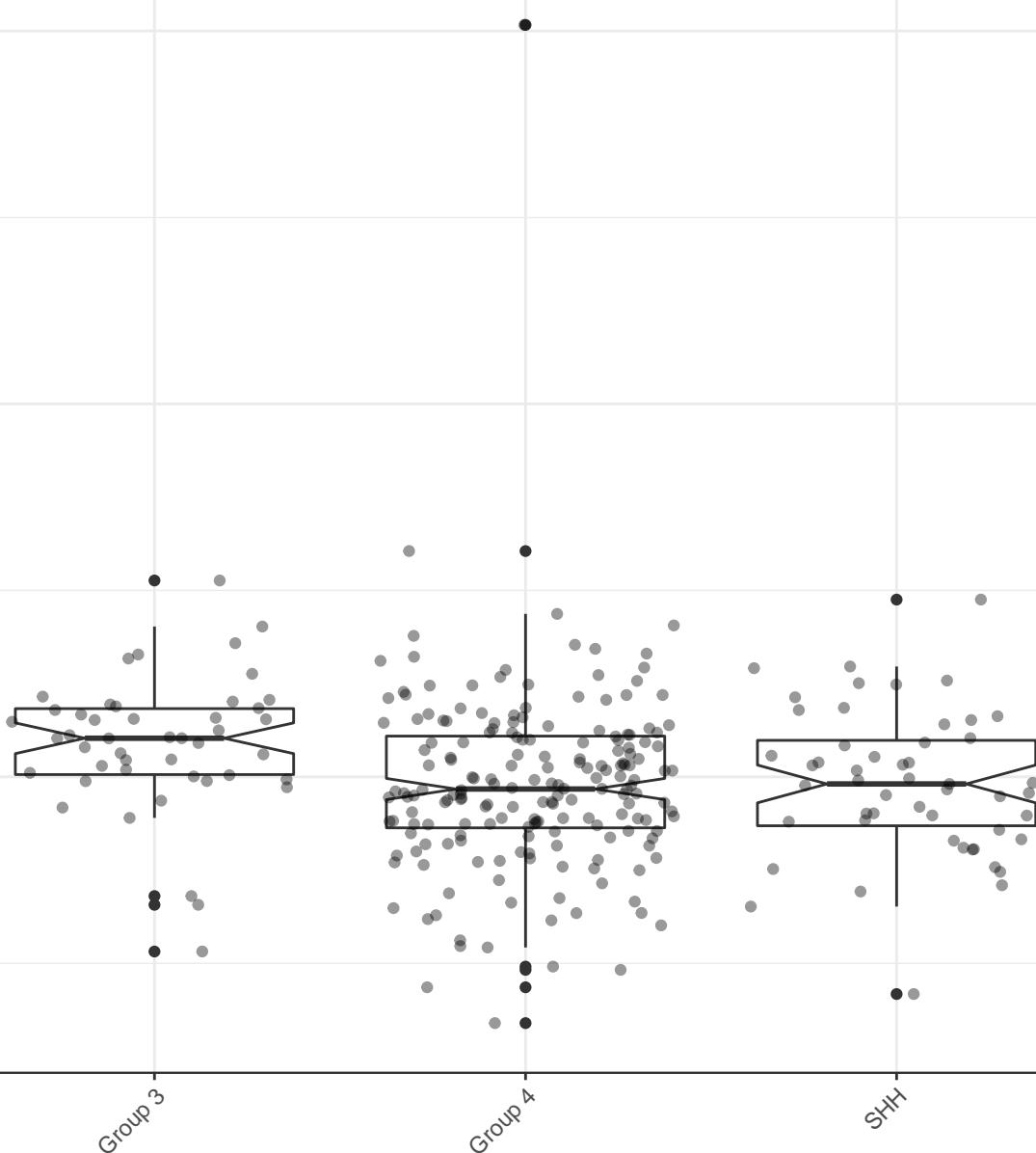
0.0

Group 3

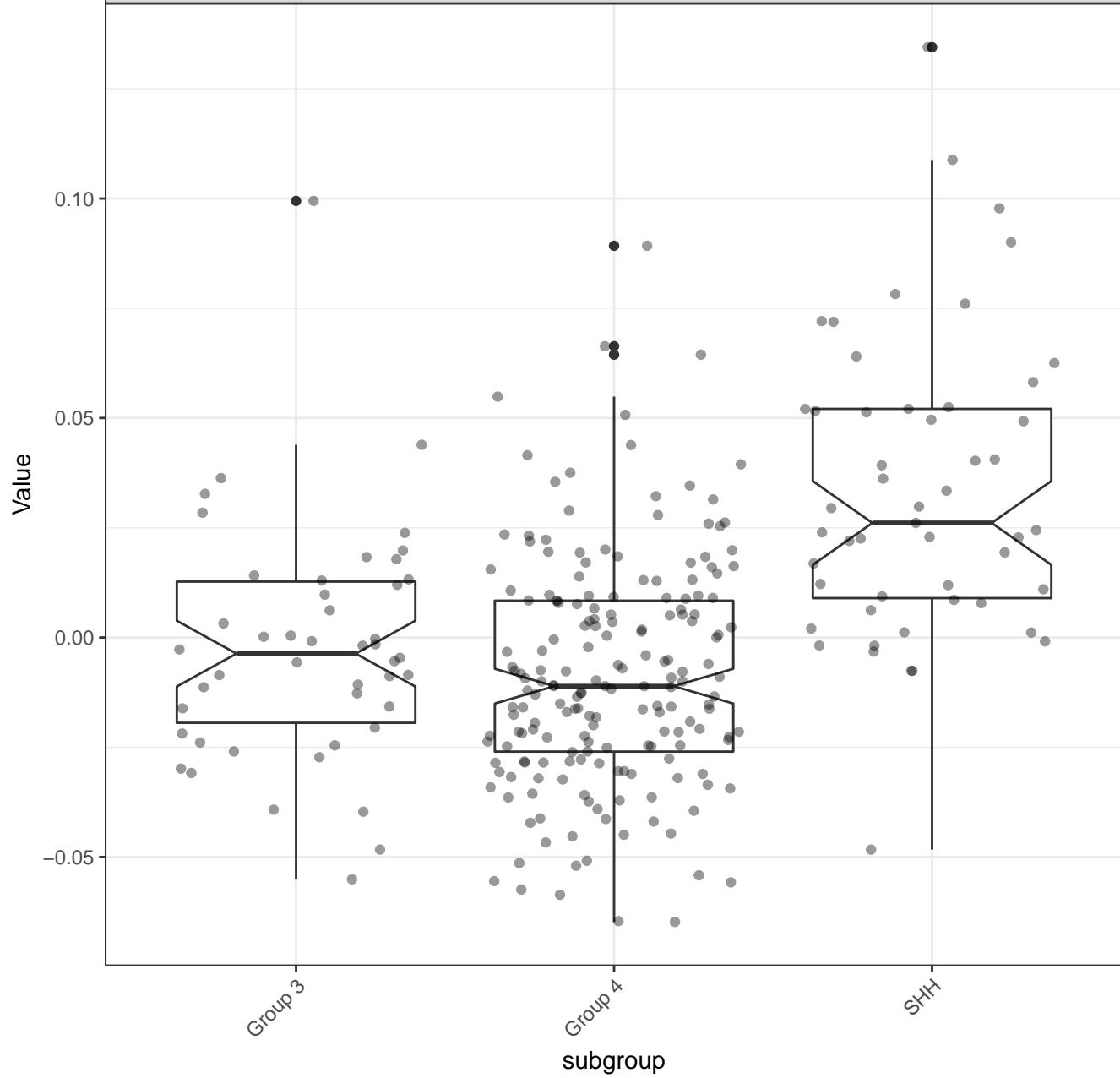
Group 4

SHH

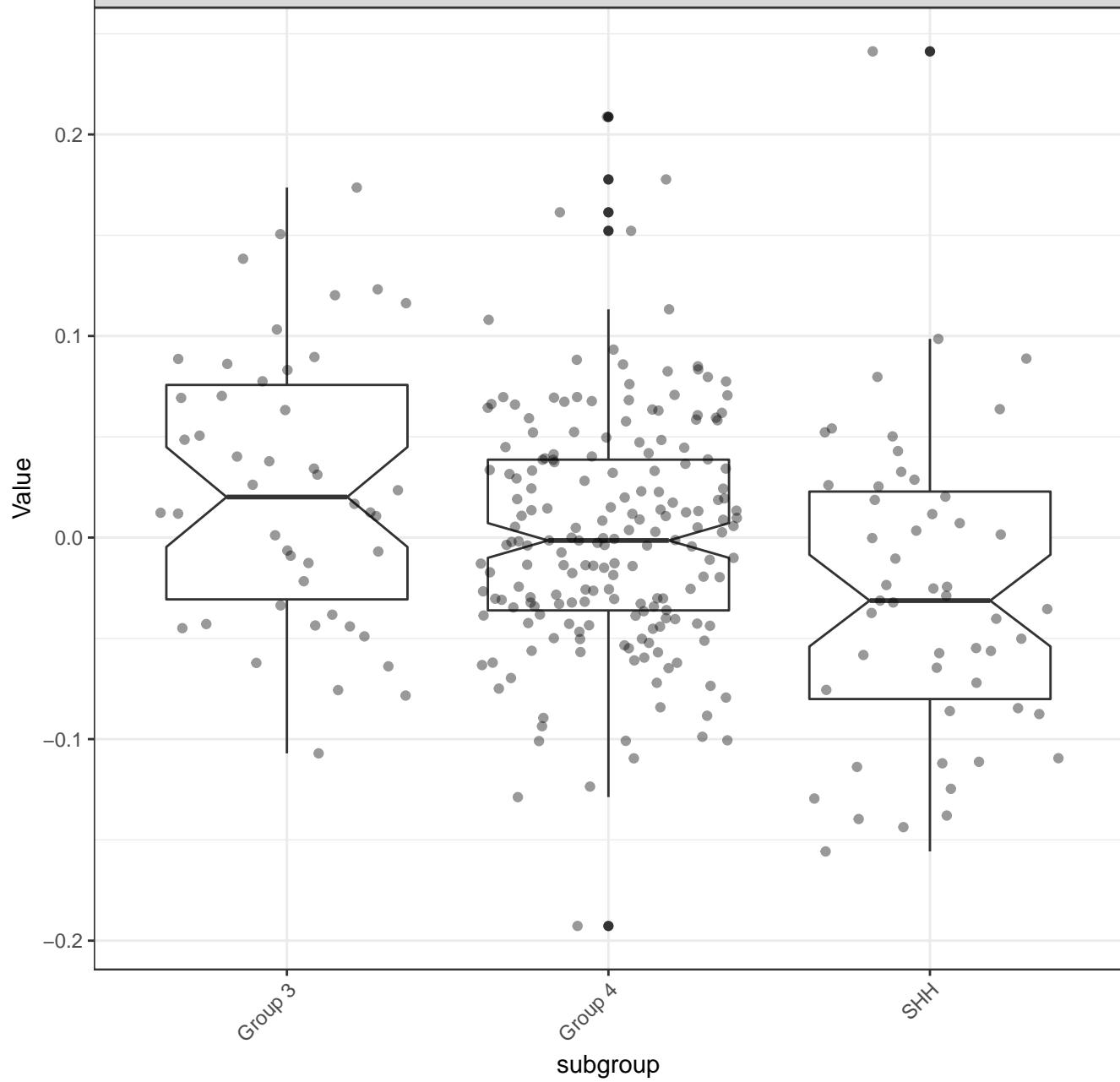
subgroup



69,SVM Macrophages M1



70,MIPS_PA700_20S_PA28_COMPLEX



LV 71

Value

0.1

0.0

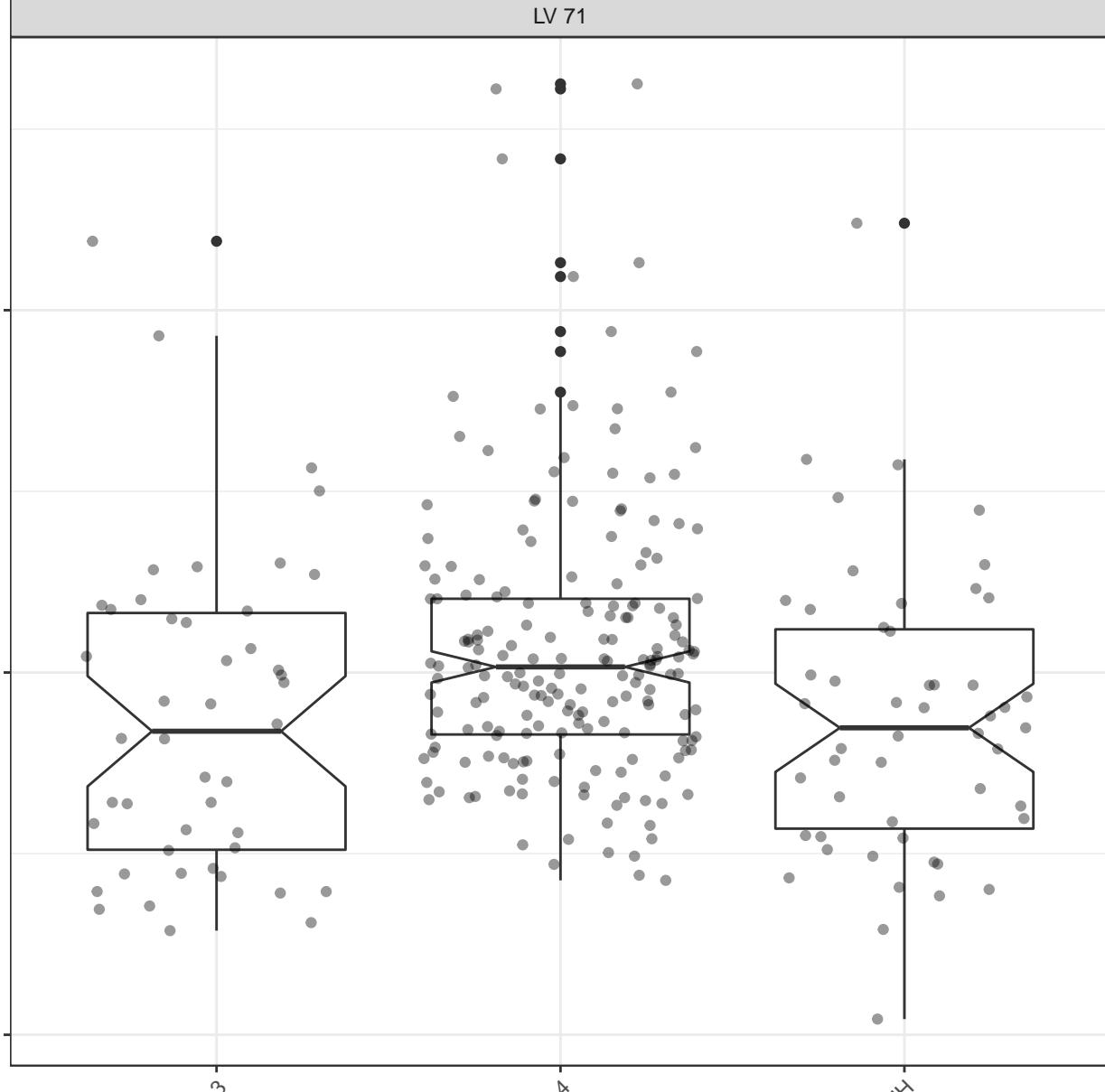
-0.1

Group 3

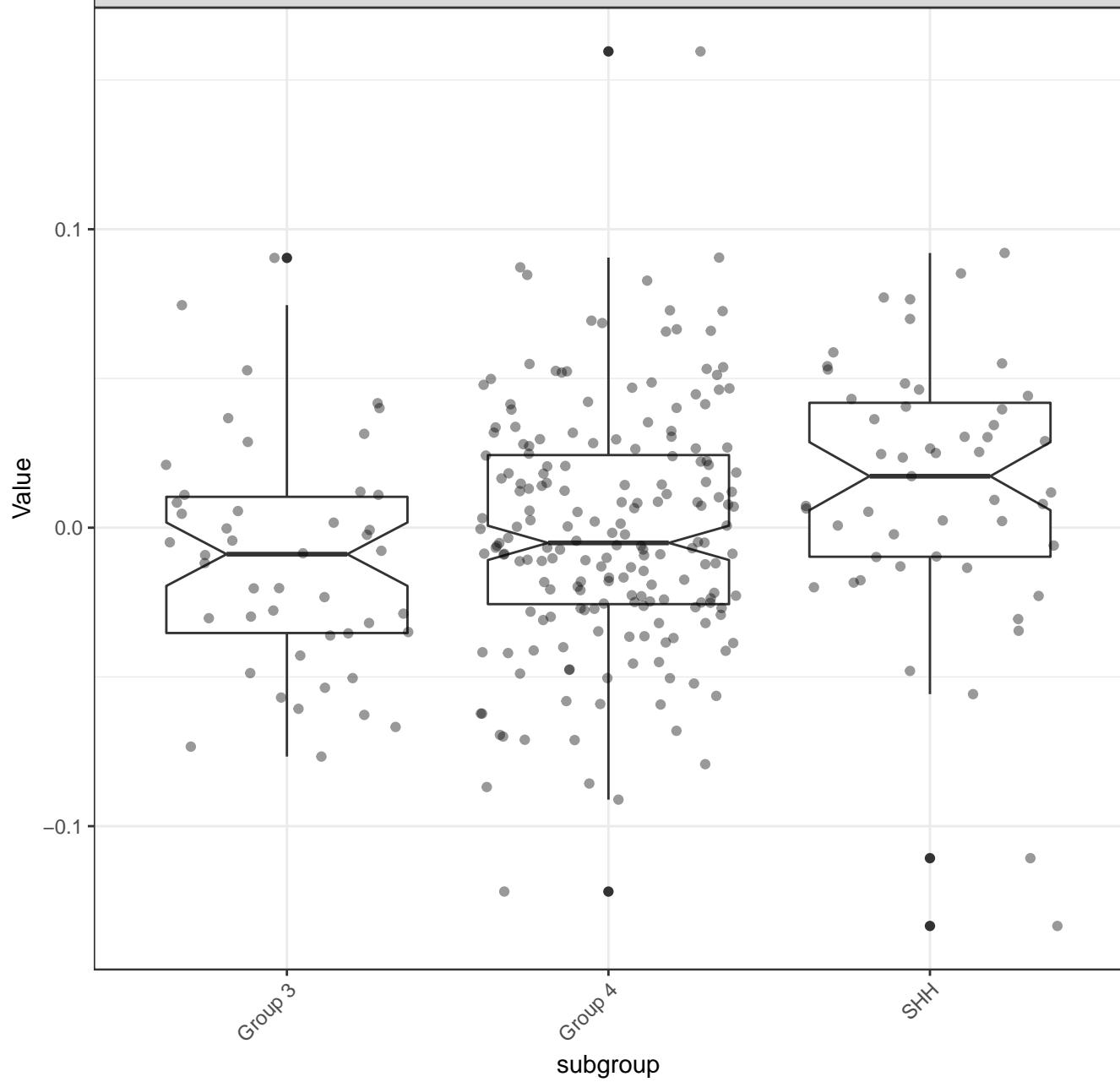
Group 4

SHH

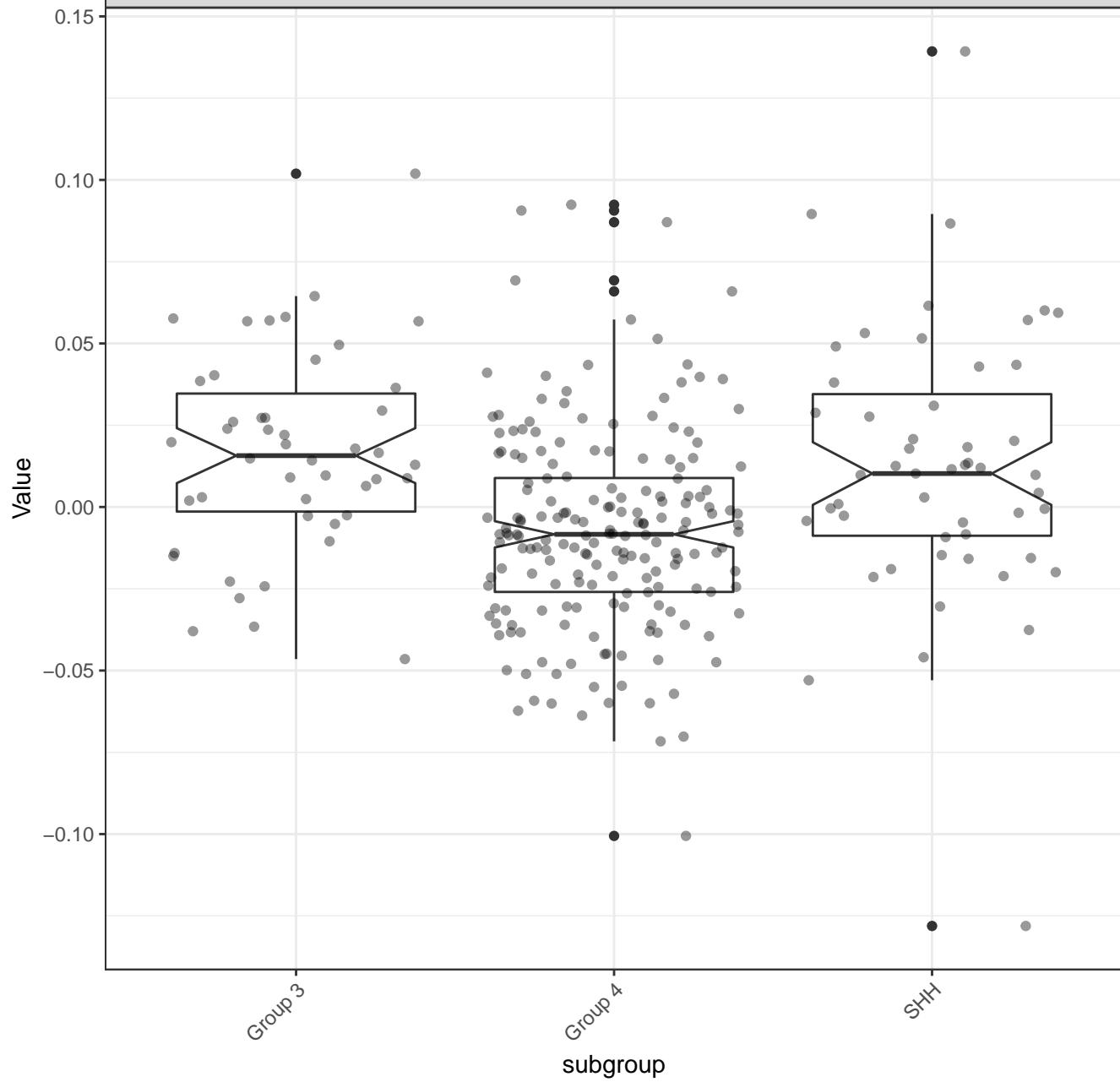
subgroup



LV 72



LV 73



74,REACTOME_UNFOLDED_PROTEIN_RESPONSE

Value

0.2

0.0

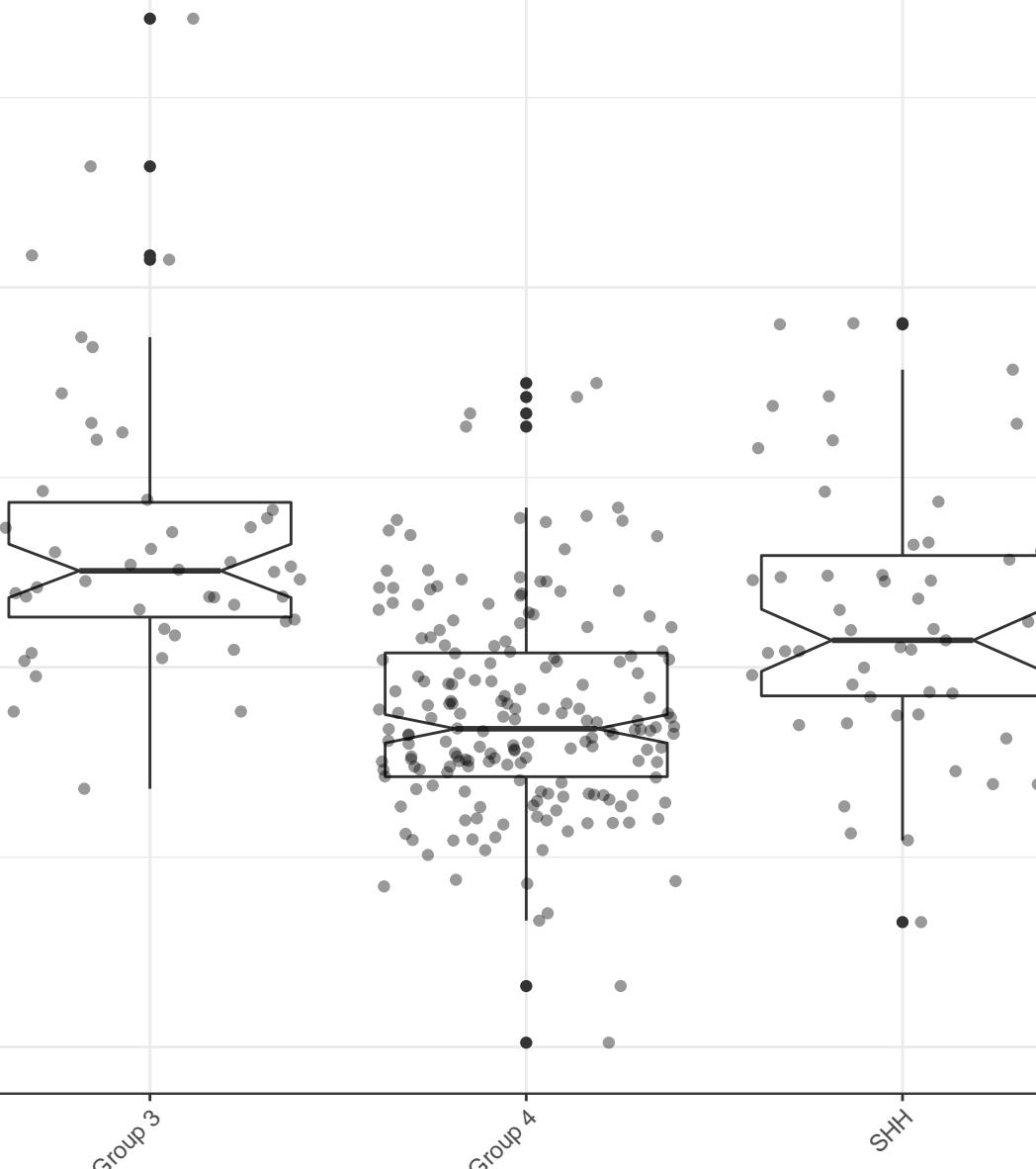
-0.2

Group 3

Group 4

SHH

subgroup



LV 75

Value

0.10

0.05

0.00

-0.05

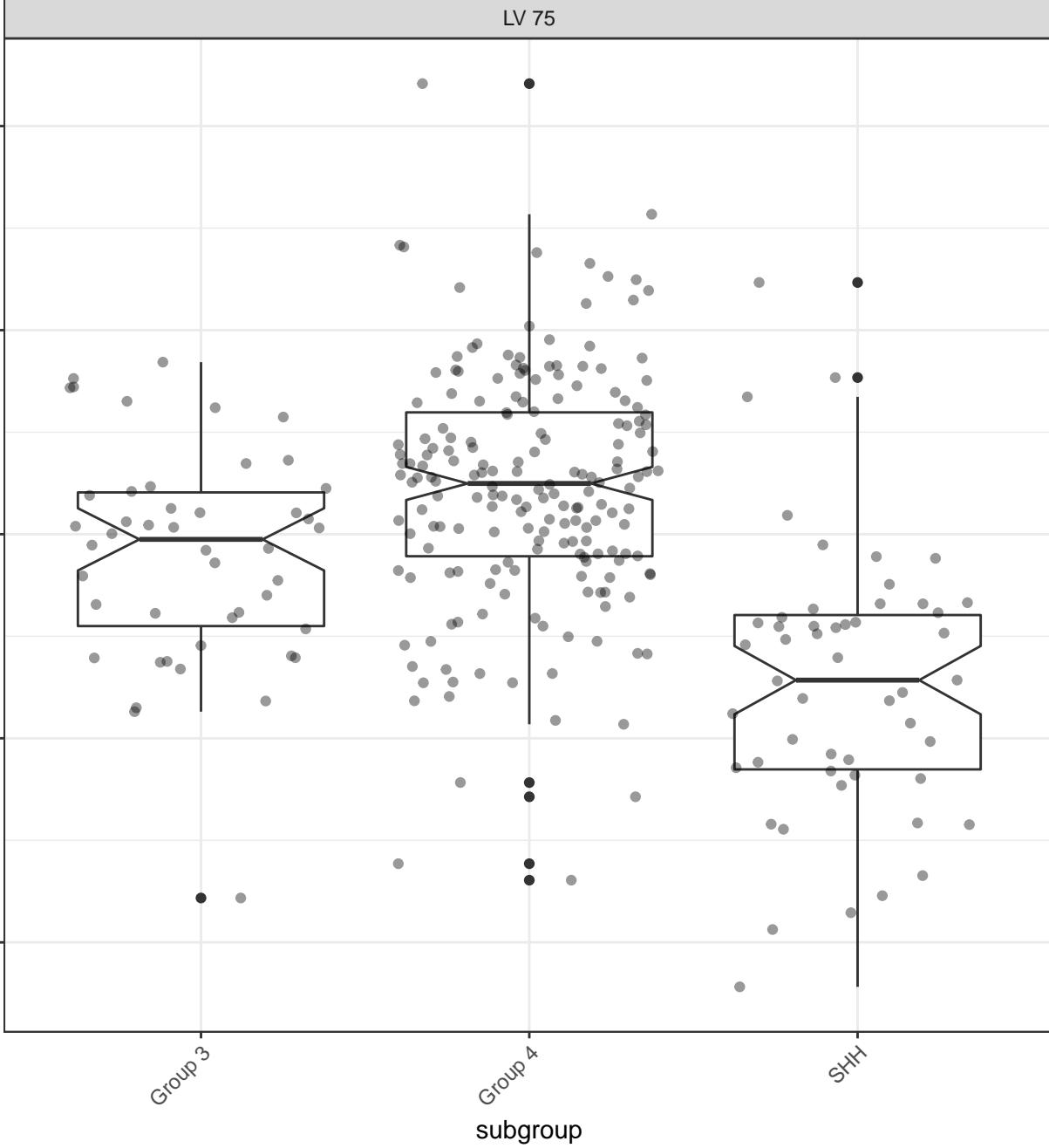
-0.10

Group 3

Group 4

SHH

subgroup



LV 76

Value

0.05

0.01

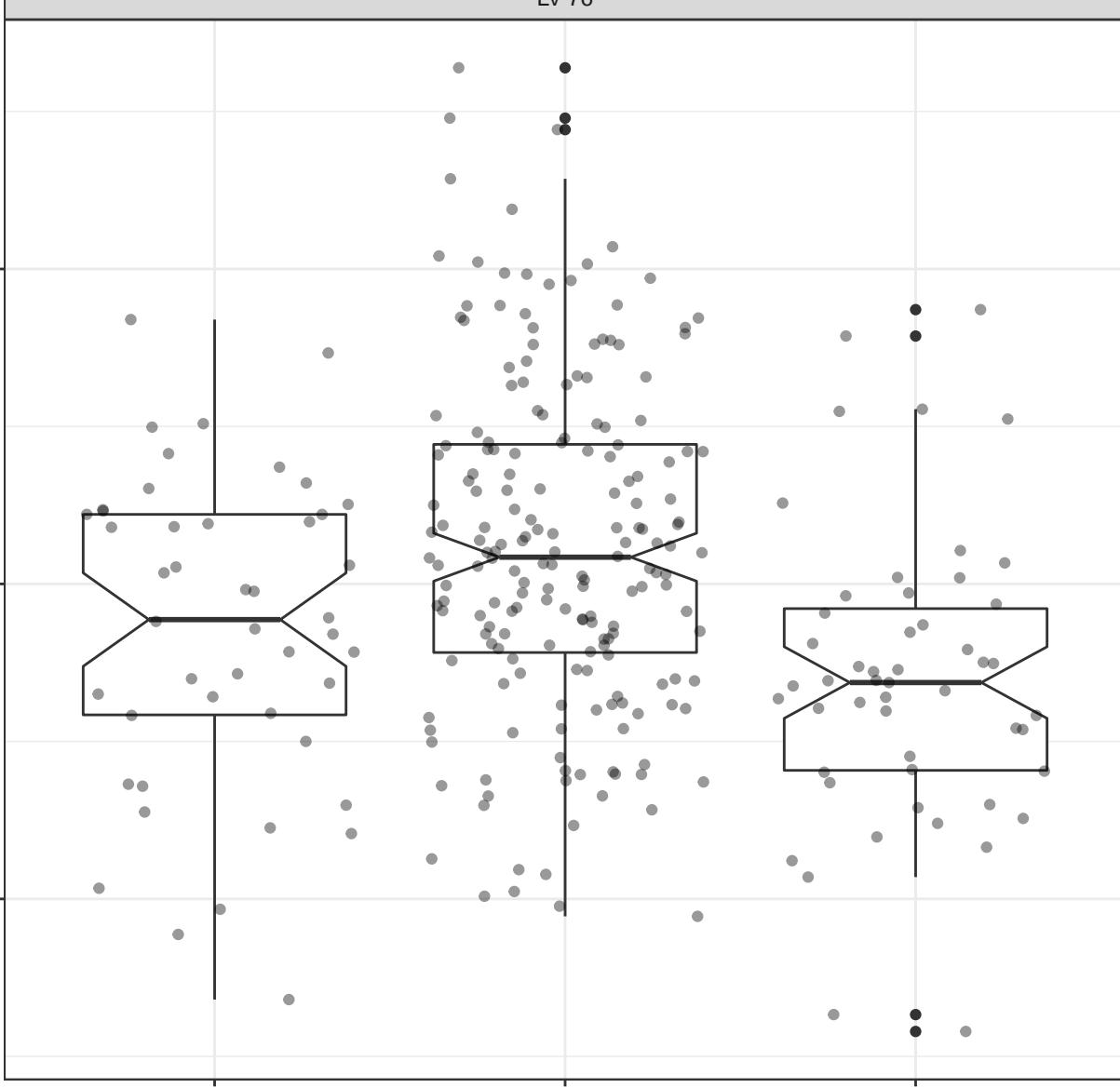
-0.05

Group 3

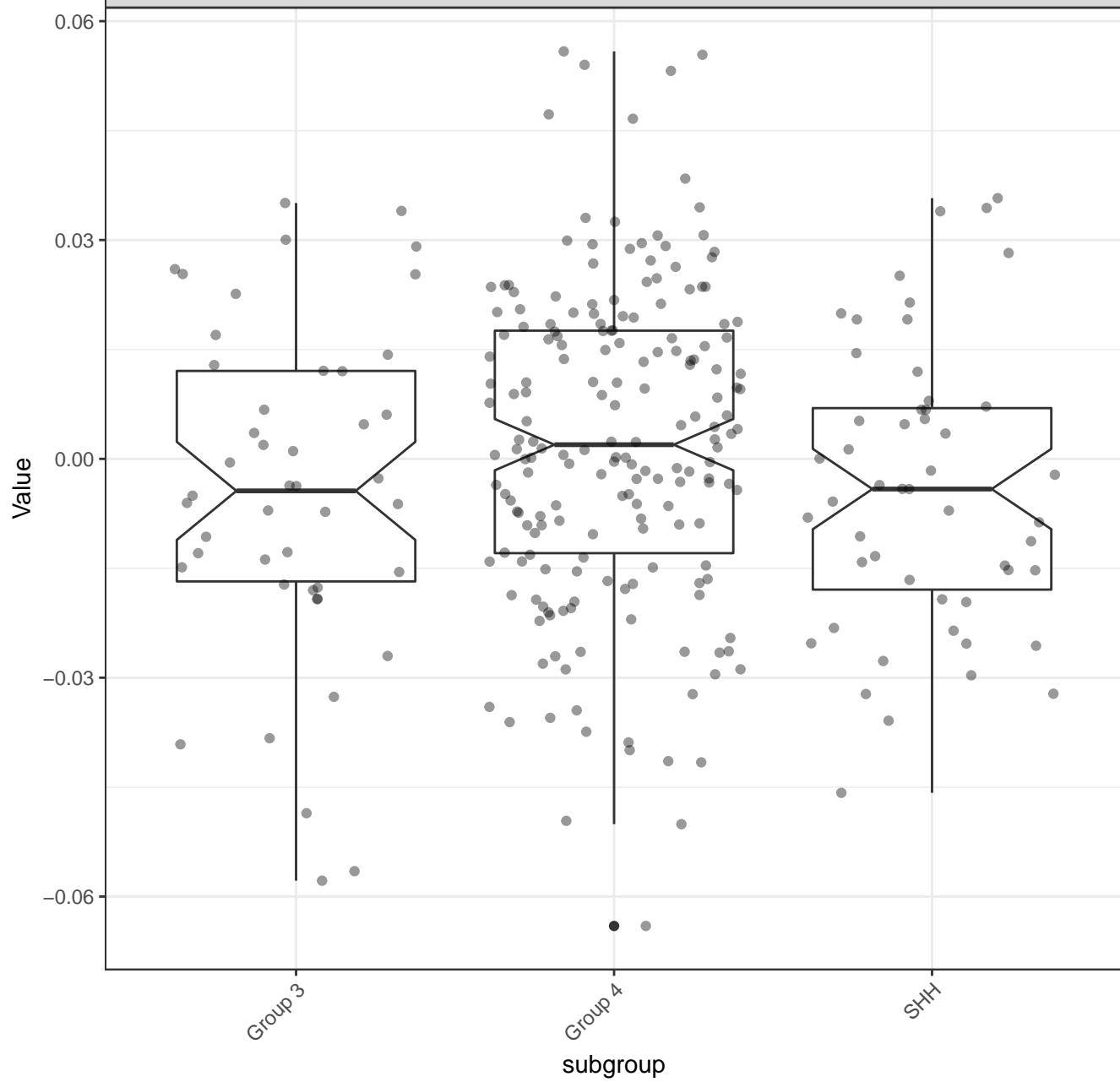
Group 4

SHH

subgroup



LV 77



LV 78

Value

0.10

0.05

0.00

-0.05

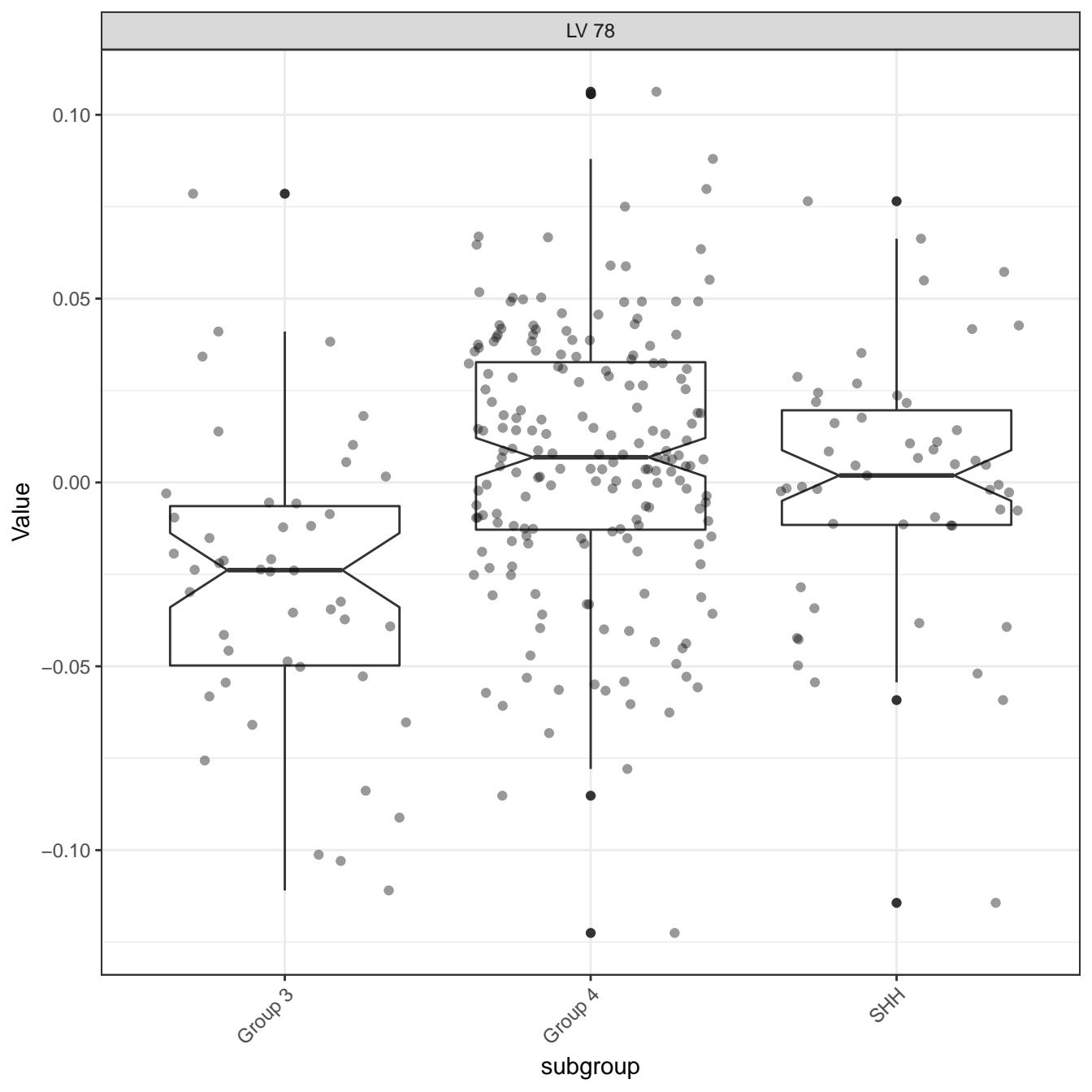
-0.10

Group 3

subgroup

SHH

Group 4



LV 79

Value

0.10

0.05

0.00

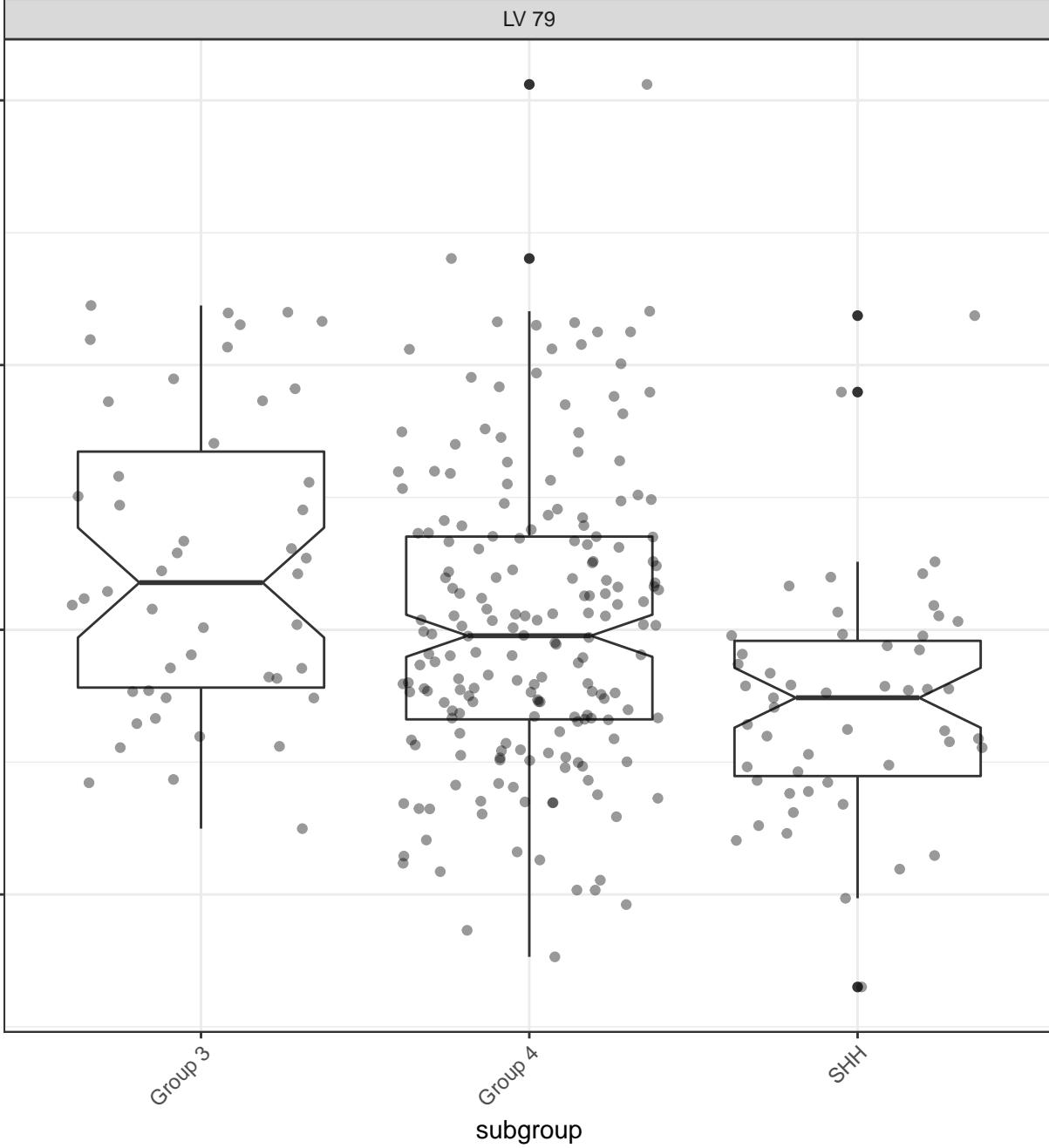
-0.05

Group 3

Group 4

SHH

subgroup



LV 80

Value

0.10

0.05

0.00

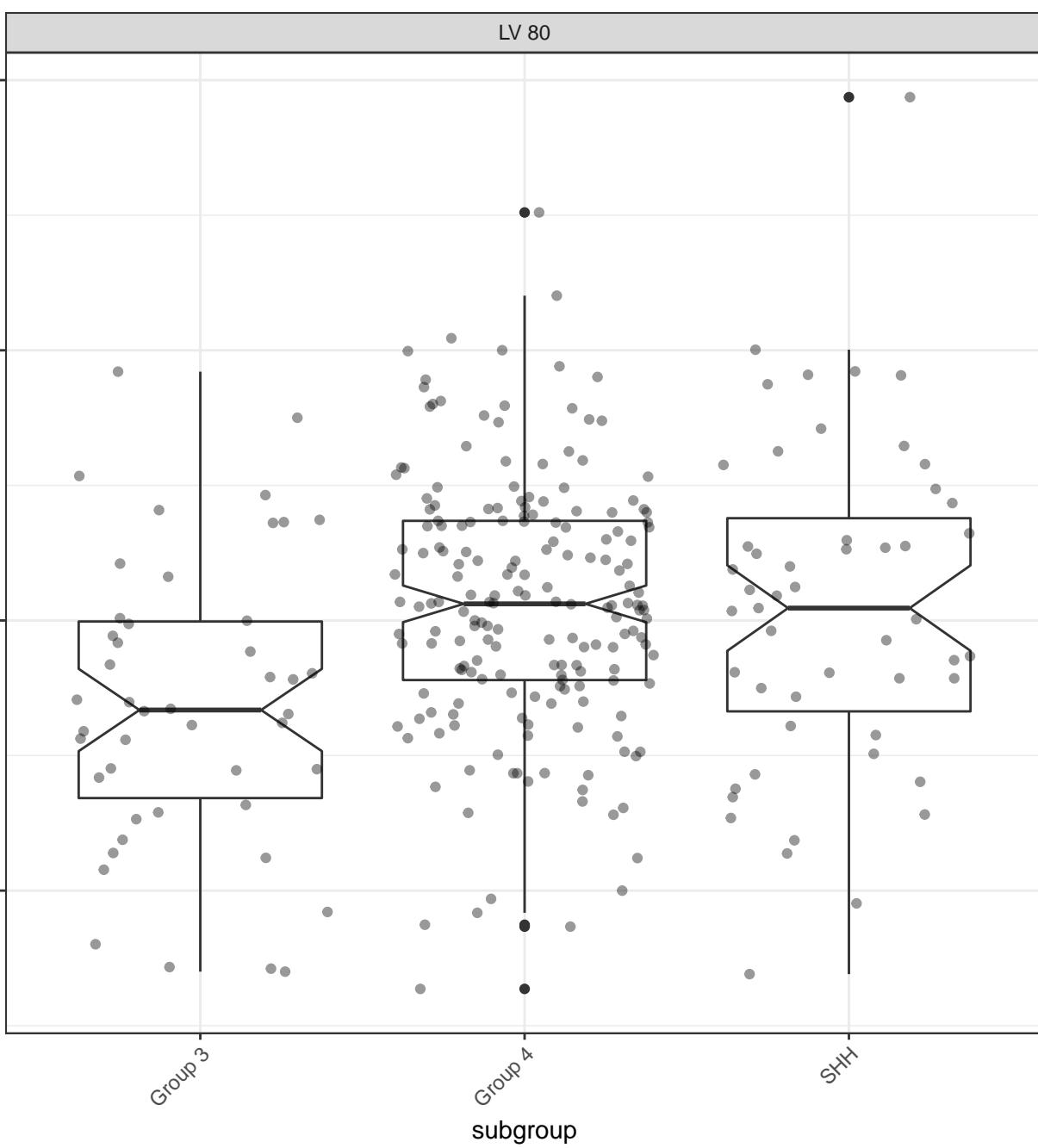
-0.05

Group 3

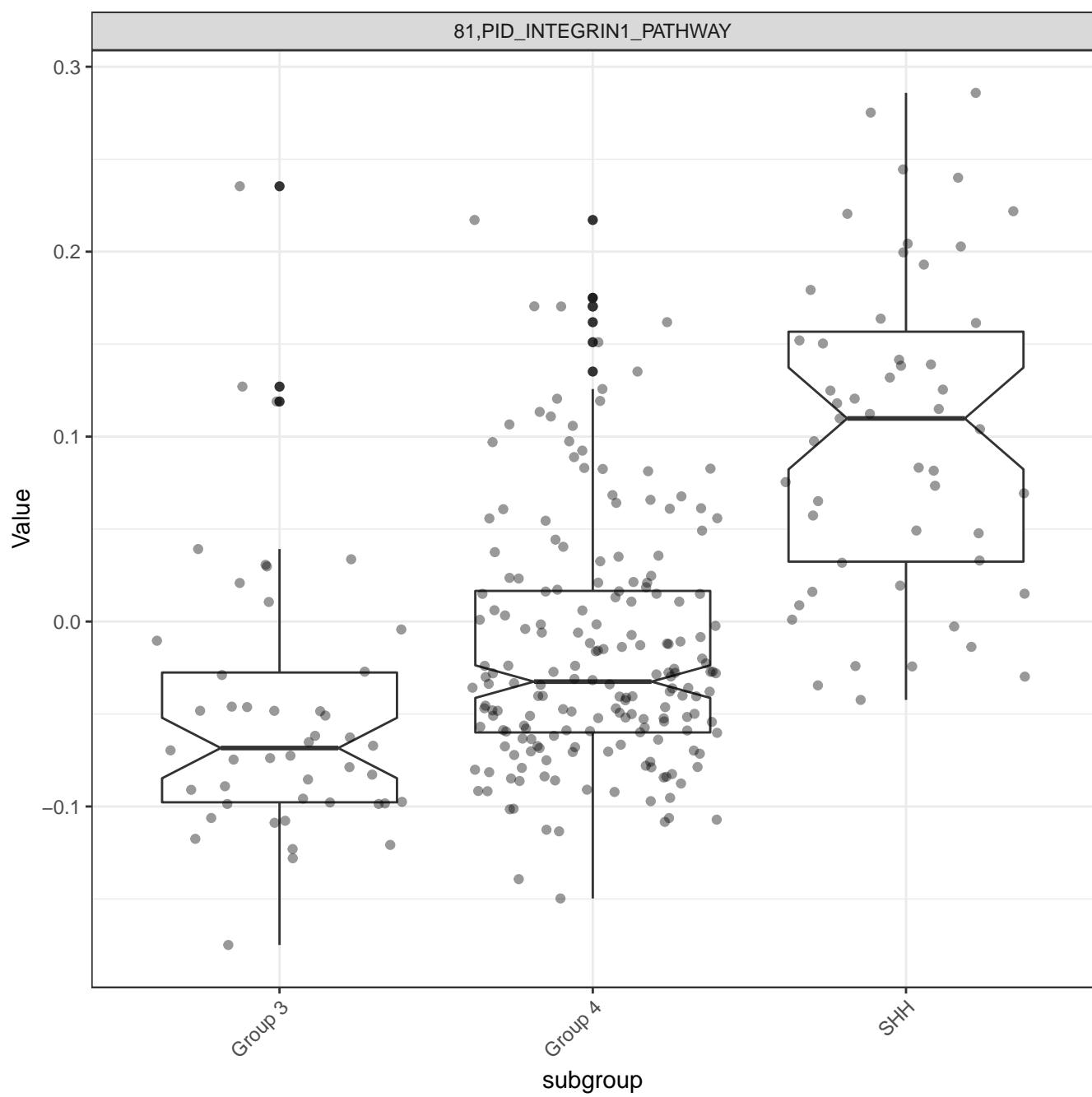
Group 4

SHH

subgroup



81,PID_INTEGRIN1_PATHWAY



82,PID_RAC1_PATHWAY

Value

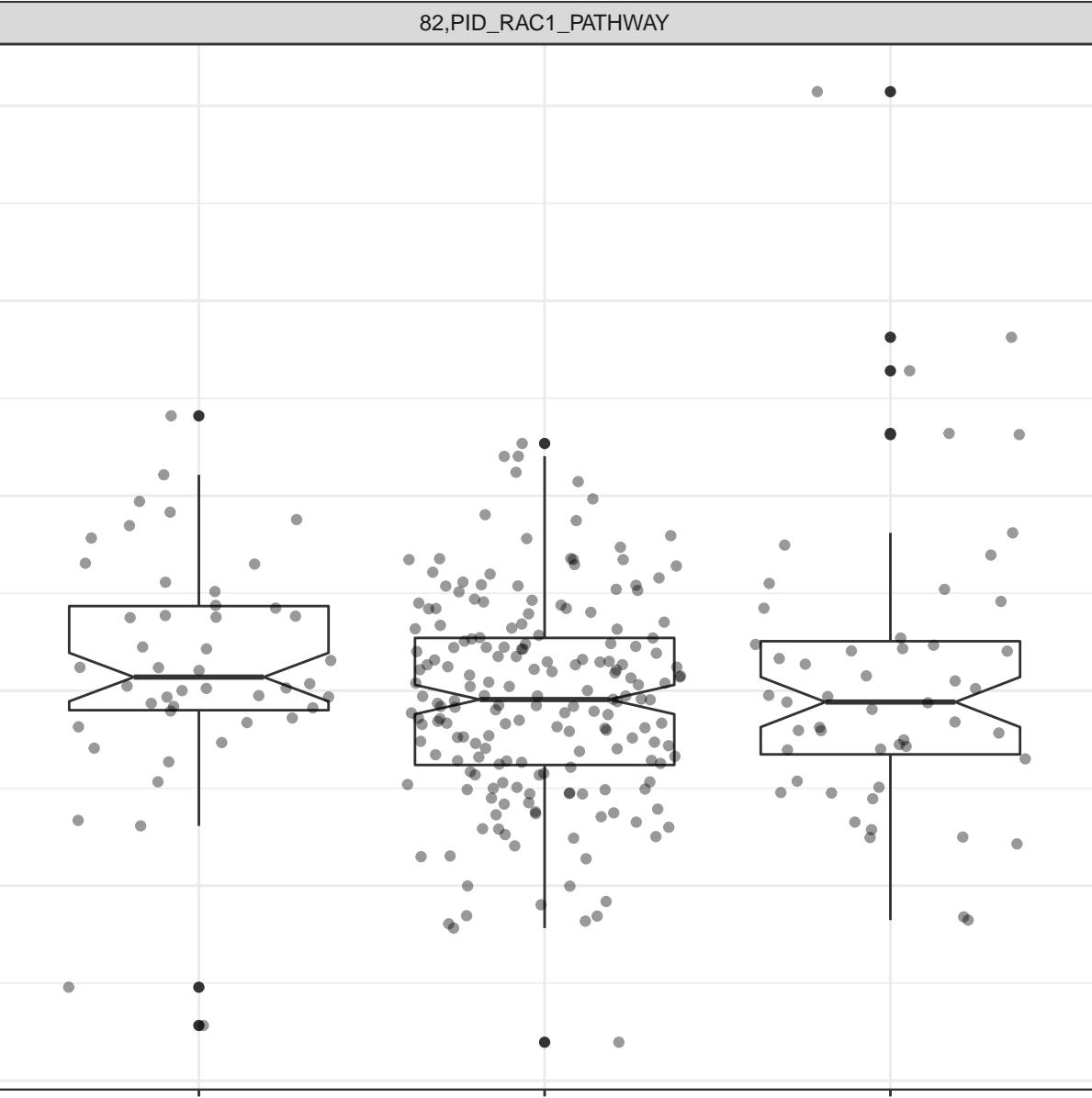
0.15
0.10
0.05
0.00
-0.05
-0.10

Group 3

Group 4

SHH

subgroup



LV 83

Value

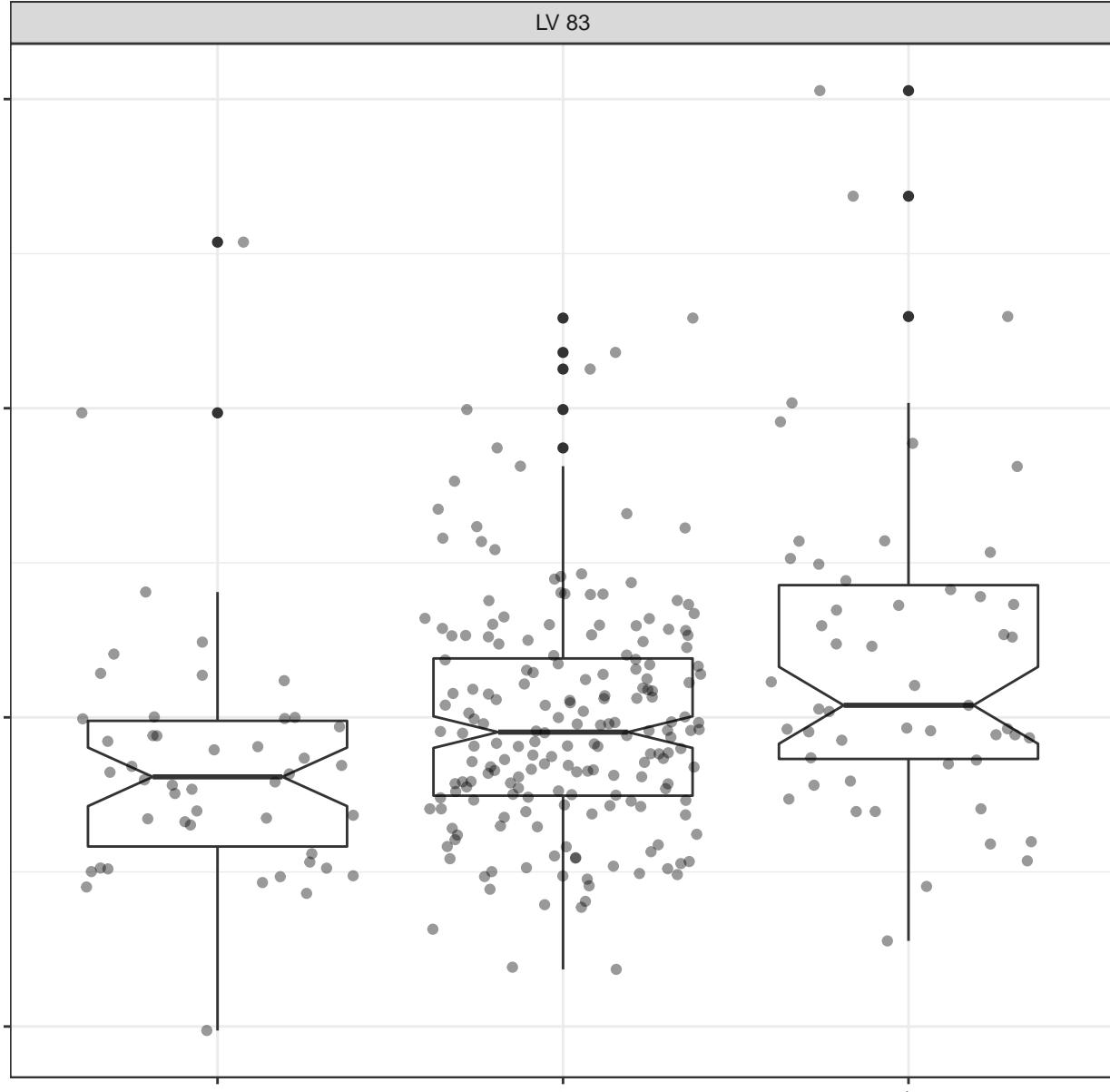
0.2
0.1
0.0
-0.1

Group 3

Group 4

SHH

subgroup



84,KEGG_SPLICEOSOME

Value

0.10

0.05

0.00

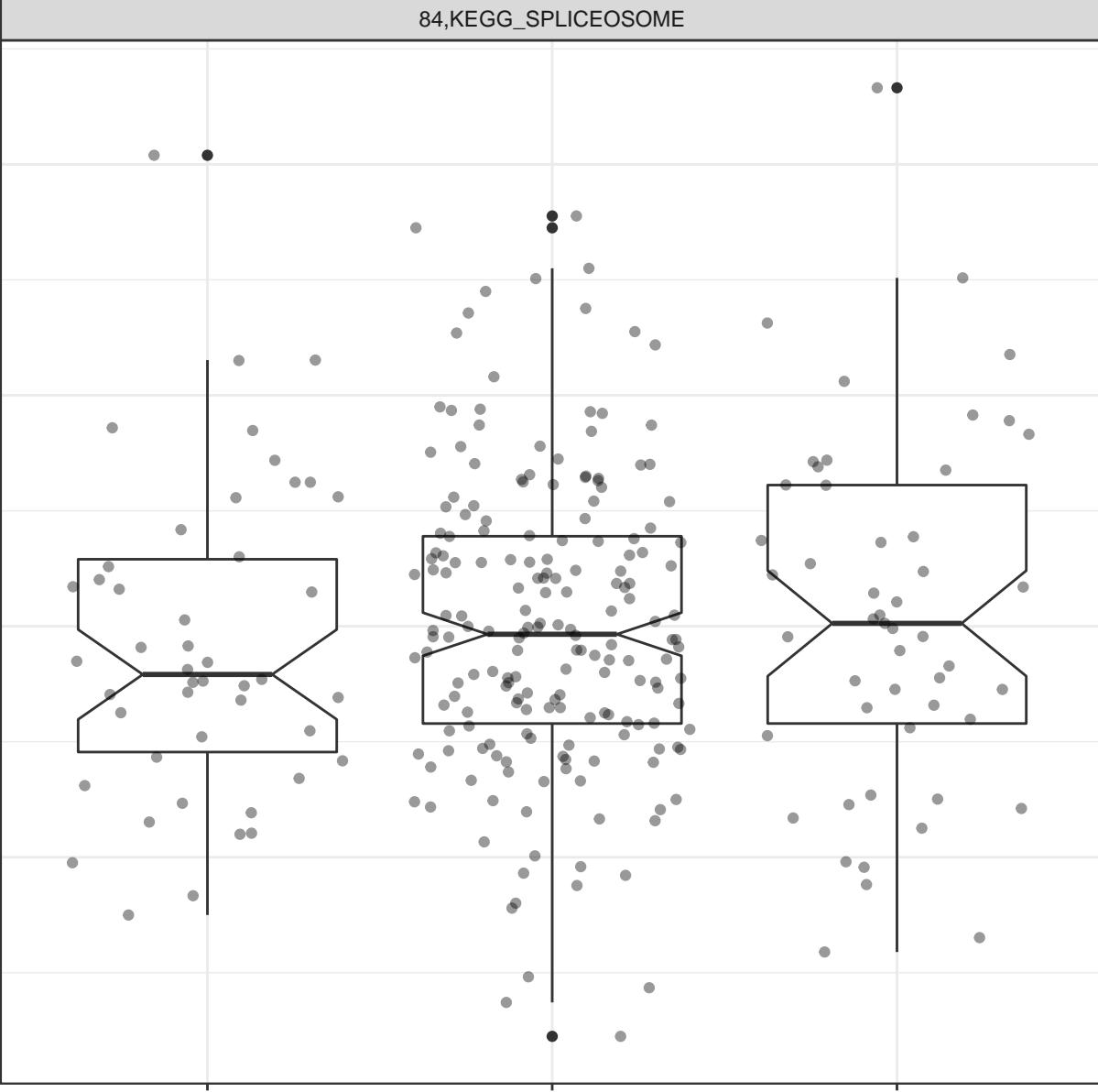
-0.05

Group 3

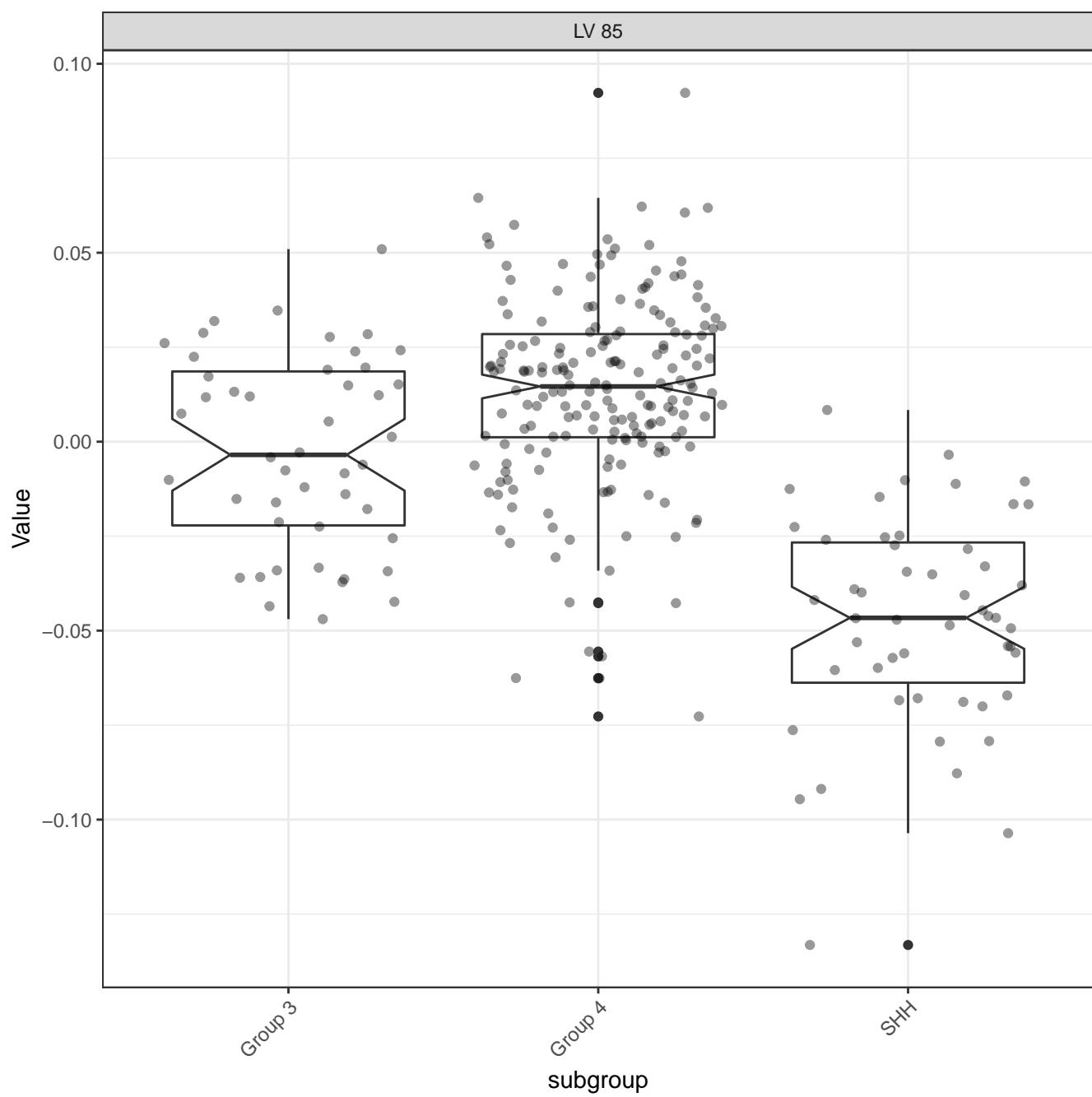
subgroup

Group 4

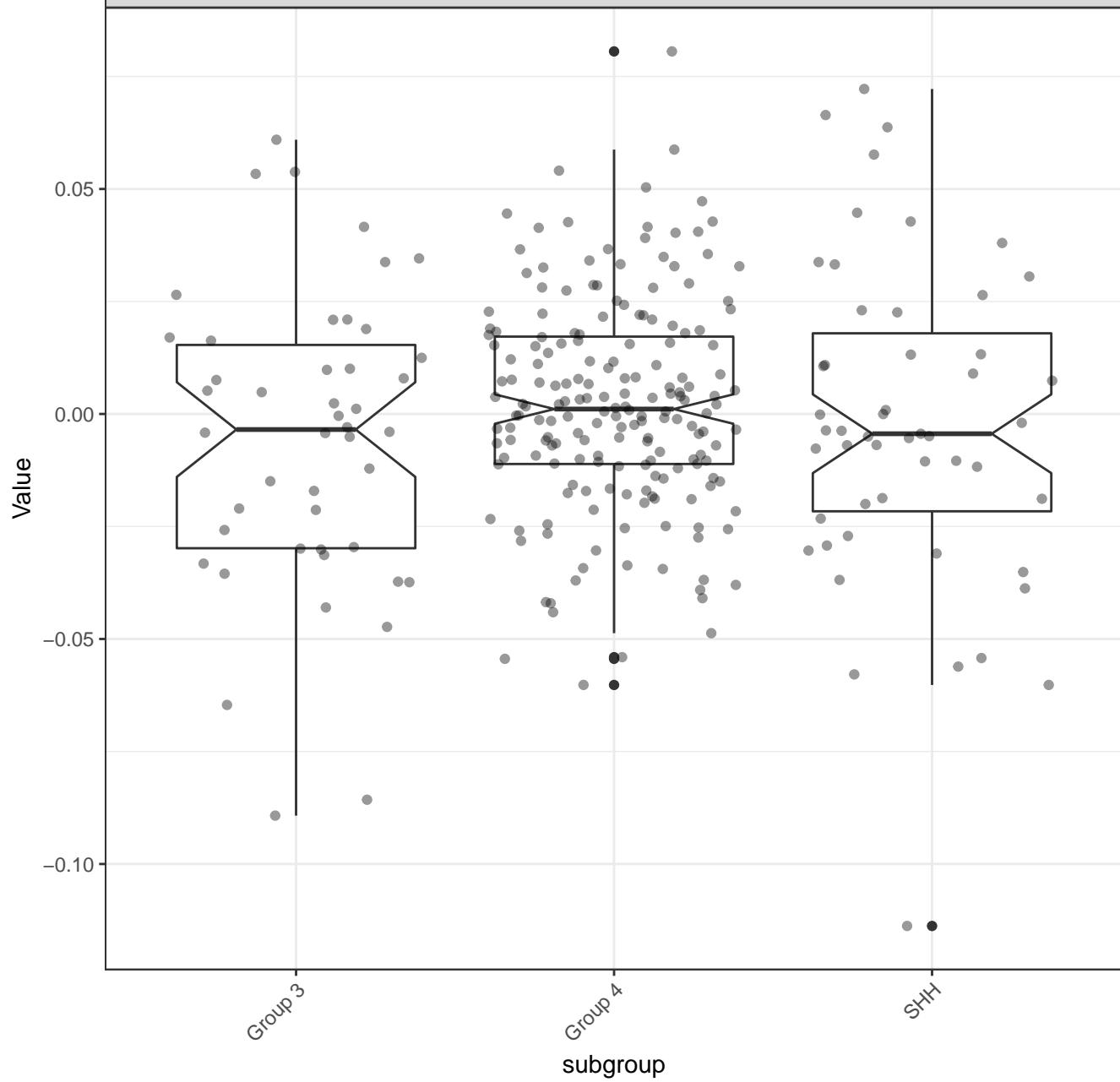
SHH



LV 85



LV 86



LV 87

Value

0.05

0.00

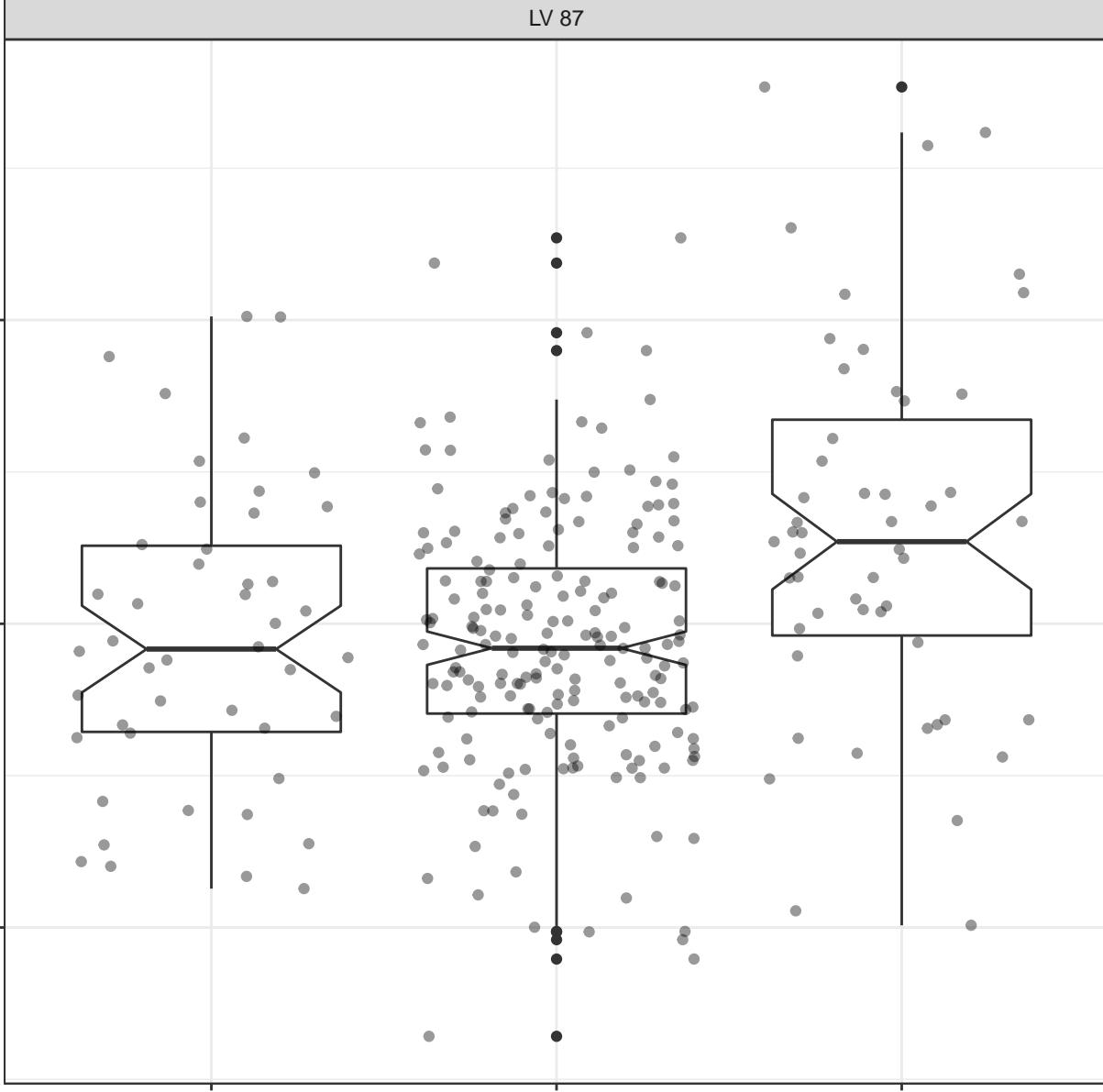
-0.05

Group 3

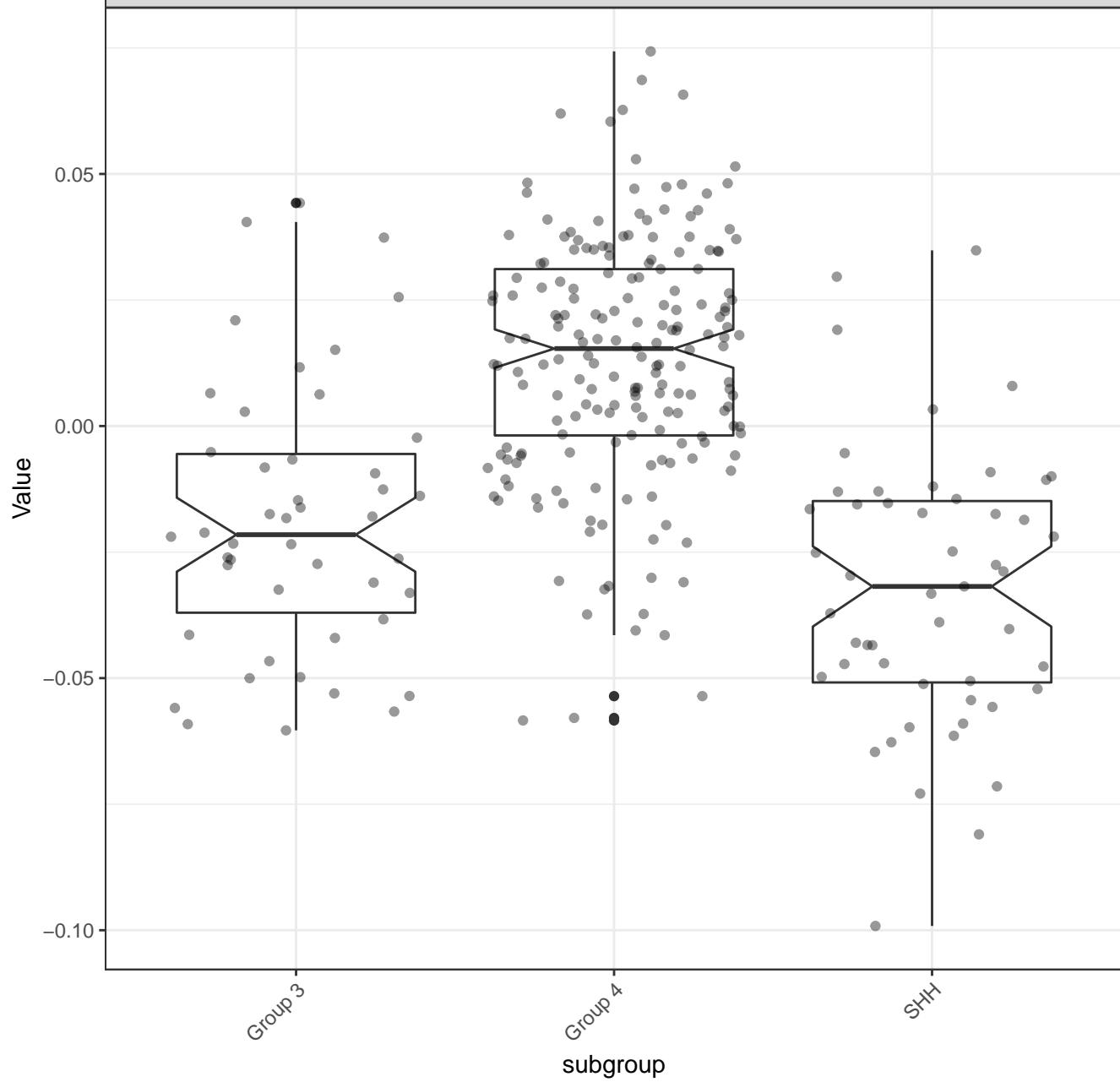
subgroup

Group 4

SHH



LV 88



LV 89

Value

0.05

0.00

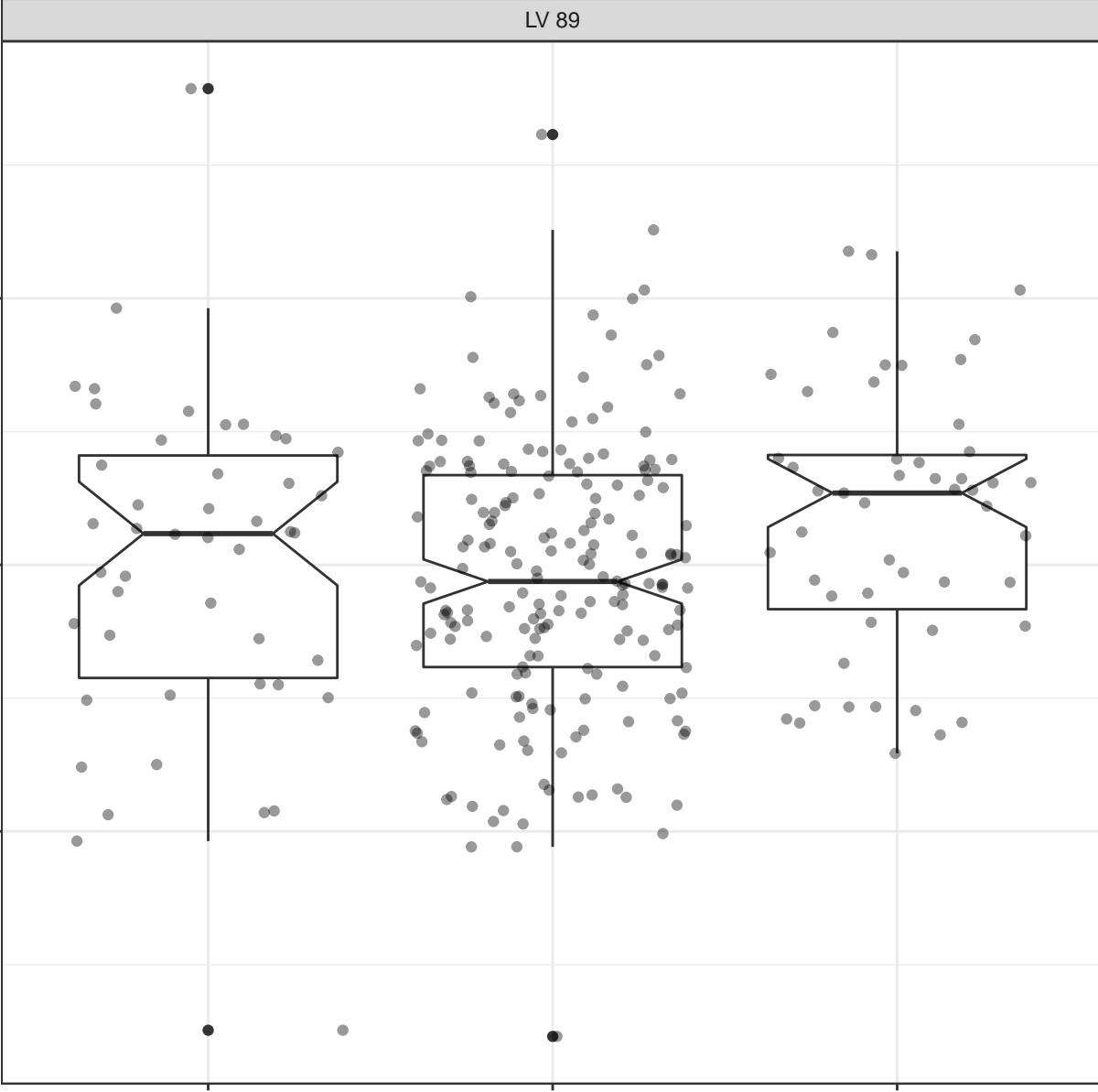
-0.05

Group 3

subgroup

Group 4

SHH



LV 90

Value

0.10

0.05

0.00

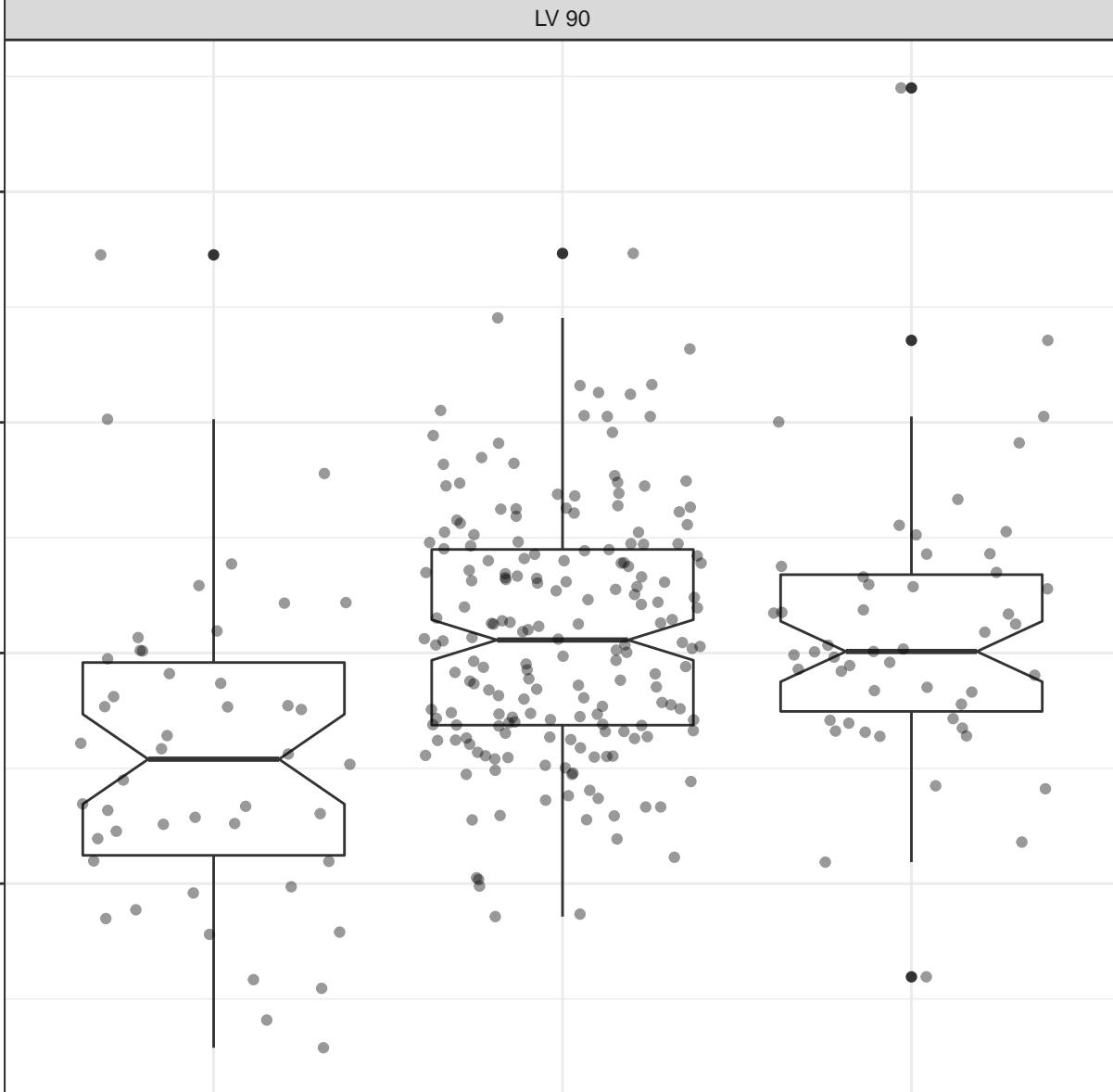
-0.05

Group 3

Group 4

SHH

subgroup



91,KEGG_LYSOSOME

Value

0.1

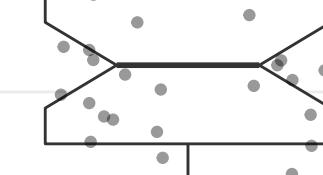
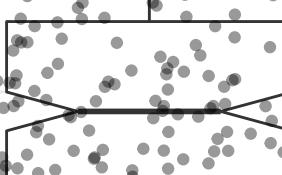
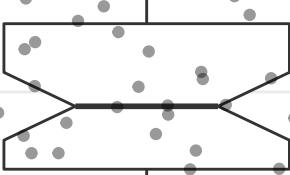
0.0

-0.1

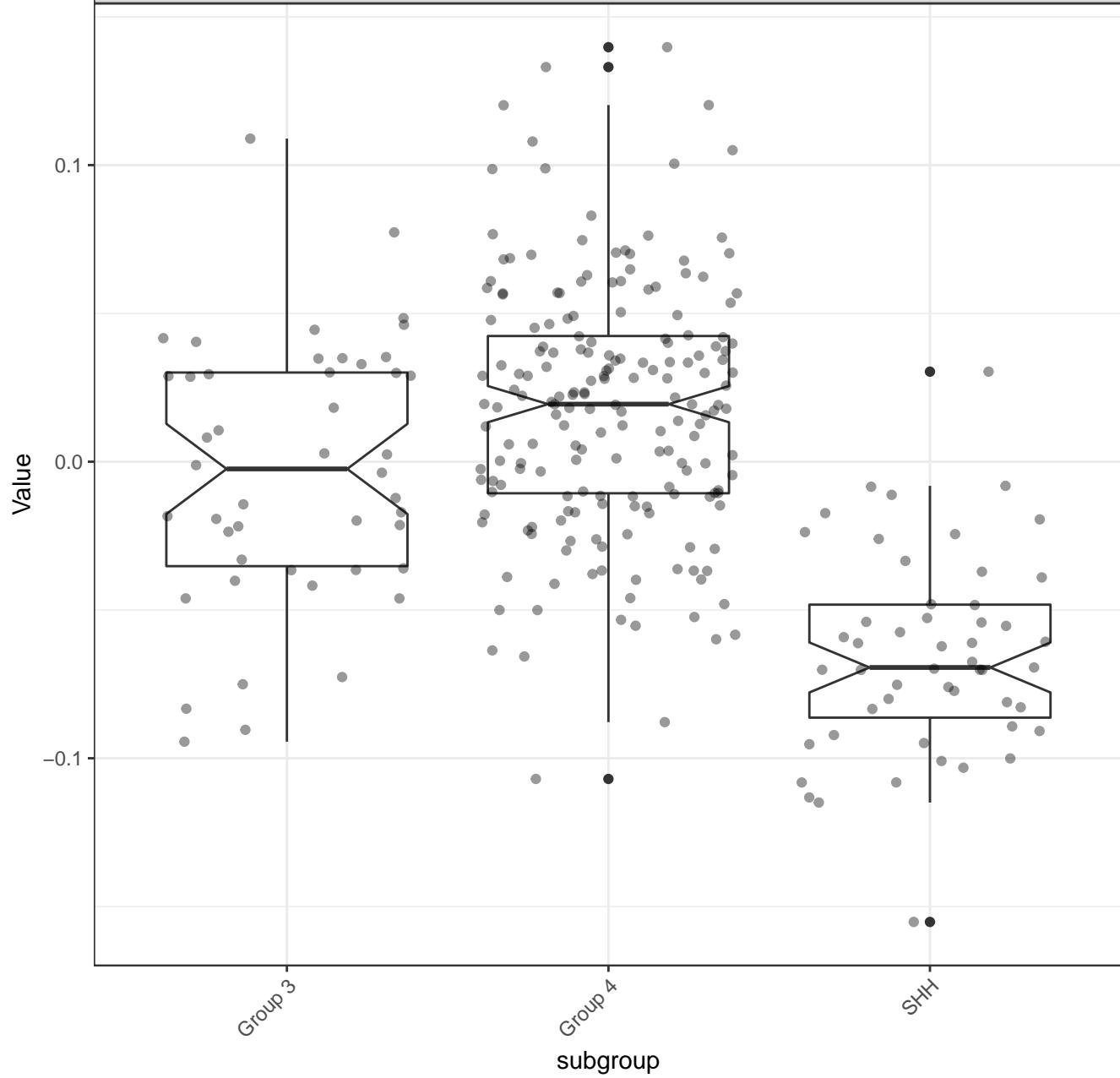
Group³Group⁴

SHH

subgroup



92,REACTOME_CHROMOSOME_MAINTENANCE



LV 93

Value

0.05

0.00

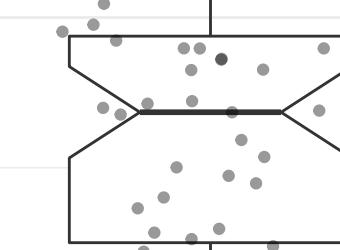
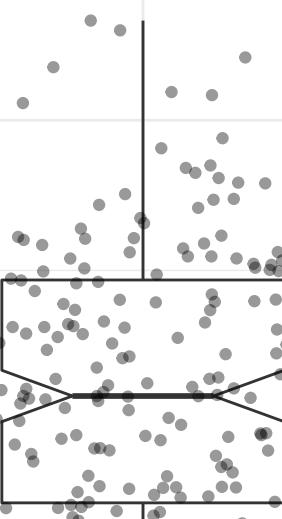
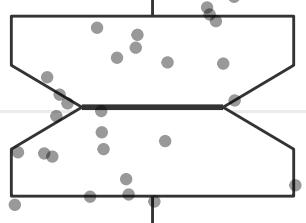
-0.05

Group 3

Group 4

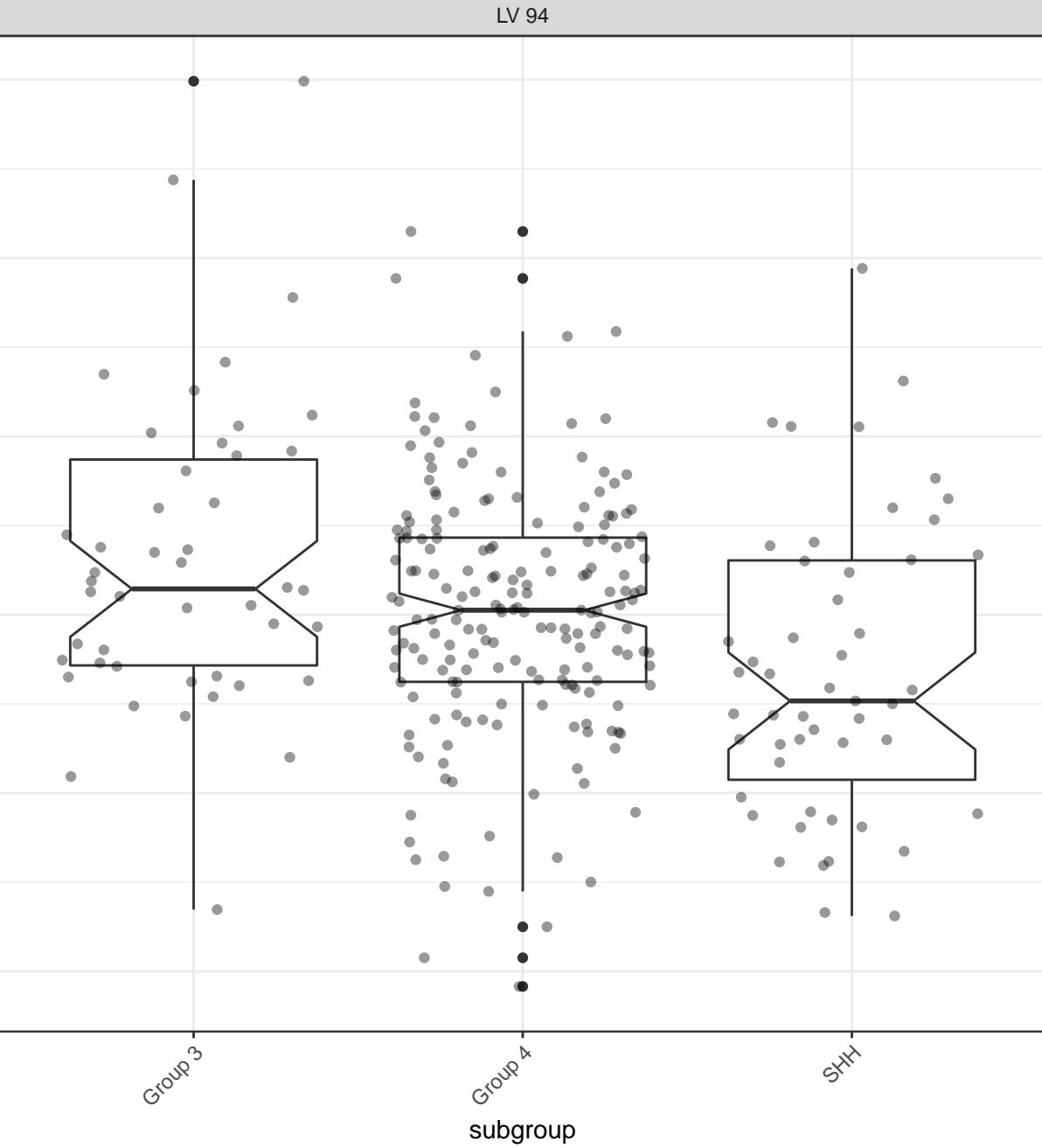
SHH

subgroup



LV 94

Value

0.15
0.10
0.05
0.00
-0.05
-0.10

LV 95

Value

0.10

0.05

0.00

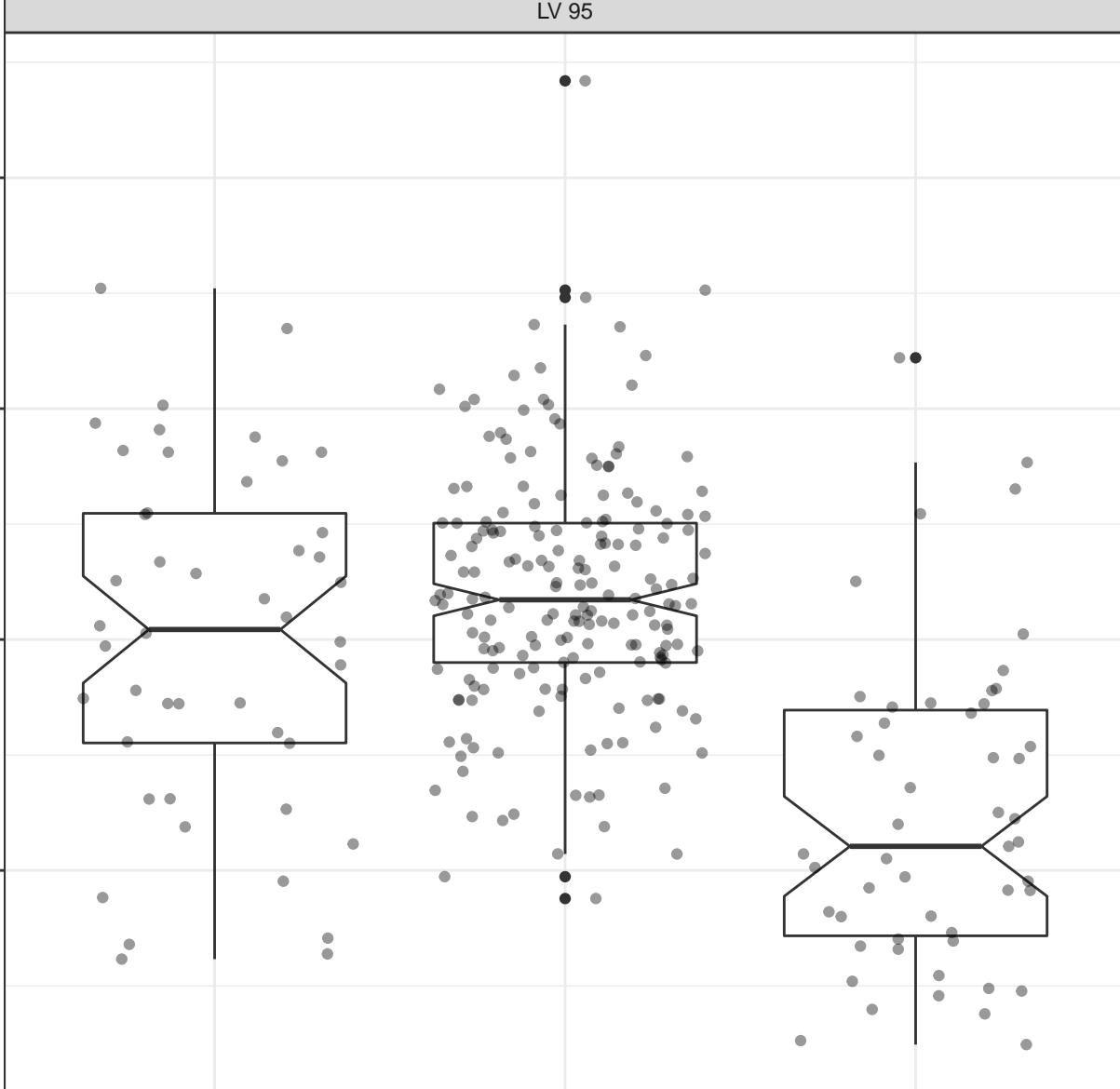
-0.05

Group 3

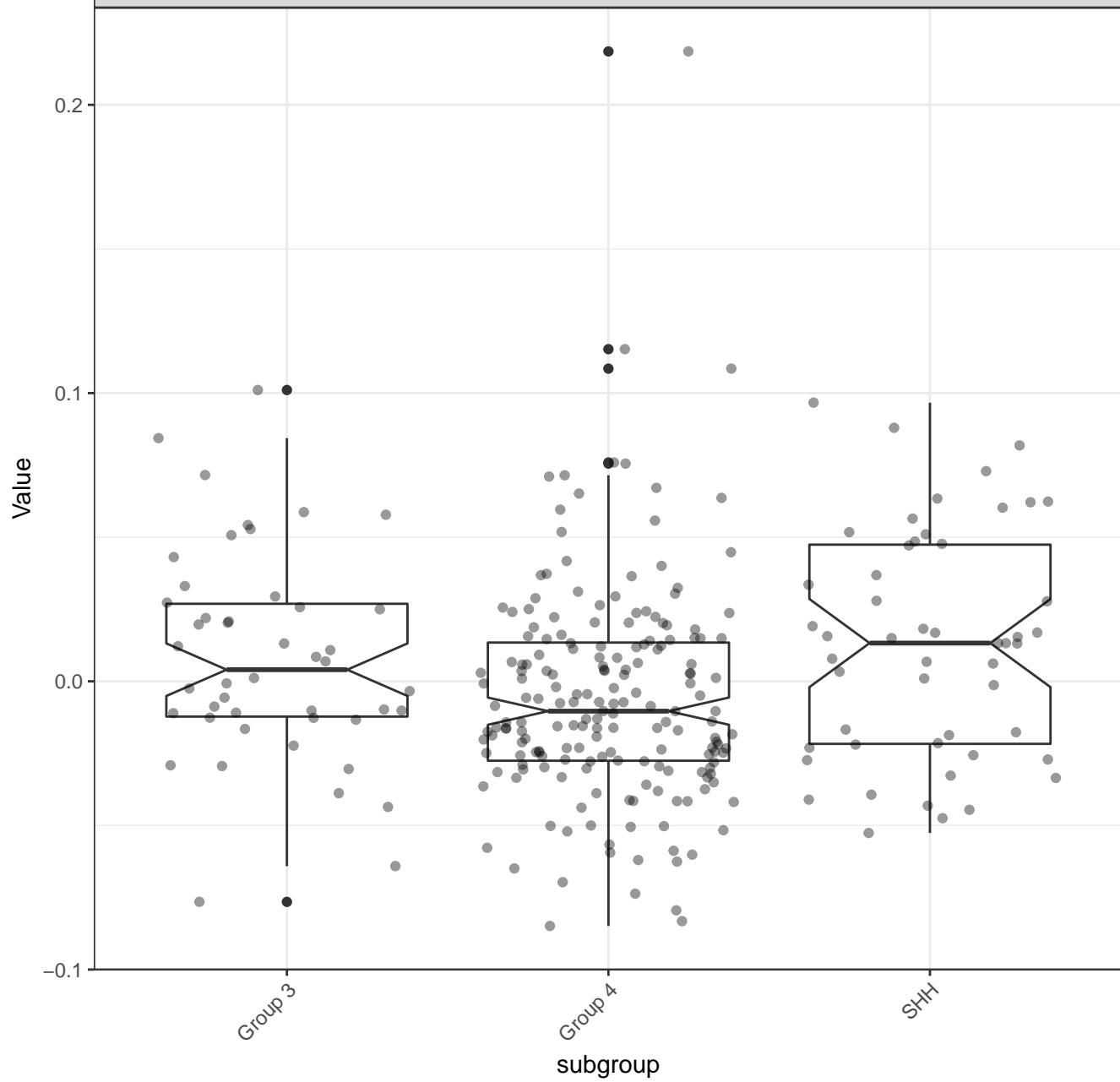
Group 4

SHH

subgroup

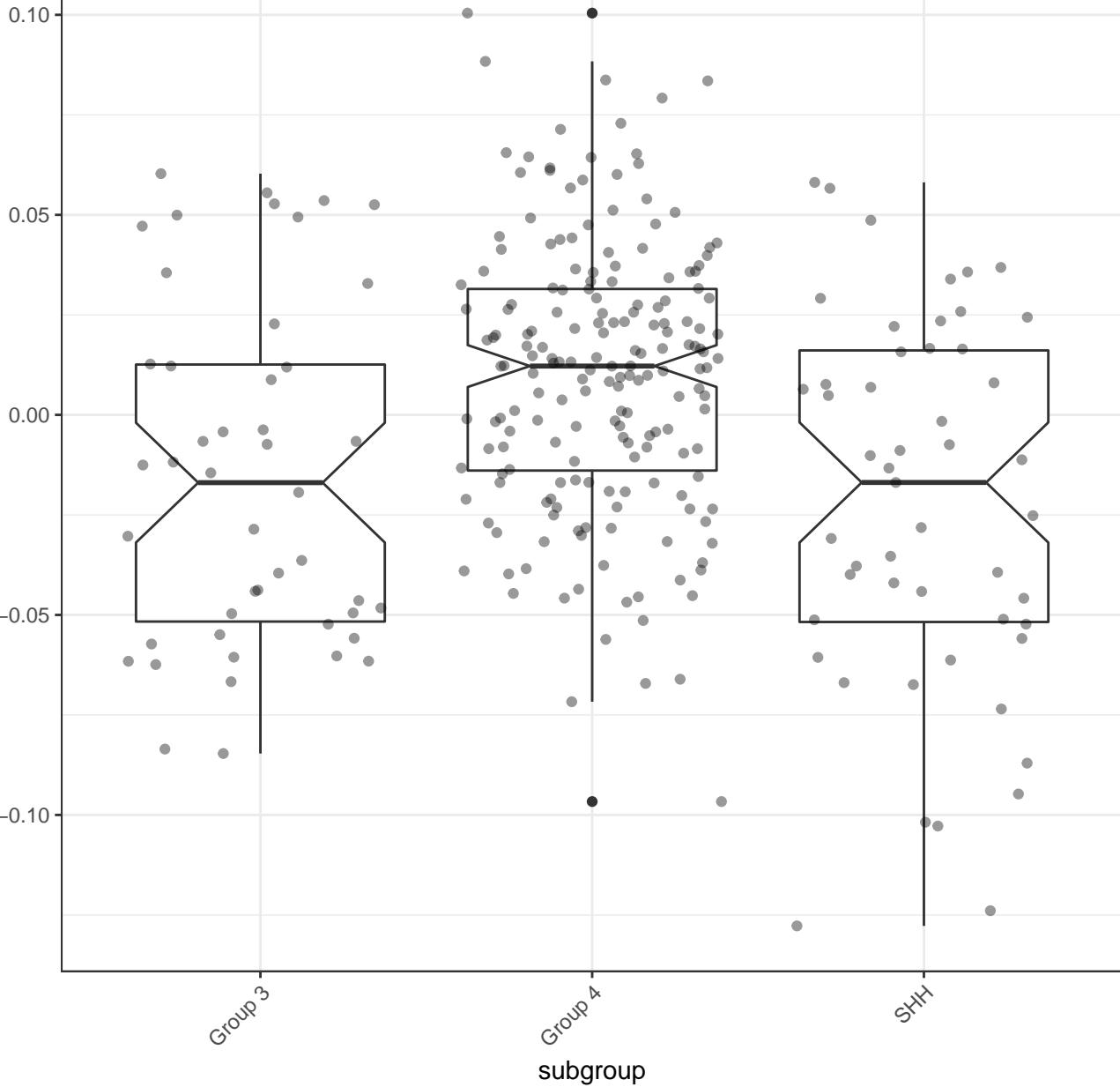


96,SVM NK cells activated



97,KEGG_ARACHIDONIC_ACID_METABOLISM

Value



LV 98

Value

0.05

0.00

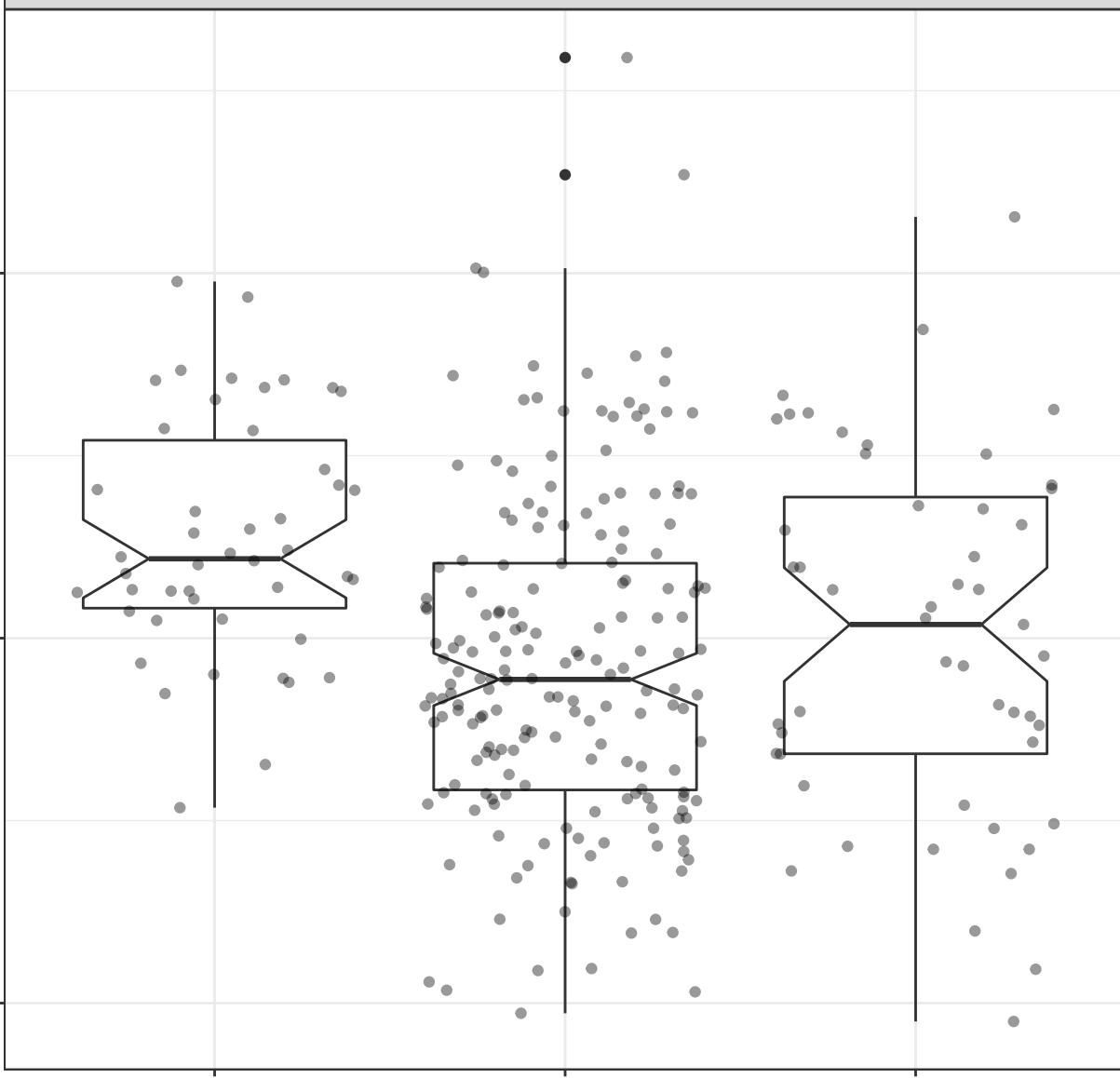
-0.05

Group 3

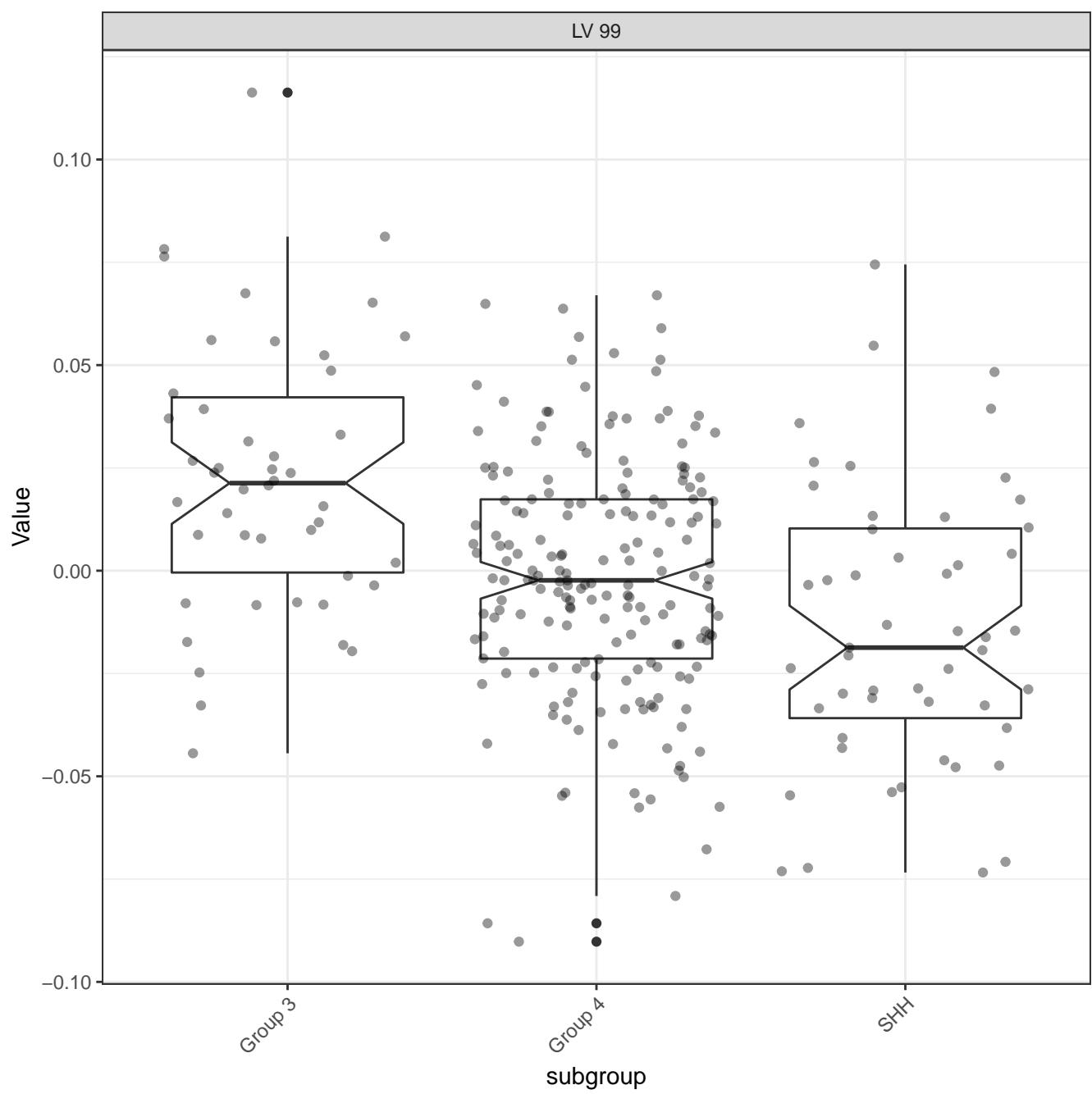
Group 4

SHH

subgroup



LV 99



LV 100

Value

0.10

0.05

0.00

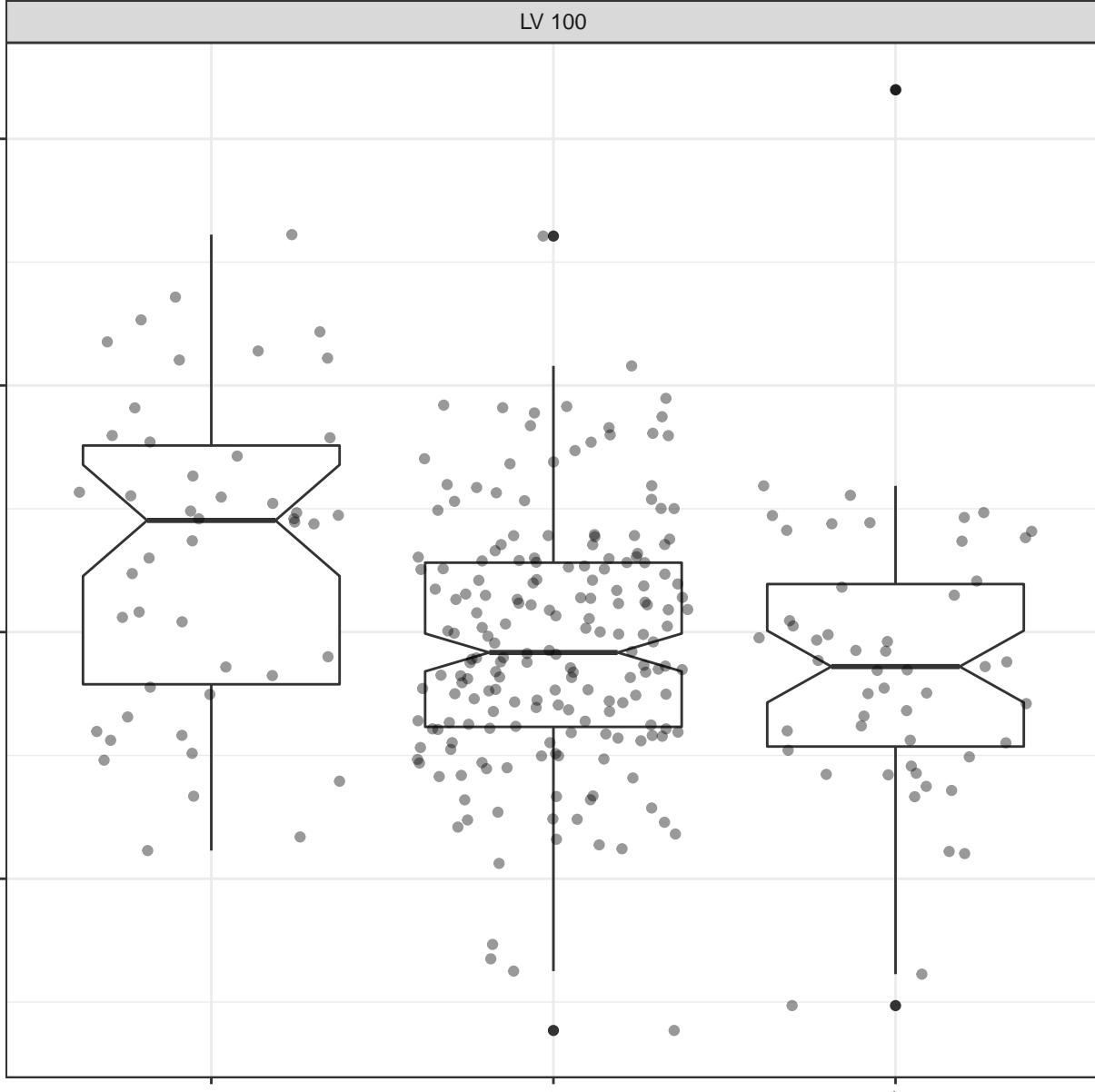
-0.05

Group 3

subgroup

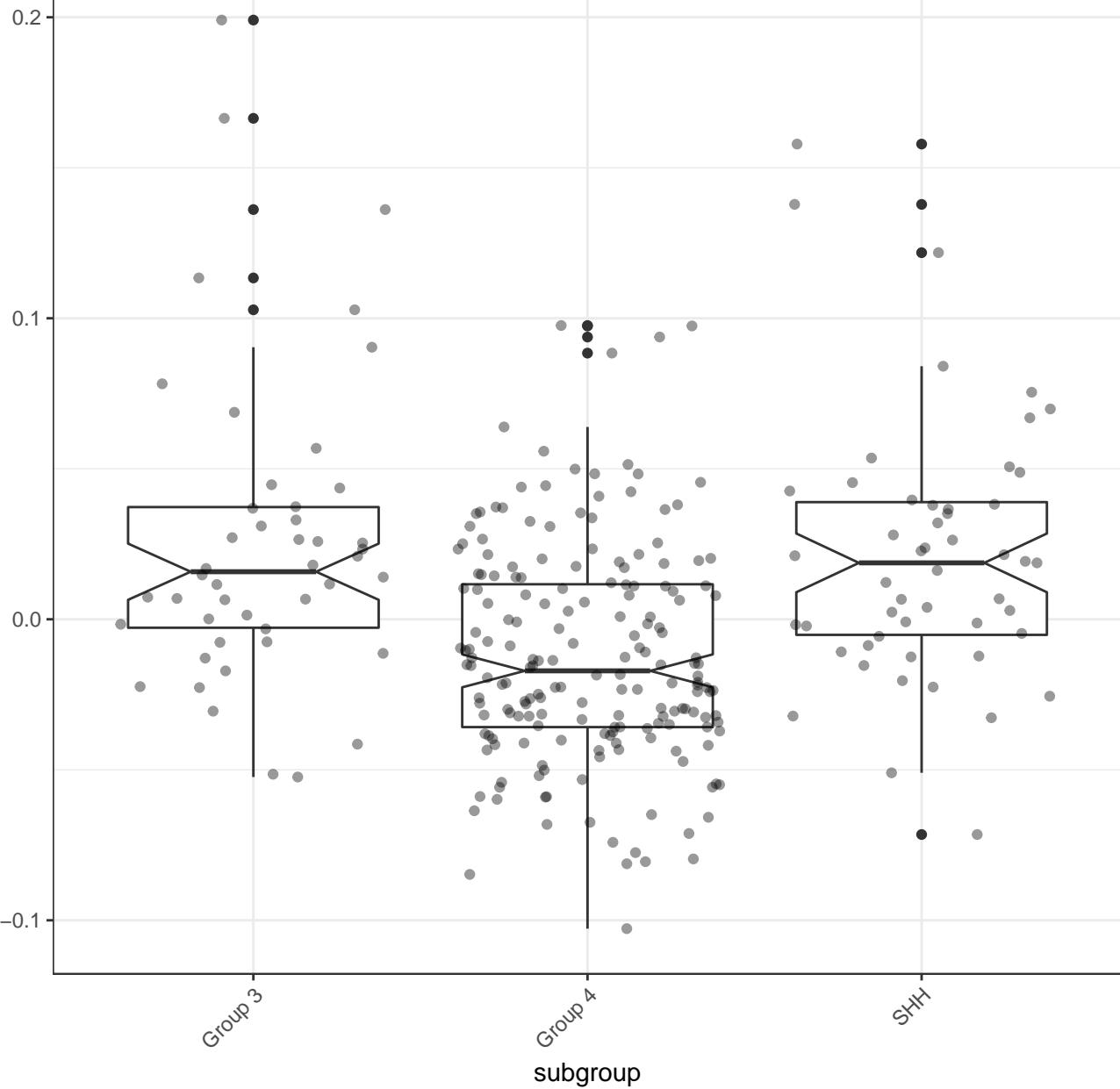
Group 4

SHH



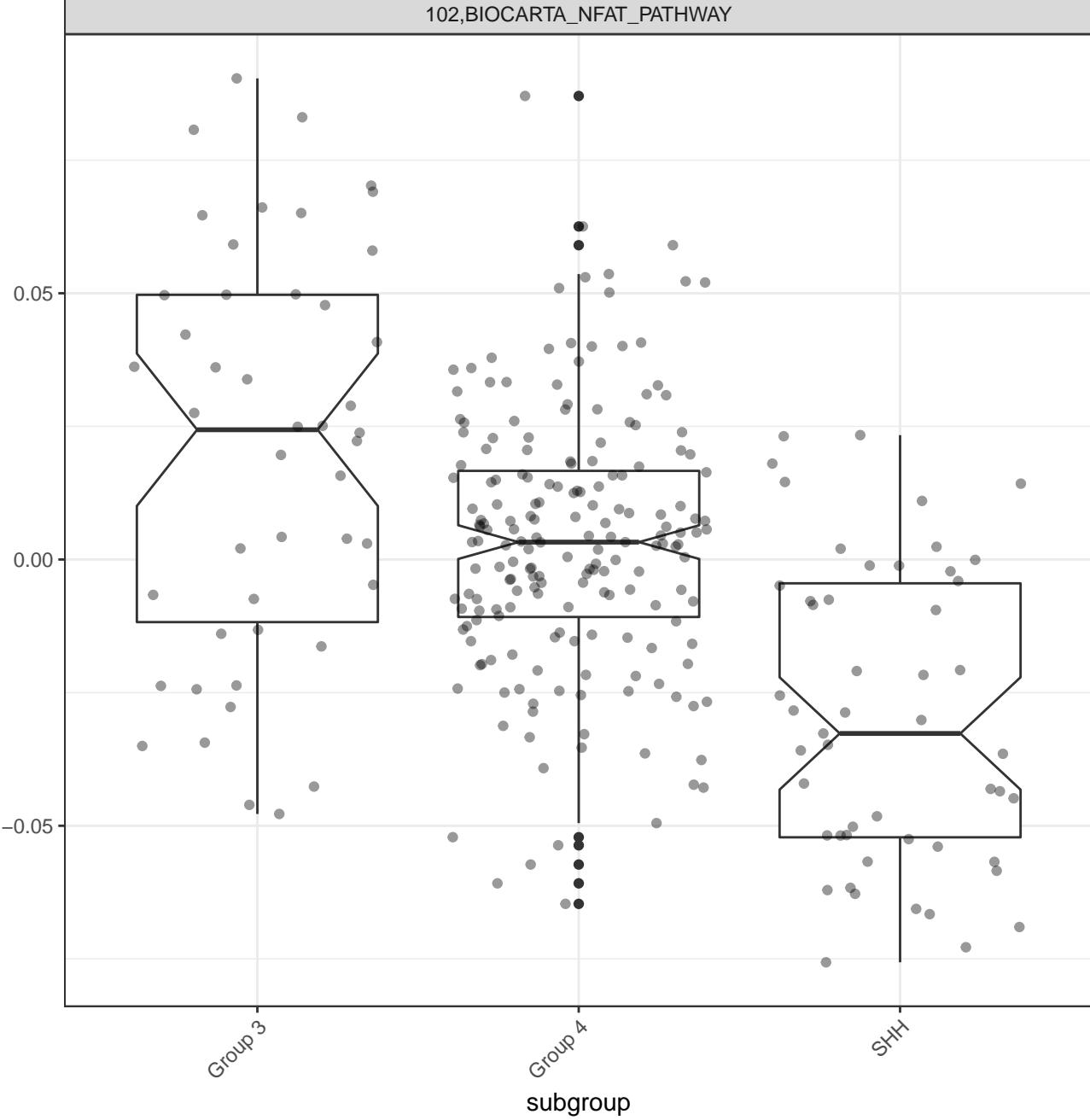
101,DMAP_NKA3

Value

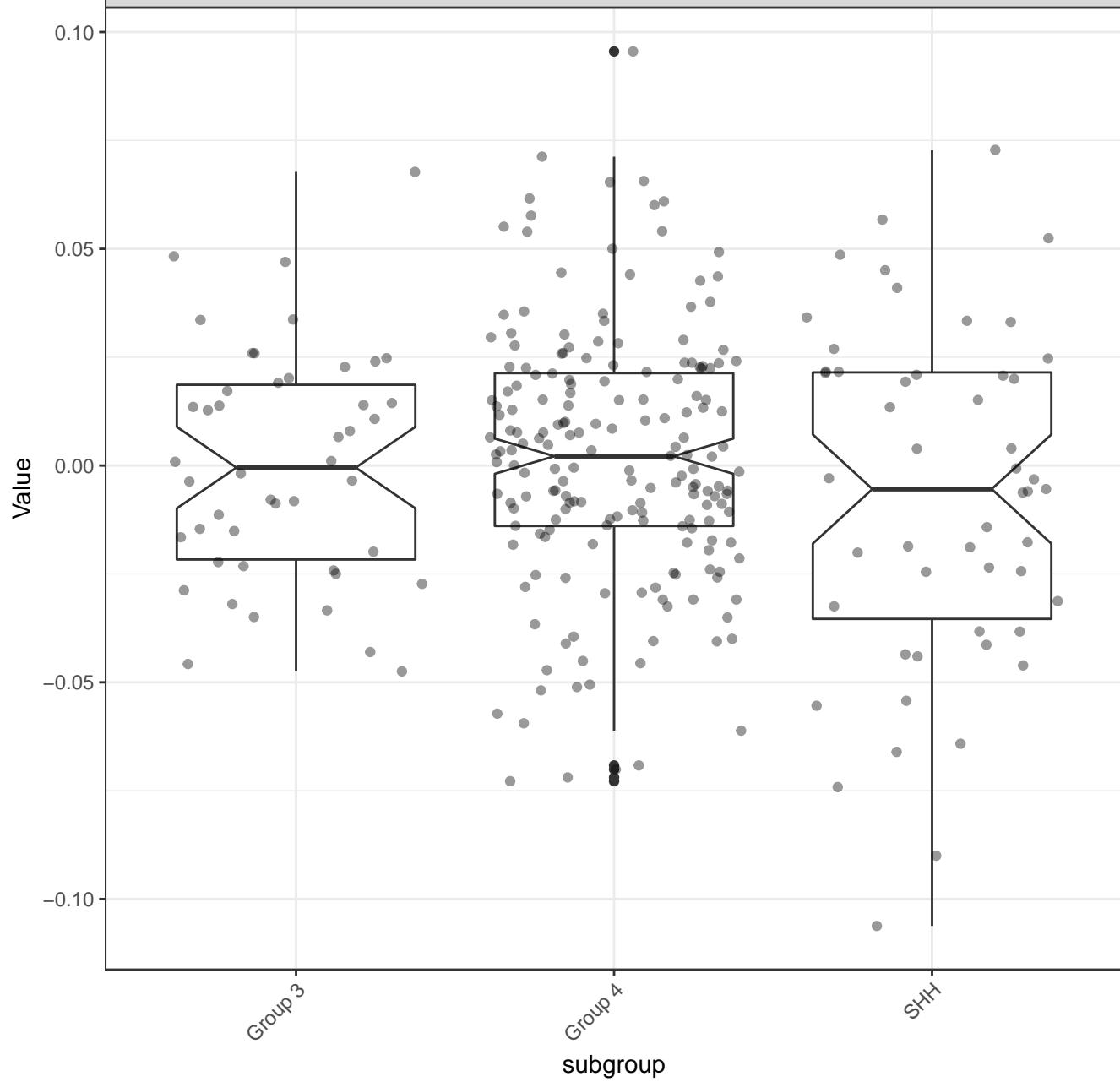


102,BIOCARTA_NFAT_PATHWAY

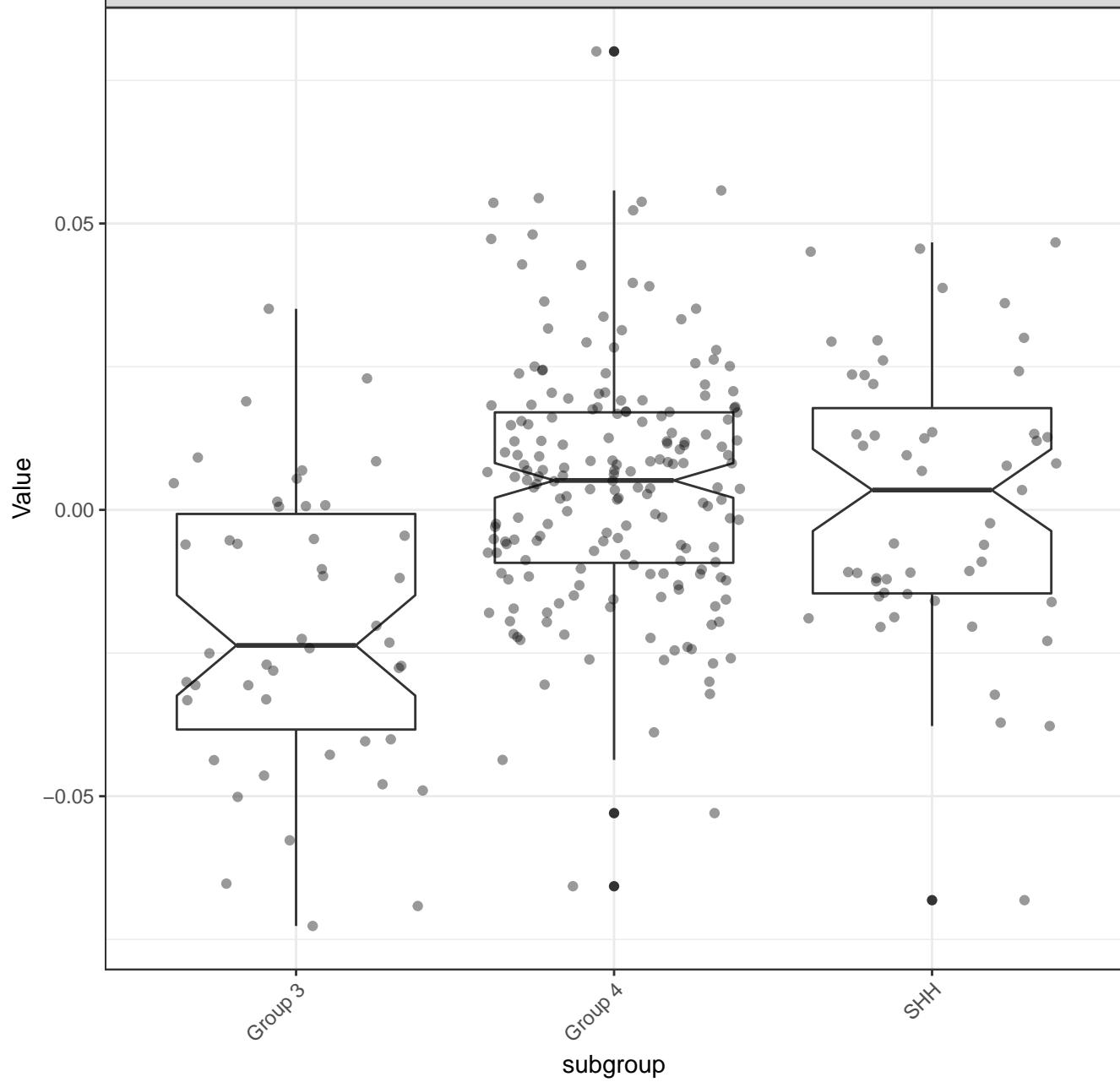
Vvalue



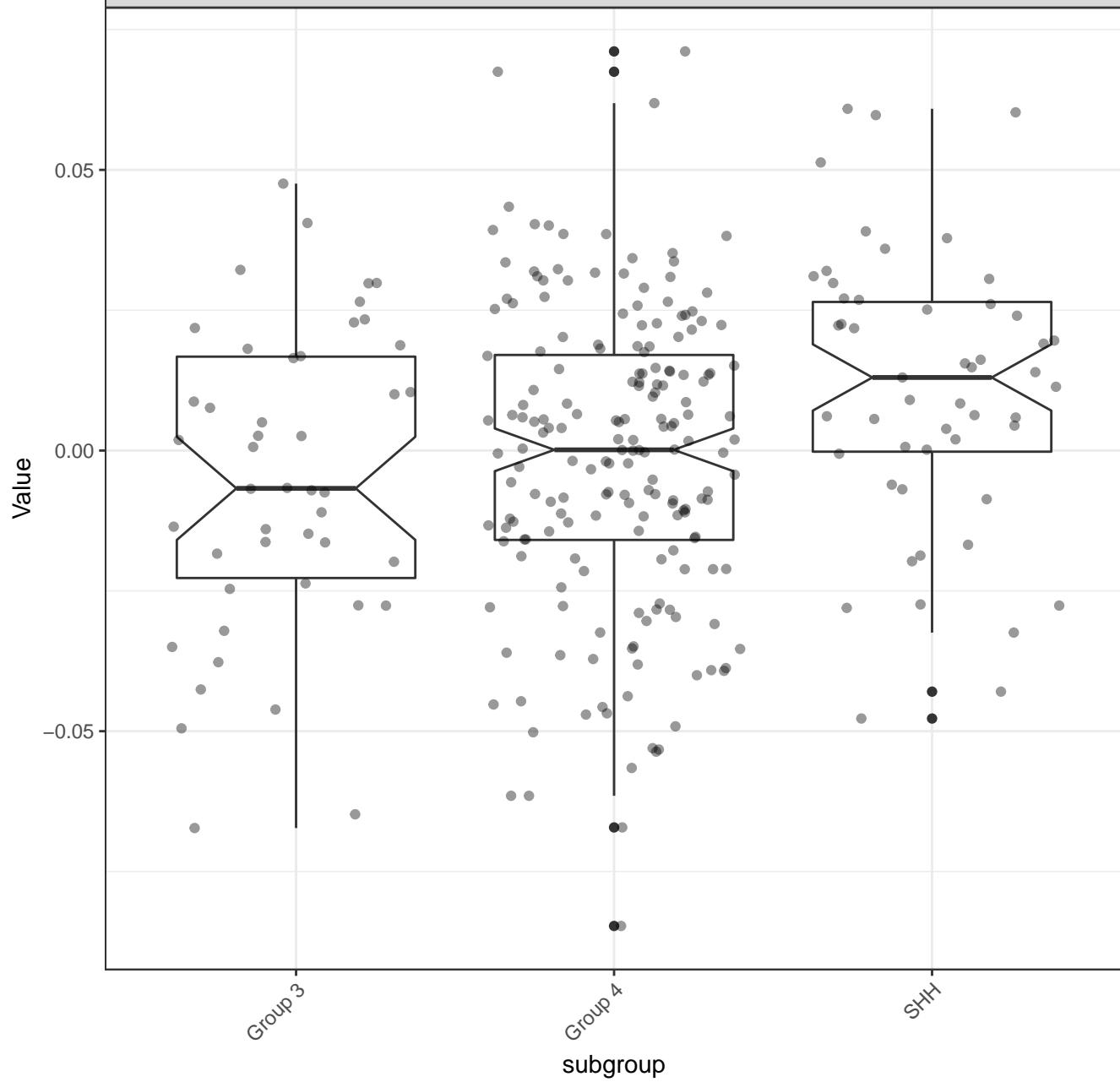
LV 103



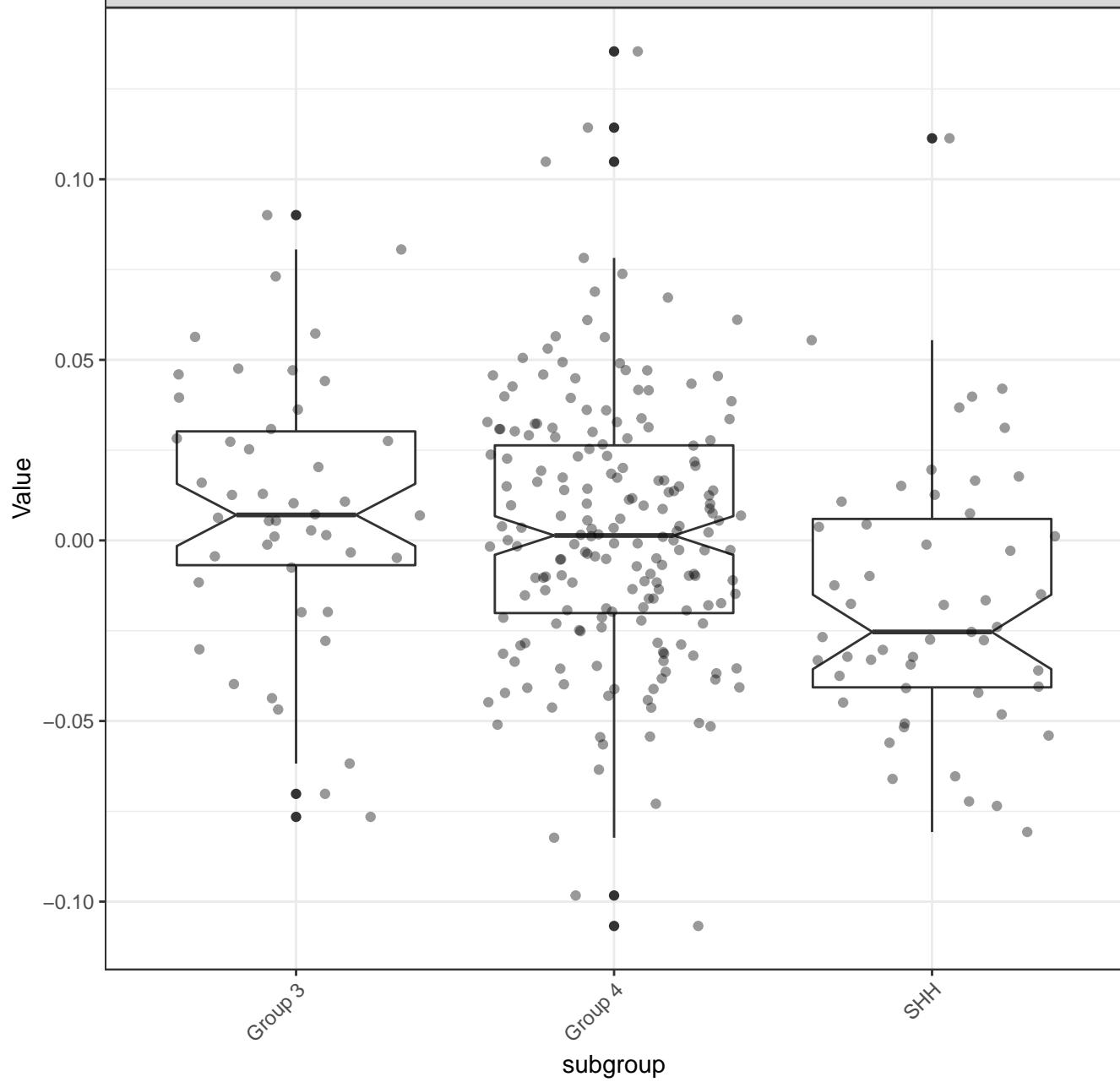
LV 104



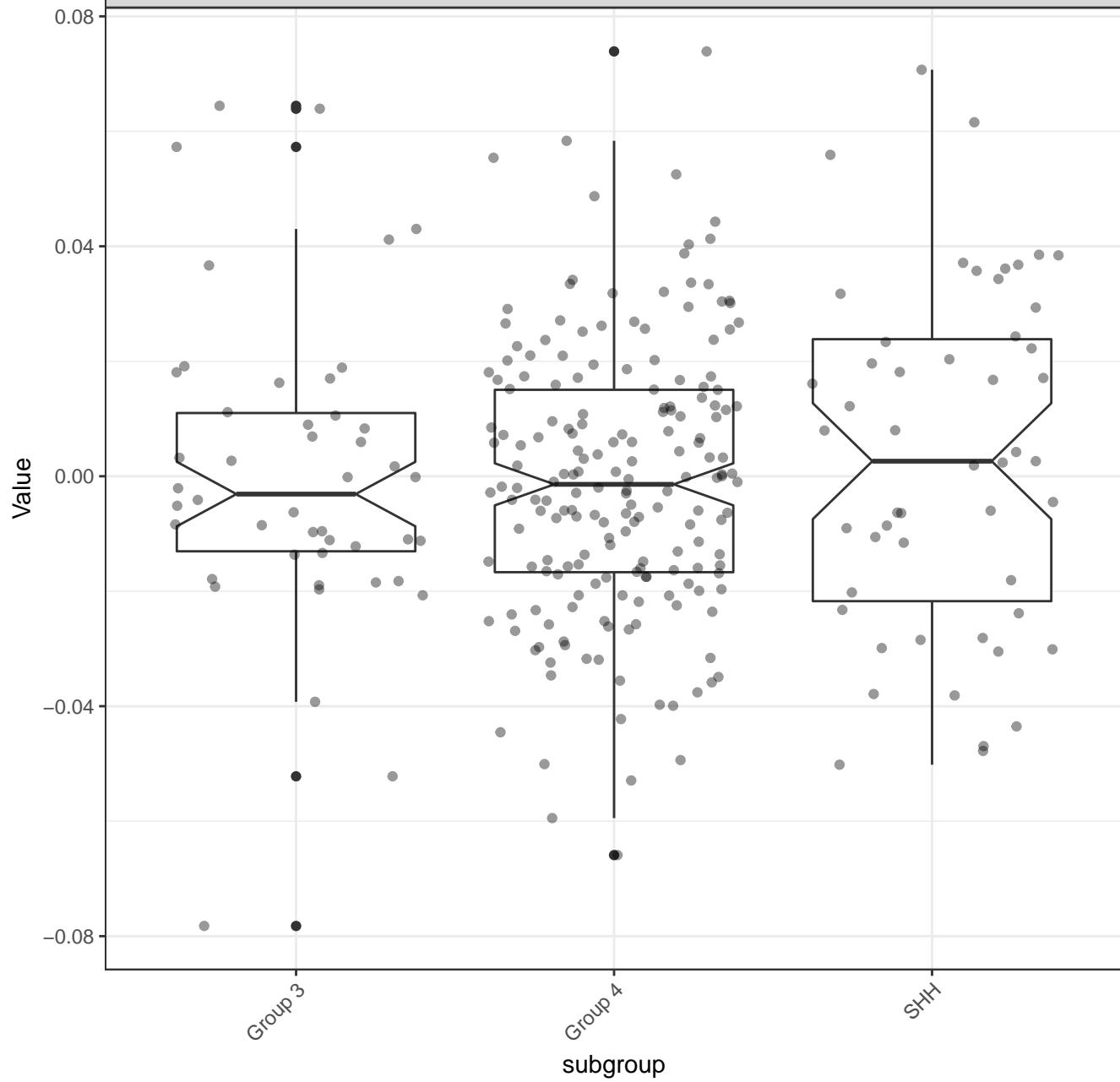
LV 105



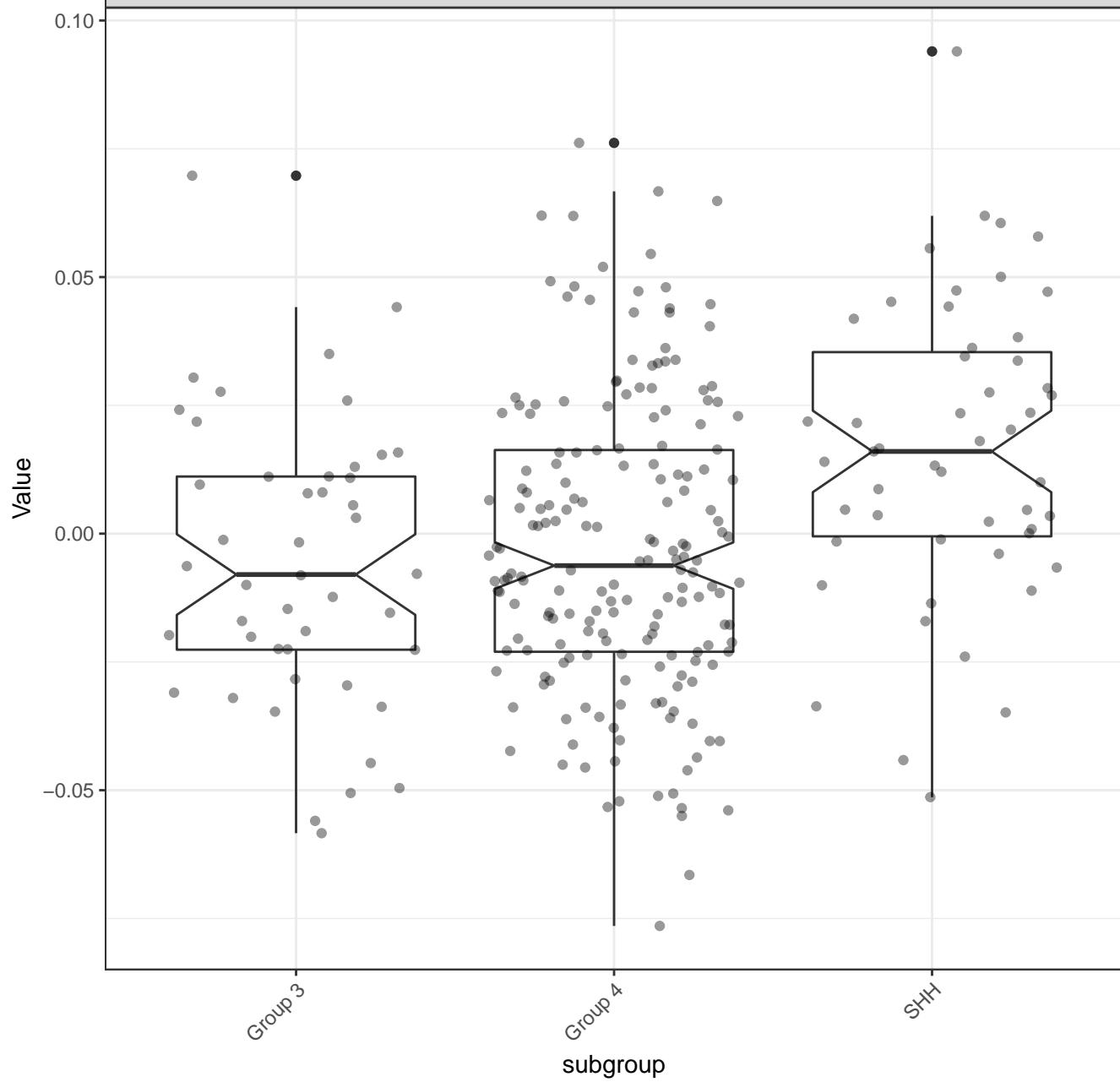
LV 106



LV 107



LV 108



LV 109

Value

0.05

0.00

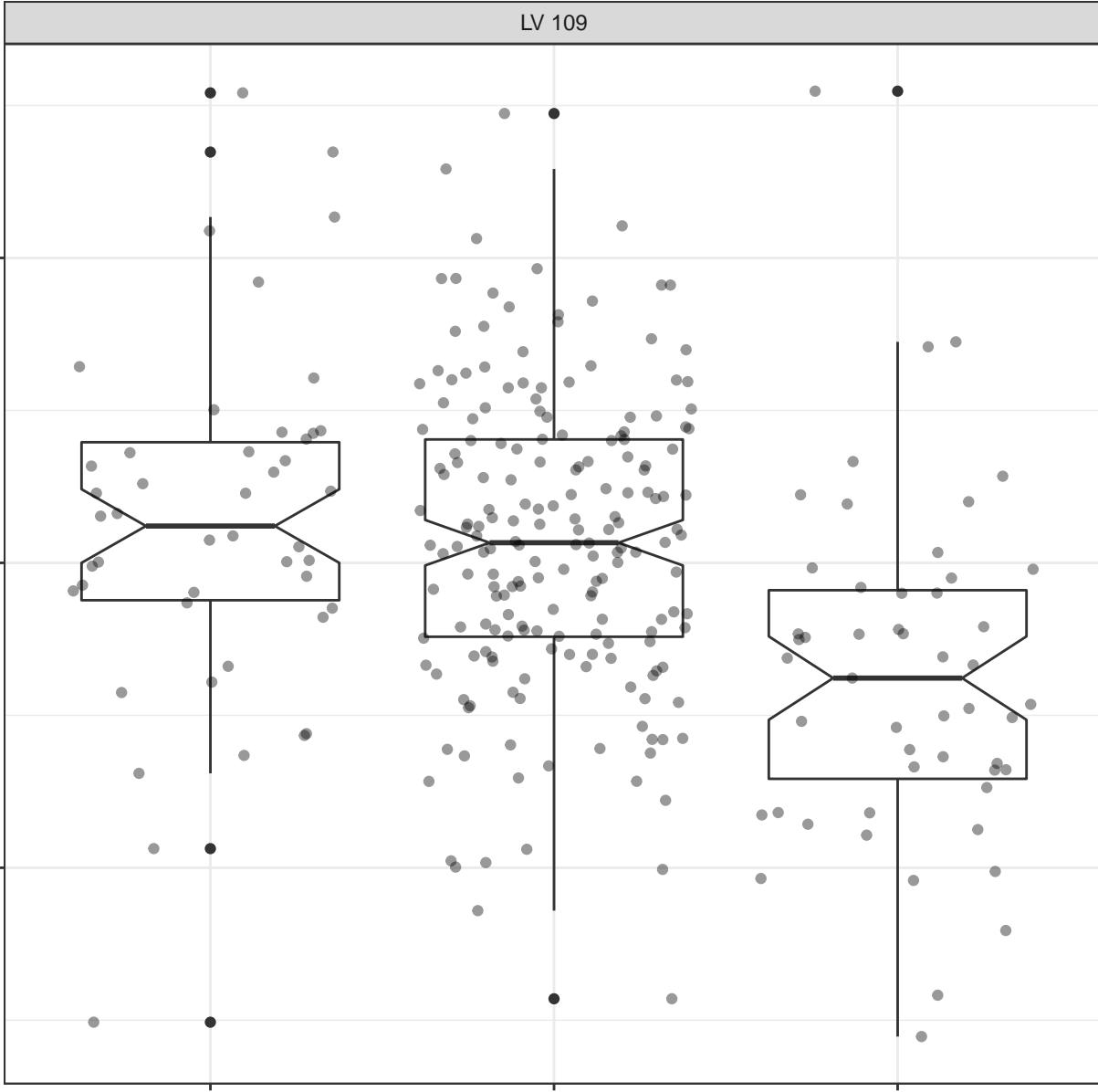
-0.05

Group 3

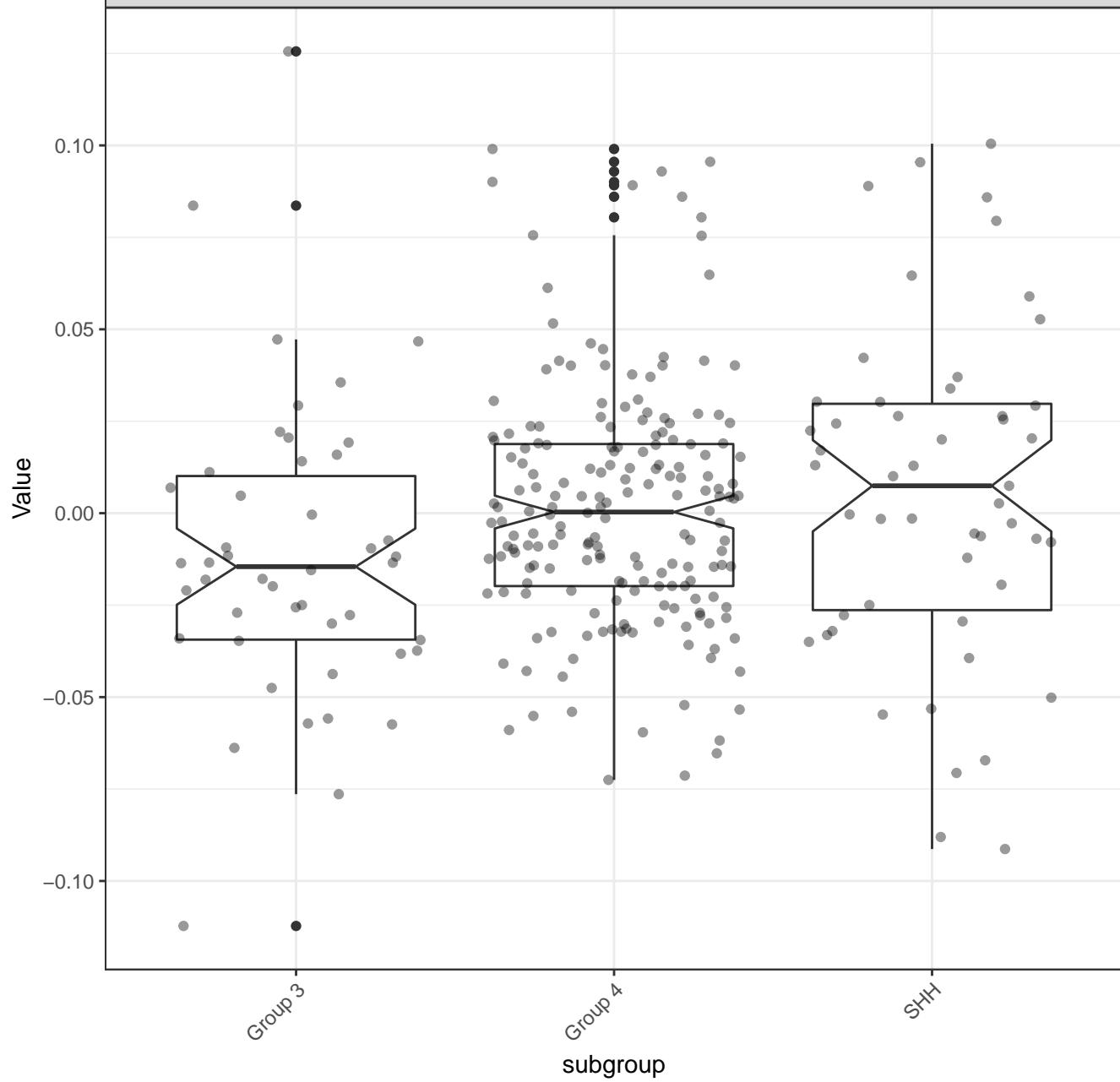
subgroup

Group 4

SHH



110,REACTOME_MEIOSIS



LV 111

Value

0.2

0.1

0.0

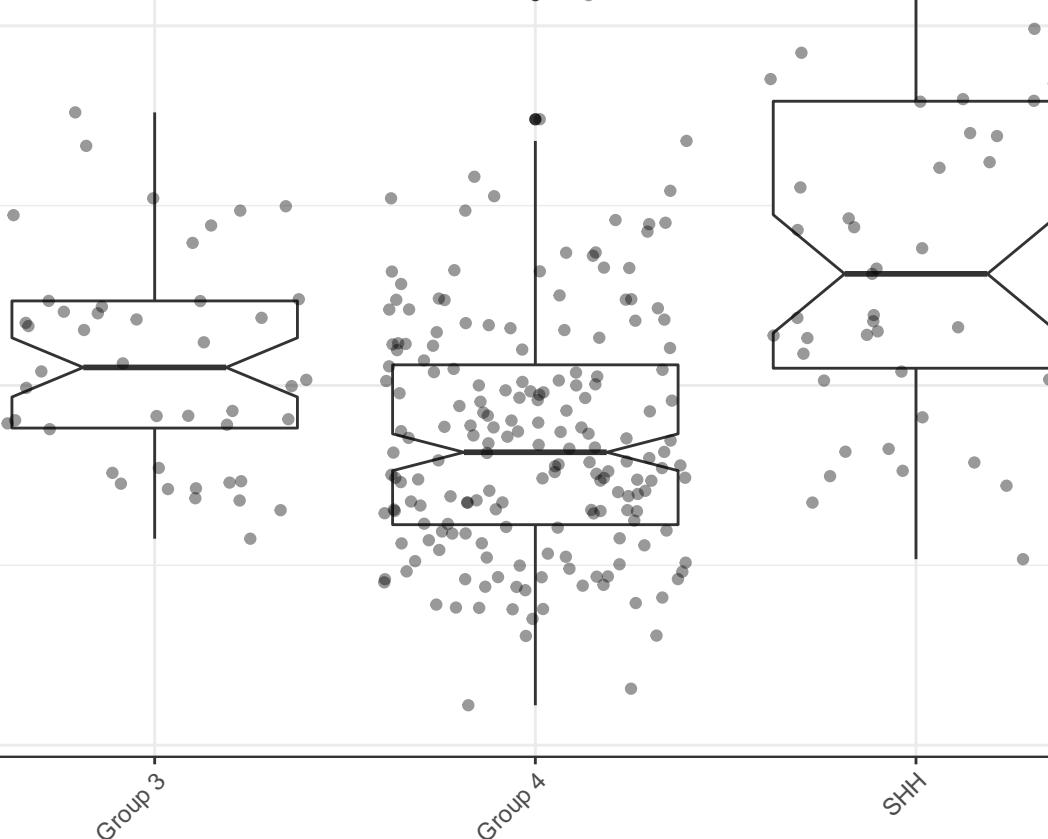
-0.1

Group³

Group⁴

SHH

subgroup



LV 112

Value

0.05

0.00

-0.05

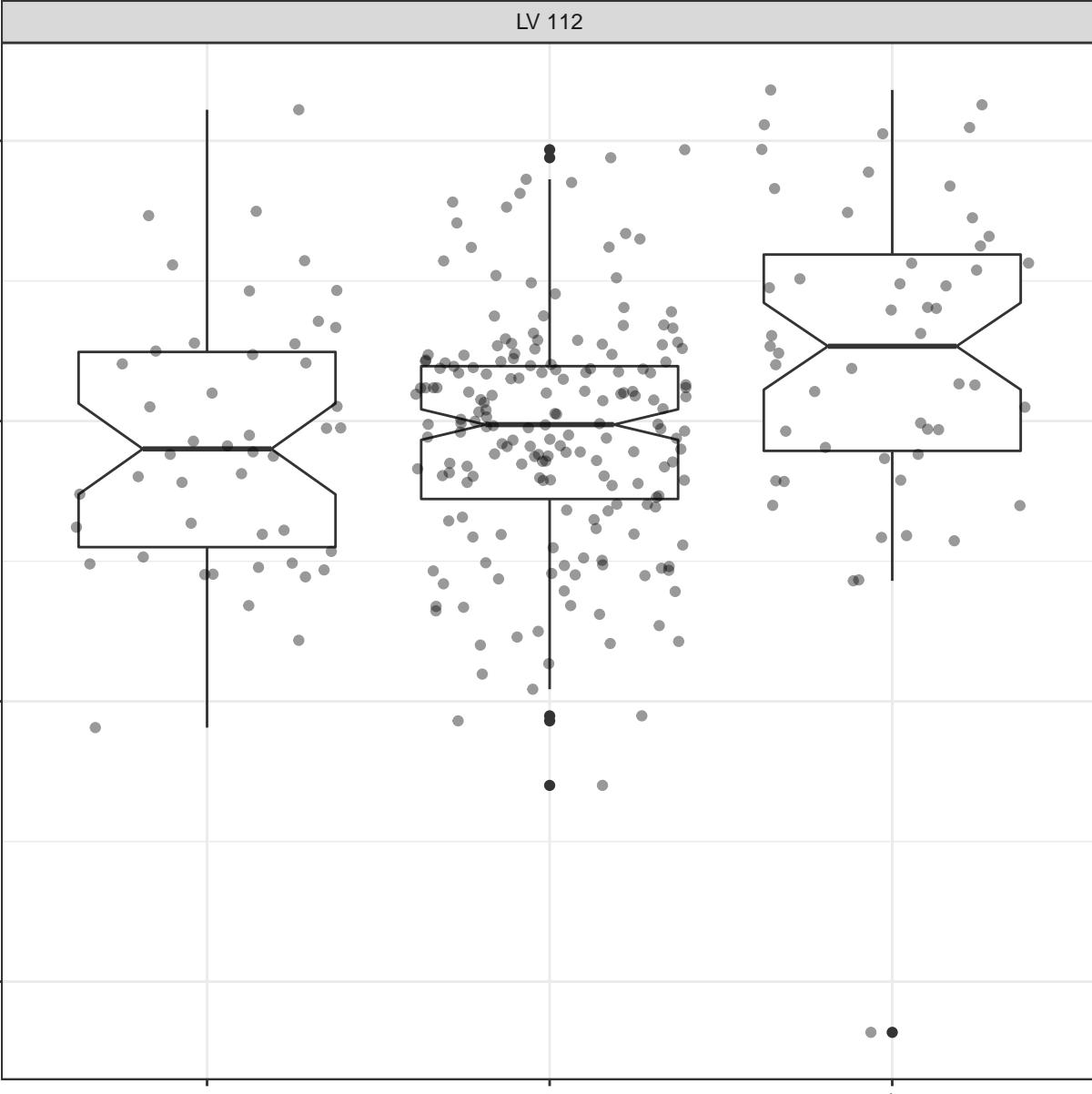
-0.10

Group₃

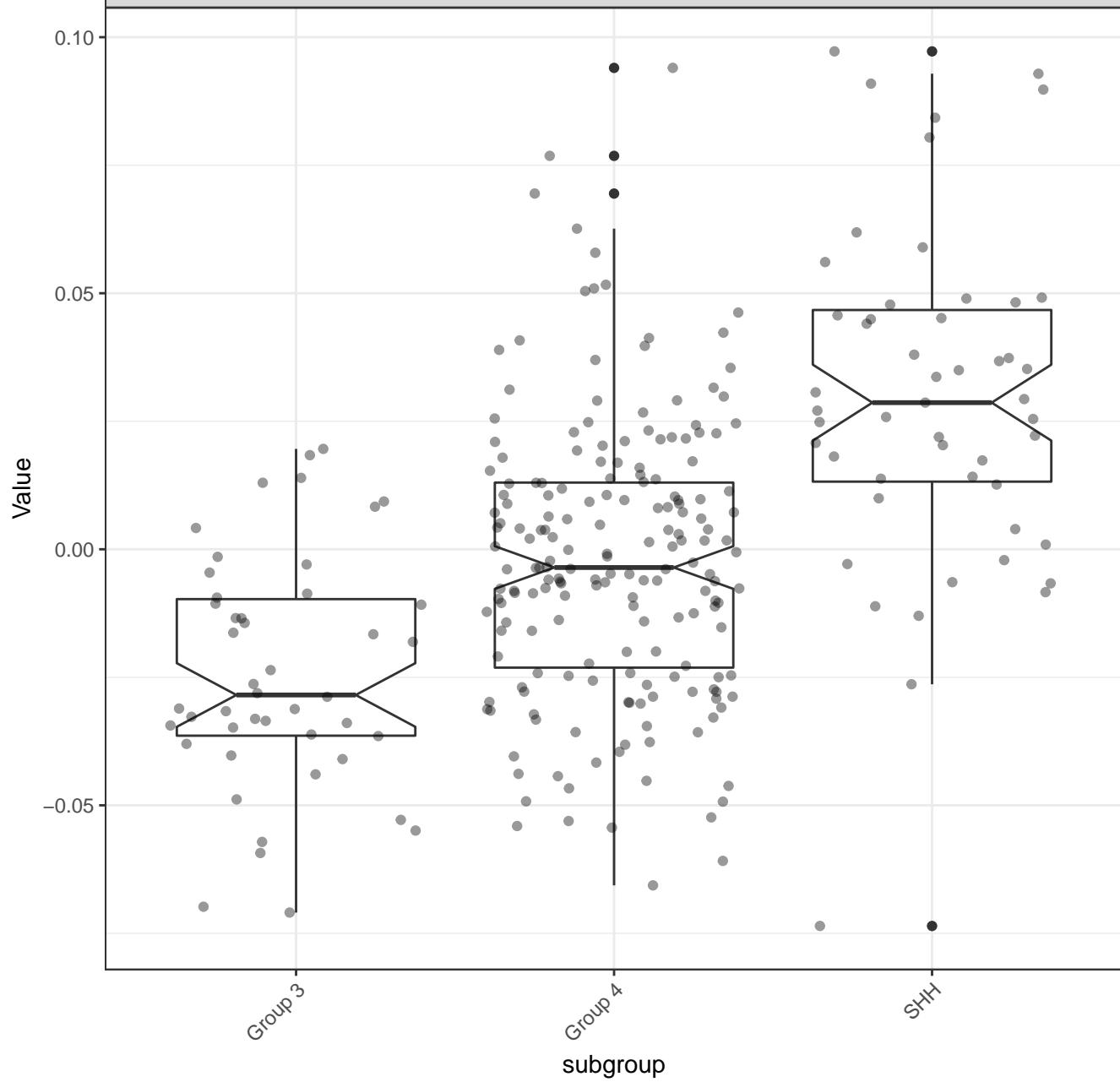
subgroup

Group₄

SHH



LV 113



LV 114

Value

0.10

0.05

0.00

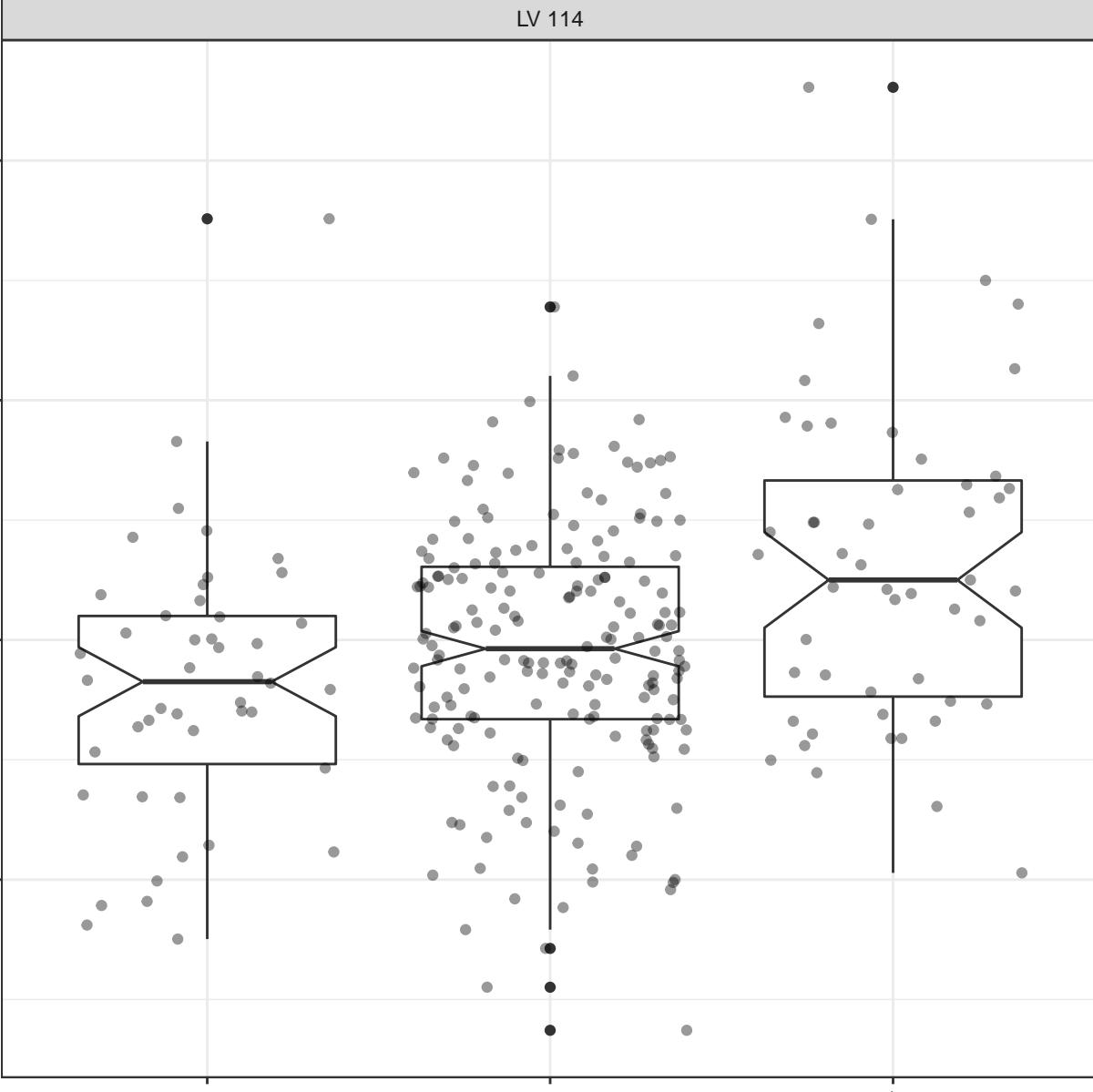
-0.05

Group 3

subgroup

Group 4

SHH



LV 115

Value

0.10

0.05

0.00

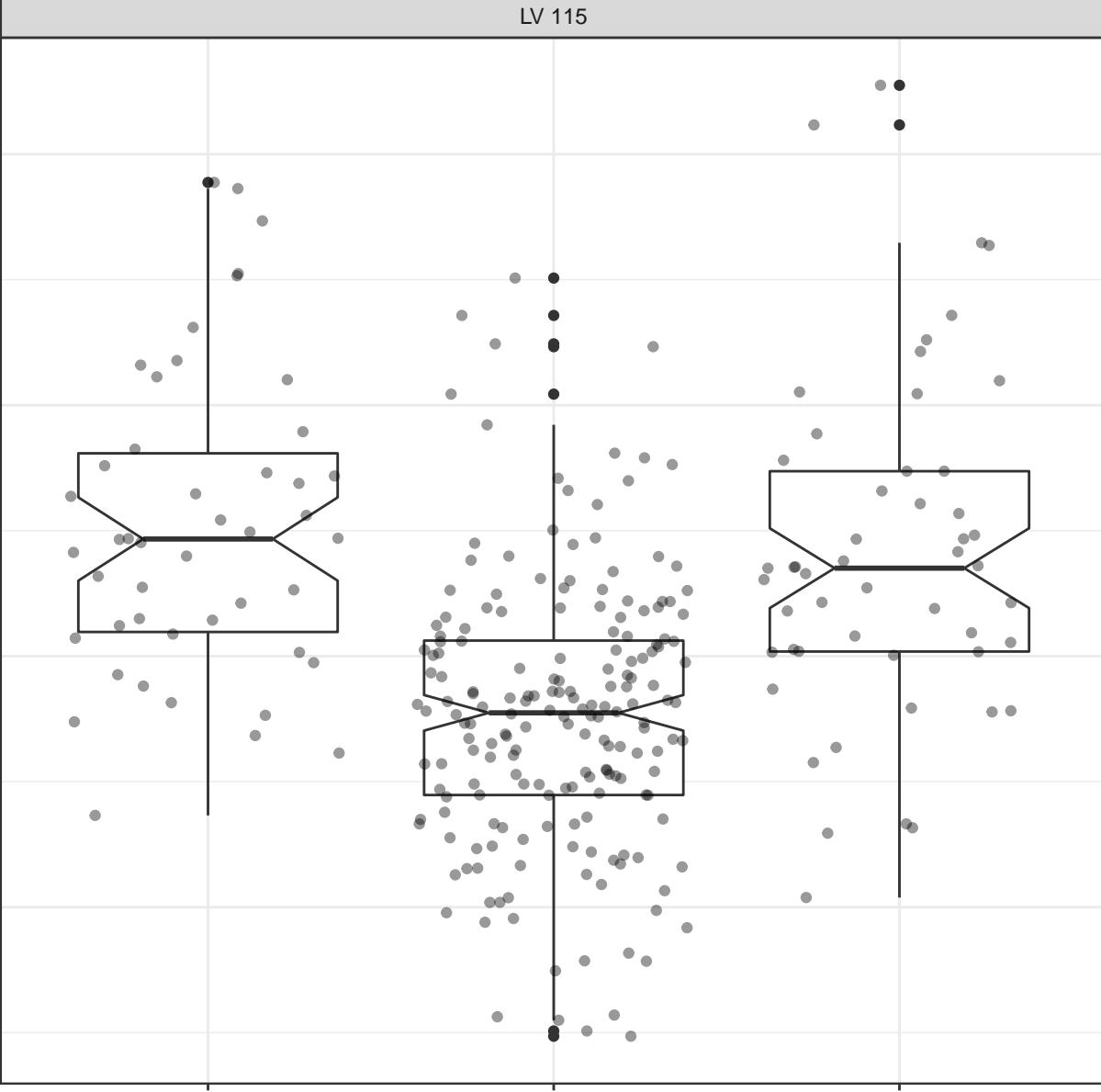
-0.05

Group 3

subgroup

Group 4

SHH



116,REACTOME_INTERFERON_ALPHA_BETA_SIGNALING

Value

0.4

0.2

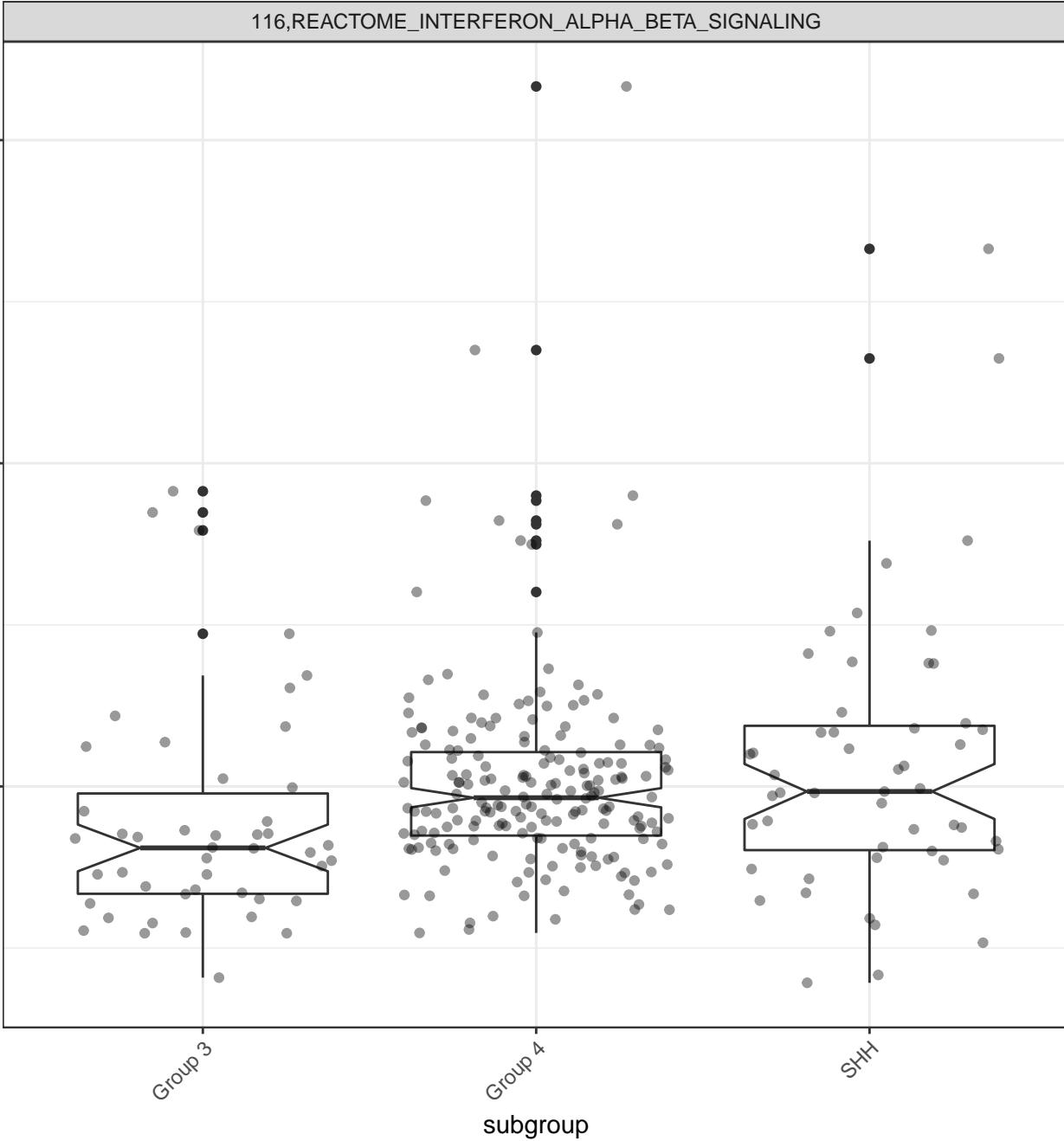
0.0

Group 3

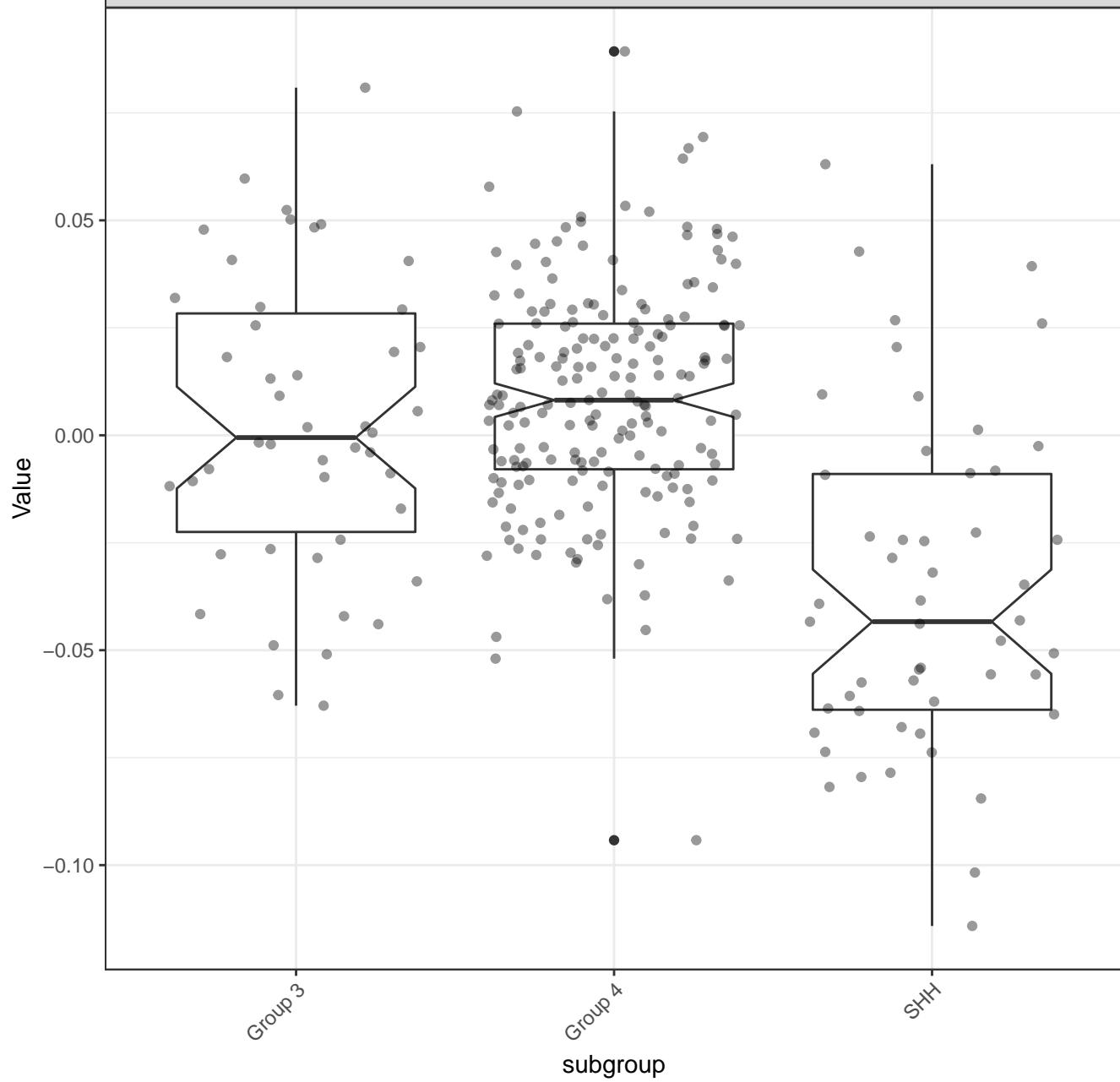
Group 4

SHH

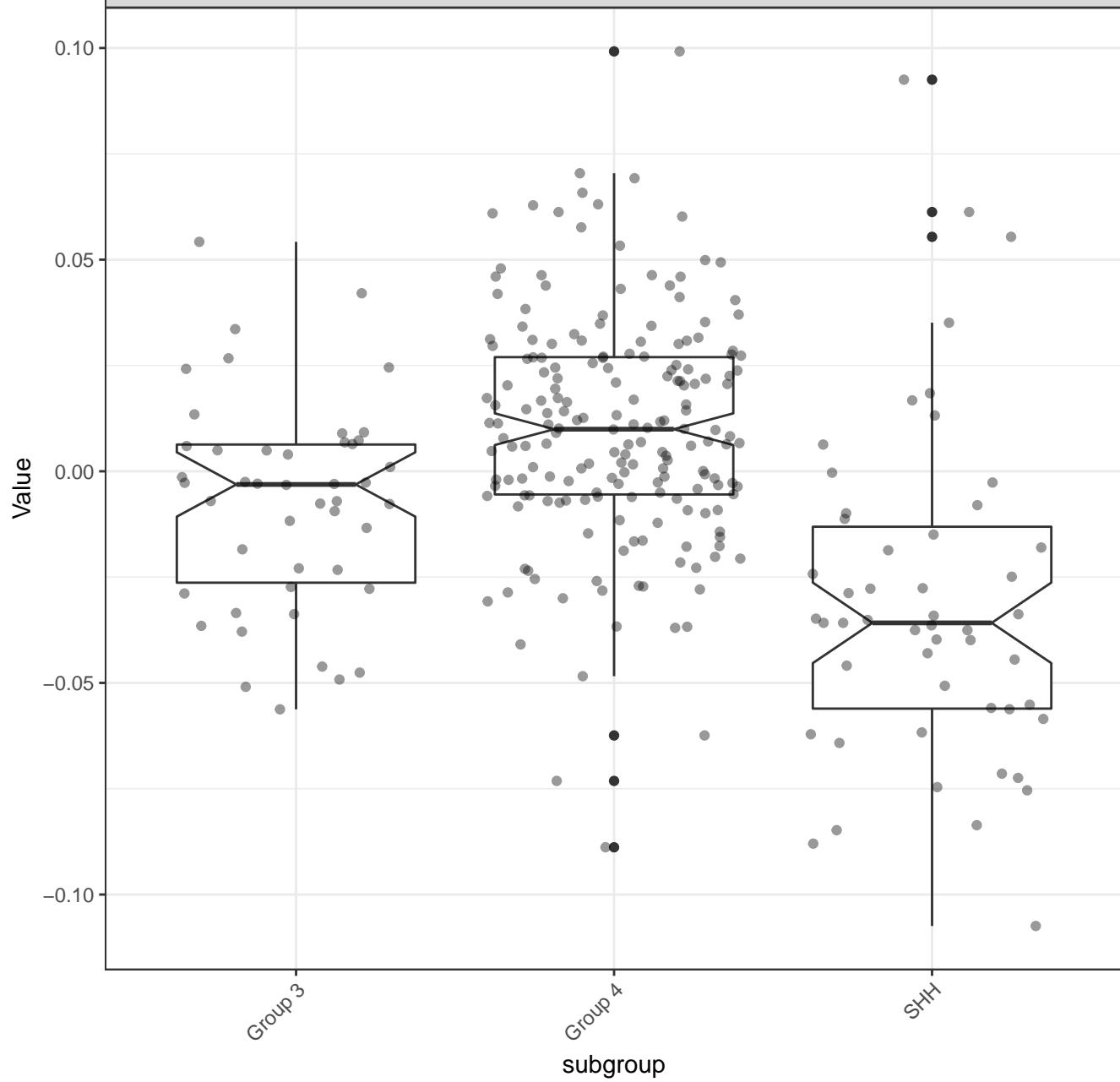
subgroup



LV 117



LV 118



LV 119

Value

0.10

0.05

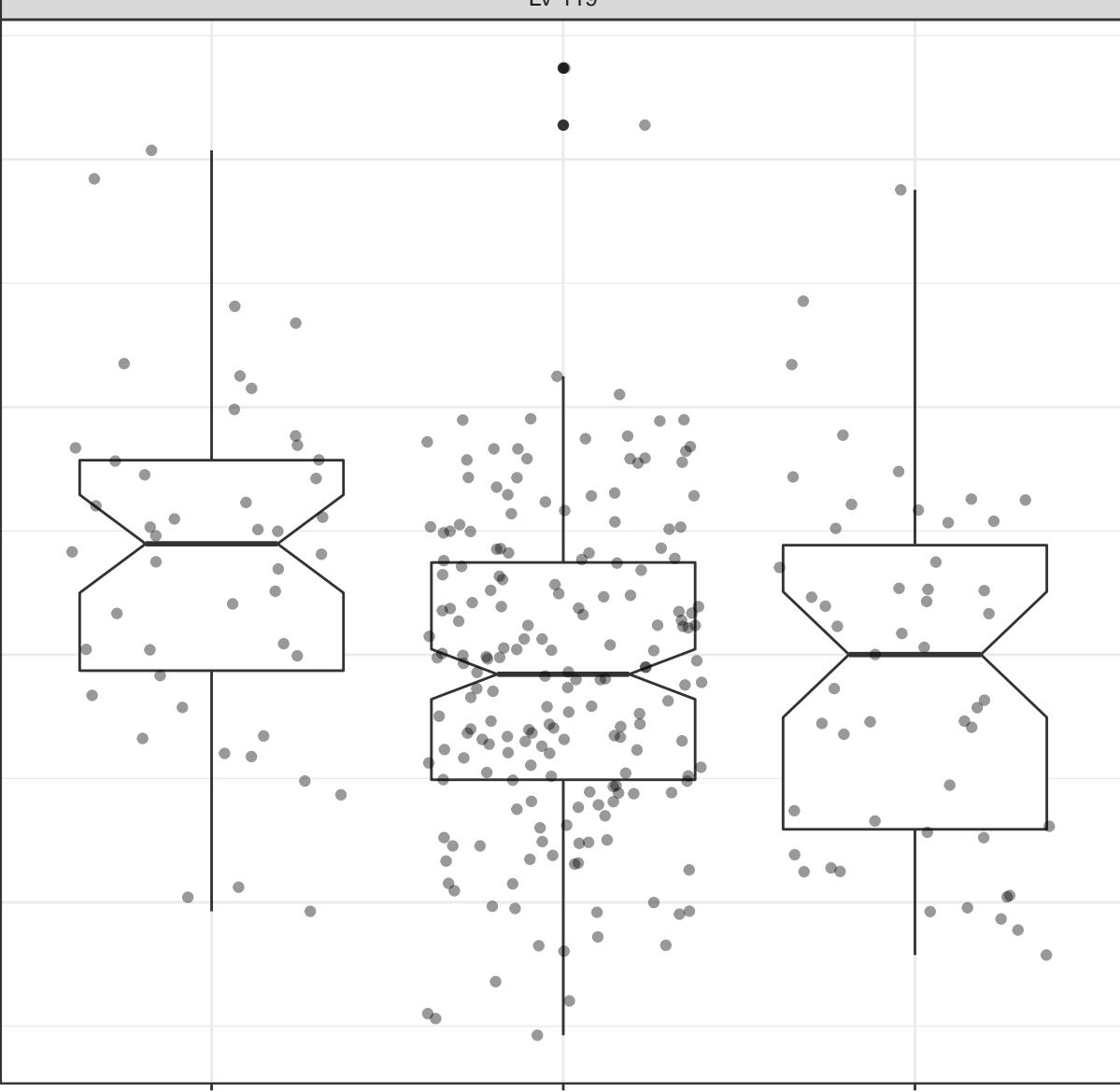
0.00

-0.05

Group 3

subgroup

SHH



LV 120

Value

0.10

0.05

0.00

-0.05

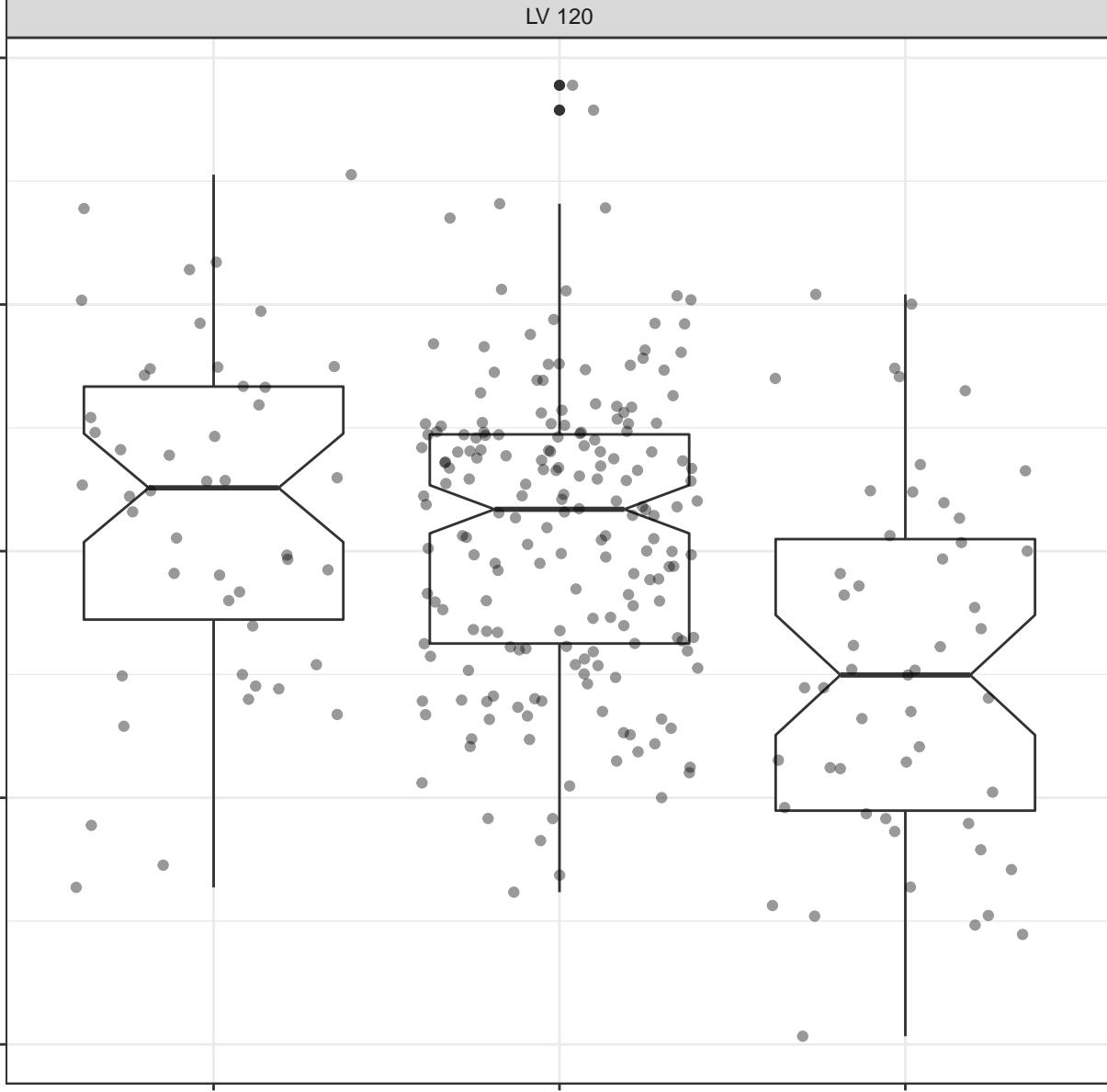
-0.10

Group 3

Group 4

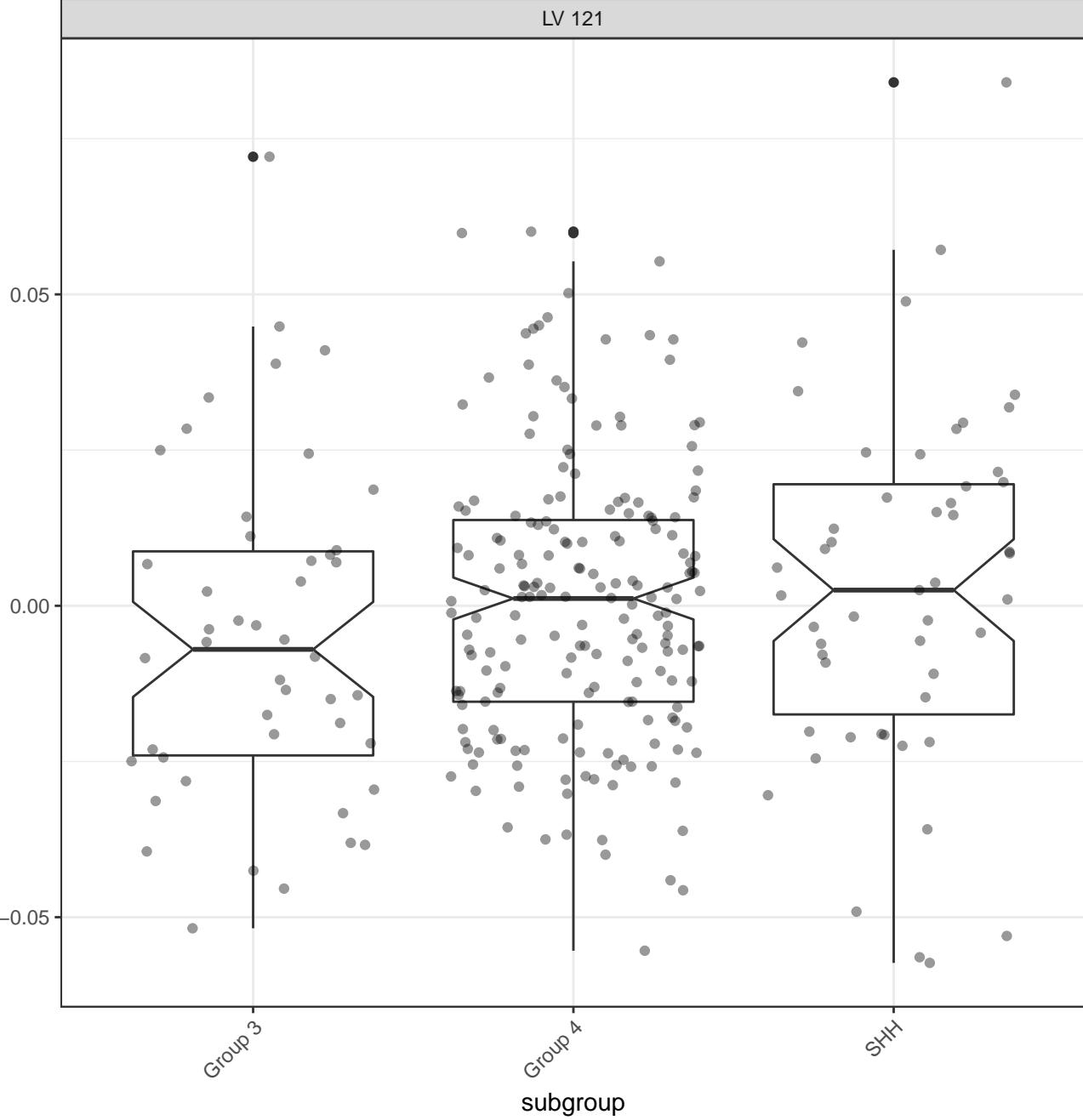
SHH

subgroup

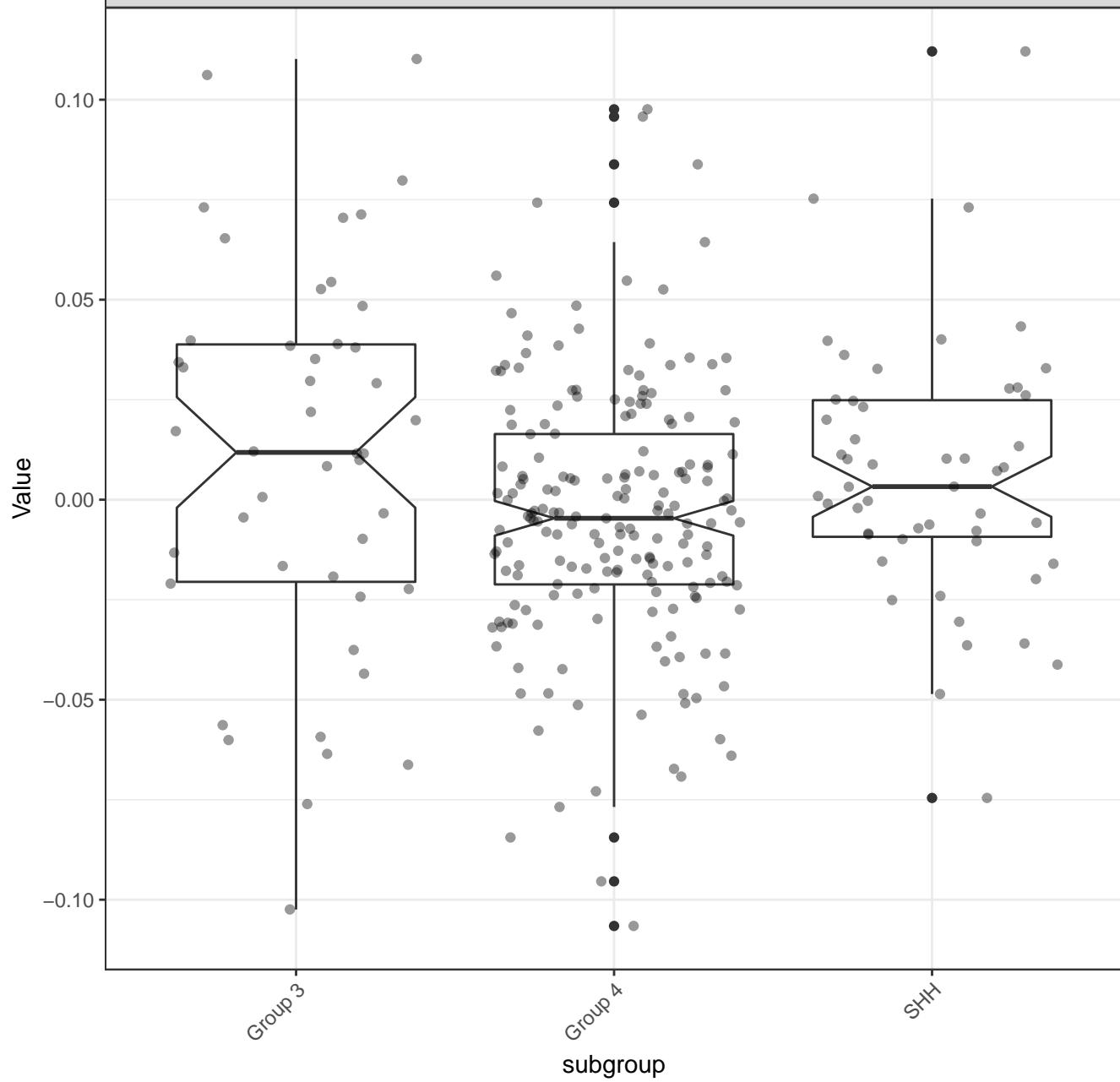


LV 121

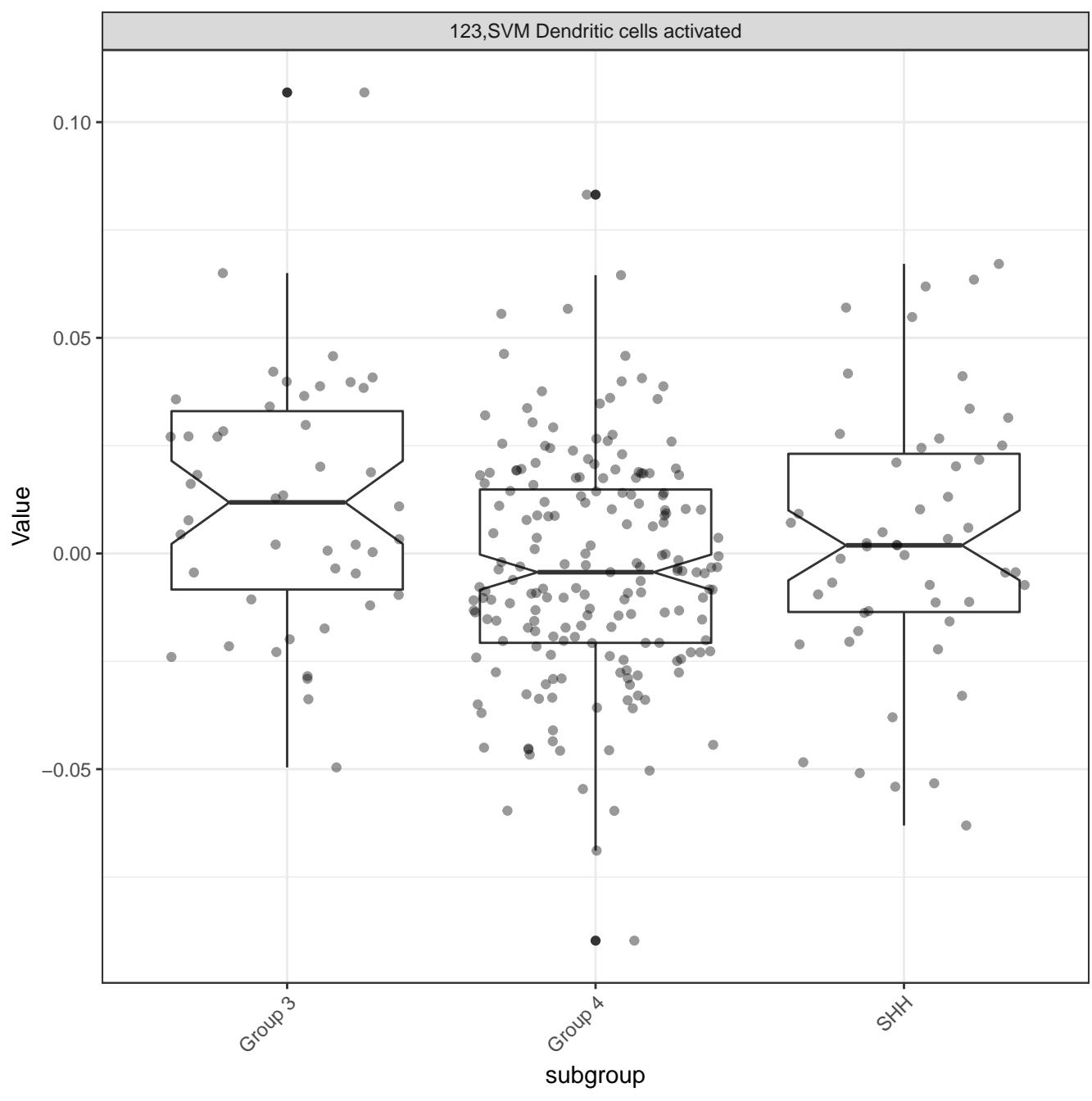
Value



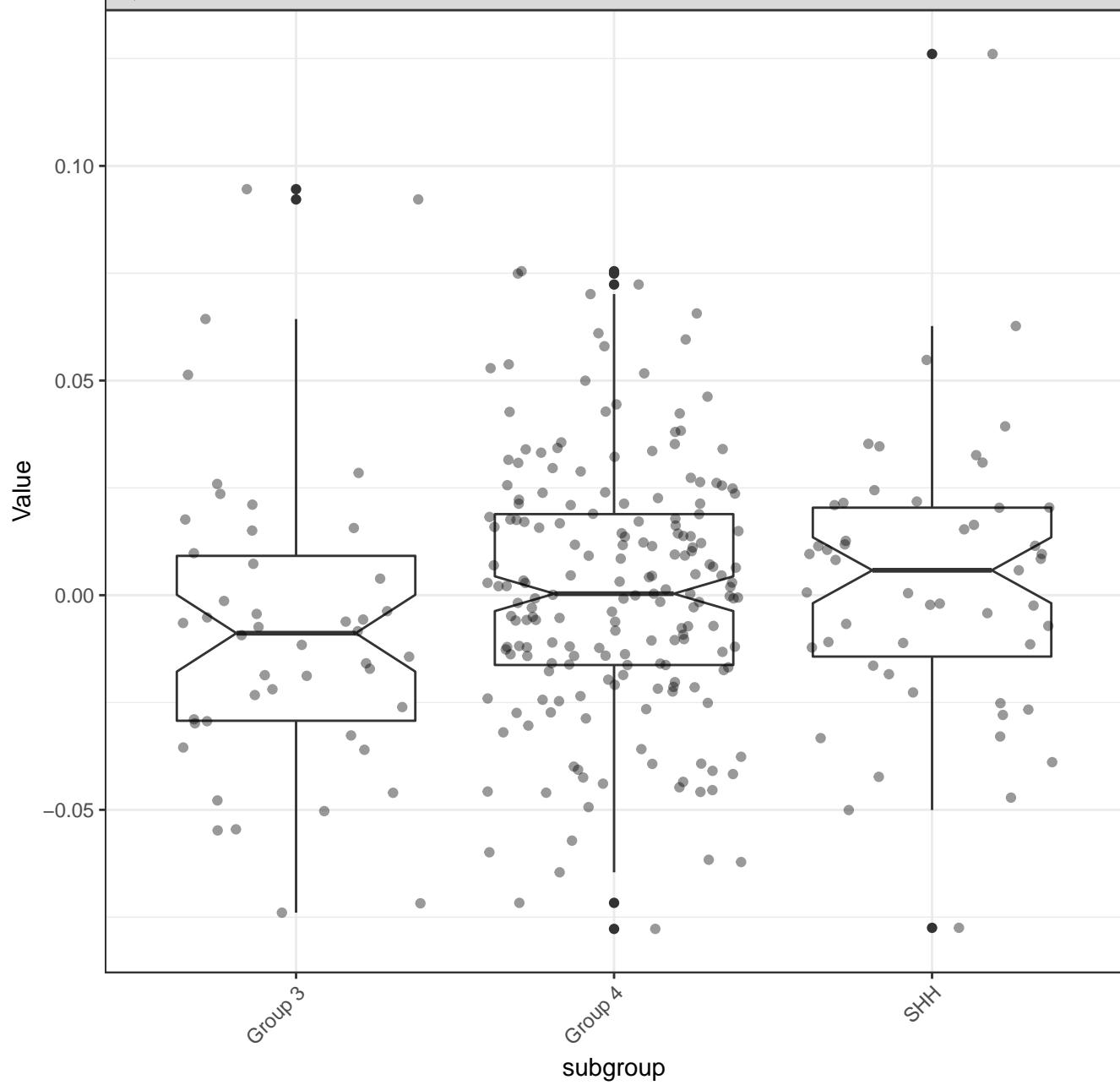
LV 122



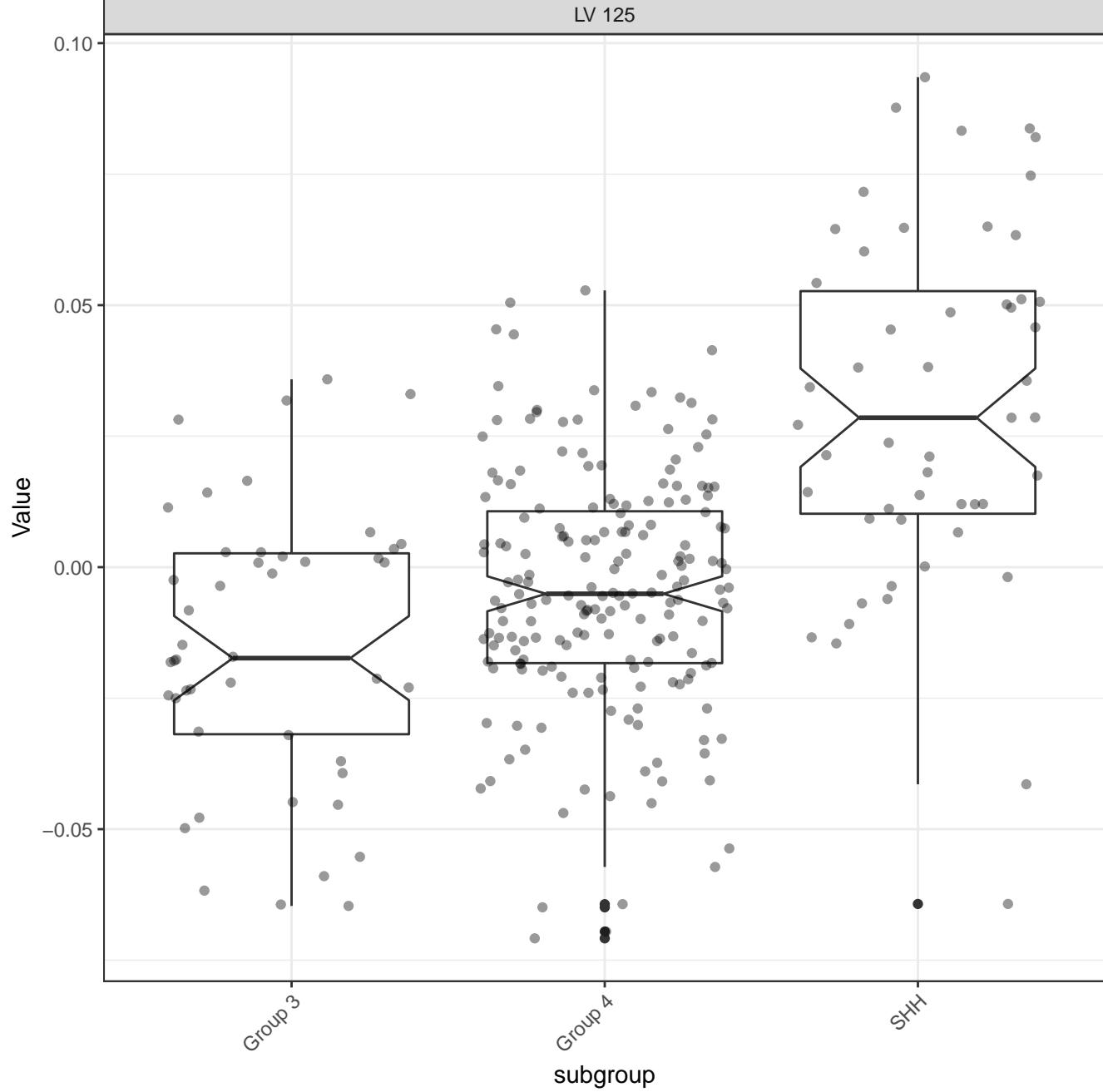
123,SVM Dendritic cells activated



24,REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIATED_BY_TLR4_SIGNALING_REPERTOIRE



LV 125



Value

0.05

0.00

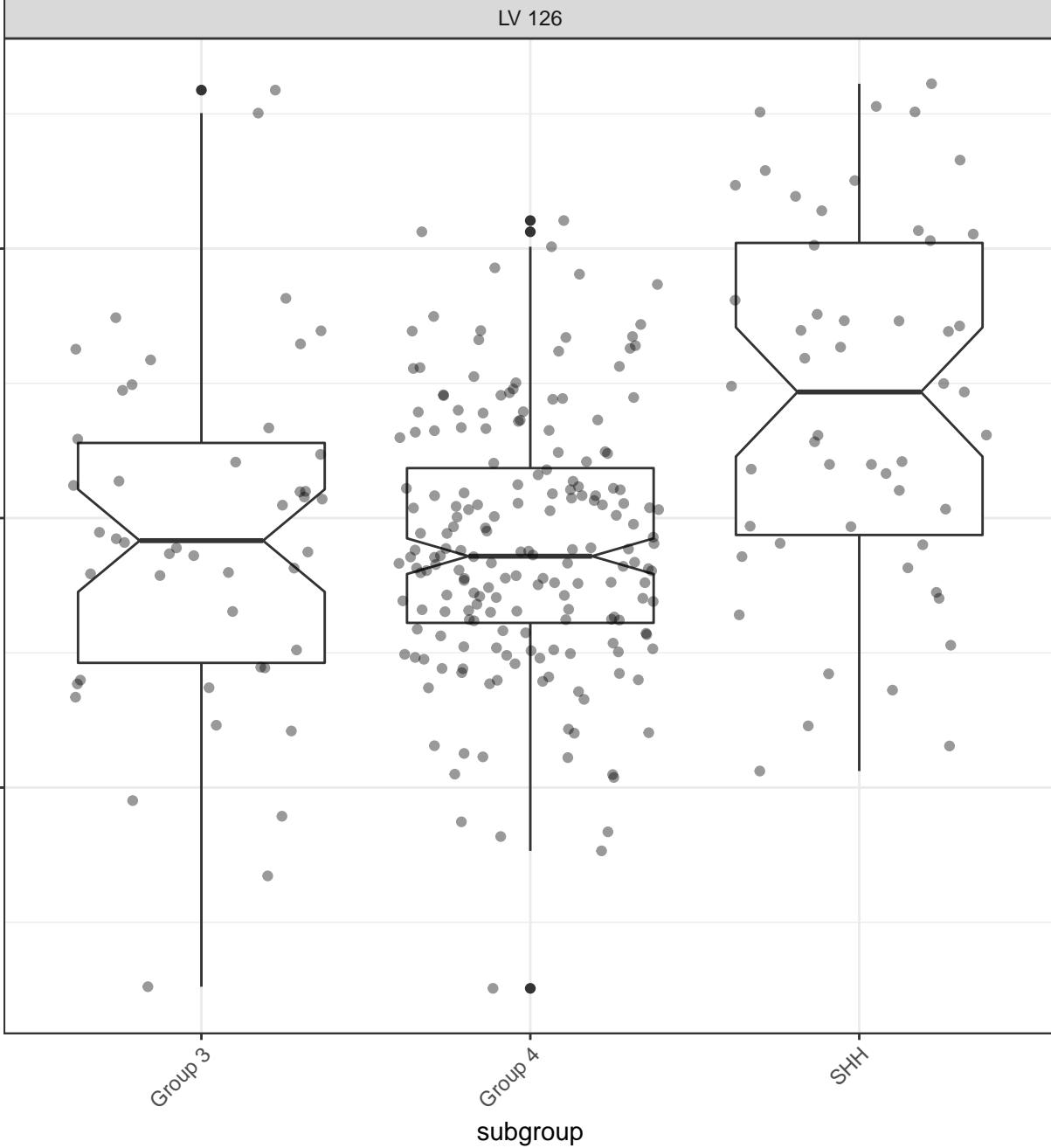
-0.05

Group 3

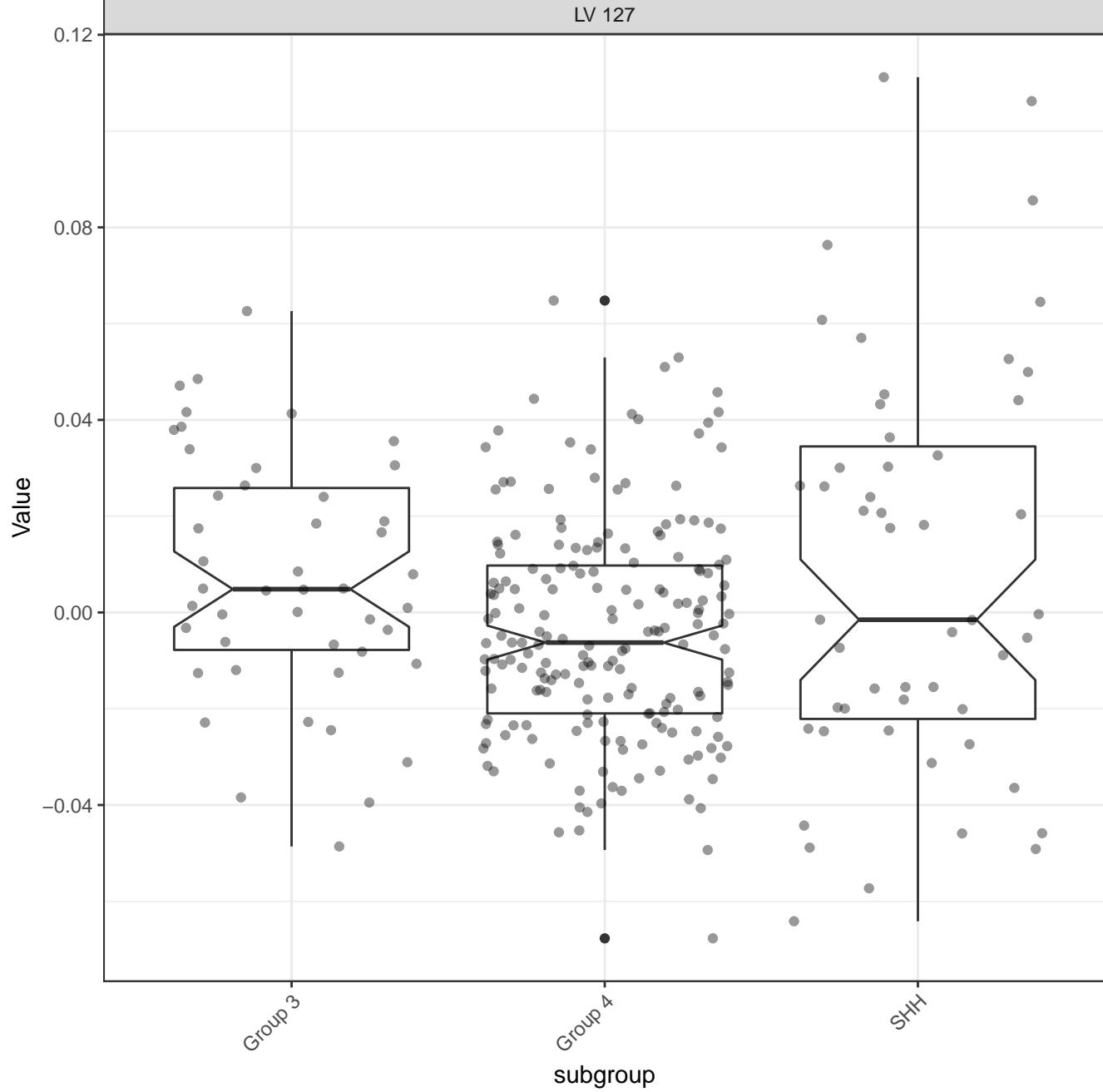
Group 4

SHH

subgroup



LV 127



LV 128

Value

0.15

0.10

0.05

0.00

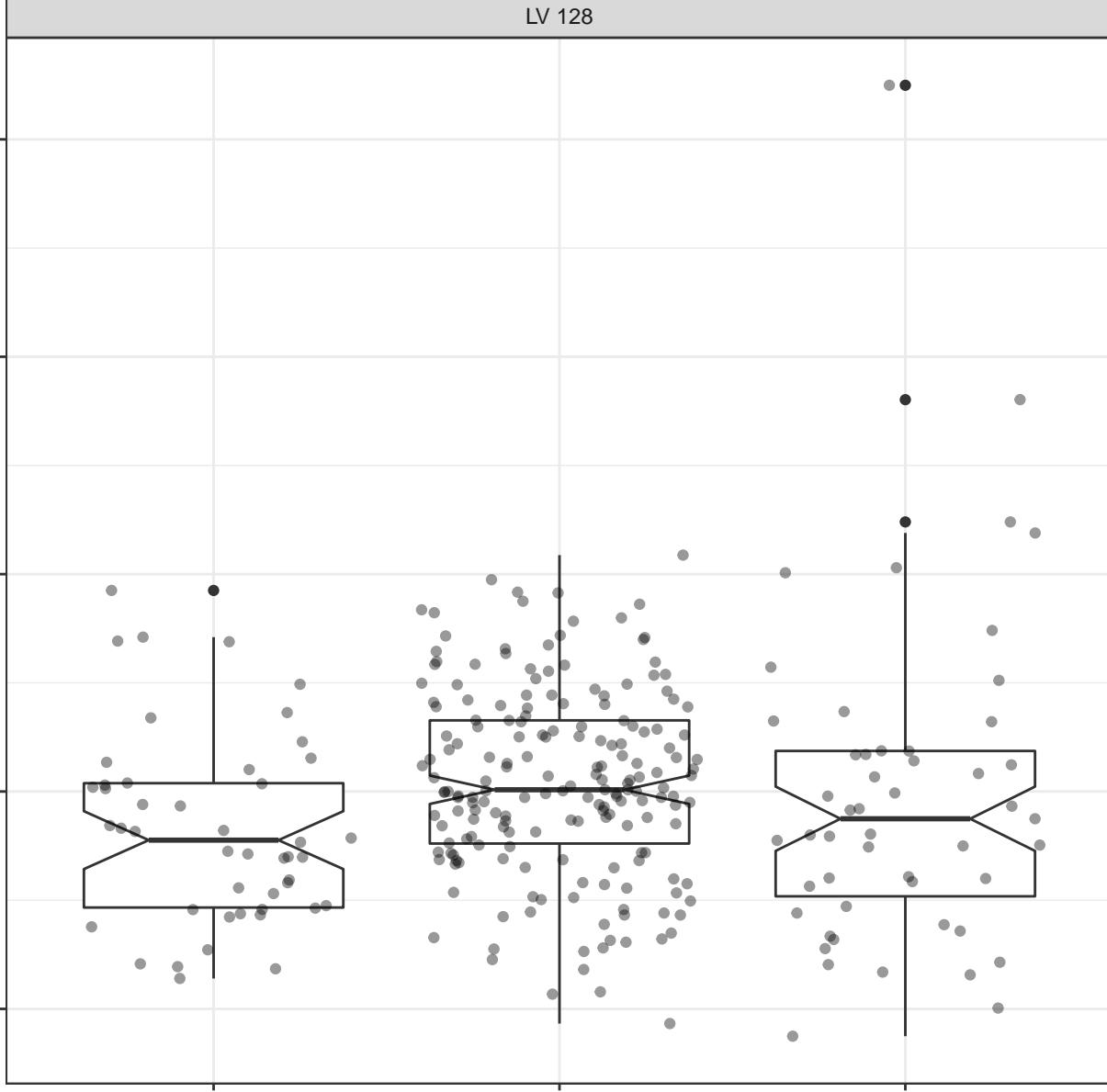
-0.05

Group 3

Group 4

SHH

subgroup



LV 129

Value

0.10

0.05

0.00

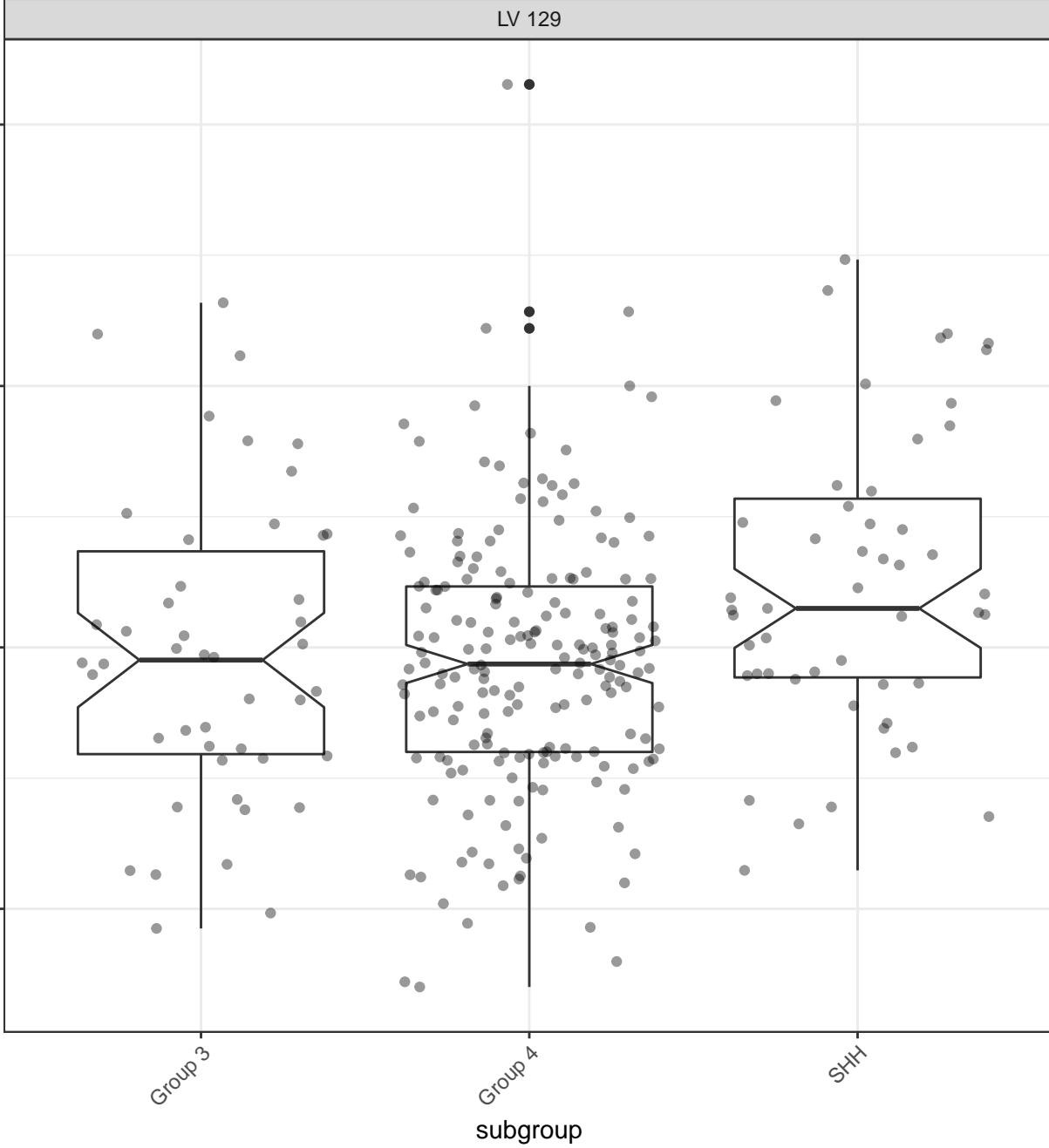
-0.05

Group 3

Group 4

SHH

subgroup



LV 130

Value

0.08

0.04

0.00

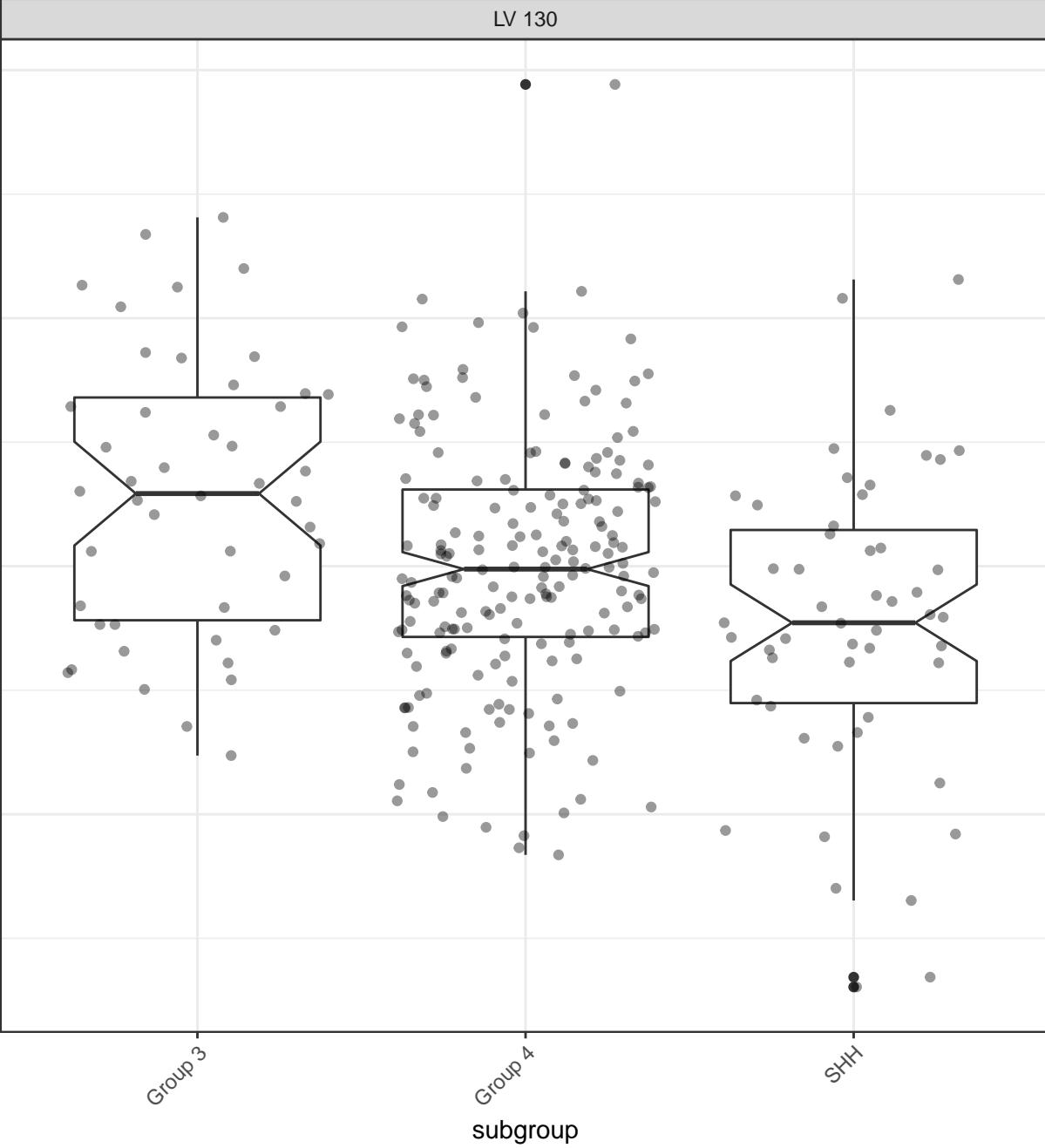
-0.04

Group 3

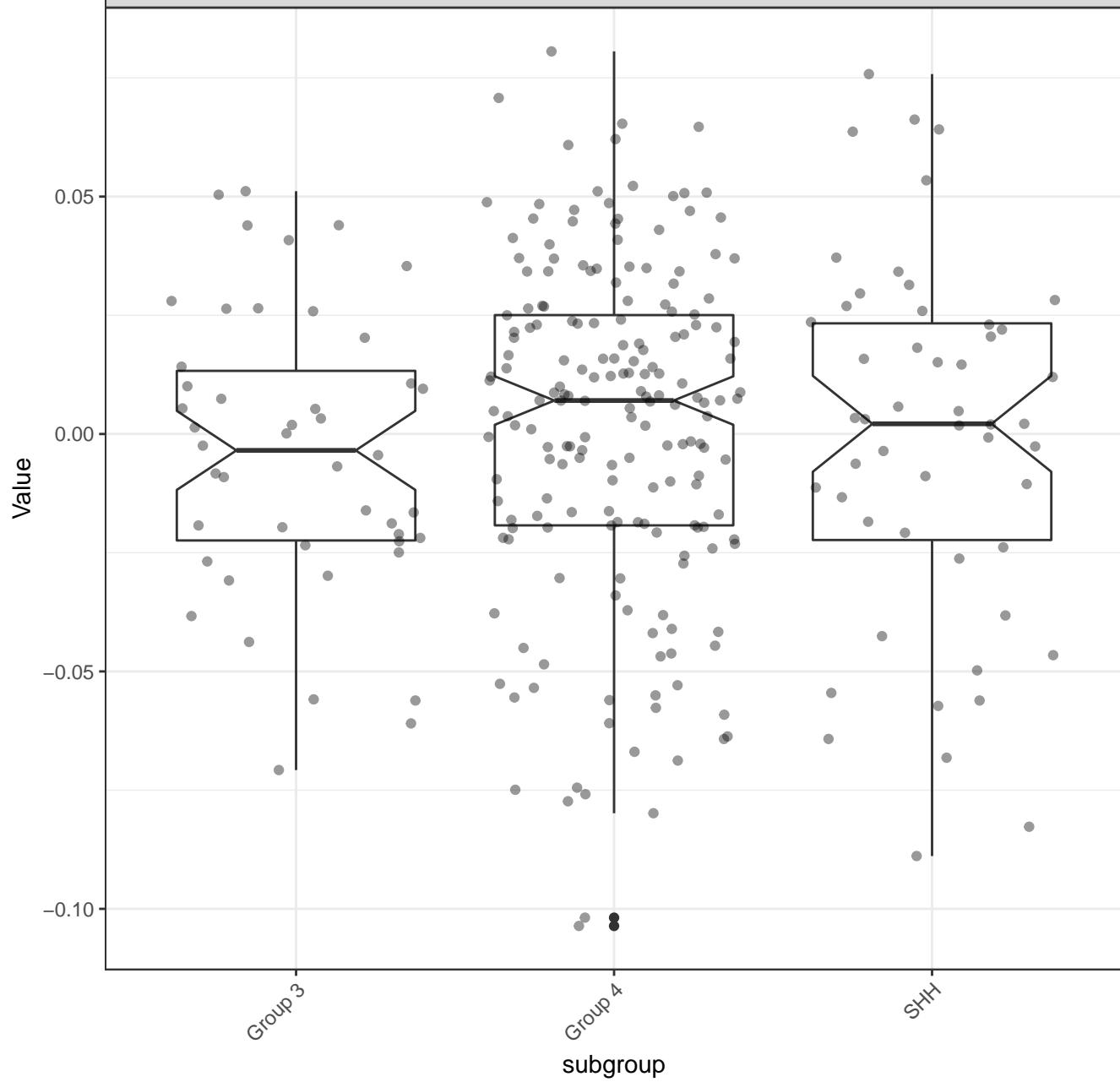
Group 4

SHH

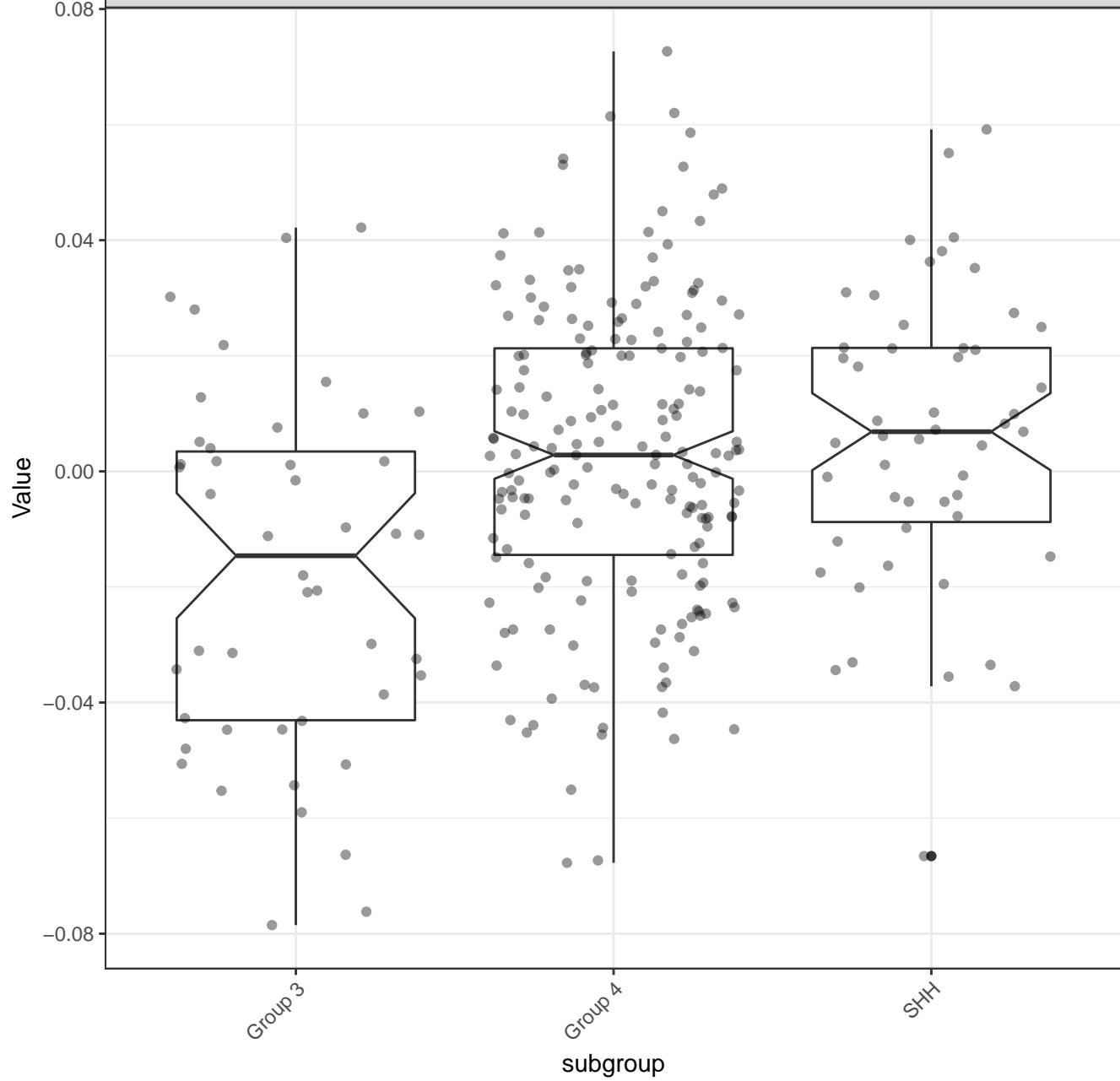
subgroup



LV 131



LV 132



LV 133

Value

0.3

0.2

0.1

0.0

-0.1

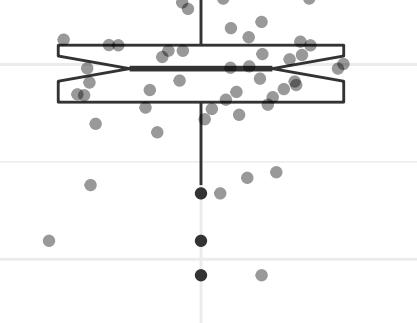
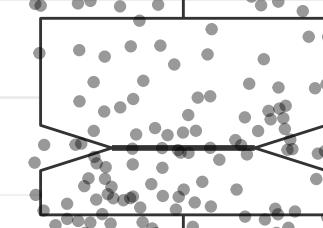
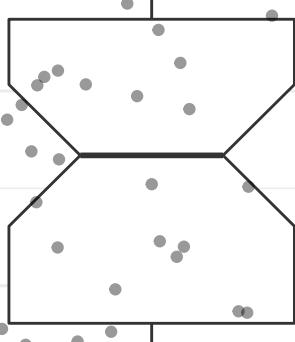
-0.2

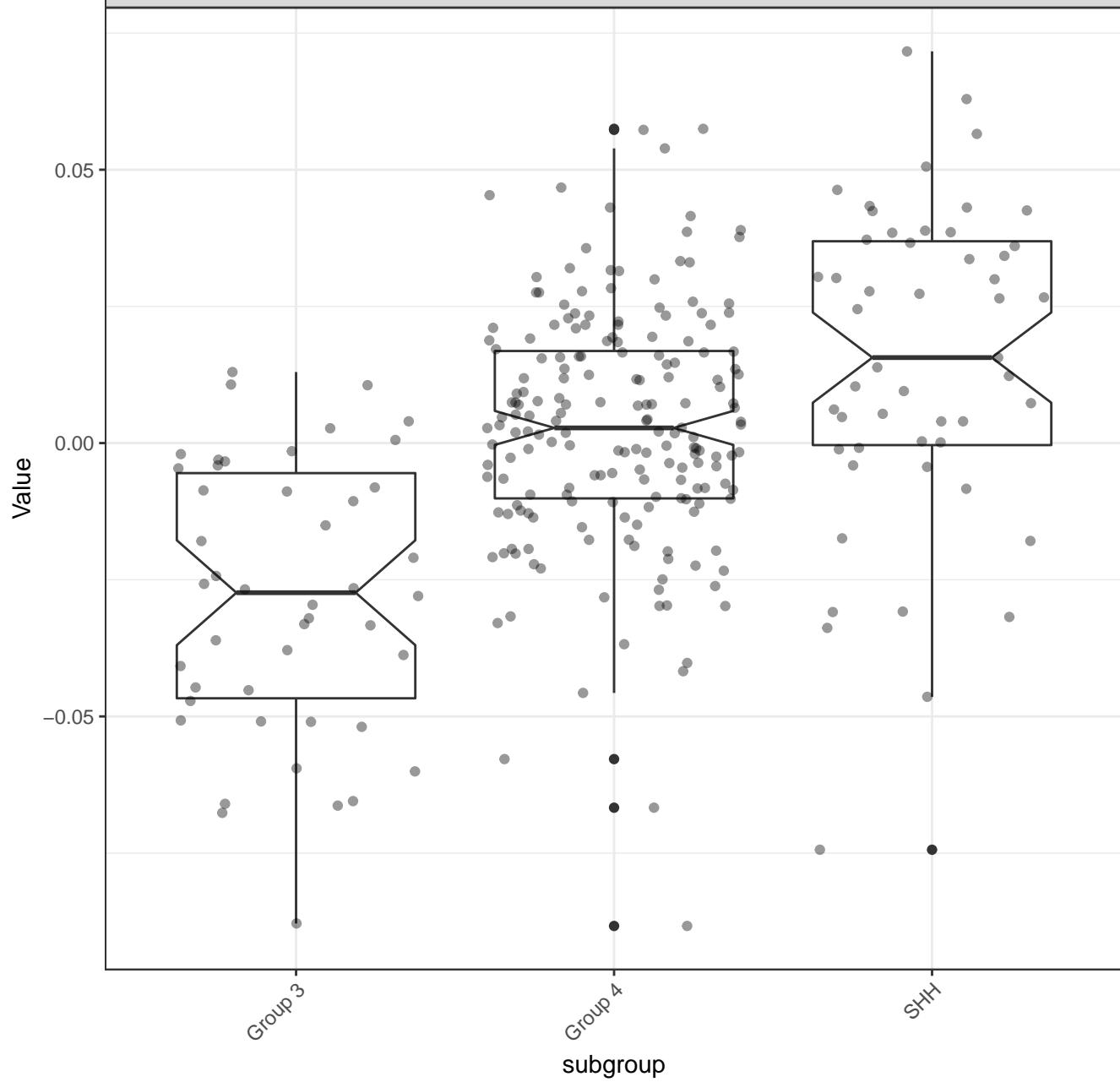
Group 3

Group 4

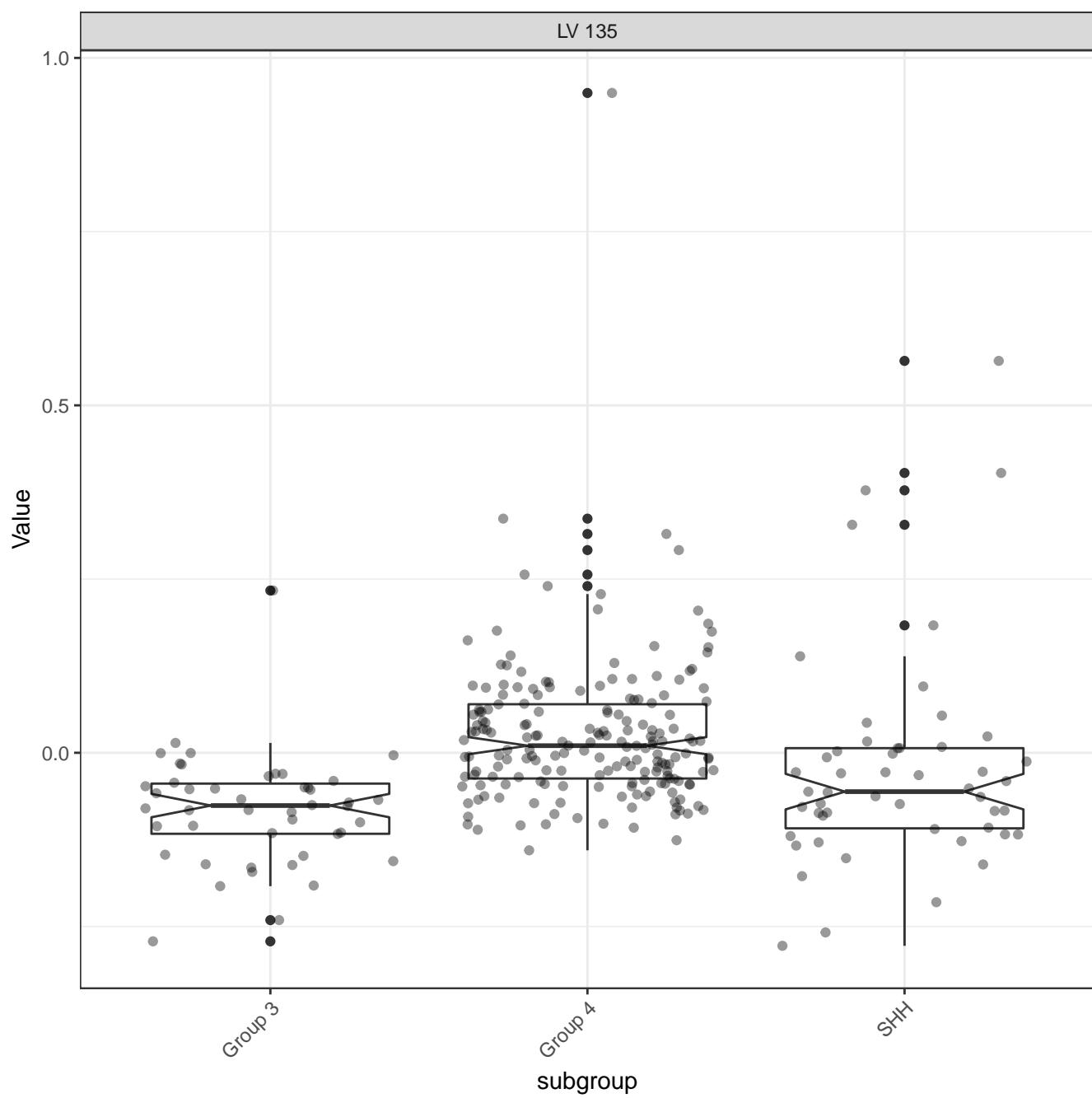
SHH

subgroup





LV 135



136,PID_INTEGRIN1_PATHWAY

Value

0.3

0.2

0.1

0.0

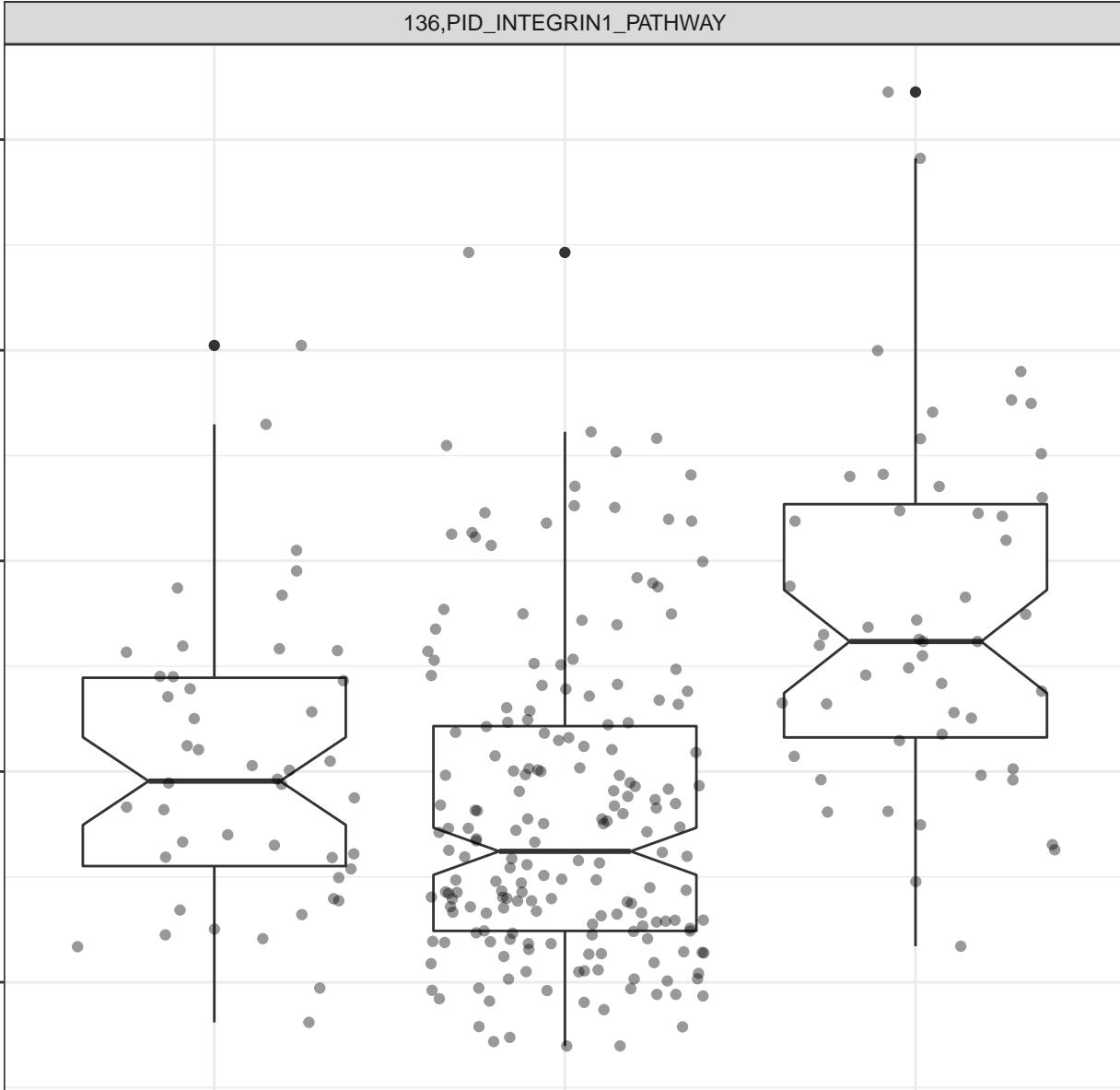
-0.1

Group 3

subgroup

Group 4

SHH



LV 137

Value

0.10

0.05

0.00

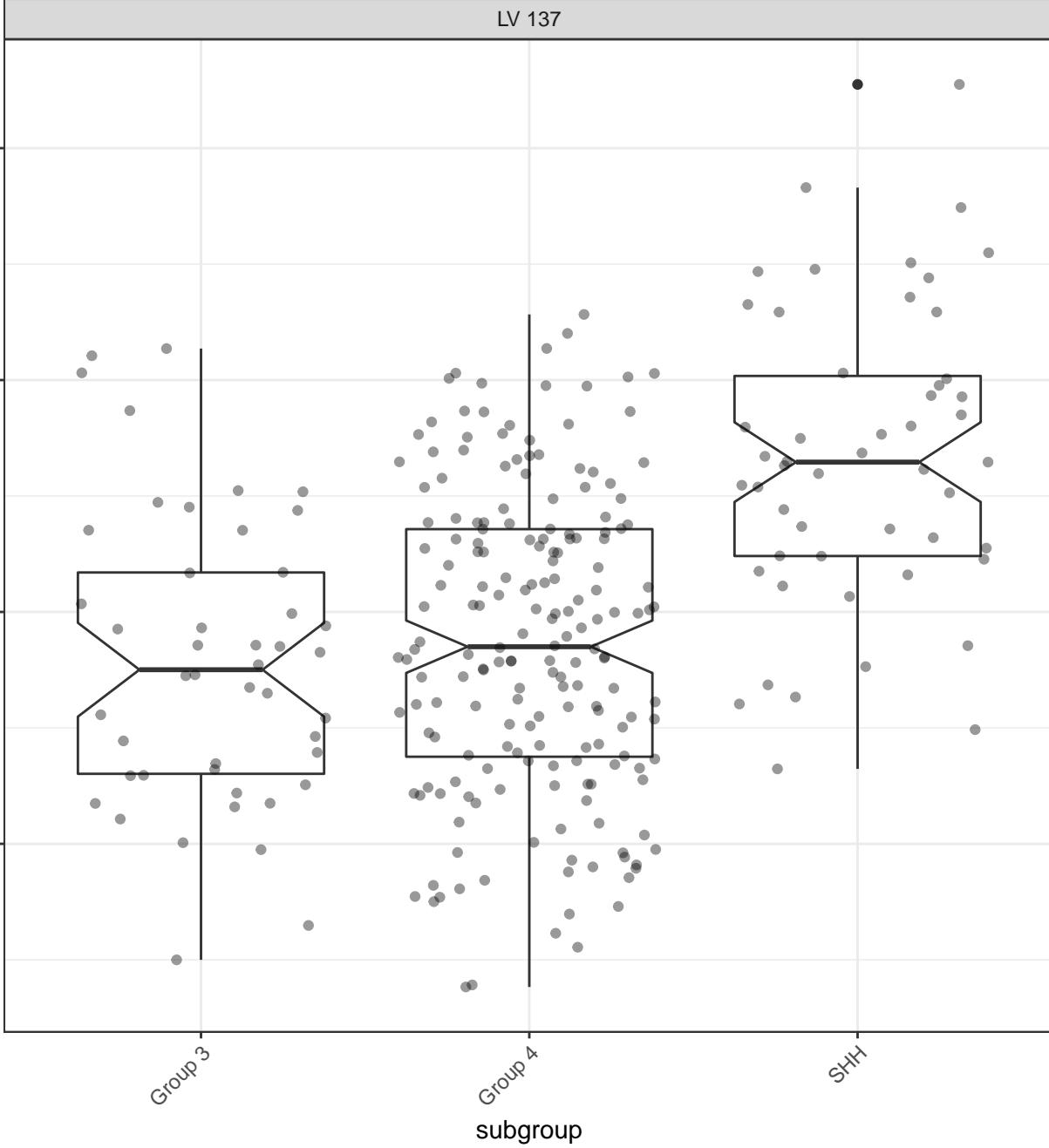
-0.05

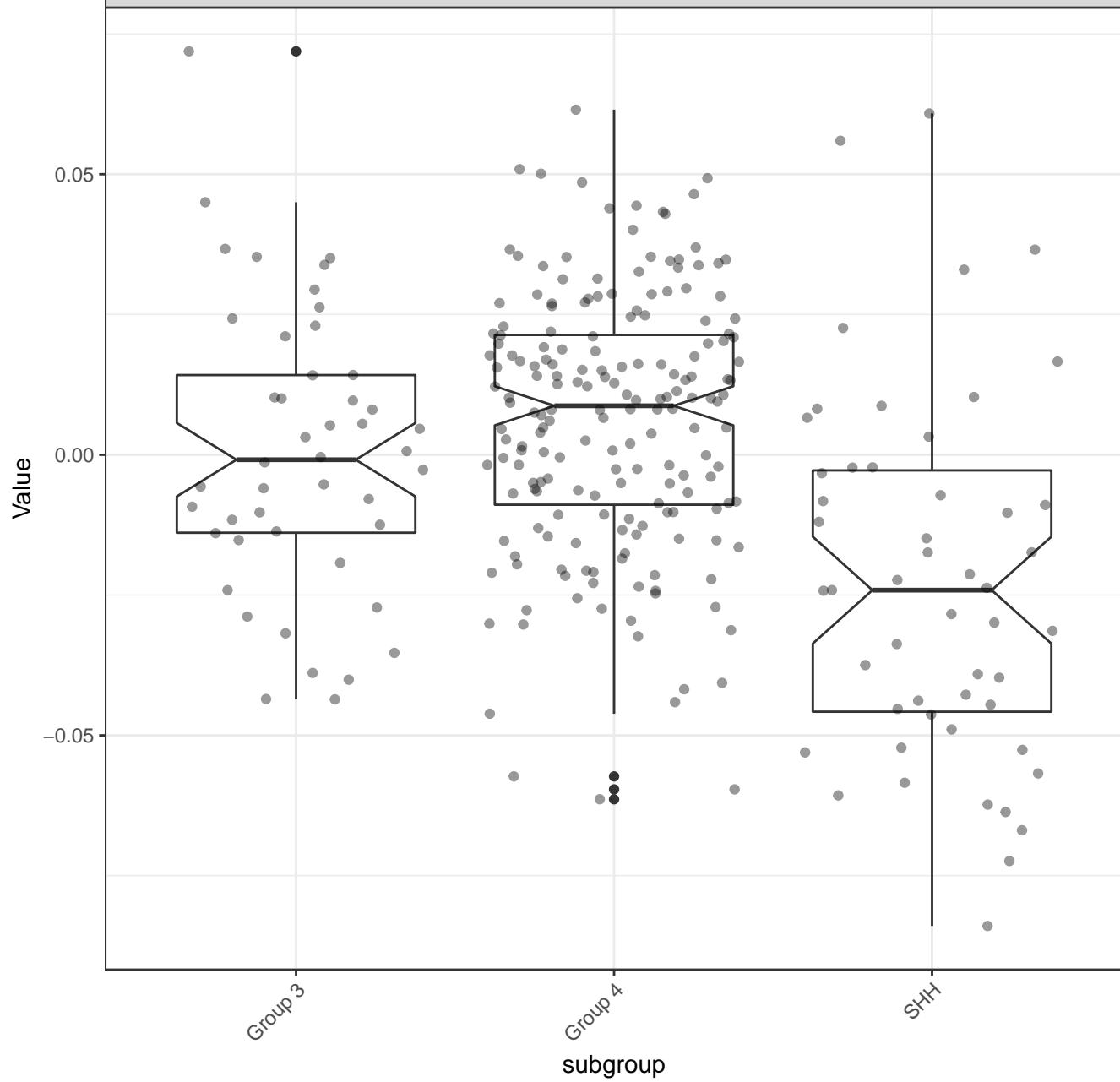
Group 3

Group 4

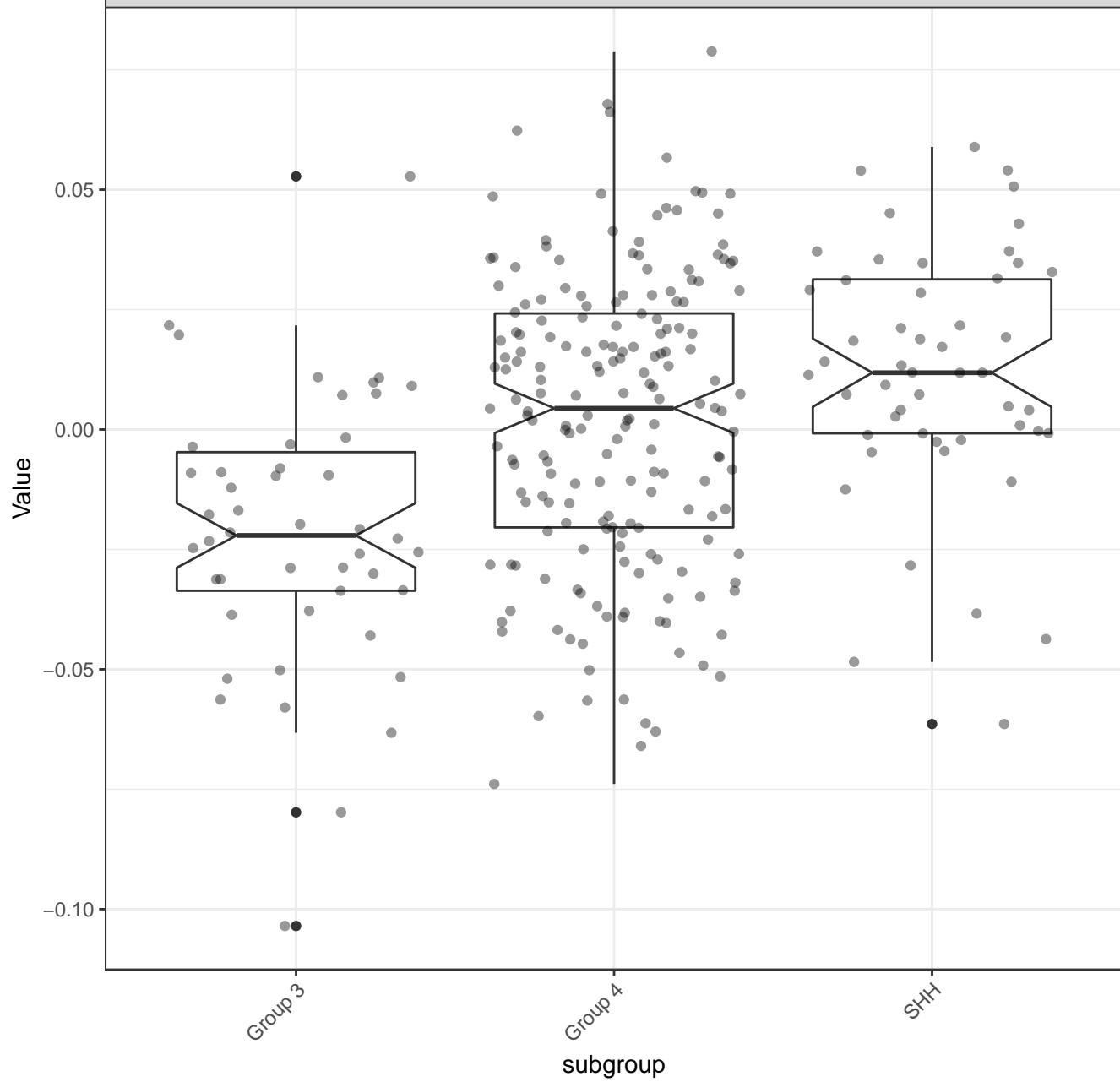
SHH

subgroup





LV 139



140,REACTOME_INTERFERON_GAMMA_SIGNALING

Value

0.1

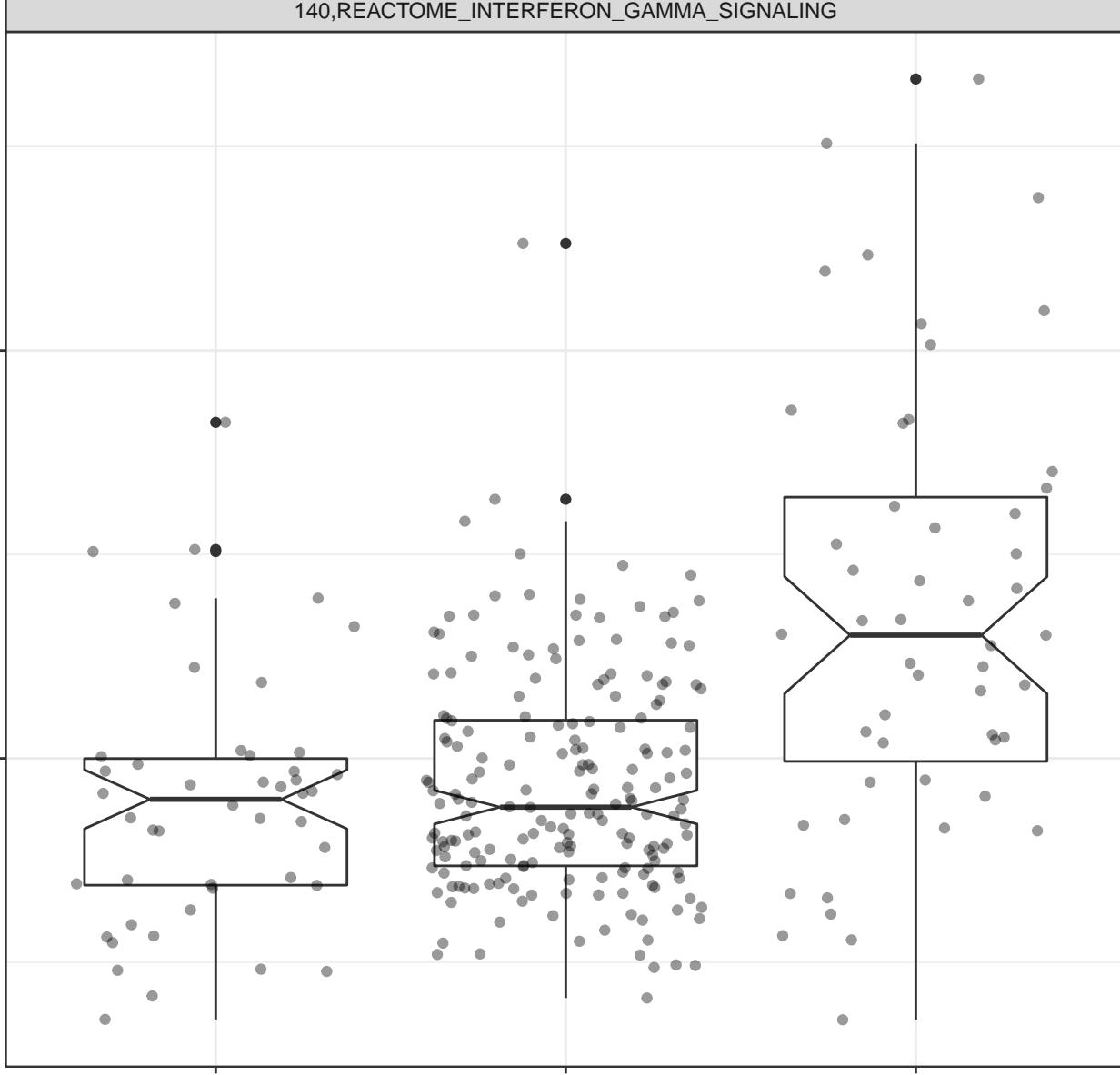
0.0

Group 3

Group 4

SHH

subgroup



LV 141

Value

0.05

0.00

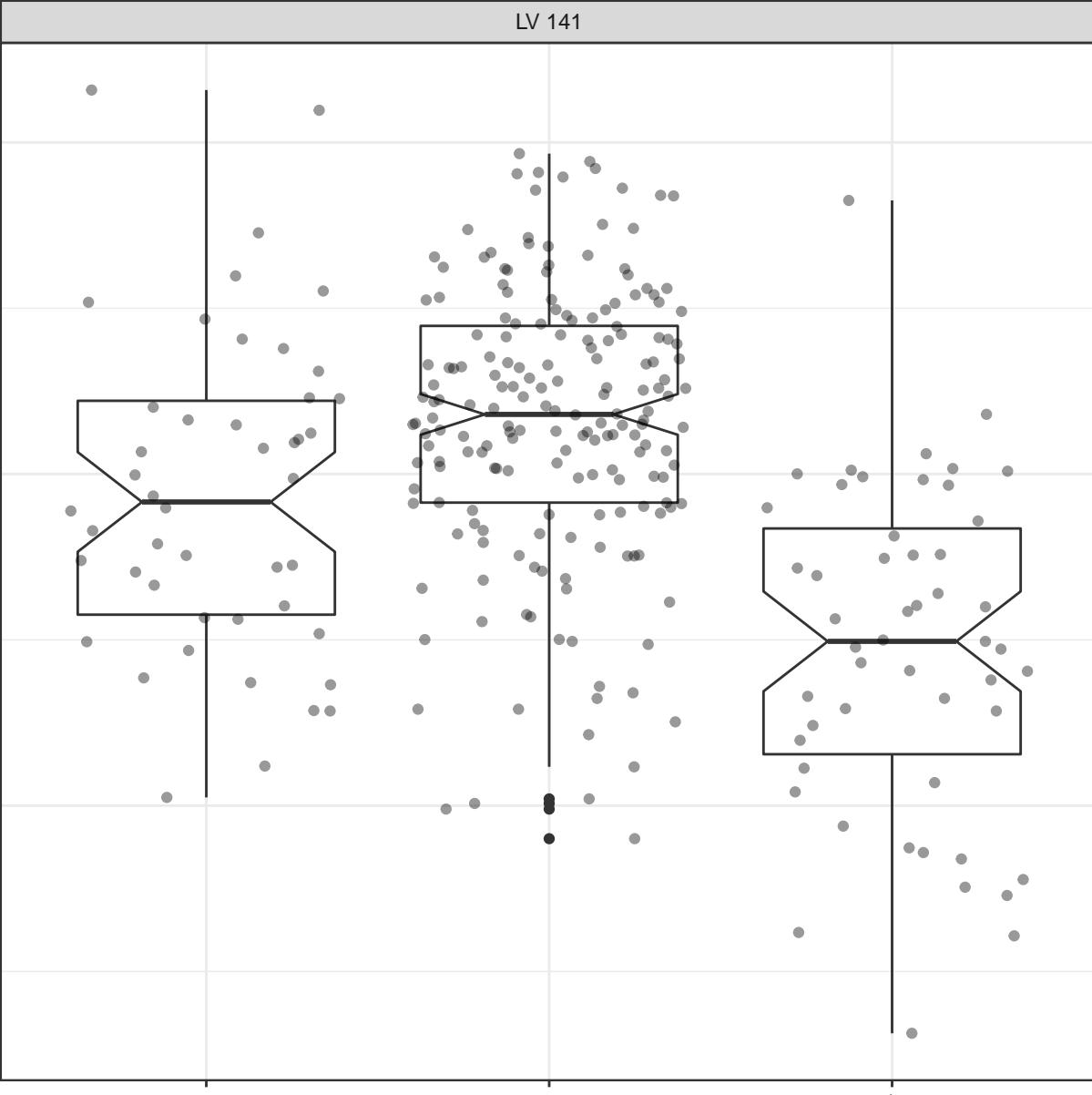
-0.05

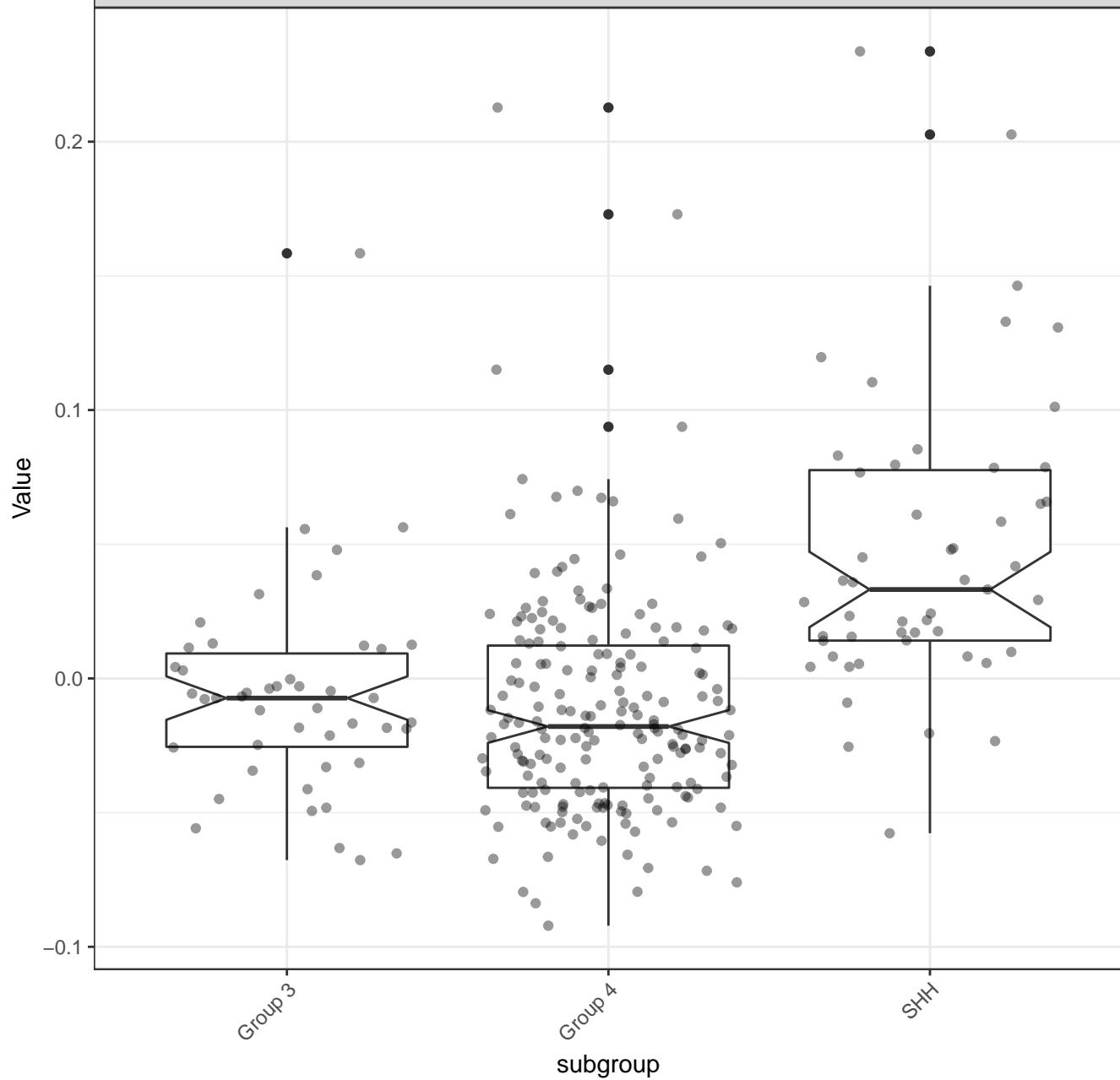
Group 3

subgroup

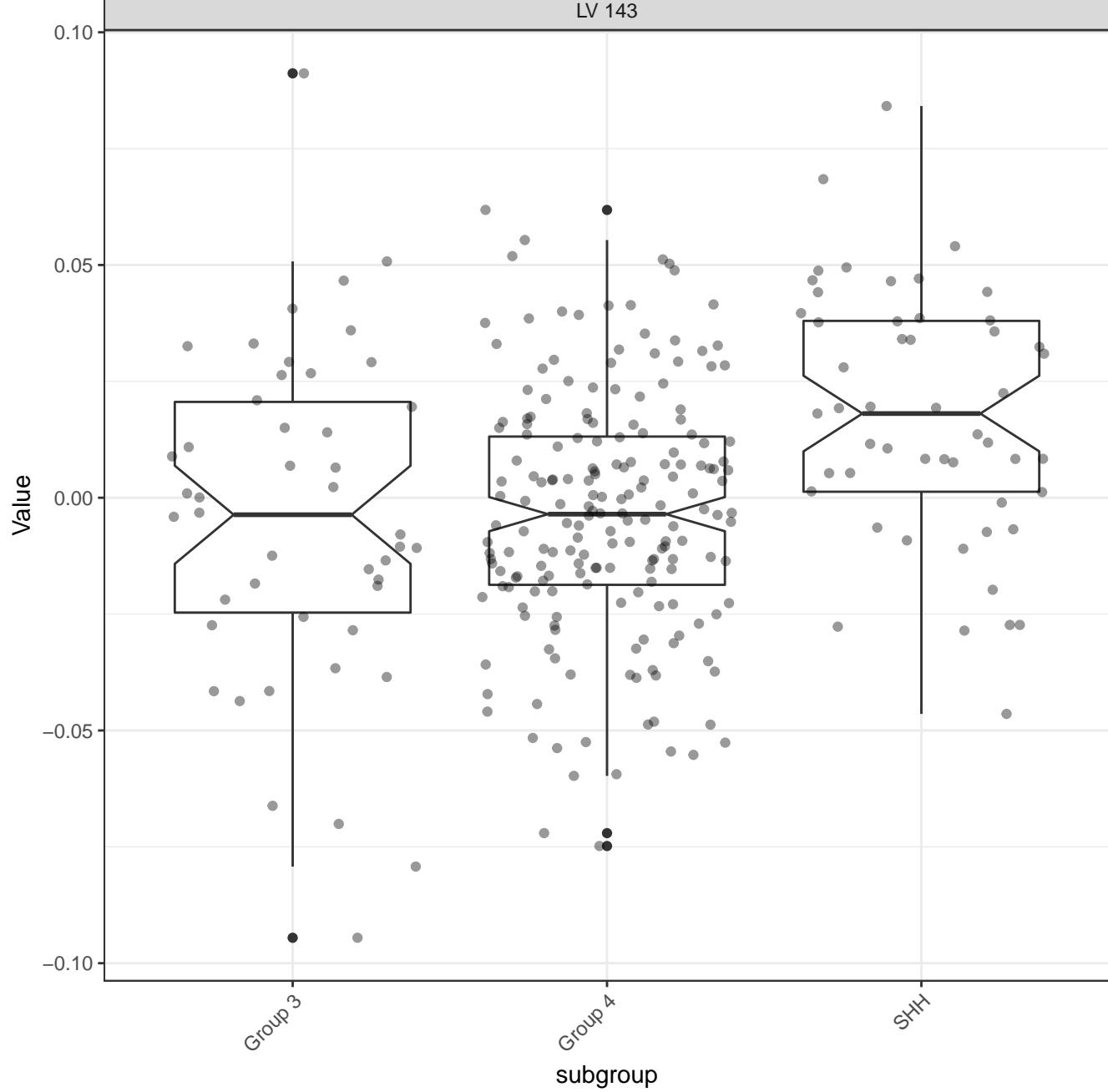
Group 4

SHH

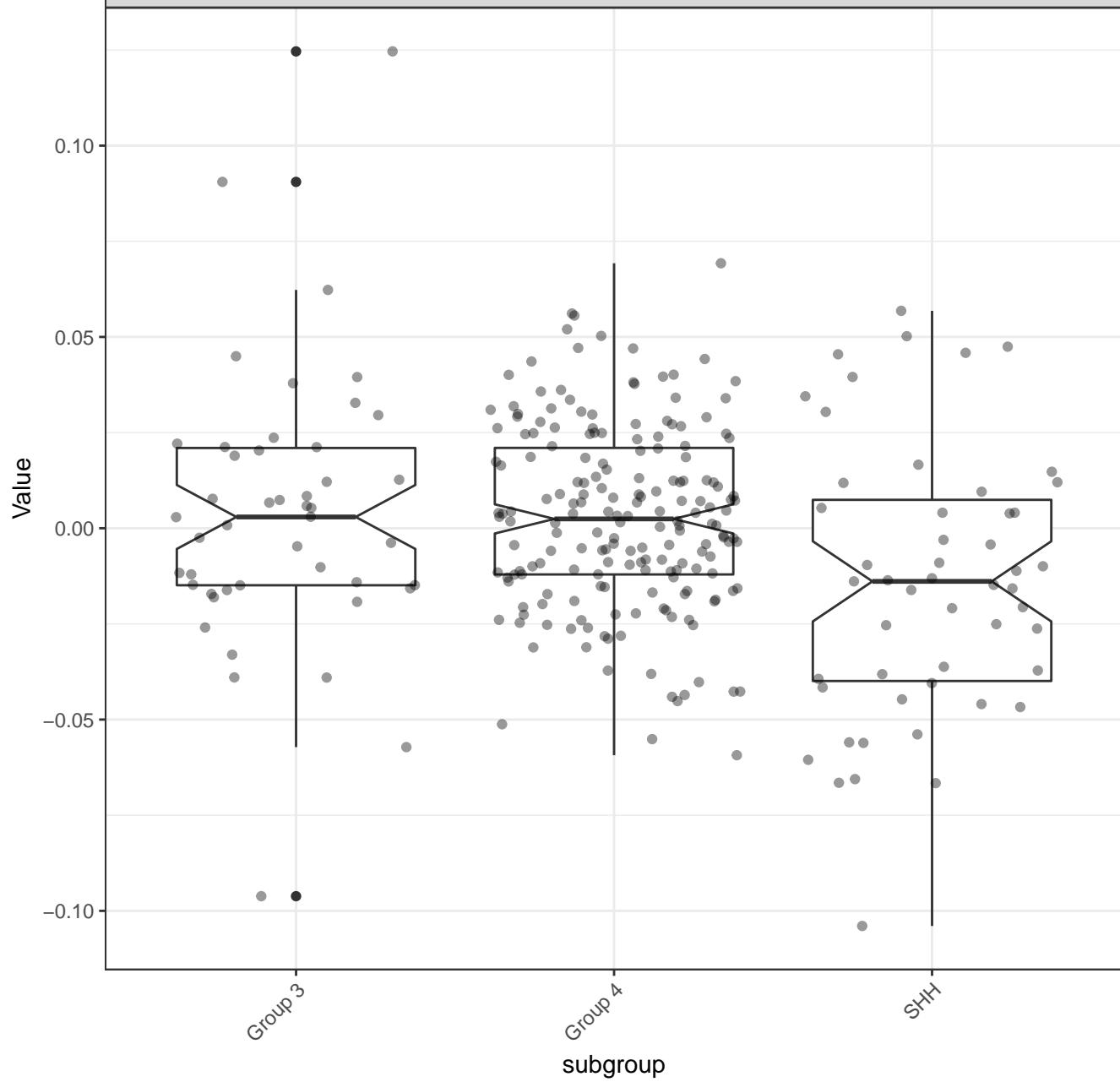


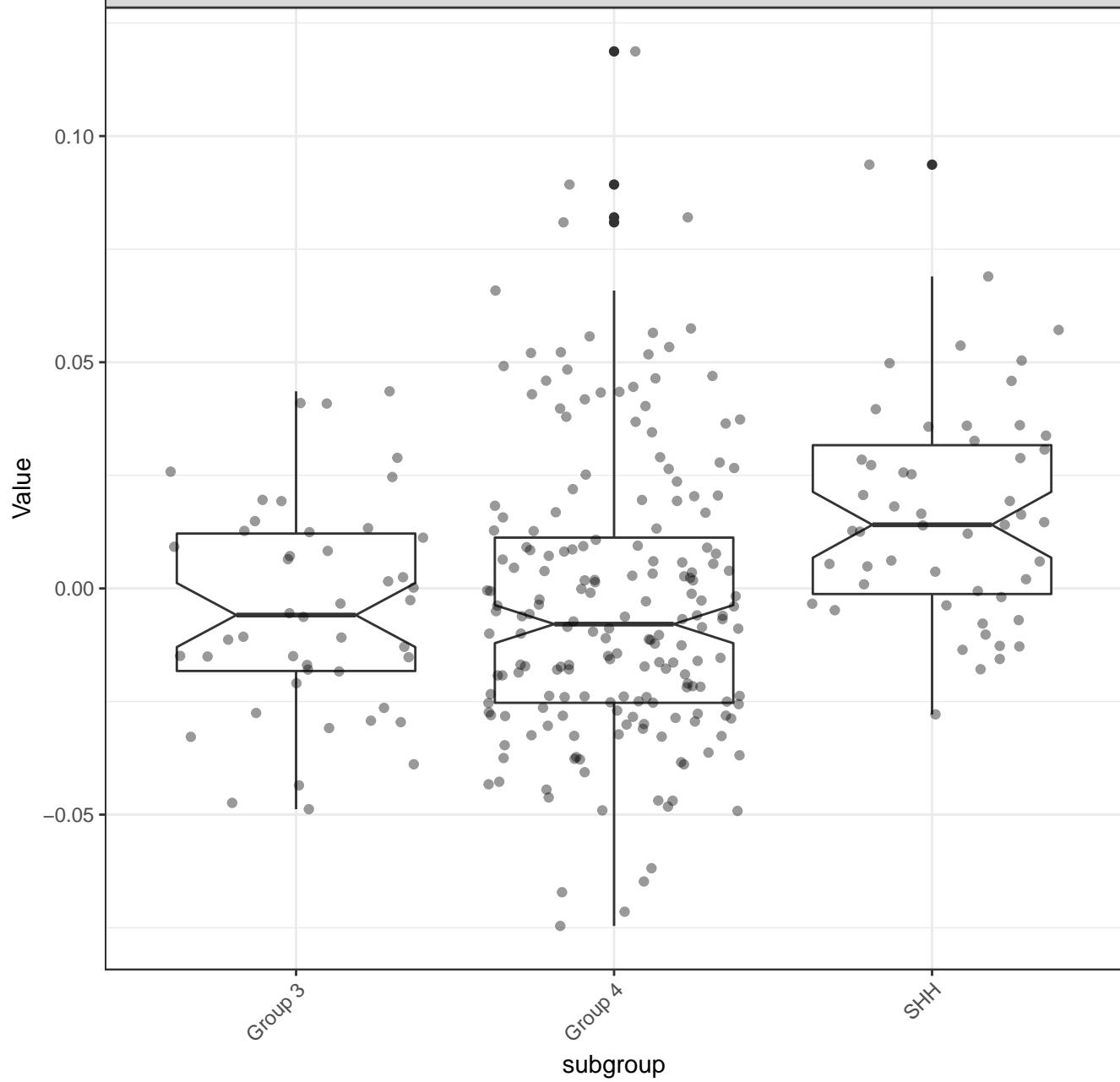


LV 143



LV 144





LV 146

Value

0.10

0.05

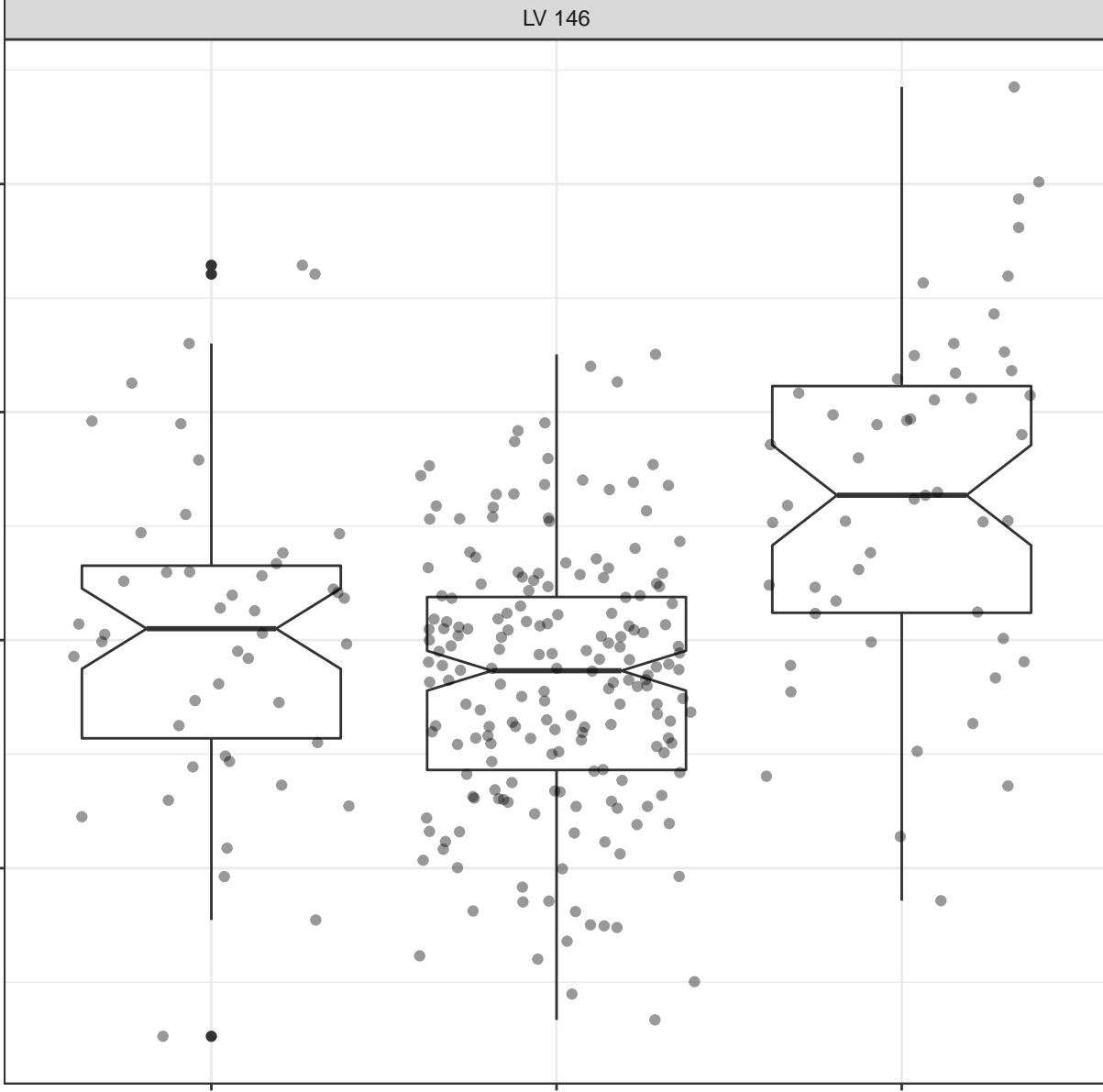
0.00

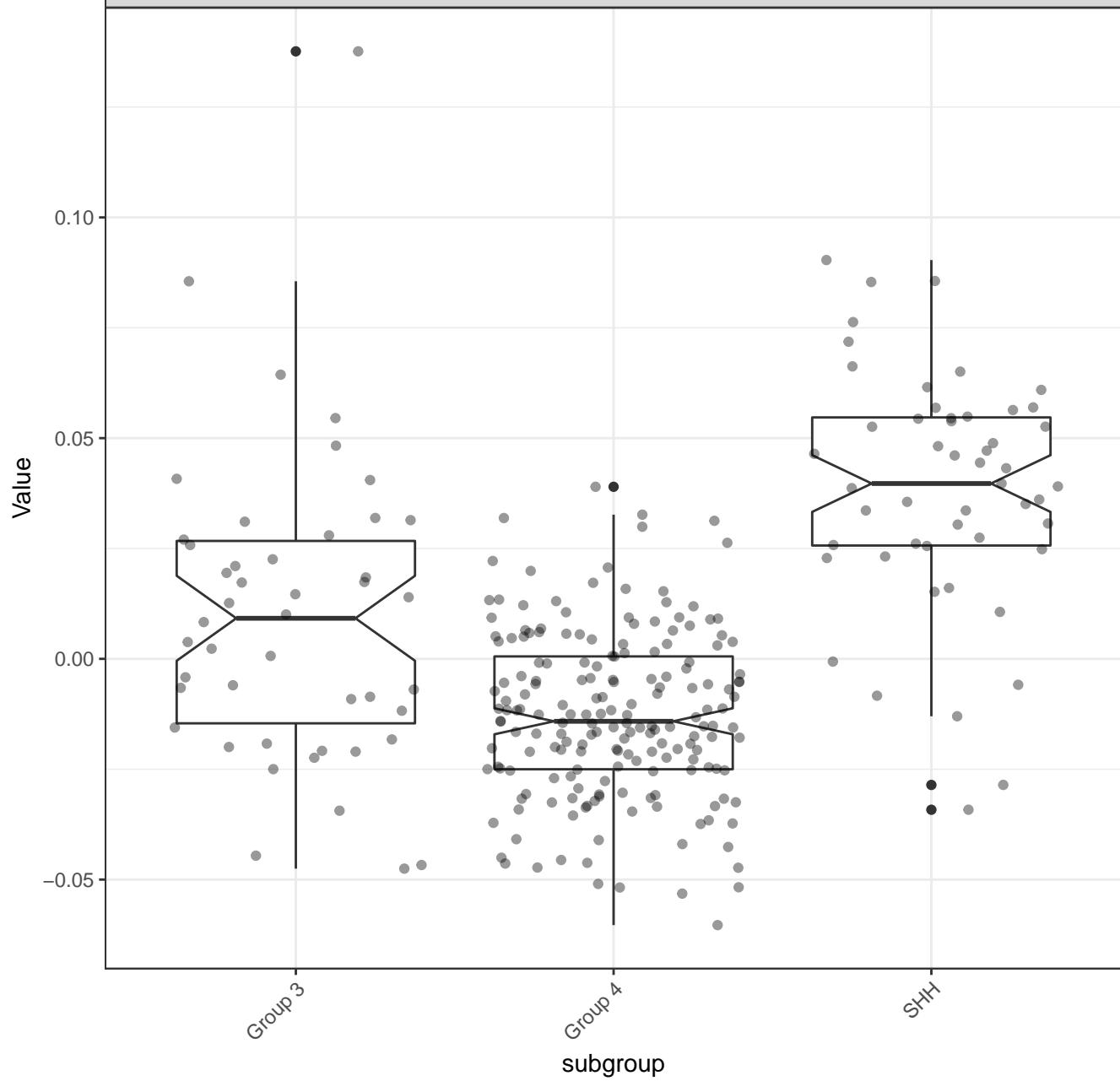
-0.05

Group 3

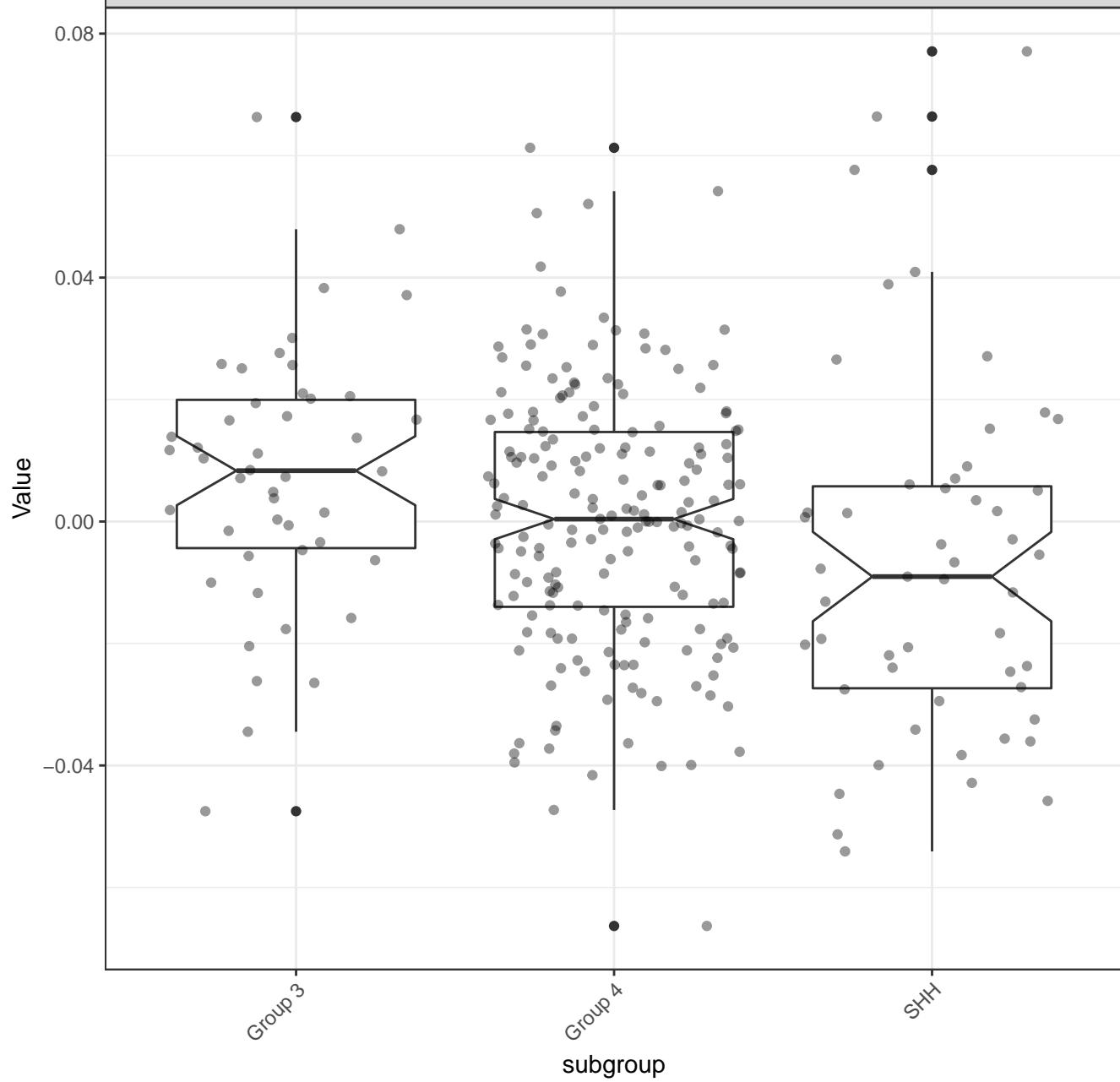
subgroup

SHH

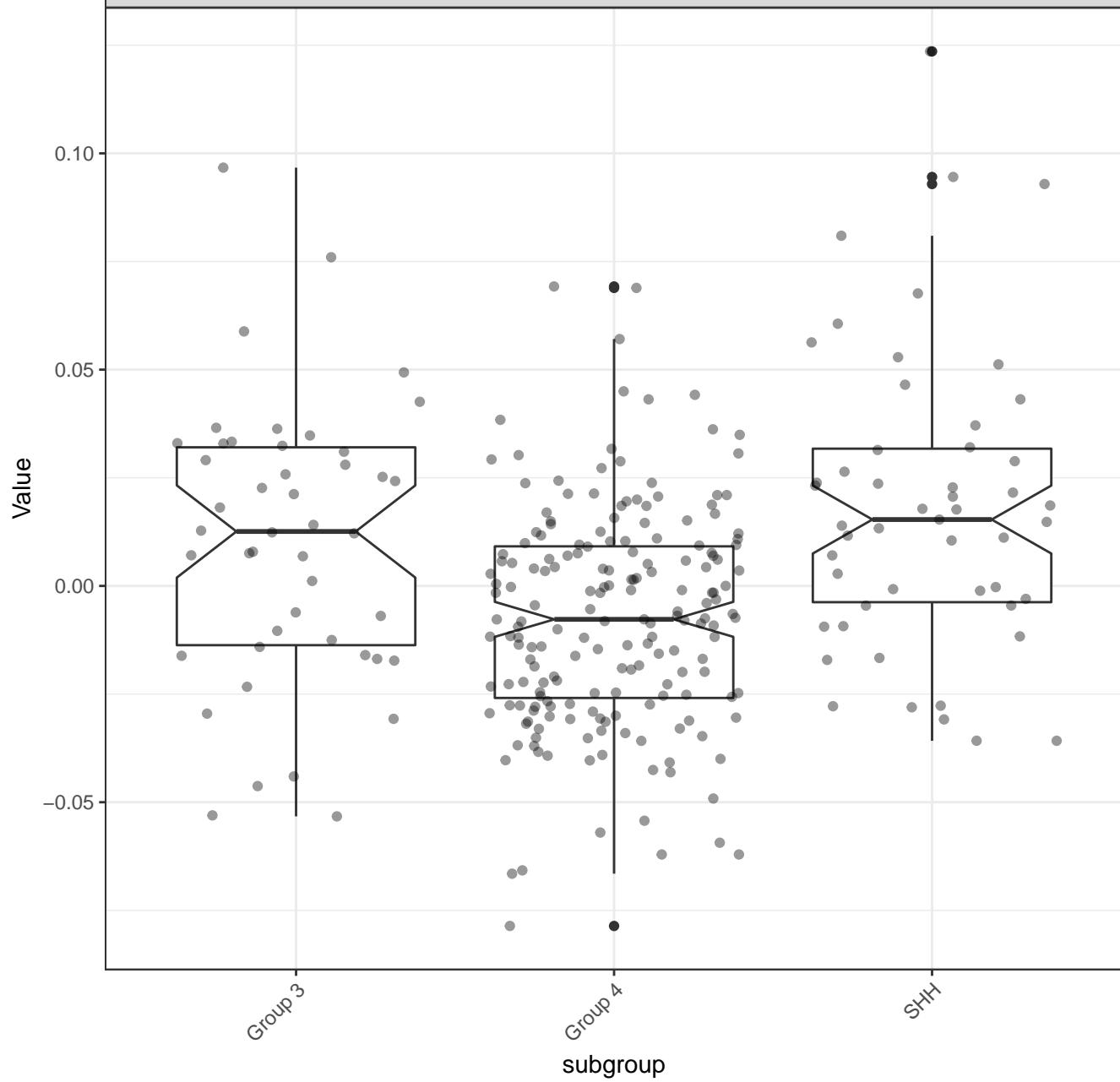




LV 148



LV 149



LV 150

Value

0.05

0.00

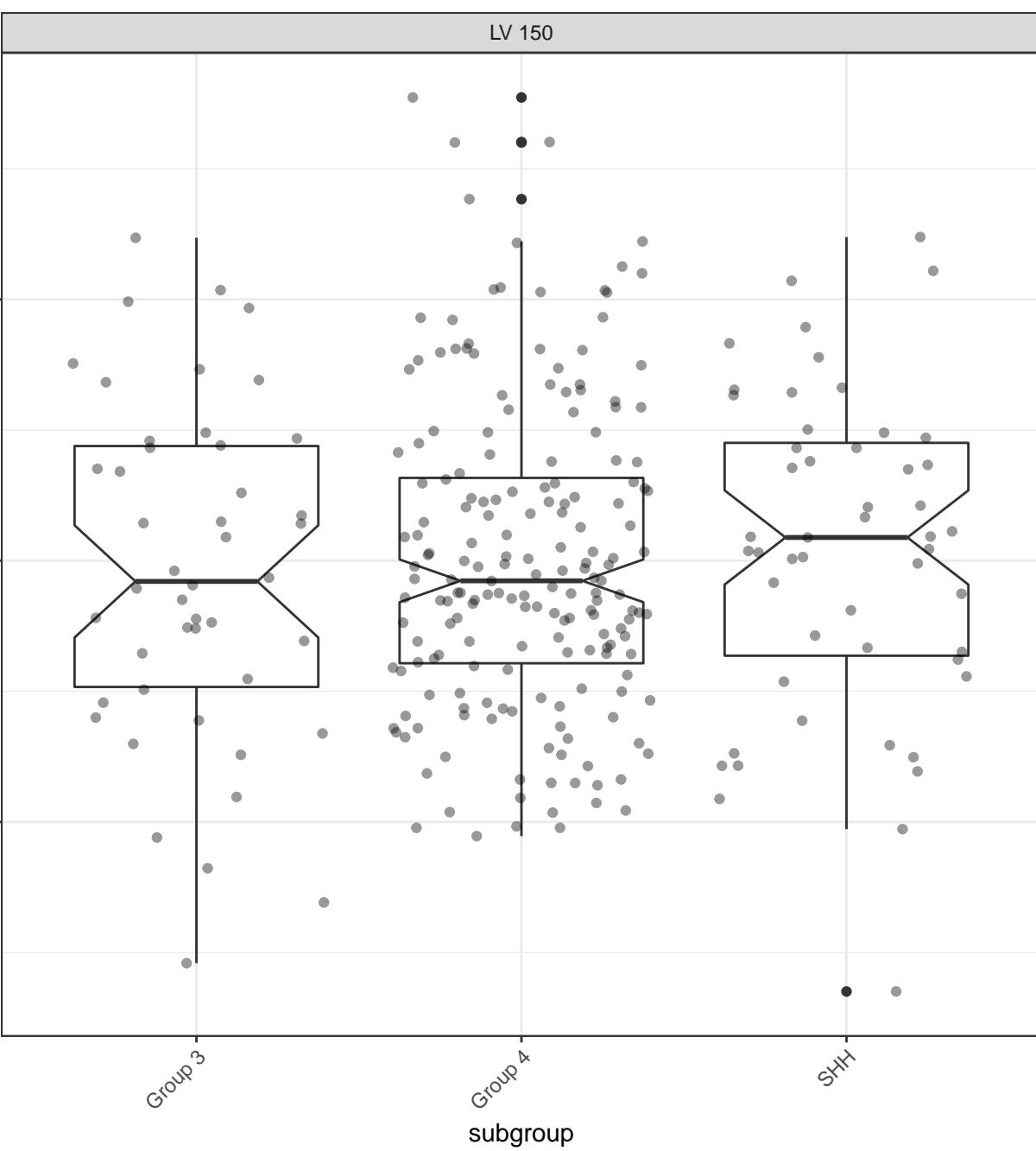
-0.05

Group 3

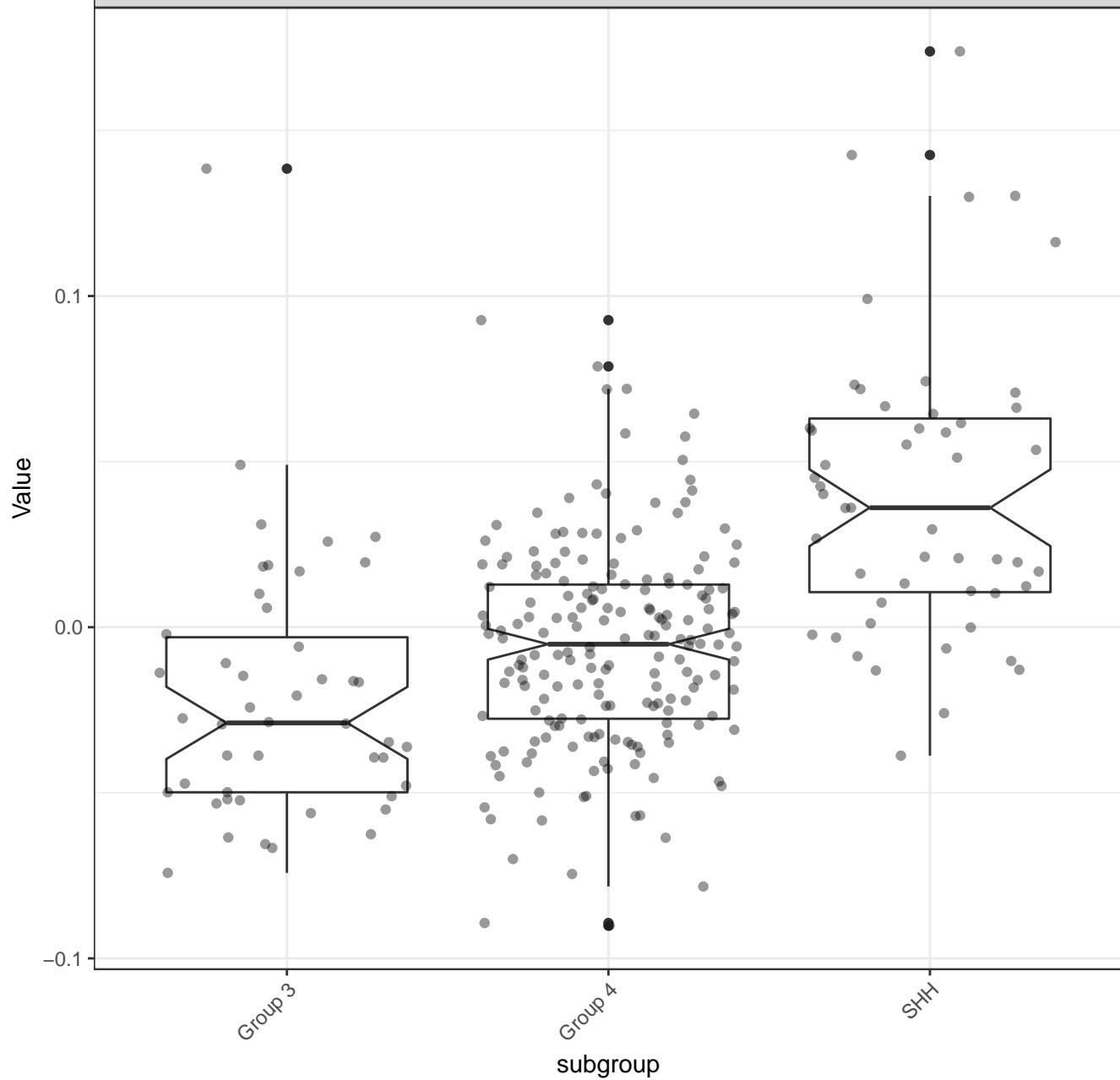
Group 4

SHH

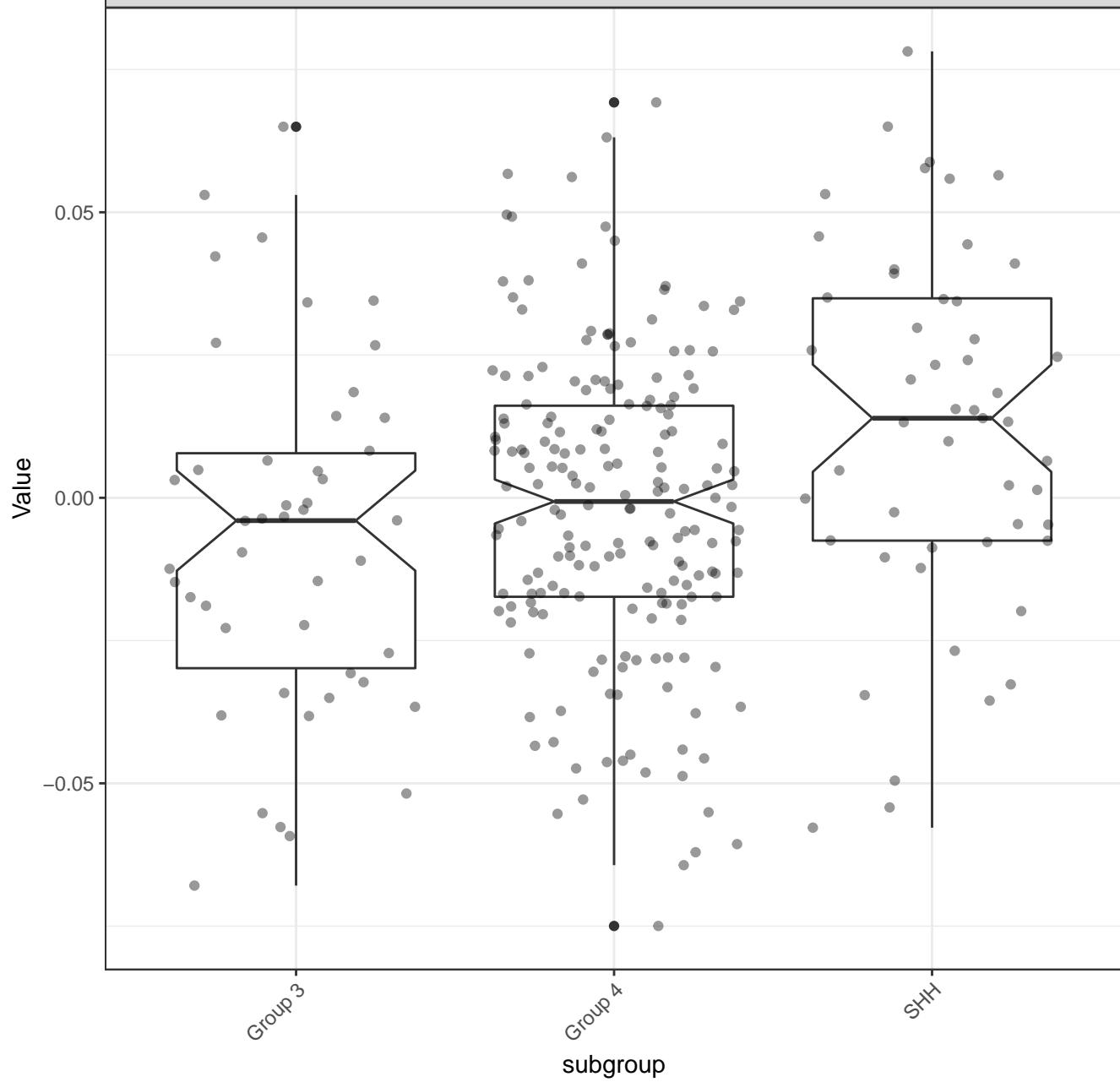
subgroup



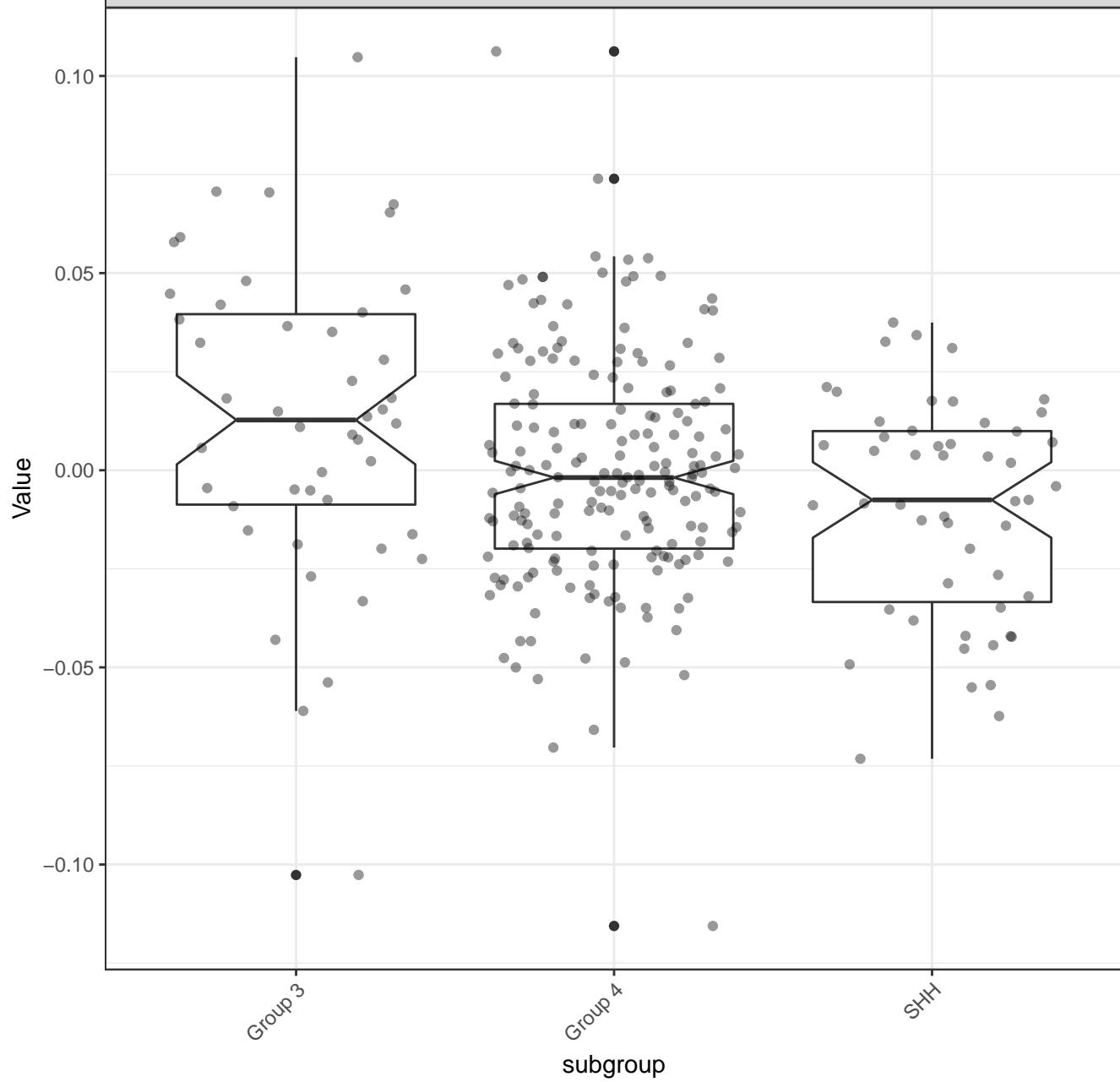
LV 151



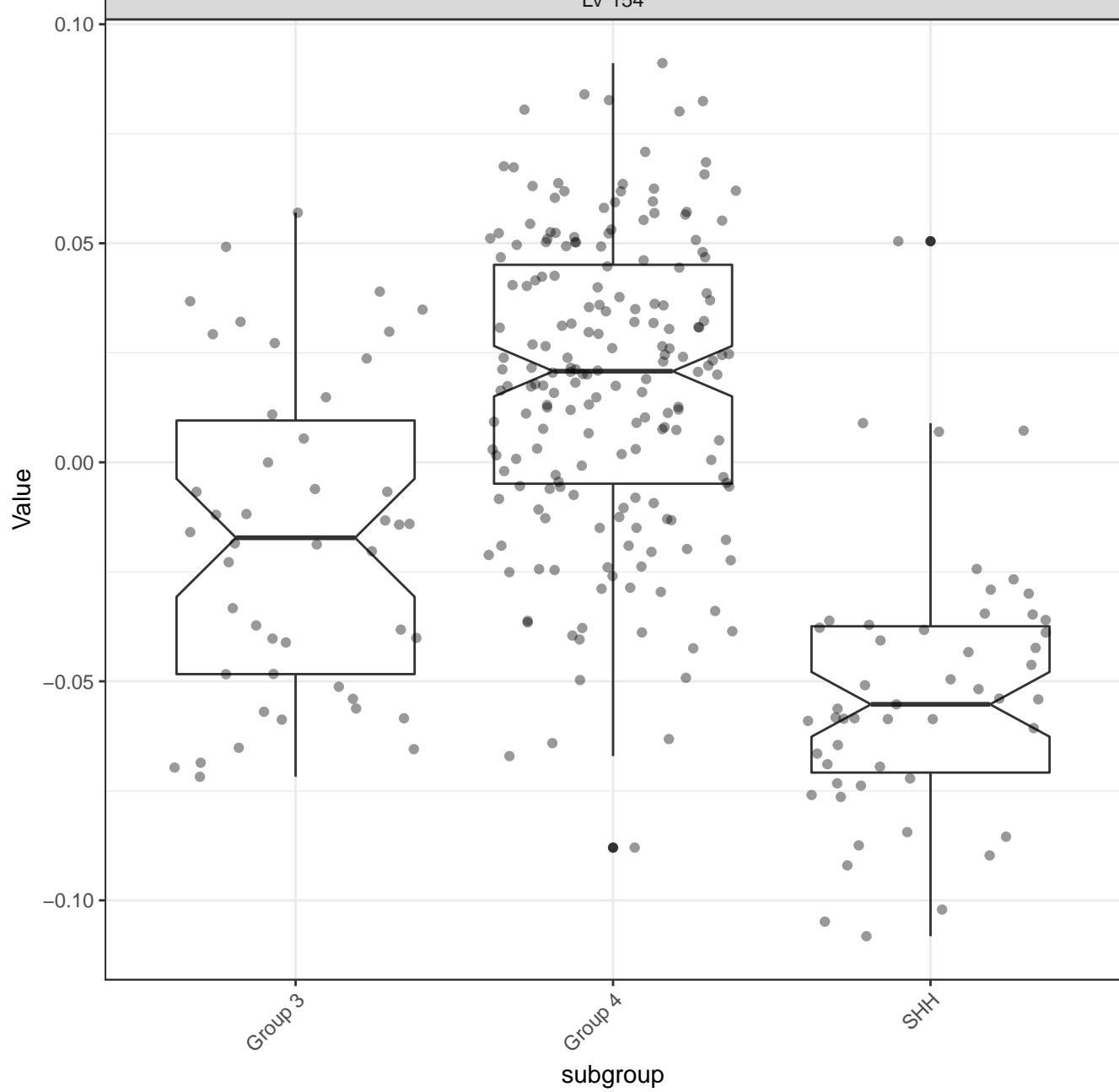
LV 152



LV 153



LV 154



LV 155

Value

0.10

0.05

0.00

-0.05

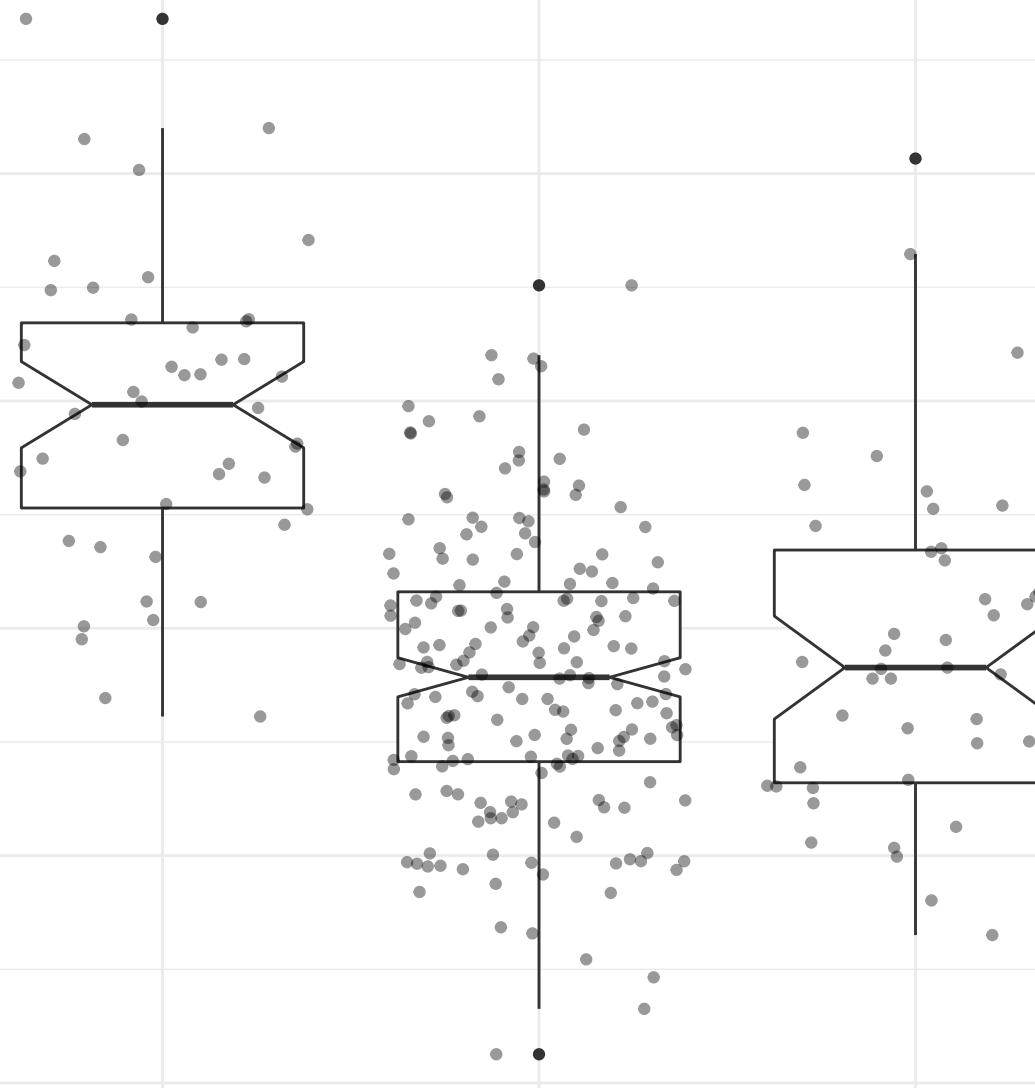
-0.10

Group 3

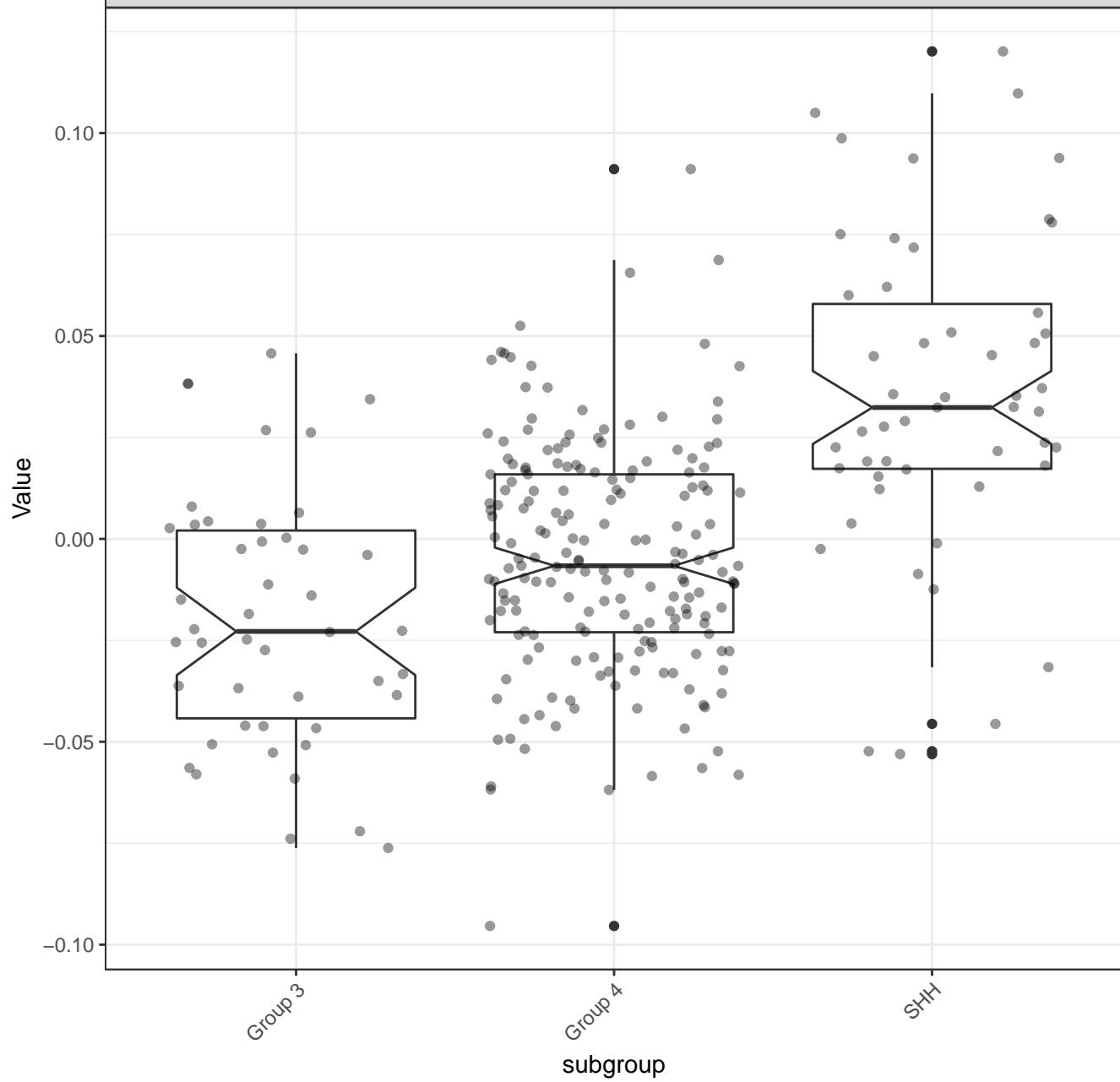
subgroup

SHH

Group 4



LV 156



LV 157

Value

0.05

0.00

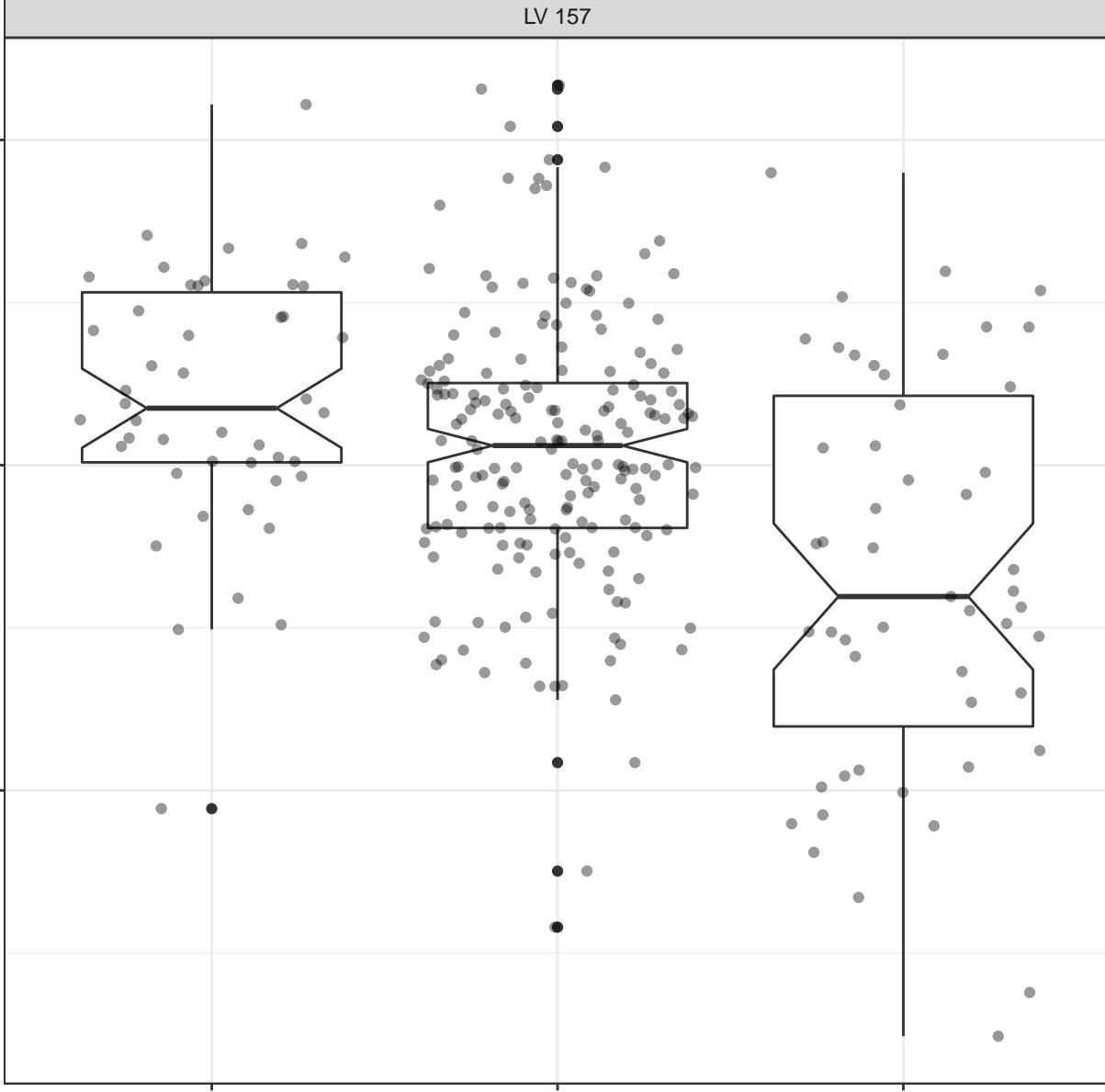
-0.05

Group 3

Group 4

SHH

subgroup



LV 158

Value

0.10

0.05

0.00

-0.05

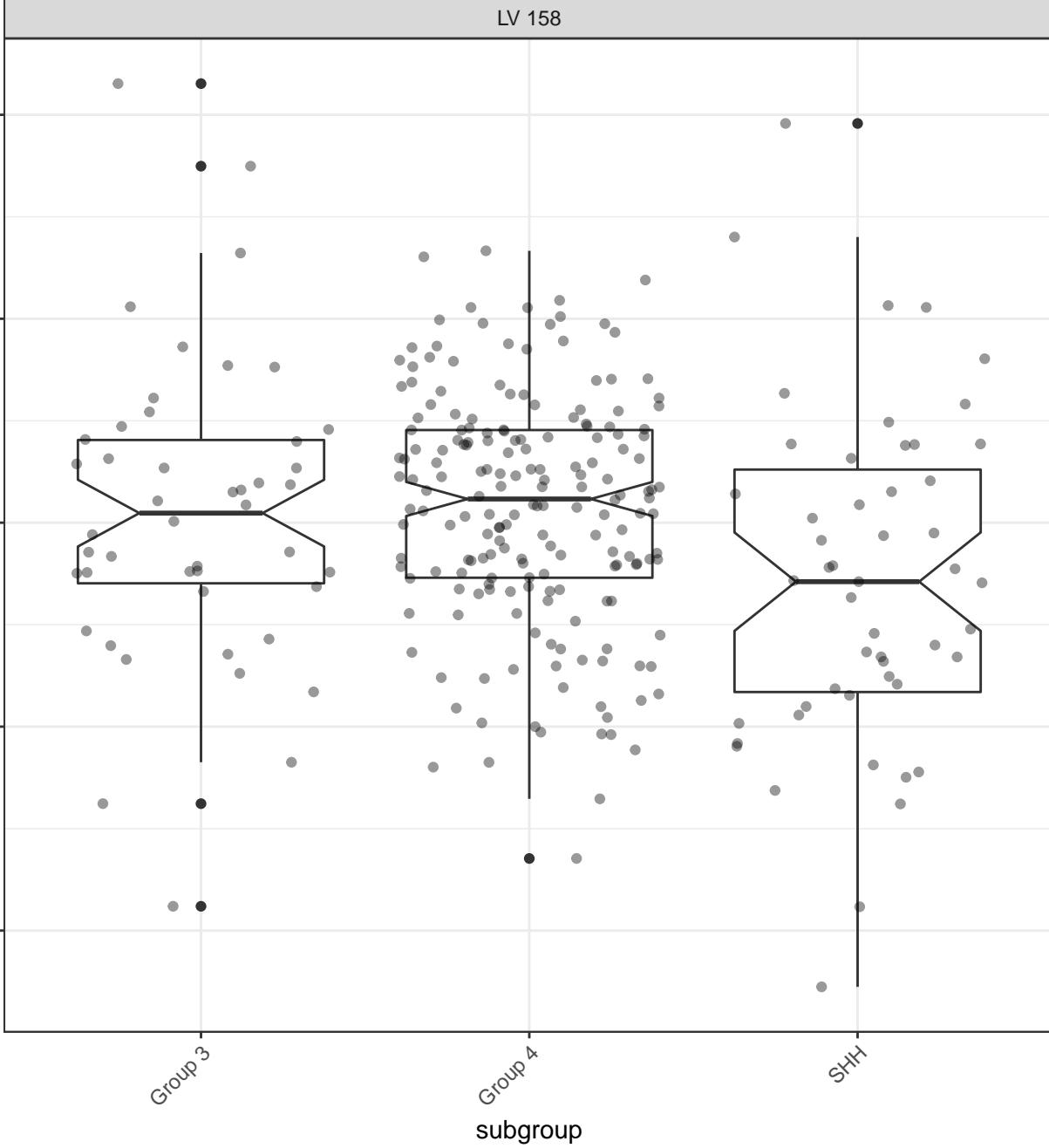
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.3

0.2

0.1

0.0

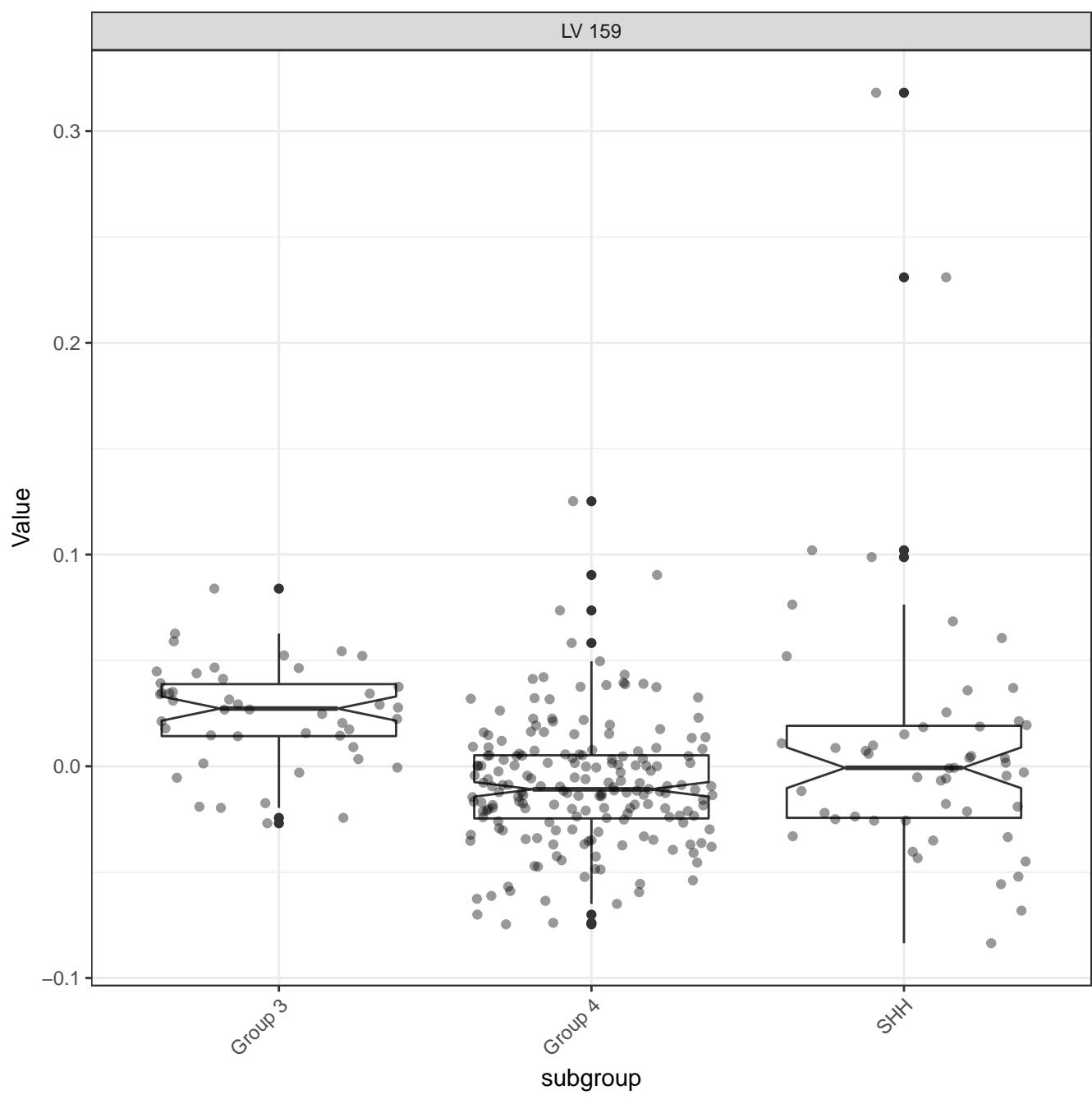
-0.1

Group 3

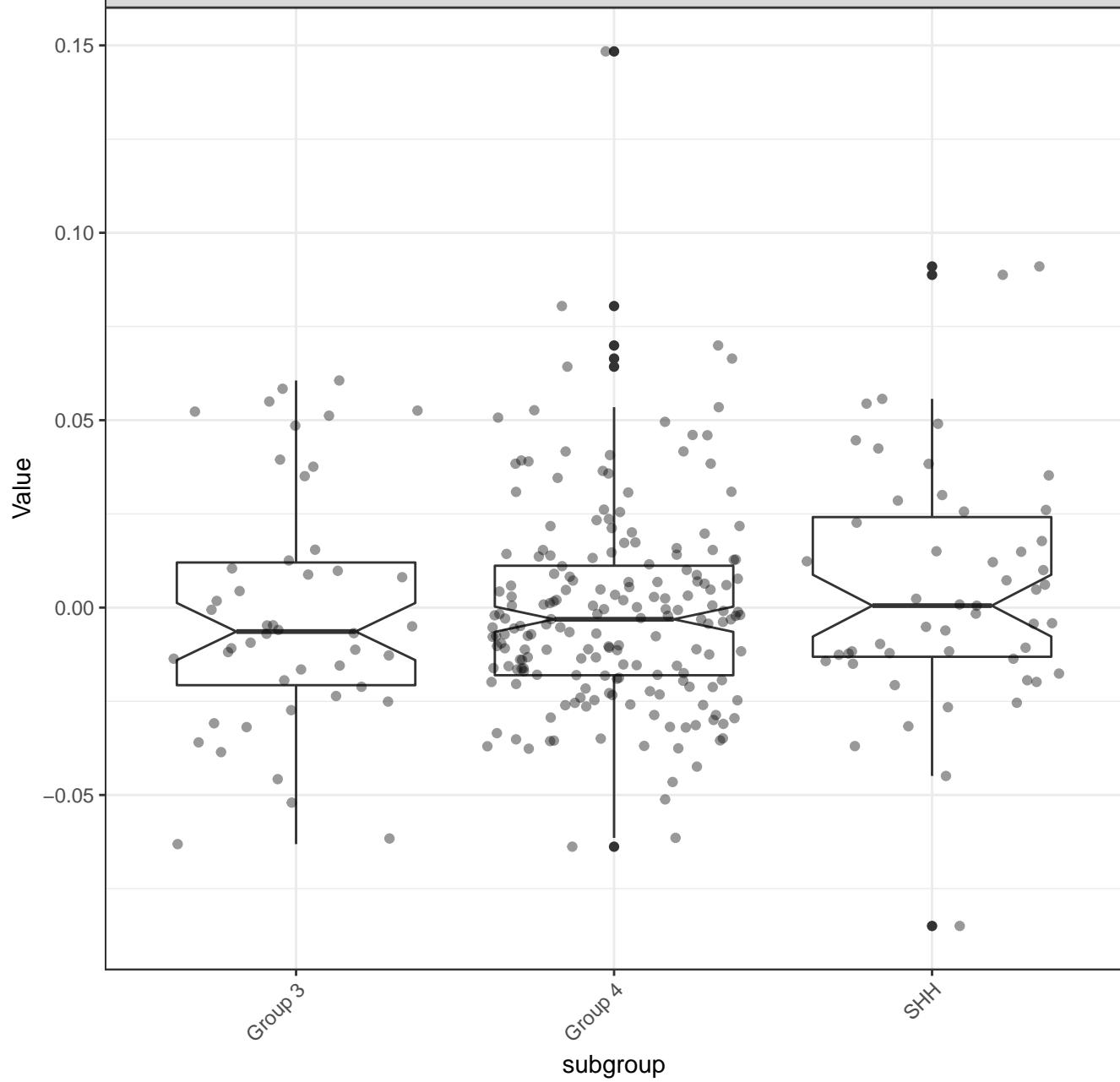
Group 4

SHH

subgroup



LV 160



161,REACTOME_TRNA_AMINOACYLATION

Value

0.4

0.2

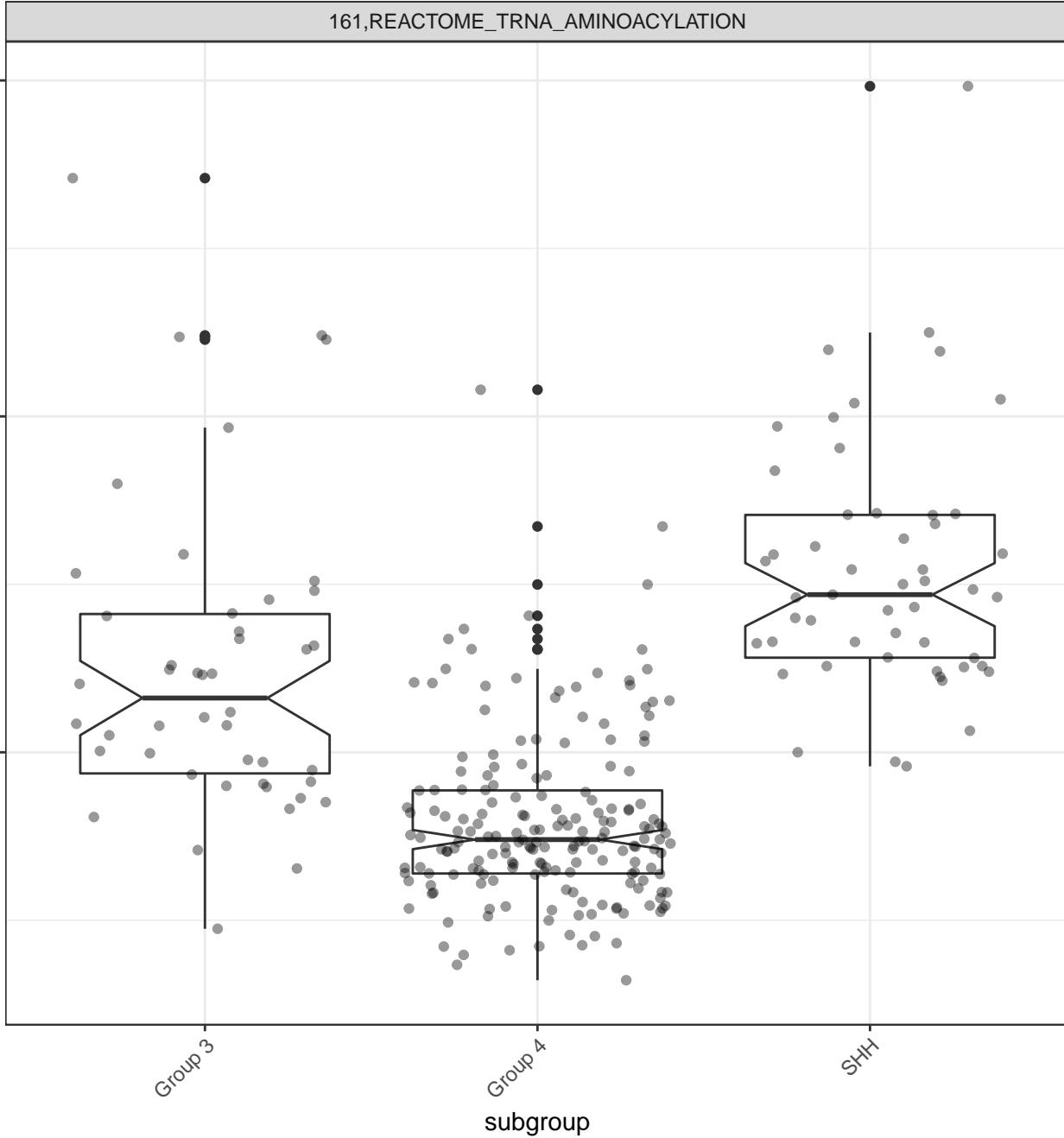
0.0

Group 3

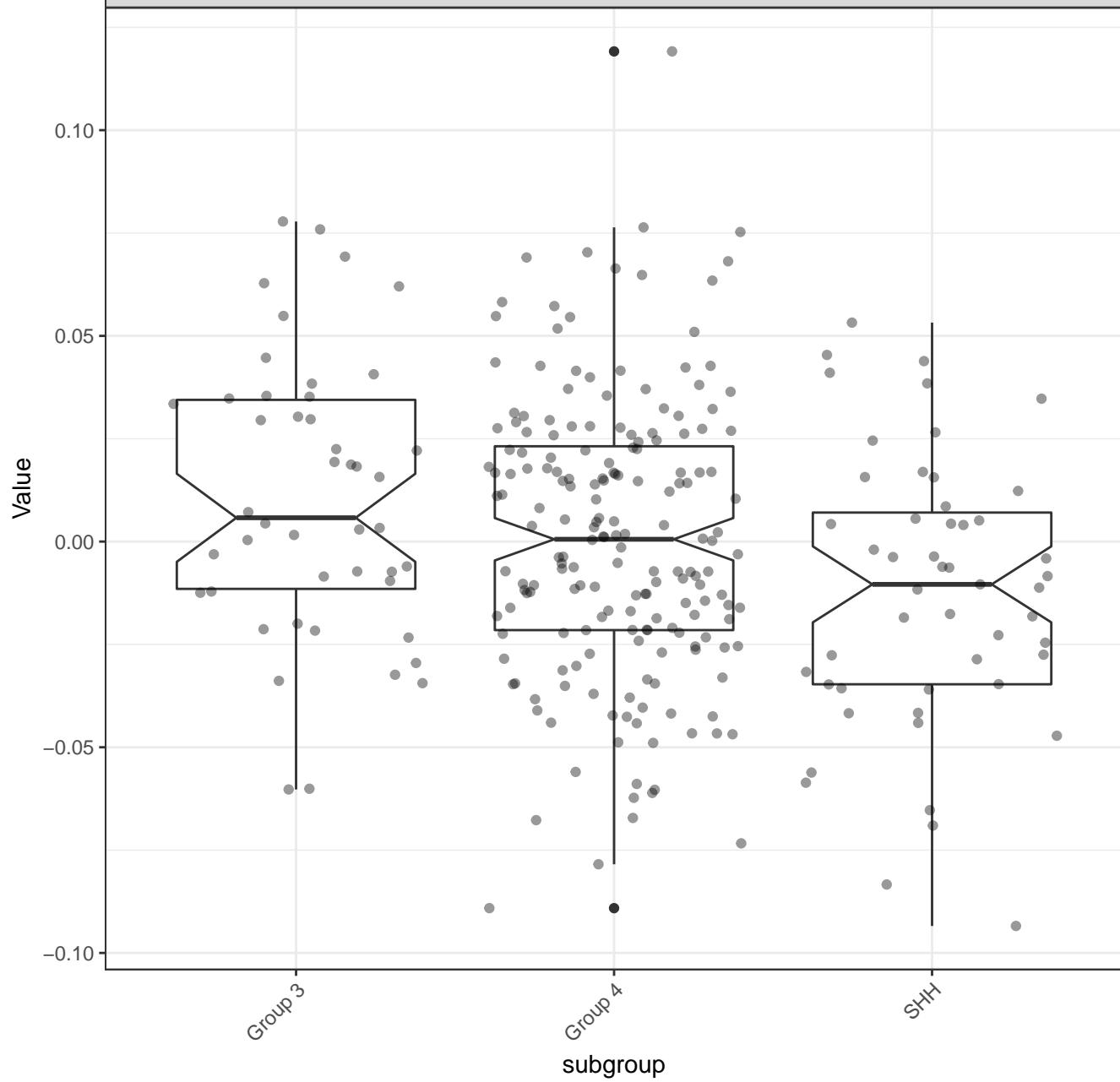
Group 4

SHH

subgroup



LV 162



LV 163

Value

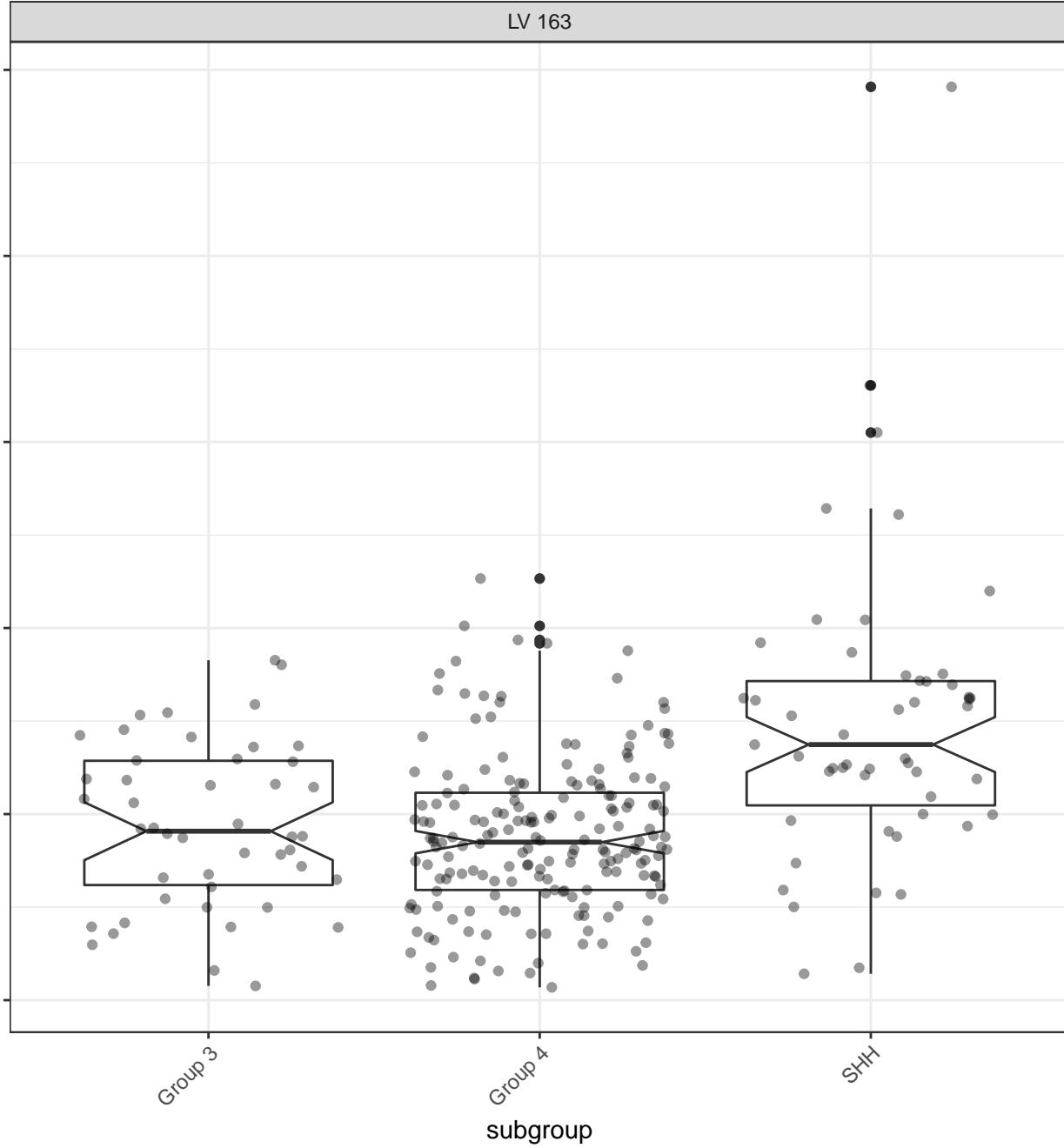
0.4
0.3
0.2
0.1
0.0
-0.1

Group 3

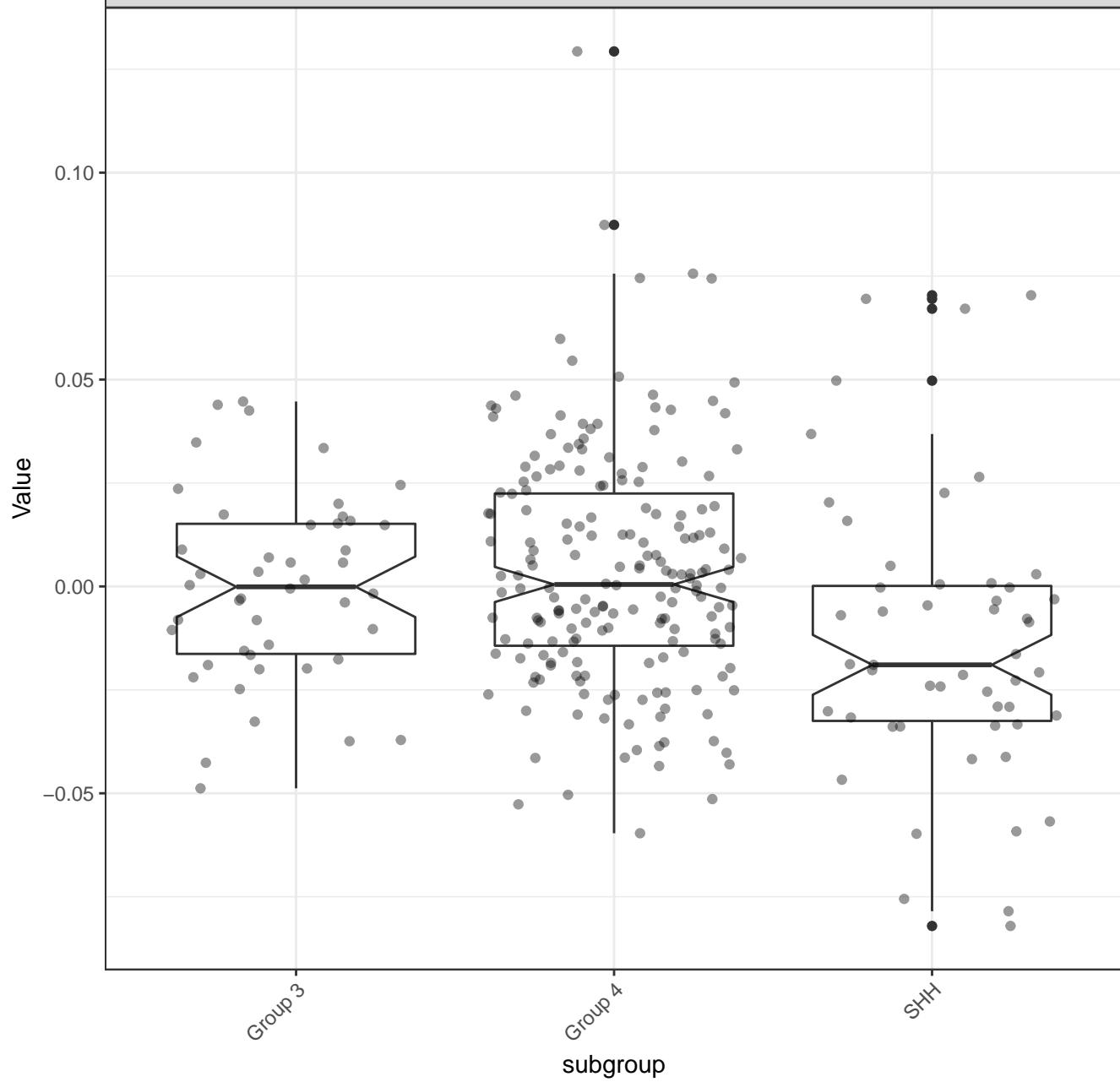
Group 4

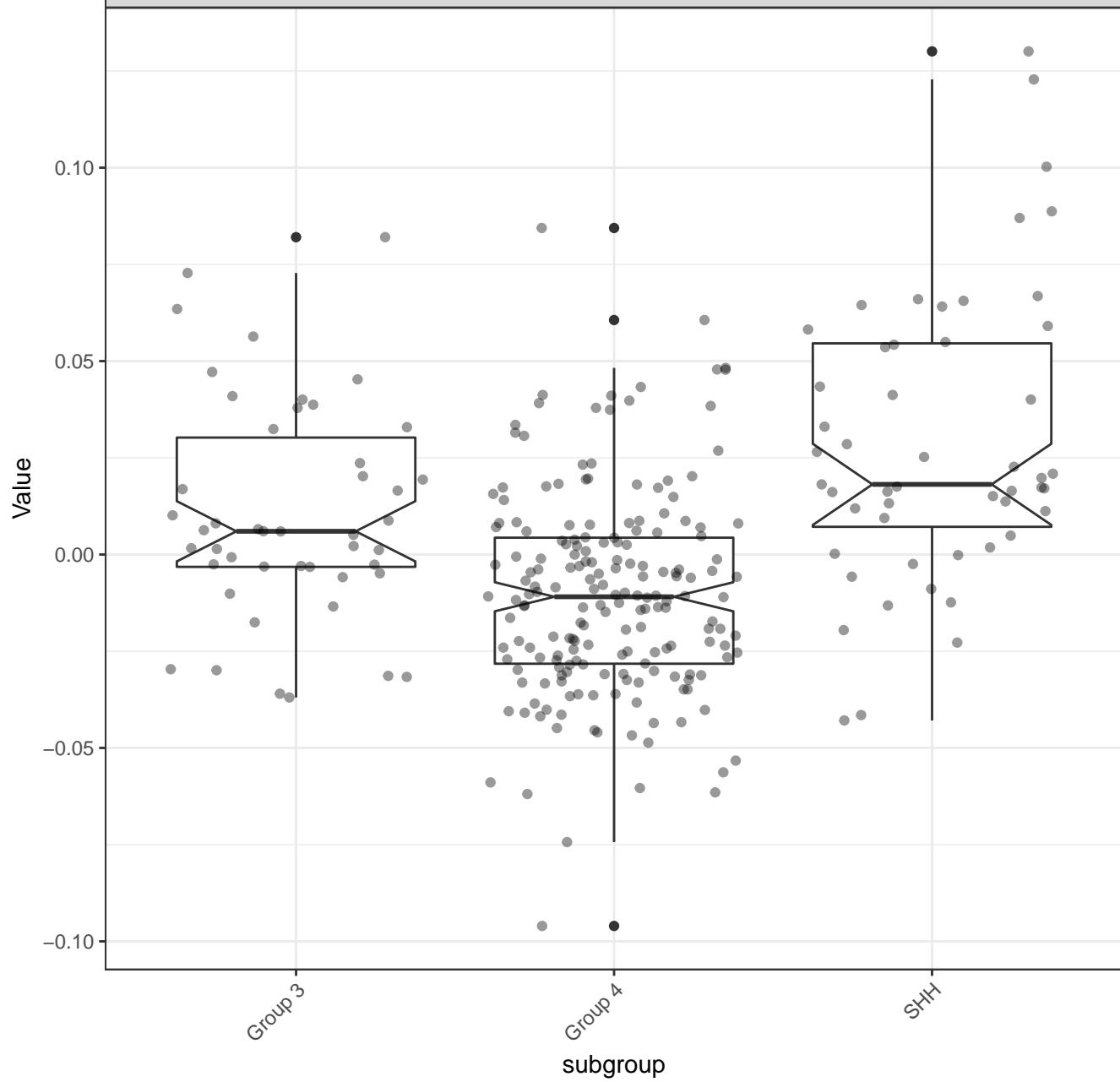
SHH

subgroup

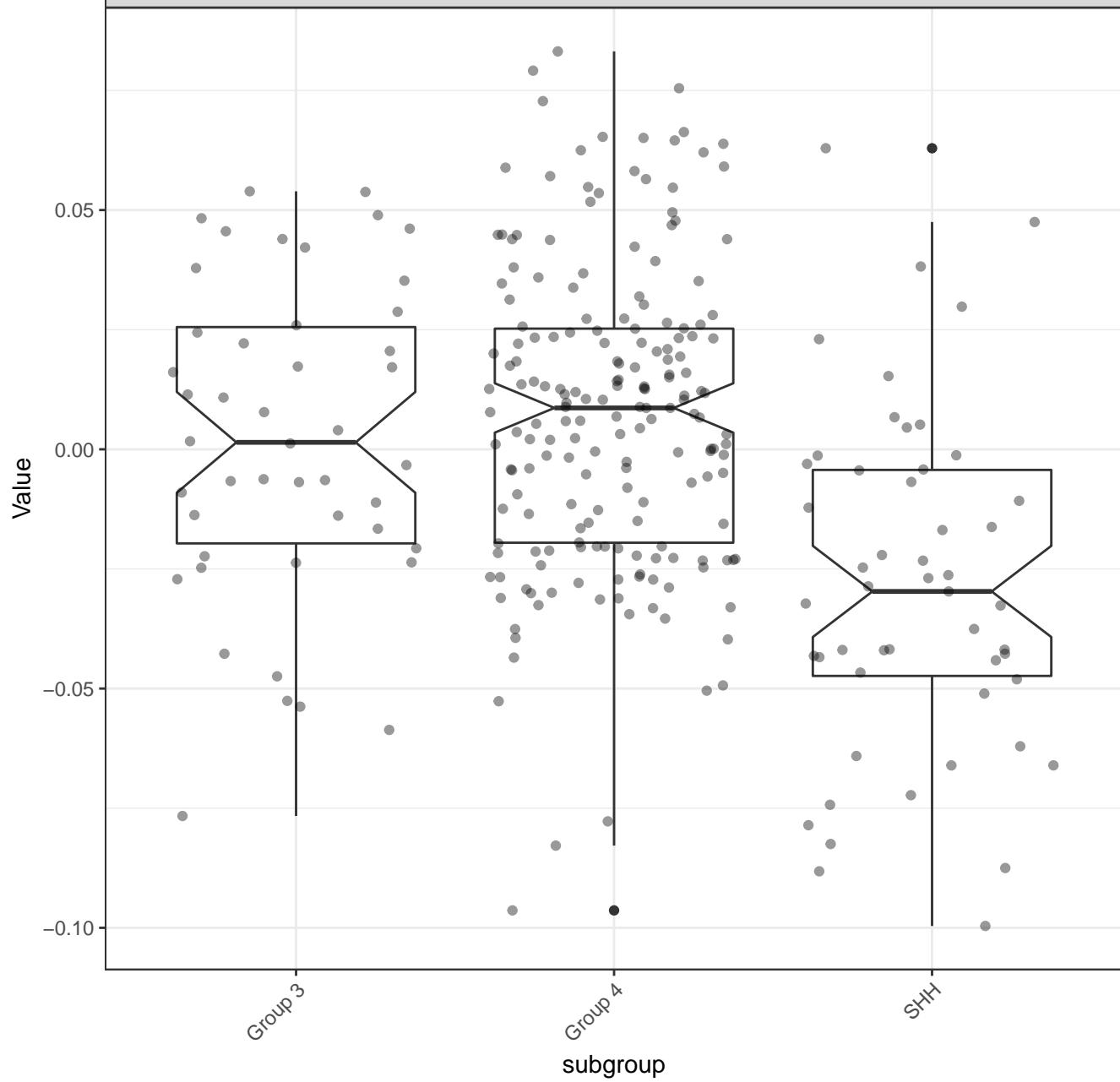


LV 164

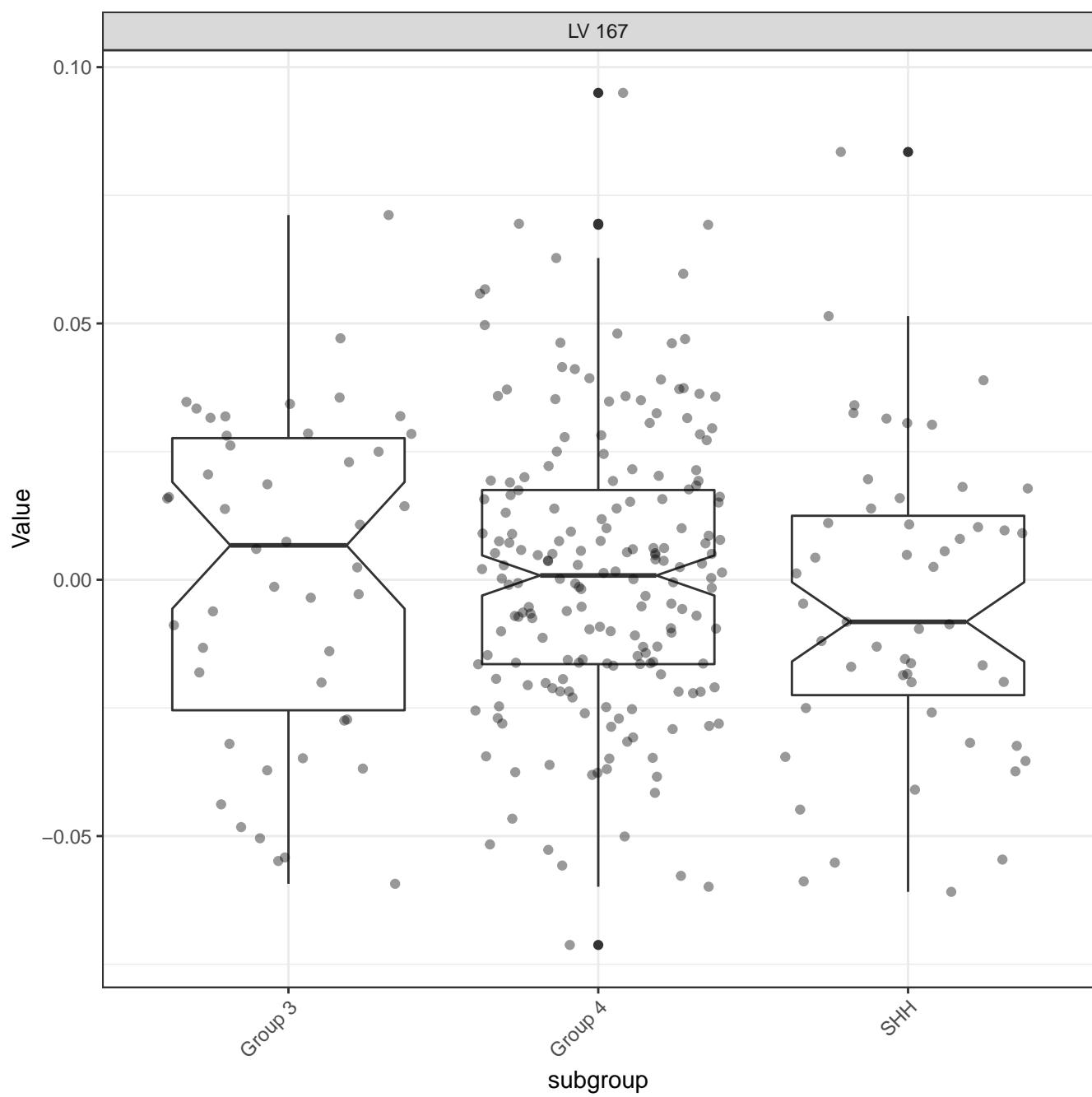




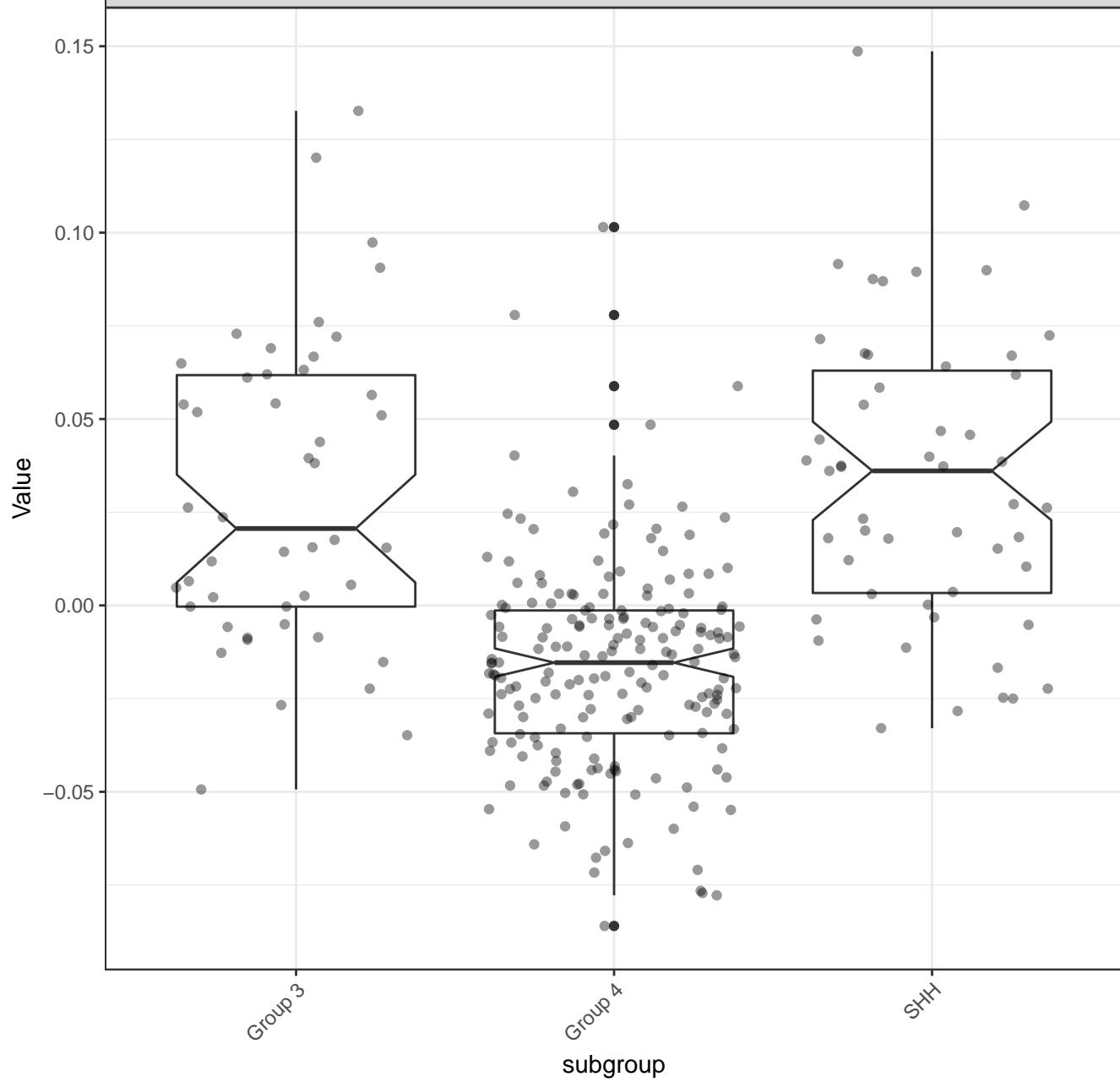
166,REACTOME_TRANSPORT_OF_INORGANIC_CATIONS_ANIONS_AND_AMINO_ACIDS_OLIGOPEPTIDES



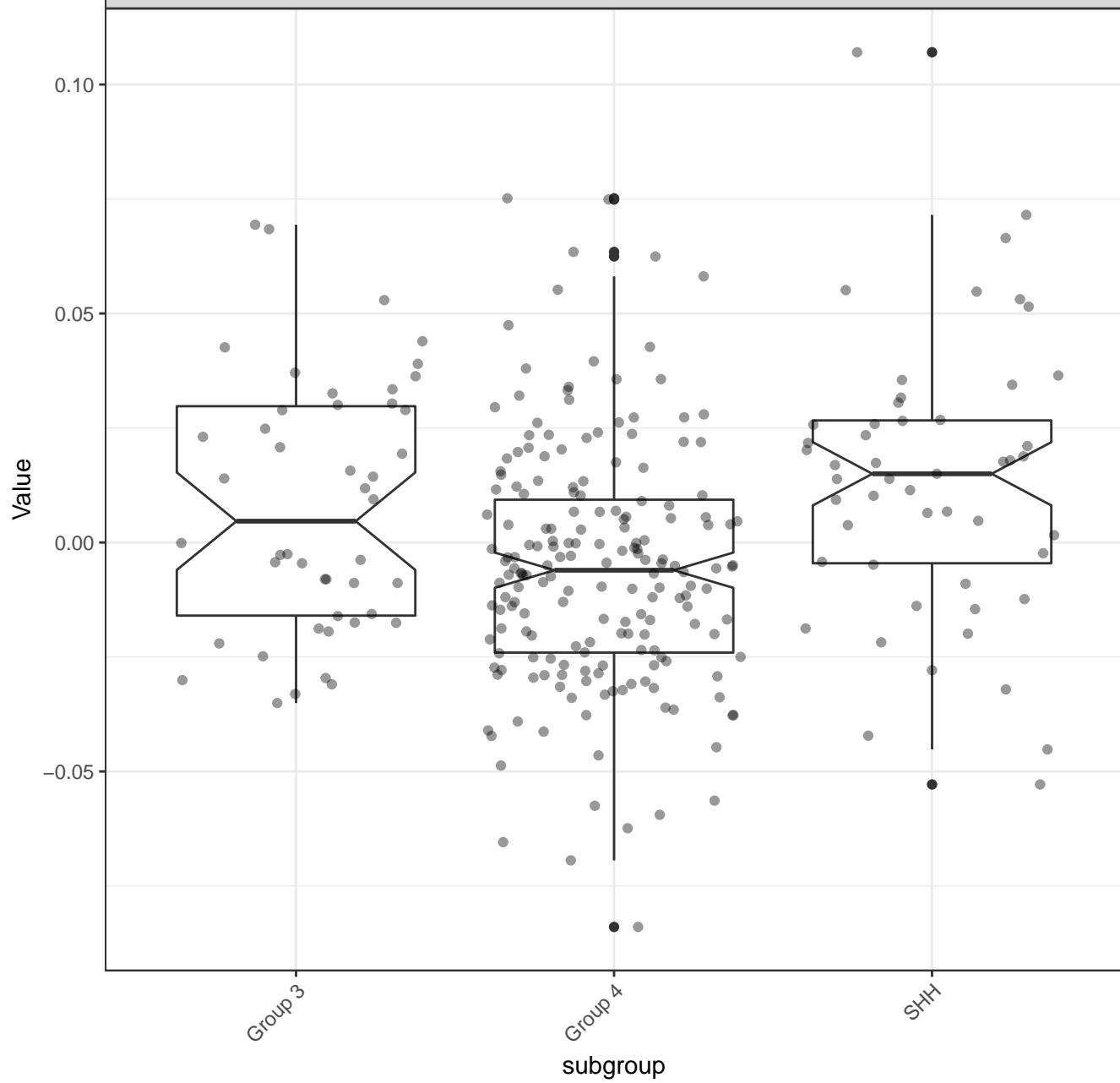
LV 167



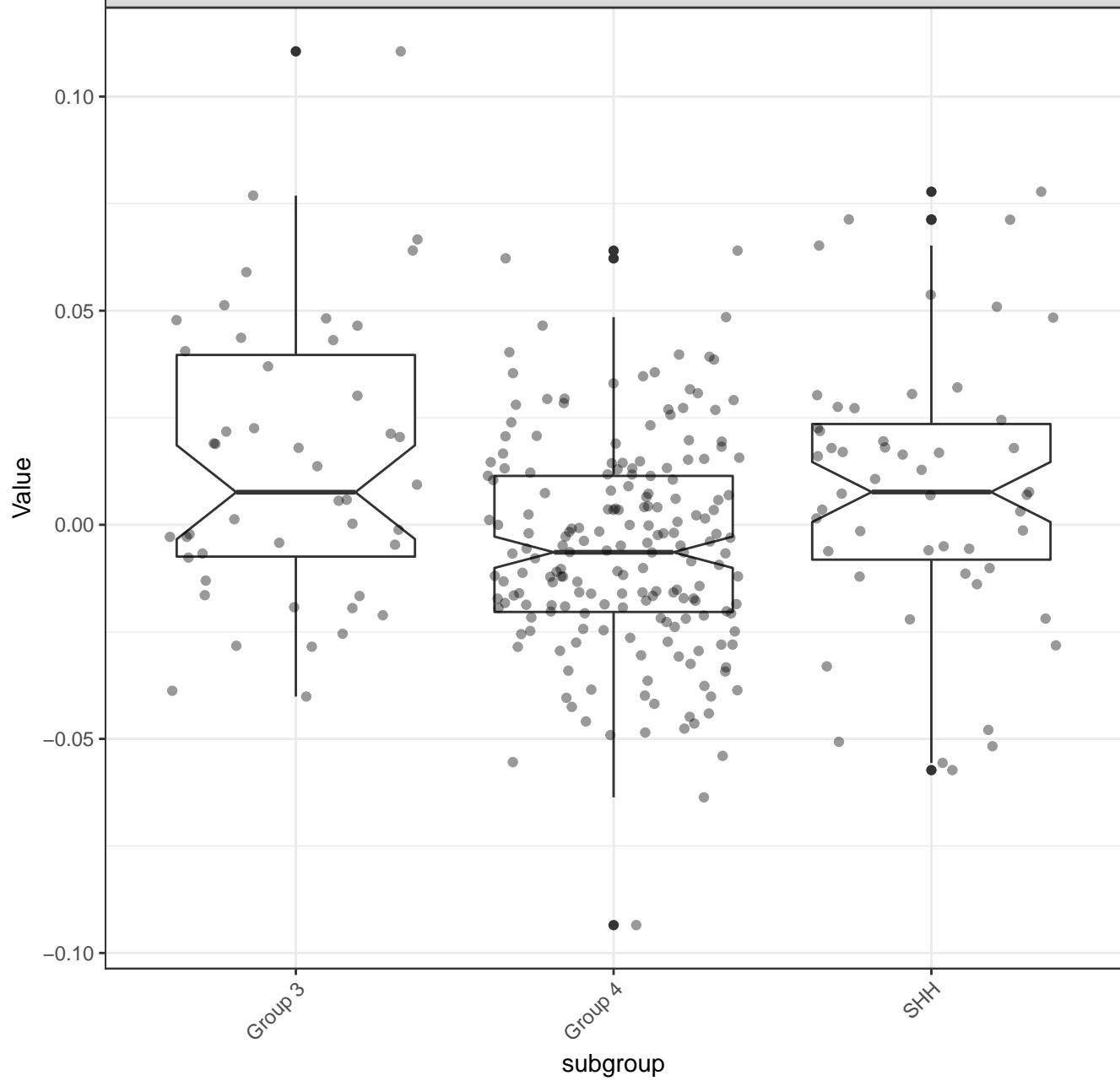
LV 168



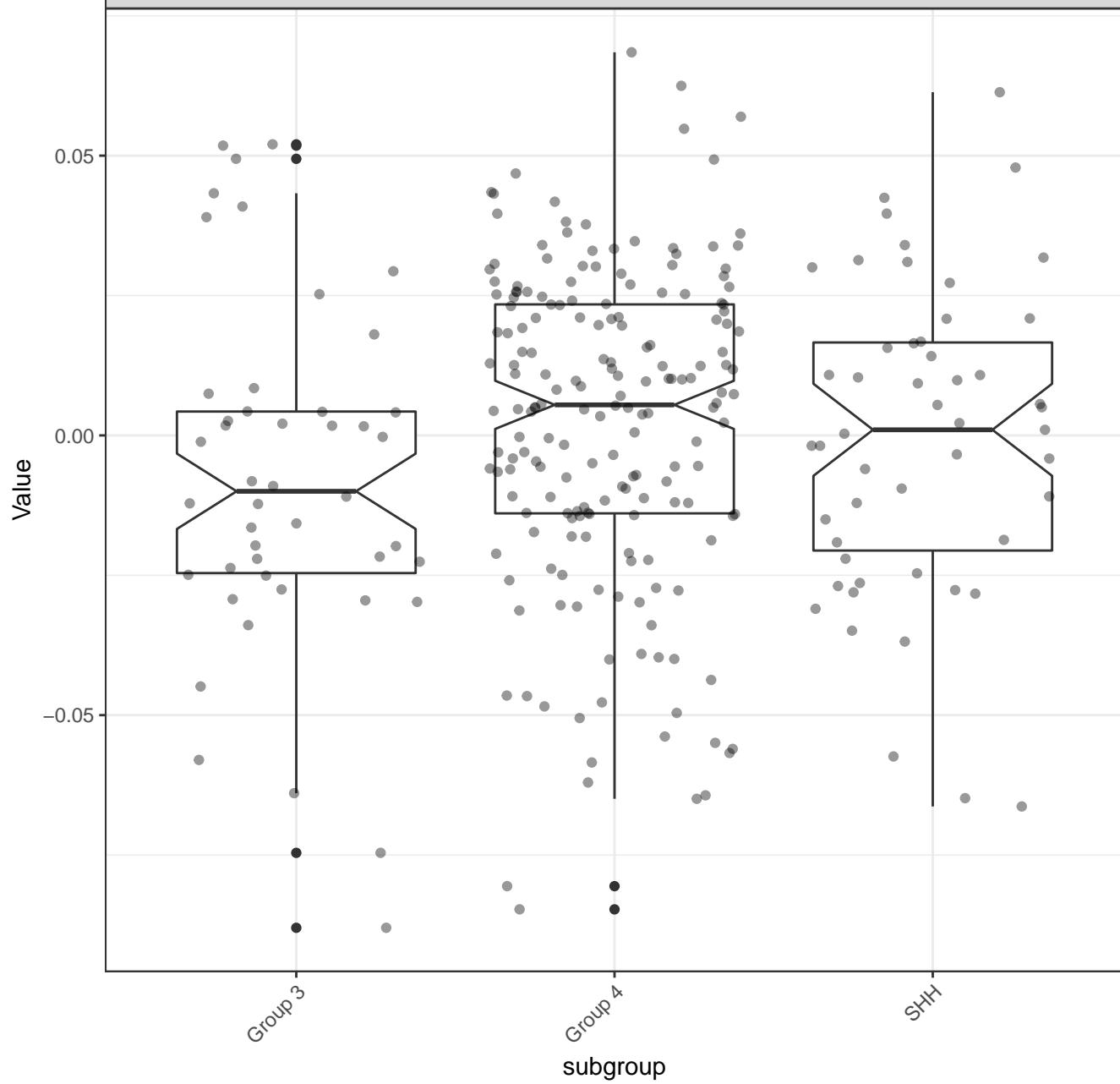
LV 169



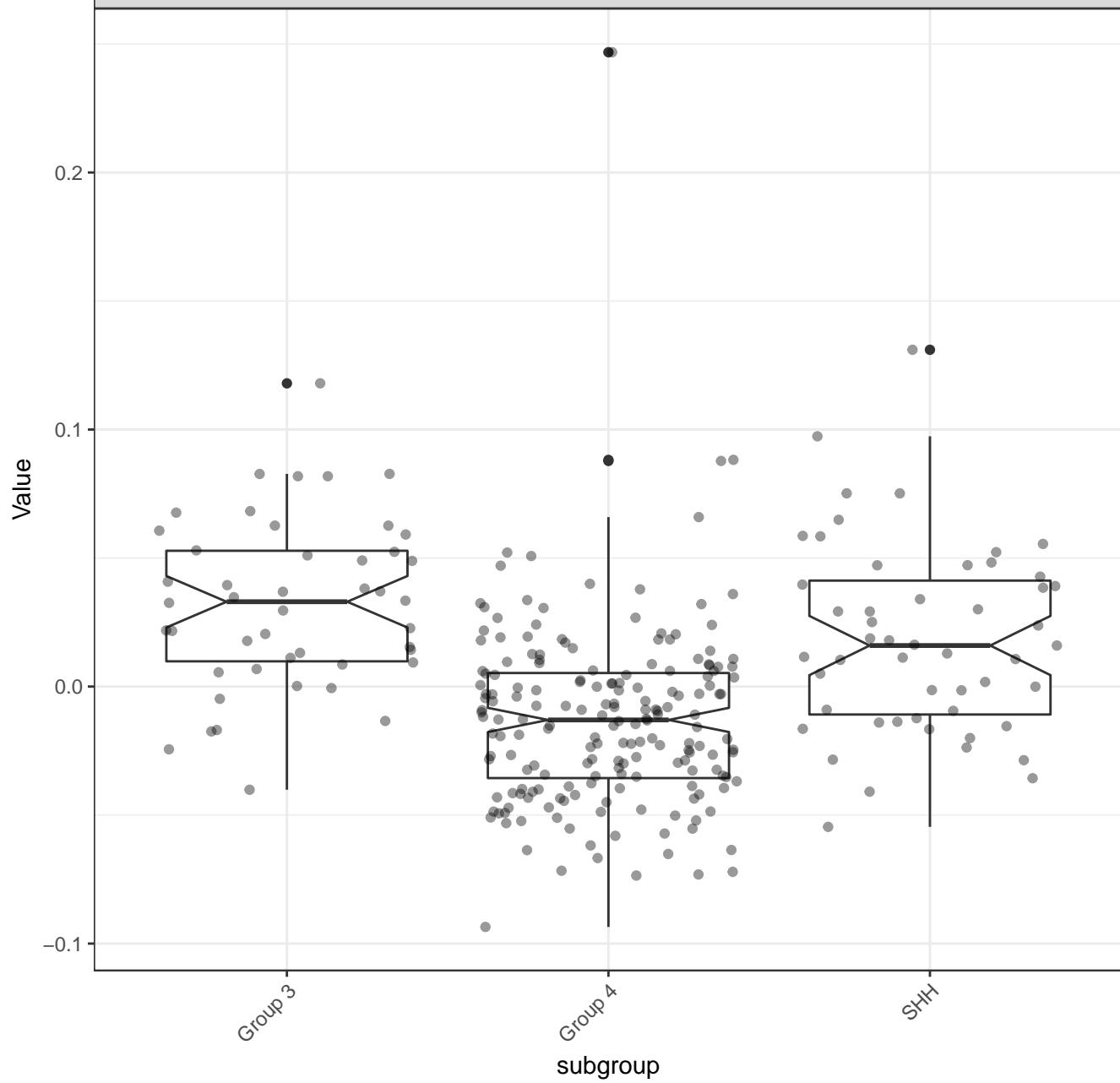
LV 170



171,KEGG_FATTY_ACID_METABOLISM



172,DMAP_ERY4



LV 173

Value

0.08

0.04

0.00

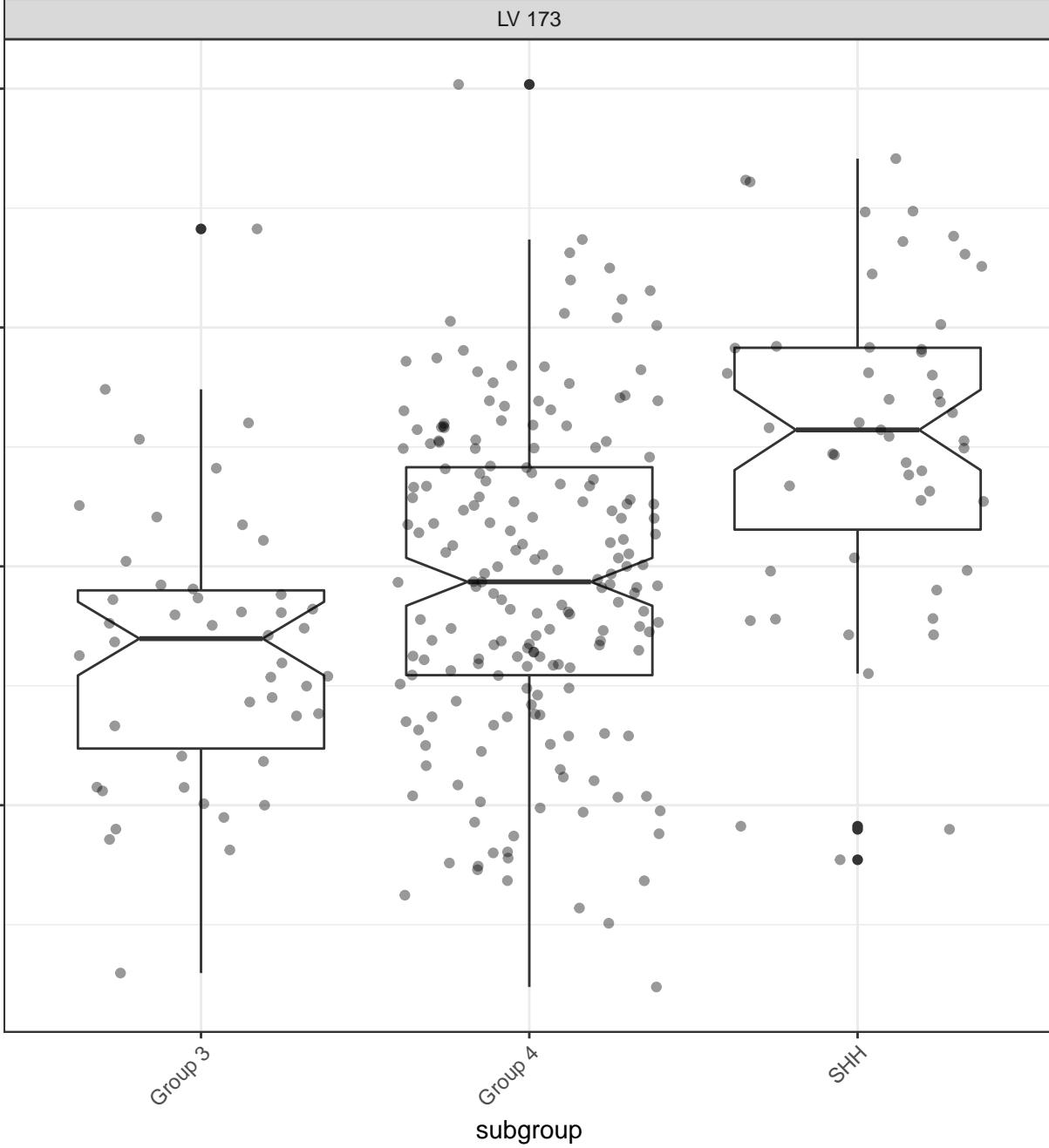
-0.04

Group 3

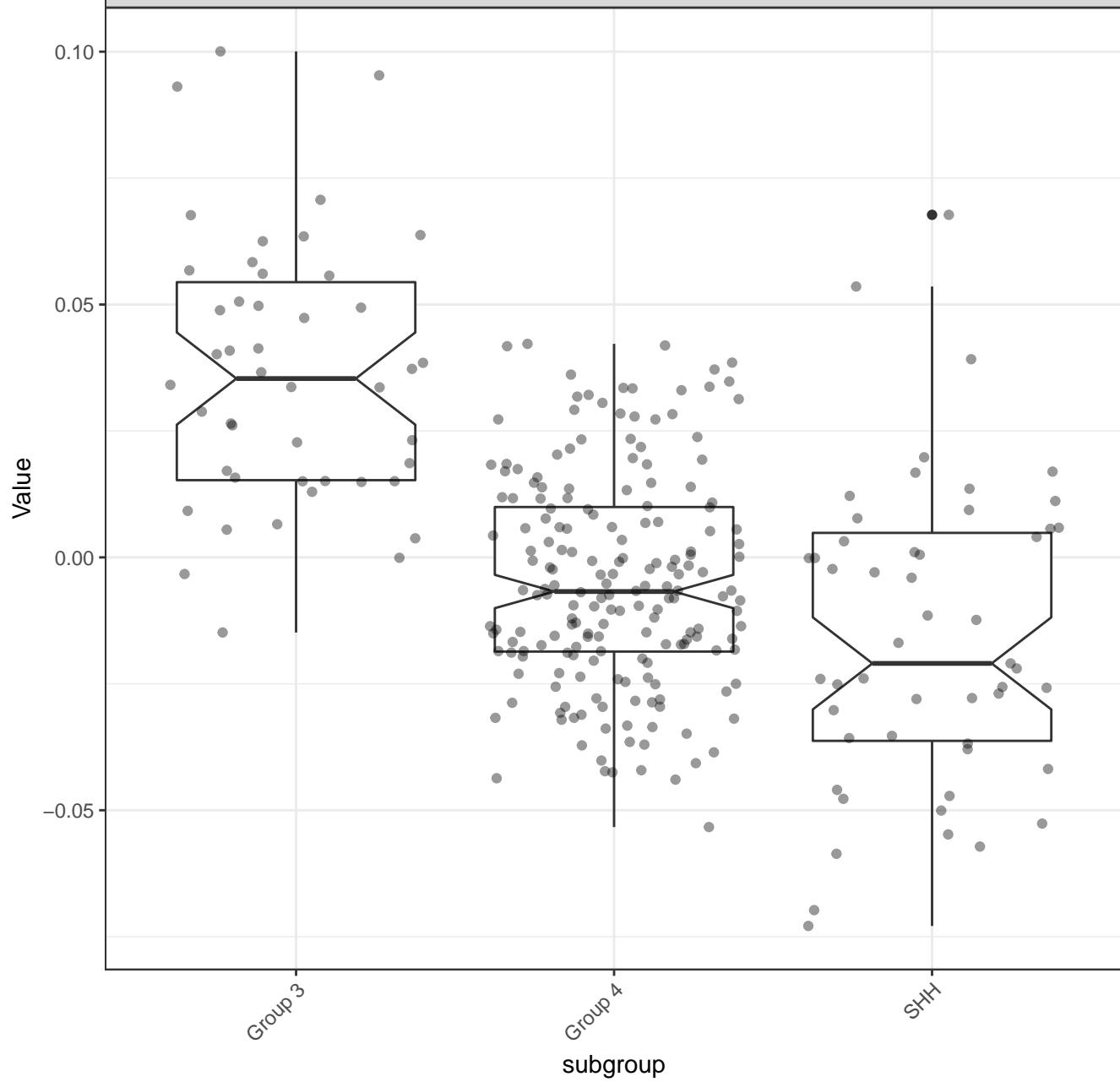
Group 4

SHH

subgroup



LV 174



LV 175

Value

0.10

0.05

0.00

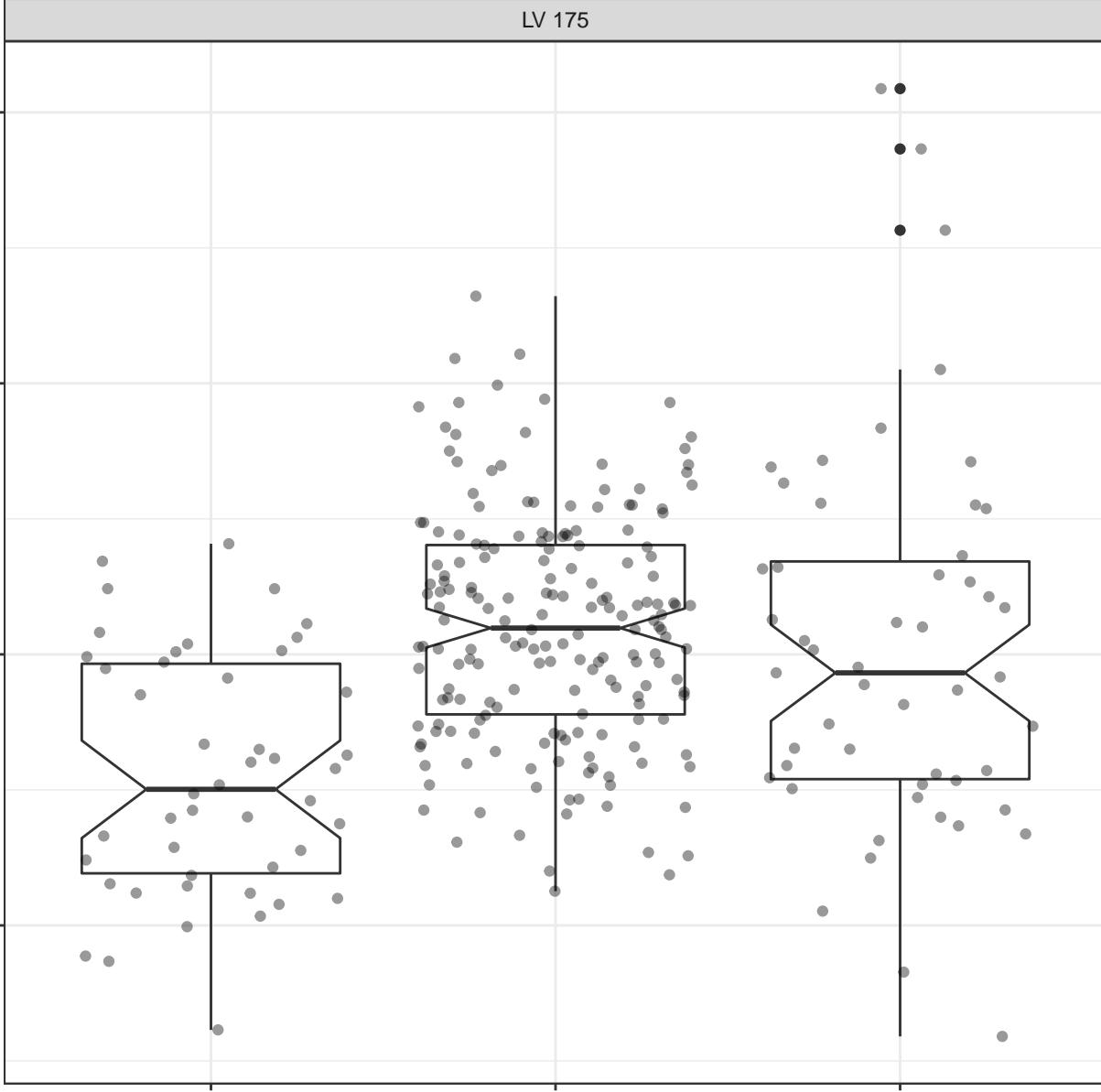
-0.05

Group 3

Group 4

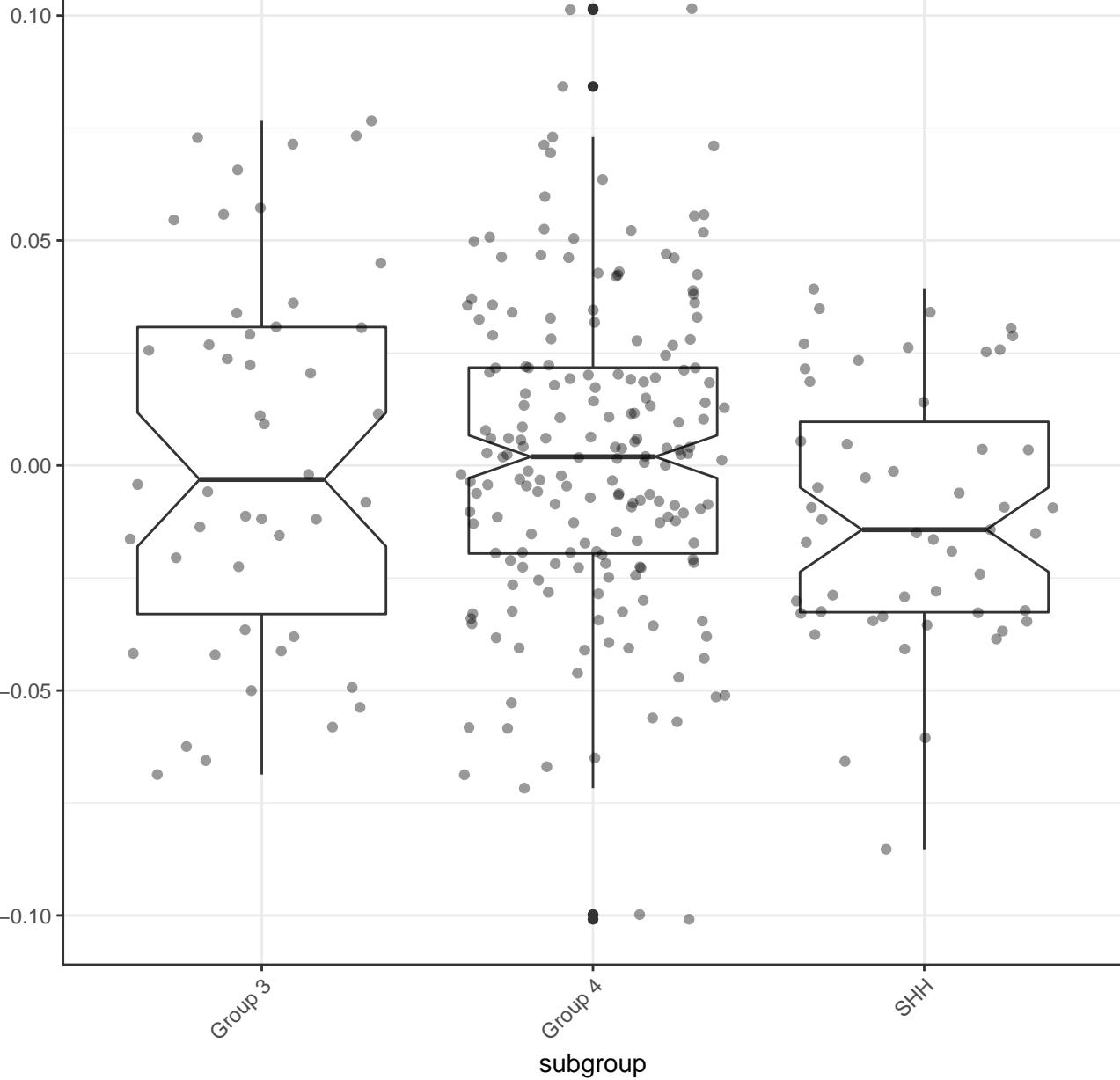
SHH

subgroup

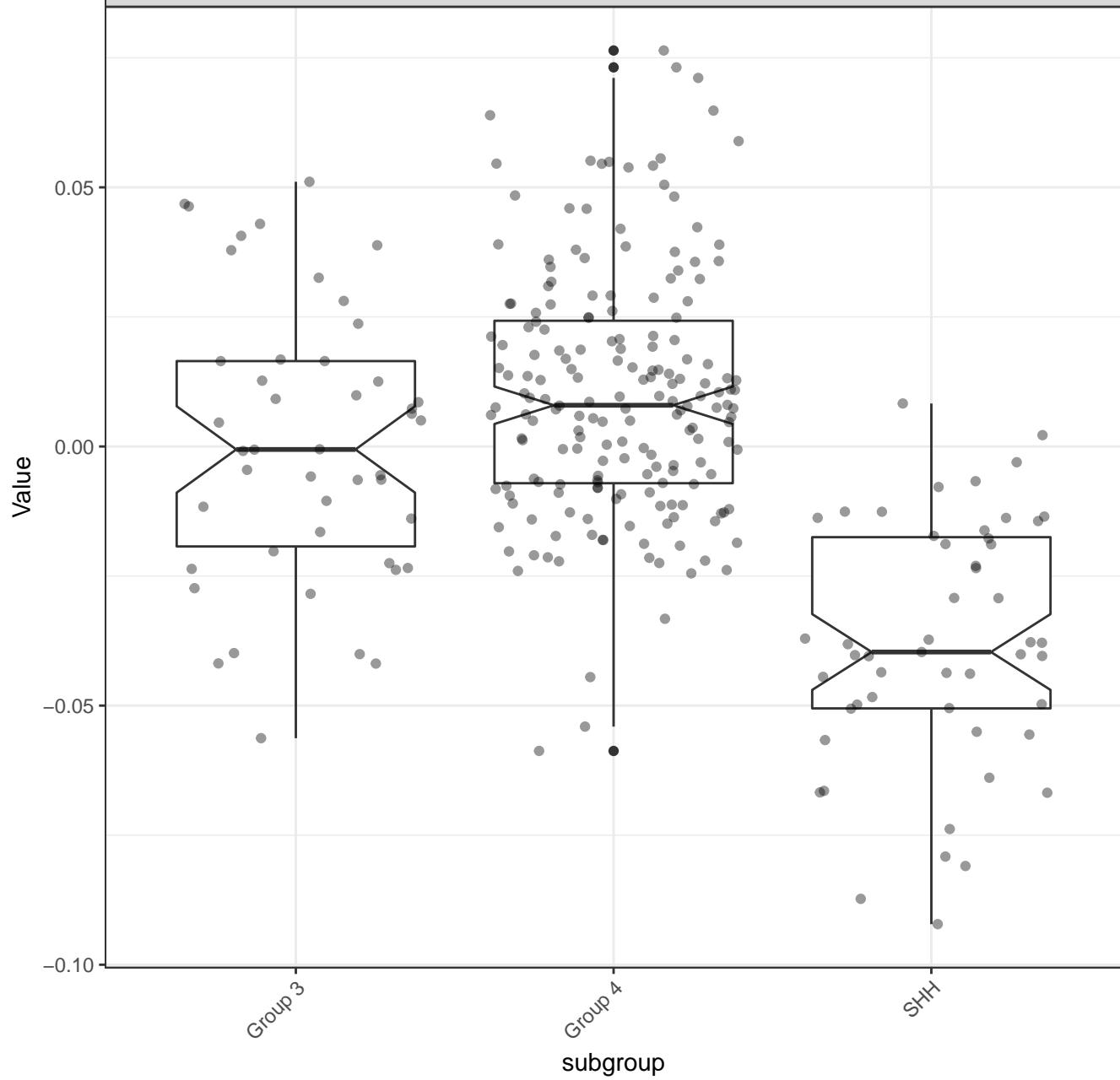


176,KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM

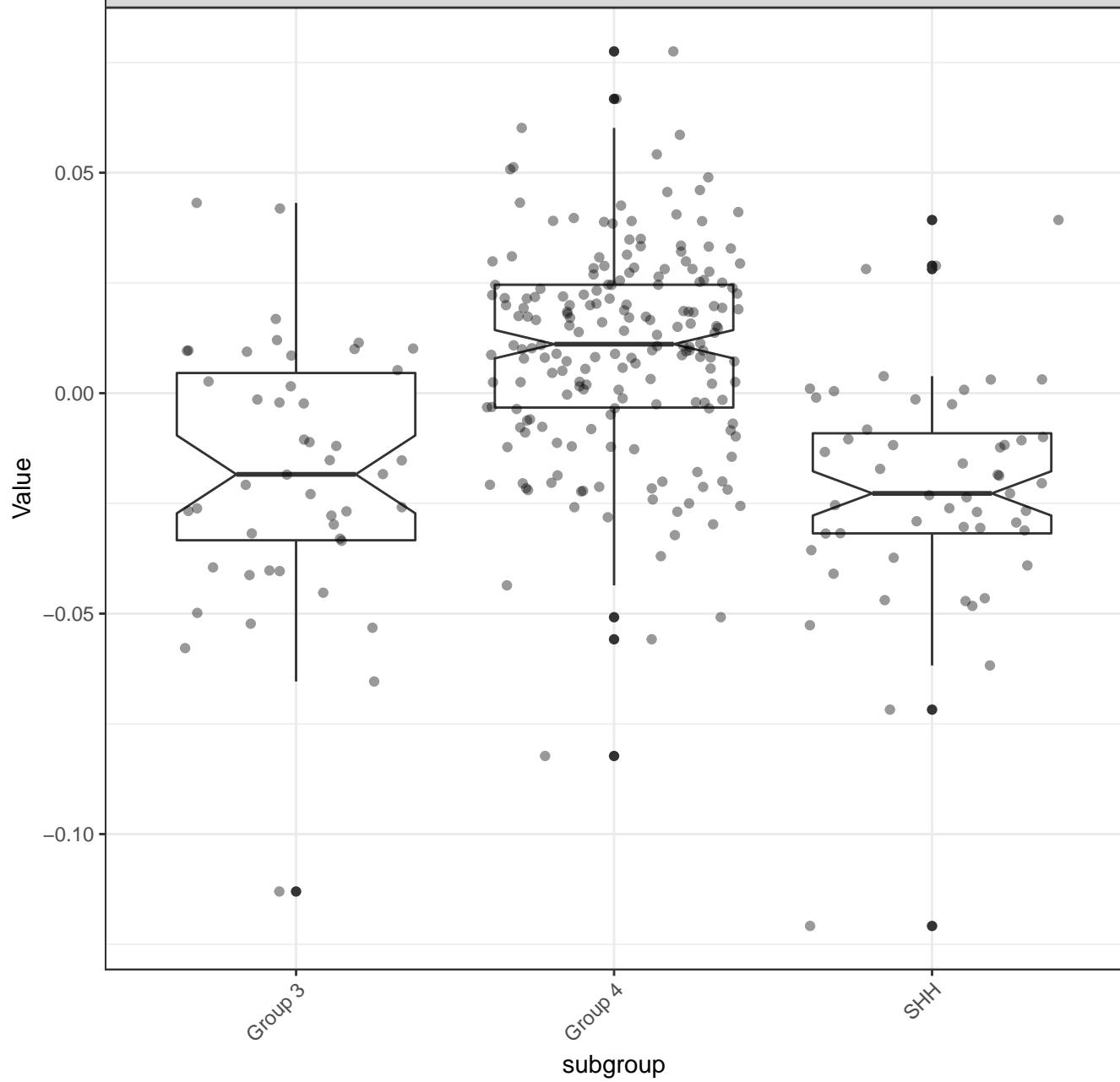
Value



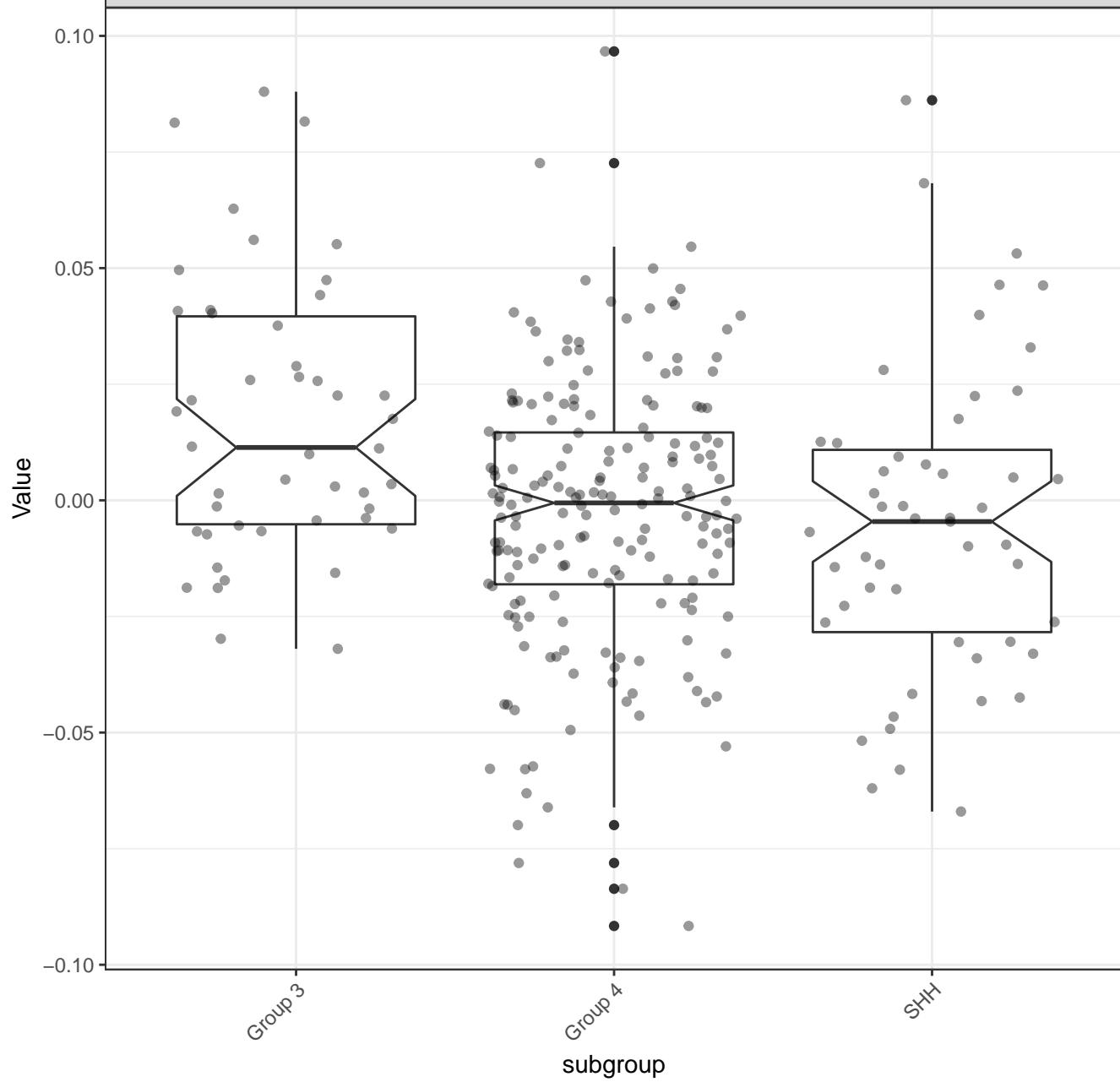
177,SIG_CHEMOTAXIS

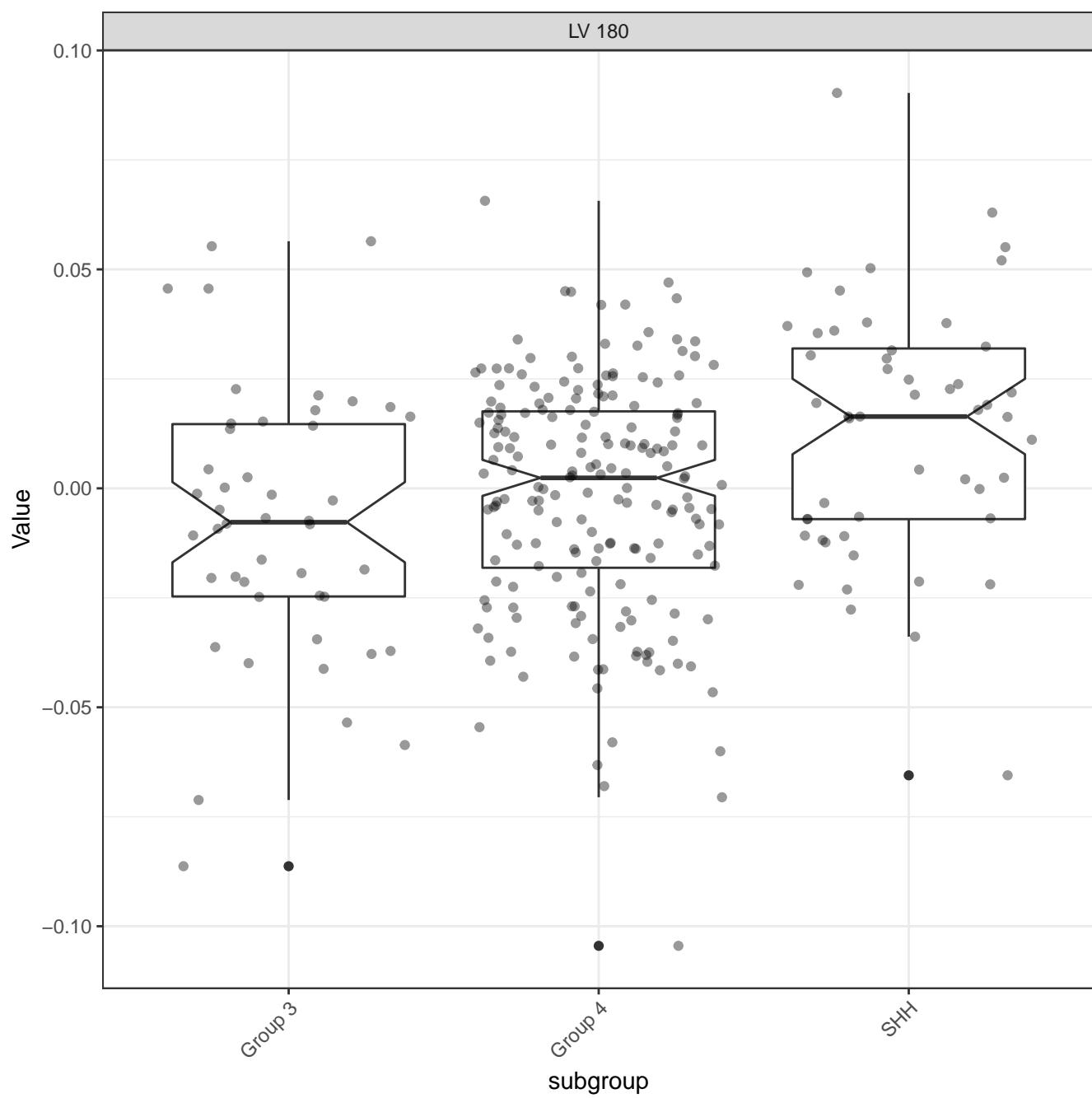


LV 178

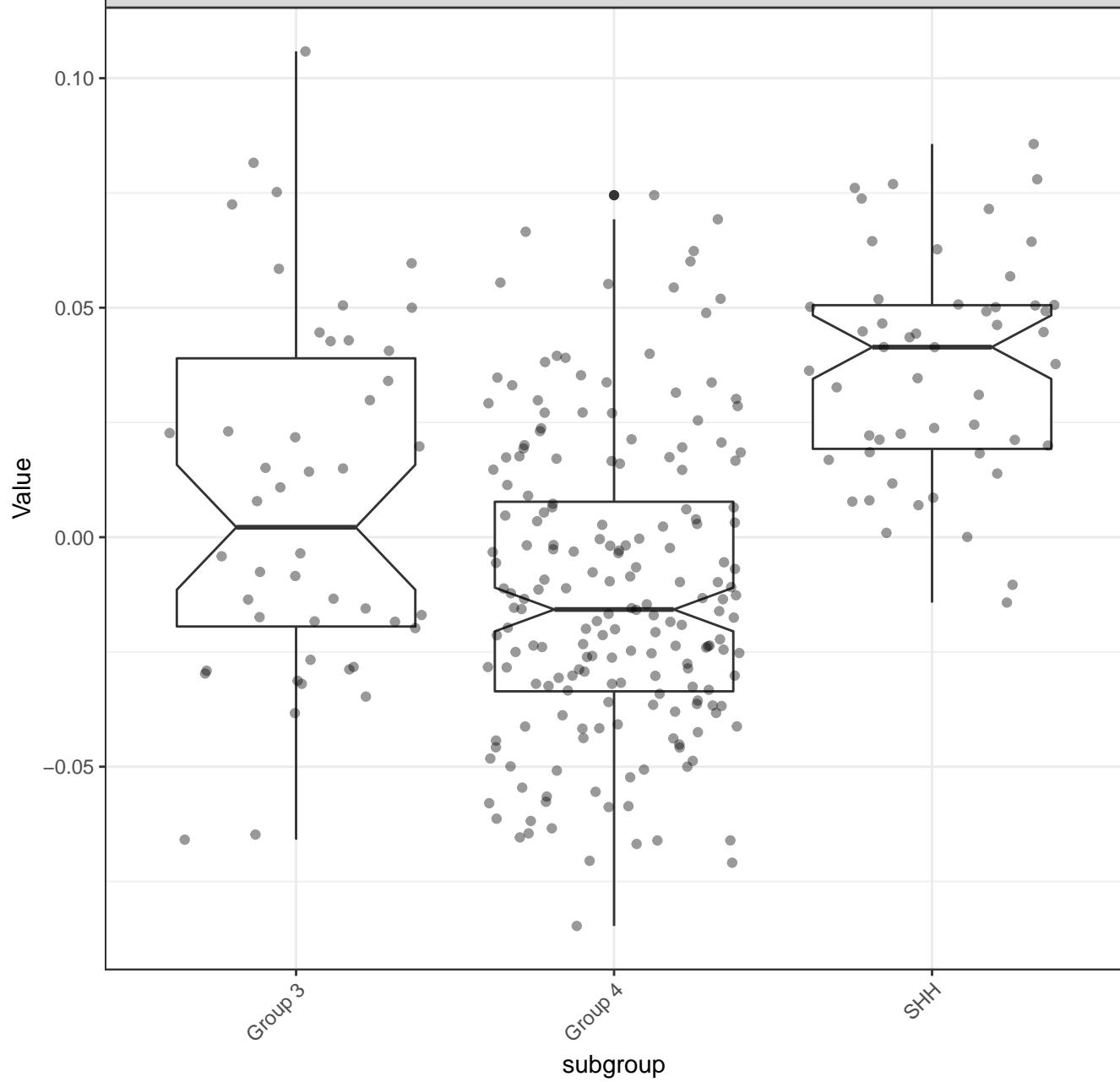


LV 179





LV 181



LV 182

Value

0.10

0.05

0.00

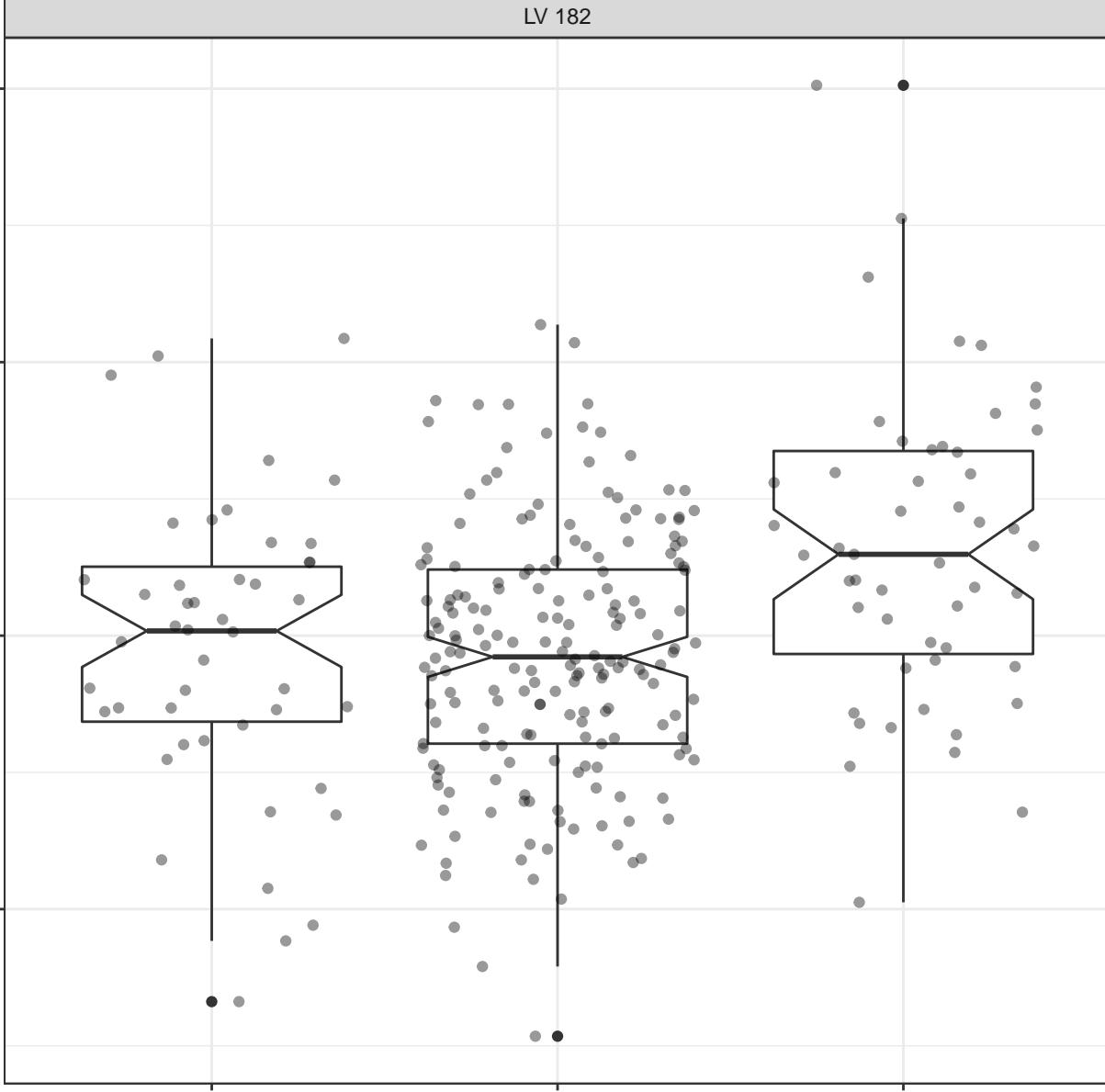
-0.05

Group 3

Group 4

SHH

subgroup



LV 183

Value

0.2

0.1

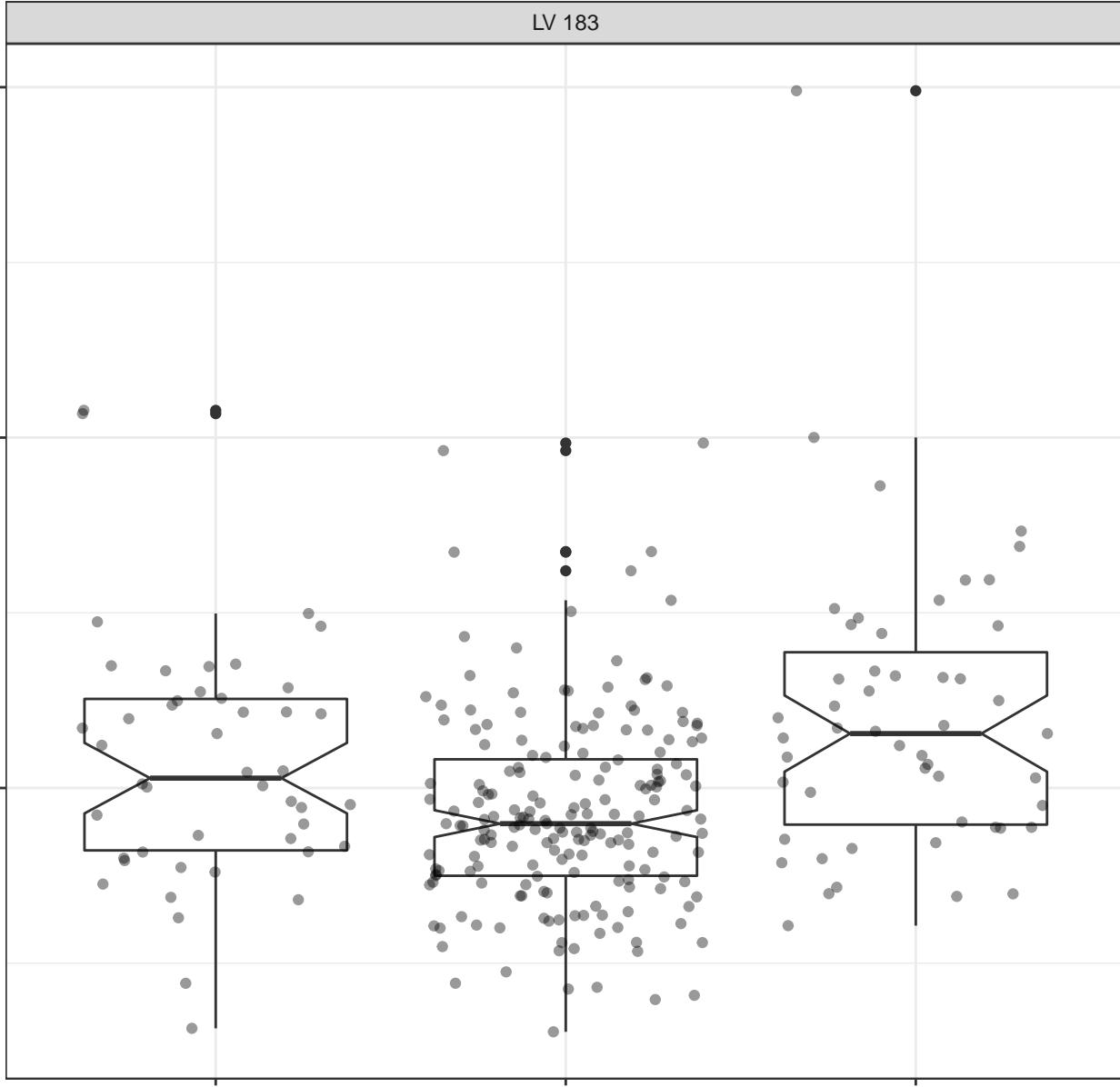
0.0

Group 3

Group 4

SHH

subgroup



LV 184

Value

0.05

0.00

-0.05

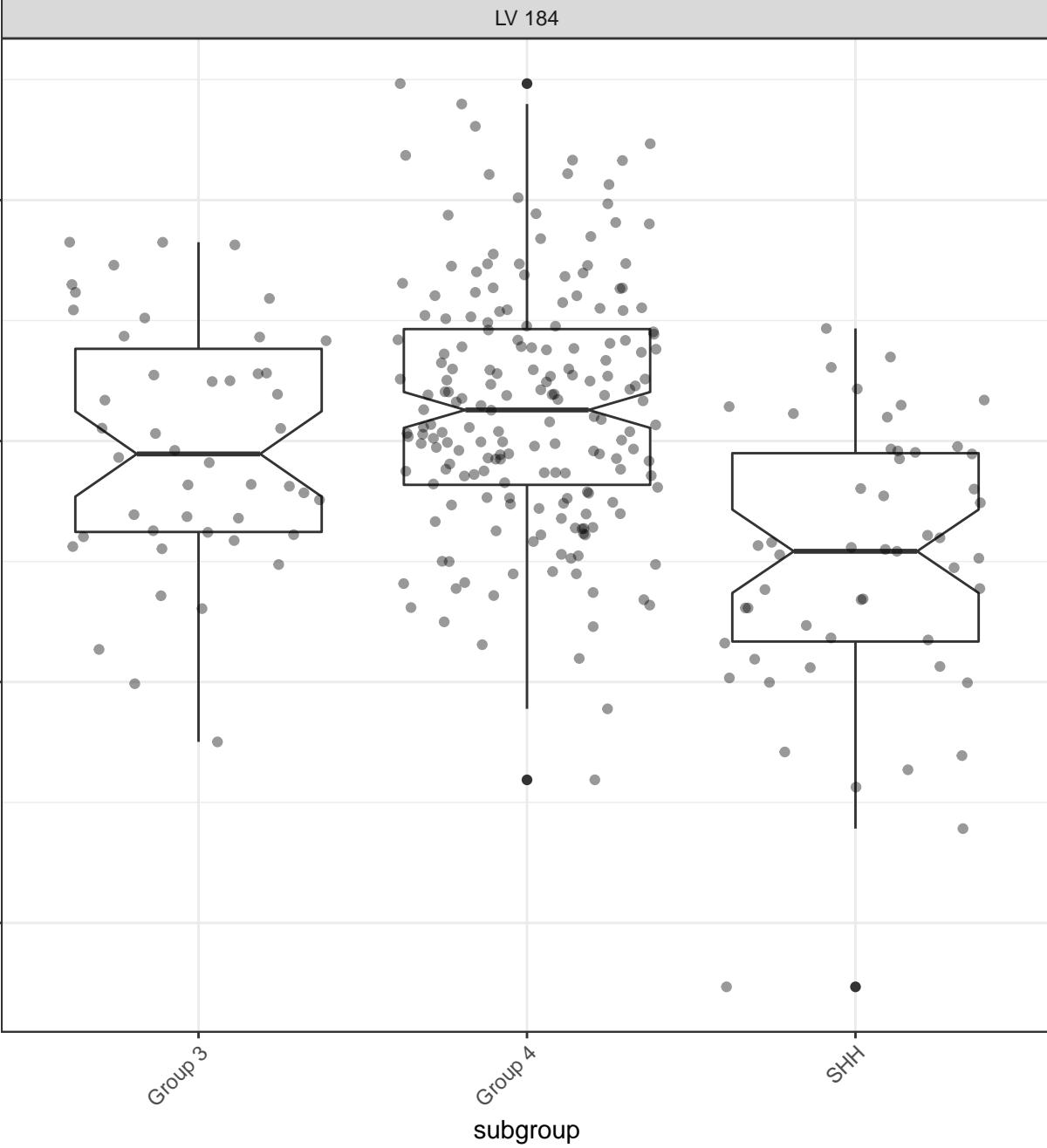
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.3

