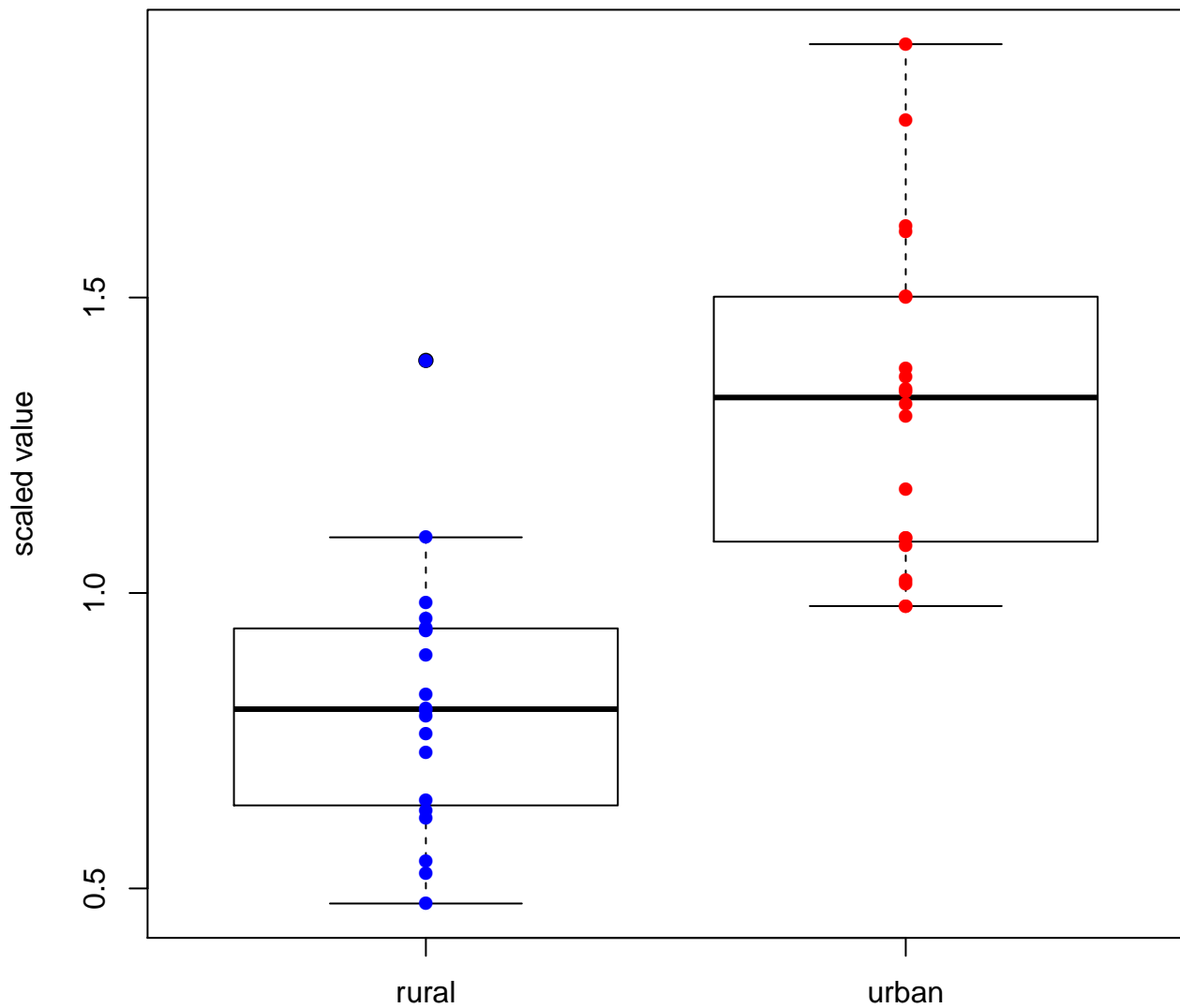
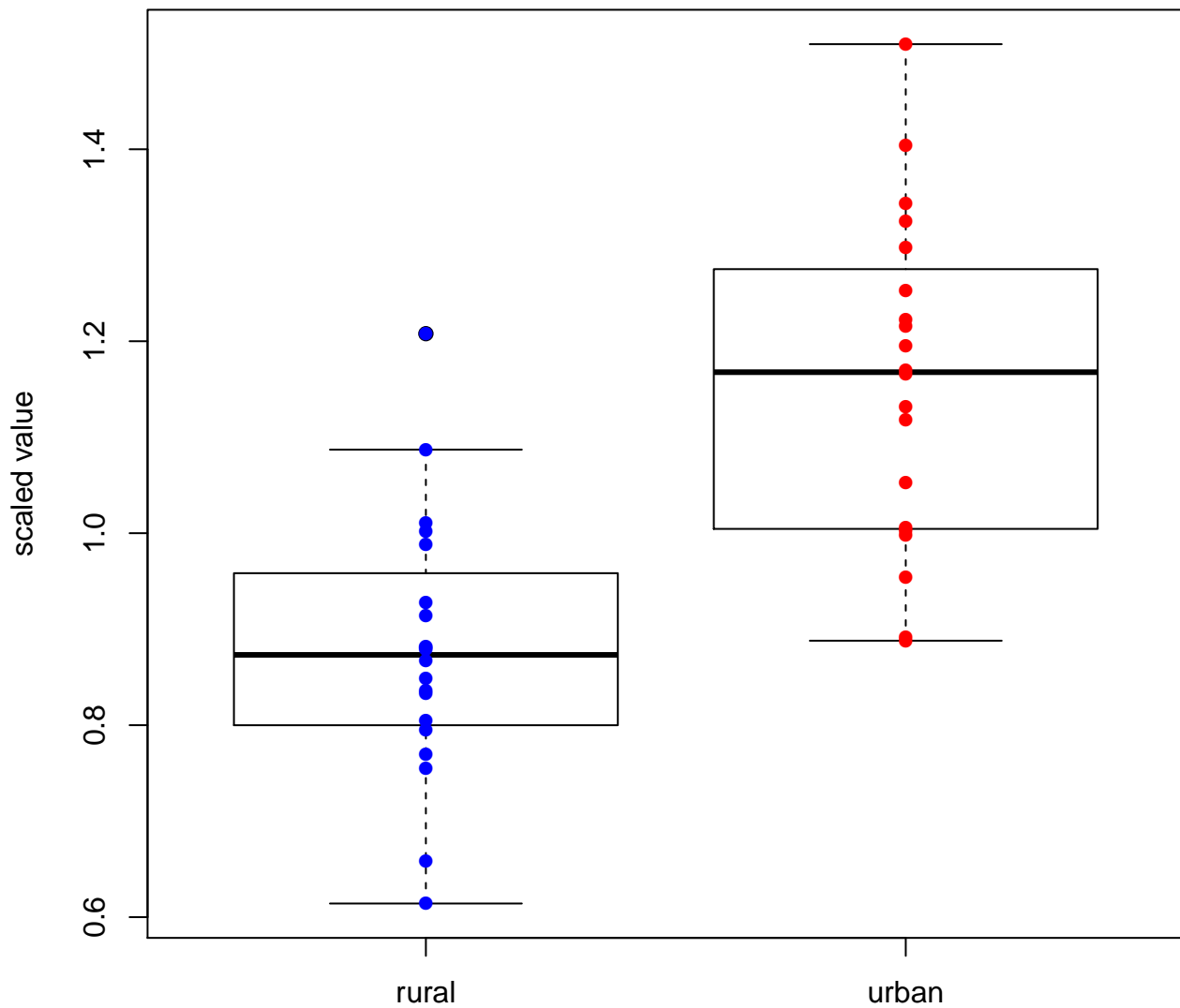


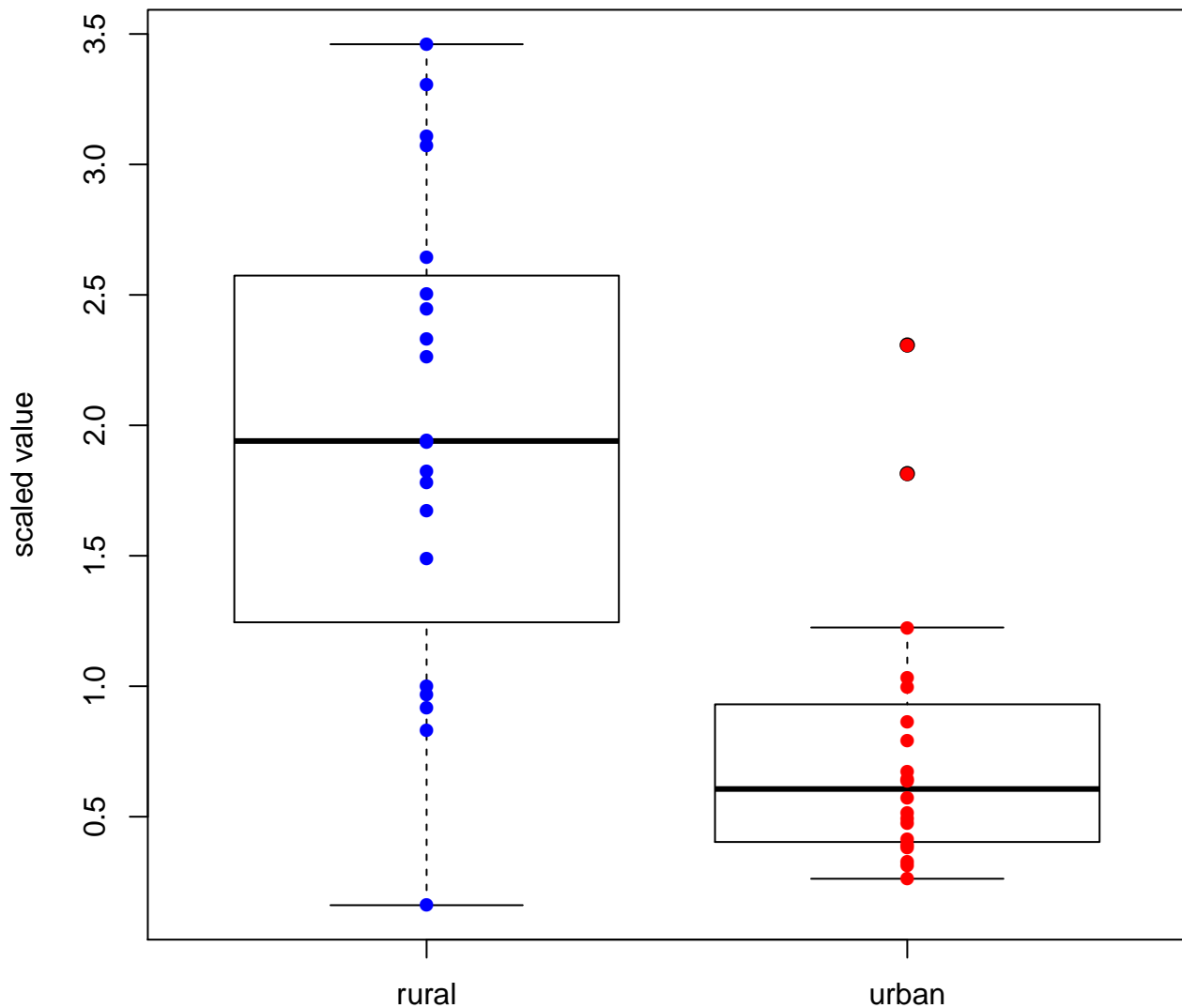
metabolite: cis-aconitate  
pAdjRuralUrban= 4.46e-05



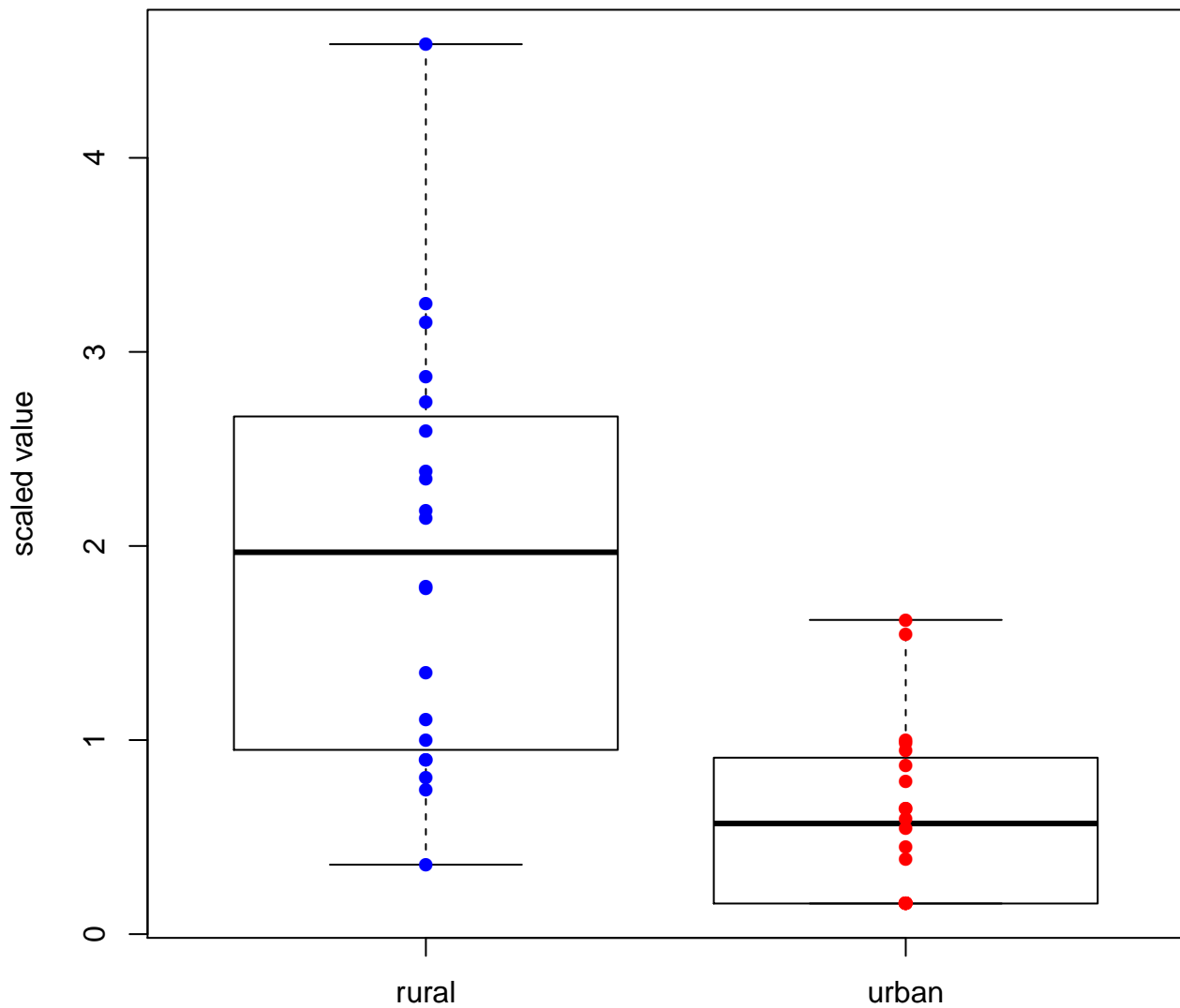
metabolite: glutamate  
pAdjRuralUrban= 0.000267



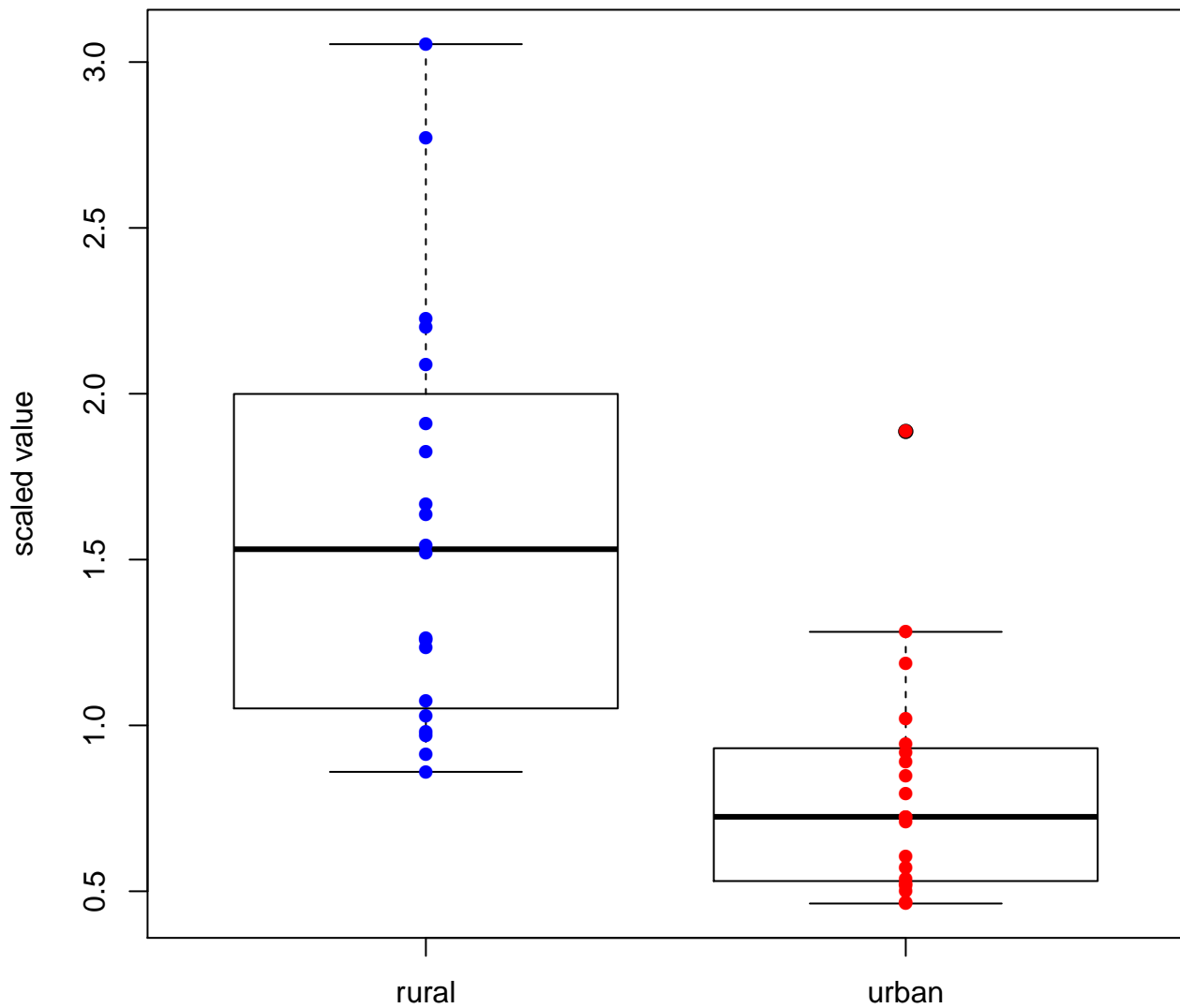
metabolite: epiandrosterone sulfate  
pAdjRuralUrban= 0.000698



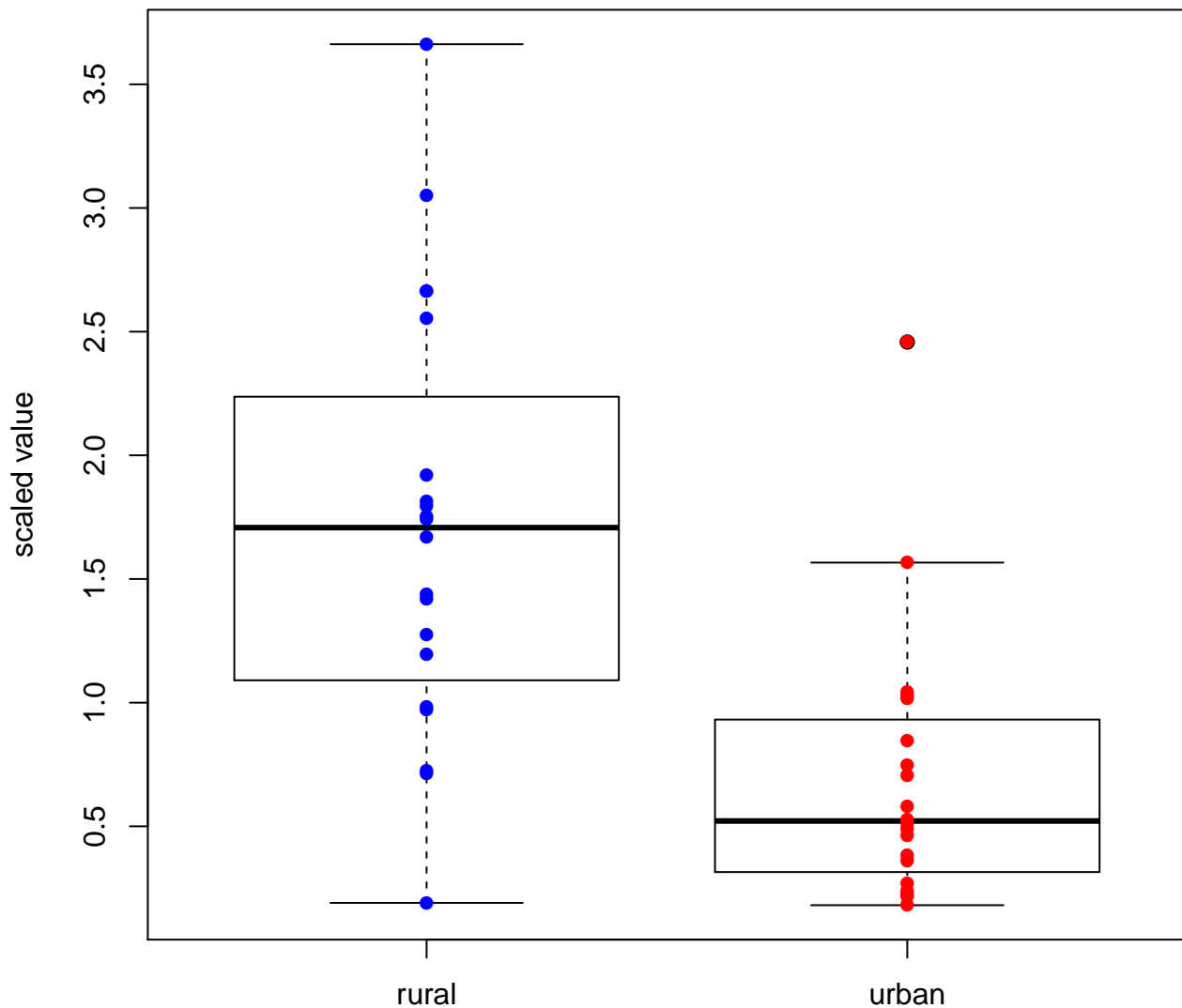
metabolite: guanosine  
pAdjRuralUrban= 0.000698



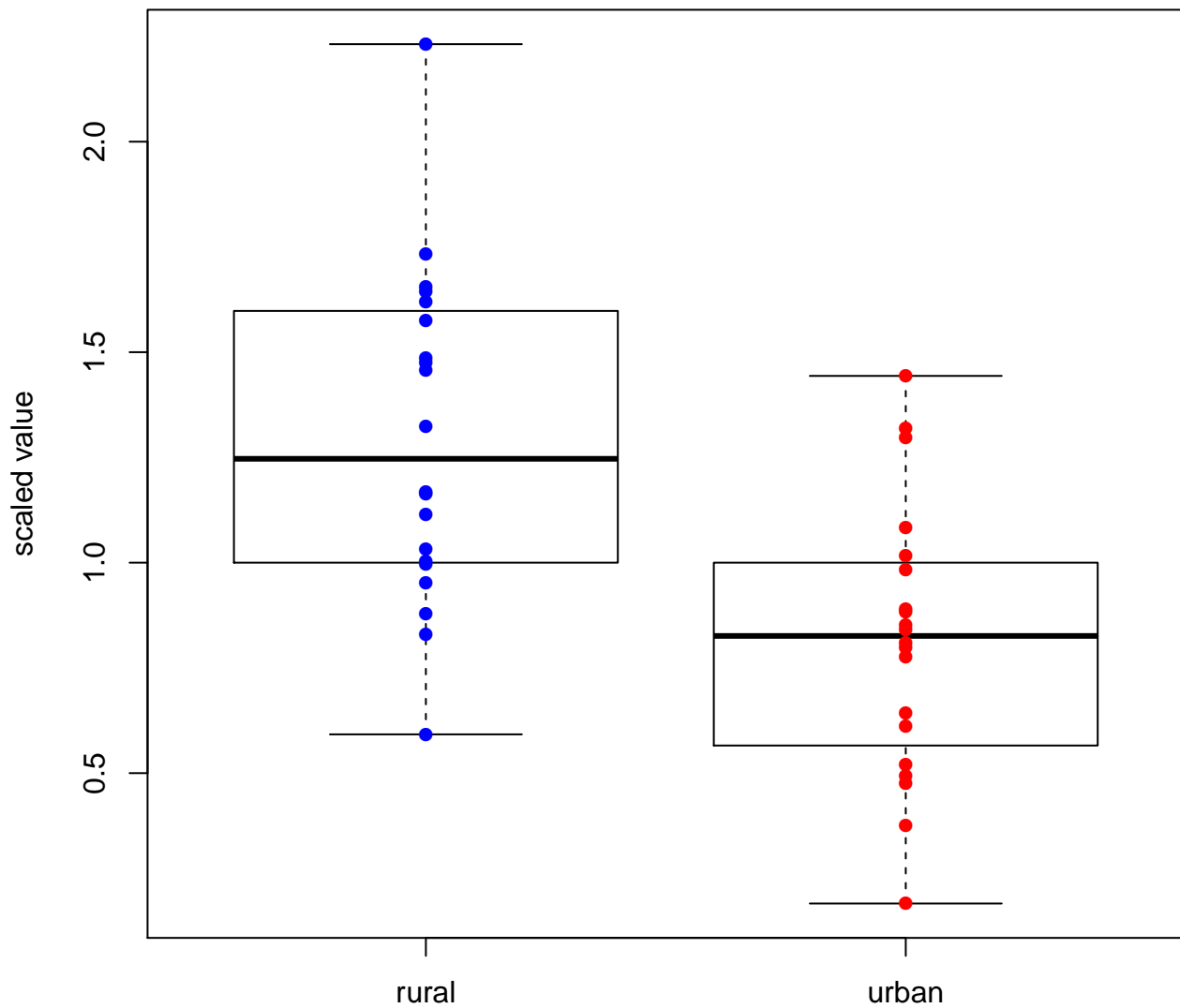
metabolite: ribose  
pAdjRuralUrban= 0.000958



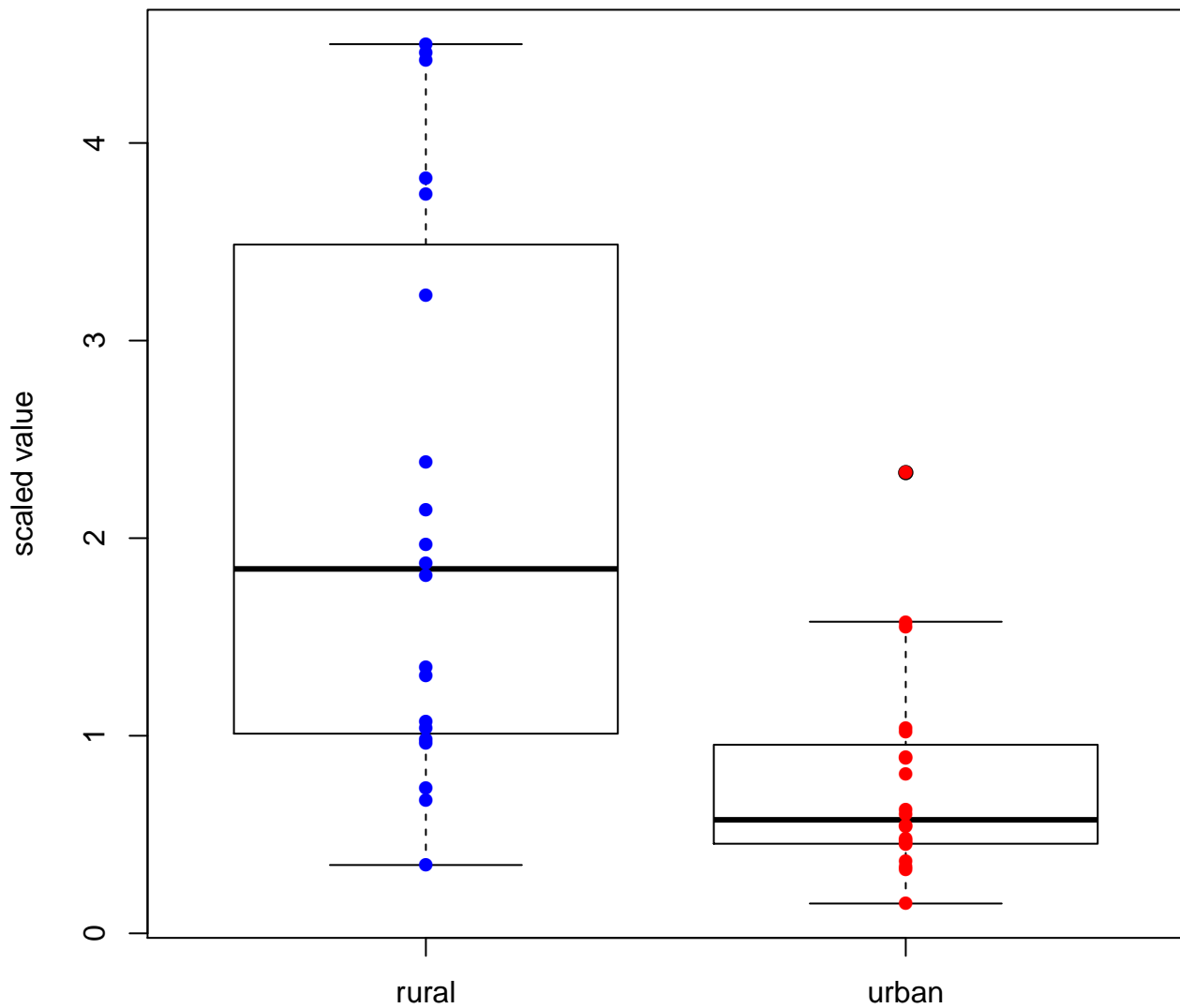
metabolite: androsterone sulfate  
pAdjRuralUrban= 0.00408



metabolite: serotonin  
pAdjRuralUrban= 0.0066



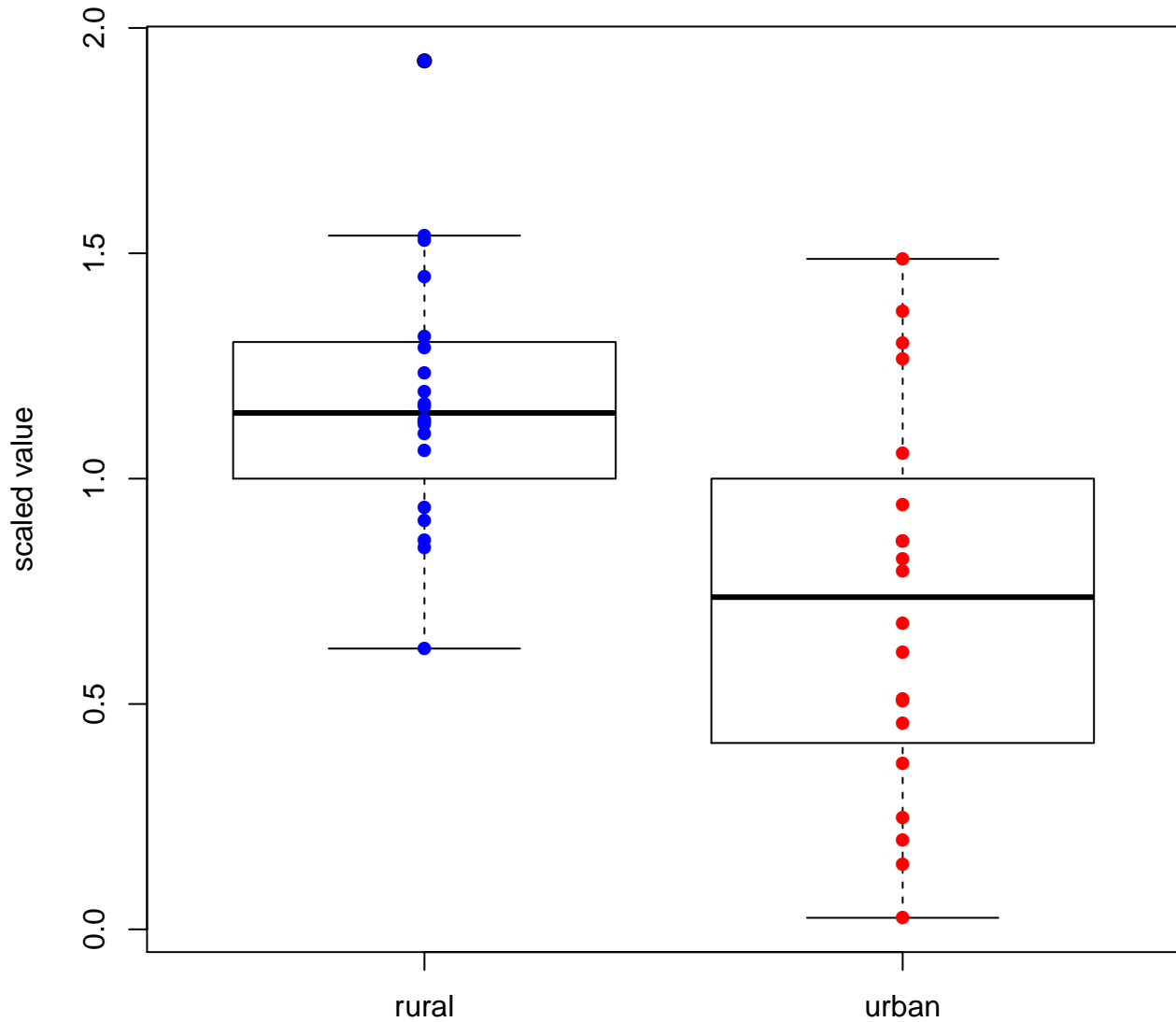
metabolite: inosine  
pAdjRuralUrban= 0.00839