0.2

0.1

0.0

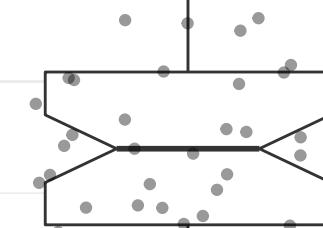
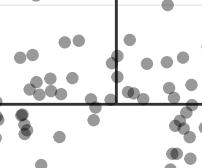
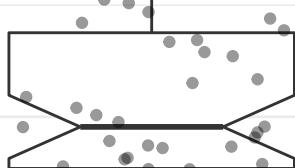
-0.1

Group 3

Group 4

SHH

subgroup



LV 186

Value

0.10

0.05

0.00

-0.05

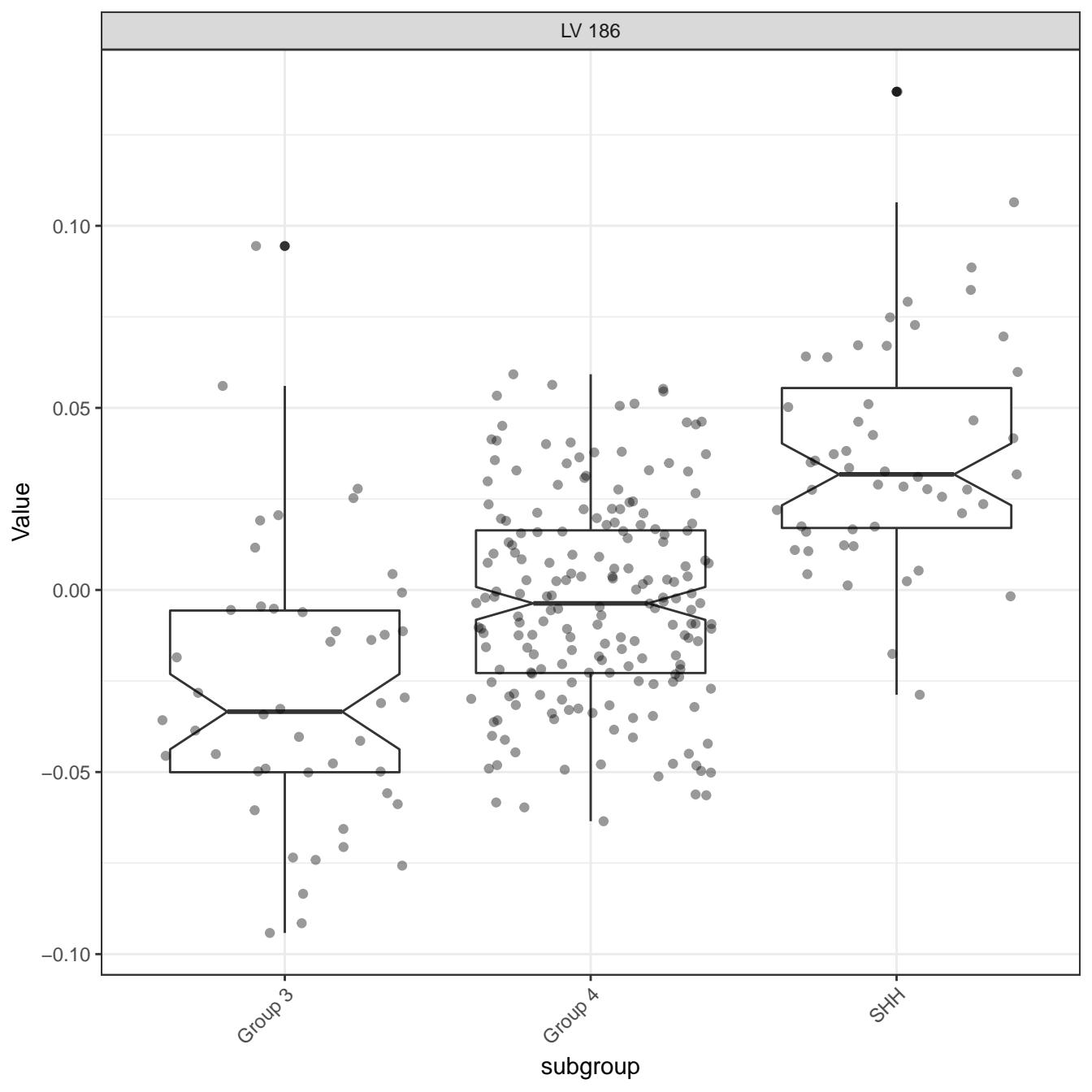
-0.10

Group 3

subgroup

SHH

Group 4



LV 187

Value

0.10

0.05

0.00

-0.05

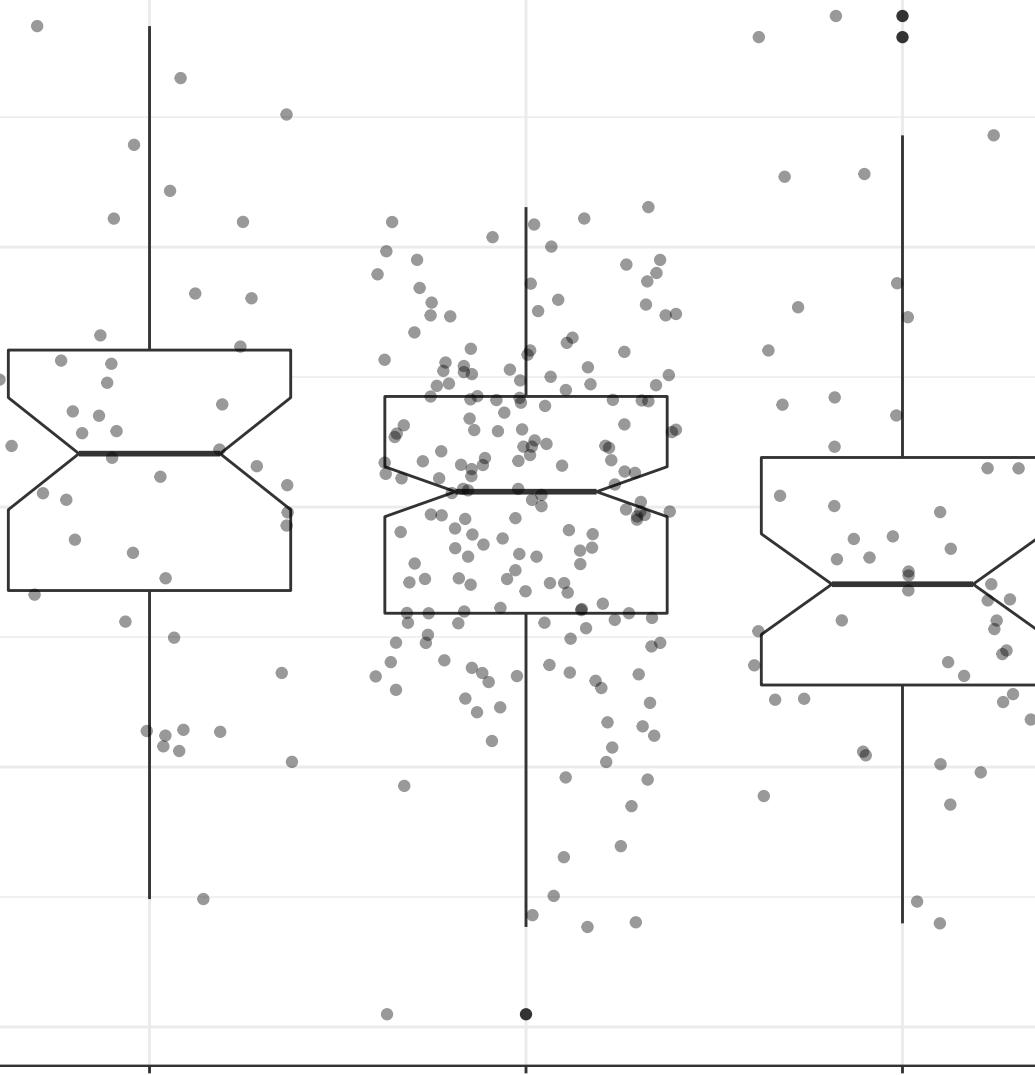
-0.10

Group 3

subgroup

SHH

Group 4



LV 188

Value

0.10

0.05

0.00

-0.05

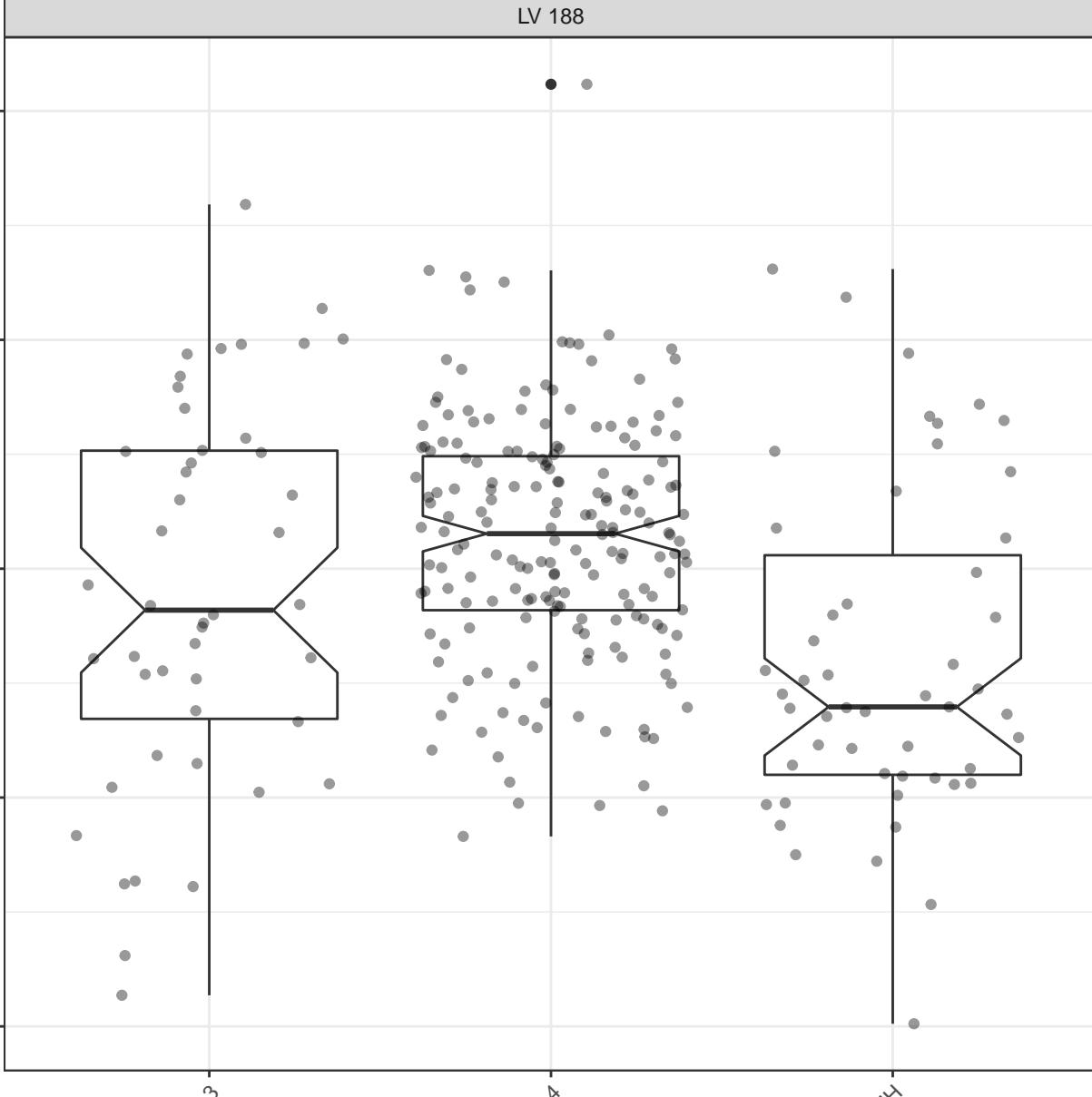
-0.10

Group 3

Group 4

SHH

subgroup



LV 189

Value

0.1

0.0

-0.1

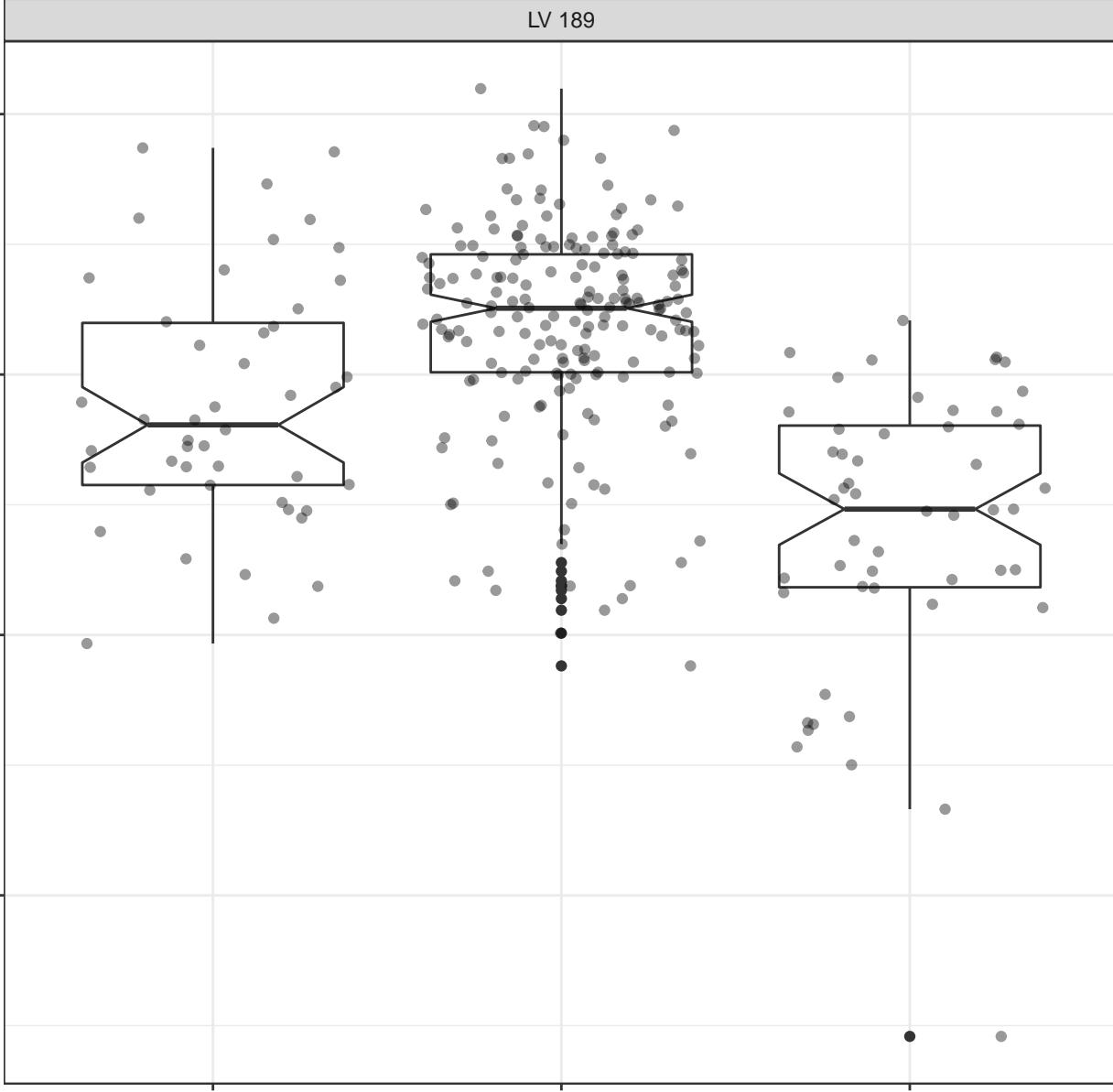
-0.2

Group 3

Group 4

SHH

subgroup



LV 190

Value

0.05

0.00

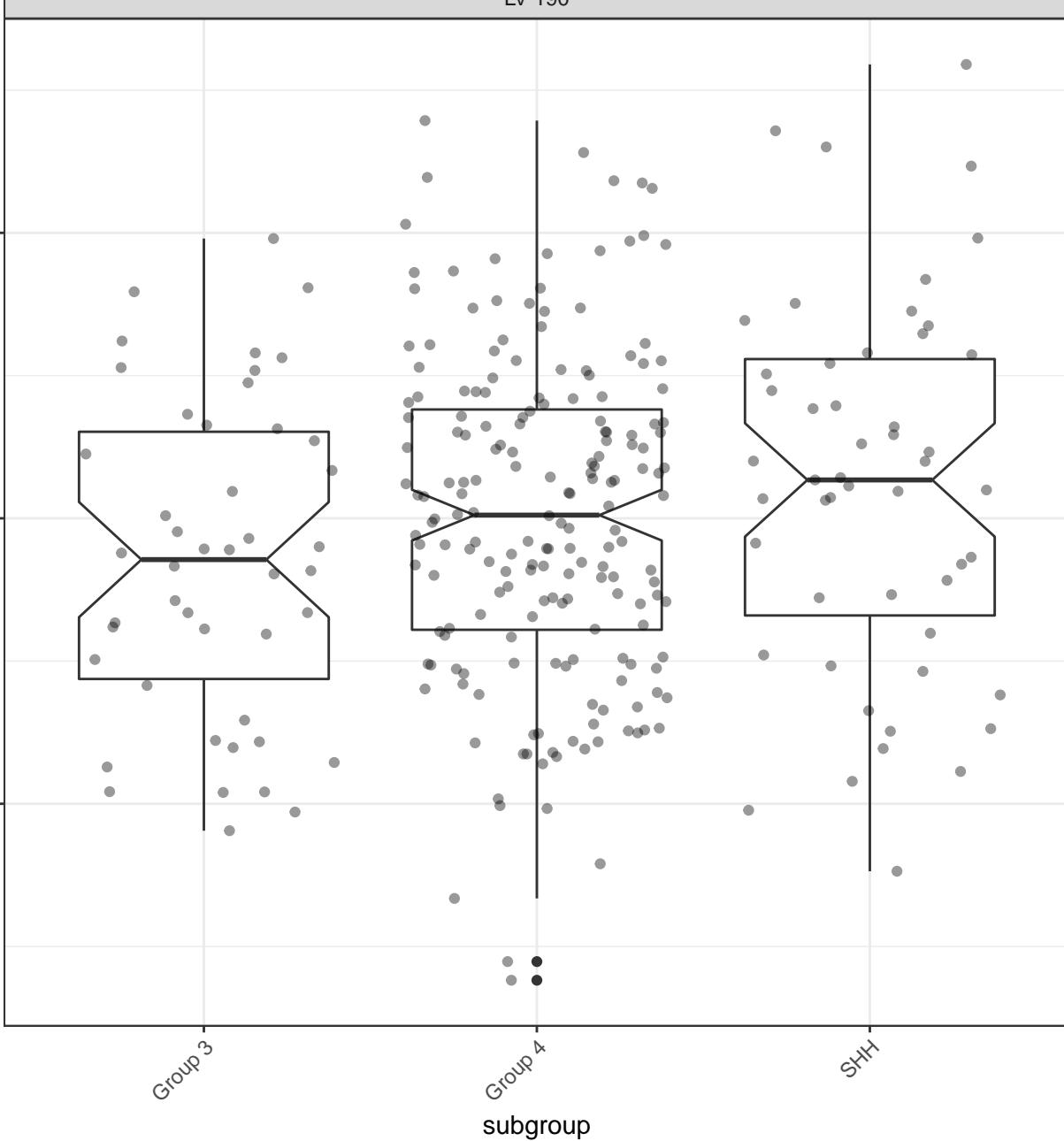
-0.05

Group 3

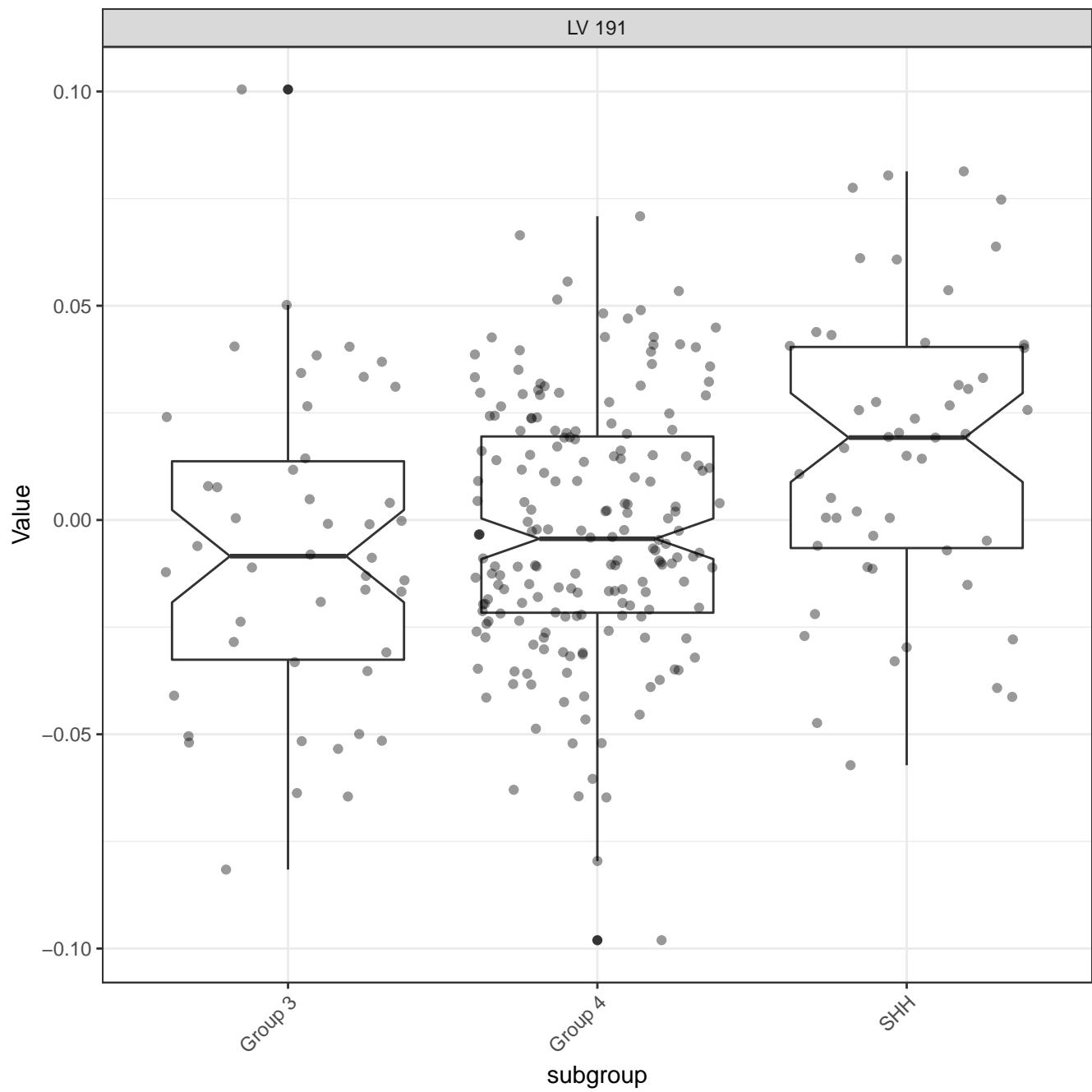
Group 4

SHH

subgroup



LV 191



LV 192

Value

0.10

0.05

0.00

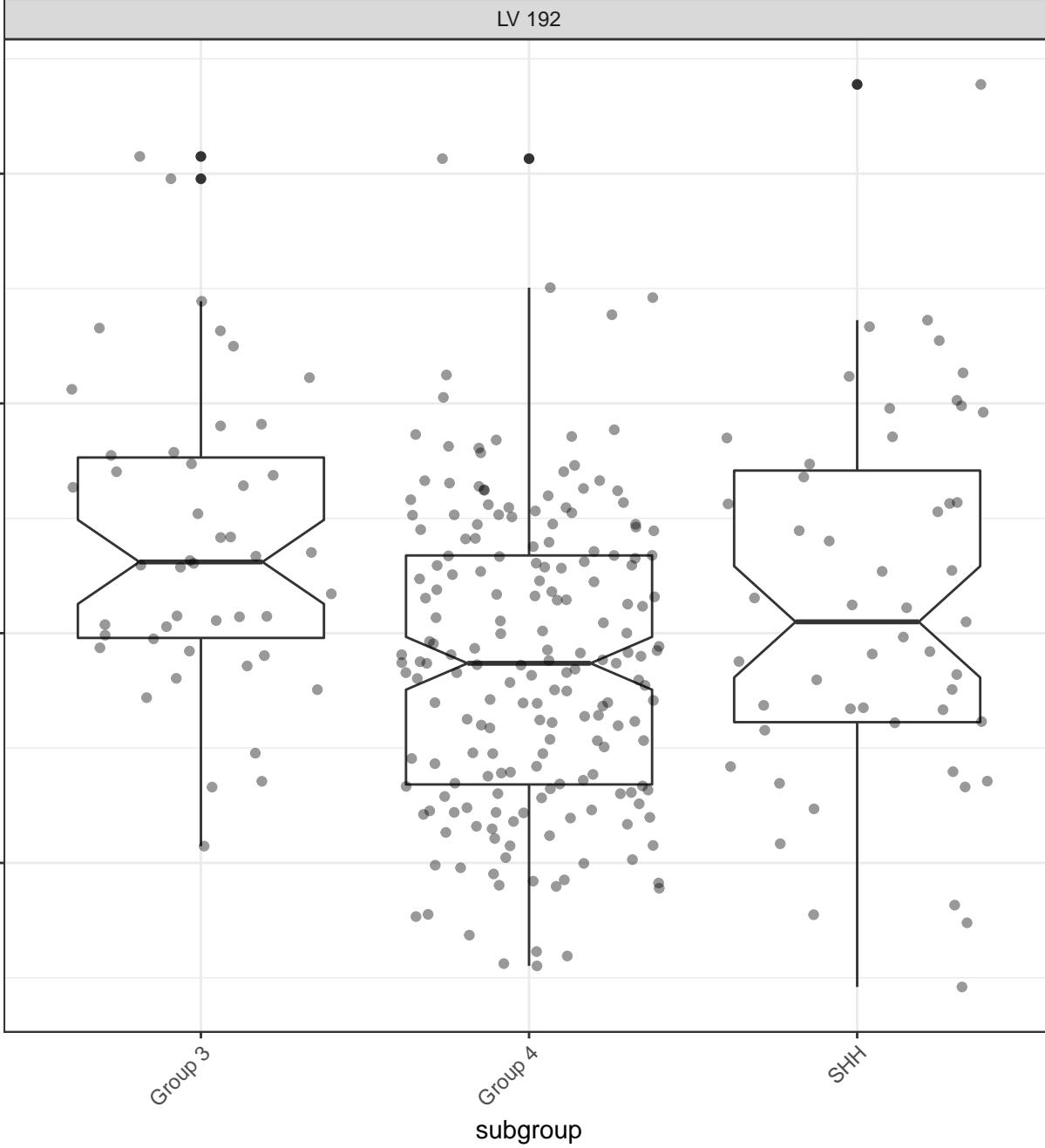
-0.05

Group 3

Group 4

SHH

subgroup



LV 193

Value

0.10

0.05

0.00

-0.05

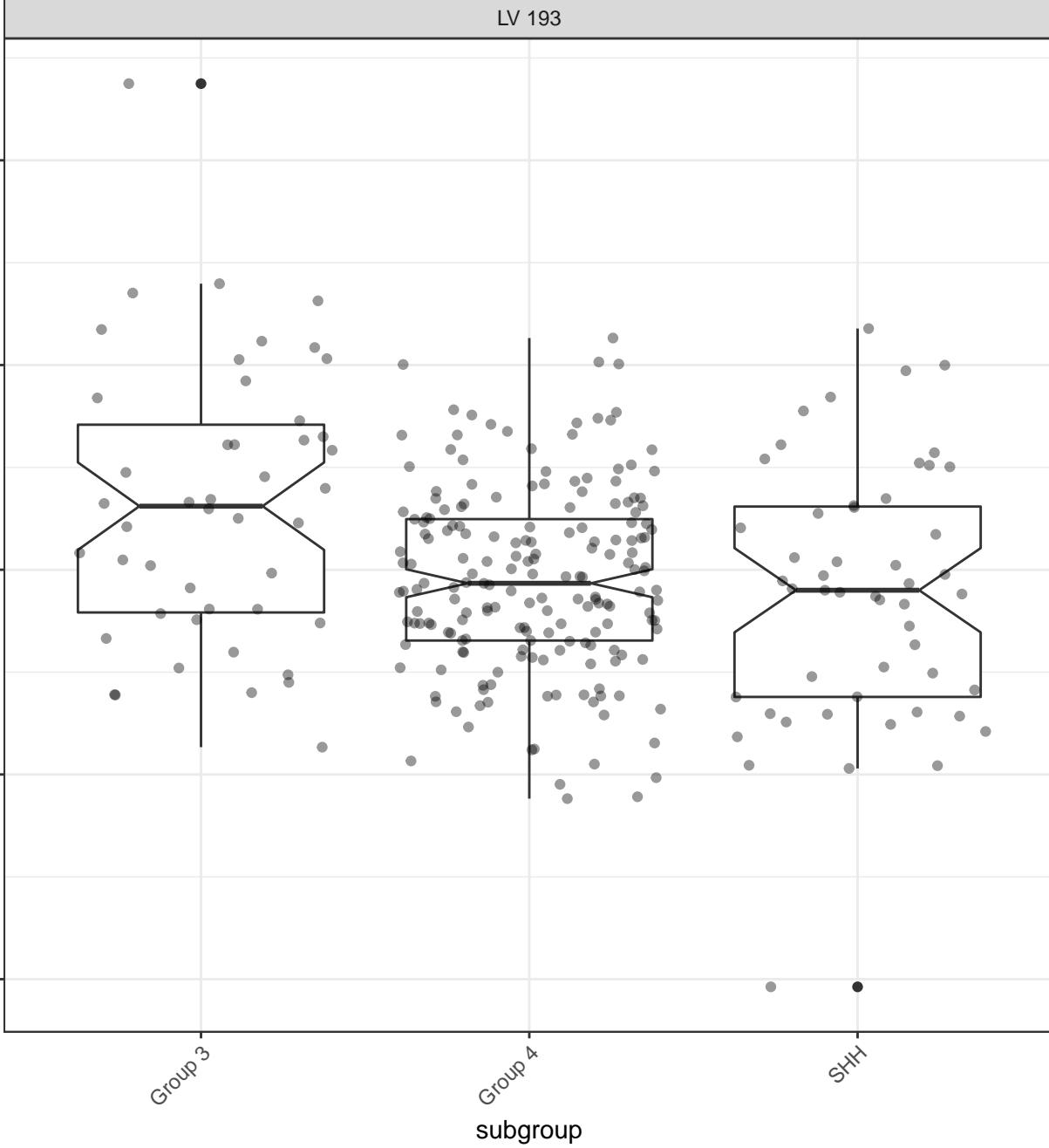
-0.10

Group 3

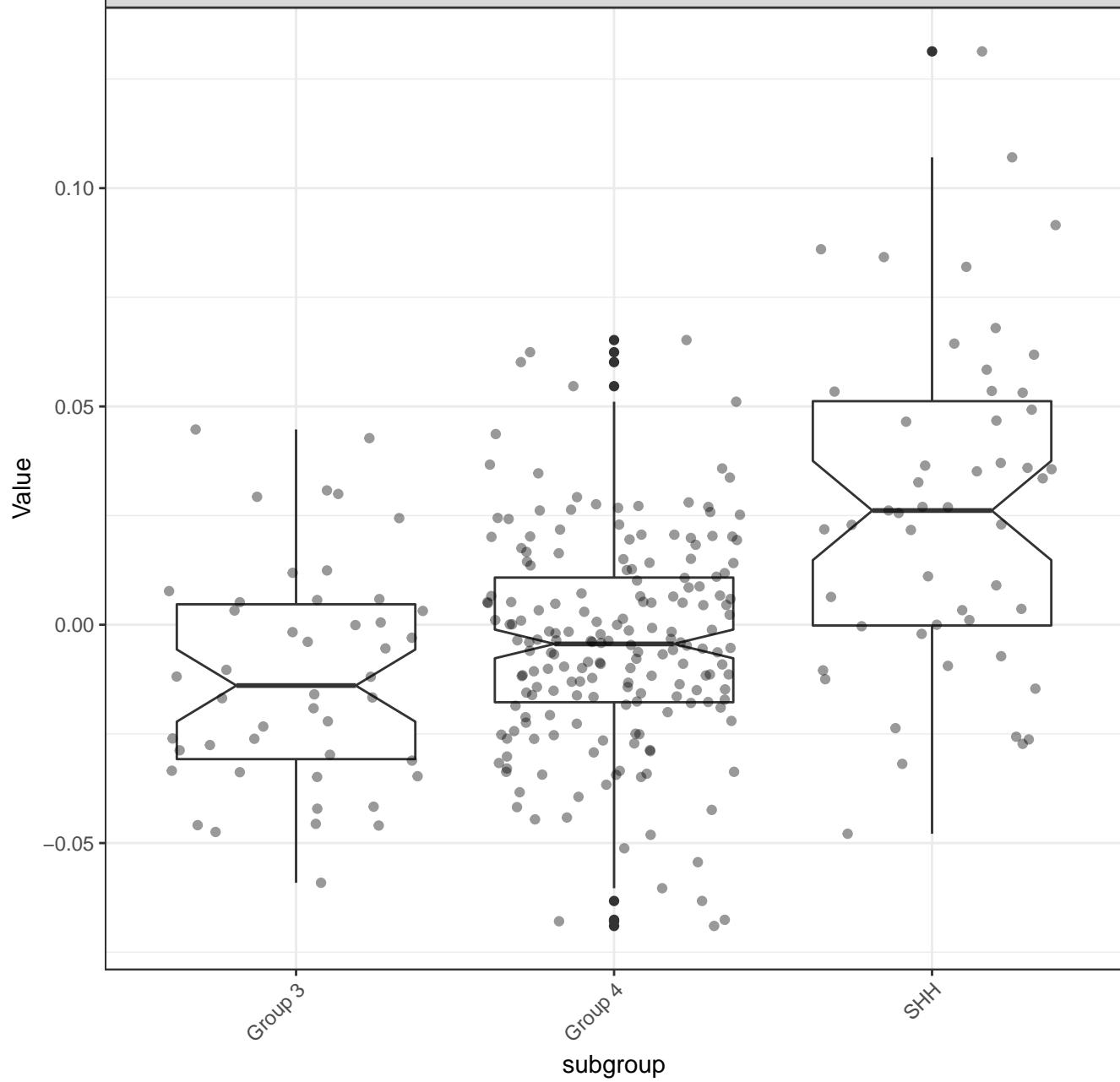
Group 4

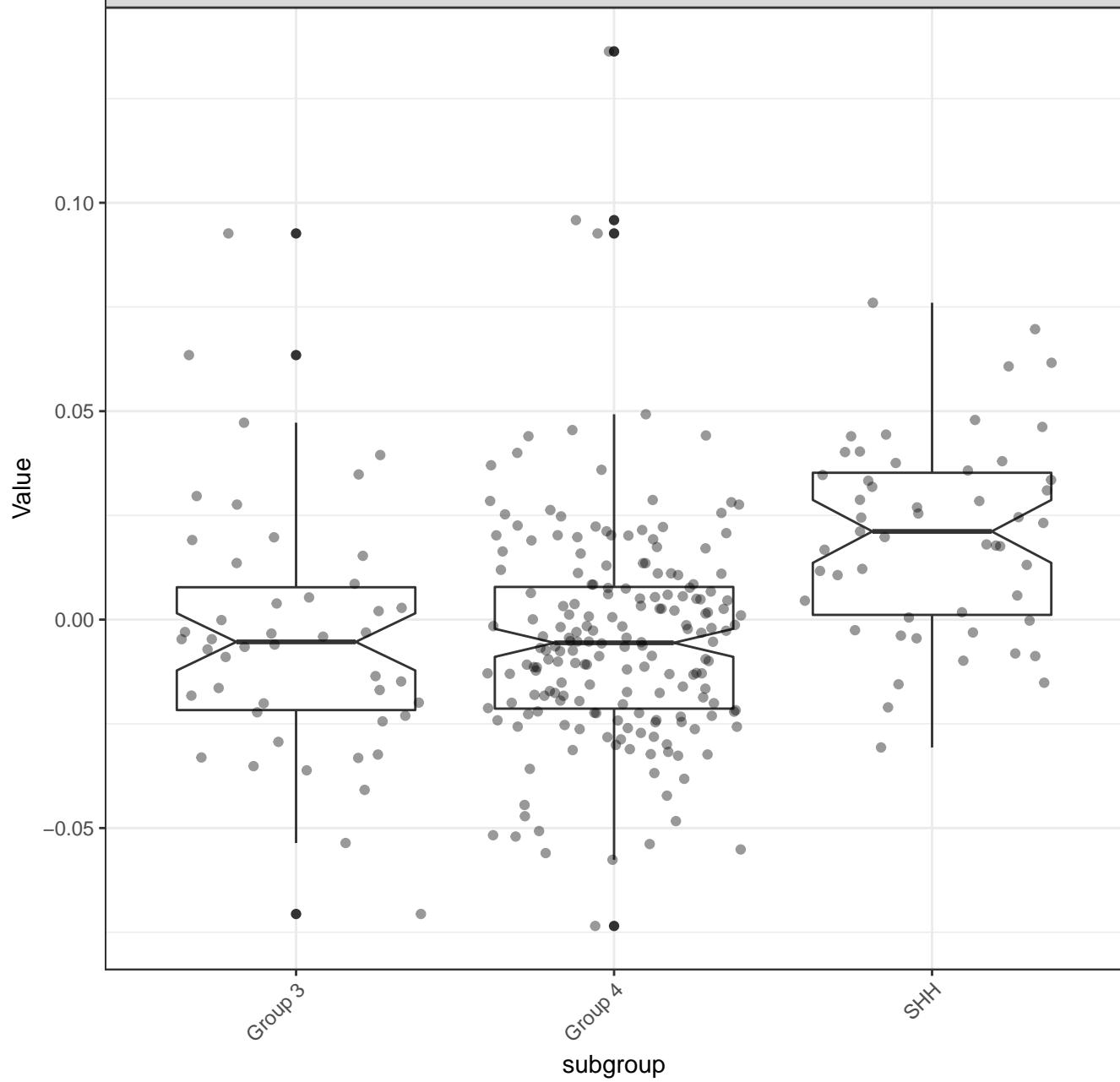
SHH

subgroup



LV 194





LV 196

Value

0.10

0.05

0.00

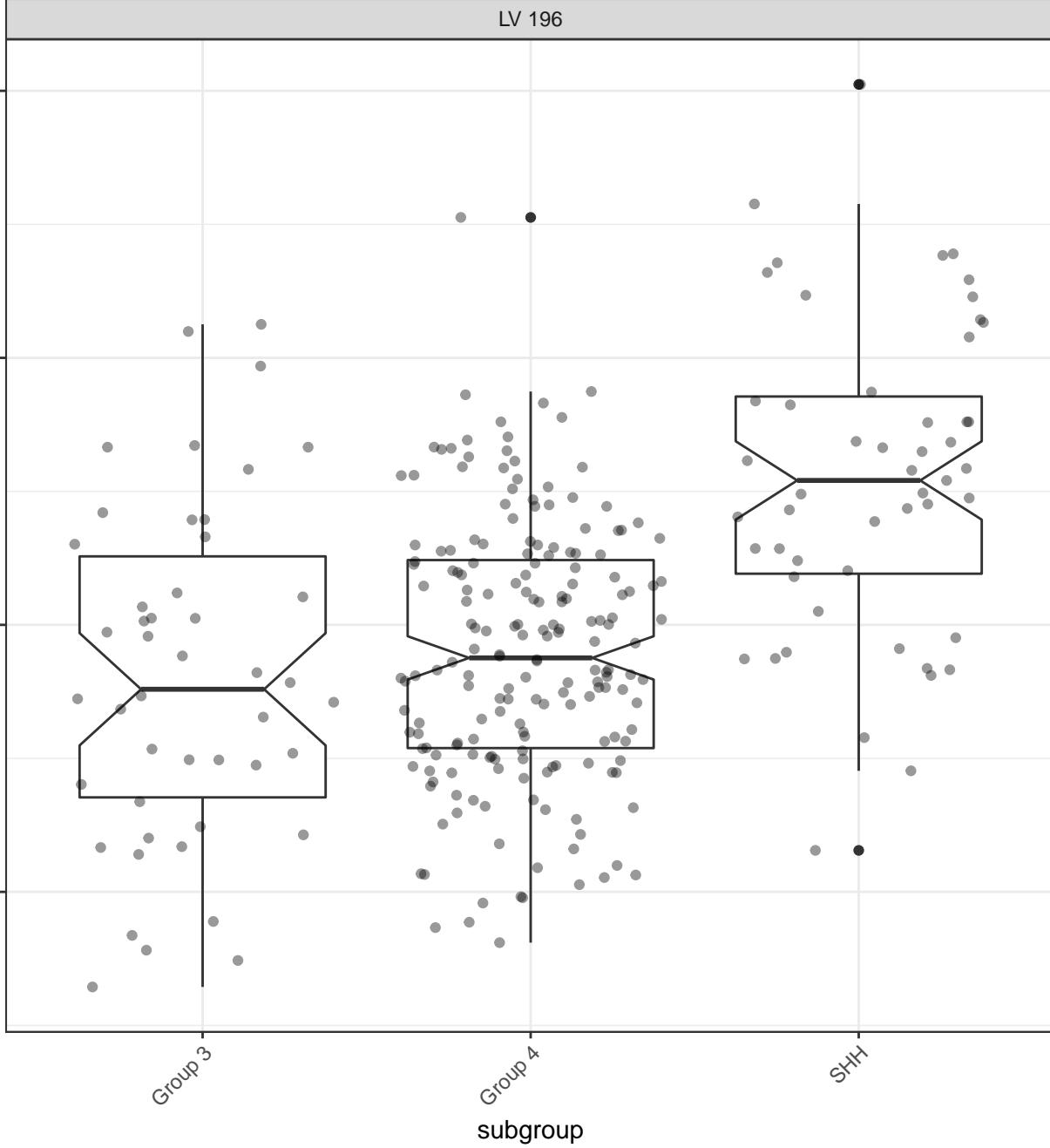
-0.05

Group 3

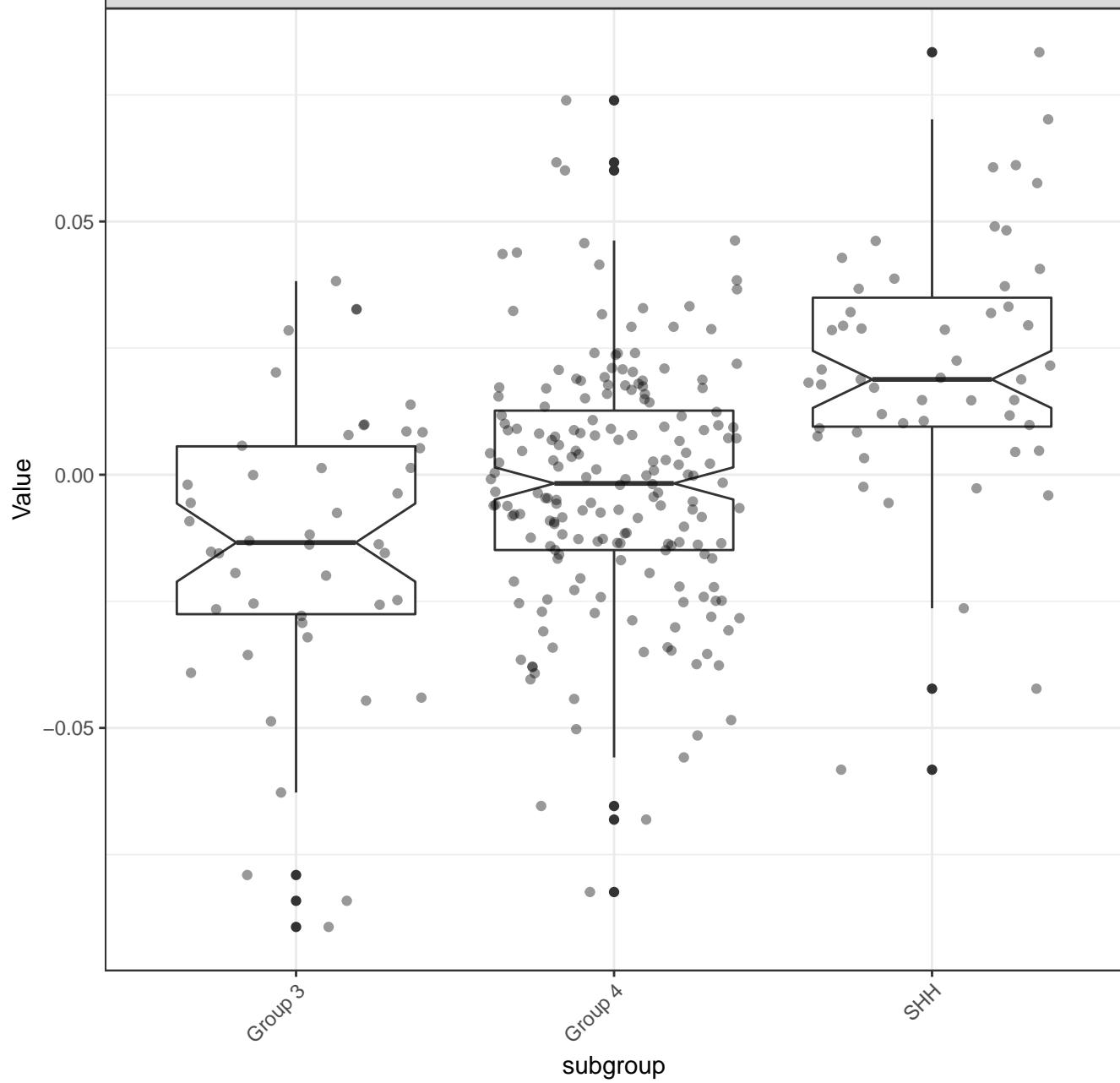
Group 4

SHH

subgroup



197,KEGG_ERBB_SIGNALING_PATHWAY



LV 198

Value

0.05

0.00

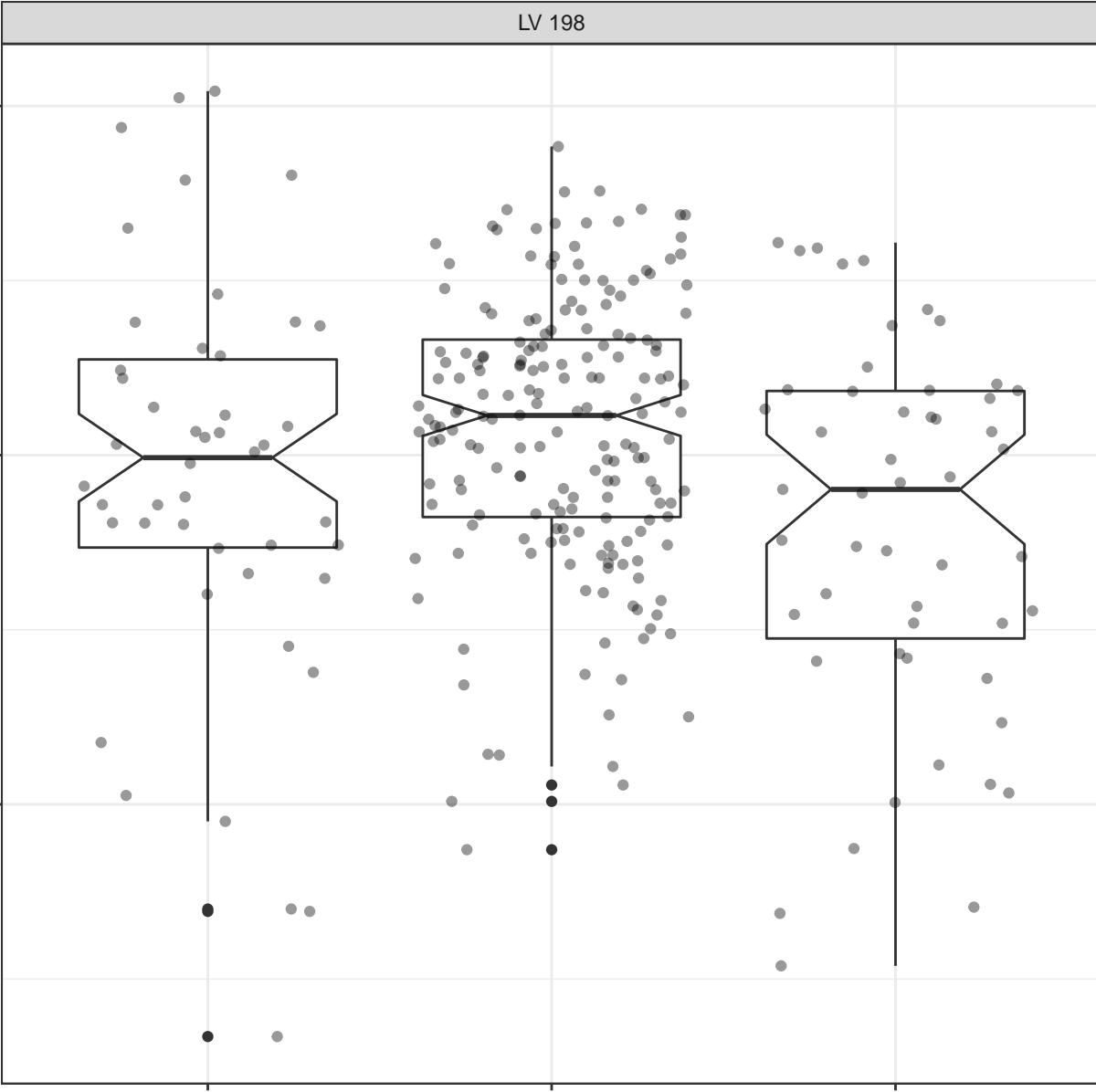
-0.05

Group 3

subgroup

Group 4

SHH



LV 199

Value

0.05

0.00

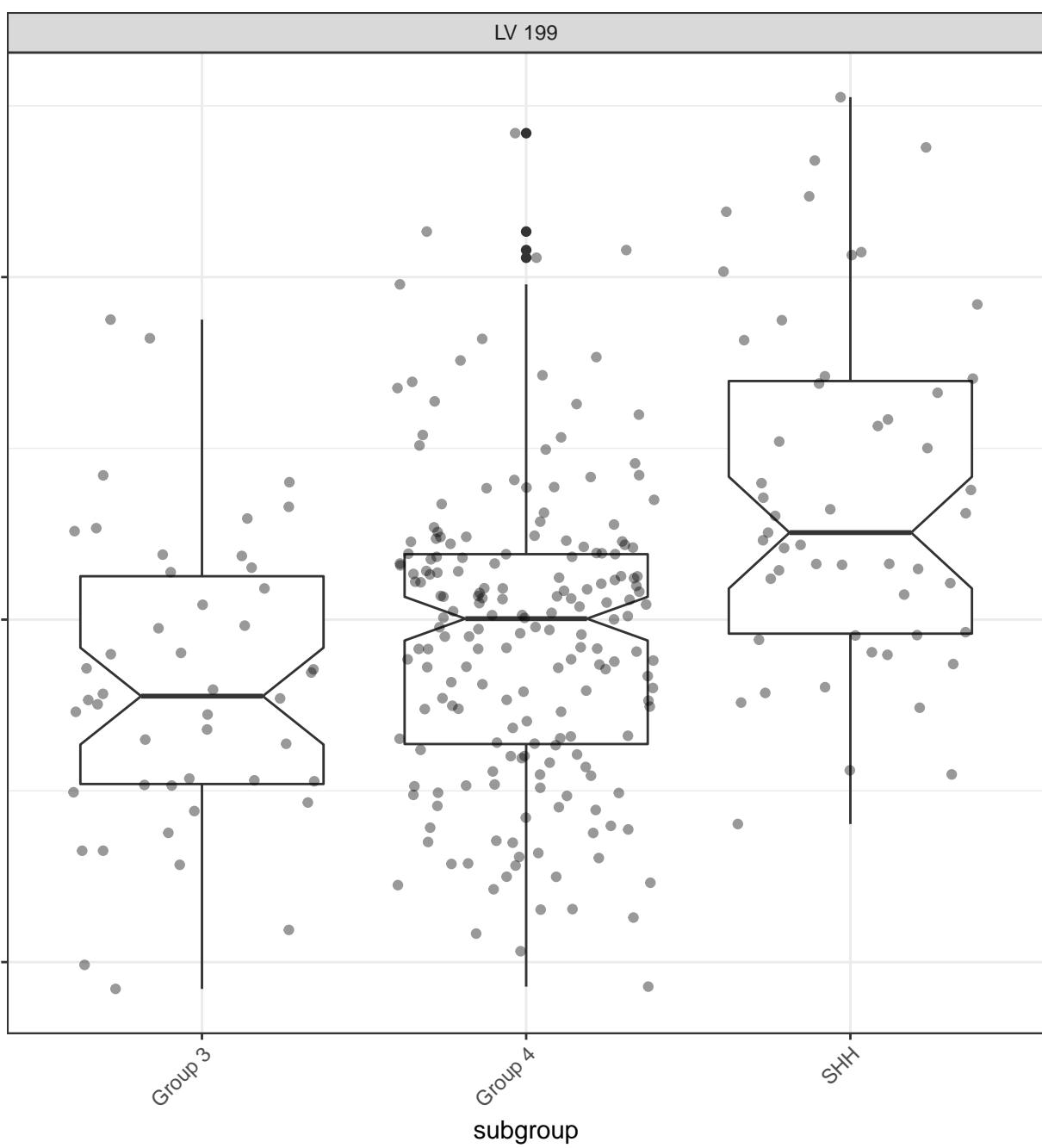
-0.05

Group 3

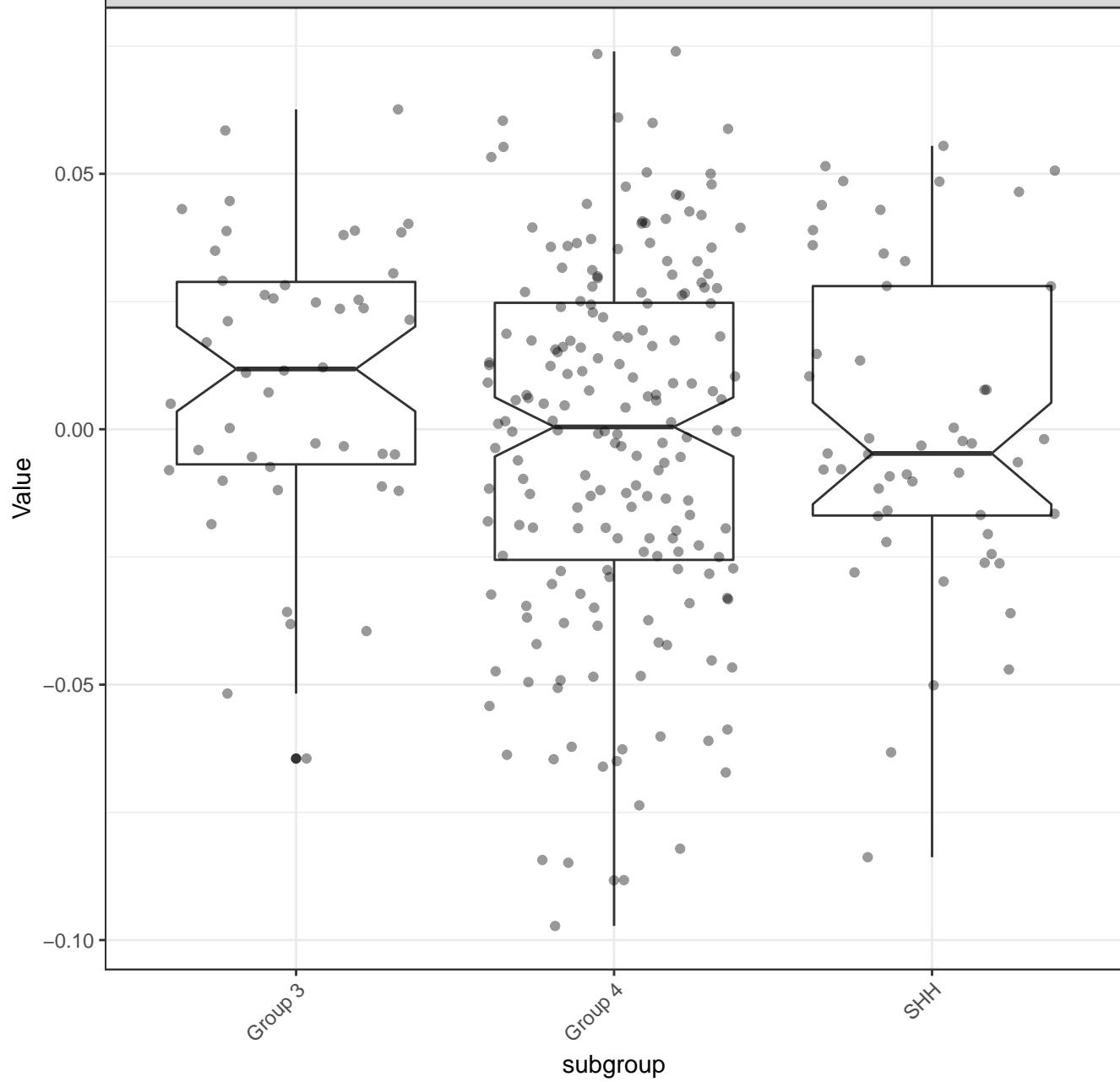
Group 4

SHH

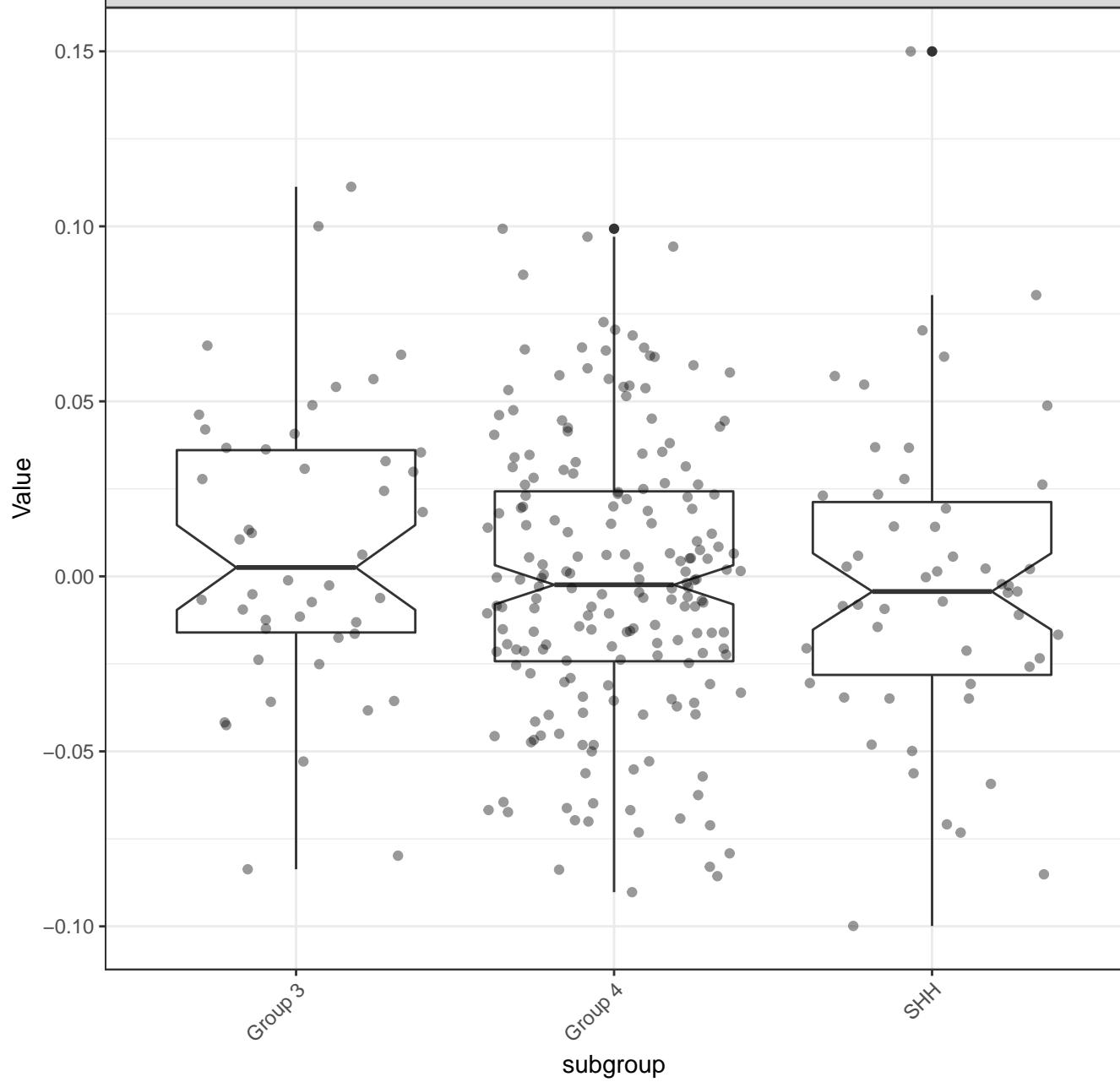
subgroup



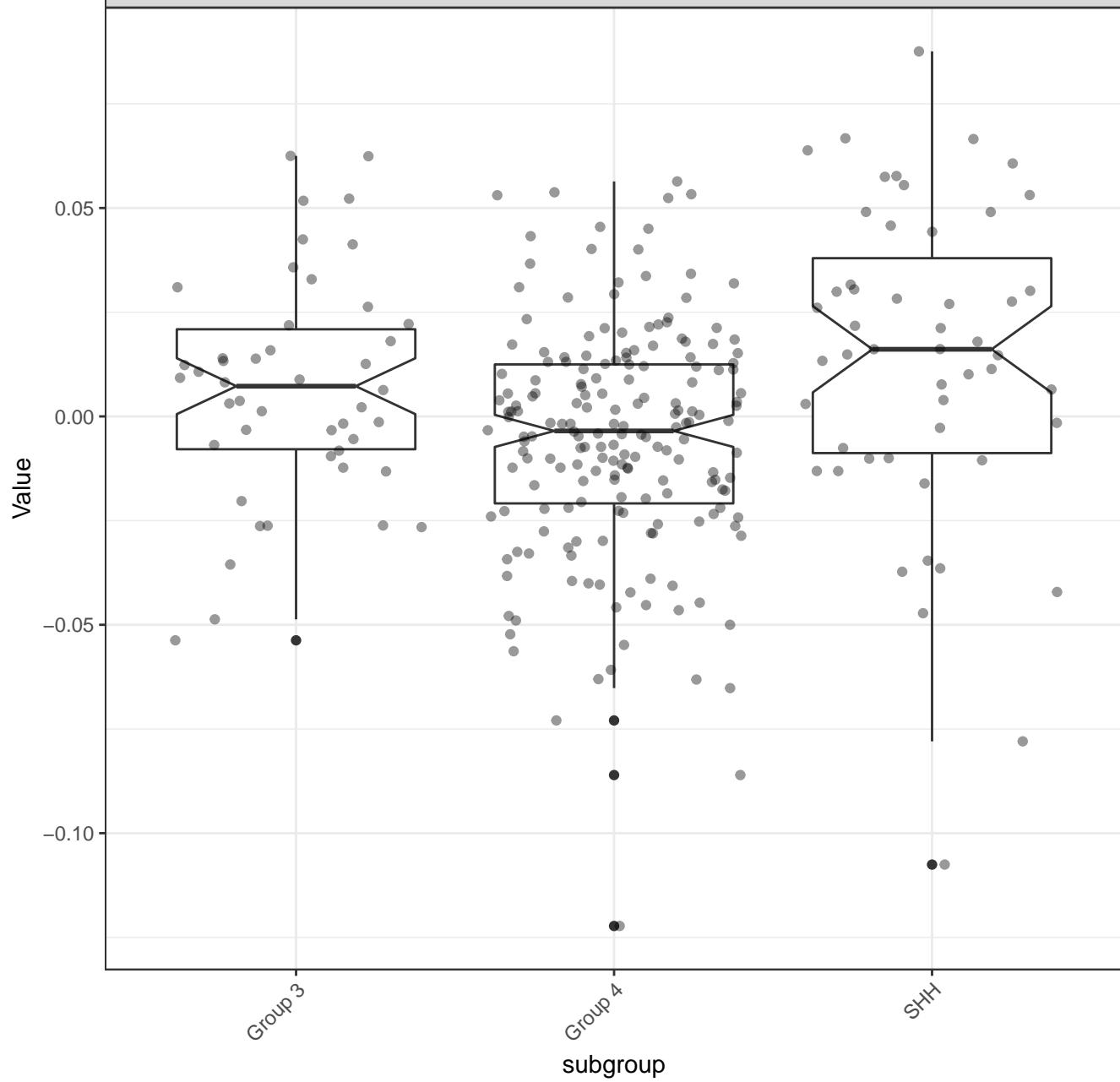
LV 200



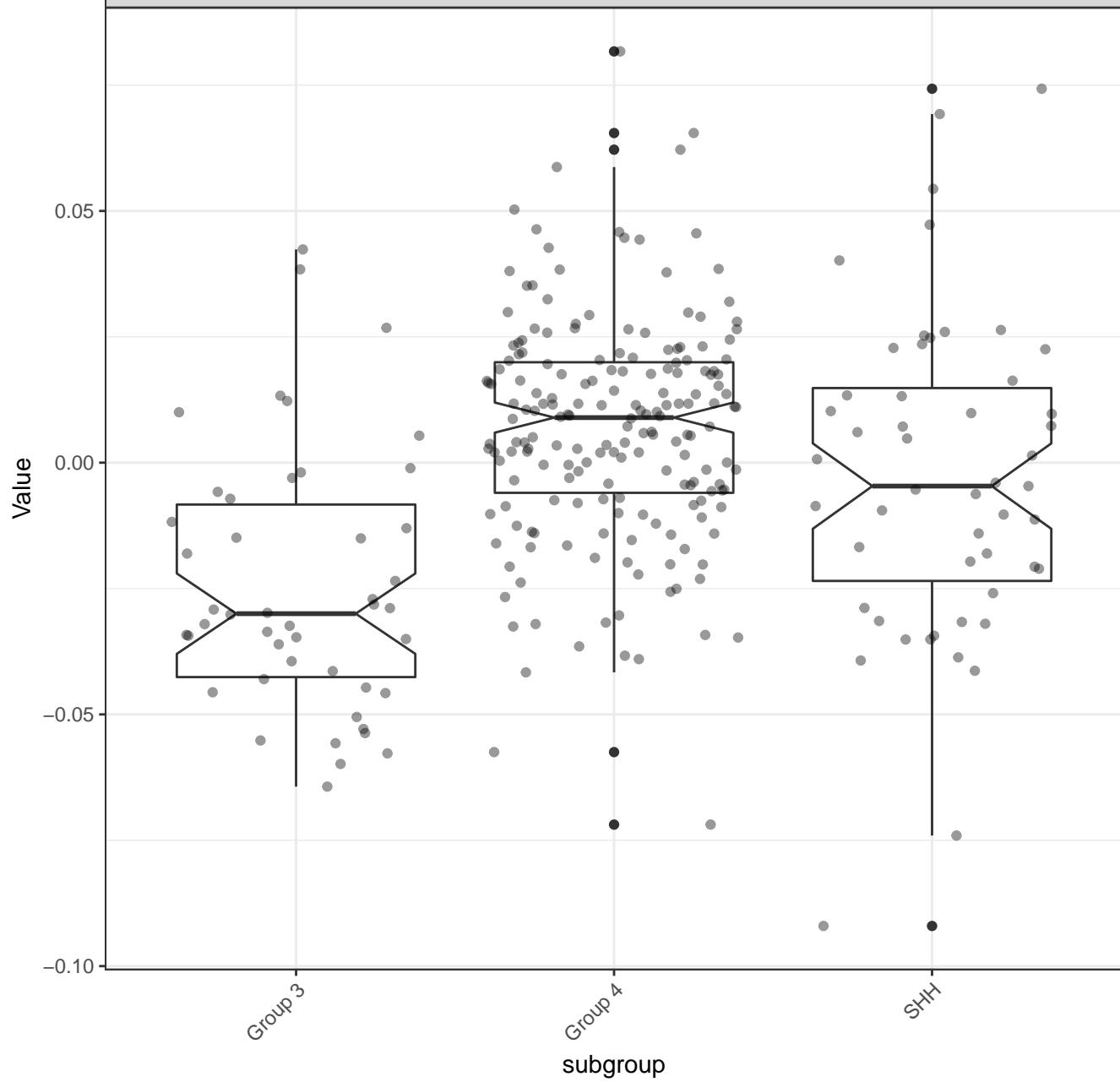
201,MIPS_MEDIATOR_COMPLEX



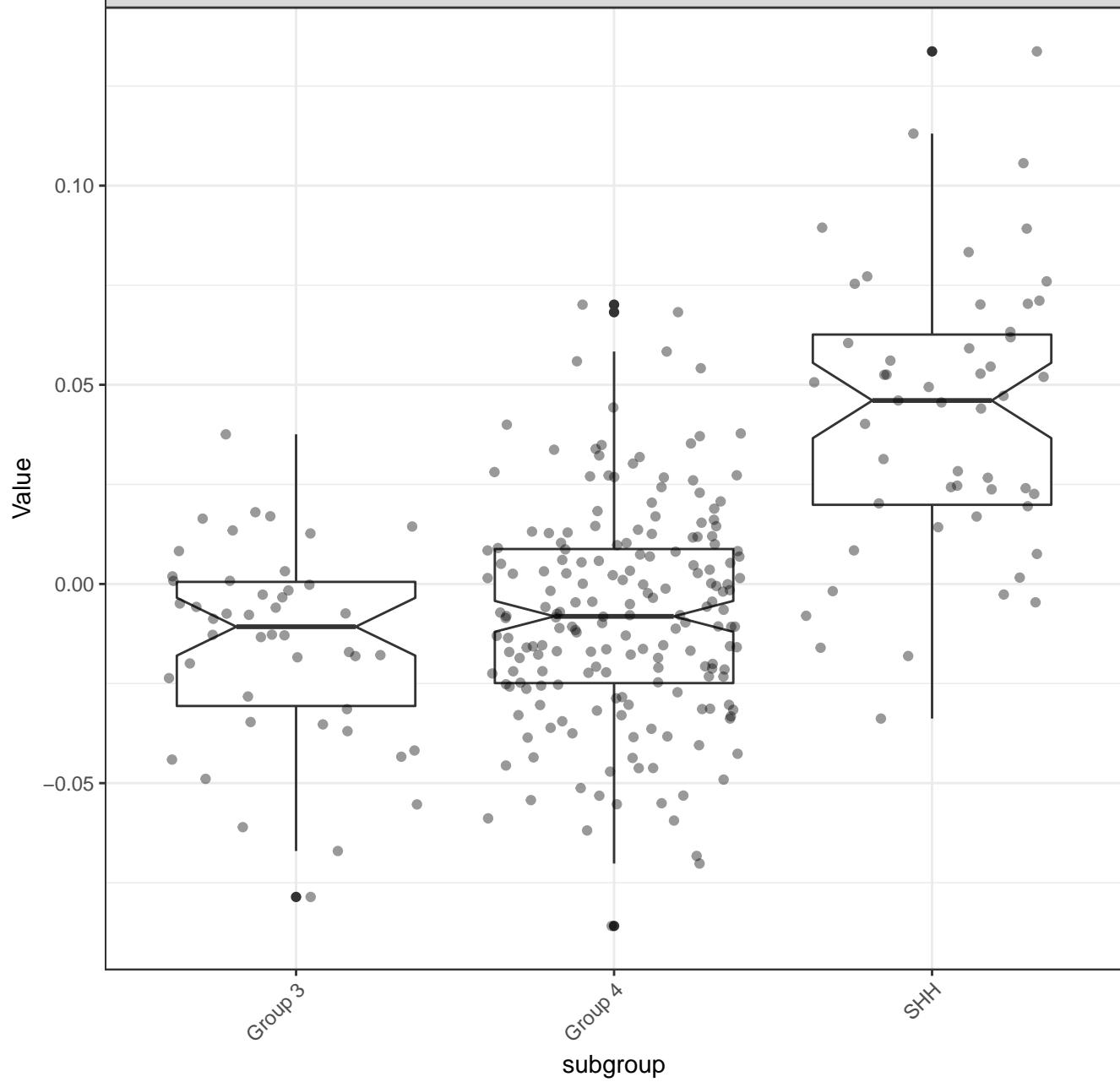
LV 202



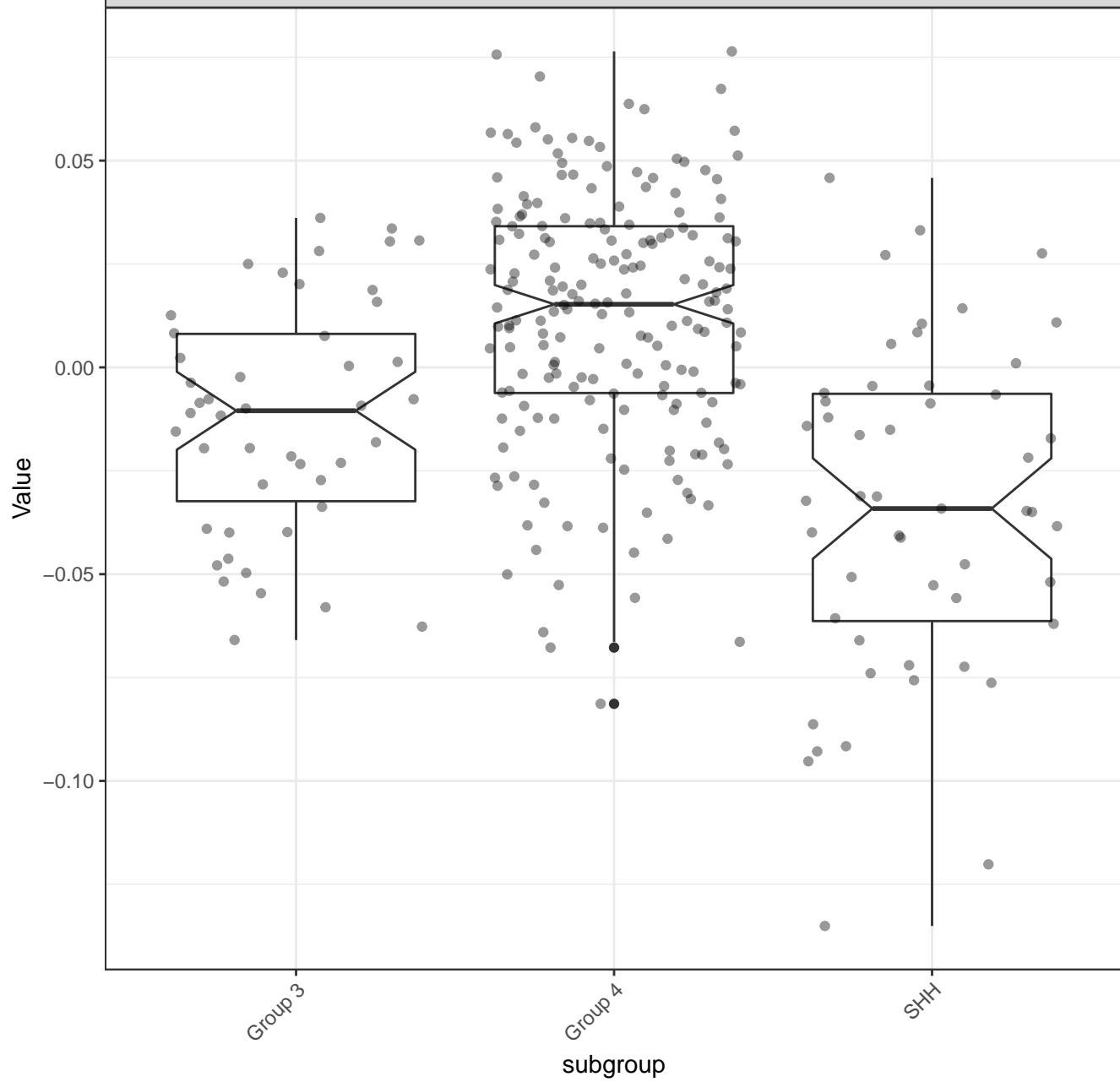
LV 203



LV 204



LV 205



LV 206

Value

0.05

0.00

-0.05

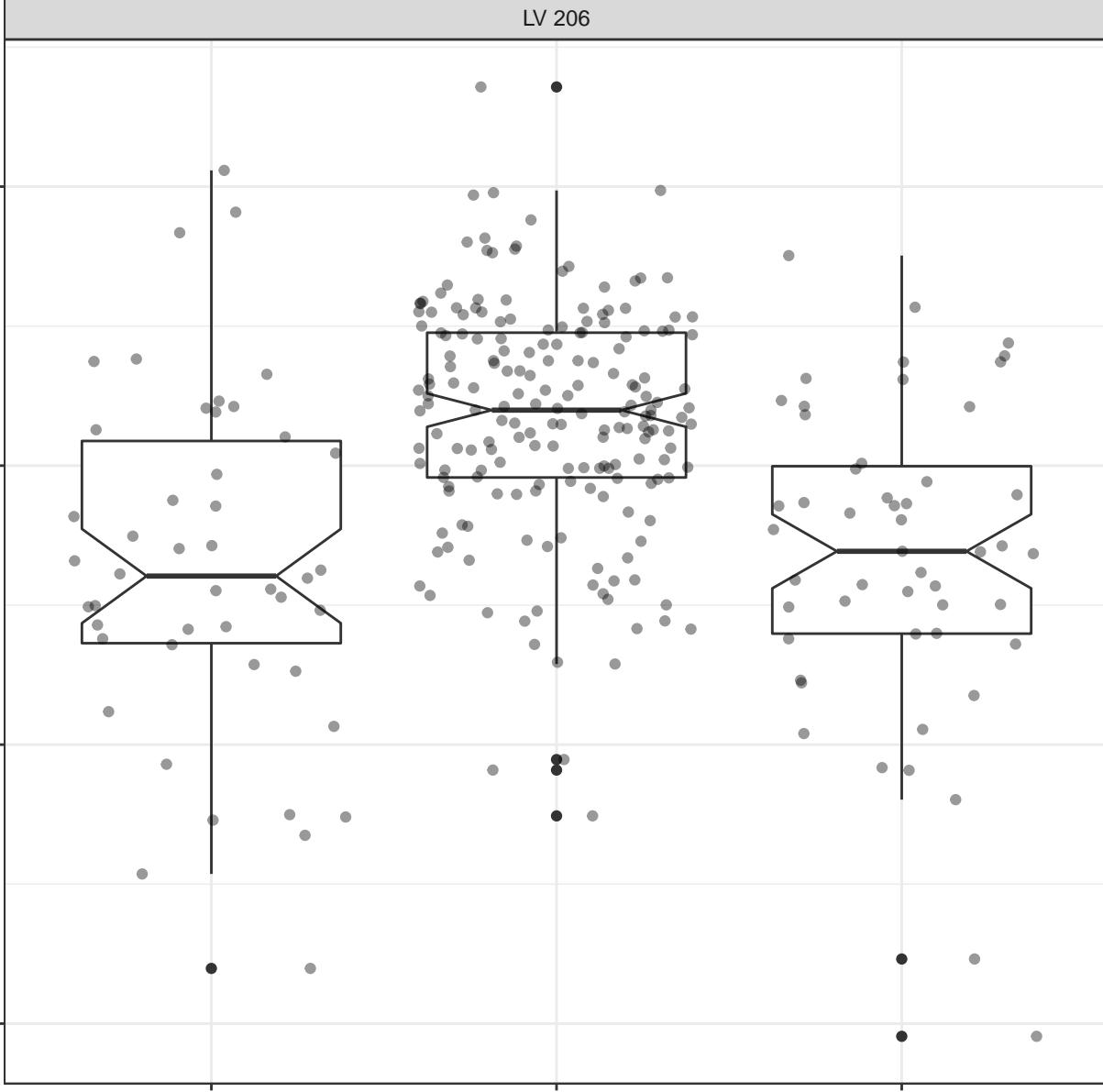
-0.10

Group 3

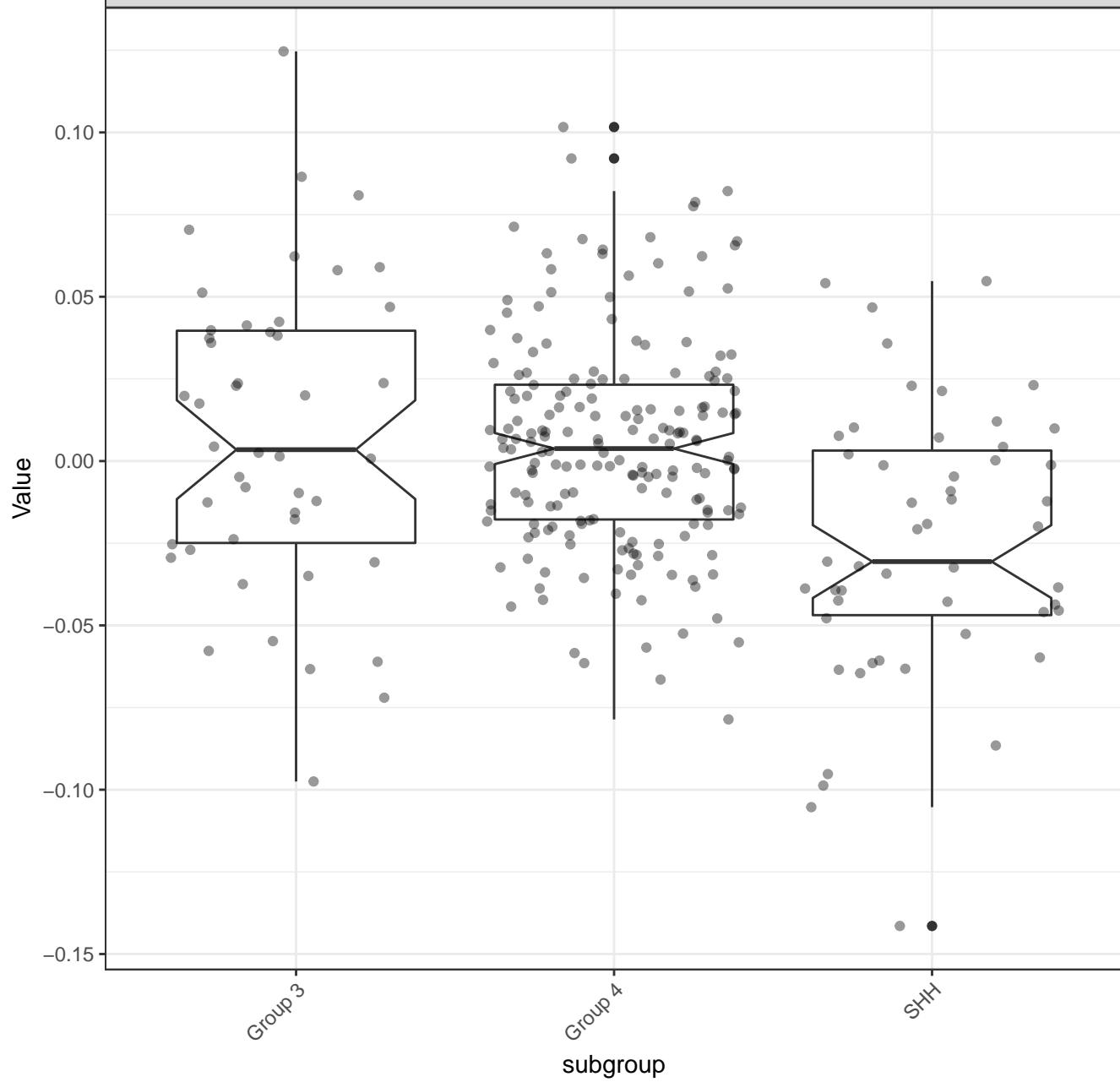
Group 4

SHH

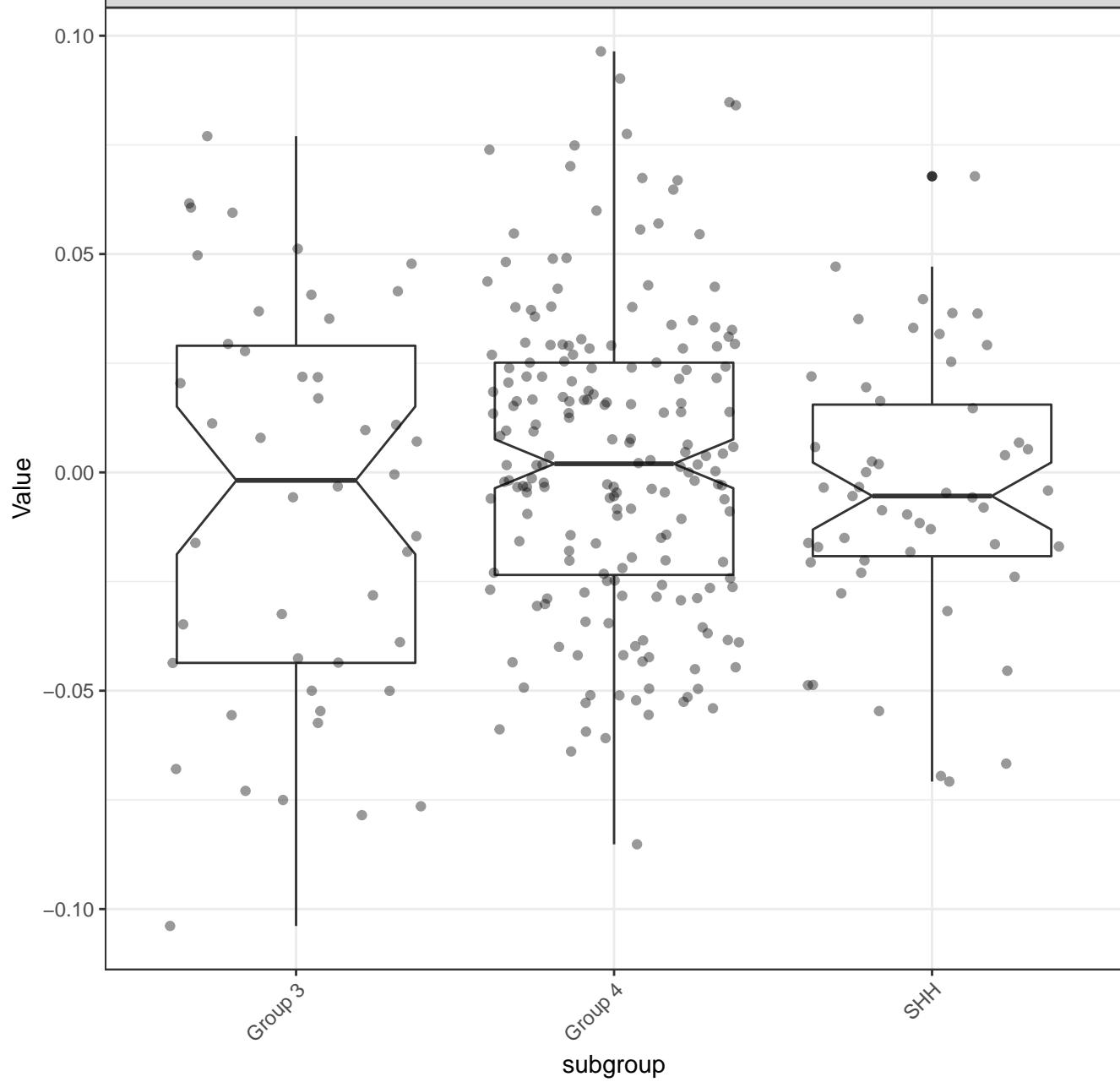
subgroup



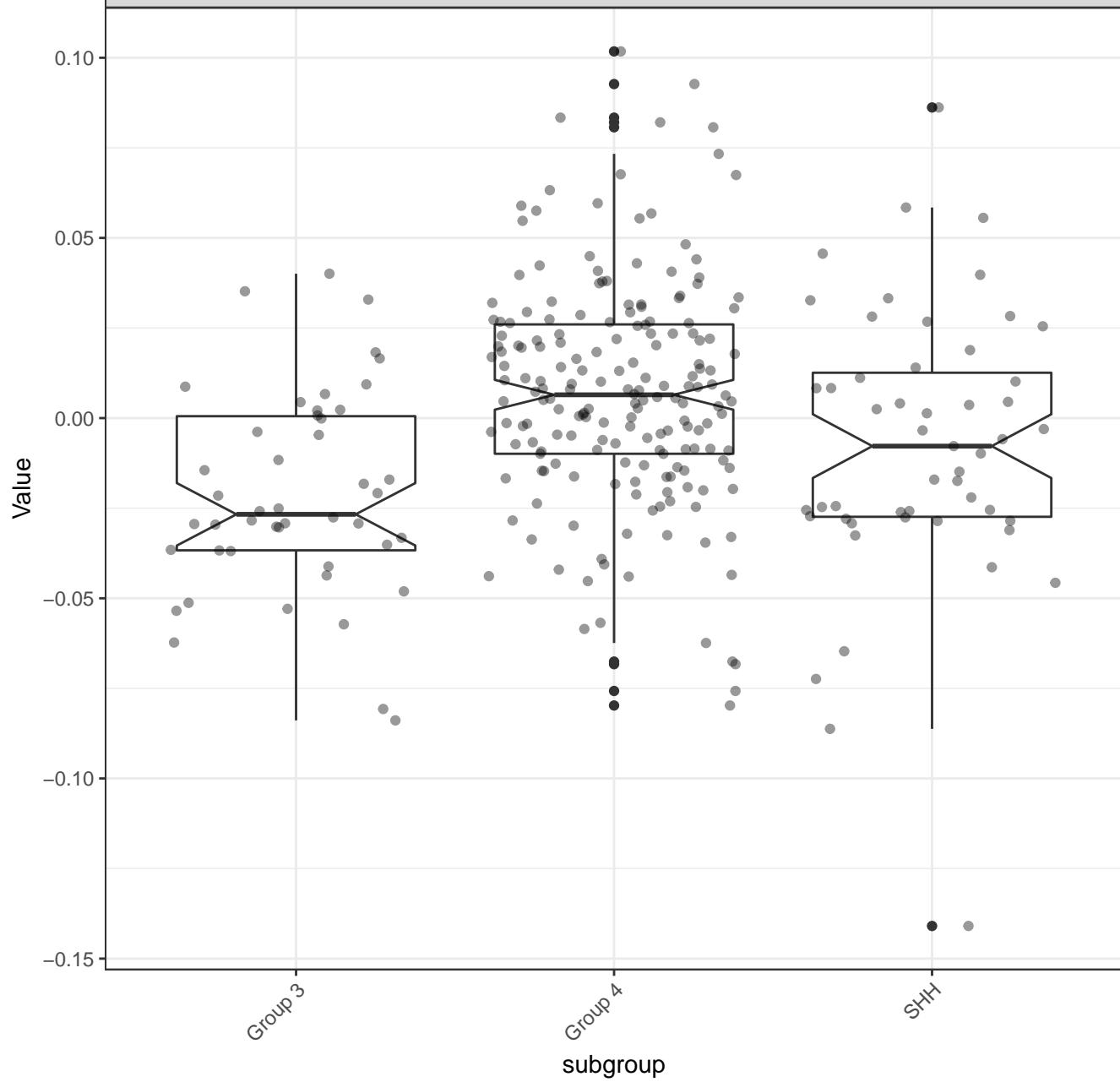
LV 207



LV 208

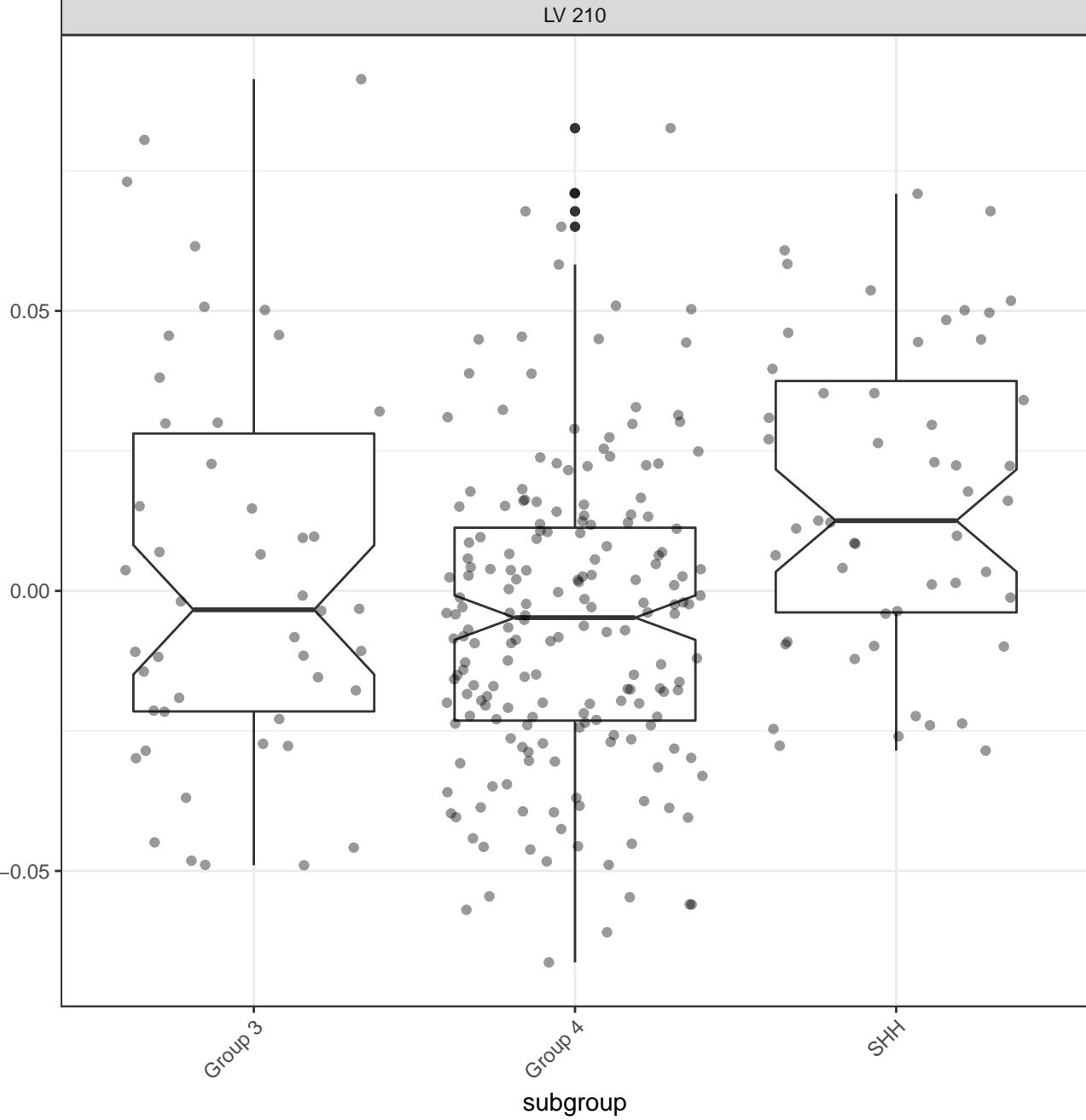


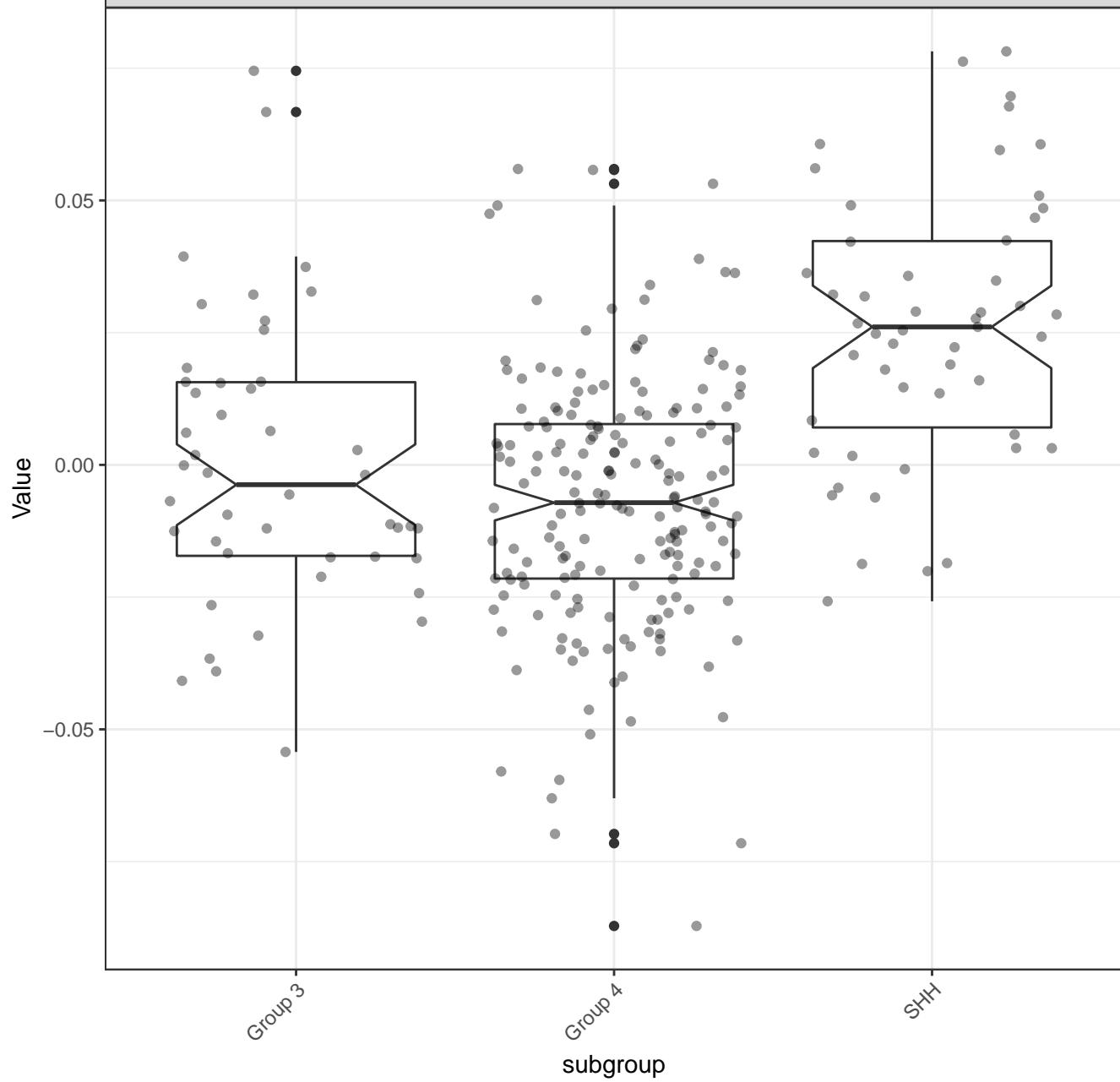
LV 209



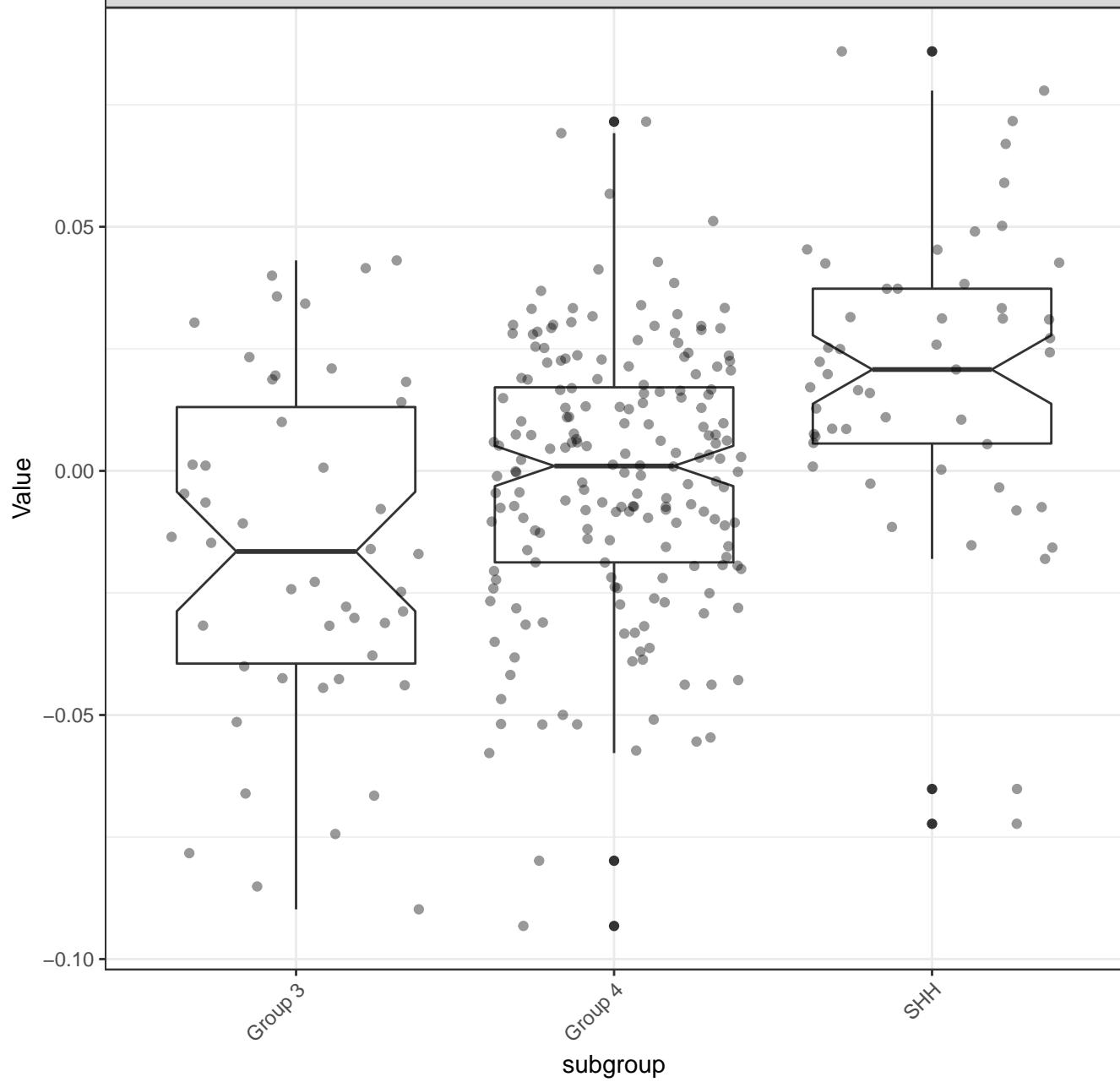
LV 210

Value





LV 212



LV 213

Value

0.10

0.05

0.00

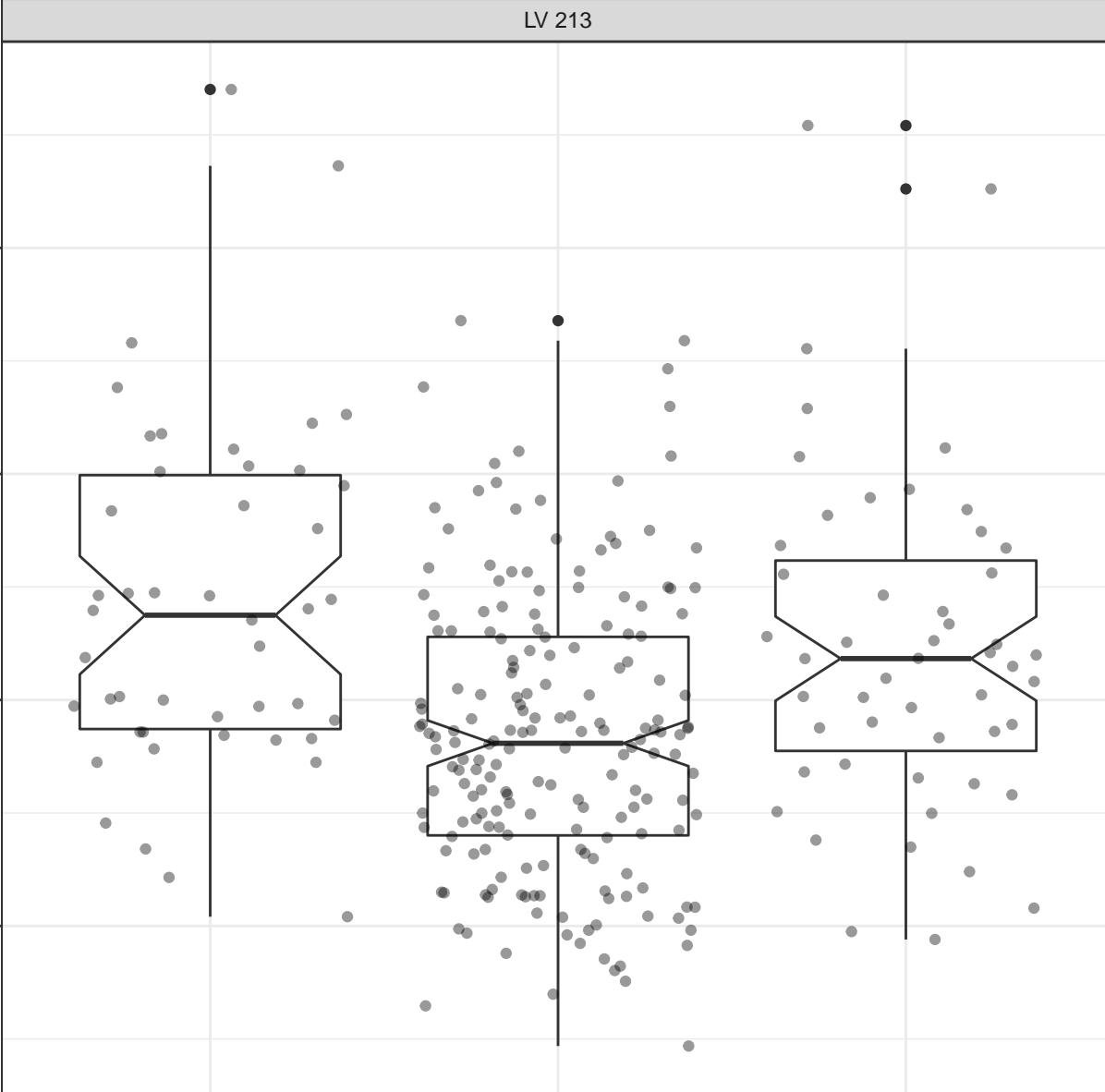
-0.05

Group 3

subgroup

Group 4

SHH



LV 214

Value

0.05

0.00

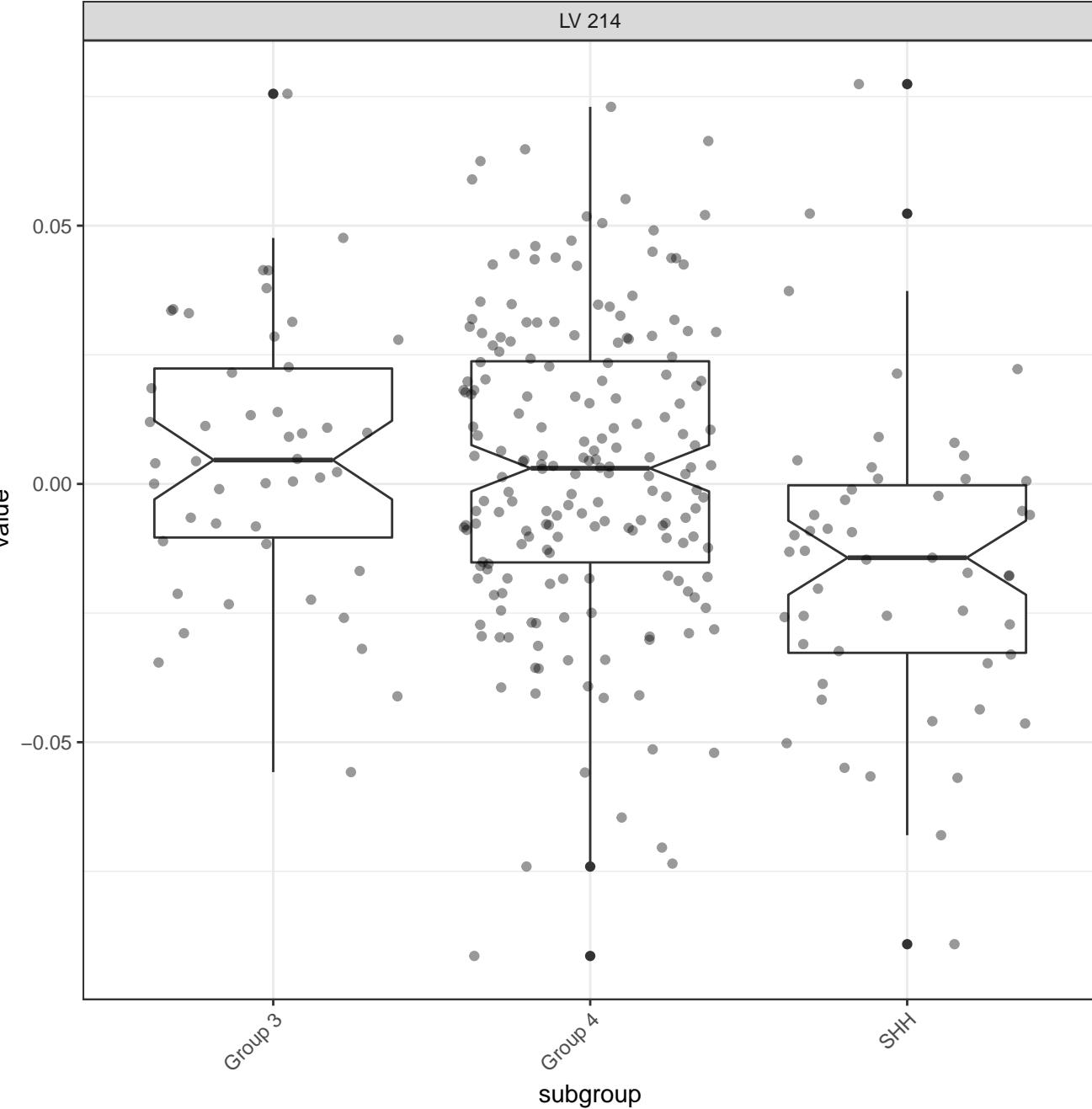
-0.05

Group 3

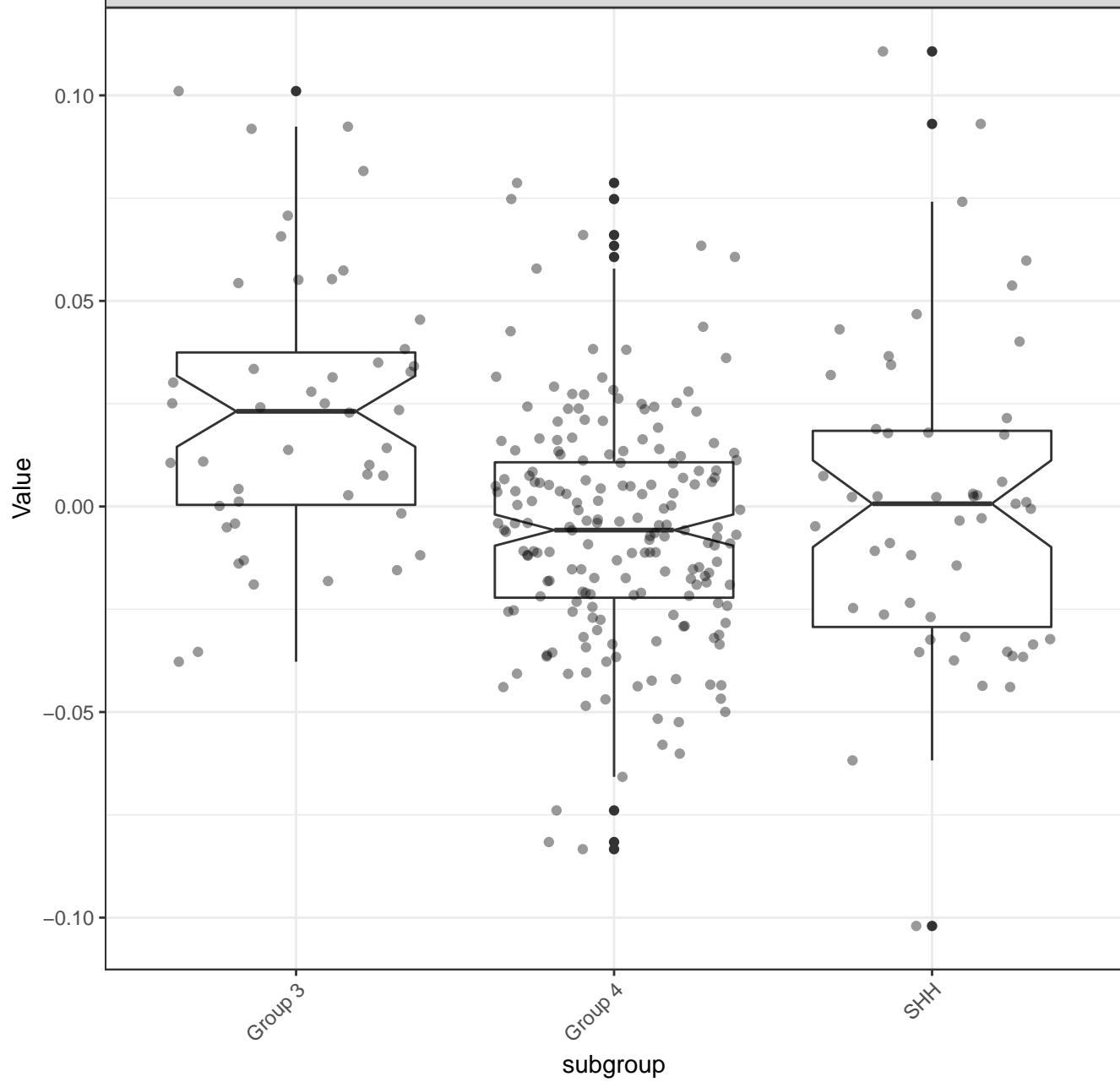
subgroup

Group 4

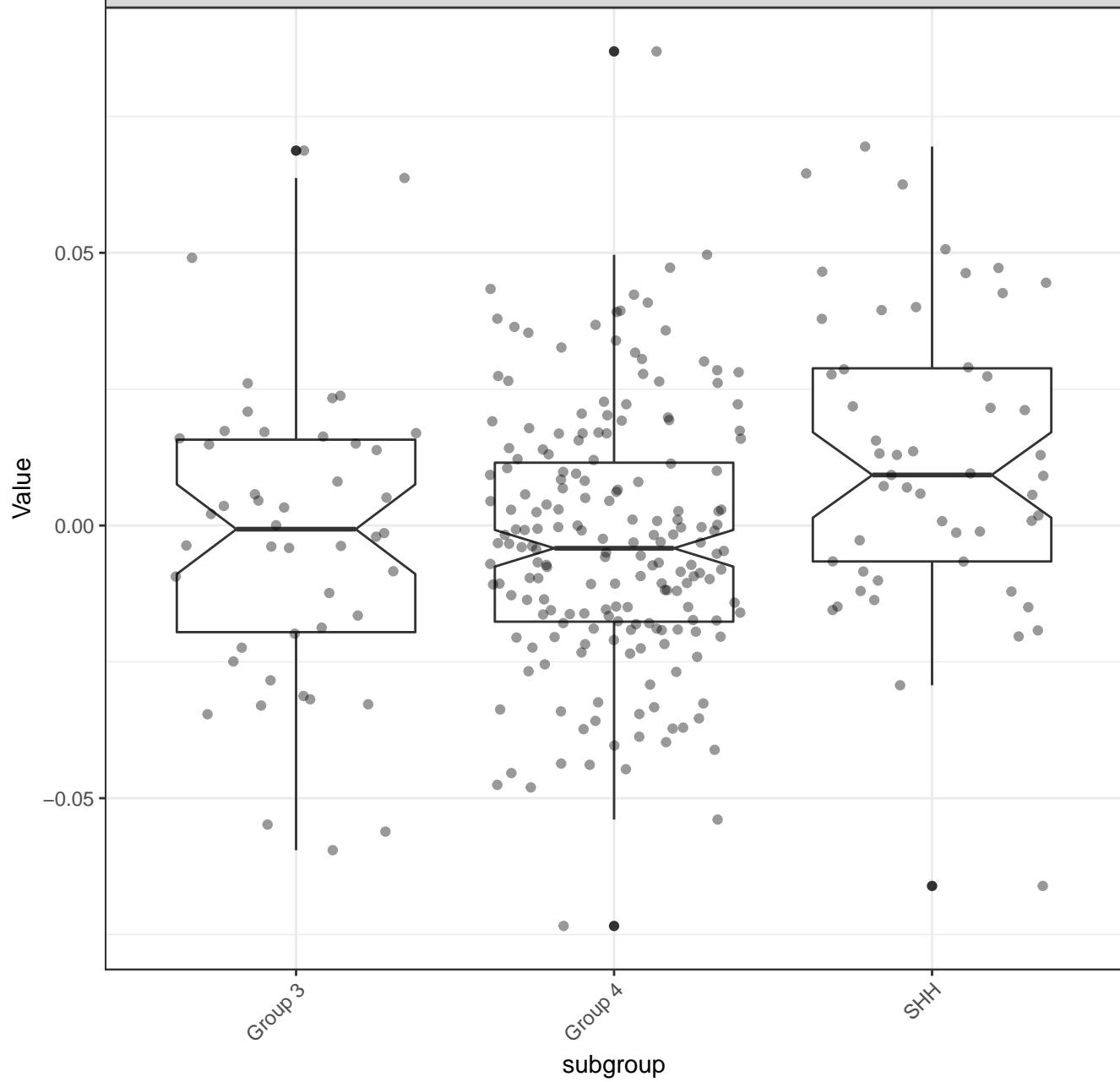
SHH



LV 215



LV 216



Value

0.05

0.00

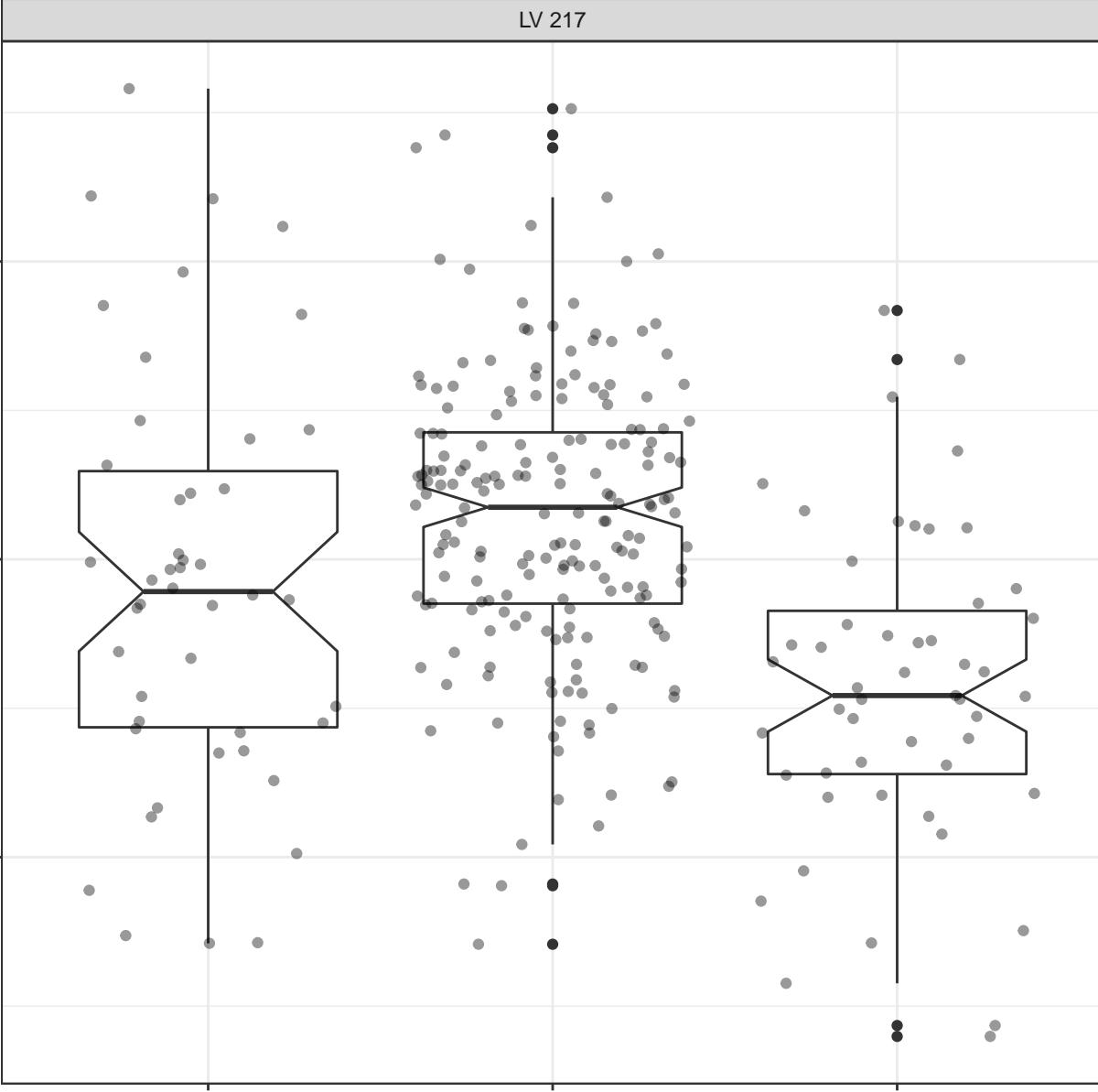
-0.05

Group 3

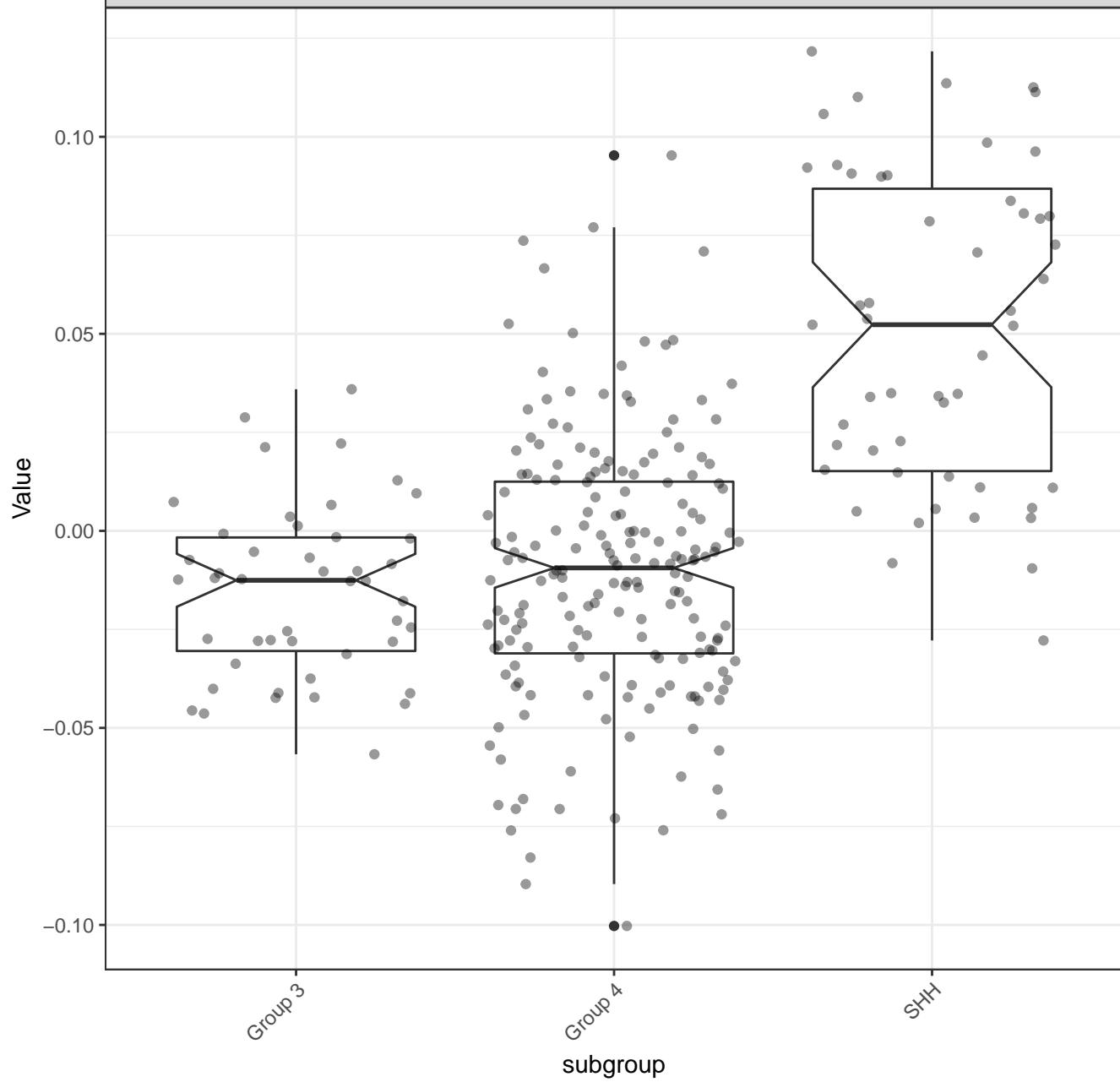
subgroup

Group 4

SHH

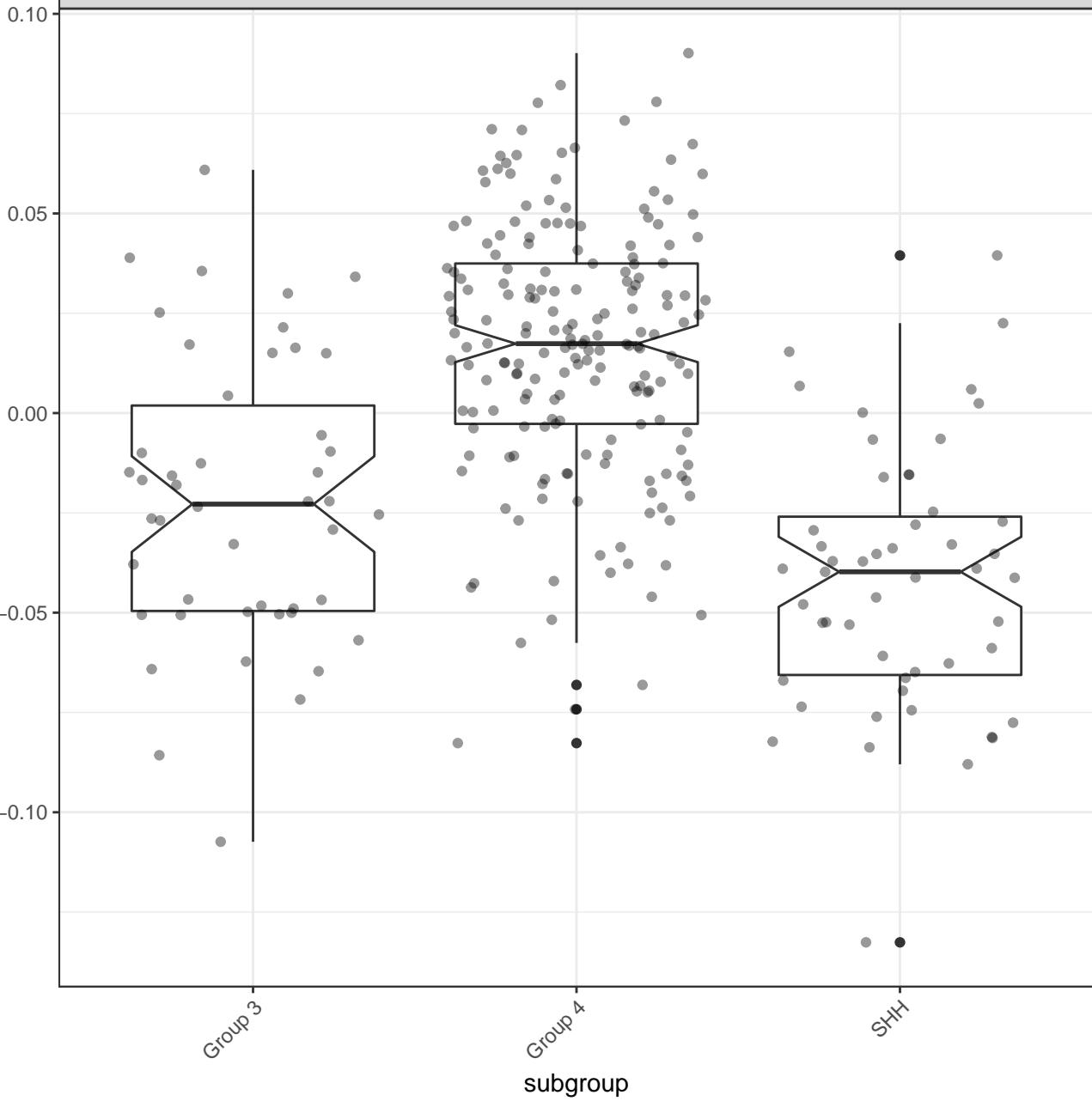


LV 218

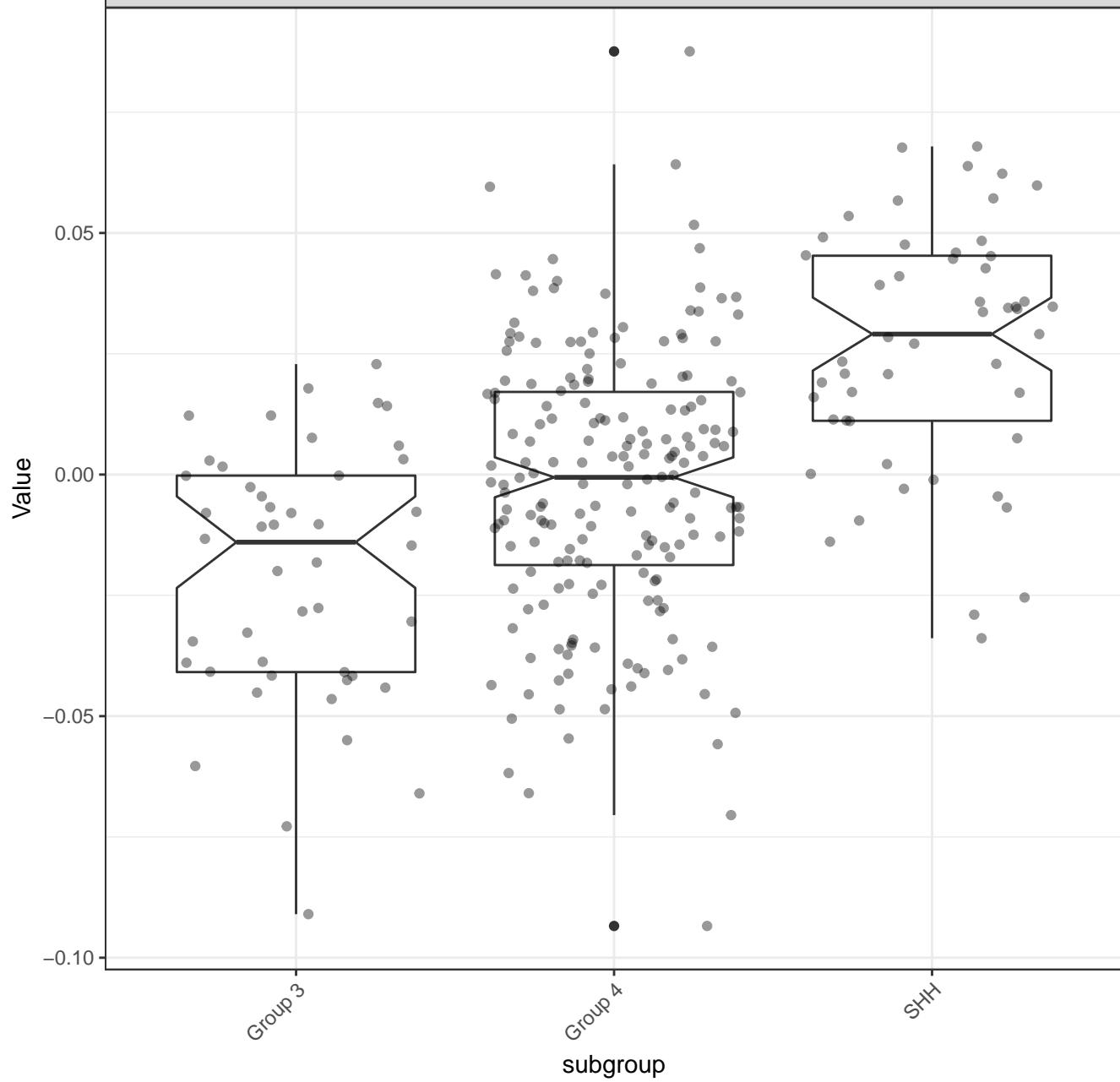


LV 219

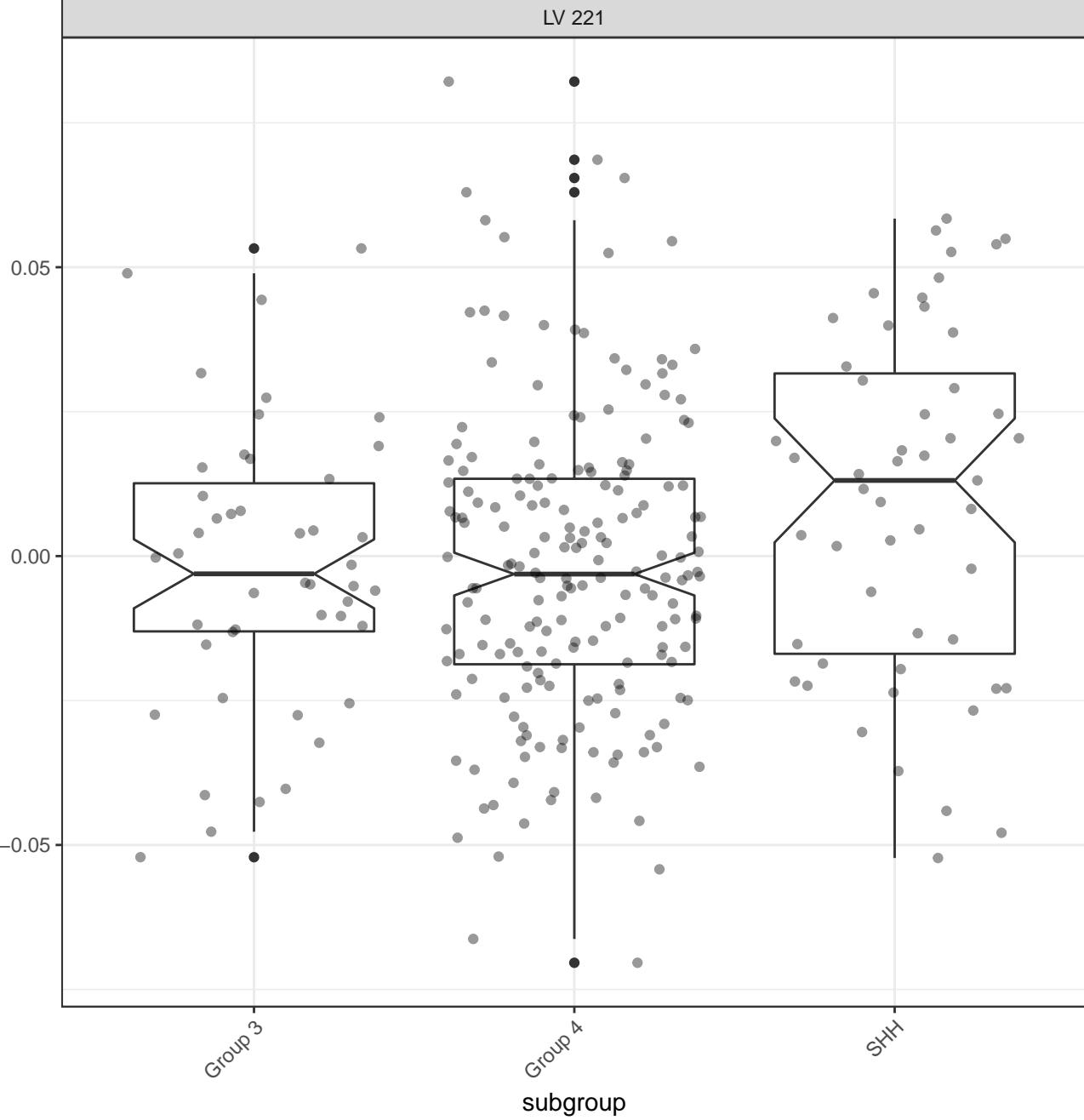
Value

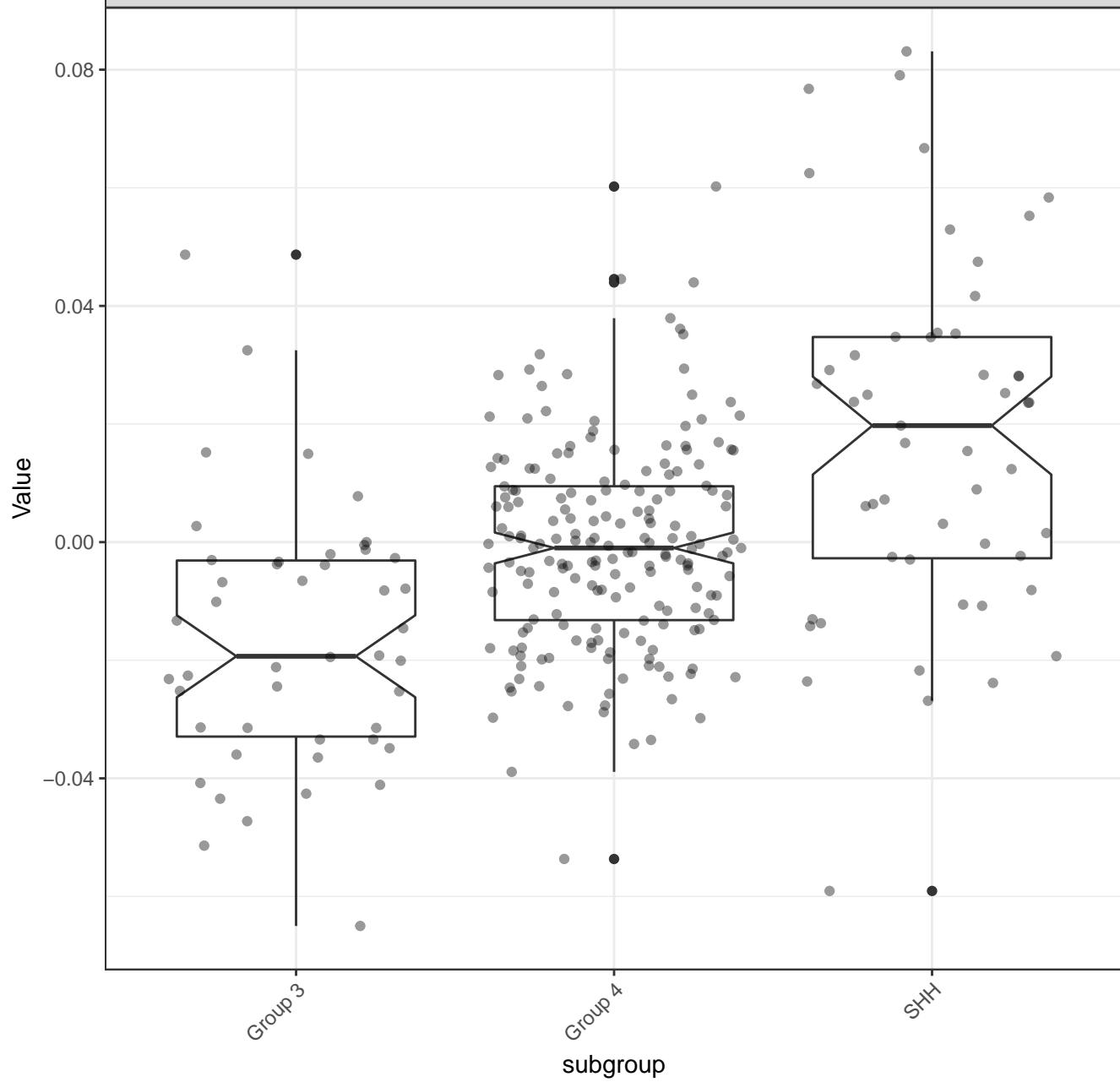


LV 220



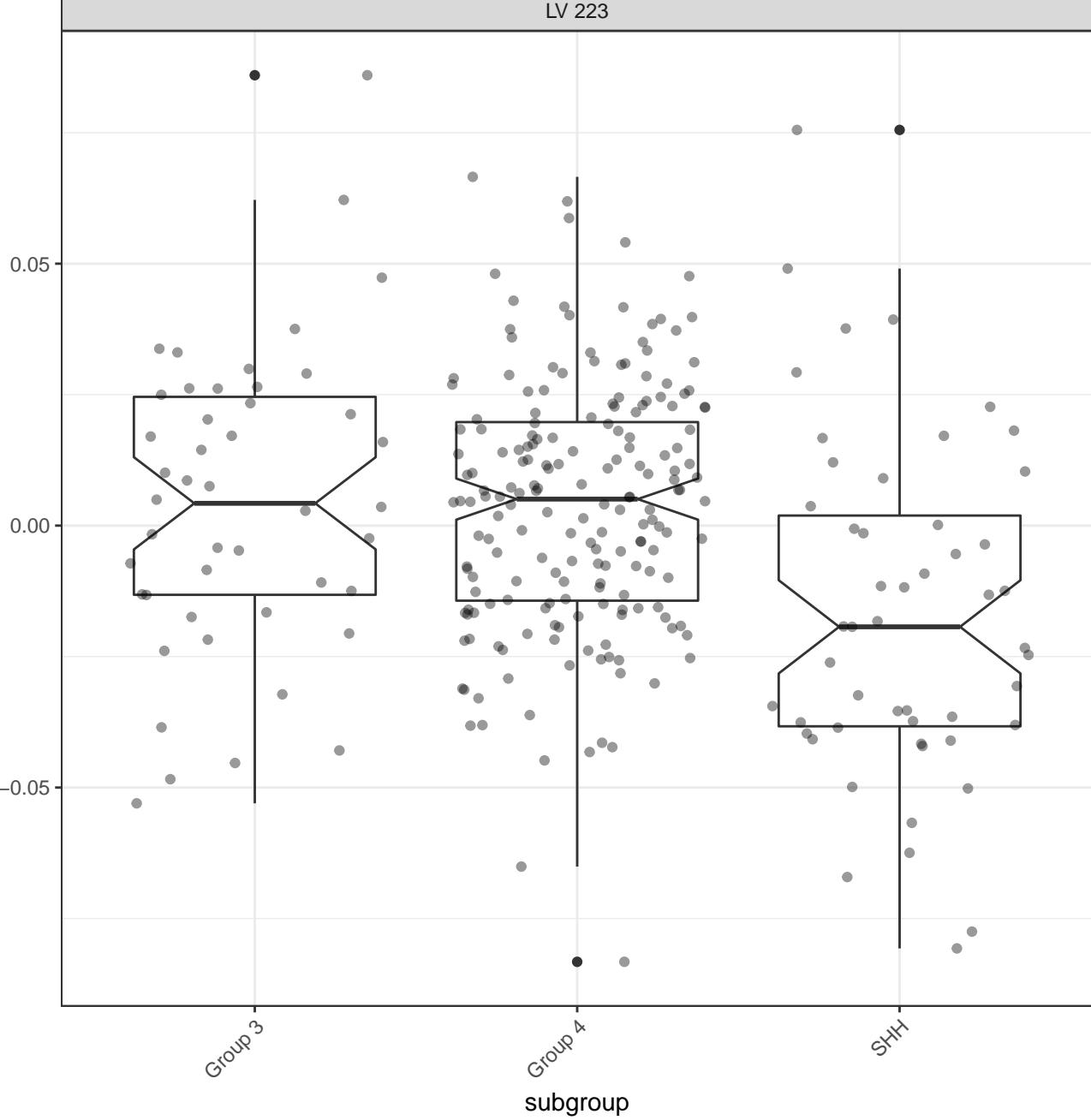
Value



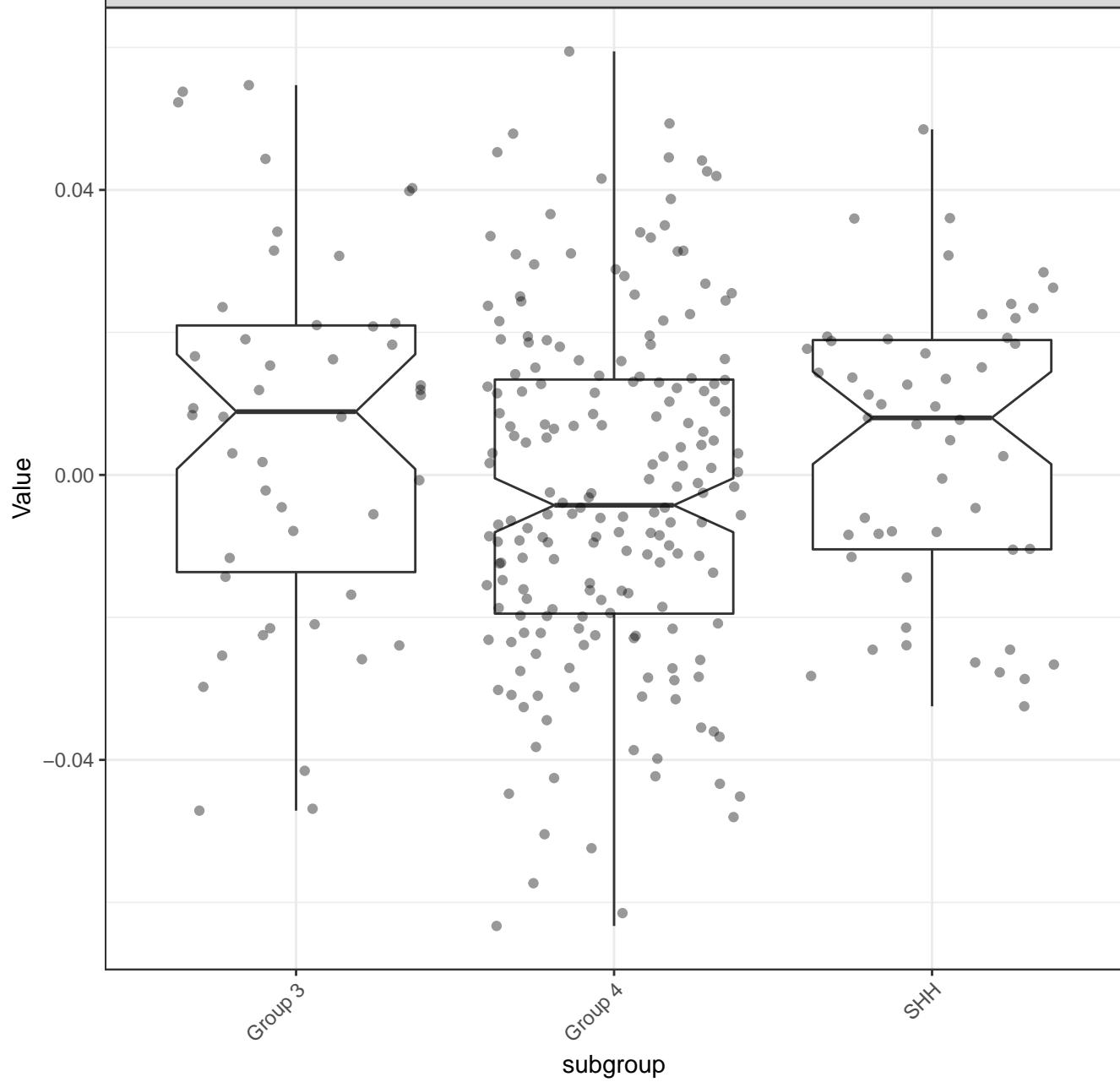


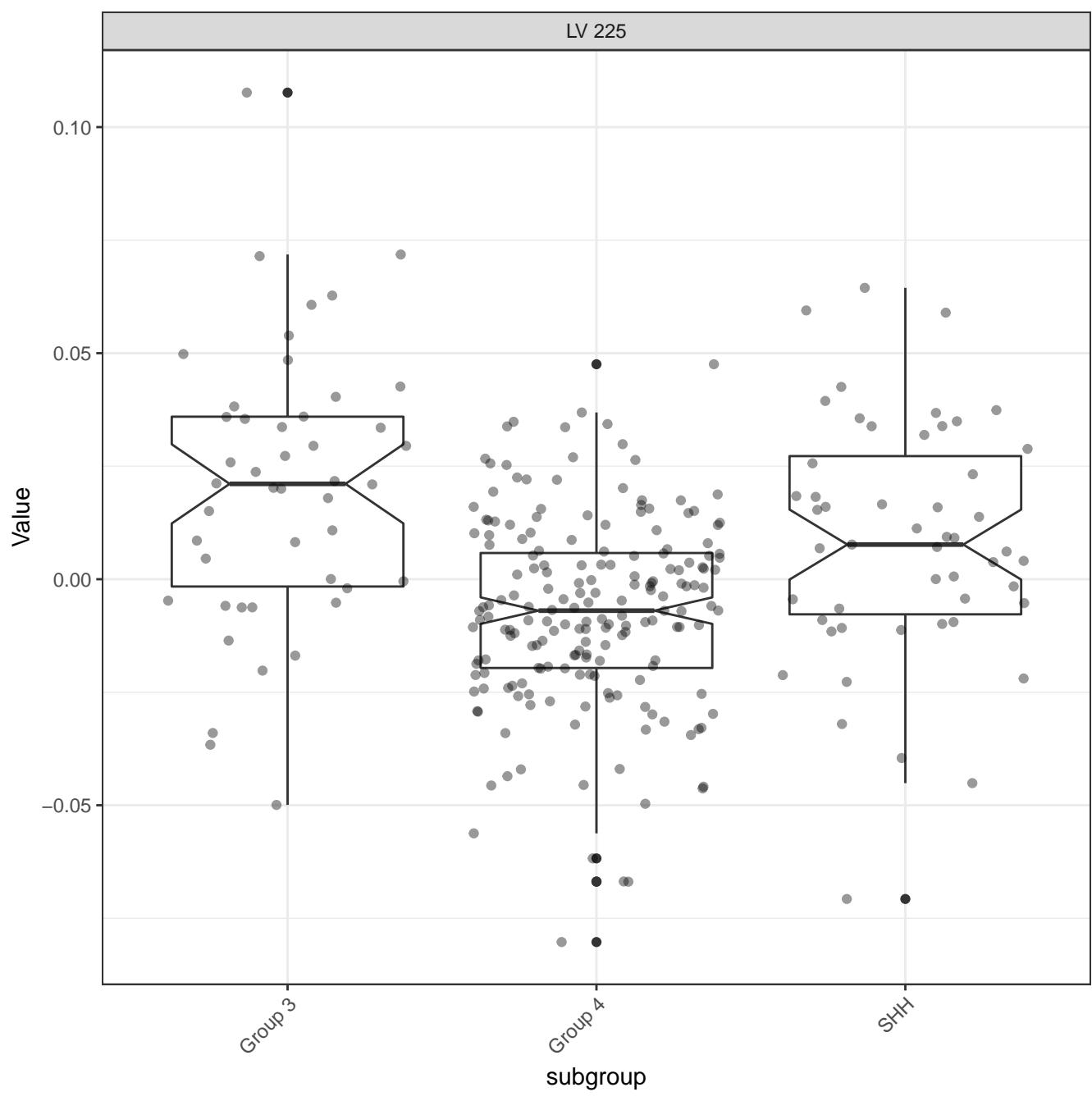
LV 223

Value

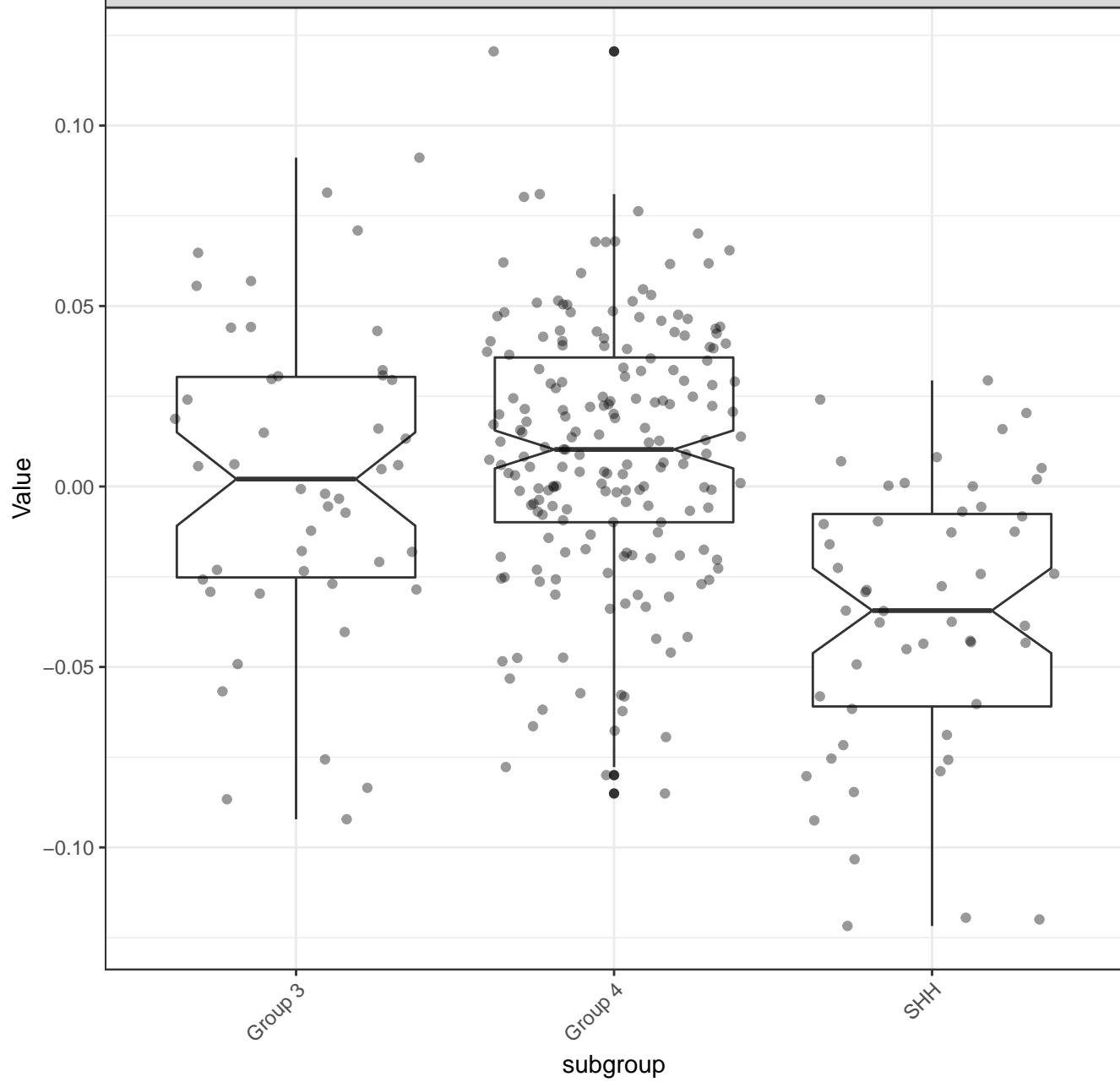


LV 224

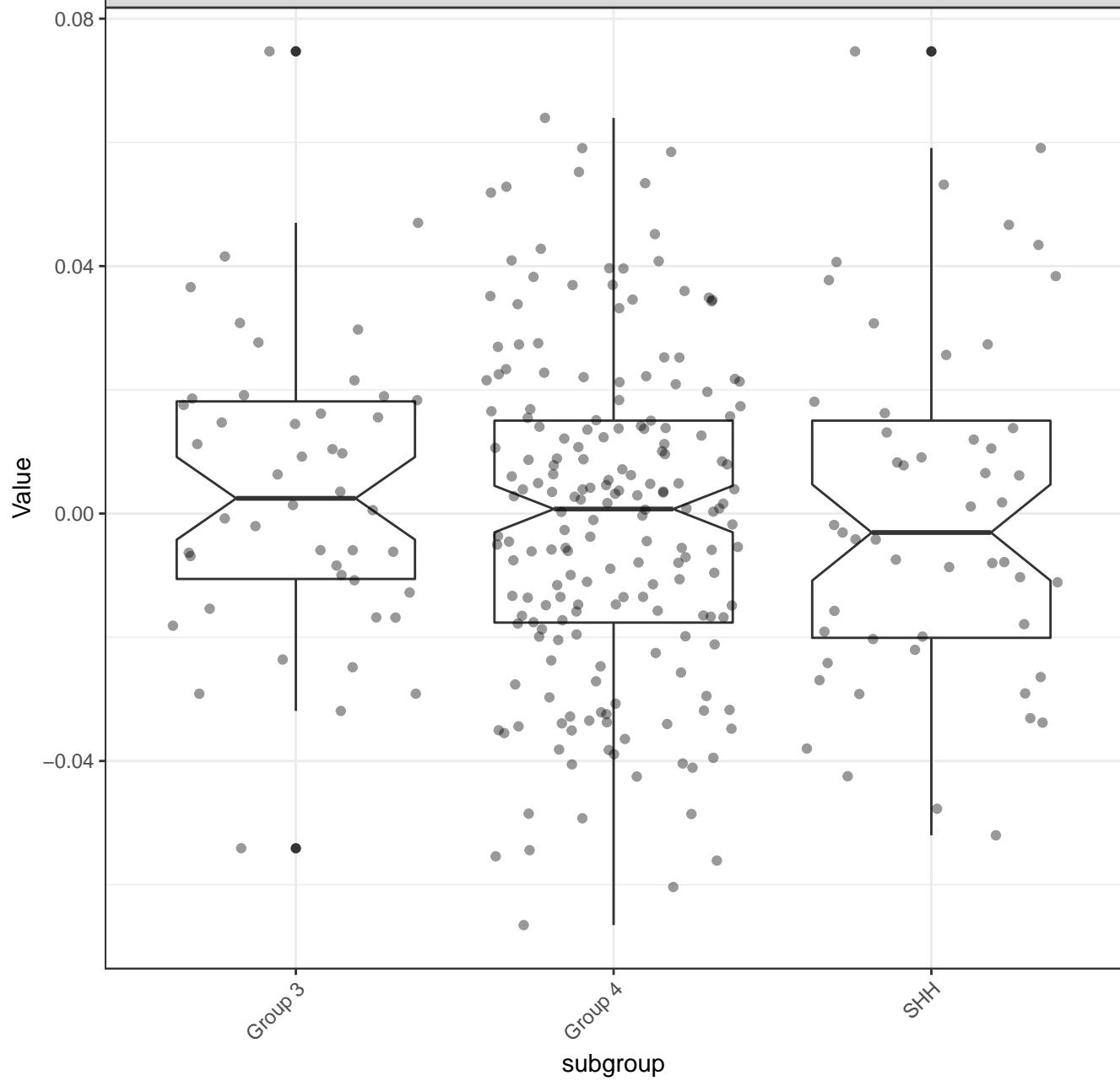




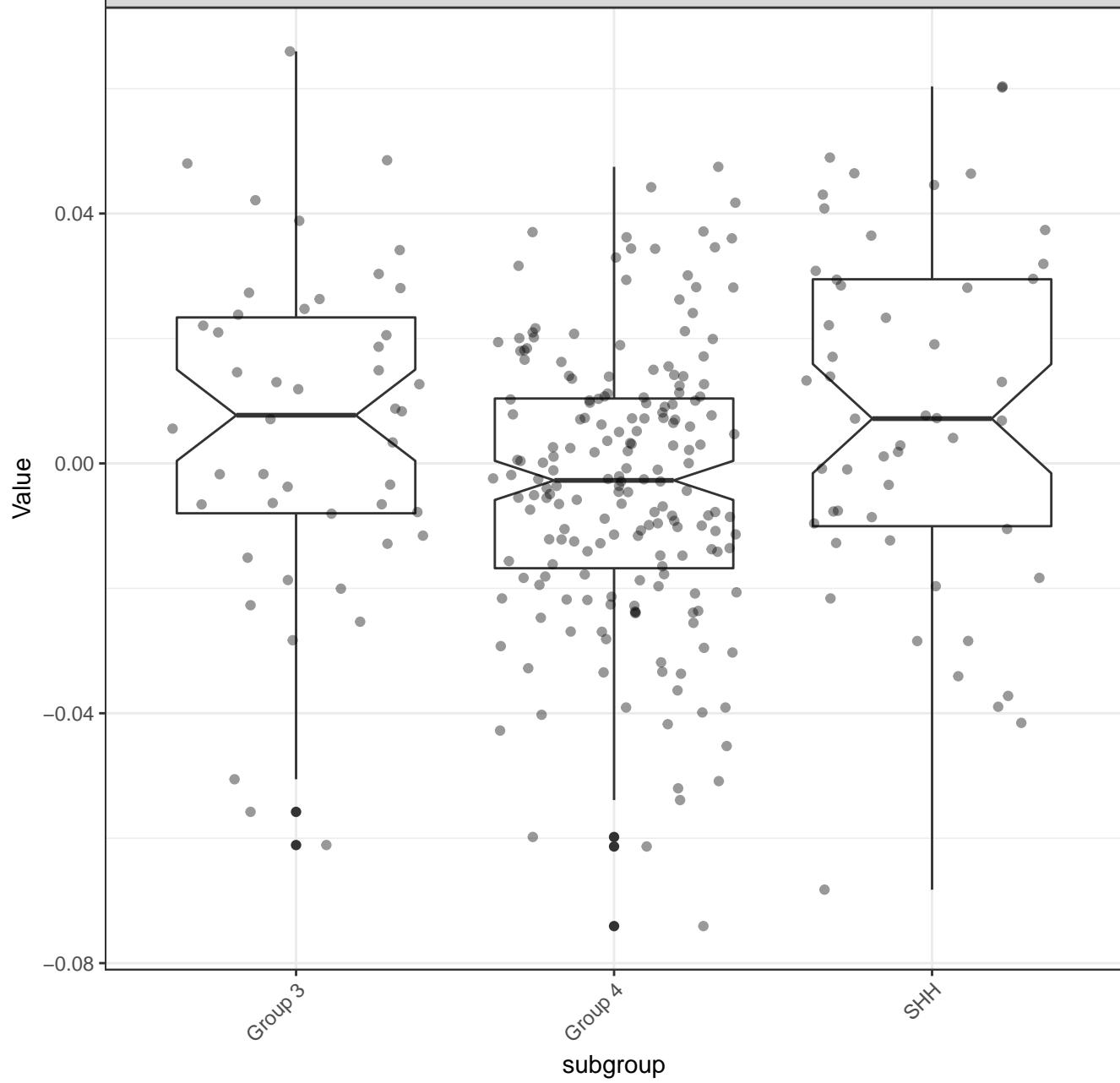
LV 226



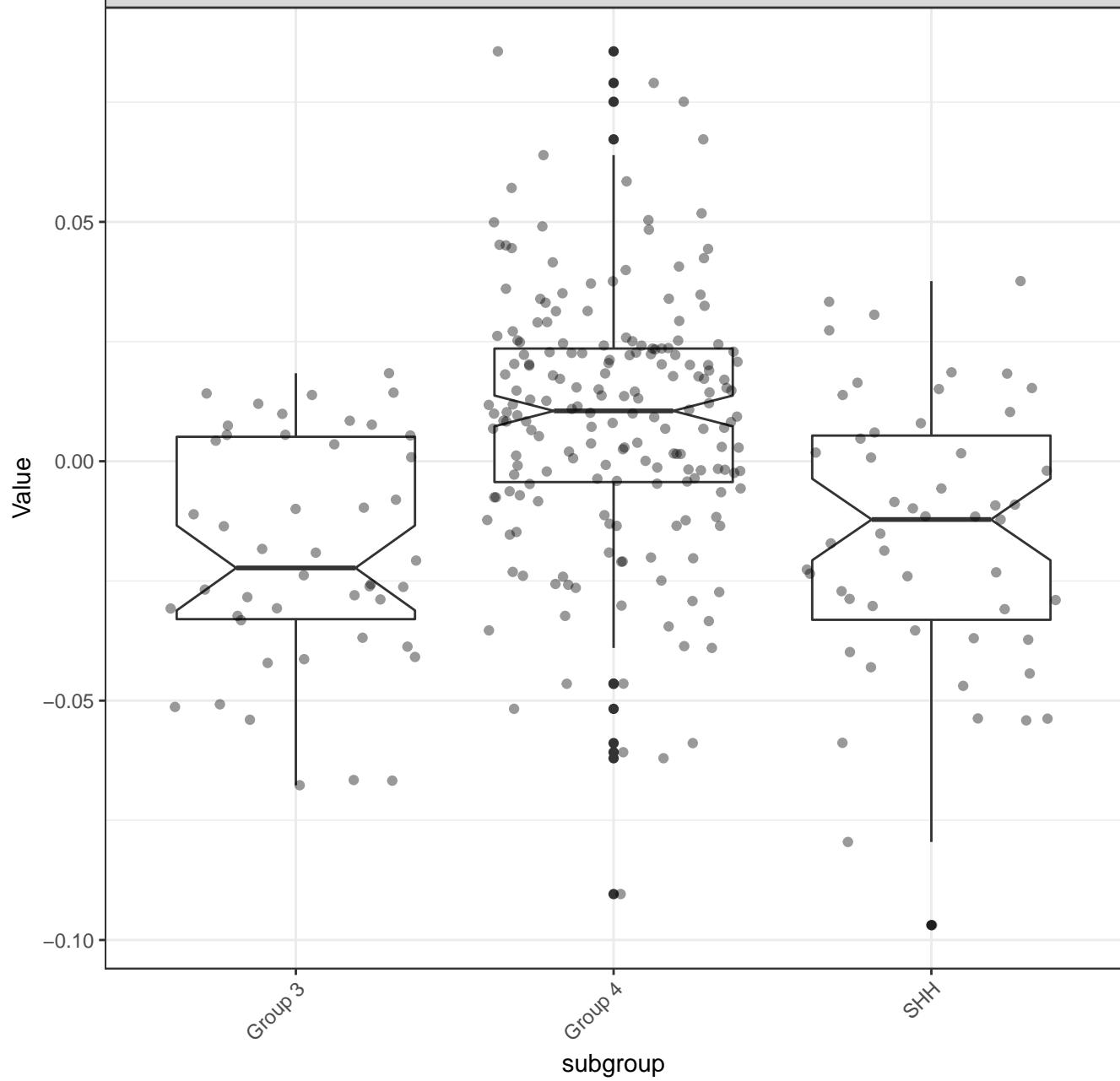
LV 227



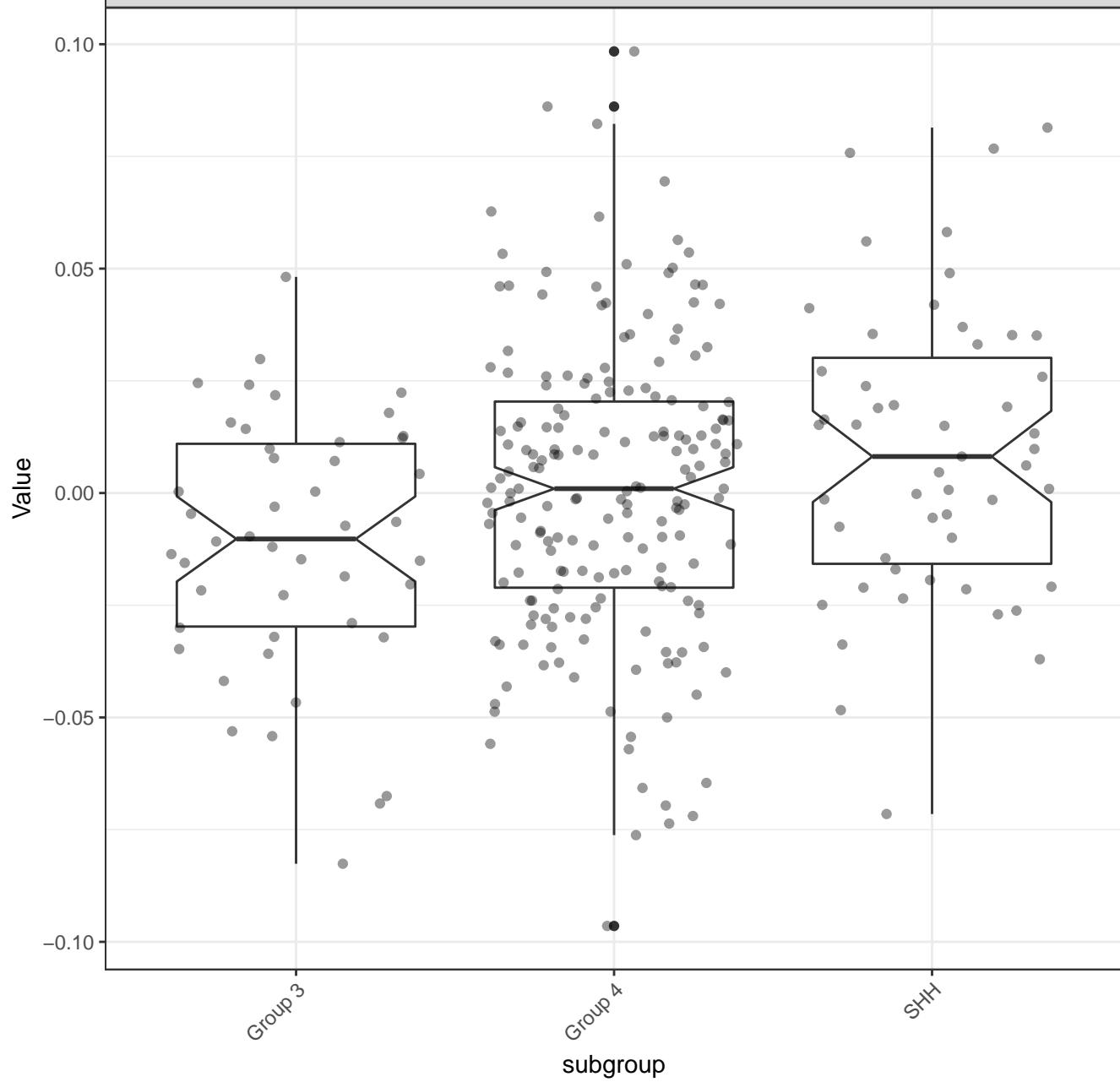
LV 228

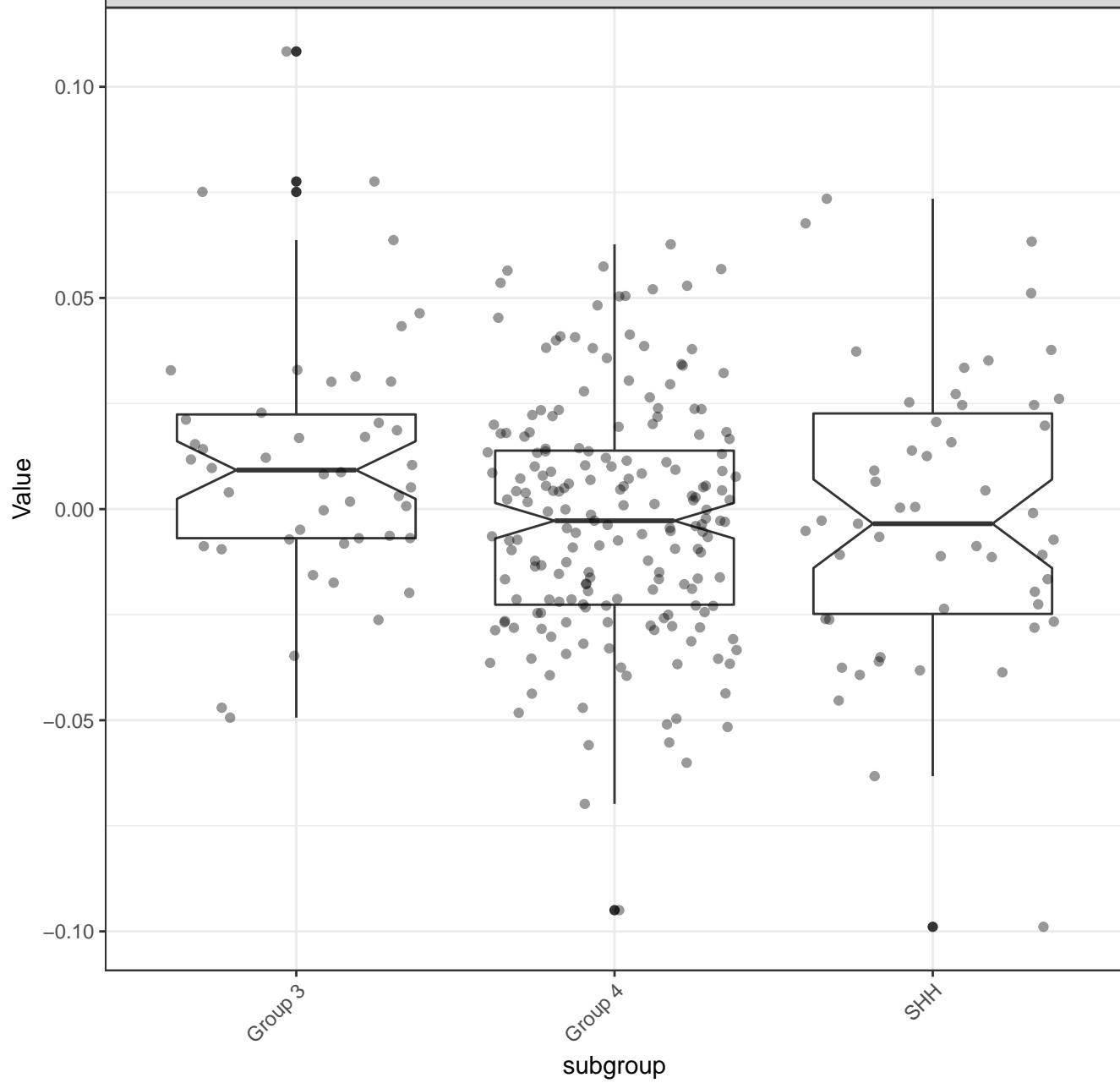


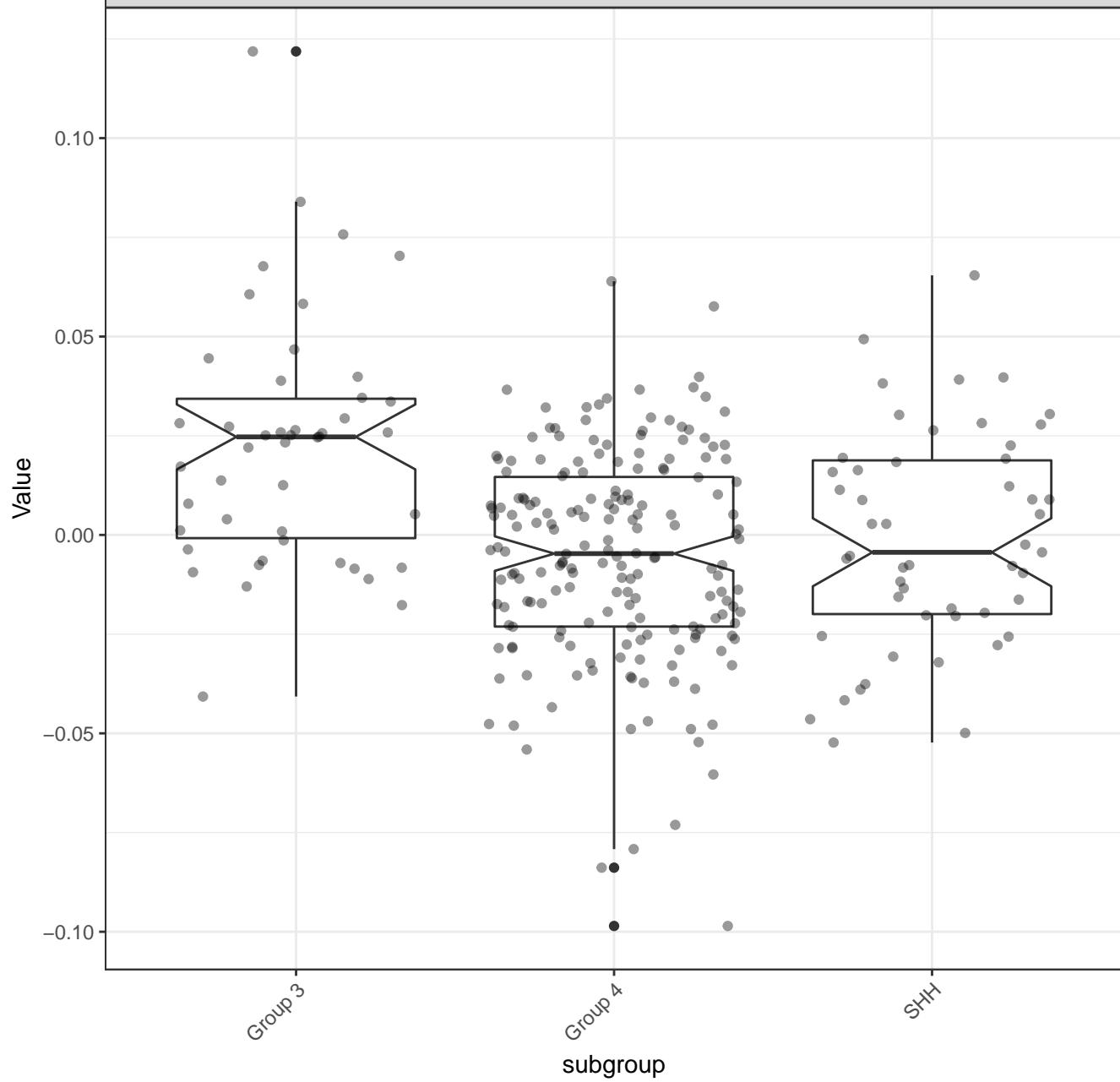
LV 229



LV 230







LV 233

Value

0.10

0.05

0.00

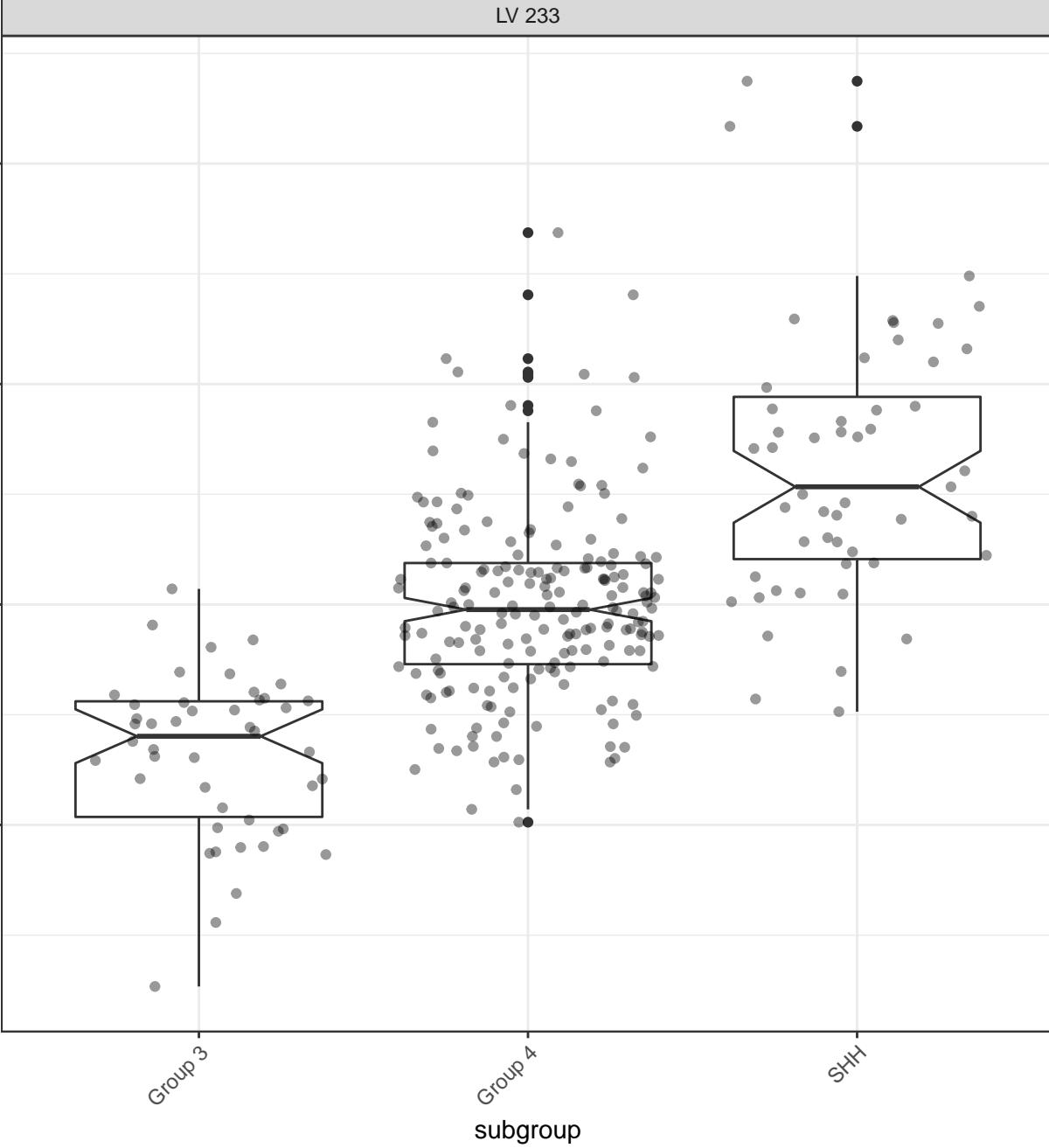
-0.05

Group 3

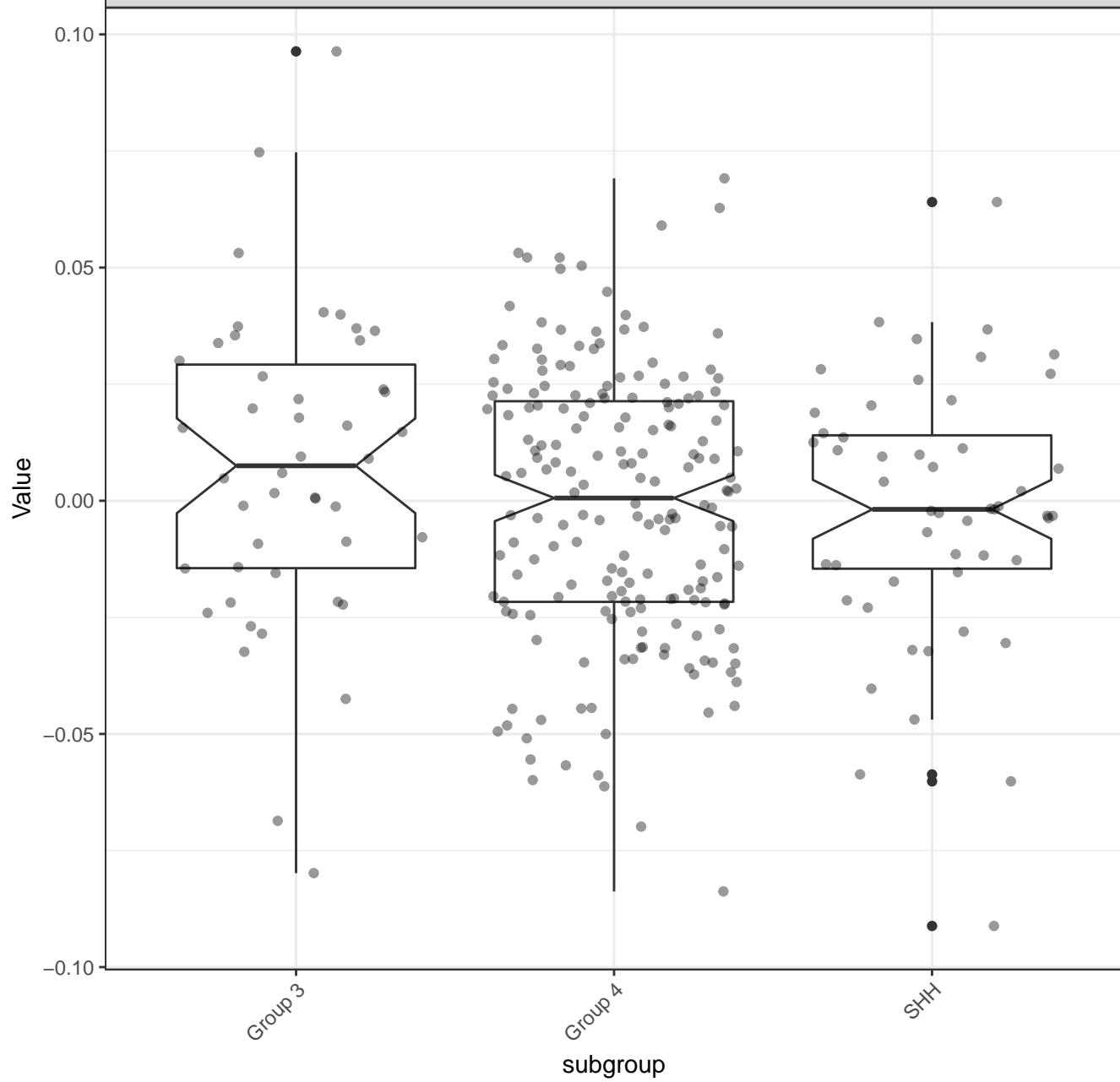
Group 4

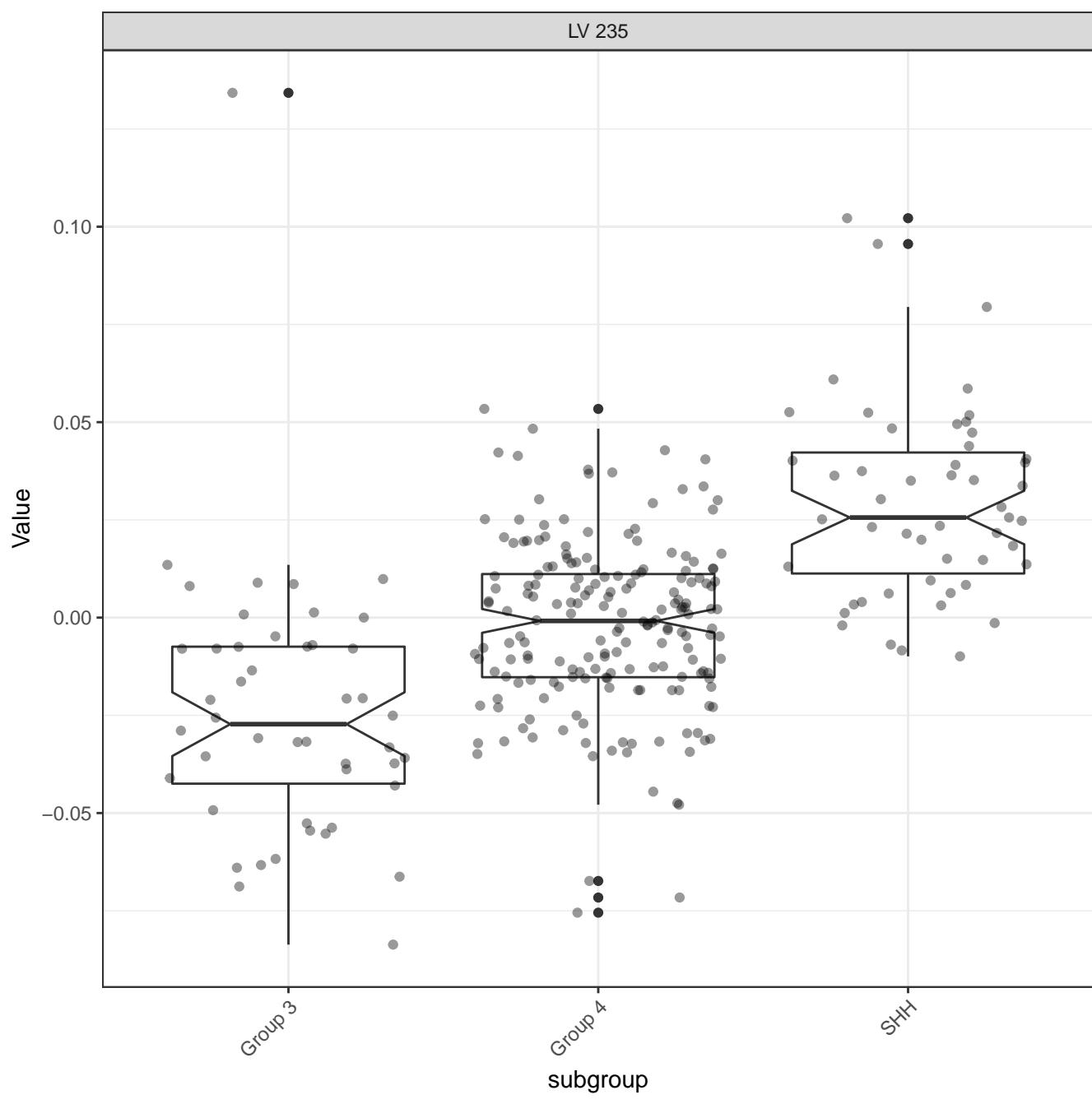
SHH

subgroup



234,REACTOME_RNA_POL_I_PROMOTER_OPENING





LV 236

Value

0.05

0.00

-0.05

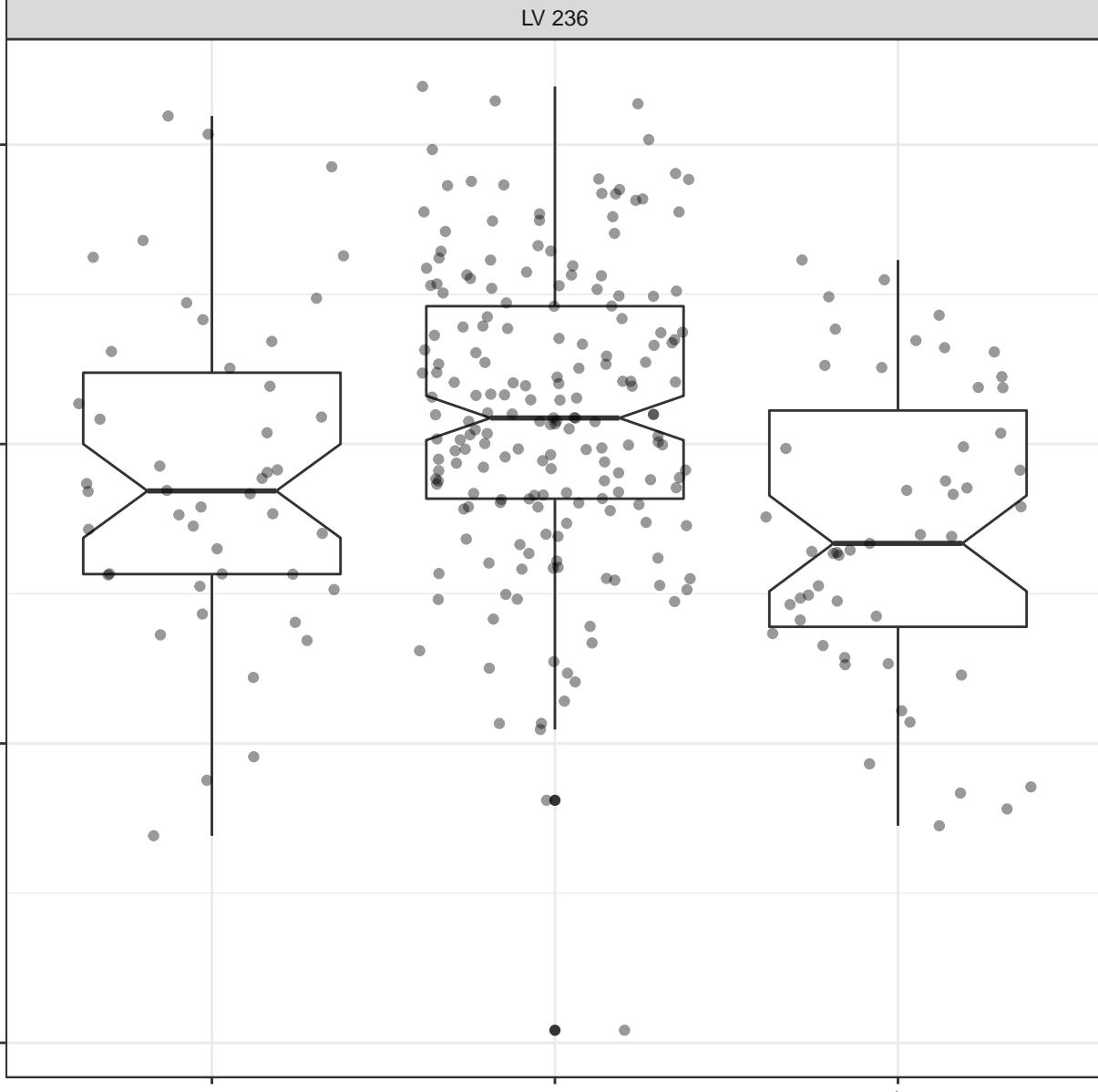
-0.10

Group 3

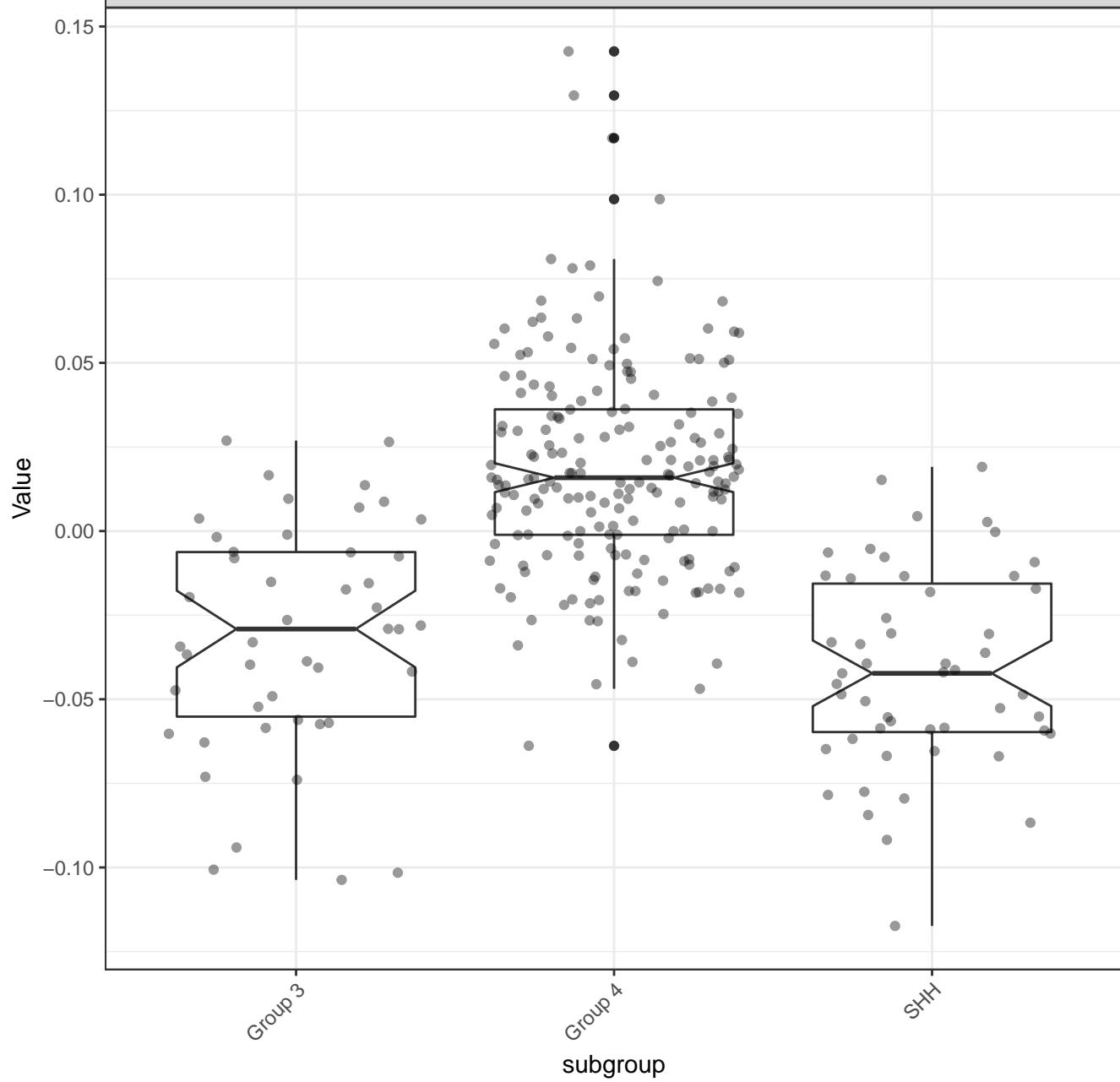
subgroup

Group 4

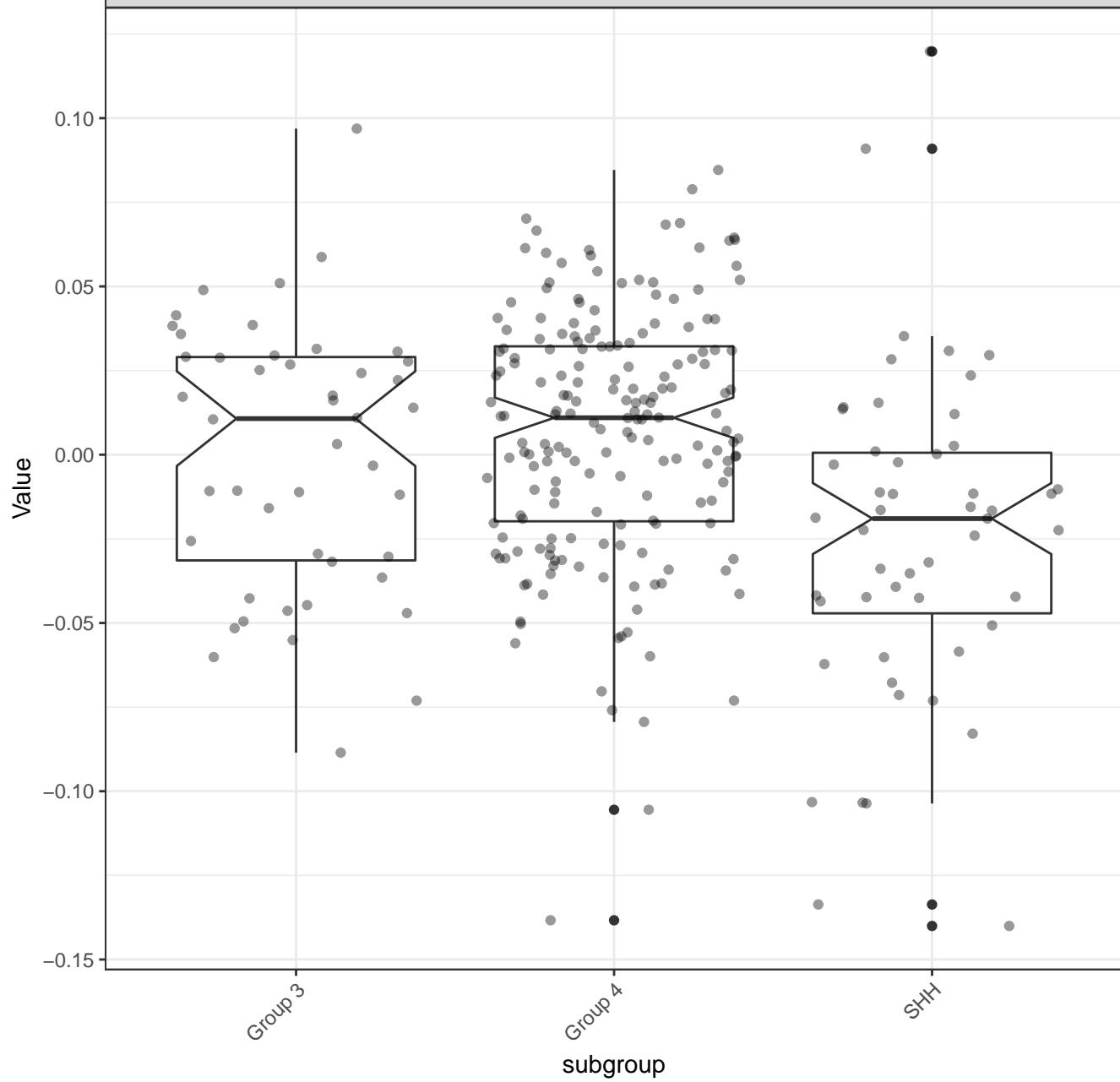
SHH



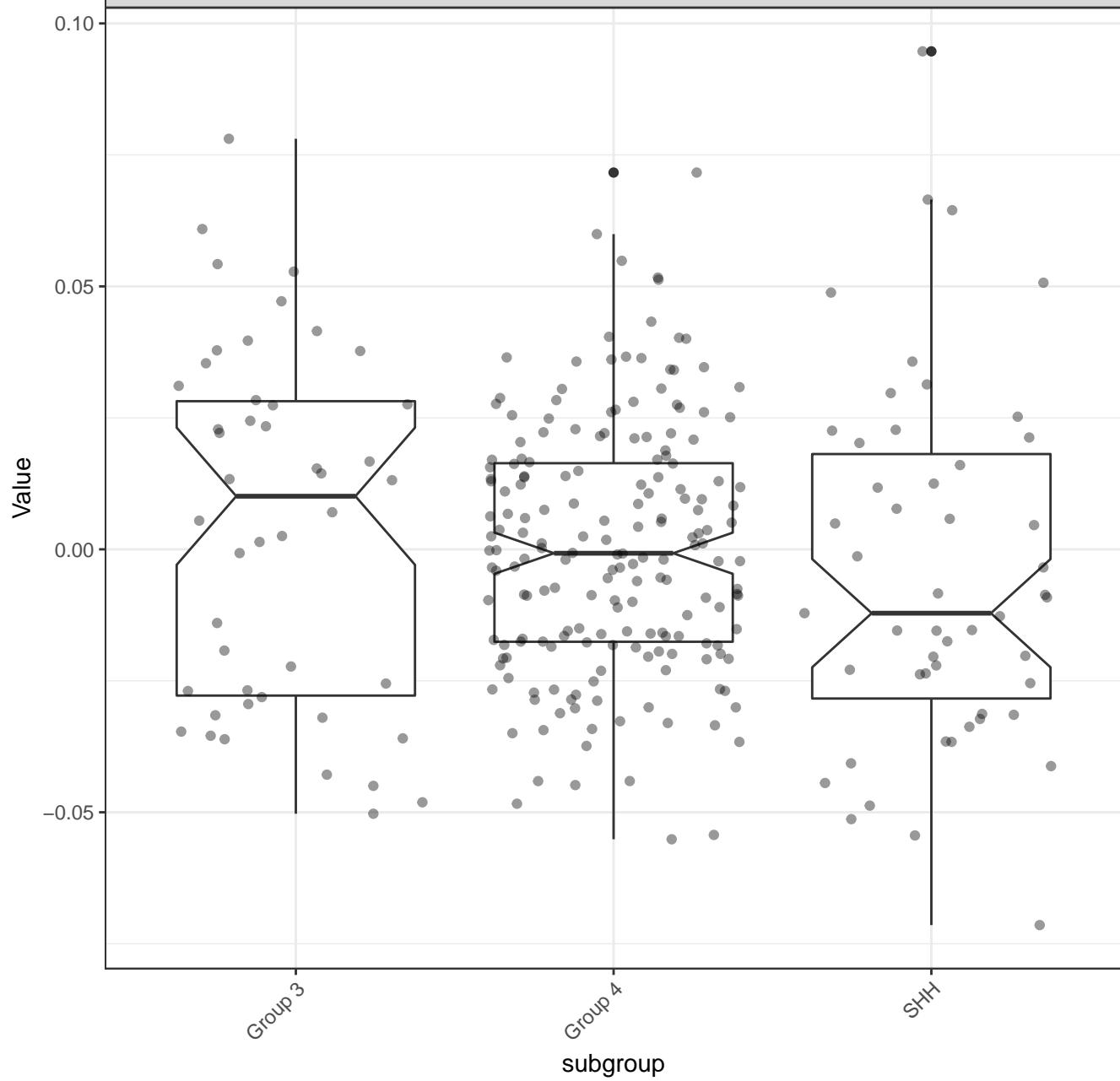
LV 237



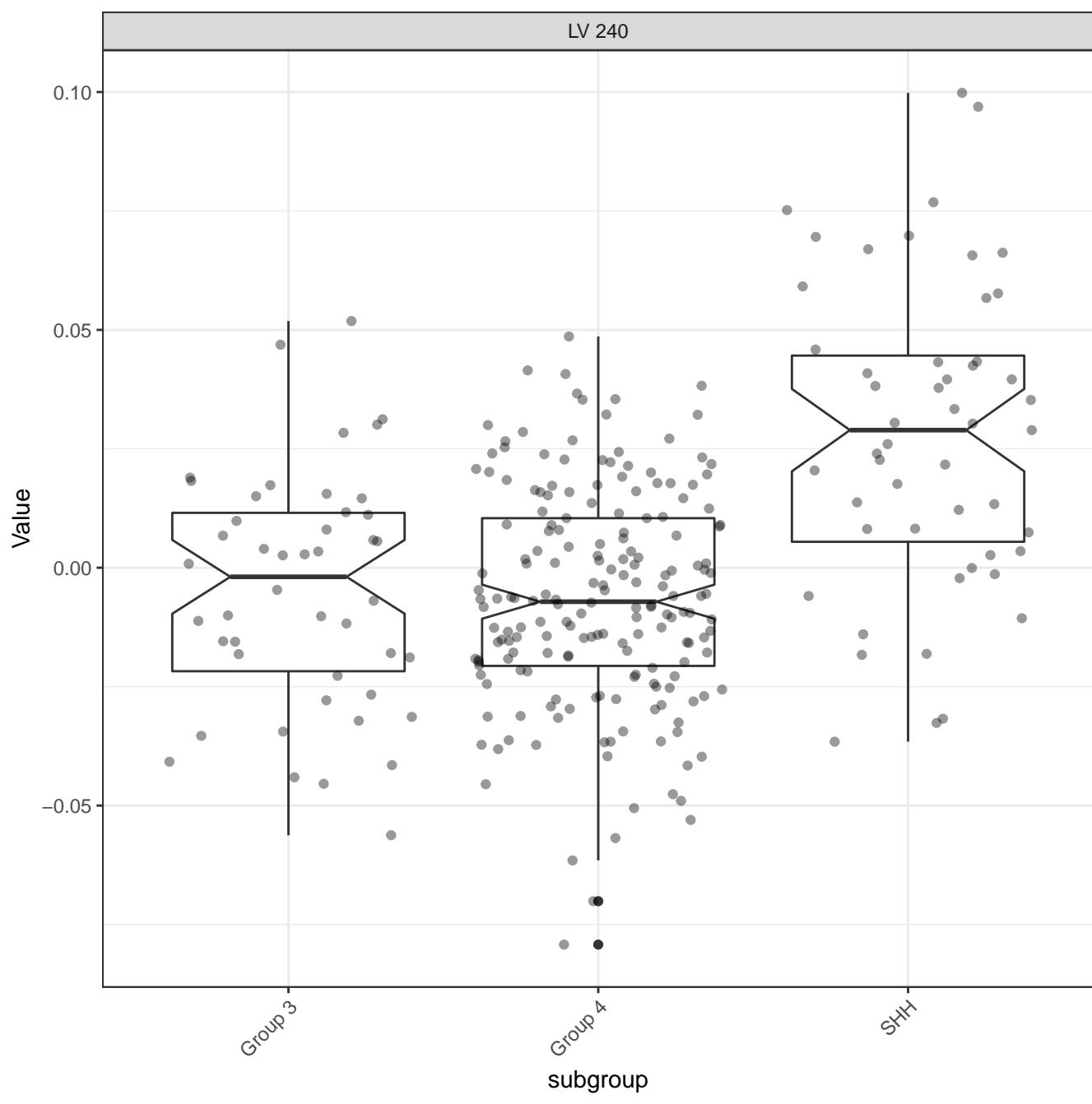
LV 238



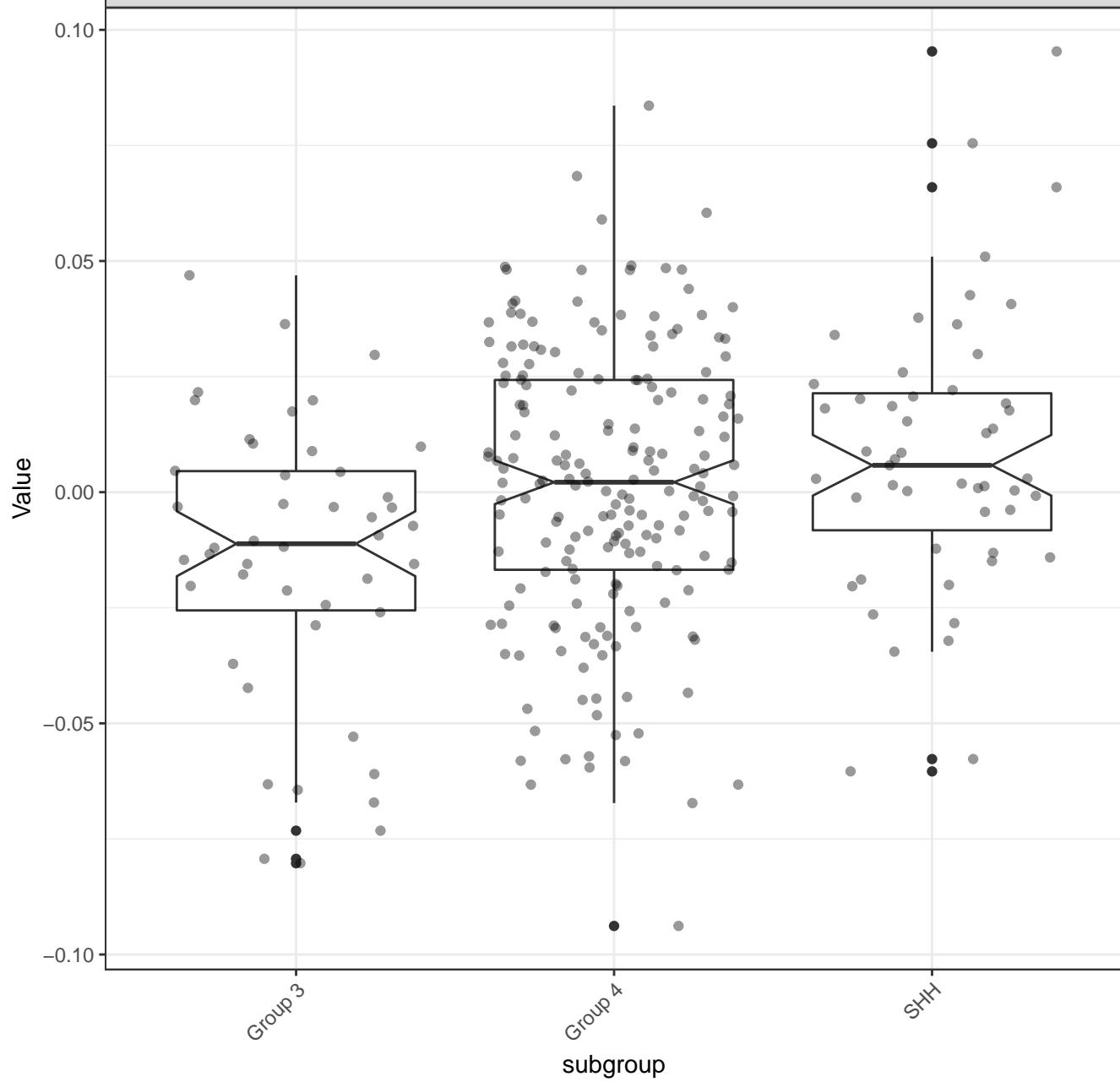
LV 239



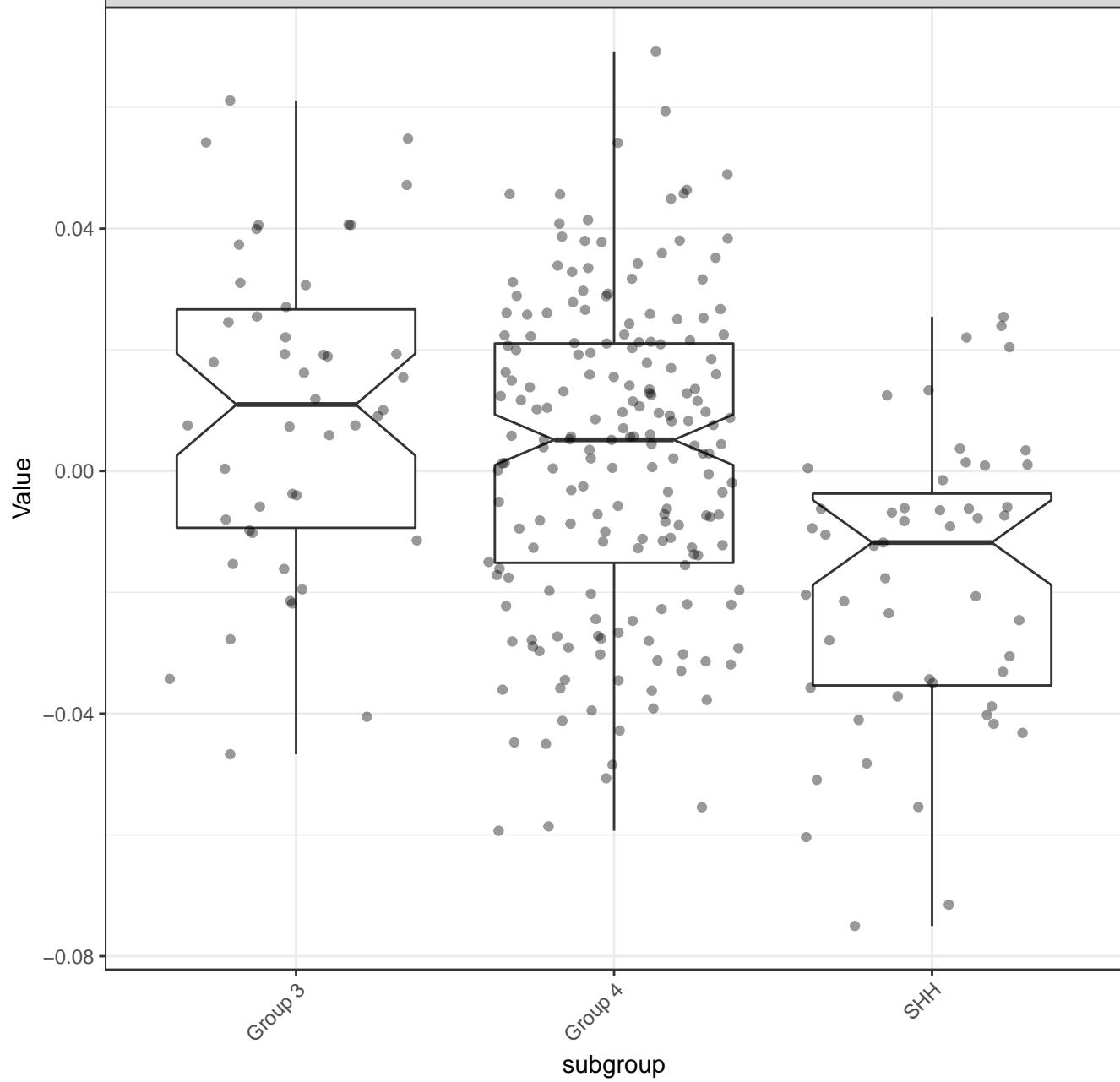
LV 240



LV 241



LV 242



Value

0.05

0.00

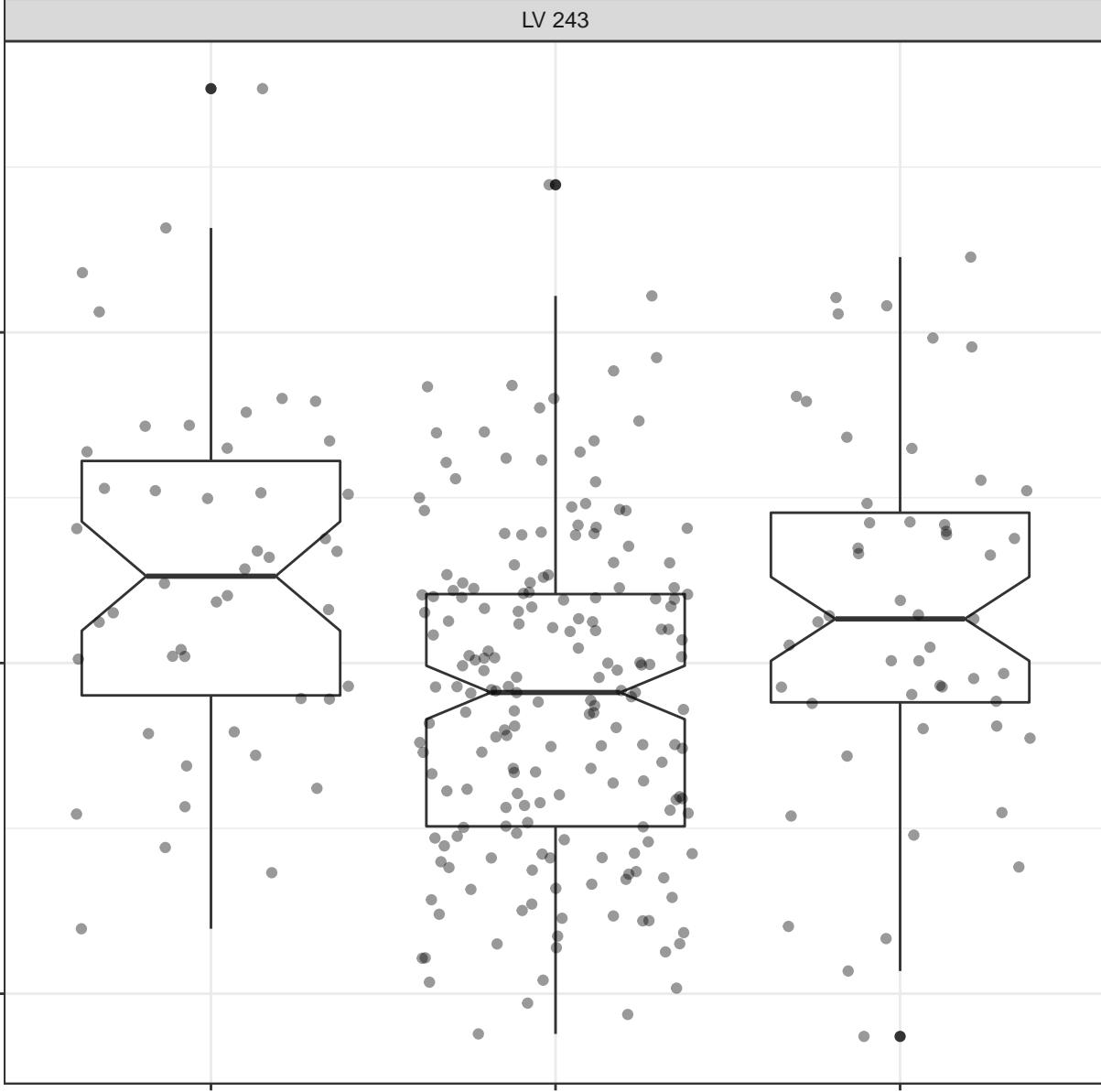
-0.05

Group 3

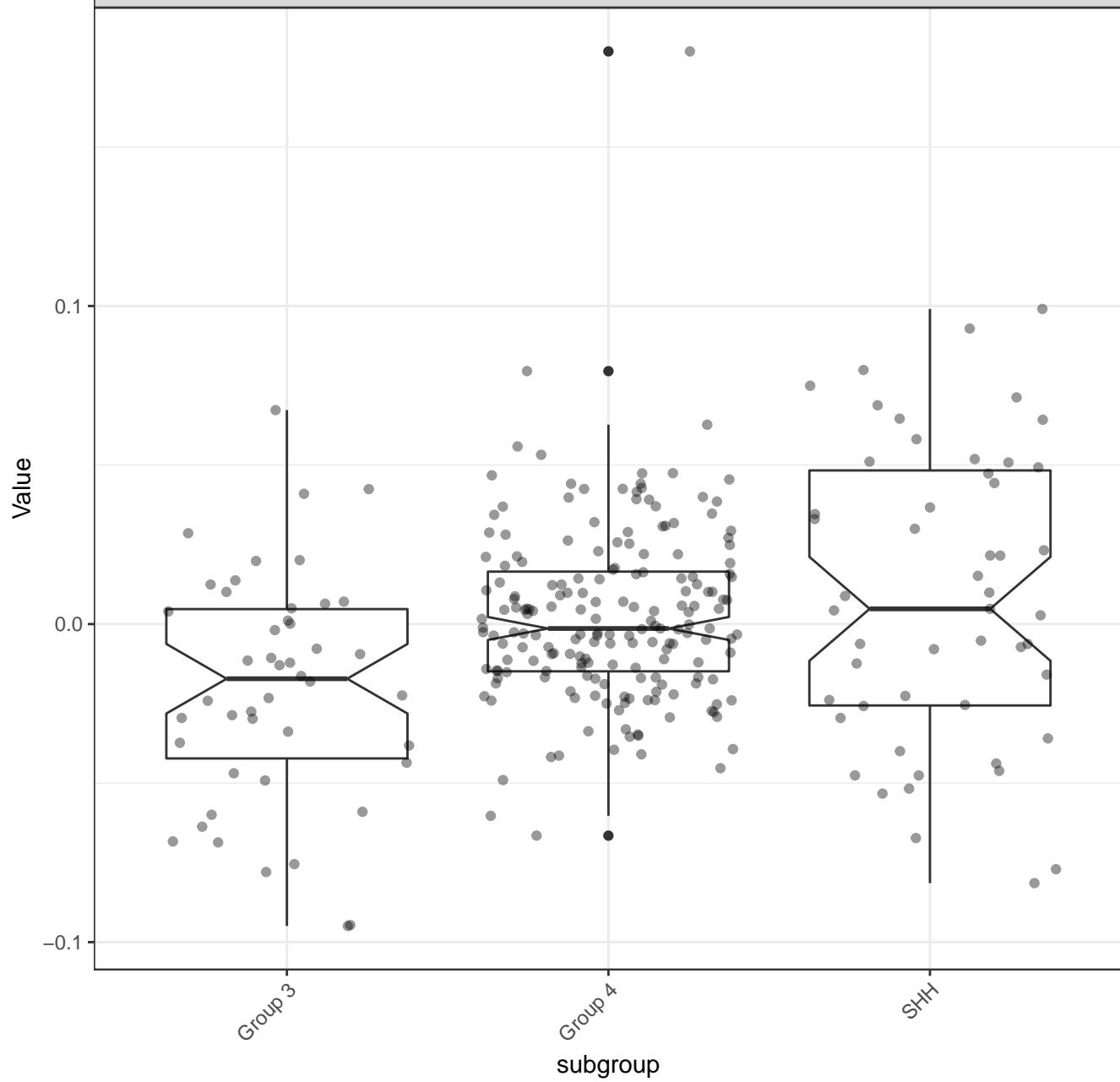
subgroup

Group 4

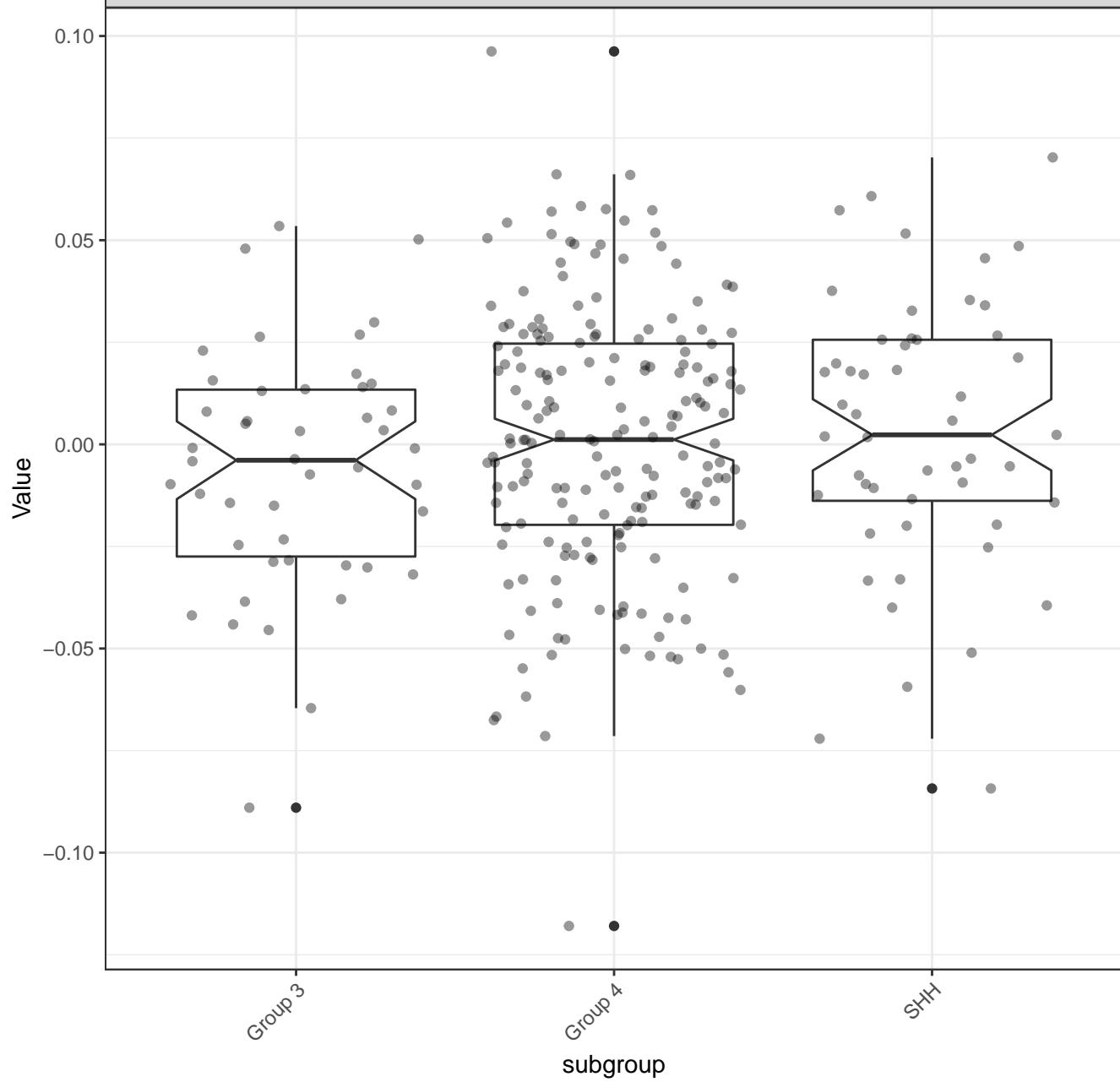
SHH



LV 244



LV 245



246,REACTOME_TRIGLYCERIDE BIOSYNTHESIS

Value

0.2

0.1

0.0

-0.1

Group 3

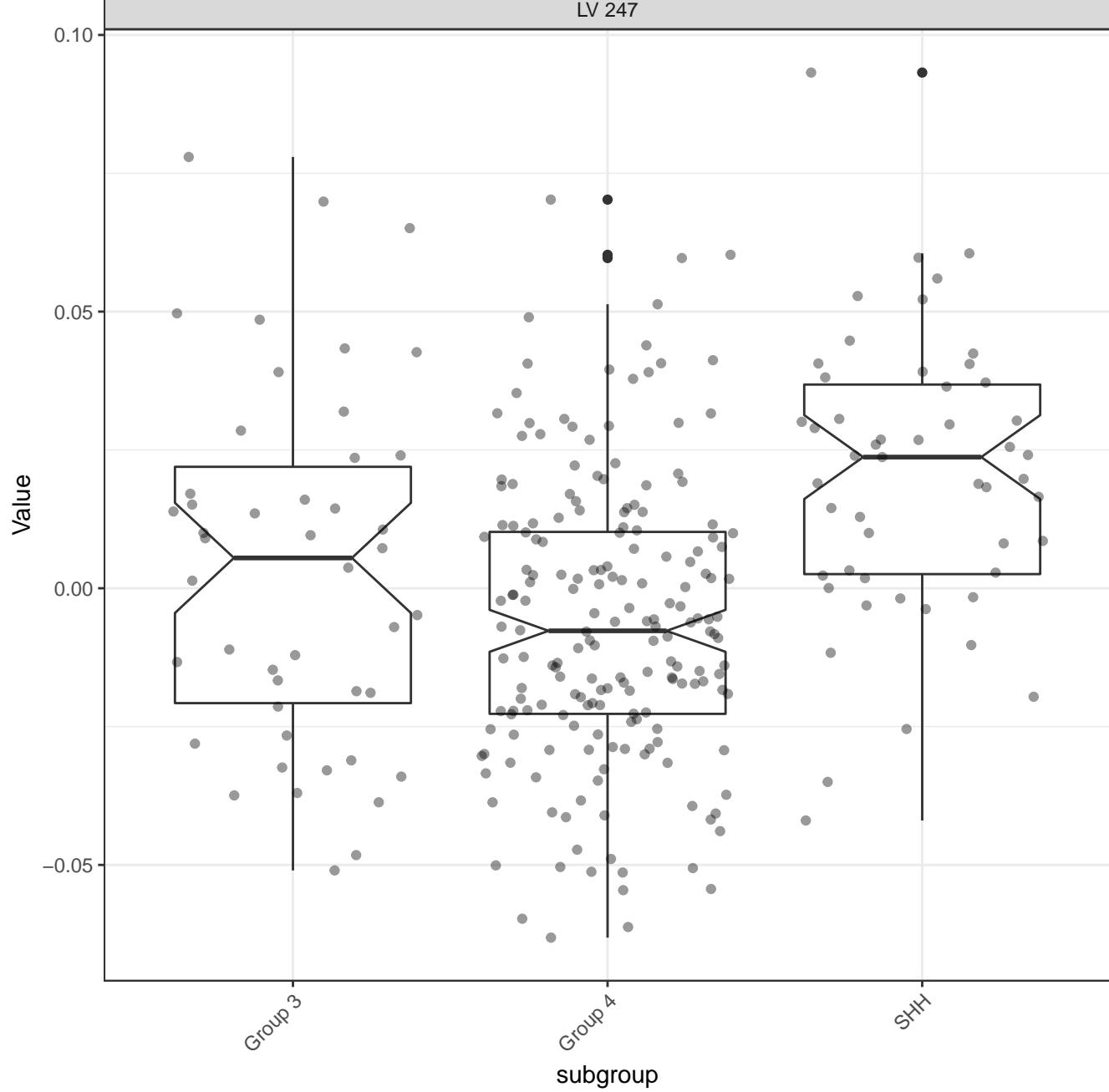
subgroup

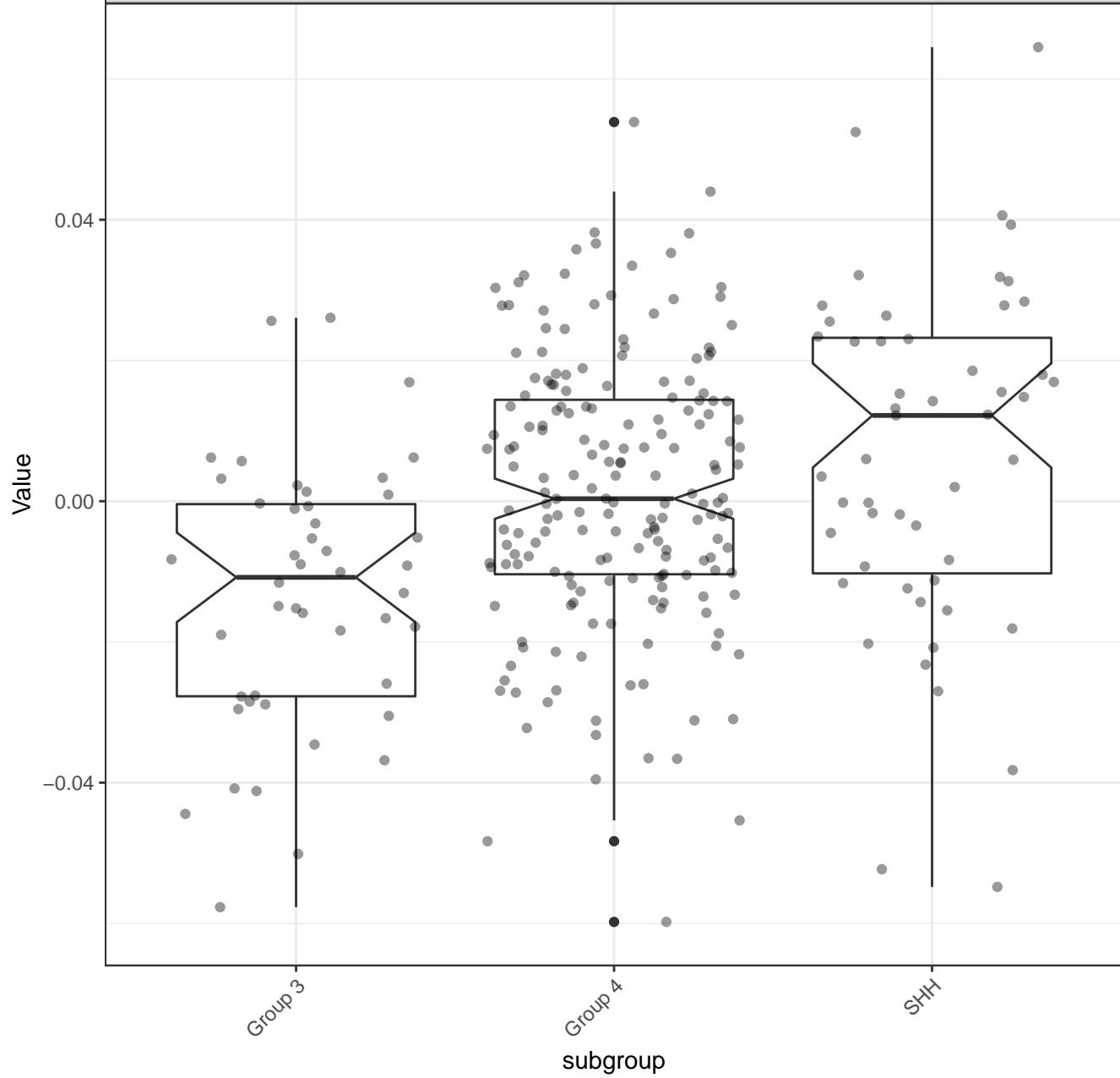
Group 4

SHH

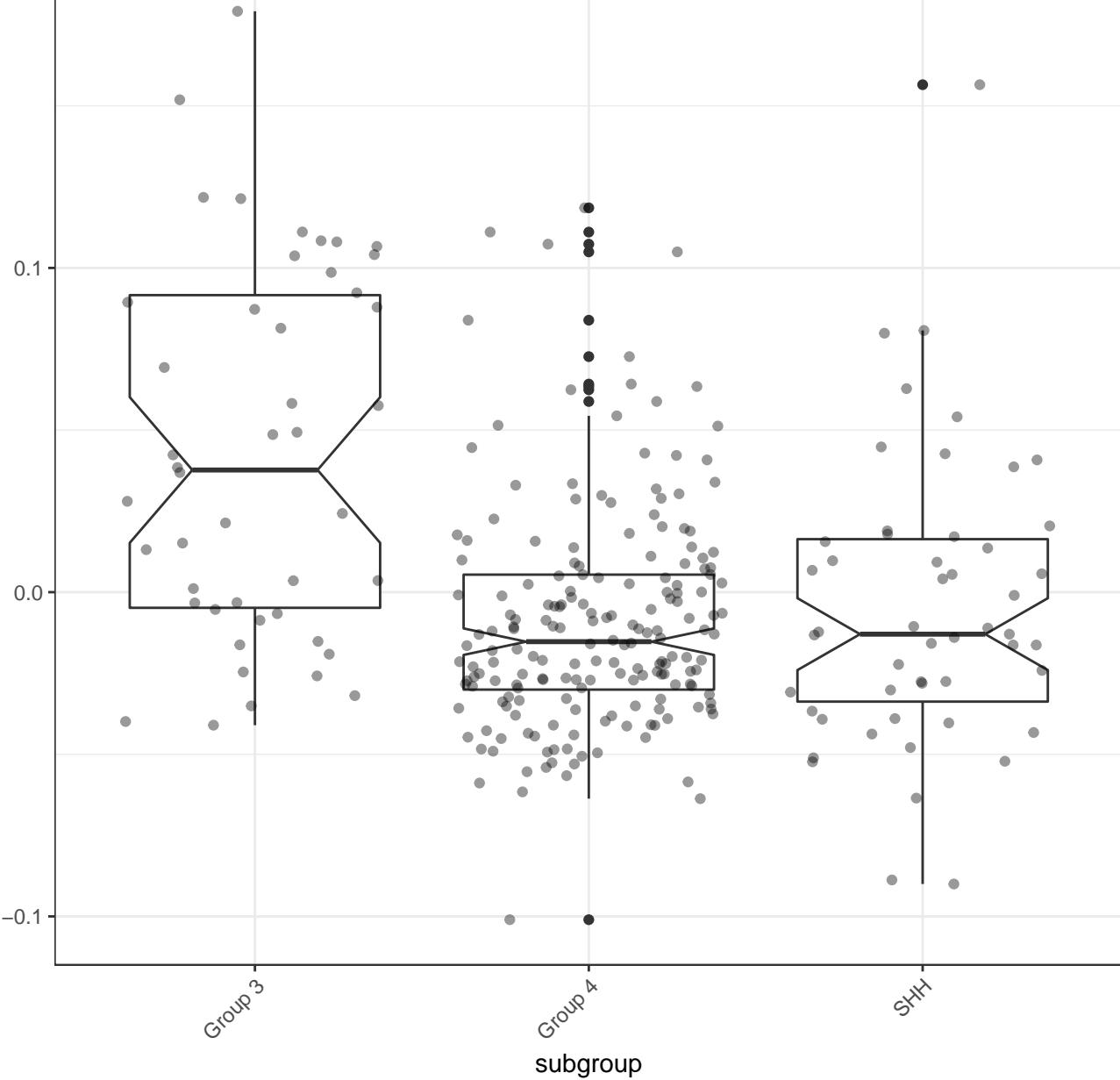


LV 247

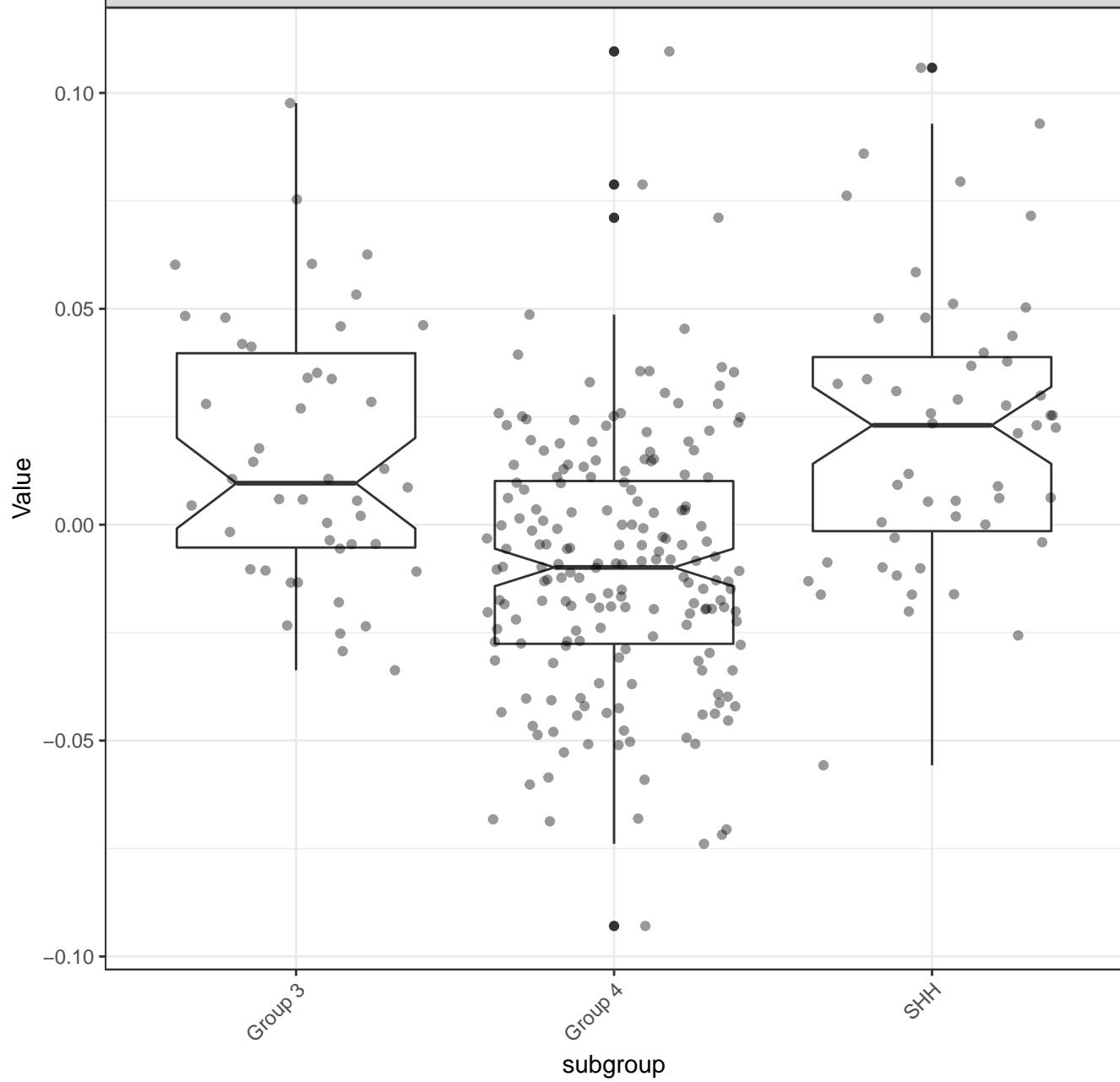




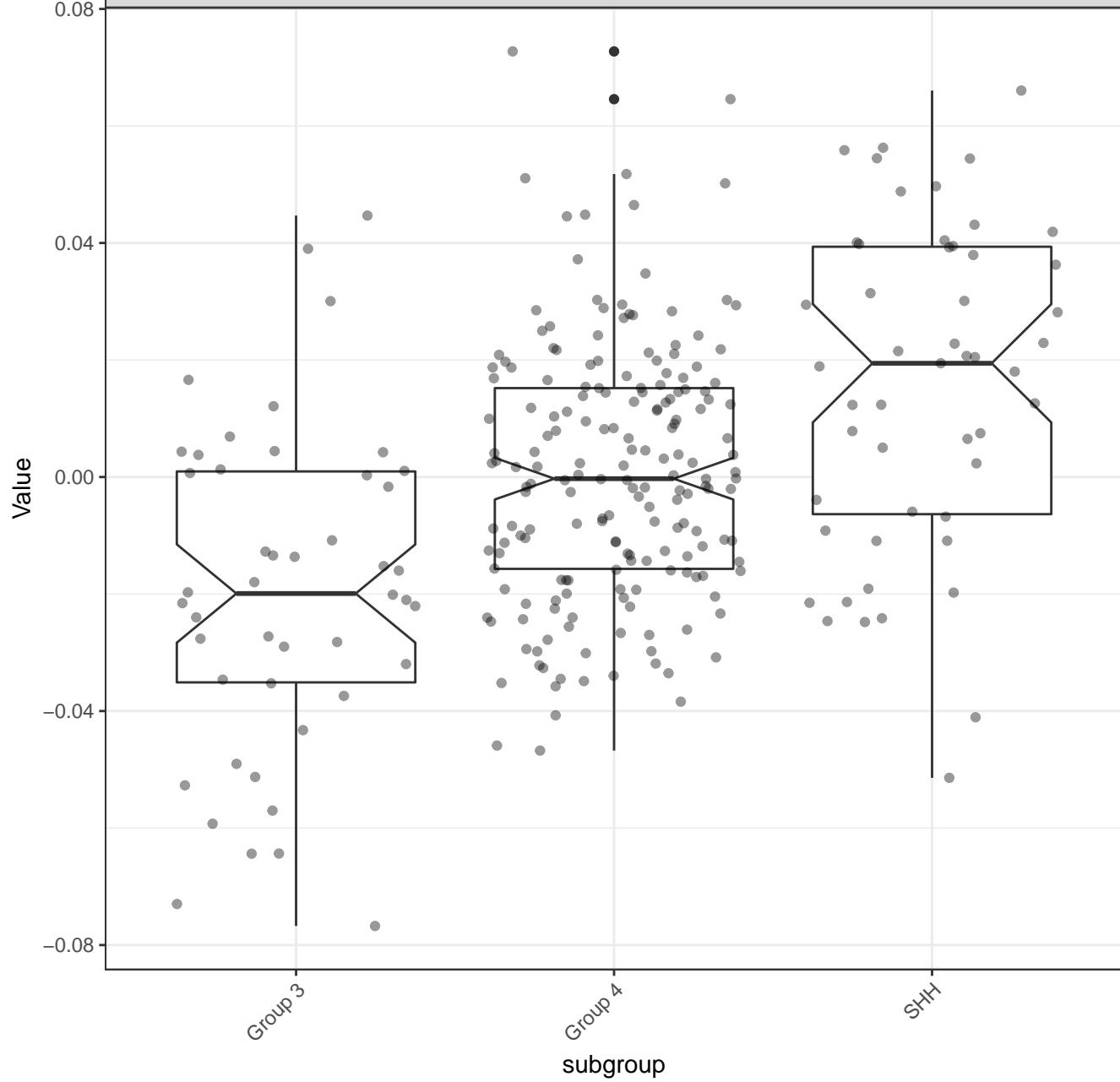
Value



LV 250



LV 251



LV 252

Value

0.10

0.05

0.00

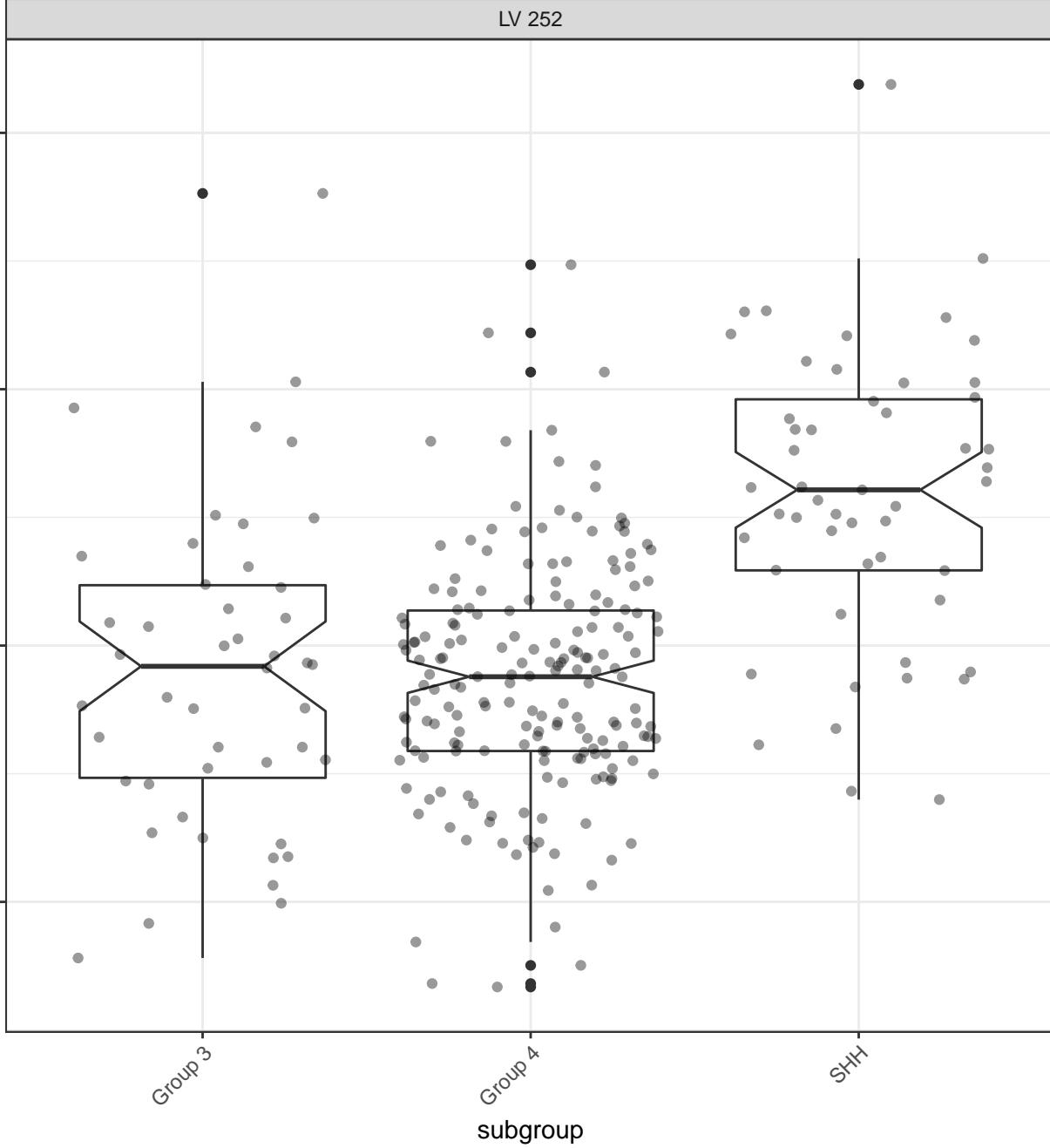
-0.05

Group 3

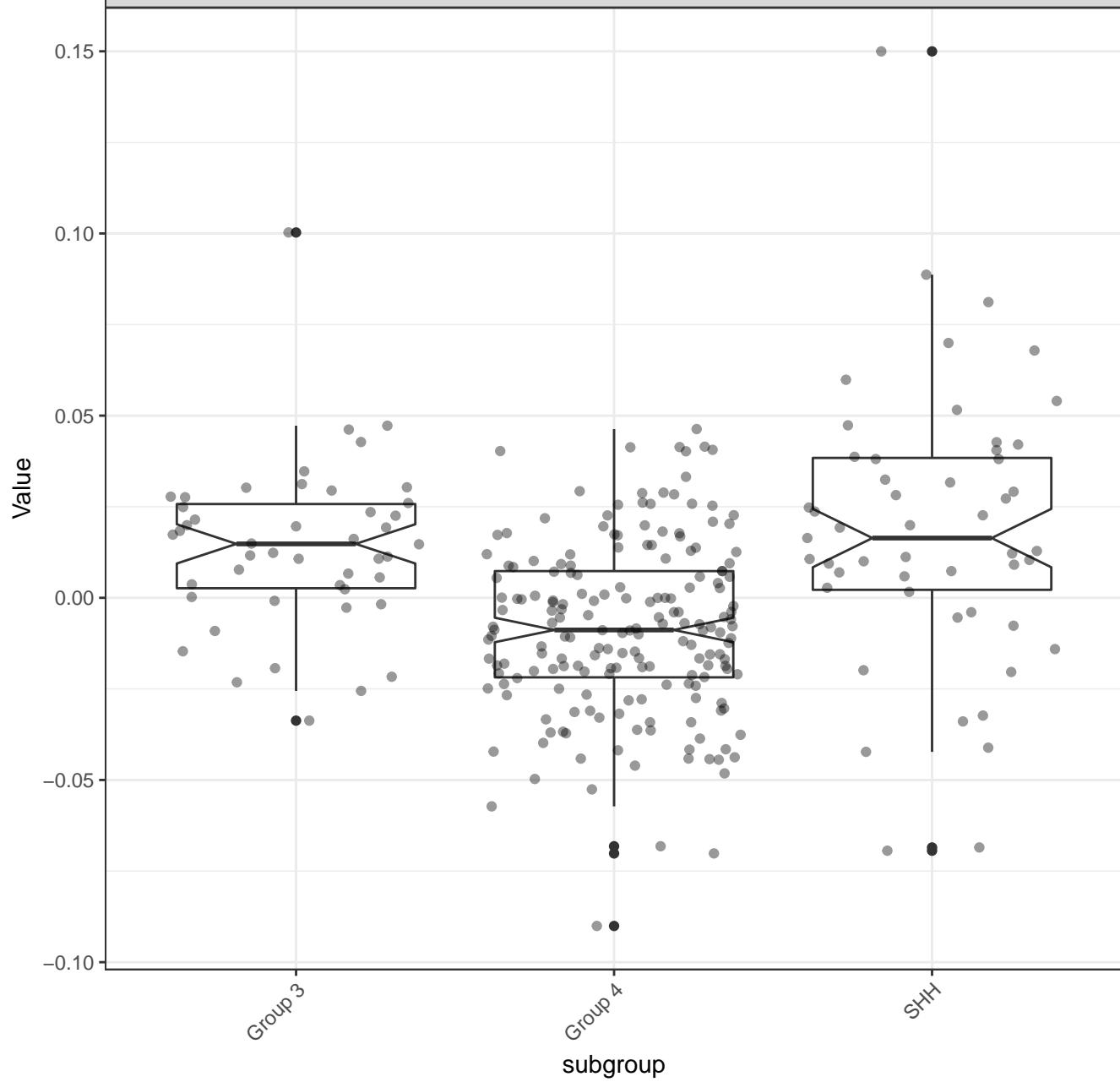
Group 4

SHH

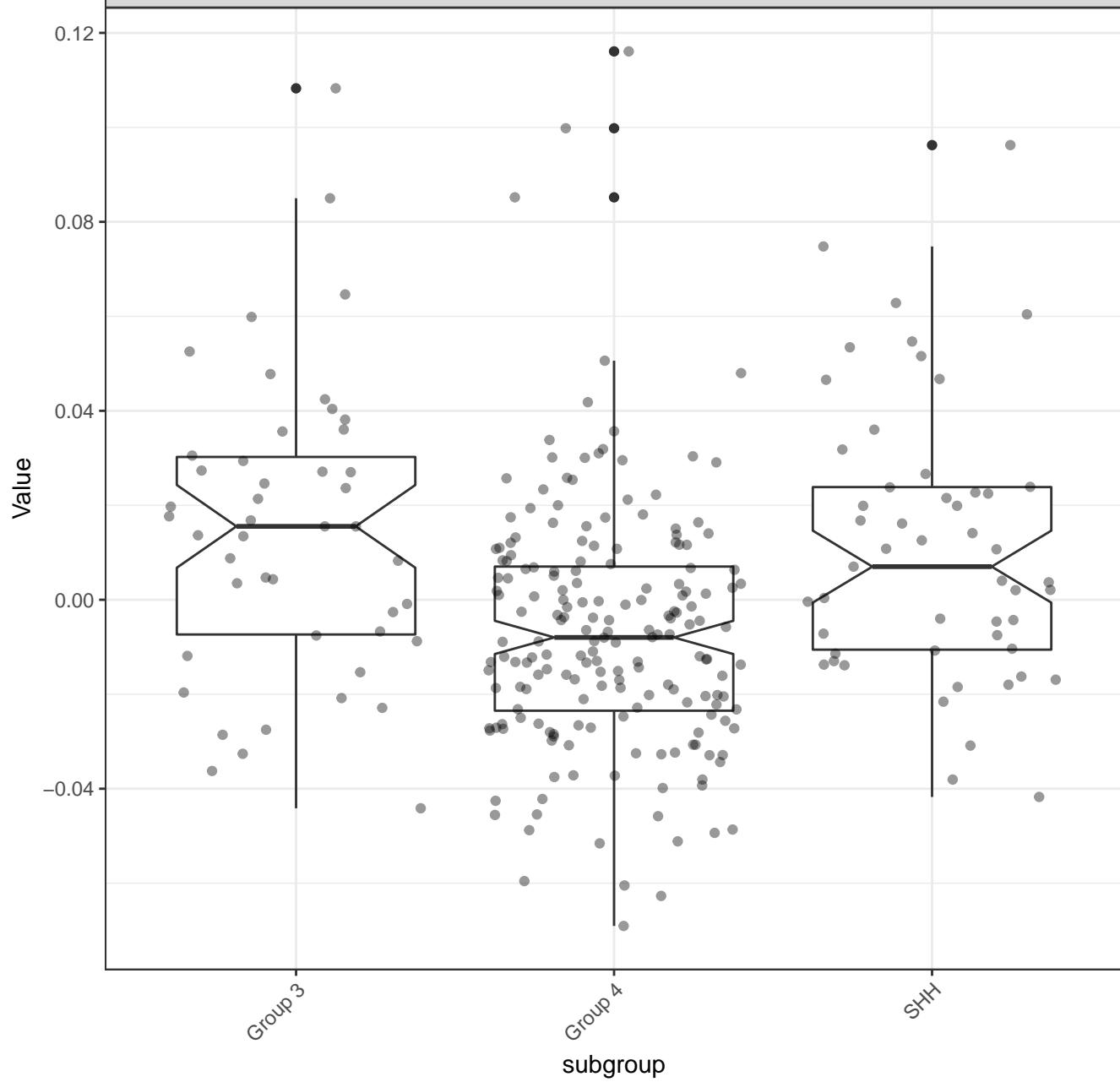
subgroup



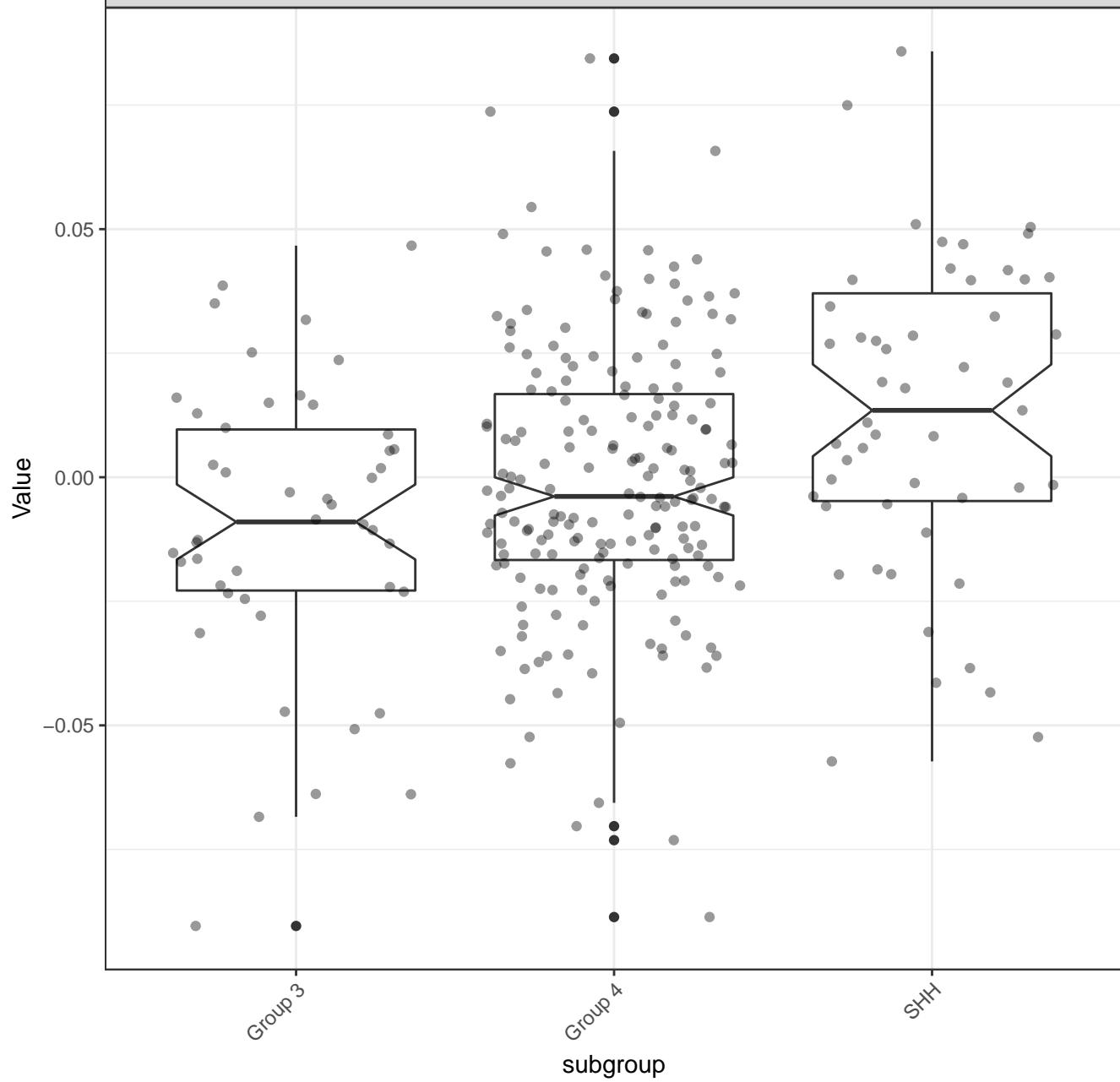
LV 253



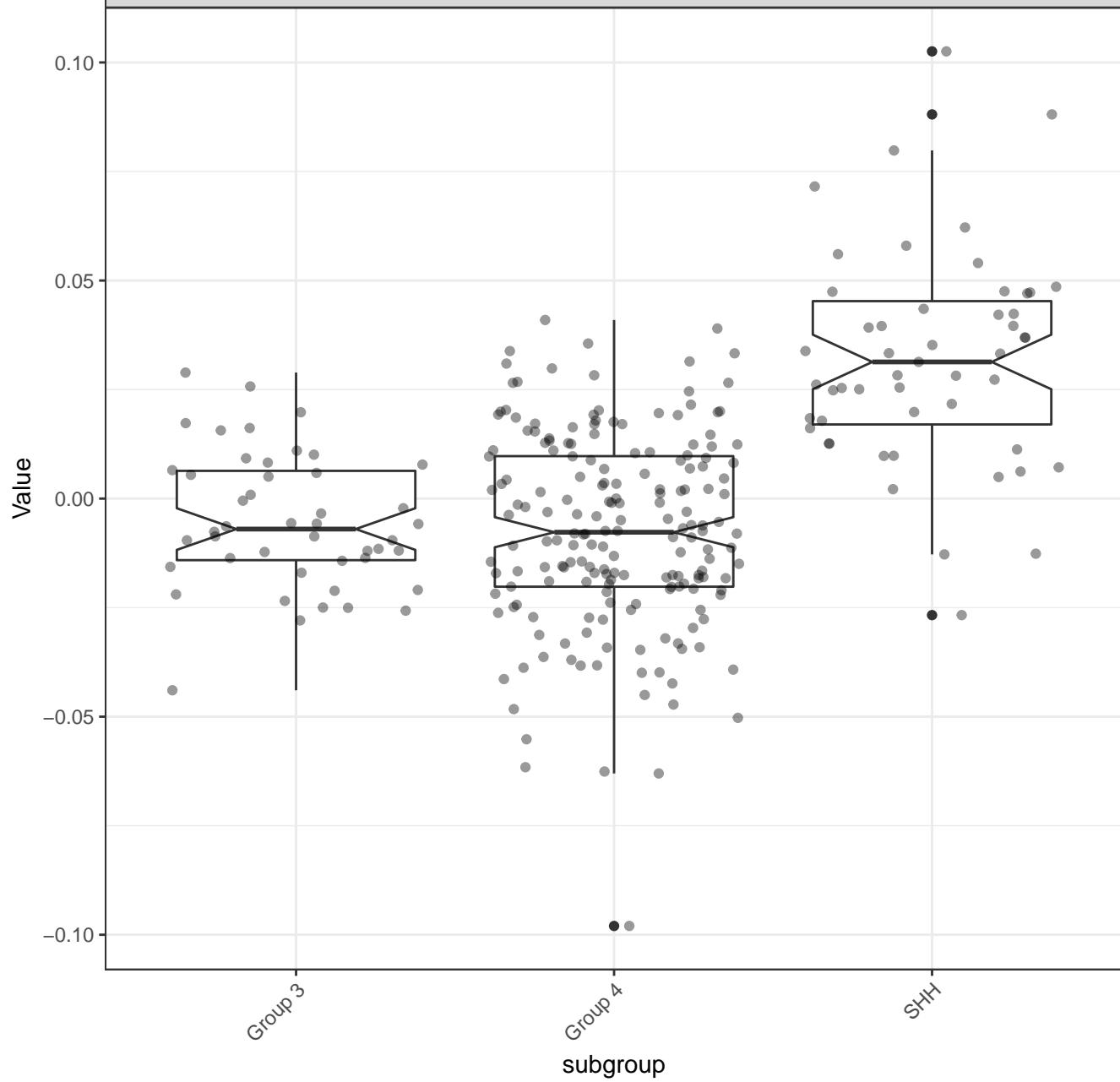
LV 254



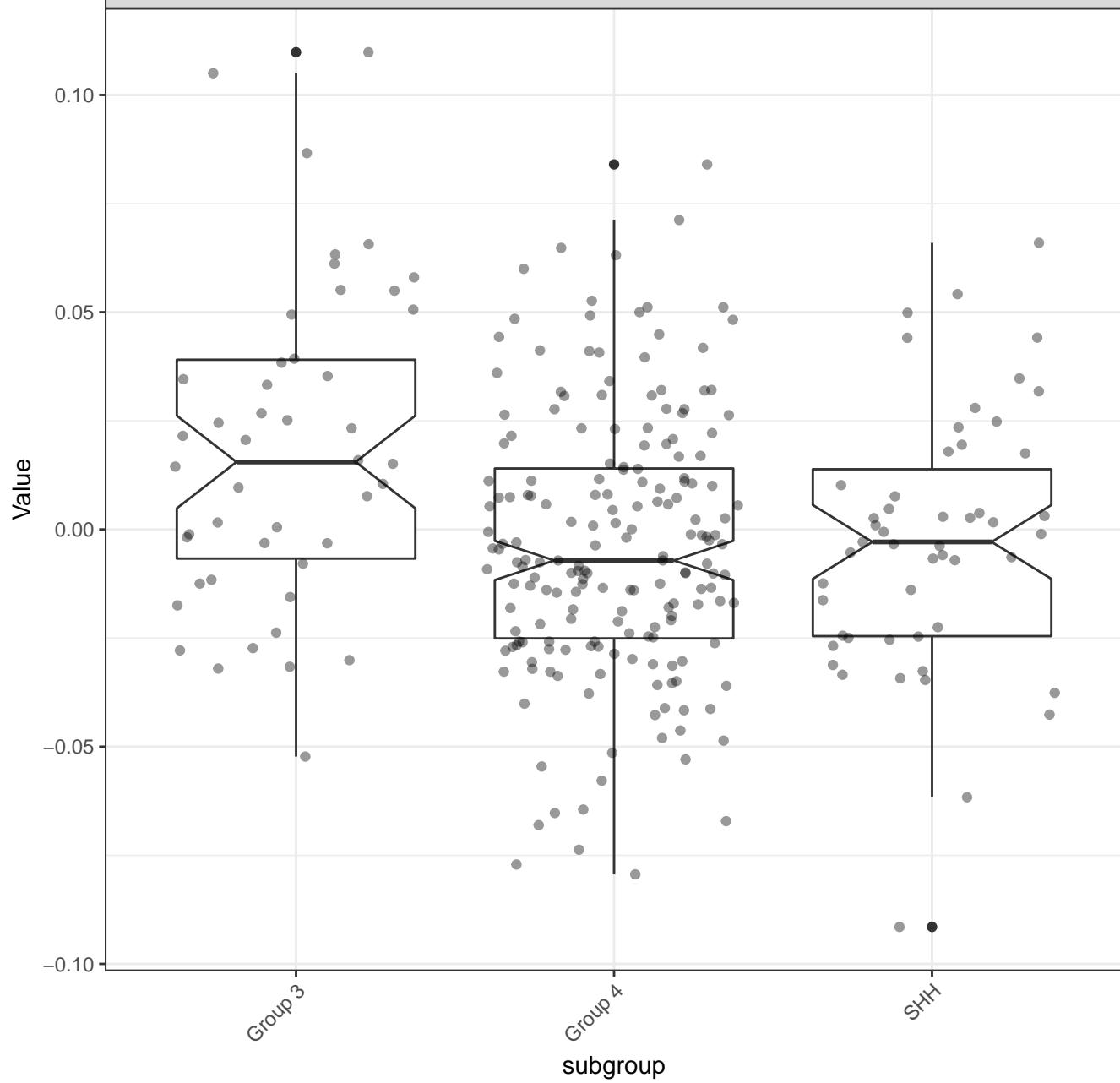
LV 255



LV 256



257,KEGG_DILATED_CARDIOMYOPATHY



LV 258

Value

0.05

0.00

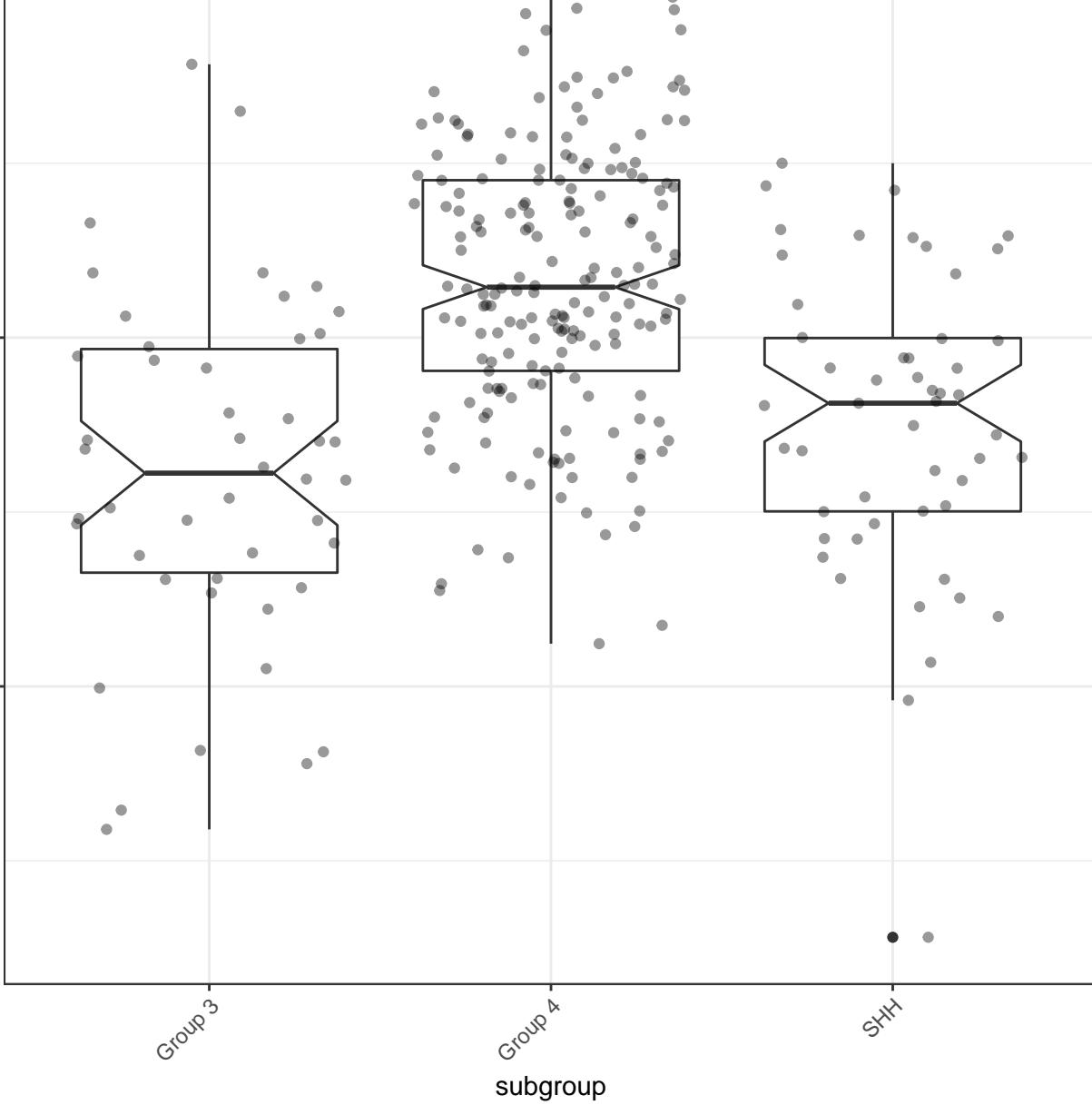
-0.05

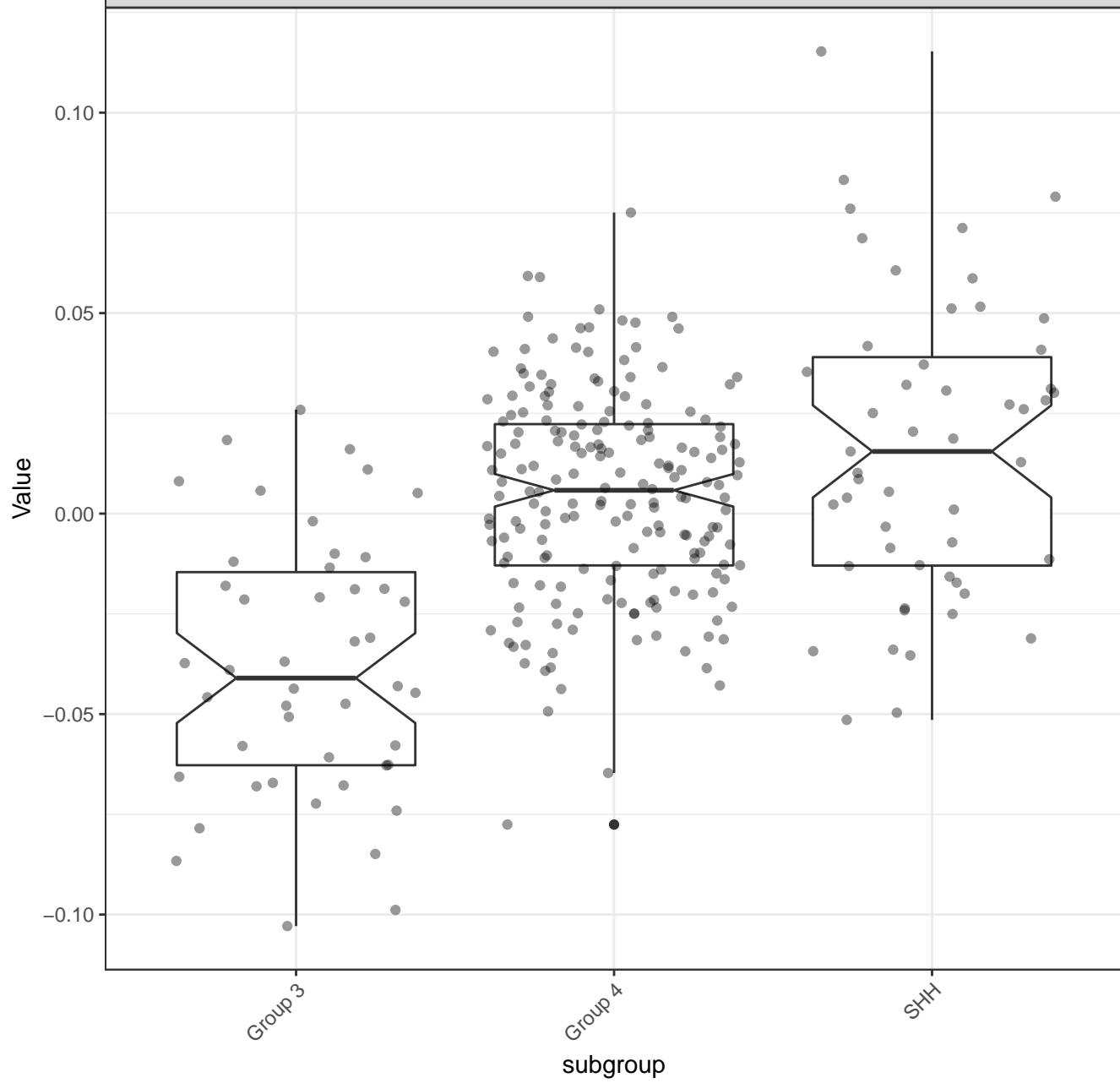
Group 3

Group 4

SHH

subgroup





LV 260

Value

0.10

0.05

0.00

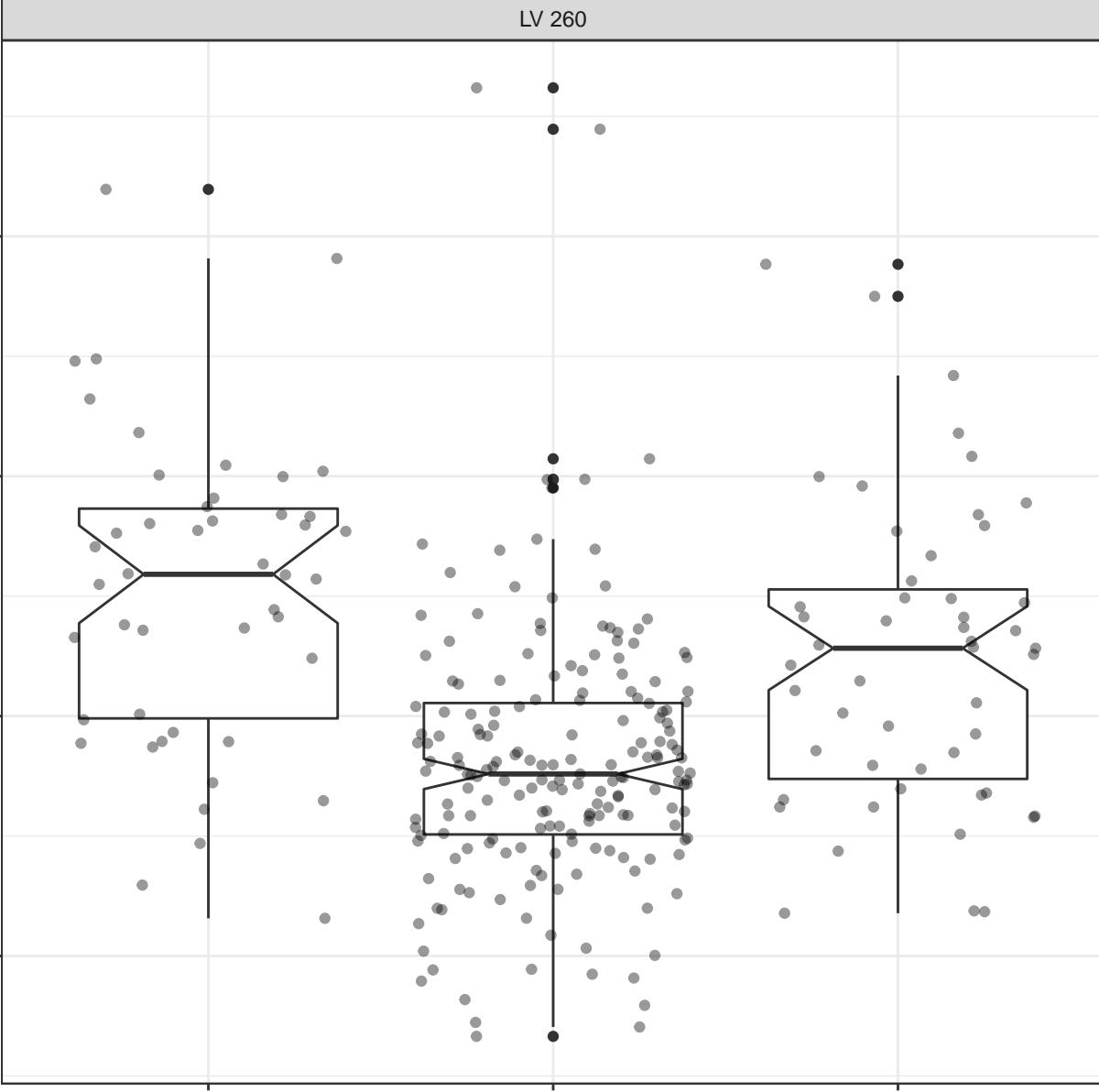
-0.05

Group 3

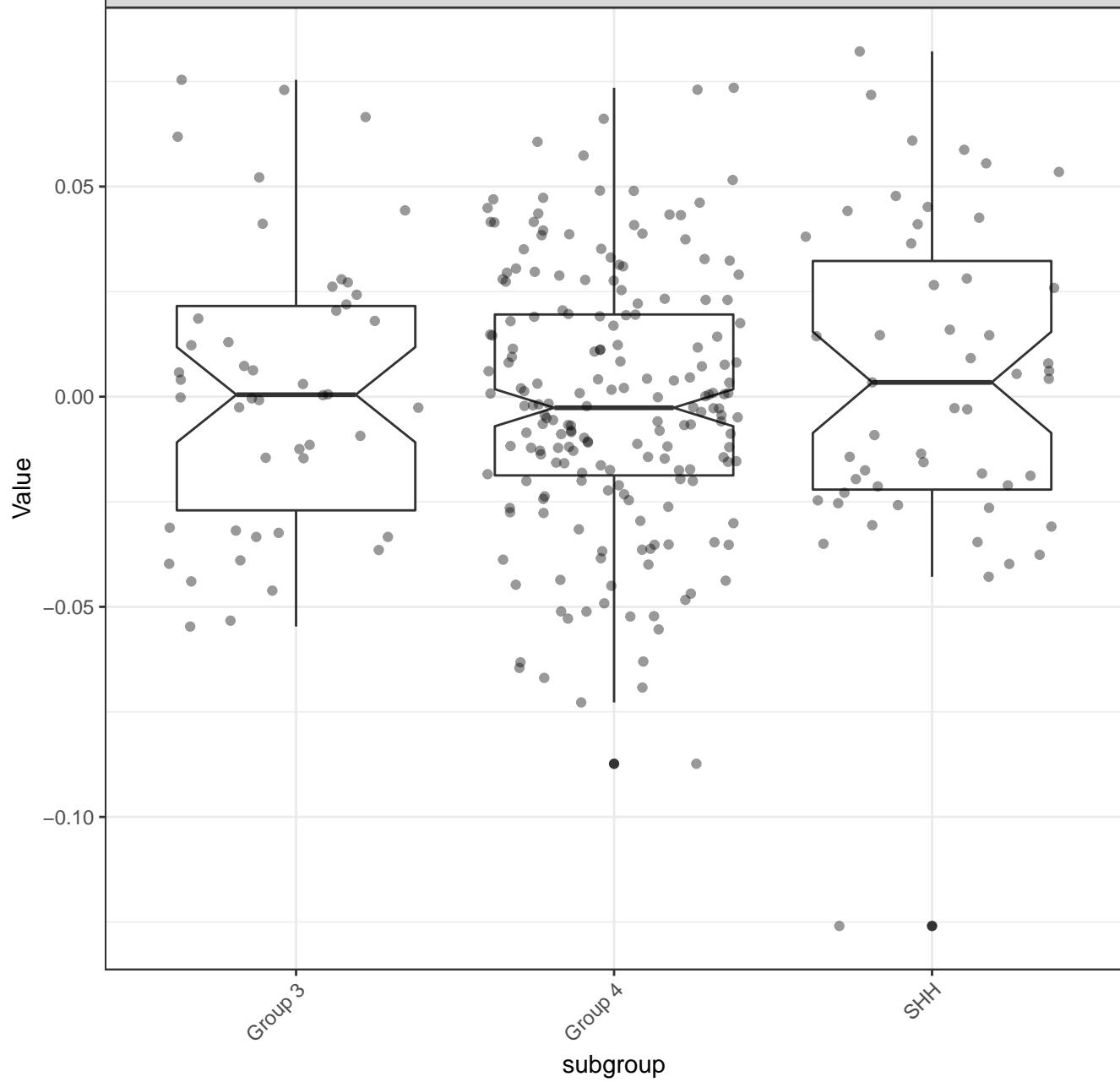
subgroup

Group 4

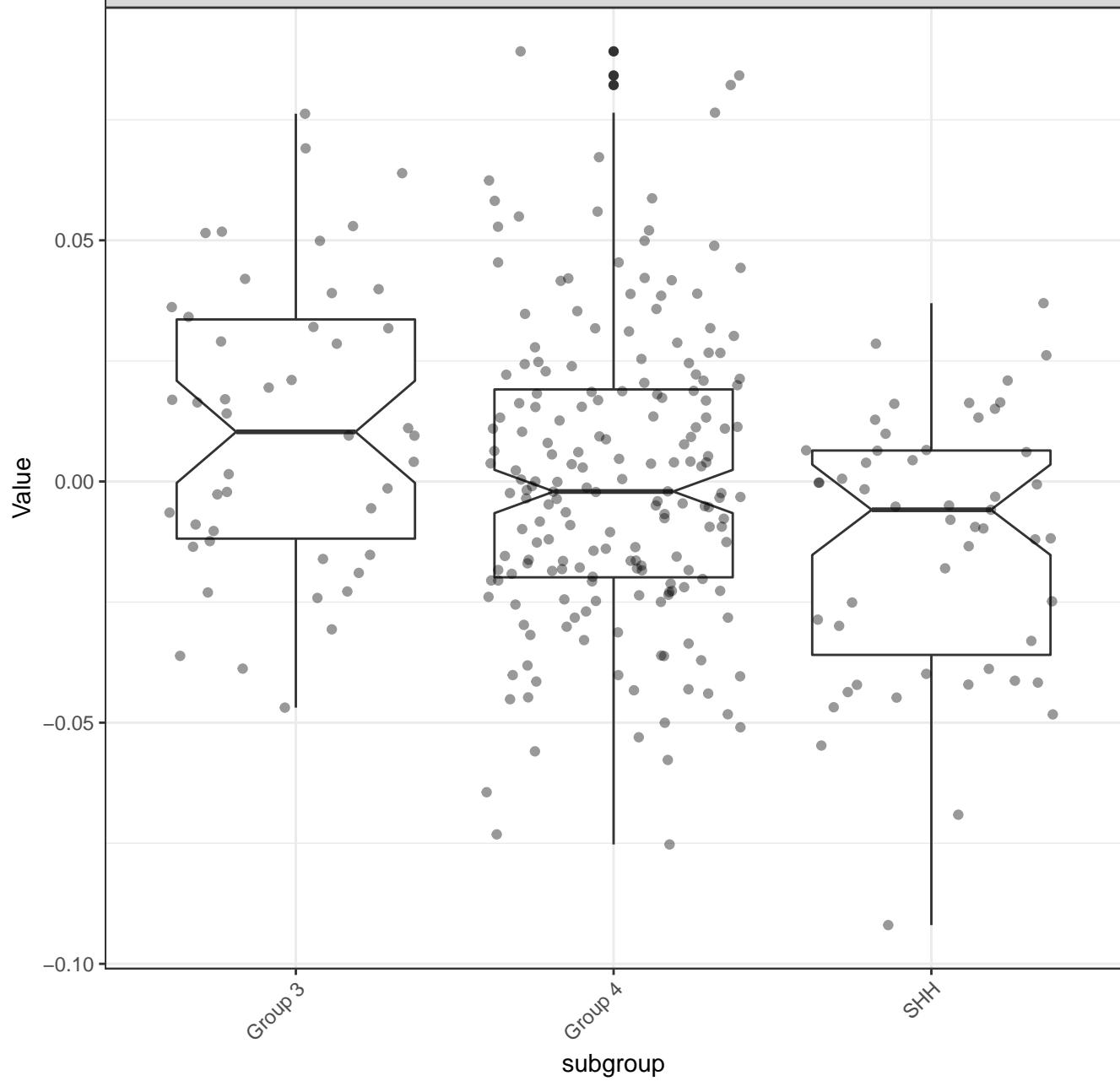
SHH

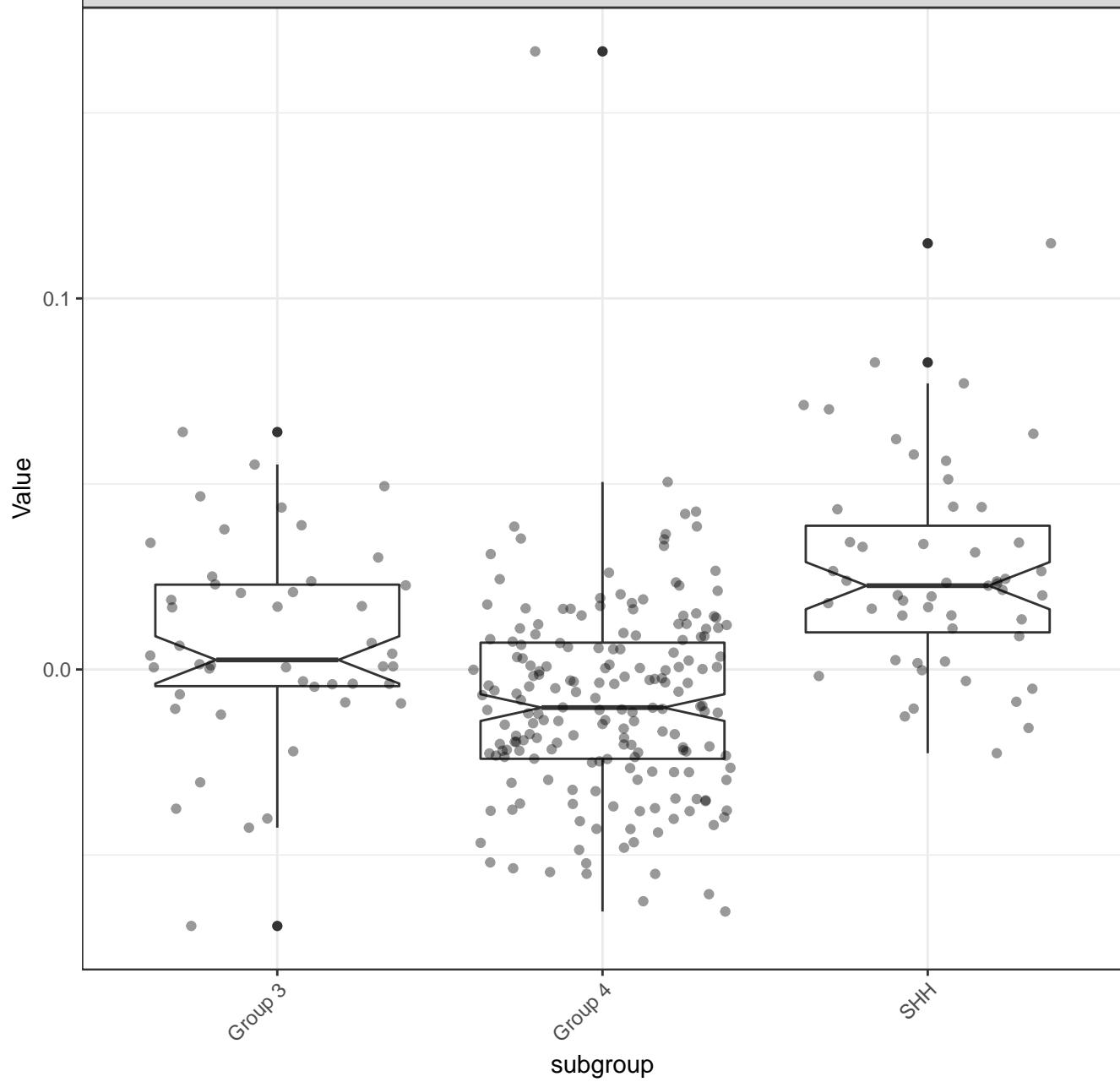


LV 261

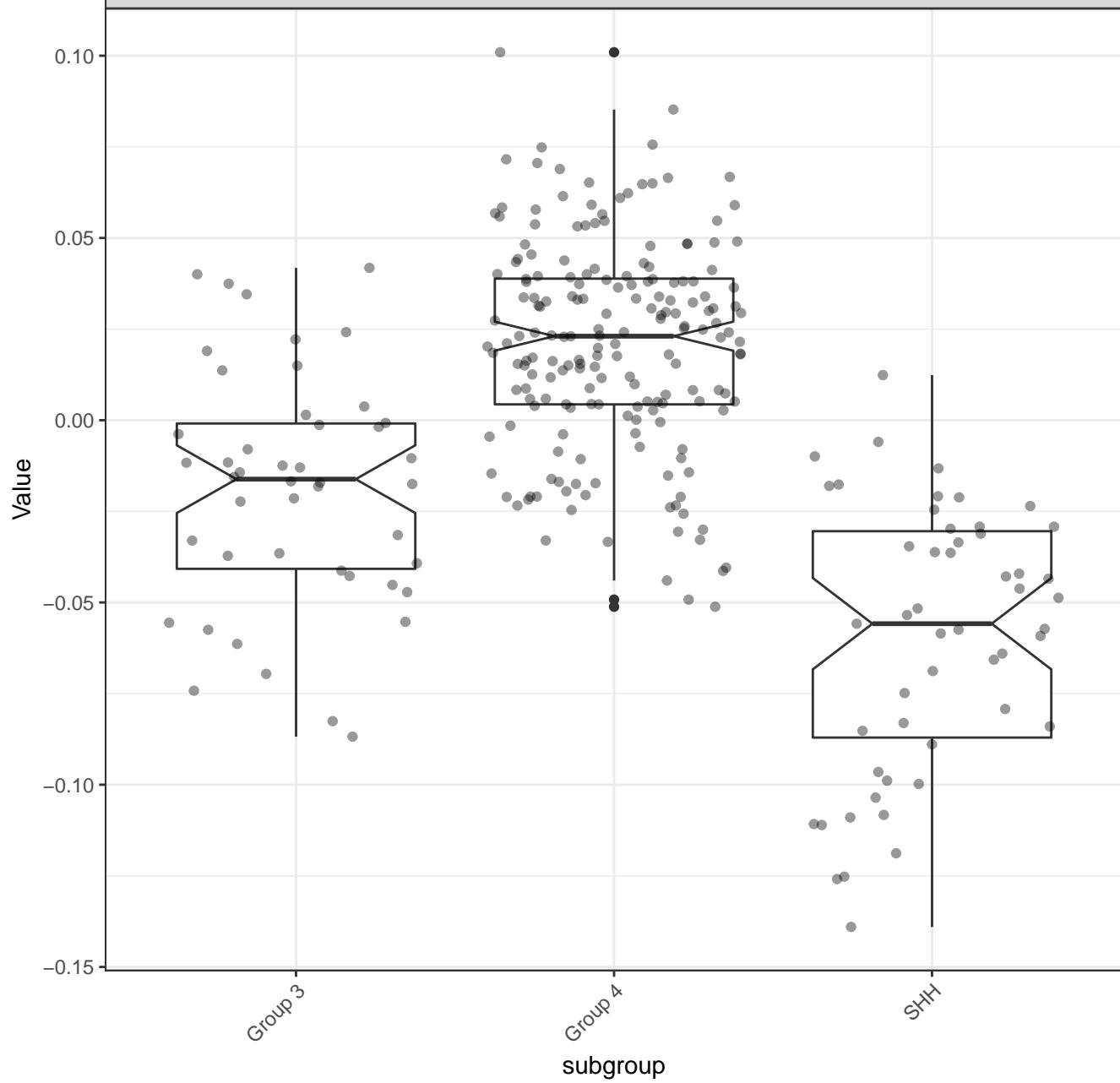


LV 262





264,DMAP_MEGA2



LV 265

Value

0.05

0.00

-0.05

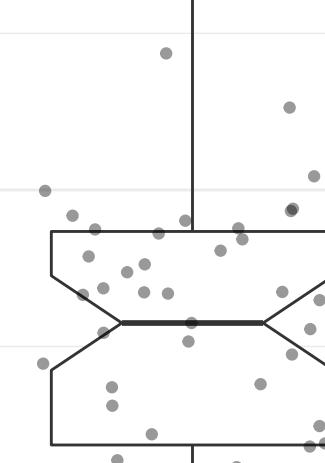
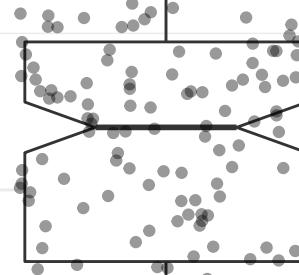
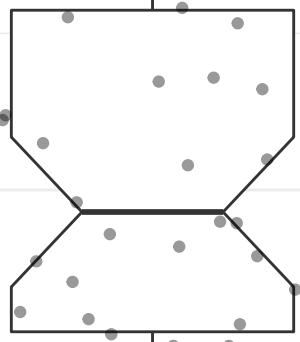
-0.10

Group 3

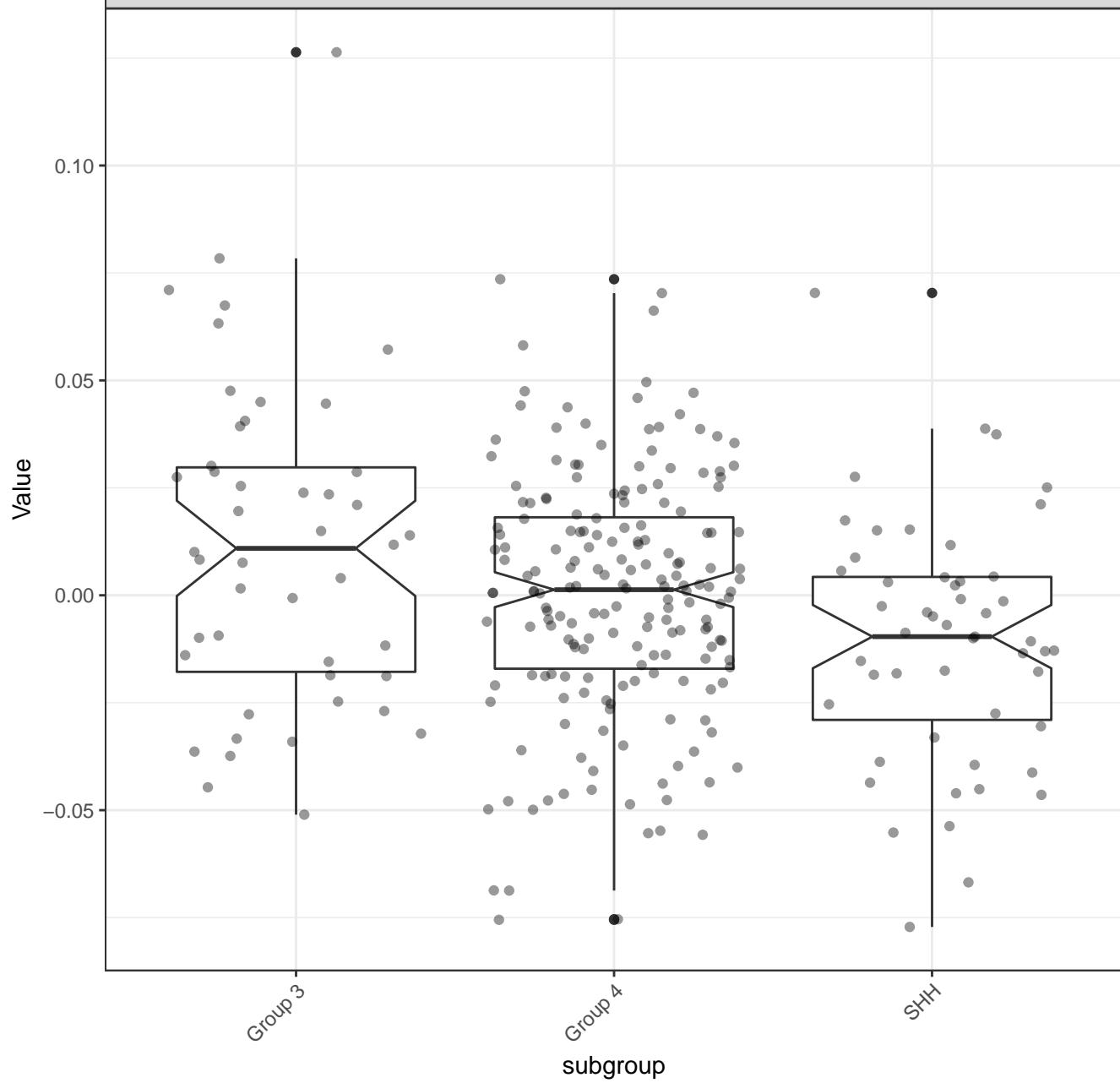
subgroup

Group 4

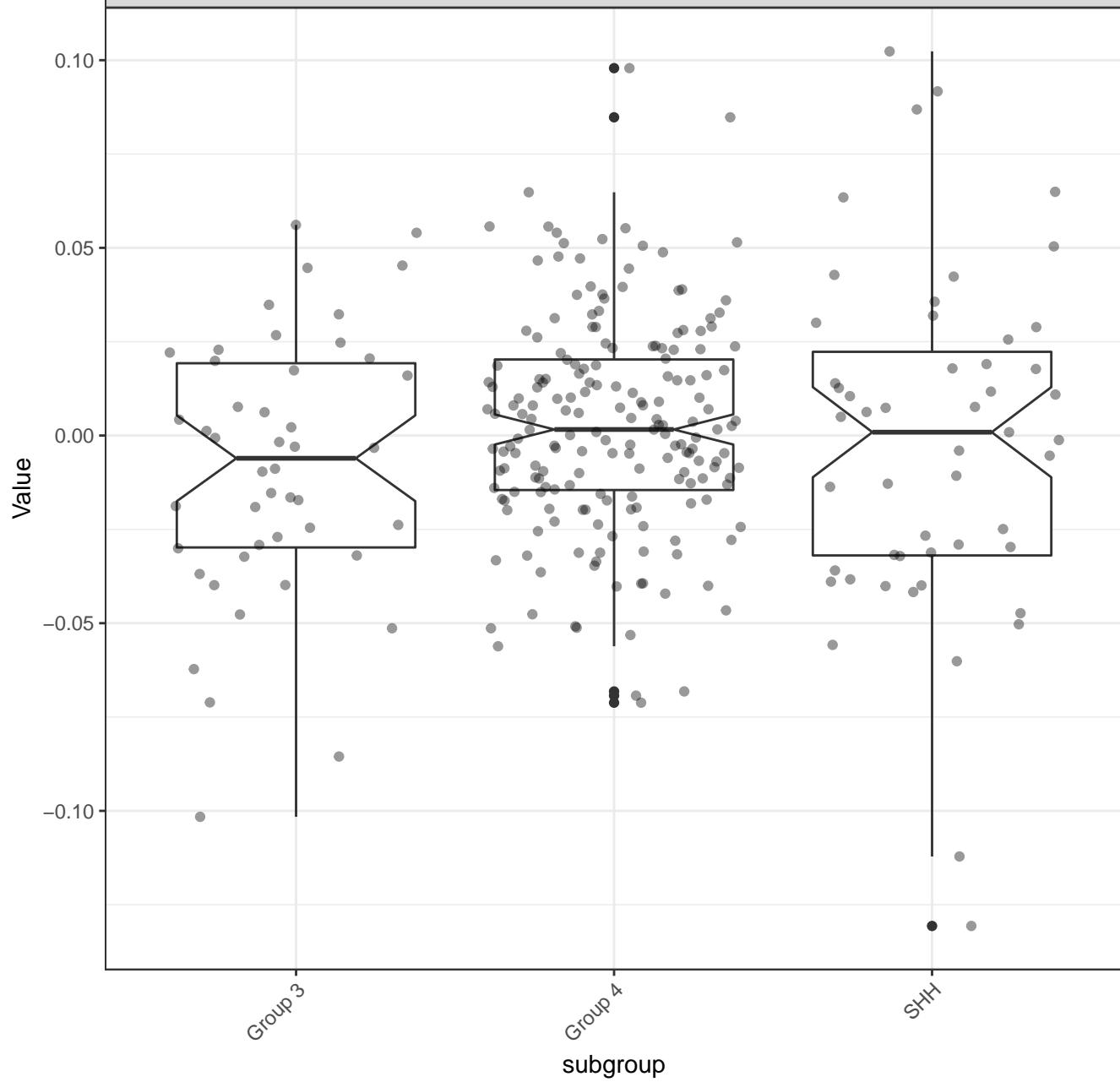
SHH



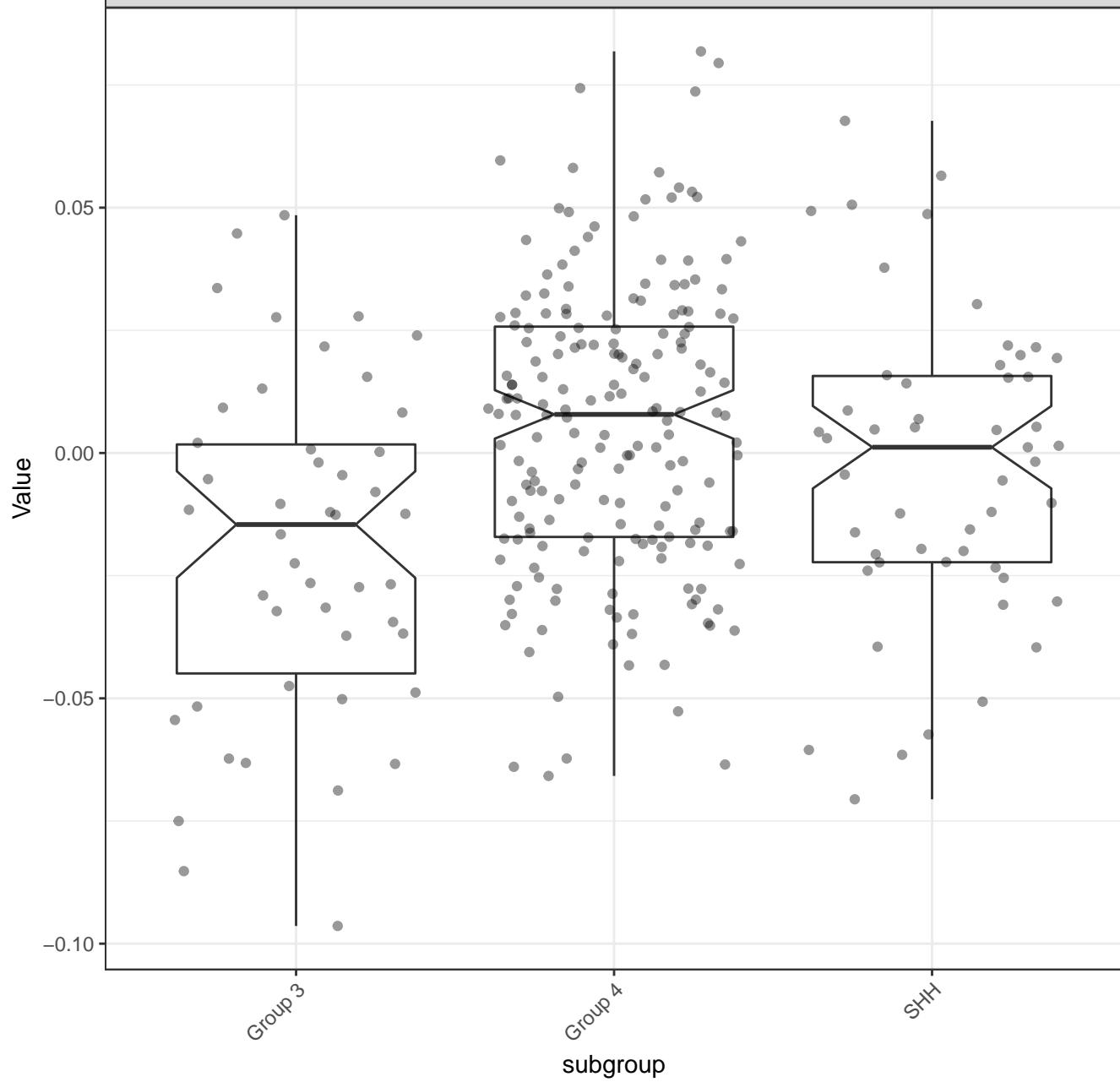
266,PID_FASPATHWAY



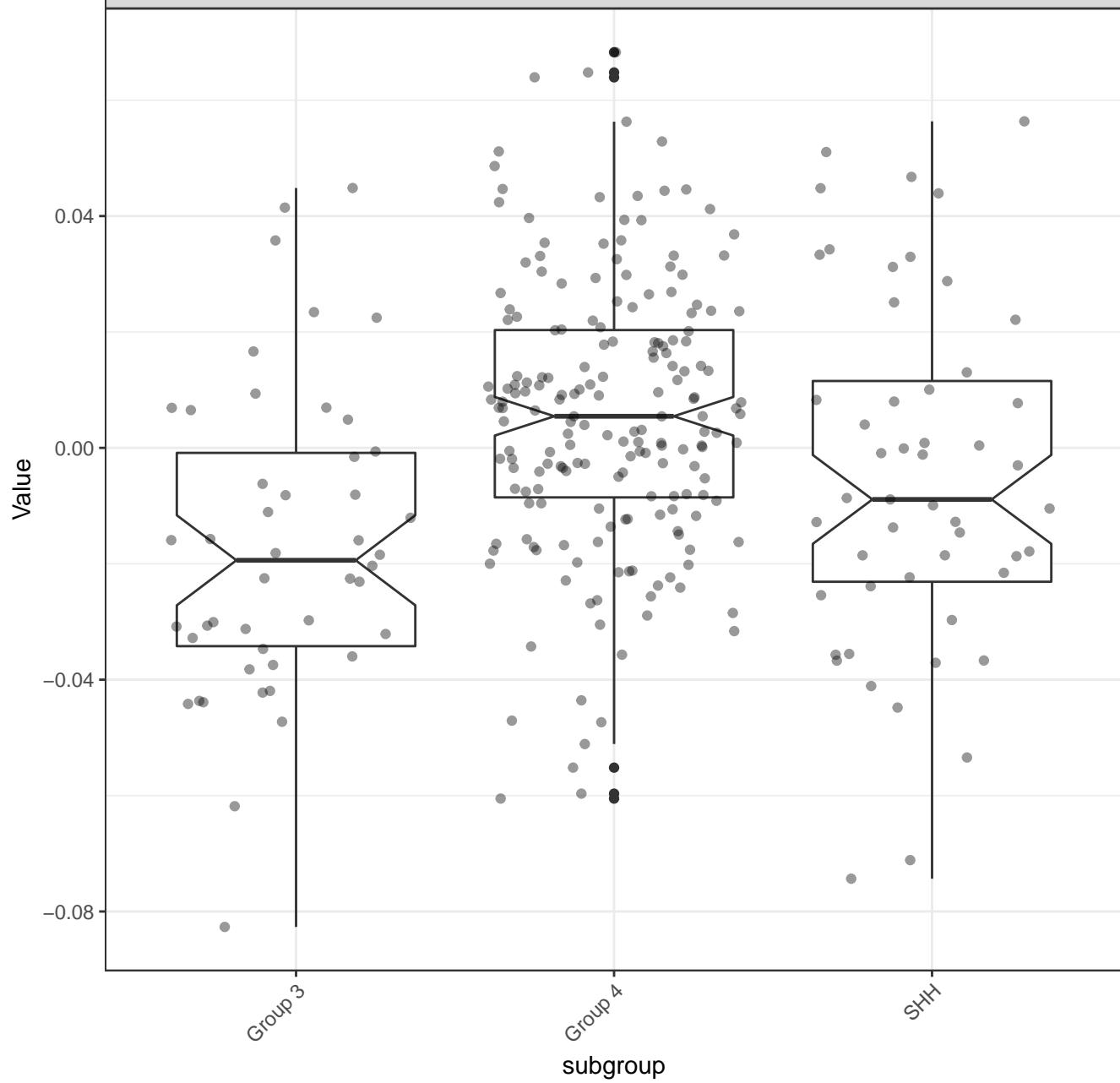
LV 267



LV 268



LV 269



Value

0.05

0.00

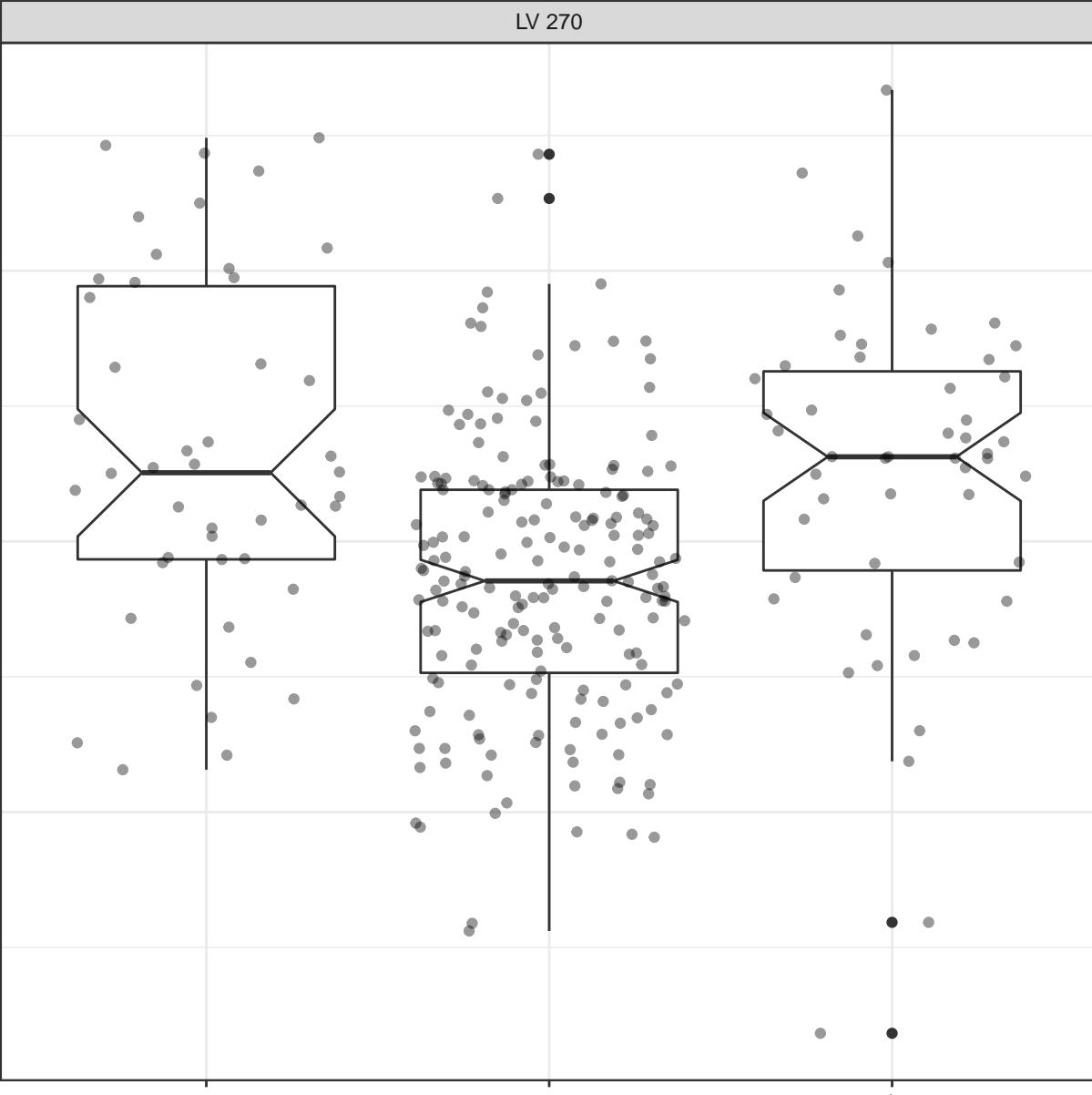
-0.05

Group 3

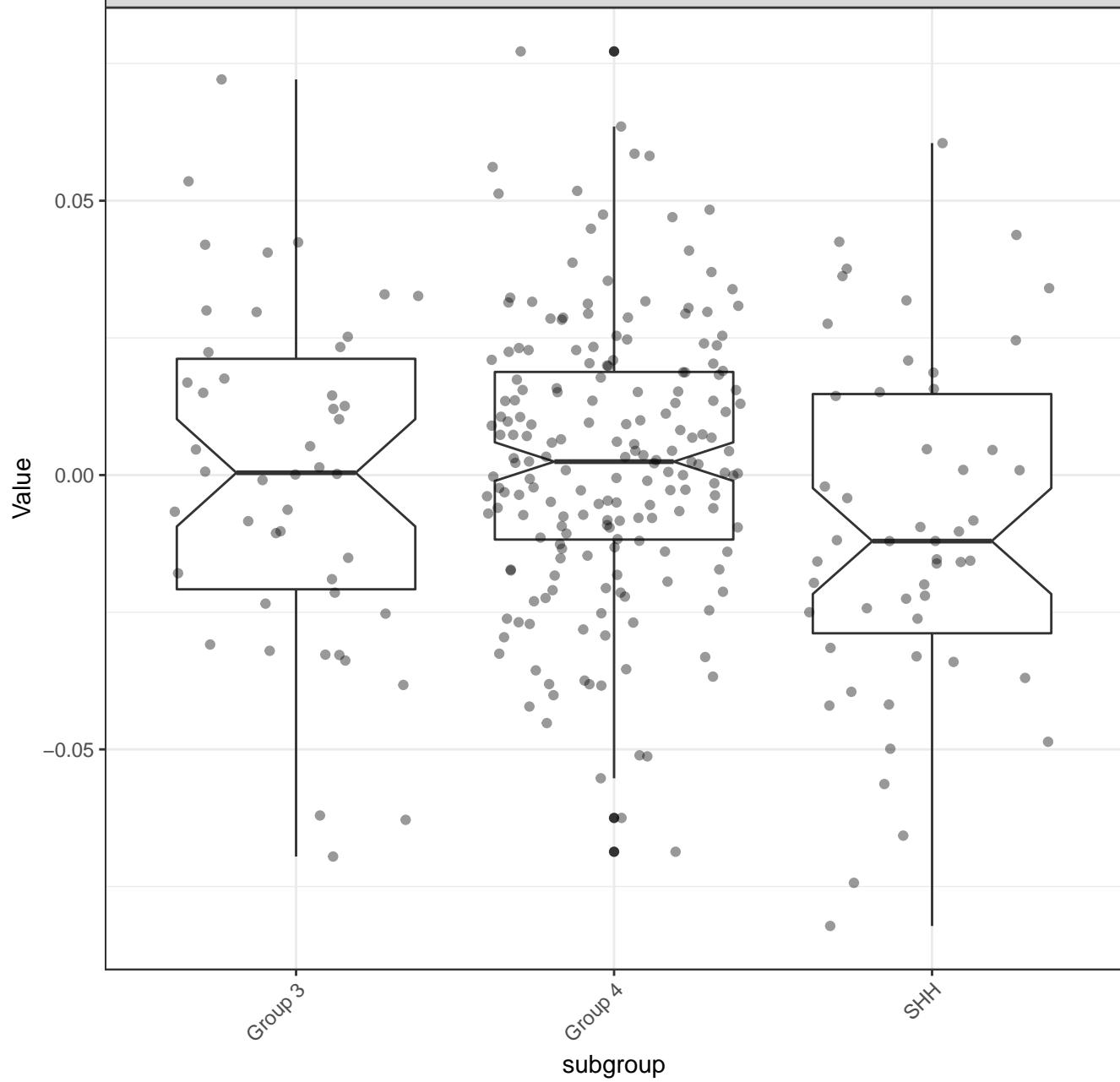
subgroup

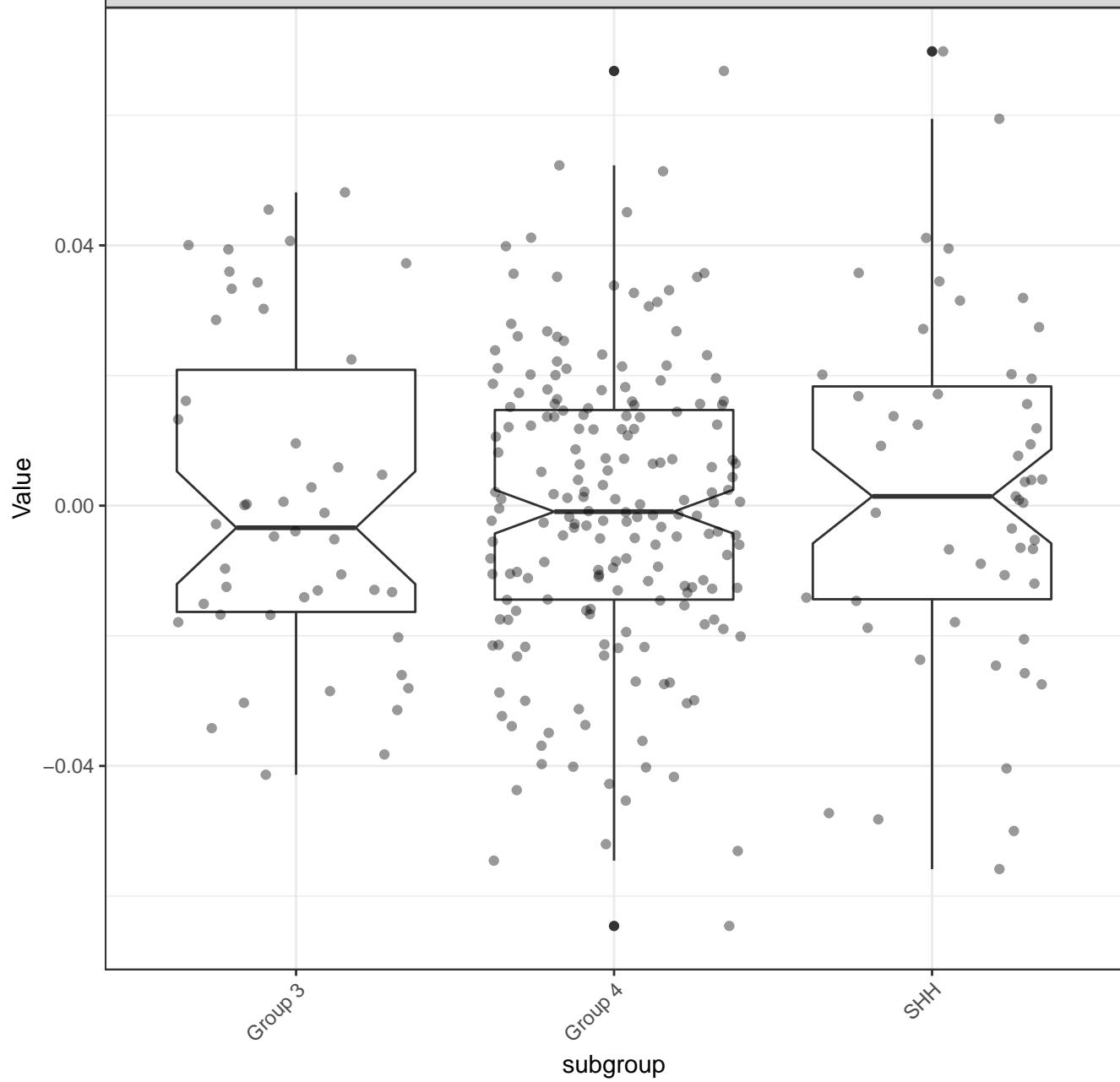
Group 4

SHH

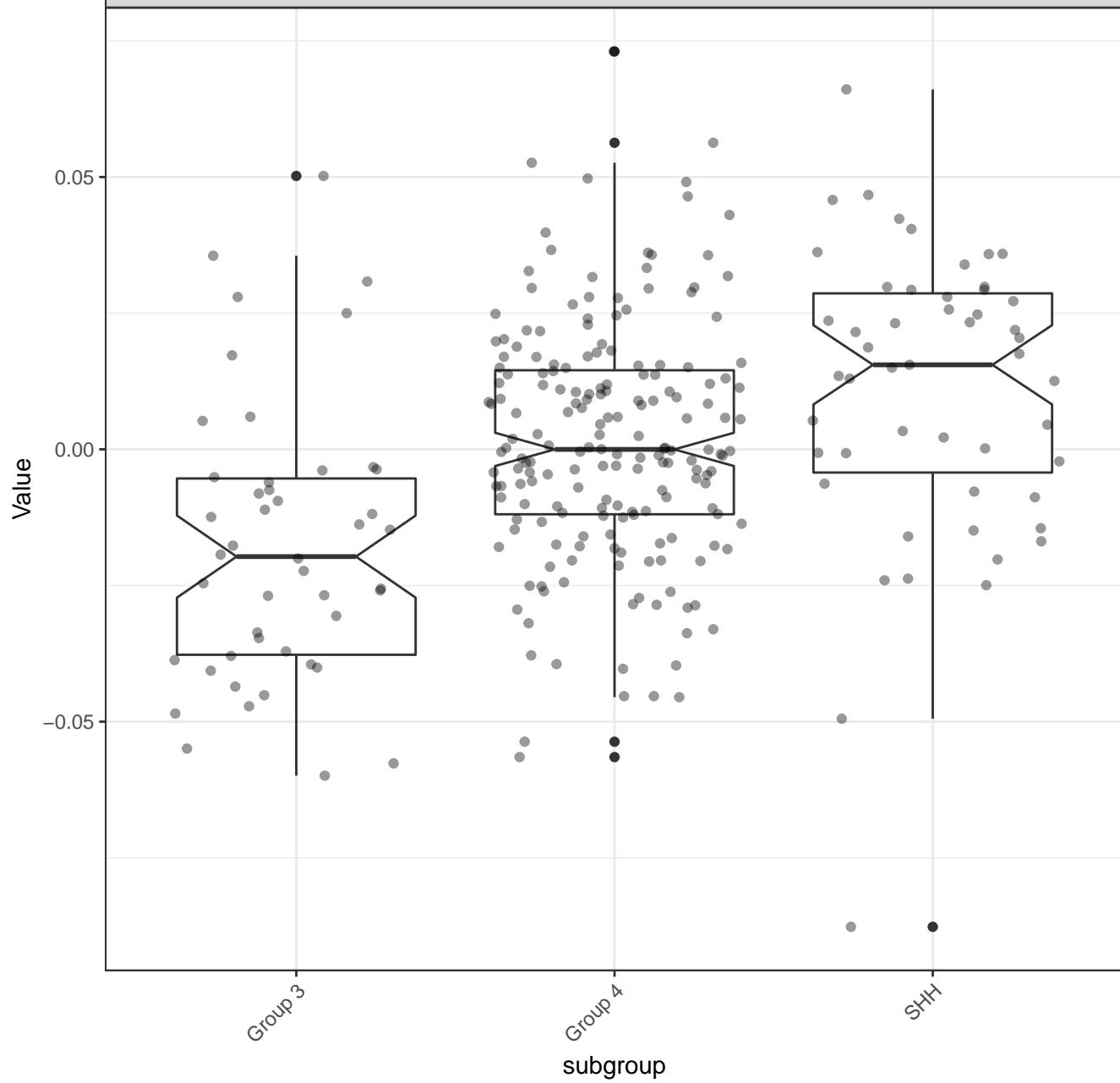


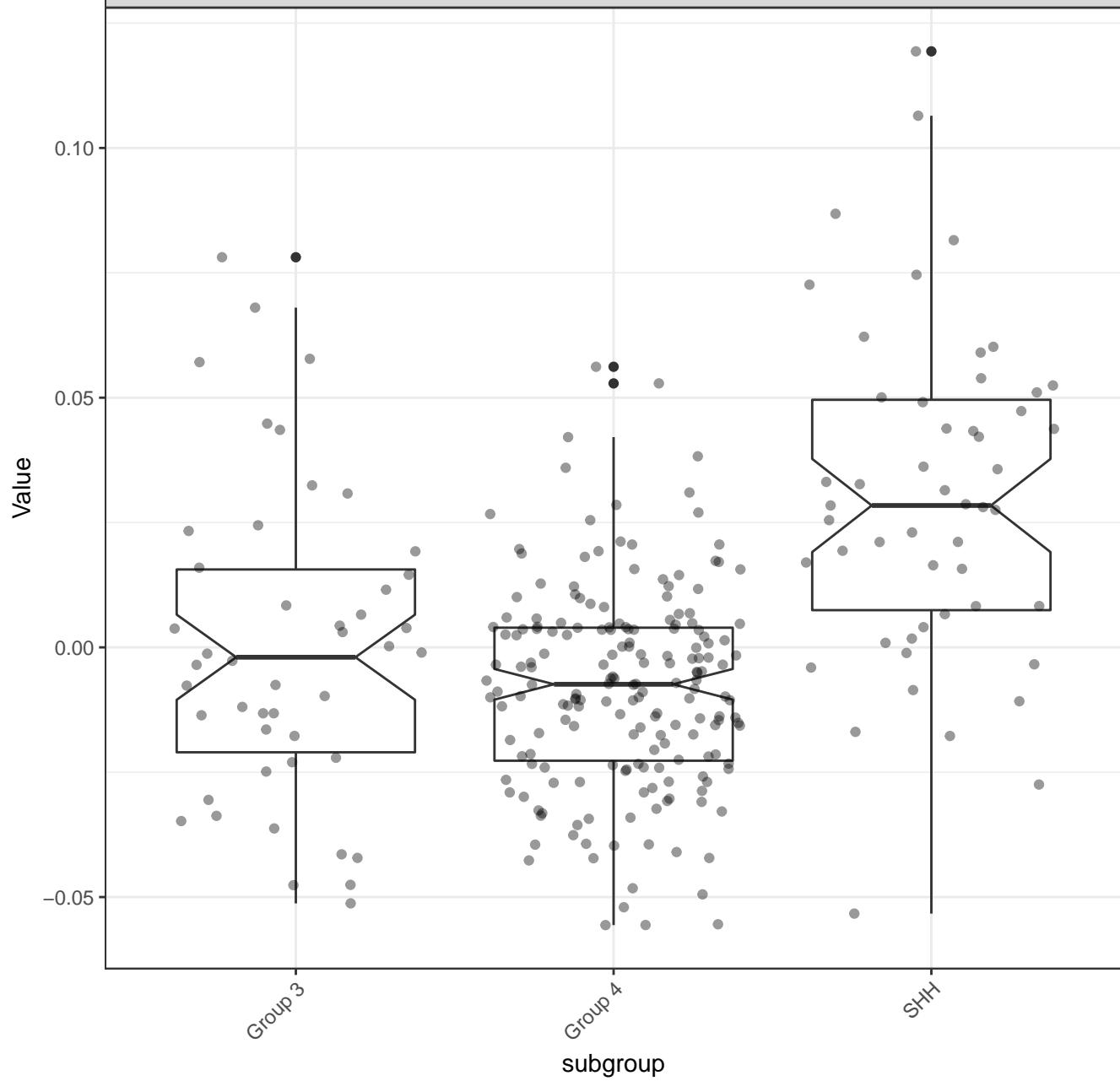
LV 271





LV 273





LV 275

Value

0.10

0.05

0.00

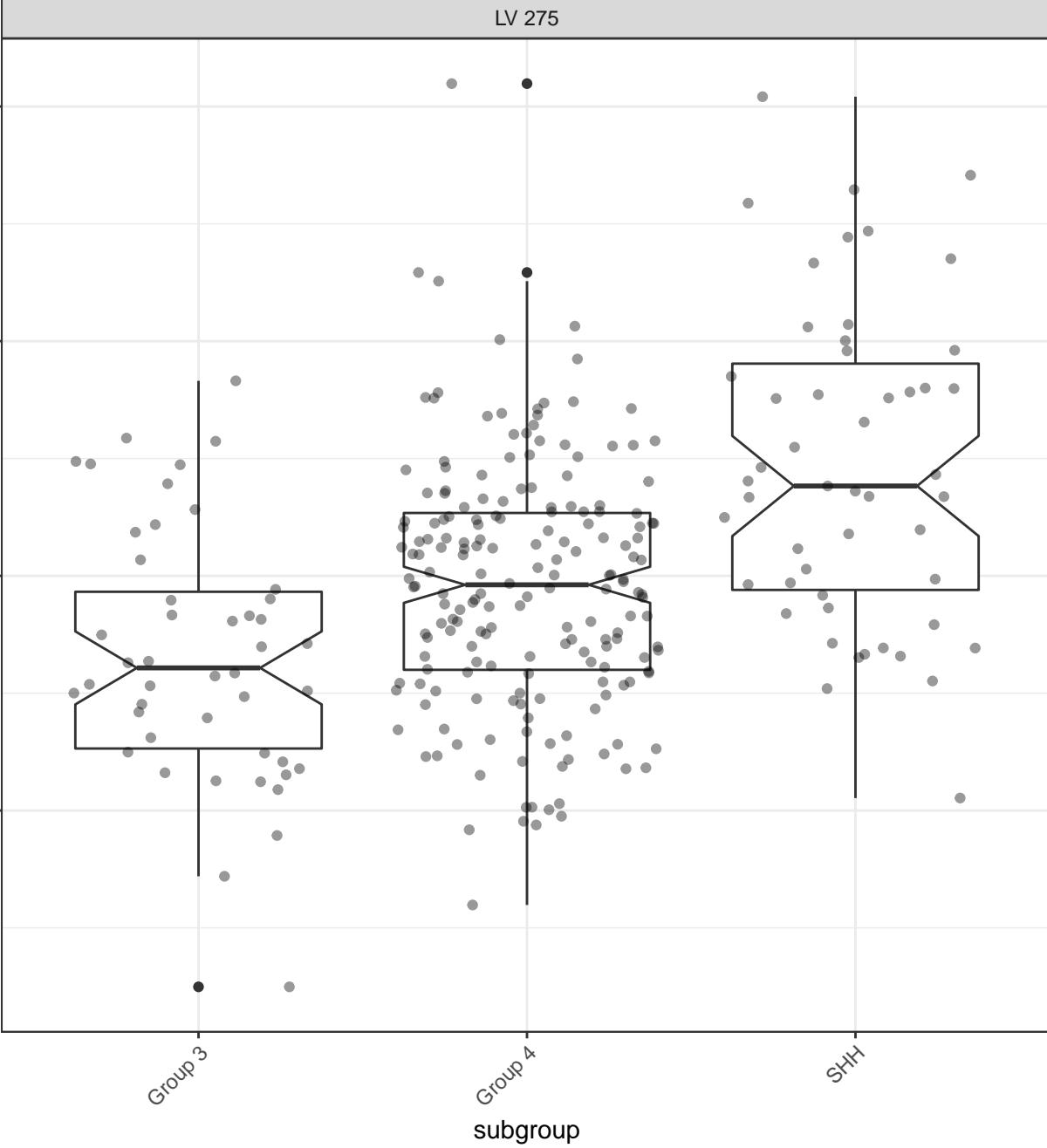
-0.05

Group 3

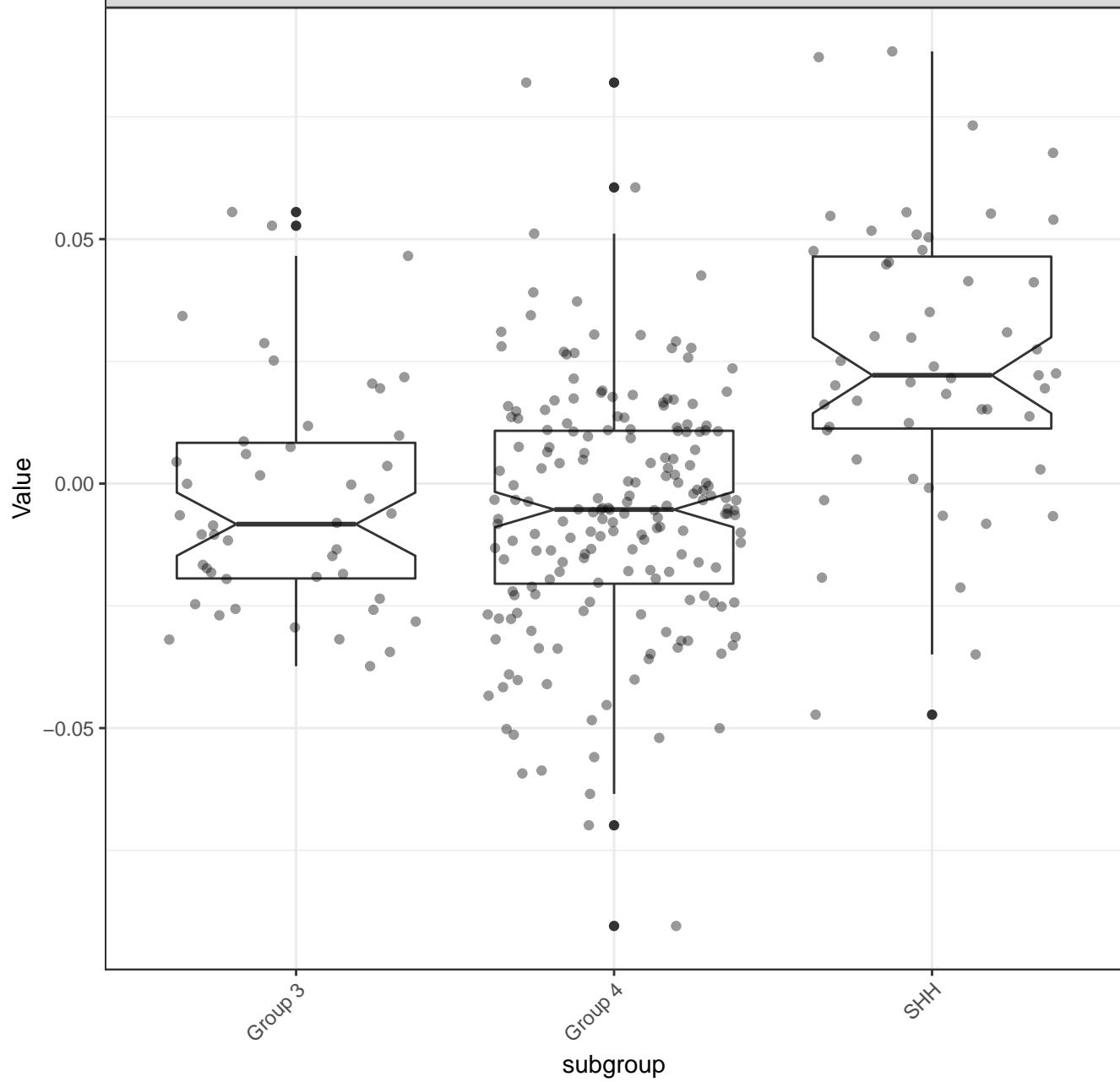
Group 4

SHH

subgroup



LV 276



LV 277

Value

0.10

0.05

0.00

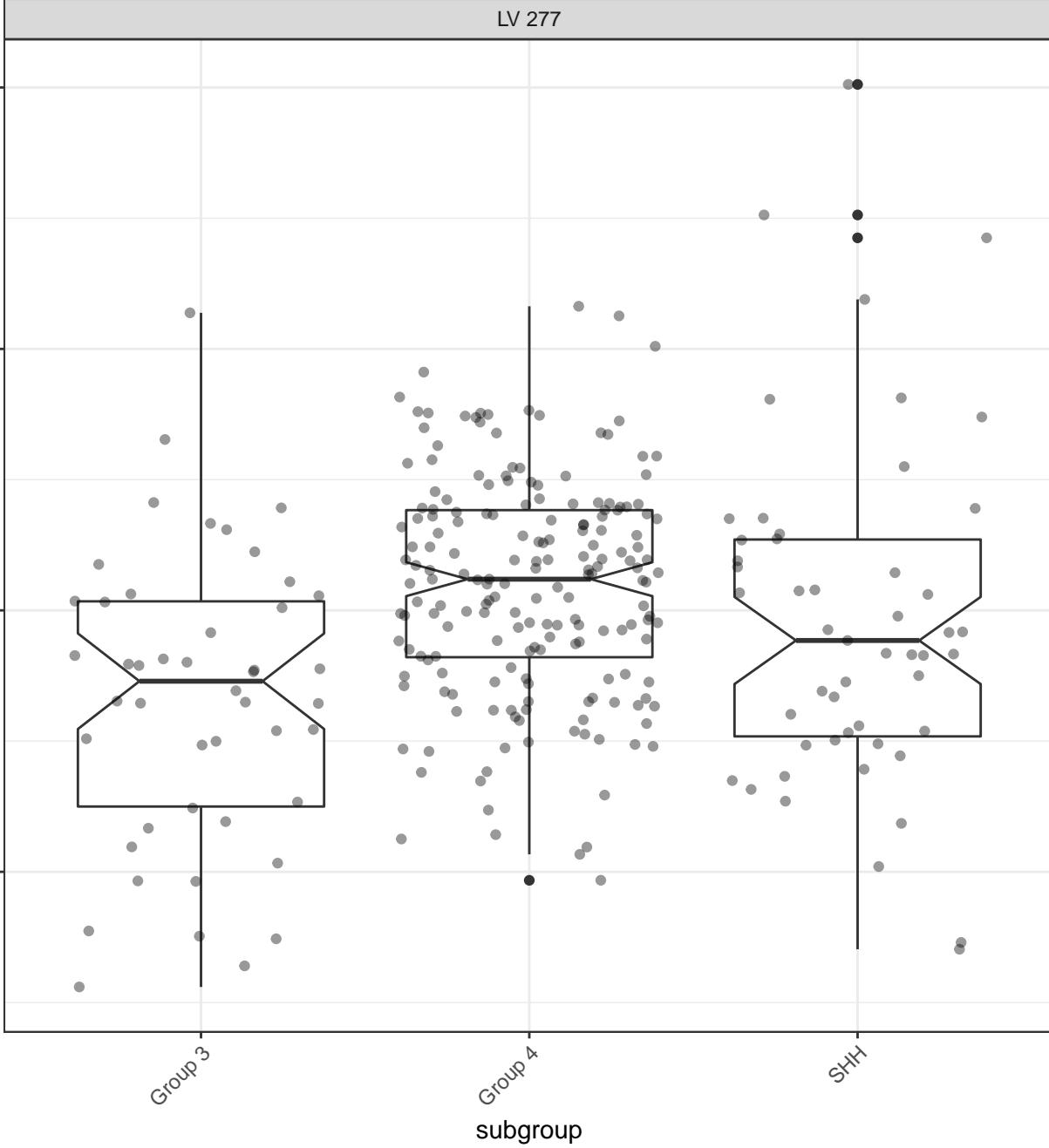
-0.05

Group 3

Group 4

SHH

subgroup



LV 278

Value

0.05

0.00

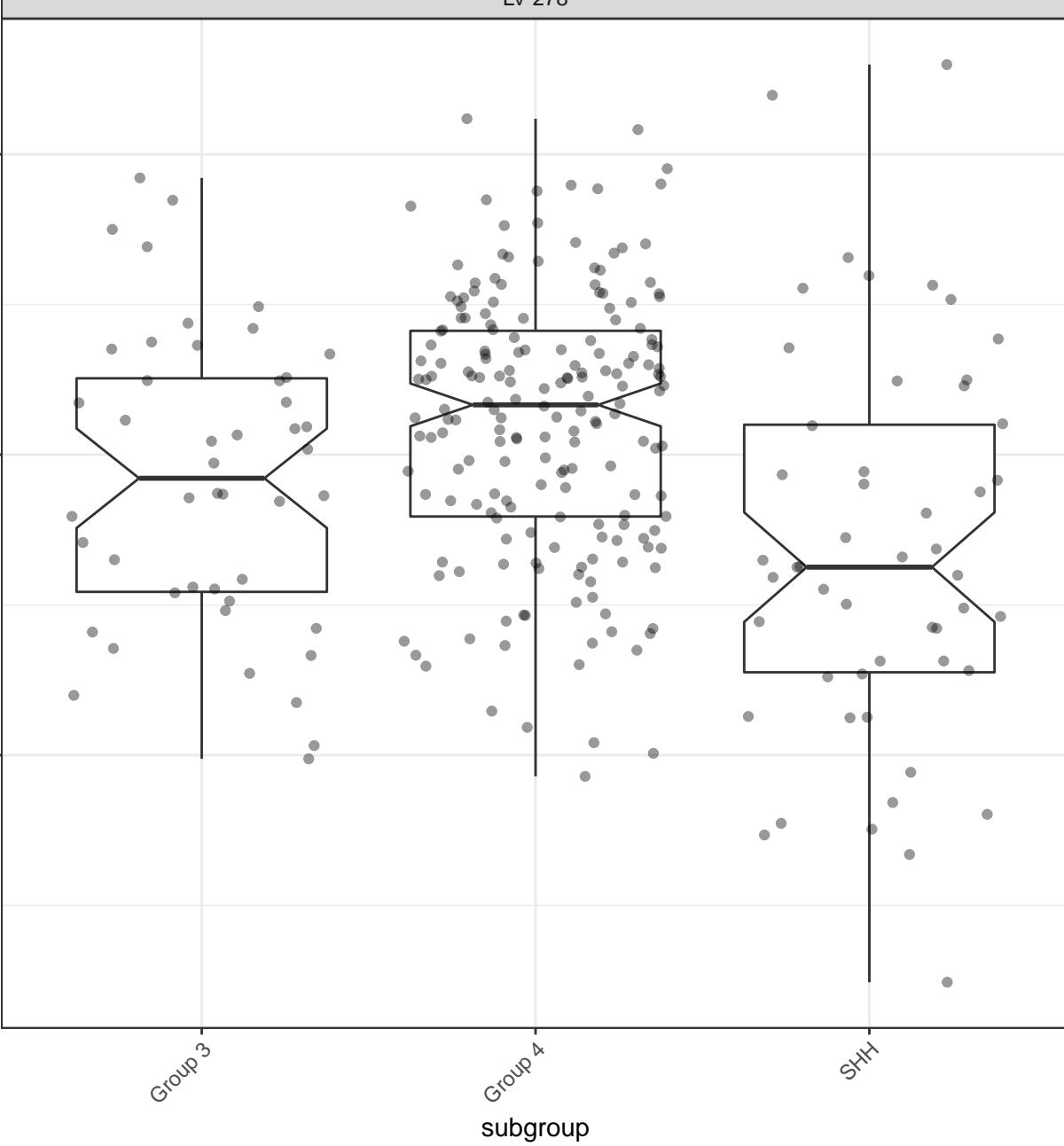
-0.05

Group 3

Group 4

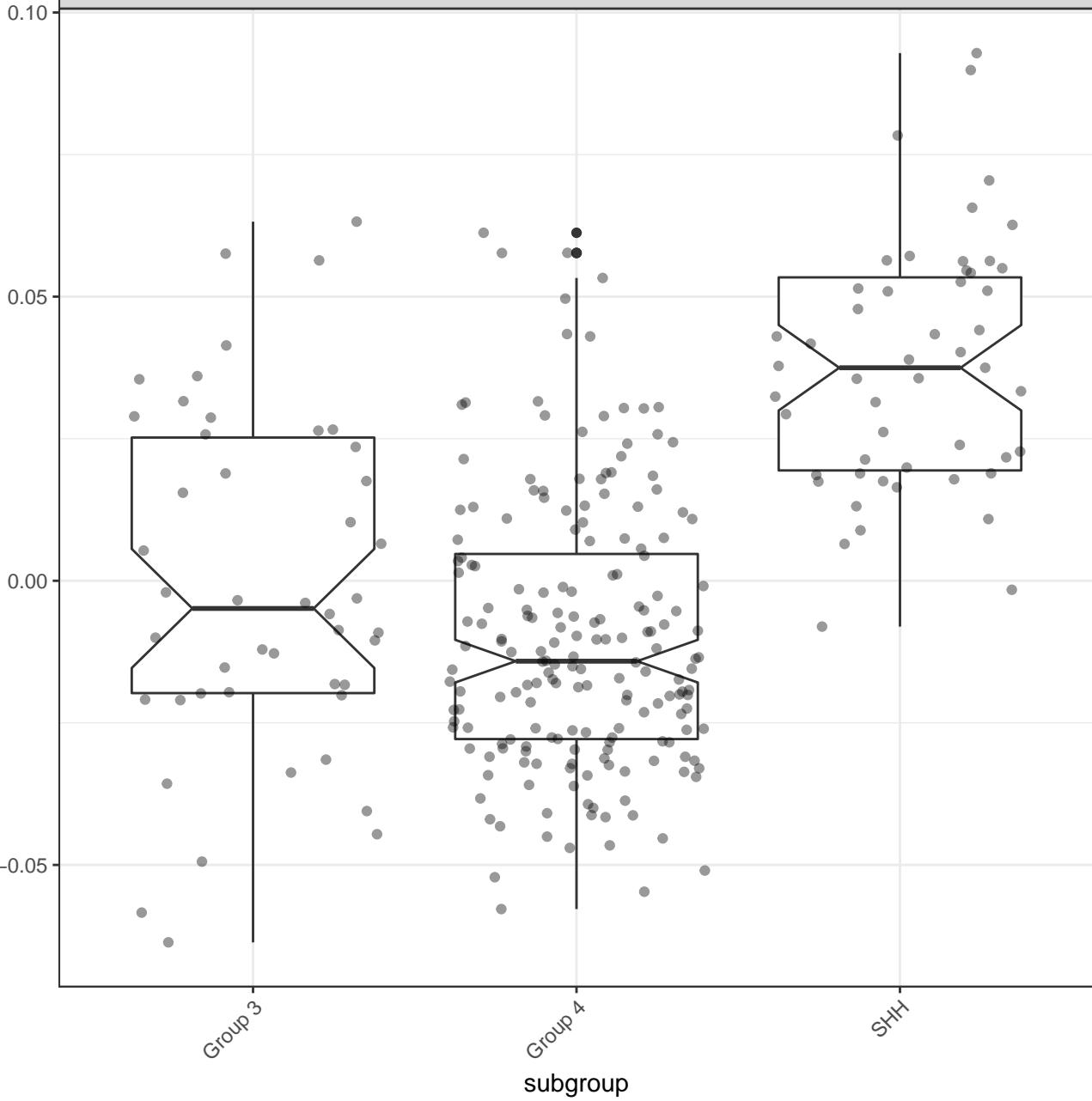
SHH

subgroup



LV 279

Value



LV 280

Value

0.05

0.00

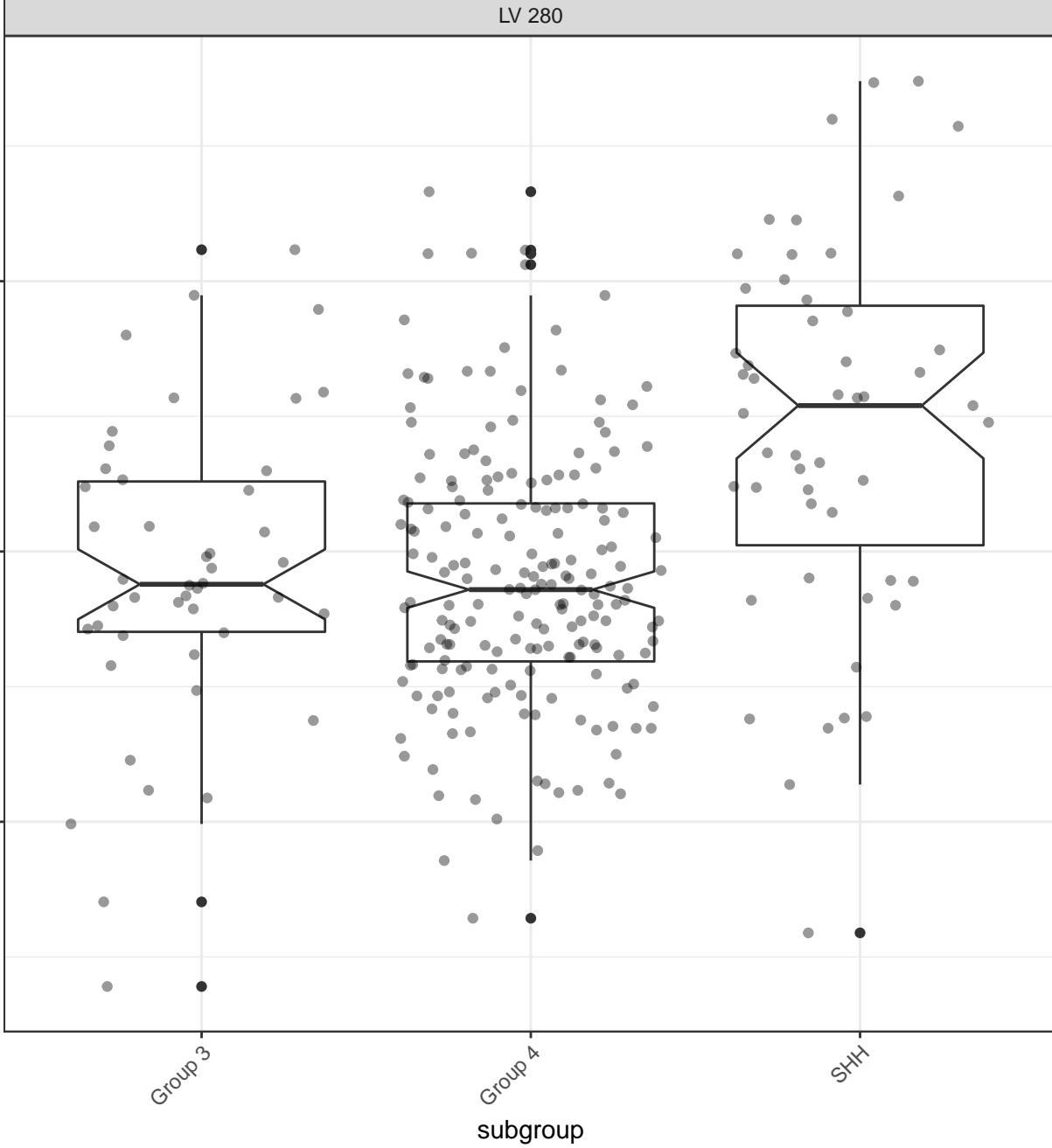
-0.05

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

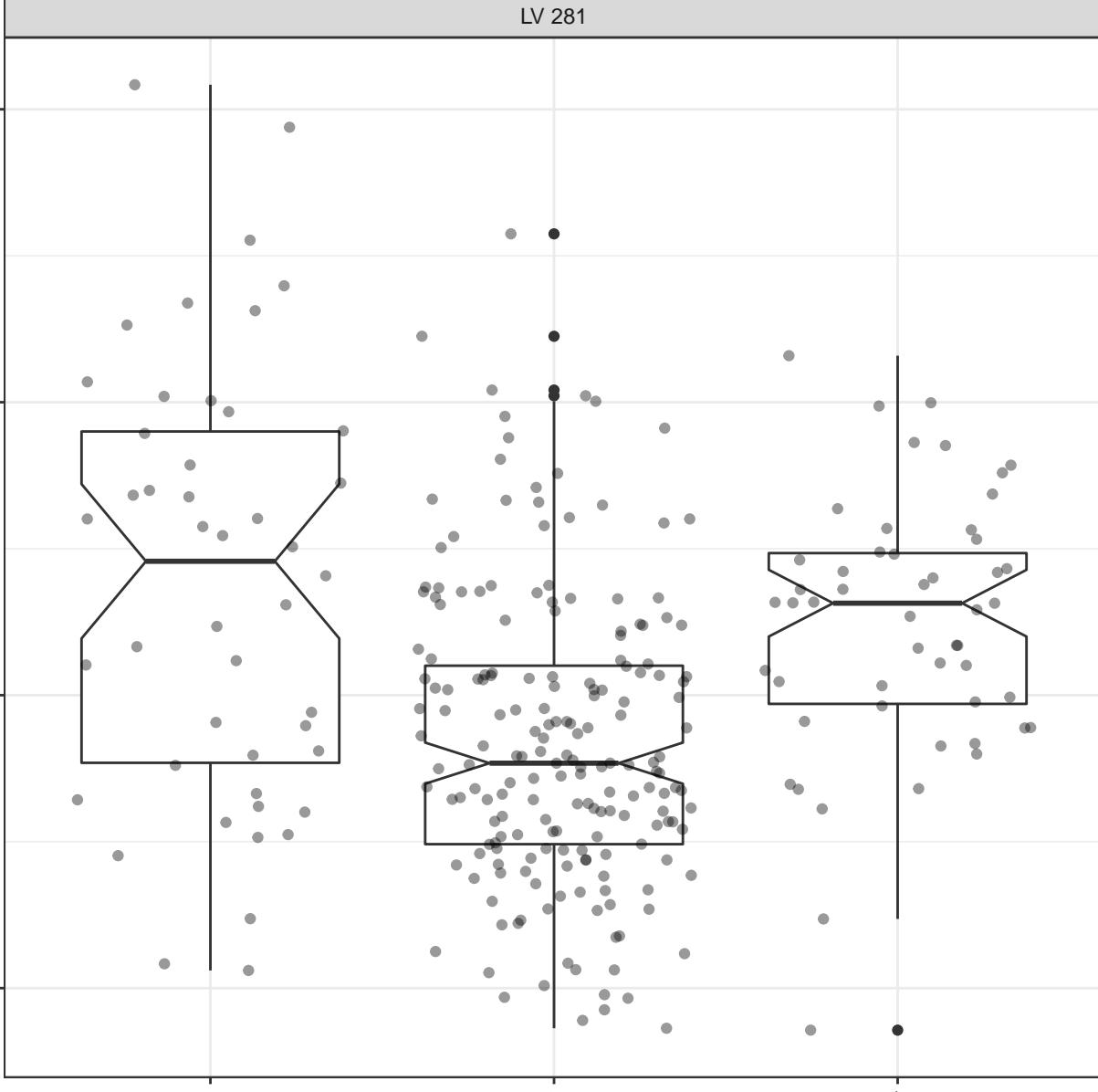
-0.05

Group 3

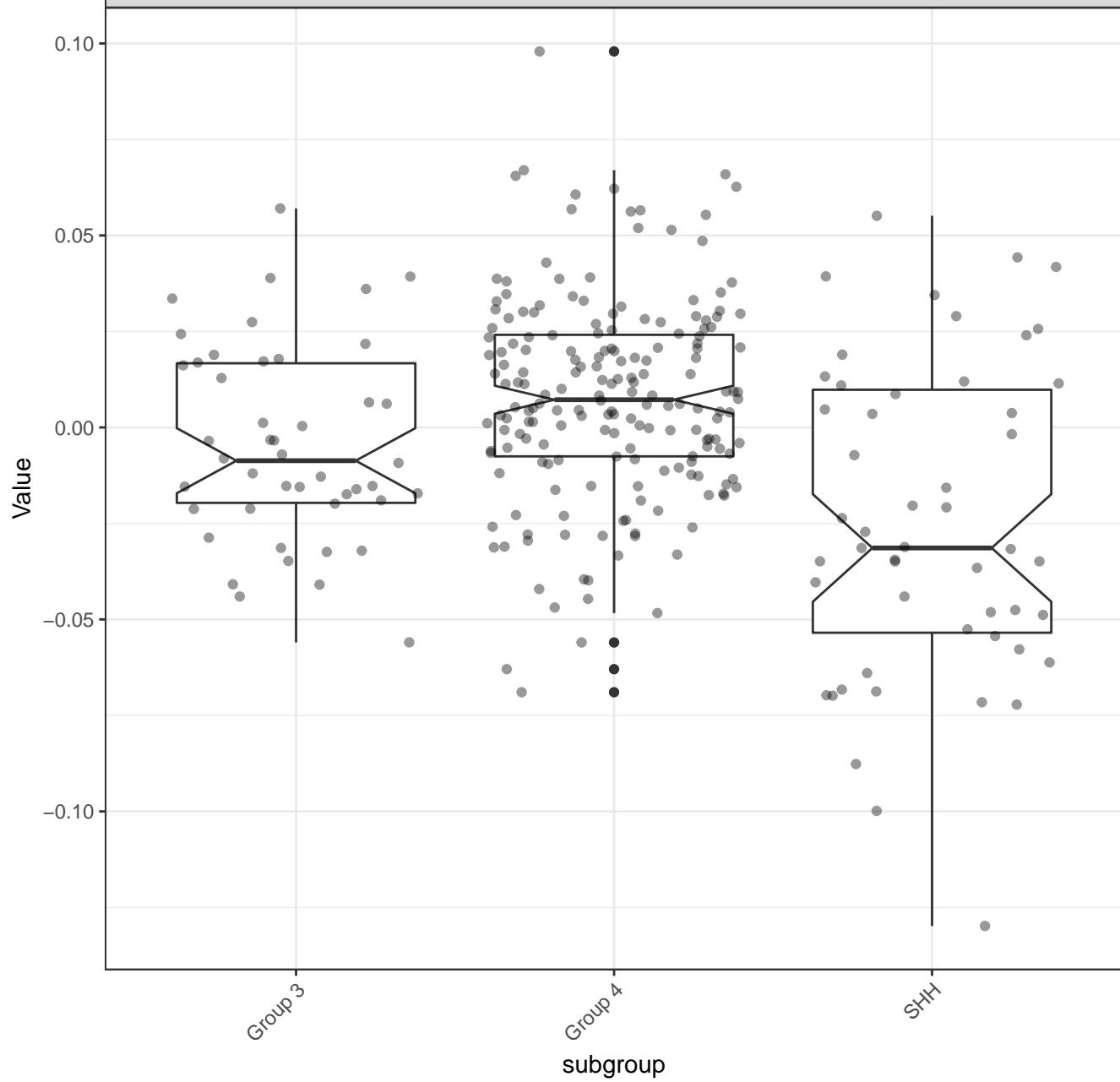
subgroup

Group 4

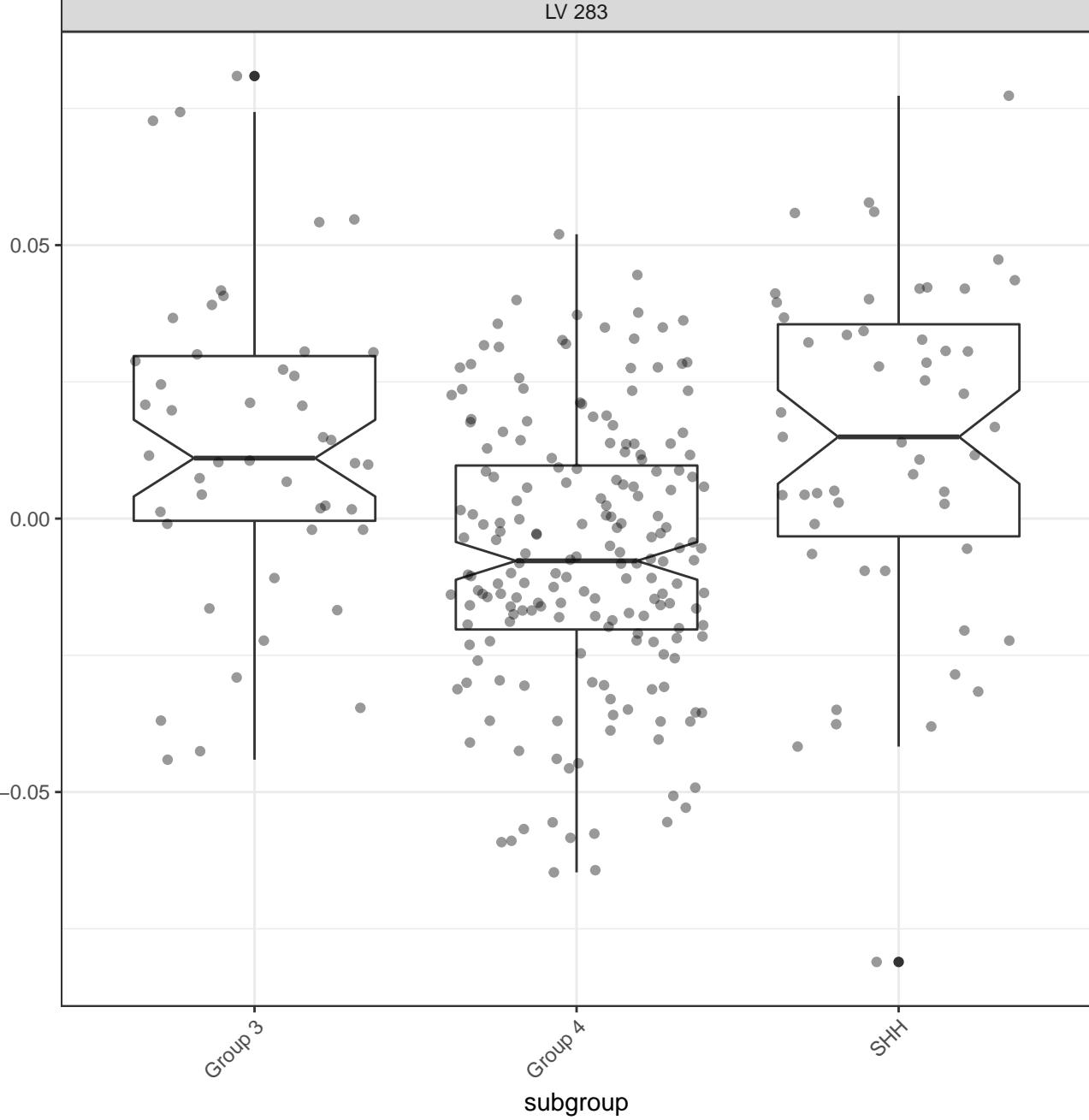
SHH



LV 282



Value



LV 284

Value

0.2

0.1

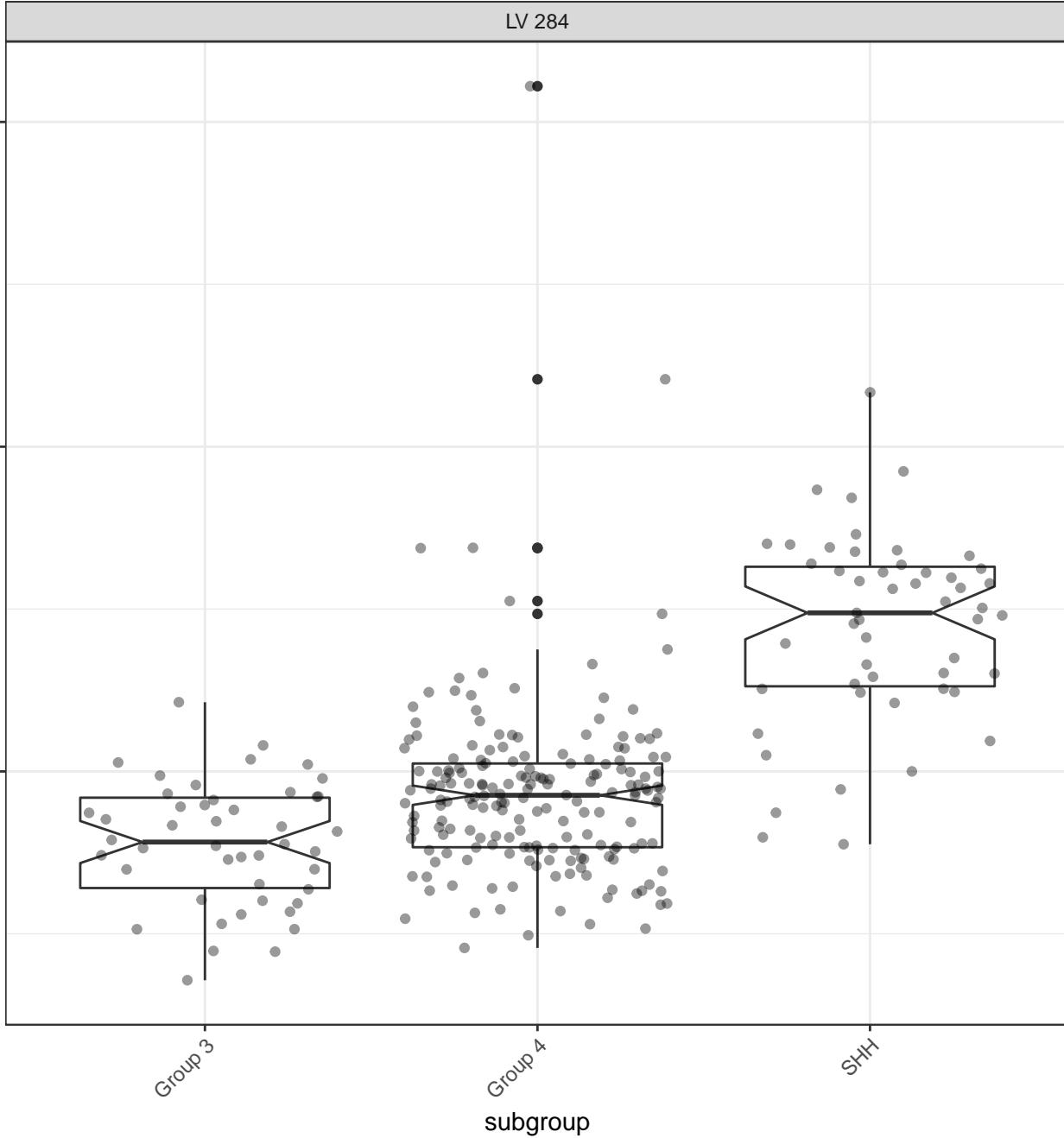
0.0

Group 3

Group 4

SHH

subgroup



285,REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION

Value

0.10

0.05

0.00

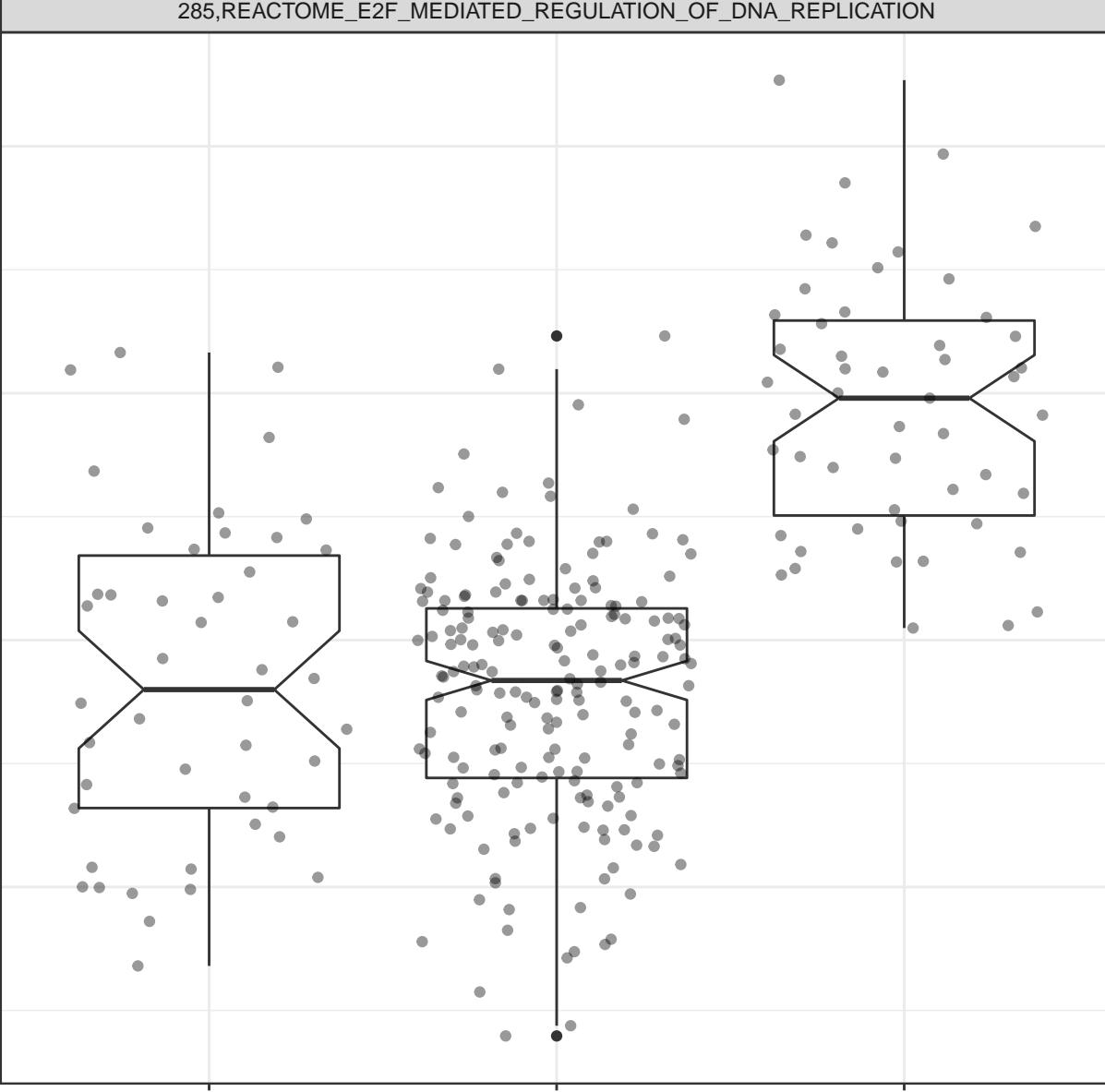
-0.05

Group 3

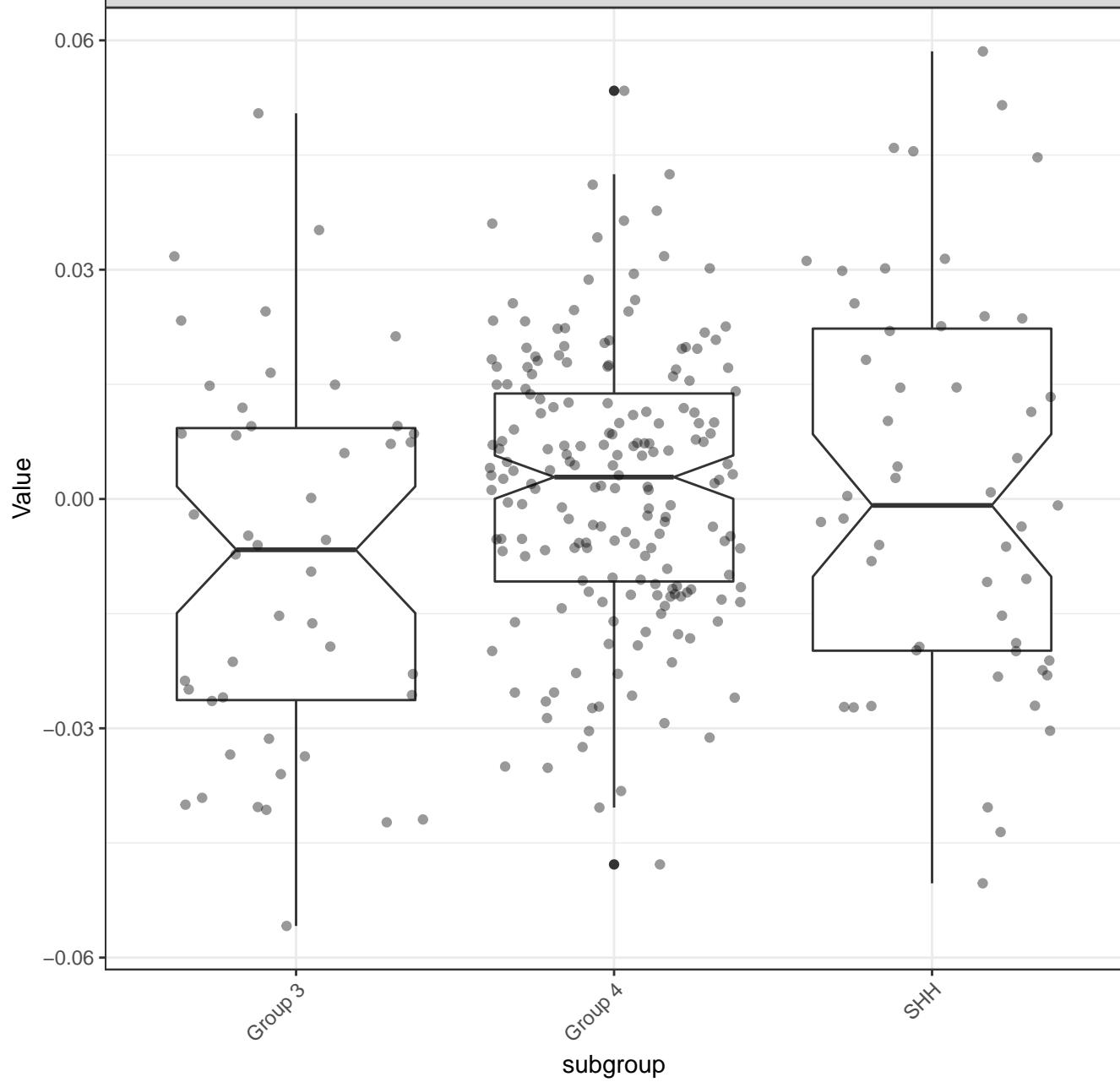
subgroup

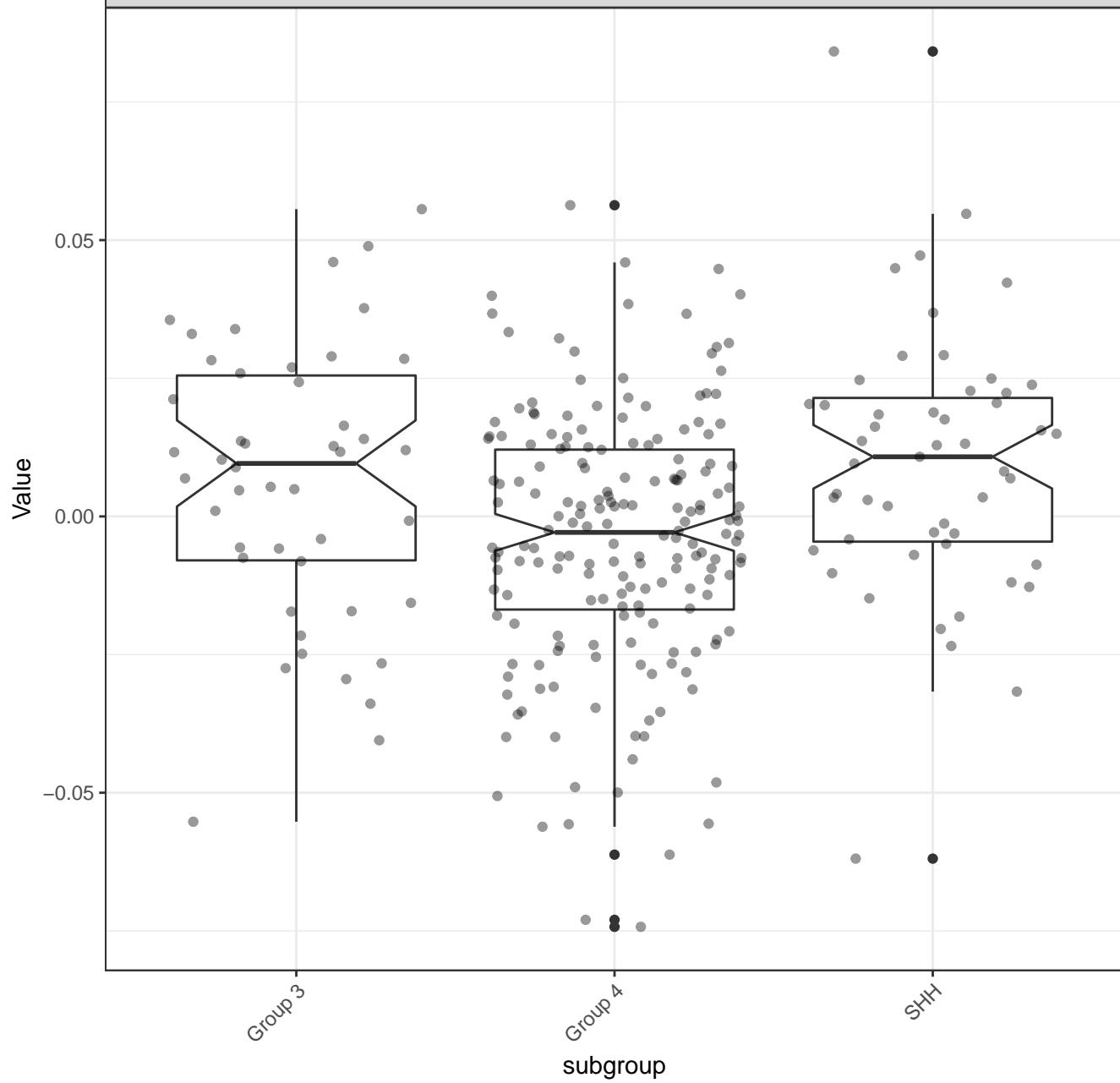
Group 4

SHH

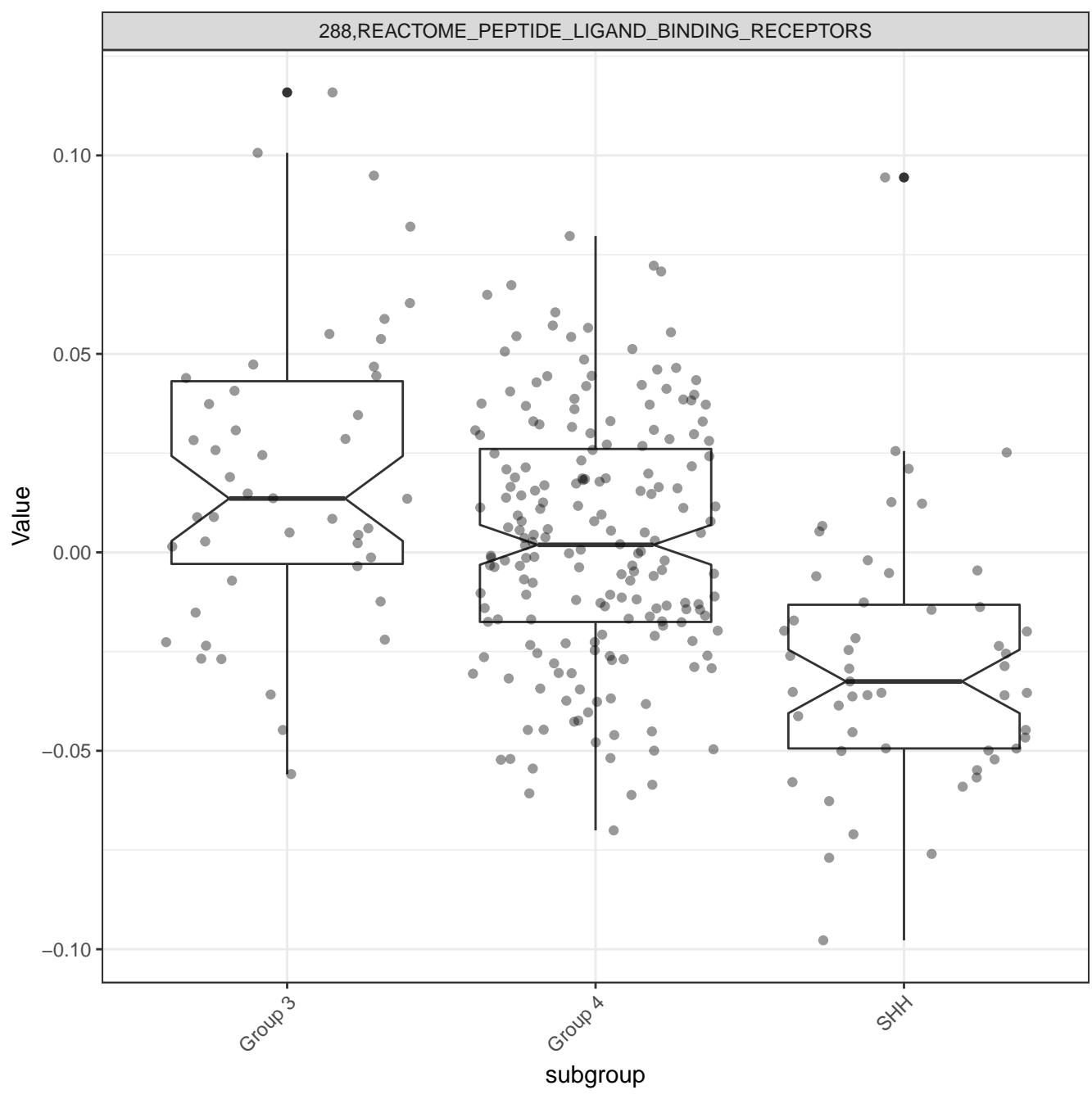


LV 286

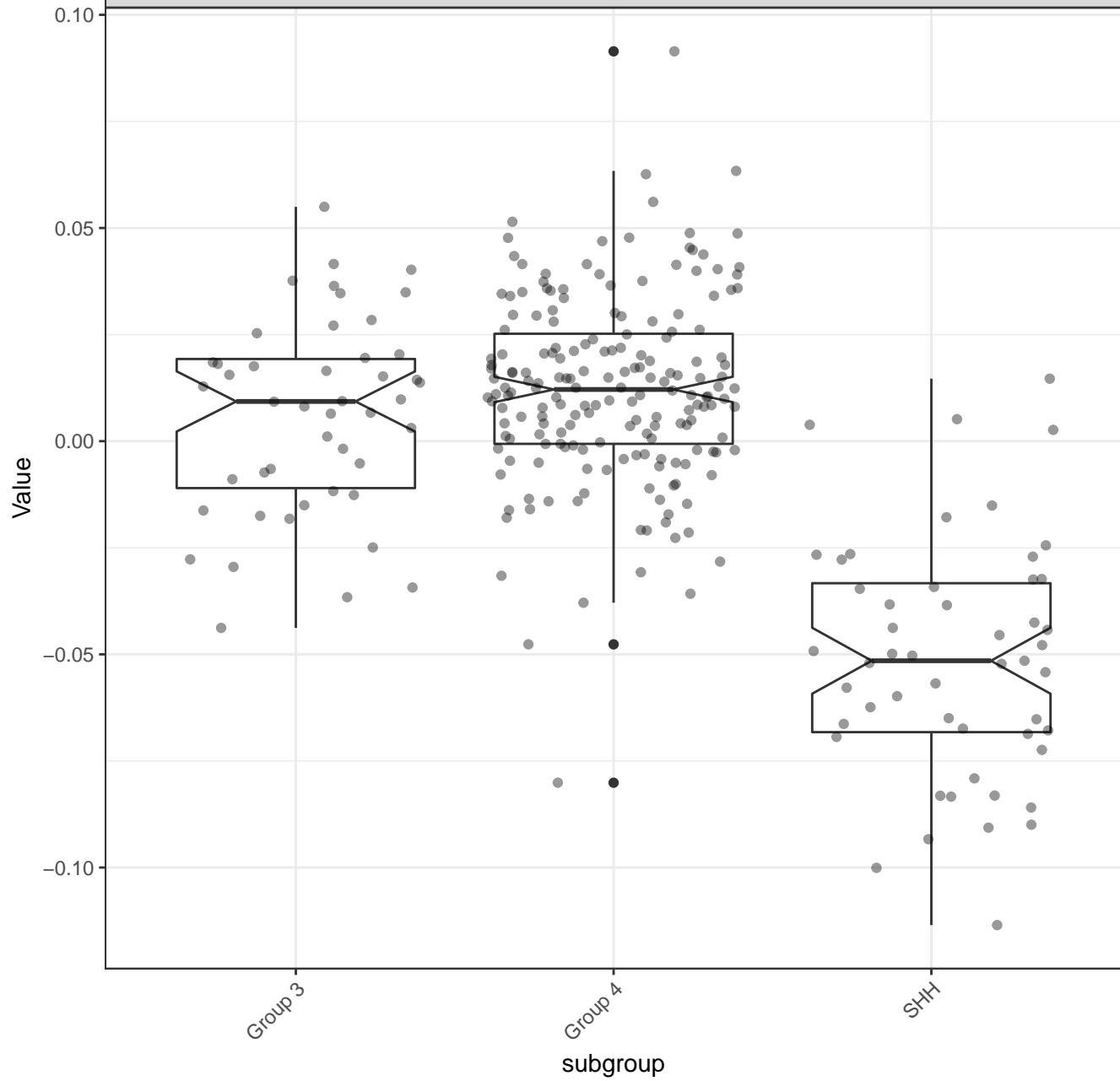




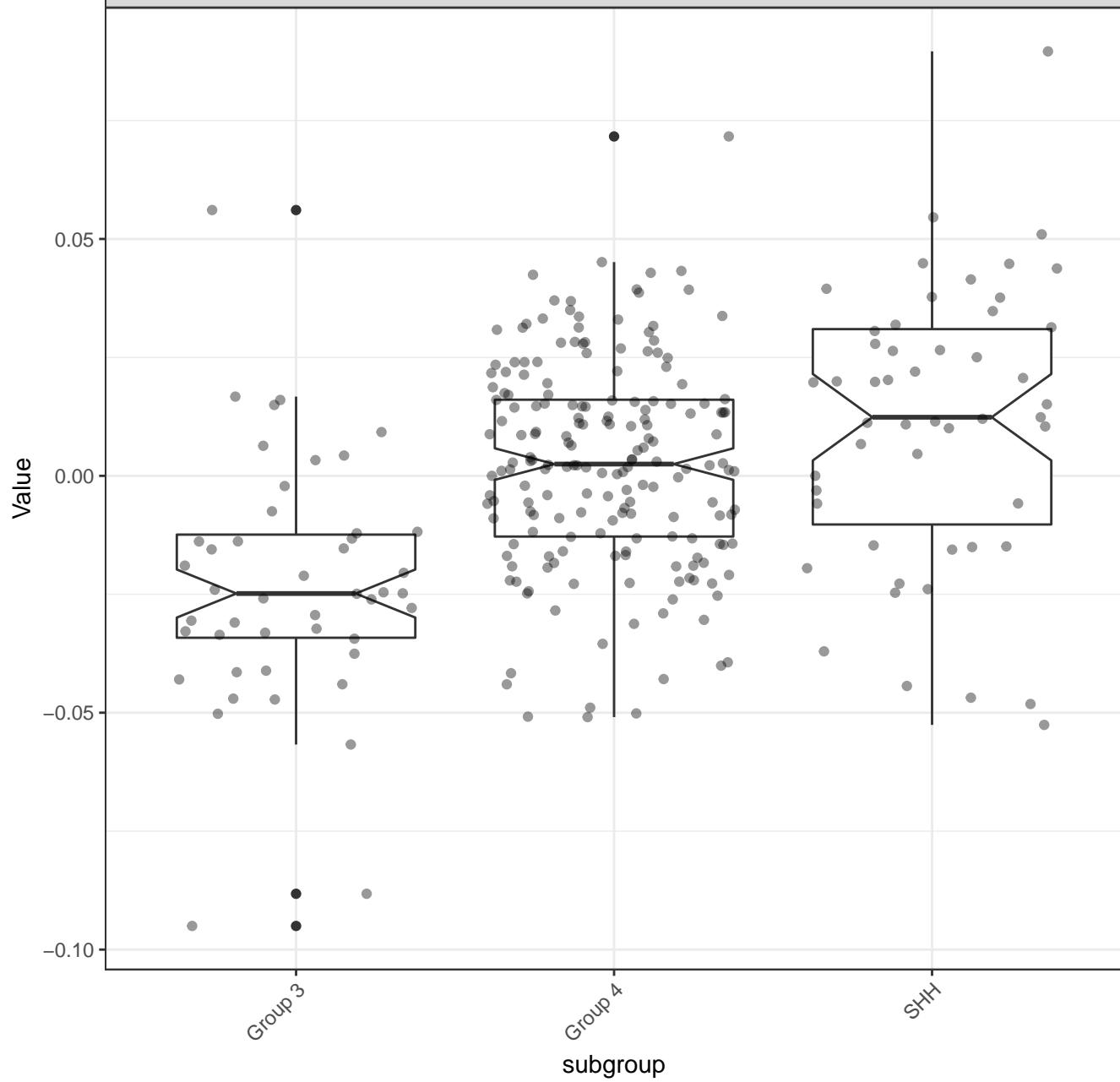
288,REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTEORS



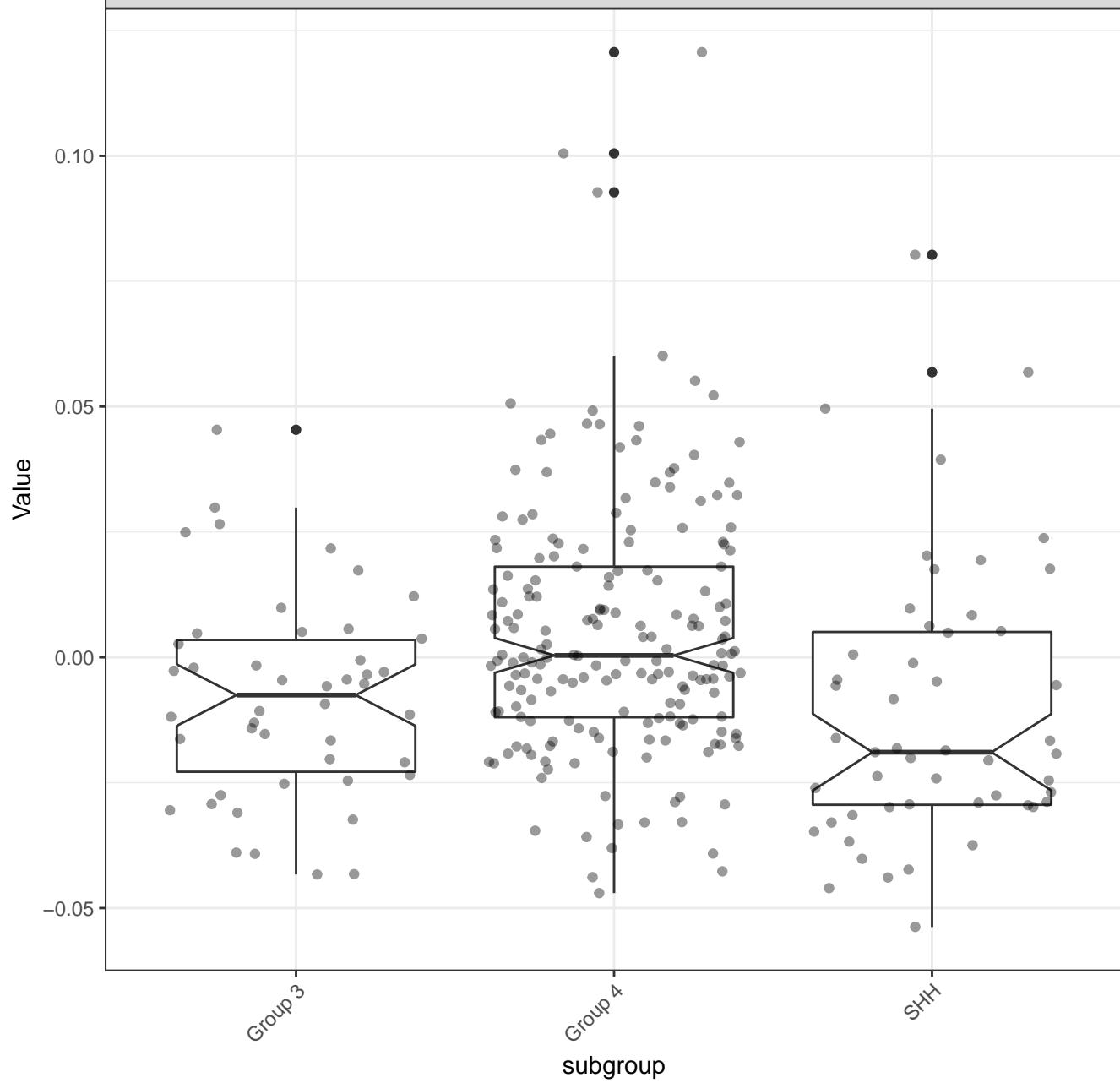
LV 289



LV 290



LV 291



LV 292

Value

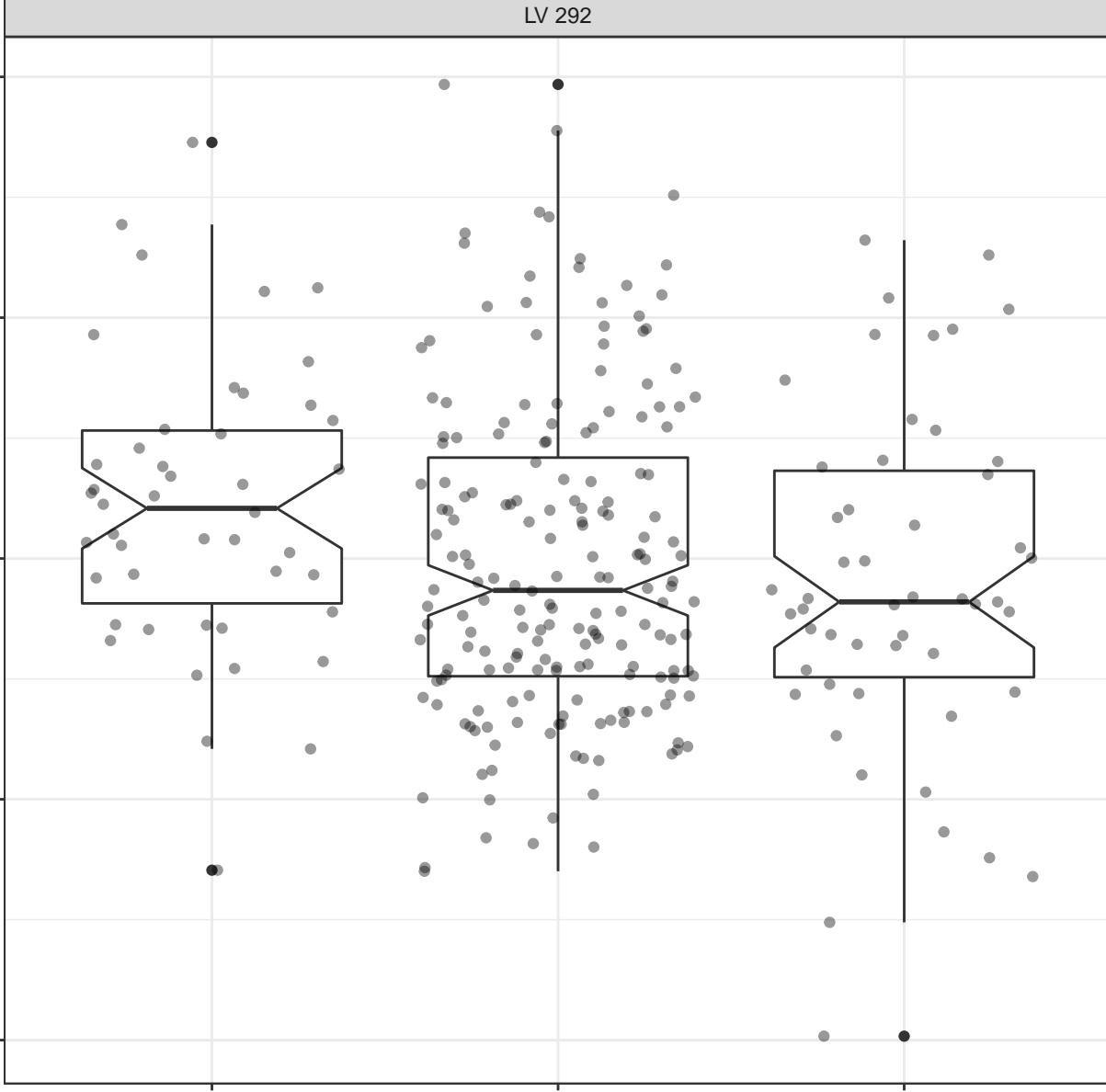
0.10
0.05
0.00
-0.05
-0.10

Group 3

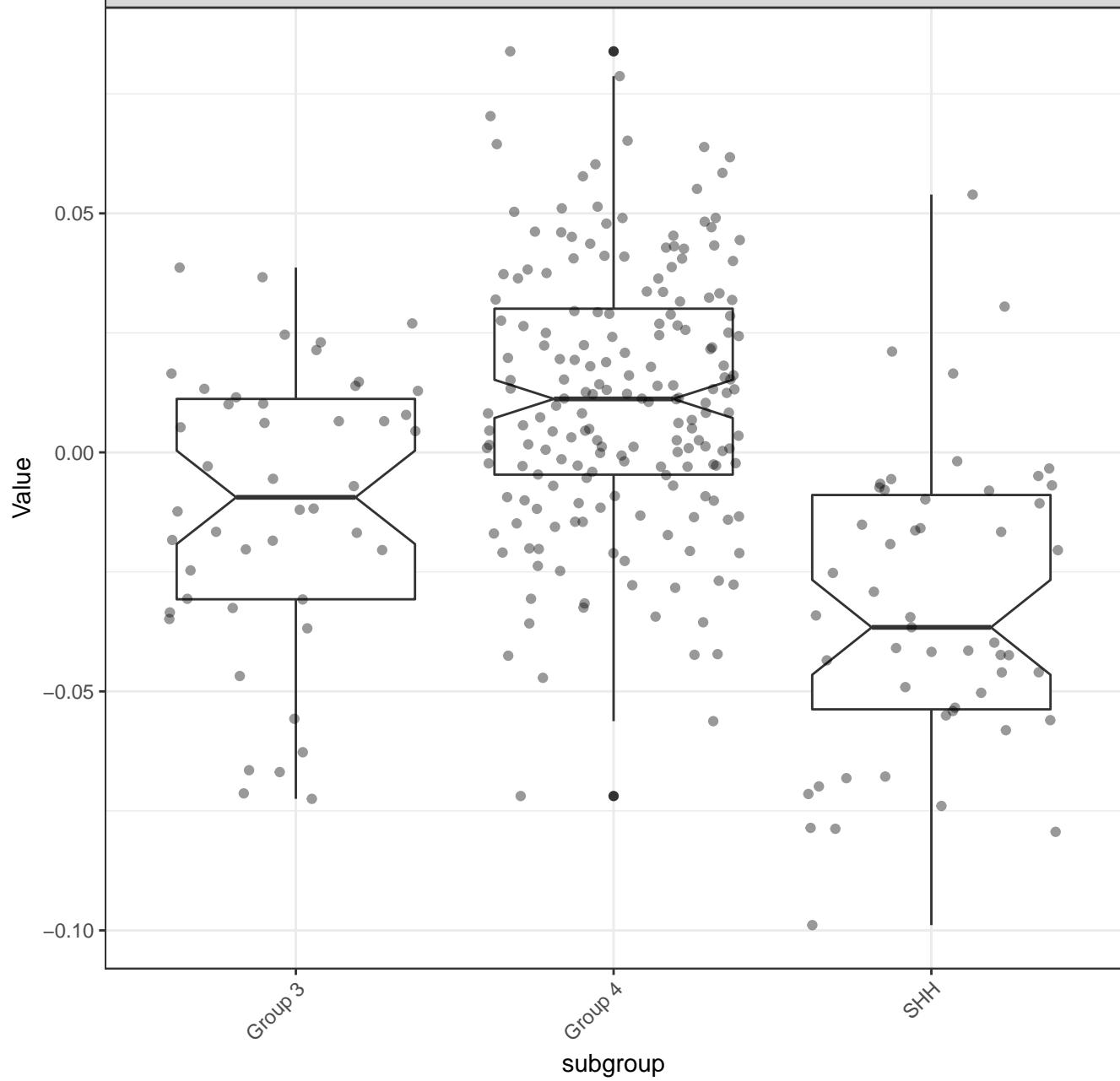
Group 4

SHH

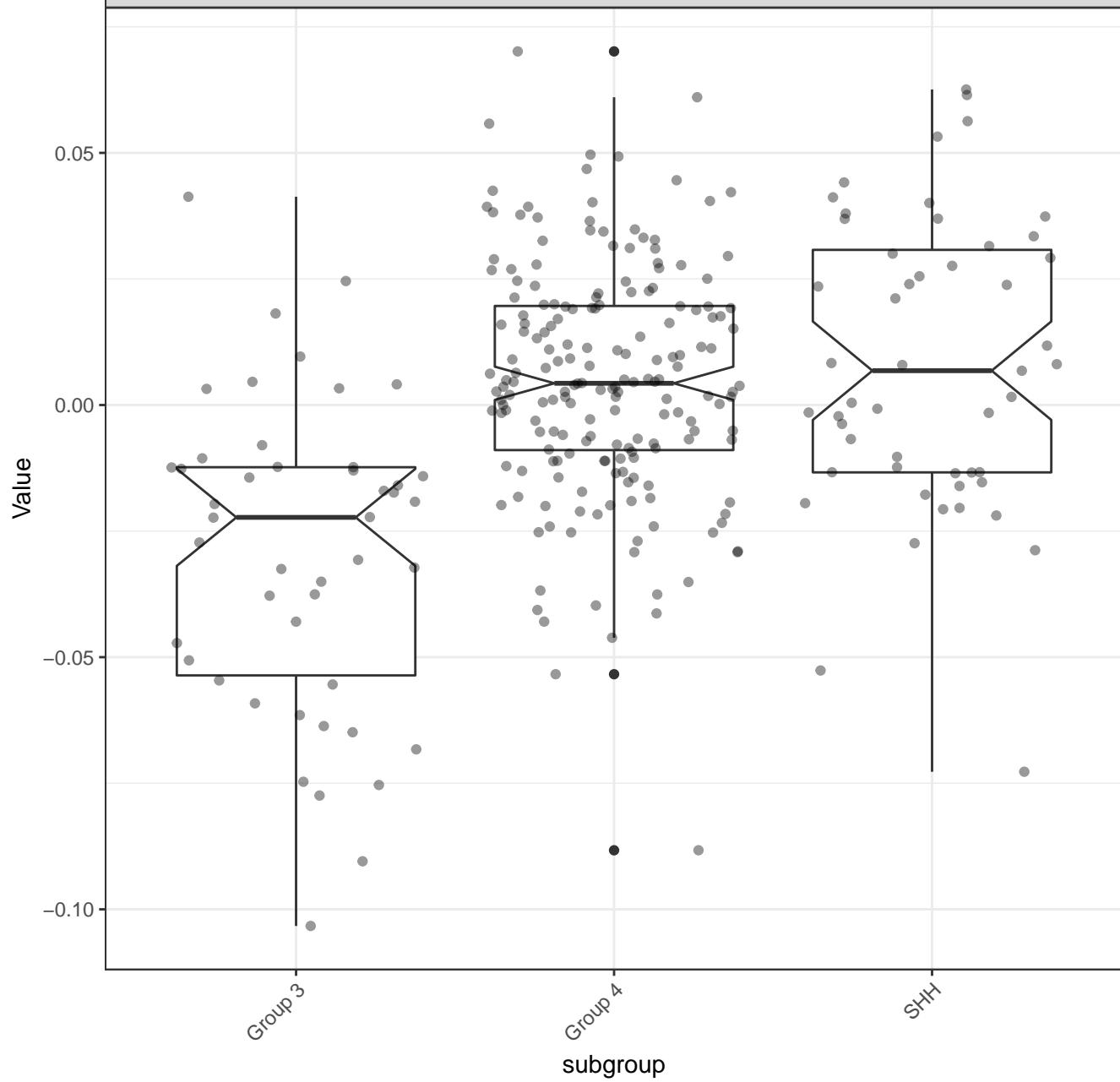
subgroup



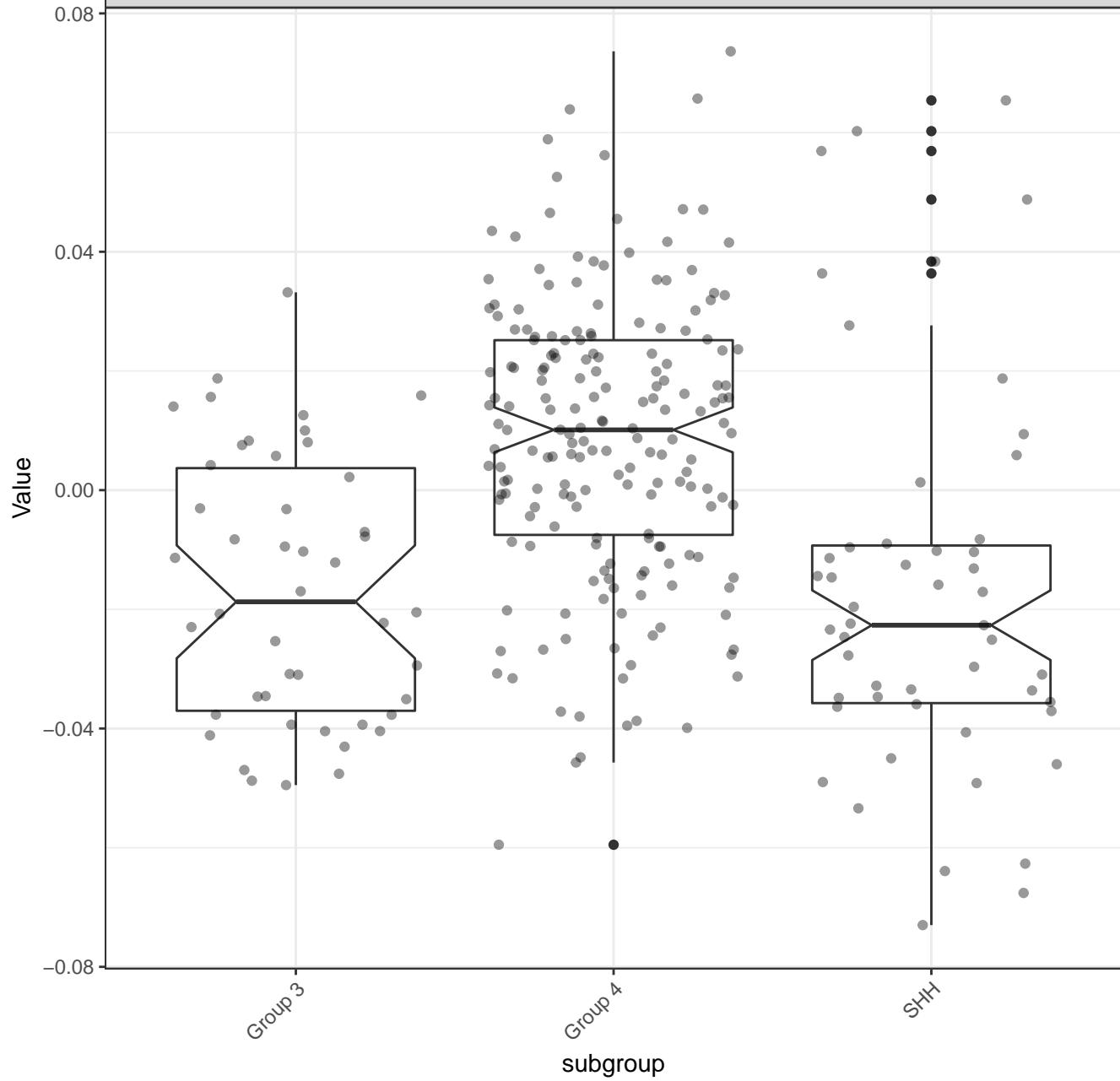
LV 293



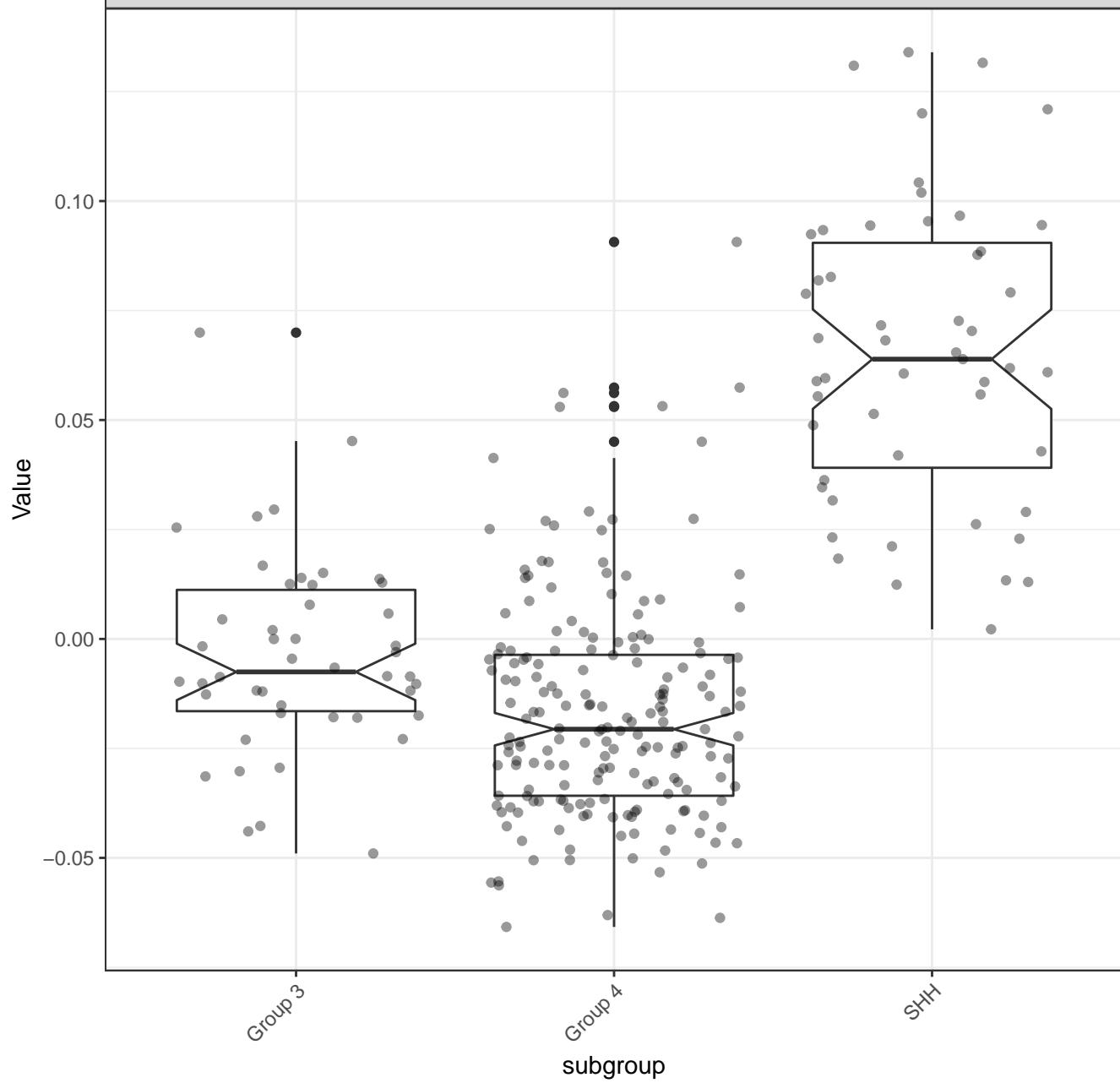
LV 294



LV 295



296,REACTOME_TELOMERE_MAINTENANCE



LV 297

Value

0.10

0.05

0.00

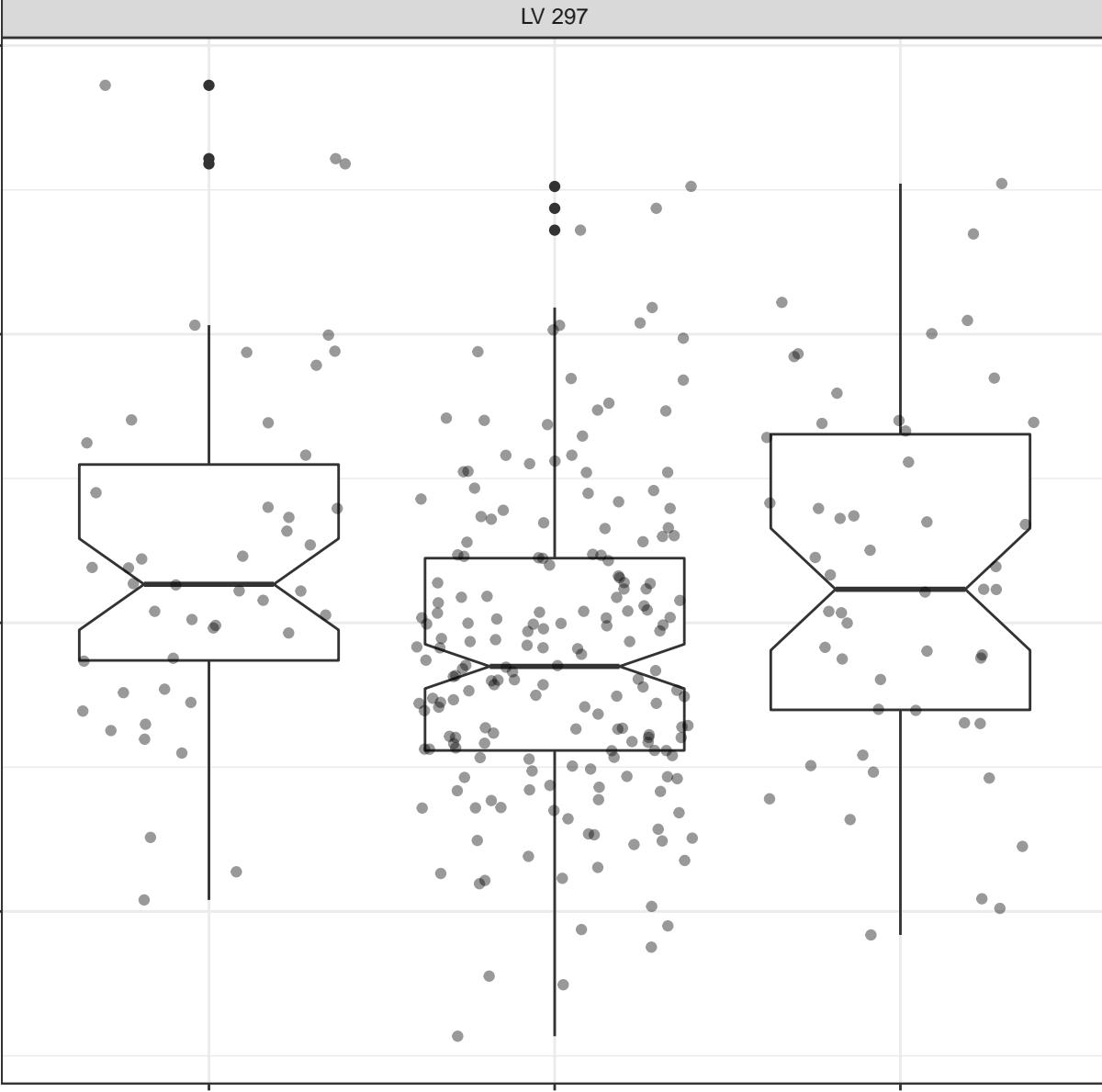
-0.05

Group 3

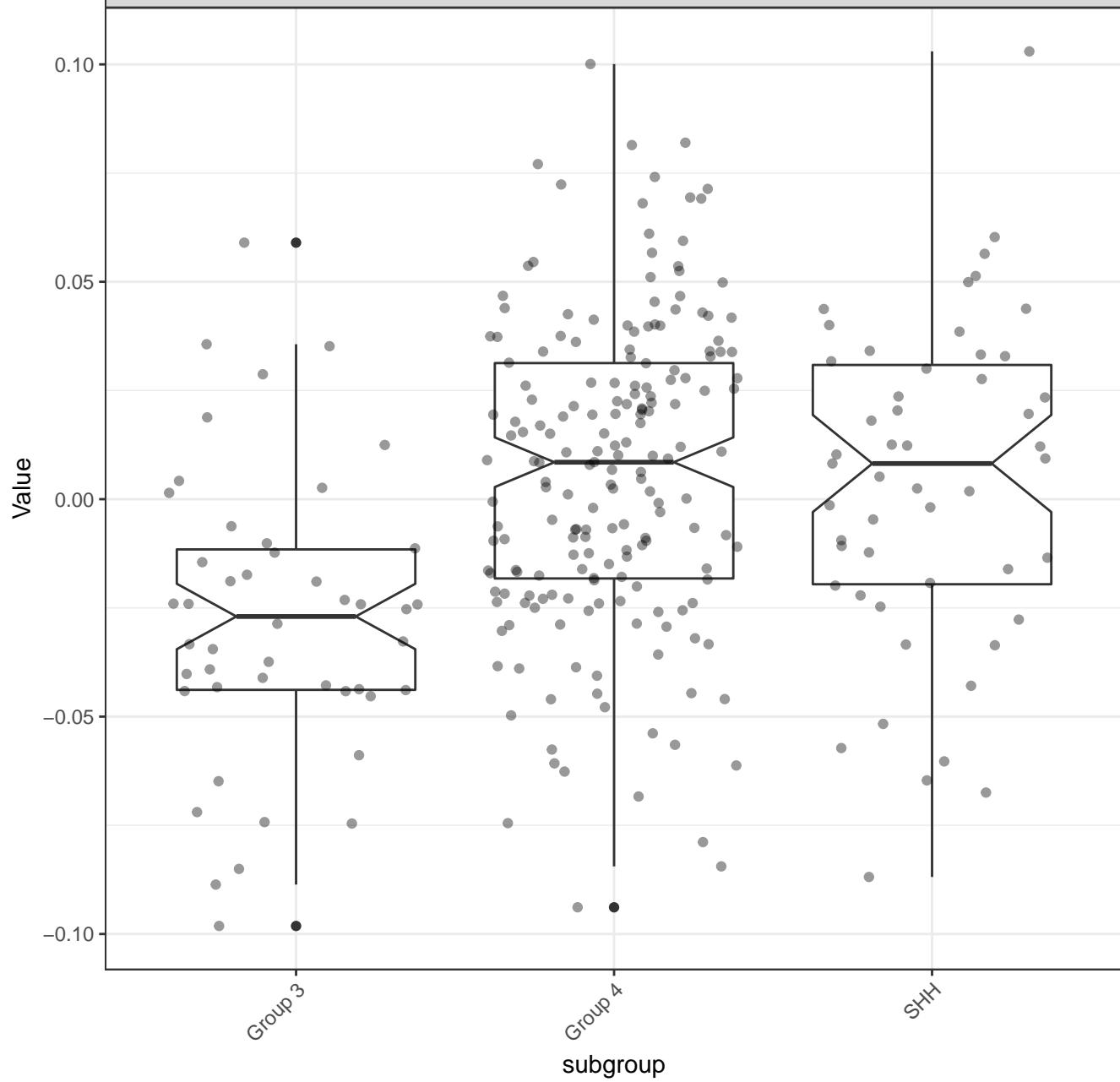
subgroup

Group 4

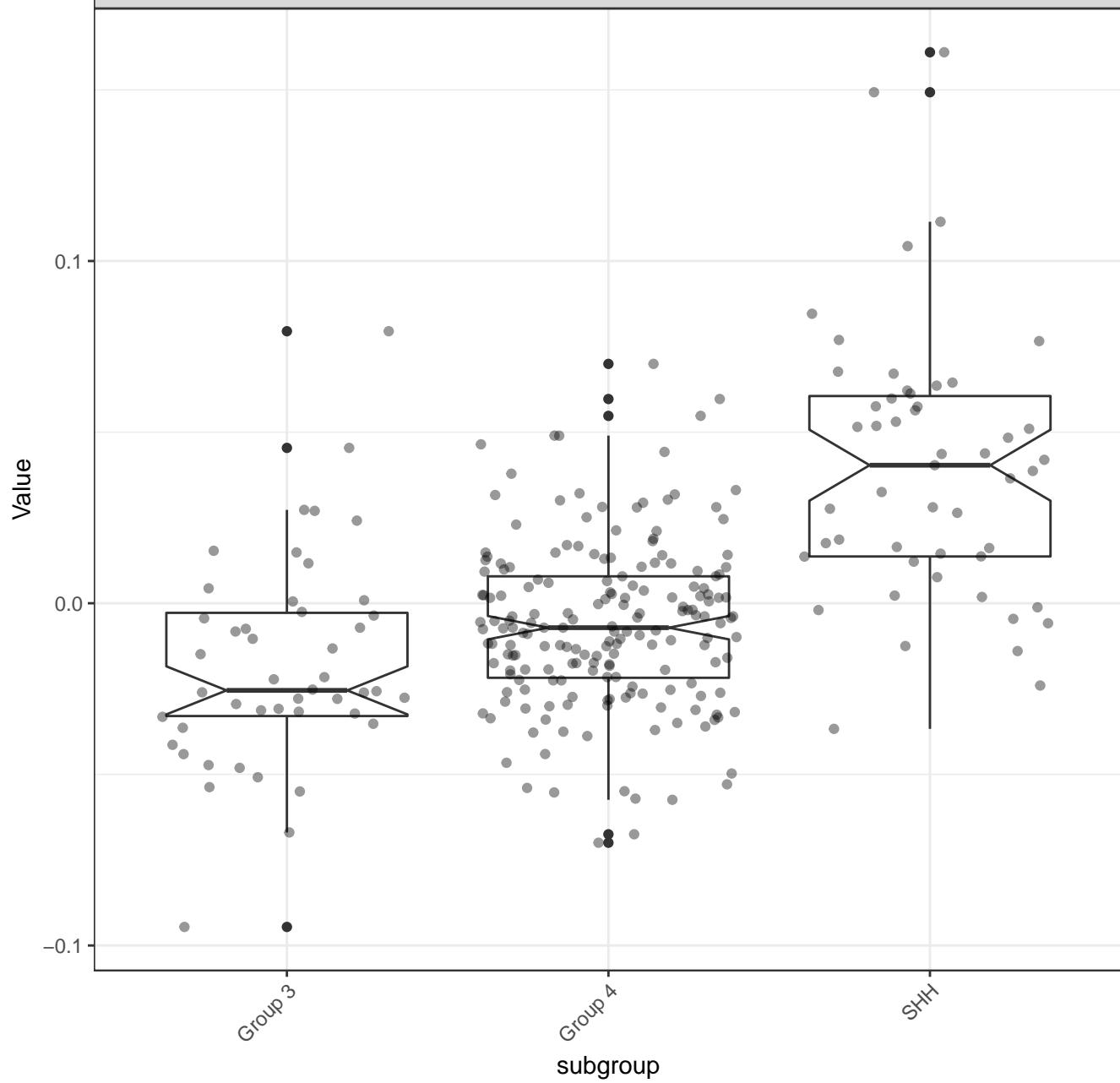
SHH



LV 298



LV 299



300,REACTOME_REGULATION_OF_APOPTOSIS

Value

0.05

0.00

-0.05

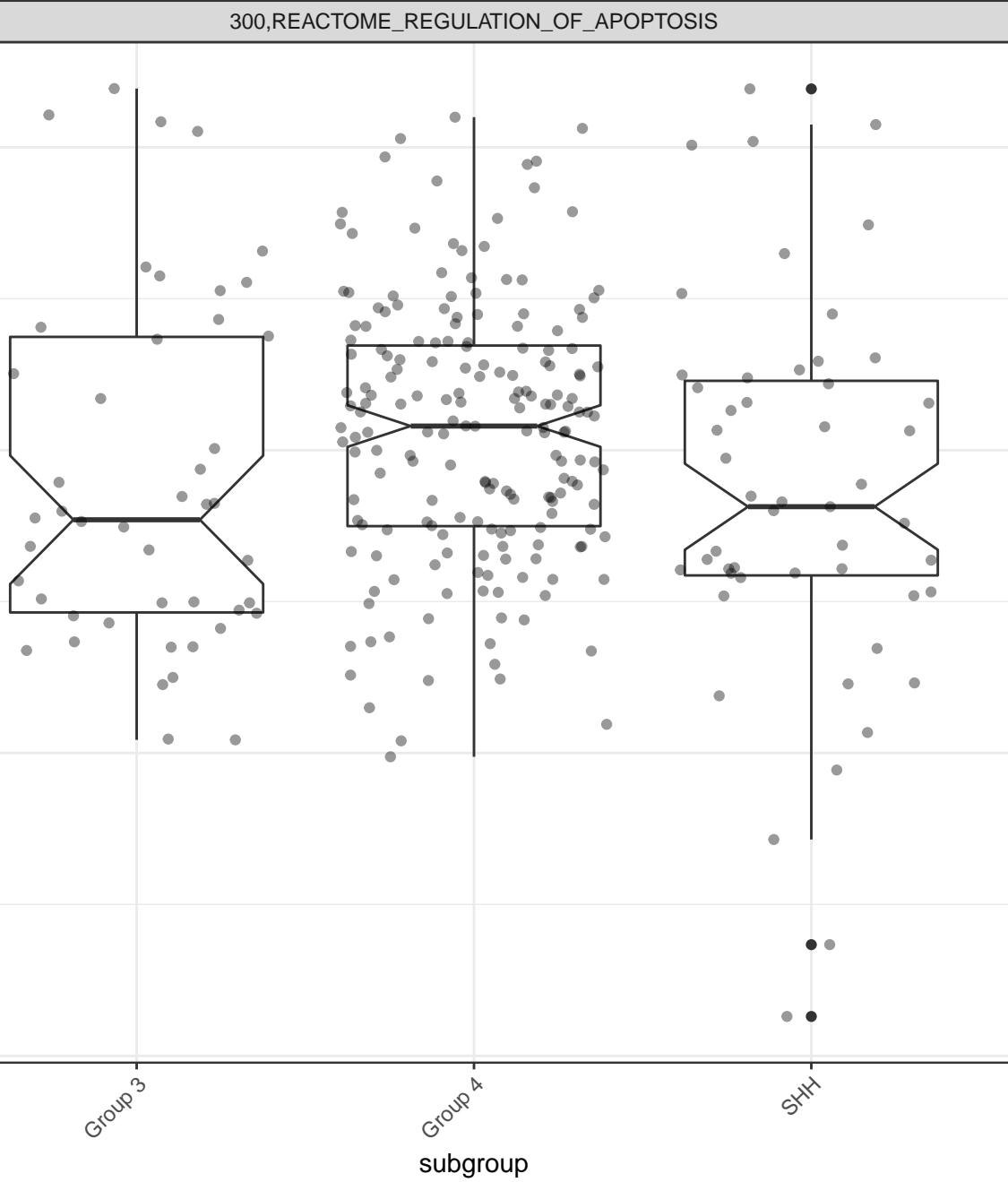
-0.10

Group 3

Group 4

SHH

subgroup



LV 301

Value

0.10

0.05

0.00

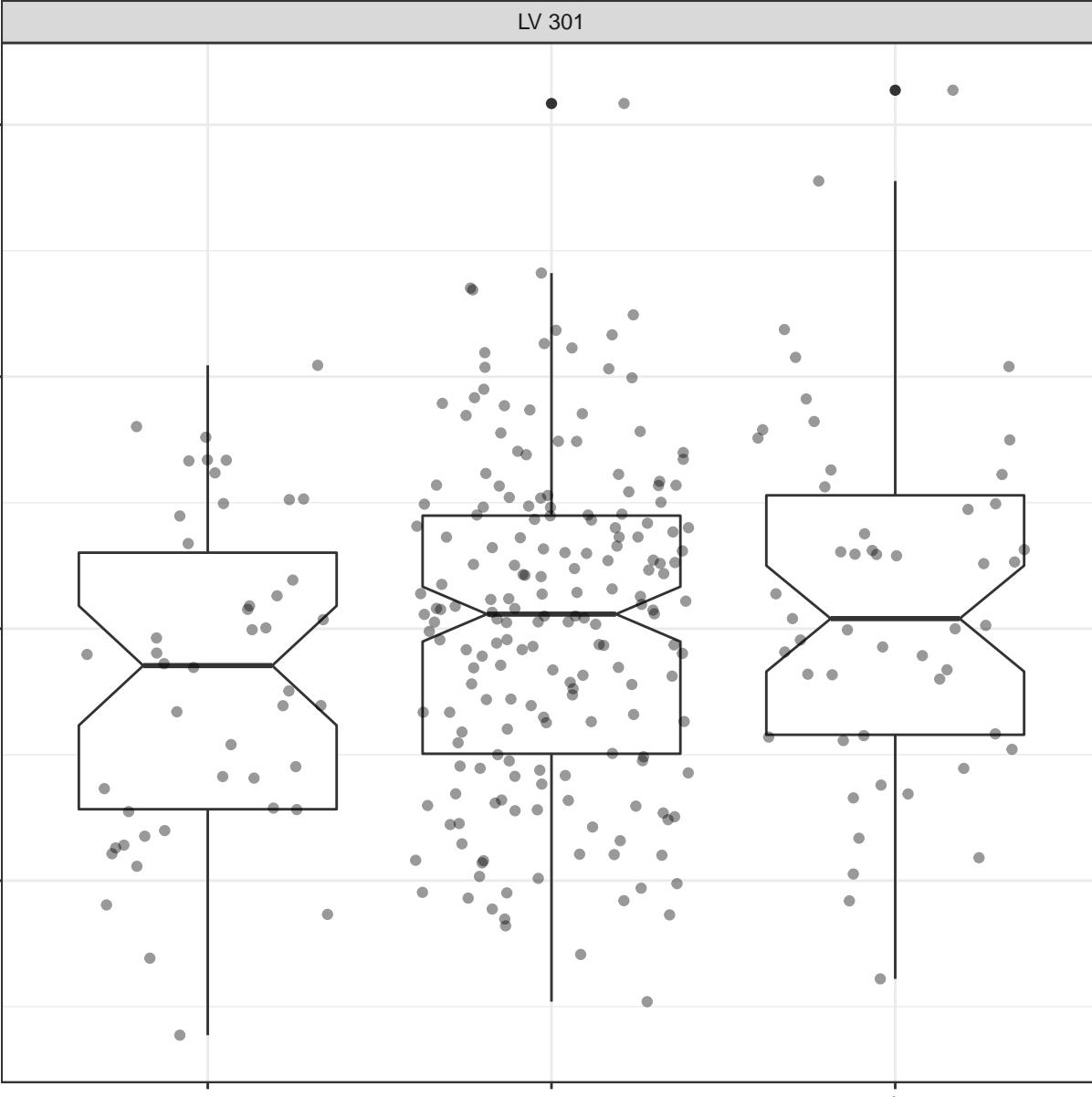
-0.05

Group 3

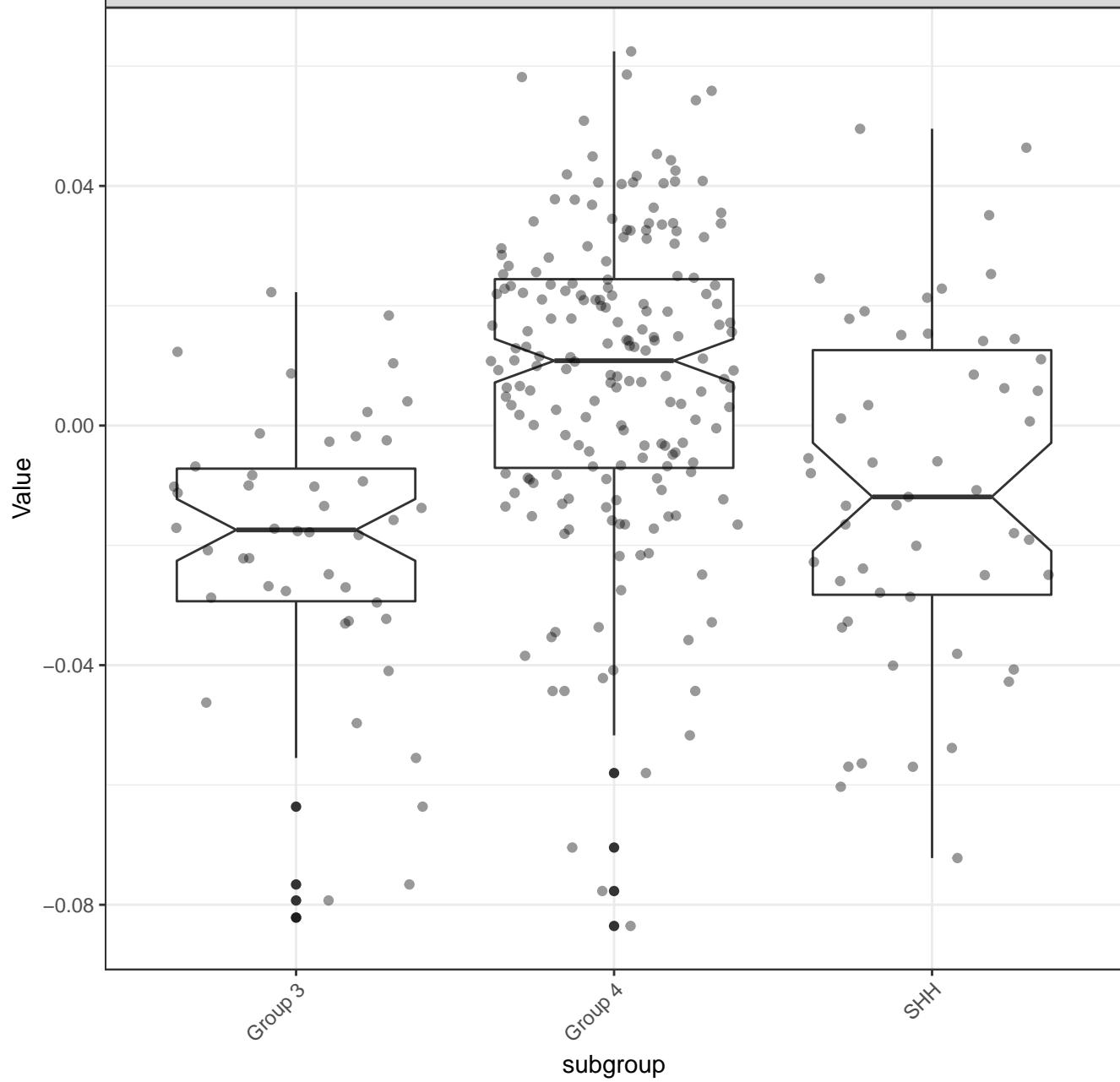
subgroup

Group 4

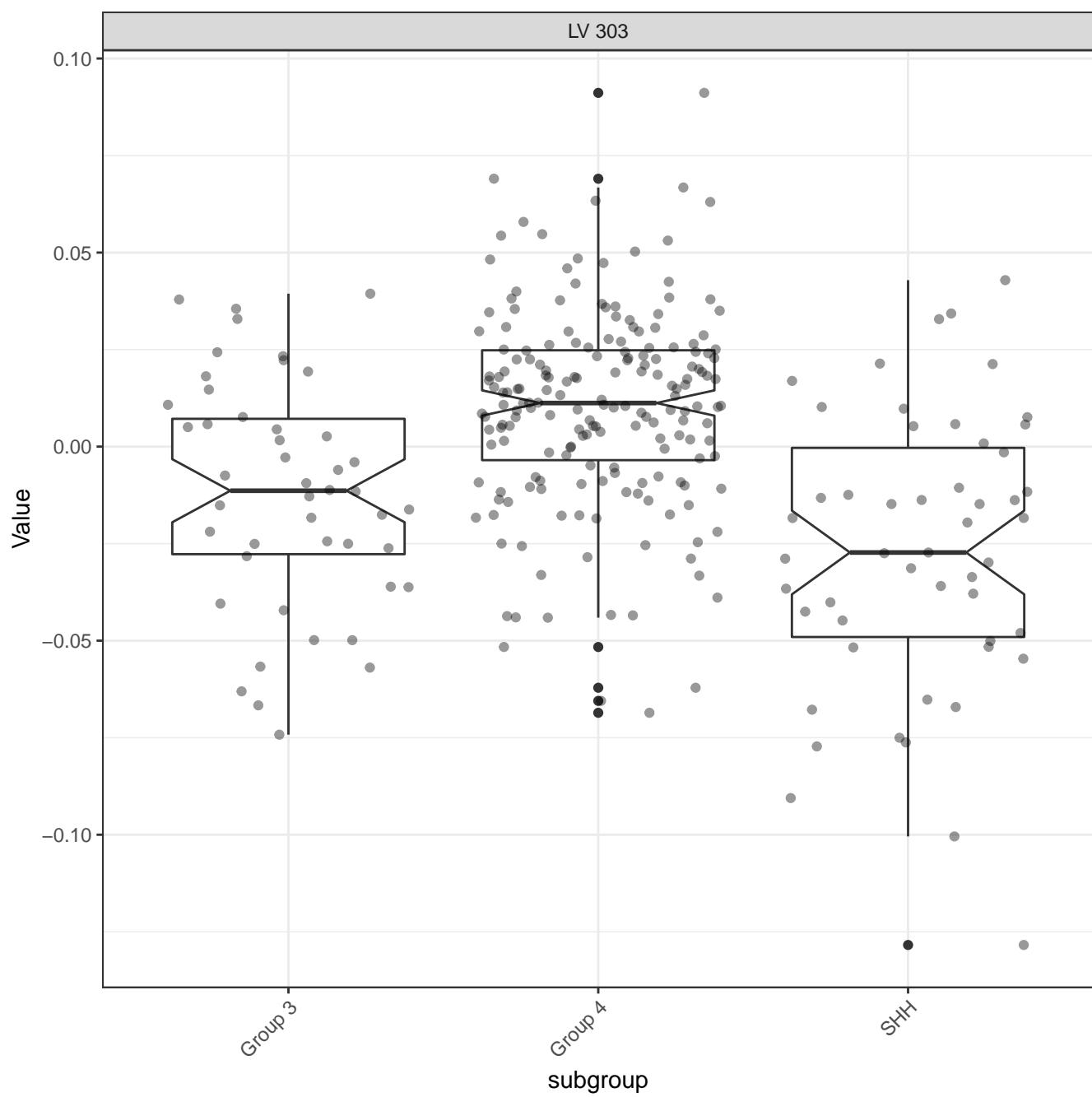
SHH



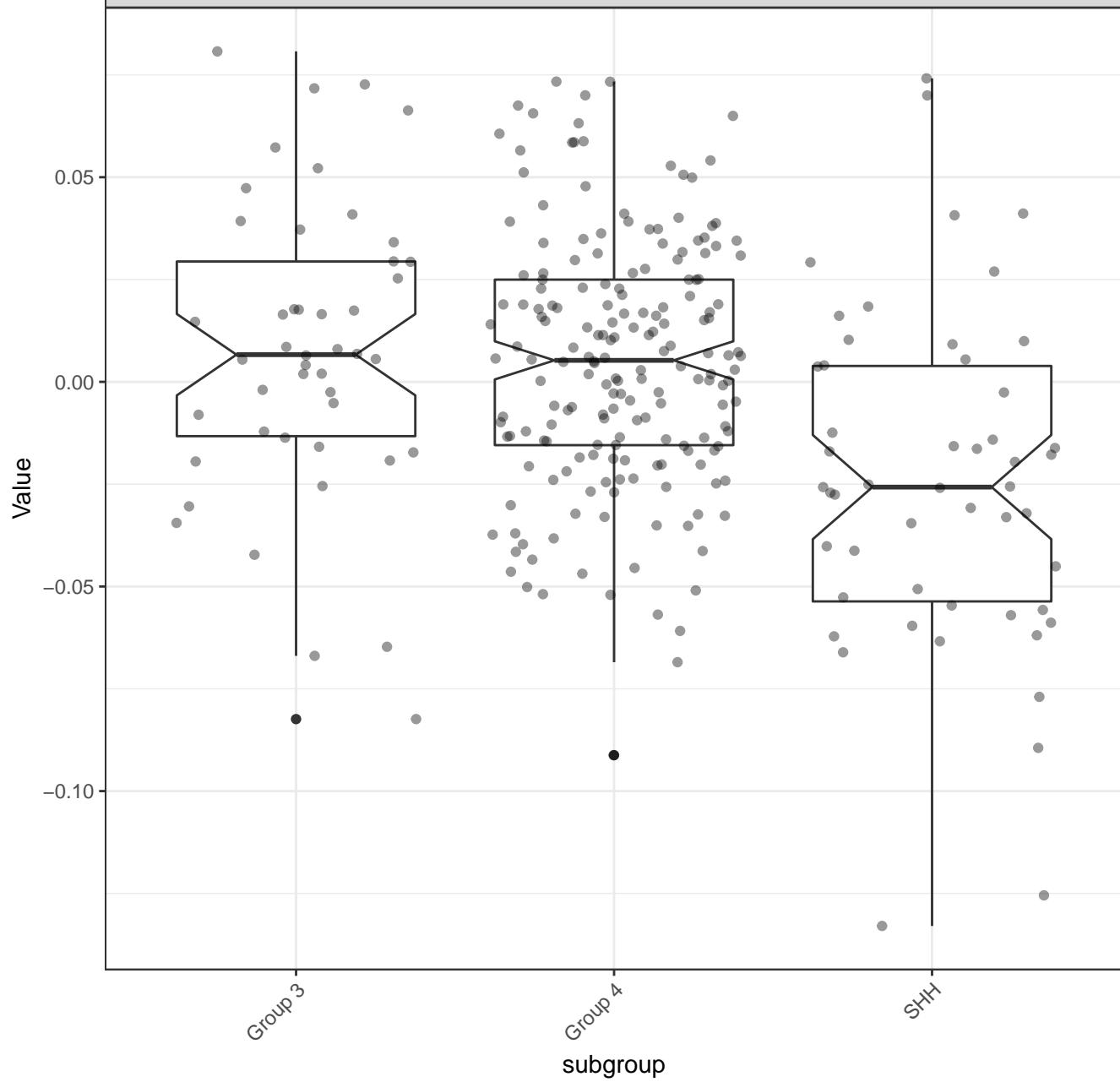
LV 302



LV 303



LV 304



LV 305

Value

0.05

0.00

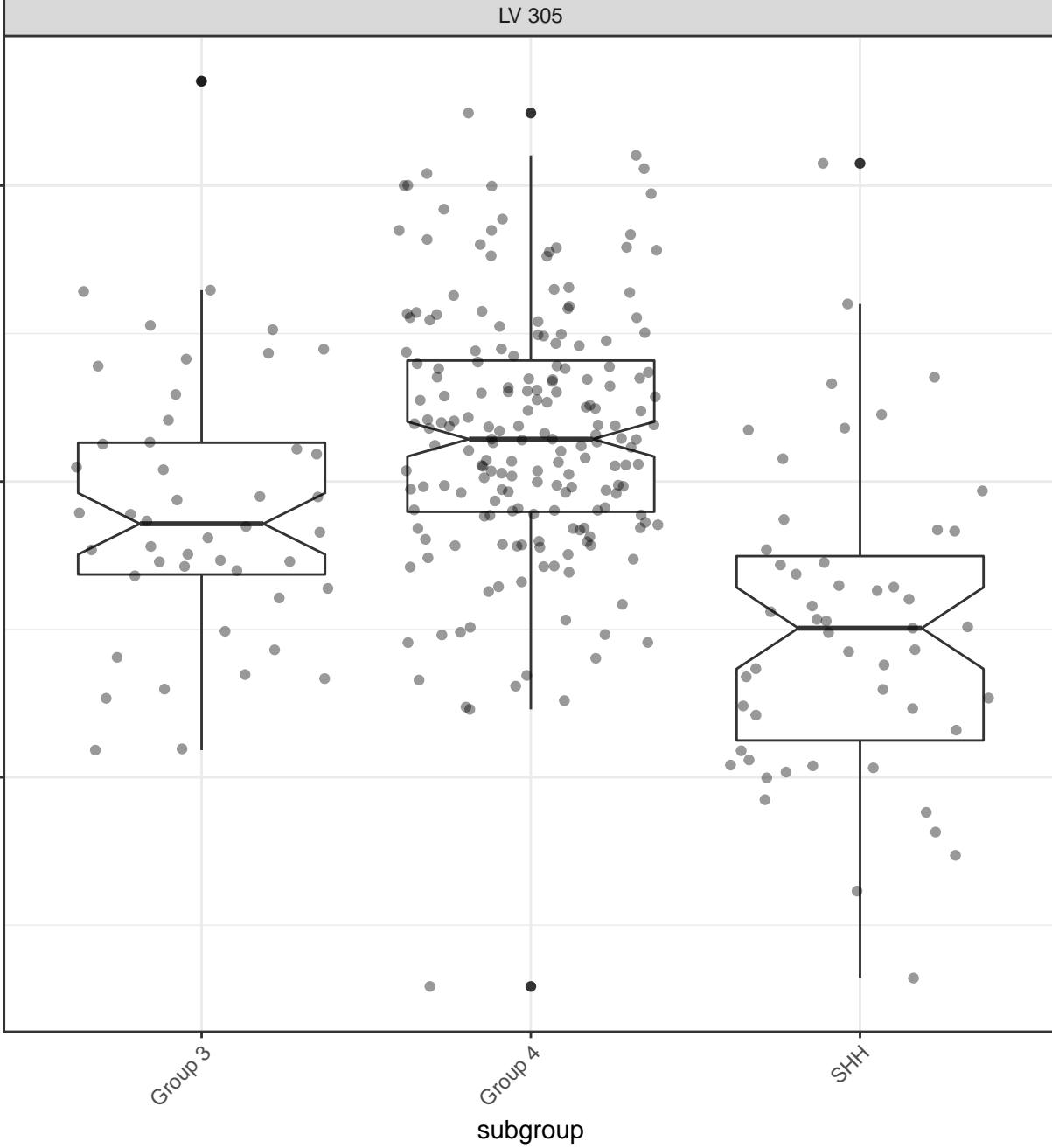
-0.05

Group 3

Group 4

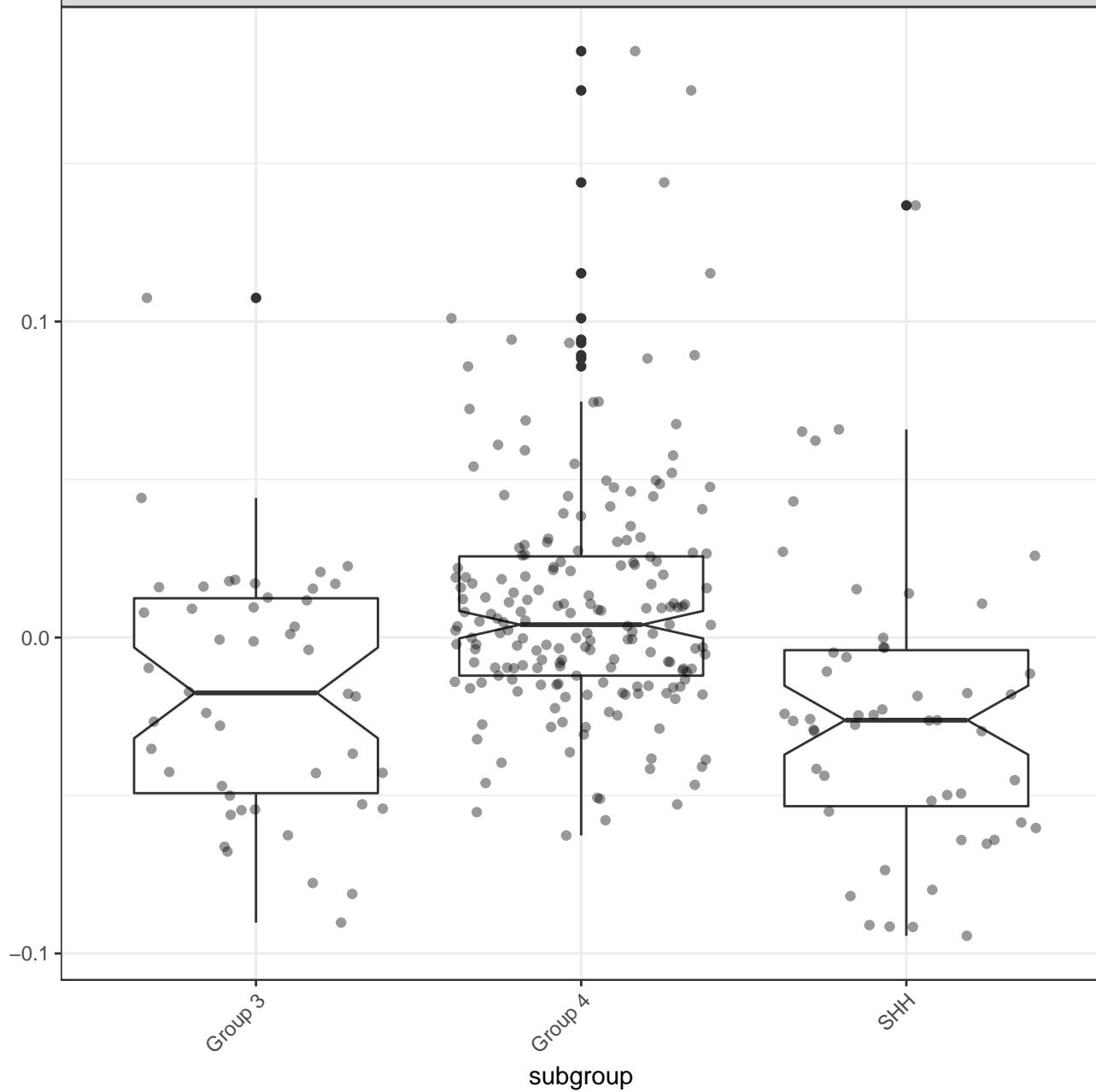
SHH

subgroup

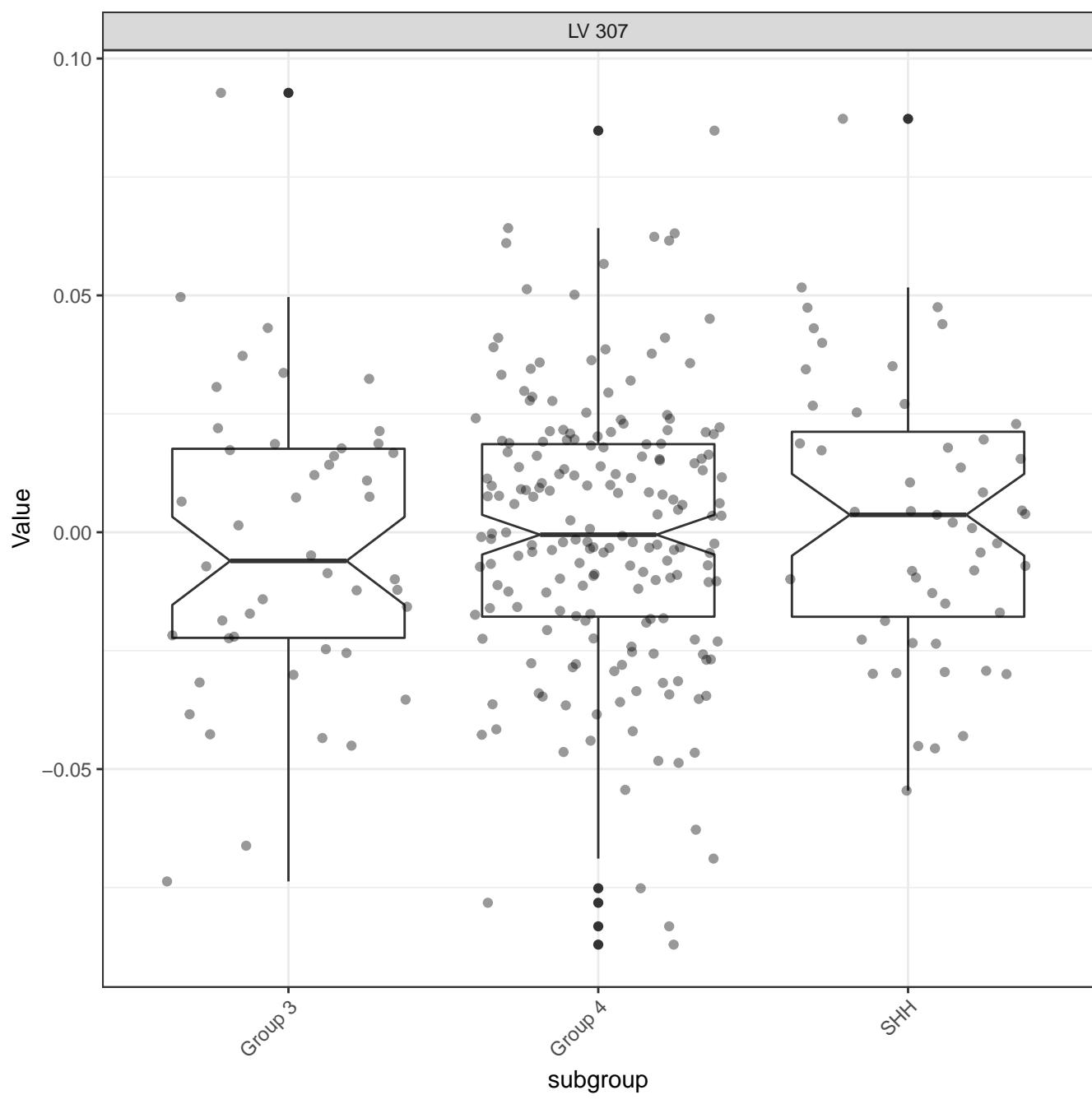


LV 306

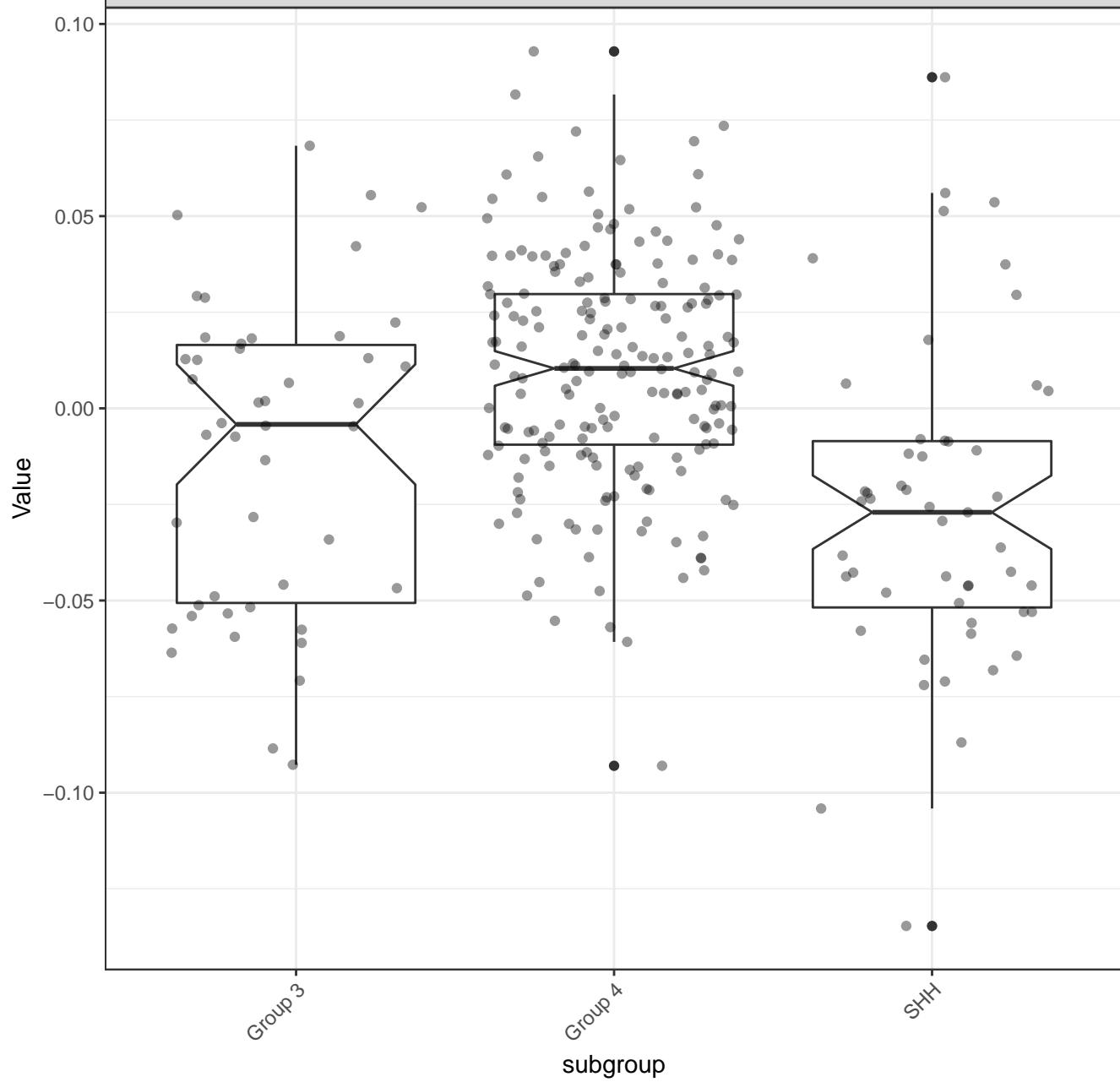
Value



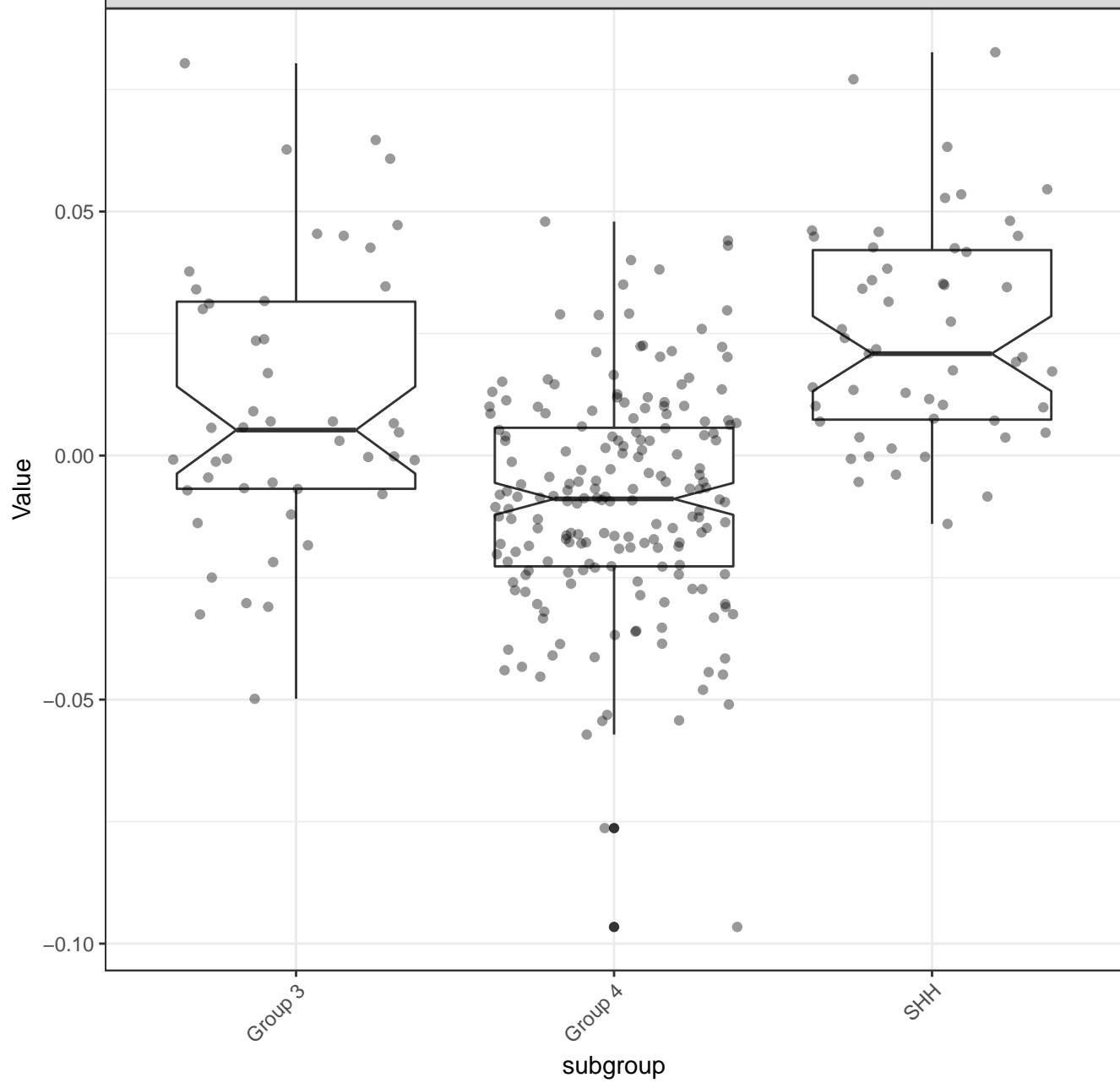
LV 307



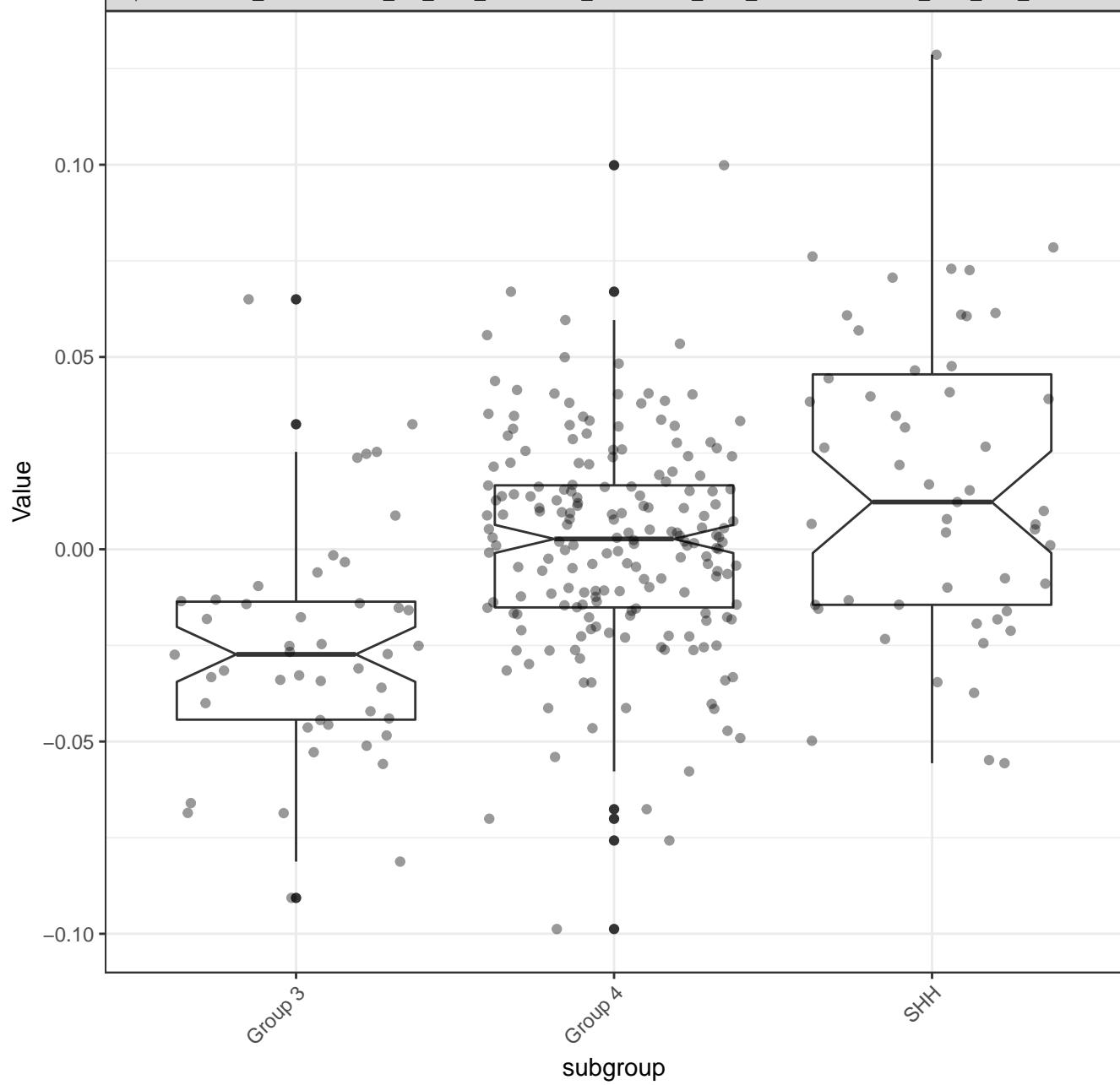
LV 308



LV 309



310,REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_SUBSEQUENTLY_THE_43S_COMPLEX



LV 311

Value

0.10

0.05

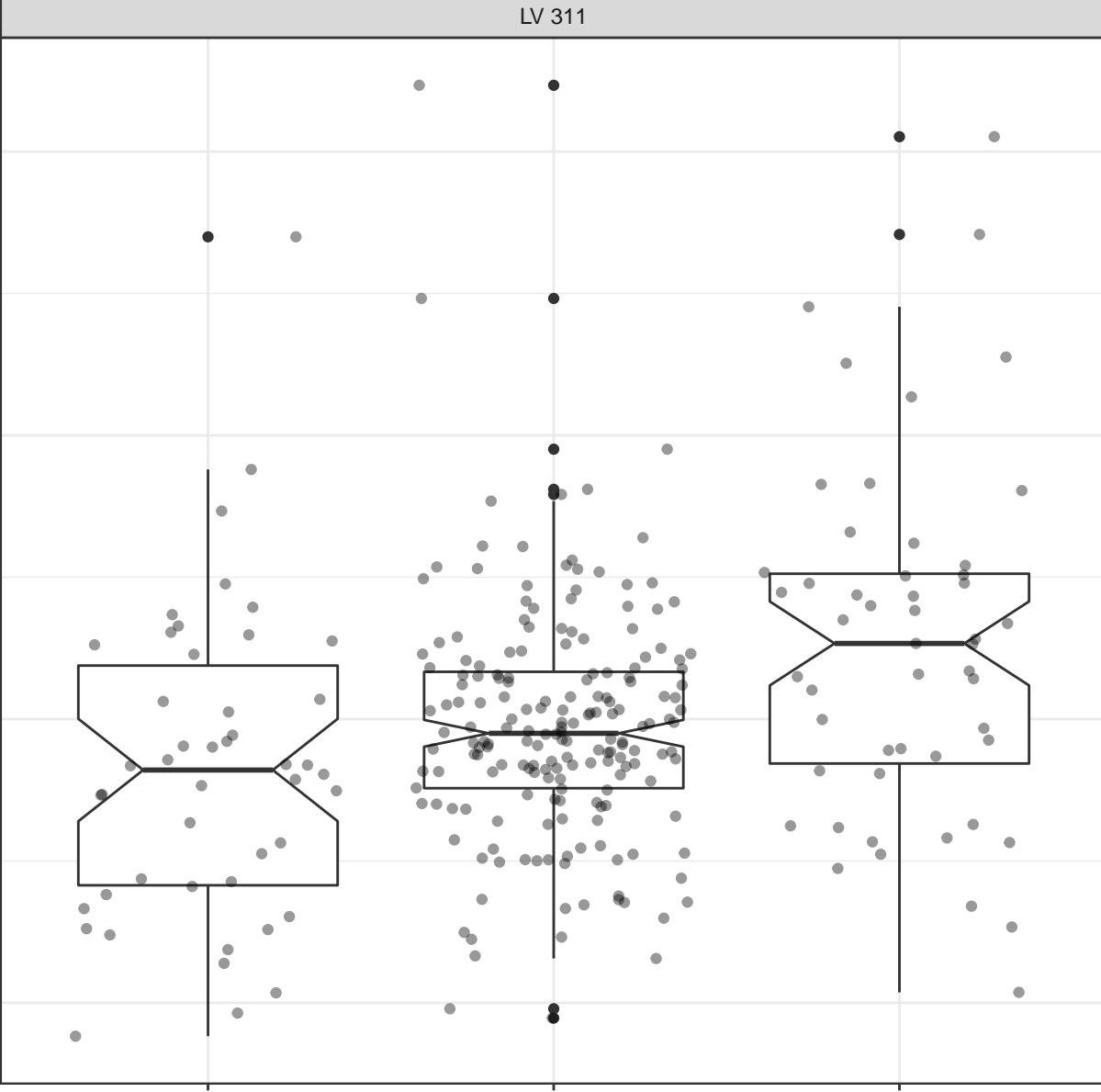
0.00

-0.05

Group 3

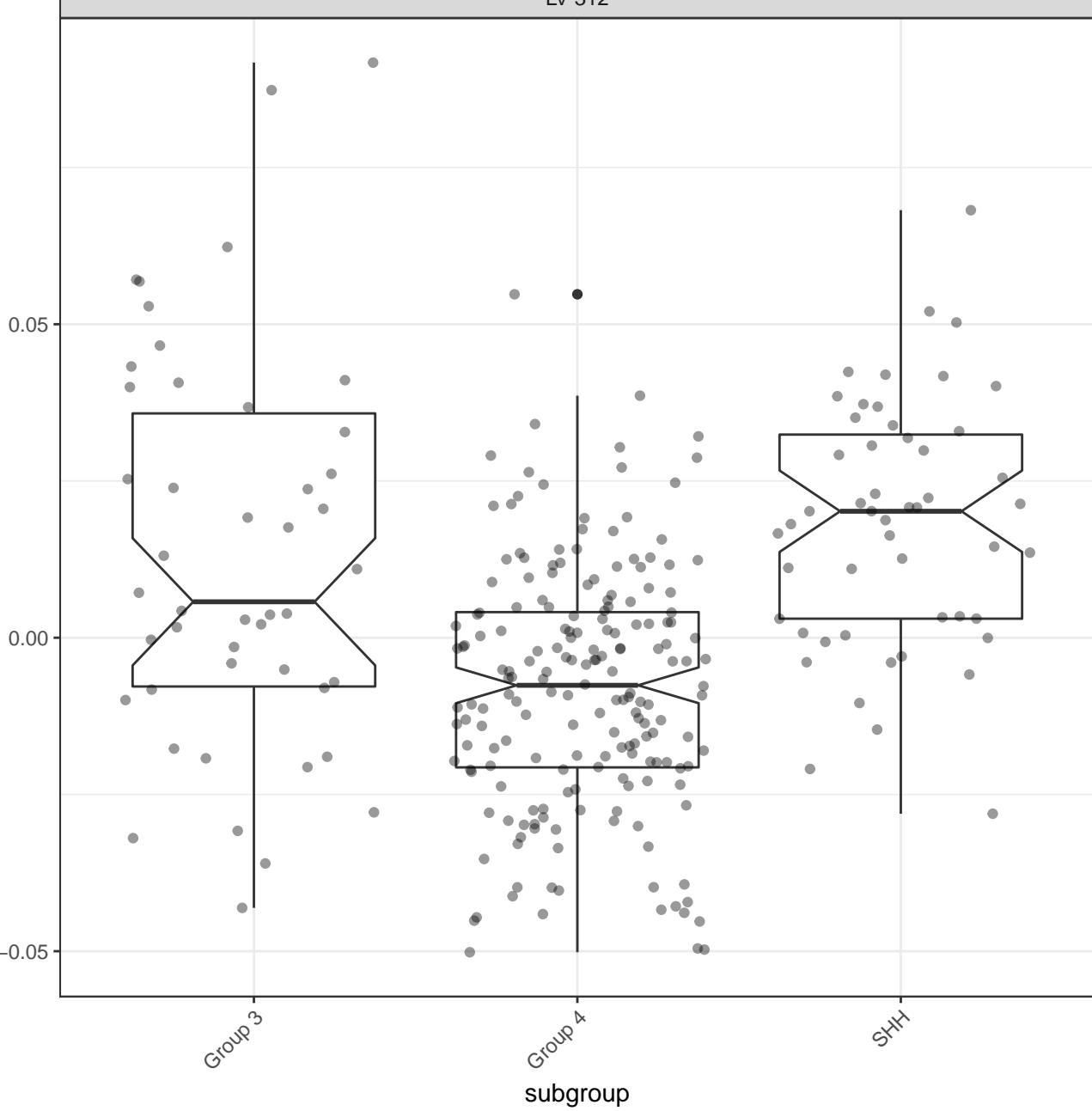
subgroup

SHH

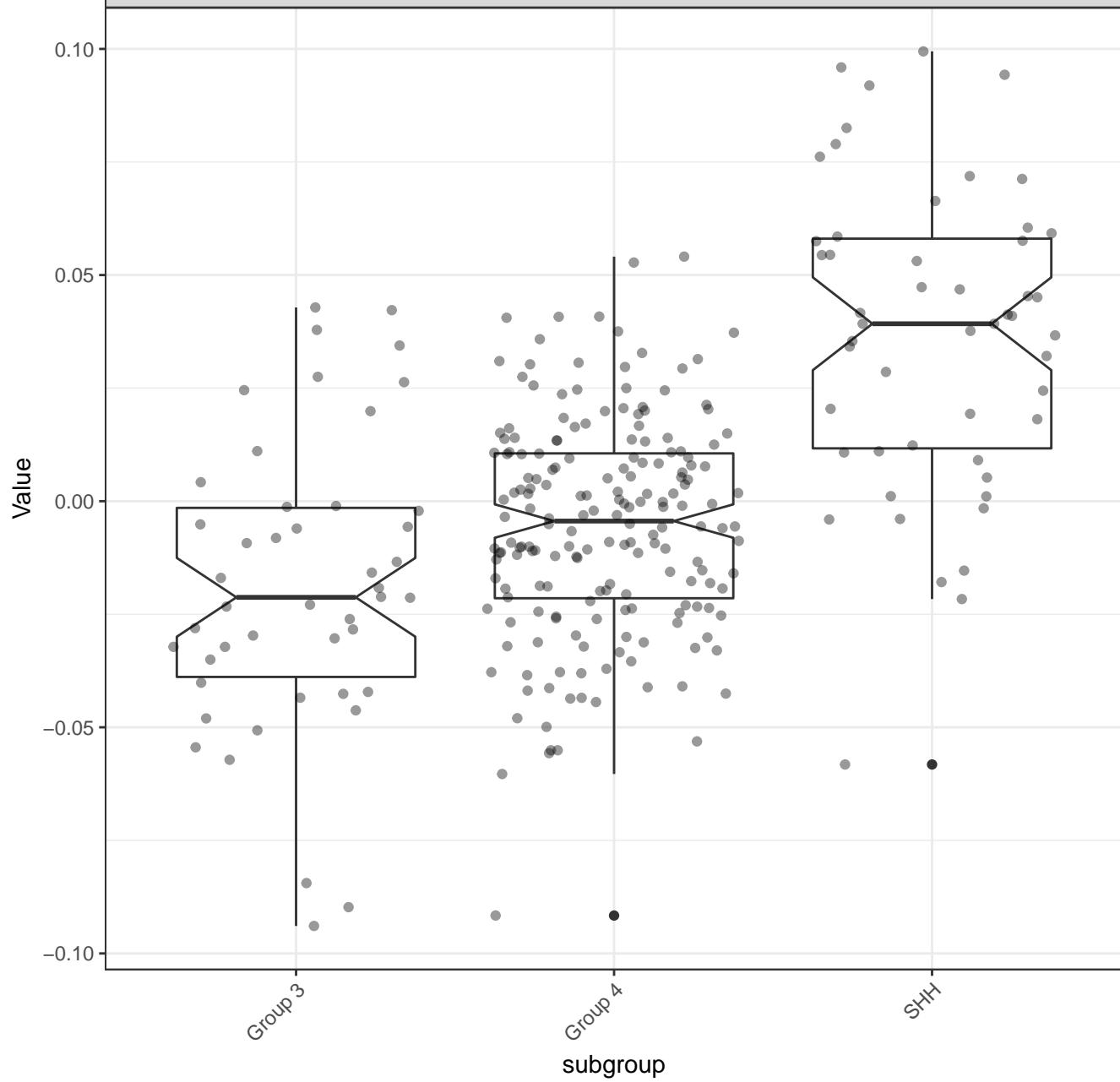


LV 312

Value



LV 313



LV 314

Value

0.10

0.05

0.00

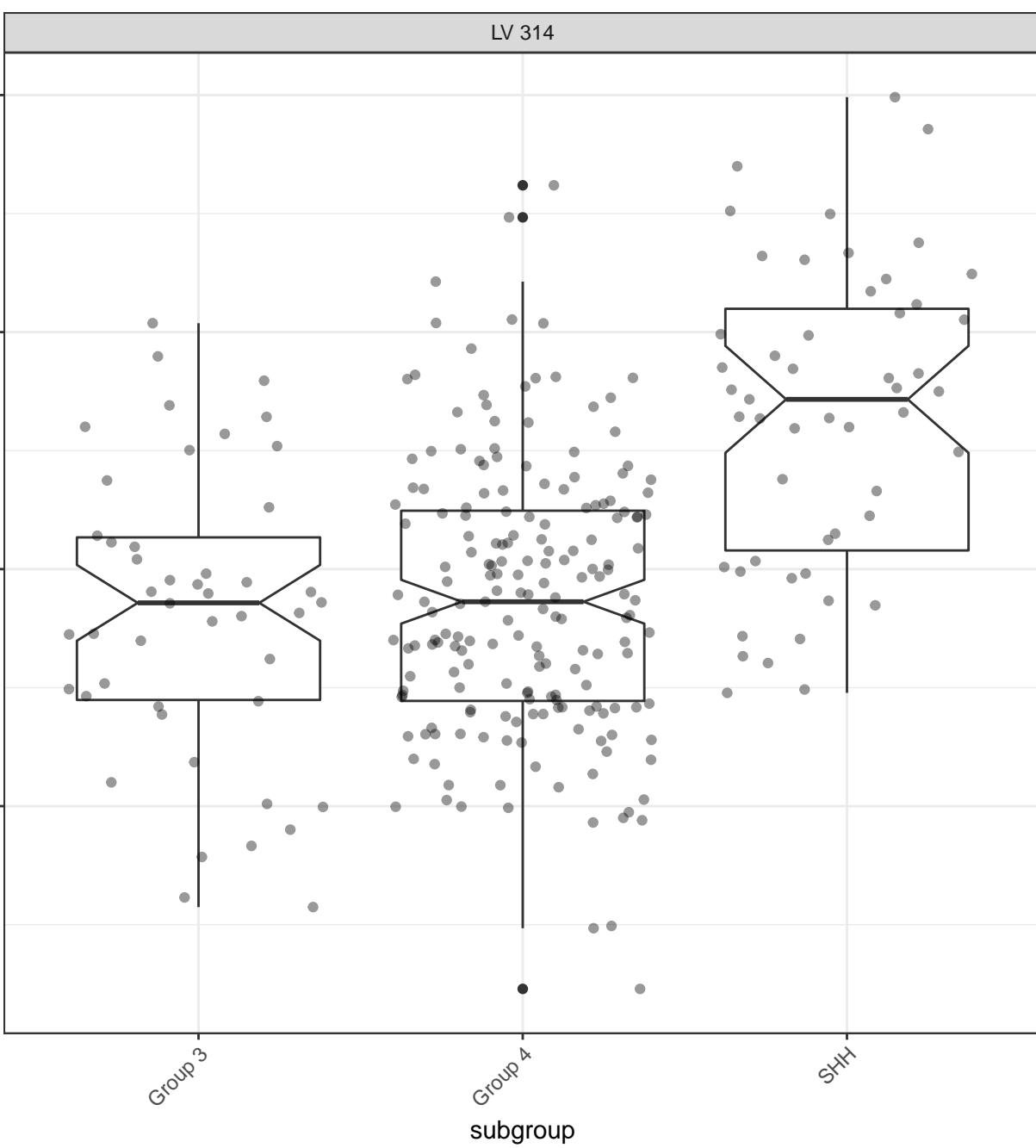
-0.05

Group 3

subgroup

Group 4

SHH



LV 315

Value

0.1

0.0

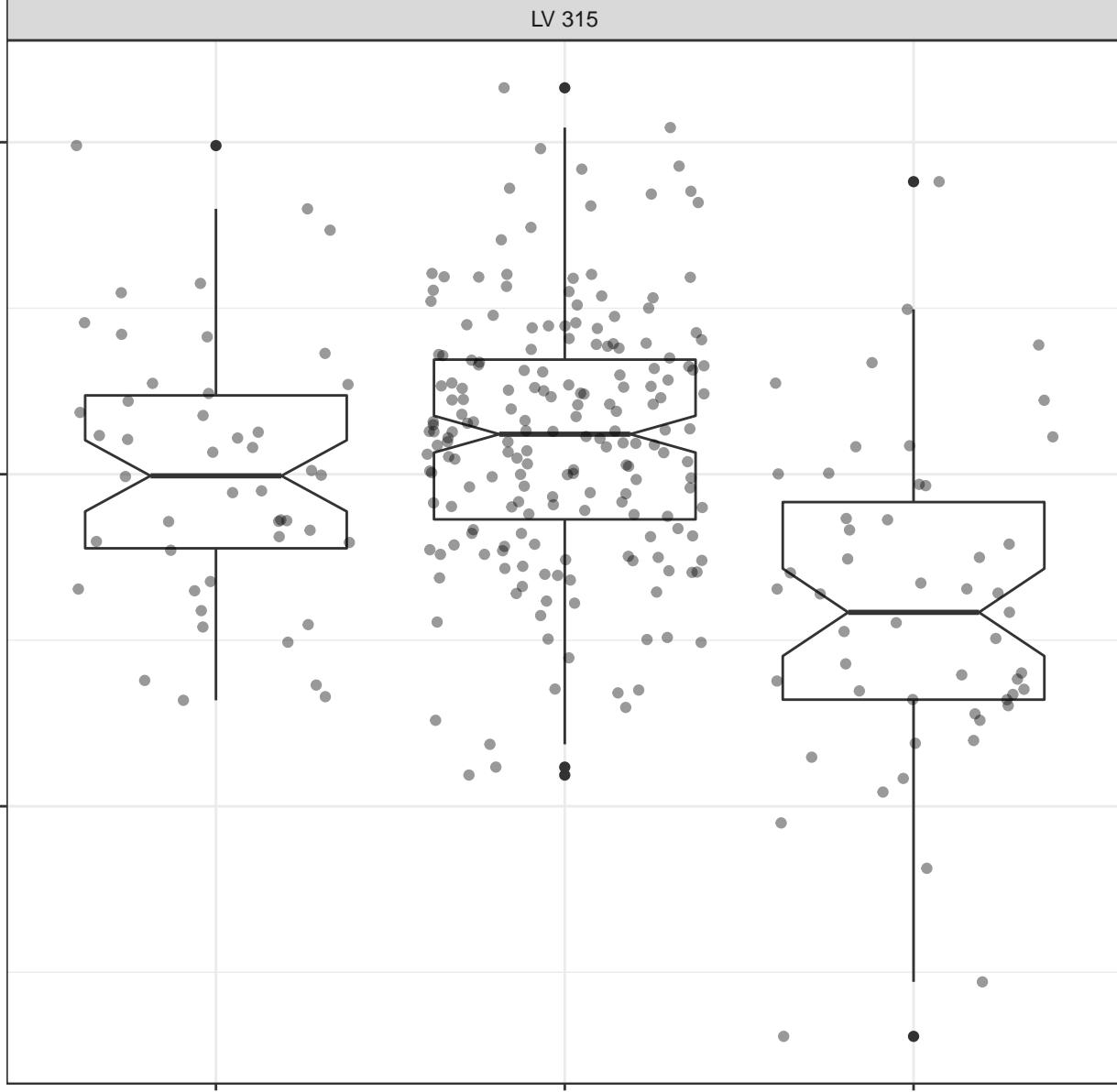
-0.1

Group 3

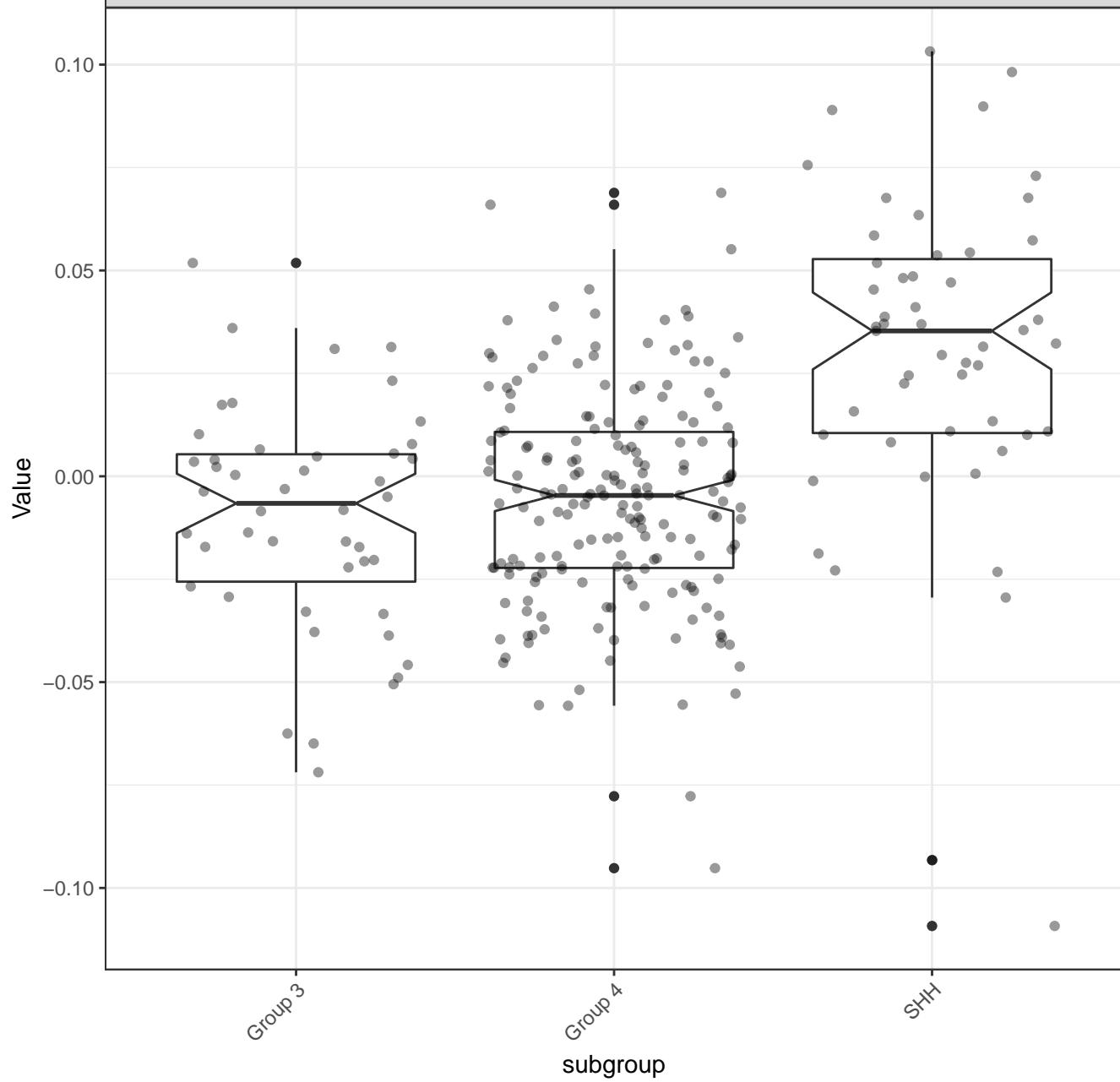
Group 4

SHH

subgroup



LV 316



LV 317

Value

0.10

0.05

0.00

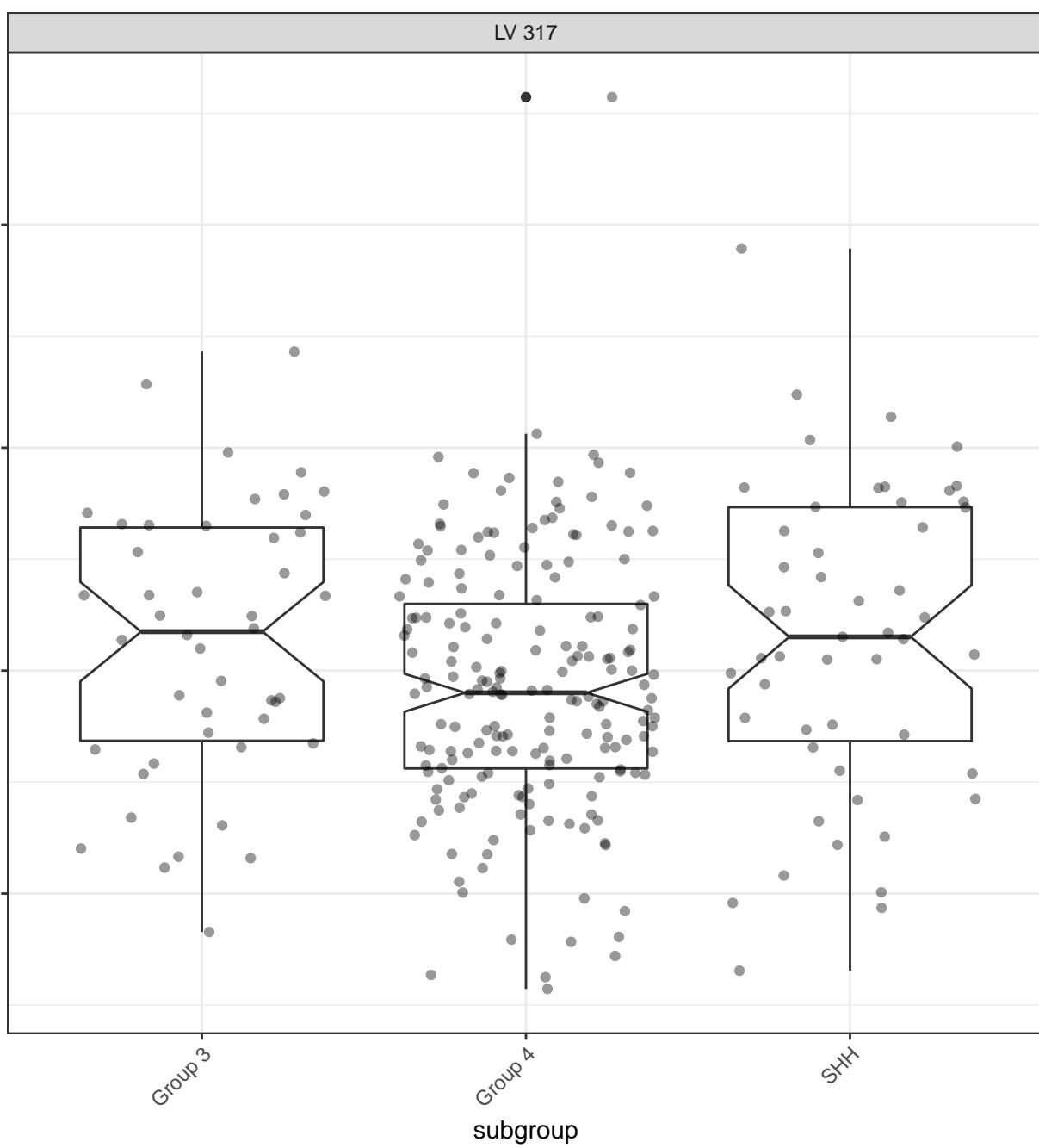
-0.05

Group 3

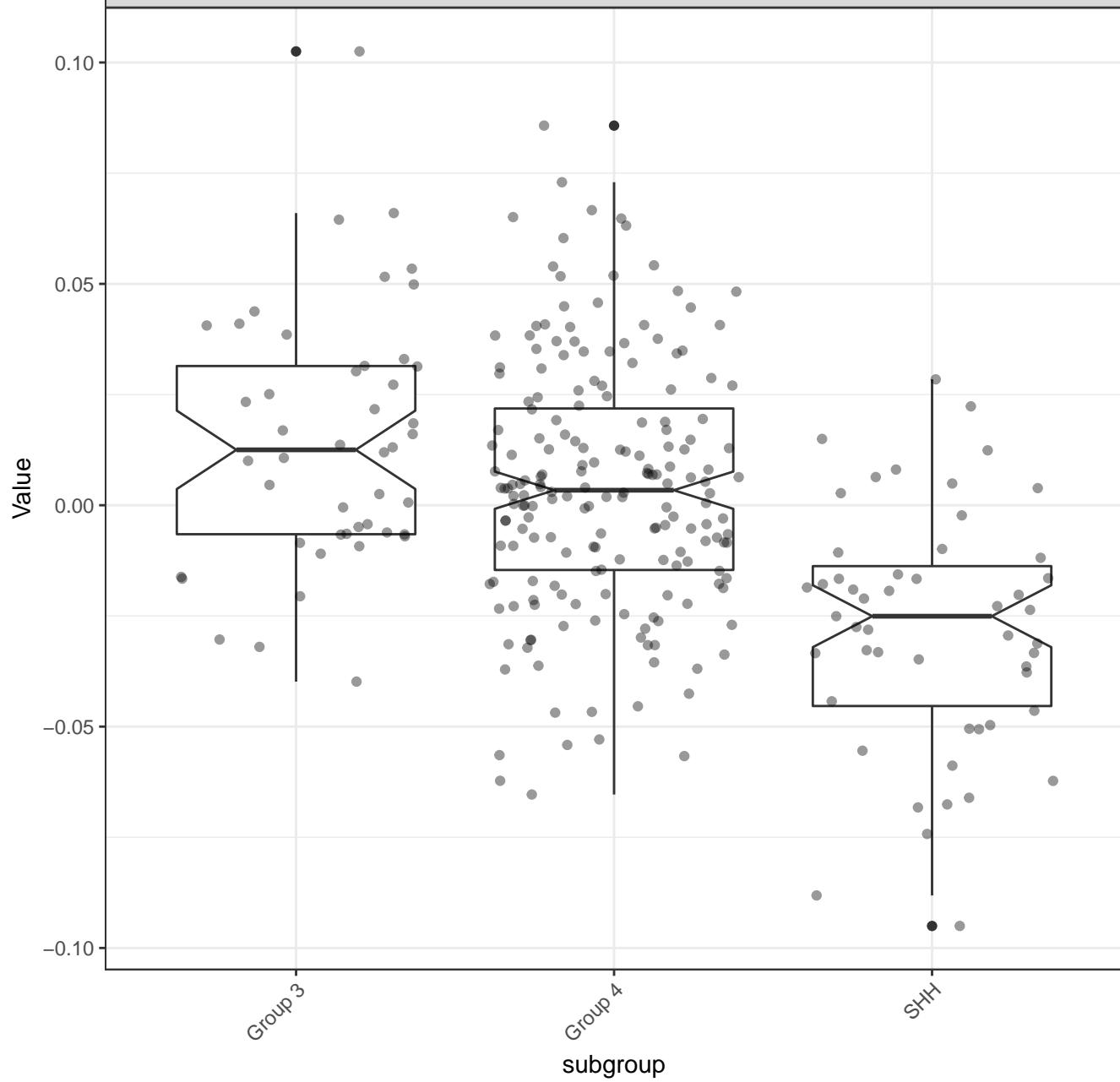
subgroup

Group 4

SHH



LV 318



LV 319

Value

0.05

0.00

-0.05

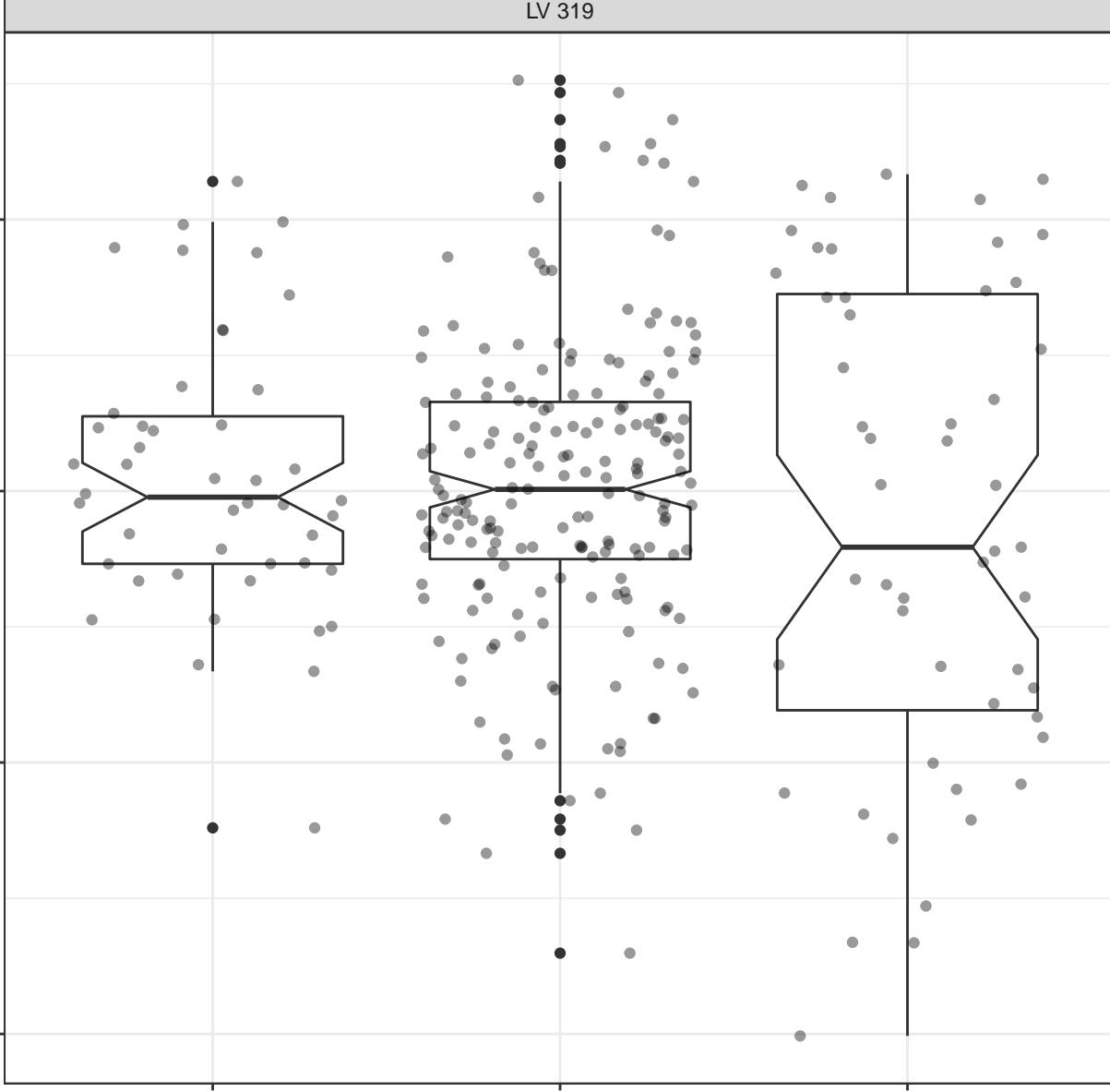
-0.10

Group 3

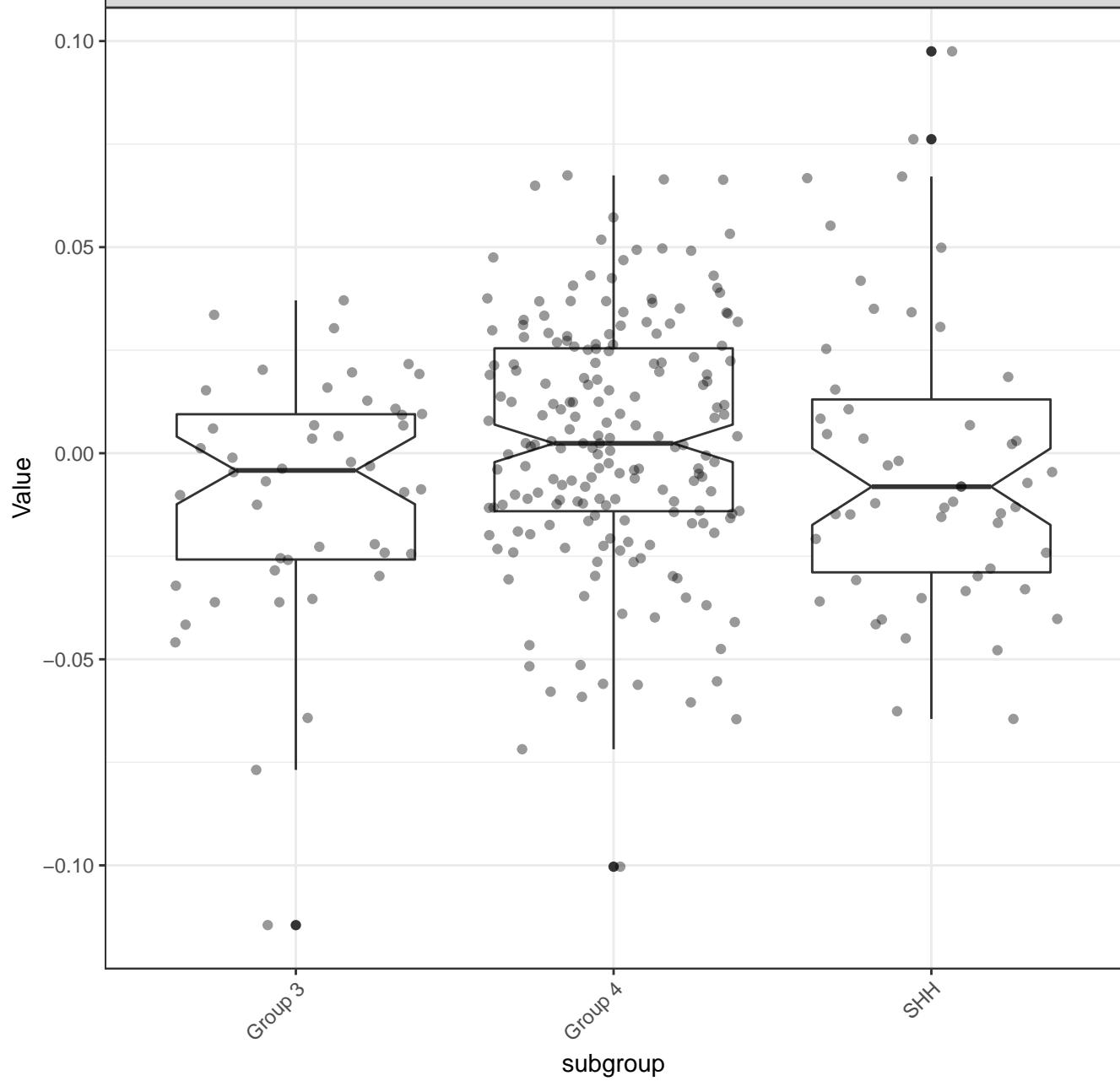
Group 4

SHH

subgroup



LV 320



Value

0.10

0.05

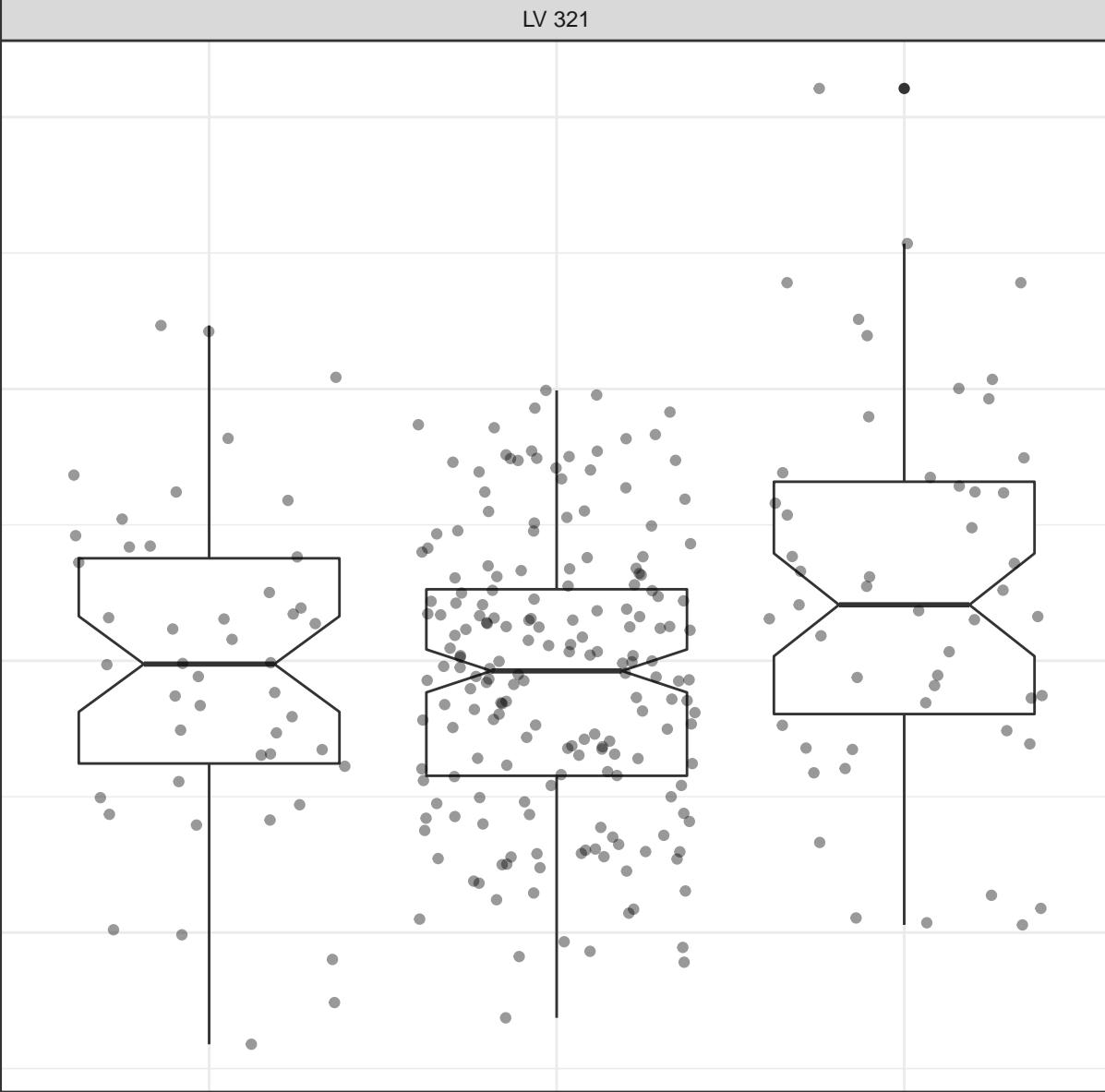
0.00

-0.05

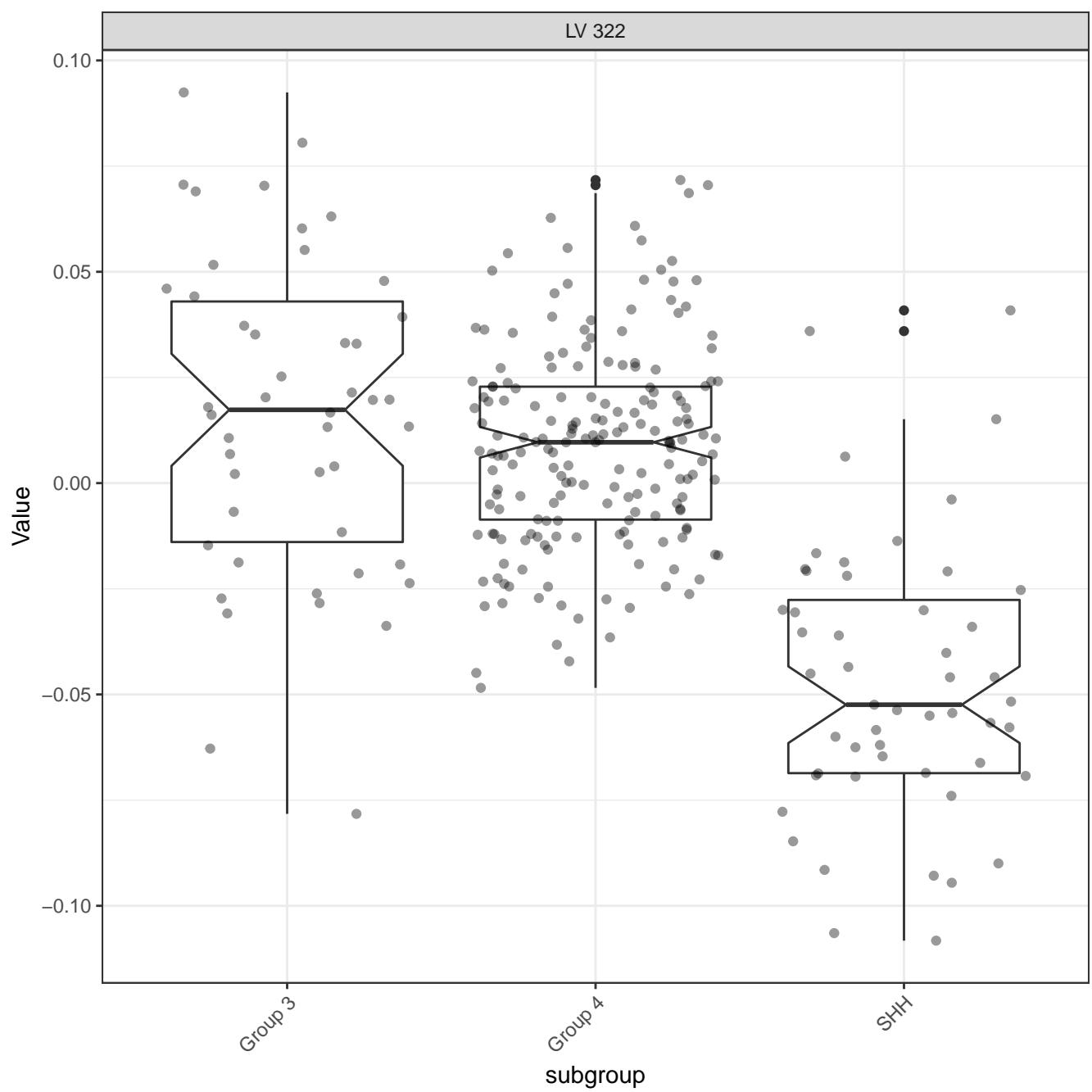
Group 3

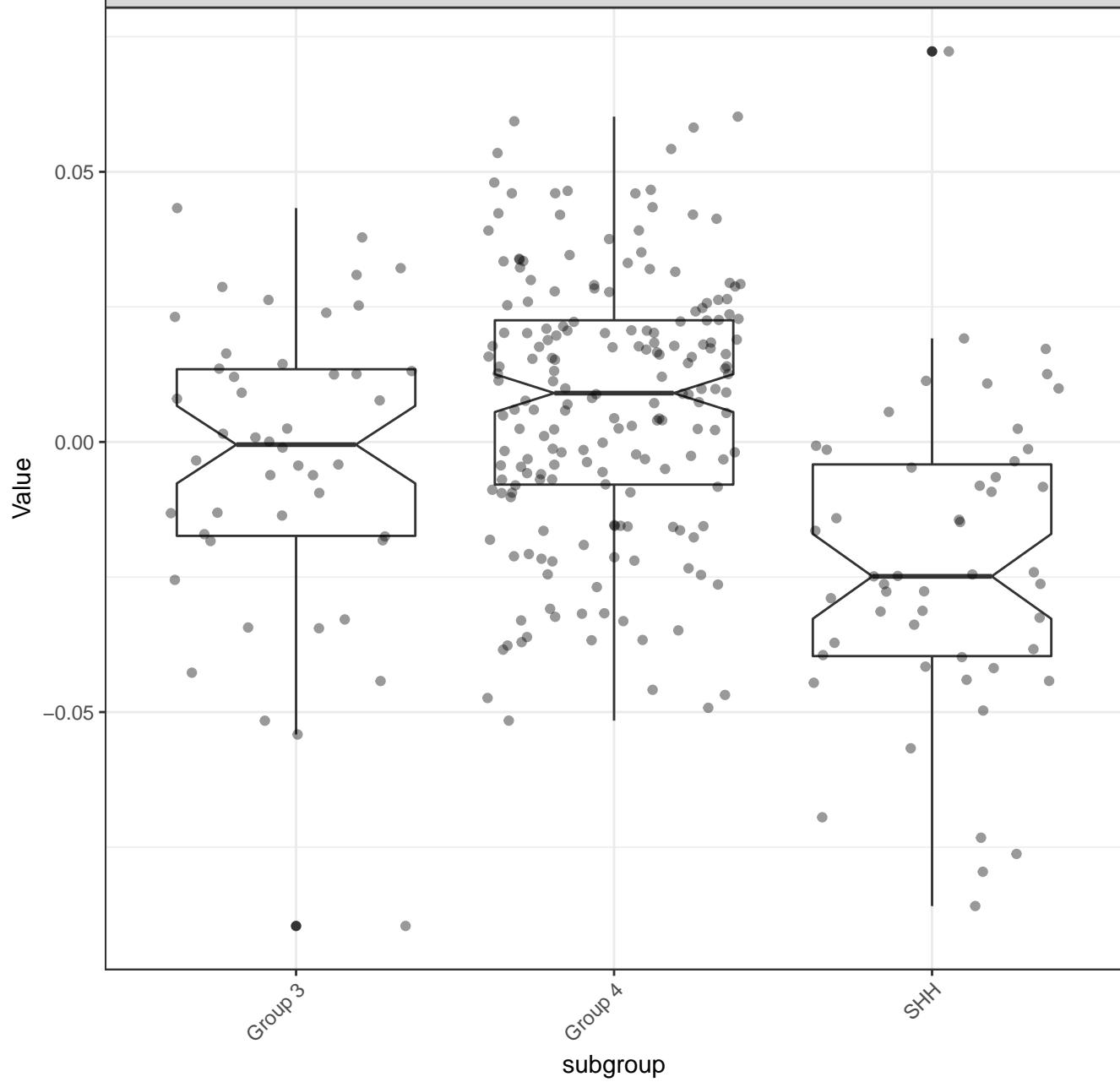
subgroup

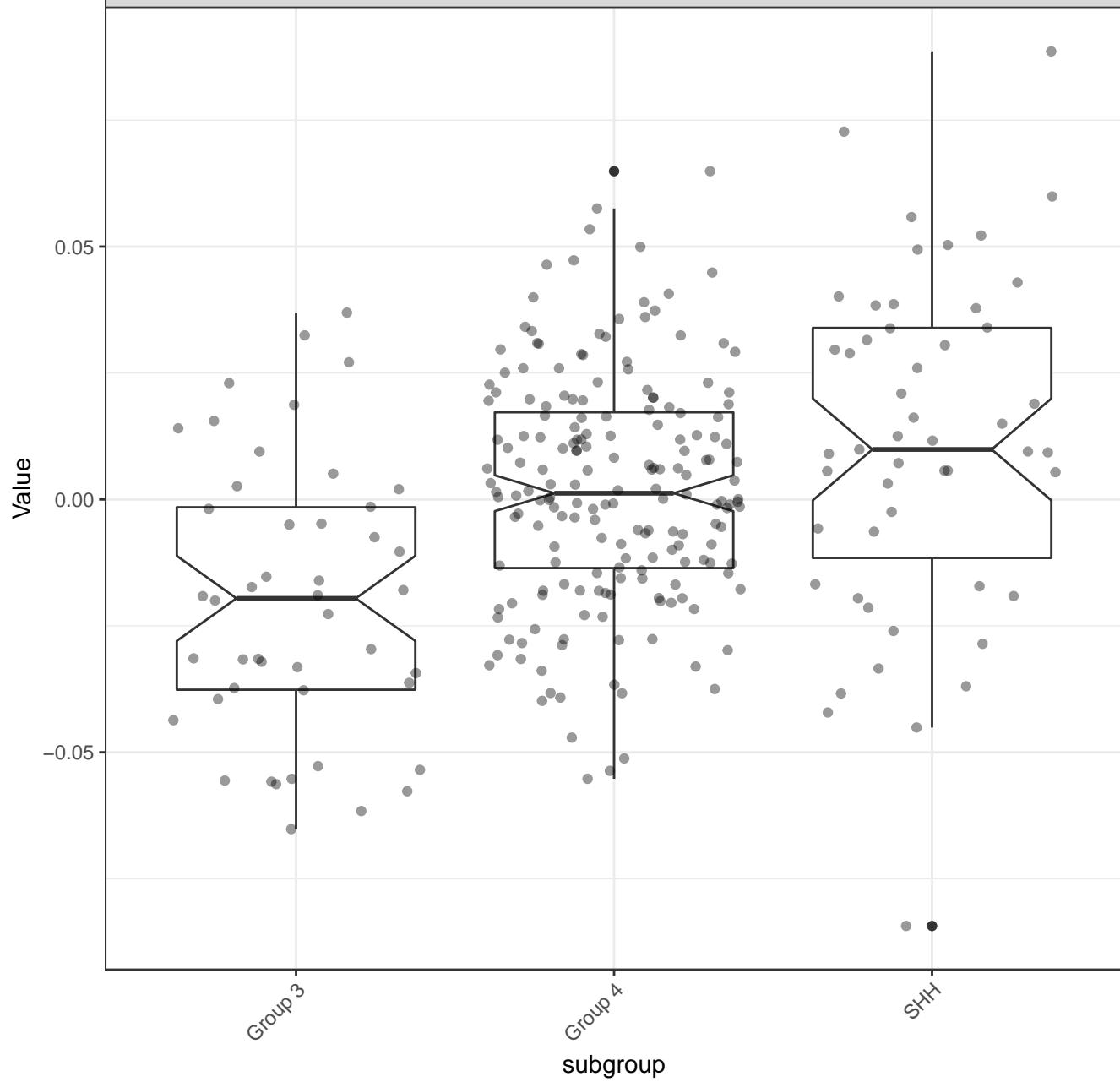
SHH

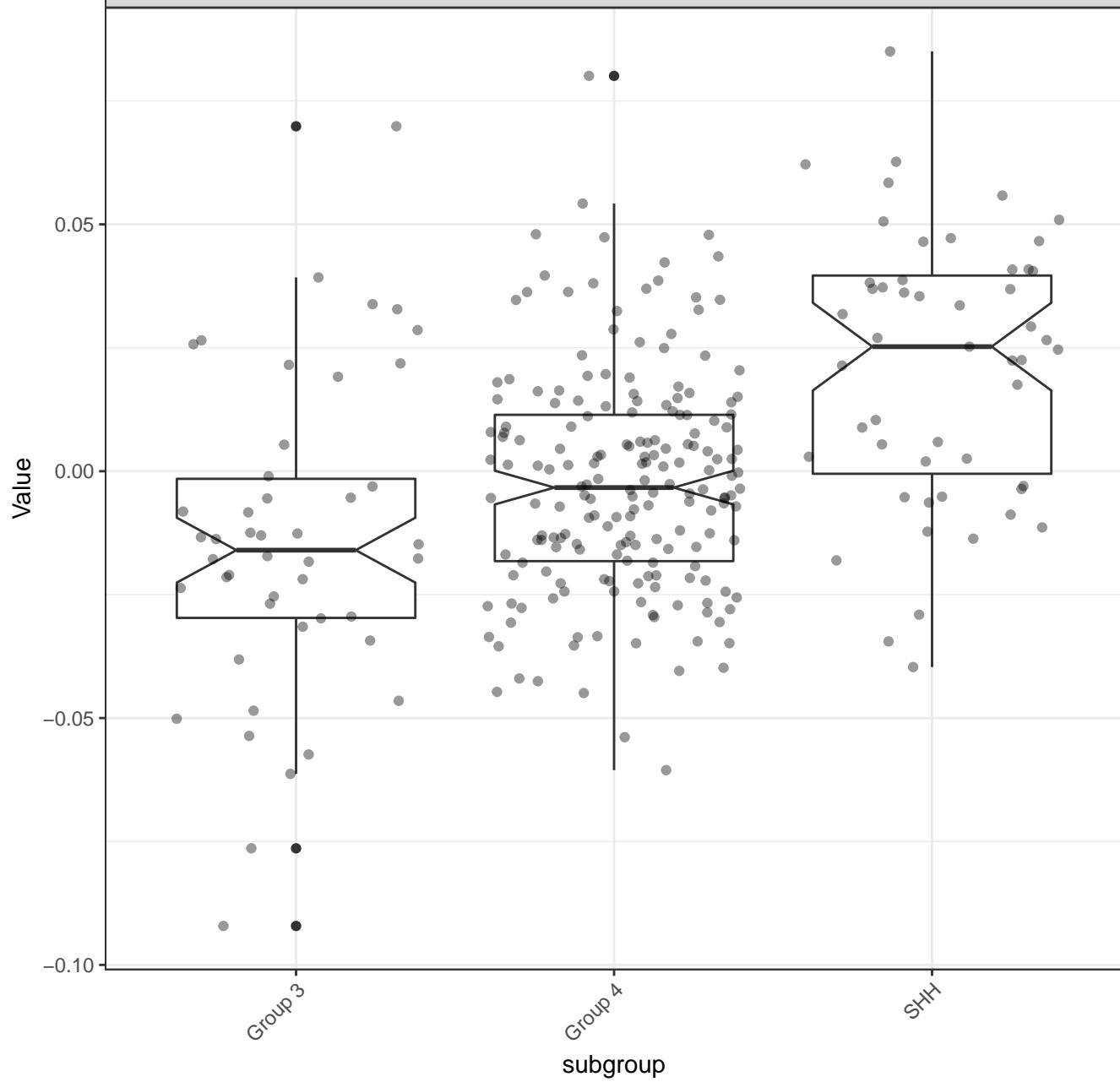


LV 322

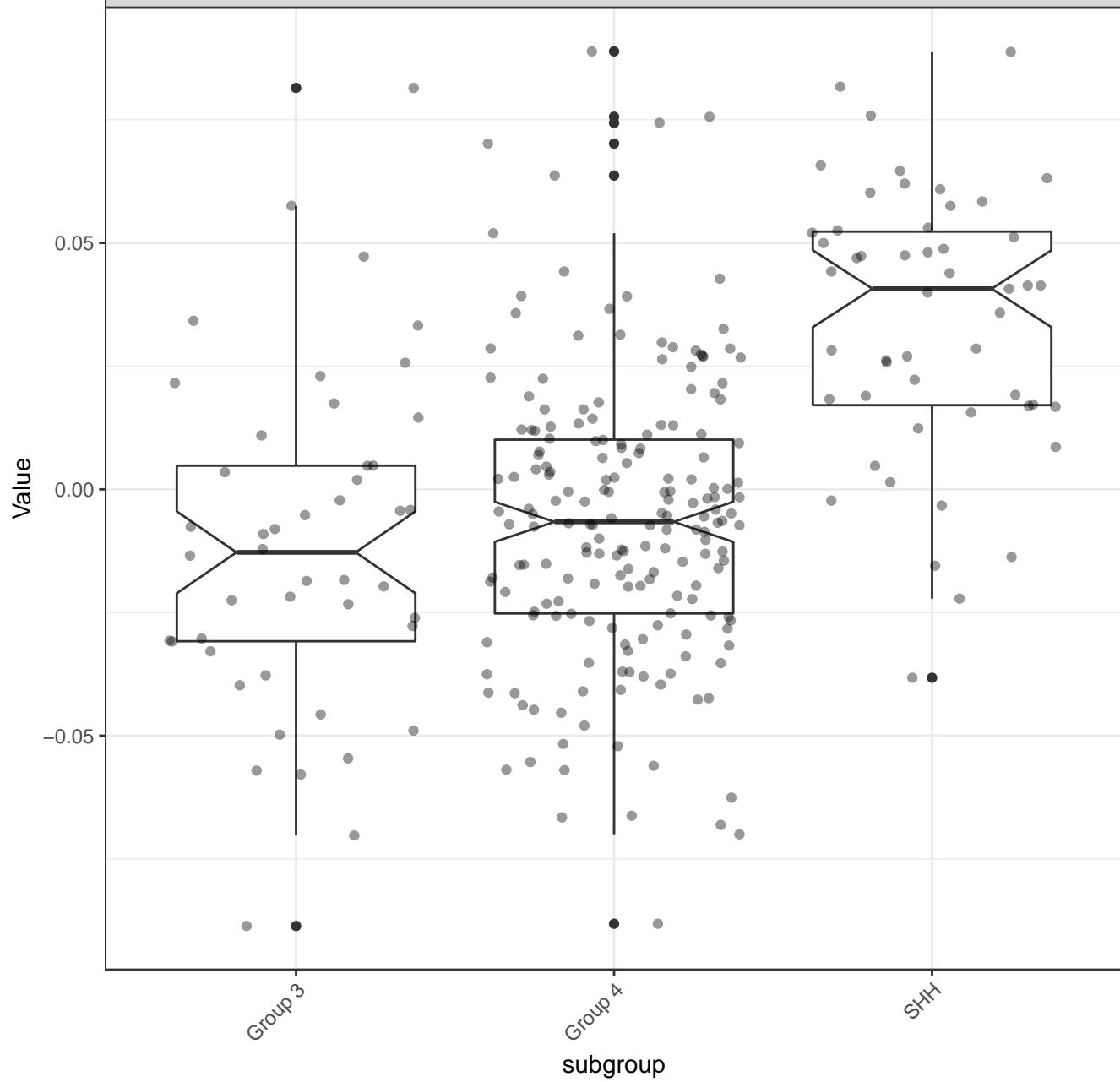


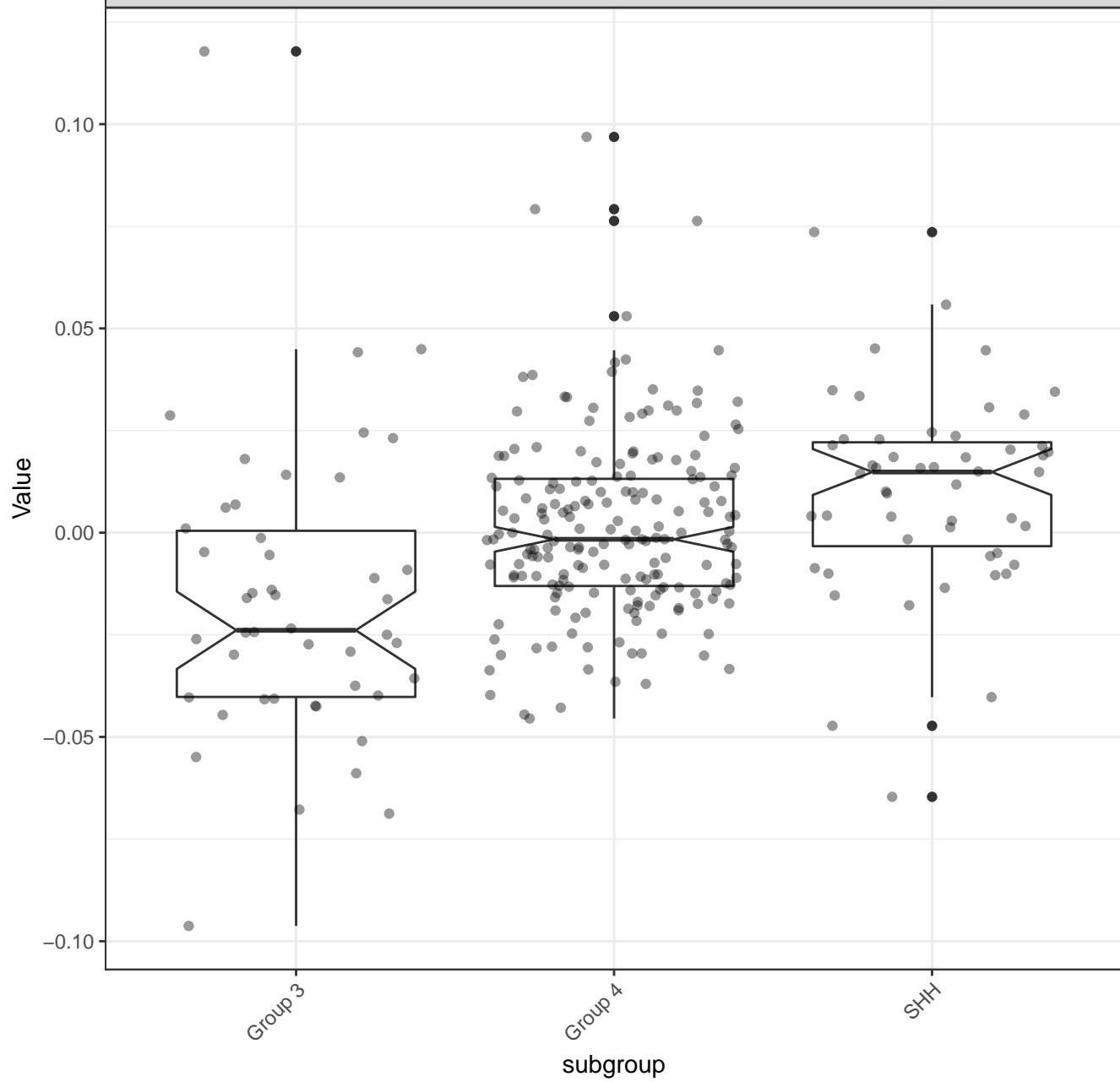


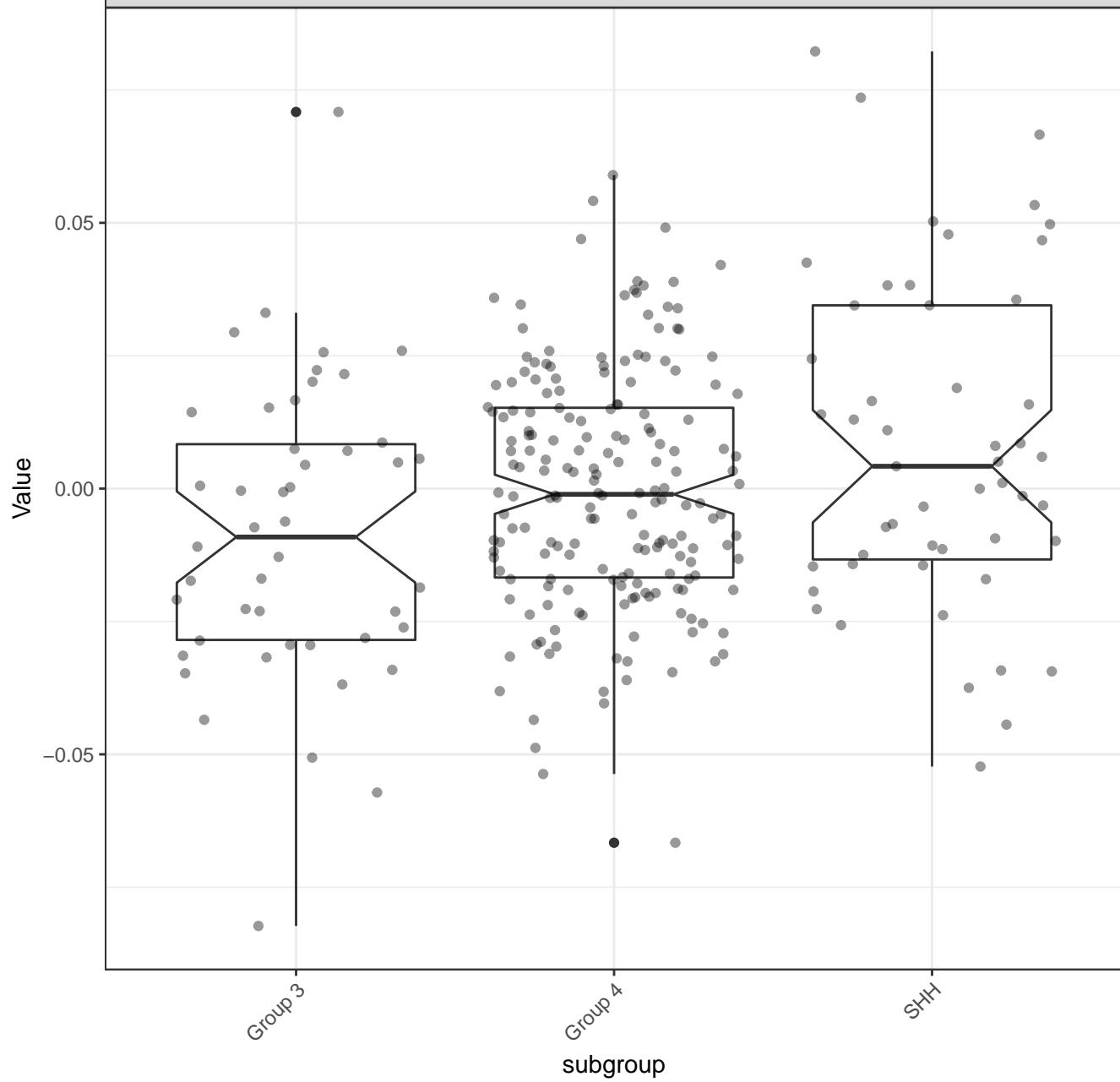




LV 326







LV 329

Value

0.05

0.00

-0.05

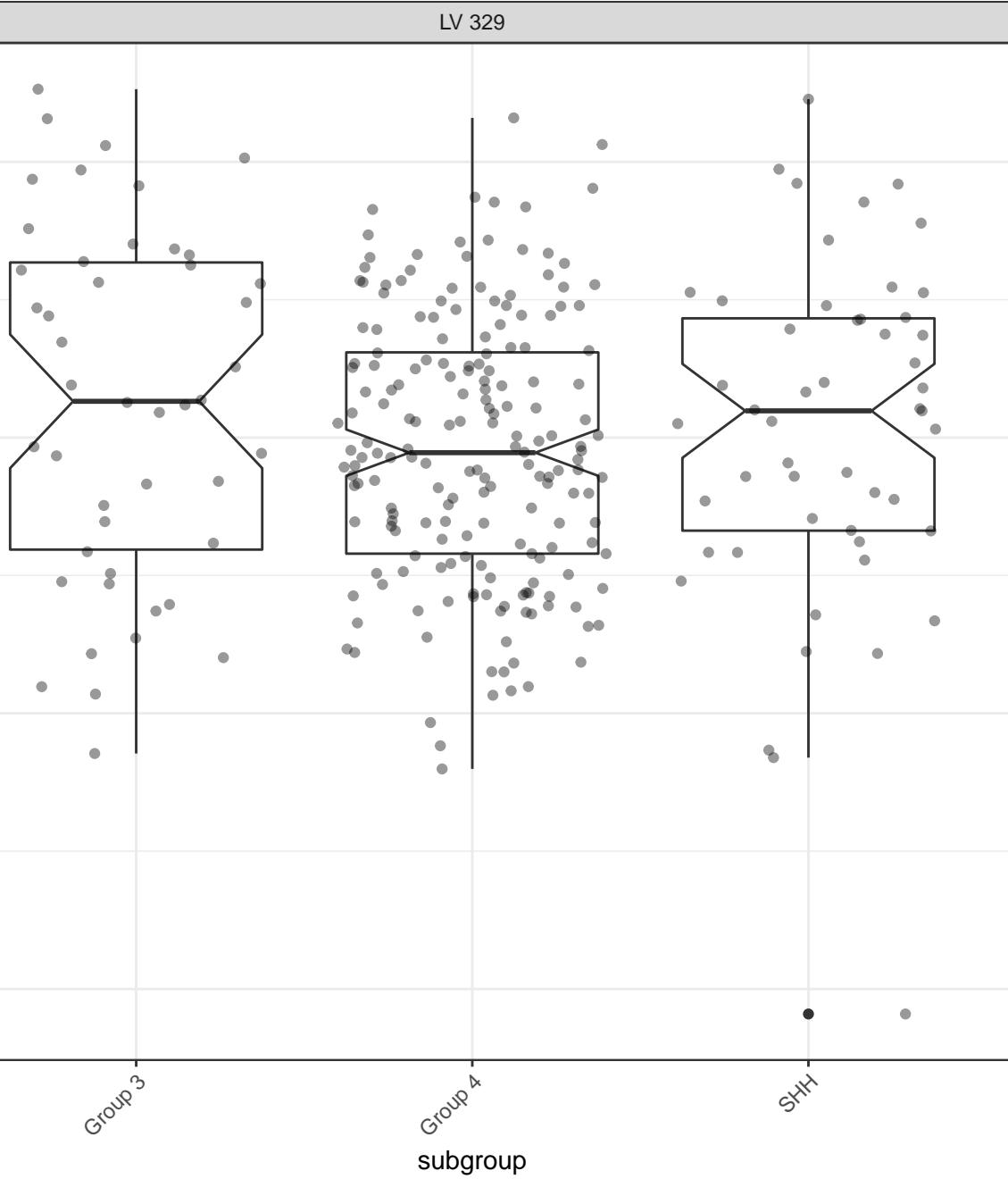
-0.10

Group 3

subgroup

Group 4

SHH



LV 330

Value

0.05

0.00

-0.05

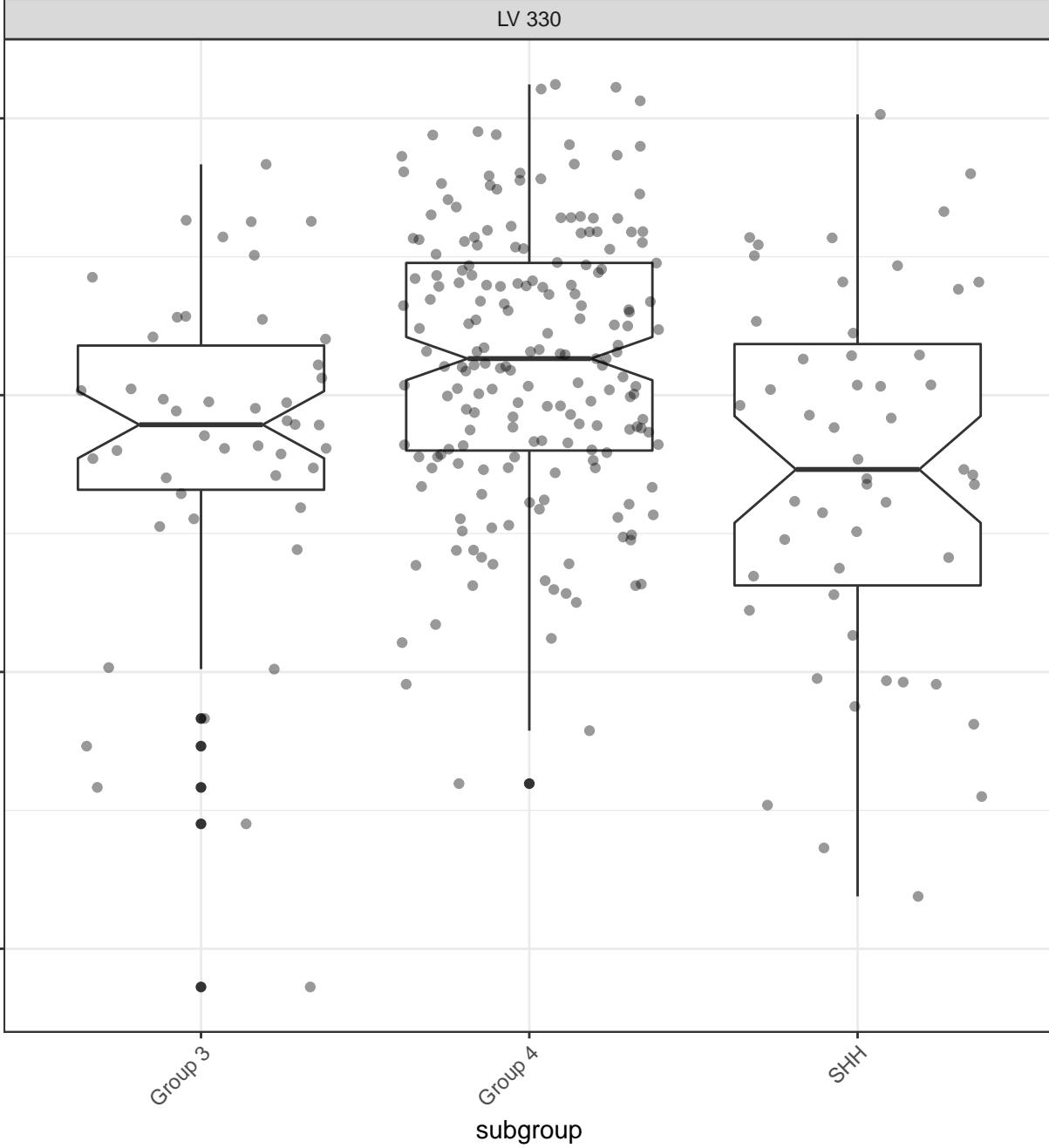
-0.10

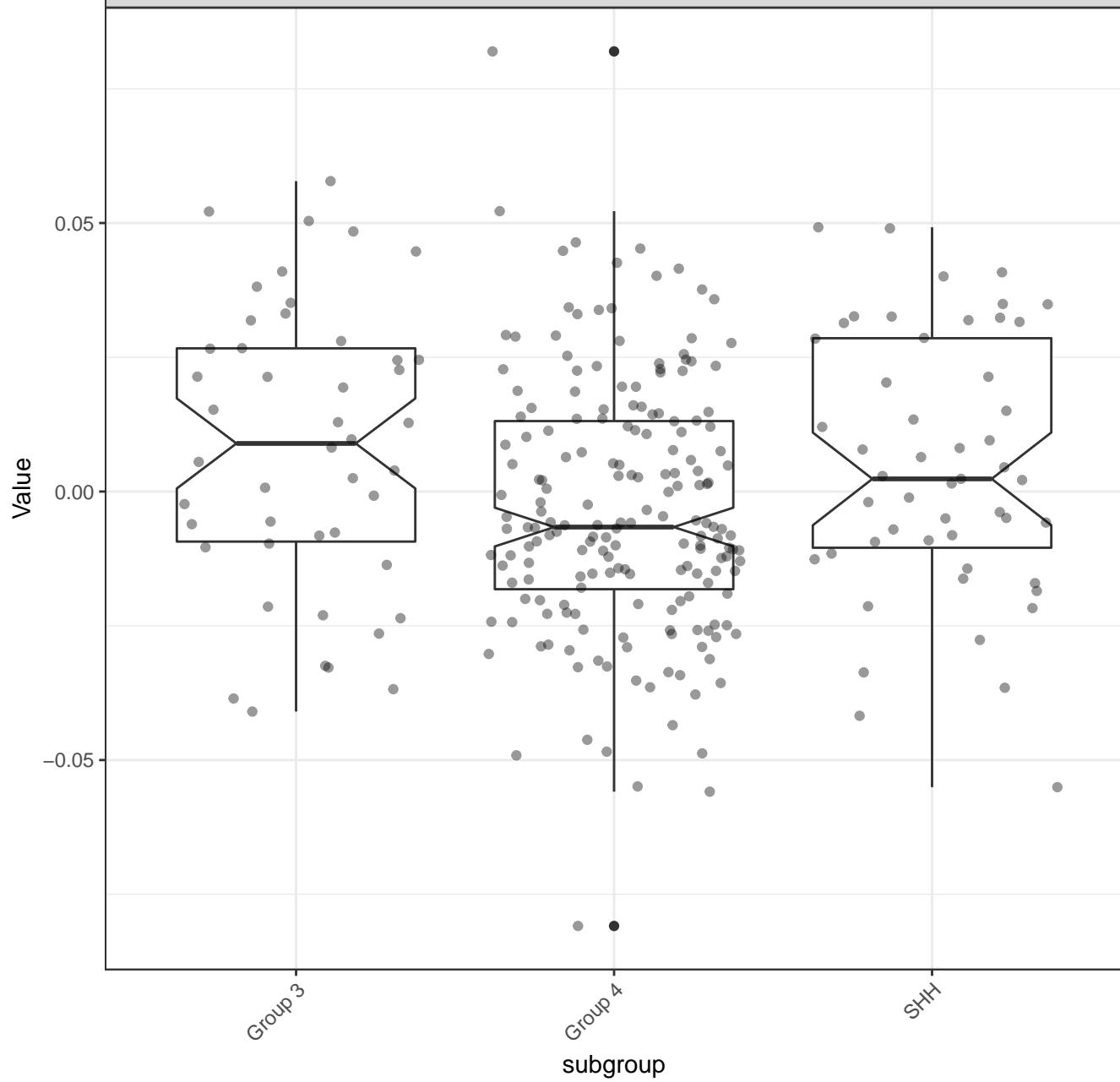
Group 3

Group 4

SHH

subgroup





LV 332

Value

0.05

0.00

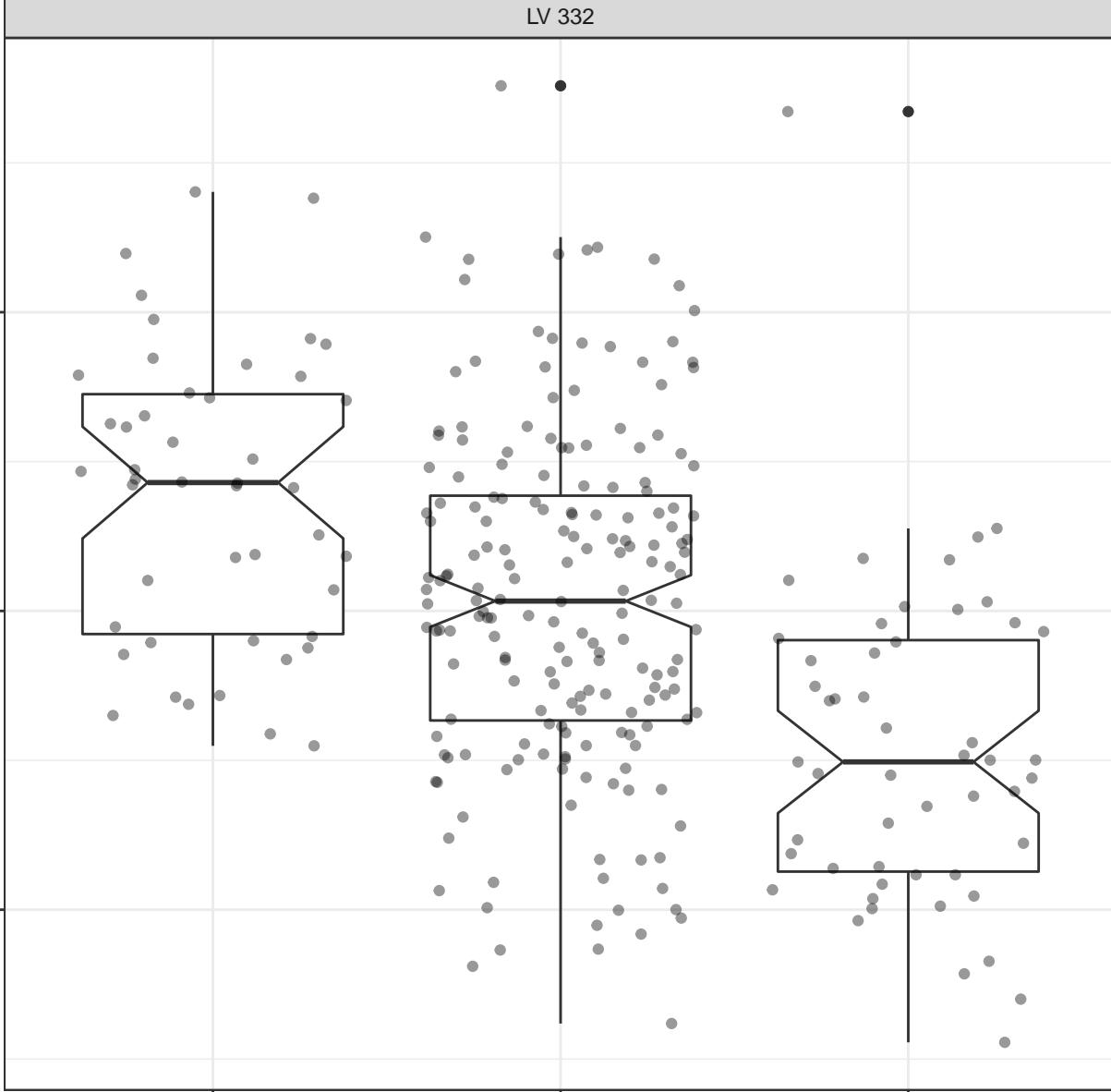
-0.05

Group 3

subgroup

Group 4

SHH



LV 333

Value

0.10

0.05

0.00

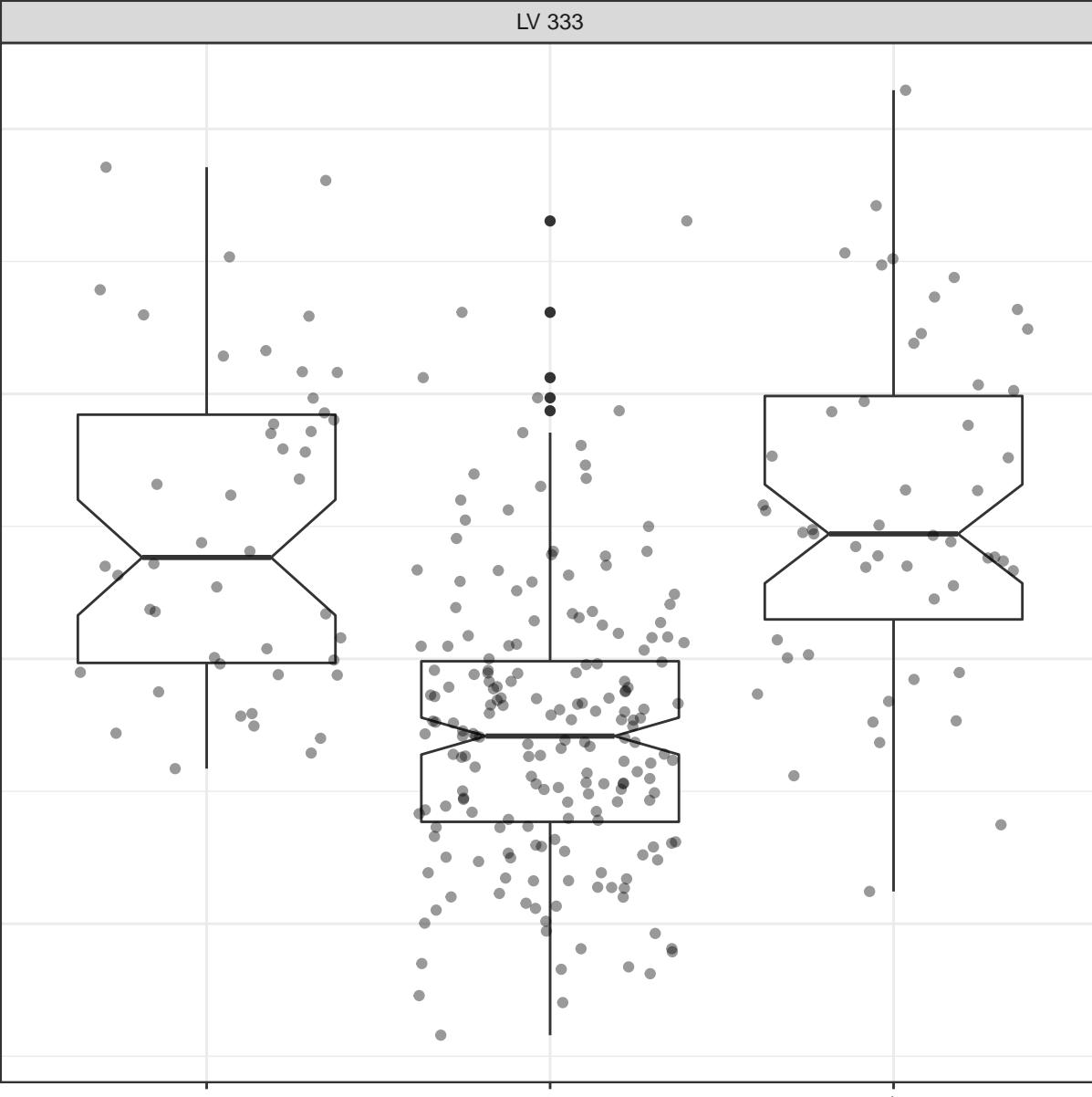
-0.05

Group 3

subgroup

Group 4

SHH



LV 334

Value

0.3

0.2

0.1

0.0

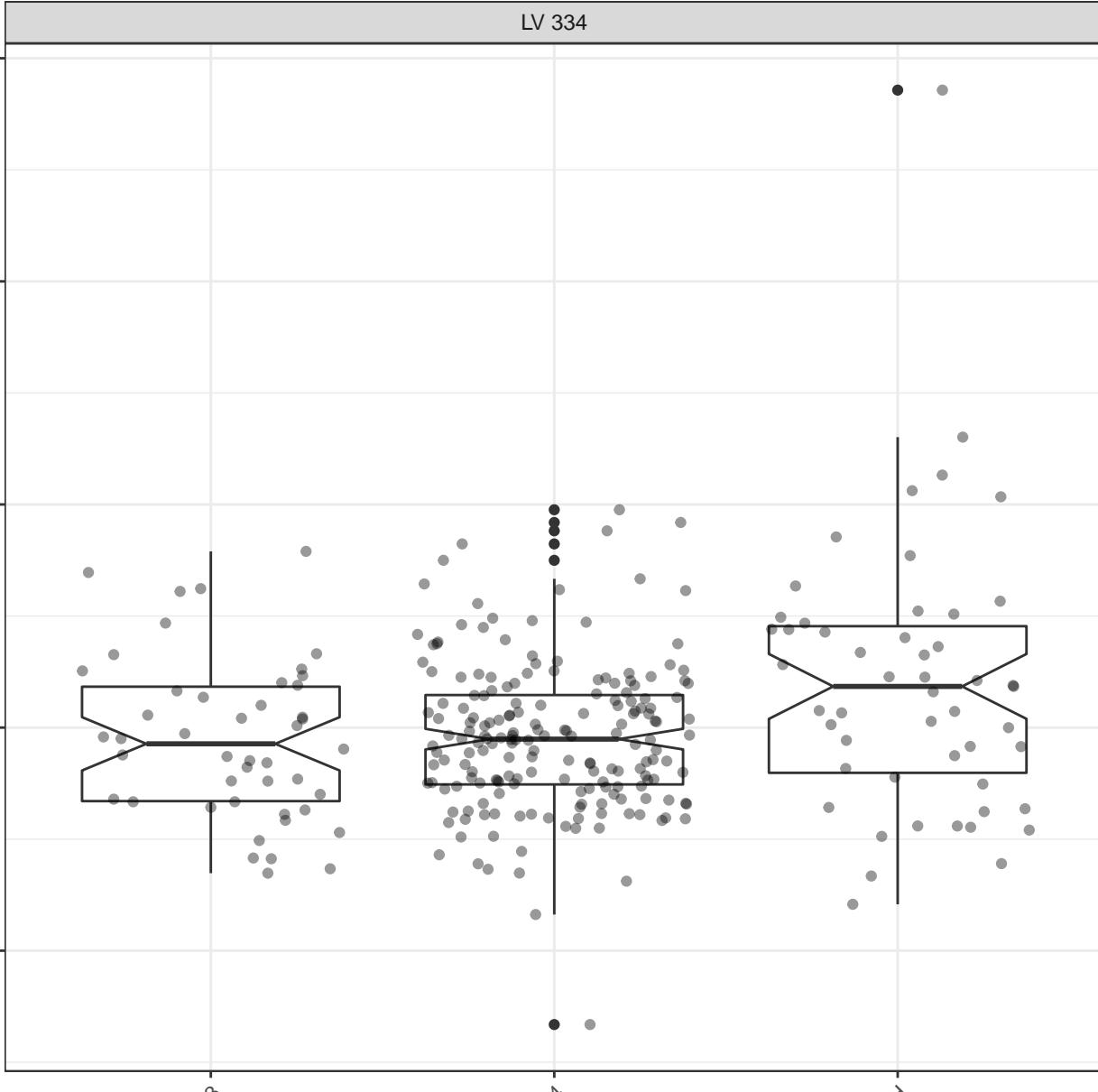
-0.1

Group 3

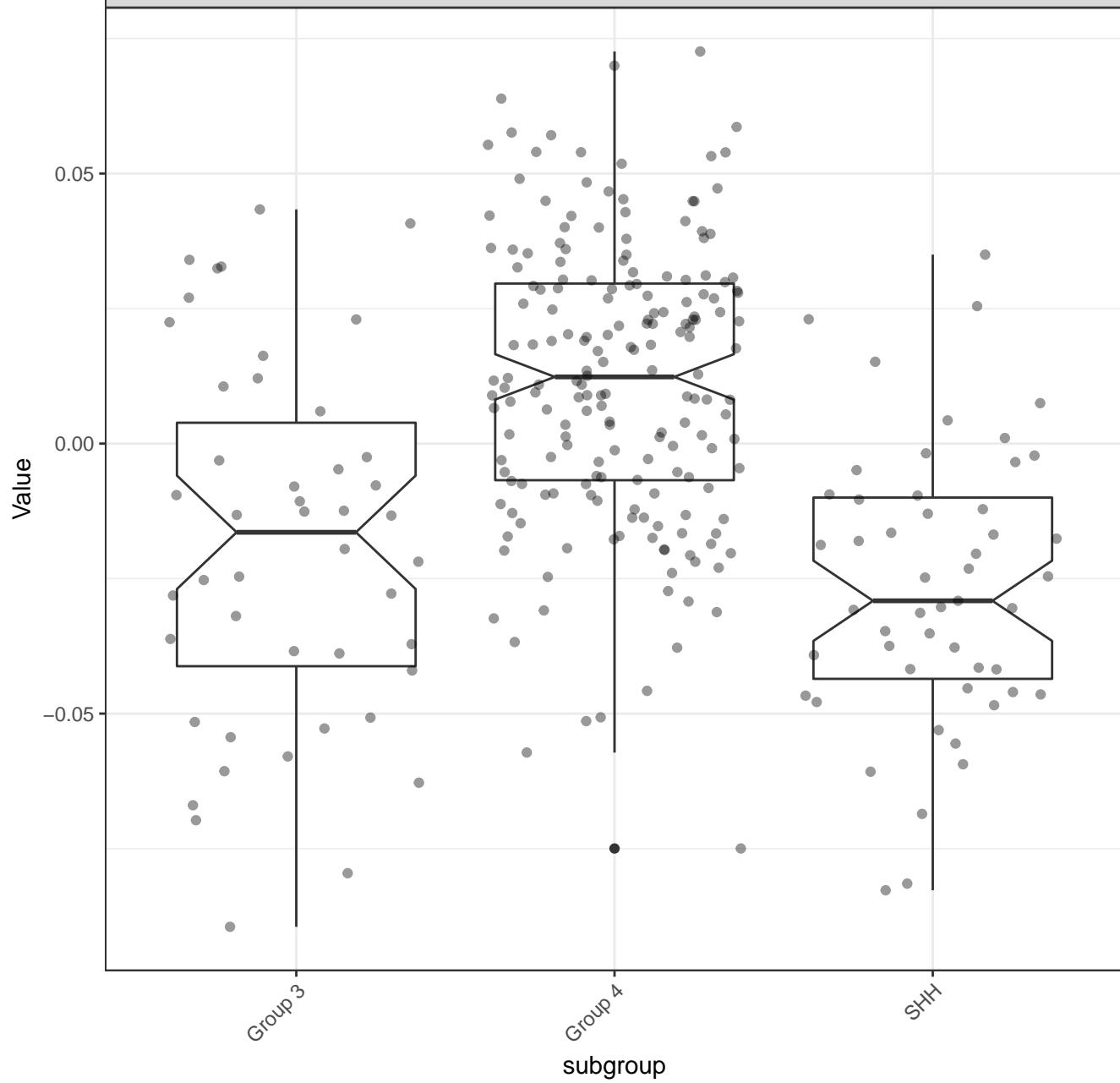
Group 4

SHH

subgroup



LV 335



LV 336

Value

0.10

0.05

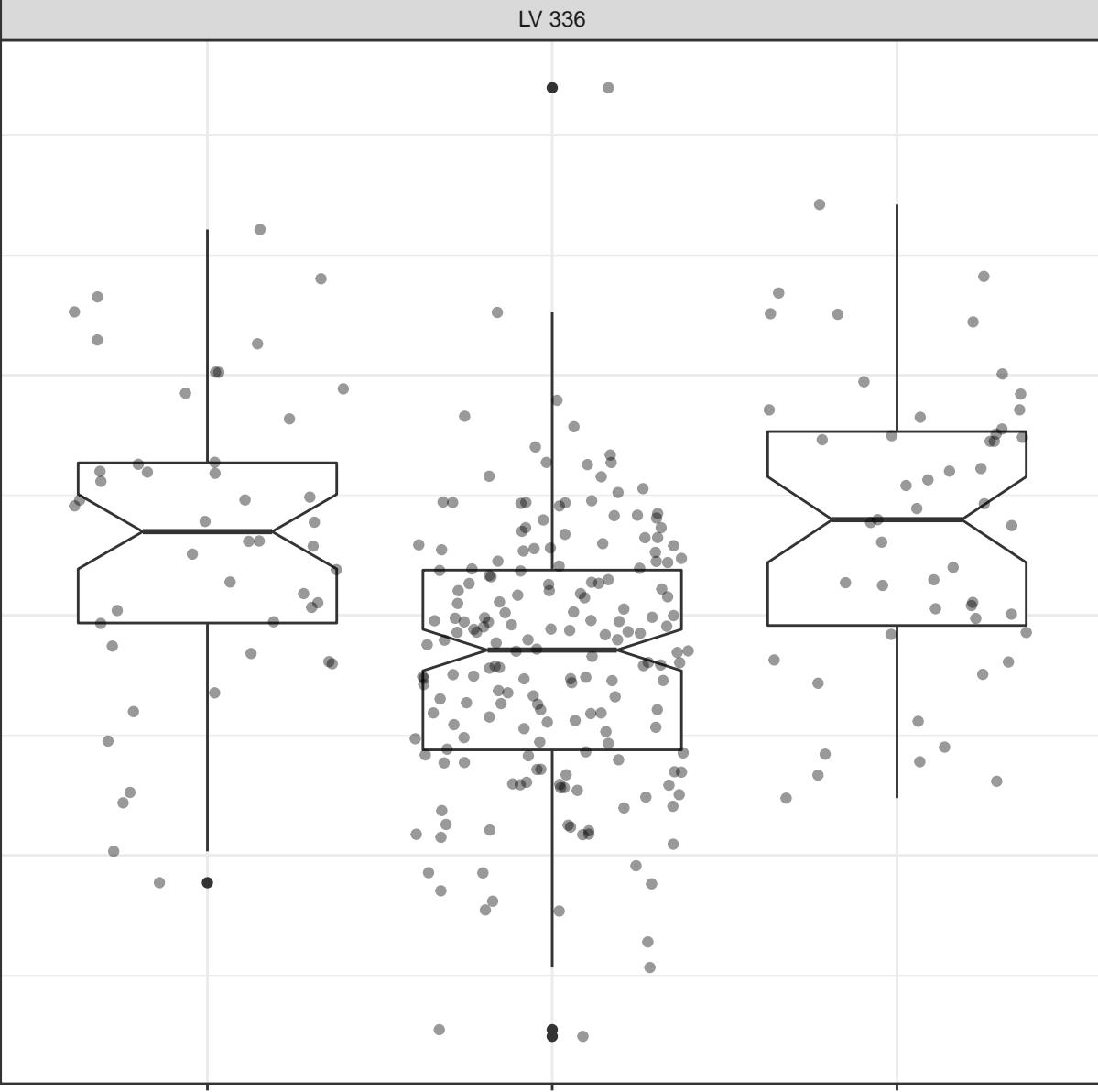
0.00

-0.05

Group 3

subgroup

SHH



Value

0.05

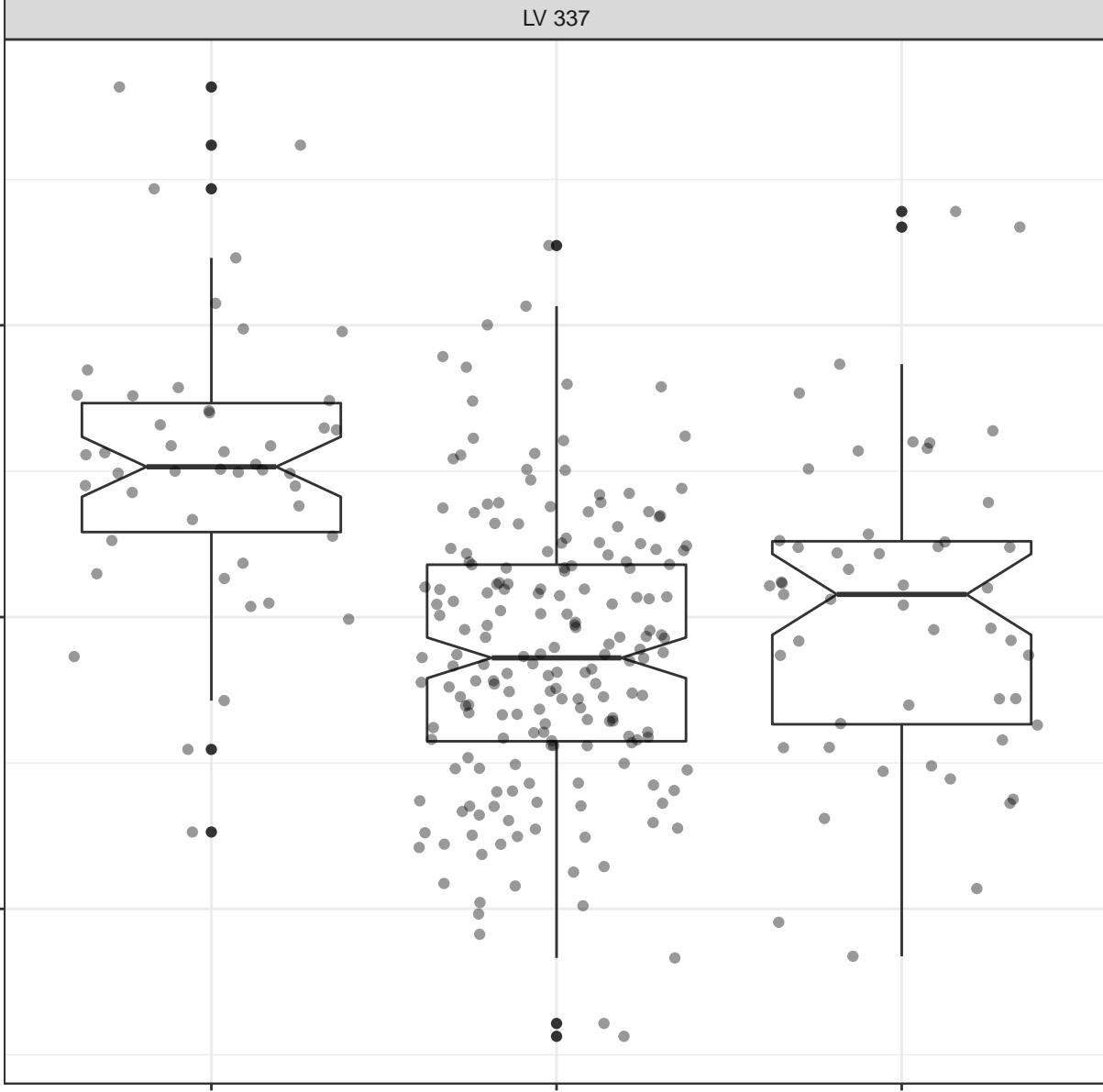
0.00

-0.05

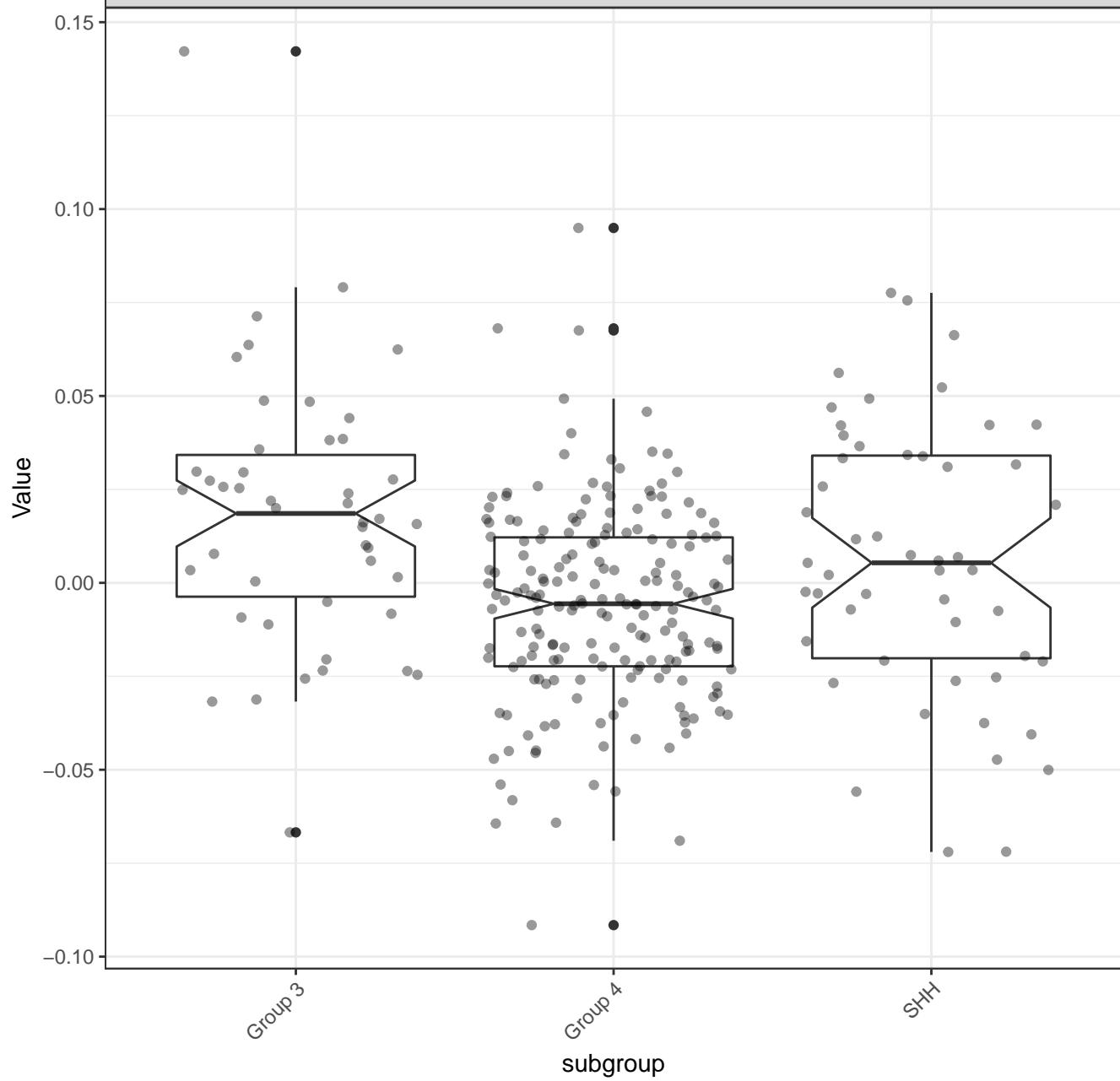
Group 3

subgroup

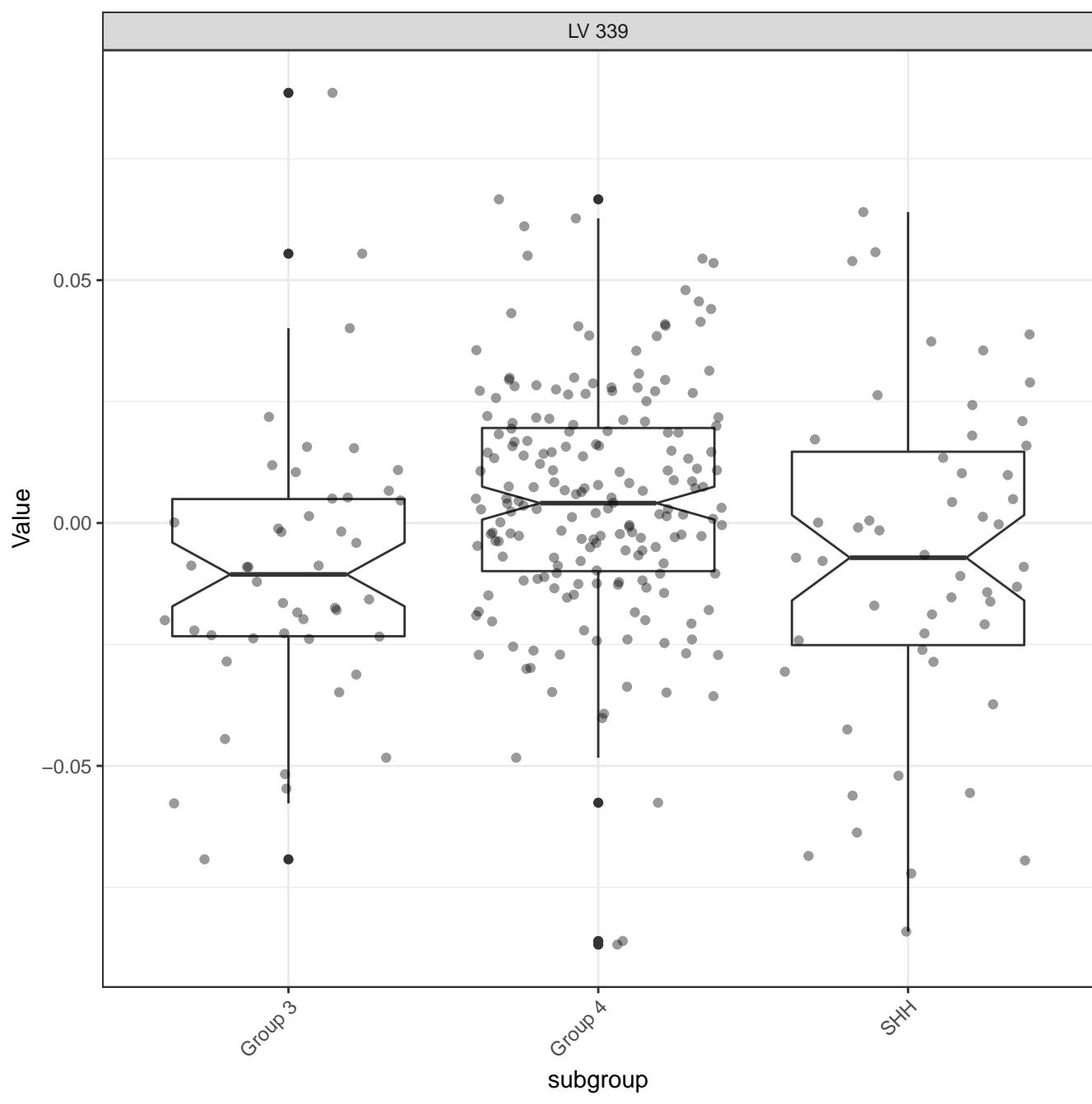
SHH



LV 338



LV 339



Value

0.10

0.05

0.00

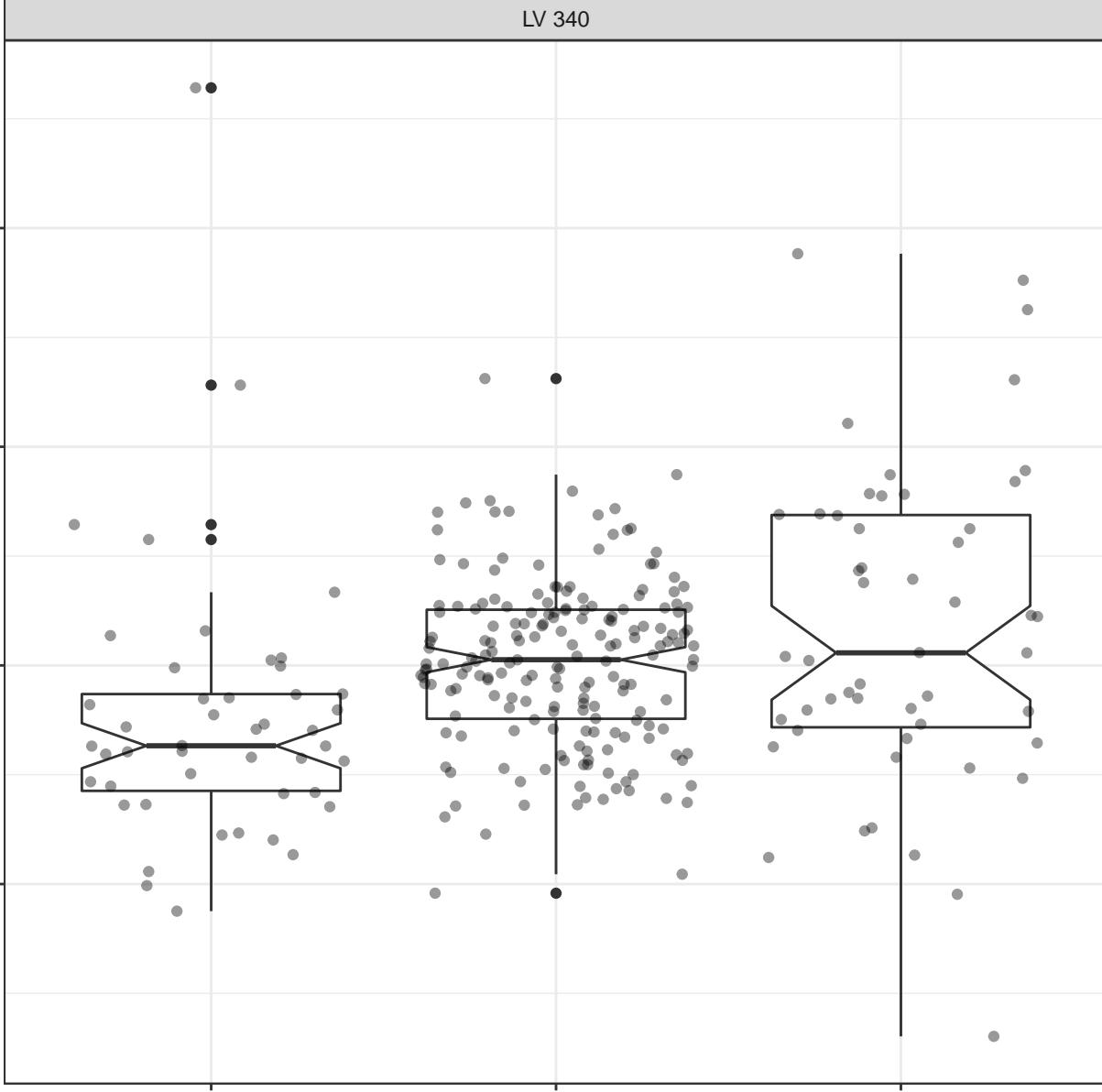
-0.05

Group 3

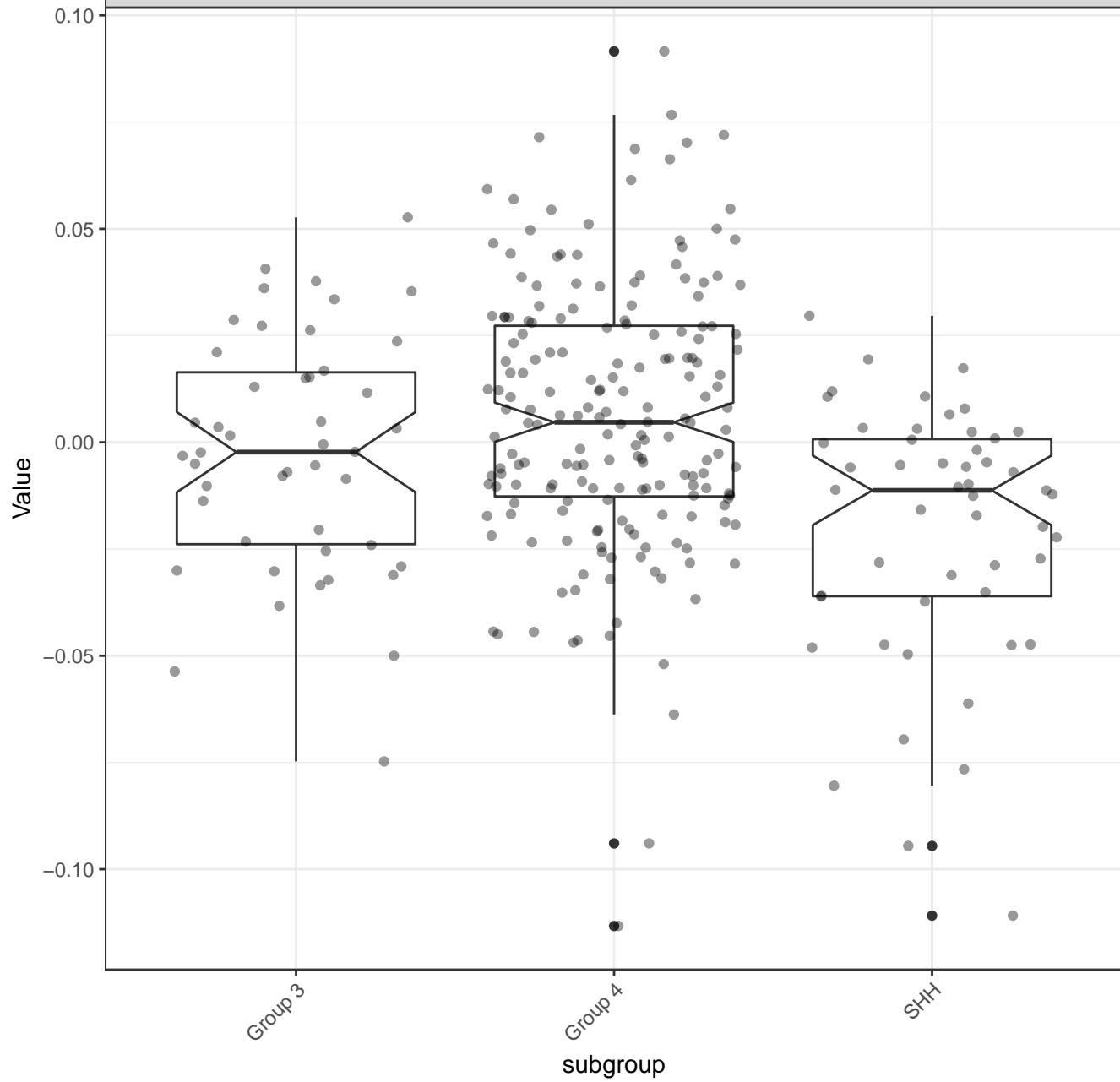
Group 4

SHH

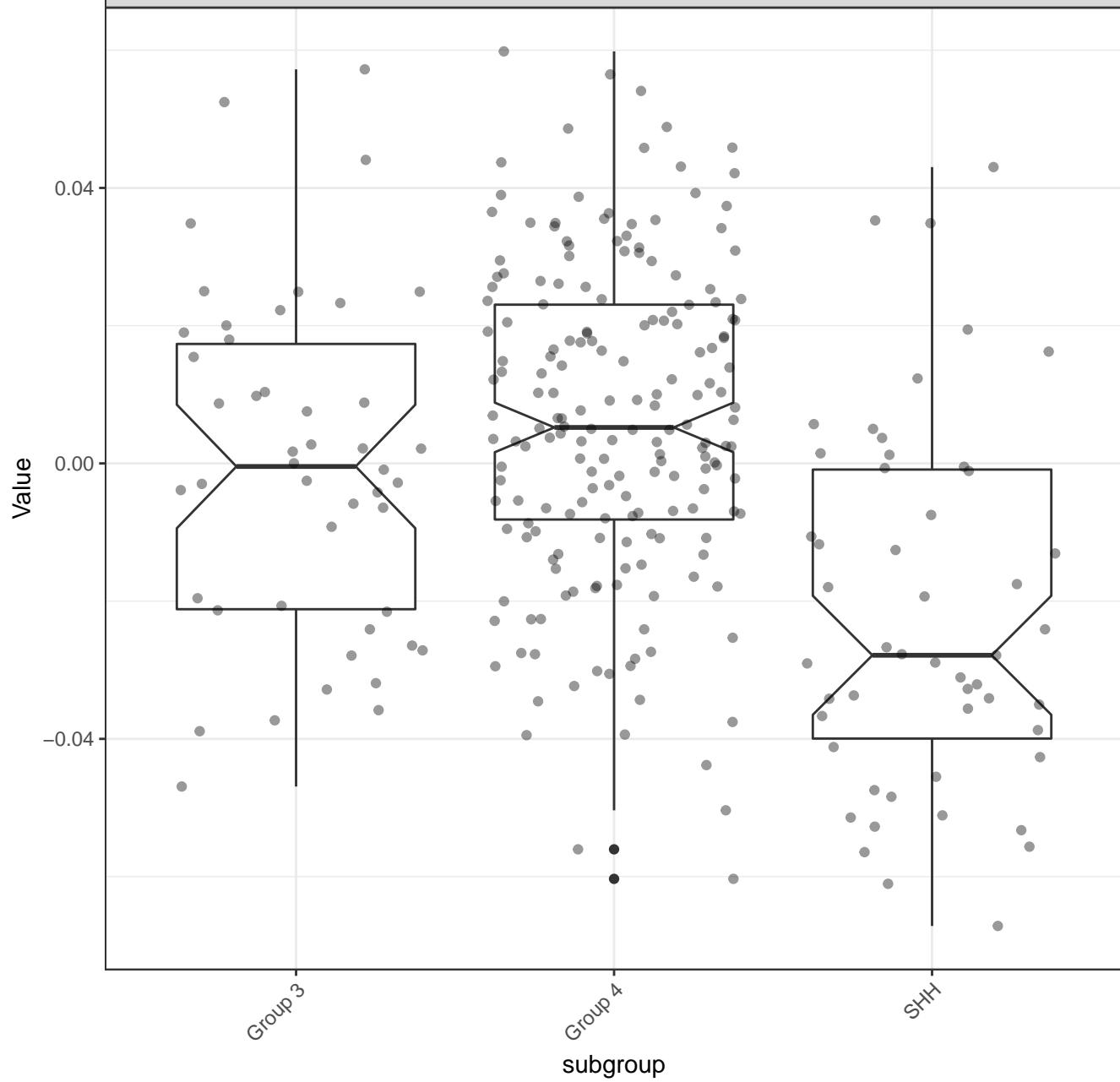
subgroup



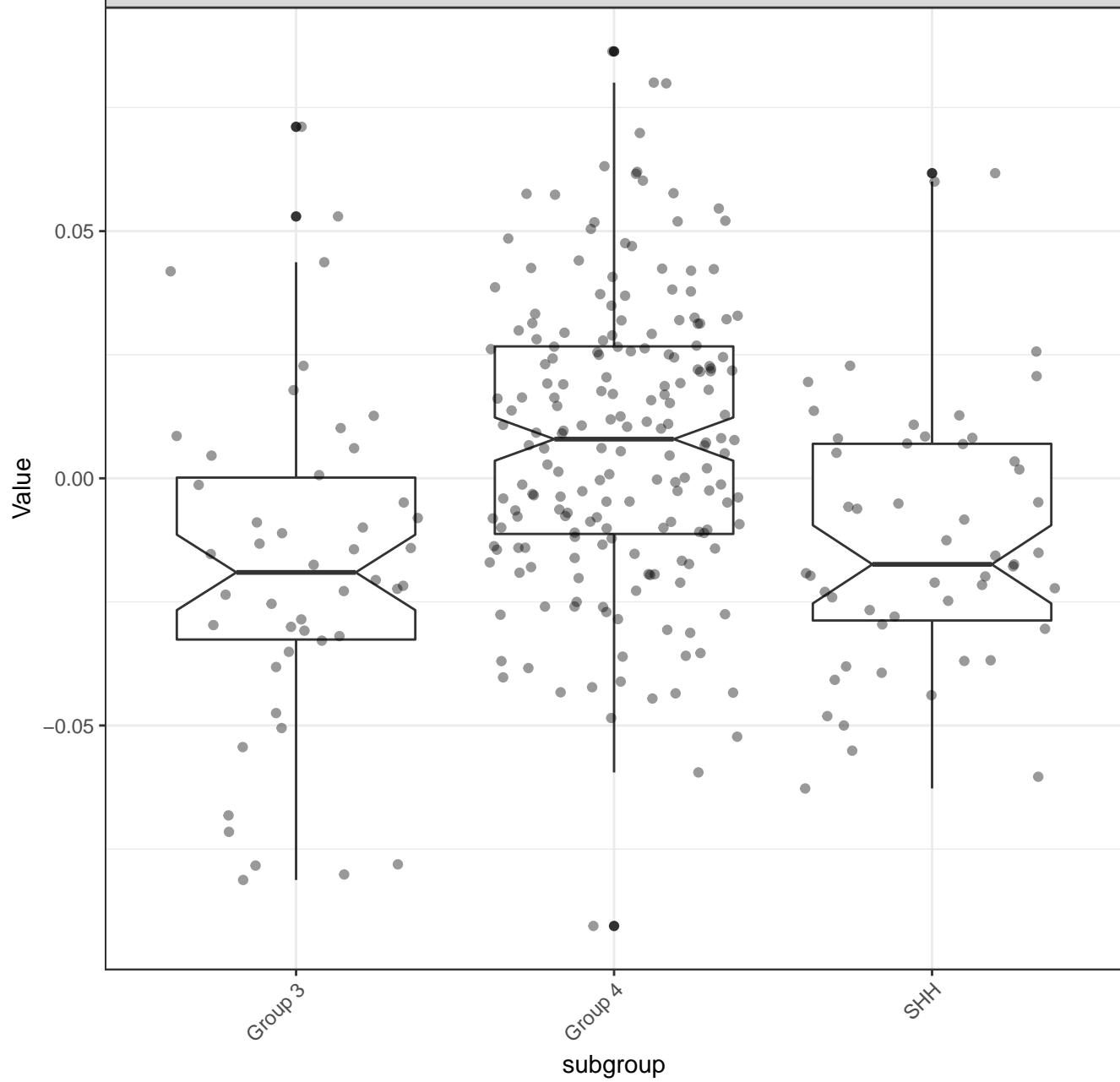
LV 341



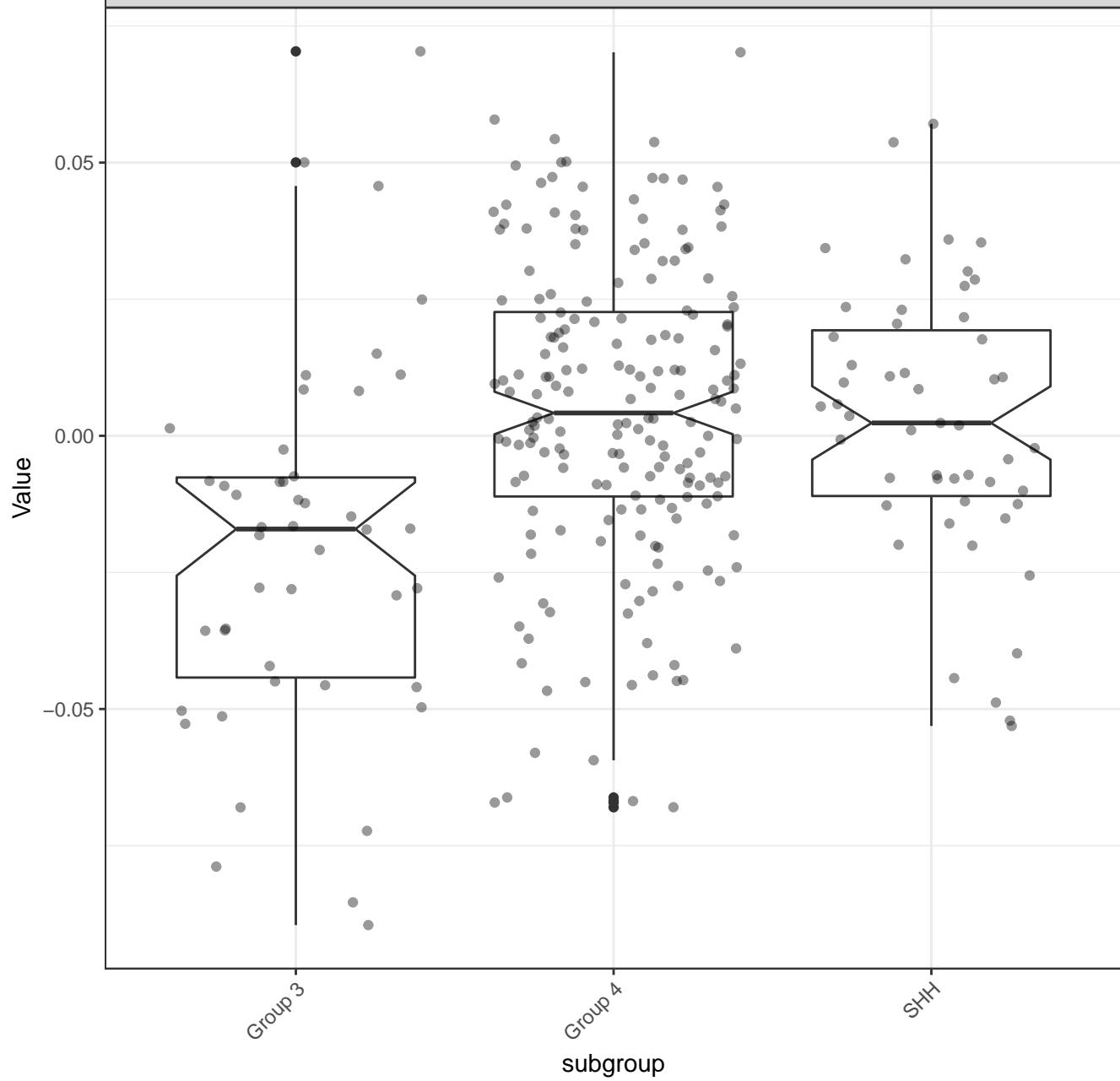
LV 342



LV 343



LV 344



LV 345

Value

0.10

0.05

0.00

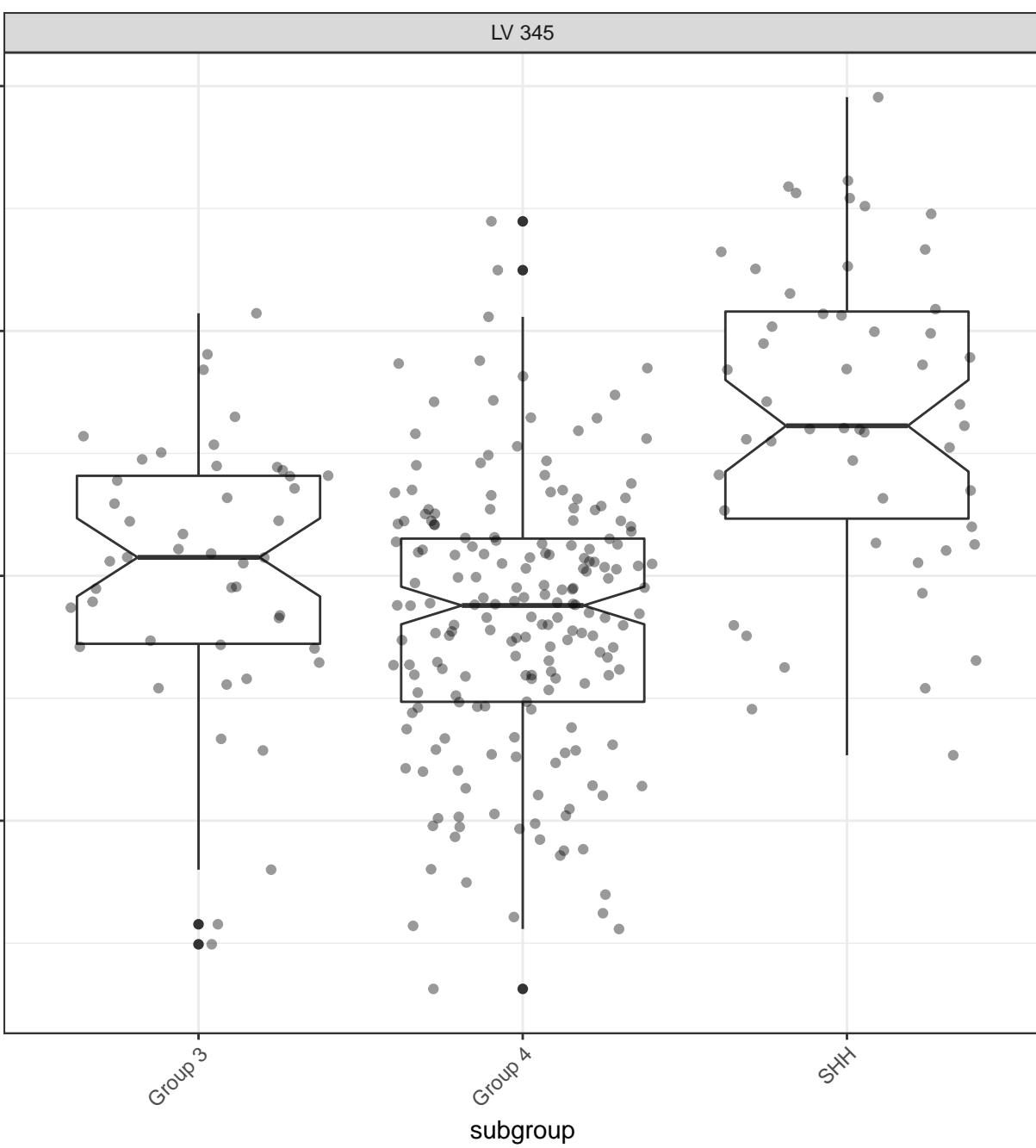
-0.05

Group 3

Group 4

SHH

subgroup



LV 346

Value

0.10

0.05

0.00

-0.05

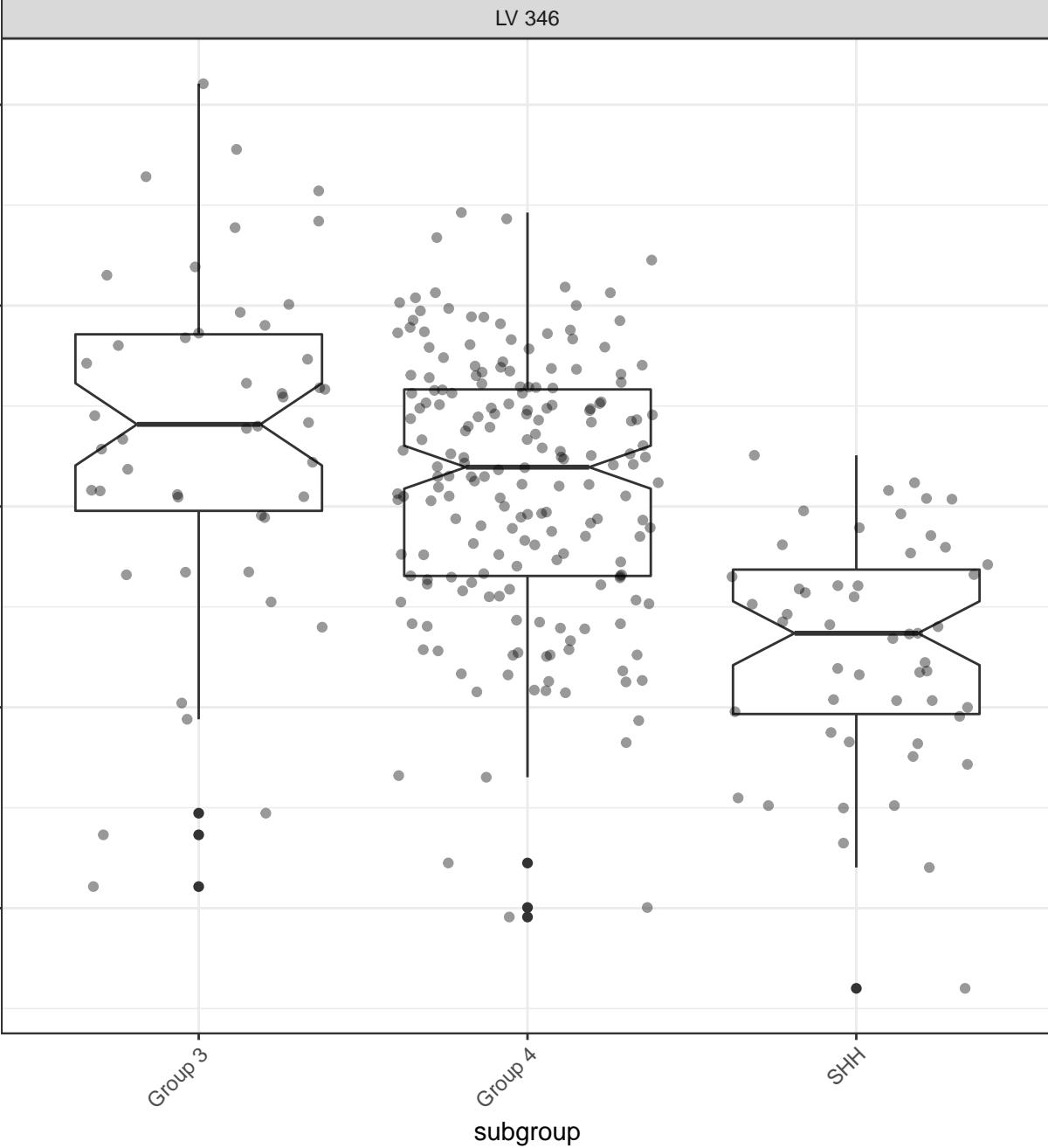
-0.10

Group 3

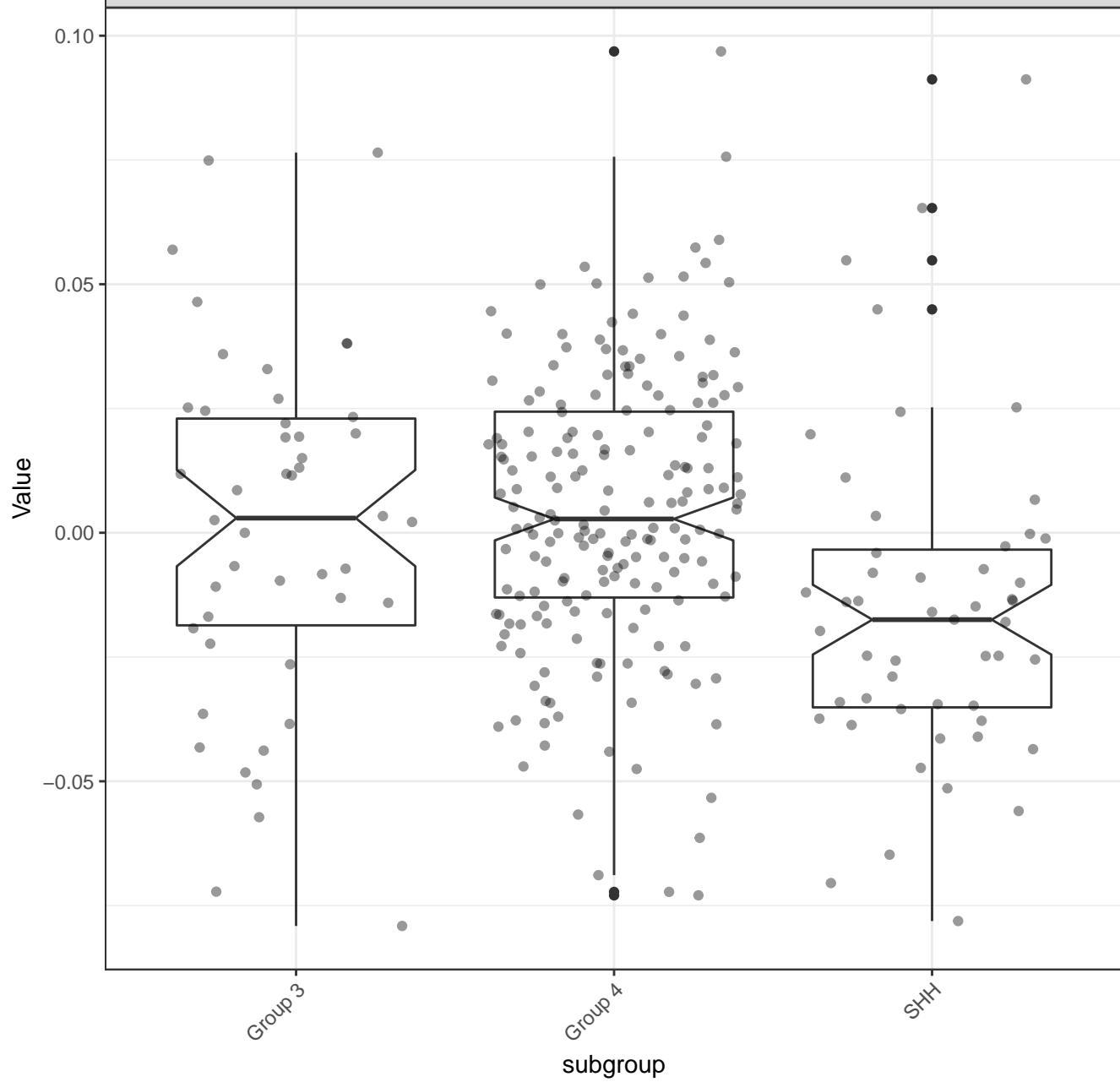
Group 4

SHH

subgroup



LV 347



LV 348

Value

0.10

0.05

0.00

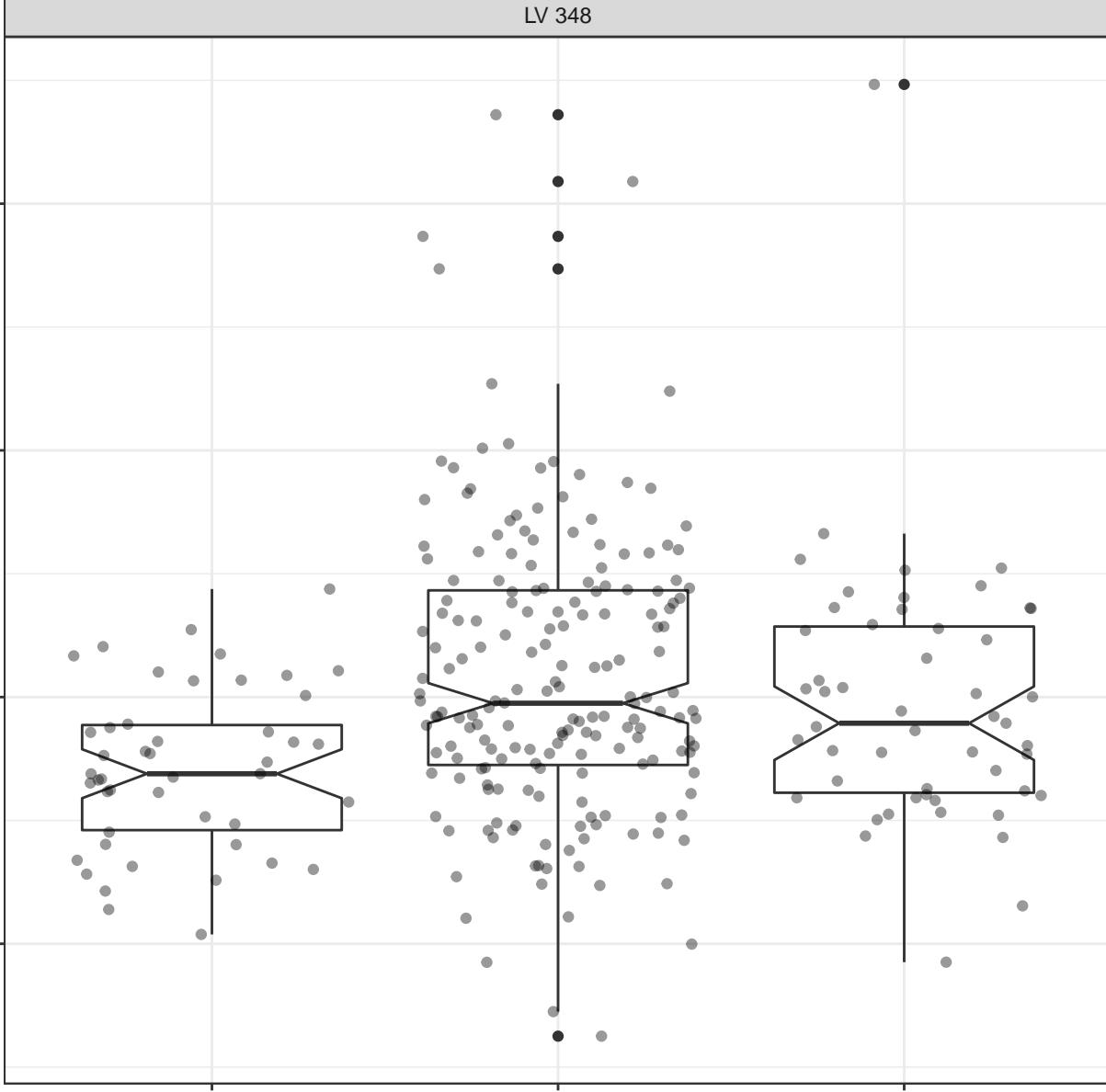
-0.05

Group 3

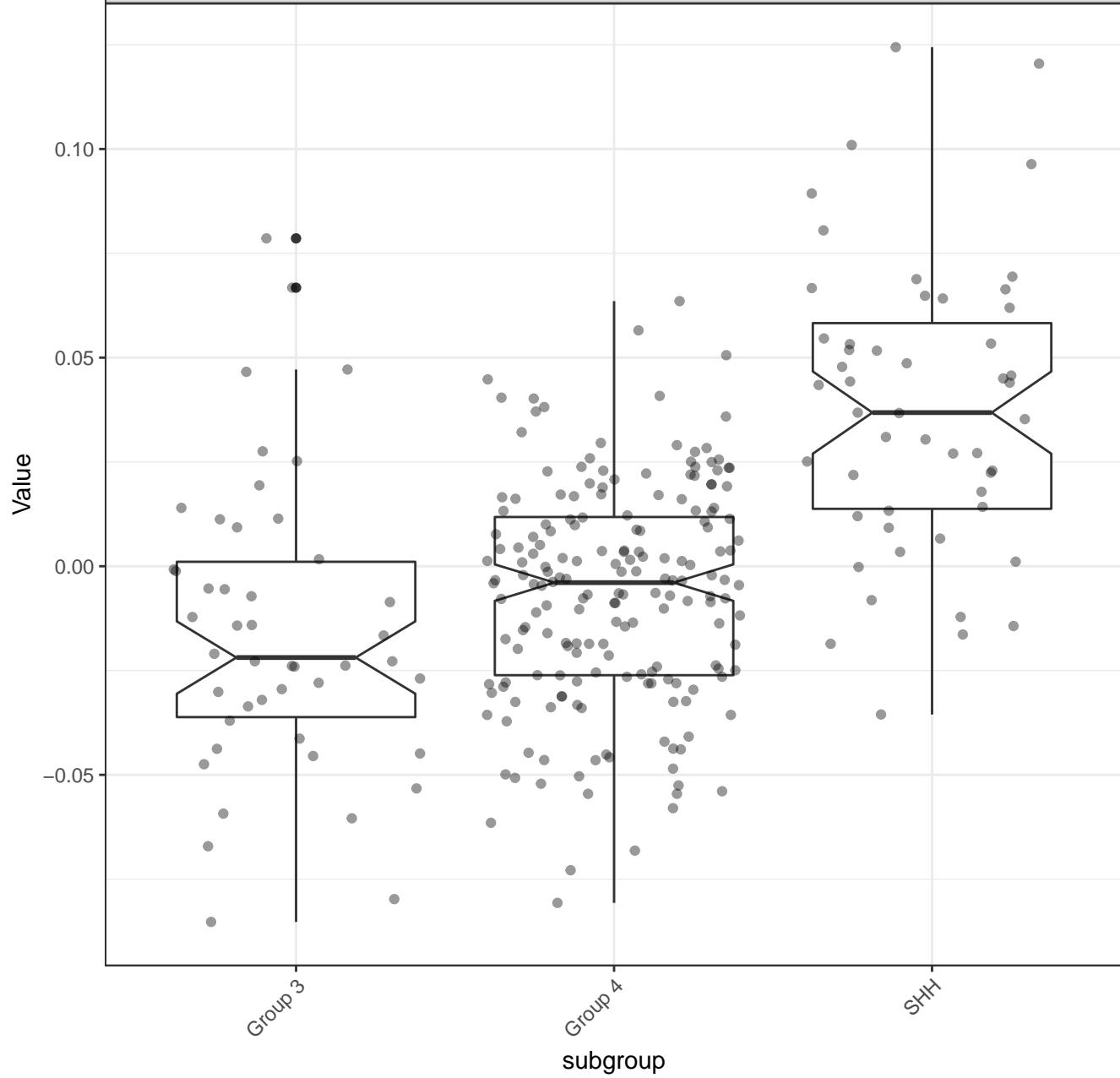
subgroup

Group 4

SHH



LV 349



LV 350

Value

0.05

0.00

-0.05

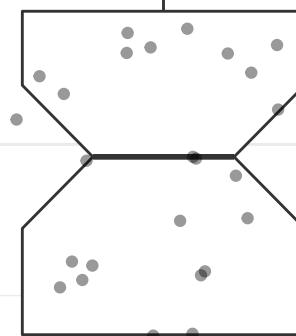
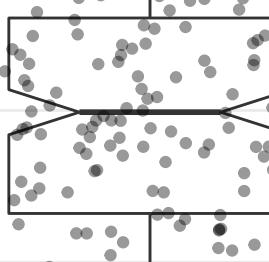
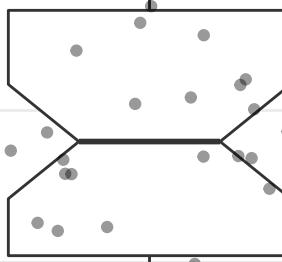
-0.10

Group 3

Group 4

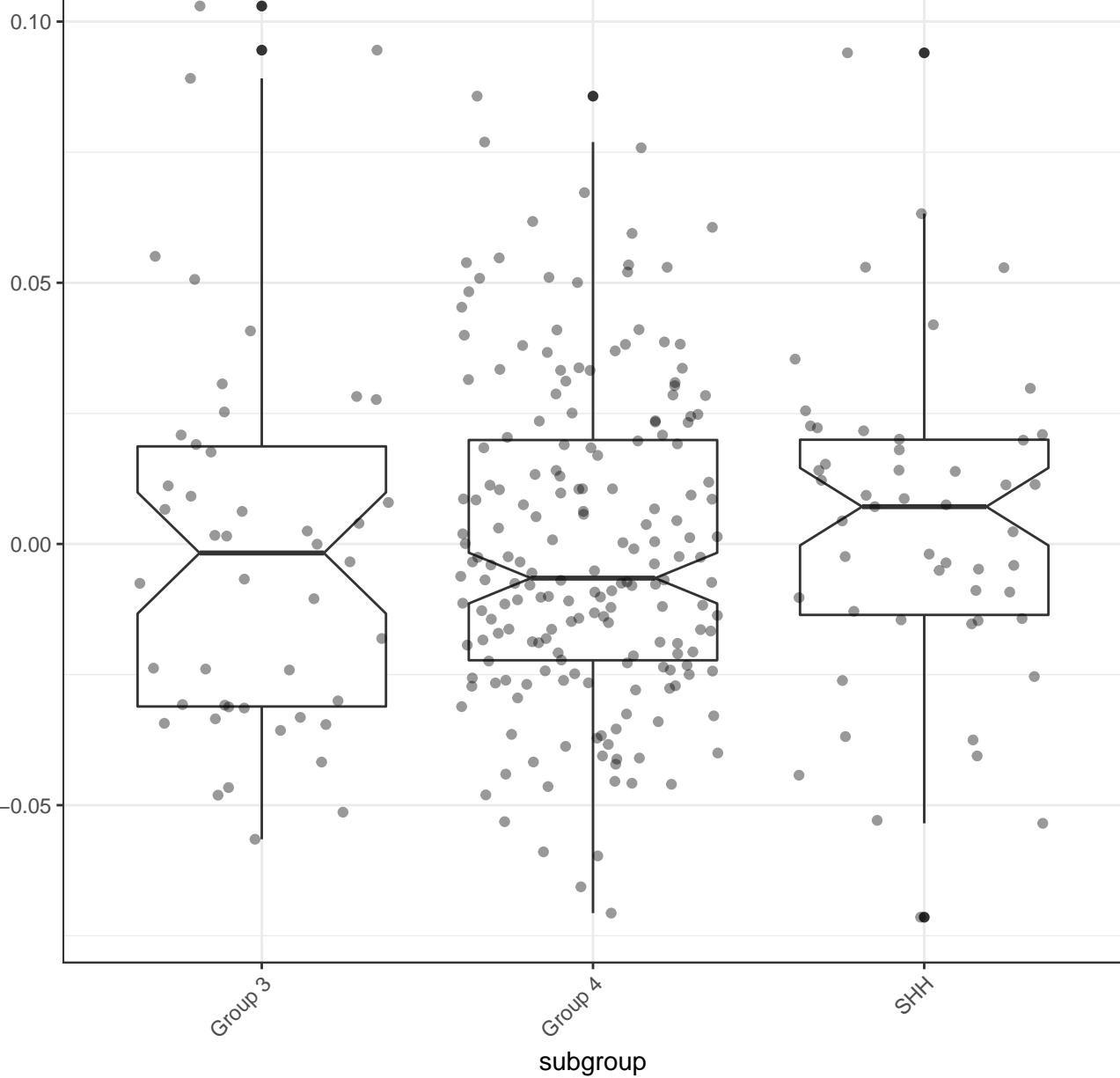
SHH

subgroup



LV 351

Value



Value

0.05

0.00

-0.05

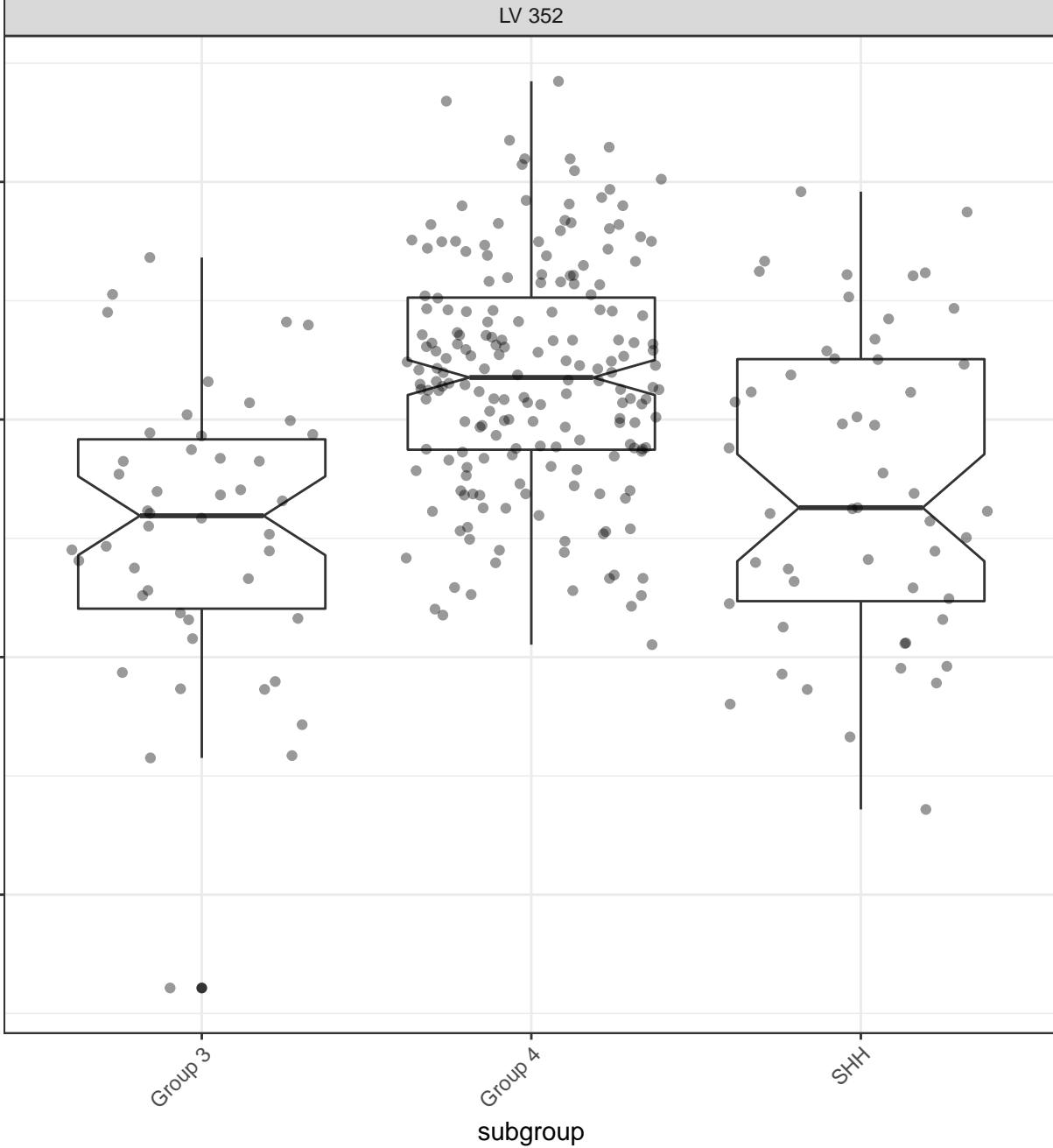
-0.10

Group 3

Group 4

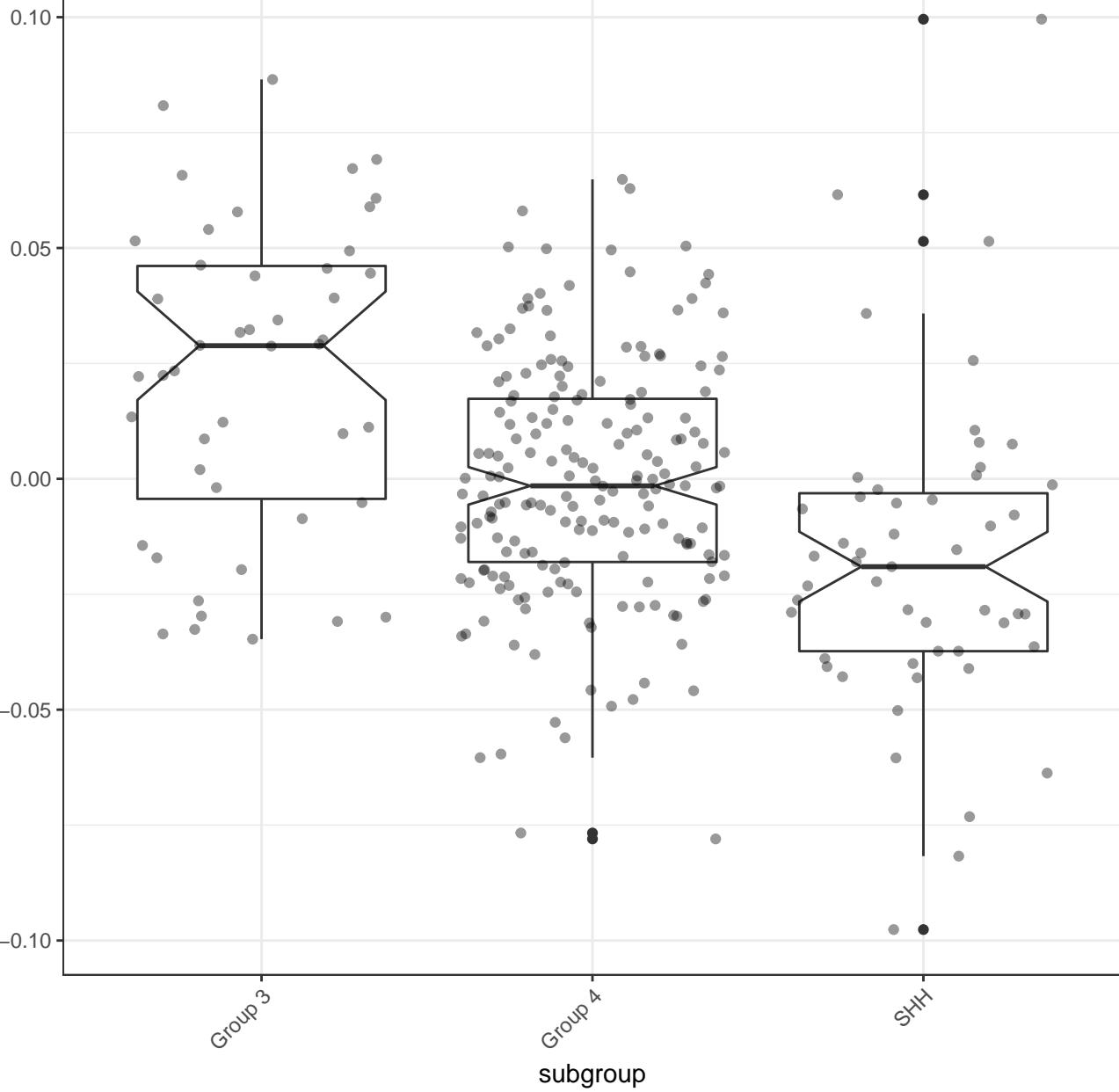
SHH

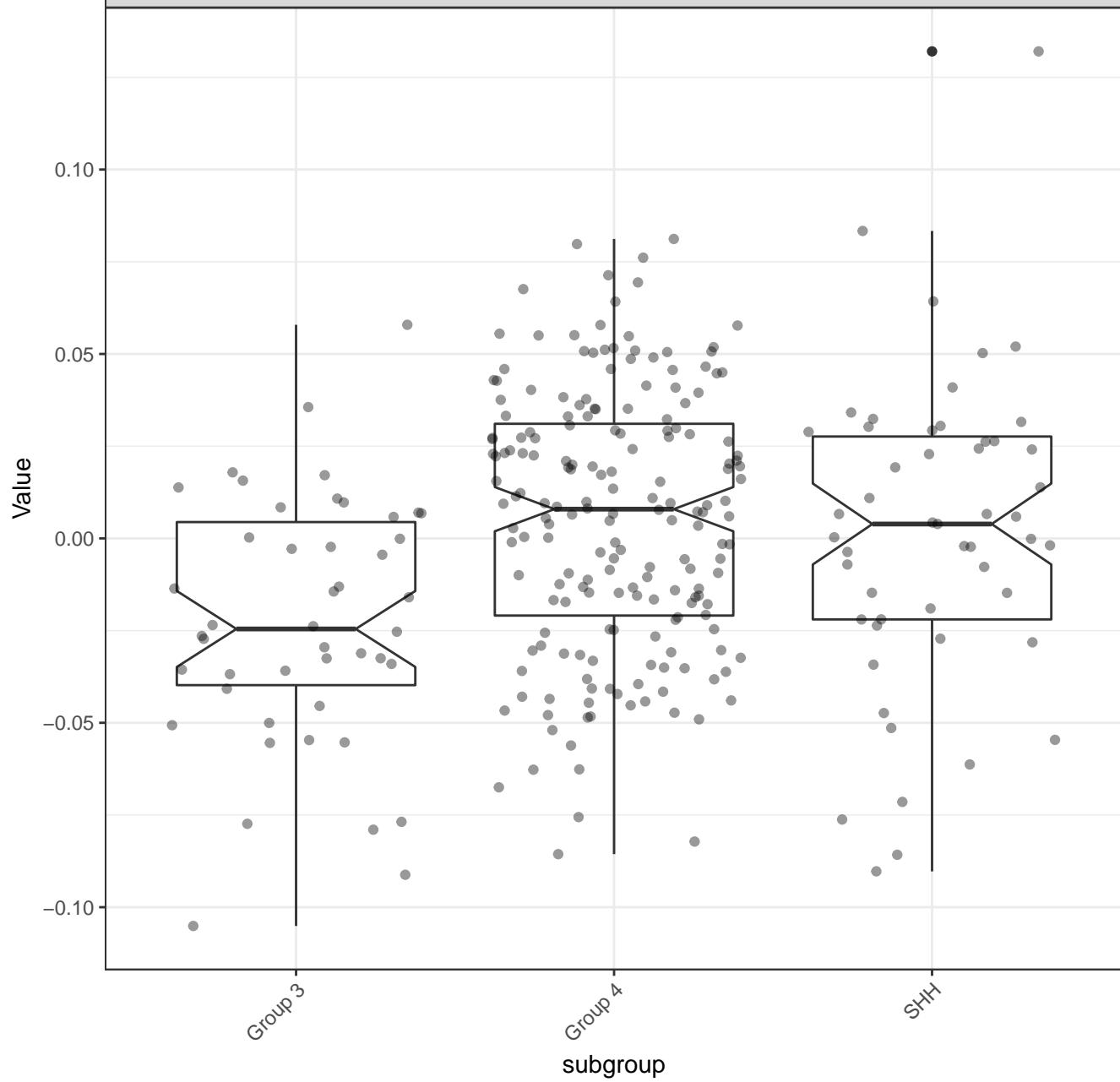
subgroup



LV 353

Value





LV 355

Value

0.10

0.05

0.00

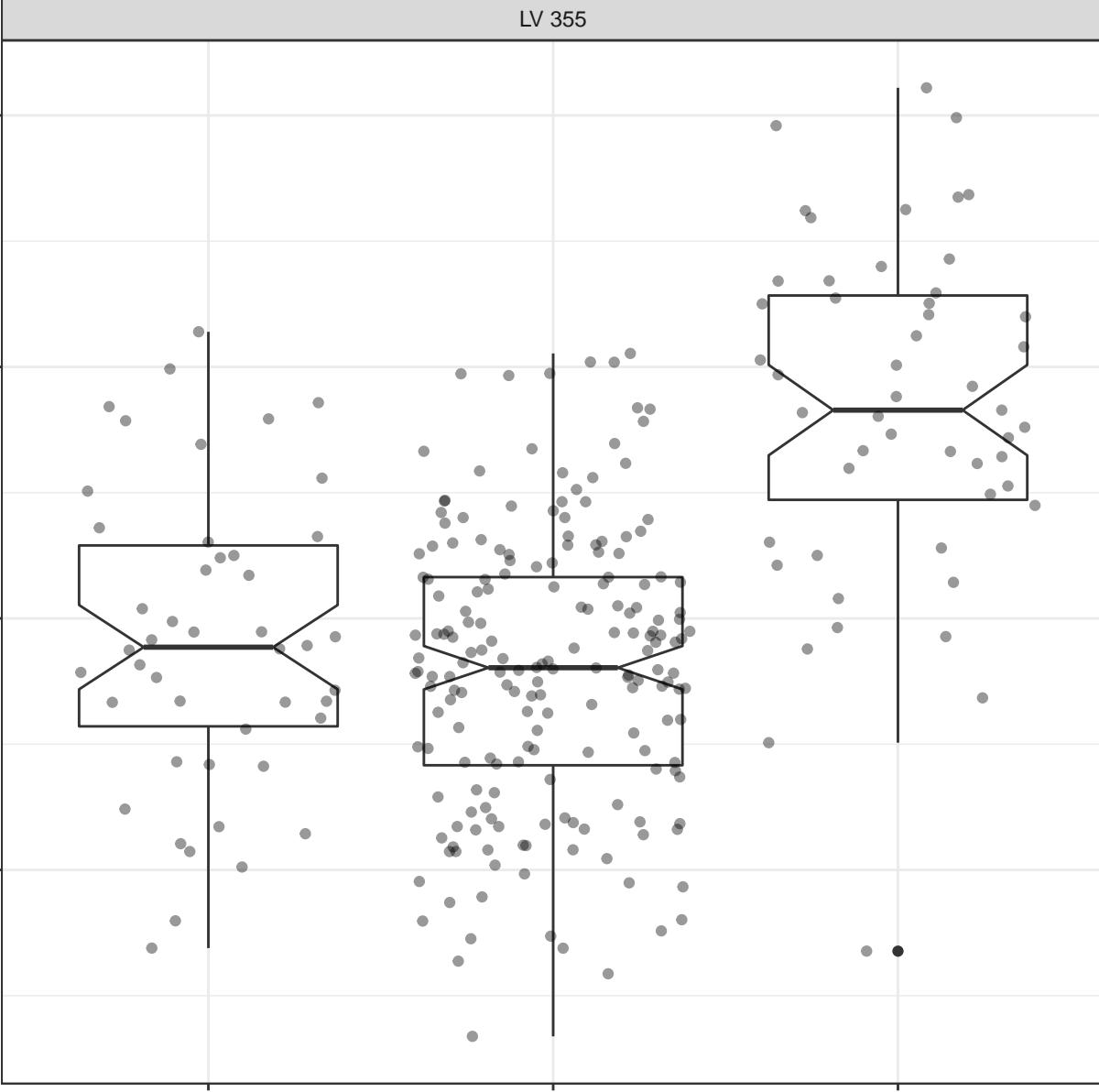
-0.05

Group 3

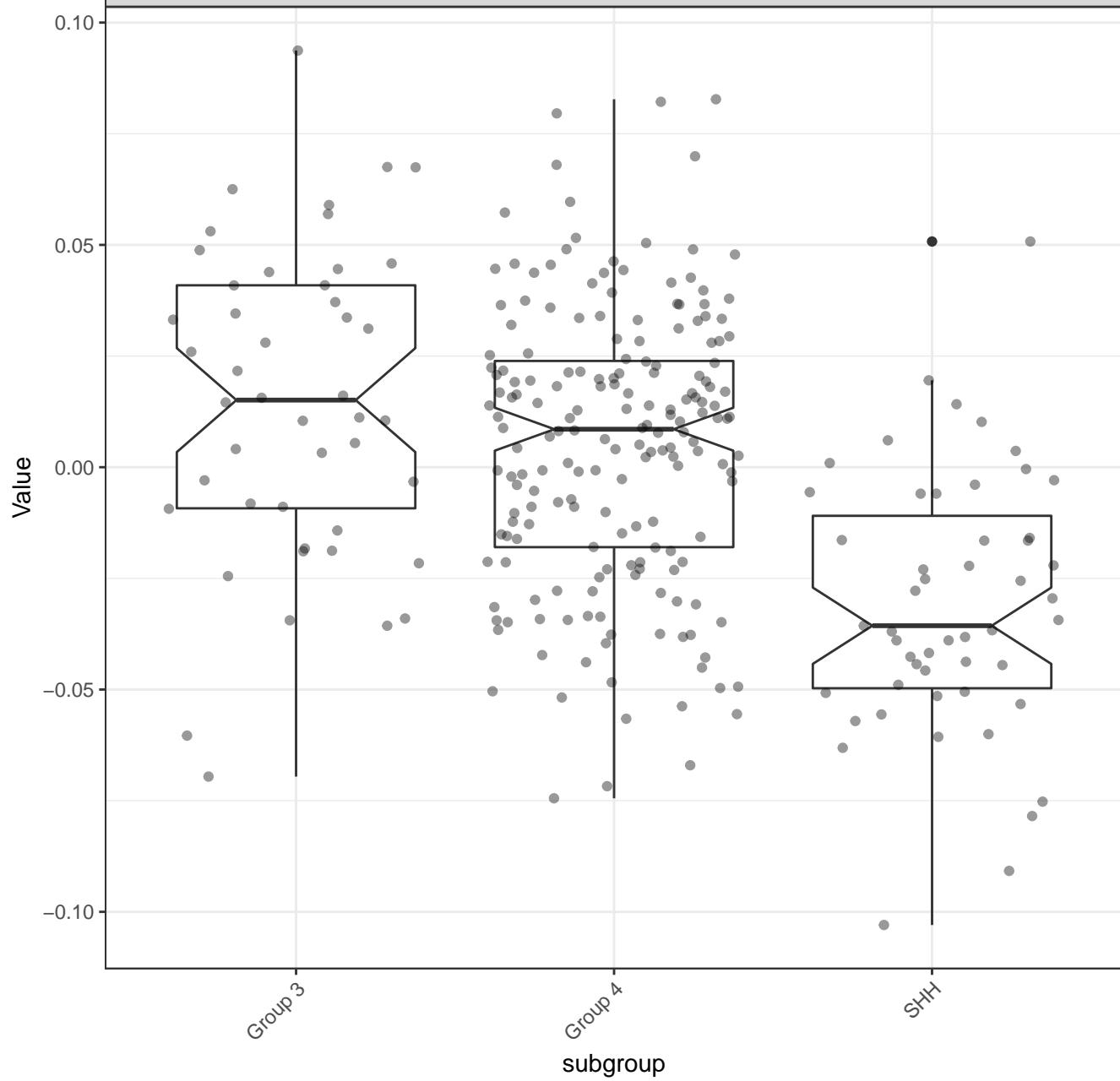
Group 4

SHH

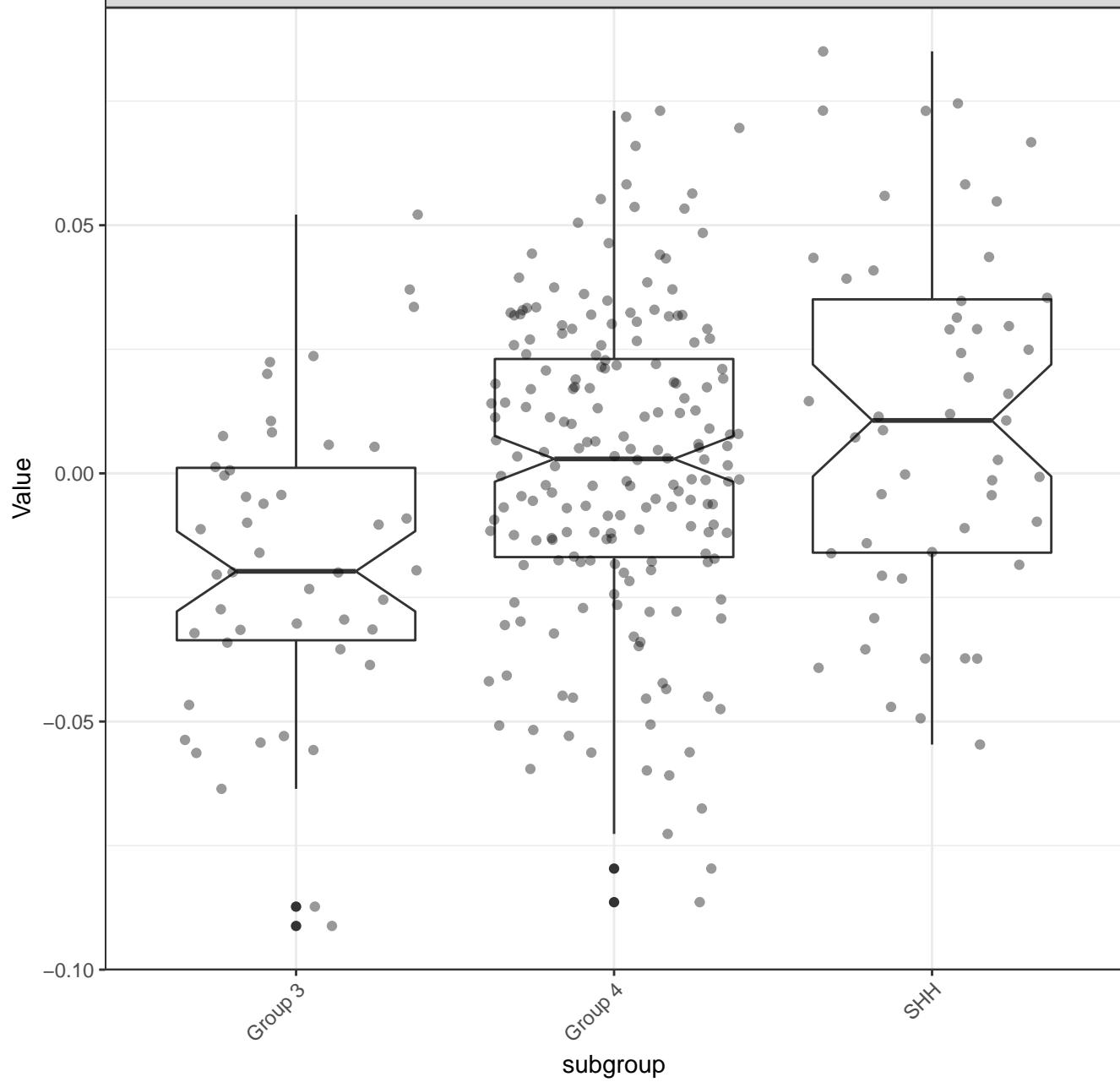
subgroup



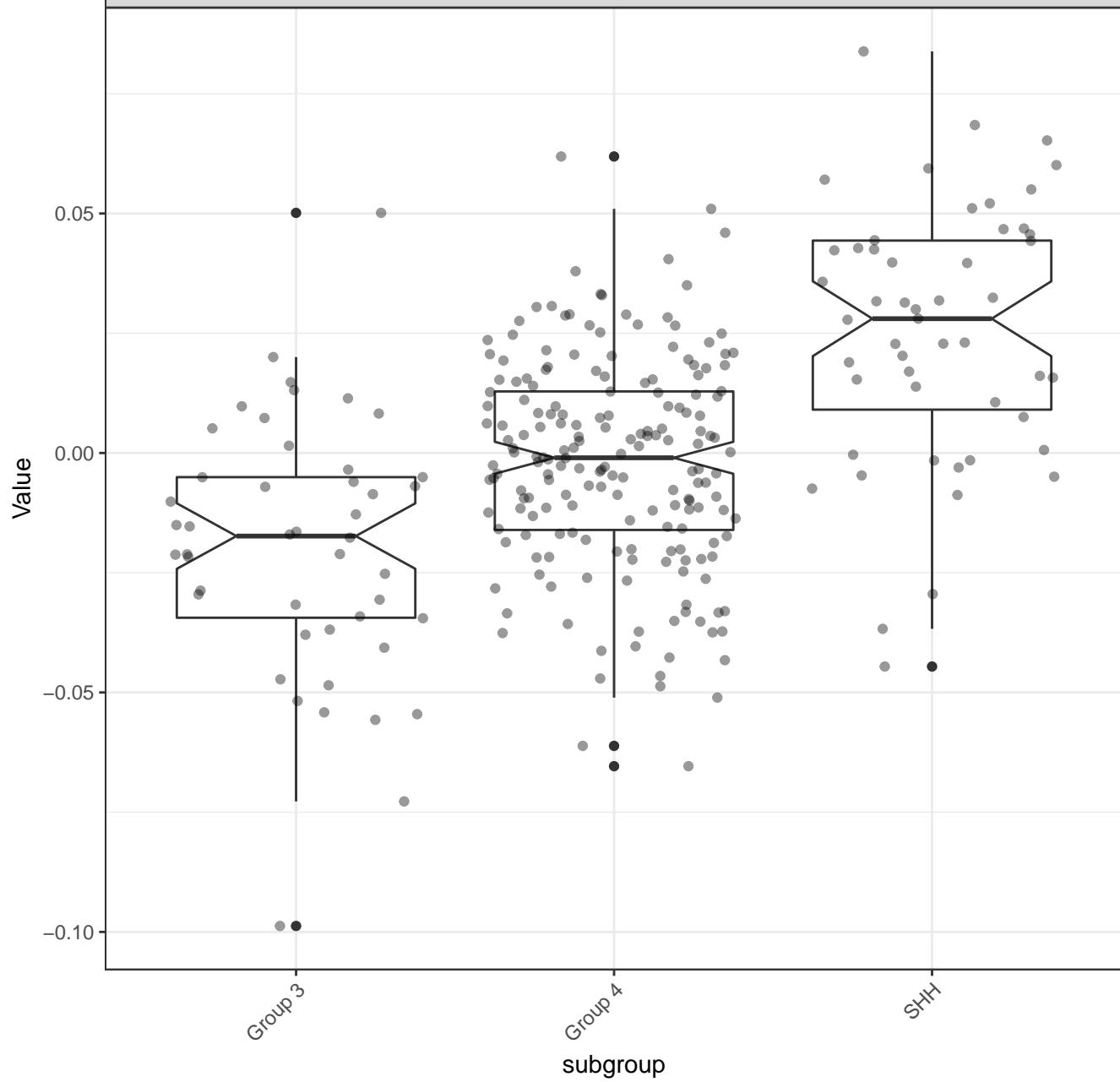
356,REACTOME_TRANSCRIPATIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER



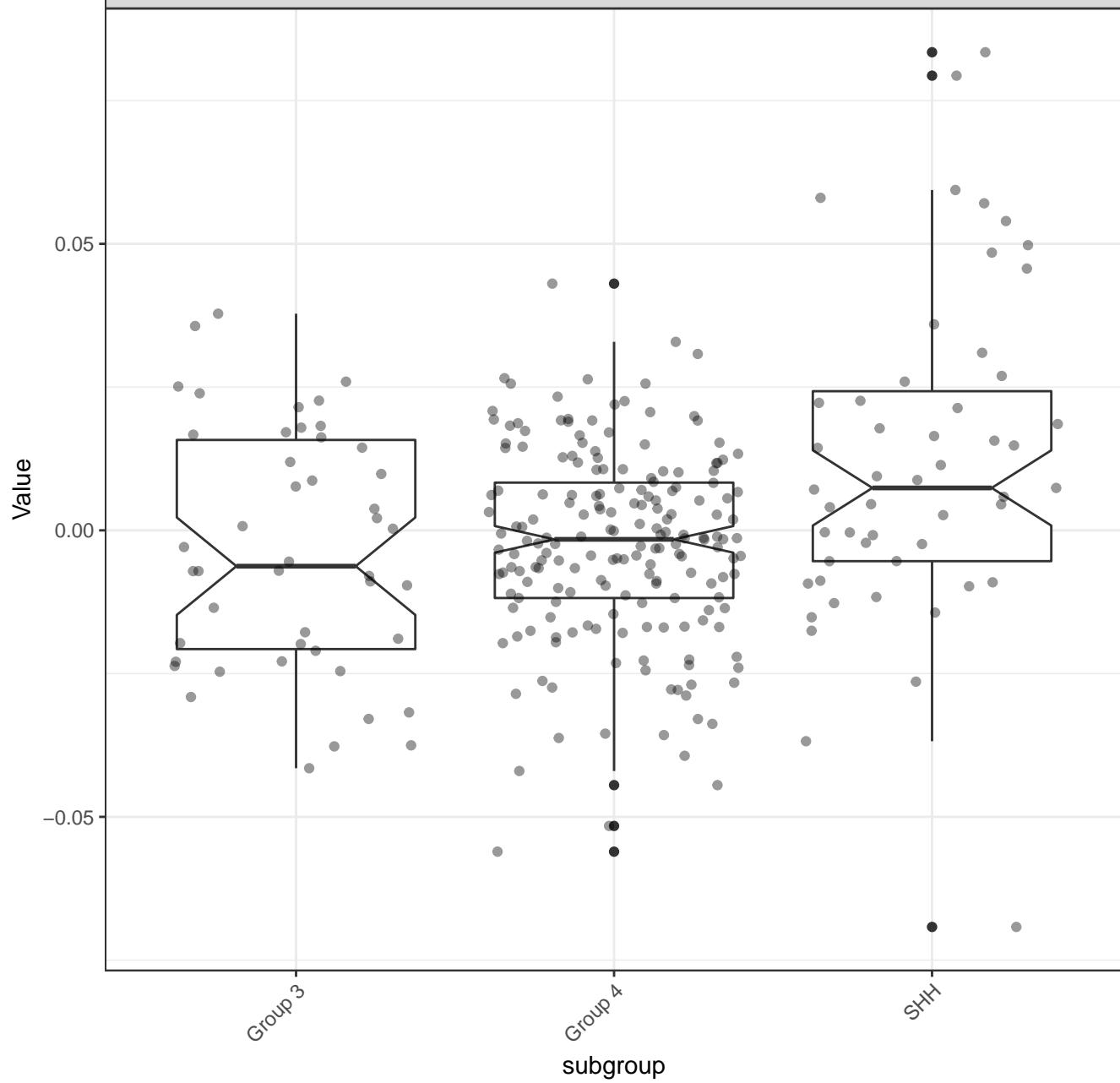
LV 357



LV 358



LV 359



Value

0.10

0.05

0.00

-0.05

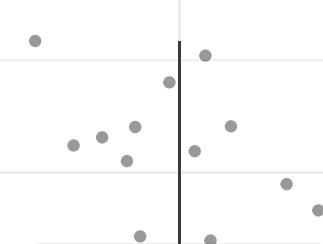
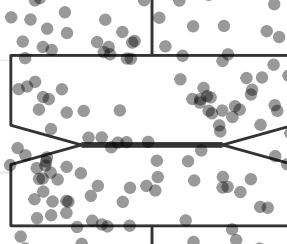
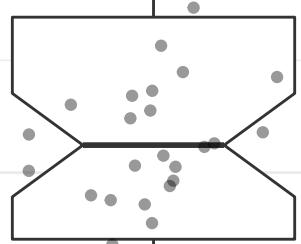
-0.10