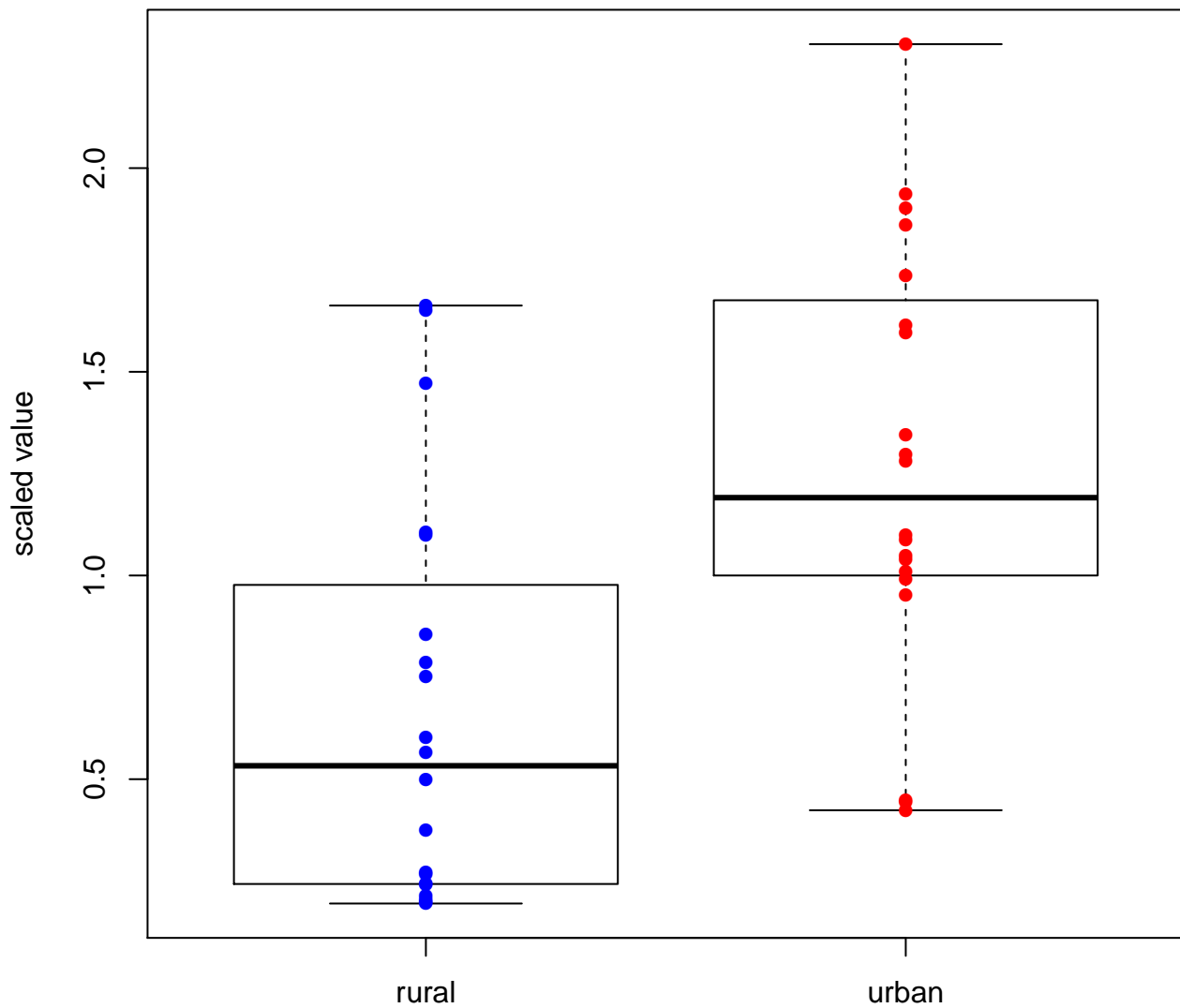
metabolite: 1,5-anhydroglucitol (1,5-AG)

pAdjRuralUrban= 0.0142

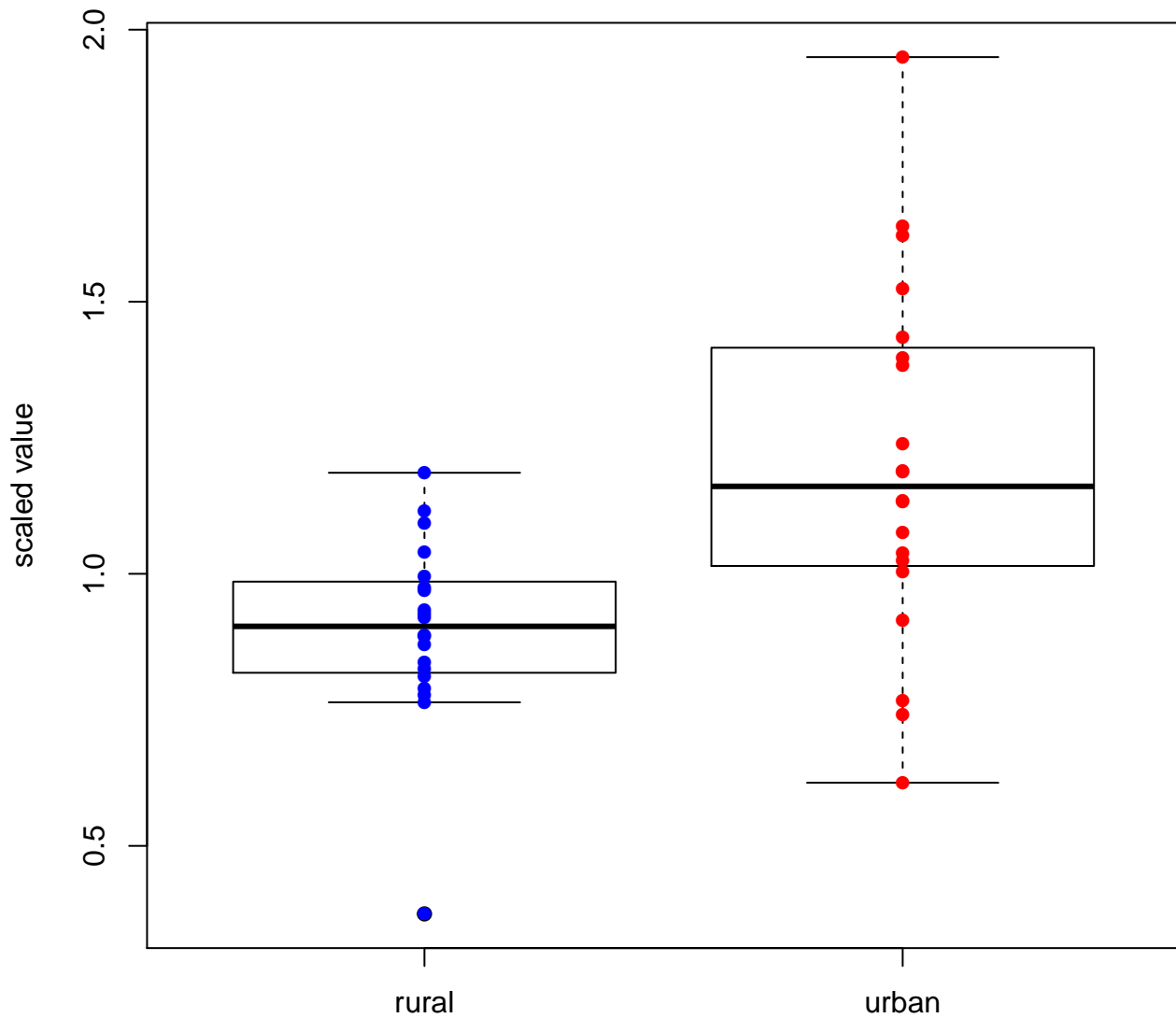


metabolite: 1-arachidonoyl-GPA (20:4)

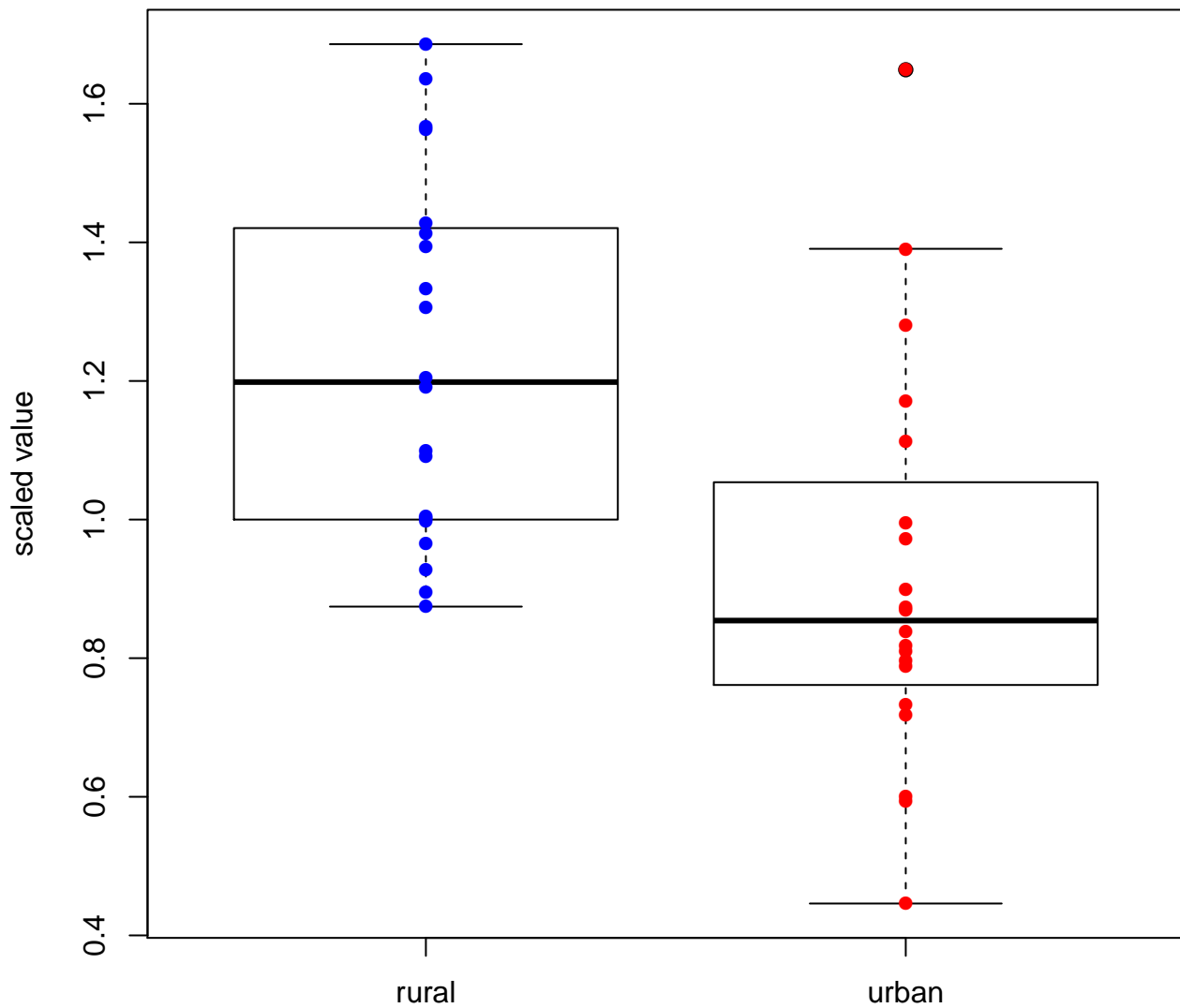
pAdjRuralUrban= 0.0189



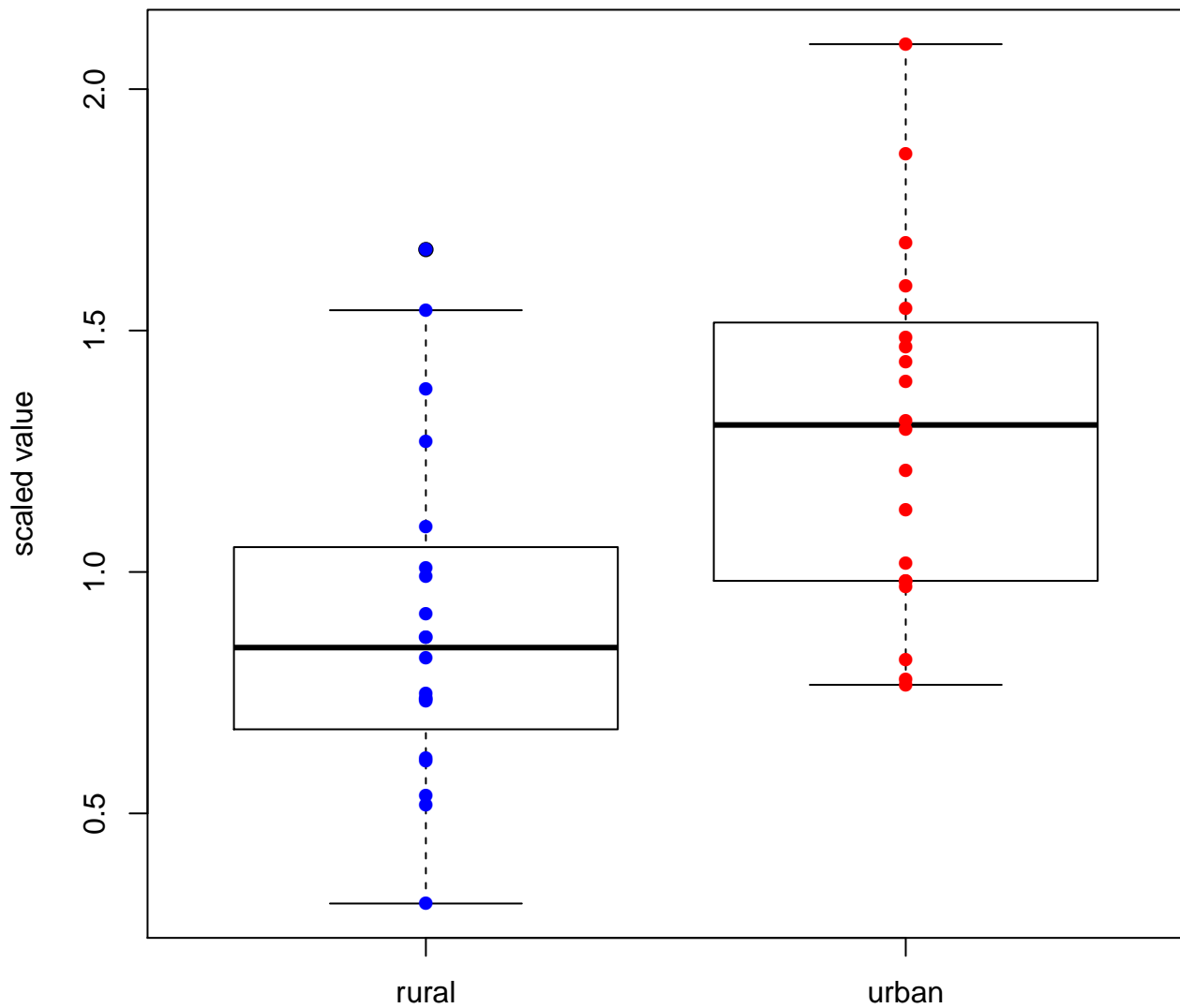
metabolite: gamma-glutamylvaline  
pAdjRuralUrban= 0.0266



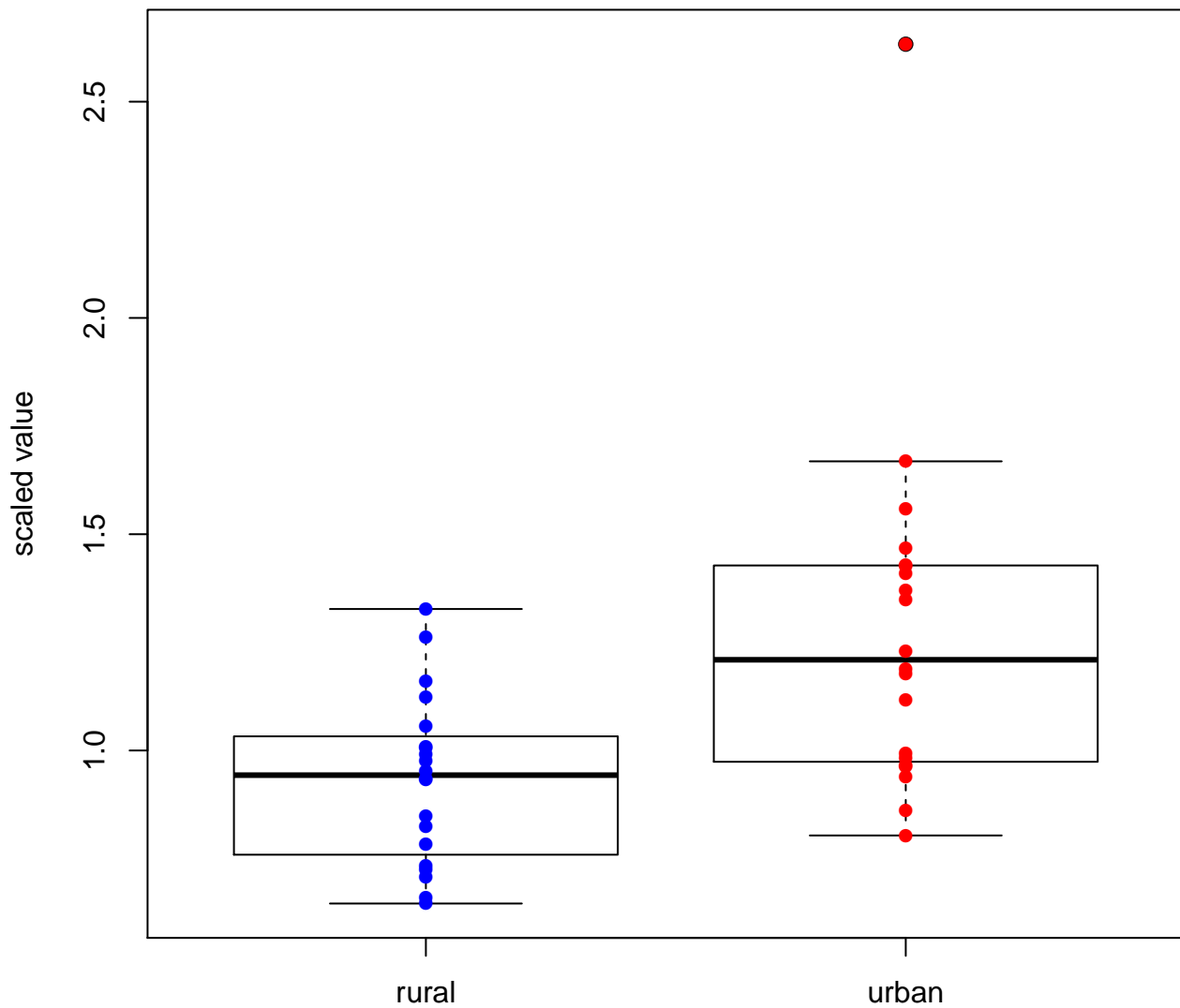
metabolite: cholestanol  
pAdjRuralUrban= 0.0271



metabolite: 2-aminoheptanoate  
pAdjRuralUrban= 0.0339

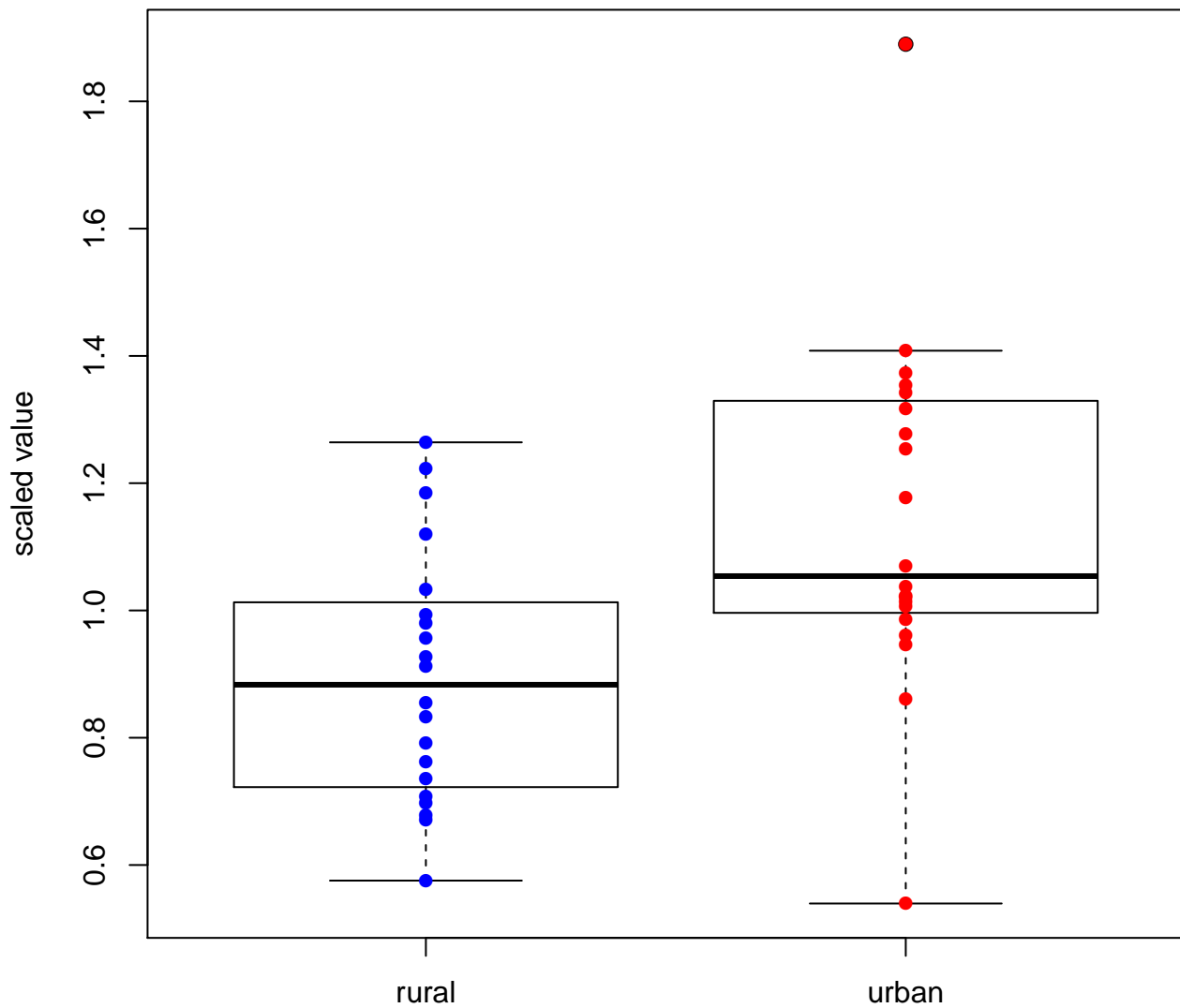


metabolite: lactate  
pAdjRuralUrban= 0.0348

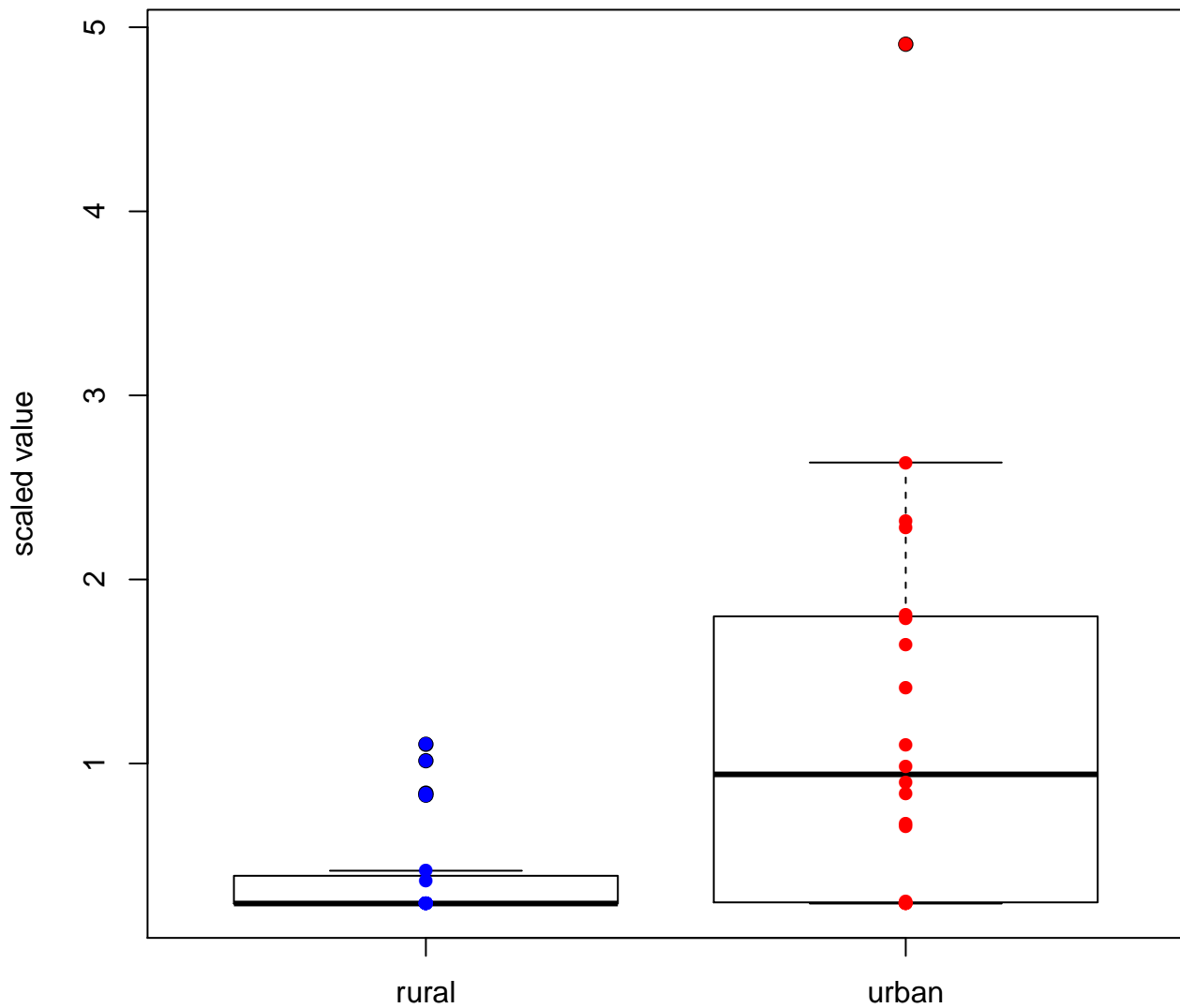


metabolite: linoleate (18:2n6)

pAdjRuralUrban= 0.0494

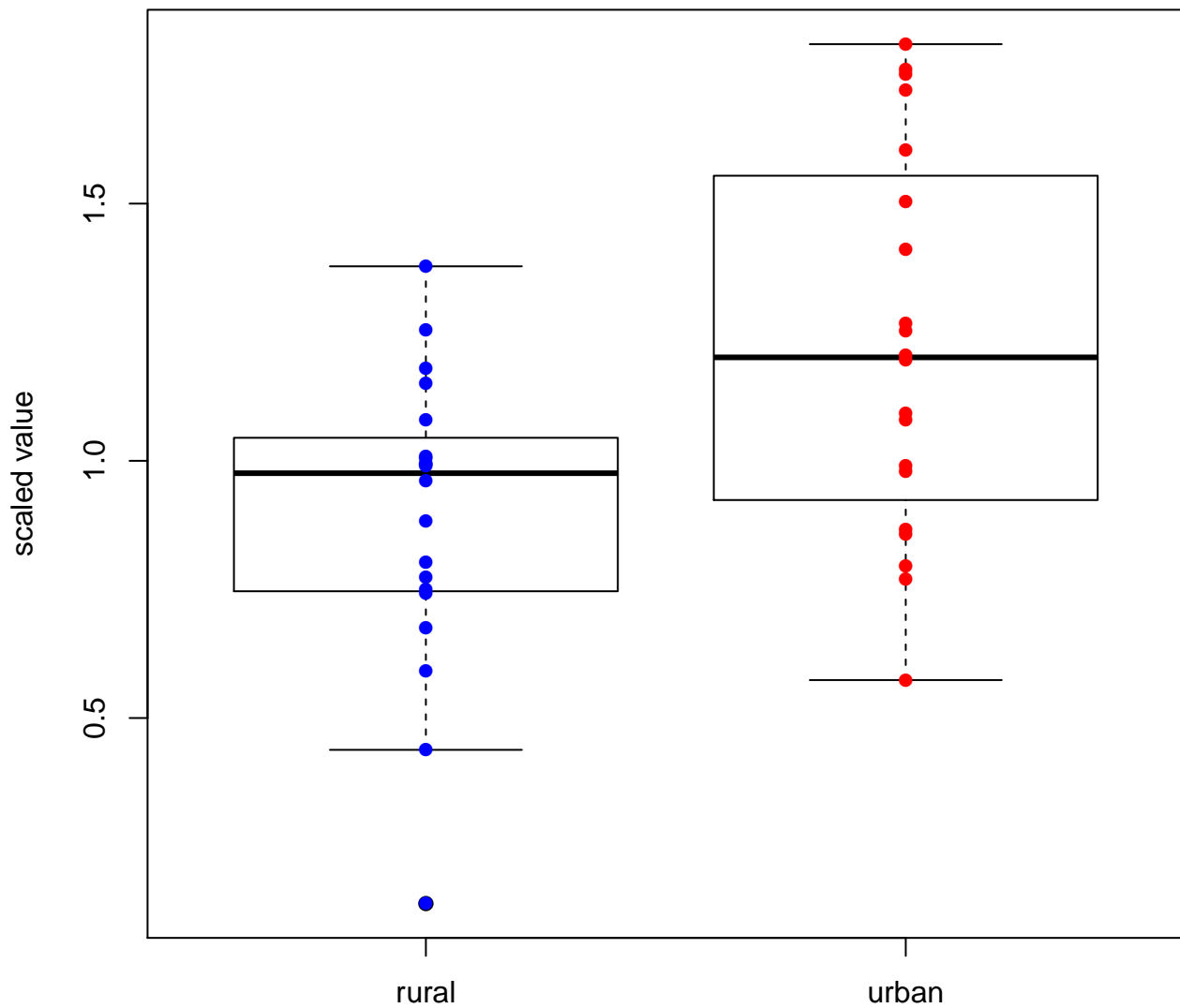


metabolite: theophylline  
pAdjRuralUrban= 0.0494



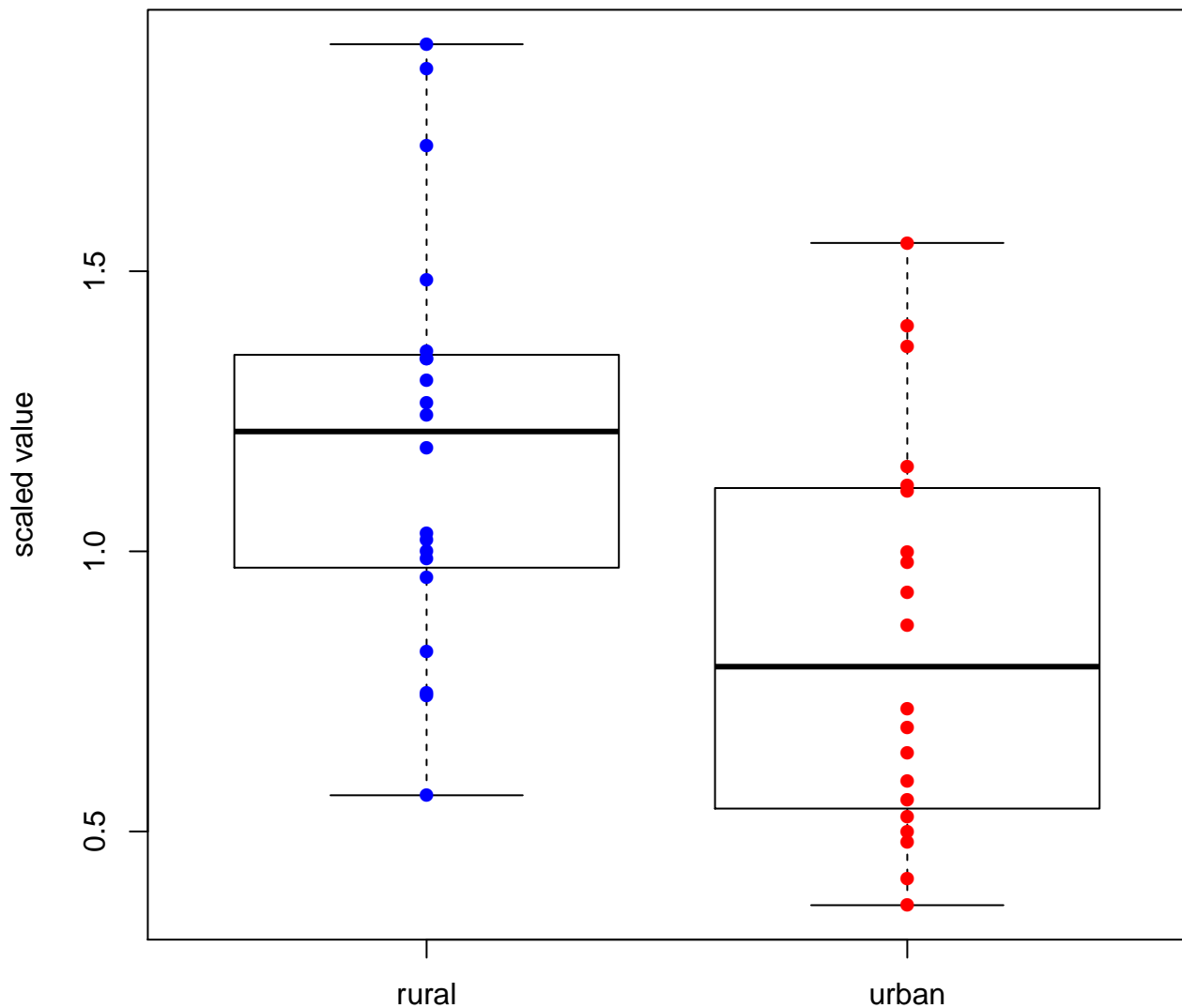


metabolite: alpha-ketoglutarate  
pAdjRuralUrban= 0.0591

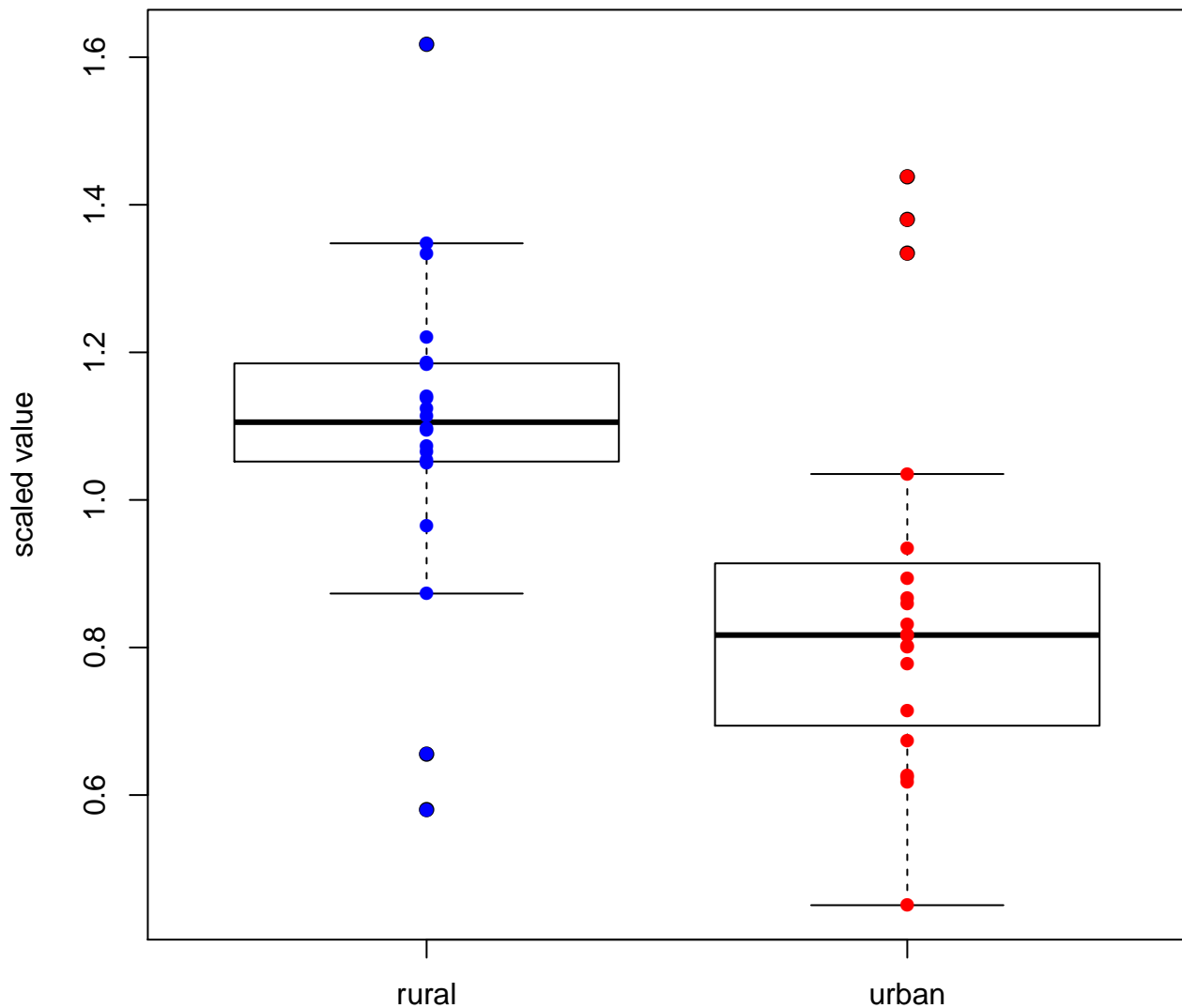


metabolite: 1-arachidonoyl-GPC (20:4)

pAdjRuralUrban= 0.0767

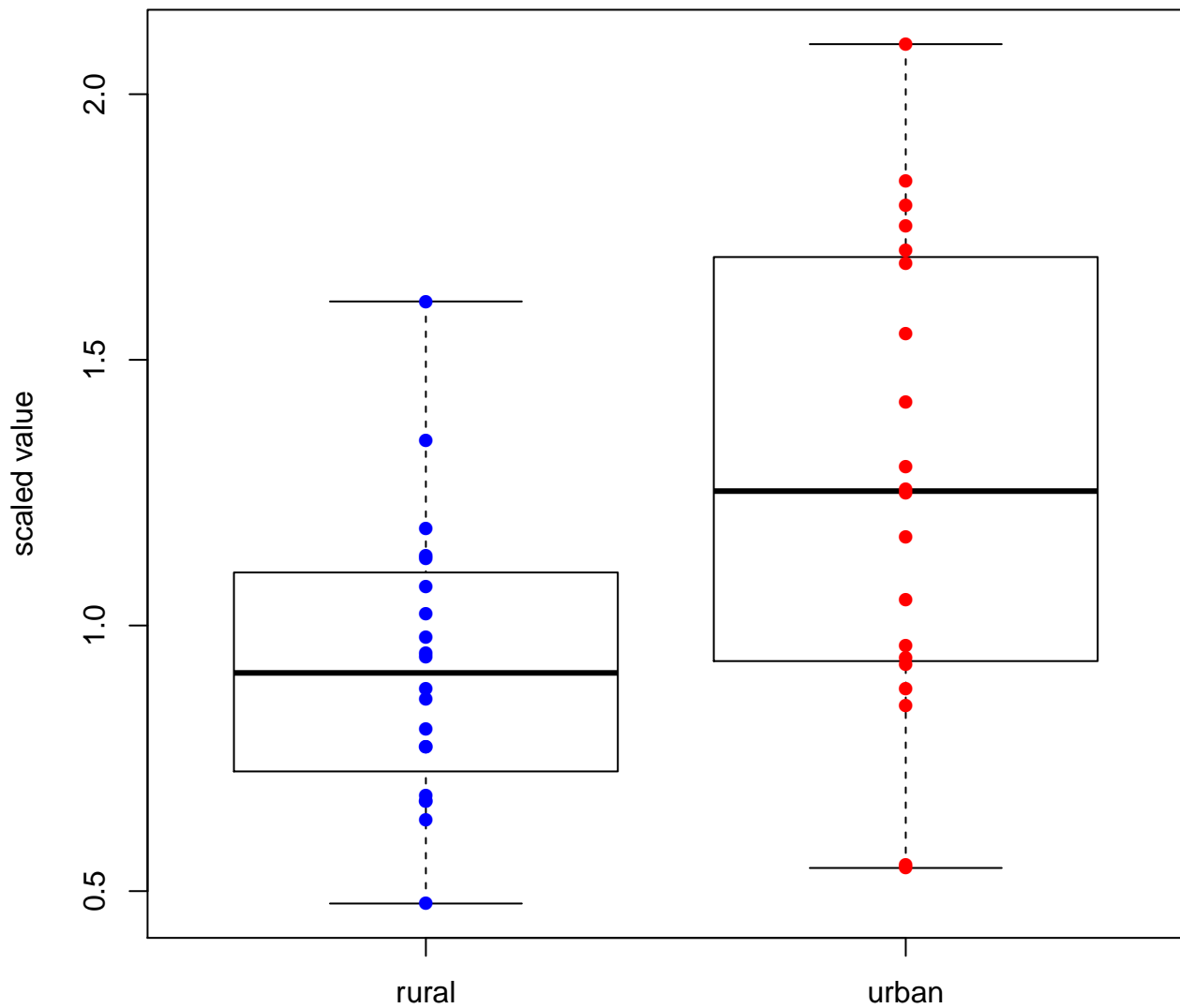


metabolite: glycerol 3-phosphate  
pAdjRuralUrban= 0.0813



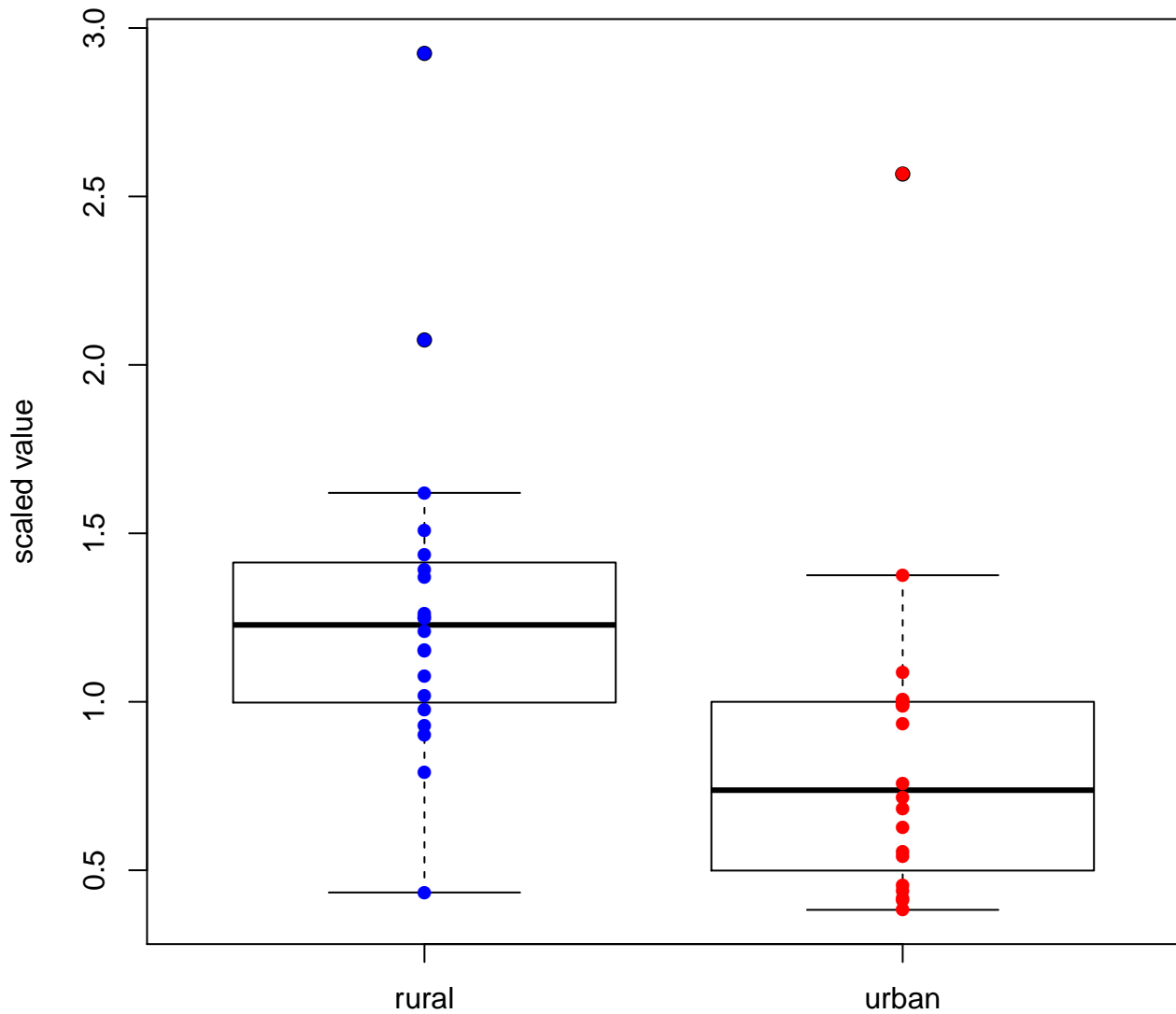
metabolite: docosadienoate (22:2n6)

pAdjRuralUrban= 0.0815



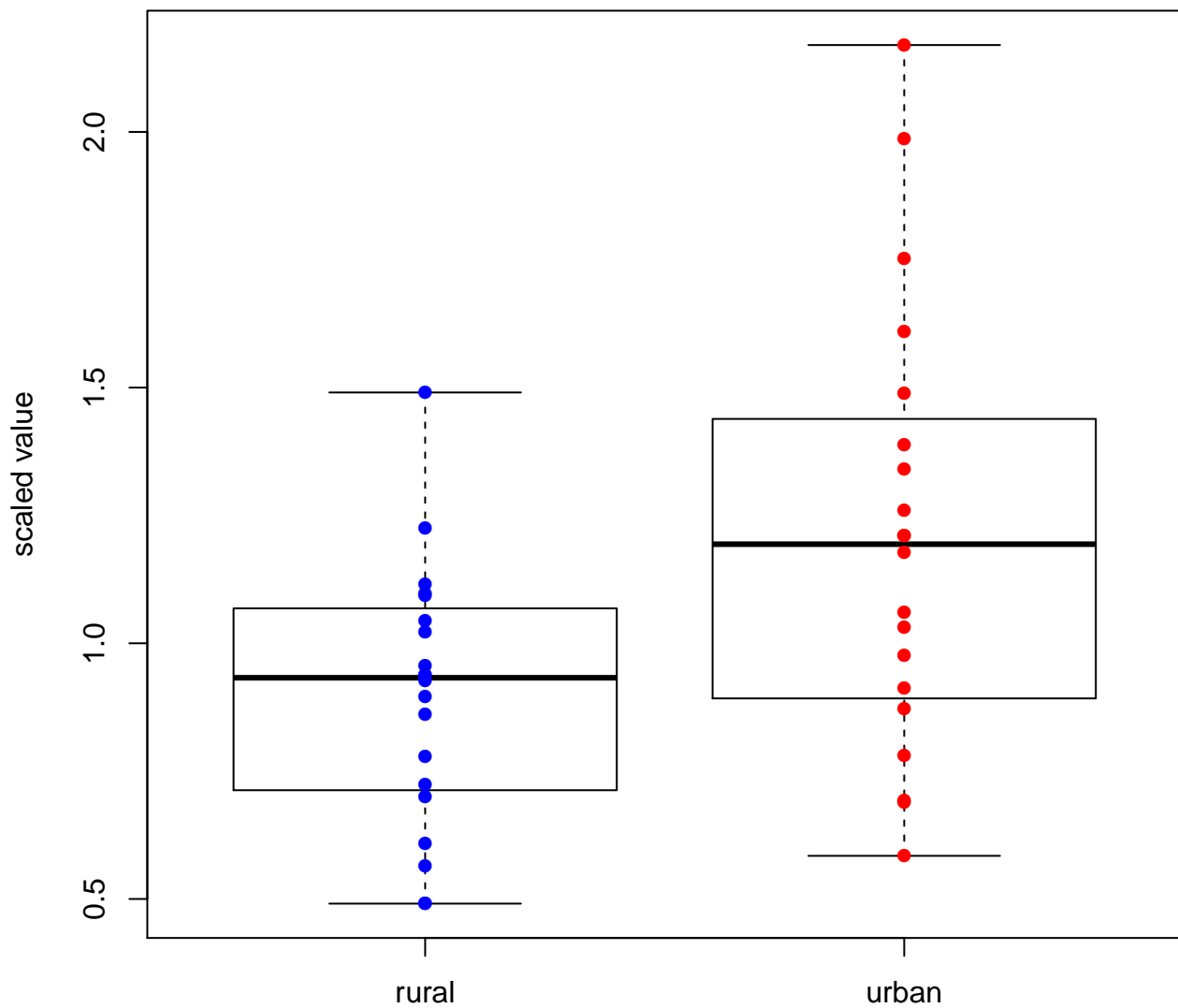
metabolite: 1-oleoyl-GPC (18:1)

pAdjRuralUrban= 0.113

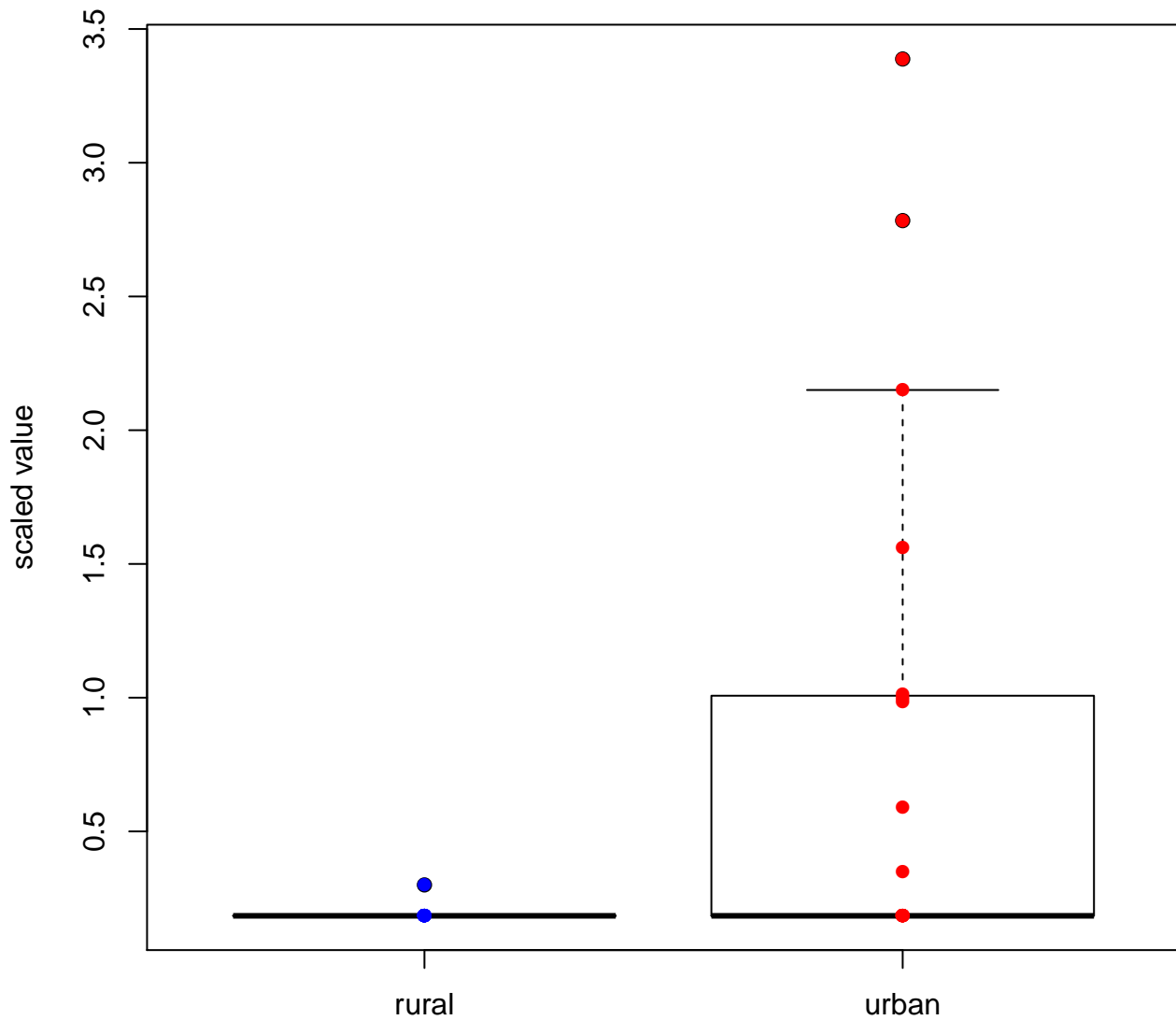


metabolite: 10-nonadecenoate (19:1n9)