Group 3

Group 4

SHH

subgroup



LV 361

Value

0.2

0.1

0.0

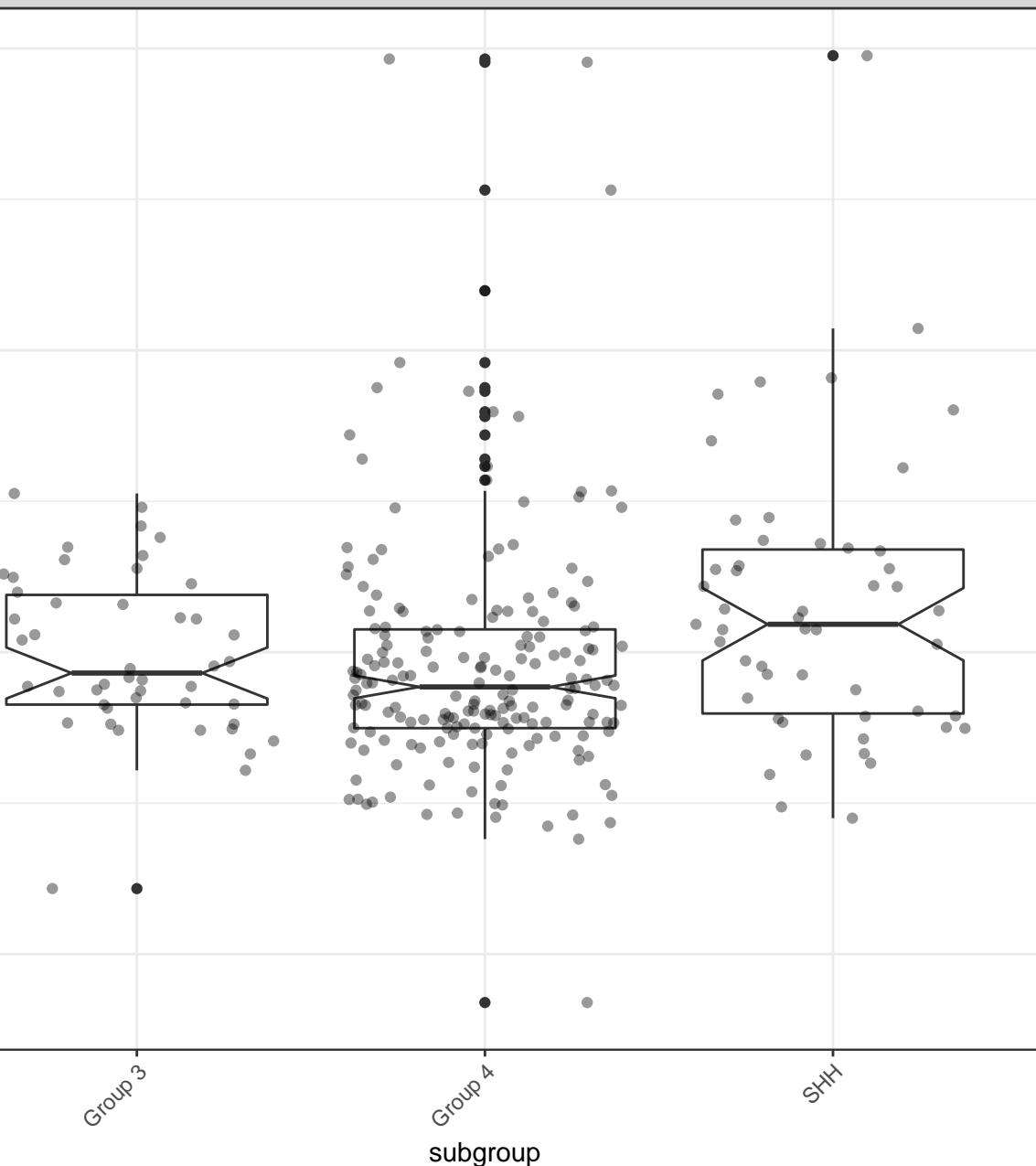
-0.1

Group 3

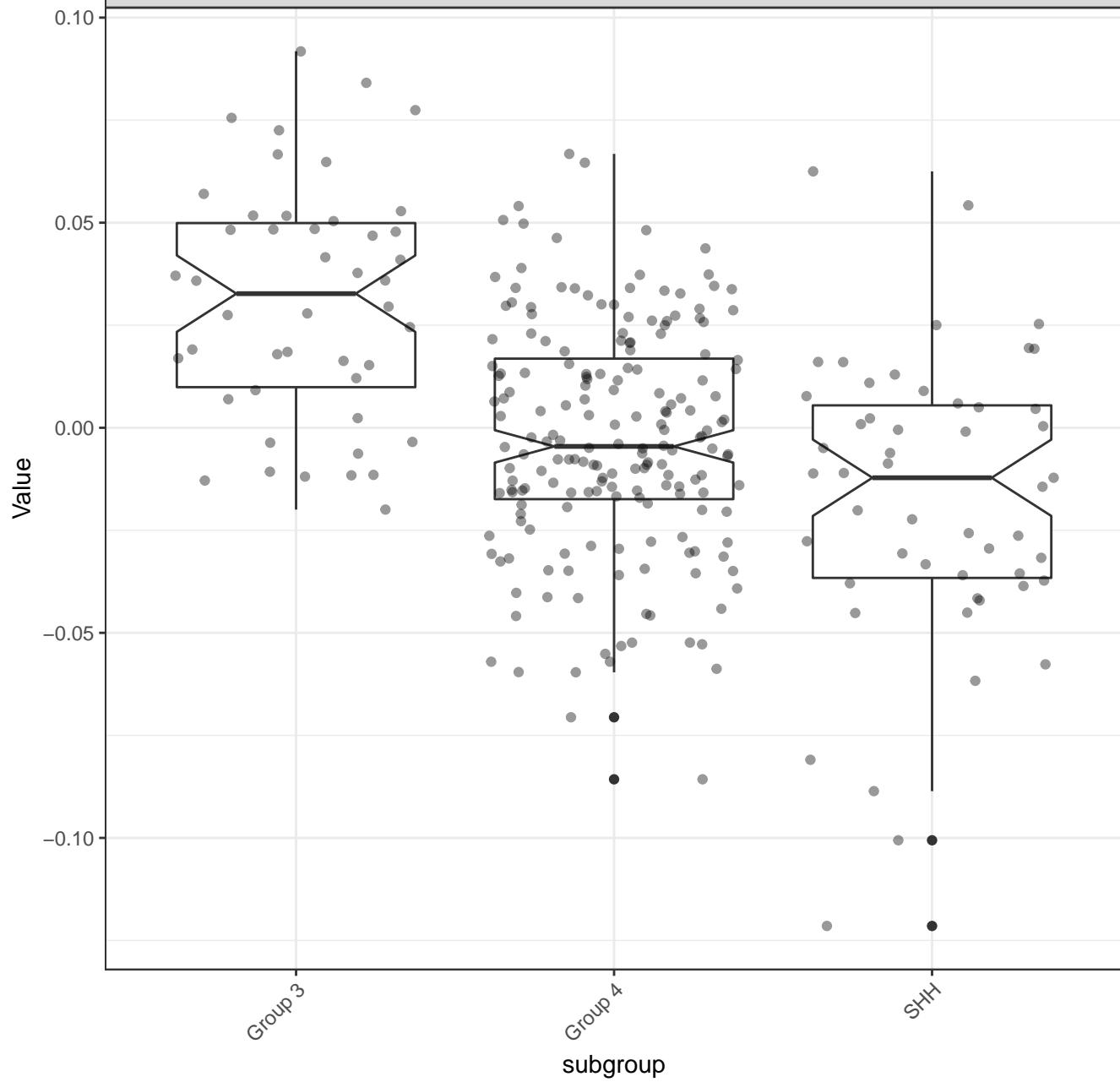
Group 4

SHH

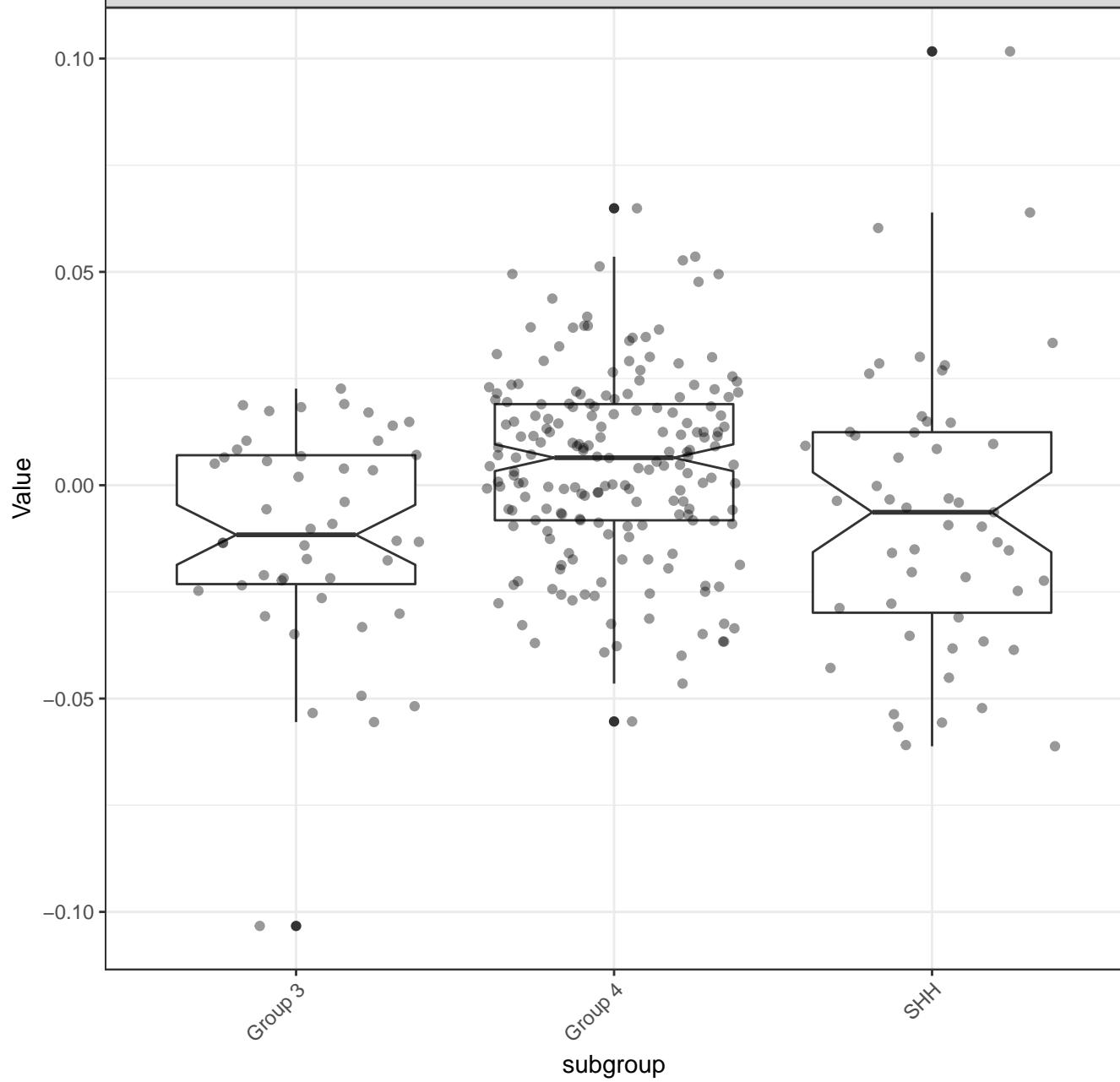
subgroup



LV 362



LV 363



LV 364

Value

0.10

0.05

0.00

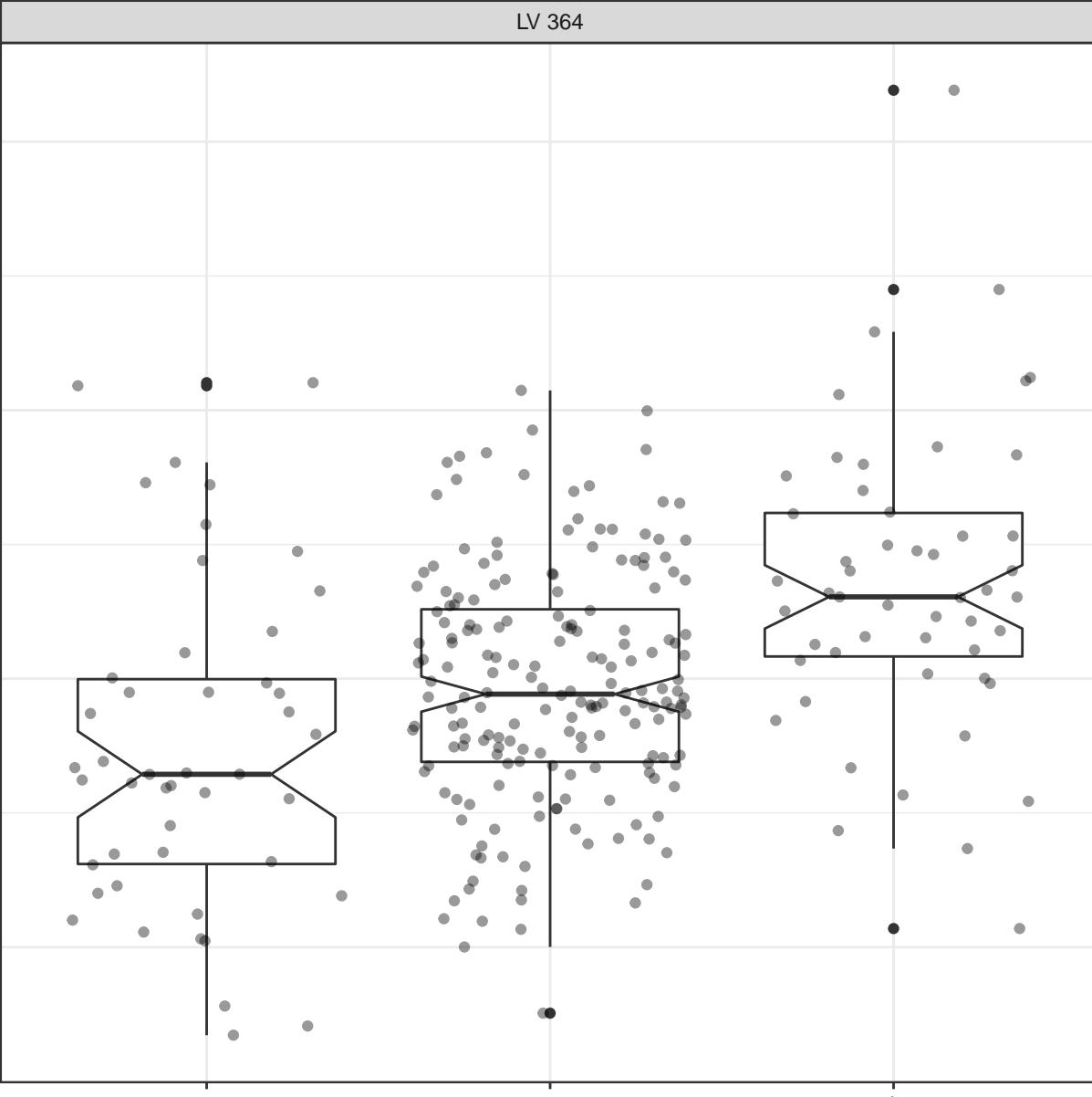
-0.05

Group 3

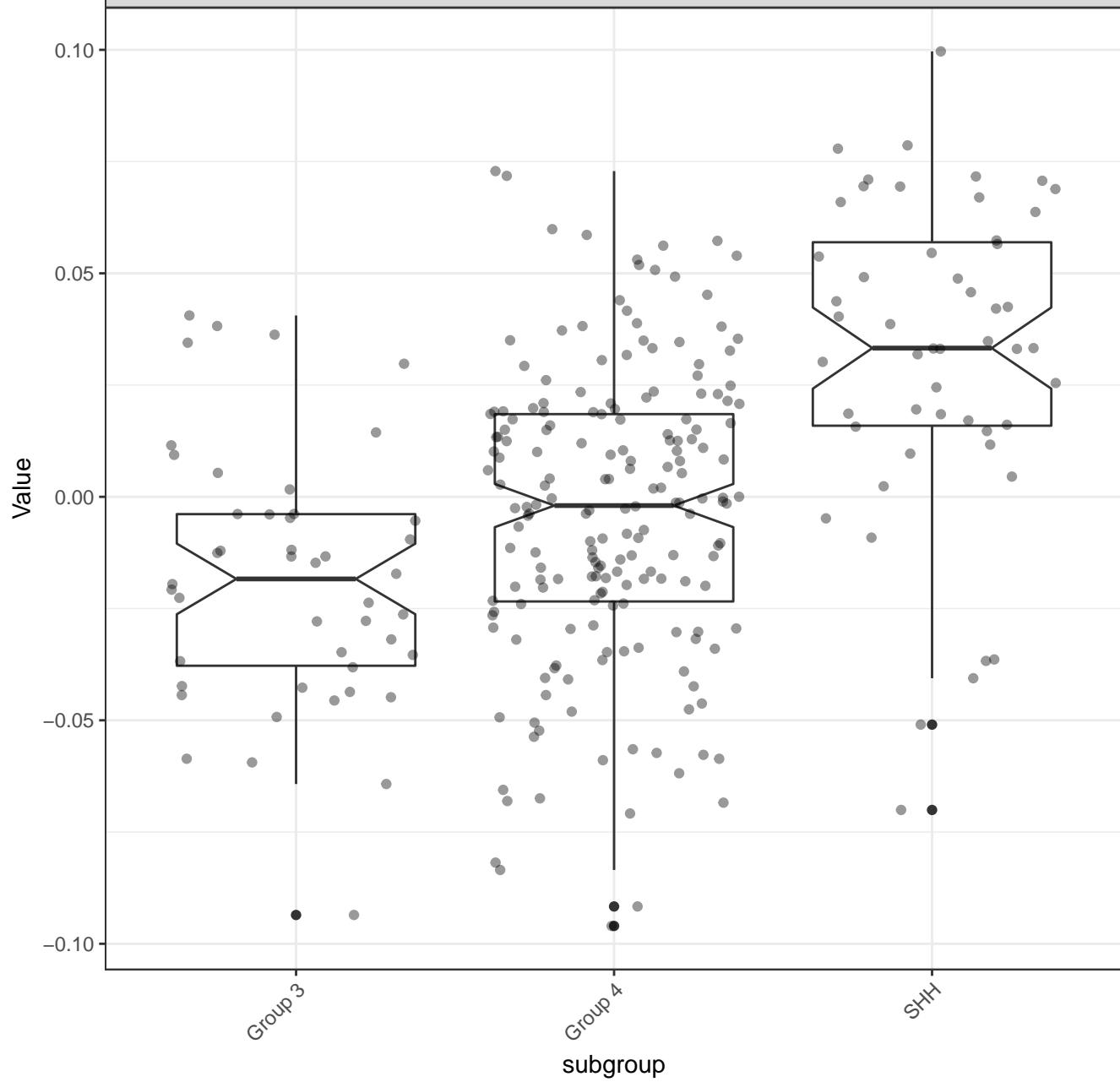
subgroup

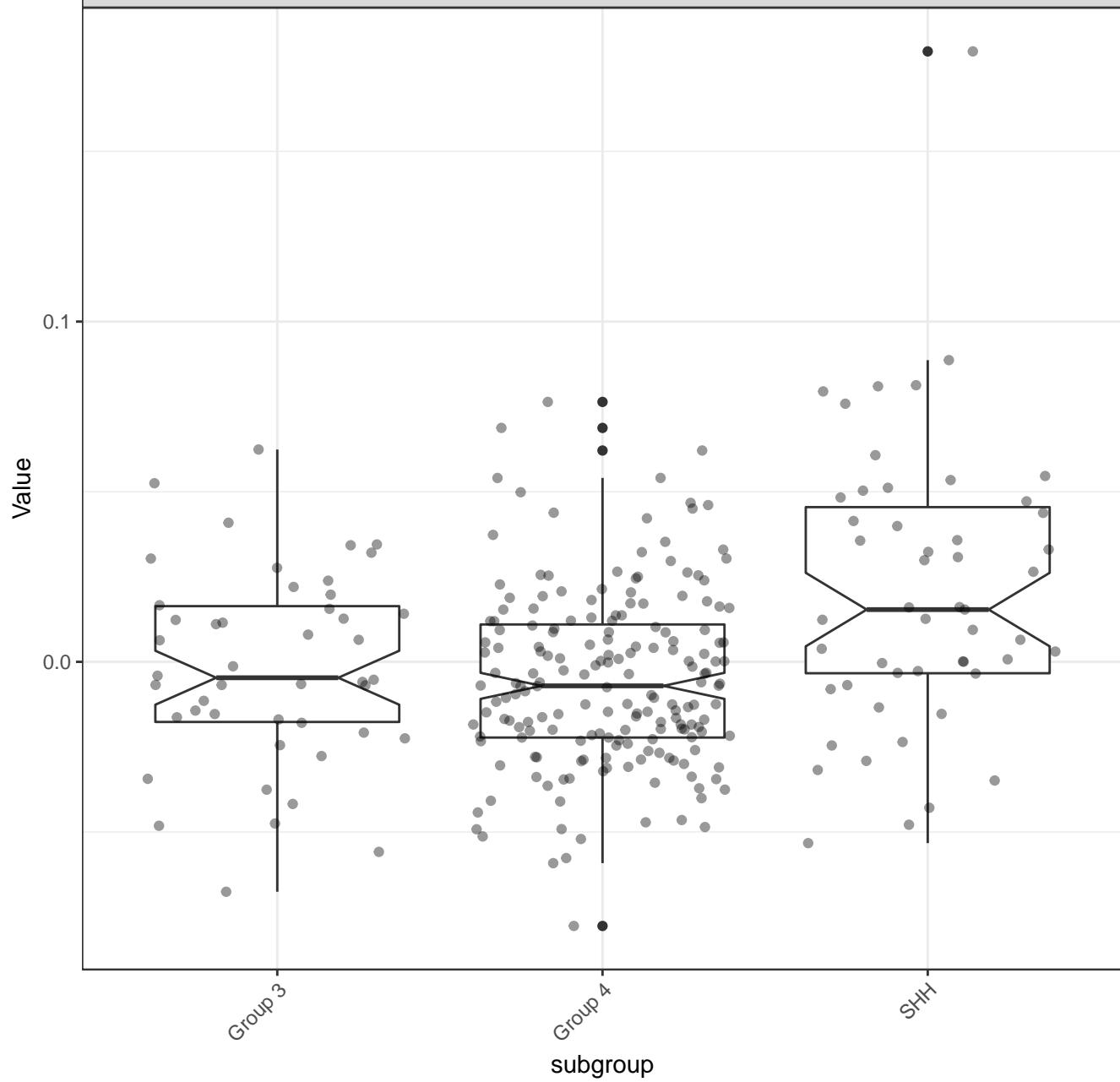
Group 4

SHH

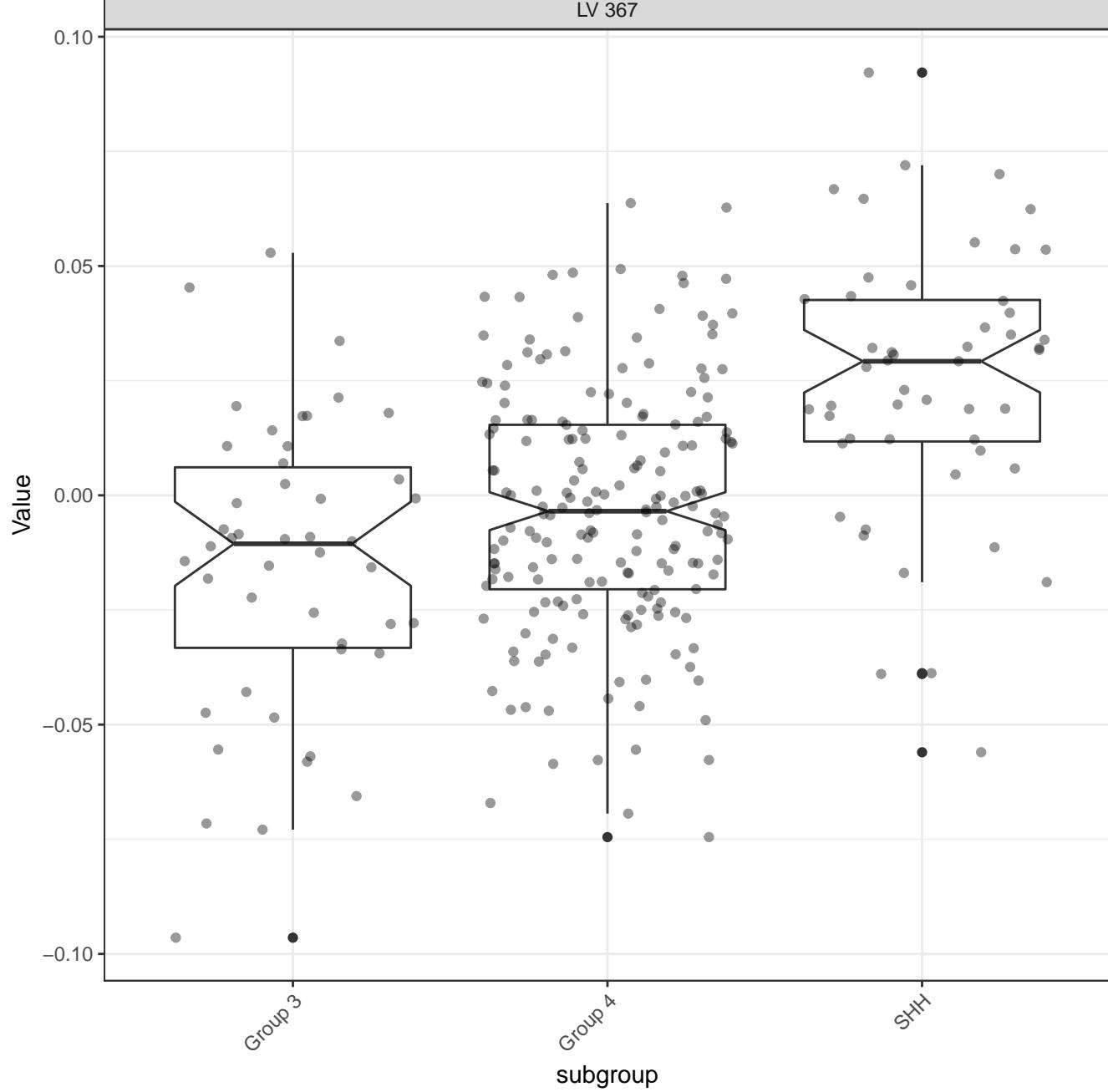


LV 365





LV 367



LV 368

Value

0.10

0.05

0.00

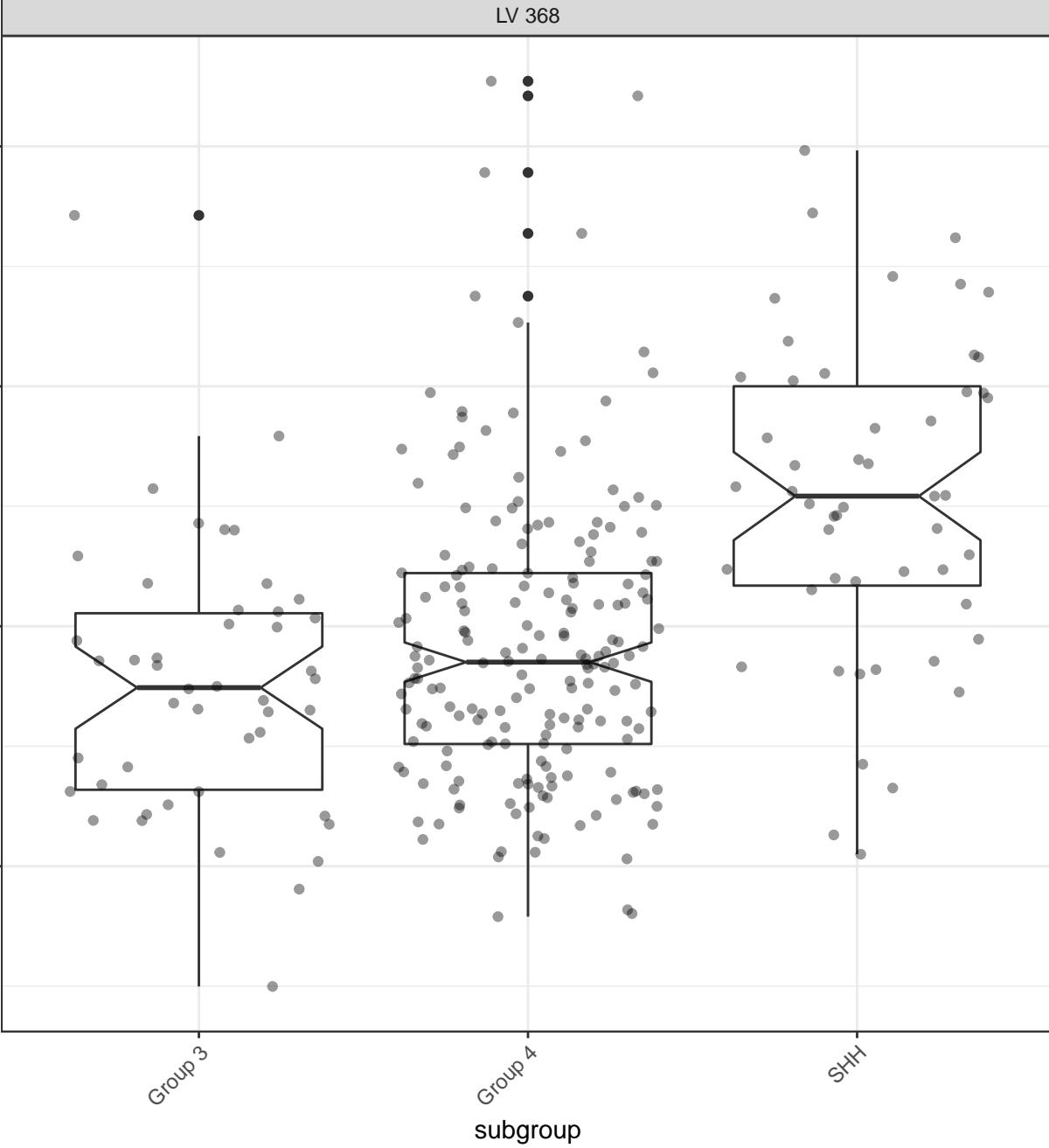
-0.05

Group 3

Group 4

SHH

subgroup



LV 369

Value

0.04

0.00

-0.04

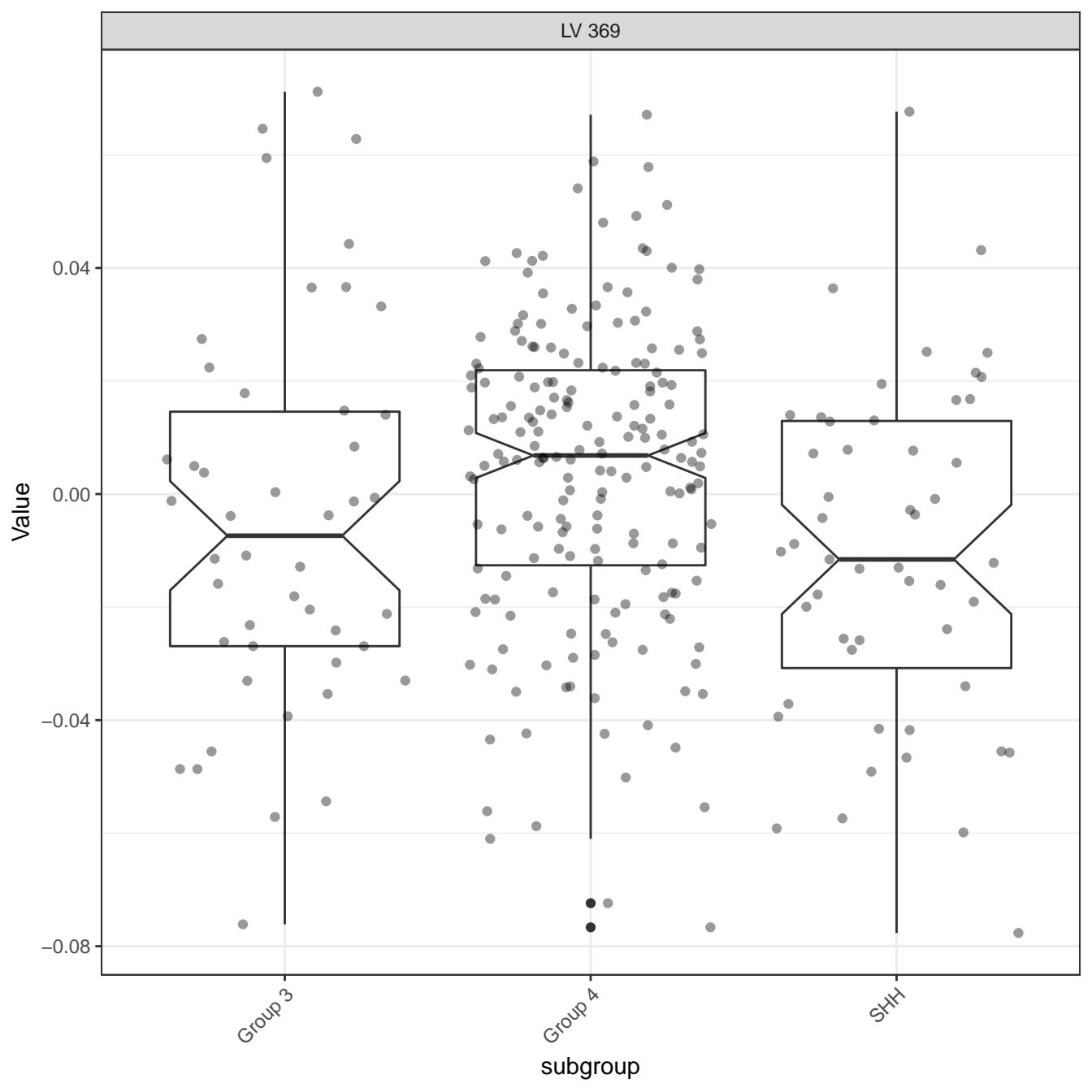
-0.08

Group 3

subgroup

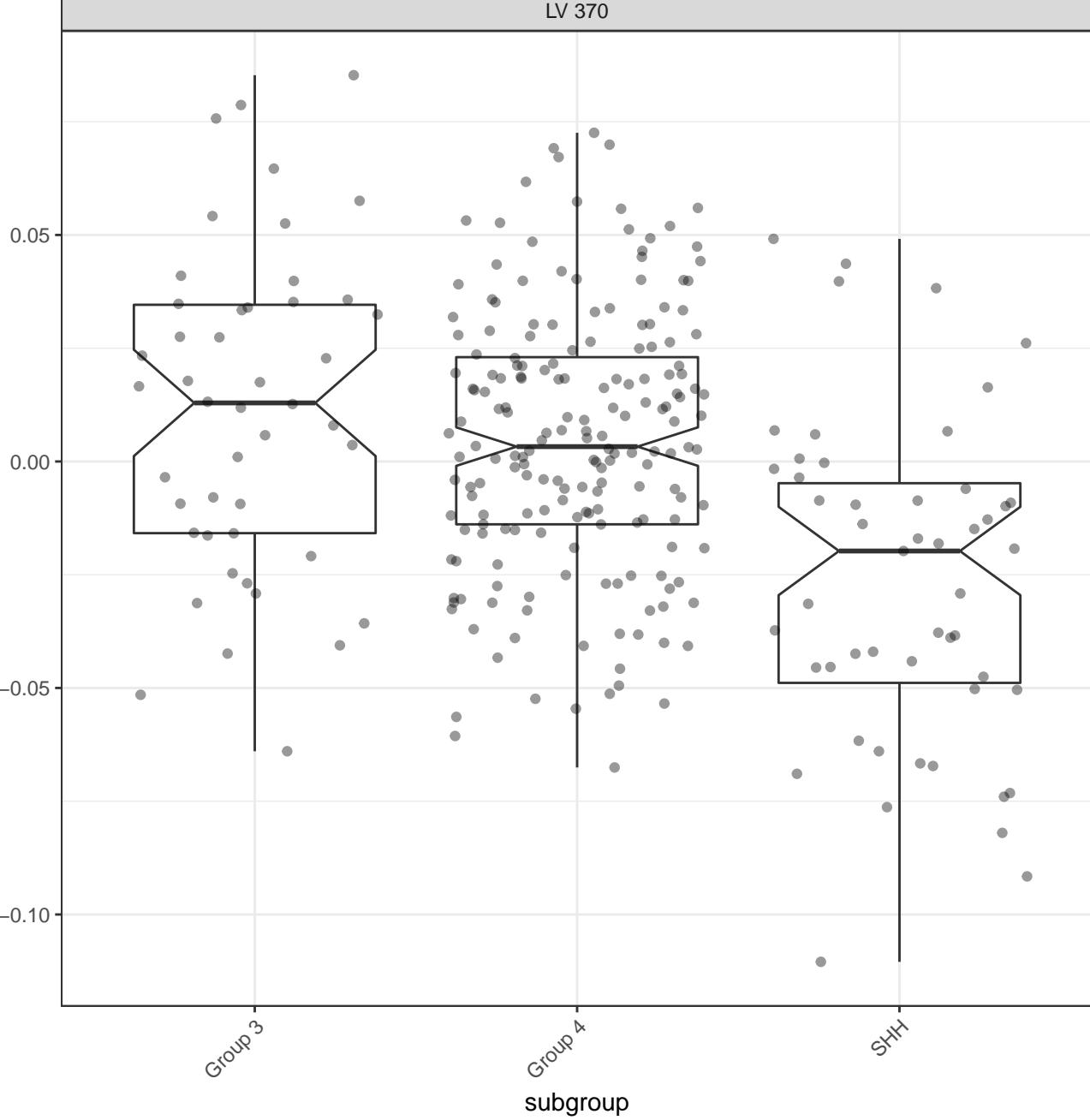
SHH

Group 4



LV 370

Value



LV 371

Value

0.1

0.0

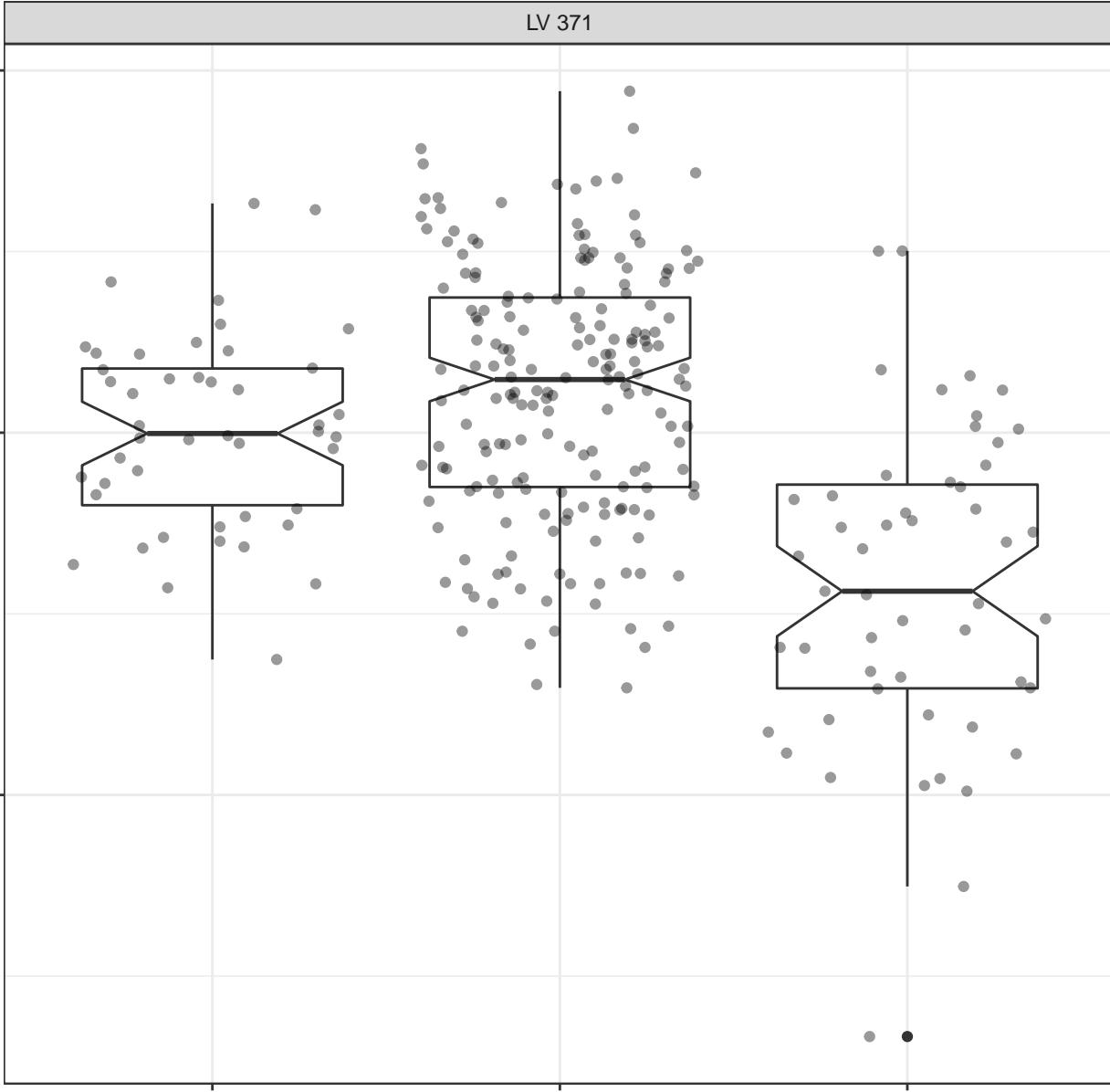
-0.1

Group³

Group⁴

SHH

subgroup



LV 372

Value

0.05

0.00

-0.05

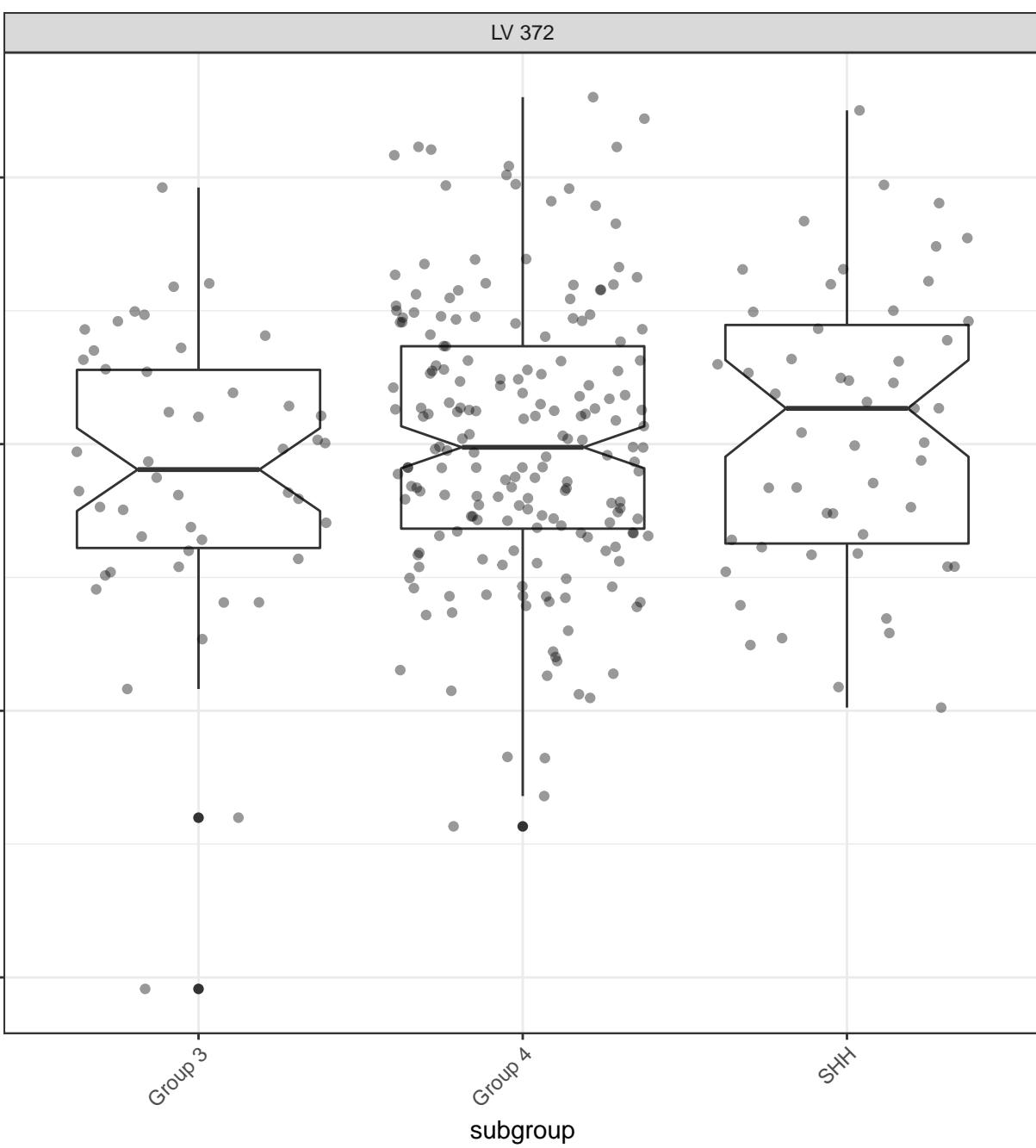
-0.10

Group 3

Group 4

SHH

subgroup



LV 373

Value

0.10

0.05

0.00

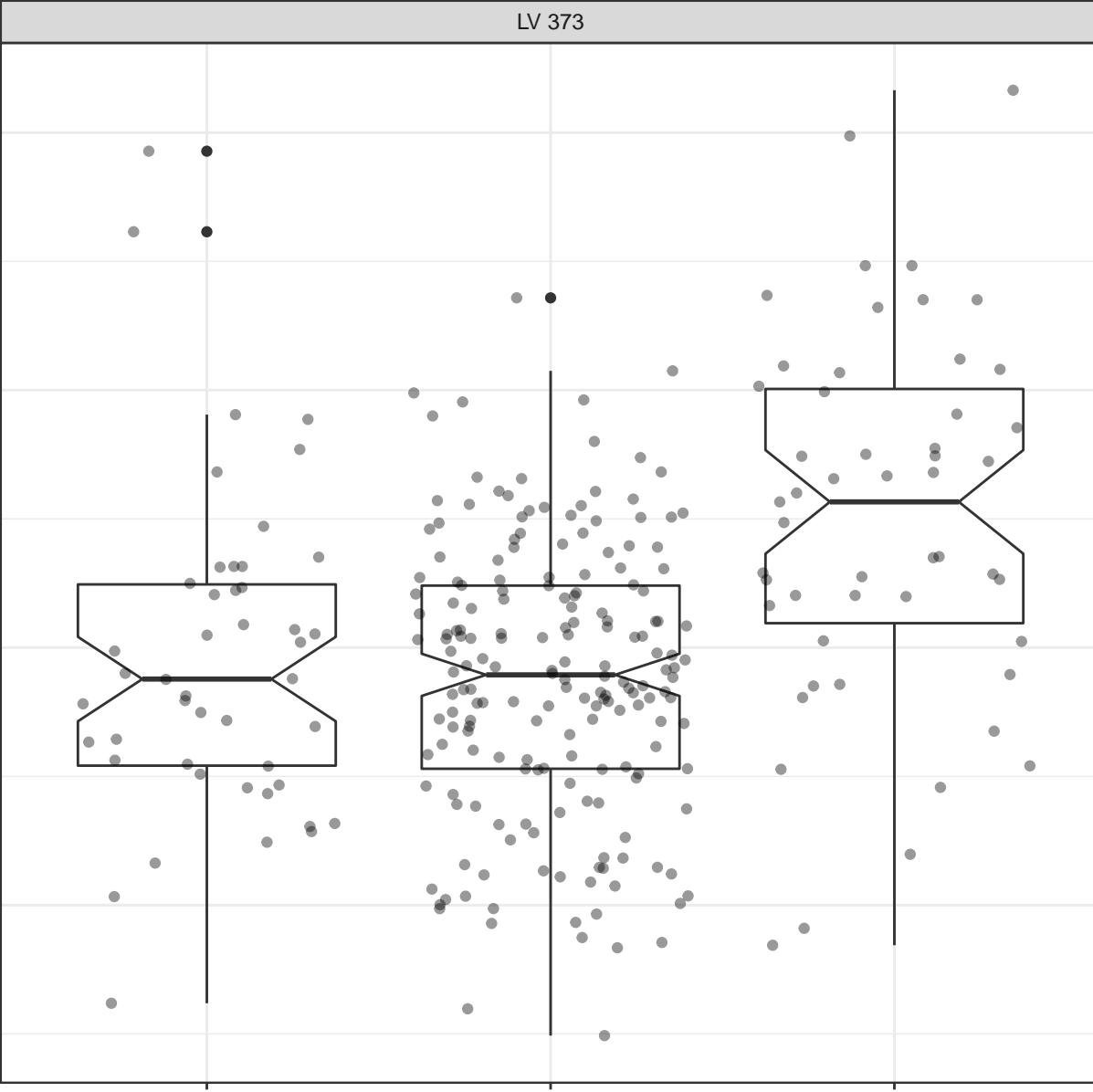
-0.05

Group 3

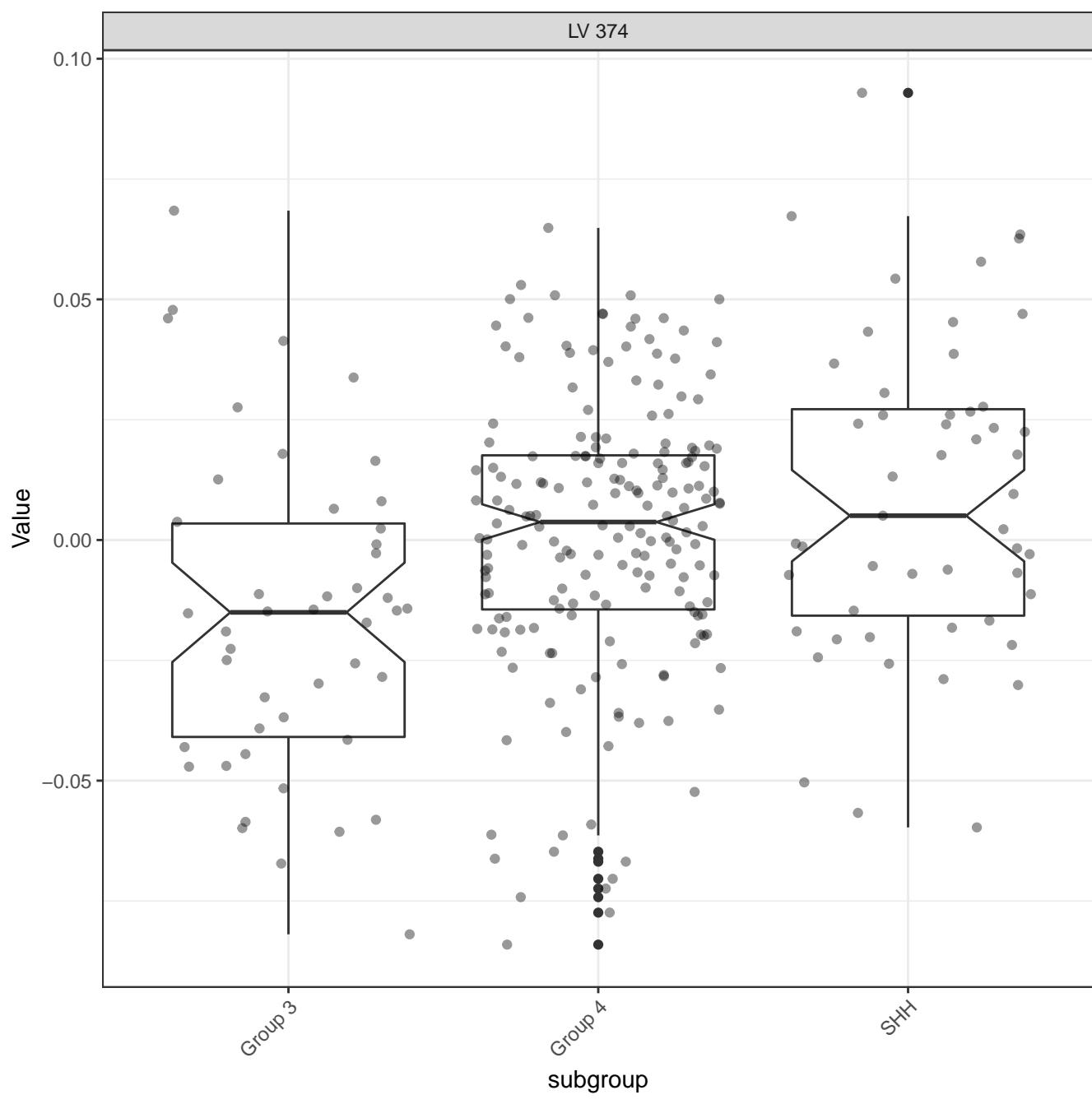
subgroup

Group 4

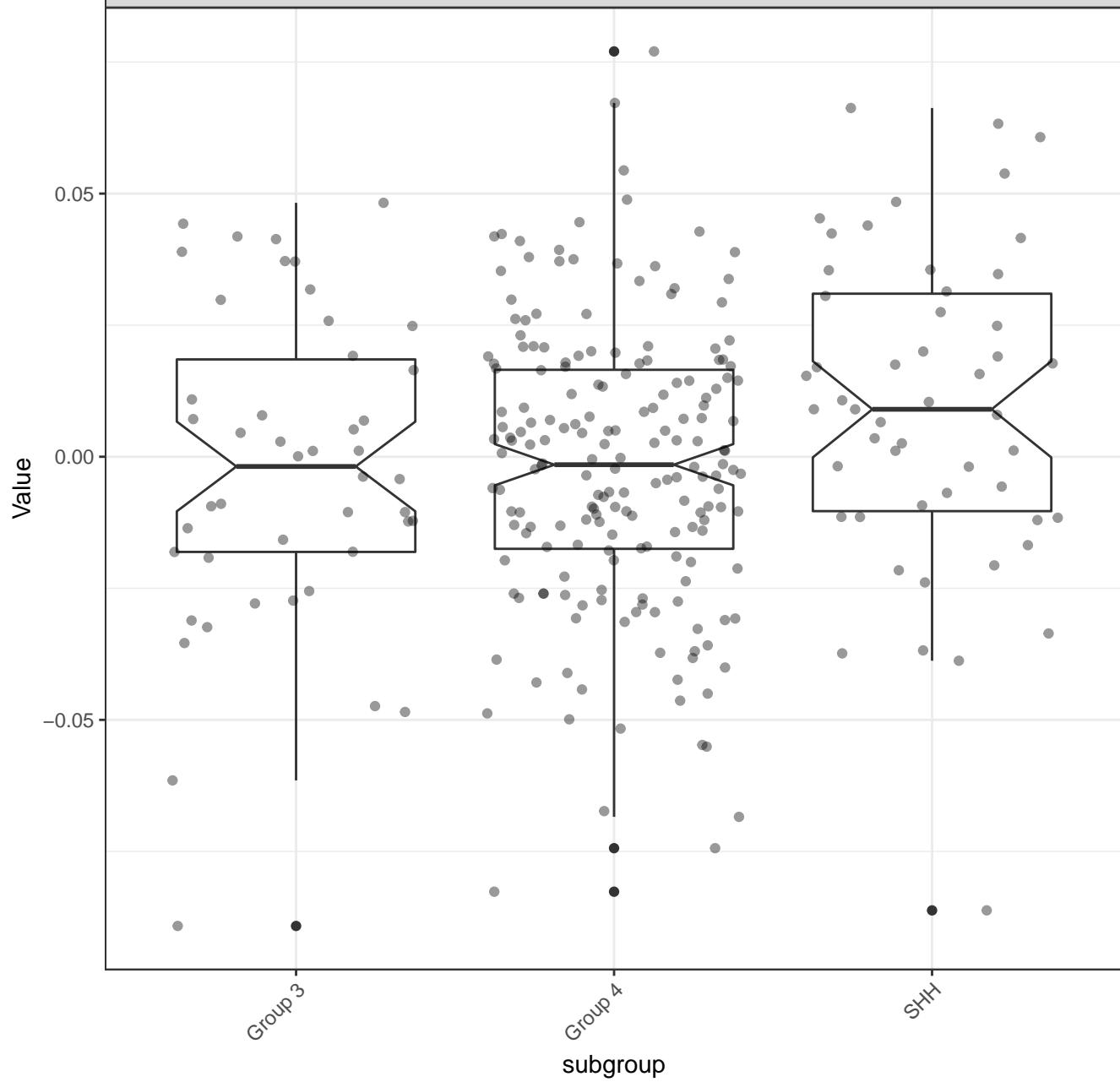
SHH



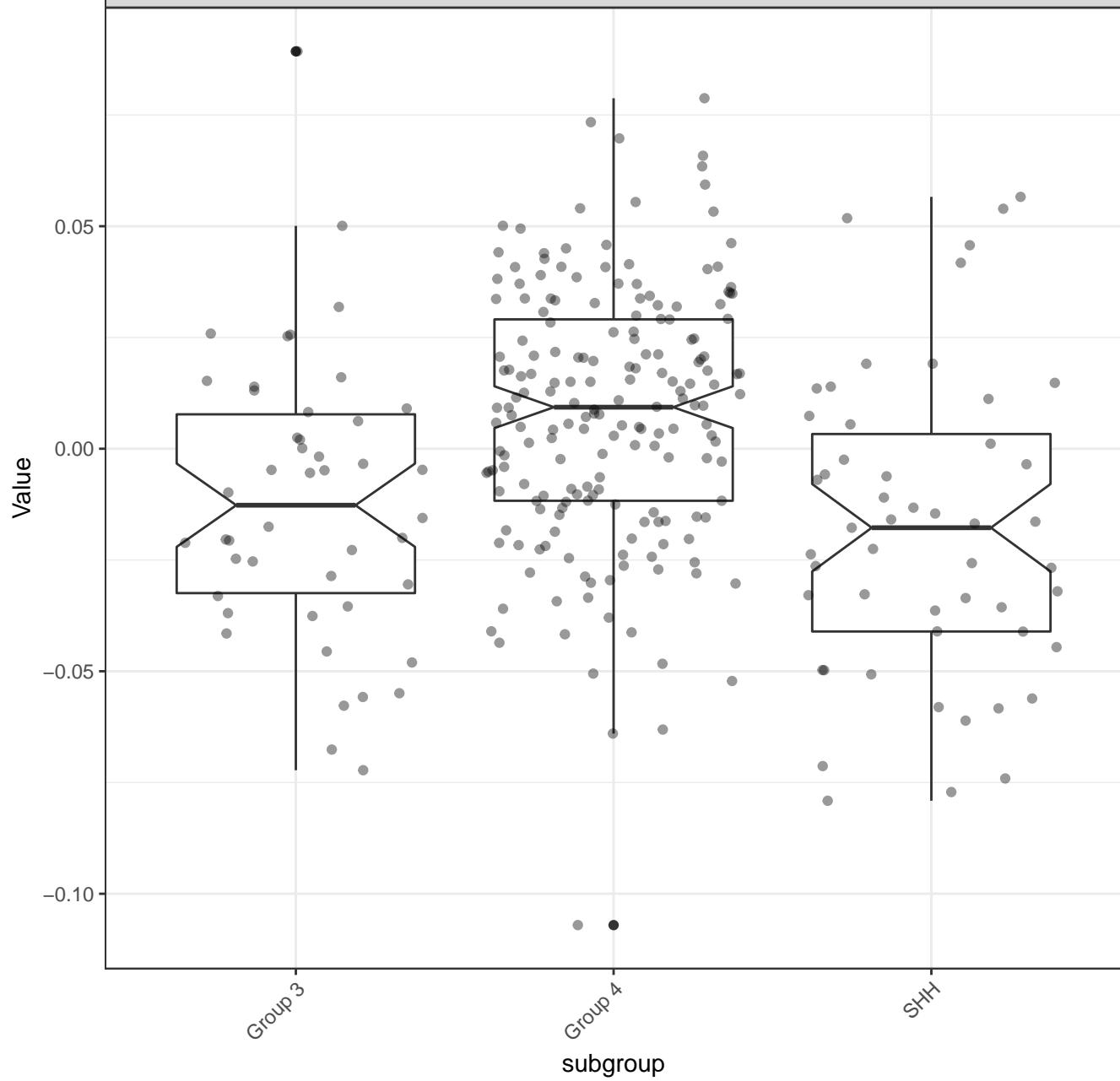
LV 374



LV 375



LV 376



LV 377

Value

0.10

0.05

0.00

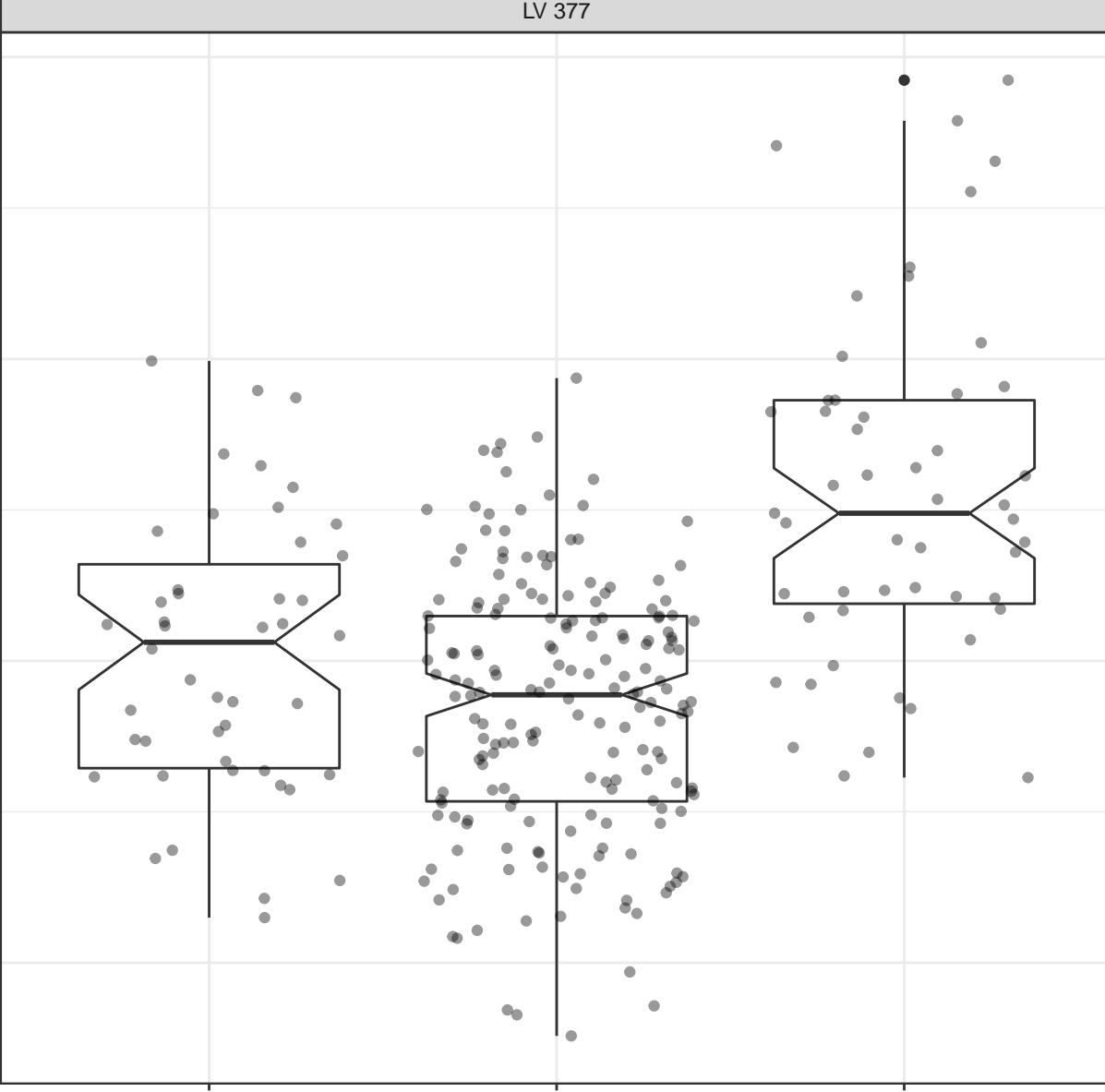
-0.05

Group 3

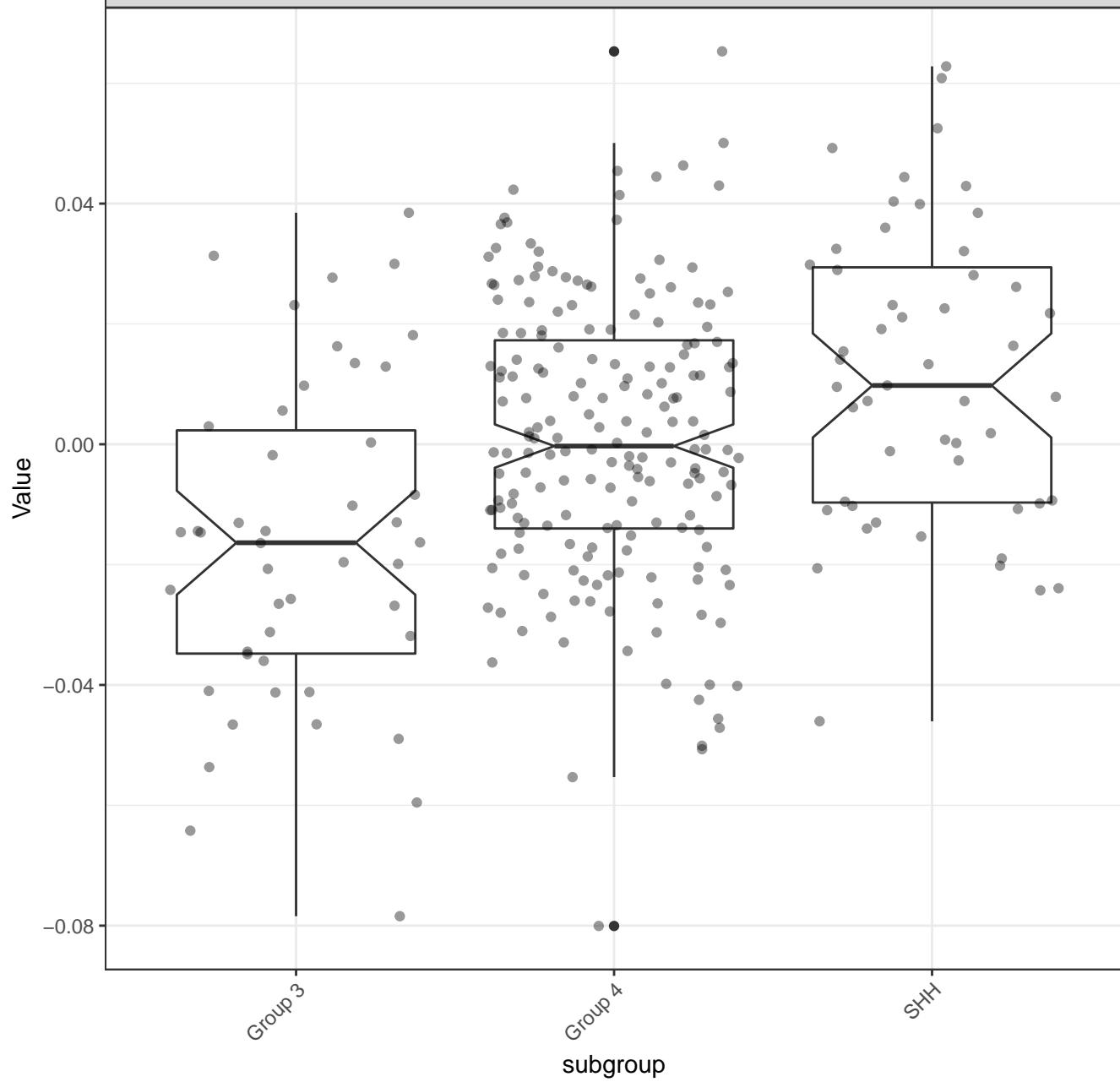
subgroup

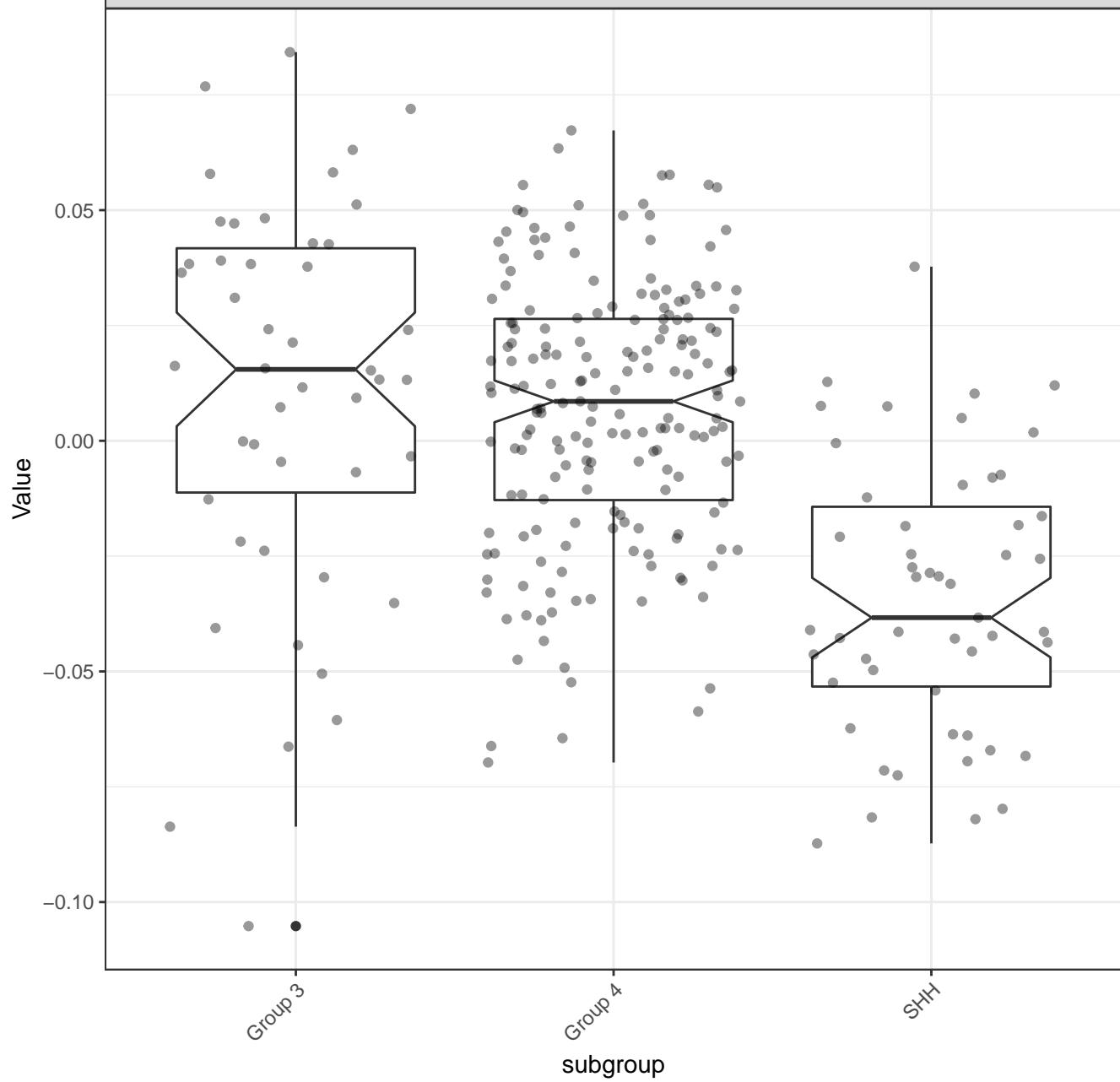
Group 4

SHH



LV 378





LV 380

Value

0.05

0.00

-0.05

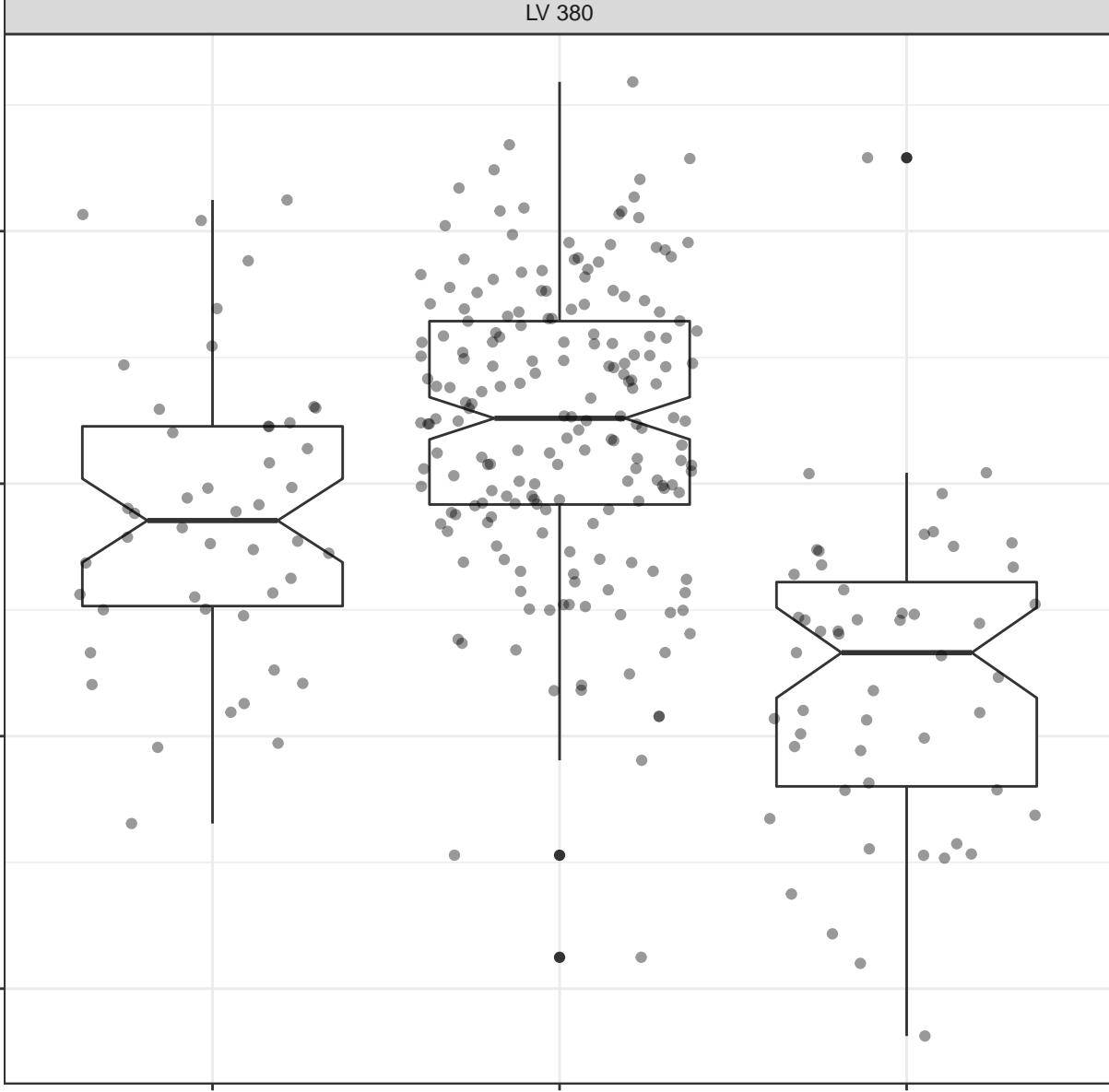
-0.10

Group 3

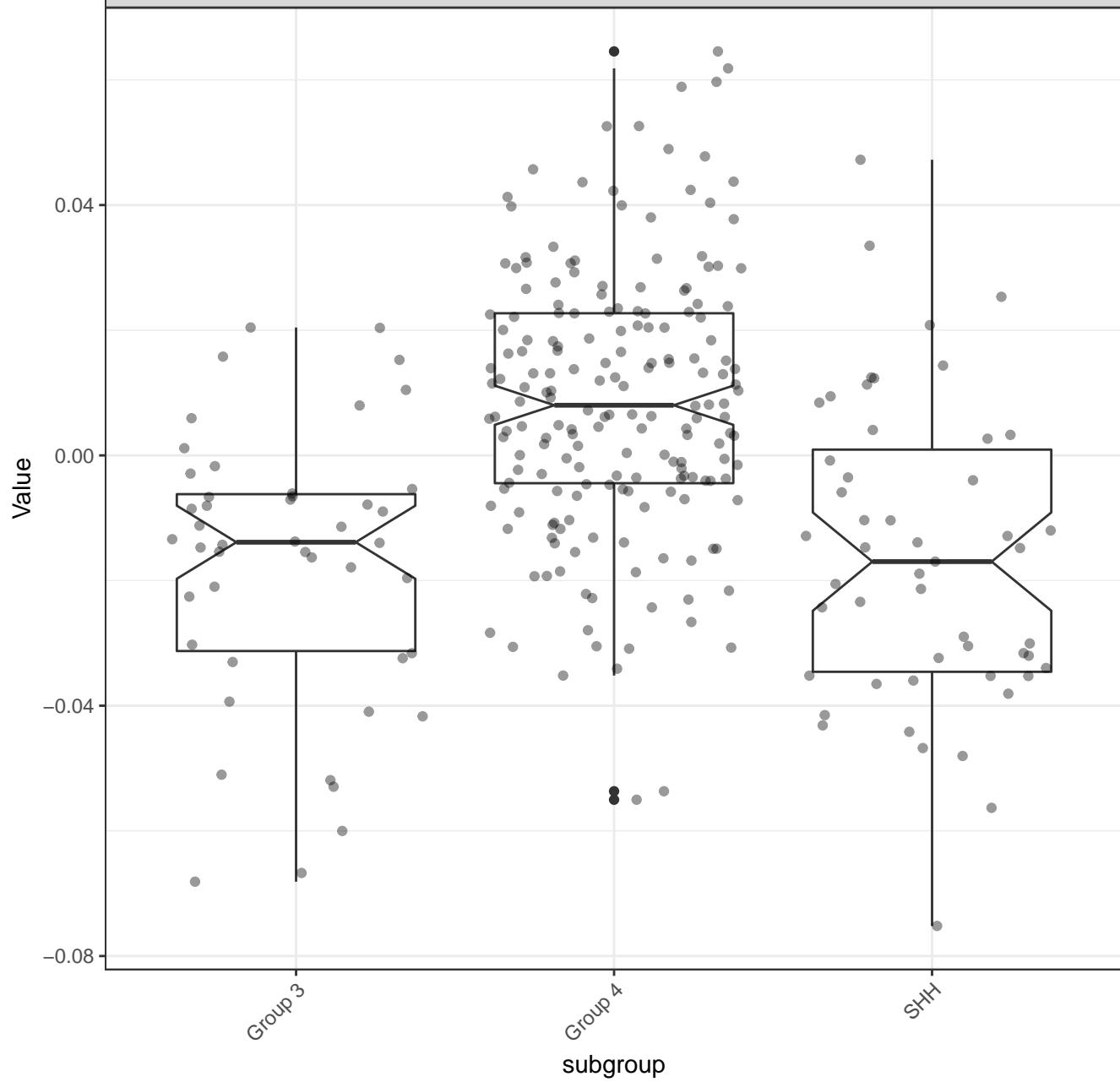
subgroup

Group 4

SHH



LV 381



Value

0.05

0.00

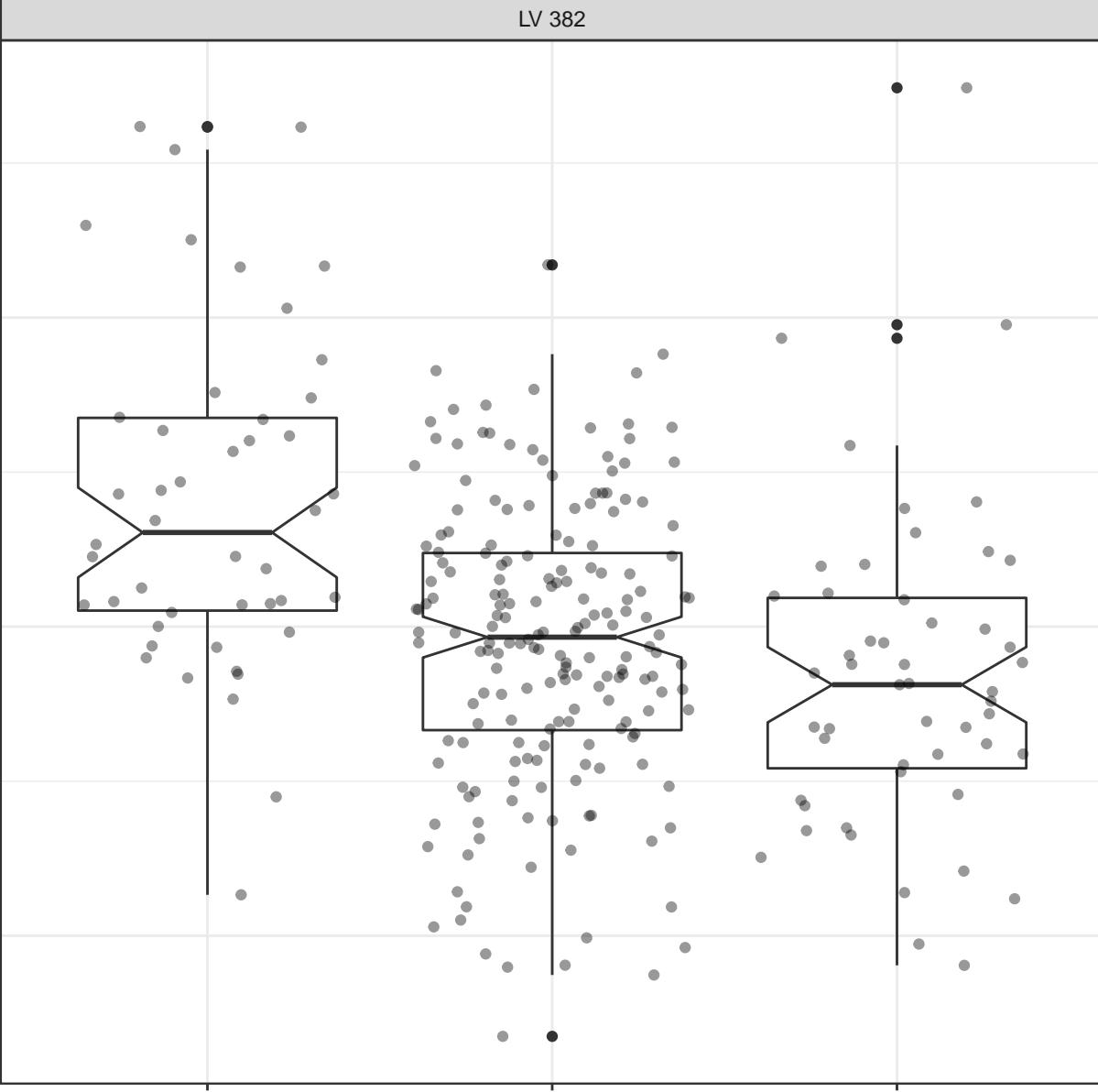
-0.05

Group 3

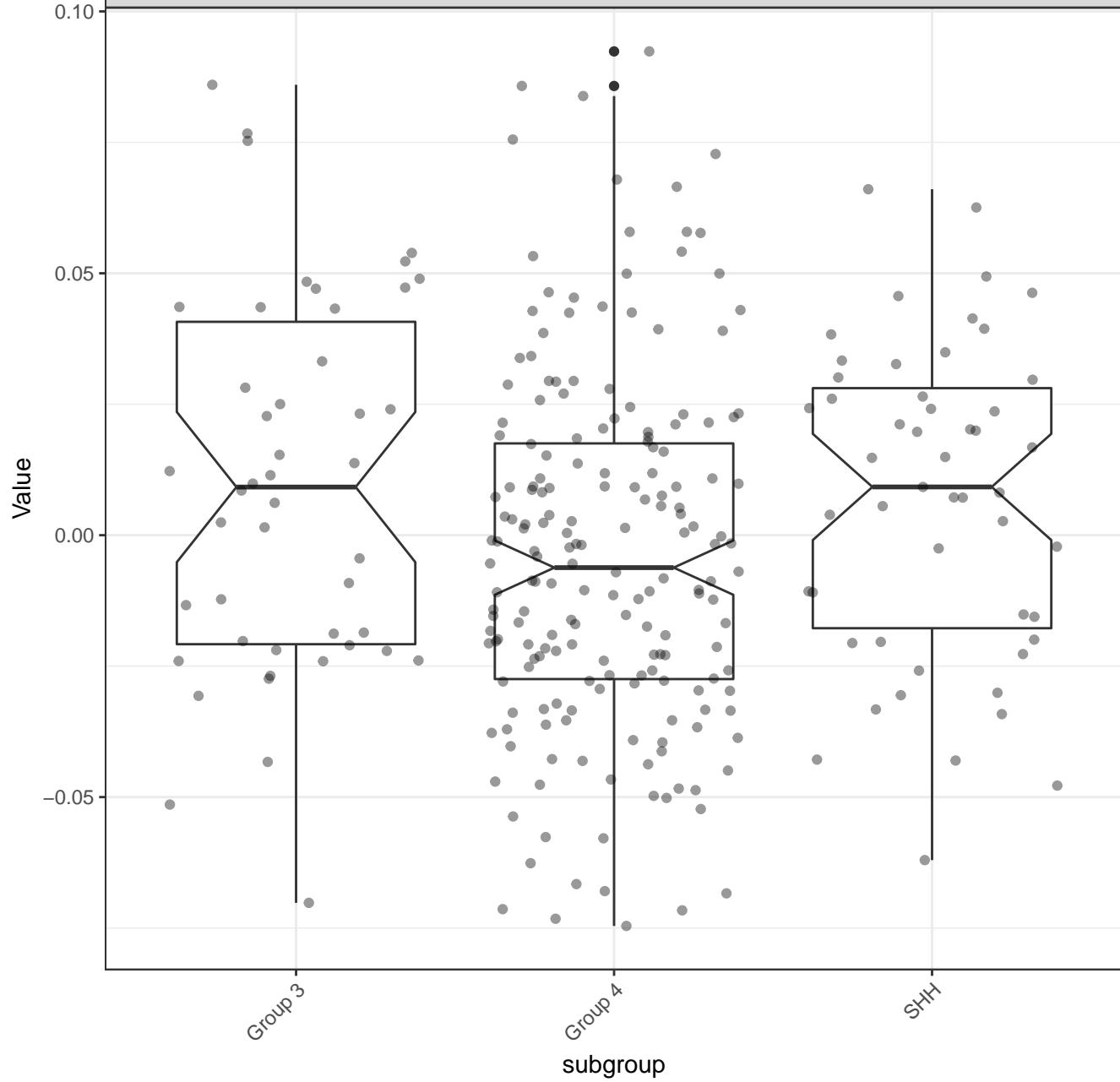
subgroup

Group 4

SHH



LV 383



Value

0.10

0.05

0.00

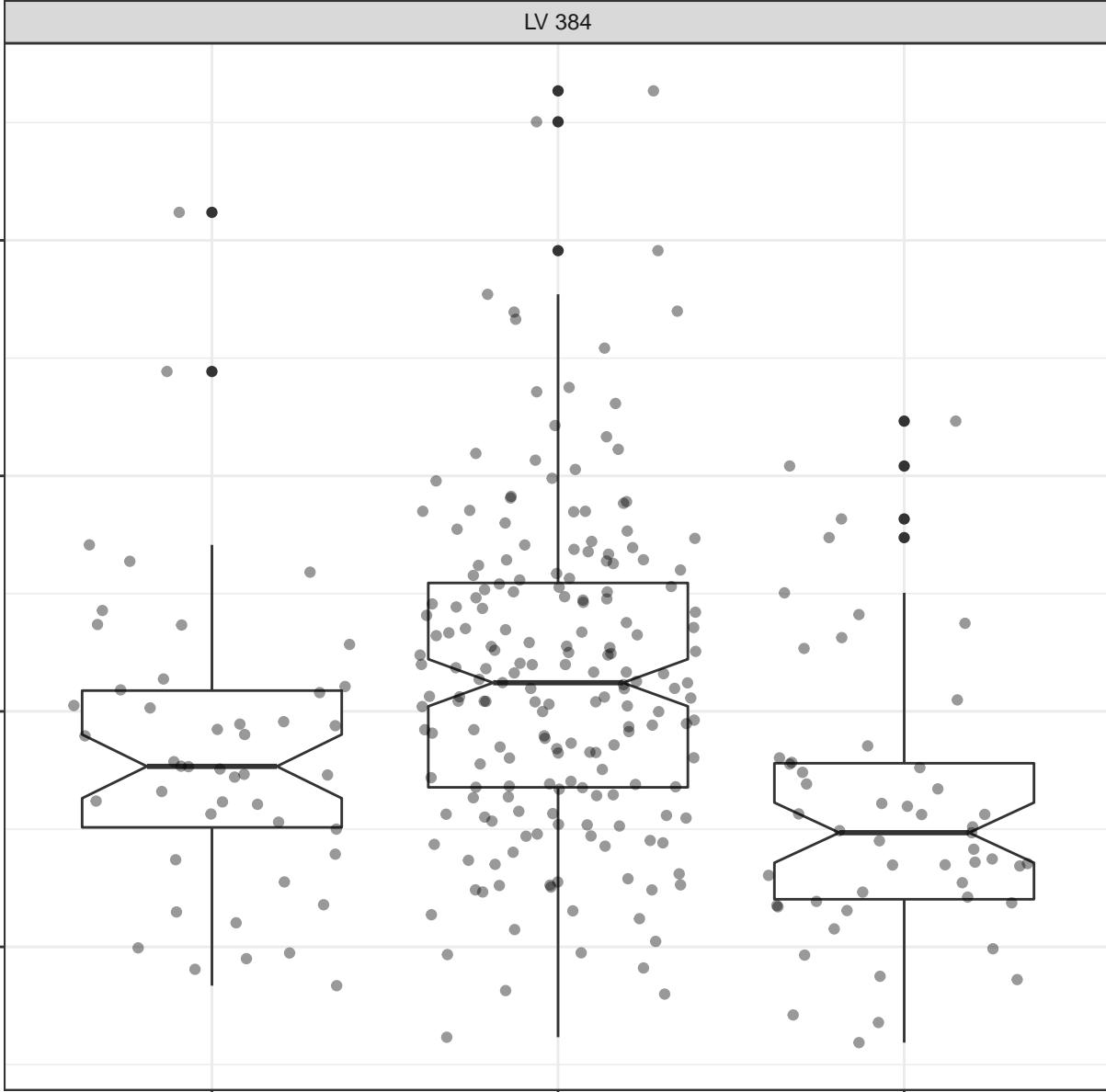
-0.05

Group 3

subgroup

Group 4

SHH



Value

0.05

0.00

-0.05

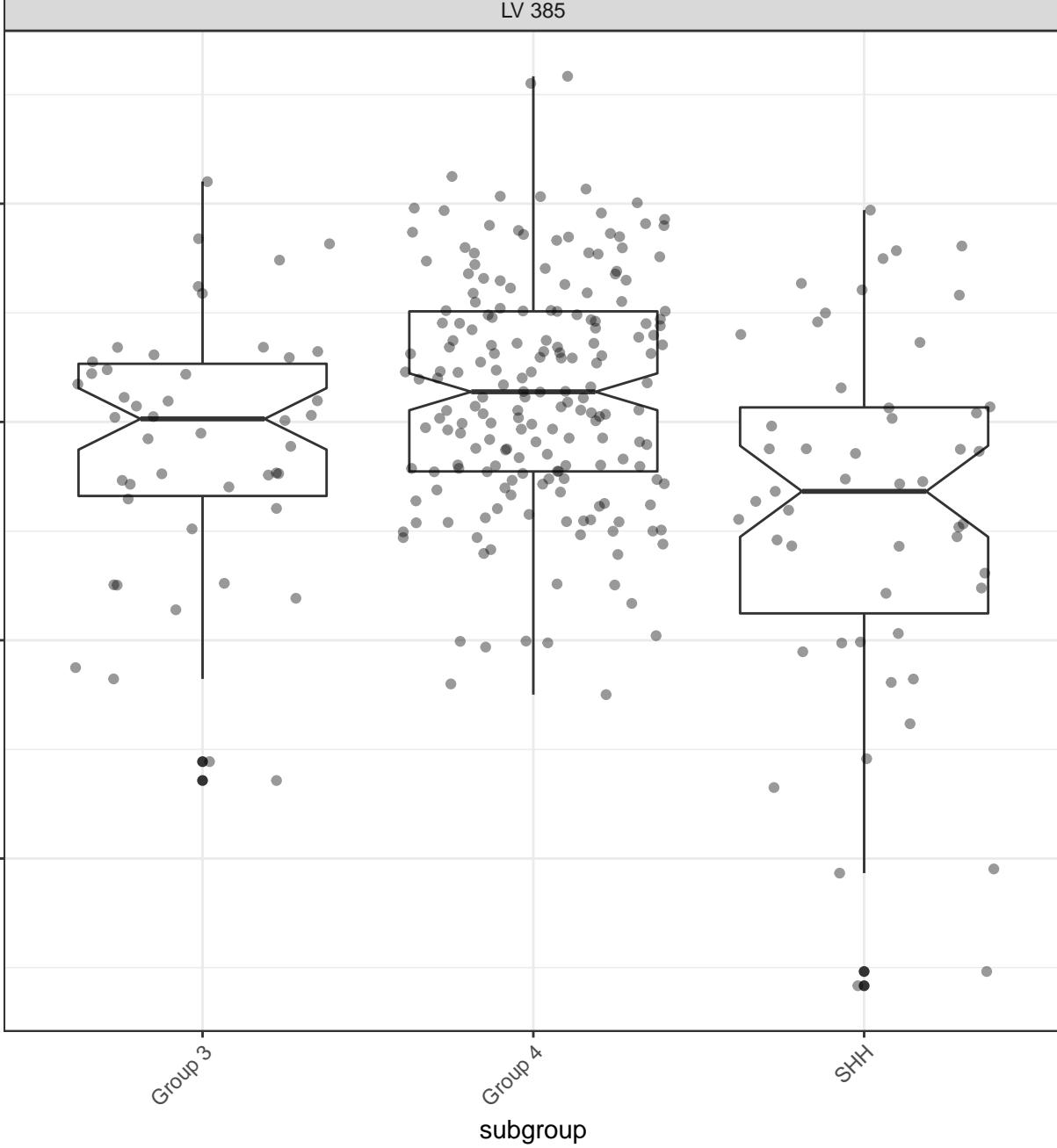
-0.10

Group 3

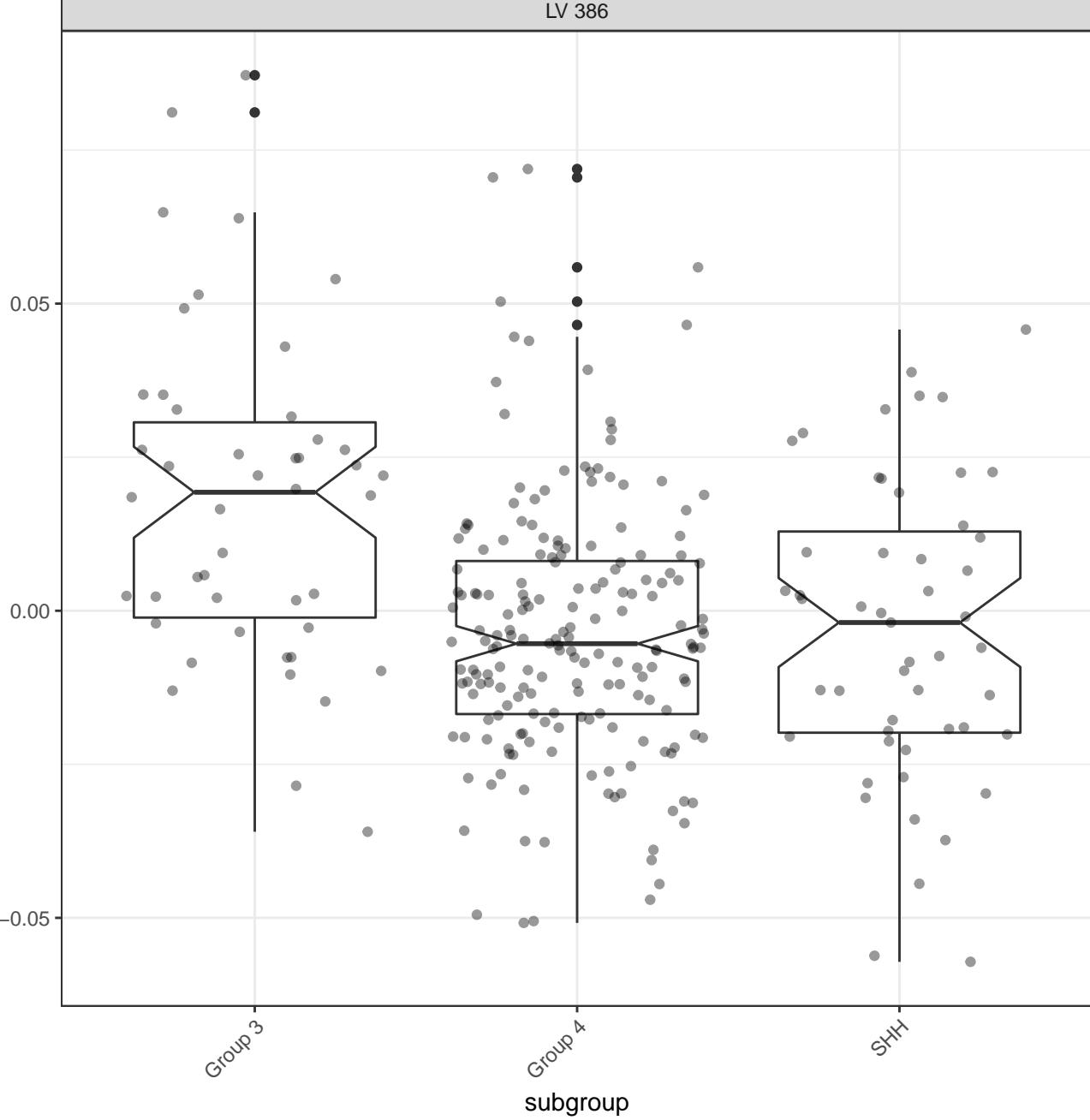
Group 4

SHH

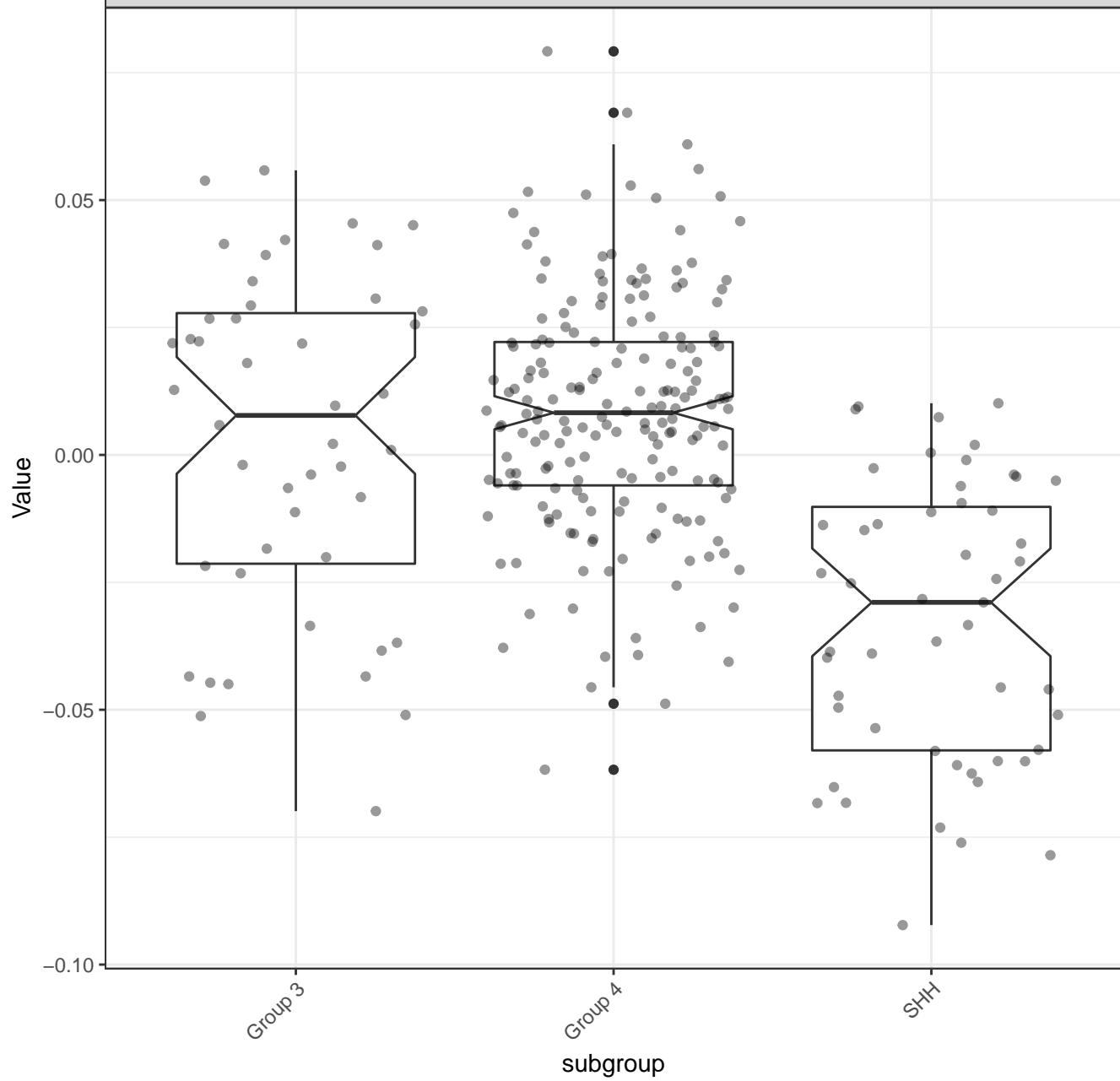
subgroup



Value



LV 387



LV 388

Value

0.10

0.05

0.00

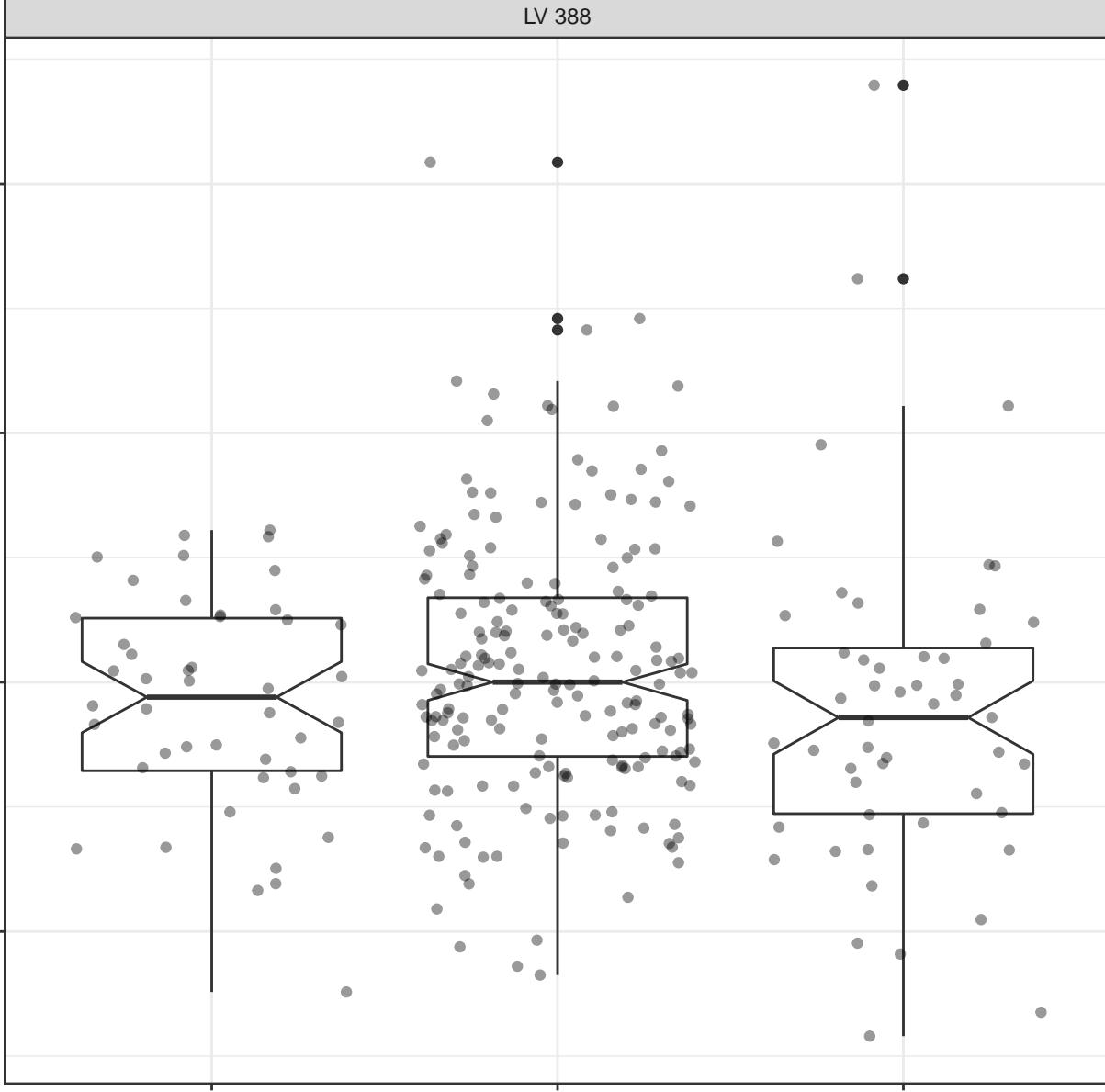
-0.05

Group 3

Group 4

SHH

subgroup



LV 389

Value

0.10

0.05

0.00

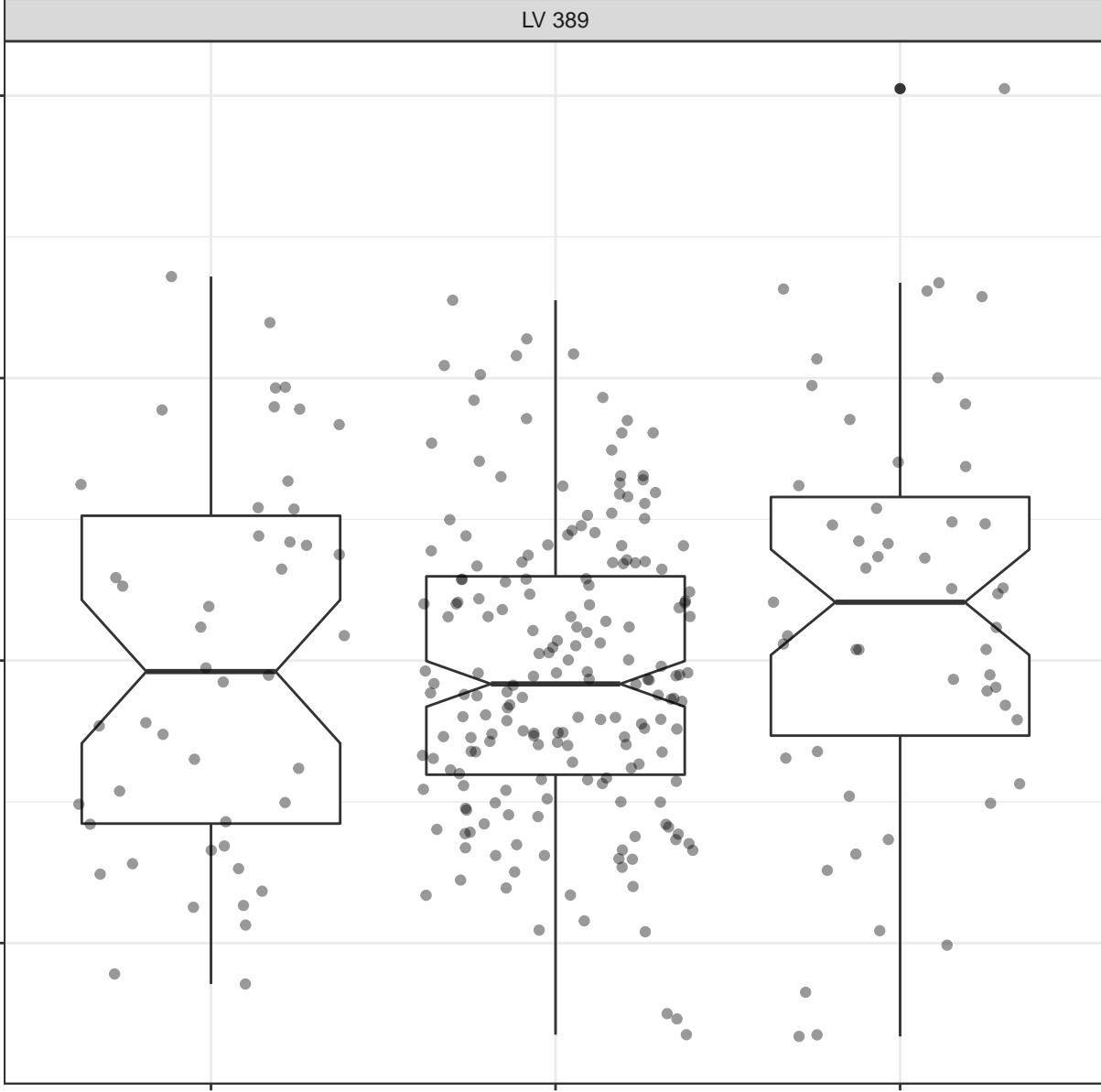
-0.05

Group 3

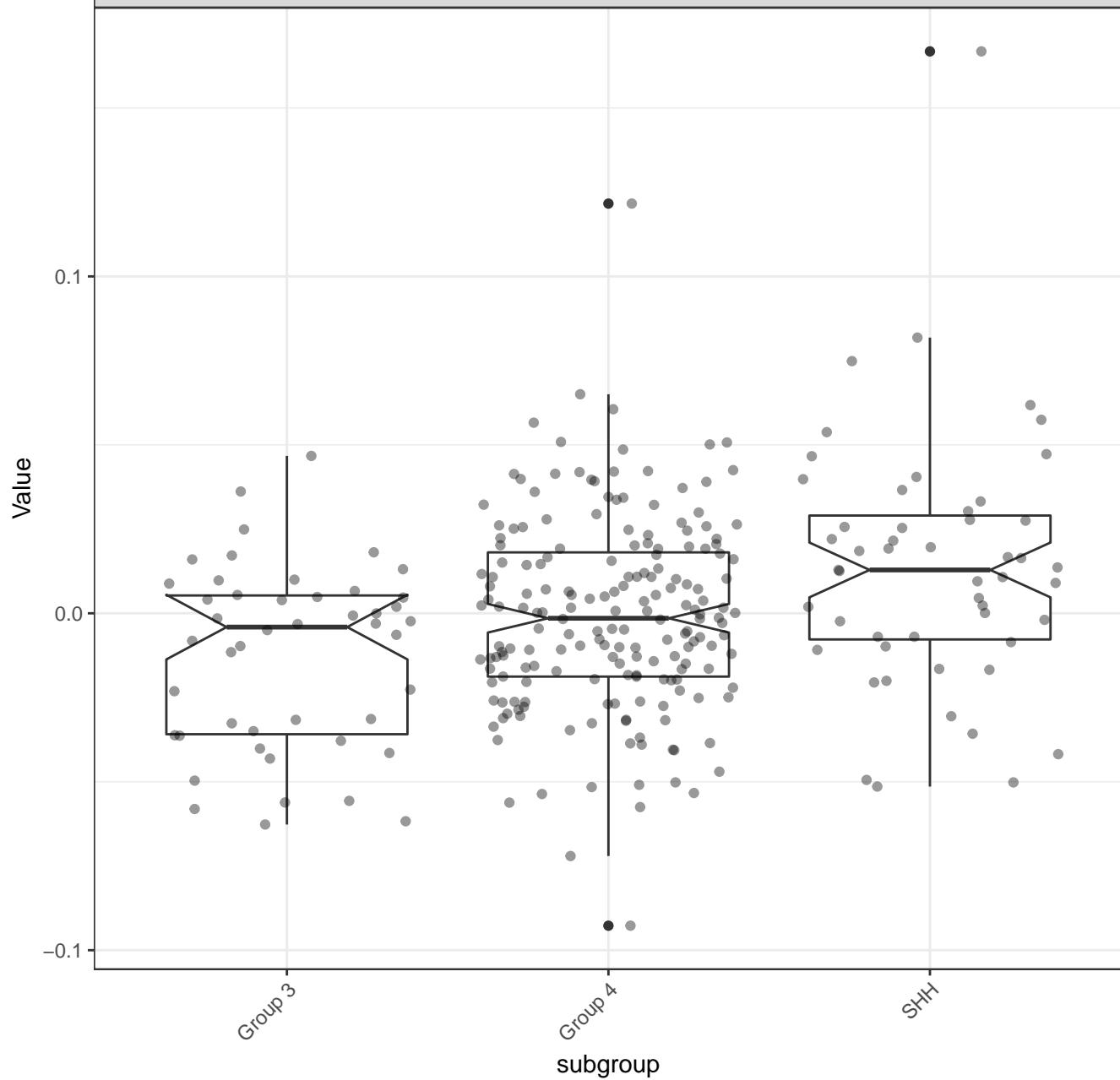
subgroup

Group 4

SHH



LV 390



LV 391

Value

0.05

0.00

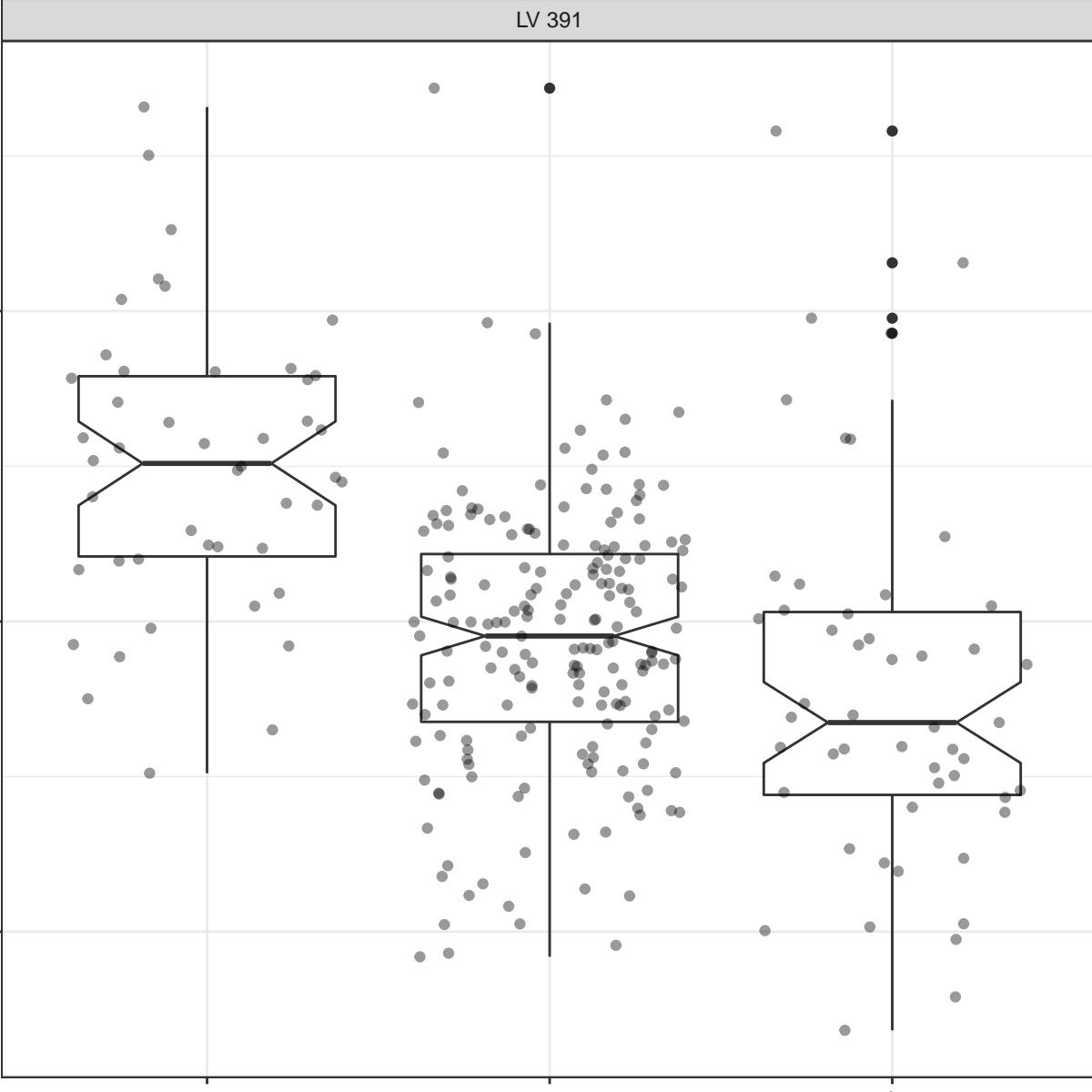
-0.05

Group 3

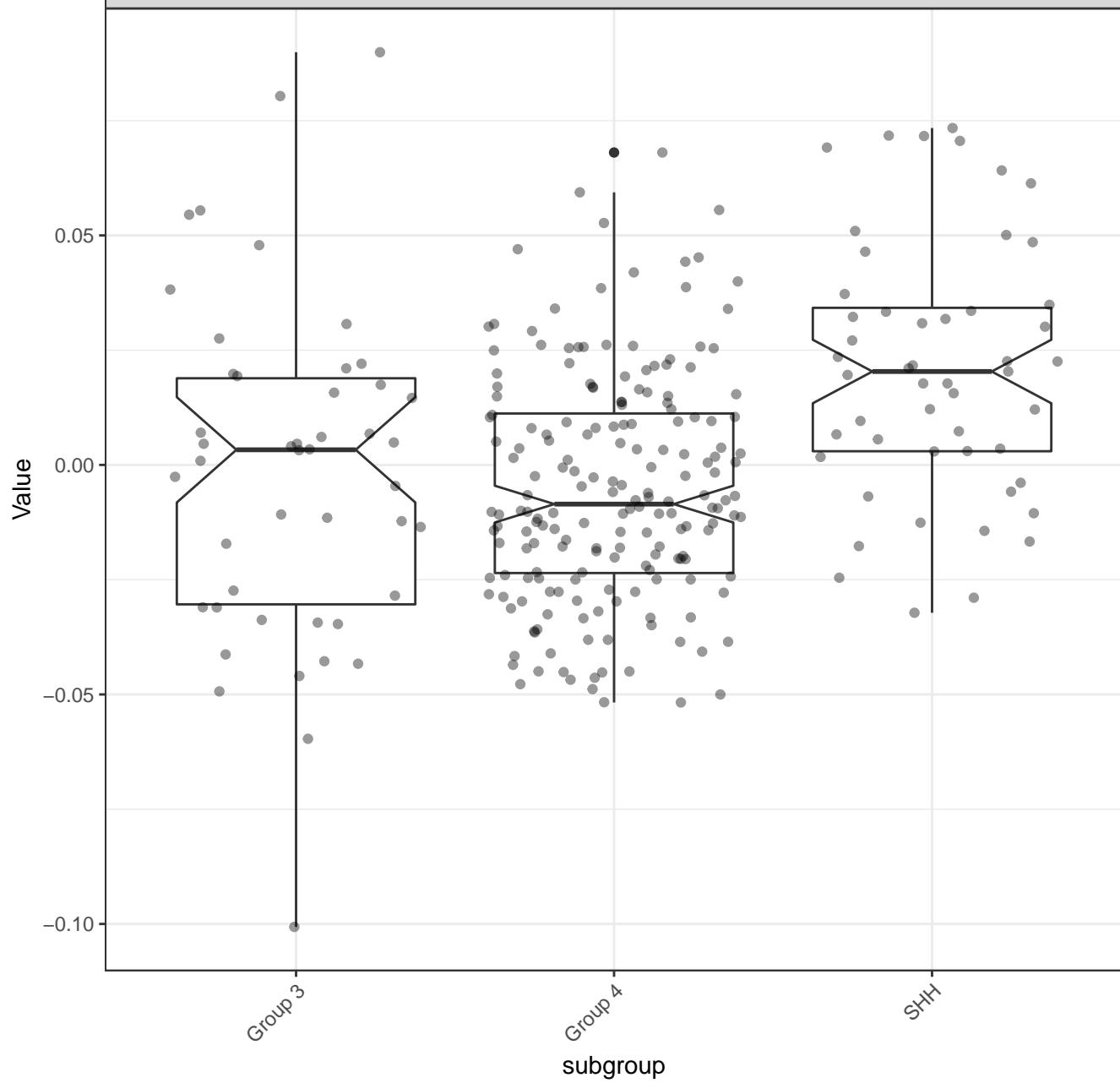
subgroup

Group 4

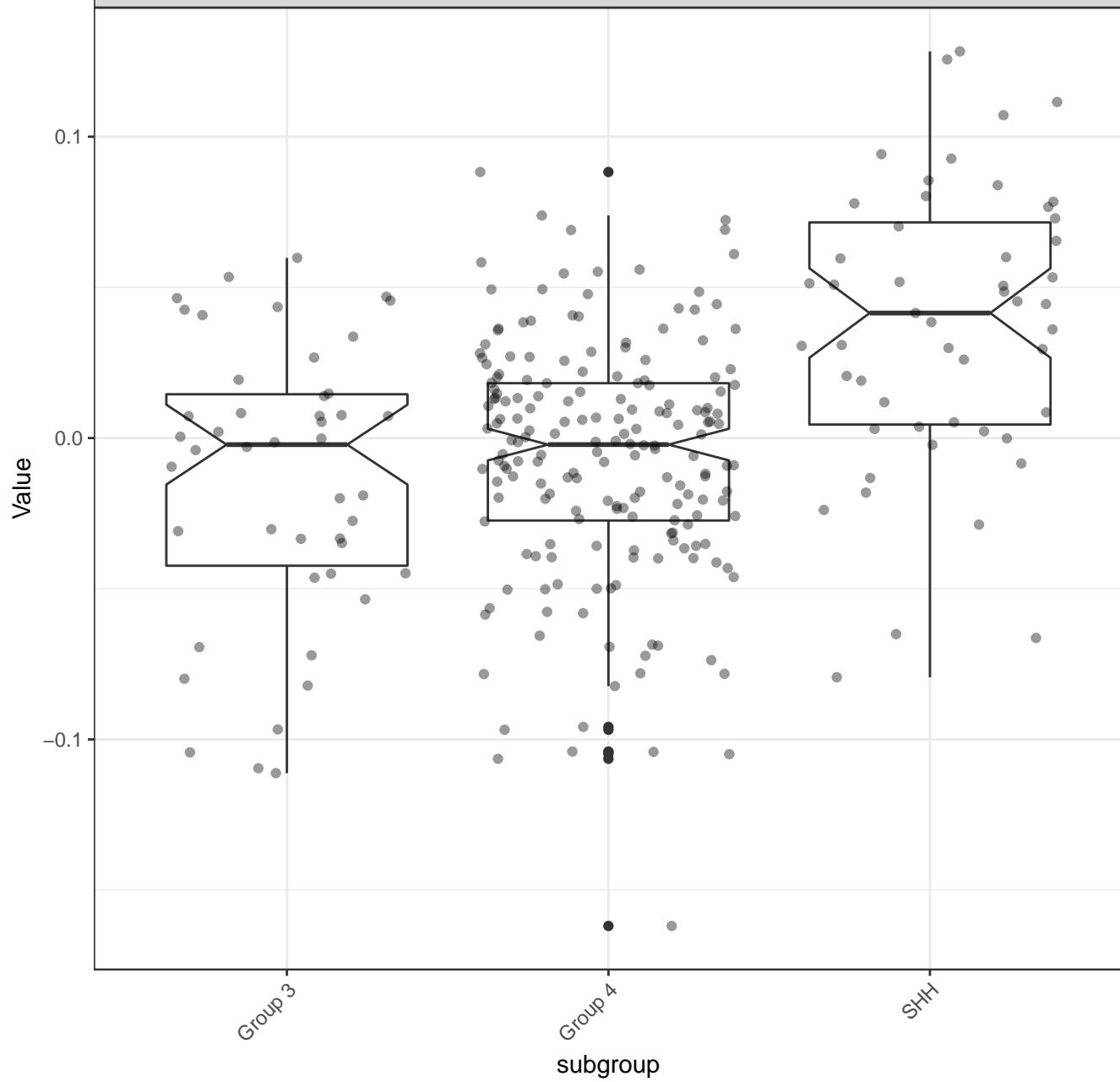
SHH



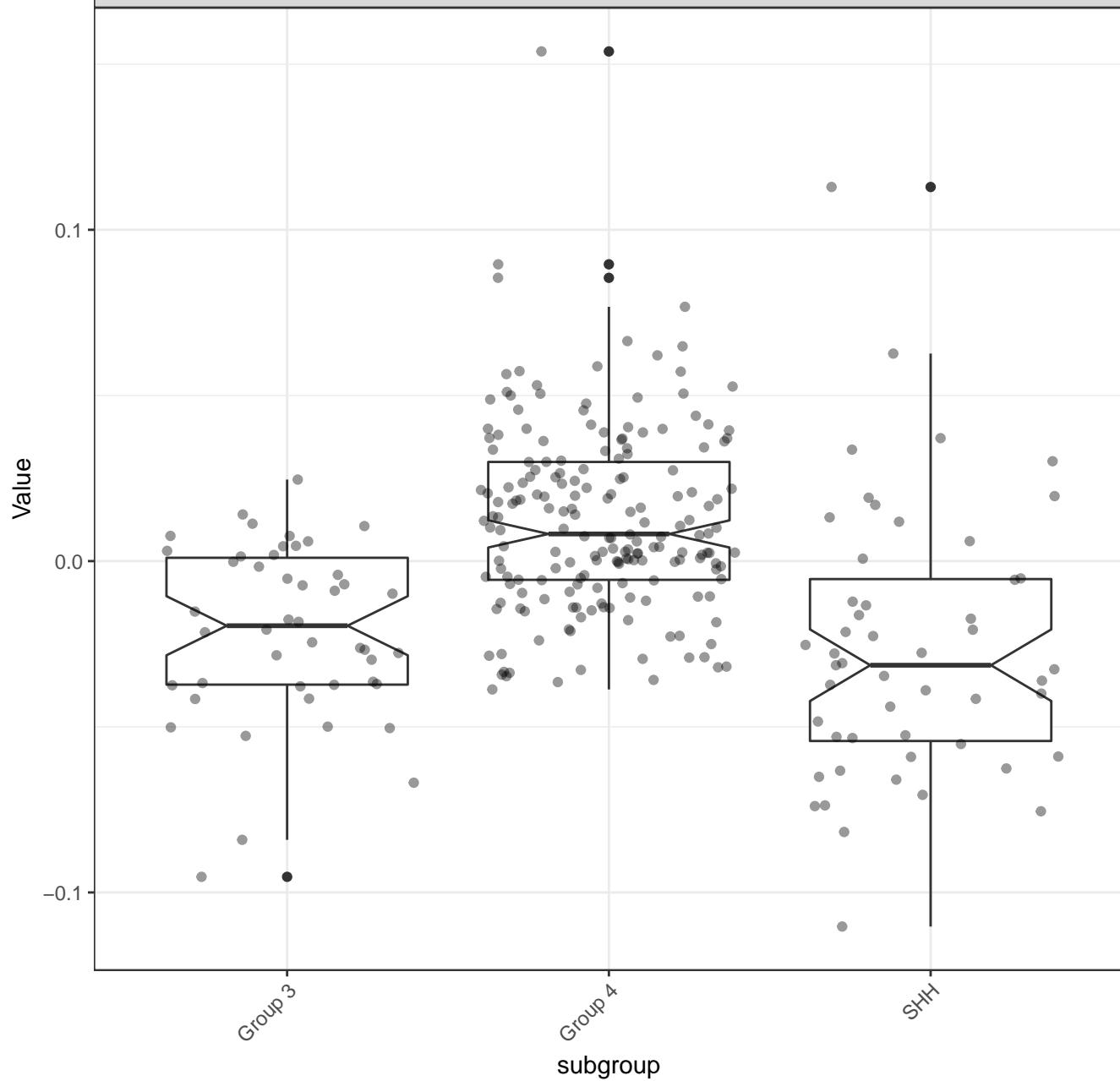
LV 392



LV 393



LV 394



LV 395

Value

0.1

0.0

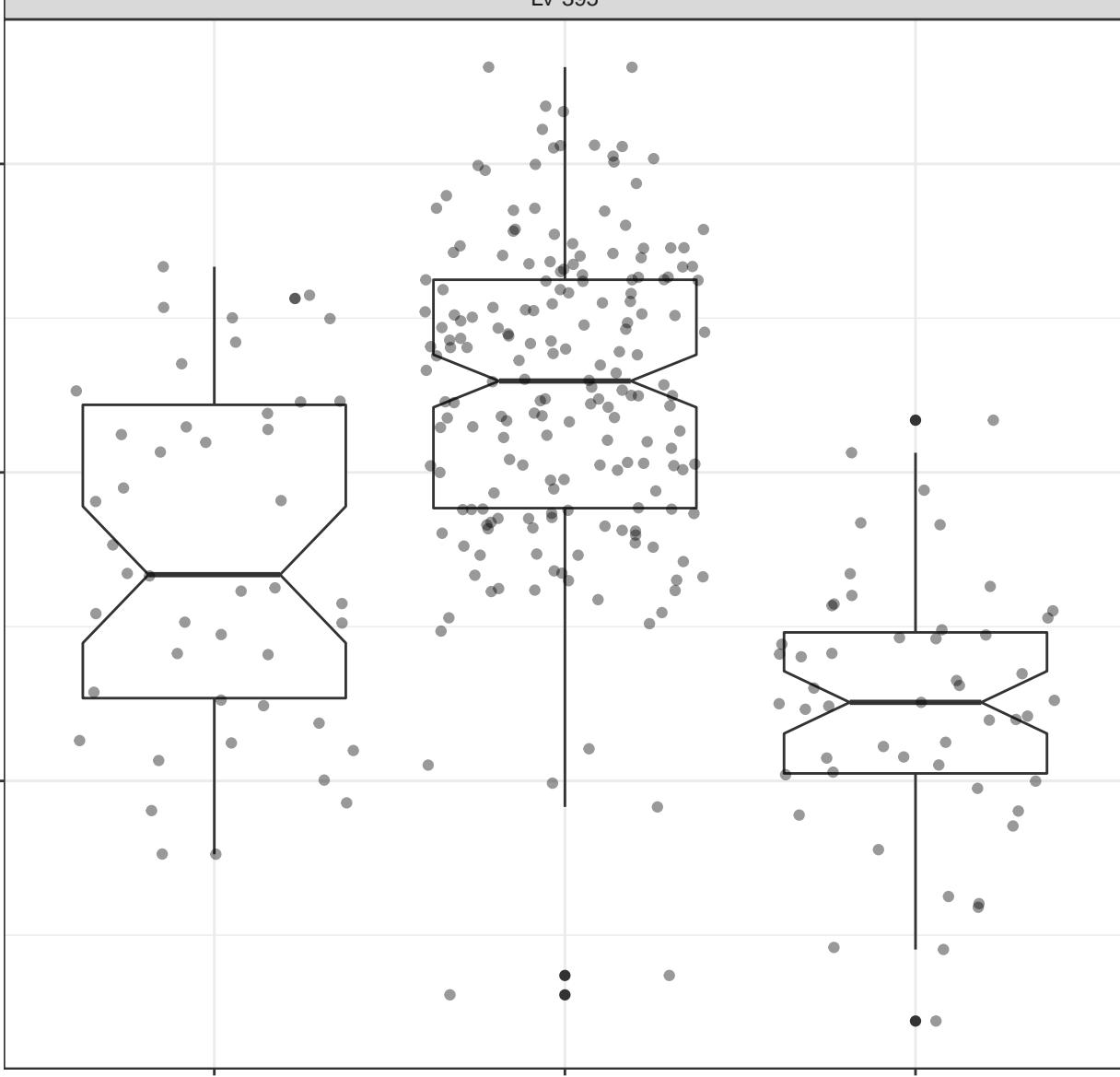
-0.1

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

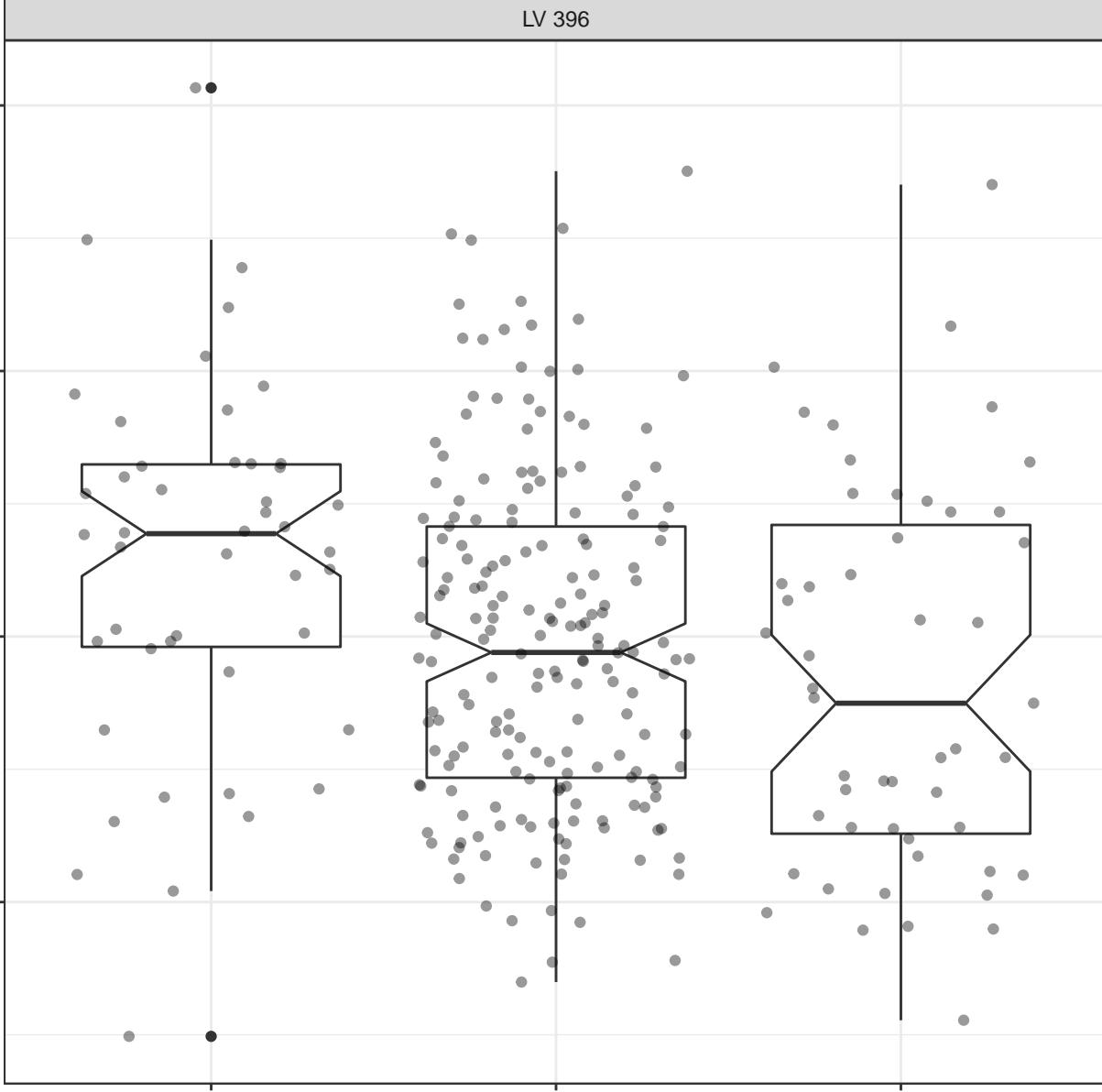
-0.05

Group 3

subgroup

Group 4

SHH



LV 397

Value

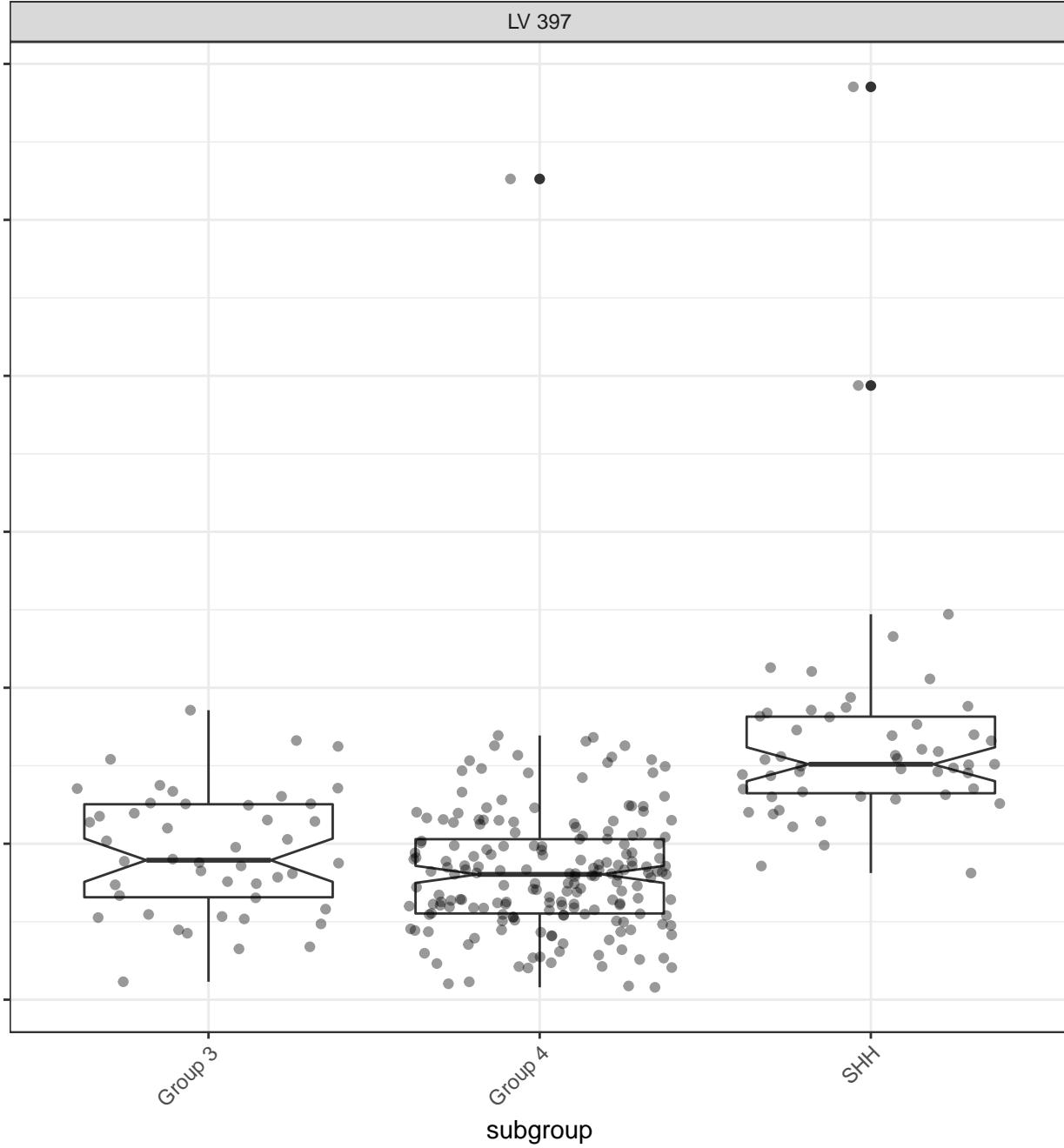
0.5
0.4
0.3
0.2
0.1
0.0
-0.1

Group 3

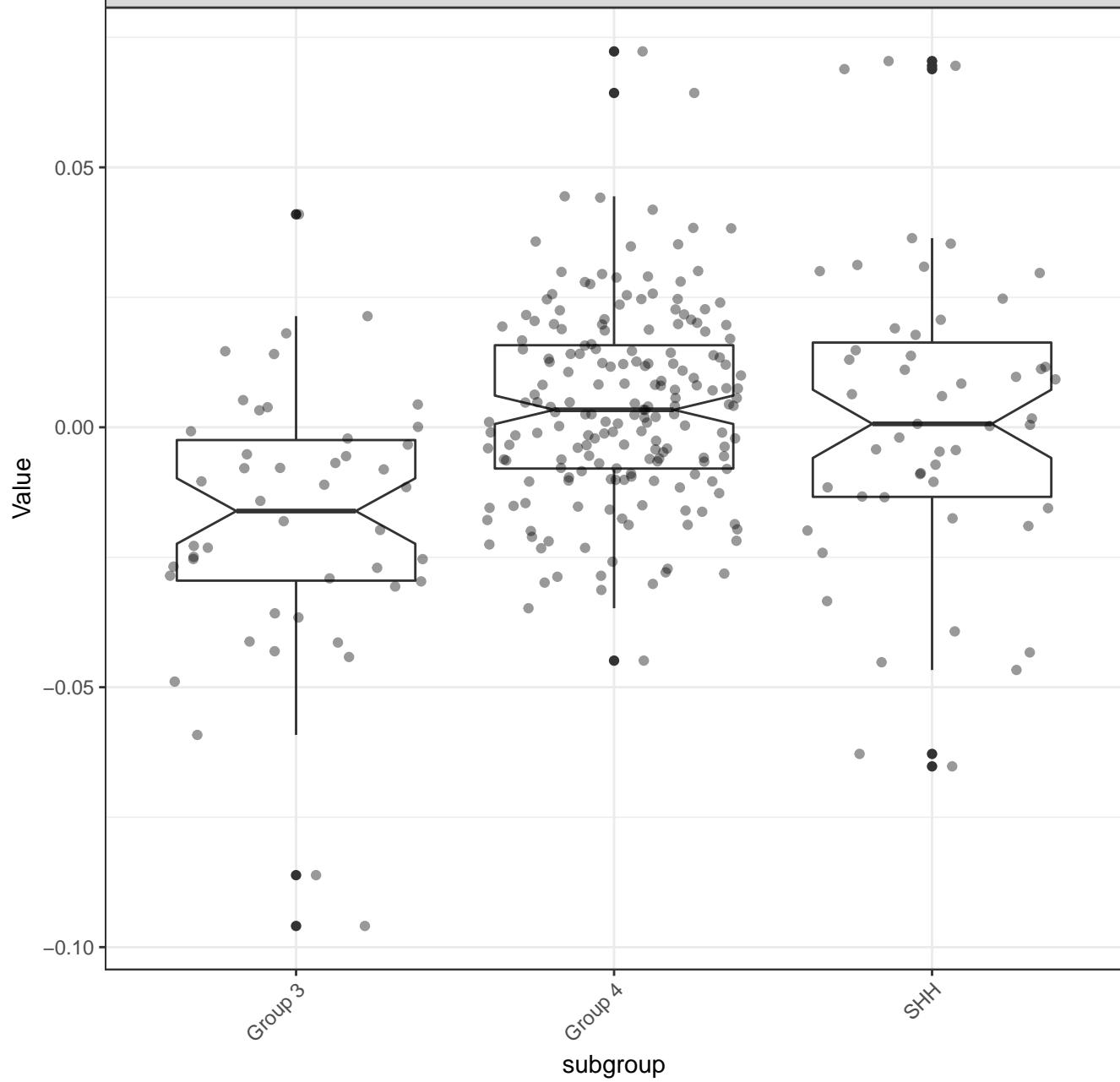
Group 4

SHH

subgroup



LV 398



LV 399

Value

0.08

0.04

0.00

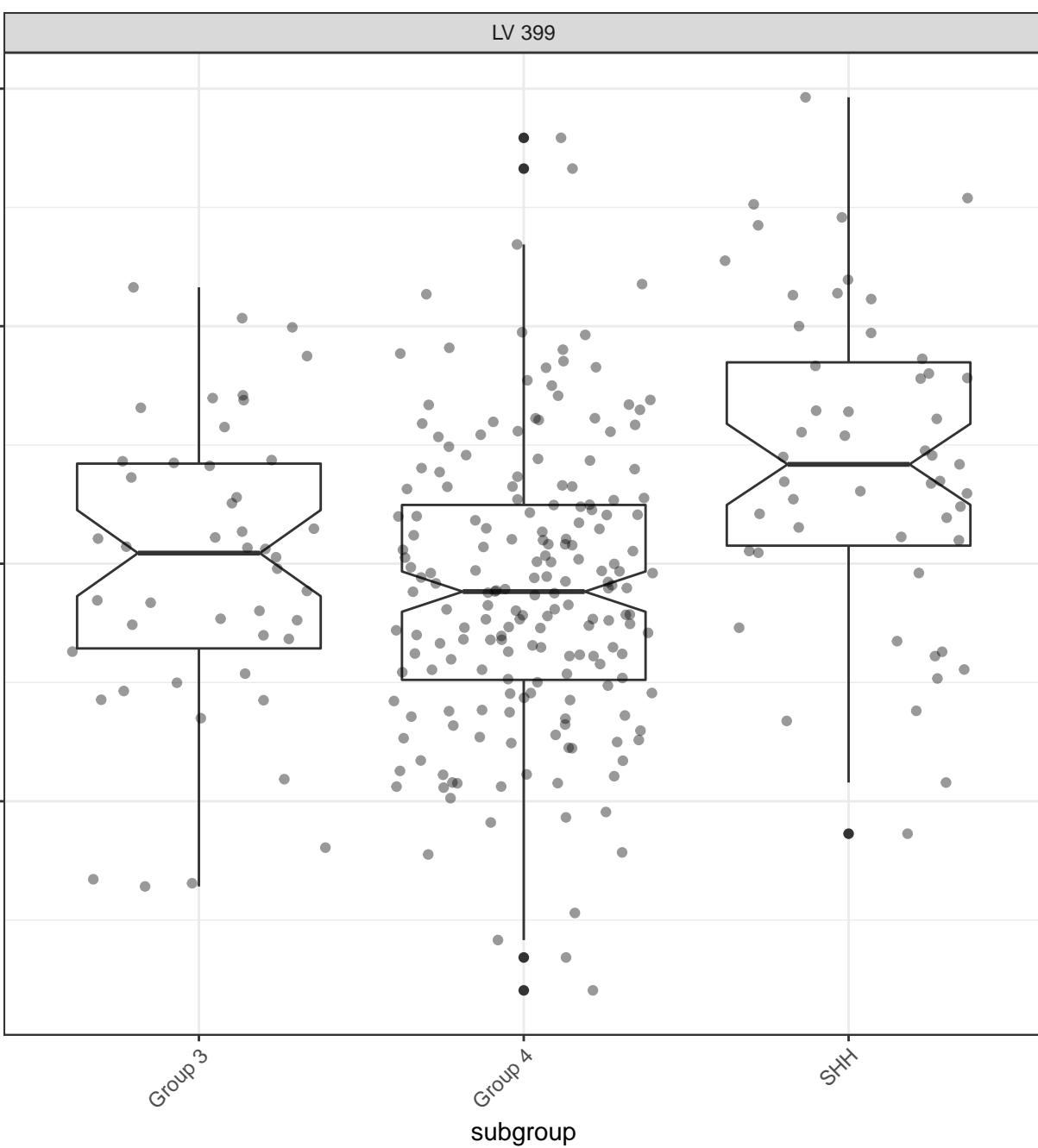
-0.04

Group 3

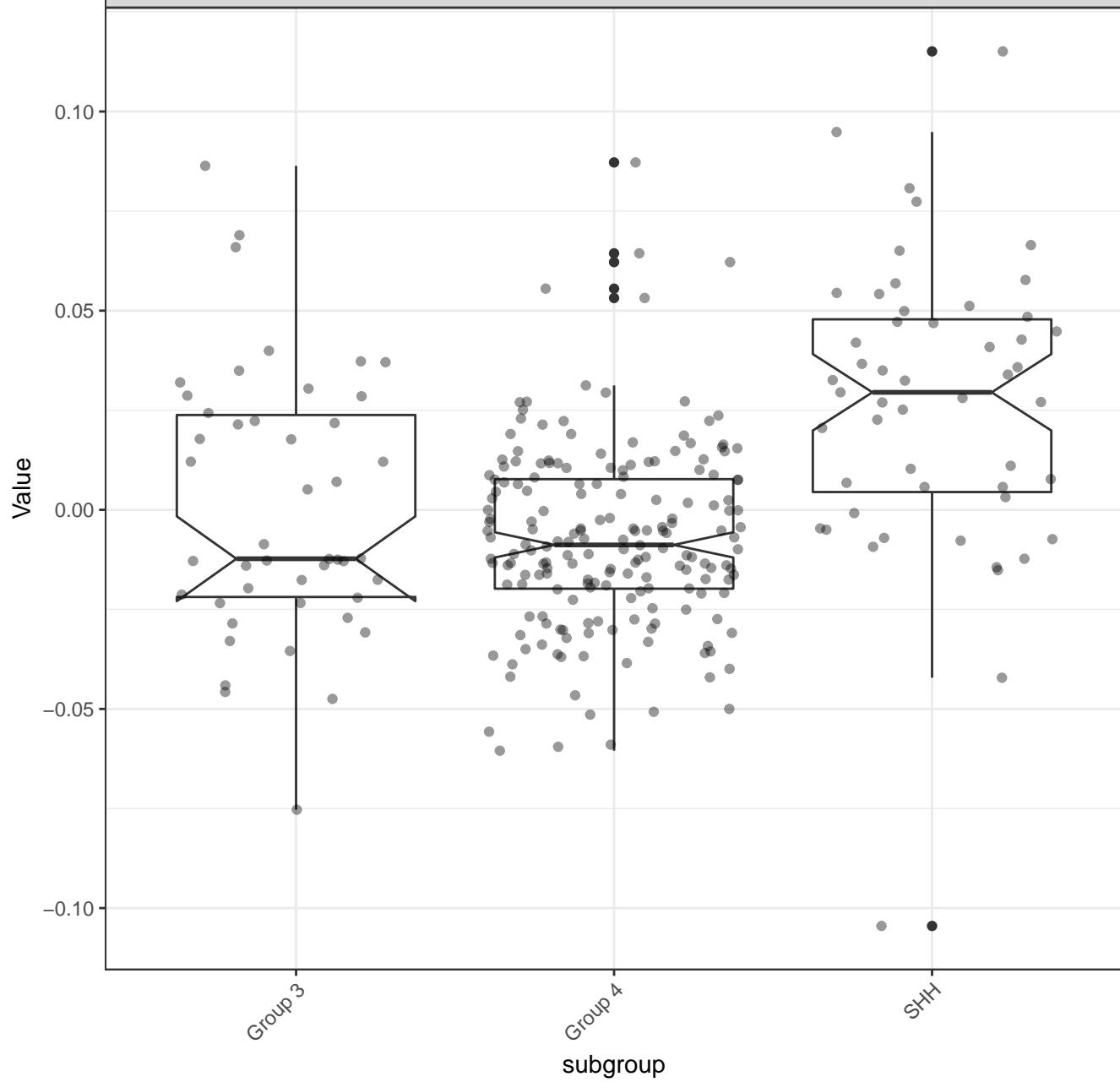
Group 4

SHH

subgroup



LV 400



LV 401

Value

0.08

0.04

0.00

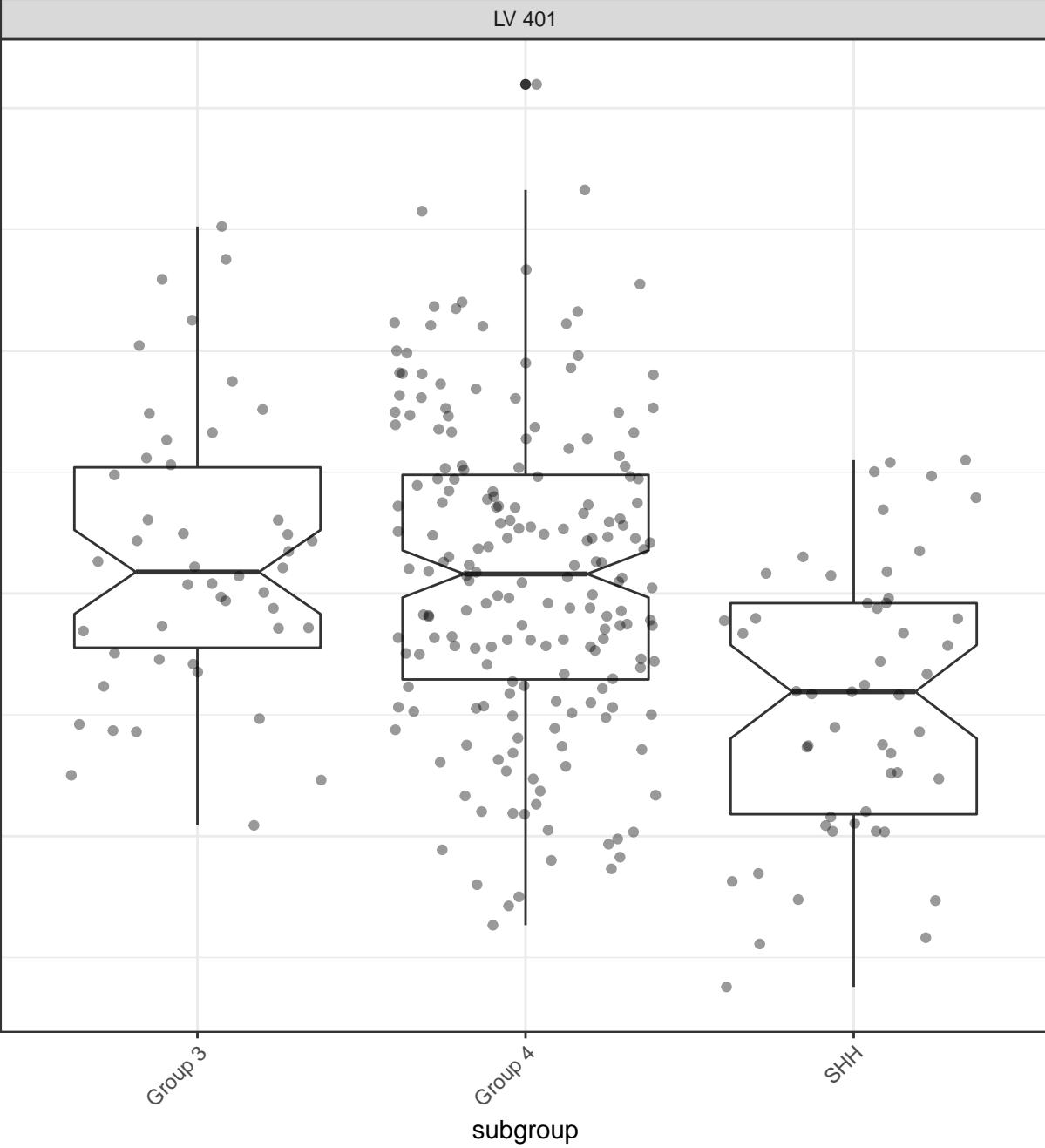
-0.04

Group 3

Group 4

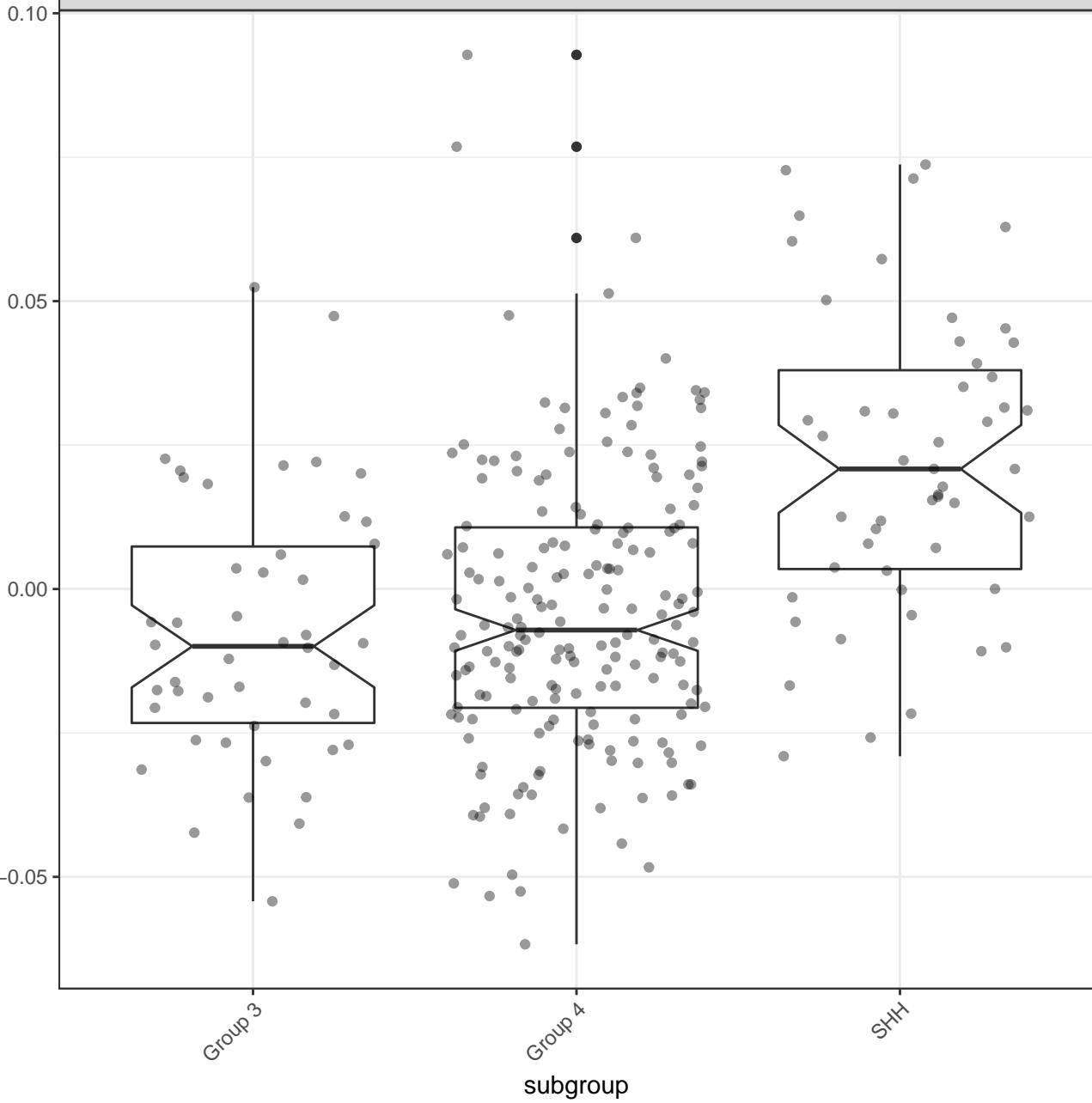
SHH

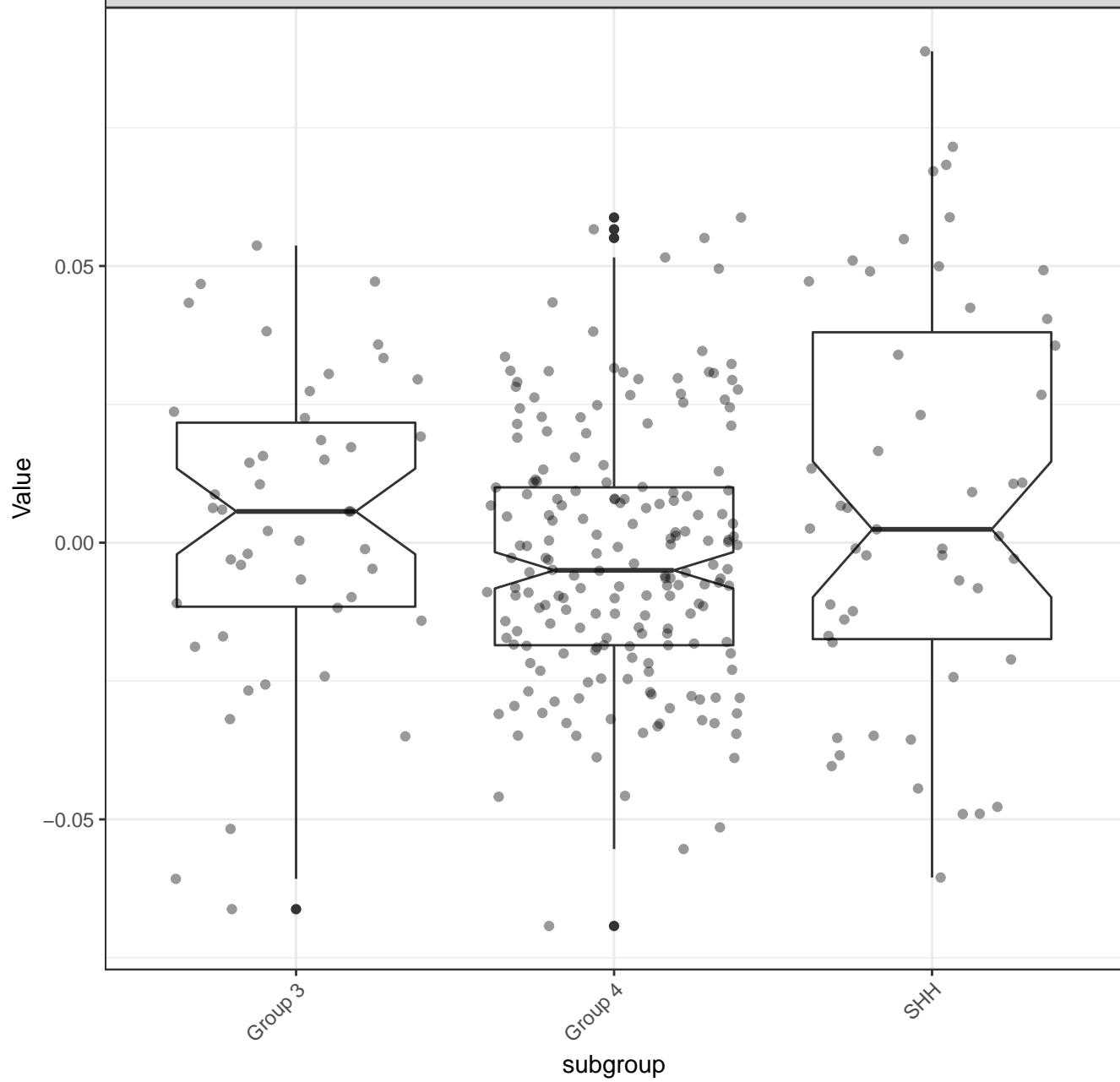
subgroup



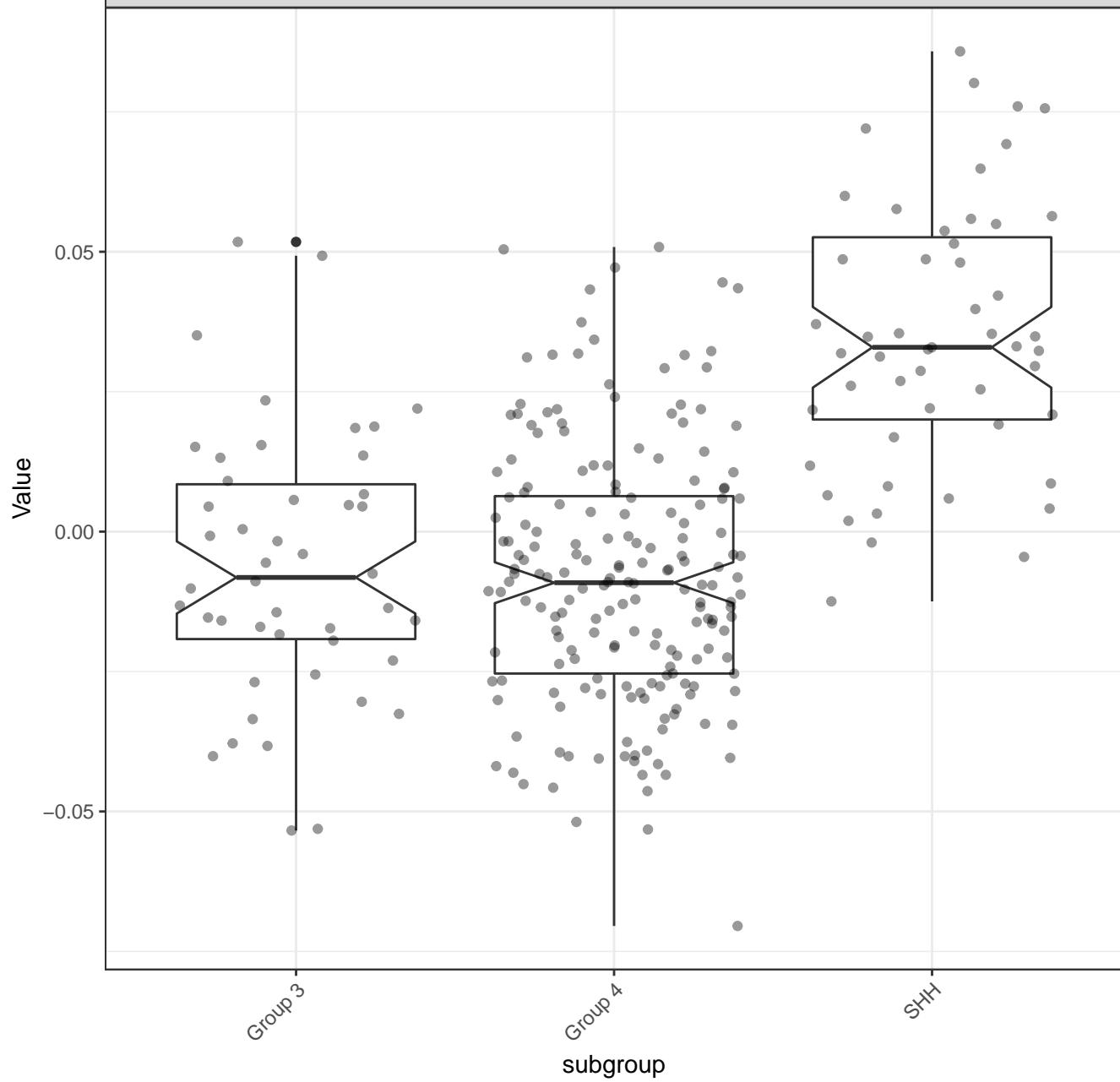
LV 402

Value



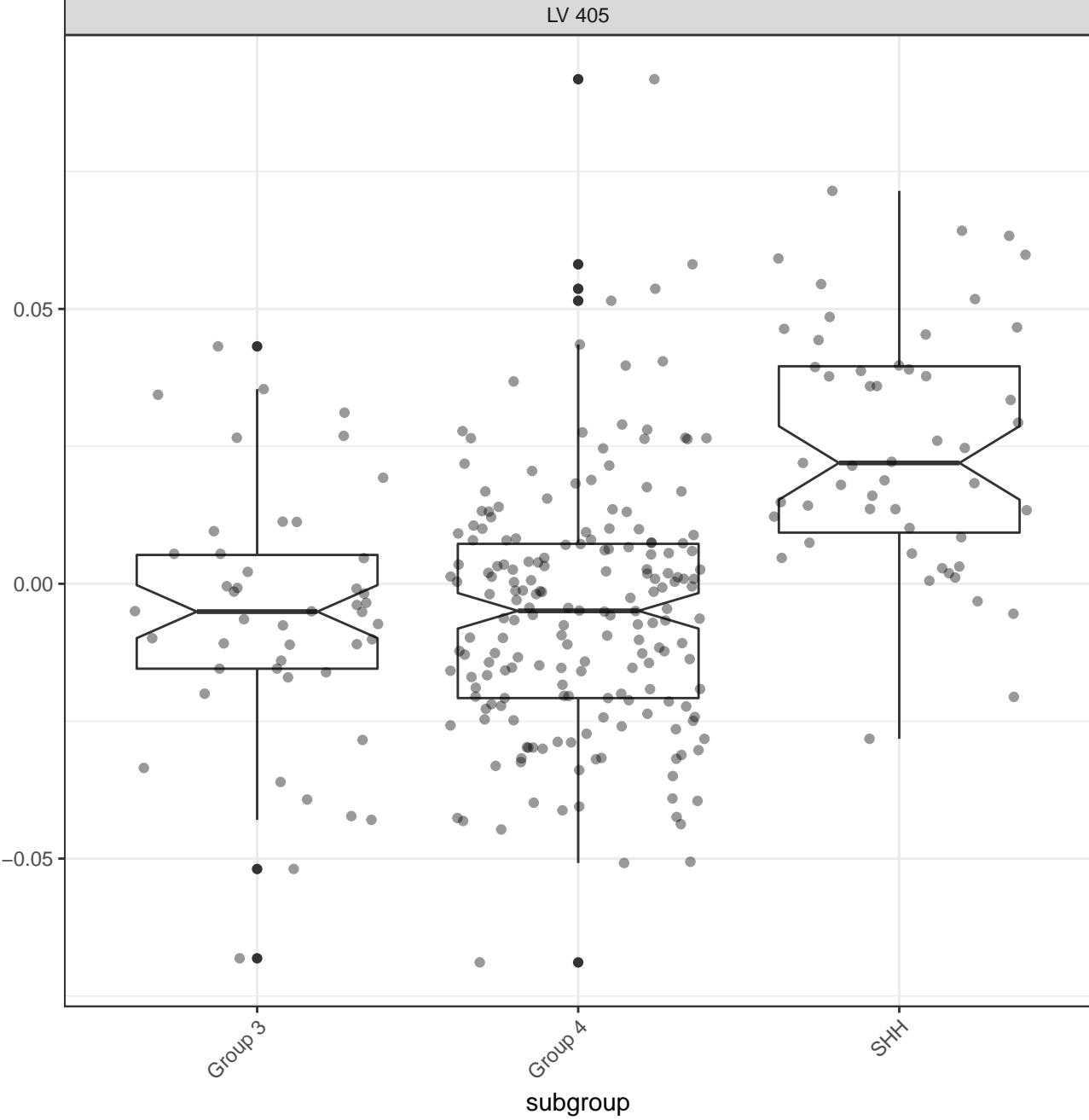


LV 404



LV 405

Value



LV 406

Value

0.10

0.05

0.00

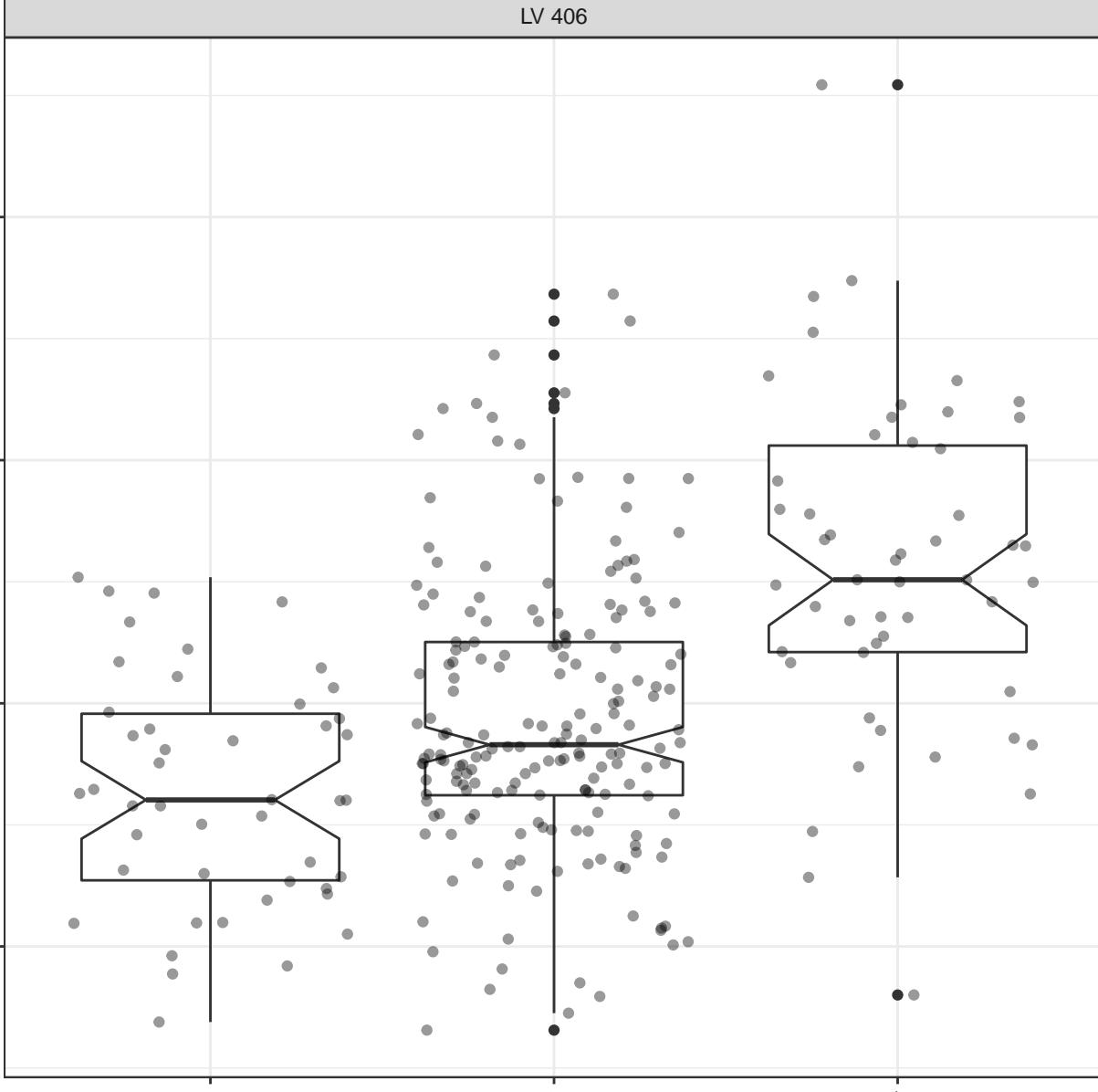
-0.05

Group 3

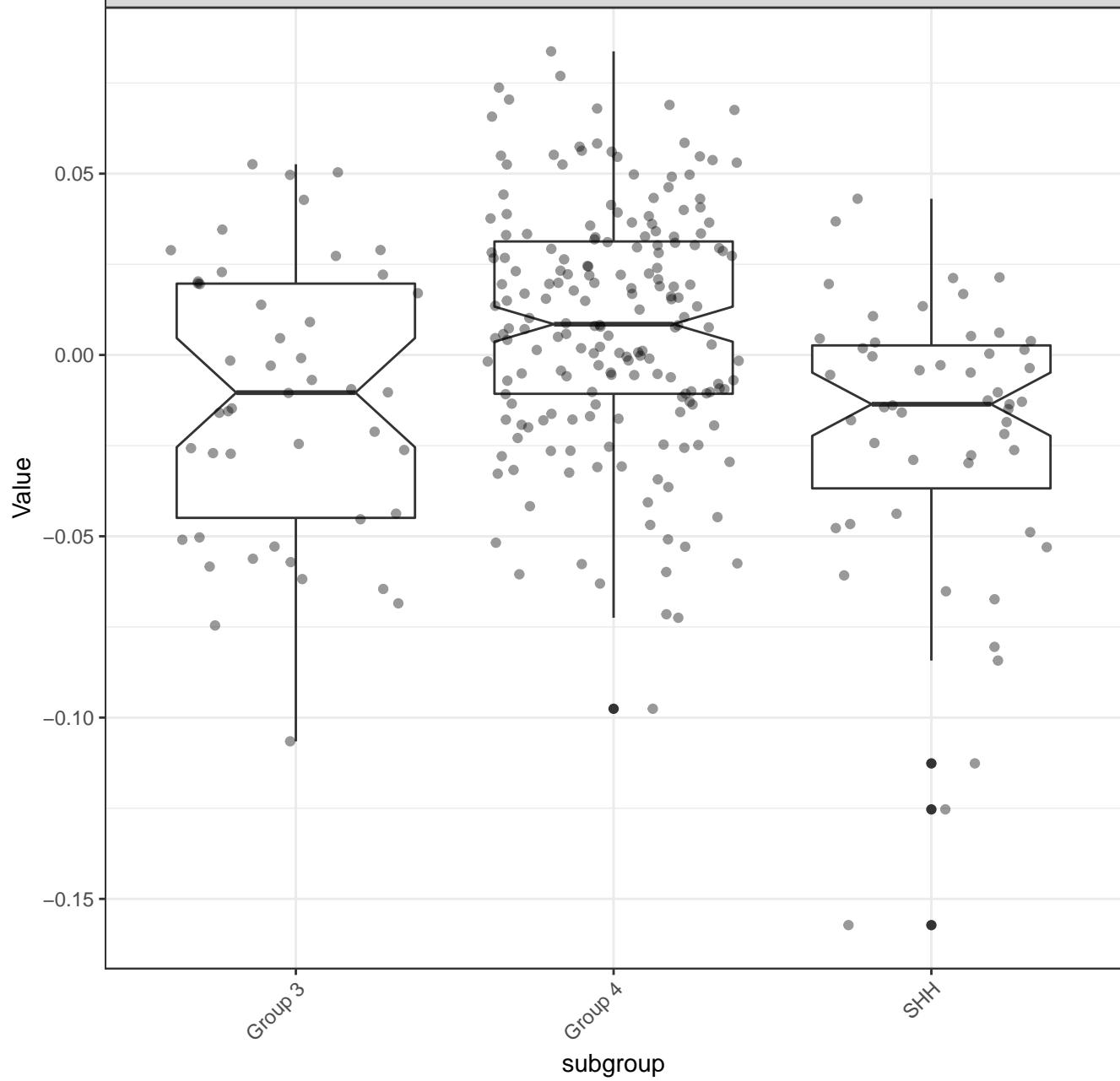
subgroup

Group 4

SHH



LV 407



LV 408

Value

0.05

0.00

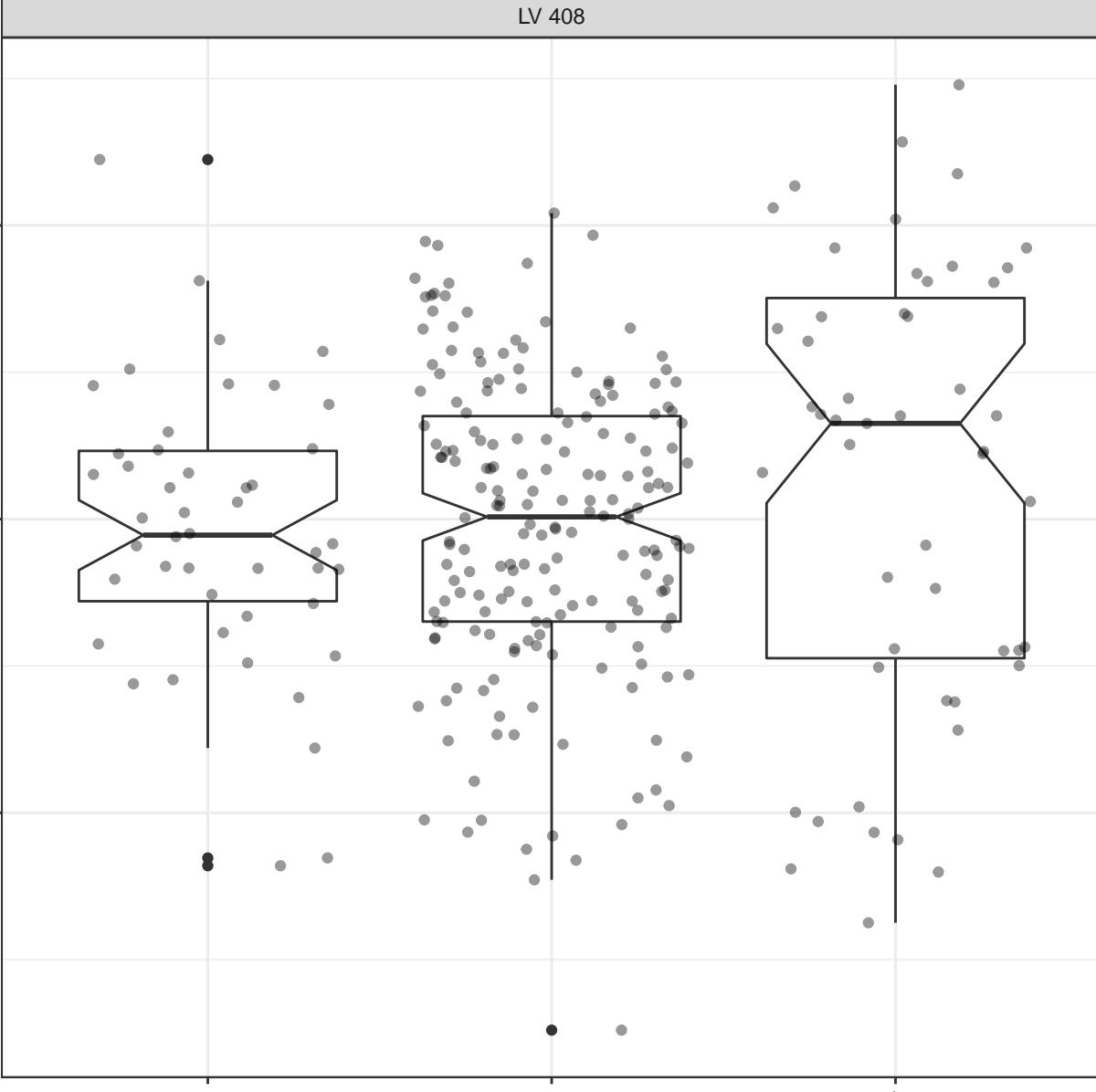
-0.05

Group 3

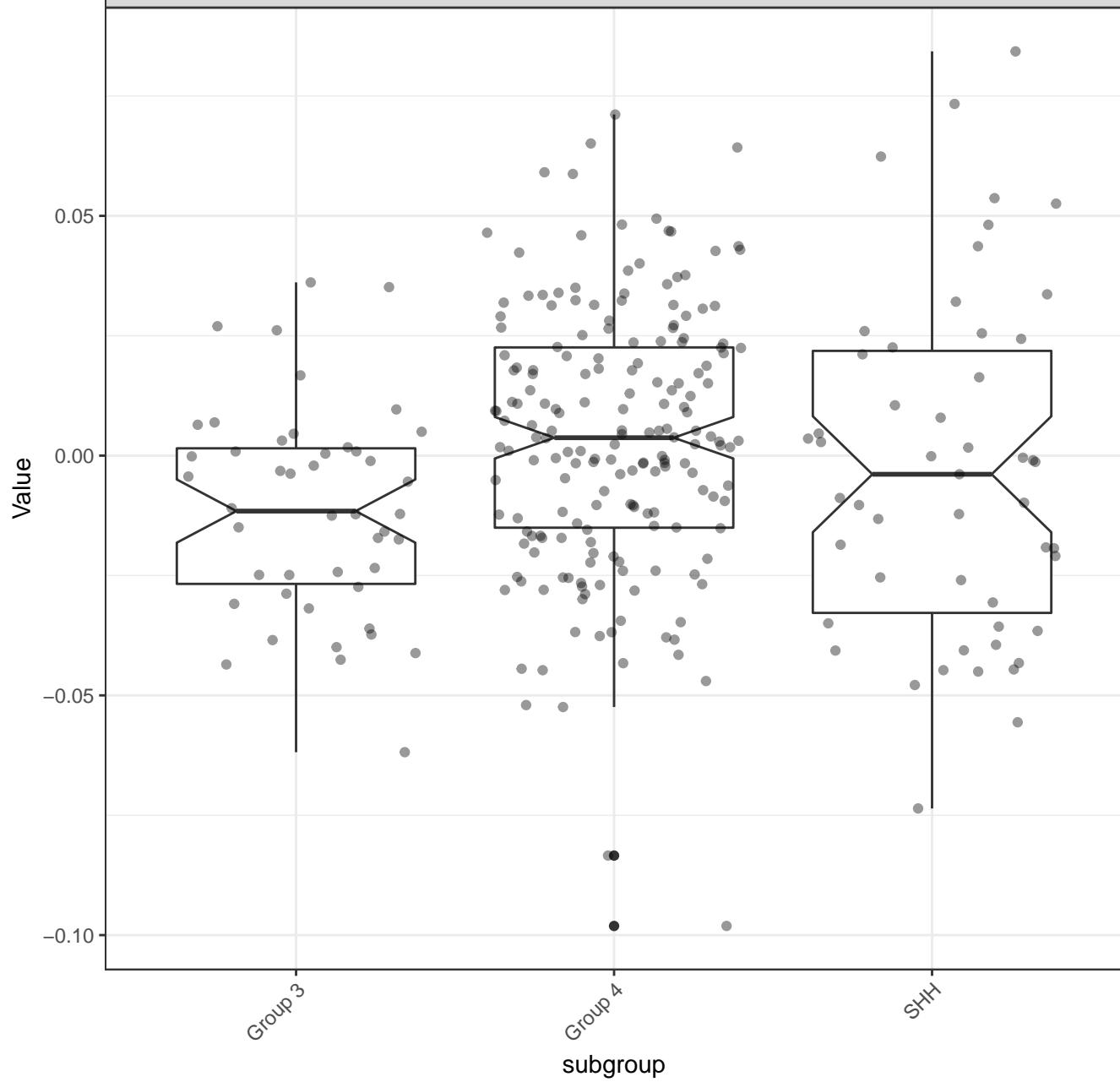
subgroup

Group 4

SHH



LV 409



LV 410

Value

0.08

0.04

0.00

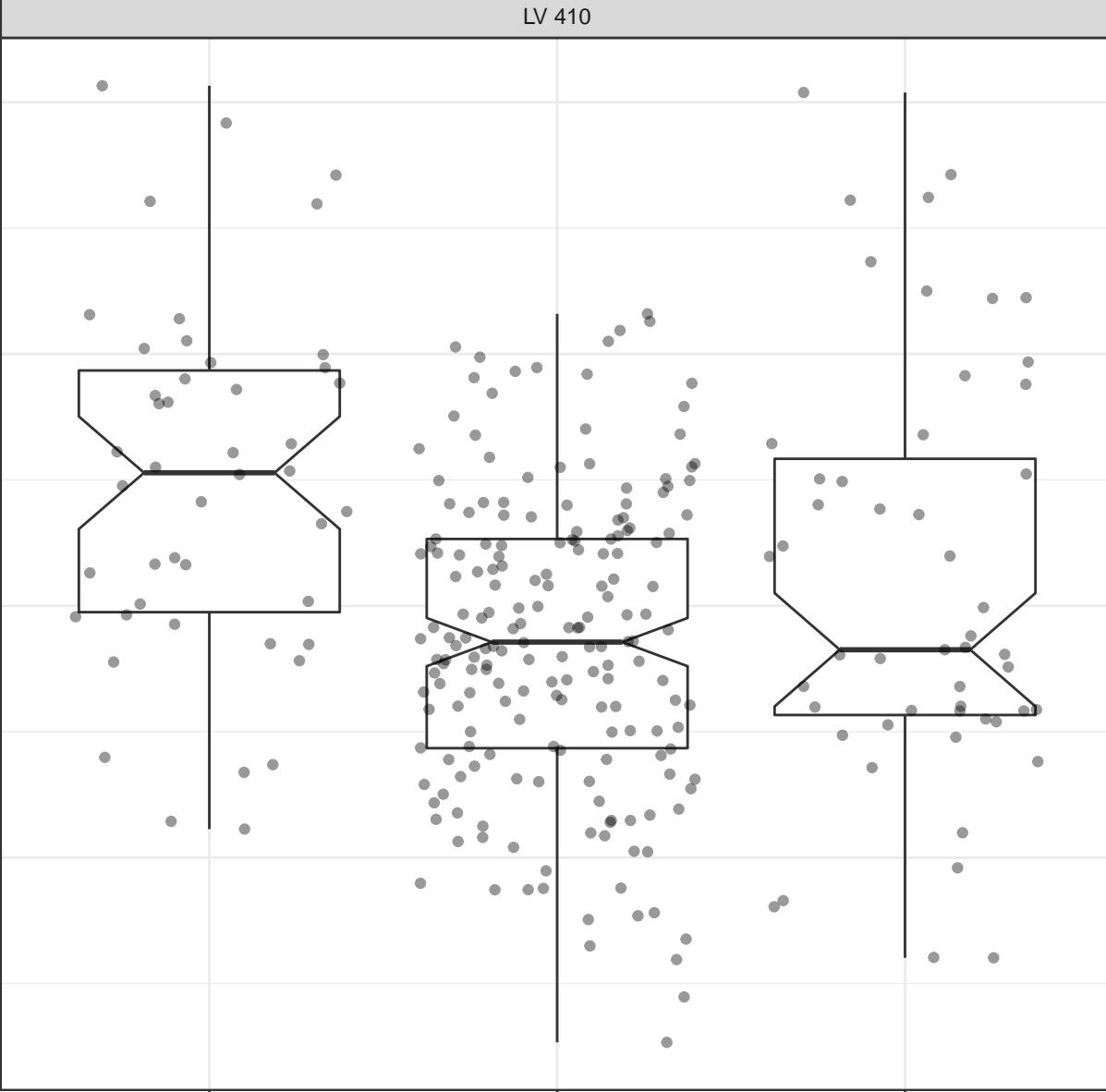
-0.04

Group 3

subgroup

Group 4

SHH



LV 411

Value

0.10

0.05

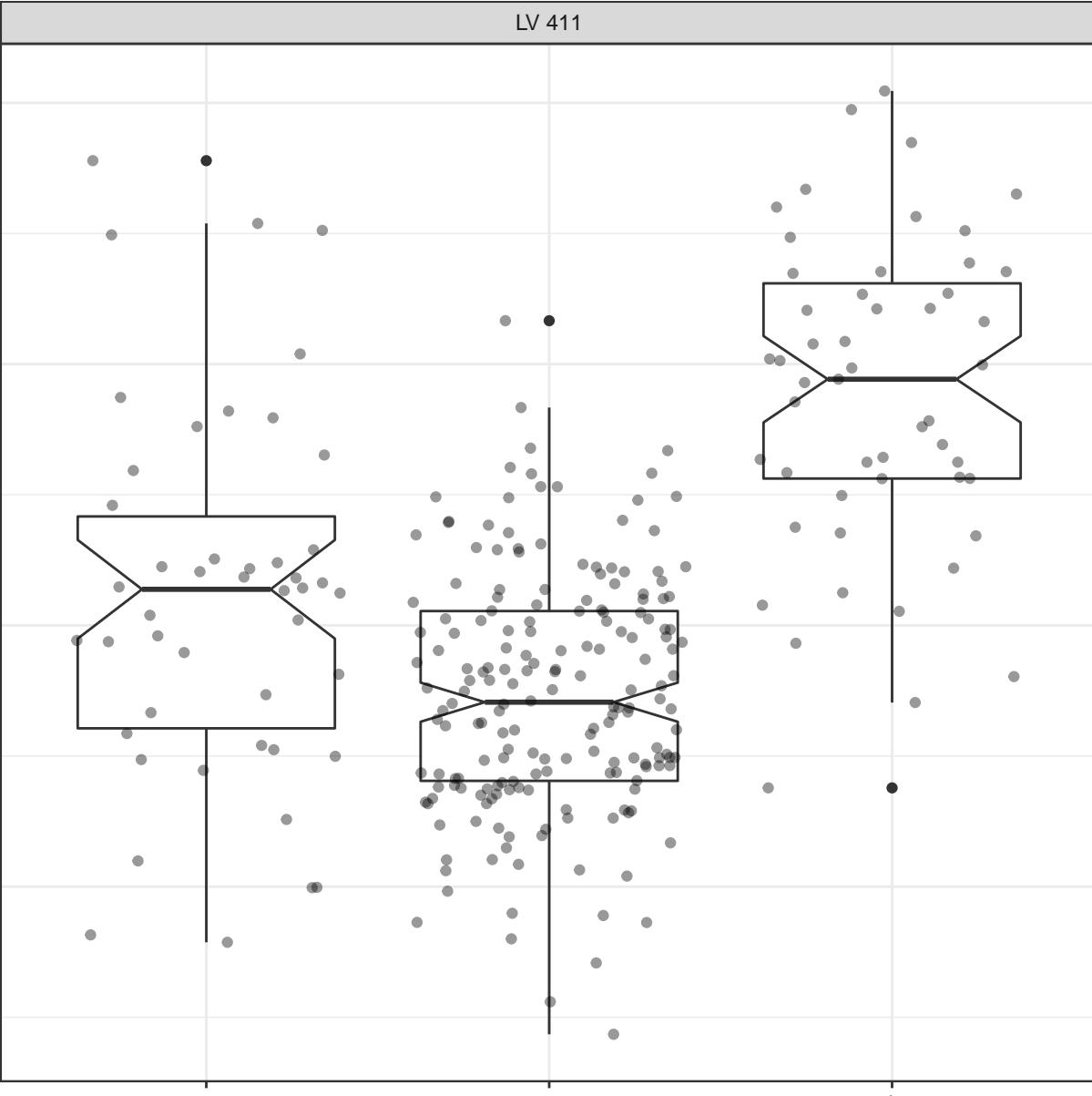
0.00

-0.05

Group 3

subgroup

SHH



LV 412

Value

0.05

0.00

-0.05

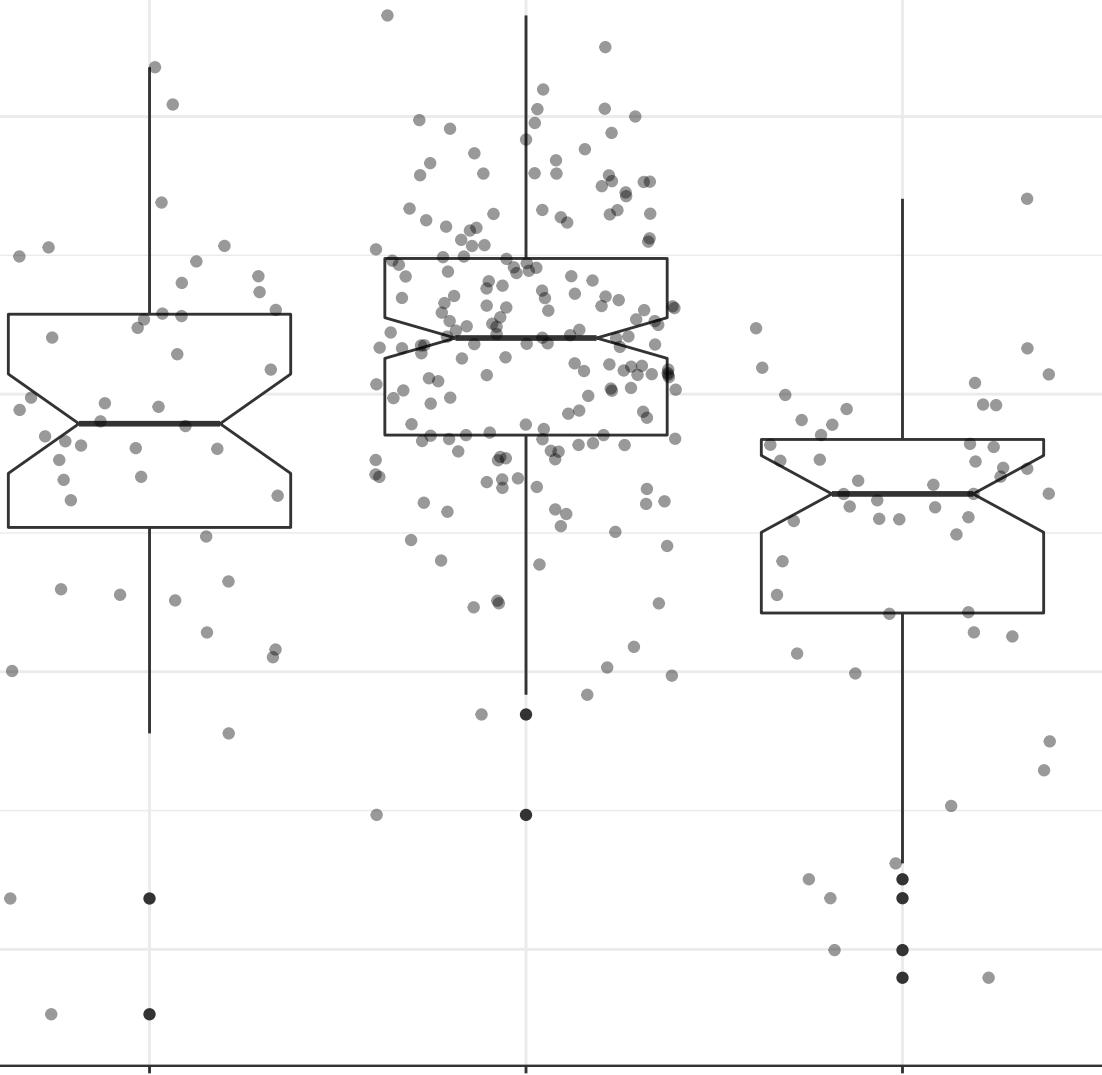
-0.10

Group 3

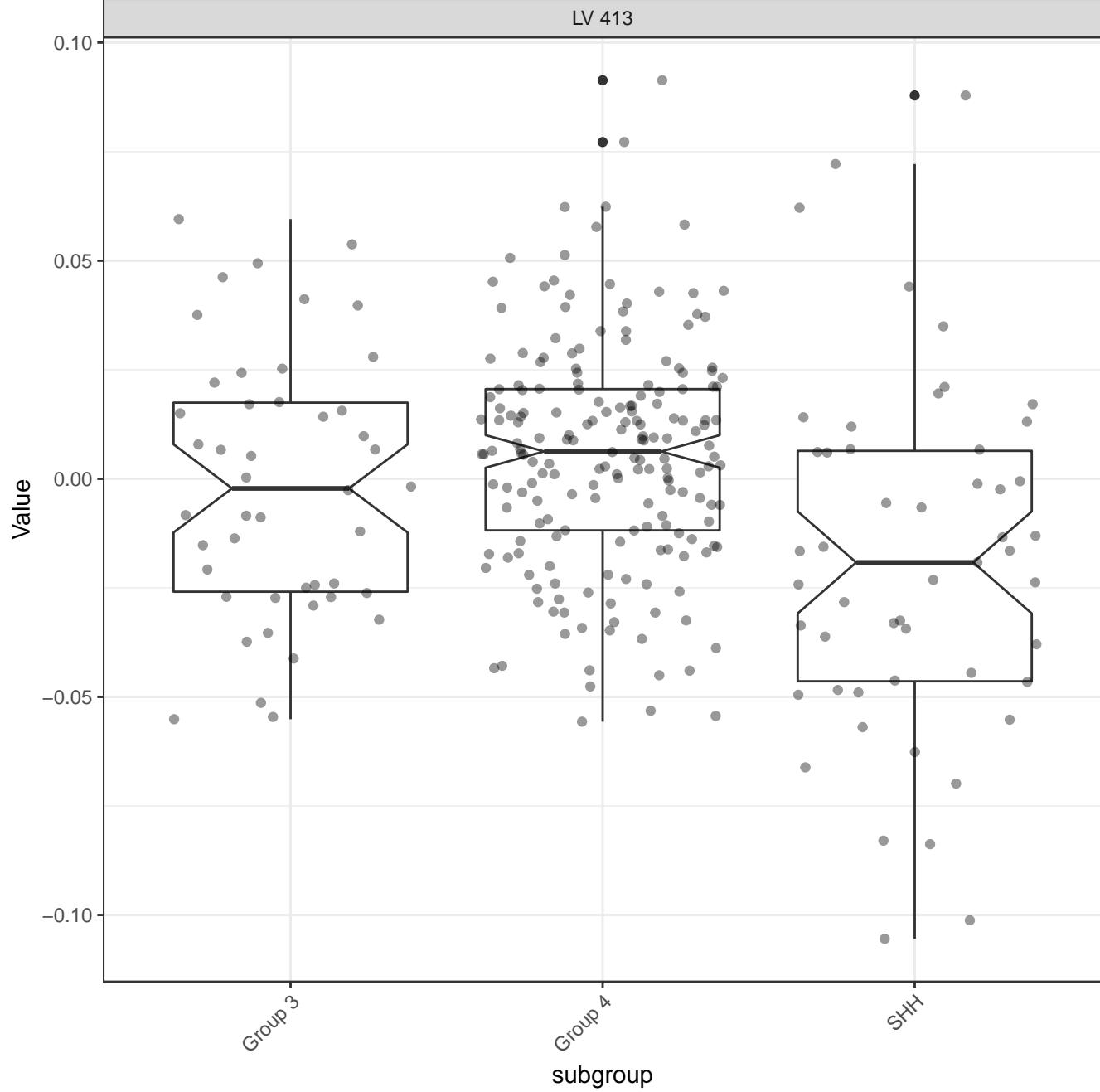
subgroup

Group 4

SHH



LV 413



LV 414

Value

0.10

0.05

0.00

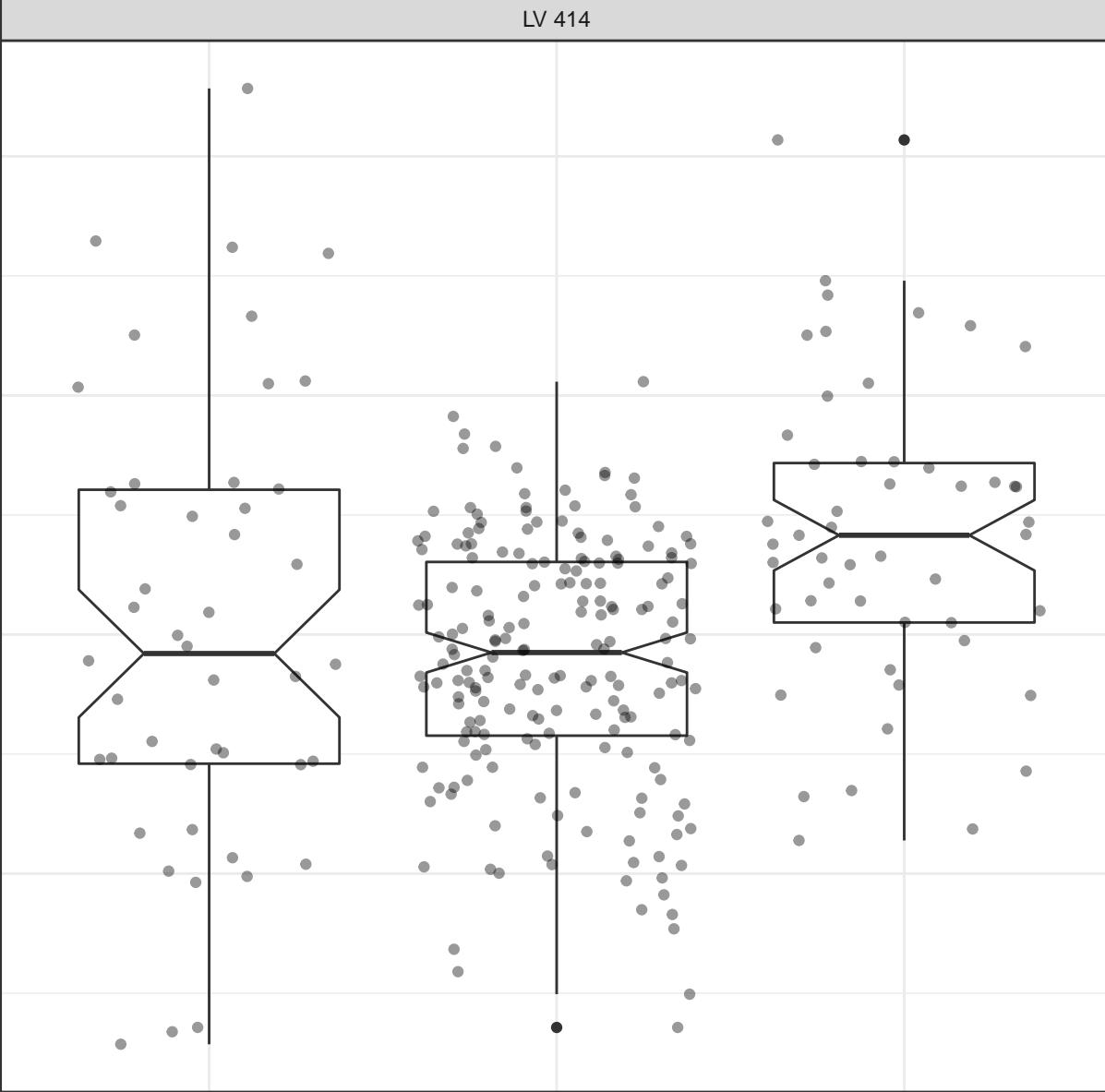
-0.05

Group 3

subgroup

Group 4

SHH



LV 415

Value

0.10

0.05

0.00

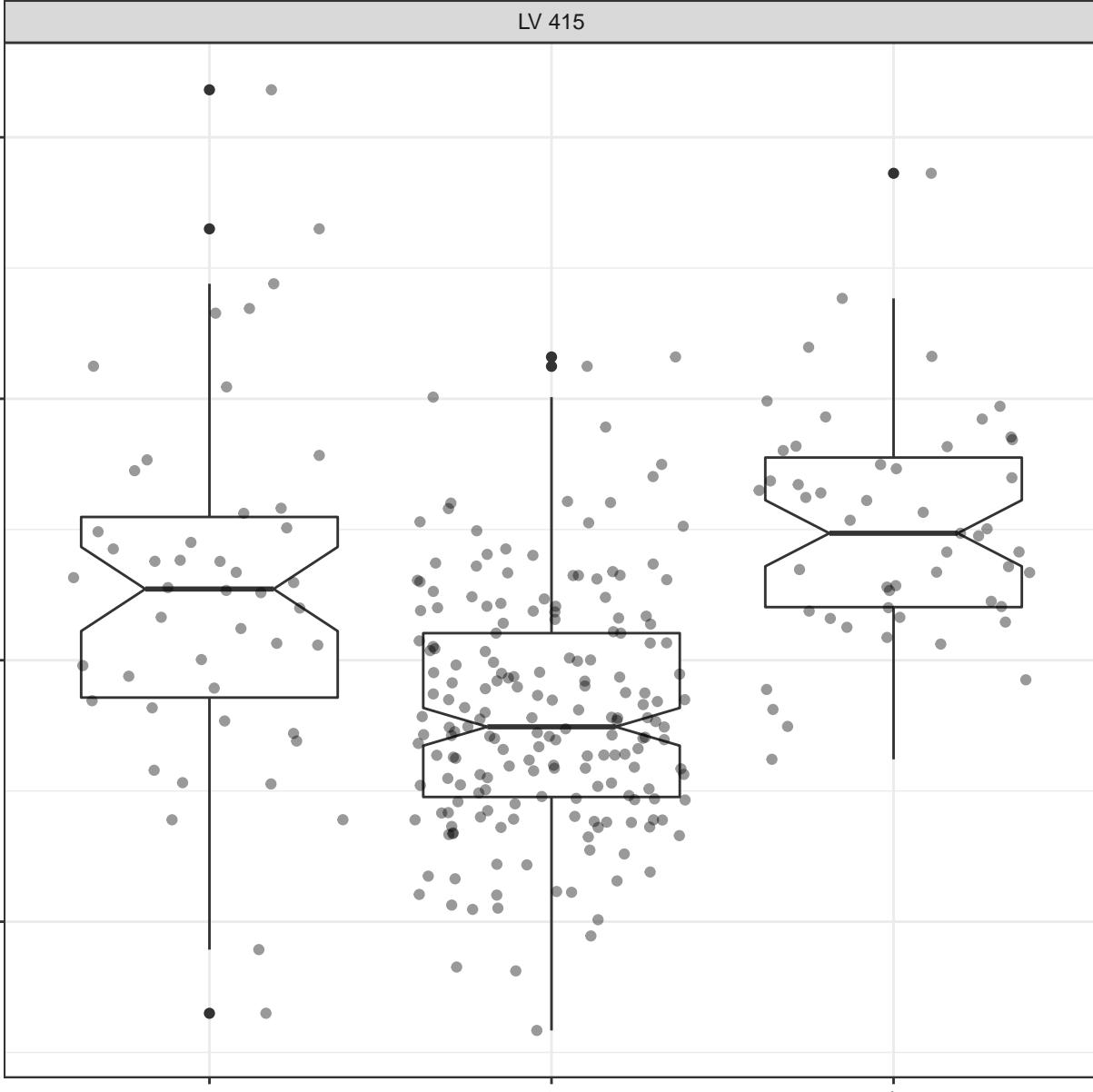
-0.05

Group 3

subgroup

Group 4

SHH



LV 416

Value

0.05

0.00

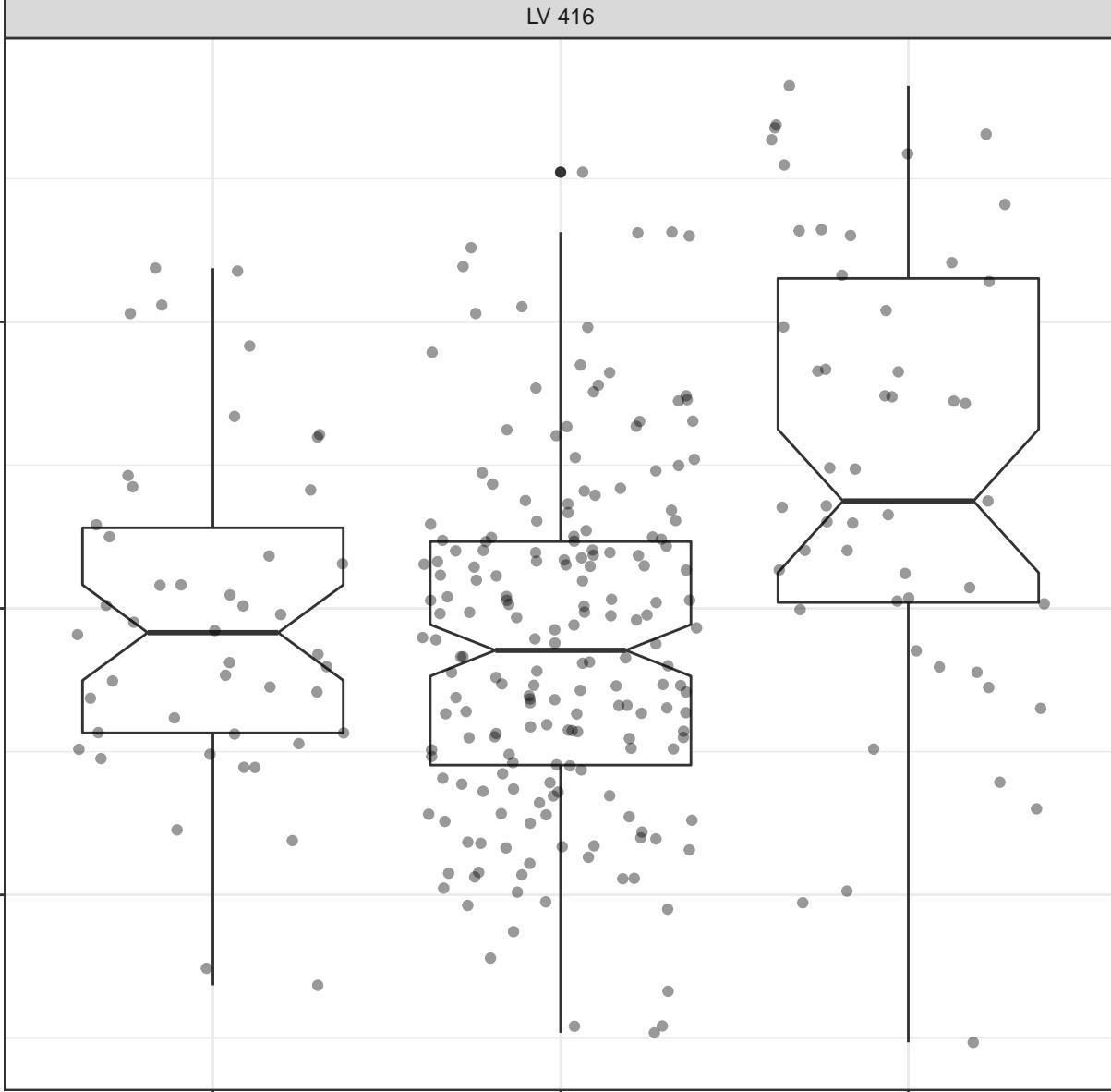
-0.05

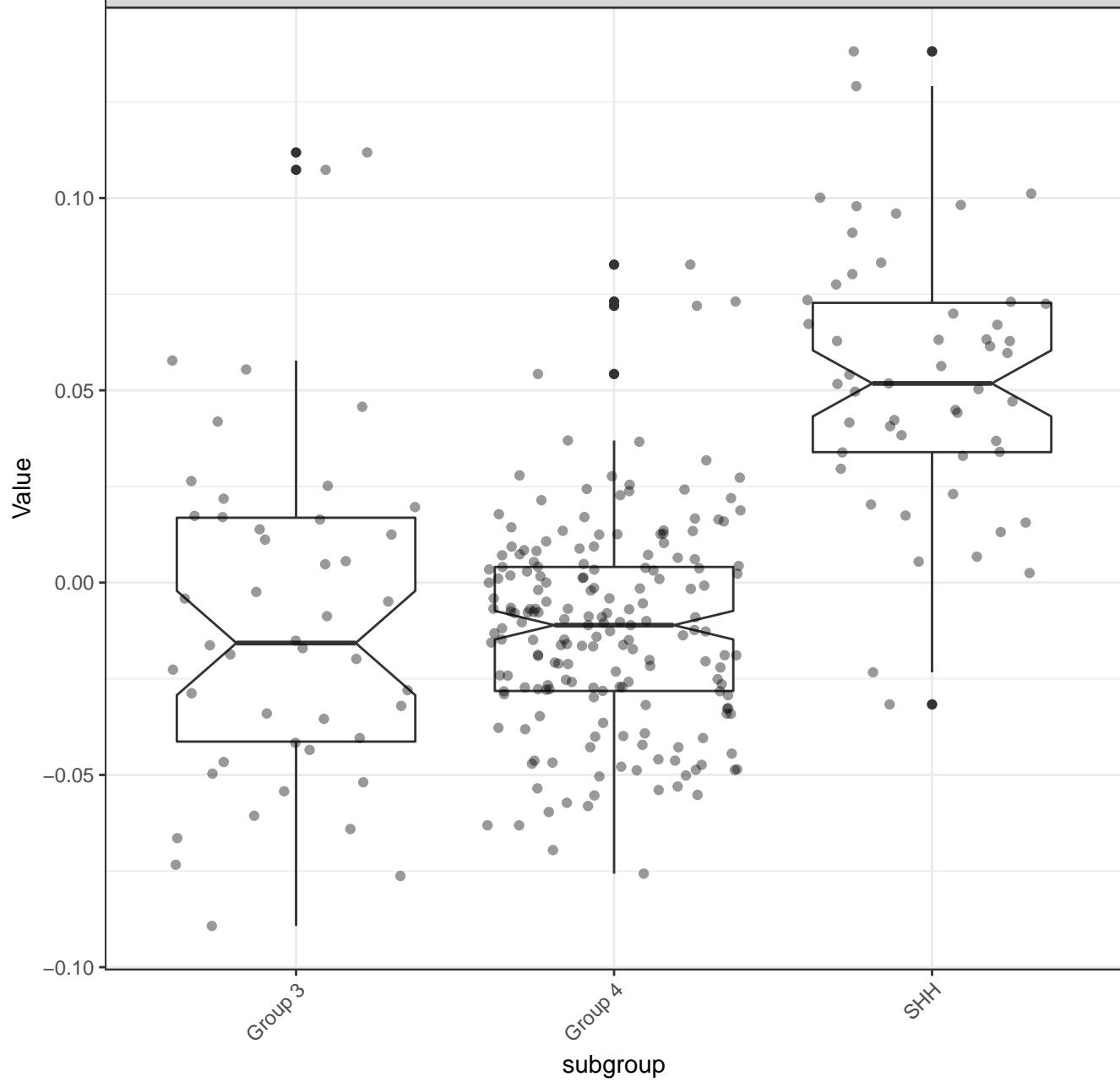
Group 3

subgroup

Group 4

SHH





Value

0.1

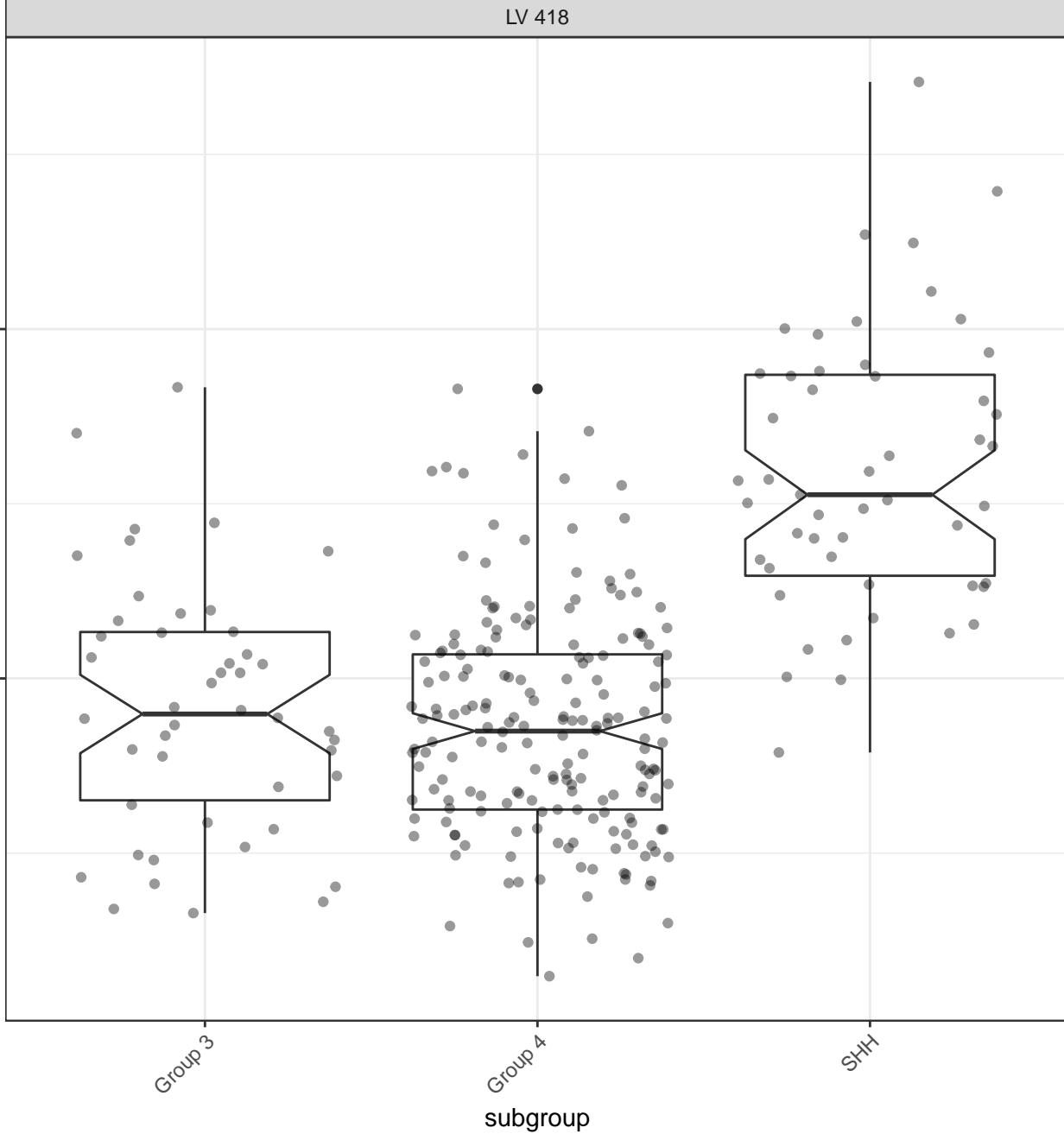
0.0

Group 3

Group 4

SHH

subgroup



Value

0.1

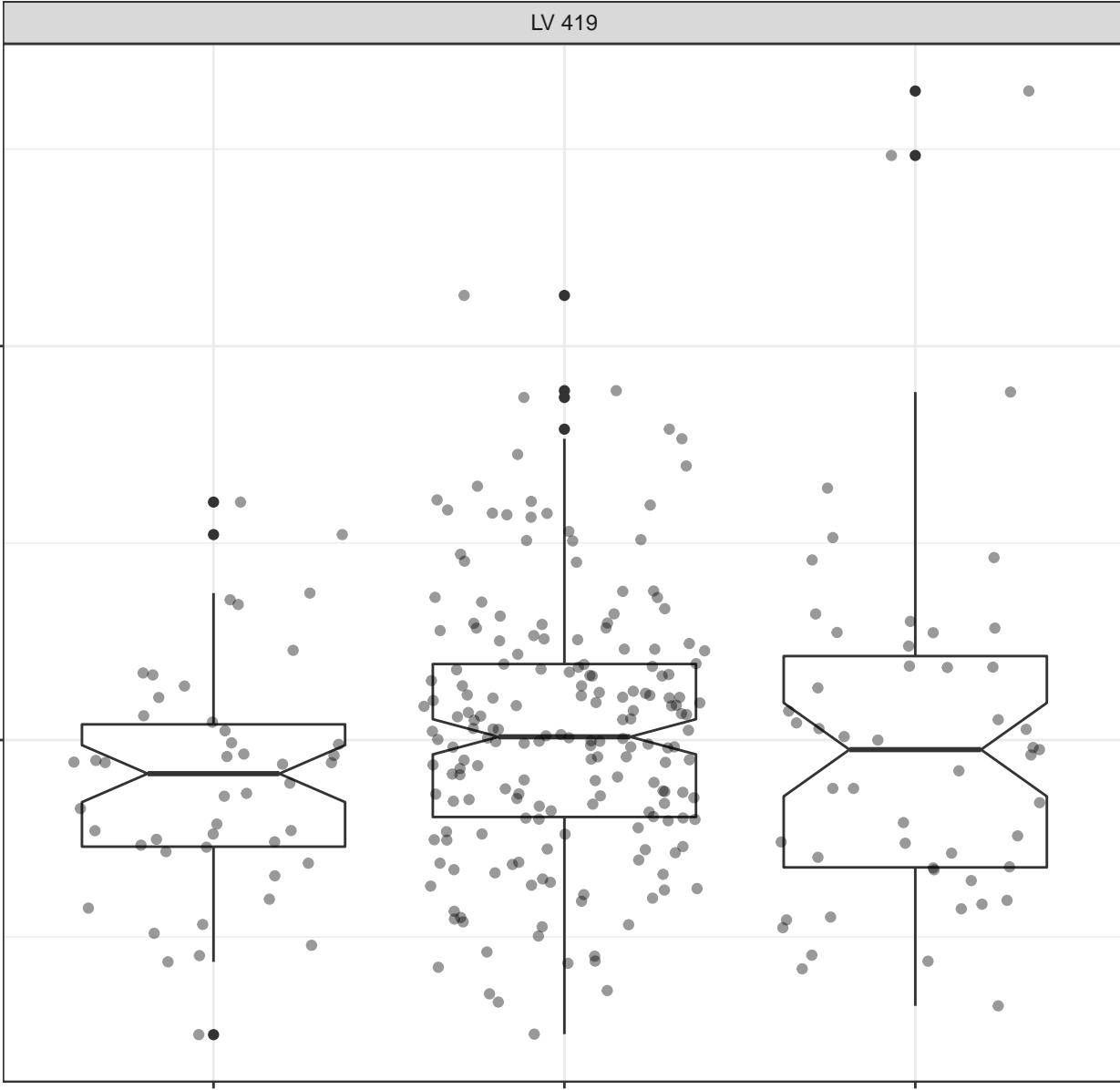
0.0

Group 3

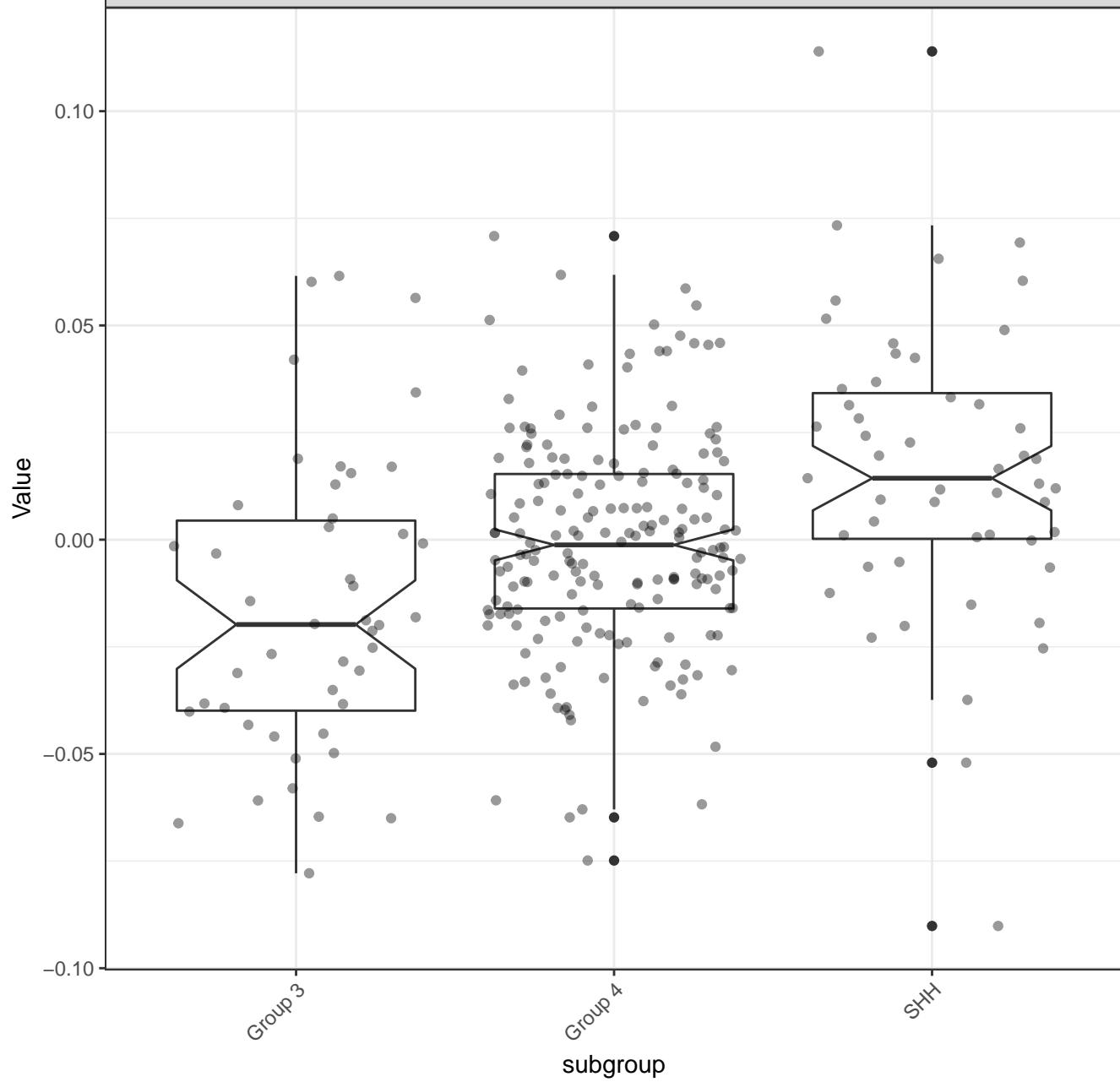
Group 4

SHH

subgroup



LV 420



LV 421

Value

0.10

0.05

0.00

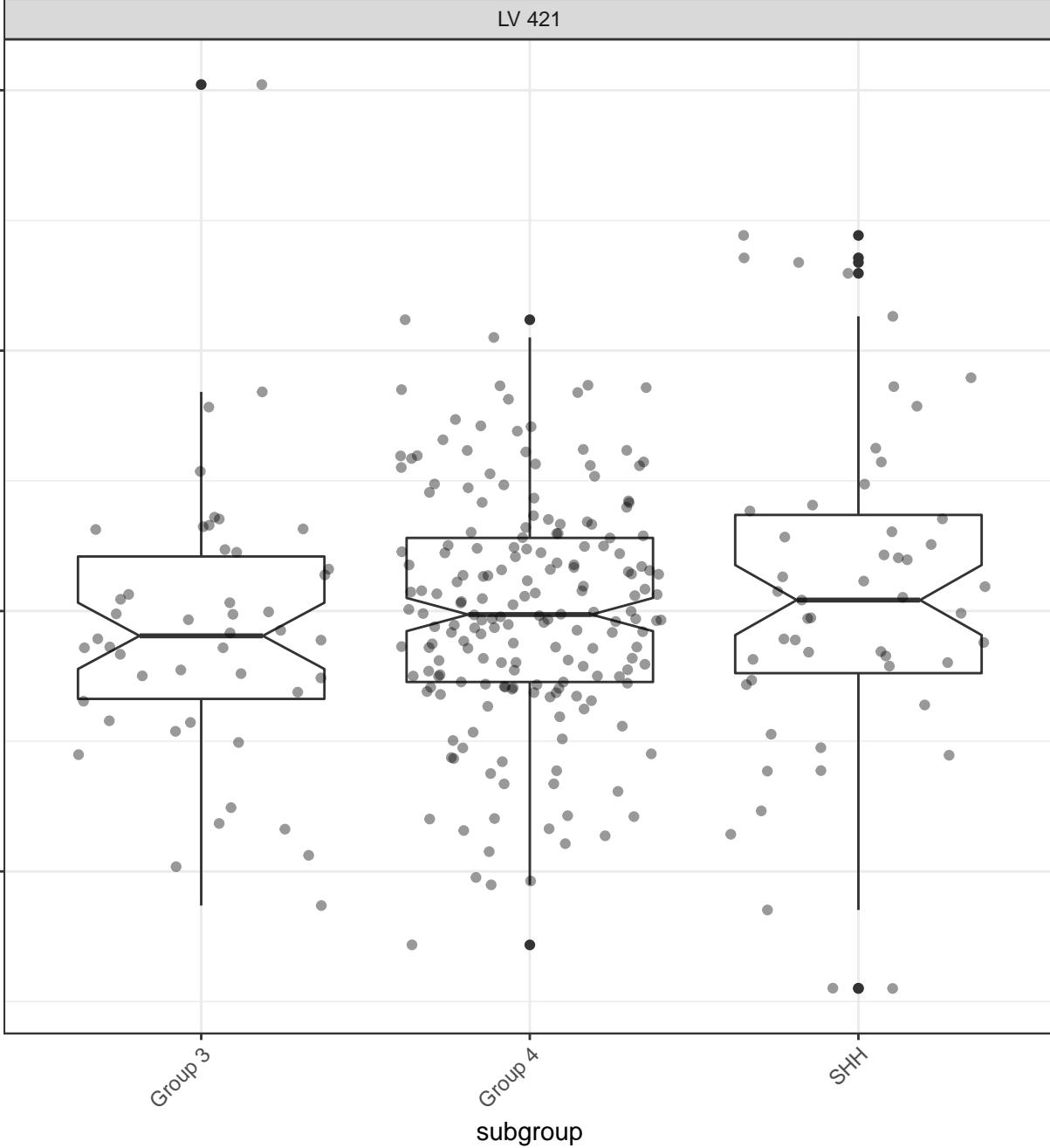
-0.05

Group 3

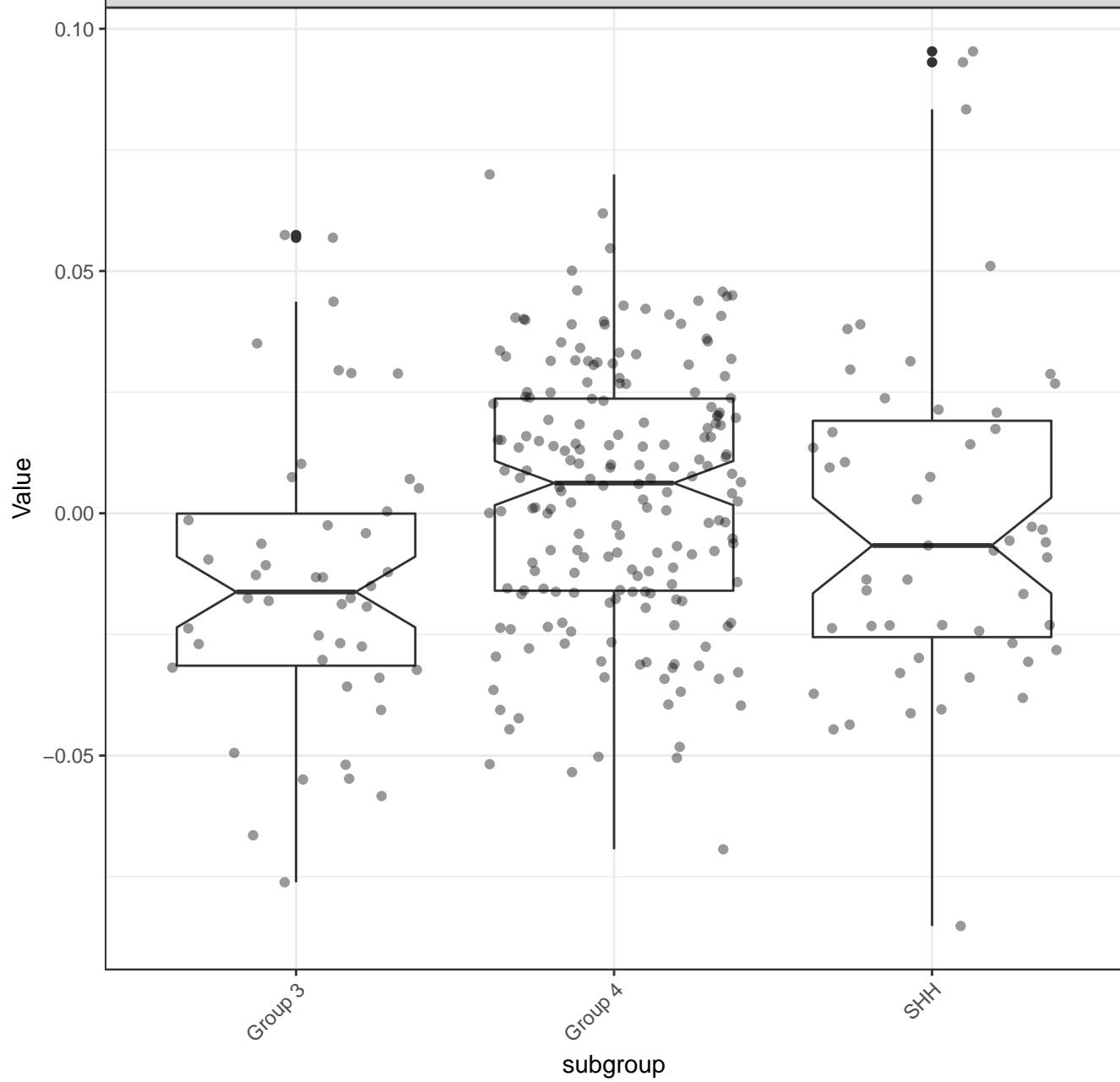
Group 4

SHH

subgroup



LV 422



Value

0.08

0.04

0.00

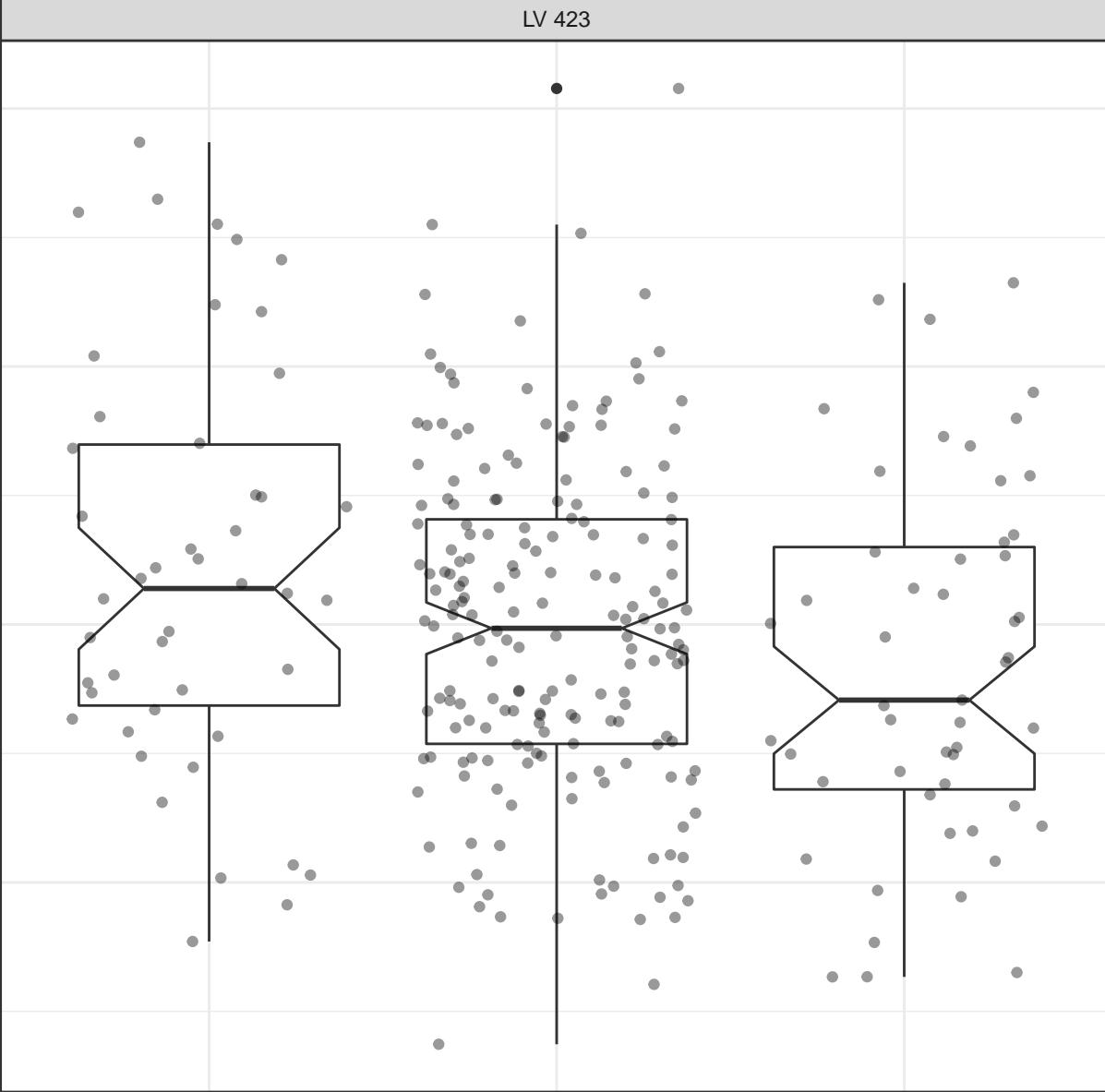
-0.04

Group 3

subgroup

Group 4

SHH



LV 424

Value

0.05

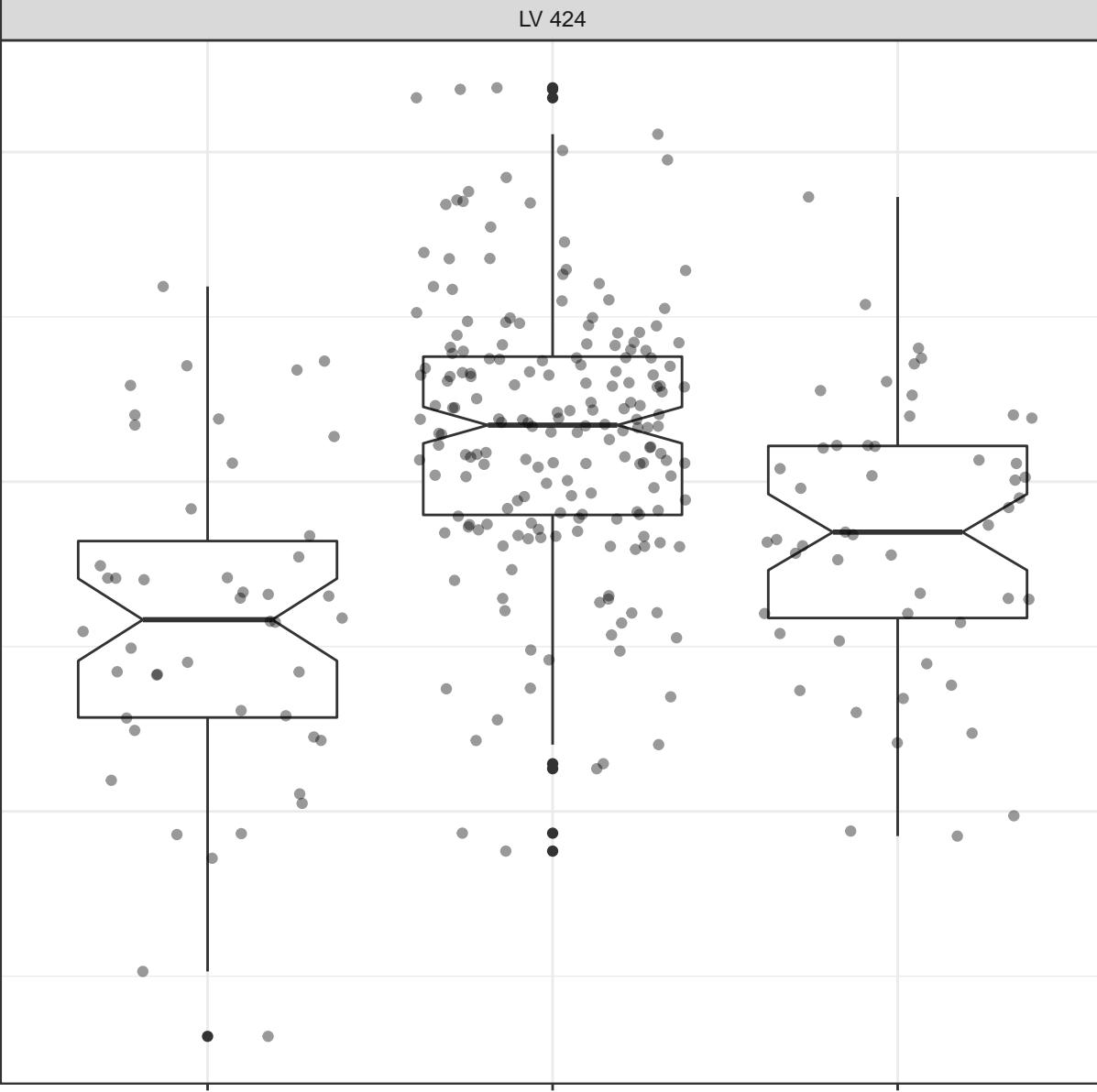
0.00

-0.05

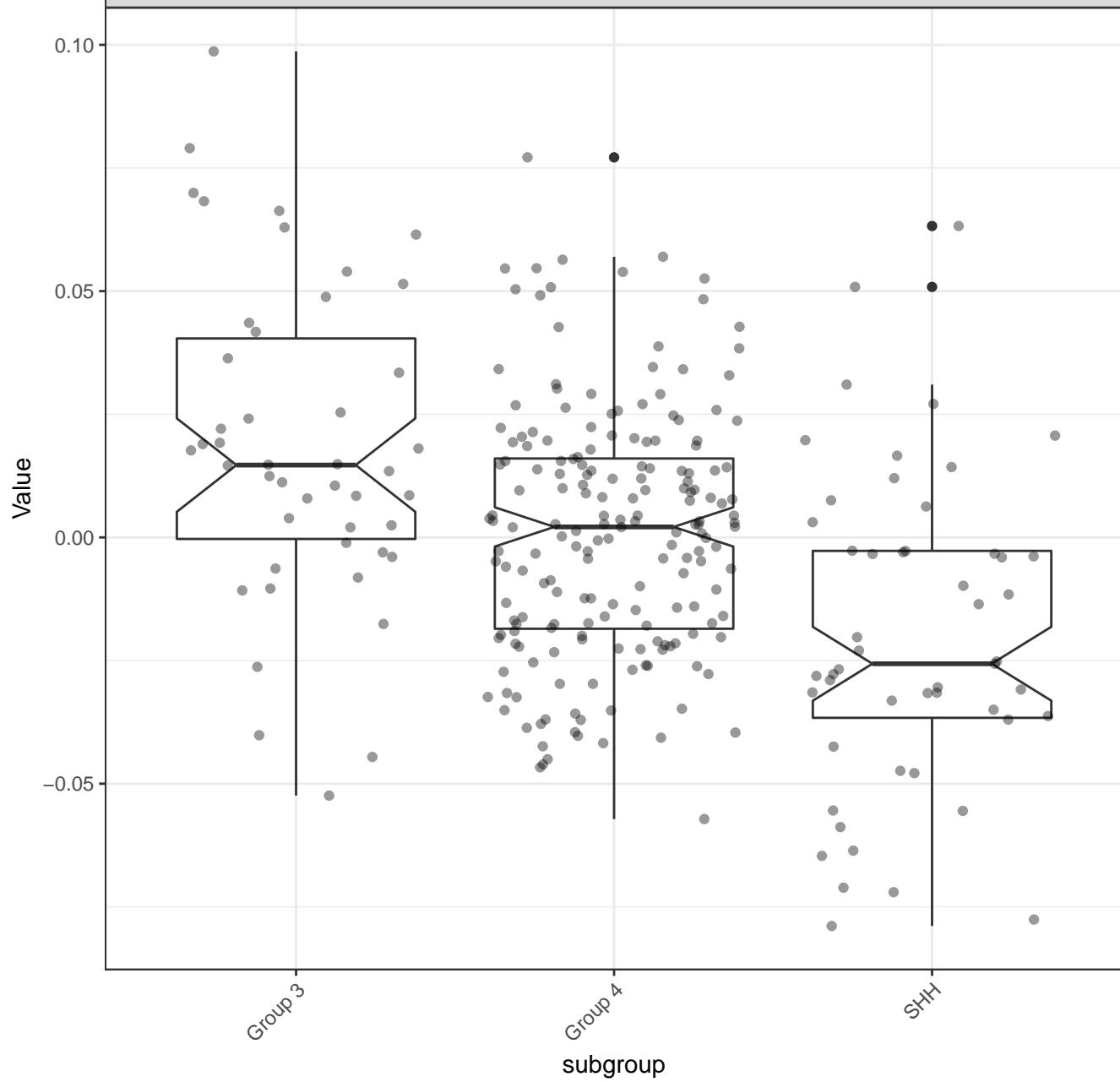
Group 3

subgroup

SHH



LV 425



LV 426

Value

0.04

0.00

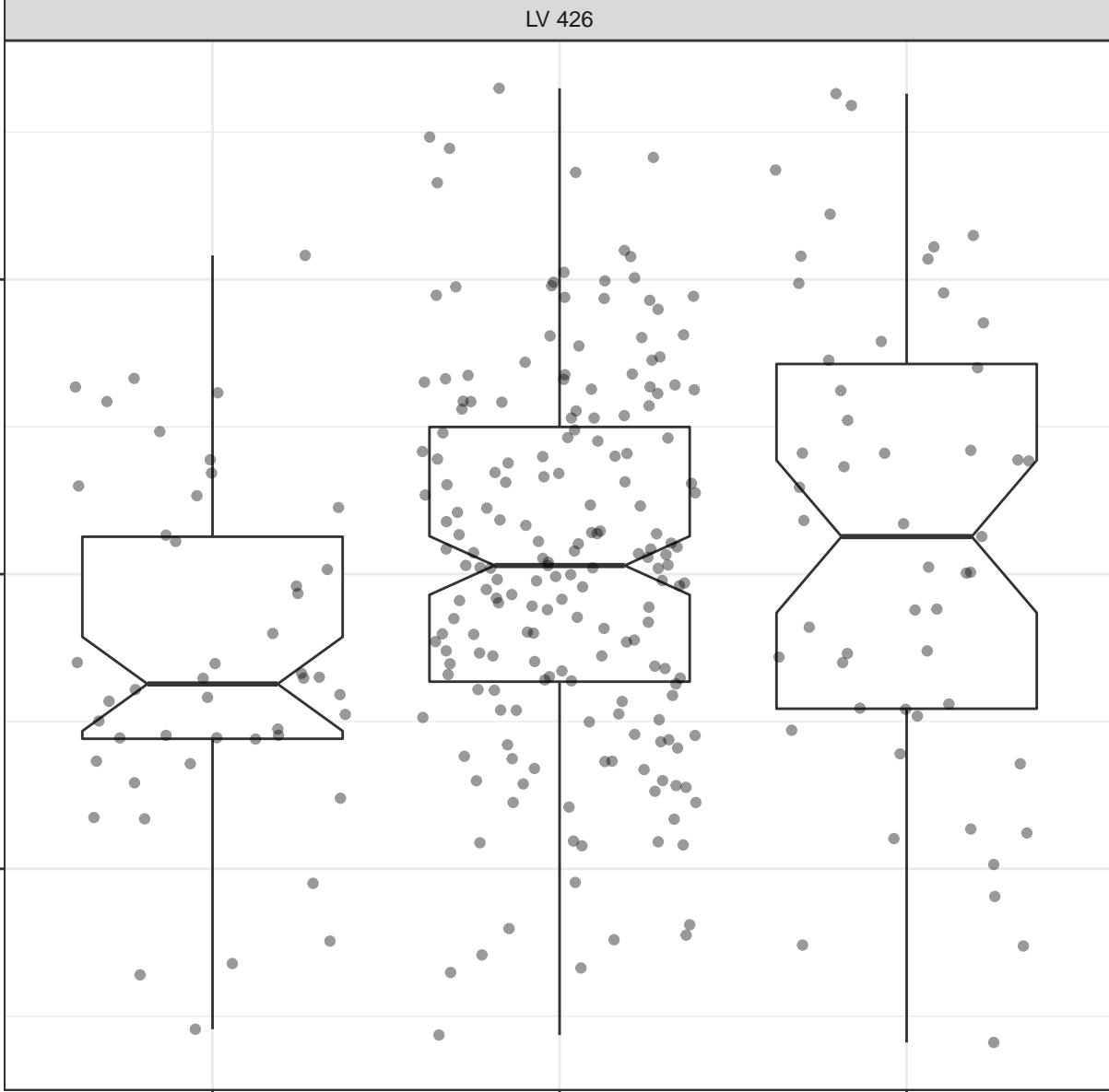
-0.04

Group 3

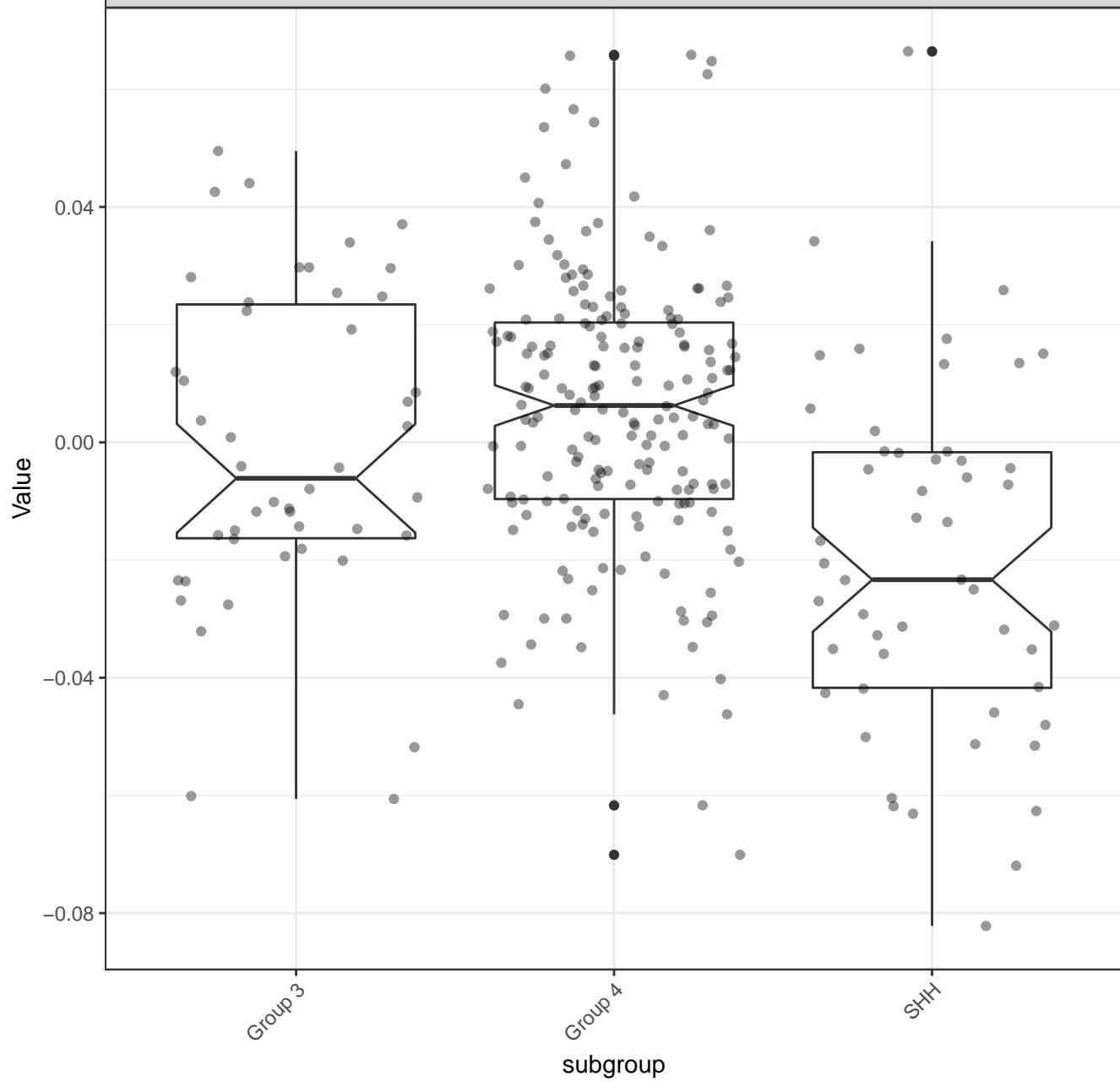
subgroup

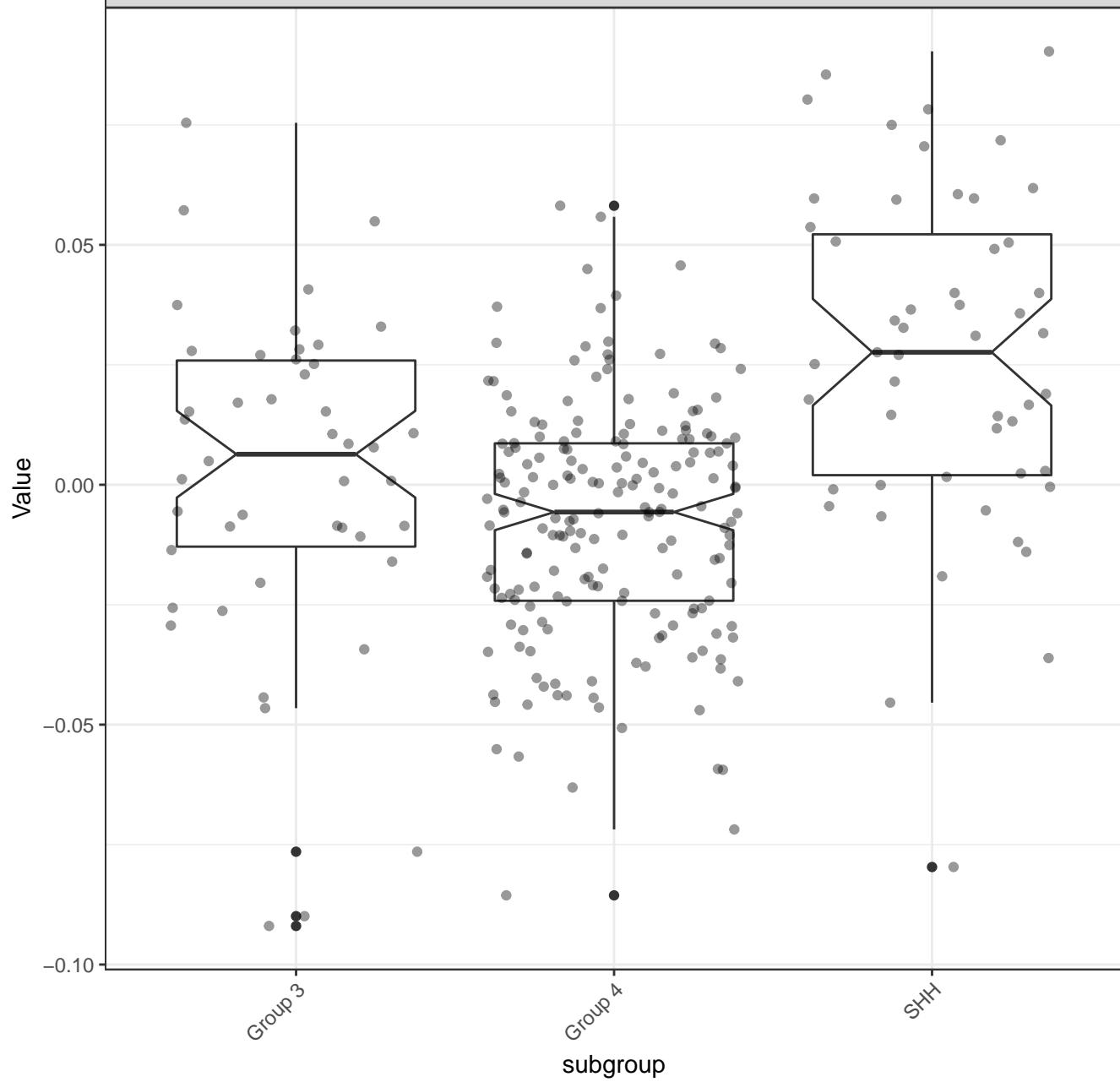
Group 4

SHH

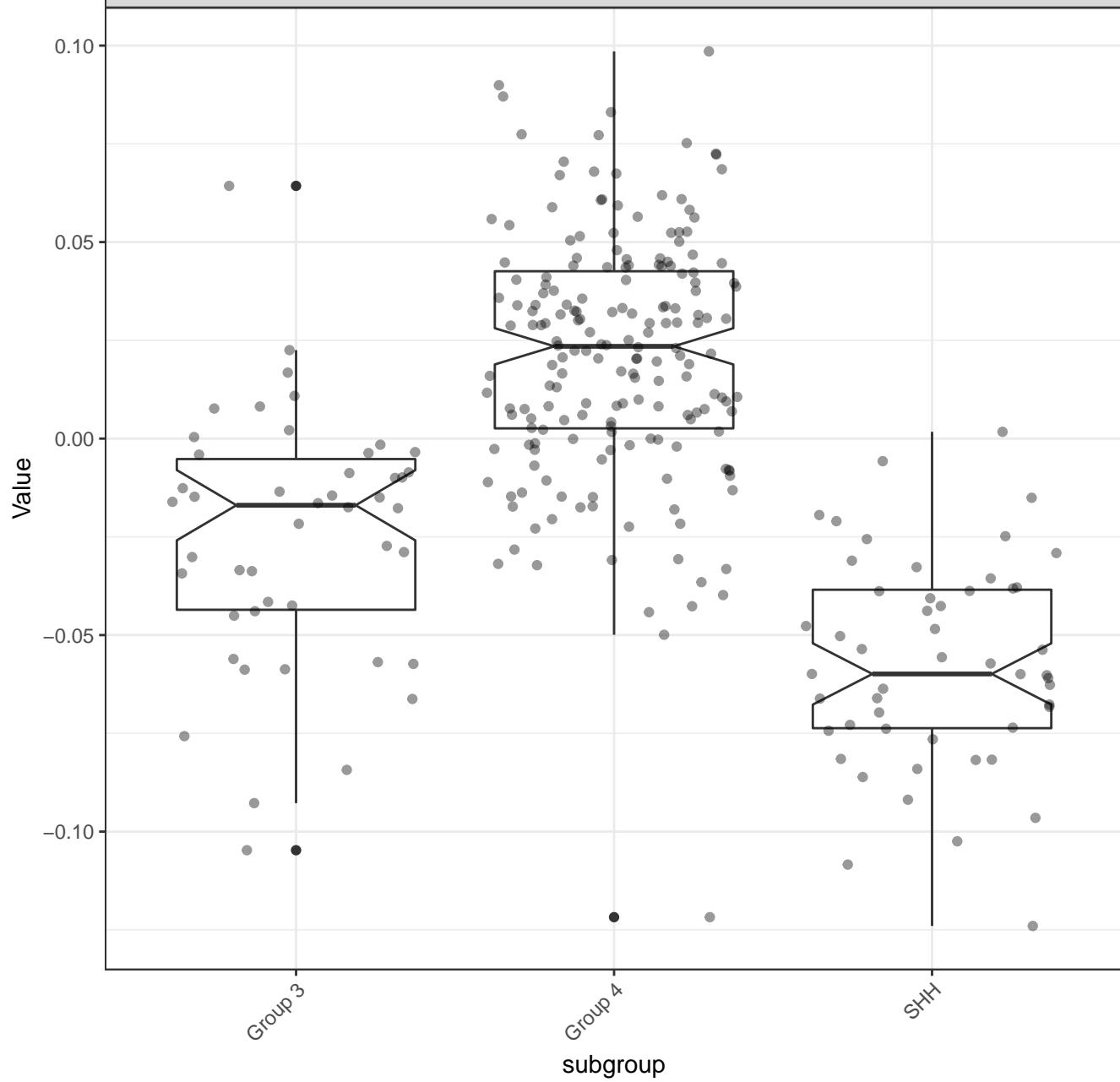


LV 427

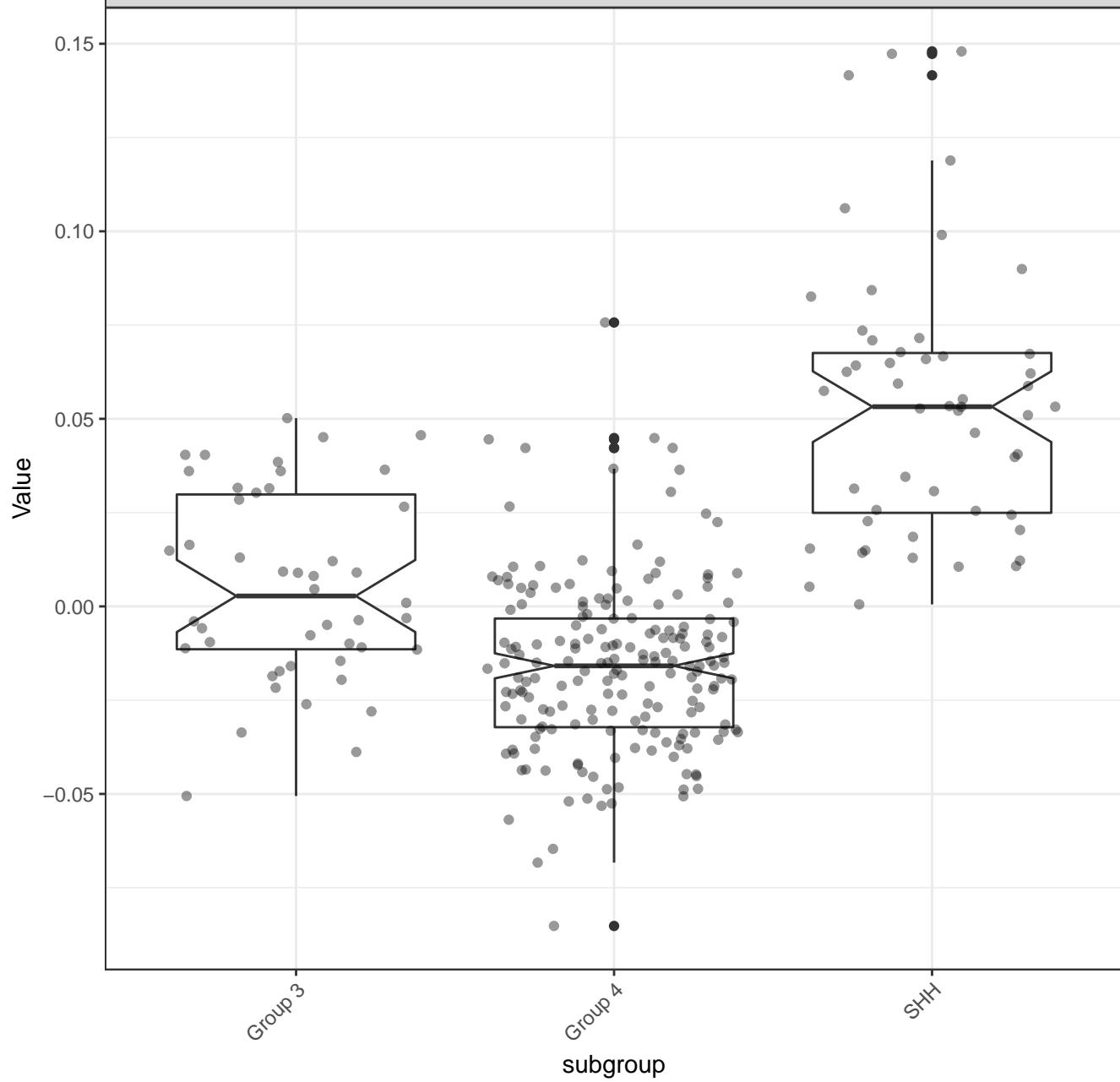




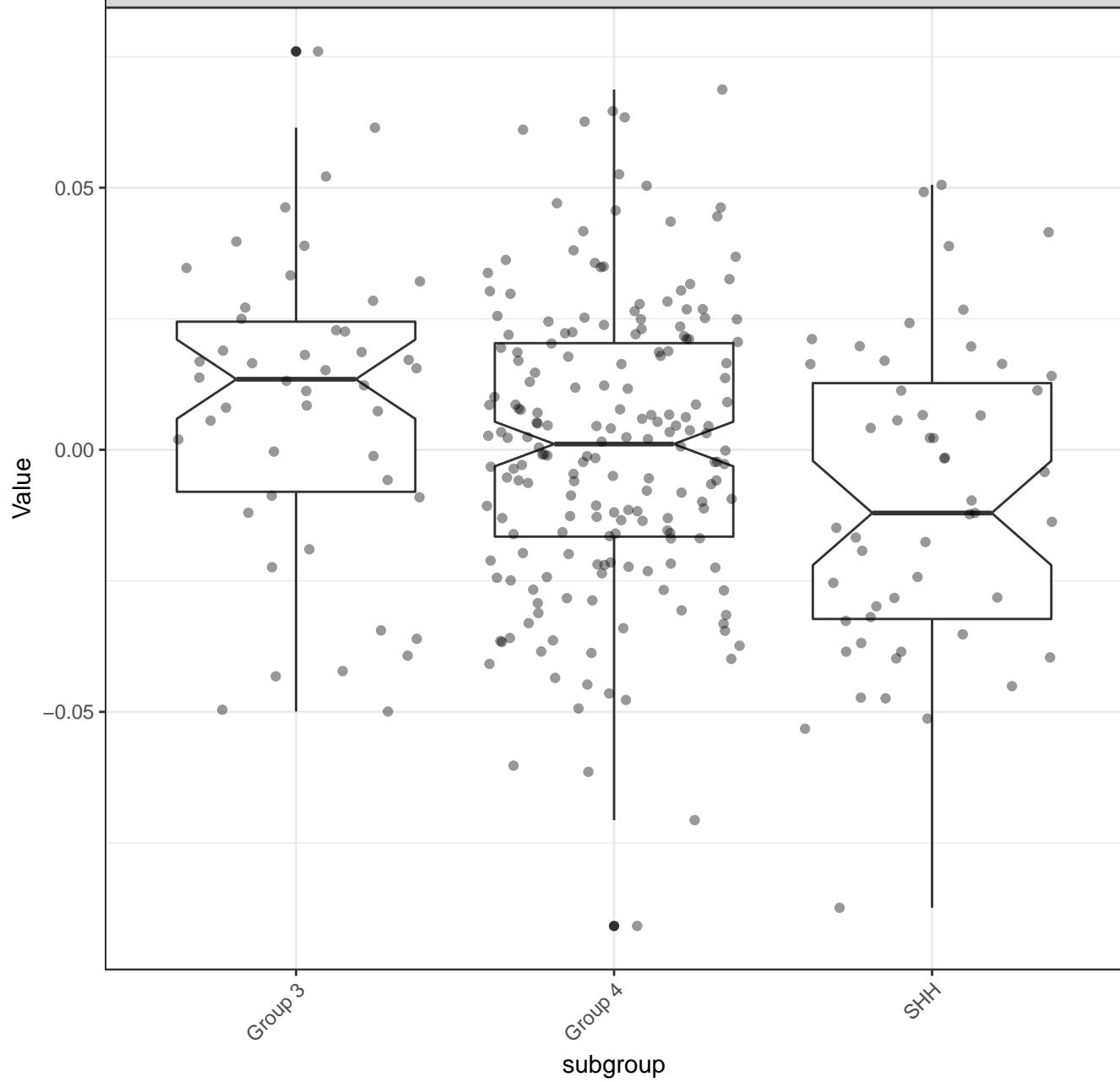
LV 429



LV 430



LV 431



LV 432

Value

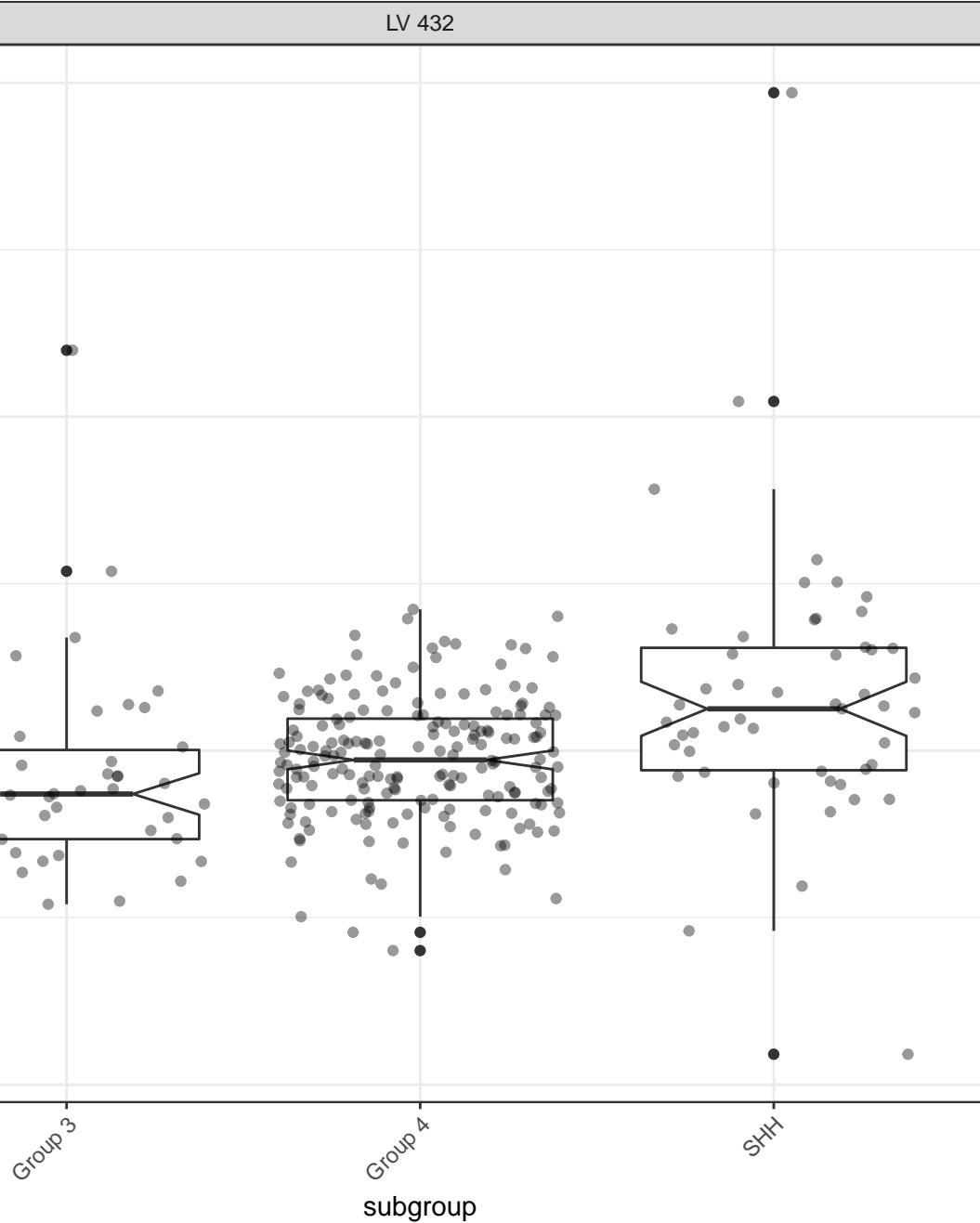
0.2
0.1
0.0
-0.1

Group 3

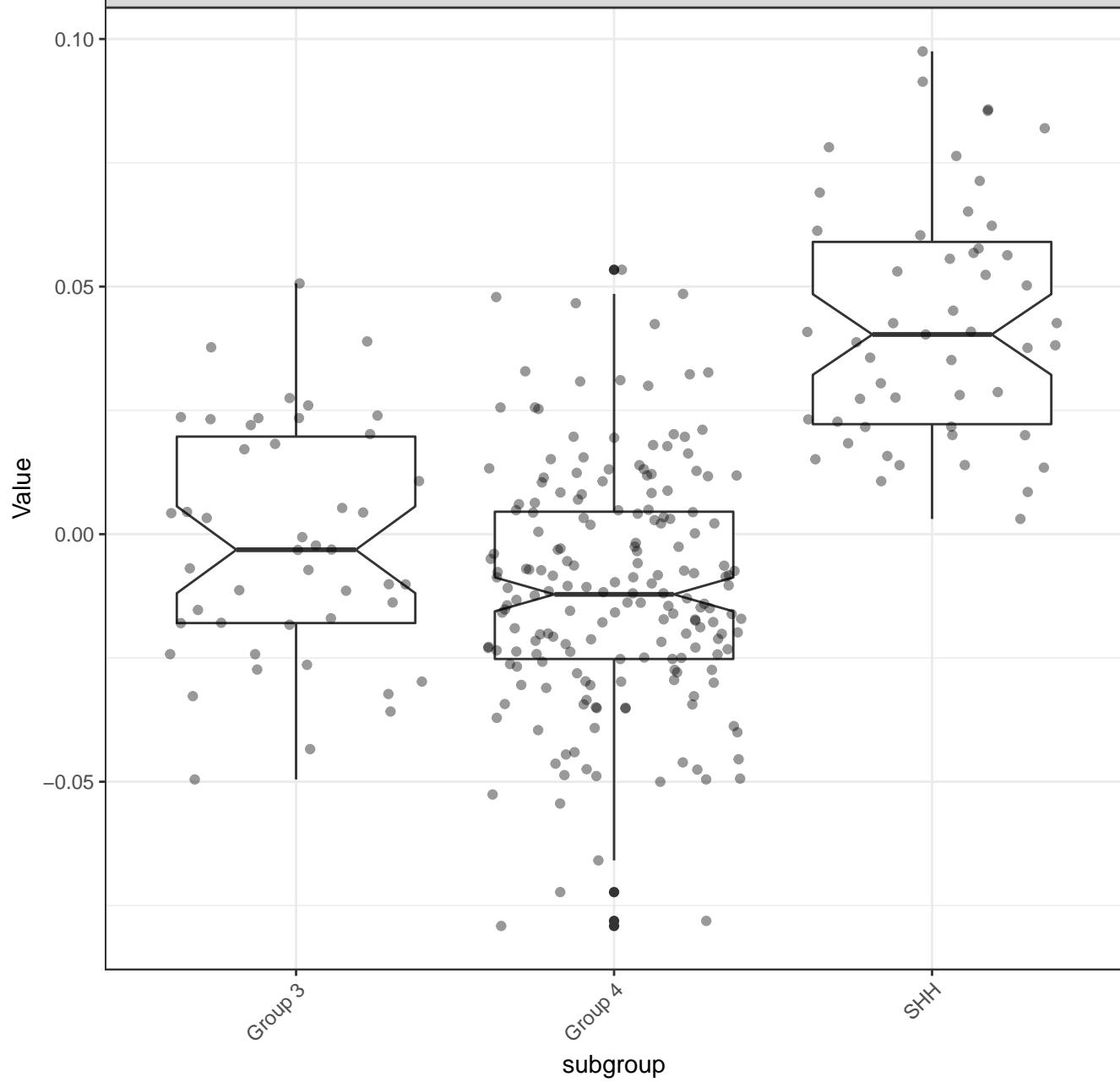
Group 4

SHH

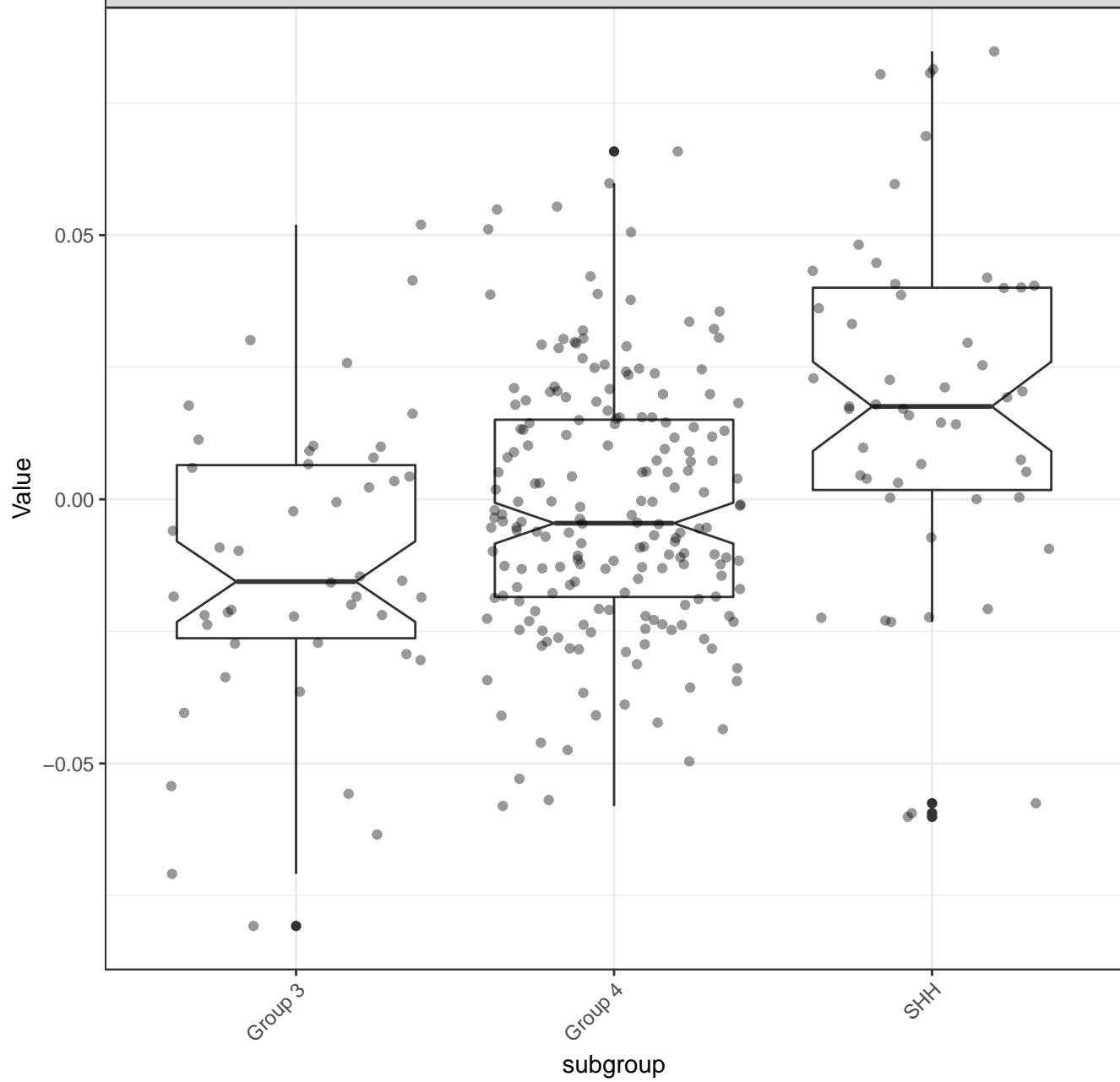
subgroup



LV 433



LV 434



LV 435

Value

0.10

0.05

0.00

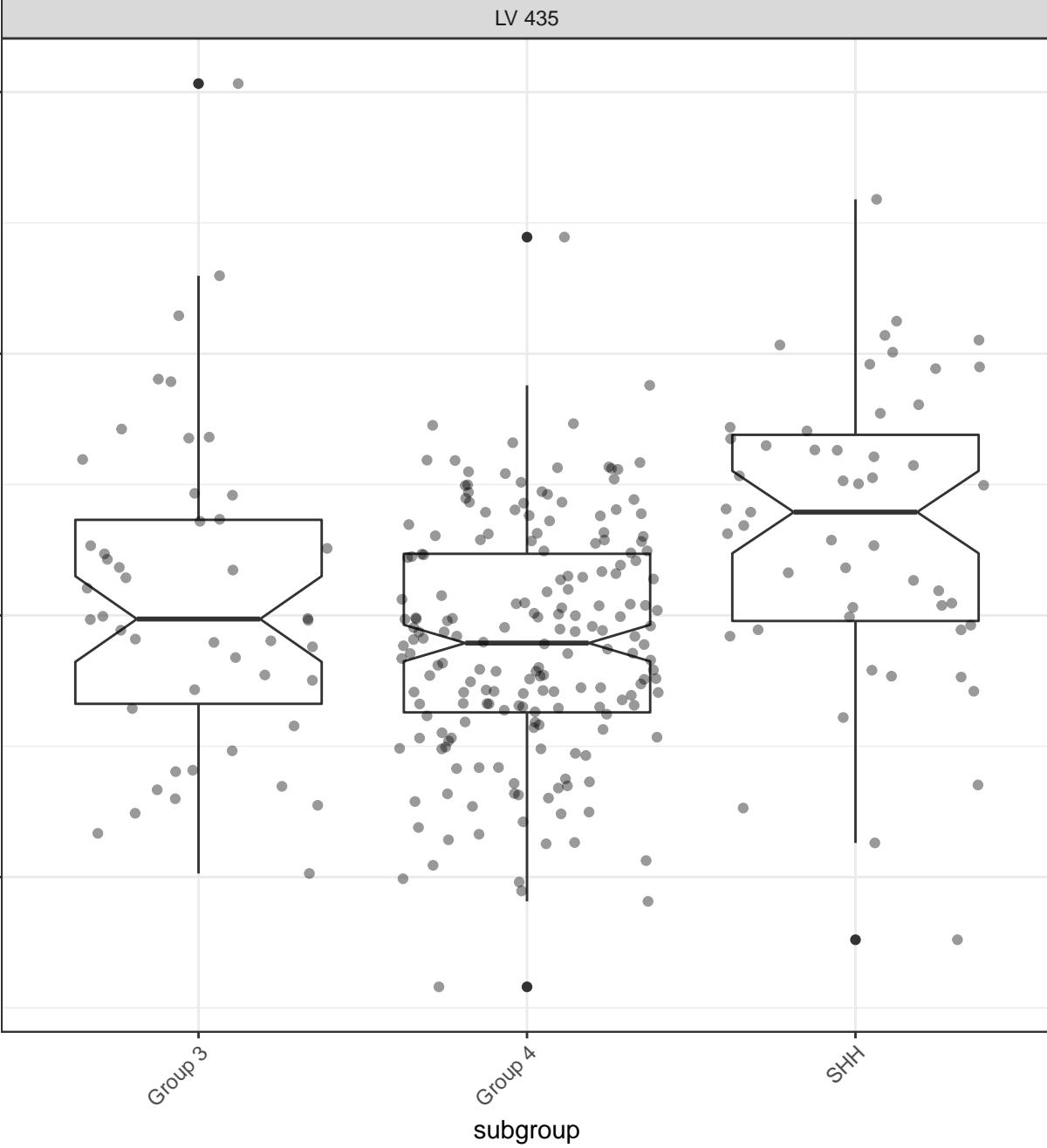
-0.05

Group 3

Group 4

SHH

subgroup



LV 436

Vvalue

0.10

0.05

0.00

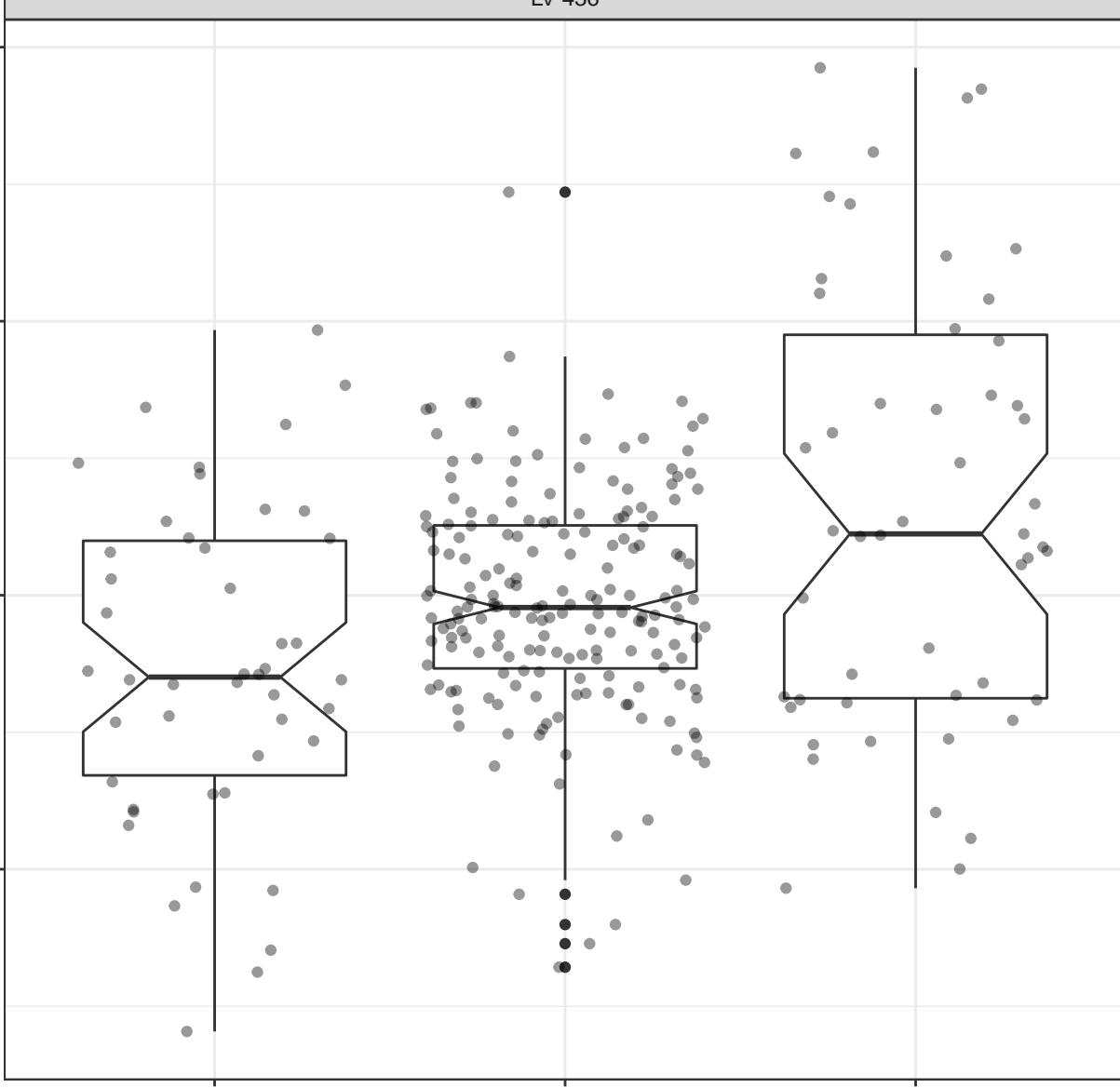
-0.05

Group 3

Group 4

SHH

subgroup



LV 437

Value

0.10

0.05

0.00

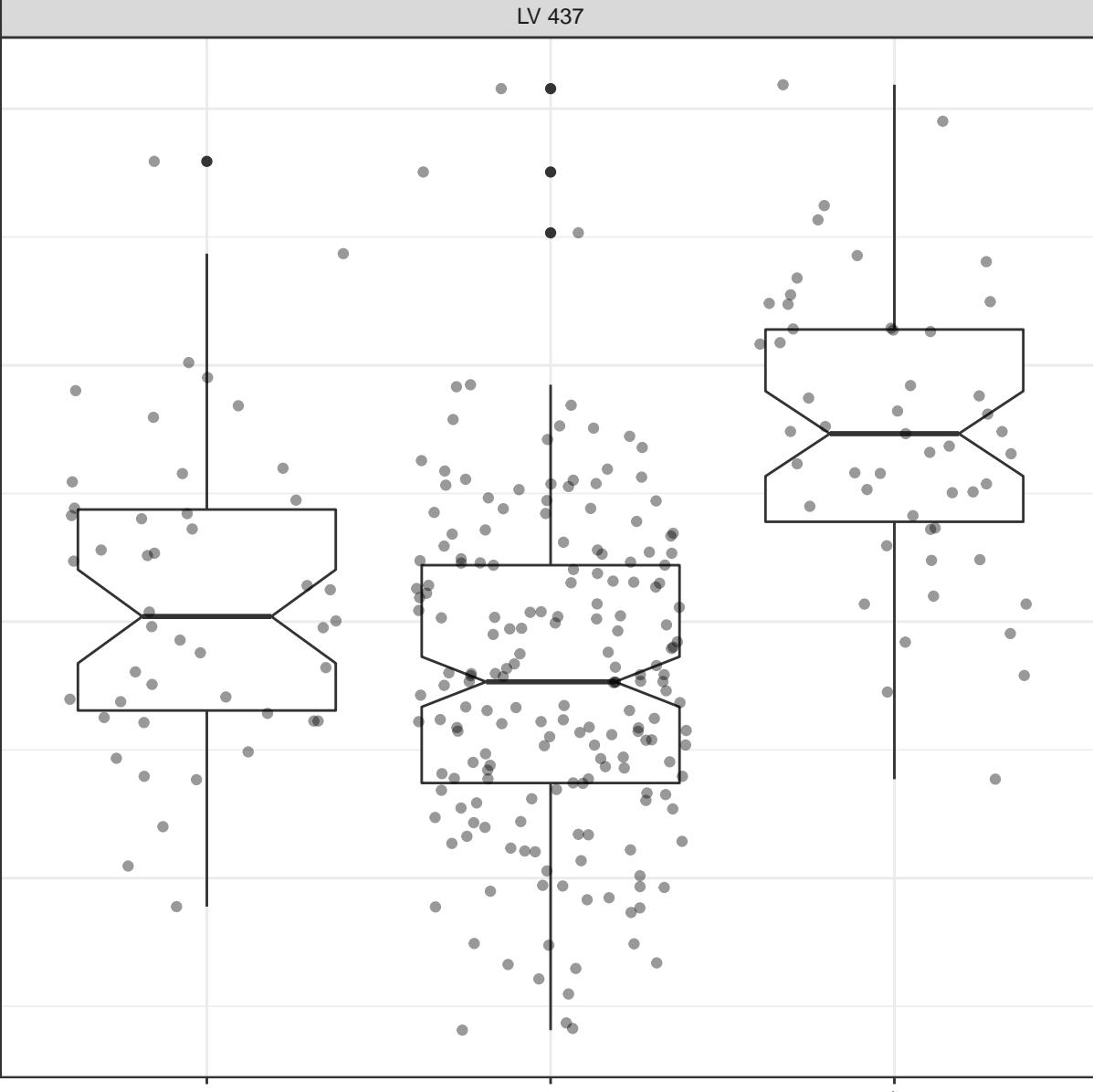
-0.05

Group 3

subgroup

Group 4

SHH



LV 438

Value

0.05

0.00

-0.05

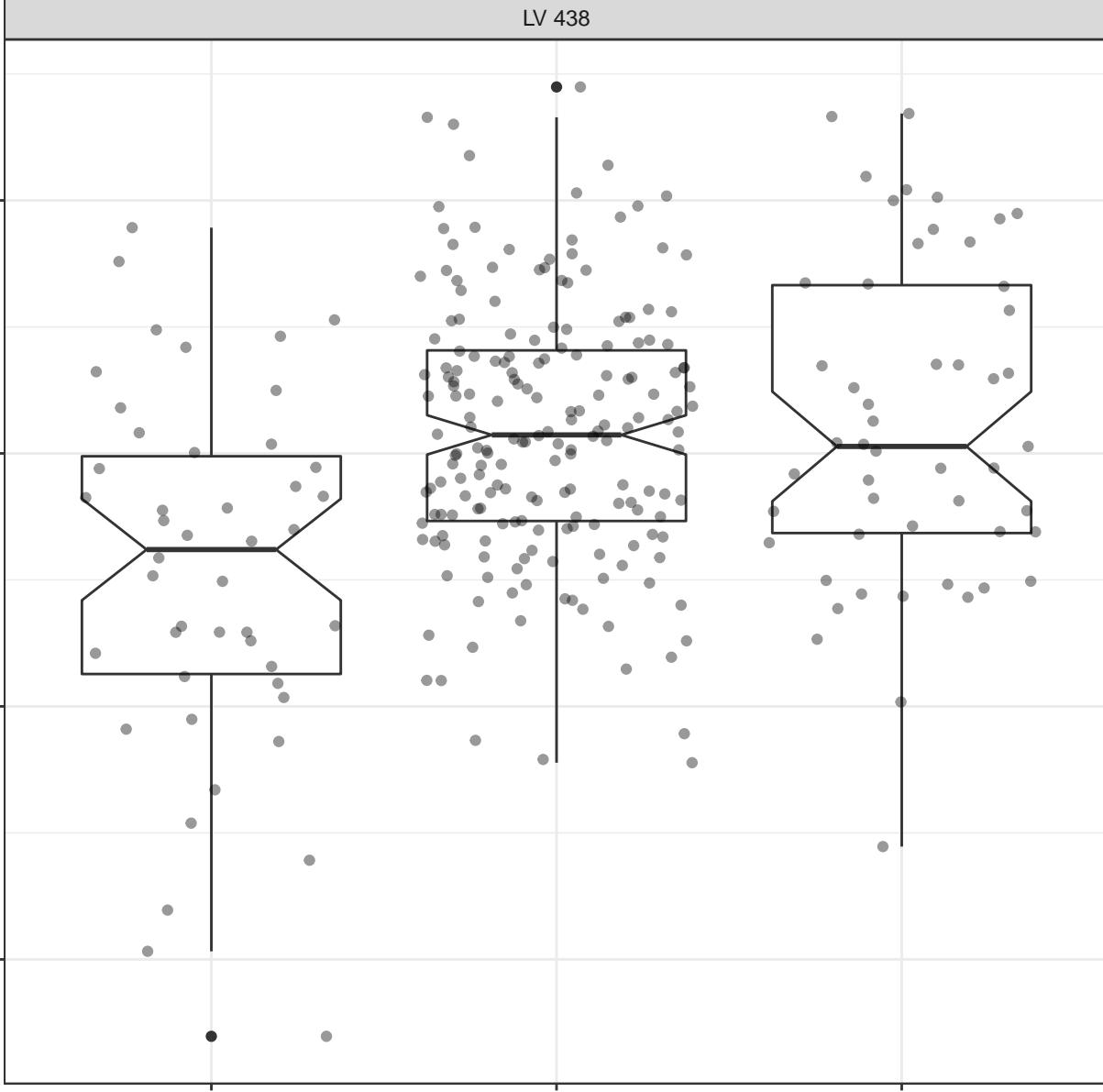
-0.10

Group 3

subgroup

Group 4

SHH



LV 439

Value

0.10

0.05

0.00

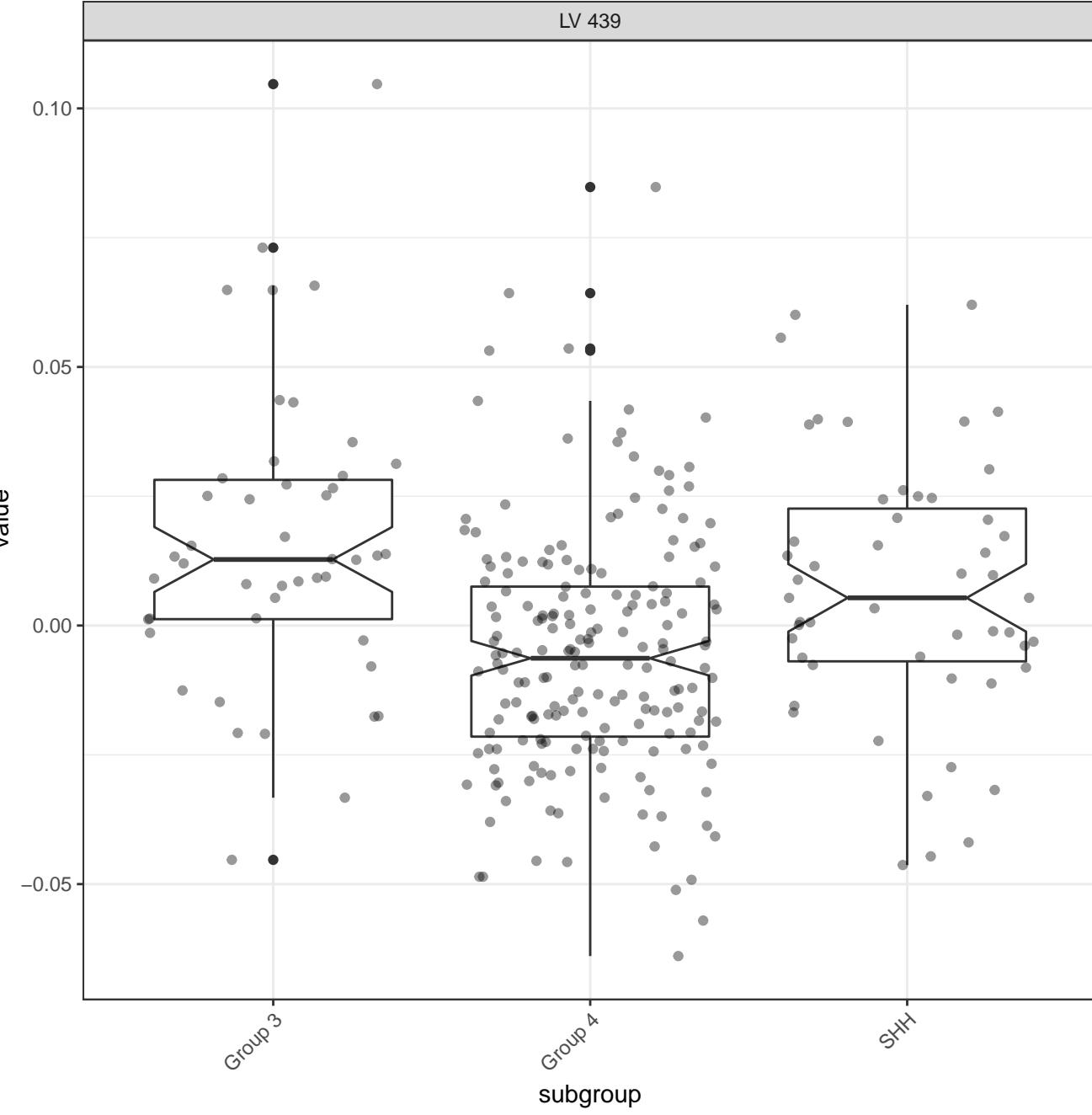
-0.05

Group 3

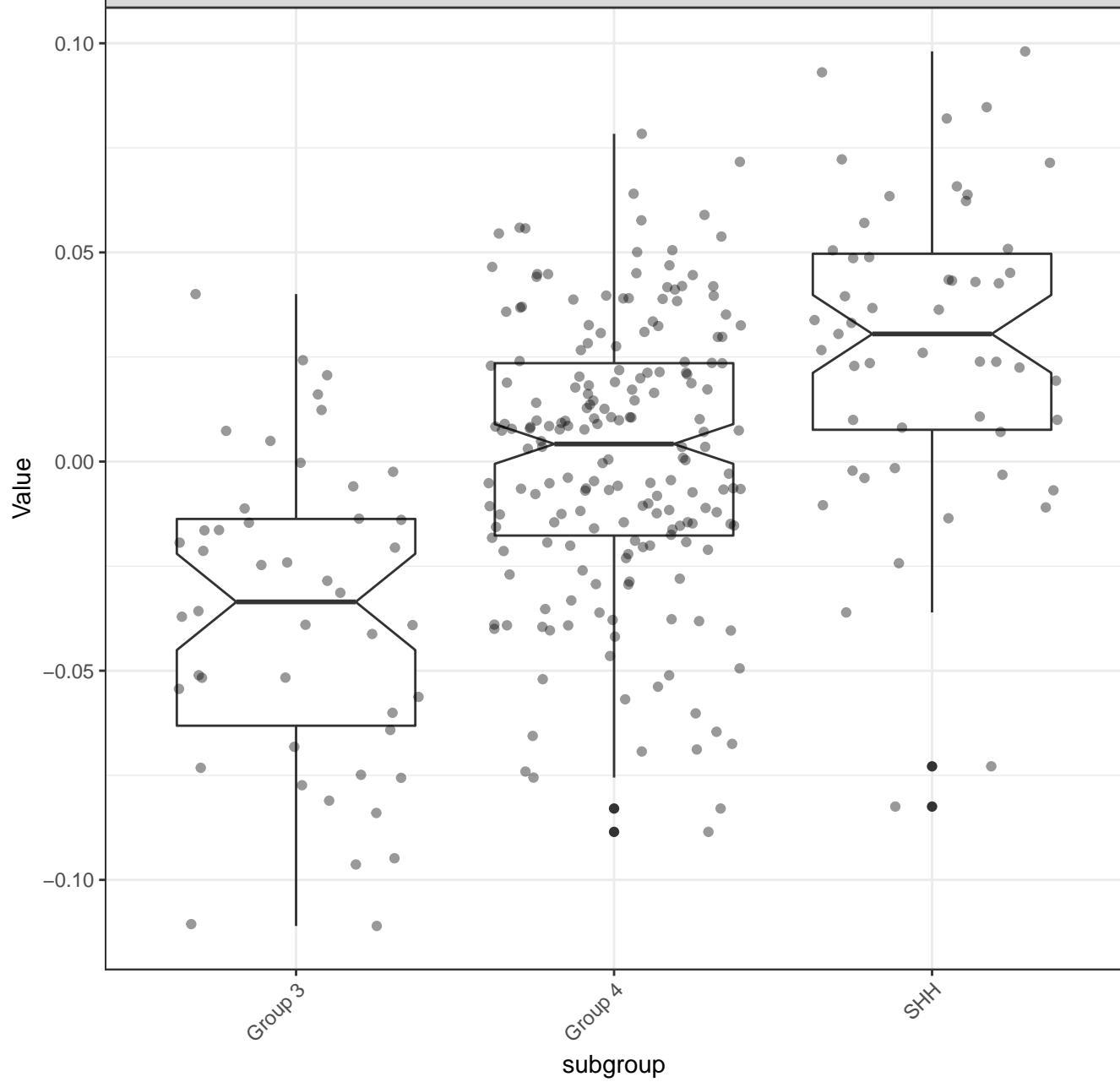
subgroup

Group 4

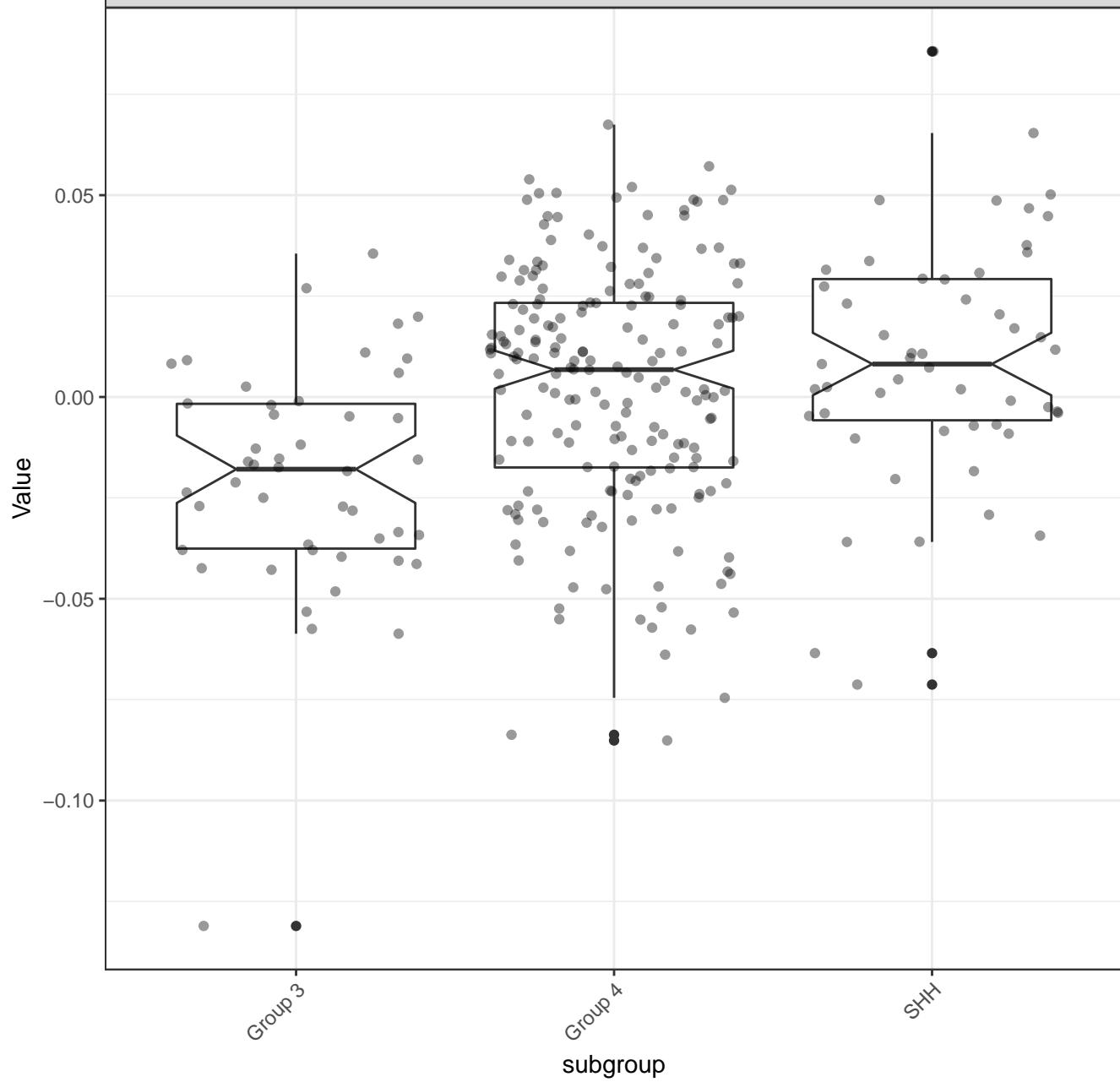
SHH



LV 440



LV 441



LV 442

Value

0.10

0.05

0.00

-0.05

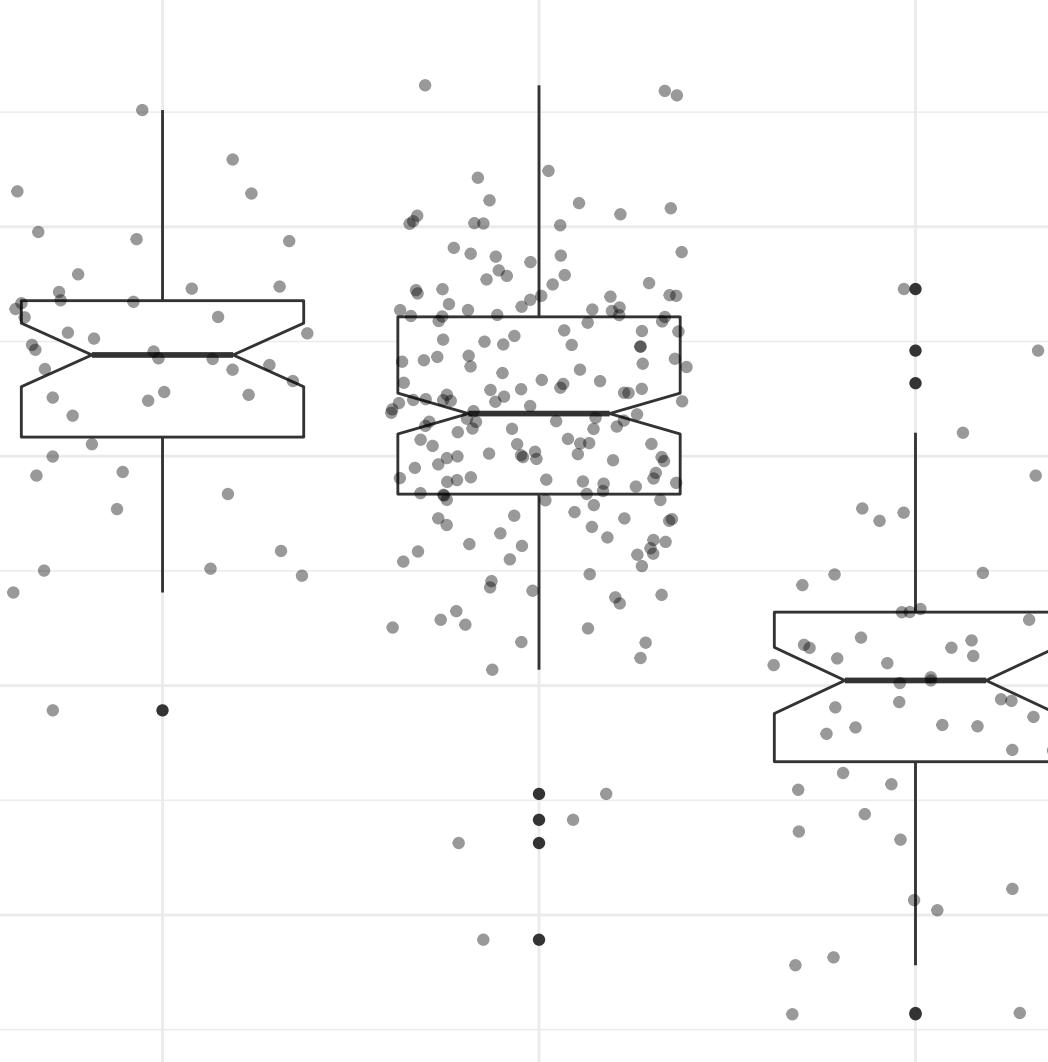
-0.10

Group 3

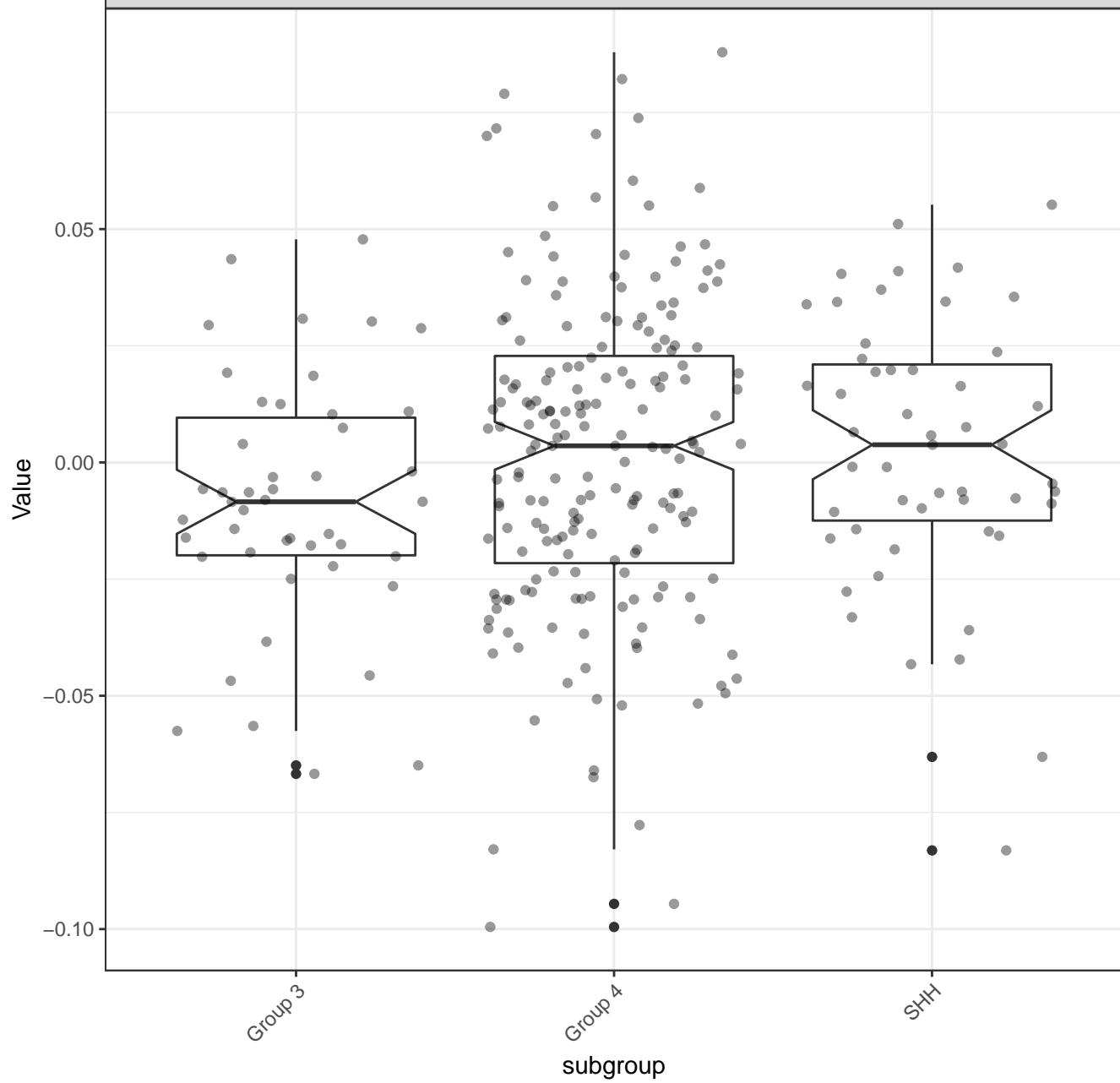
subgroup

Group 4

SHH



443,DMAP_NKA2



LV 444

Value

0.10

0.05

0.00

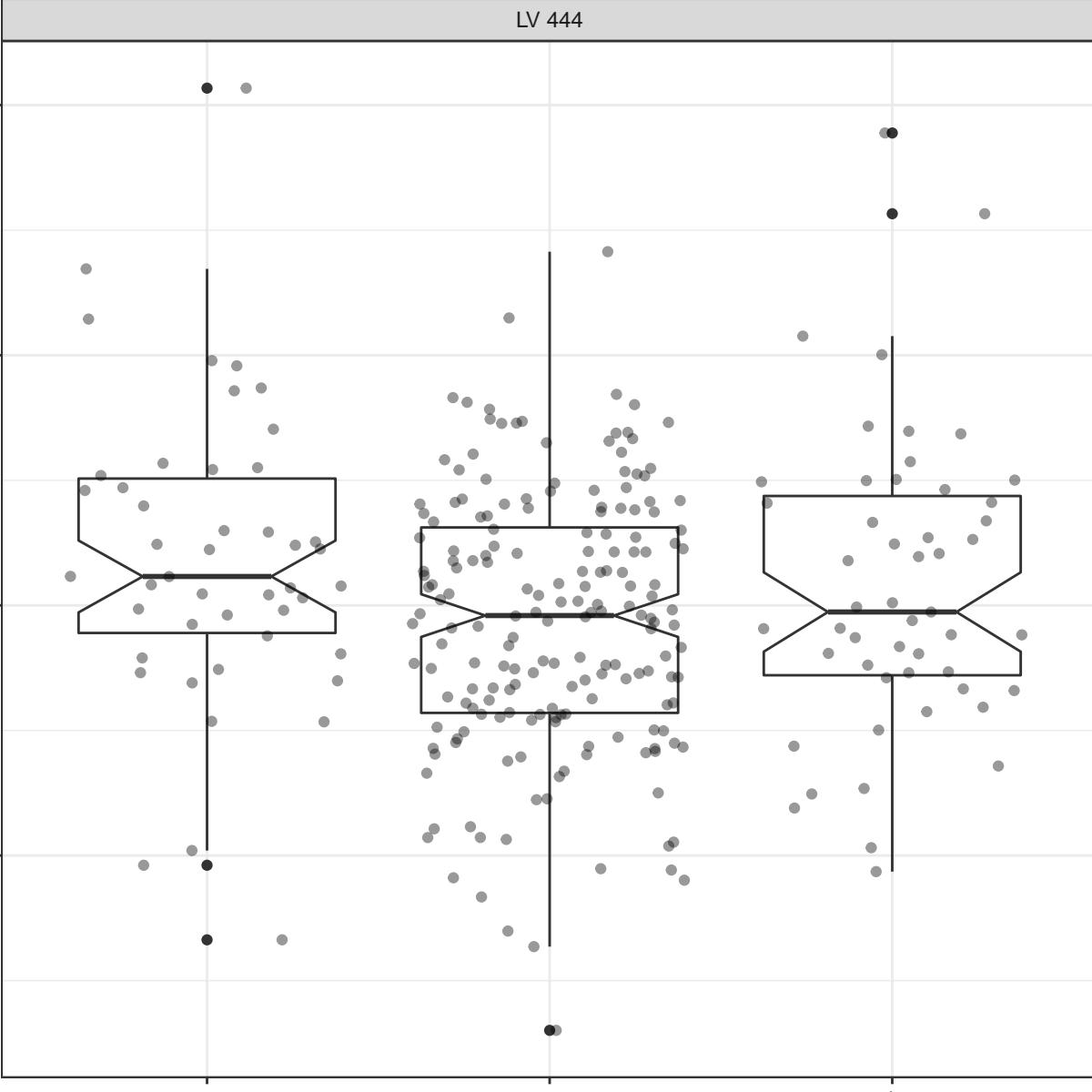
-0.05

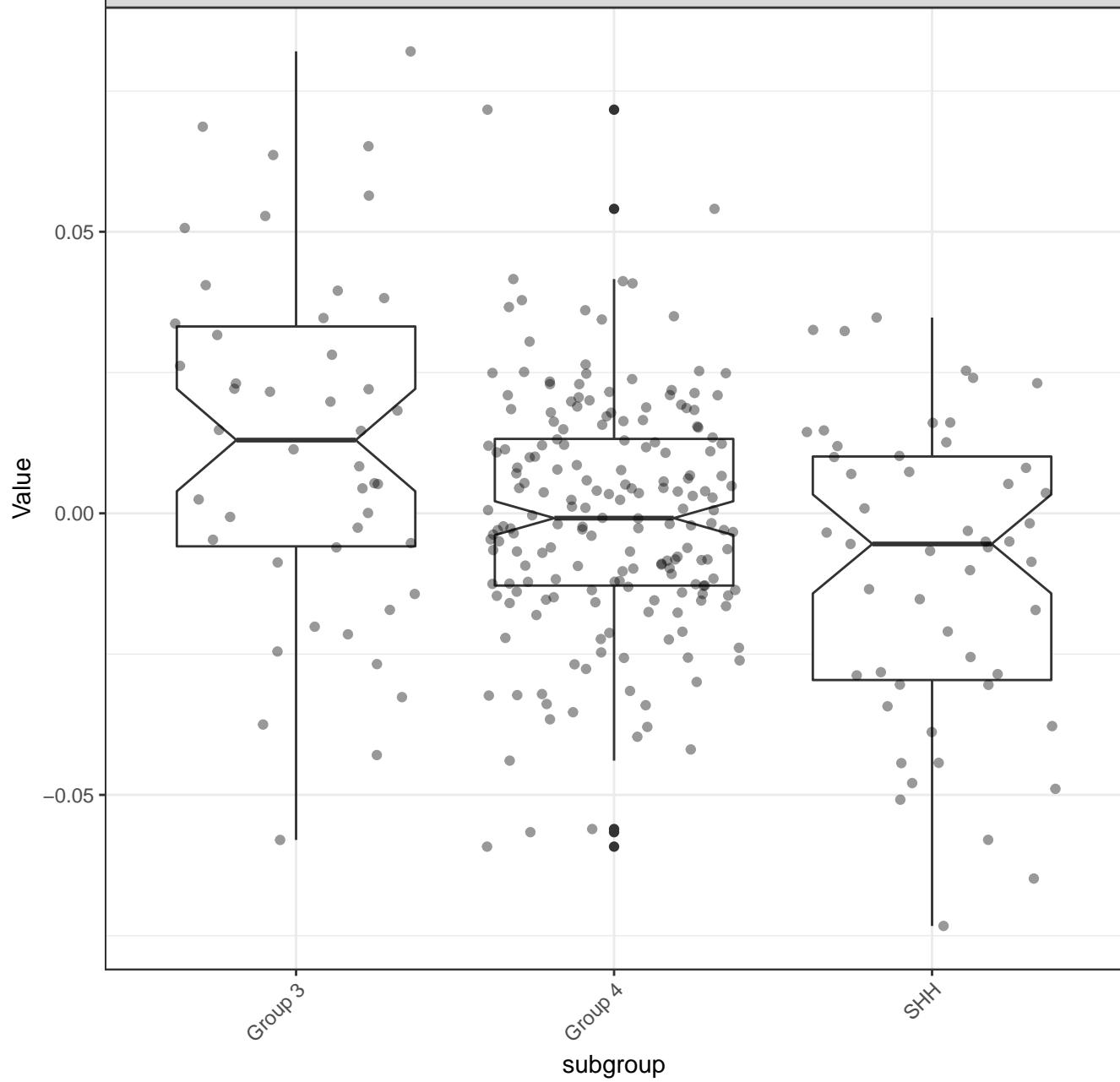
Group 3

subgroup

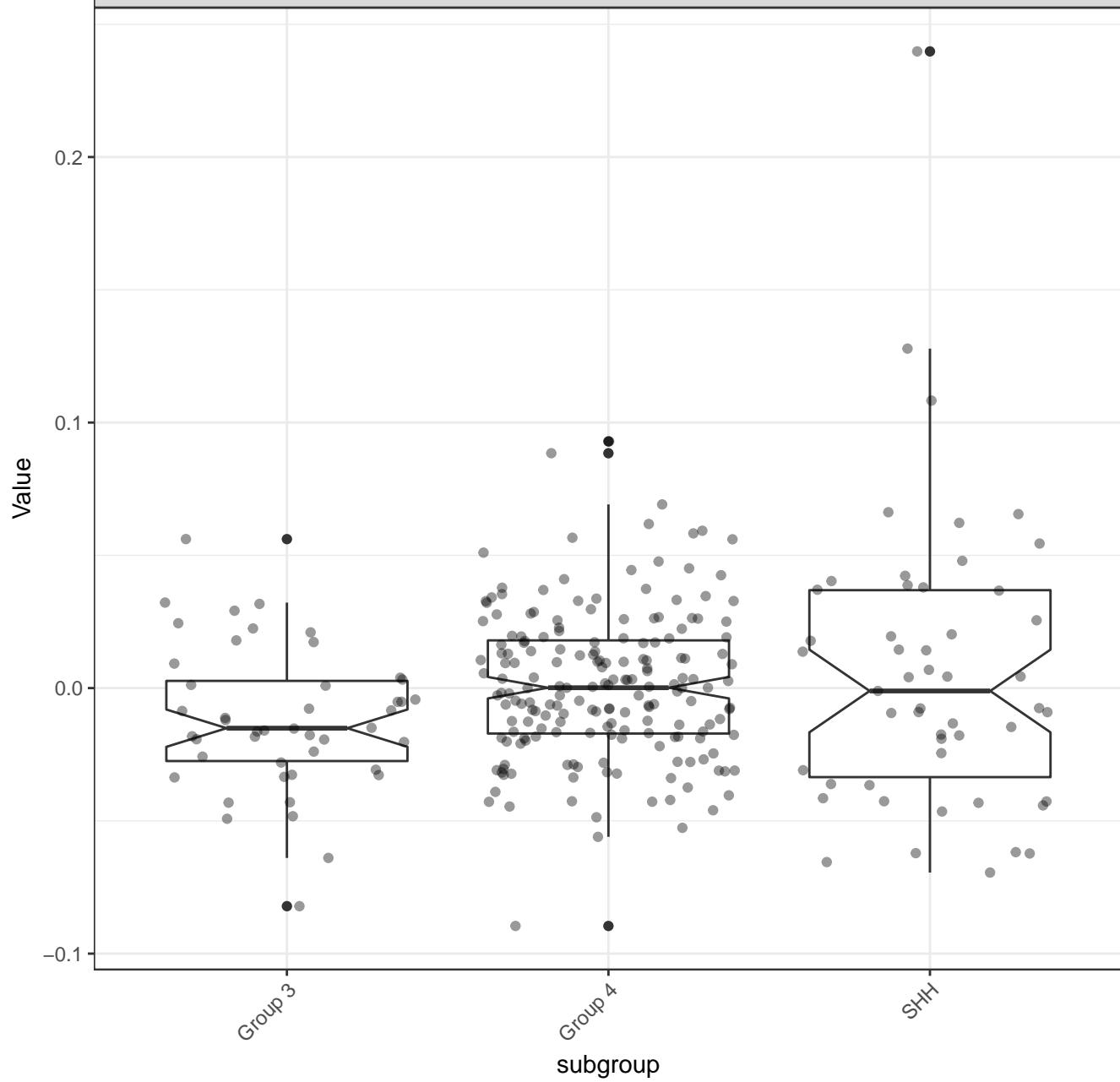
Group 4

SHH

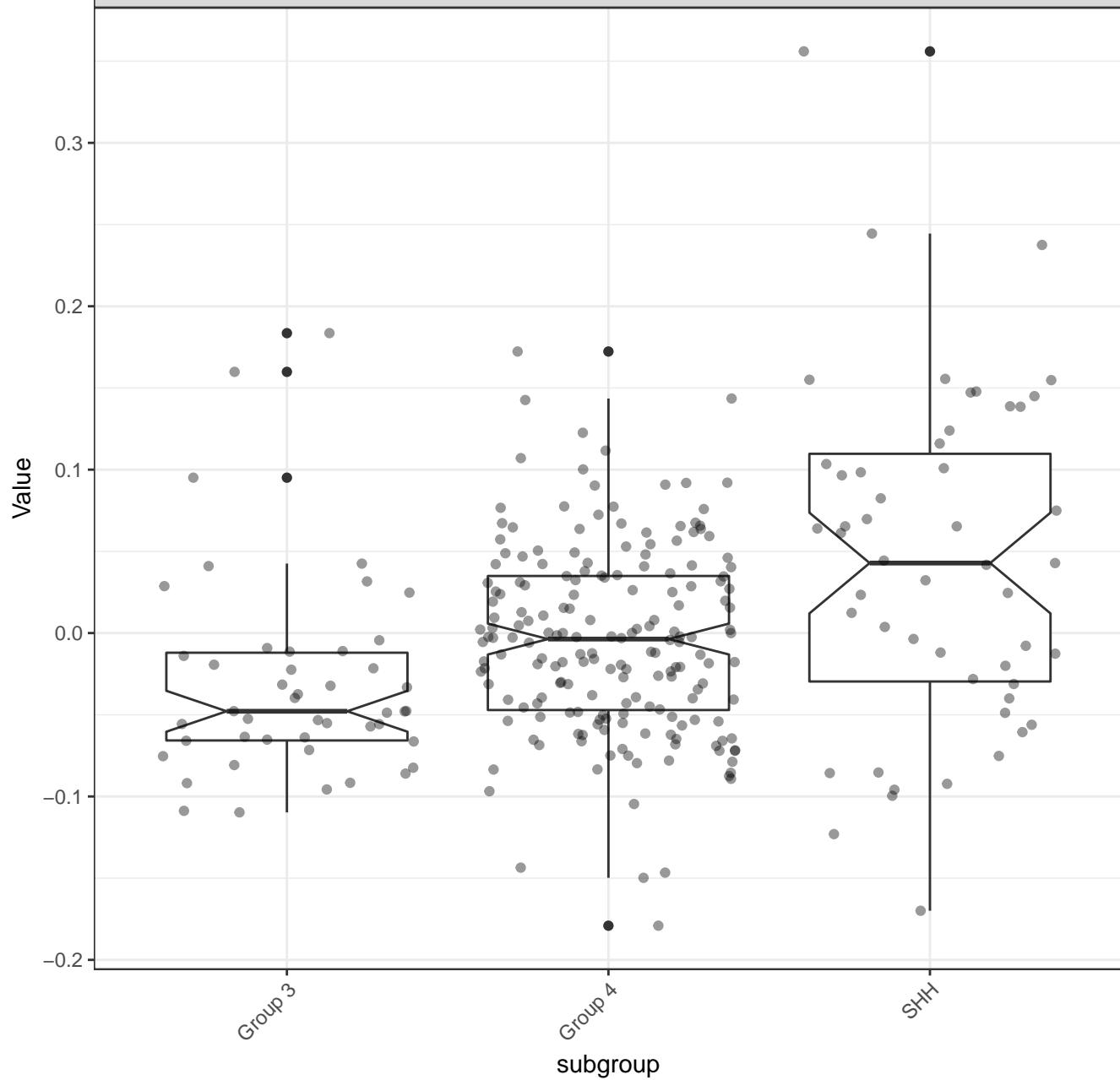




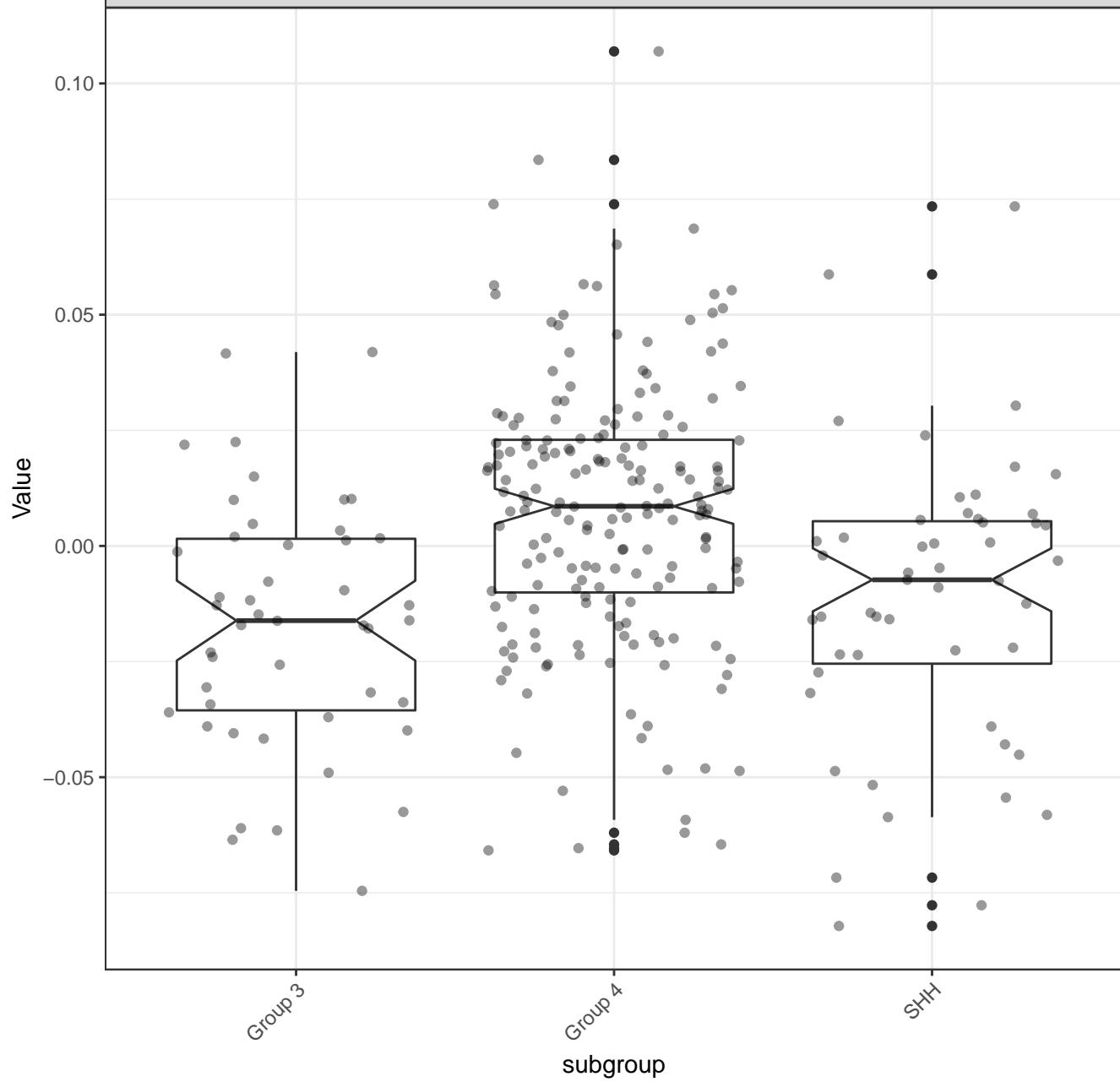
LV 446



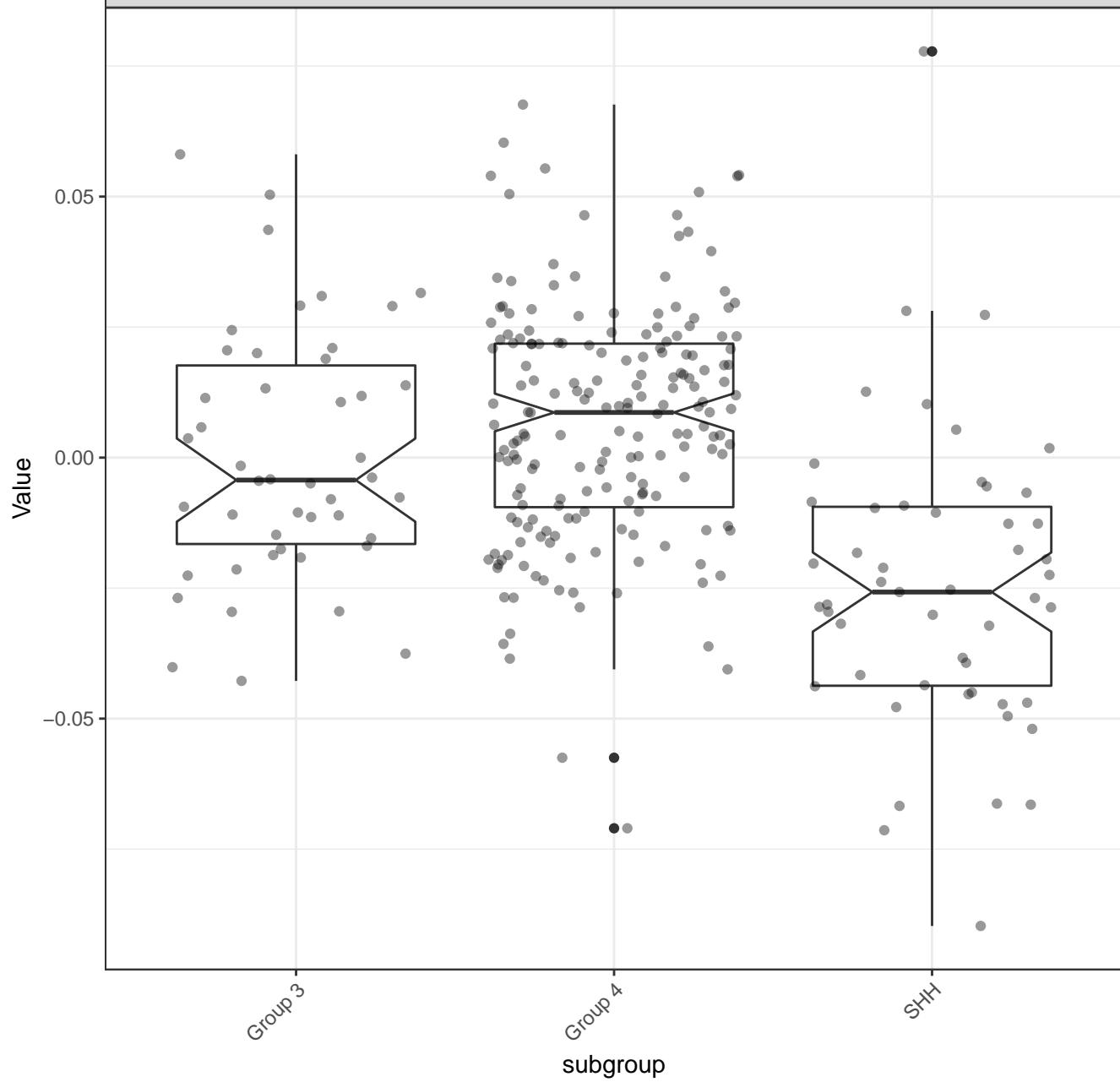
447,KEGG_LYSOSOME



LV 448

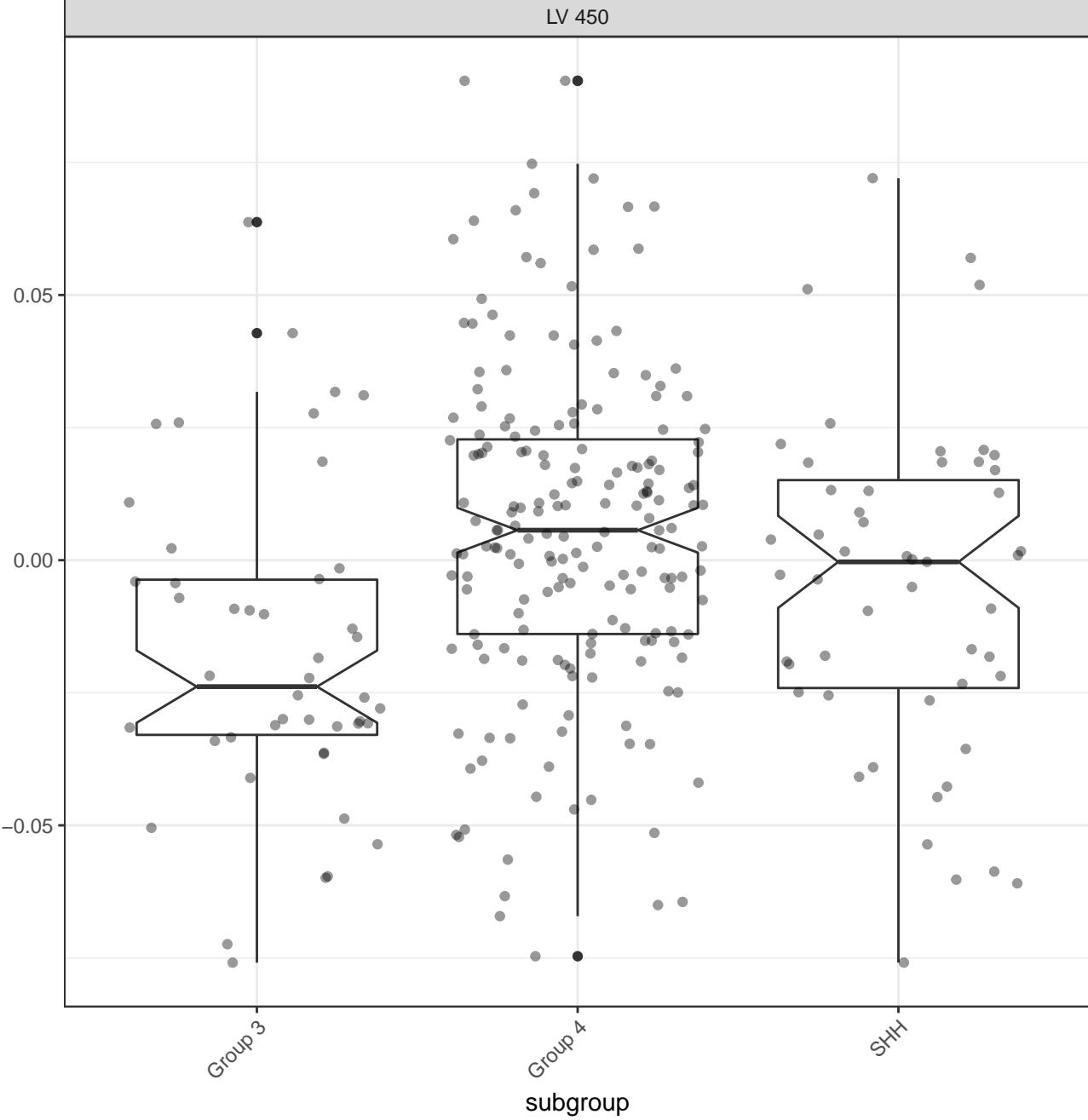


449,REACTOME_ELONGATION_ARREST_AND_RECOVERY



LV 450

Value



451,REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT

Value

0.10

0.05

0.00

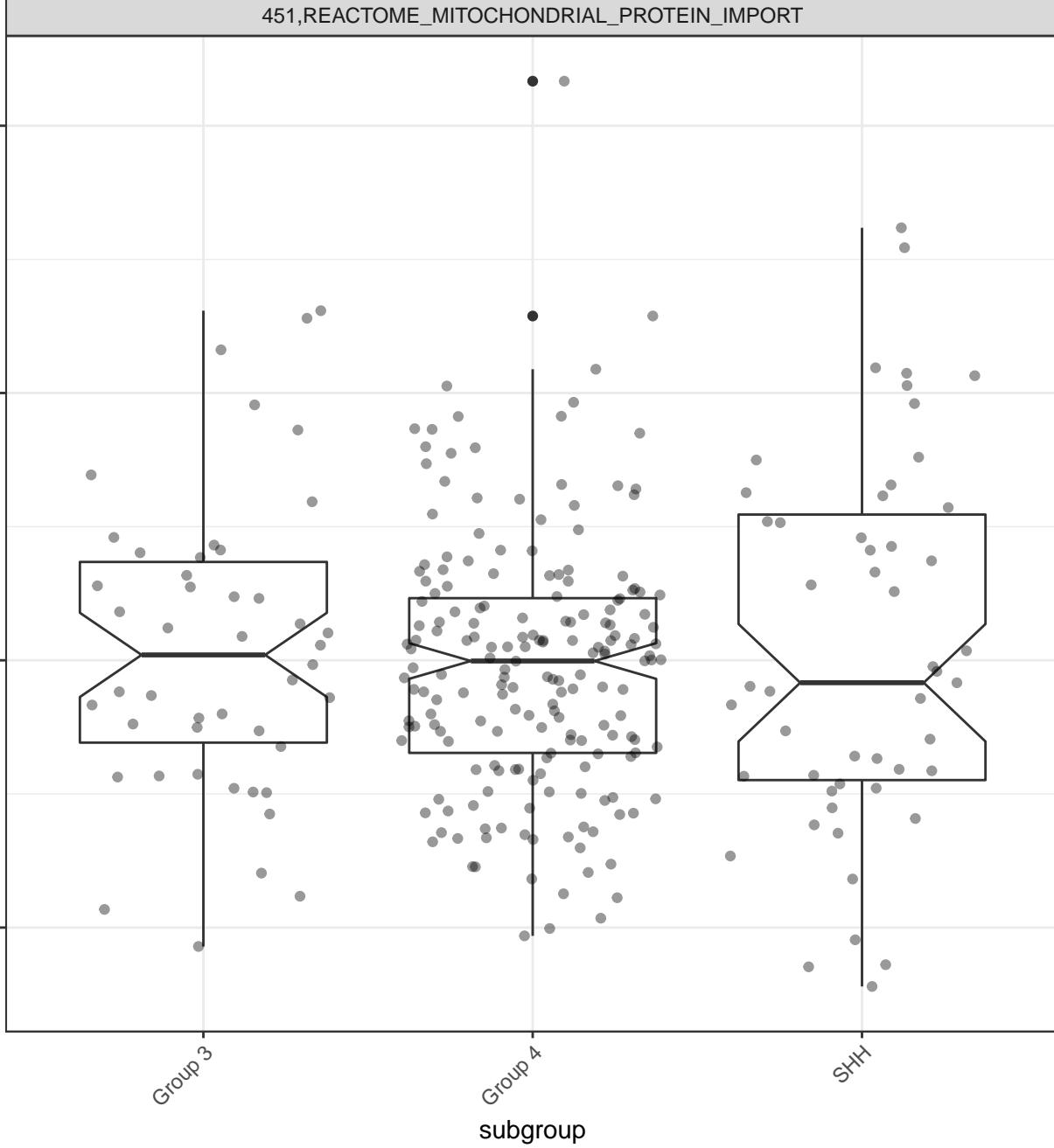
-0.05

Group 3

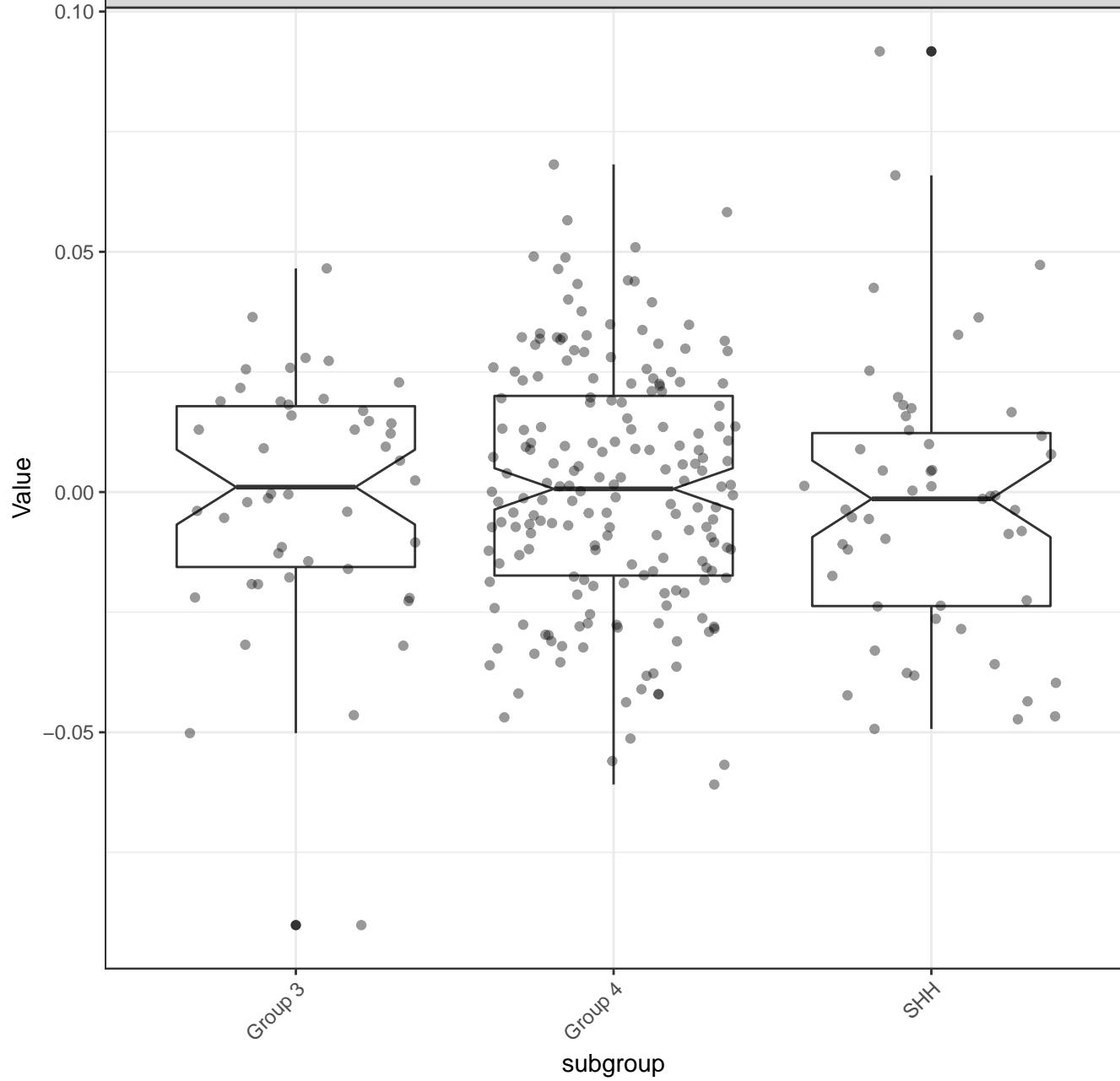
Group 4

SHH

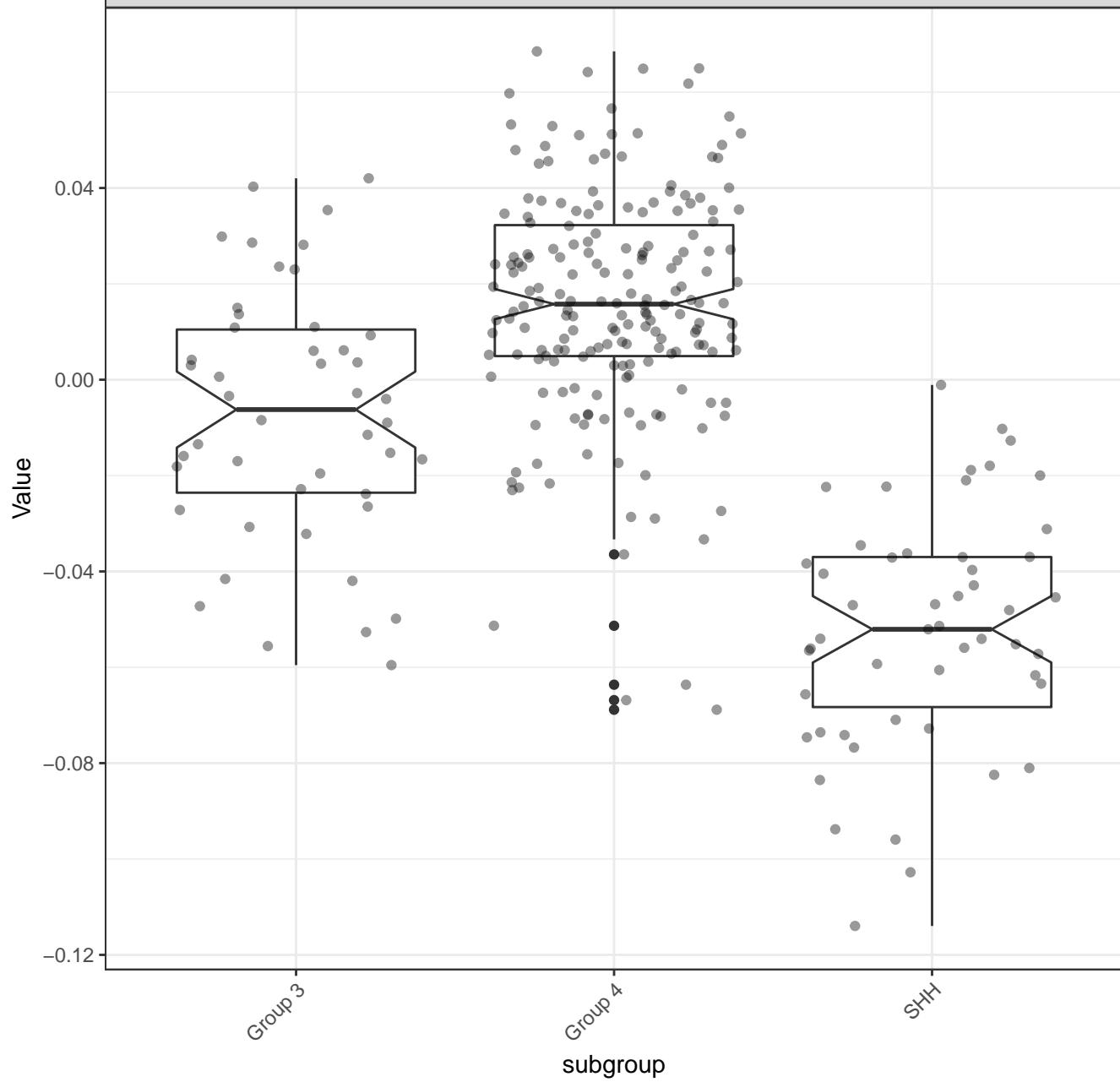
subgroup



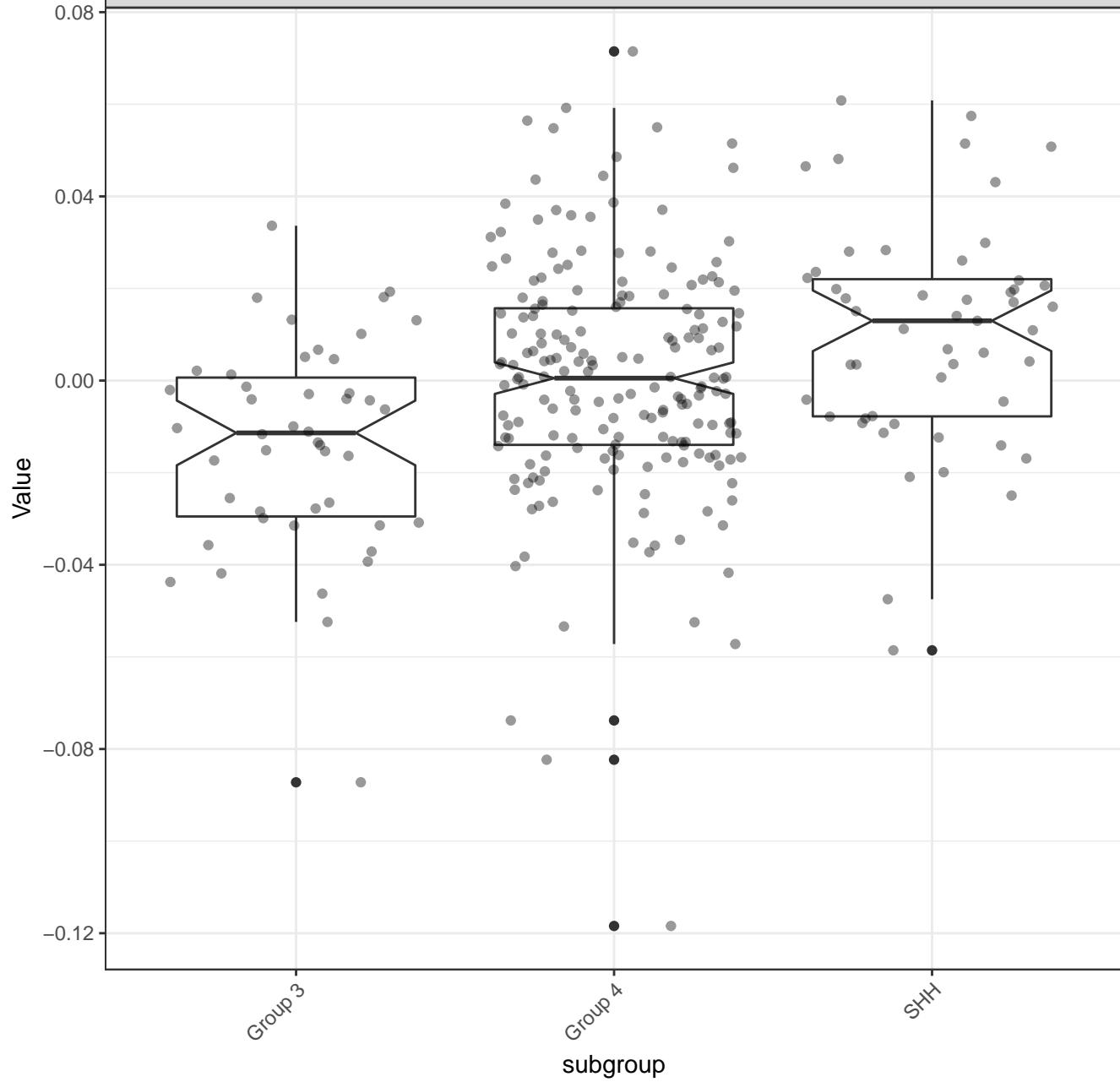
LV 452



LV 453



LV 454



LV 455

Value

0.05

0.00

-0.05

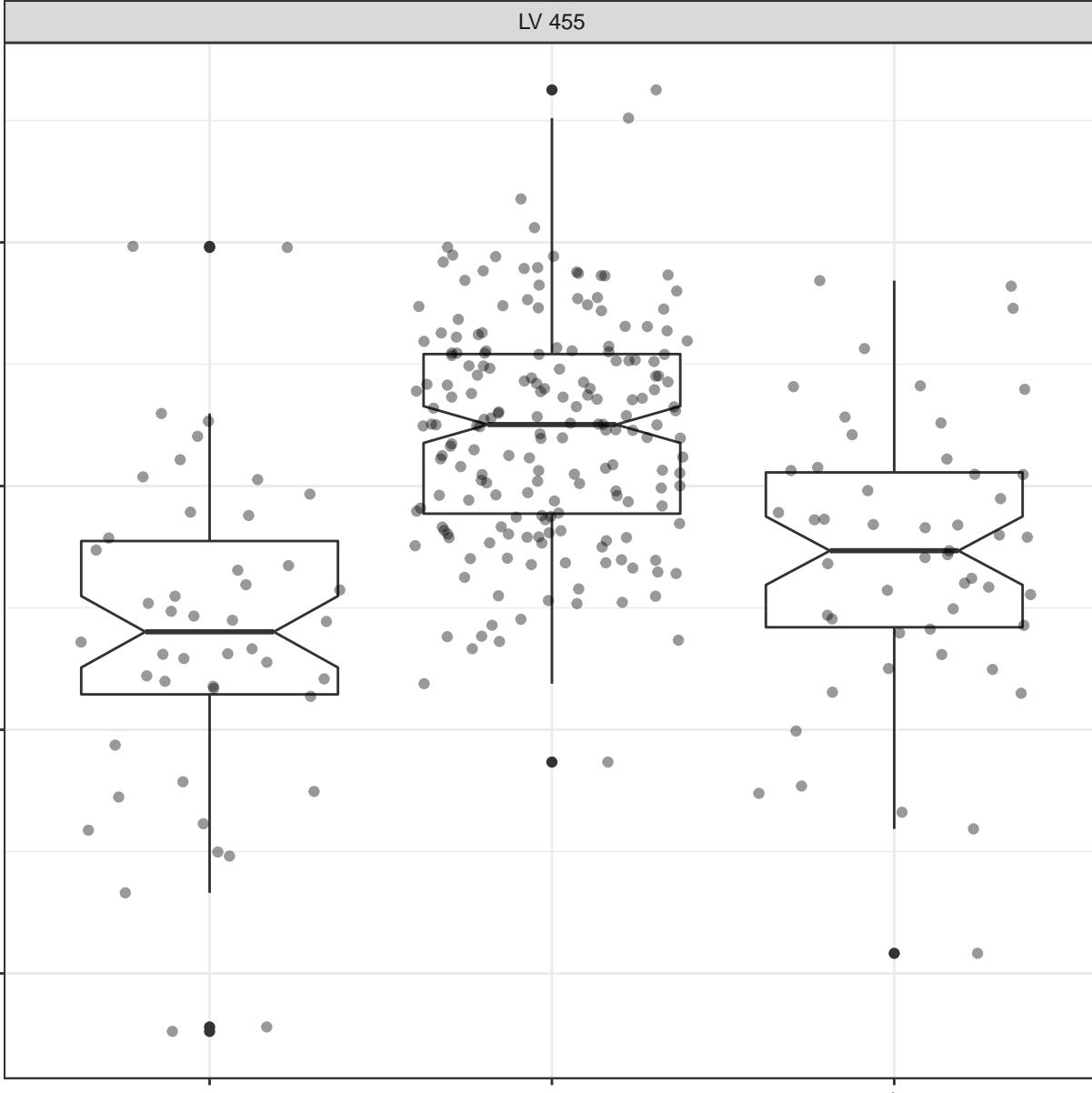
-0.10

Group 3

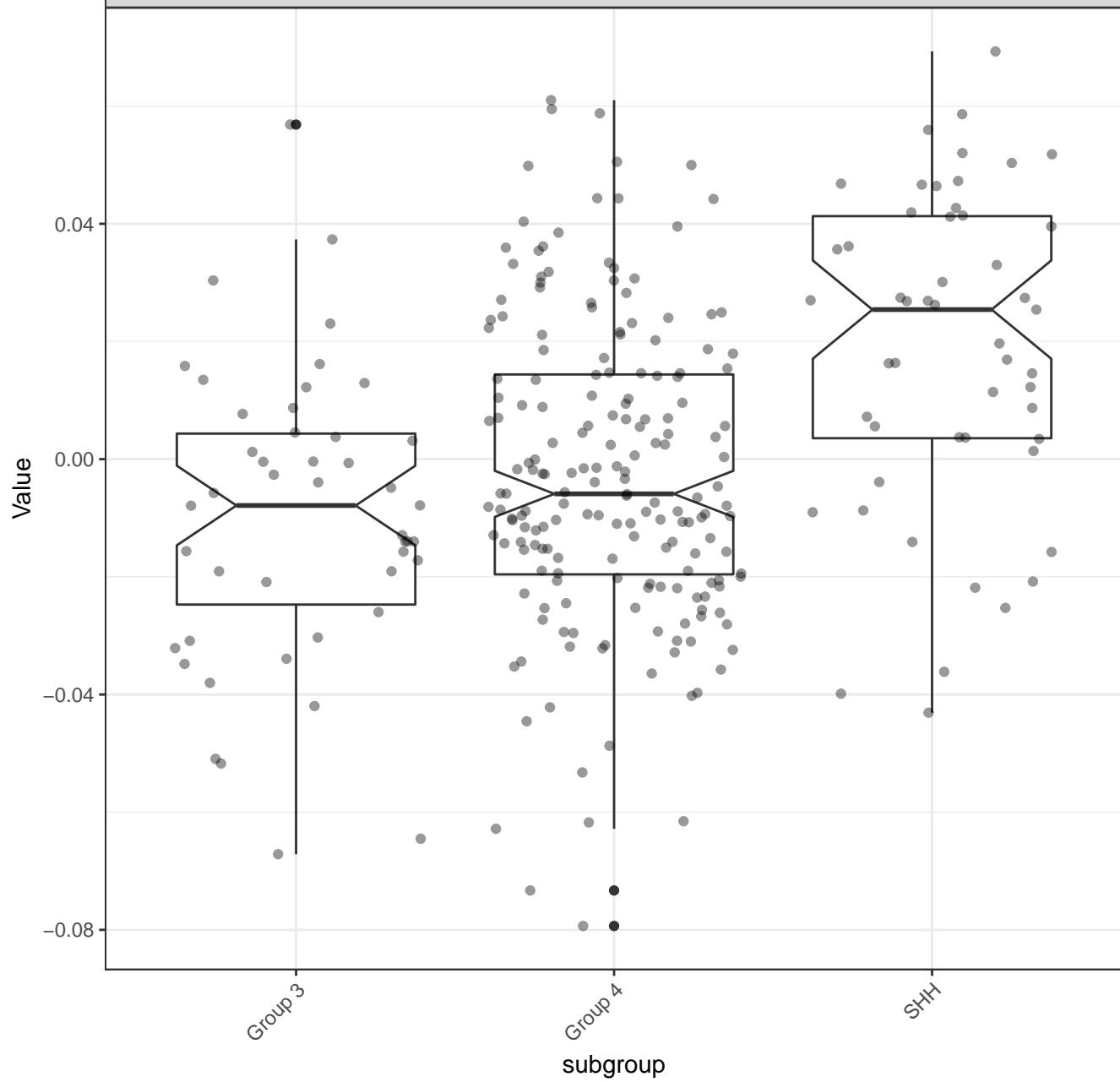
subgroup

Group 4

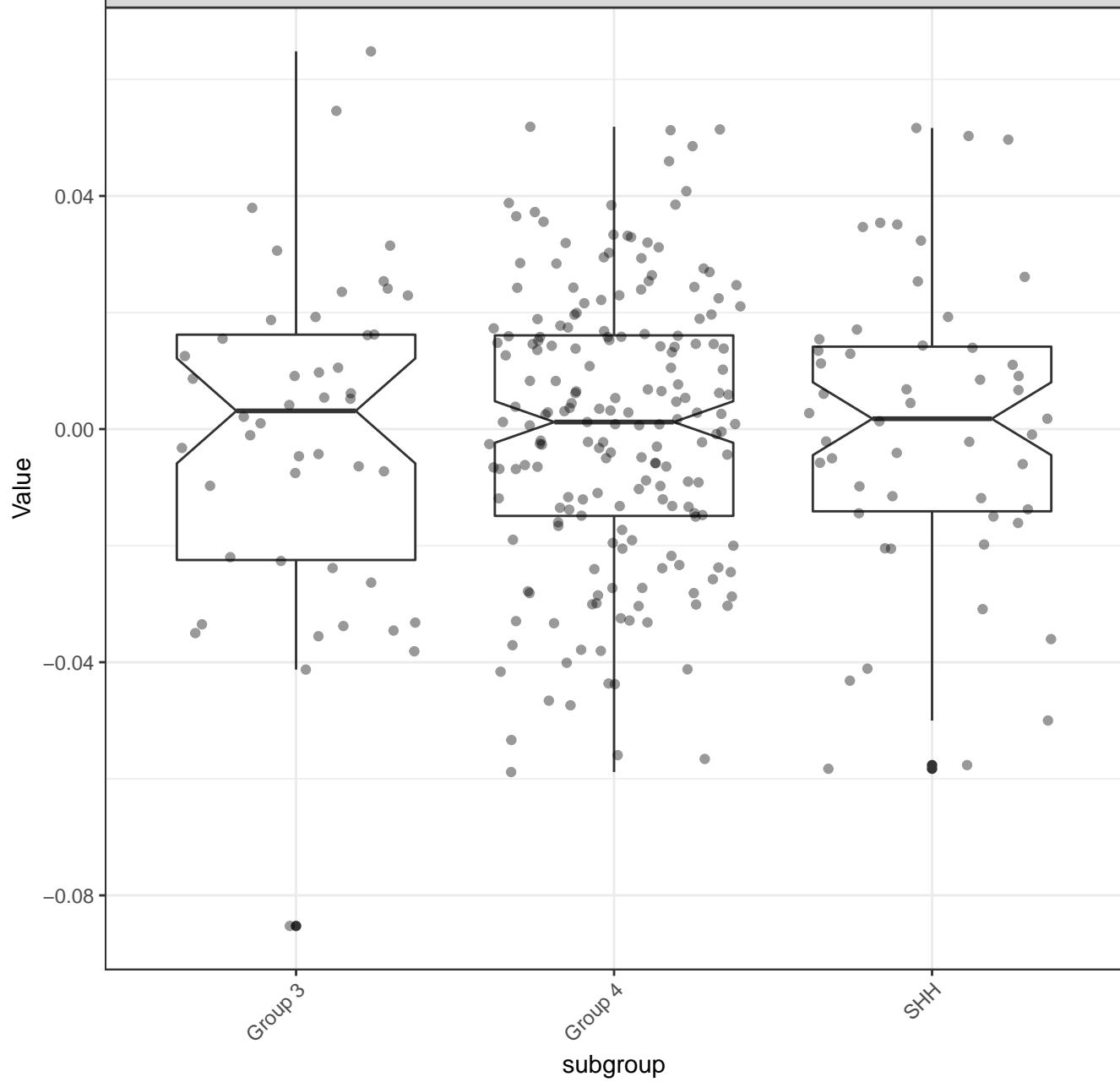
SHH



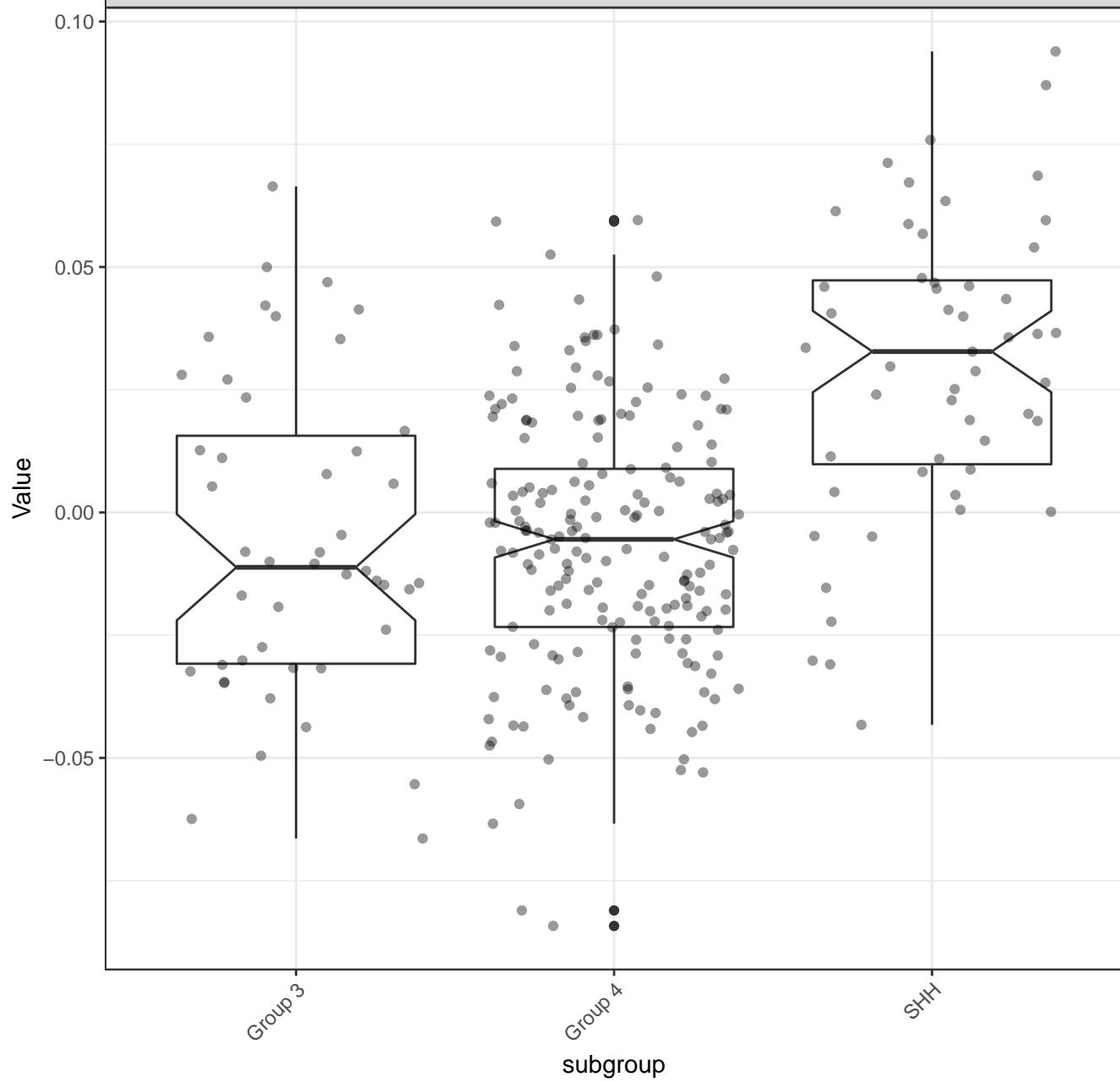
LV 456



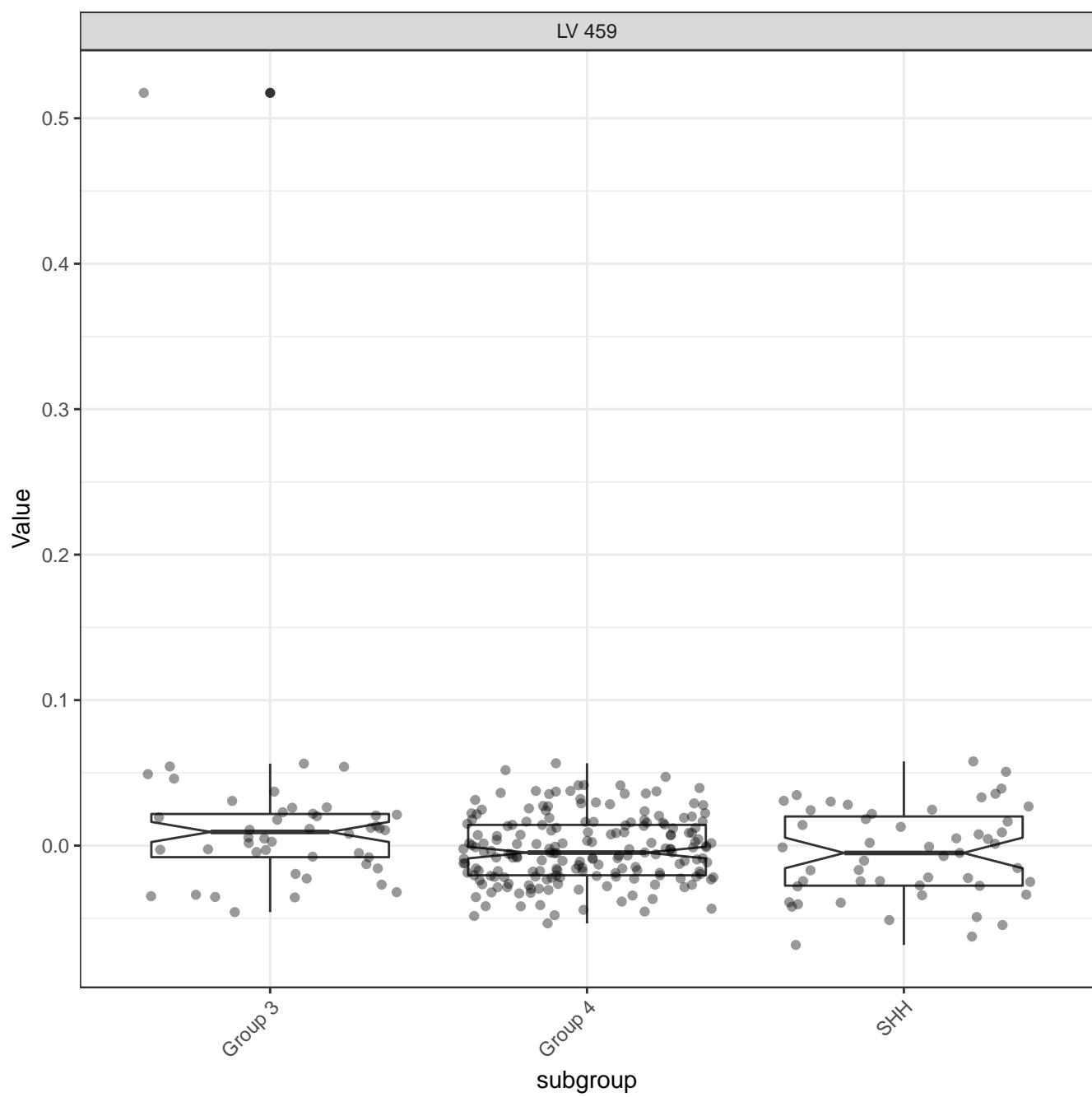
LV 457



LV 458



LV 459



LV 460

Value

0.05

0.00

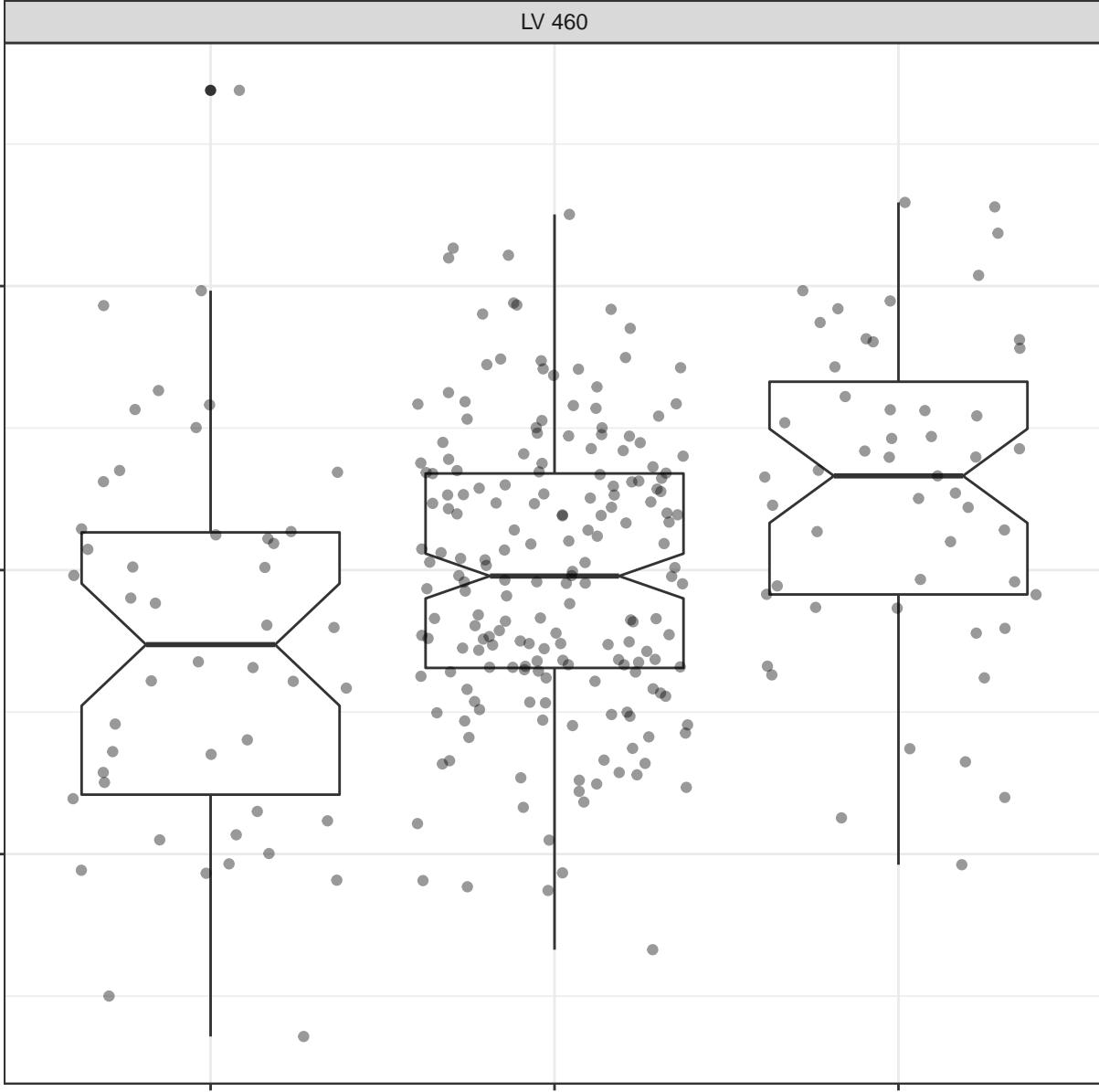
-0.05

Group 3

Group 4

SHH

subgroup



LV 461

Value

0.10

0.05

0.00

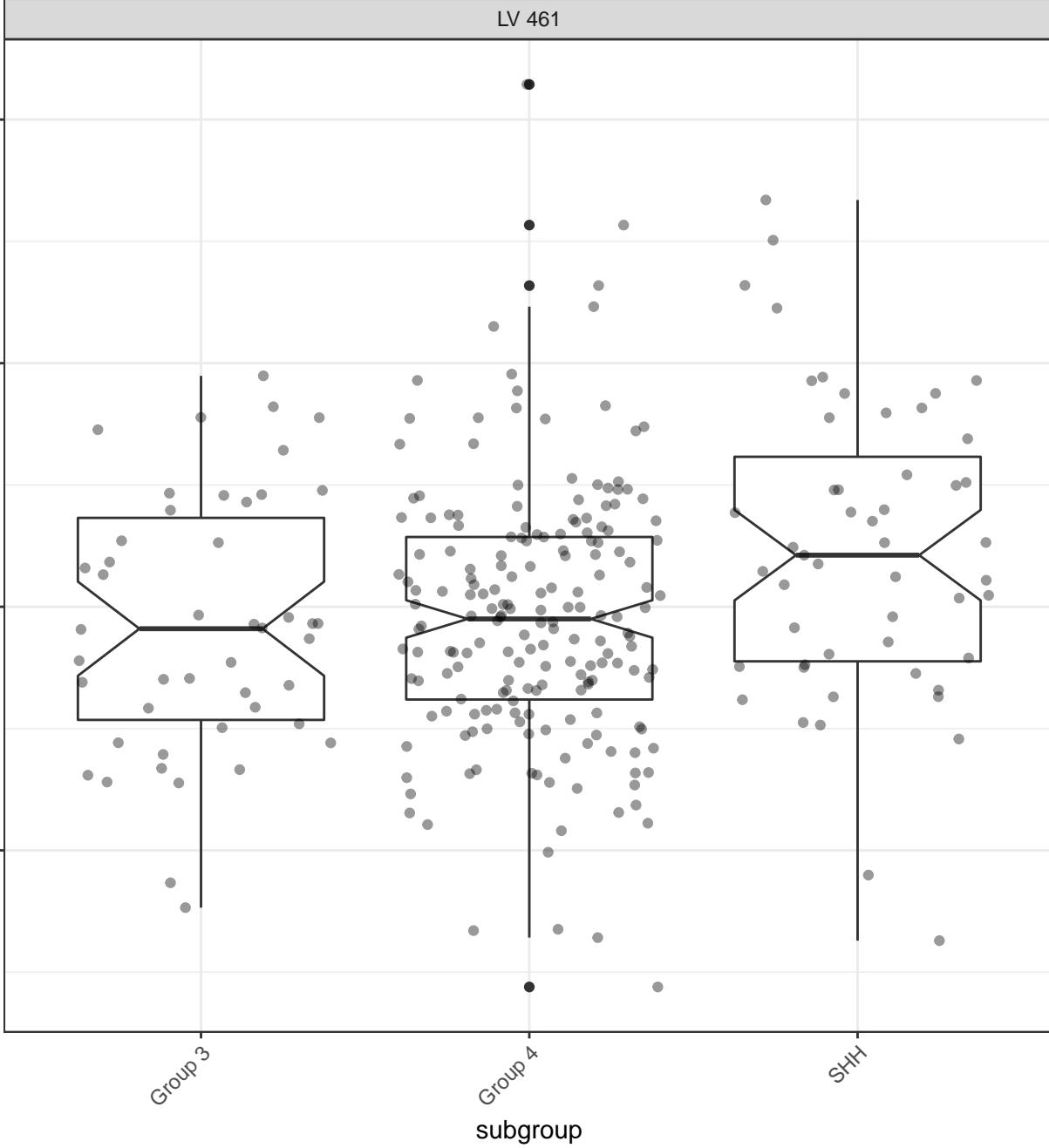
-0.05

Group 3

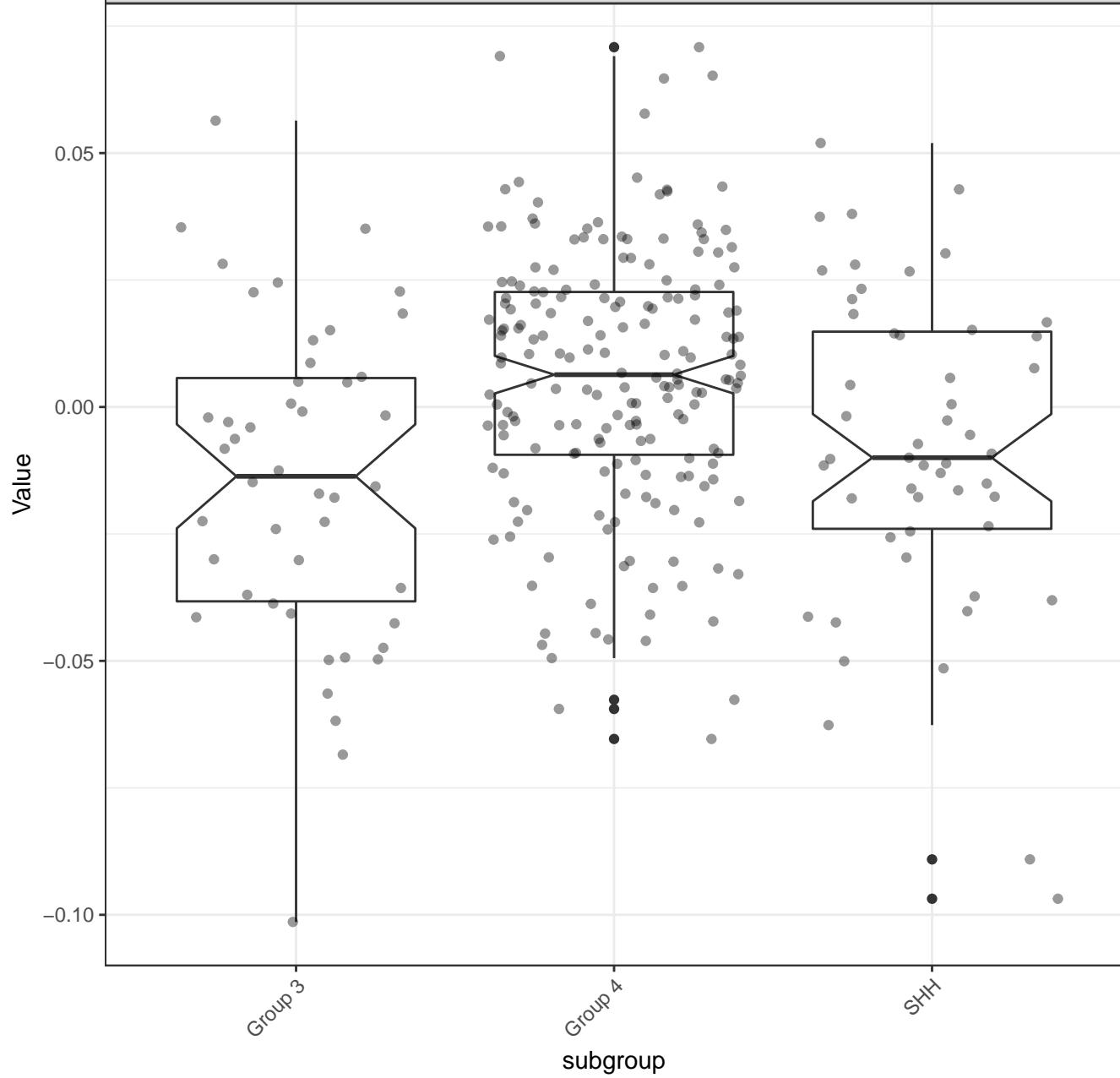
subgroup

Group 4

SHH

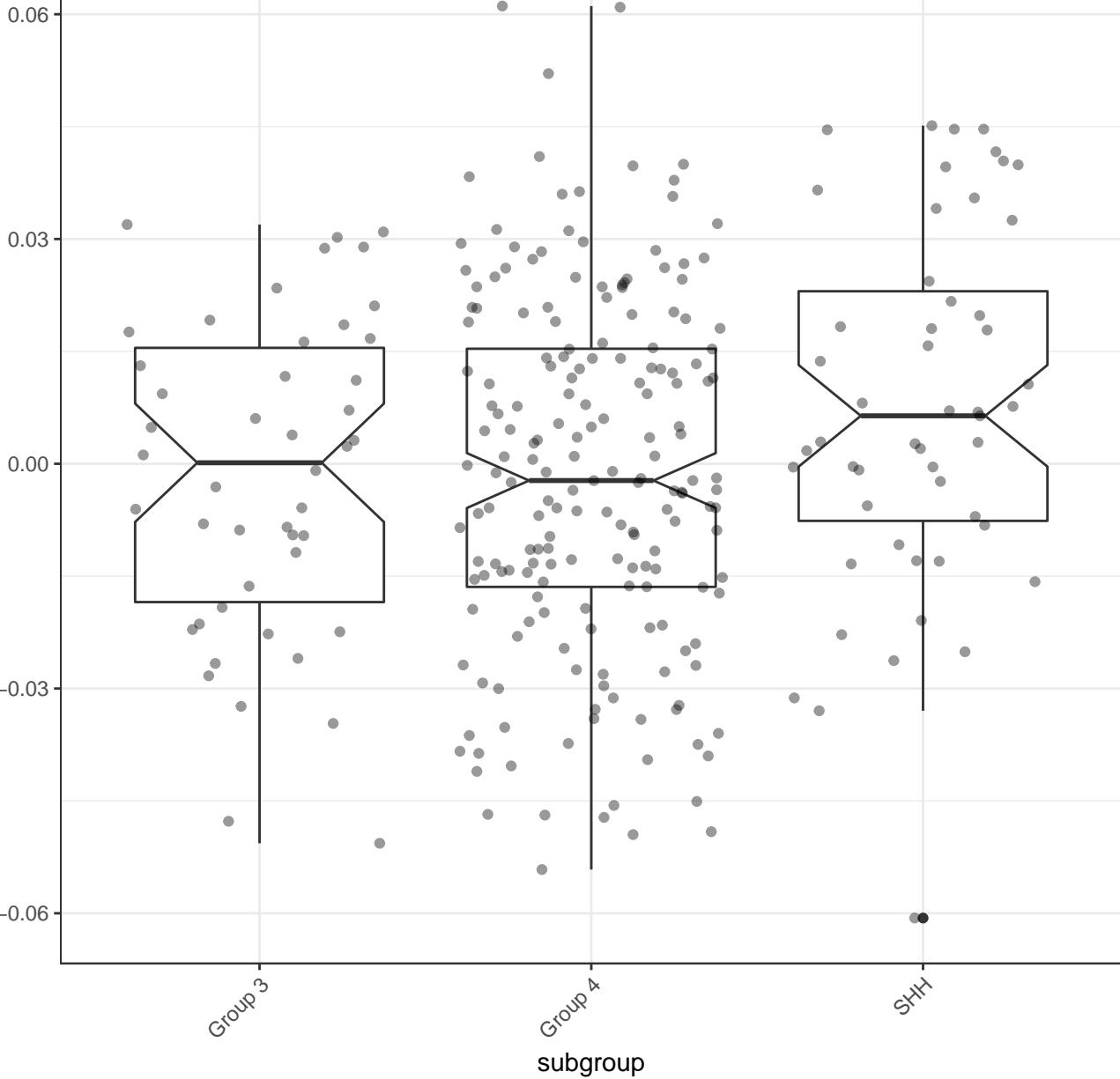


LV 462

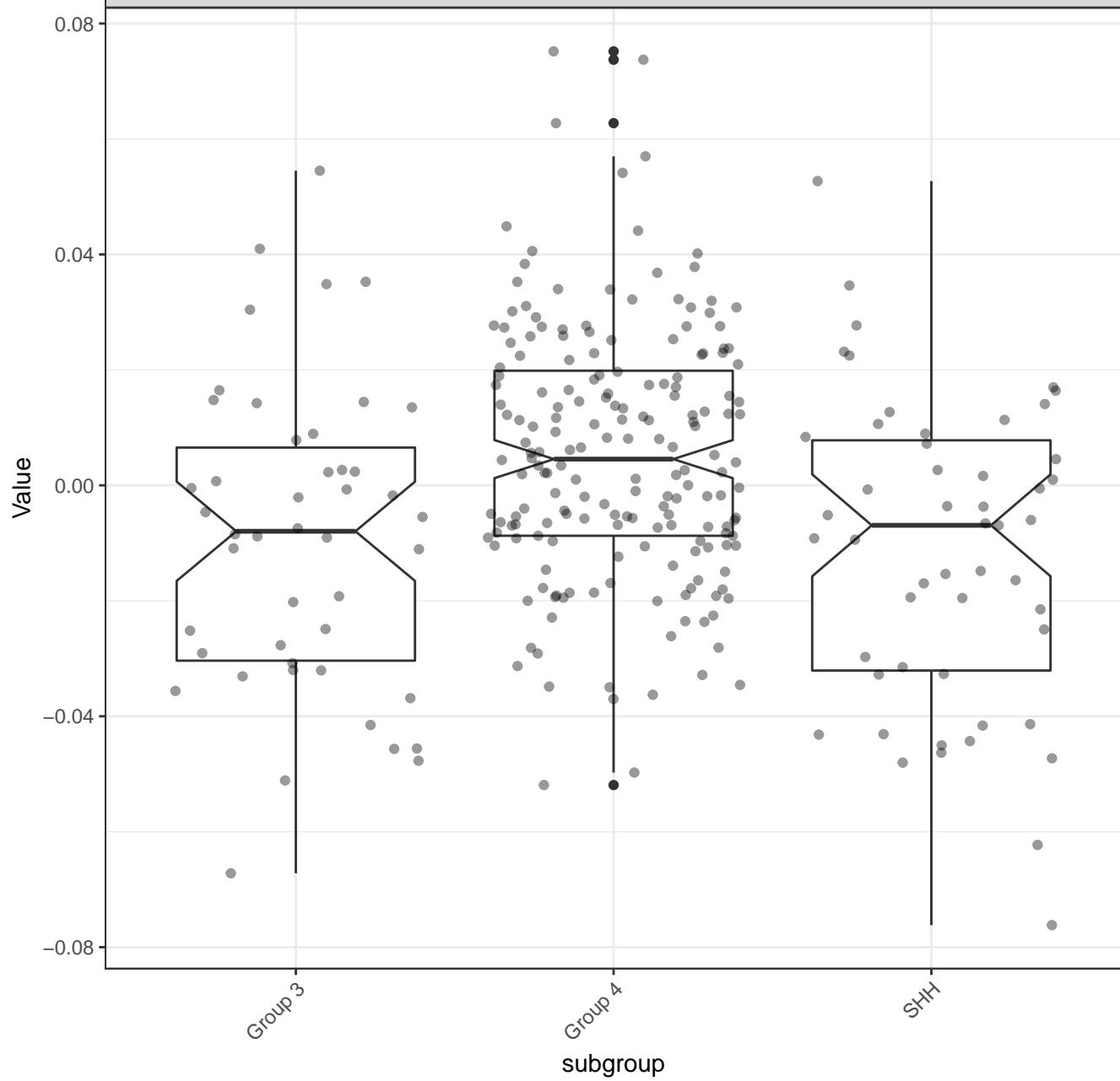


LV 463

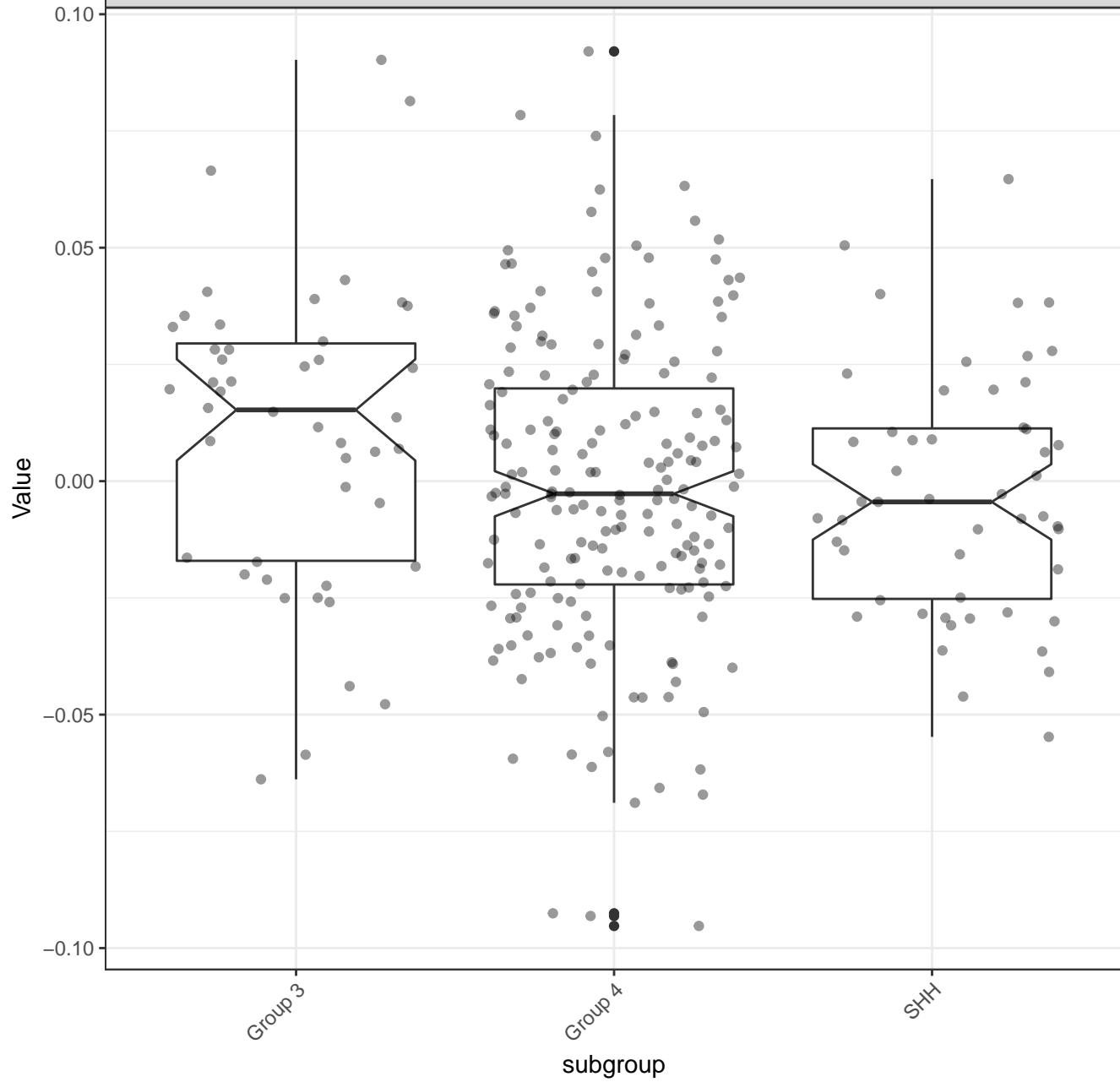
Value



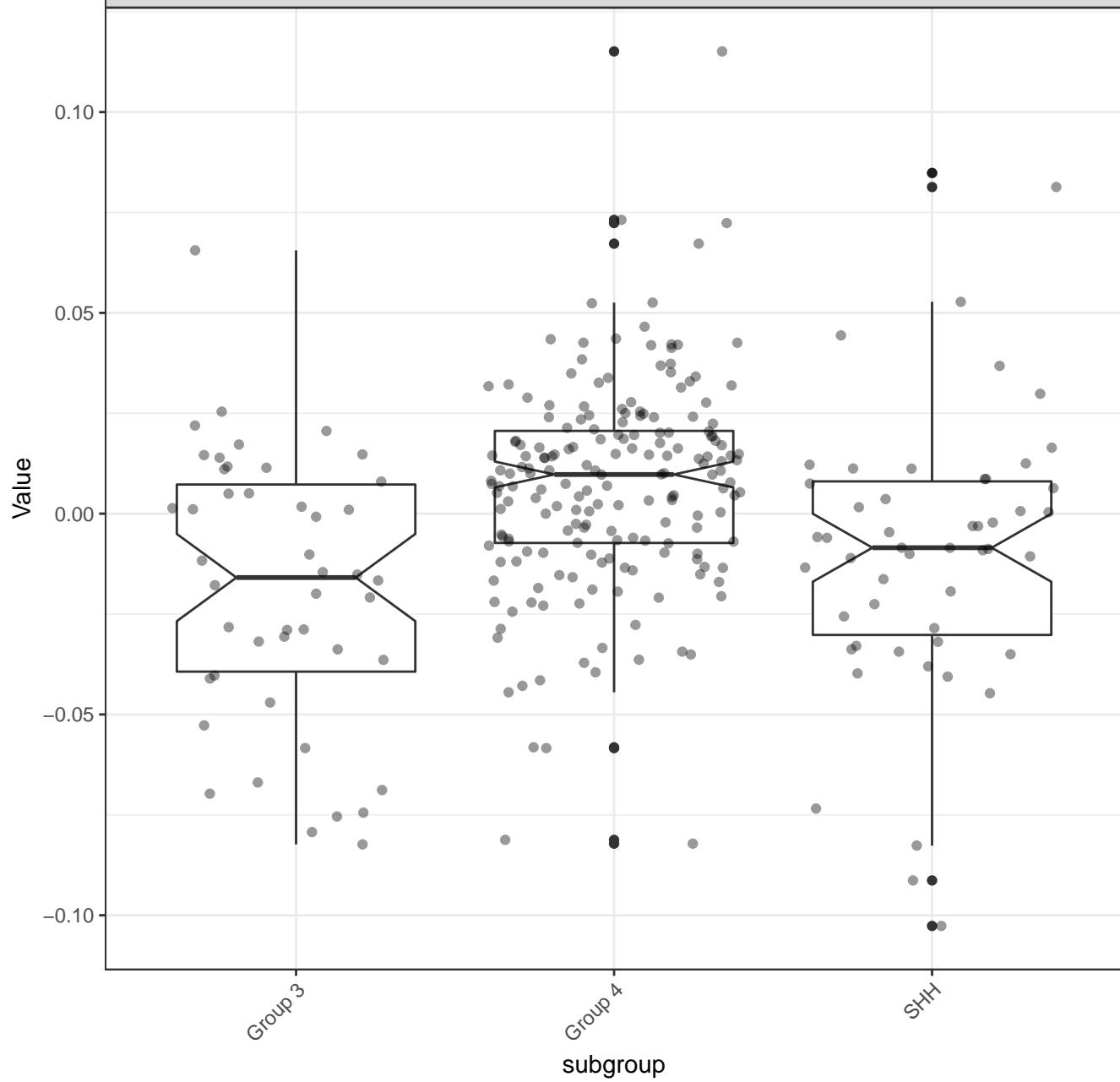
LV 464



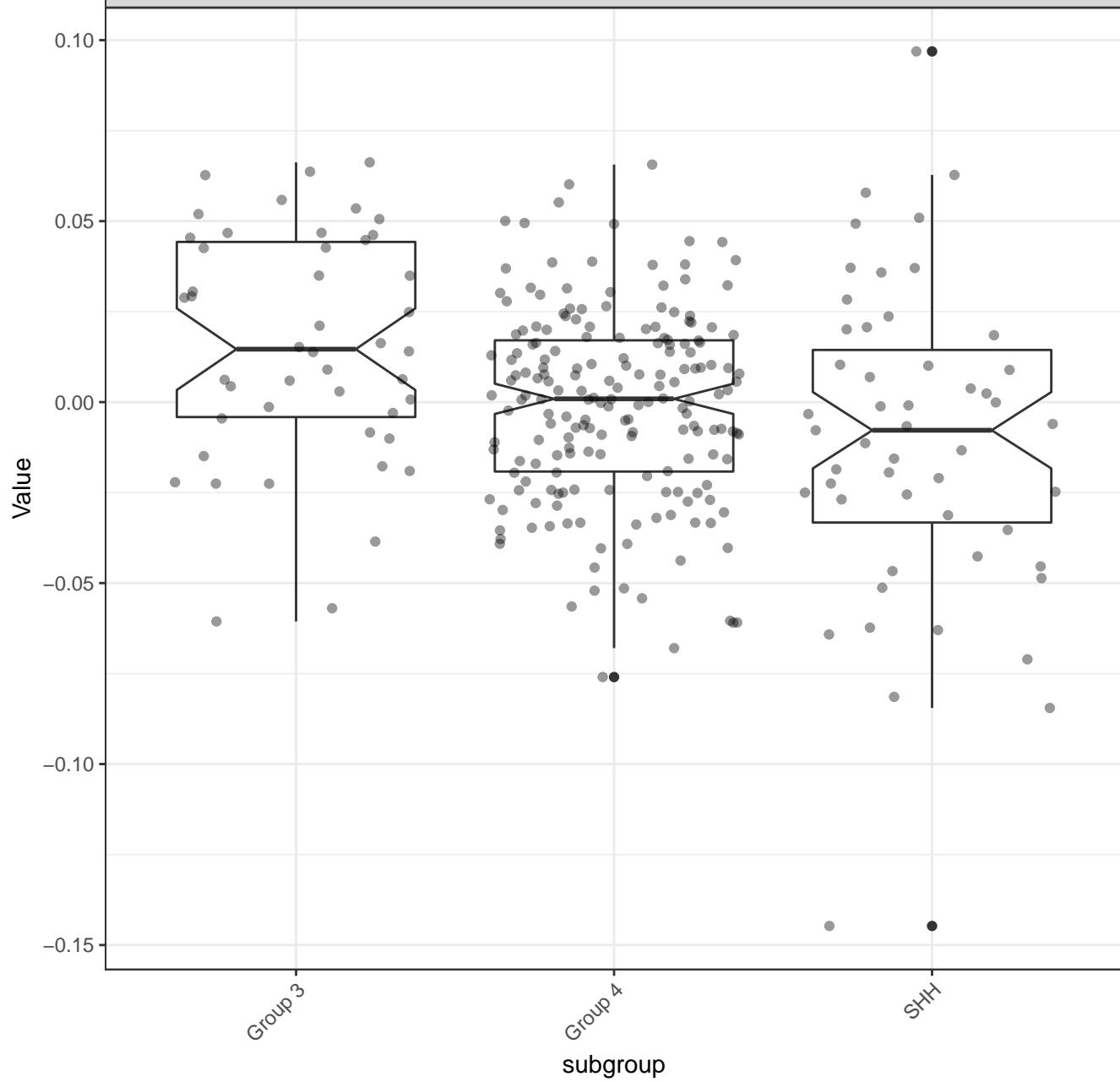
LV 465



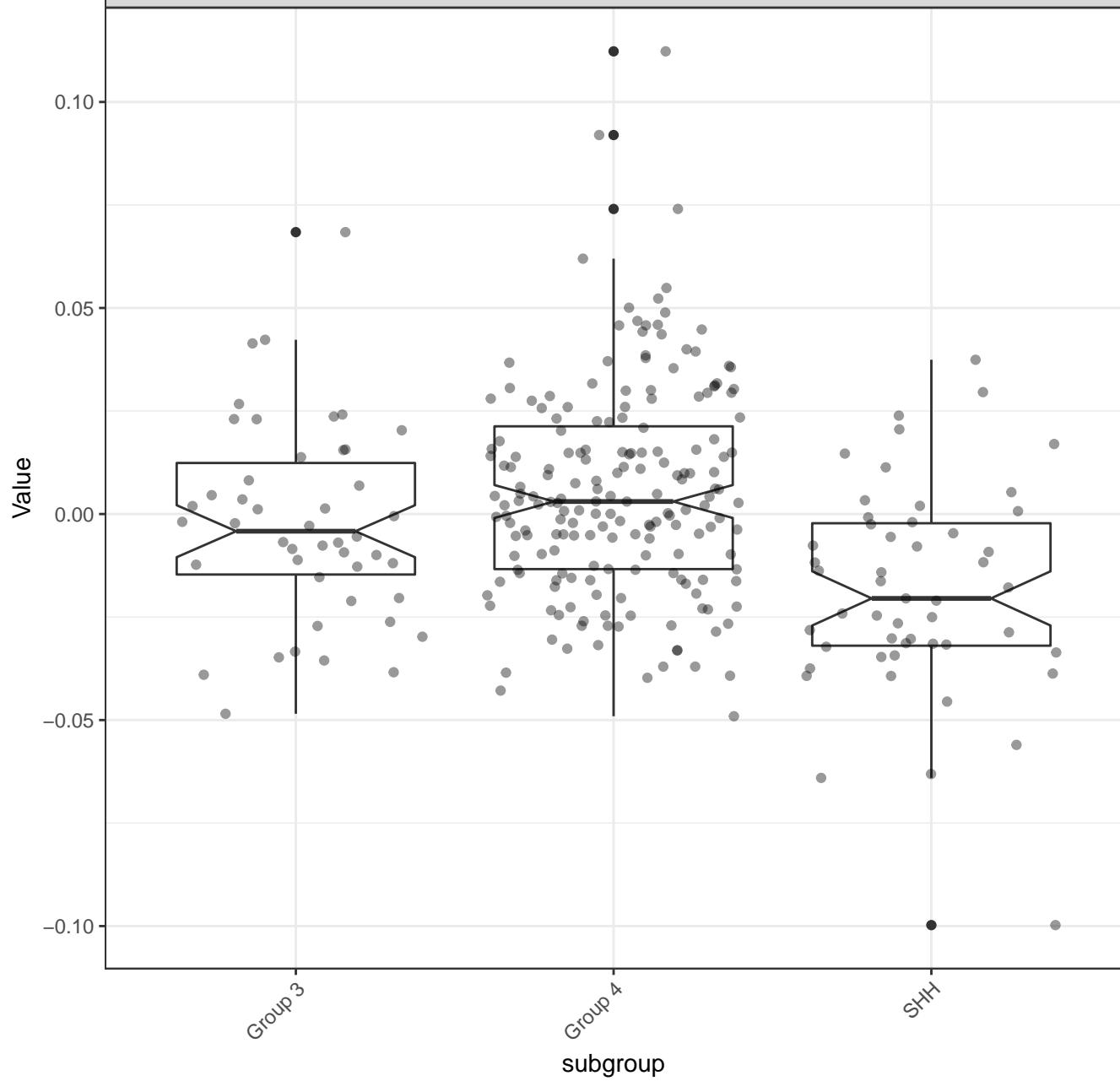
LV 466

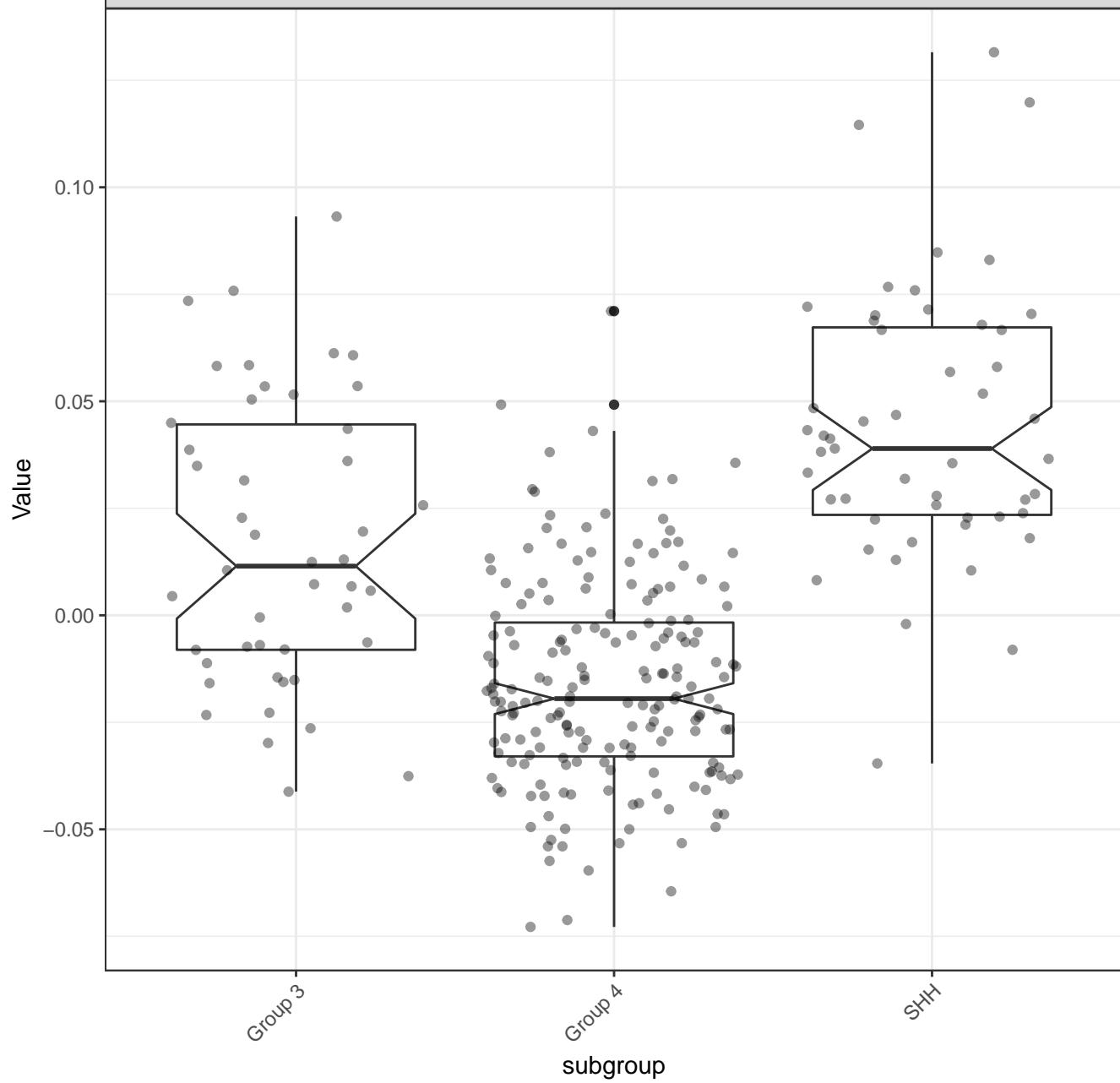


LV 467



LV 468





LV 470

Value

0.10

0.05

0.00

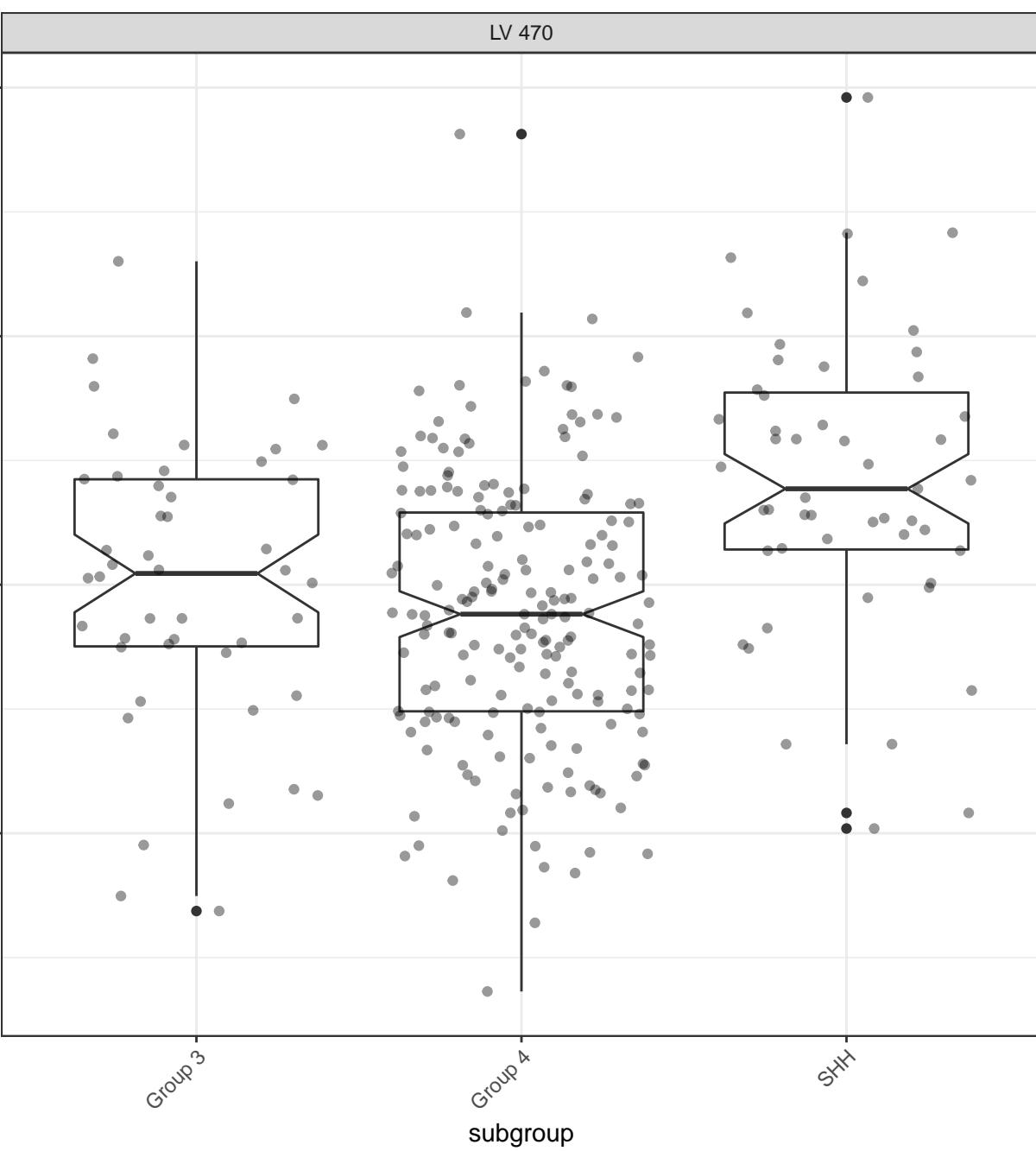
-0.05

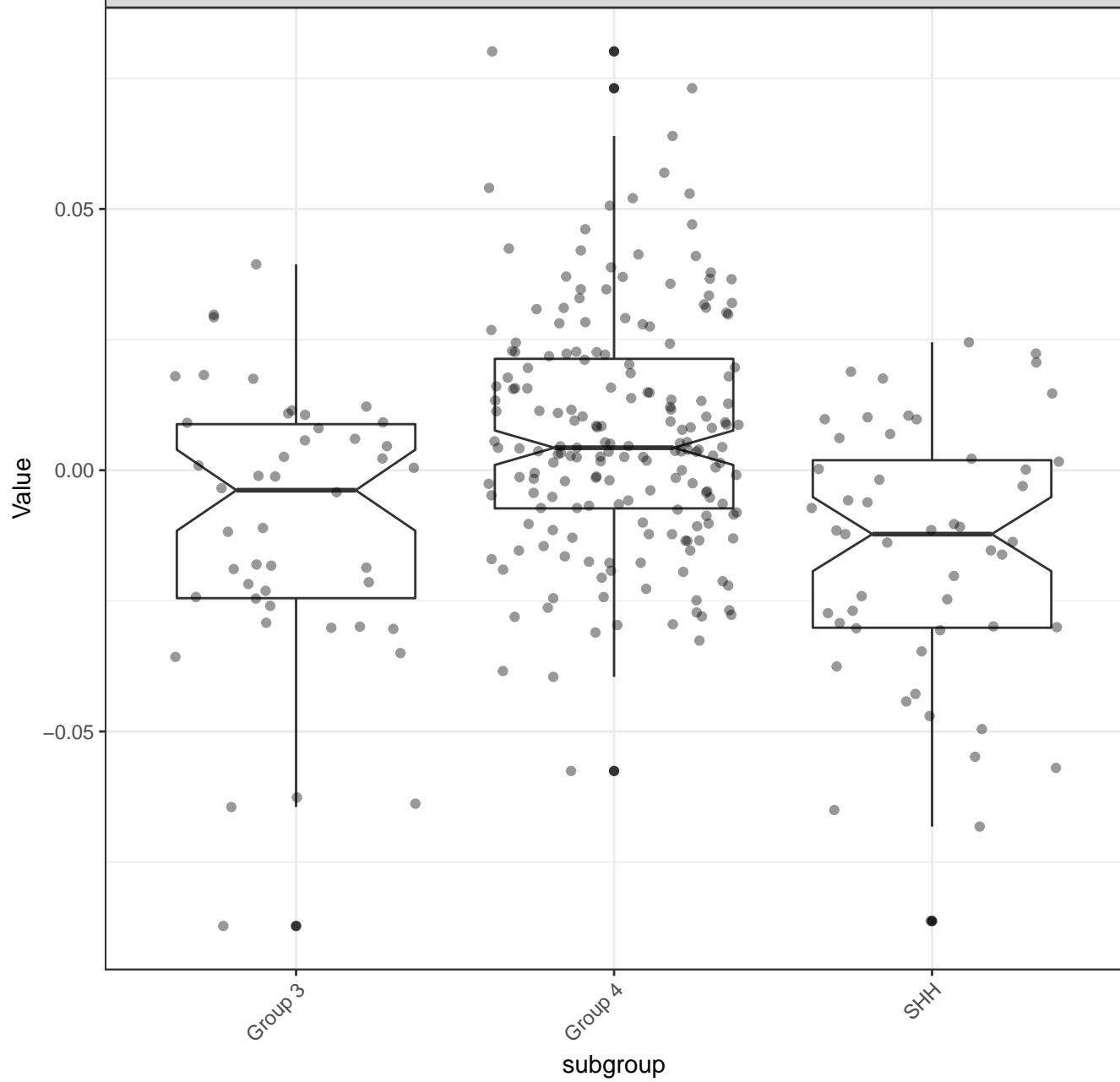
Group 3

subgroup

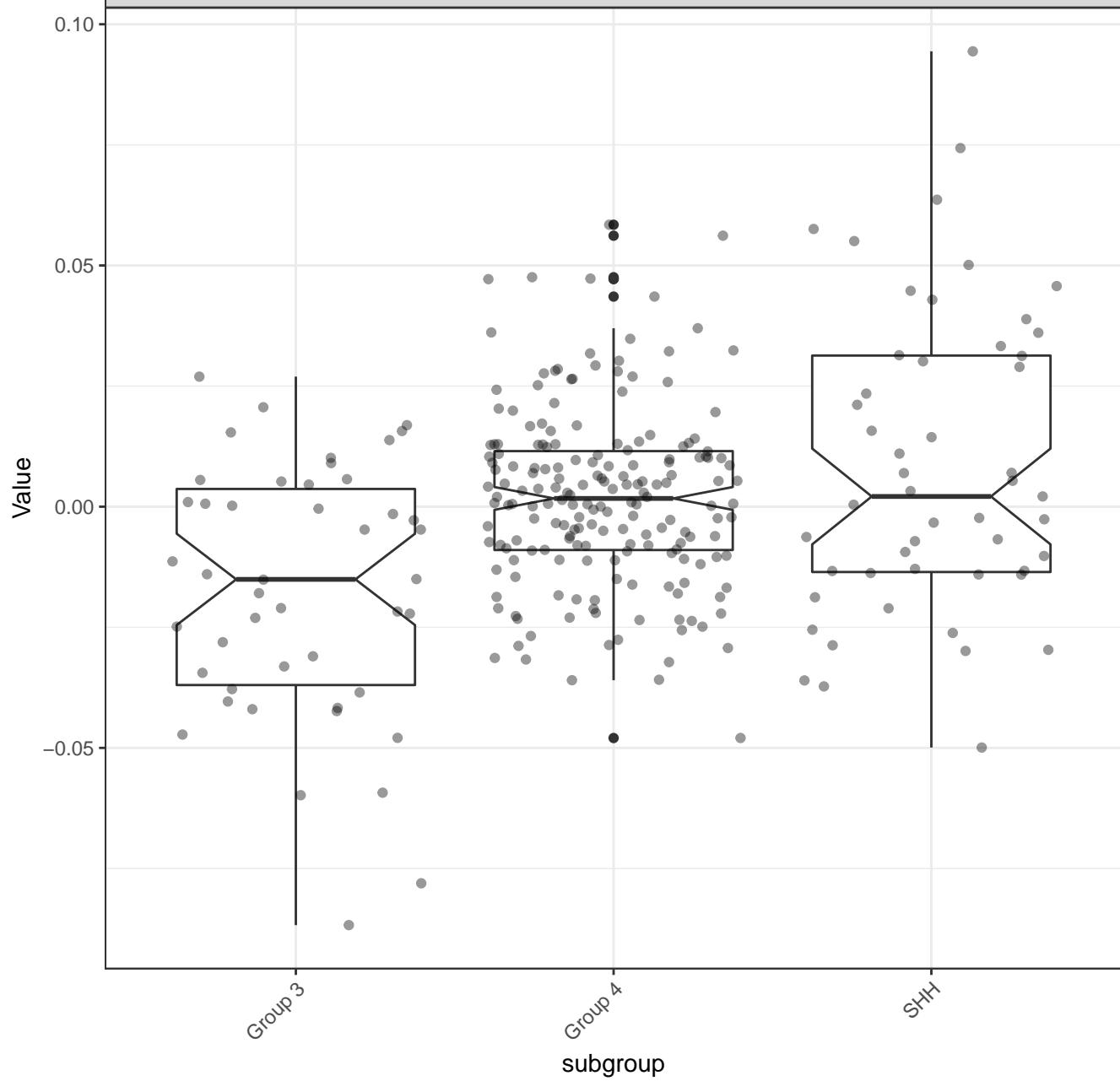
Group 4

SHH





LV 472



473,KEGG_COMPLEMENT_AND_COAGULATION_CASCADES

Value

0.10

0.05

0.00

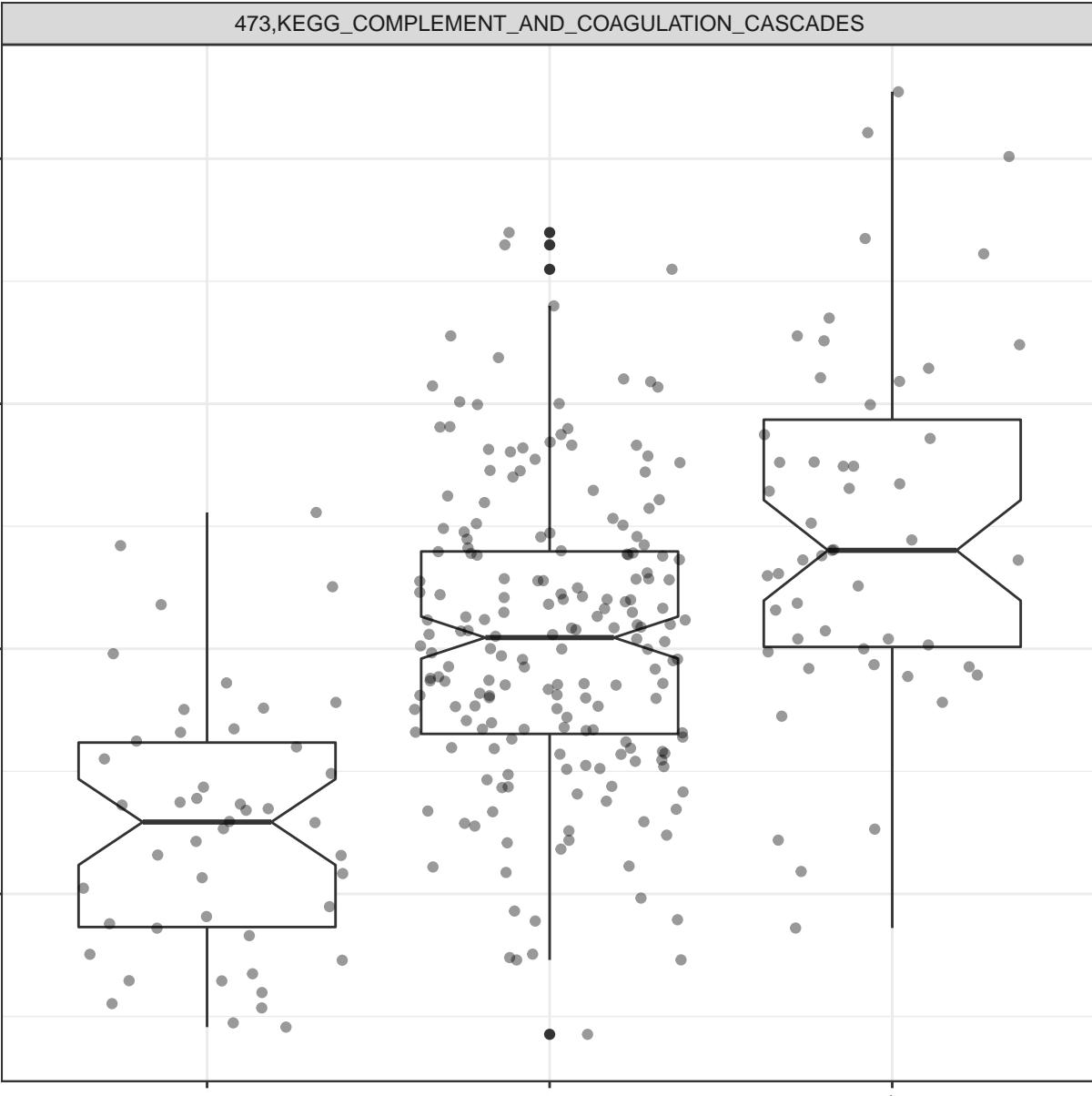
-0.05

Group 3

subgroup

Group 4

SHH



LV 474

Value

0.08

0.04

0.00

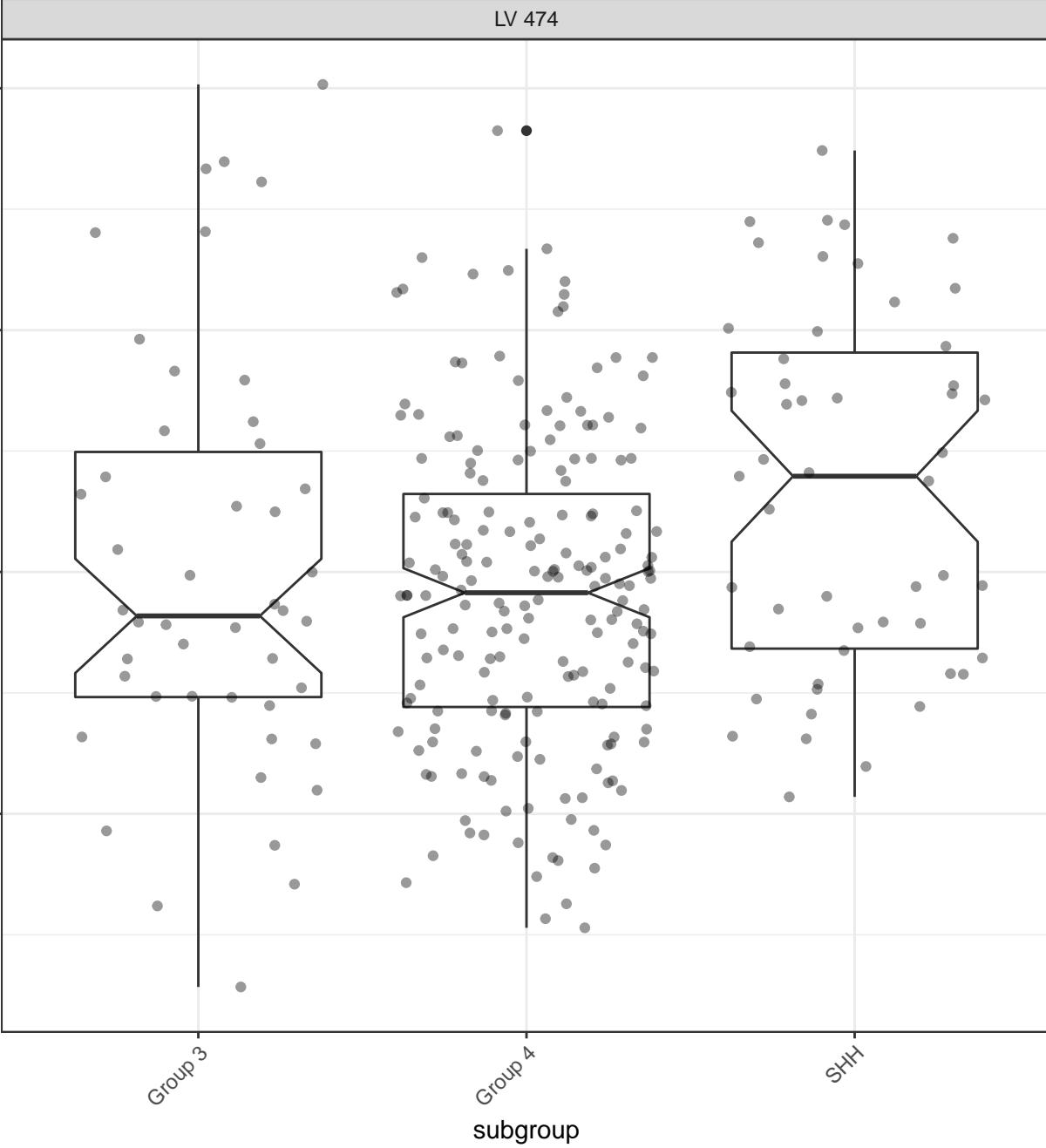
-0.04

Group 3

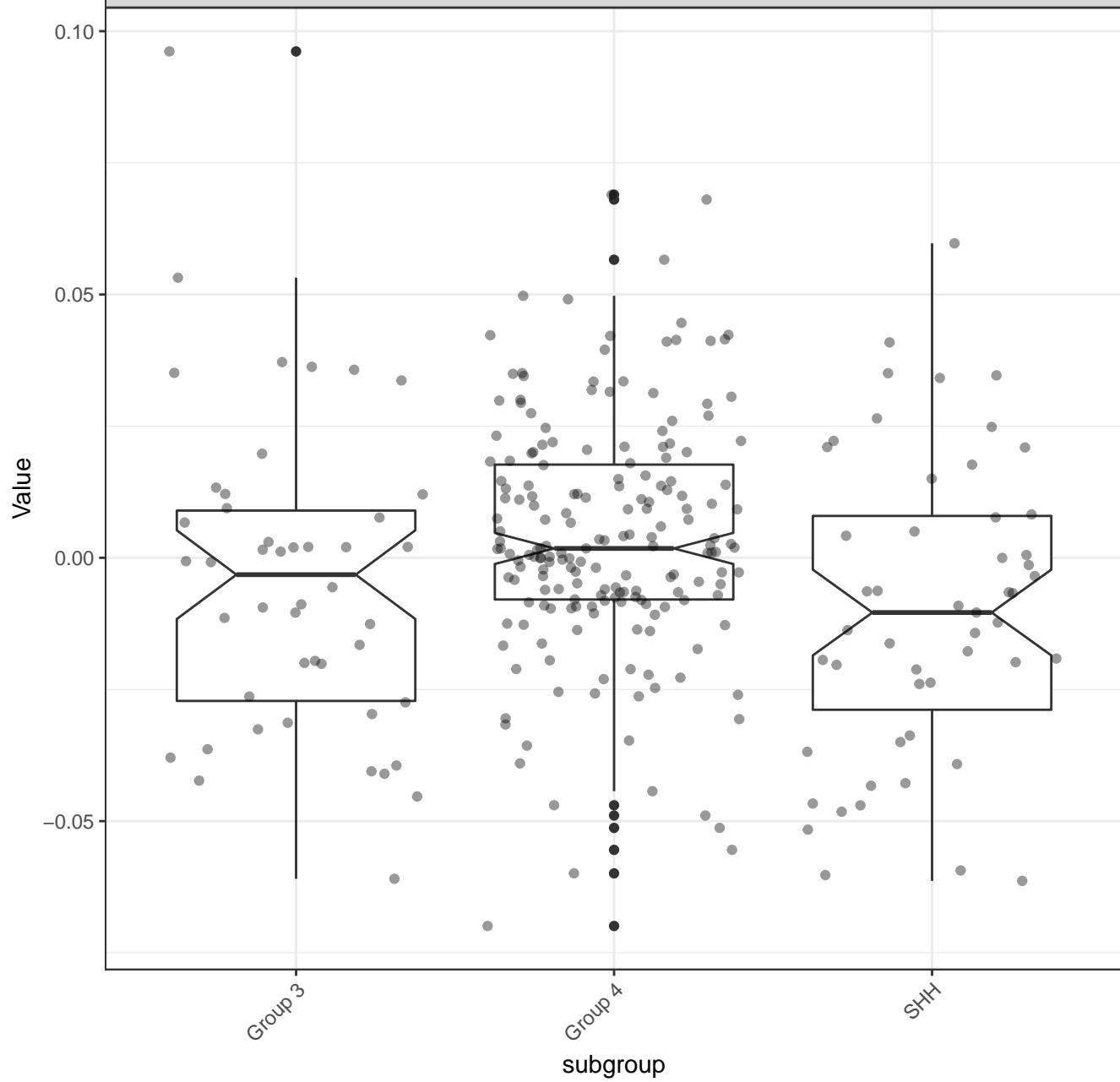
Group 4

SHH

subgroup



LV 475



LV 476

Value

0.05

0.00

-0.05

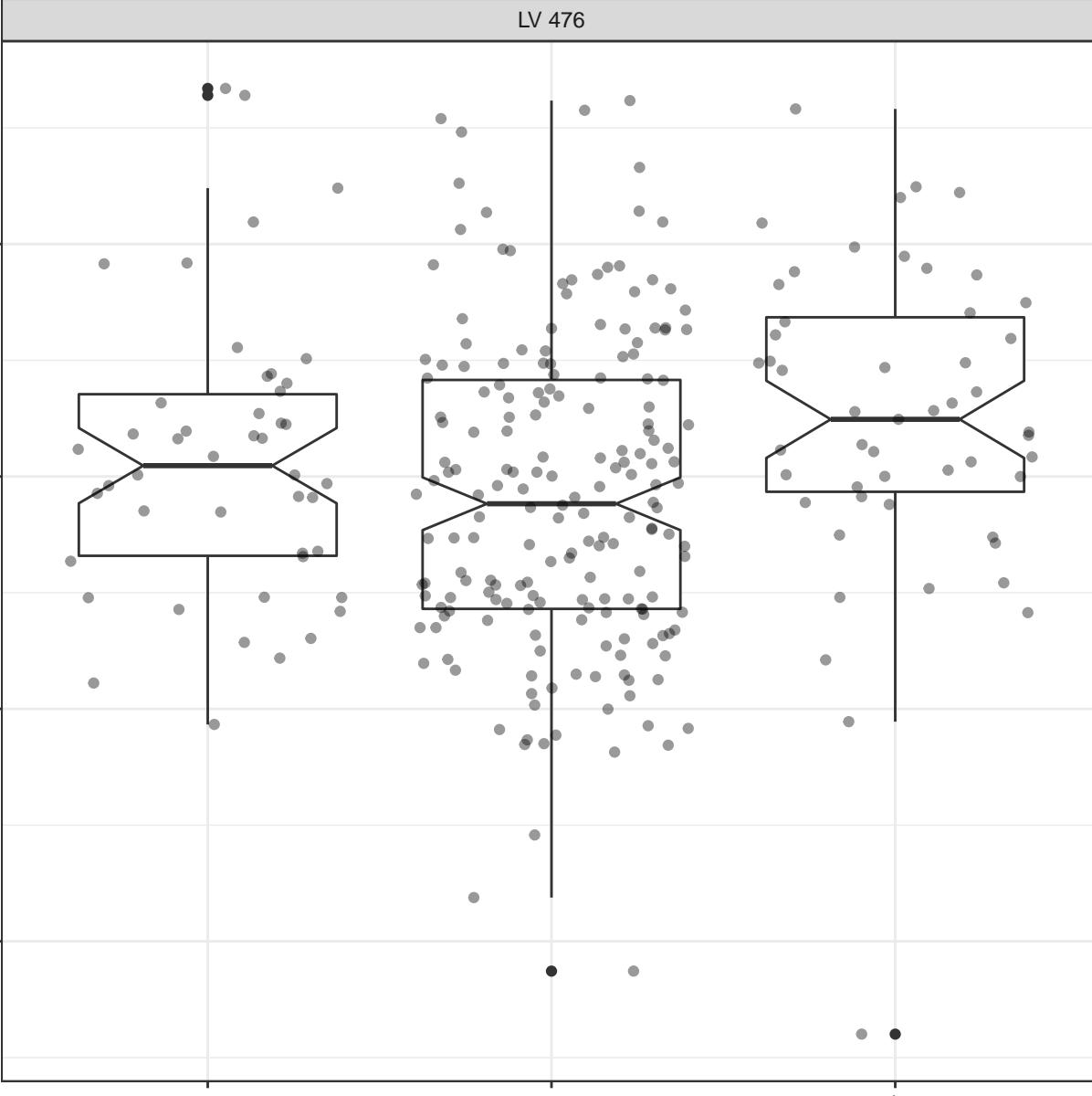
-0.10

Group 3

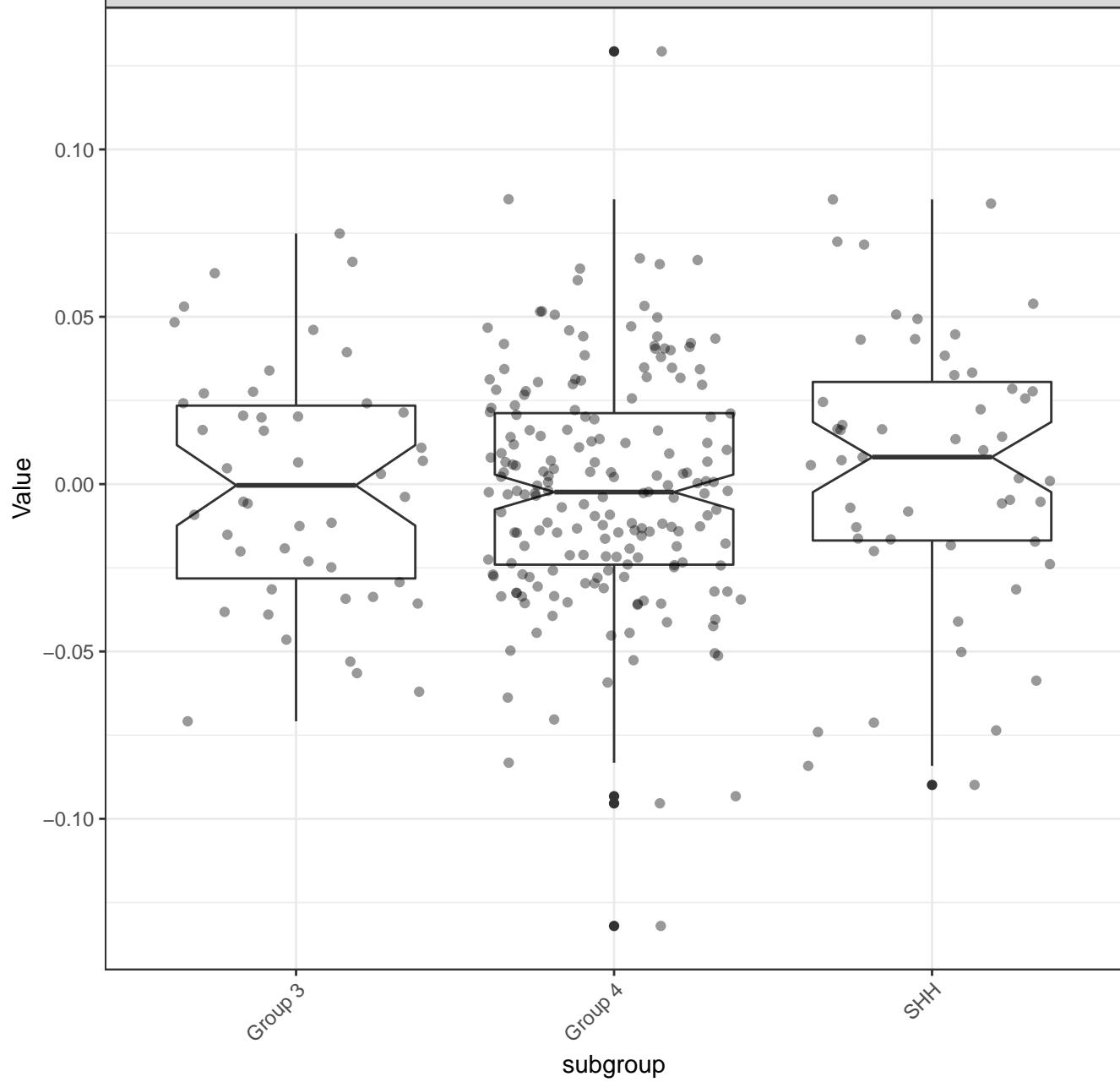
subgroup

Group 4

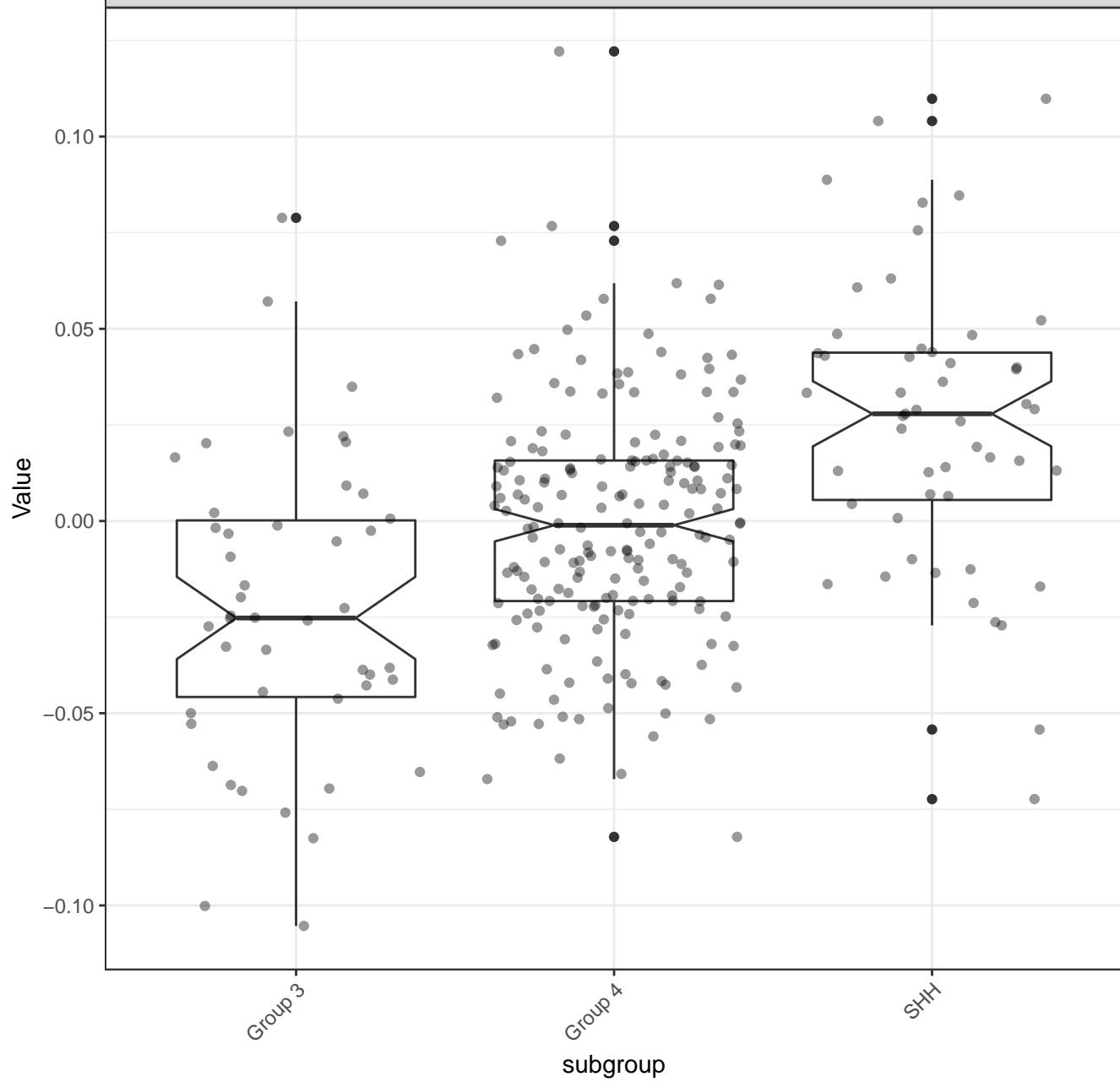
SHH



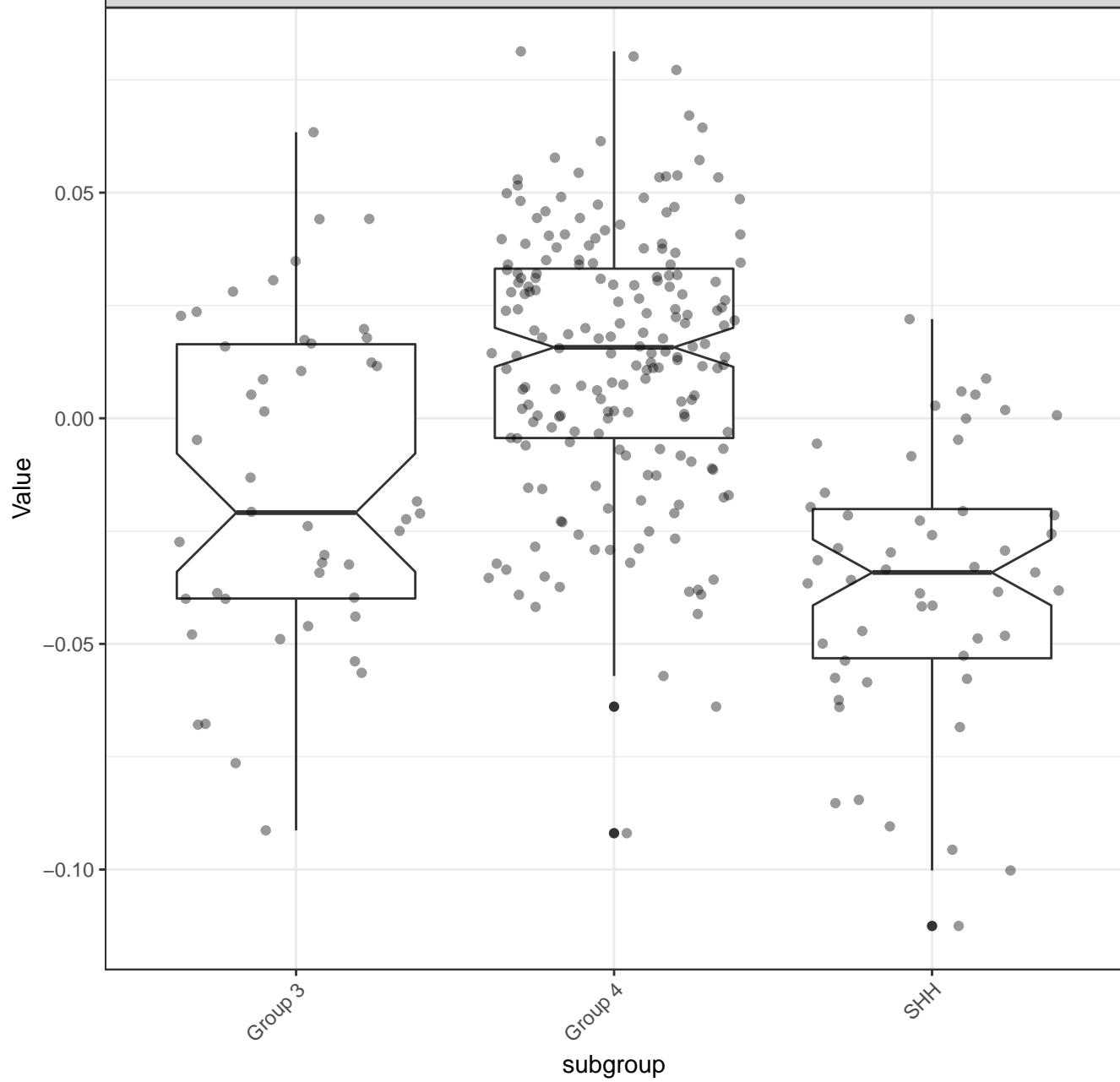
LV 477



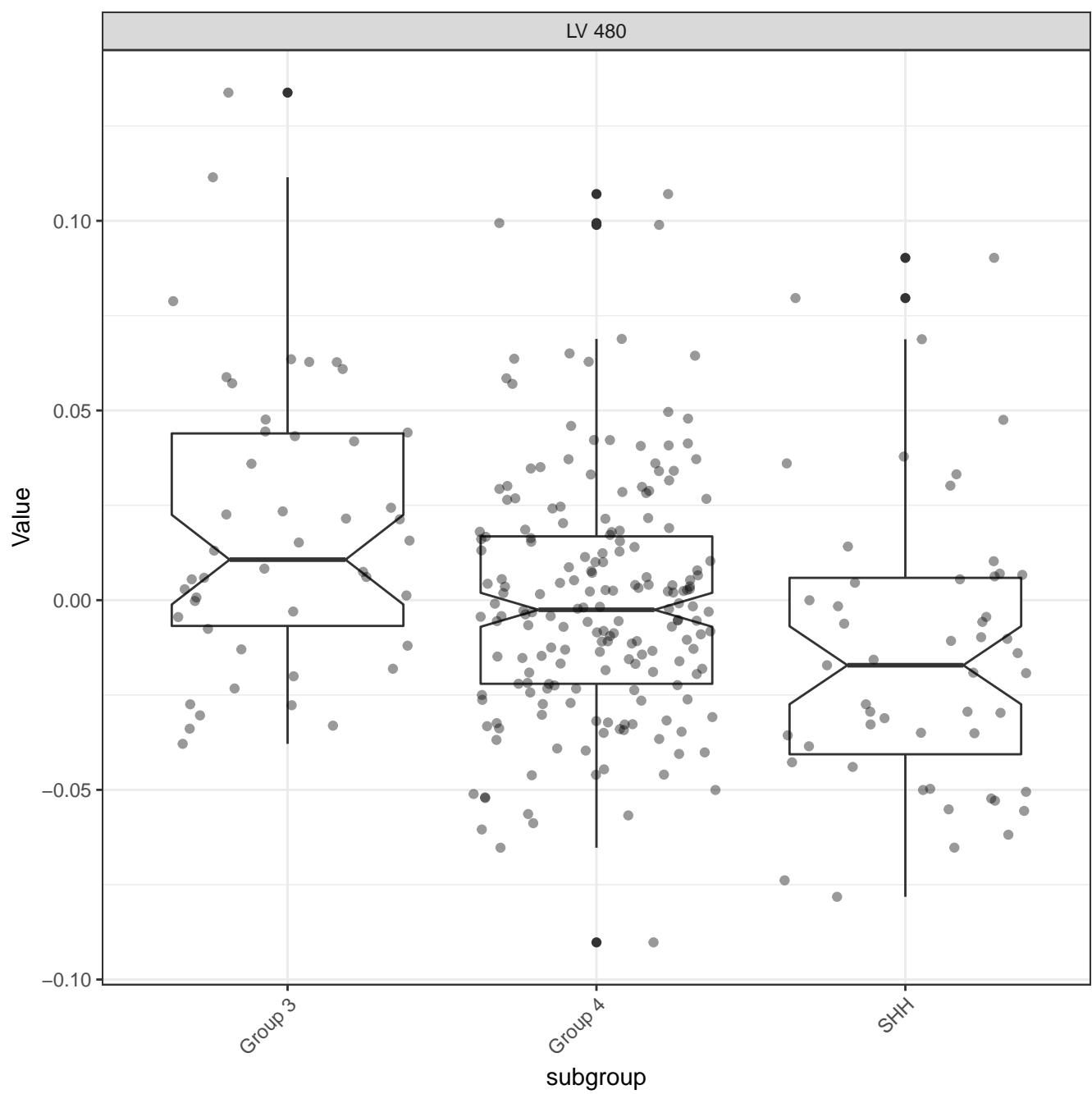
LV 478



LV 479



LV 480



LV 481

Value

0.2

0.1

0.0

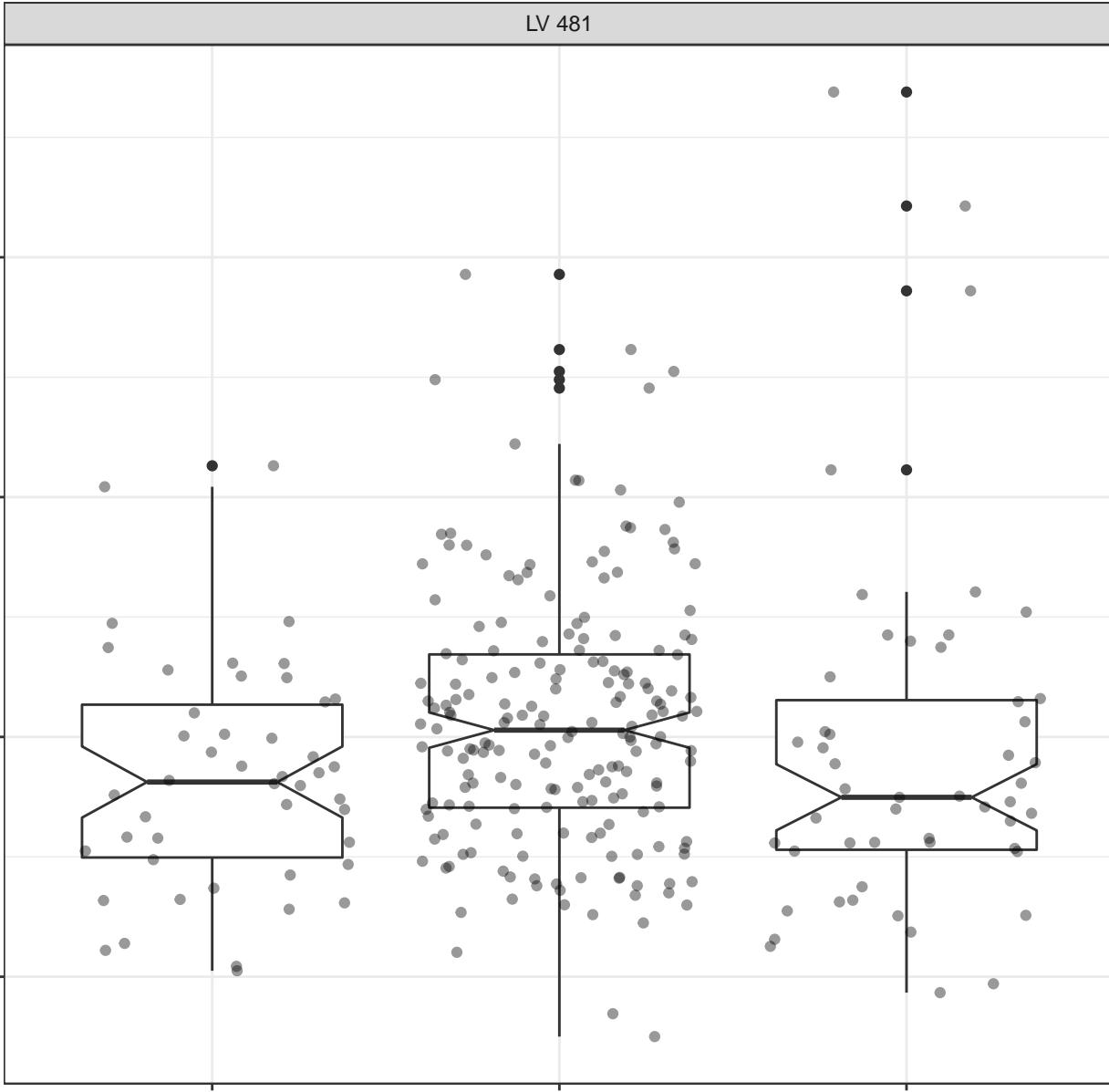
-0.1

Group 3

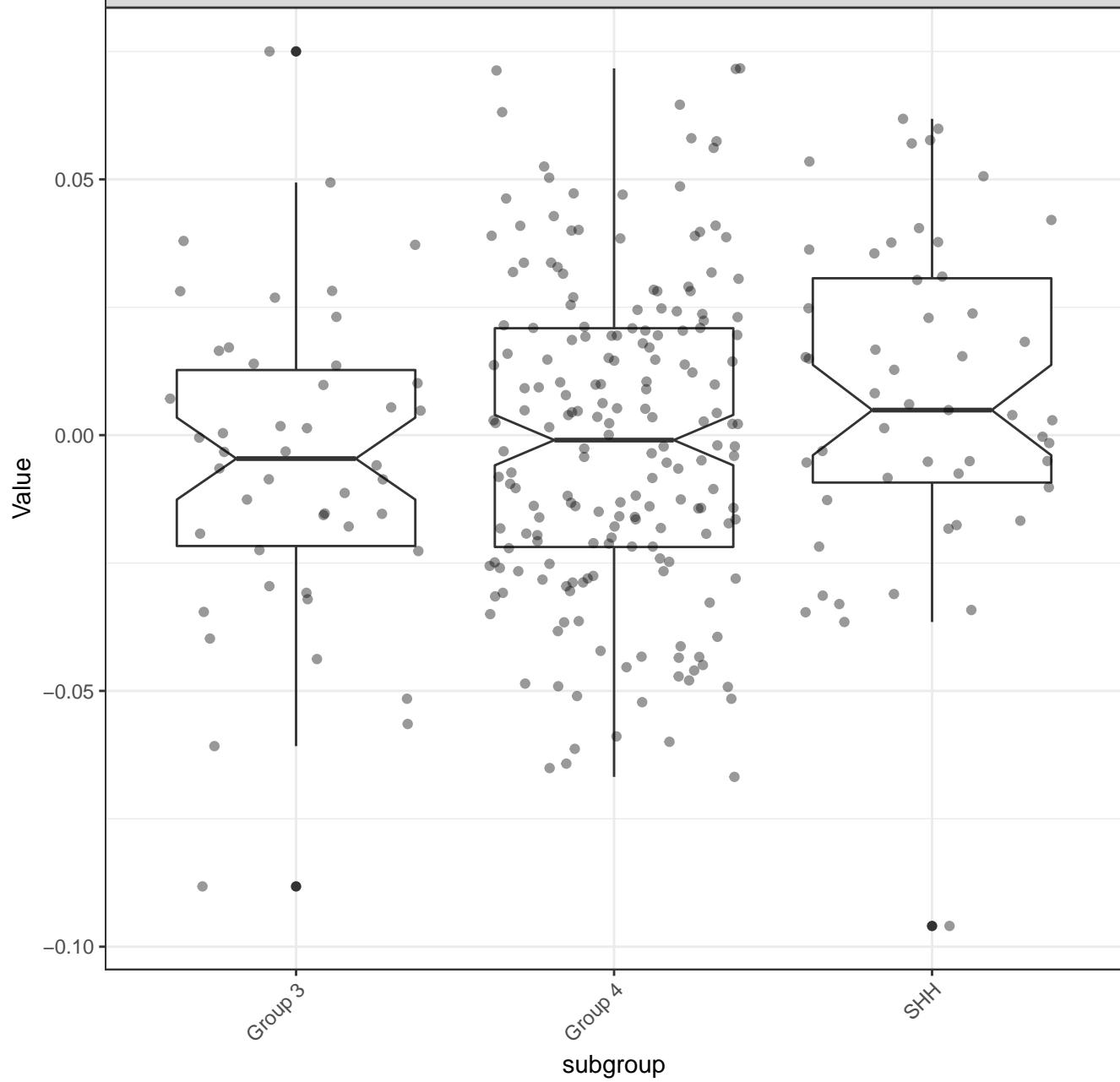
subgroup

Group 4

SHH



LV 482



LV 483

Value

0.10

0.05

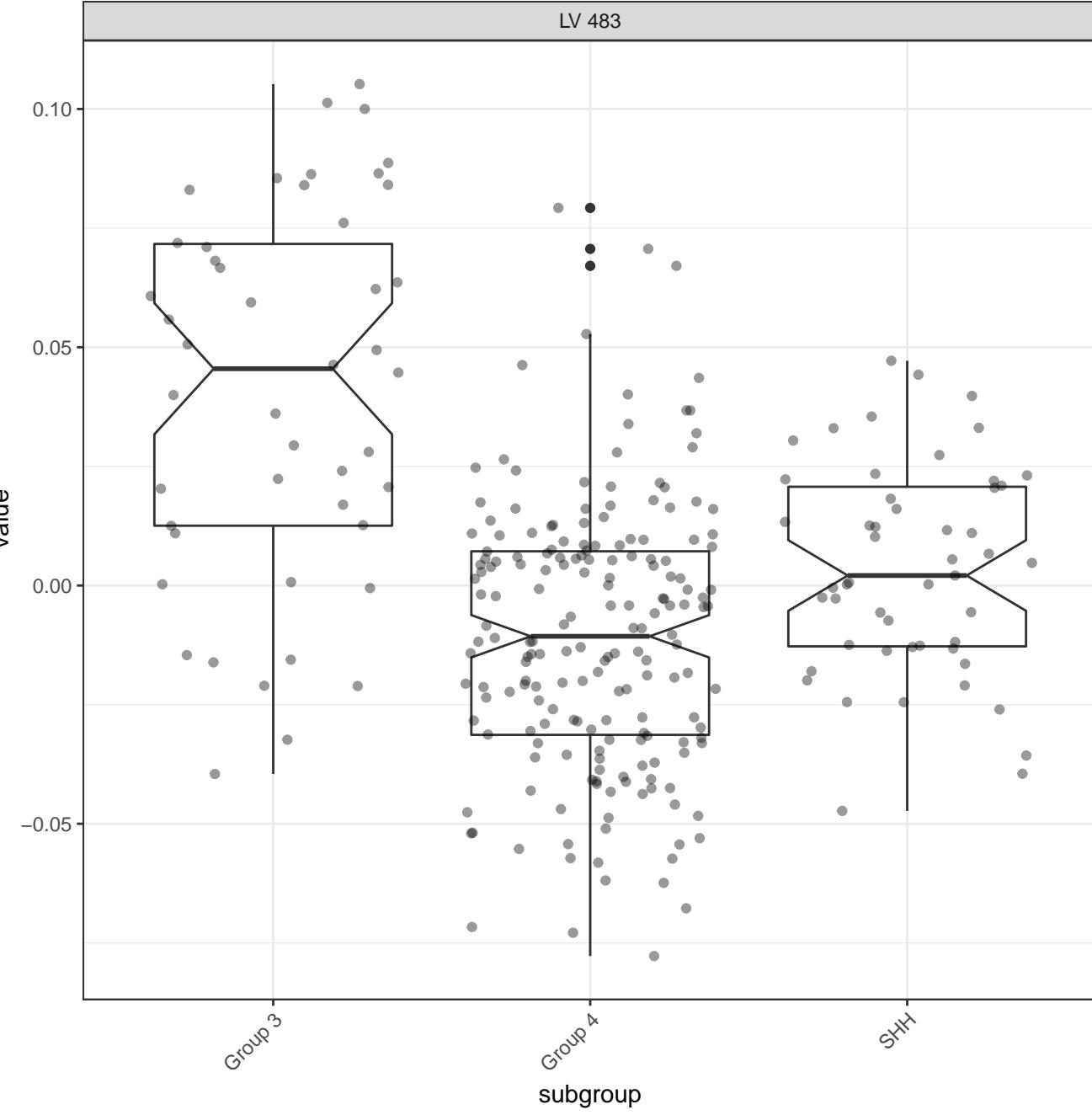
0.00

-0.05

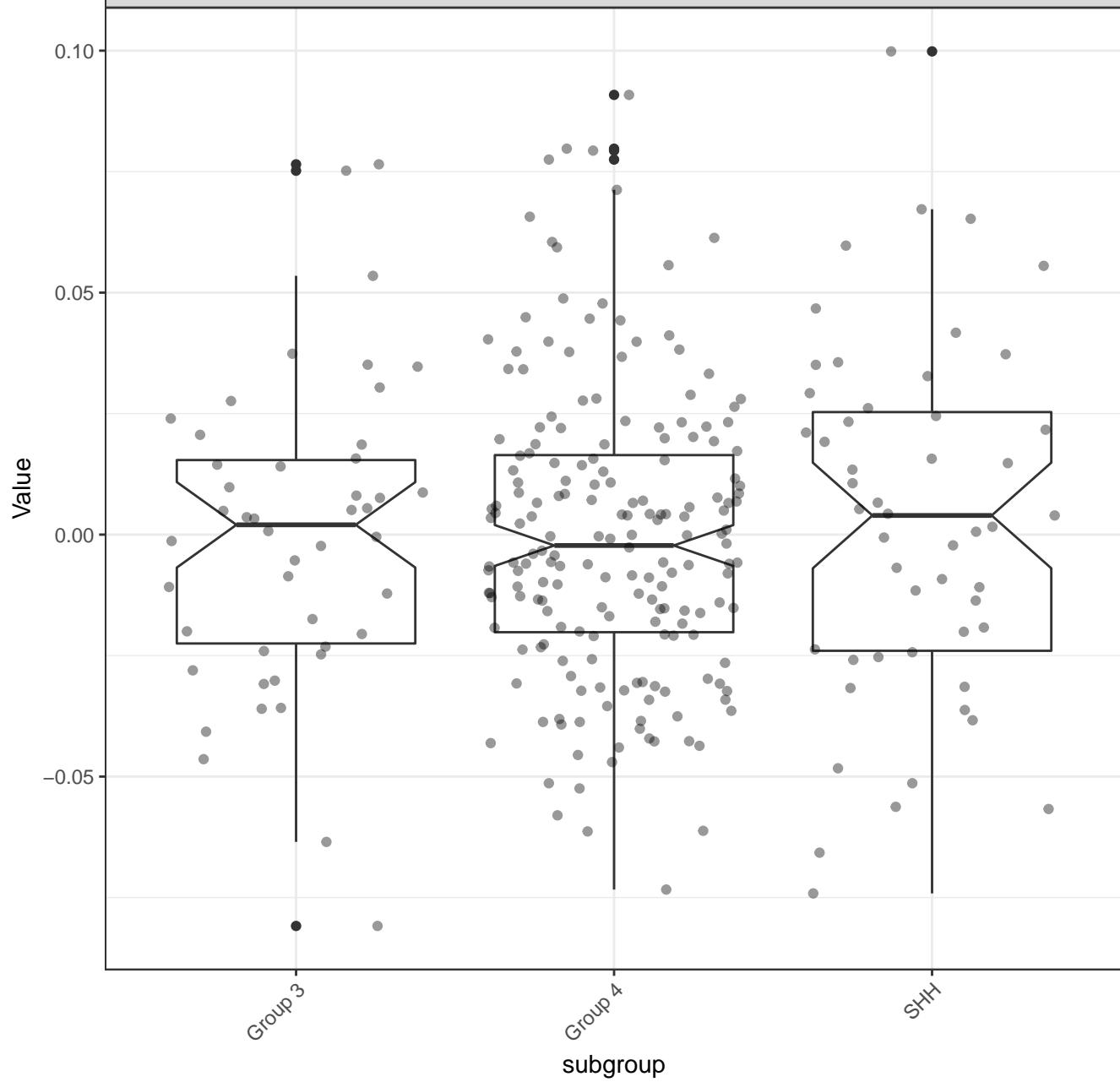
Group 3

subgroup

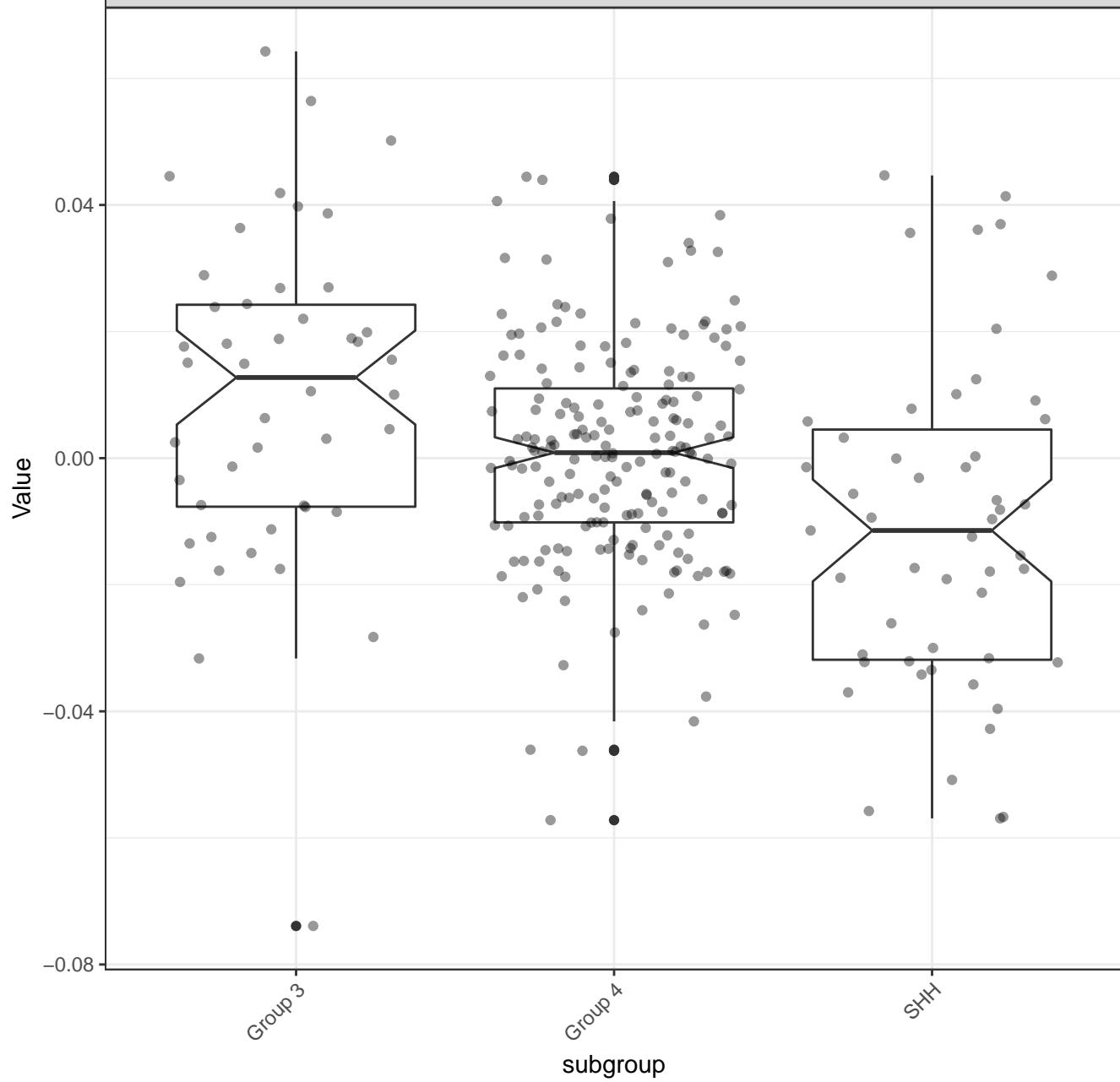
SHH



LV 484



LV 485



LV 486

Value

0.2

0.1

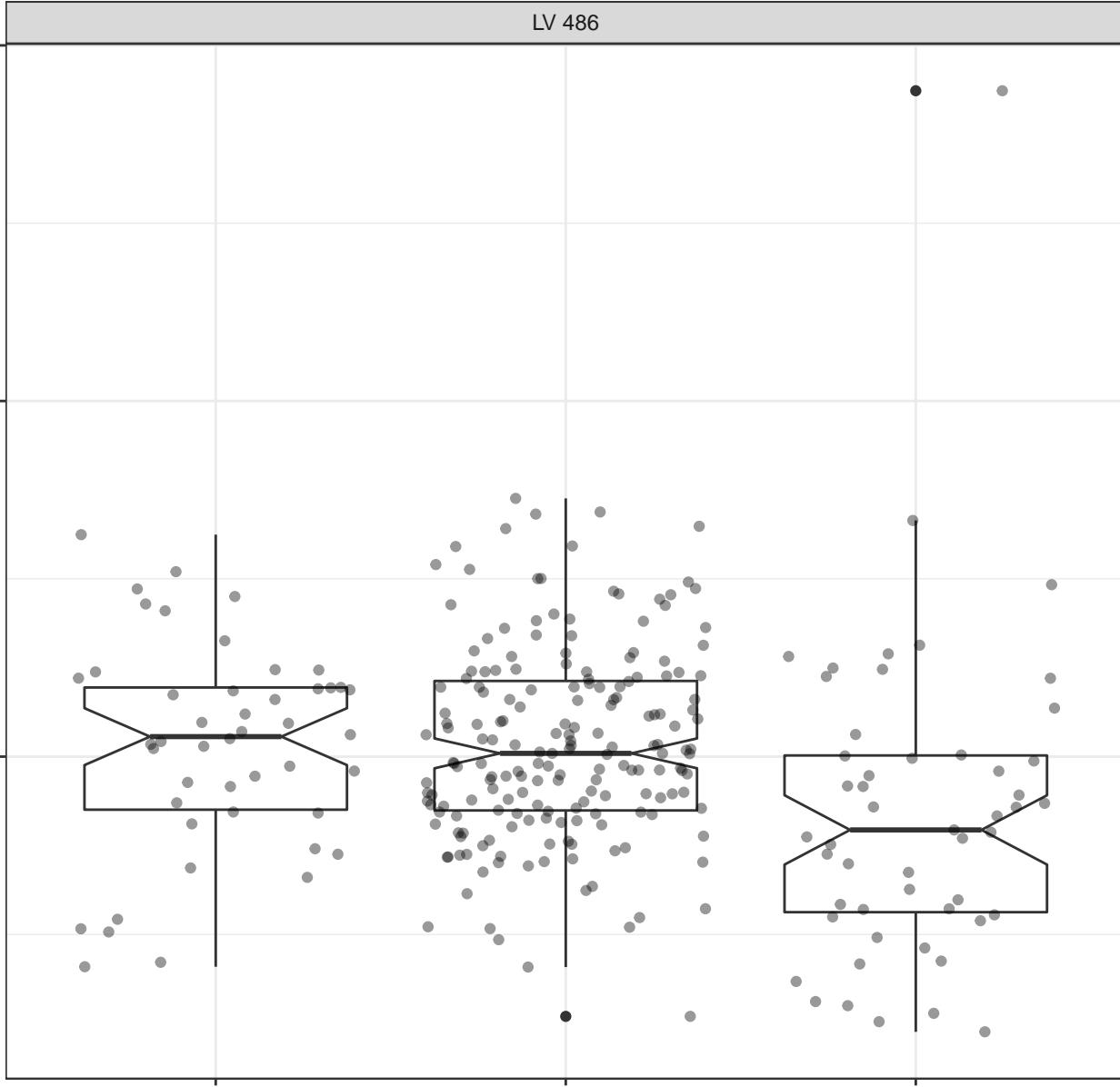
0.0

Group 3

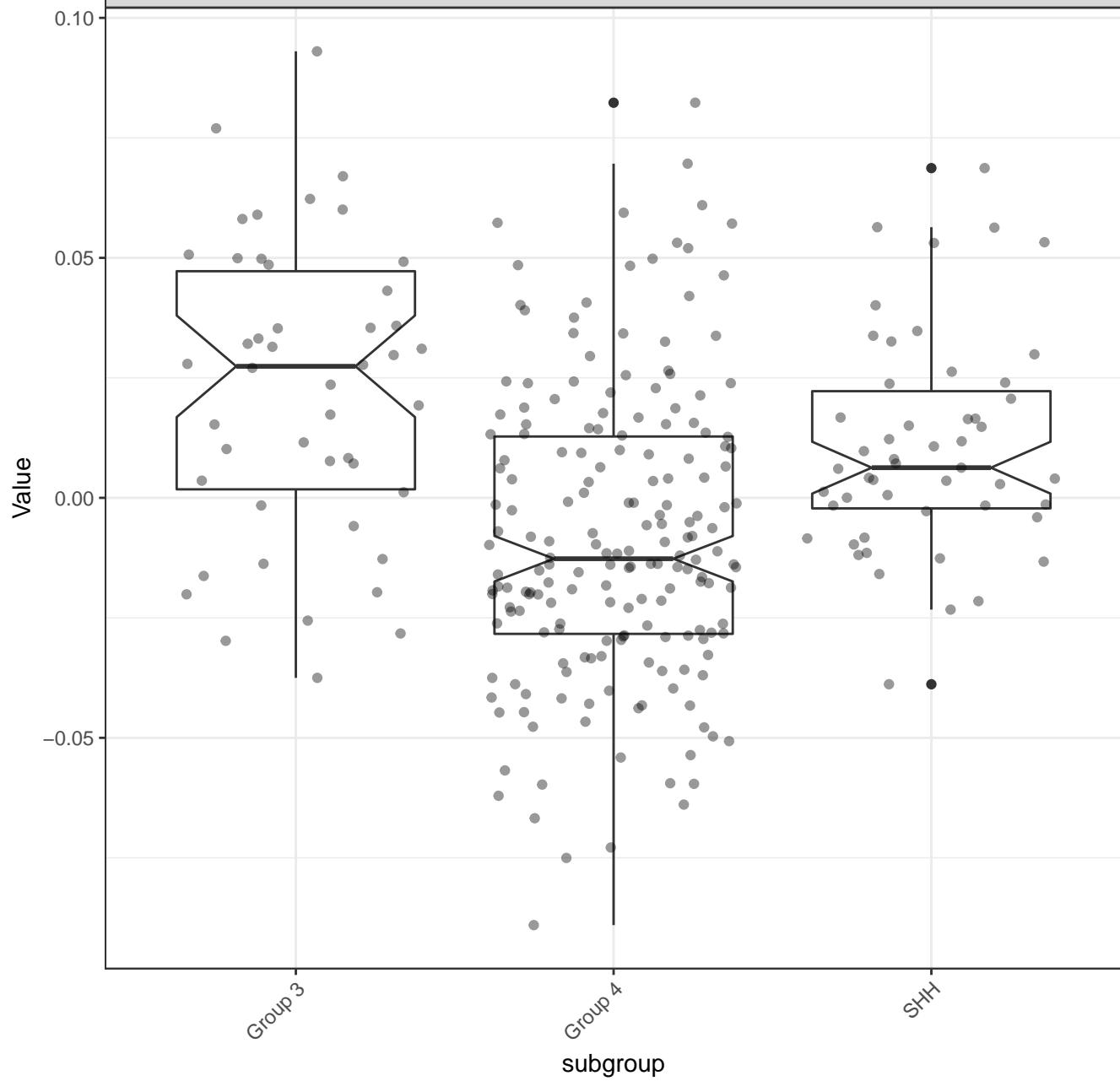
Group 4

SHH

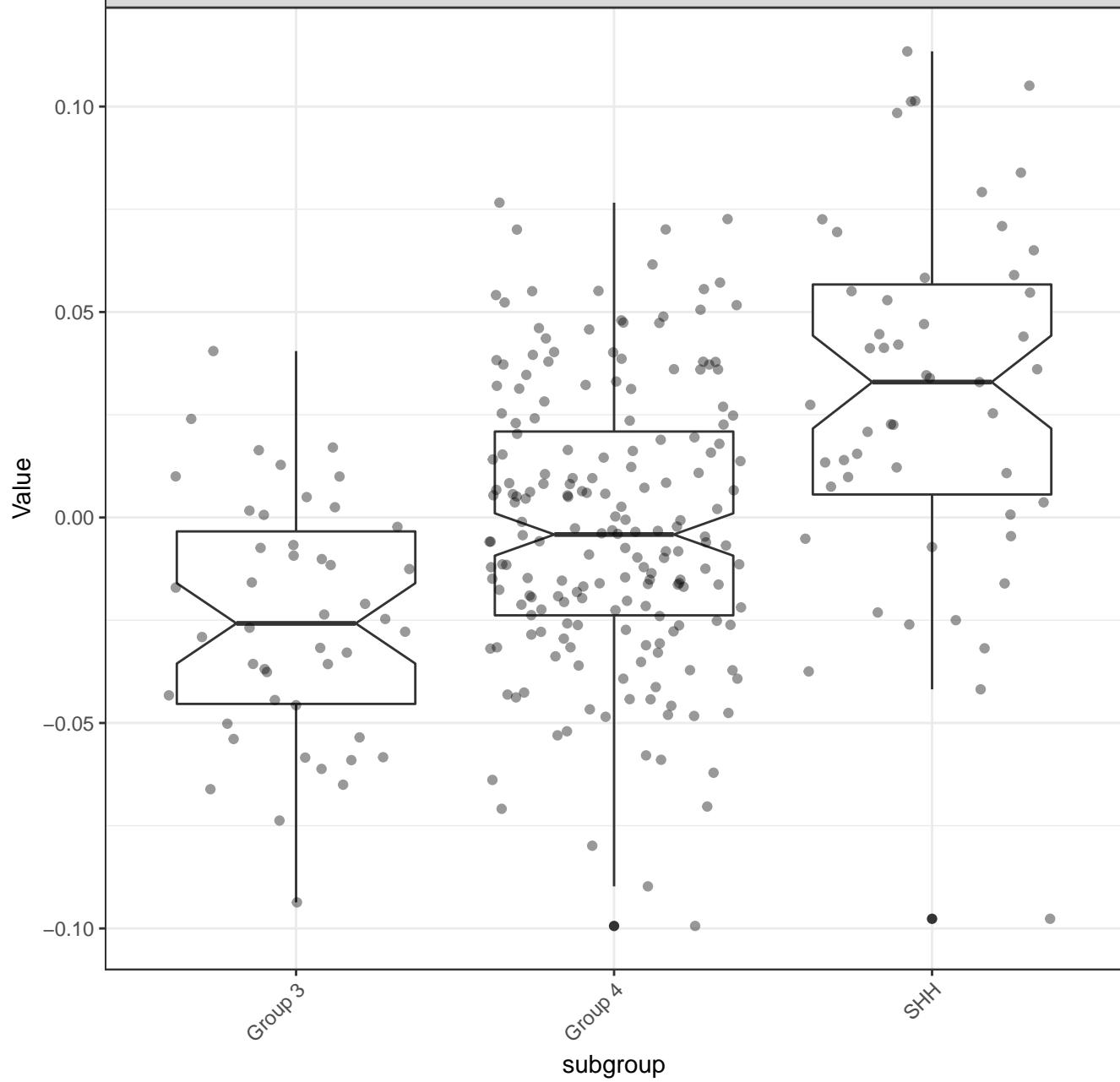
subgroup



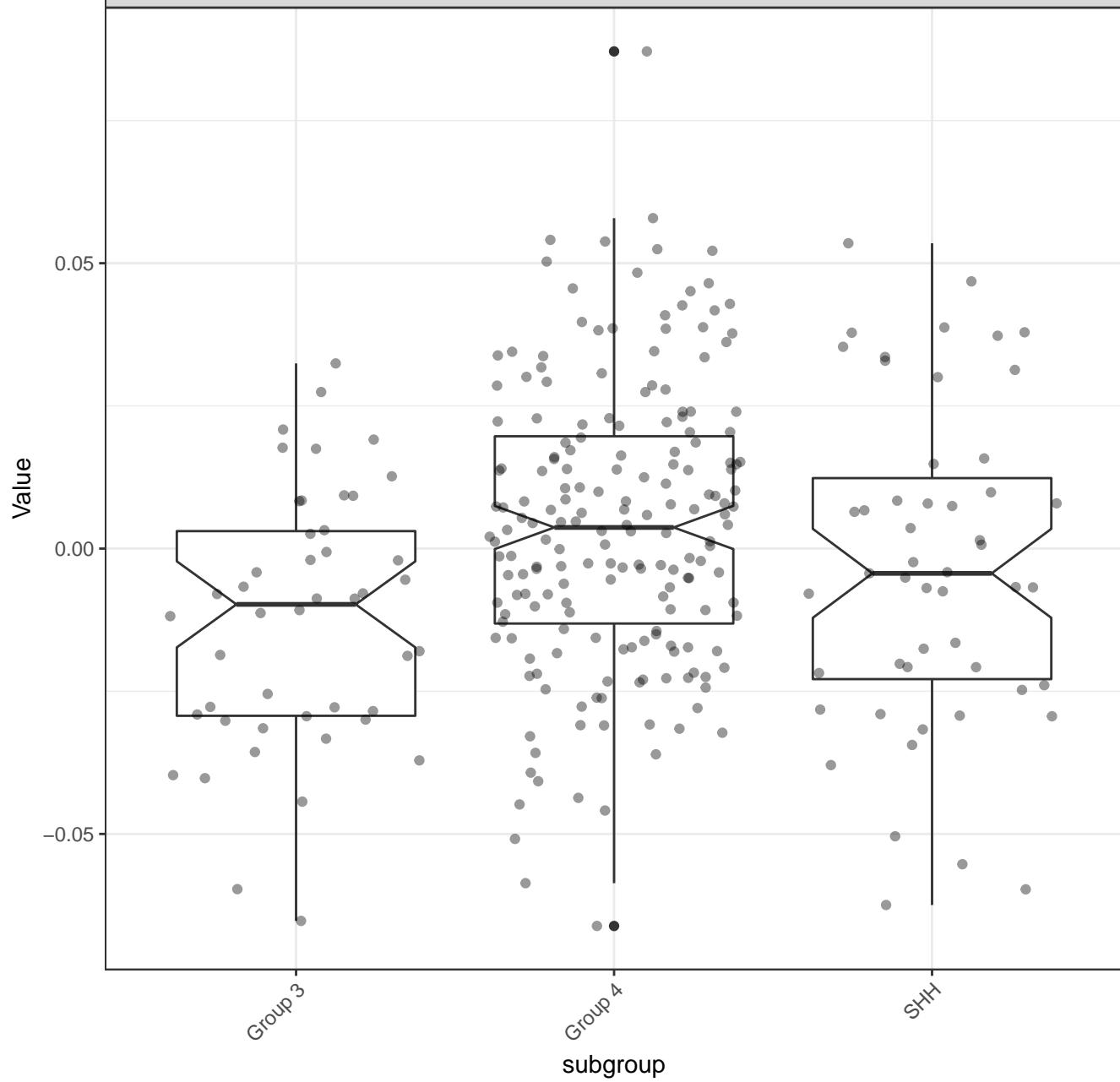
LV 487



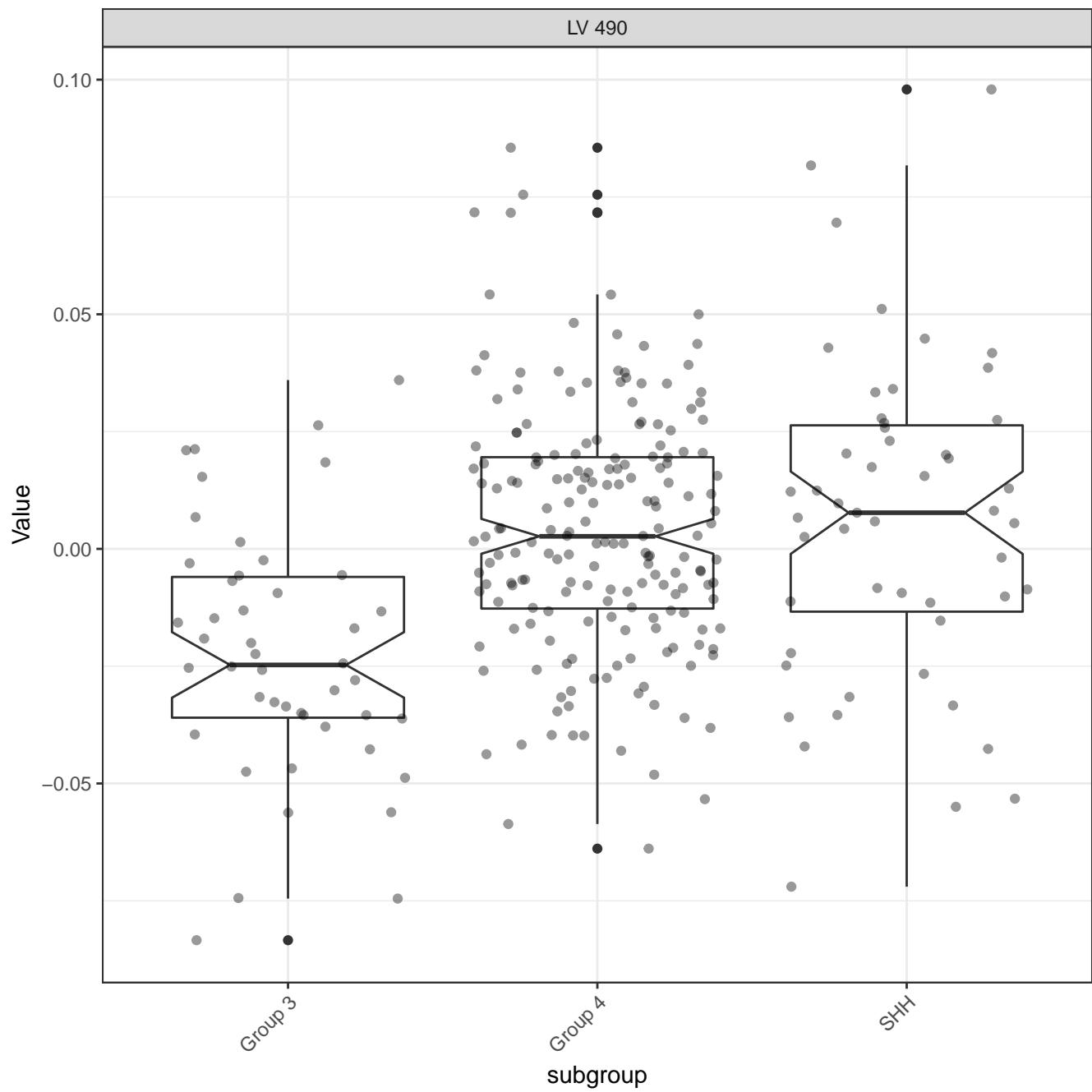
LV 488



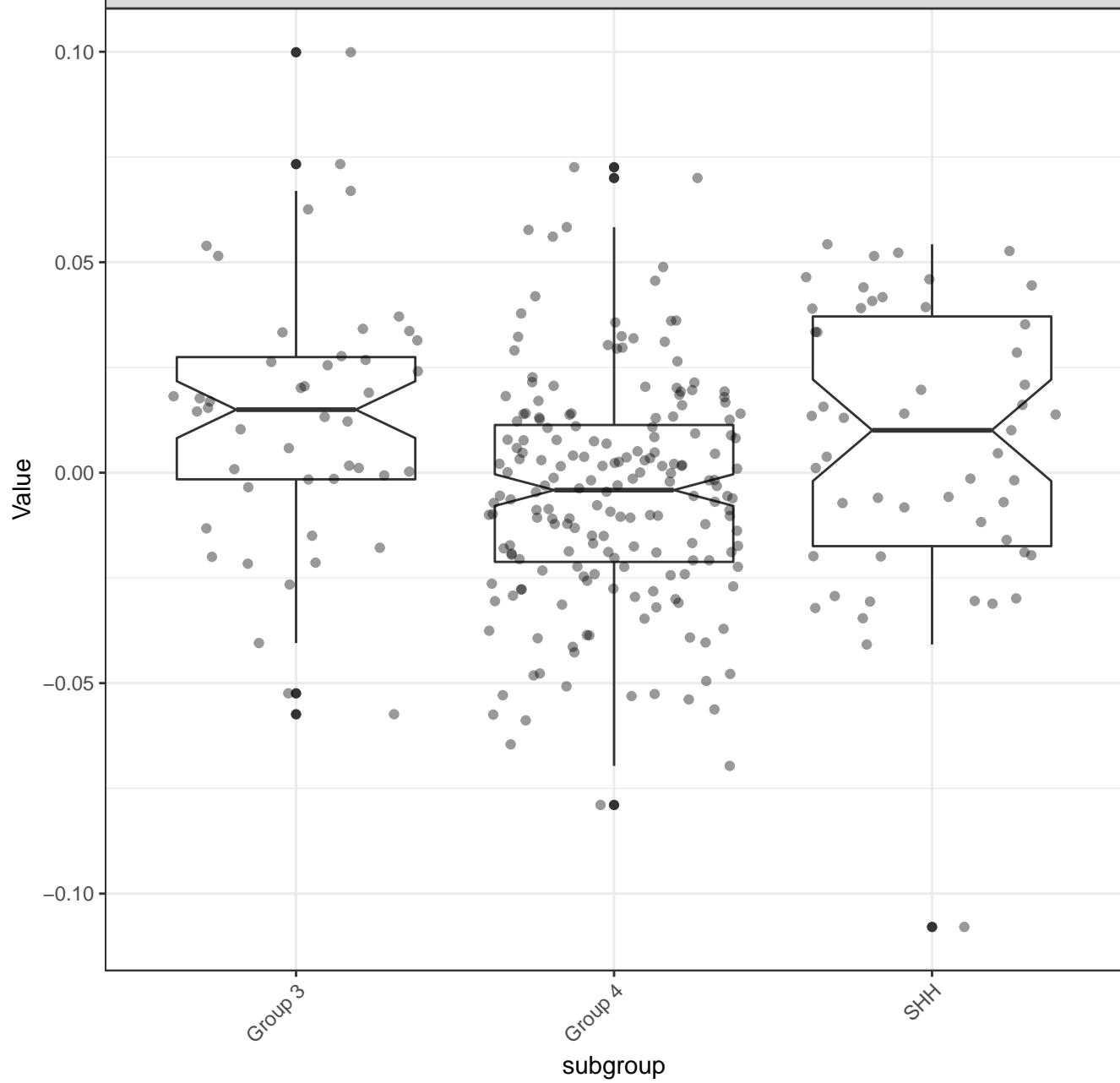
LV 489



LV 490



LV 491



LV 492

Value

0.10

0.05

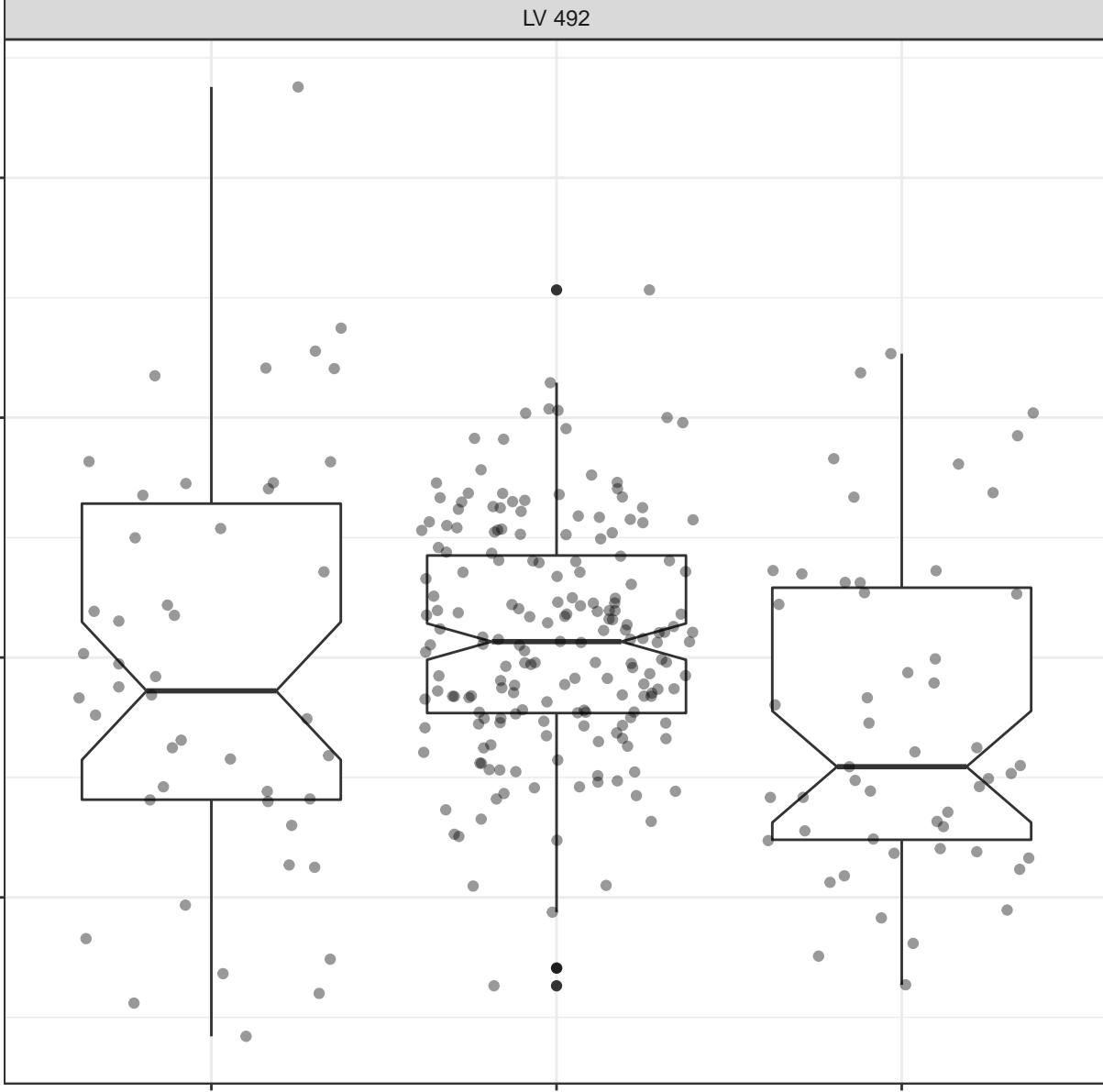
0.00

-0.05

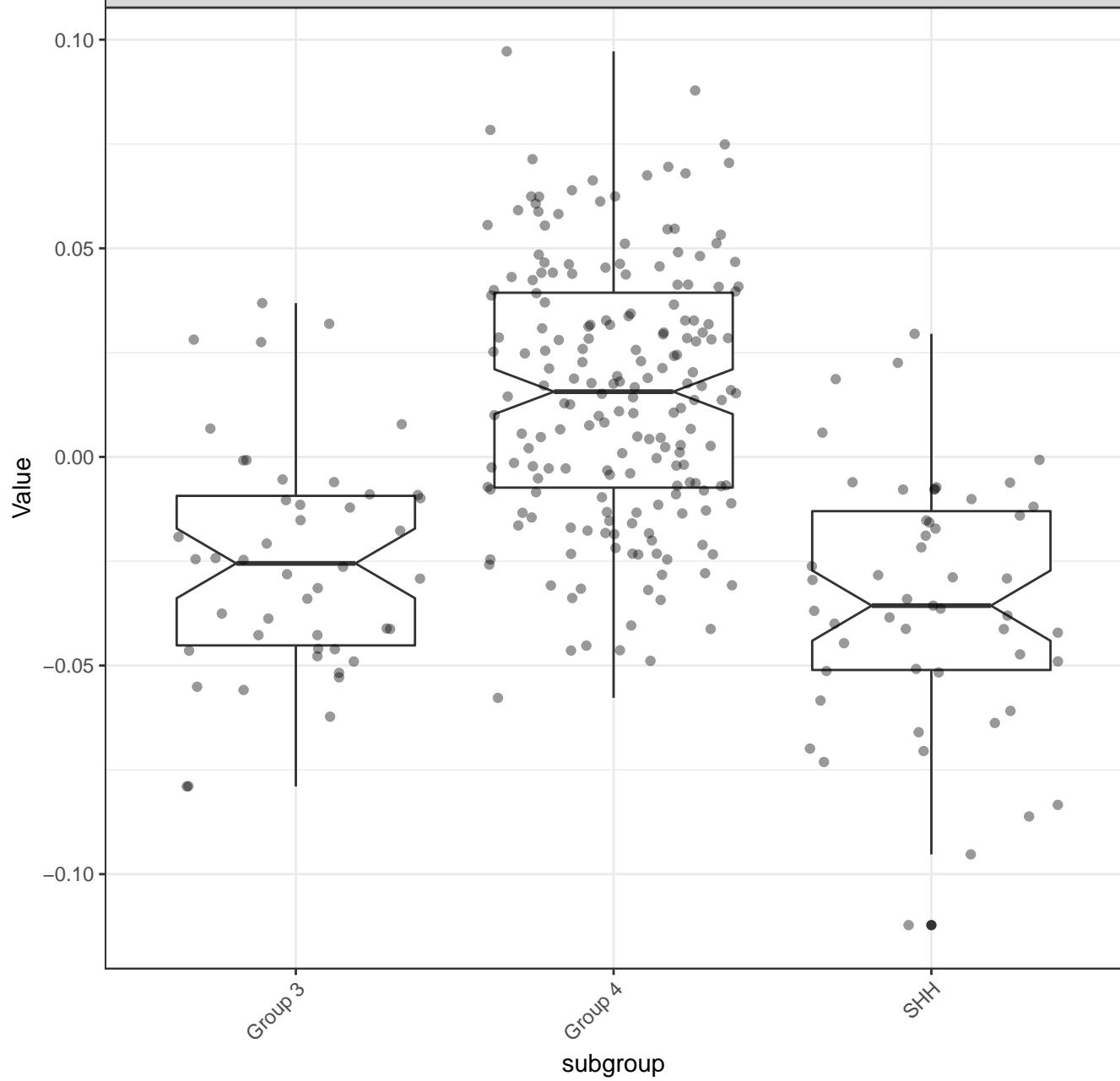
Group 3

subgroup

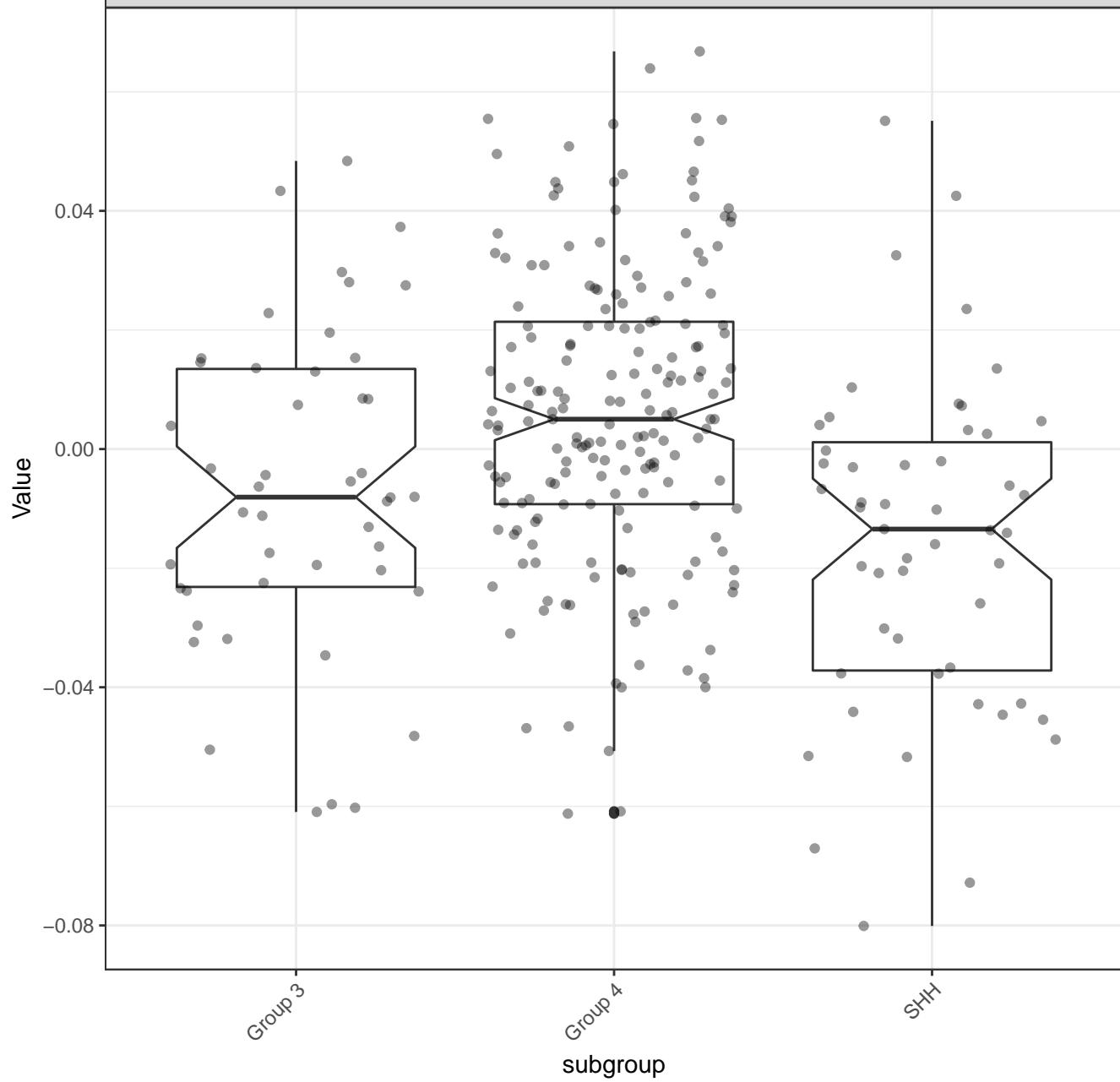
SHH



LV 493



LV 494



LV 495

Value

0.10

0.05

0.00

-0.05

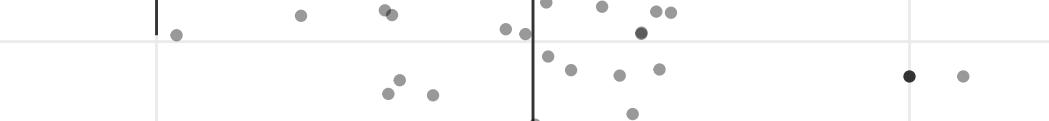
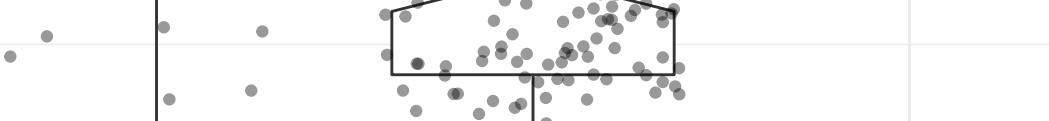
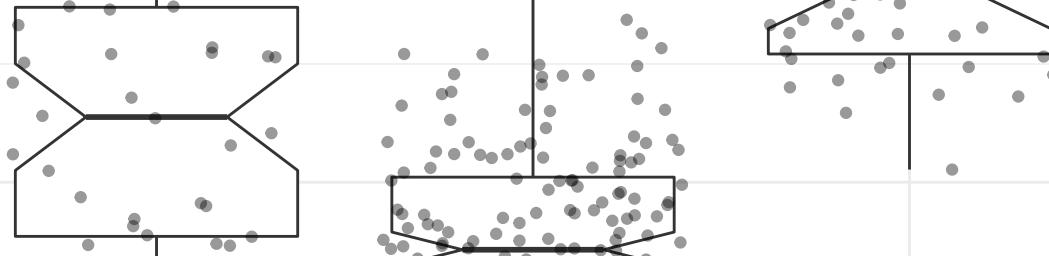
-0.10