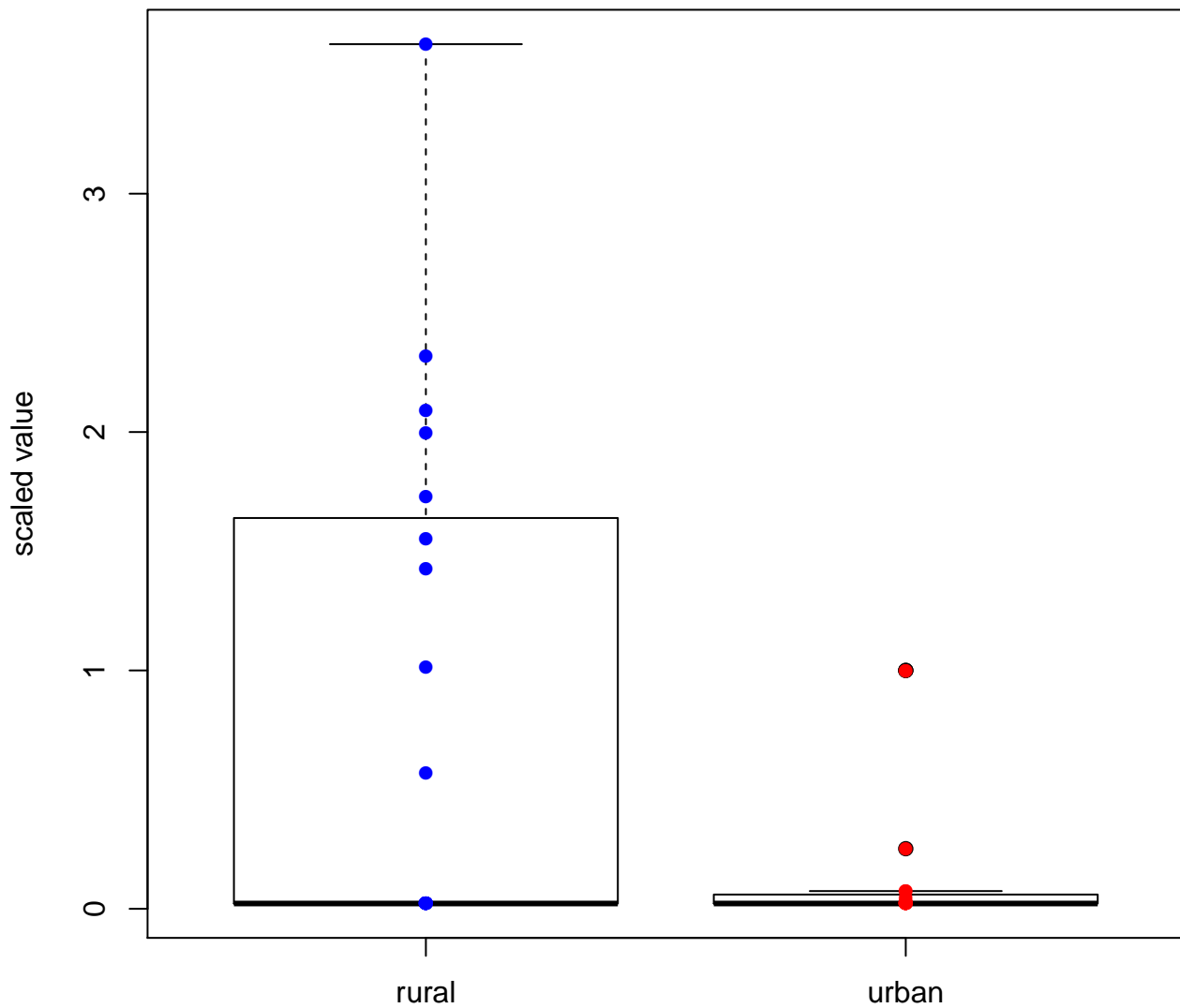
pAdjRuralUrban= 0.113



metabolite: caffeine  
pAdjRuralUrban= 0.113

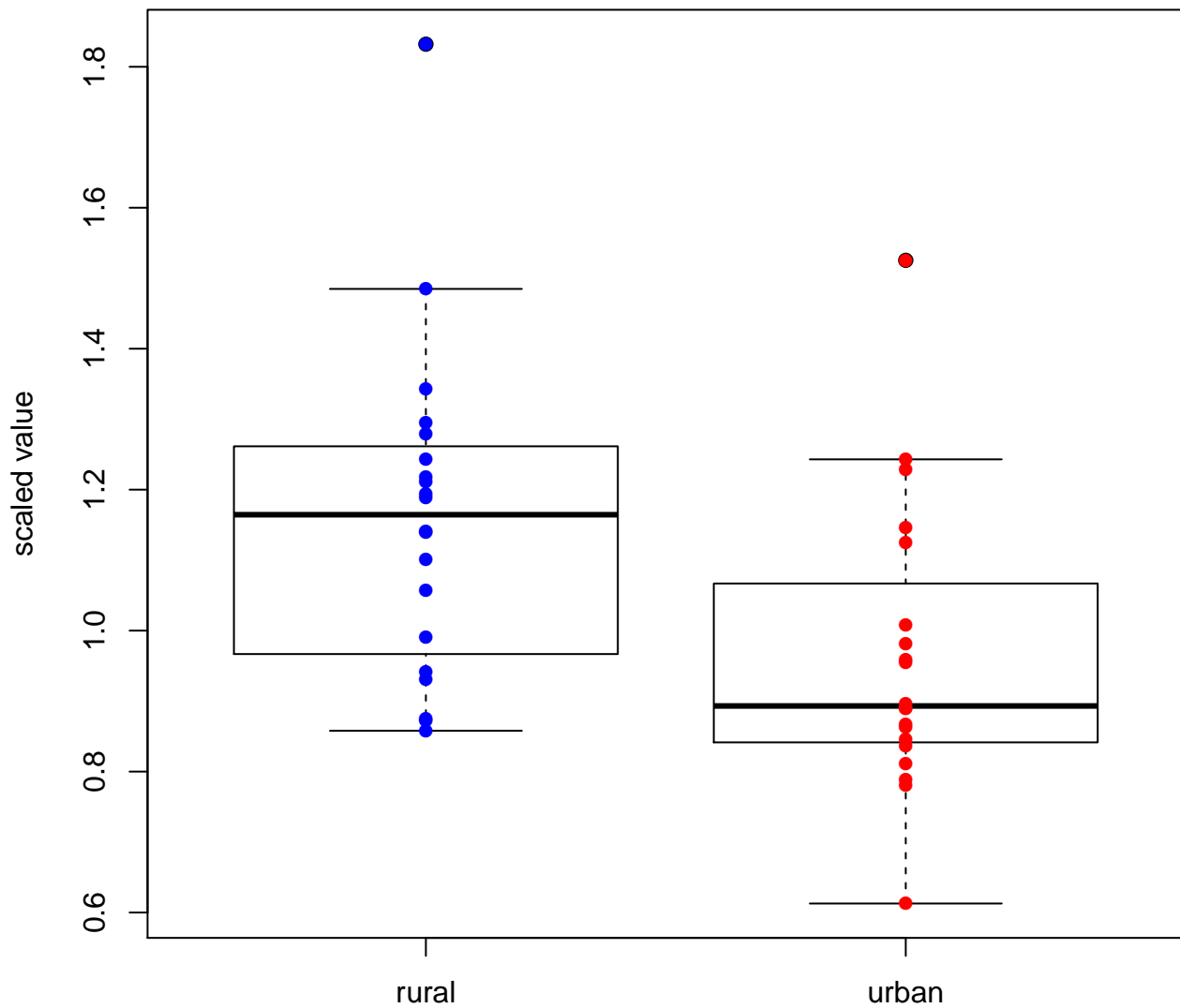


metabolite: cotinine  
pAdjRuralUrban= 0.113

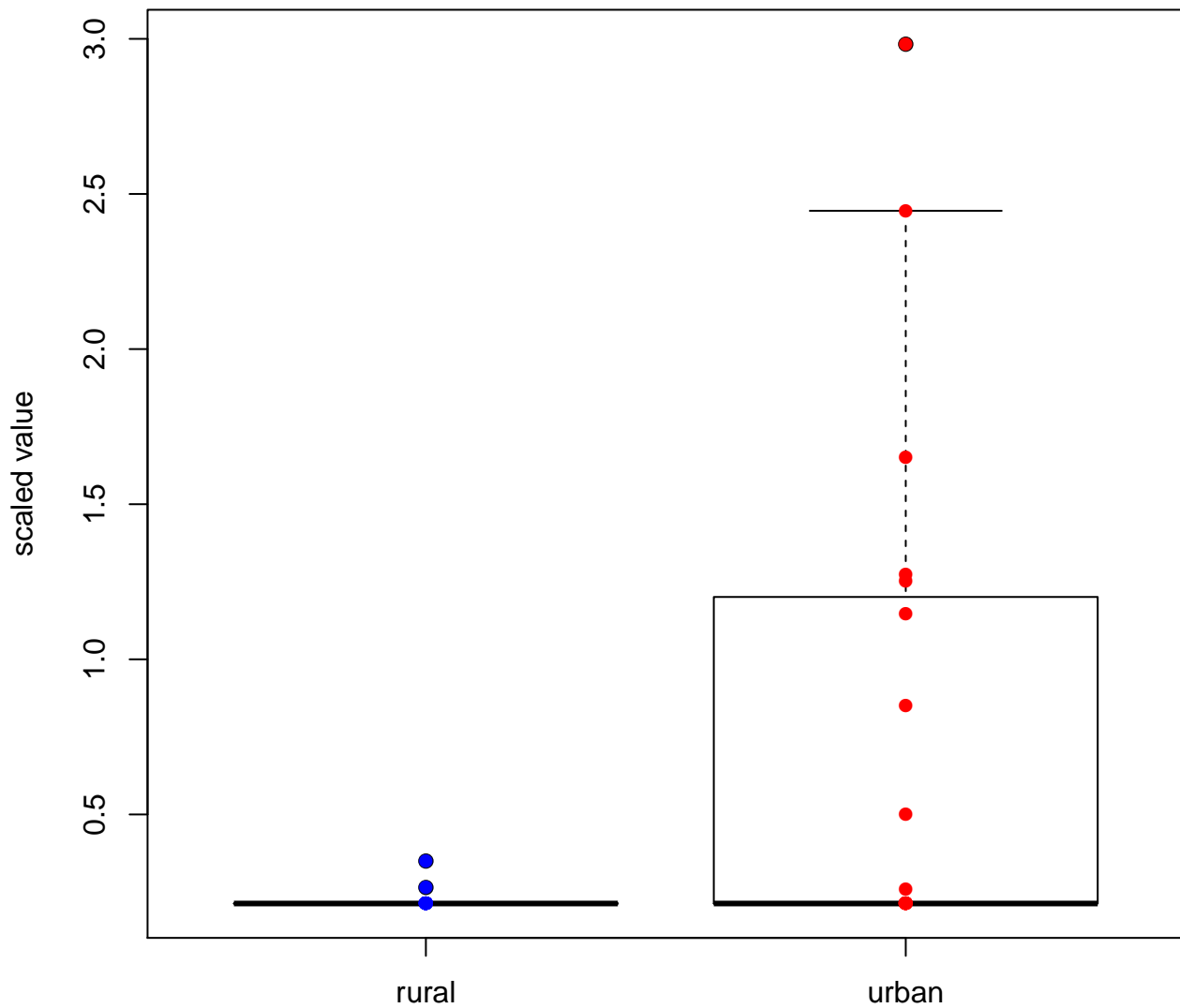




metabolite: deoxycarnitine  
pAdjRuralUrban= 0.113

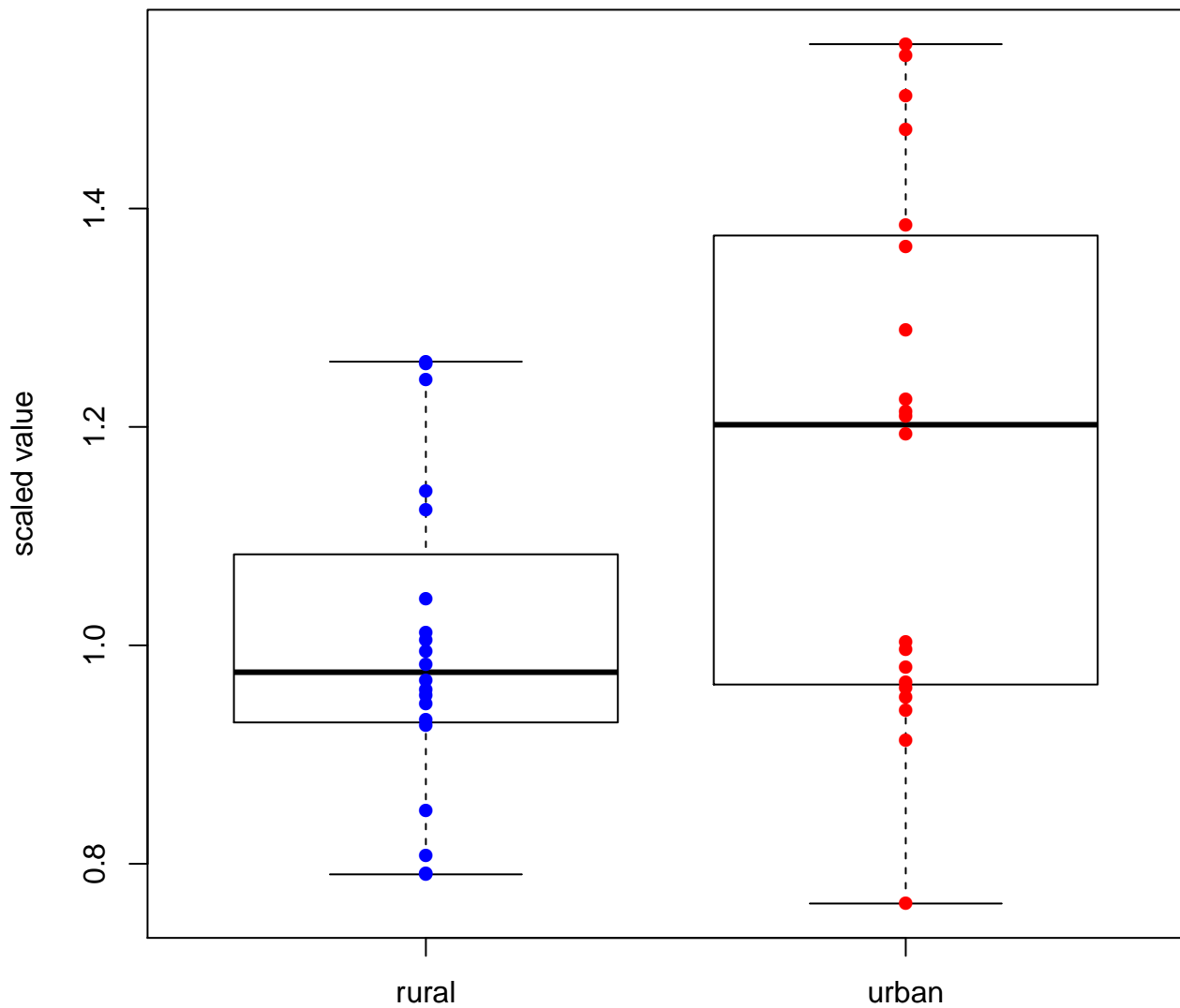


metabolite: theobromine  
pAdjRuralUrban= 0.113

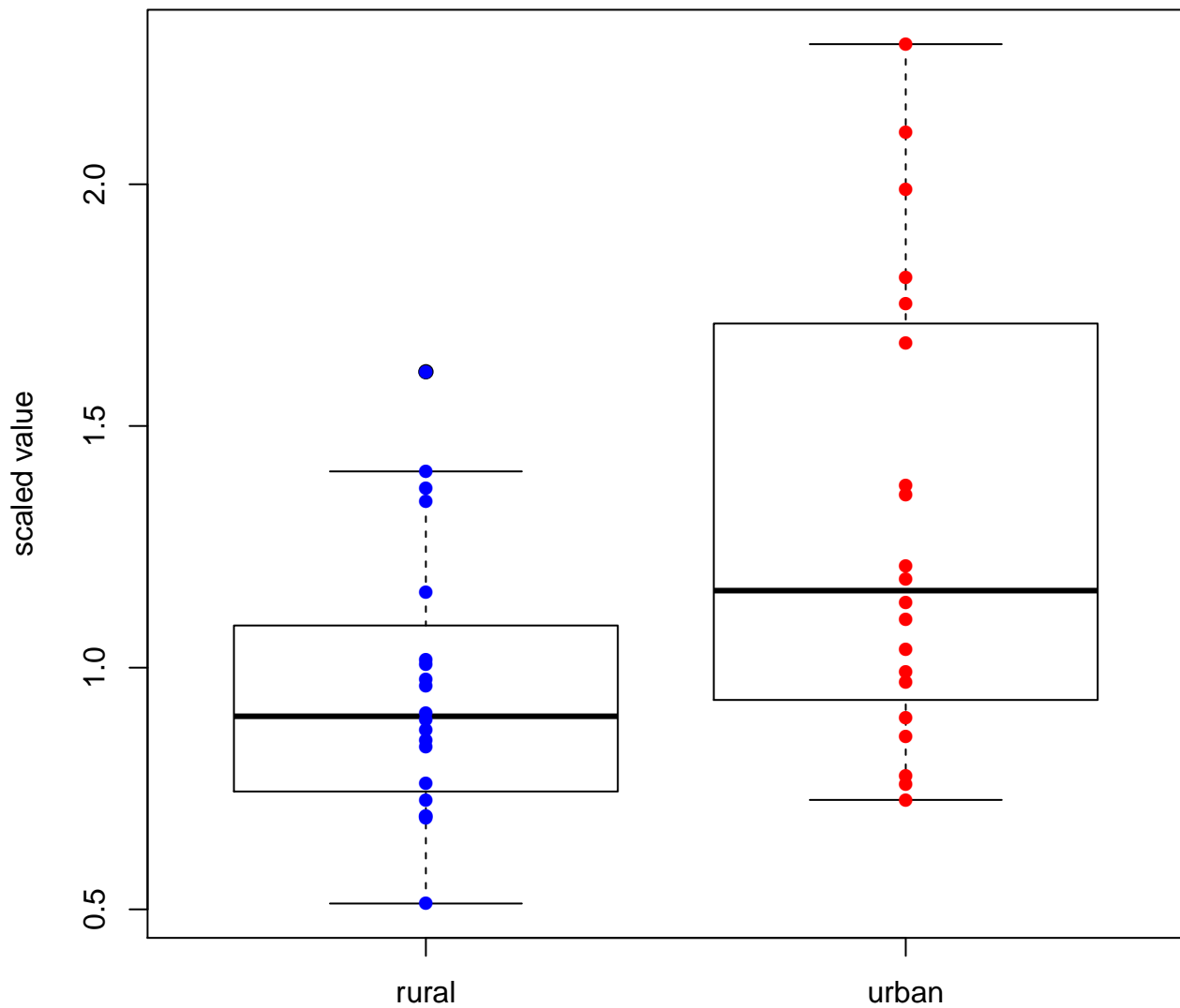


metabolite: palmitate (16:0)

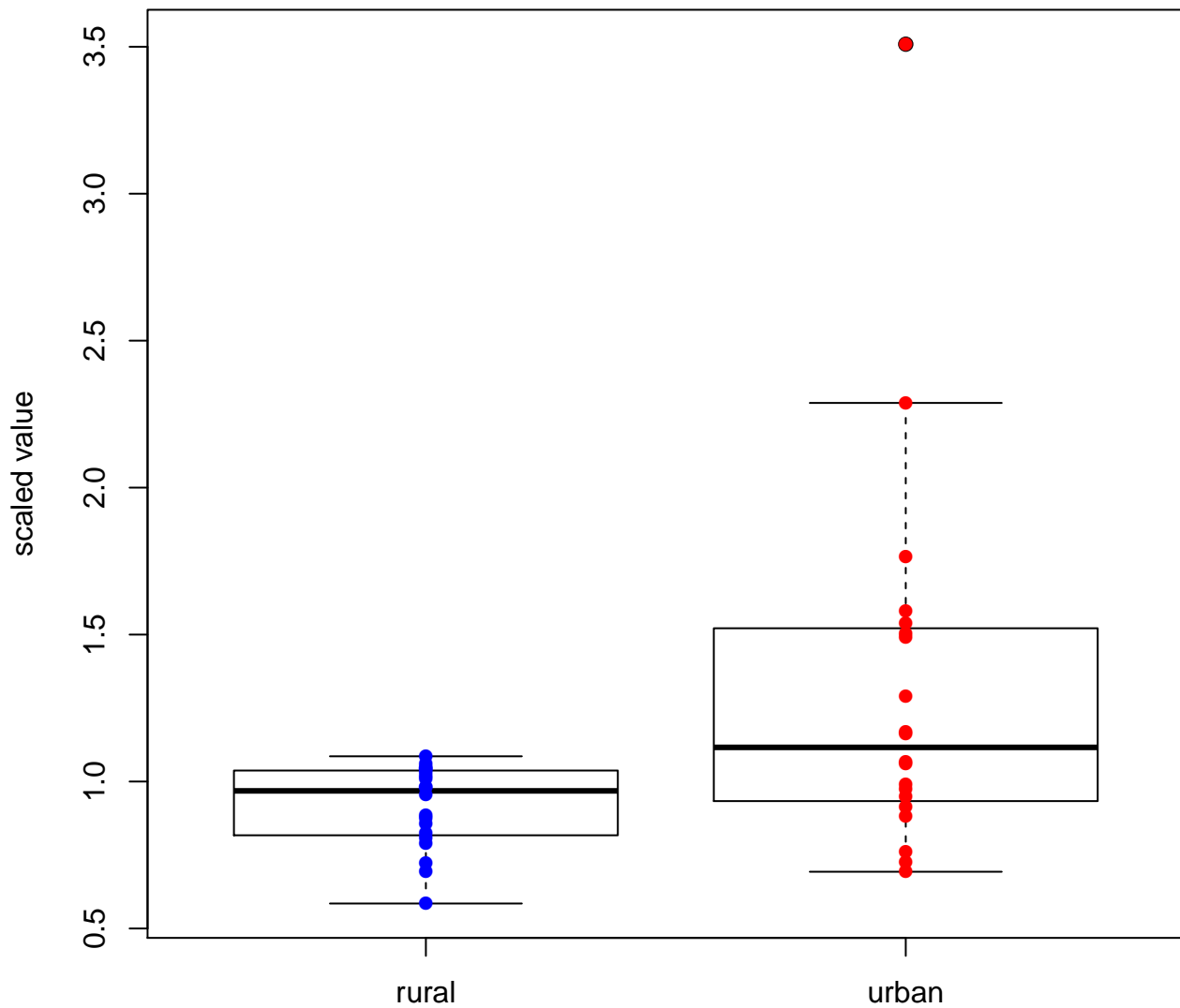
pAdjRuralUrban= 0.115



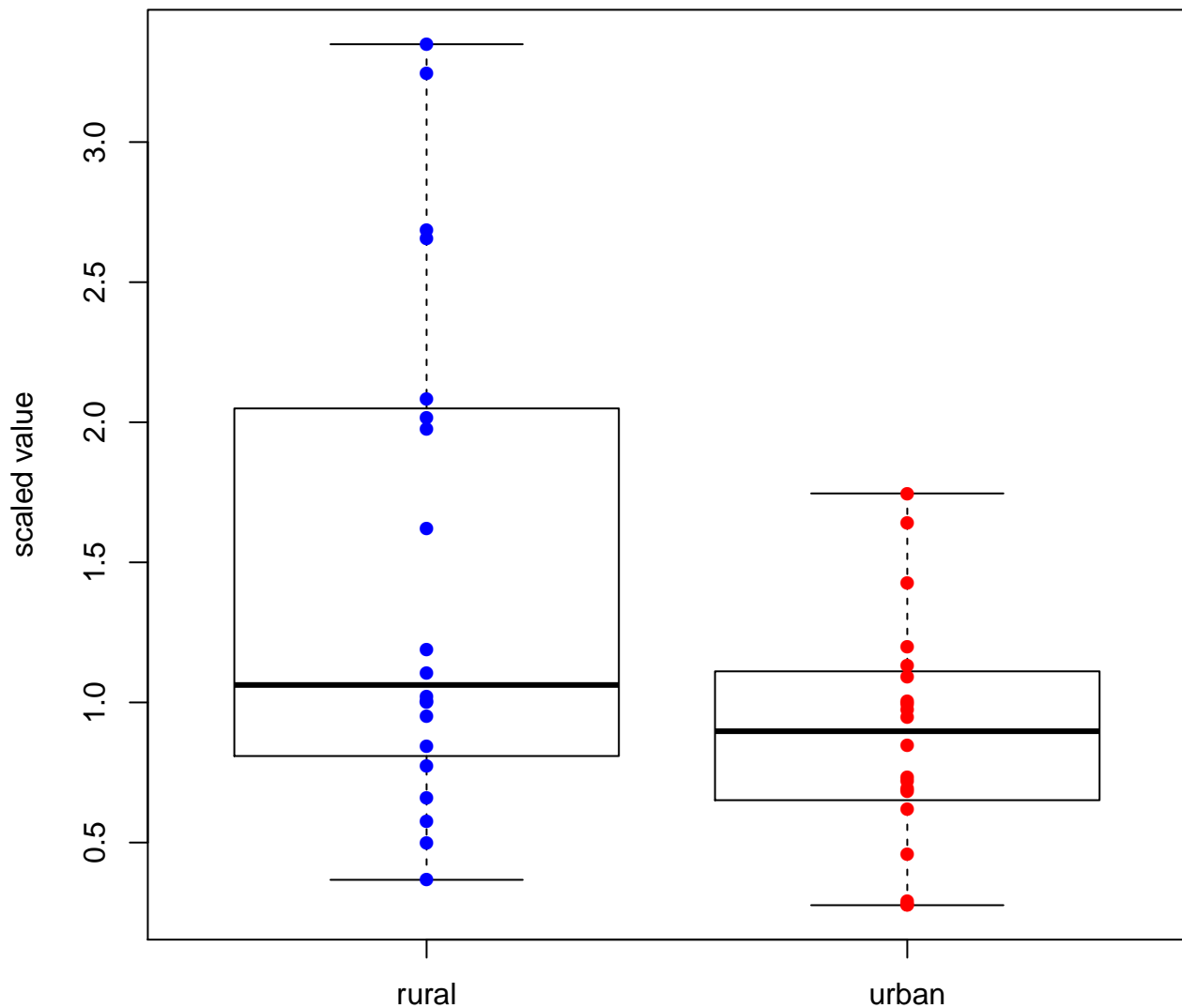
metabolite: gluconate  
pAdjRuralUrban= 0.122



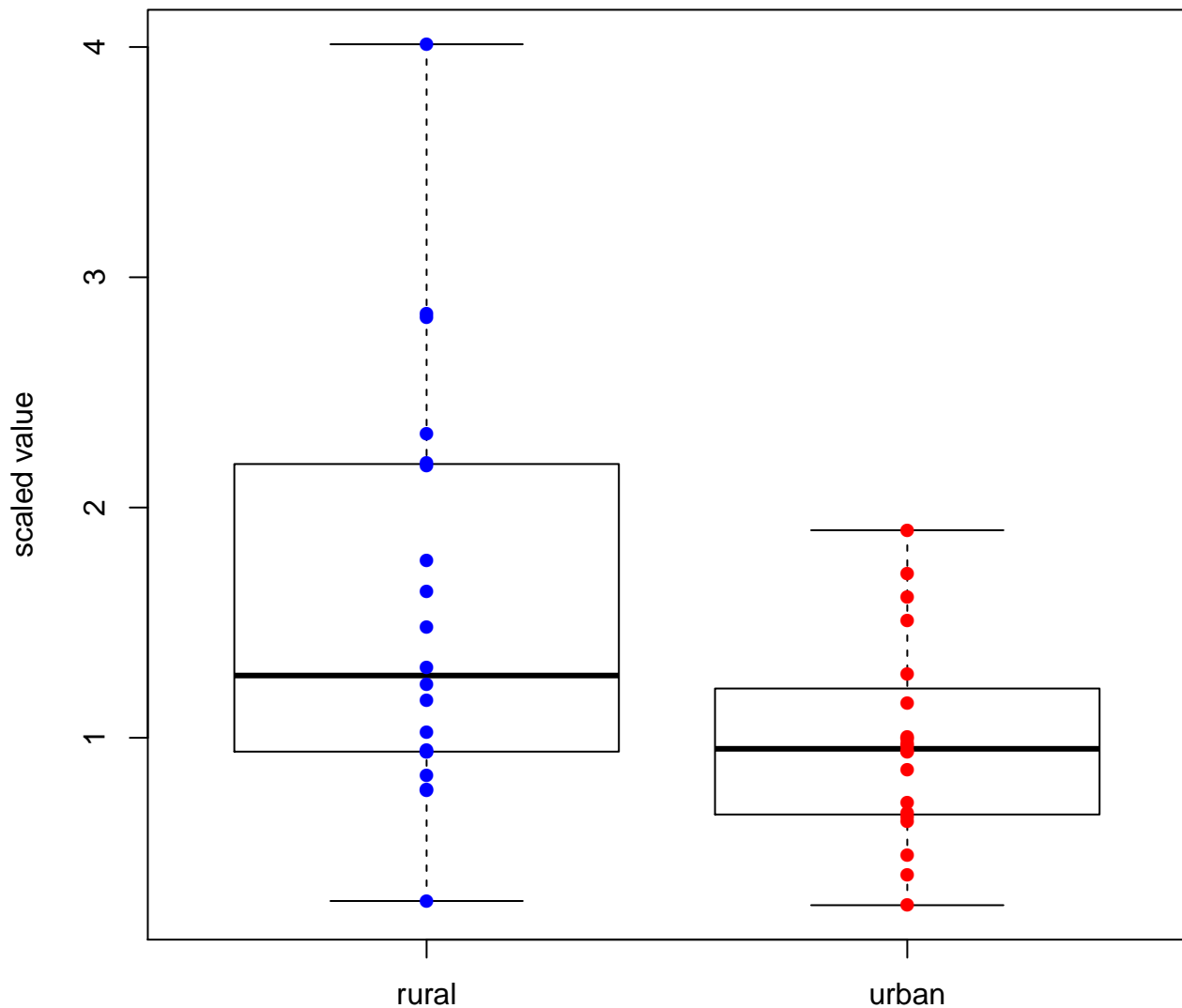
metabolite: mannose  
pAdjRuralUrban= 0.122



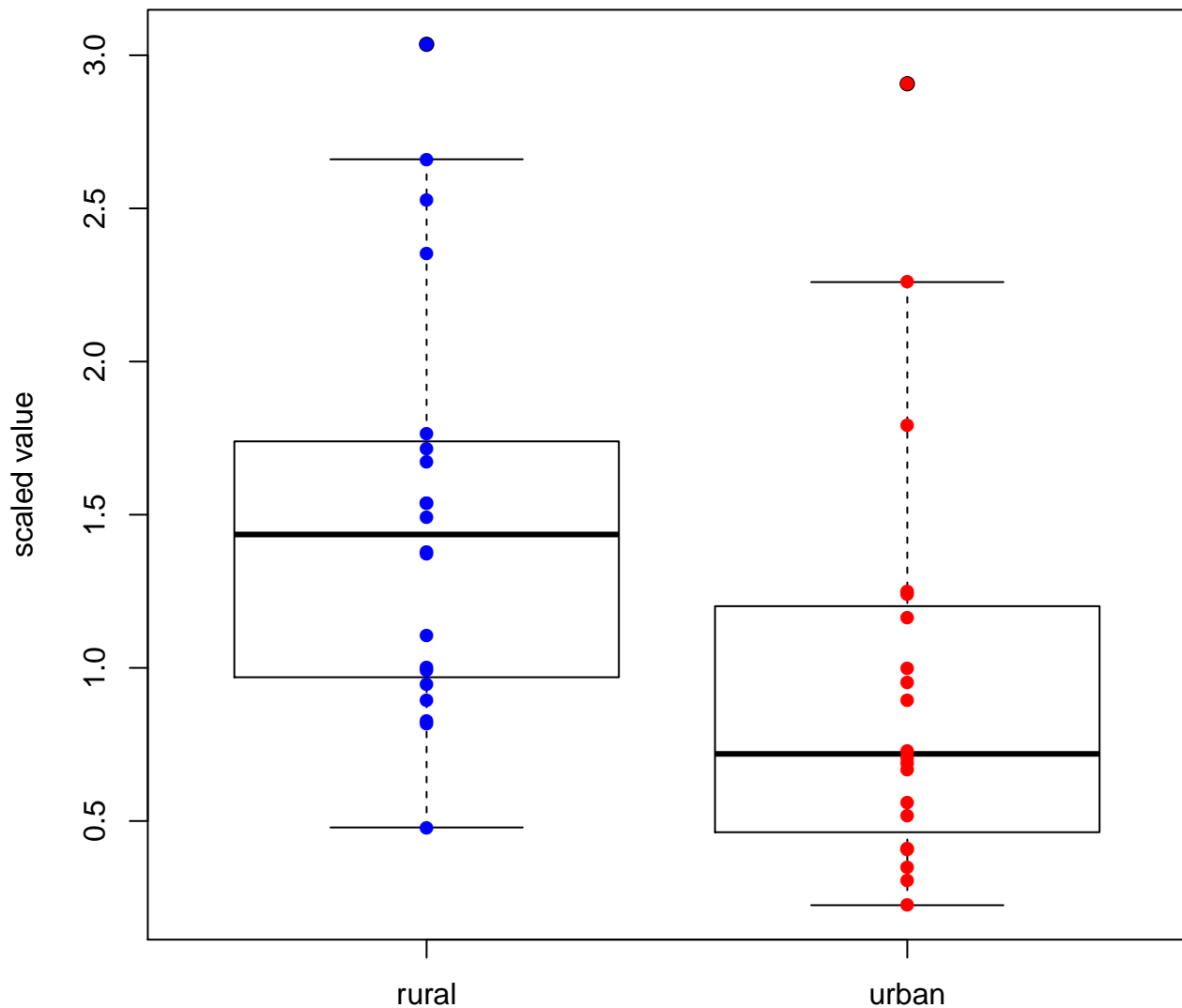
metabolite: methyl-beta-glucopyranoside  
pAdjRuralUrban= 0.139