Group 3

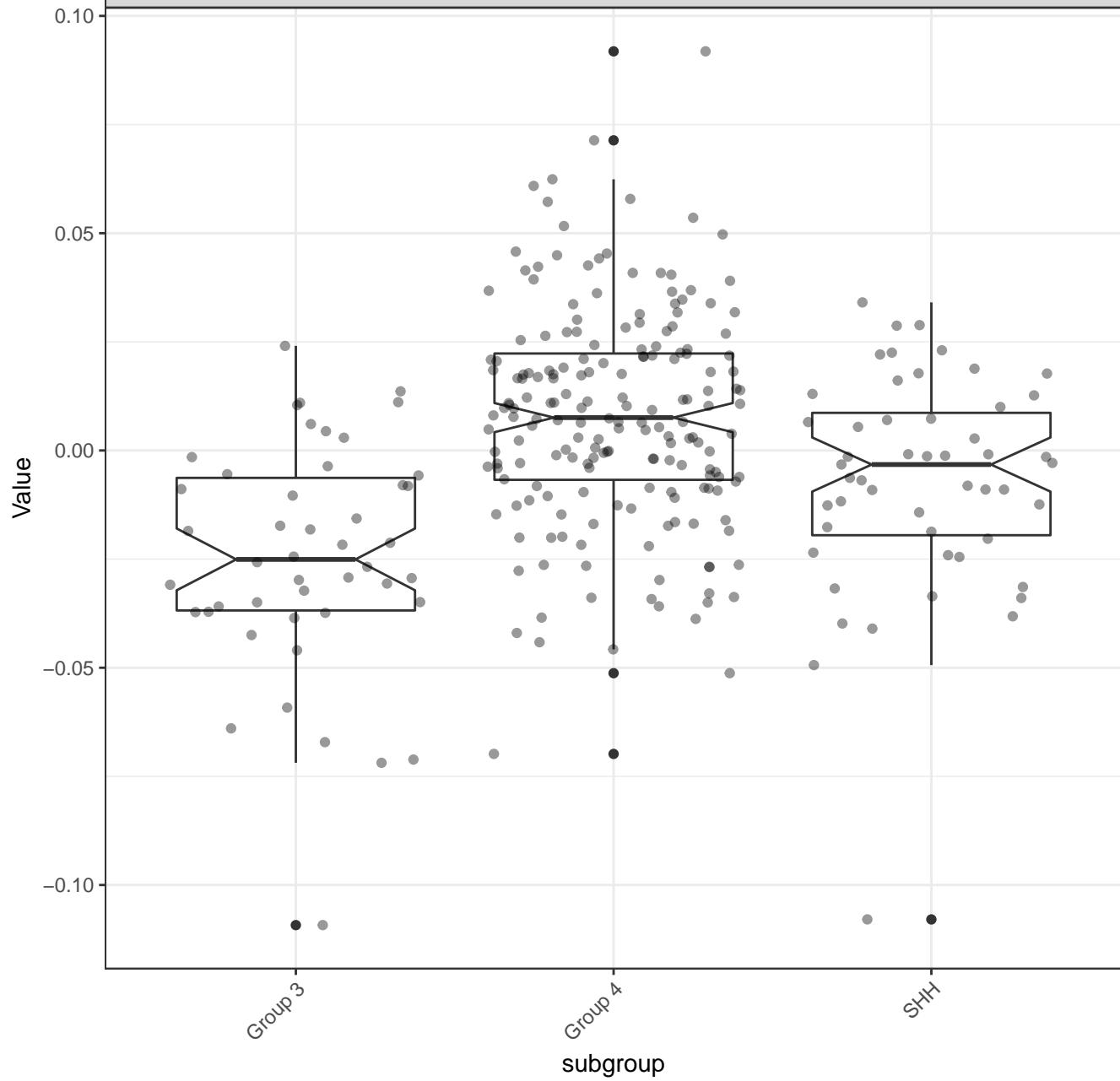
subgroup

SHH

Group 4



LV 496



LV 497

Value

0.10

0.05

0.00

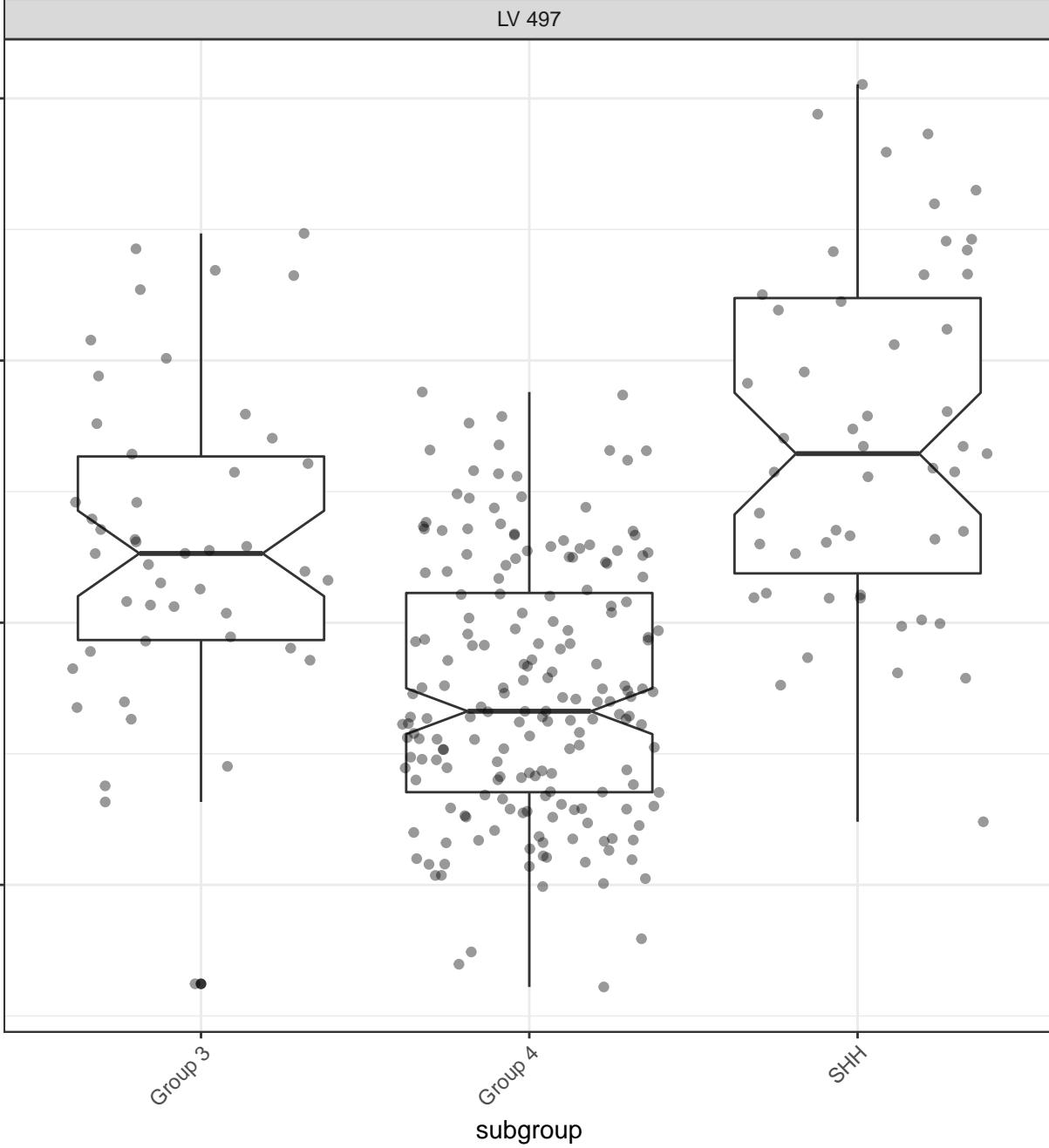
-0.05

Group 3

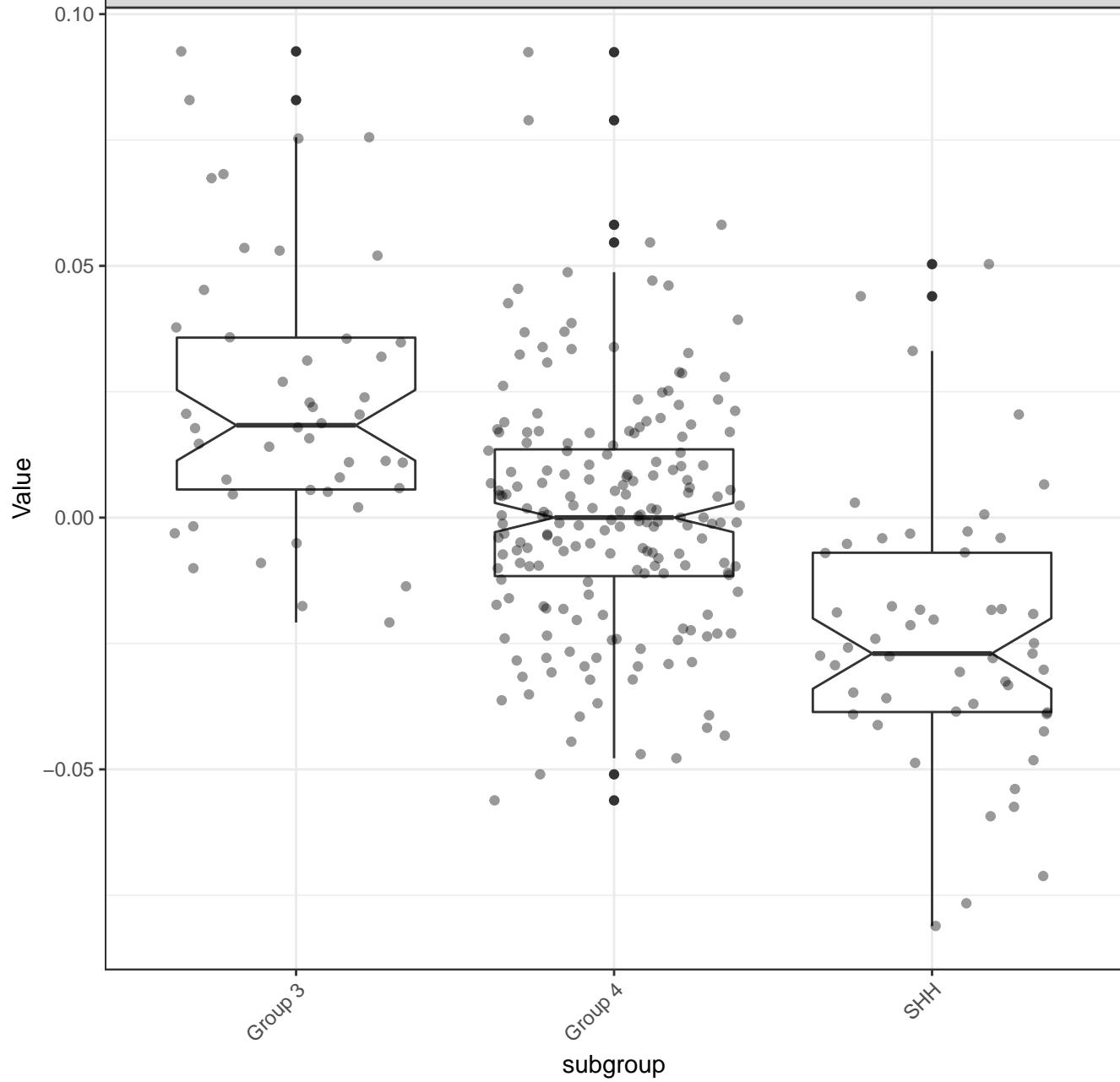
Group 4

SHH

subgroup



LV 498



LV 499

Value

0.10

0.05

0.00

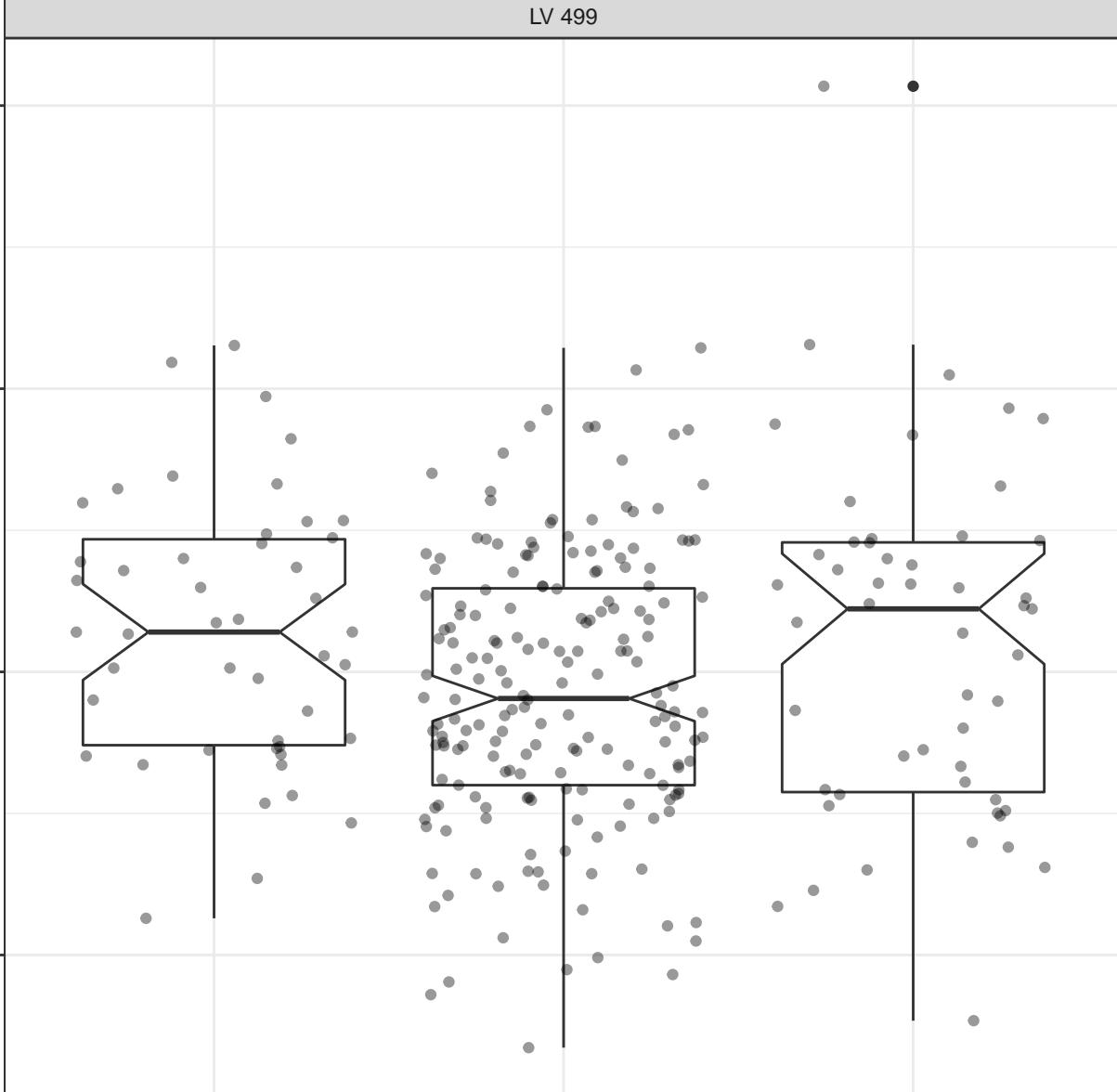
-0.05

Group 3

Group 4

SHH

subgroup



LV 500

Value

0.10

0.05

0.00

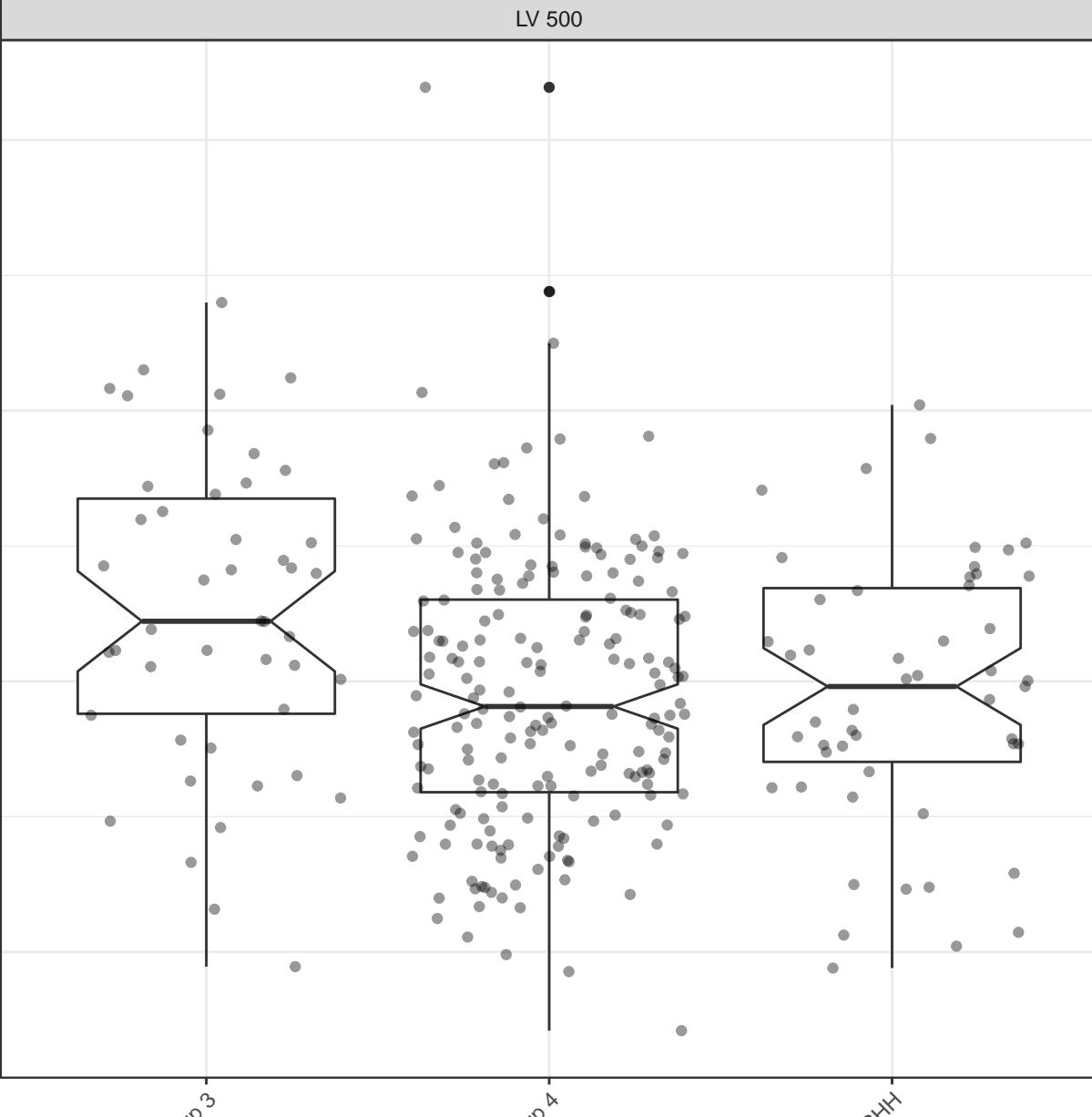
-0.05

Group 3

subgroup

Group 4

SHH



501,SVM NK cells activated

Value

0.04

0.00

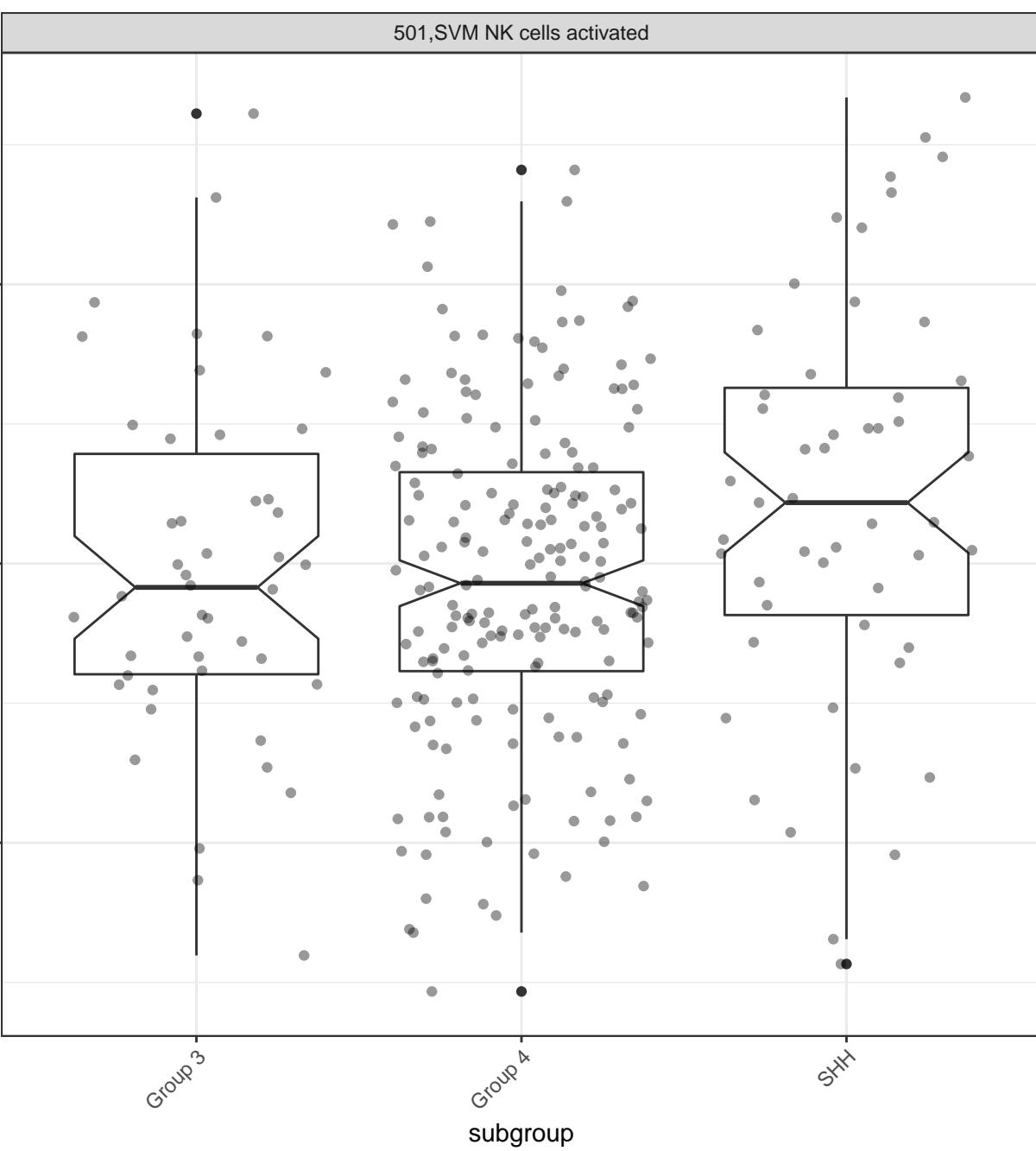
-0.04

Group 3

Group 4

SHH

subgroup



LV 502

Value

0.05

0.00

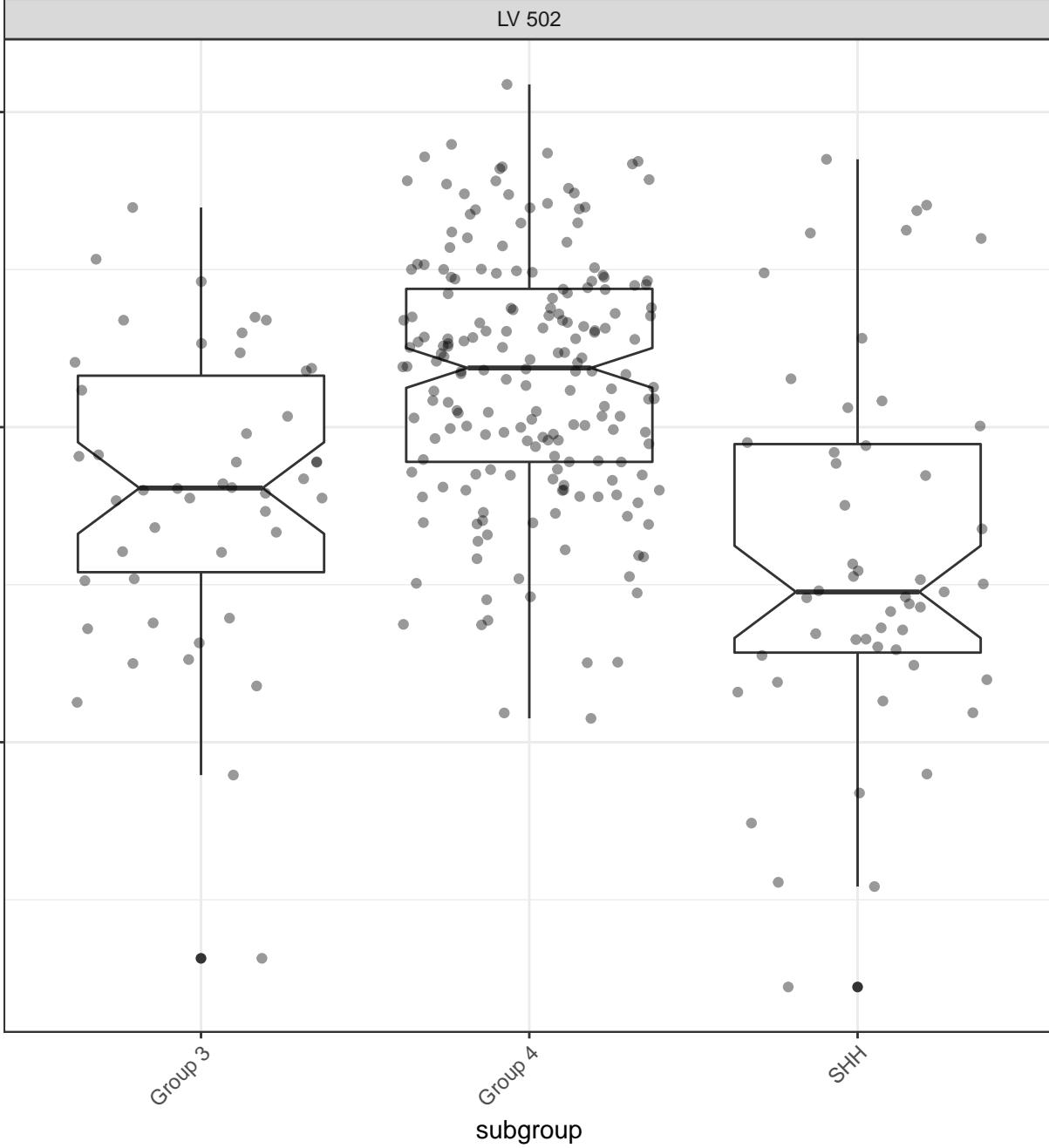
-0.05

Group 3

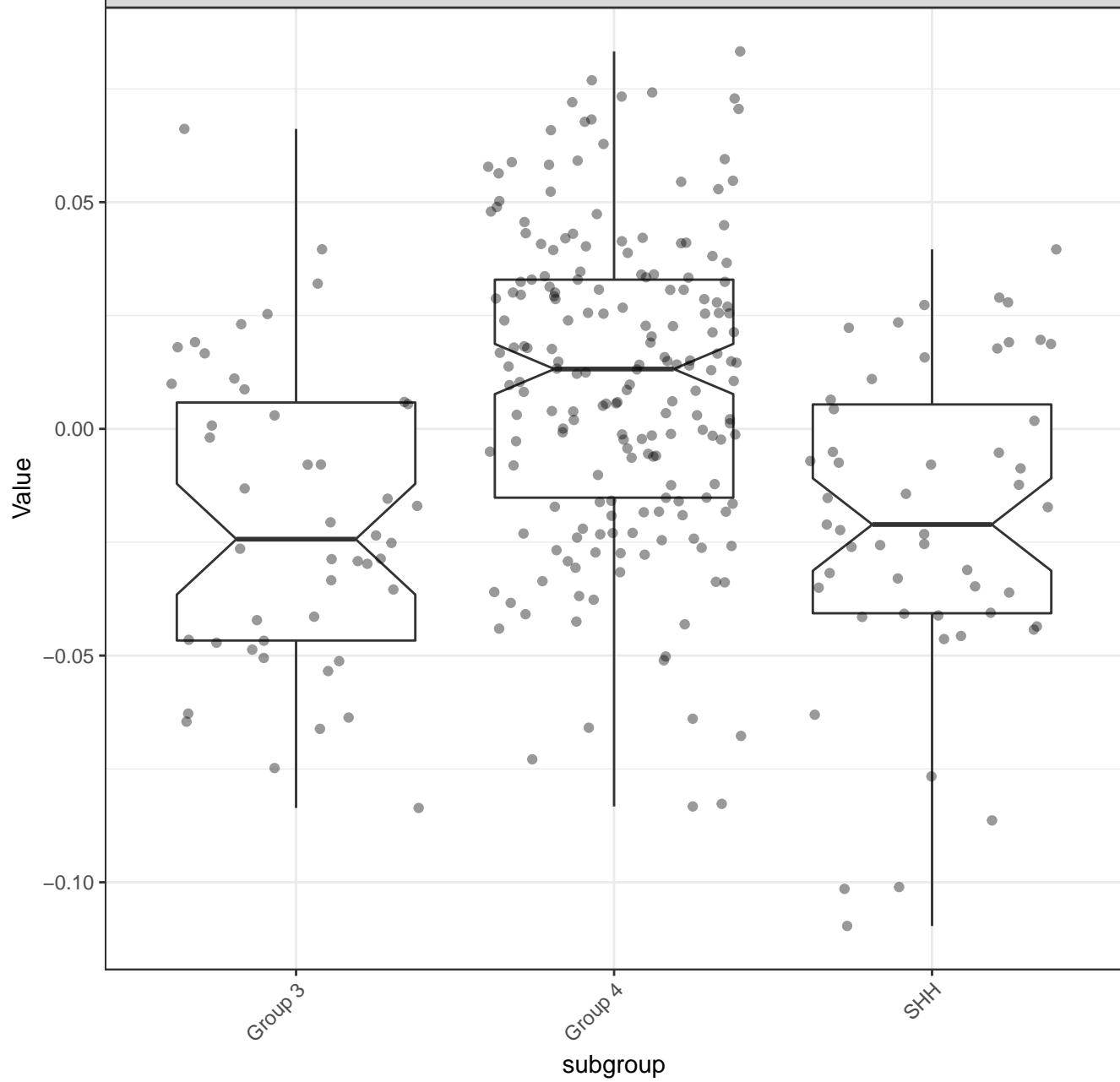
Group 4

SHH

subgroup



LV 503



LV 504

Value

0.05

0.00

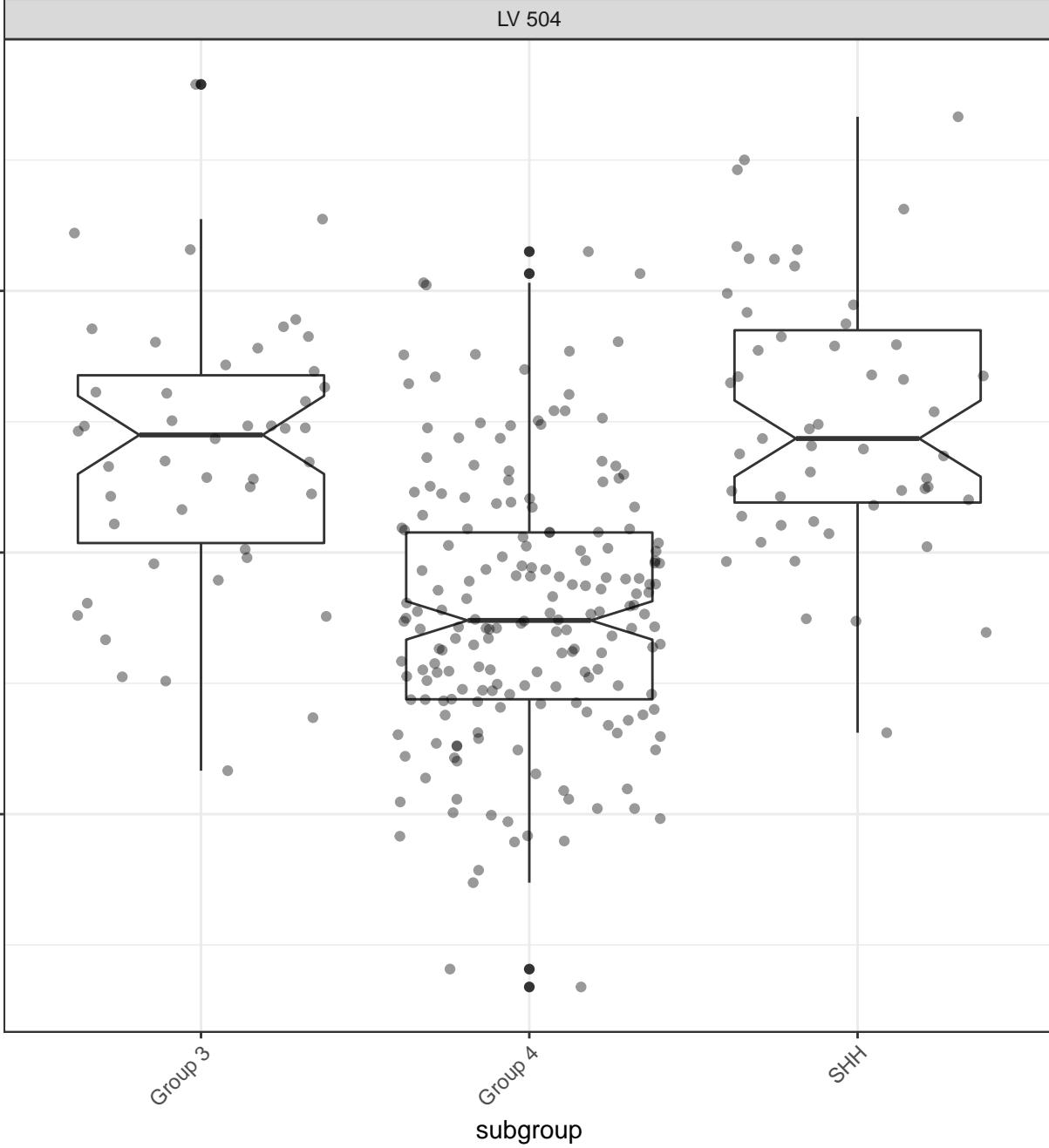
-0.05

Group 3

Group 4

SHH

subgroup



LV 505

Value

0.10

0.05

0.00

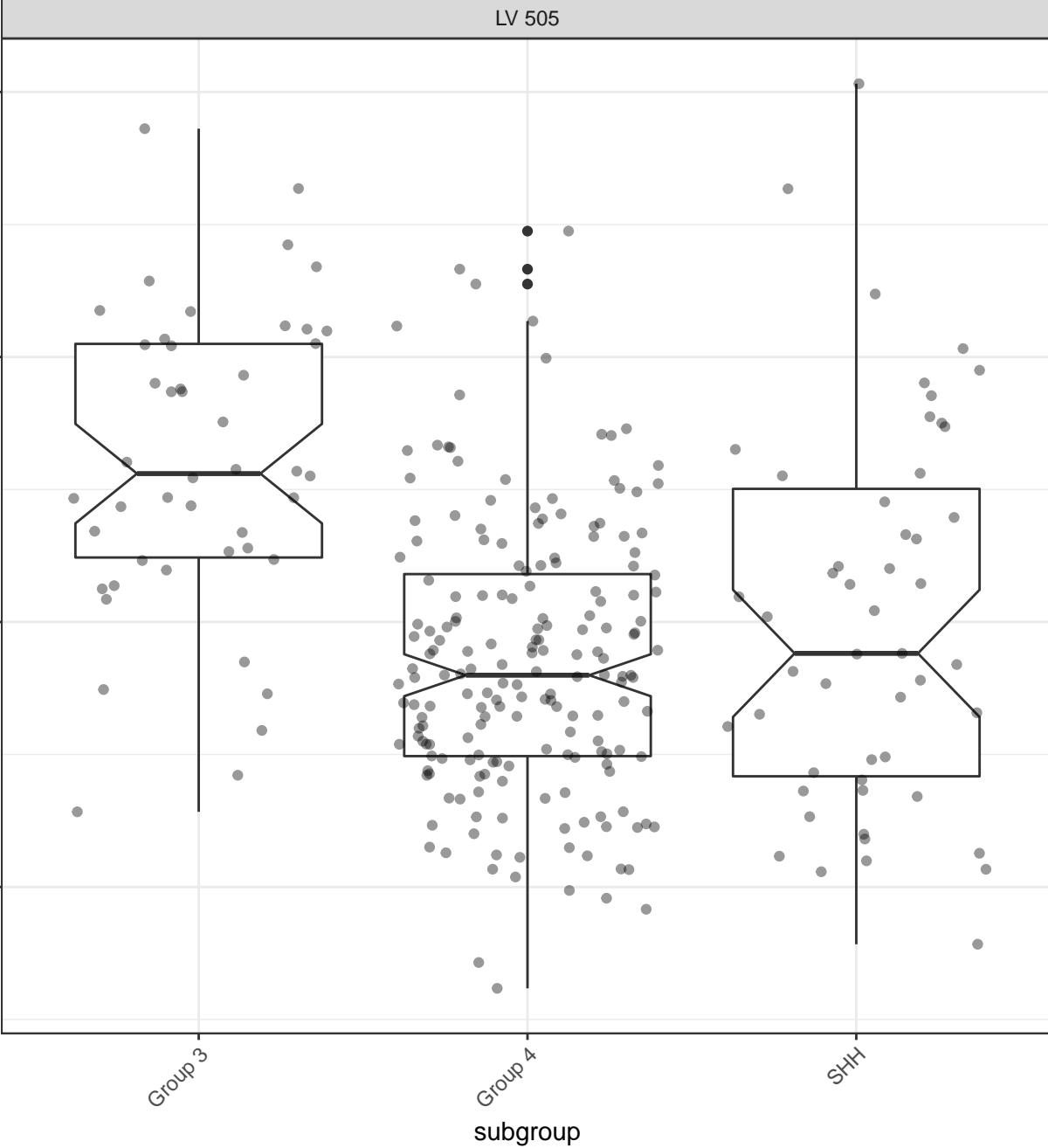
-0.05

Group 3

Group 4

SHH

subgroup



LV 506

Value

0.10

0.05

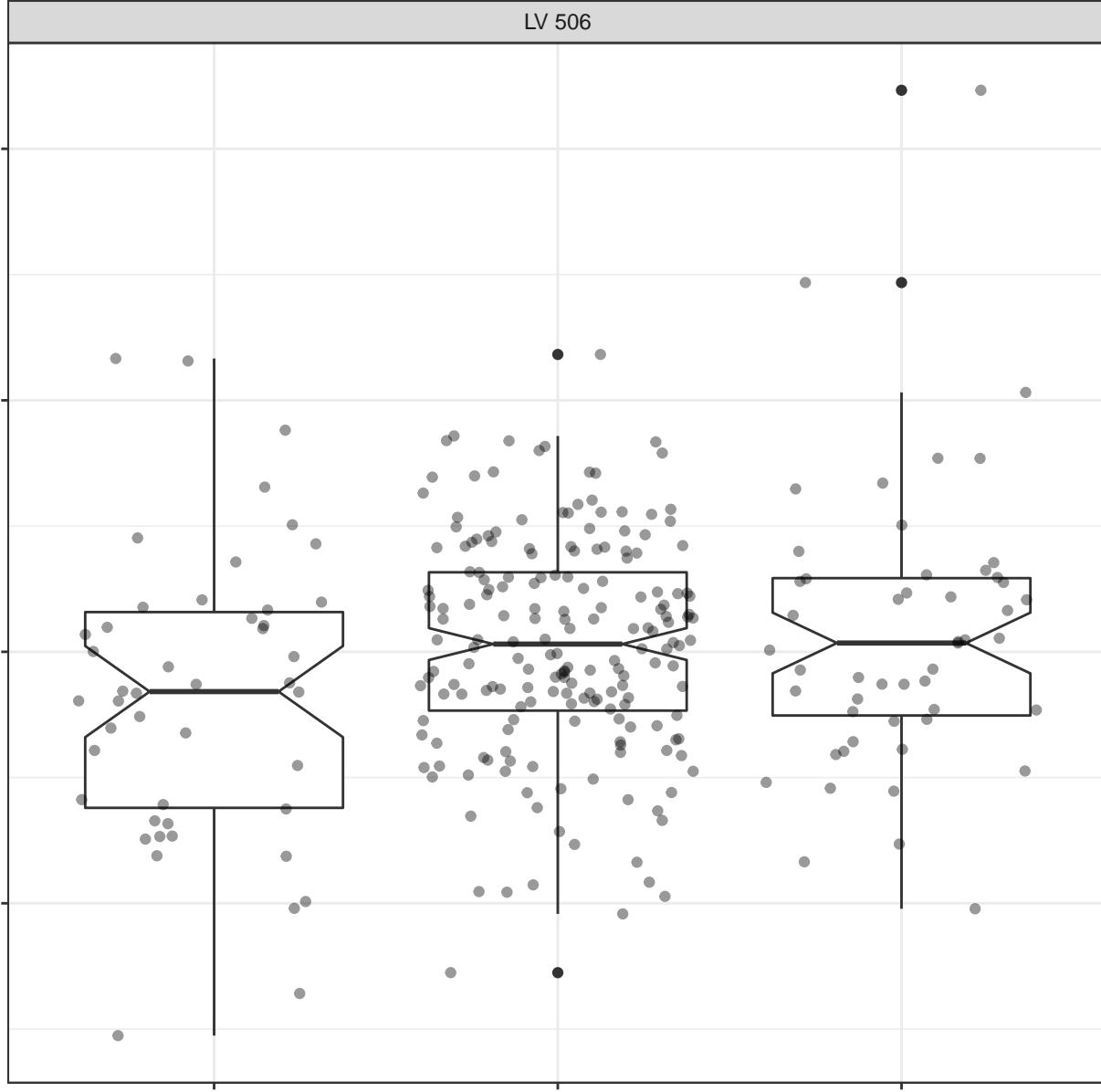
0.00

-0.05

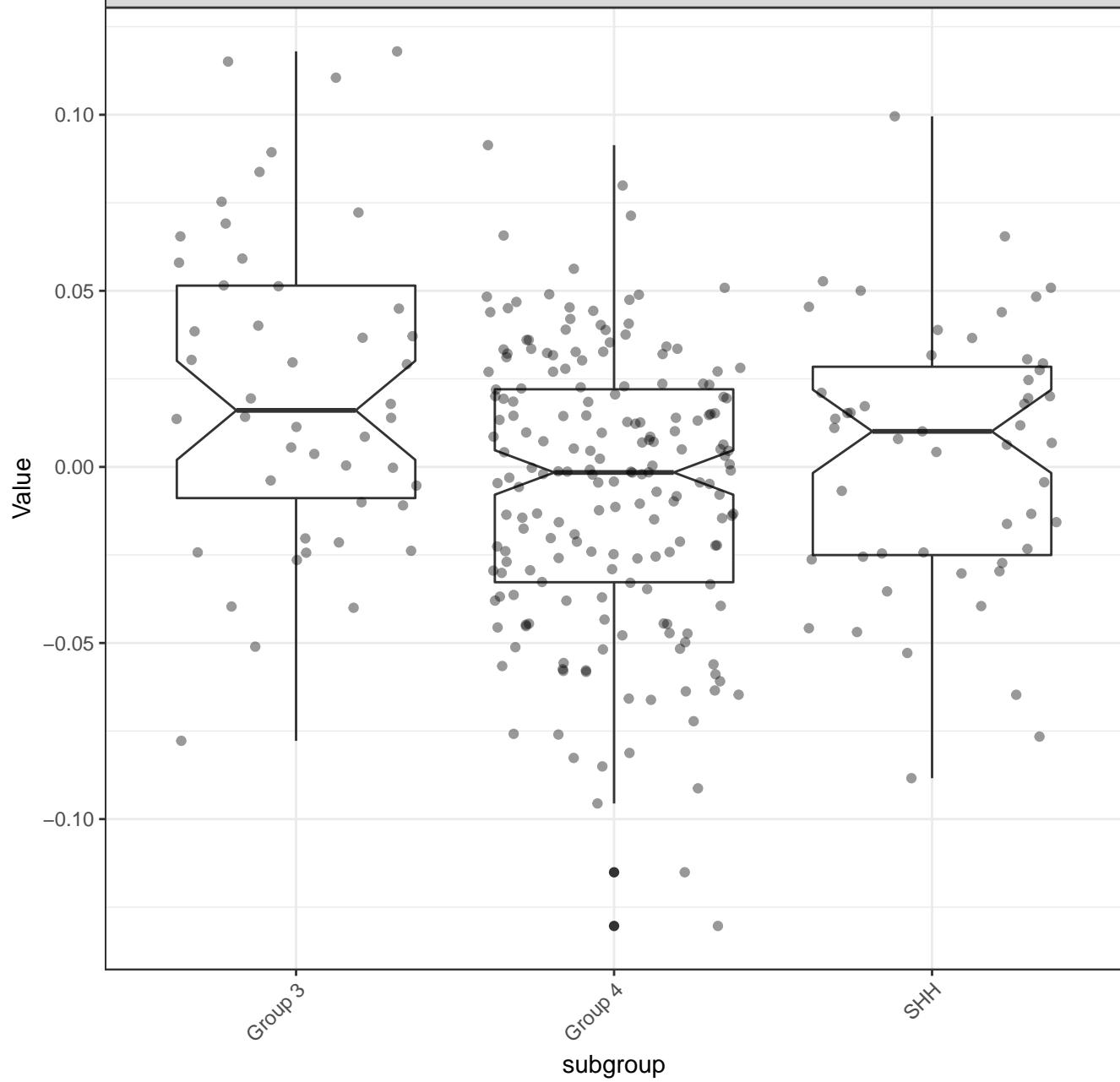
Group 3

subgroup

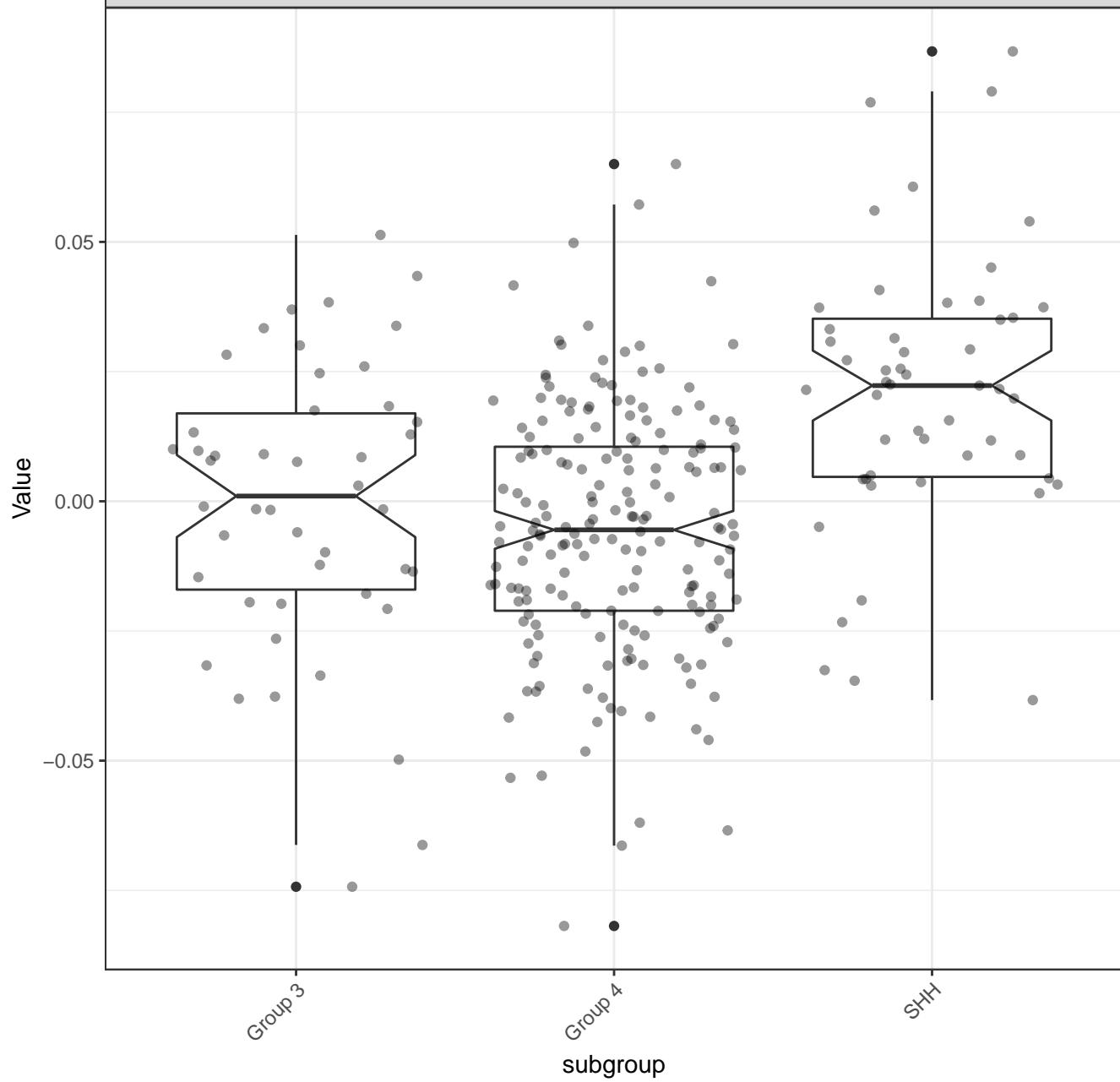
SHH



LV 507



LV 508



LV 509

Value

0.1

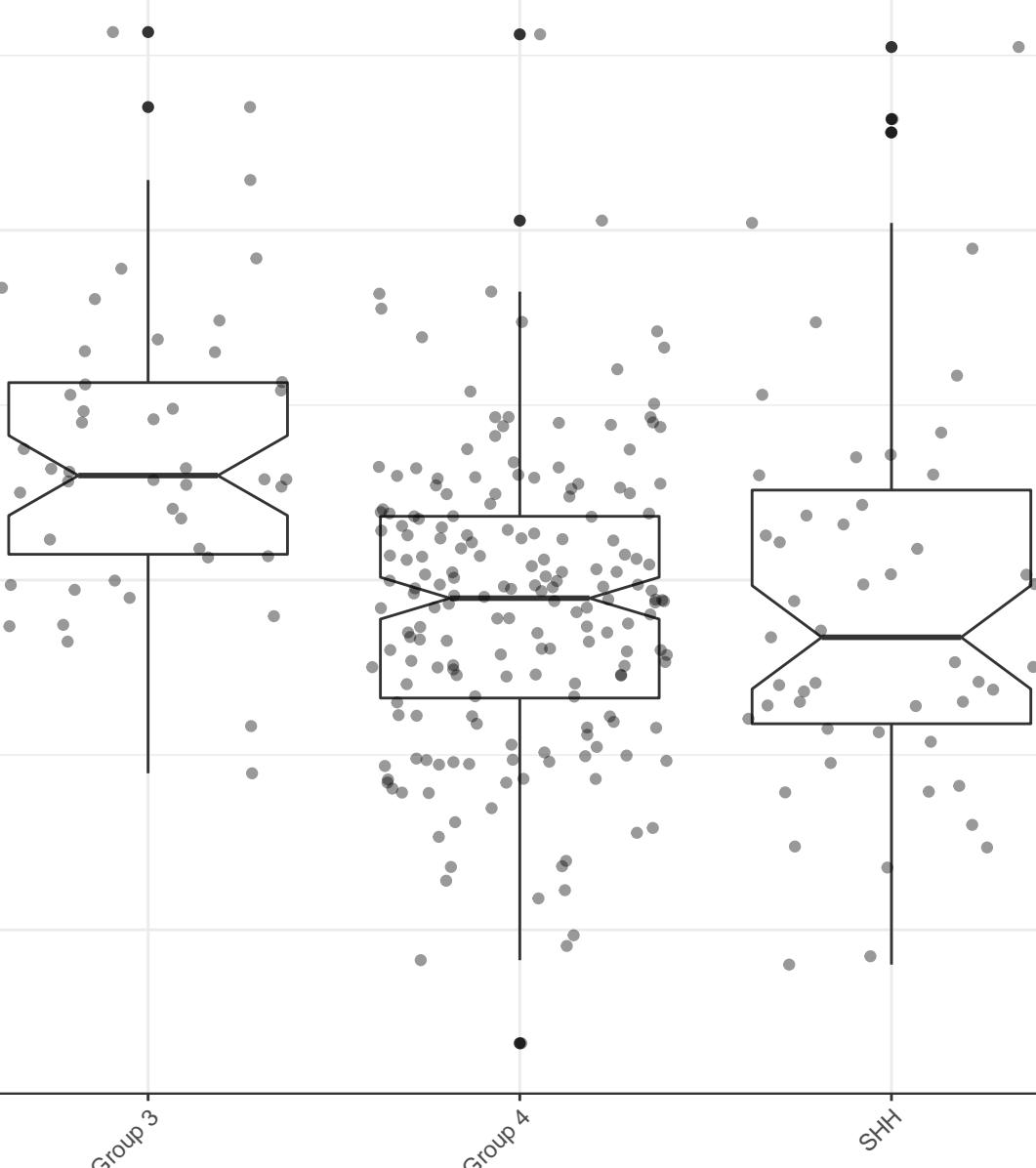
0.0

-0.1

Group³Group⁴

SHH

subgroup



LV 510

Value

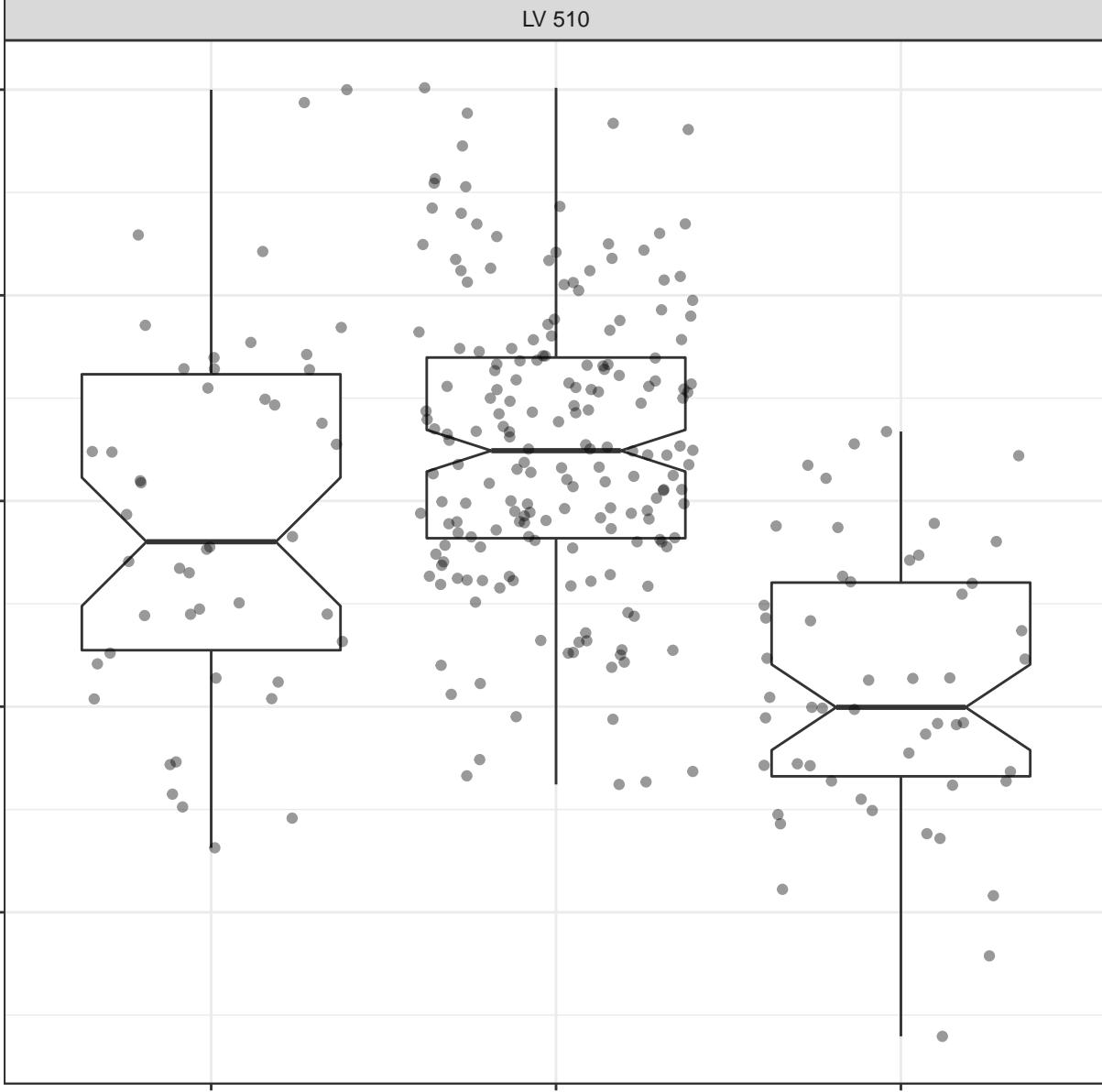
0.10
0.05
0.00
-0.05
-0.10

Group 3

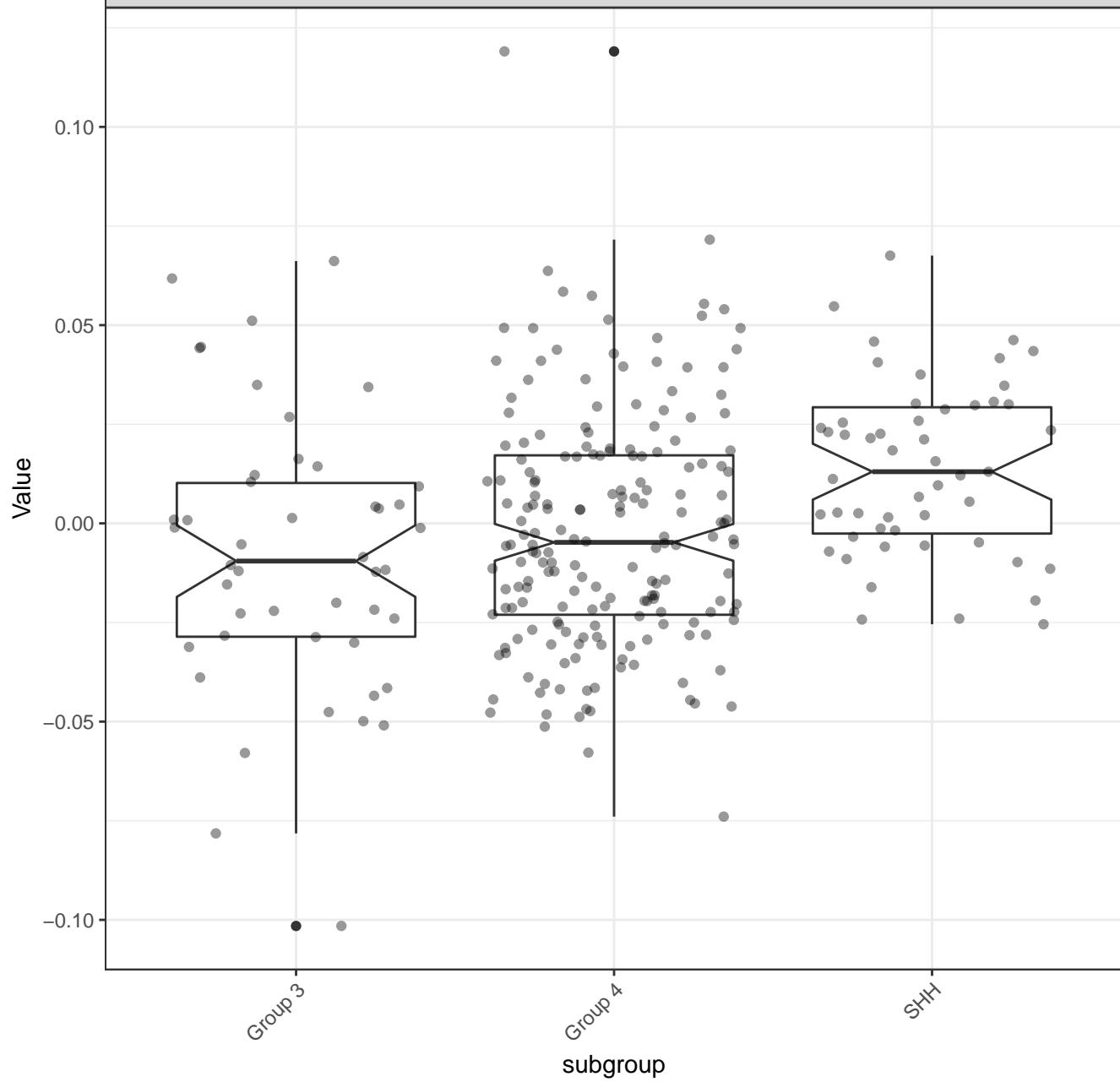
Group 4

SHH

subgroup



LV 511



Value

0.05

0.00

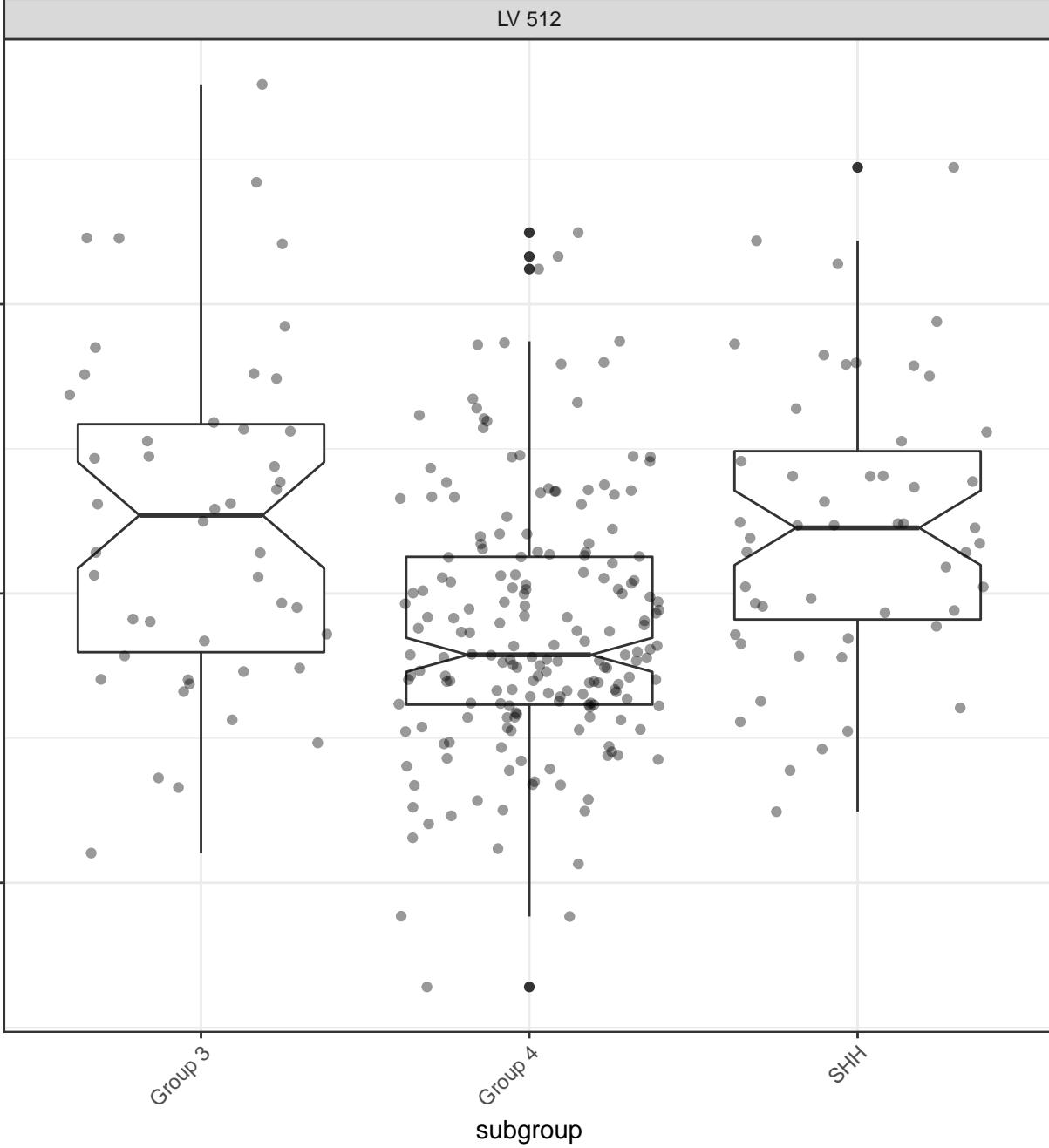
-0.05

Group 3

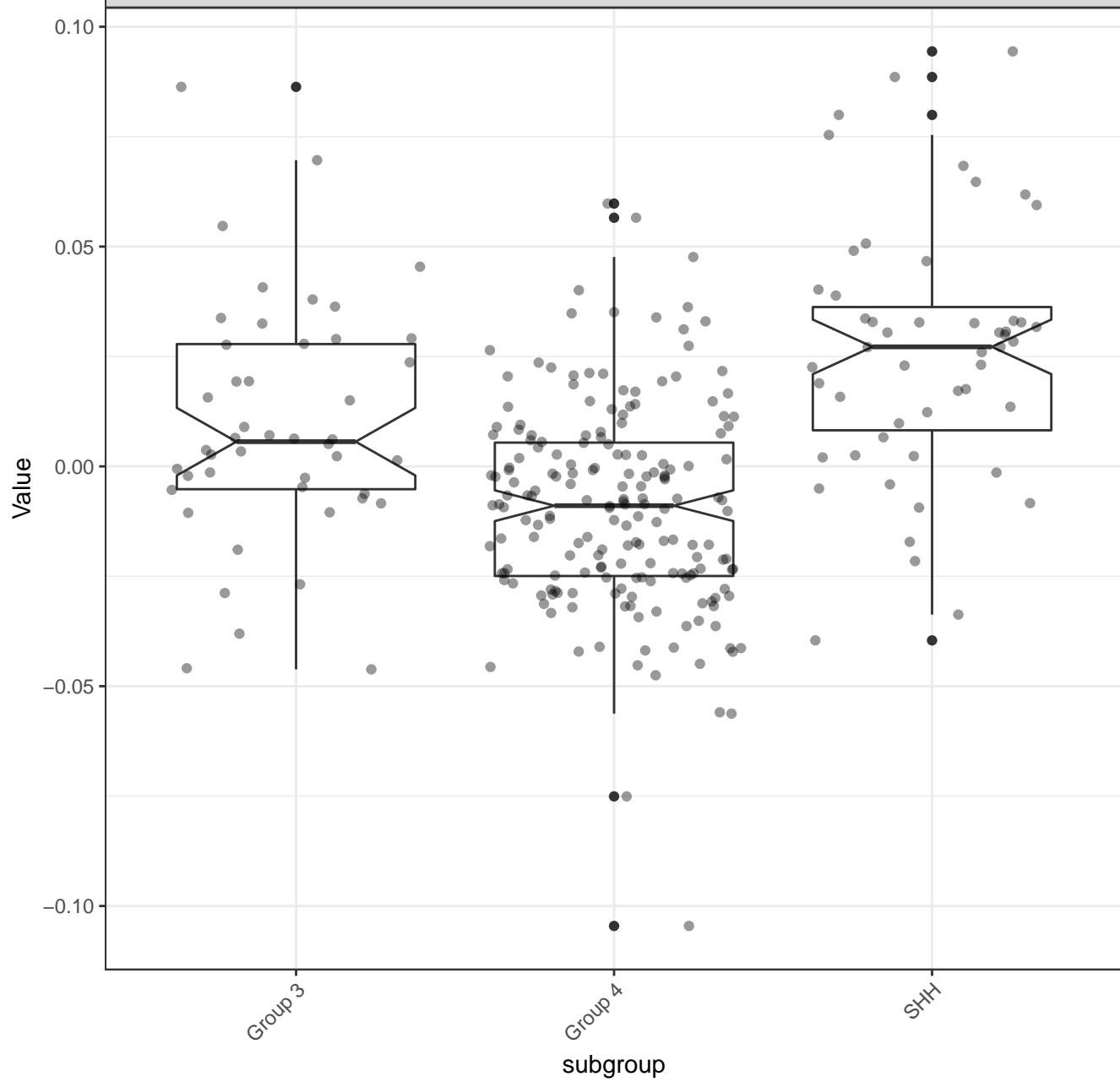
Group 4

SHH

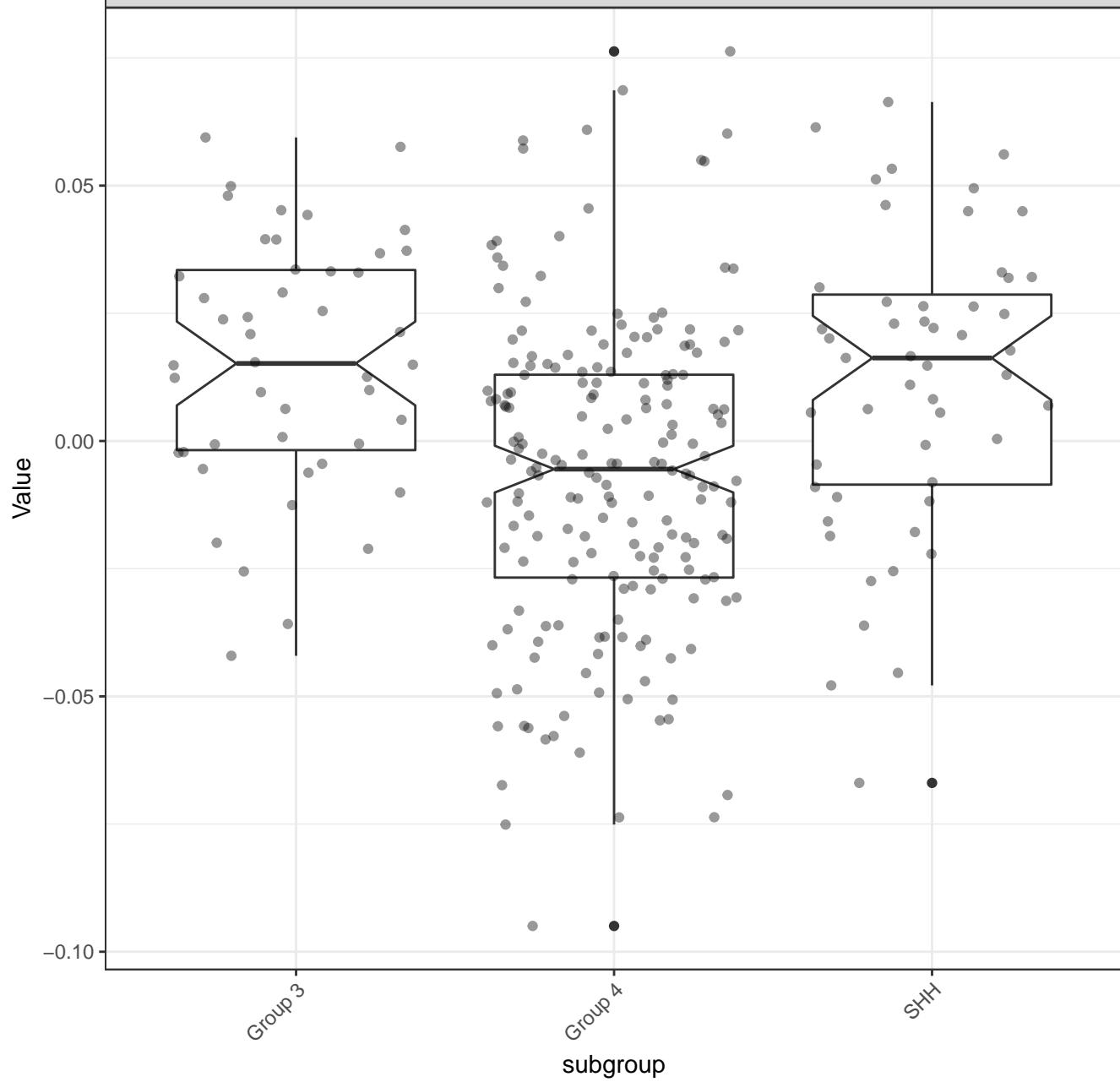
subgroup



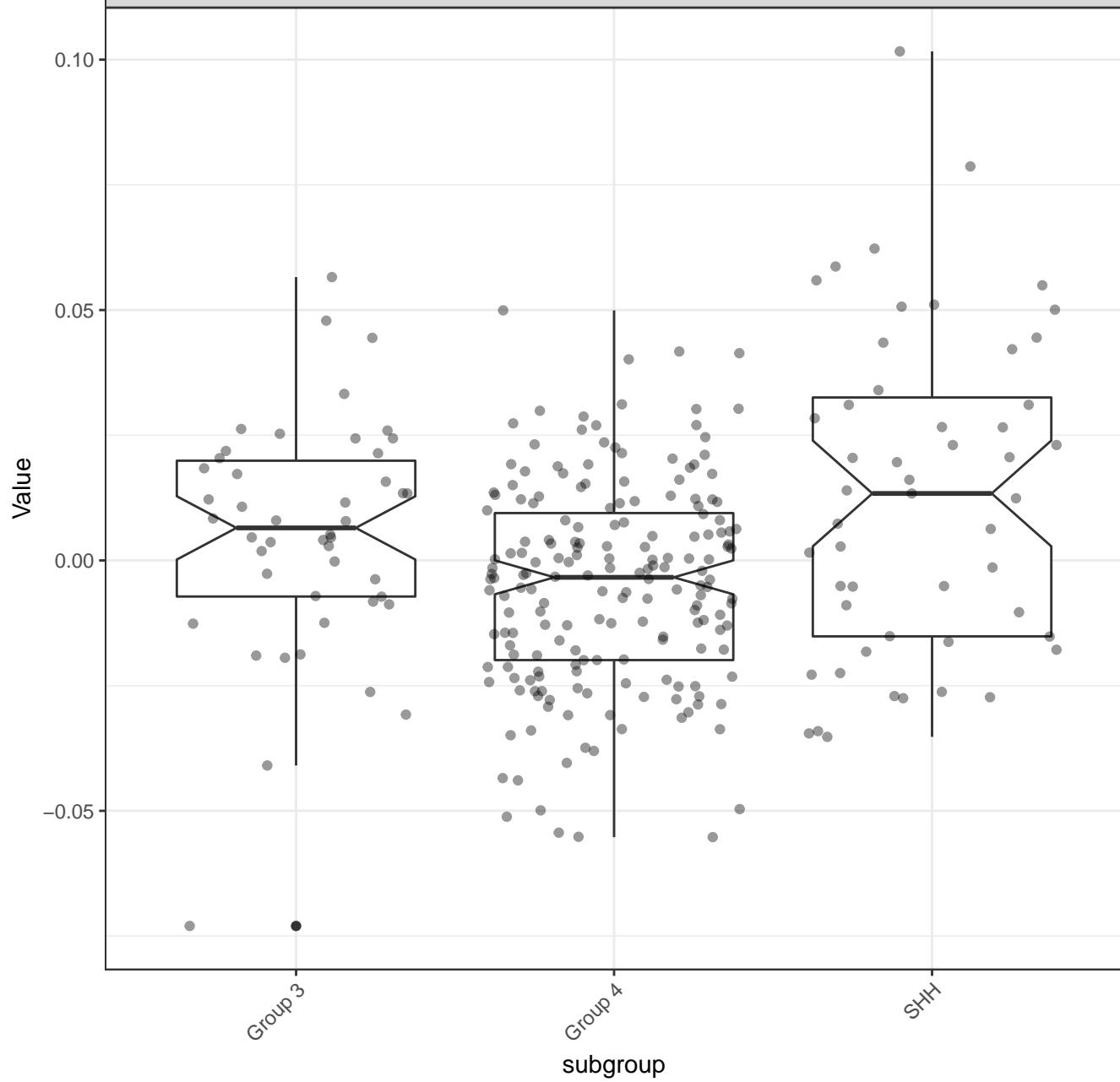
LV 513



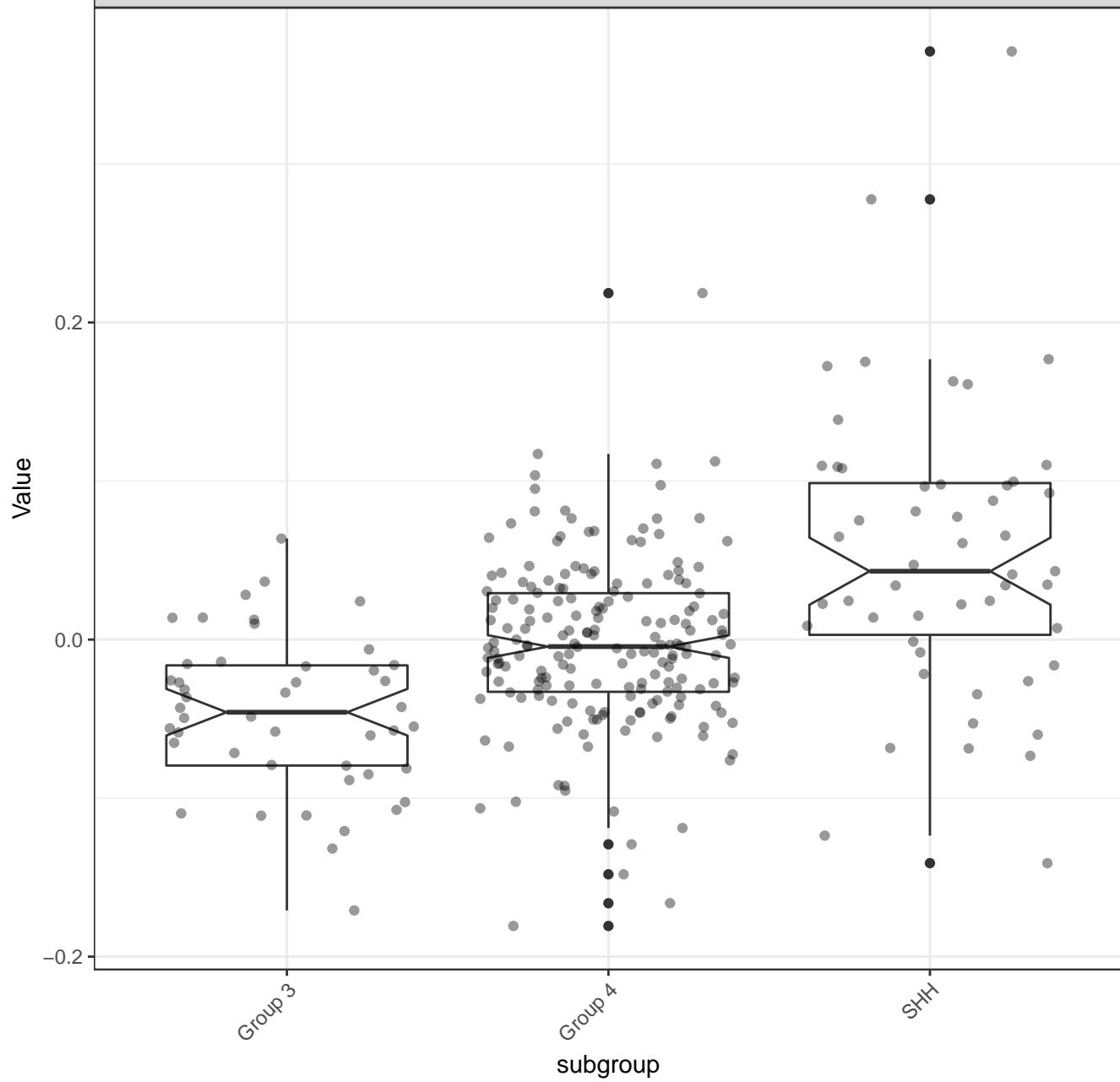
LV 514



LV 515



516,PID_TCR_PATHWAY



517,REACTOME_SIGNALING_BY_EGFR_IN_CANCER

Value

0.10

0.05

0.00

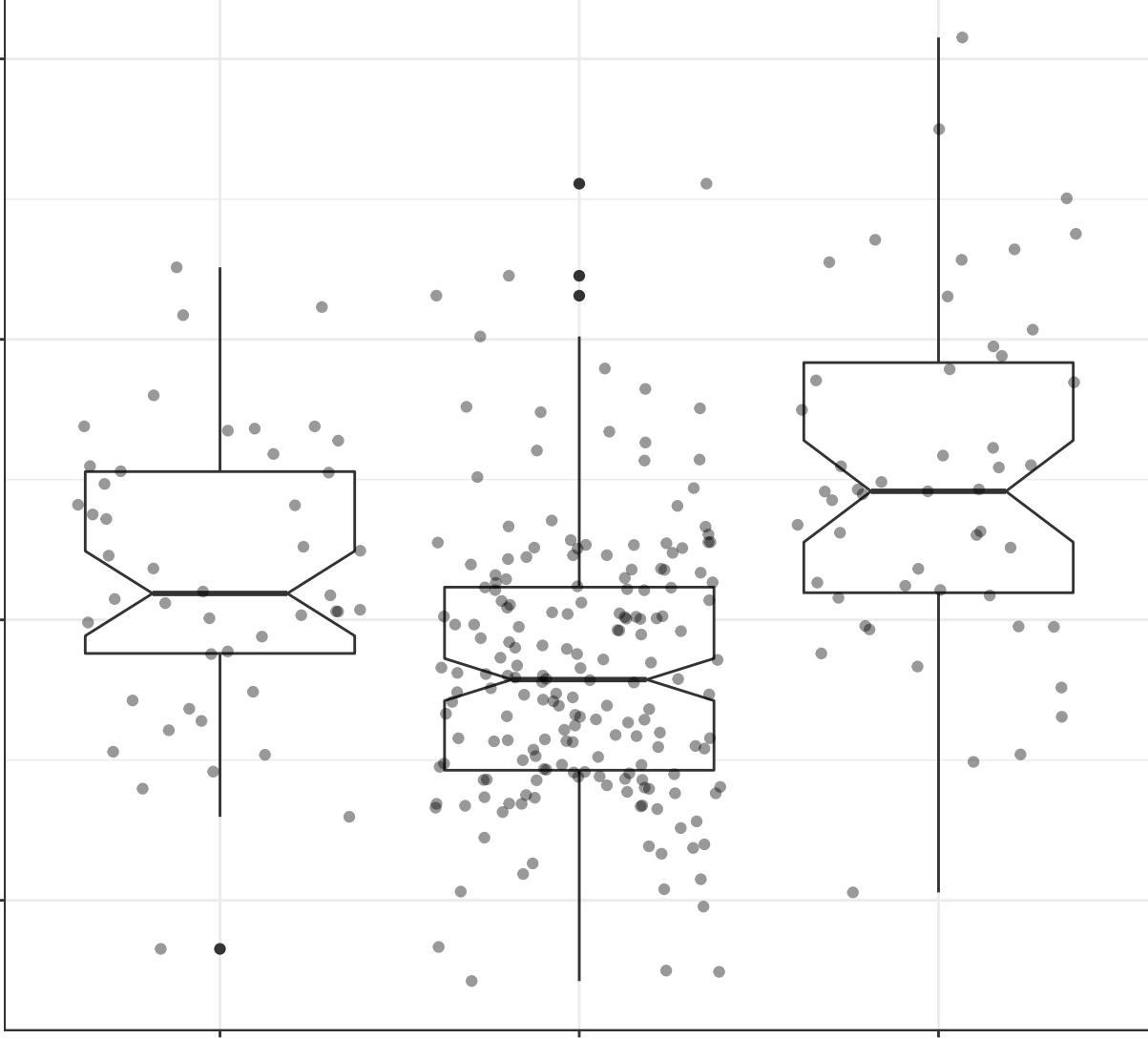
-0.05

Group 3

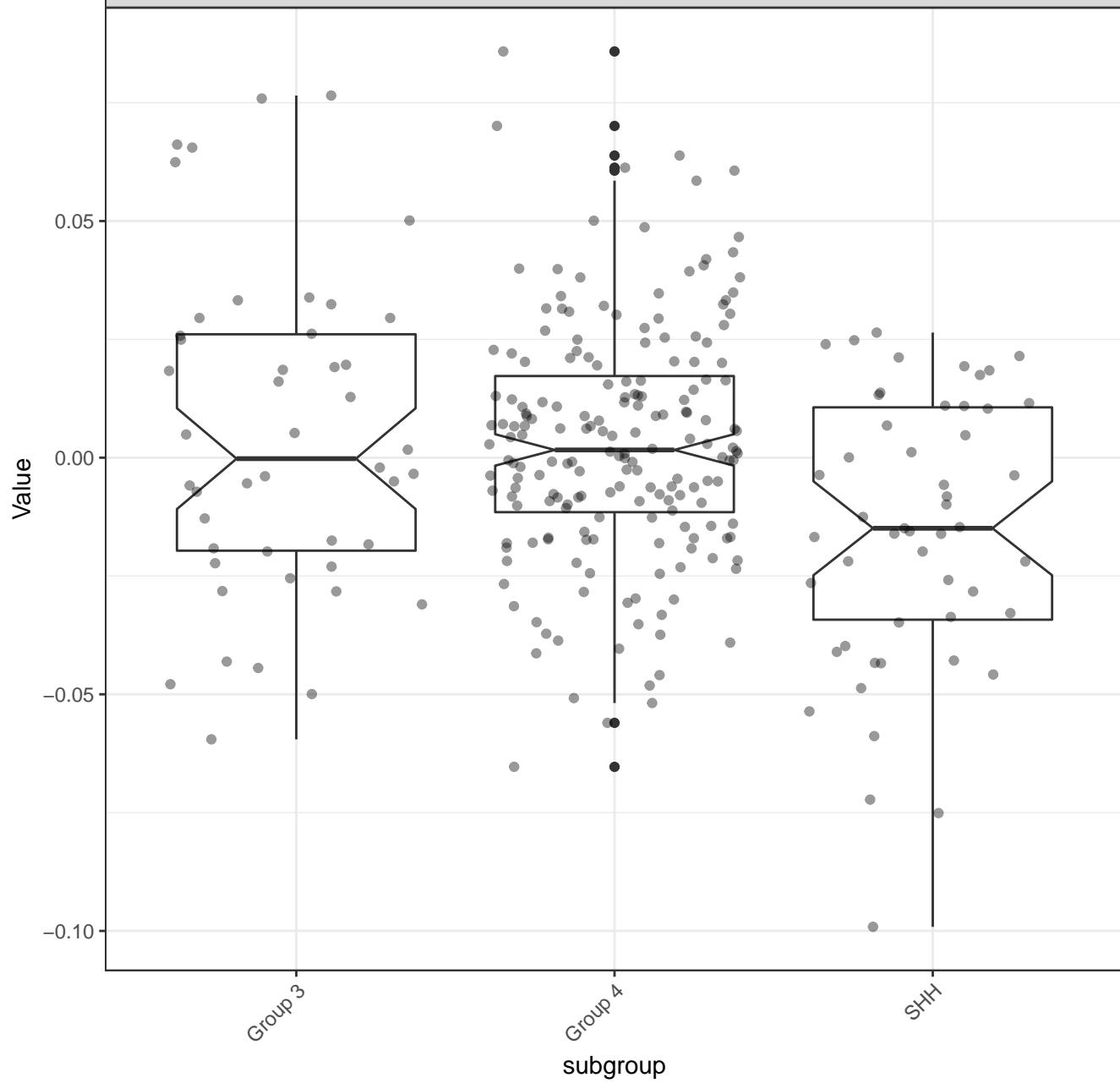
Group 4

SHH

subgroup



518,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



LV 519

Value

0.05

0.00

-0.05

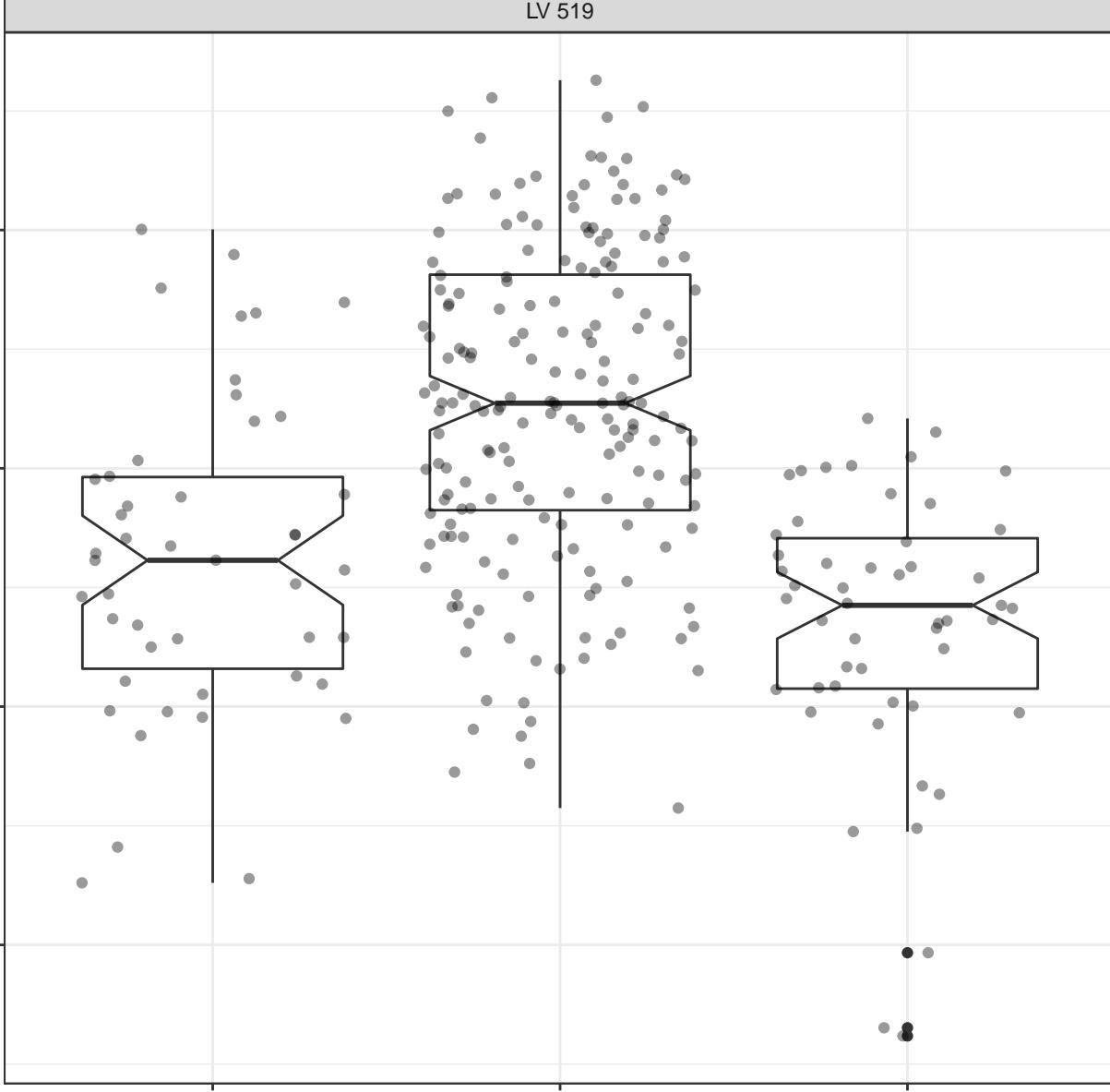
-0.10

Group 3

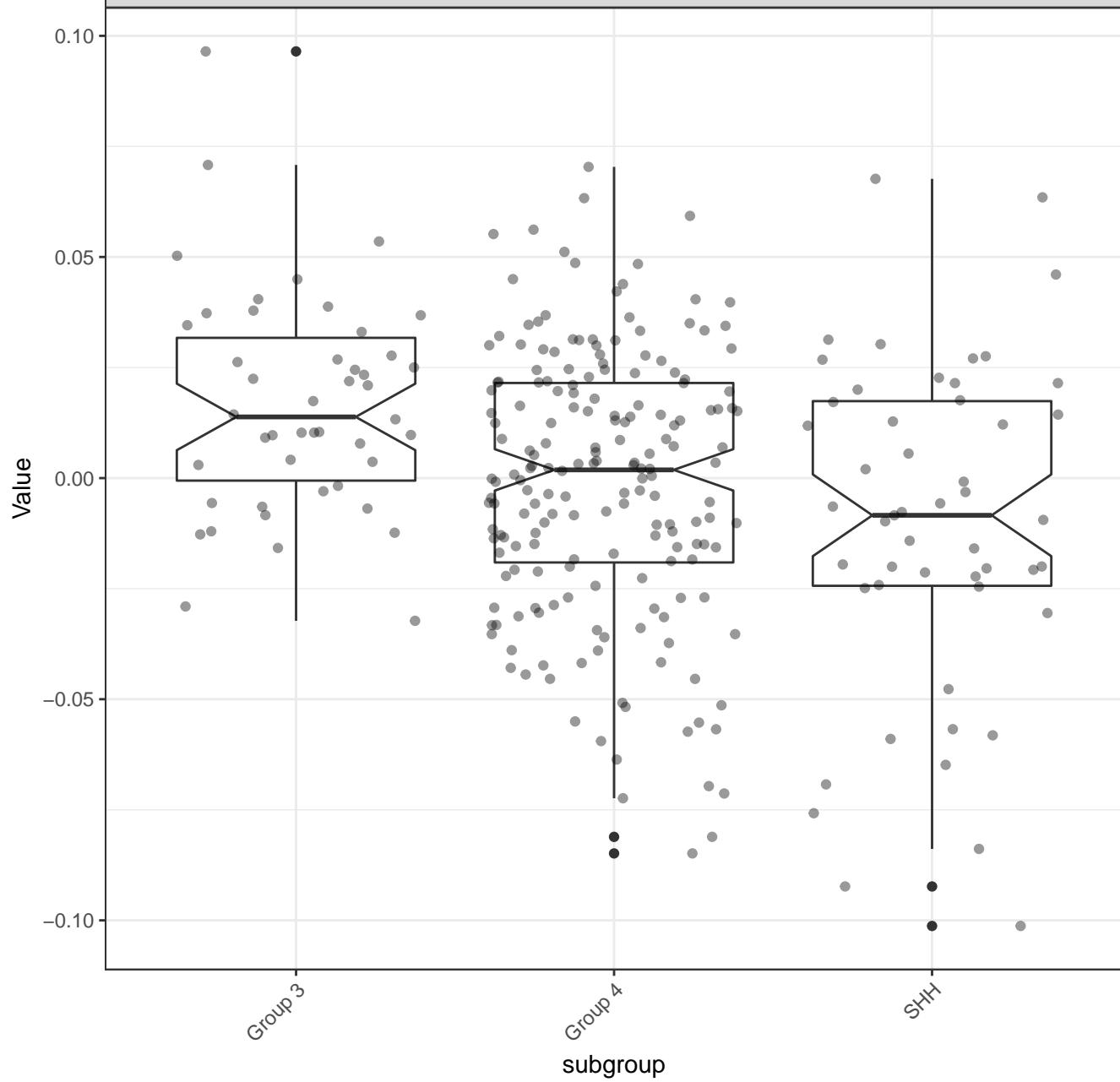
Group 4

SHH

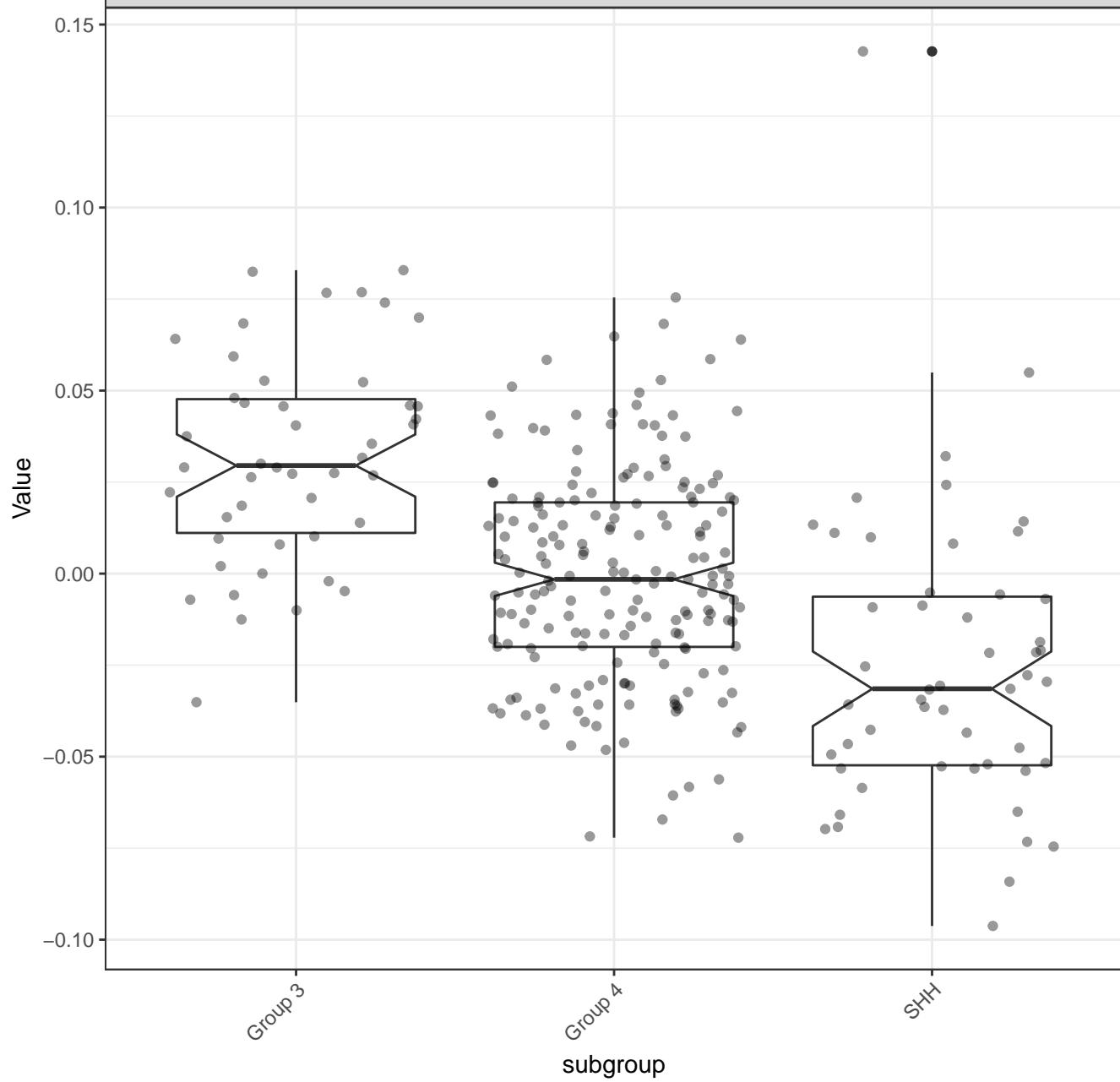
subgroup



LV 520



LV 521



LV 522

Value

0.10

0.05

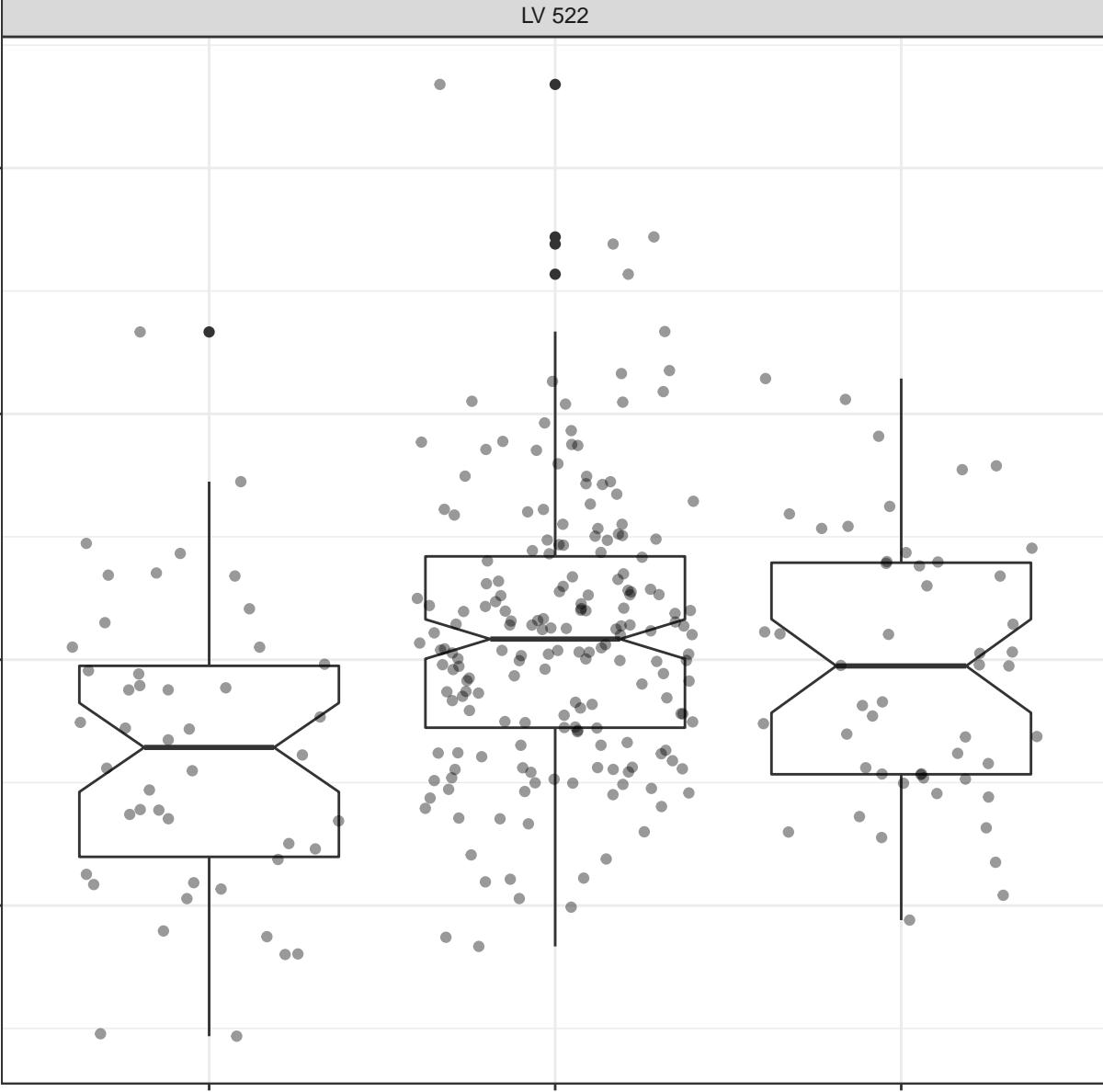
0.00

-0.05

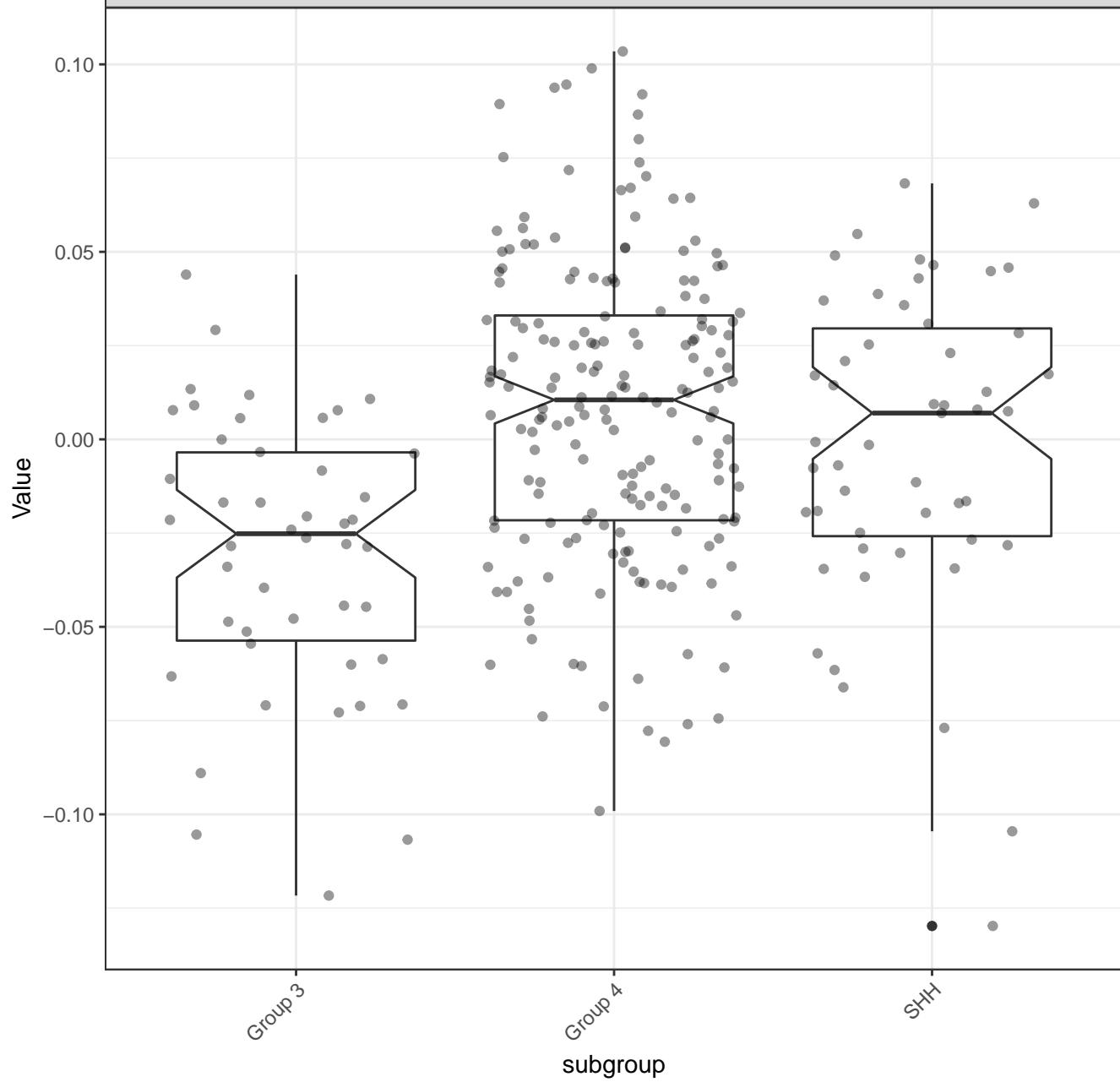
Group 3

subgroup

SHH

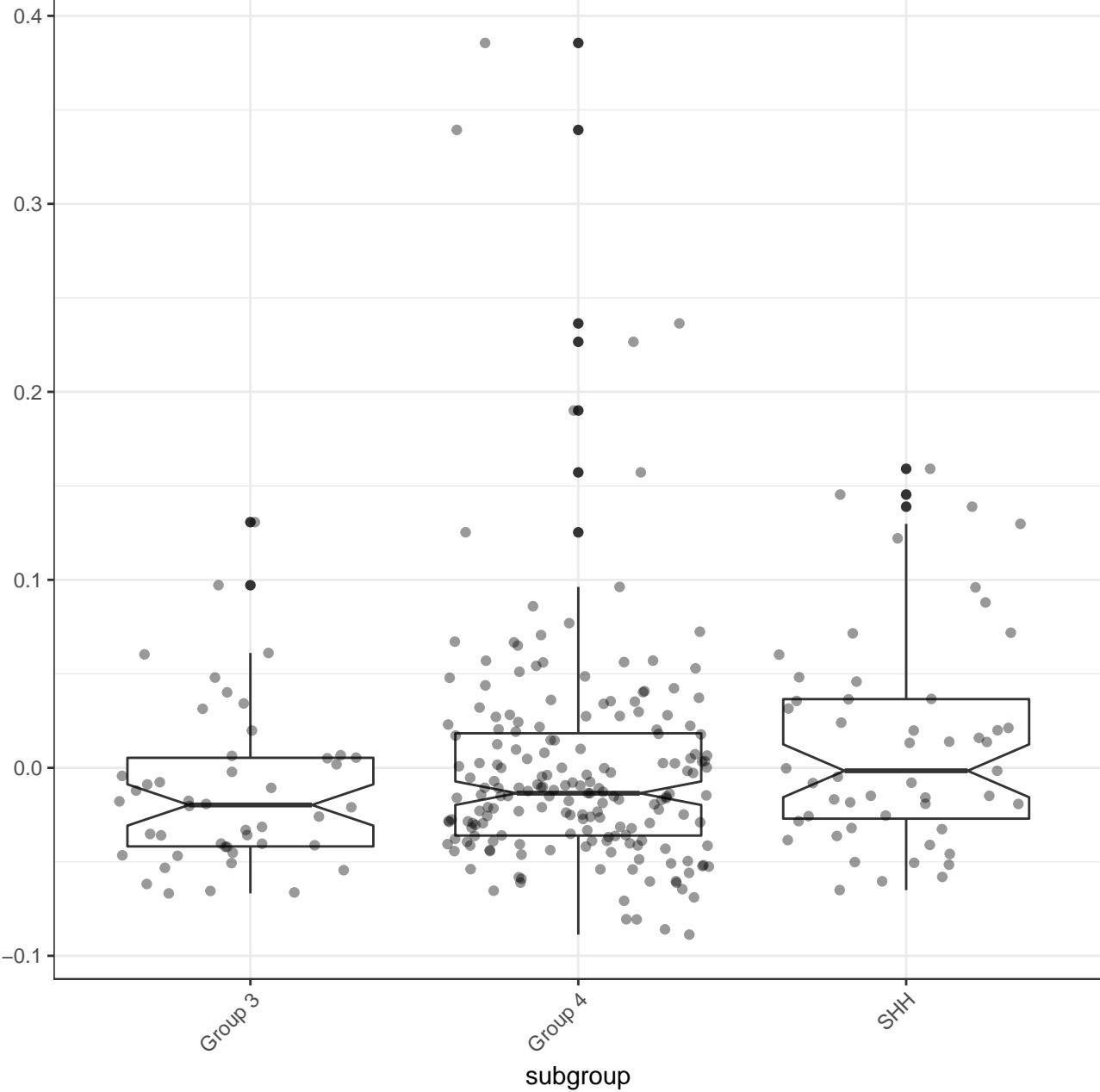


LV 523



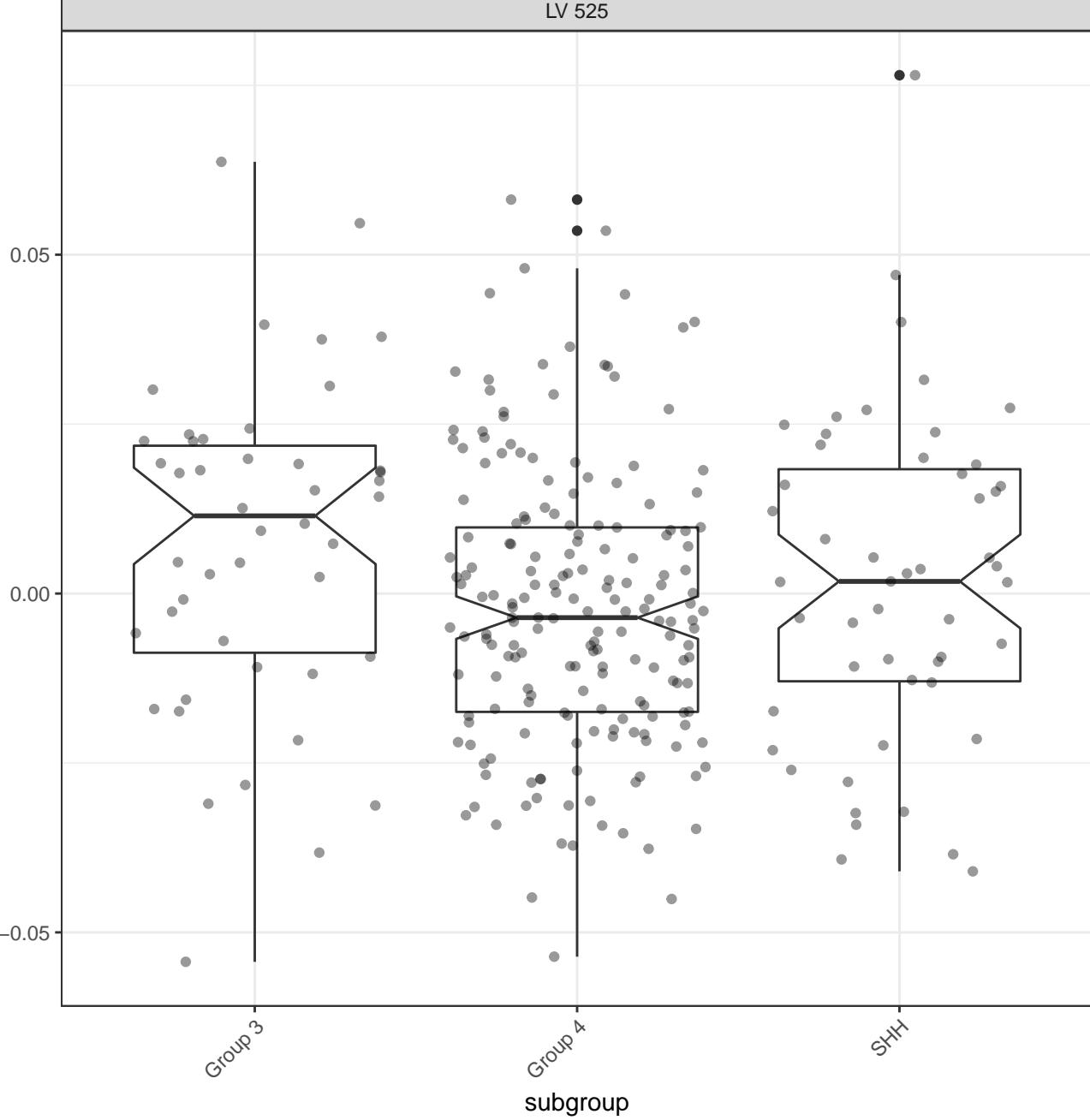
524,IRIS_Neutrophil–Resting

Value



LV 525

Value



LV 526

Value

0.10

0.05

0.00

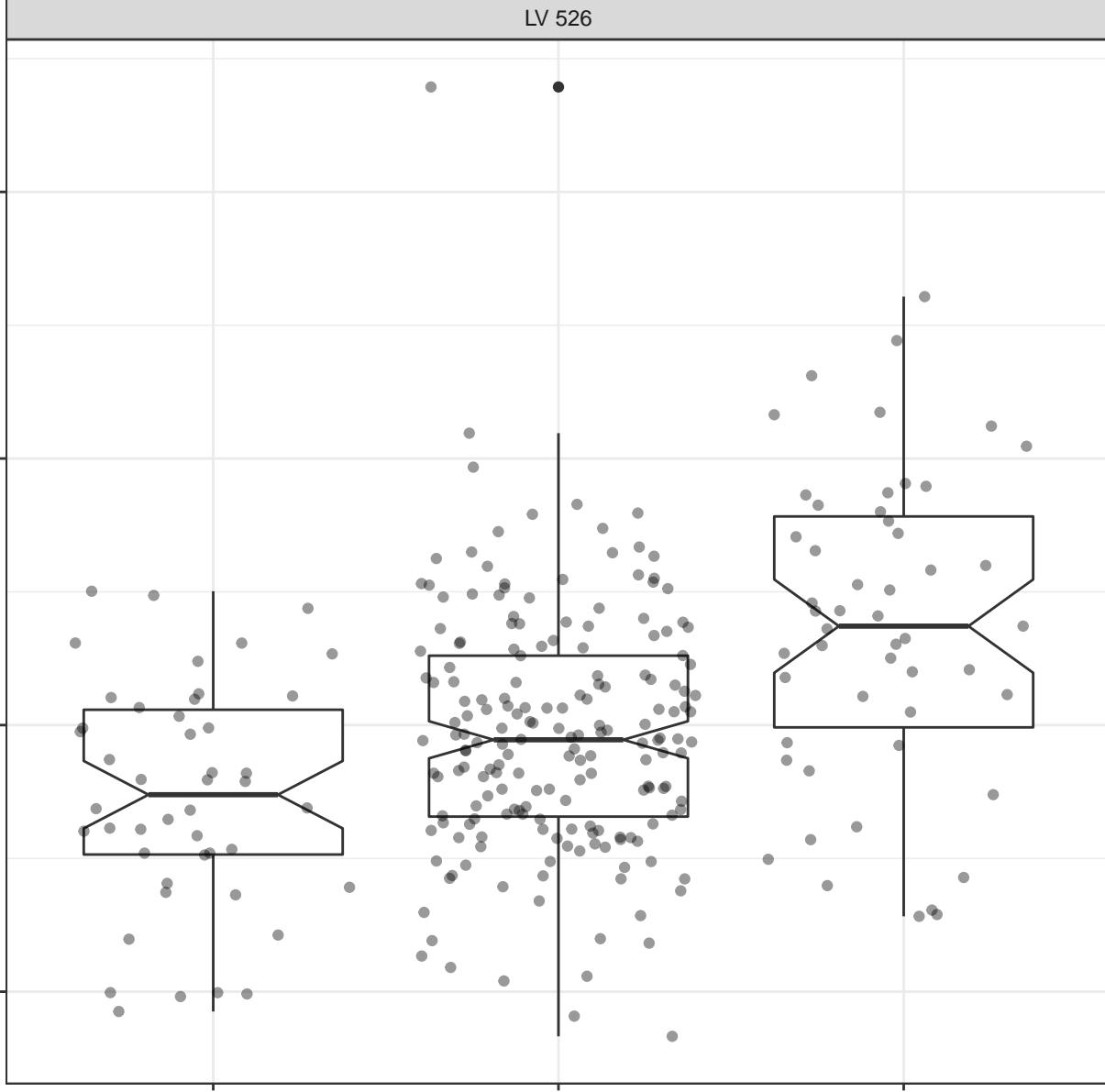
-0.05

Group 3

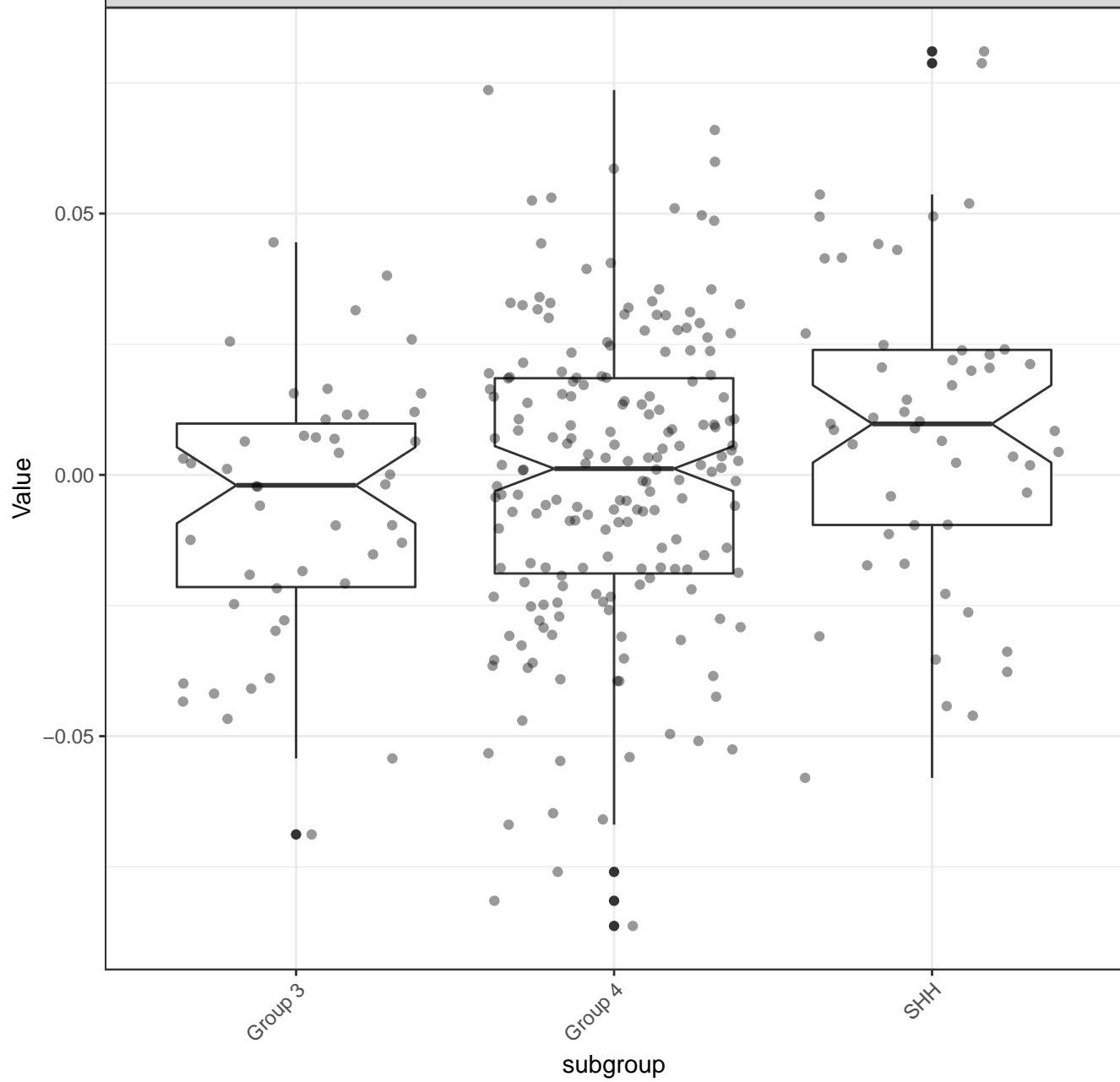
subgroup

Group 4

SHH



LV 527



LV 528

Value

0.05

0.00

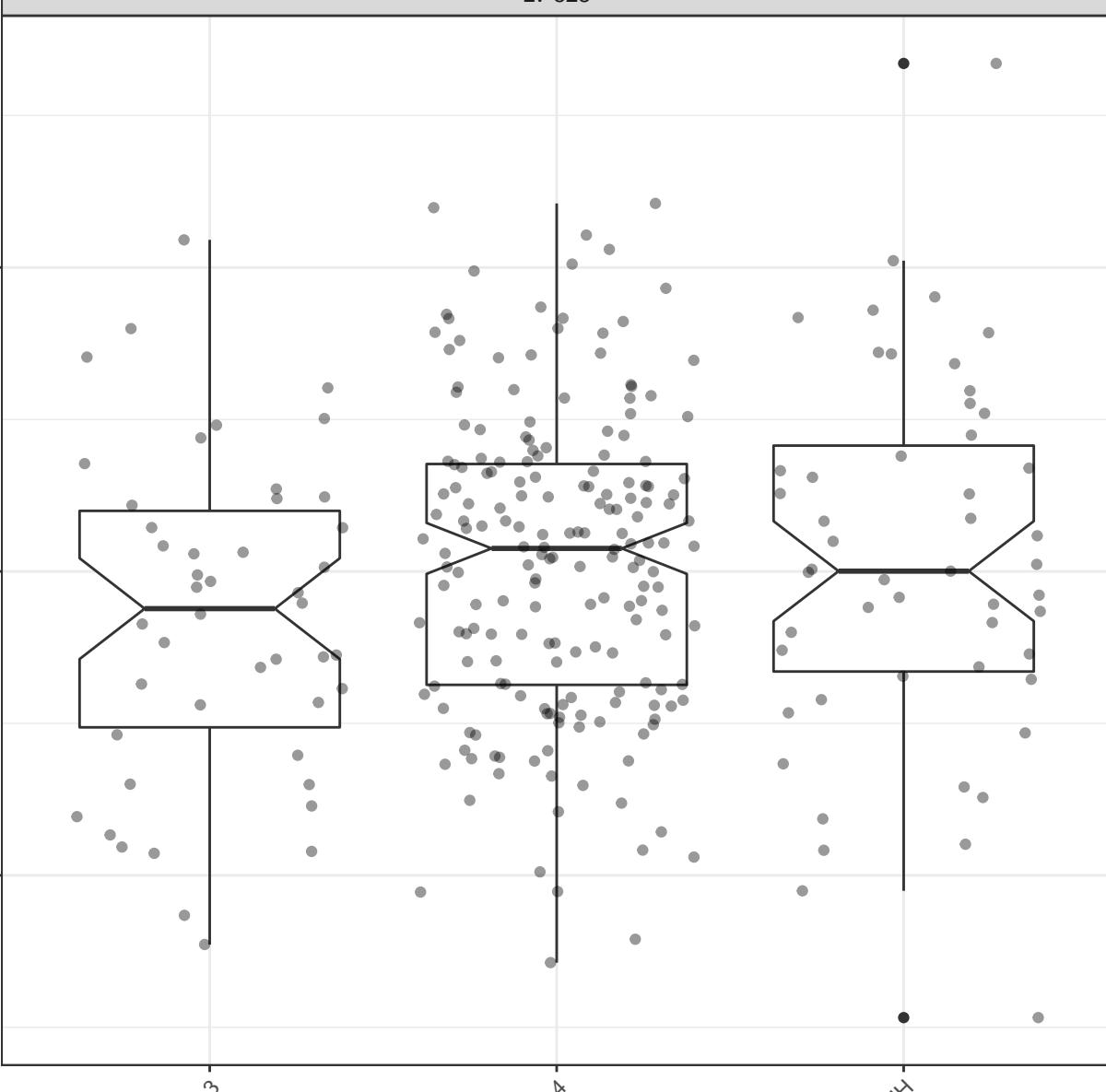
-0.05

Group 3

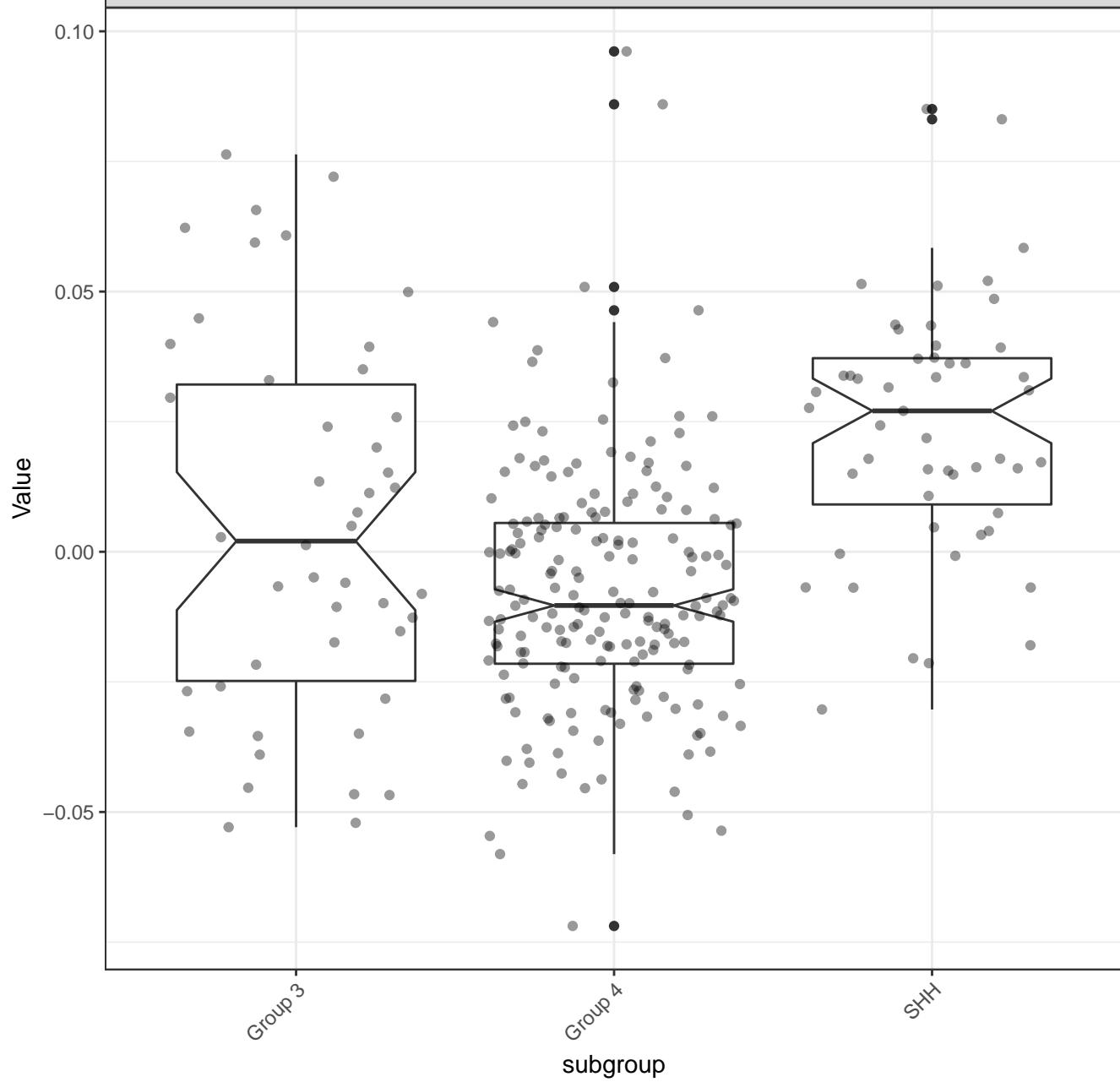
Group 4

SHH

subgroup



LV 529



LV 530

Value

0.10

0.05

0.00

-0.05

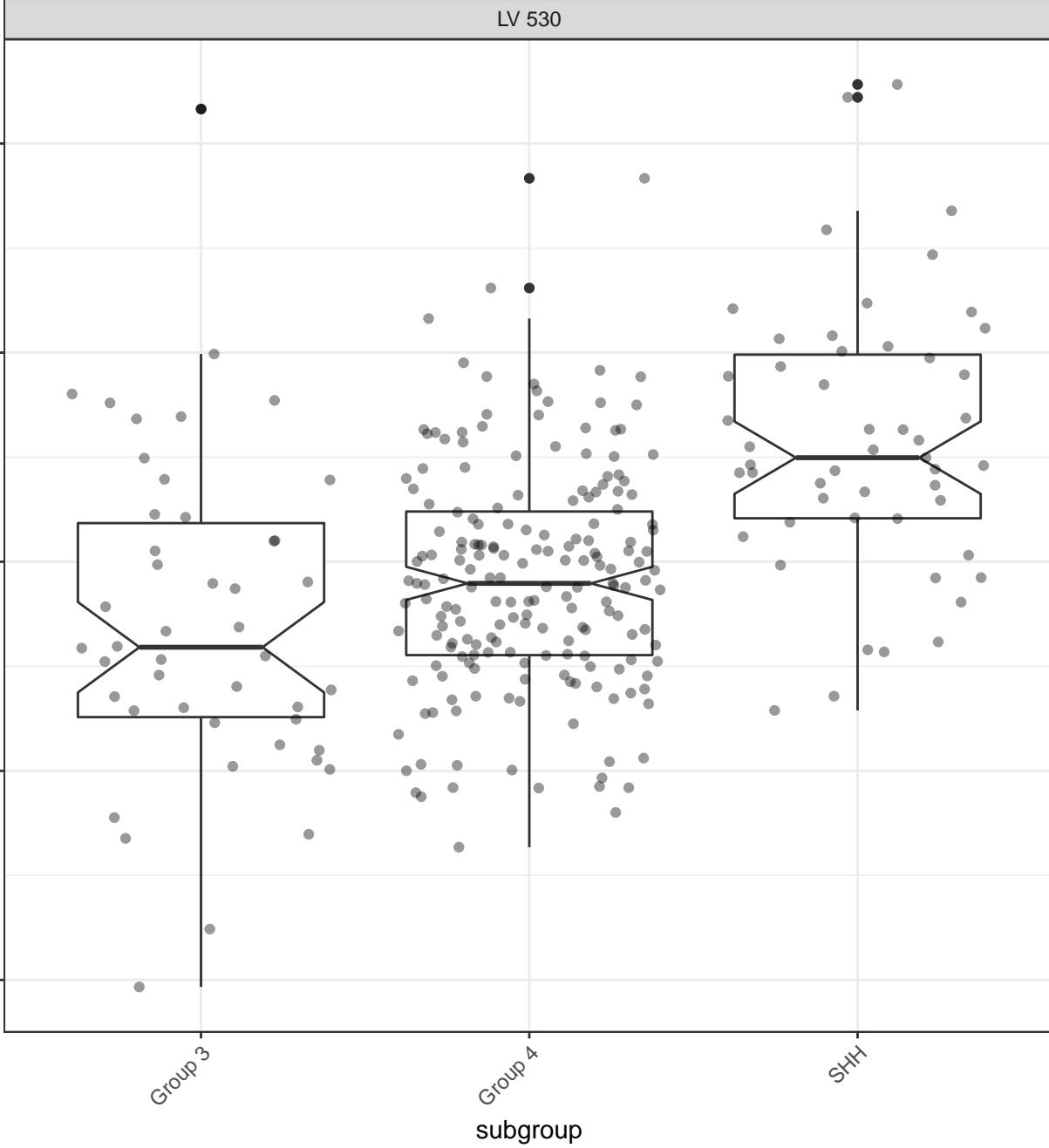
-0.10

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

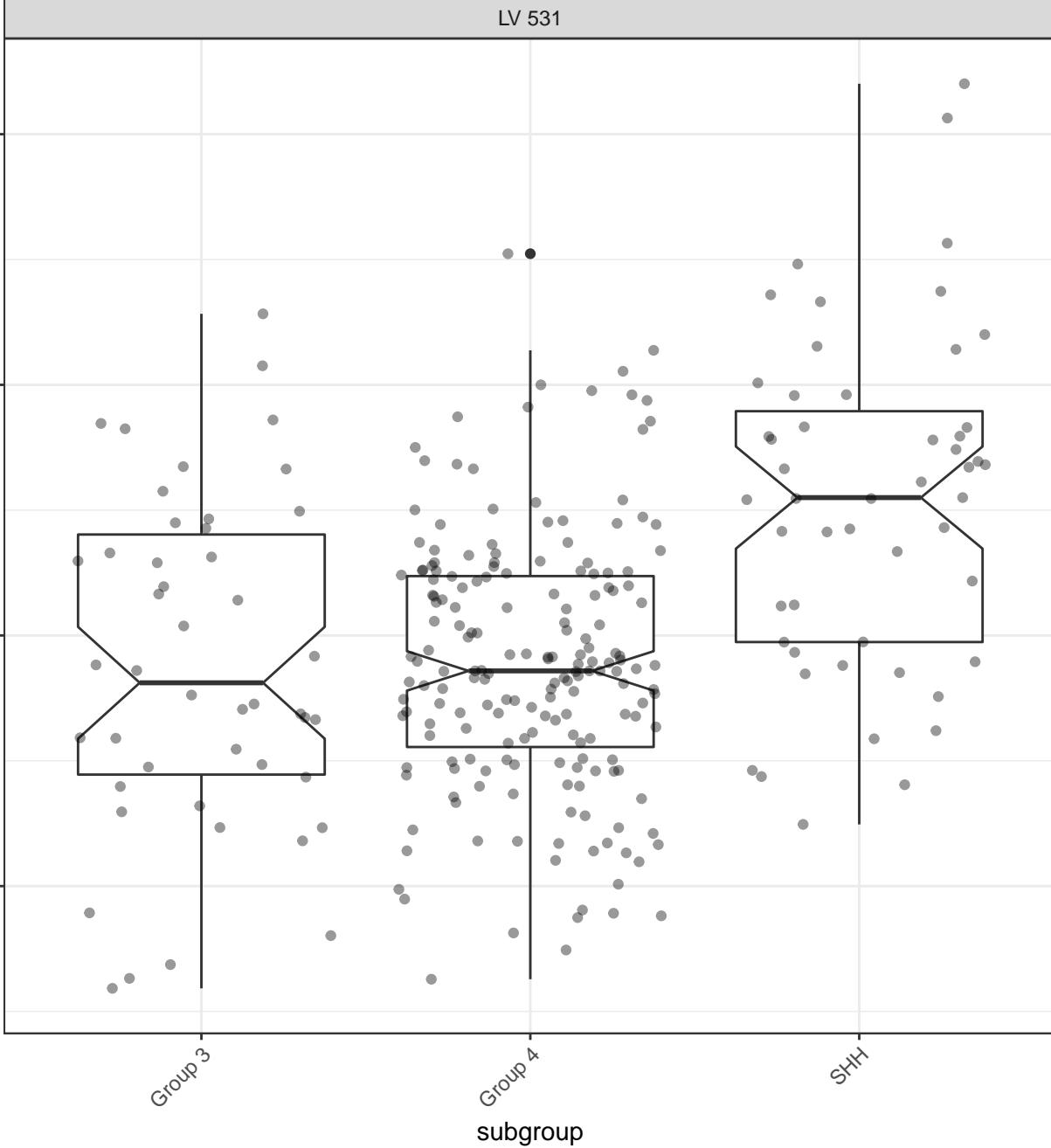
-0.05

Group 3

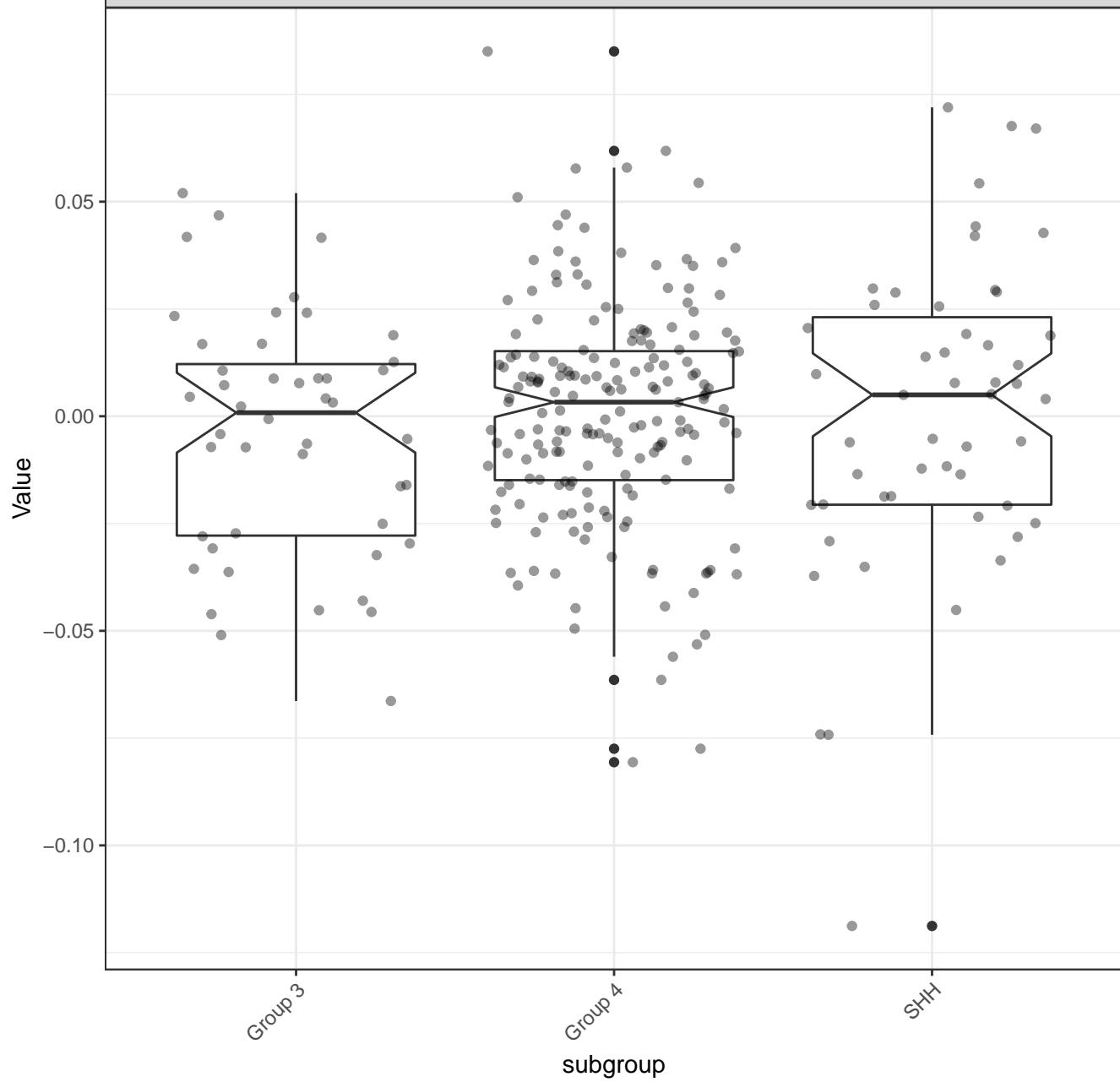
Group 4

SHH

subgroup



LV 532



LV 533

Value

0.15

0.10

0.05

0.00

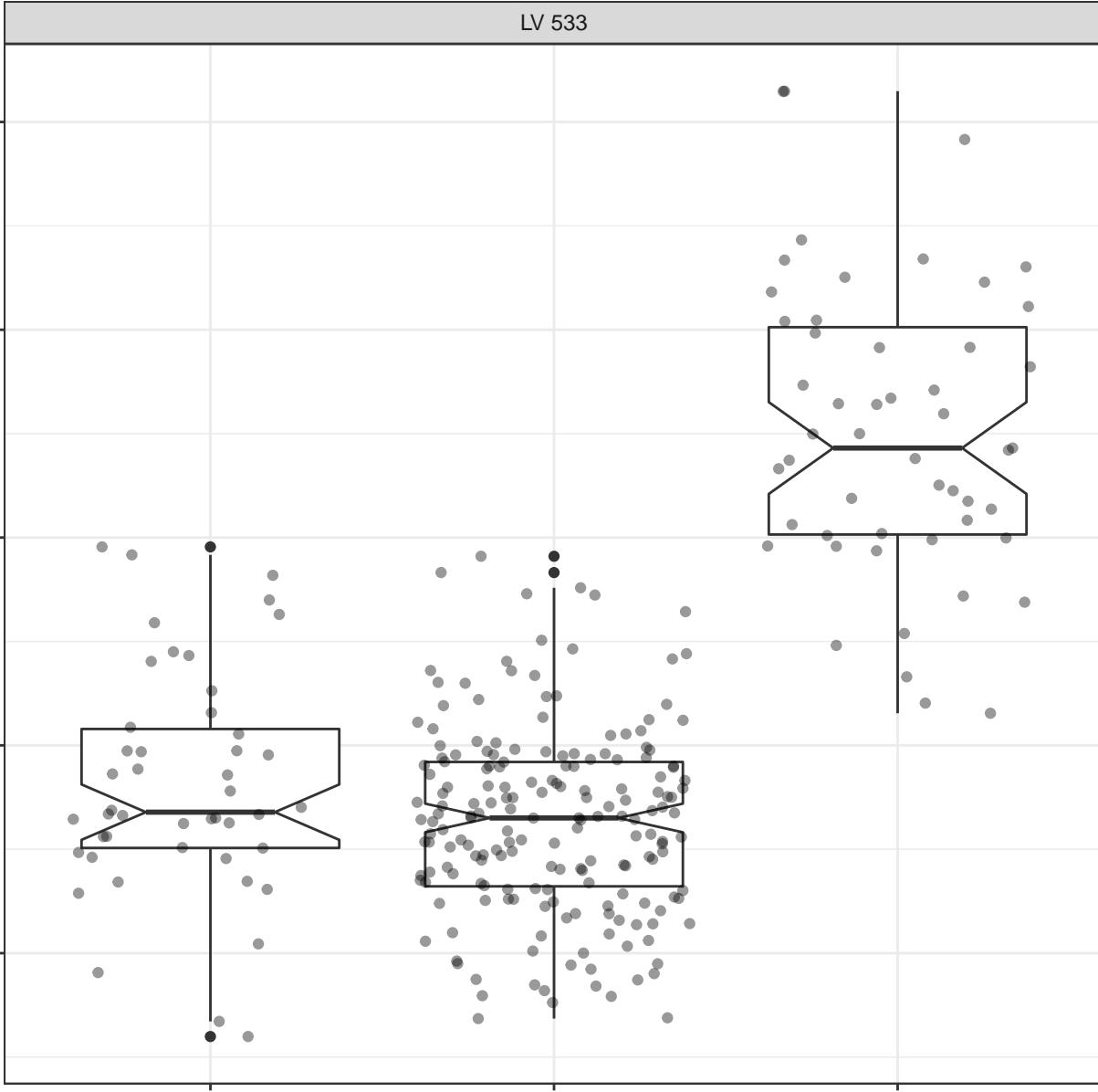
-0.05

Group 3

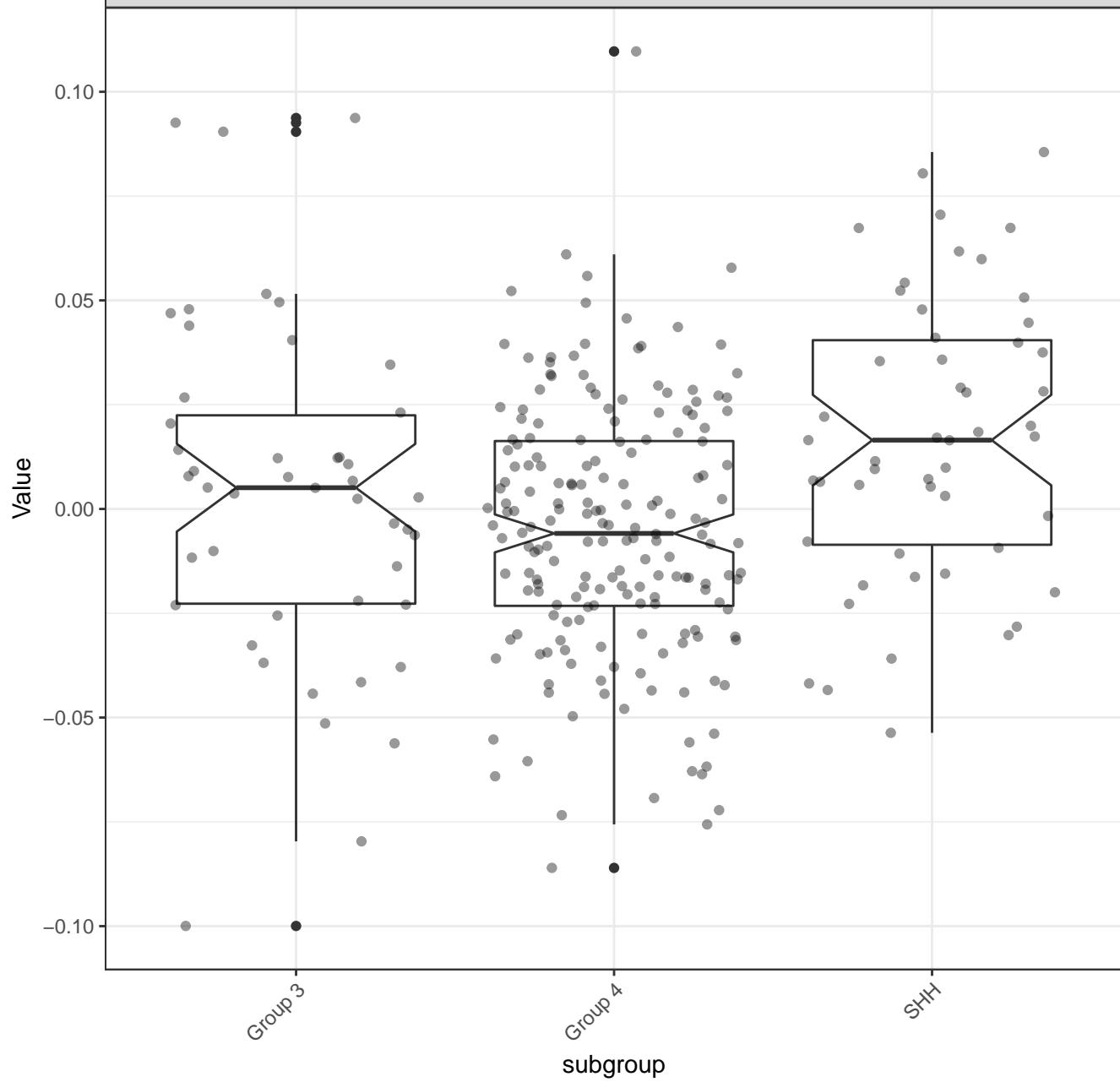
subgroup

Group 4

SHH



LV 534



LV 535

Value

0.05

0.00

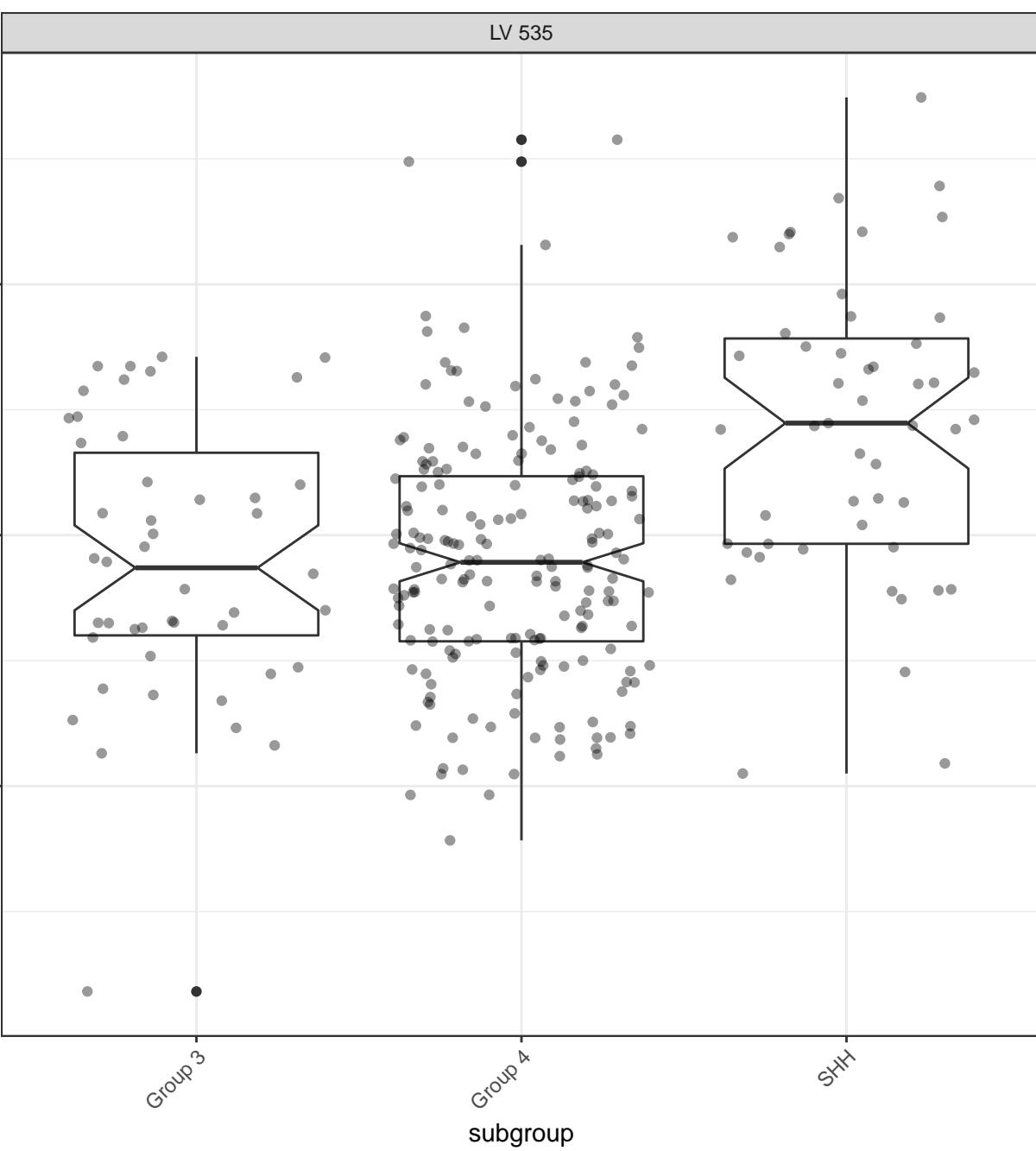
-0.05

Group₃

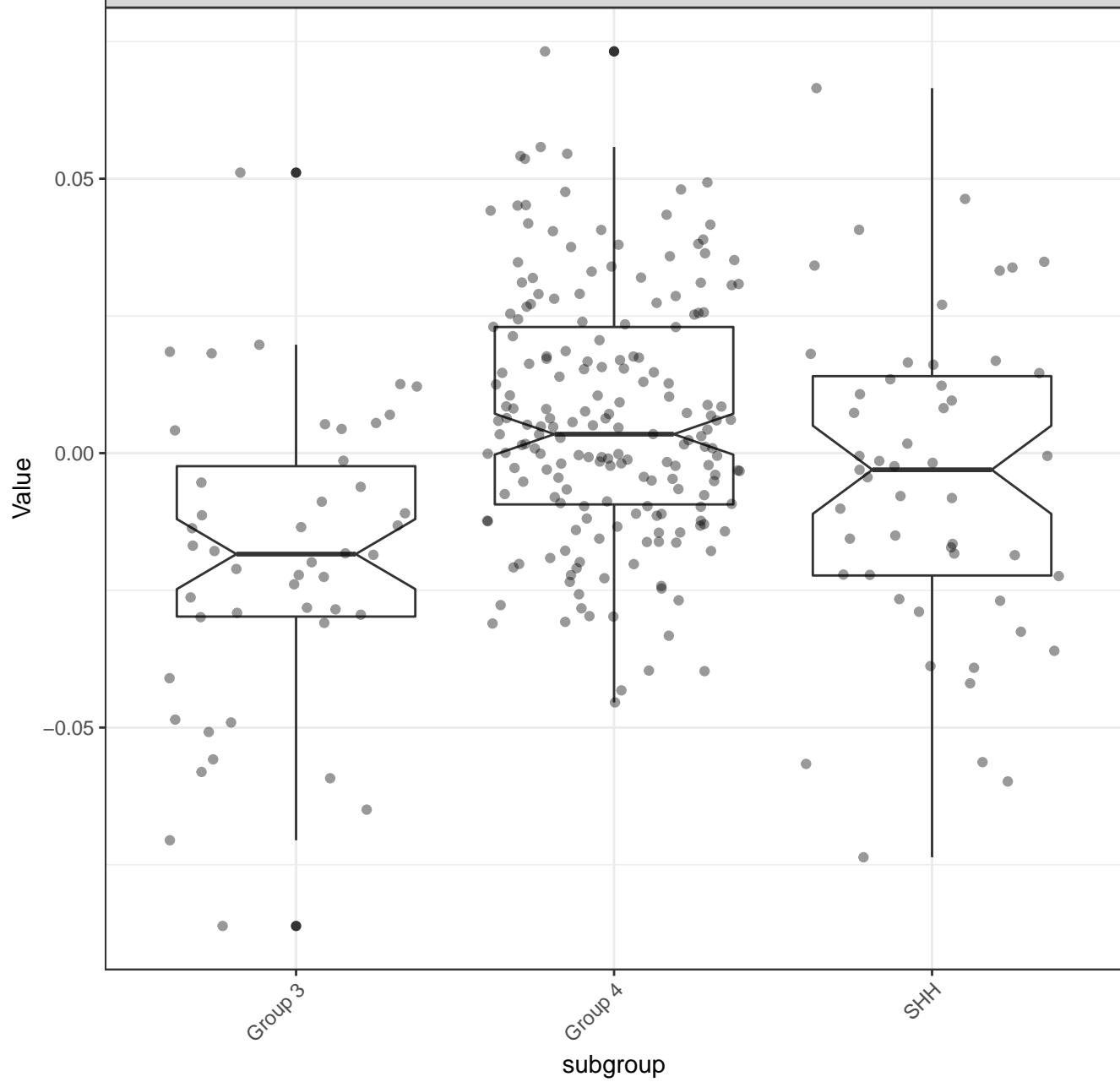
subgroup

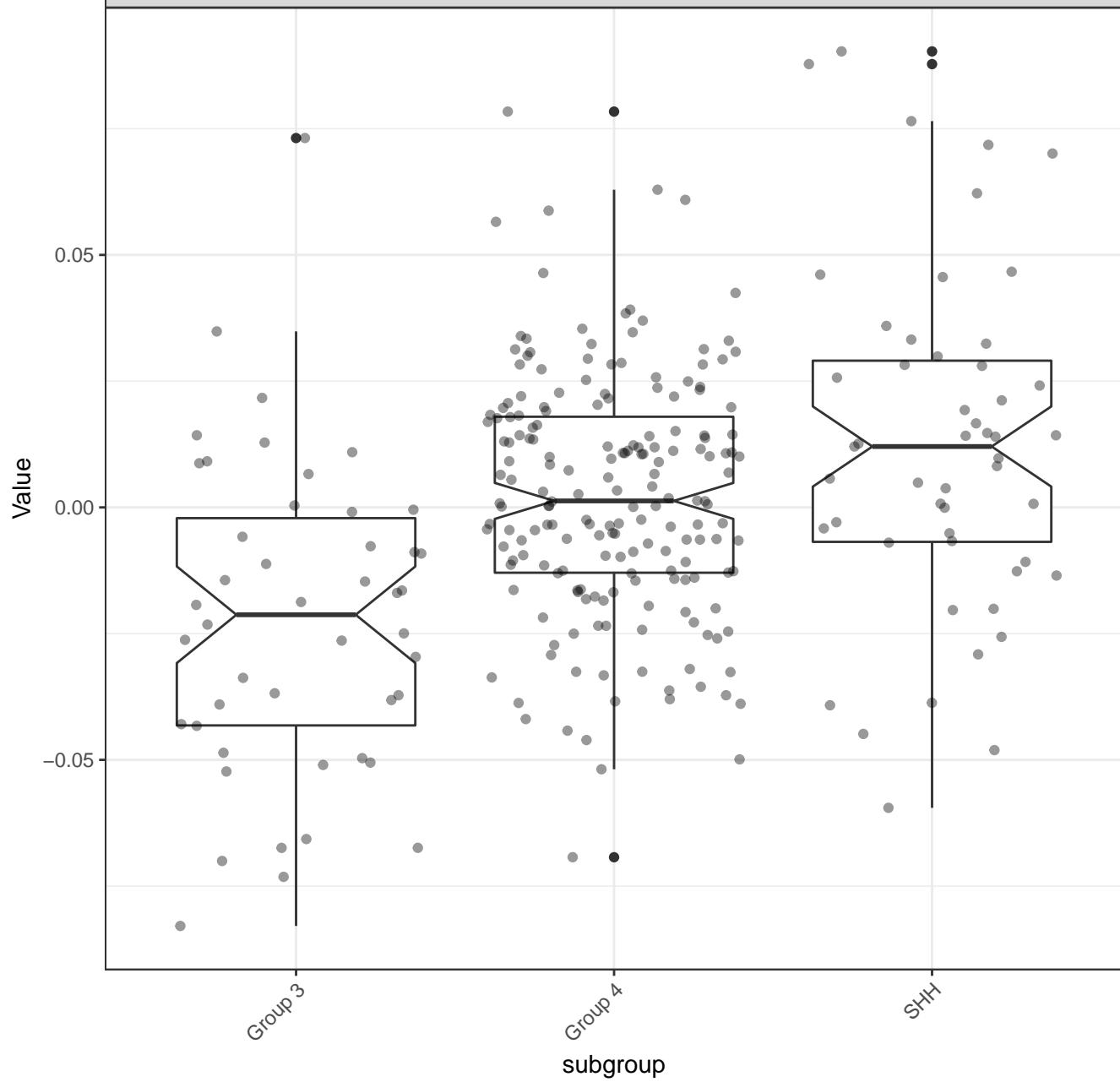
Group₄

SHH

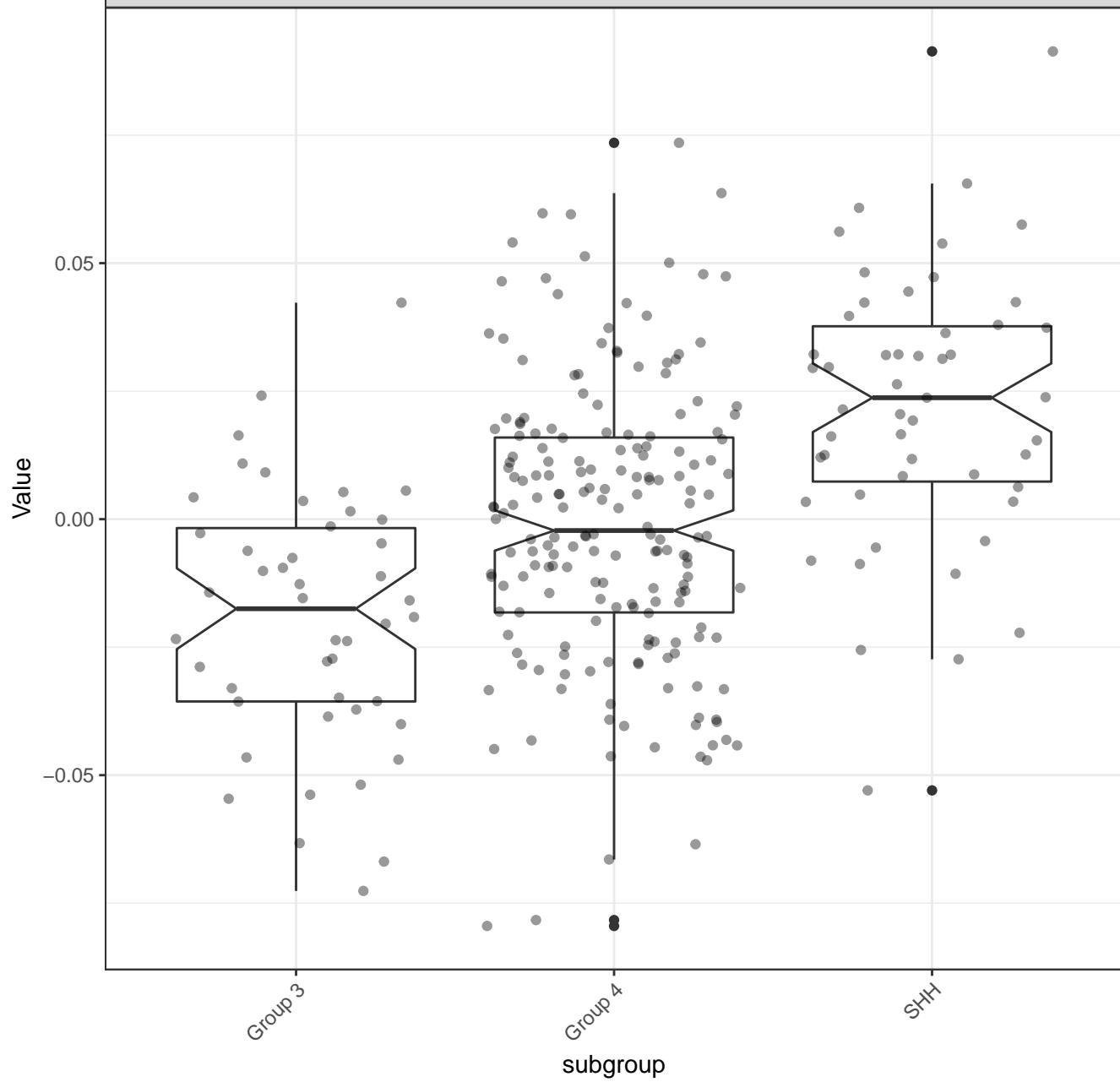


LV 536

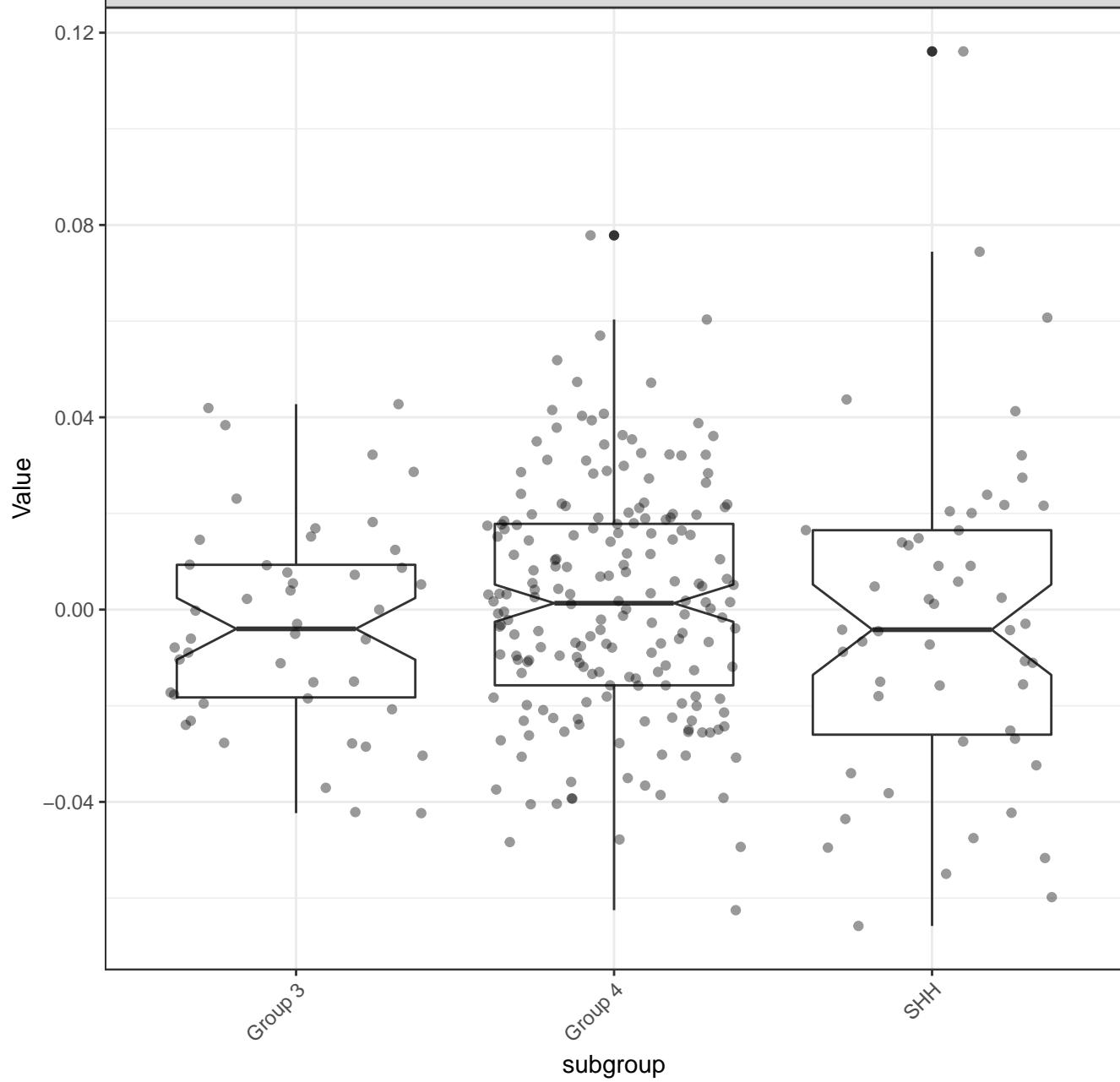




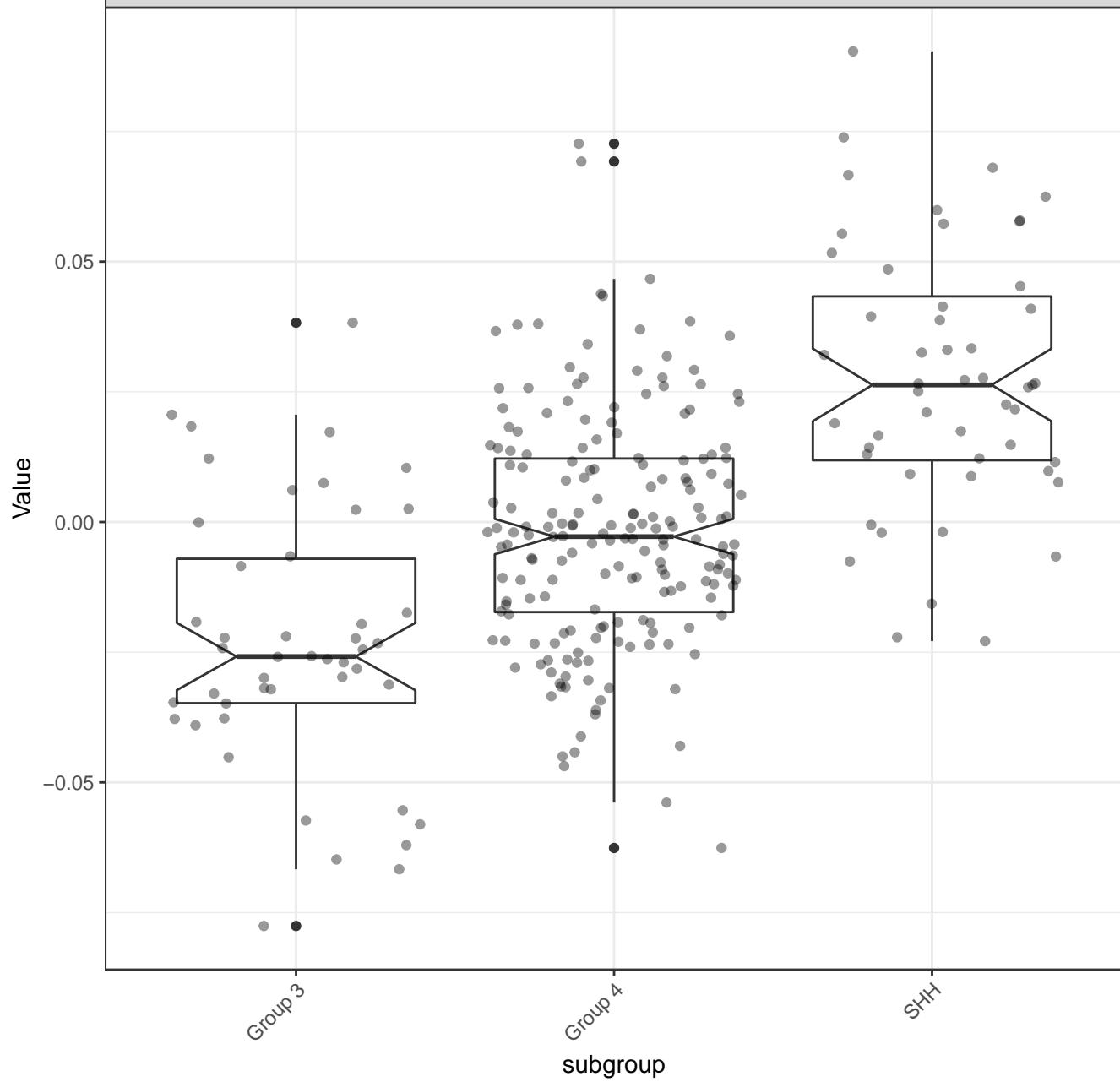
538,PID_P73PATHWAY



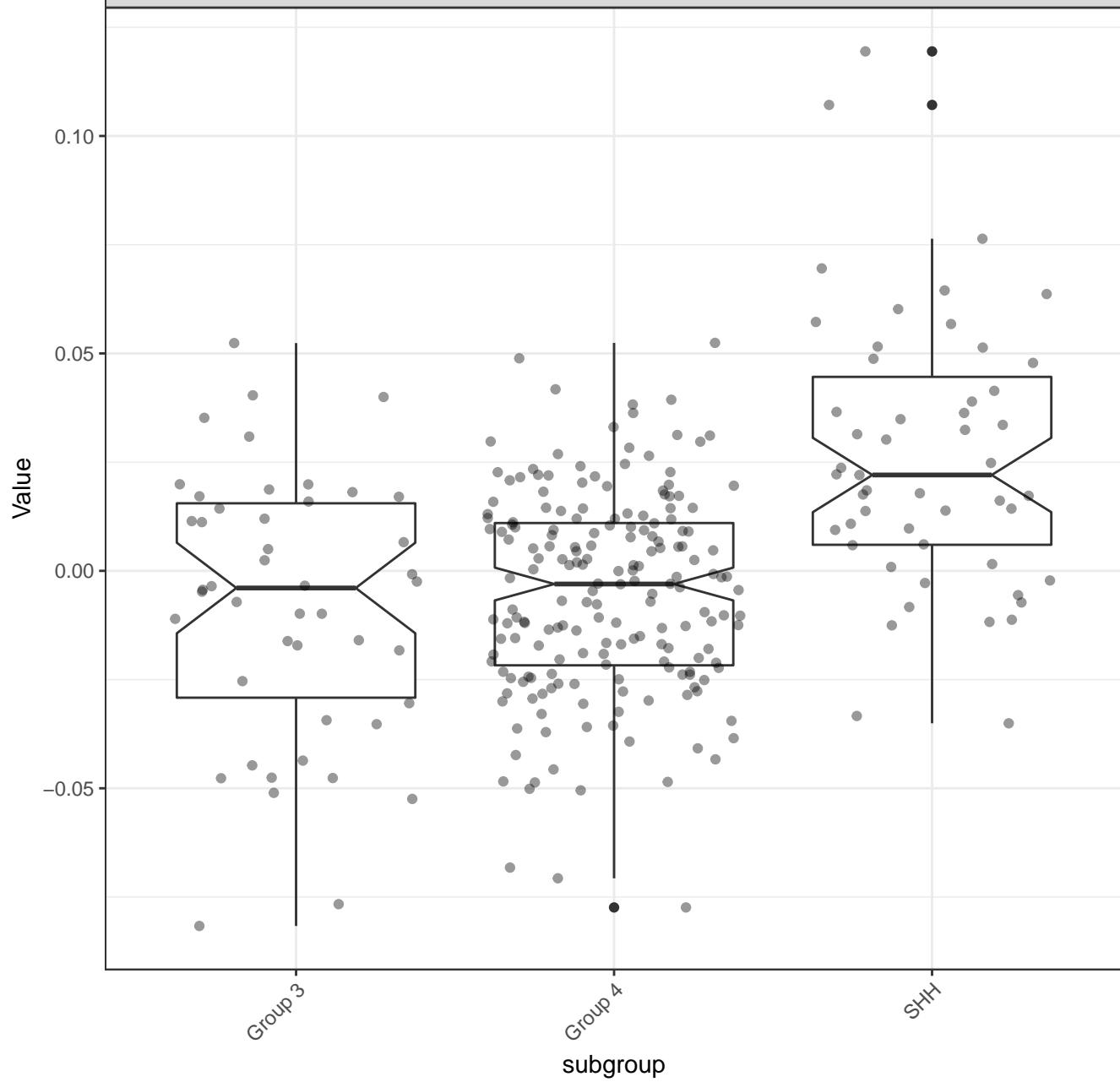
LV 539

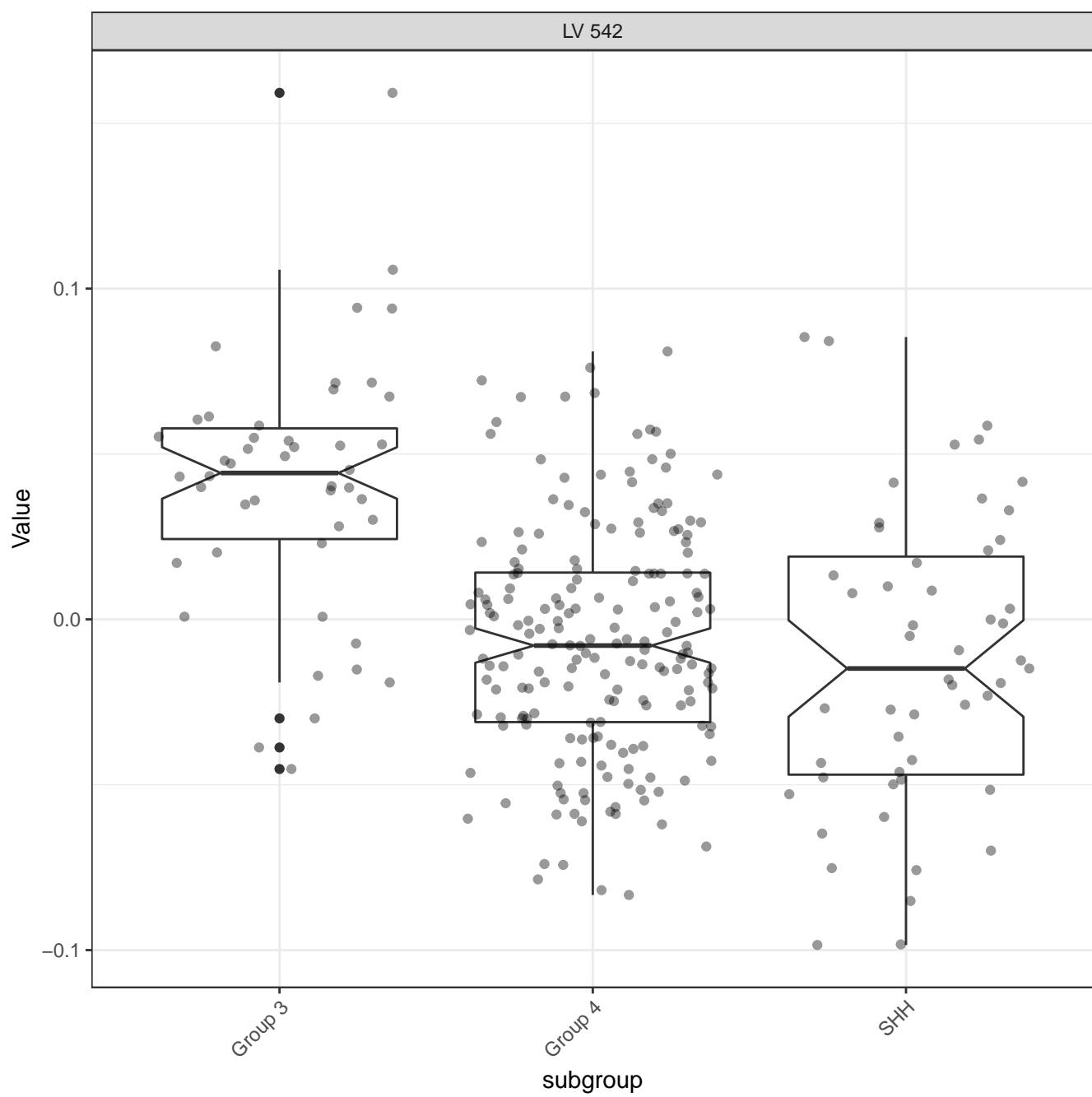


LV 540

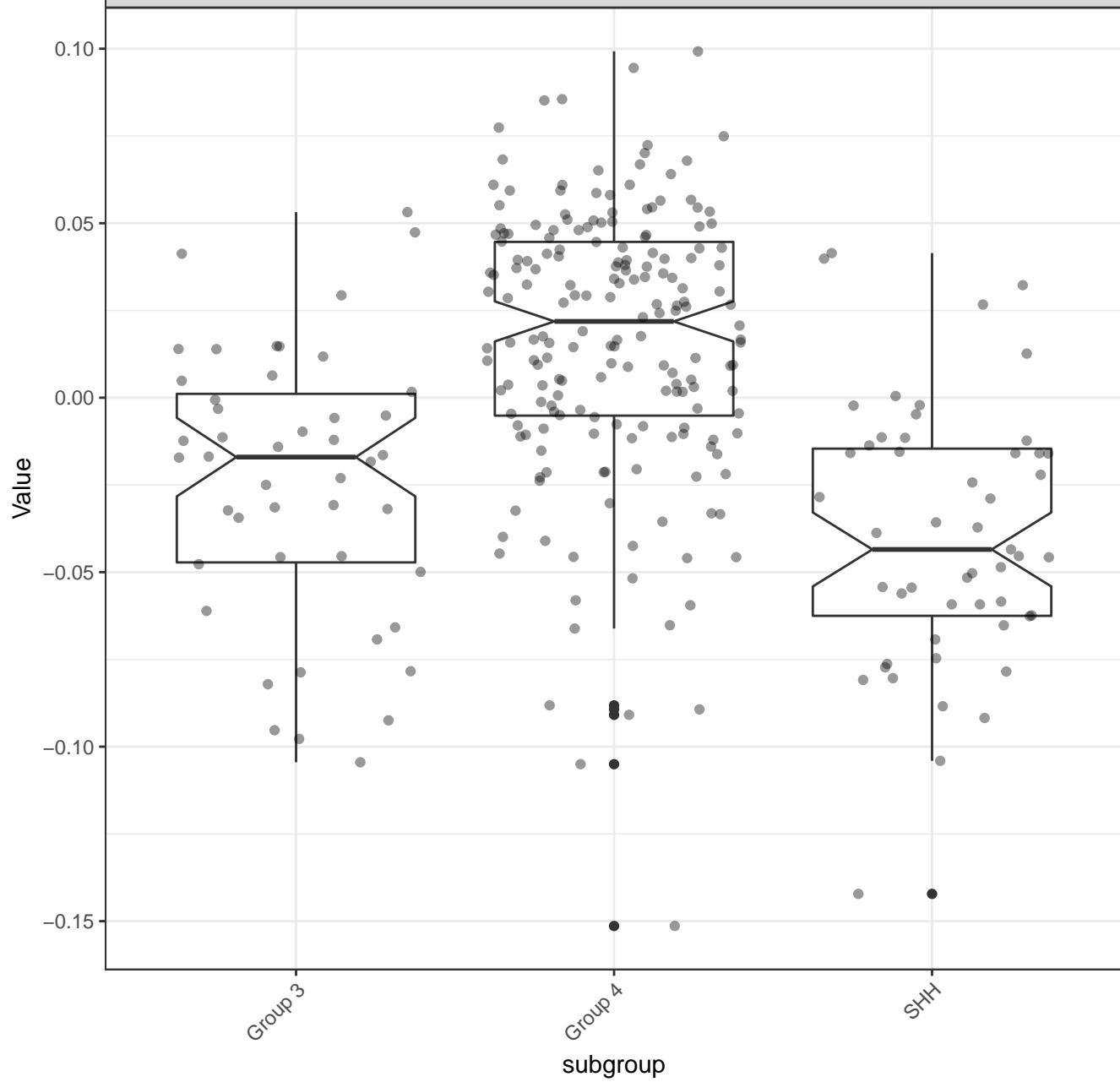


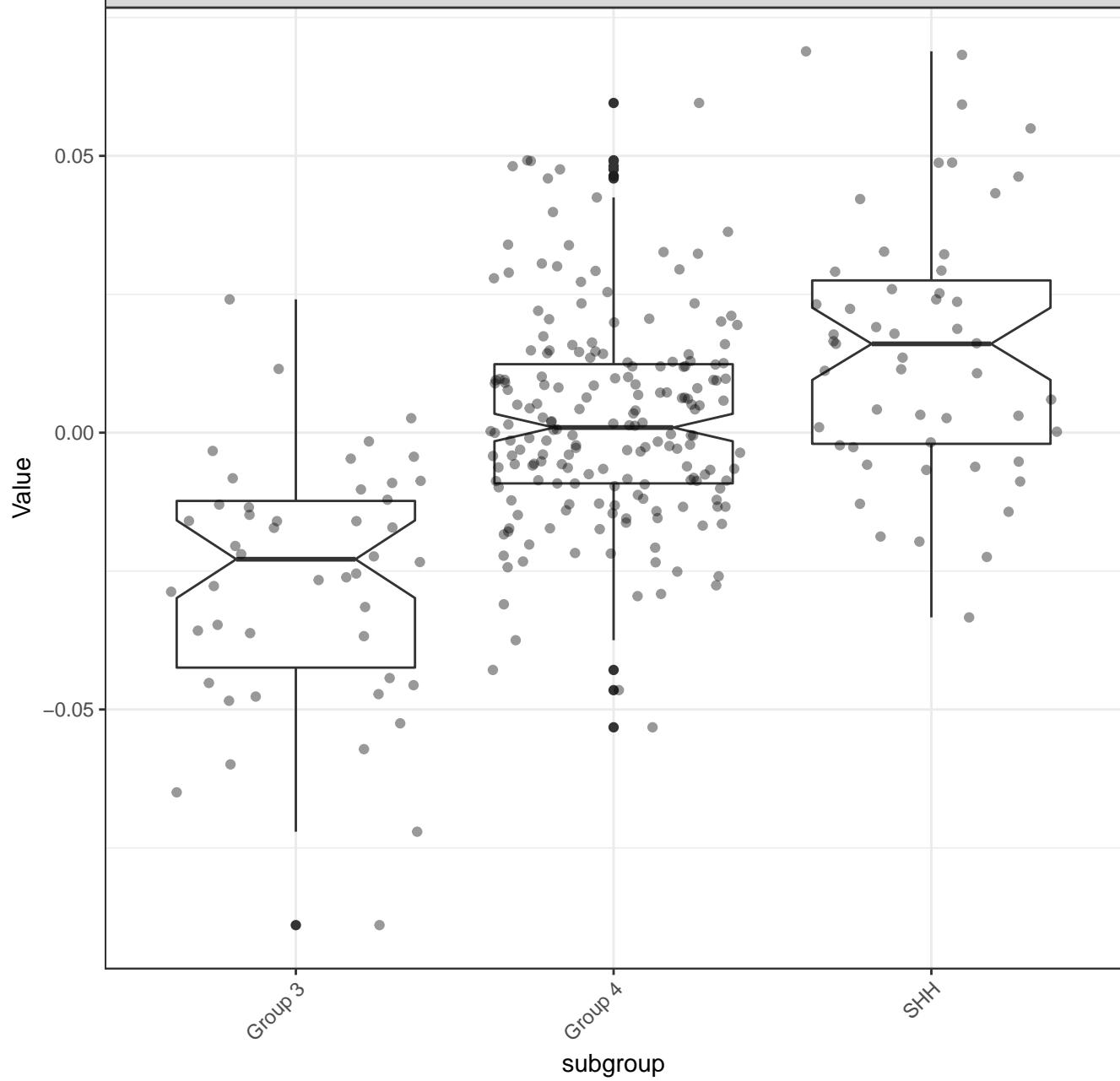
541,REACTOME_G1_PHASE





LV 543





LV 545

Value

0.05

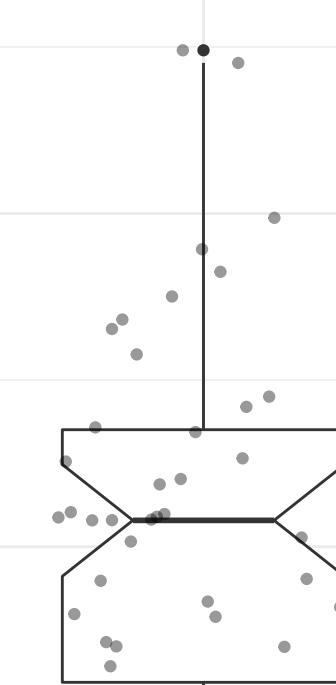
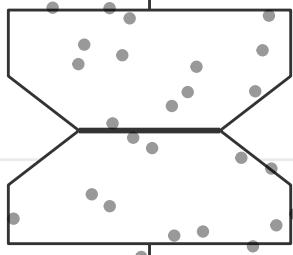
0.00

-0.05

Group 3

subgroup

SHH



LV 546

Value

0.3

0.2

0.1

0.0

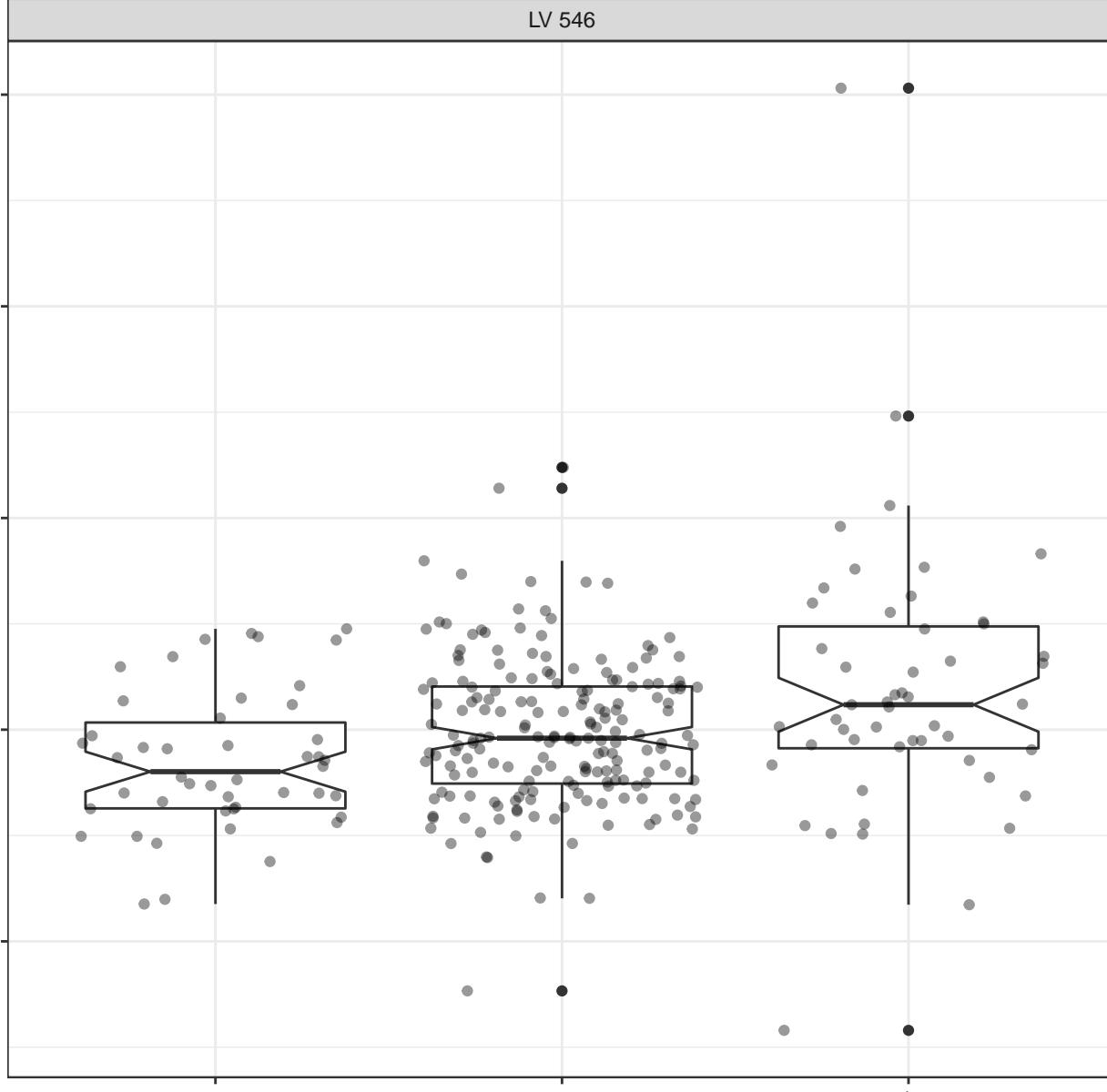
-0.1

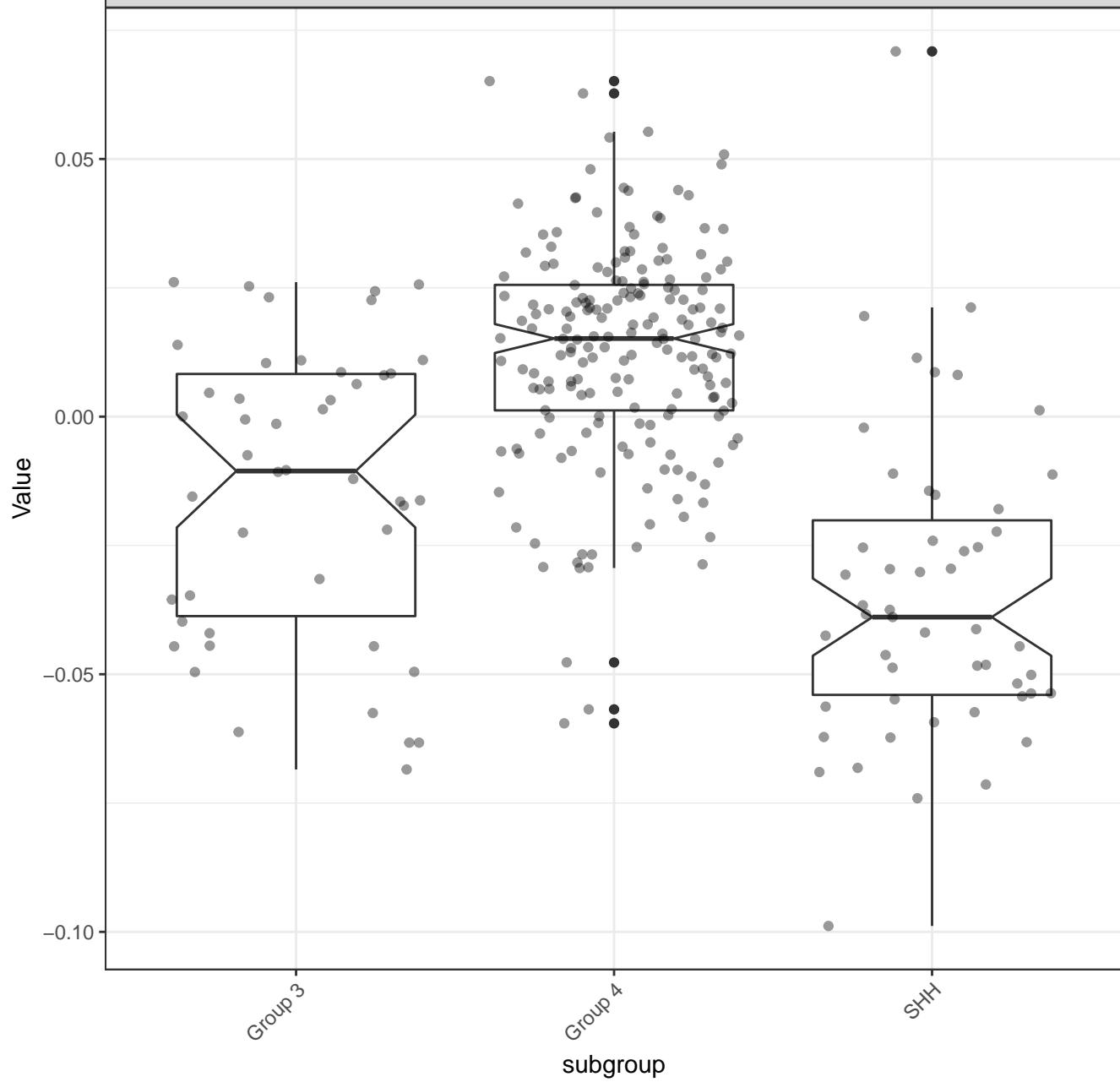
Group 3

Group 4

SHH

subgroup





LV 548

Value

0.10

0.05

0.00

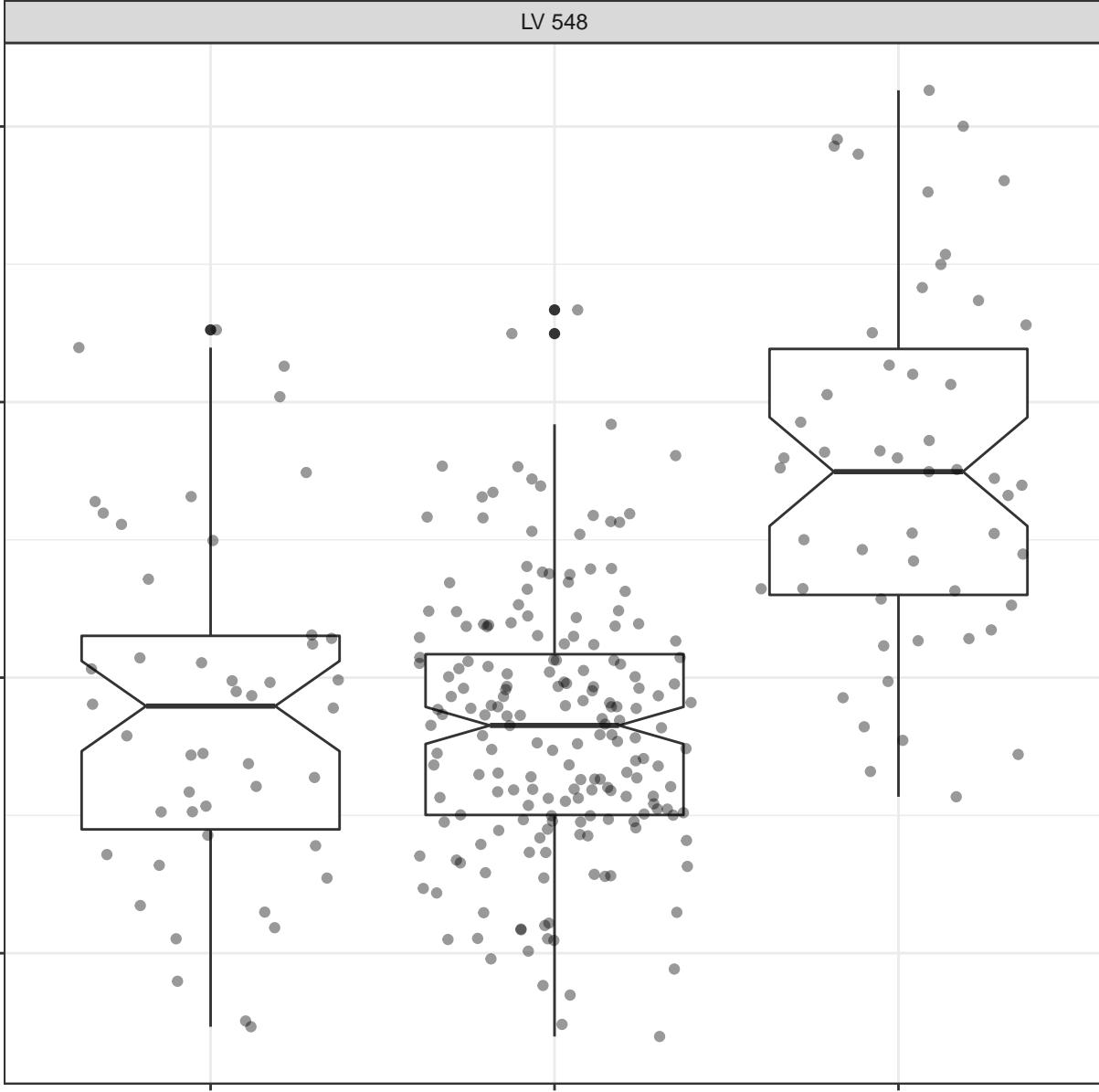
-0.05

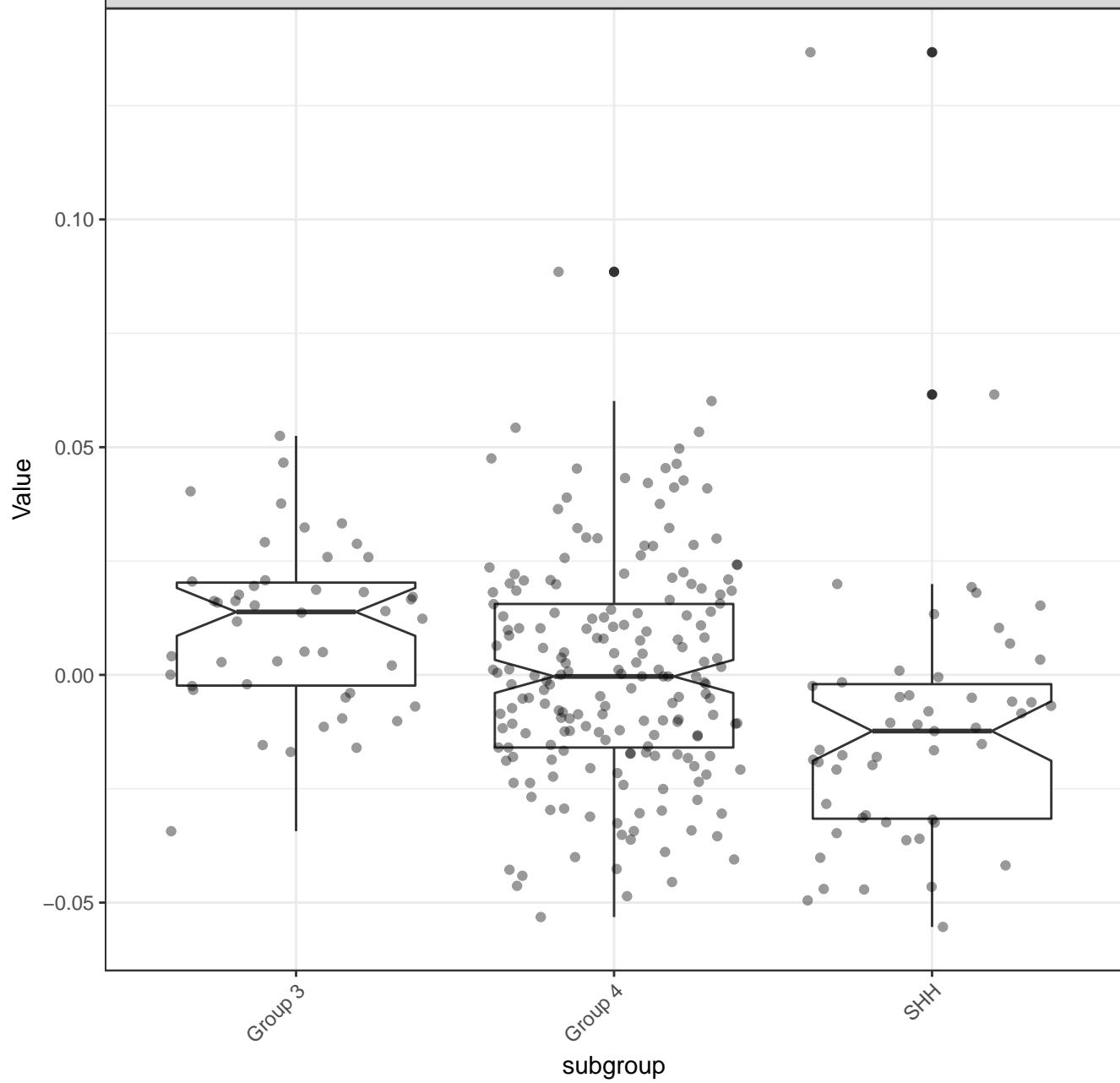
Group 3

subgroup

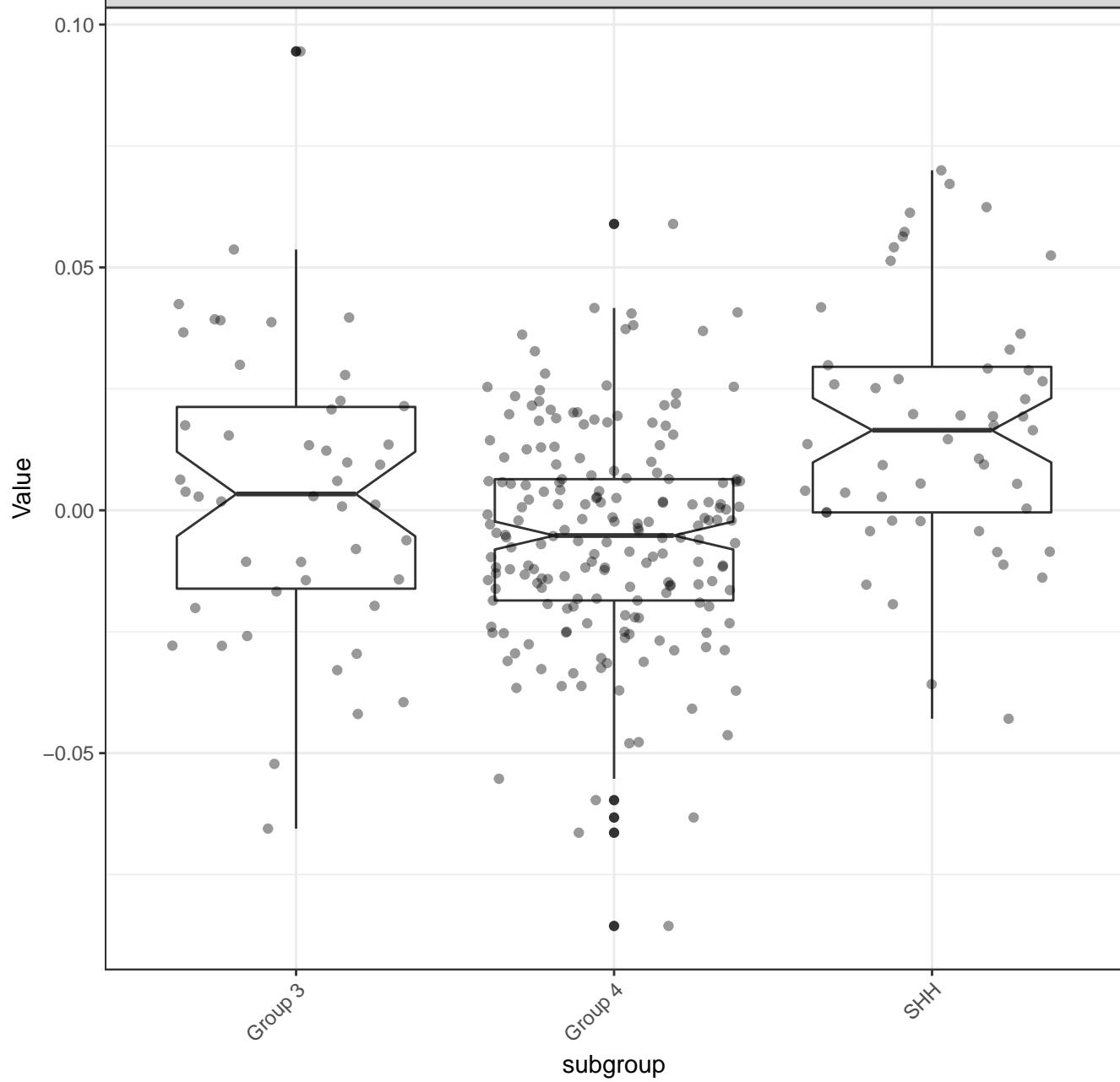
Group 4

SHH

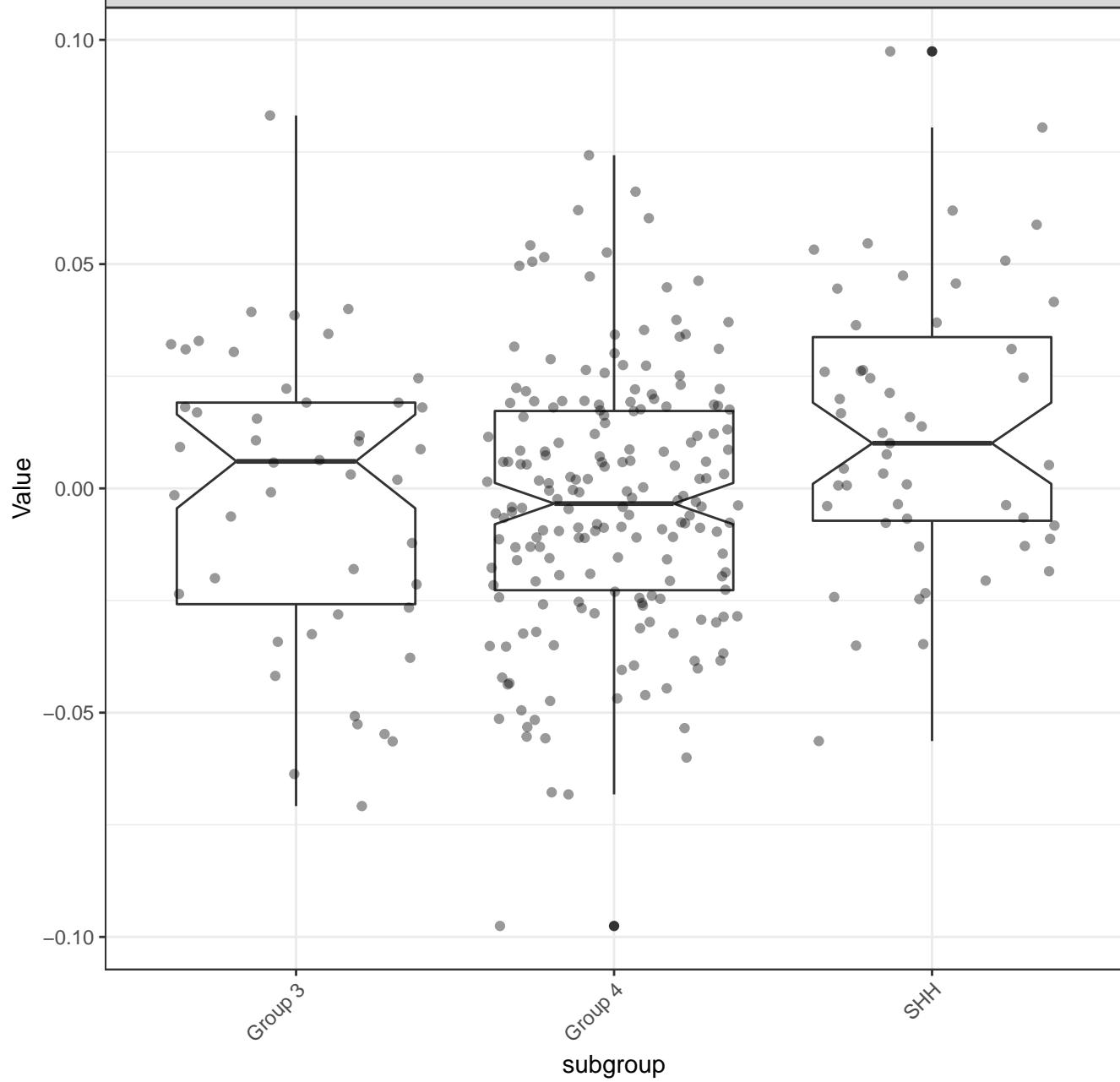




LV 550



LV 551



LV 552

Value

0.05

0.00

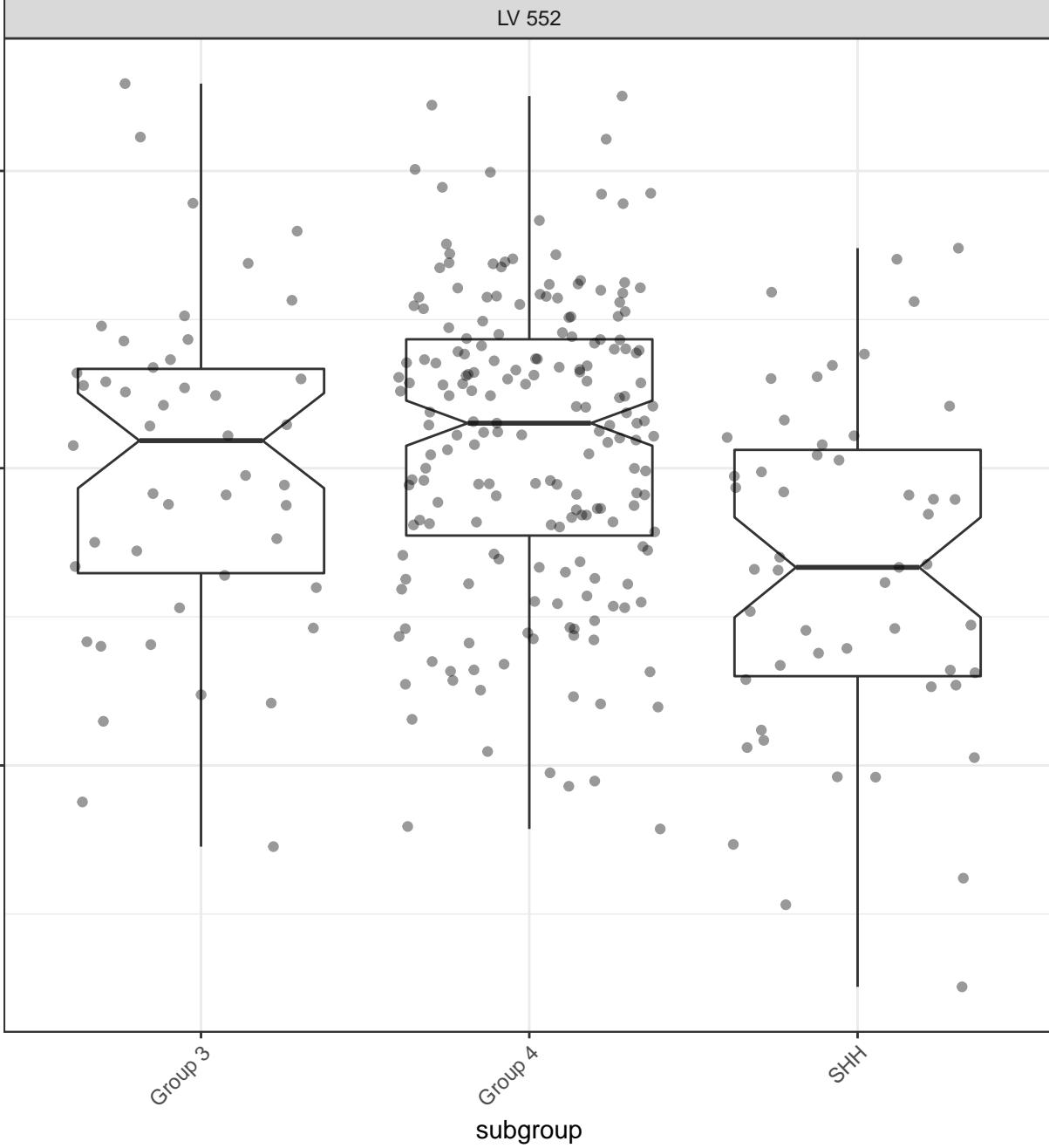
-0.05

Group 3

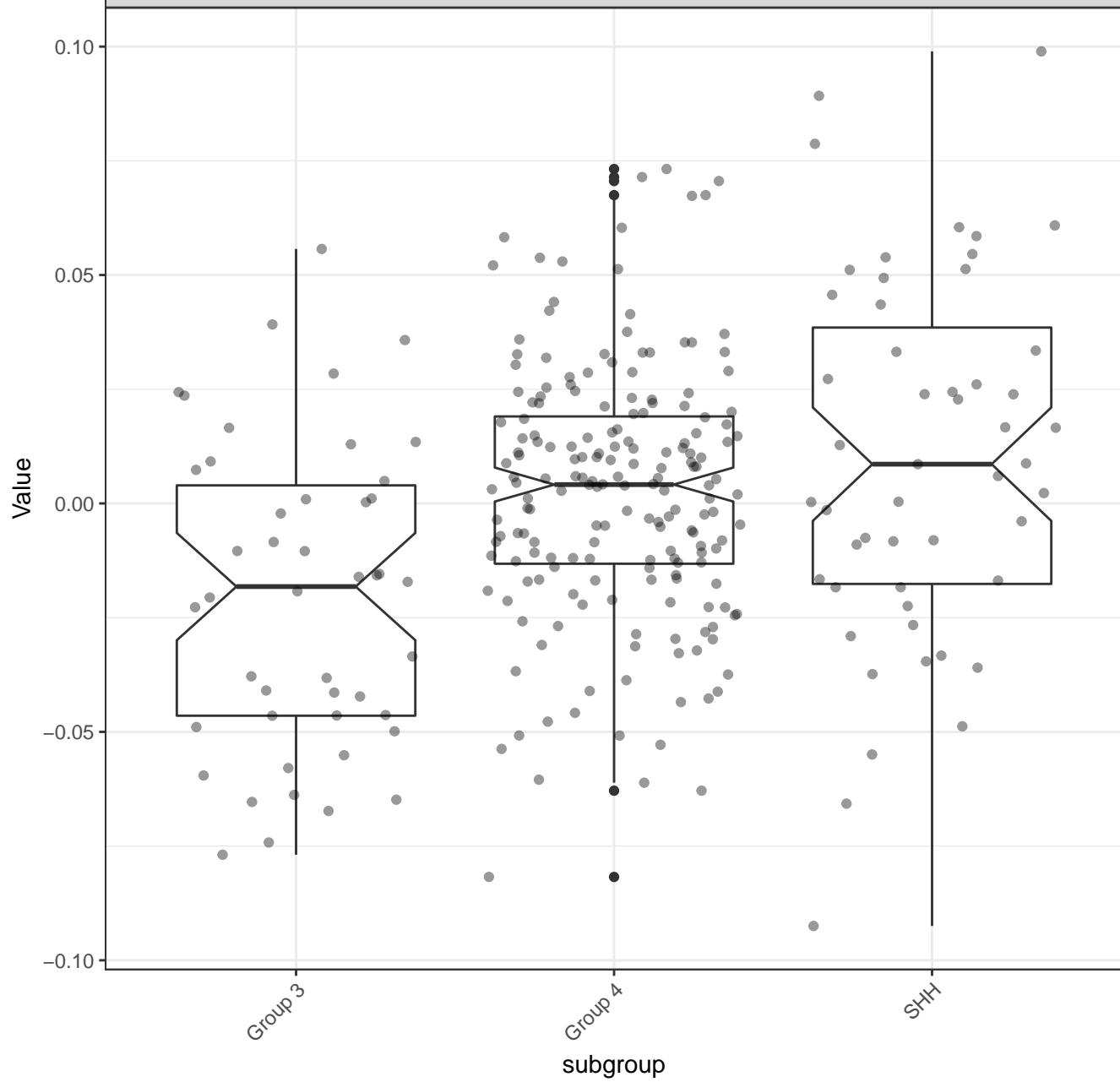
Group 4

SHH

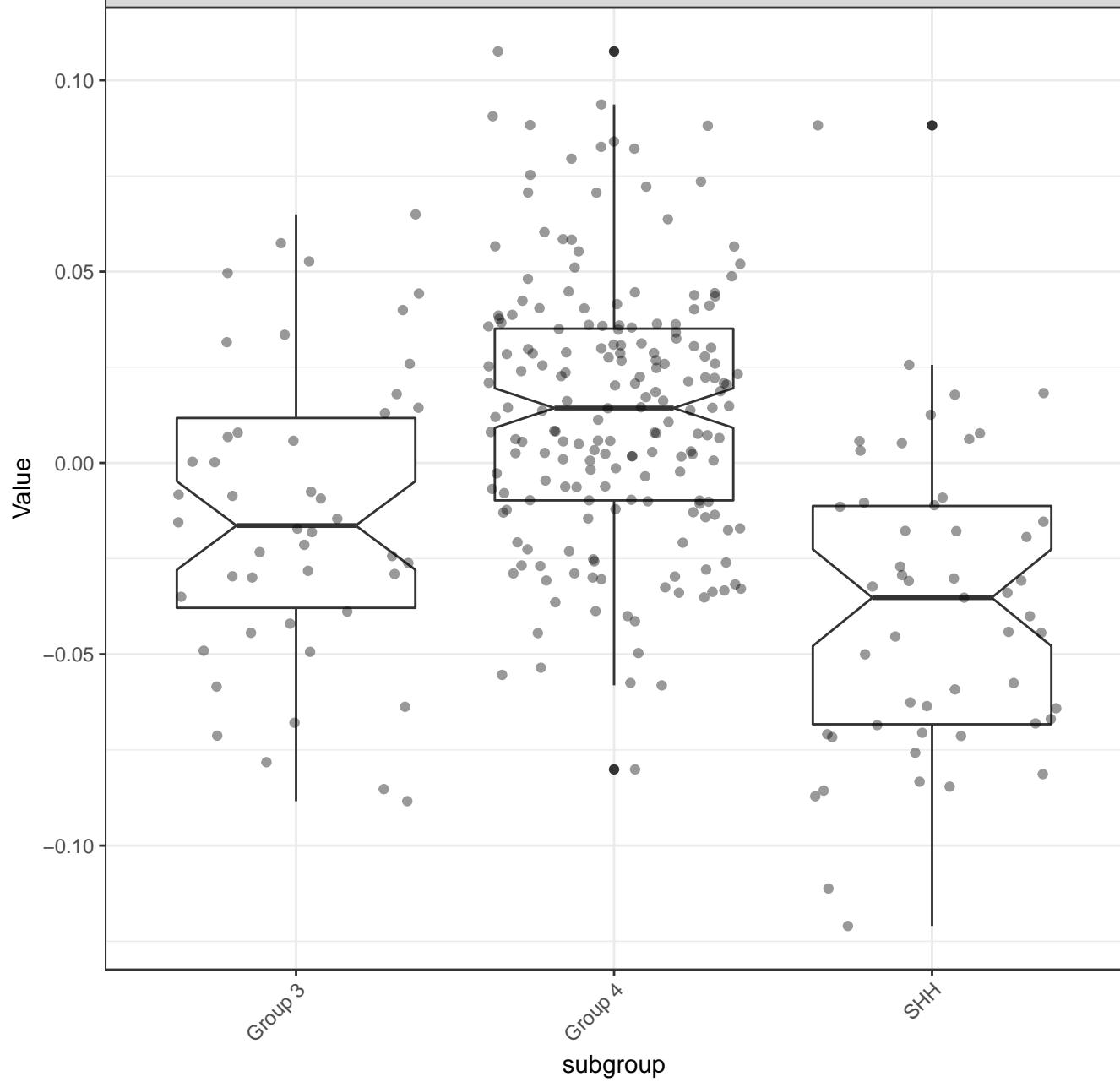
subgroup



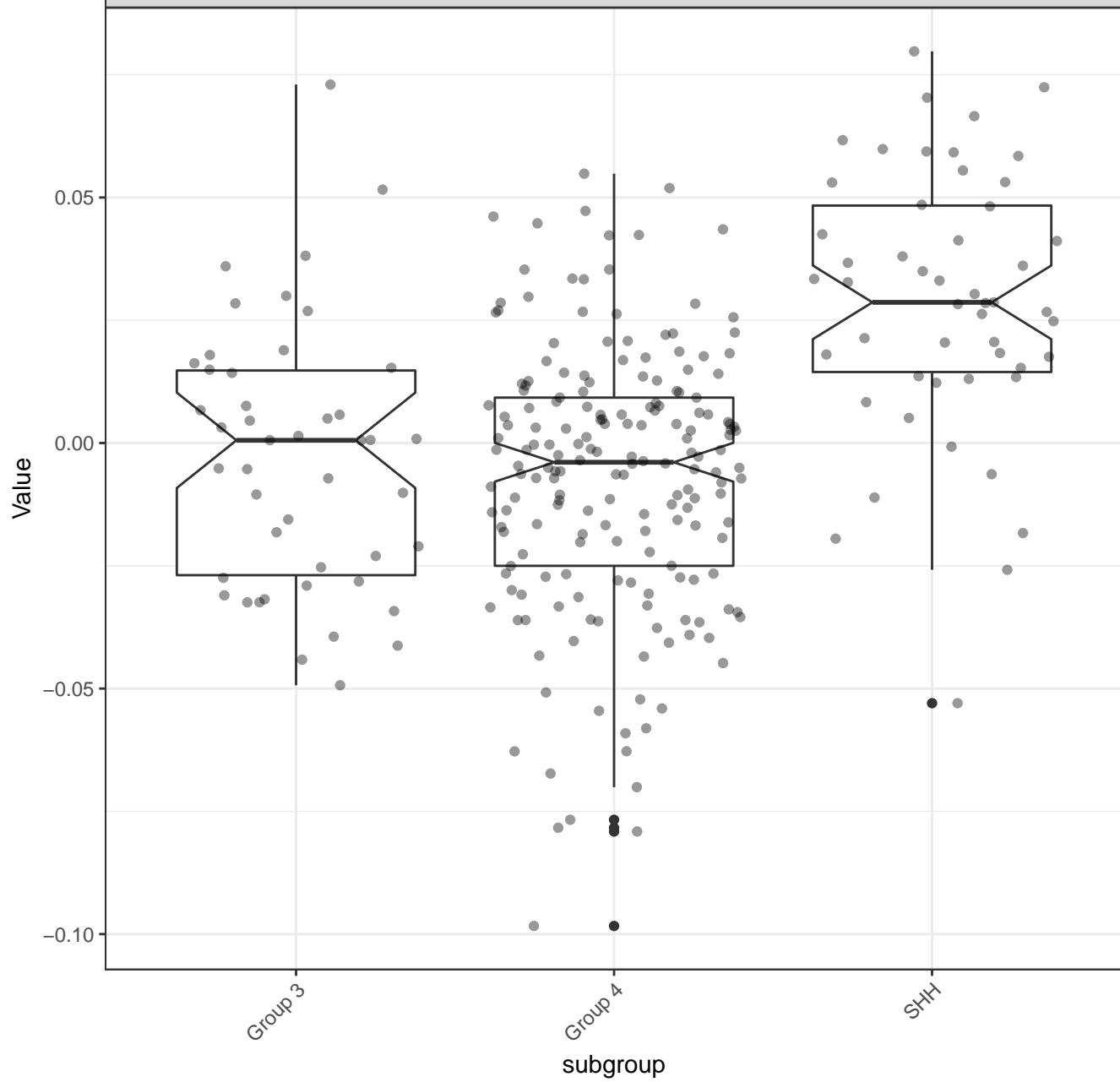
LV 553



LV 554



LV 555



Value

0.10

0.05

0.00

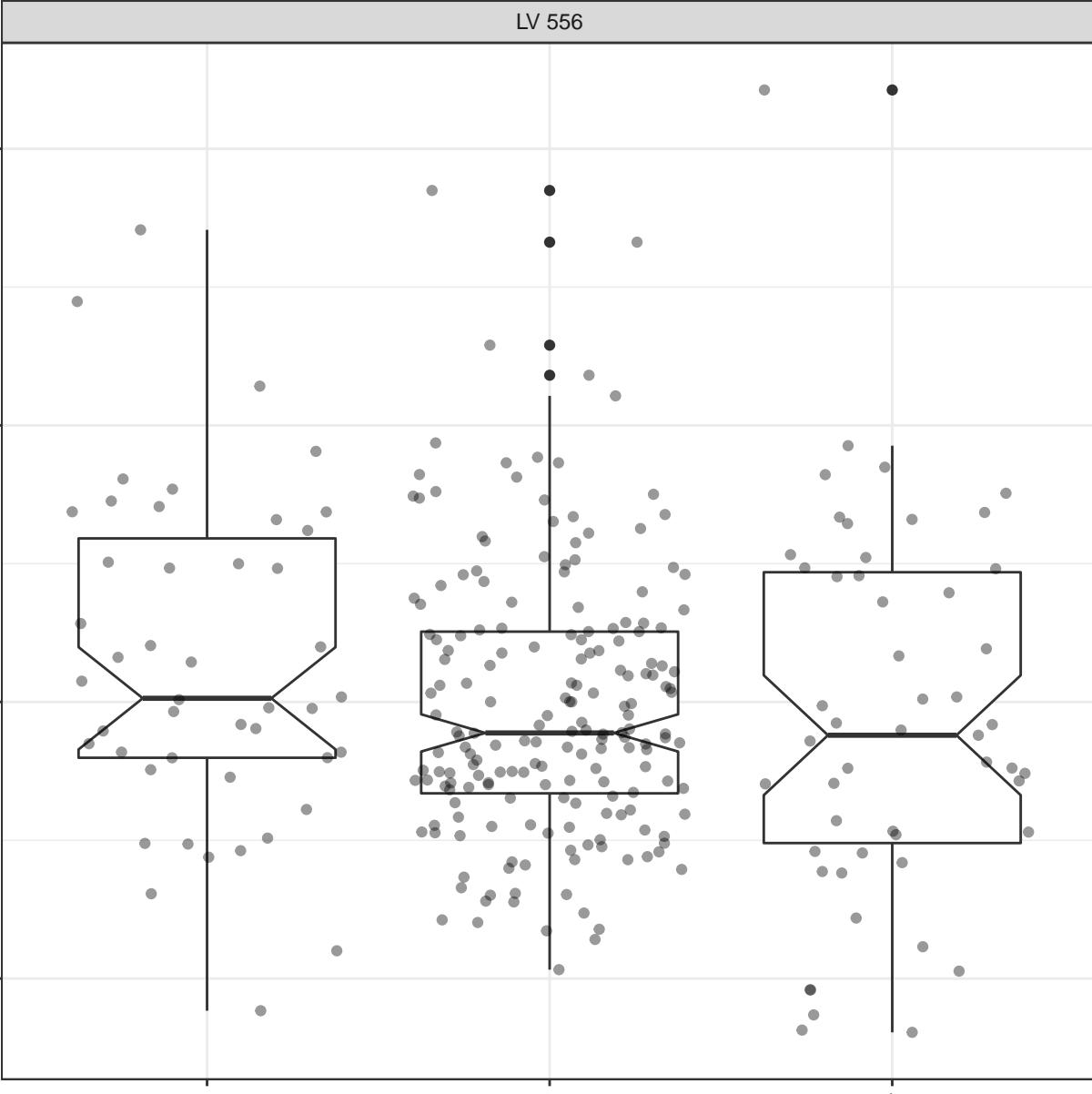
-0.05

Group 3

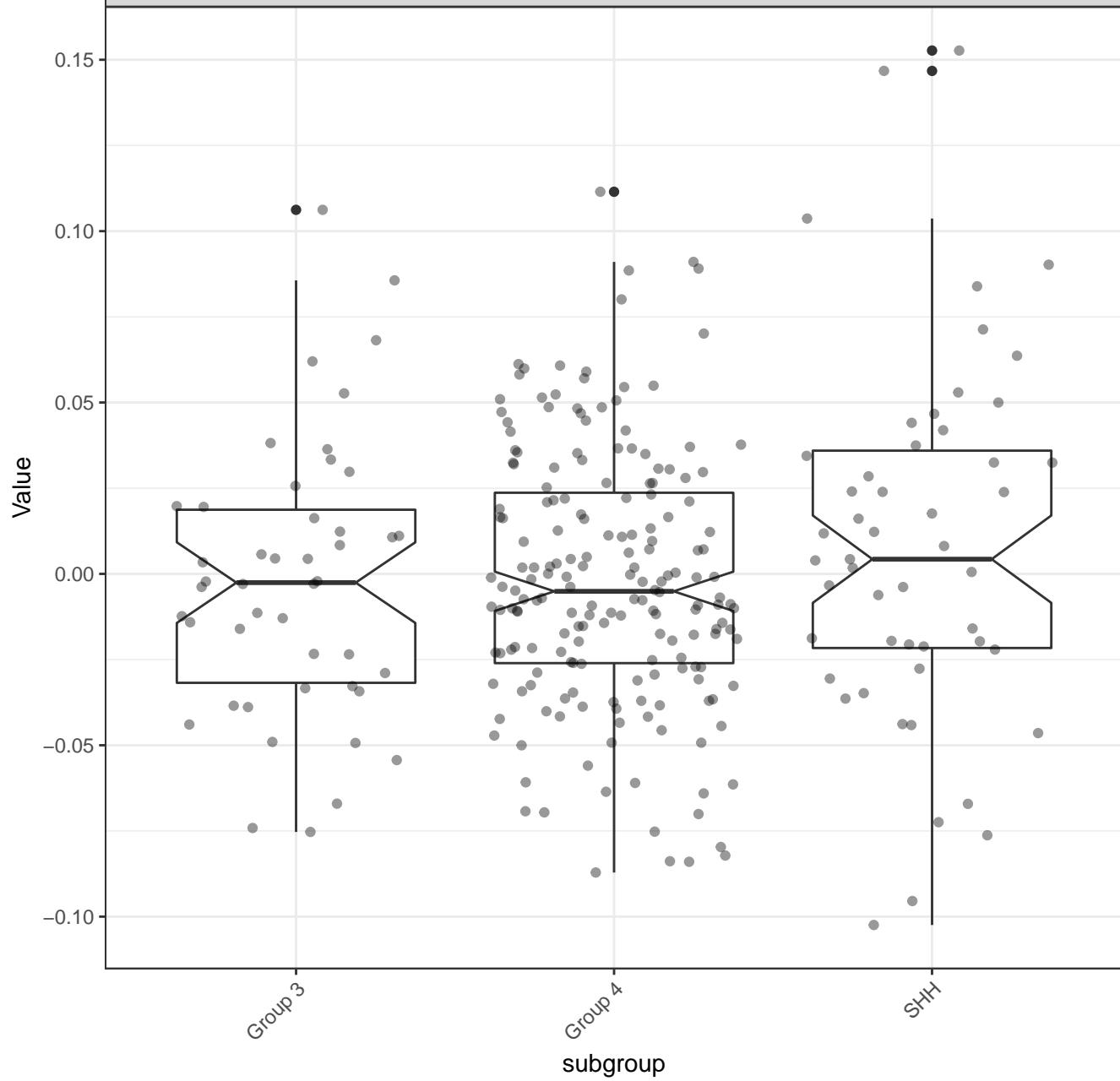
subgroup

Group 4

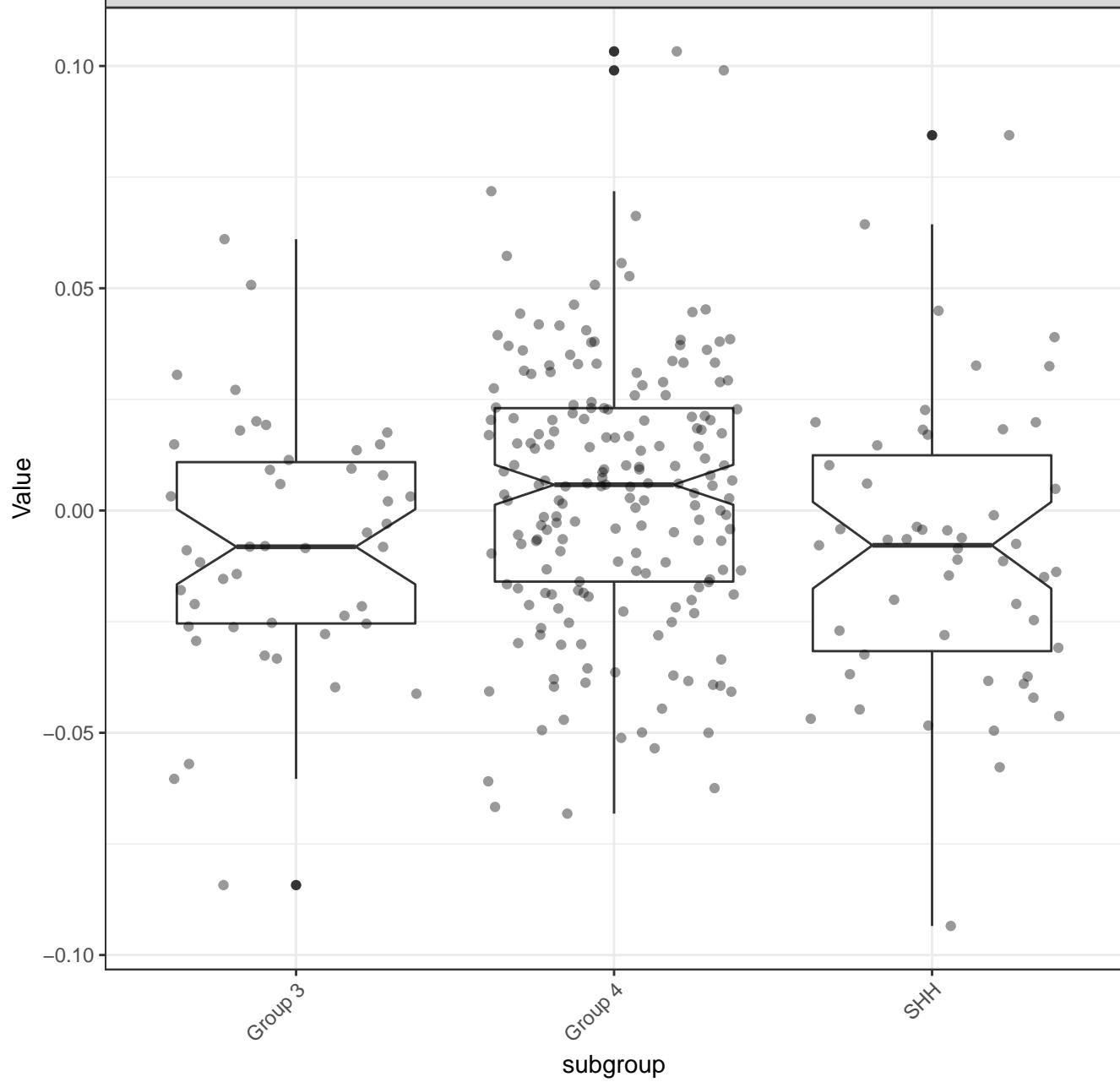
SHH

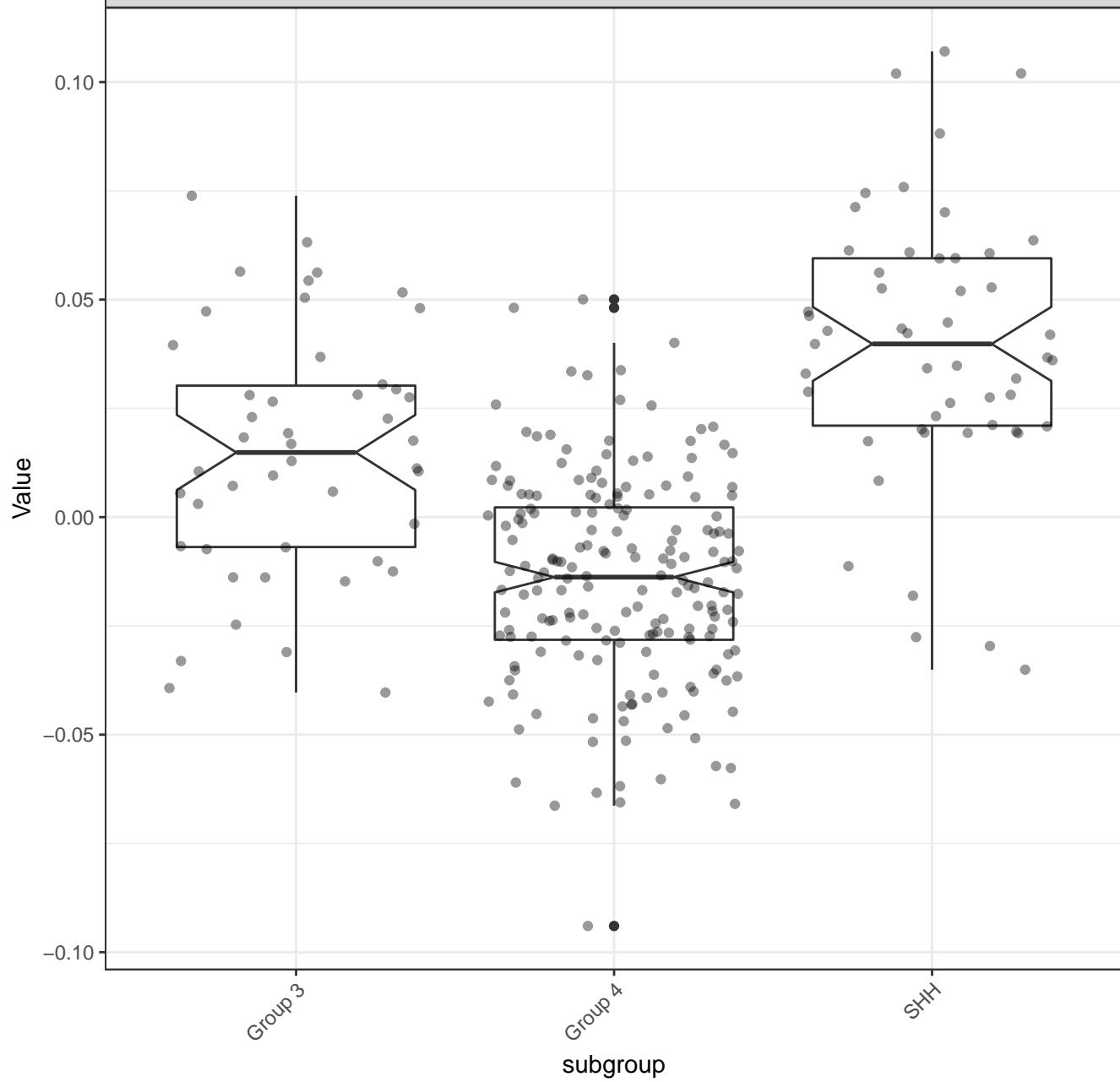


557,SVM Dendritic cells resting

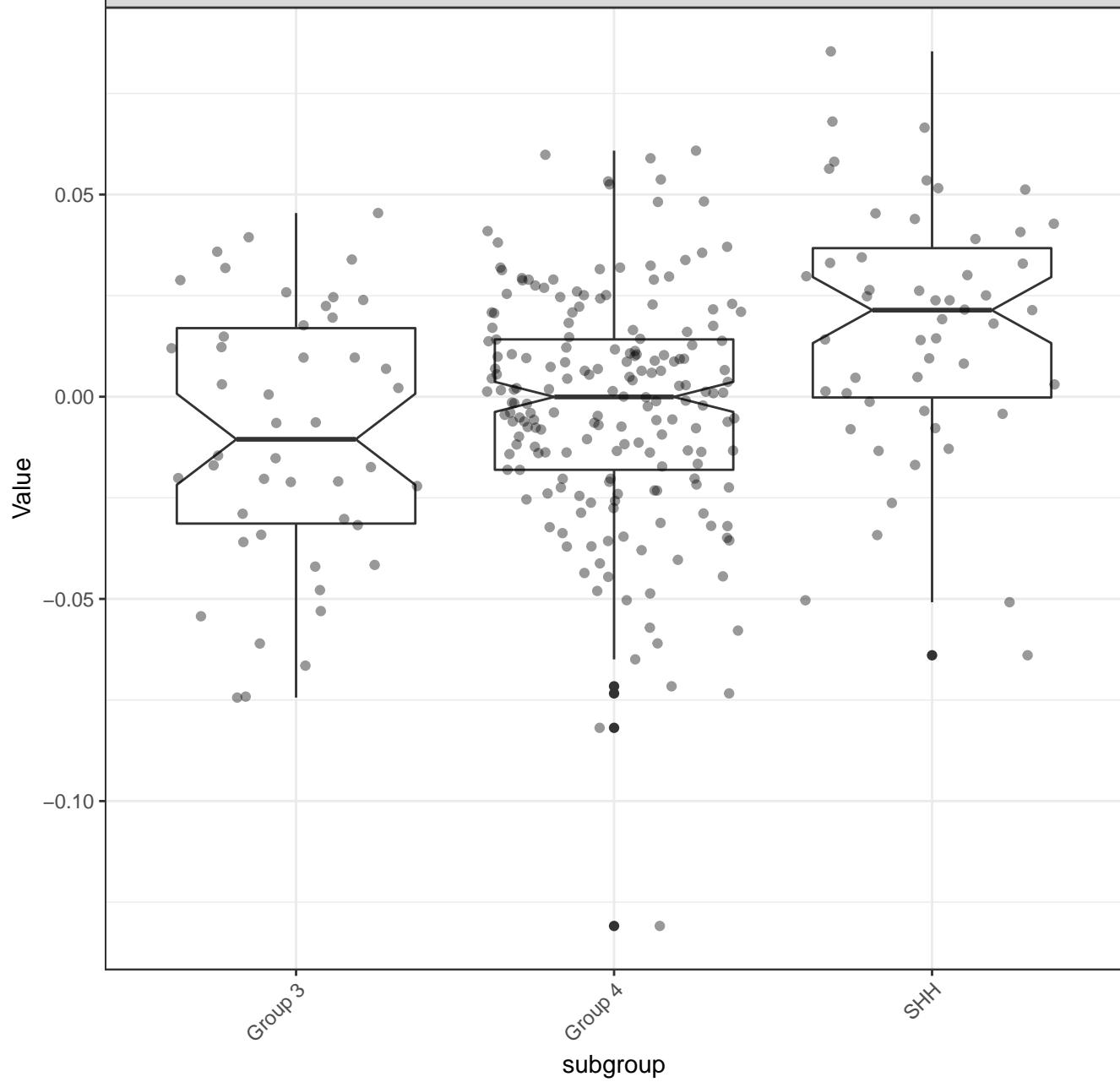


LV 558





LV 560



LV 561

Value

0.10

0.05

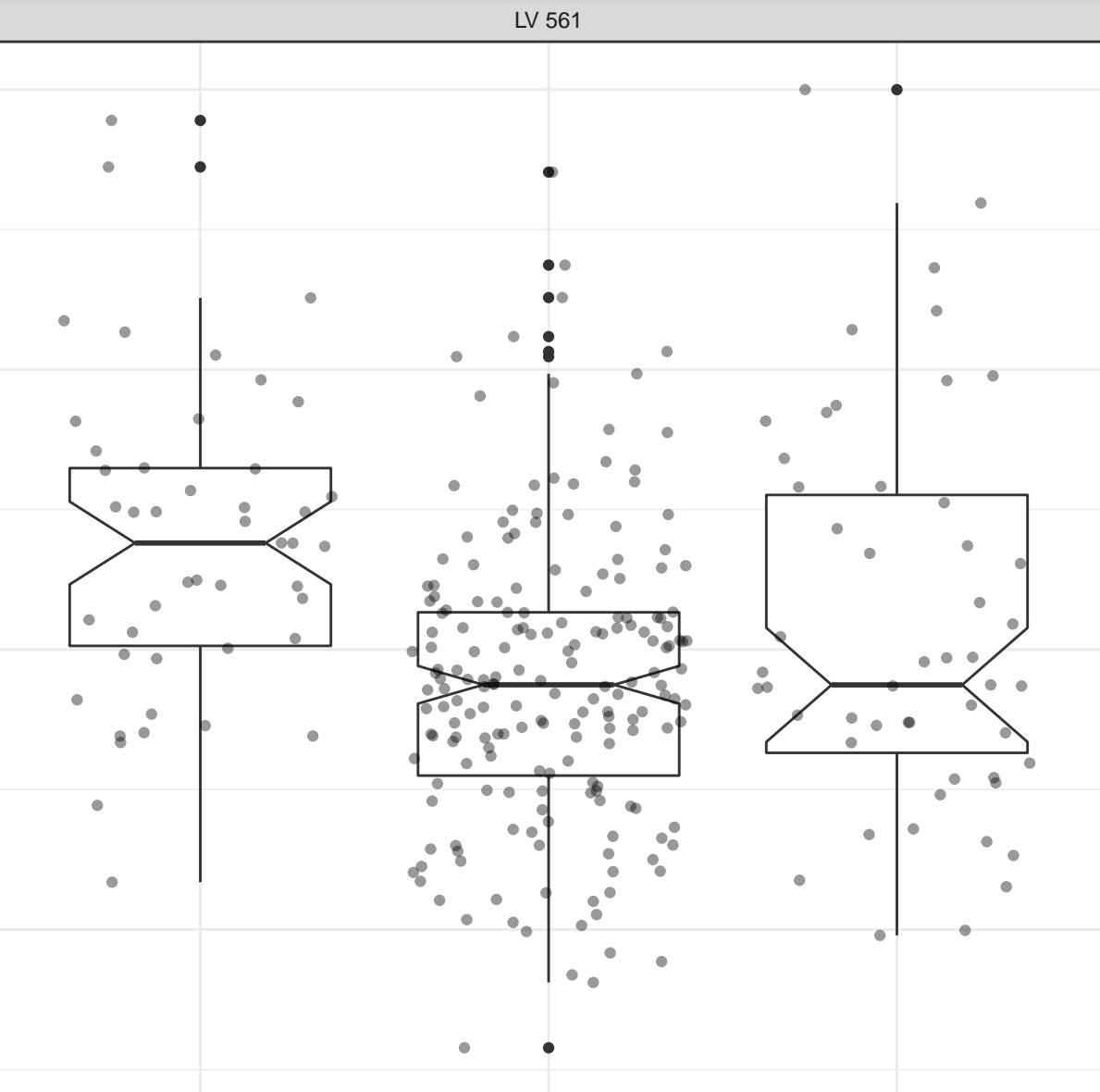
0.00

-0.05

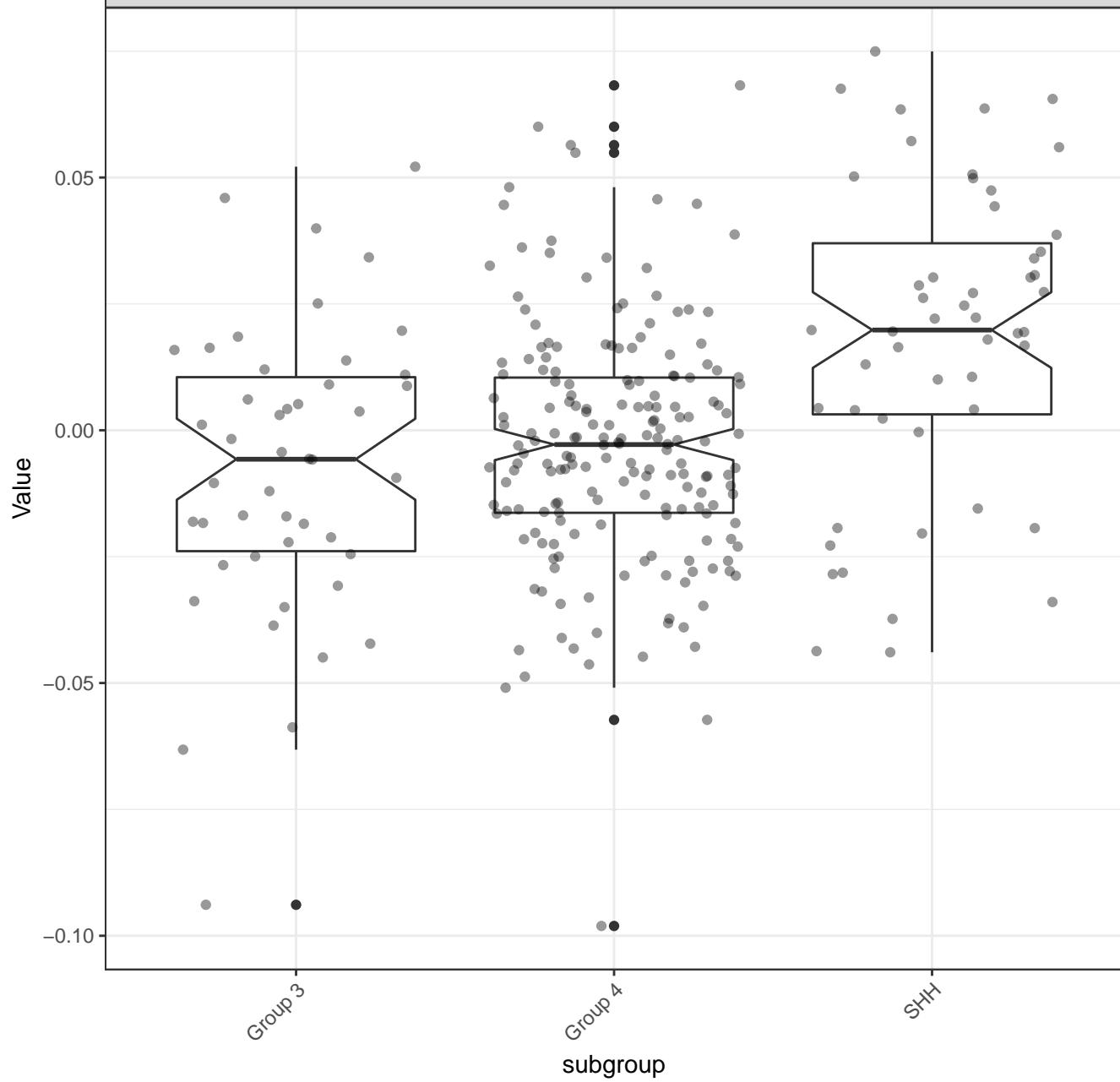
Group 3

subgroup

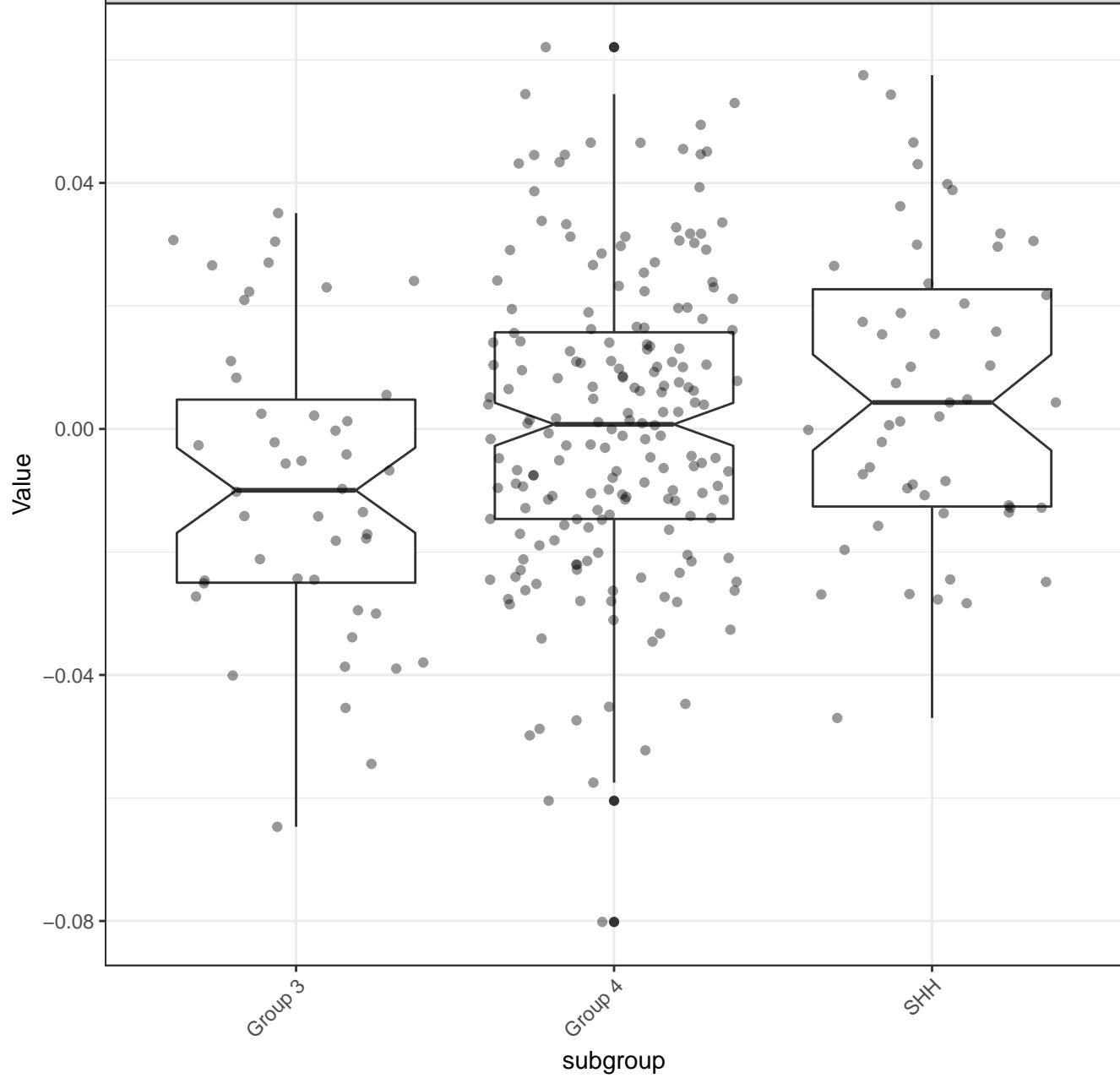
SHH



LV 562



LV 563



LV 564

Value

0.2

0.1

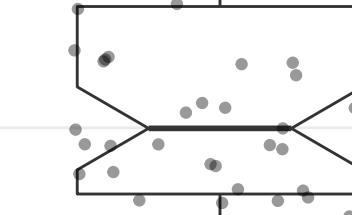
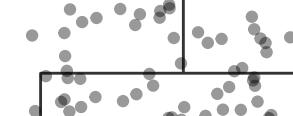
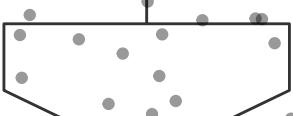
0.0

-0.1

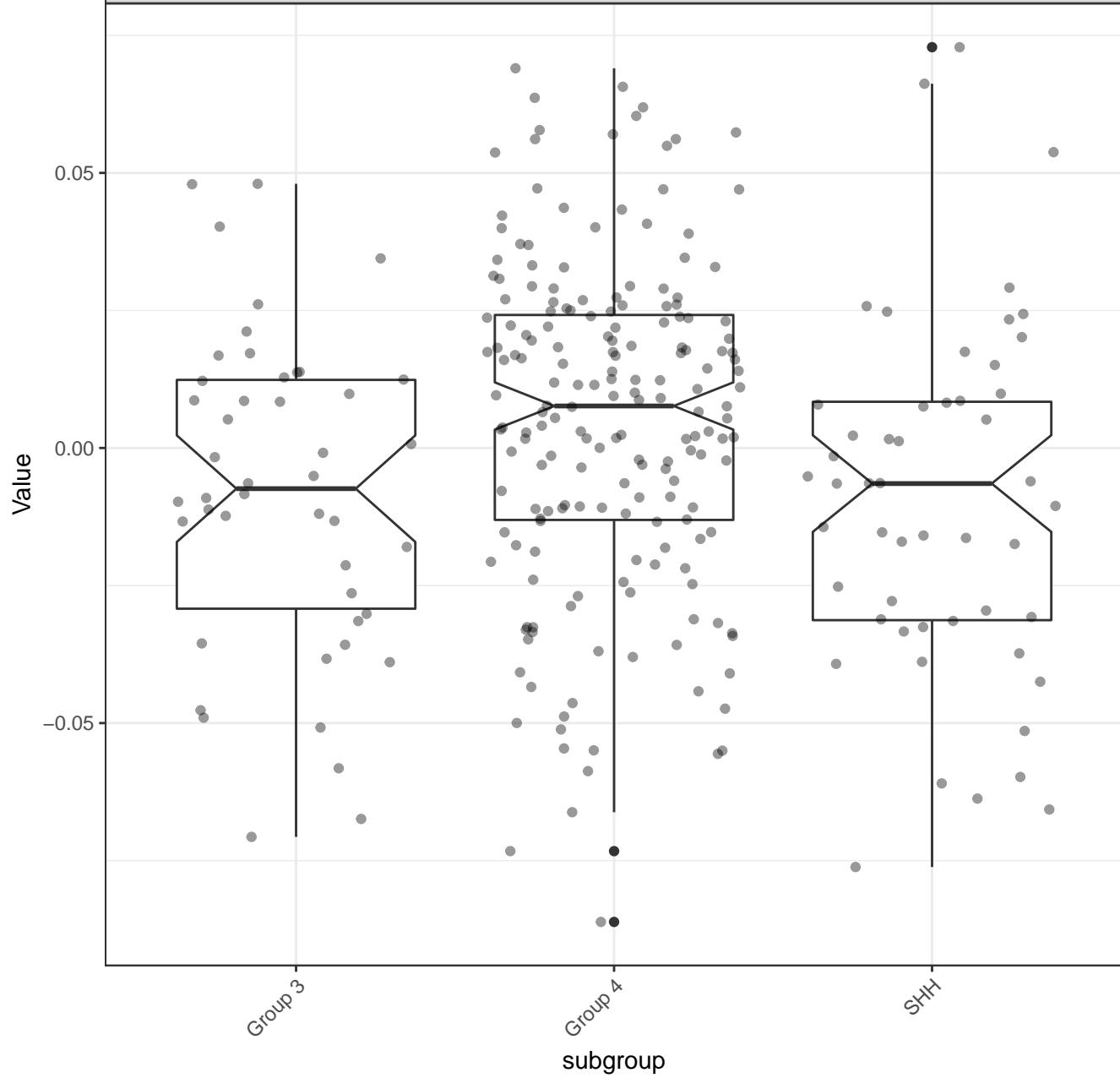
Group³Group⁴

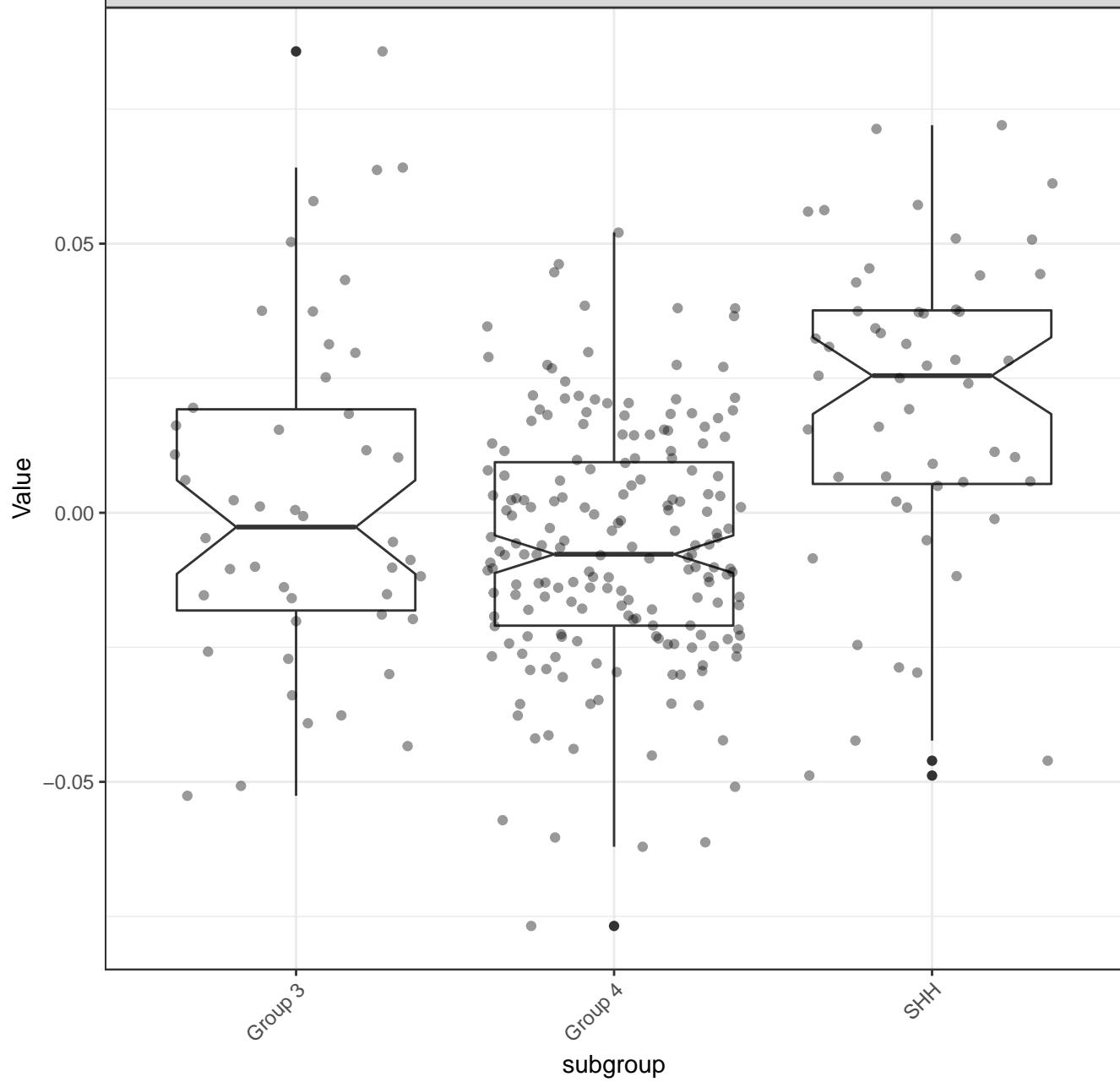
SHH

subgroup



LV 565





LV 567

Vvalue

0.08

0.04

0.00

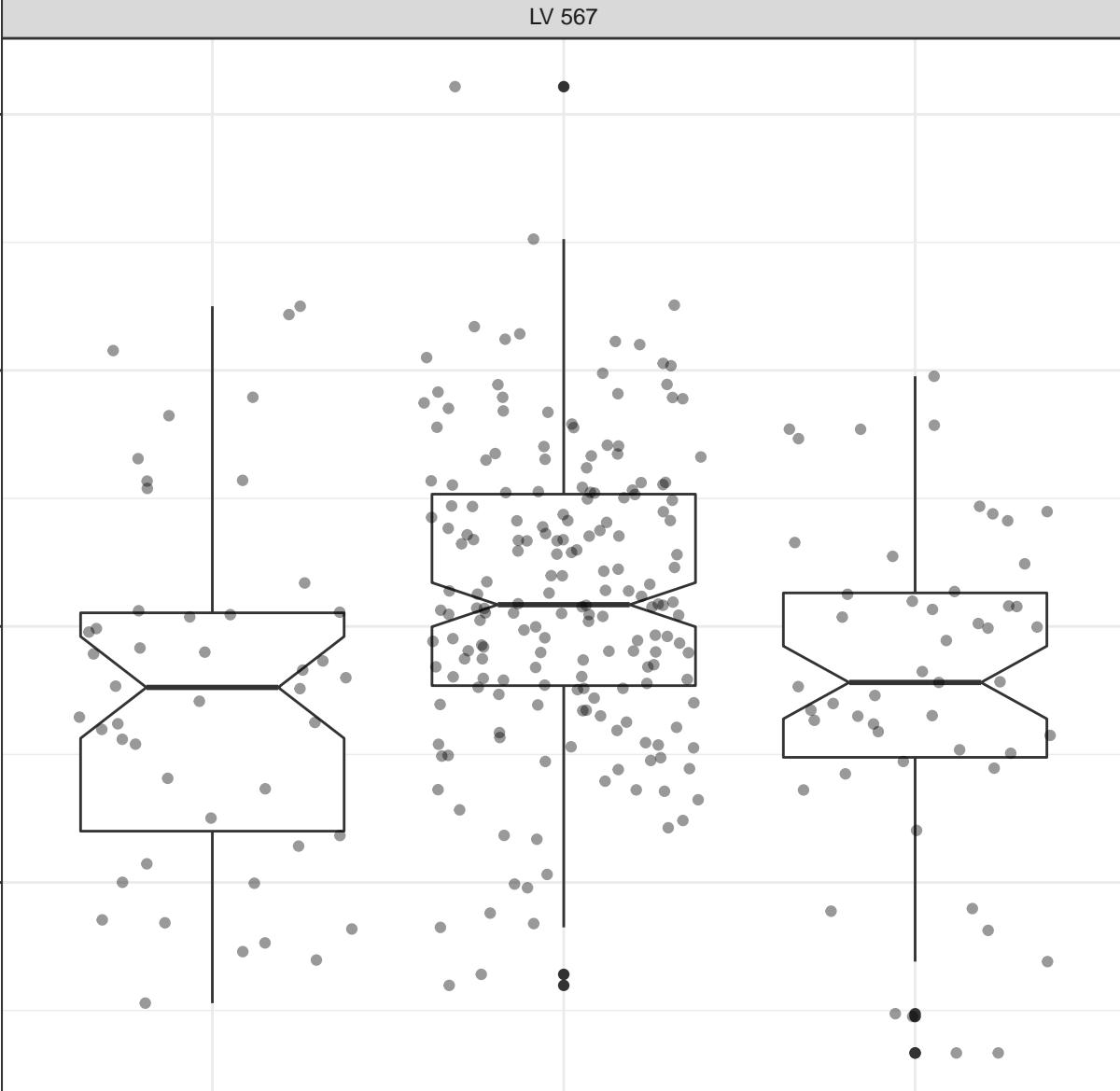
-0.04

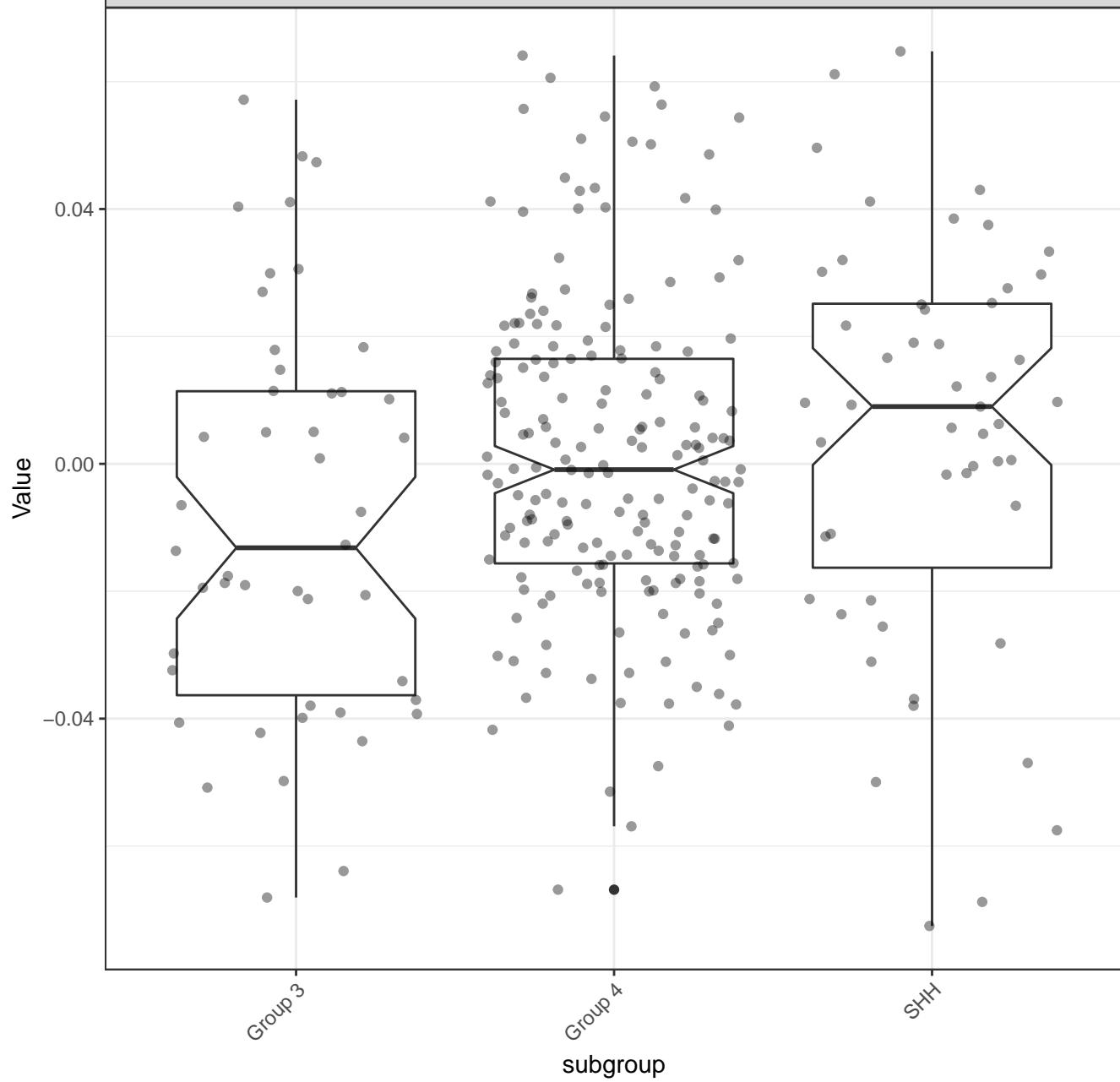
Group 3

Group 4

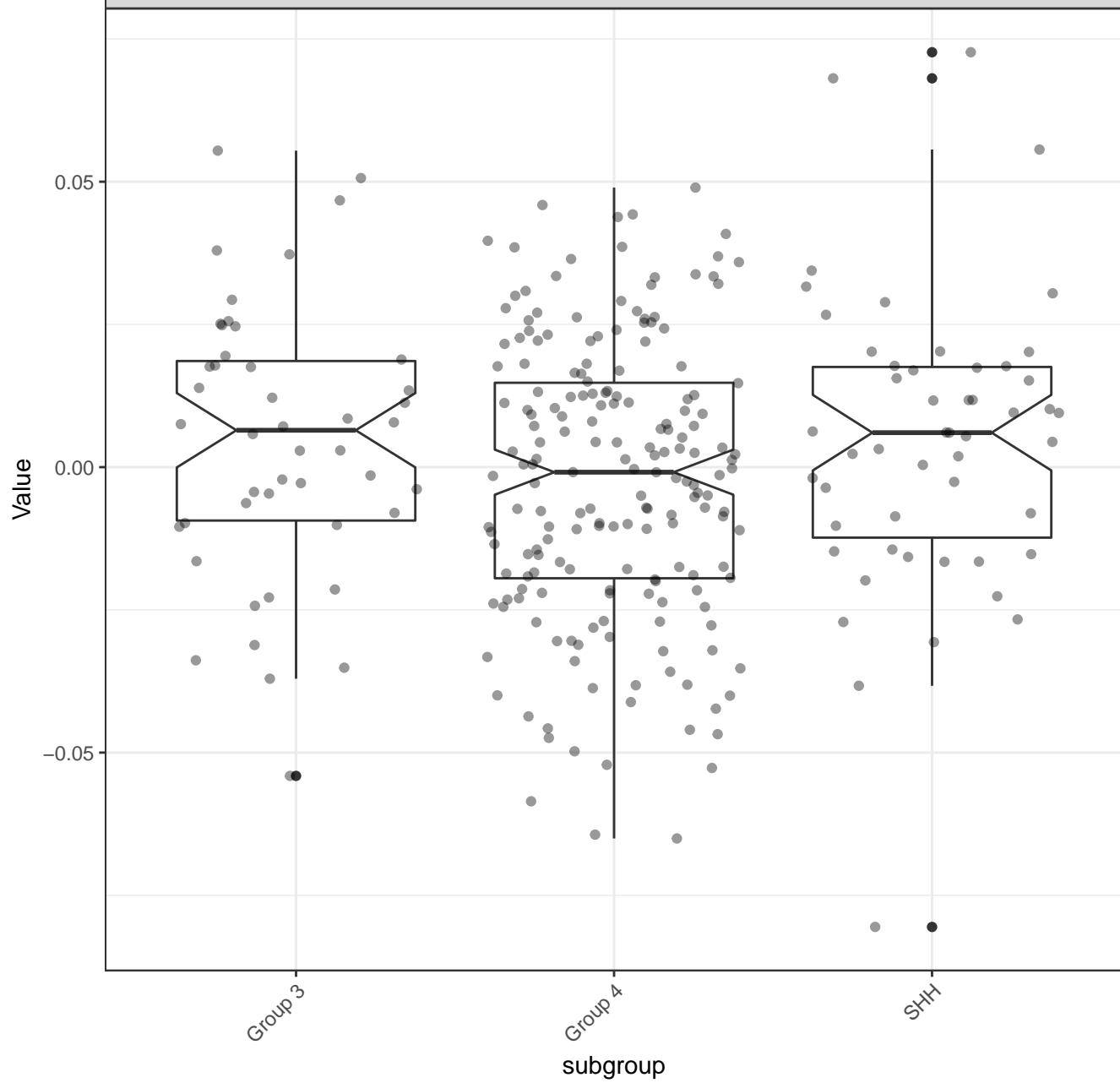
SHH

subgroup

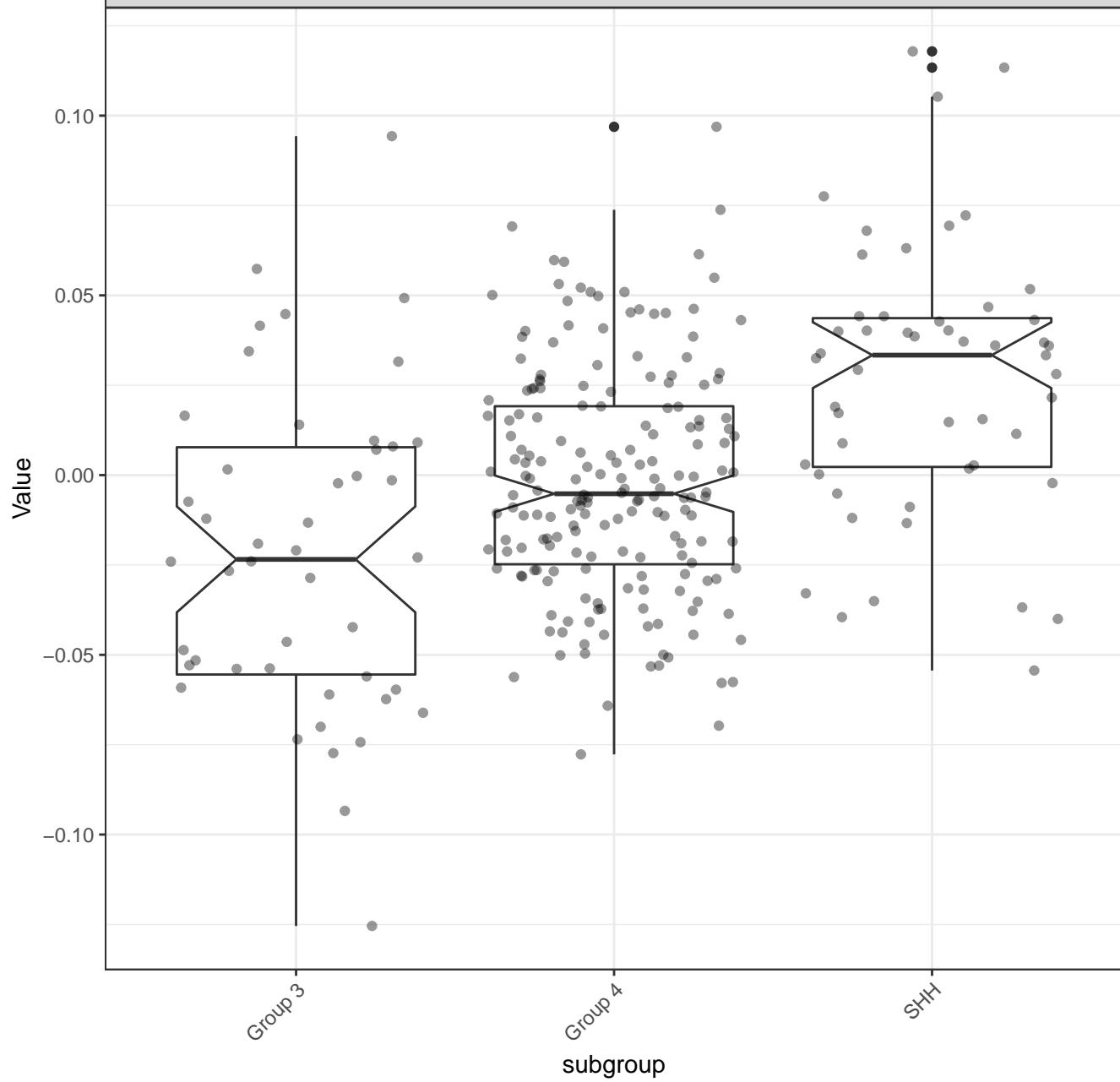




LV 569



LV 570



Value

0.10

0.05

0.00

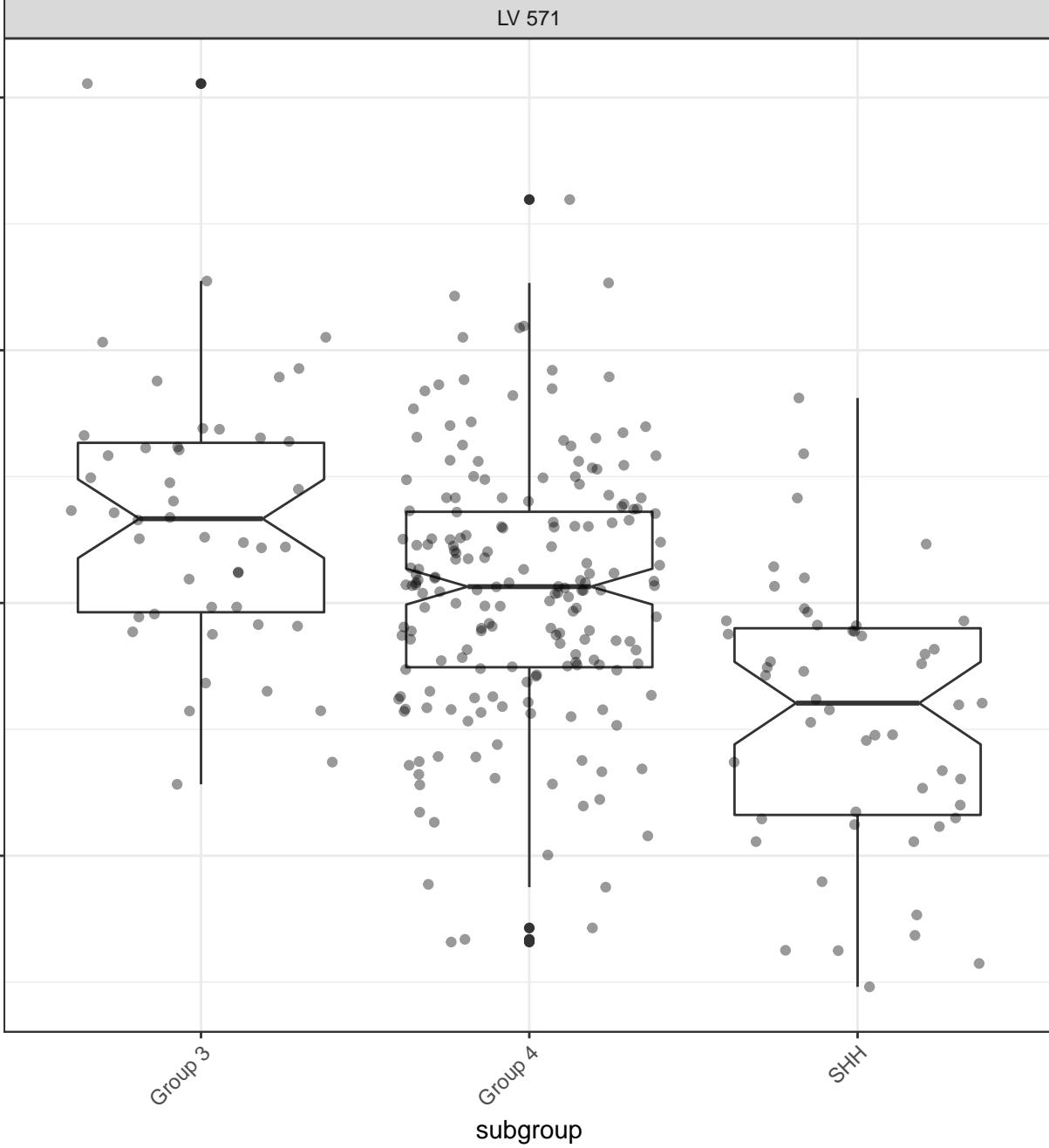
-0.05

Group 3

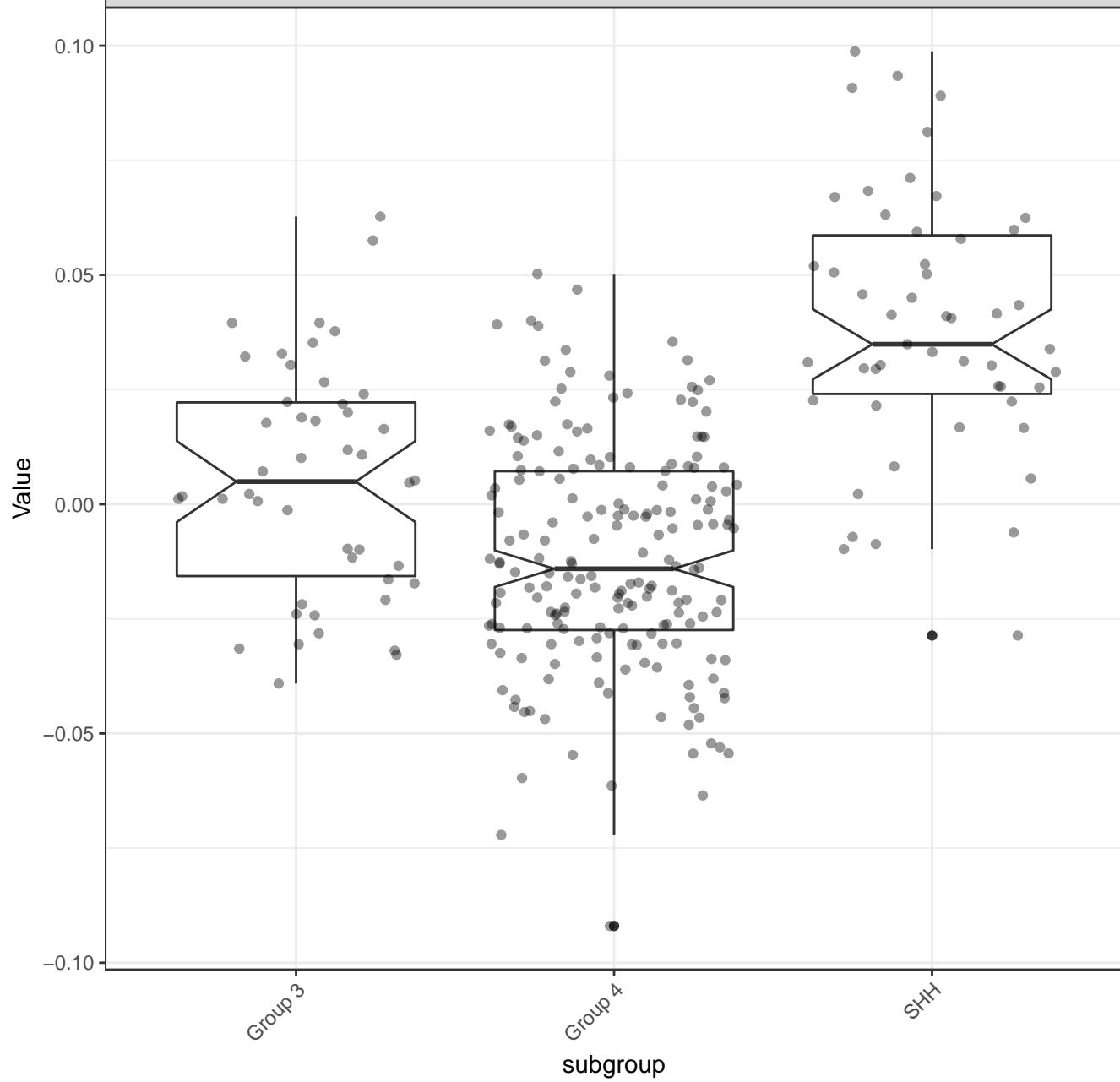
Group 4

SHH

subgroup



LV 572



Value

0.05

0.00

-0.05

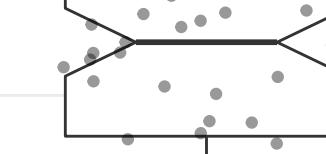
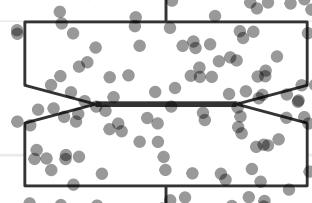
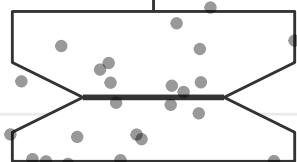
-0.10

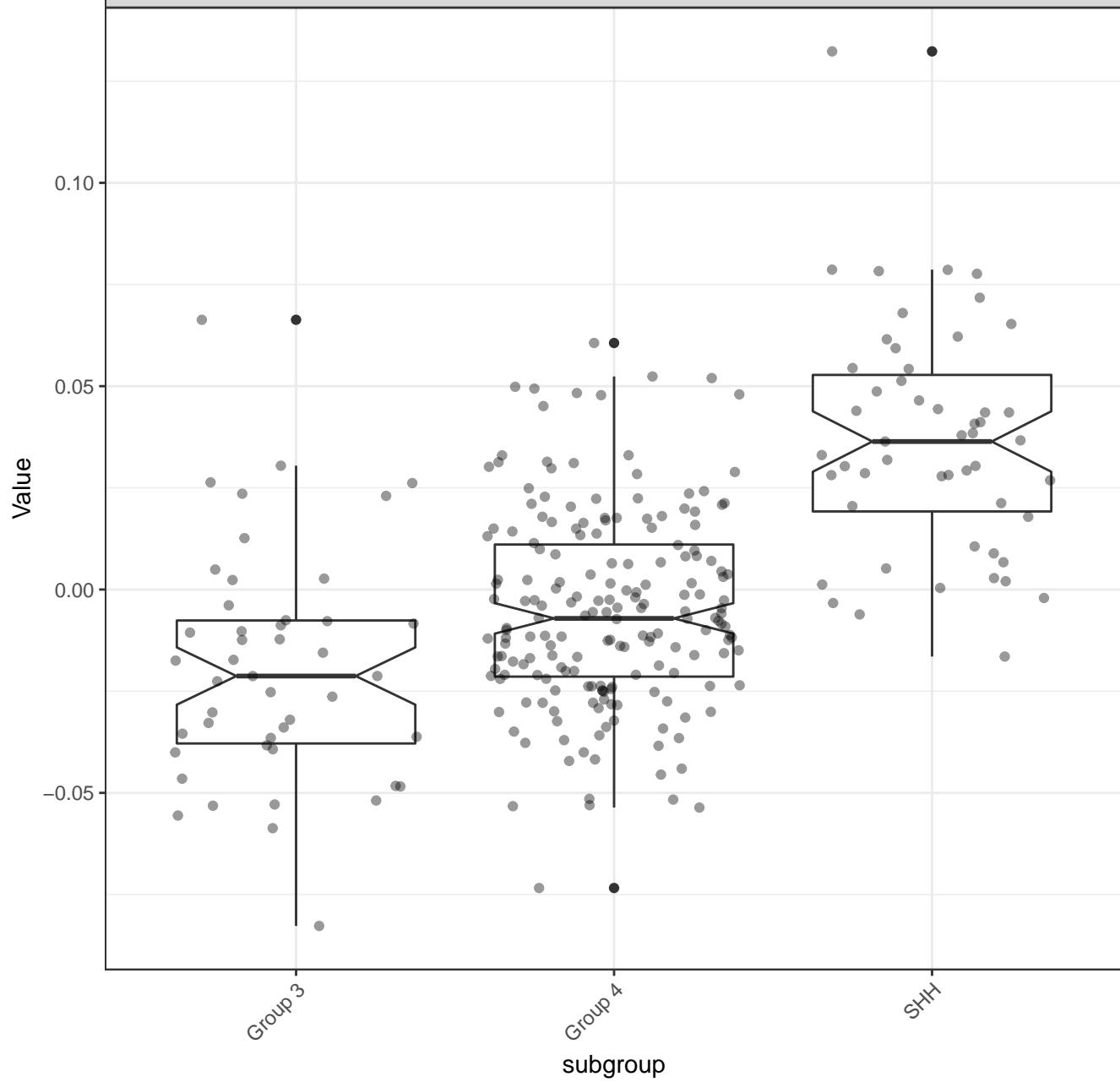
Group 3

Group 4

SHH

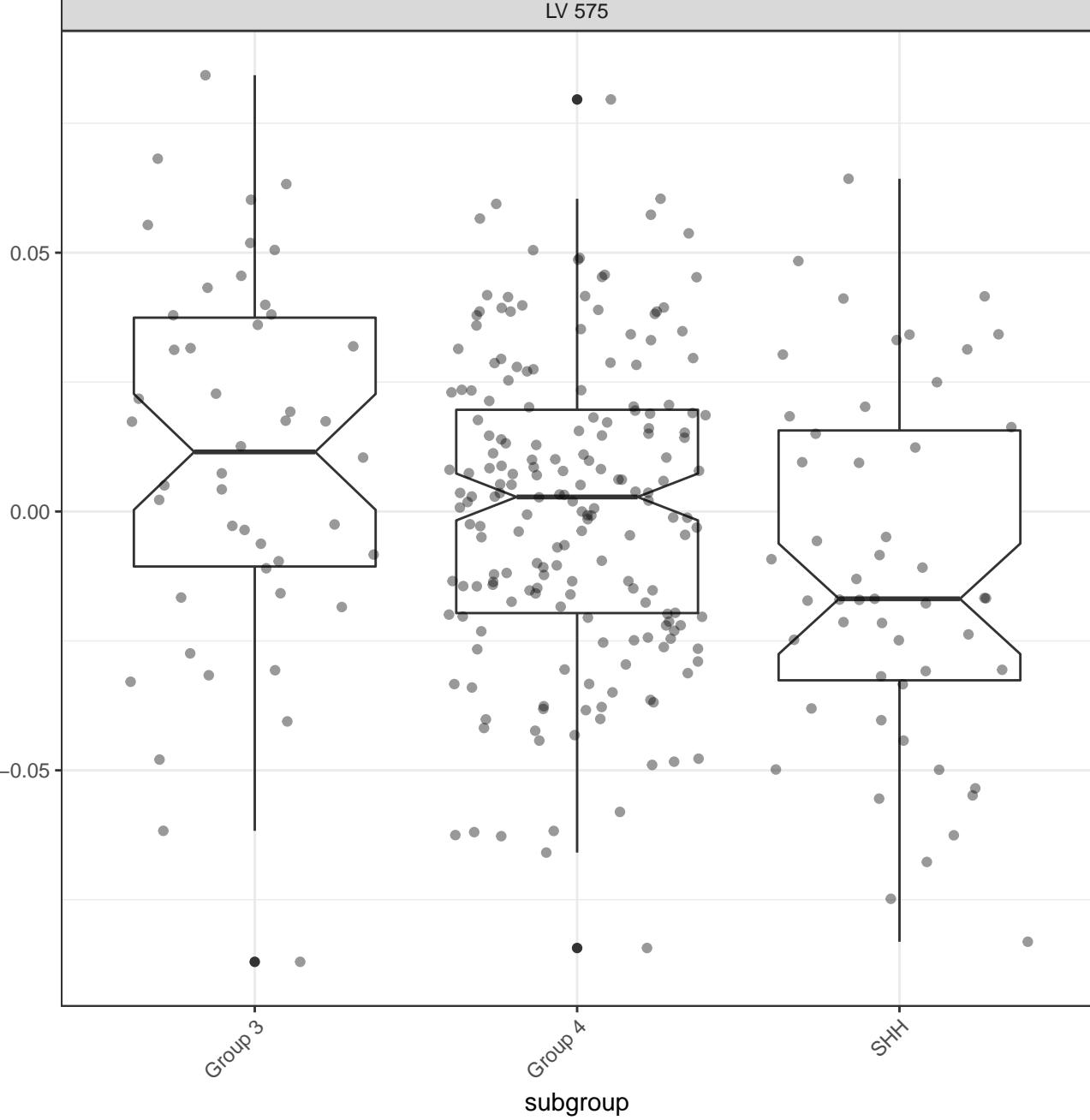
subgroup





LV 575

Value



LV 576

Vvalue

0.10

0.05

0.00

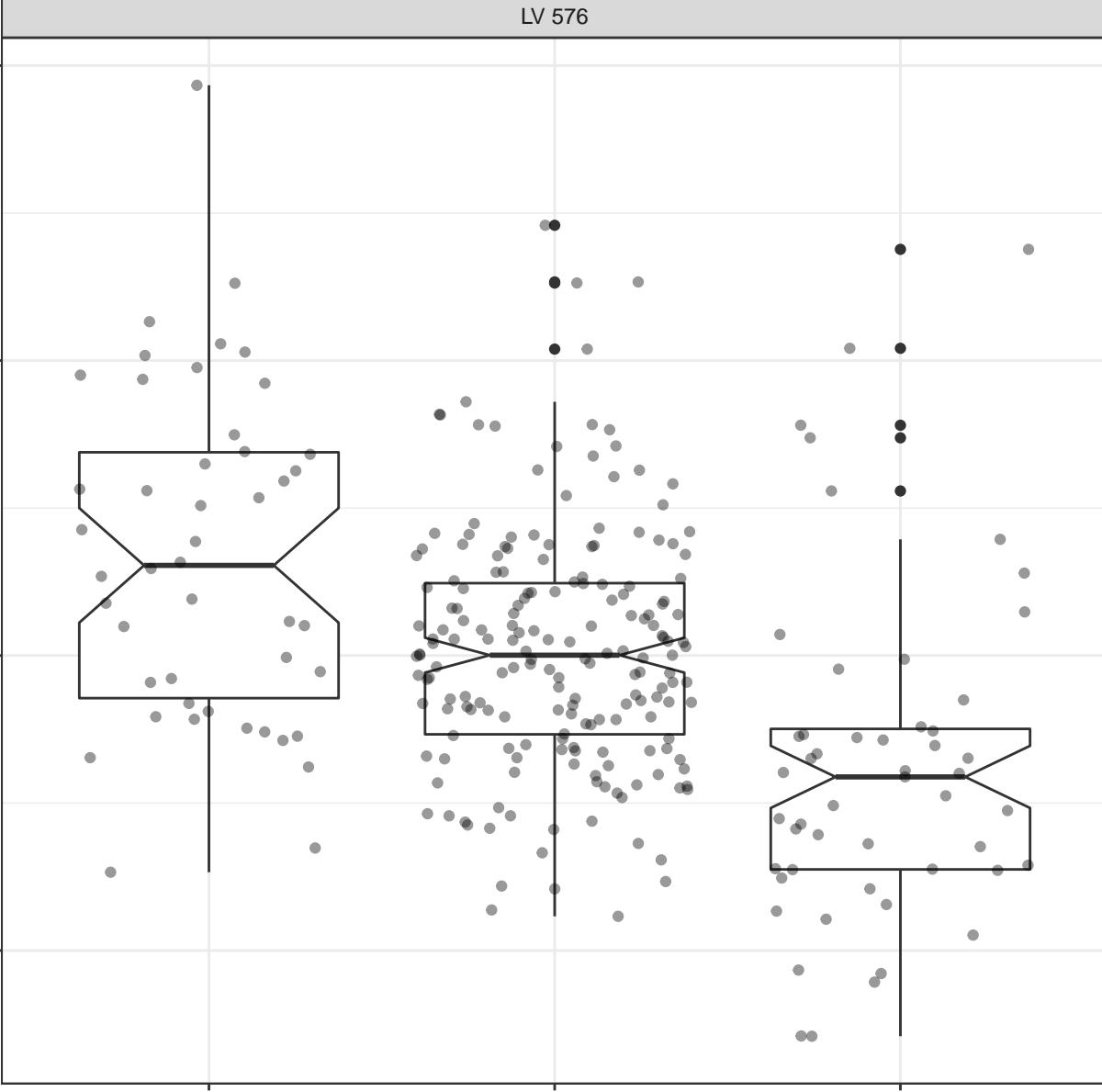
-0.05

Group 3

Group 4

SHH

subgroup



LV 577

Value

0.10

0.05

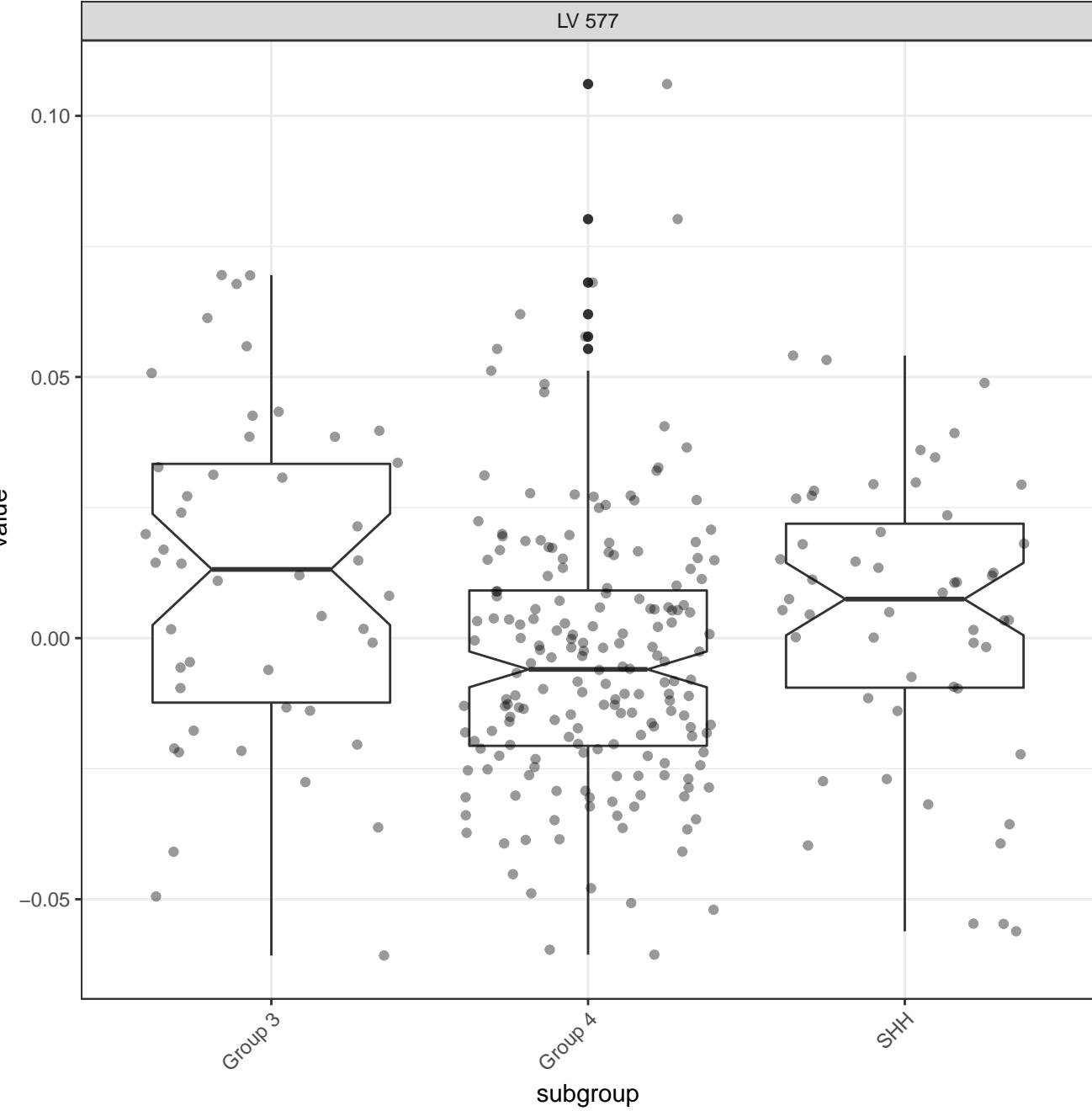
0.00

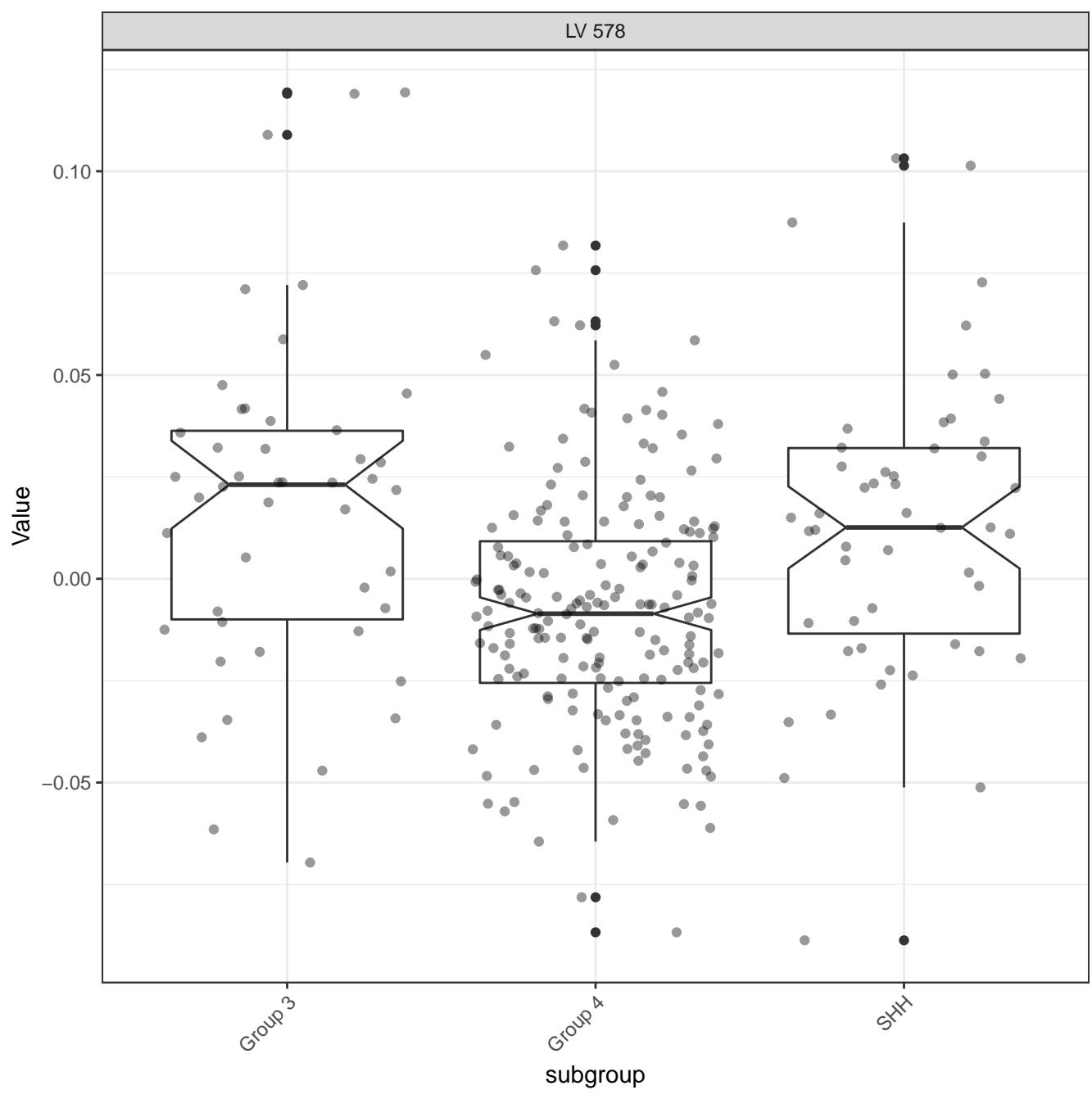
-0.05

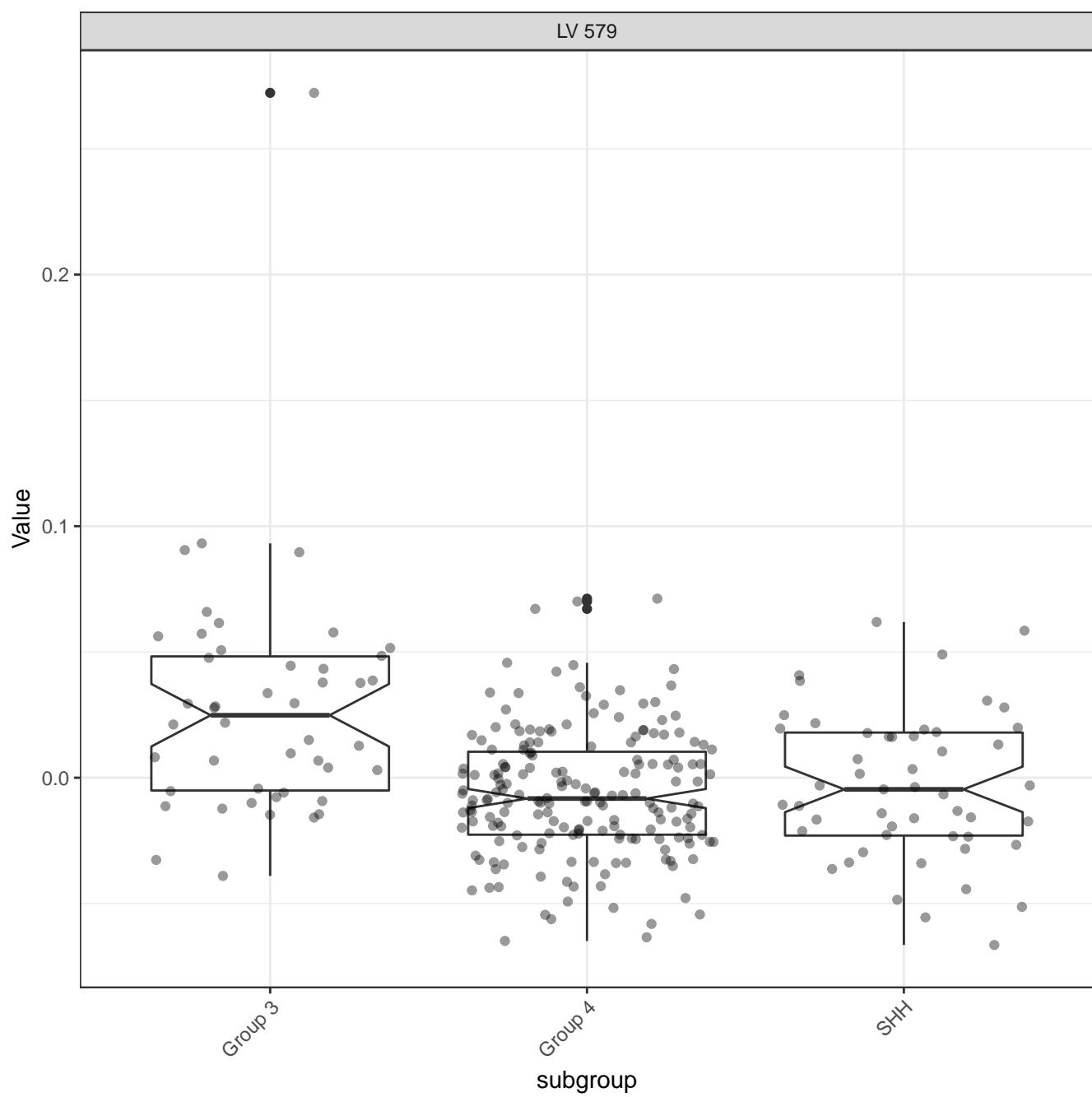
Group 3

subgroup

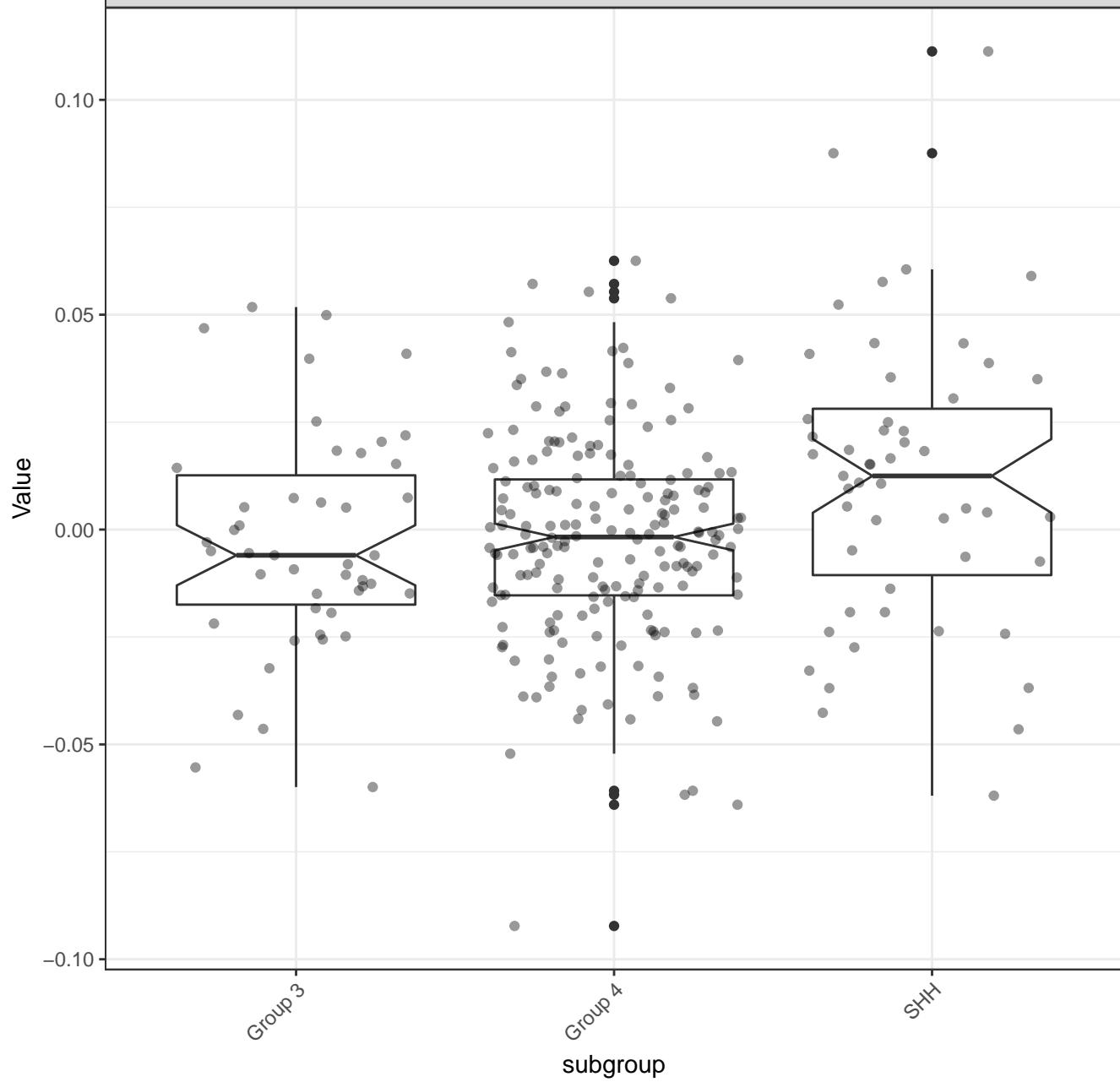
SHH



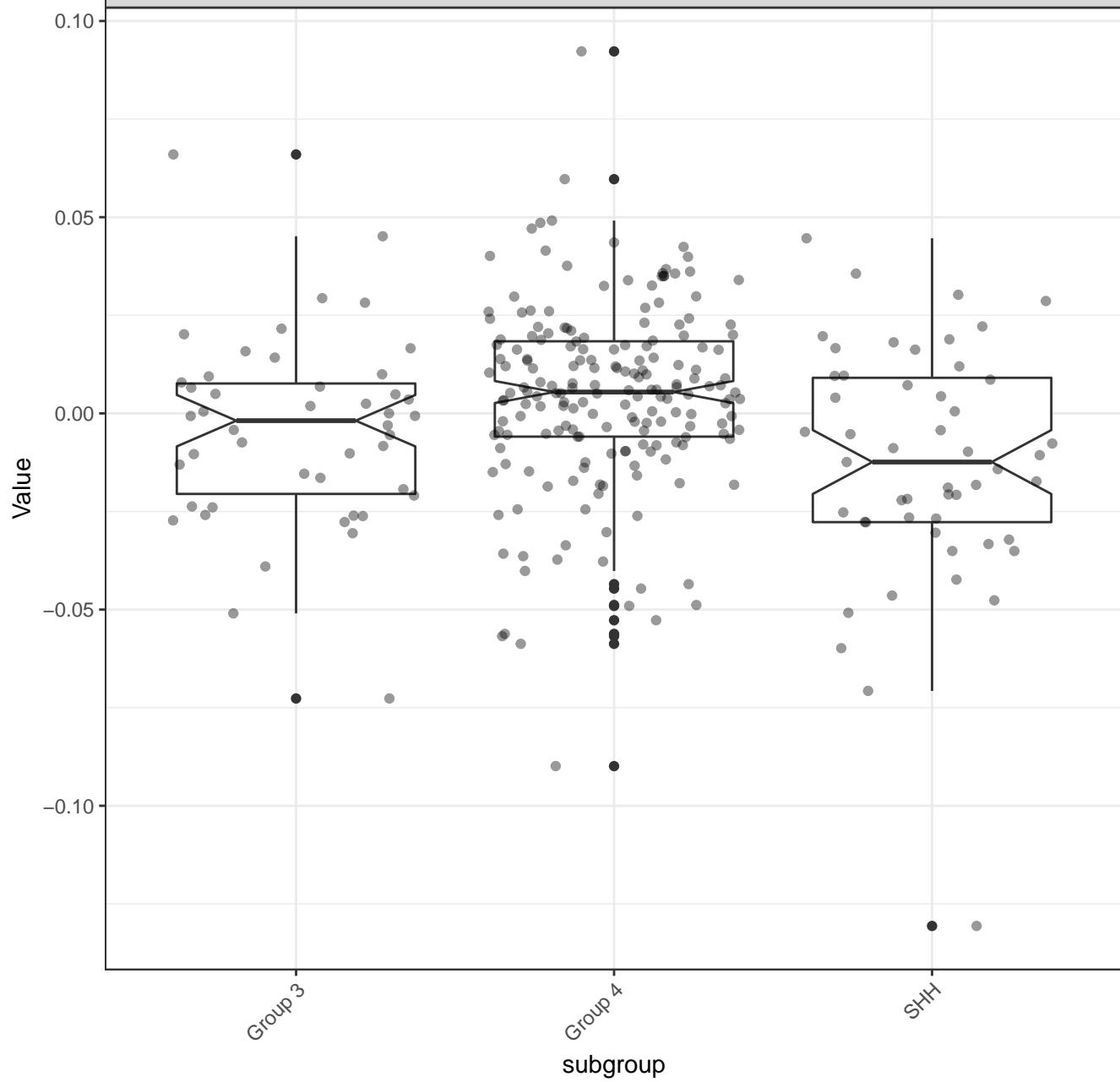




LV 580



LV 581



LV 582

Value

0.15

0.10

0.05

0.00

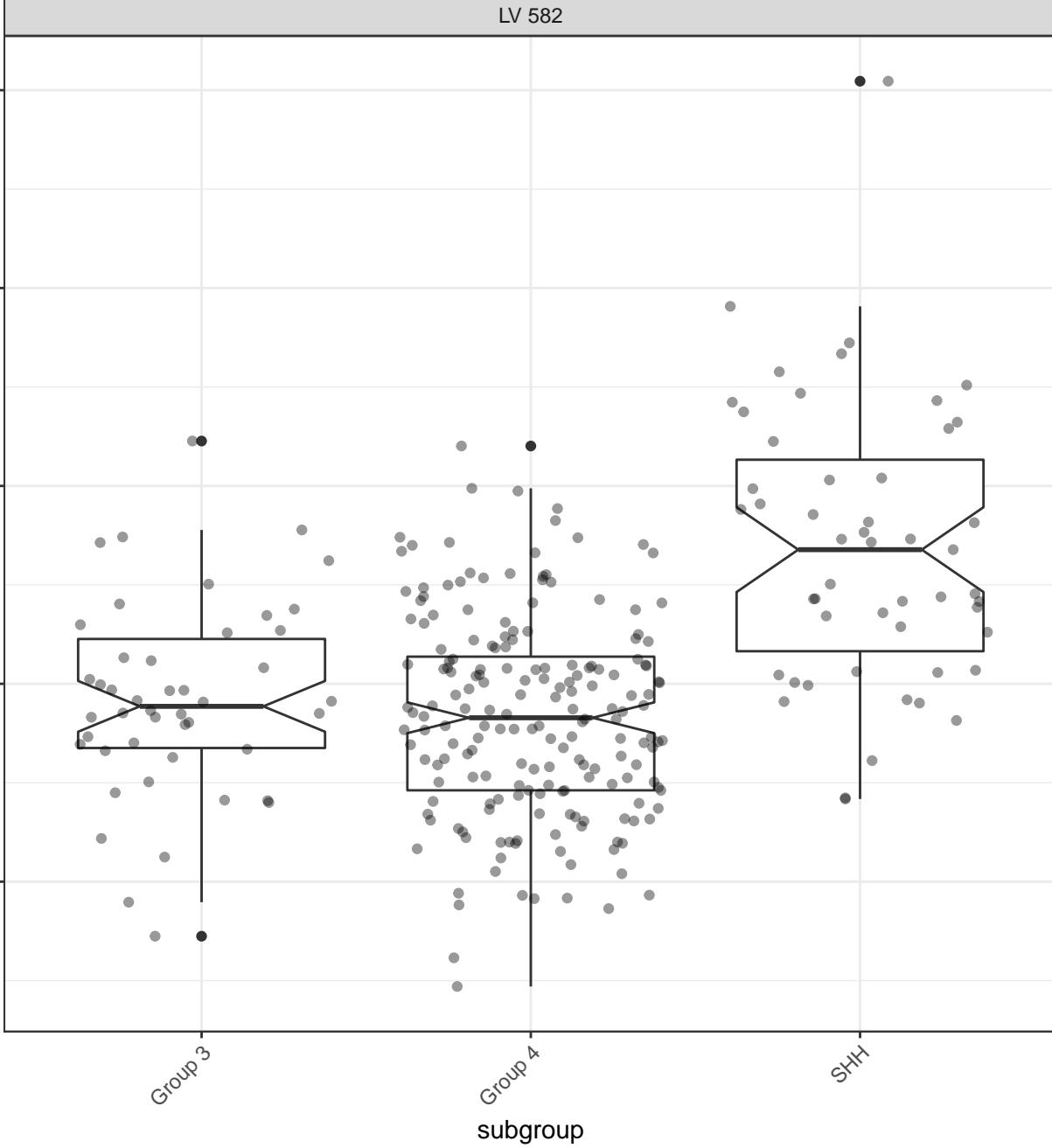
-0.05

Group 3

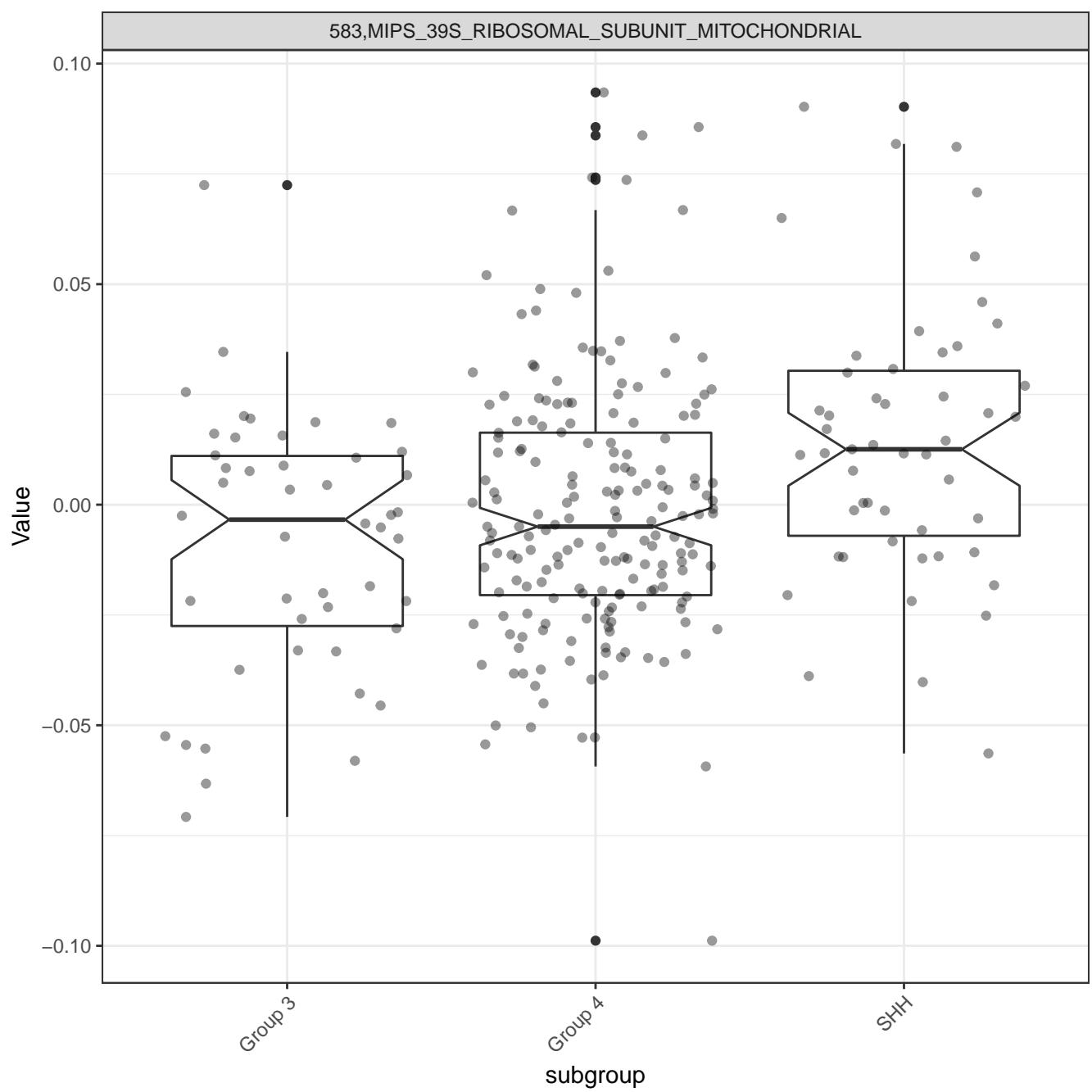
Group 4

SHH

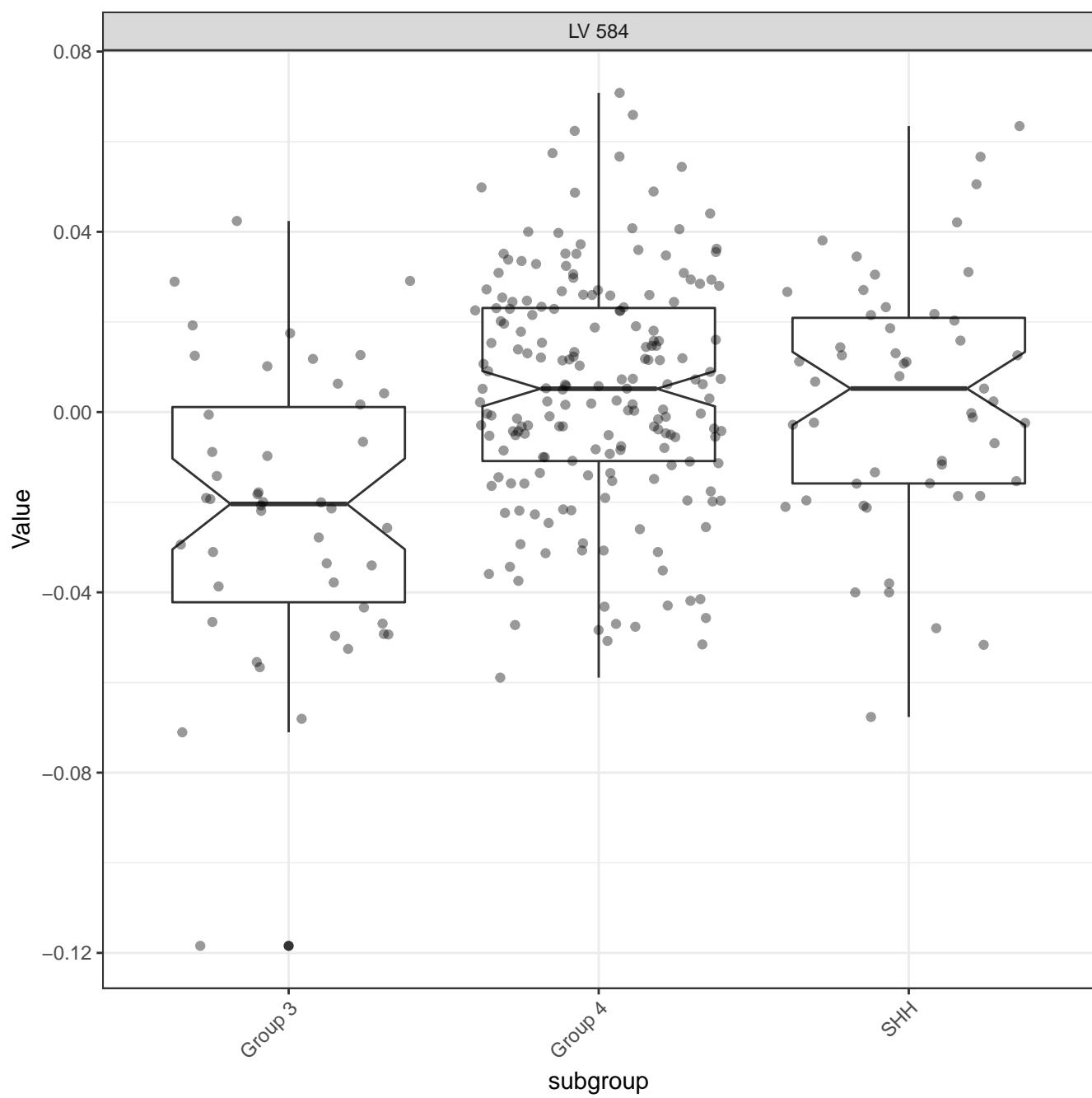
subgroup



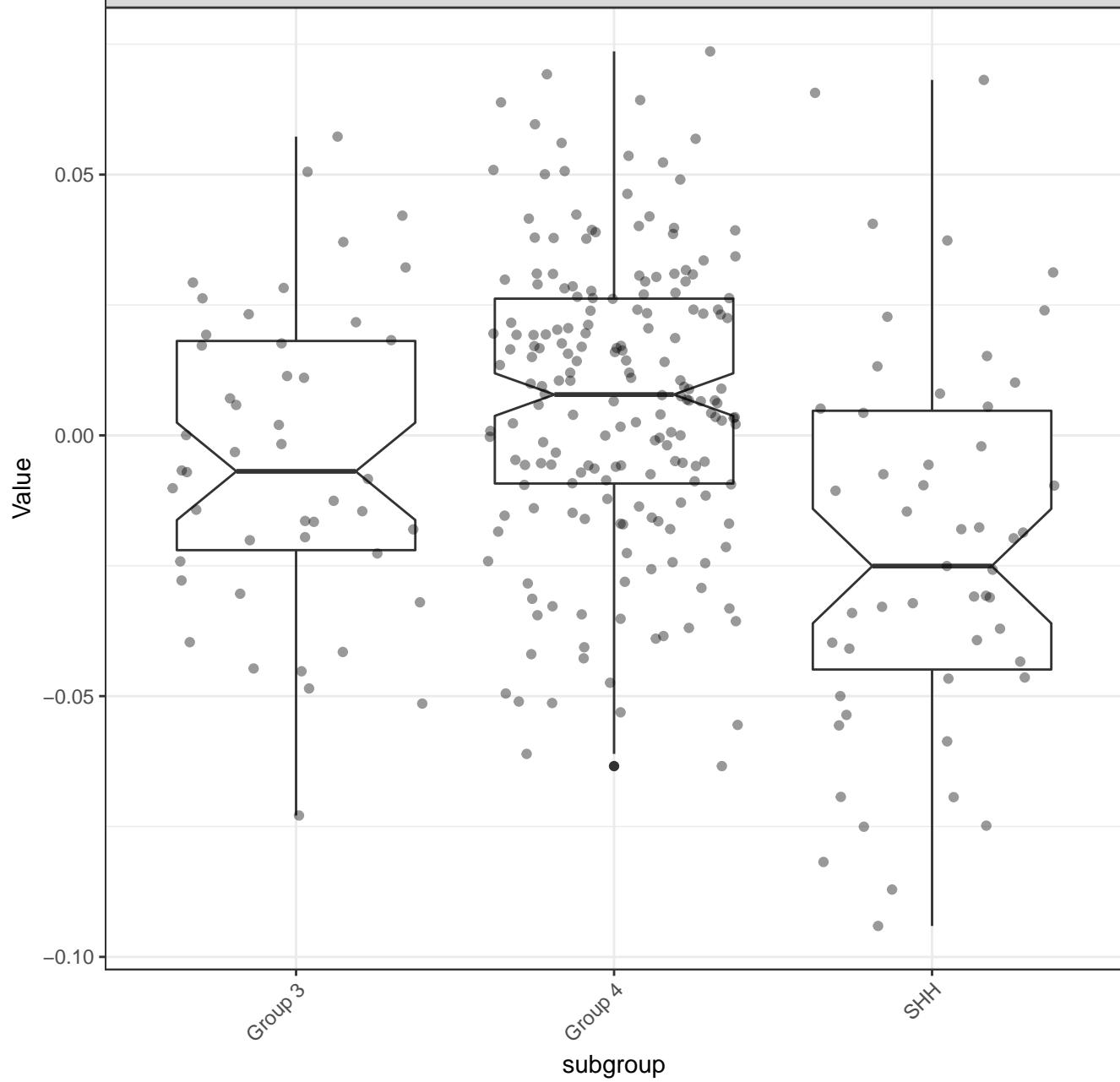
583,MIPS_39S_RIBOSOMAL_SUBUNIT_MITOCHONDRAL



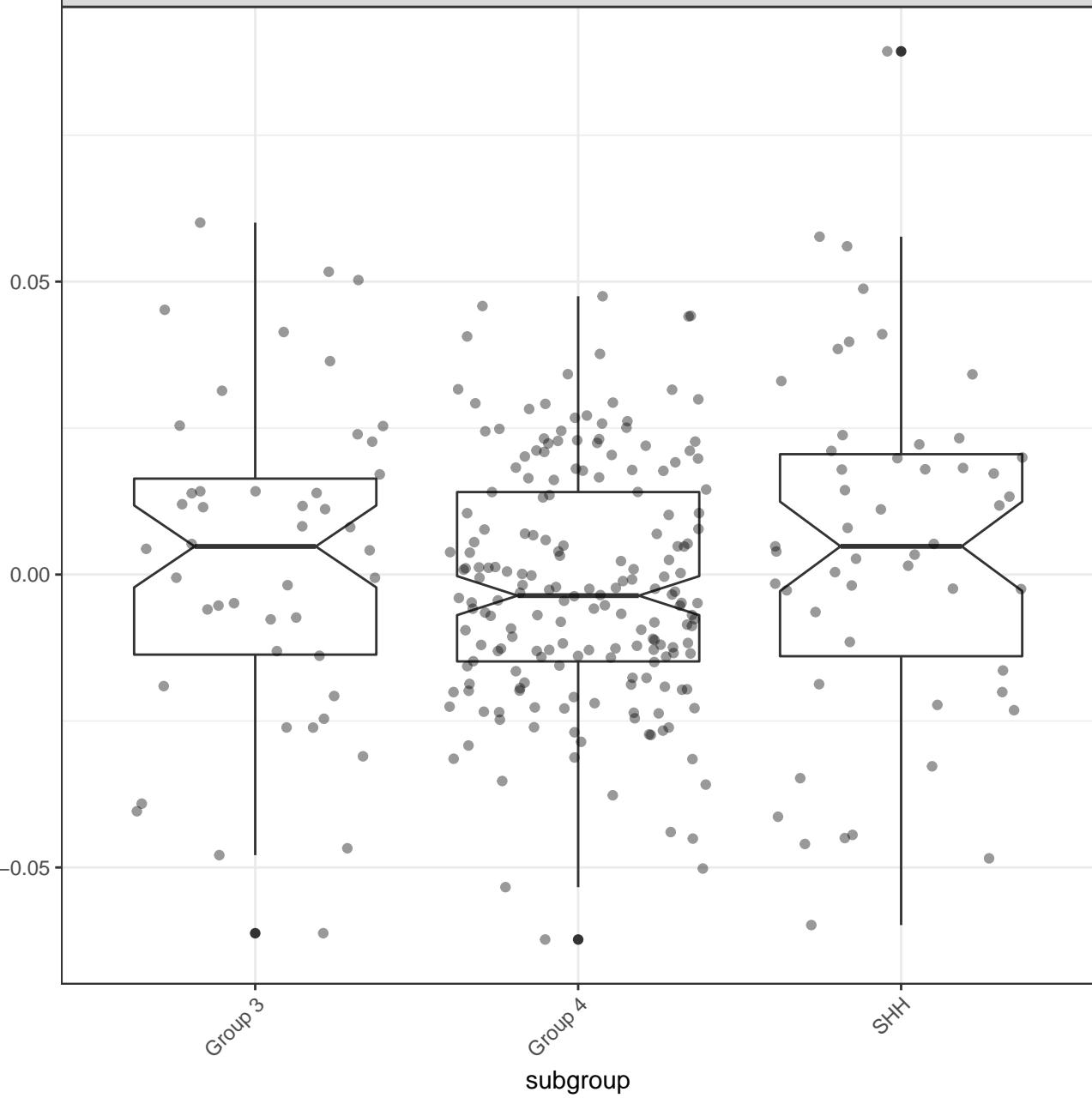
LV 584



LV 585



Value



LV 587

Value

0.2

0.1

0.0

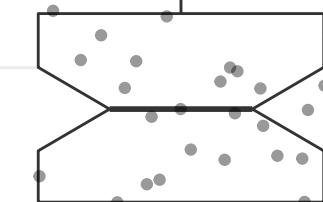
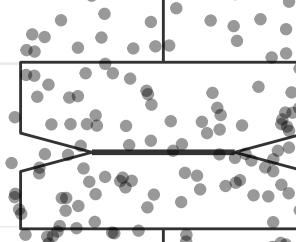
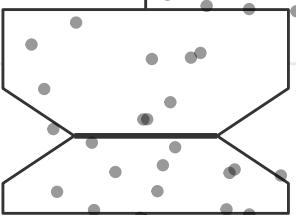
-0.1

Group 3

Group 4

SHH

subgroup



LV 588

Value

0.05

0.00

-0.05

-0.10

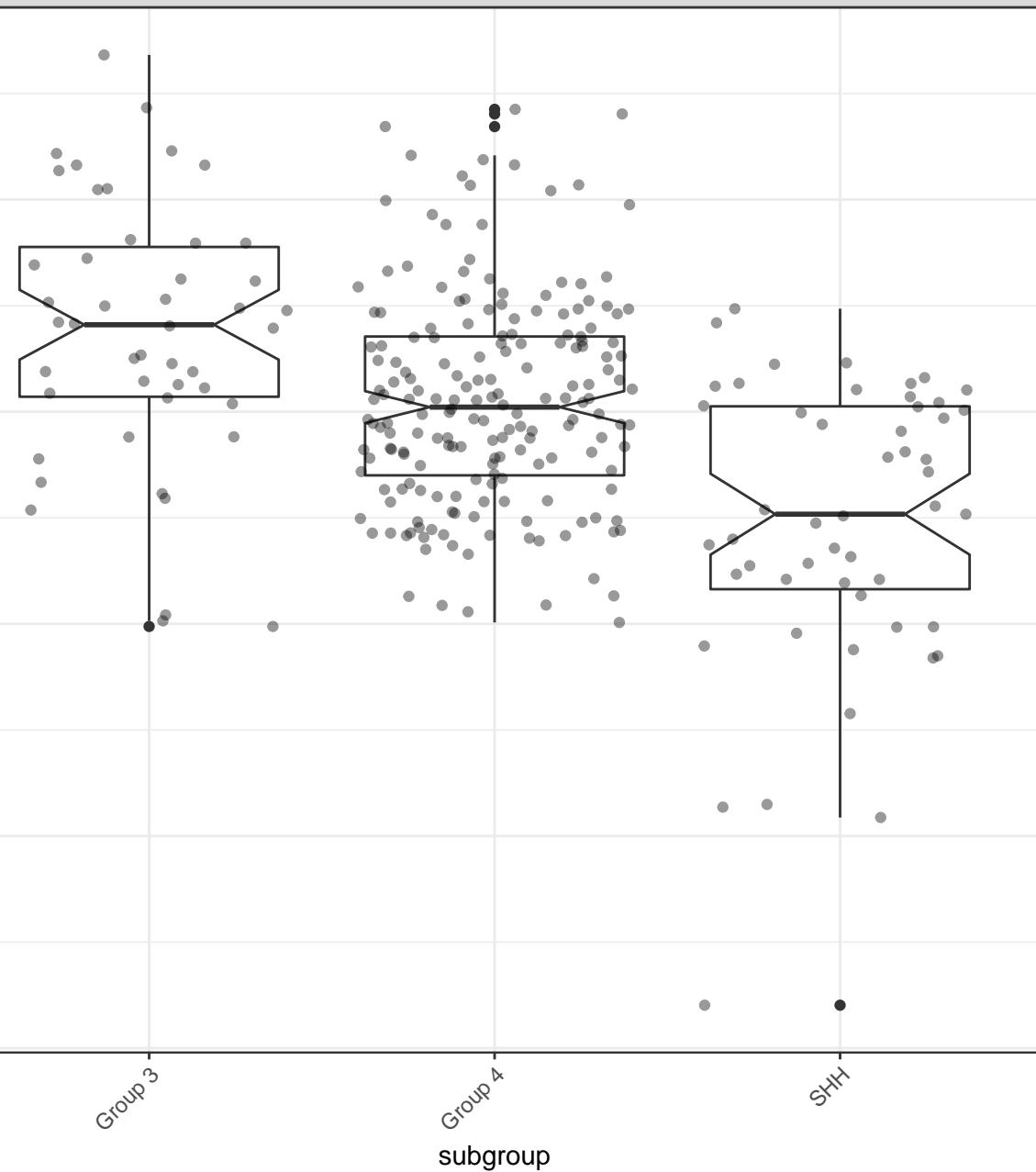
-0.15

Group 3

subgroup

Group 4

SHH



LV 589

Value

0.05

0.00

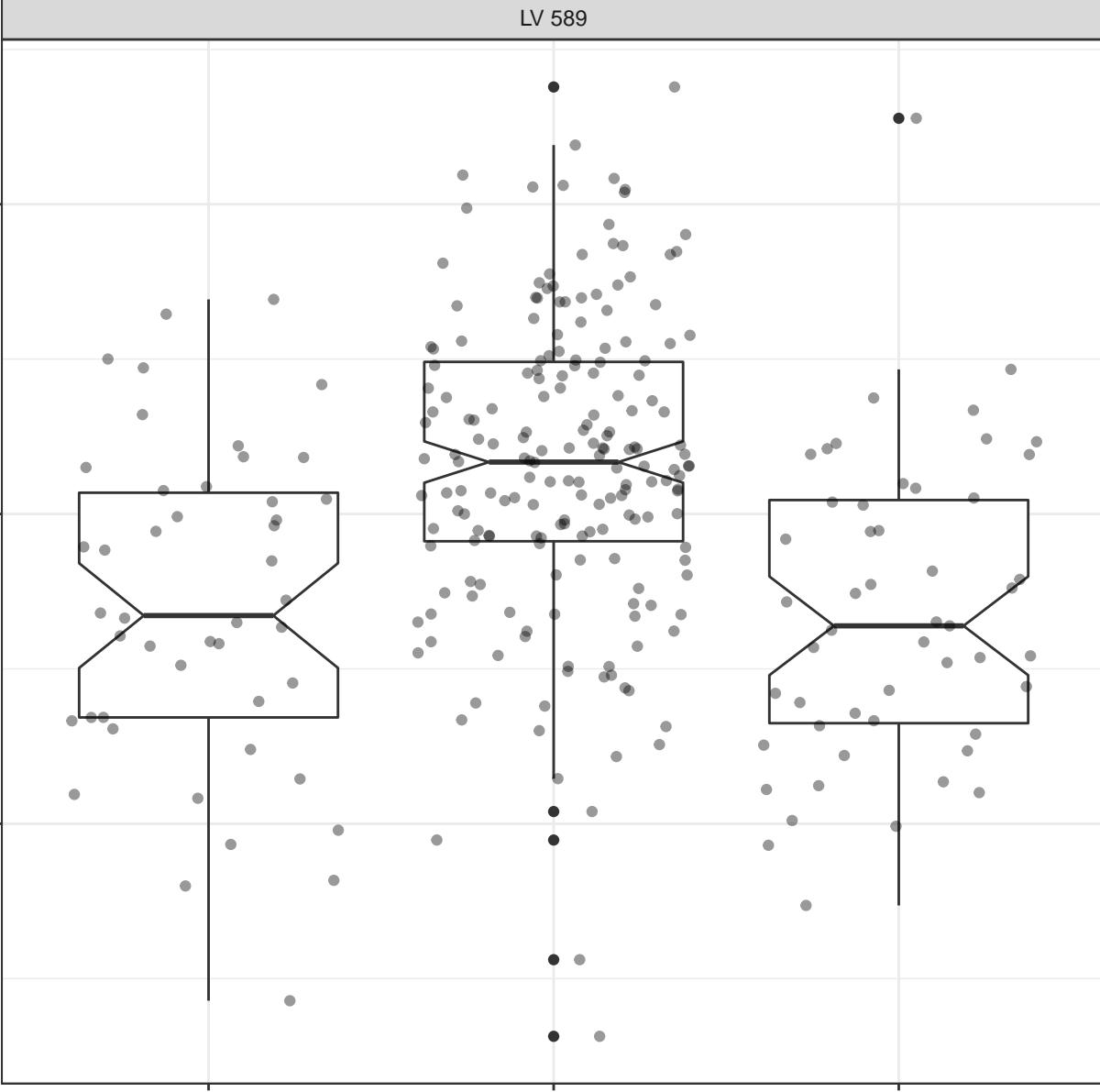
-0.05

Group 3

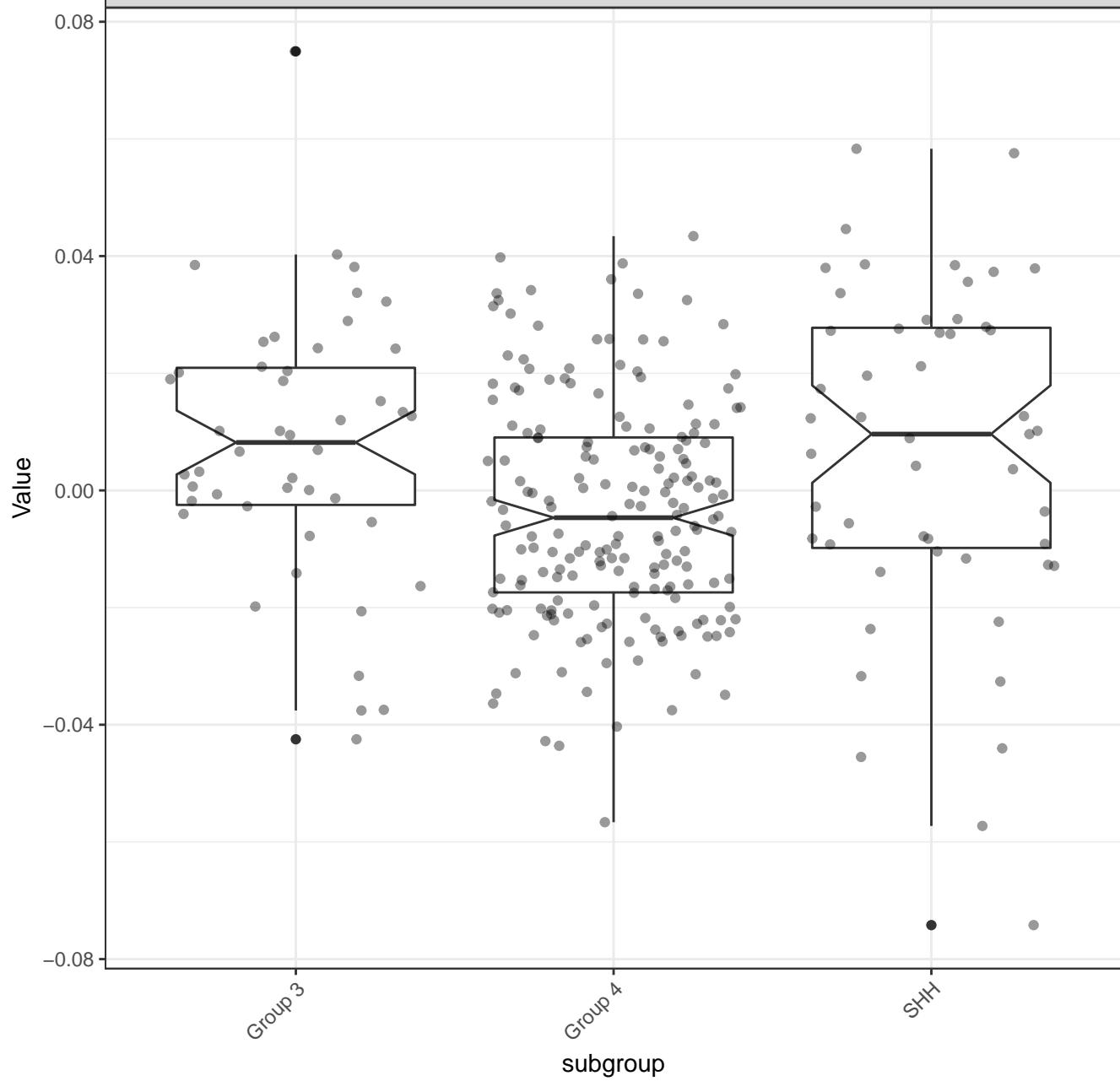
subgroup

Group 4

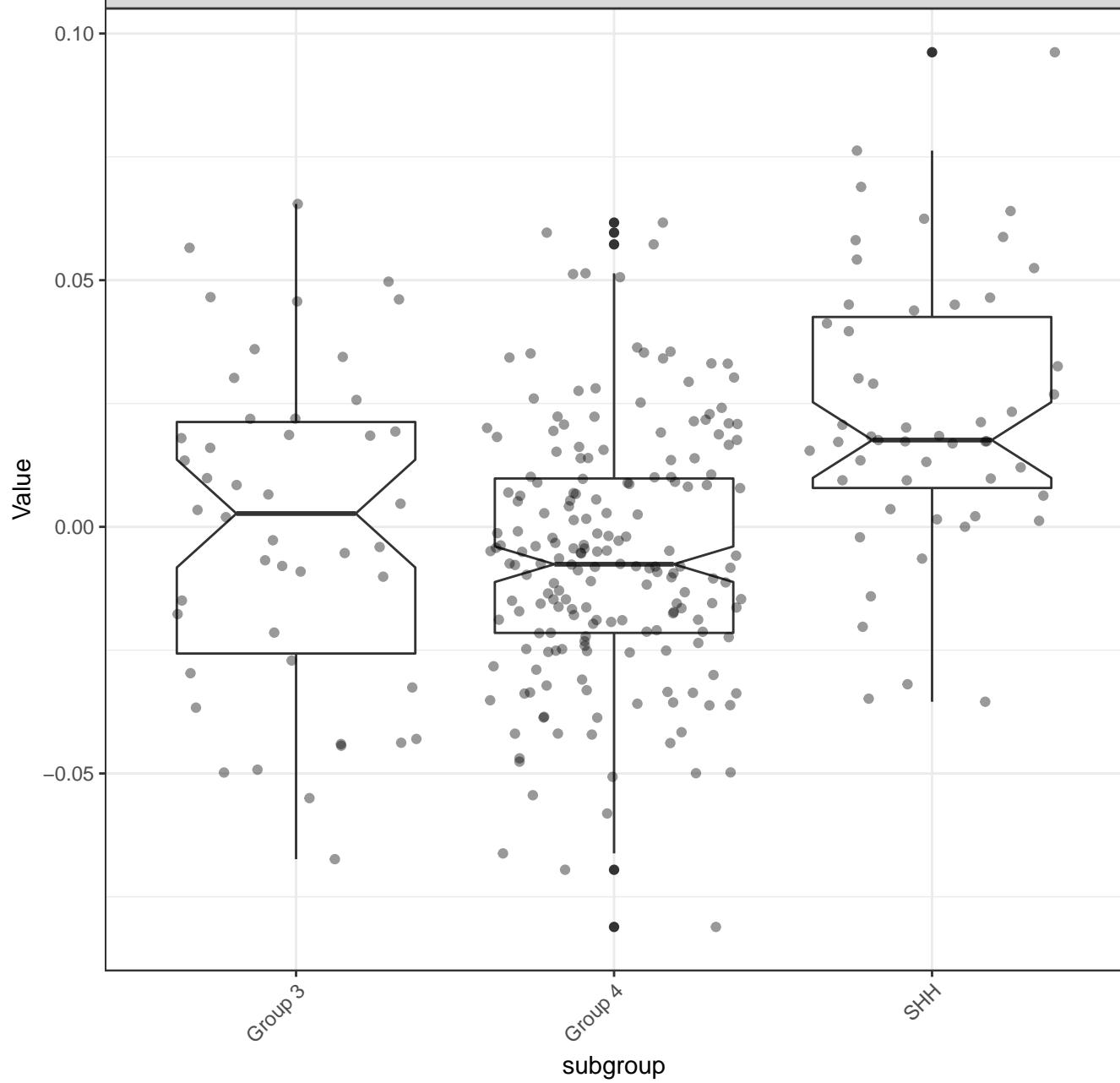
SHH



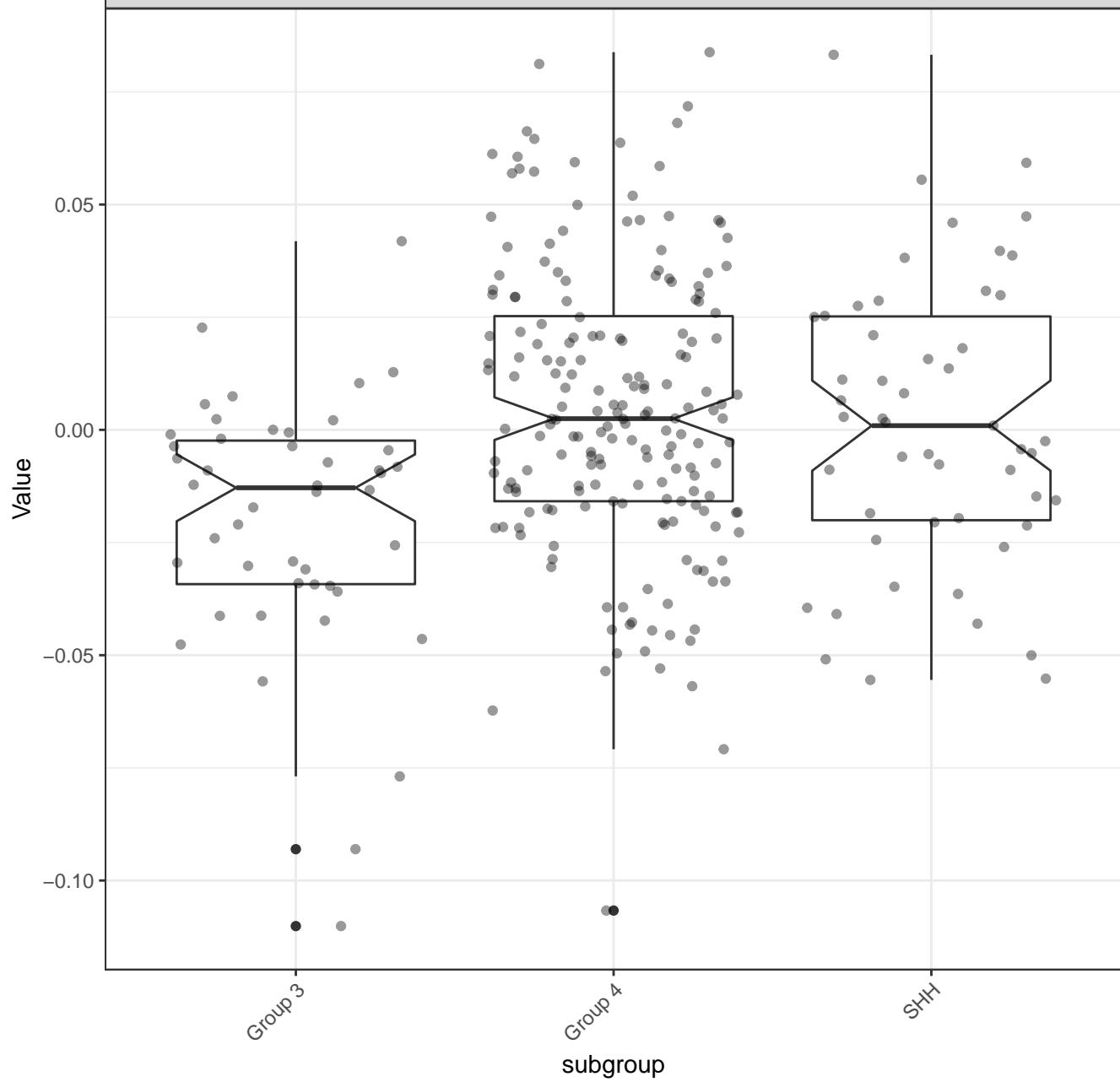
LV 590



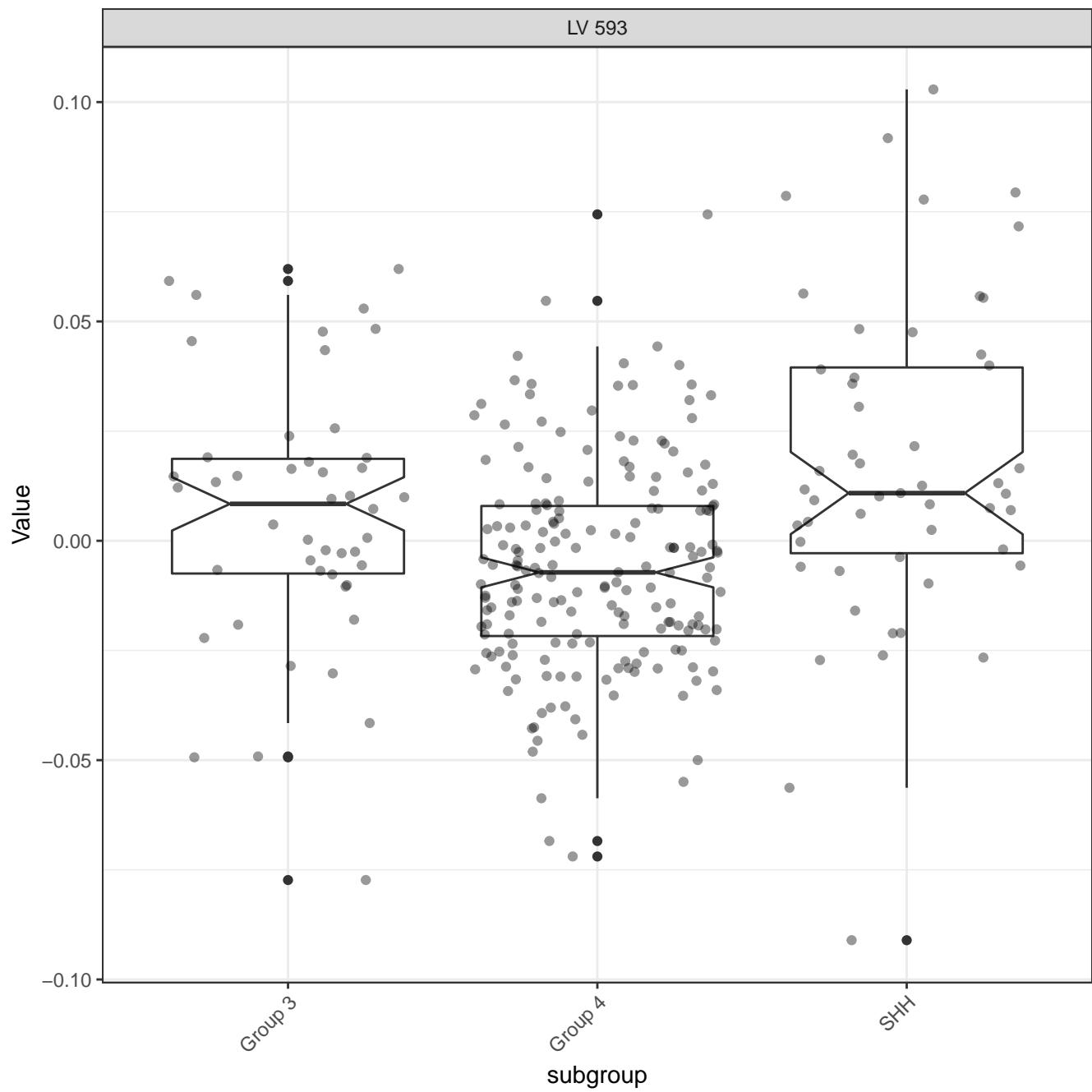
LV 591



LV 592



LV 593



LV 594

Value

0.10

0.05

0.00

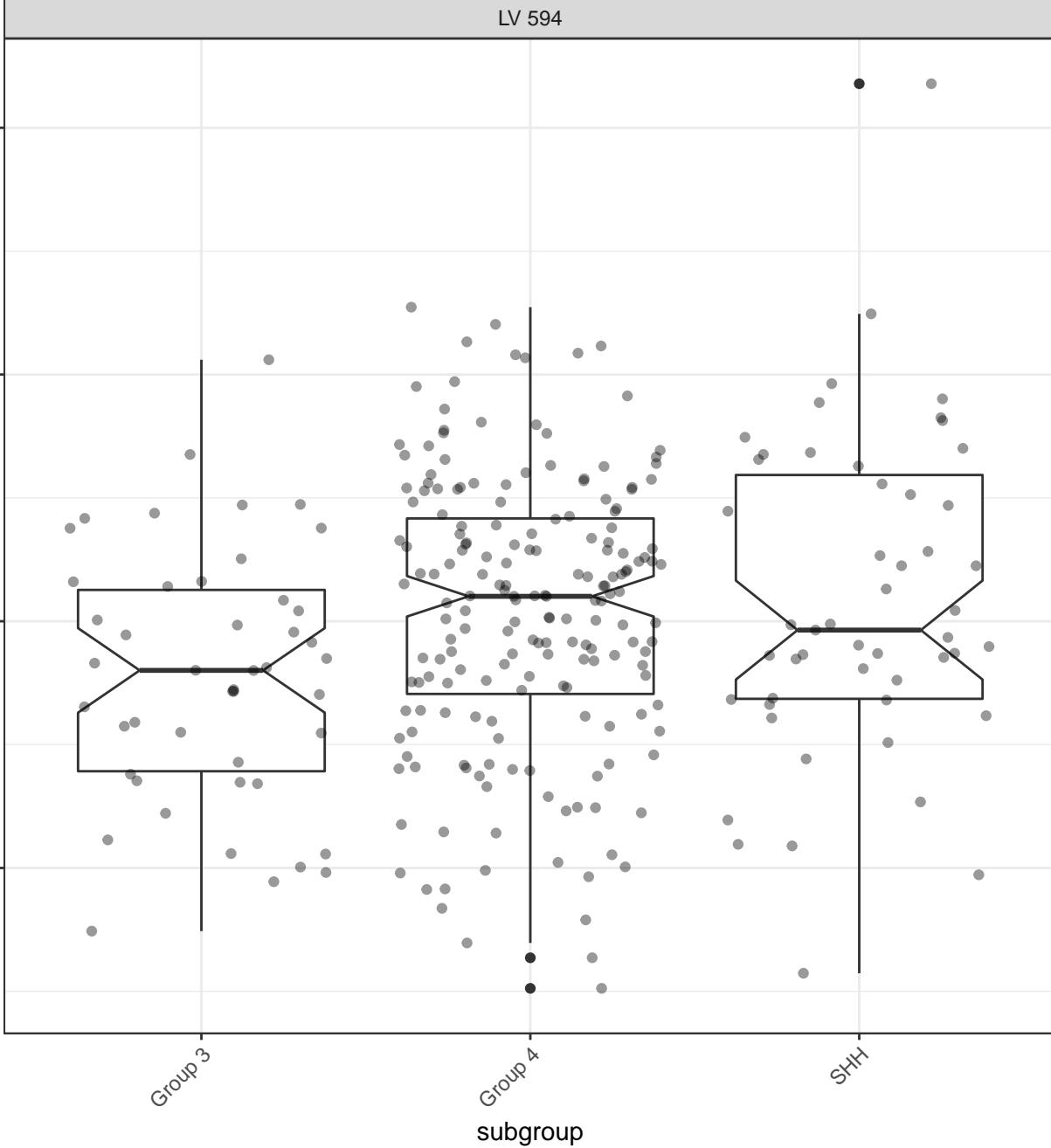
-0.05

Group 3

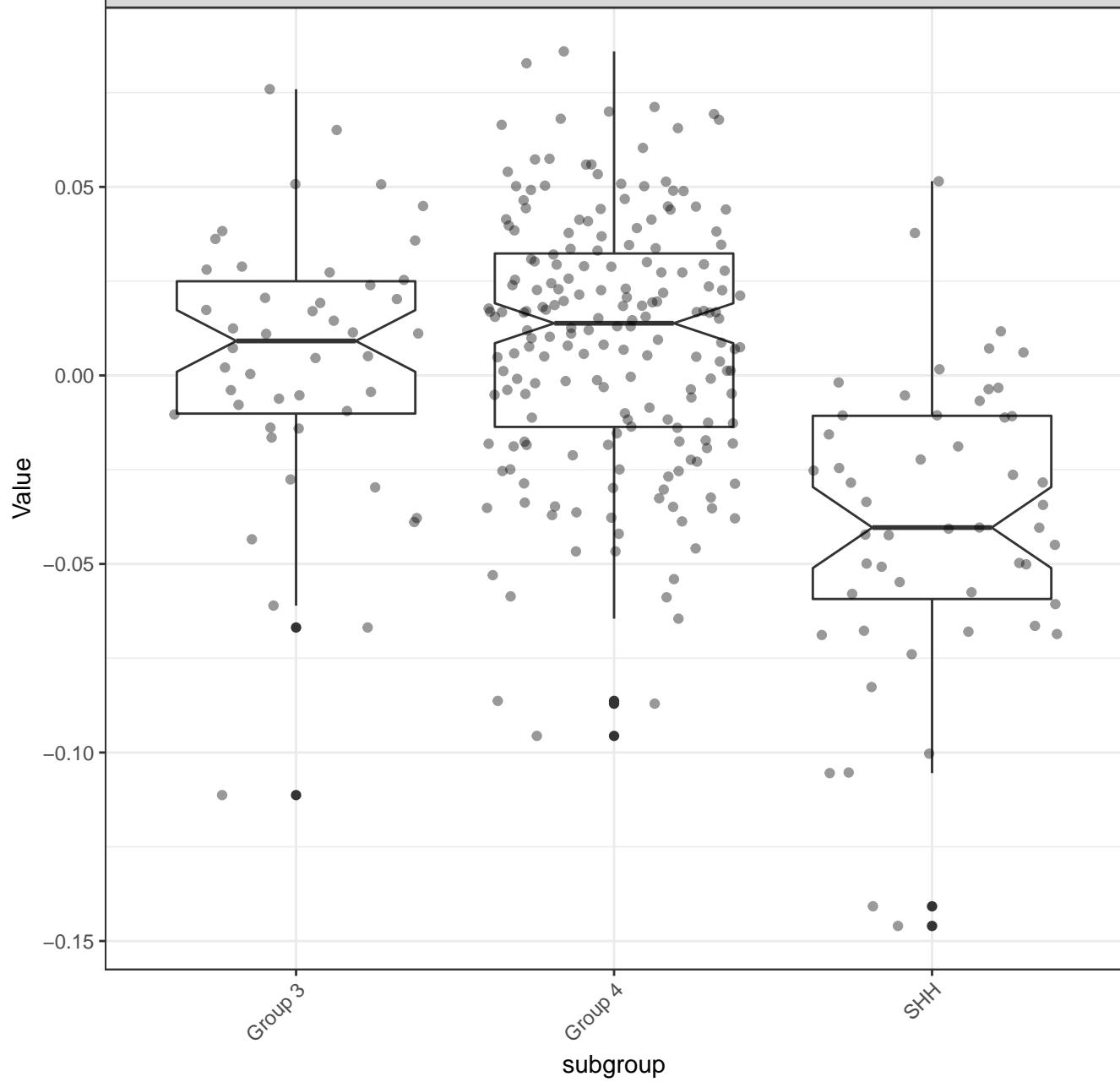
Group 4

SHH

subgroup



LV 595



LV 596

Value

0.10

0.05

0.00

-0.05

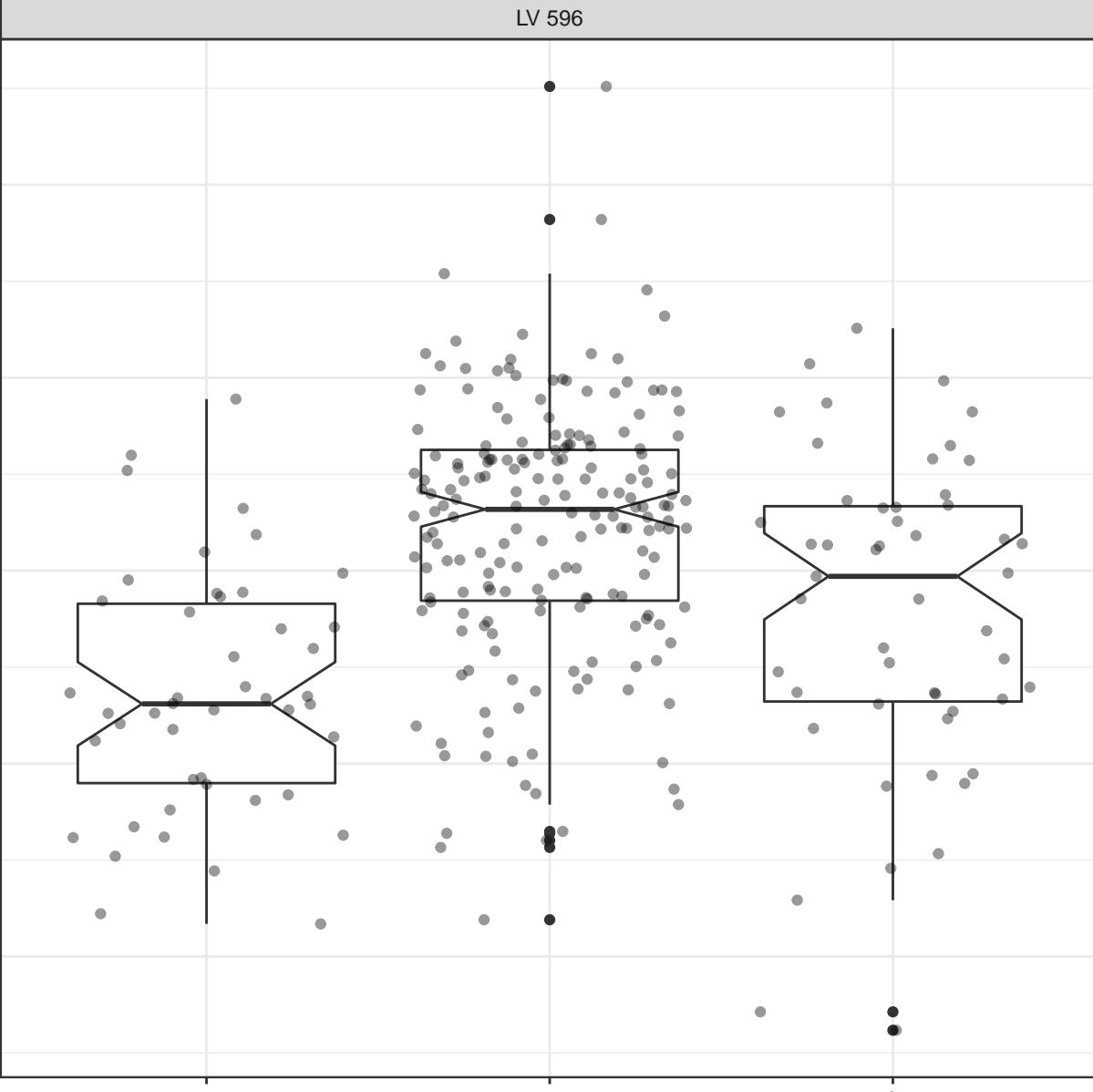
-0.10

Group 3

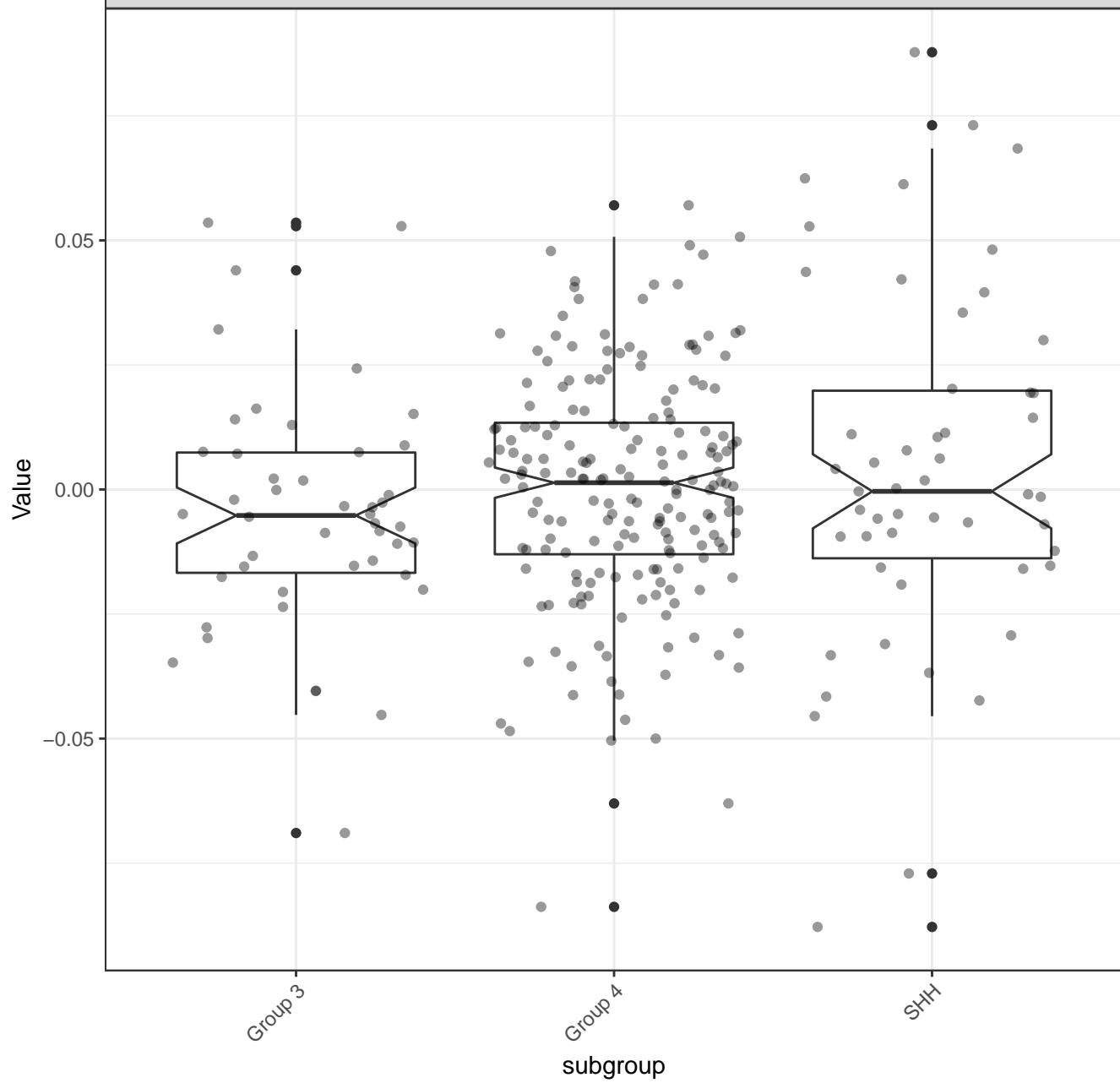
subgroup

Group 4

SHH



LV 597



LV 598

Value

0.2

0.1

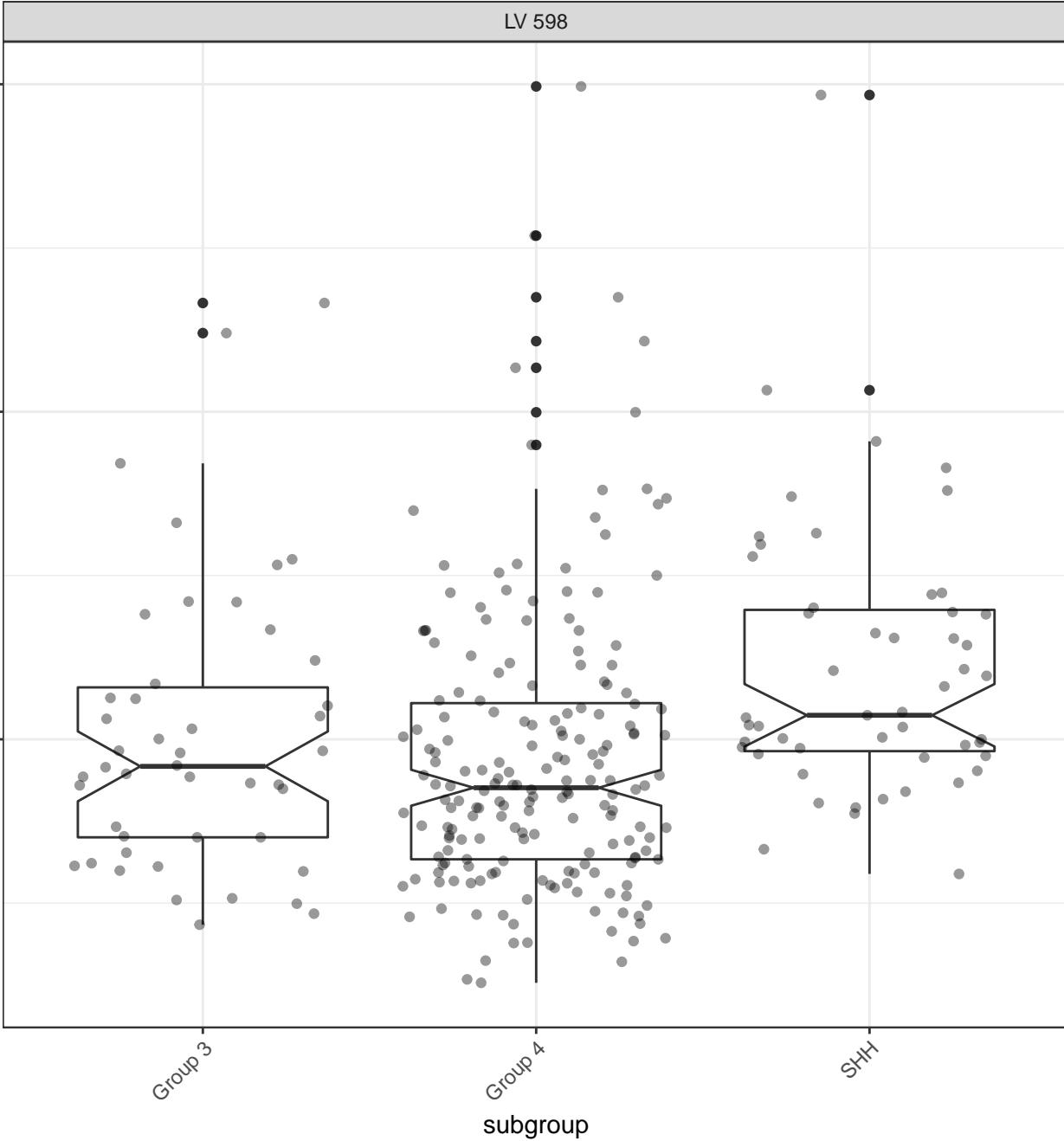
0.0

Group 3

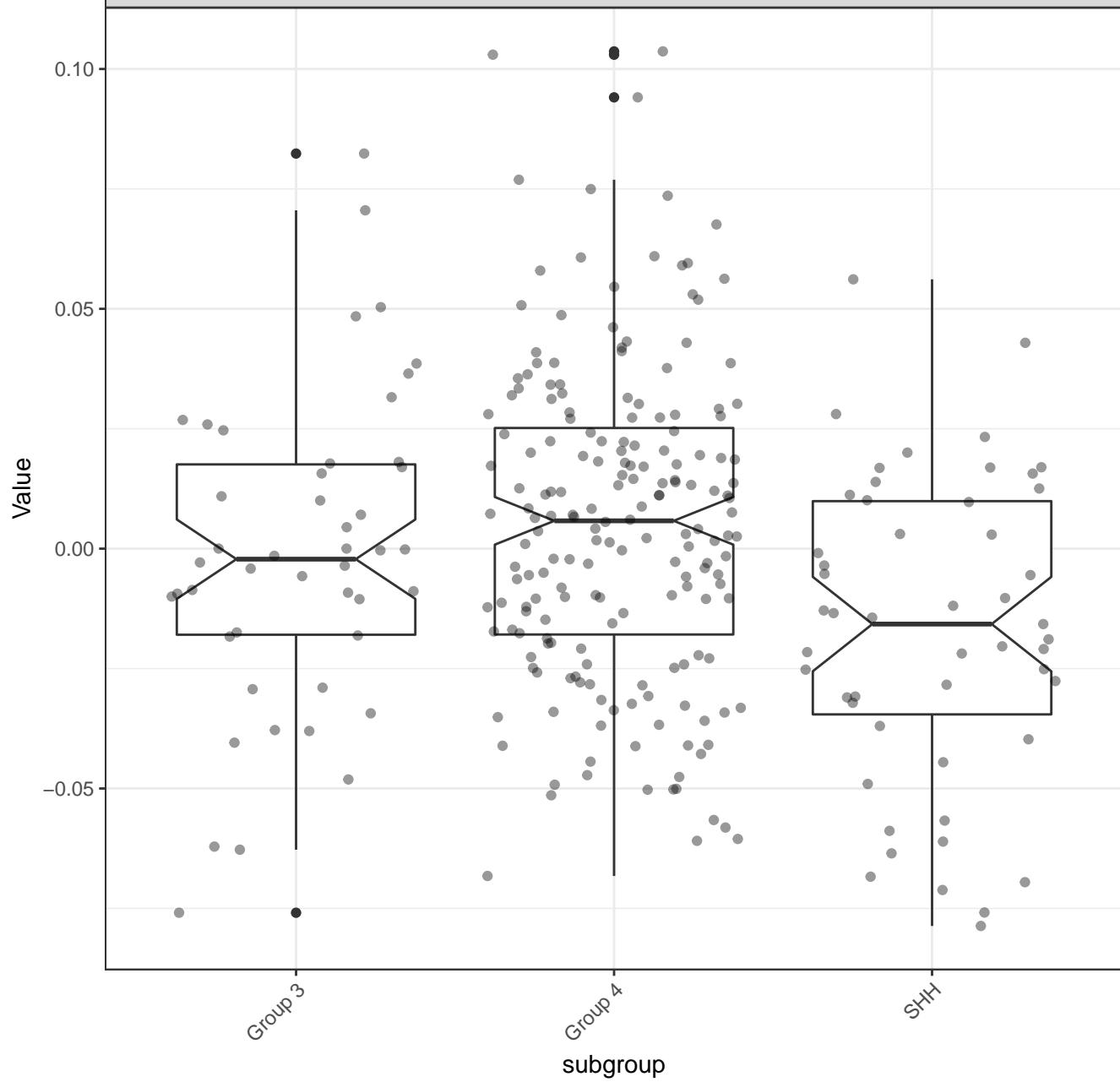
Group 4

SHH

subgroup



599,DMAP_ERY2



LV 600

Value

0.05

0.00

-0.05

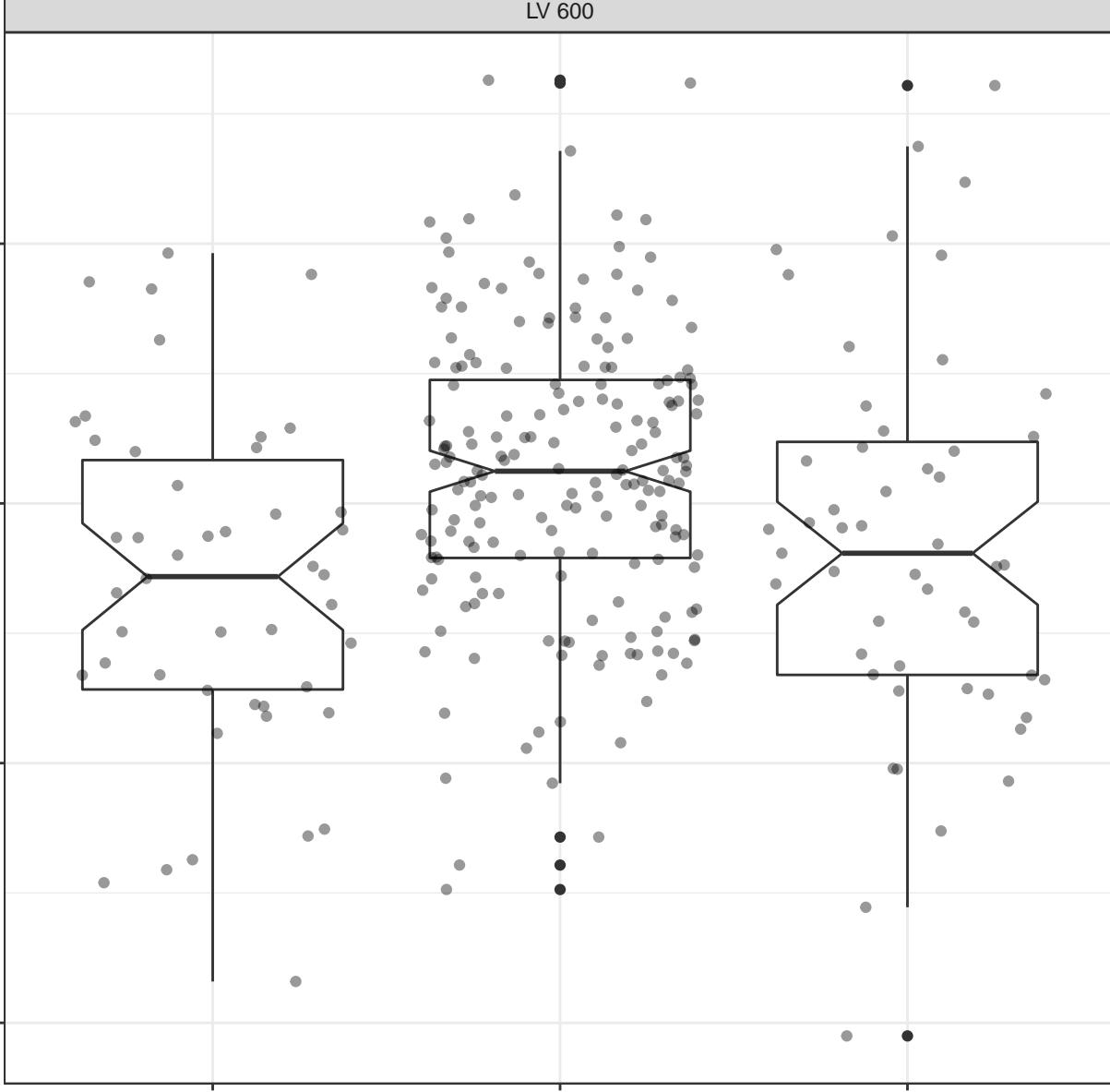
-0.10

Group 3

subgroup

Group 4

SHH



LV 601

Value

0.10

0.05

0.00

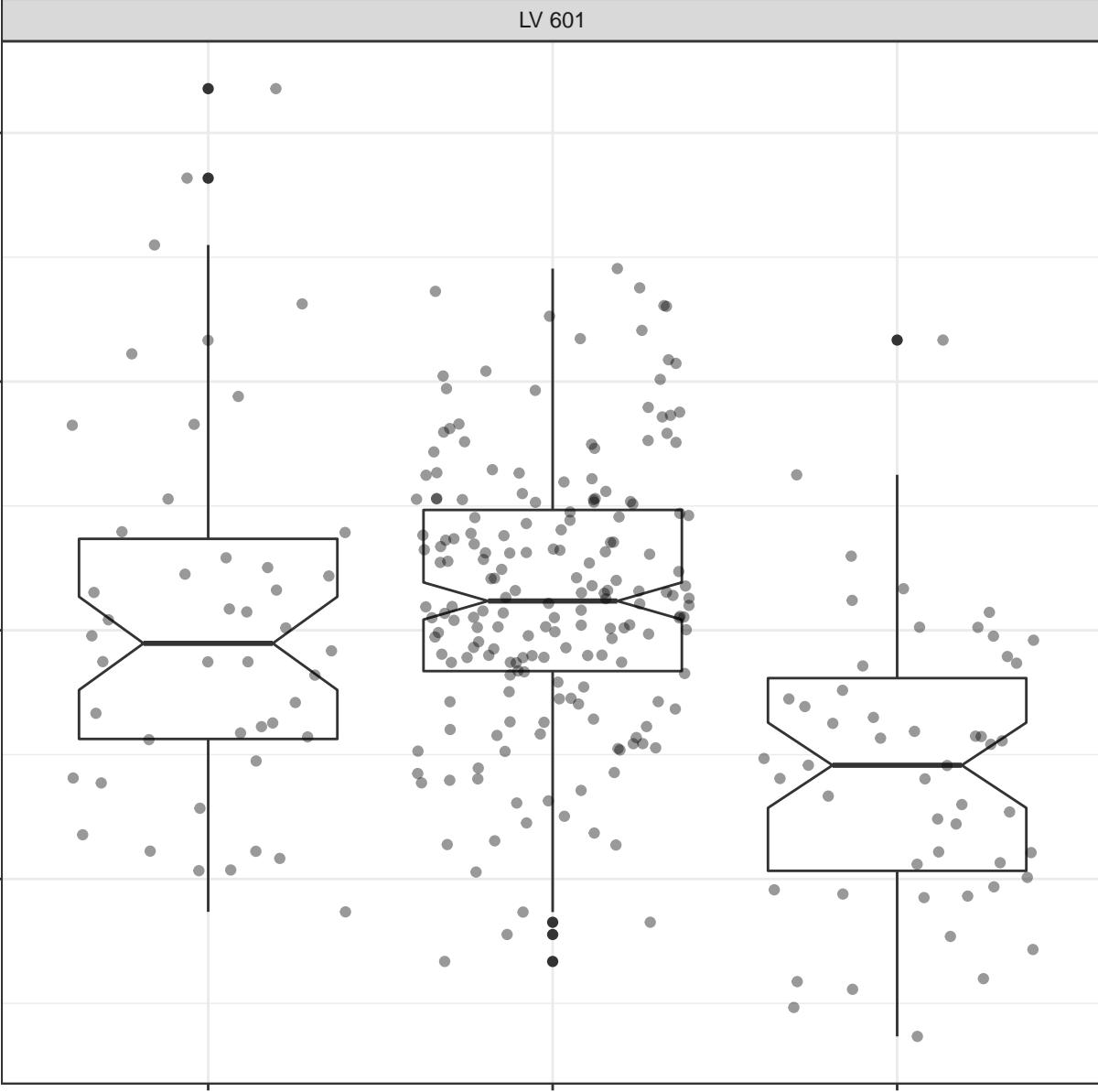
-0.05

Group 3

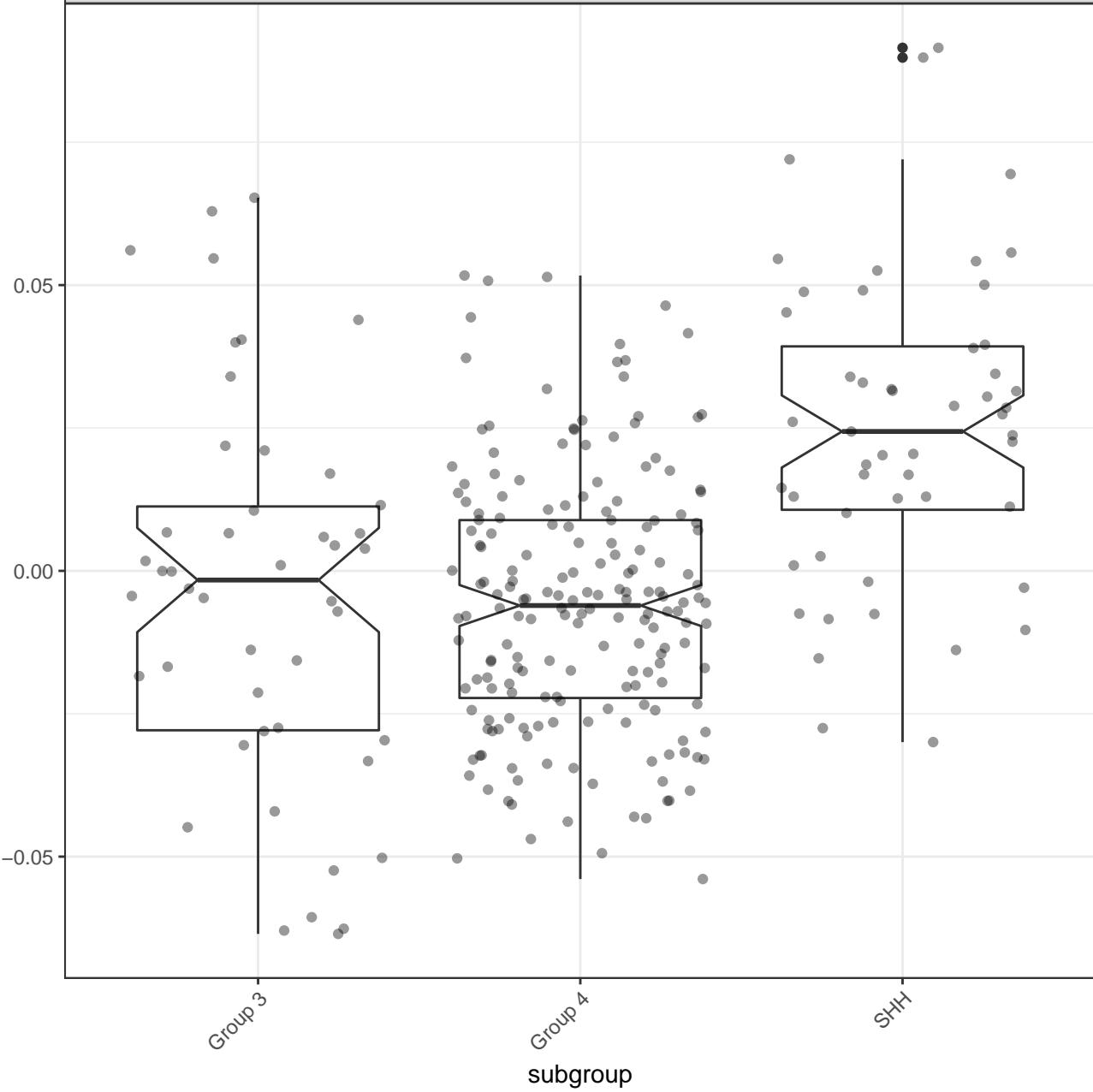
subgroup

Group 4

SHH



Value



603,SVM Neutrophils

Value

0.3

0.2

0.1

0.0

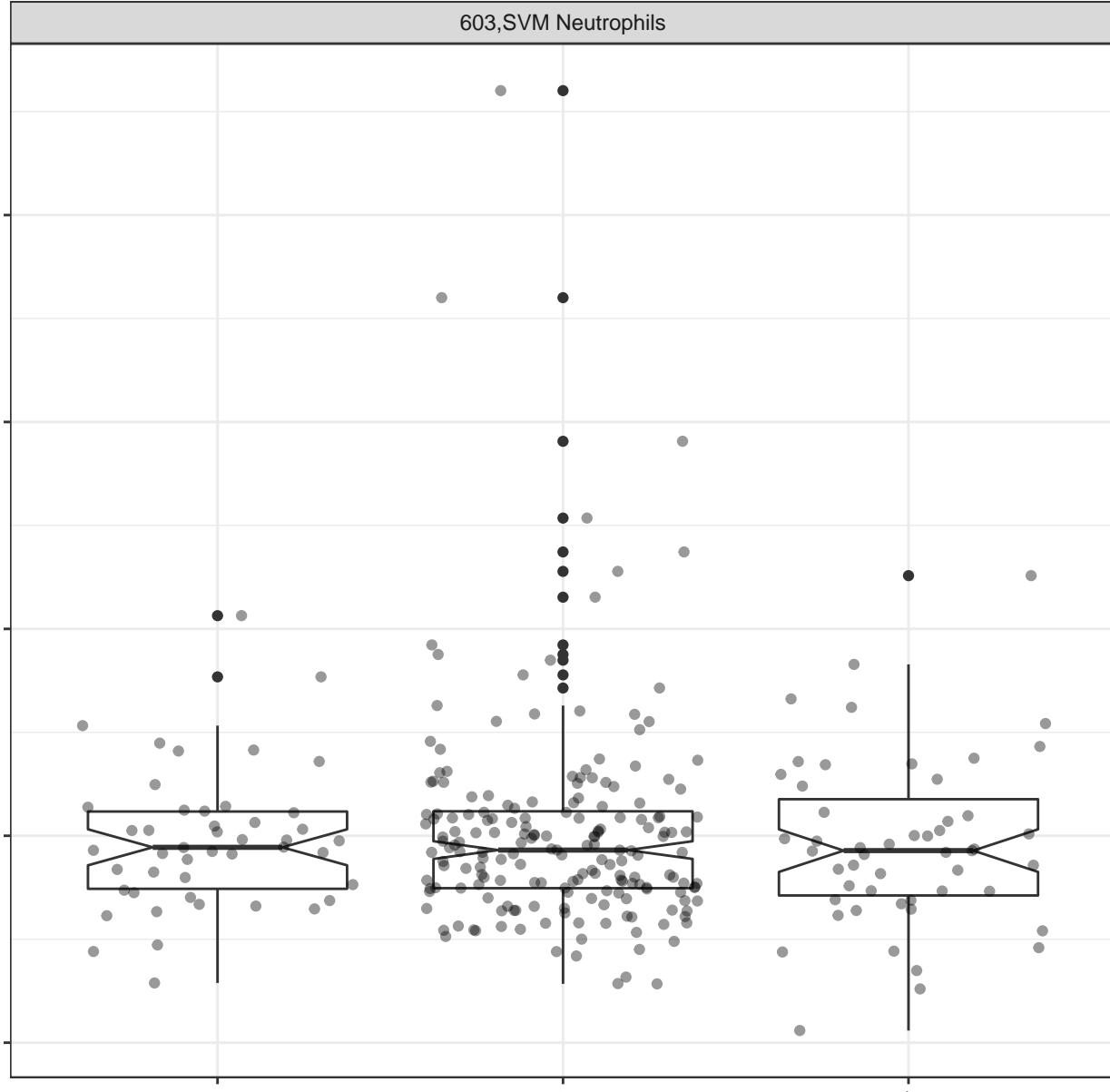
-0.1

Group 3

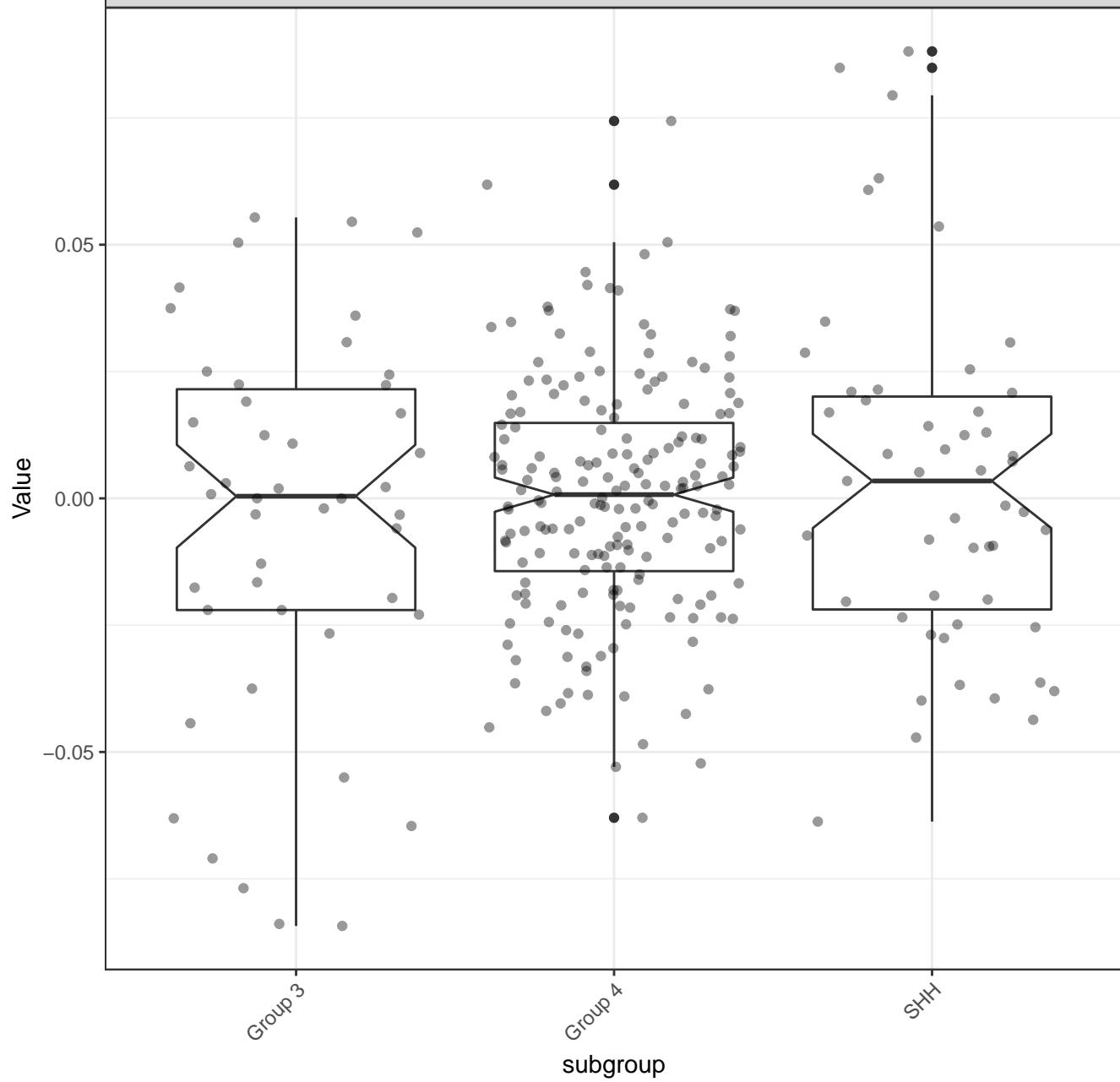
Group 4

SHH

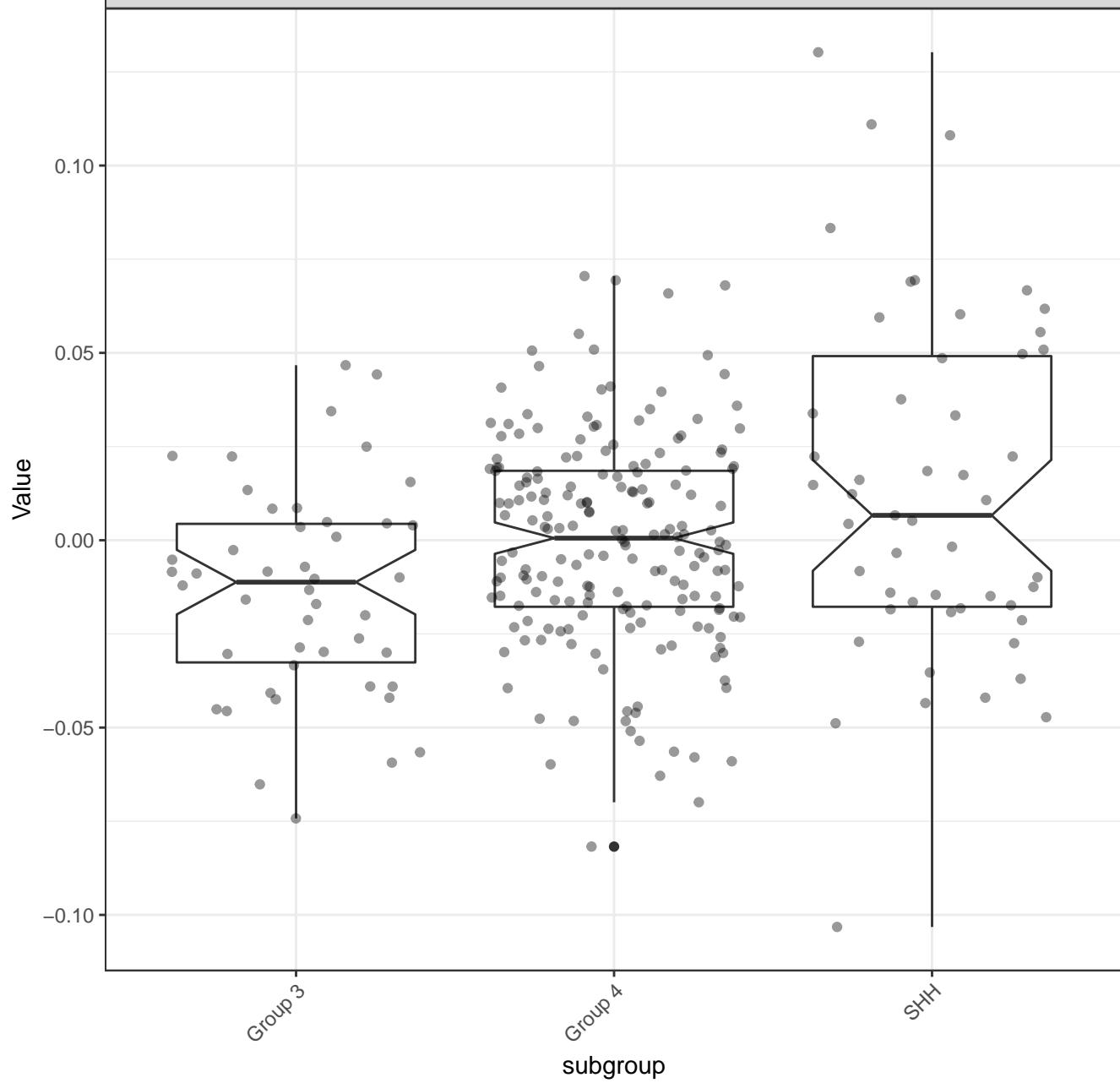
subgroup



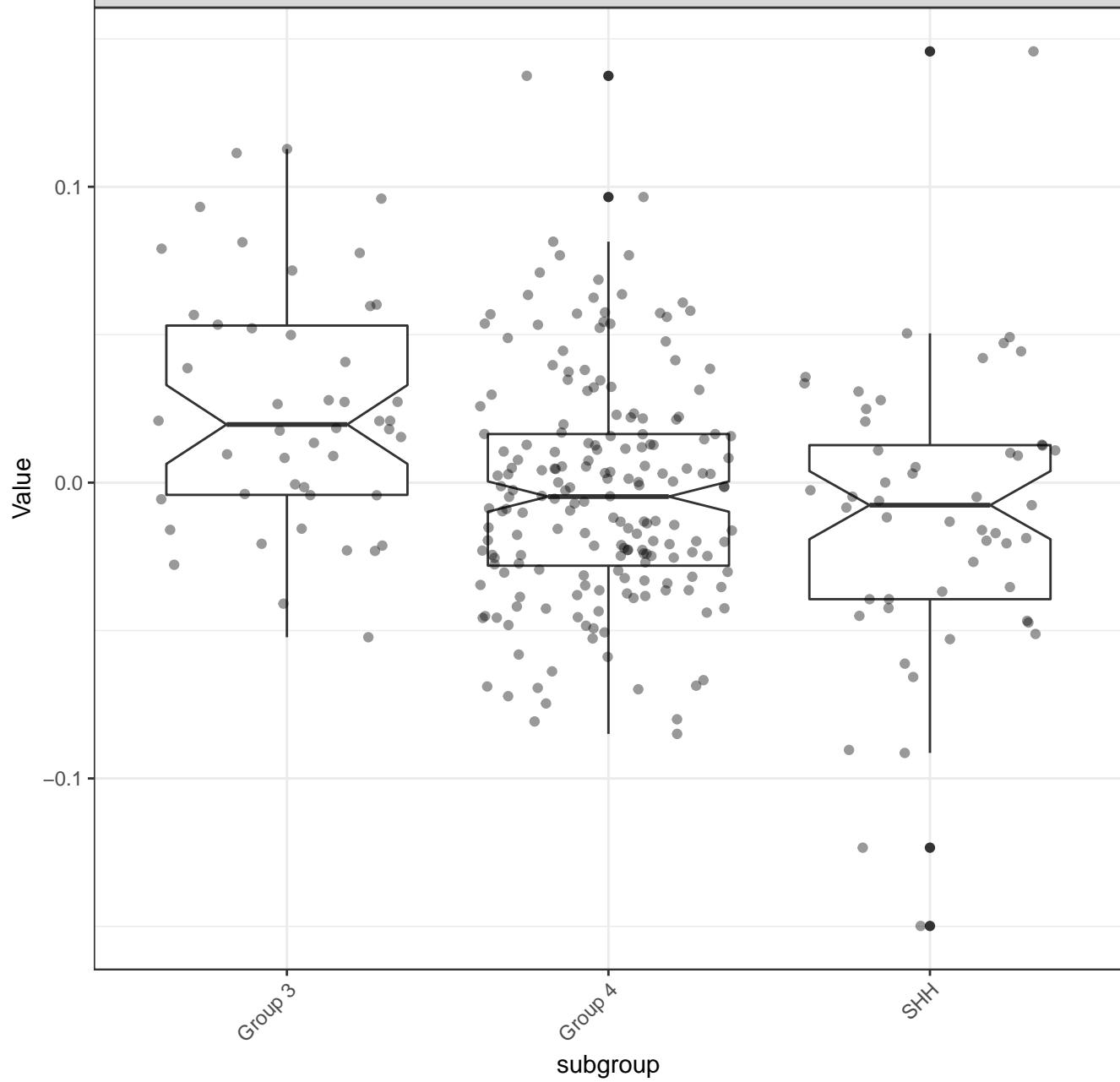
LV 604



605,ST_B_CELL_ANTIGEN_RECECTOR



LV 606



LV 607

Value

0.1

0.0

-0.1

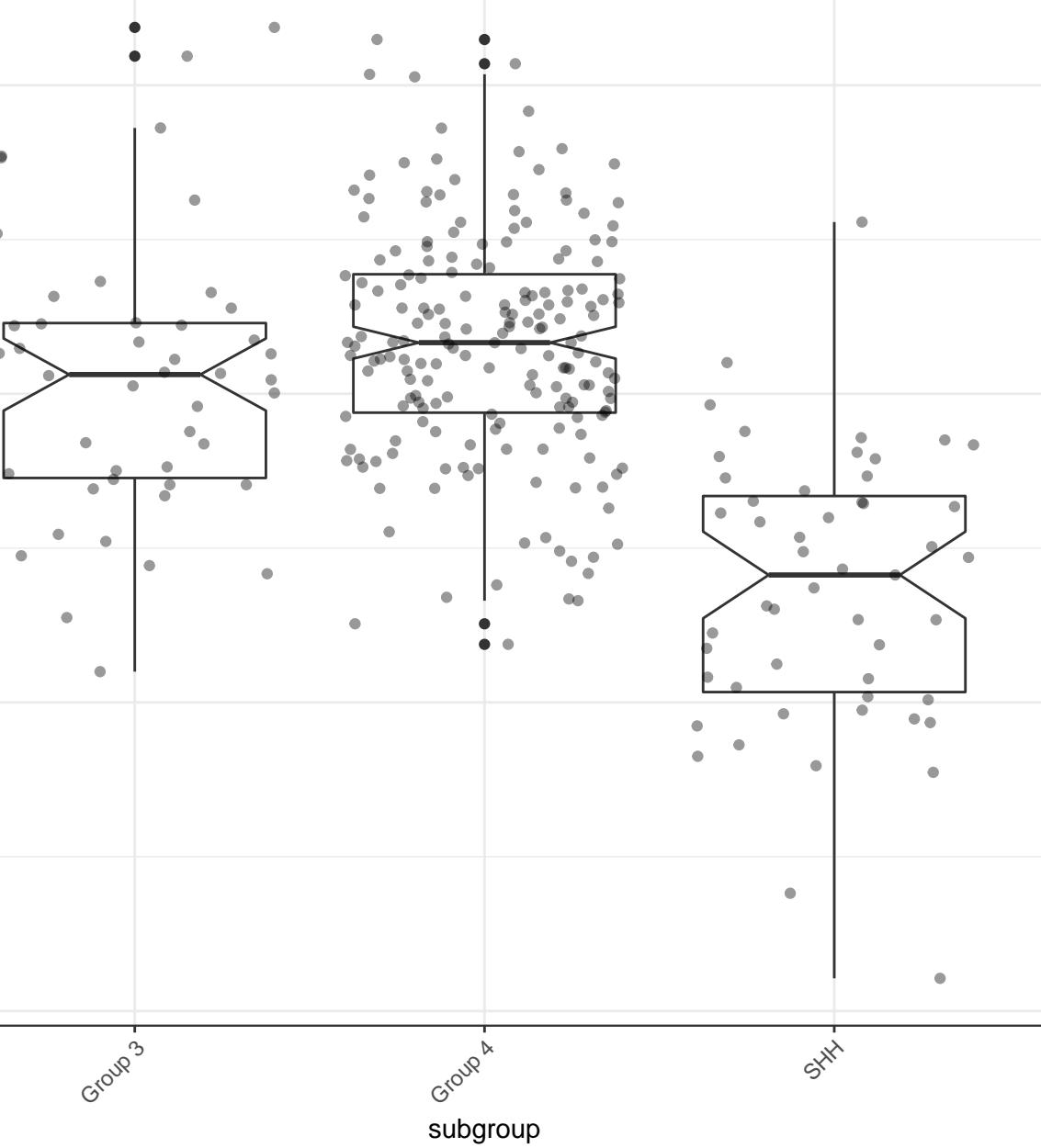
-0.2

Group³

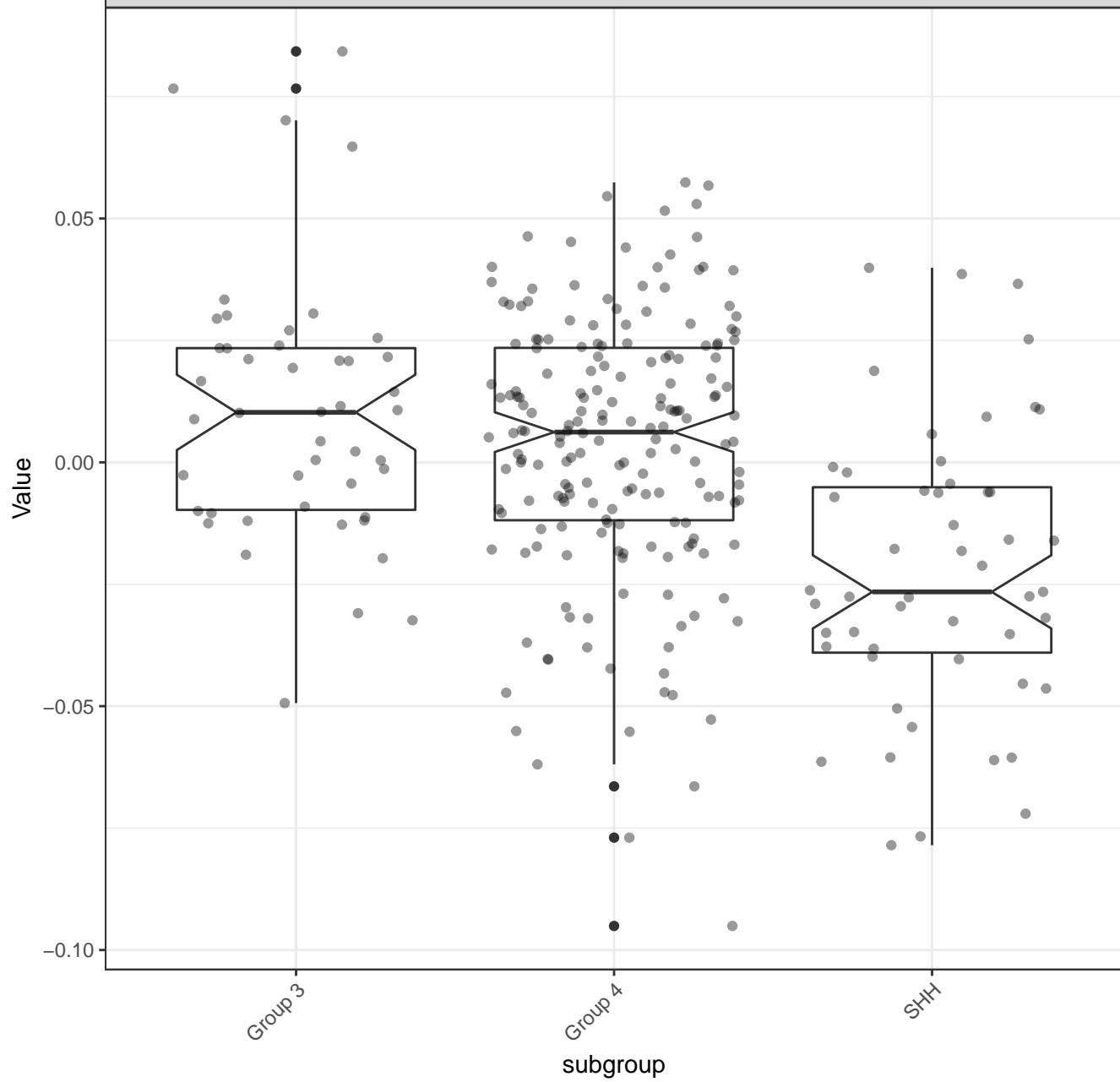
Group⁴

SHH

subgroup



LV 608



LV 609

Value

0.10

0.05

0.00

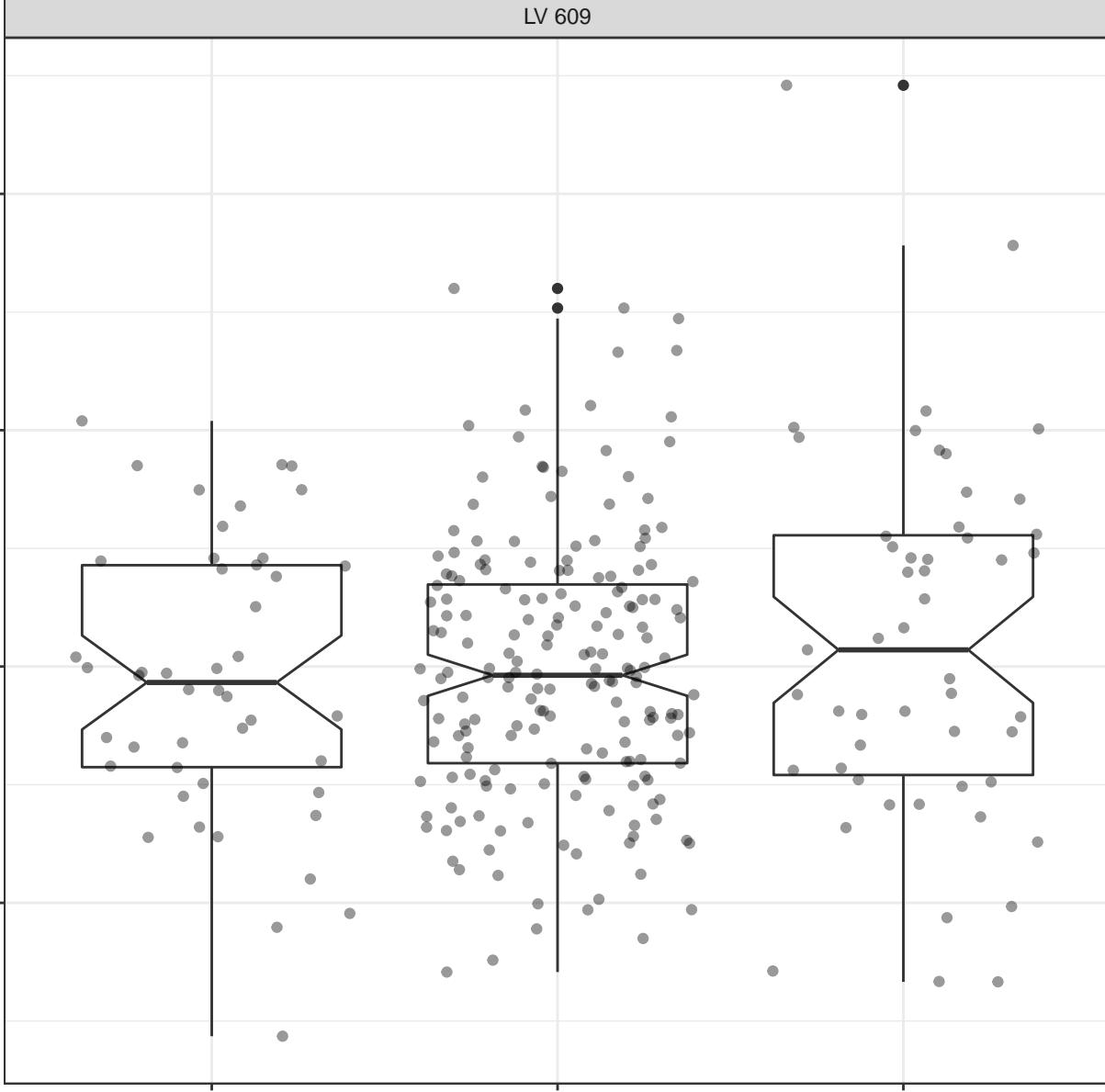
-0.05

Group 3

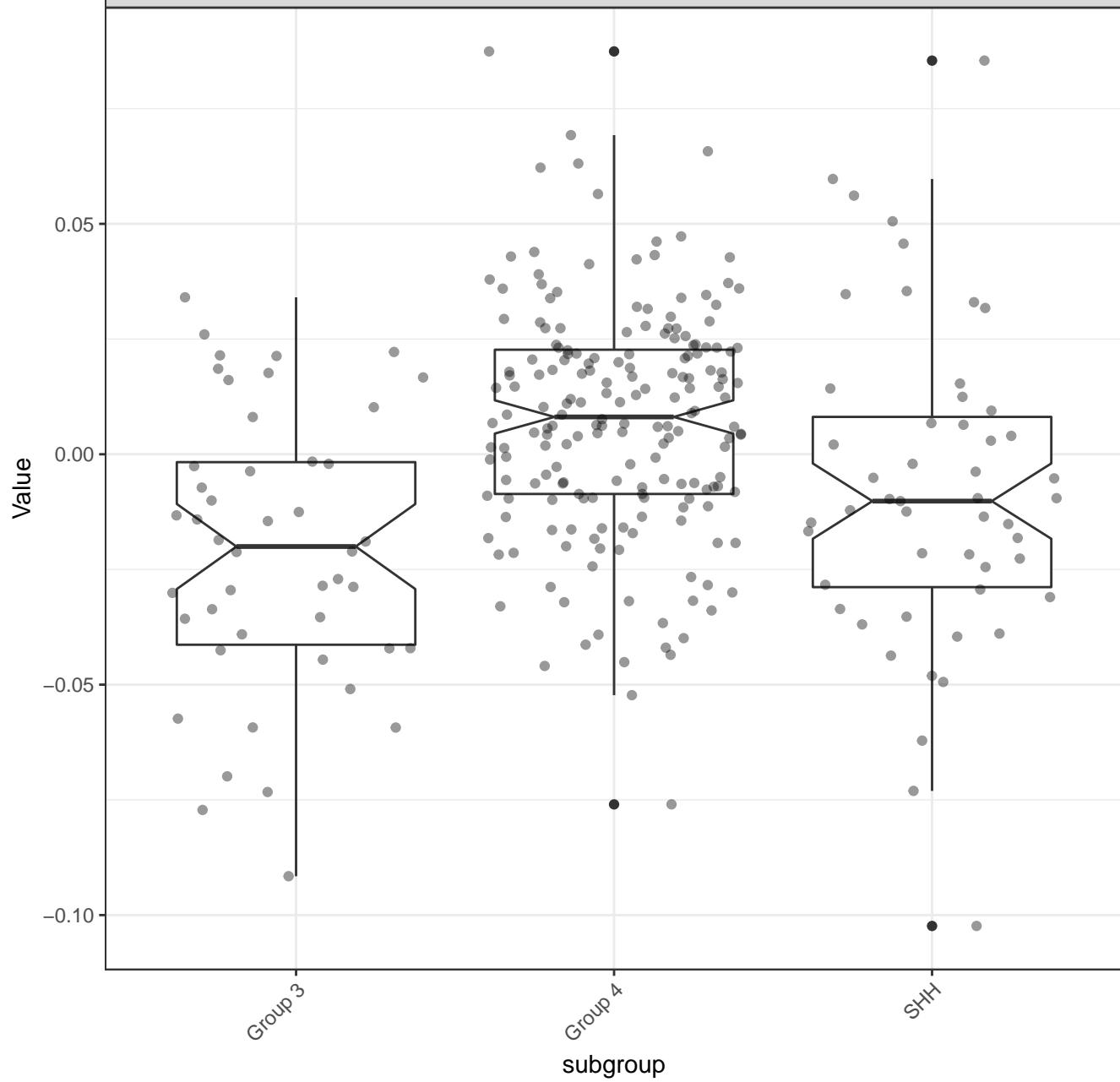
Group 4

SHH

subgroup



LV 610



LV 611

Value

0.10

0.05

0.00

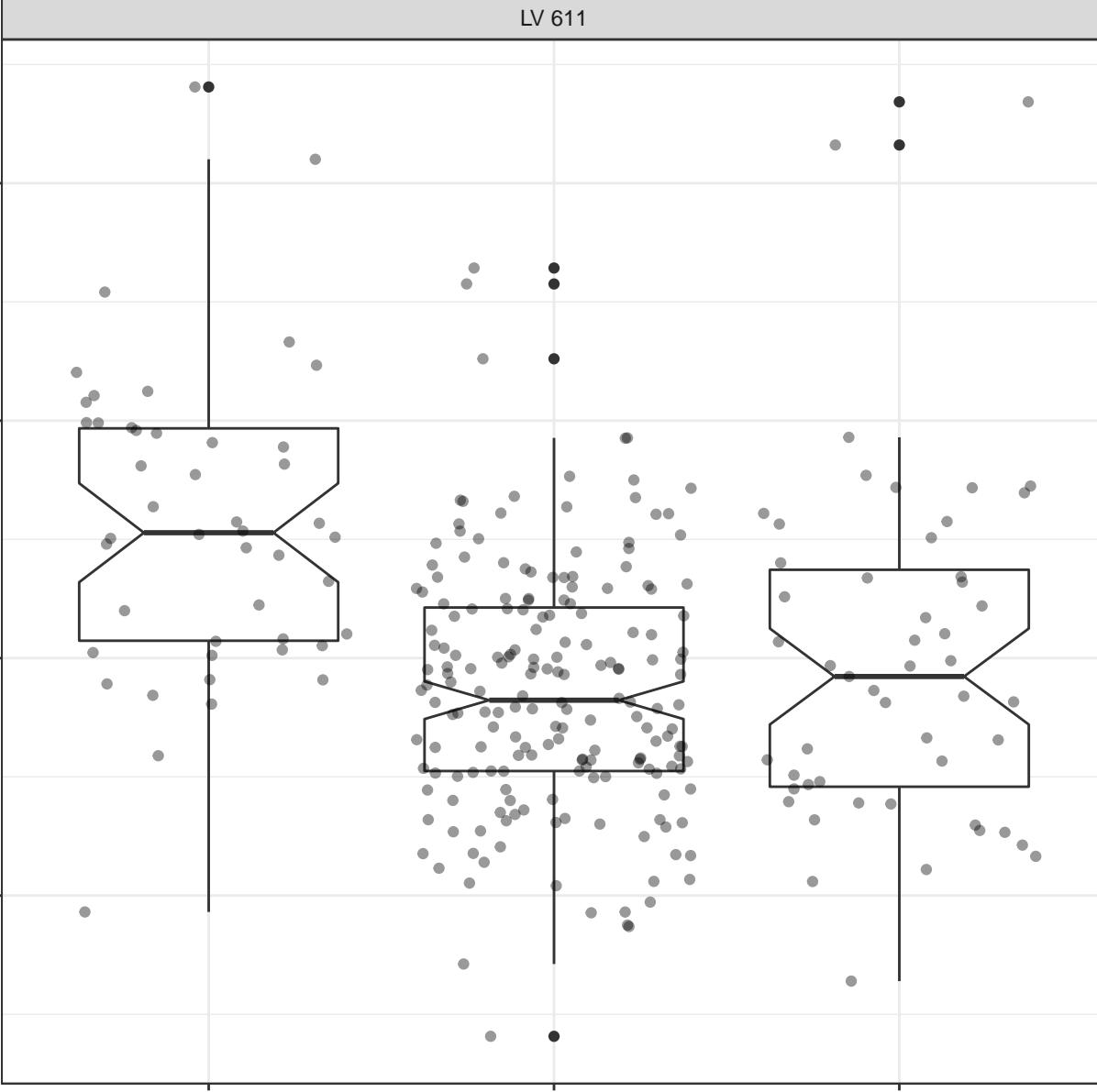
-0.05

Group 3

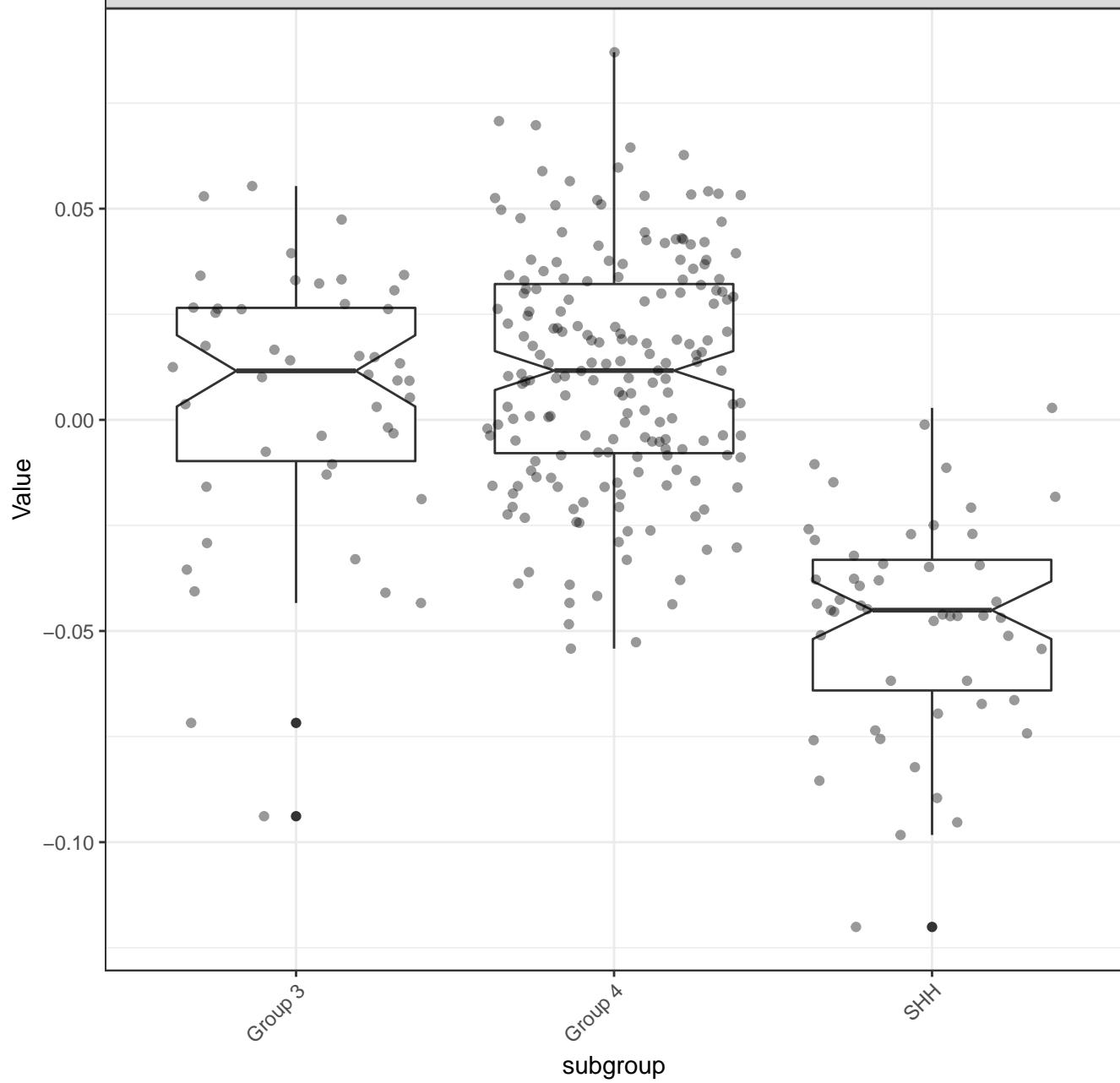
subgroup

Group 4

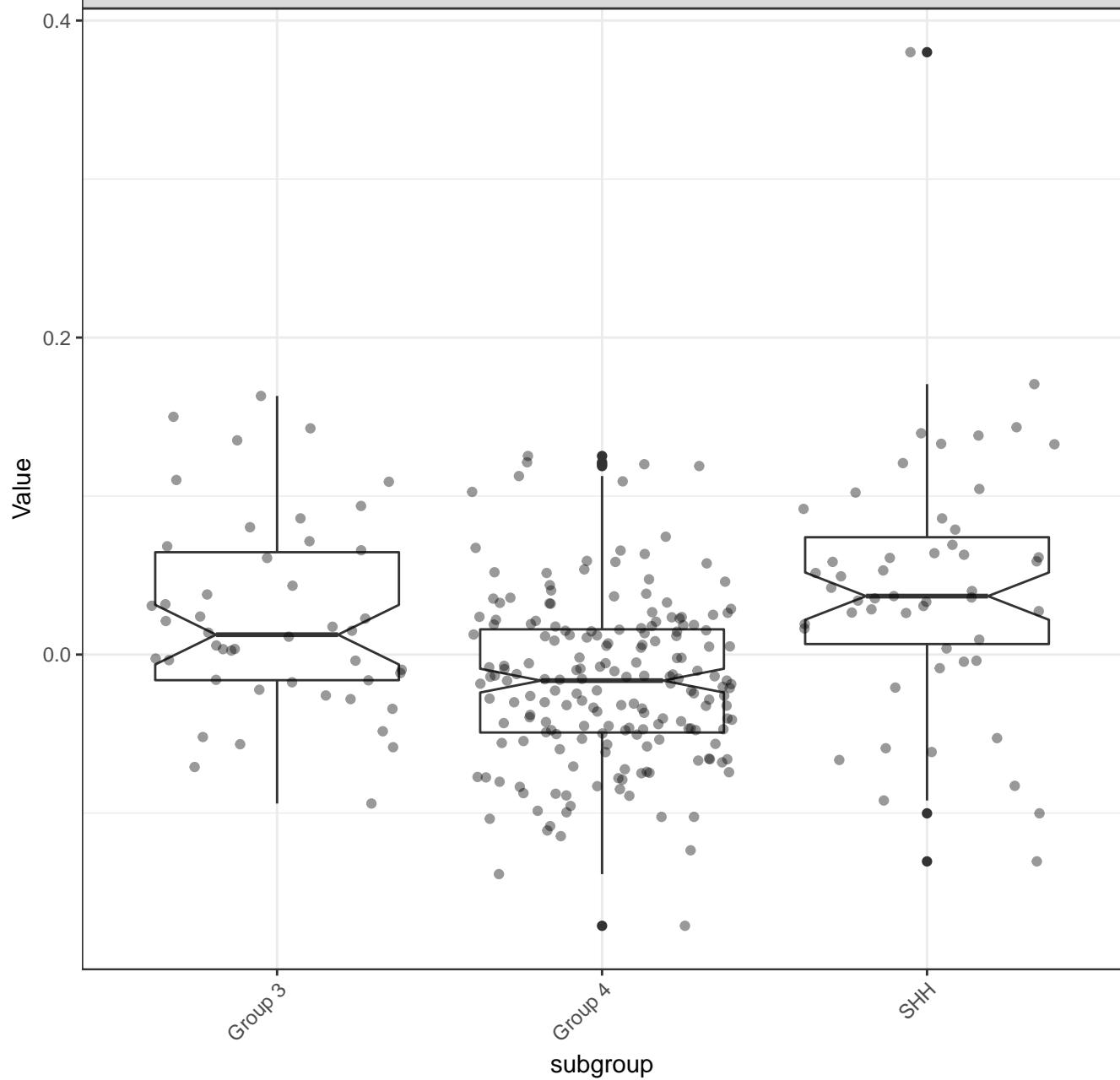
SHH



612,REACTOME_GAB1_SIGNALOSOME



613,KEGG_LYSOSOME



LV 614

Value

0.10

0.05

0.00

-0.05

-0.10

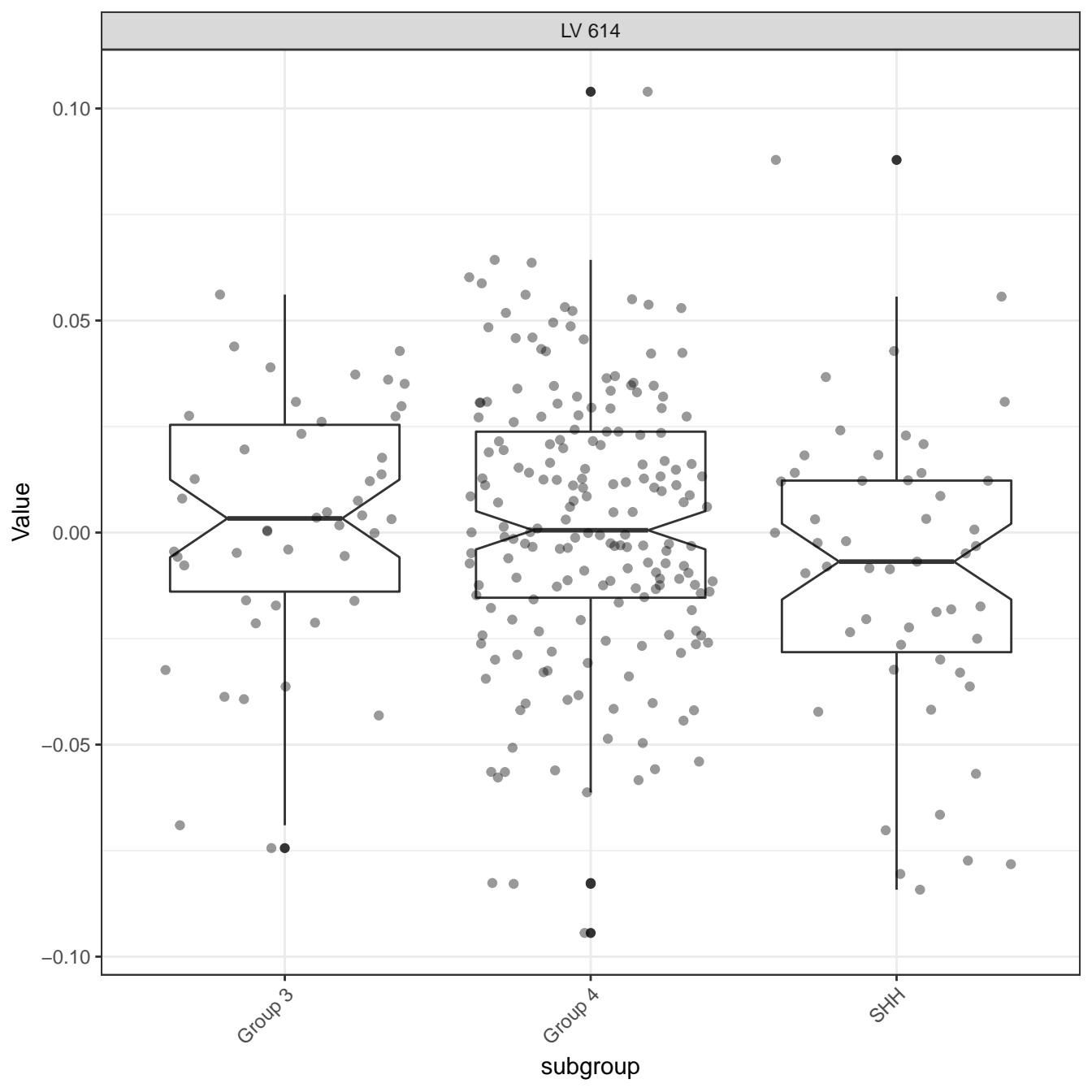
Group 3

subgroup

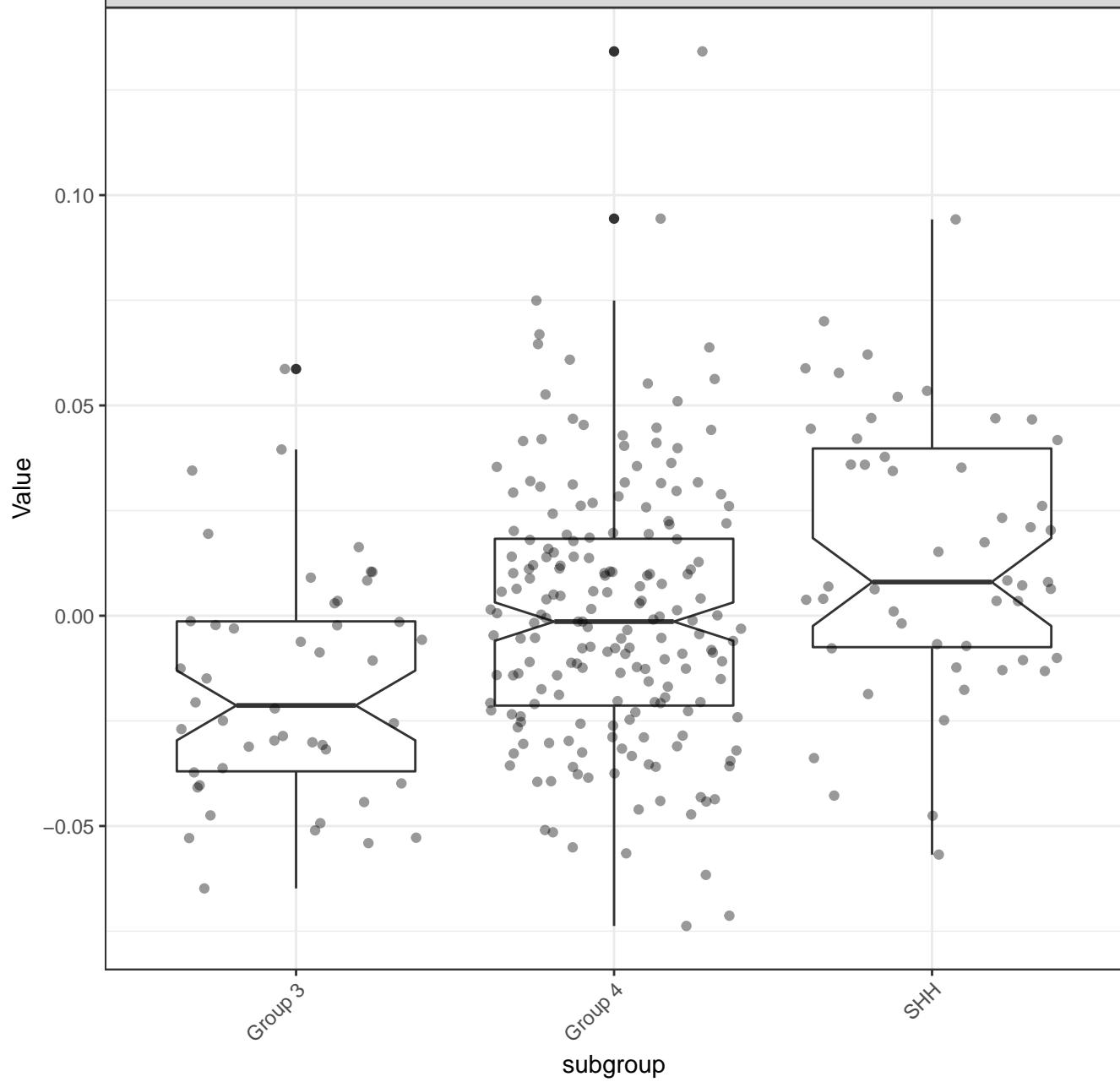
SHH

Group 4

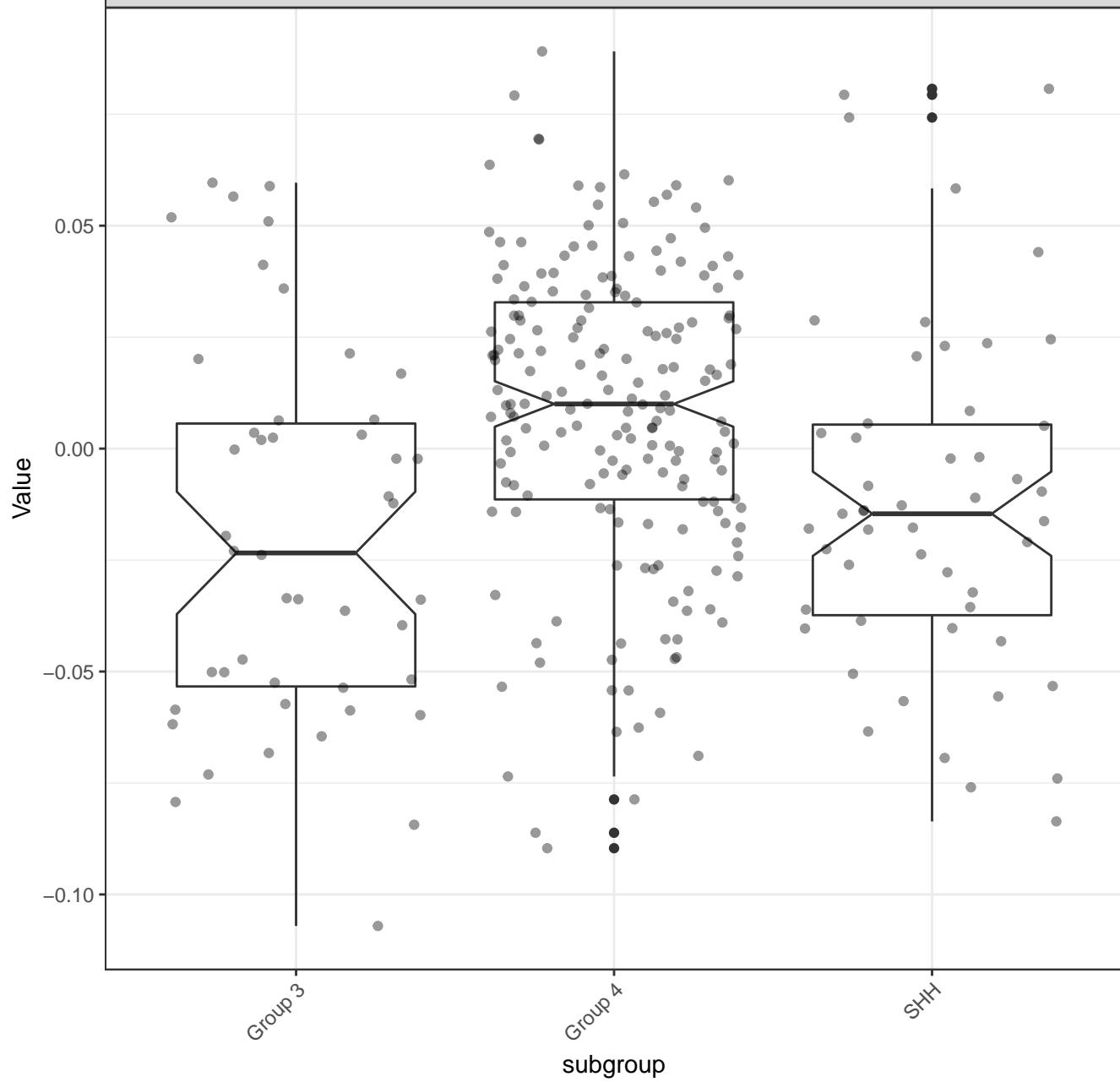
subgroup



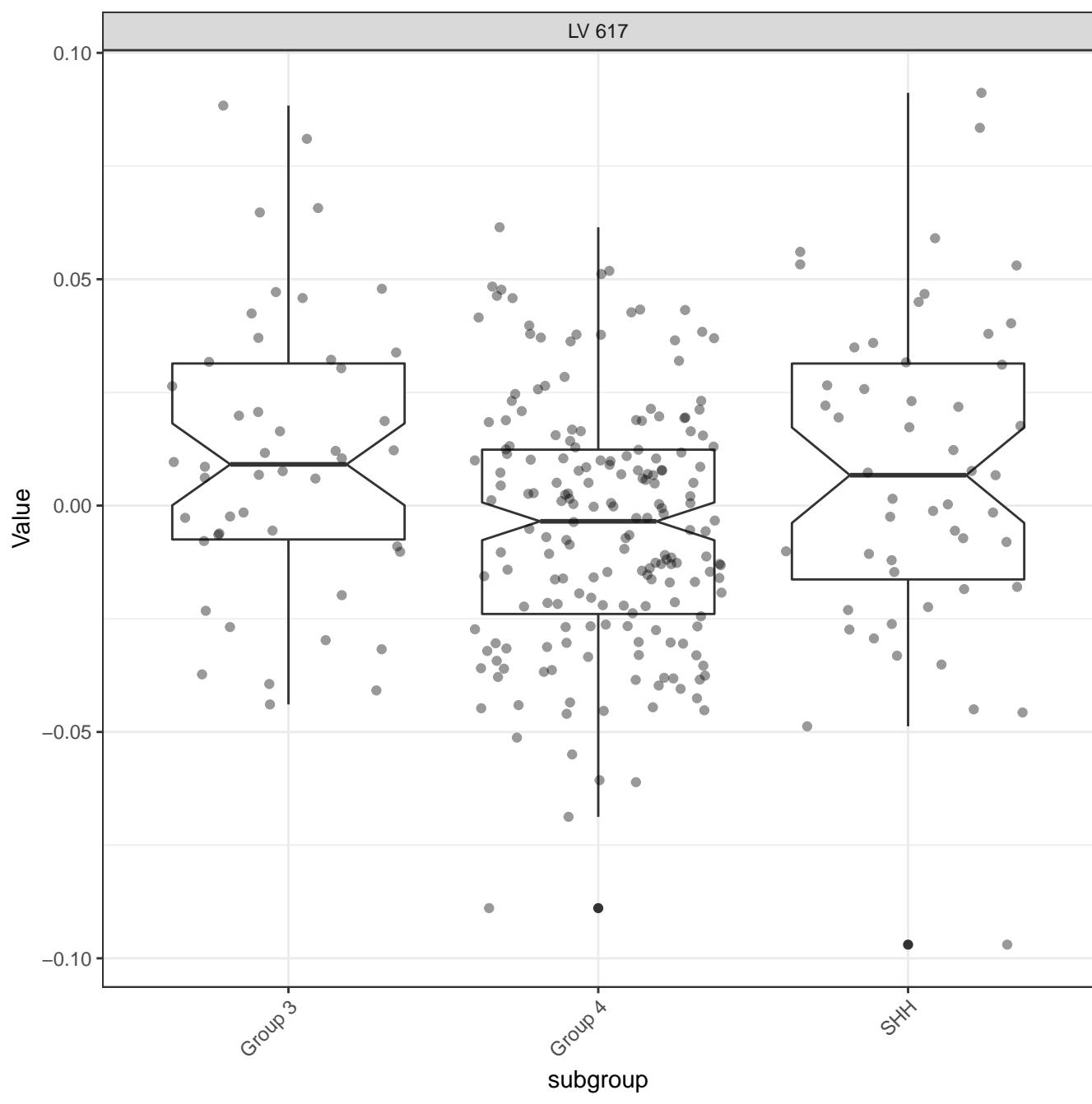
LV 615



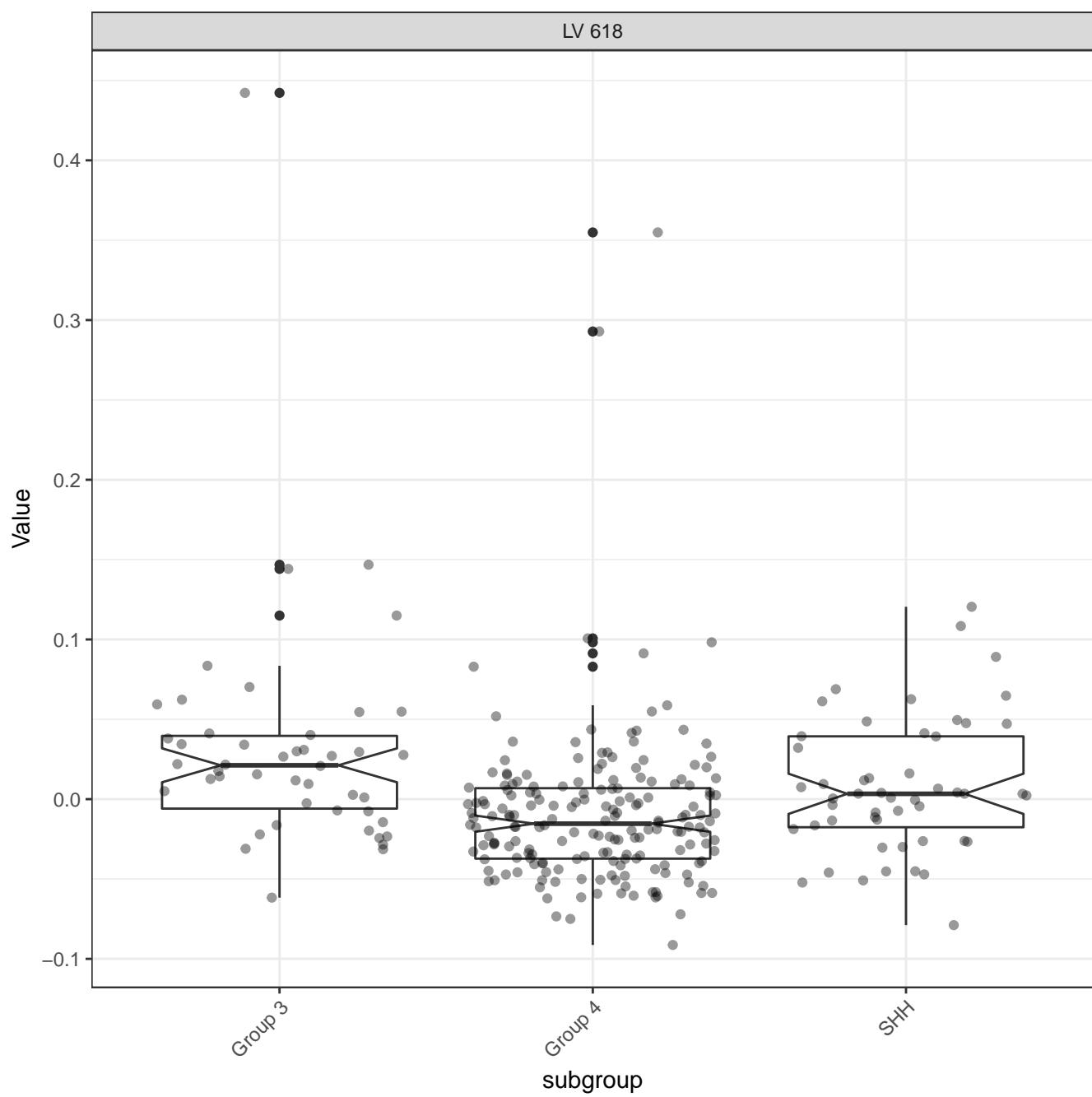
LV 616



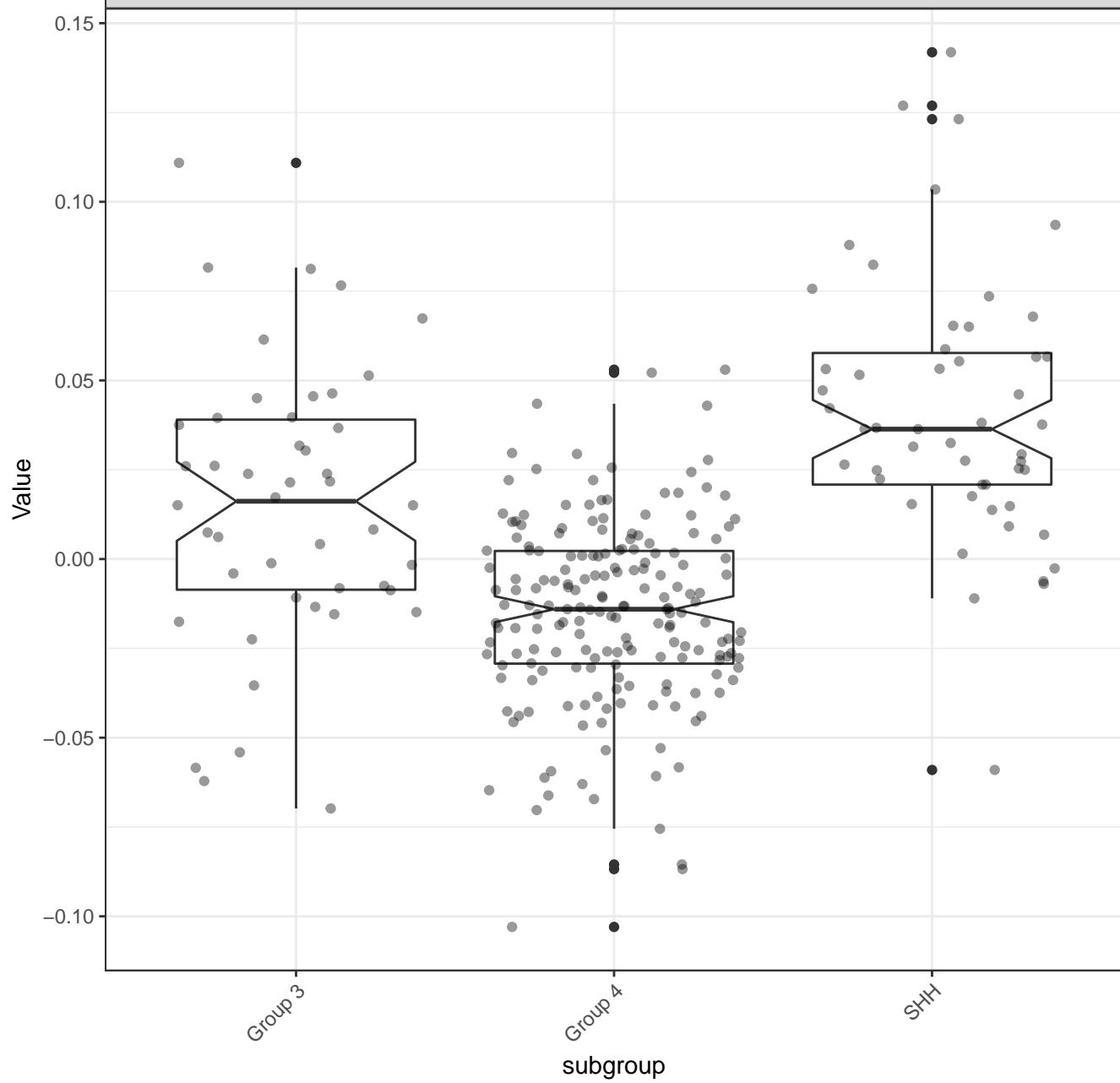
LV 617

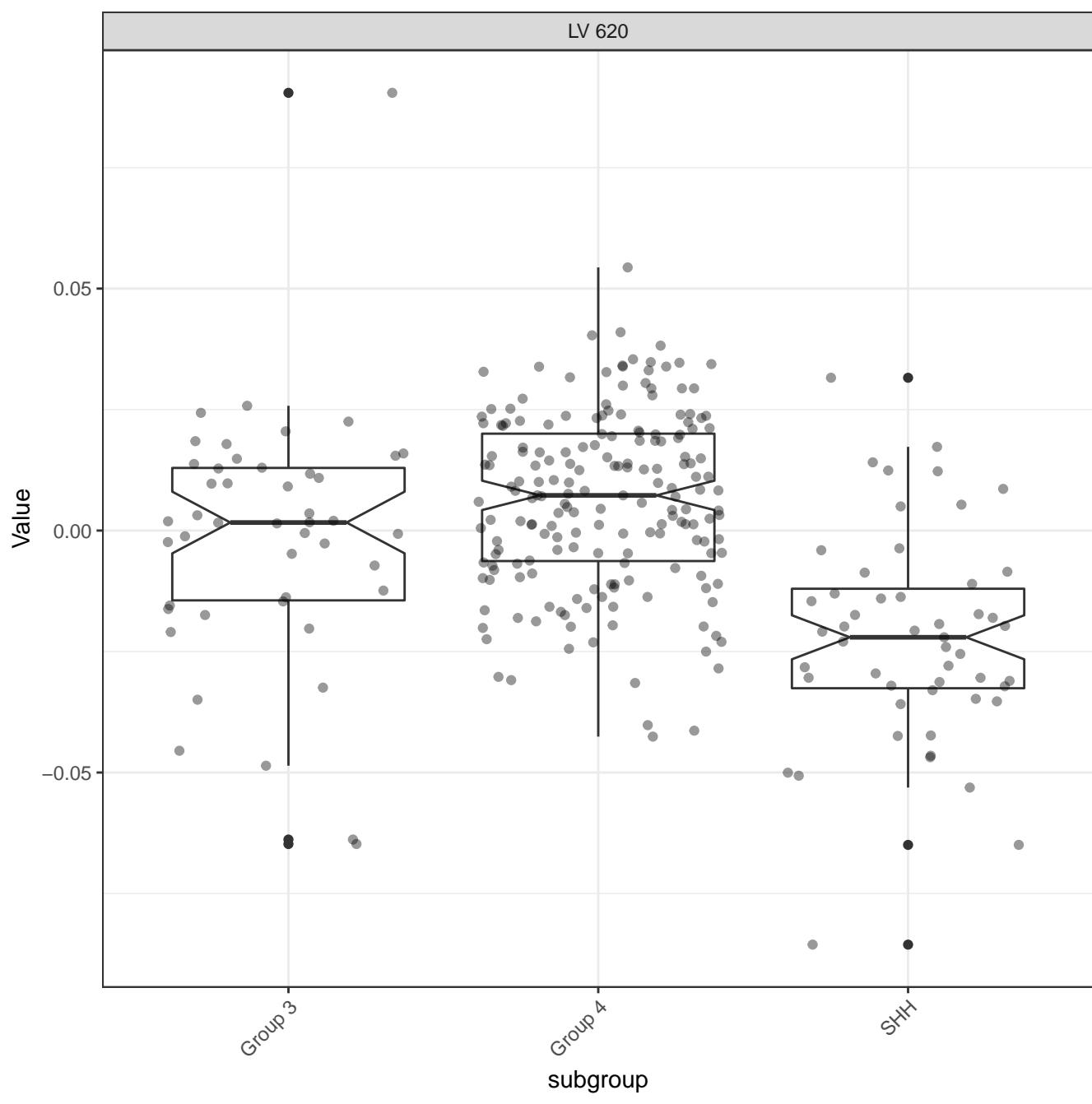


LV 618



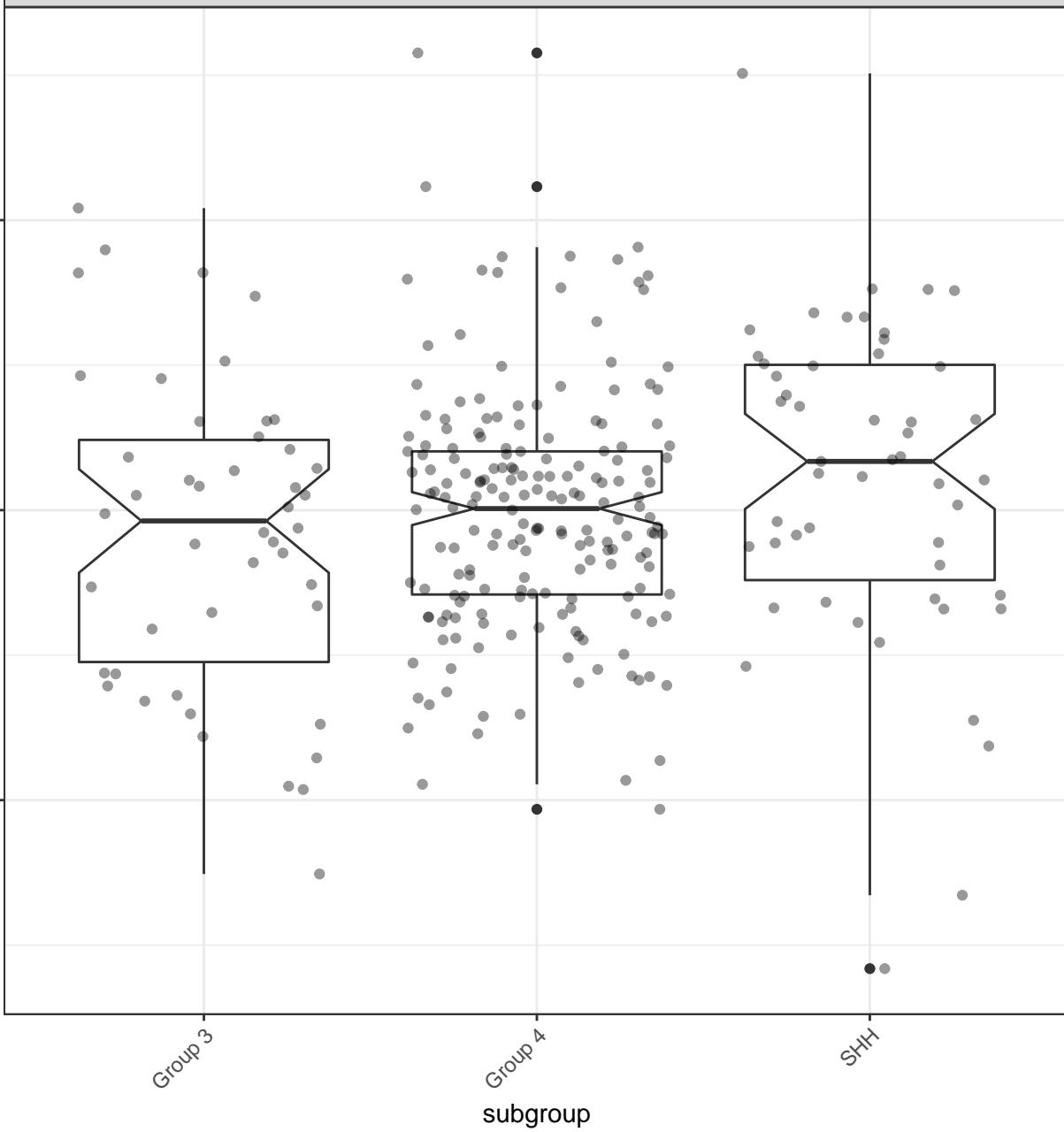
LV 619



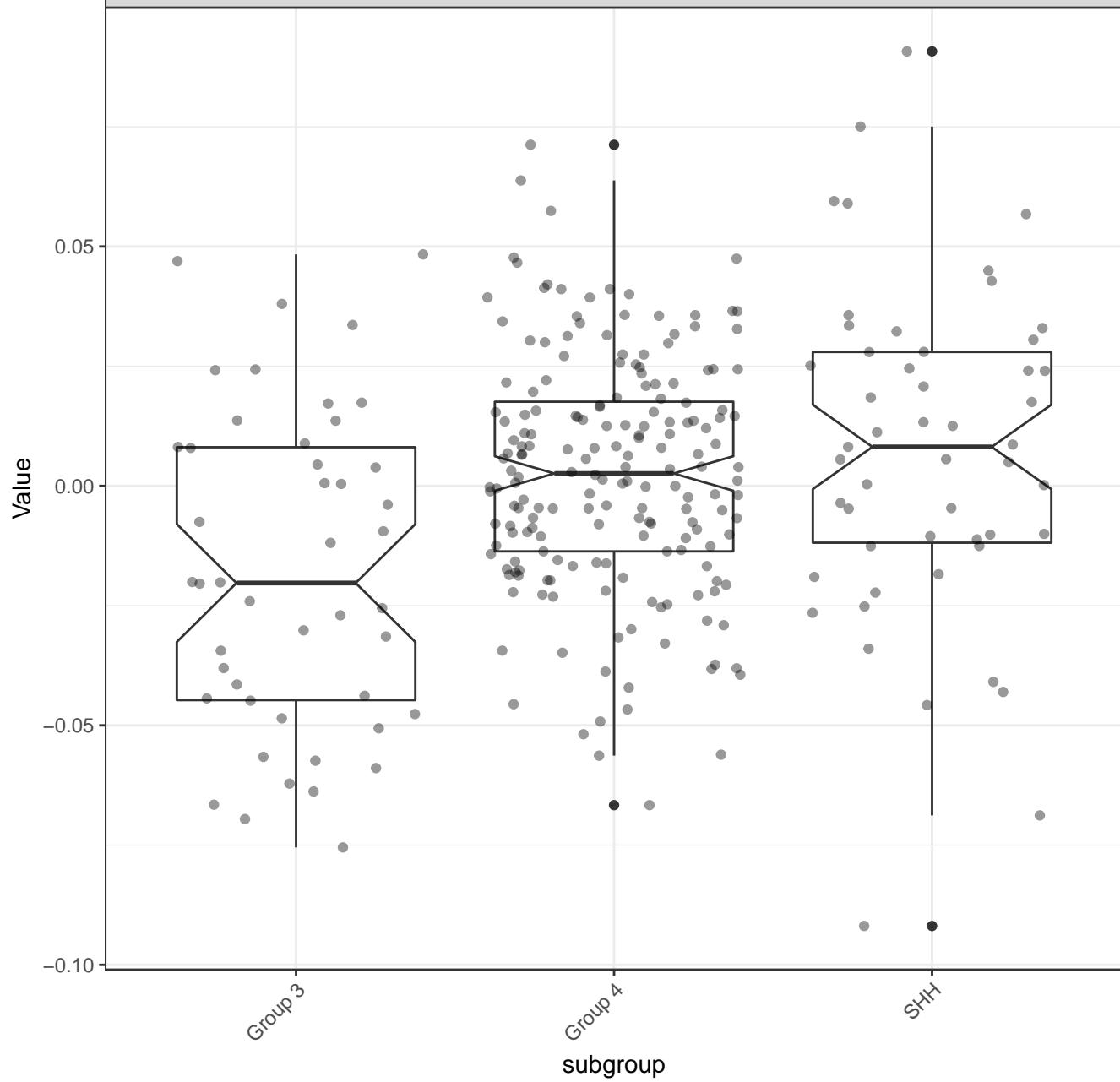


LV 621

Value



LV 622



LV 623

Vvalue

0.08

0.04

0.00

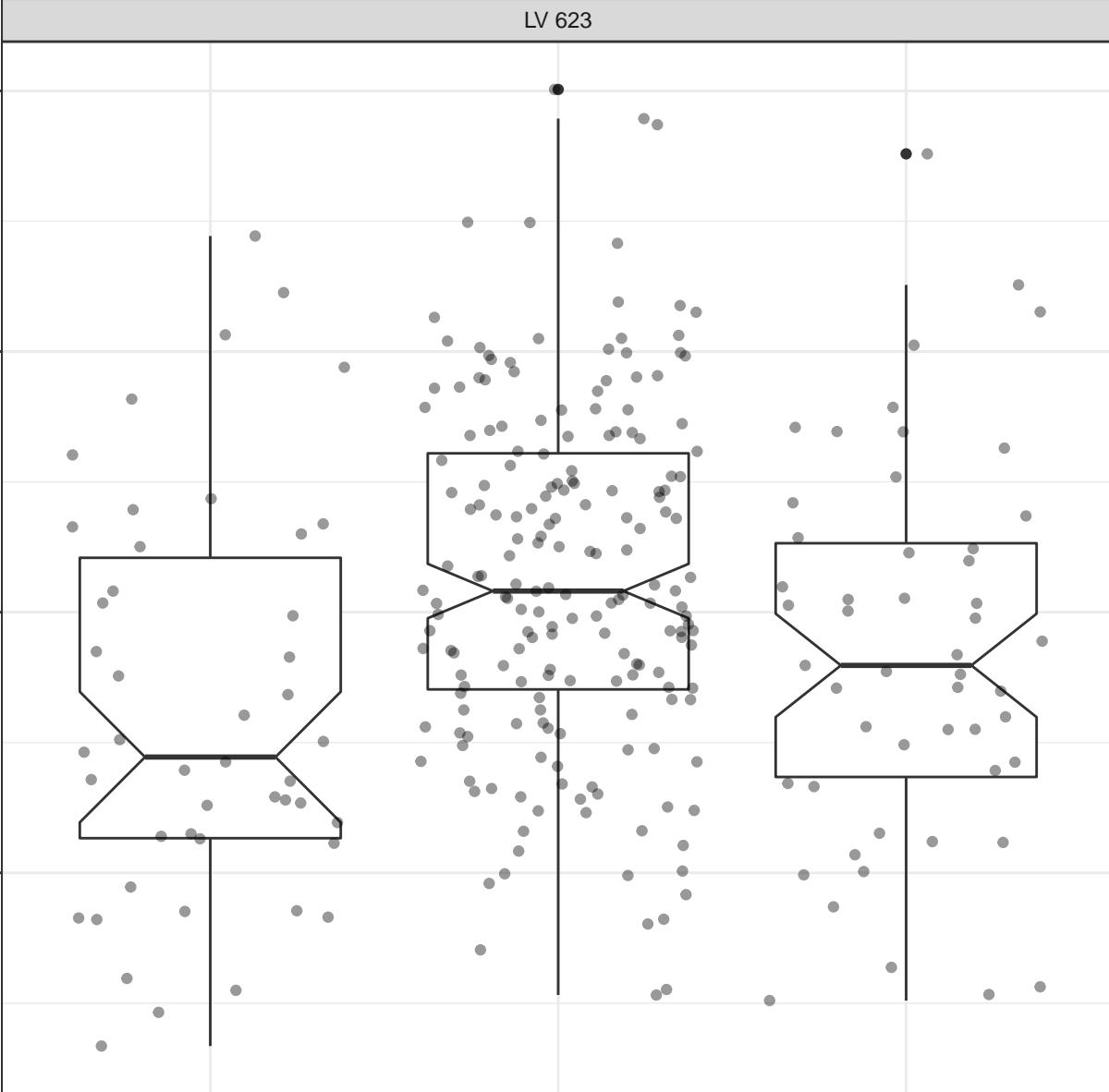
-0.04

Group 3

Group 4

SHH

subgroup



Value

0.2

0.1

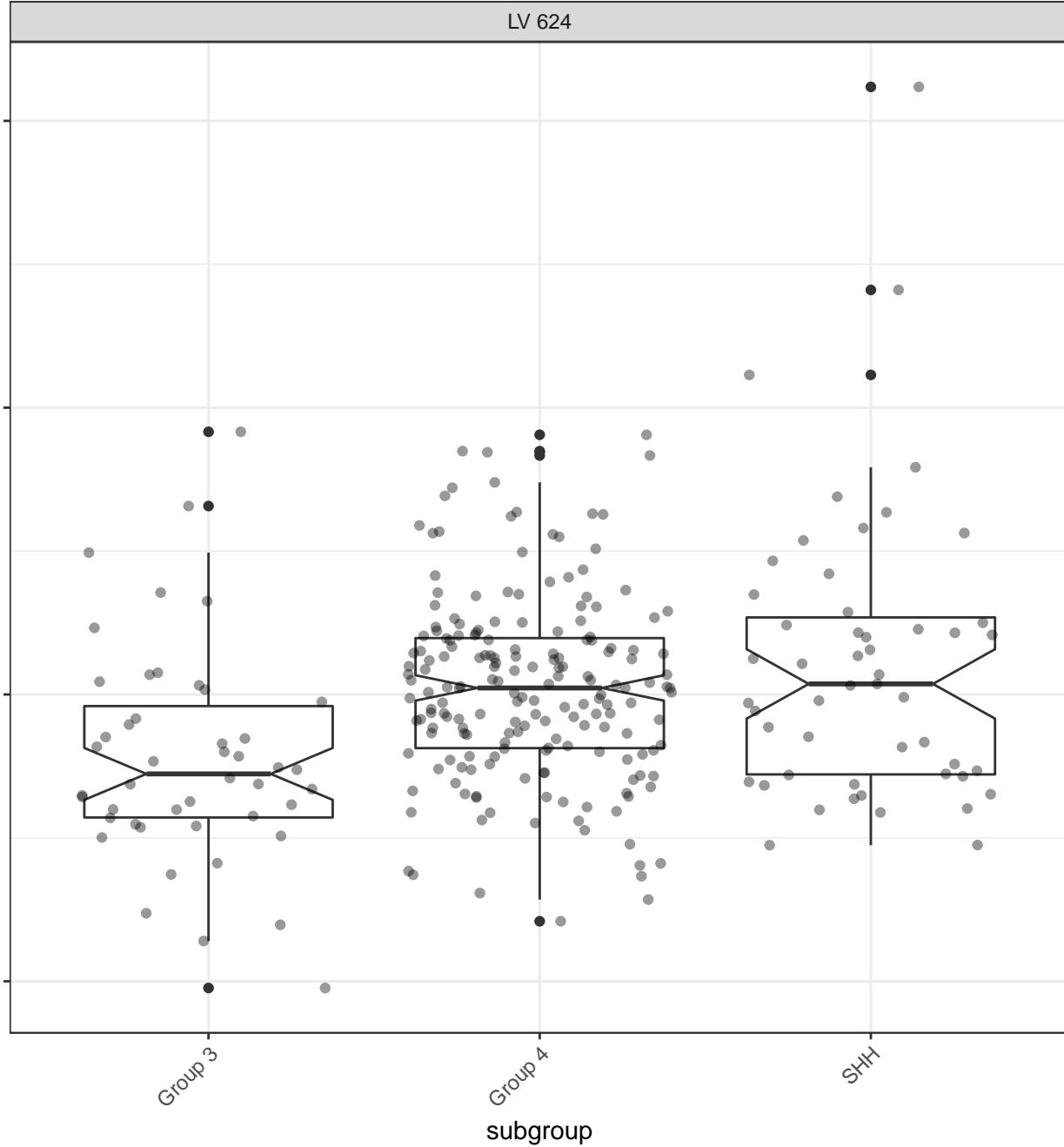
0.0

-0.1

Group³Group⁴

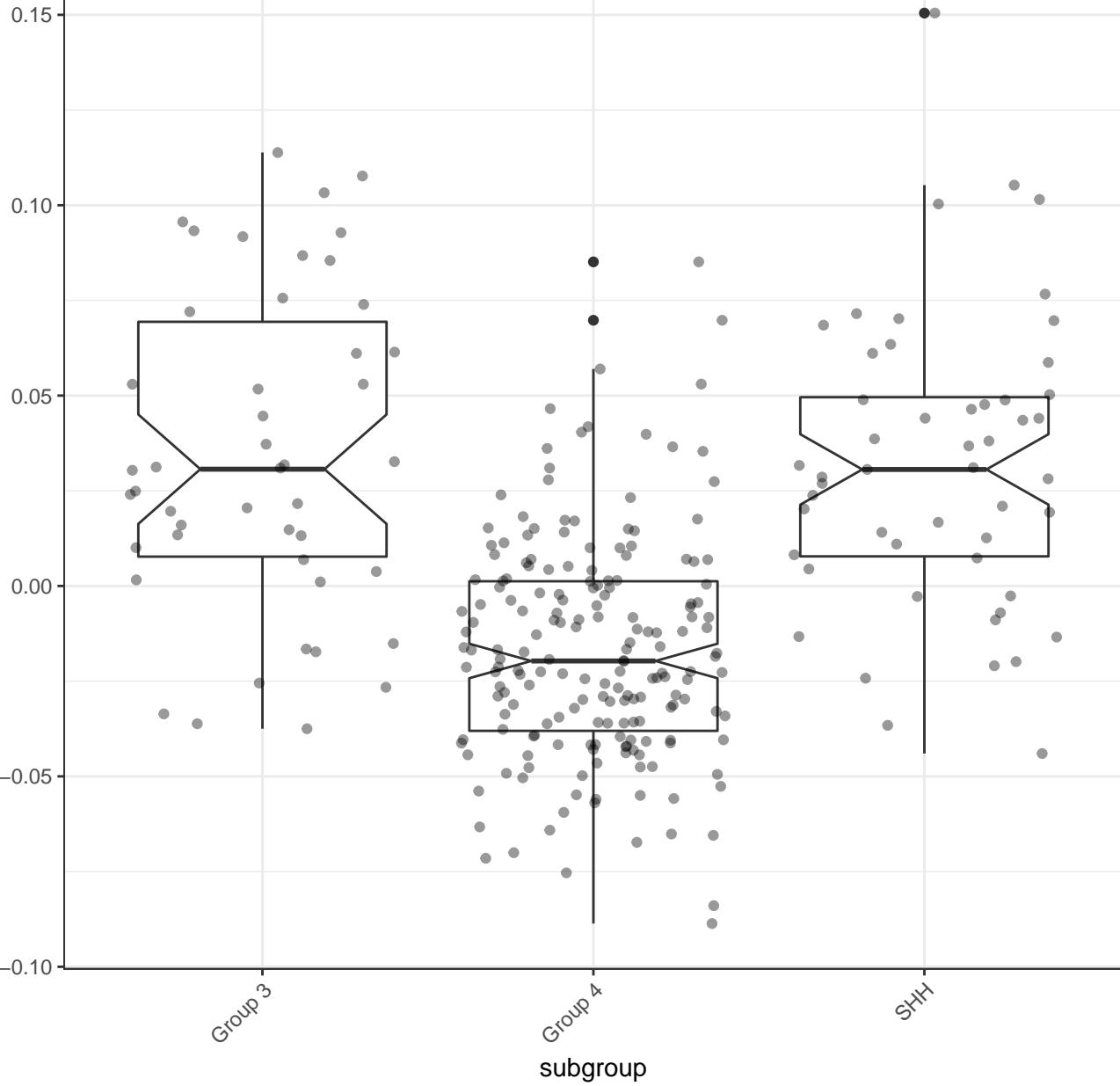
SHH

subgroup

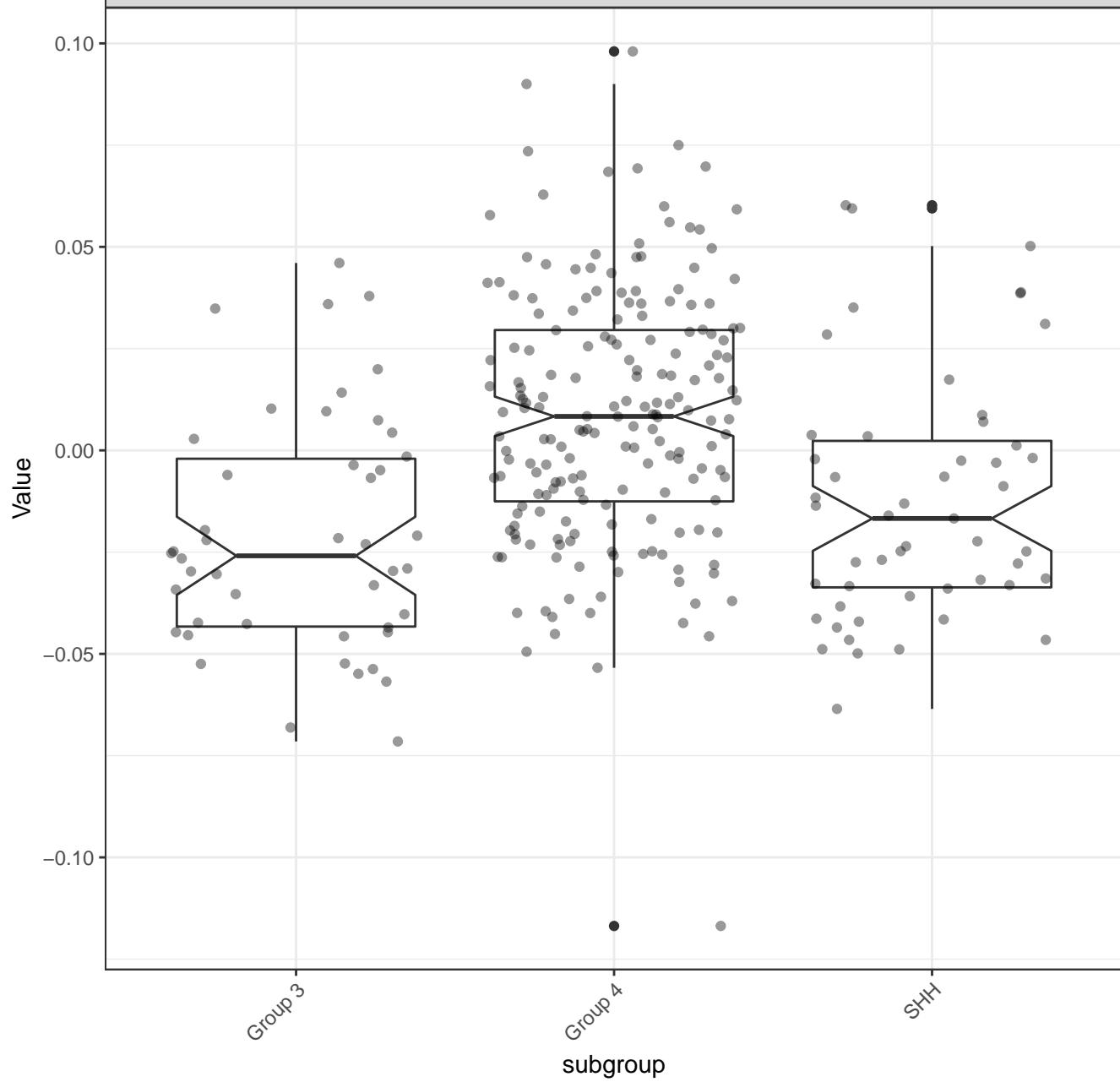


LV 625

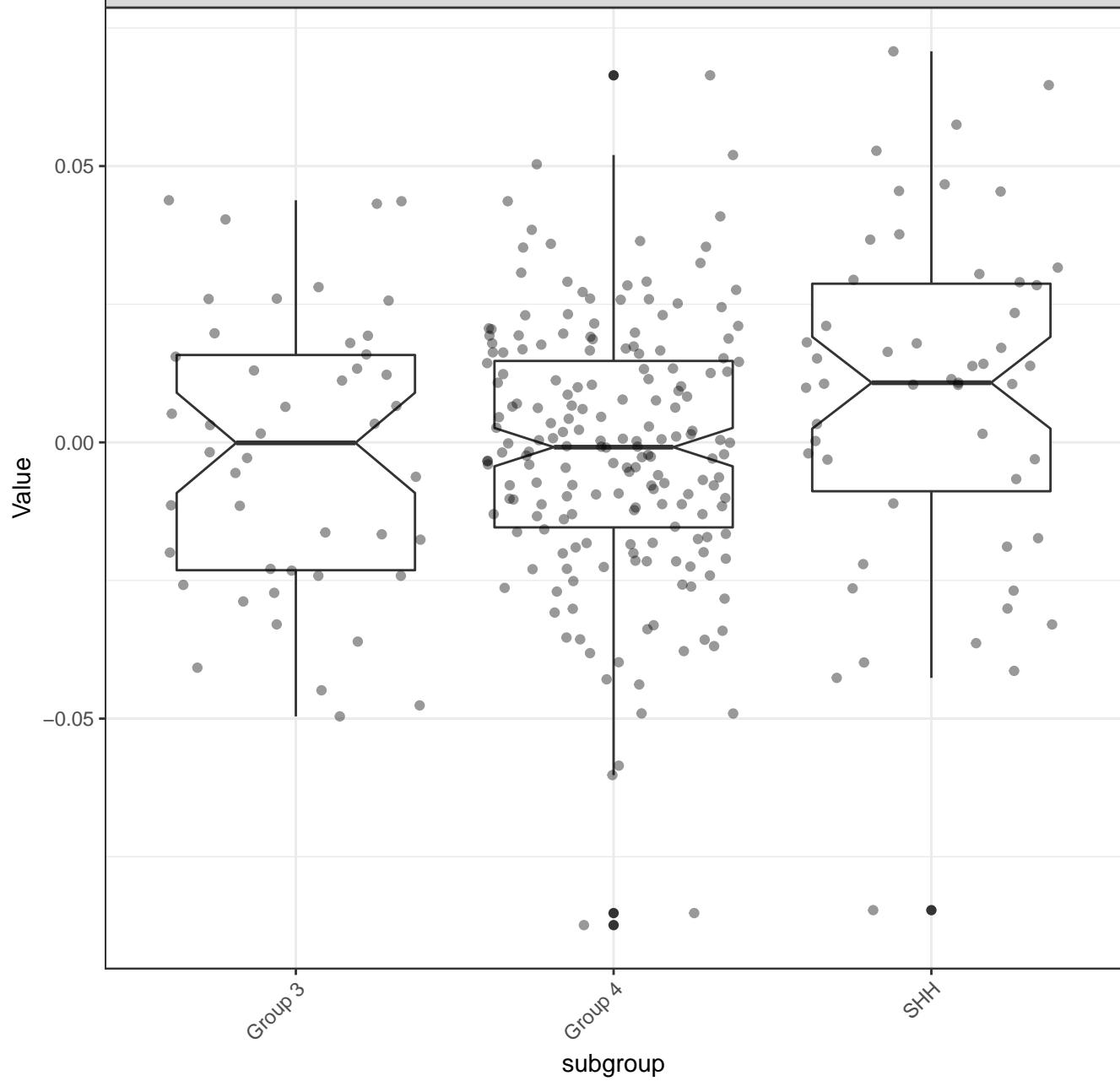
Value



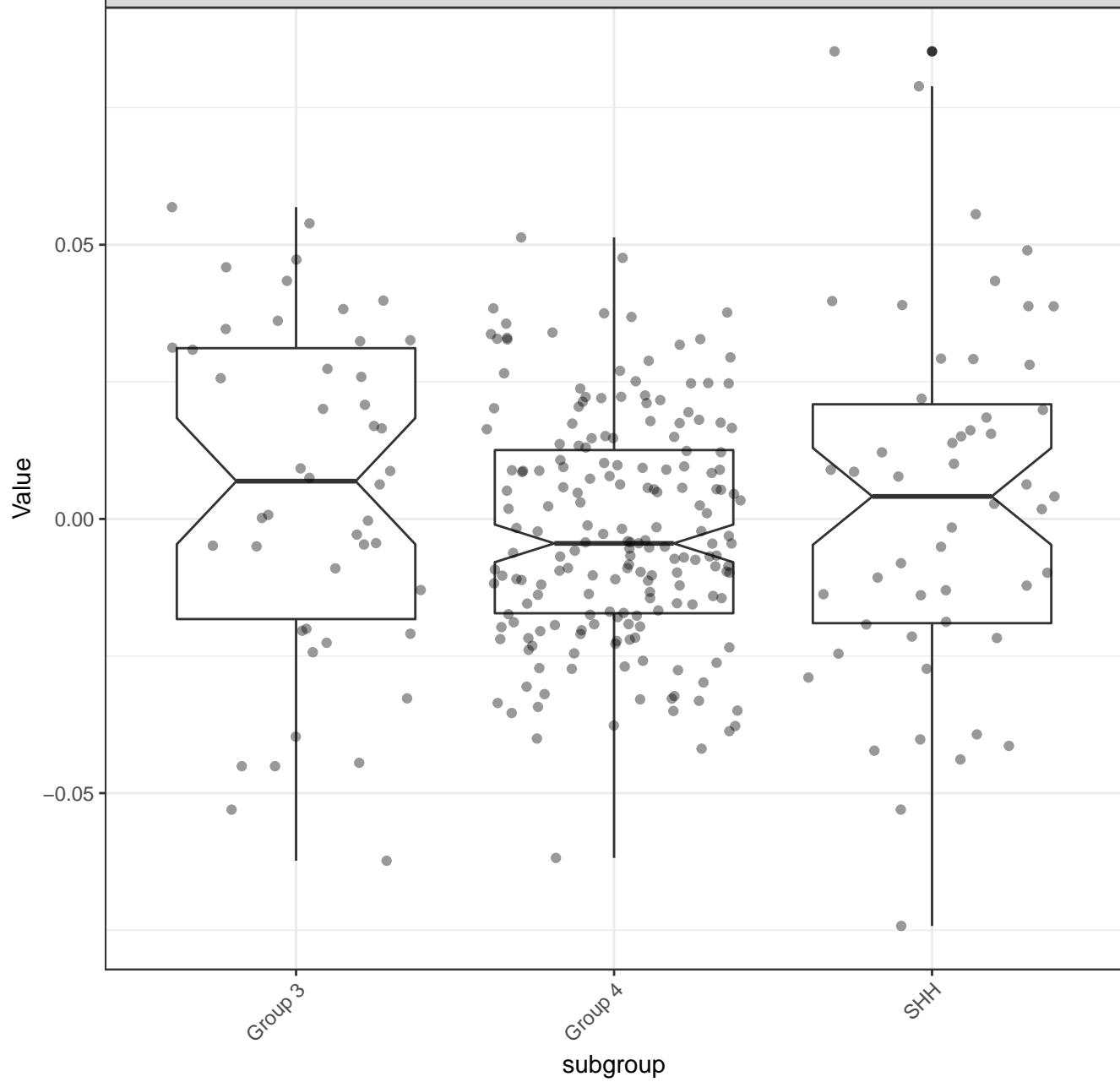
LV 626

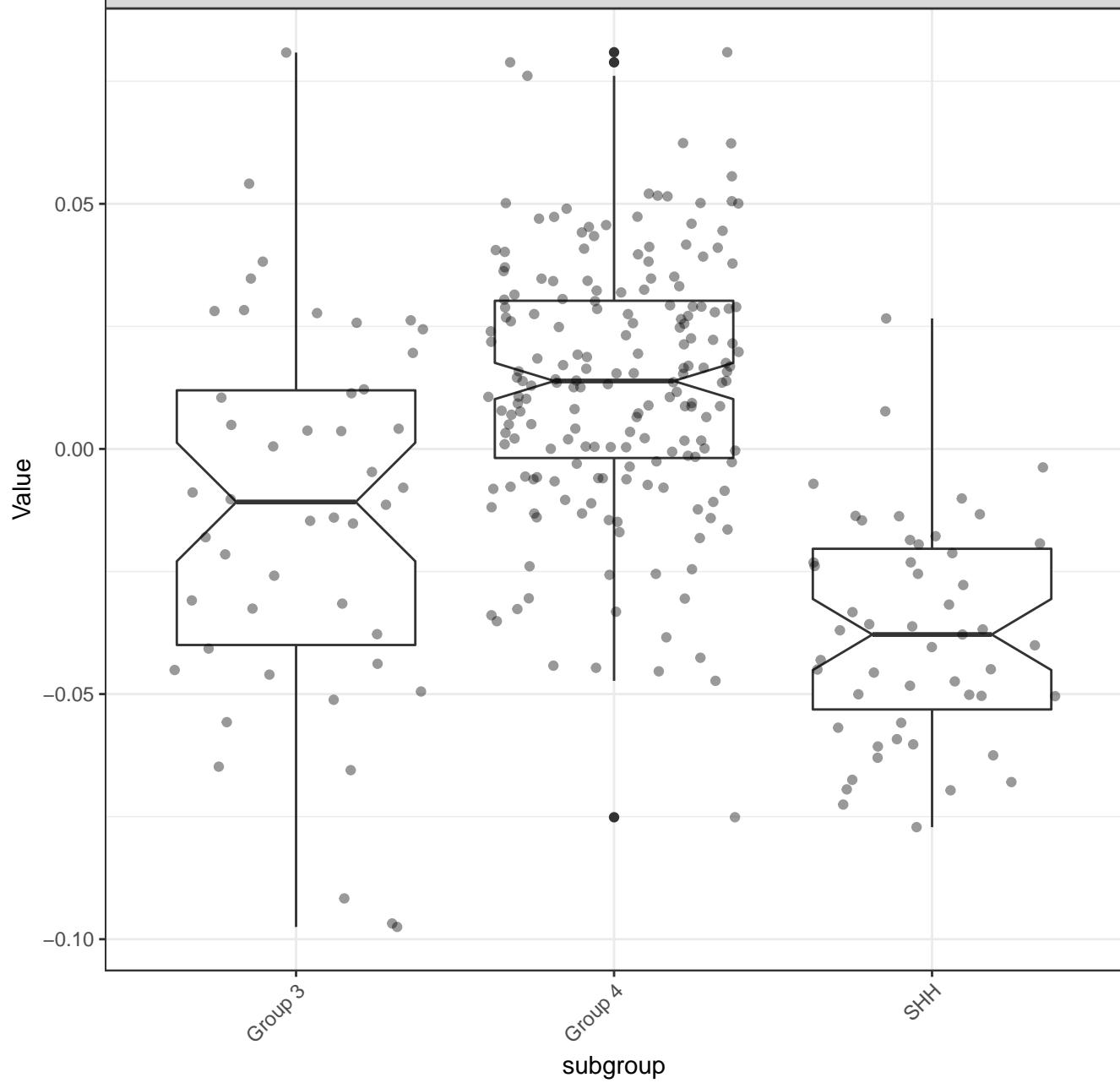


LV 627



LV 628





LV 630

Value

0.10

0.05

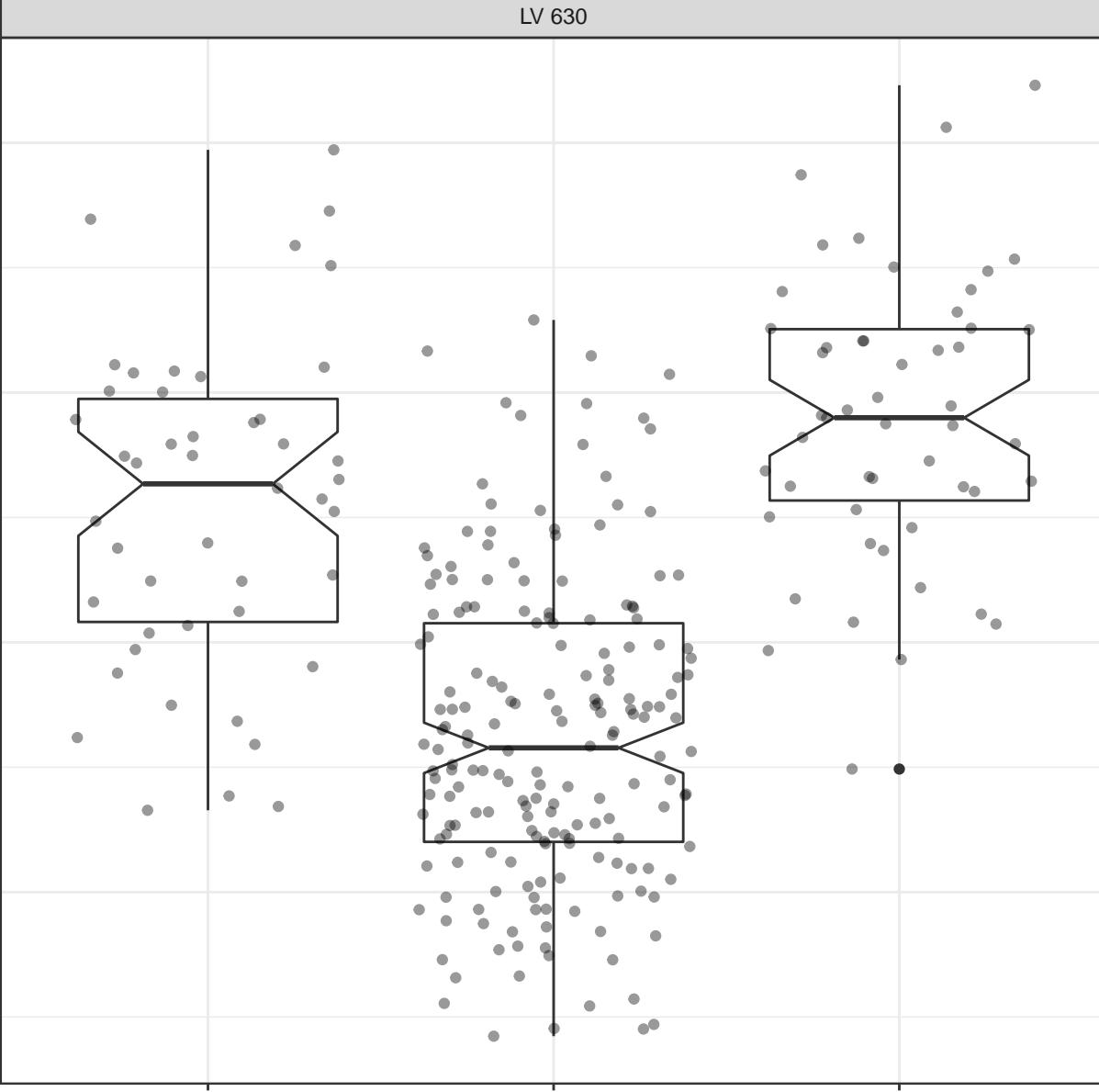
0.00

-0.05

Group 3

subgroup

SHH



LV 631

Value

0.05

0.00

-0.05

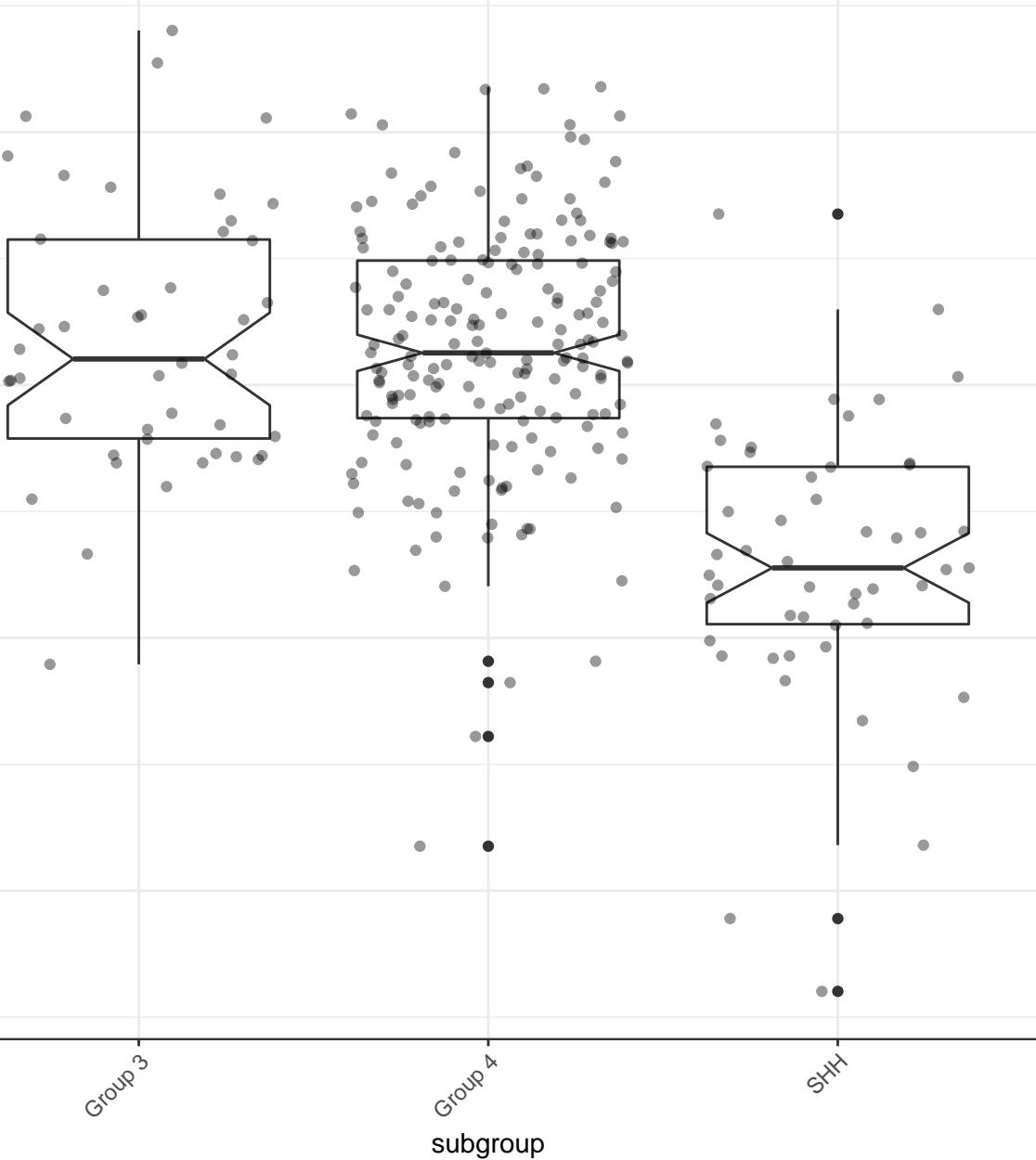
-0.10

Group 3

subgroup

Group 4

SHH



LV 632

Value

0.10

0.05

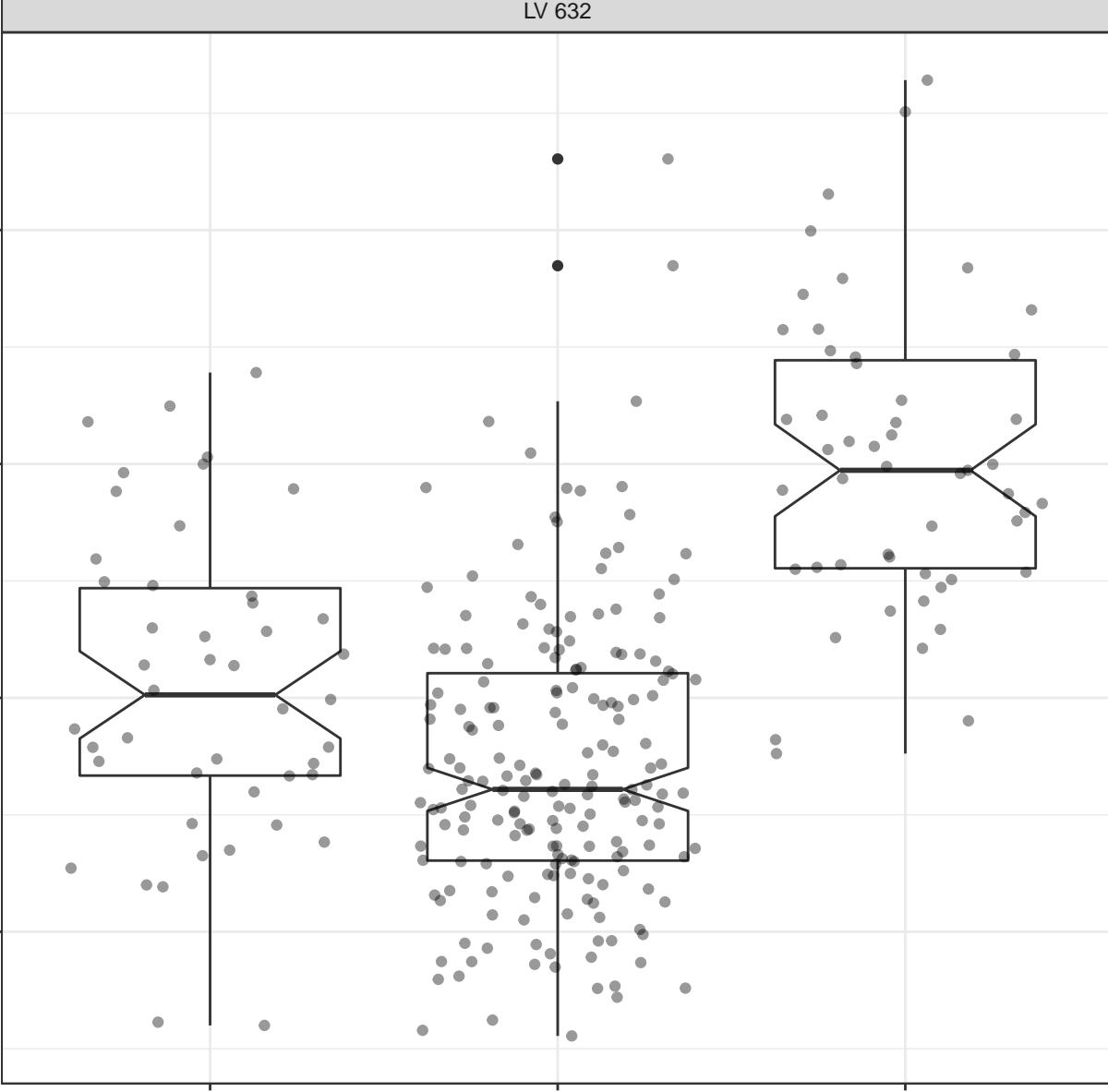
0.00

-0.05

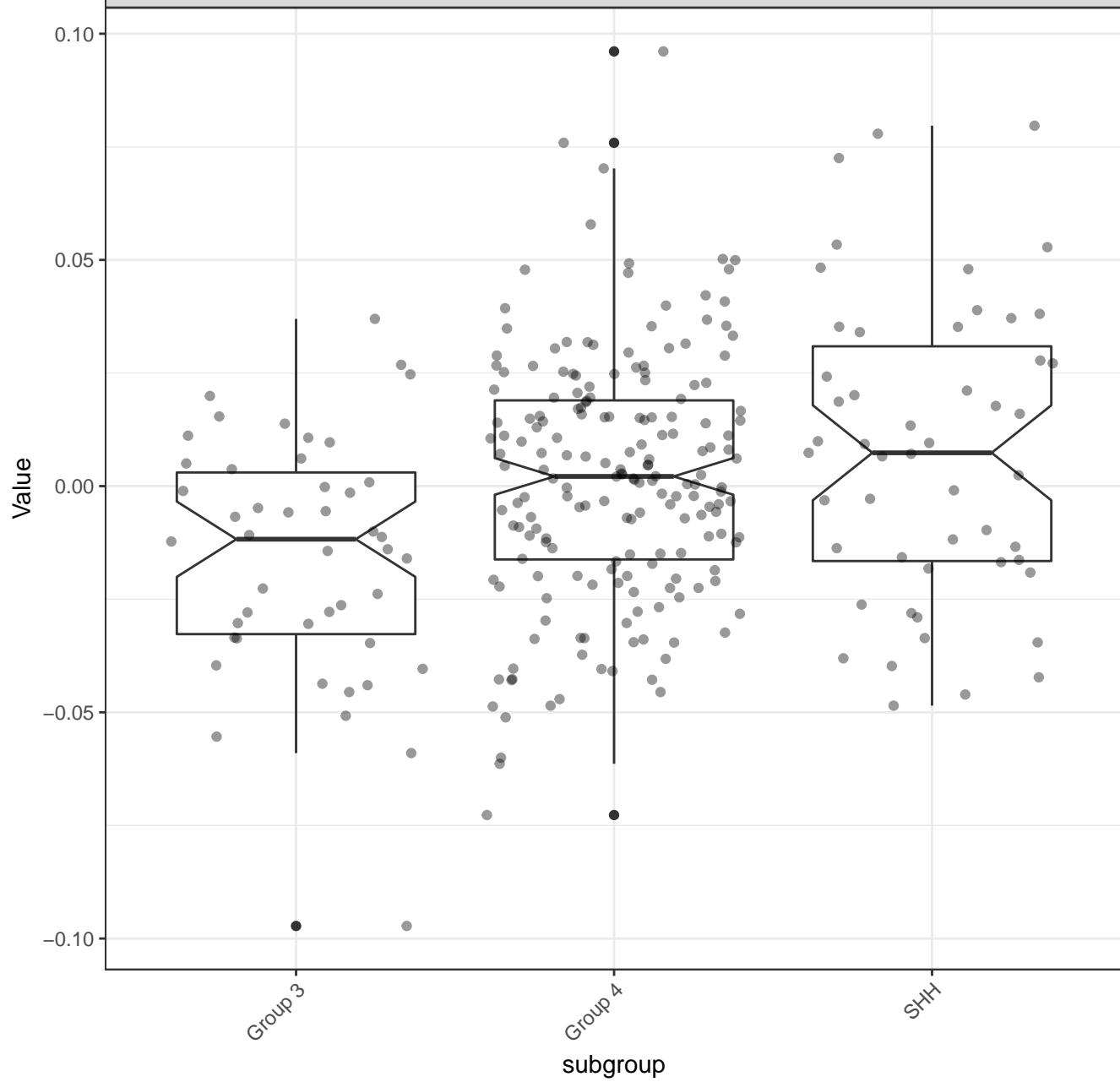
Group 3

subgroup

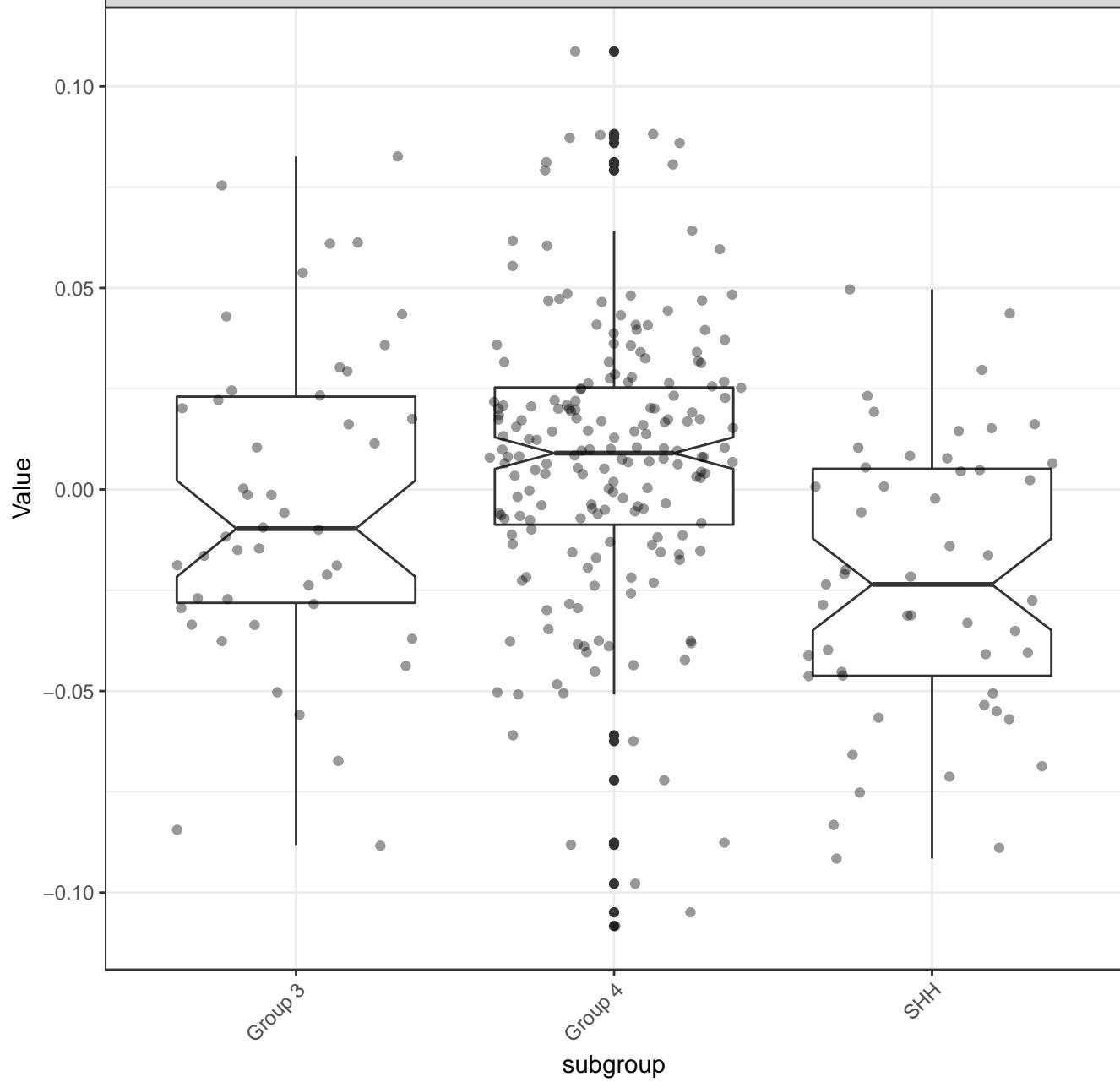
SHH



LV 633



LV 634



LV 635

Value

0.10

0.05

0.00

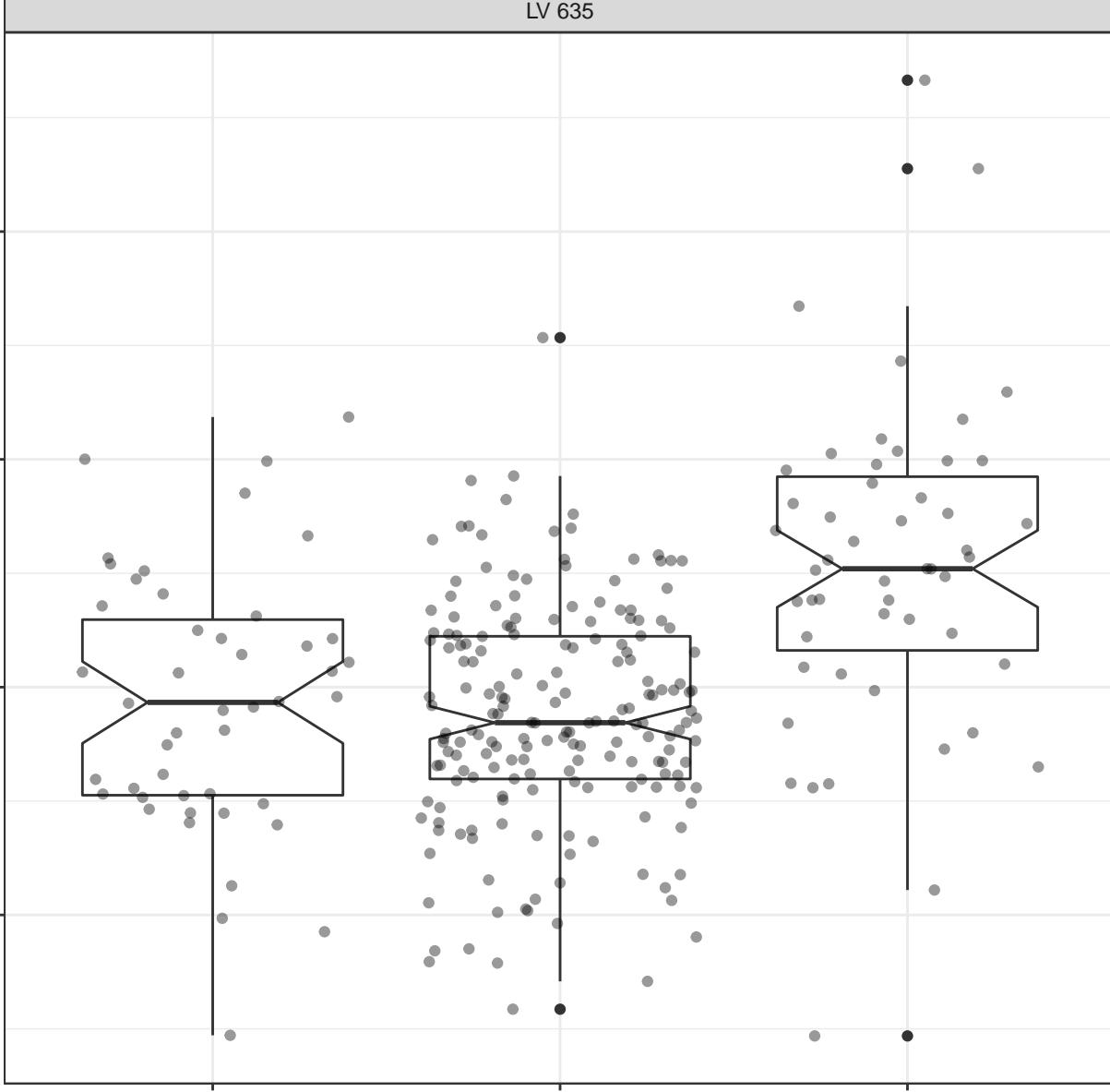
-0.05

Group 3

Group 4

SHH

subgroup



LV 636

Value

0.05

0.00

-0.05

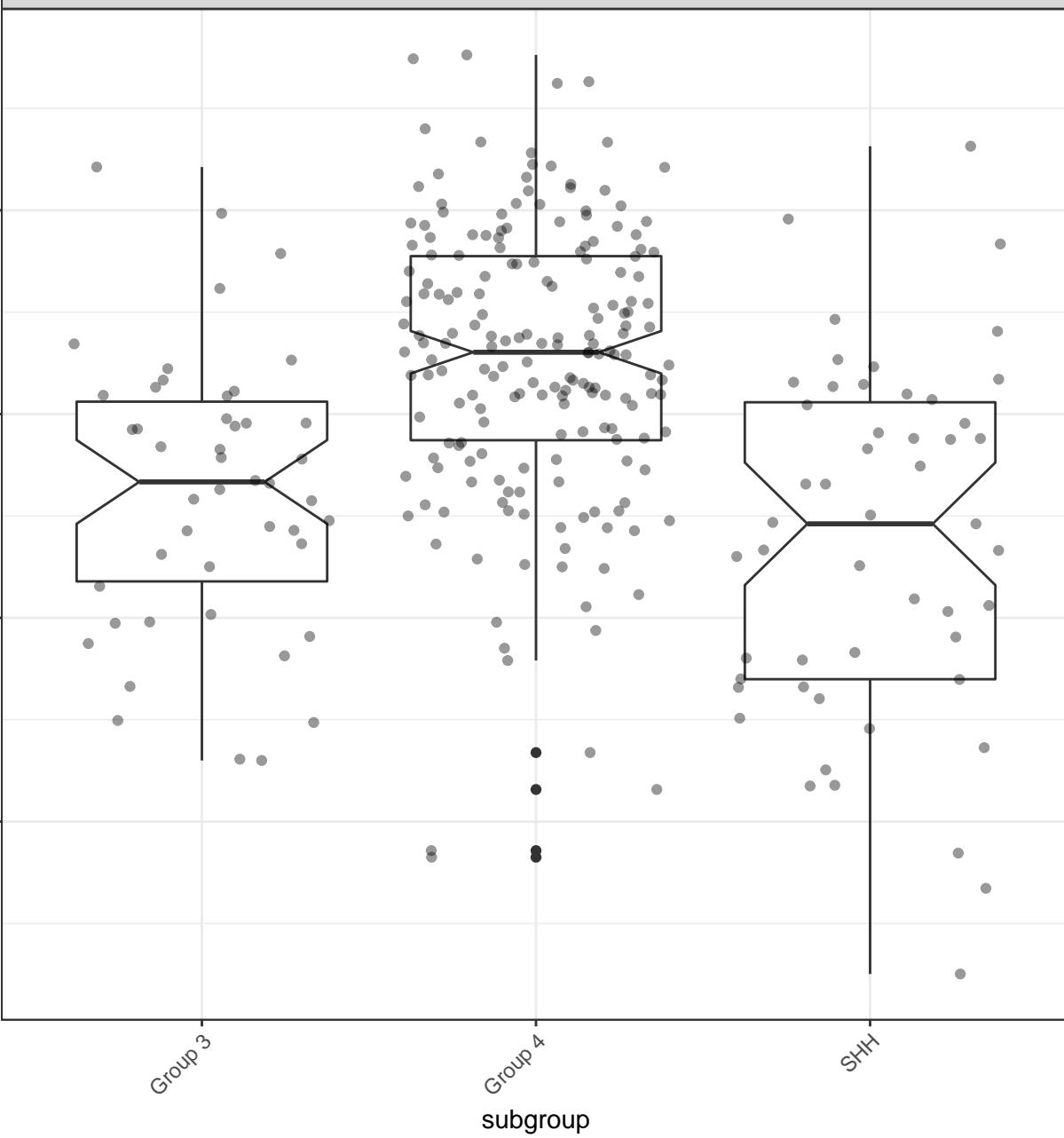
-0.10

Group 3

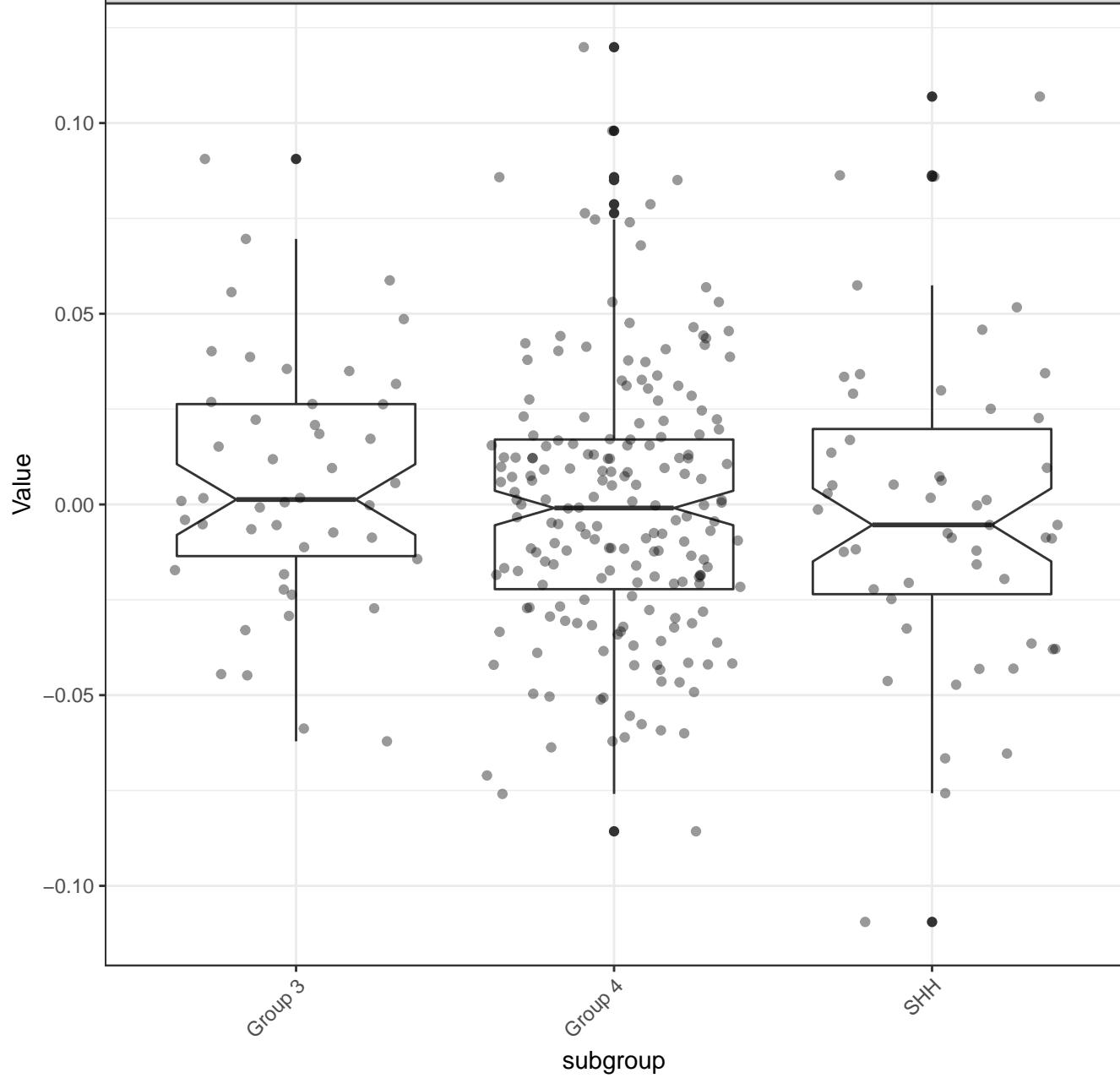
Group 4

SHH

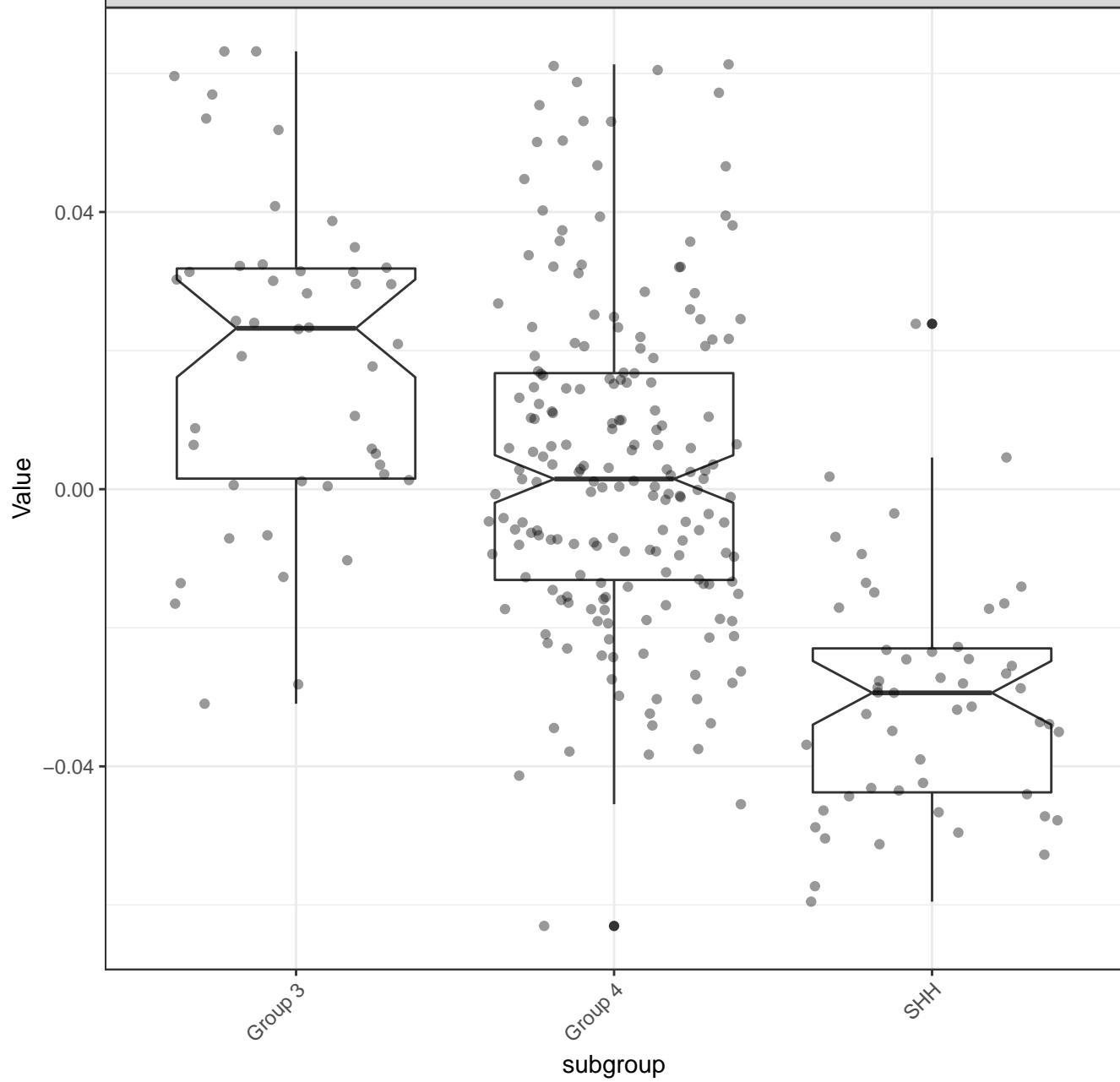
subgroup



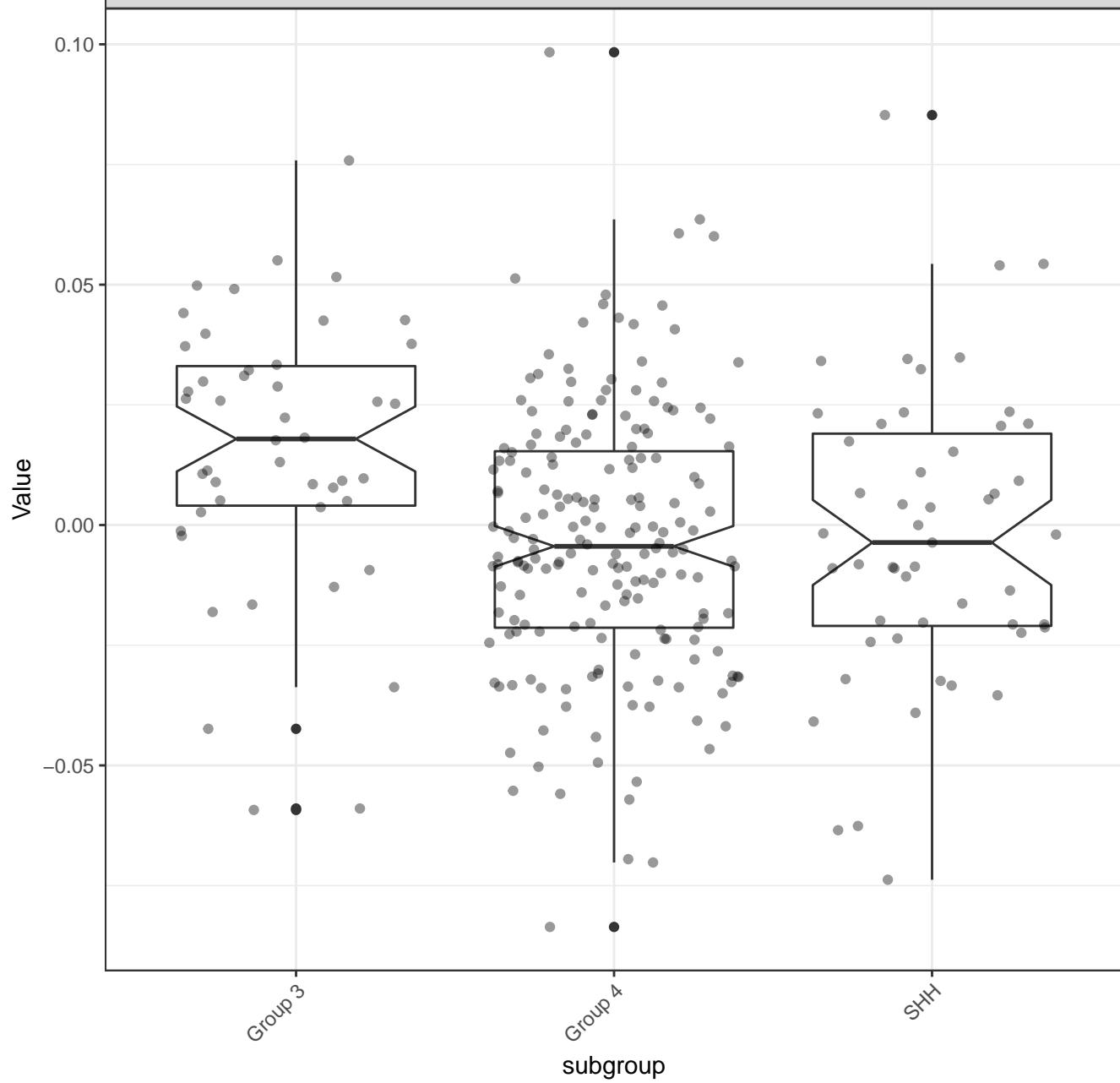
637,REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS



LV 638



LV 639



LV 640

Value

0.10

0.05

0.00

-0.05

-0.10

-0.15

Group 3

subgroup

Group 4

SHH



LV 641

Value

0.05

0.00

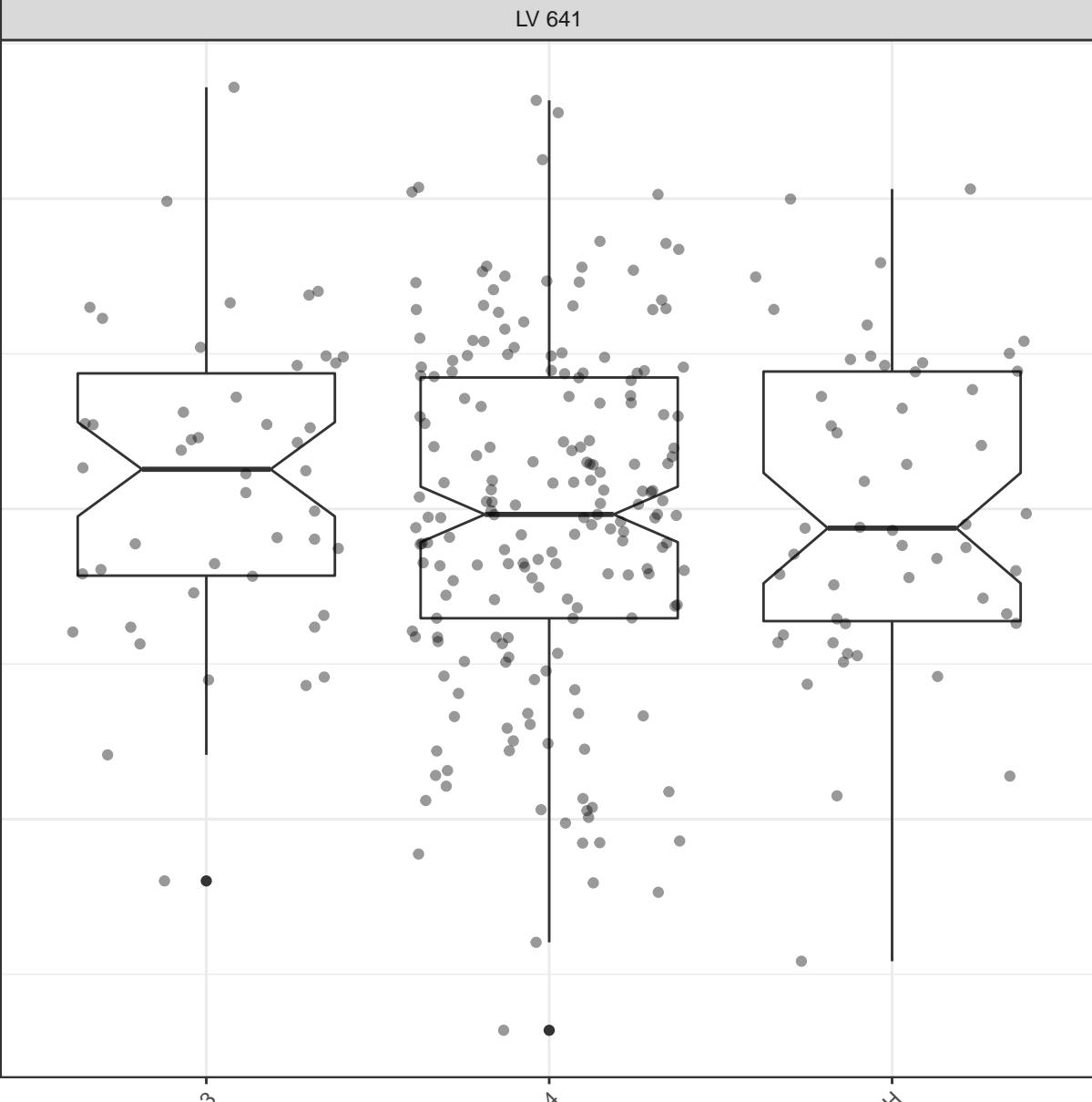
-0.05

Group 3

subgroup

Group 4

SHH



Group 4

SHH

LV 642

Value

0.10

0.05

0.00

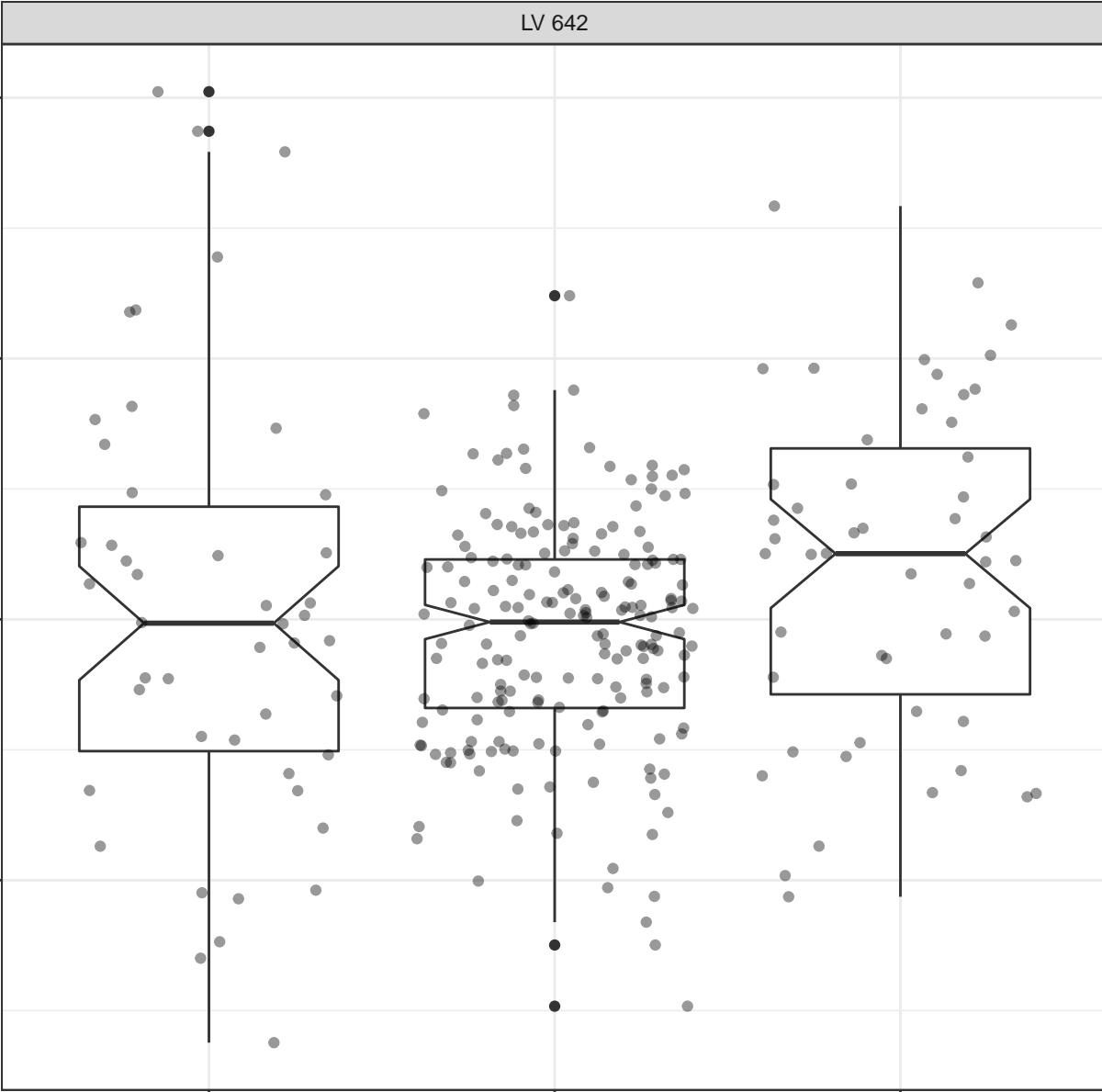
-0.05

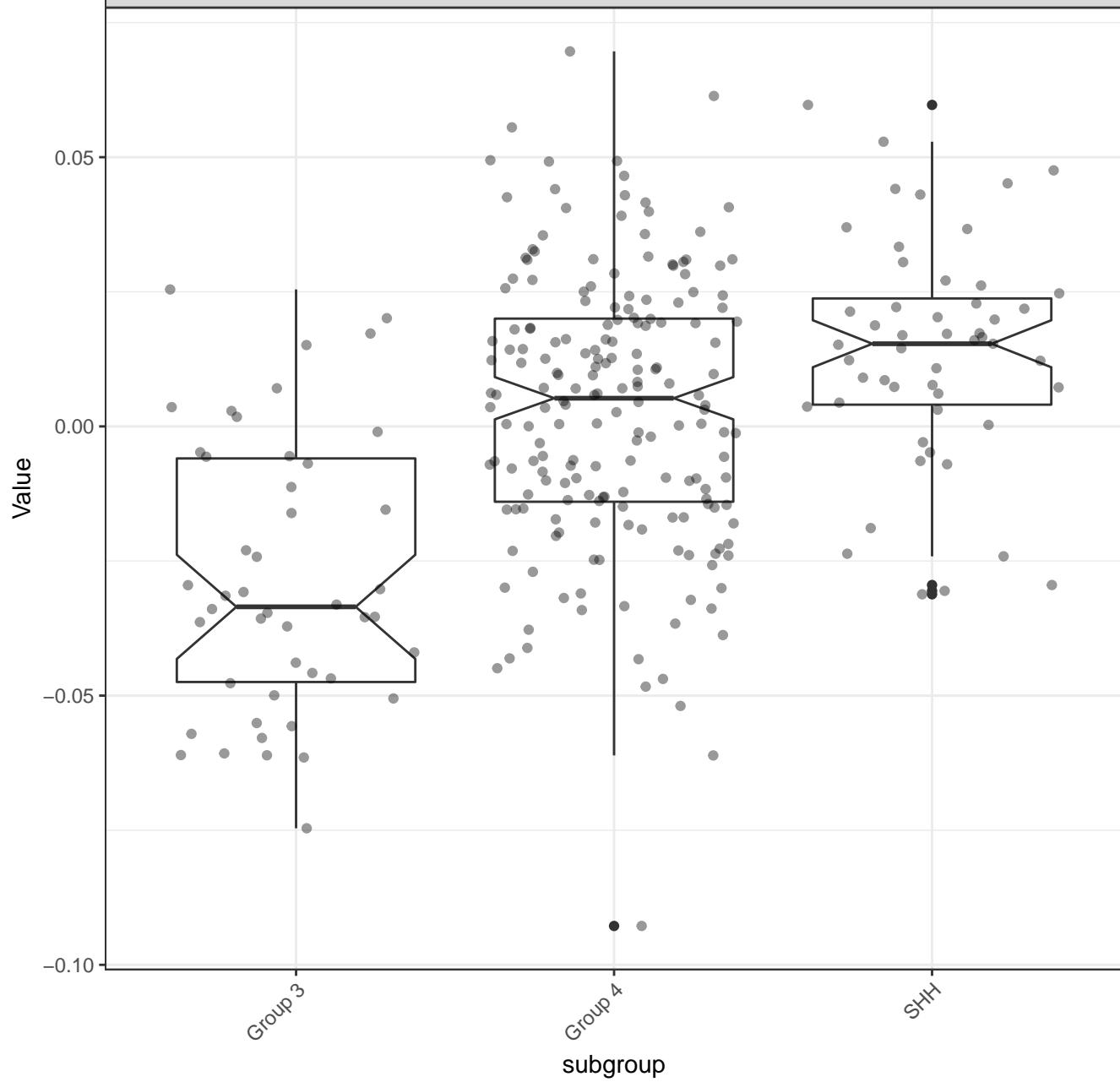
Group 3

subgroup

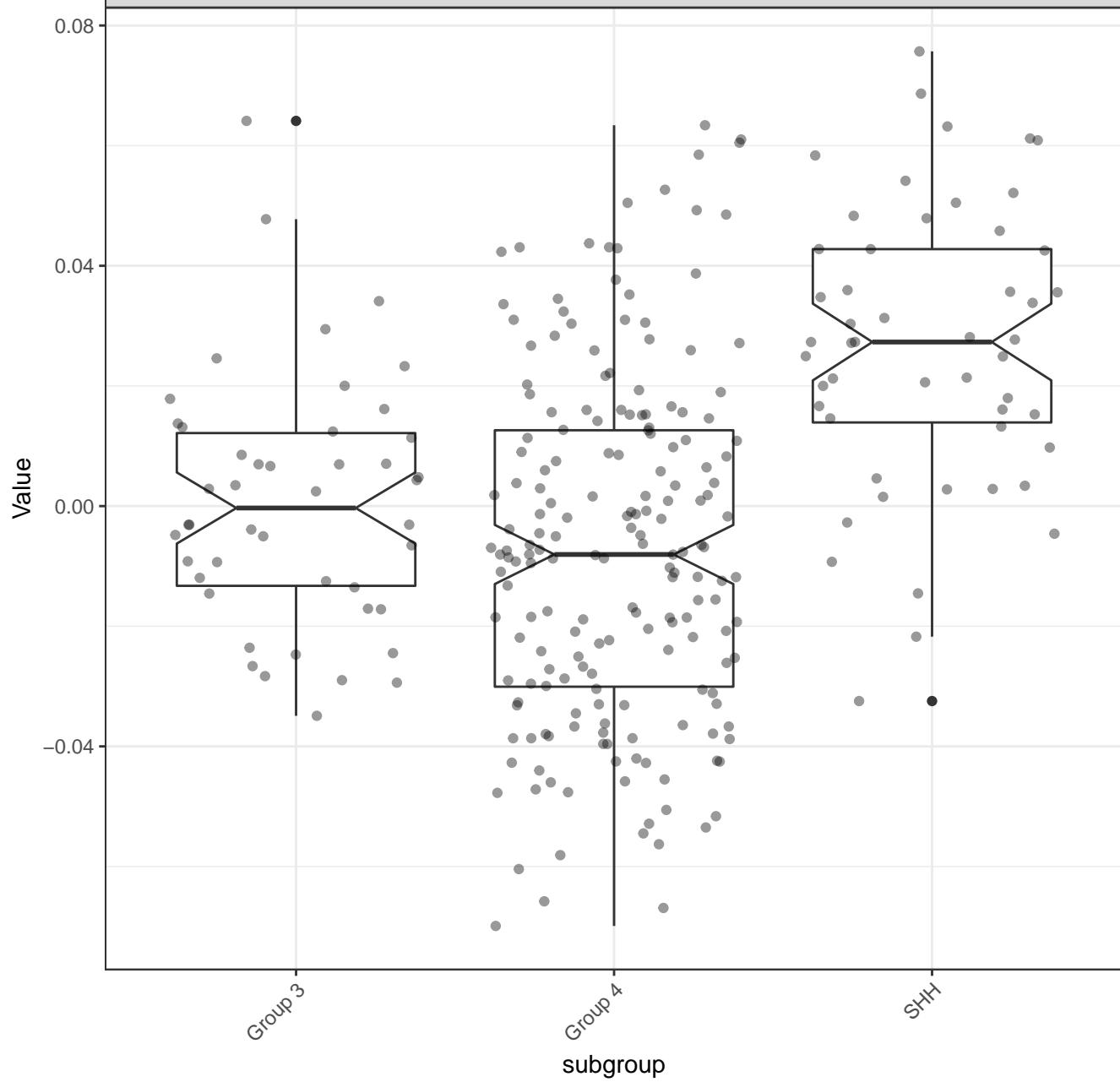
Group 4

SHH





LV 644



LV 645

Value

0.10

0.05

0.00

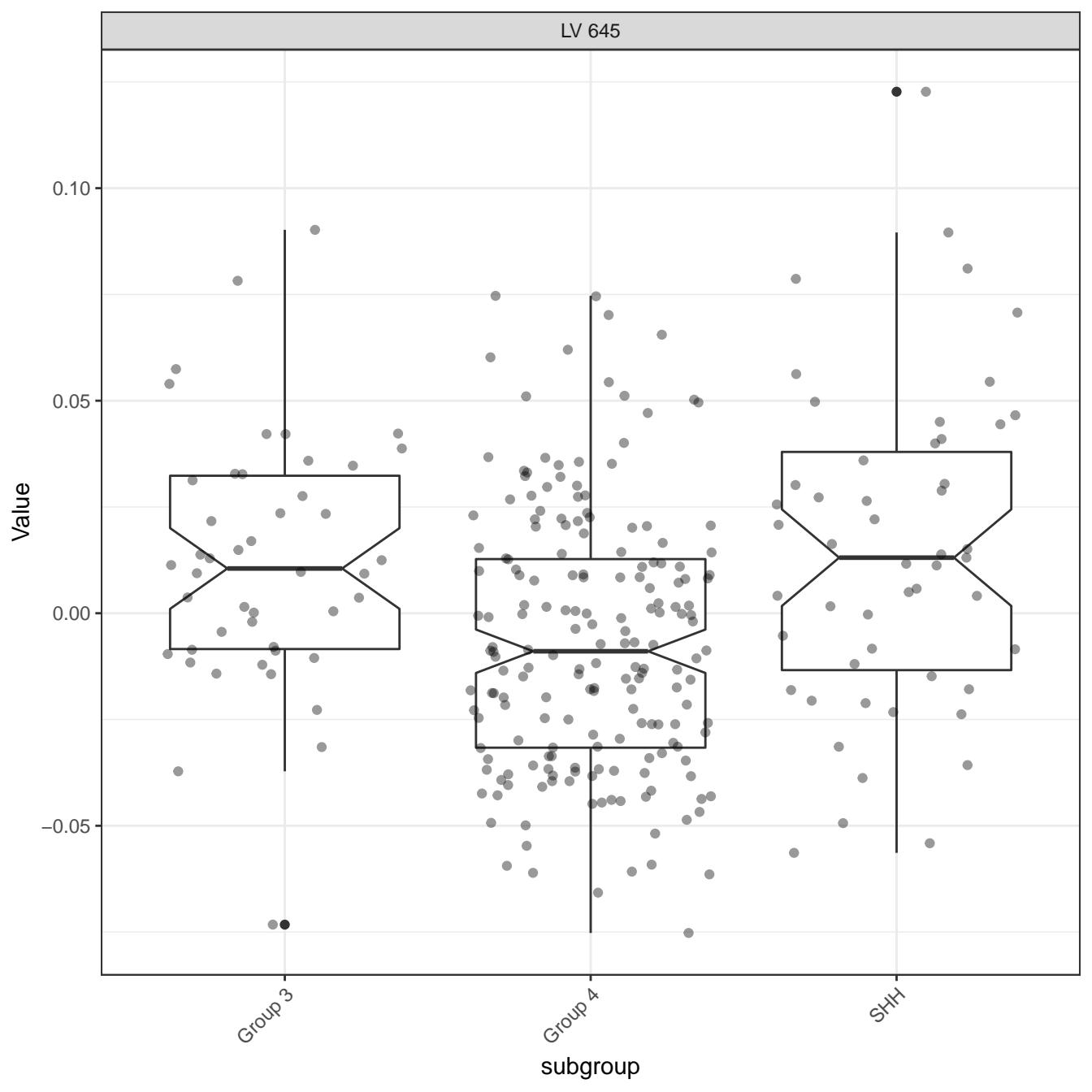
-0.05

Group 3

subgroup

SHH

Group 4



LV 646

Value

0.05

0.00

-0.05

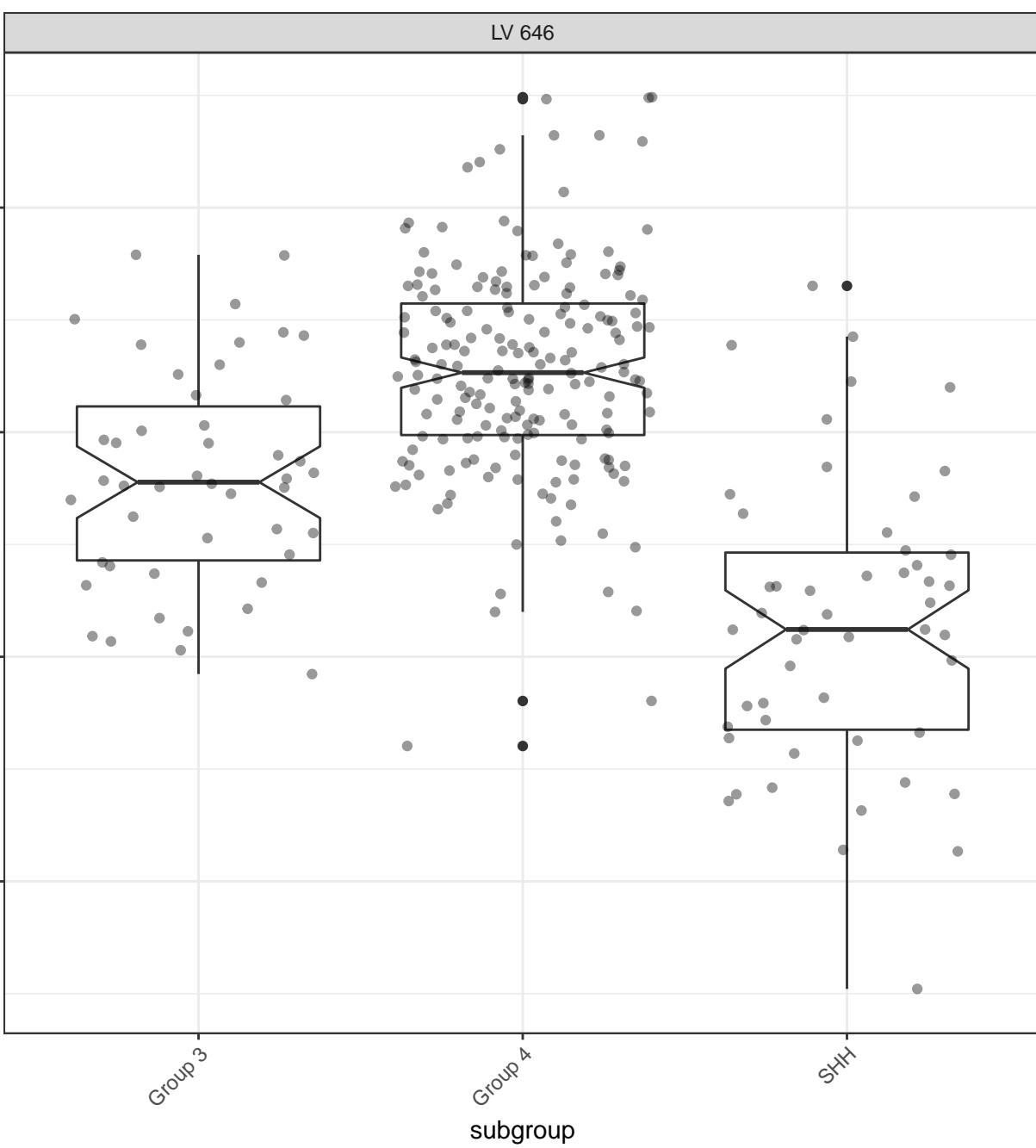
-0.10

Group 3

Group 4

SHH

subgroup



LV 647

Value

0.2

0.1

0.0

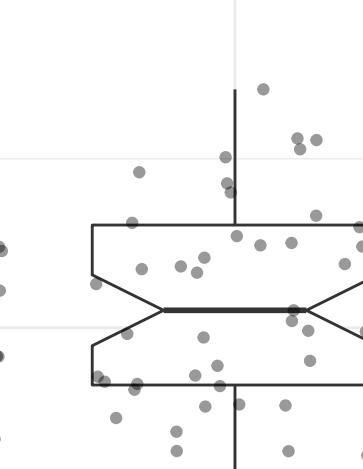
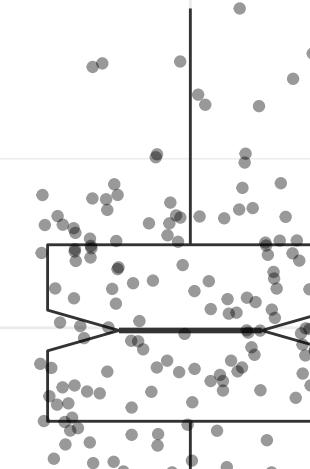
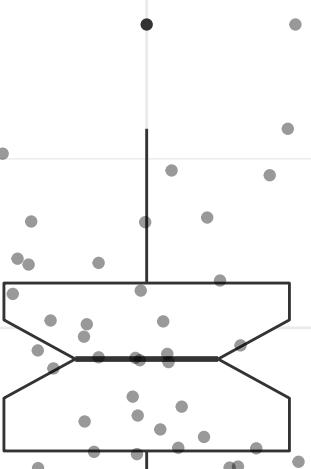
-0.1

Group³

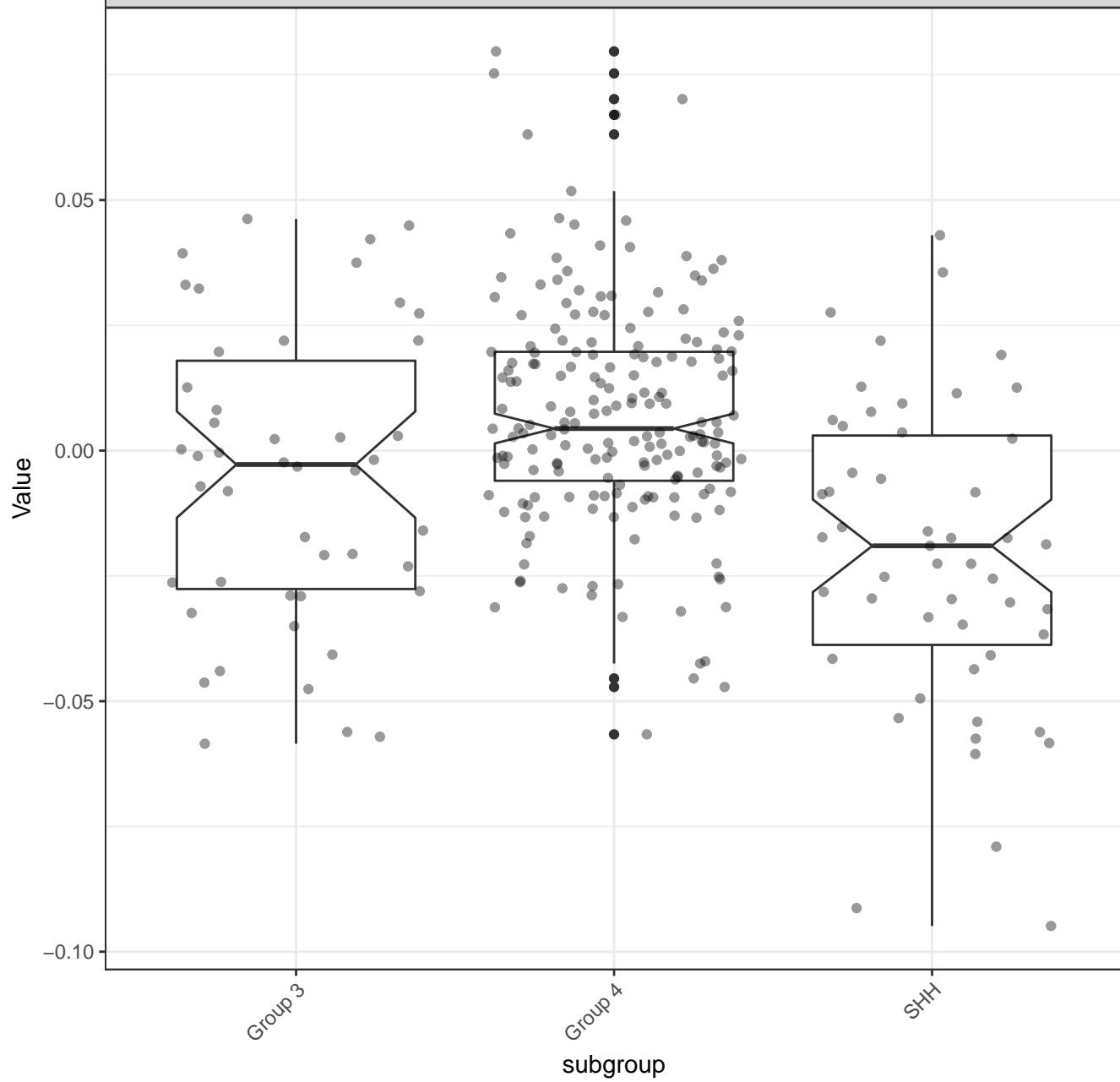
Group⁴

SHH

subgroup



LV 648



649,IRIS_Monocyte–Day1

Value

0.10

0.05

0.00

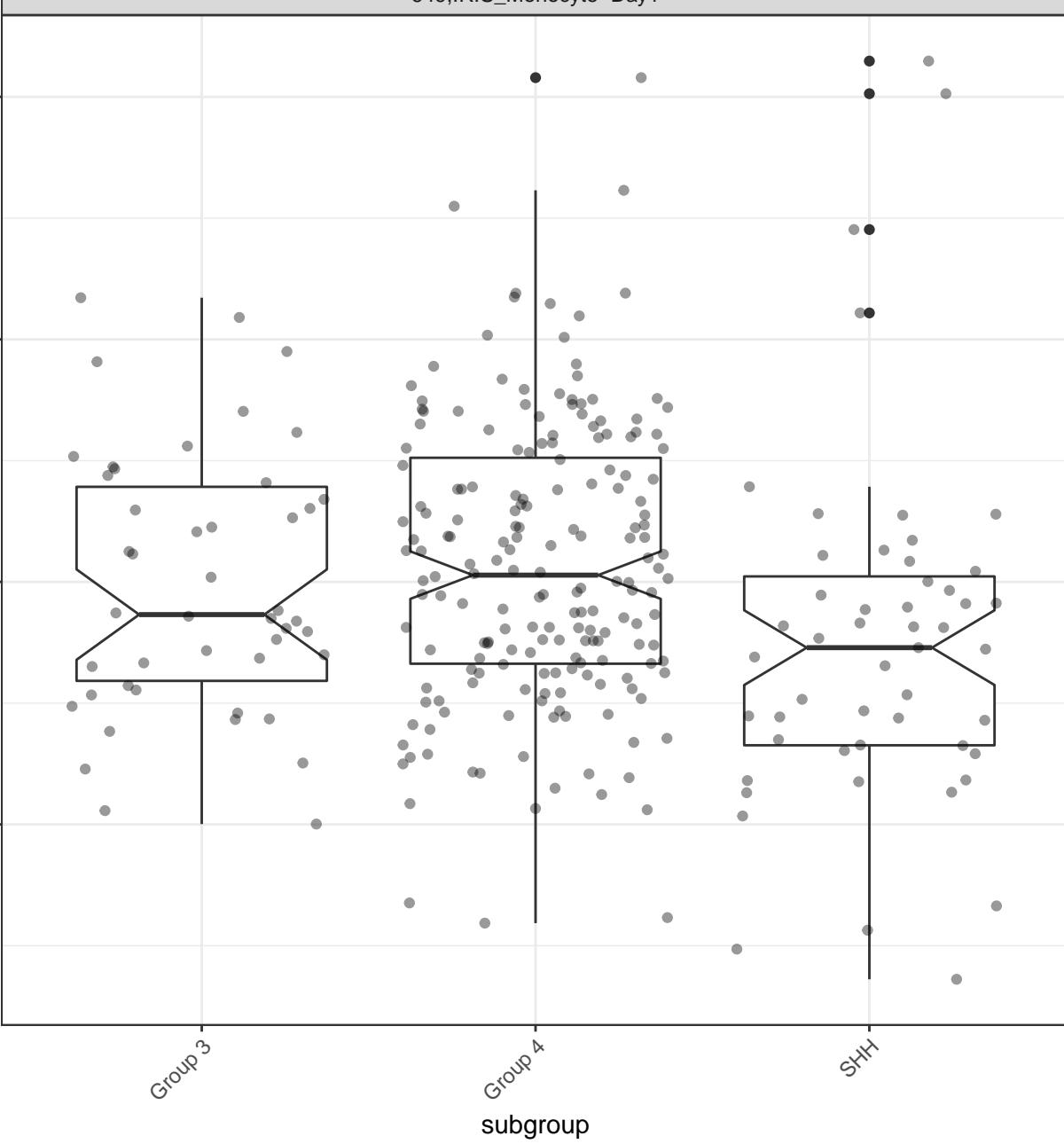
-0.05

Group 3

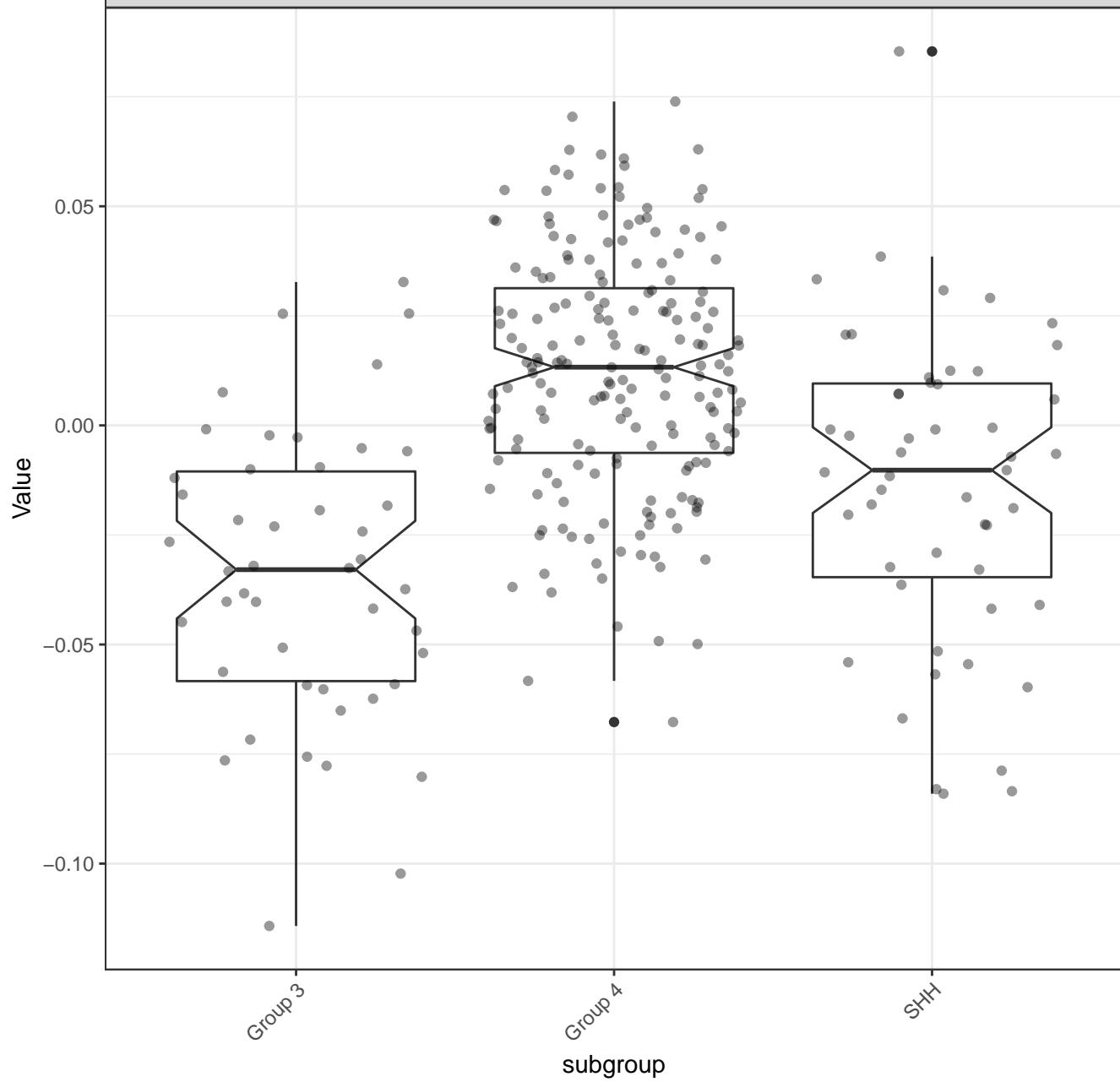
Group 4

SHH

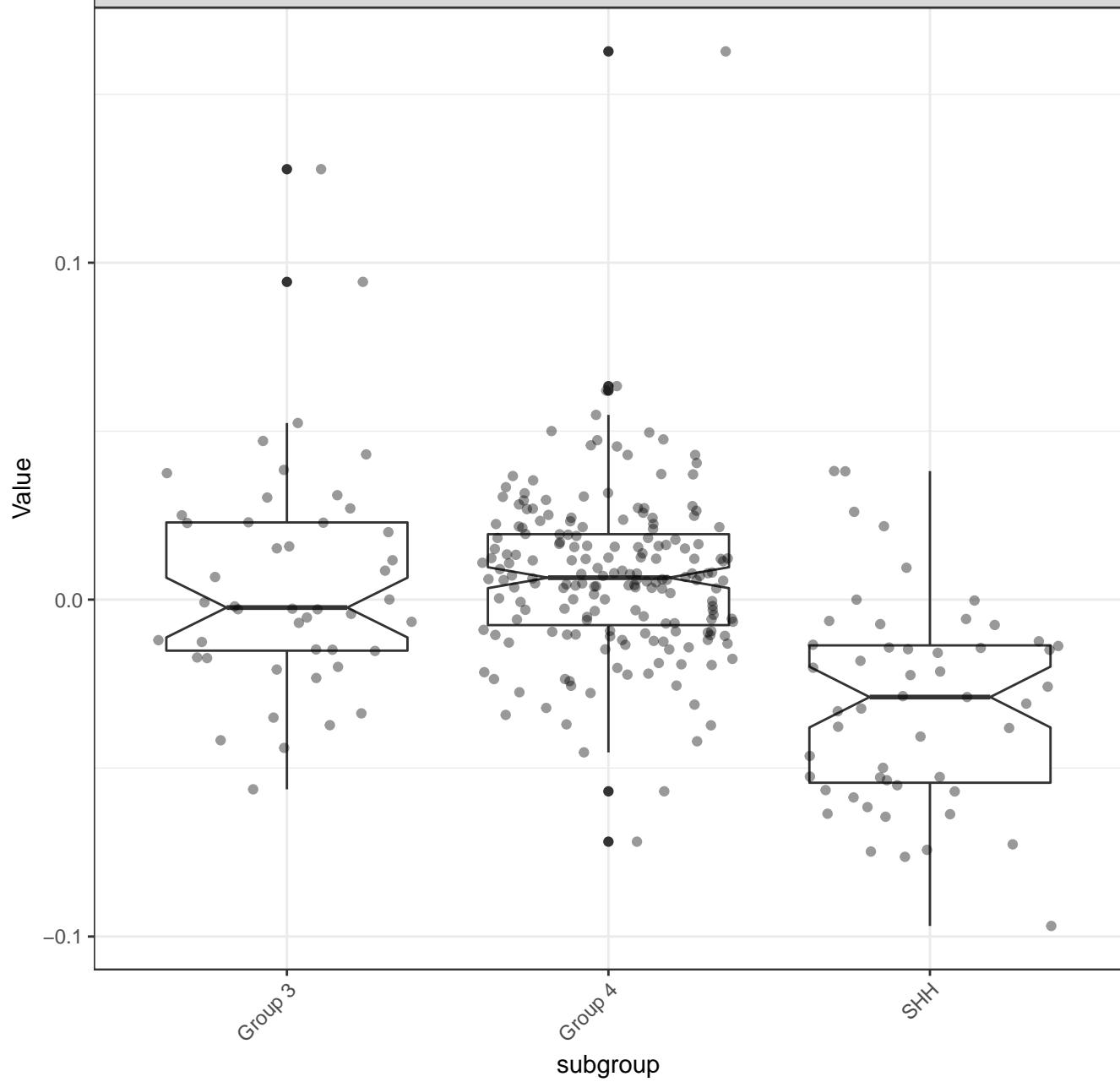
subgroup



LV 650



LV 651



LV 652

Value

0.10

0.05

0.00

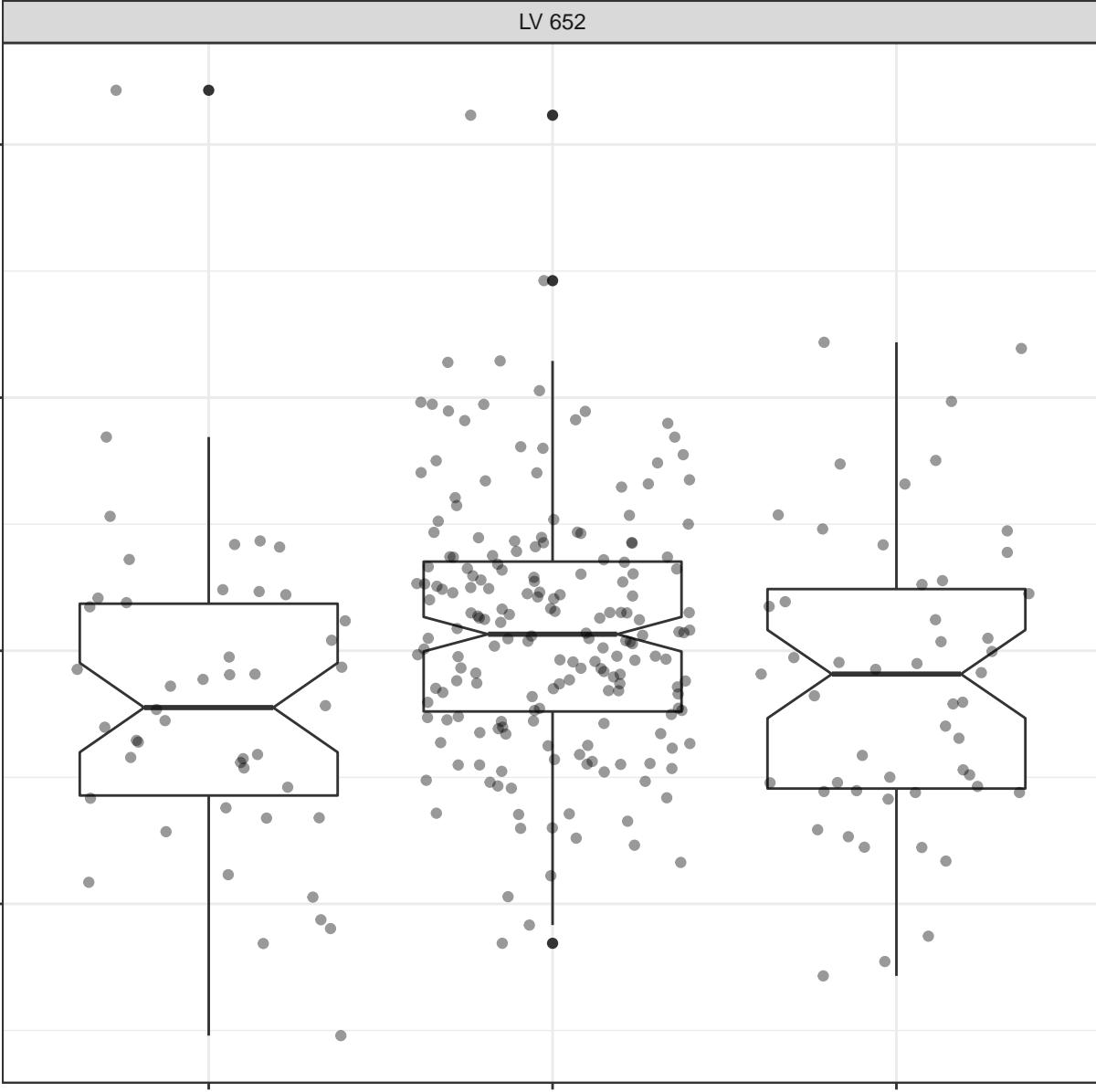
-0.05

Group 3

subgroup

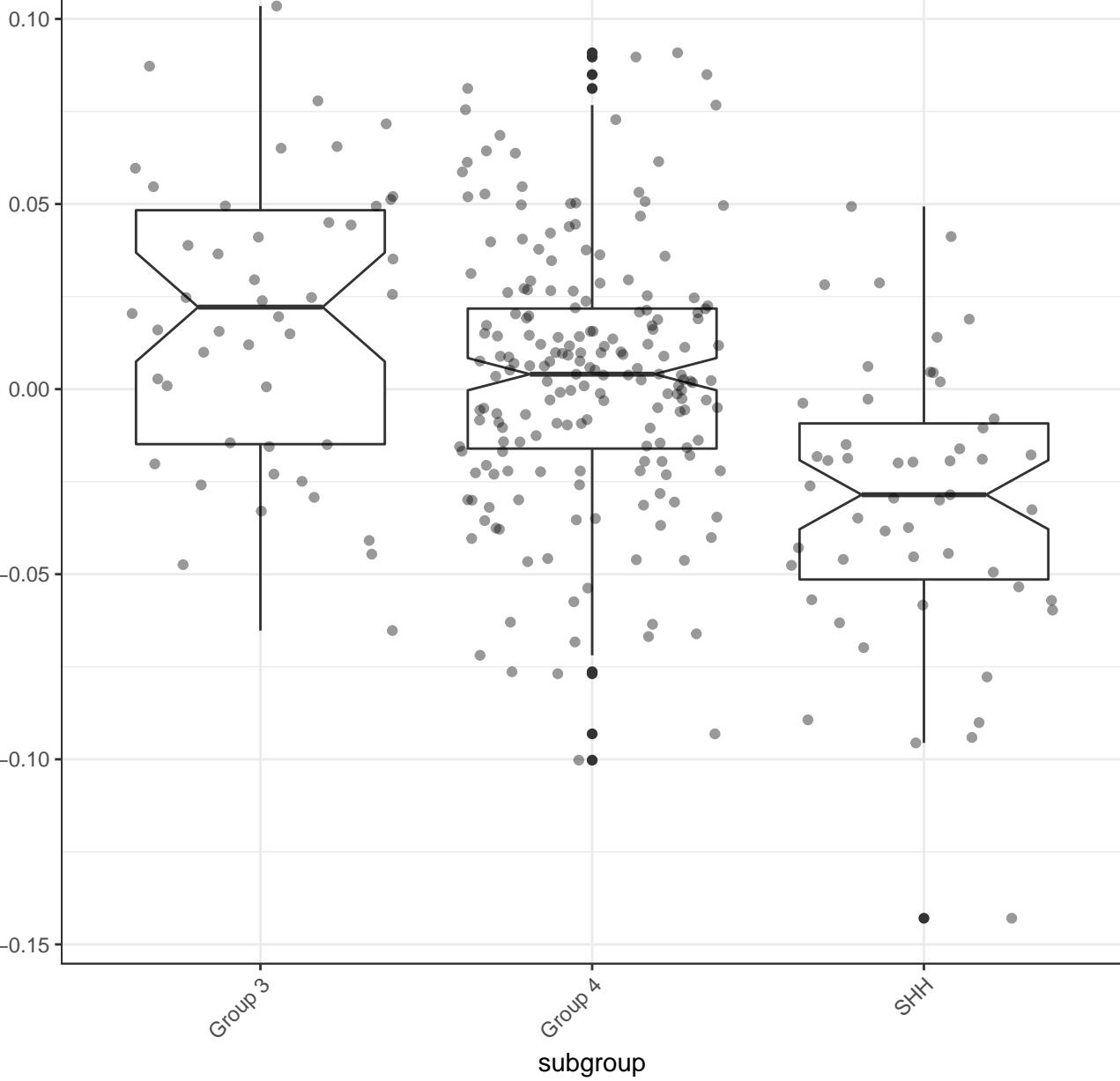
Group 4

SHH

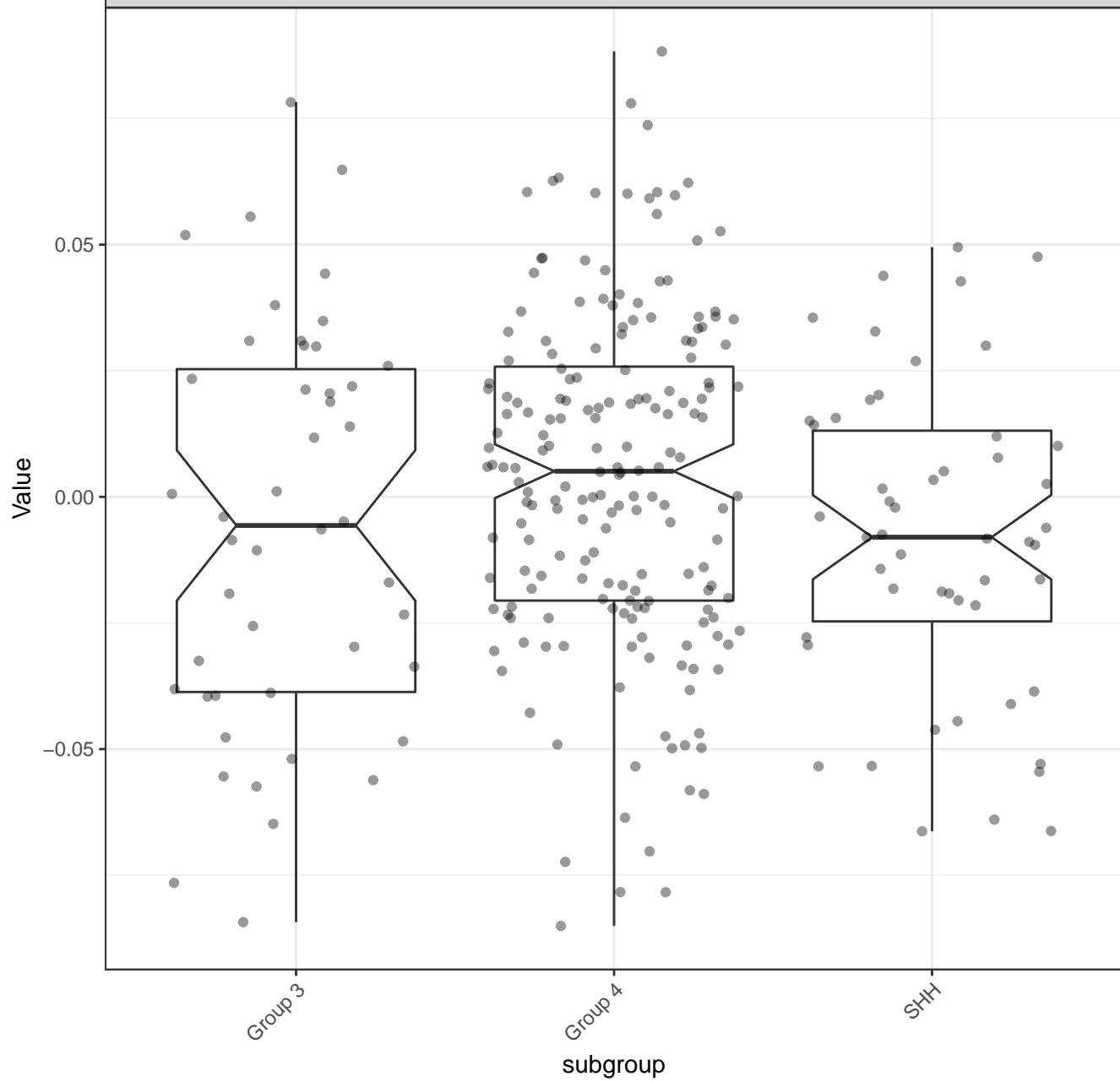


LV 653

Value

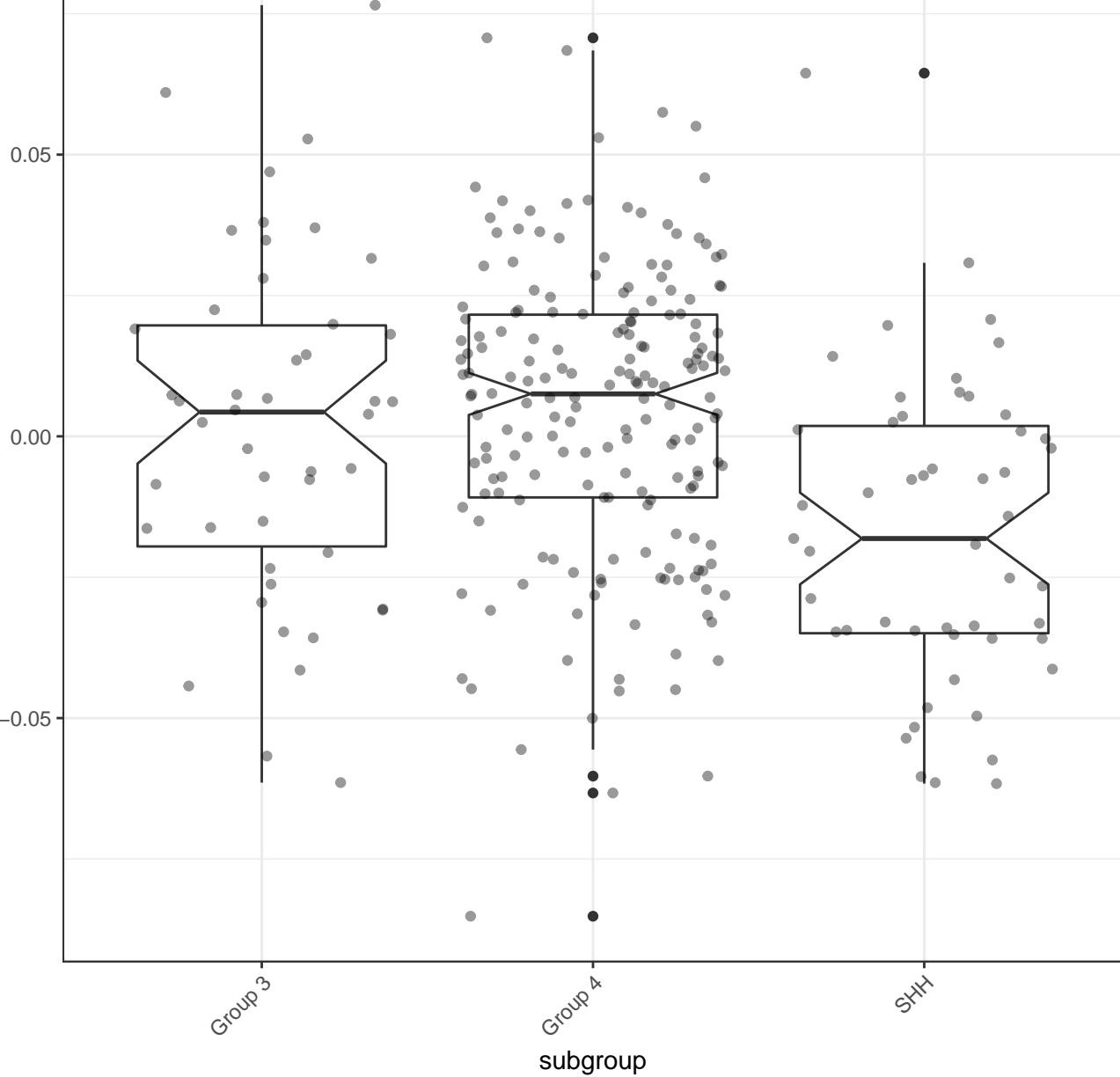


LV 654



LV 655

Value



LV 656

Value

0.1

0.0

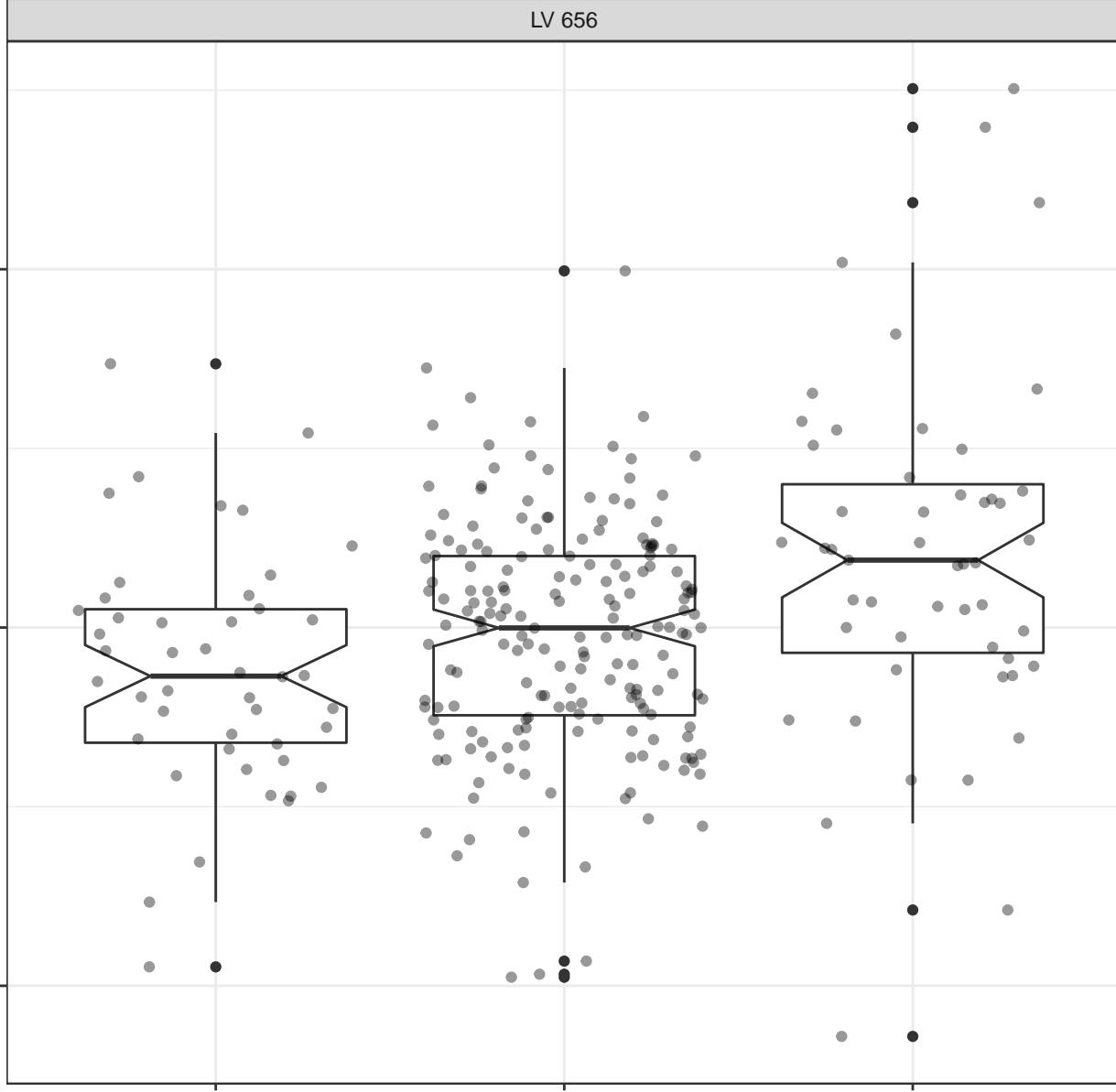
-0.1

Group 3

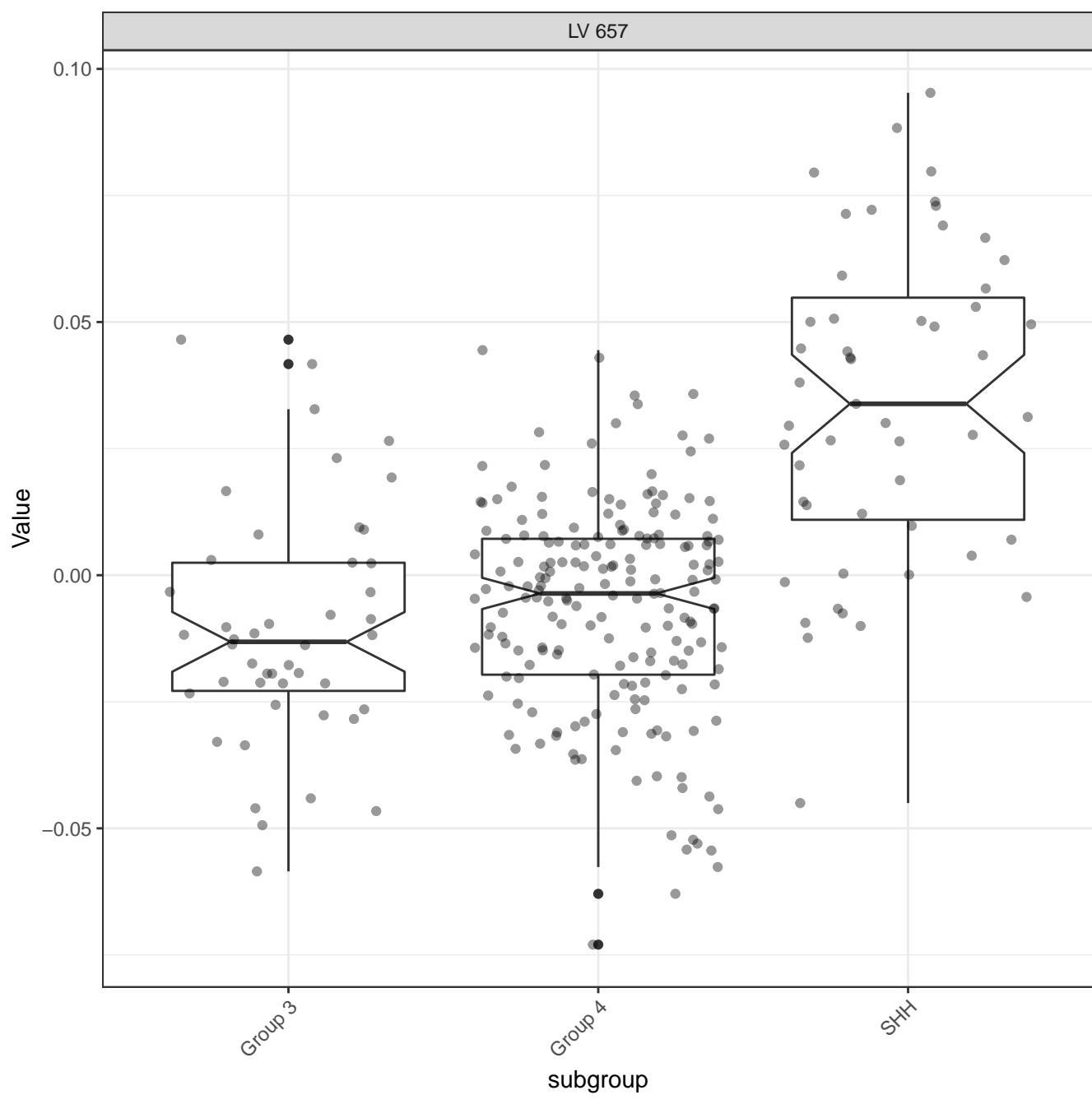
Group 4

SHH

subgroup



LV 657



LV 658

Value

0.10

0.05

0.00

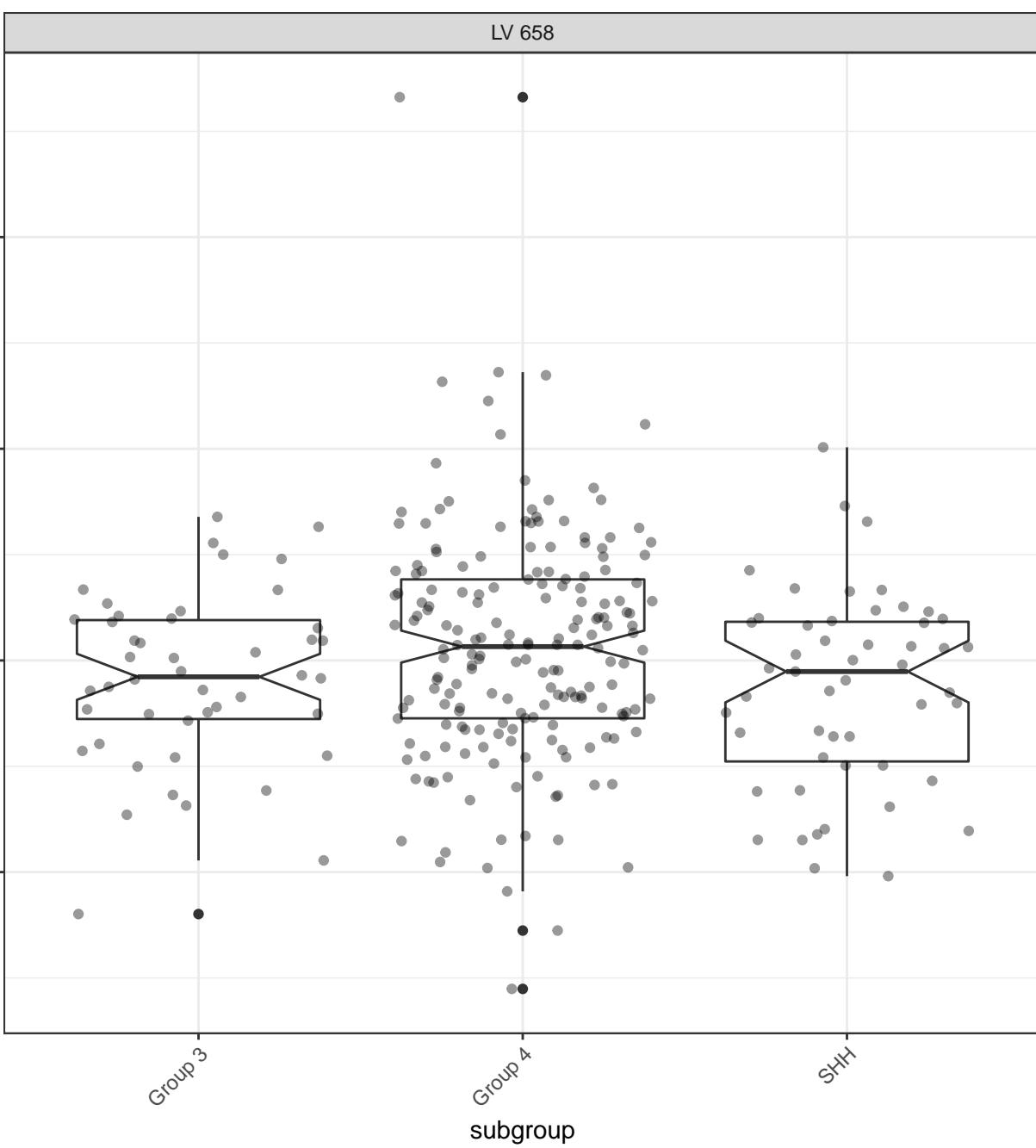
-0.05

Group 3

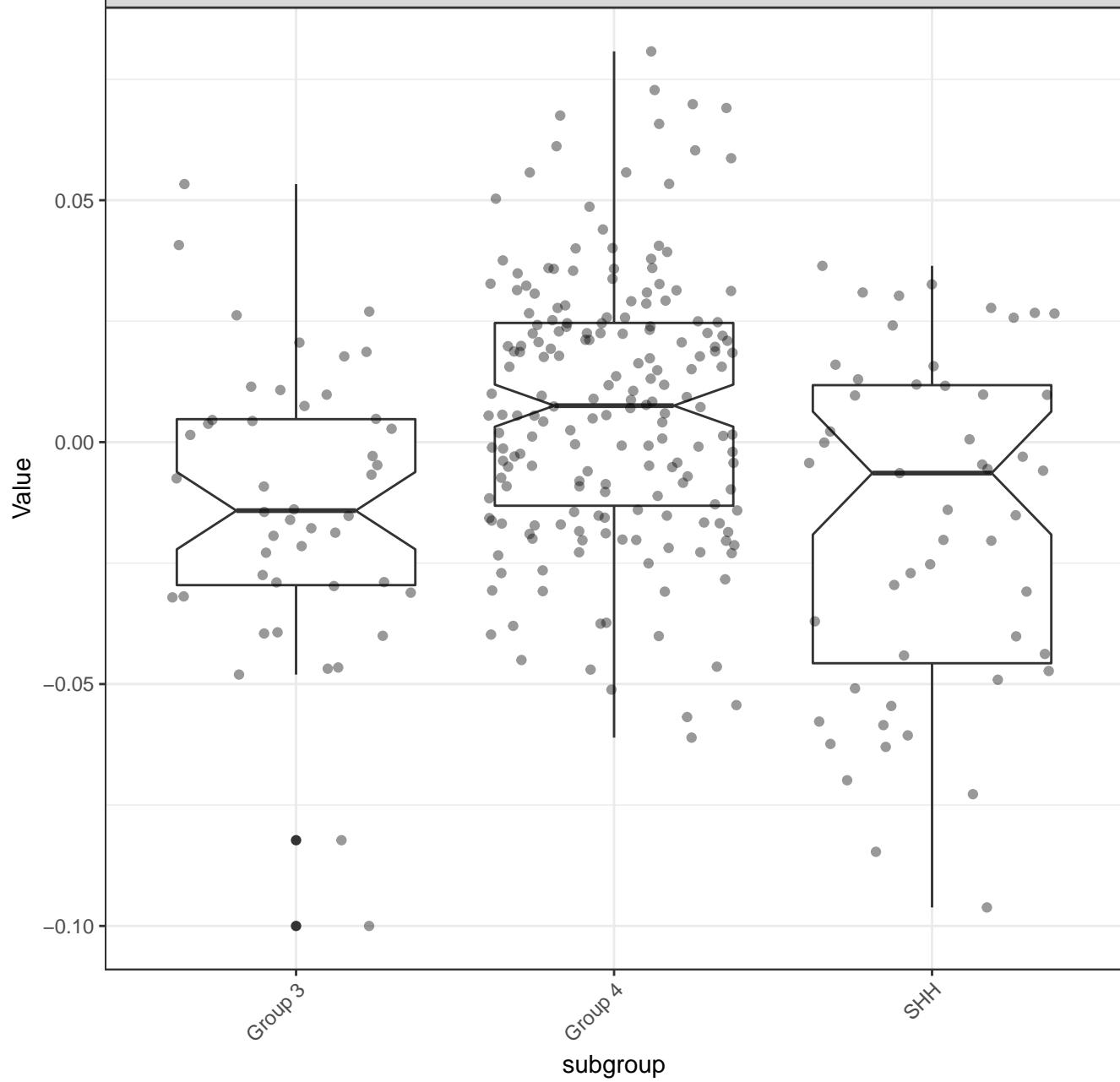
Group 4

SHH

subgroup



LV 659



LV 660

Vvalue

0.10

0.05

0.00

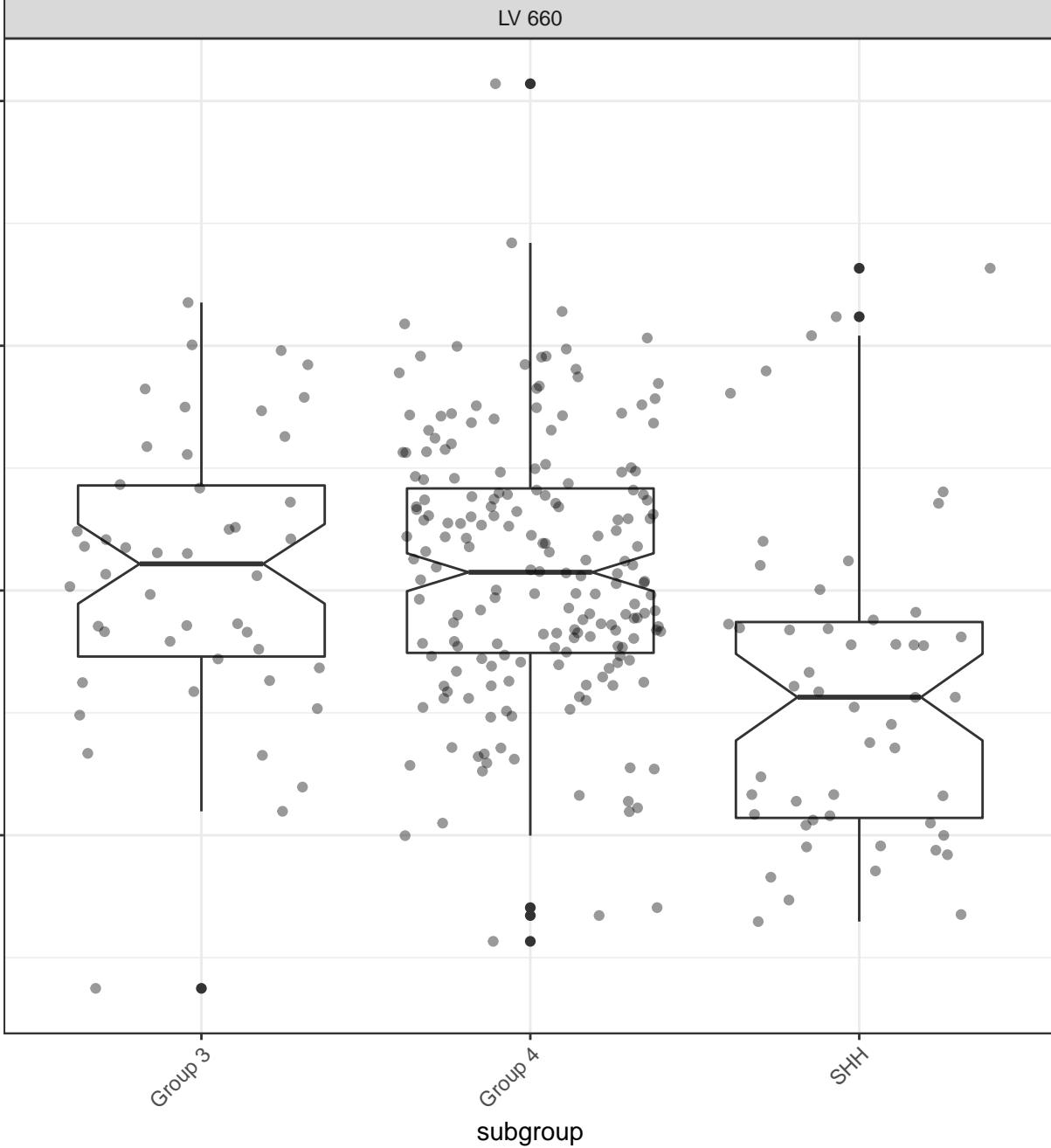
-0.05

Group₃

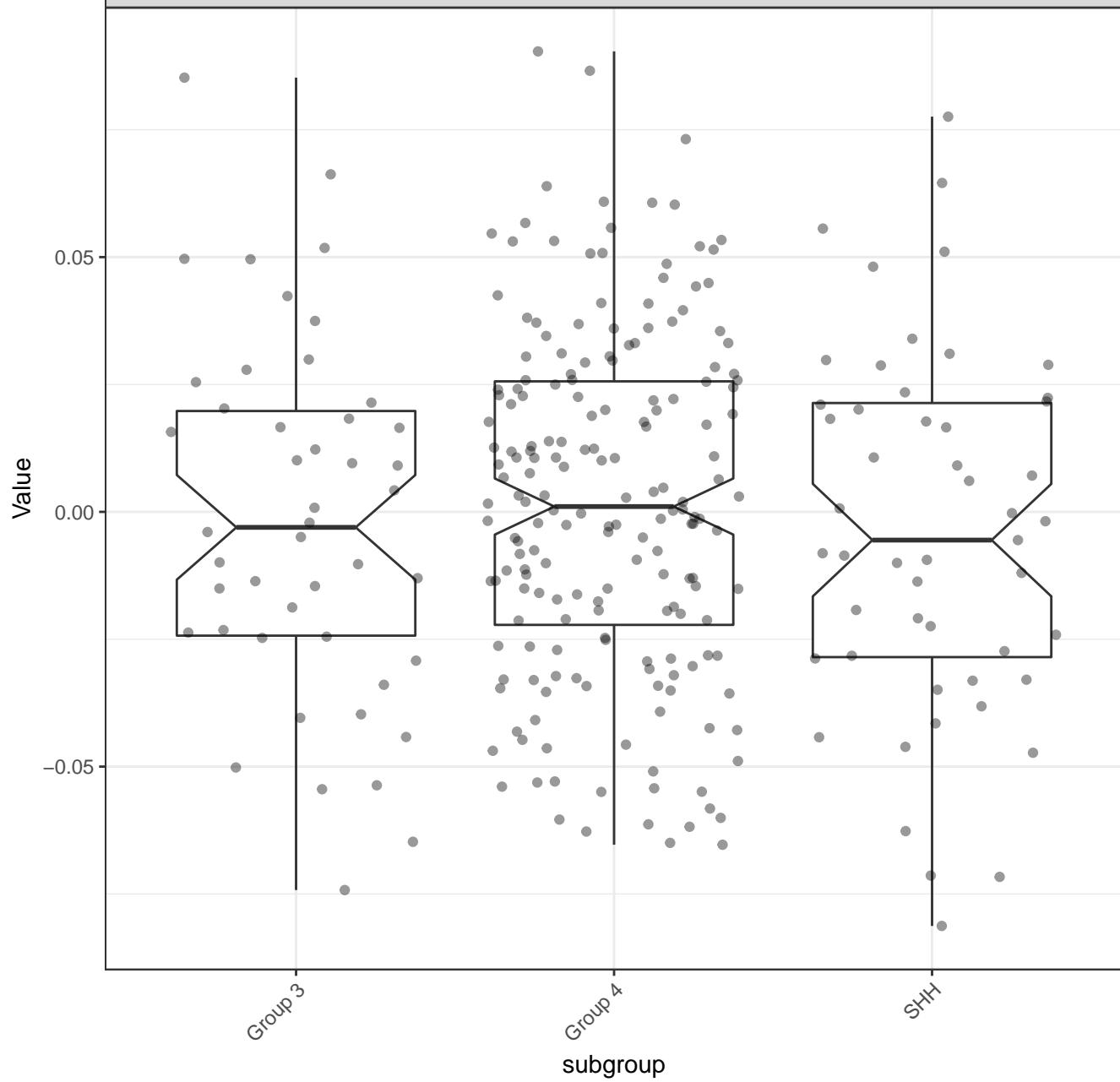
Group₄

SHH

subgroup



LV 661



662,REACTOME_TRANSMISSION_ACROSS_chemical_SYNAPSES

Value

0.10

0.05

0.00

-0.05

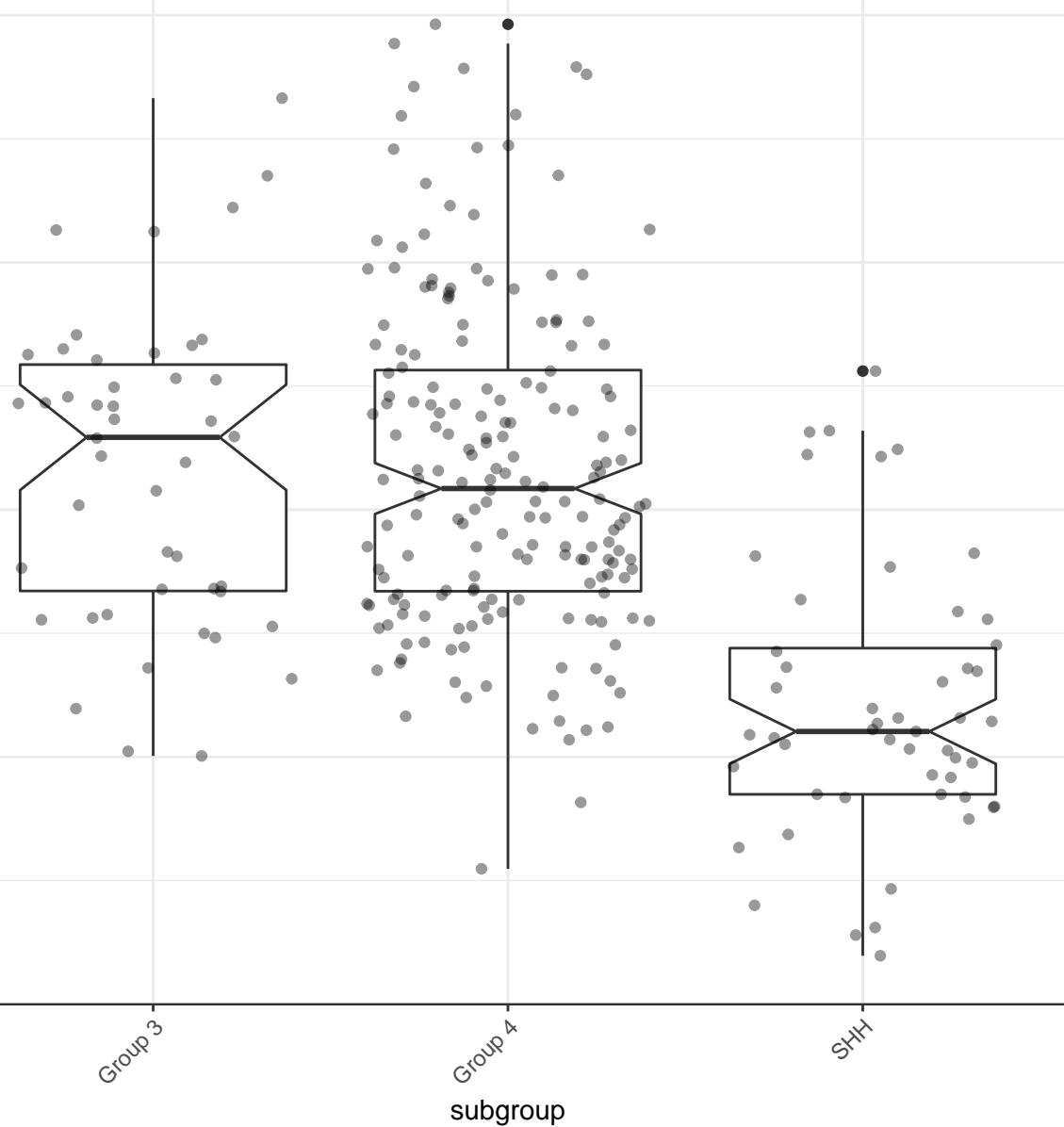
-0.10

Group 3

Group 4

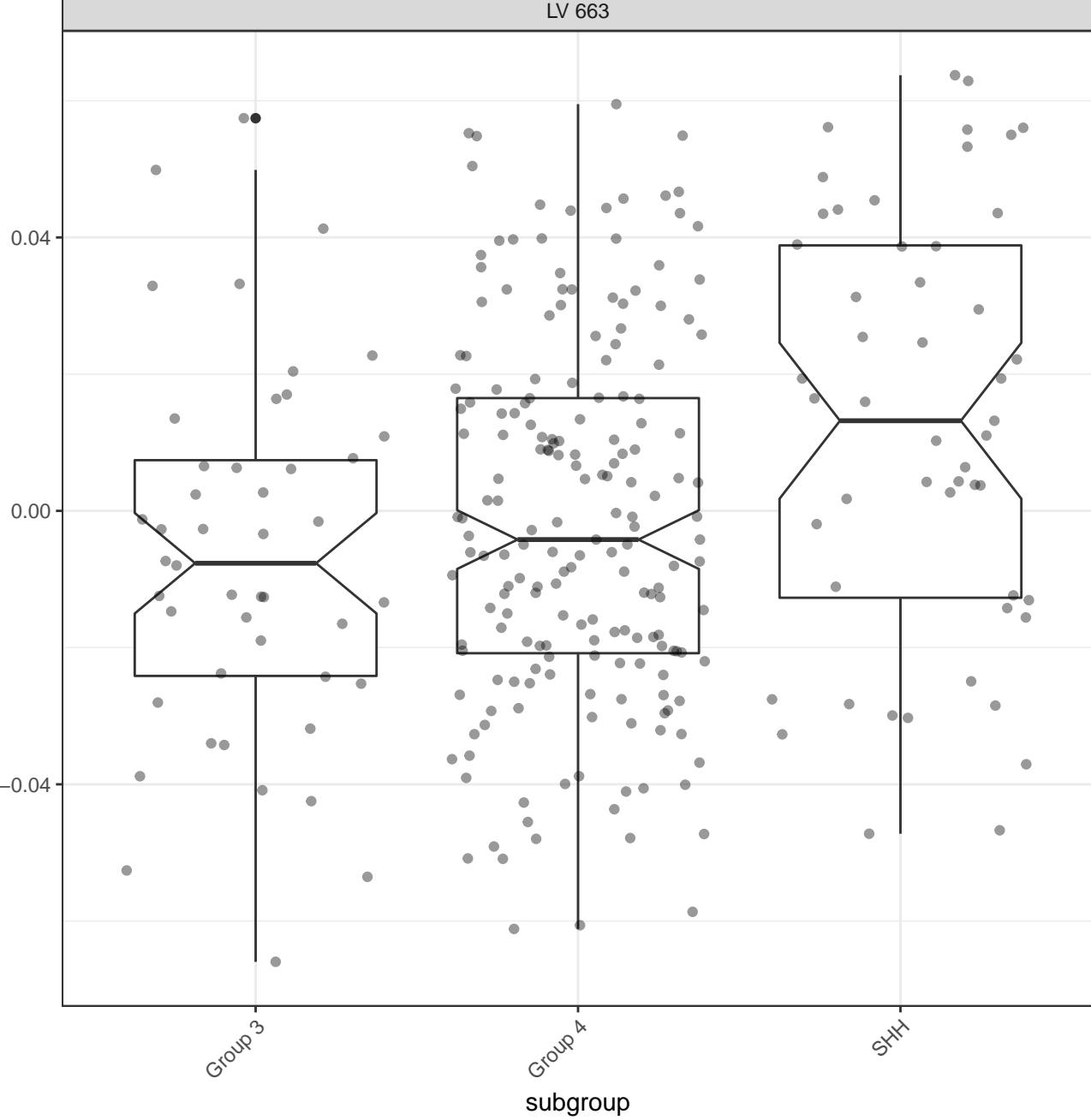
SHH

subgroup

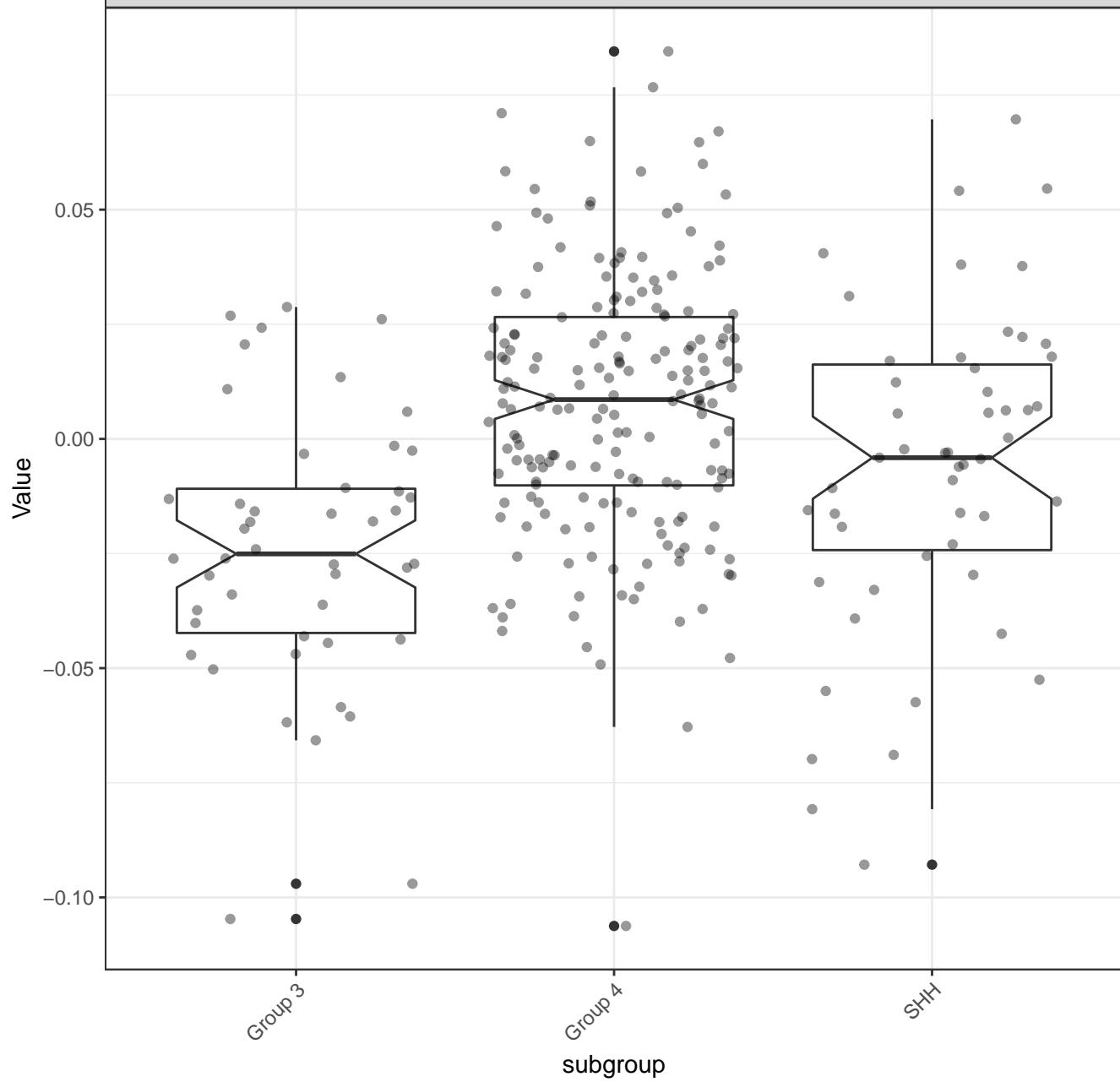


LV 663

Value



LV 664



Value

0.10

0.05

0.00

-0.05

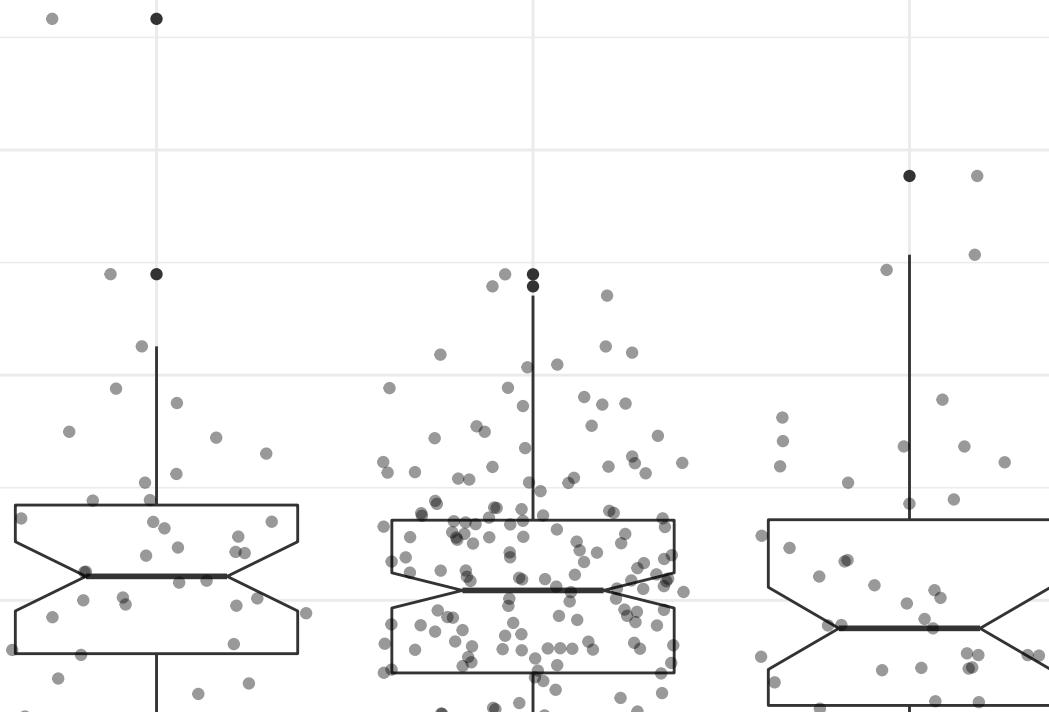
-0.10

Group 3

Group 4

SHH

subgroup



LV 666

Value

0.05

0.00

-0.05

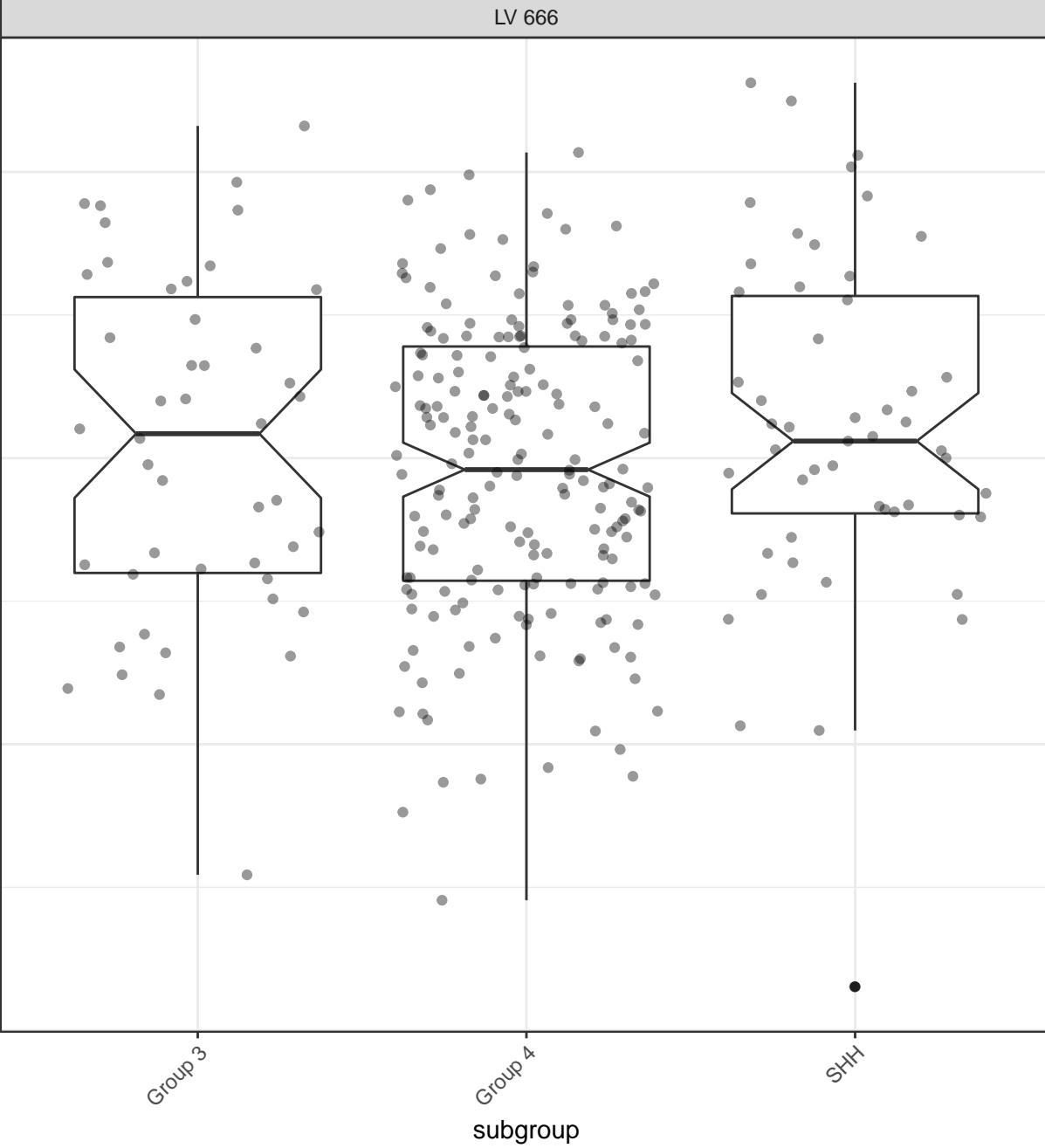
-0.10

Group₃

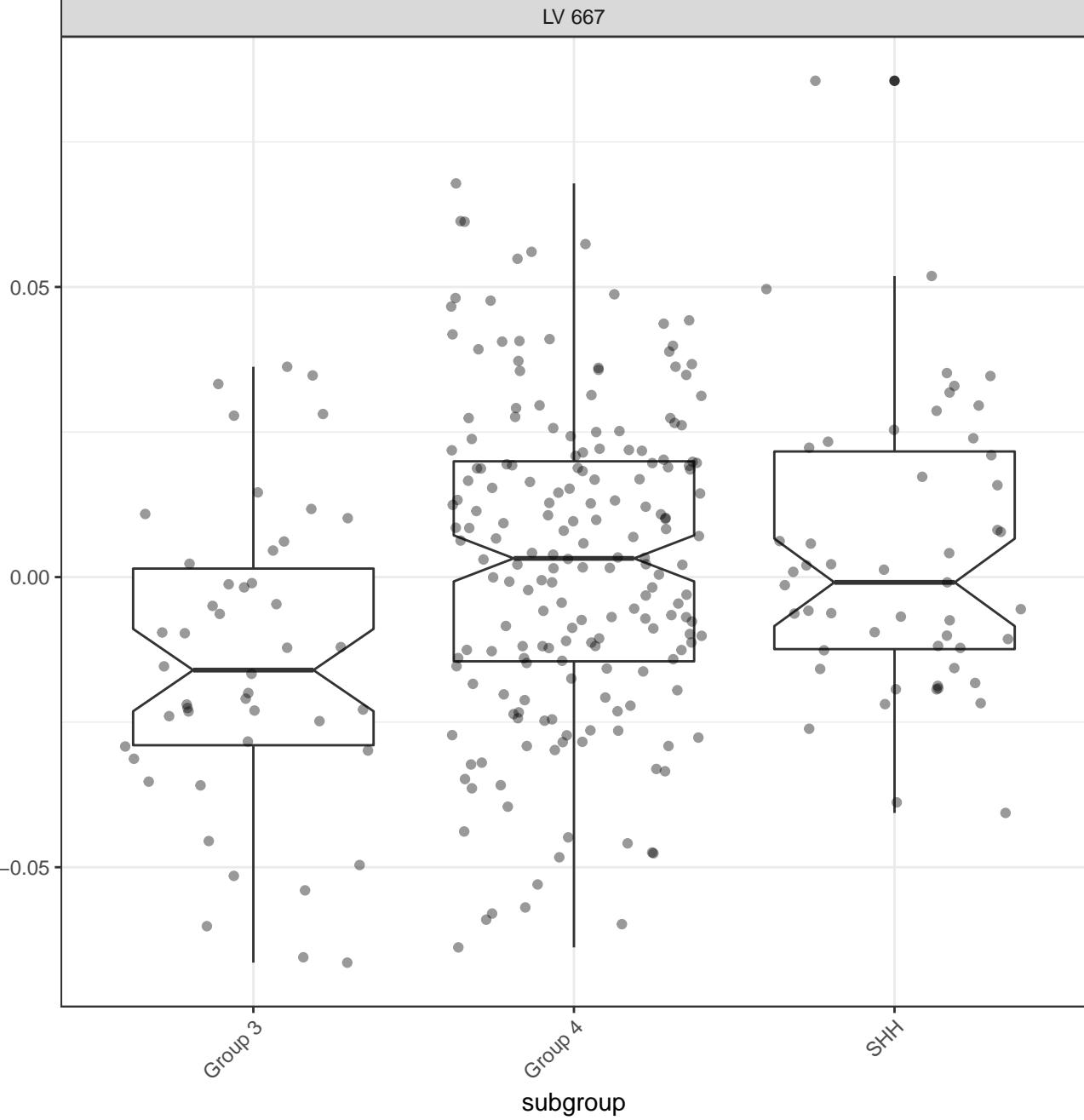
subgroup

Group₄

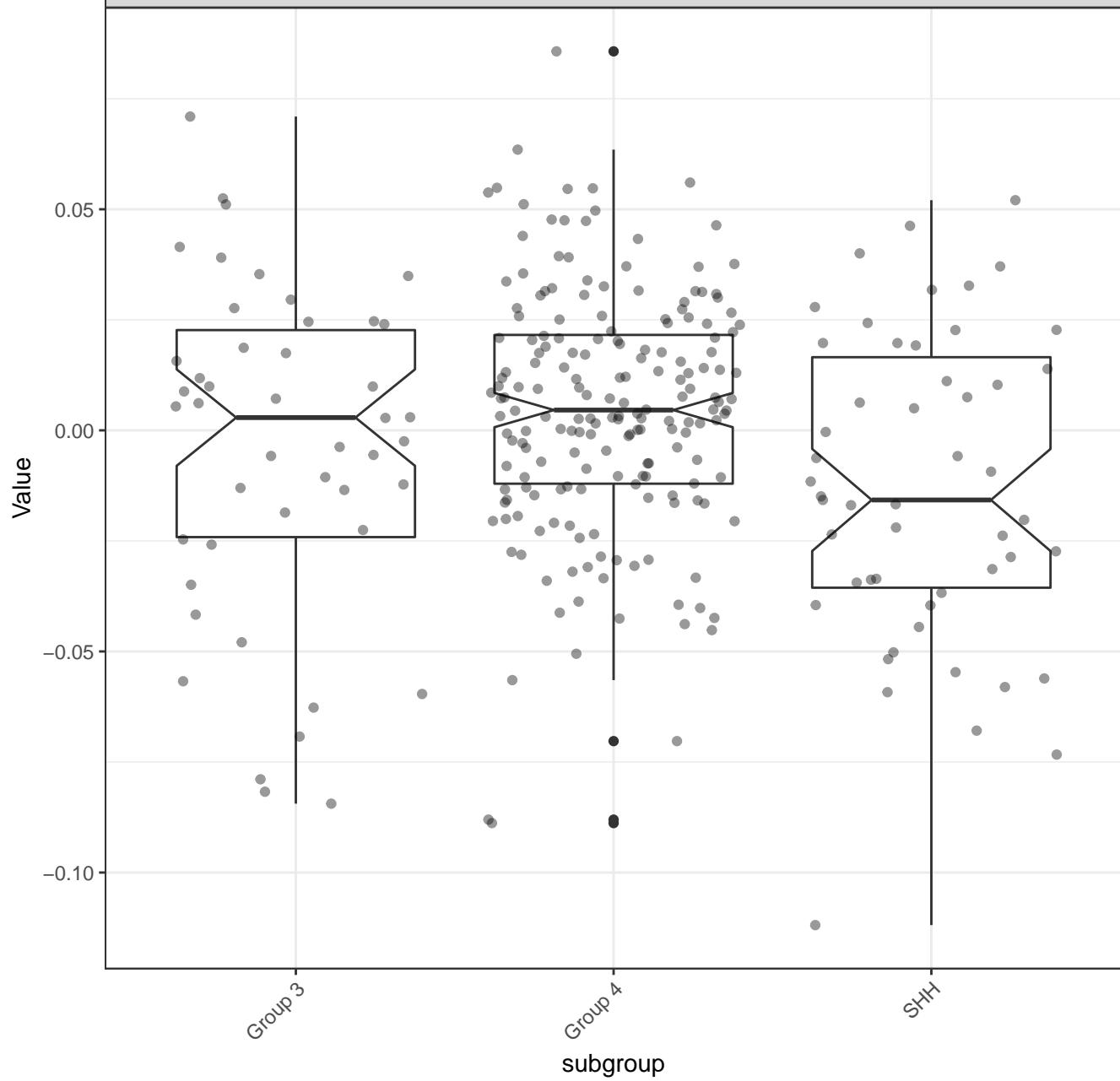
SHH

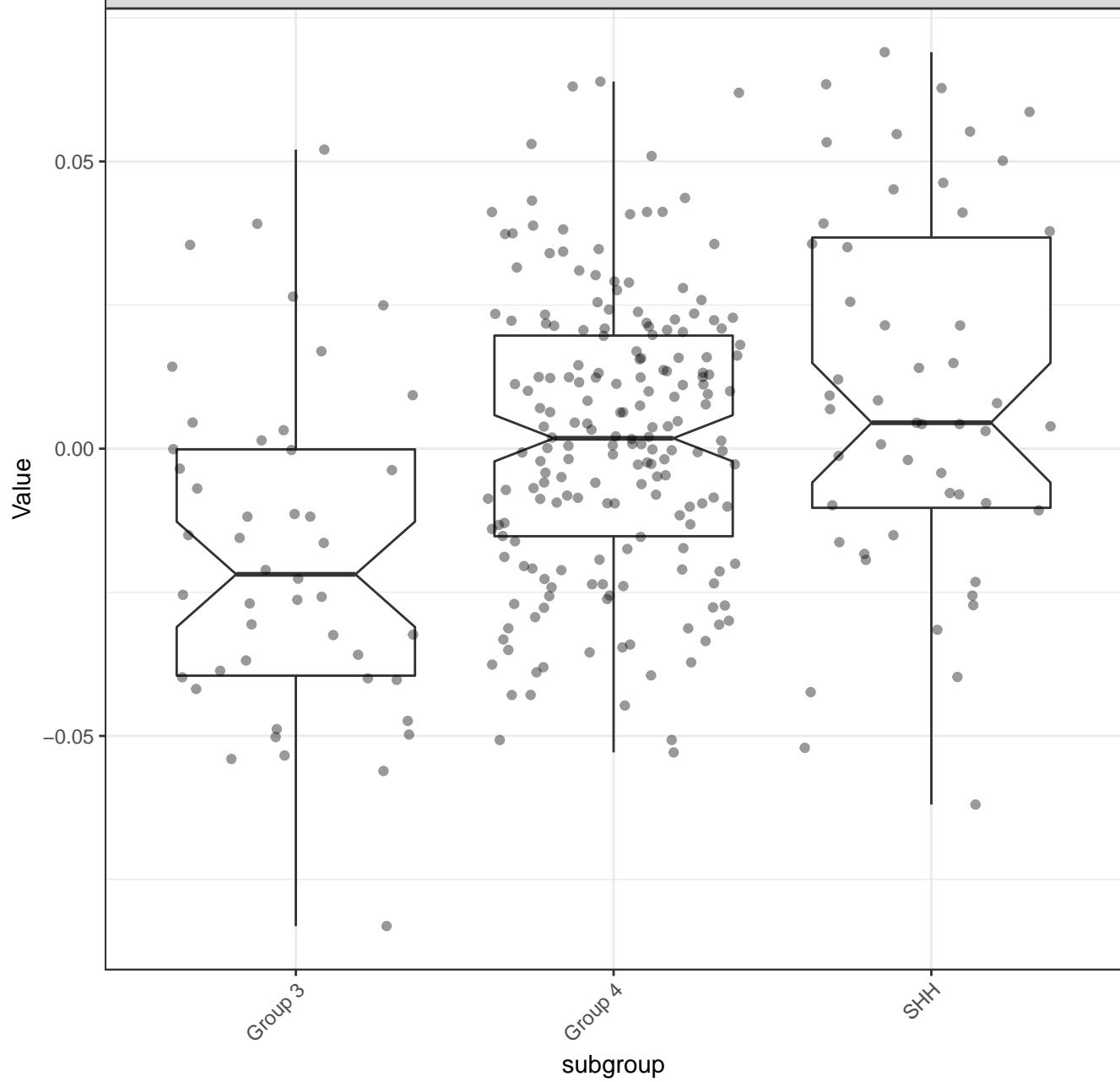


Value



LV 668





670,REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSPORTERS

Value

0.1

0.0

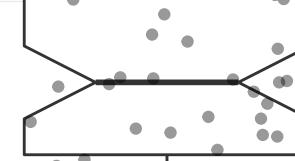
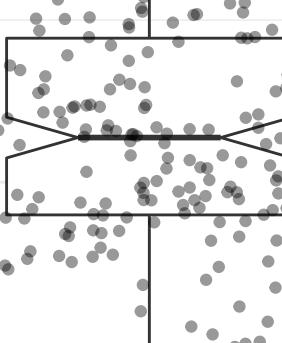
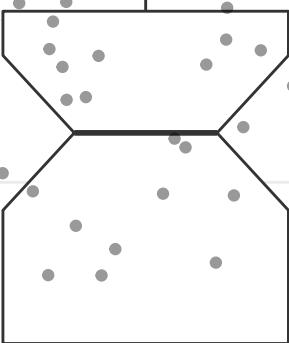
-0.1

Group 3

Group 4

SHH

subgroup



671,REACTOME_COLLAGEN_FORMATION

Value

0.2

0.1

0.0

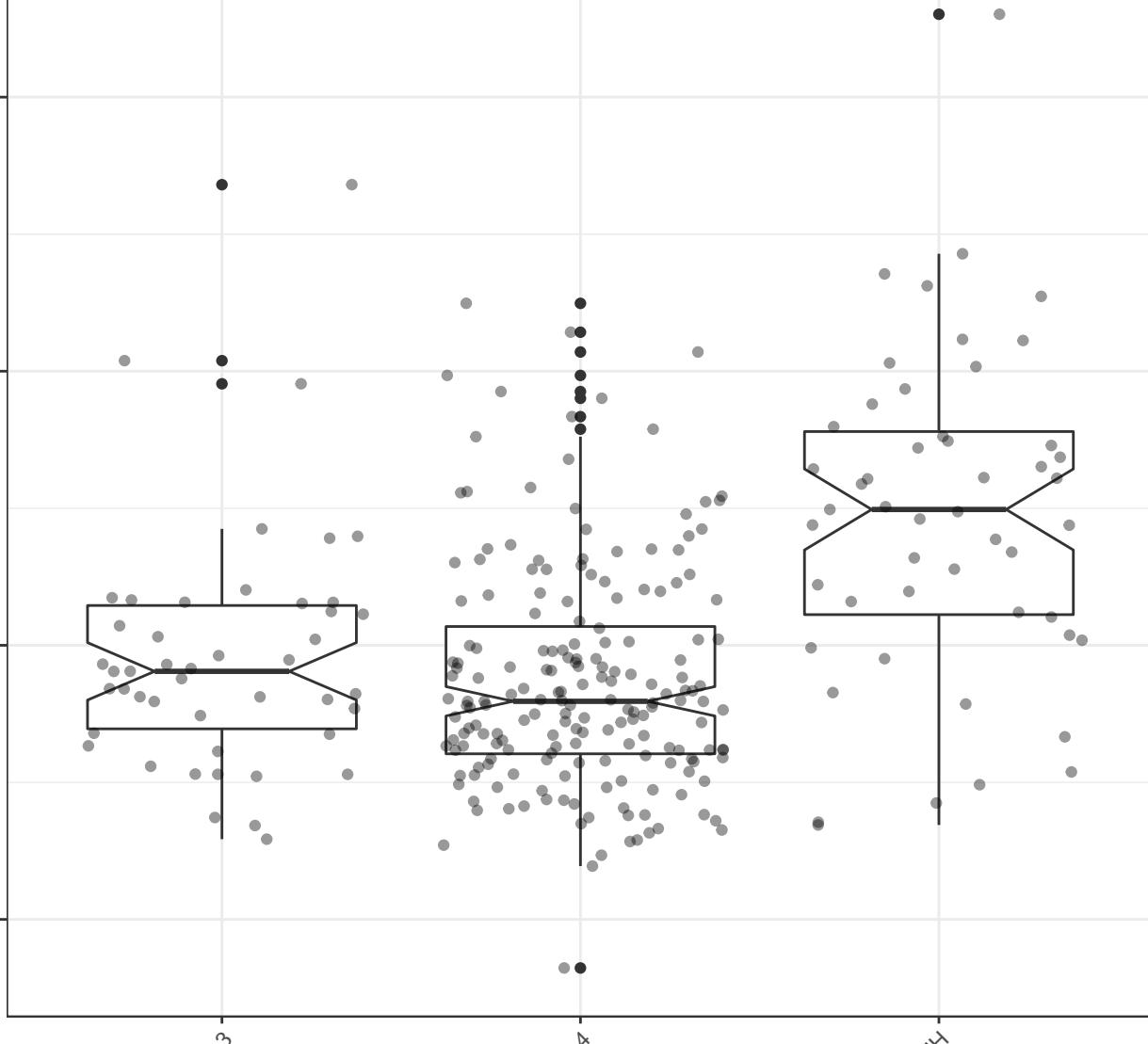
-0.1

Group 3

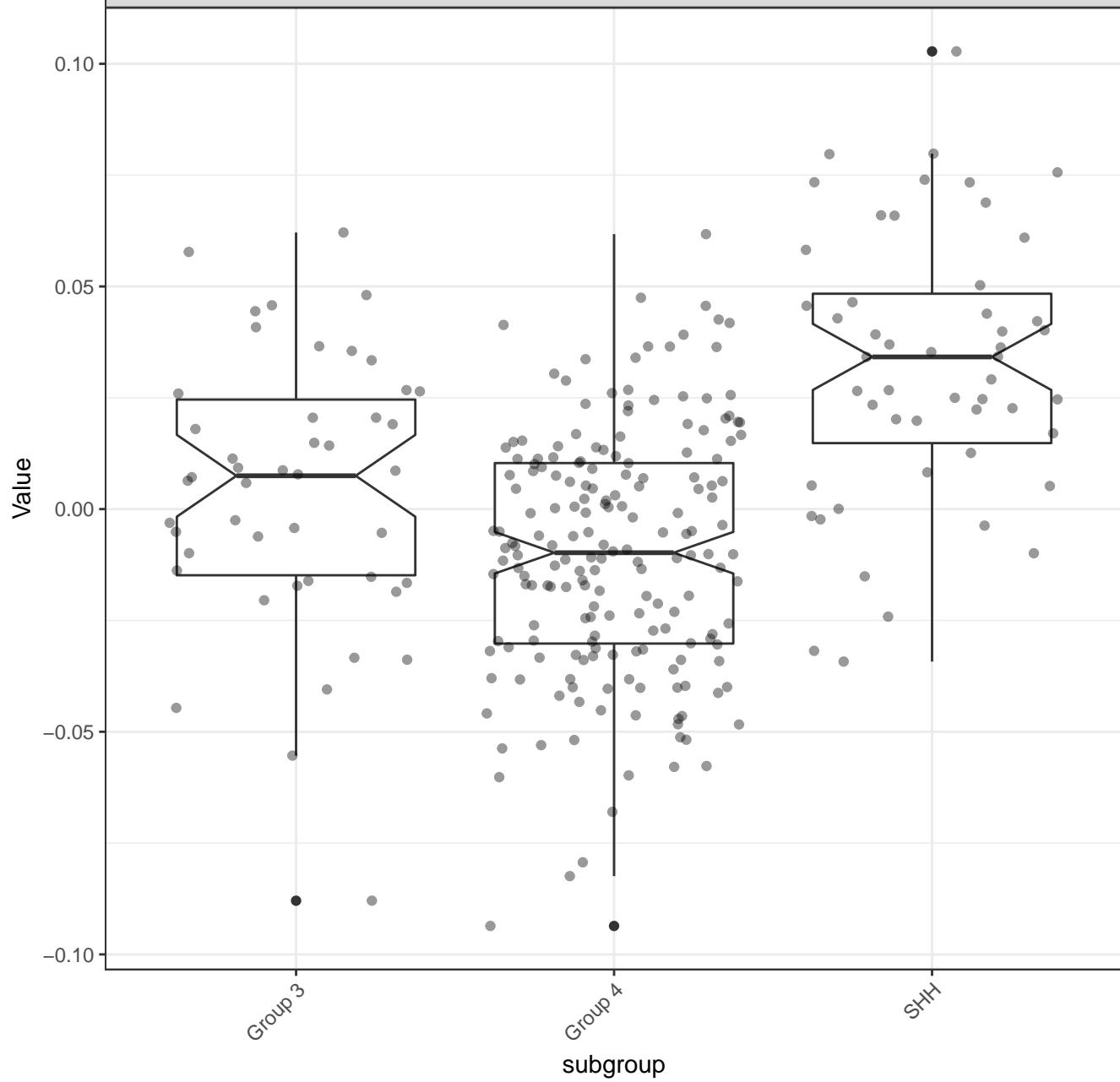
Group 4

SHH

subgroup



LV 672



Value

0.04

0.00

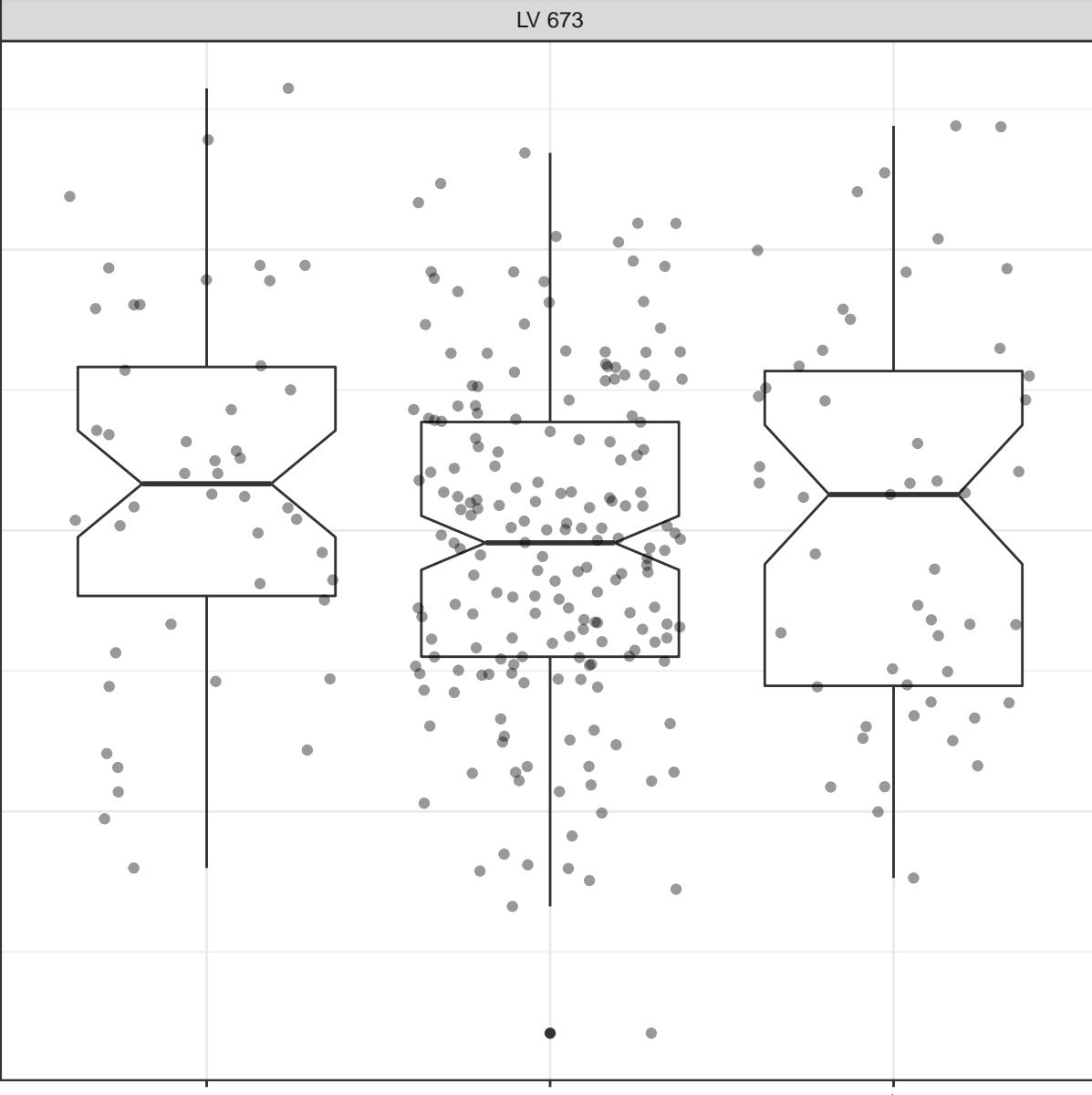
-0.04

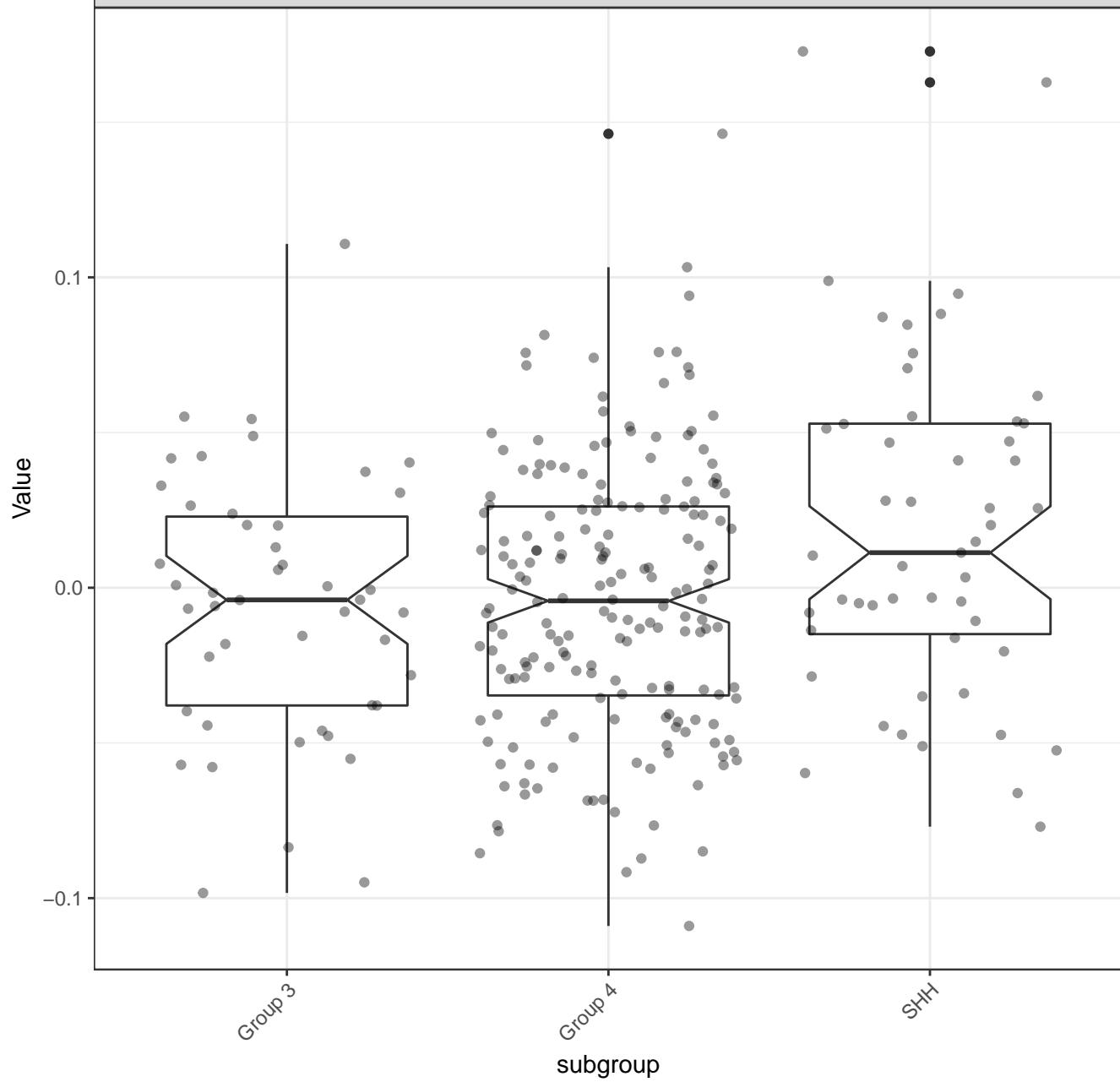
Group 3

subgroup

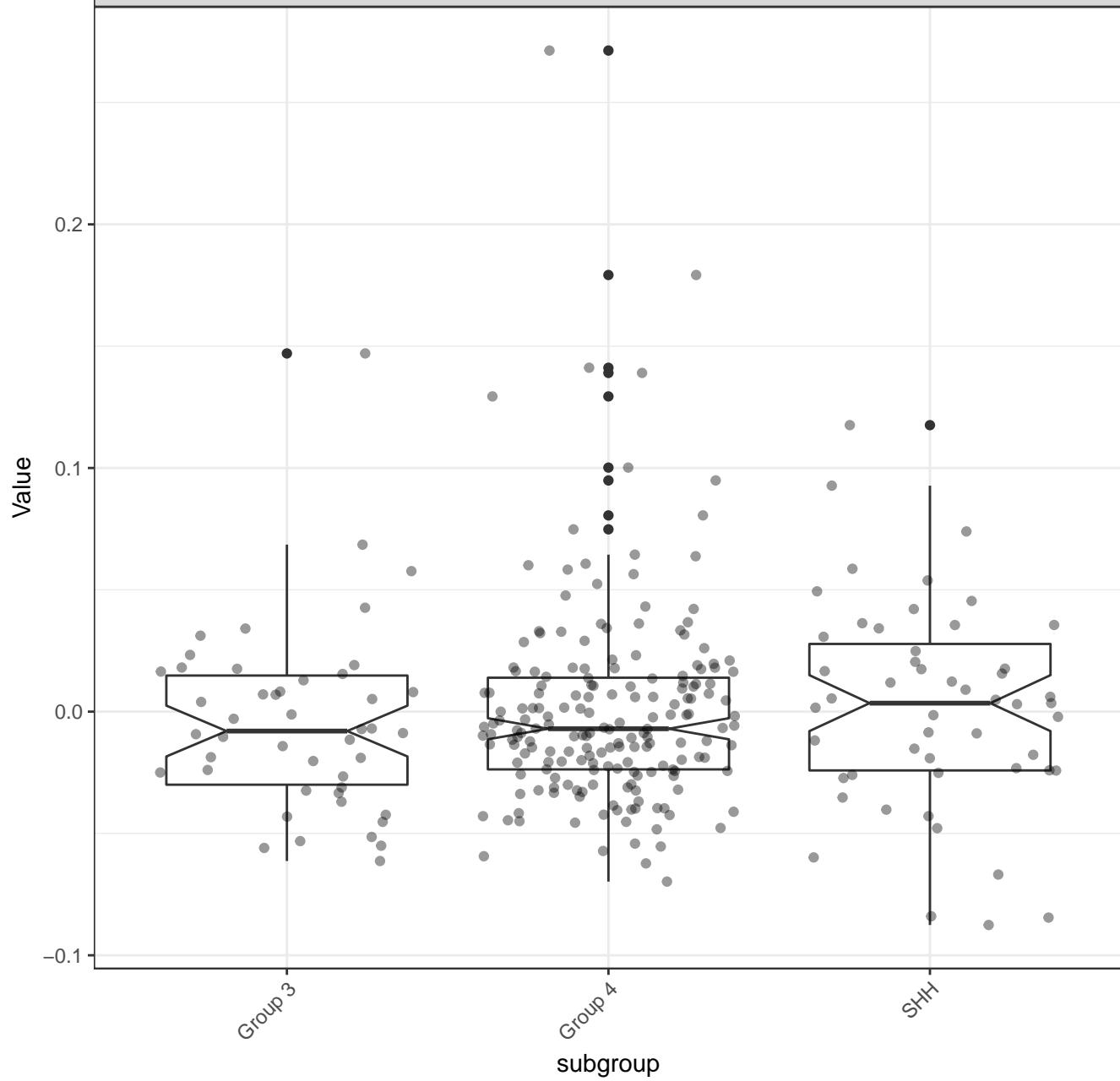
Group 4

SHH





675,IRIS_Neutrophil–Resting



LV 676

Value

0.10

0.05

0.00

-0.05

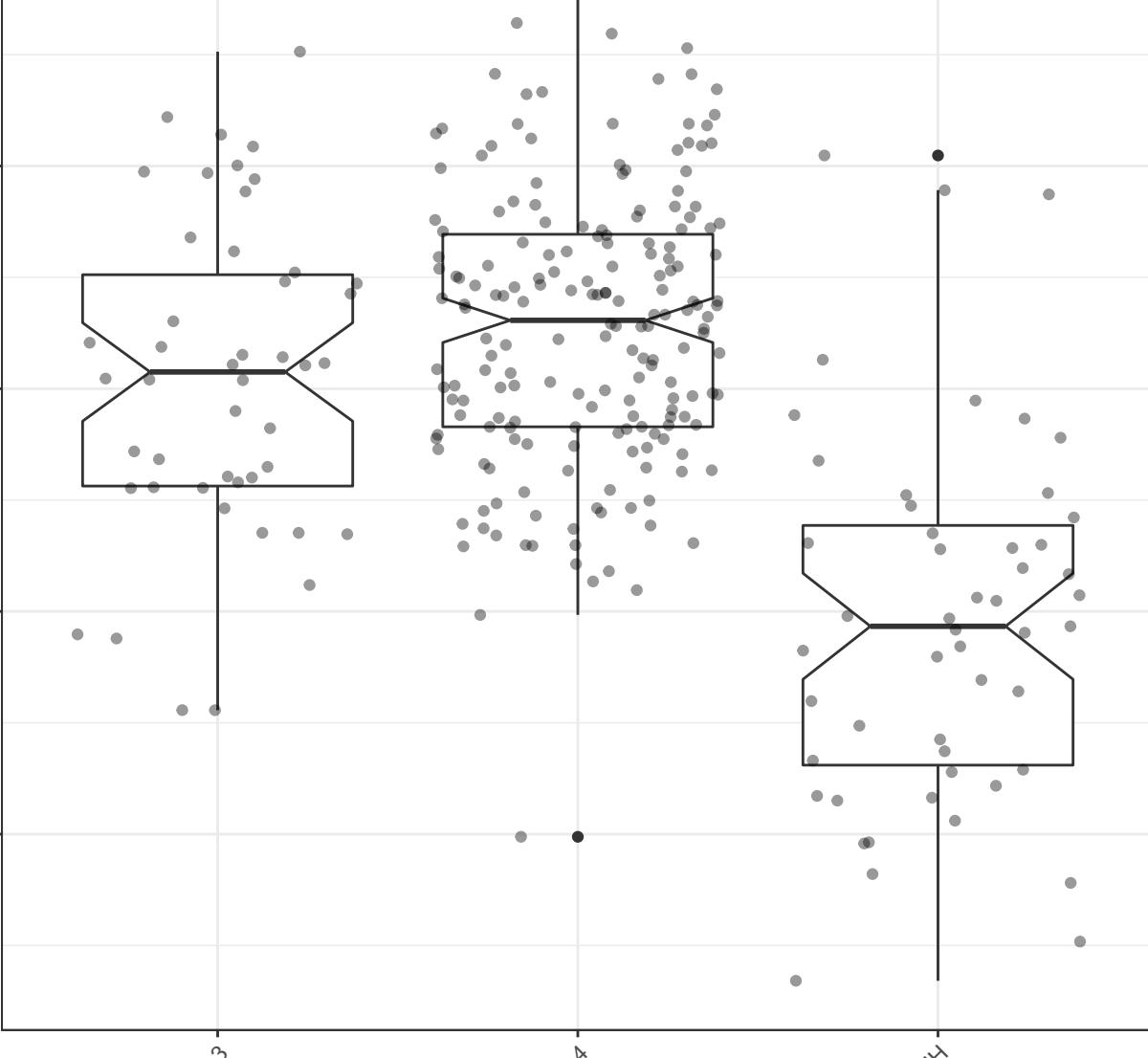
-0.10

Group 3

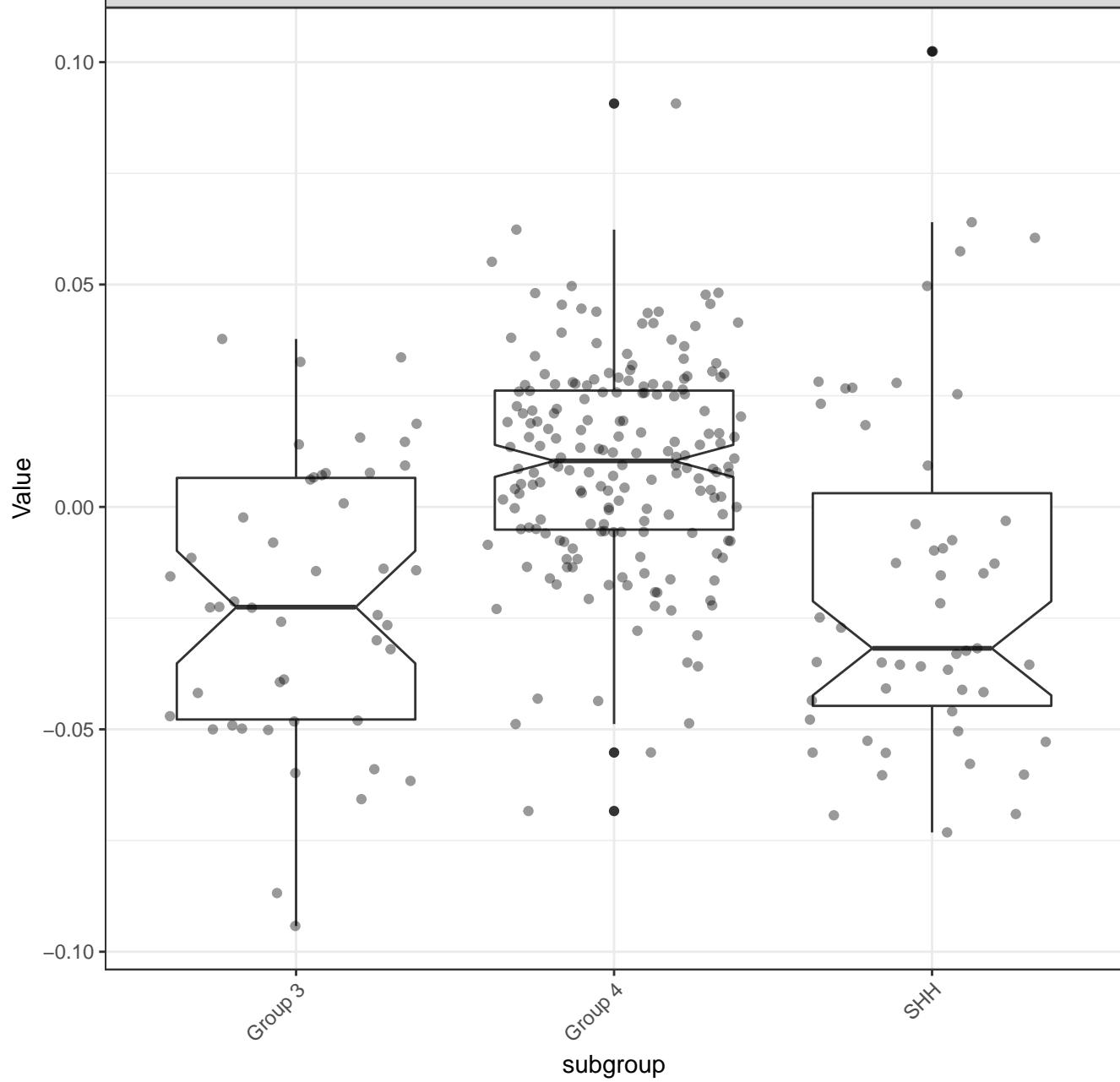
Group 4

SHH

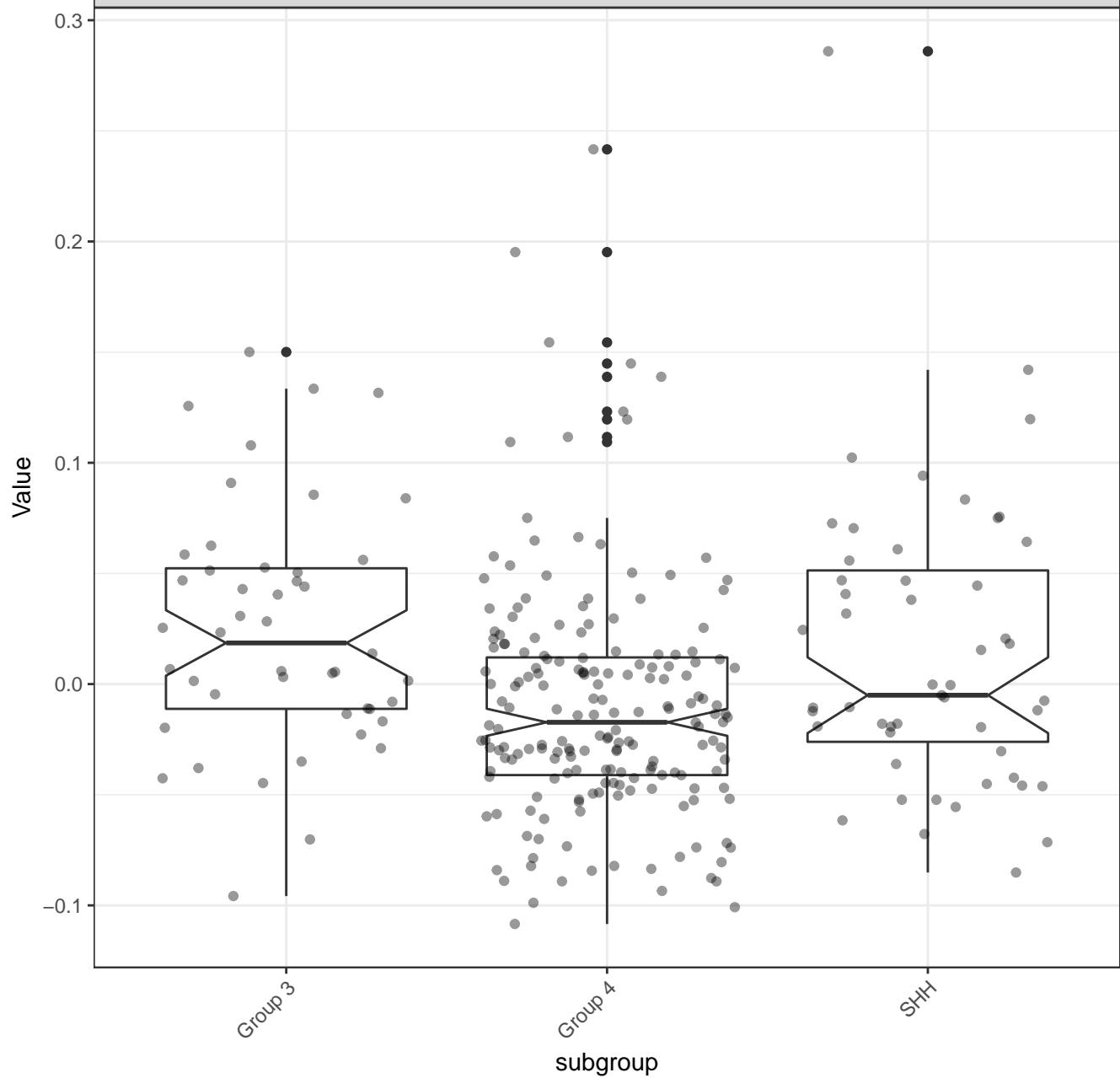
subgroup



LV 677



ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING_AND_HEAT_PRODUCTION



LV 679

Value

0.10

0.05

0.00

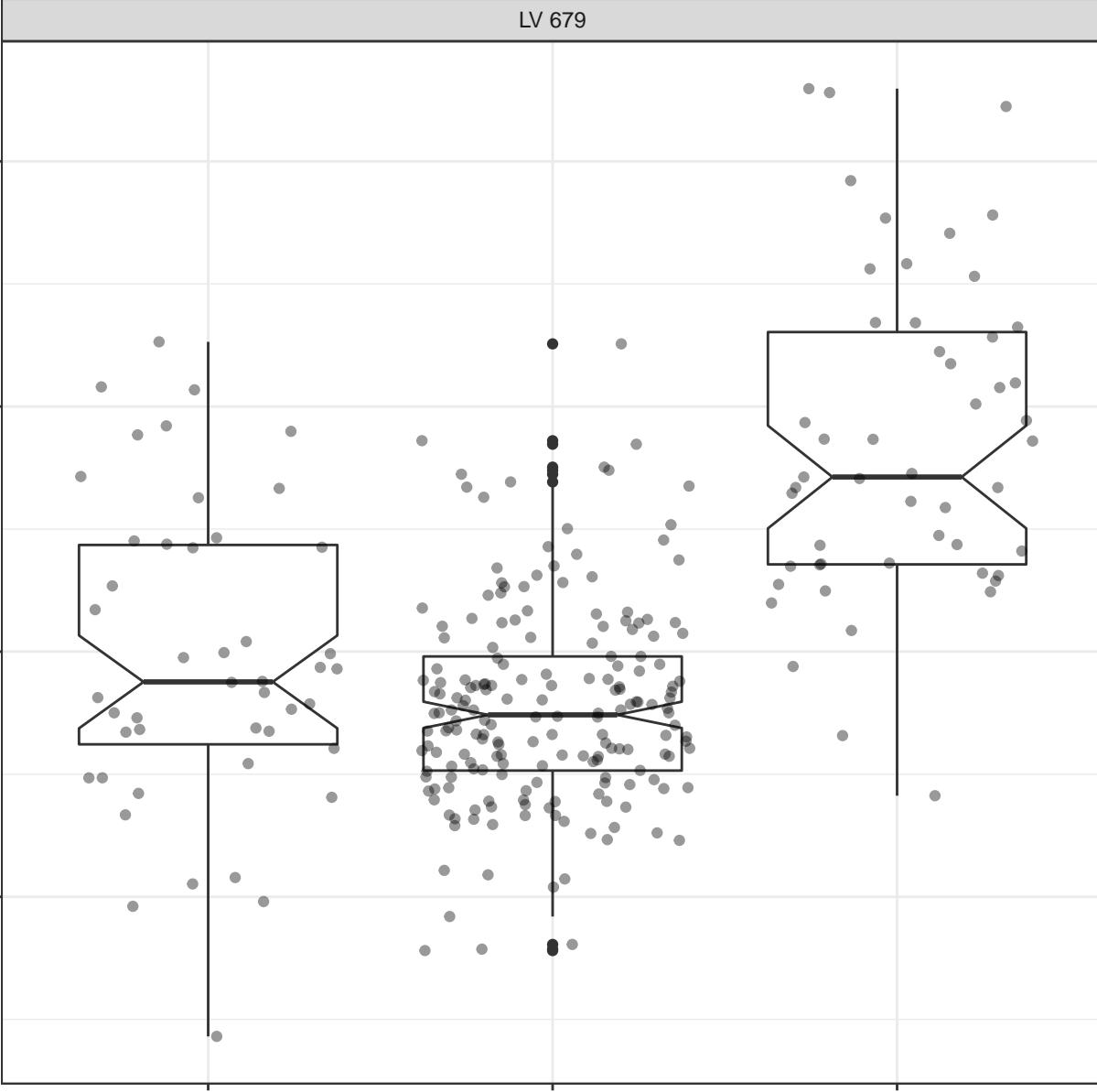
-0.05

Group 3

subgroup

Group 4

SHH



LV 680

Value

0.10

0.05

0.00

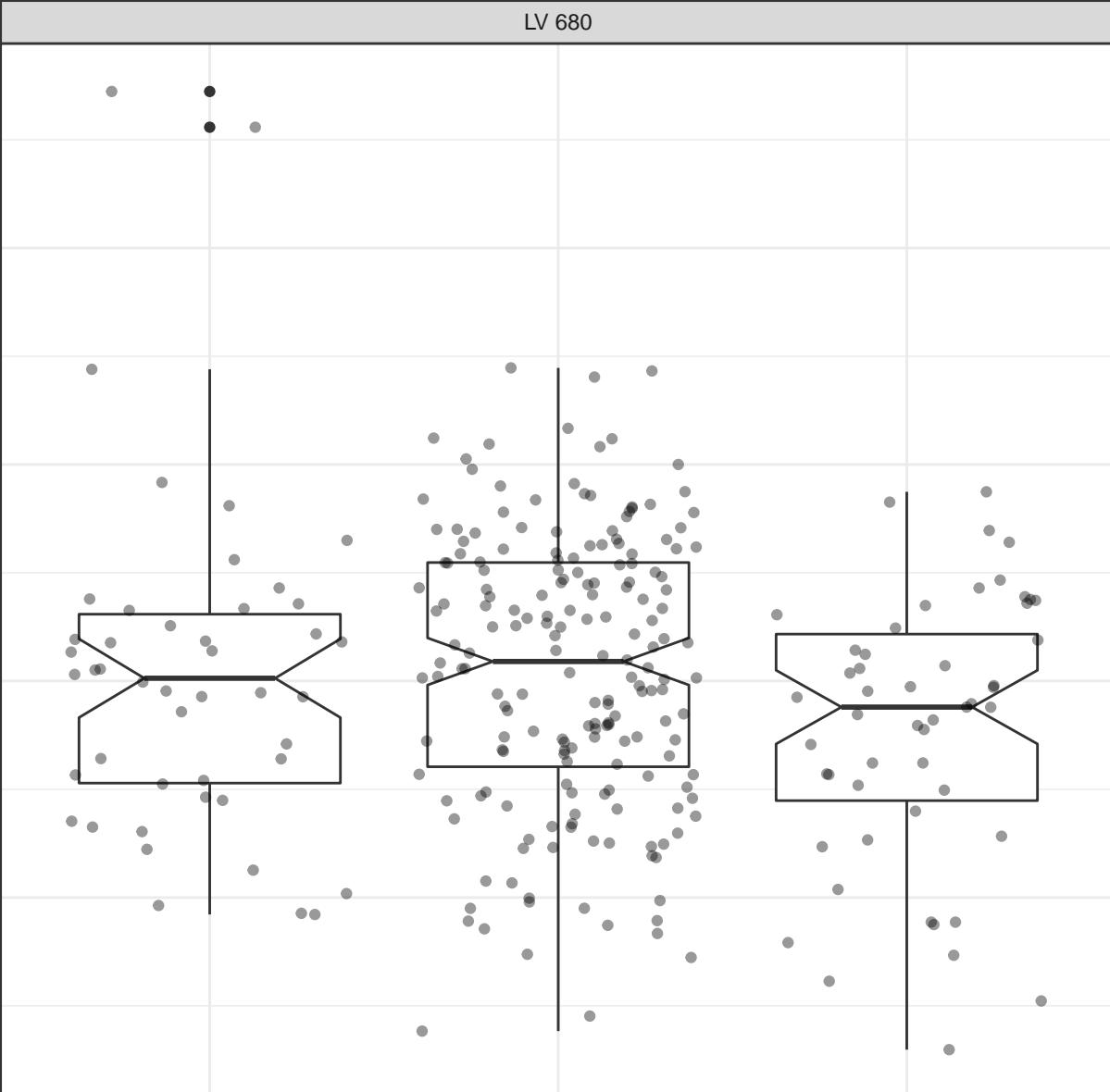
-0.05

Group 3

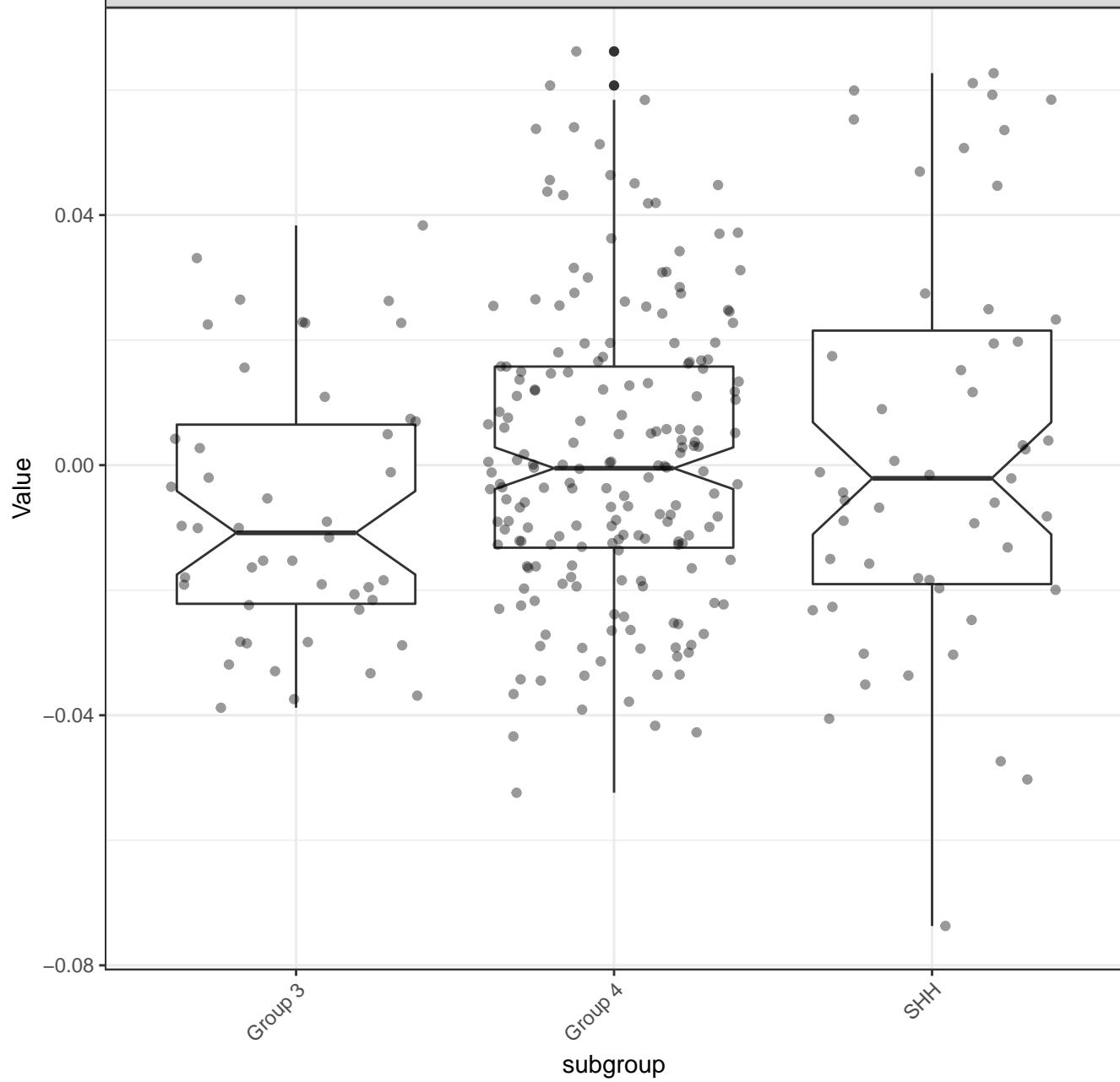
subgroup

Group 4

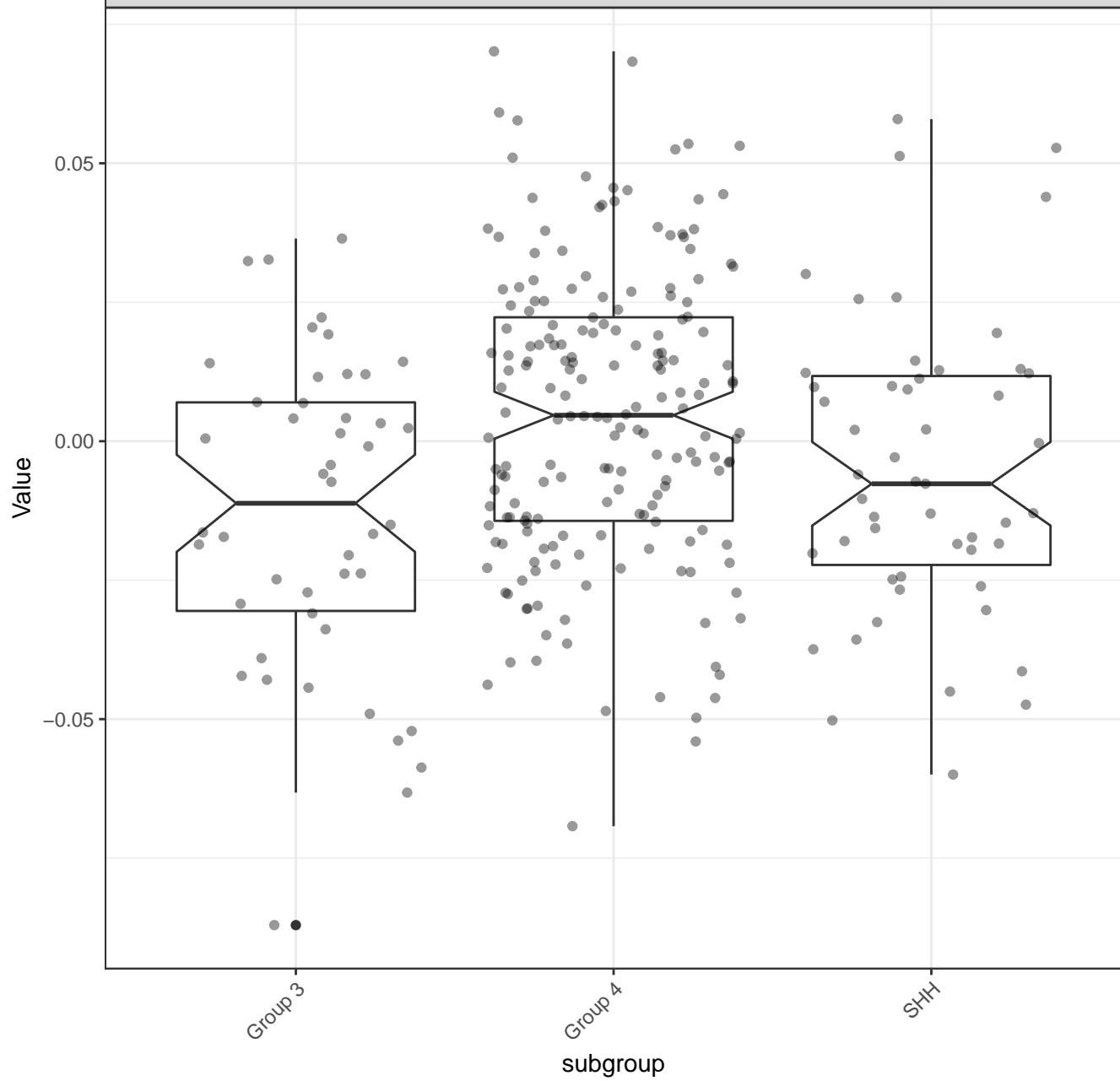
SHH



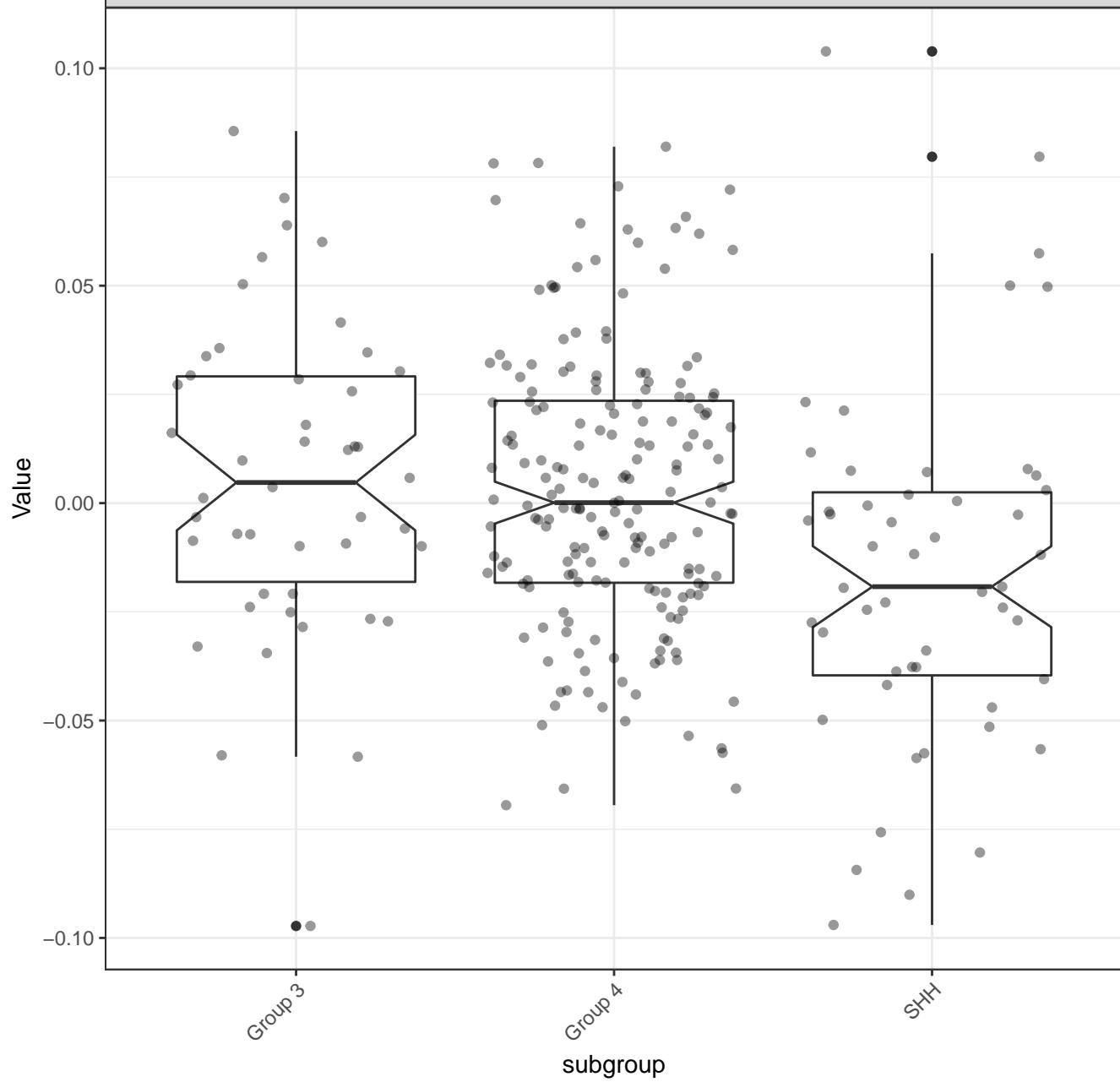
LV 681



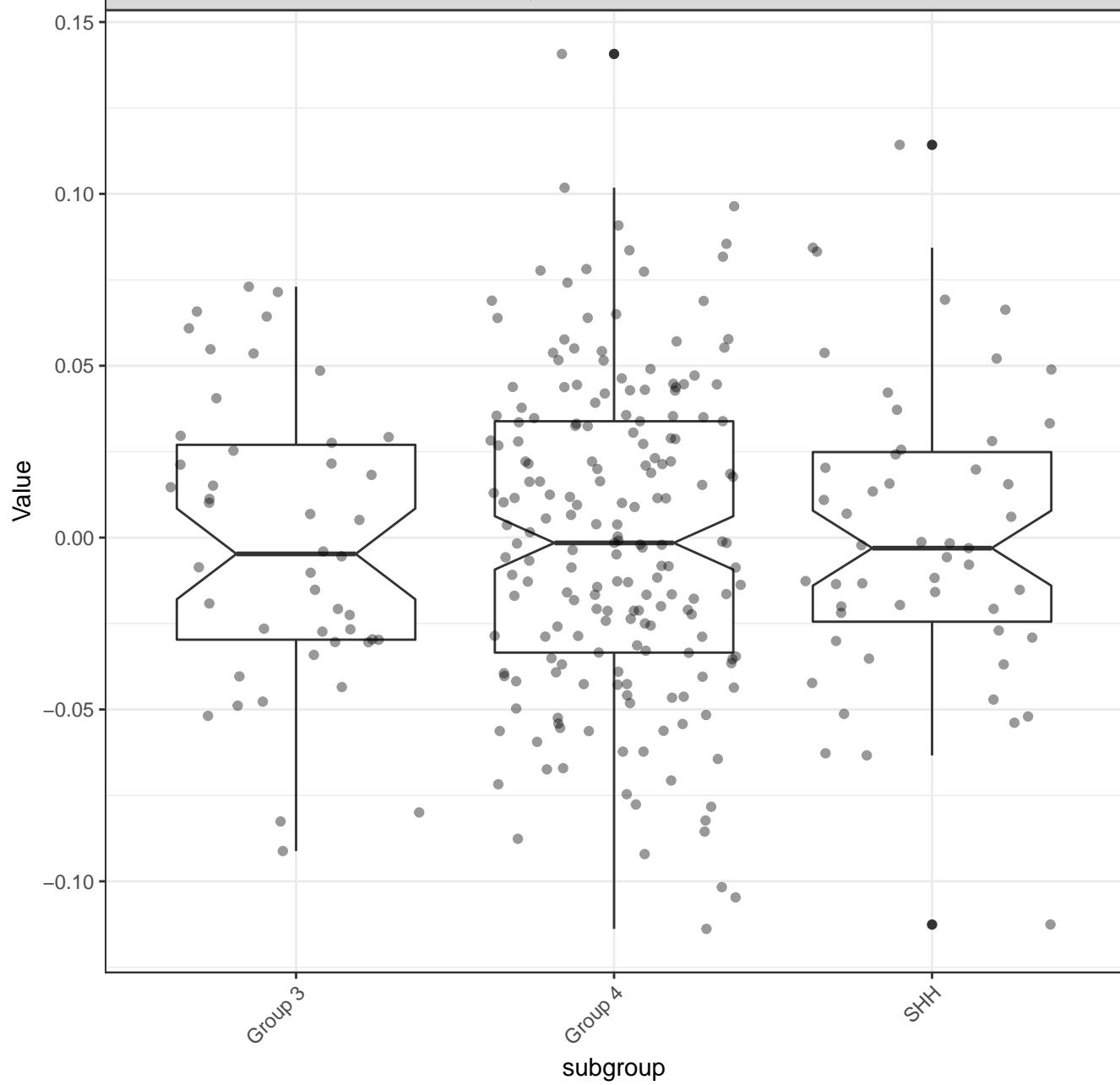
LV 682



LV 683



684,KEGG_CELL_CYCLE



LV 685

Value

0.04

0.00

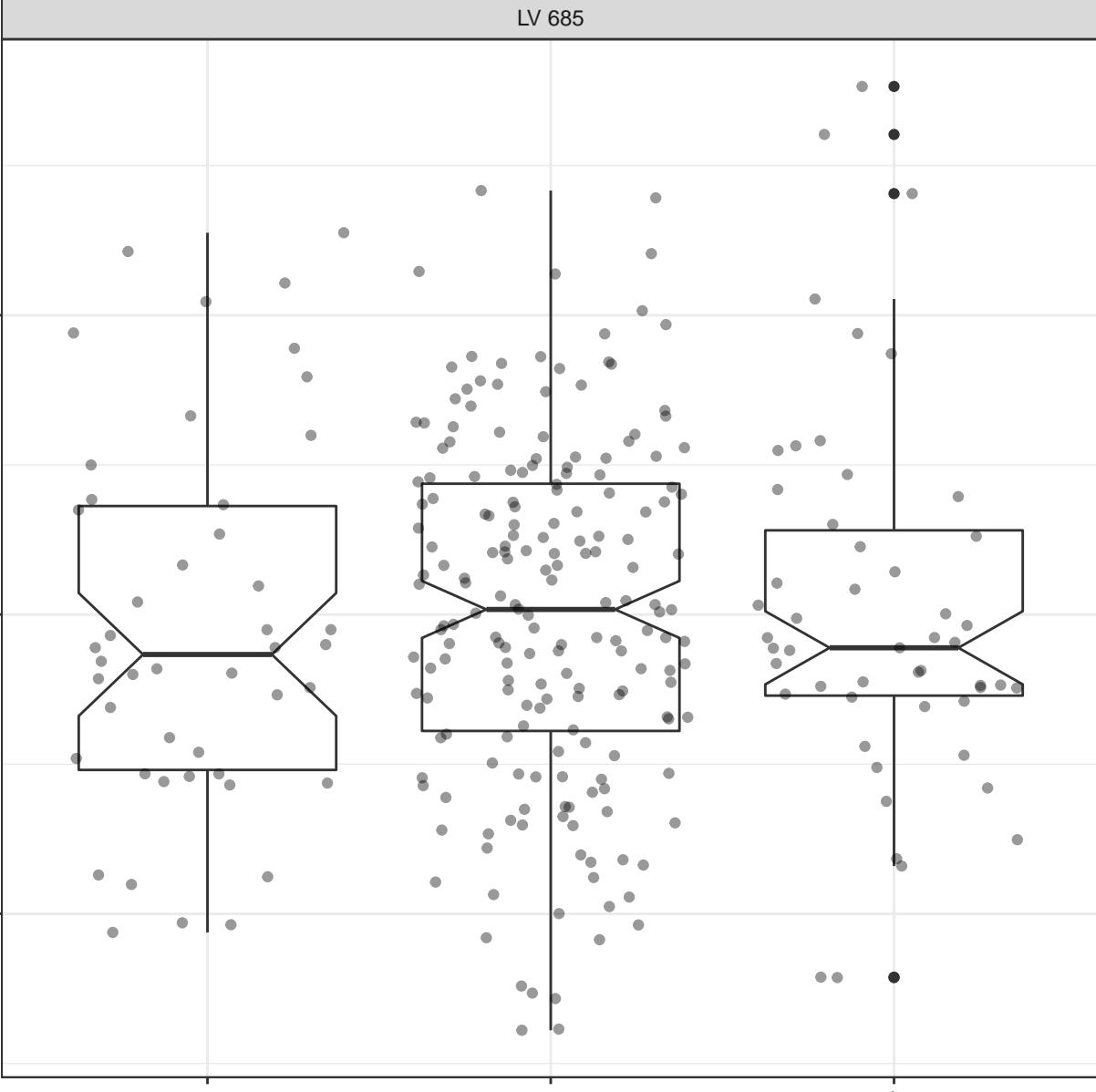
-0.04

Group 3

subgroup

Group 4

SHH



LV 686

Value

0.10

0.05

0.00

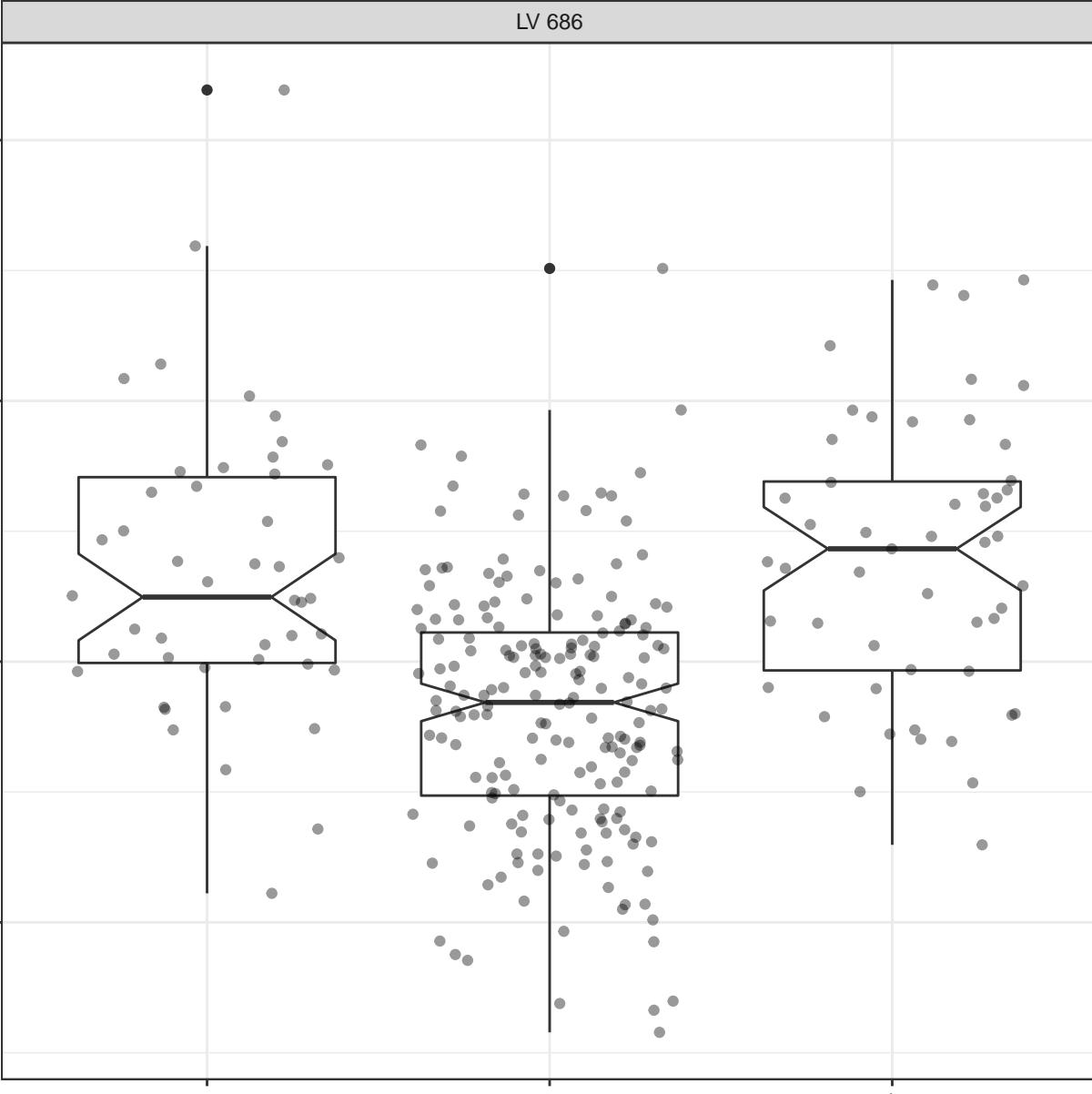
-0.05

Group 3

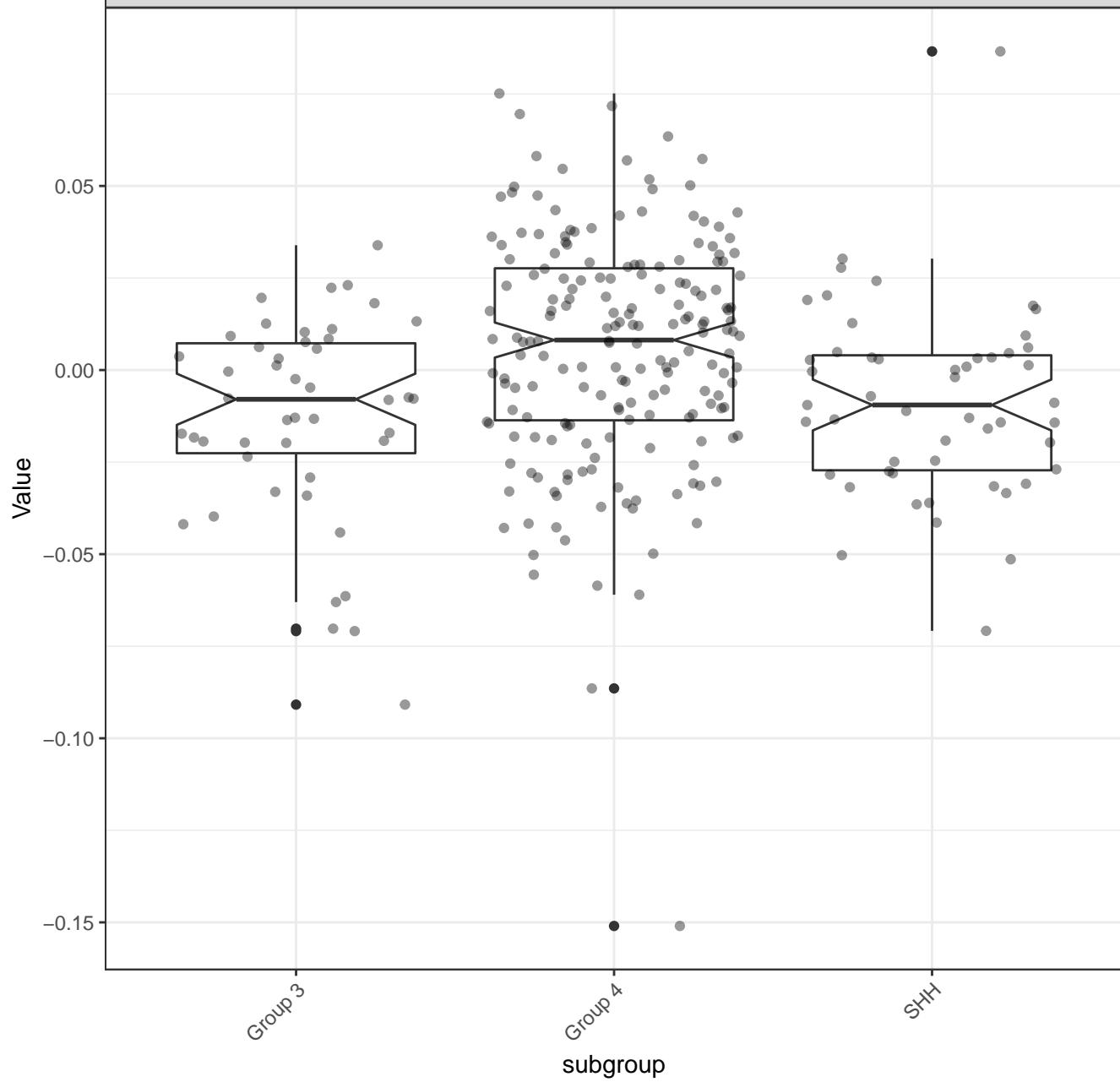
subgroup

Group 4

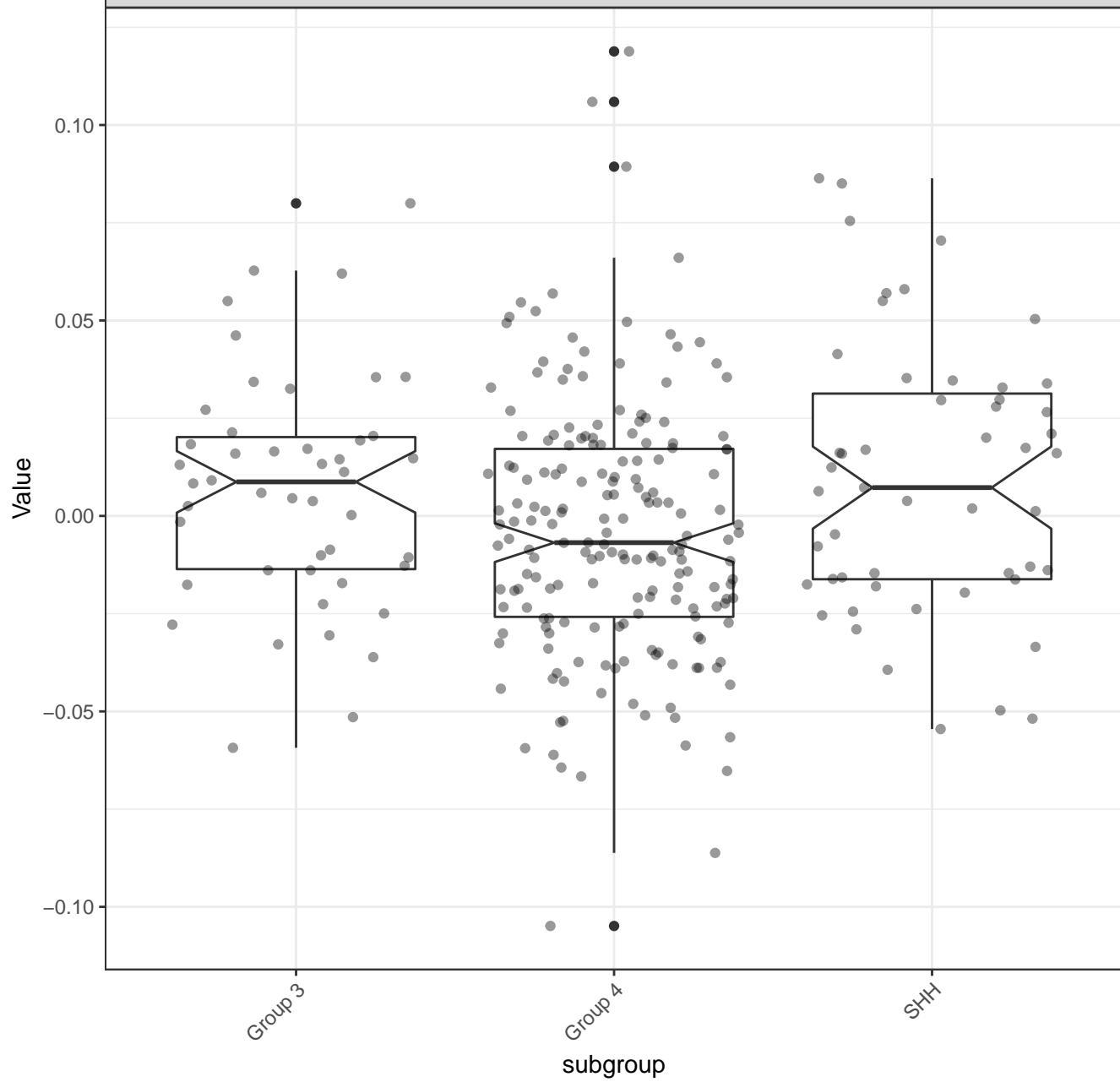
SHH



LV 687



LV 688



LV 689

Value

0.10

0.05

0.00

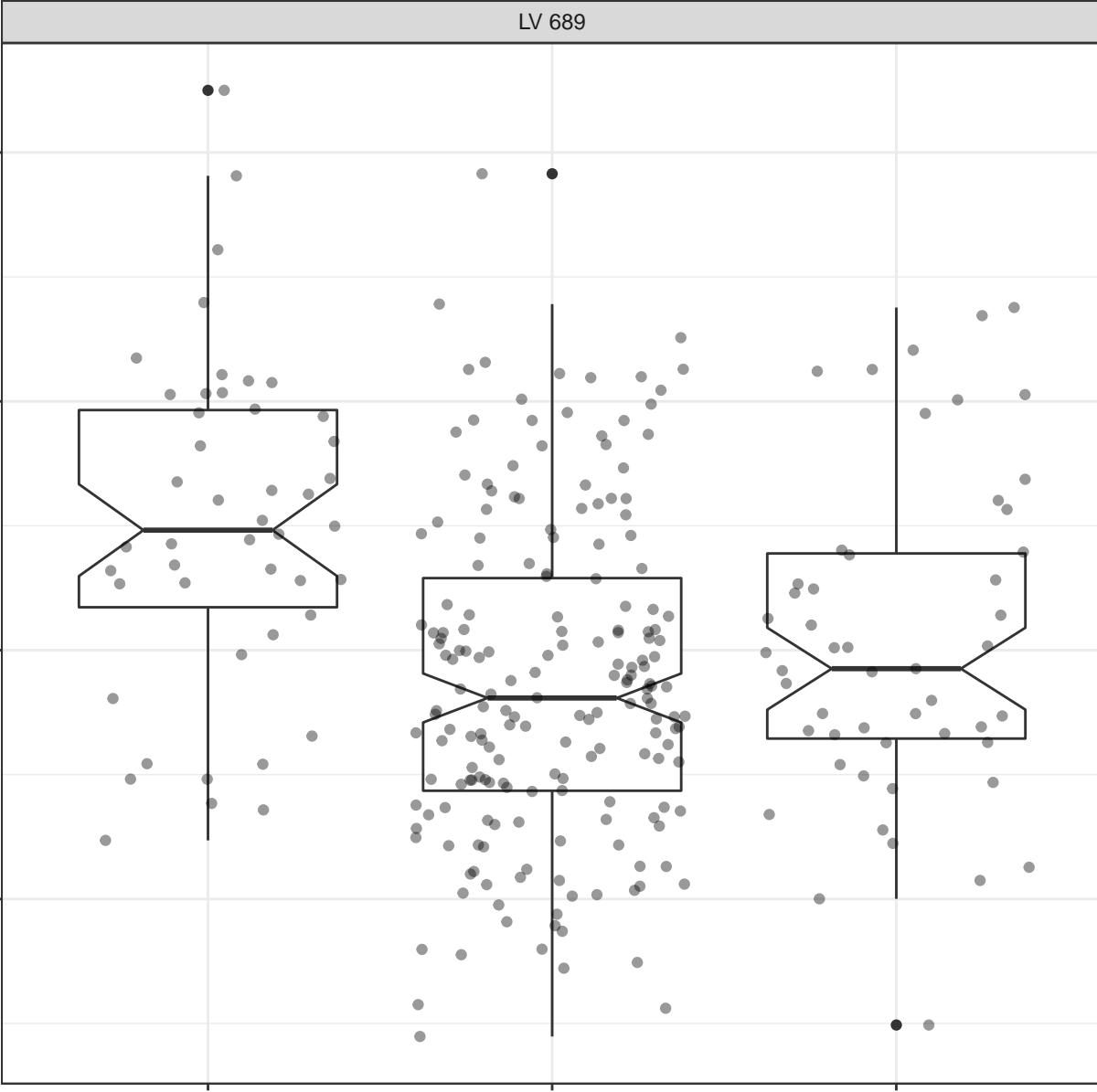
-0.05

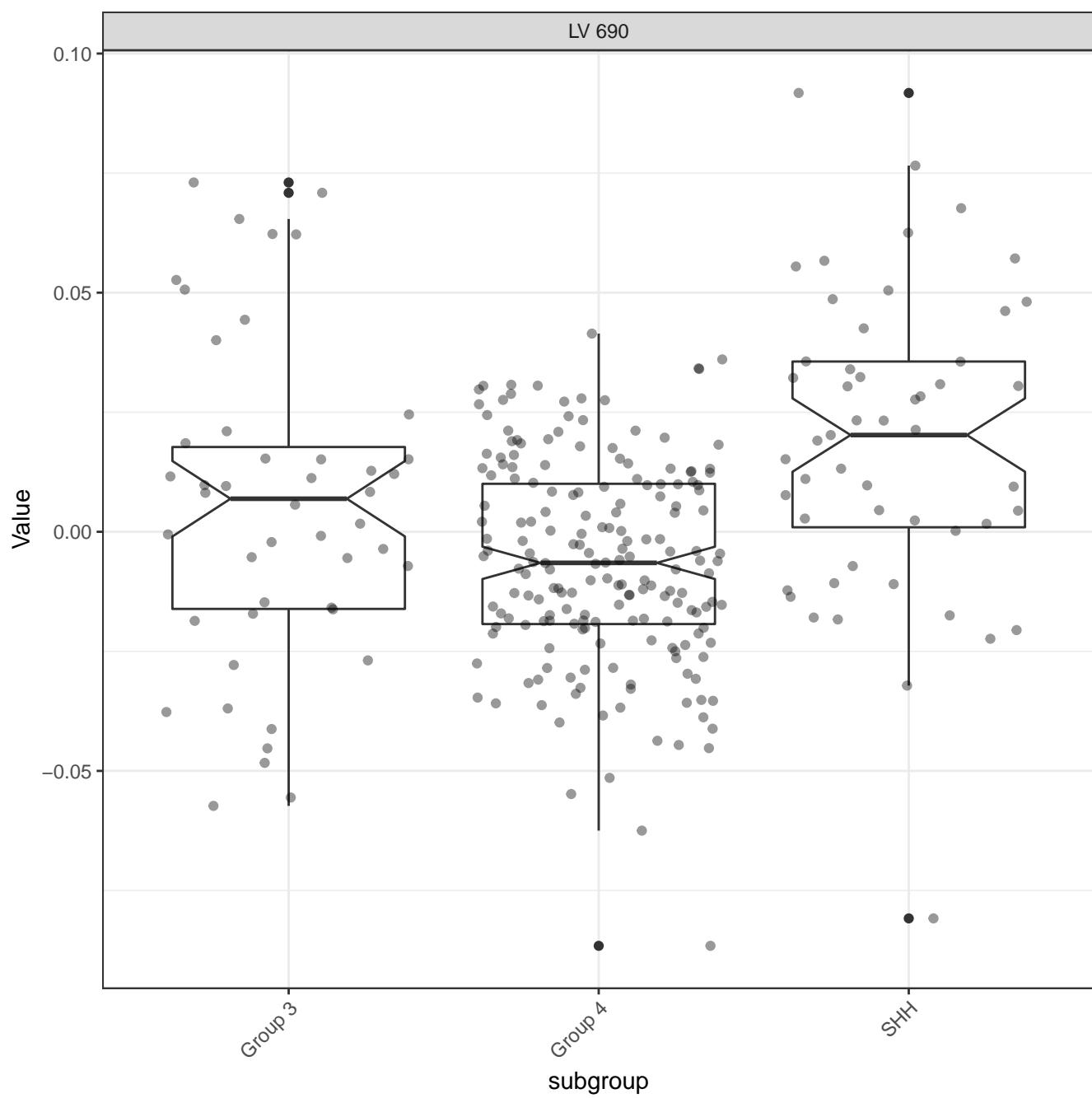
Group 3

subgroup

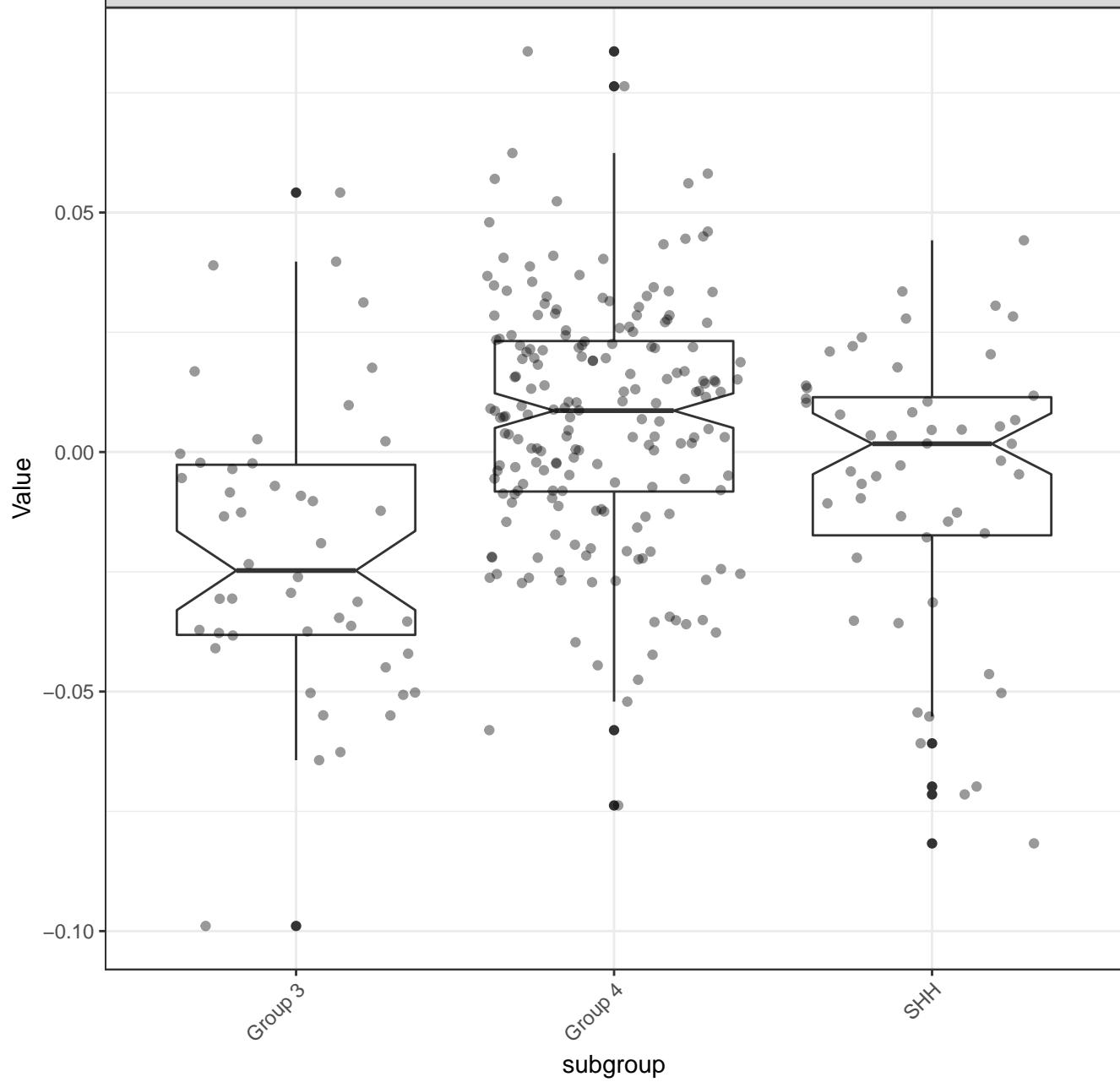
Group 4

SHH

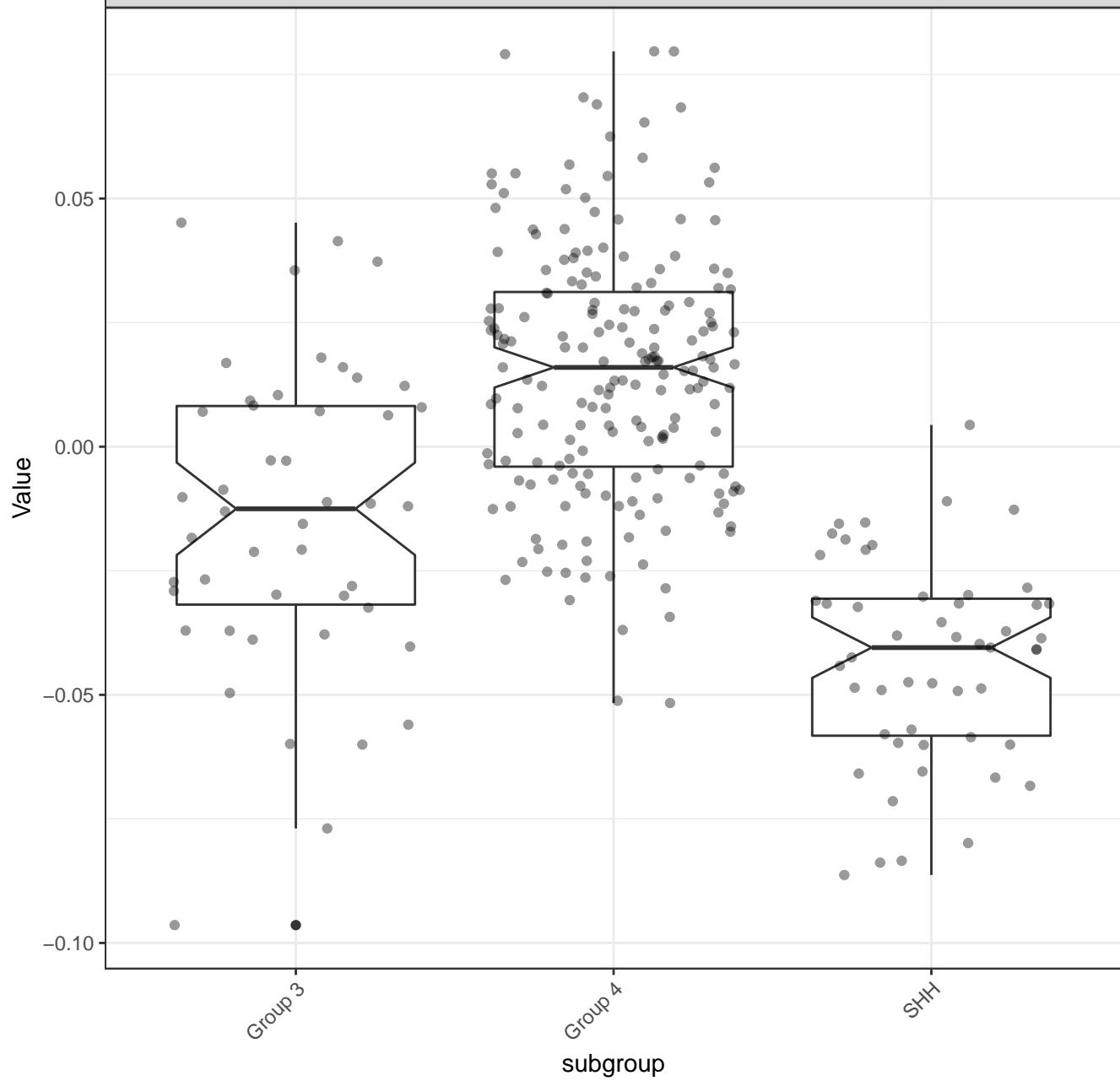




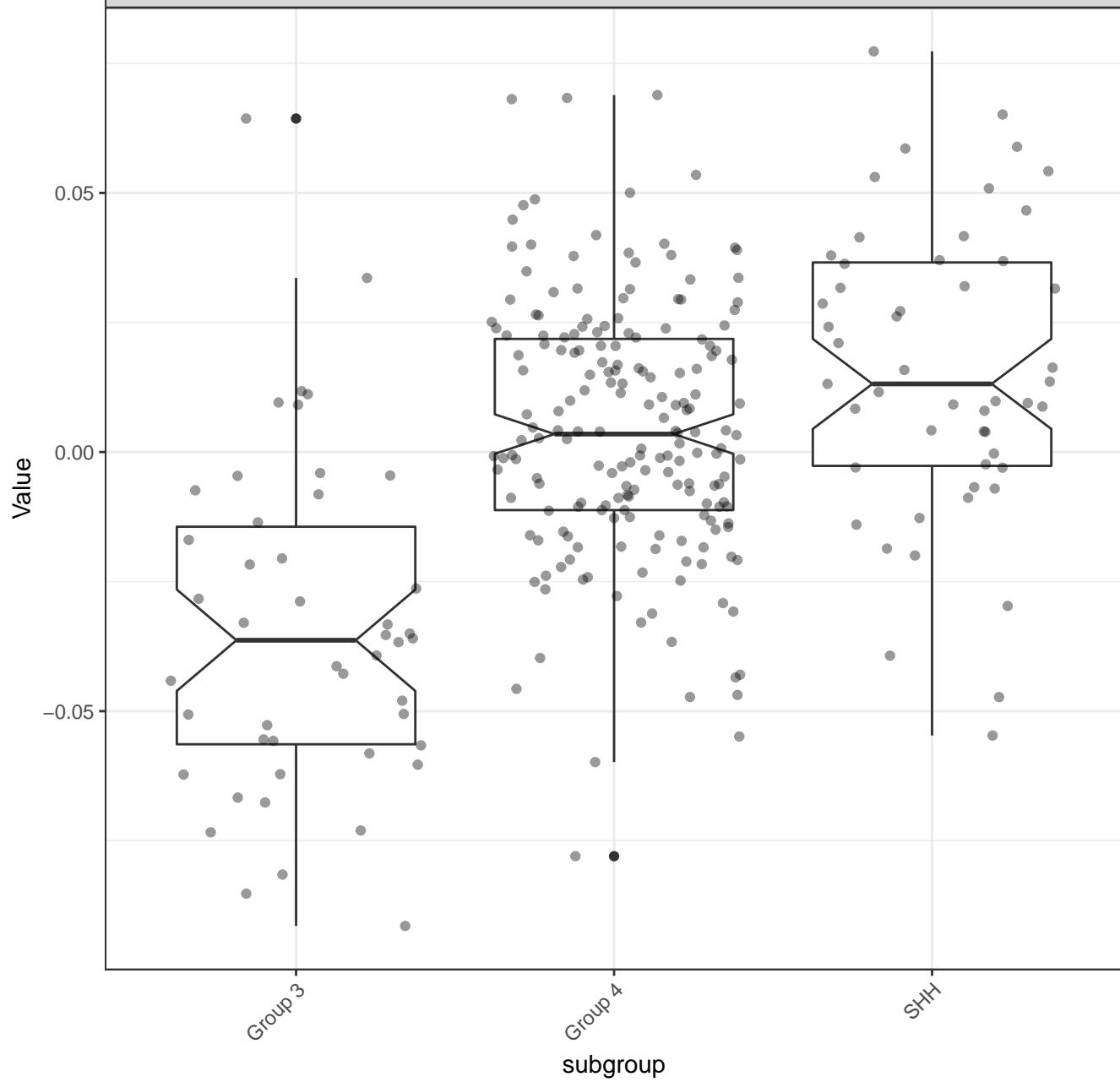
LV 691



LV 692



LV 693



LV 694

Value

0.05

0.00

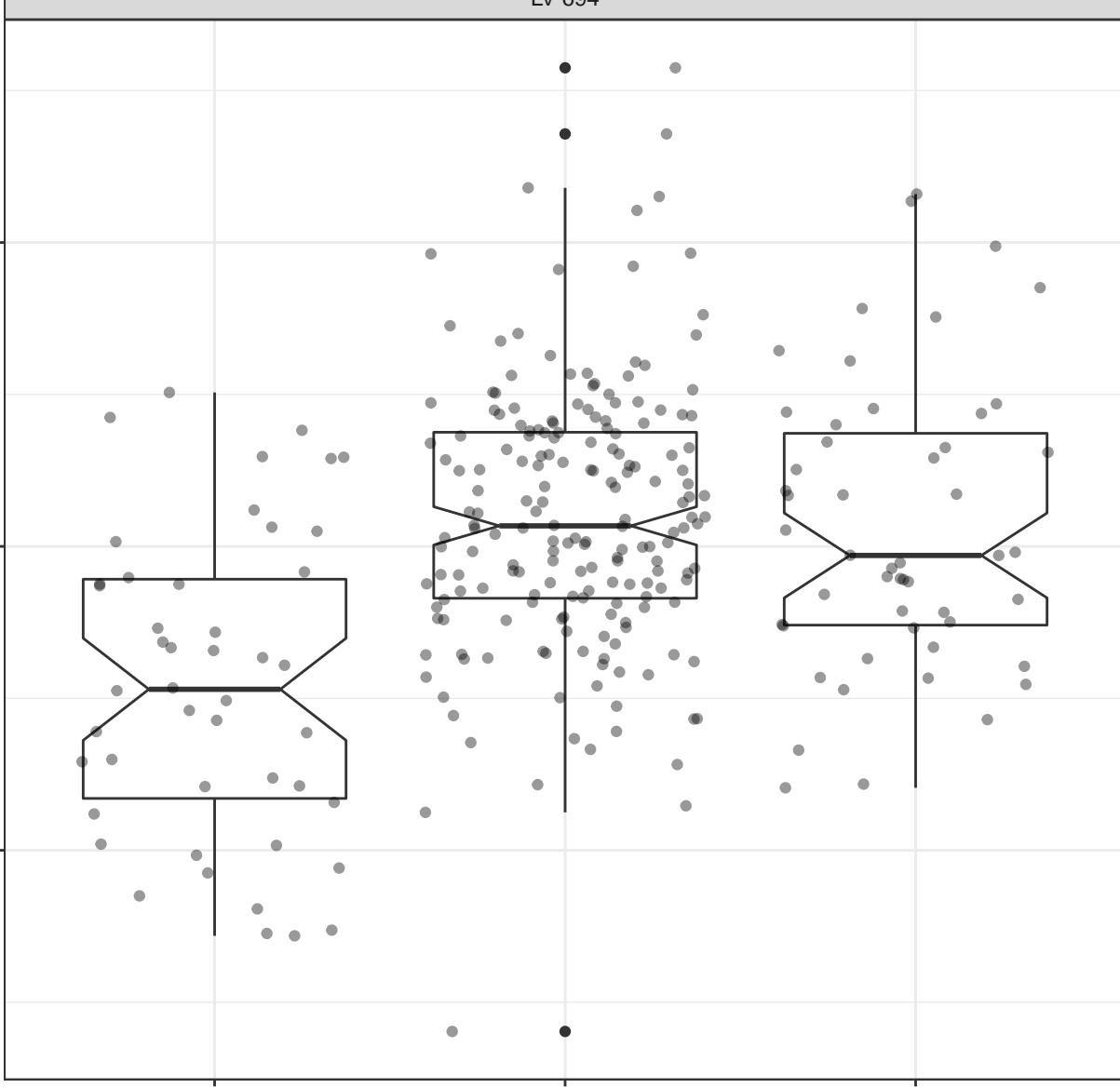
-0.05

Group 3

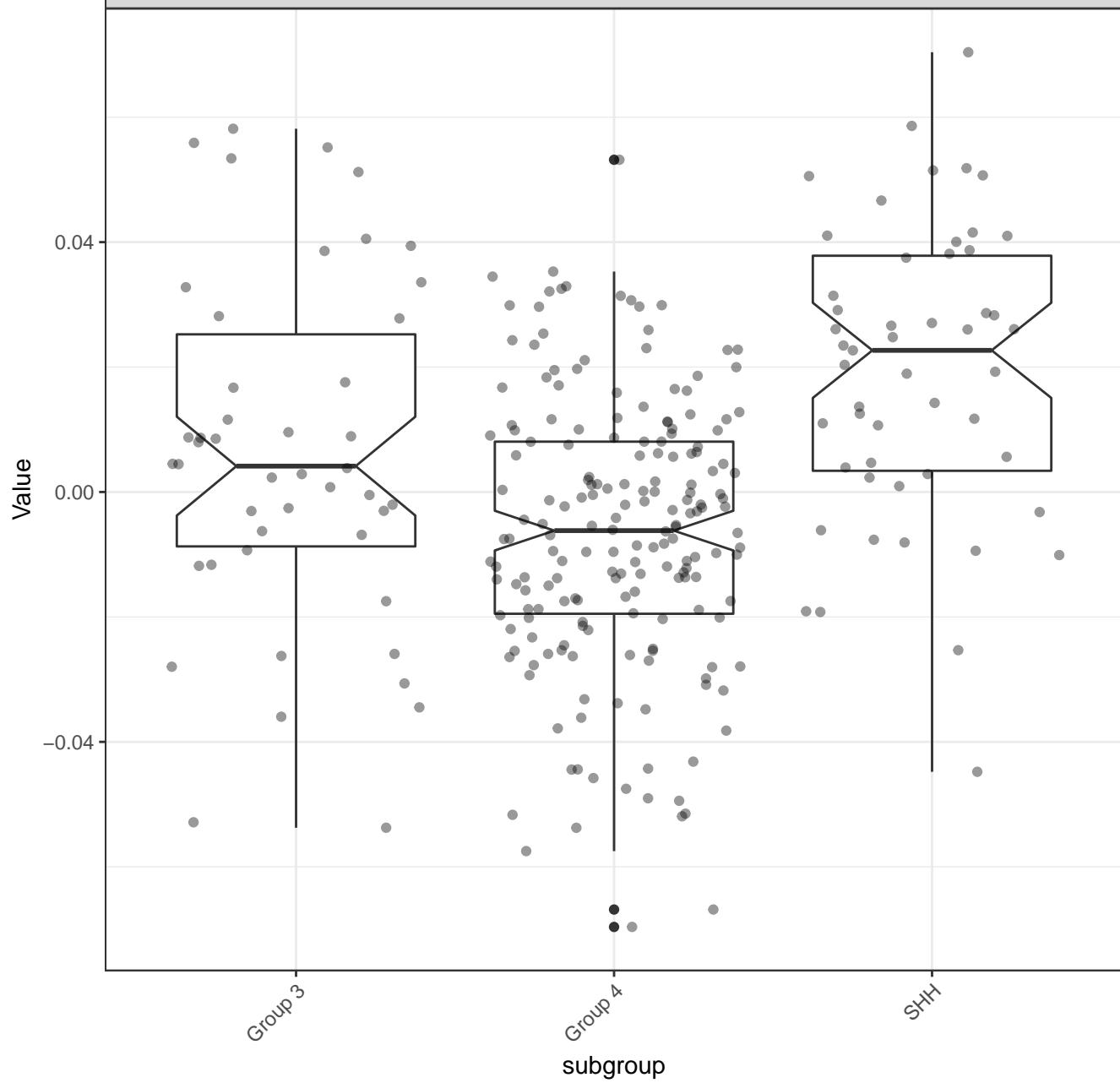
Group 4

SHH

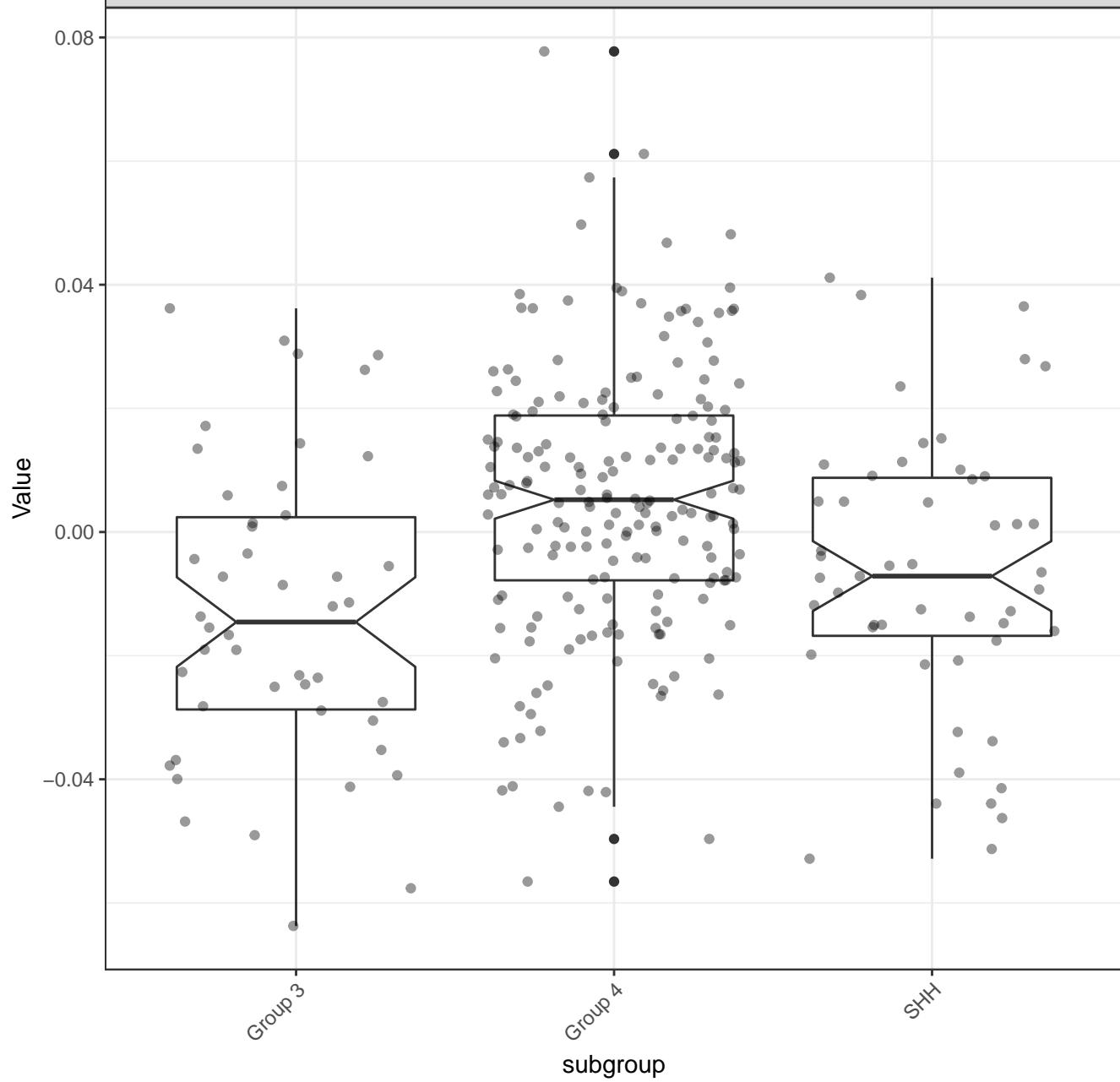
subgroup



LV 695



LV 696



LV 697

Value

0.2

0.1

0.0

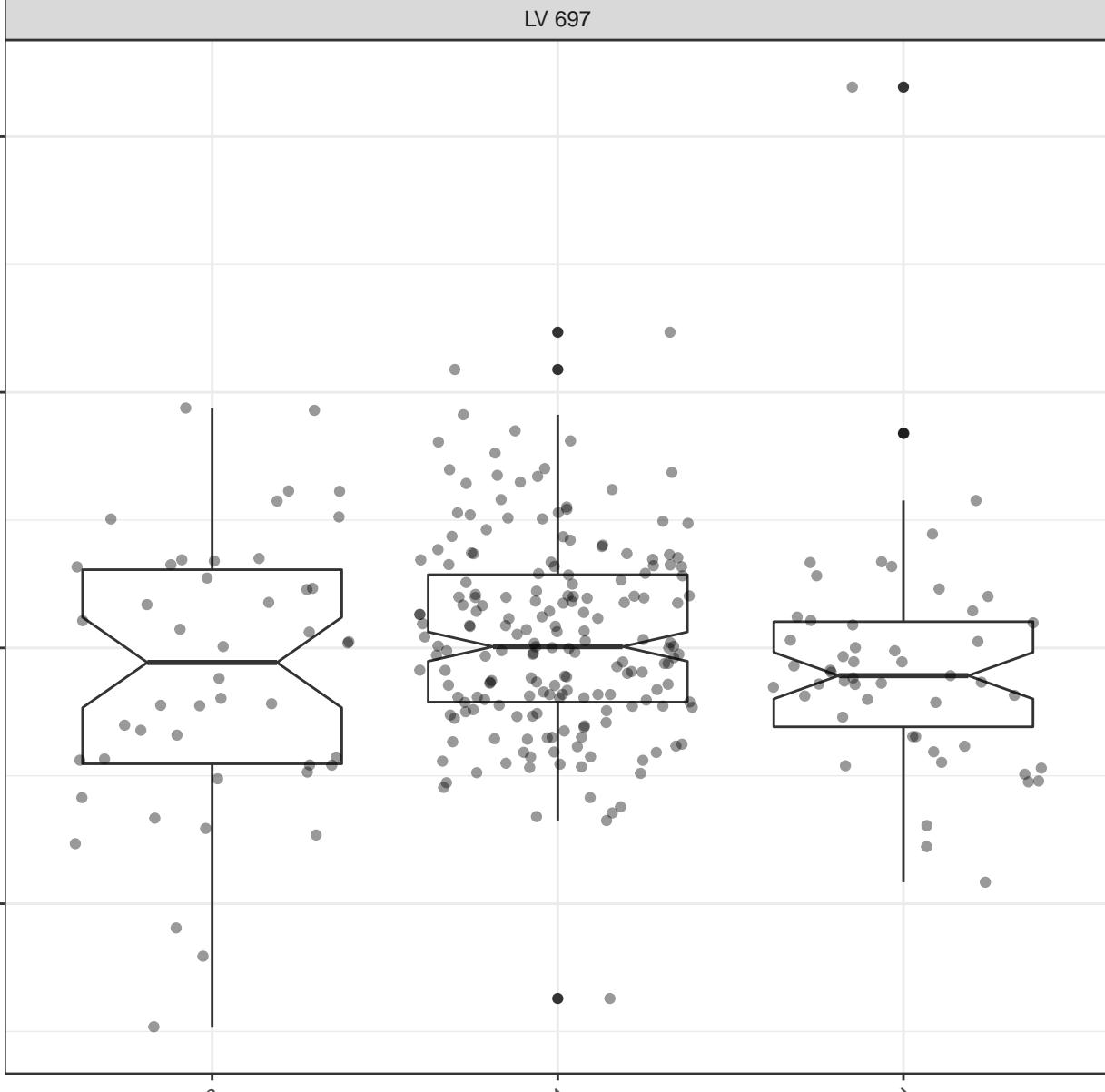
-0.1

Group³

Group⁴

SHH

subgroup



Value

0.10

0.05

0.00

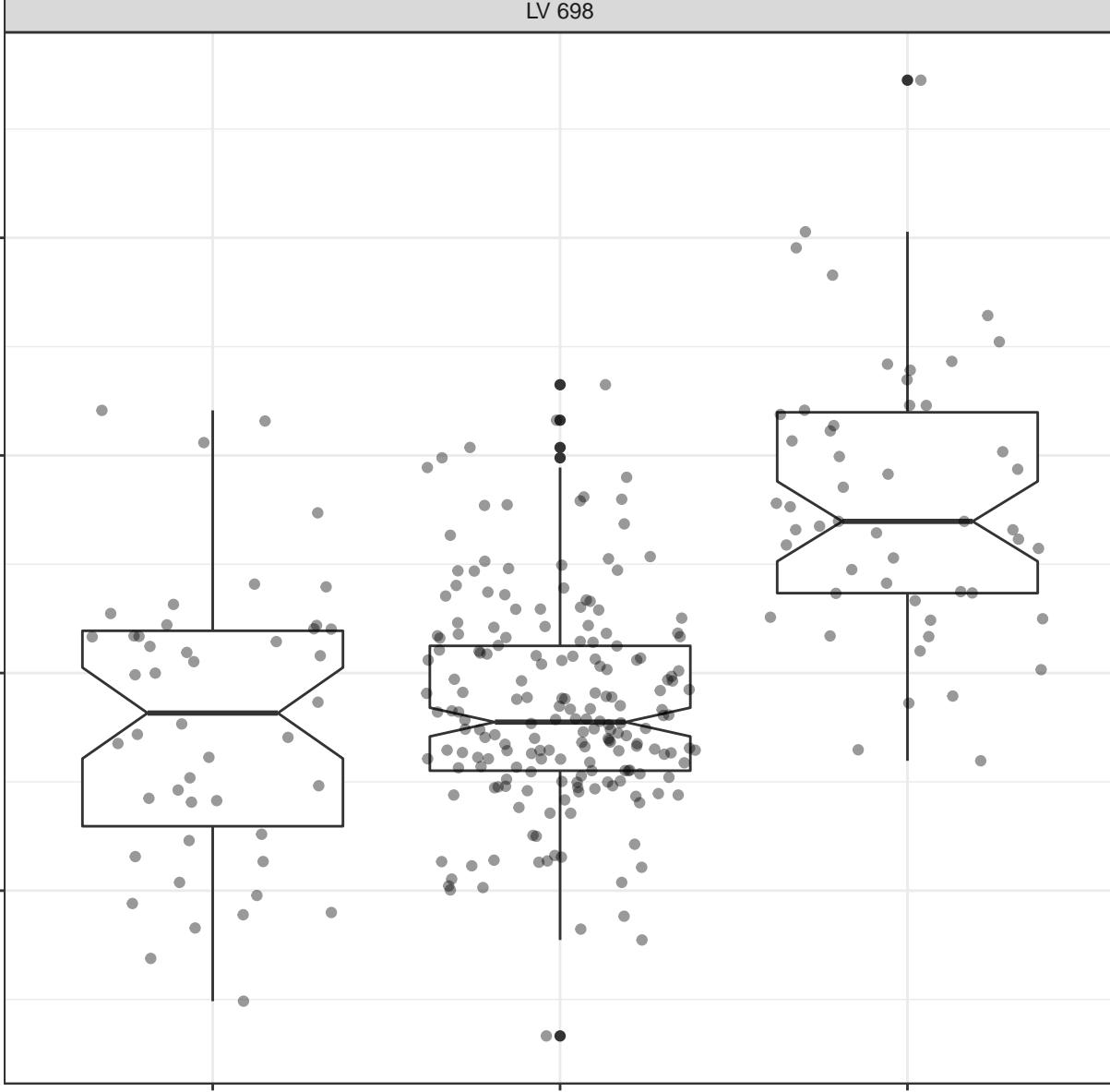
-0.05

Group 3

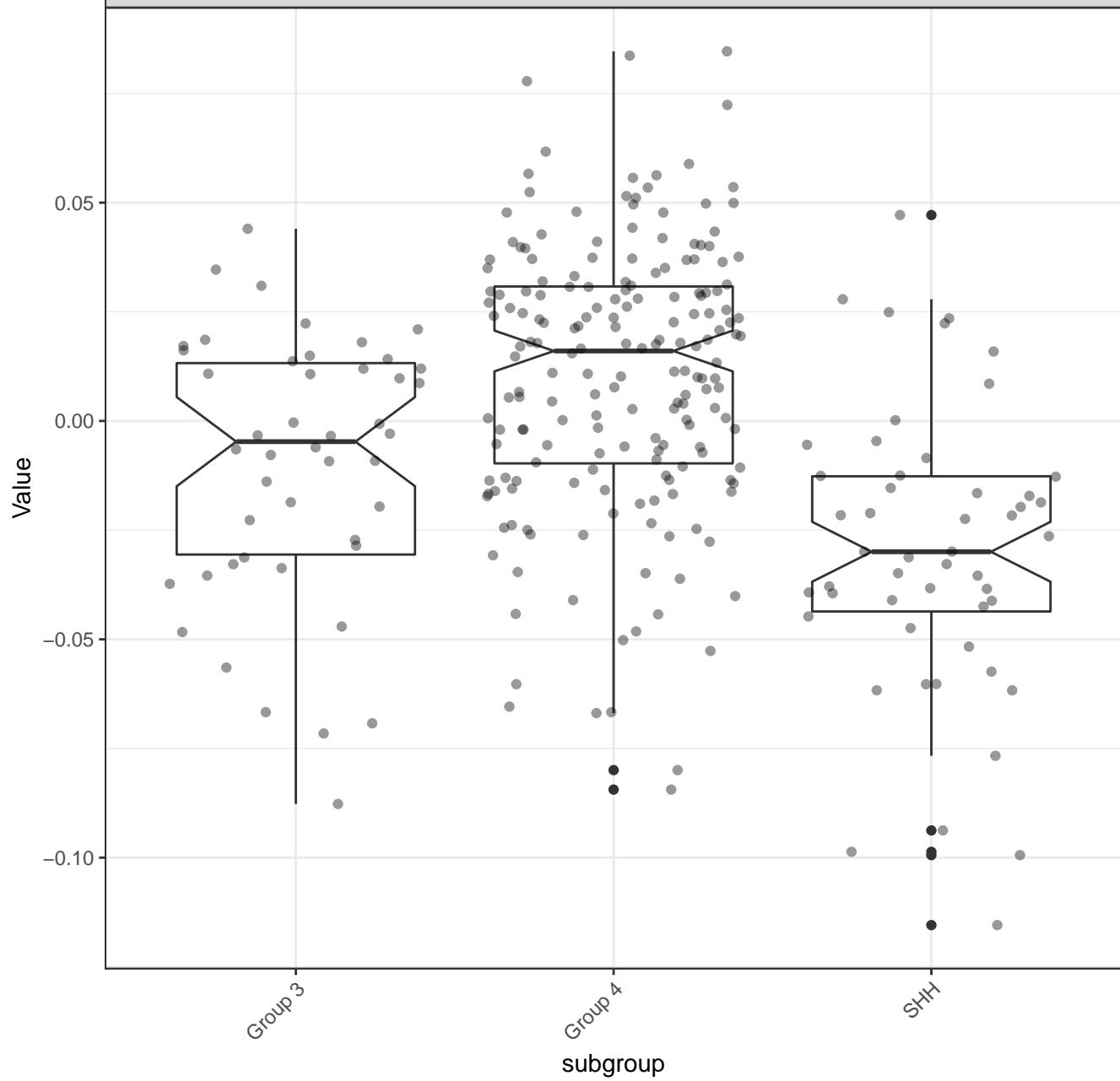
Group 4

SHH

subgroup



LV 699



LV 700

Value

0.05

0.01

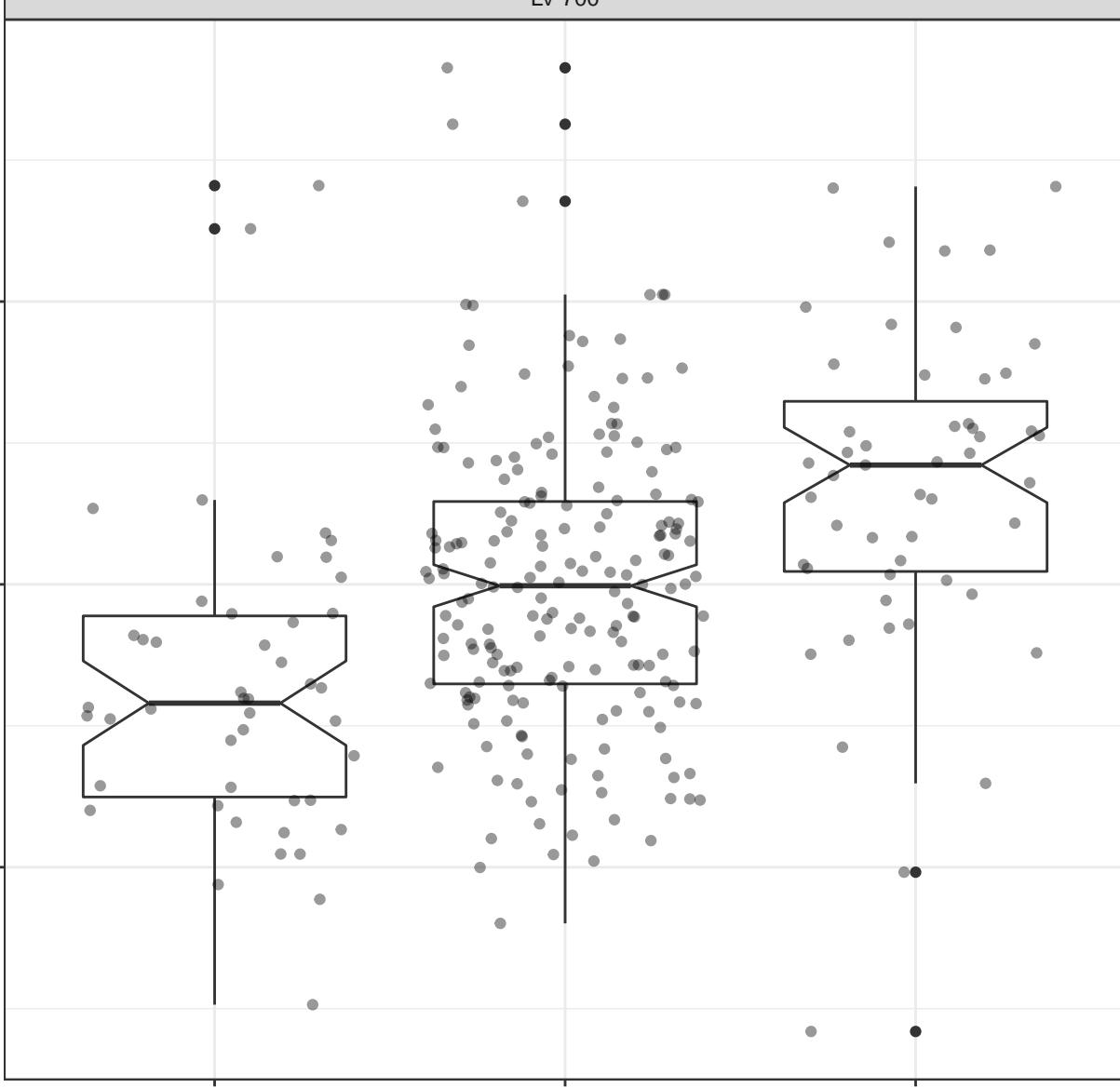
-0.05

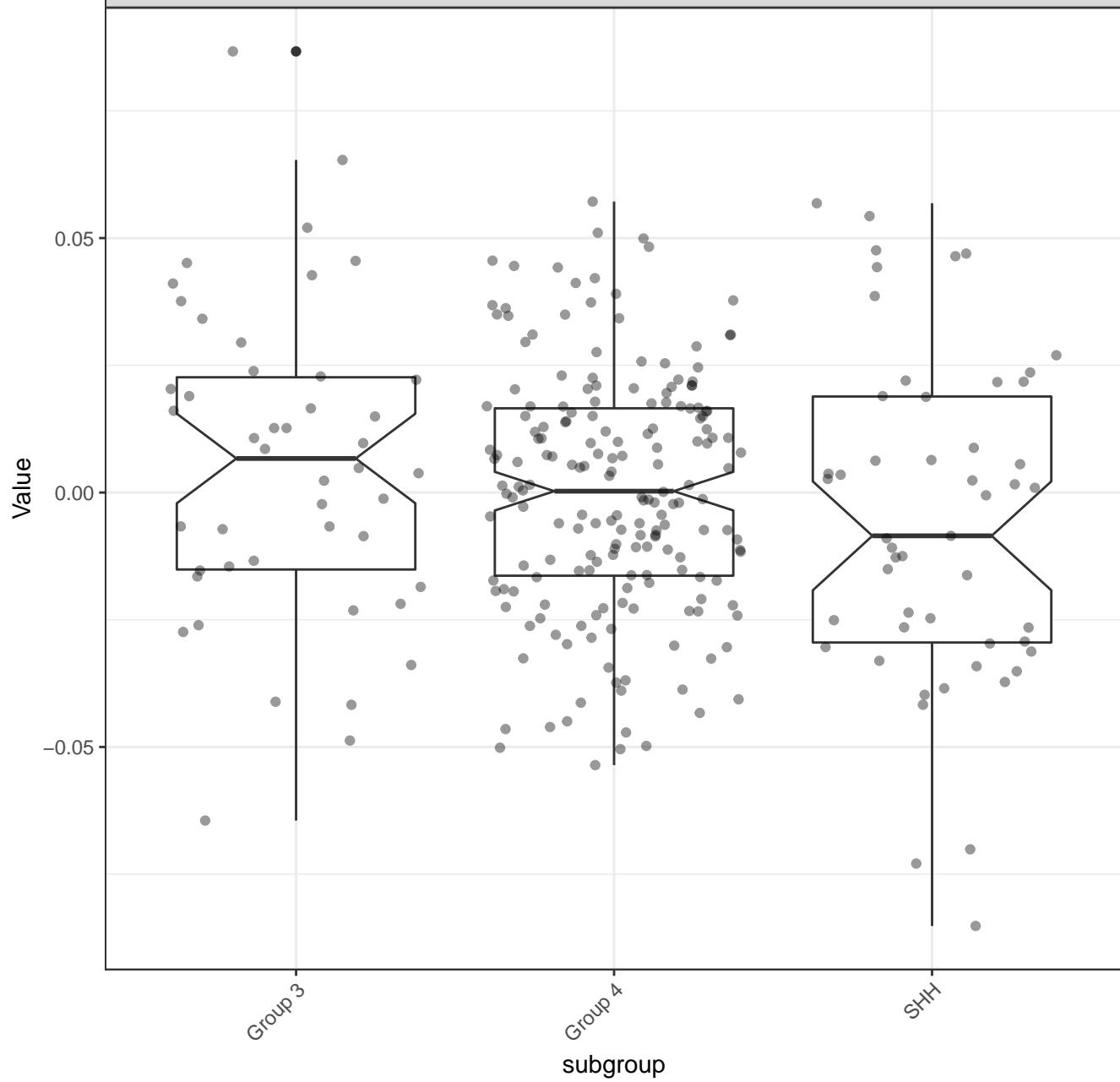
Group 3

Group 4

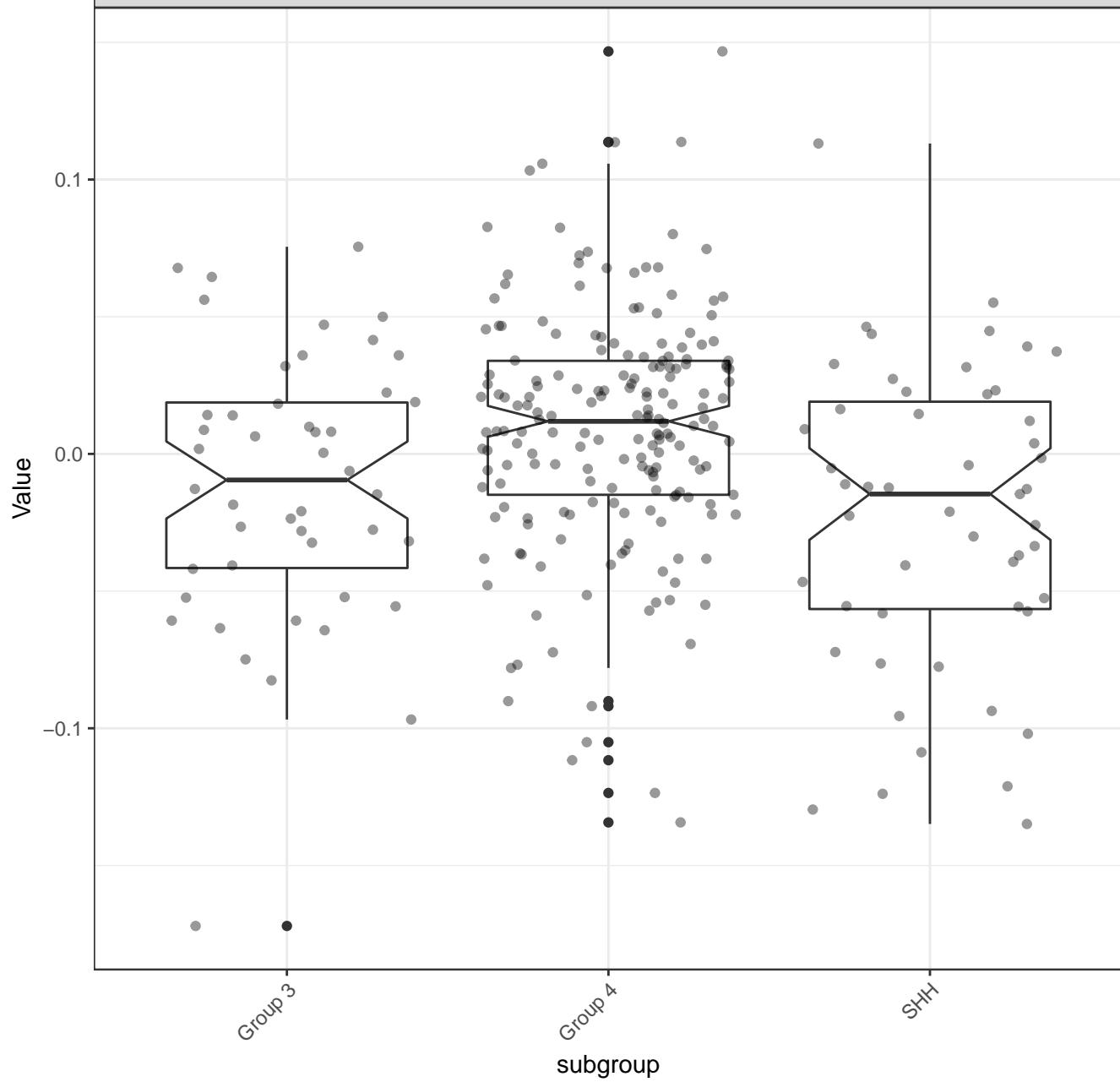
SHH

subgroup





LV 702



LV 703

Value

0.10

0.05

0.00

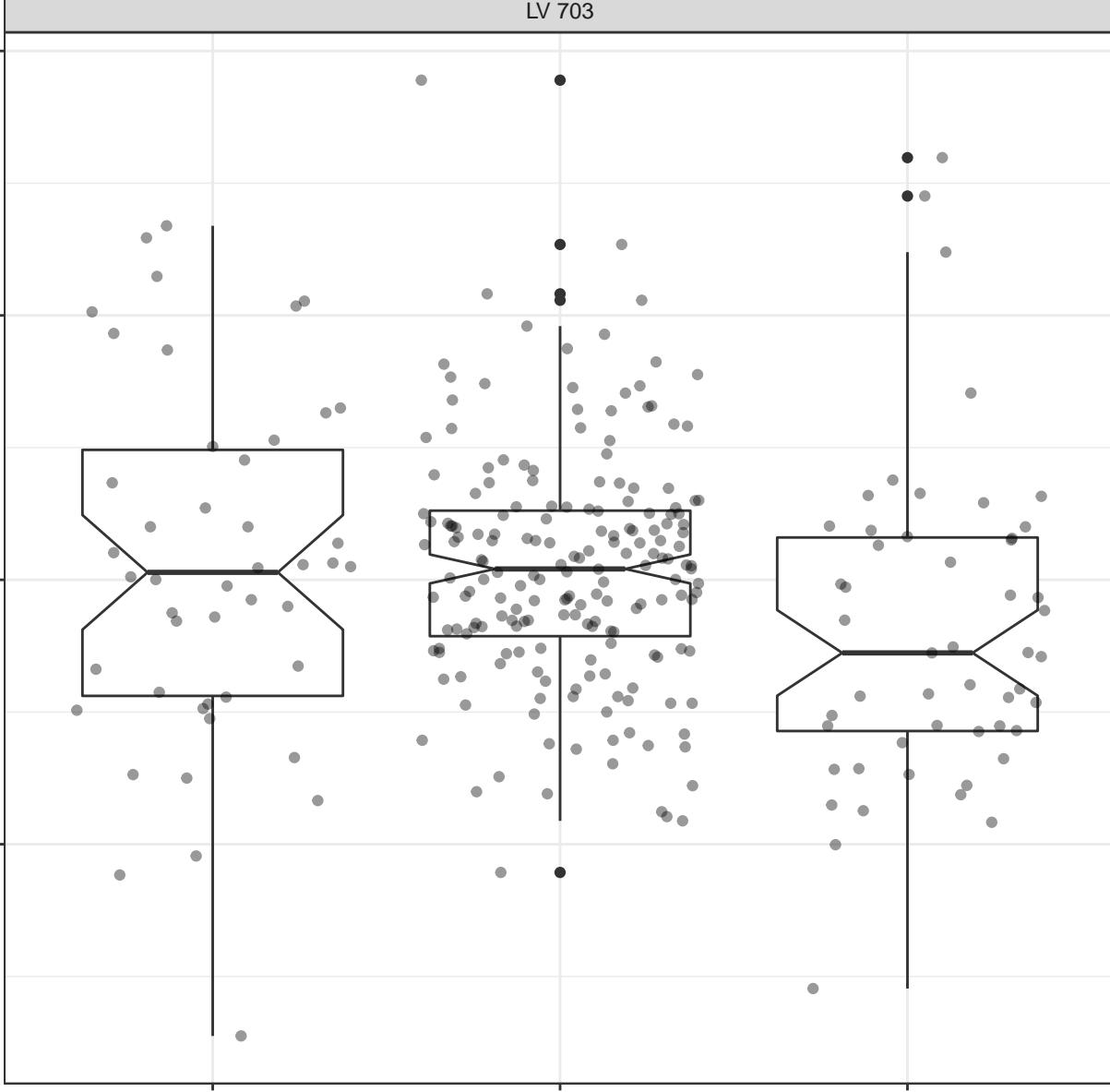
-0.05

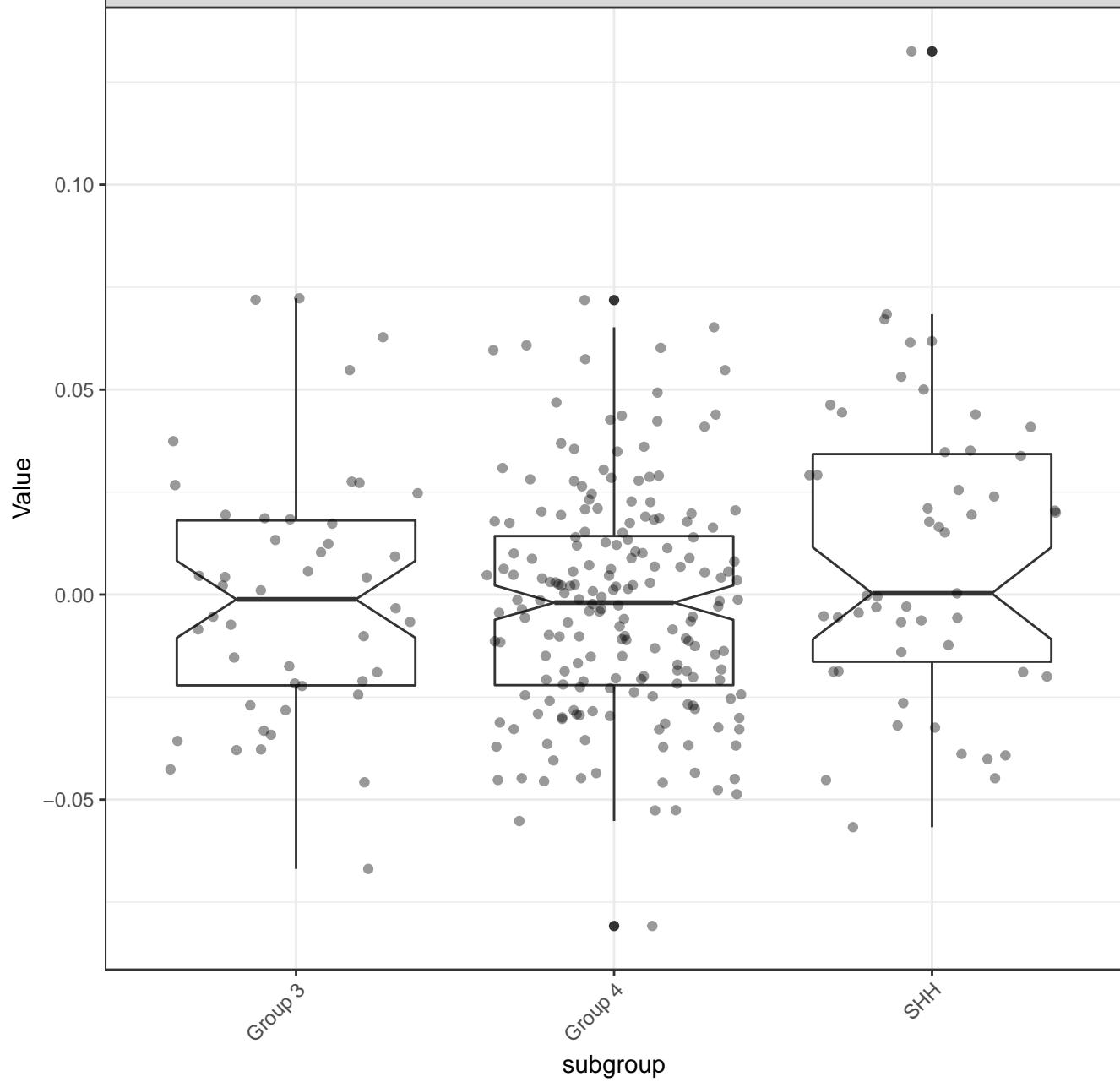
Group₃

subgroup

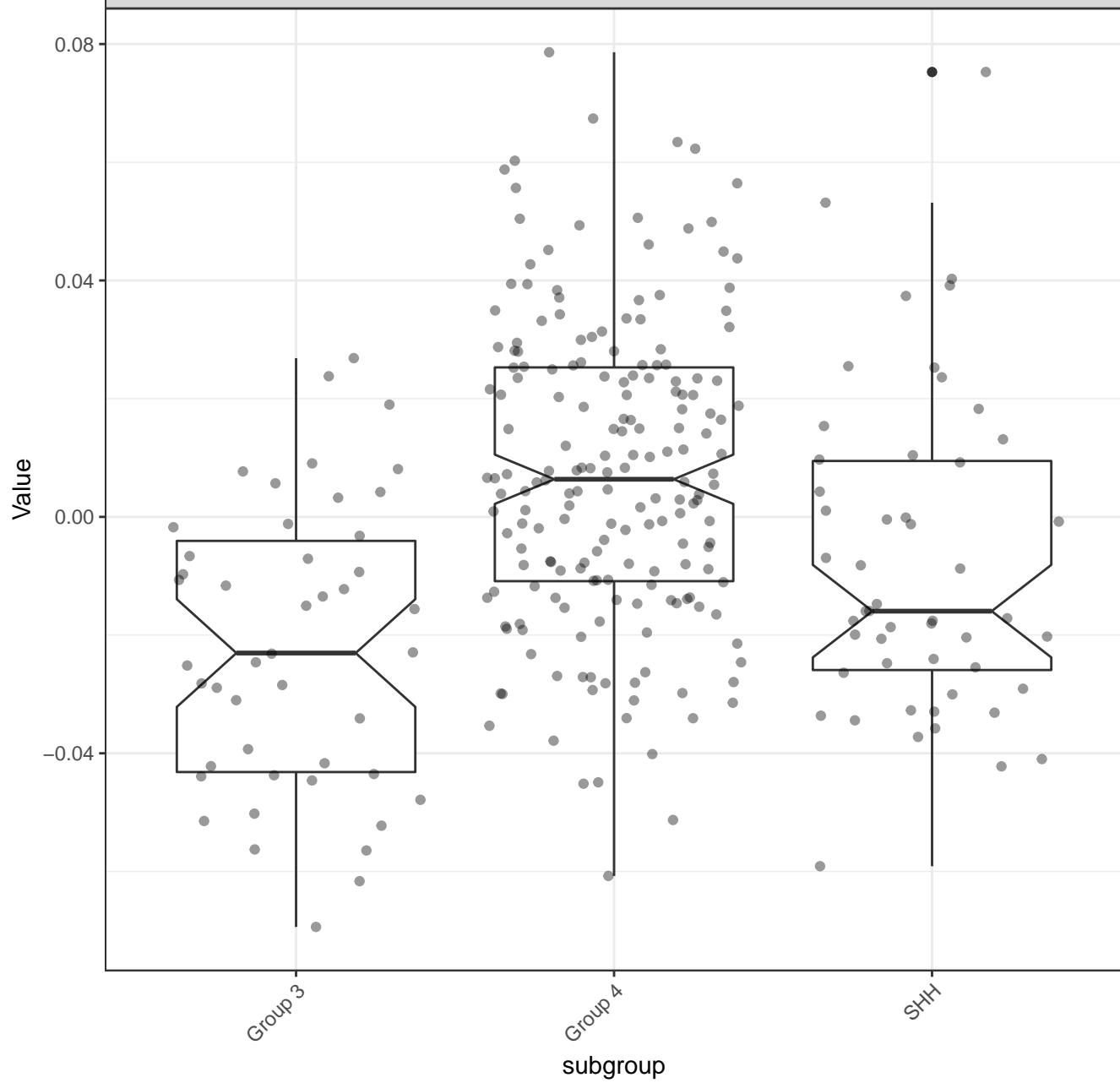
Group₄

SHH



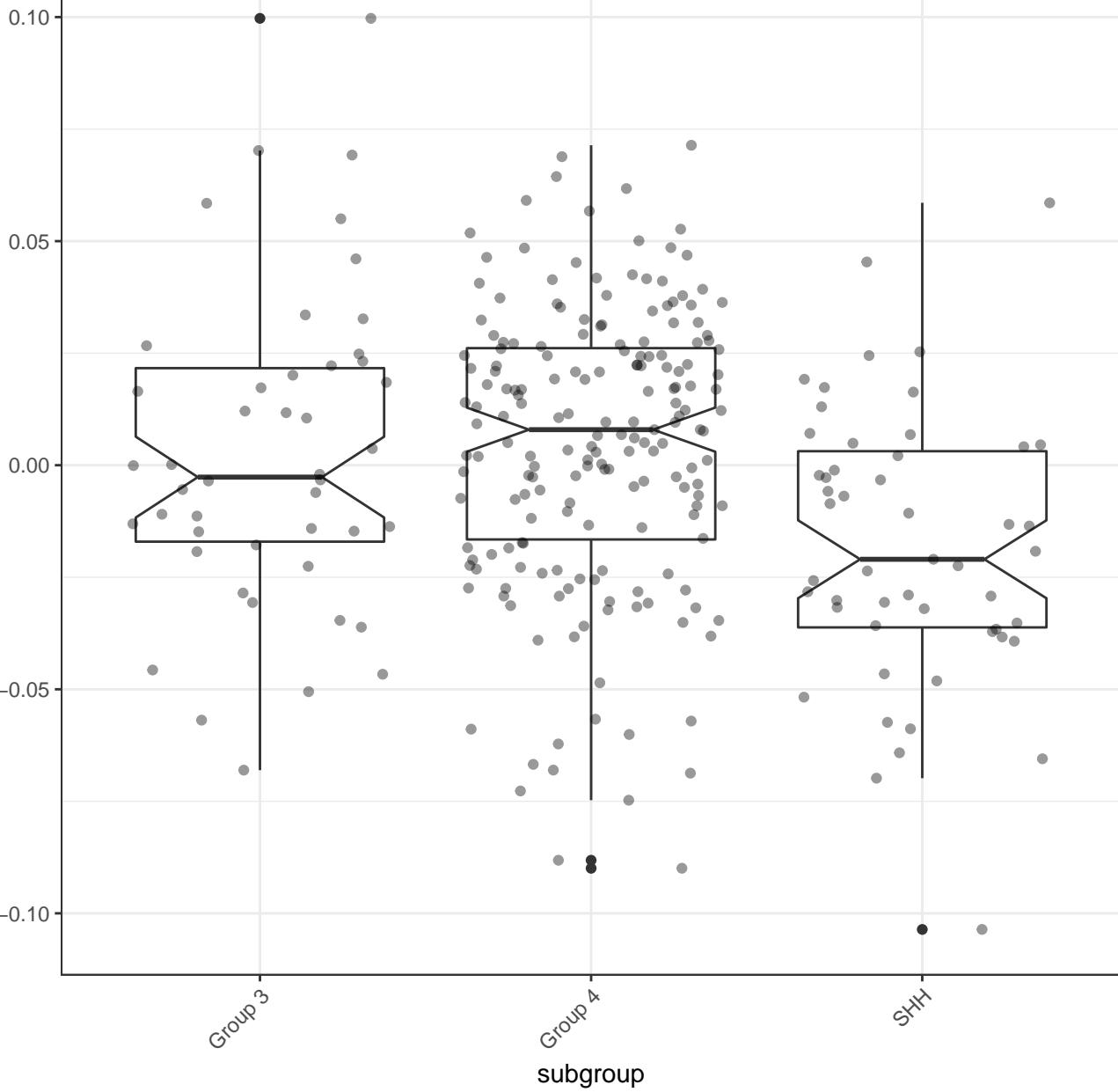


705,SVM NK cells activated

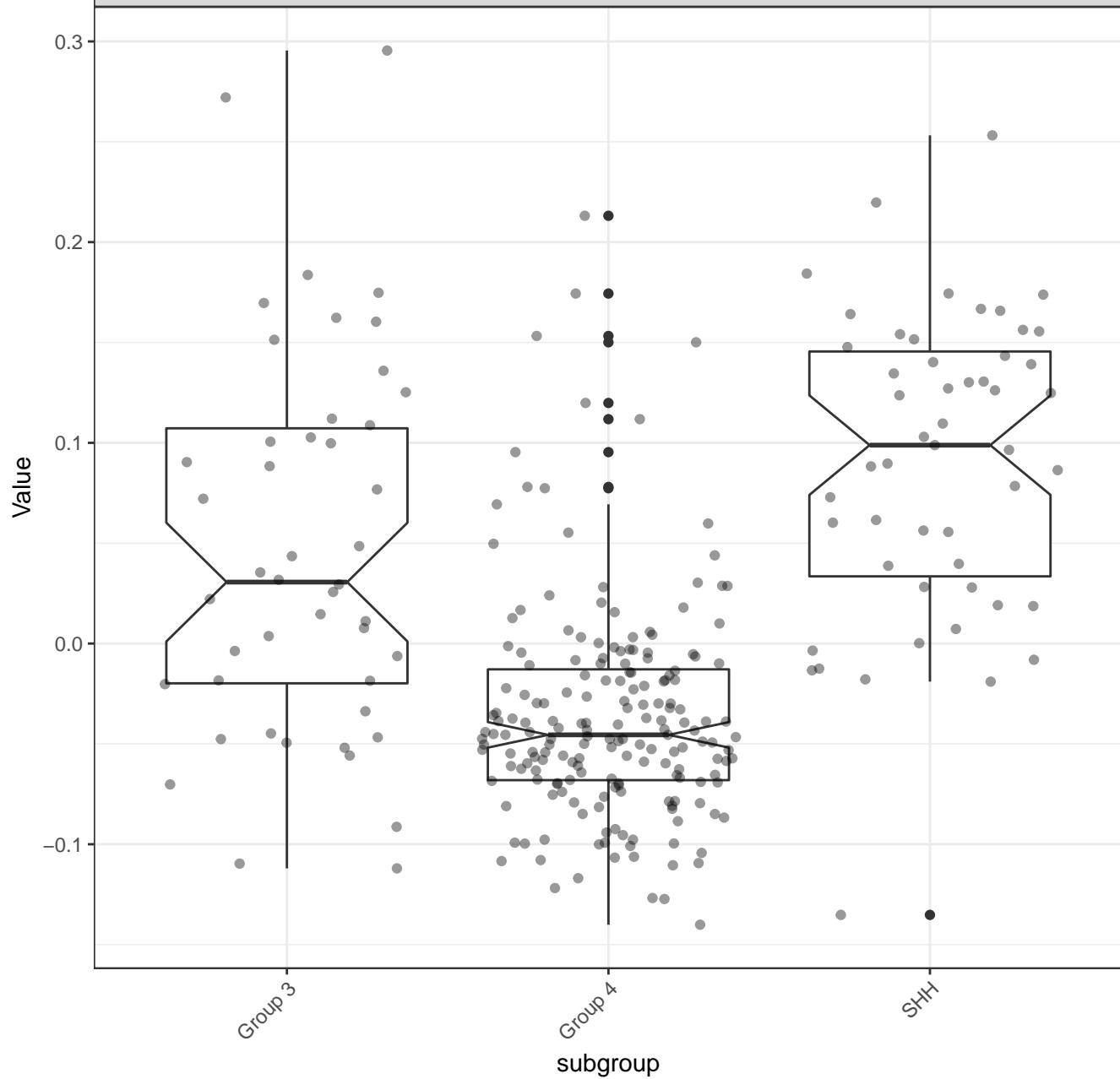


LV 706

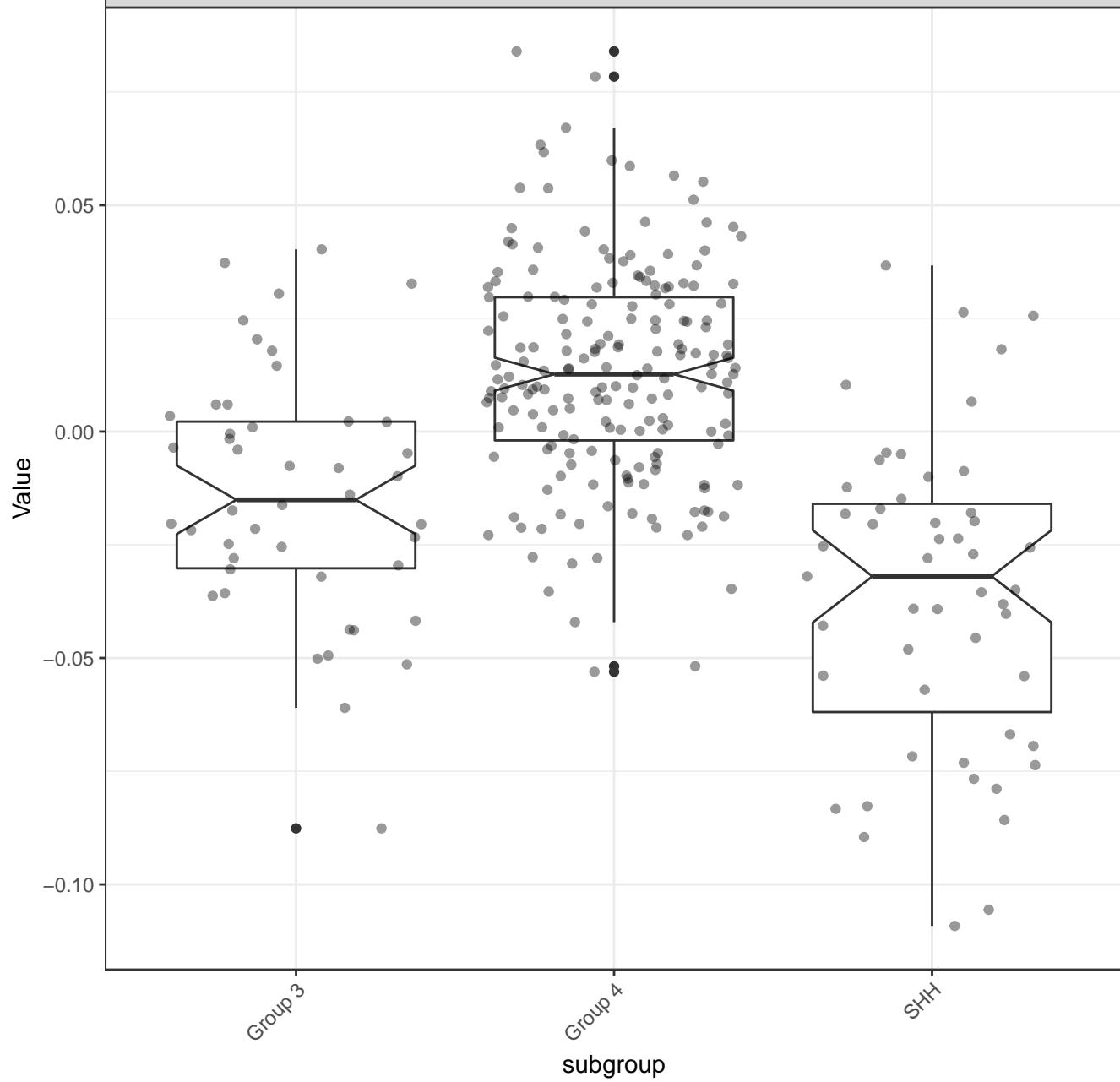
Value



707,REACTOME_PEPTIDE_CHAIN_ELONGATION



LV 708



LV 709

Vvalue

0.10

0.05

0.00

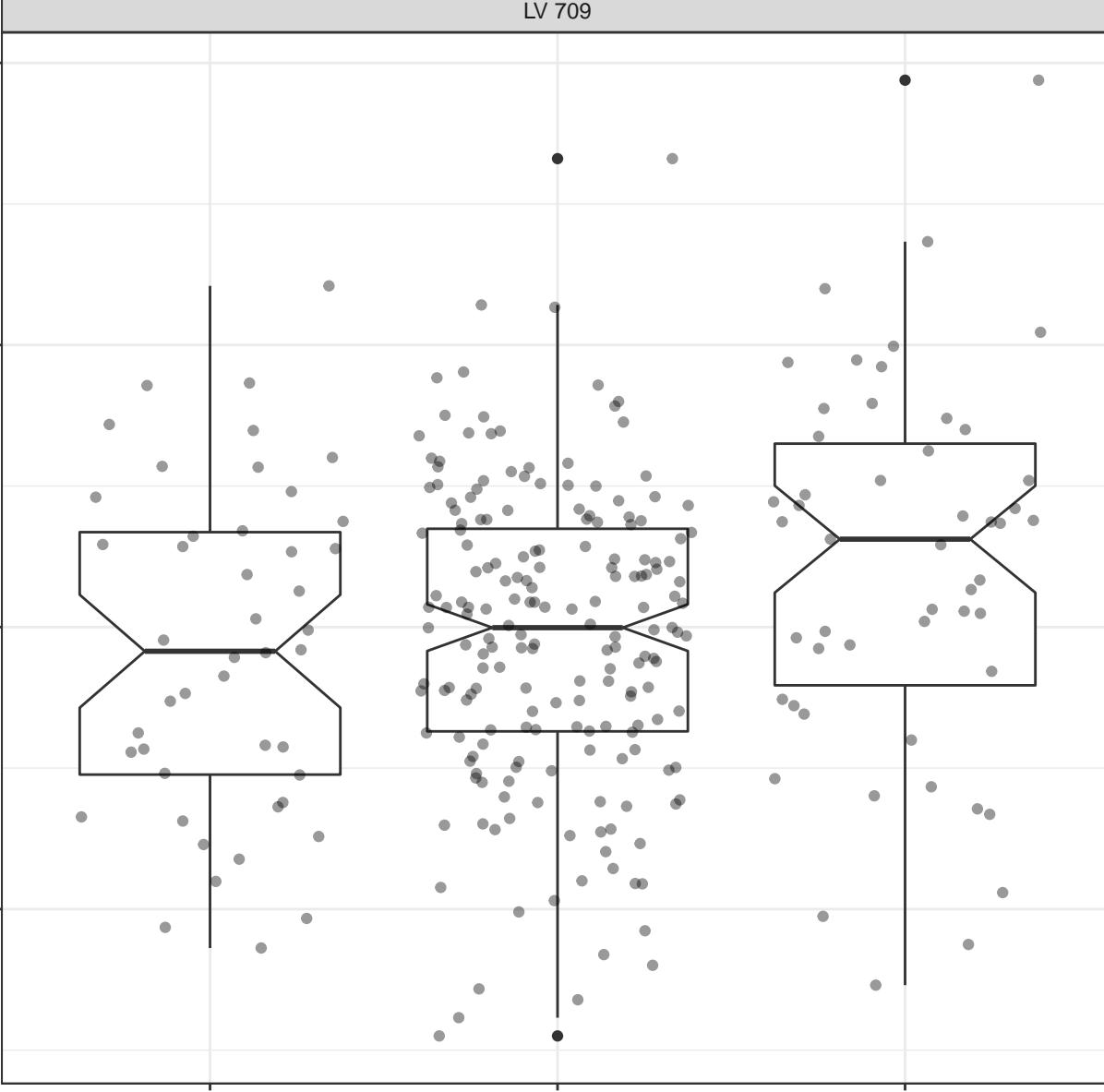
-0.05

Group 3

subgroup

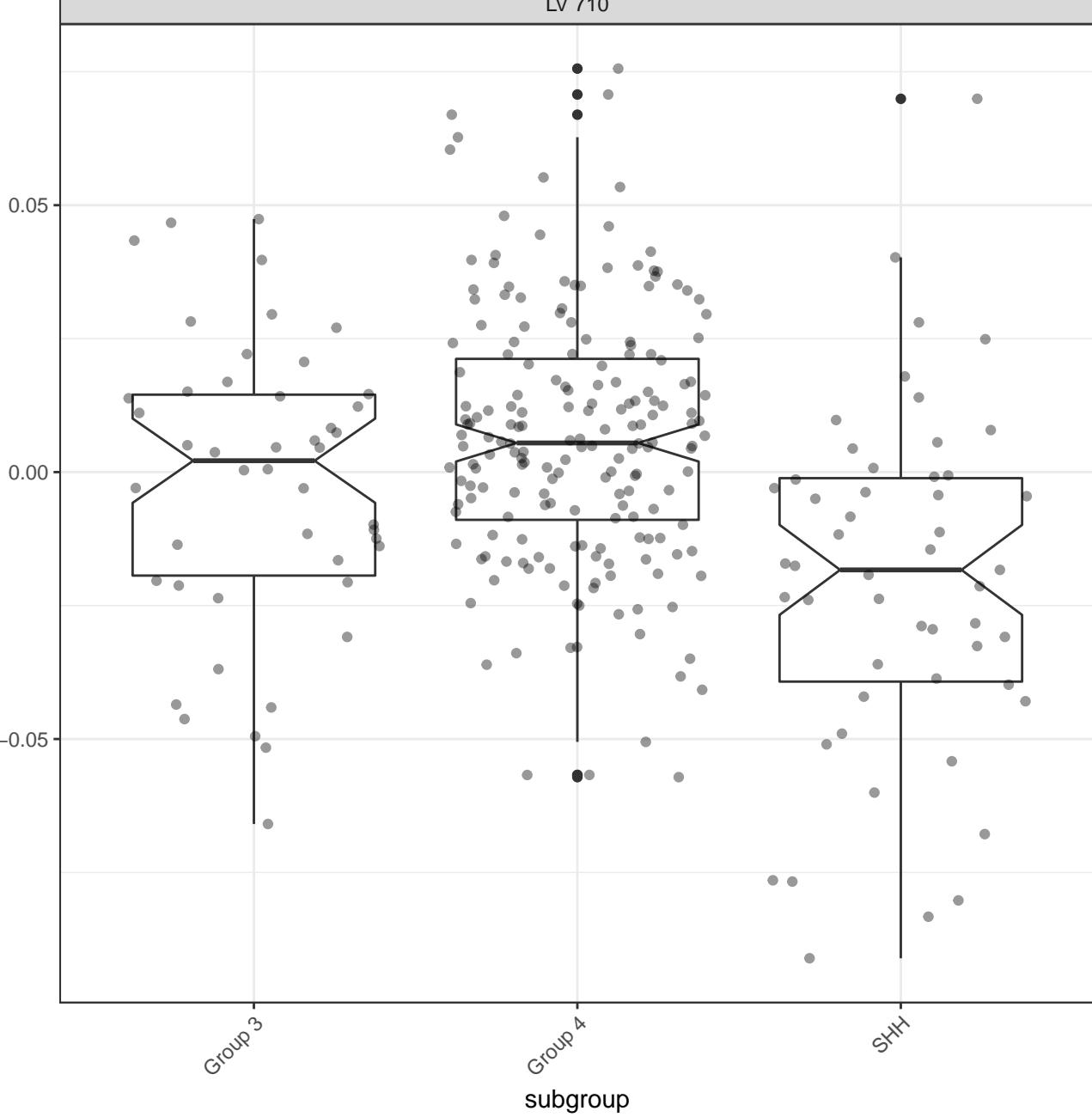
Group 4

SHH

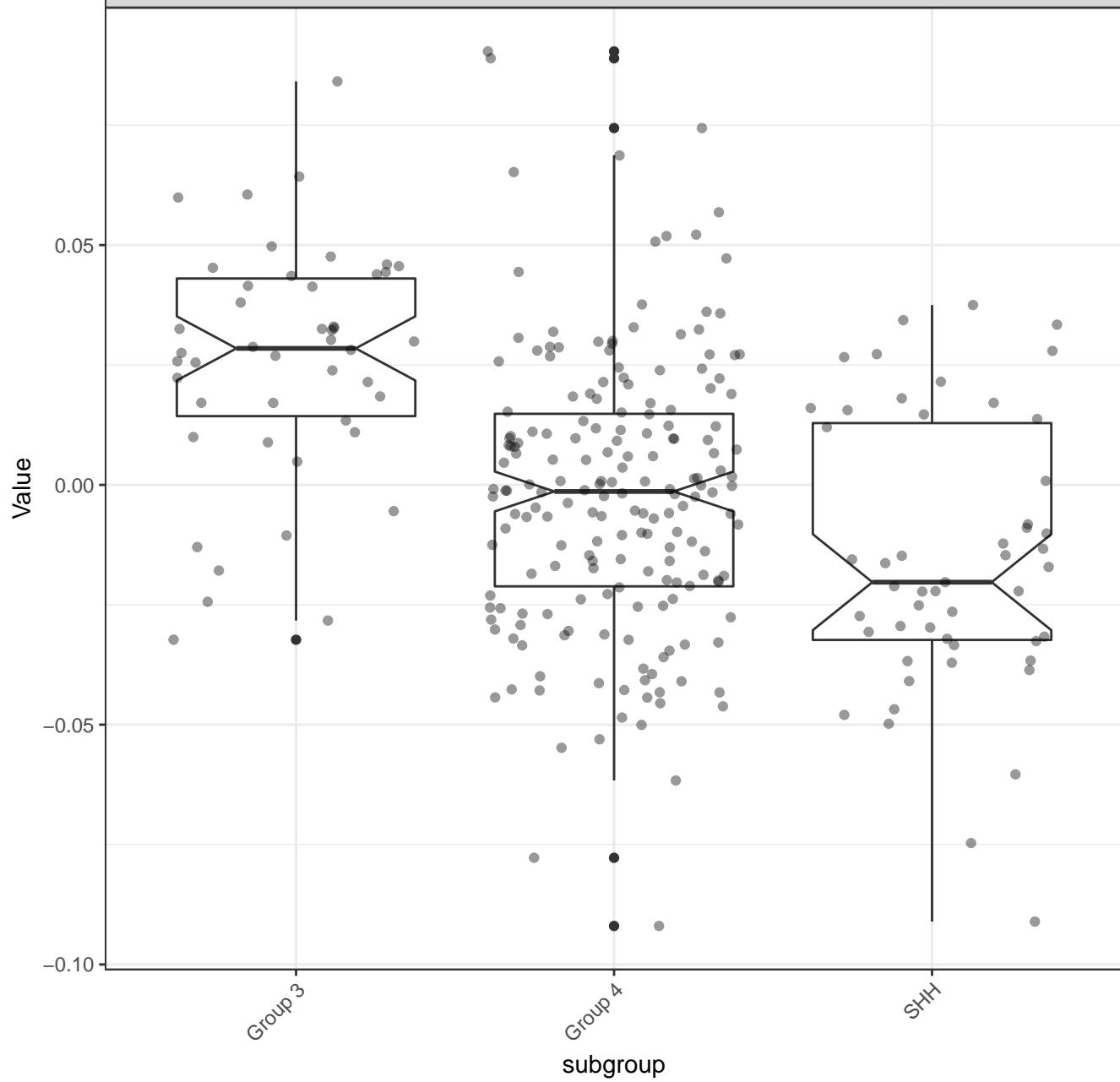


LV 710

Value



LV 711



LV 712

Value

0.05

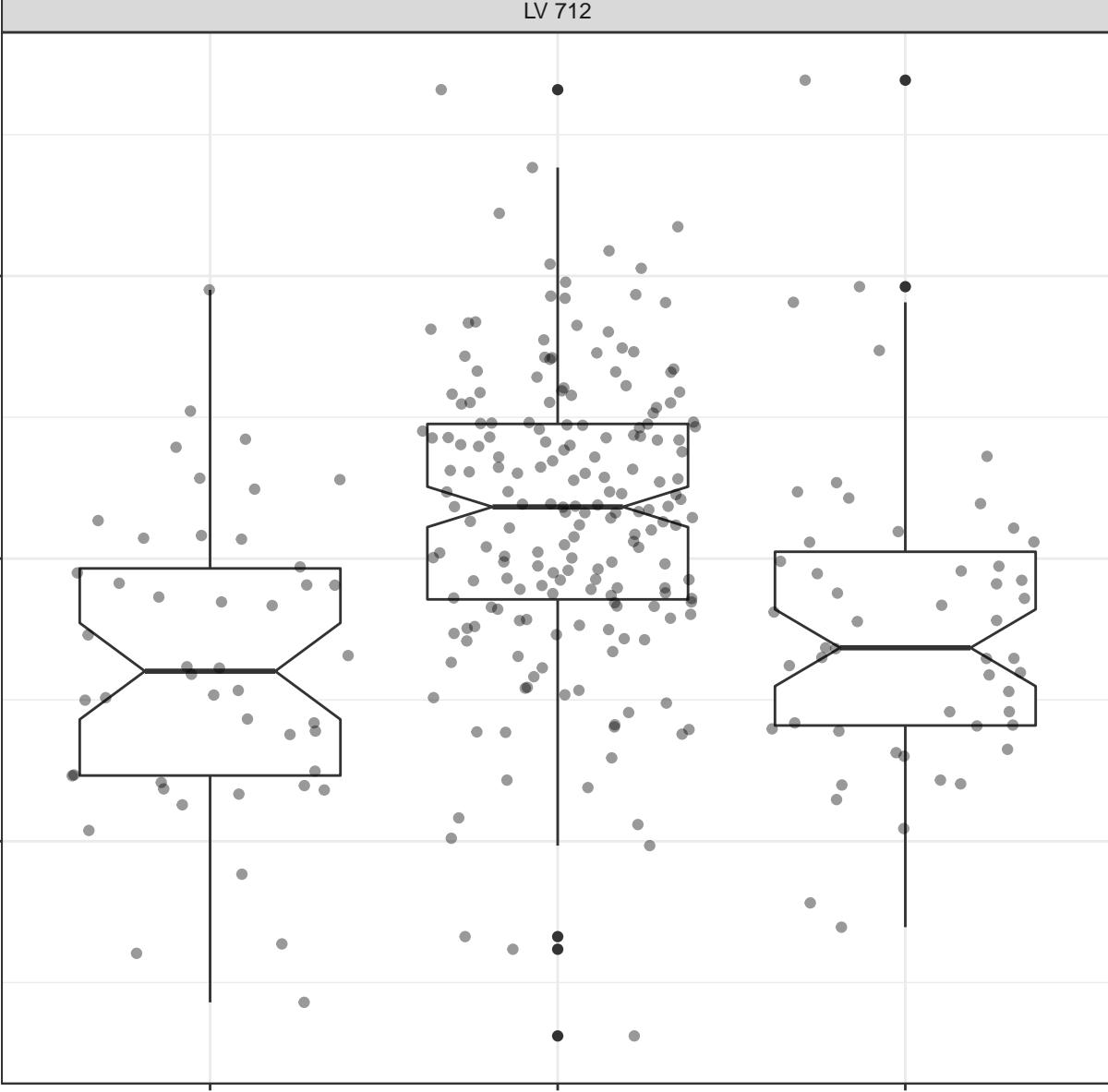
0.00

-0.05

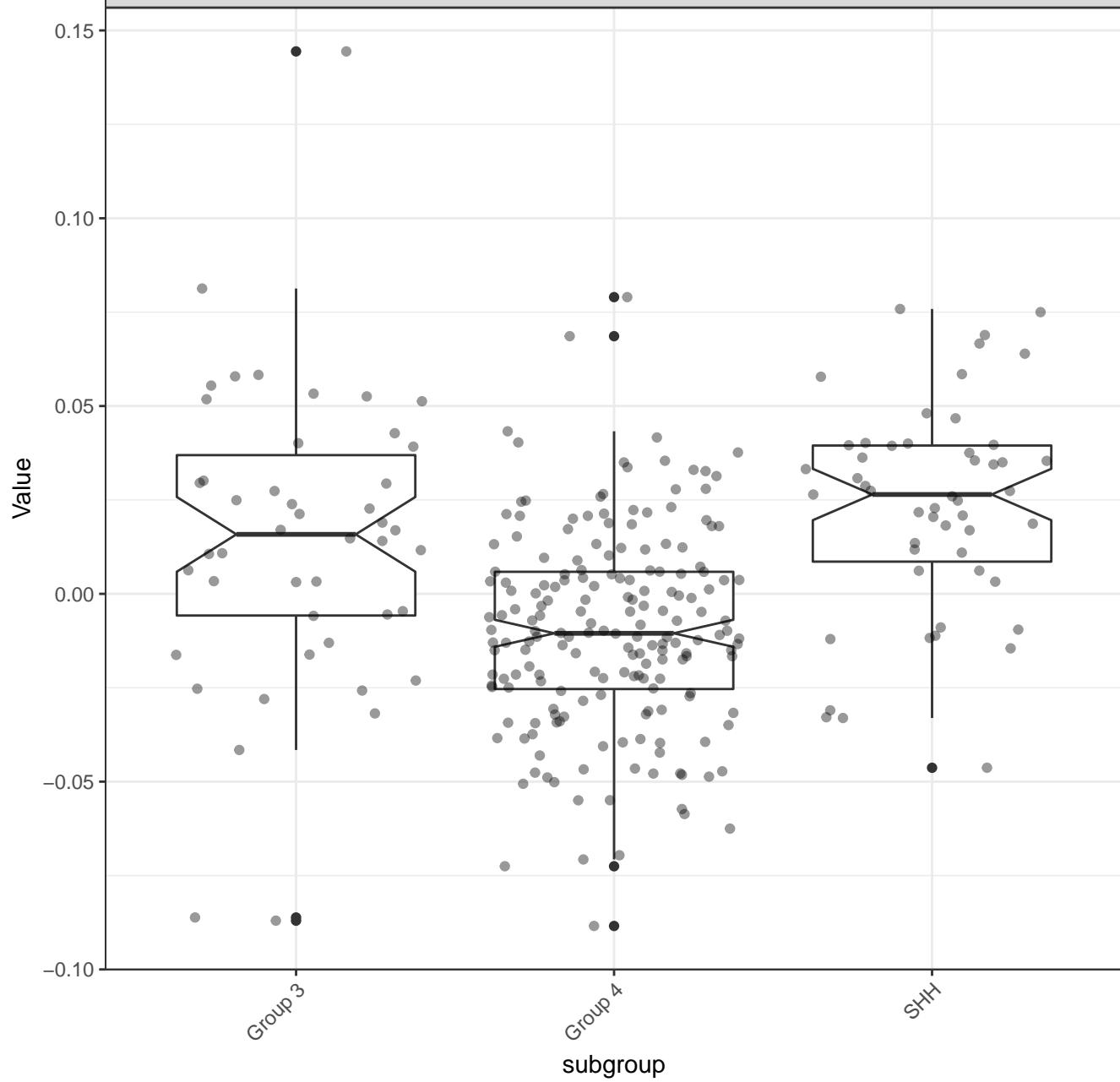
Group 3

subgroup

SHH



LV 713



LV 714

Value

0.05

0.00

-0.05

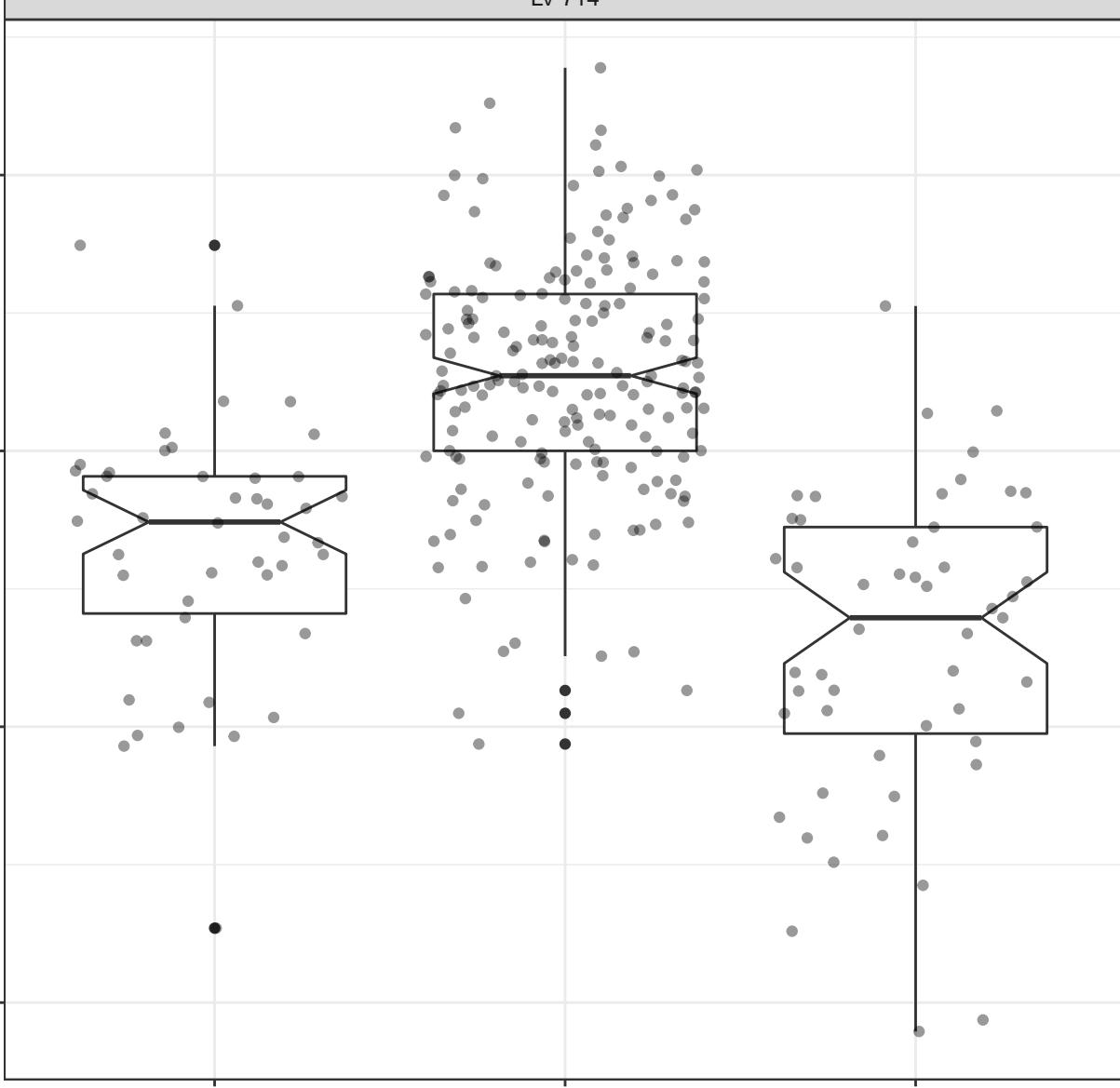
-0.10

Group 3

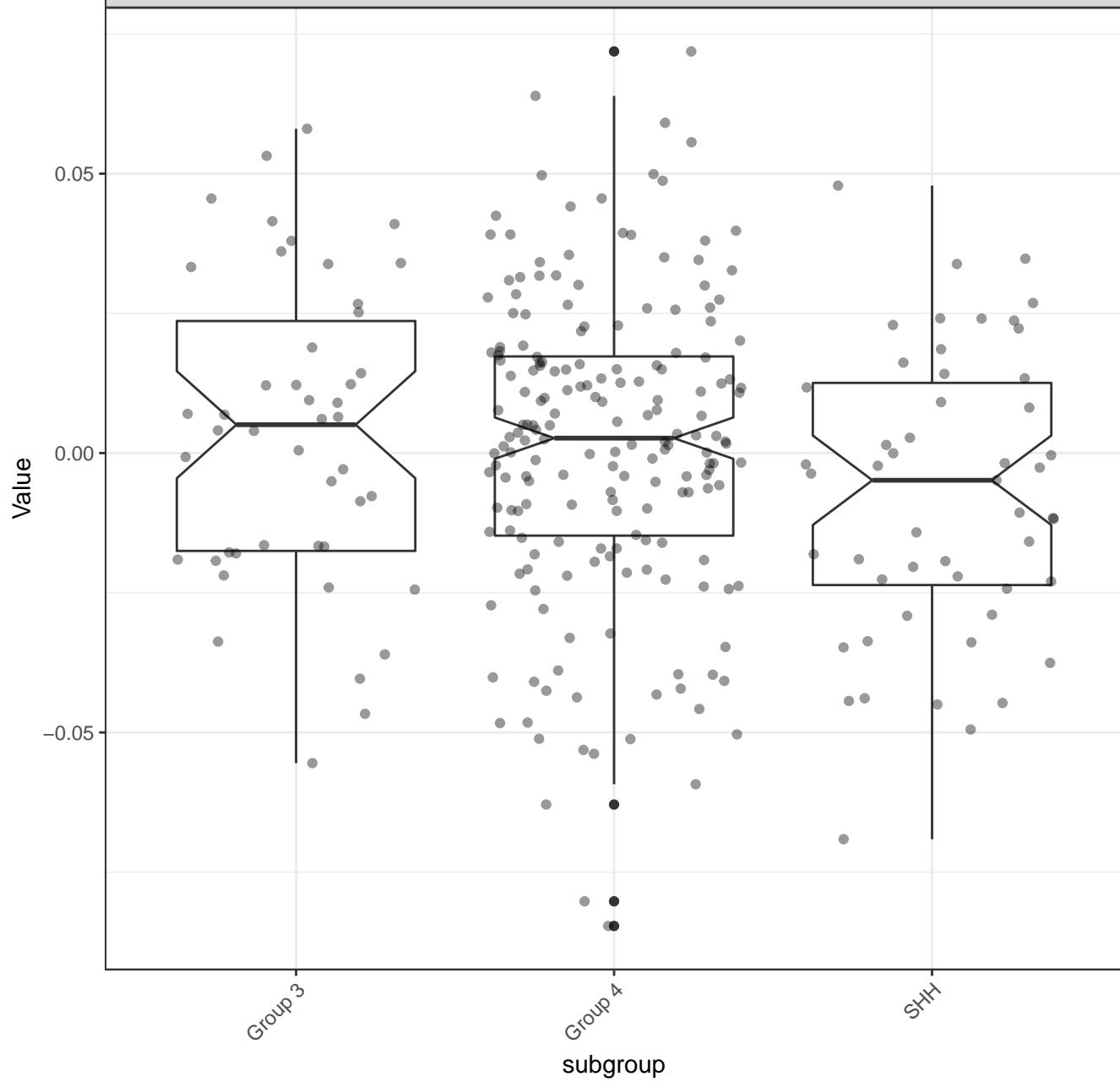
Group 4

SHH

subgroup



LV 715



LV 716

V/value

0.08

0.04

0.00

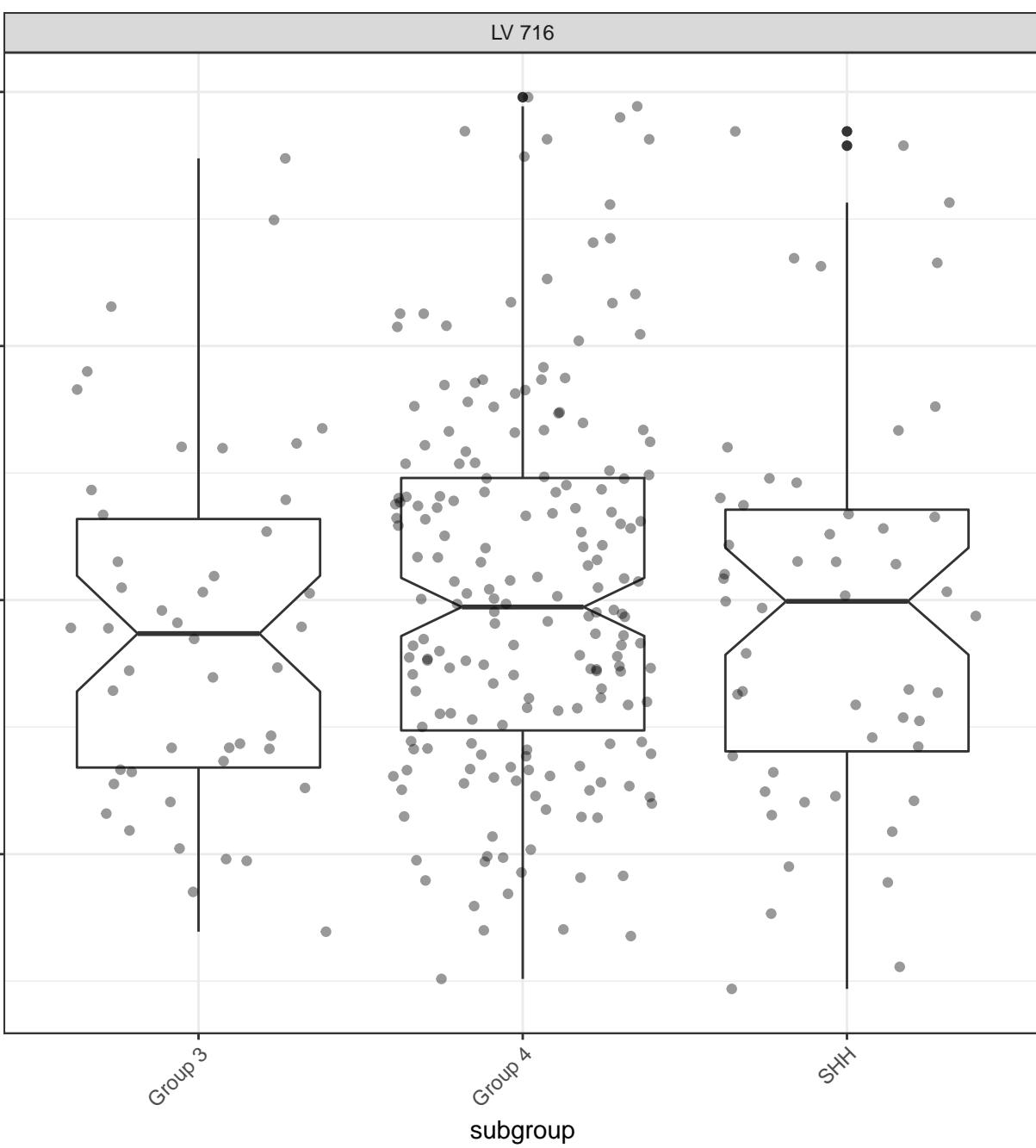
-0.04

Group 3

Group 4

SHH

subgroup



LV 717

Value

0.10

0.05

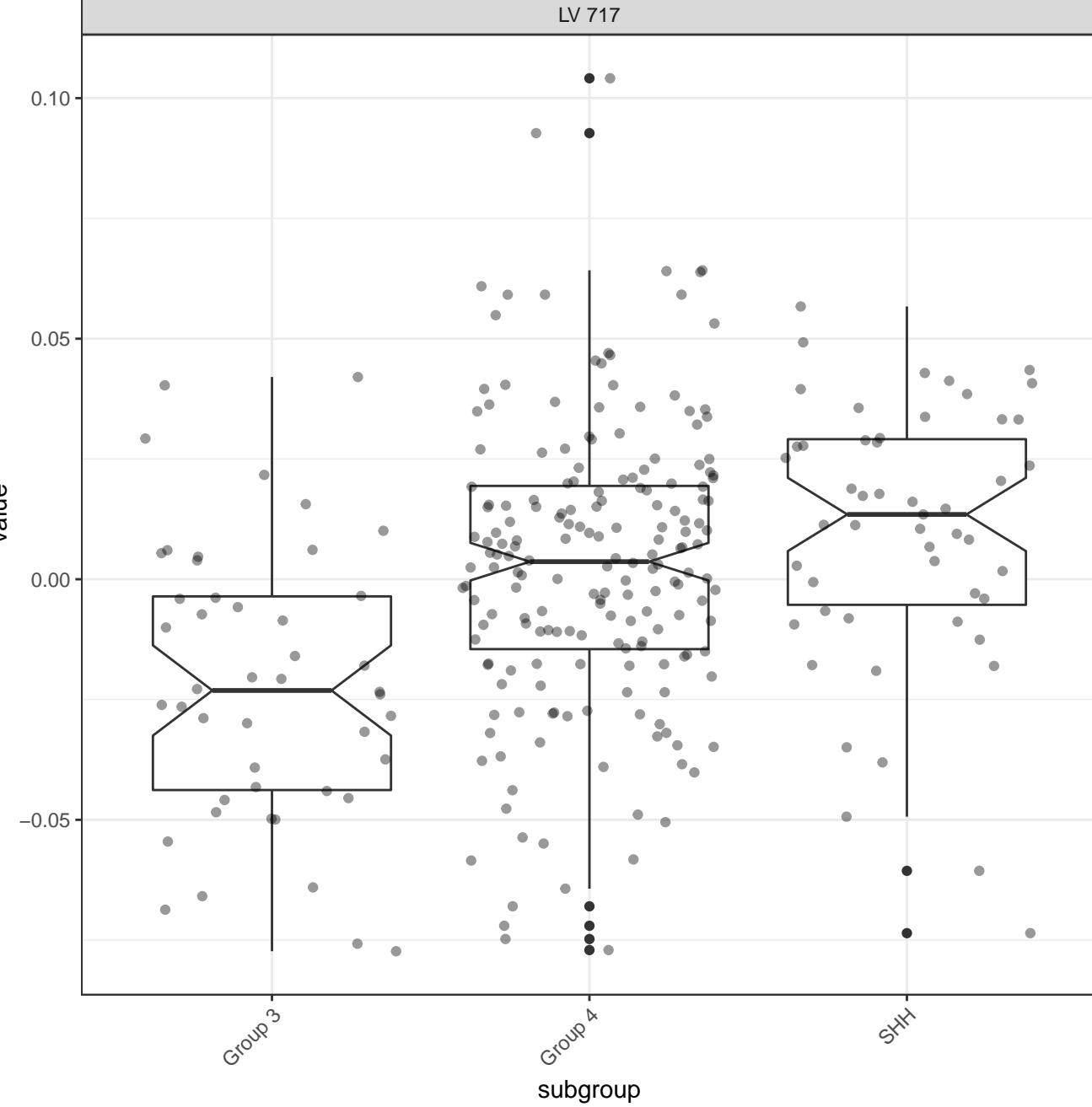
0.00

-0.05

Group 3

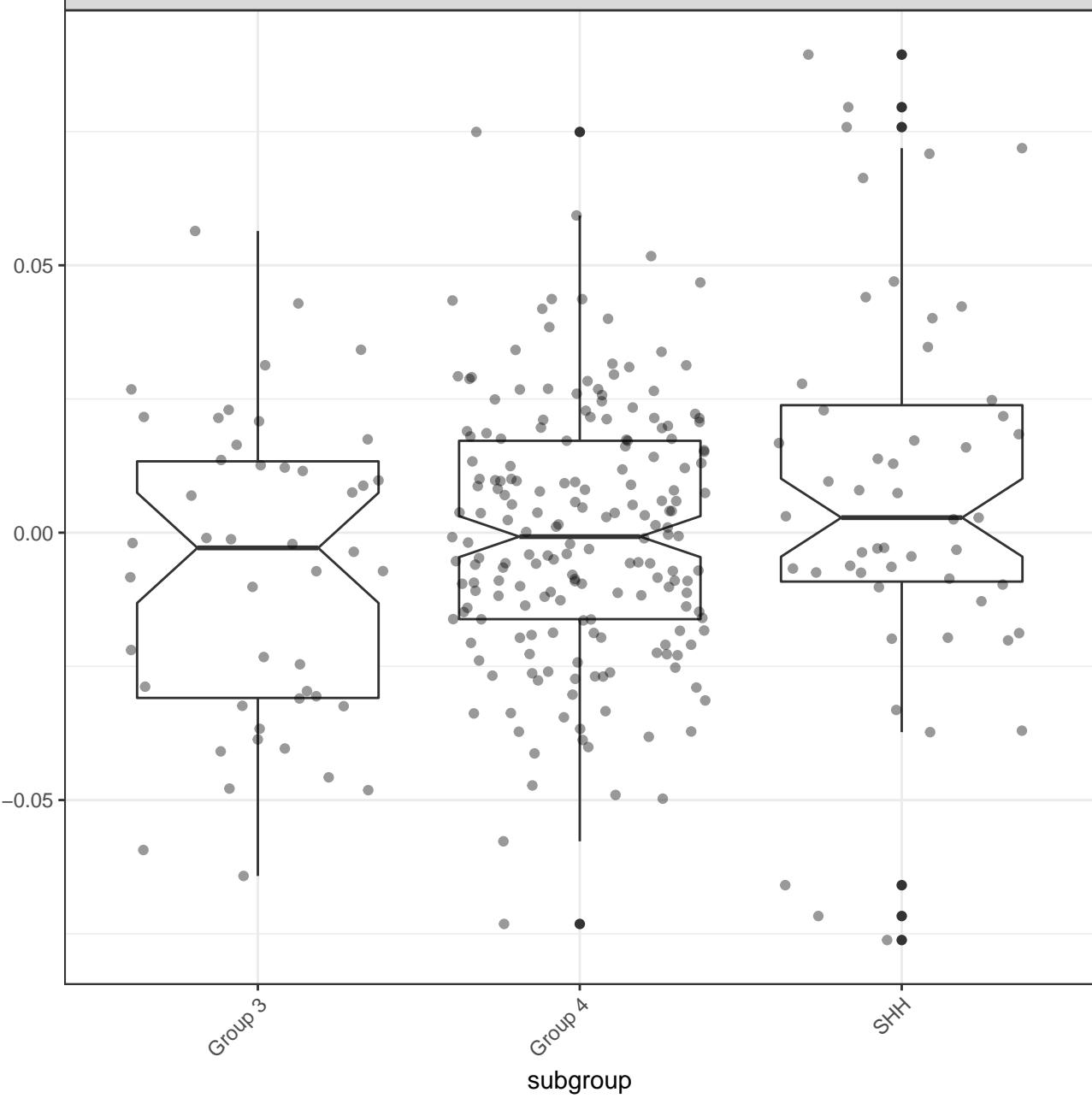
subgroup

SHH

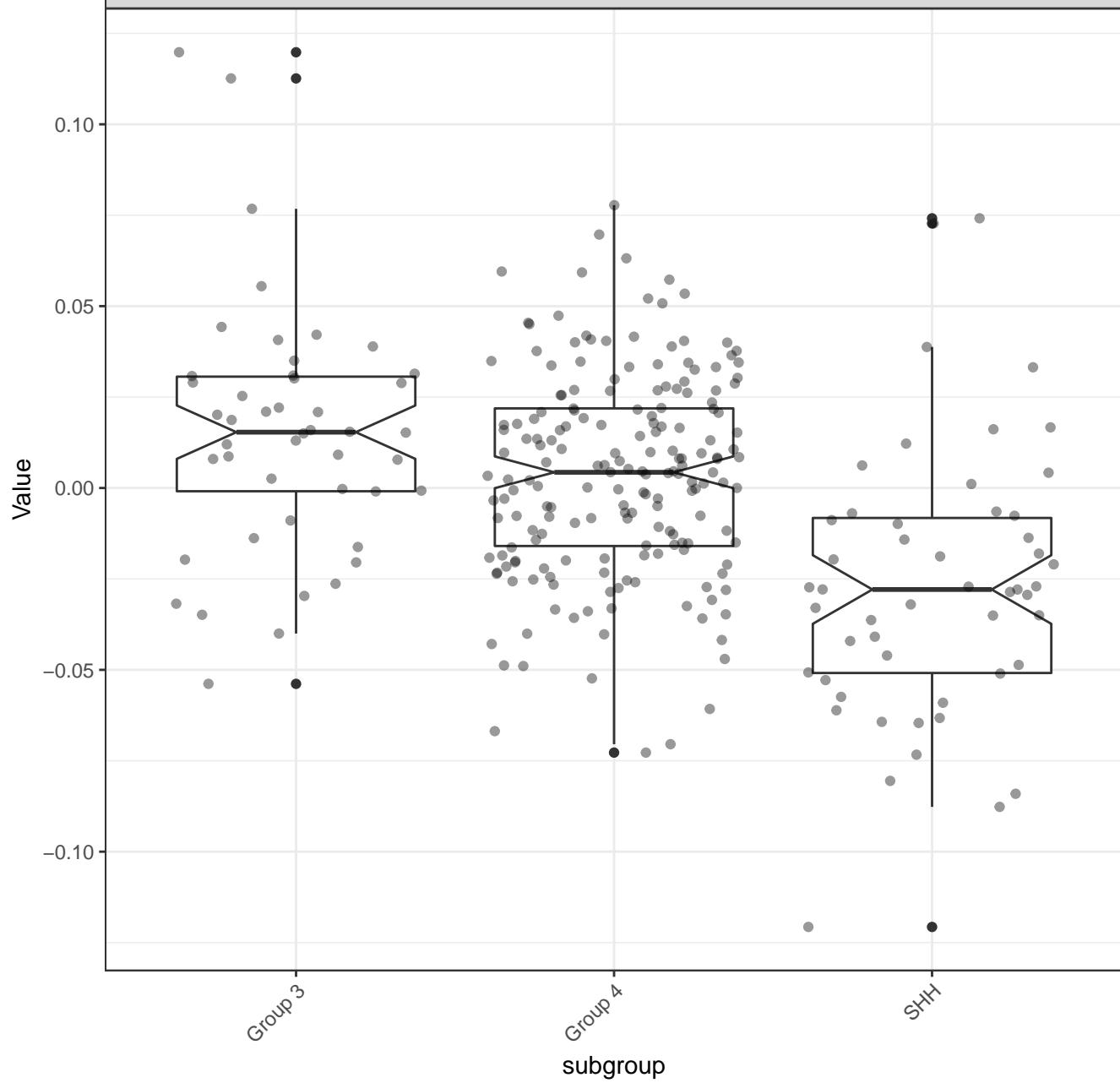


LV 718

Value



719,DMAP_CMP



720,PID_FANCONI_PATHWAY

Value

0.50

0.25

0.00

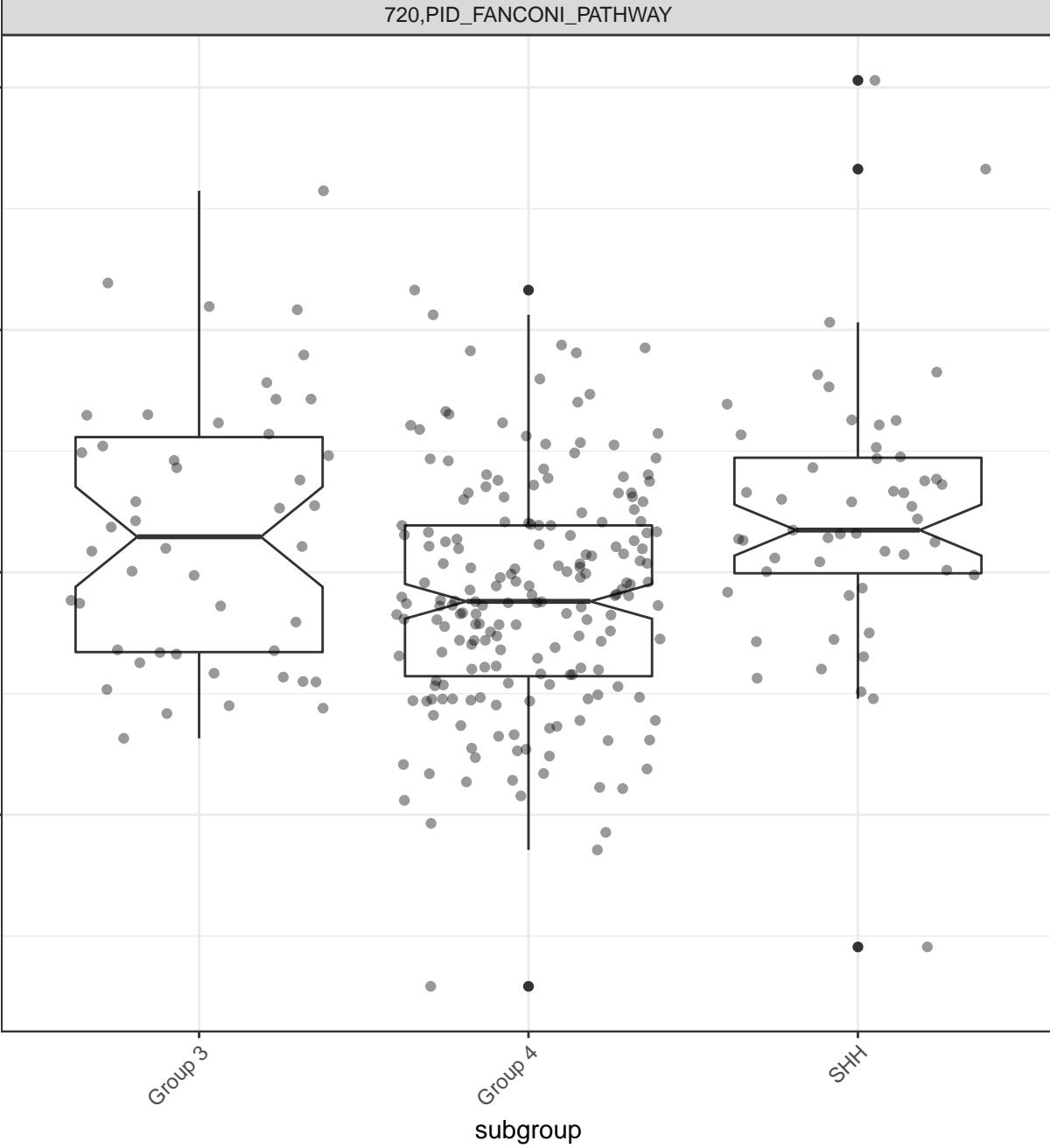
-0.25

Group 3

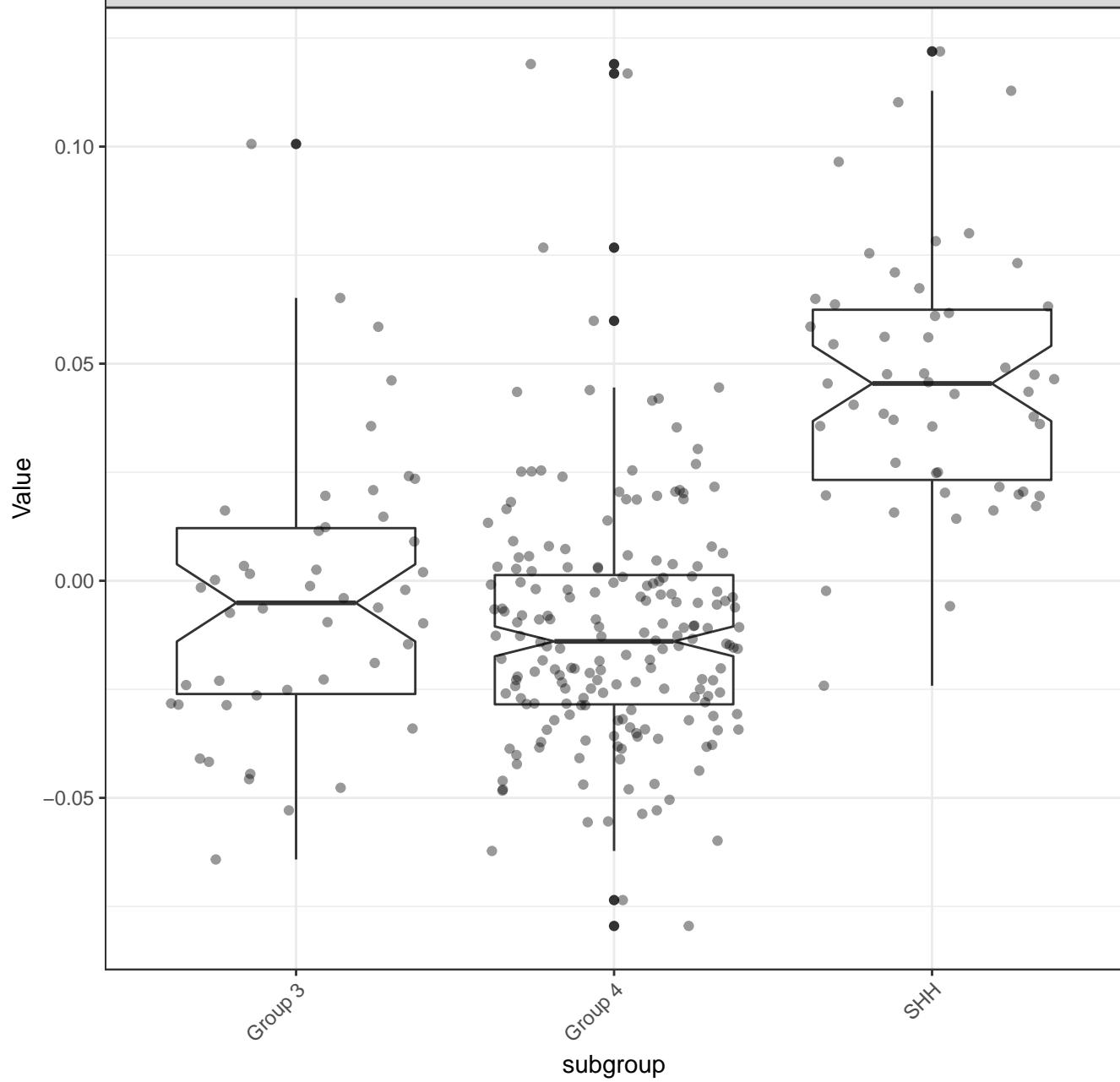
Group 4

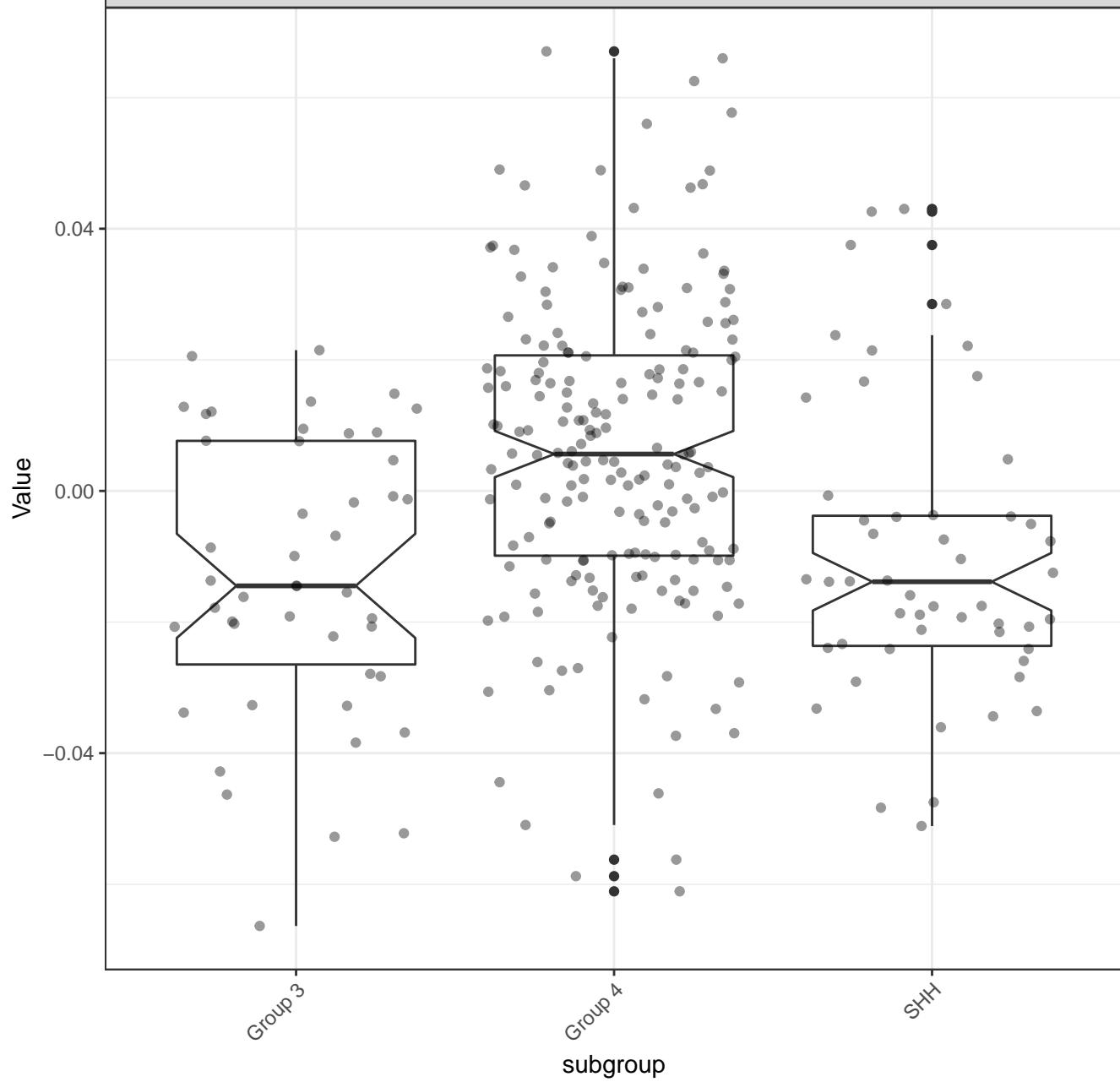
SHH

subgroup

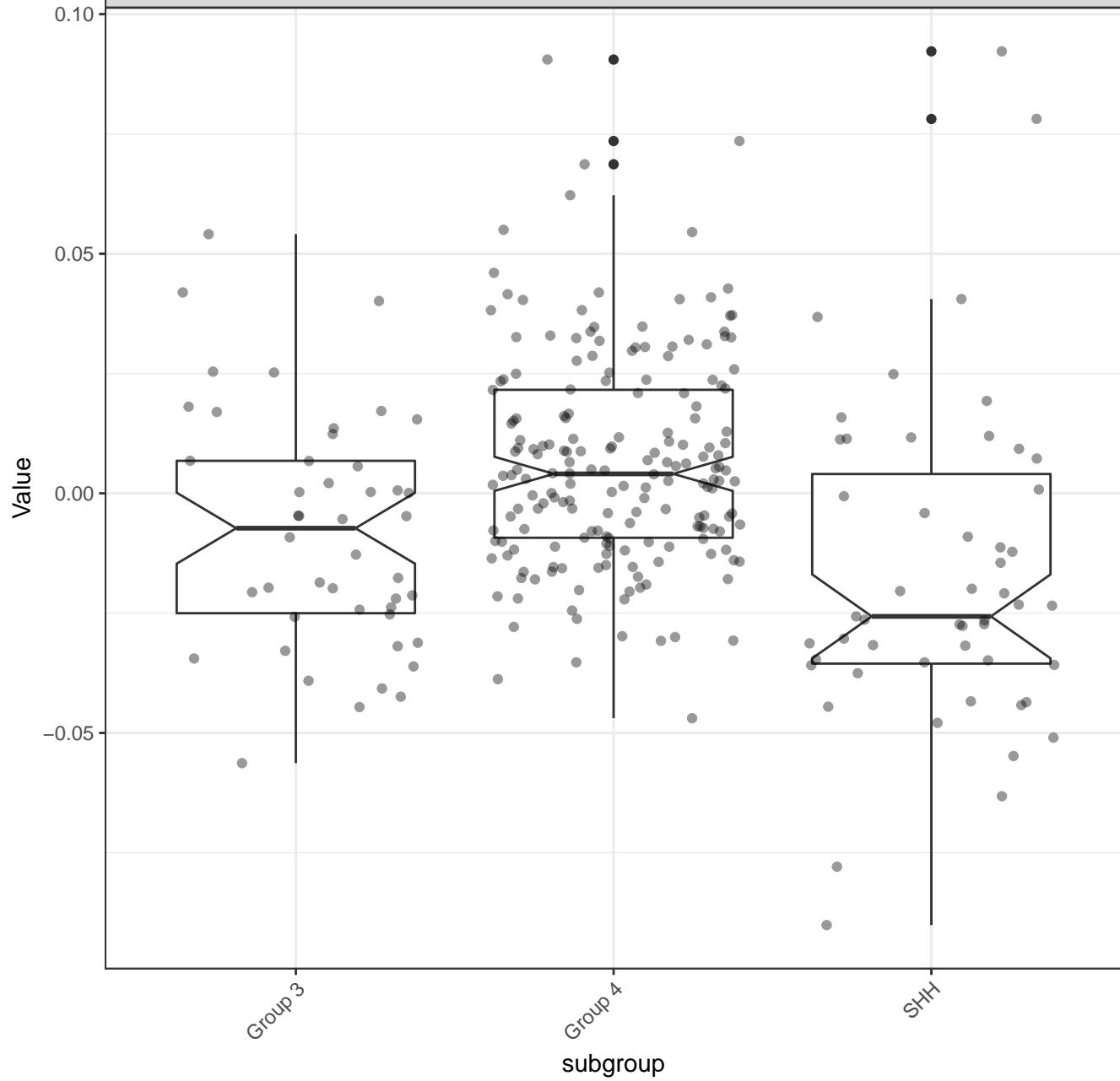


LV 721

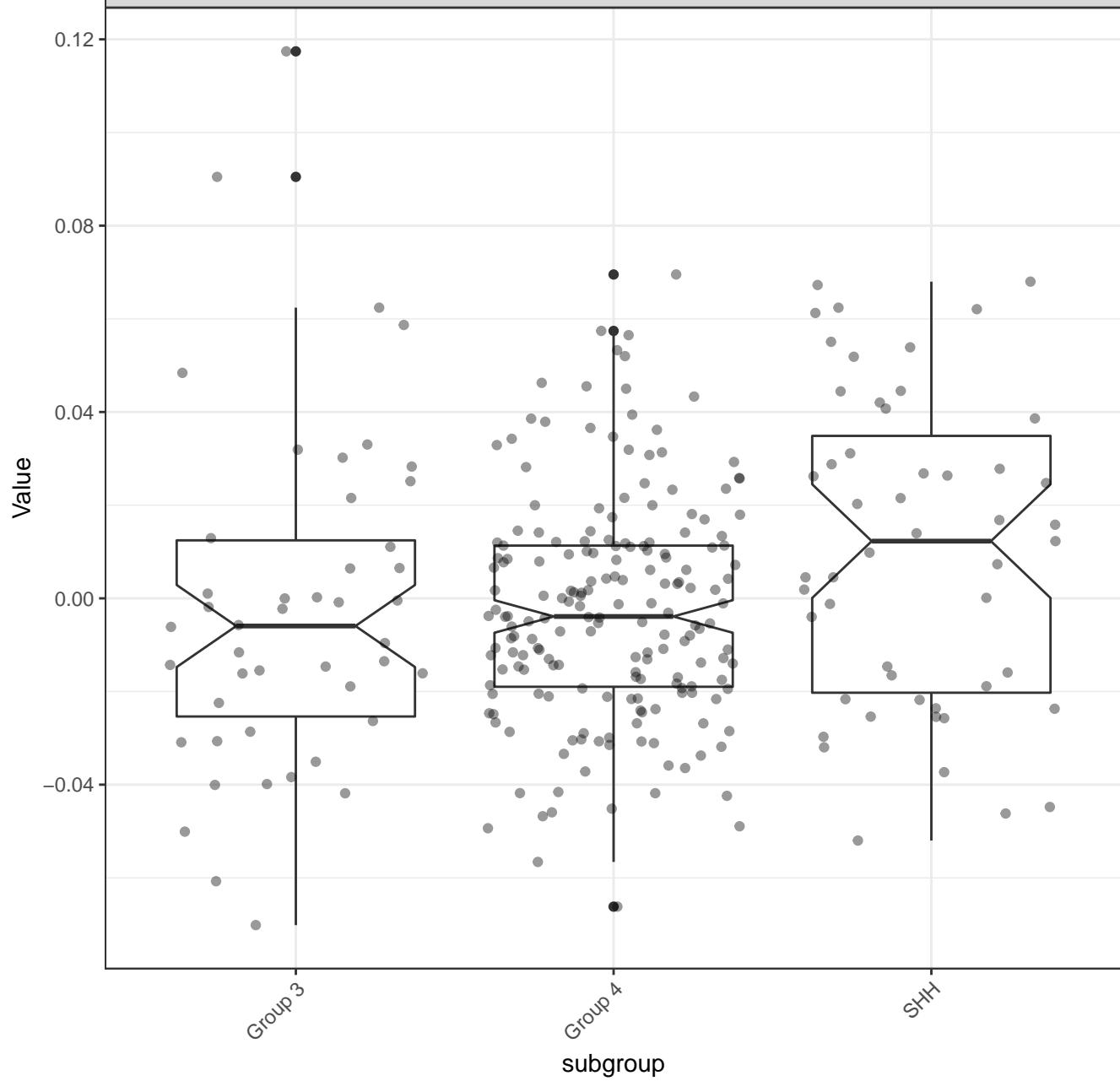




LV 723



LV 724



LV 725

Value

0.3

0.2

0.1

0.0

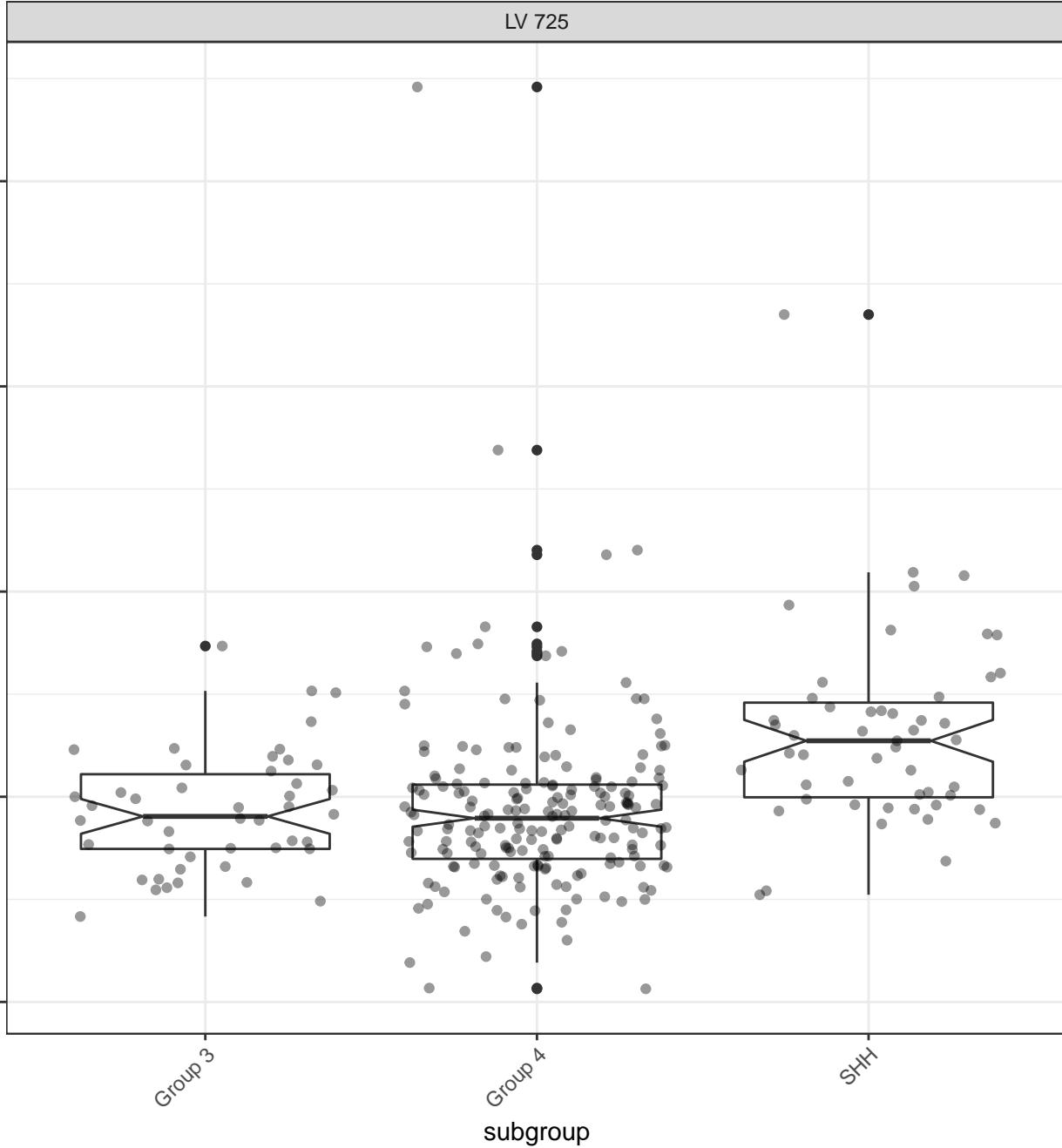
-0.1

Group 3

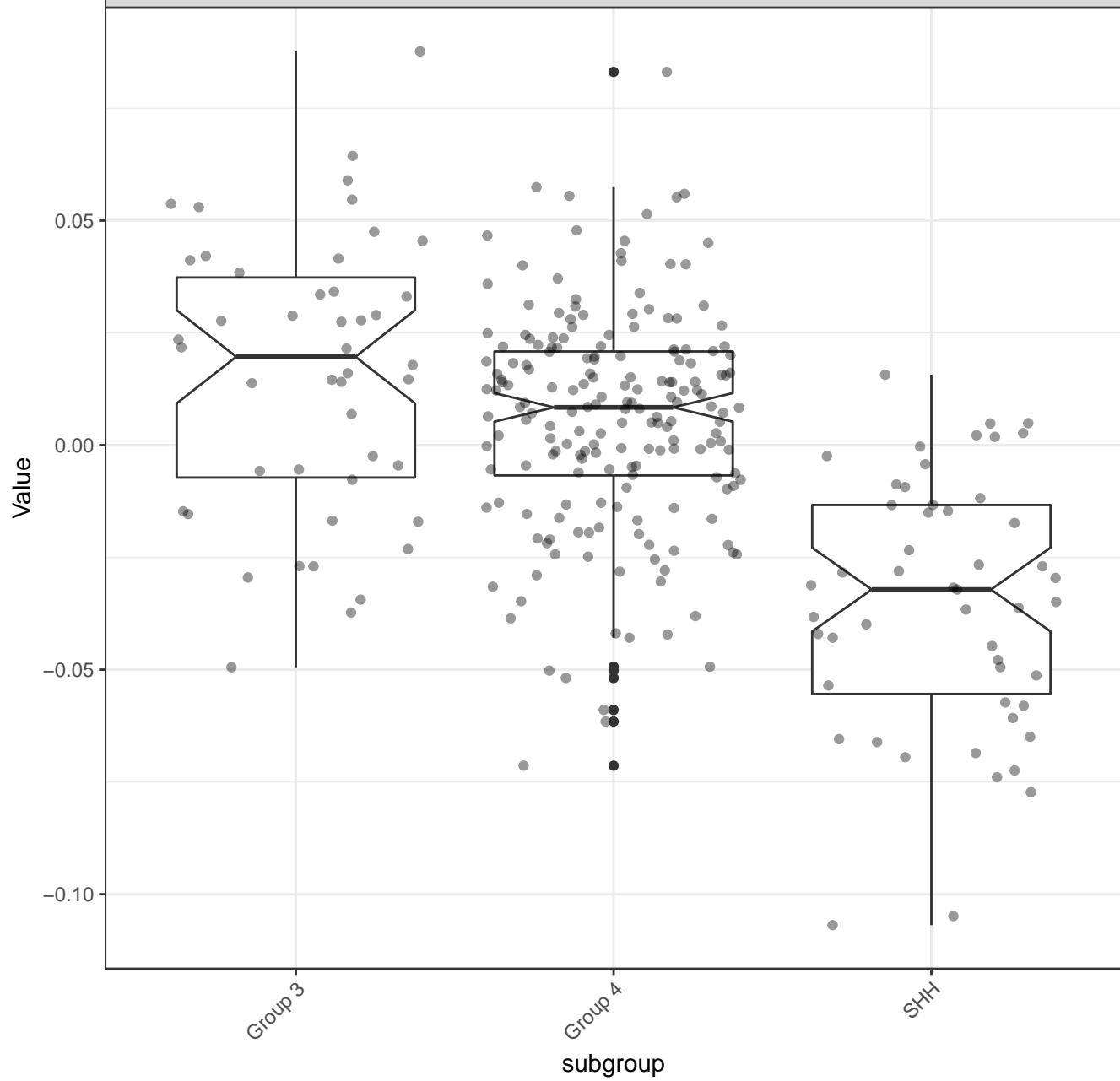
Group 4

SHH

subgroup



LV 726



Value

0.1

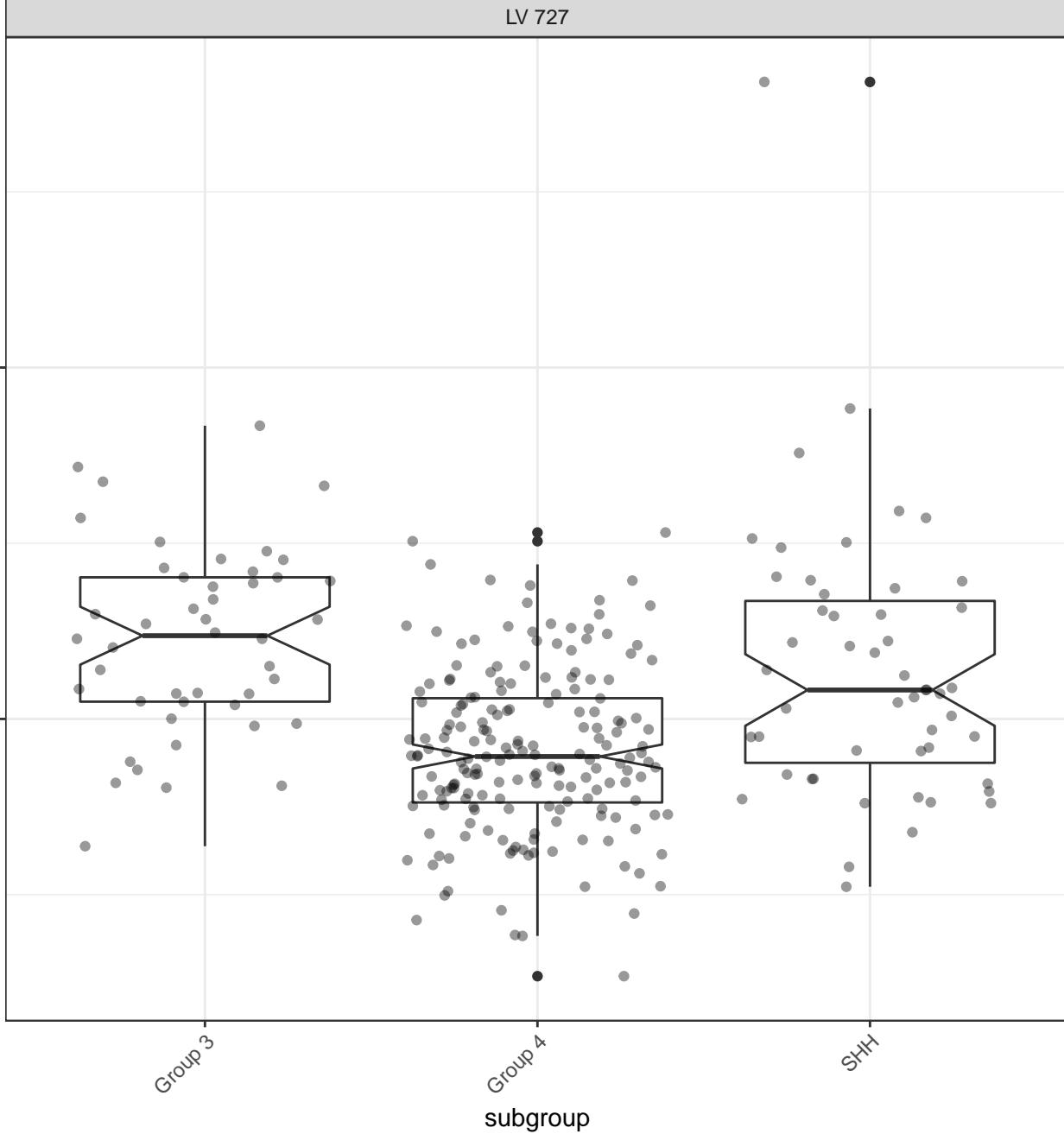
0.0

Group 3

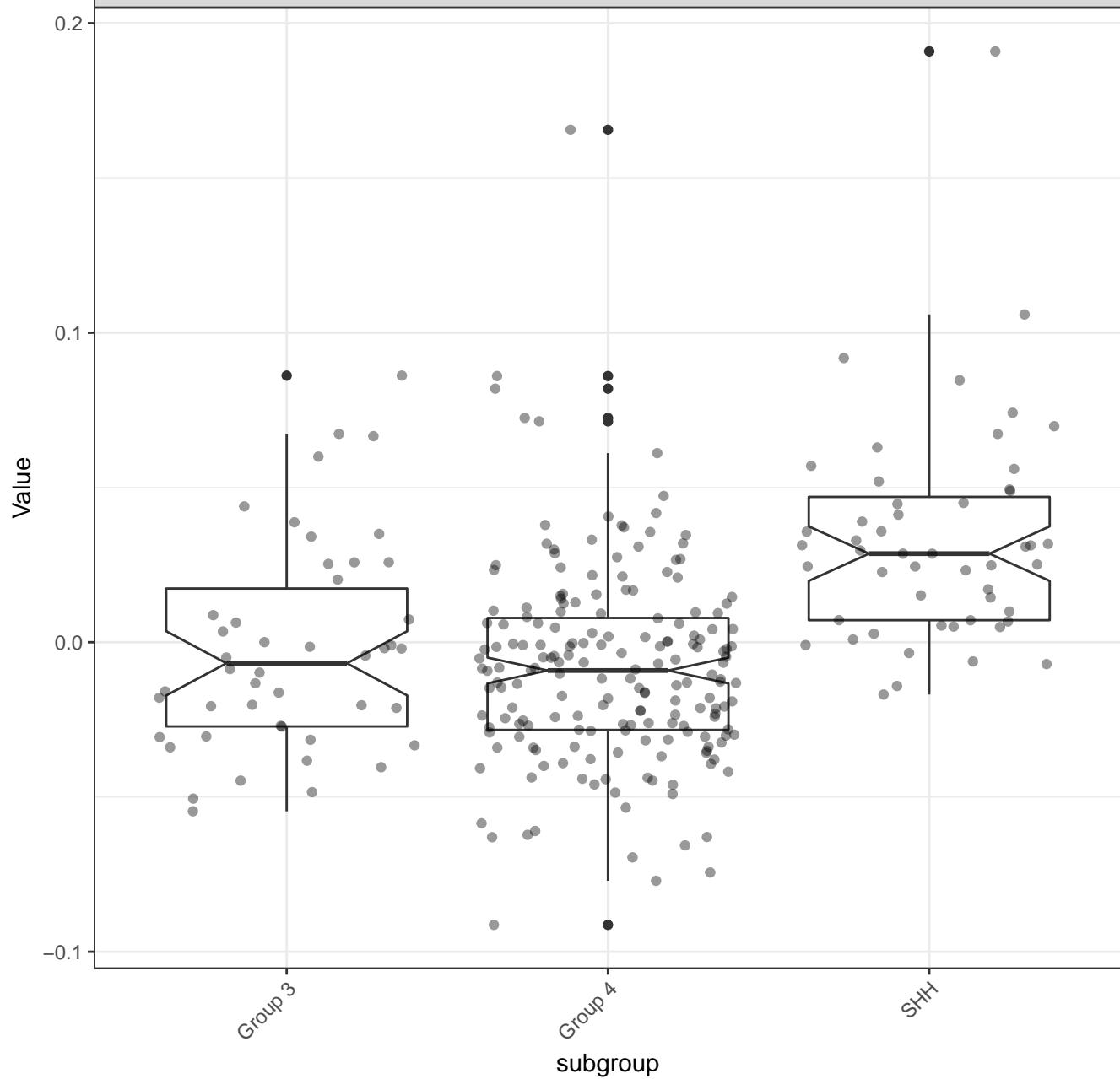
Group 4

SHH

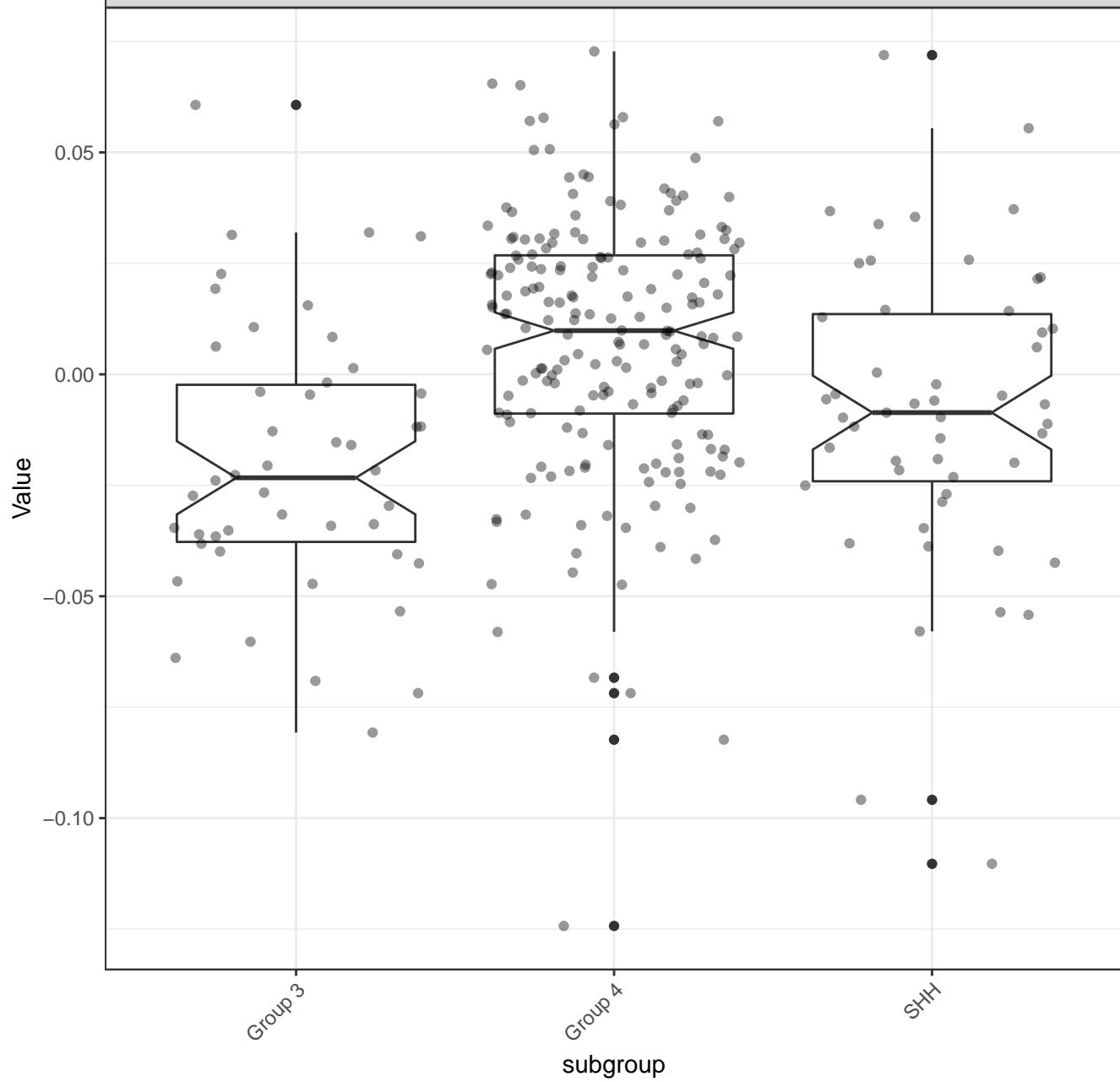
subgroup



728,SVM Mast cells activated



LV 729



Value

0.2

0.1

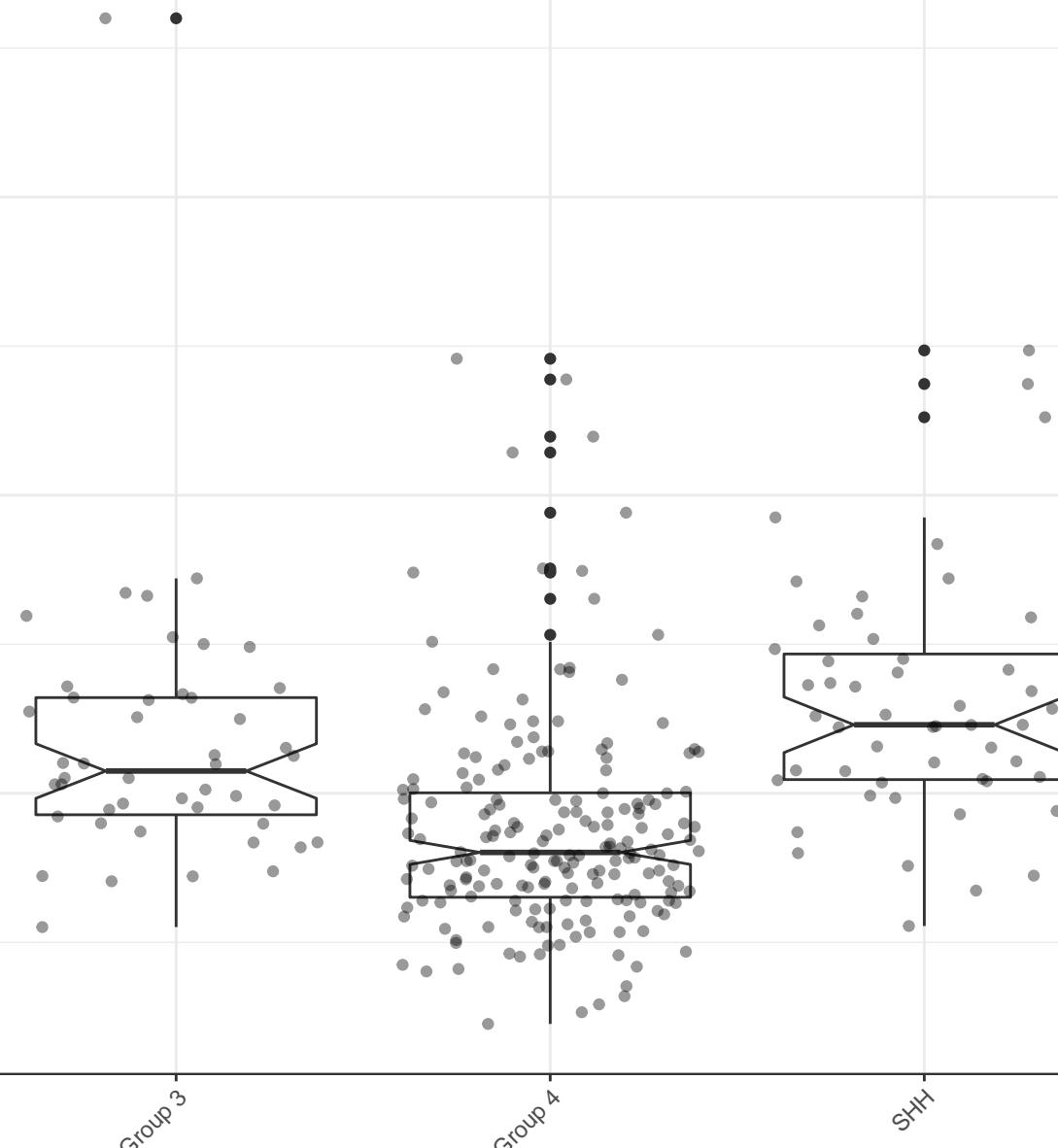
0.0

Group 3

Group 4

SHH

subgroup



LV 731

Value

0.10

0.05

0.00

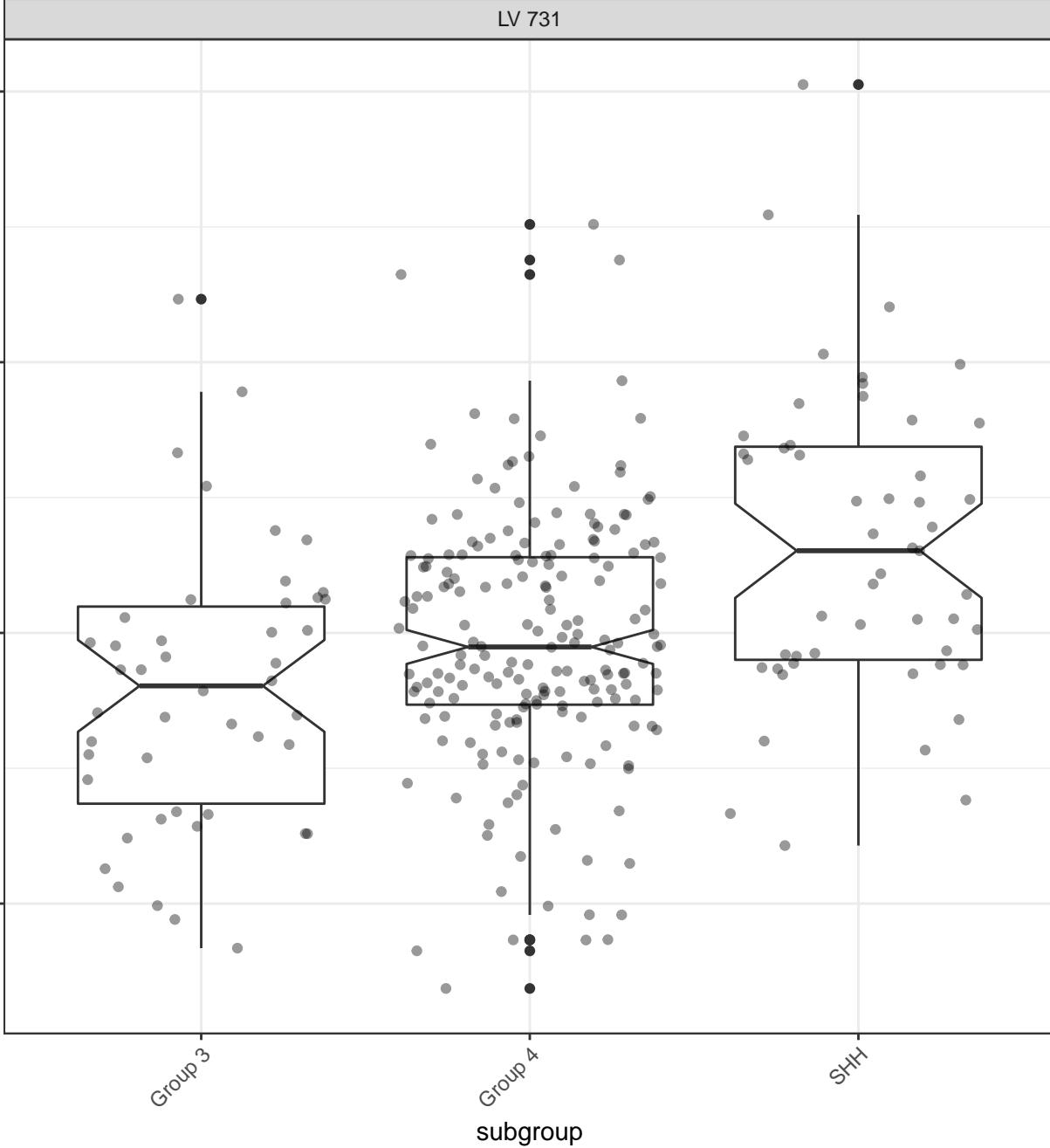
-0.05

Group 3

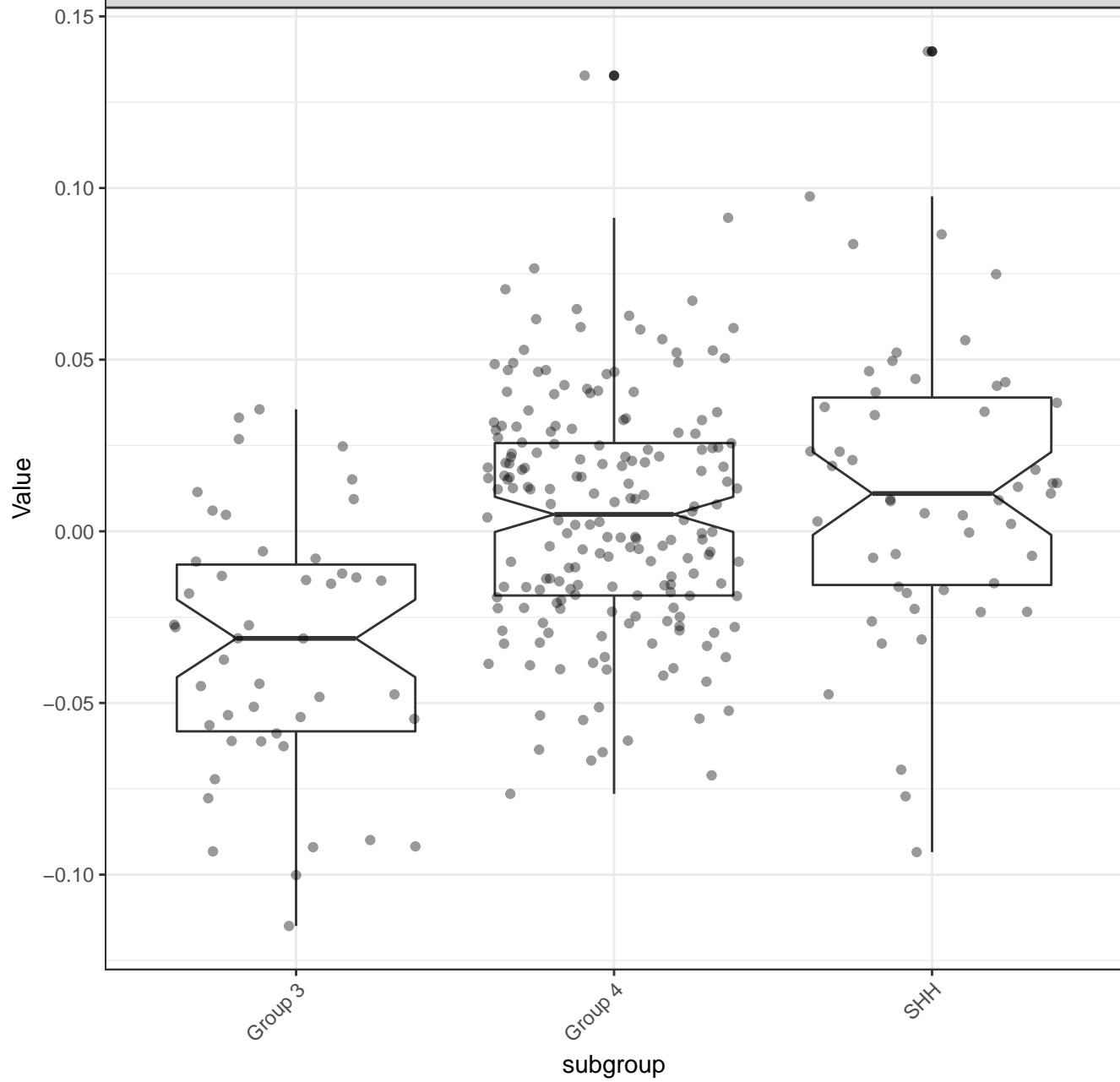
Group 4

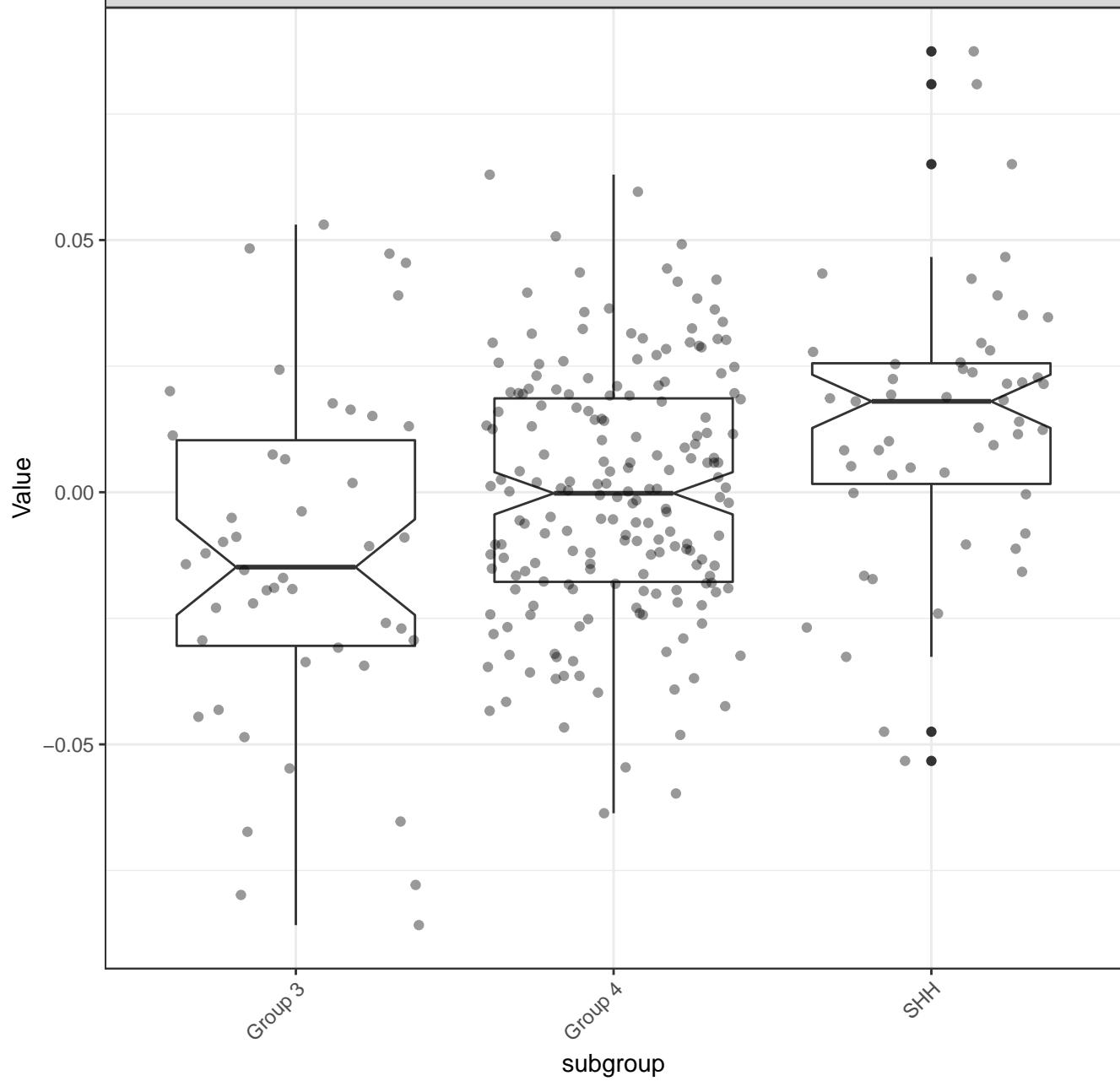
SHH

subgroup

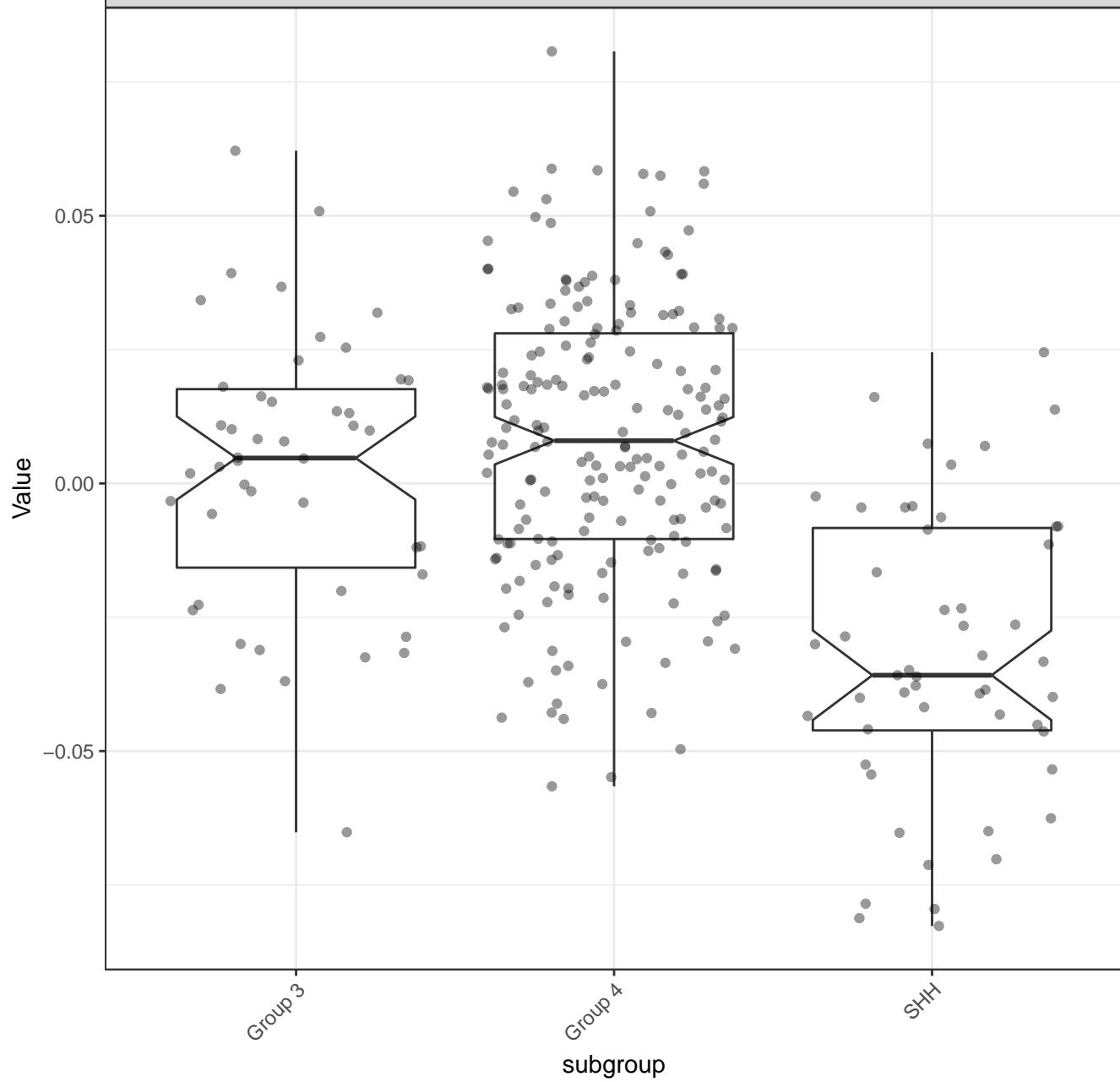


LV 732

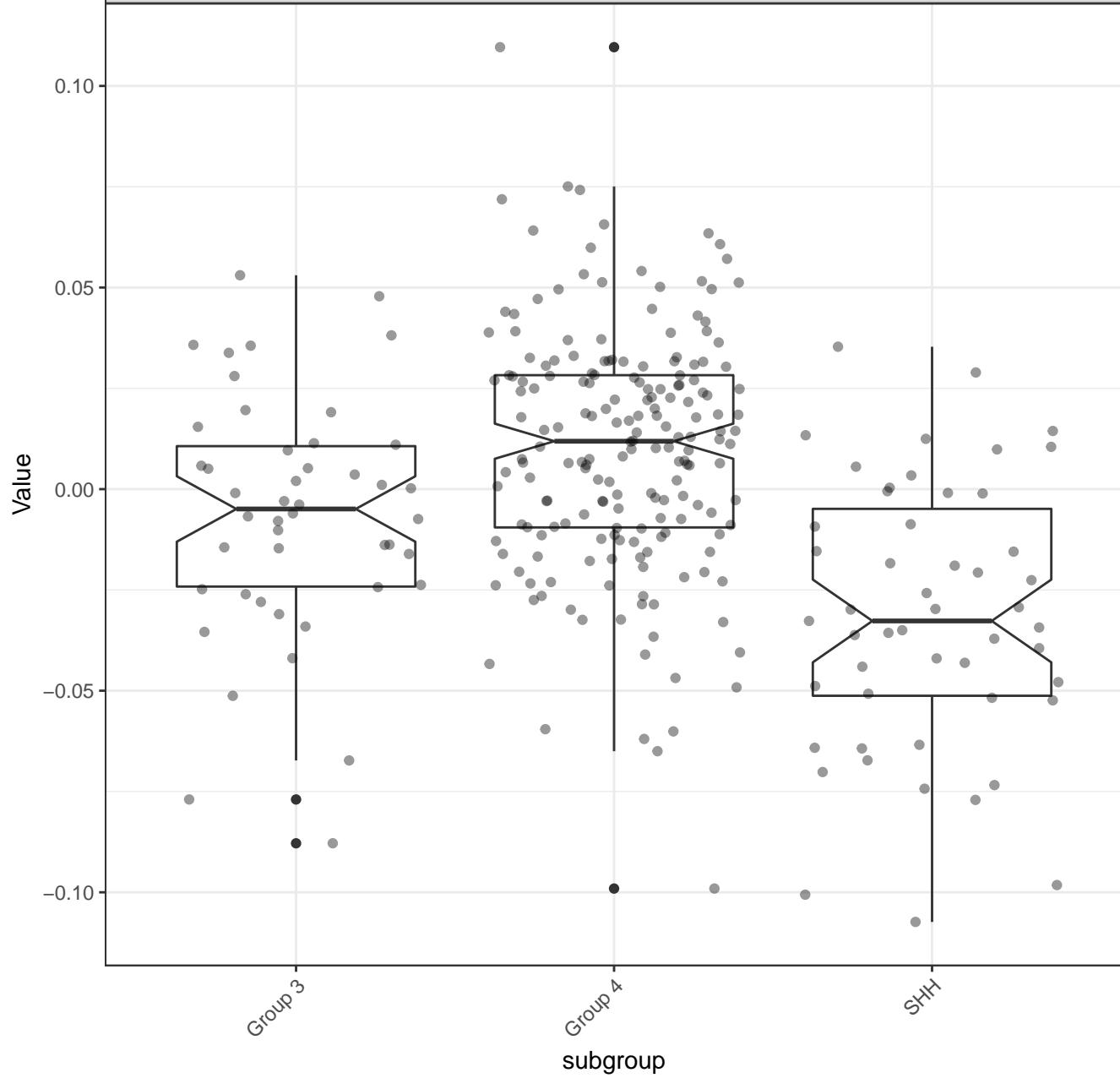




LV 734

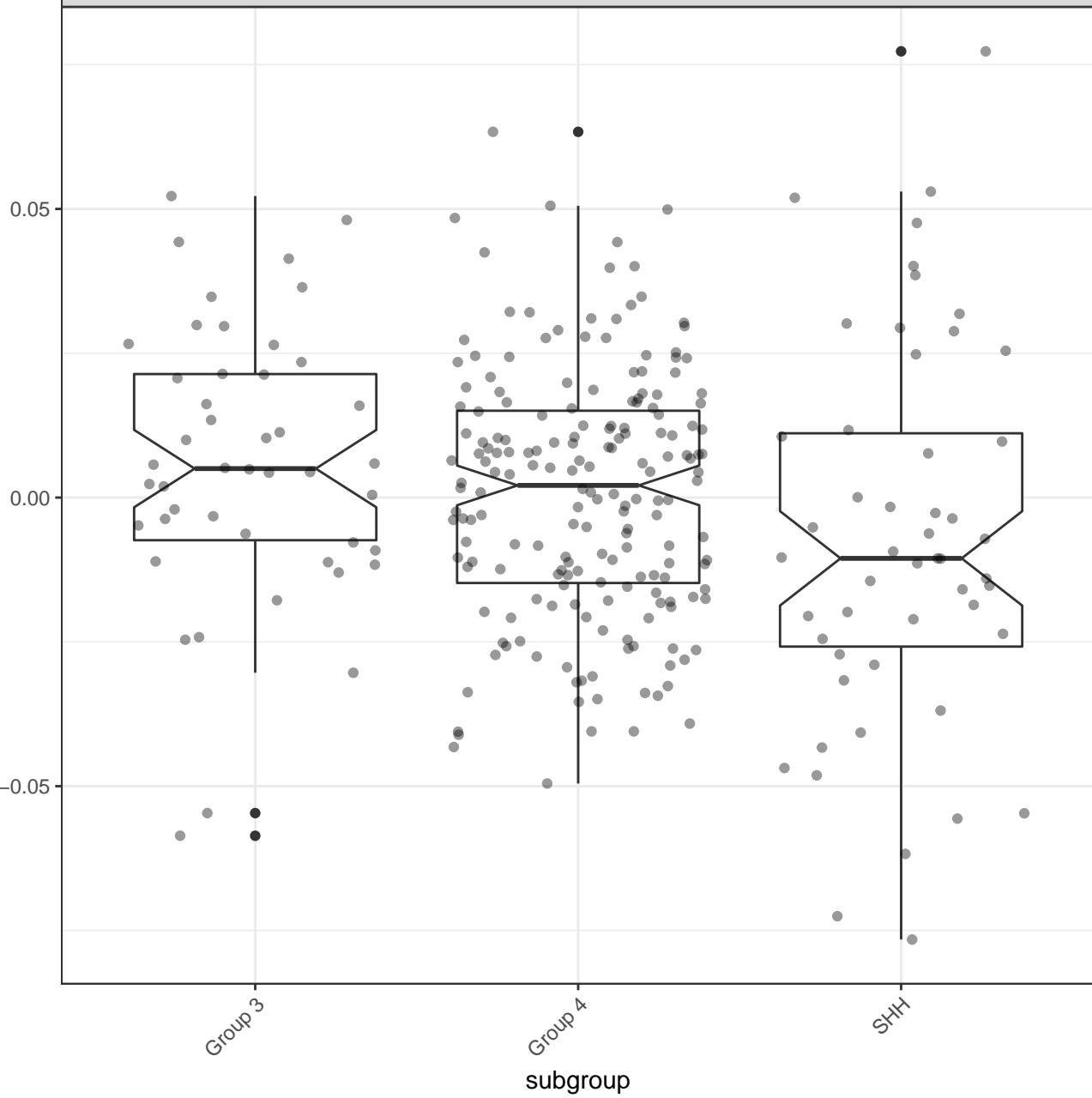


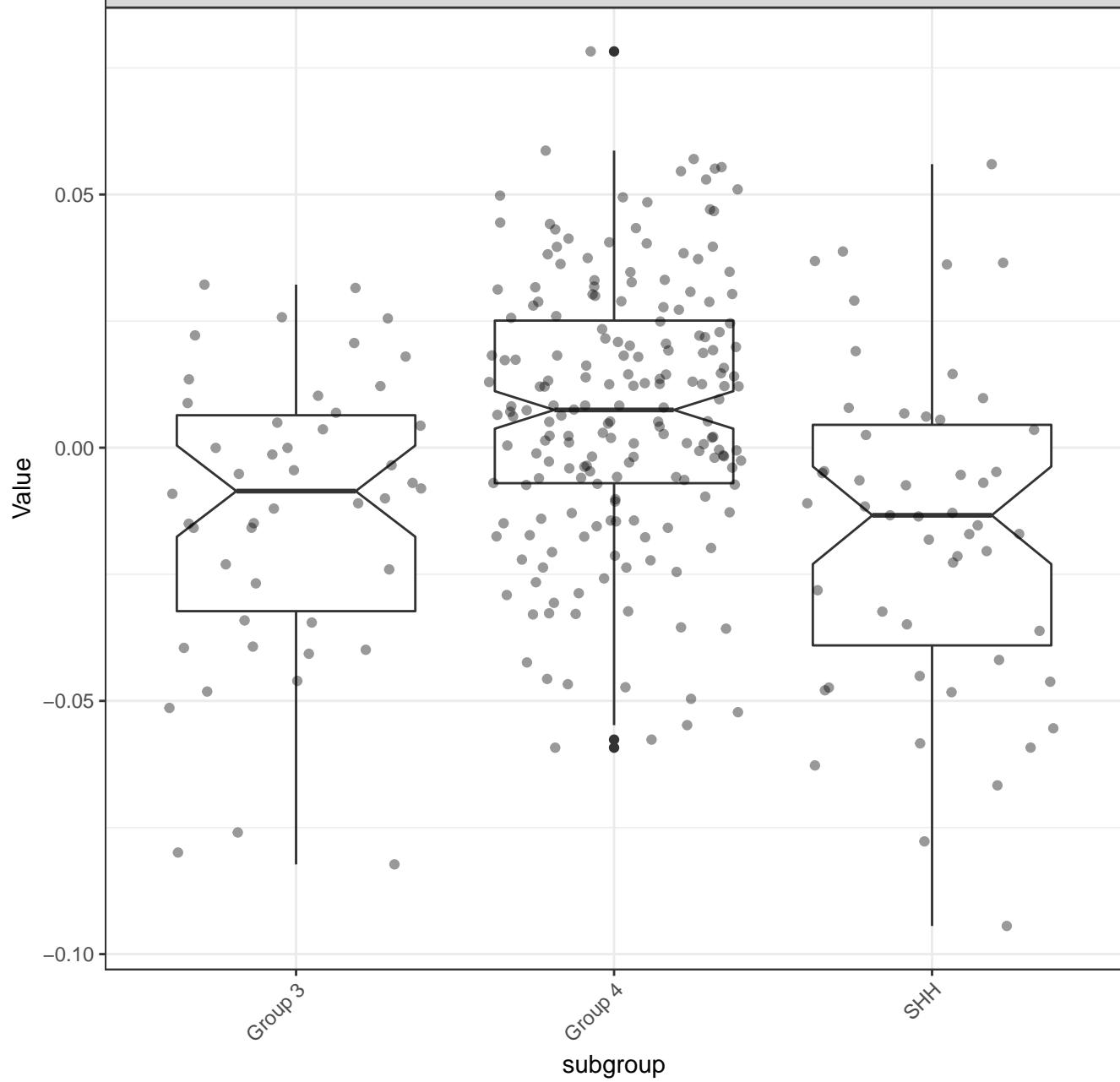
735,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



LV 736

Value





LV 738

Value

0.15

0.10

0.05

0.00

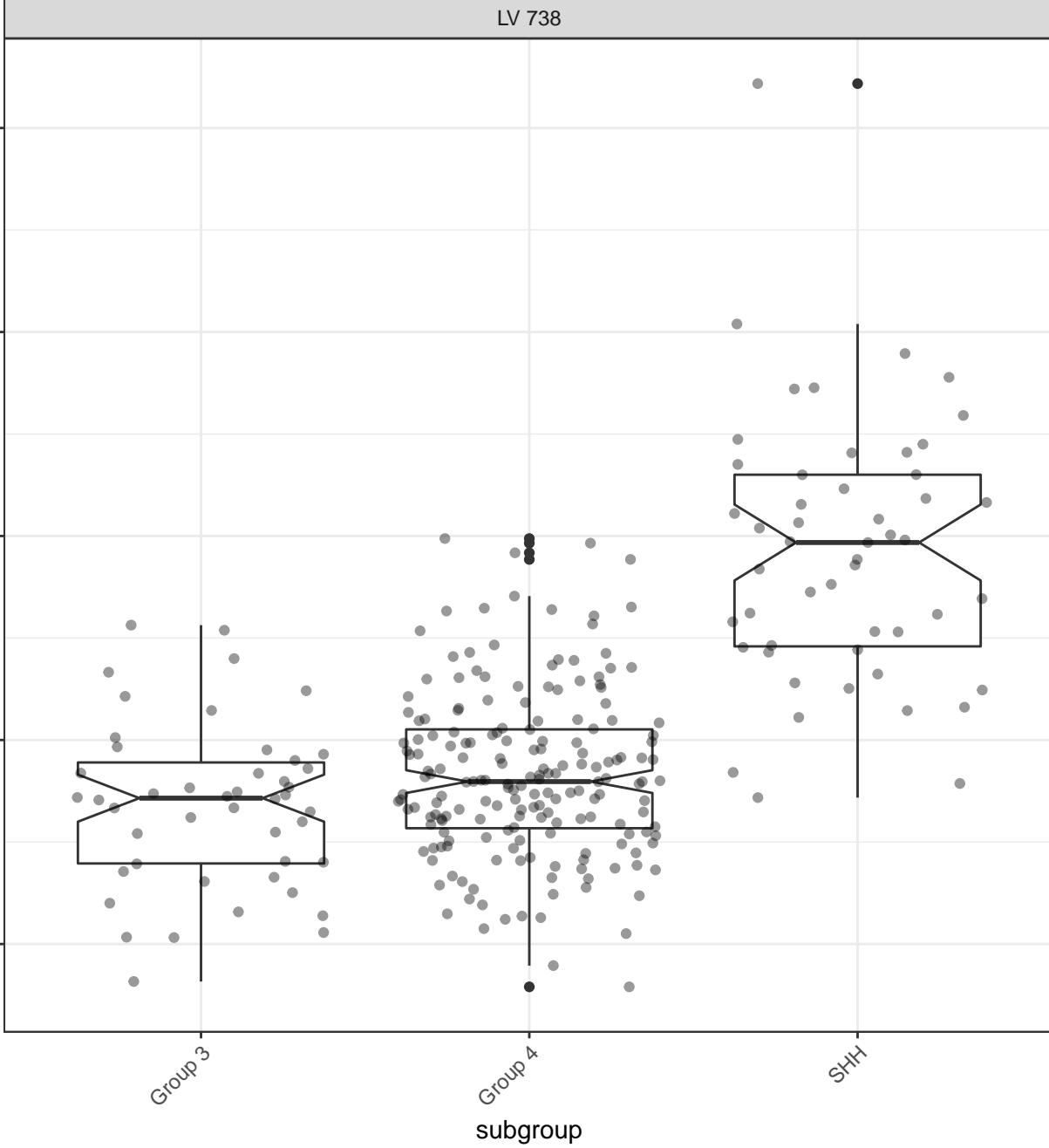
-0.05

Group 3

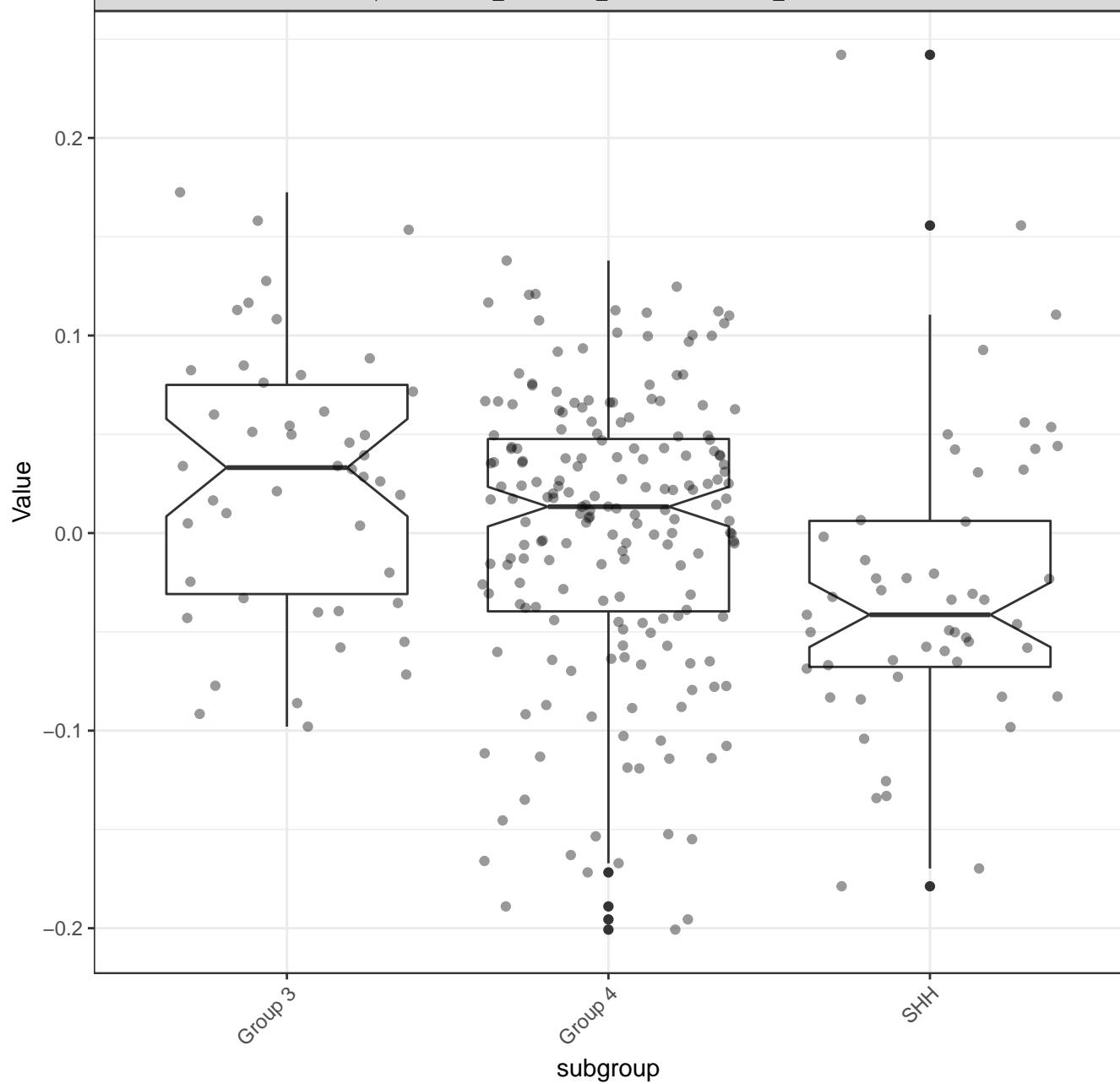
subgroup

Group 4

SHH



739,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



Value

0.04

0.00

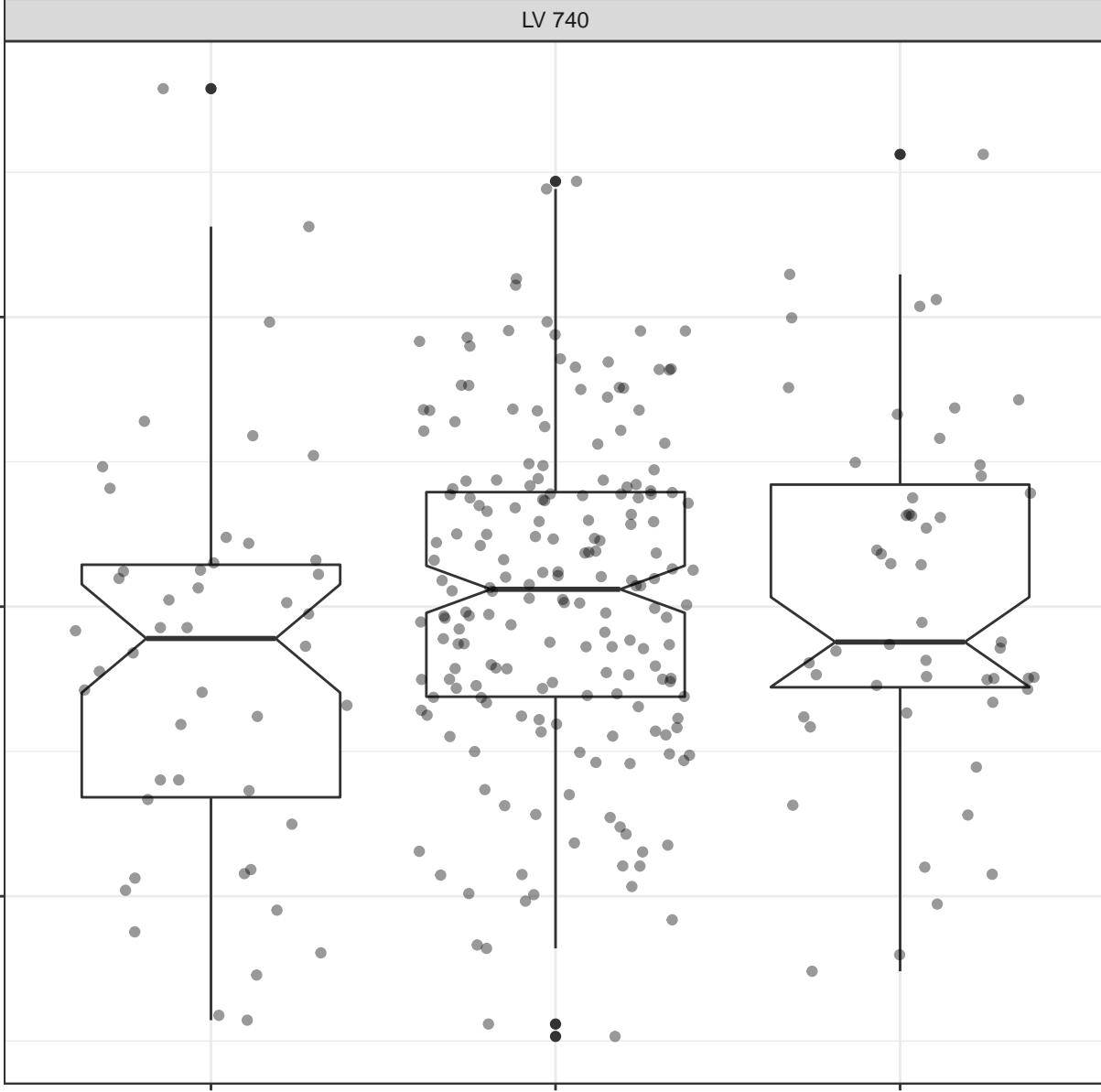
-0.04

Group 3

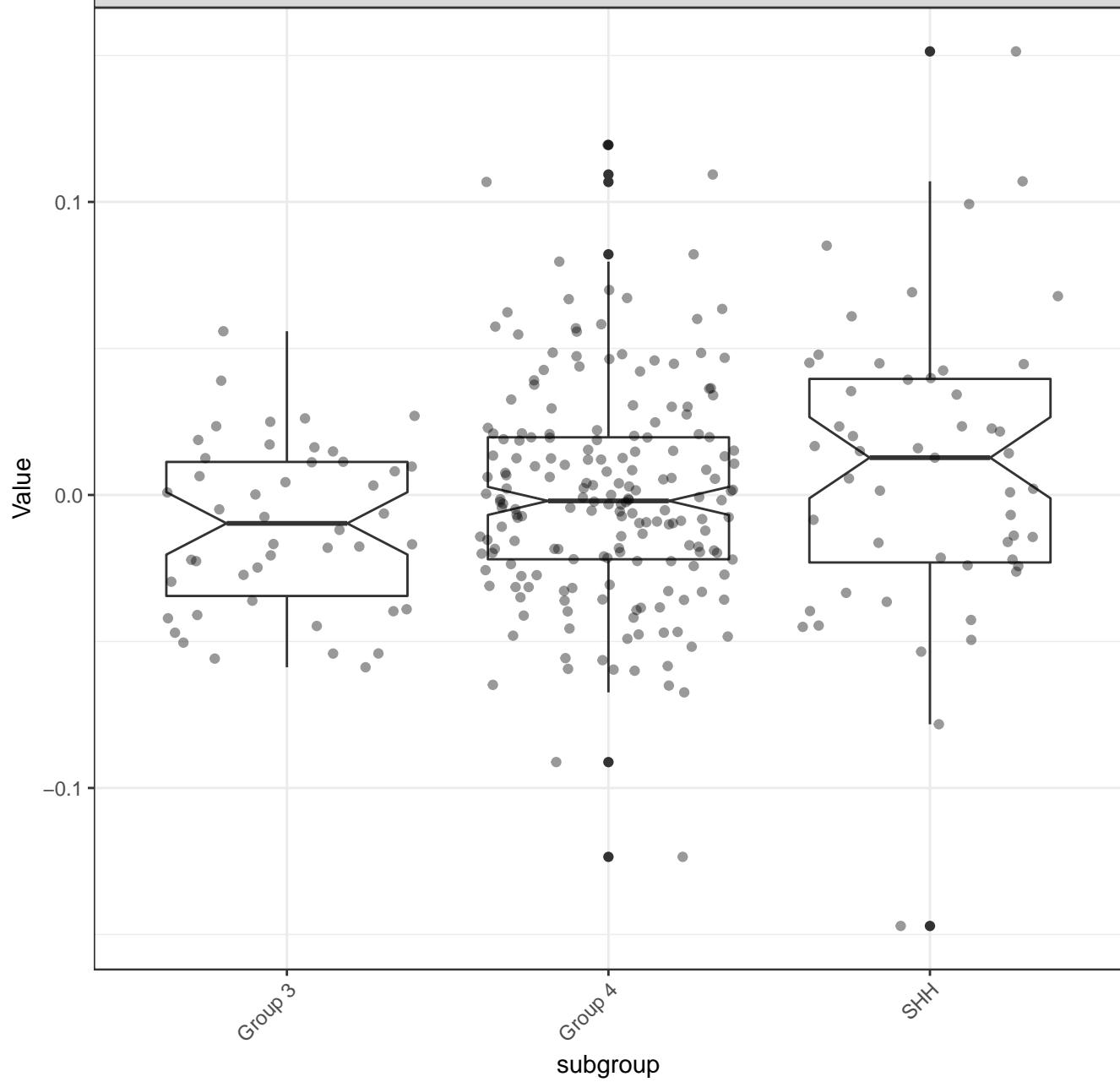
subgroup

Group 4

SHH



LV 741



LV 742

Value

0.05

0.00

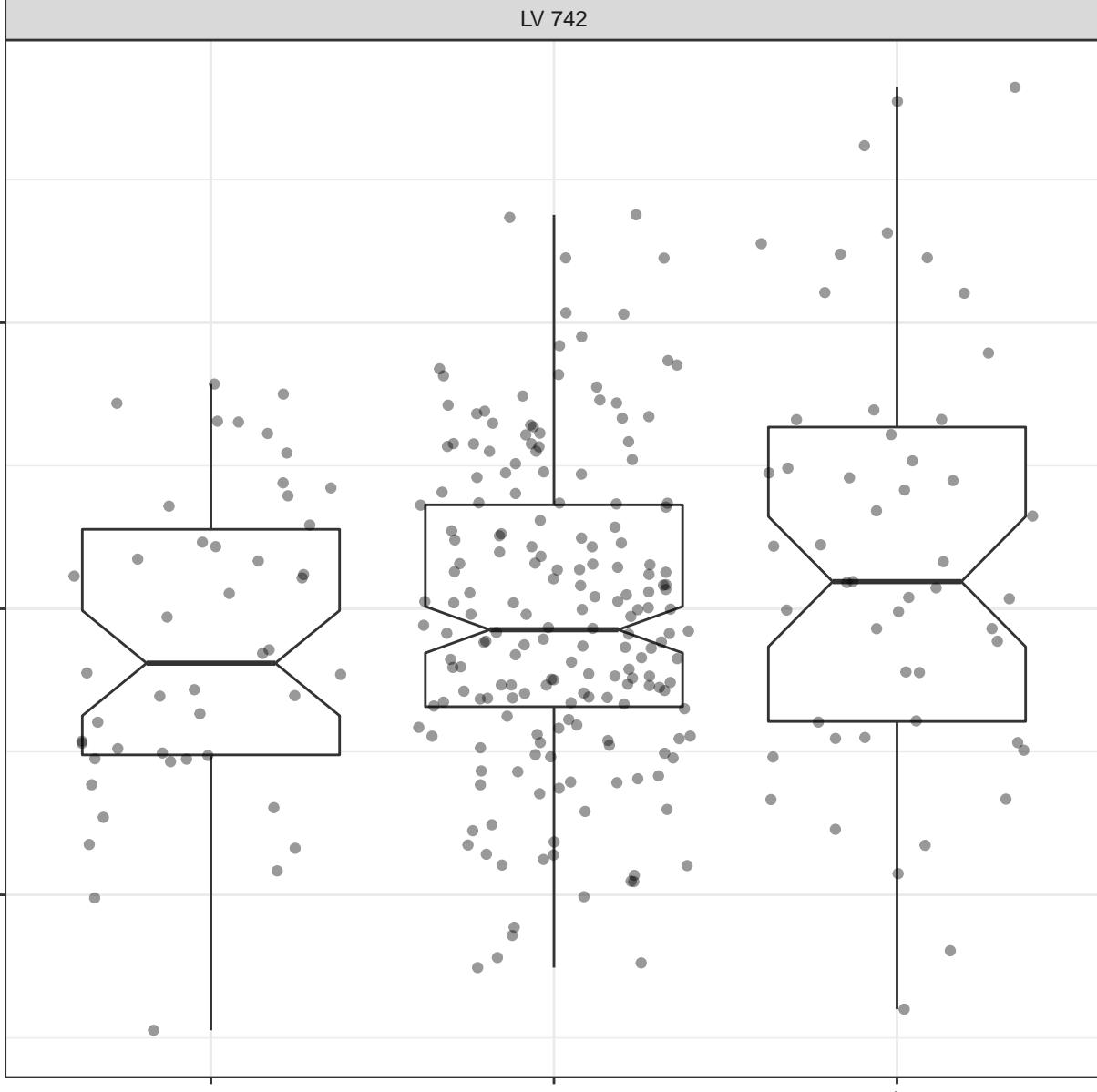
-0.05

Group 3

subgroup

Group 4

SHH



743,MIPS_55S_RIBOSOME_MITOCHONDRIAL

Value

0.4

0.2

0.0

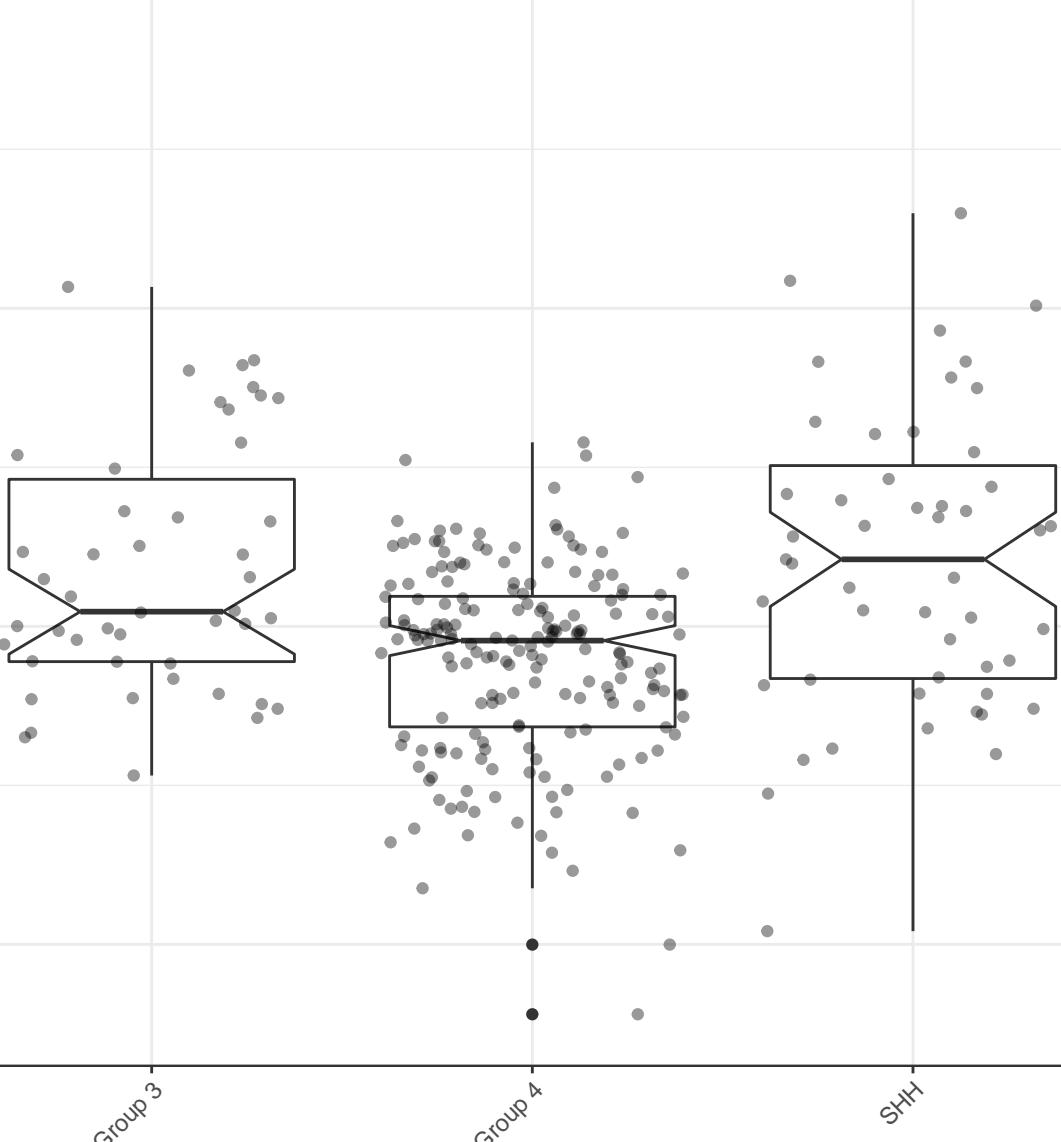
-0.2

Group 3

Group 4

SHH

subgroup



Value

0.10

0.05

0.00

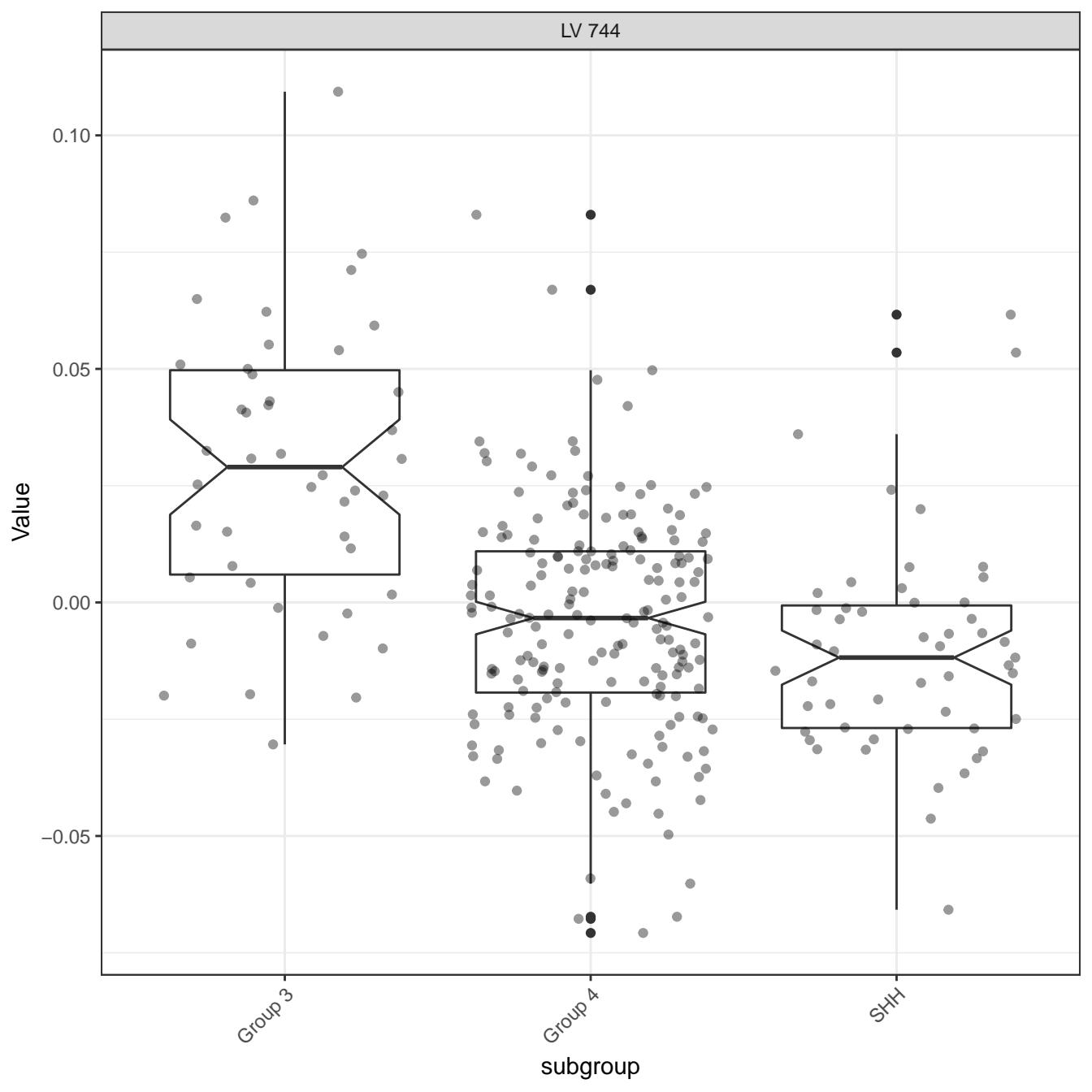
-0.05

Group 3

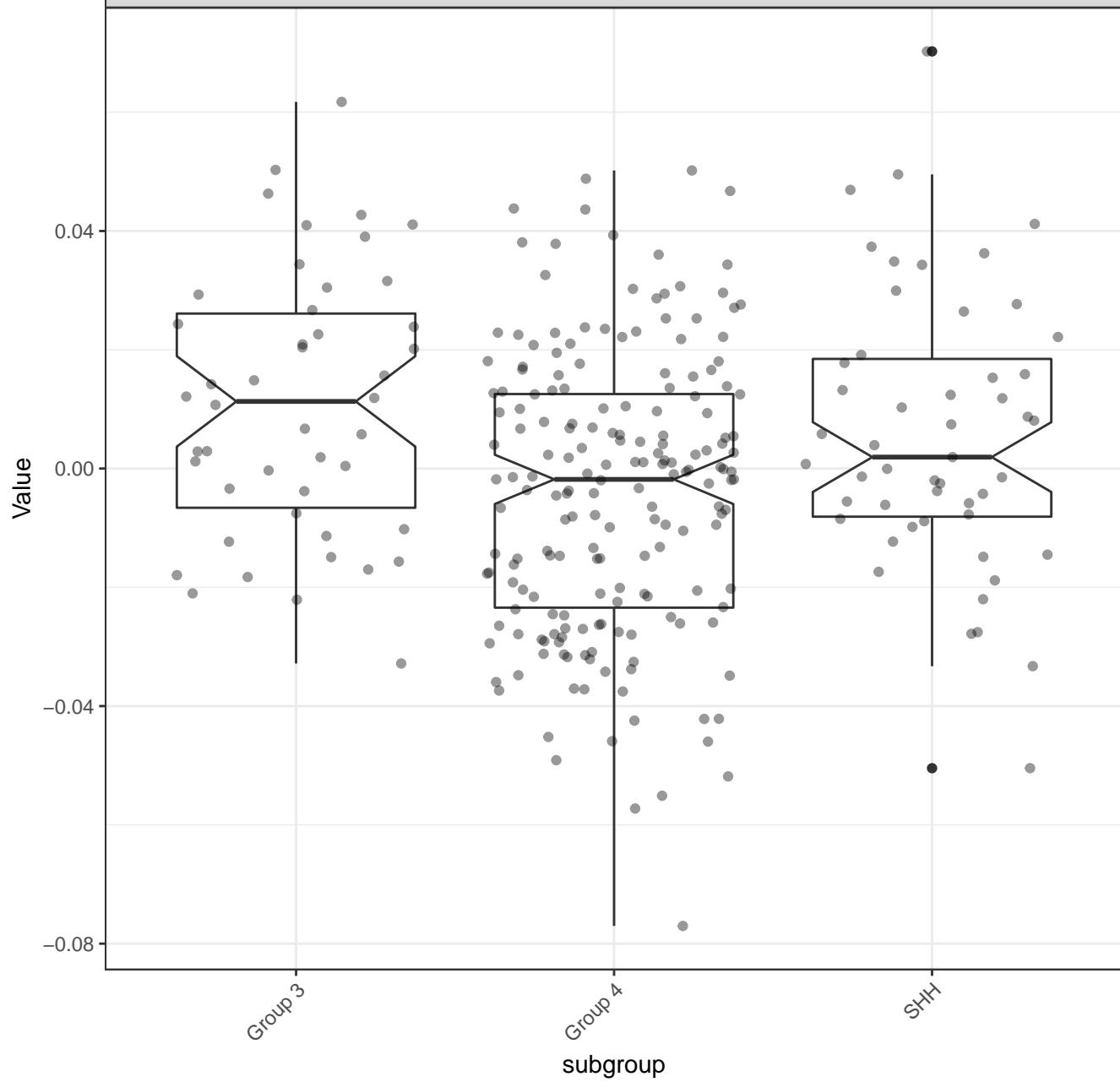
subgroup

SHH

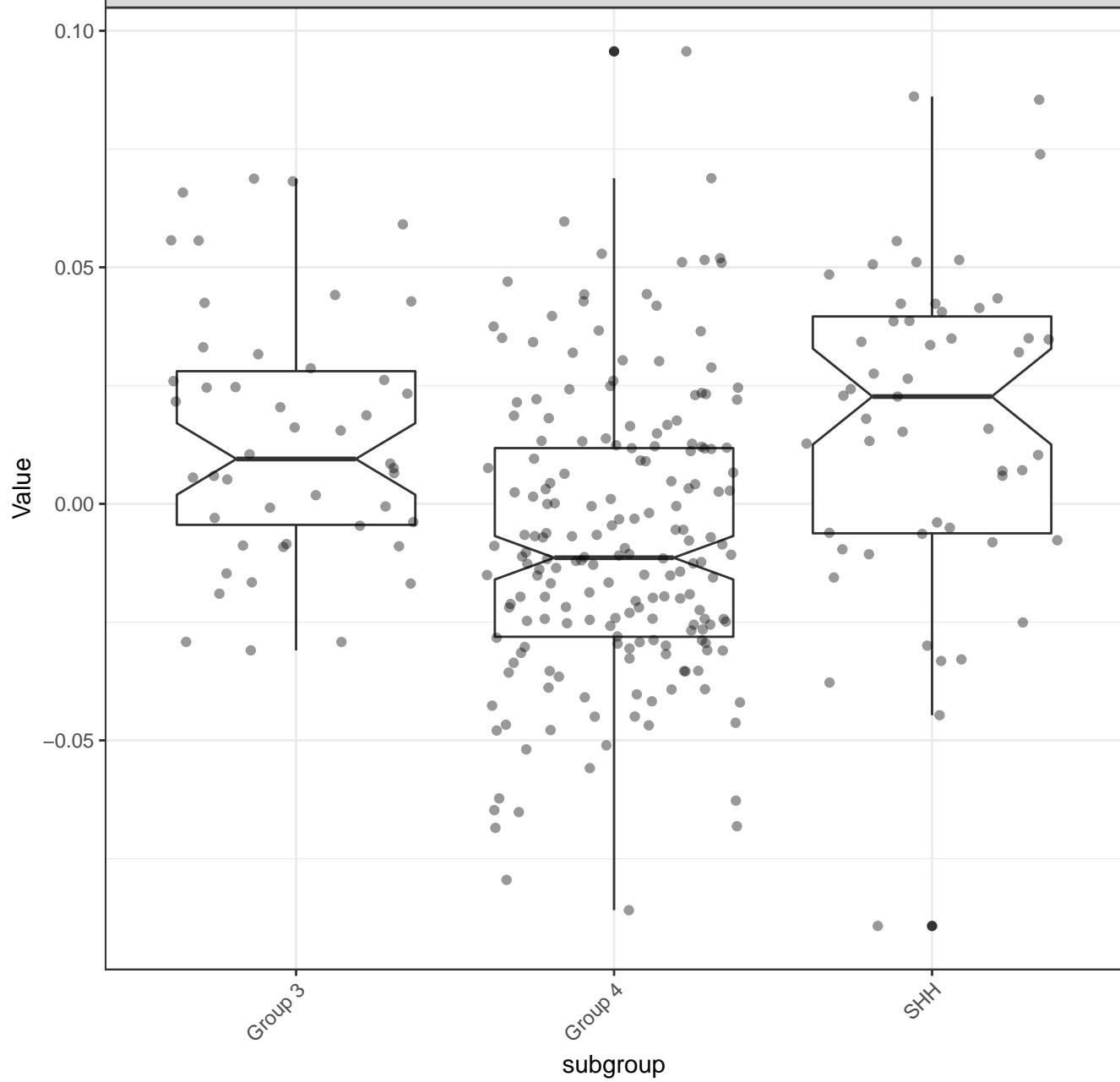
Group 4

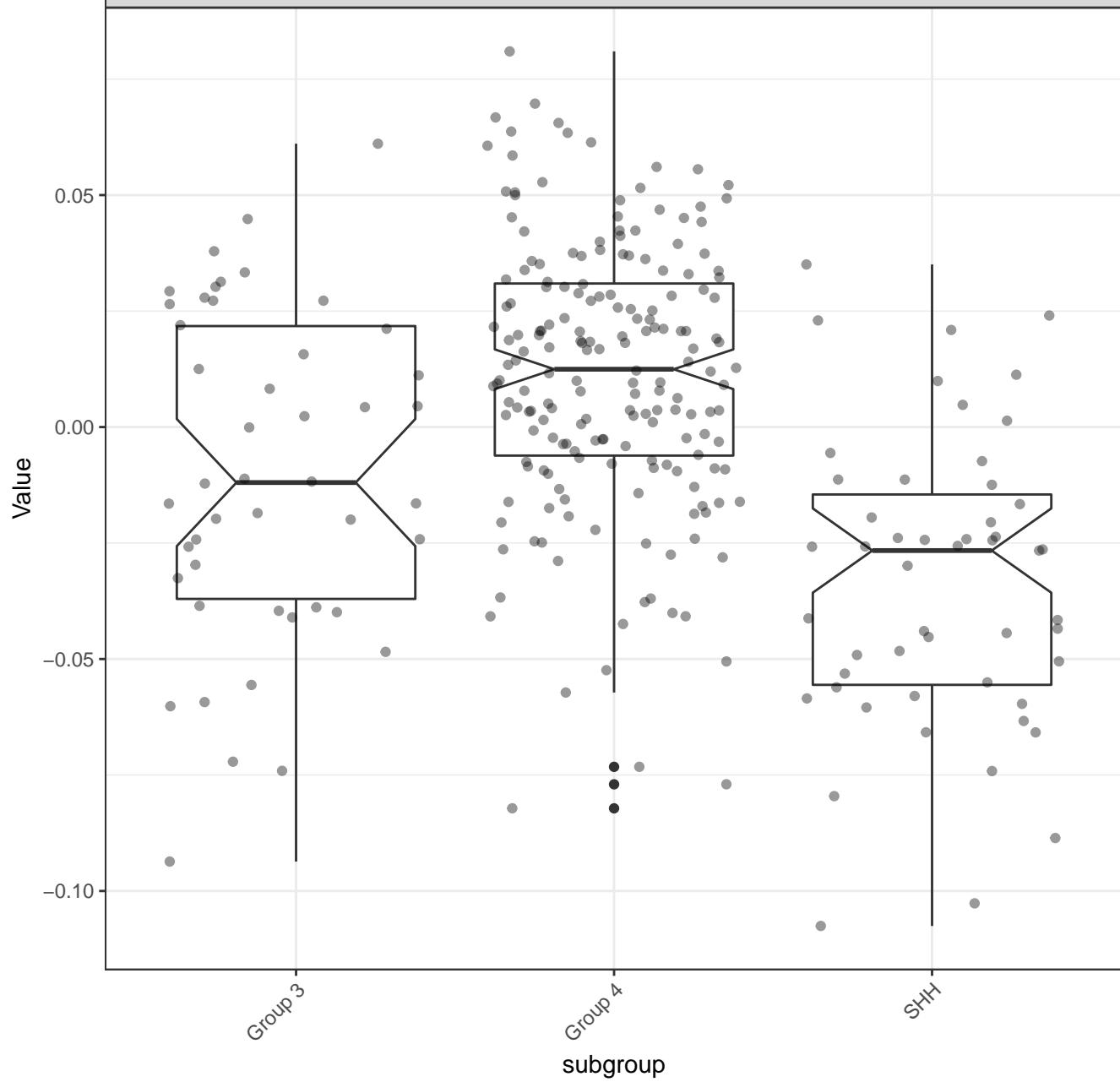


LV 745



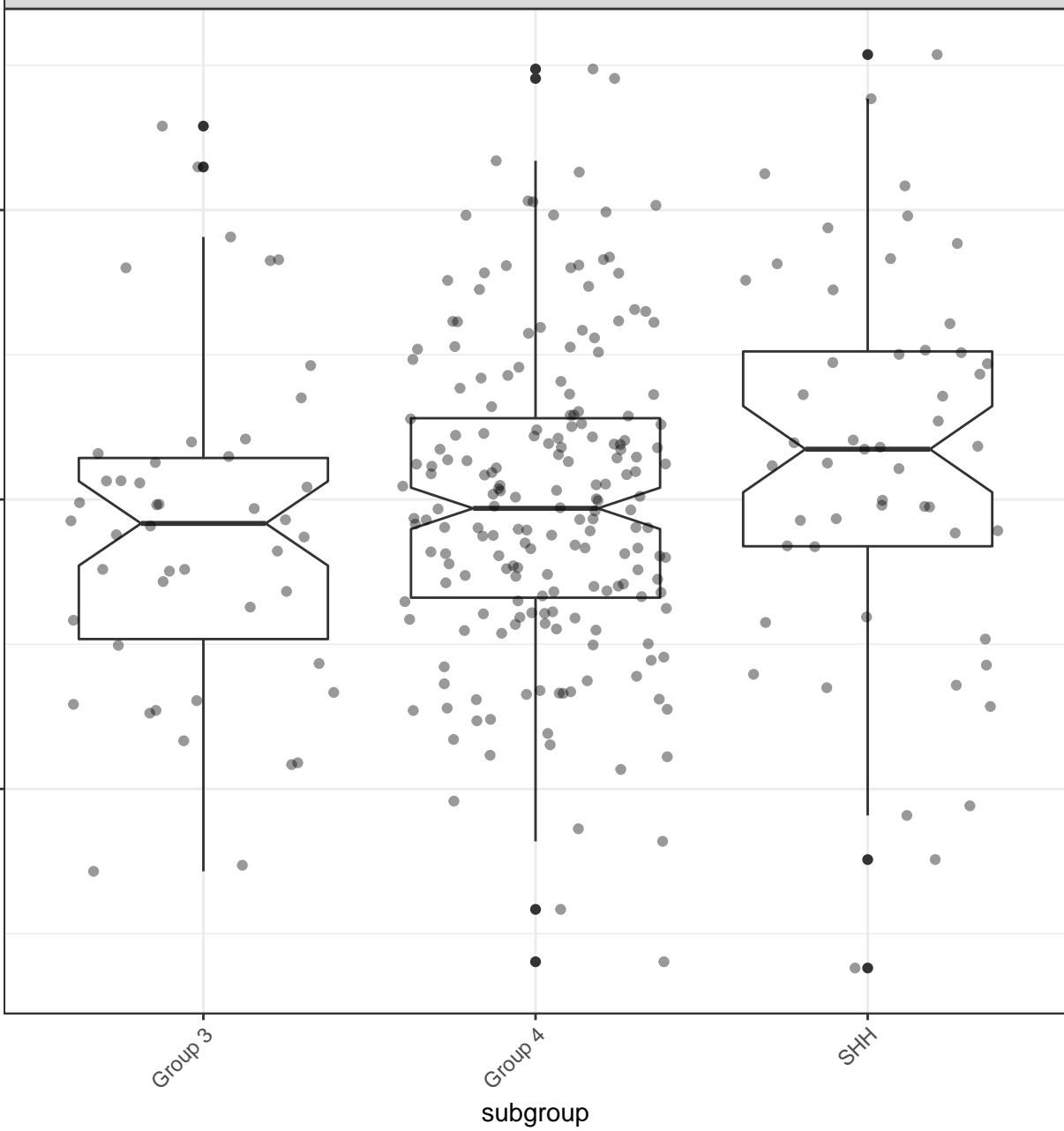
LV 746



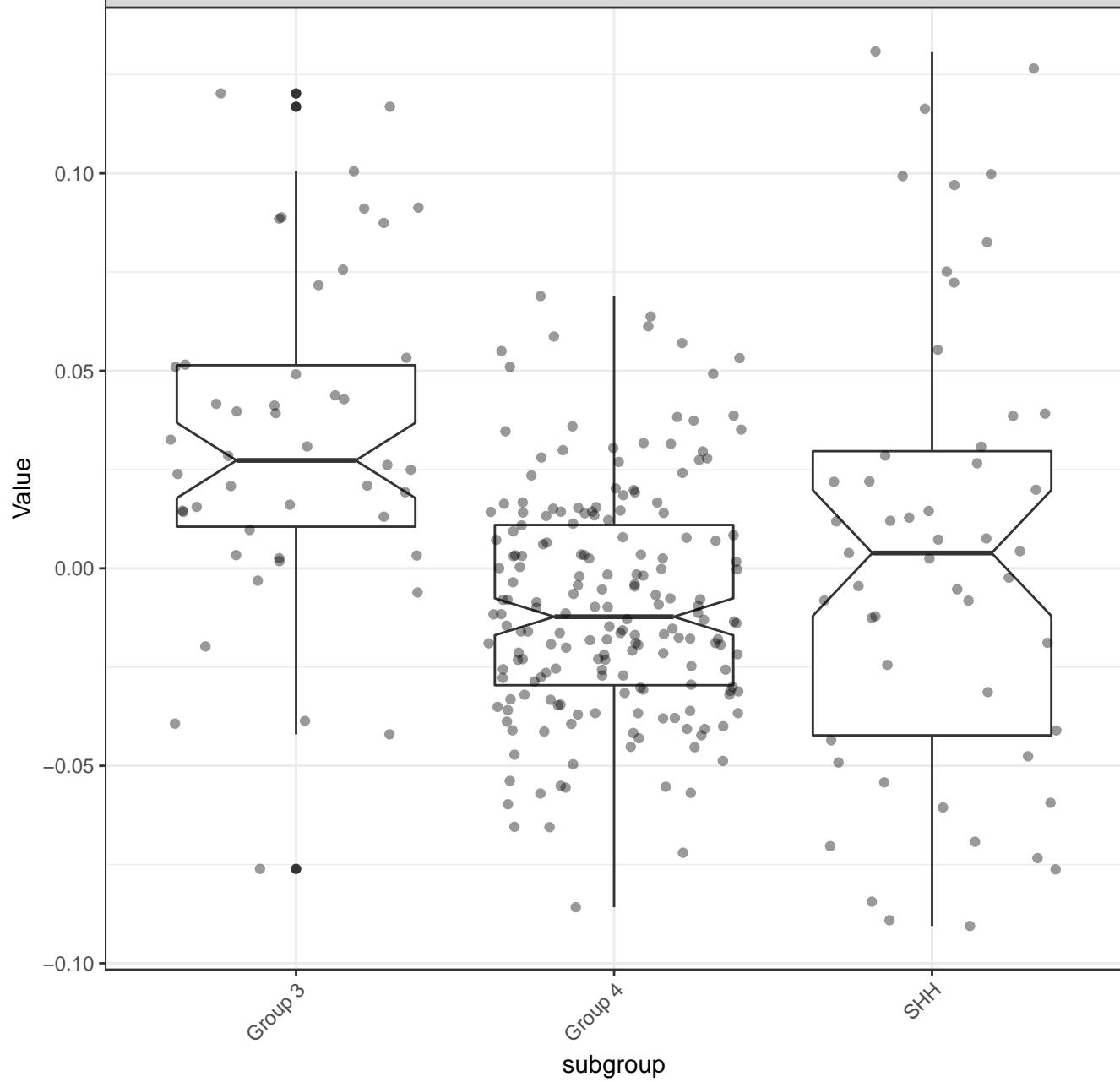


LV 748

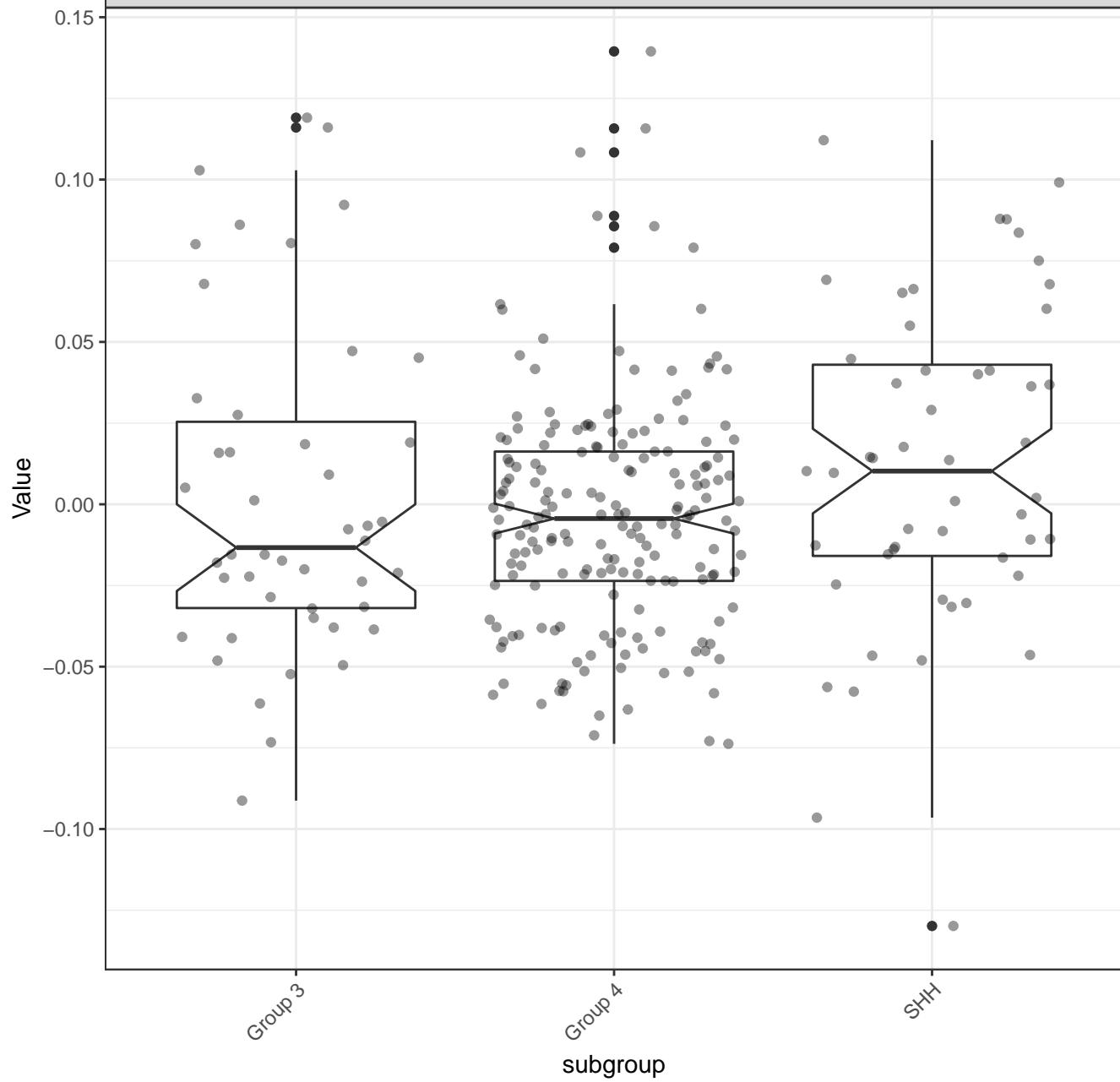
Value

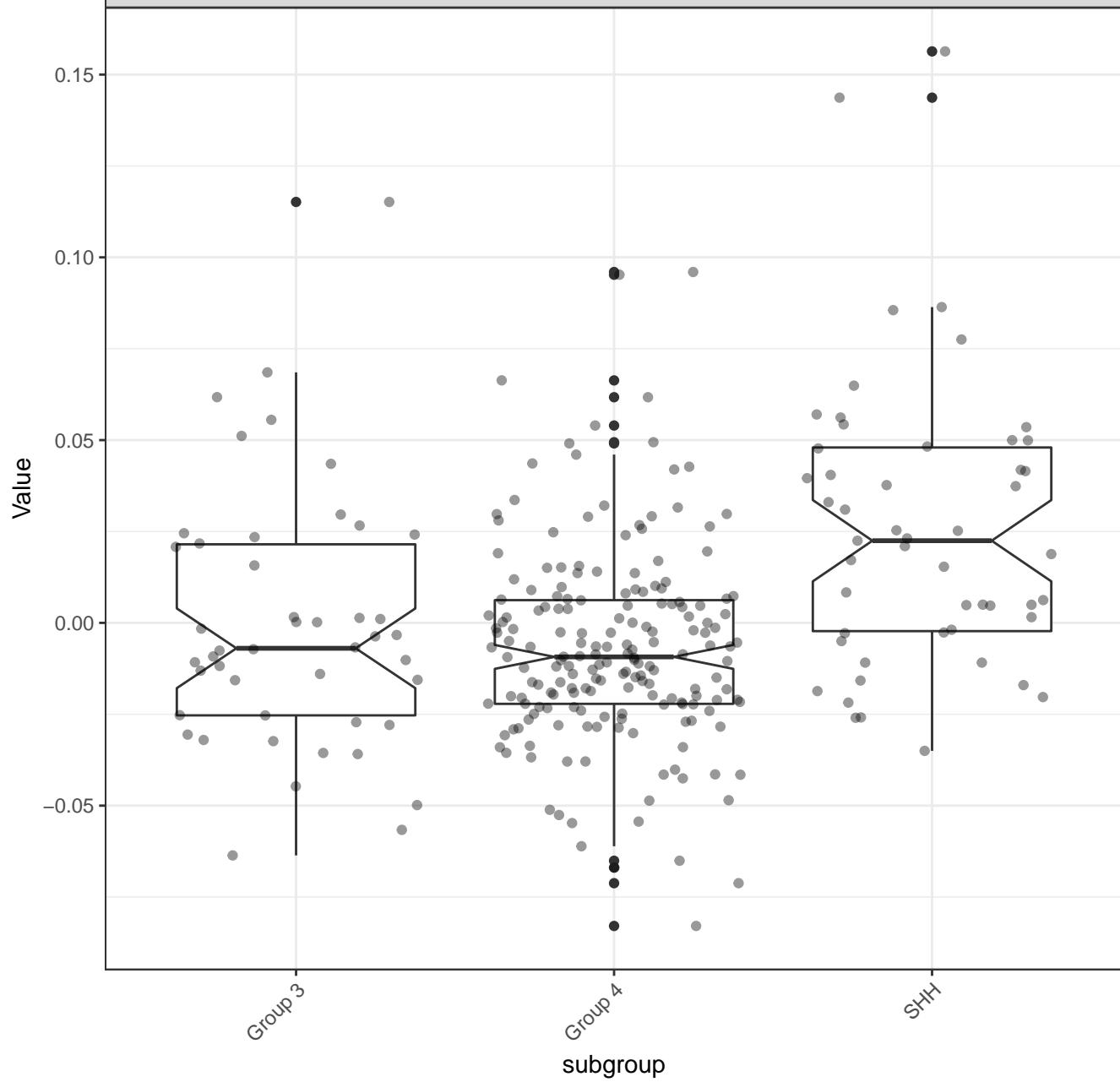


LV 749

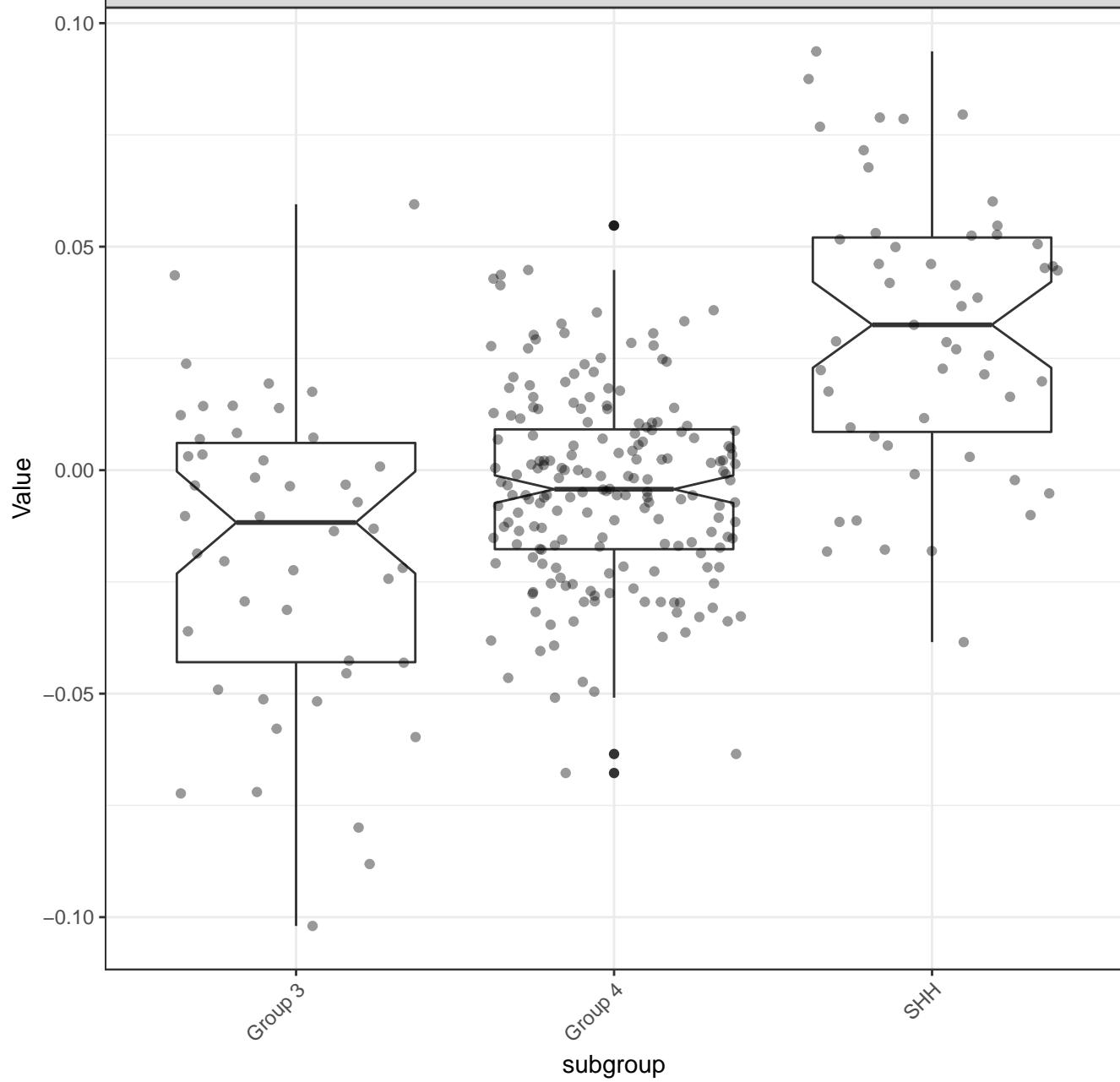


750,KEGG_RIBOSOME

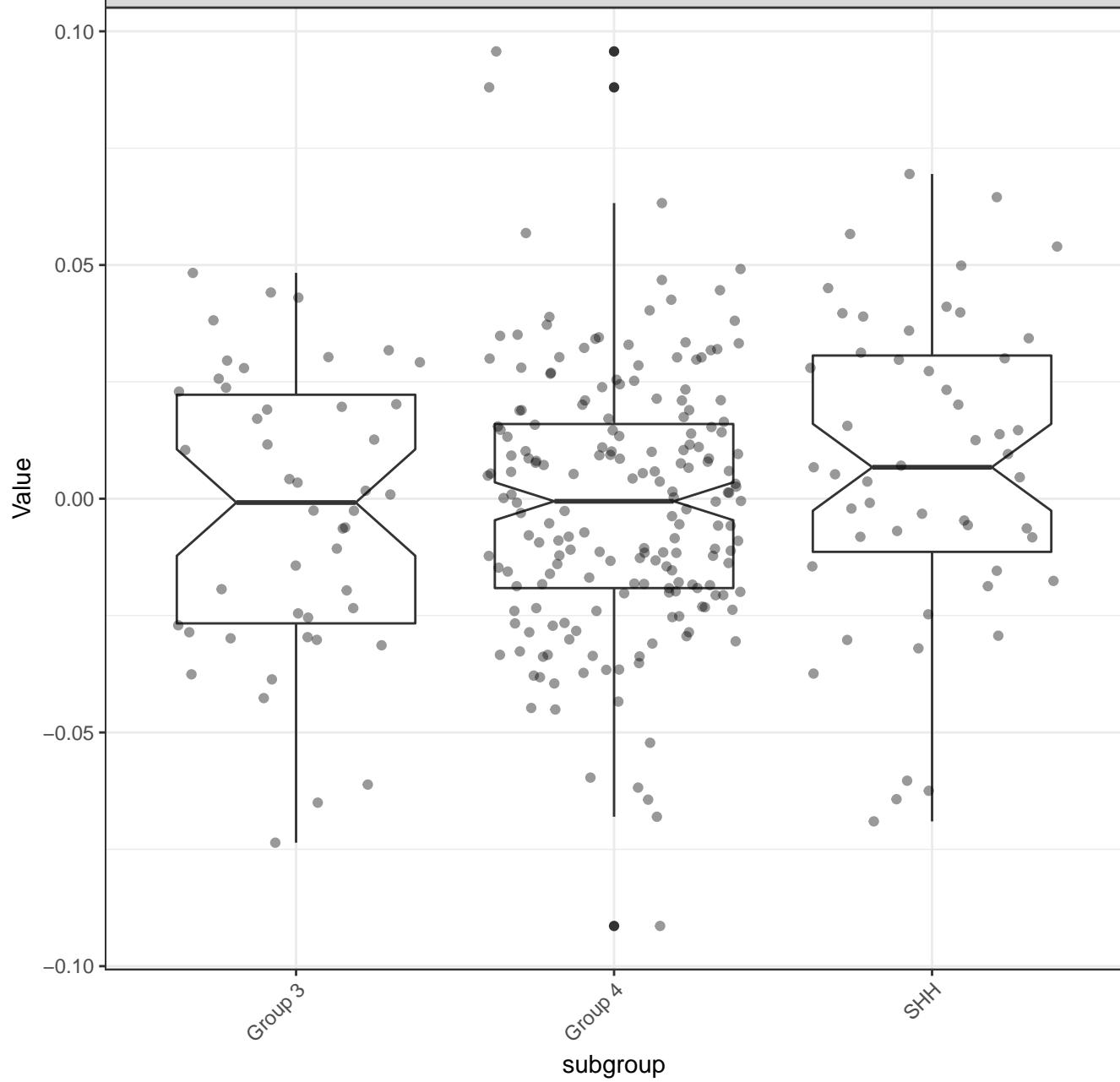




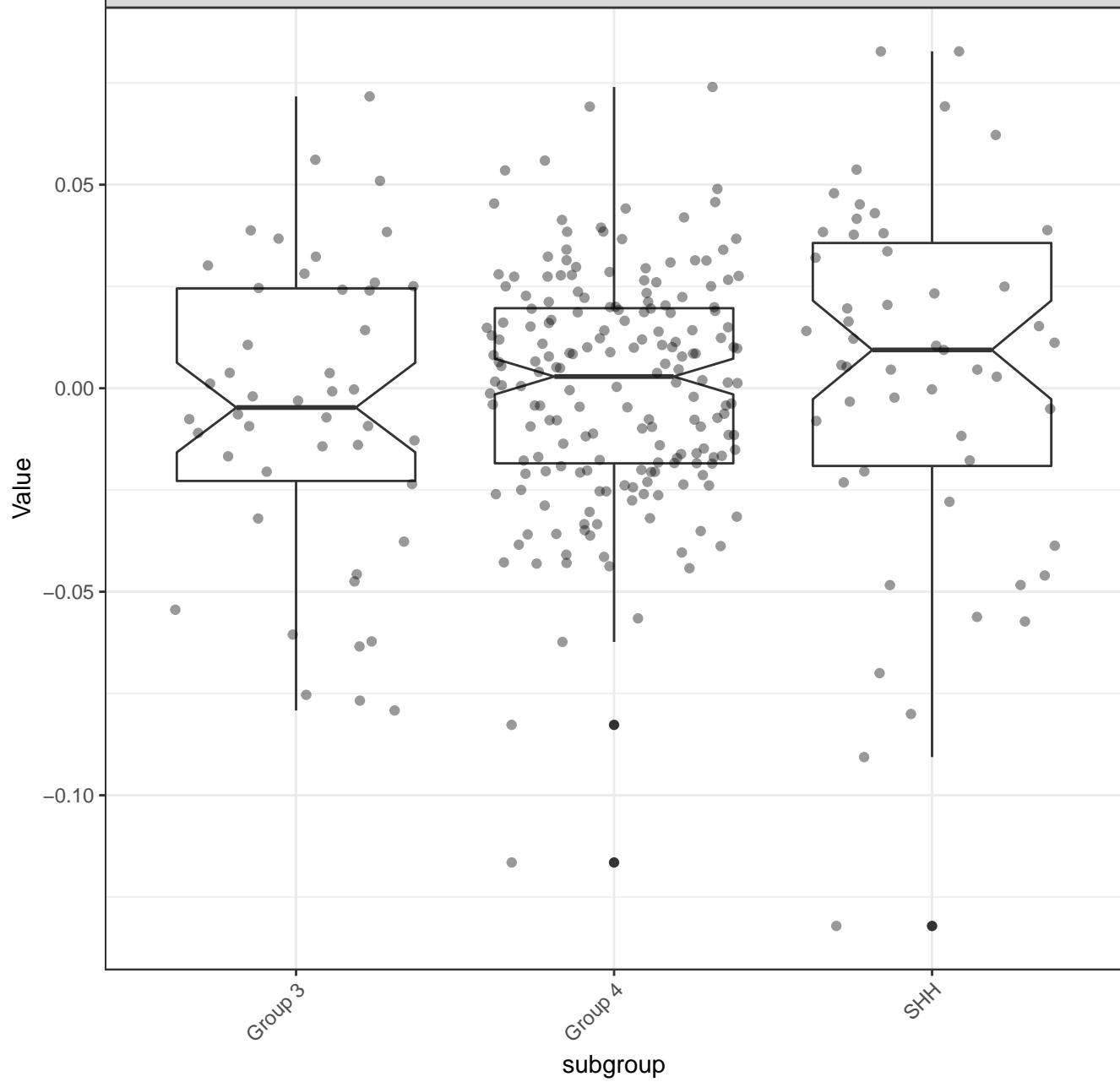
LV 752



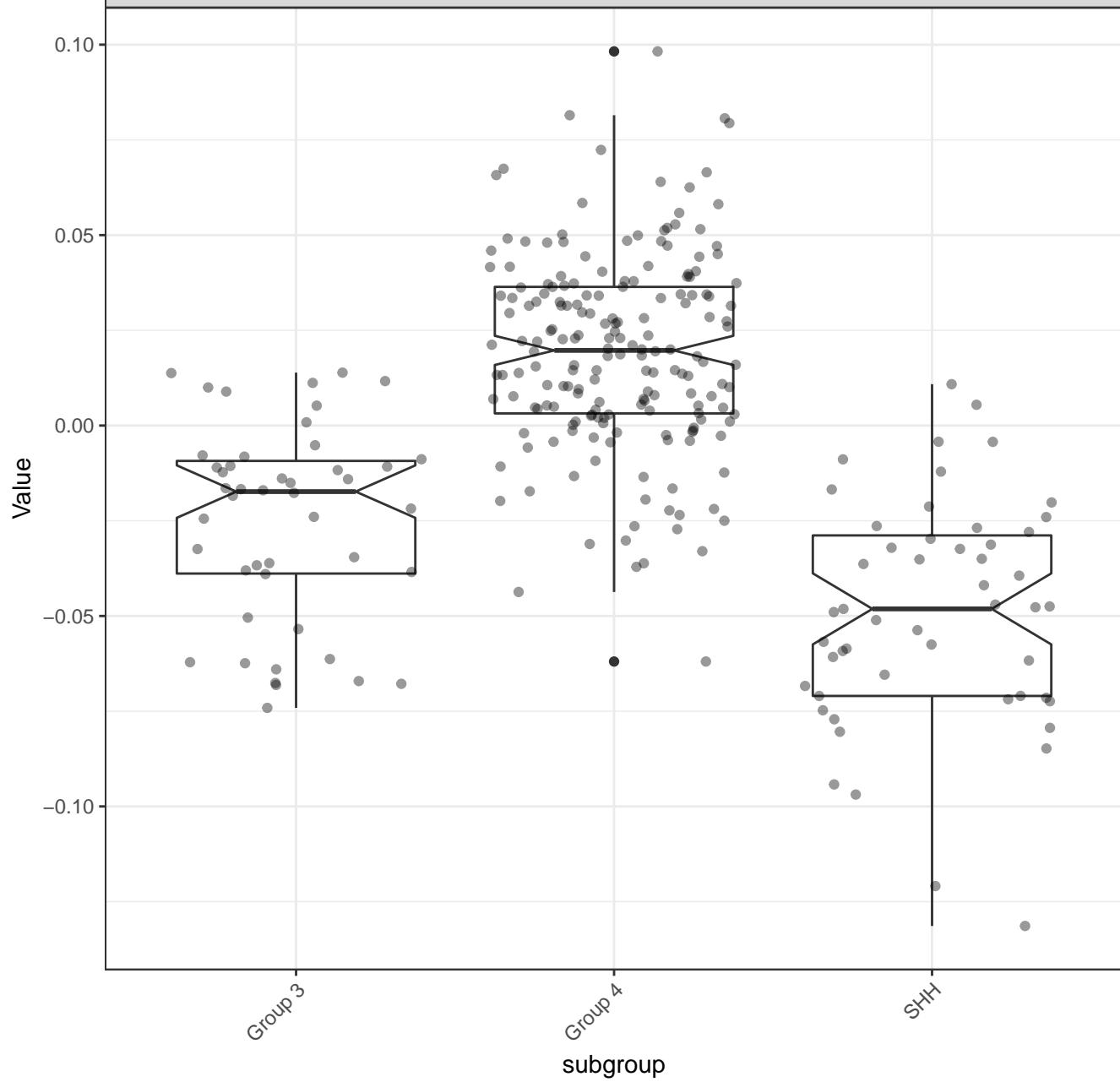
LV 753



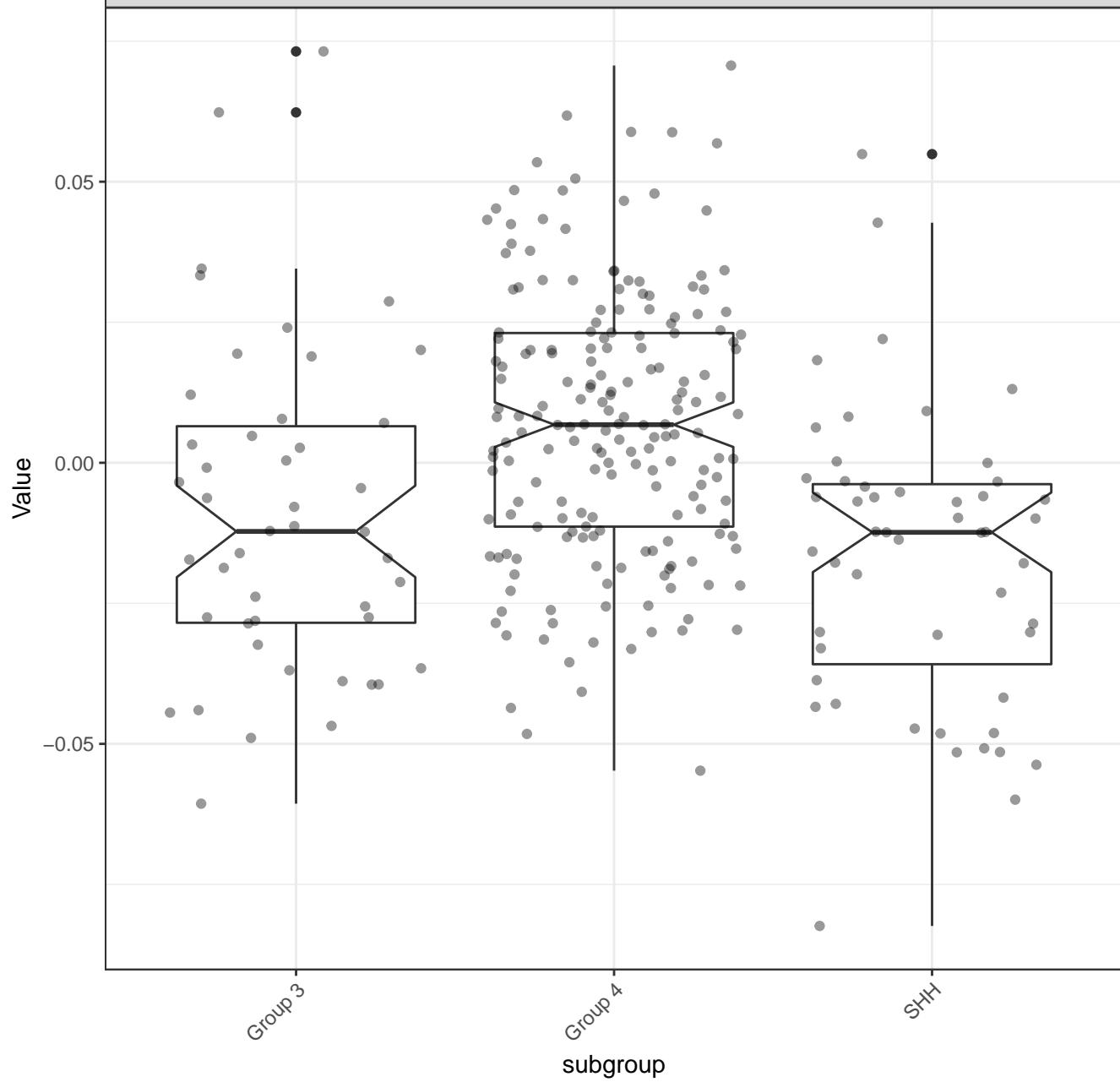
LV 754



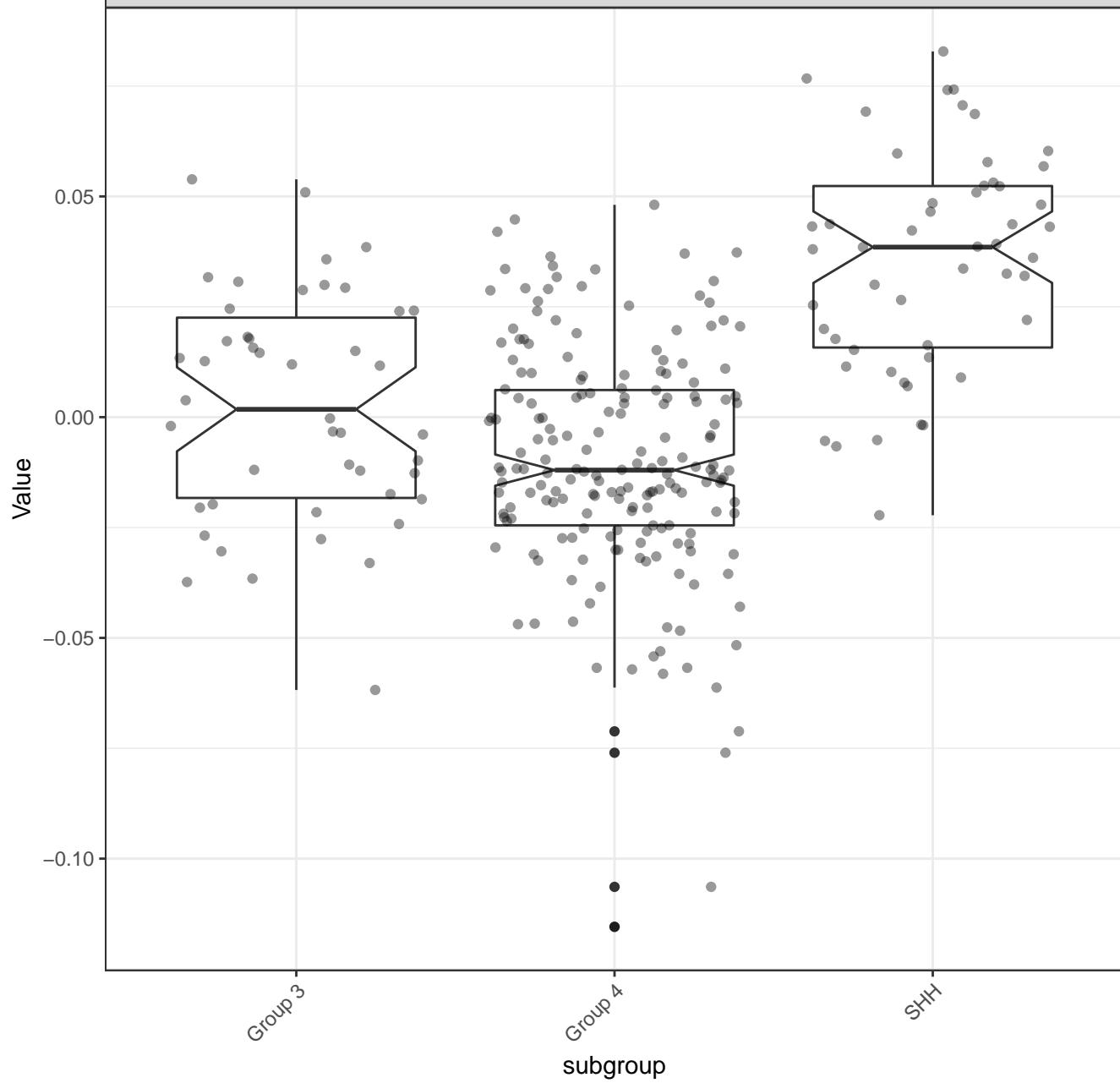
LV 755



LV 756



LV 757



LV 758

Value

0.10

0.05

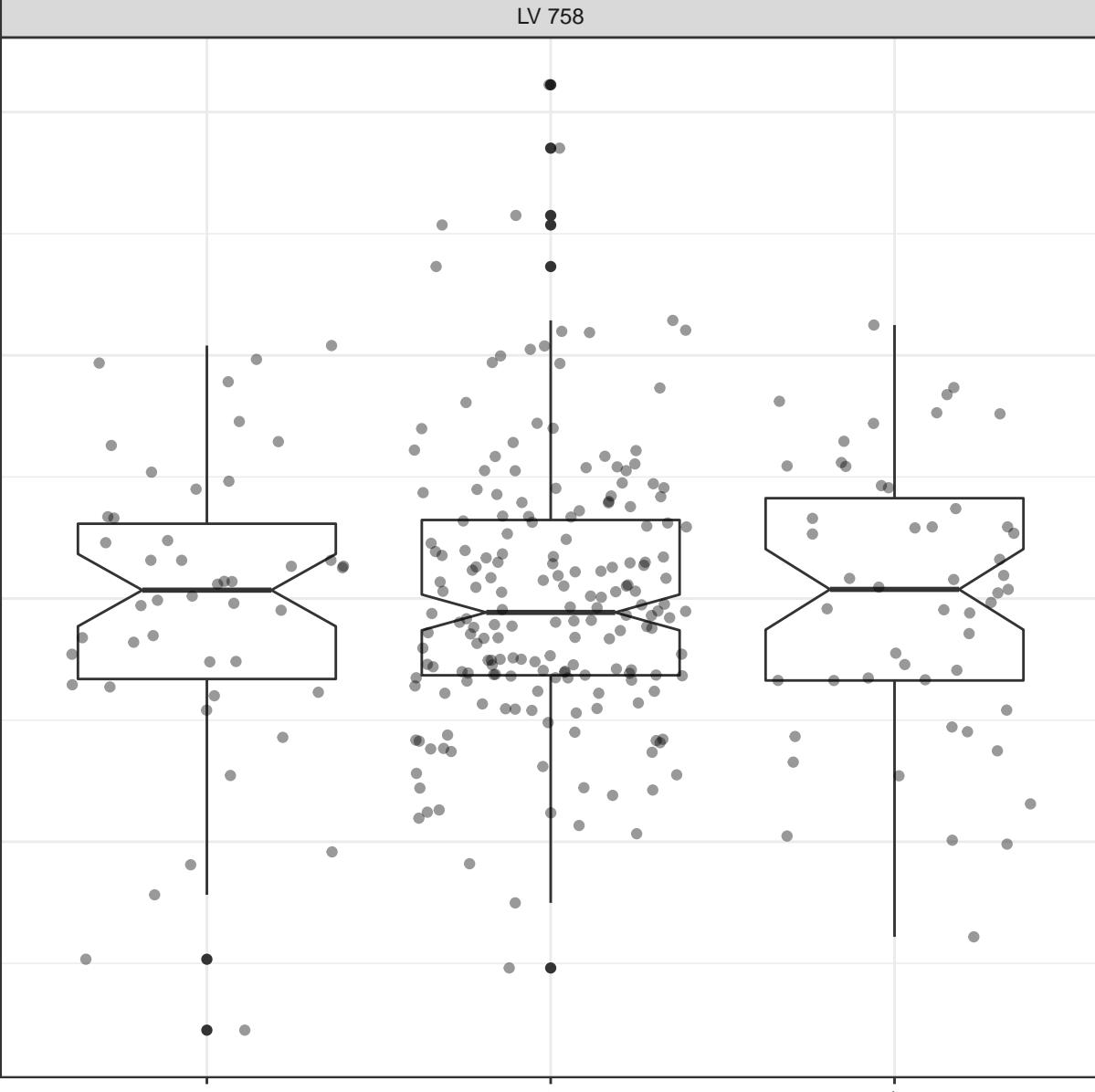
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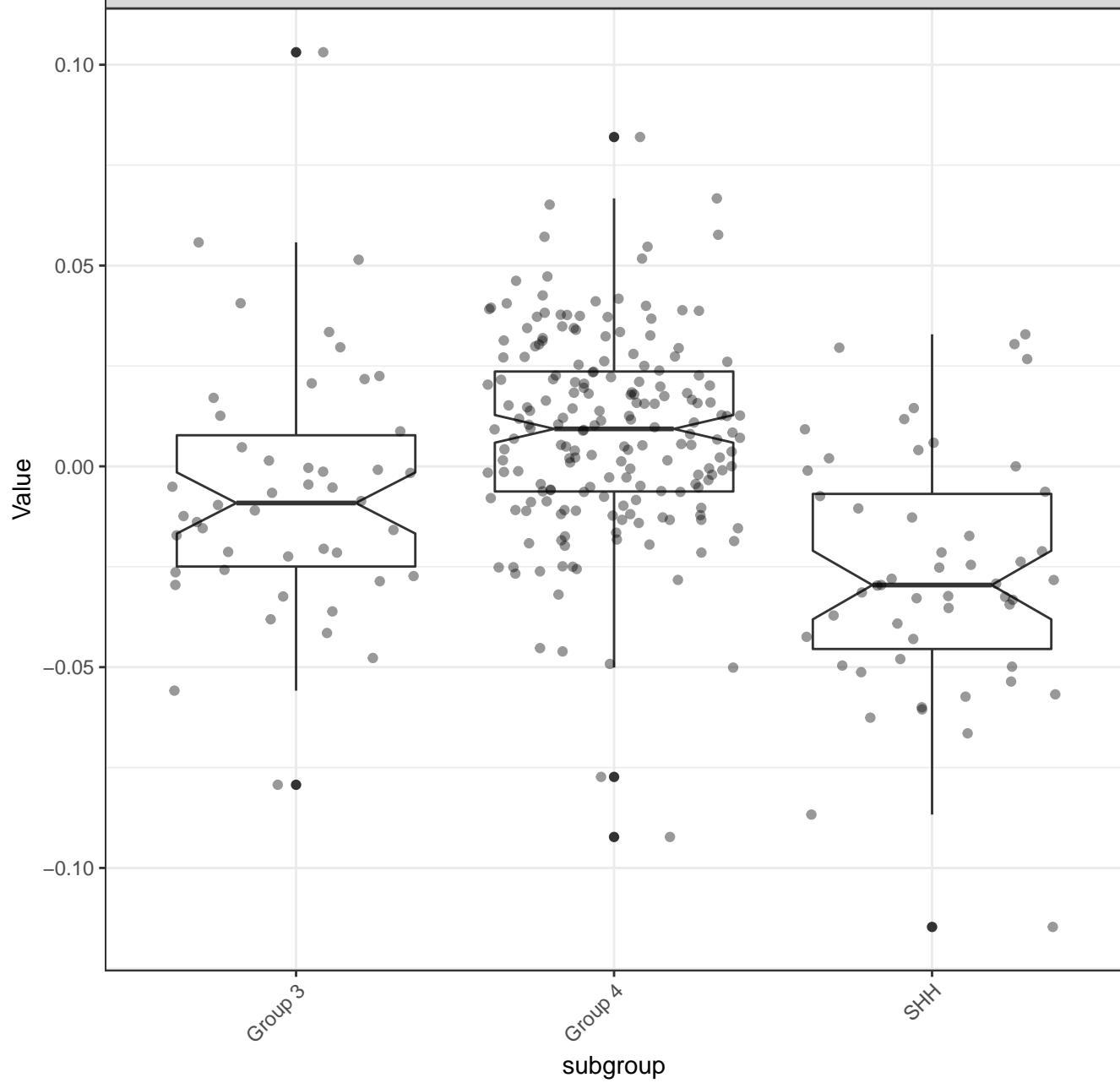
-0.05