**metabolite: dehydroisoandrosterone sulfate (DHEA-S)**  
**pAdjRuralUrban= 0.14**

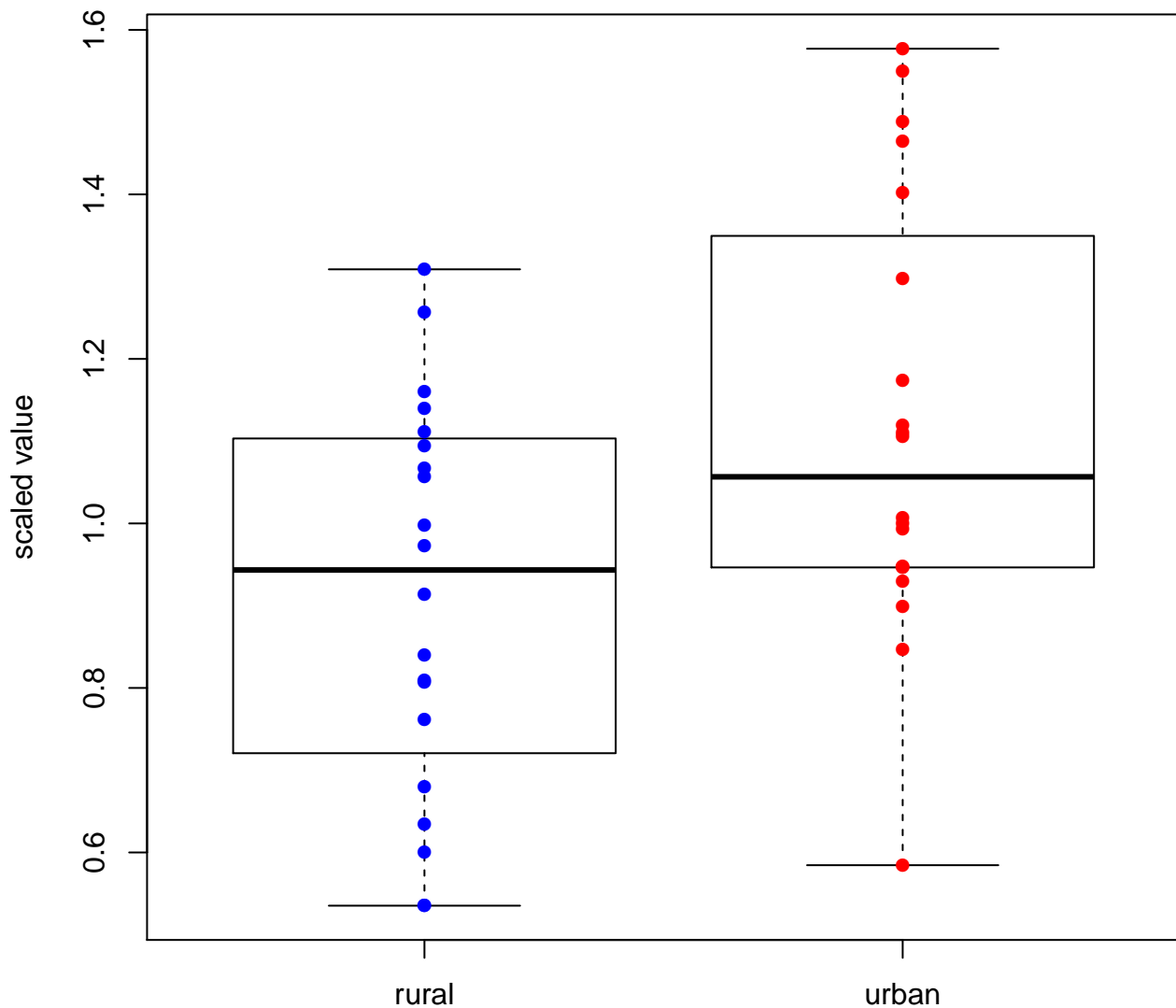


metabolite: 2-stearoyl-GPC (18:0)  
pAdjRuralUrban= 0.146



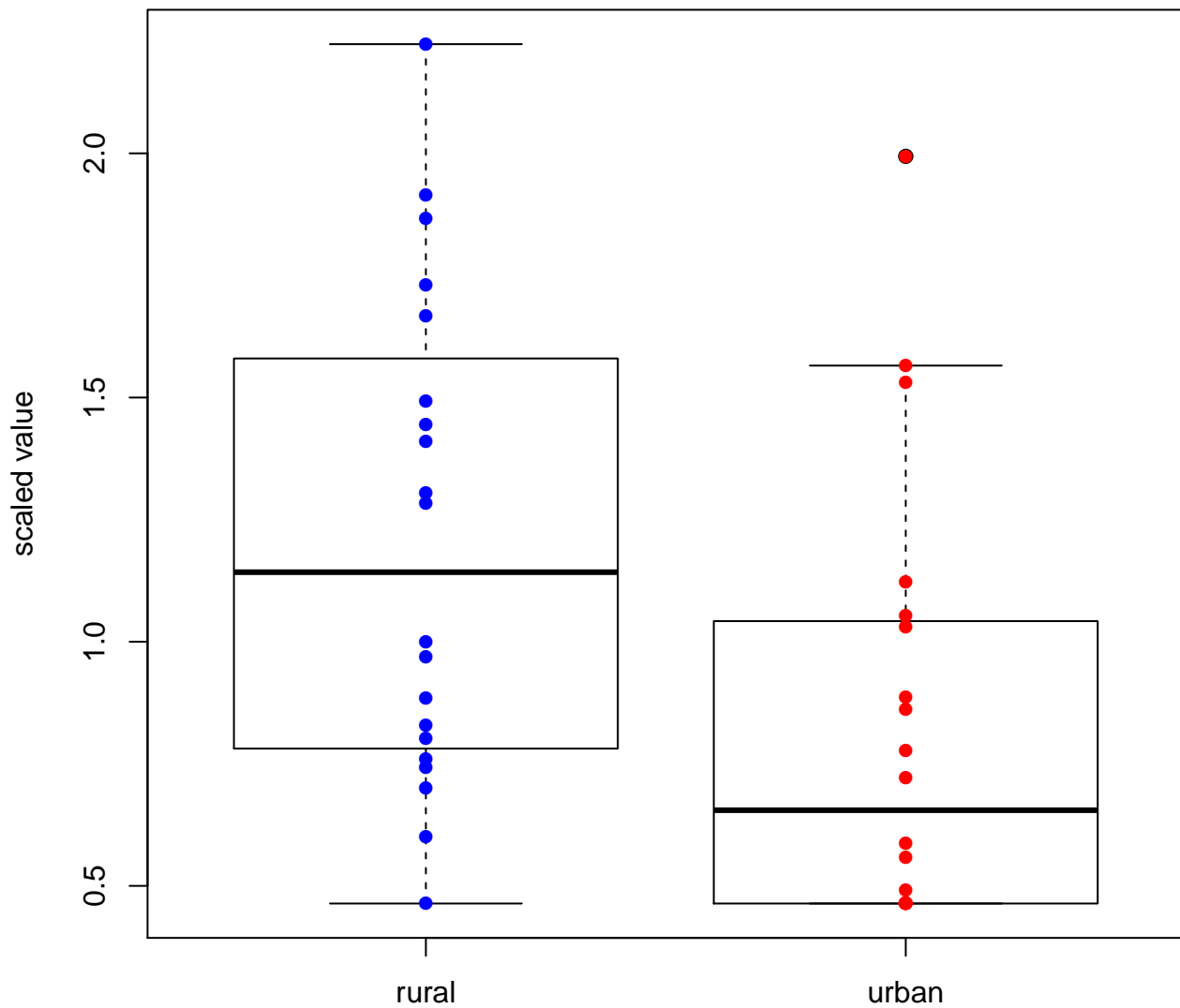


metabolite: gamma-glutamylphenylalanine  
pAdjRuralUrban= 0.146



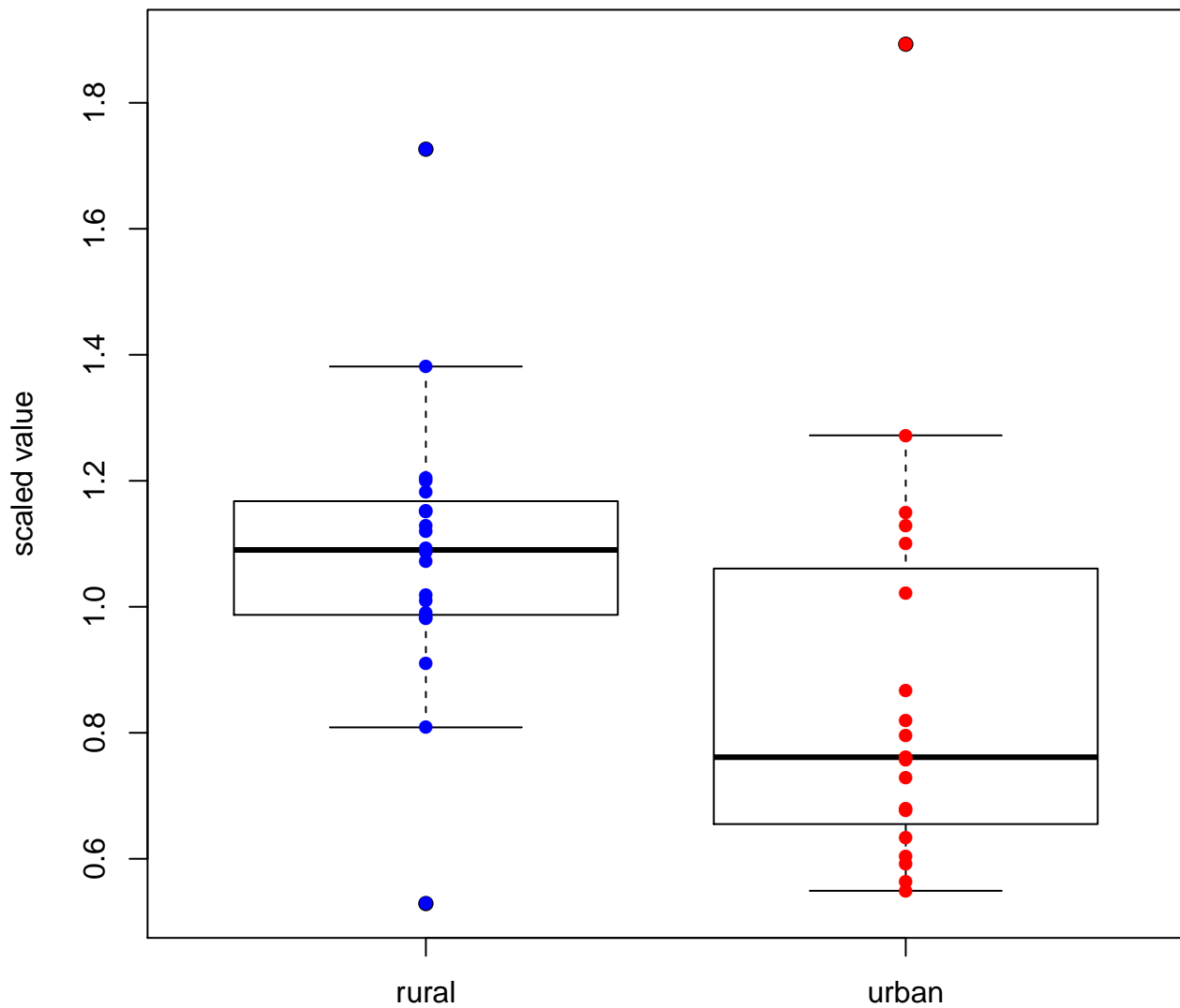
metabolite: stearoylcarnitine

pAdjRuralUrban= 0.146



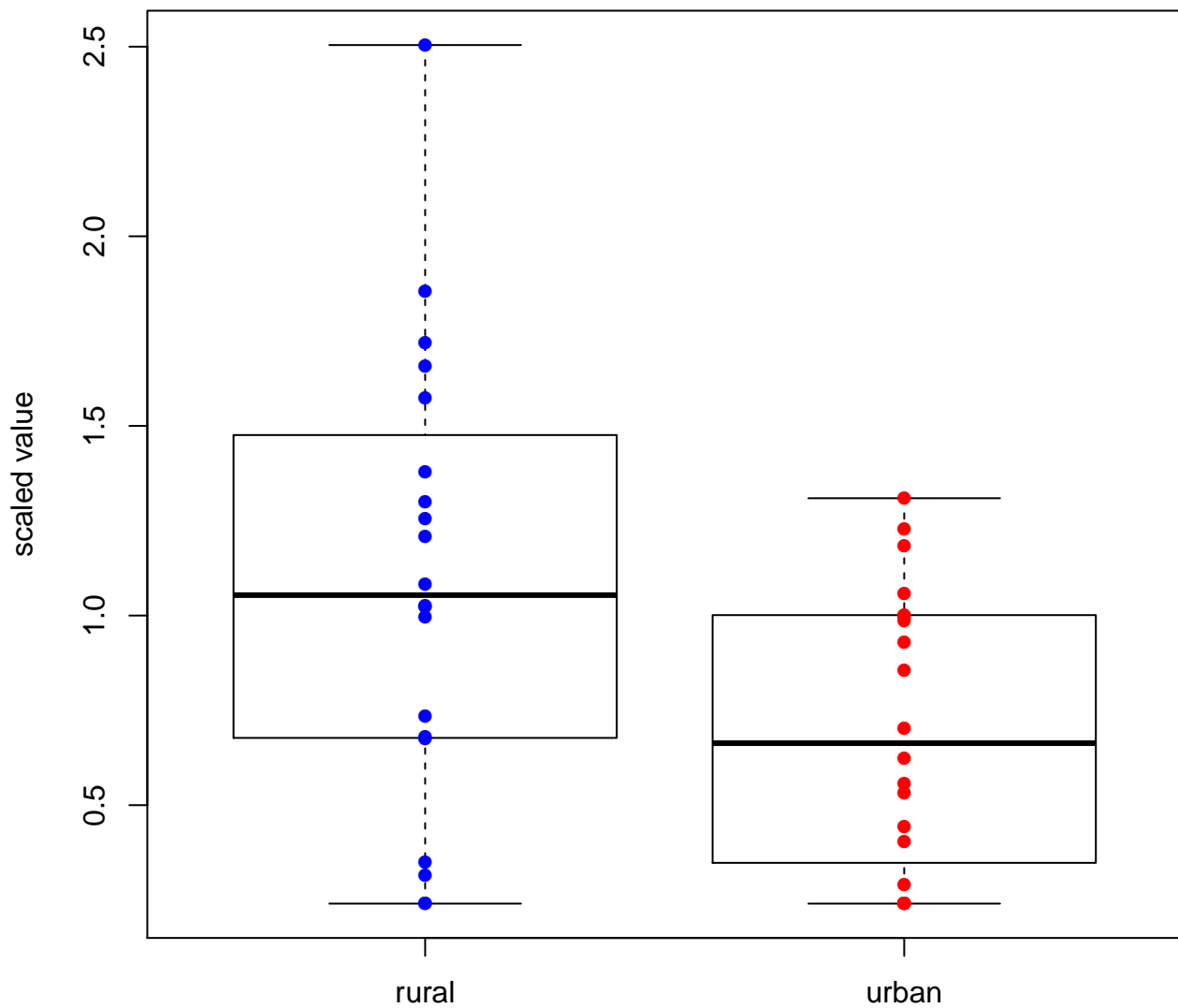
metabolite: 1-linoleoyl-GPC (18:2)

pAdjRuralUrban= 0.164

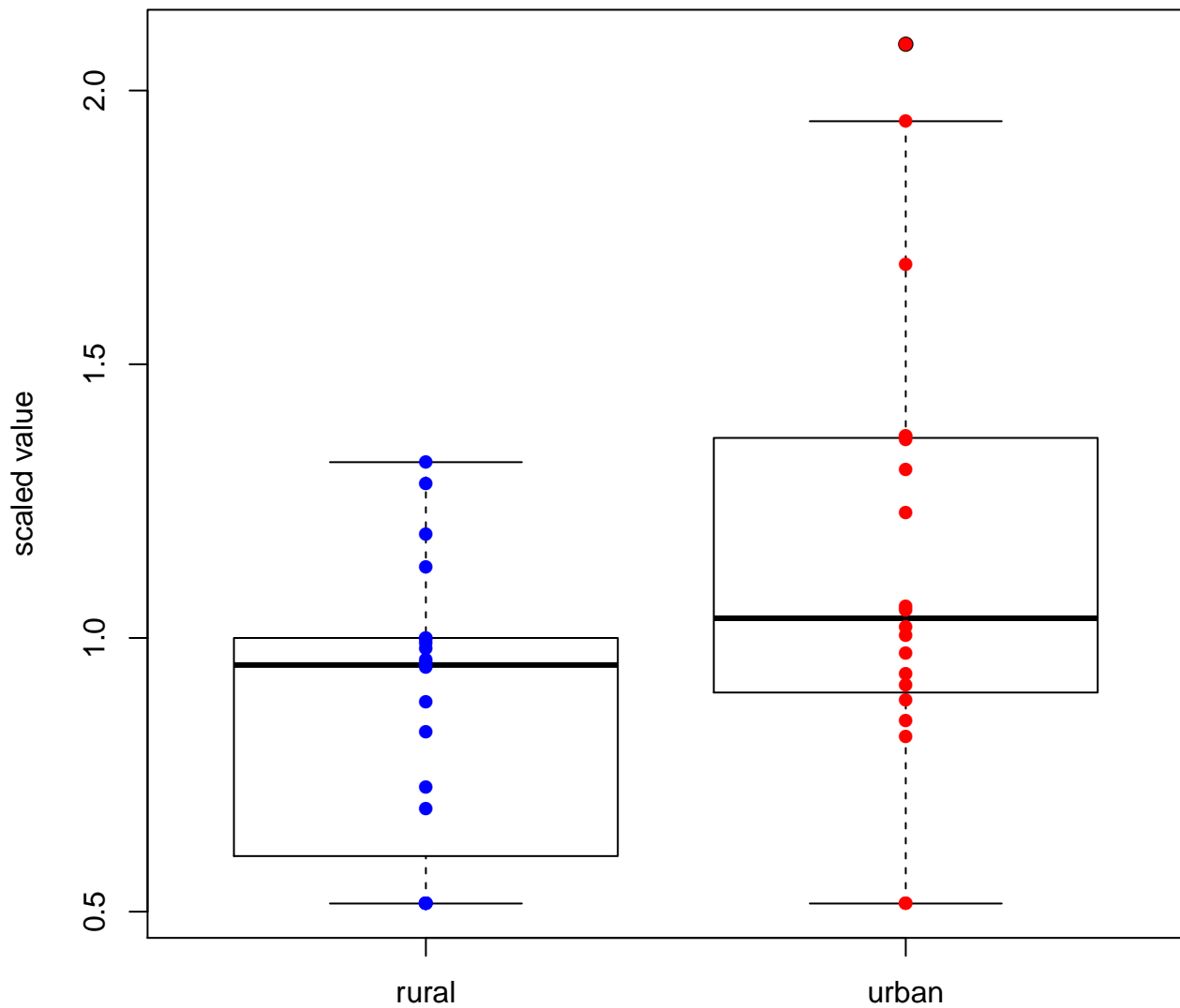


metabolite: ADpSGEGDFXAEGGGVR

pAdjRuralUrban= 0.164

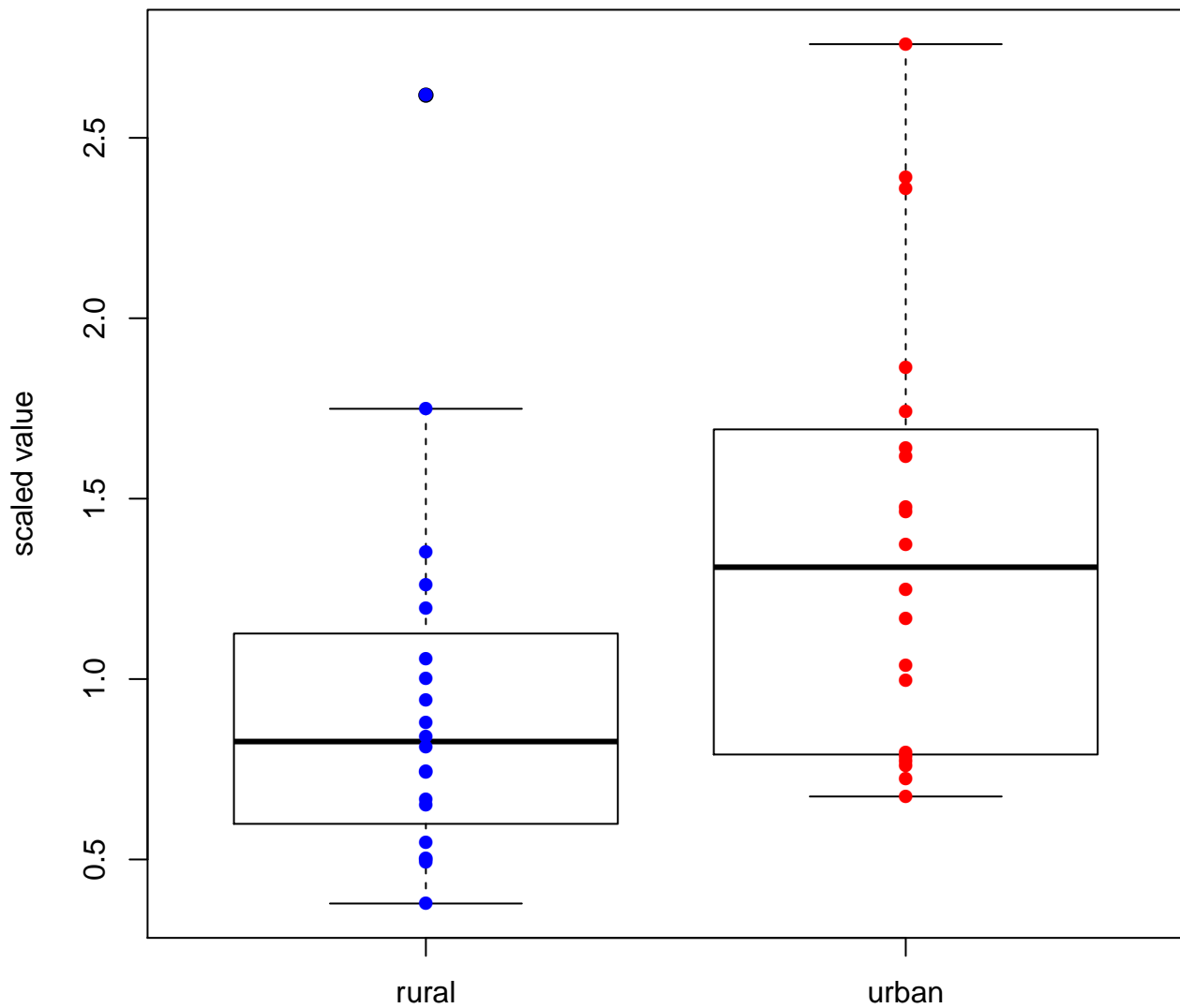


metabolite: N2,N2-dimethylguanosine  
pAdjRuralUrban= 0.164



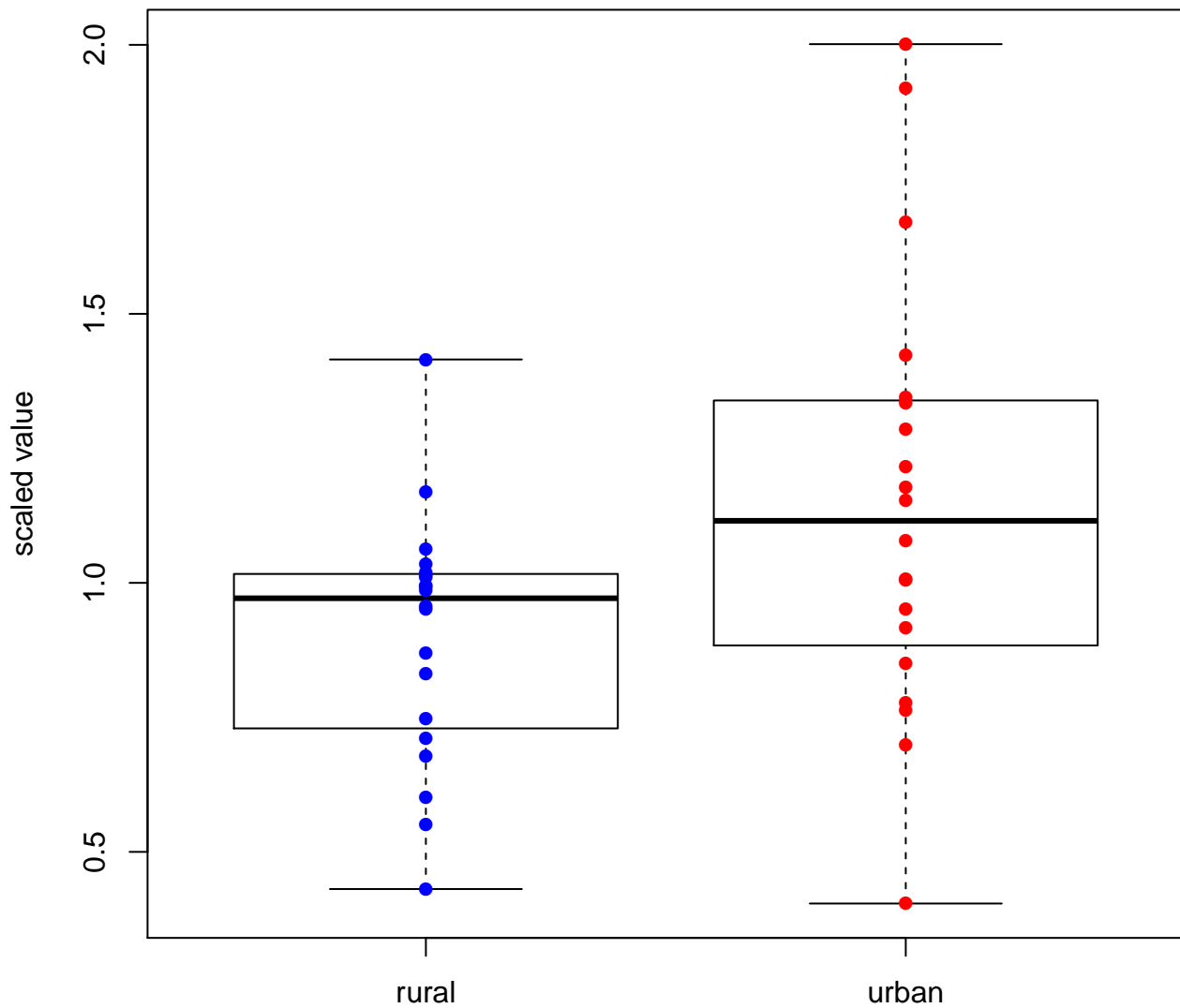
metabolite: eicosenoate (20:1)

pAdjRuralUrban= 0.176

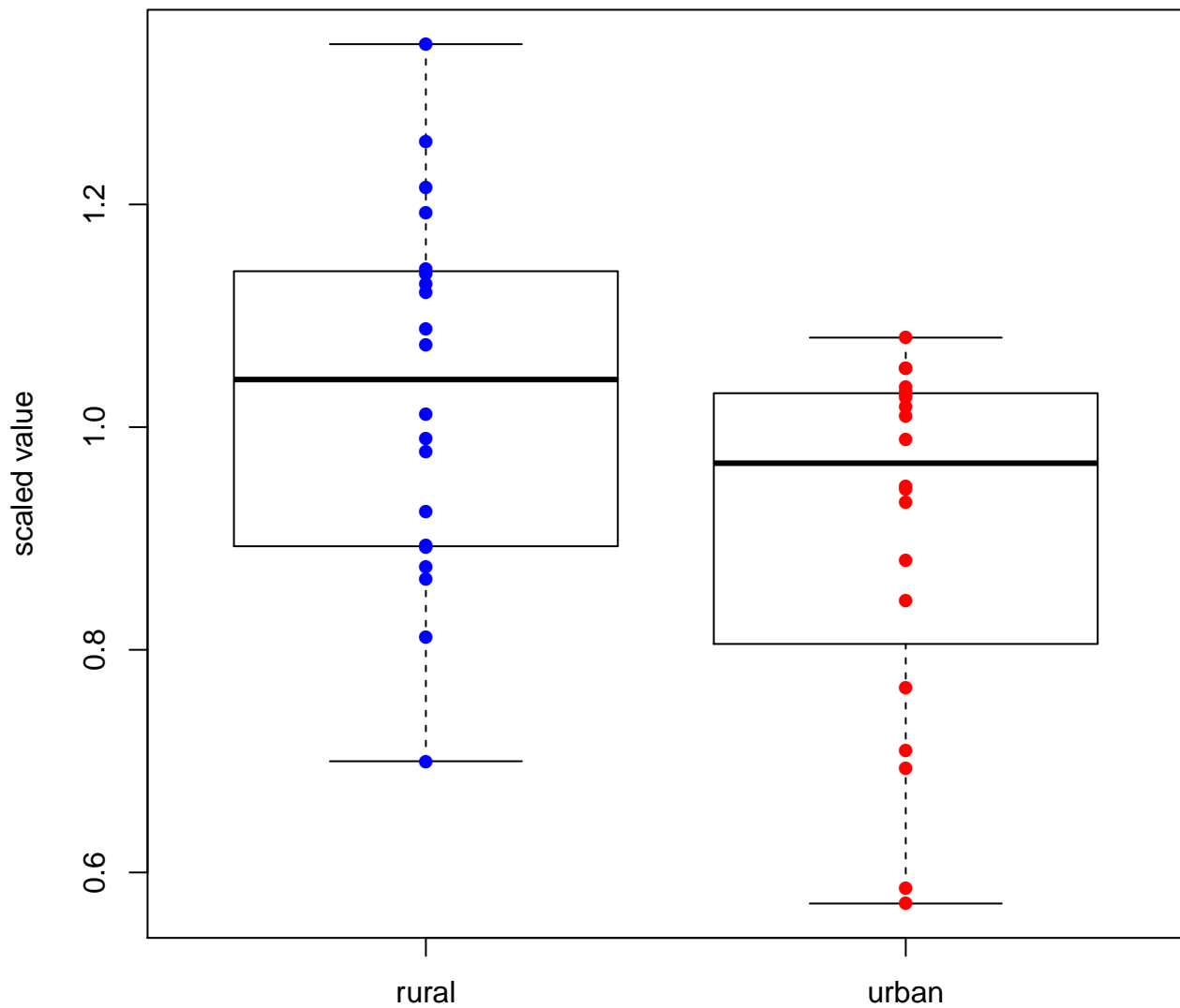


metabolite: dihomolnoleate (20:2n6)

pAdjRuralUrban= 0.182



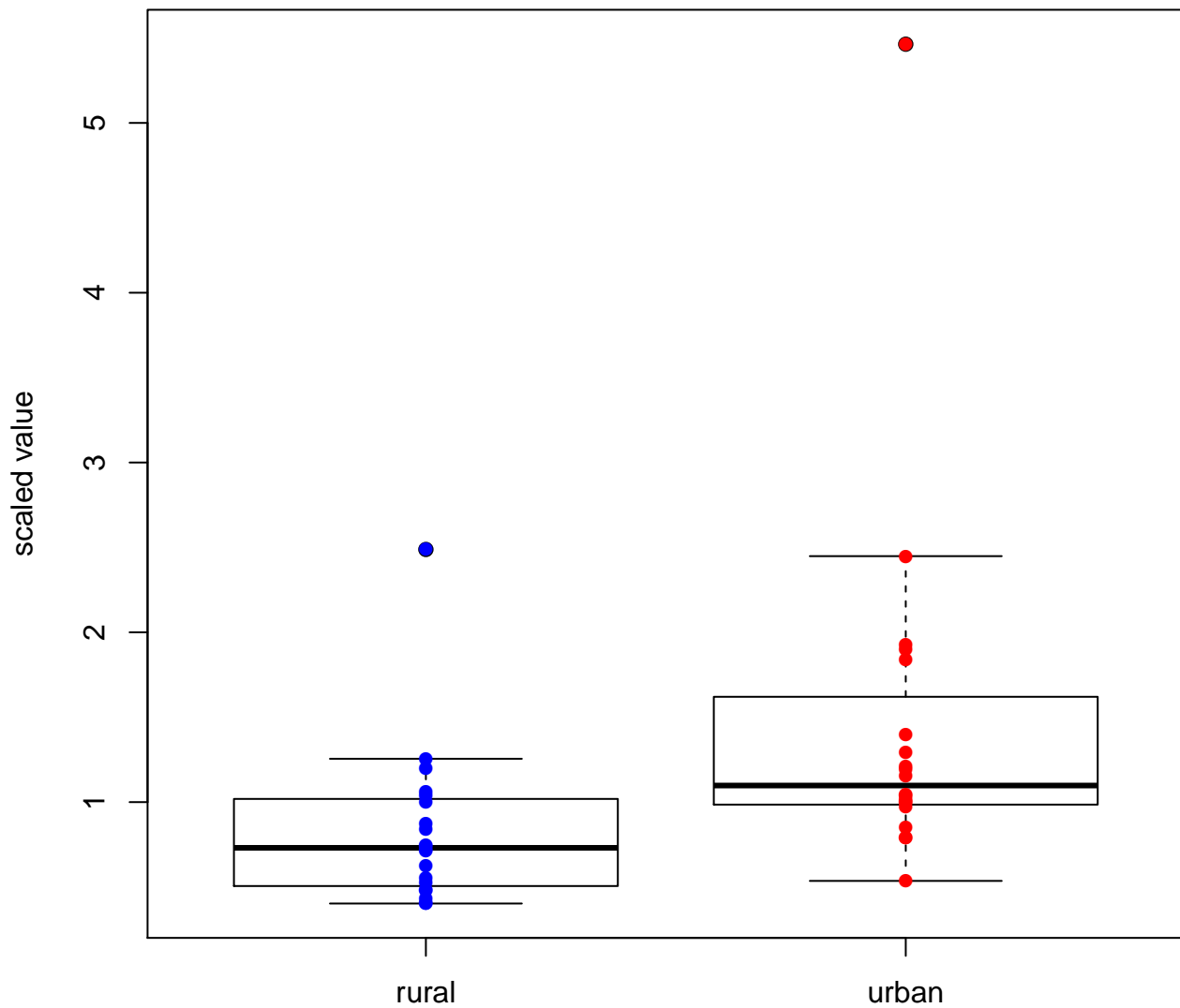
metabolite: 2-hydroxystearate  
pAdjRuralUrban= 0.182



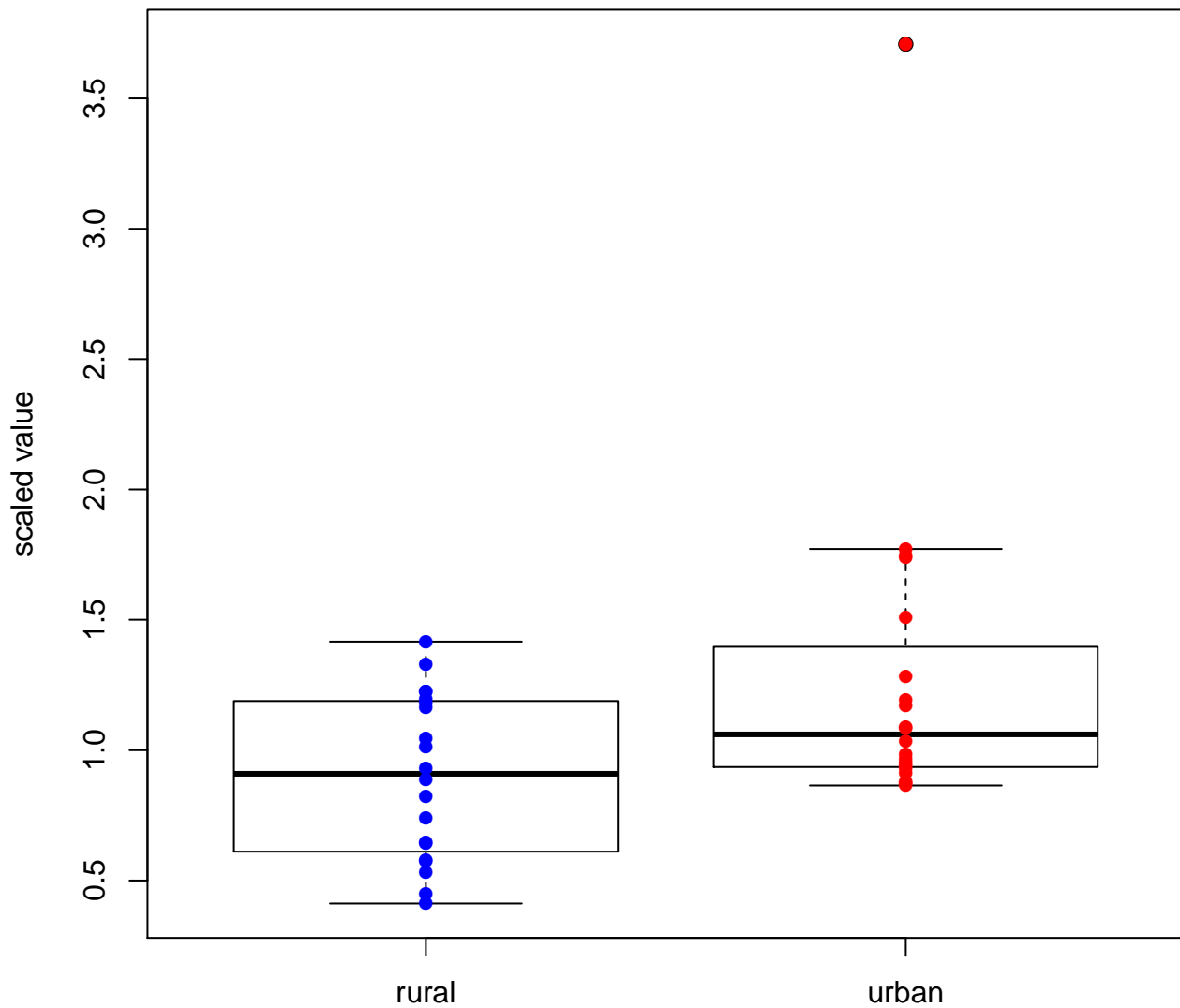


metabolite: 3-hydroxybutyrylcarnitine (1)

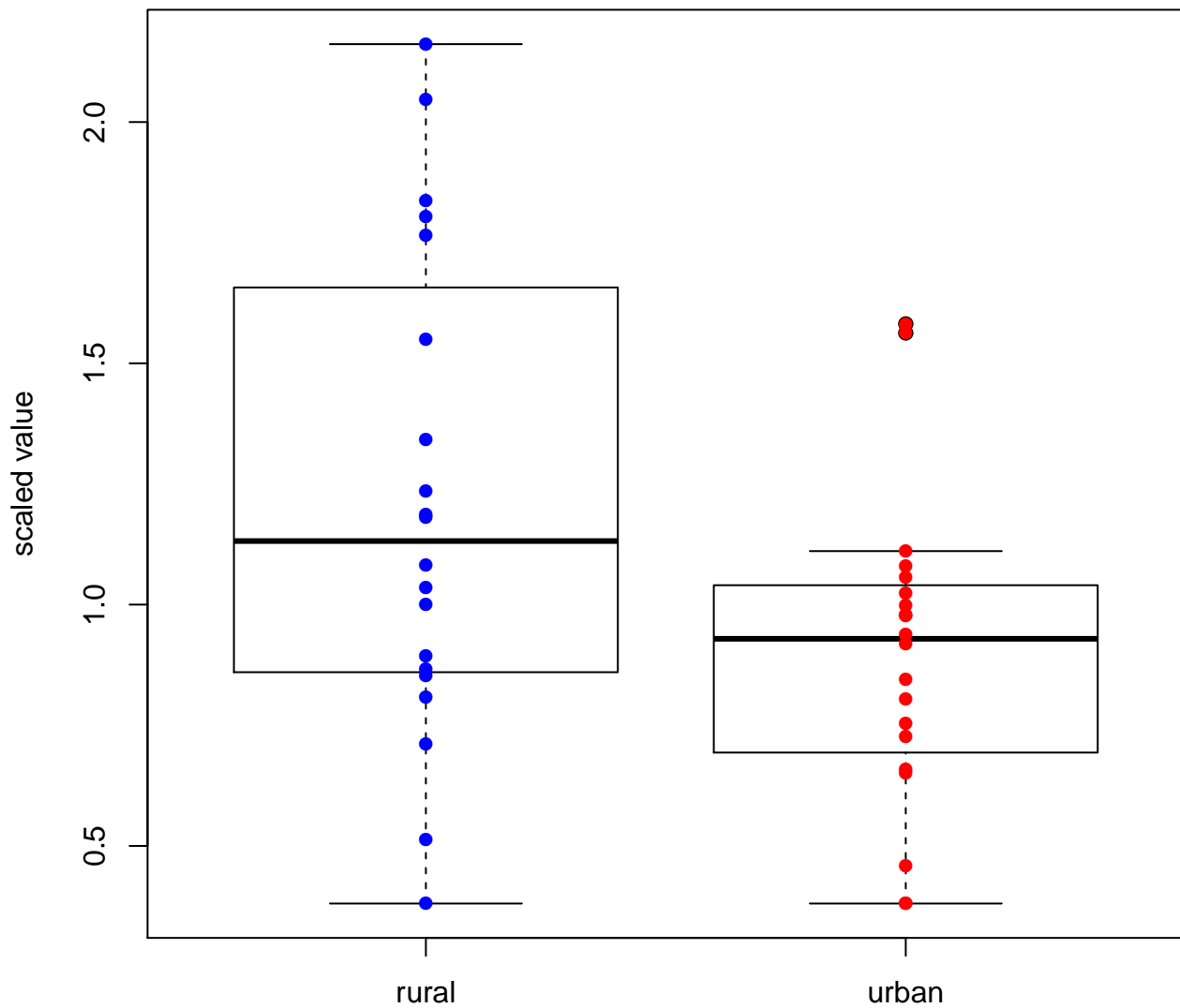
pAdjRuralUrban= 0.182



metabolite: glycerol  
pAdjRuralUrban= 0.182

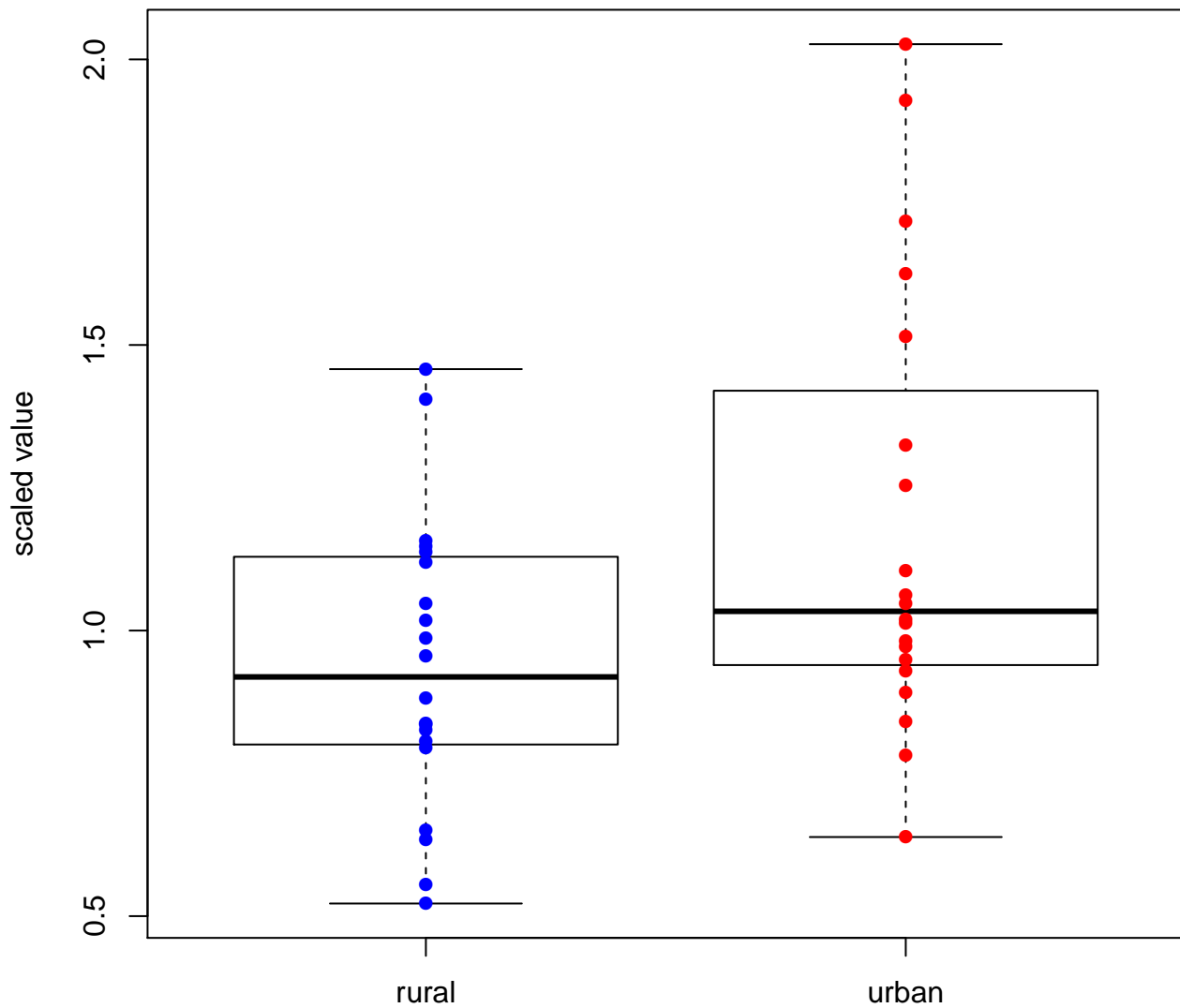


metabolite: linoleate, methyl ester  
pAdjRuralUrban= 0.182



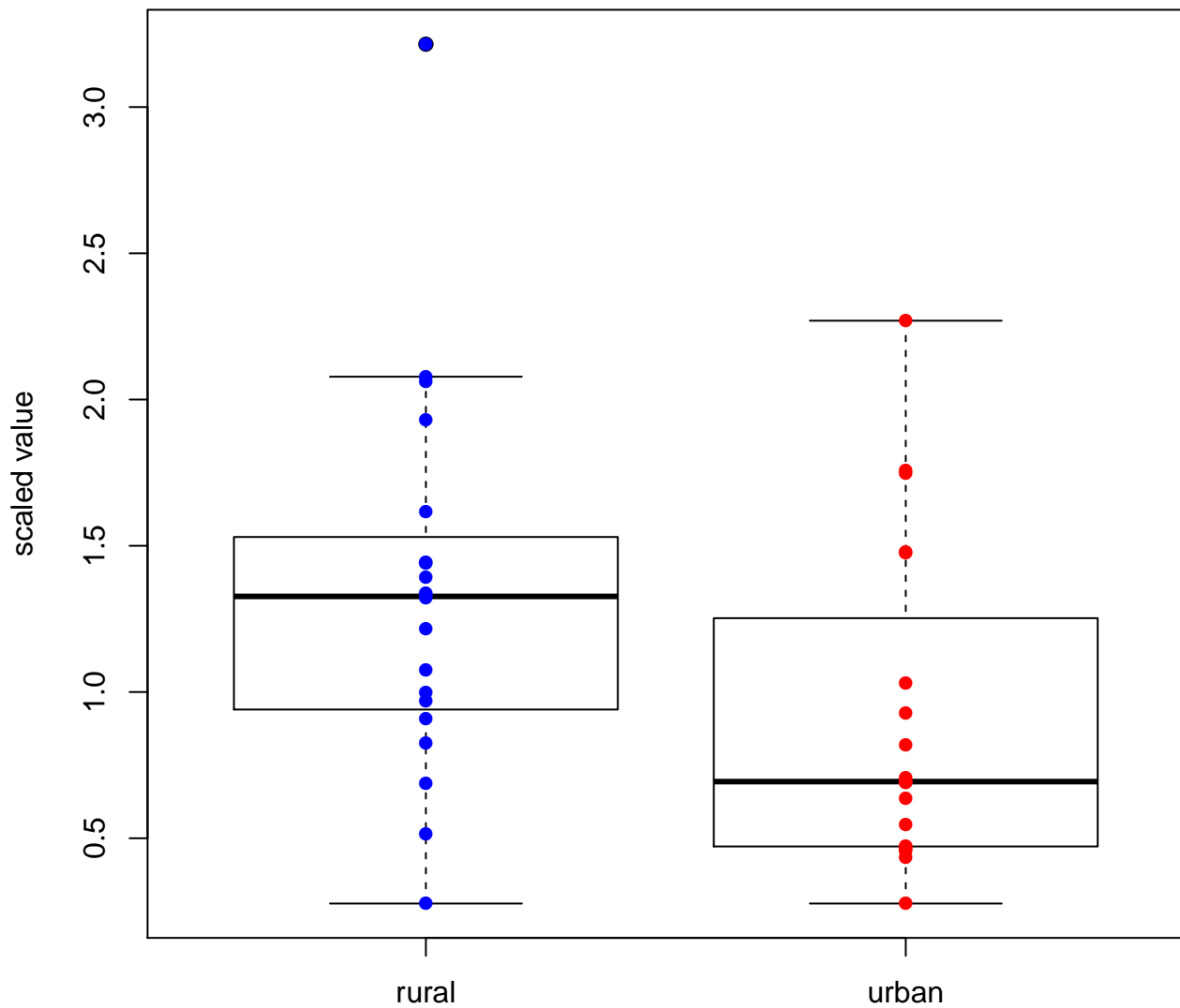
metabolite: oleate (18:1n9)

pAdjRuralUrban= 0.189

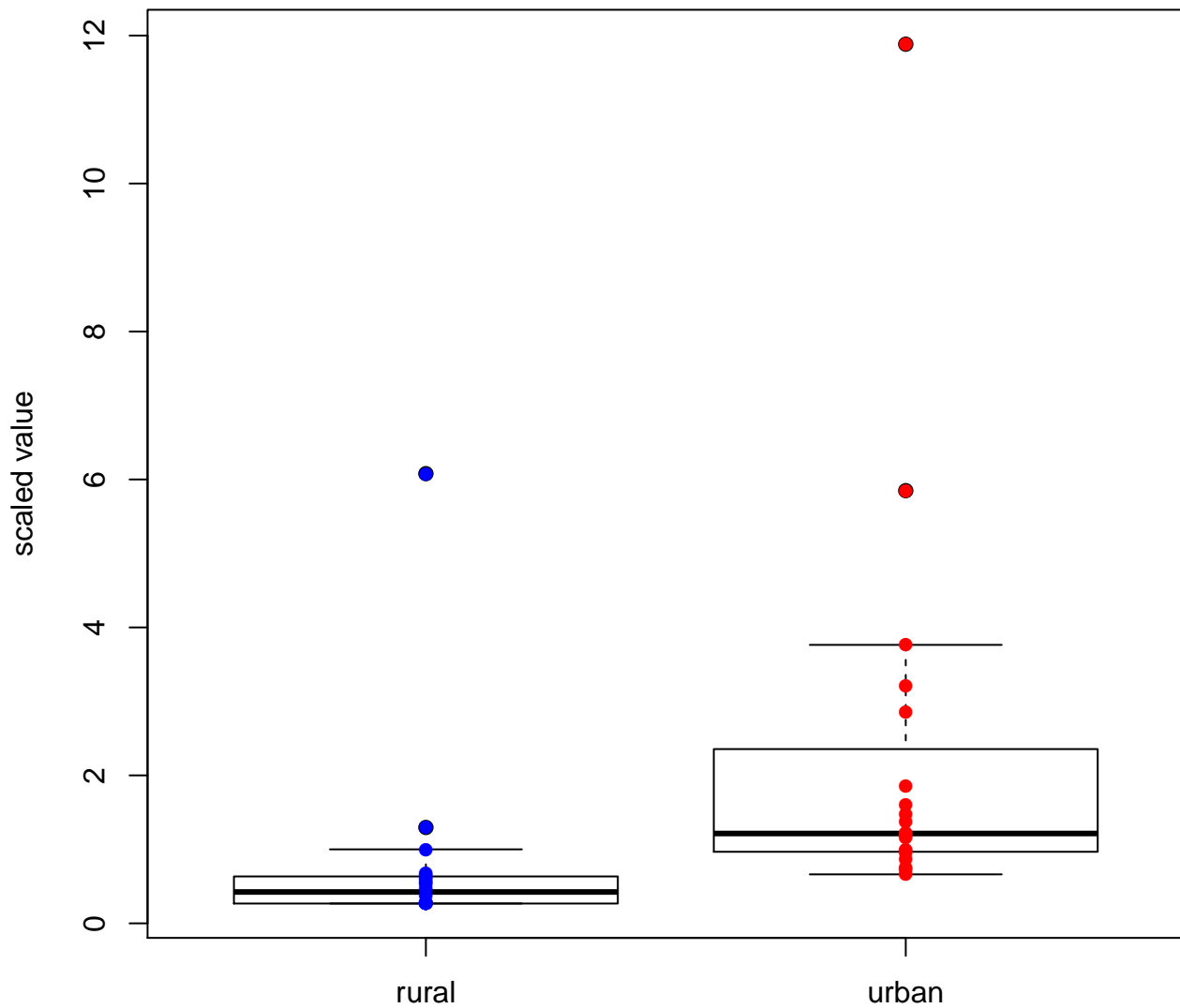


metabolite: 1-linolenoyl-GPC (18:3)

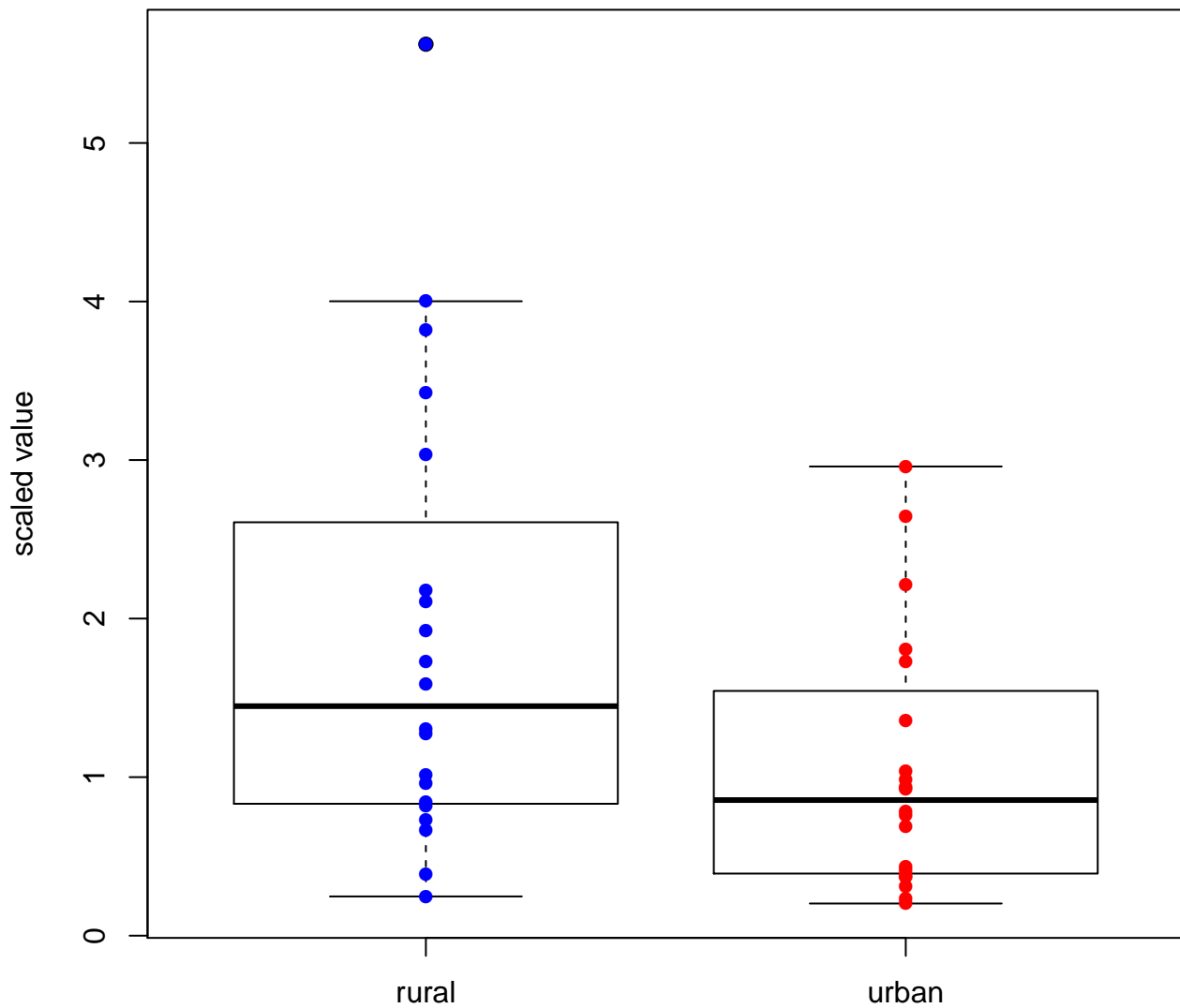
pAdjRuralUrban= 0.201



metabolite: 4-hydroxychlorothalonil  
pAdjRuralUrban= 0.201

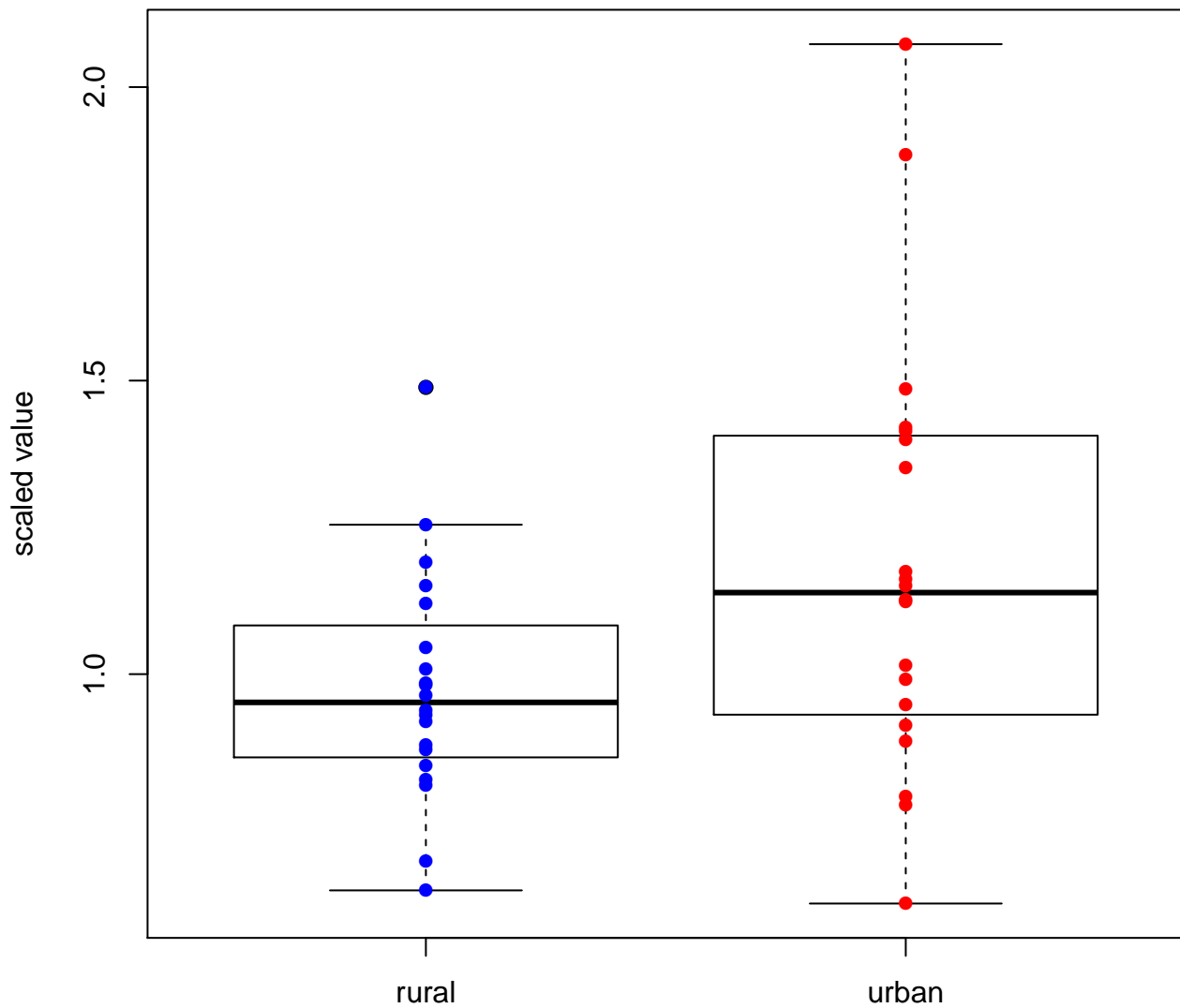


metabolite: hippurate  
pAdjRuralUrban= 0.201



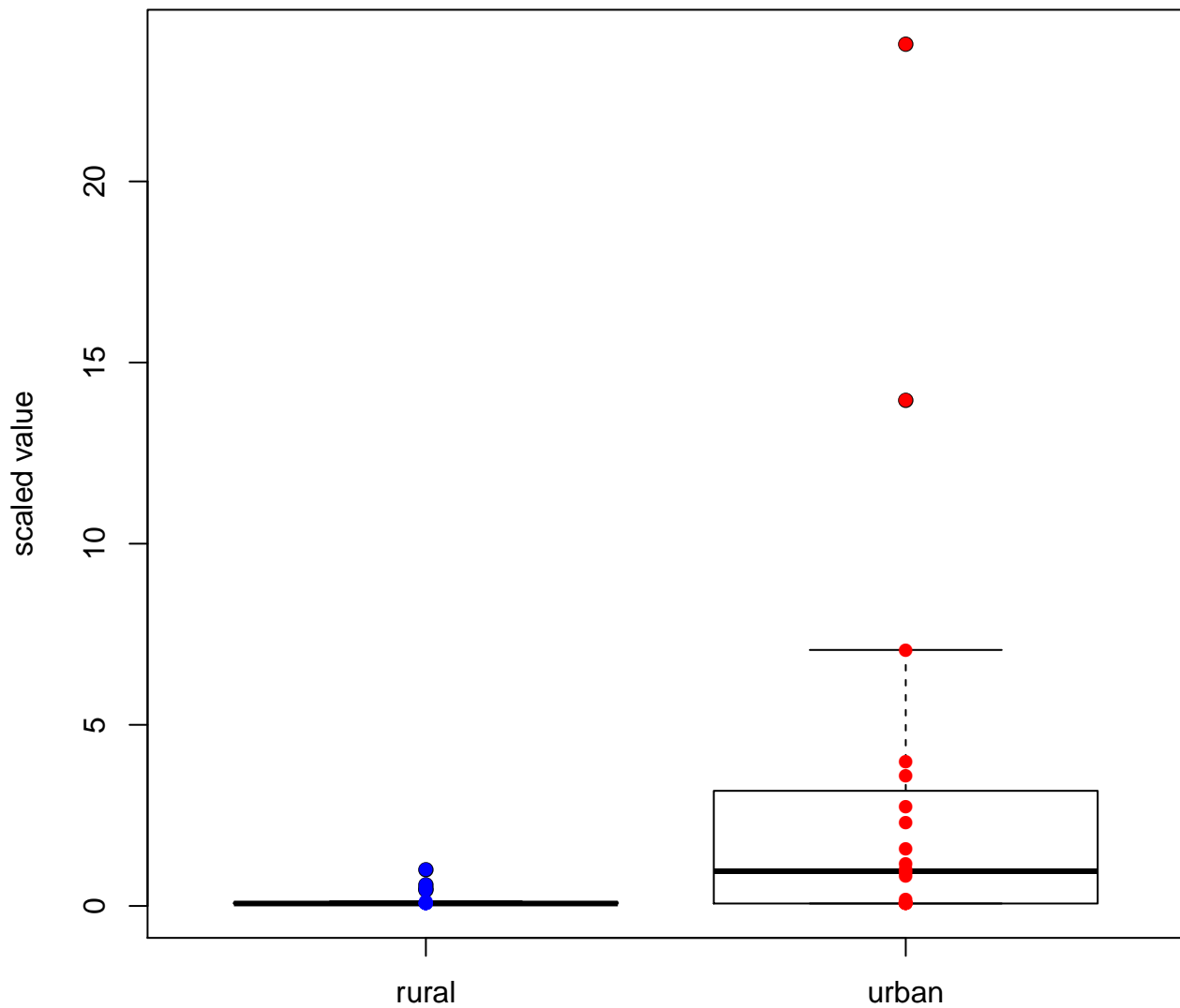
metabolite: margarate (17:0)