Group 3

subgroup

SHH





LV 760

Value

0.05

0.00

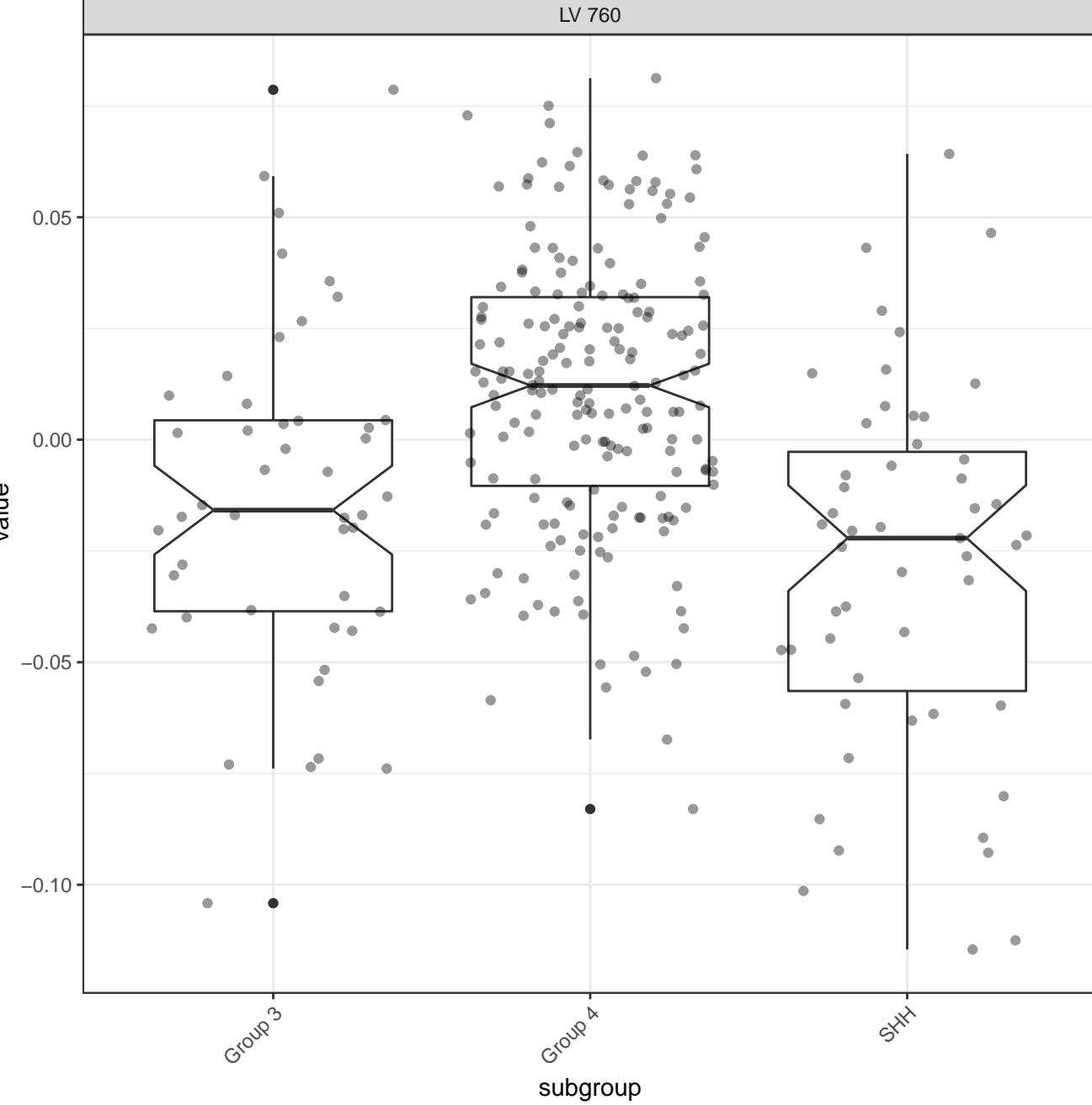
-0.05

-0.10

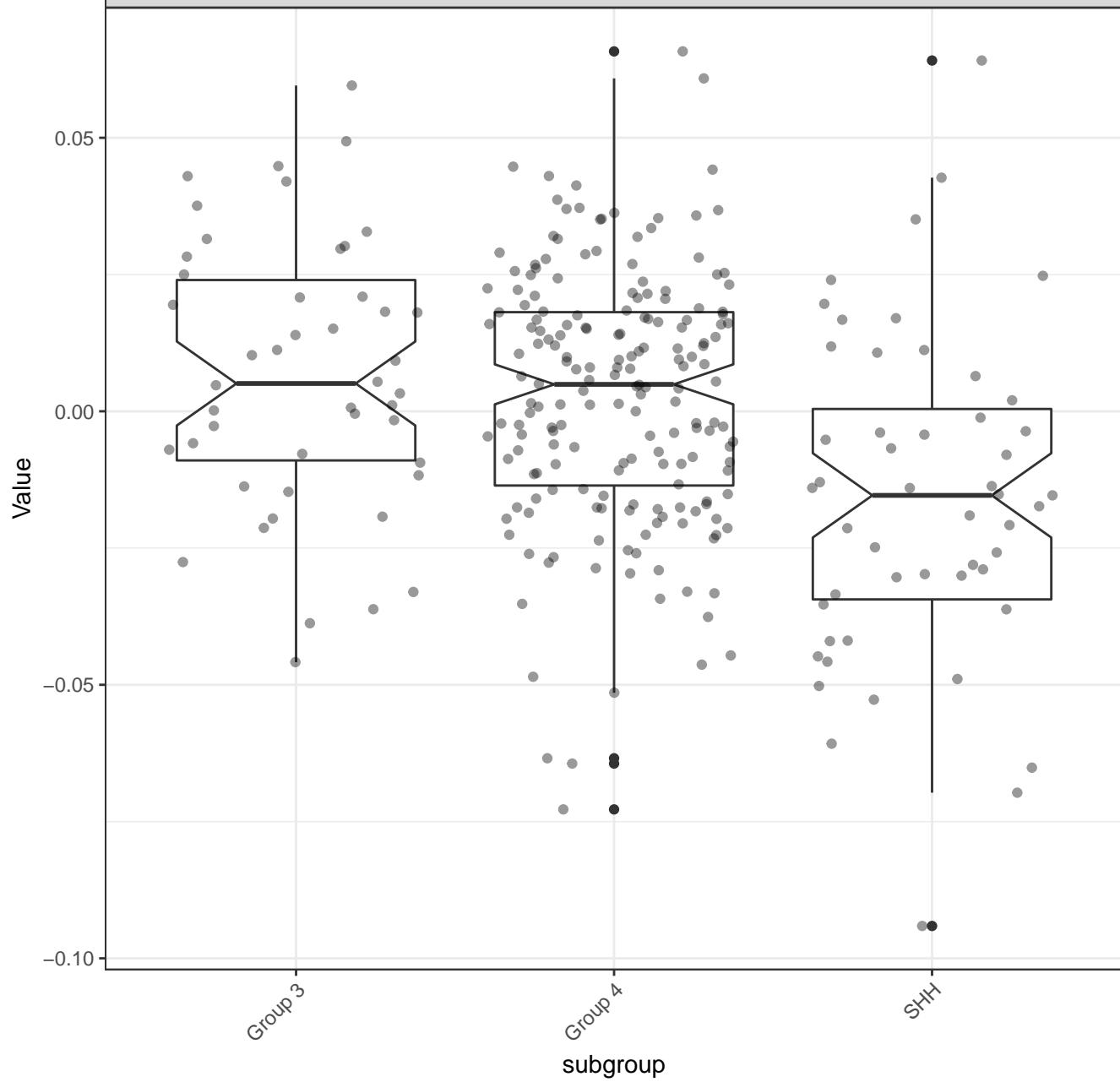
Group 3

subgroup

SHH



LV 761



LV 762

Value

0.10

0.05

0.00

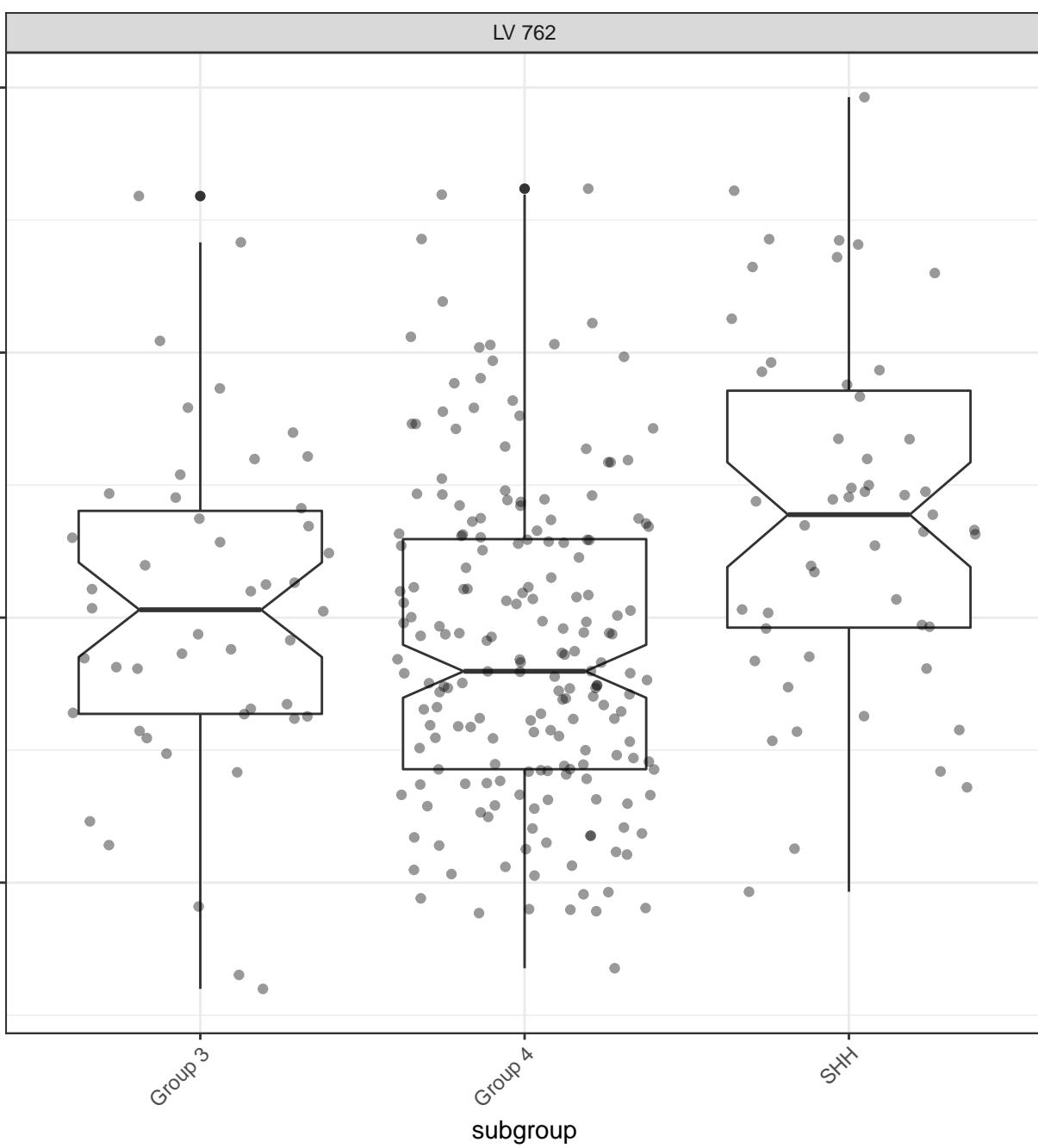
-0.05

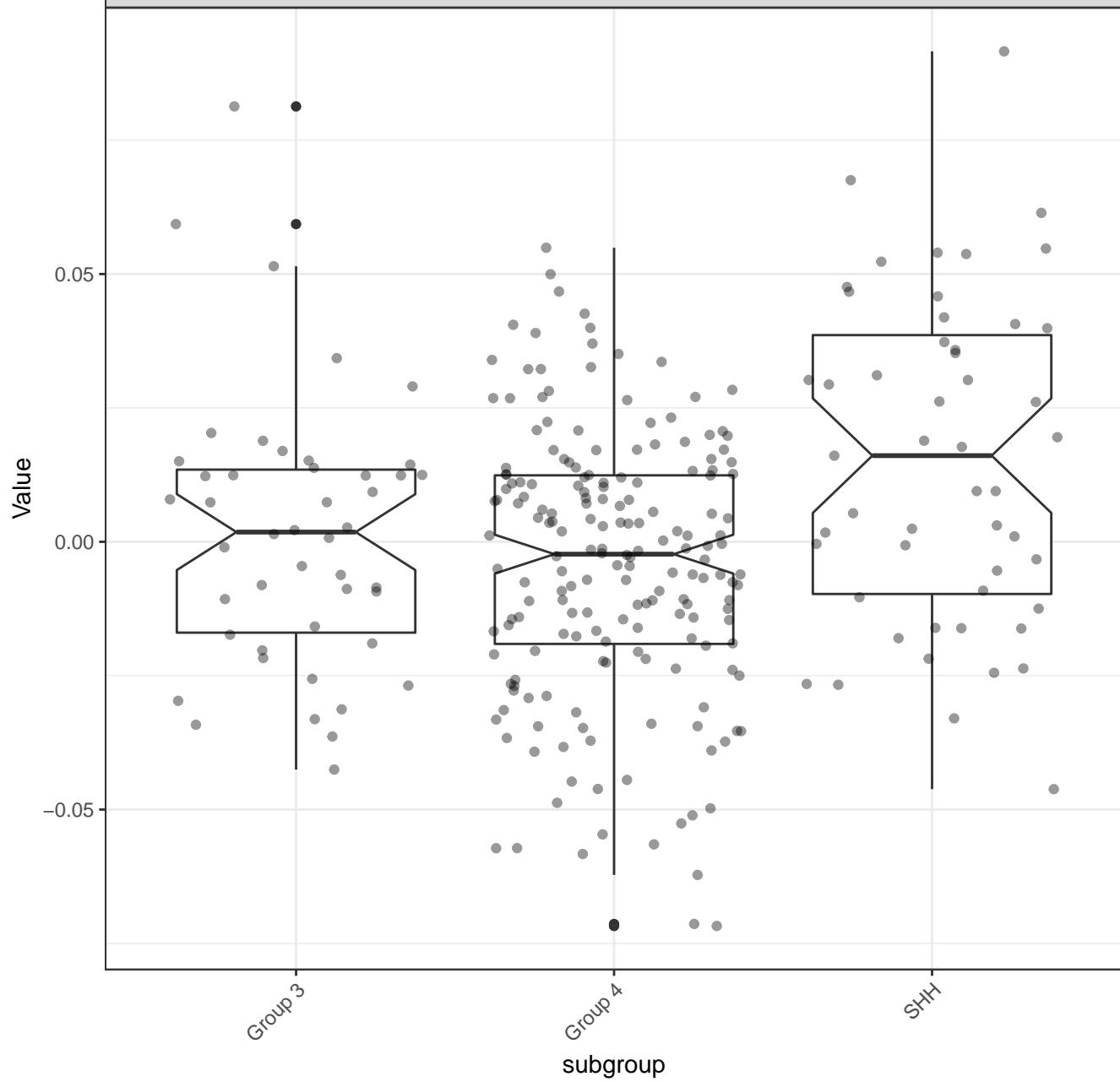
Group 3

Group 4

SHH

subgroup





LV 764

Value

0.05

0.01

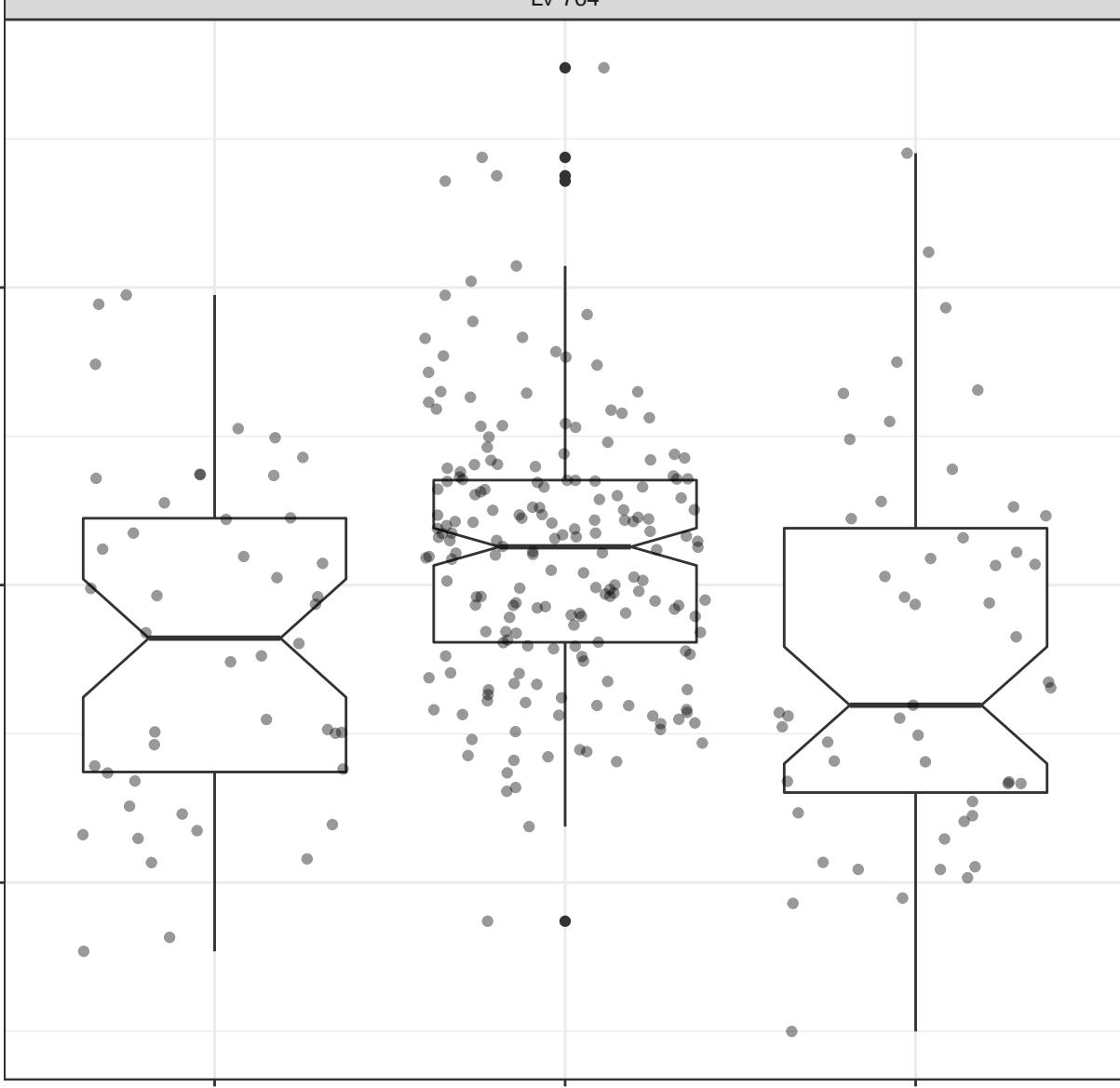
-0.05

Group 3

Group 4

SHH

subgroup



765,SVM NK cells resting

Value

0.10

0.05

0.00

-0.05

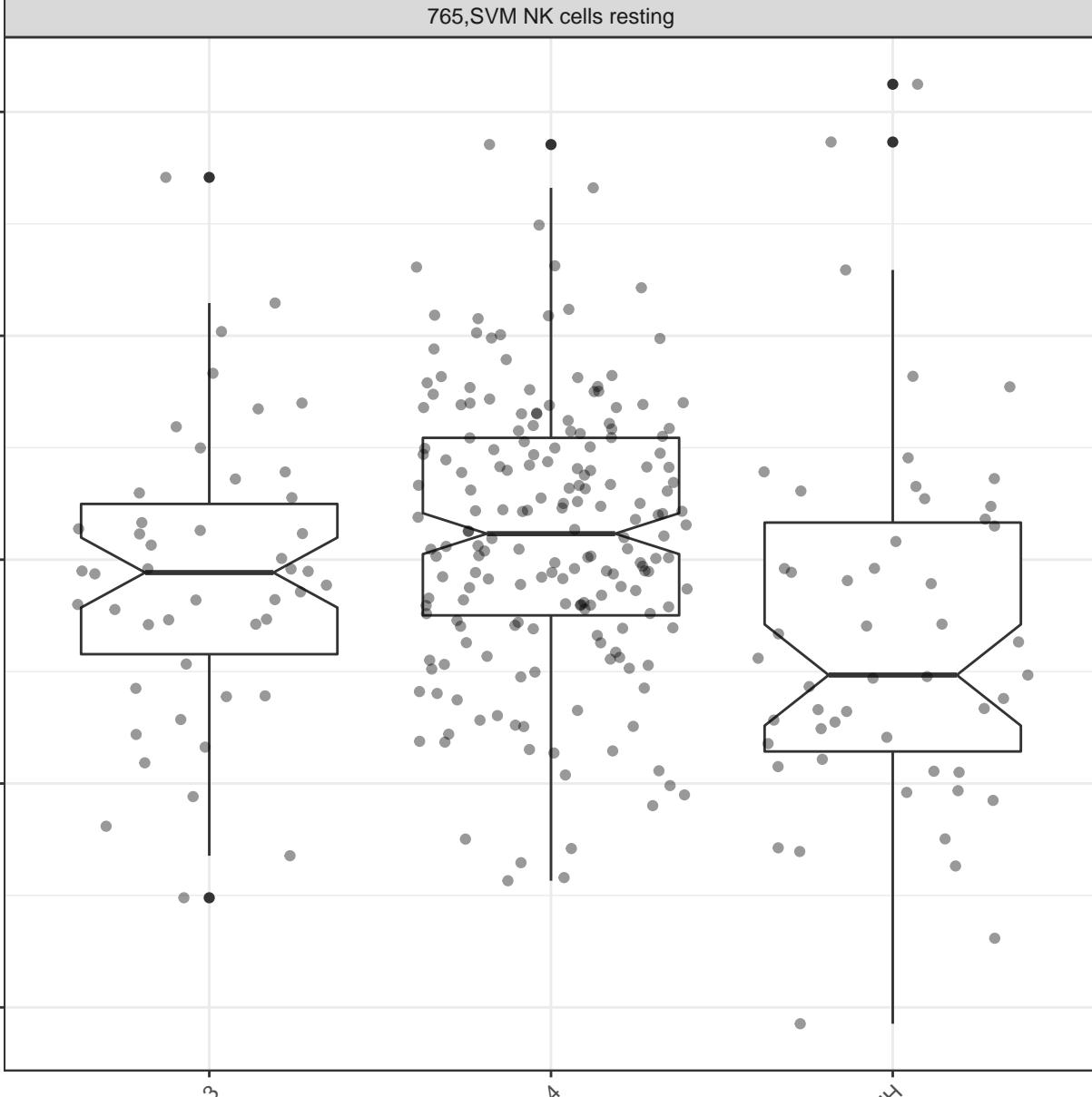
-0.10

Group 3

Group 4

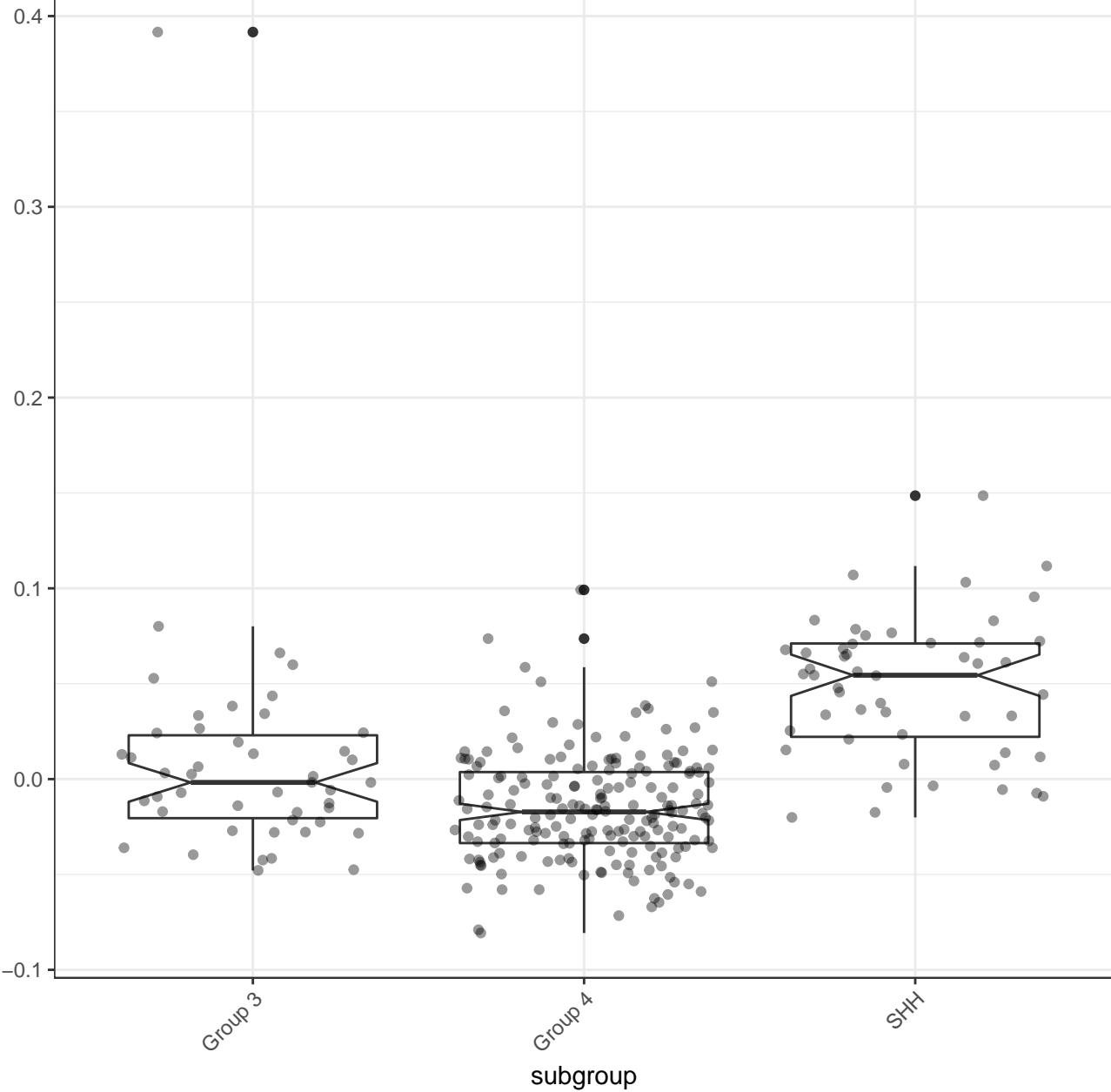
SHH

subgroup



766,KEGG_DILATED_CARDIOMYOPATHY

Value



767,SVM B cells naive

Value

0.10

0.05

0.00

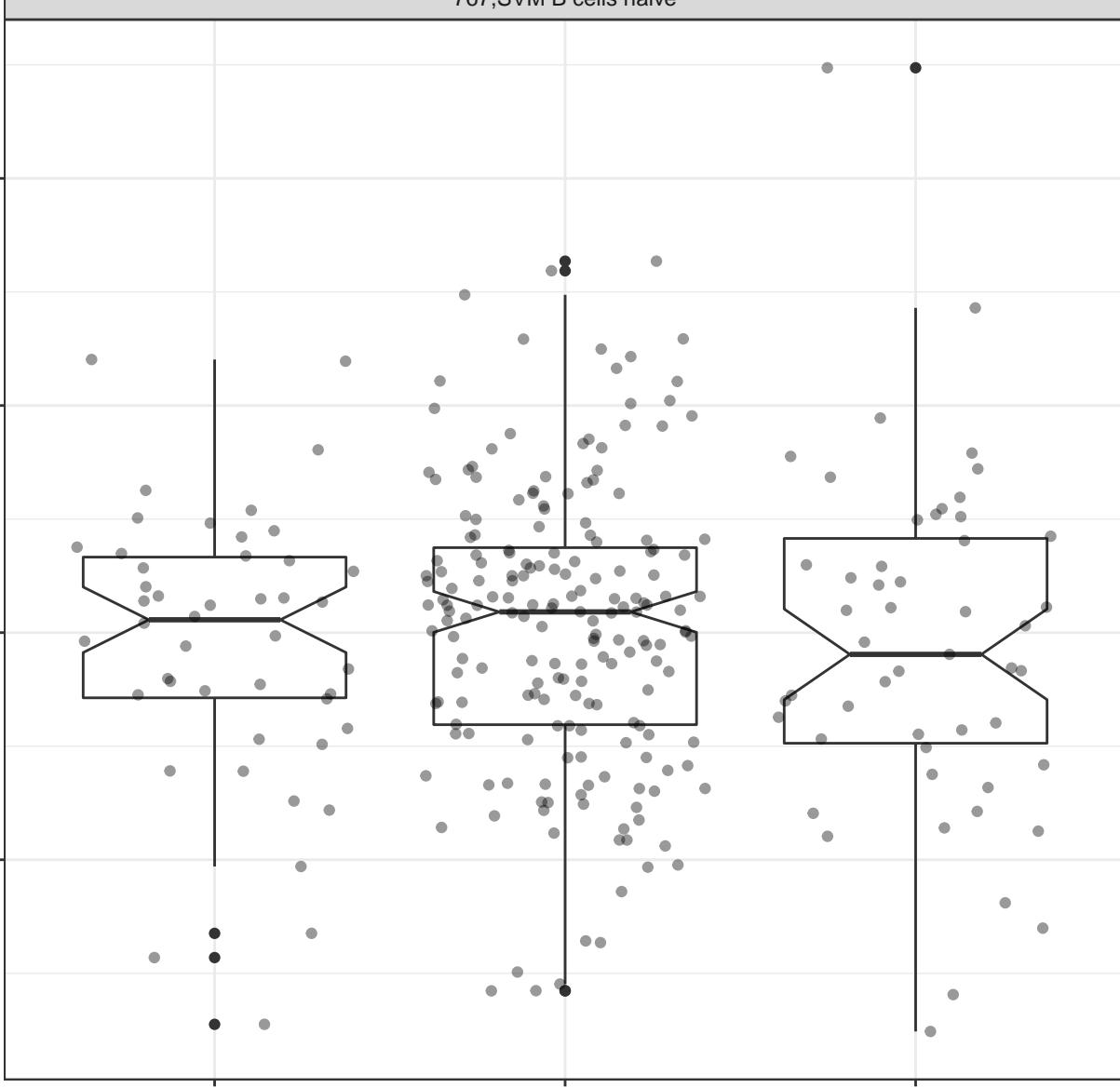
-0.05

Group 3

Group 4

SHH

subgroup



Value

0.05

0.00

-0.05

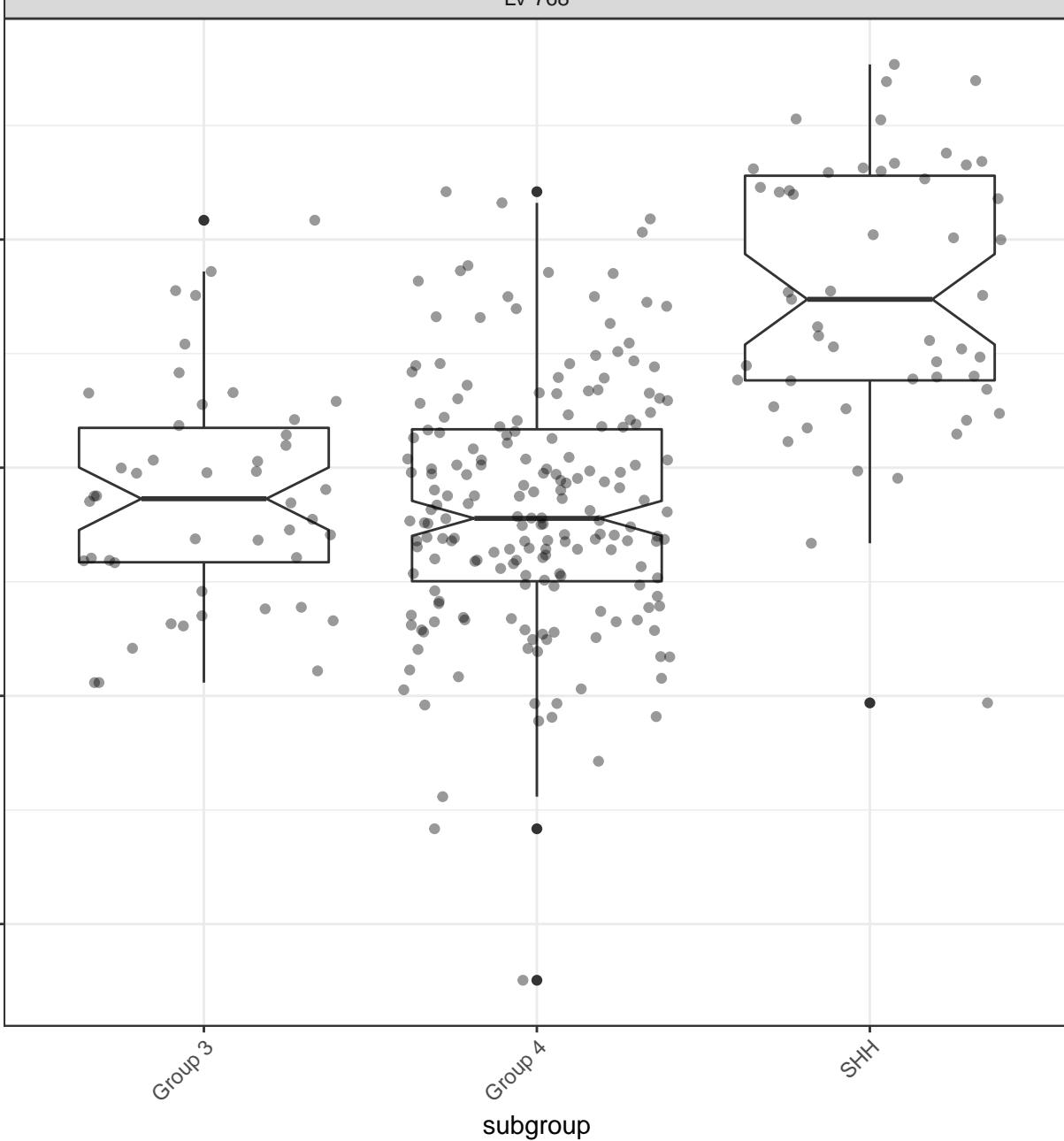
-0.10

Group 3

Group 4

SHH

subgroup



LV 769

Value

0.10

0.05

0.00

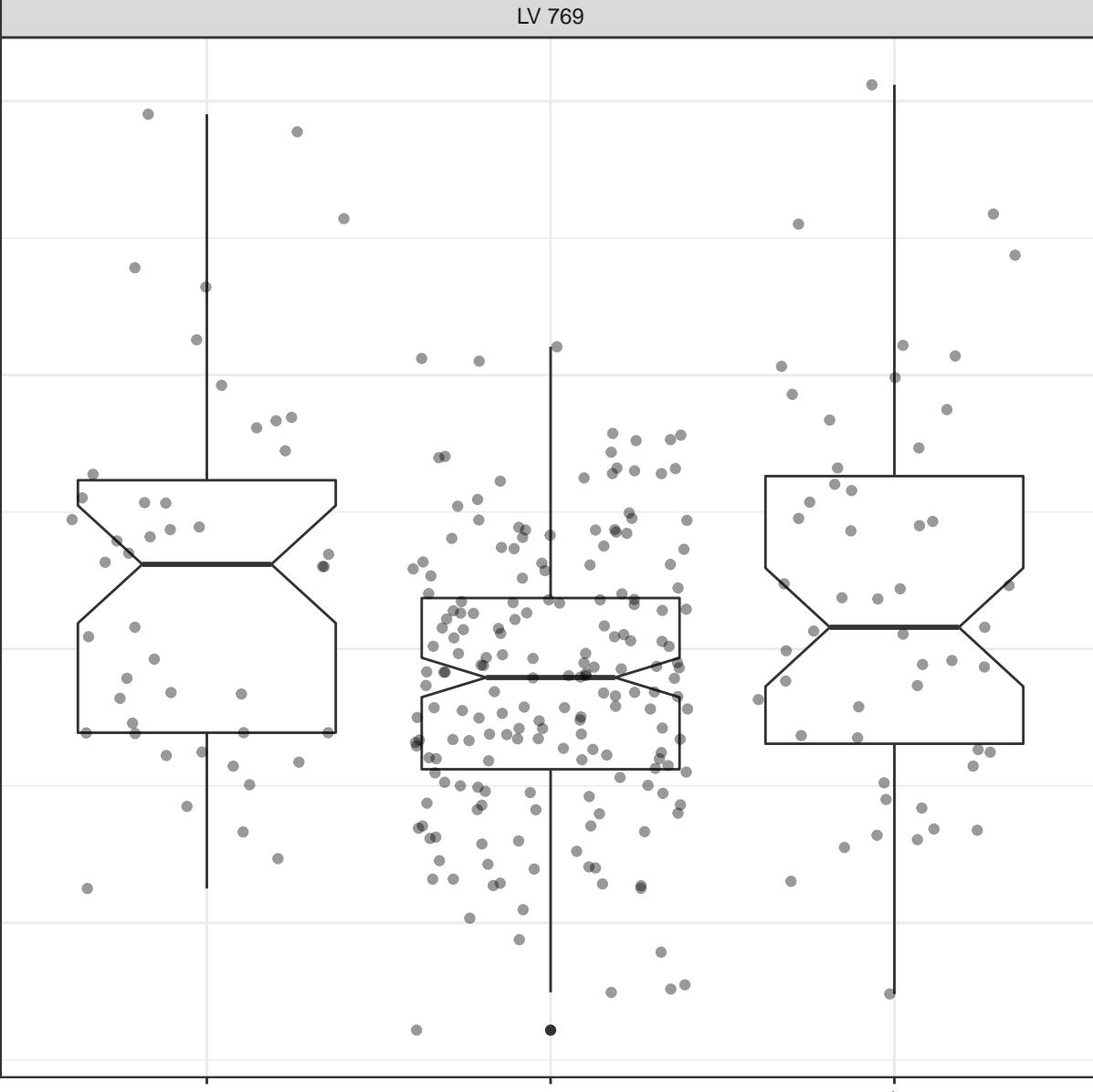
-0.05

Group 3

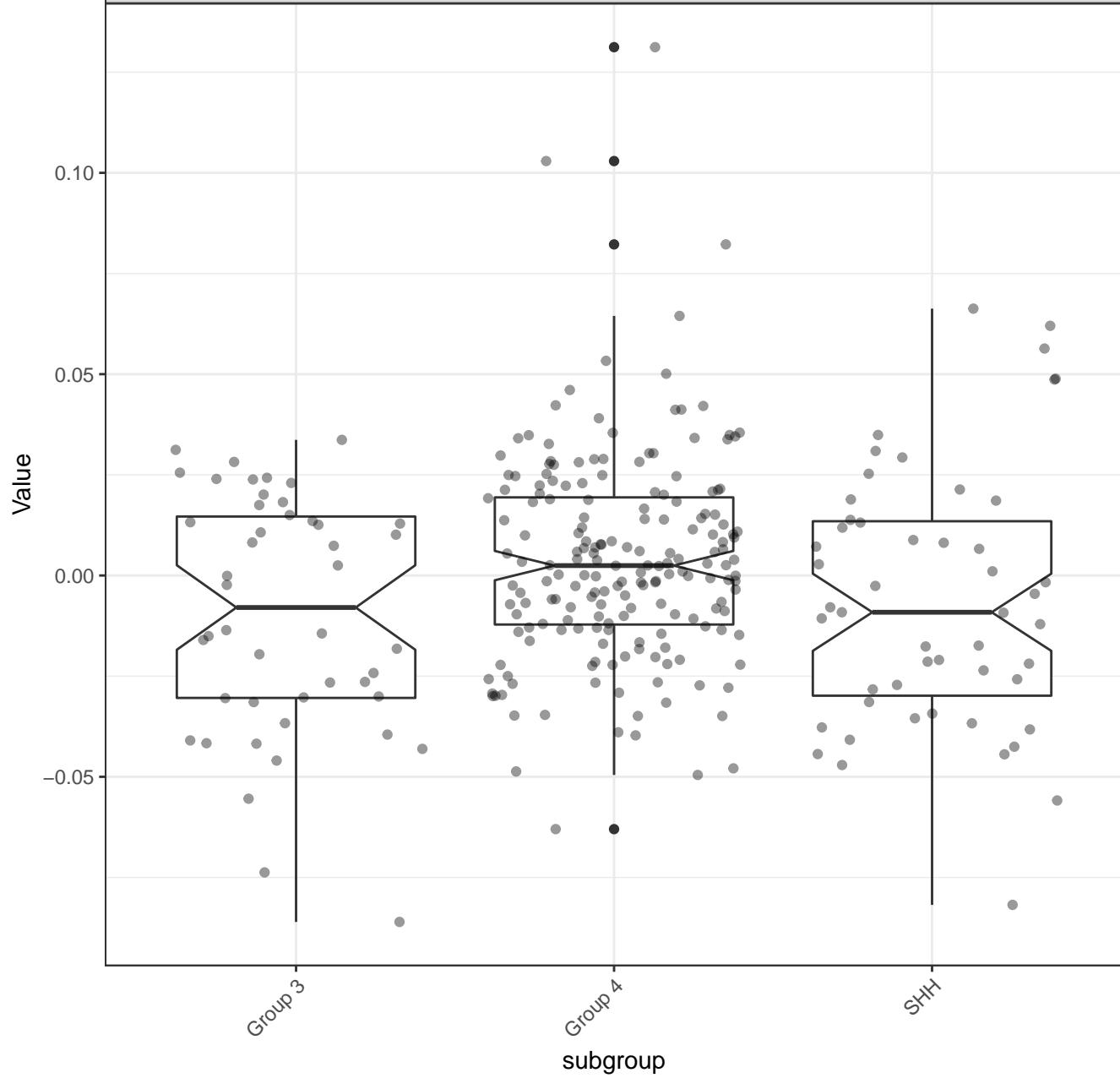
subgroup

Group 4

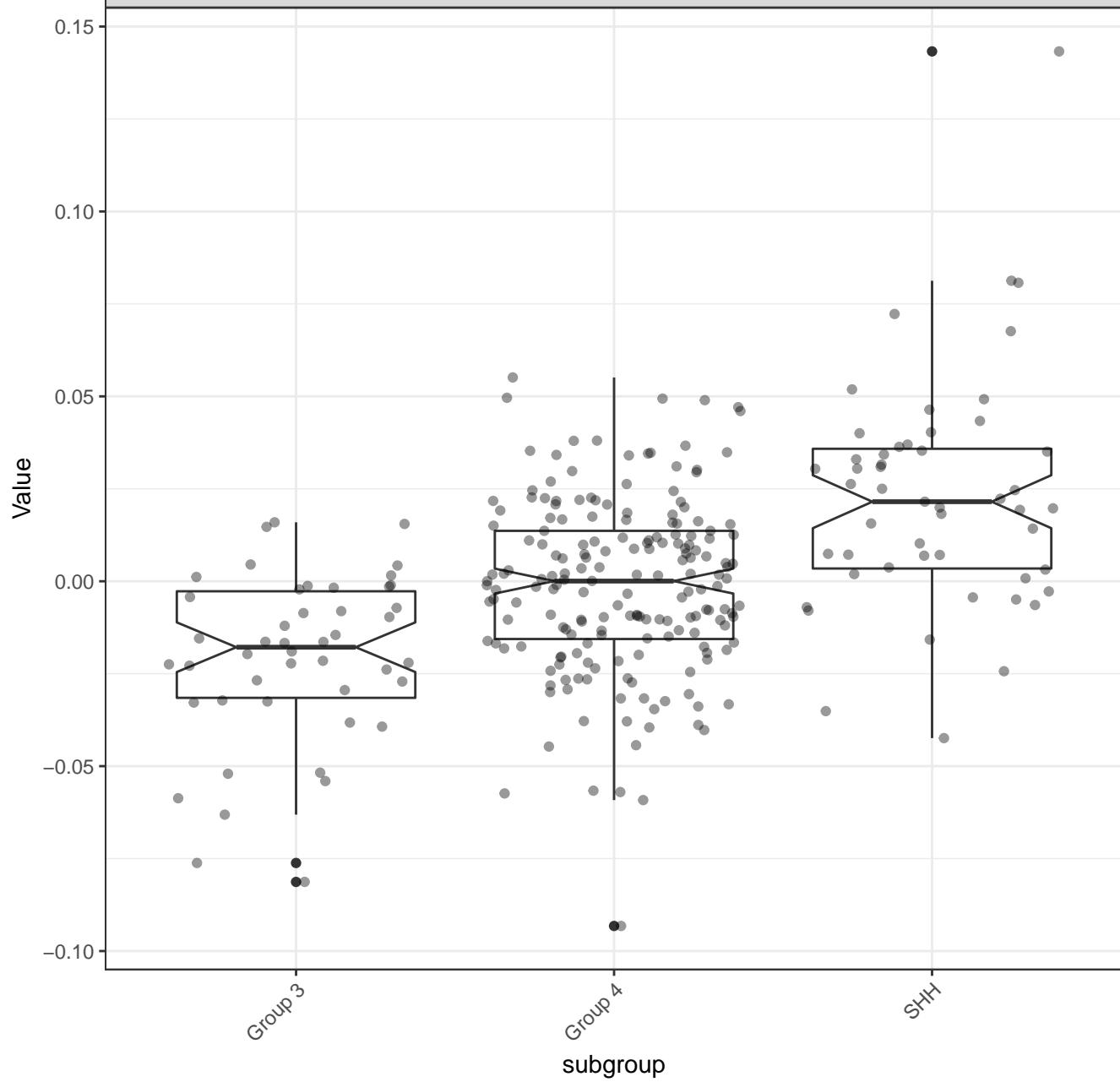
SHH



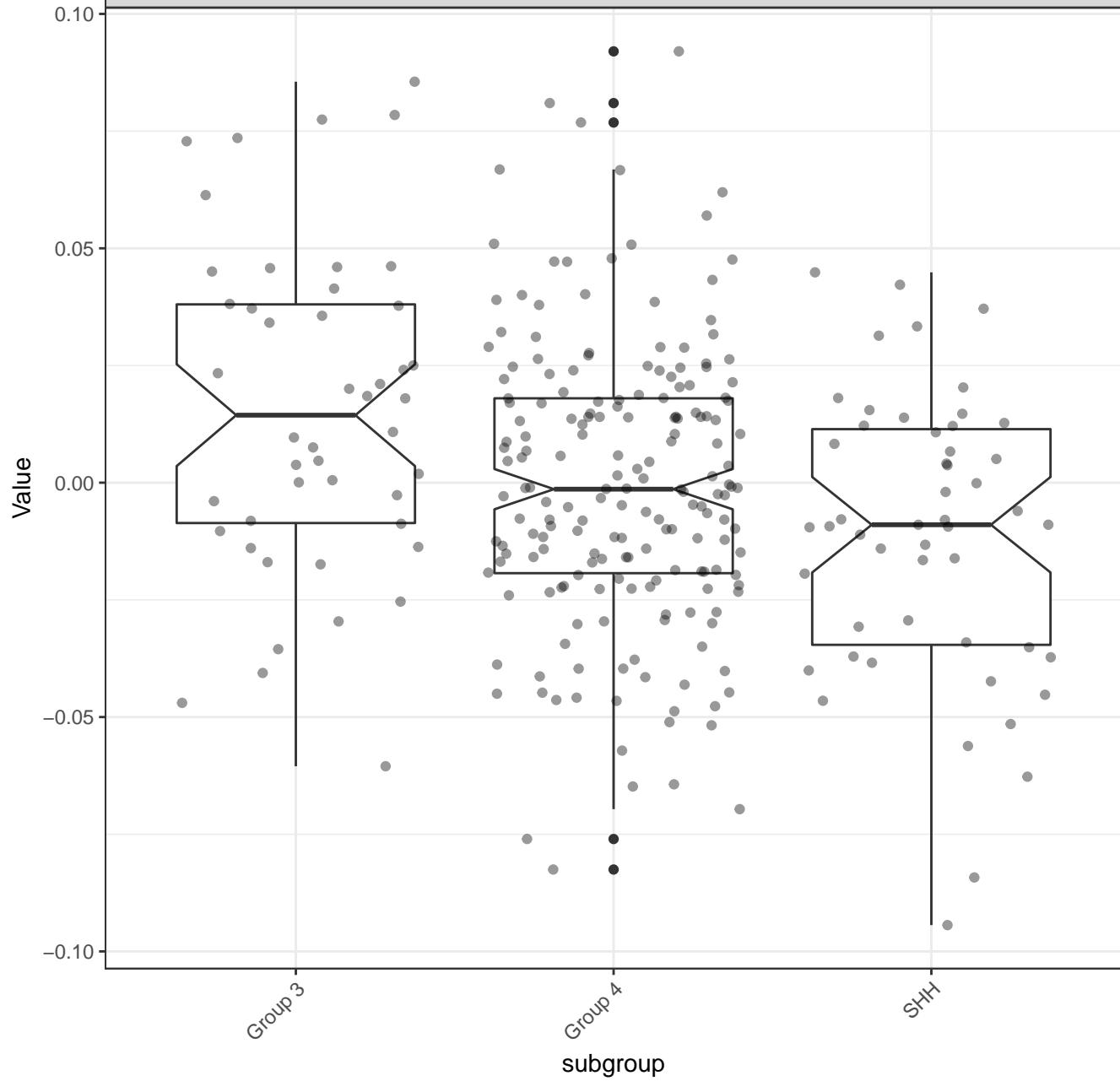
LV 770



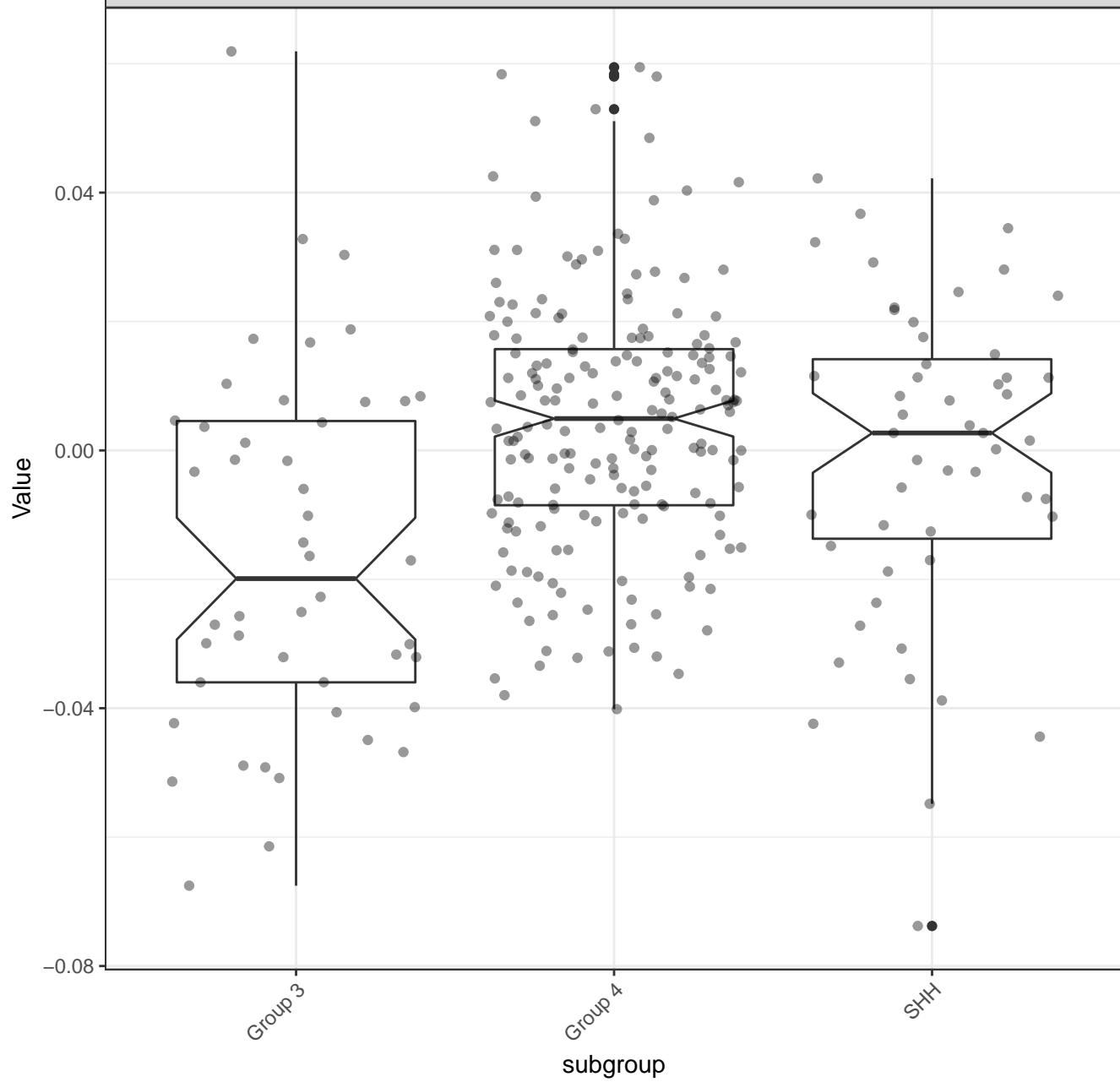
LV 771



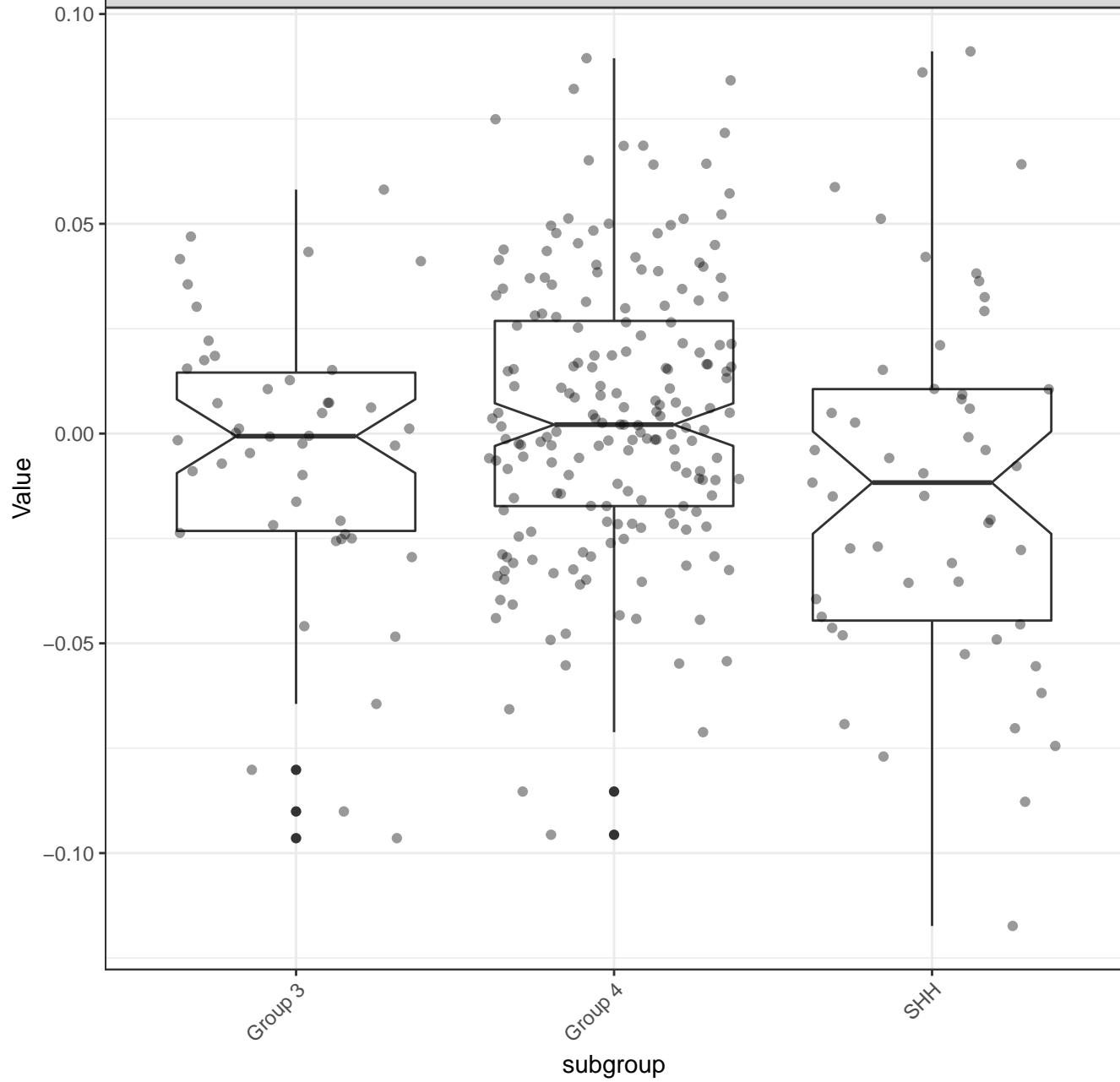
LV 772



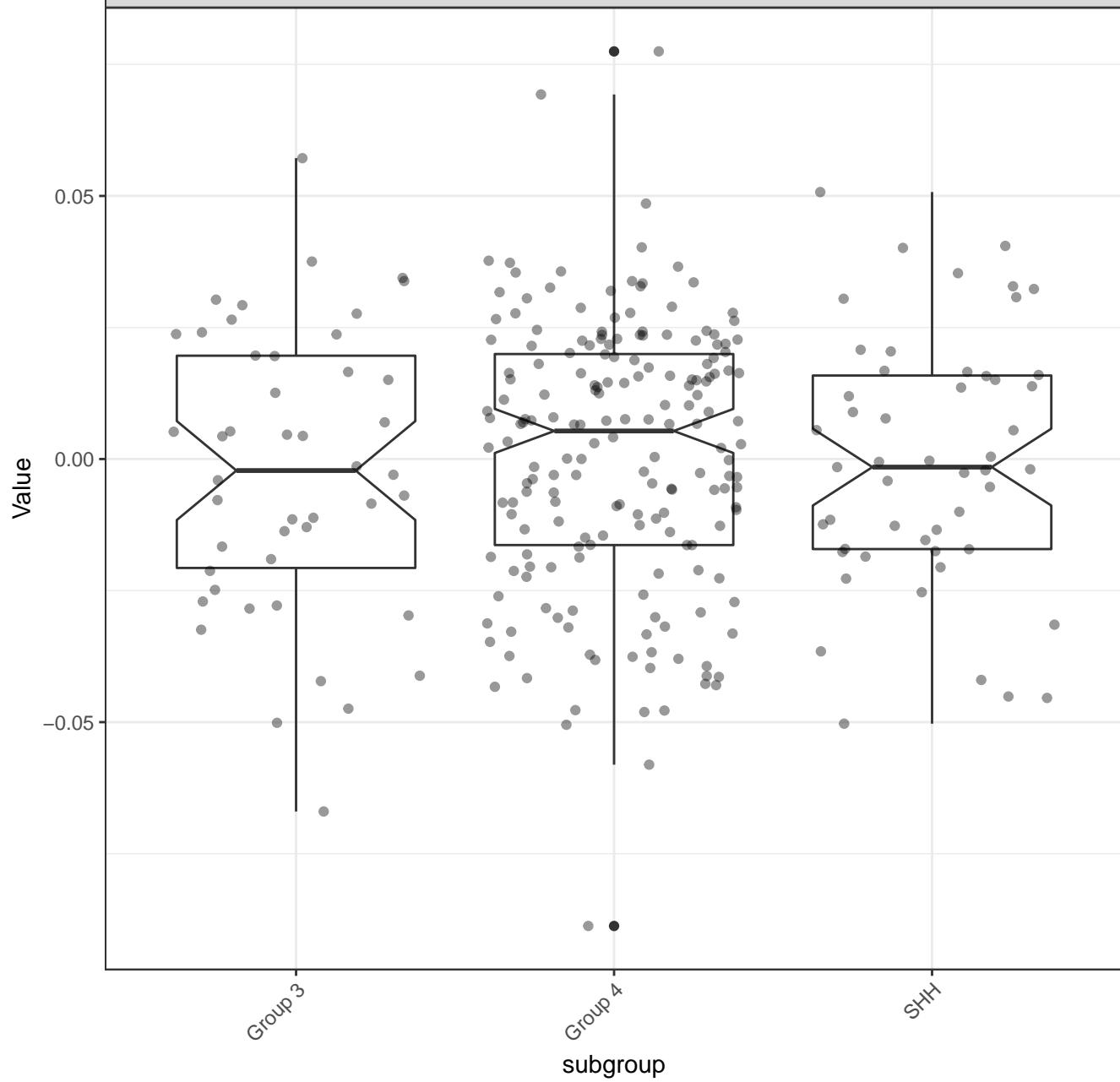
LV 773



LV 774



LV 775



LV 776

Vvalue

0.10

0.05

0.00

-0.05

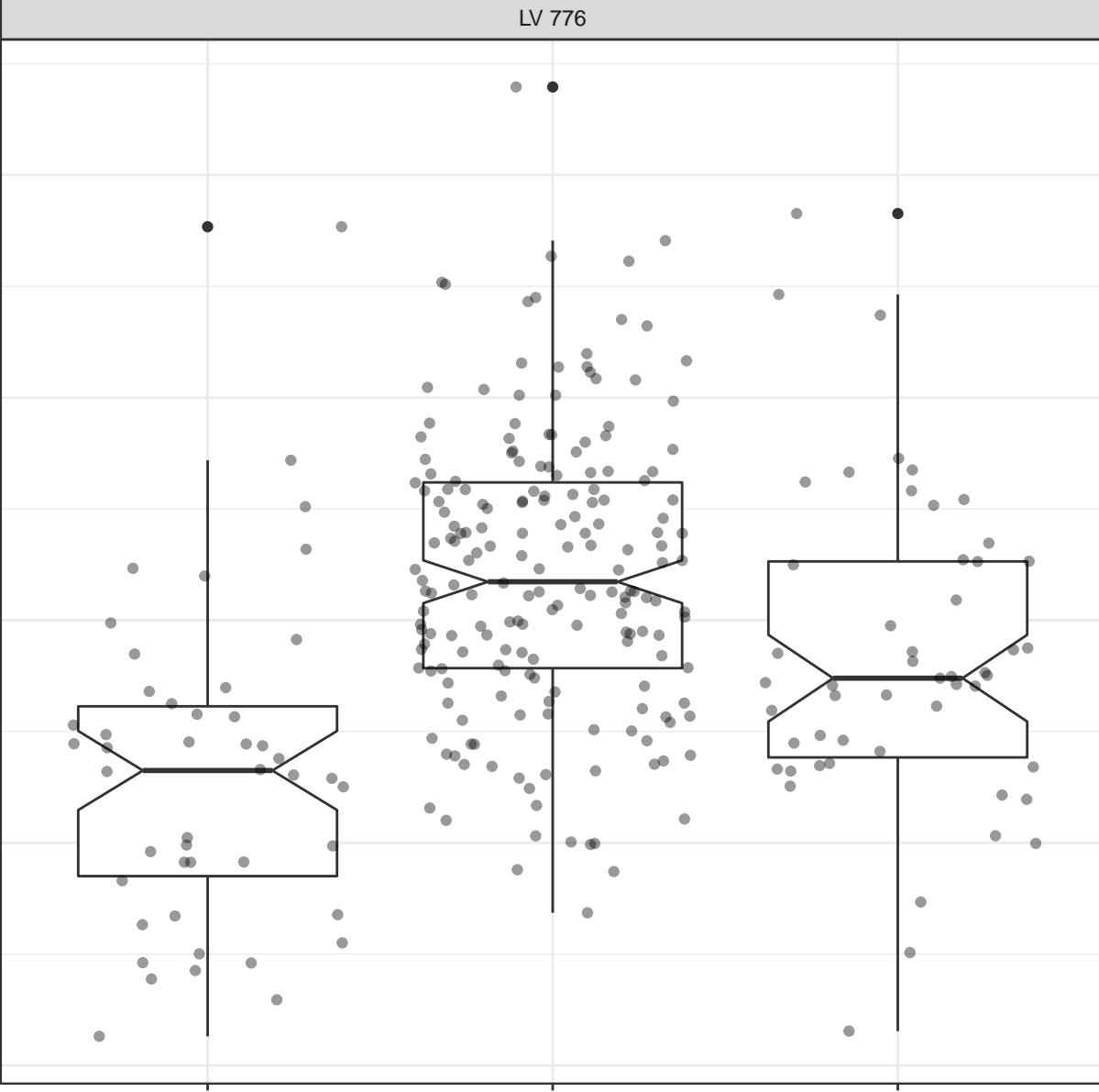
-0.10

Group 3

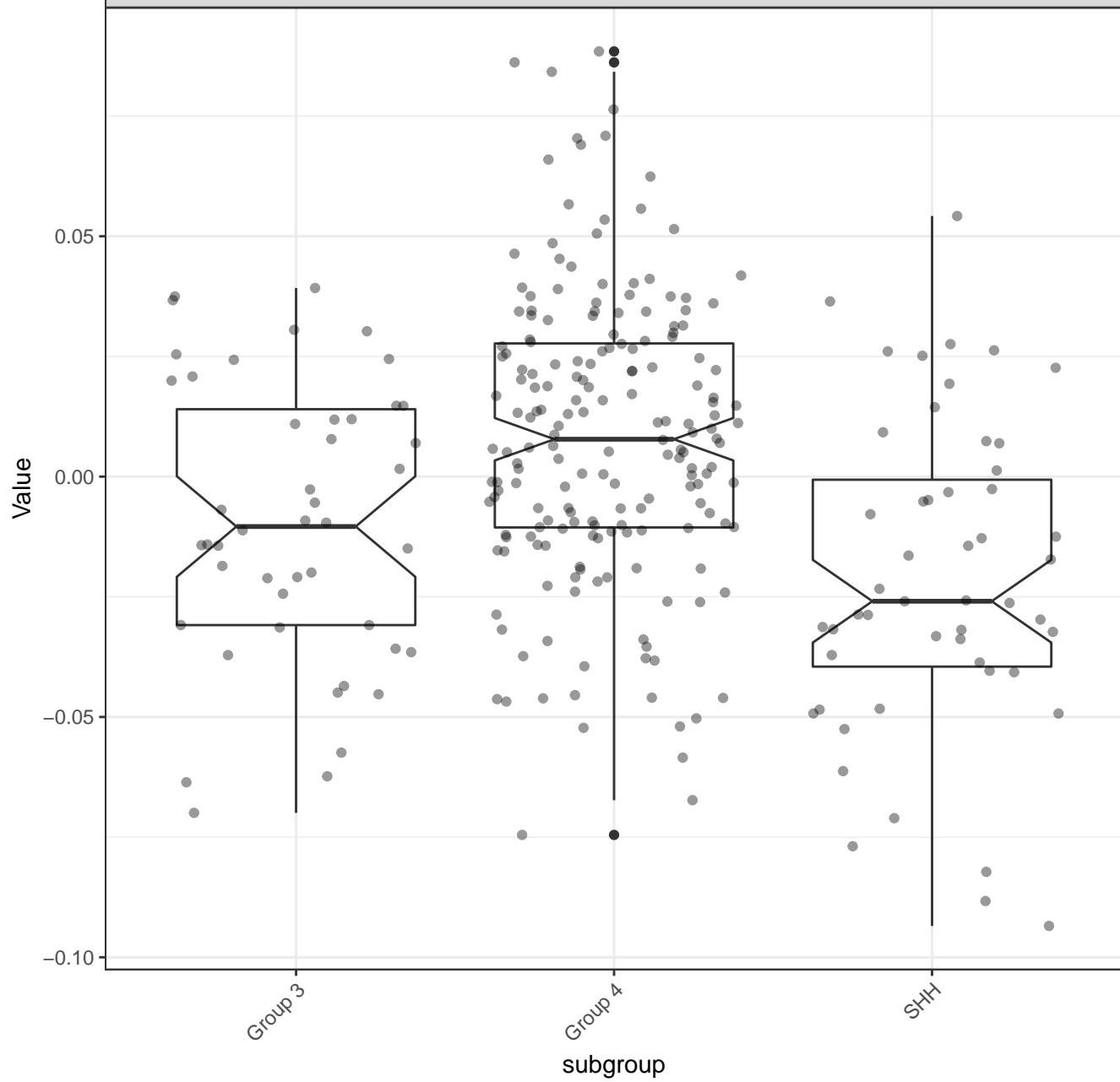
subgroup

Group 4

SHH



777,PID_P53DOWNSTREAMPATHWAY



Value

0.05

0.00

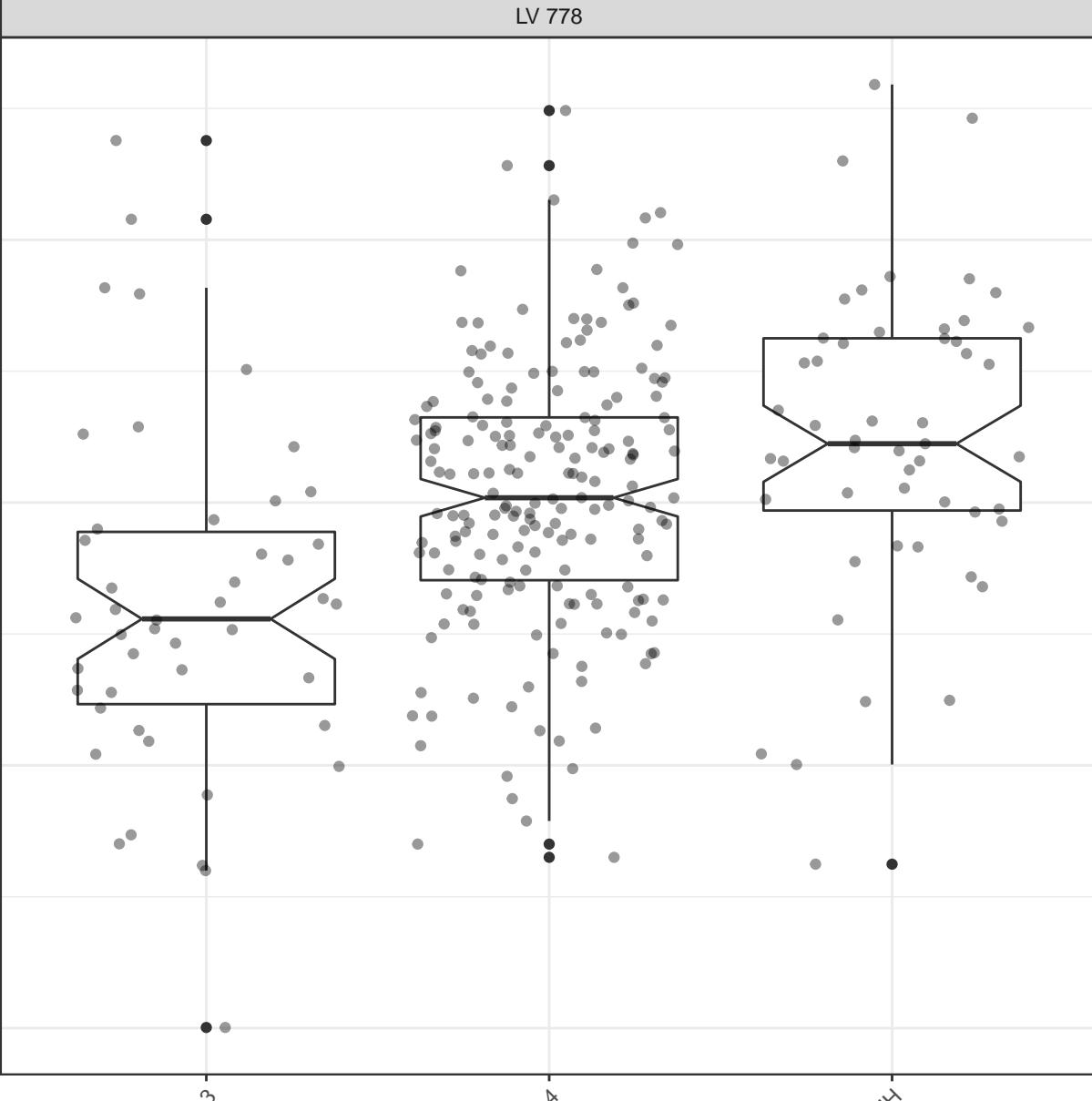
-0.05

-0.10

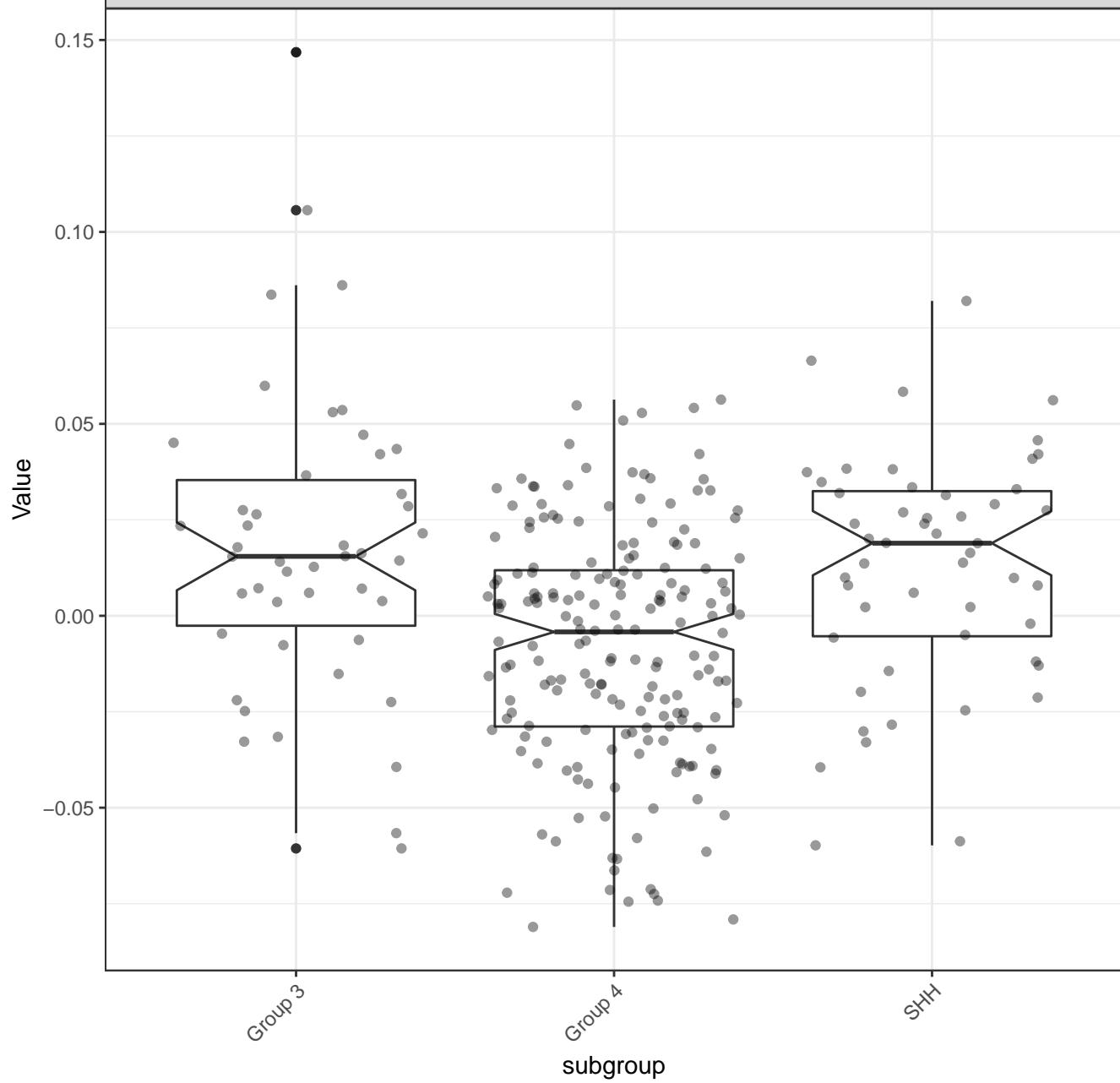
Group 3

subgroup

SHH



LV 779



LV 780

Value

0.05

0.00

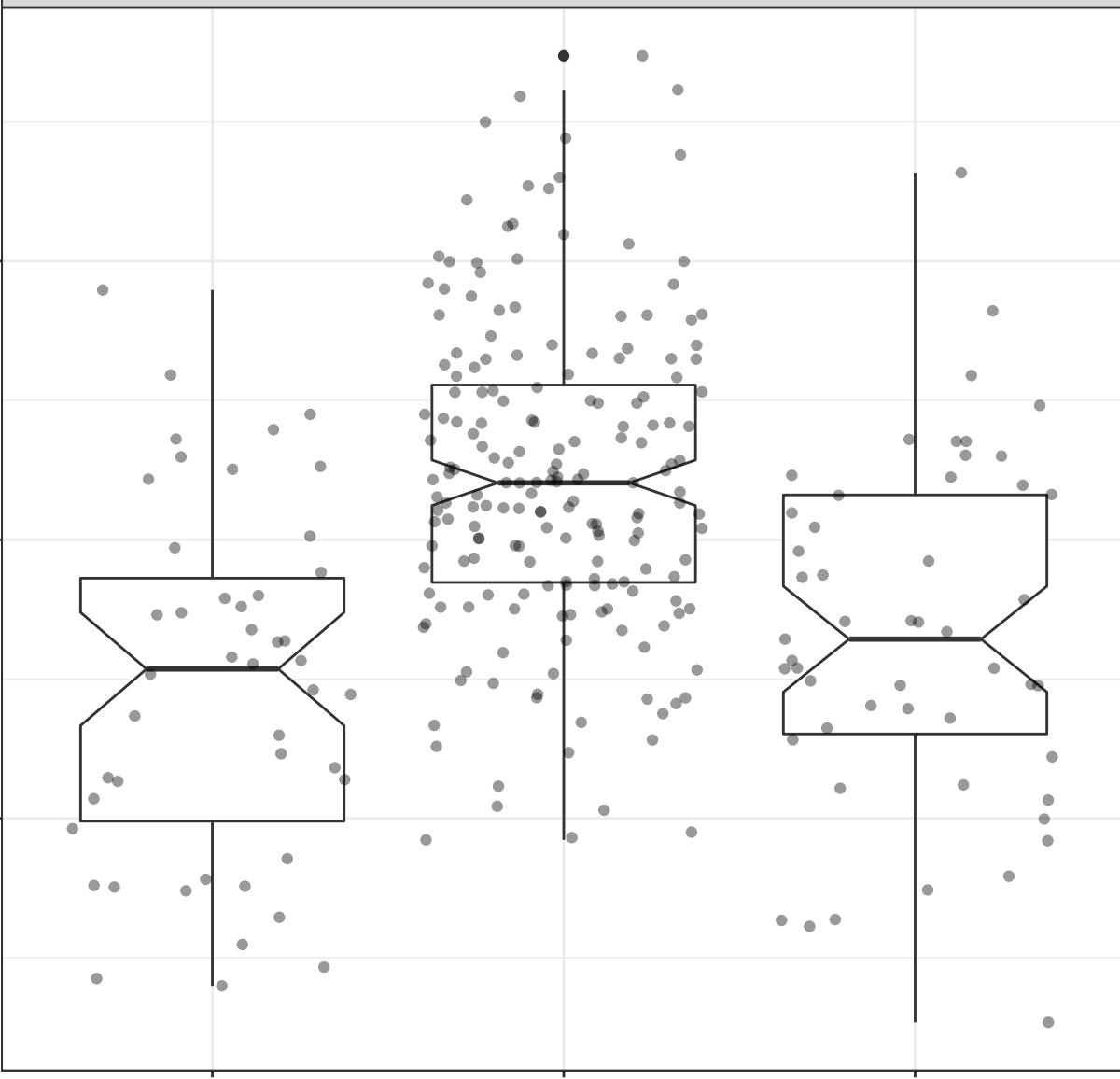
-0.05

Group 3

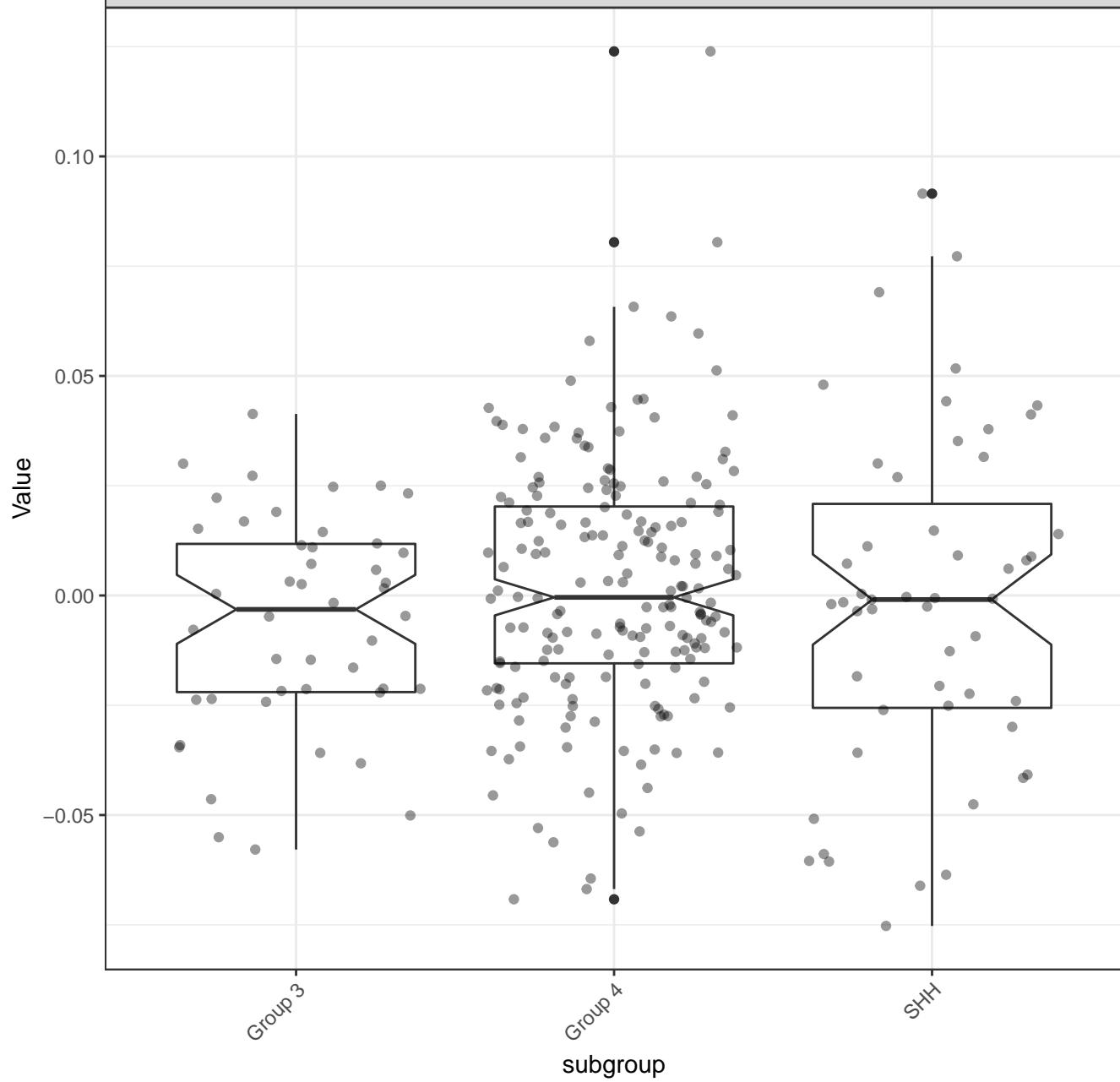
Group 4

SHH

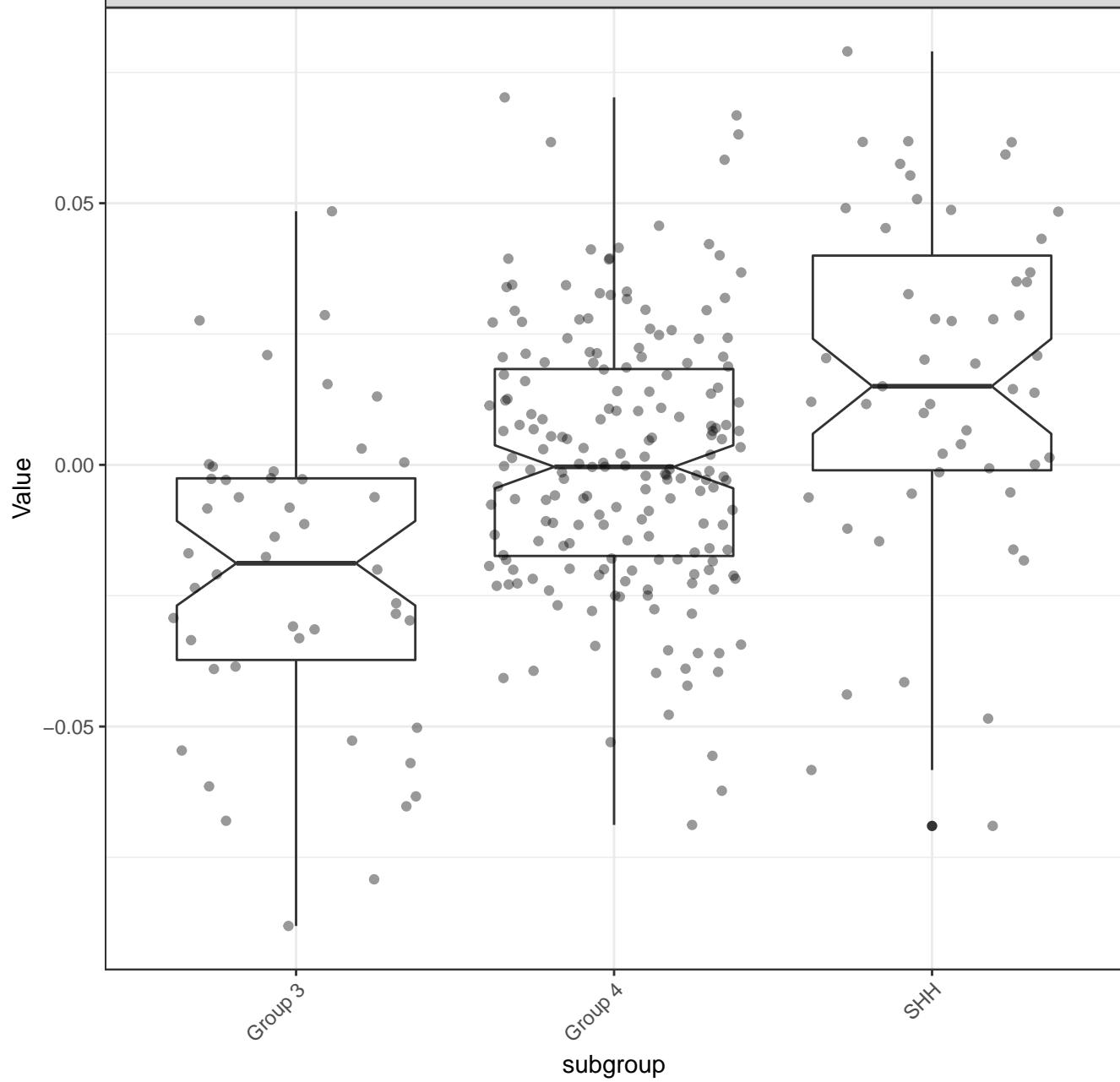
subgroup



LV 781



LV 782



LV 783

Value

0.05

0.00

-0.05

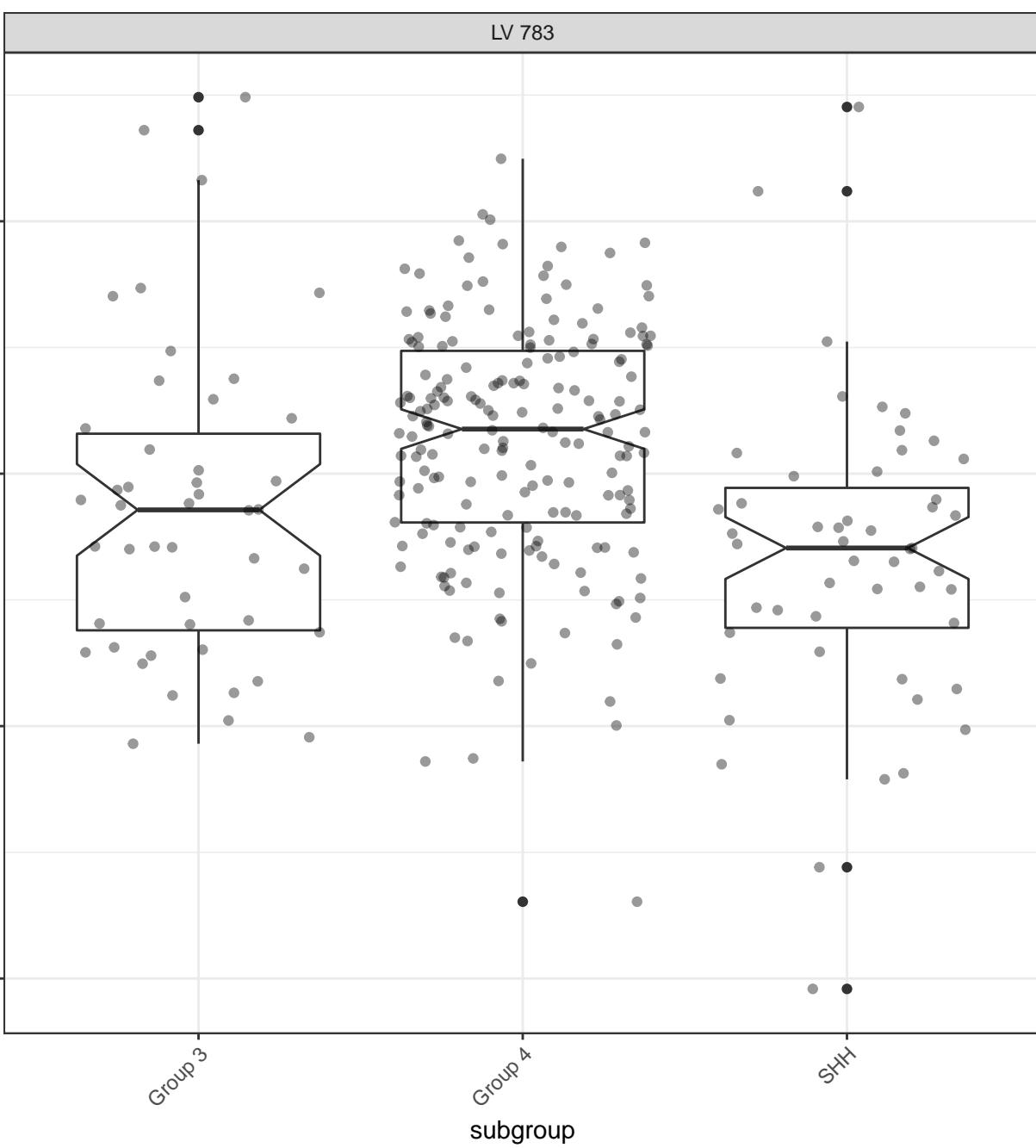
-0.10

Group 3

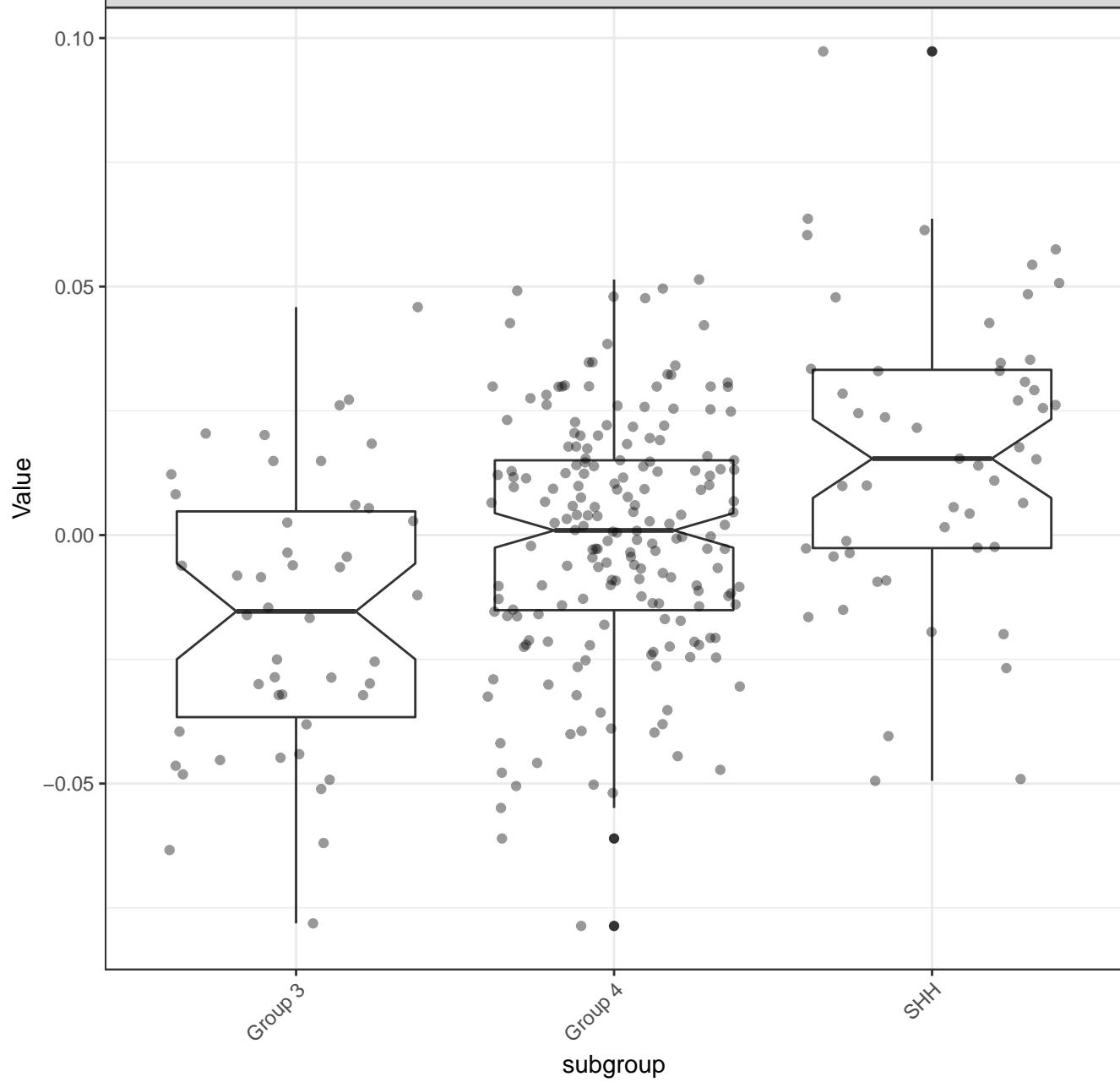
subgroup

Group 4

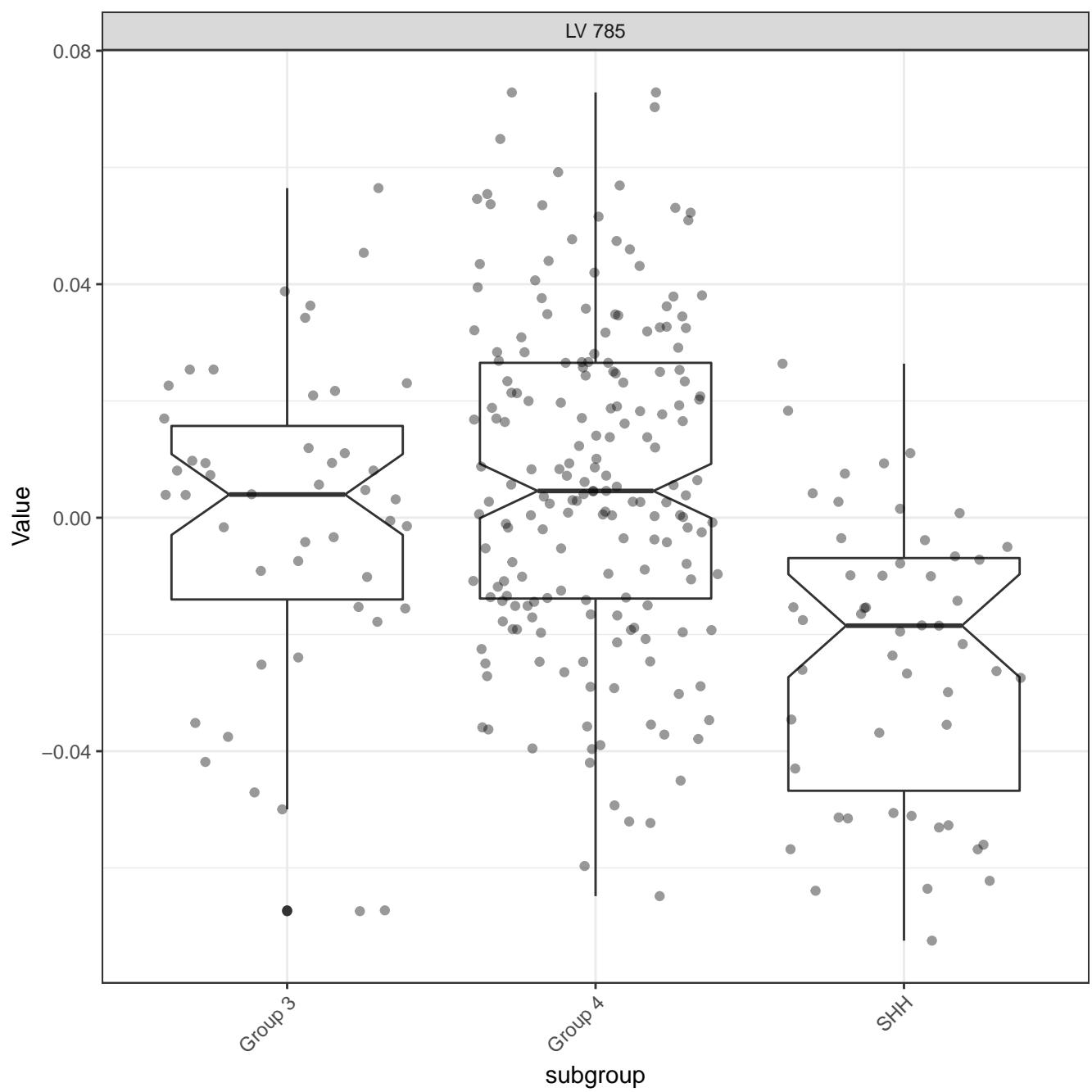
SHH



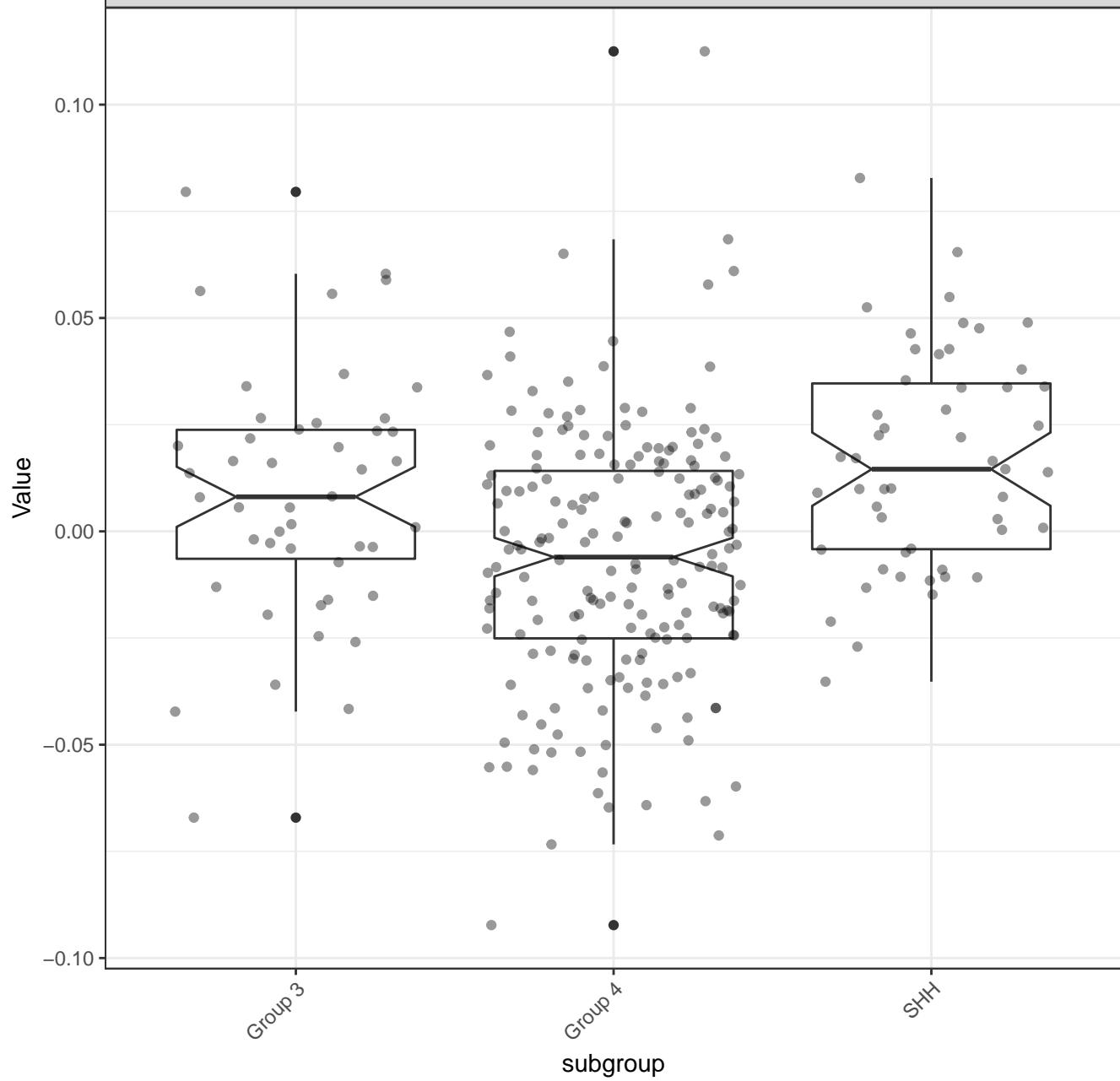
LV 784



LV 785



LV 786



787,DMAP_MONO1

Value

0.1

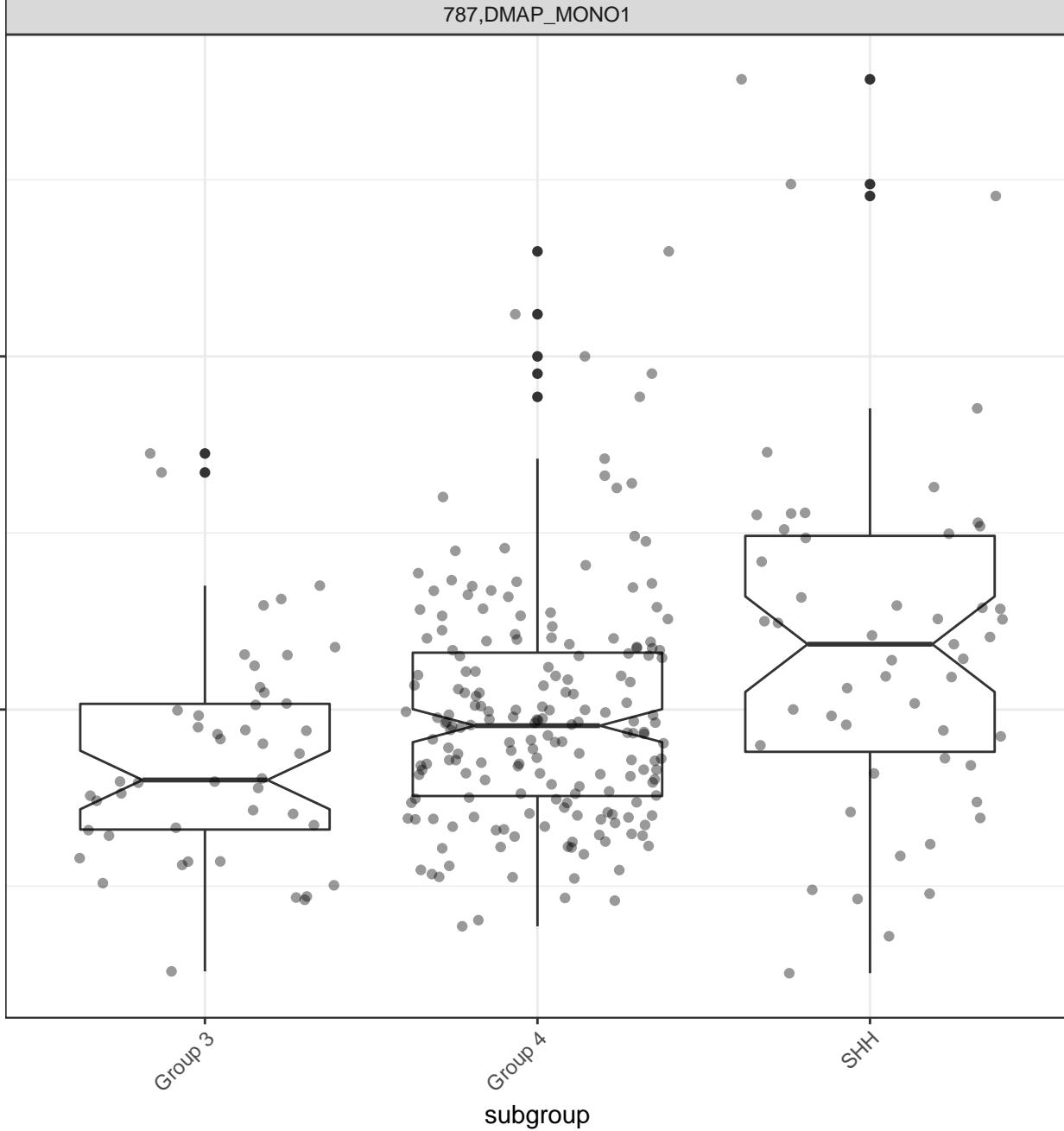
0.0

Group 3

Group 4

SHH

subgroup



LV 788

Value

0.10

0.05

0.00

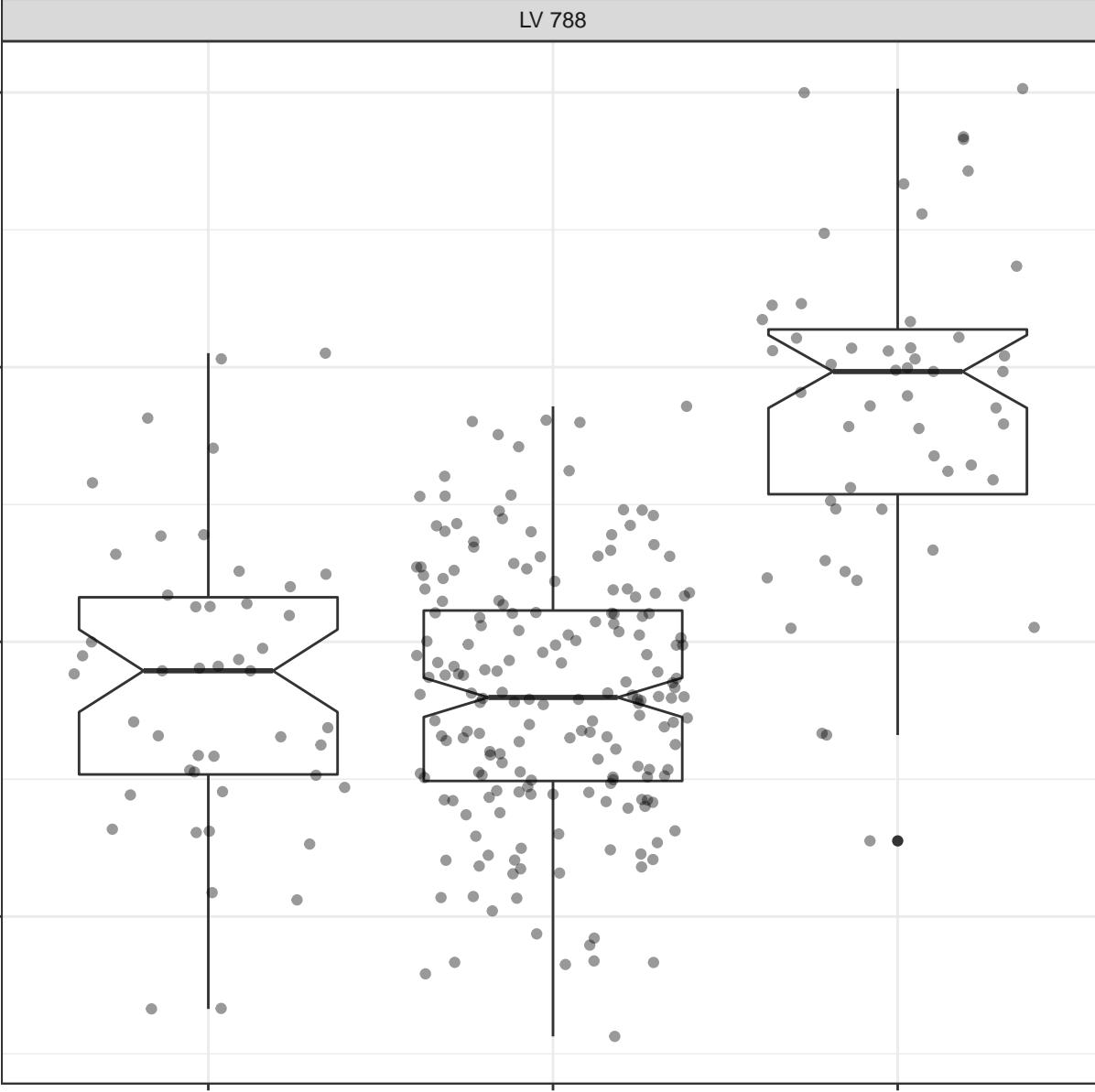
-0.05

Group 3

subgroup

Group 4

SHH



LV 789

Value

0.2

0.1

0.0

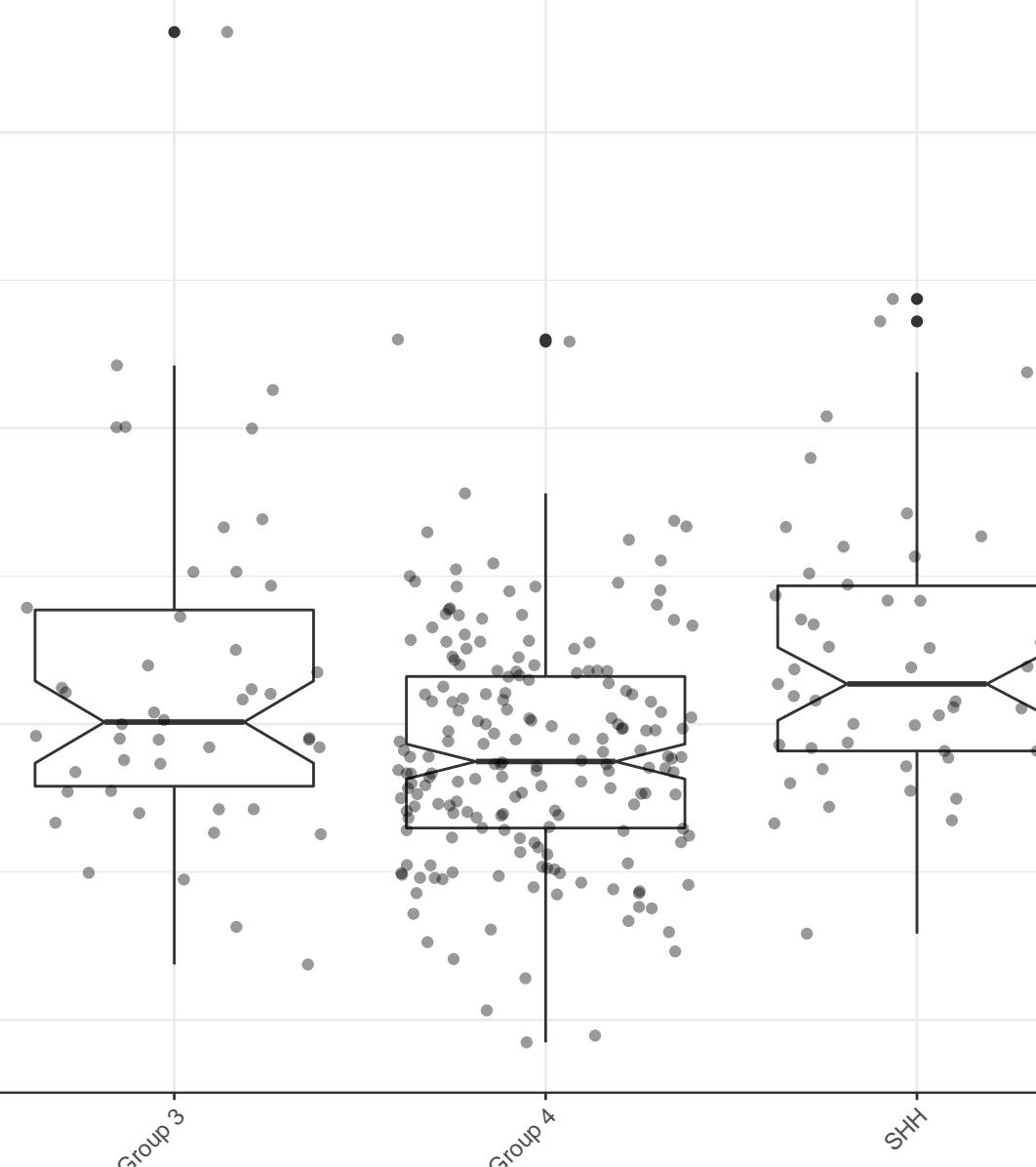
-0.1

Group 3

Group 4

SHH

subgroup



LV 790

Value

0.10

0.05

0.00

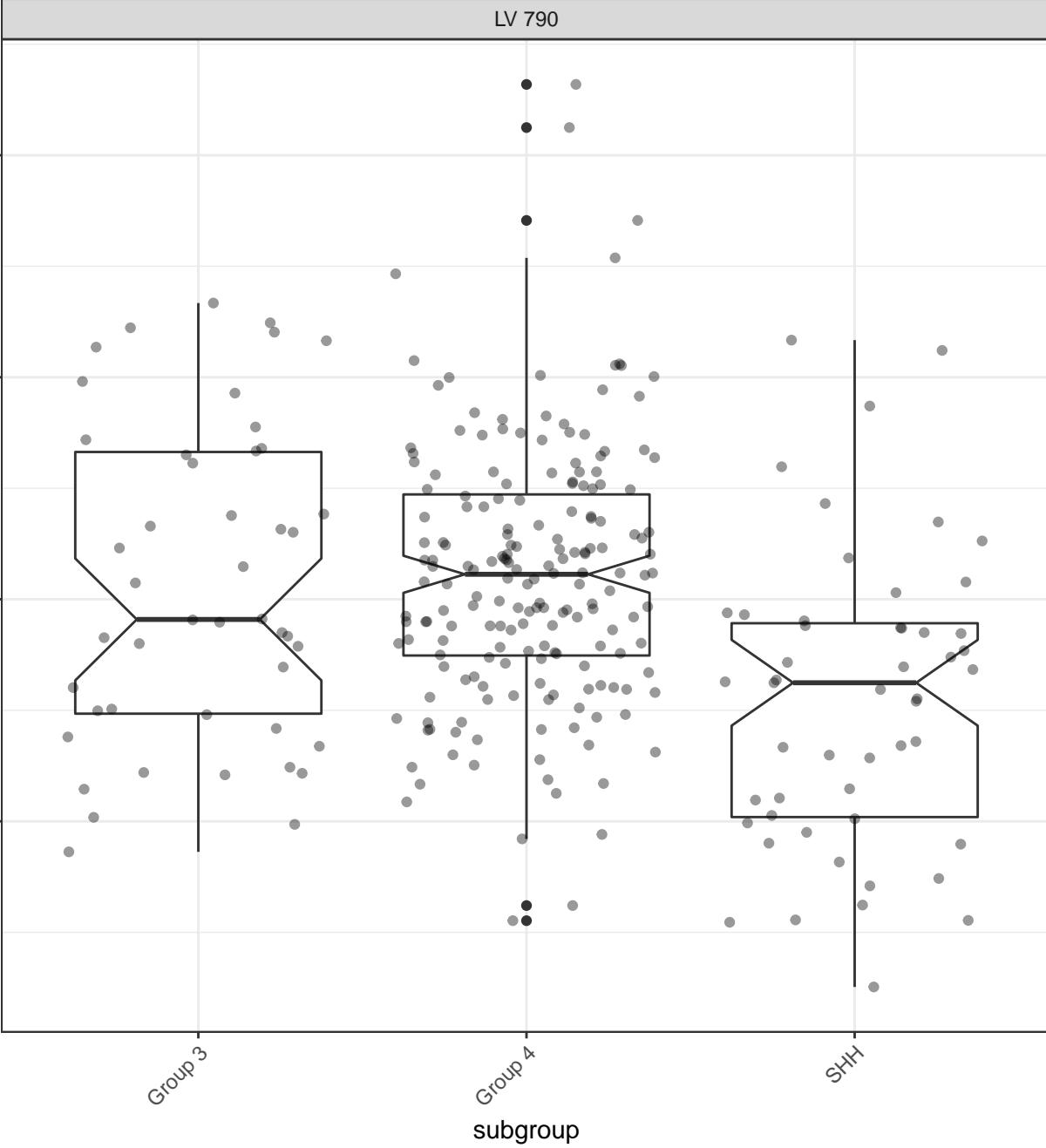
-0.05

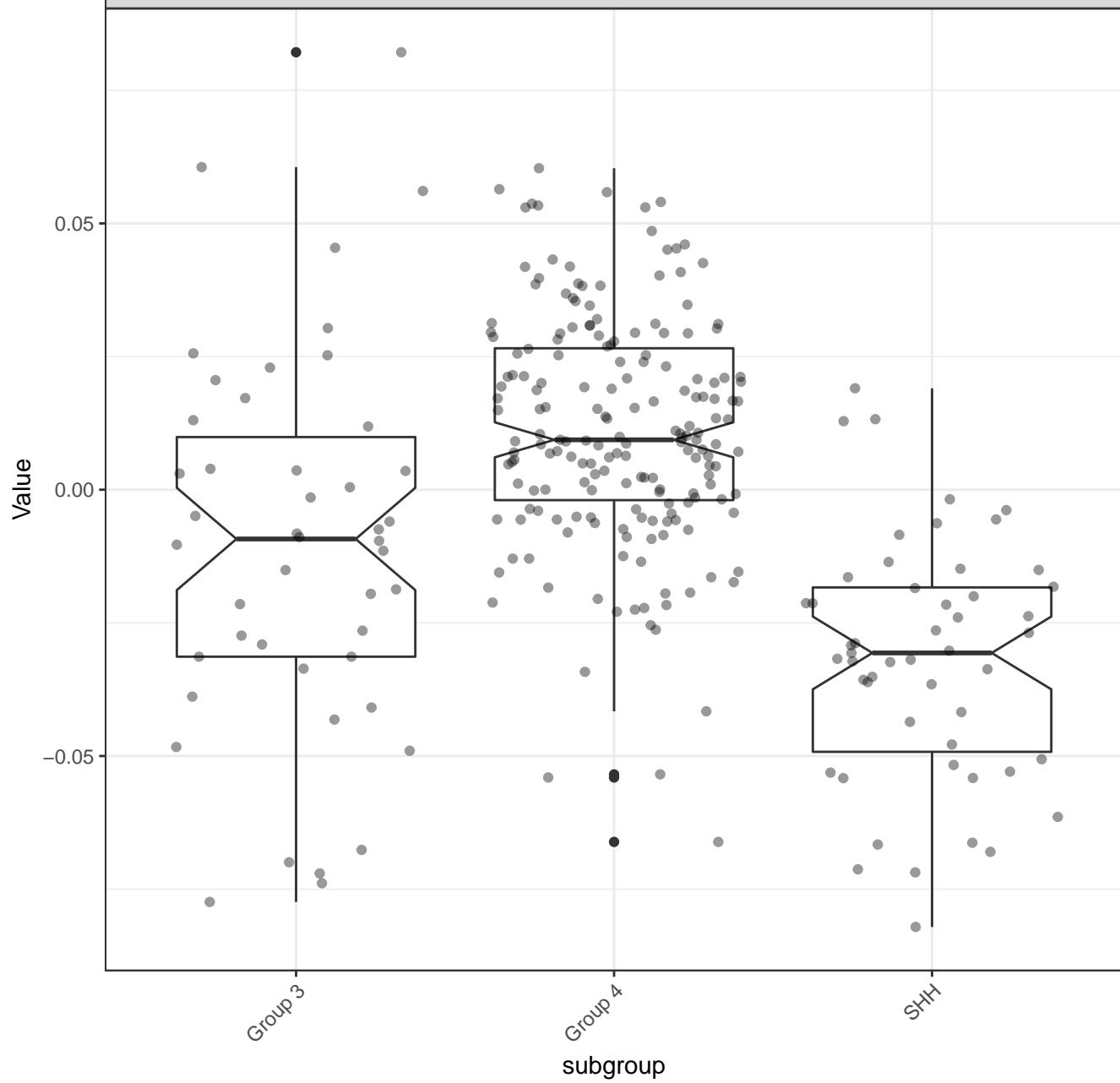
Group 3

Group 4

SHH

subgroup





LV 792

Value

0.15

0.10

0.05

0.00

-0.05

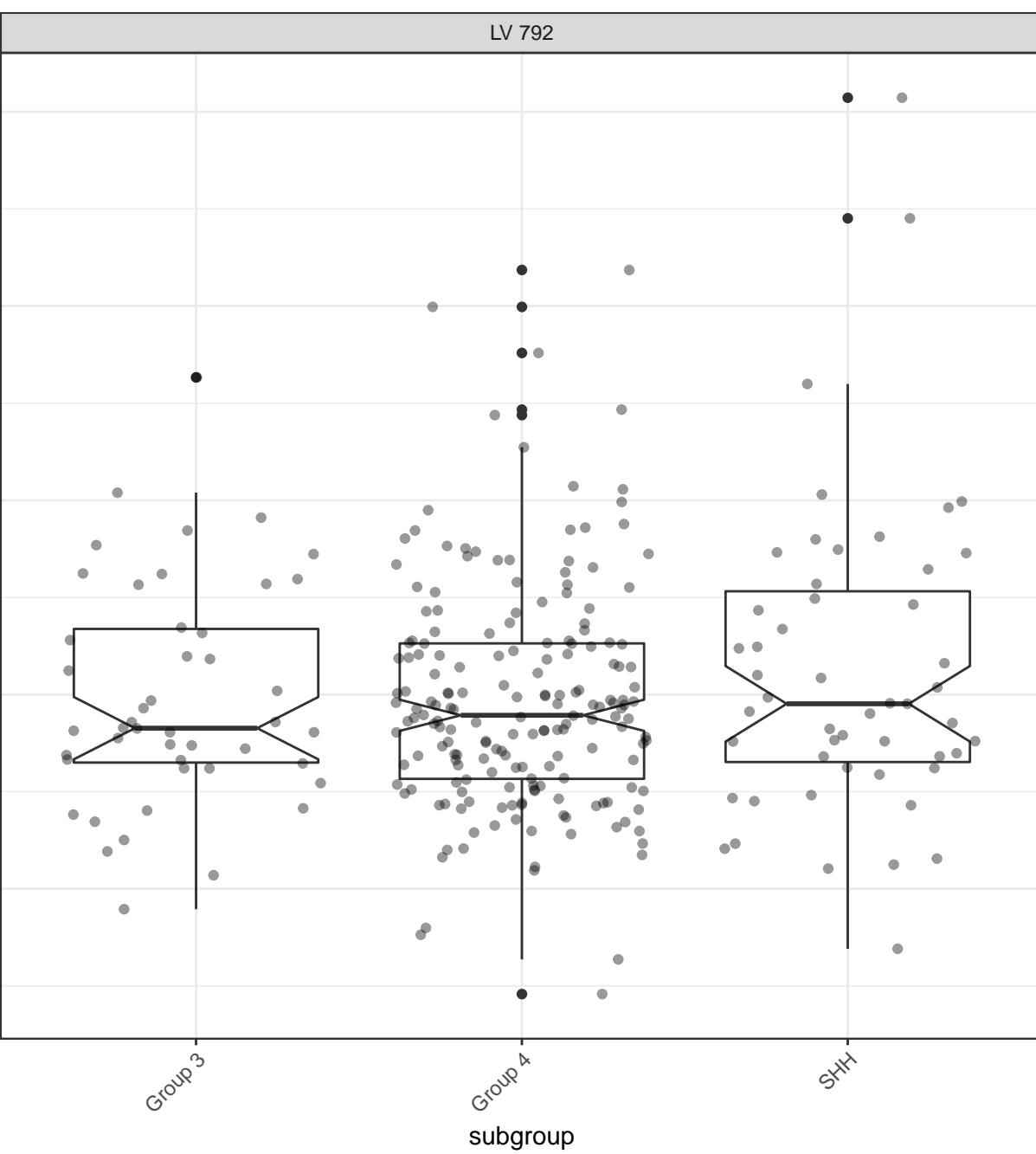
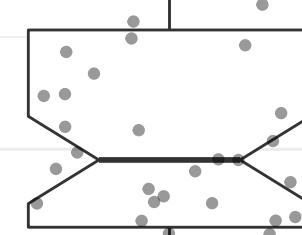
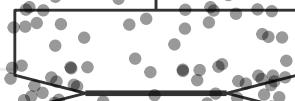
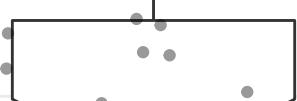
Group 3

subgroup

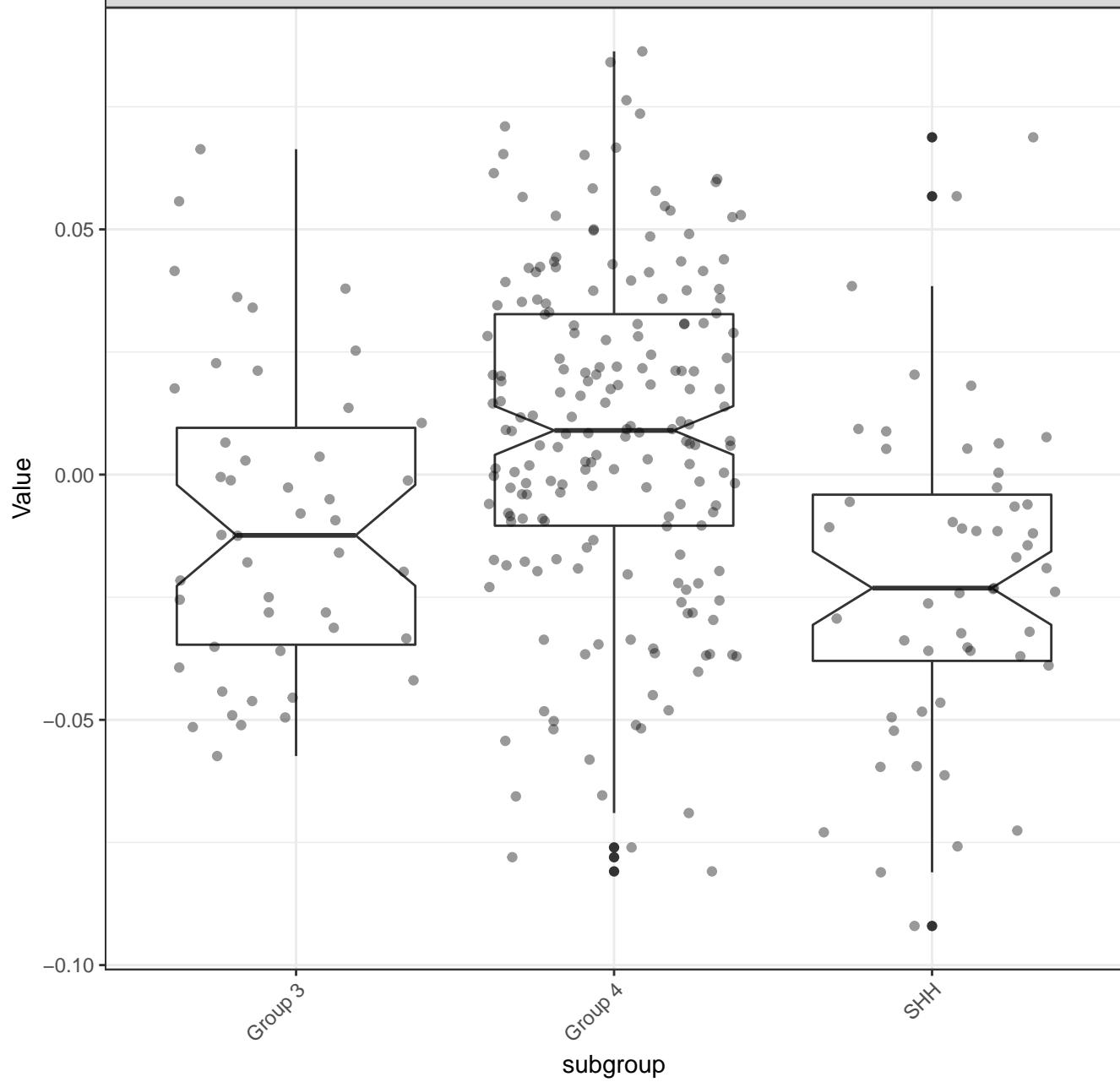
SHH

Group 4

subgroup



LV 793



LV 794

Value

0.10

0.05

0.00

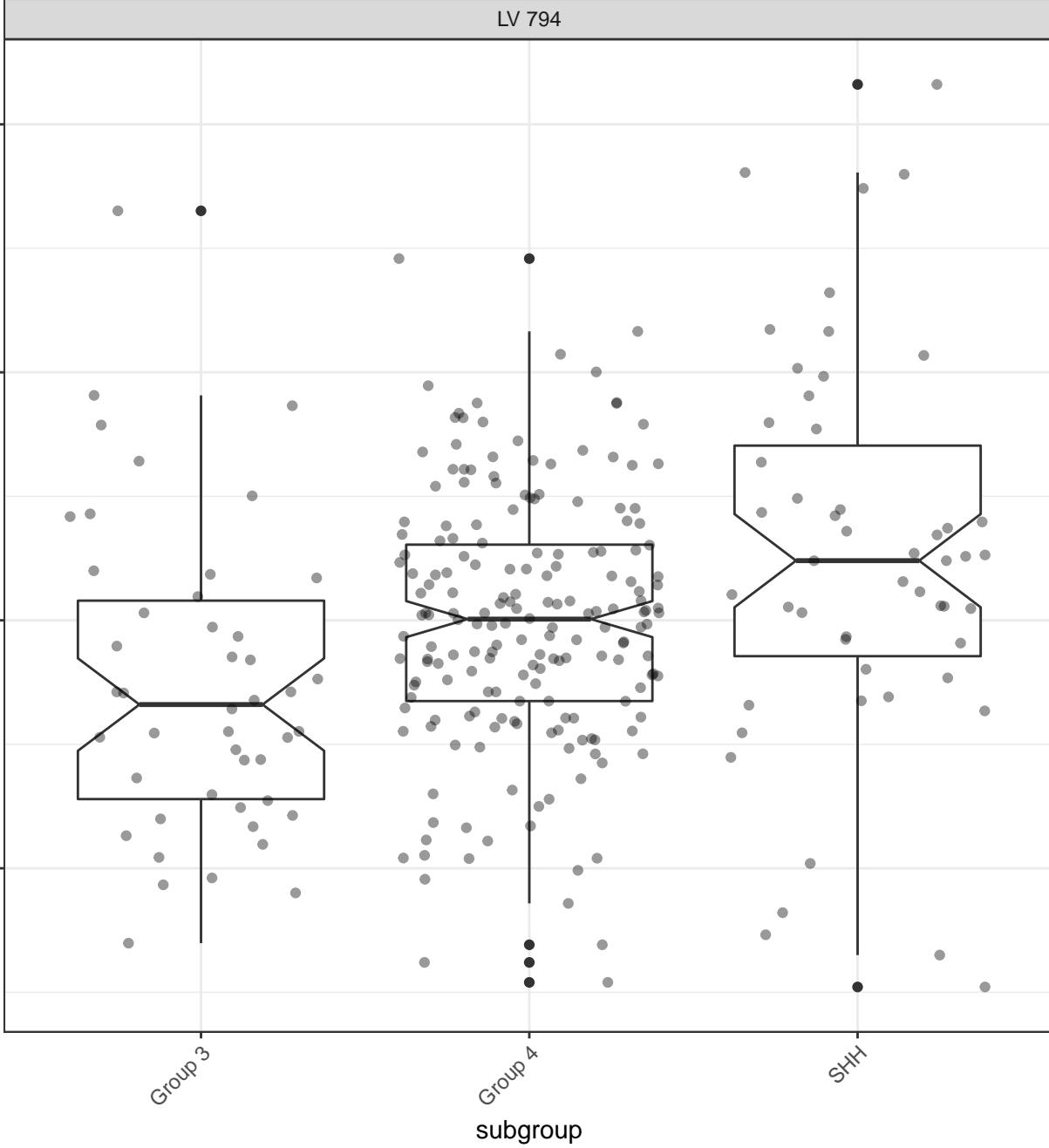
-0.05

Group 3

Group 4

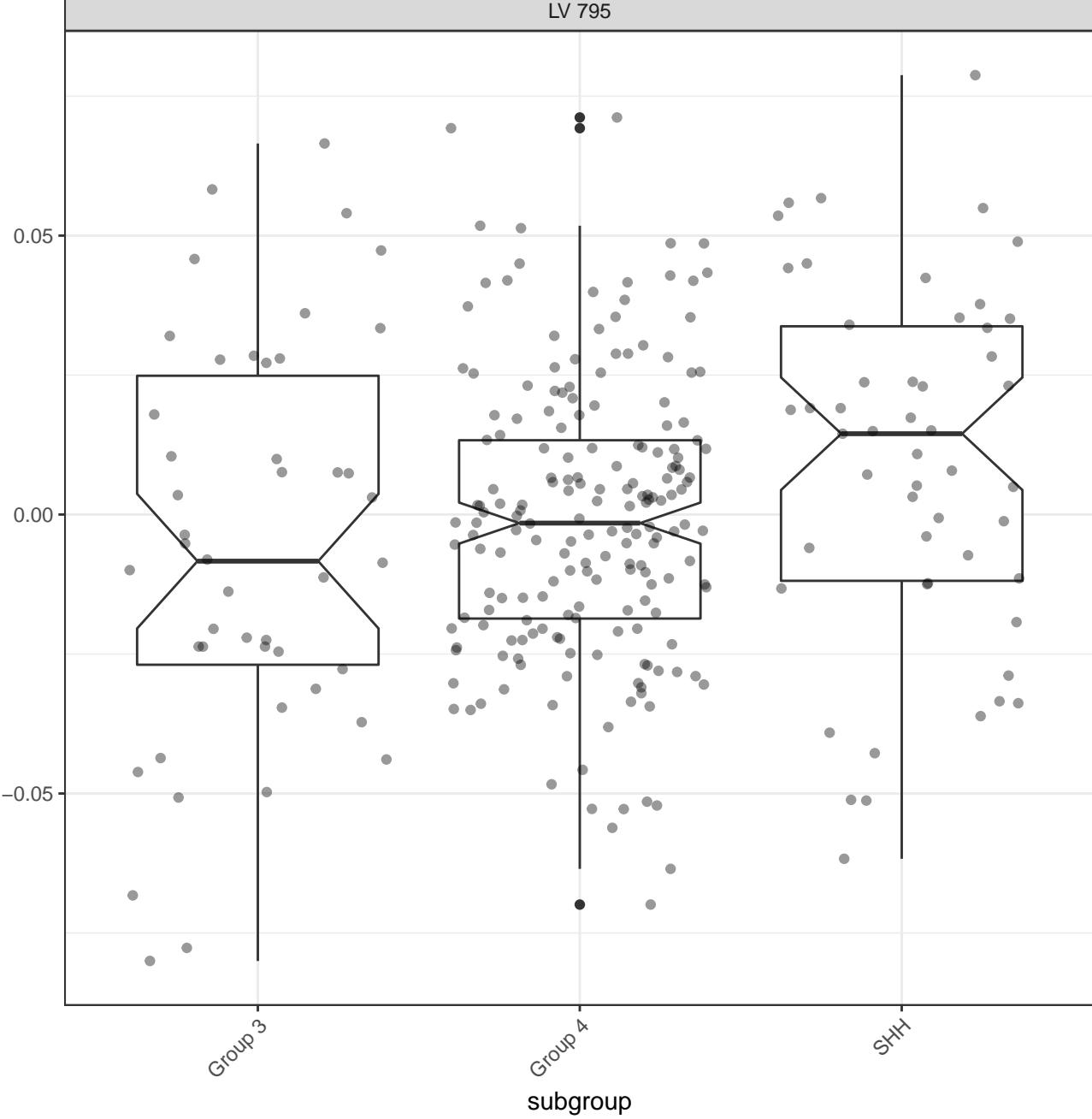
SHH

subgroup



LV 795

Value



LV 796

Value

0.10

0.05

0.00

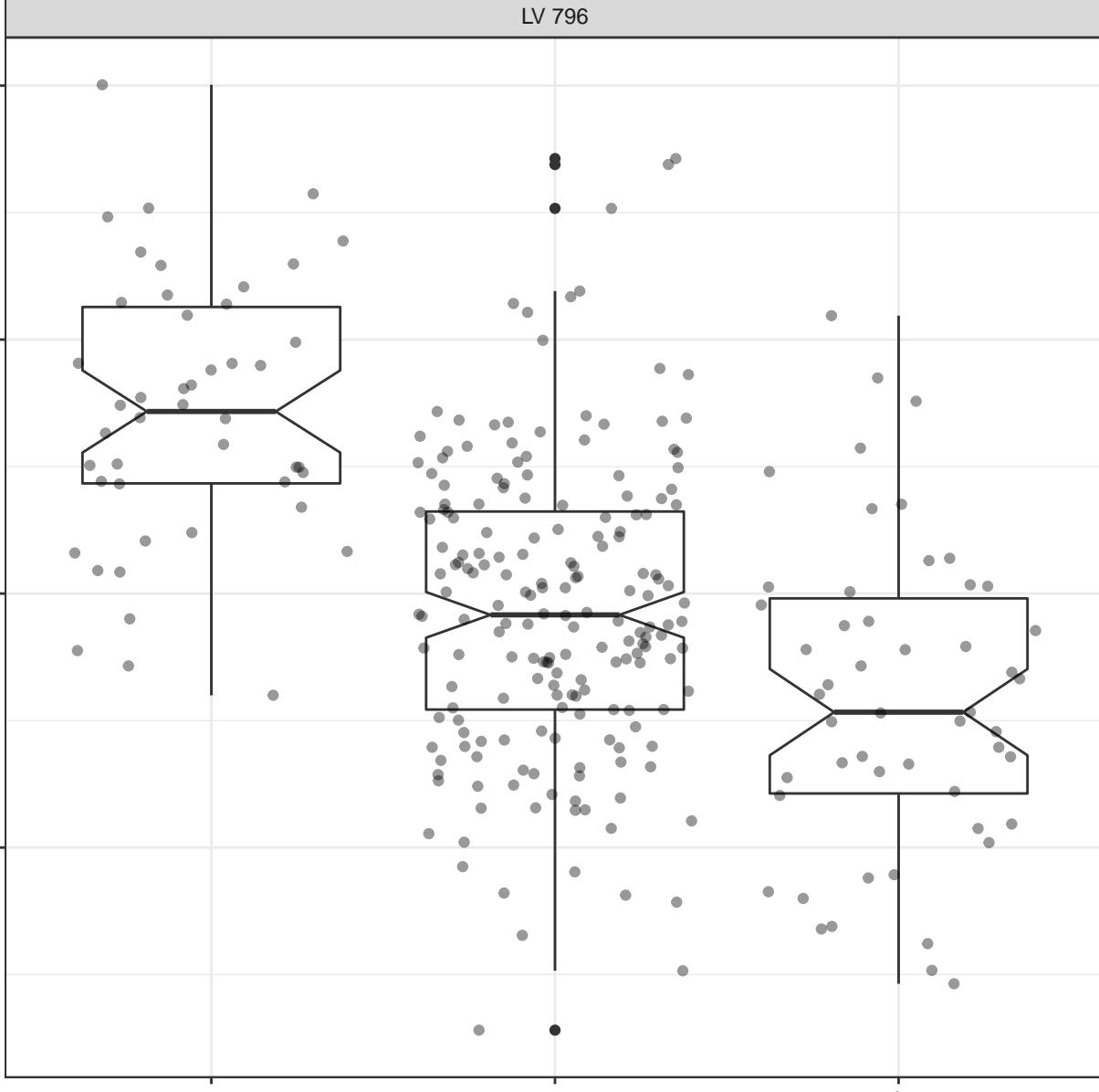
-0.05

Group 3

subgroup

Group 4

SHH



Value

0.04

0.00

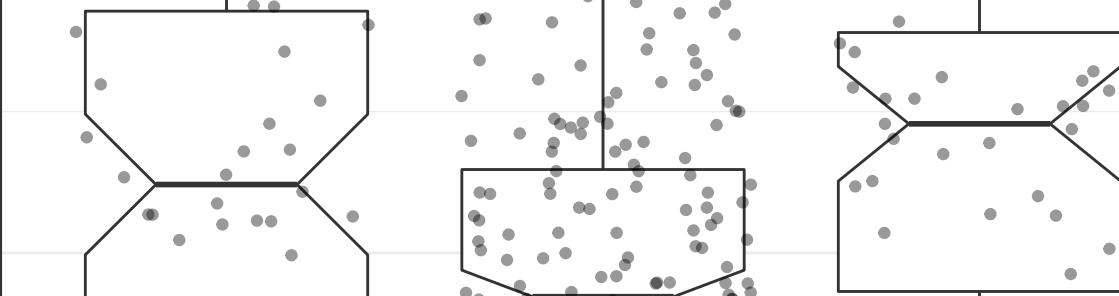
-0.04

-0.08

Group 3

subgroup

SHH



LV 798

Value

0.10

0.05

0.00

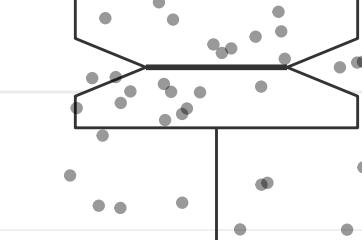
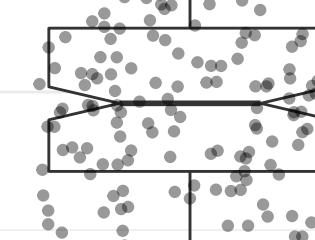
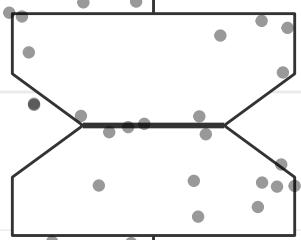
-0.05

Group 3

Group 4

SHH

subgroup



LV 799

Value

0.10

0.05

0.00

-0.05

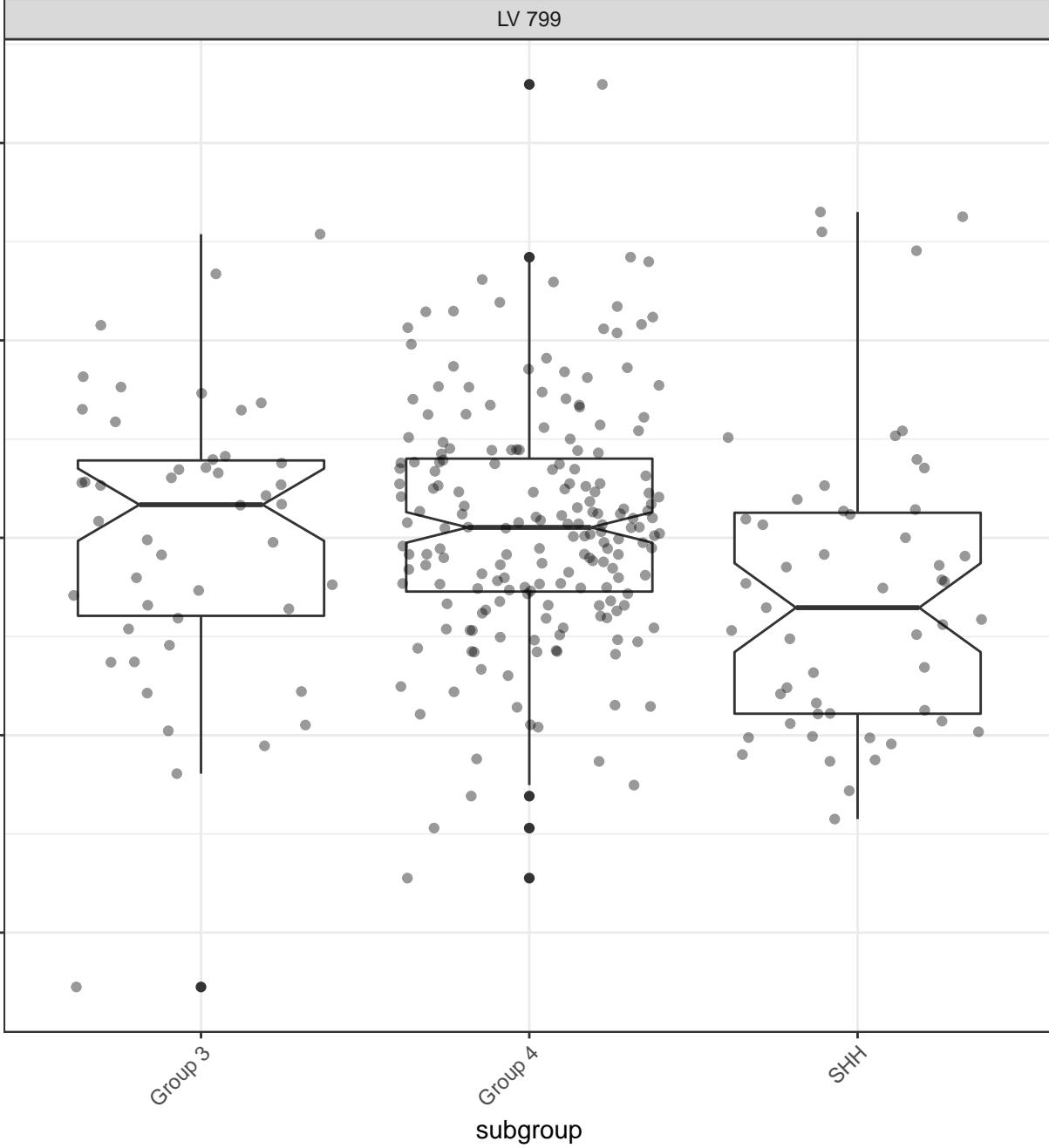
-0.10

Group 3

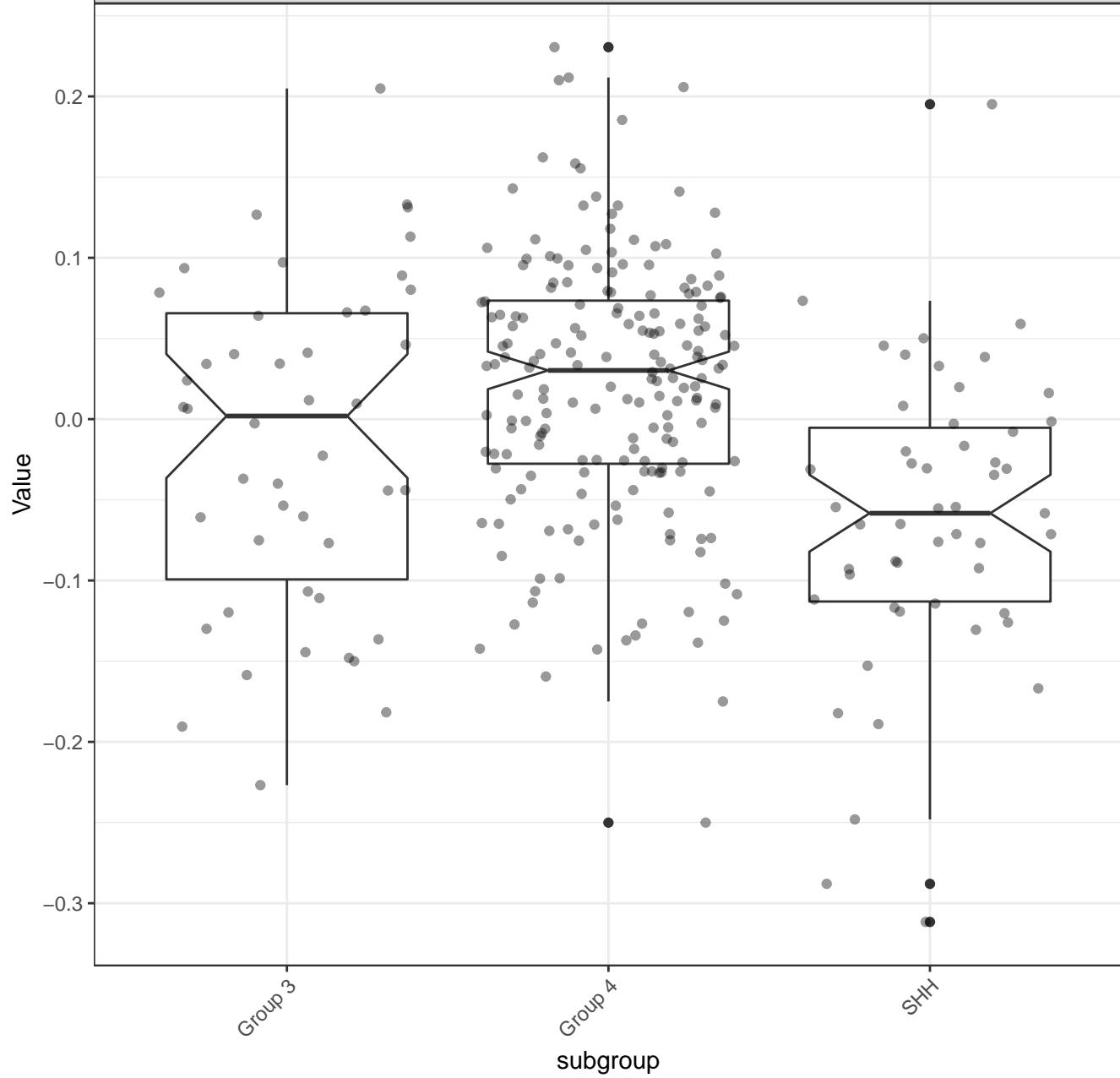
Group 4

SHH

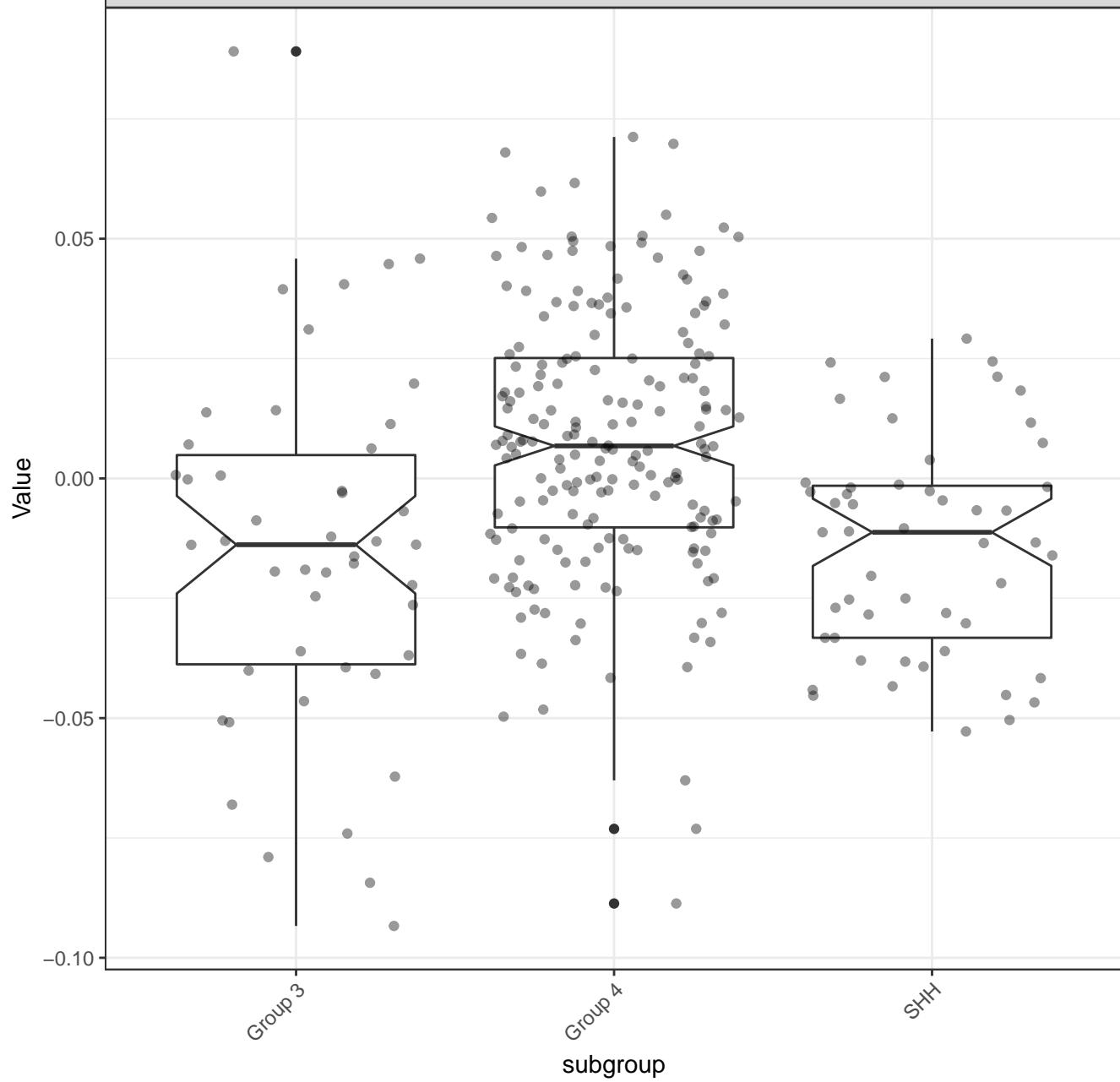
subgroup



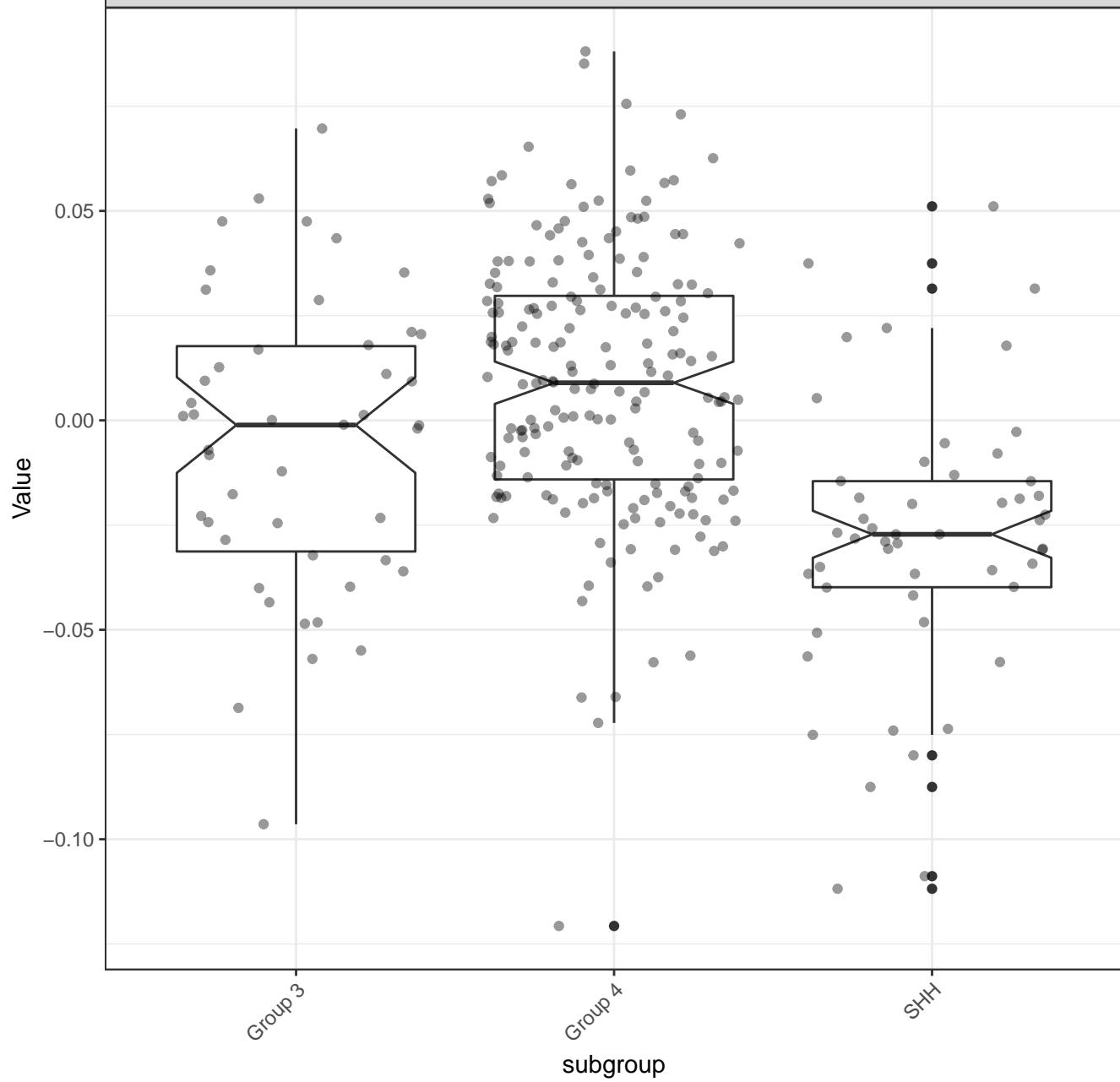
800,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY



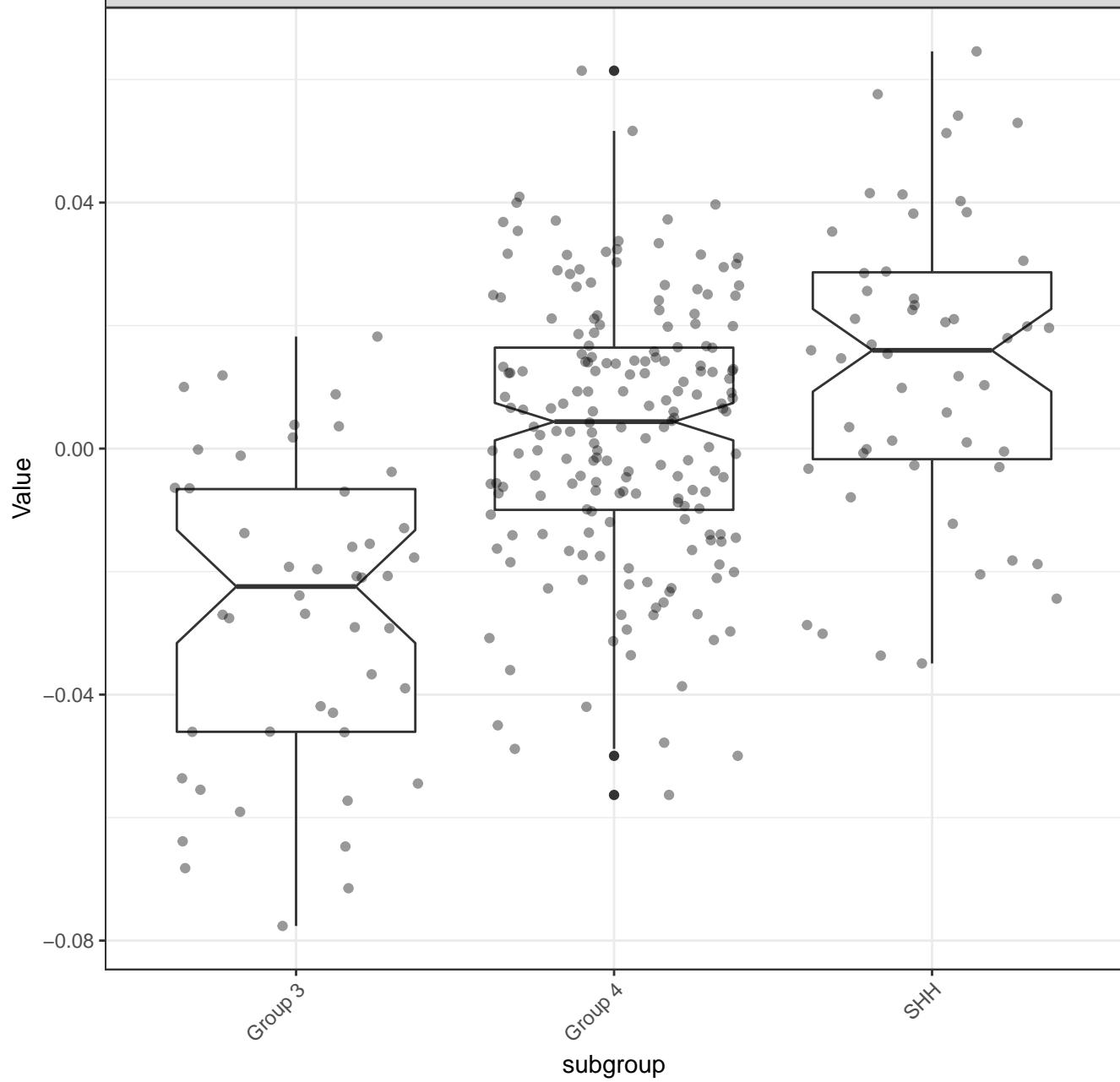
LV 801



LV 802



LV 803



LV 804

Value

0.2

0.1

0.0

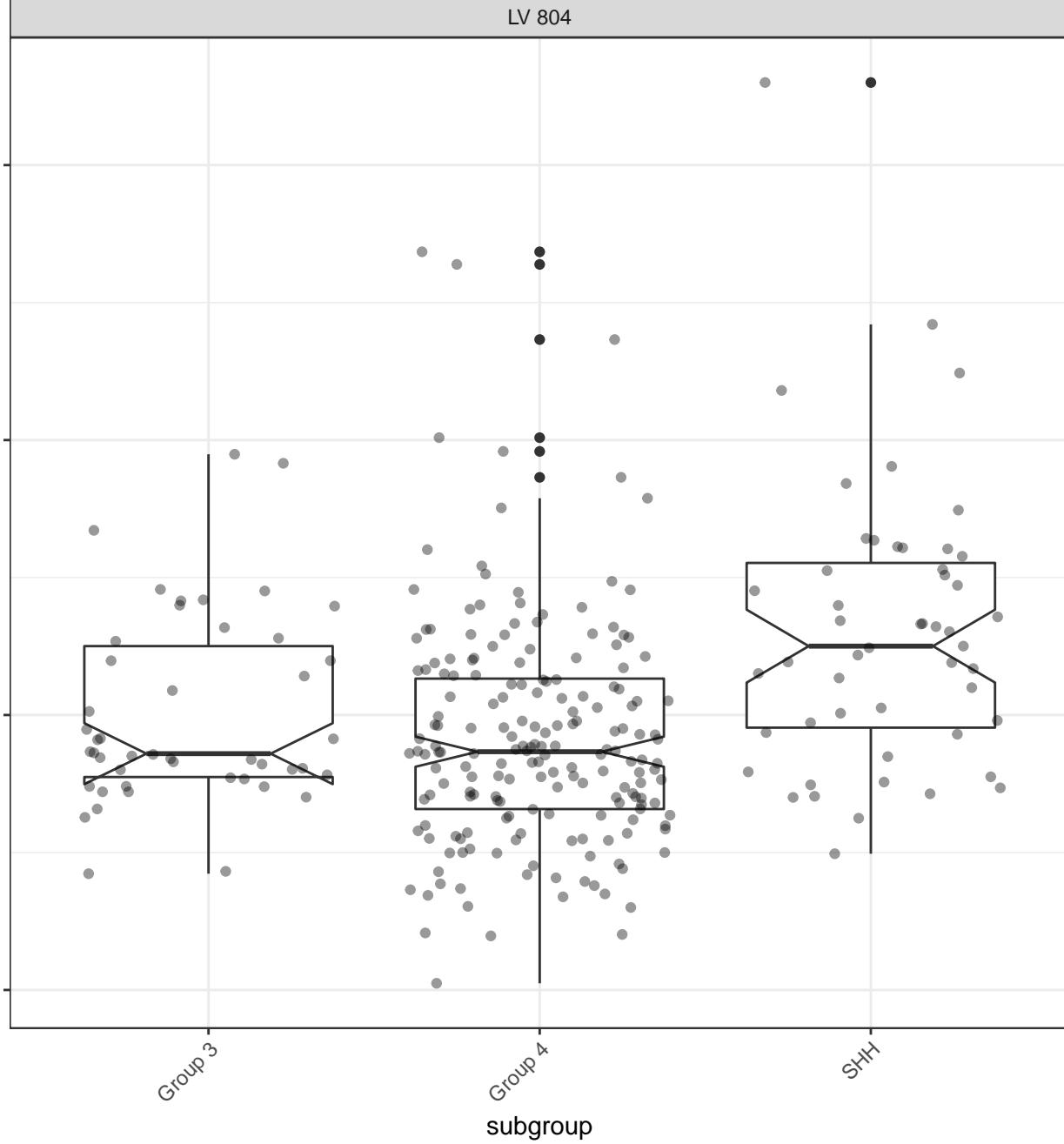
-0.1

Group³

Group⁴

SHH

subgroup



LV 805

Value

0.04

0.00

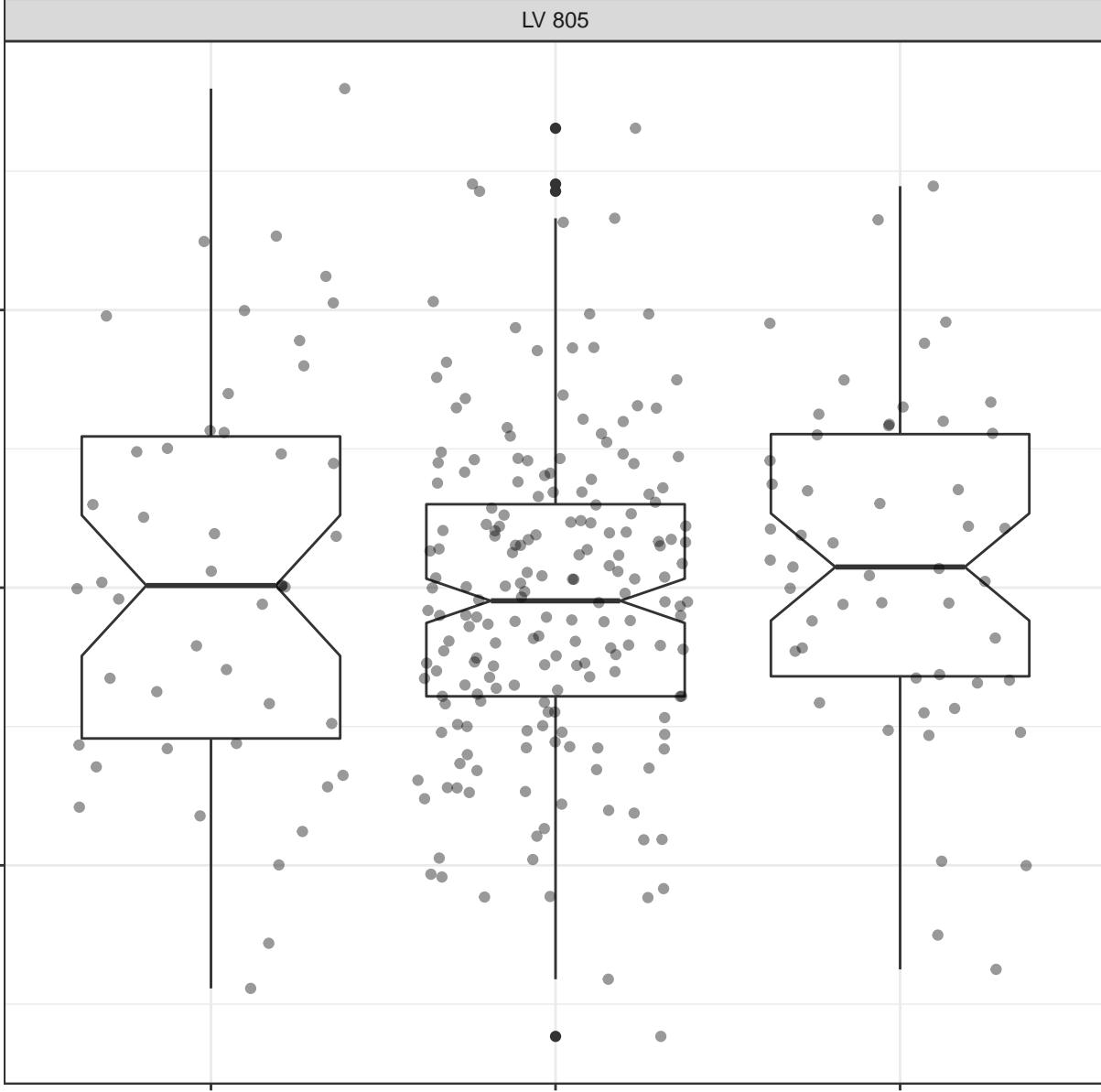
-0.04

Group 3

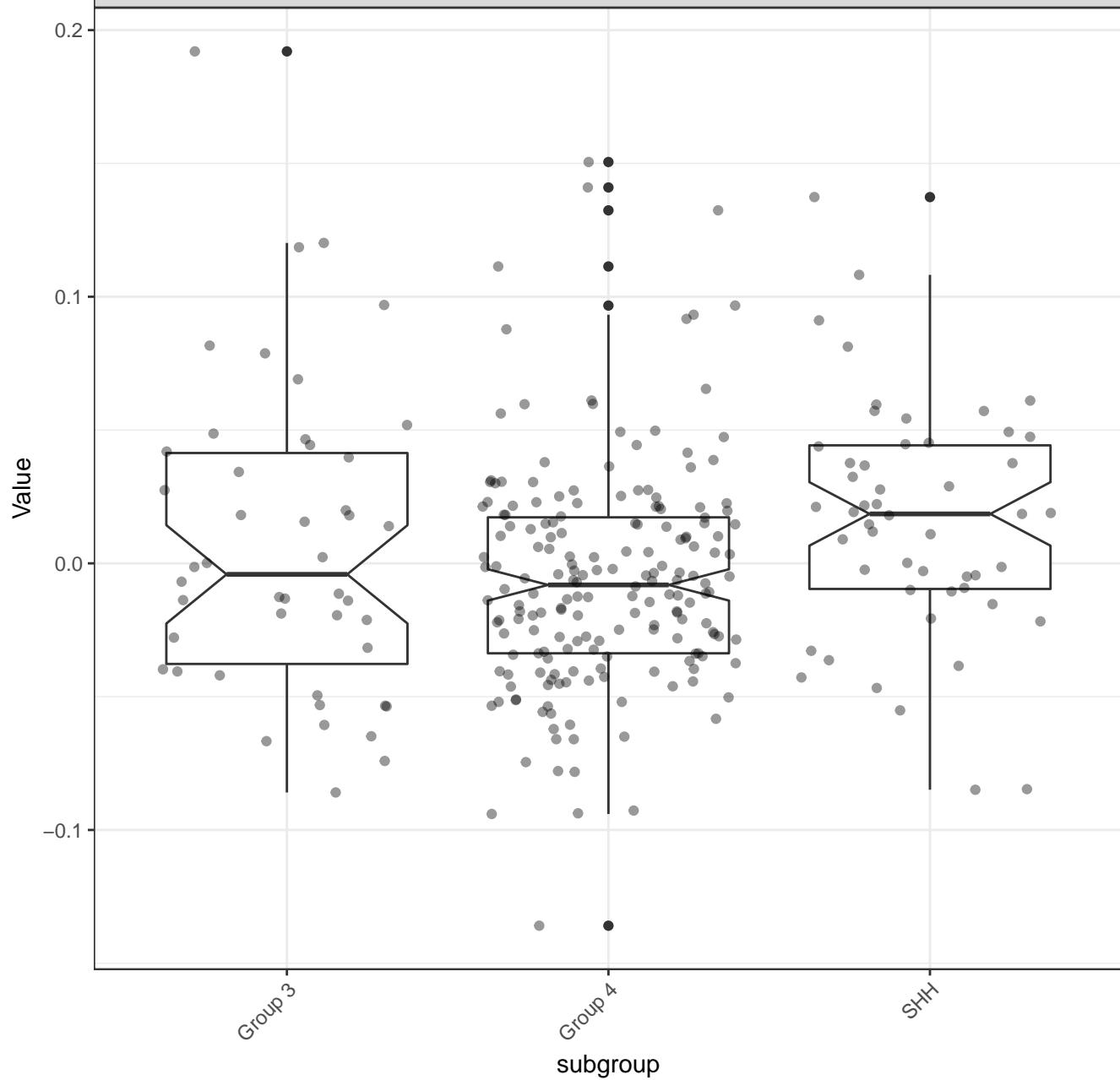
subgroup

Group 4

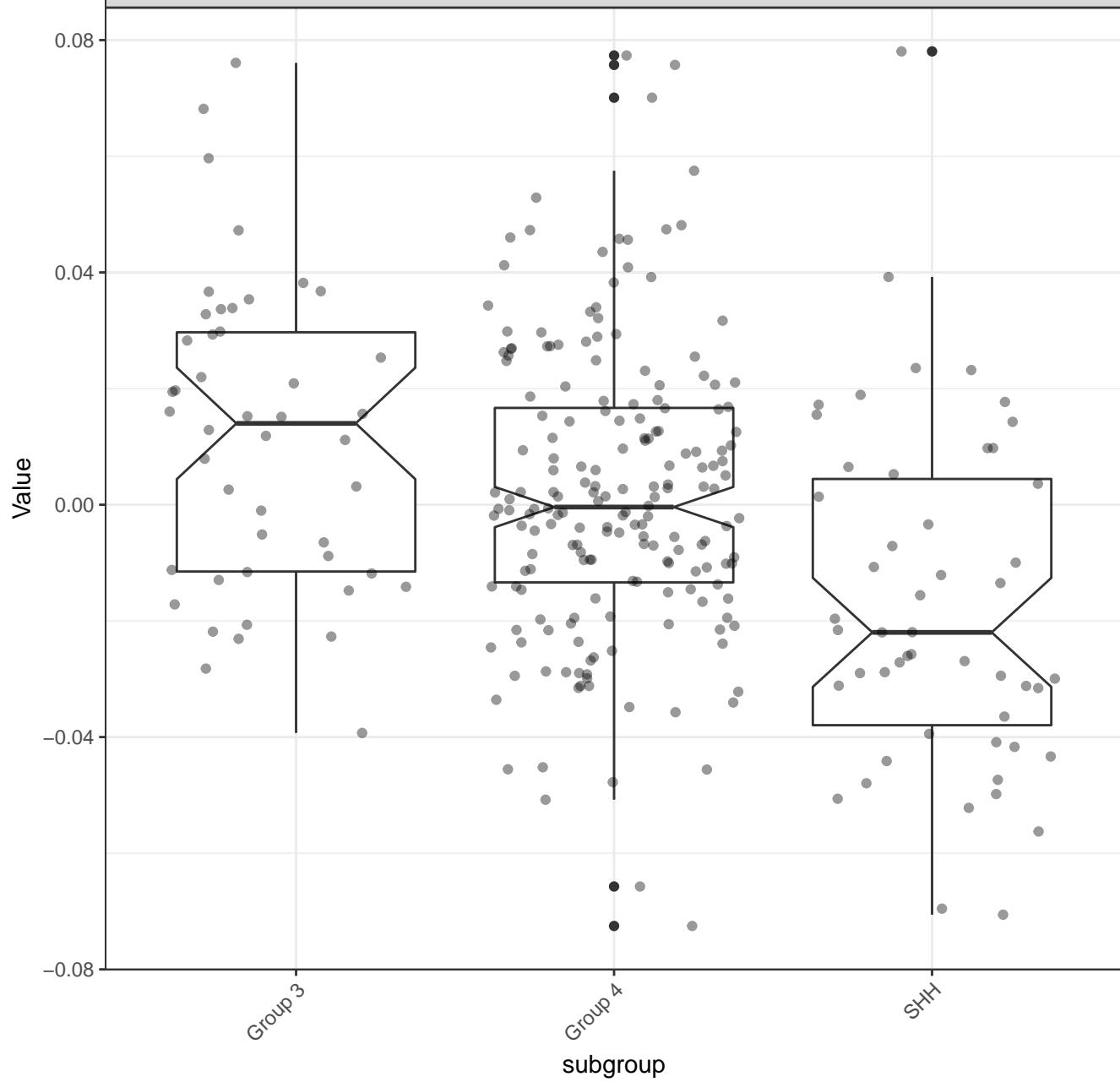
SHH



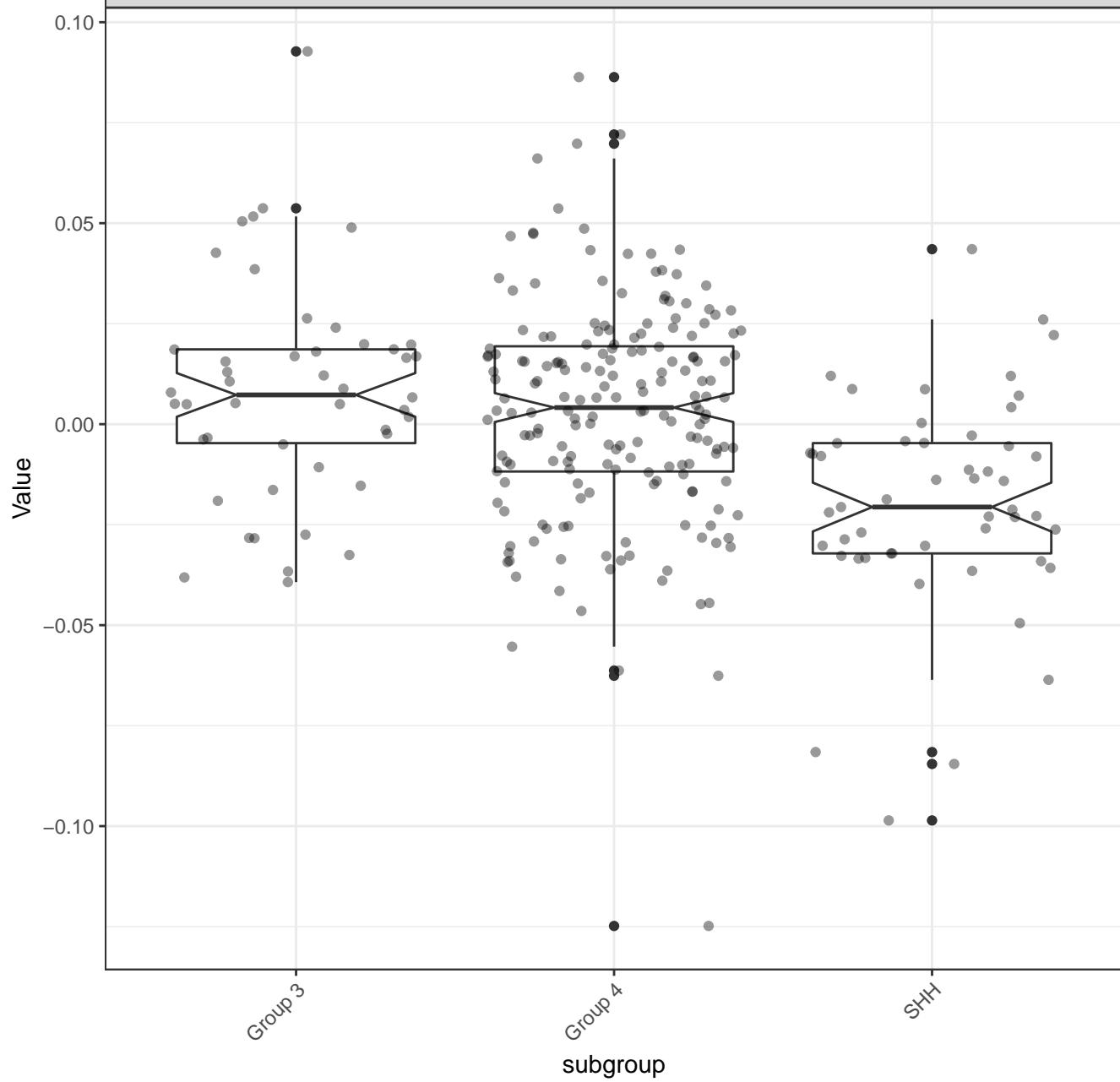
LV 806



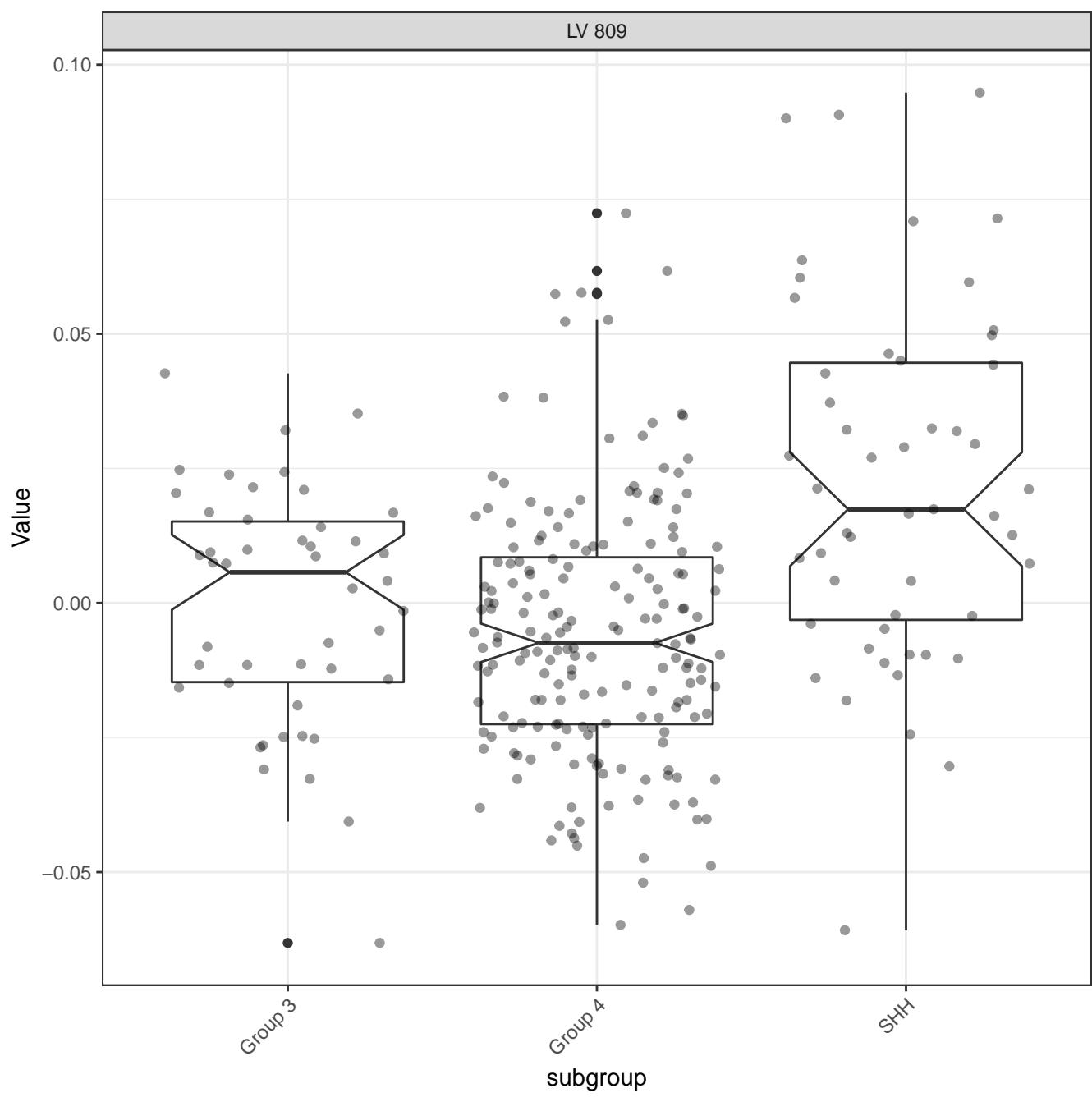
LV 807



LV 808



LV 809



LV 810

Value

0.05

0.00

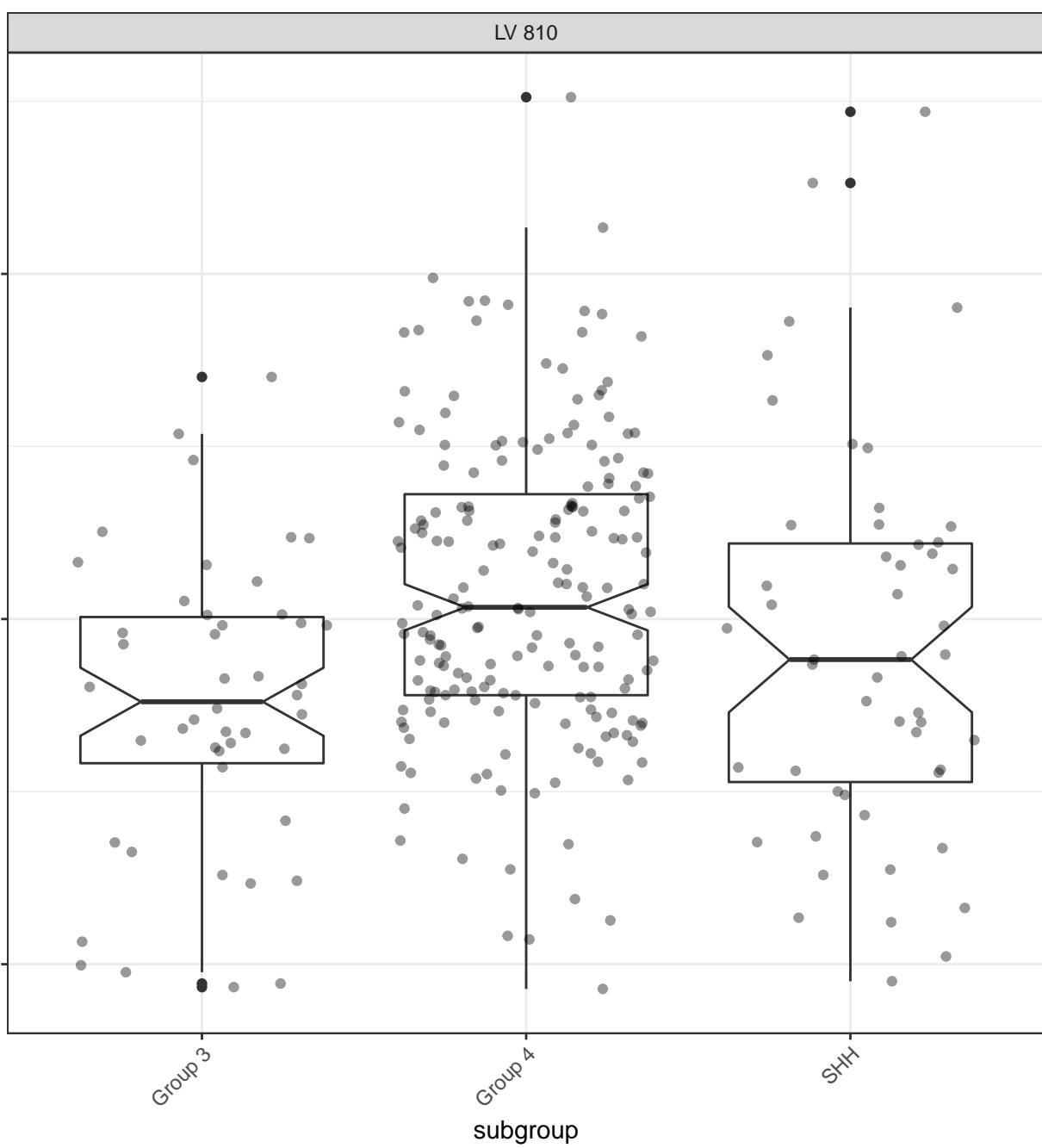
-0.05

Group 3

Group 4

SHH

subgroup



LV 811

Value

0.05

0.00

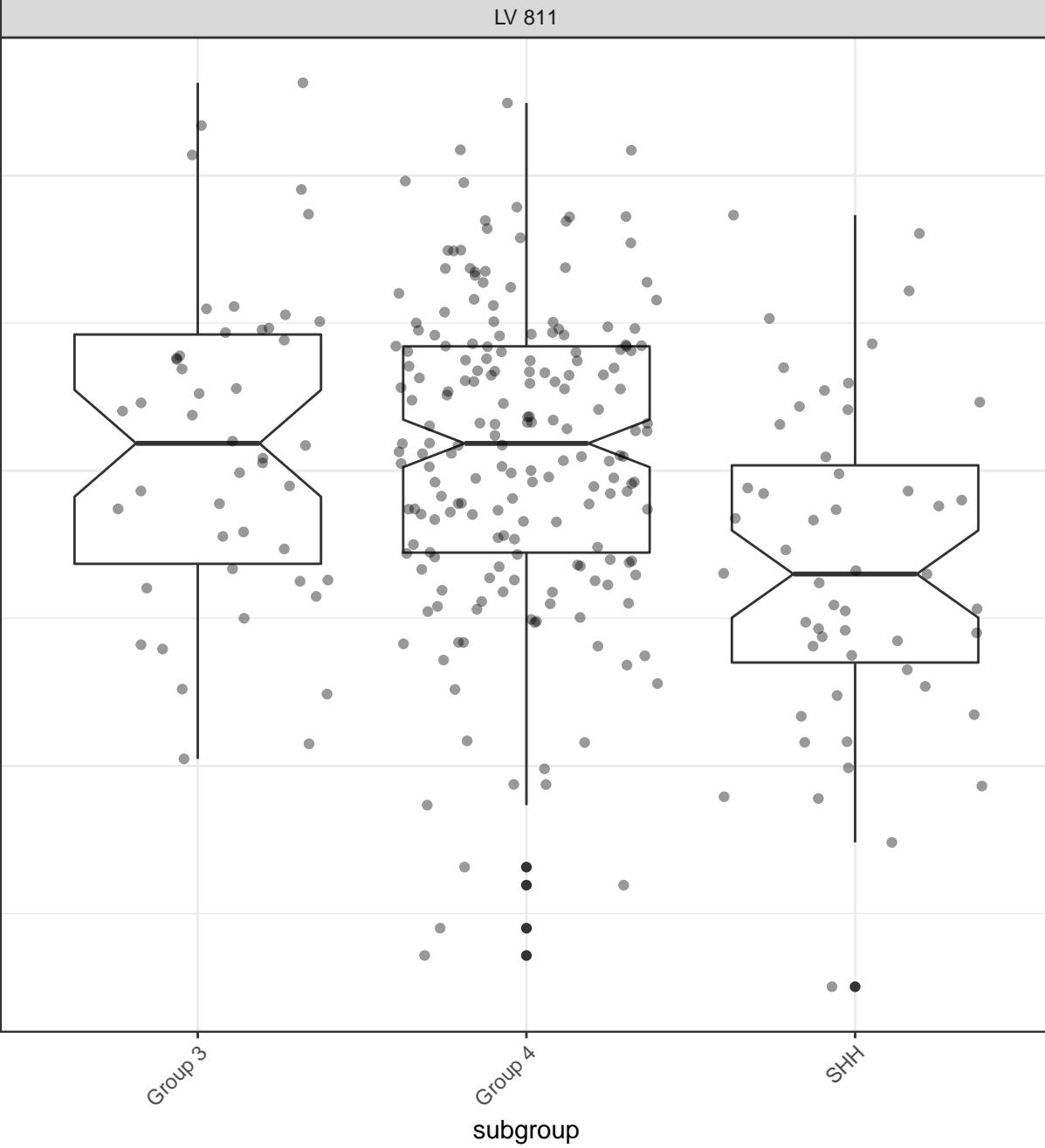
-0.05

Group 3

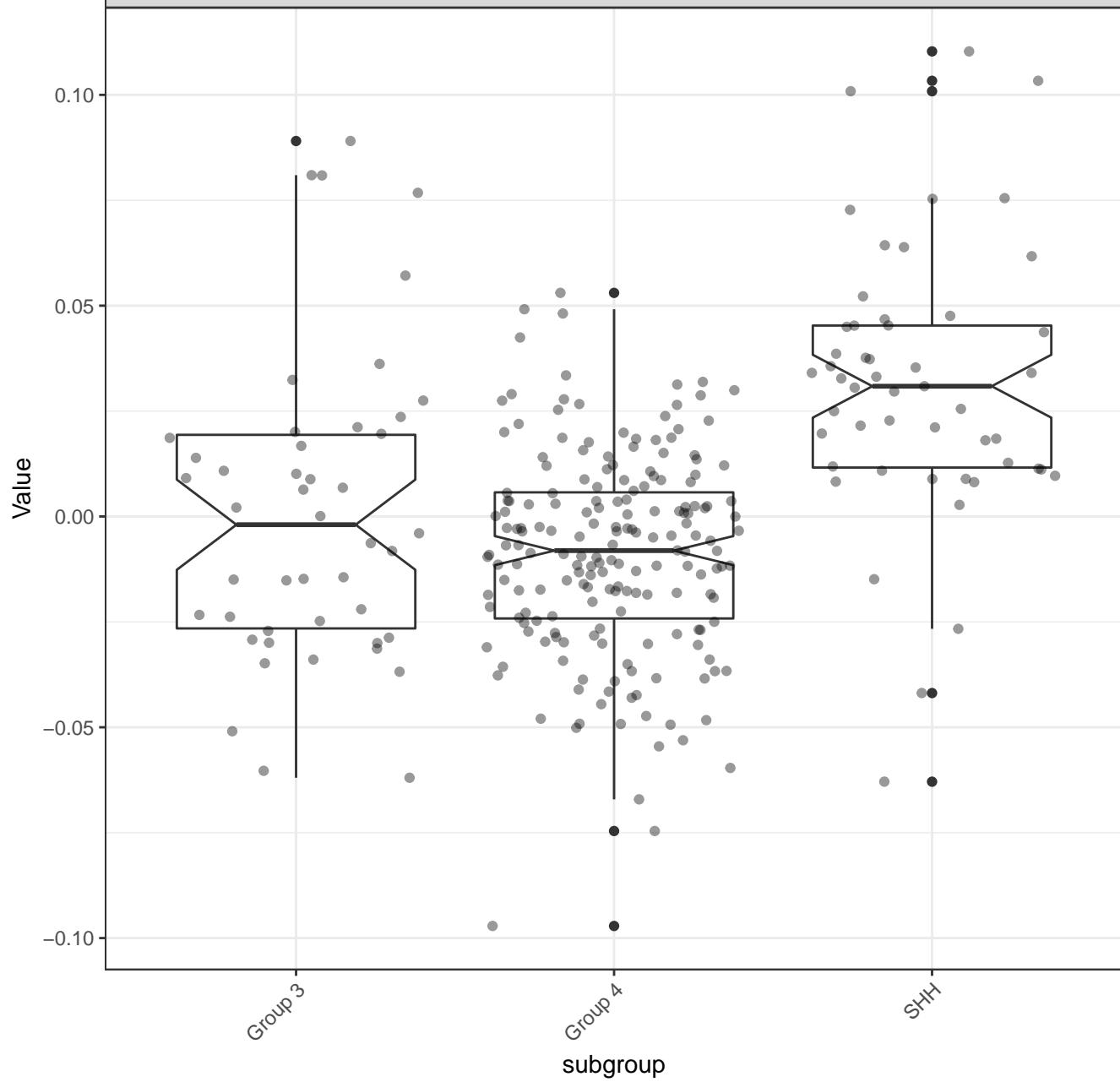
subgroup

Group 4

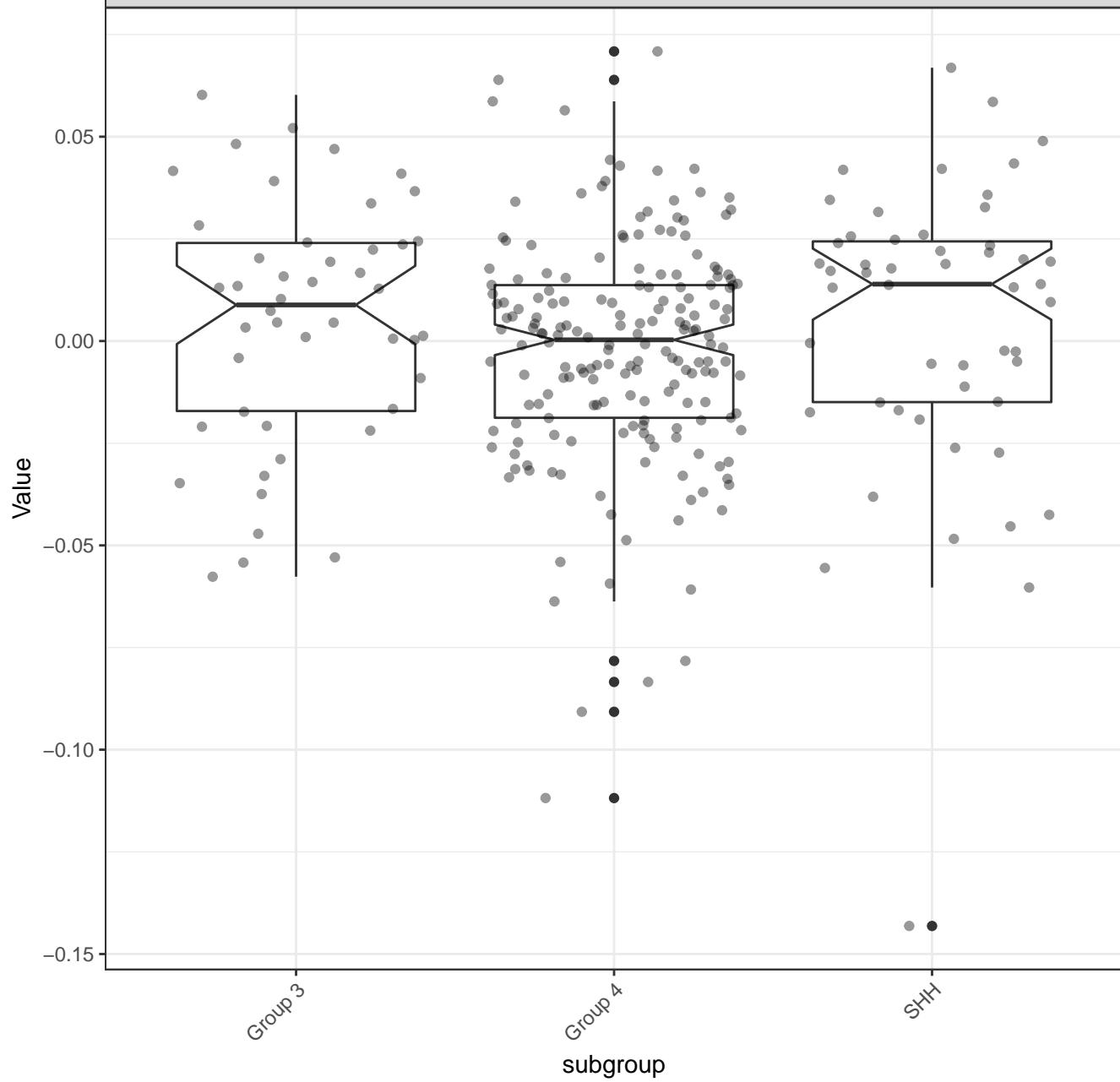
SHH

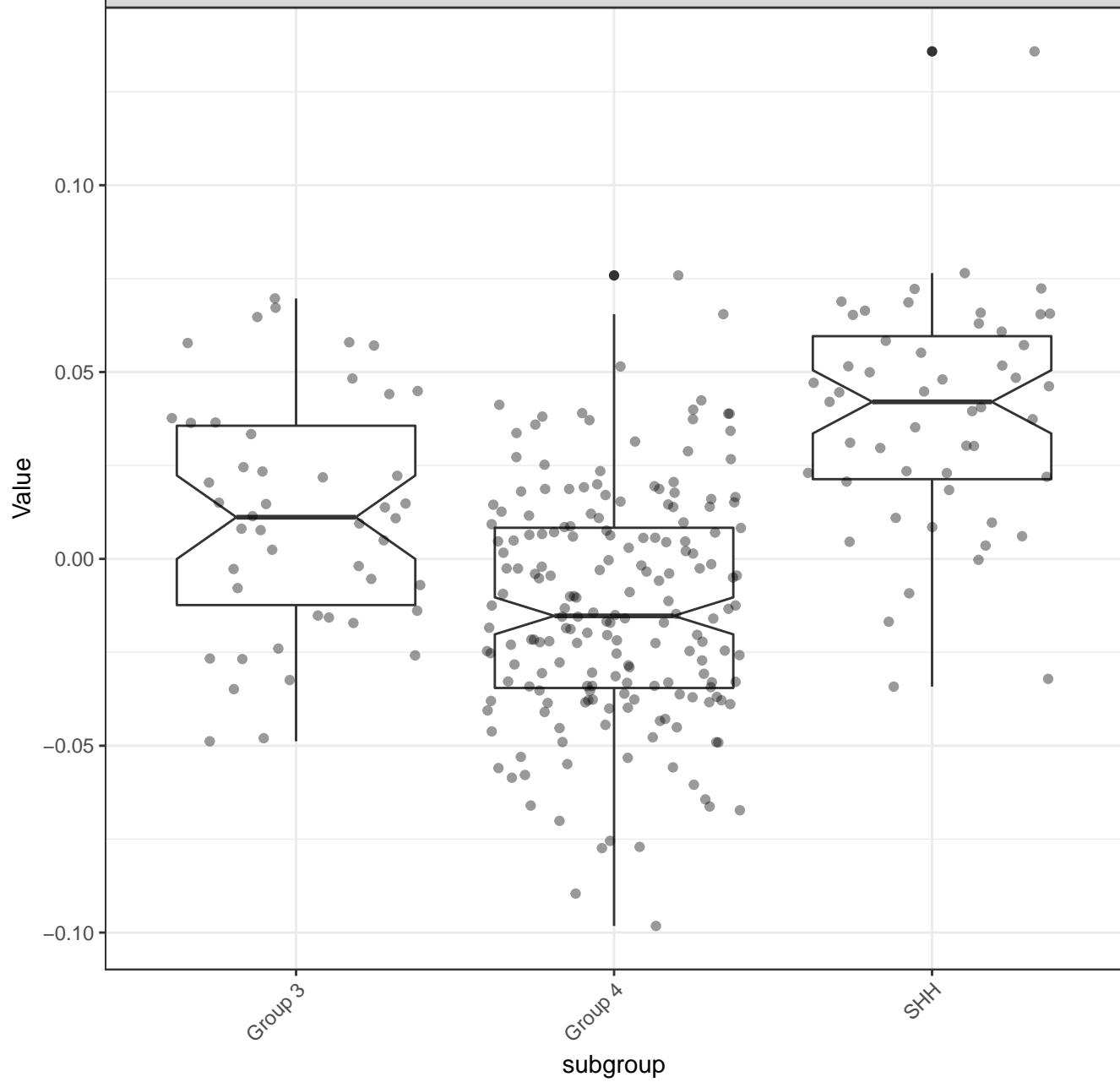


LV 812

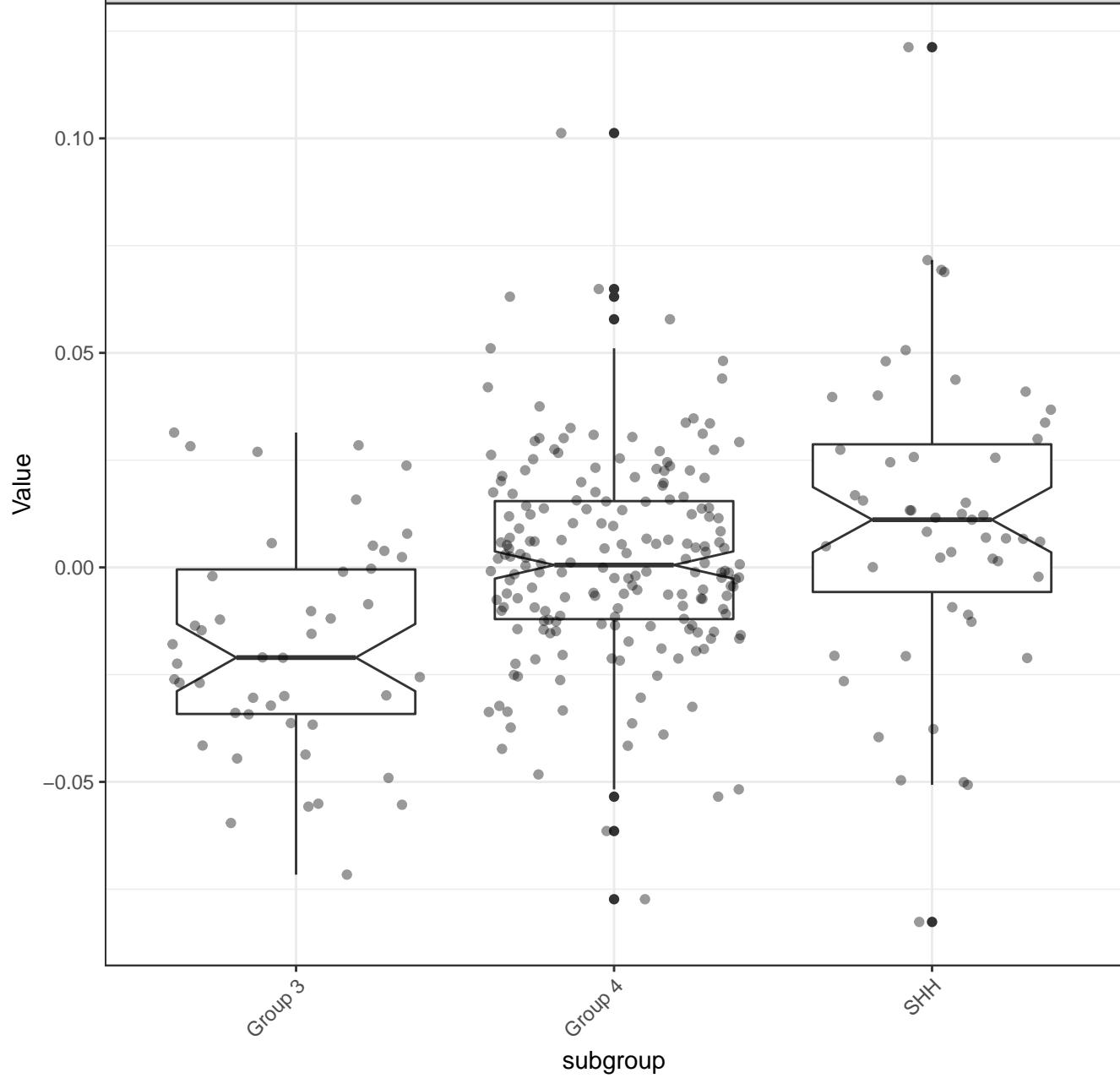


LV 813





LV 815



Value

0.4

0.2

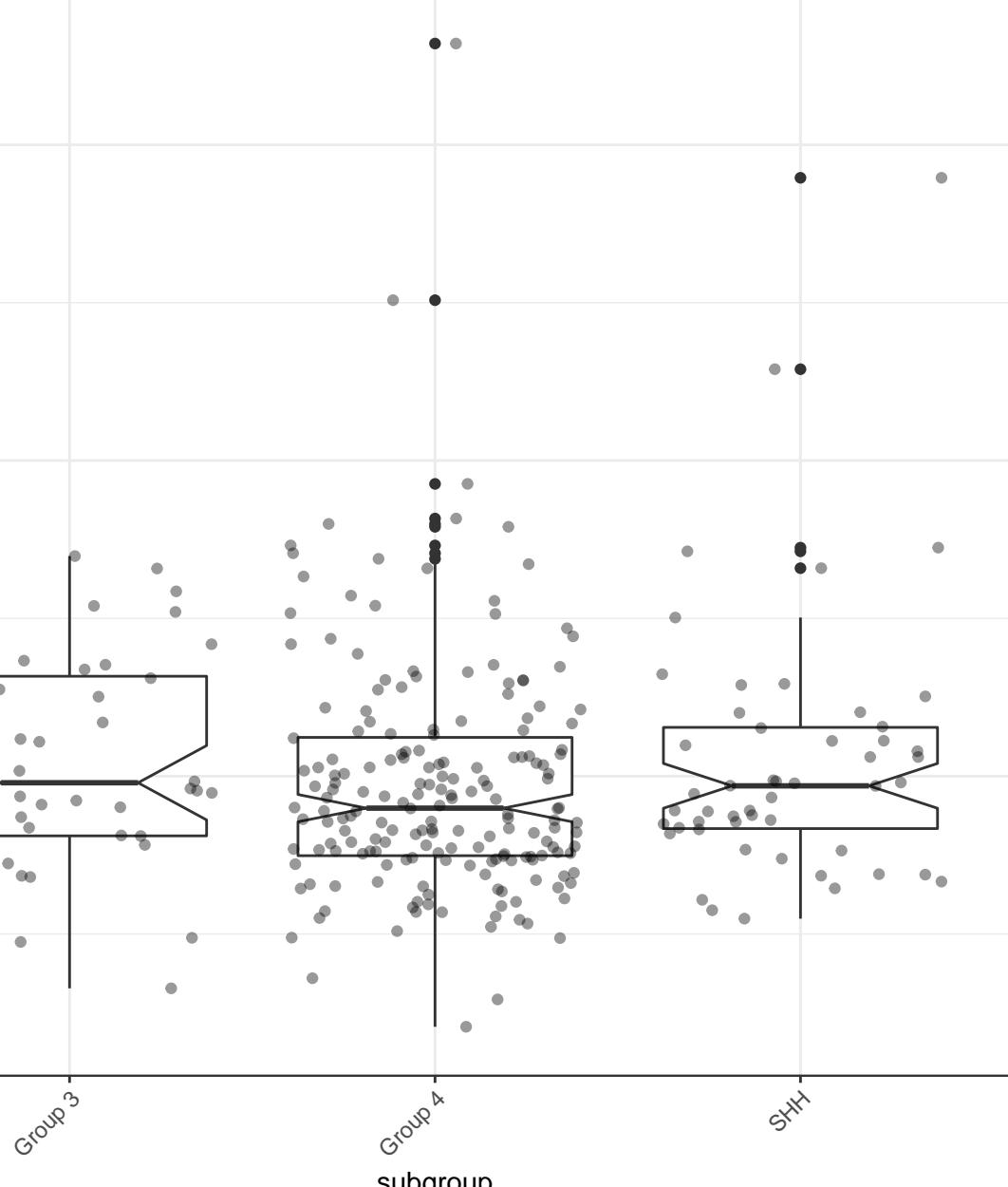
0.0

Group 3

Group 4

SHH

subgroup



LV 817

Vvalue

0.10

0.05

0.00

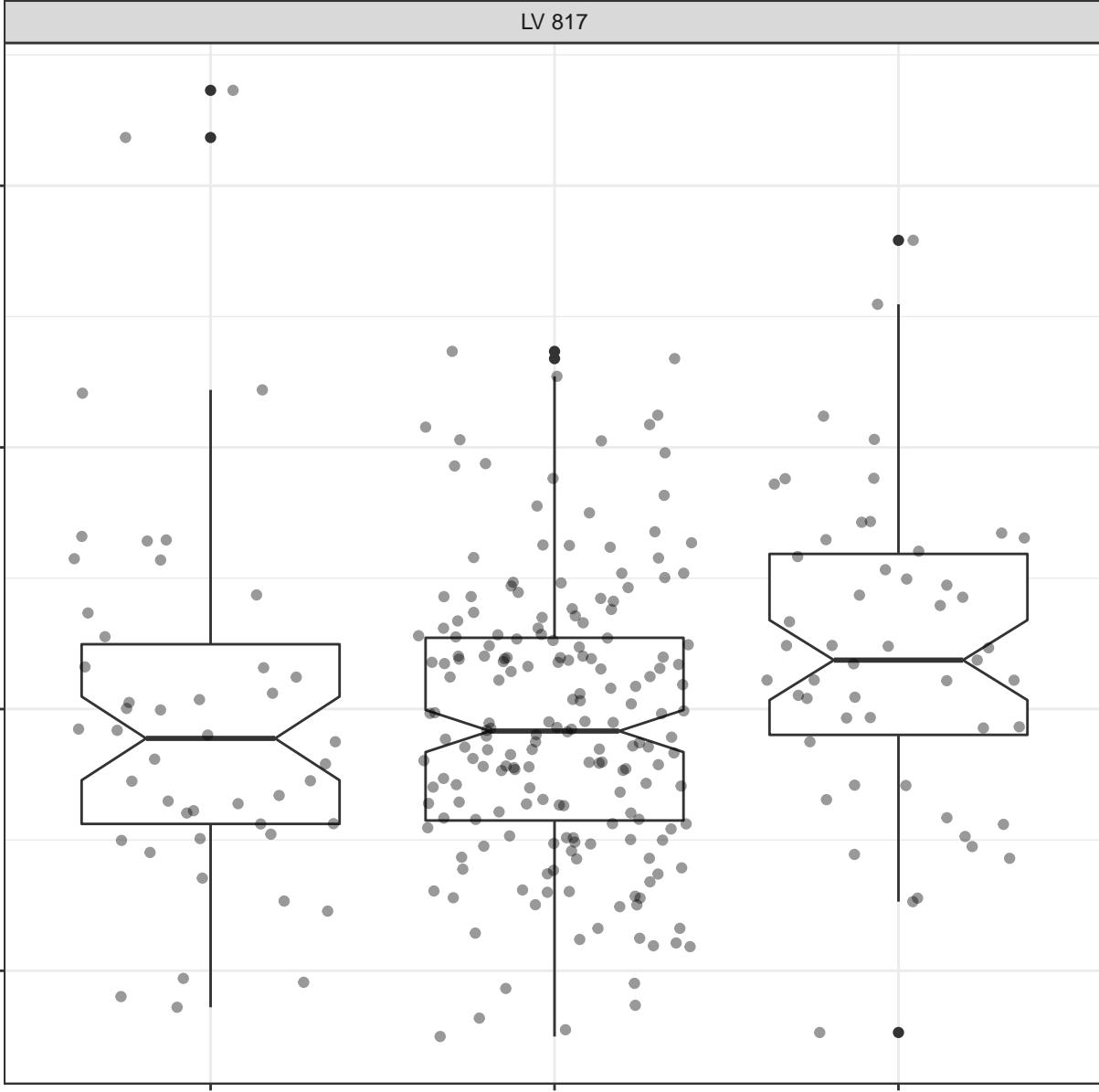
-0.05

Group 3

subgroup

Group 4

SHH



LV 818

Value

0.05

0.00

-0.05

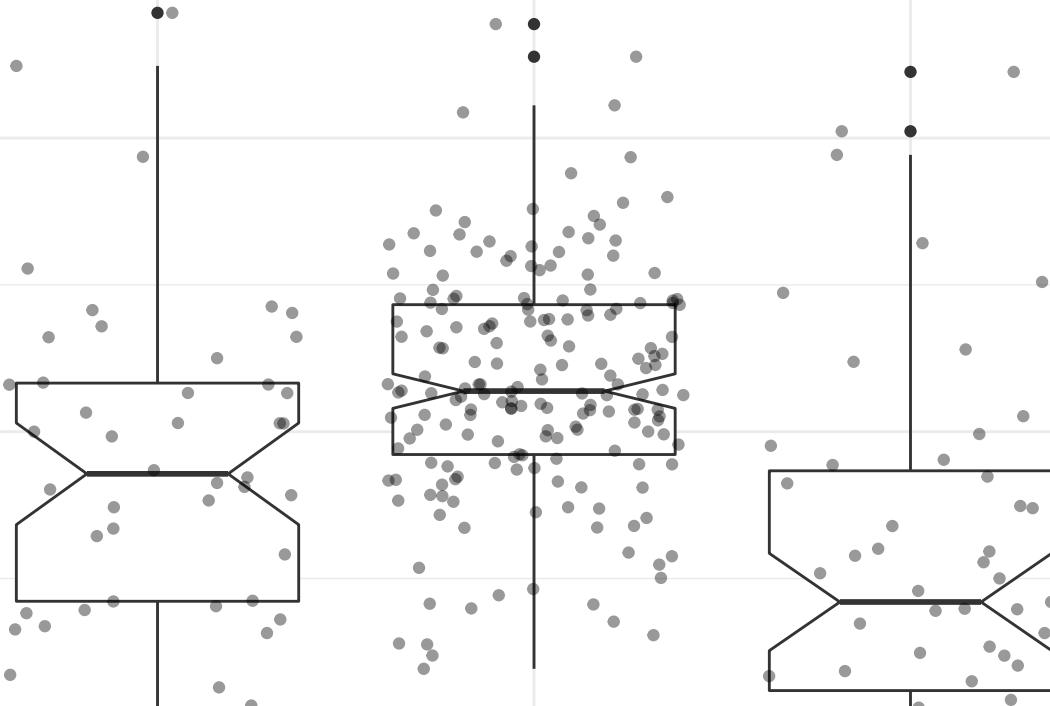
-0.10

Group 3

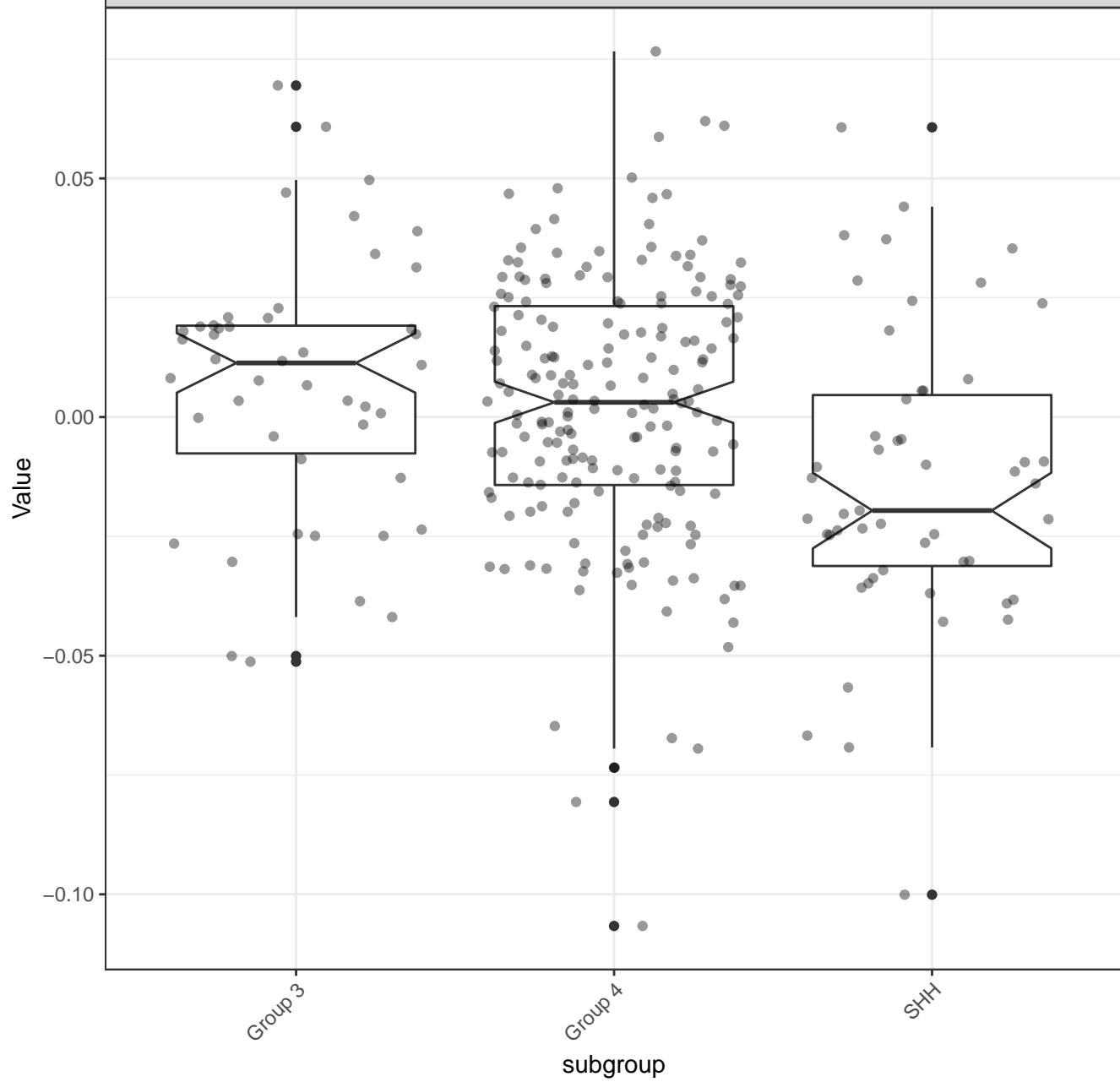
Group 4

SHH

subgroup



LV 819



LV 820

Value

0.10

0.05

0.00

-0.05

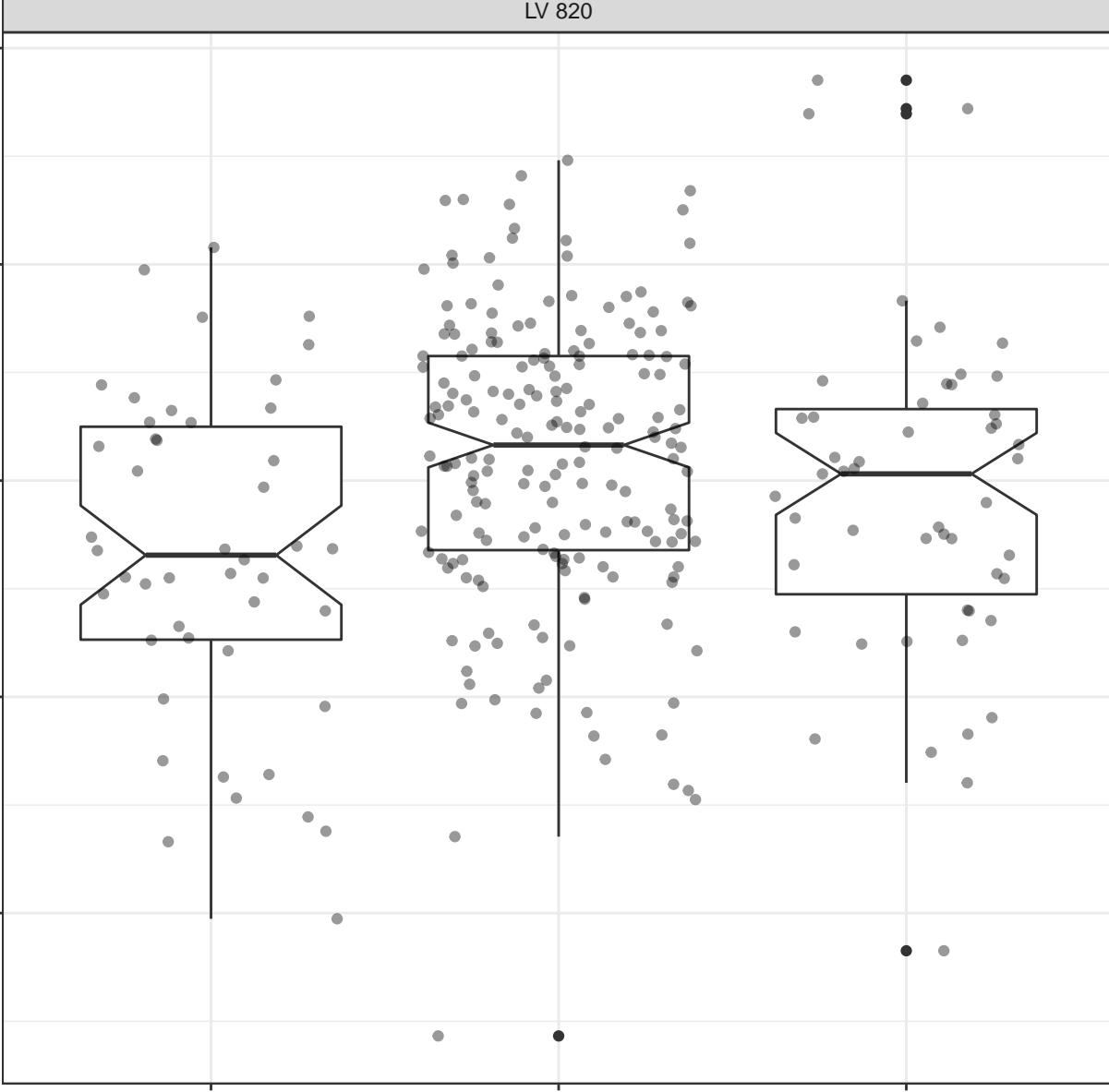
-0.10

Group 3

subgroup

Group 4

SHH



LV 821

Value

0.2

0.1

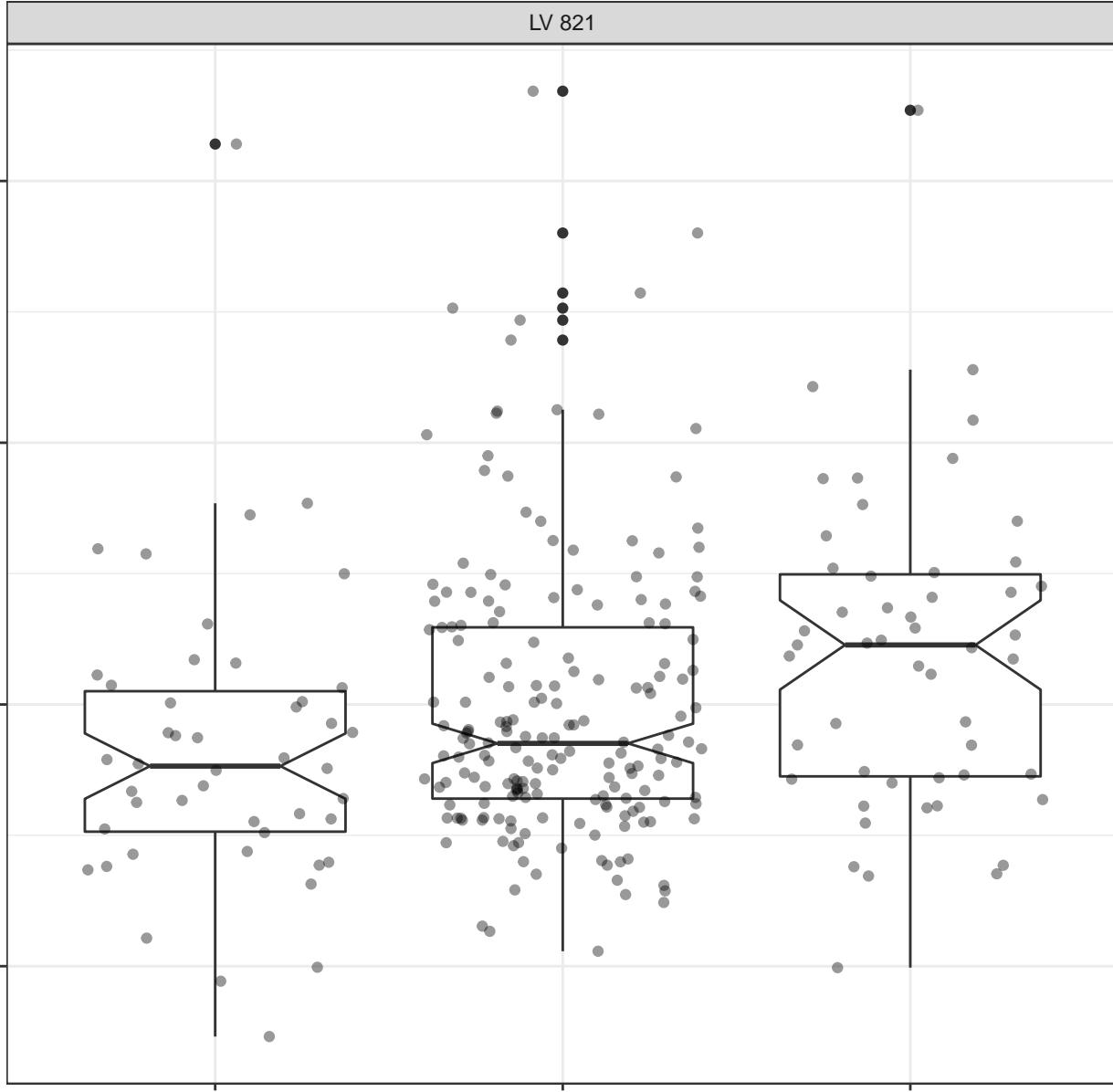
0.0

-0.1

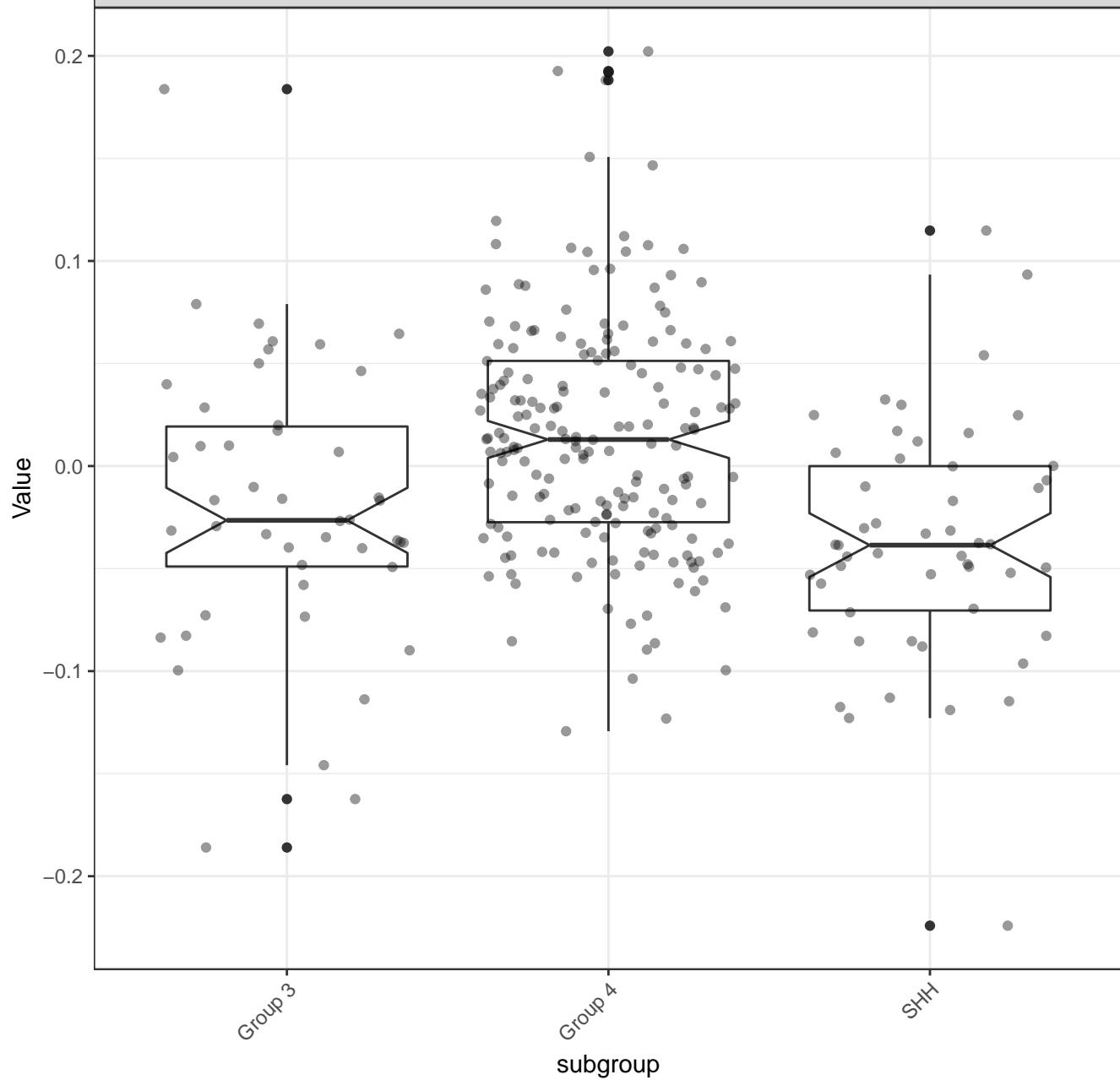
Group³Group⁴

SHH

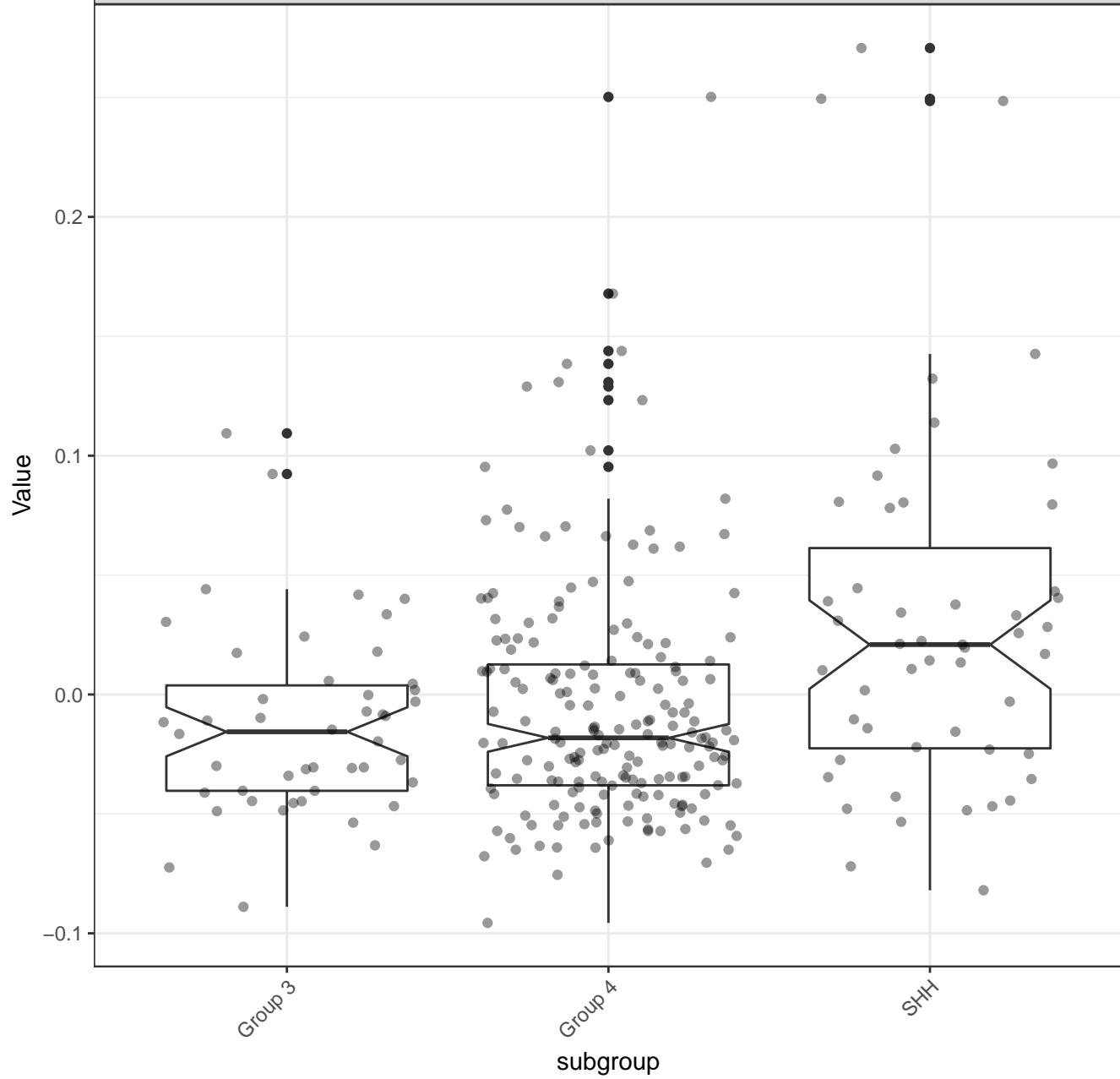
subgroup



LV 822



823,SVM T cells CD4 memory resting



LV 824

Value

0.10

0.05

0.00

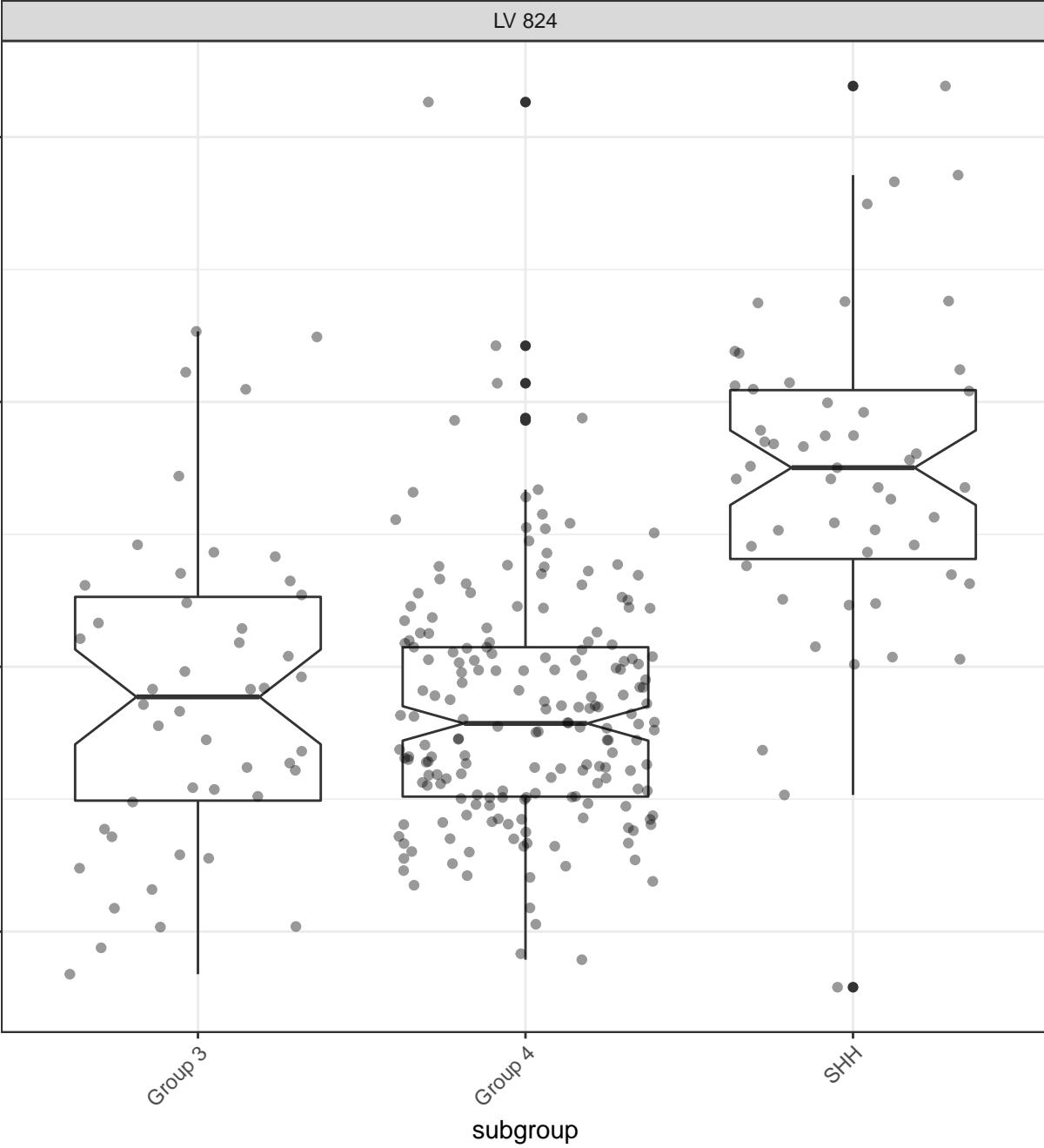
-0.05

Group 3

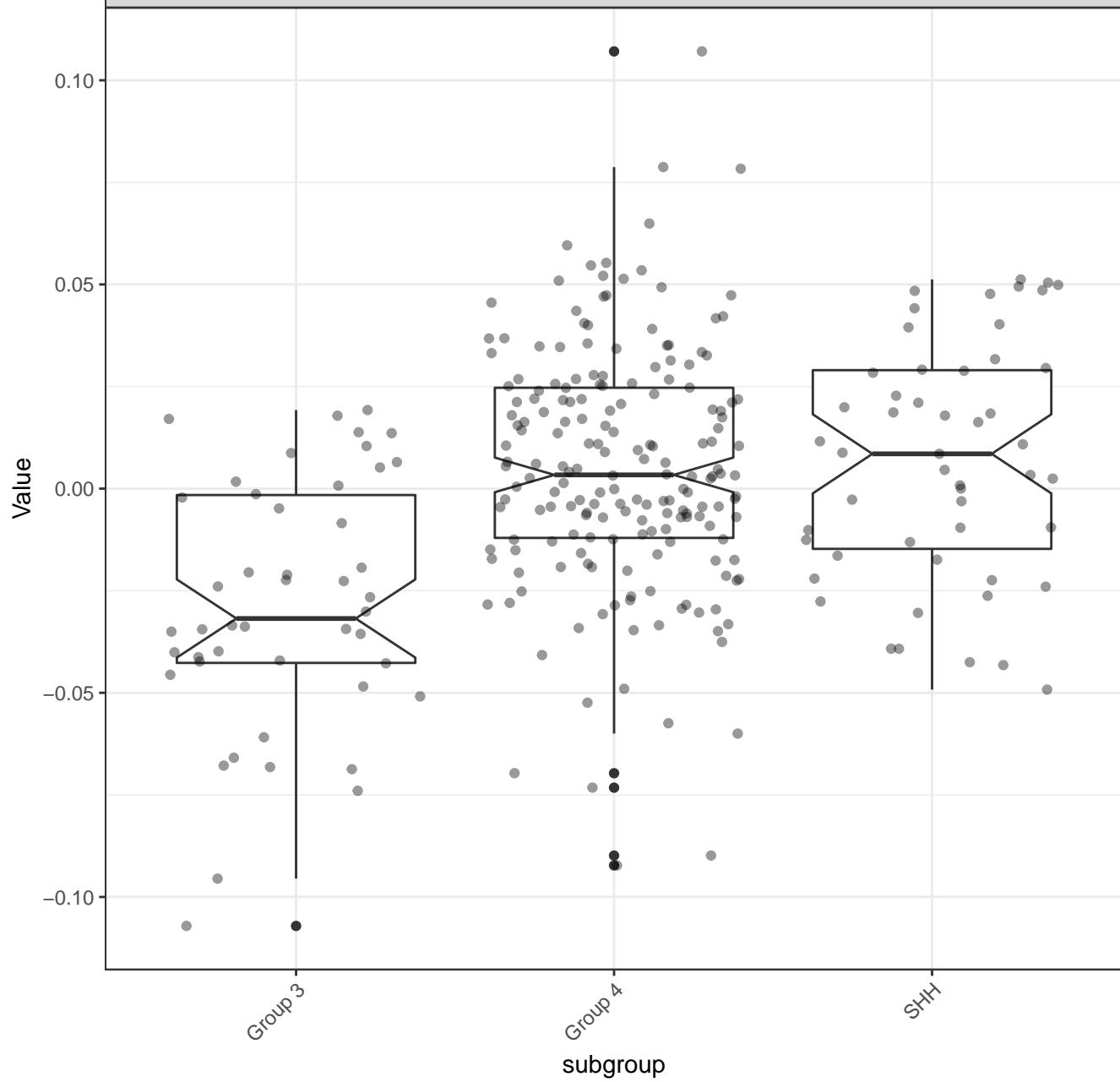
subgroup

Group 4

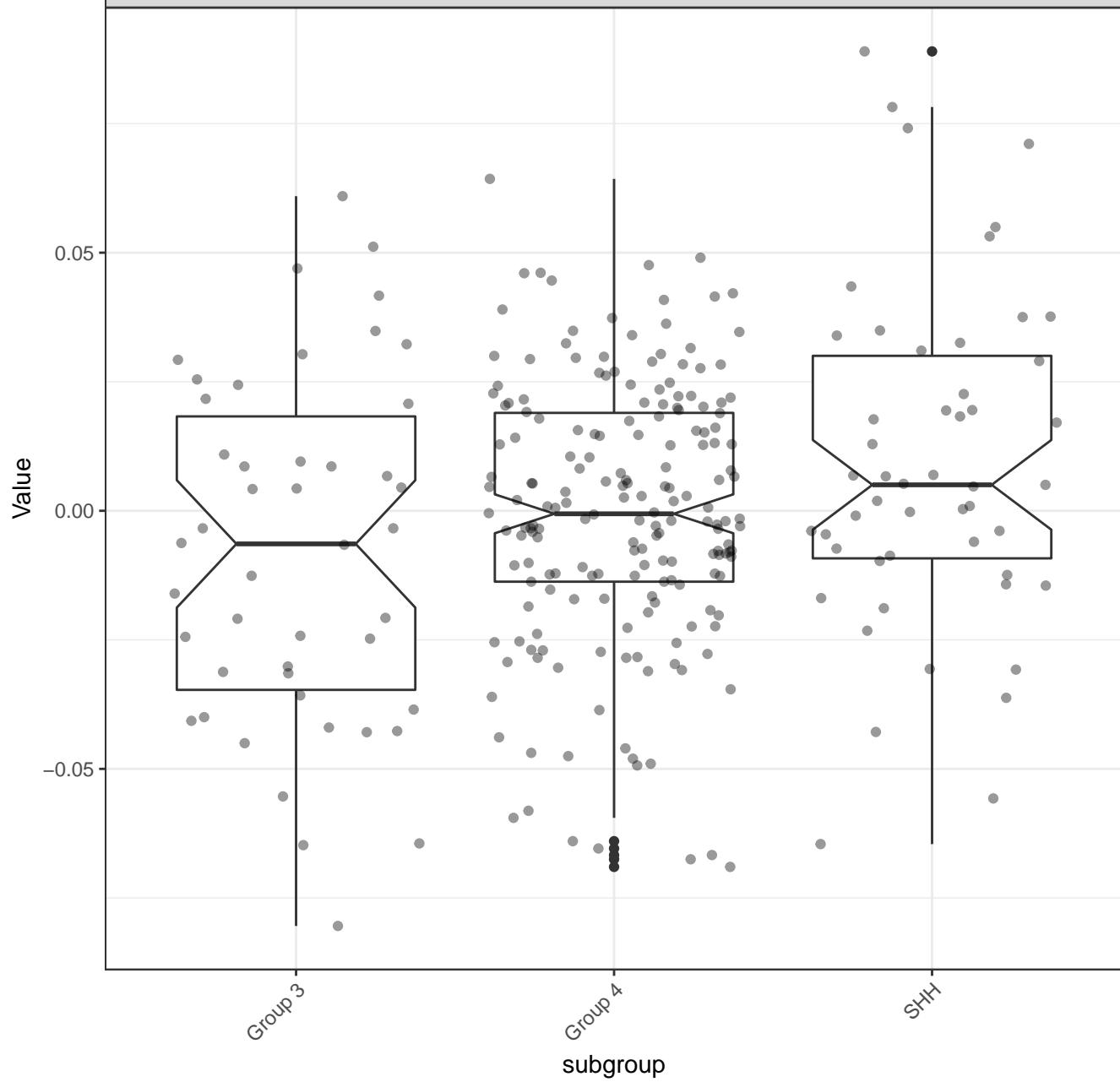
SHH



LV 825



LV 826



827,KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY

Value

0.2

0.1

0.0

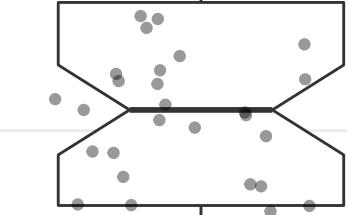
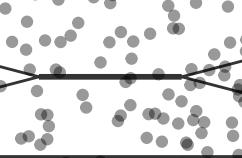
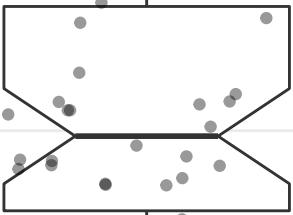
-0.1

Group 3

Group 4

SHH

subgroup



LV 828

Value

0.2

0.1

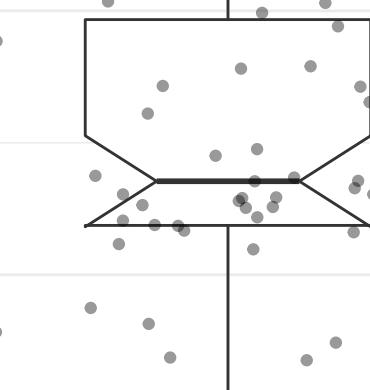
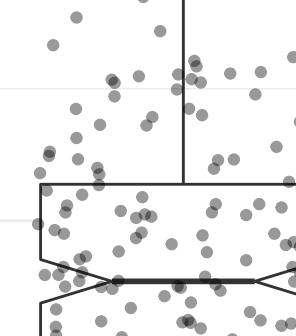
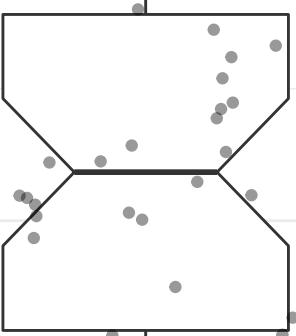
0.0

-0.1

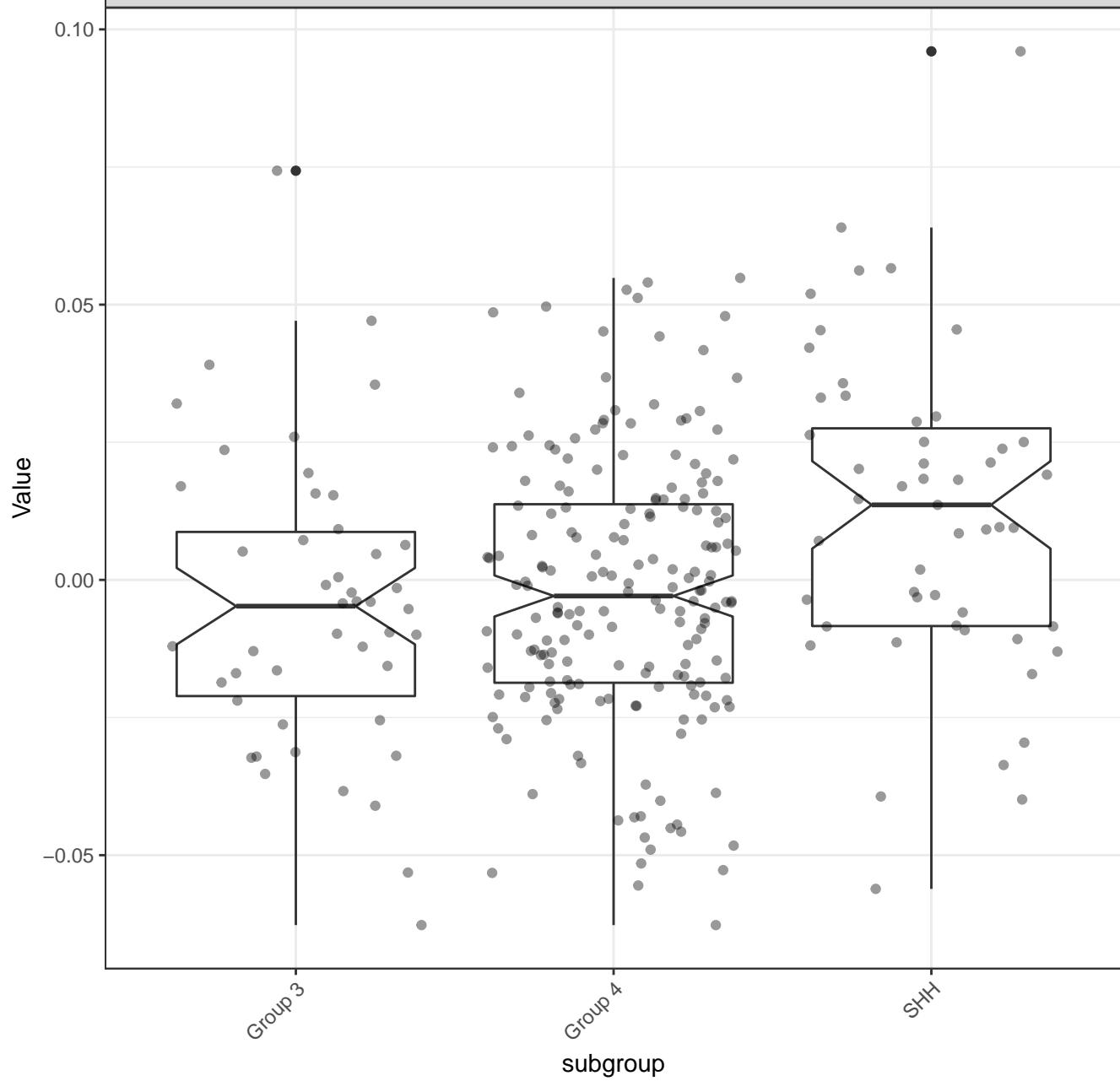
Group³Group⁴

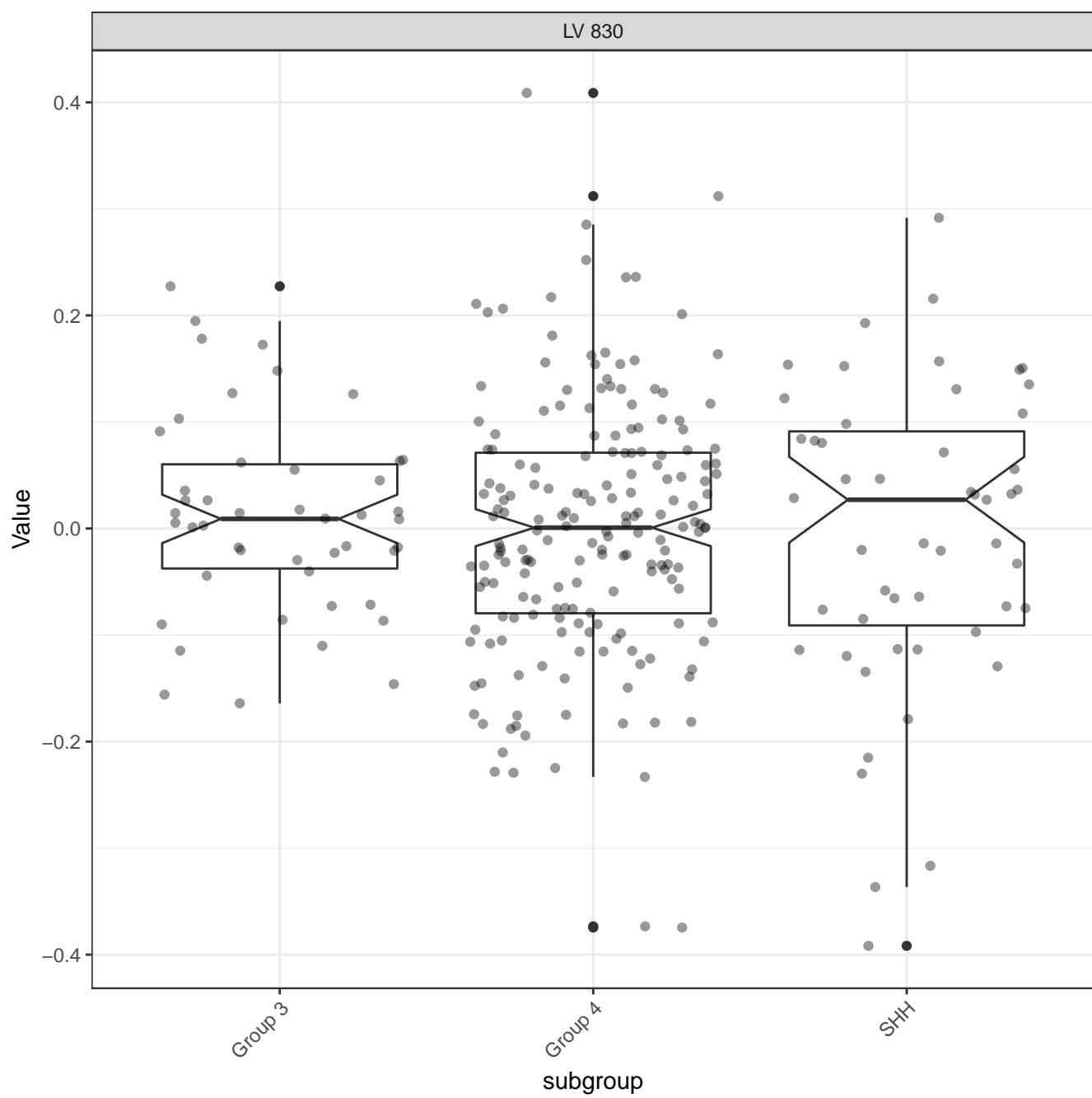
SHH

subgroup

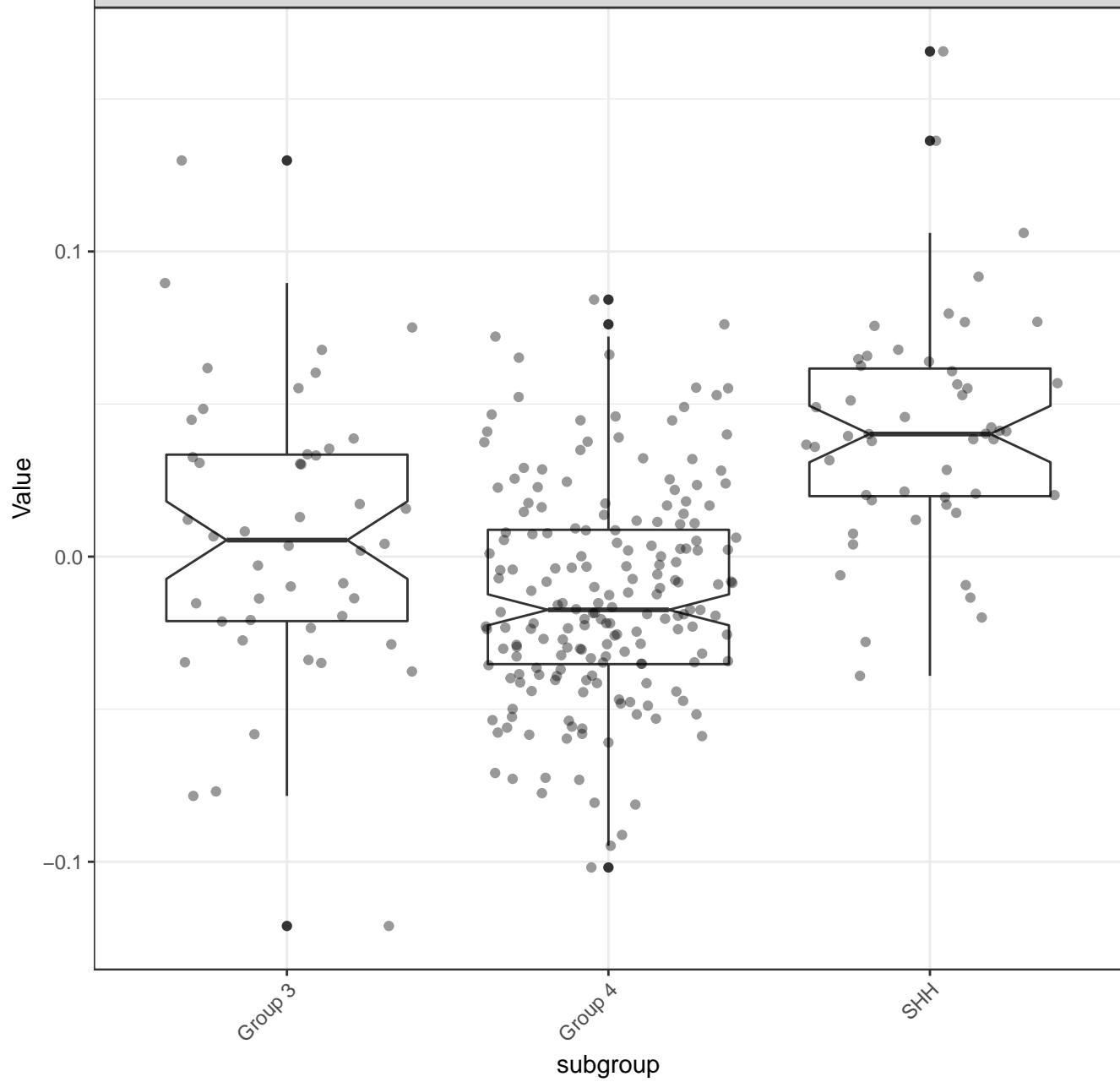


LV 829

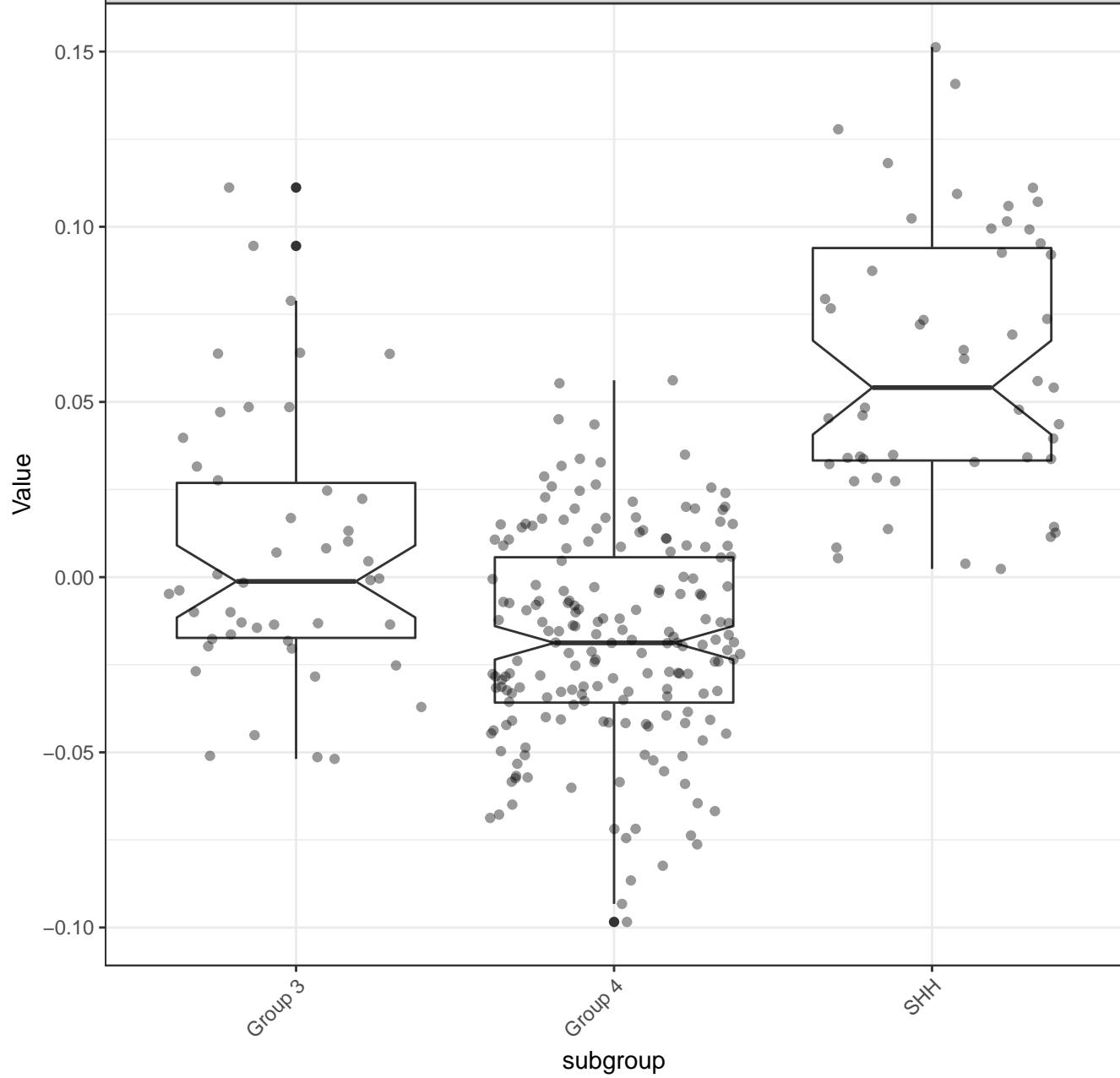




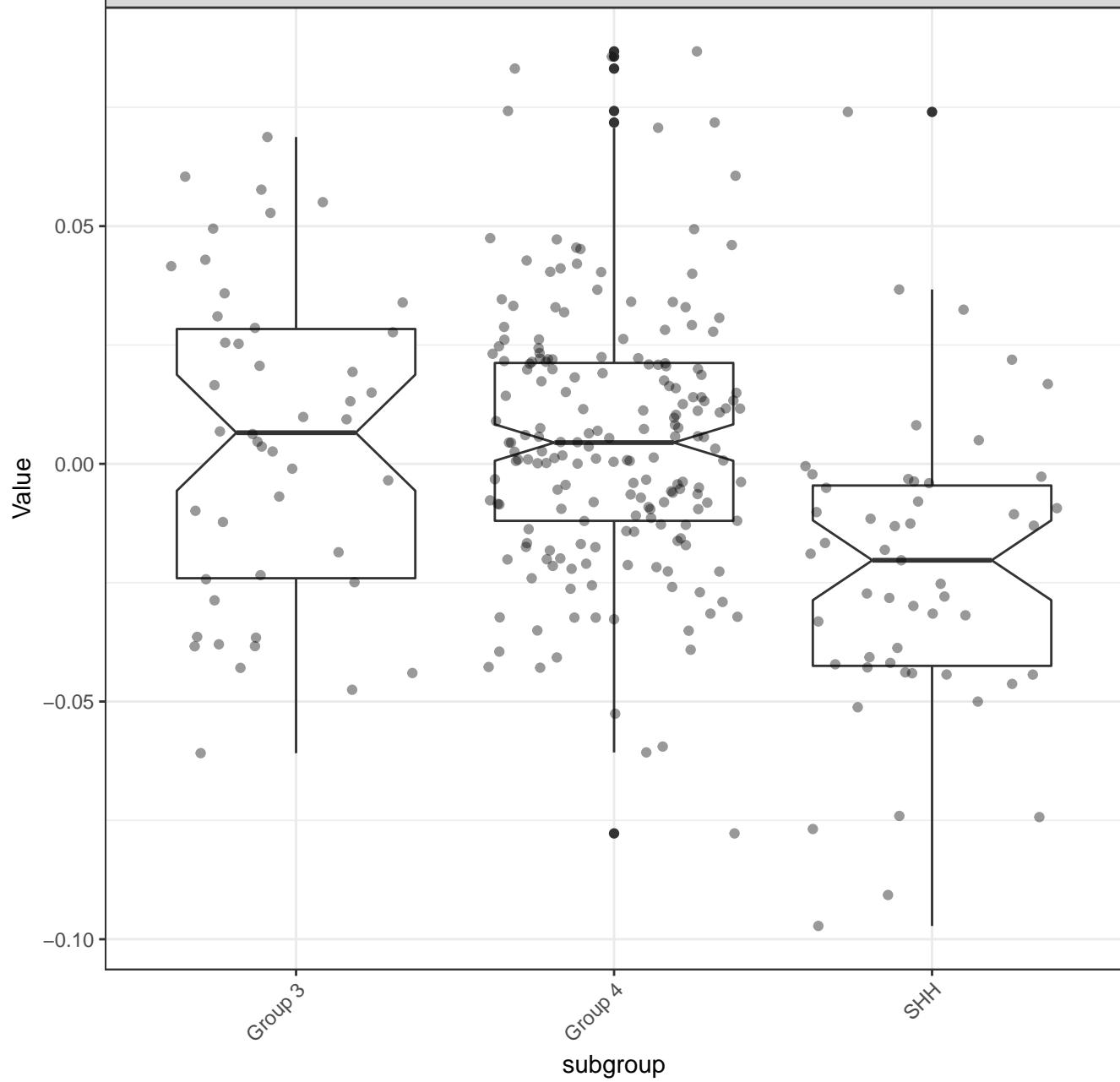
LV 831



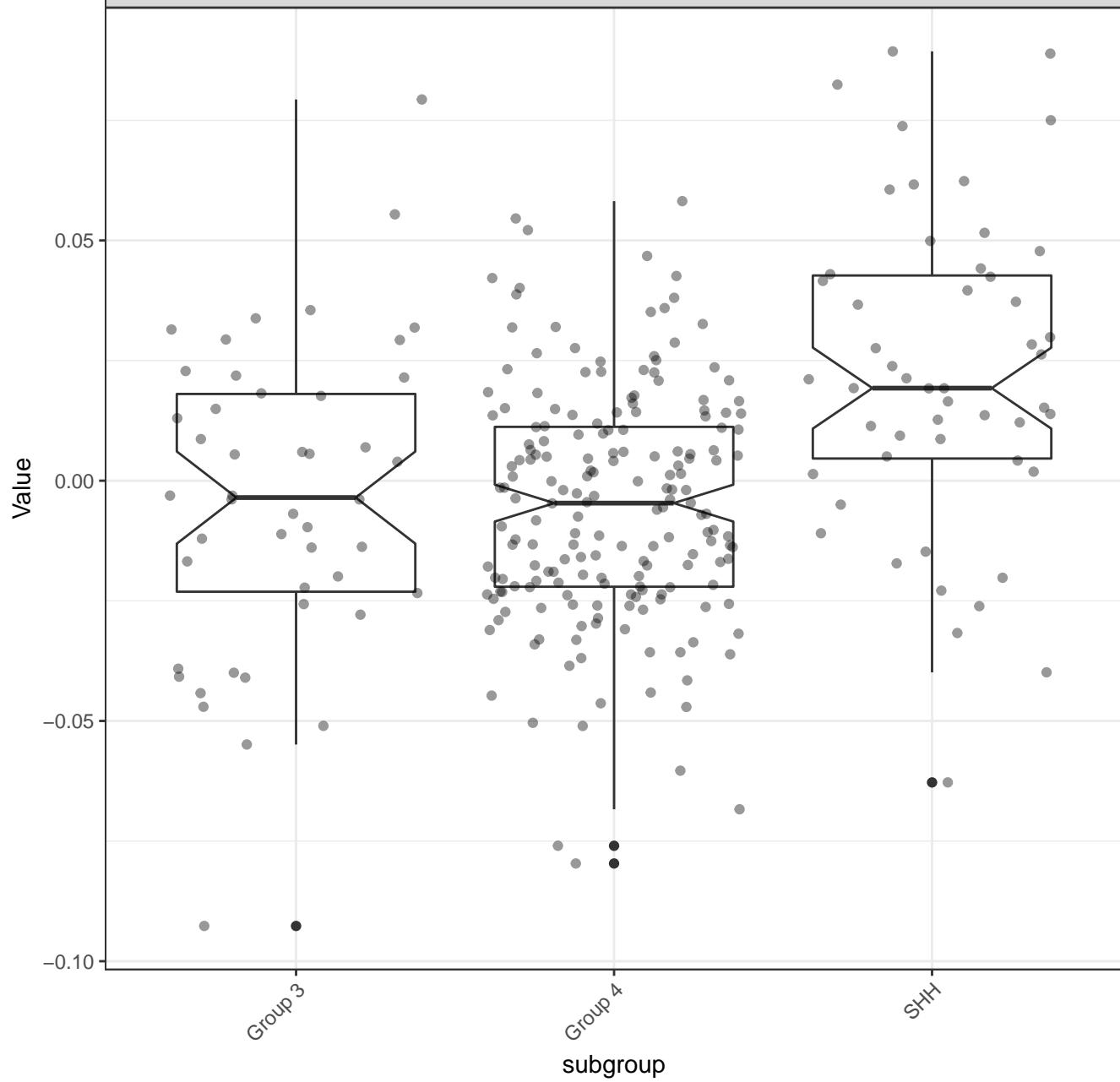
832,KEGG_CYSTEINE_AND_METHIONINE_METABOLISM



LV 833



LV 834



LV 835

Value

0.2

0.1

0.0

-0.1

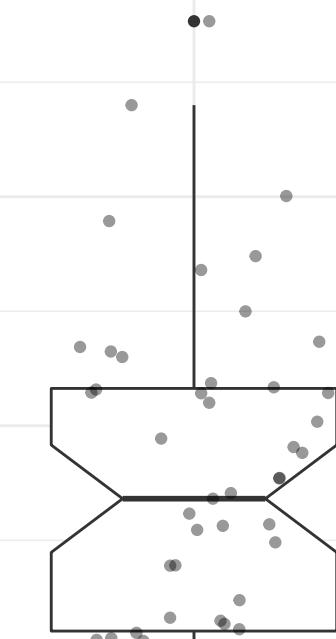
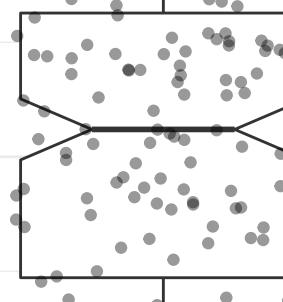
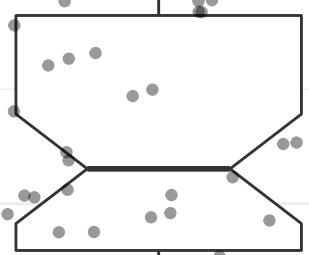
-0.2

Group 3

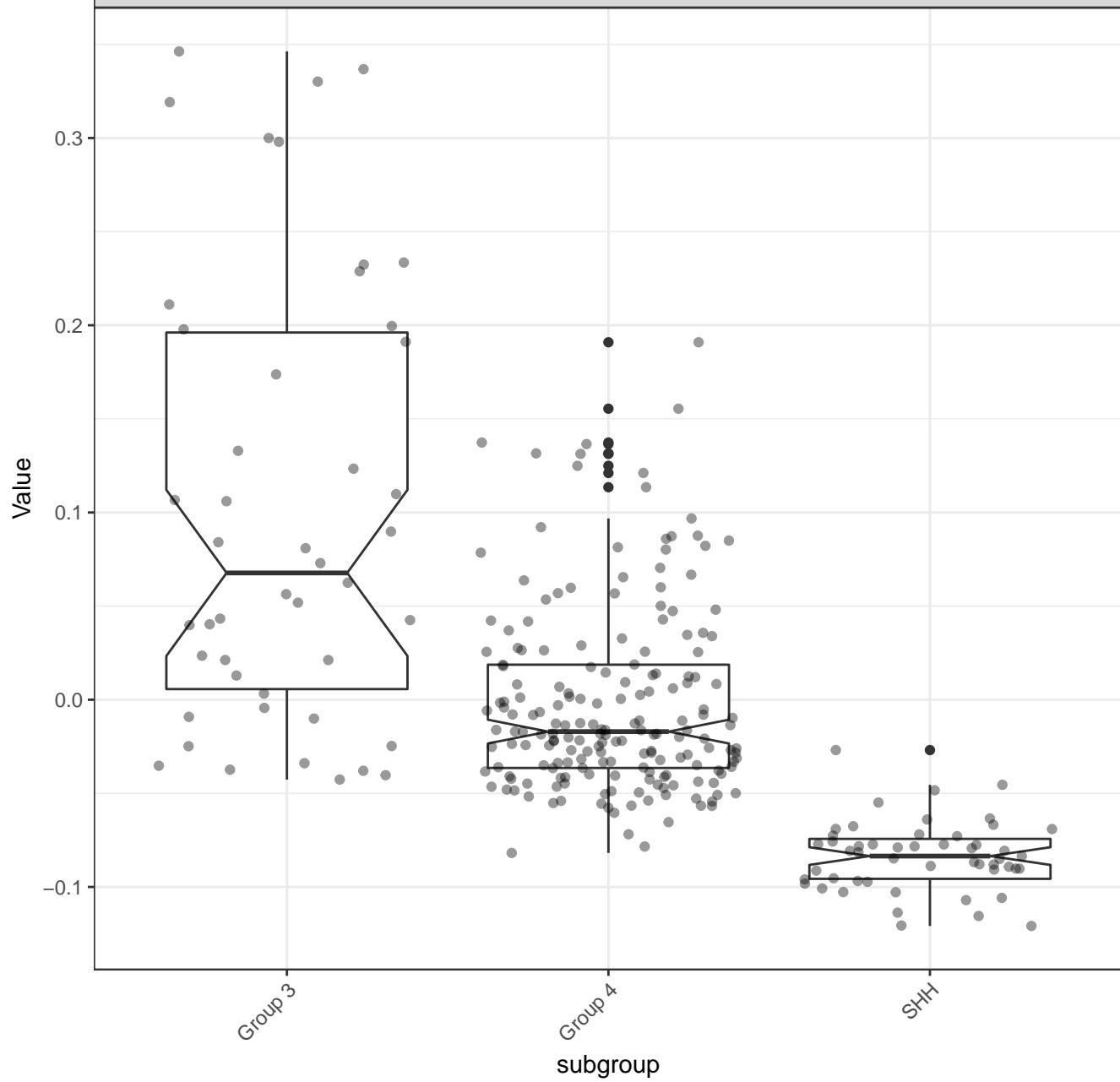
Group 4

SHH

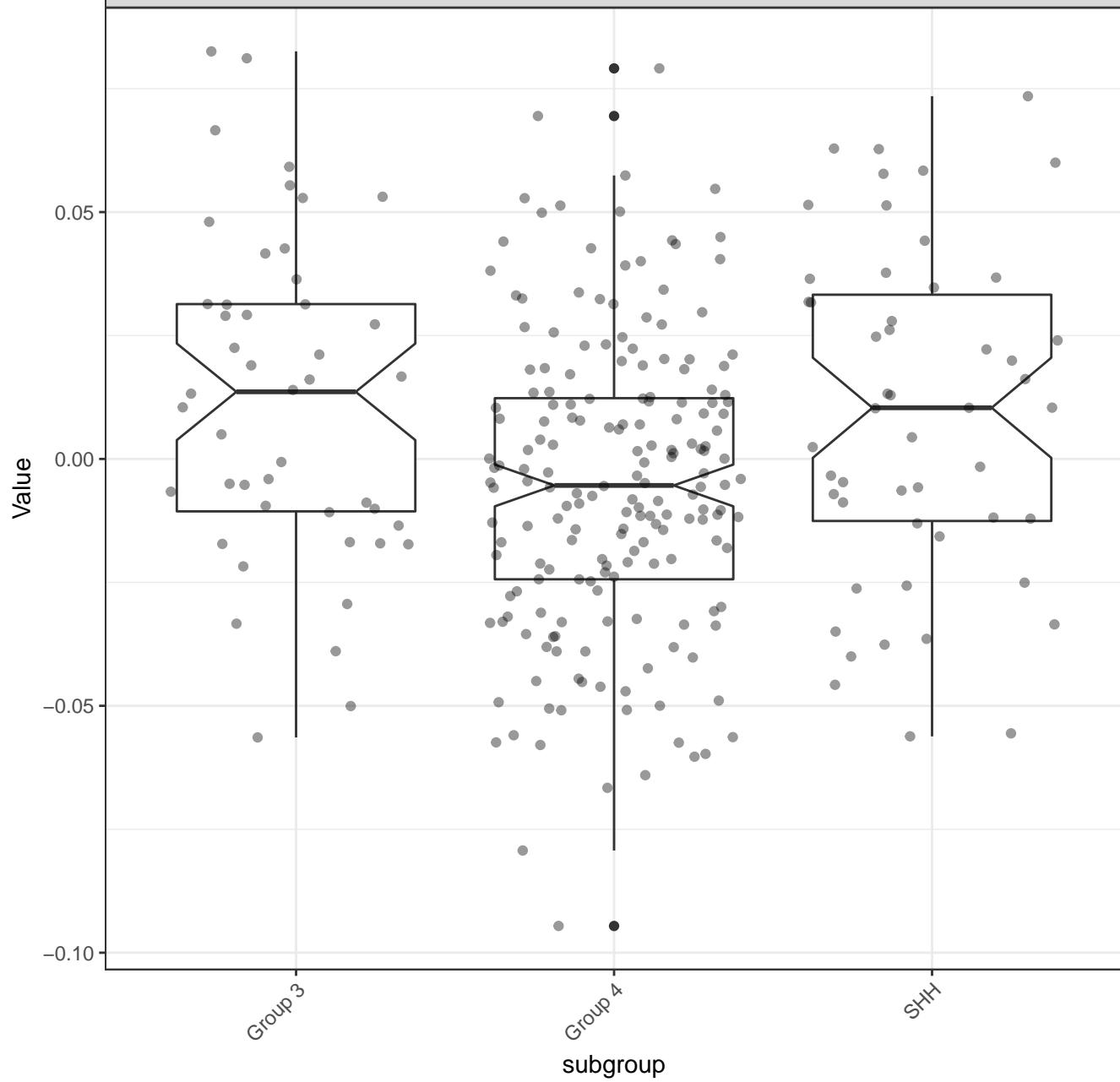
subgroup



LV 836



LV 837

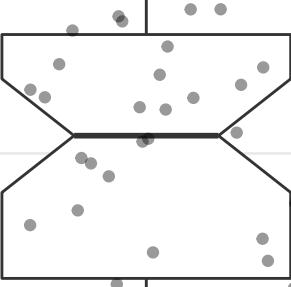


LV 838

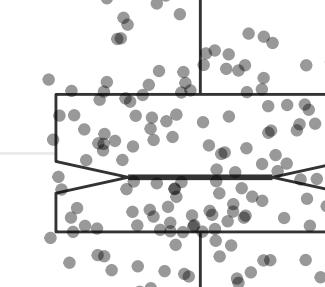
Value

0.1

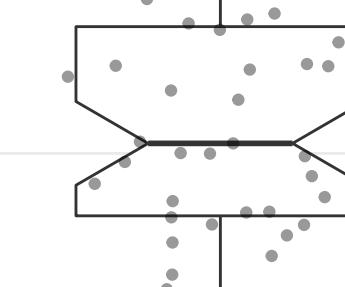
0.0



Group 3



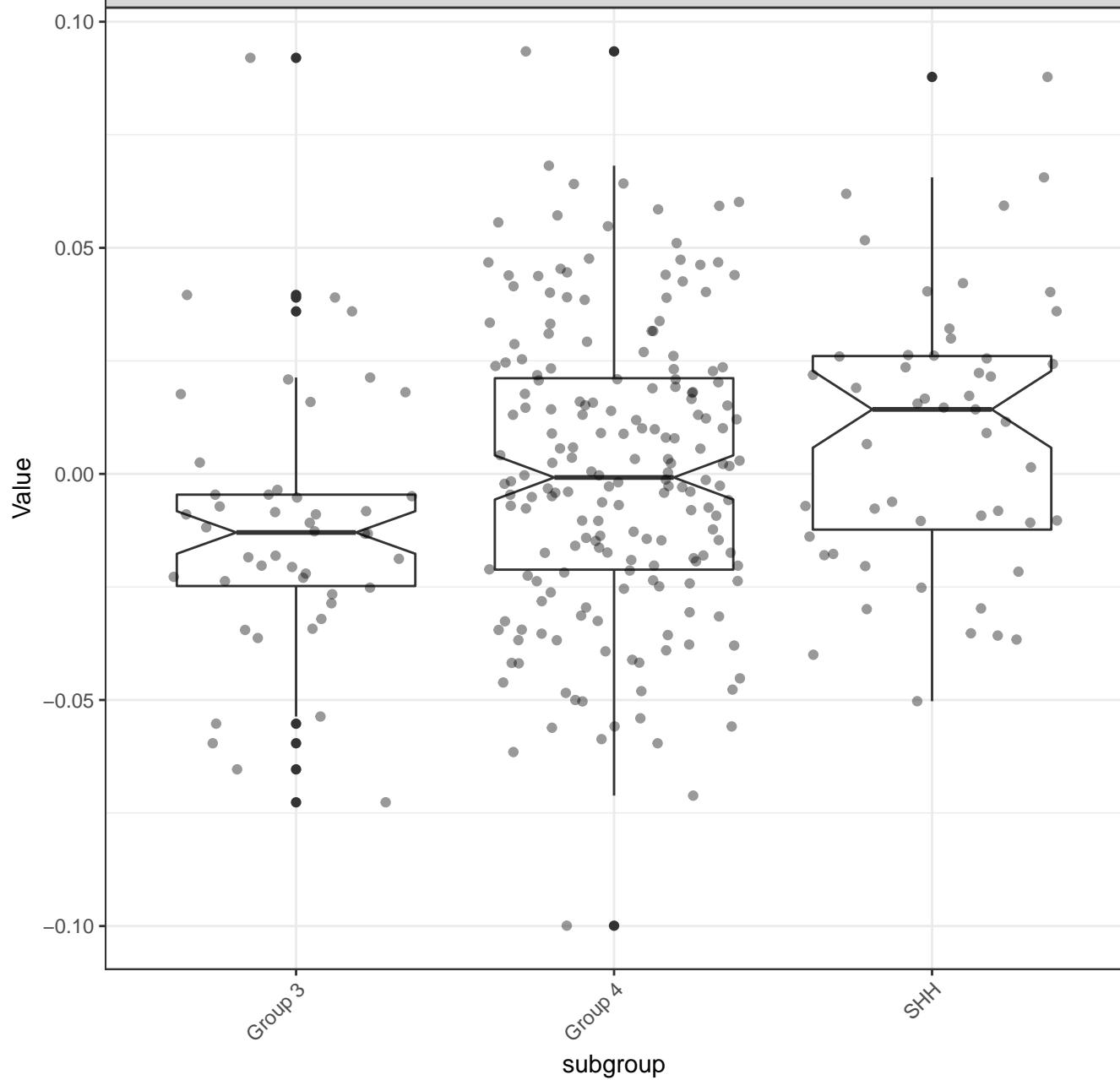
Group 4



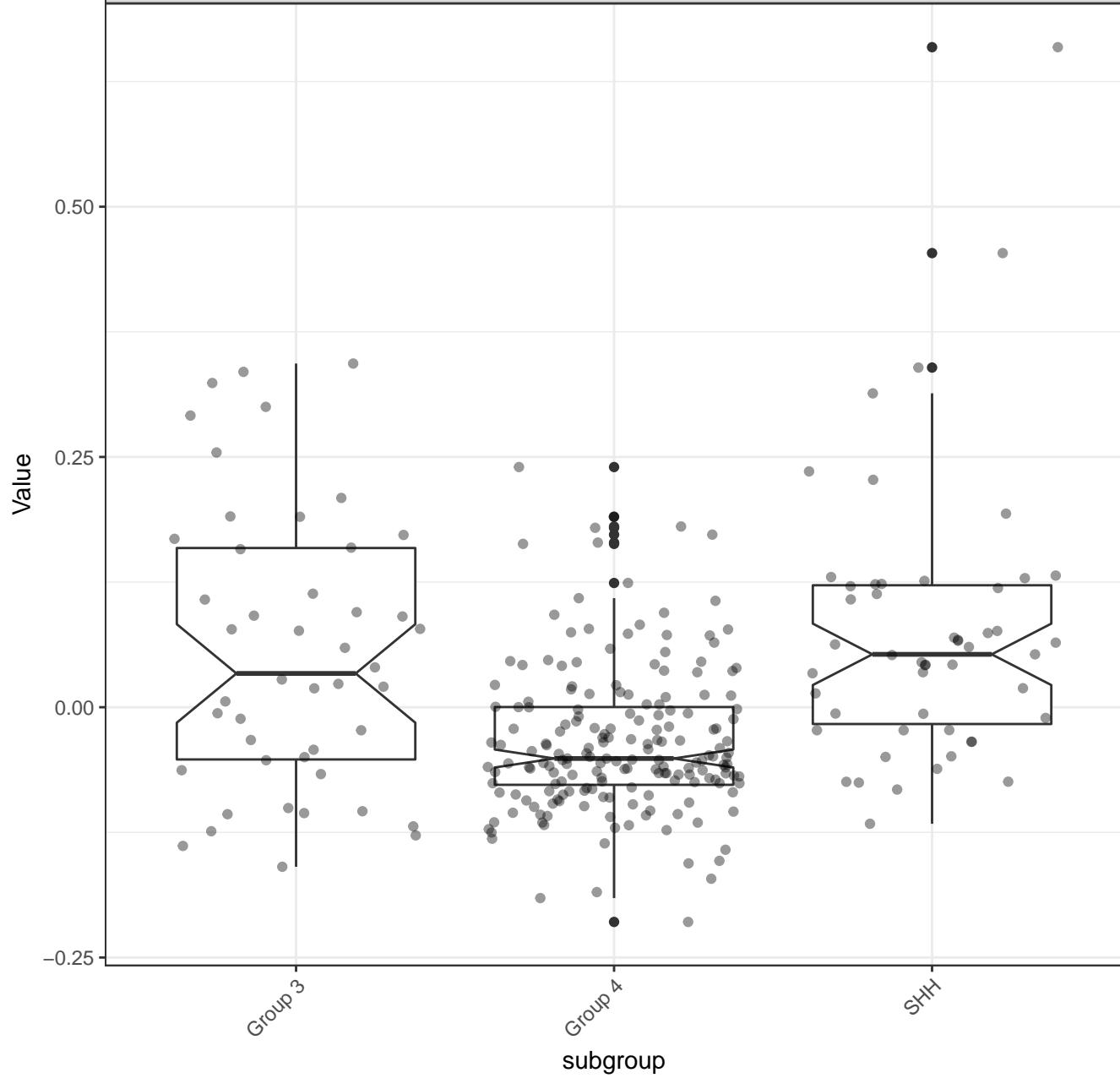
SHH

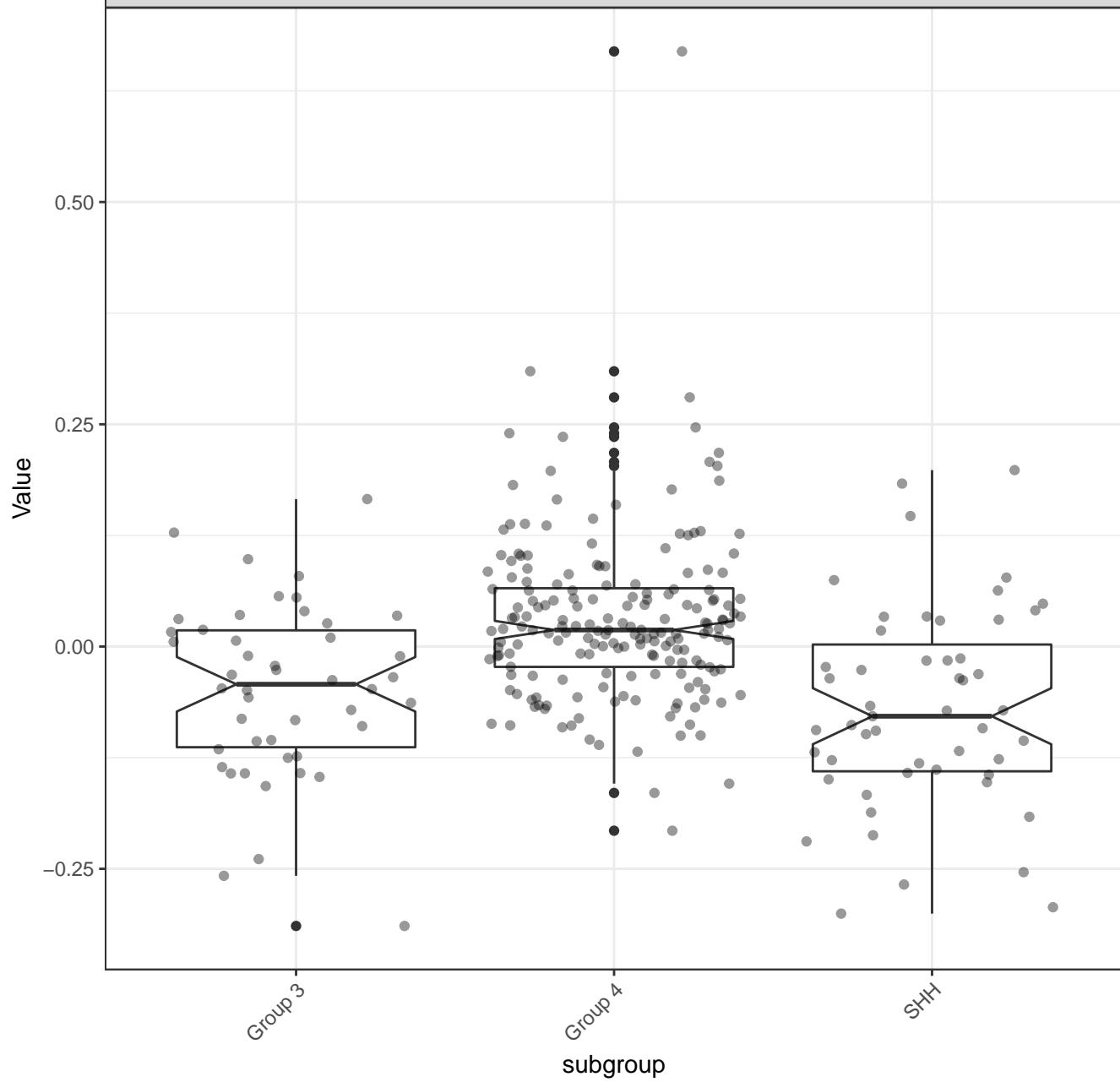
subgroup

LV 839



840,MIPS_39S_RIBOSOMAL_SUBUNIT_MITOCHONDRIAL





LV 842

Value

0.10

0.05

0.00

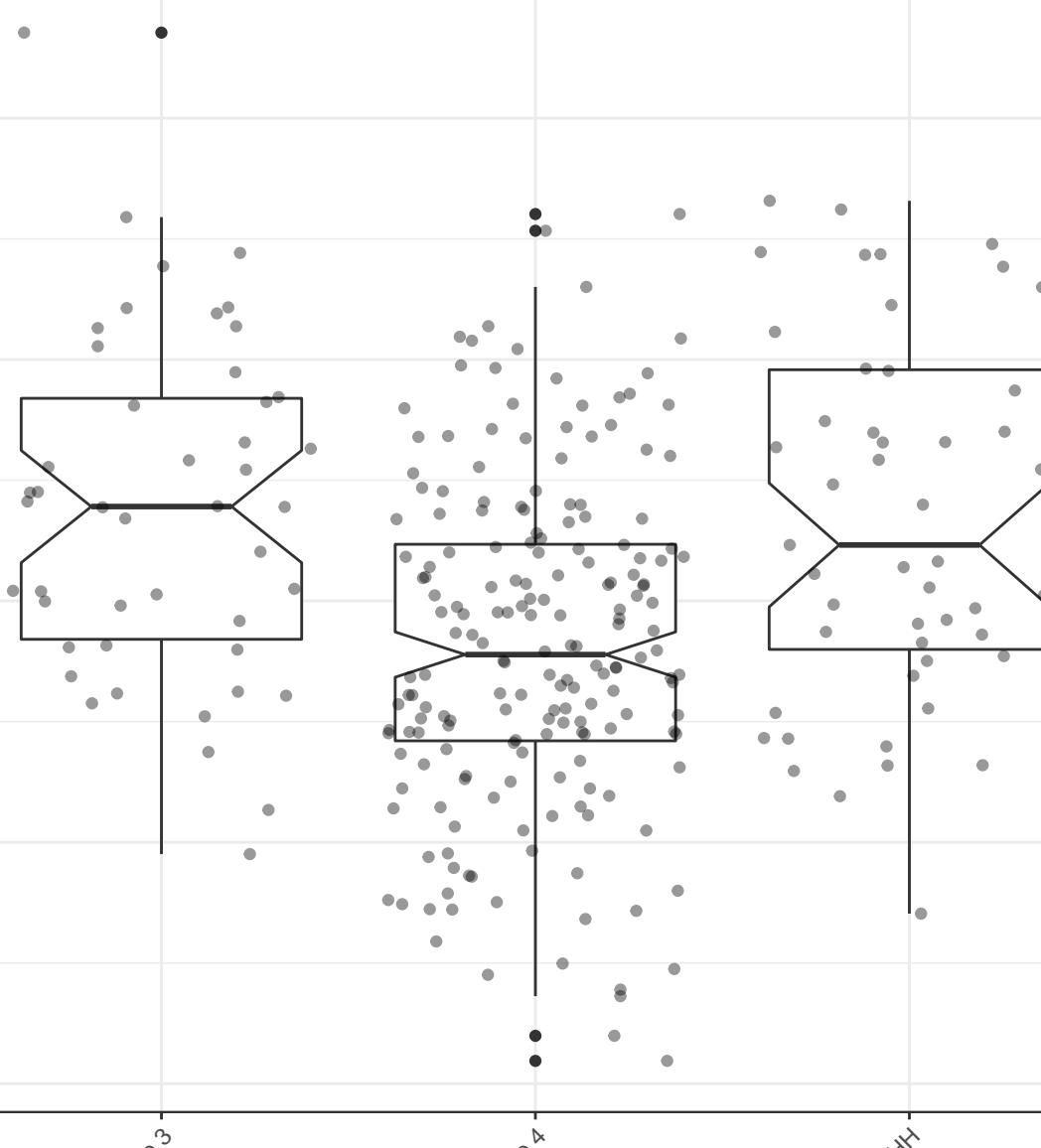
-0.05

-0.10

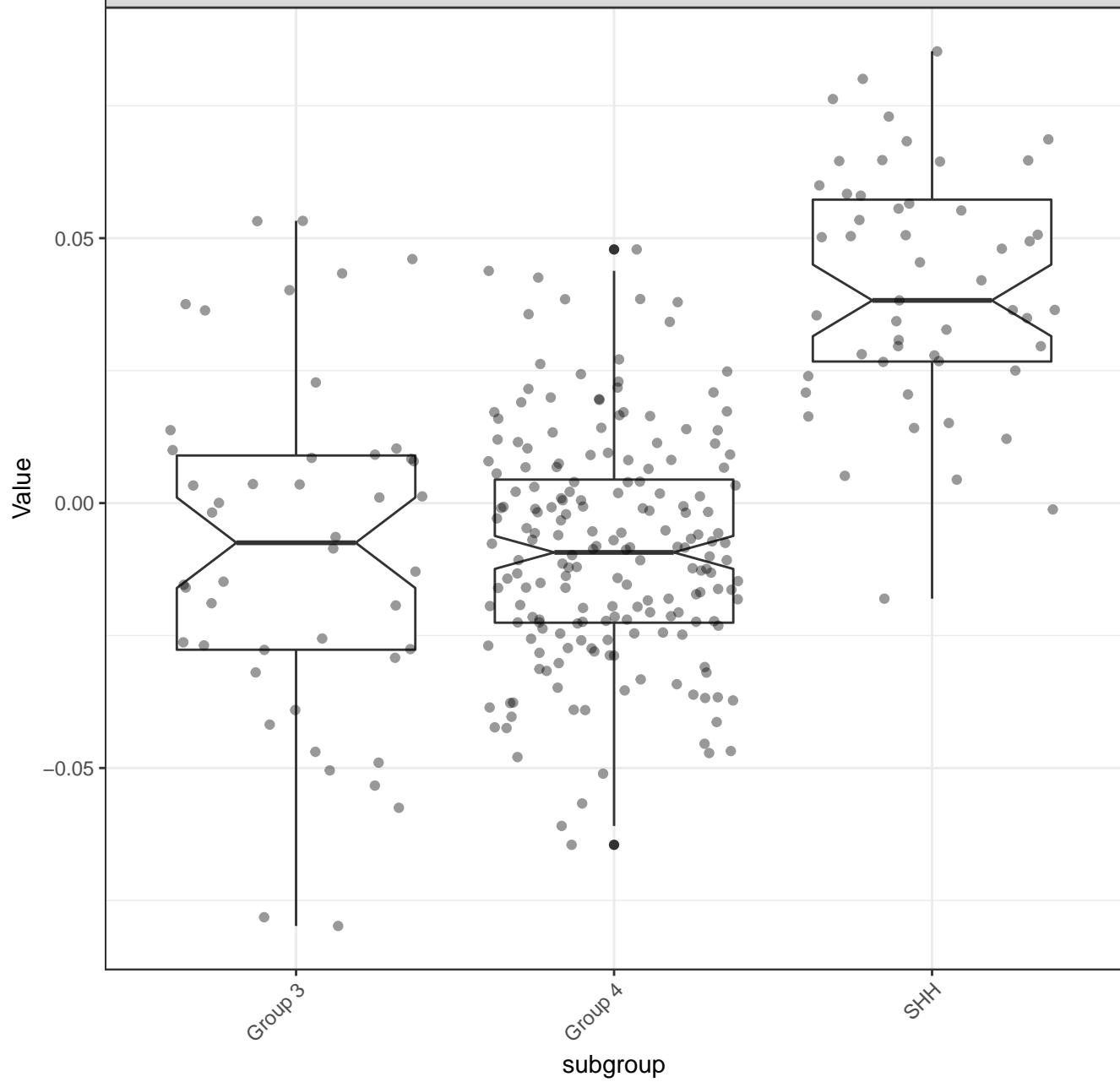
Group 3

subgroup

SHH



LV 843



844,KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION

Value

0.1

0.0

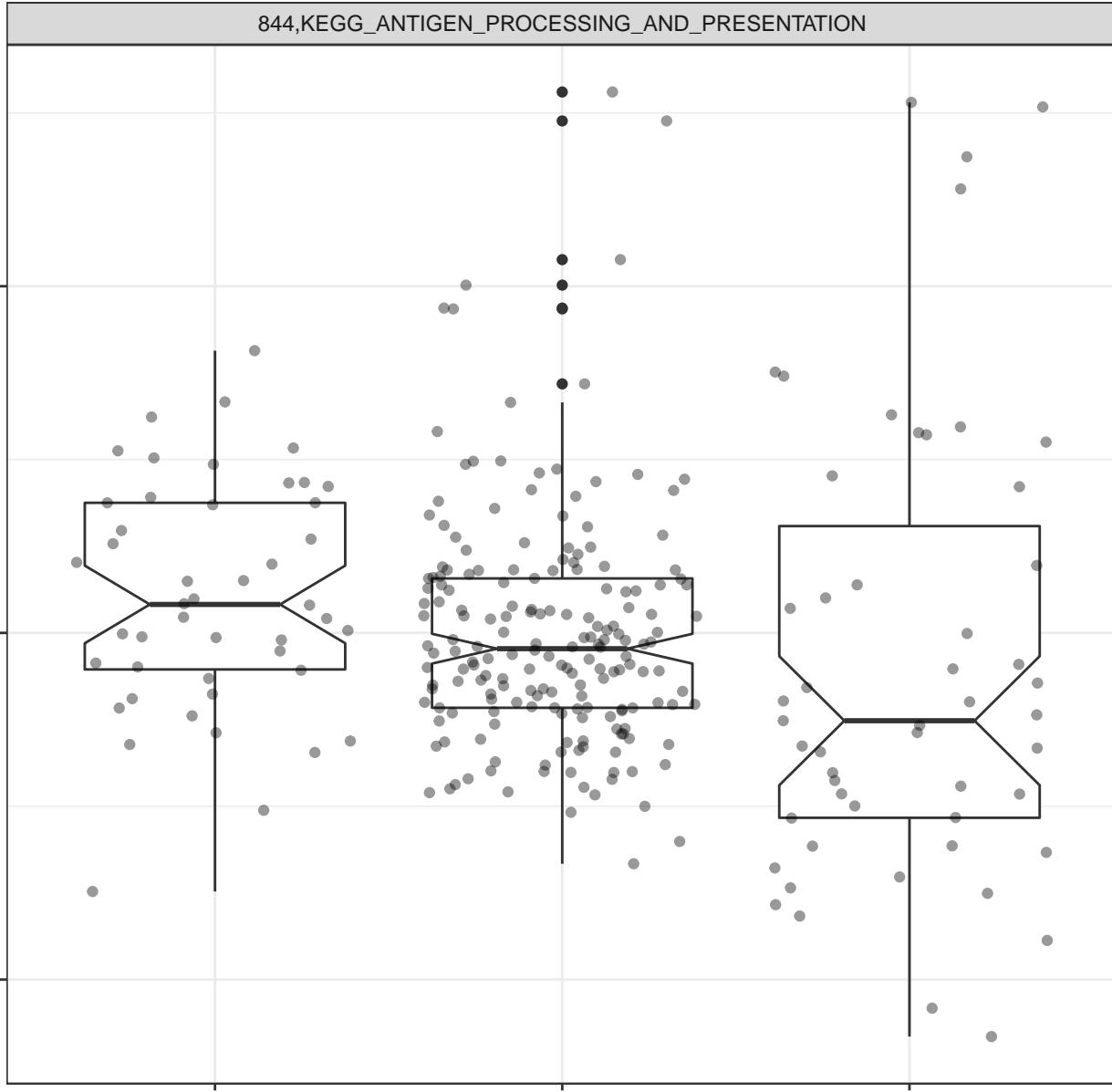
-0.1

Group³

subgroup

Group⁴

SHH



LV 845

Value

0.04

0.00

-0.04

-0.08

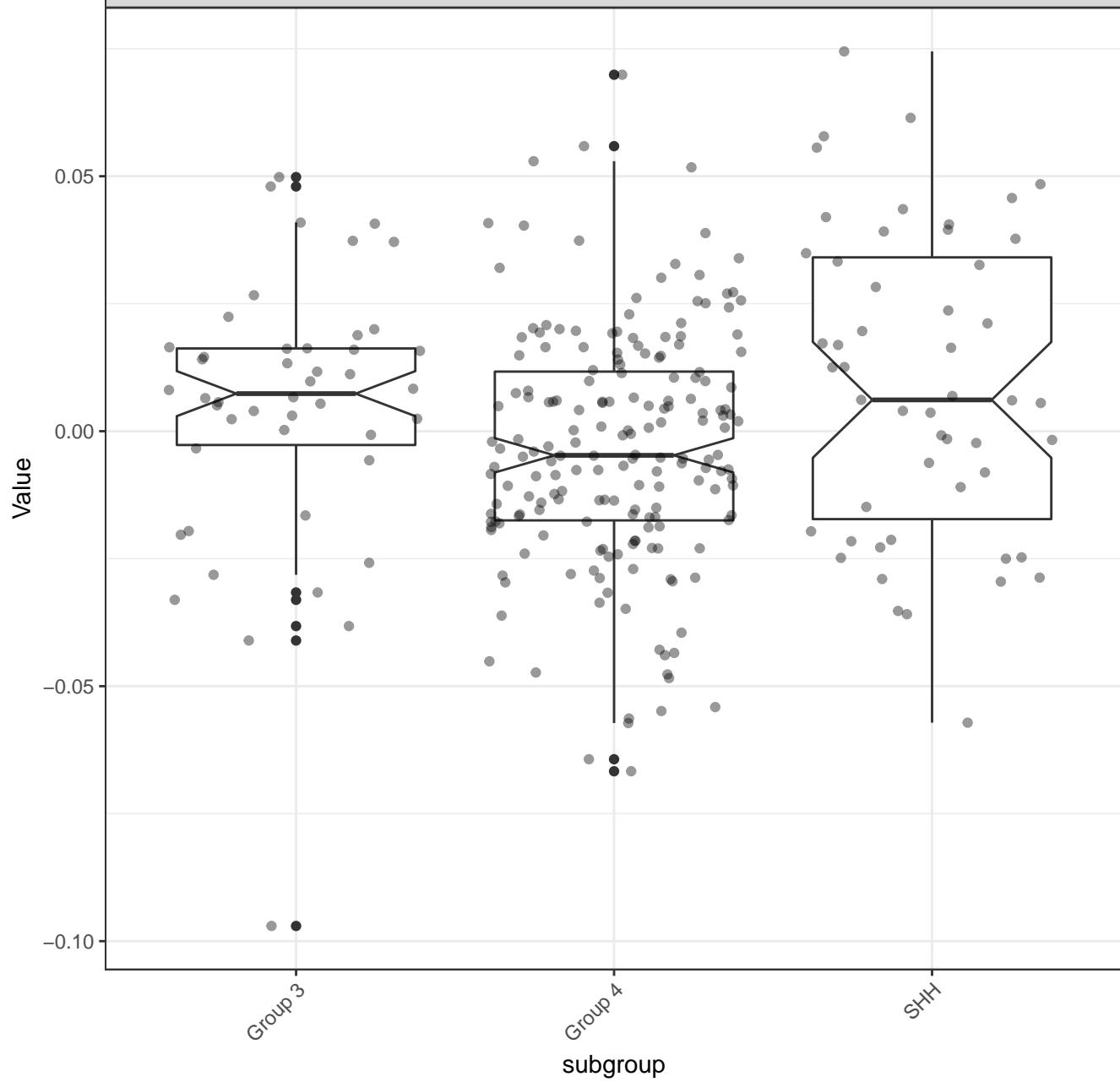
Group 3

subgroup

SHH

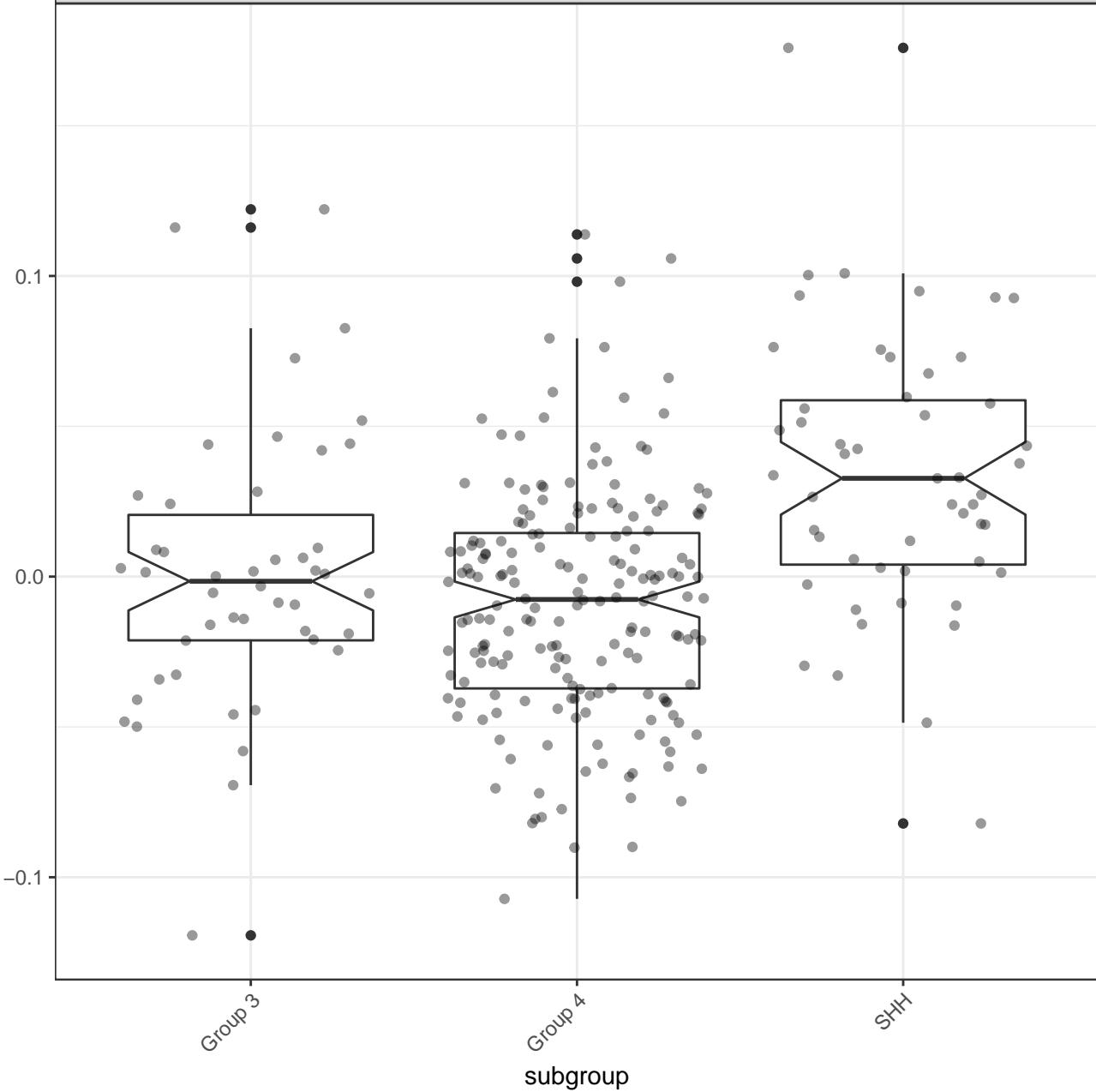


LV 846



847,REACTOME_AMYLOIDS

Value



848,REACTOME_GENERIC_TRANSSCRIPTION_PATHWAY

Value

0.2

0.1

0.0

-0.1

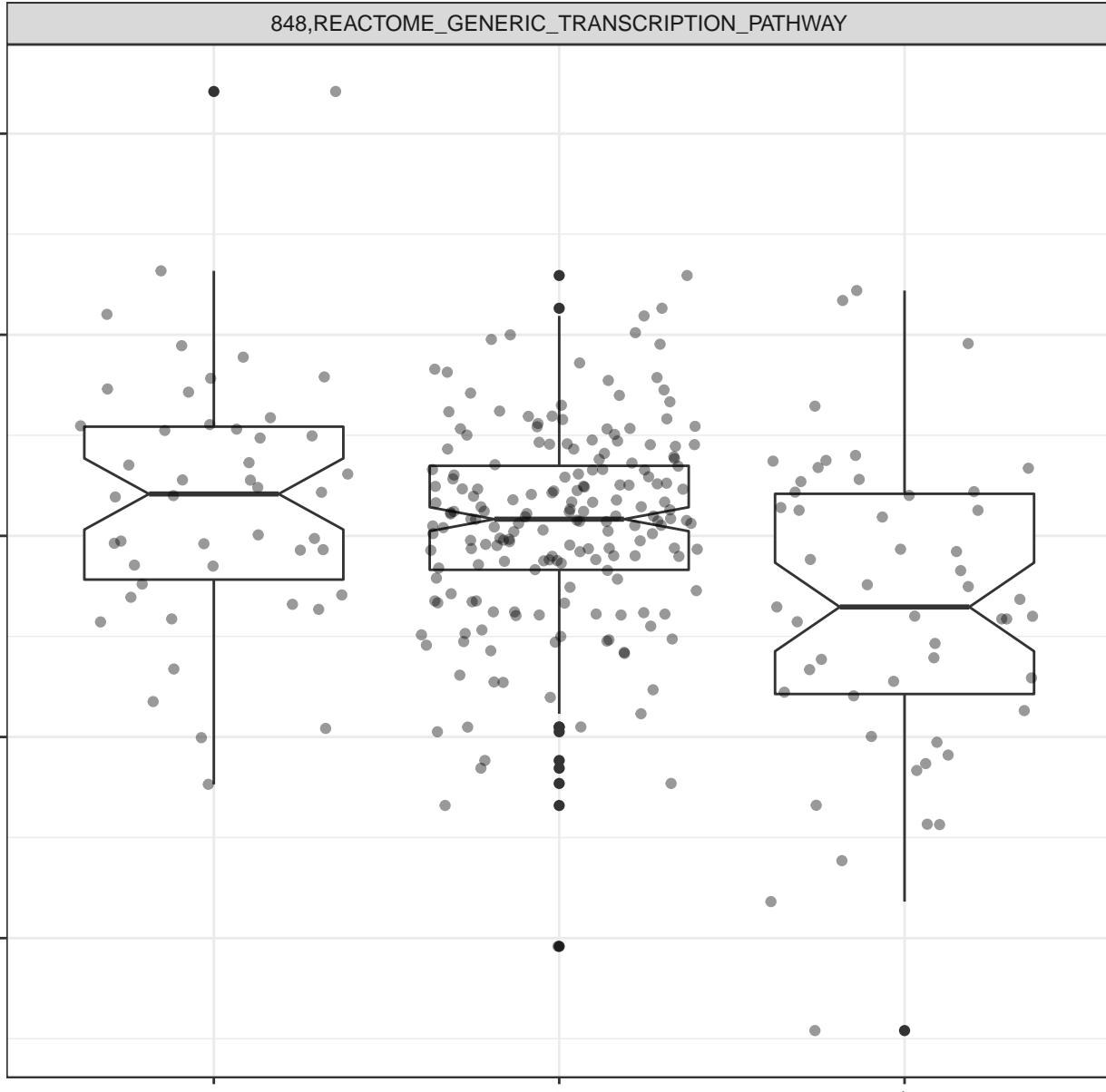
-0.2

Group 3

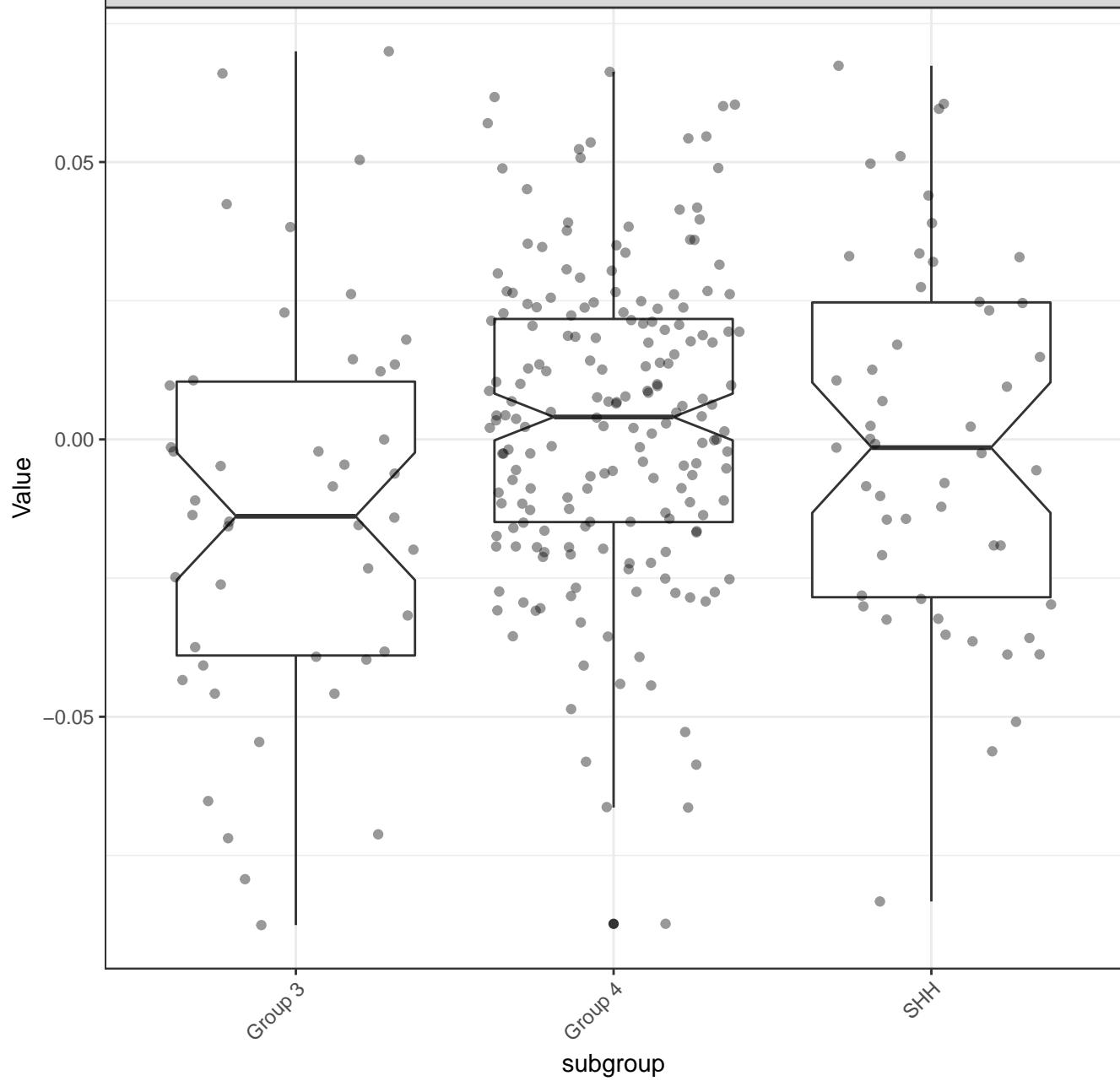
Group 4

SHH

subgroup



LV 849



LV 850

Value

0.05

0.00

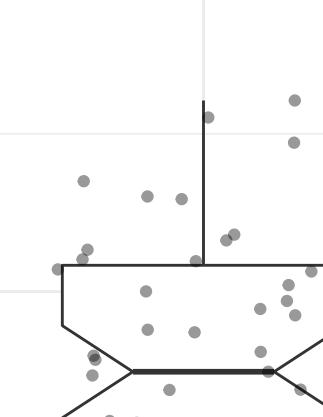
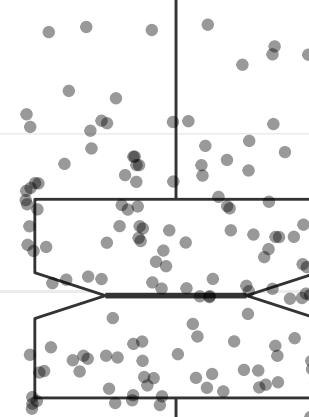
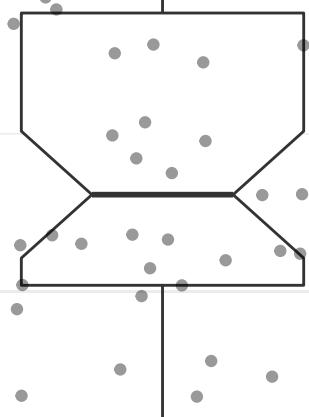
-0.05

Group 3

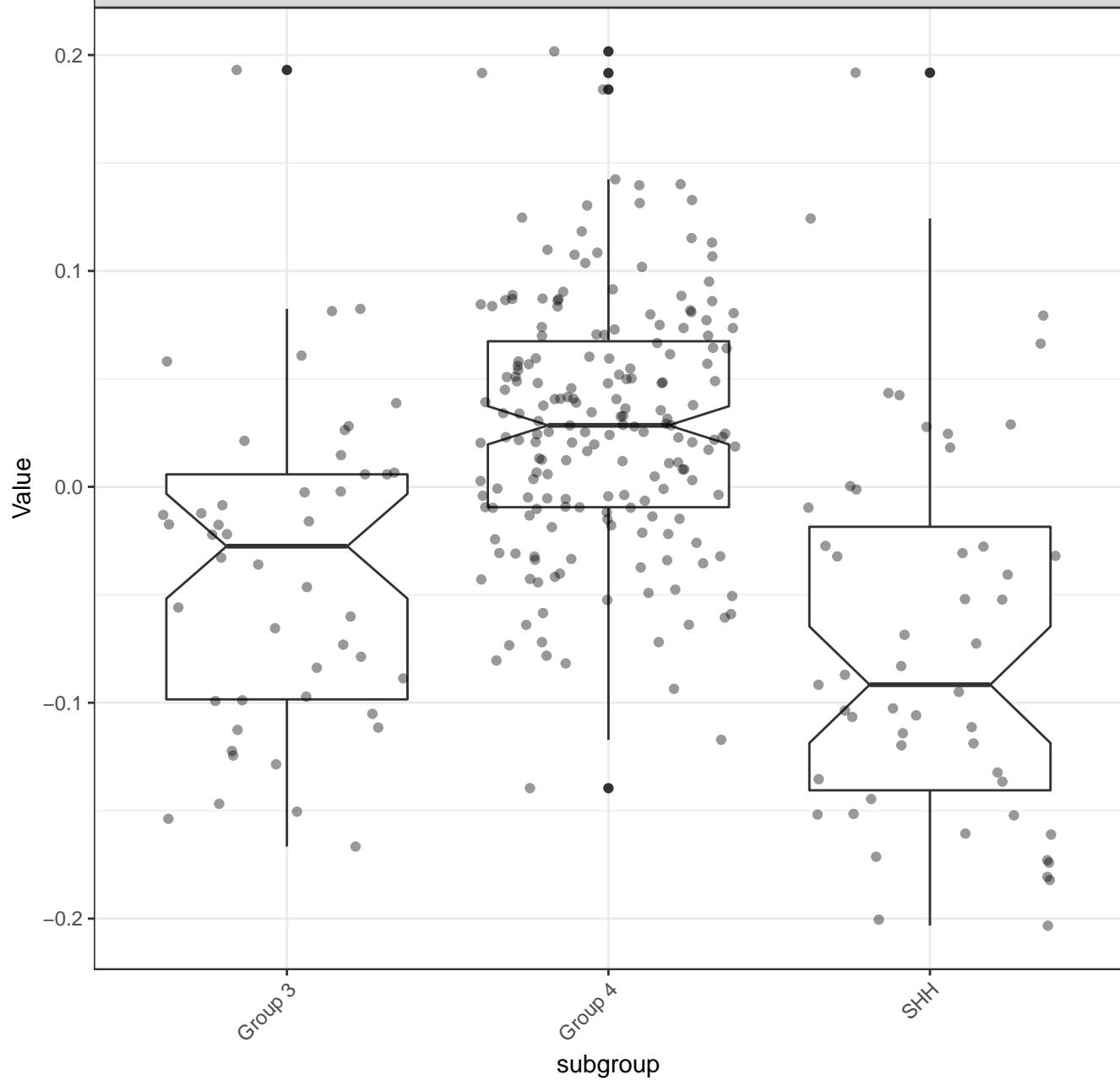
subgroup

SHH

Group 4



LV 851



LV 852

Value

0.05

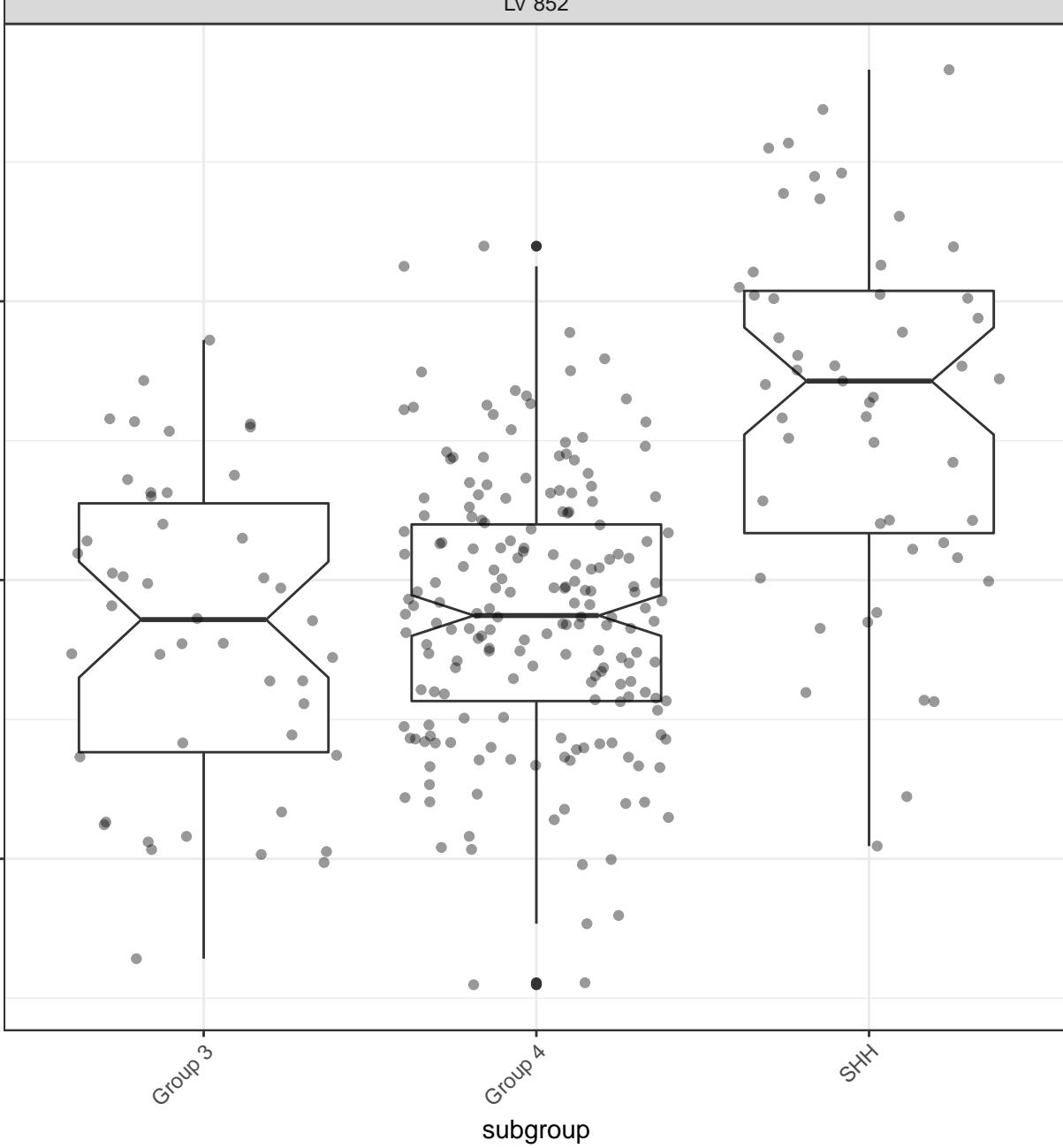
0.00

-0.05

Group 3

subgroup

SHH



LV 853

Value

0.1

0.0

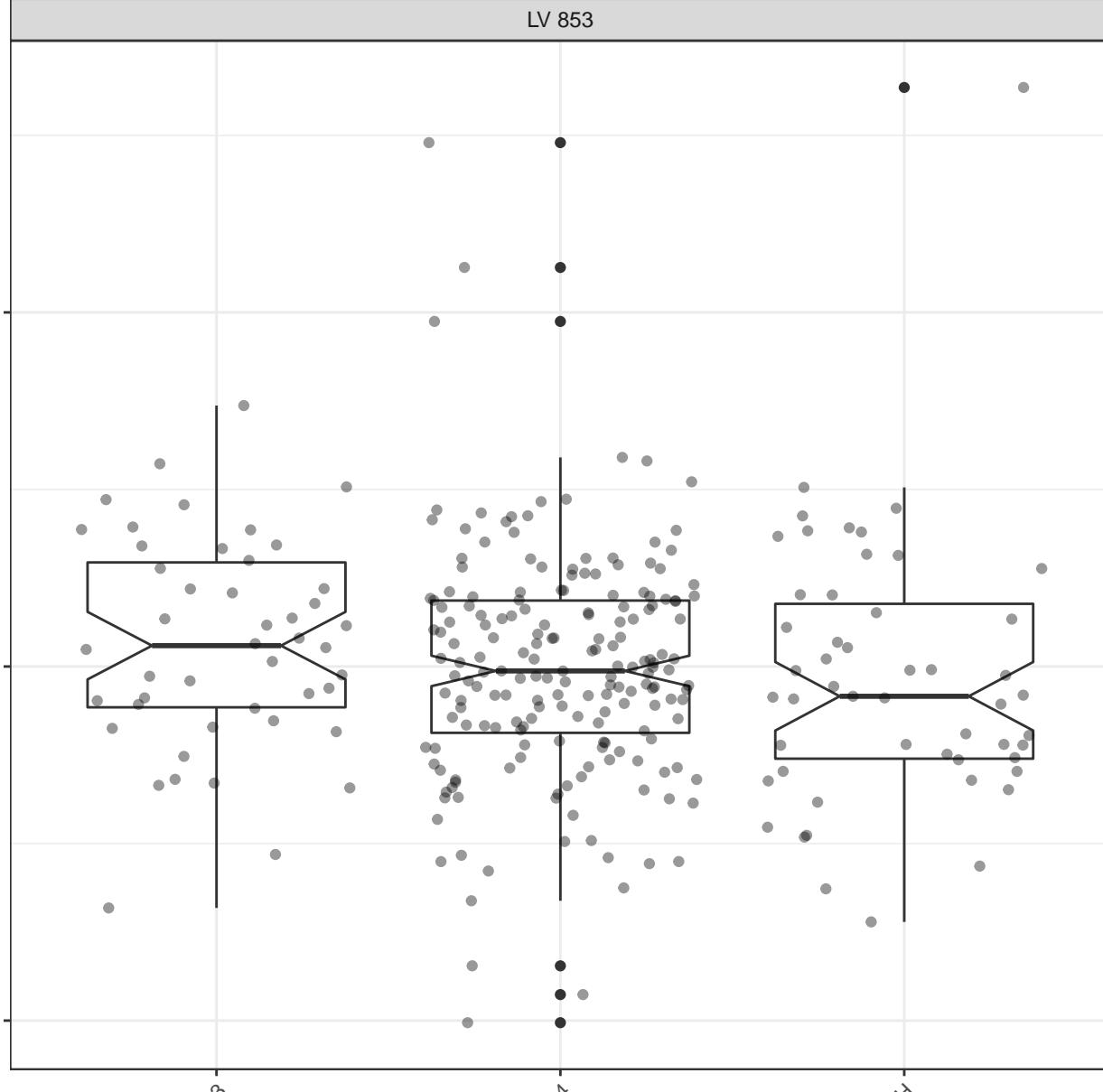
-0.1

Group 3

Group 4

SHH

subgroup



Value

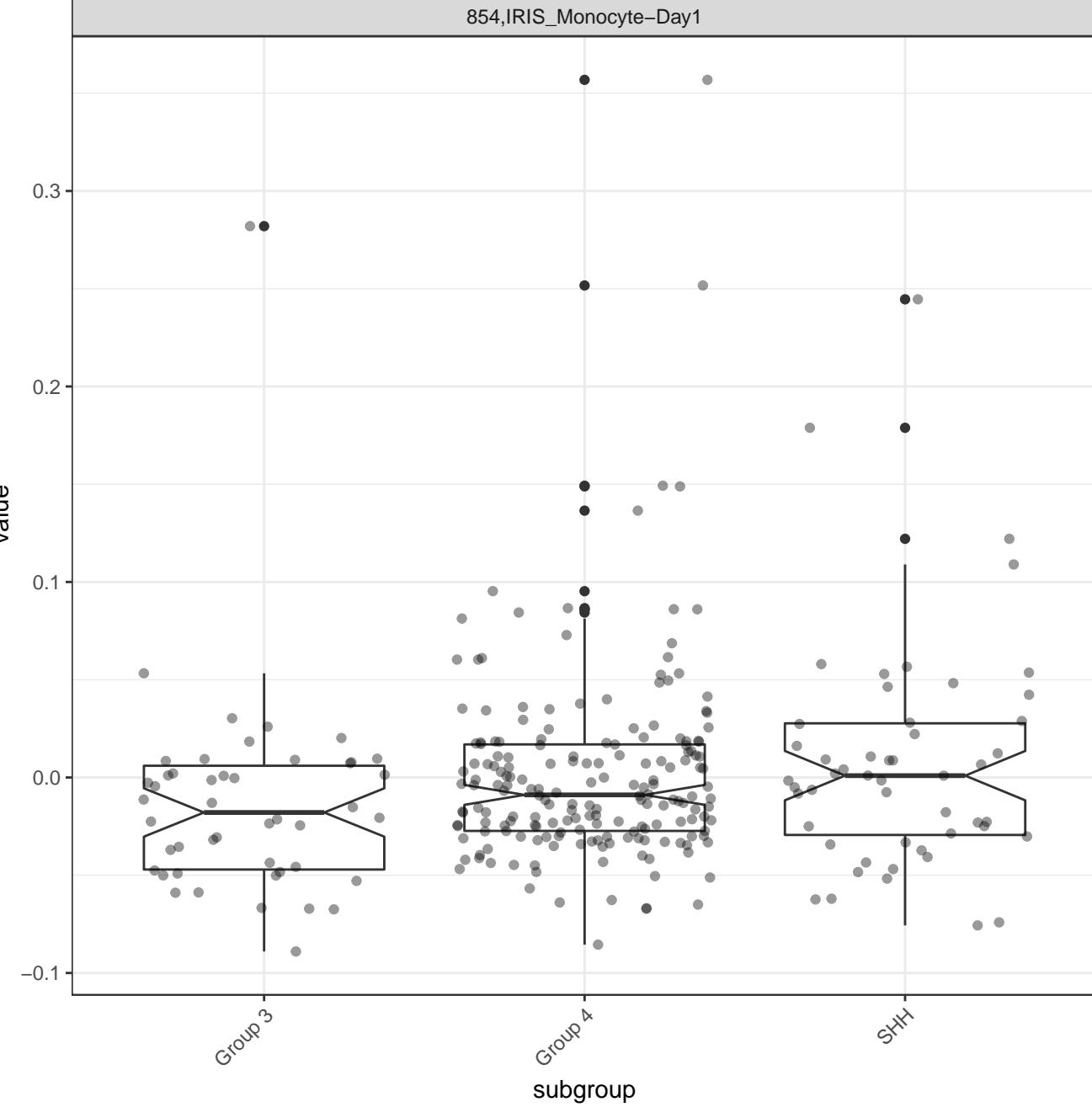
0.3
0.2
0.1
0.0
-0.1

Group 3

Group 4

SHH

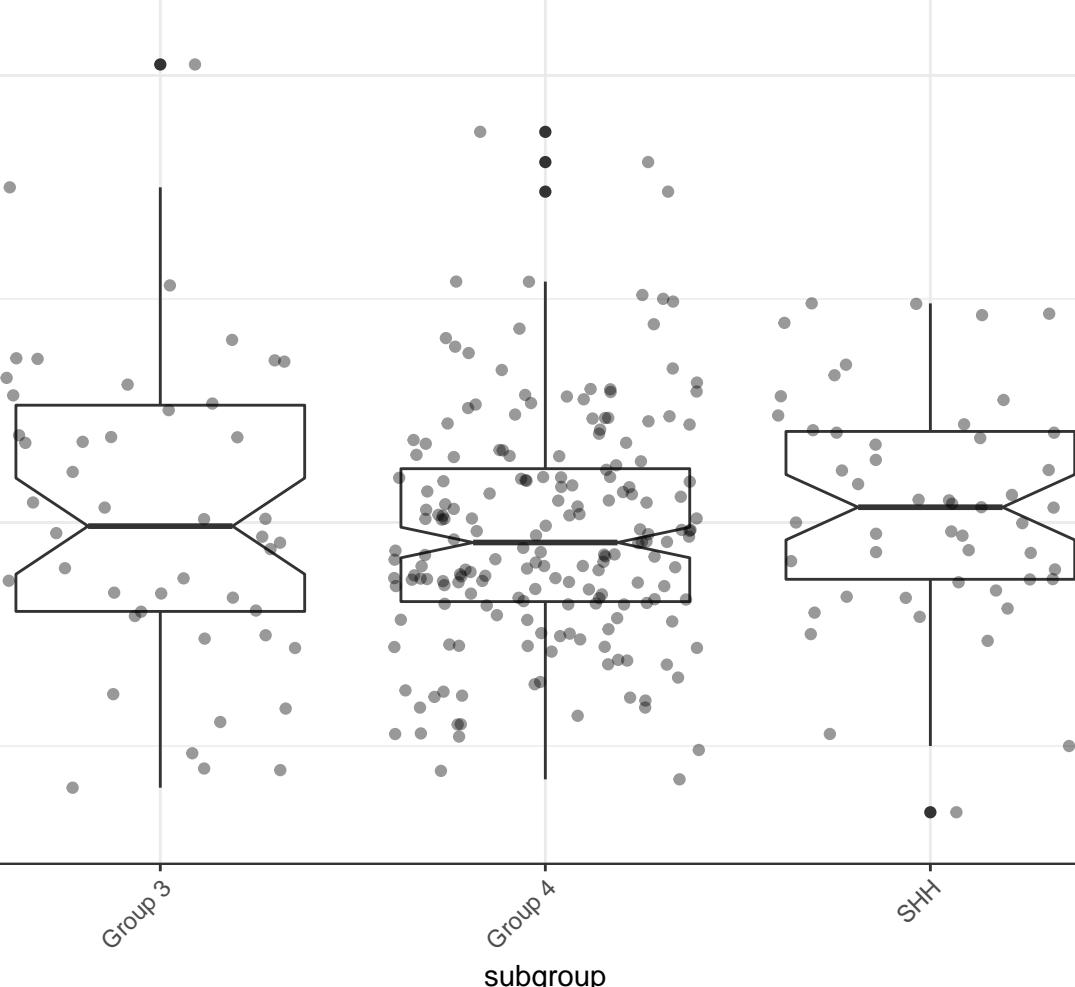
subgroup



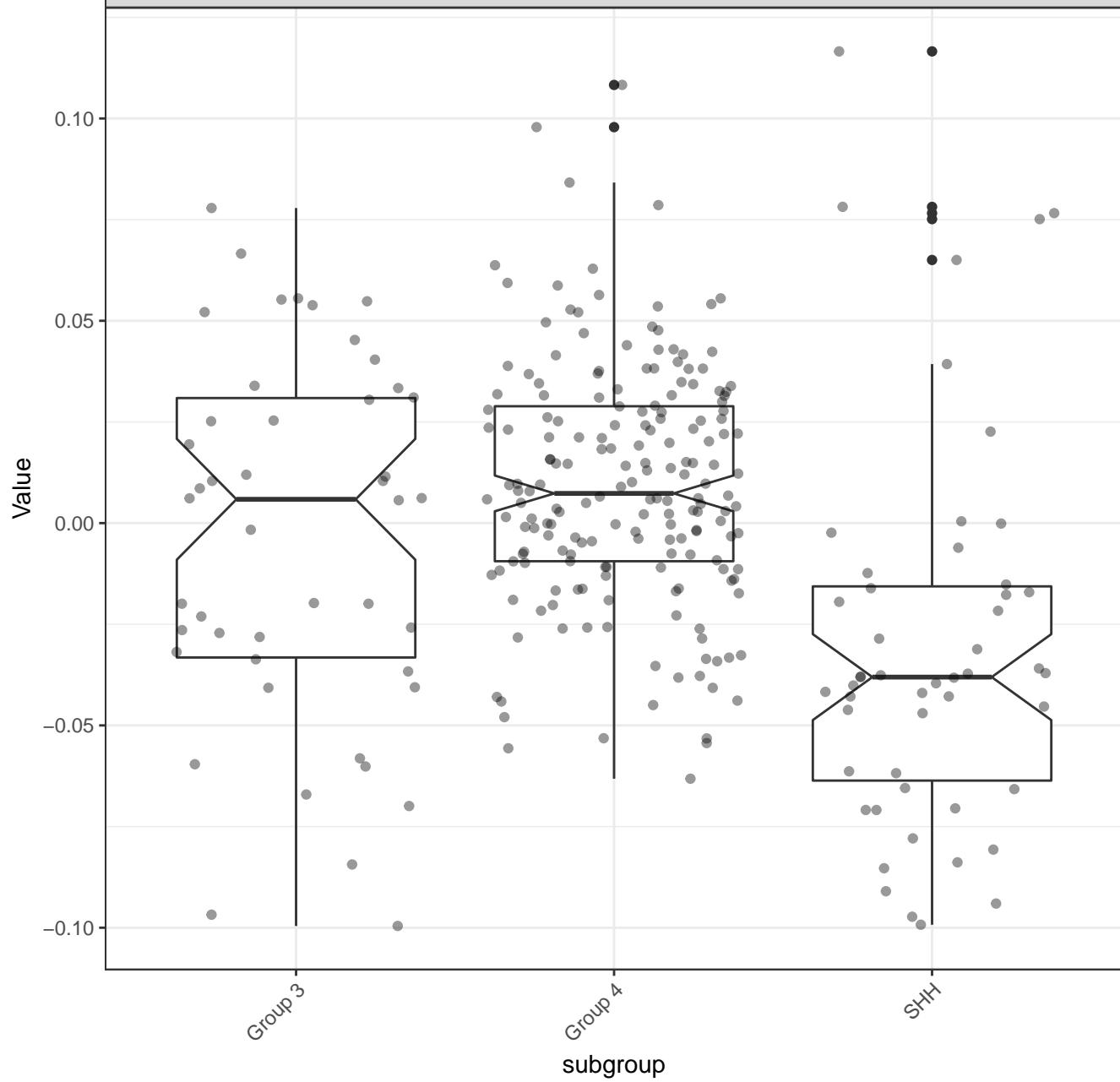
Value

0.1

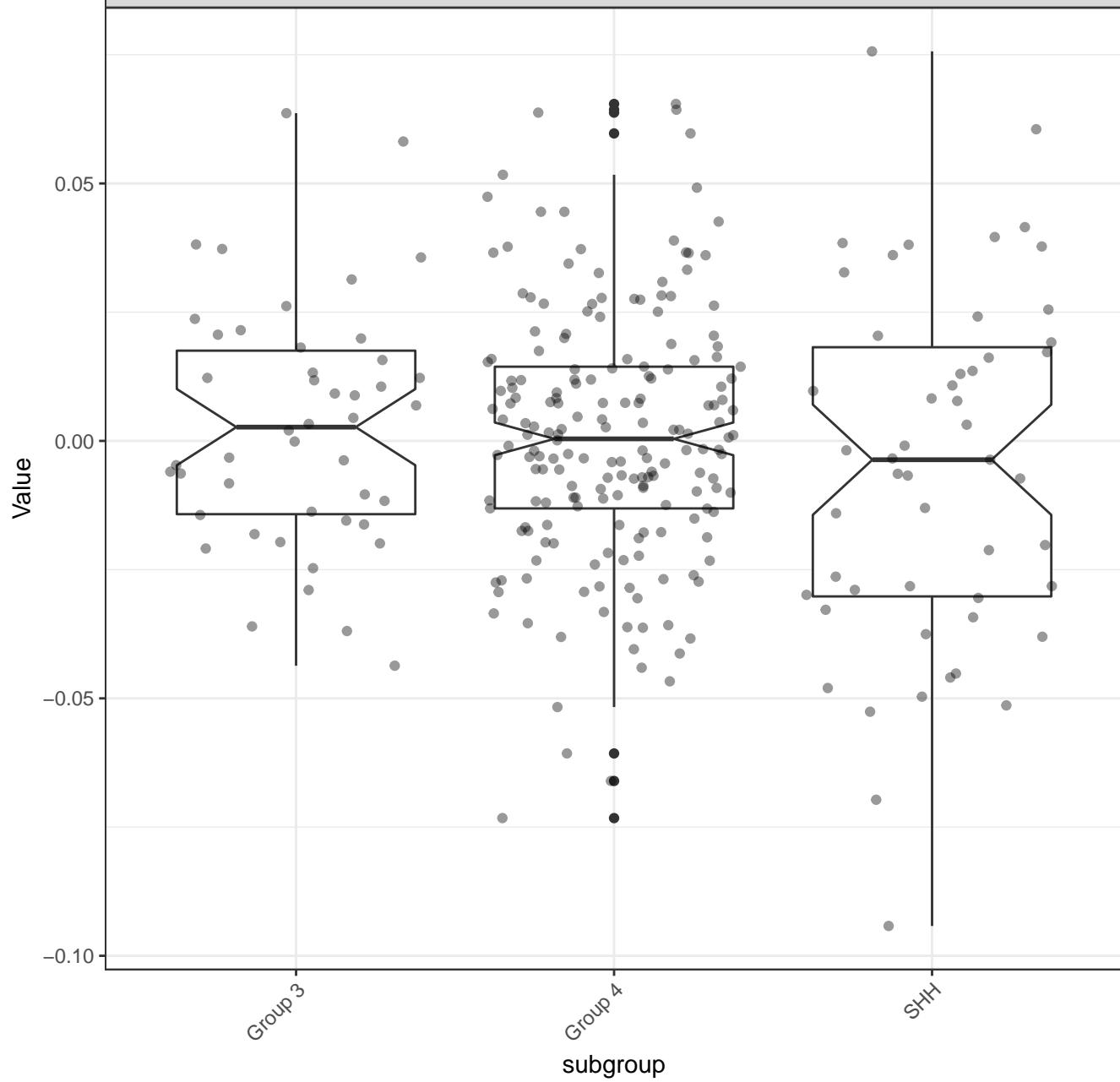
0.0



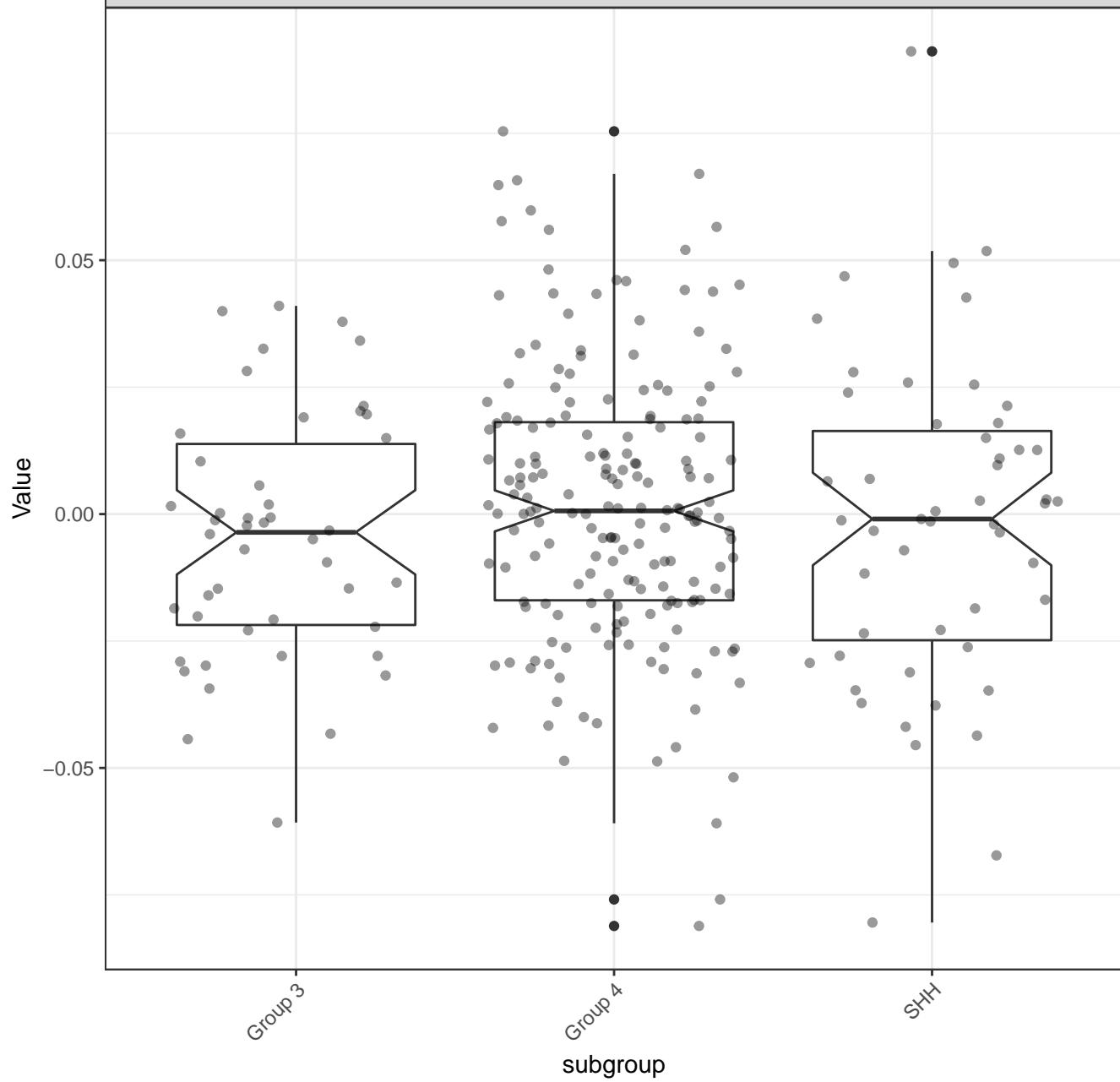
LV 856



LV 857

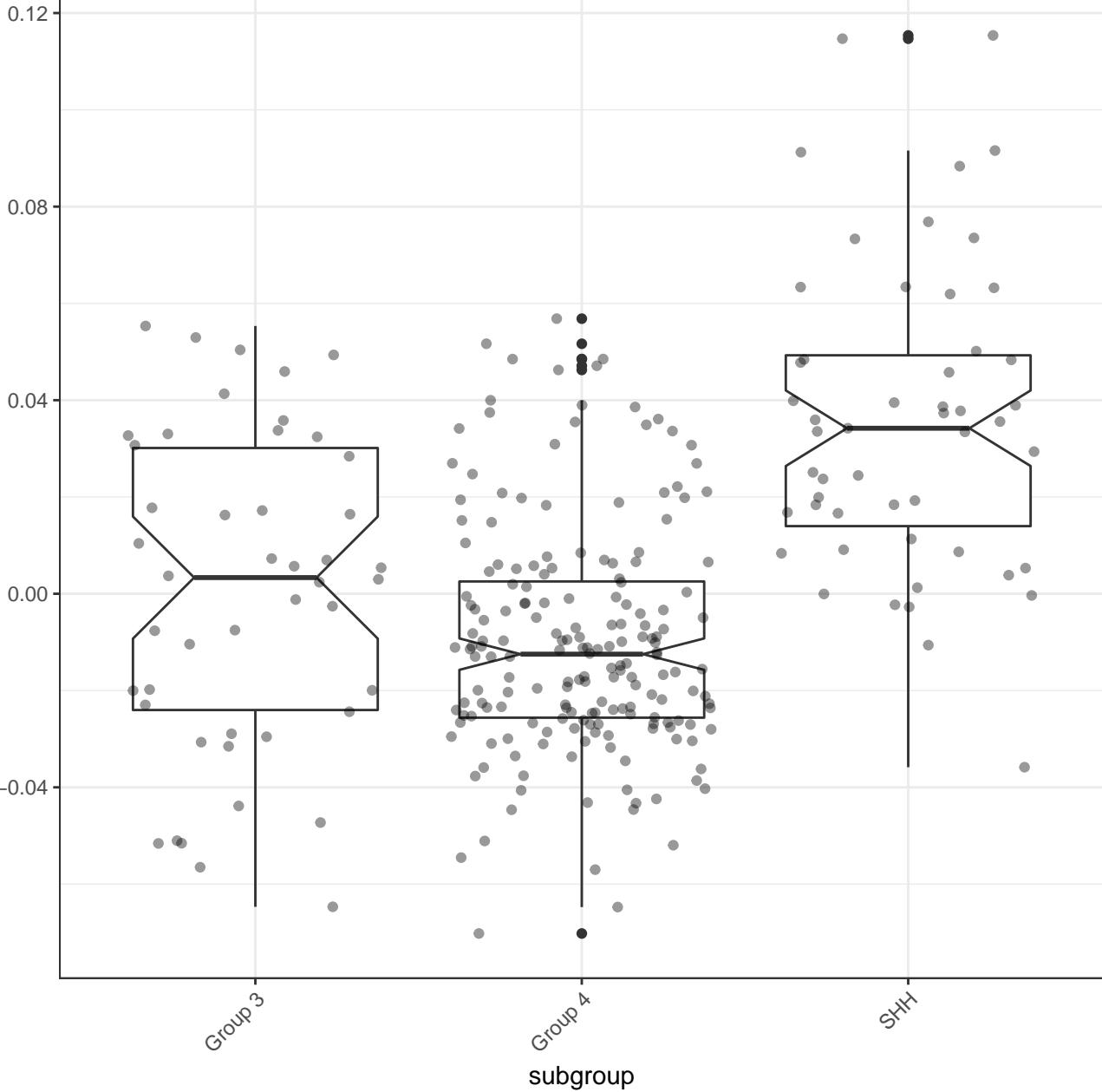


LV 858



LV 859

Value



LV 860

Value

0.10

0.05

0.00

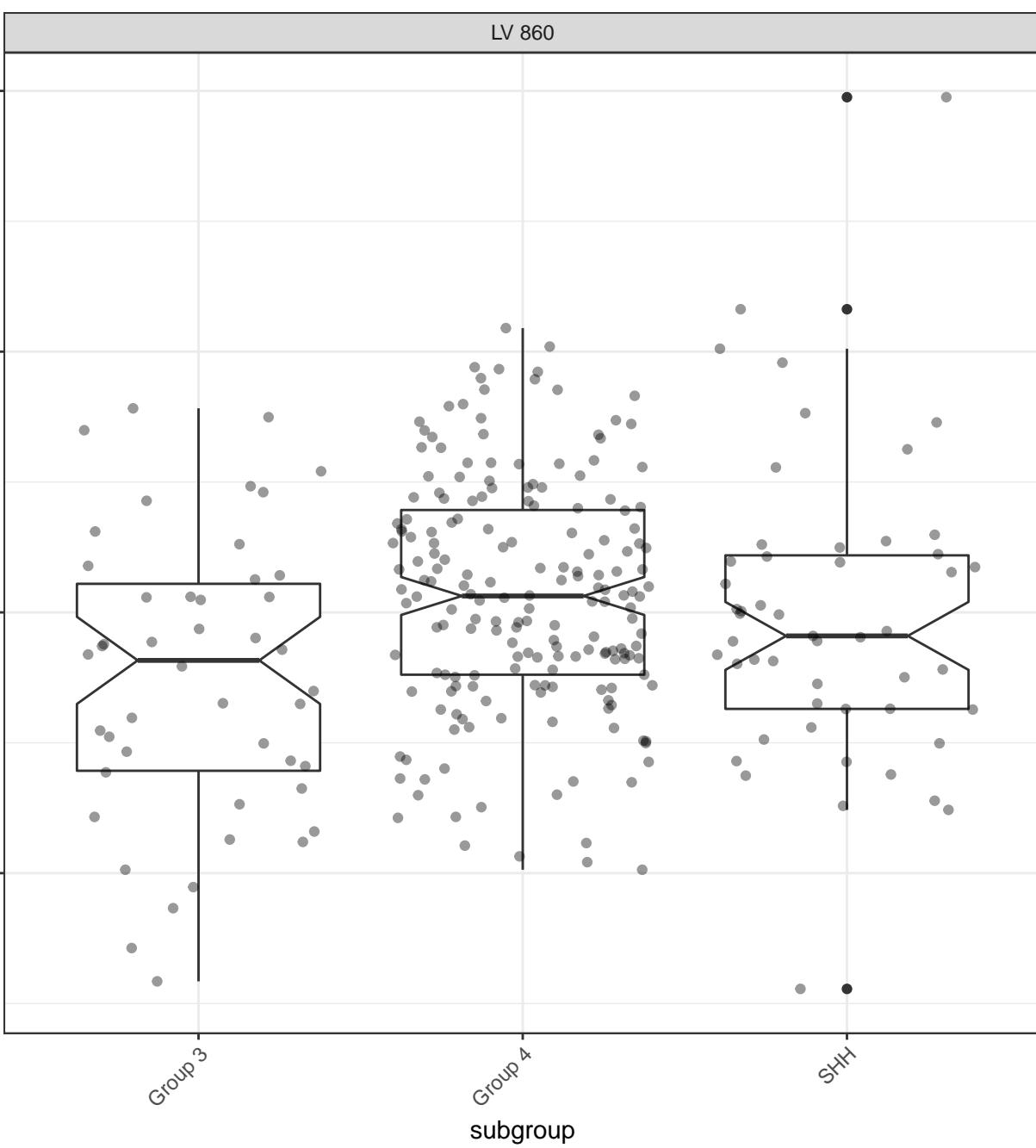
-0.05

Group 3

Group 4

SHH

subgroup



LV 861

Value

0.10

0.05

0.00

-0.05

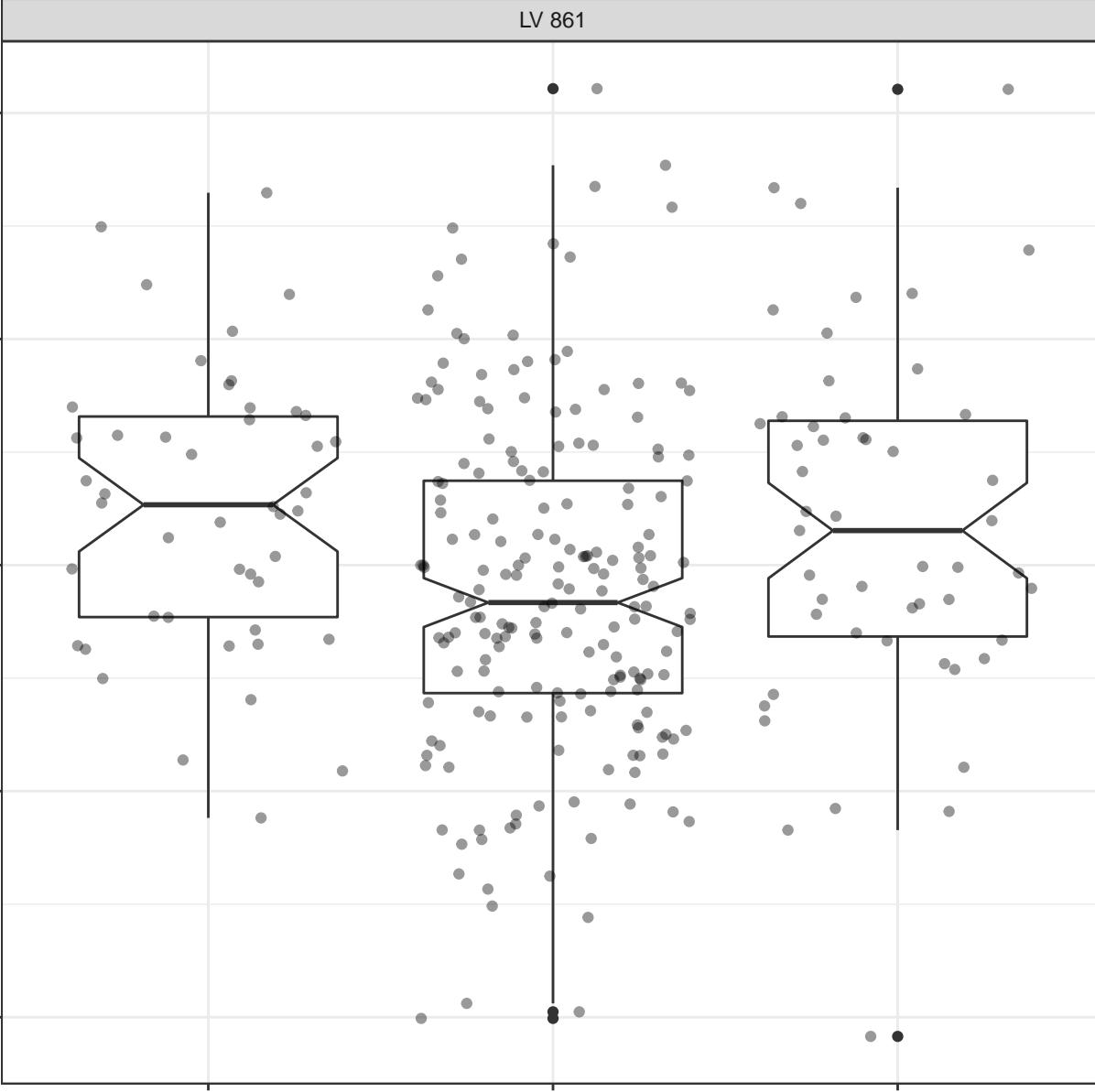
-0.10

Group 3

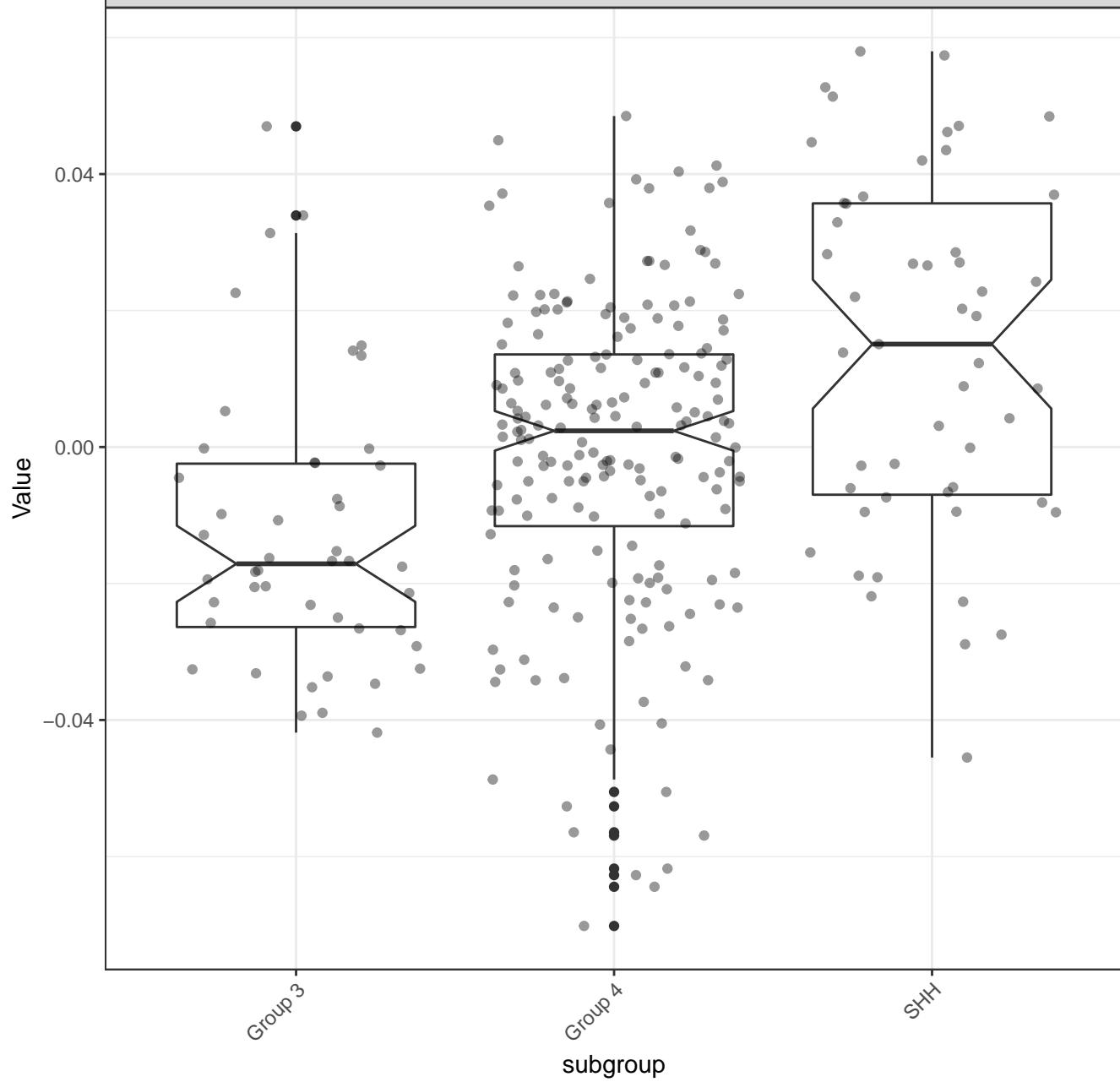
subgroup

Group 4

SHH



LV 862



LV 863

Value

0.10

0.05

0.00

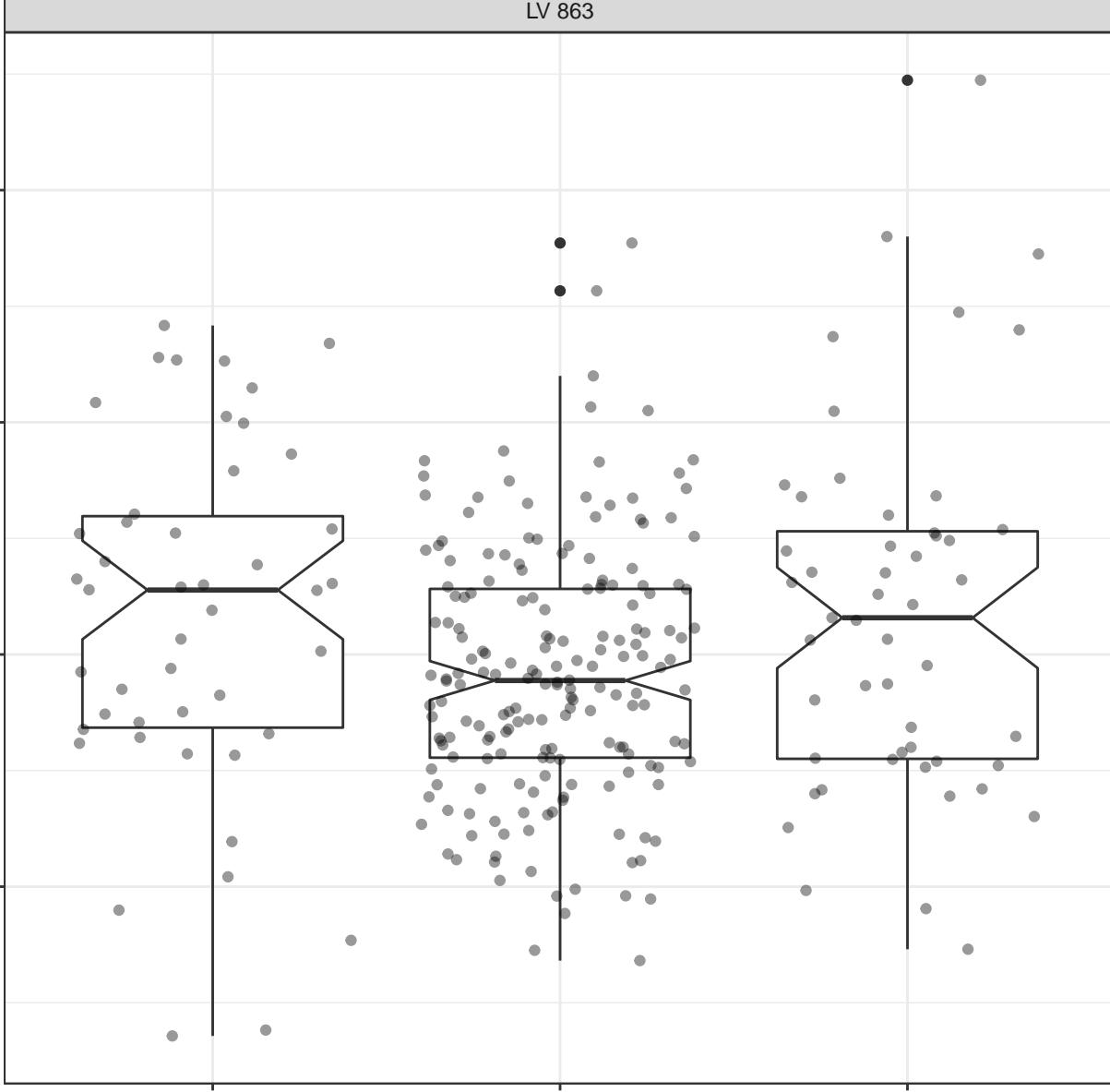
-0.05

Group 3

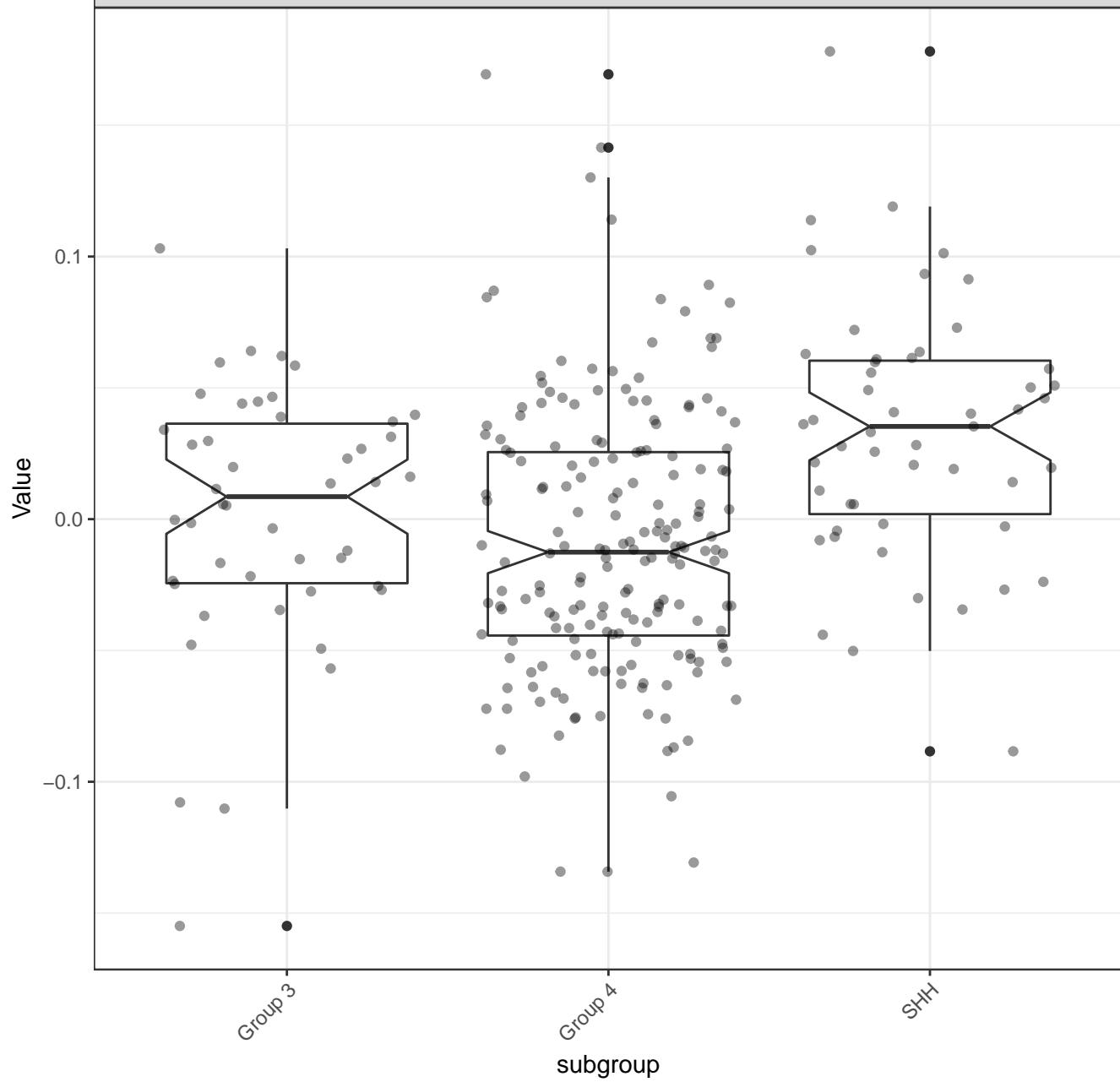
Group 4

SHH

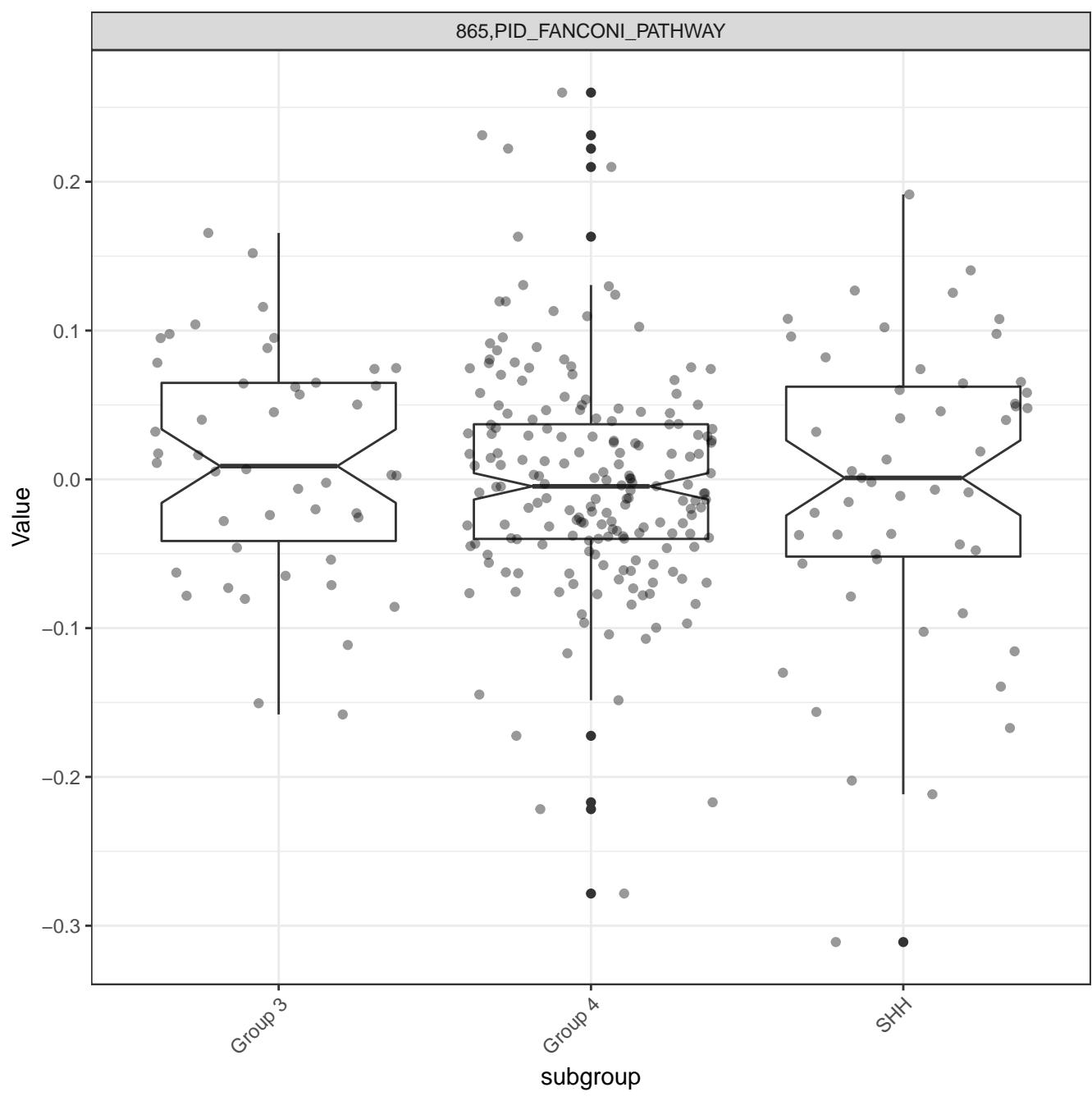
subgroup



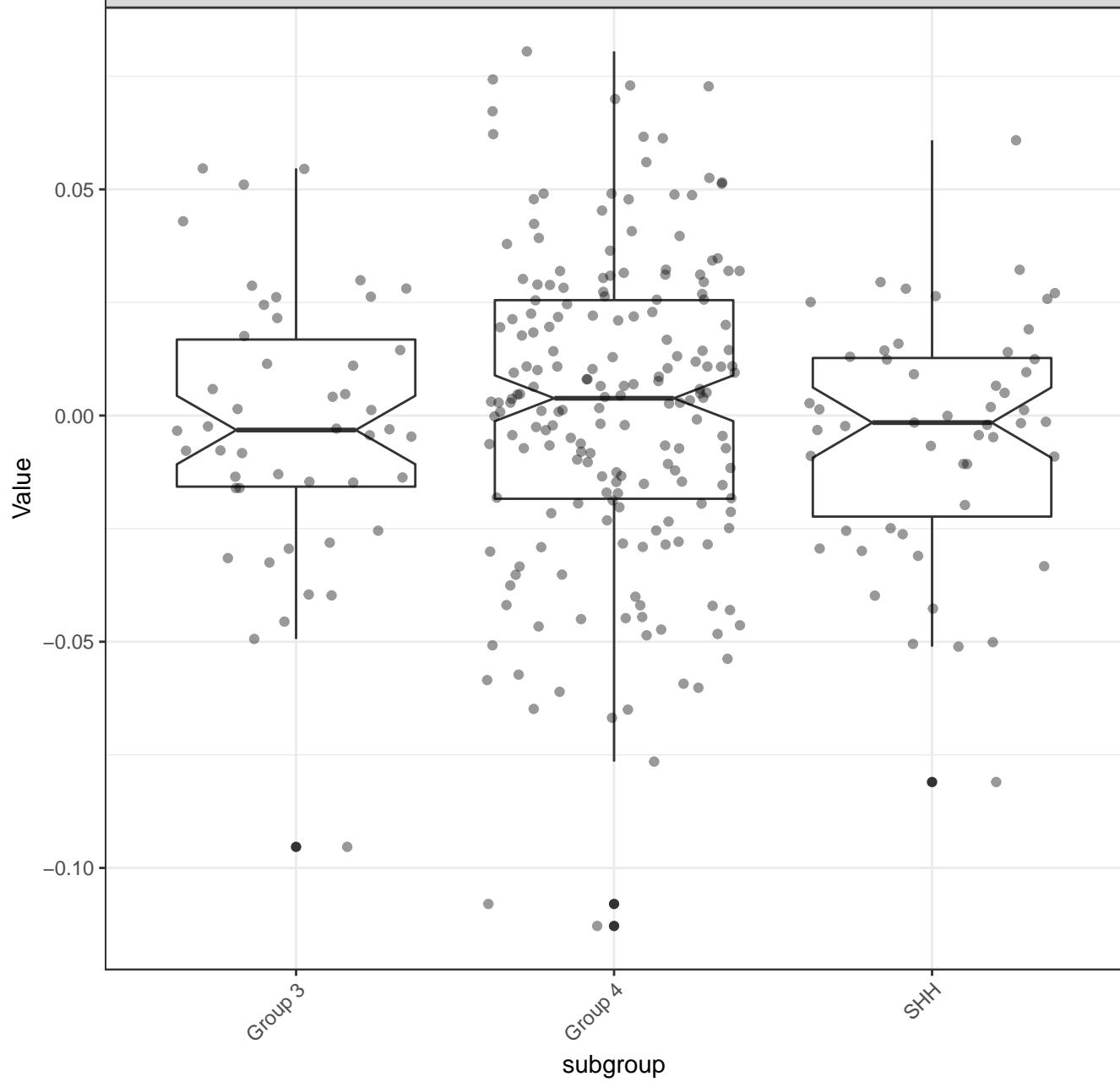
LV 864

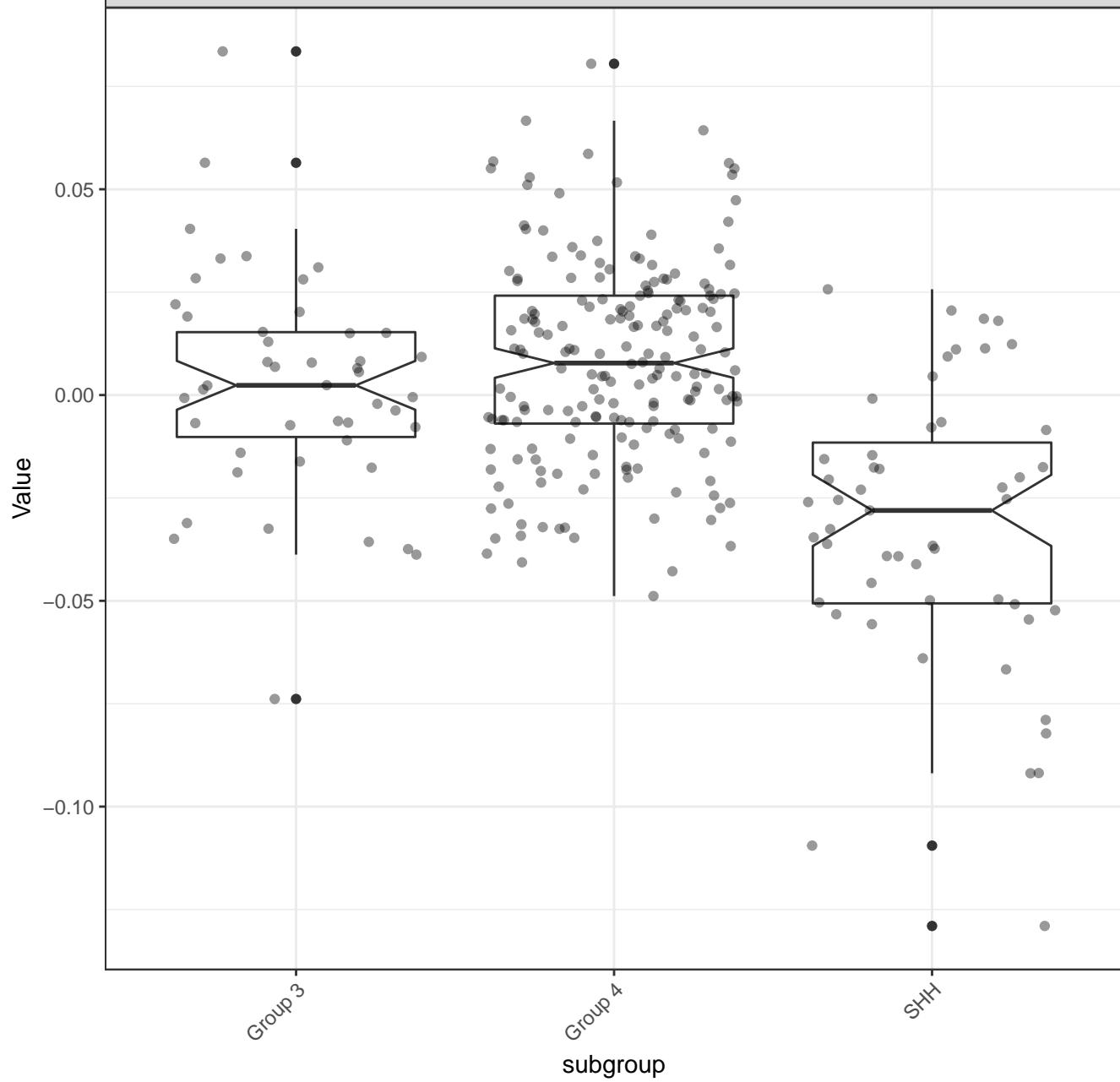


865,PID_FANCONI_PATHWAY



LV 866





LV 868

Value

0.05

0.00

-0.05

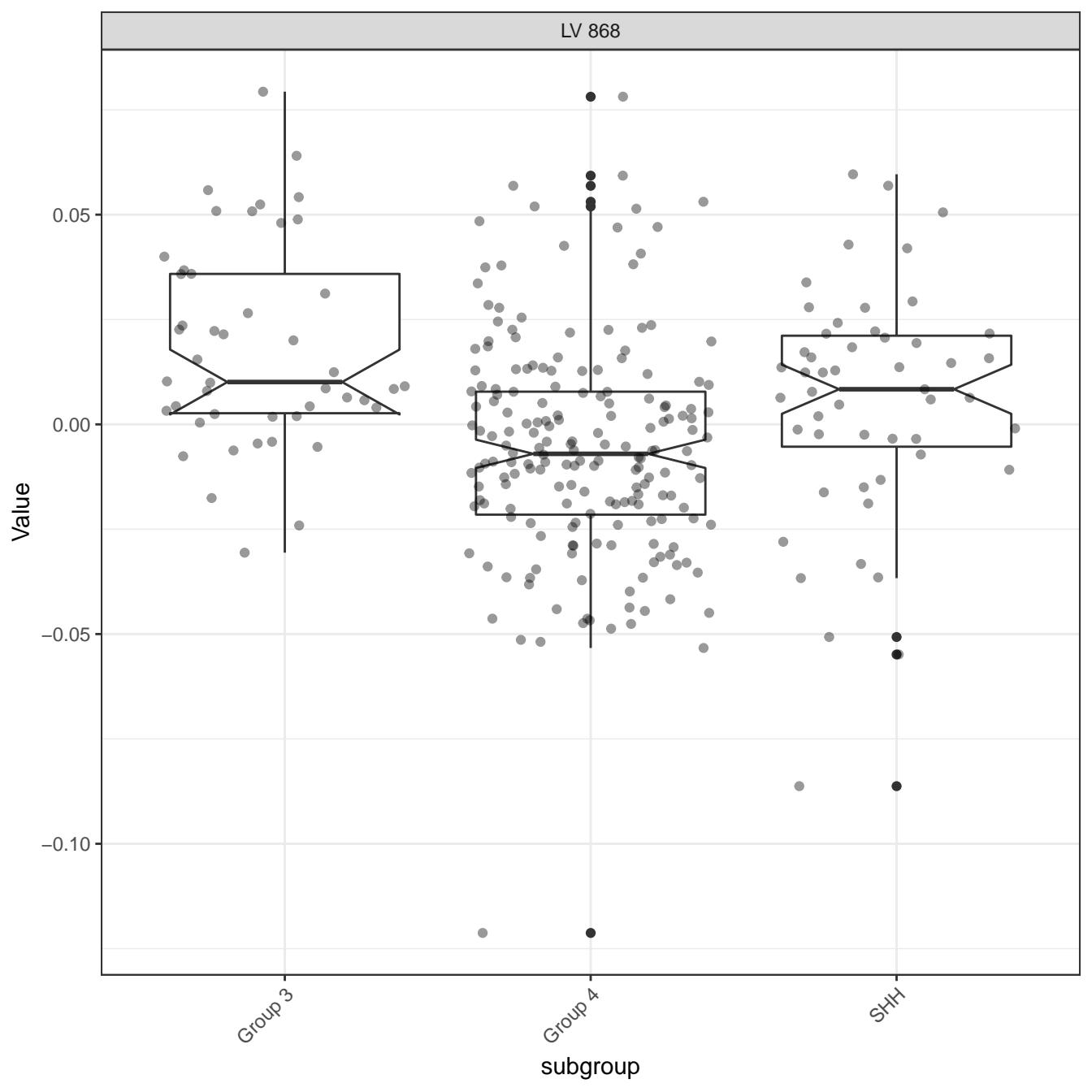
-0.10

Group 3

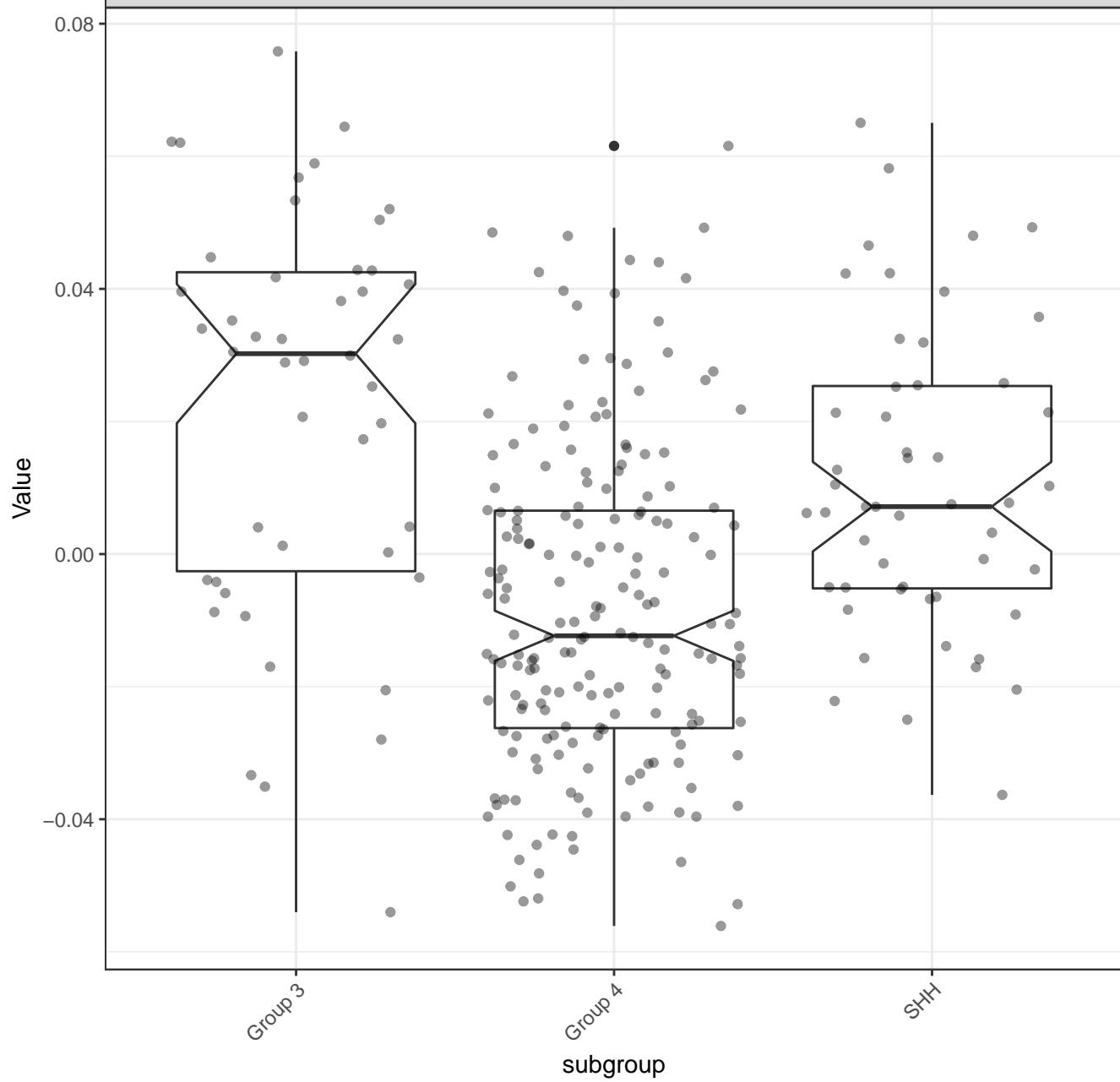
subgroup

SHH

Group 4



LV 869



LV 870

Value

0.10

0.05

0.00

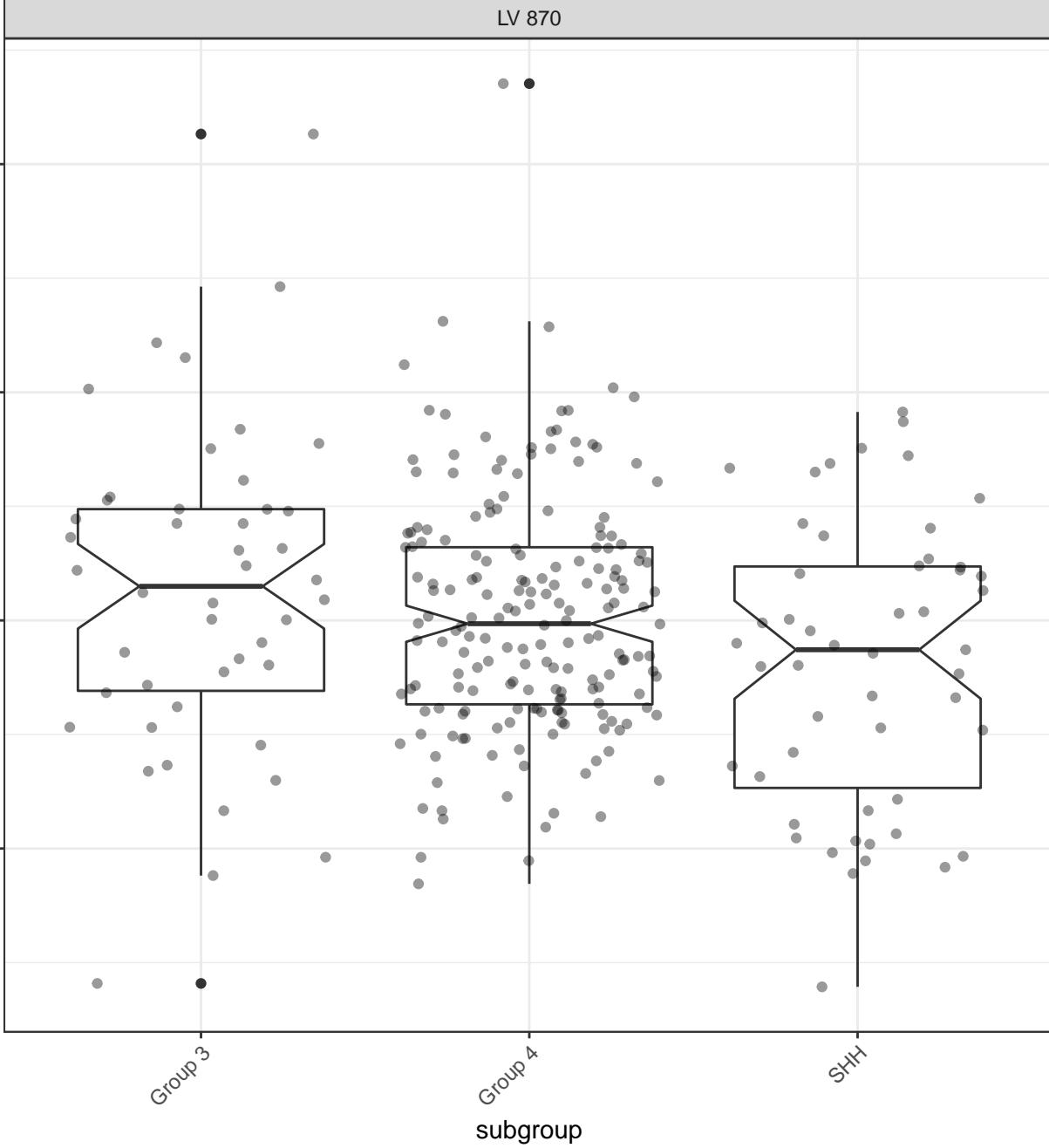
-0.05

Group 3

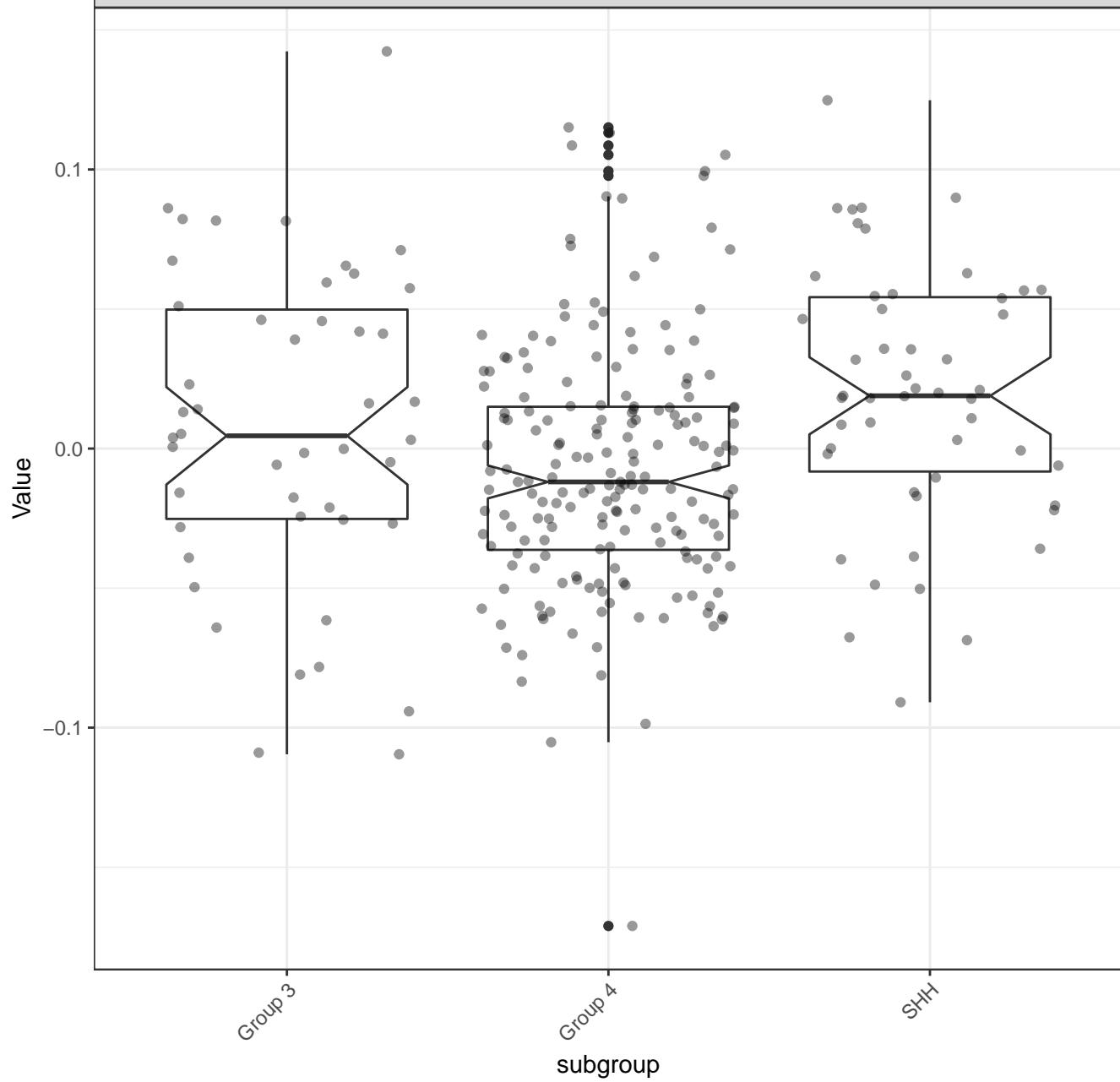
Group 4

SHH

subgroup



LV 871



LV 872

Value

0.15

0.10

0.05

0.00

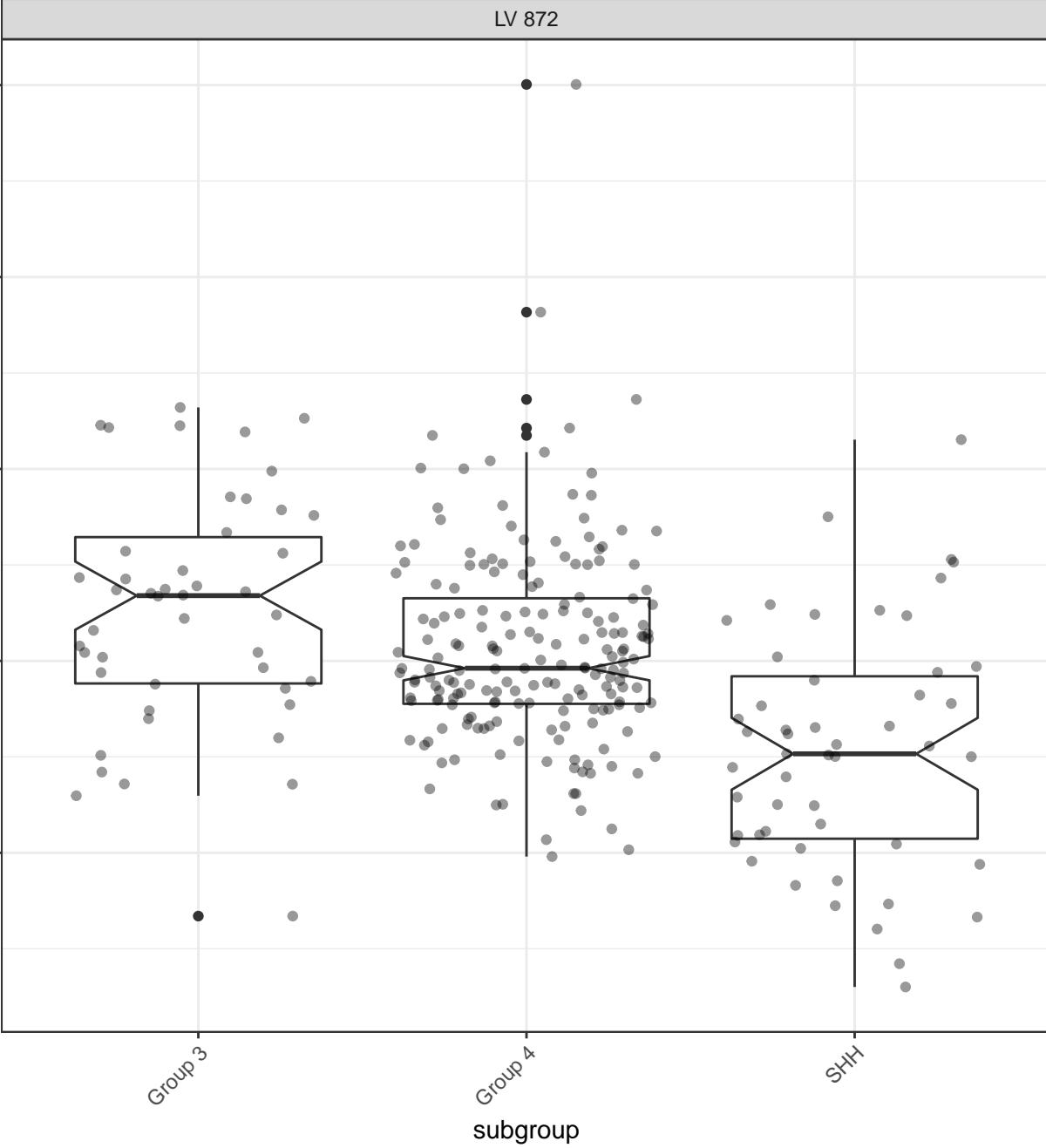
-0.05

Group 3

Group 4

SHH

subgroup



LV 873

Value

0.10

0.05

0.00

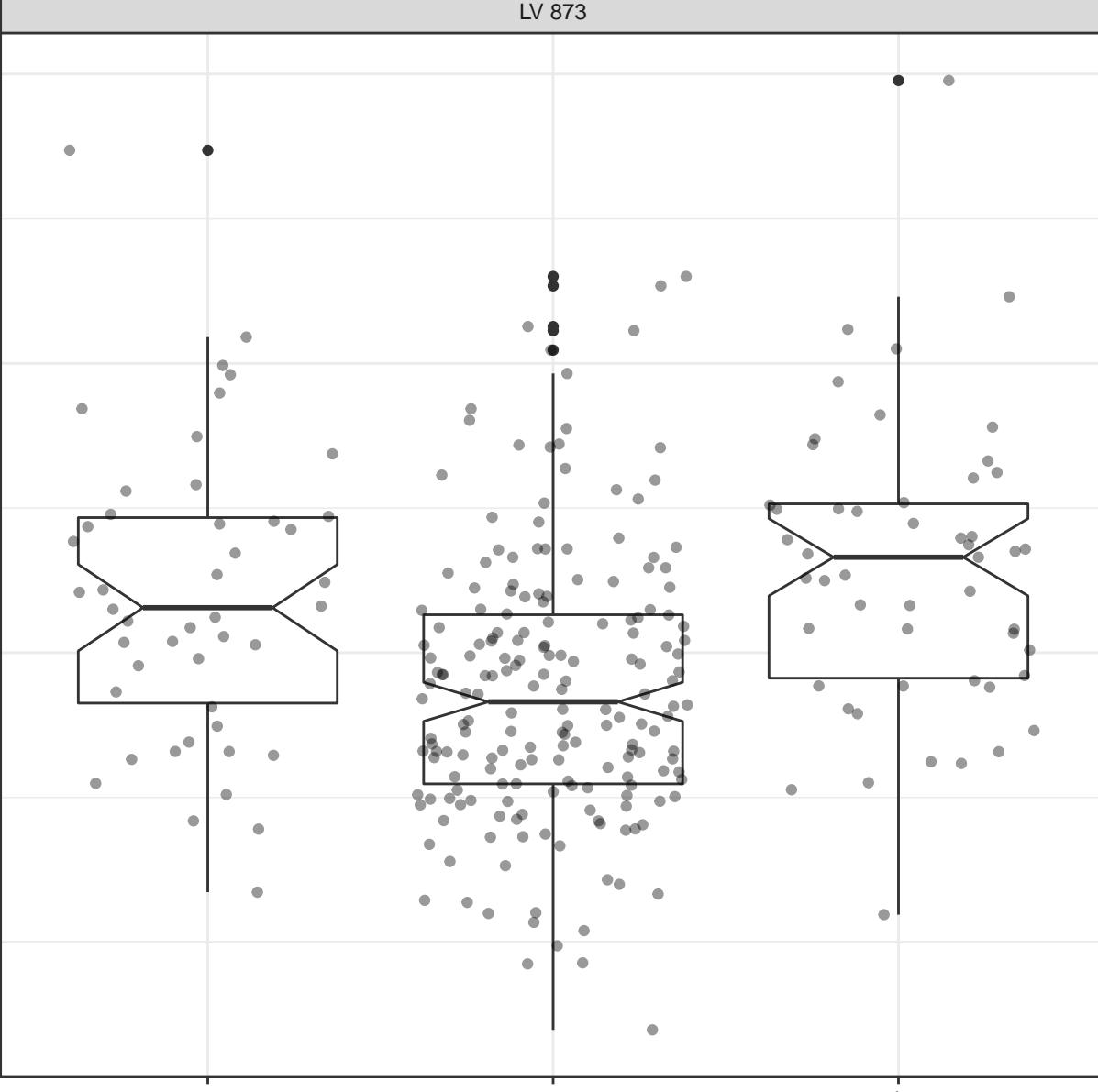
-0.05

Group 3

subgroup

Group 4

SHH



Value

0.05

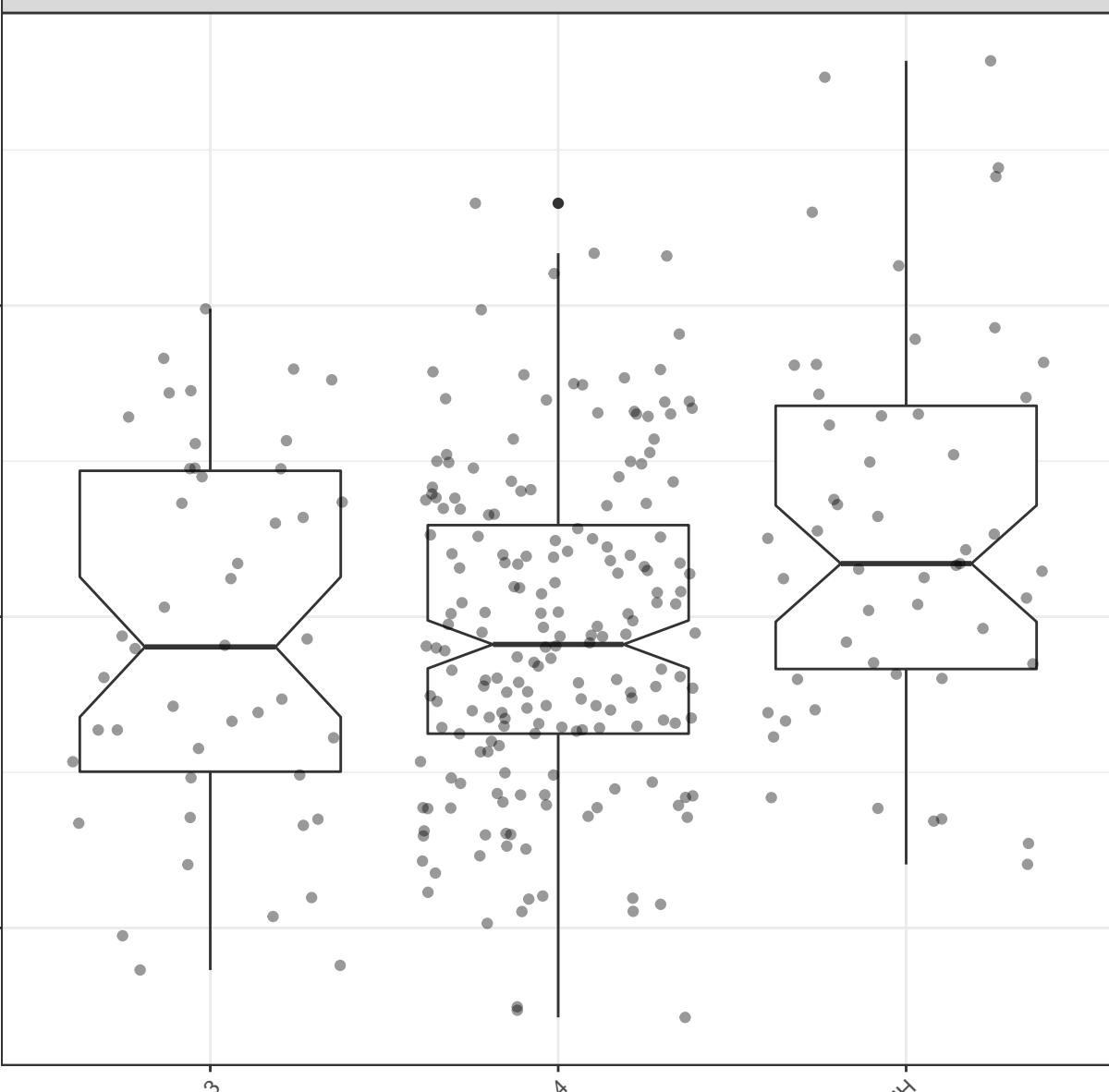
0.00

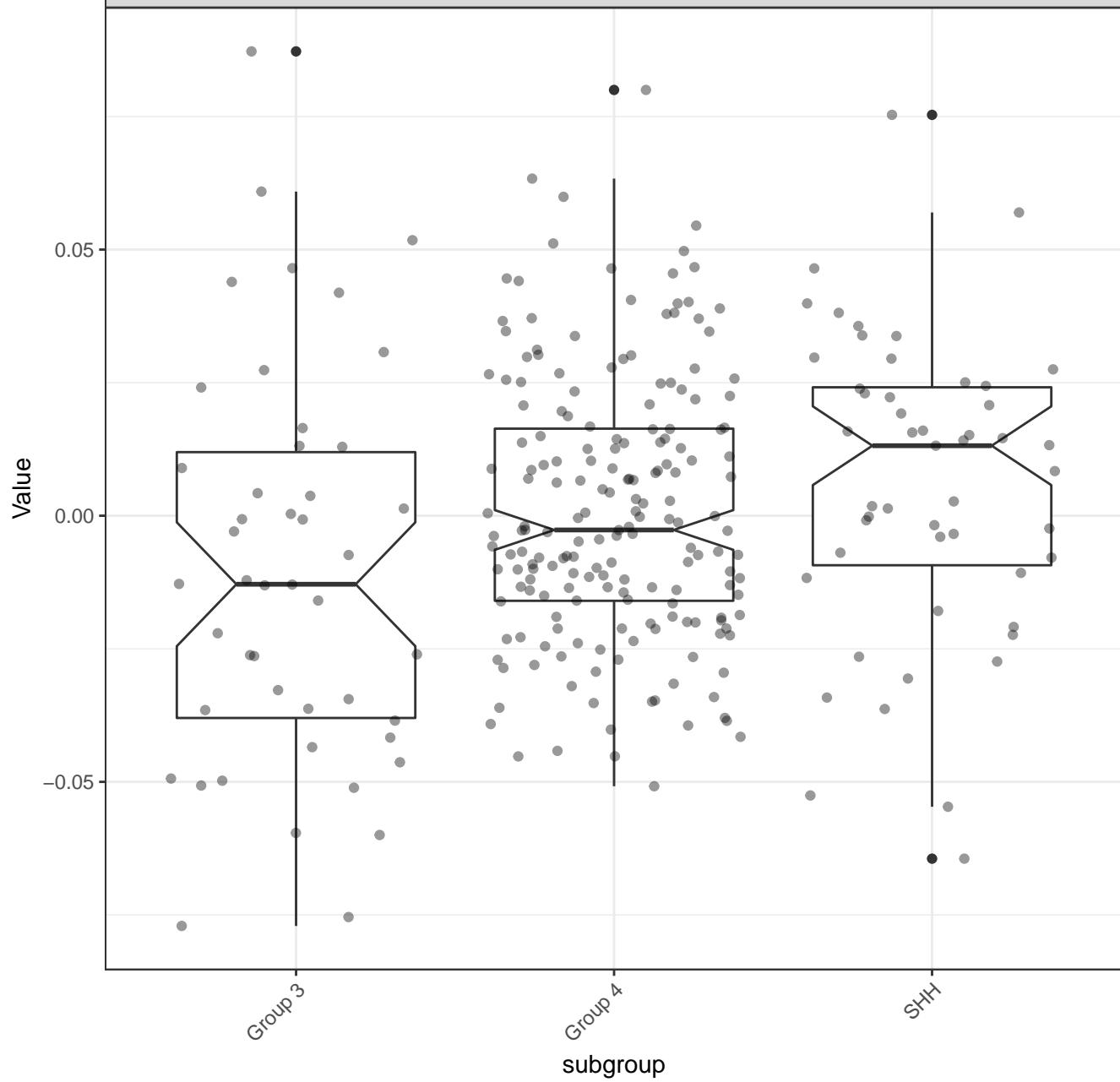
-0.05

Group 3

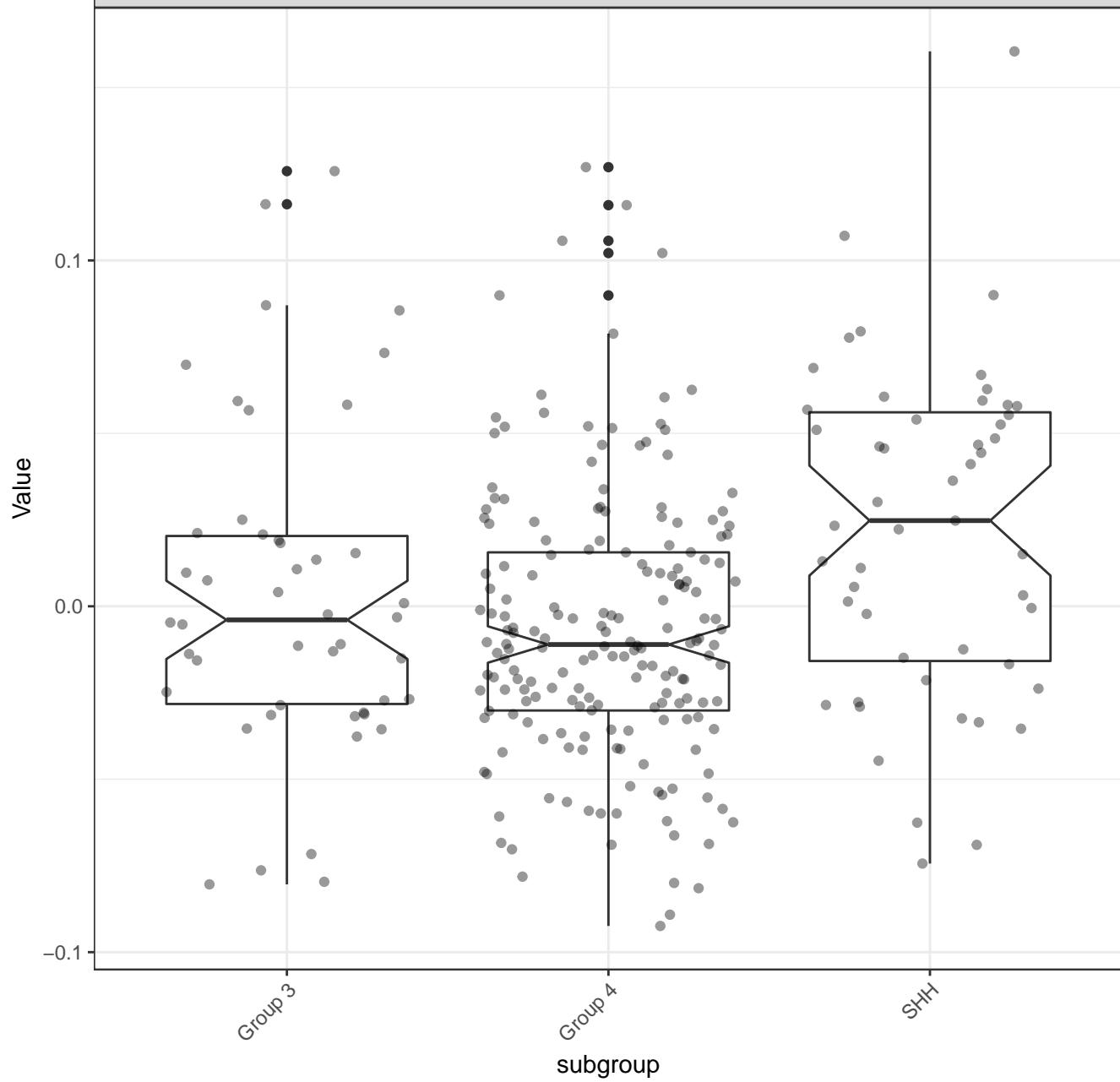
subgroup

SHH

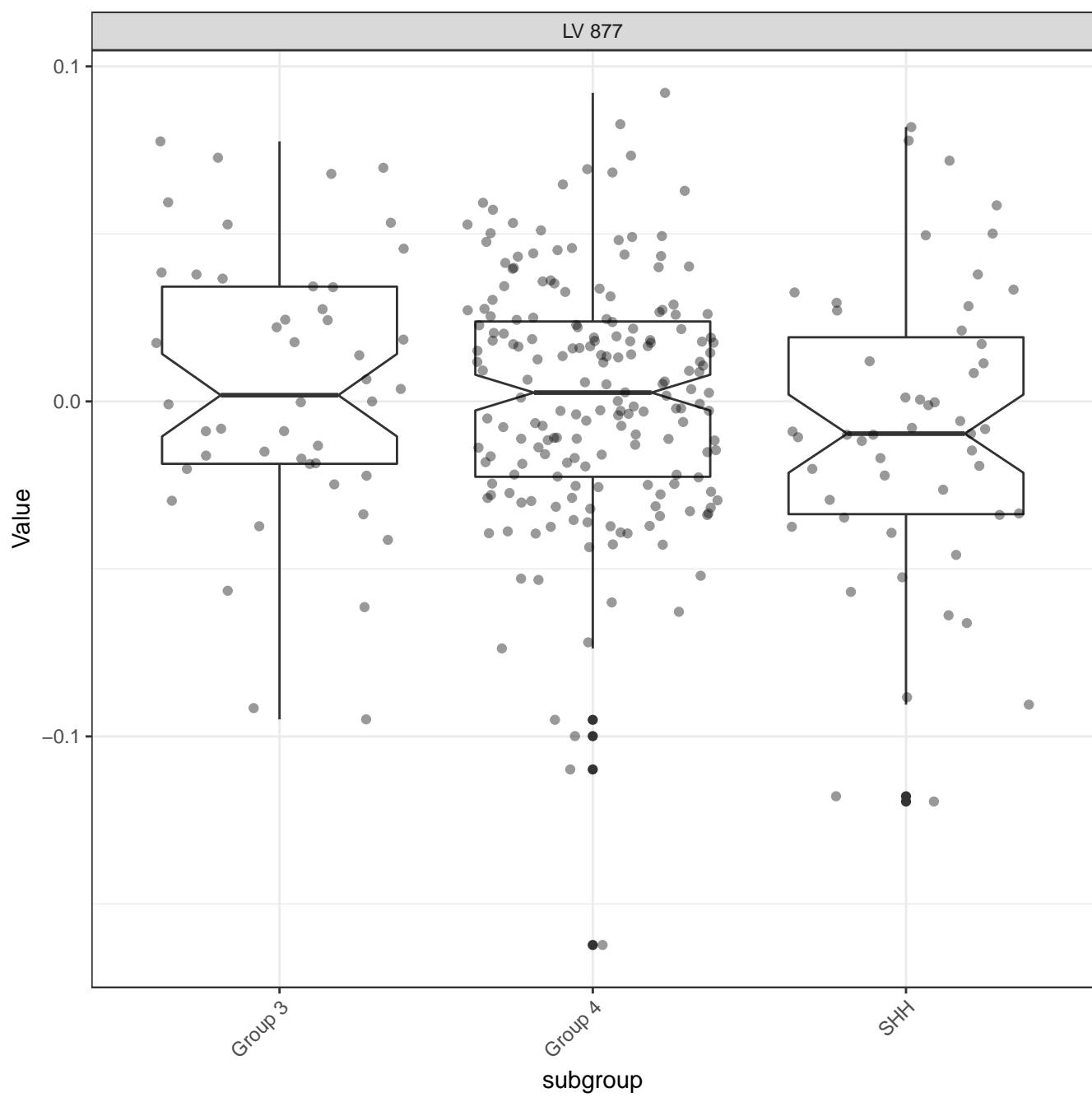




LV 876



LV 877



LV 878

Value

0.05

0.00

-0.05

-0.10

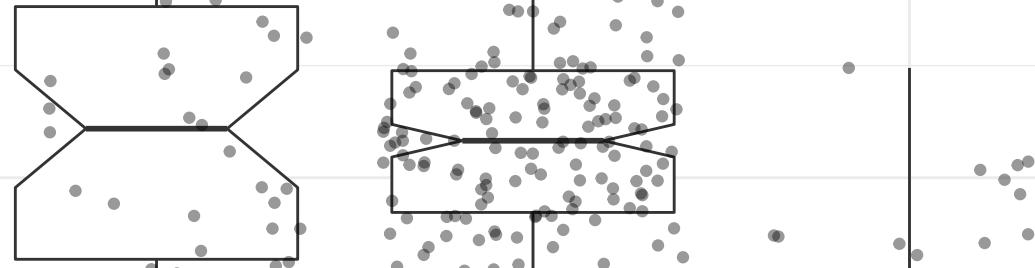
-0.15

Group 3

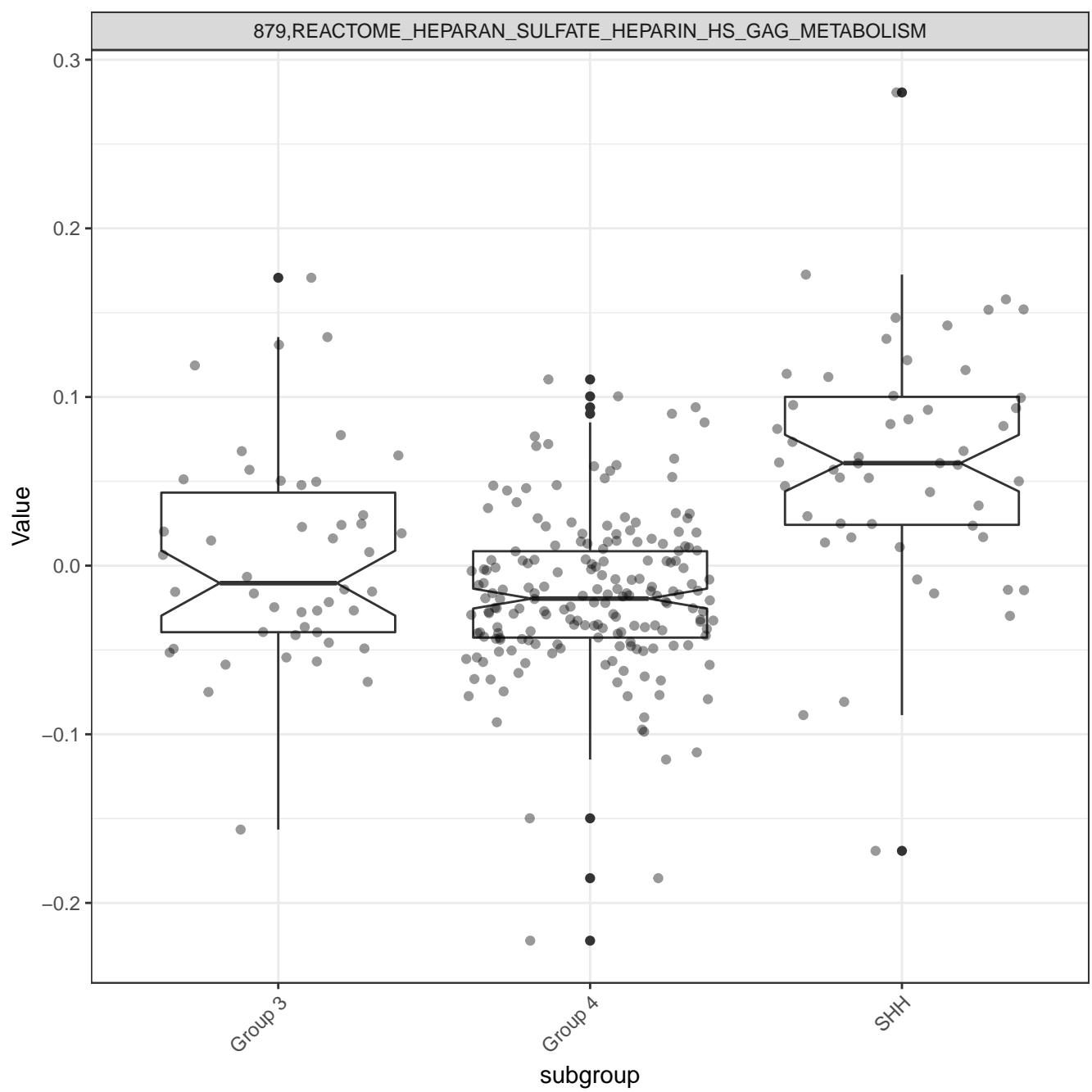
subgroup

Group 4

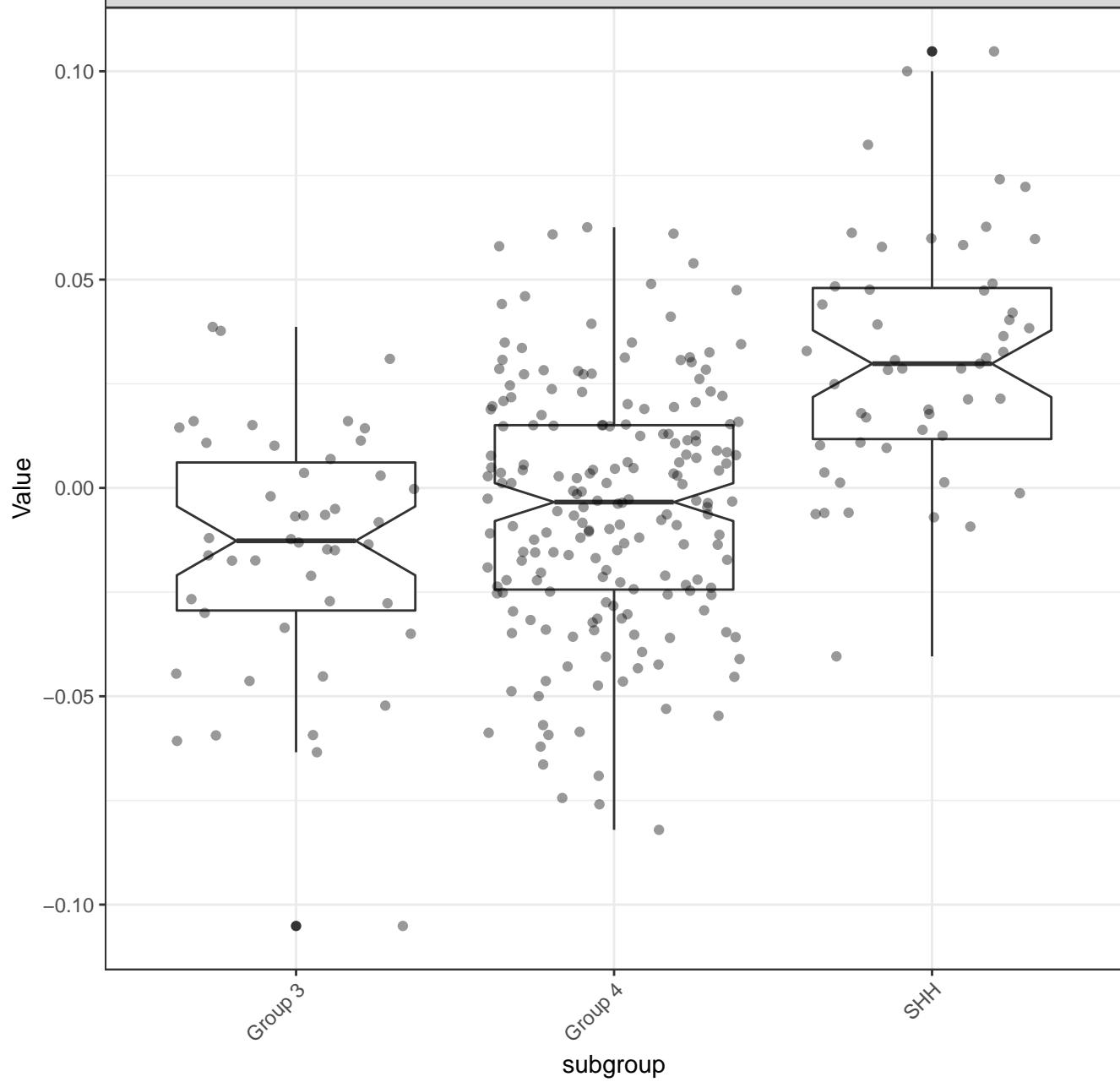
SHH



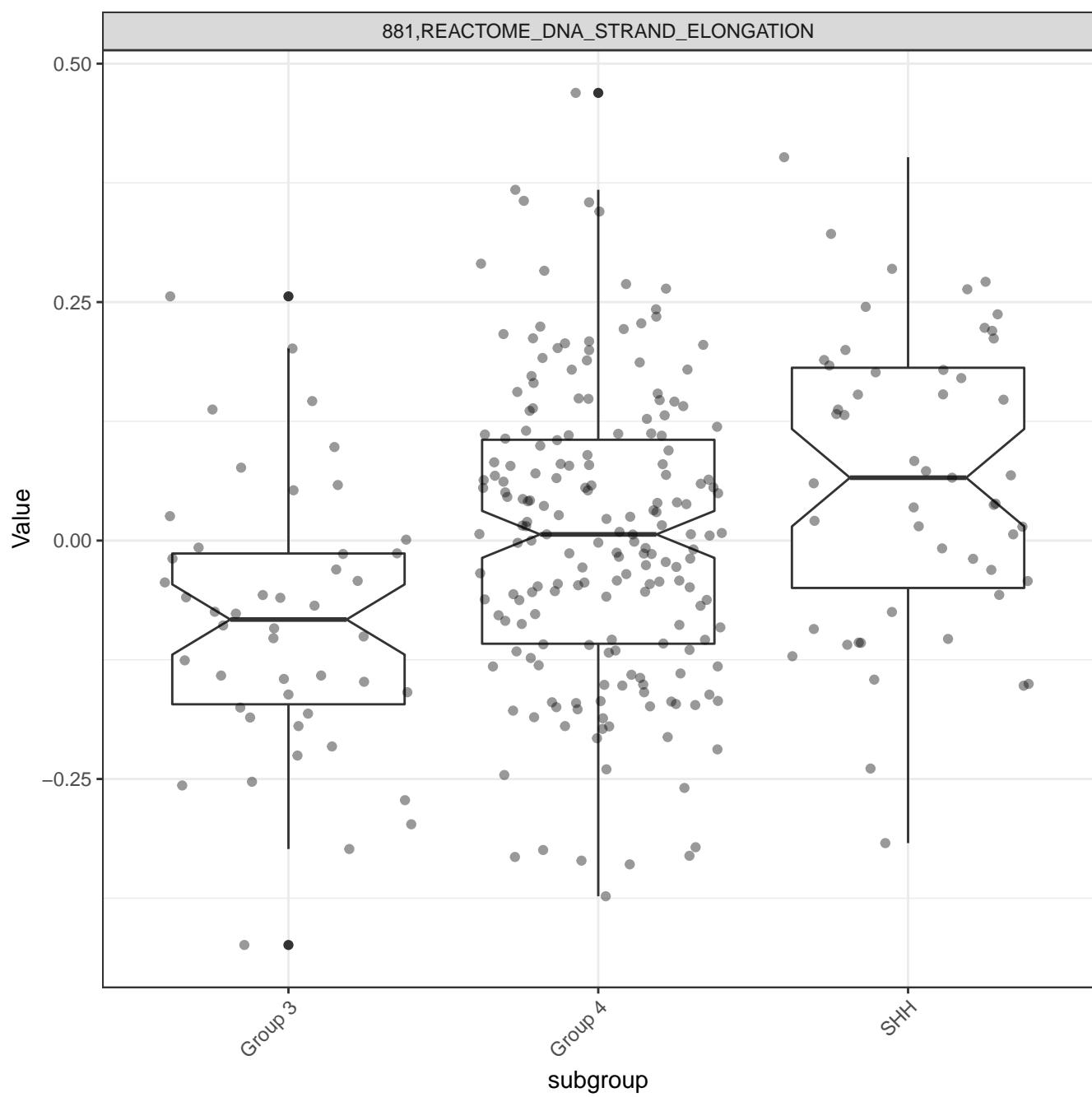
879,REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM



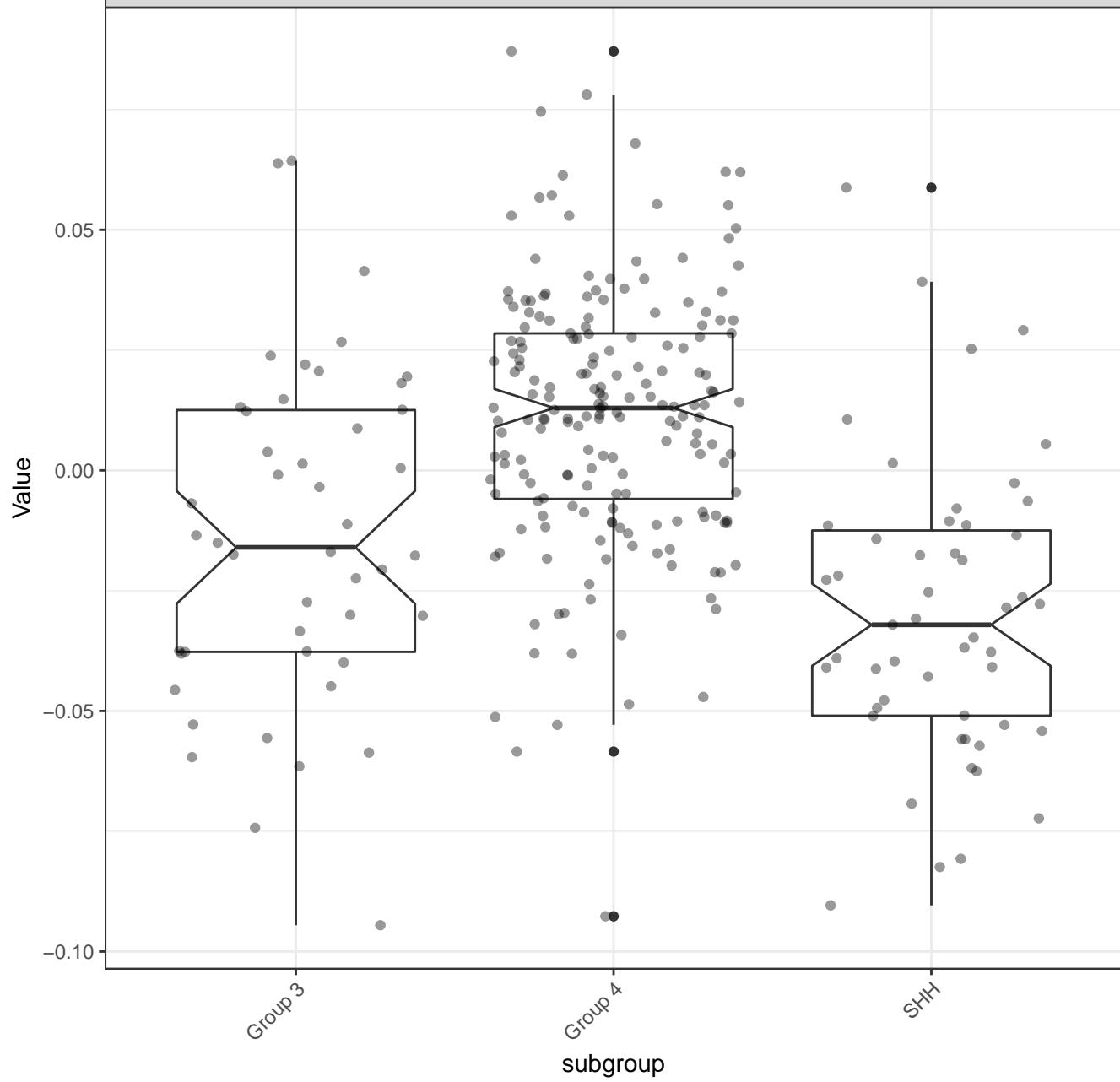
LV 880



881,REACTOME_DNA_STRAND_ELONGATION



LV 882



LV 883

Value

0.10

0.05

0.00

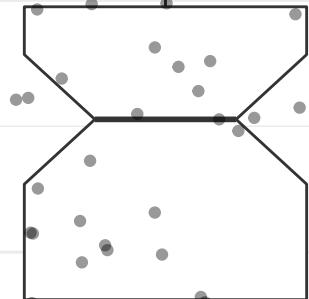
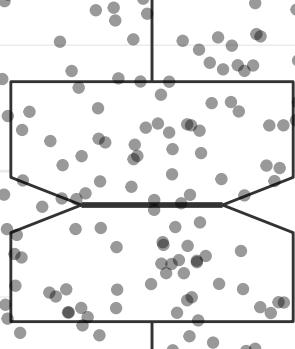
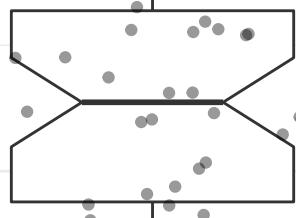
-0.05

-0.10

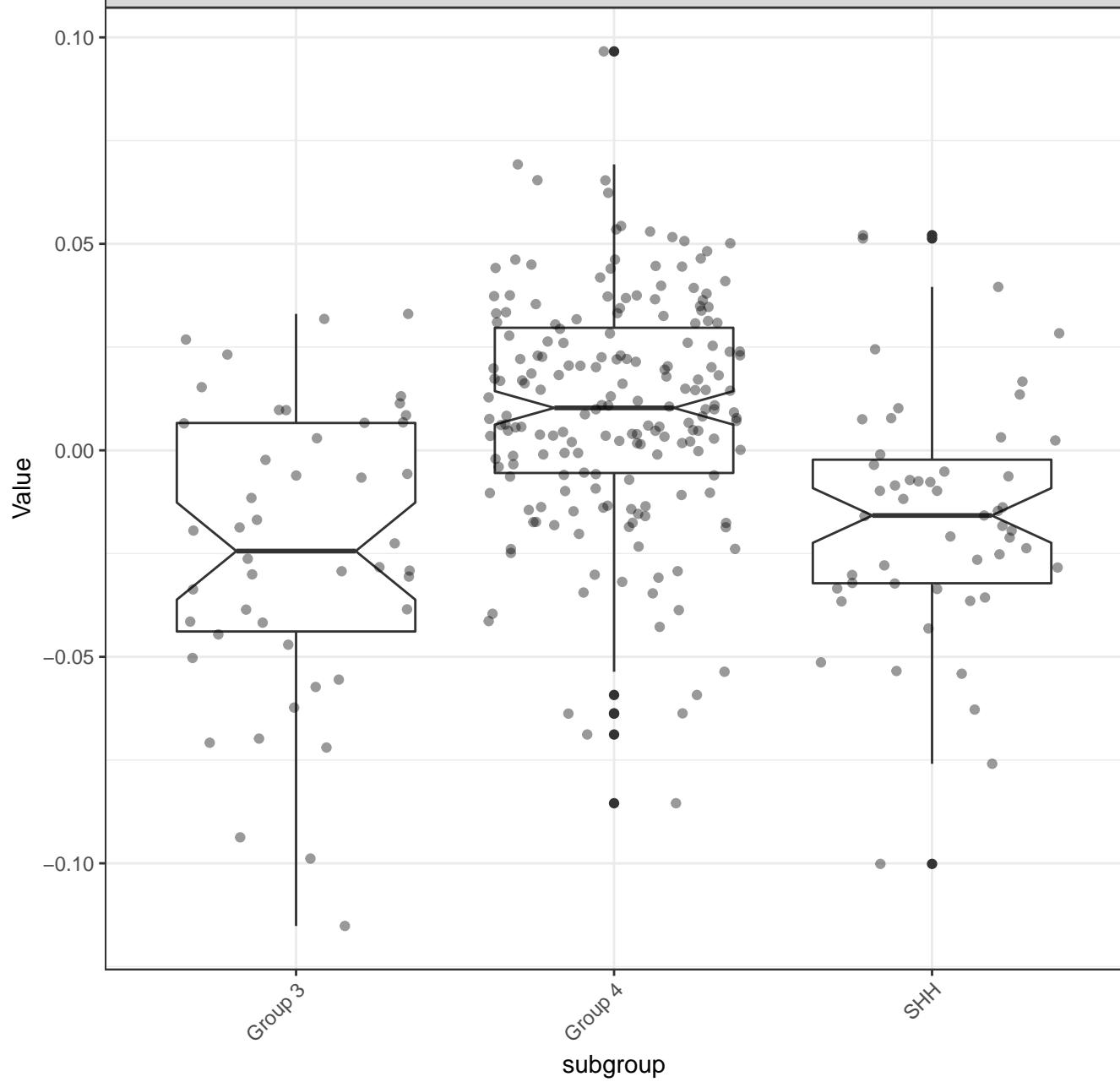
Group 3

subgroup

SHH



LV 884



LV 885

Value

0.3

0.2

0.1

0.0

-0.1

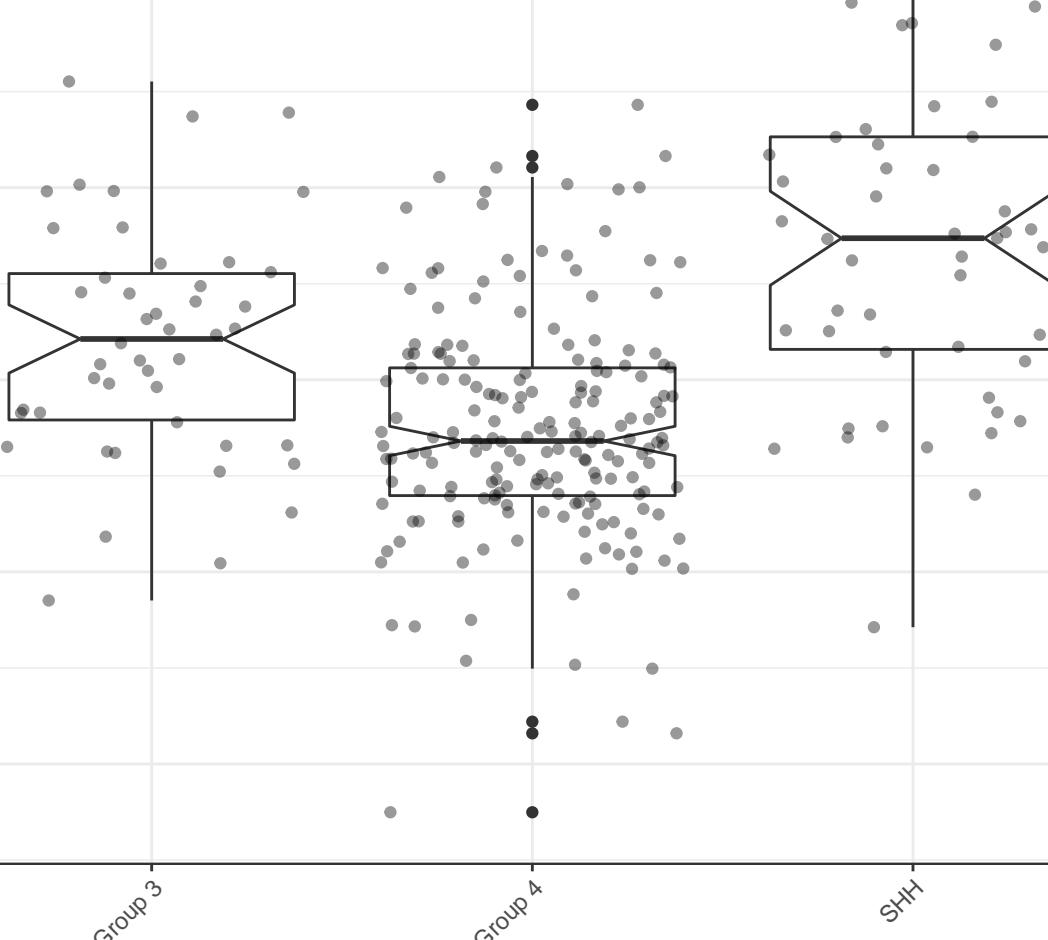
-0.2

Group 3

Group 4

SHH

subgroup



LV 886

Value

0.1

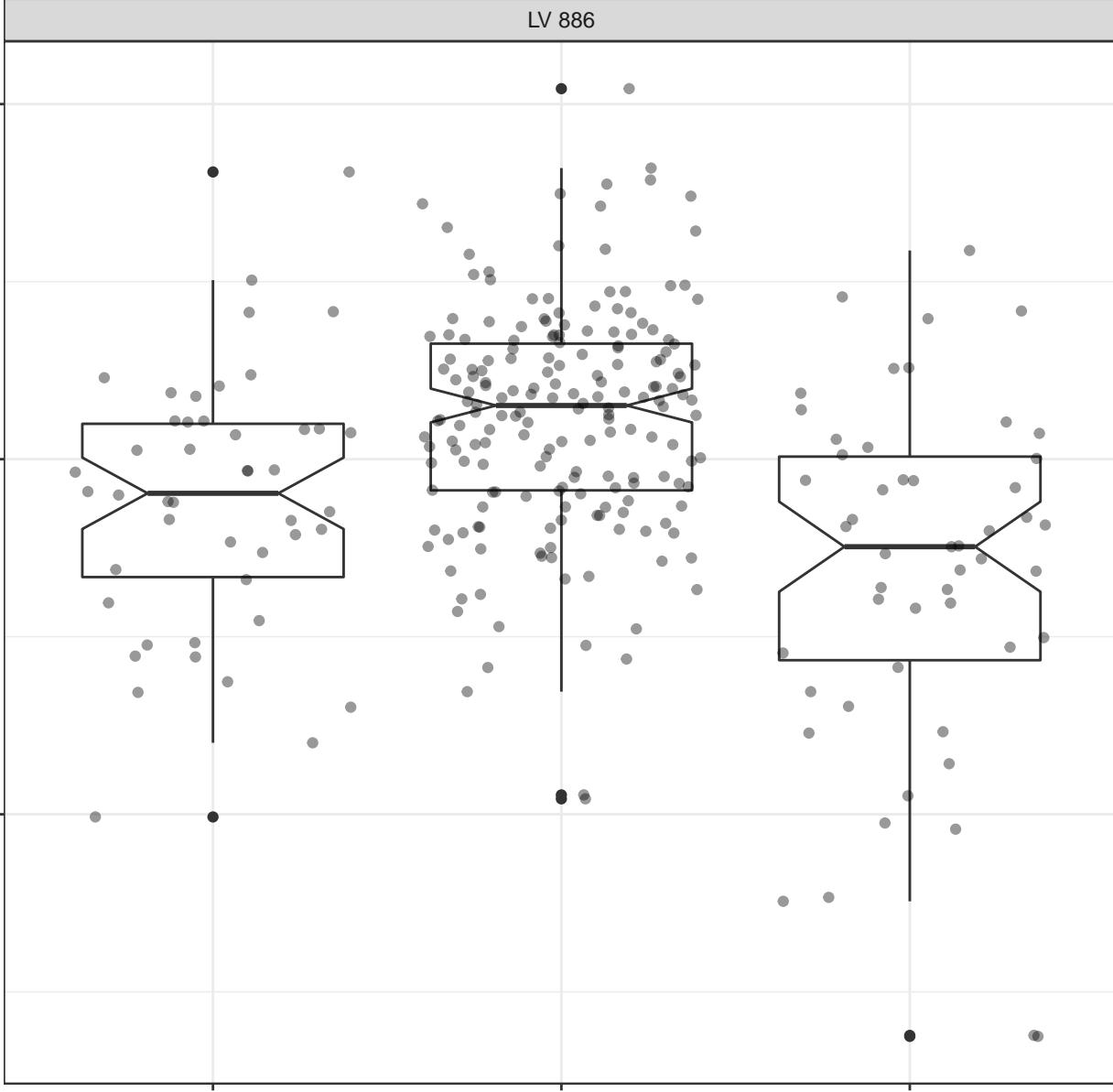
0.0

-0.1

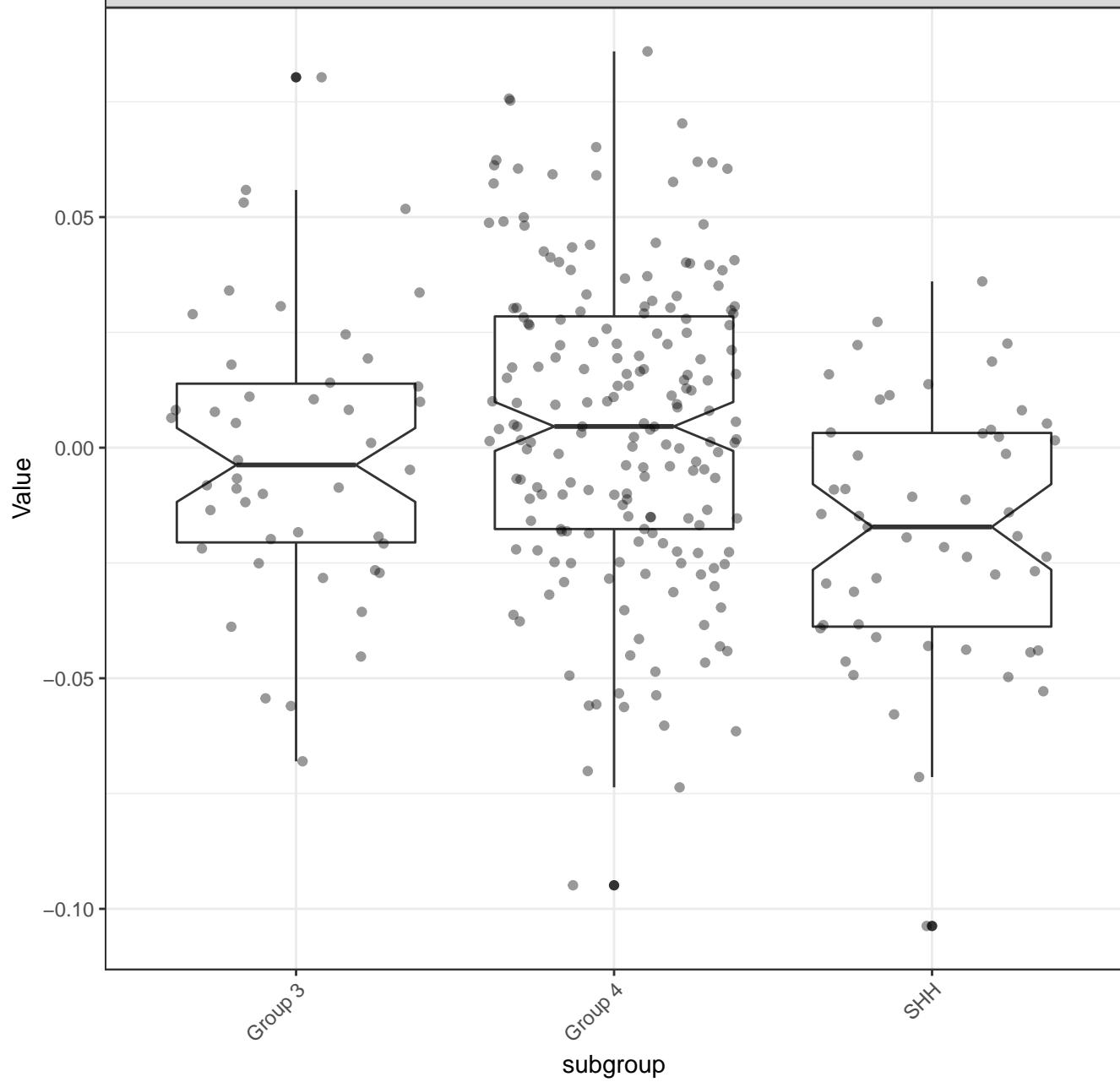
Group³Group⁴

SHH

subgroup



LV 887



LV 888

Value

0.10

0.05

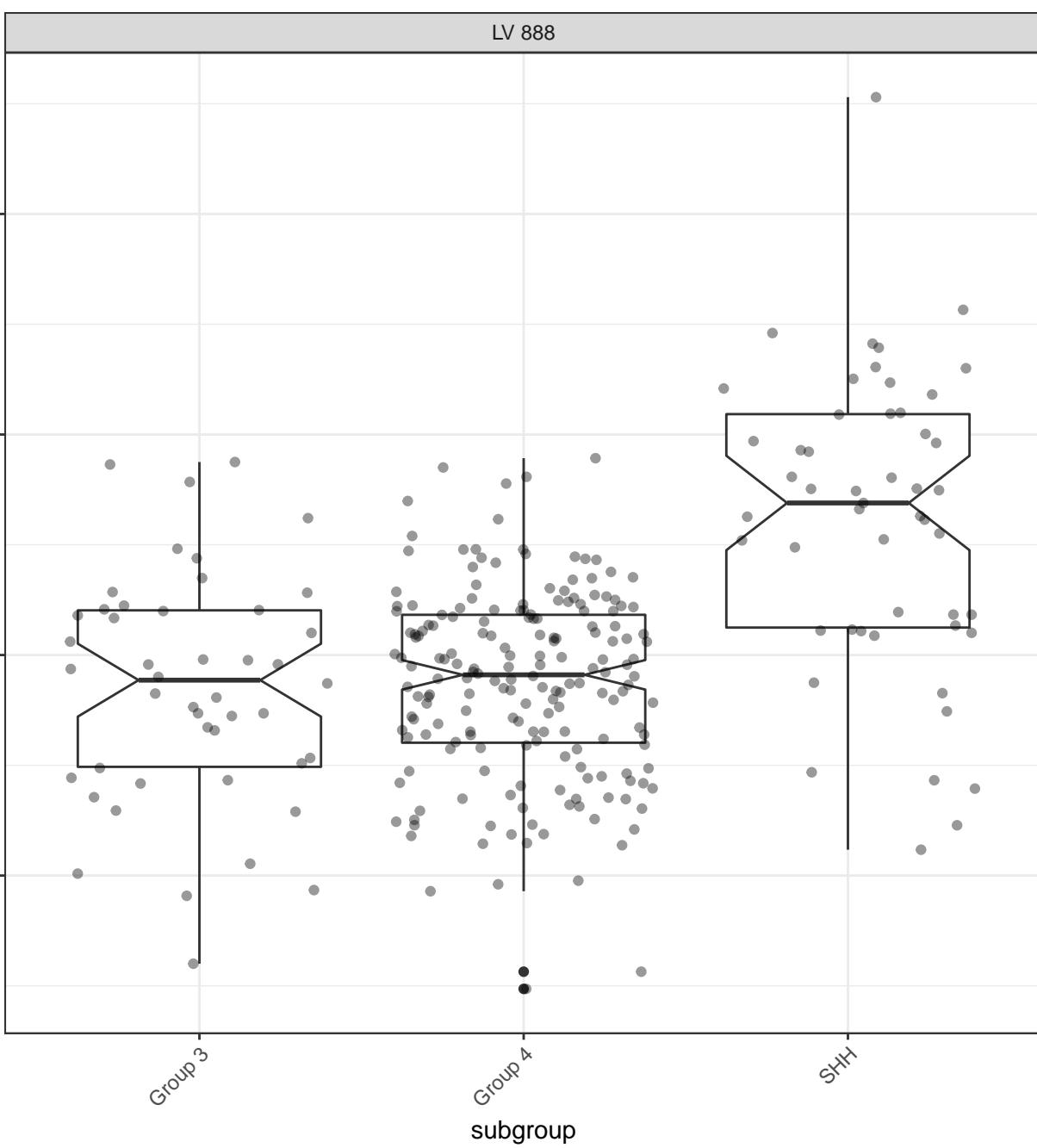
0.00

-0.05

Group 3

subgroup

SHH



LV 889

Value

0.1

0.0

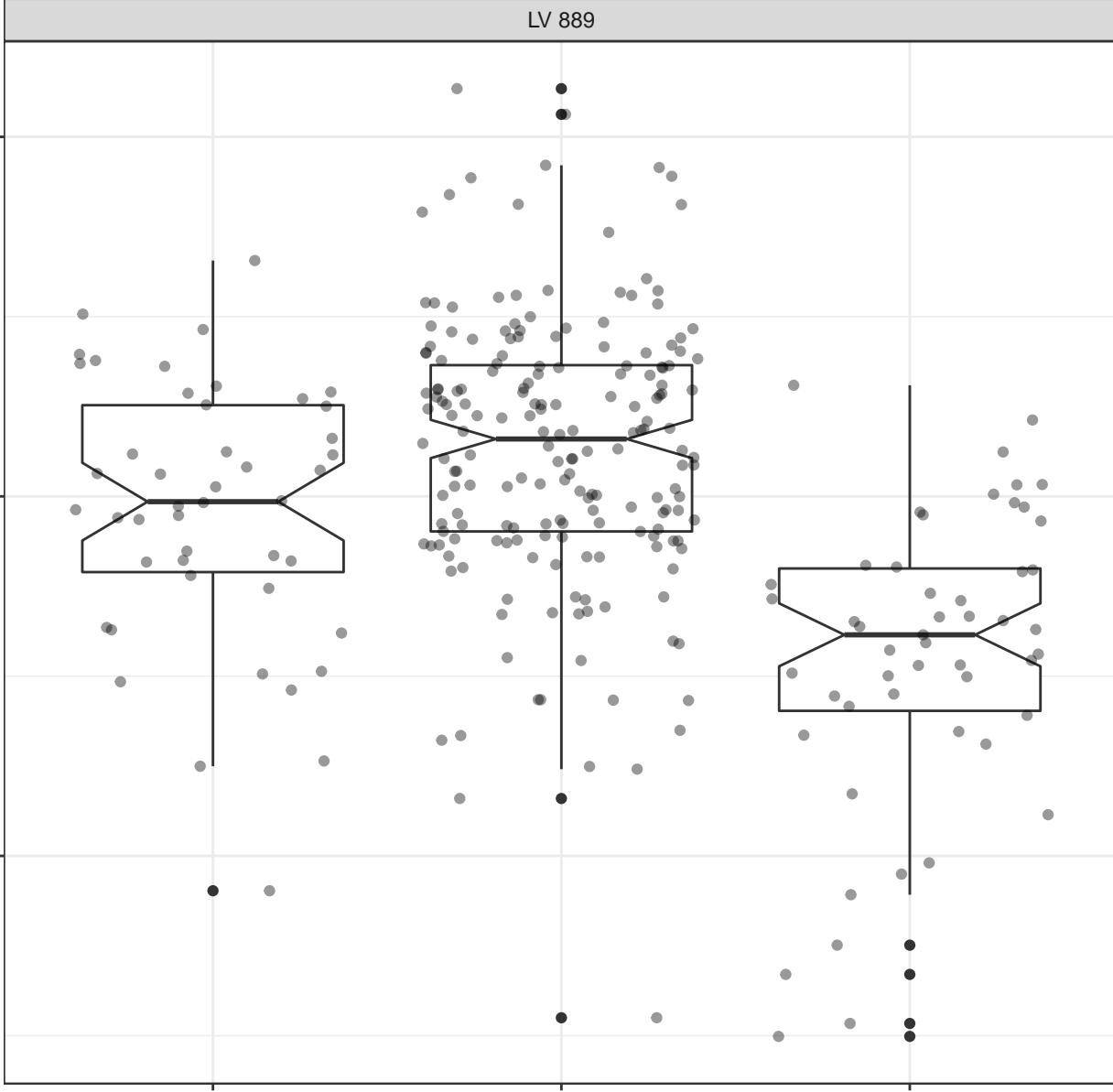
-0.1

Group 3

Group 4

SHH

subgroup



LV 890

Value

0.1

0.0

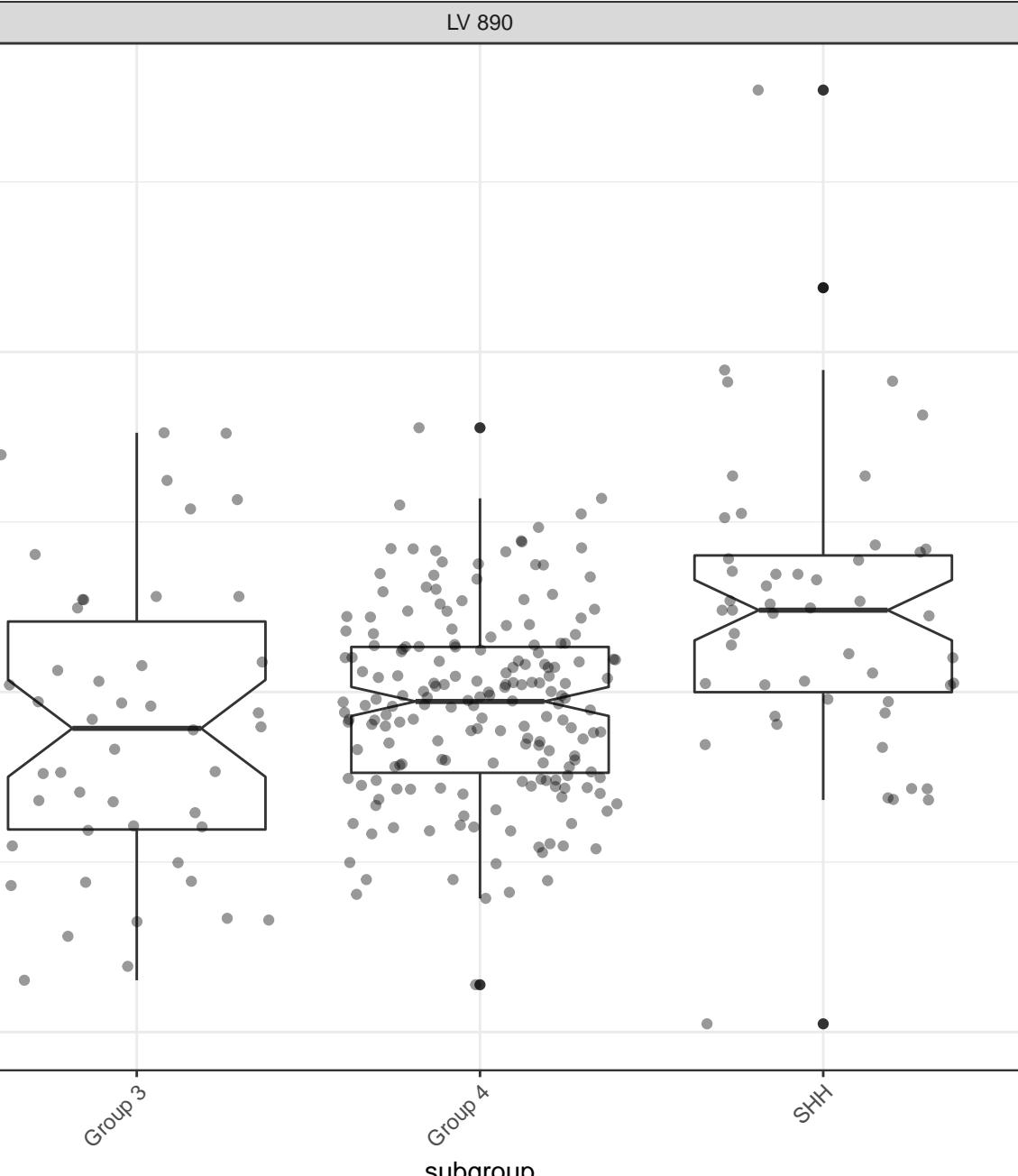
-0.1

Group³

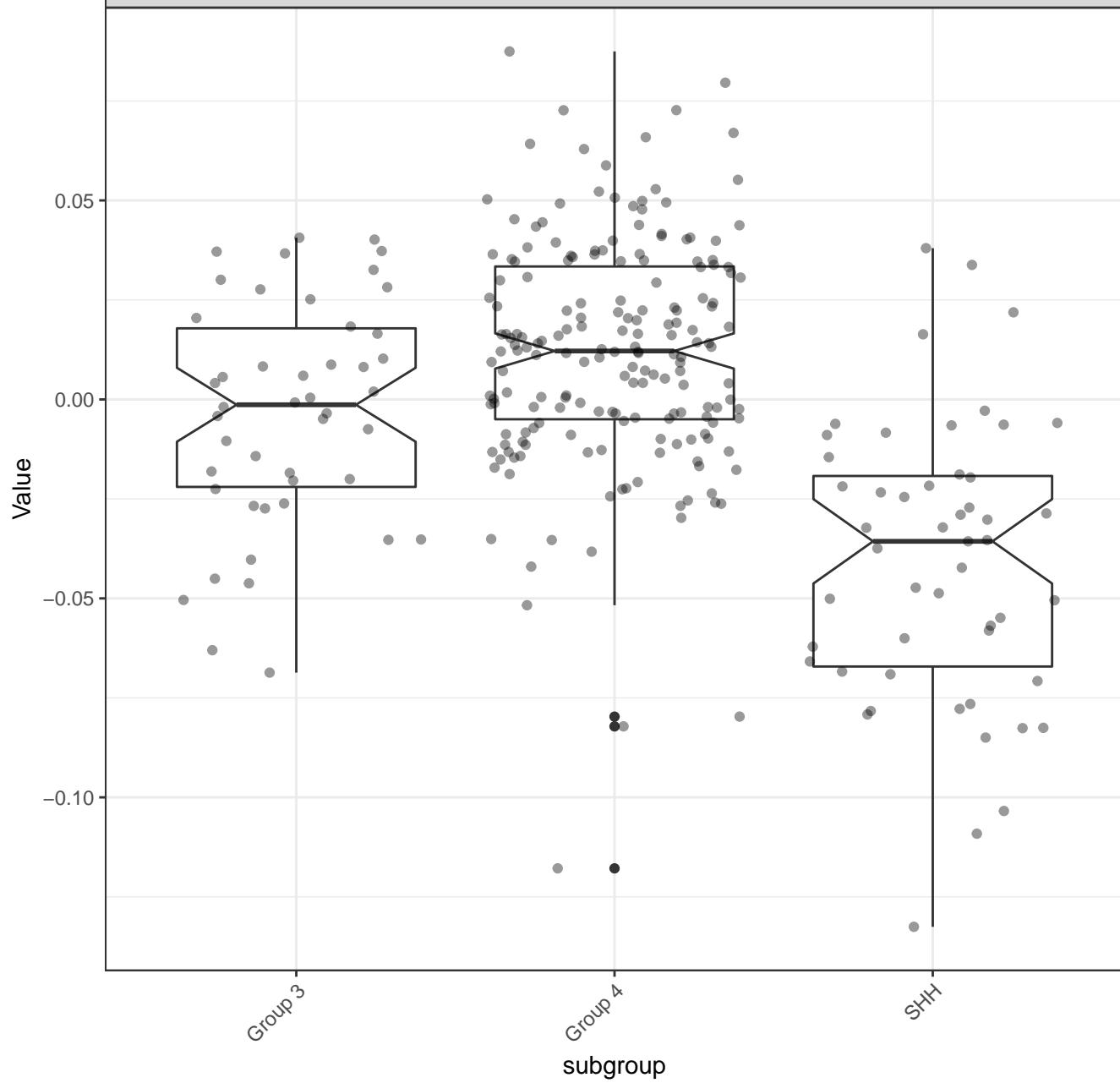
Group⁴

SHH

subgroup



LV 891



LV 892

Value

0.10

0.05

0.00

-0.05

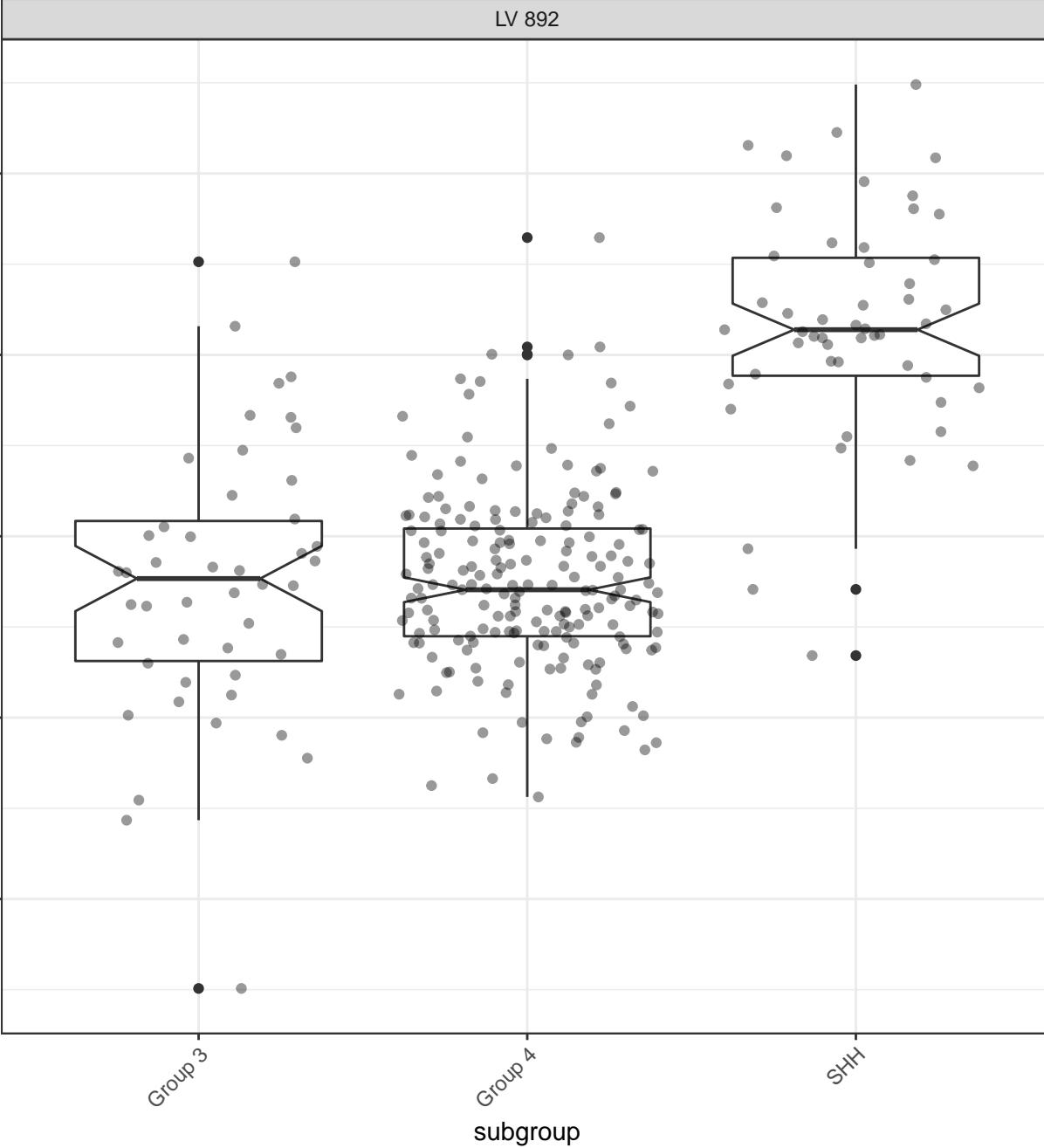
-0.10

Group 3

Group 4

SHH

subgroup



LV 893

Value

0.10

0.05

0.00

-0.05

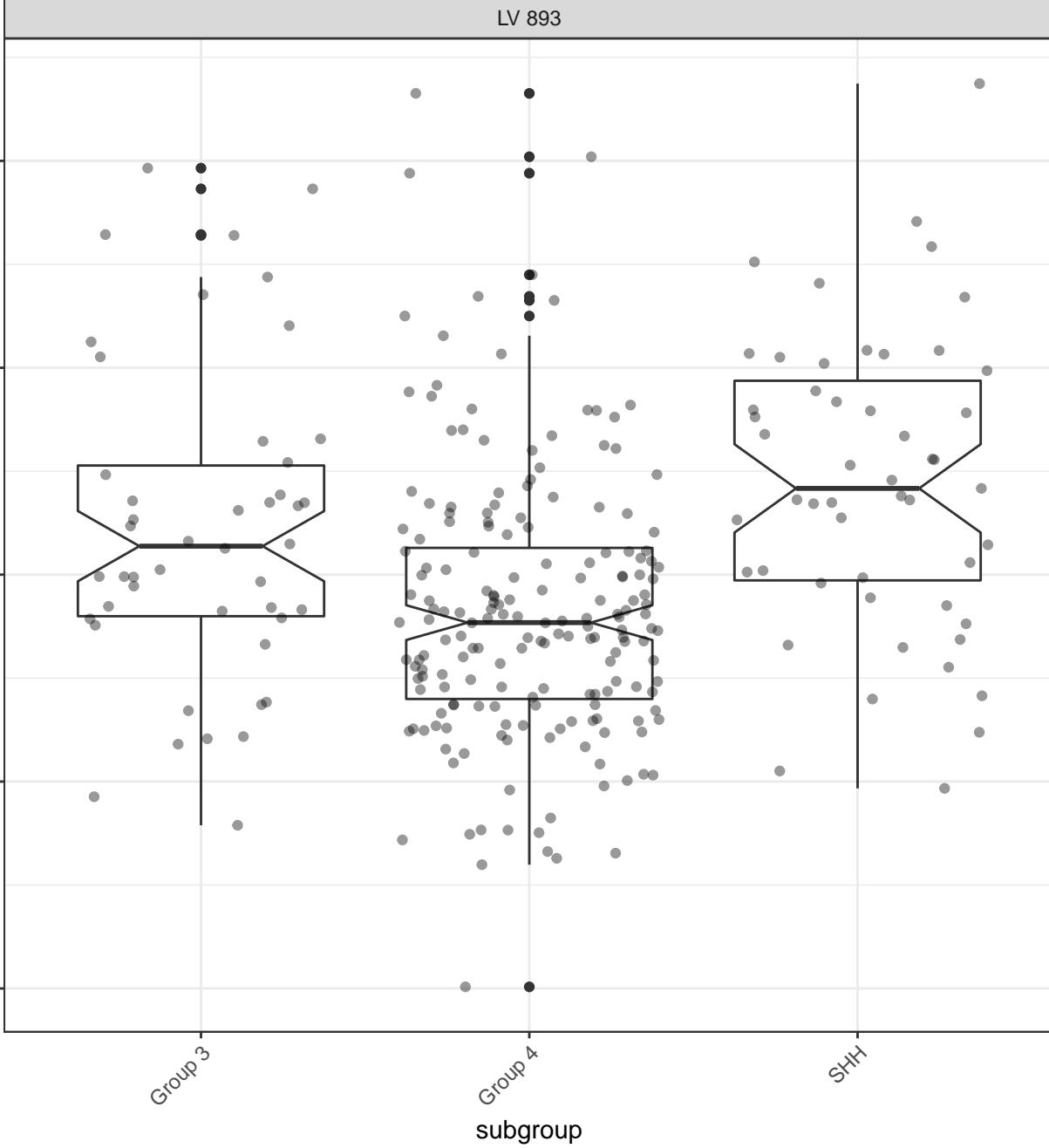
-0.10

Group 3

Group 4

SHH

subgroup



LV 894

Value

0.05

0.00

-0.05

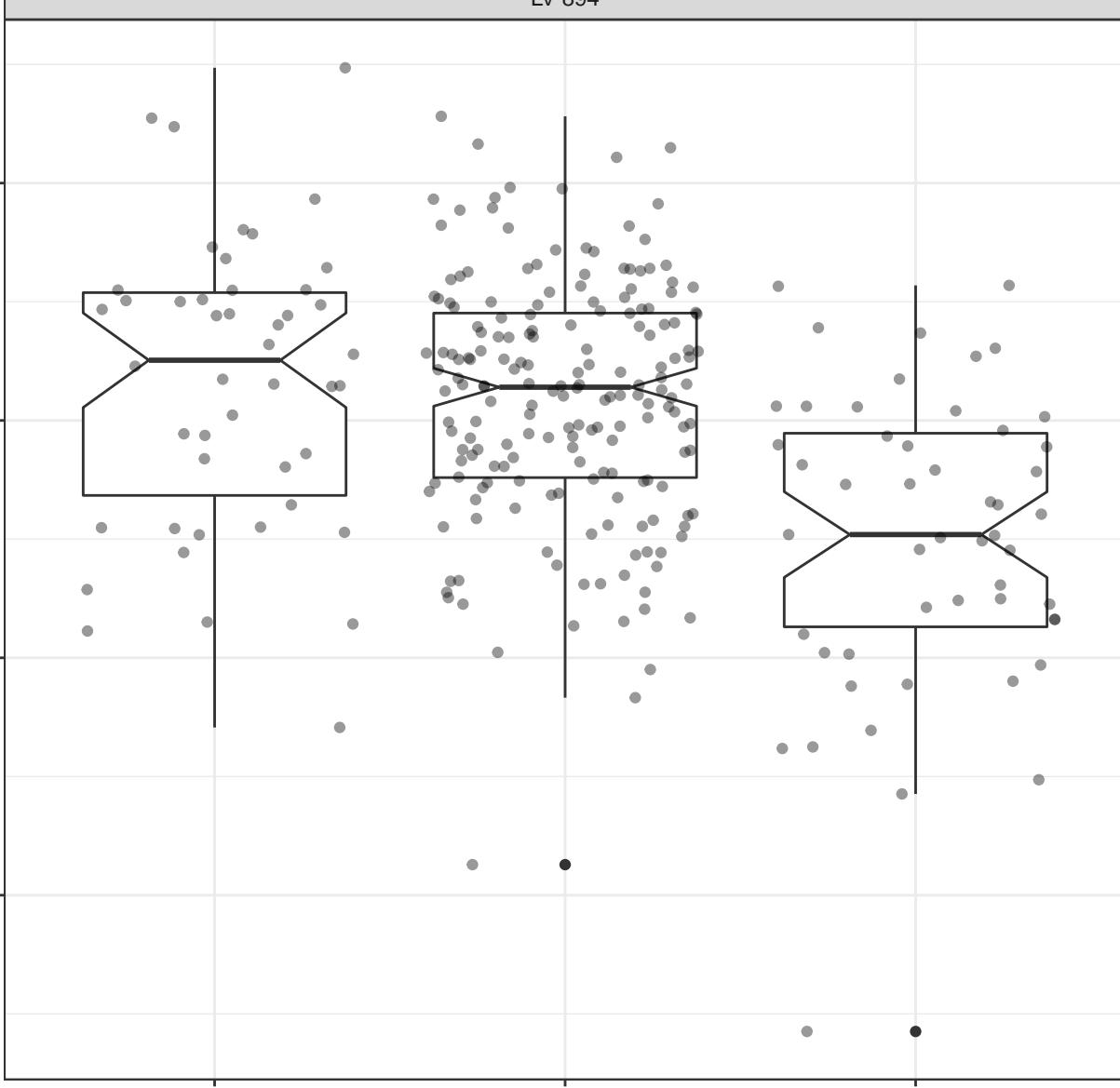
-0.10

Group 3

Group 4

SHH

subgroup



LV 895

Value

0.04

0.00

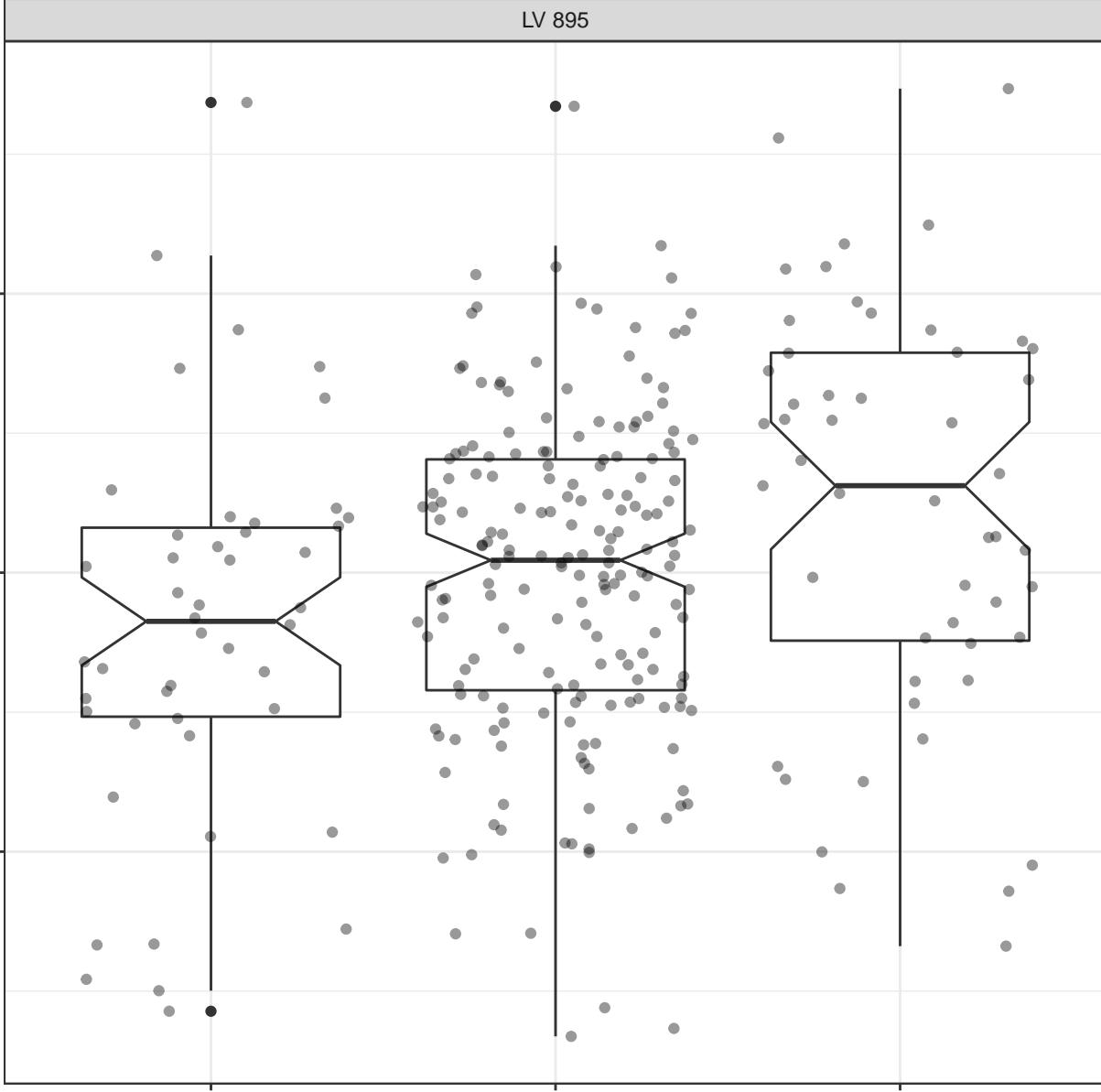
-0.04

Group 3

subgroup

Group 4

SHH



LV 896

Value

0.05

0.00

-0.05

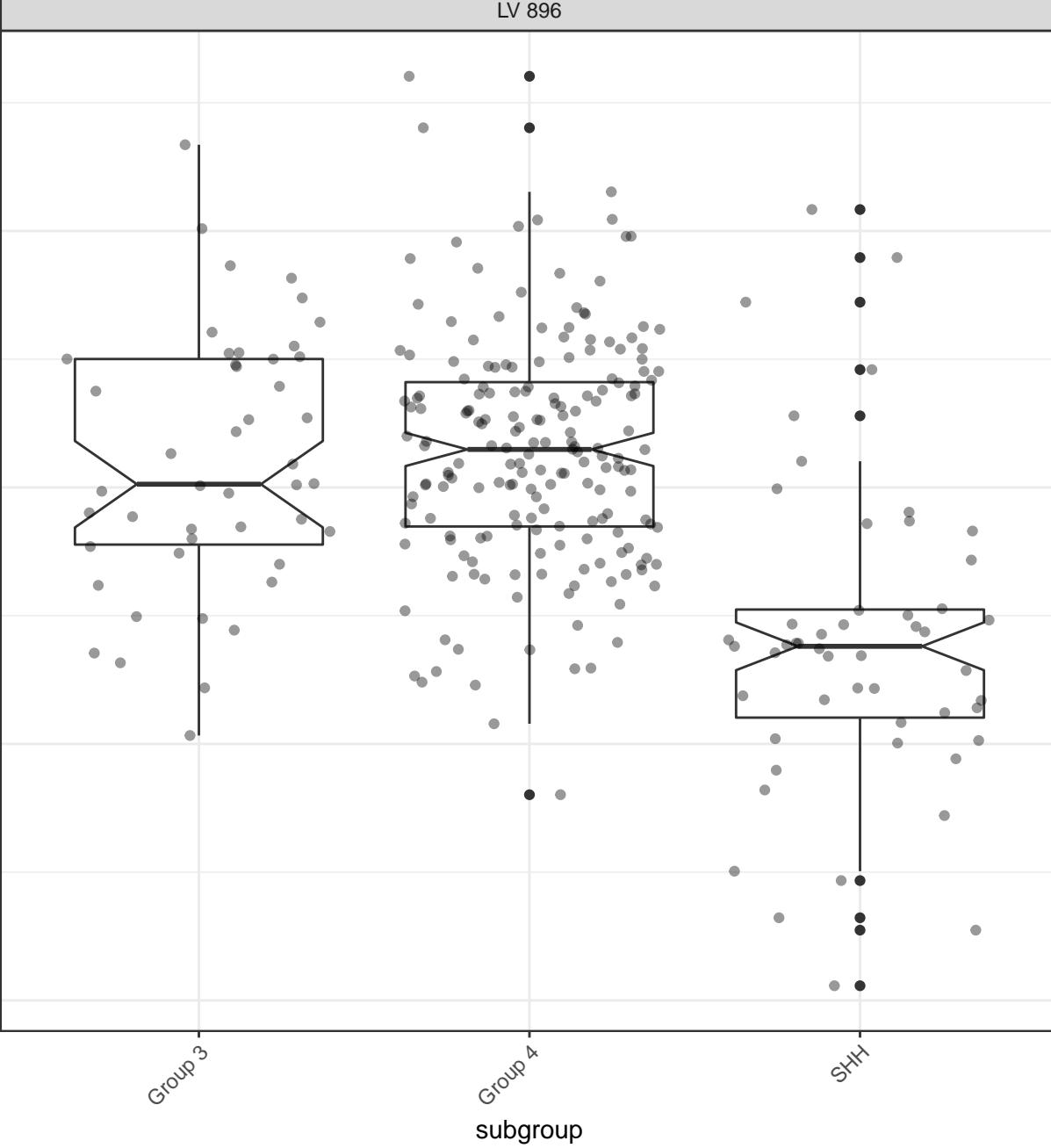
-0.10

Group 3

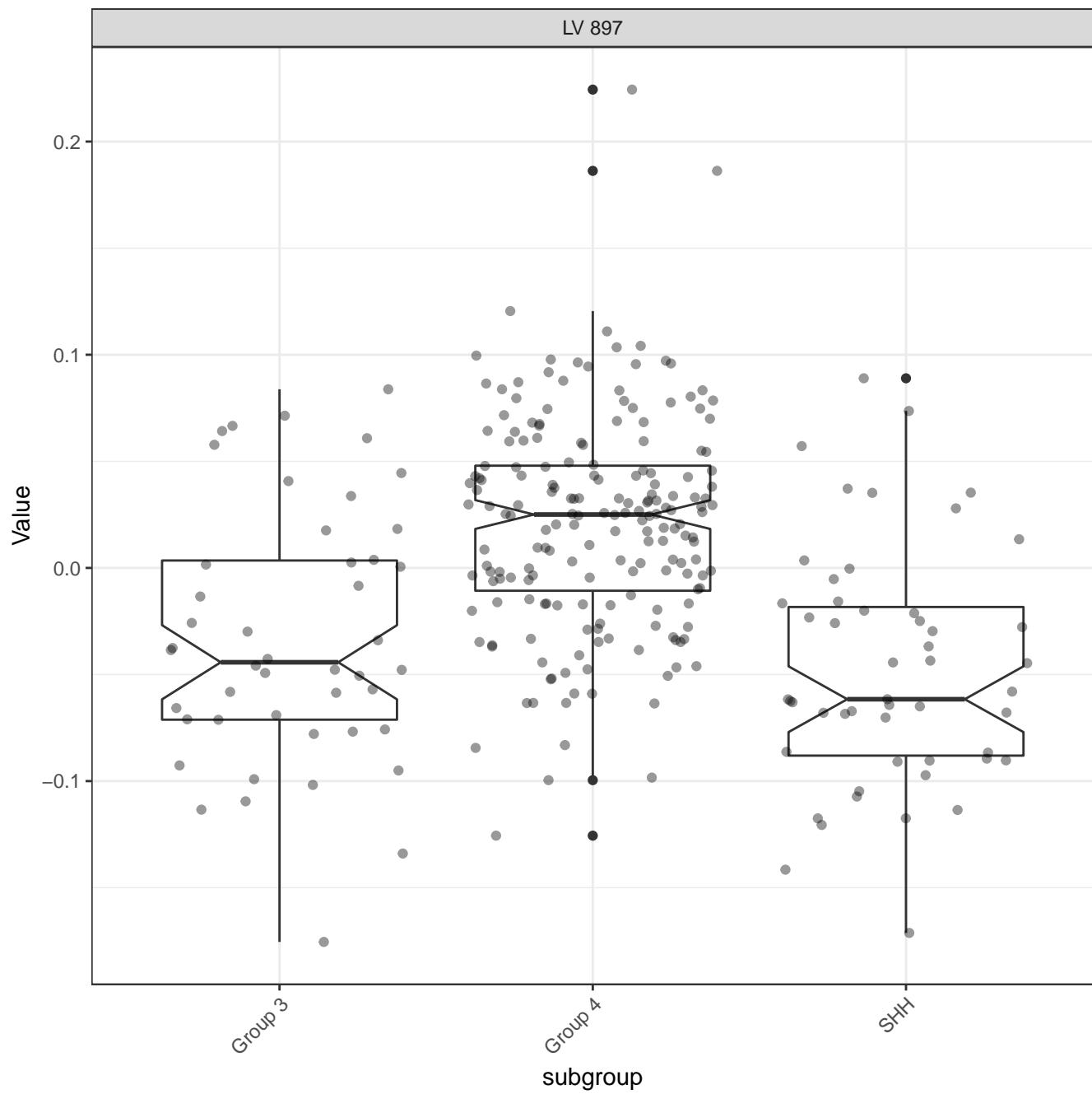
Group 4

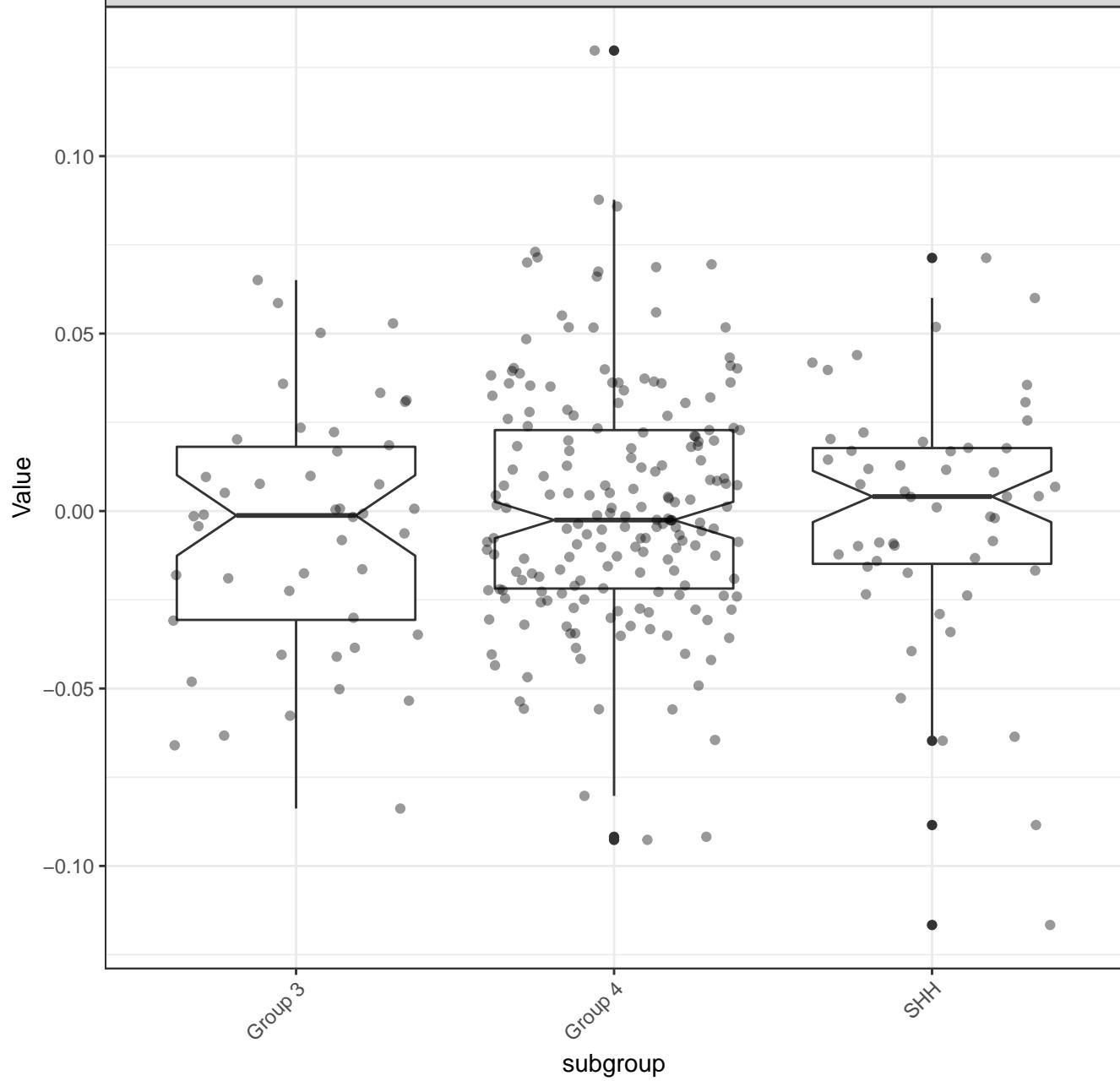
SHH

subgroup

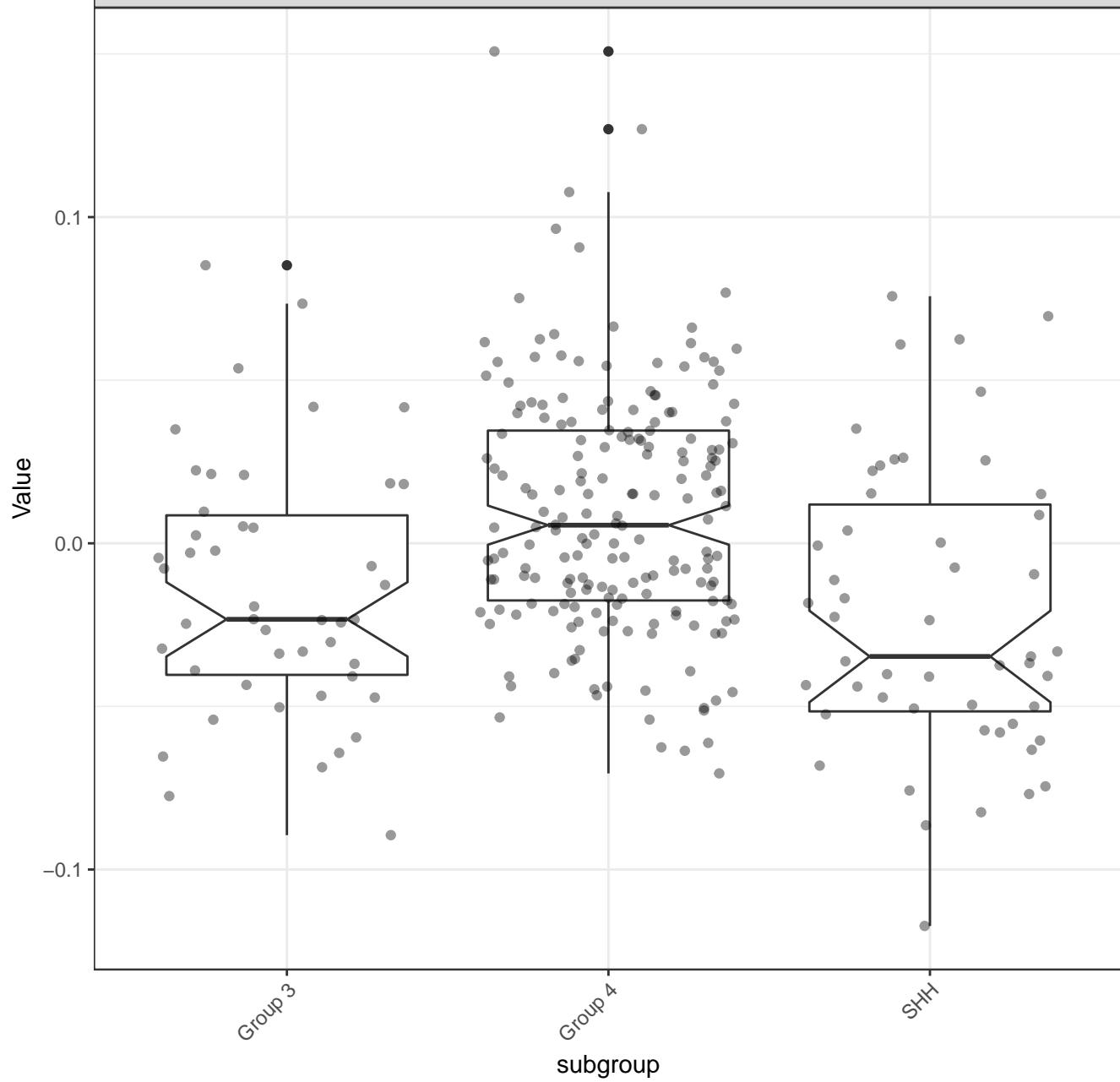


LV 897





LV 899



LV 900

Value

0.10

0.05

0.00

-0.05

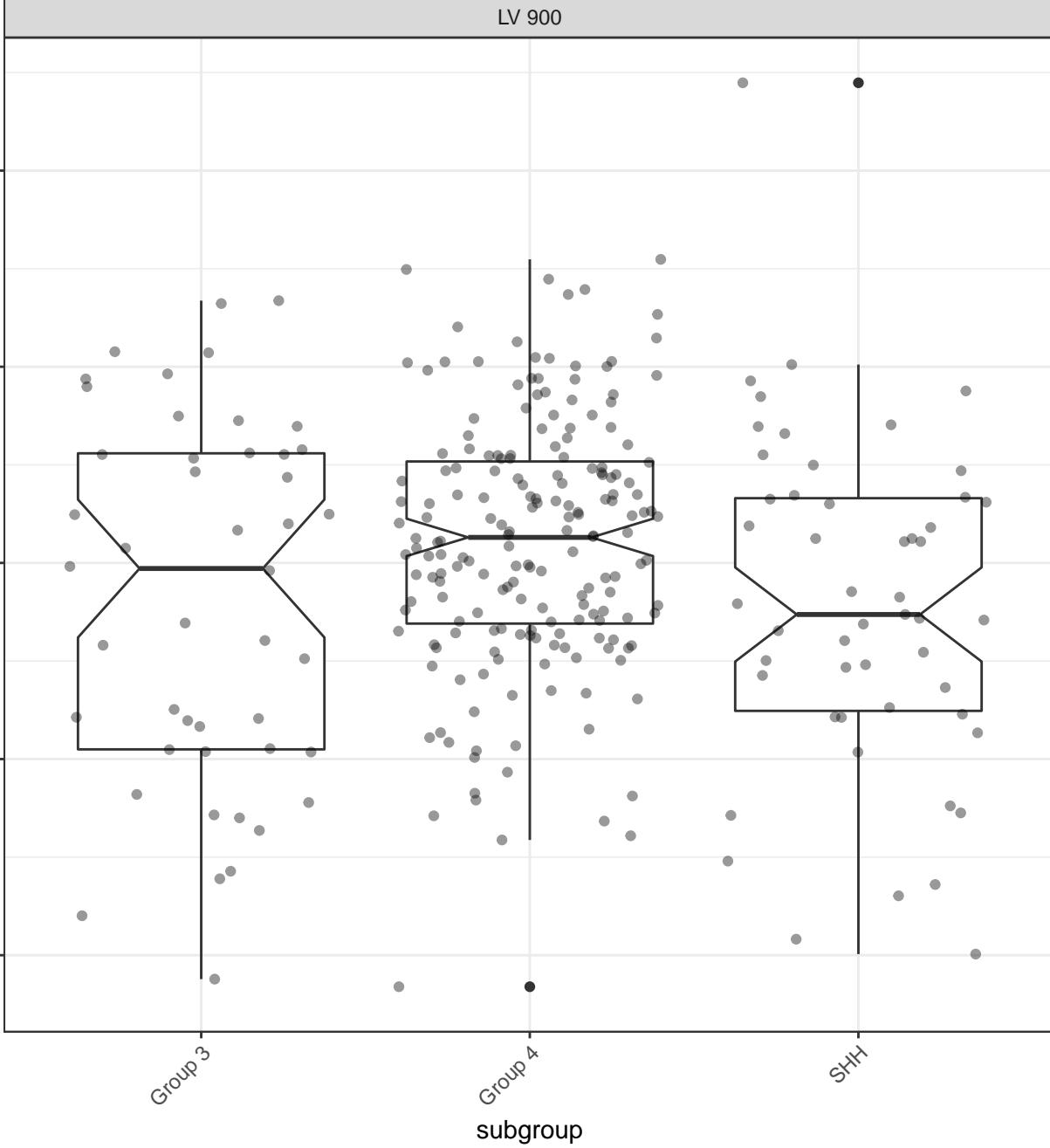
-0.10

Group 3

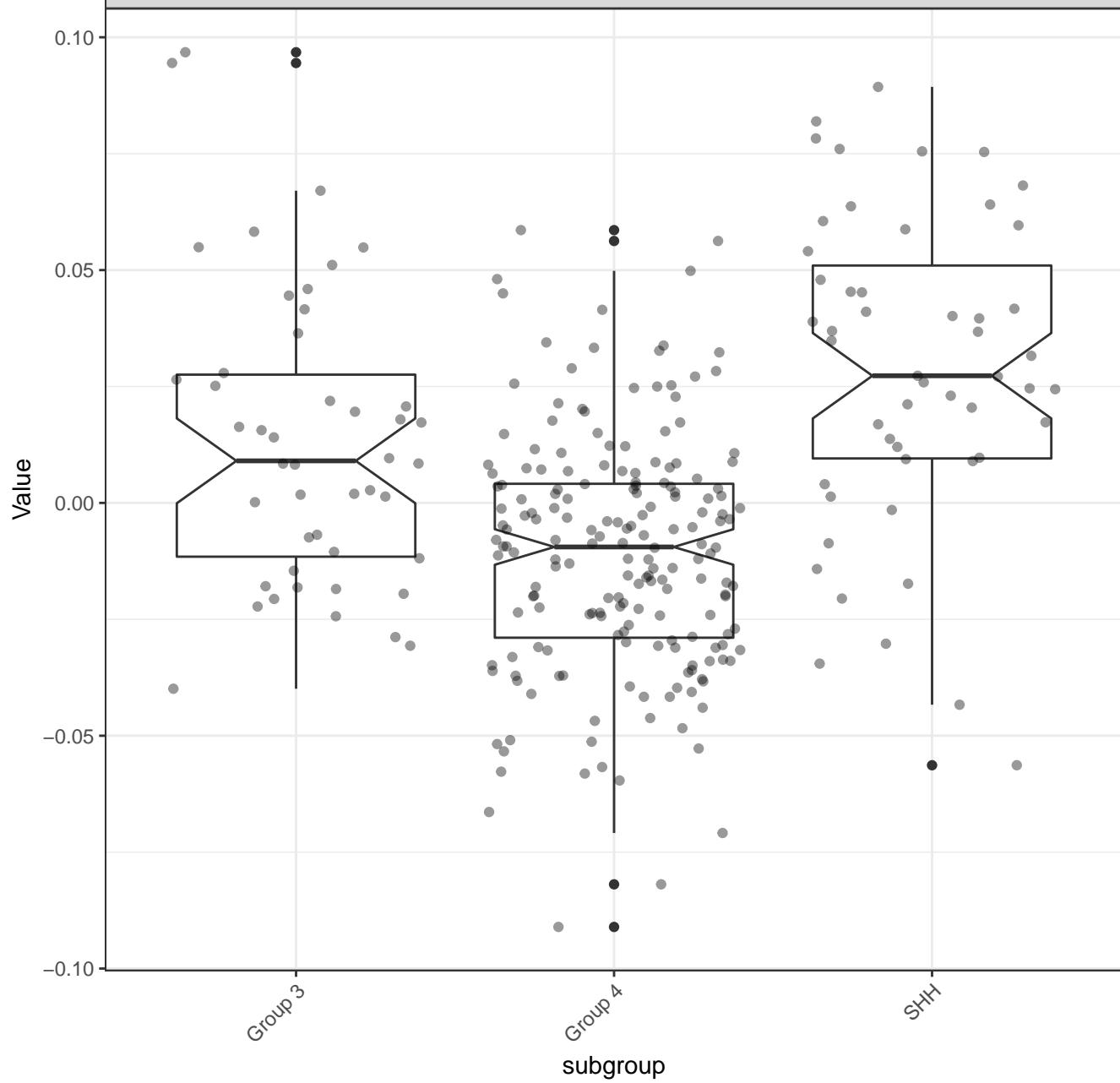
Group 4

SHH

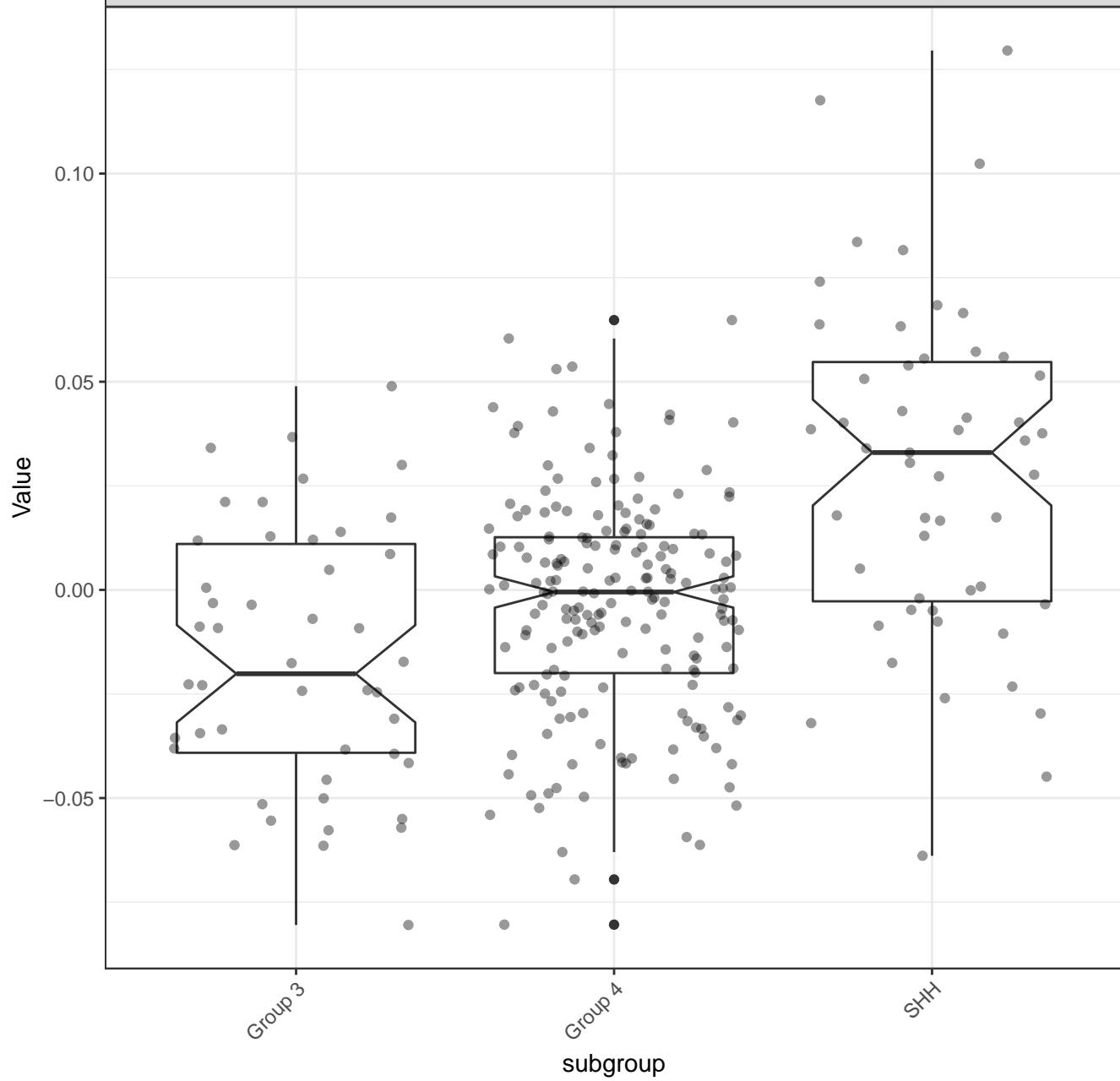
subgroup



LV 901



902,DMAP_PRE_BCELL3



LV 903

Value

0.10

0.05

0.00

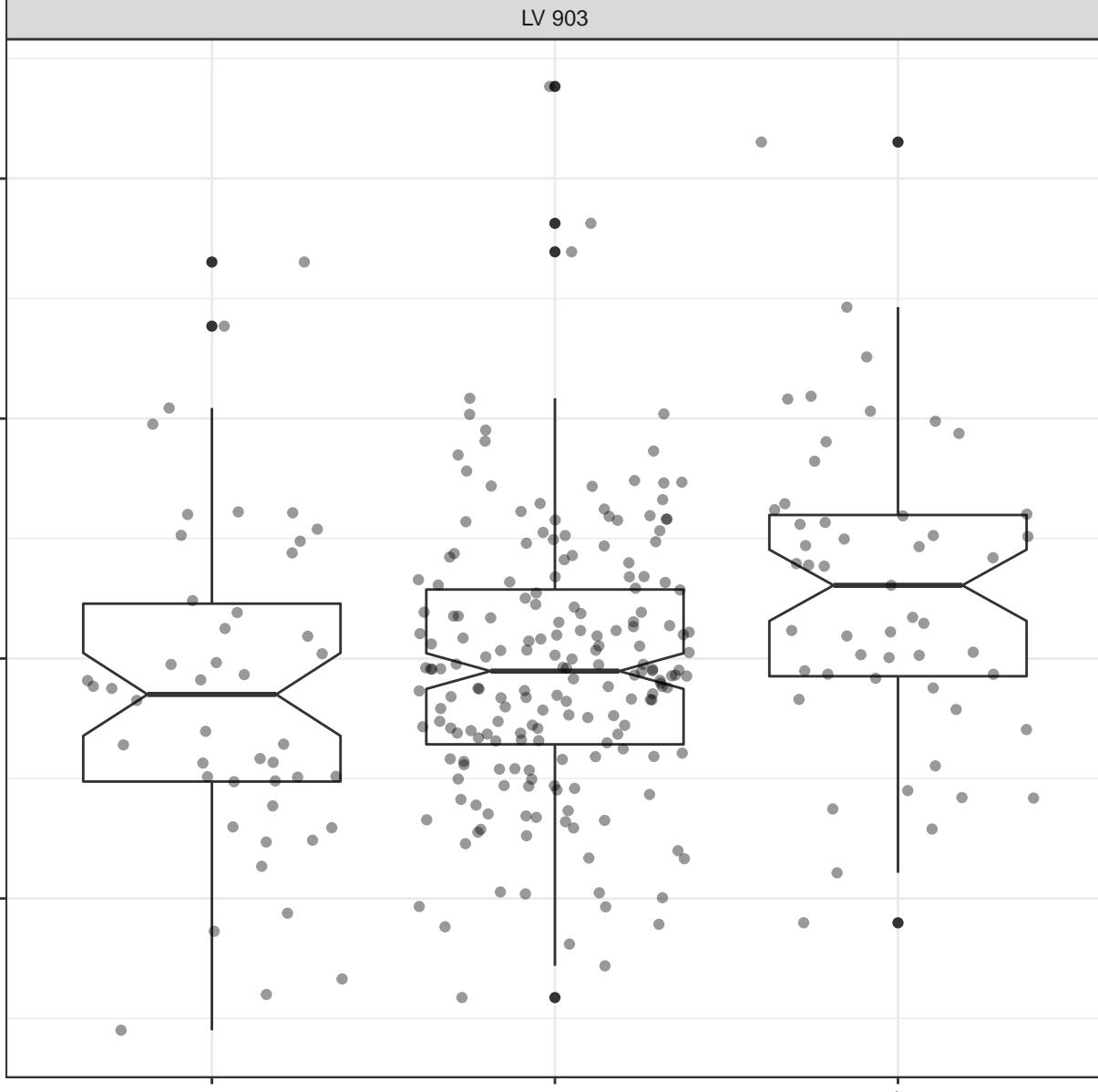
-0.05

Group 3

subgroup

Group 4

SHH



LV 904

Value

0.3

0.2

0.1

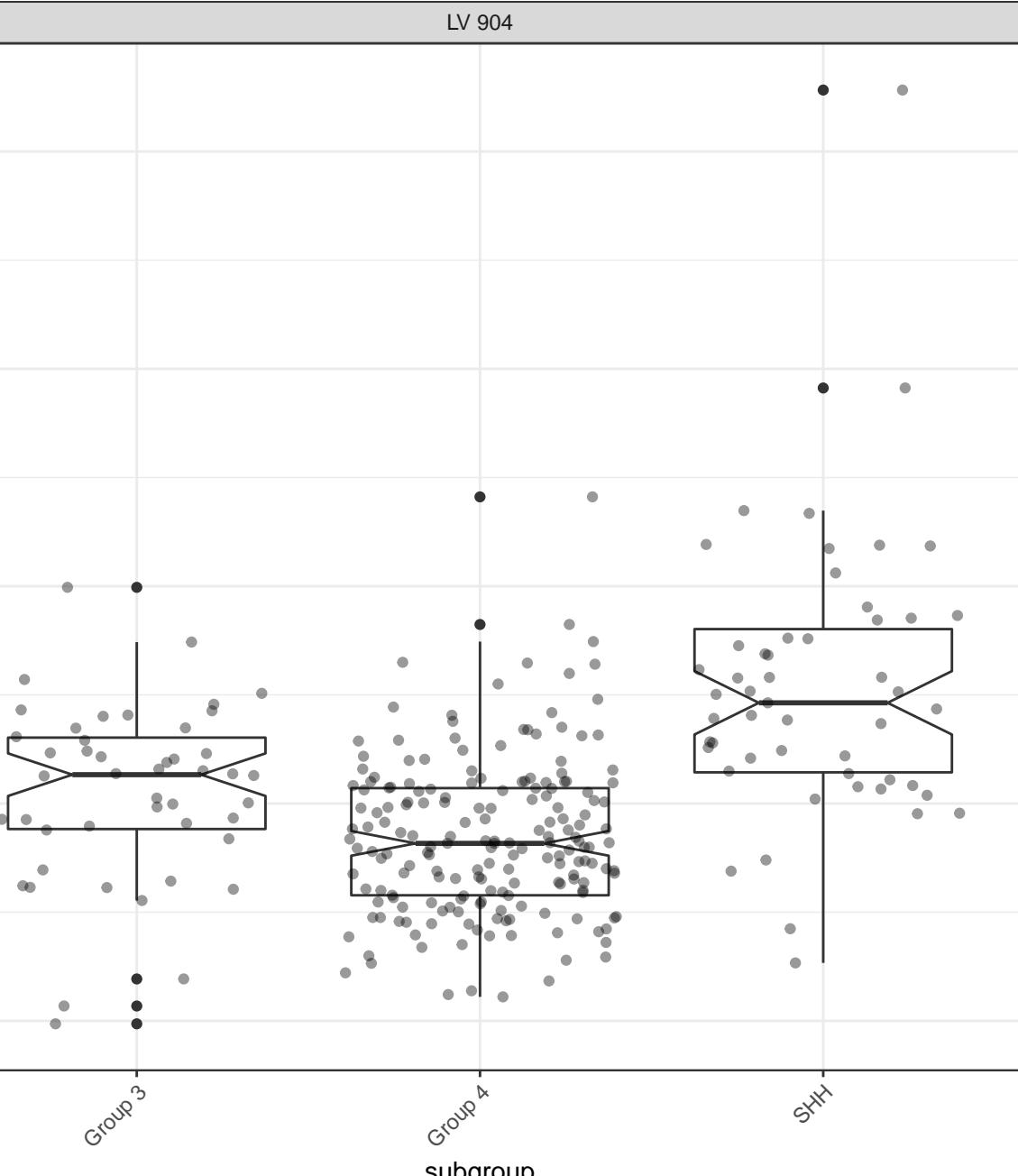
0.0

-0.1

Group³Group⁴

SHH

subgroup



905,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX

Value

0.3

0.2

0.1

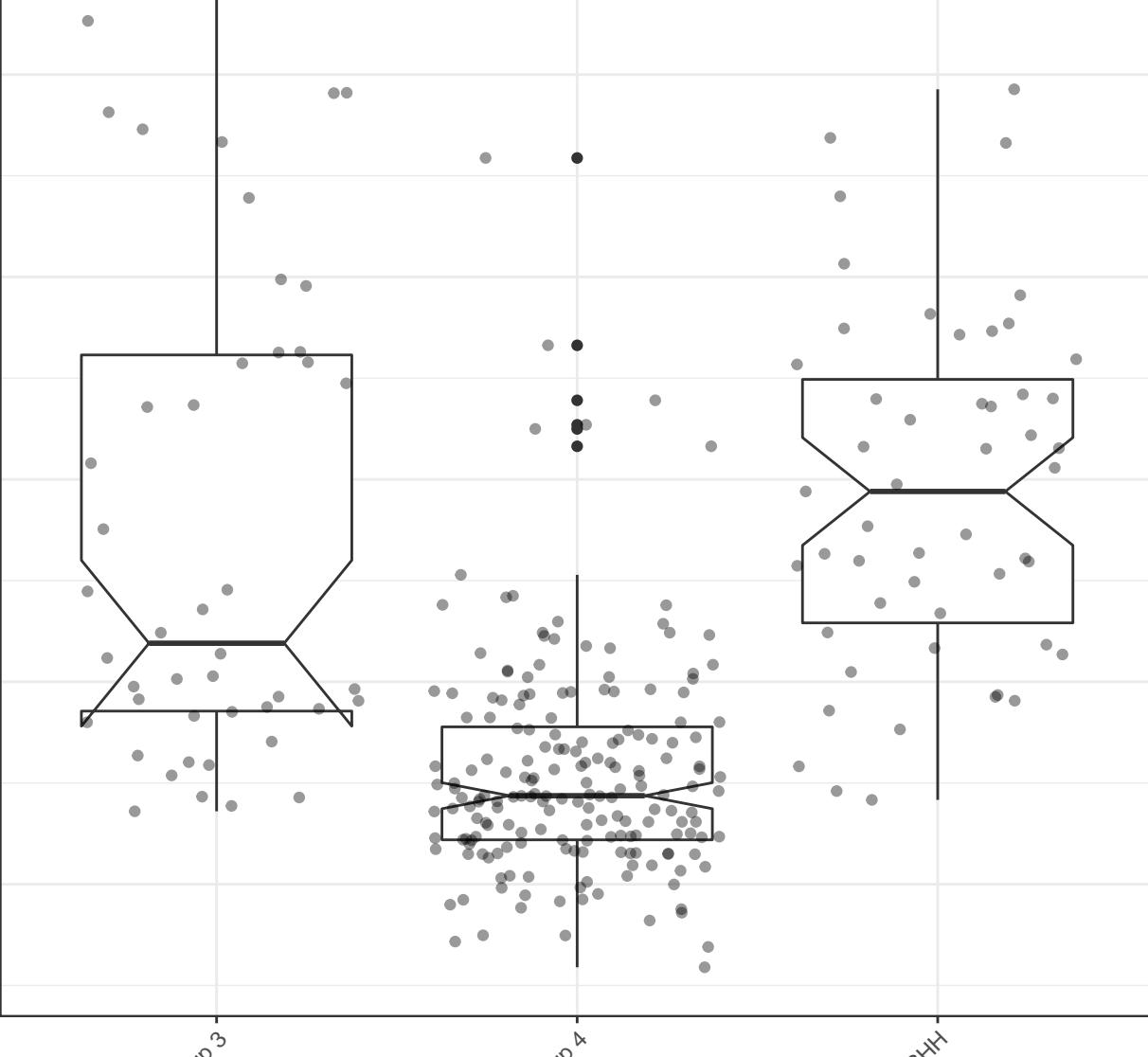
0.0

-0.1

Group 3

subgroup

SHH



LV 906

Vvalue

0.10

0.05

0.00

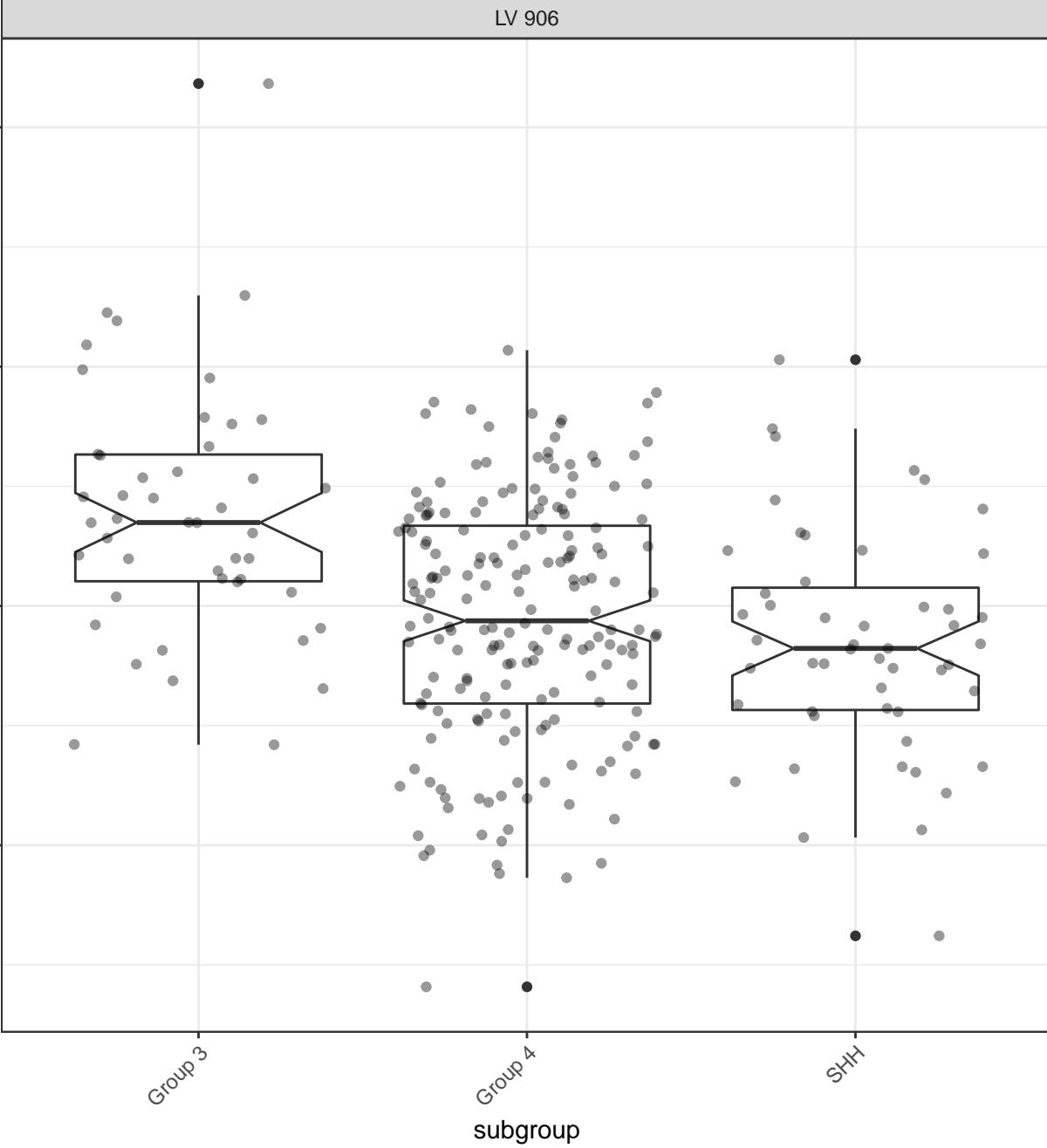
-0.05

Group 3

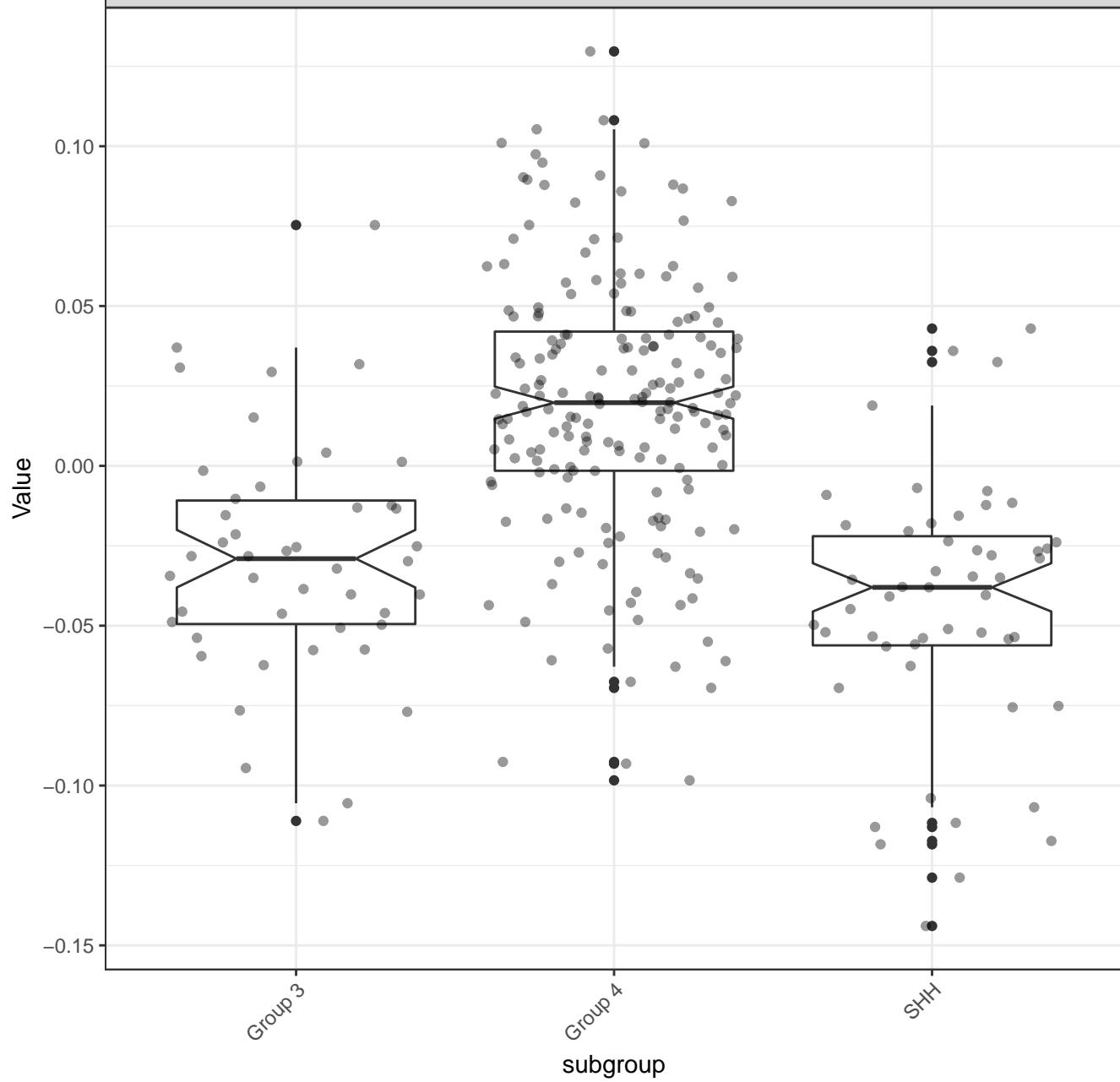
Group 4

SHH

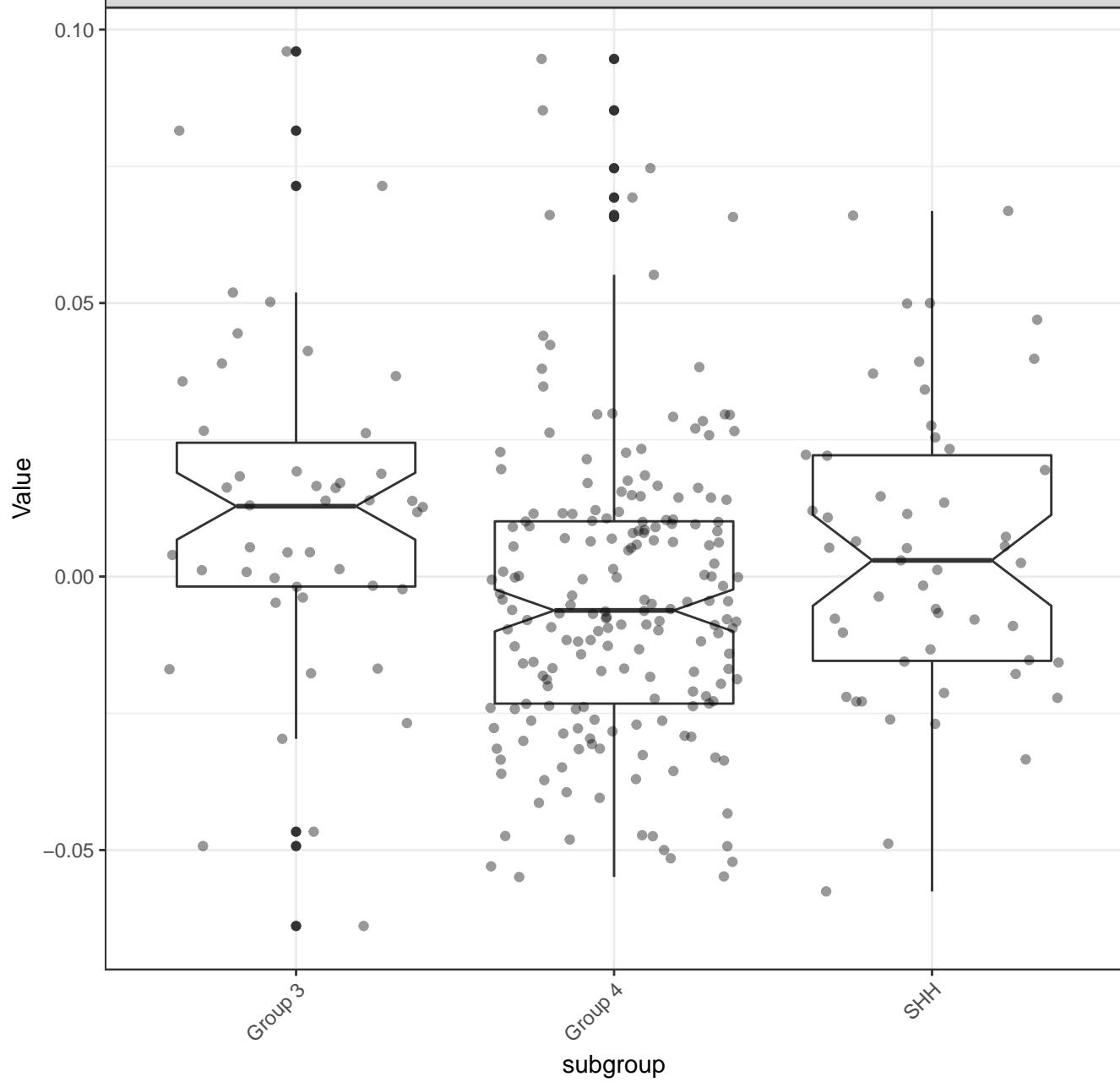
subgroup



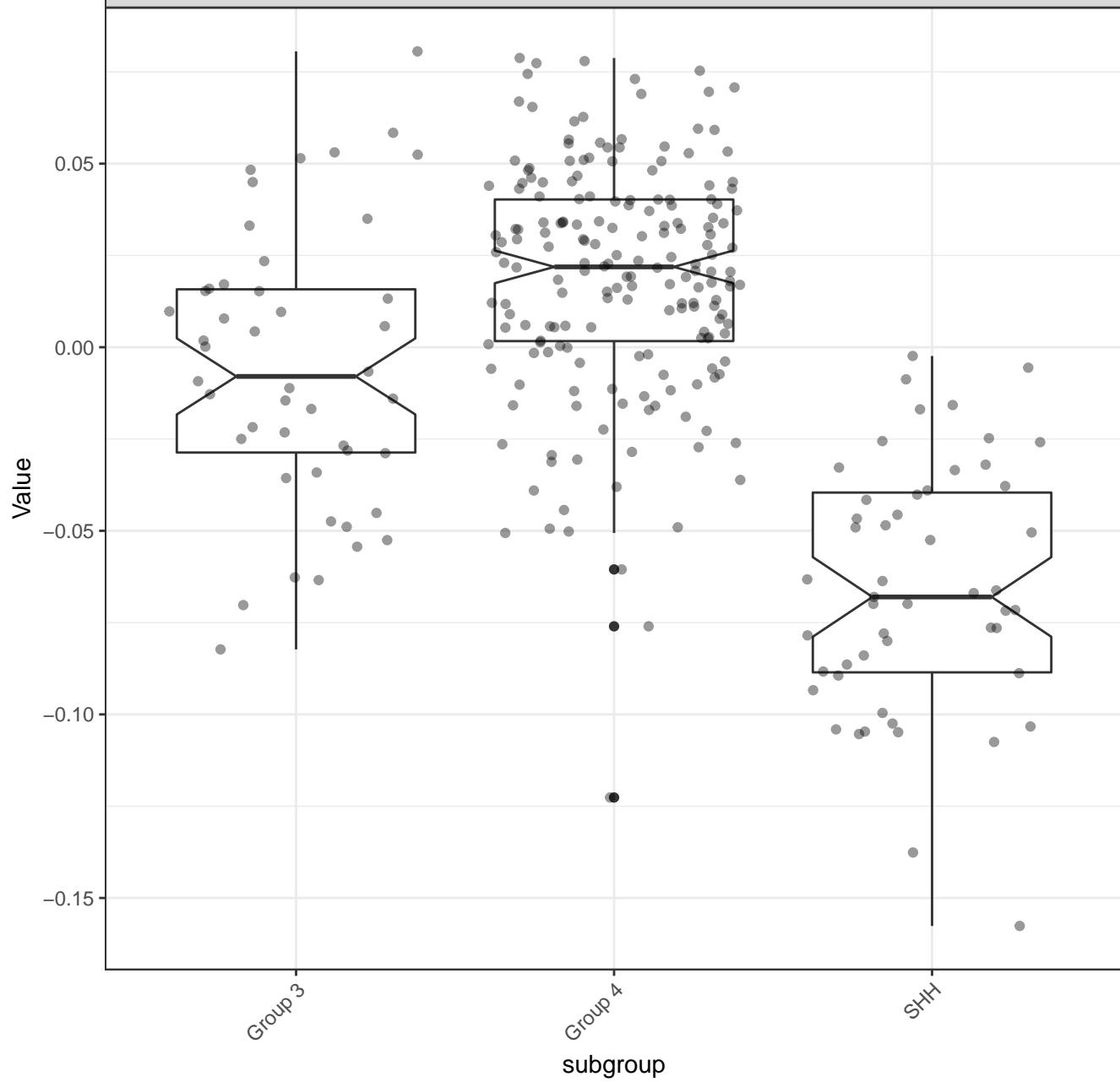
LV 907



LV 908

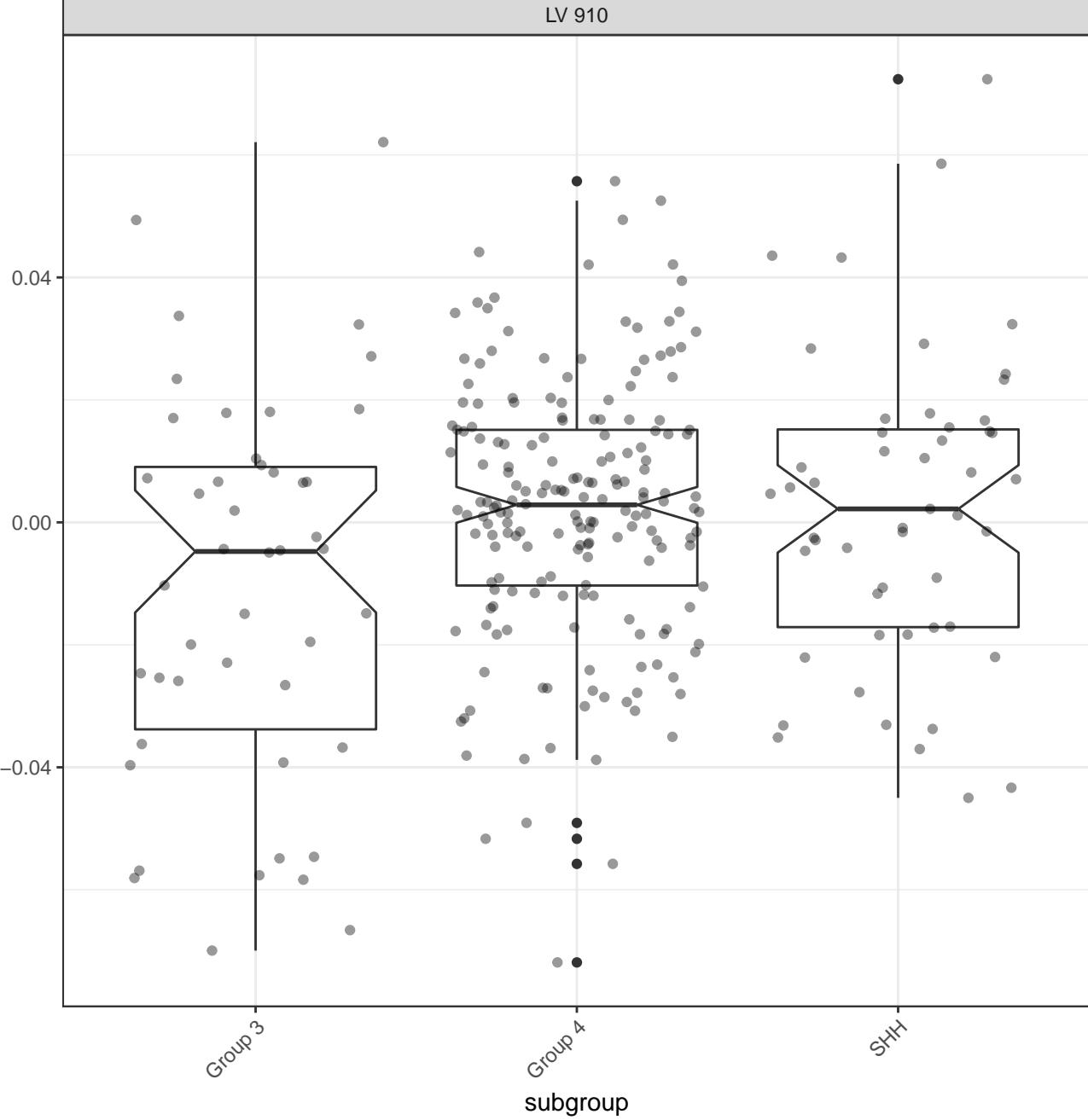


LV 909



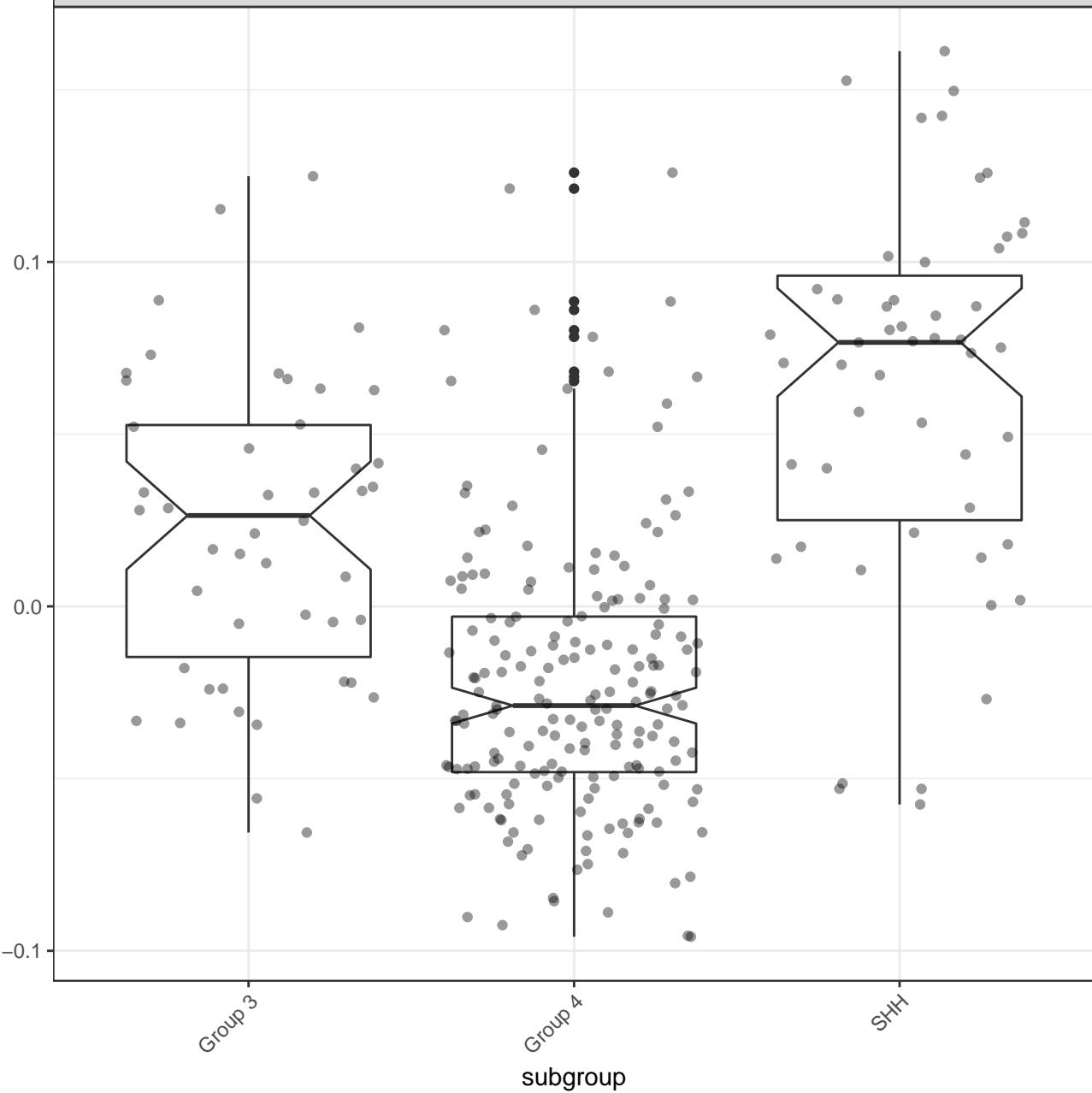
LV 910

Value



LV 911

Value



LV 912

Value

0.10

0.05

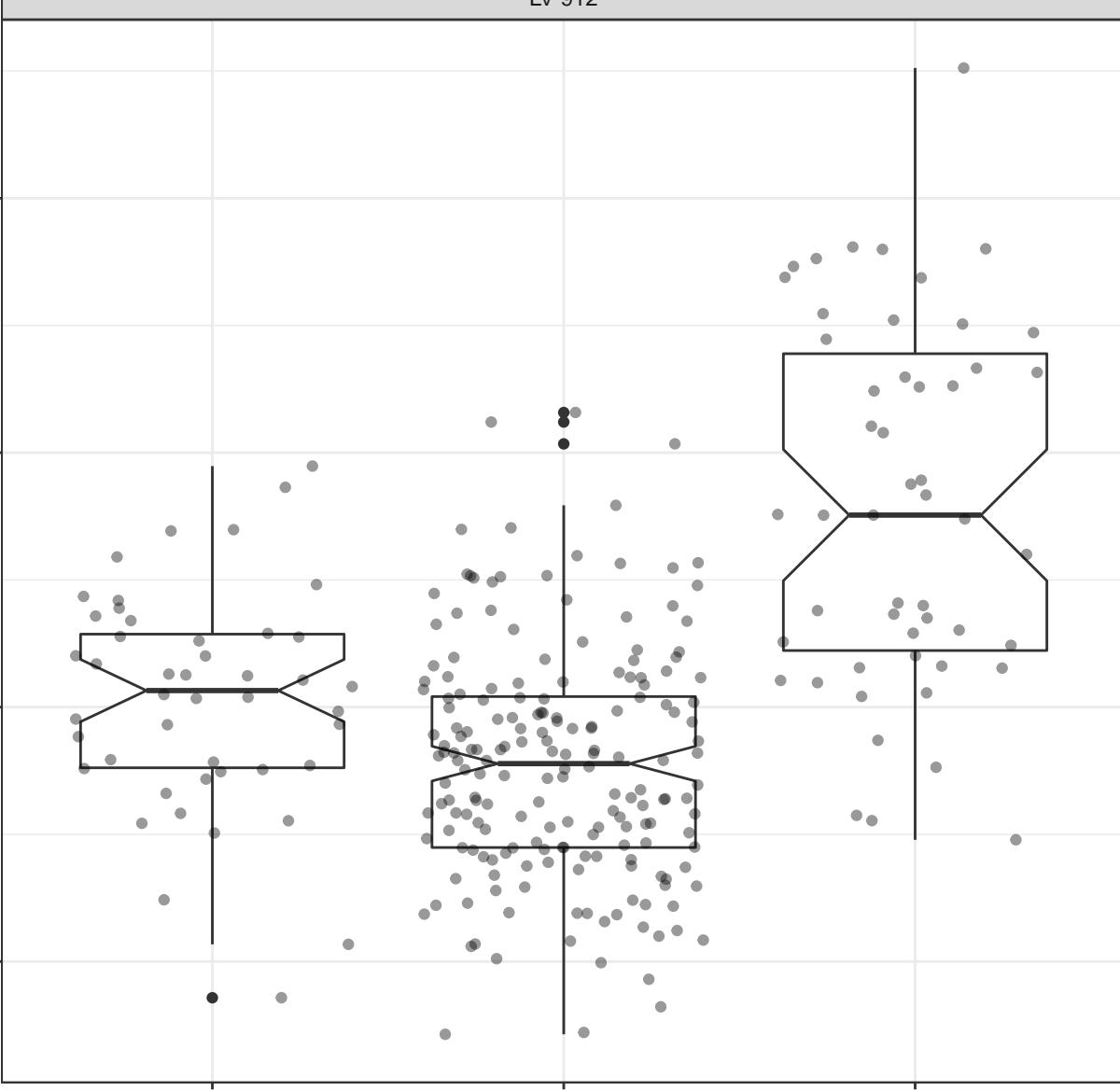
0.00

-0.05

Group 3

subgroup

SHH



LV 913

Value

0.10

0.05

0.00

-0.05

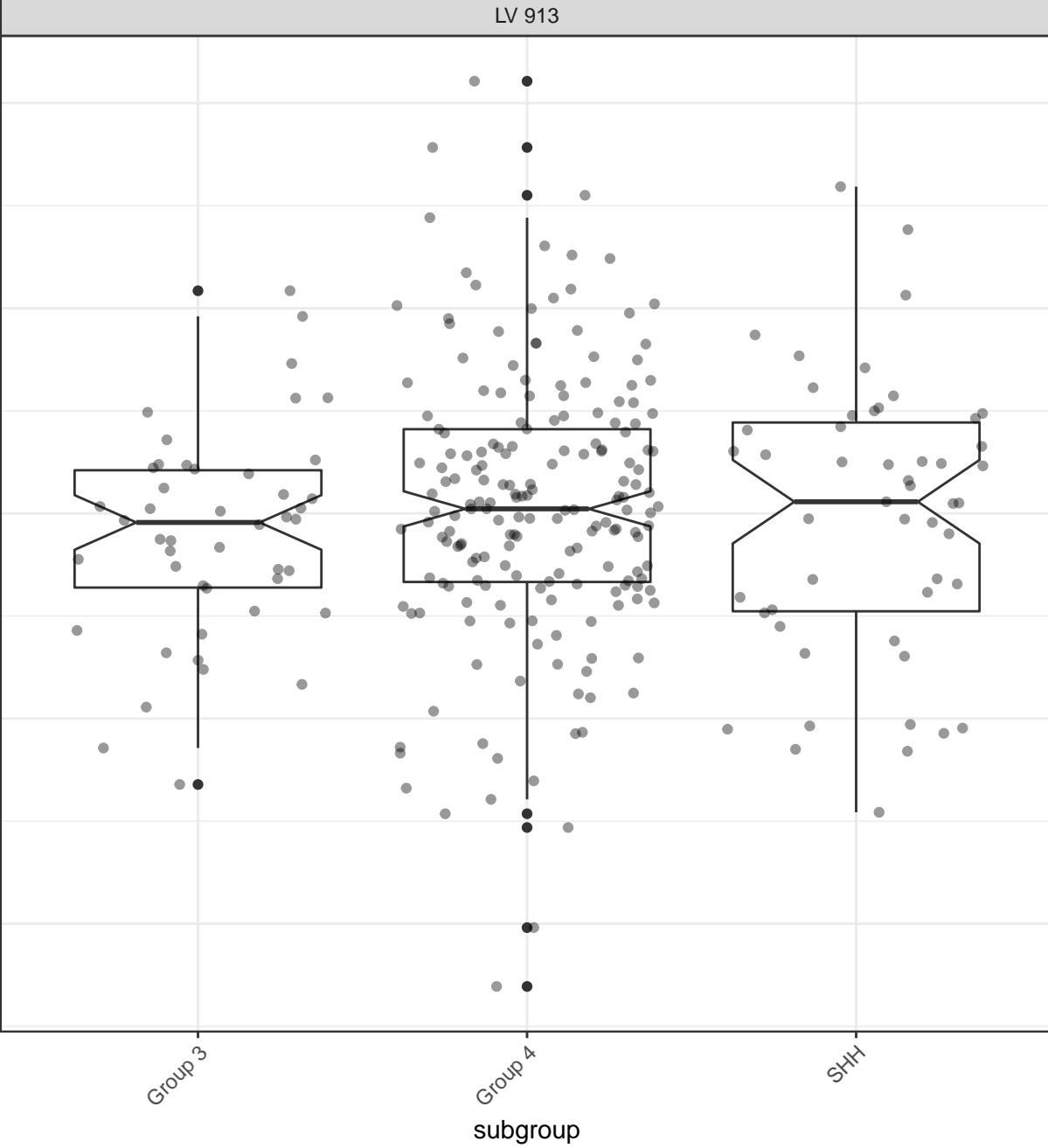
-0.10

Group 3

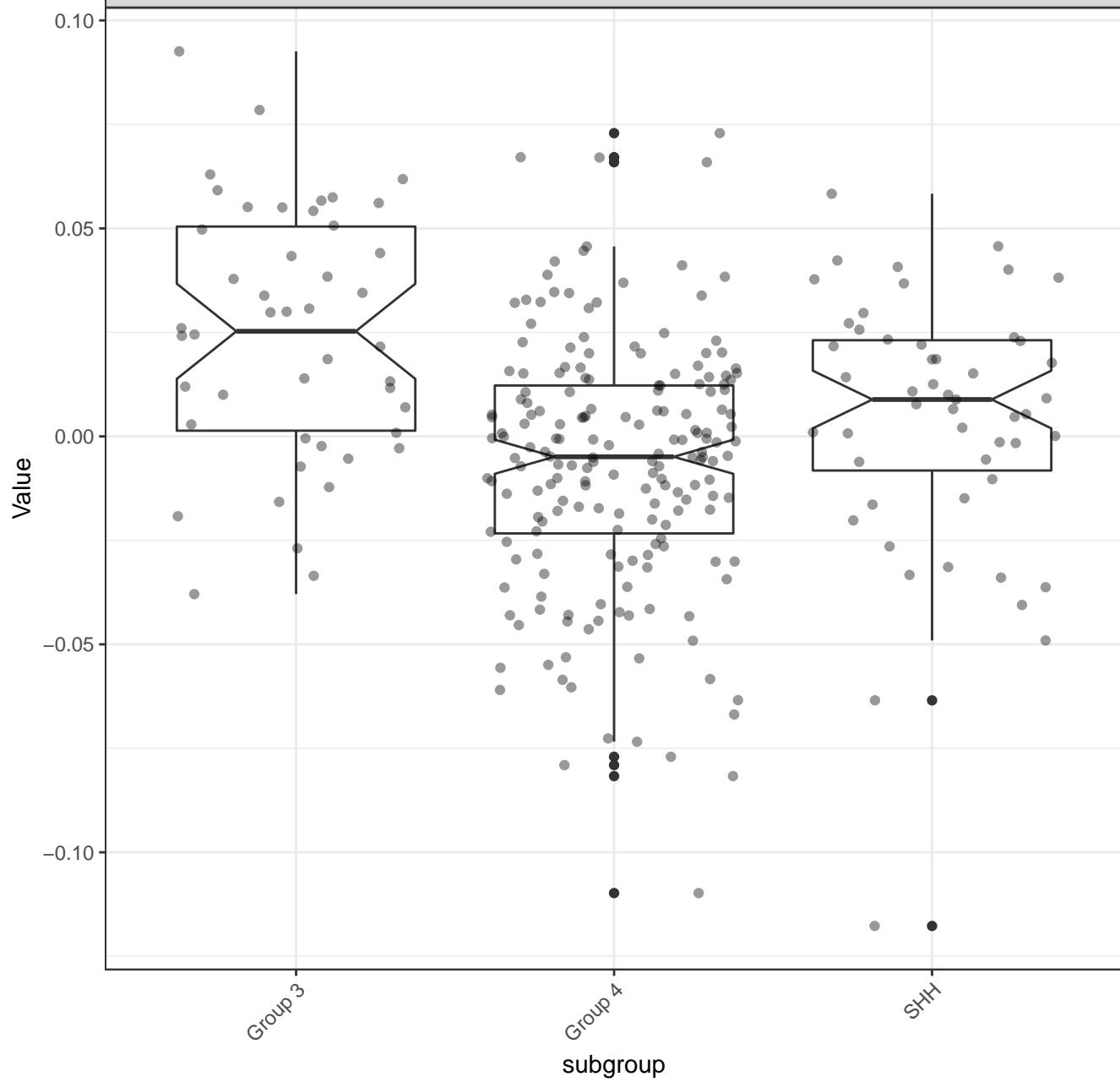
Group 4

SHH

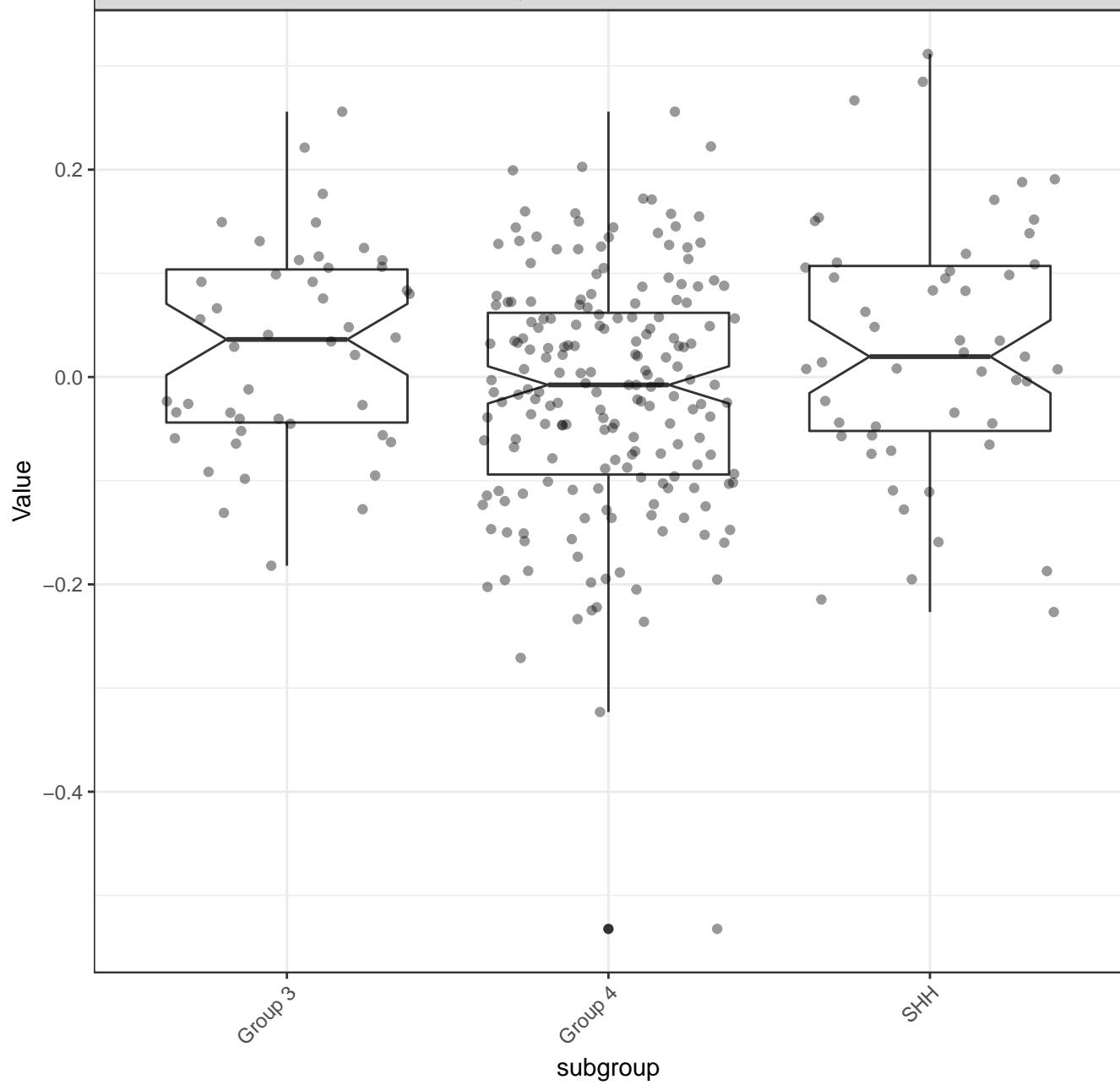
subgroup



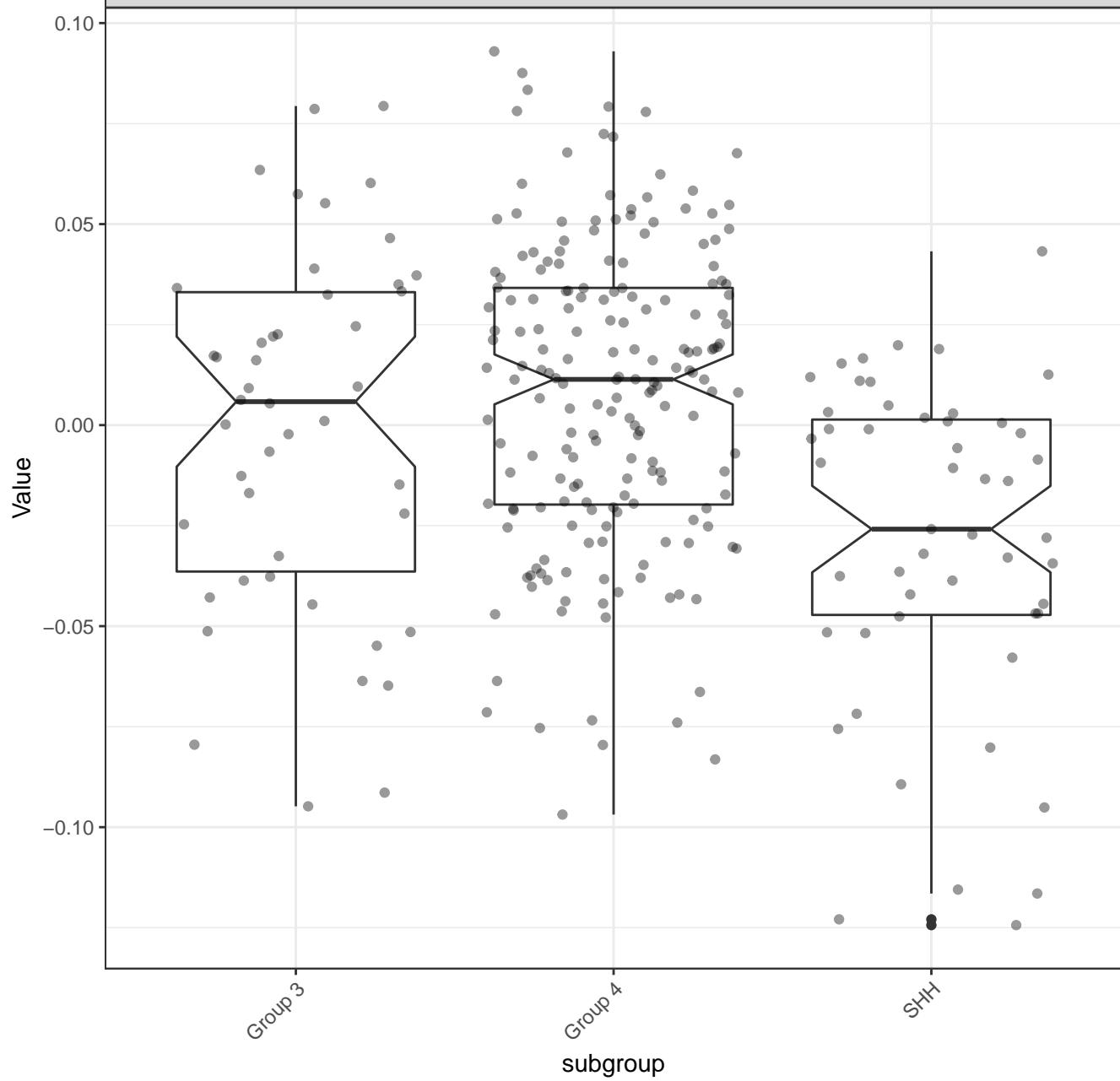
LV 914



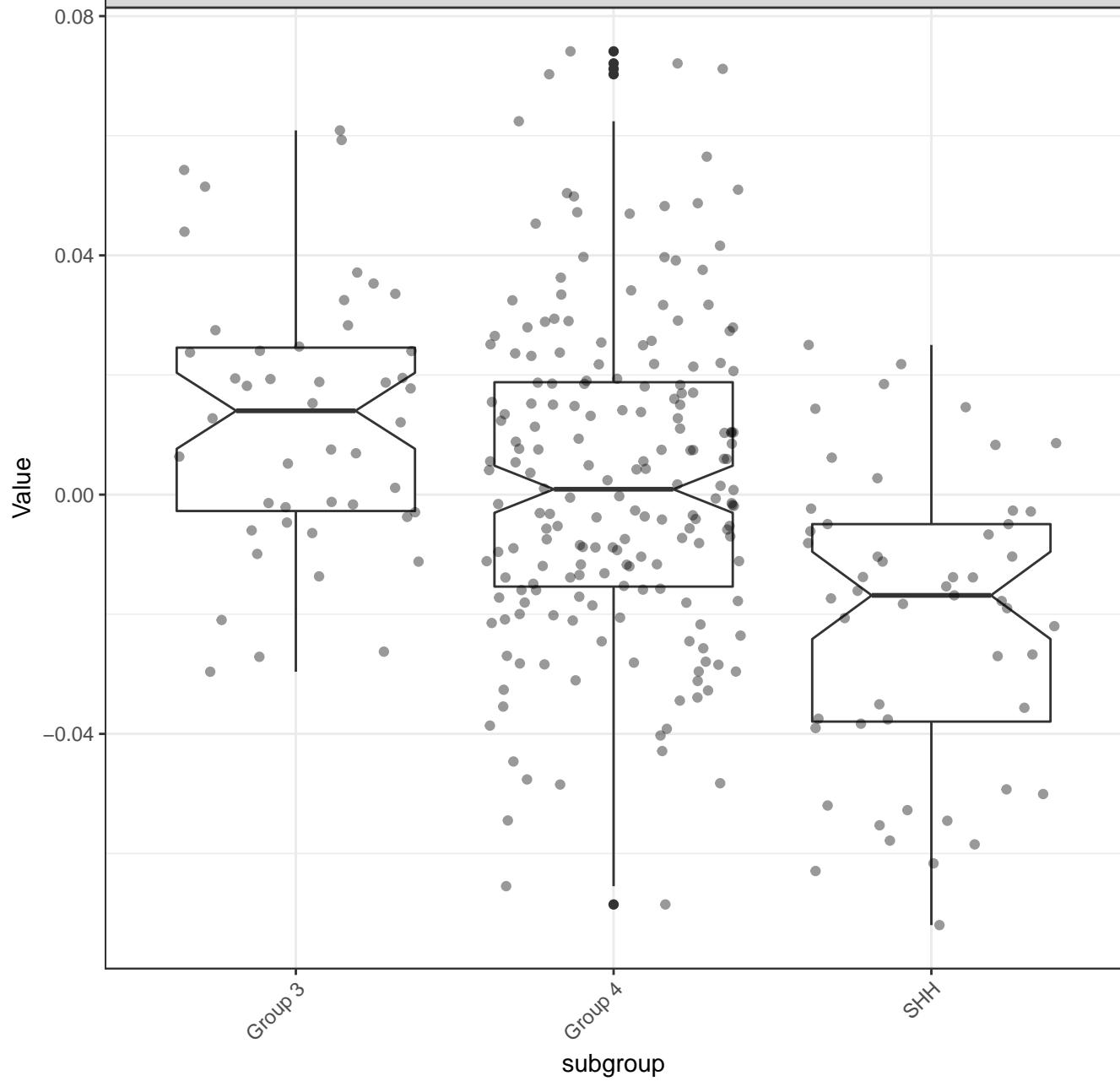
915,MIPS_SPLICEOSOME



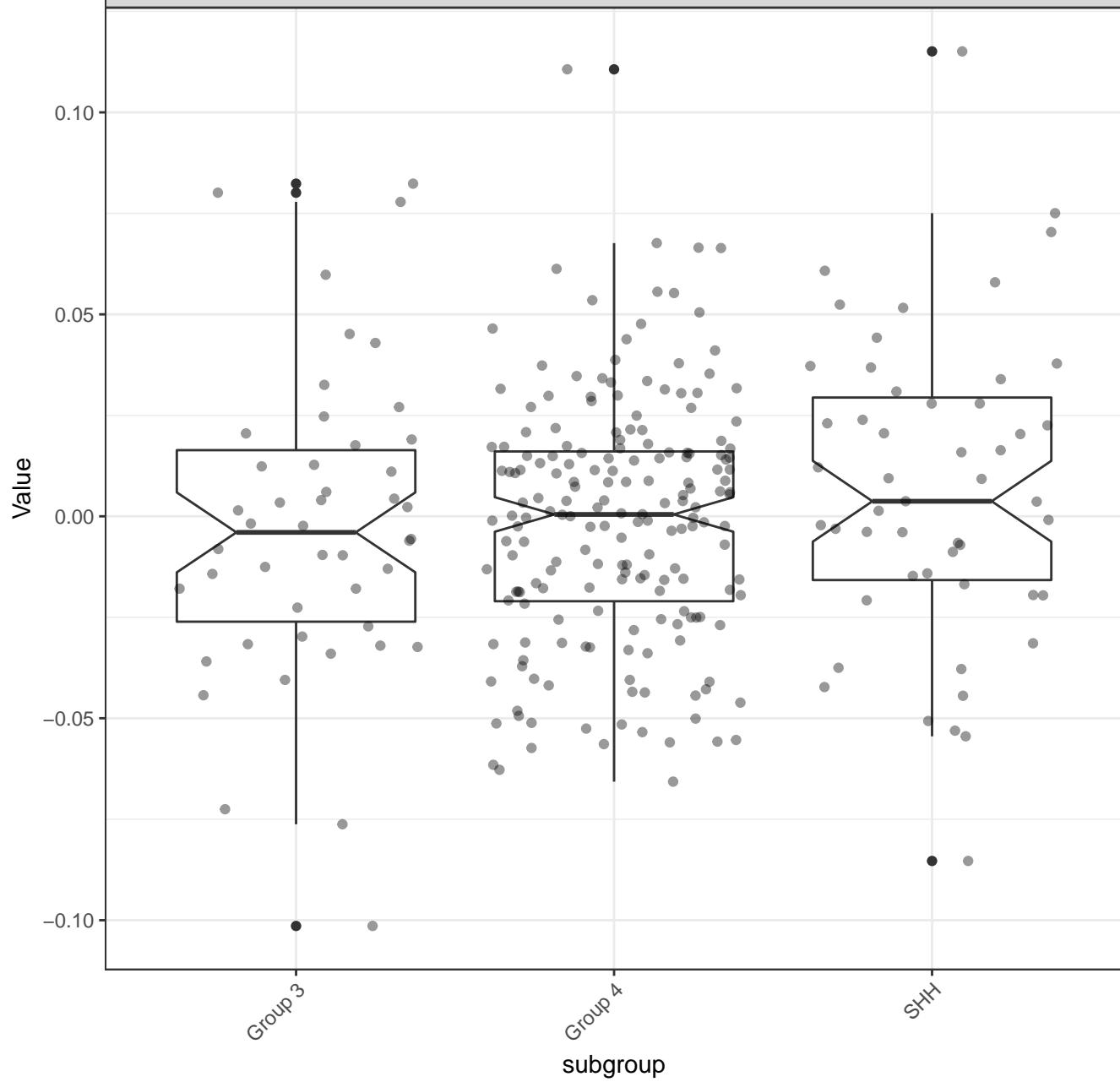
LV 916



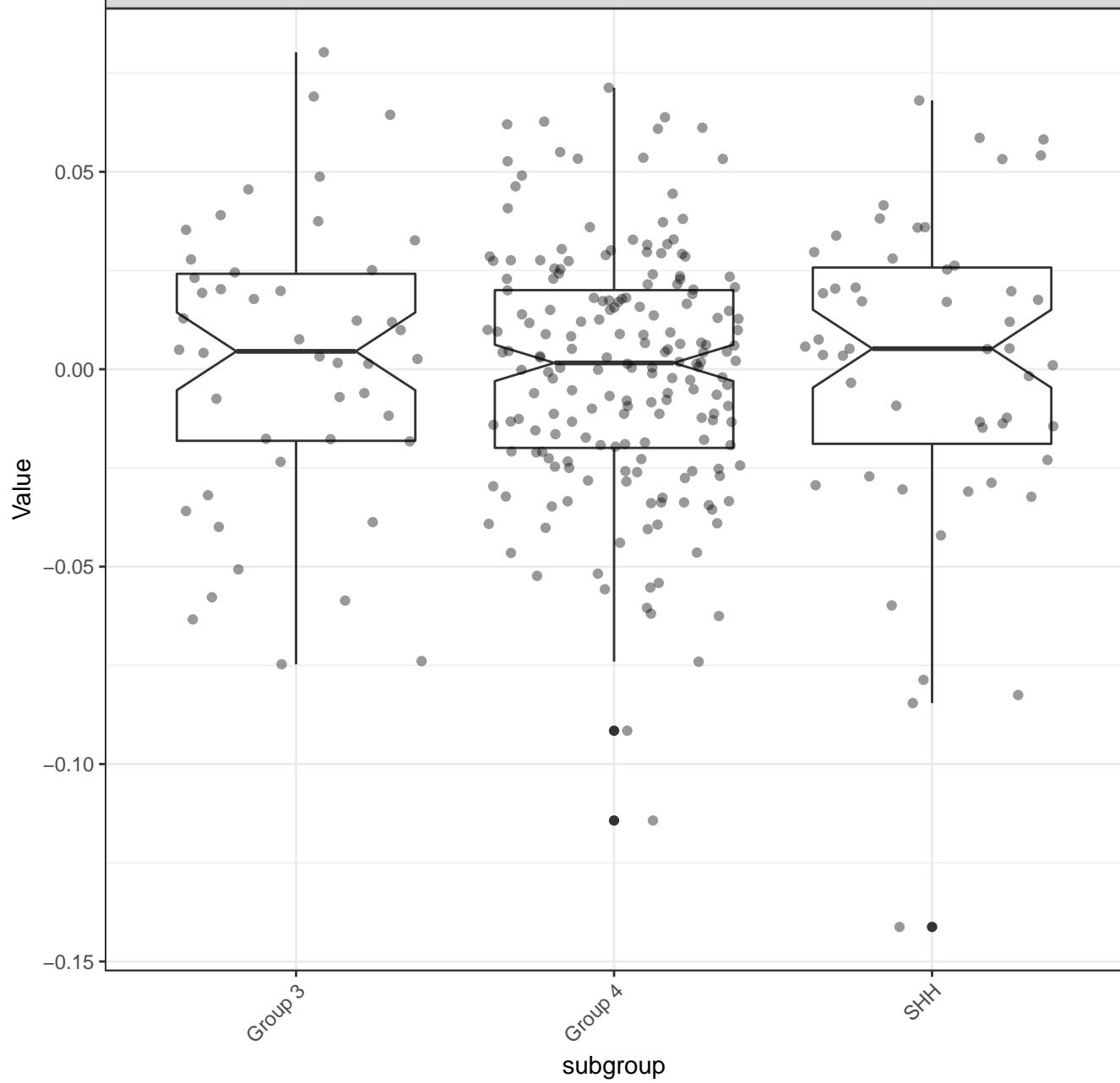
LV 917



LV 918



LV 919



LV 920

Value

0.1

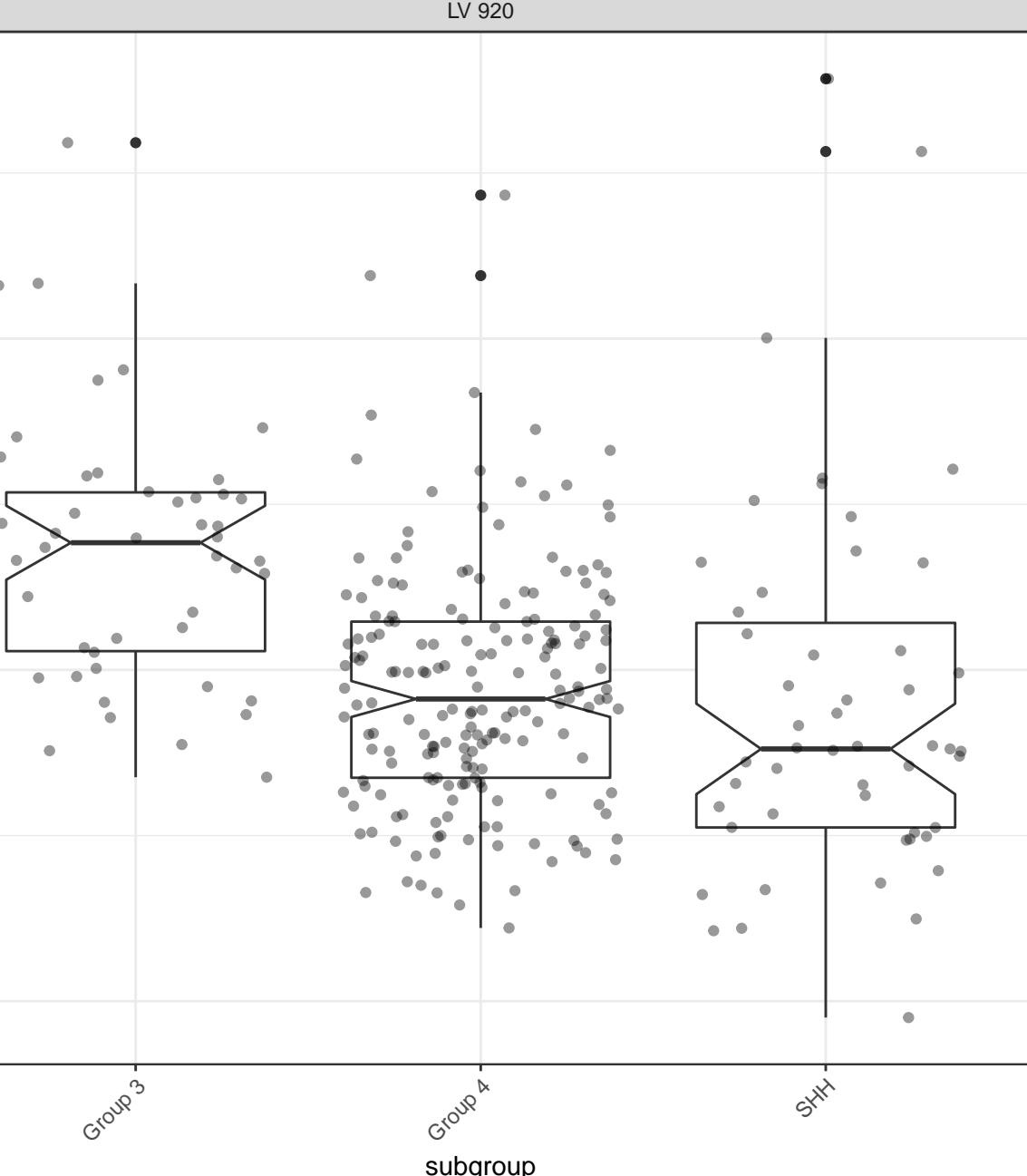
0.0

-0.1

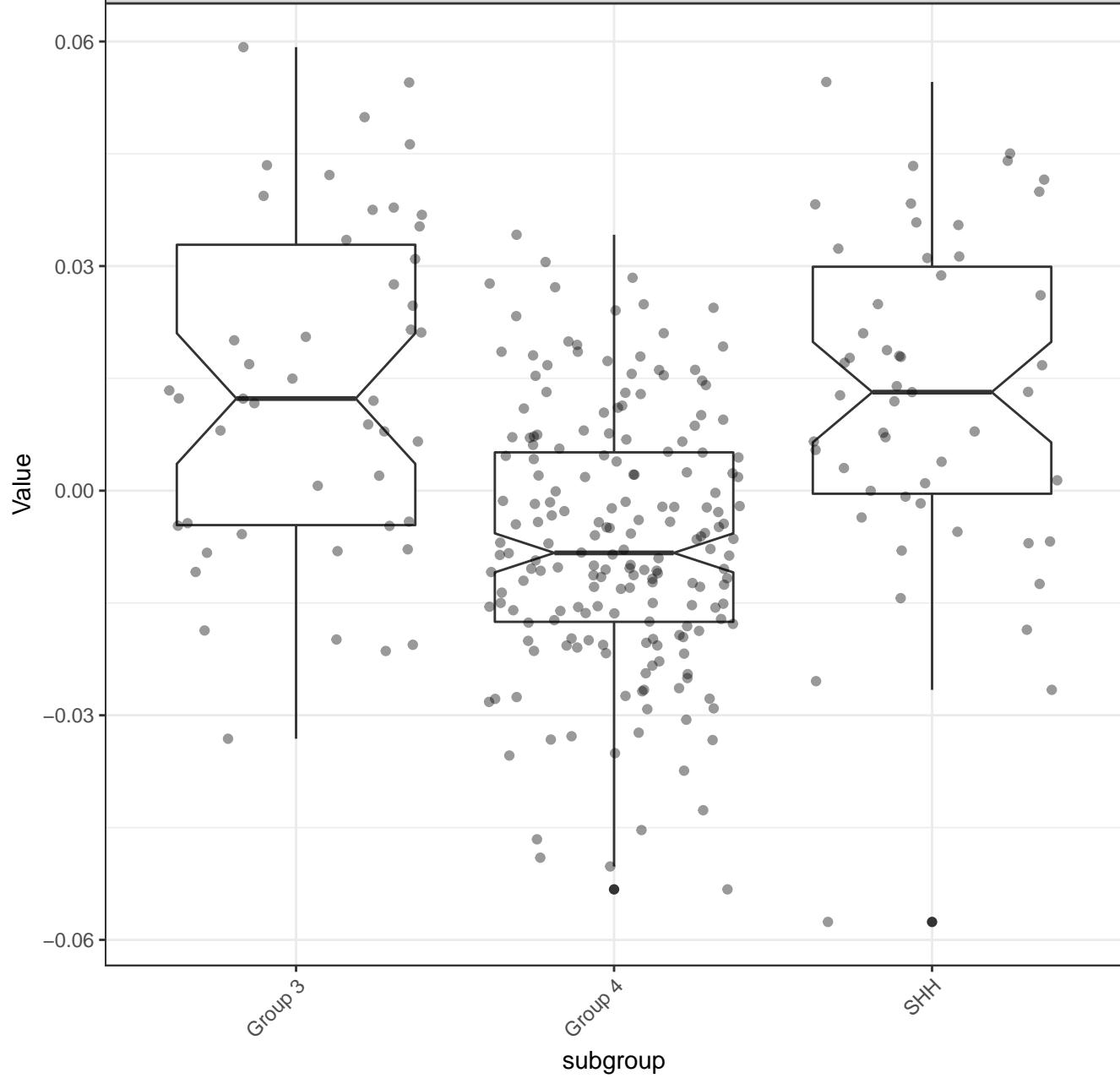
Group³Group⁴

SHH

subgroup



921,MIPS_NOP56P_ASSOCIATED_PRE_RRNA_COMPLEX



LV 922

Value

0.10

0.05

0.00

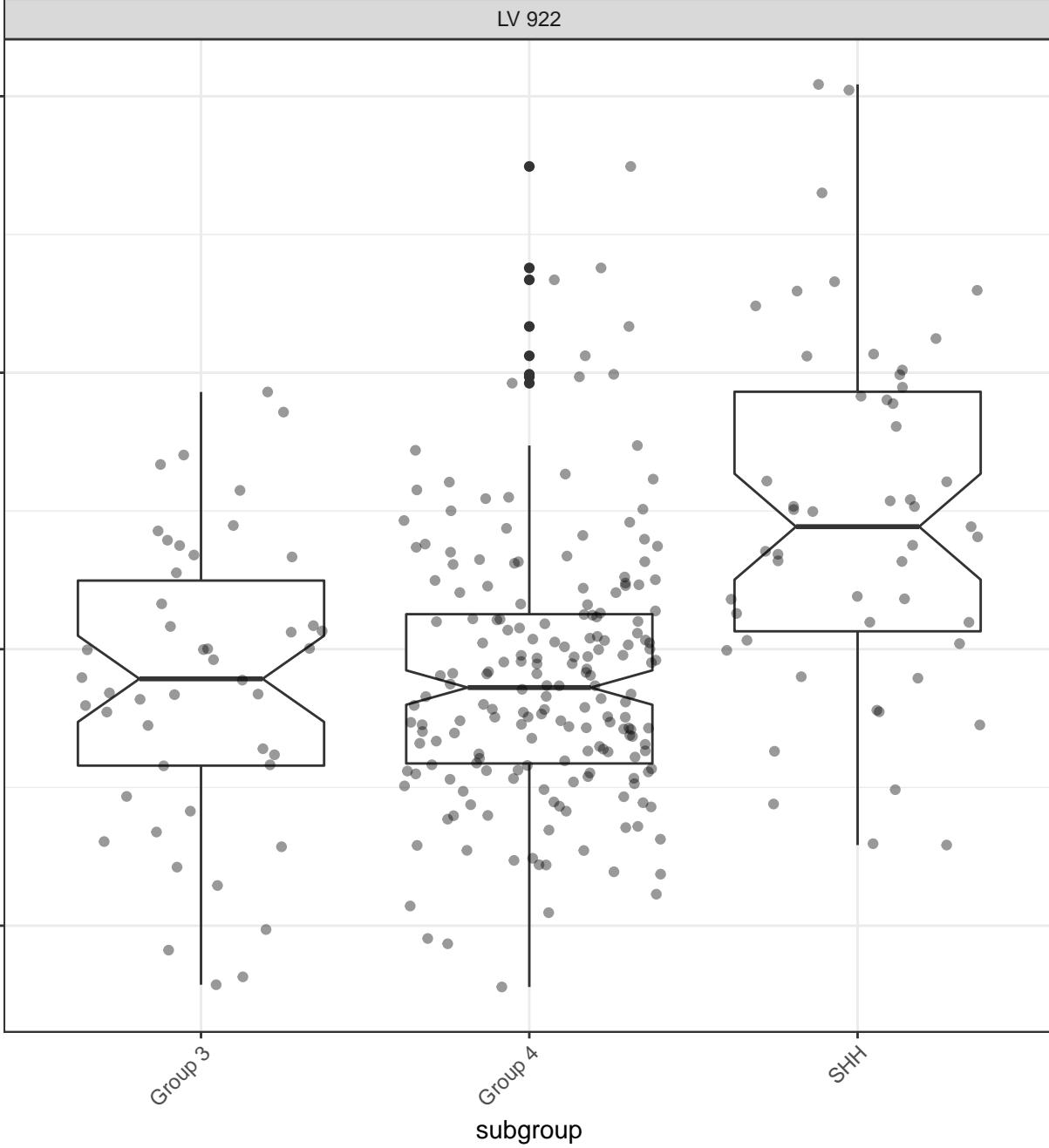
-0.05

Group 3

Group 4

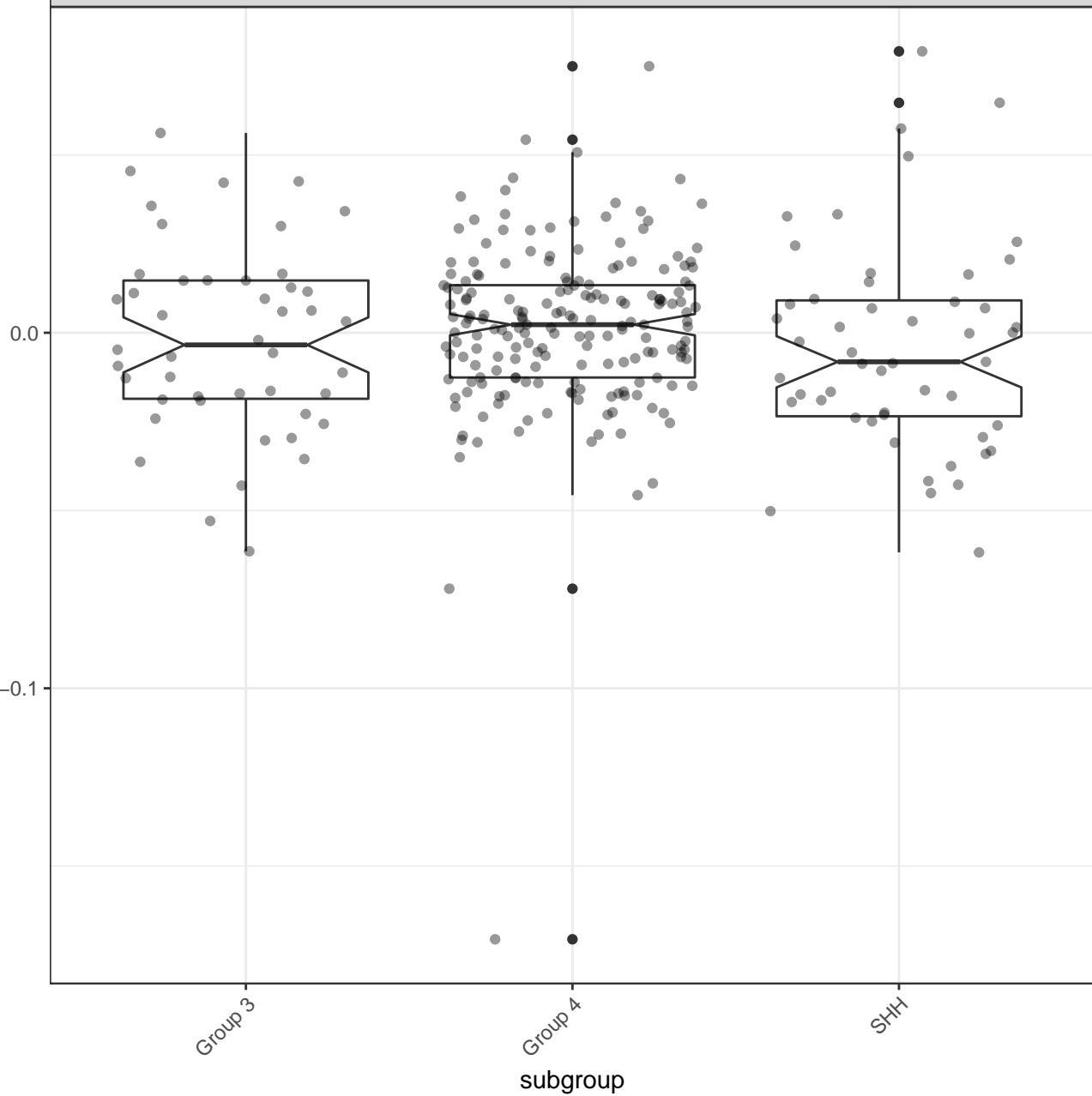
SHH

subgroup

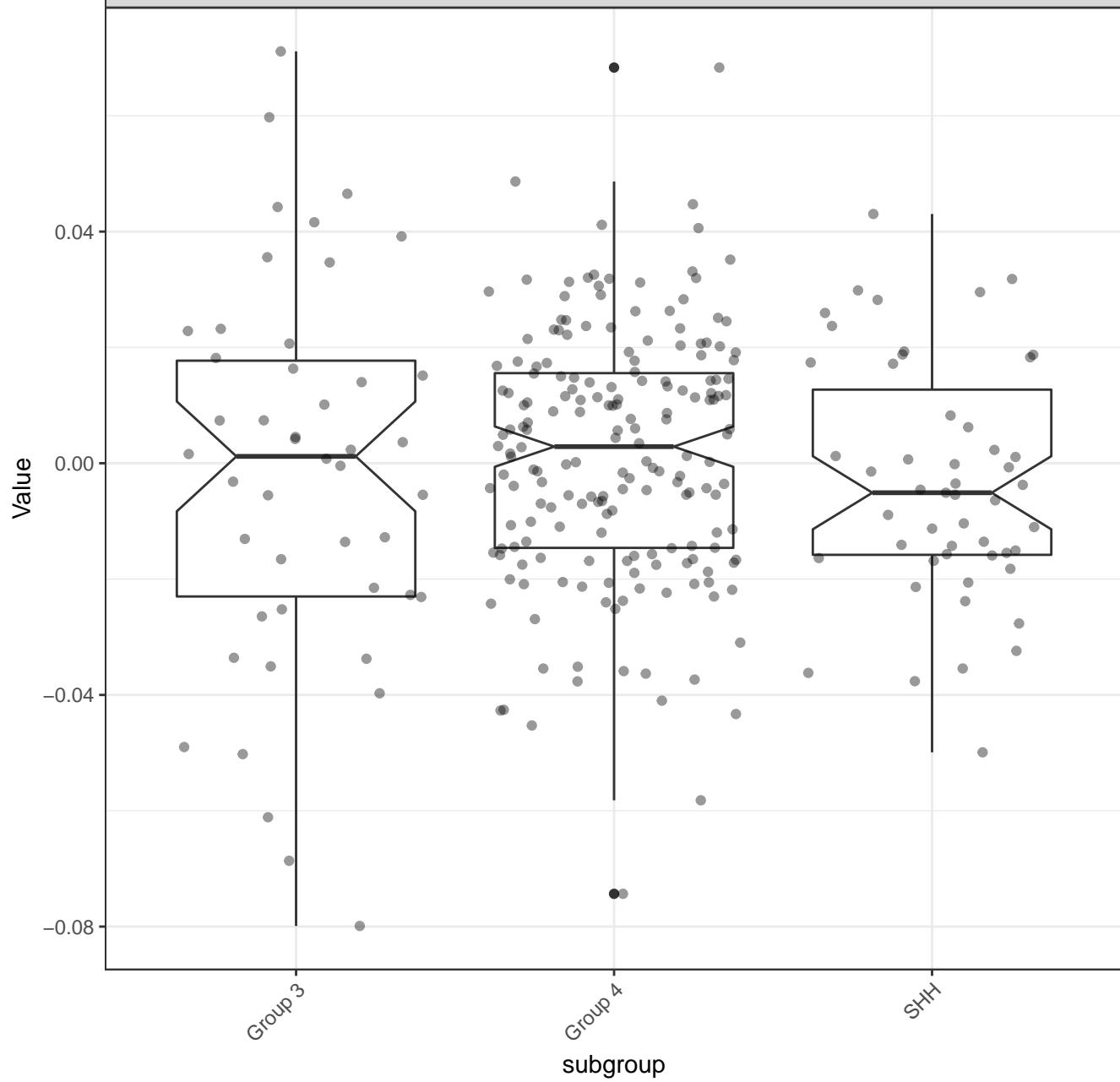


LV 923

Value

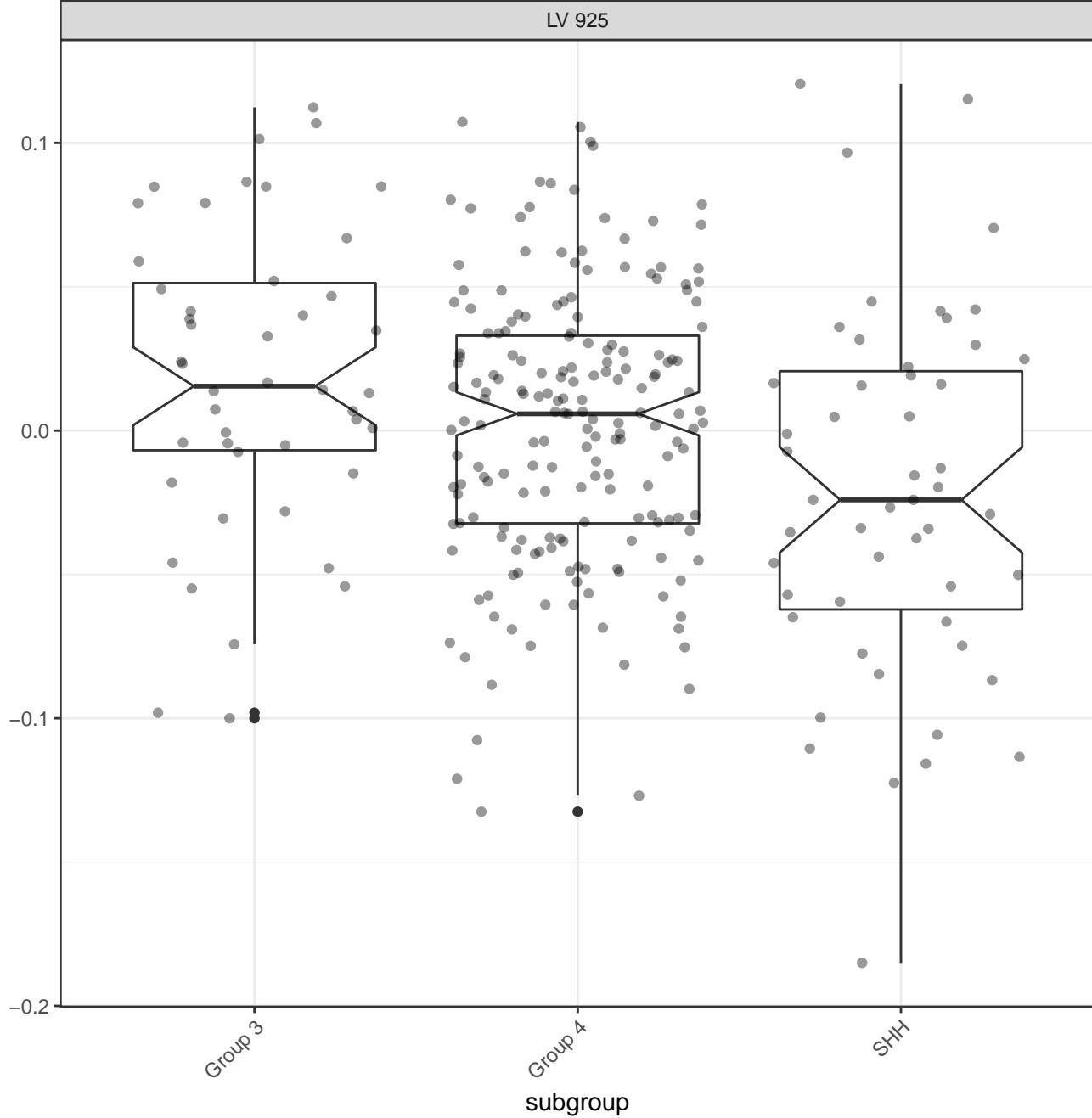


LV 924

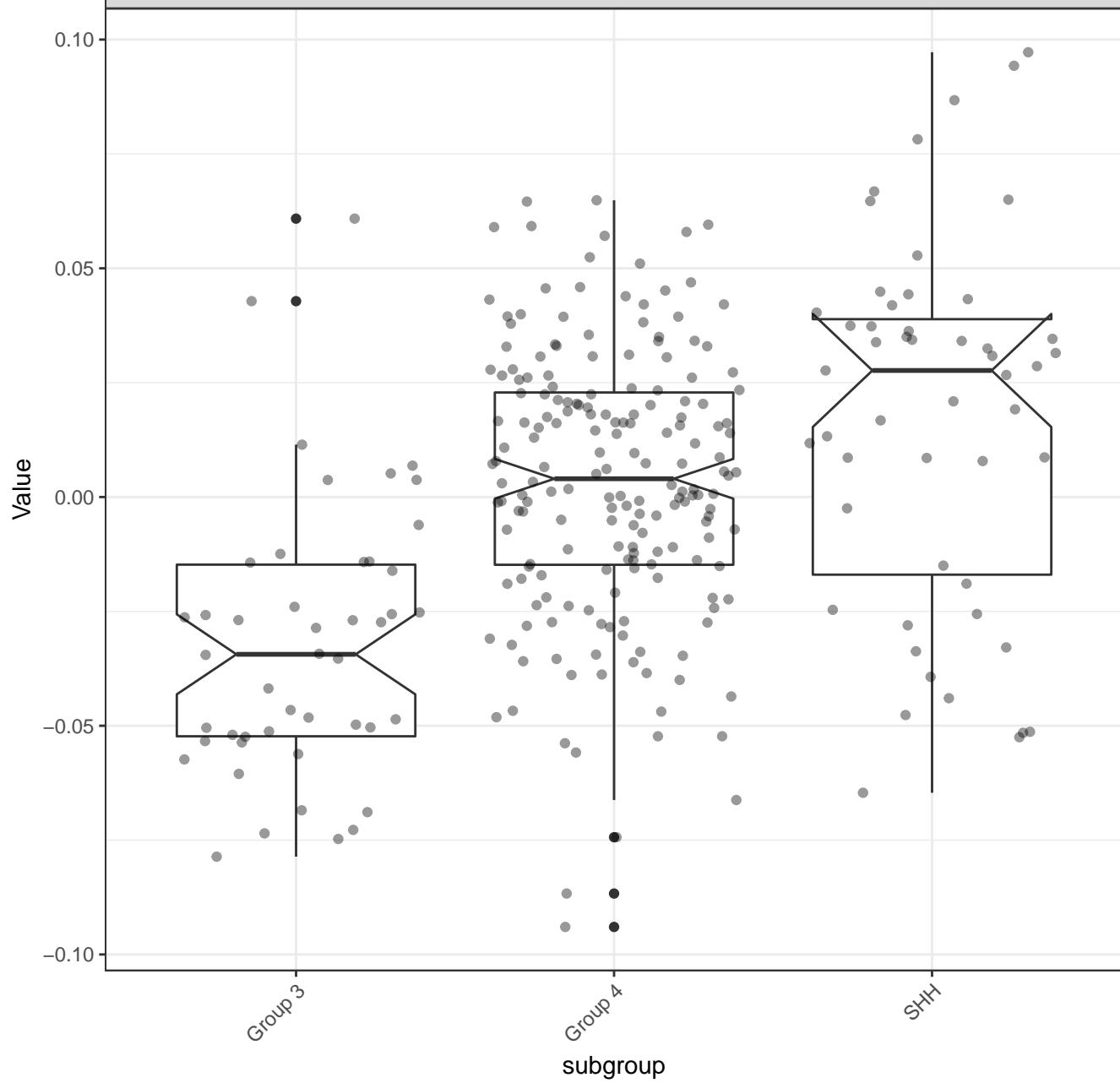


LV 925

Value

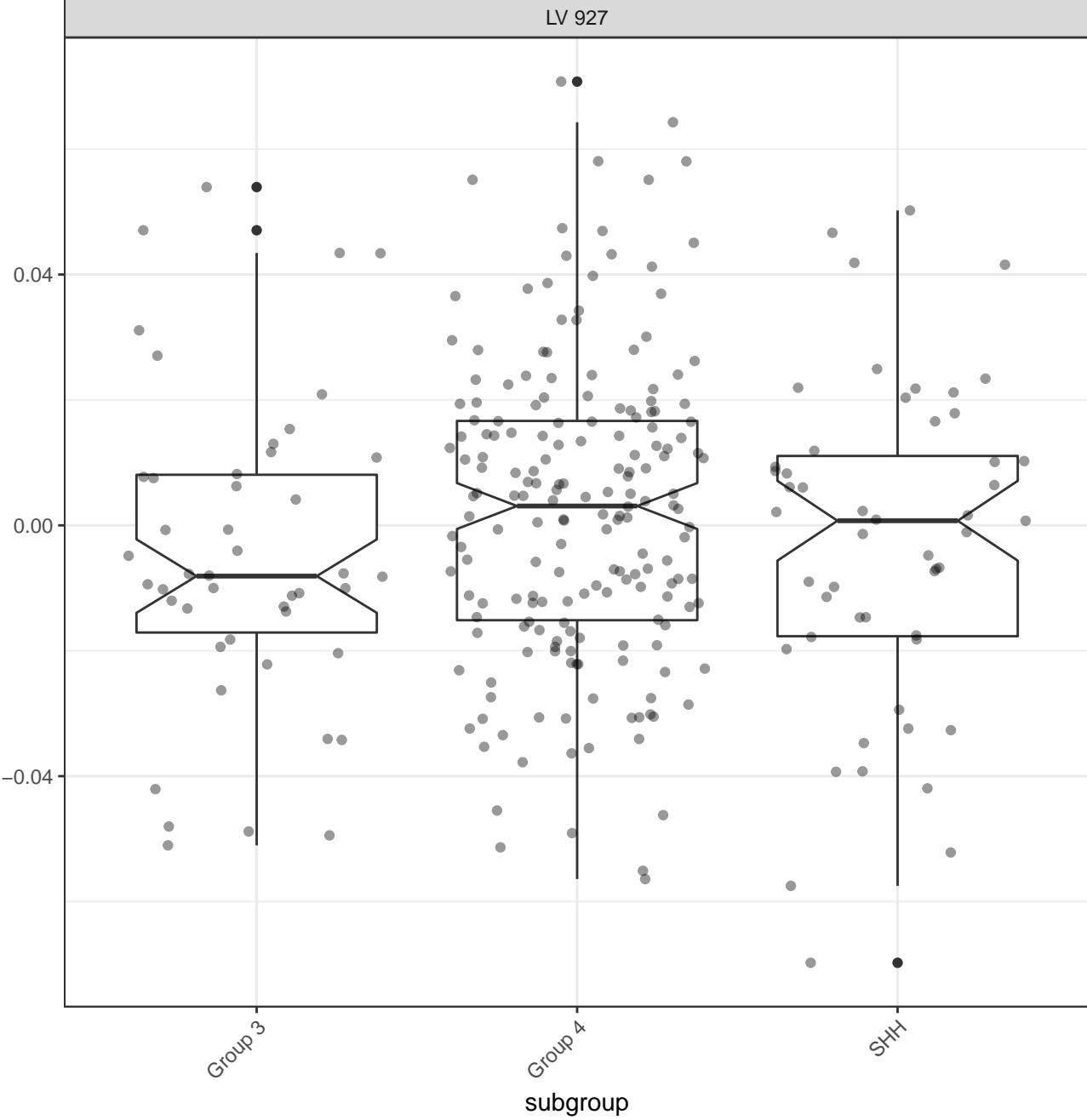


LV 926

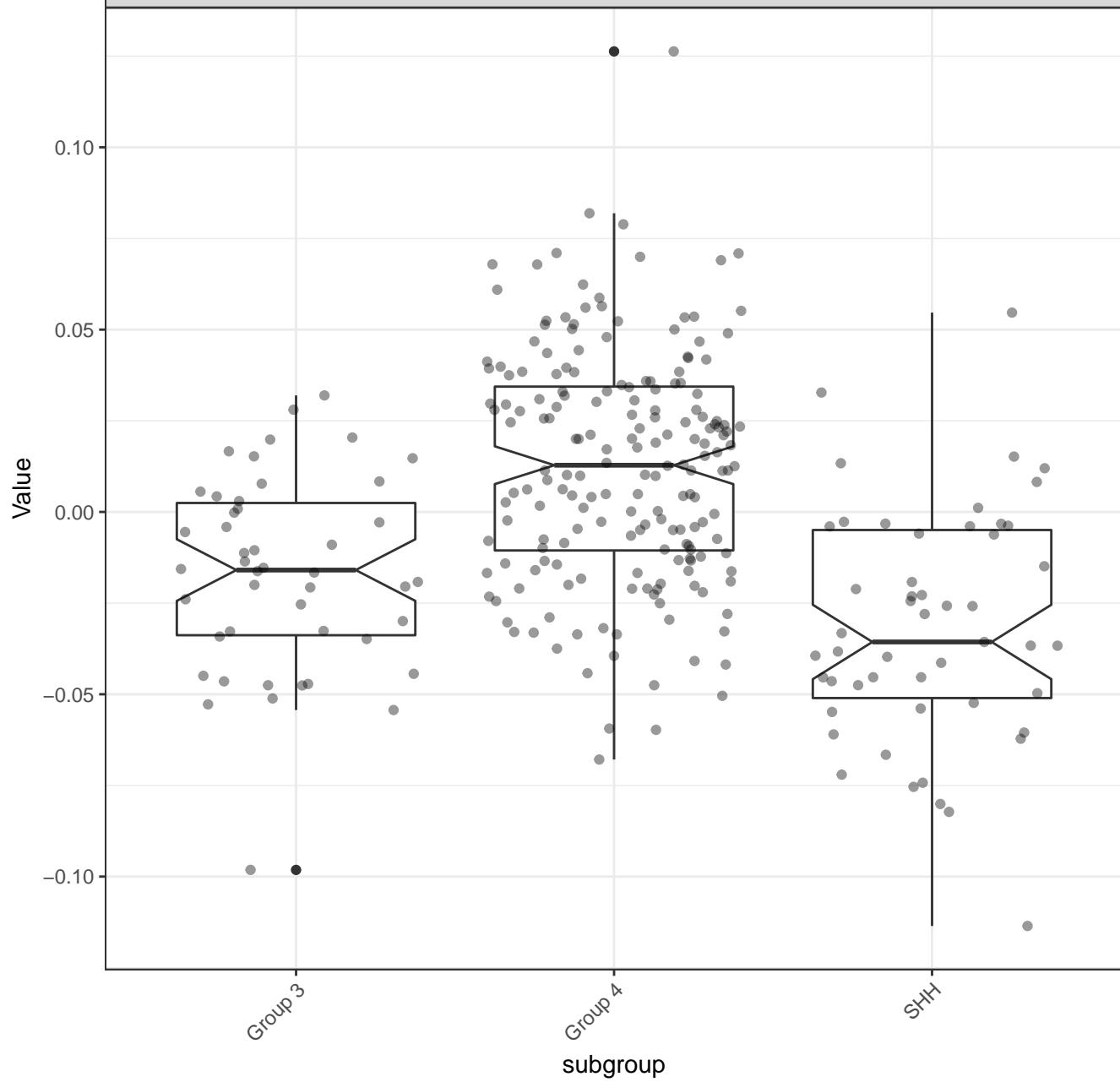


LV 927

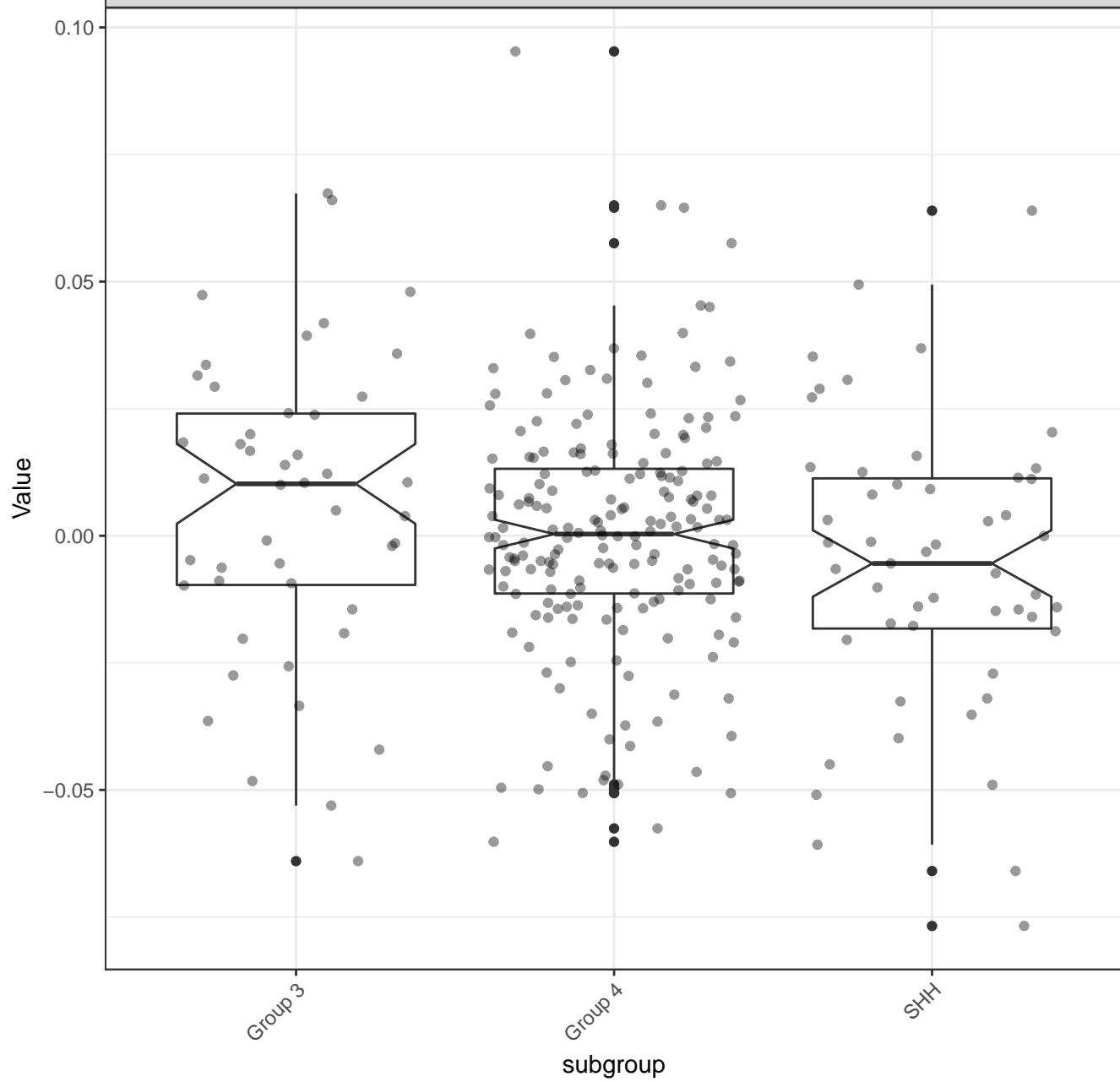
Value



928,DMAP_ERY3



LV 929



Value

0.1

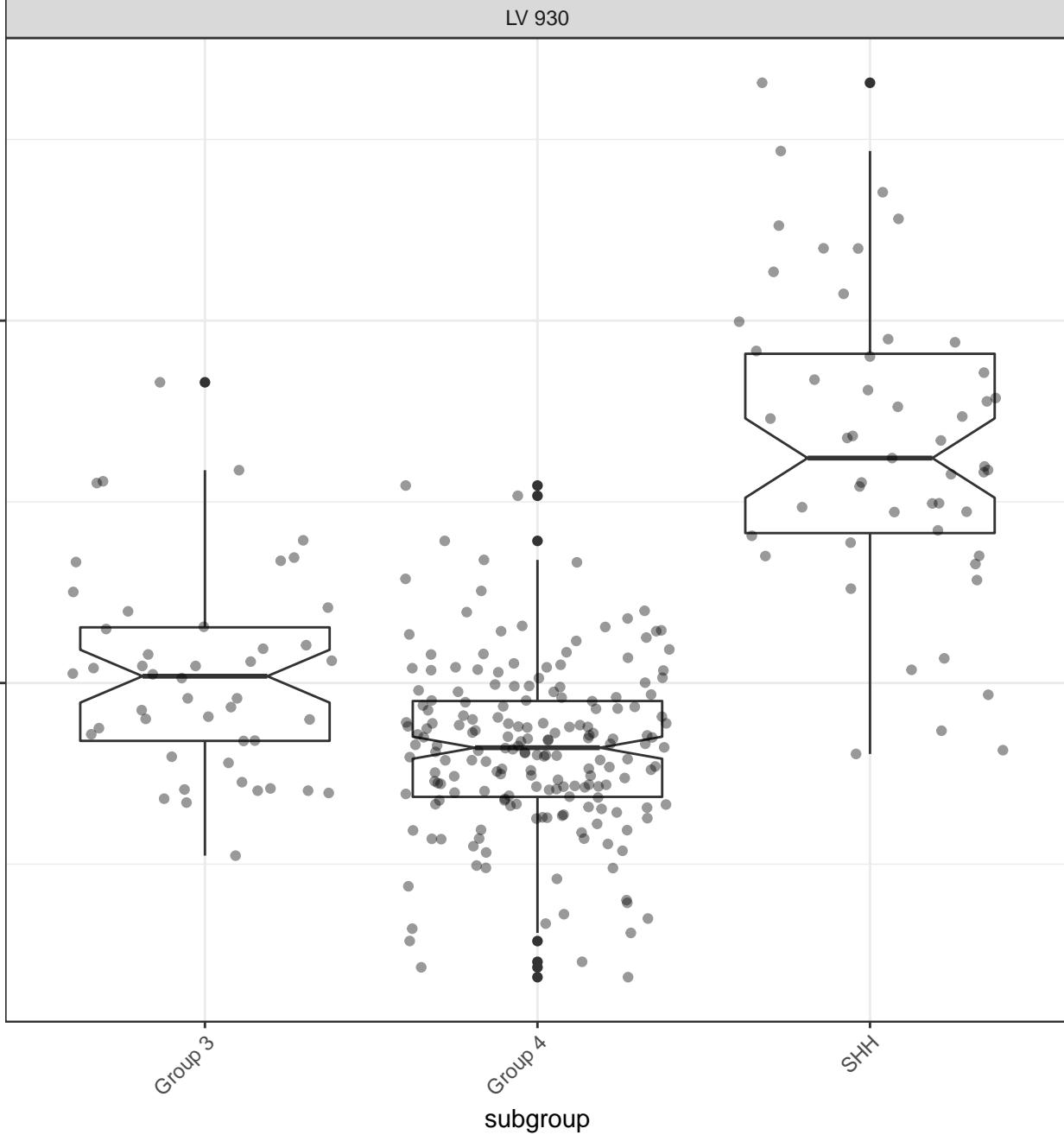
0.0

Group 3

Group 4

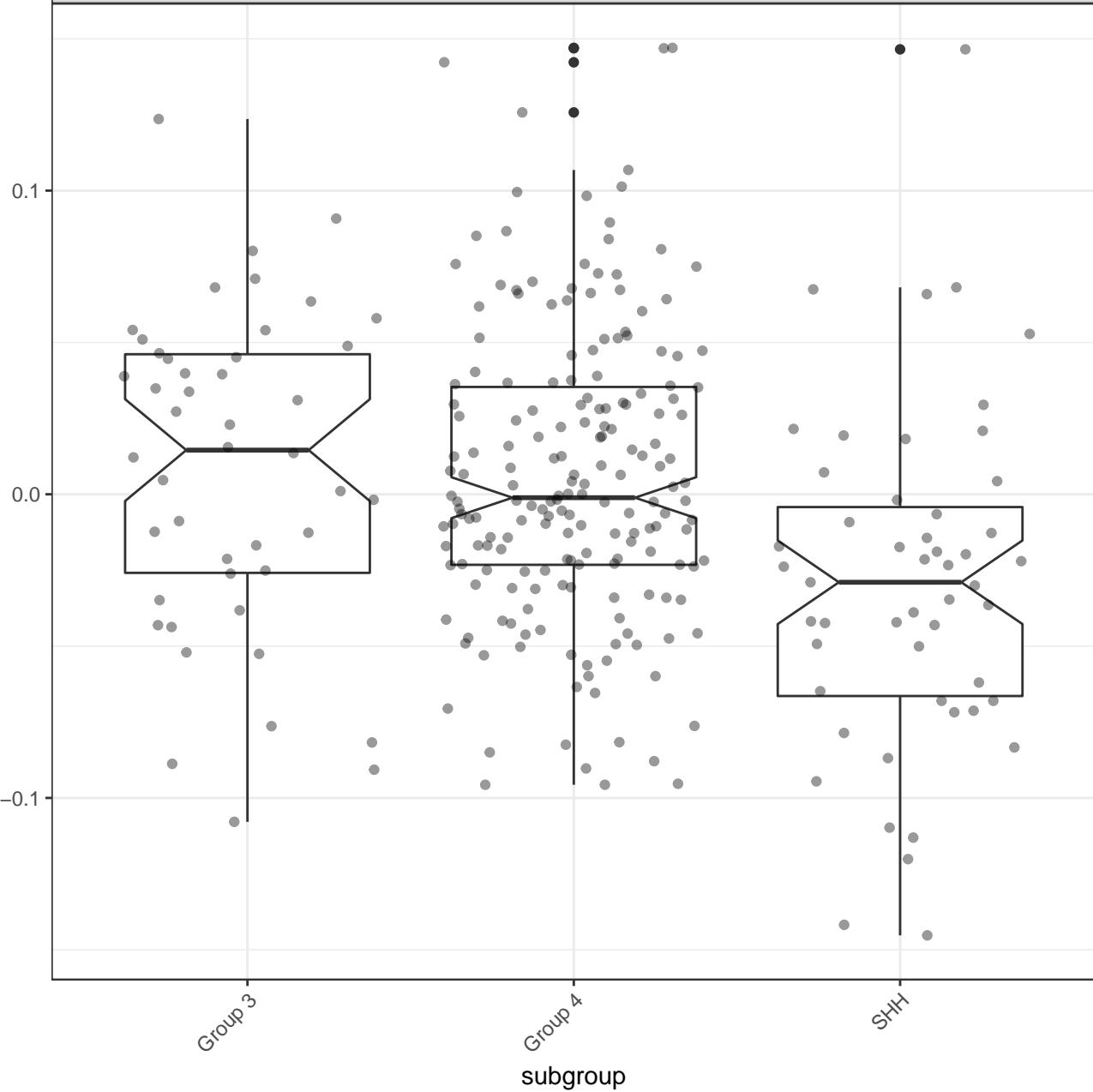
SHH

subgroup

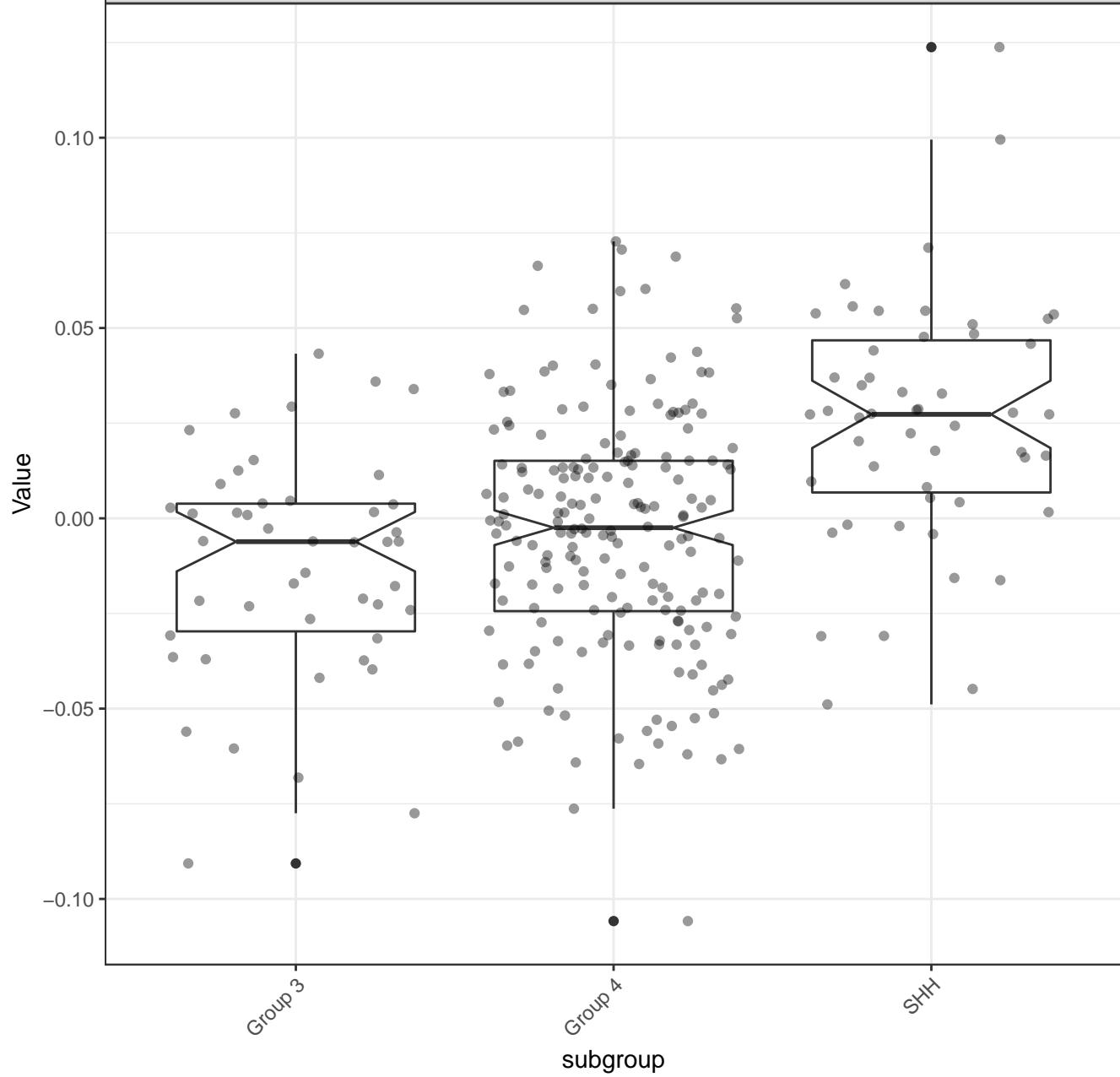


LV 931

Value



932,SVM T cells follicular helper



LV 933

Value

0.10

0.05

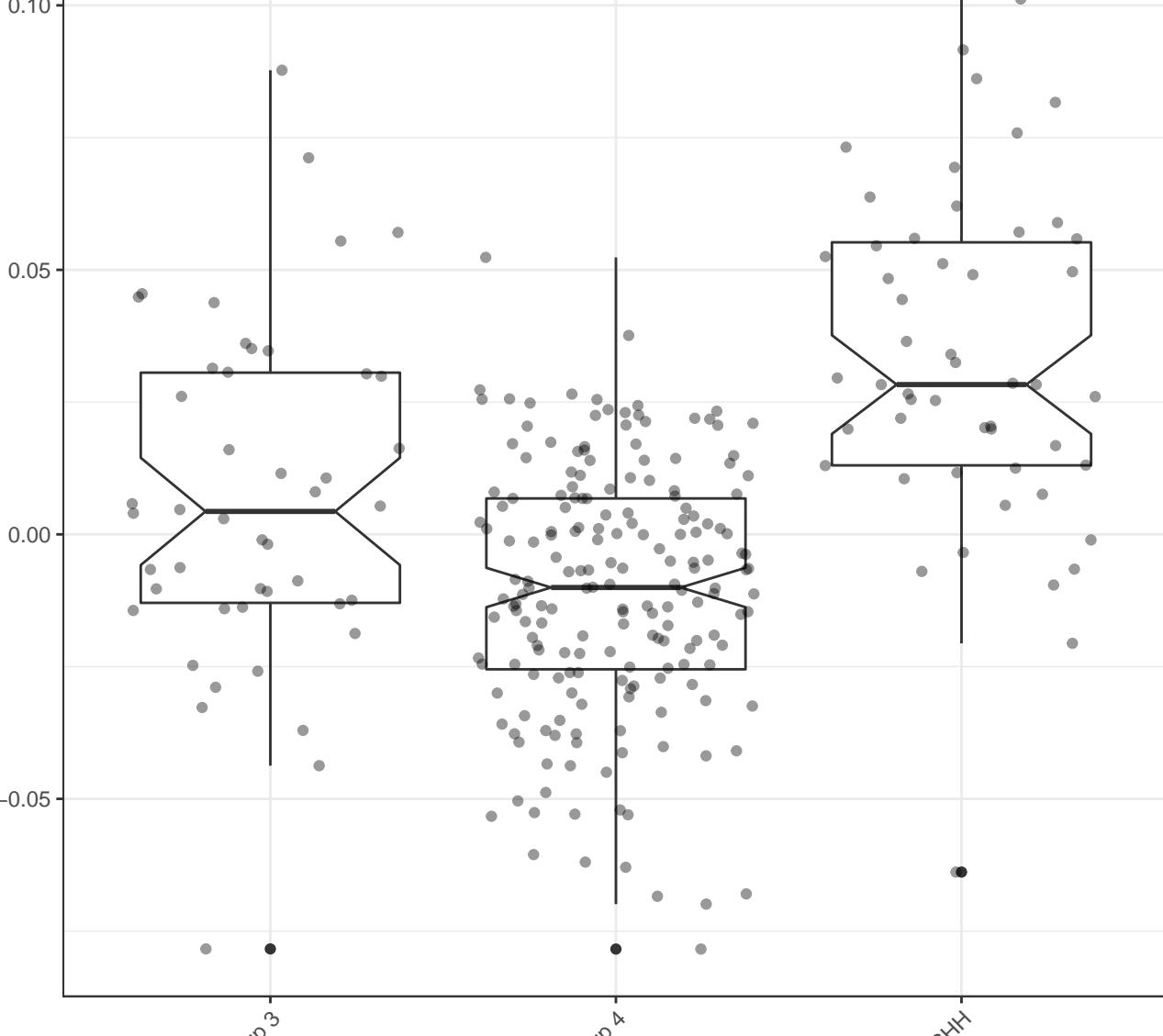
0.00

-0.05

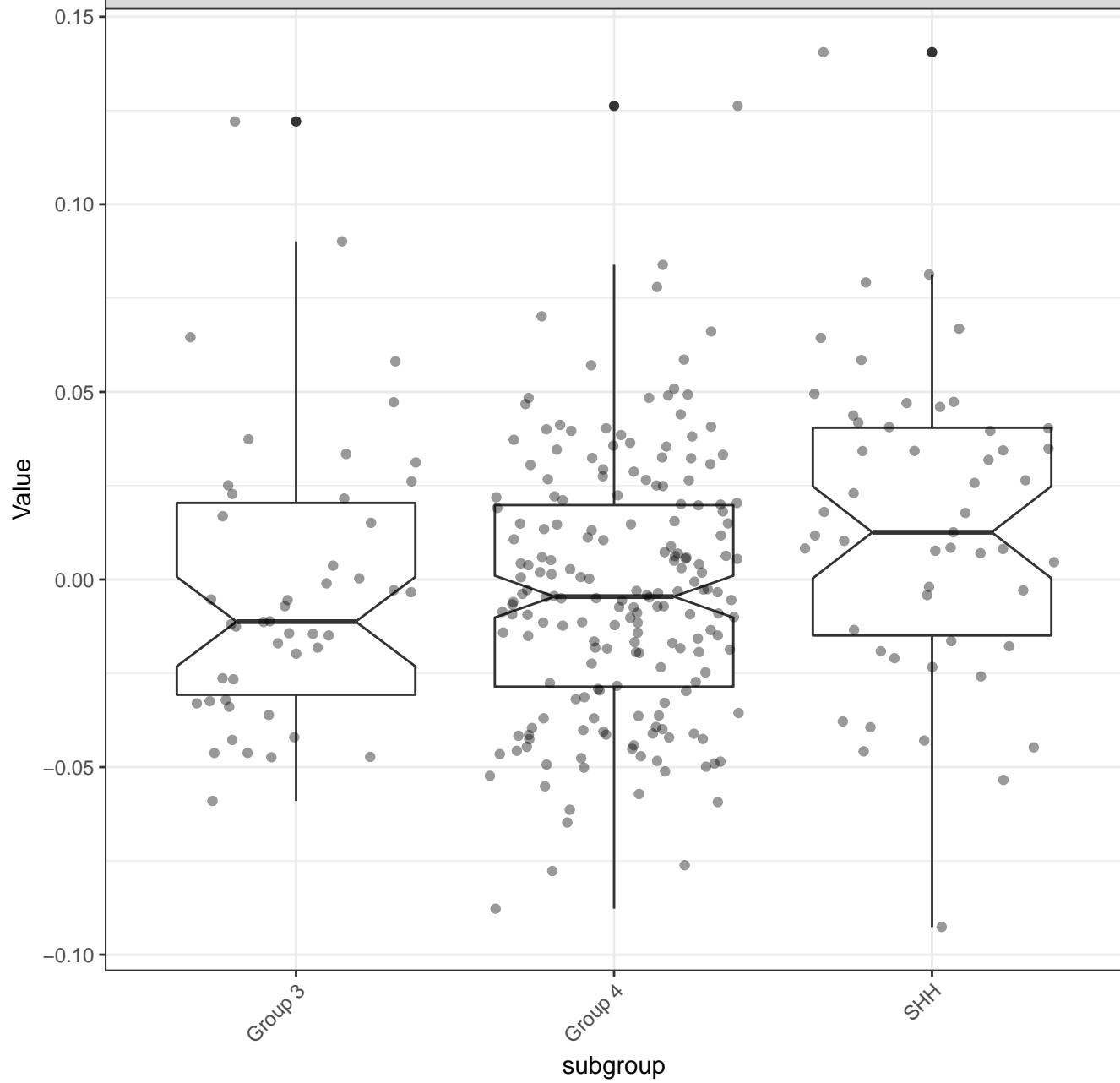
Group 3

subgroup

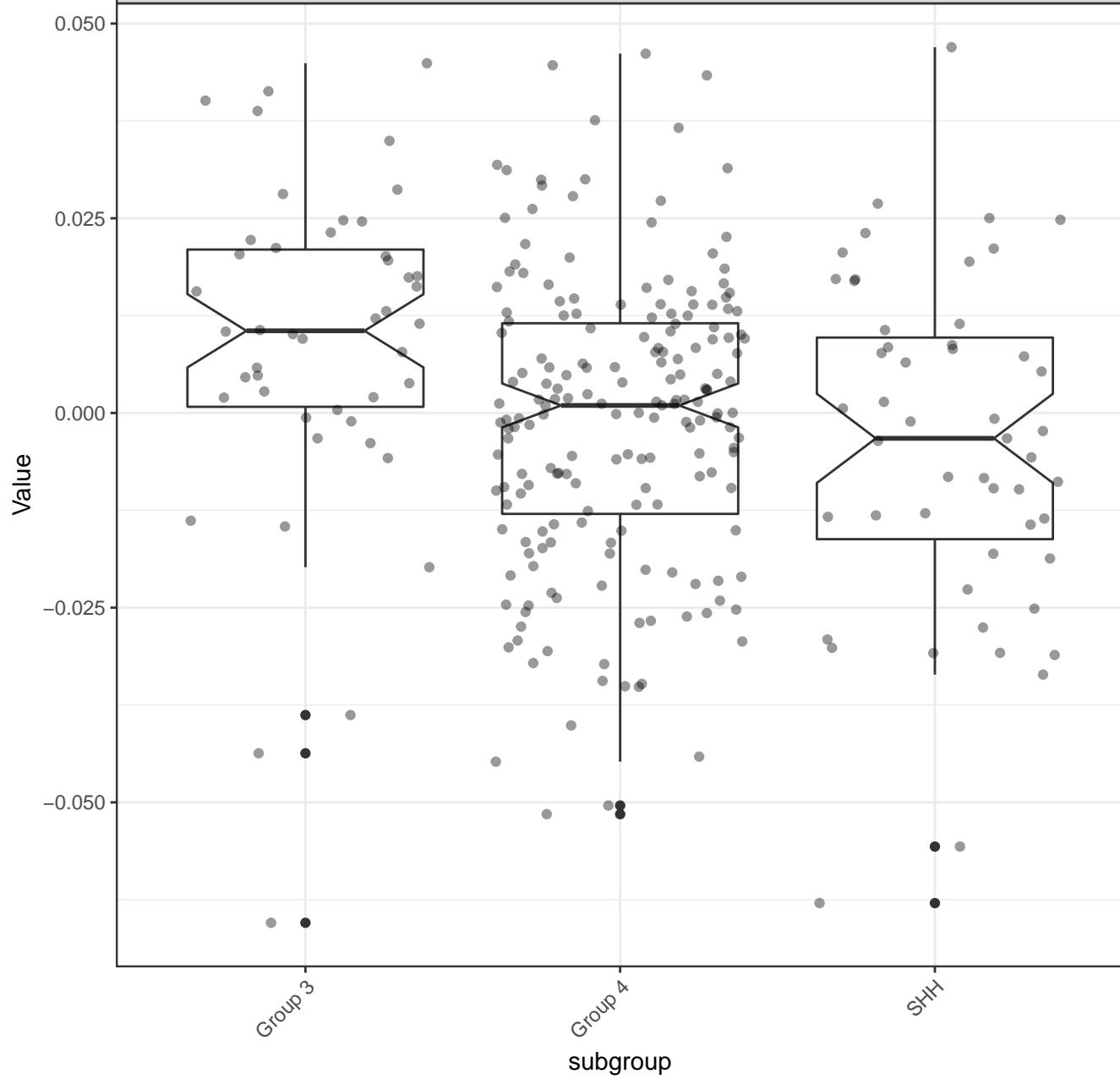
SHH



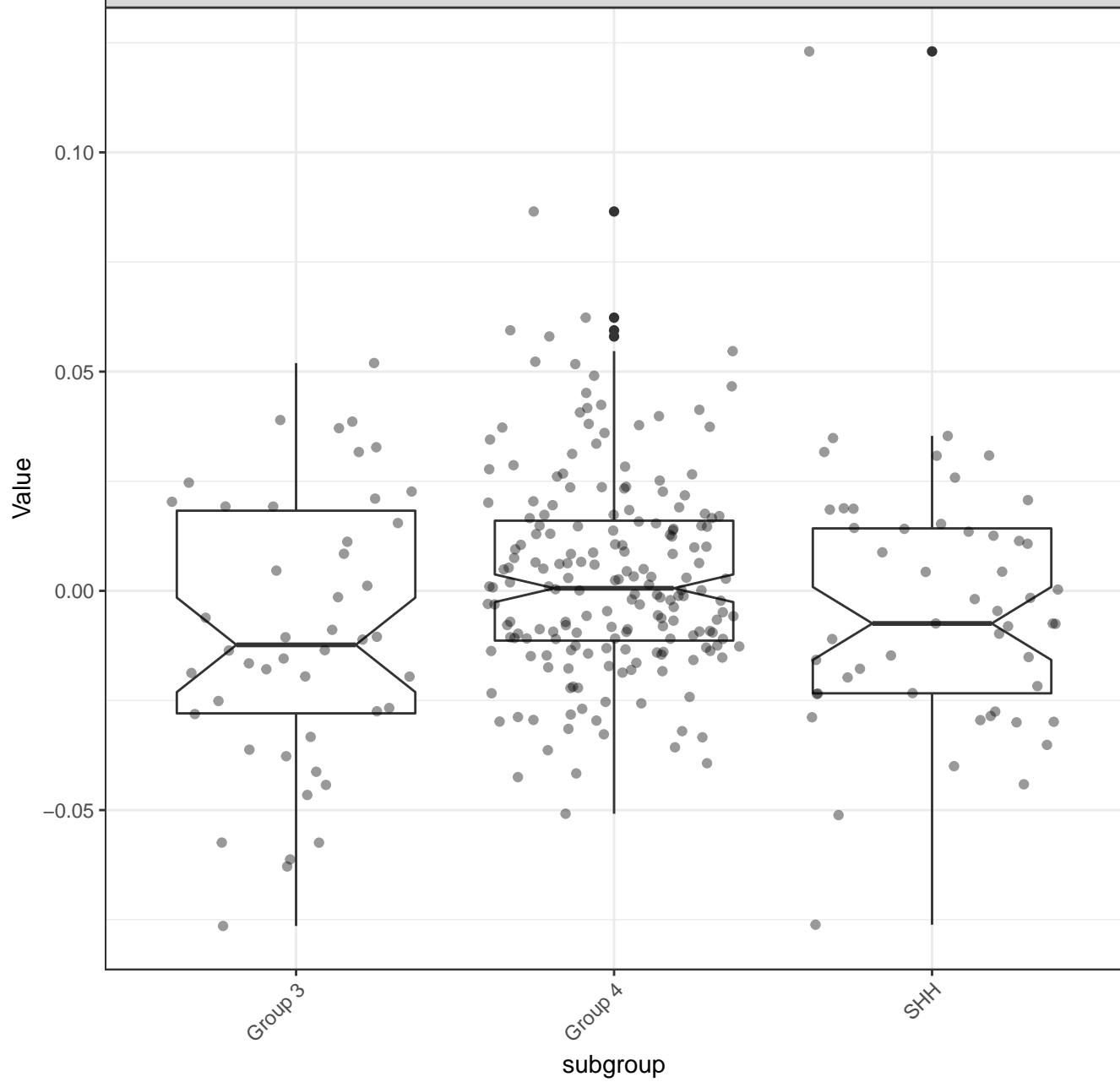
LV 934



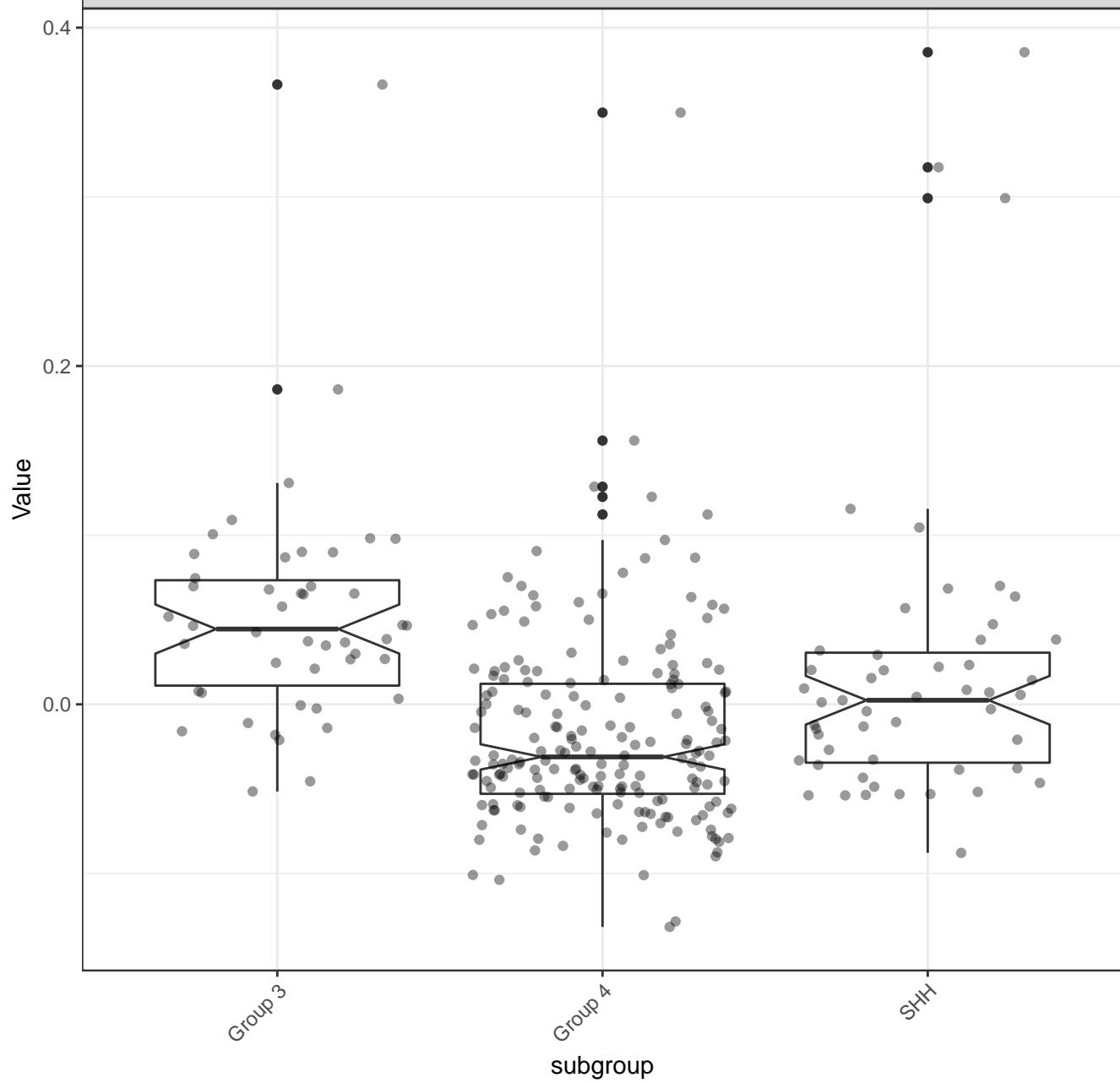
935,REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION



LV 936

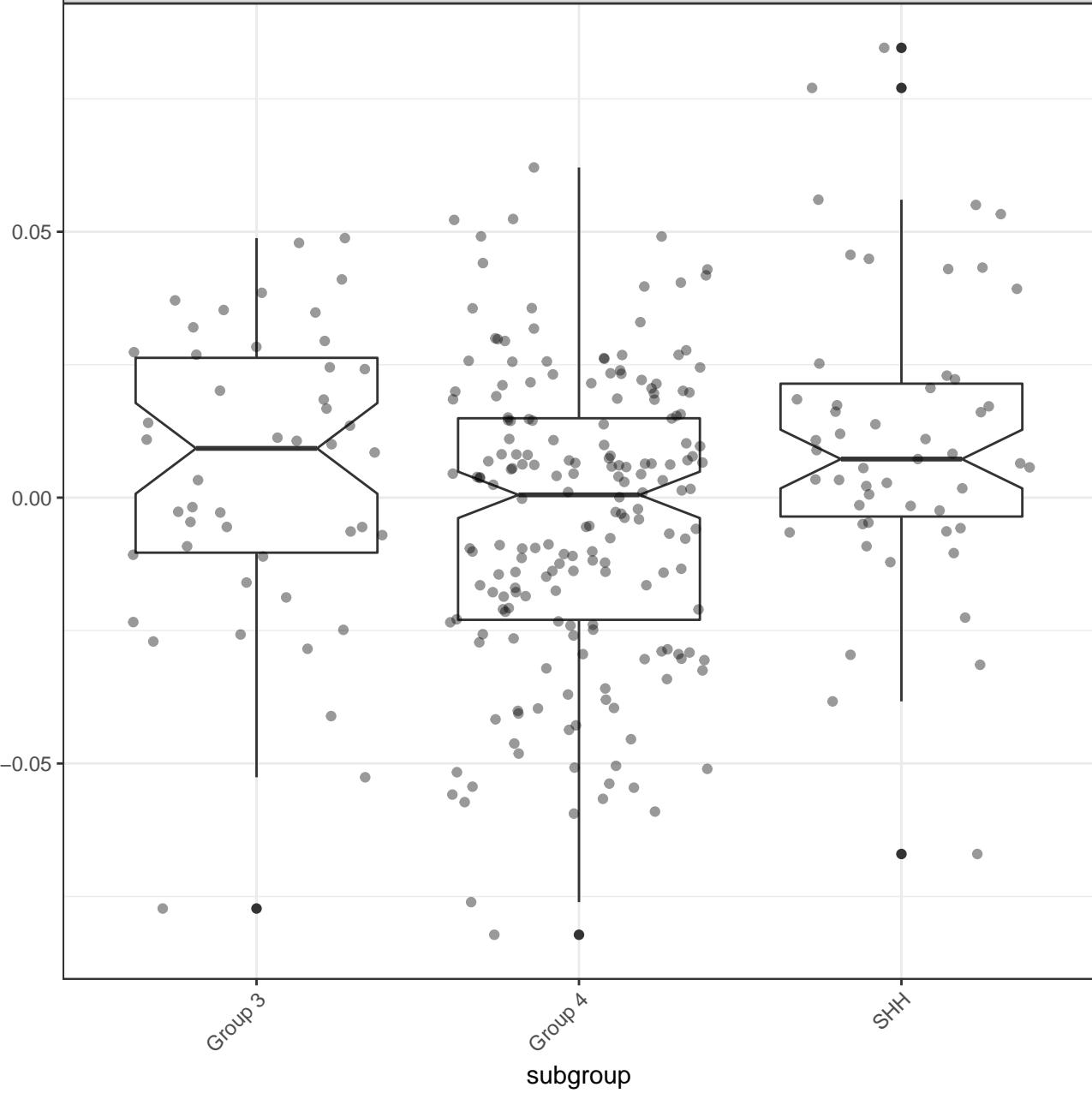


937,PID_HIF1_TFPATHWAY



LV 938

Value



LV 939

Value

0.05

0.00

-0.05

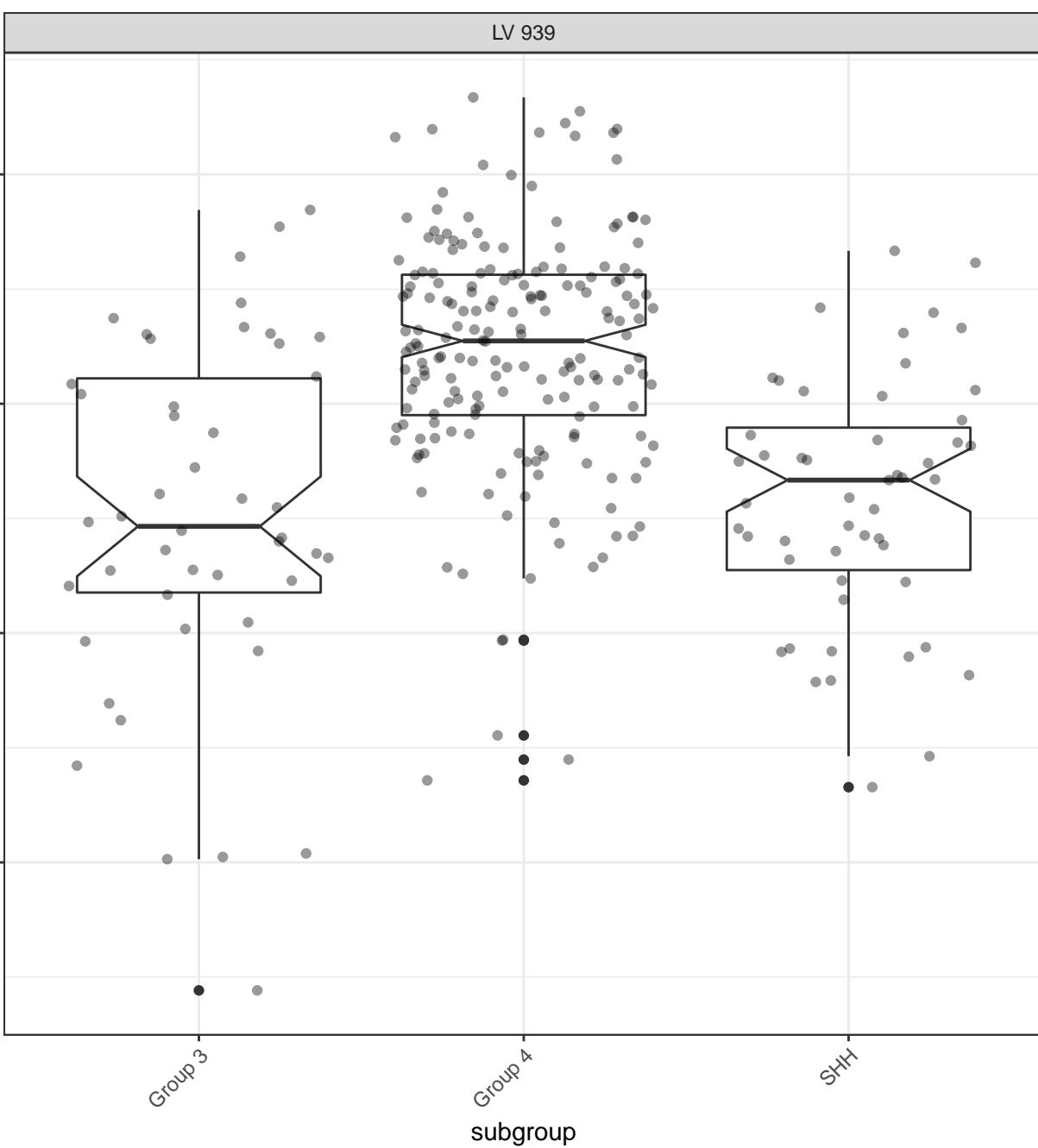
-0.10

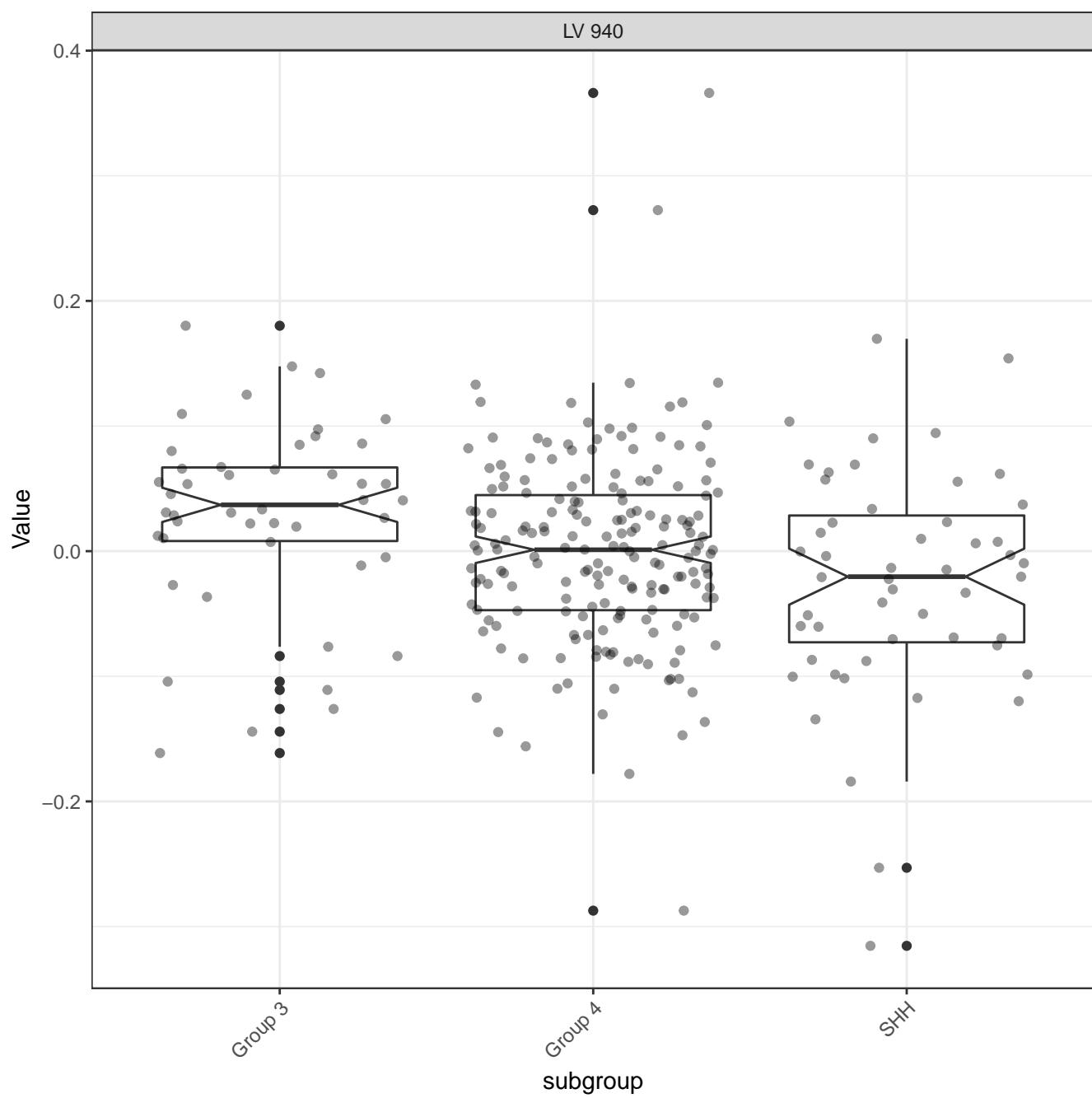
Group 3

Group 4

SHH

subgroup





LV 941

Value

0.05

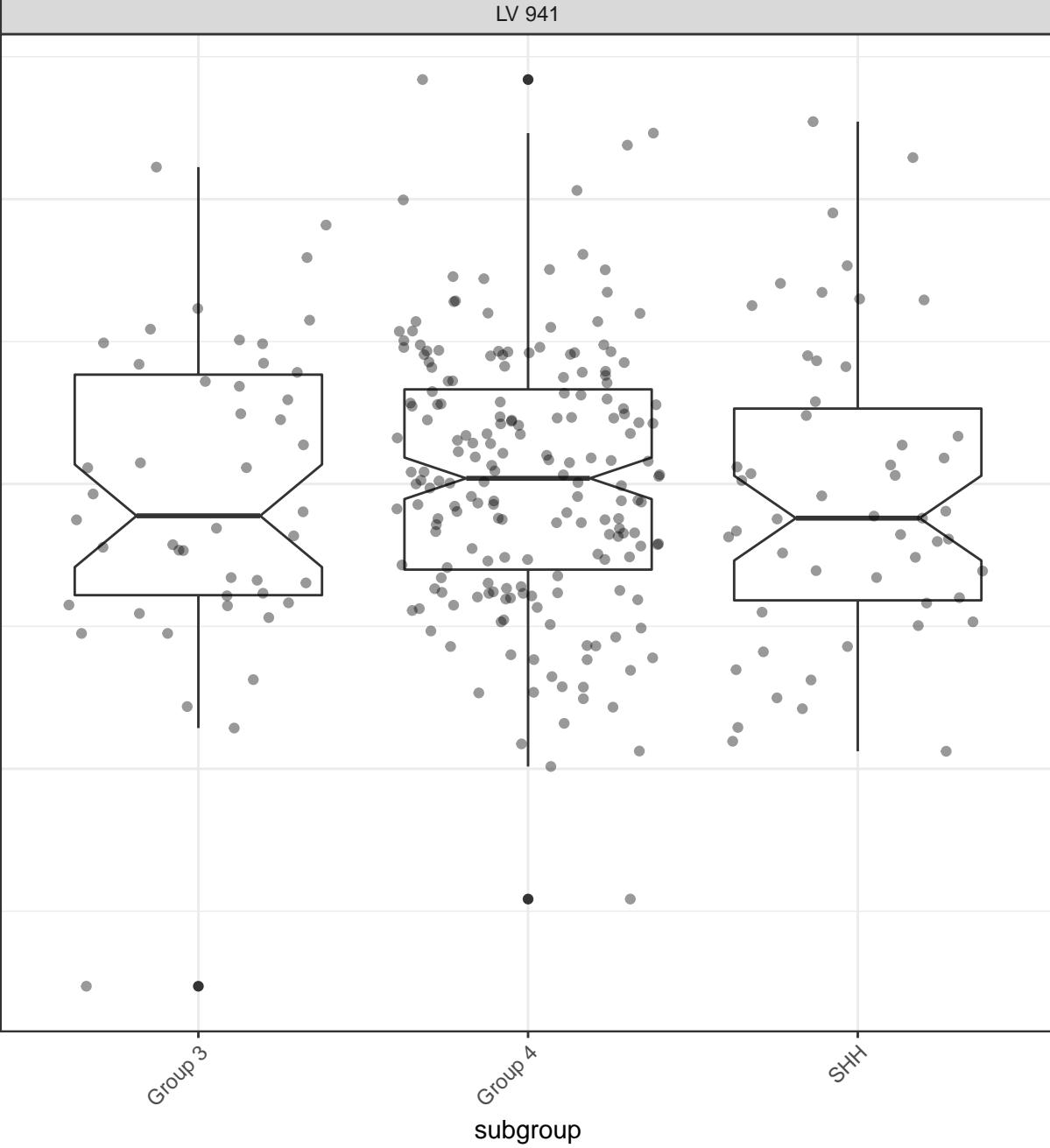
0.00

-0.05

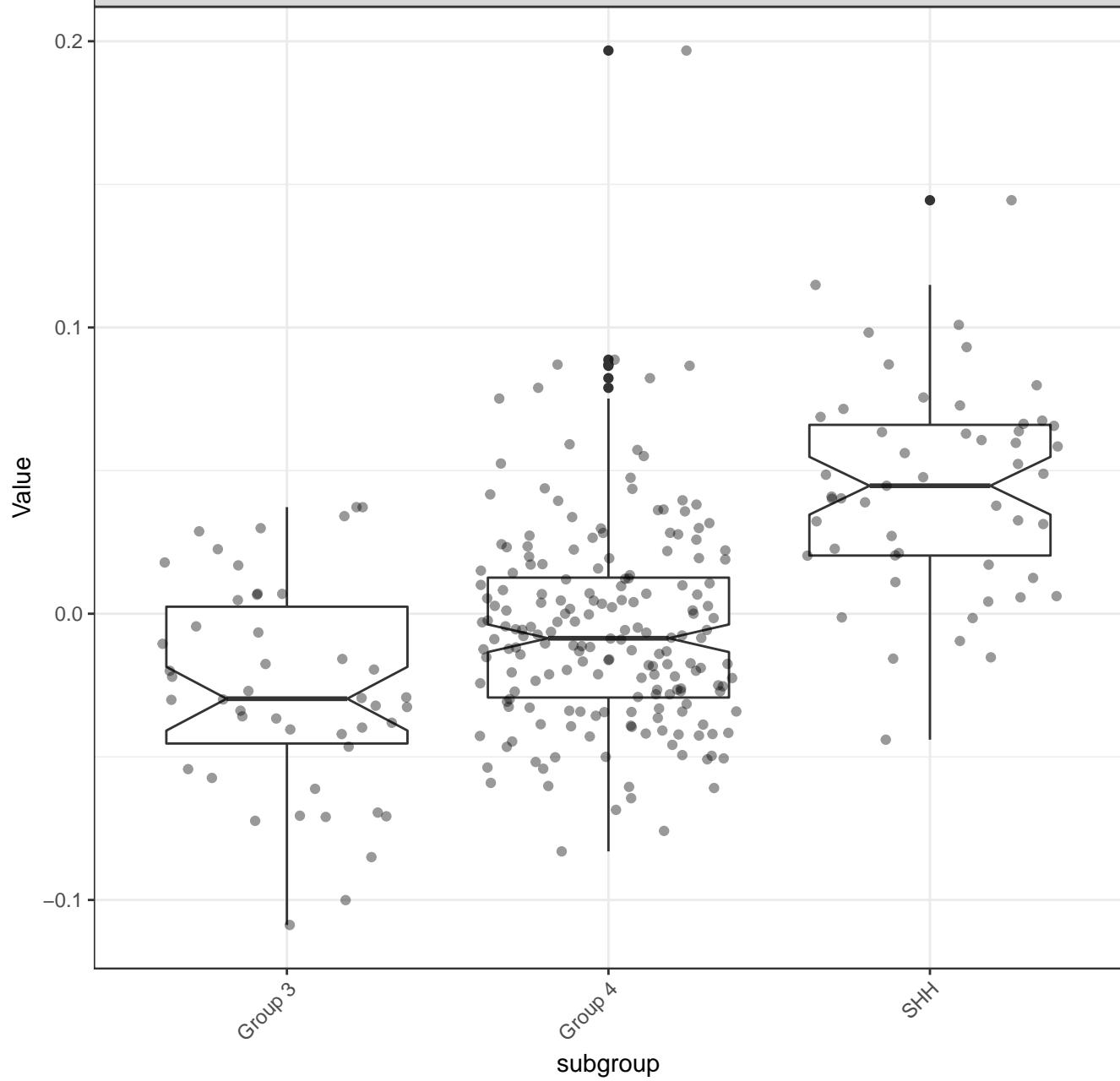
Group₃

subgroup

SHH



942,SVM T cells CD4 memory activated



LV 943

Value

0.10

0.05

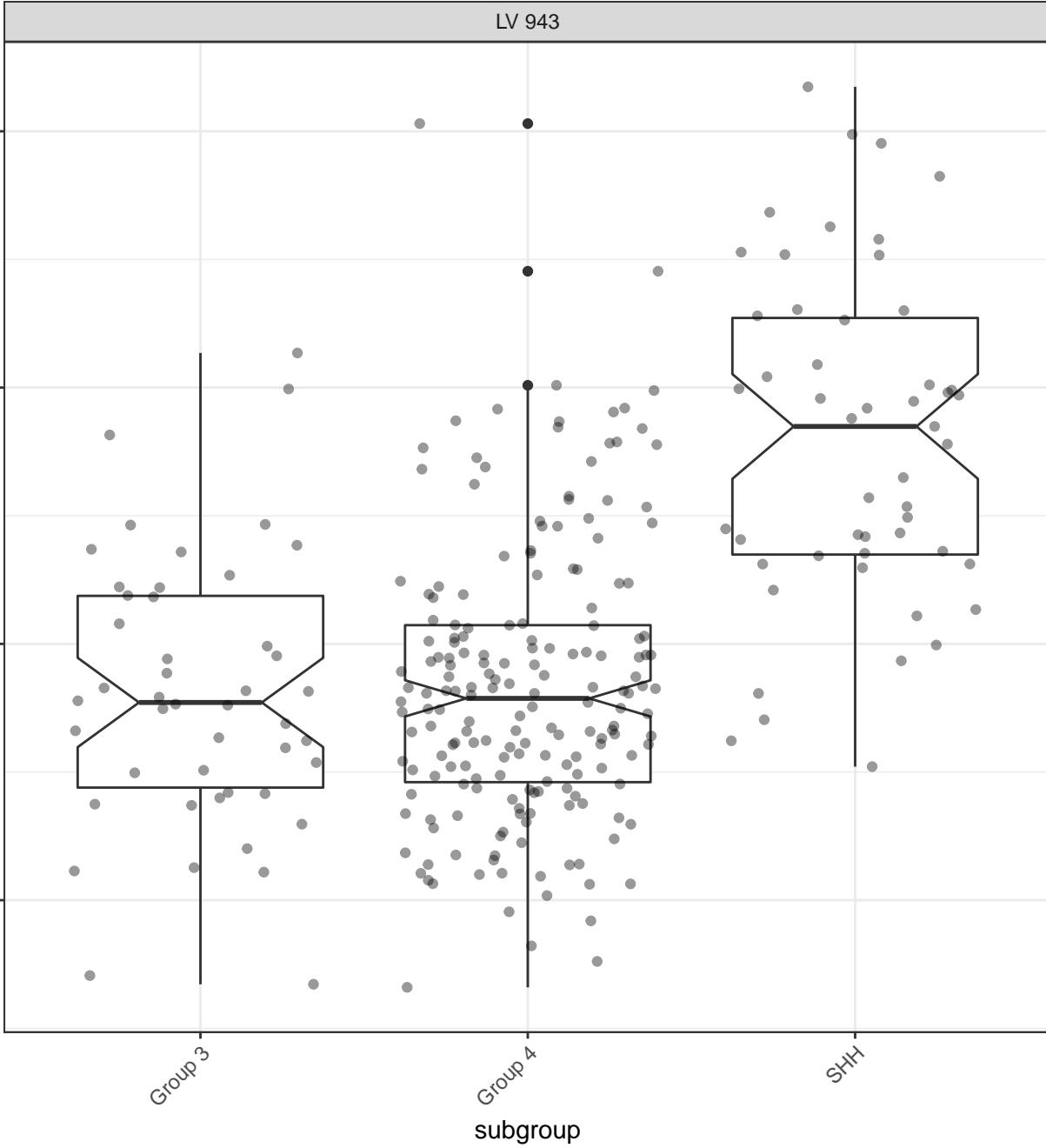
0.00

-0.05

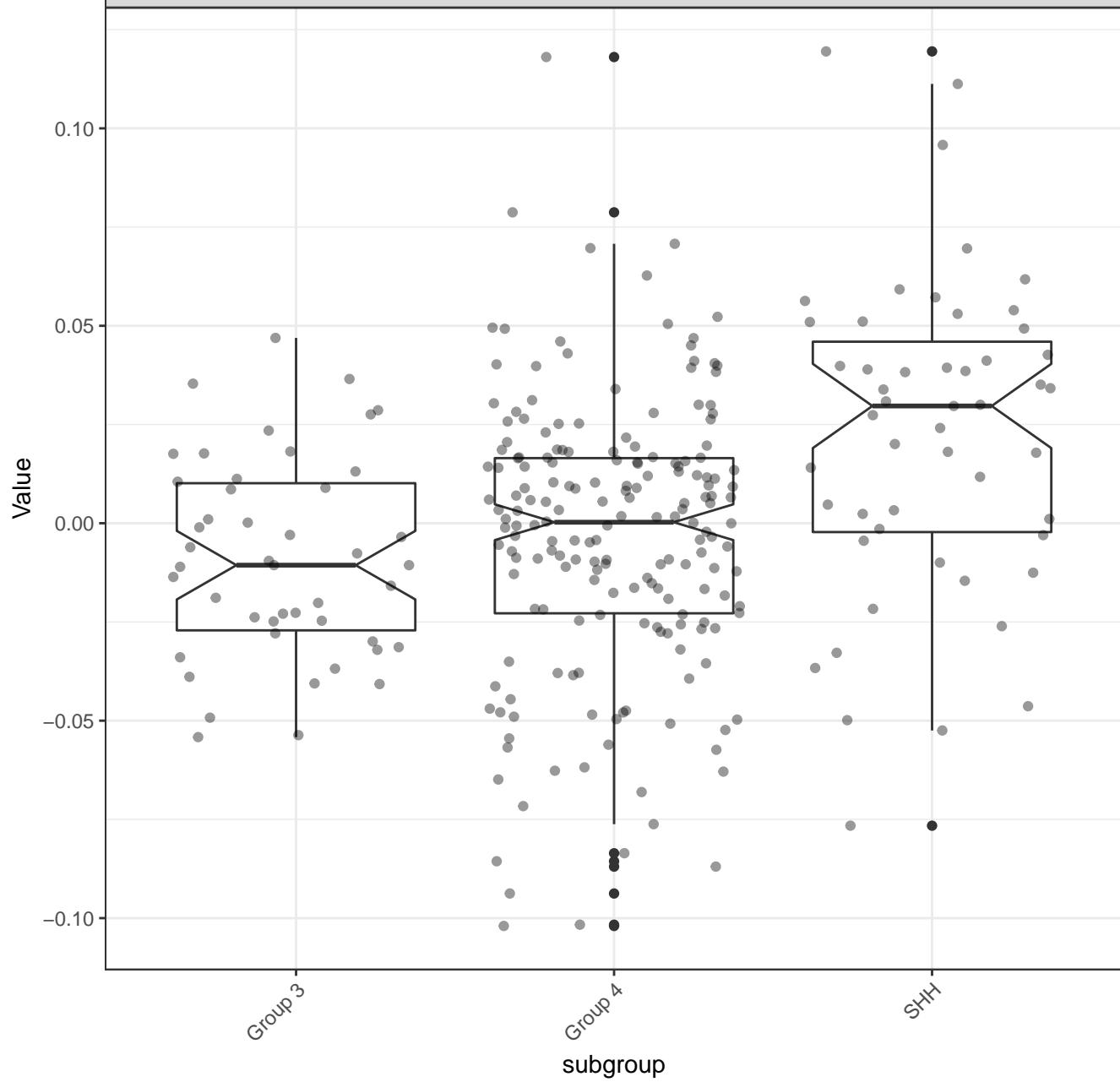
Group₃Group₄

SHH

subgroup



LV 944



LV 945

Value

0.1

0.0

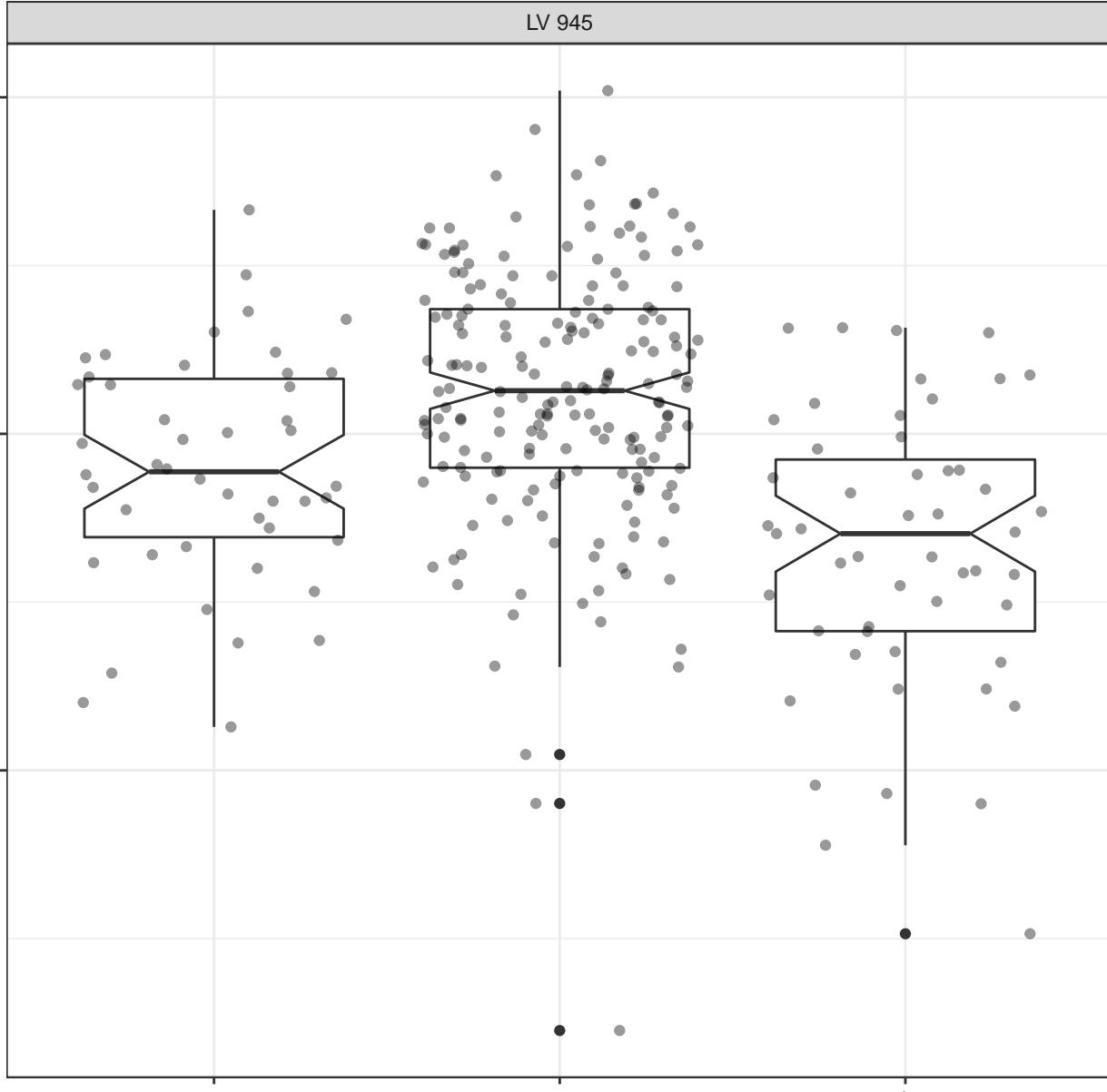
-0.1

Group 3

Group 4

SHH

subgroup



LV 946

Value

0.10

0.05

0.00

-0.05

-0.10

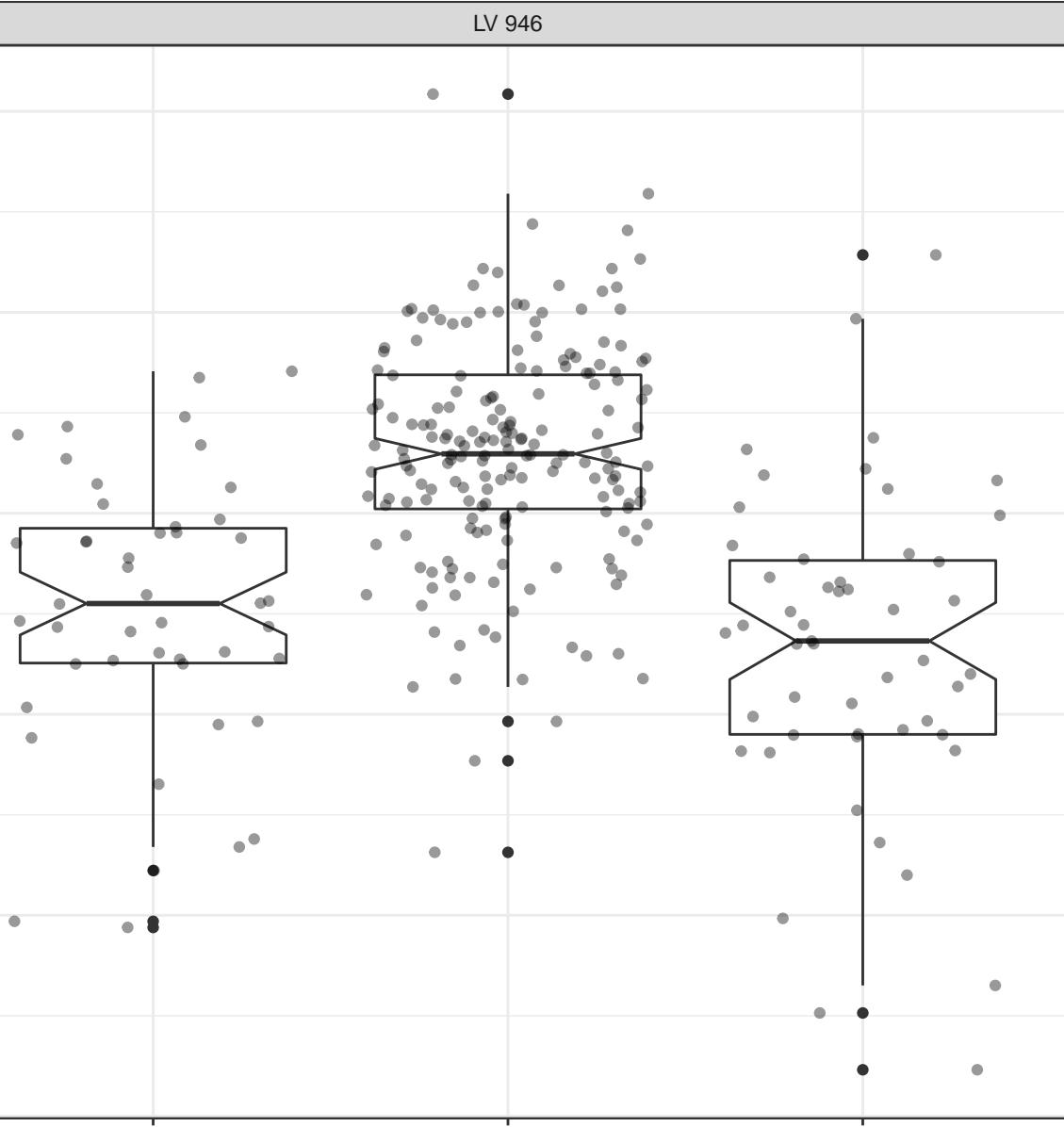
-0.15

Group 3

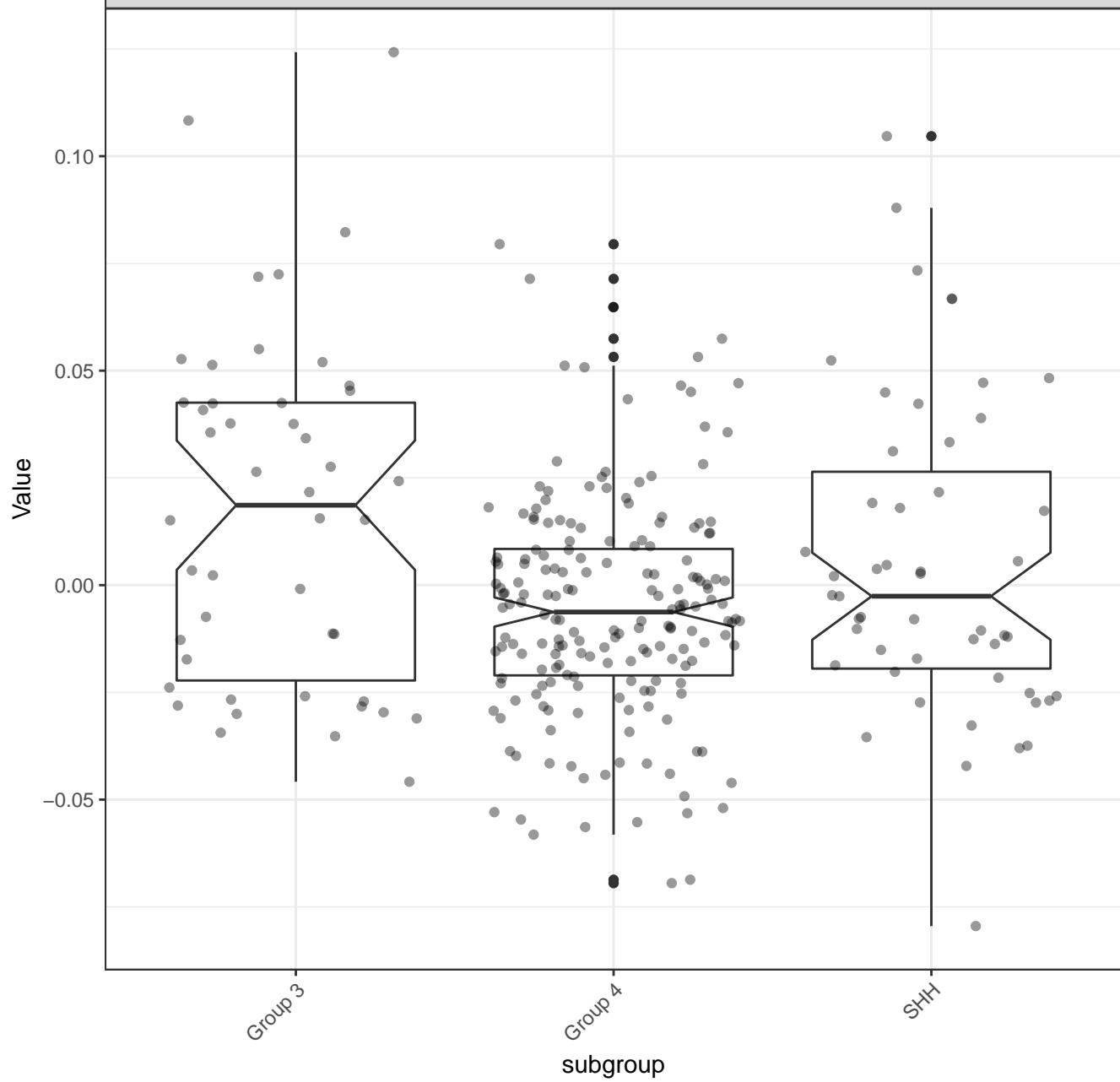
subgroup

Group 4

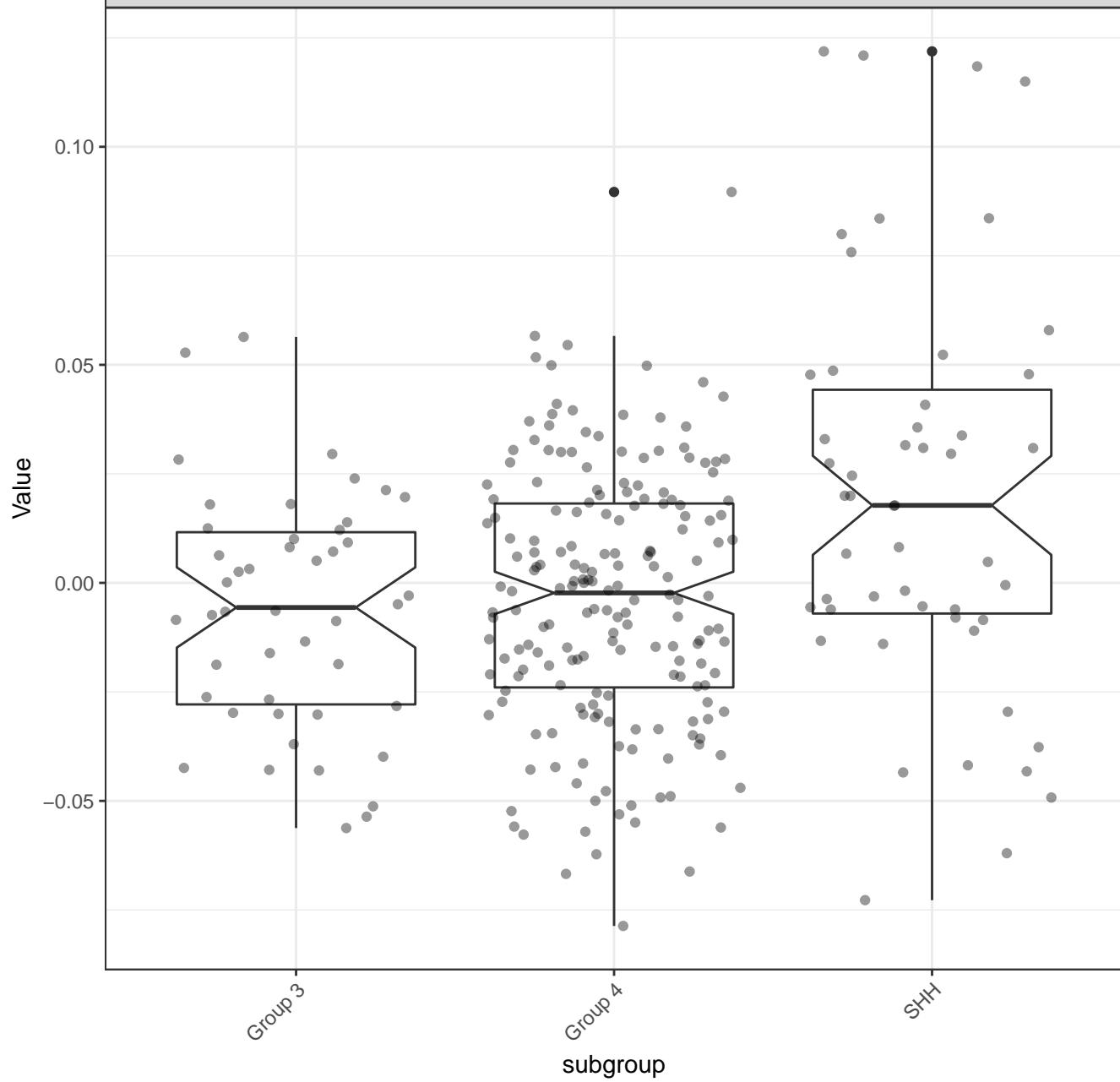
SHH



LV 947



LV 948



LV 949

Value

0.05

0.00

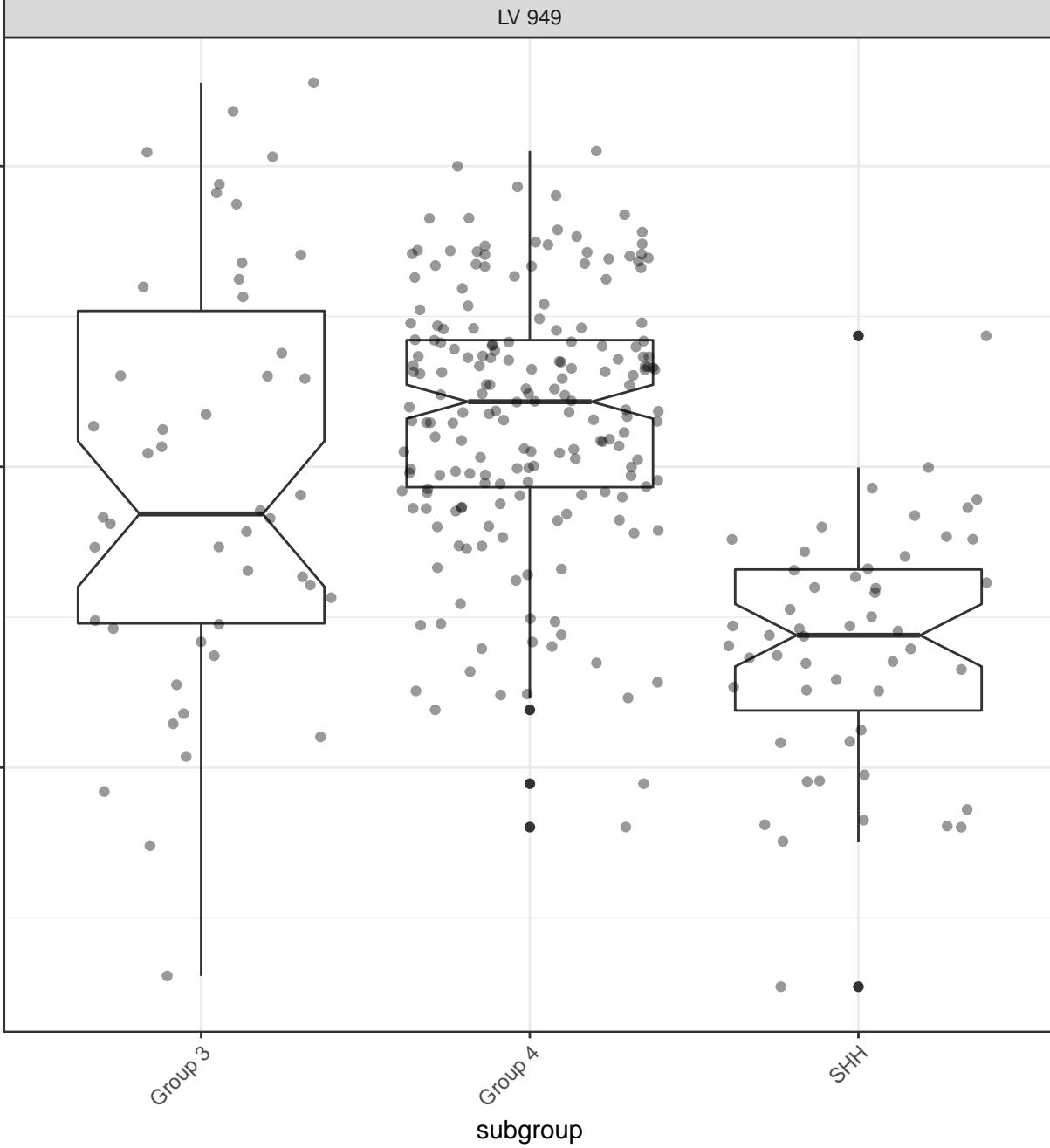
-0.05

Group 3

Group 4

SHH

subgroup



LV 950

Value

0.05

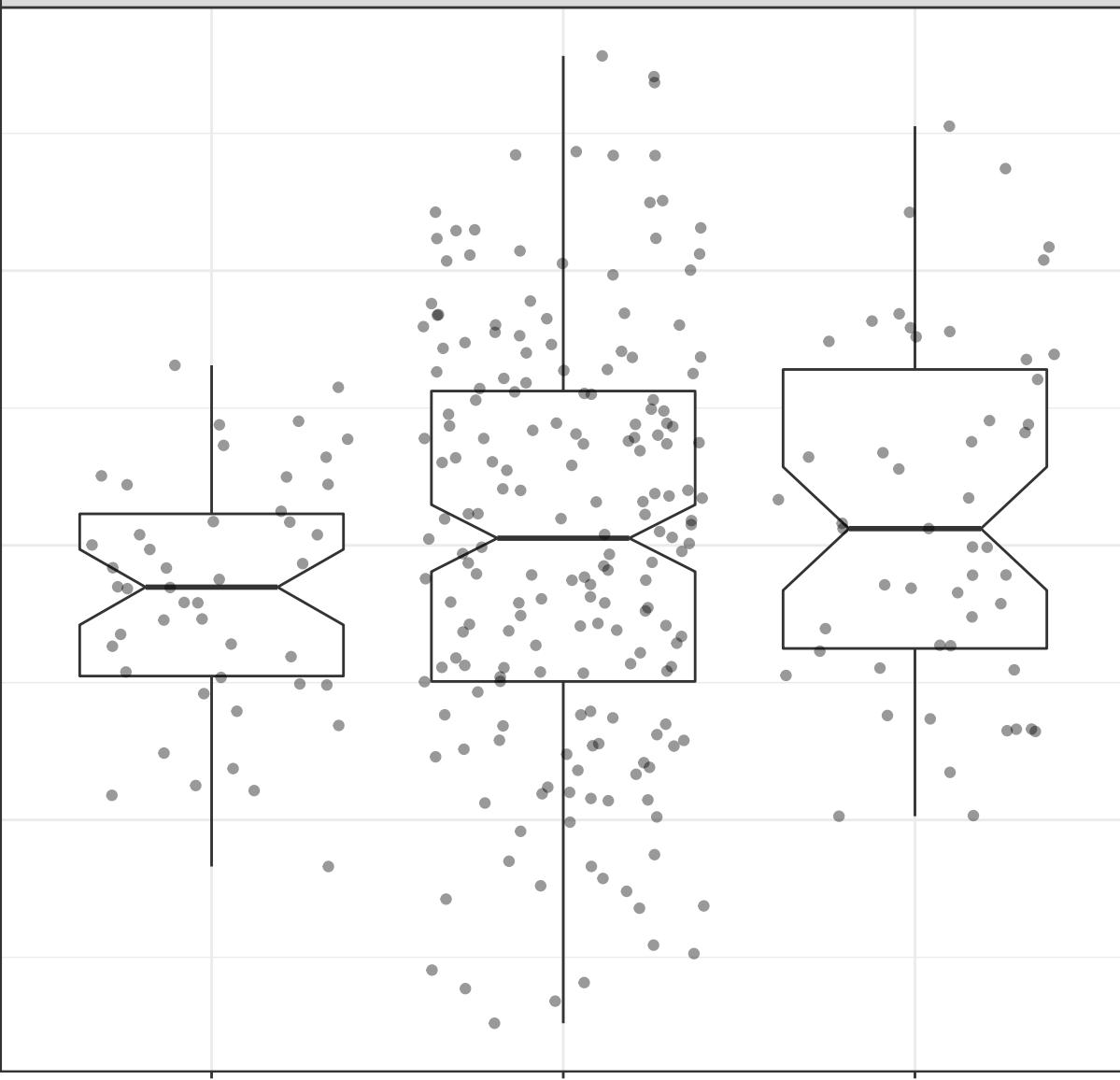
0.00

-0.05

Group 3

subgroup

SHH



951,SVM Plasma cells

Value

0.10

0.05

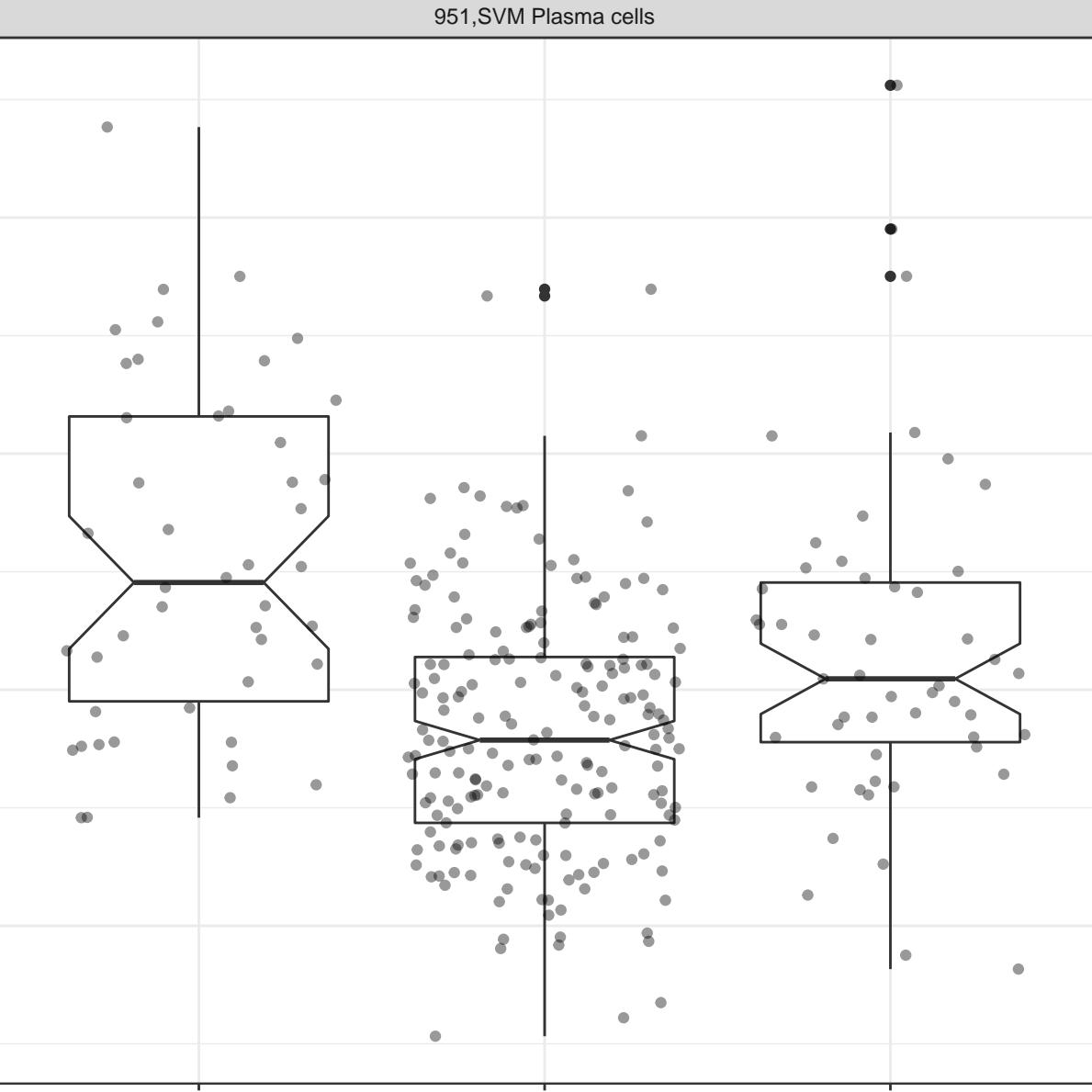
0.00

-0.05

Group 3

subgroup

SHH



LV 952

Value

0.10

0.05

0.00

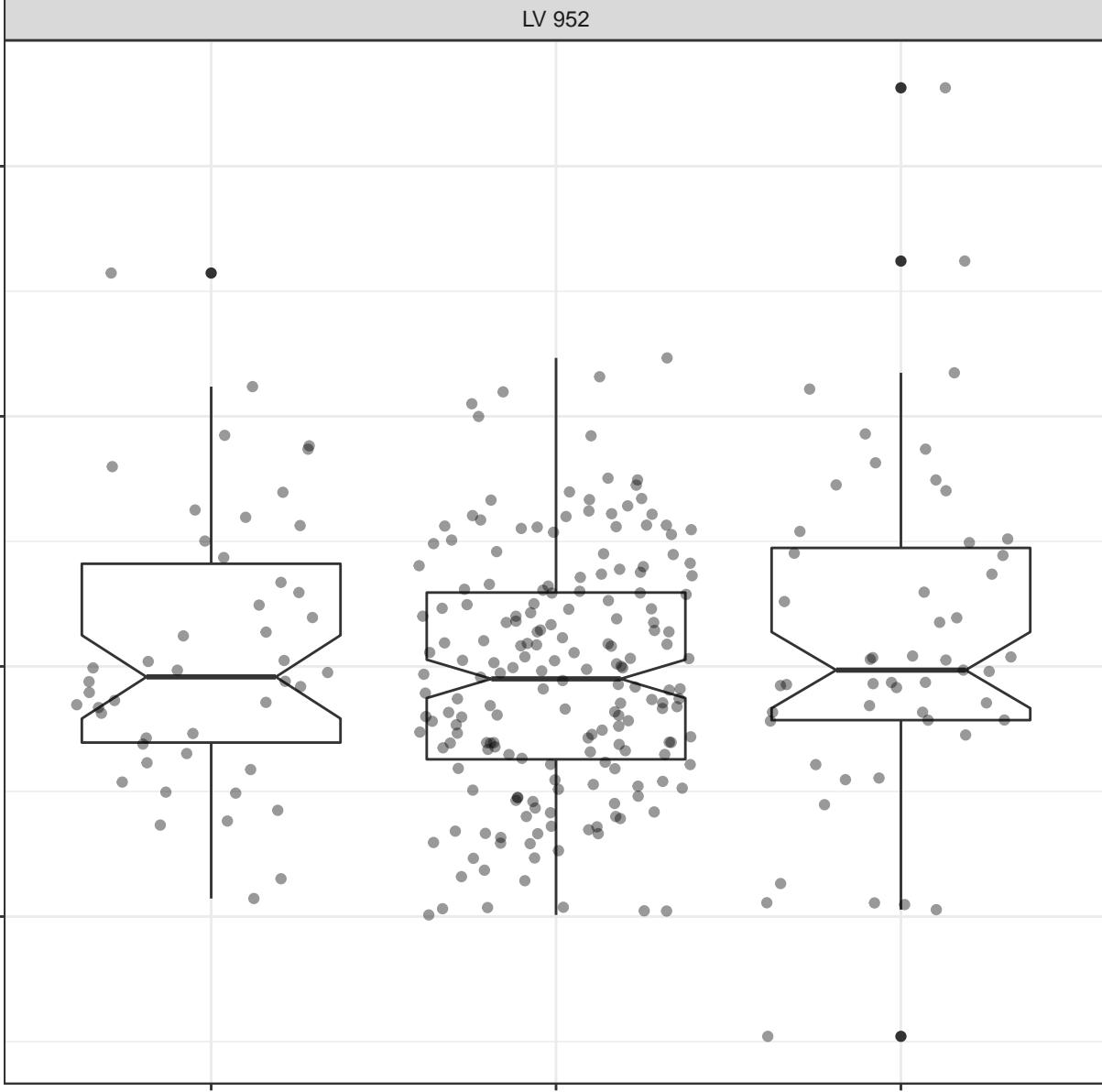
-0.05

Group 3

Group 4

SHH

subgroup



Value

0.2

0.1

0.0

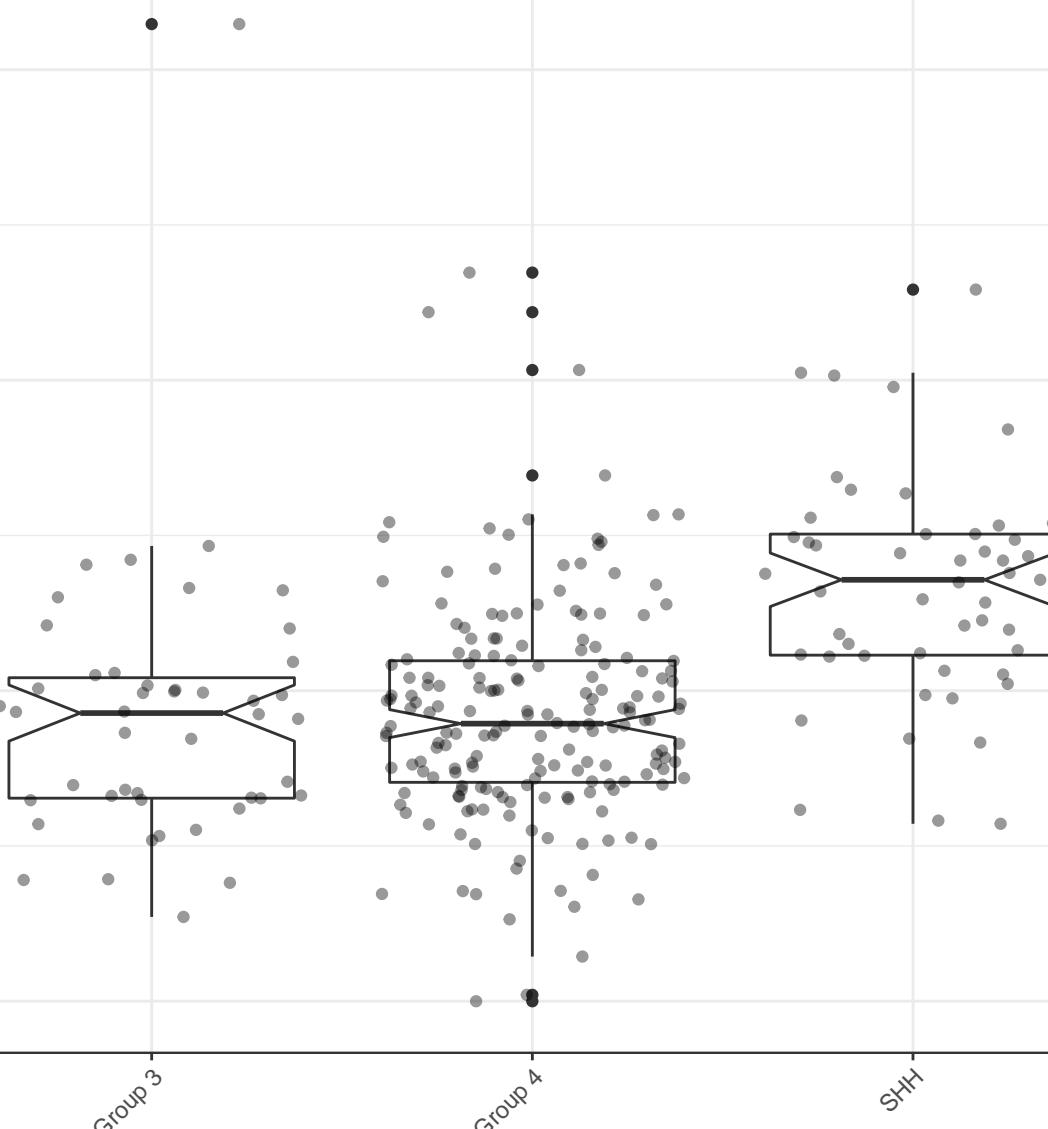
-0.1

Group 3

Group 4

SHH

subgroup



954,DMAP_TCELLA6

Value

0.2

0.1

0.0

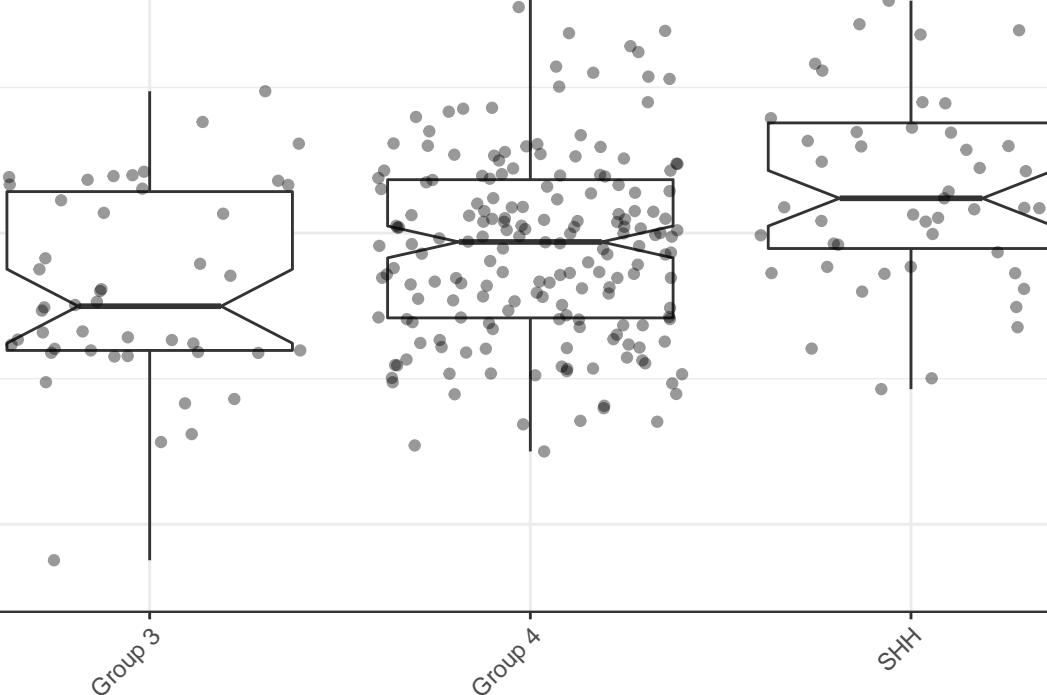
-0.1

Group 3

Group 4

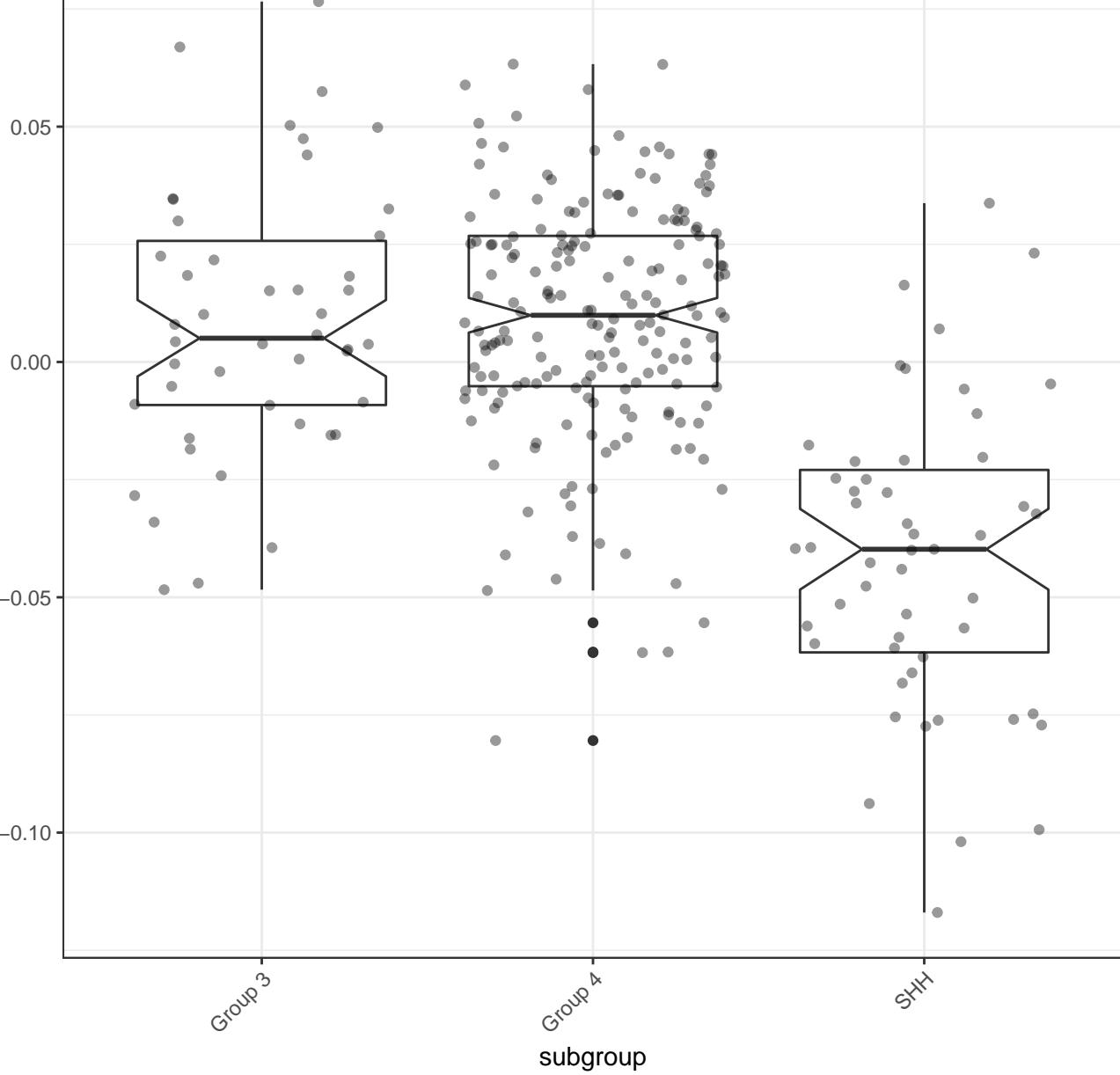
SHH

subgroup

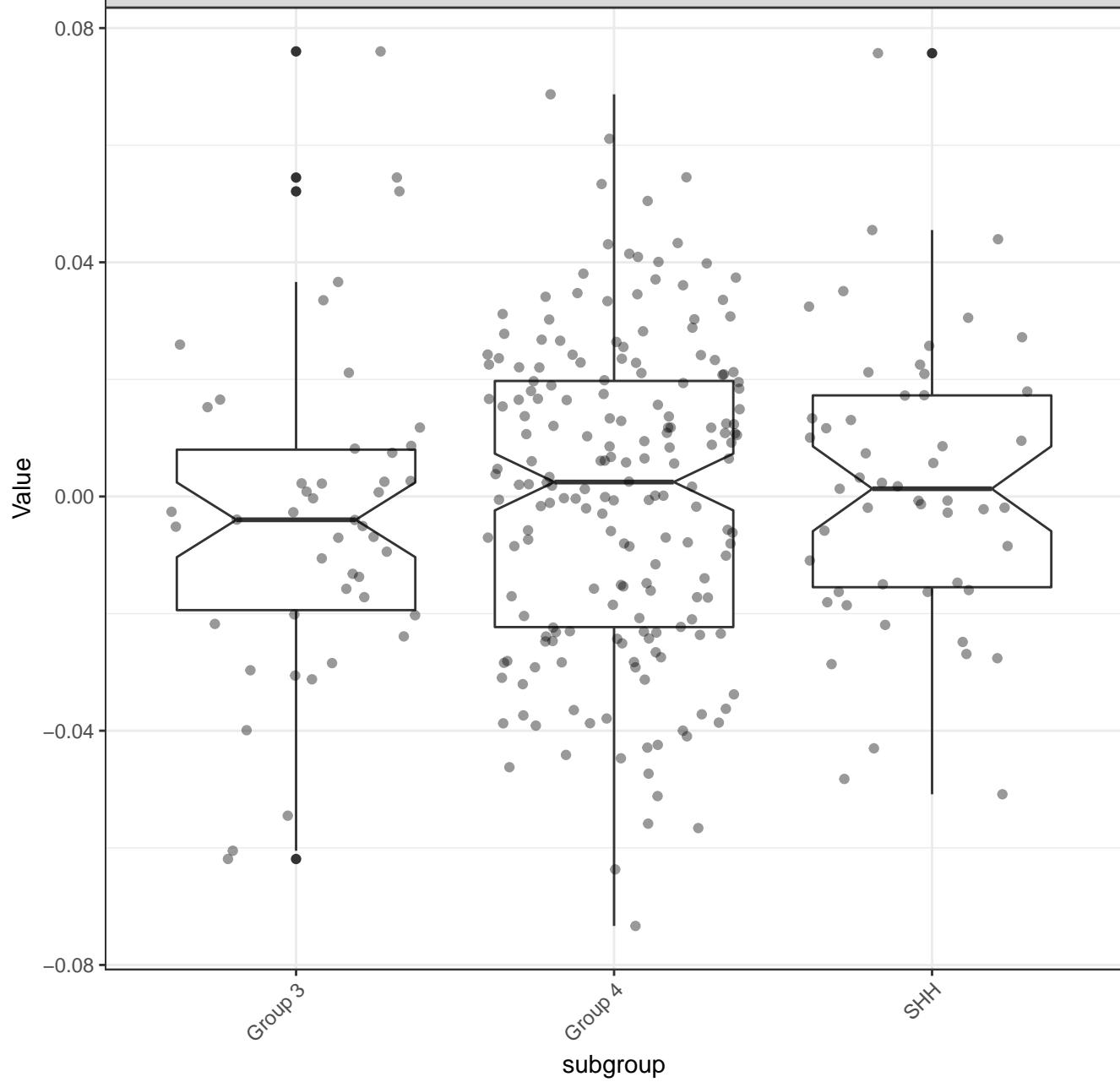


LV 955

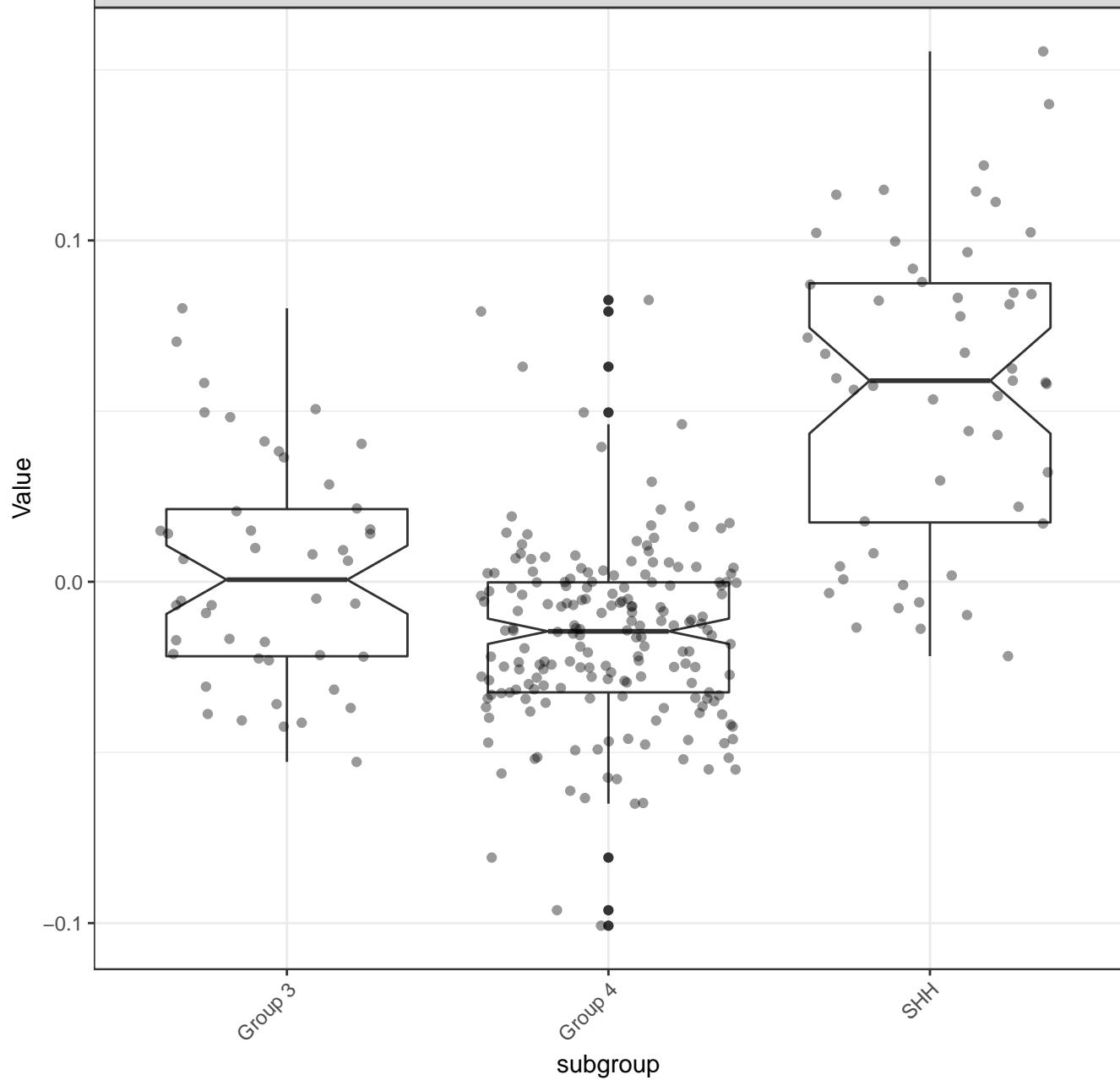
Value



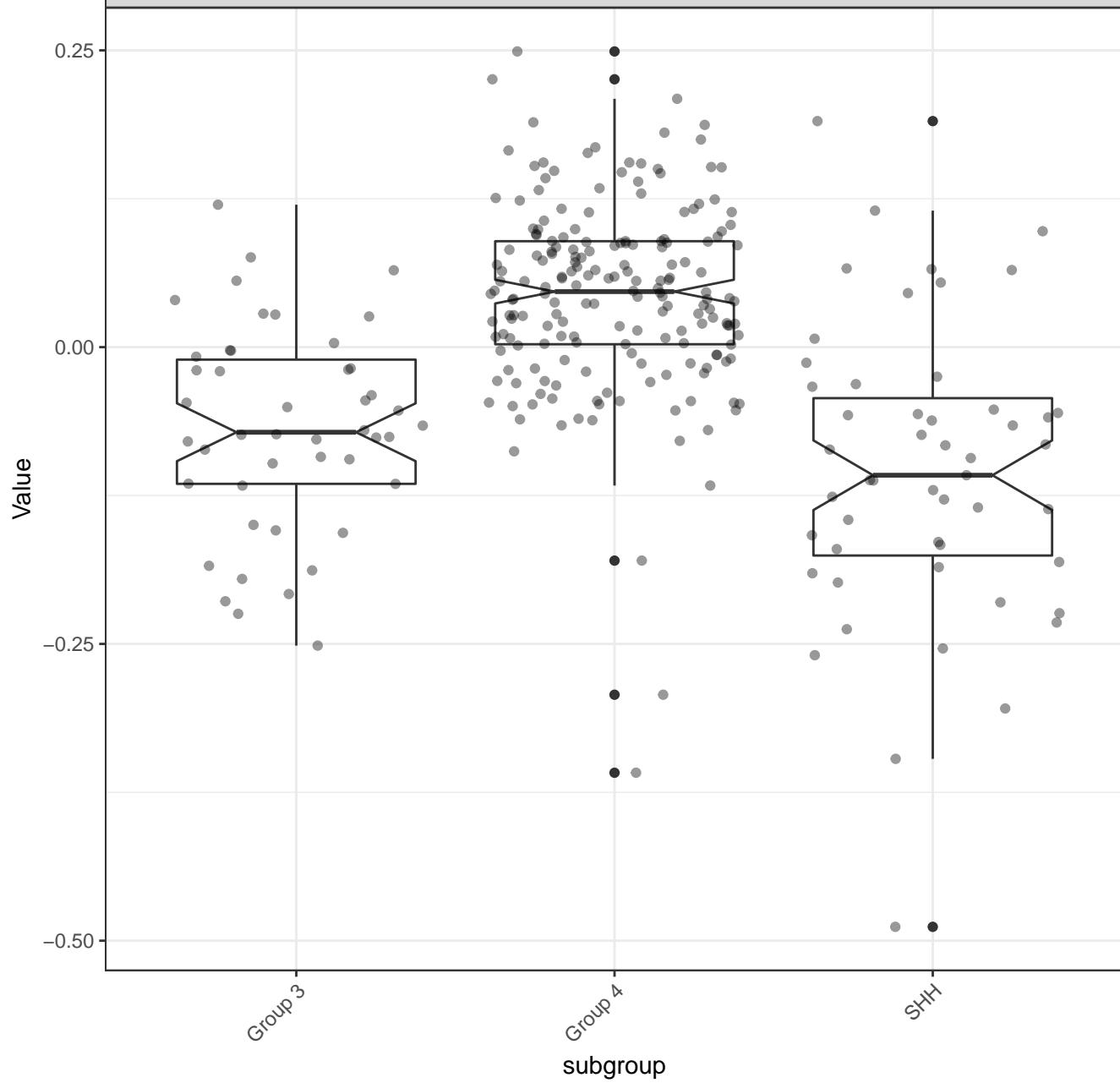
LV 956



LV 957



LV 958



LV 959

Vvalue

0.10

0.05

0.00

-0.05

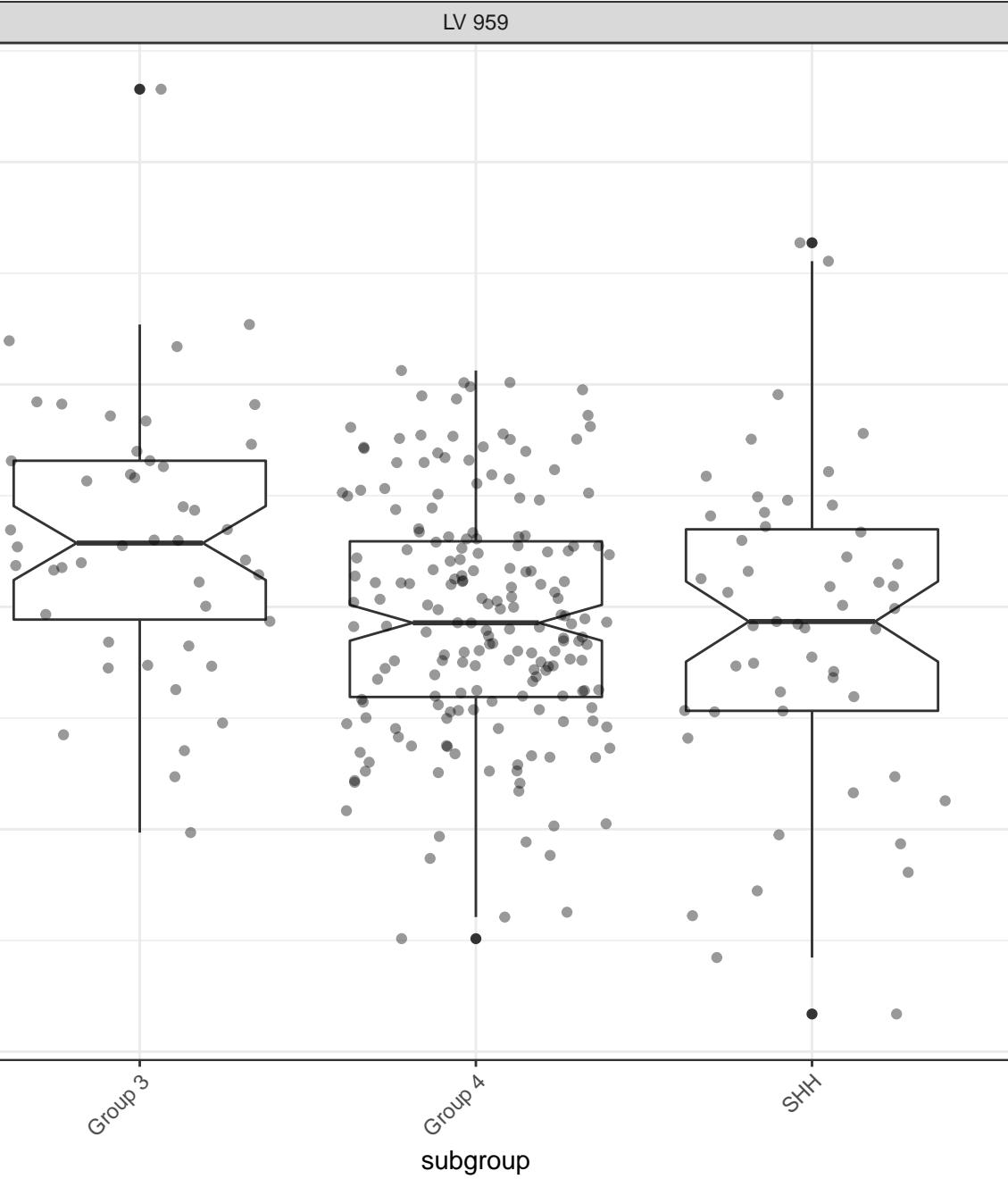
-0.10

Group 3

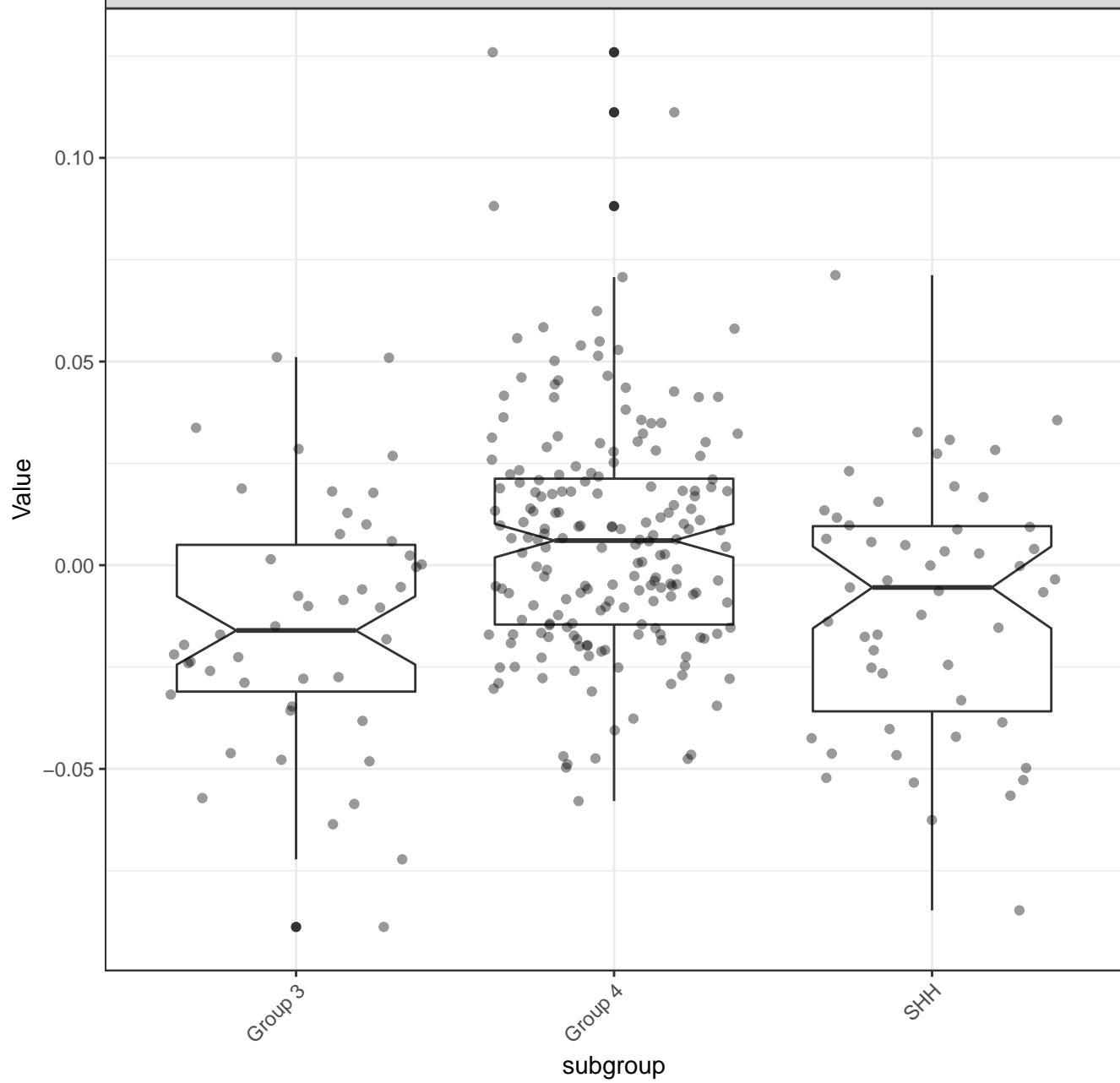
subgroup

Group 4

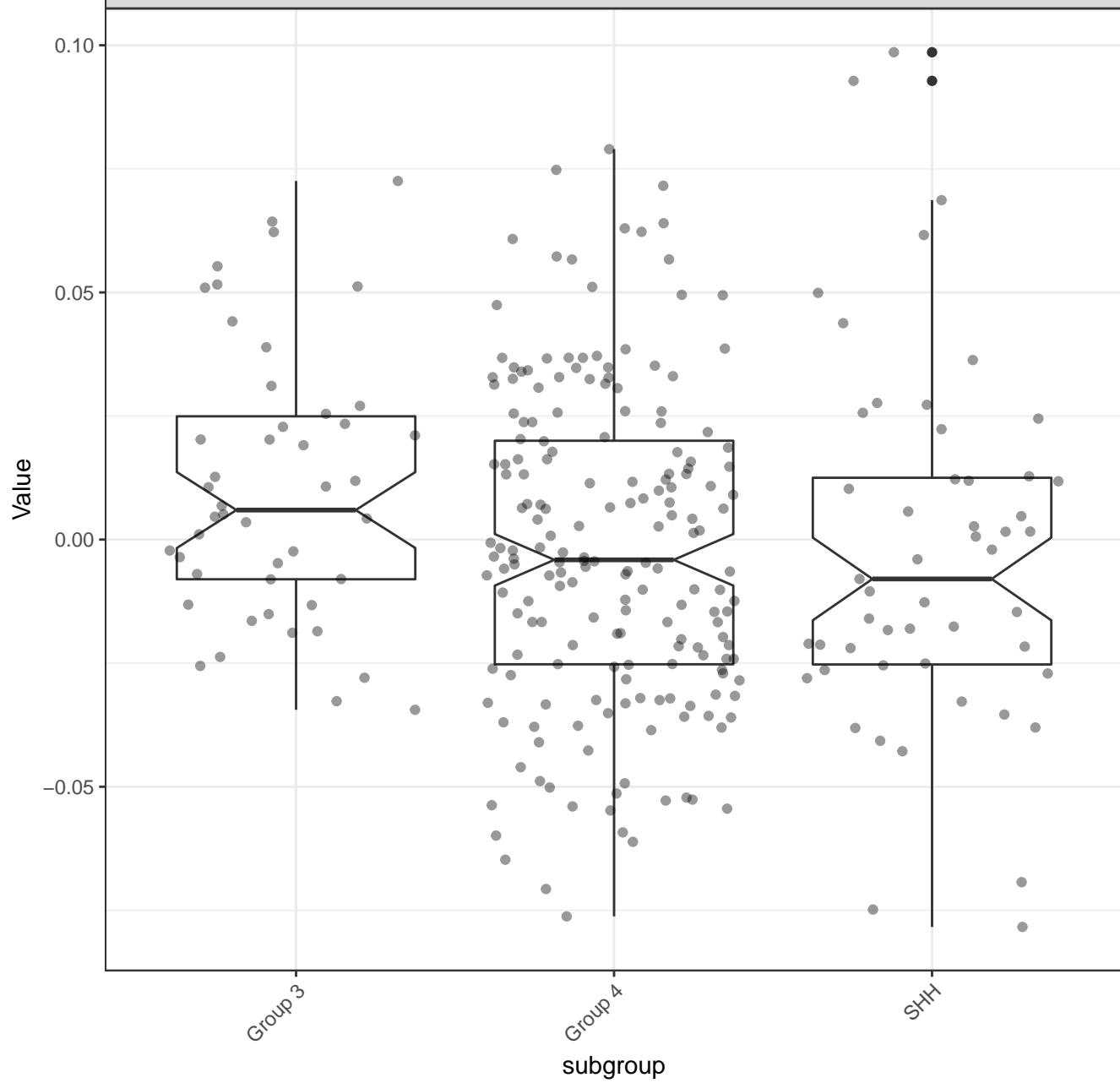
SHH



960, DMAP_MEGA1



LV 961



LV 962

Value

0.2

0.1

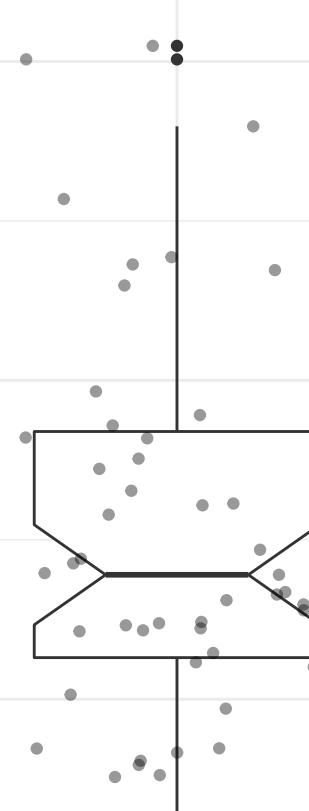
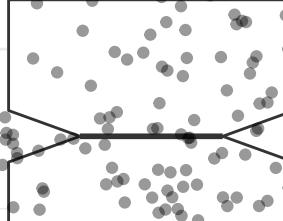
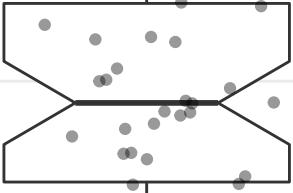
0.0

-0.1

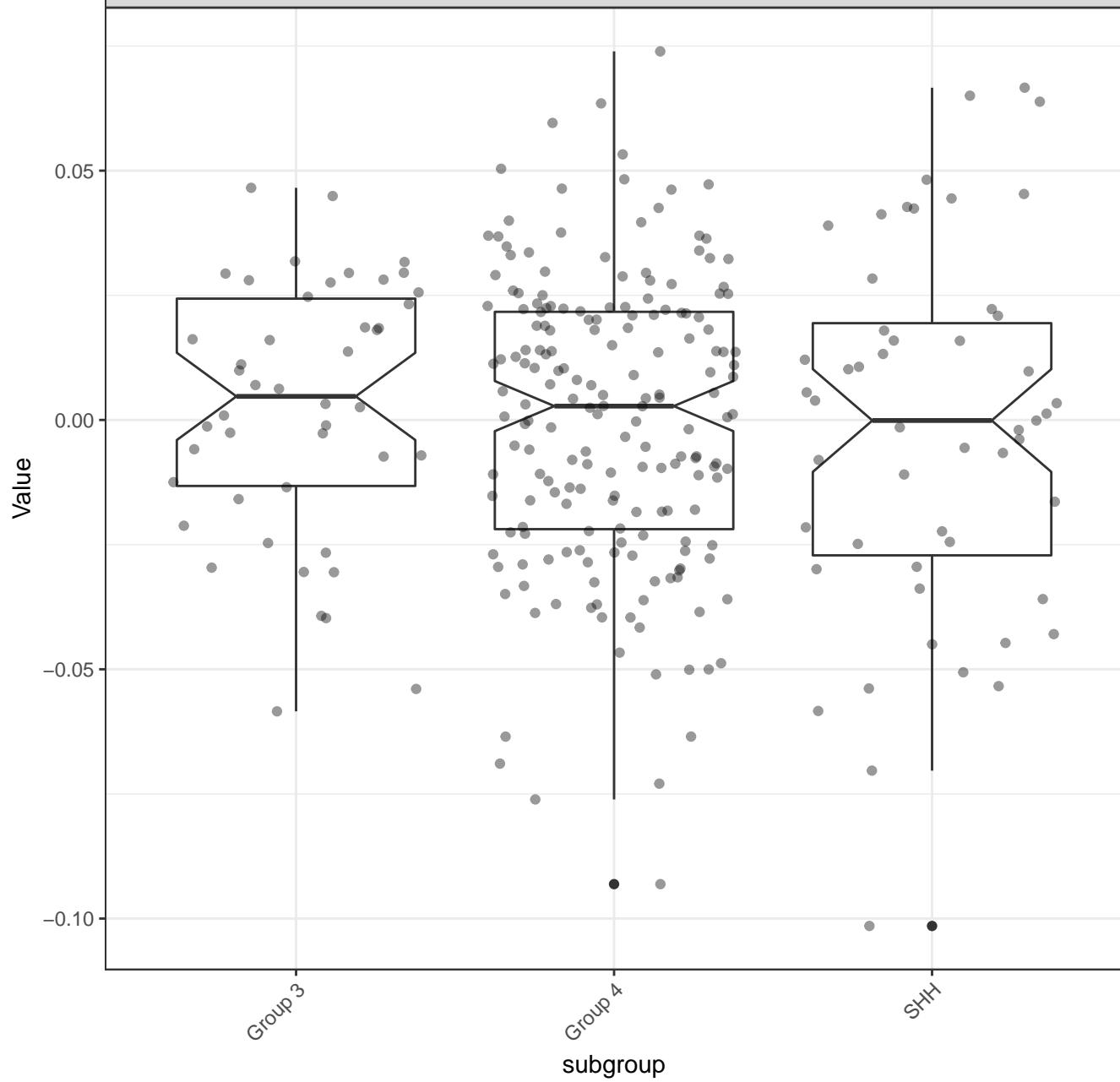
Group 3

subgroup

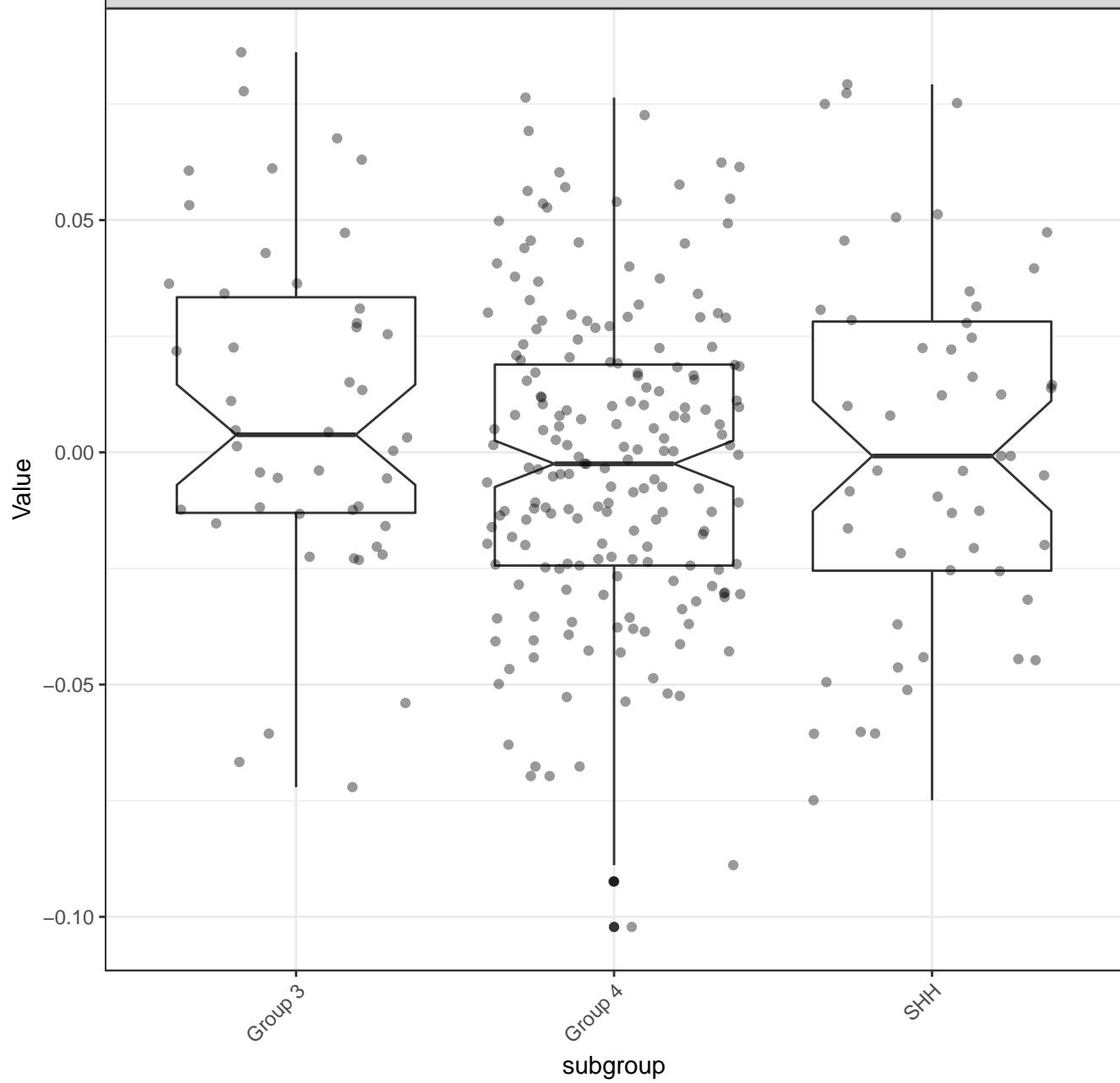
SHH



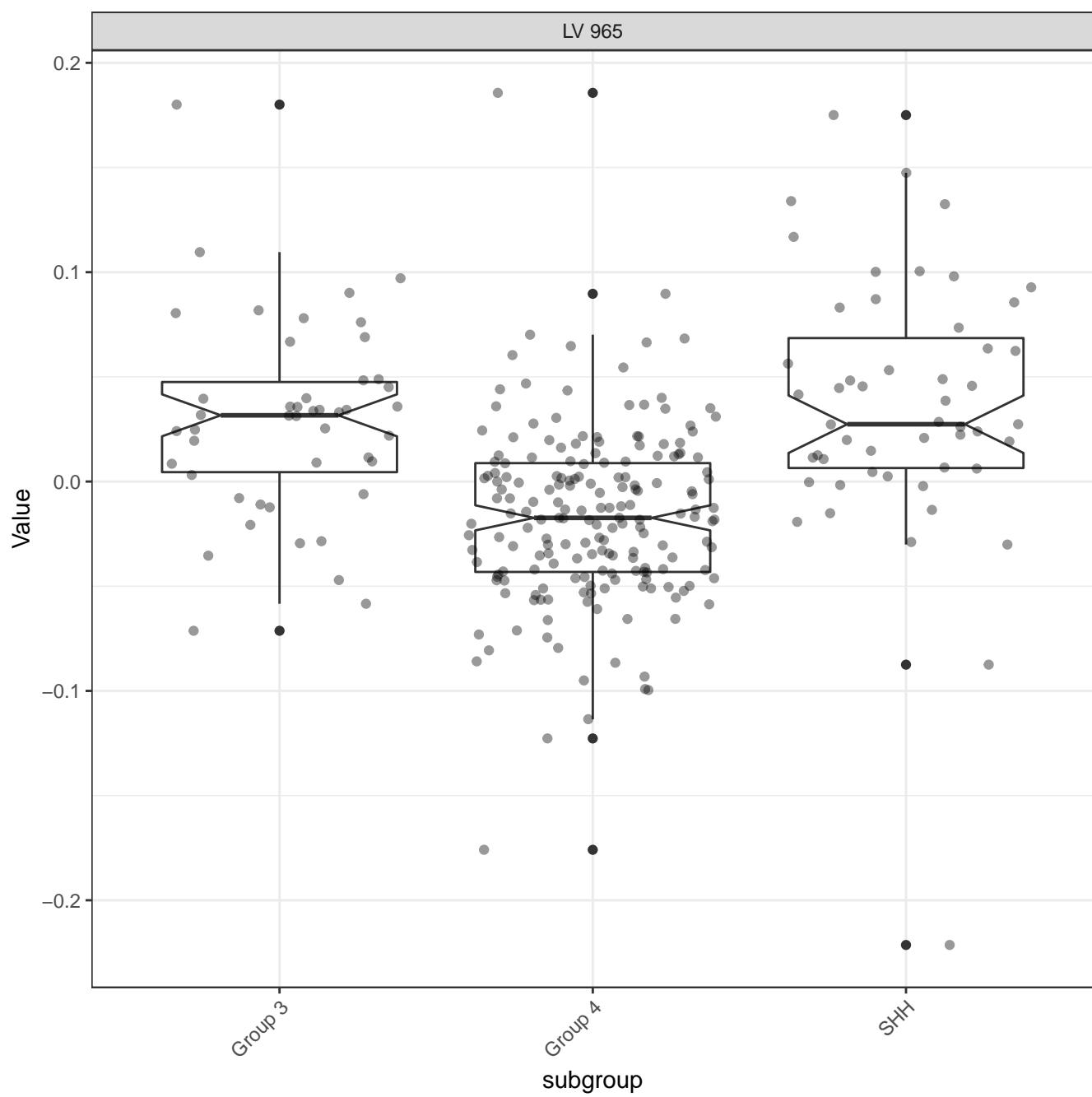
LV 963



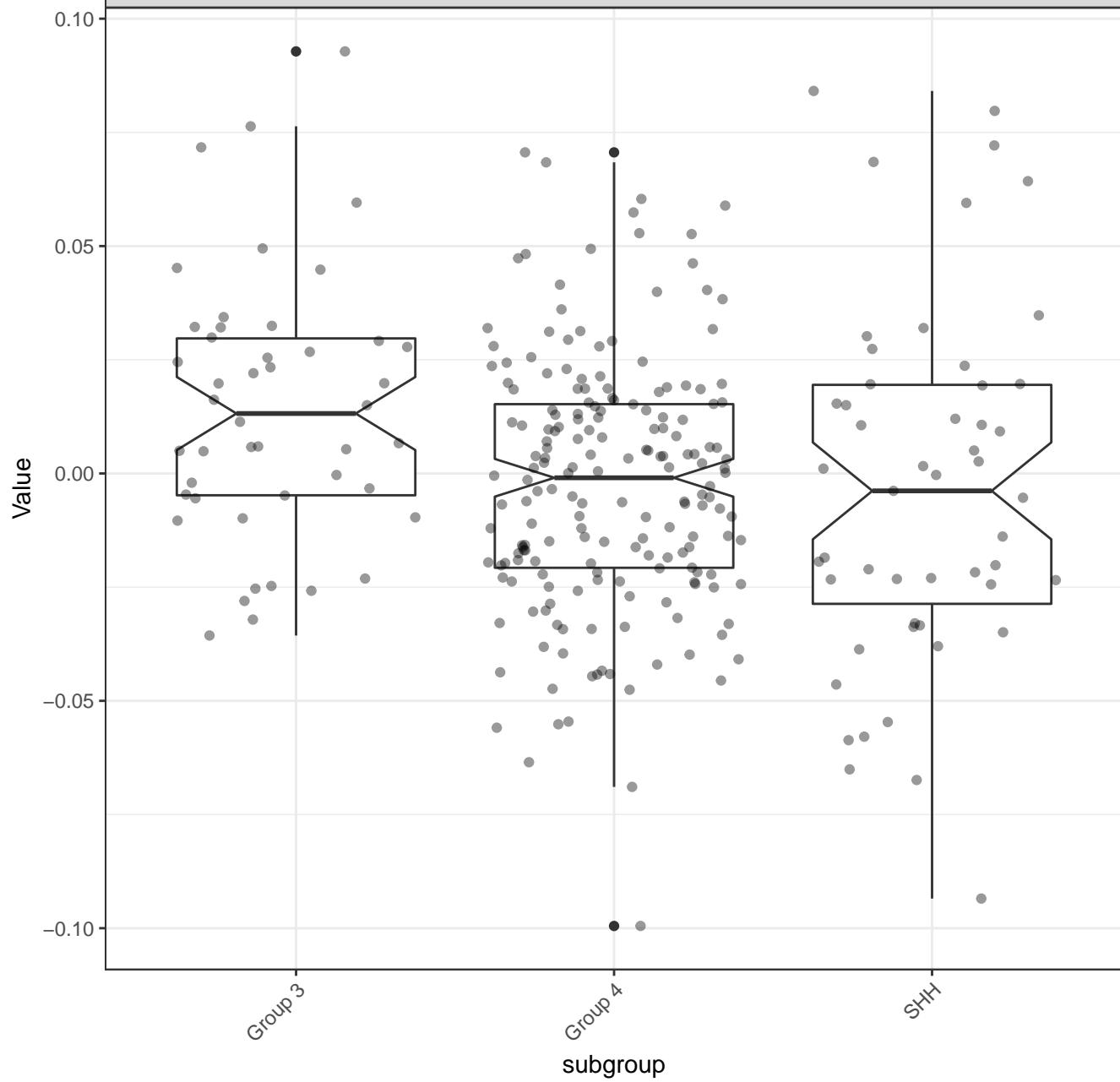
964,SVM T cells CD8



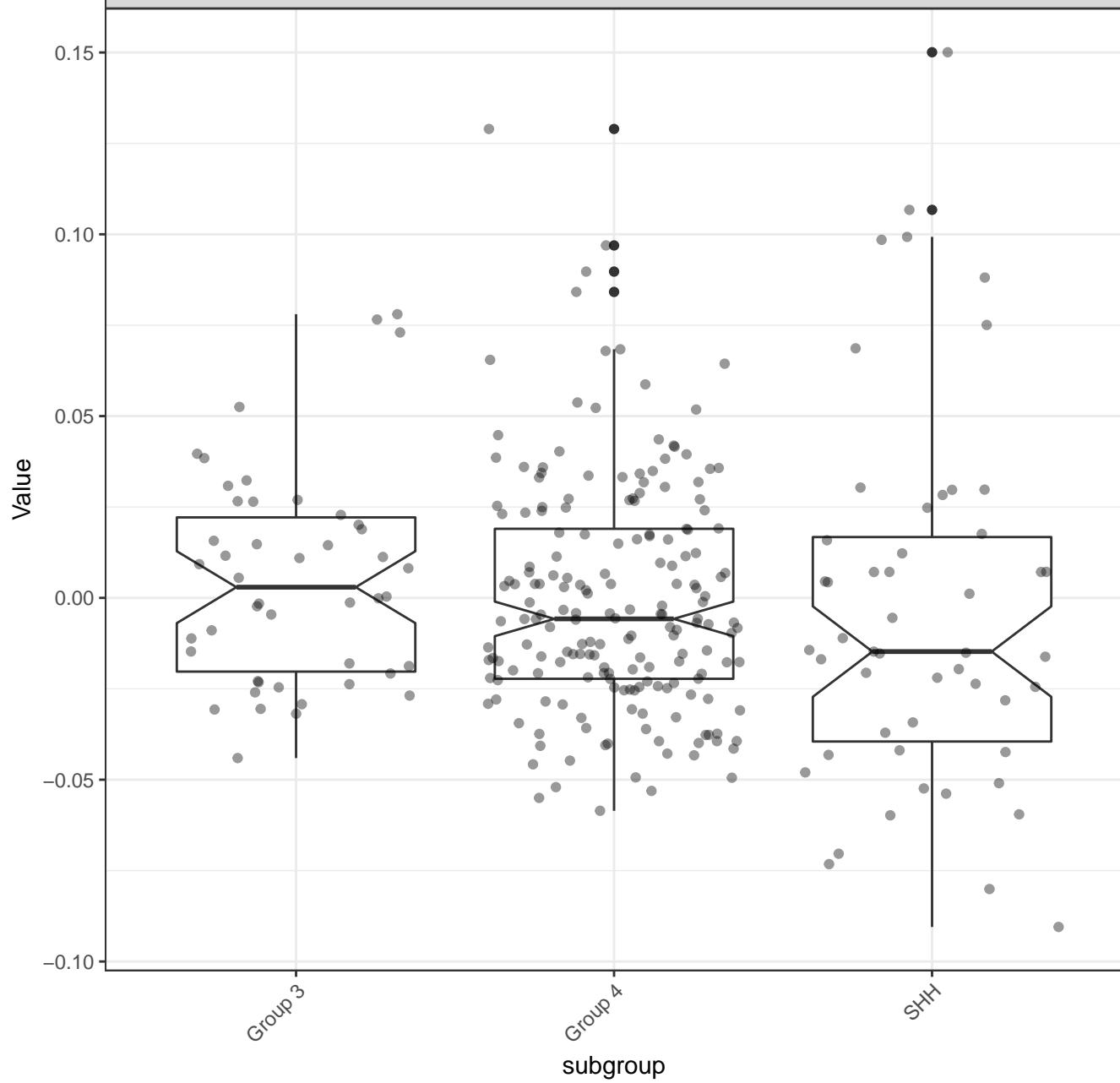
LV 965



LV 966



LV 967



LV 968

Value

0.05

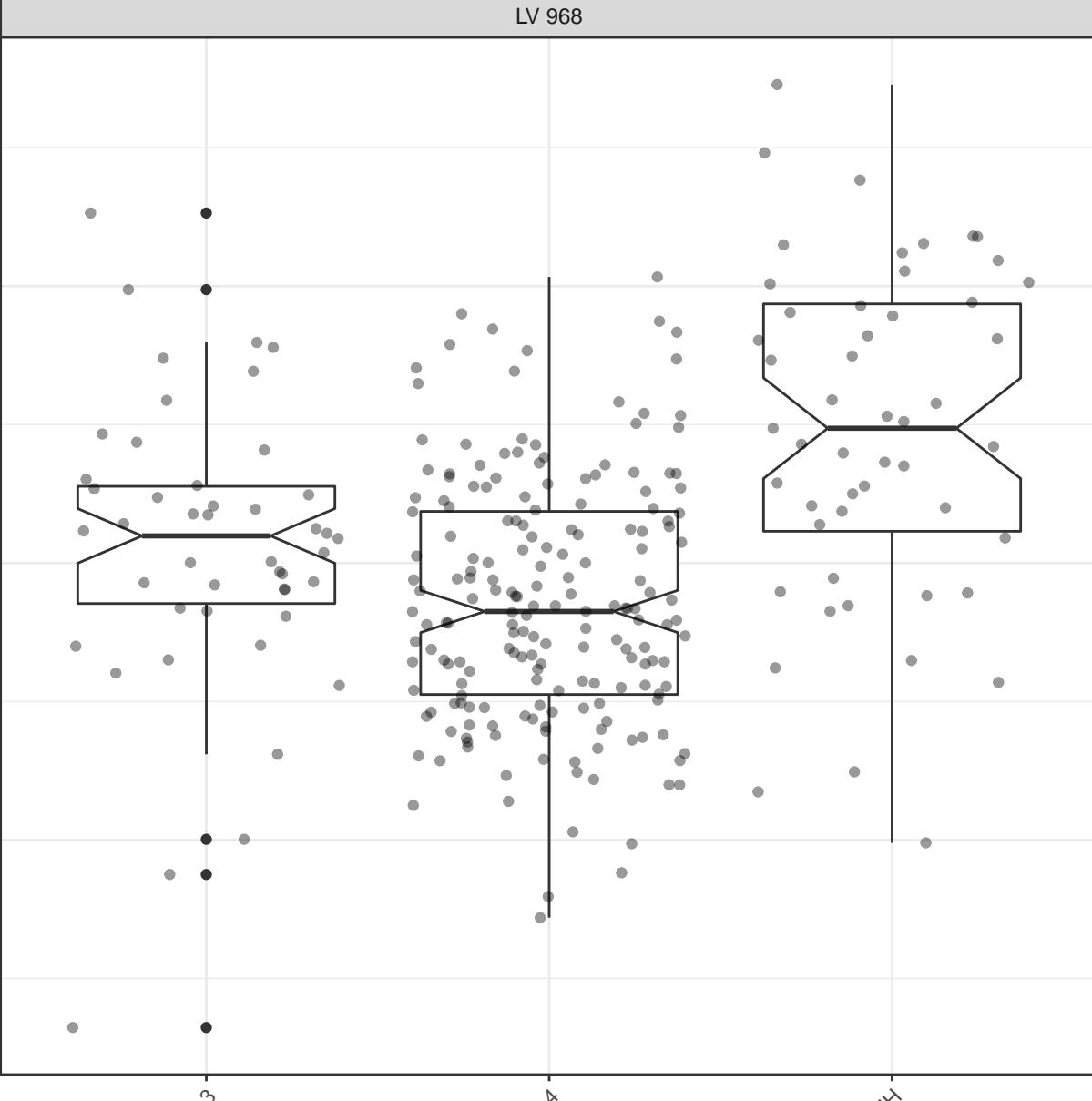
0.00

-0.05

Group 3

subgroup

SHH



LV 969

Value

0.10

0.05

0.00

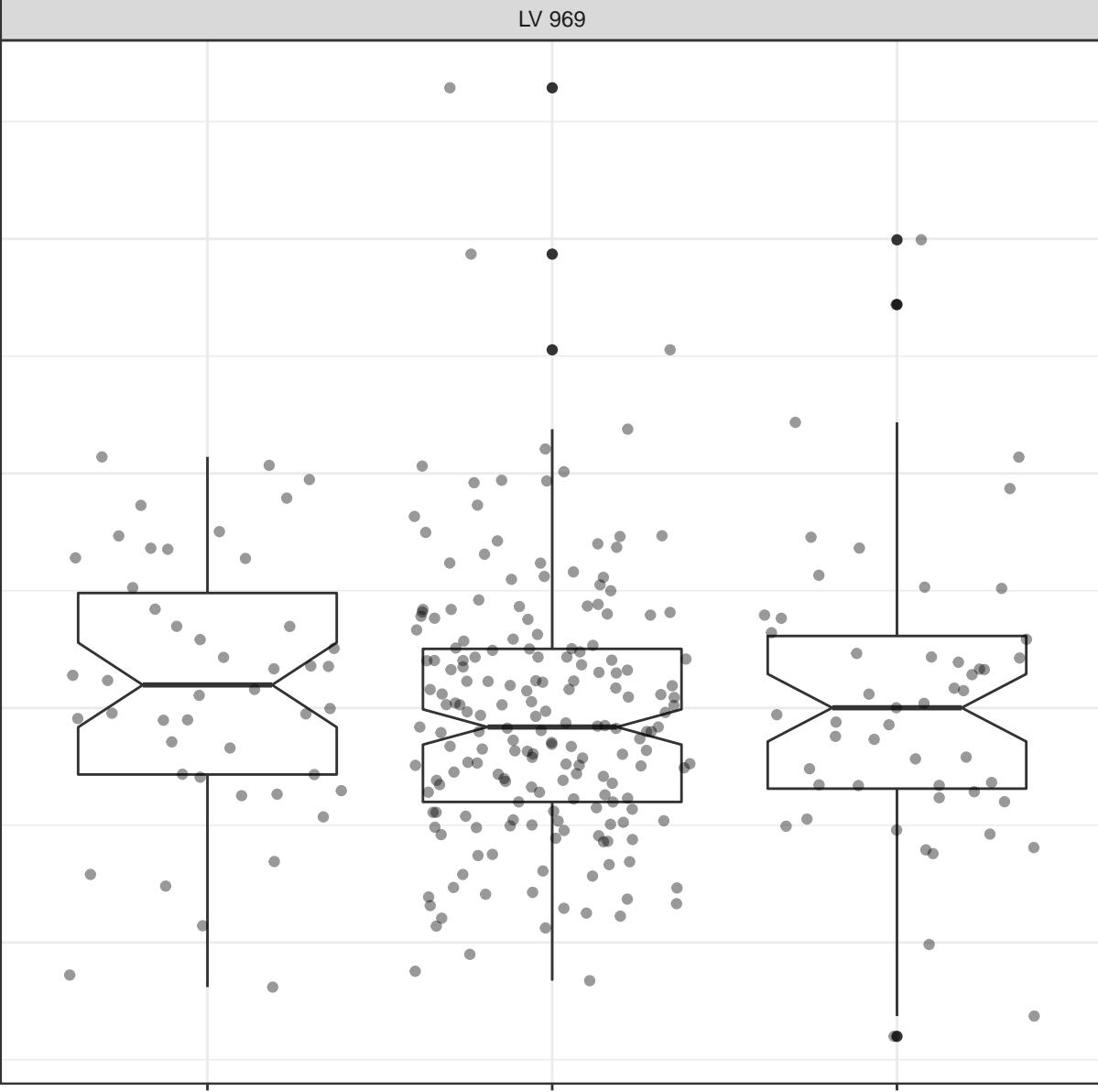
-0.05

Group 3

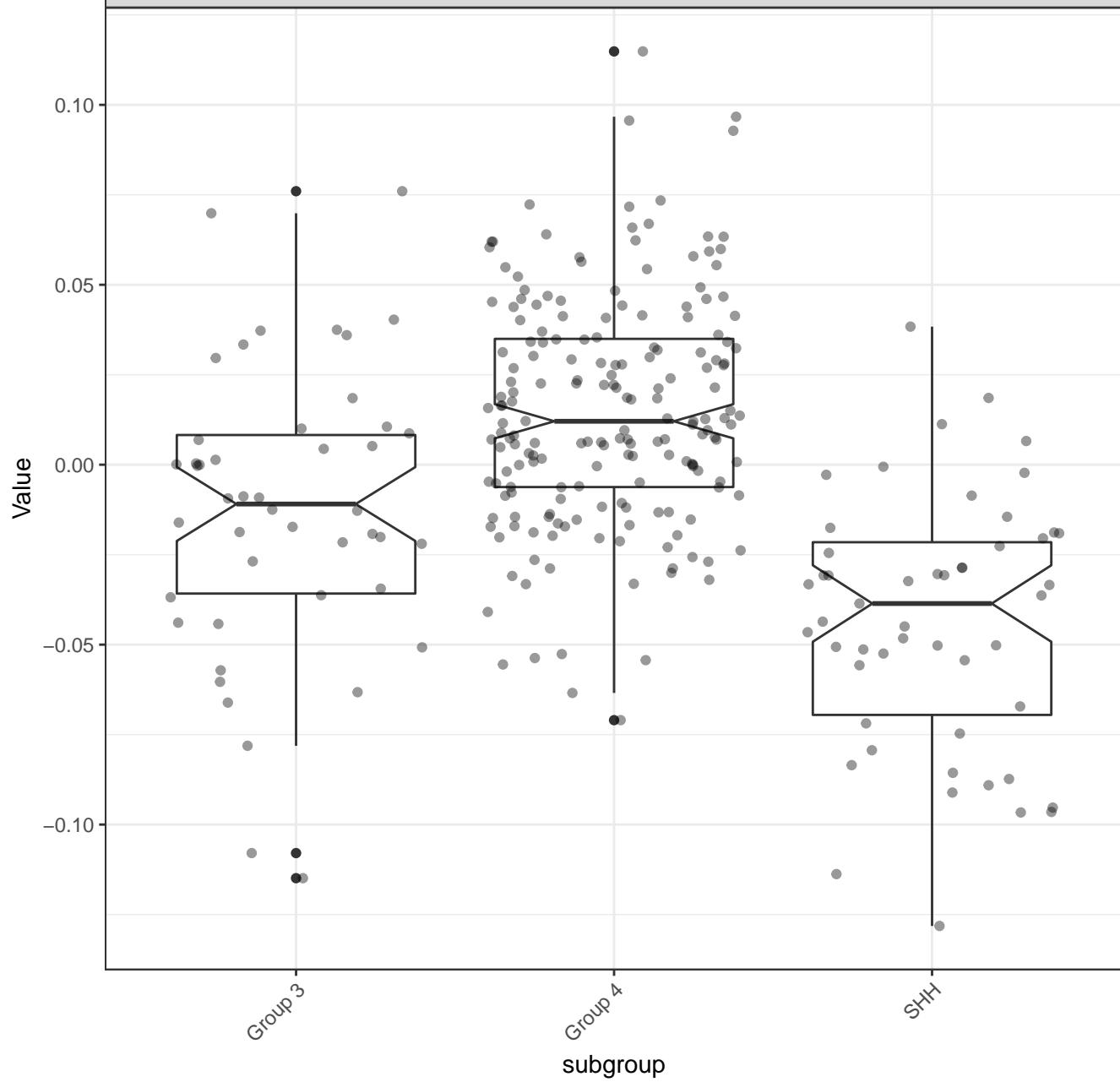
subgroup

Group 4

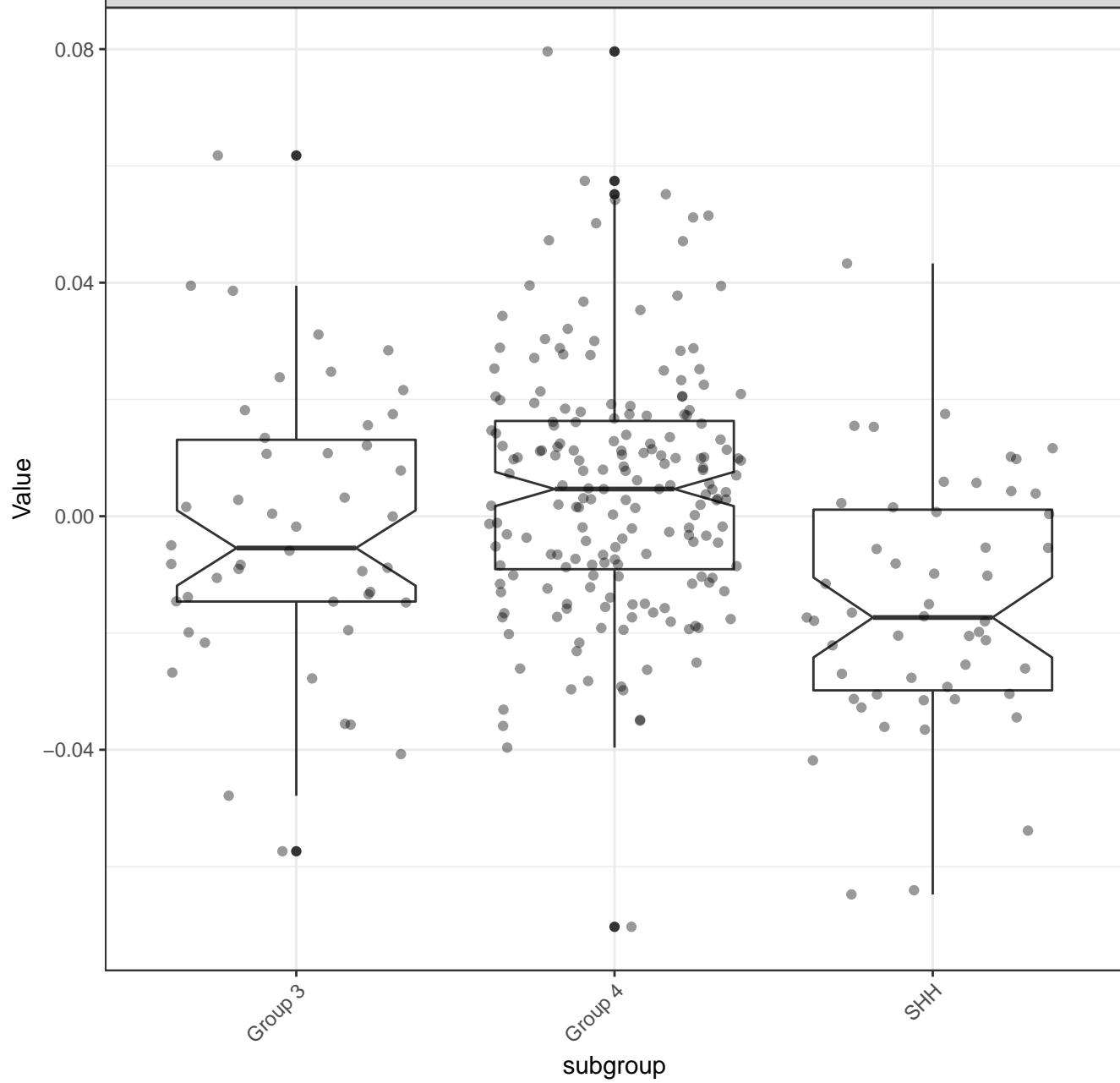
SHH



LV 970



LV 971



LV 972

Value

0.10

0.05

0.00

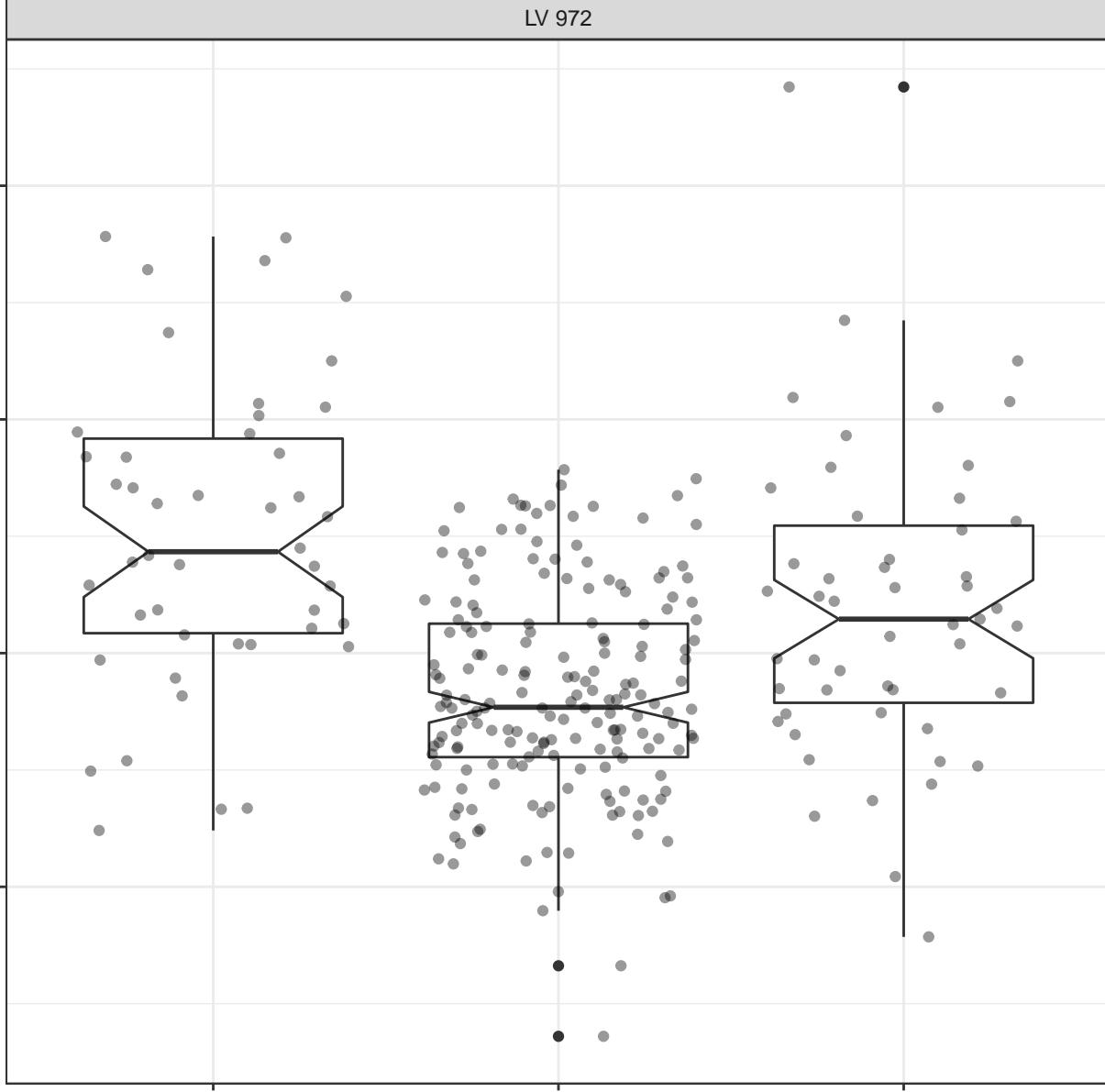
-0.05

Group 3

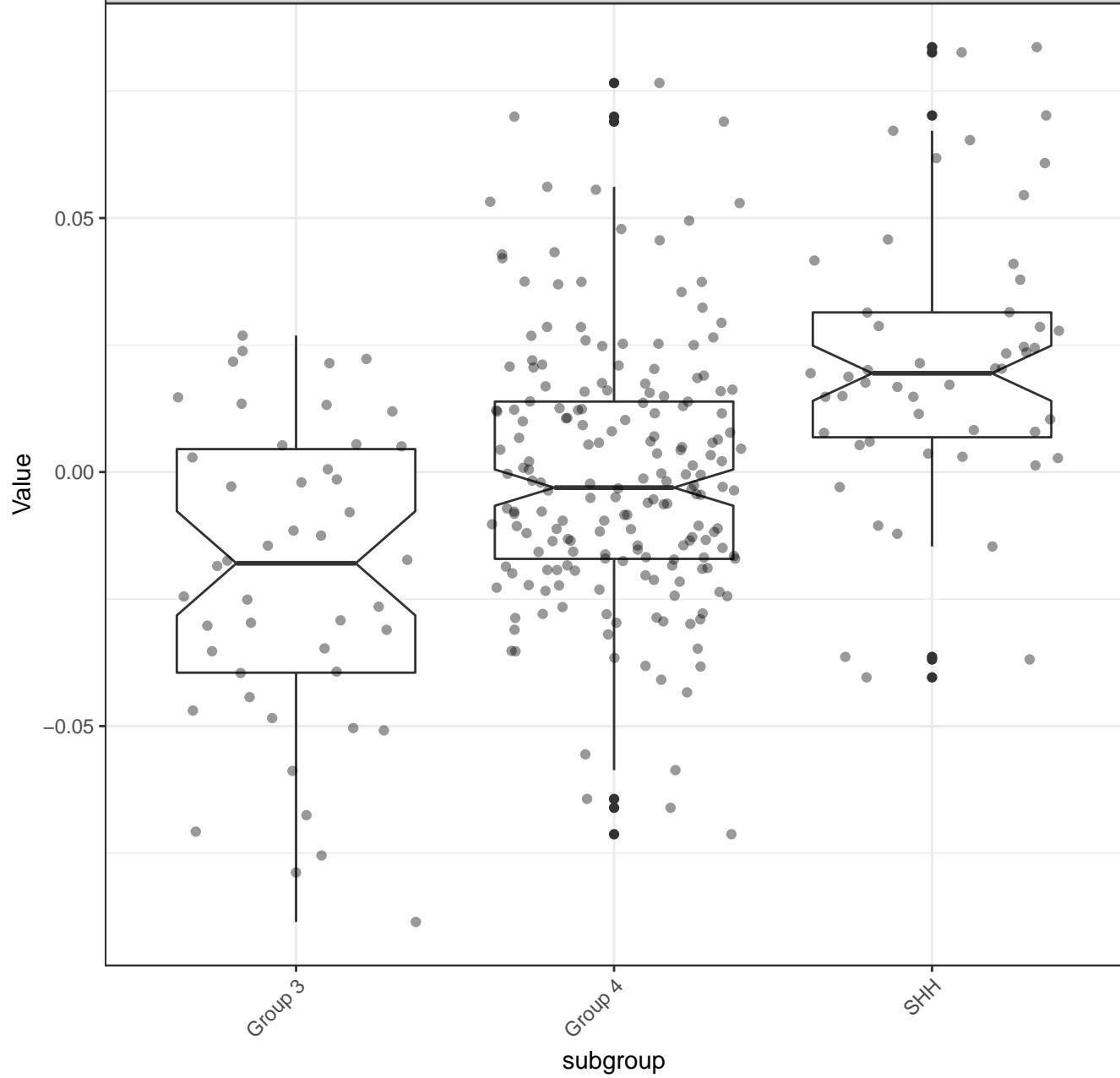
subgroup

Group 4

SHH



LV 973



LV 974

Value

0.2

0.1

0.0

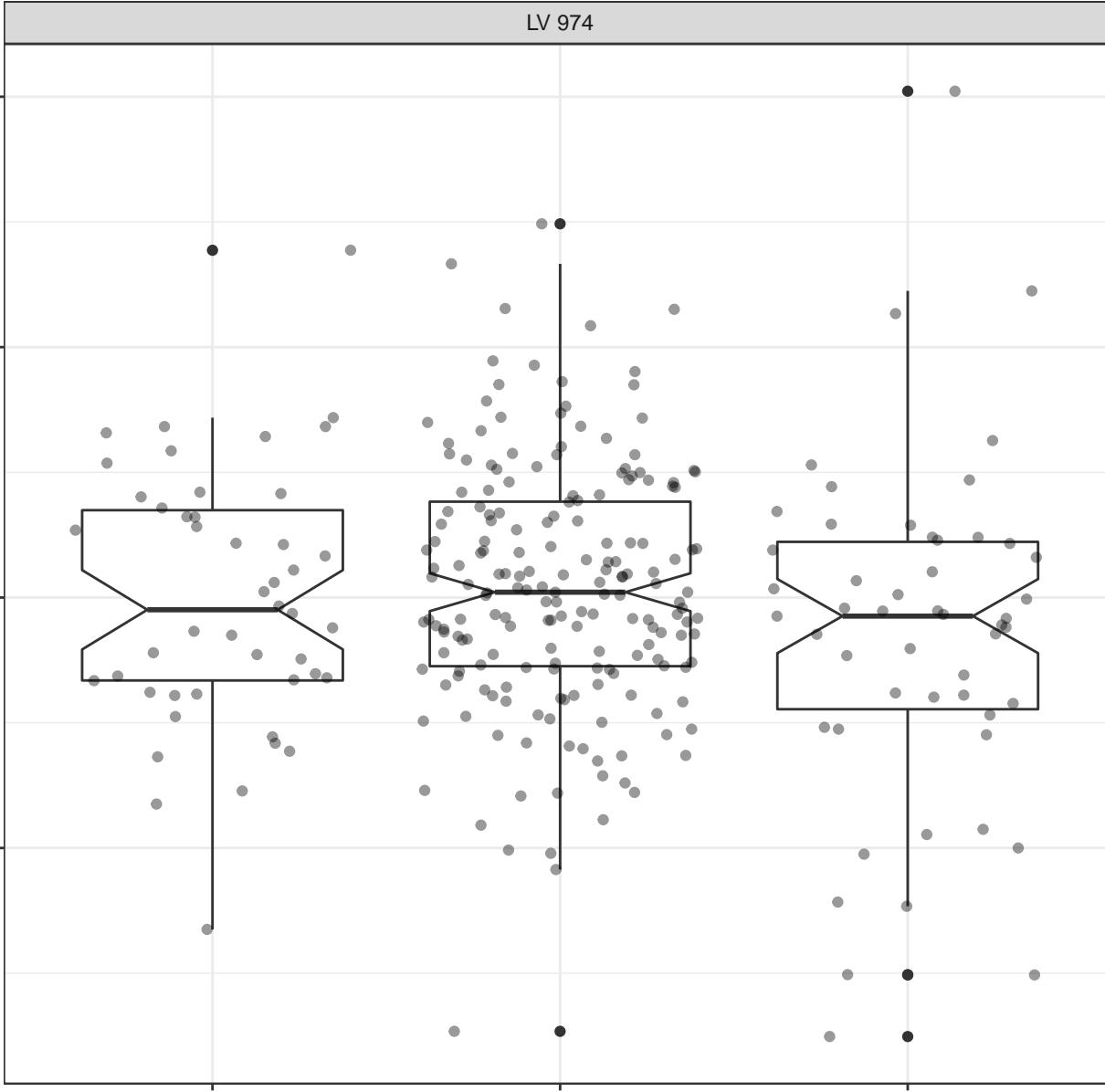
-0.1

Group 3

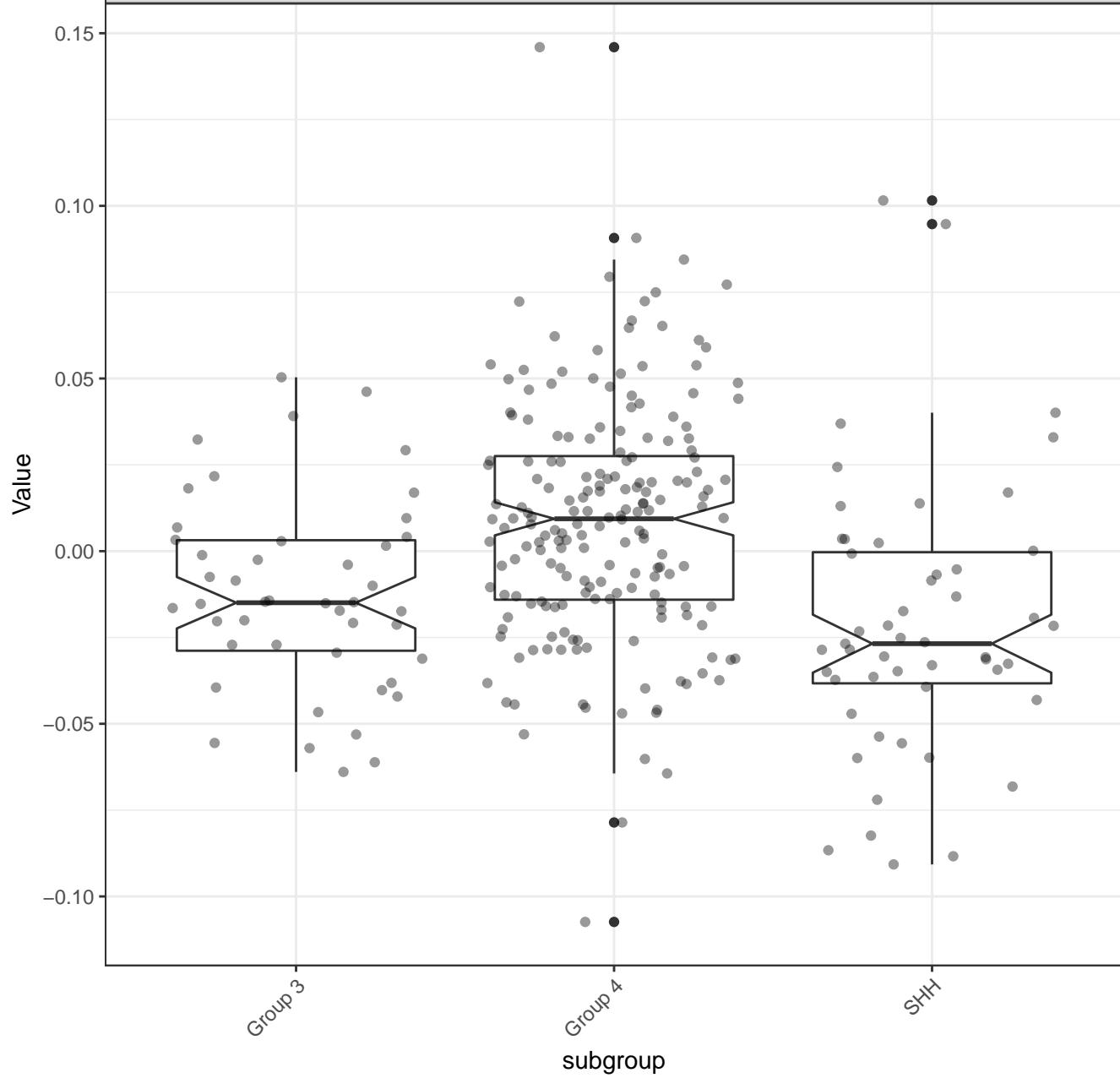
Group 4

SHH

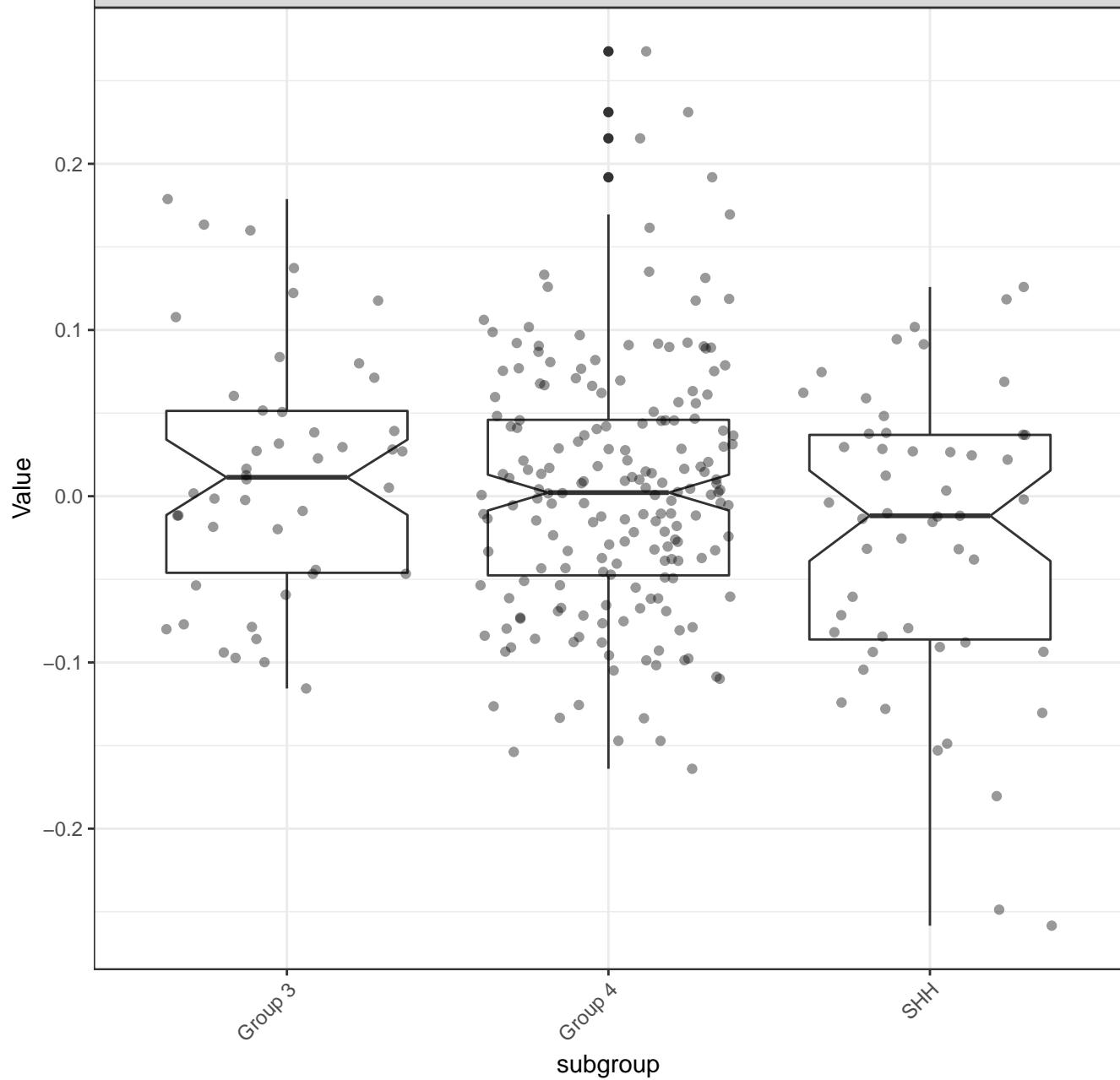
subgroup



975,SVM T cells CD4 memory resting



LV 976



977,SVM B cells naive

Value

0.3

0.2

0.1

0.0

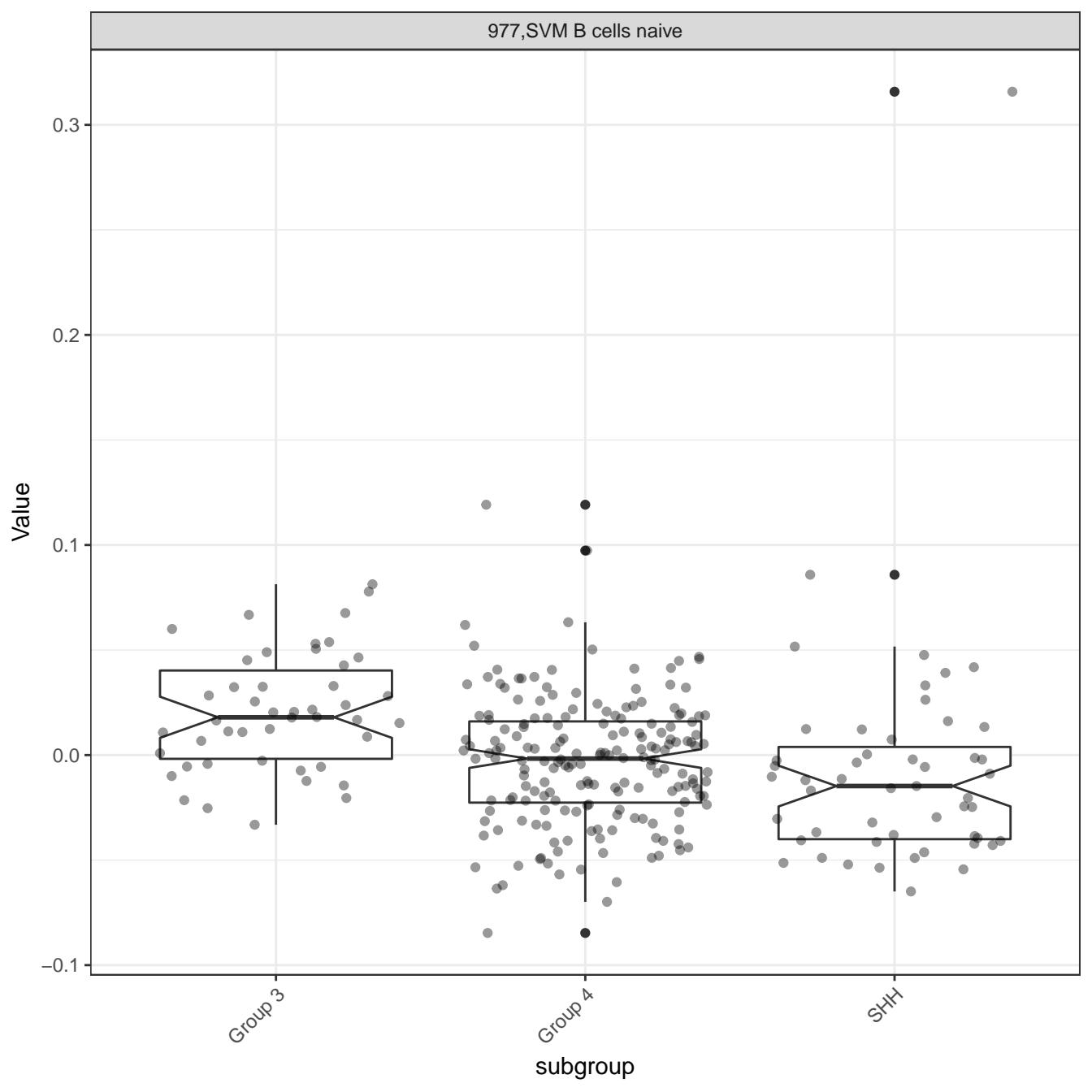
-0.1

Group 3

subgroup

SHH

Group 4



LV 978

Value

0.05

0.00

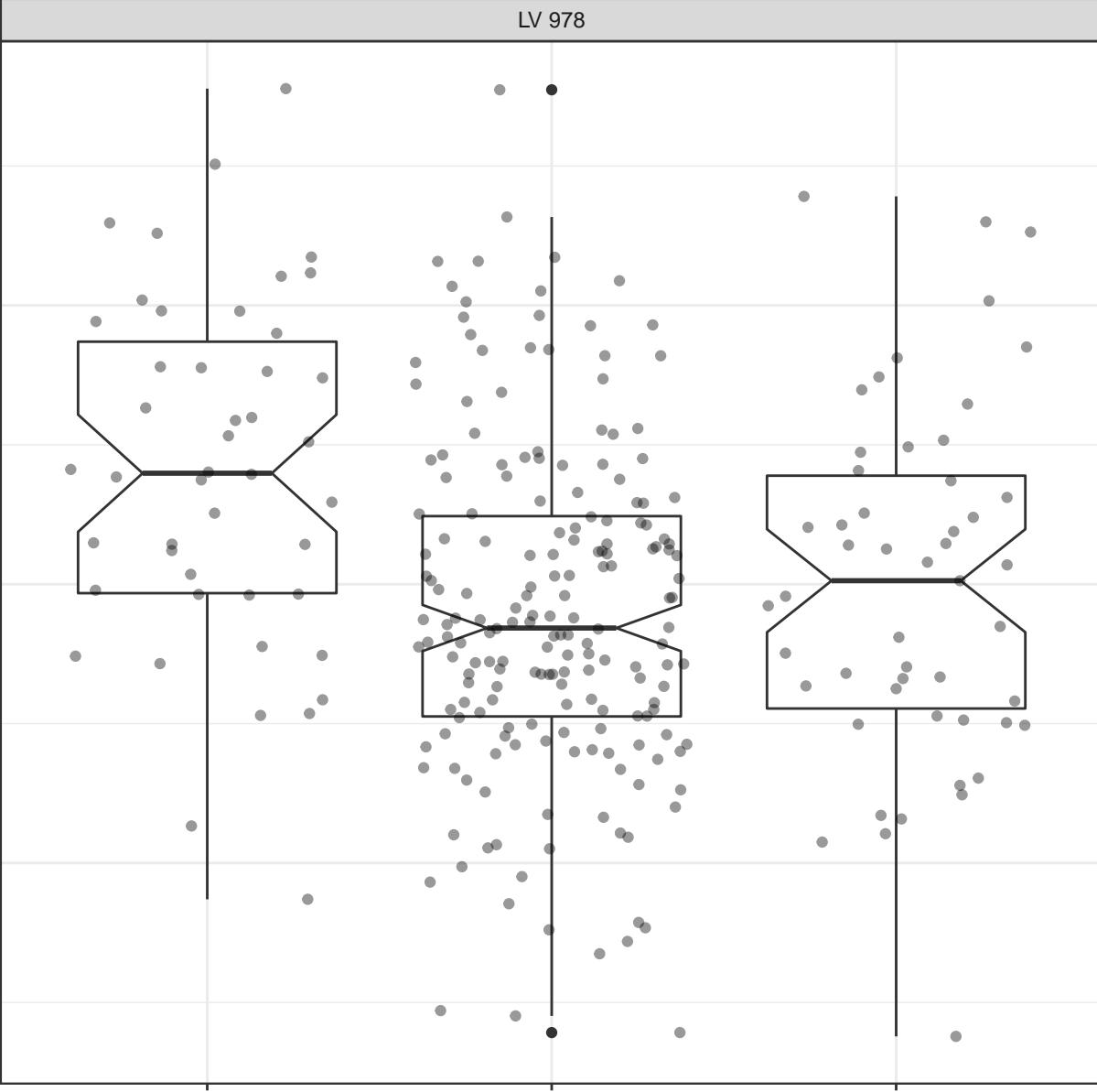
-0.05

Group 3

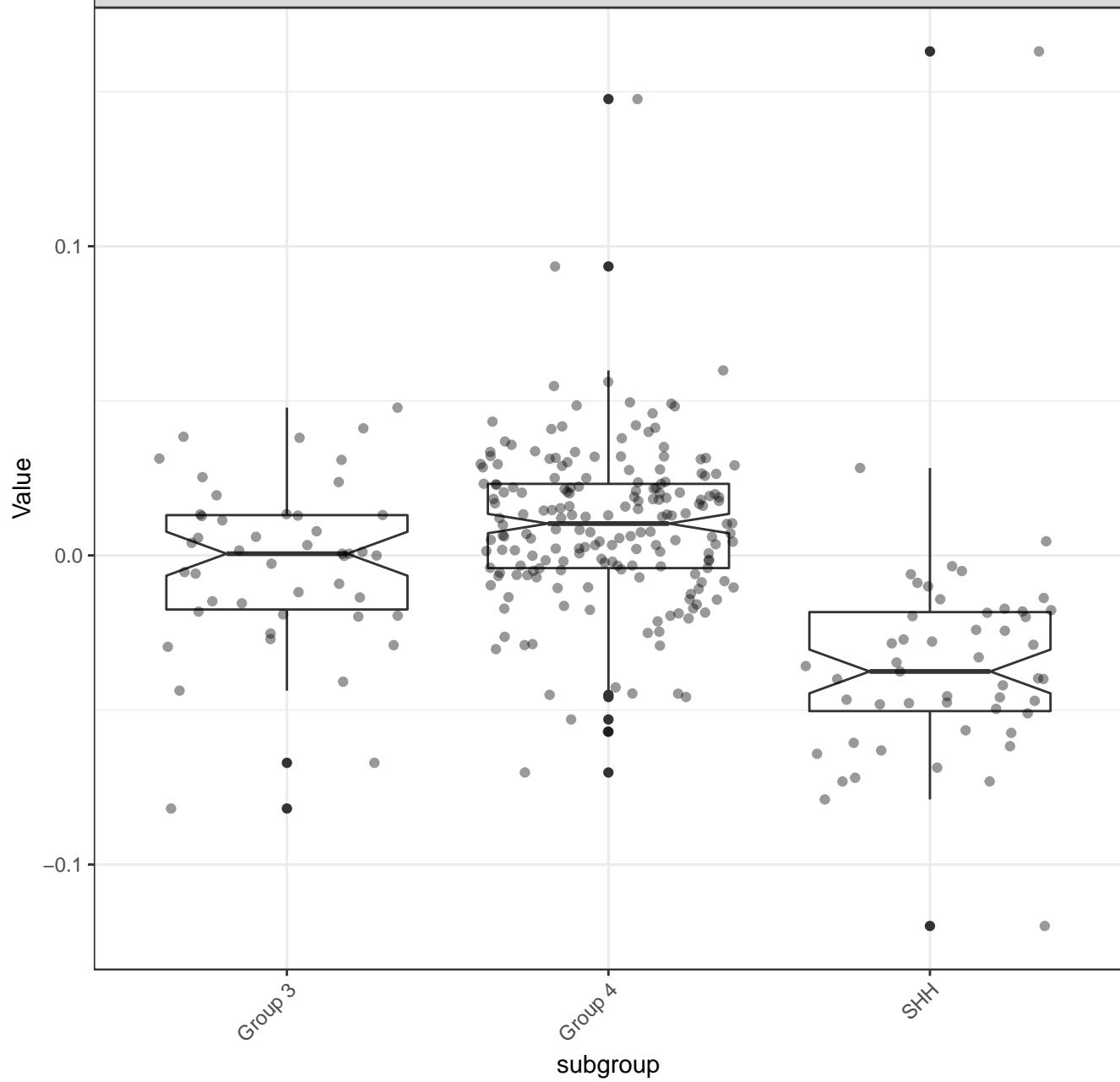
subgroup

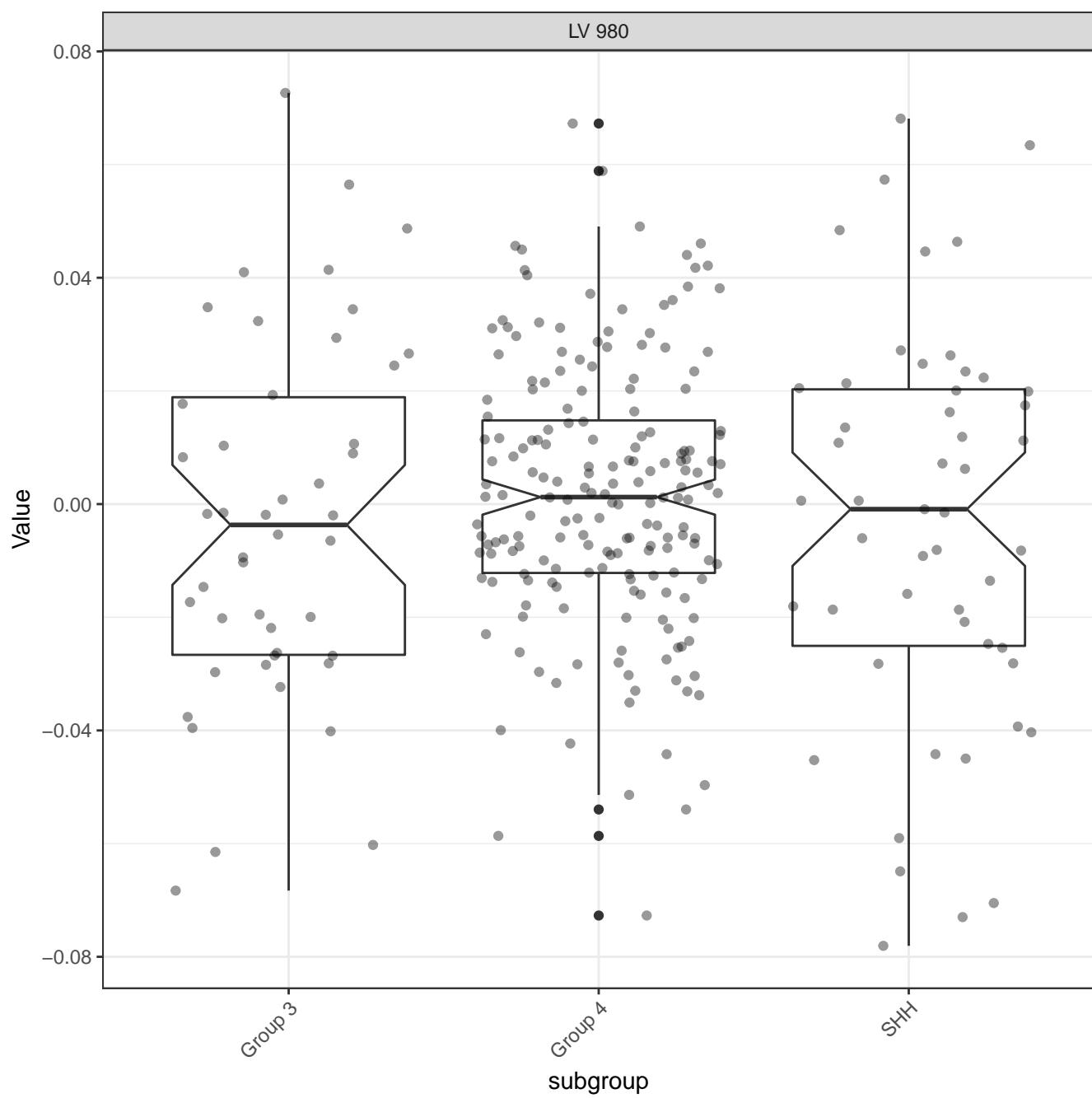
Group 4

SHH

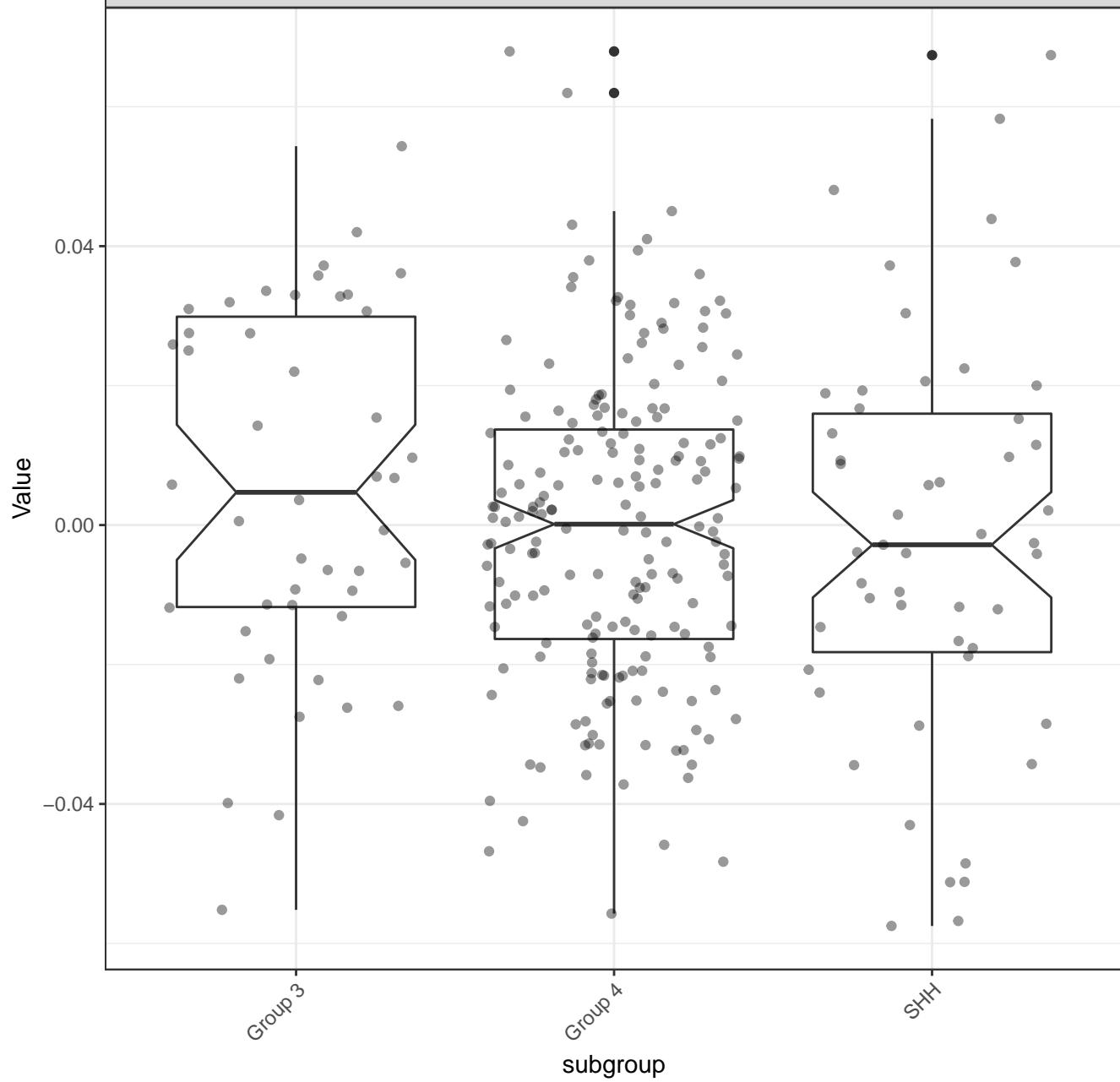


LV 979

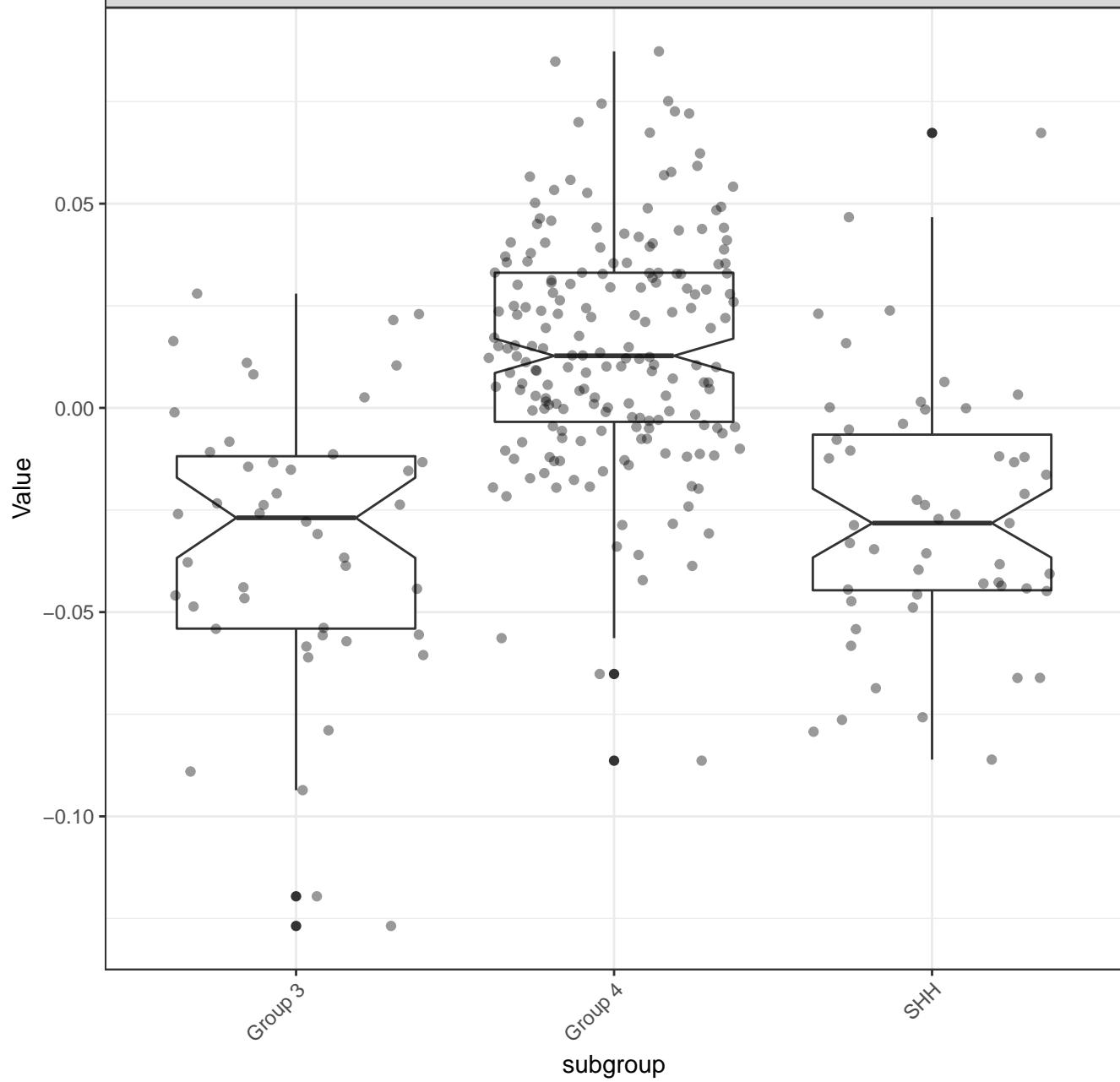




LV 981



LV 982



LV 983

Value

0.05

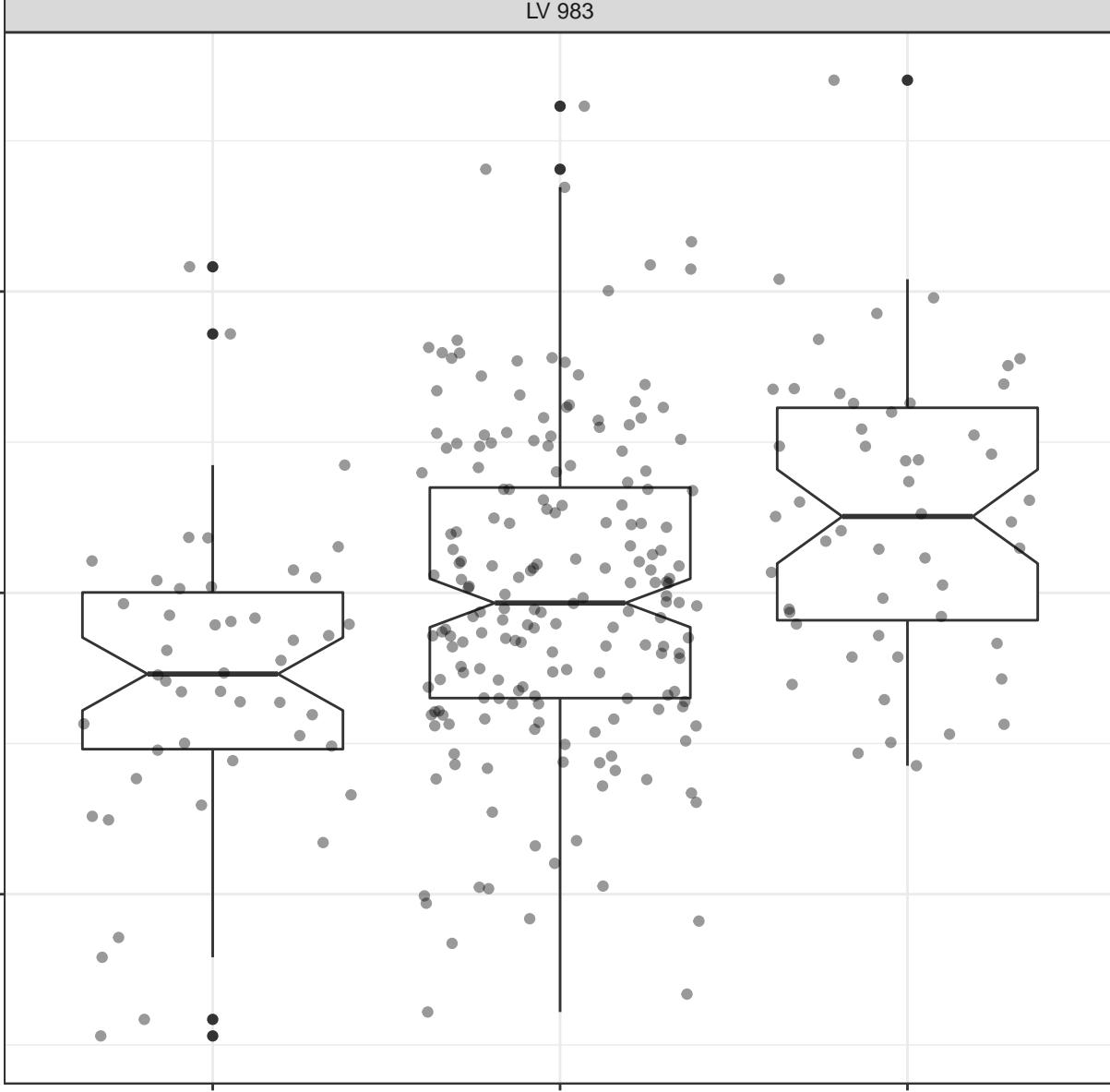
0.01

-0.05

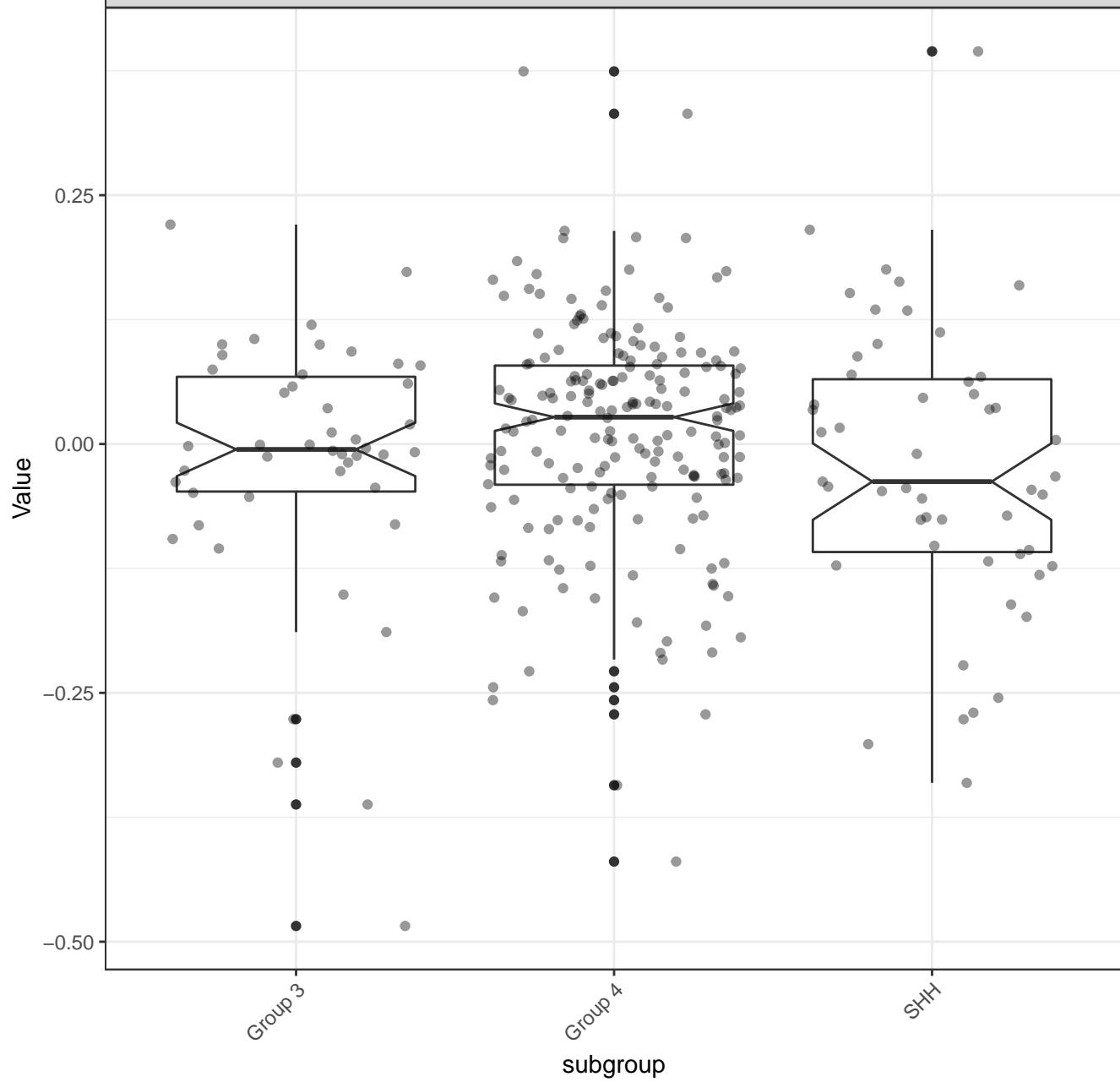
Group 3

subgroup

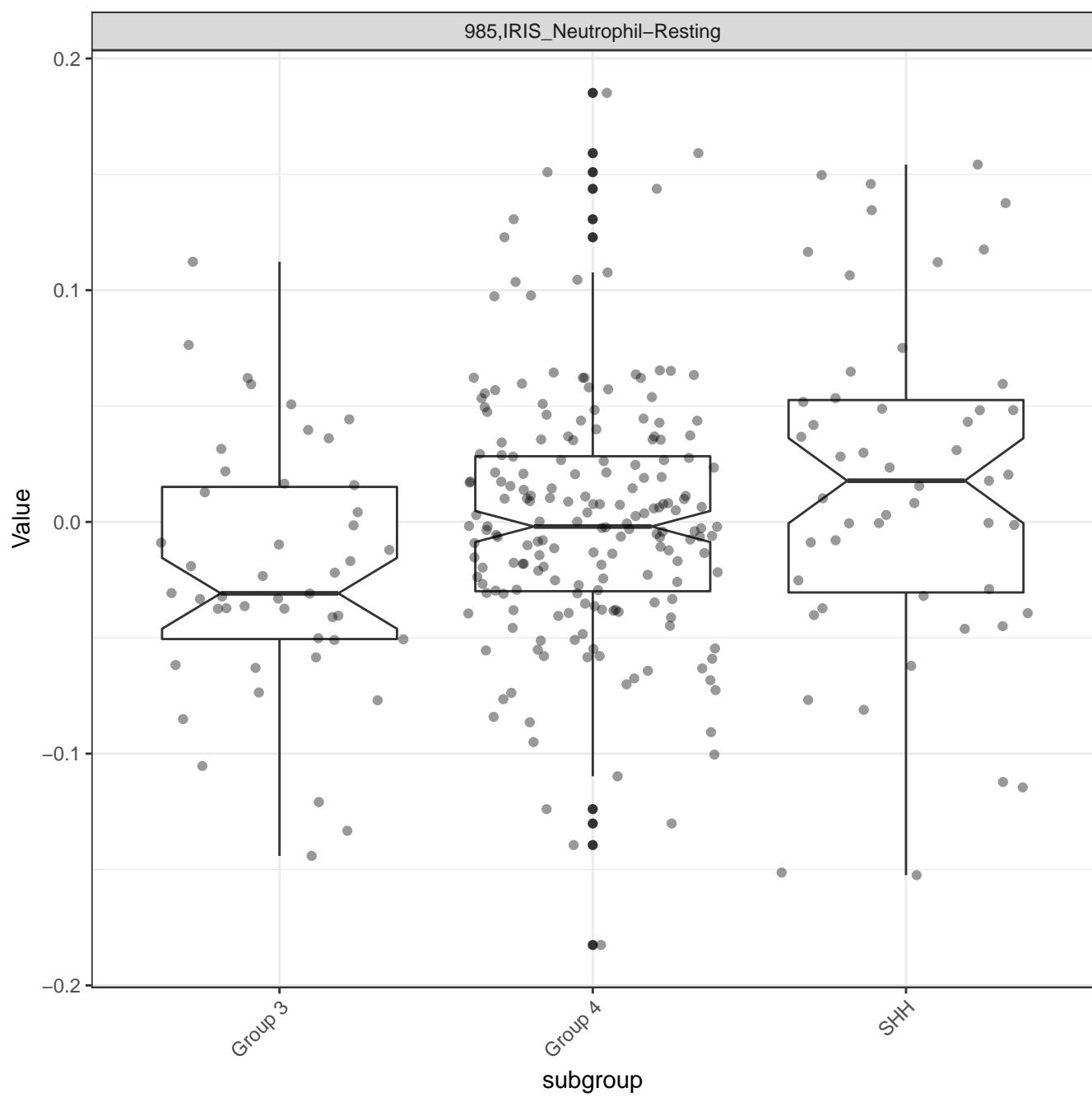
SHH



LV 984



985,IRIS_Neutrophil–Resting



LV 986

Value

0.2

0.1

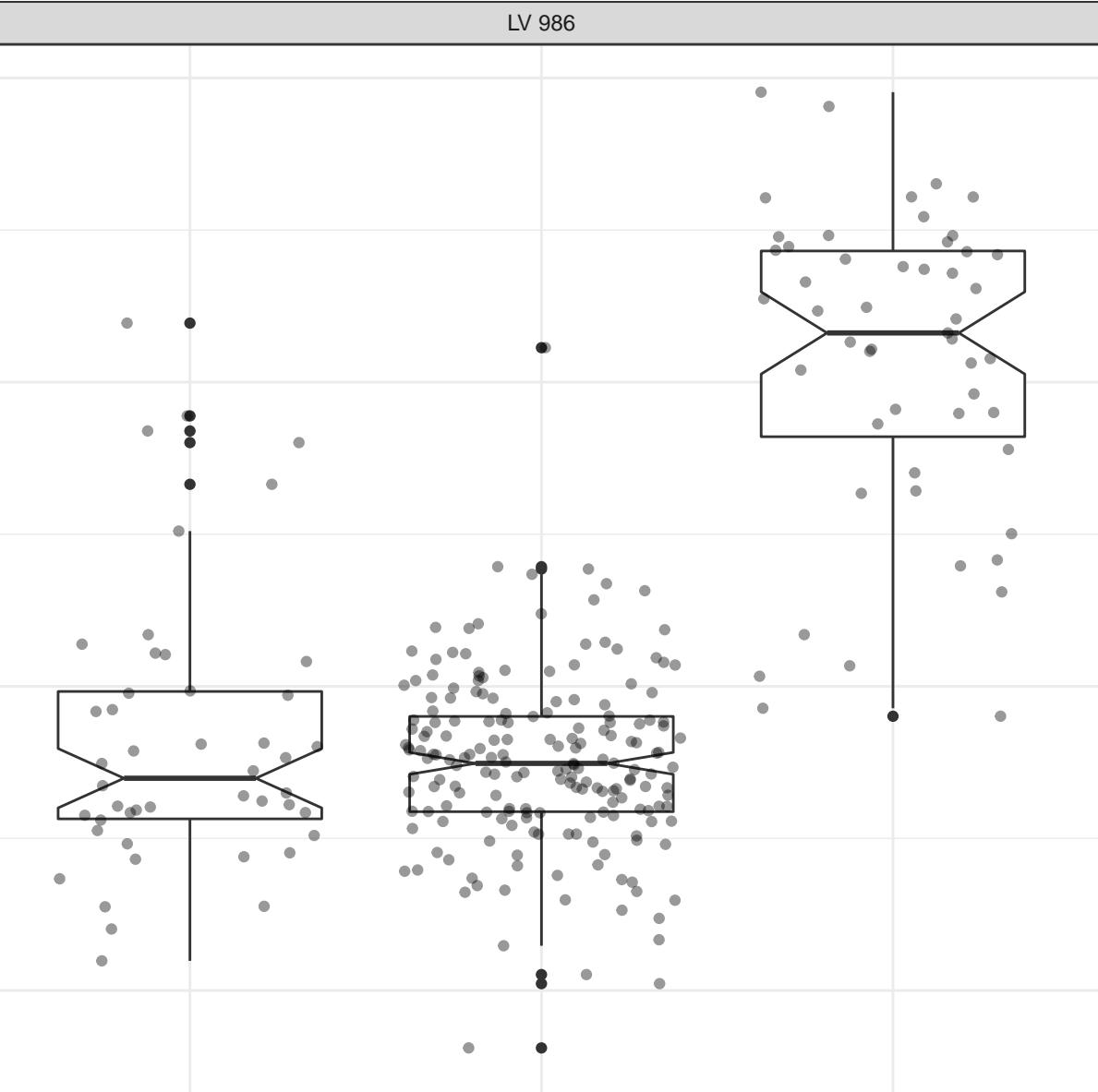
0.0

-0.1

Group 3

subgroup

SHH



LV 987

Value