pAdjRuralUrban= 0.201

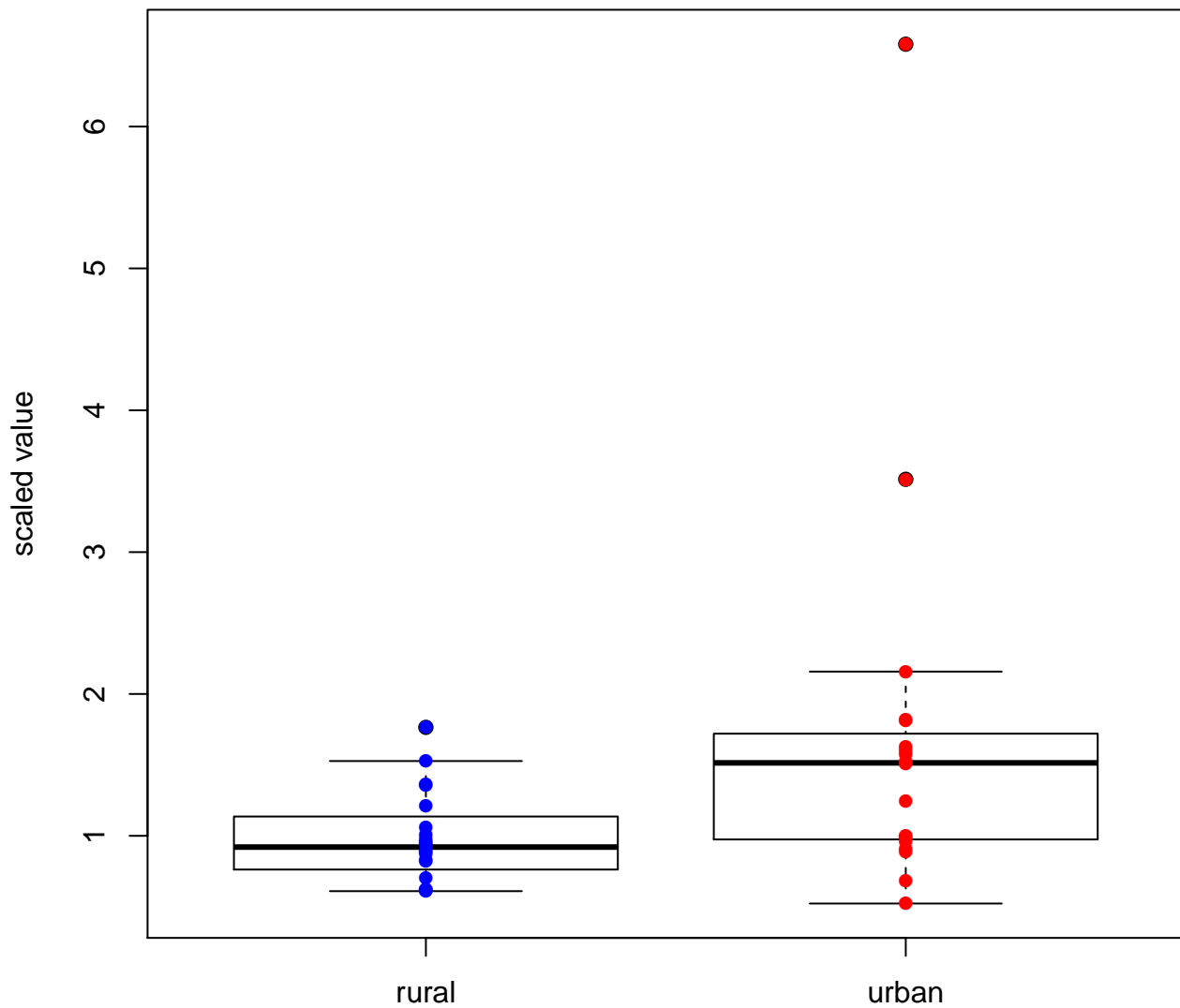




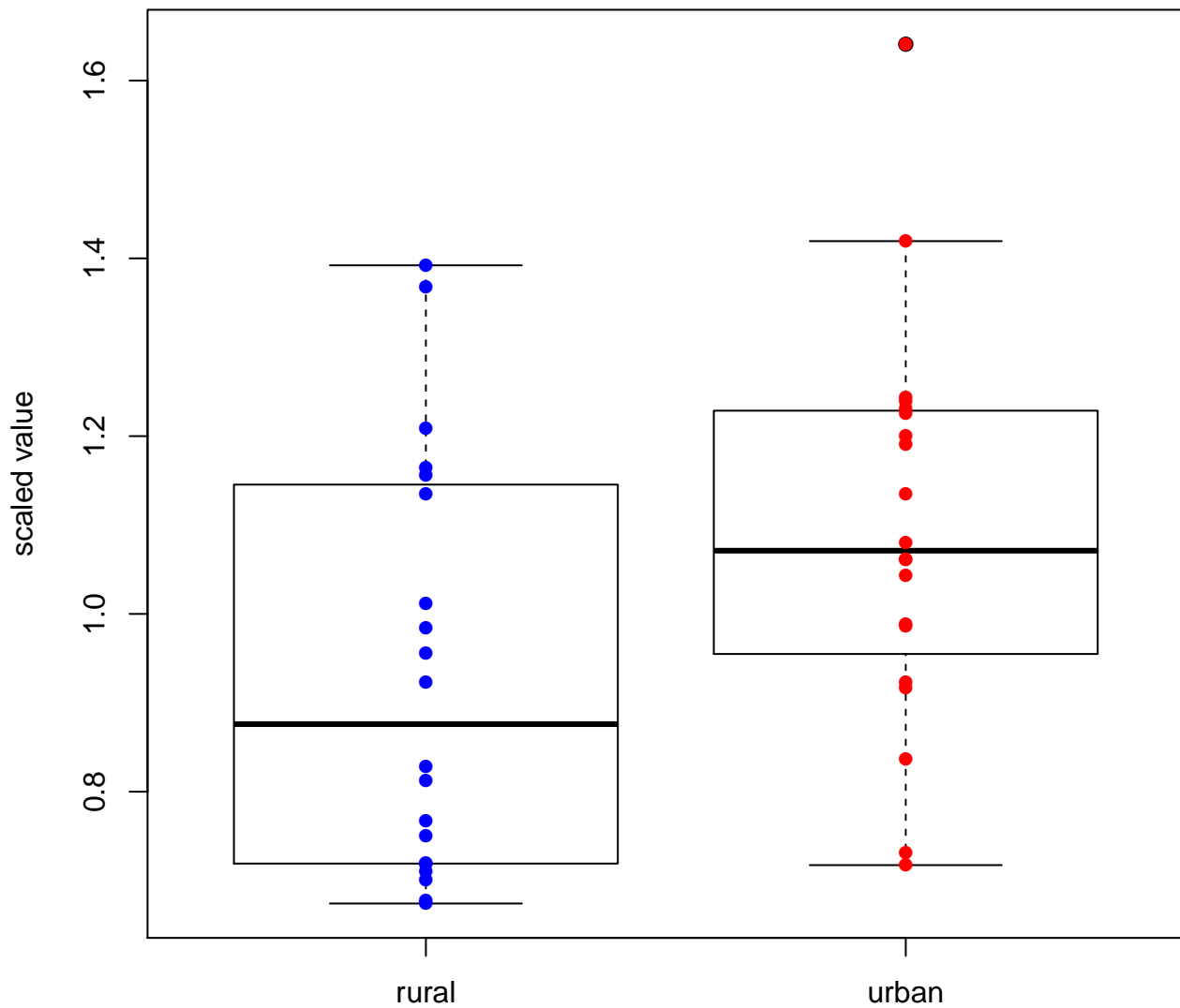
metabolite: paraxanthine  
pAdjRuralUrban= 0.201



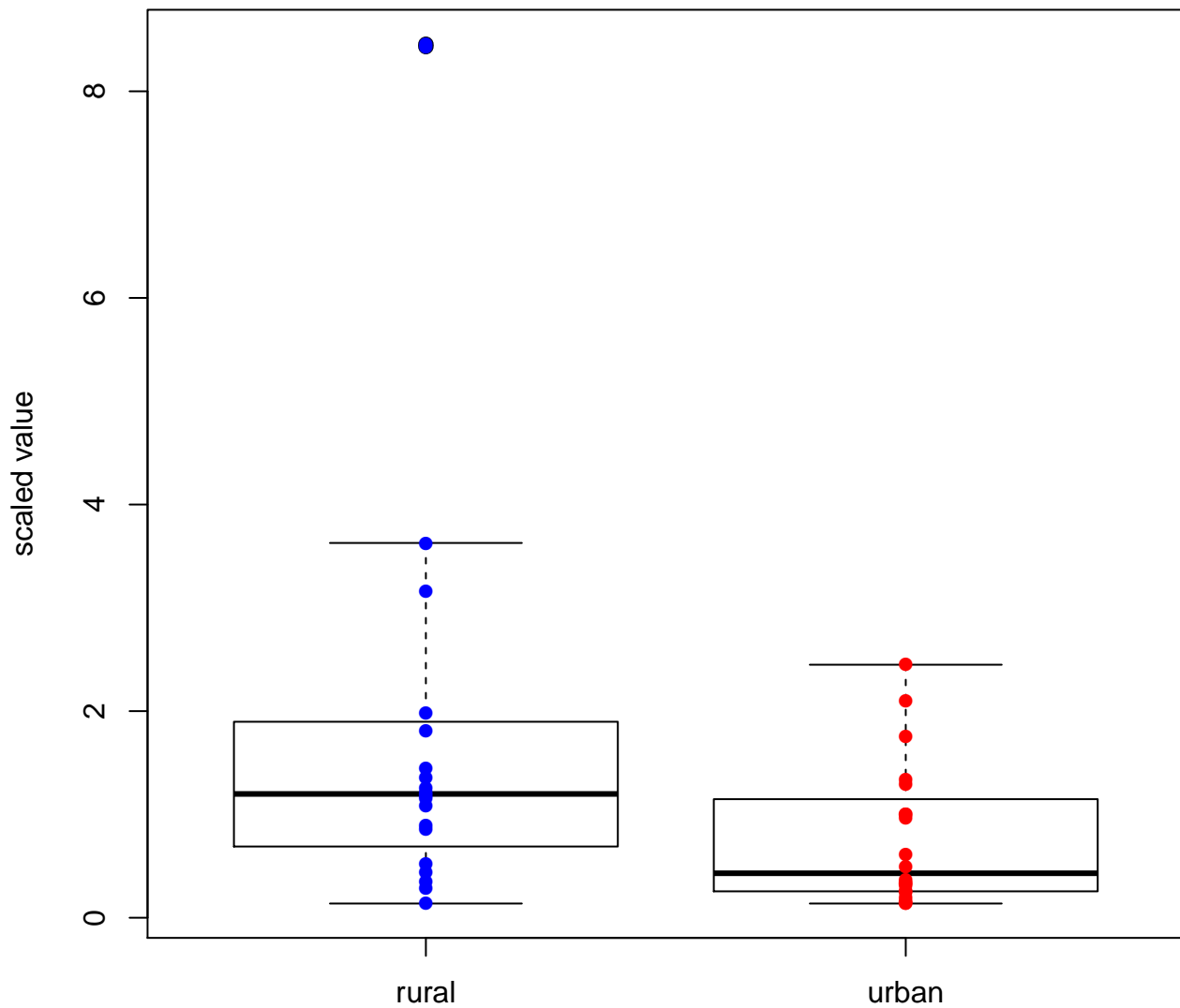
metabolite: S-methylcysteine  
pAdjRuralUrban= 0.201



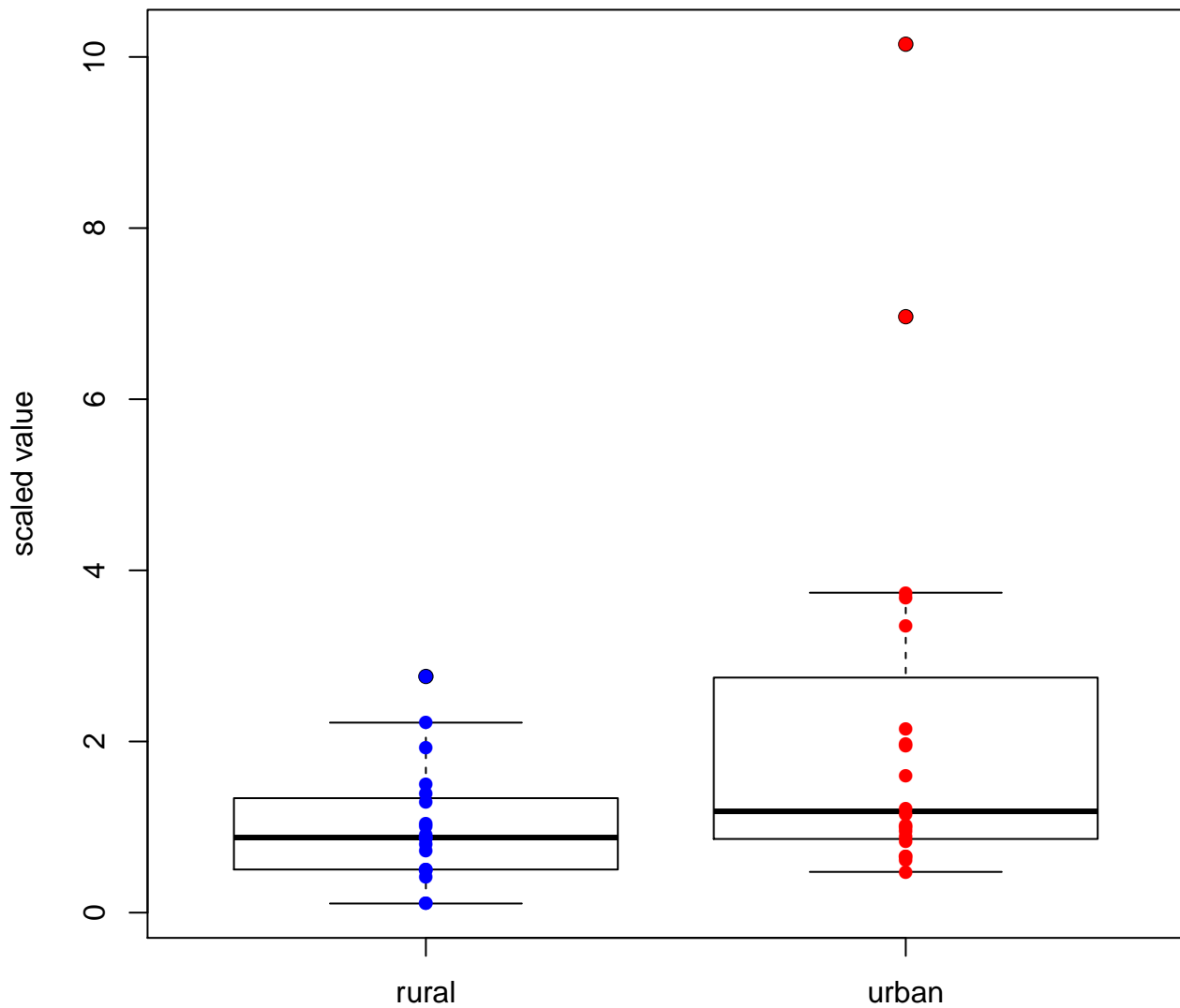
metabolite: proline  
pAdjRuralUrban= 0.207



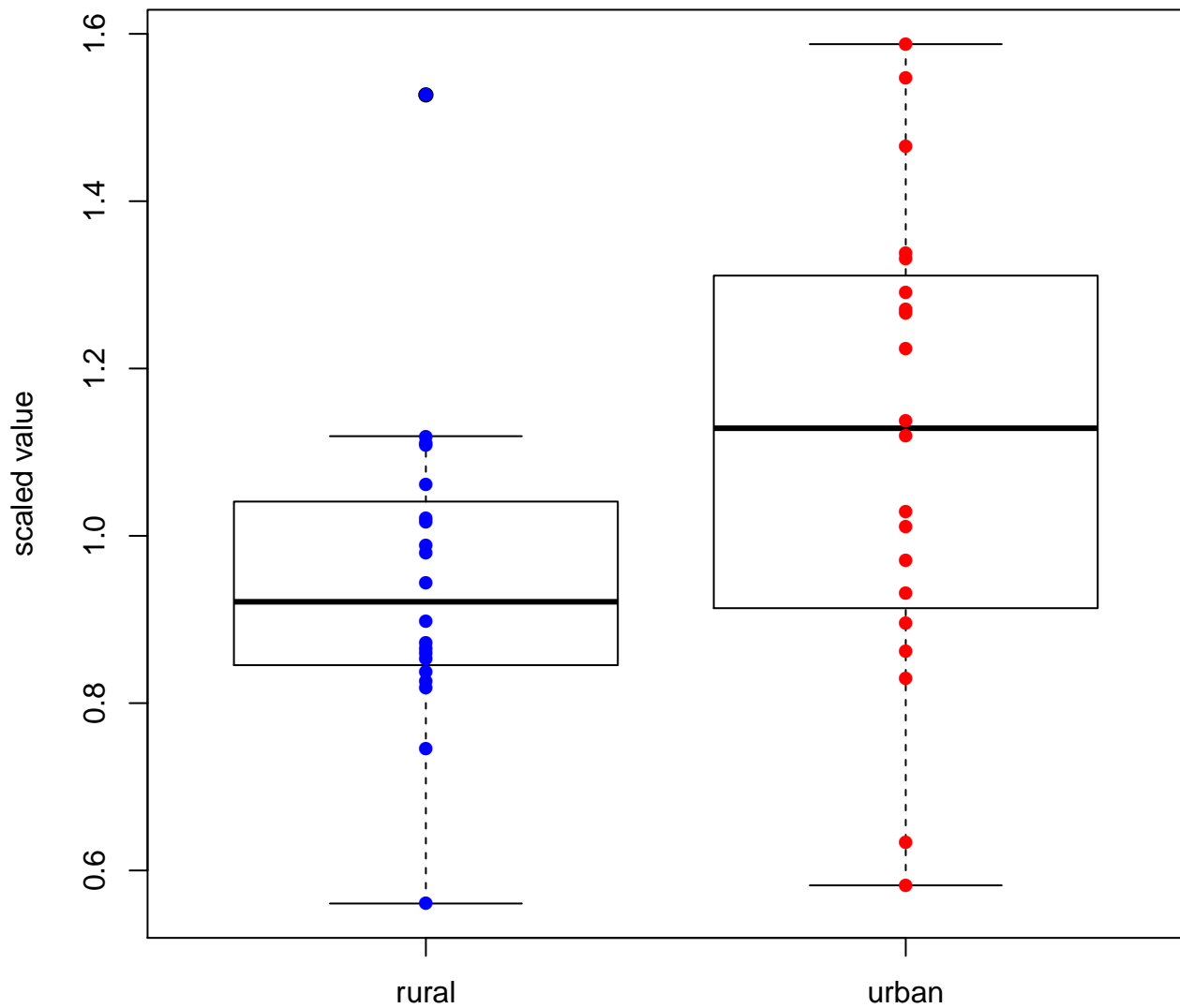
metabolite: 5alpha-androstan-3beta,17beta-diol disulfate  
pAdjRuralUrban= 0.221



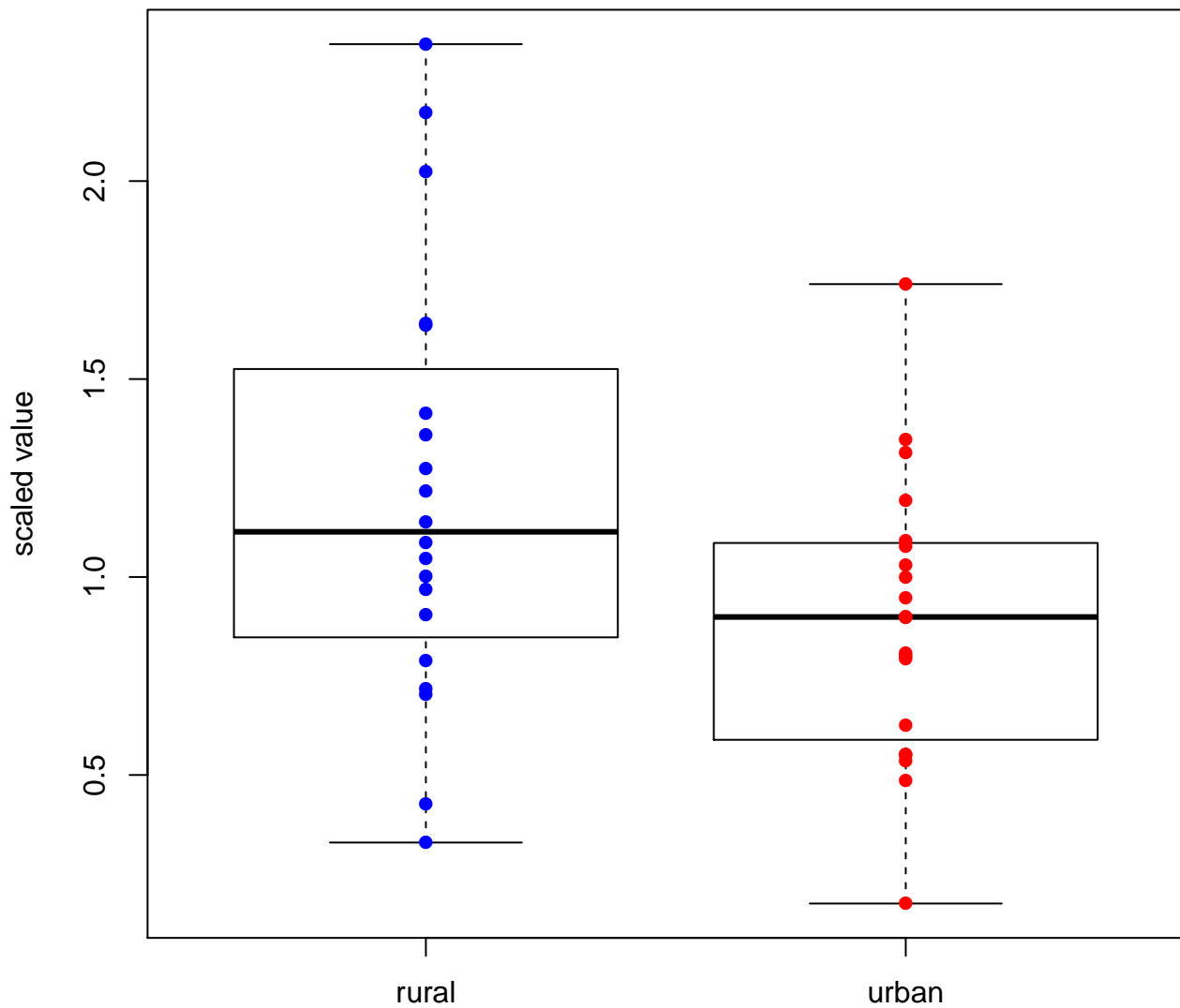
metabolite: andro steroid monosulfate 2  
pAdjRuralUrban= 0.221



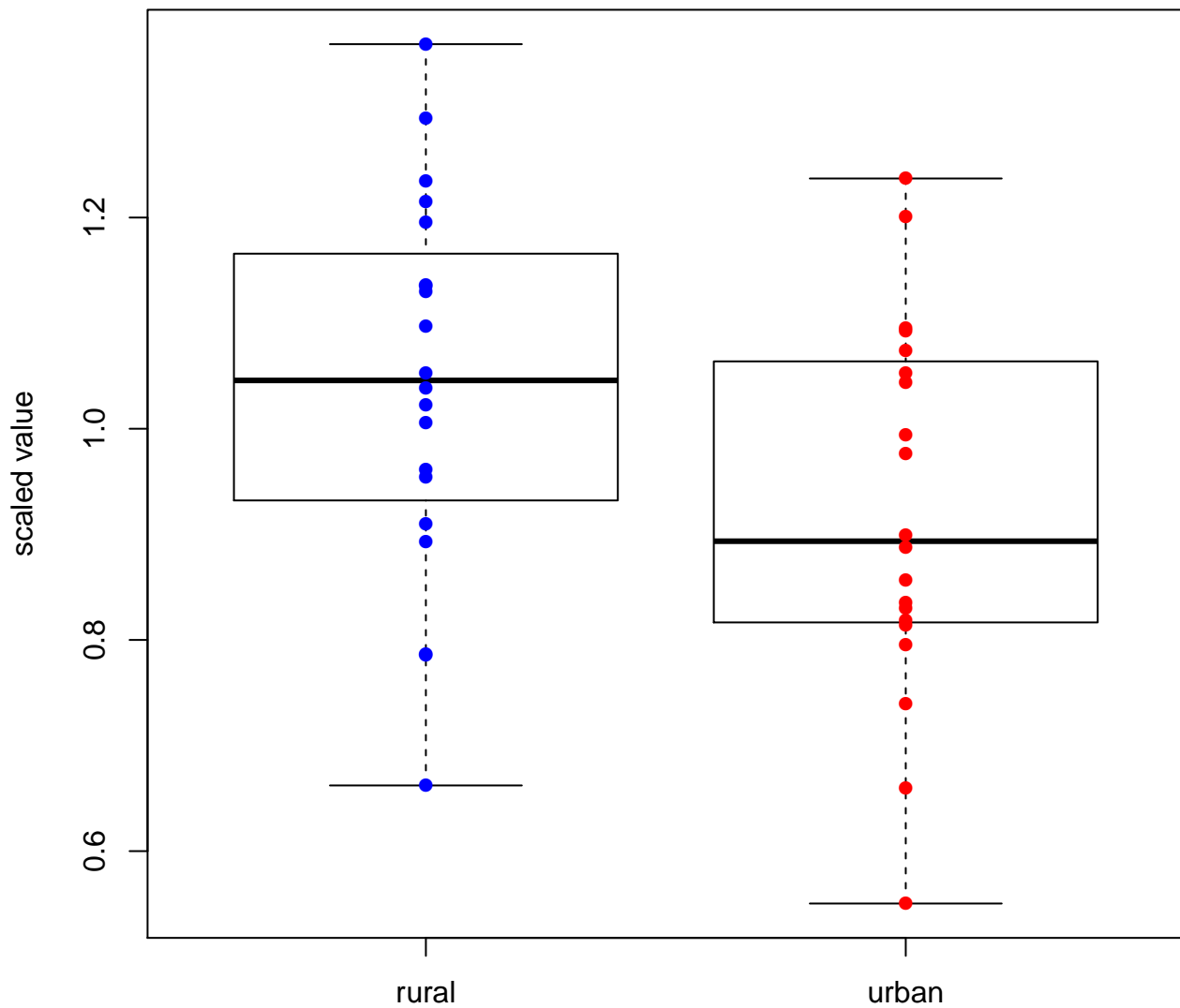
metabolite: erythritol  
pAdjRuralUrban= 0.221



metabolite: threonate  
pAdjRuralUrban= 0.221

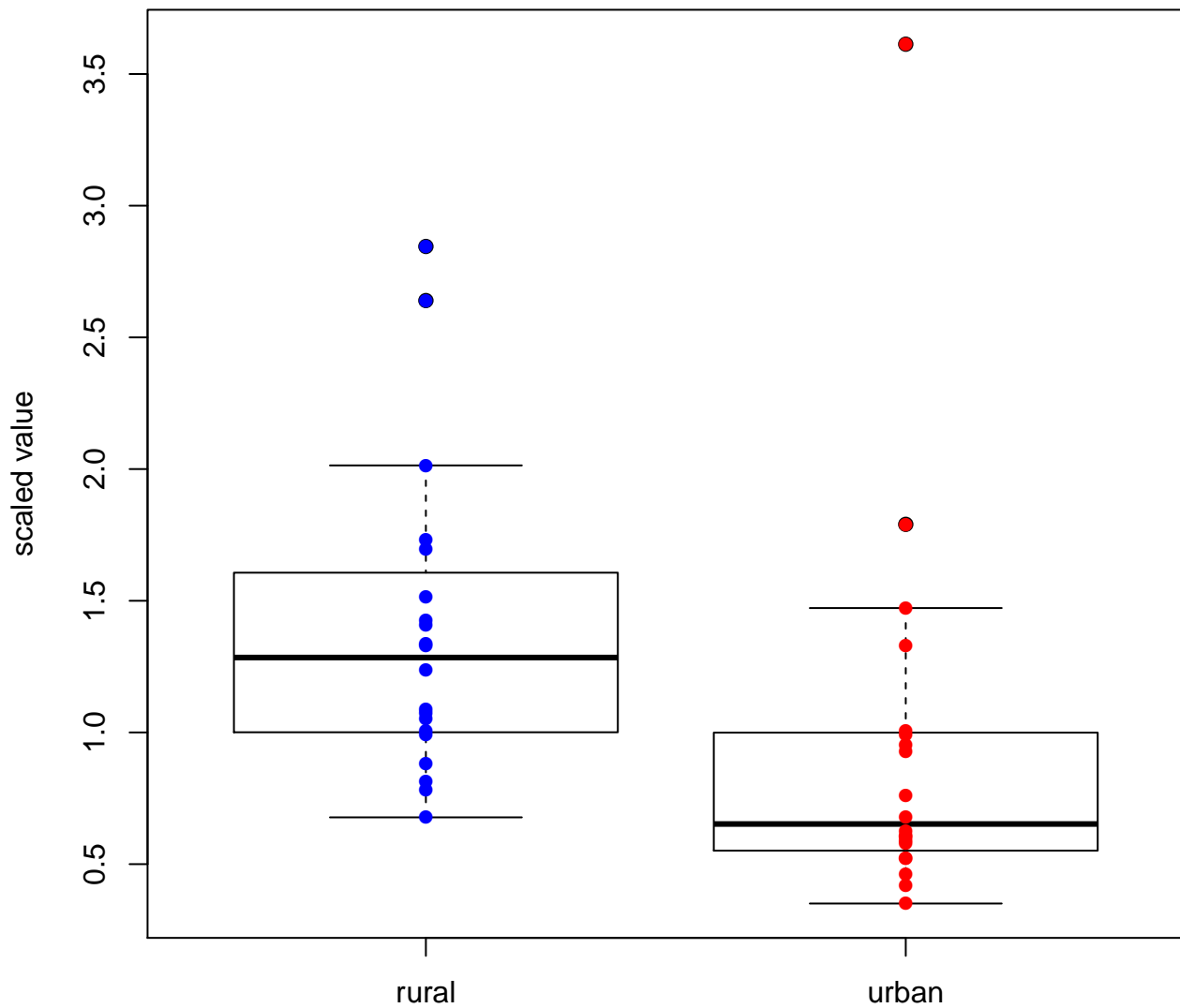


metabolite: arginine  
pAdjRuralUrban= 0.234

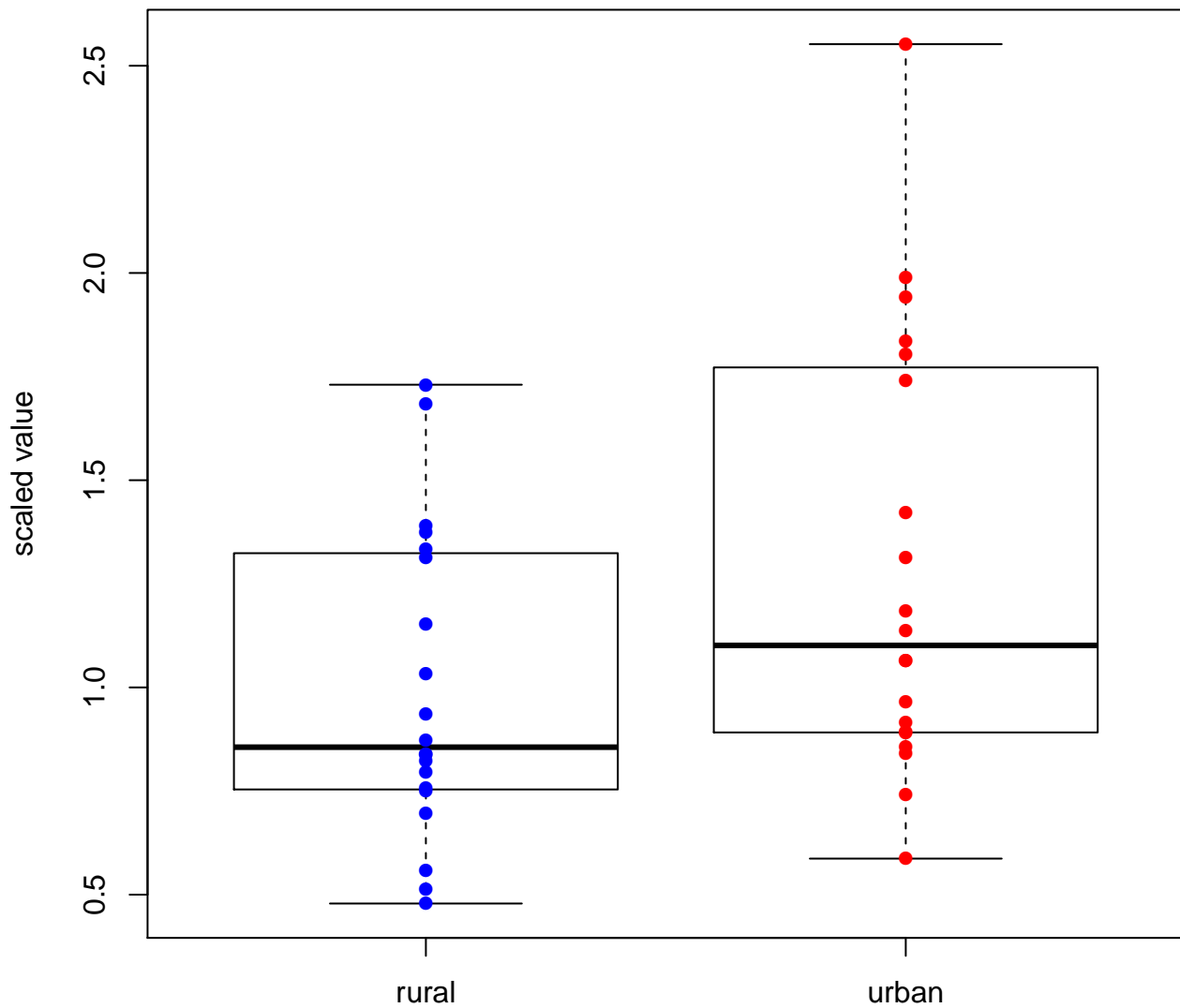




**metabolite: 2-palmitoyl-GPC (16:0)**  
**pAdjRuralUrban= 0.252**

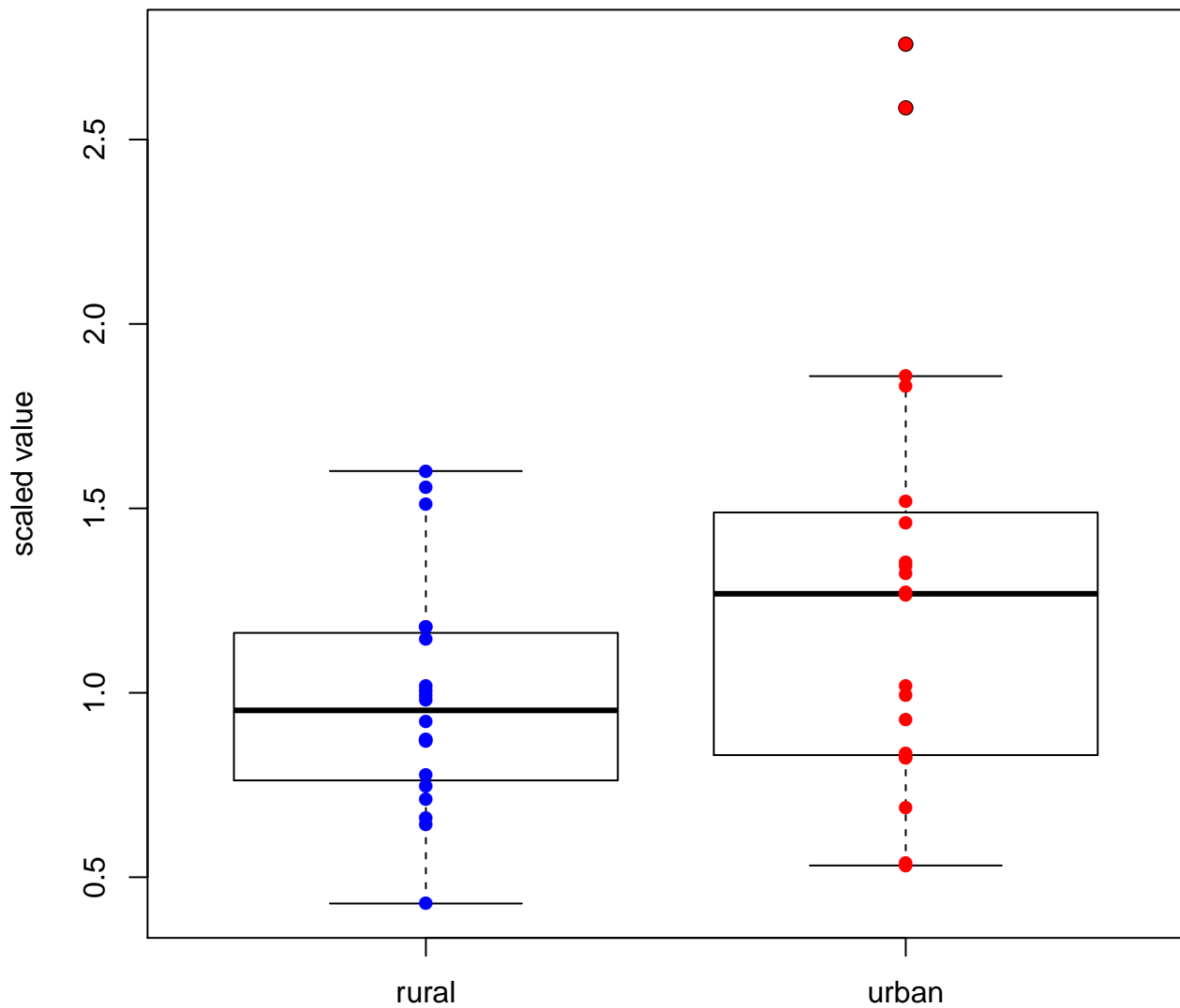


metabolite: 10-heptadecenoate (17:1n7)  
pAdjRuralUrban= 0.271



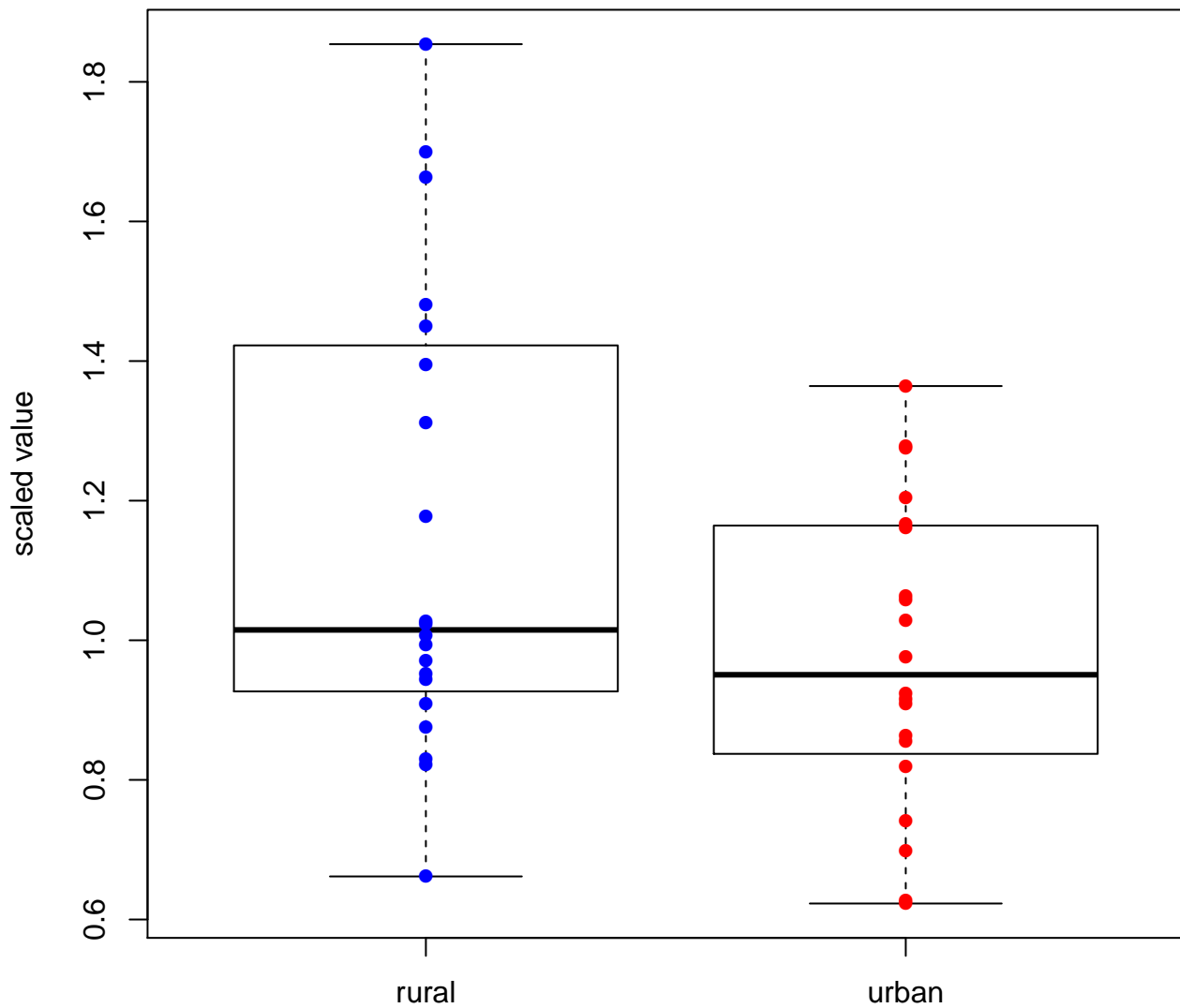
metabolite: 2-hydroxybutyrate (AHB)

pAdjRuralUrban= 0.301



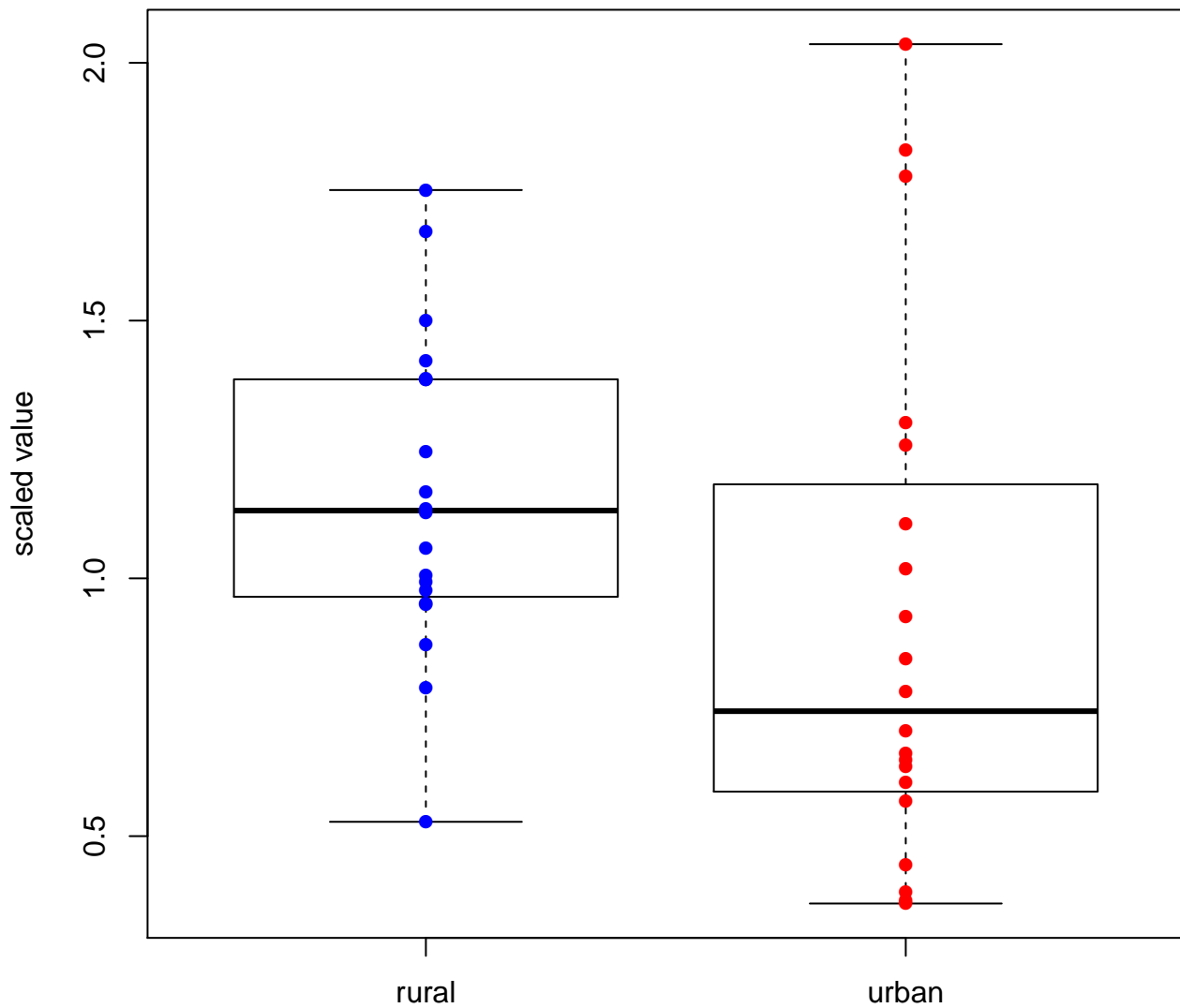
metabolite: 1-arachidonoyl-GPE (20:4)

pAdjRuralUrban= 0.318

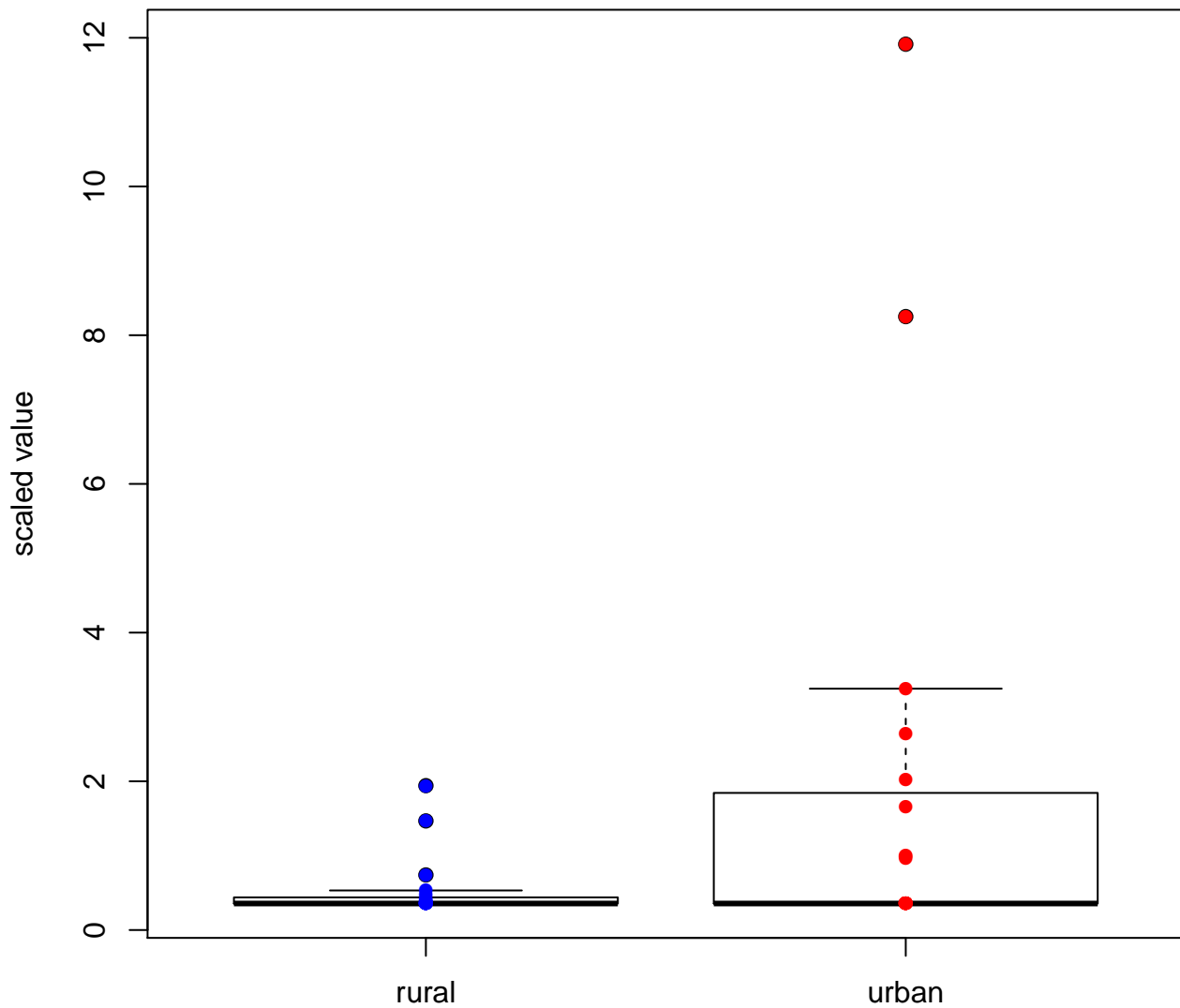


metabolite: 1-stearoyl-GPC (18:0)

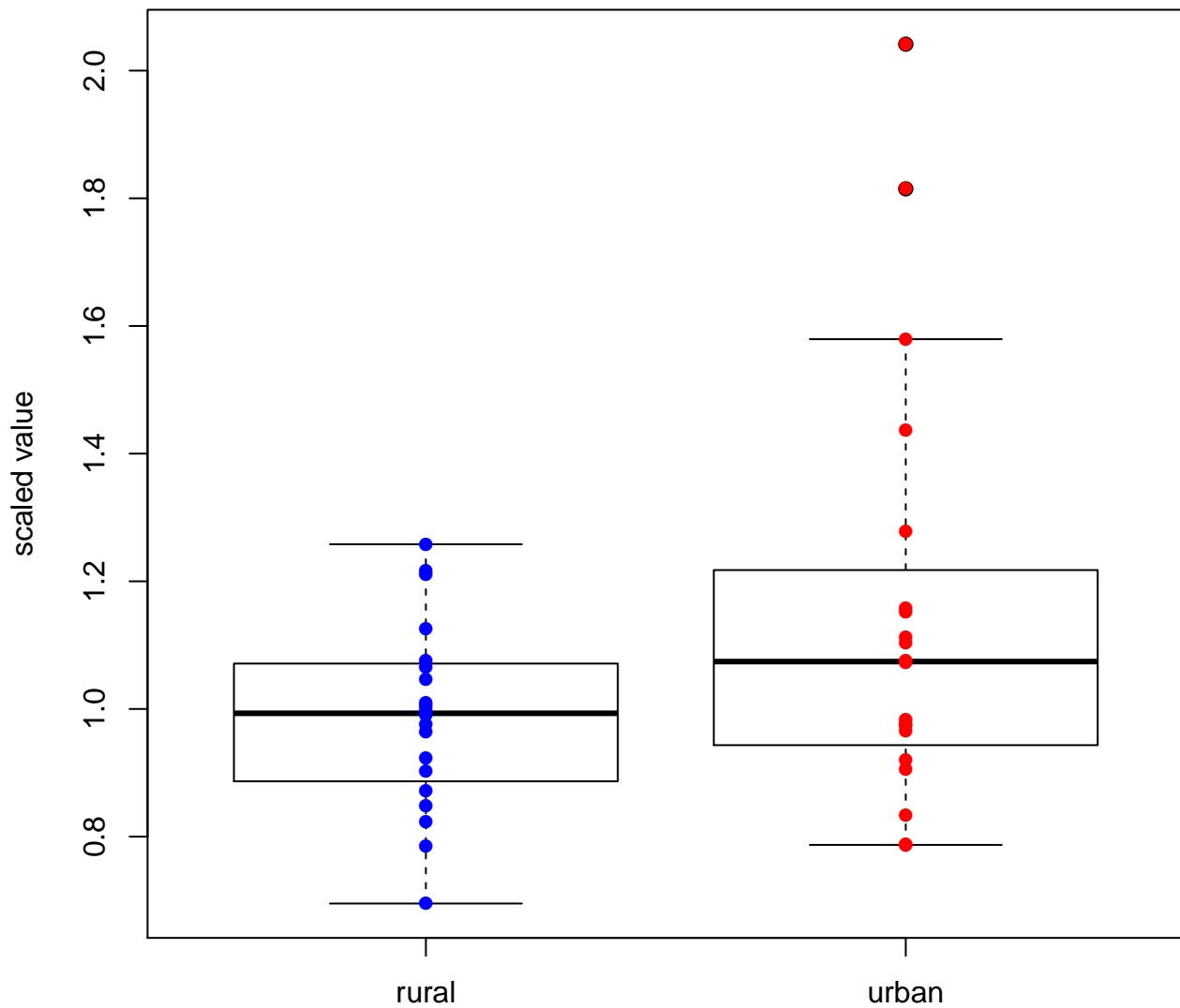
pAdjRuralUrban= 0.318



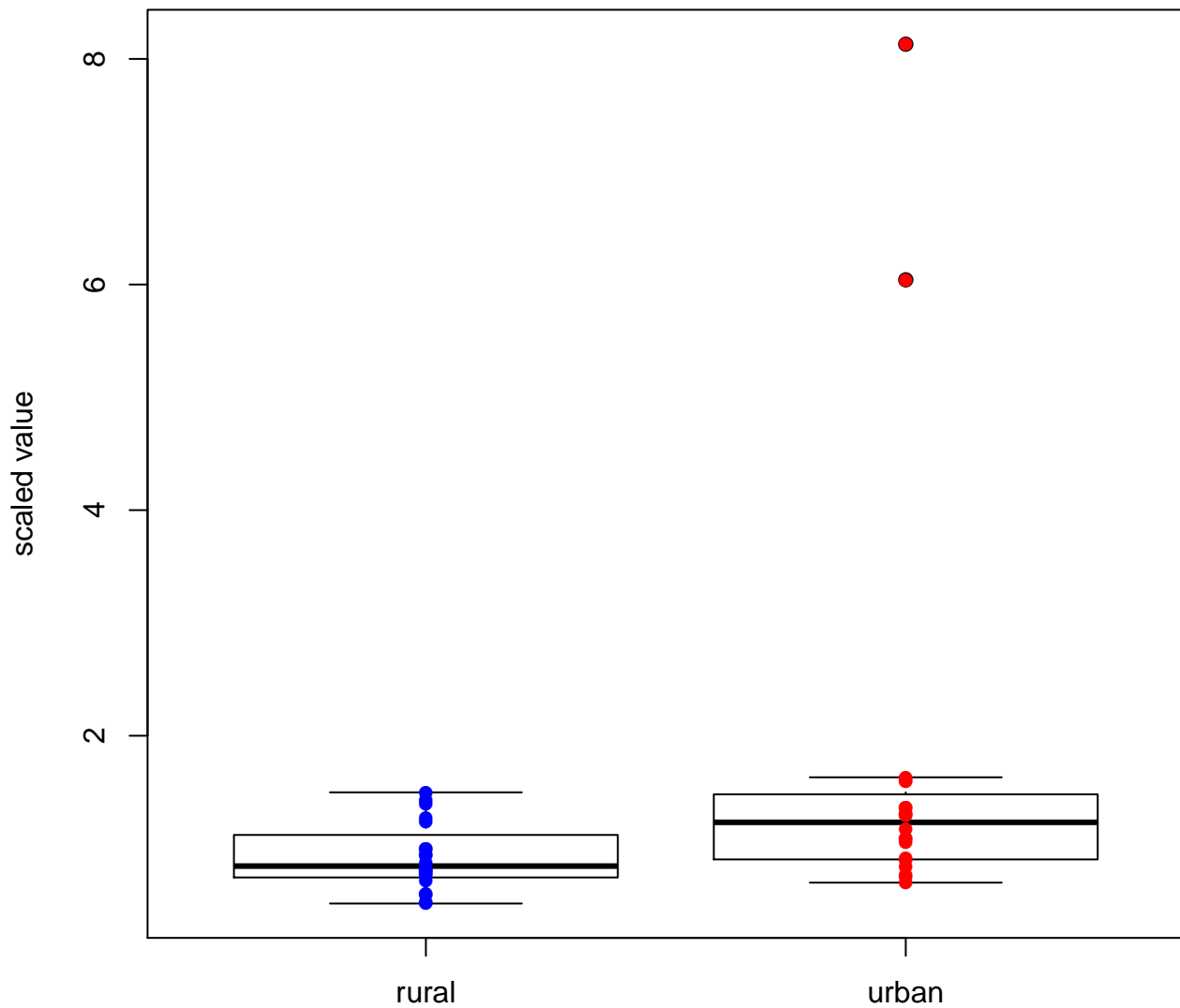
metabolite: 2-methoxyresorcinol sulfate  
pAdjRuralUrban= 0.318



metabolite: 3-methyl-2-oxobutyrates  
pAdjRuralUrban= 0.318



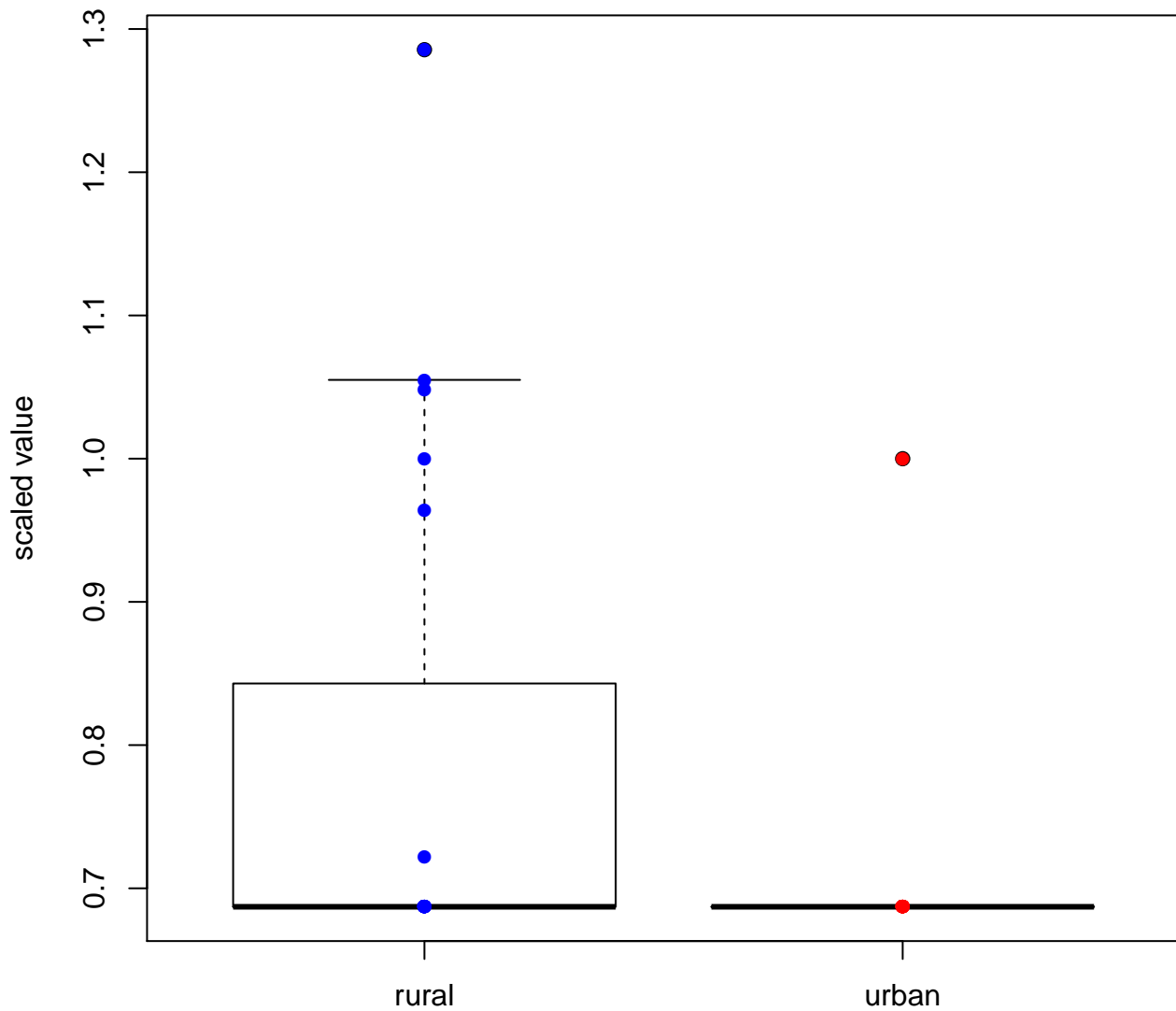
metabolite: butyrylcarnitine  
pAdjRuralUrban= 0.318



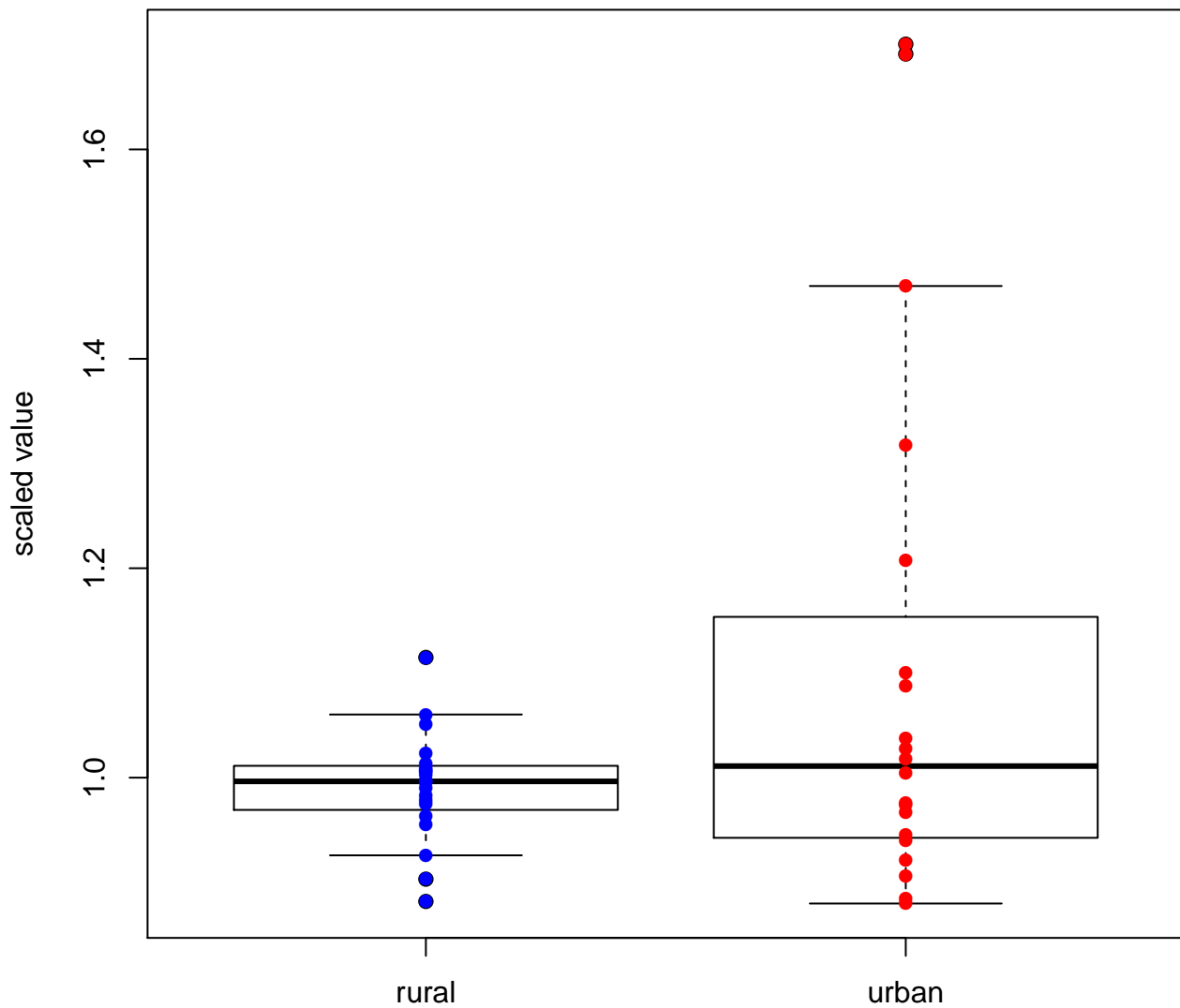


metabolite: cotinine N-oxide

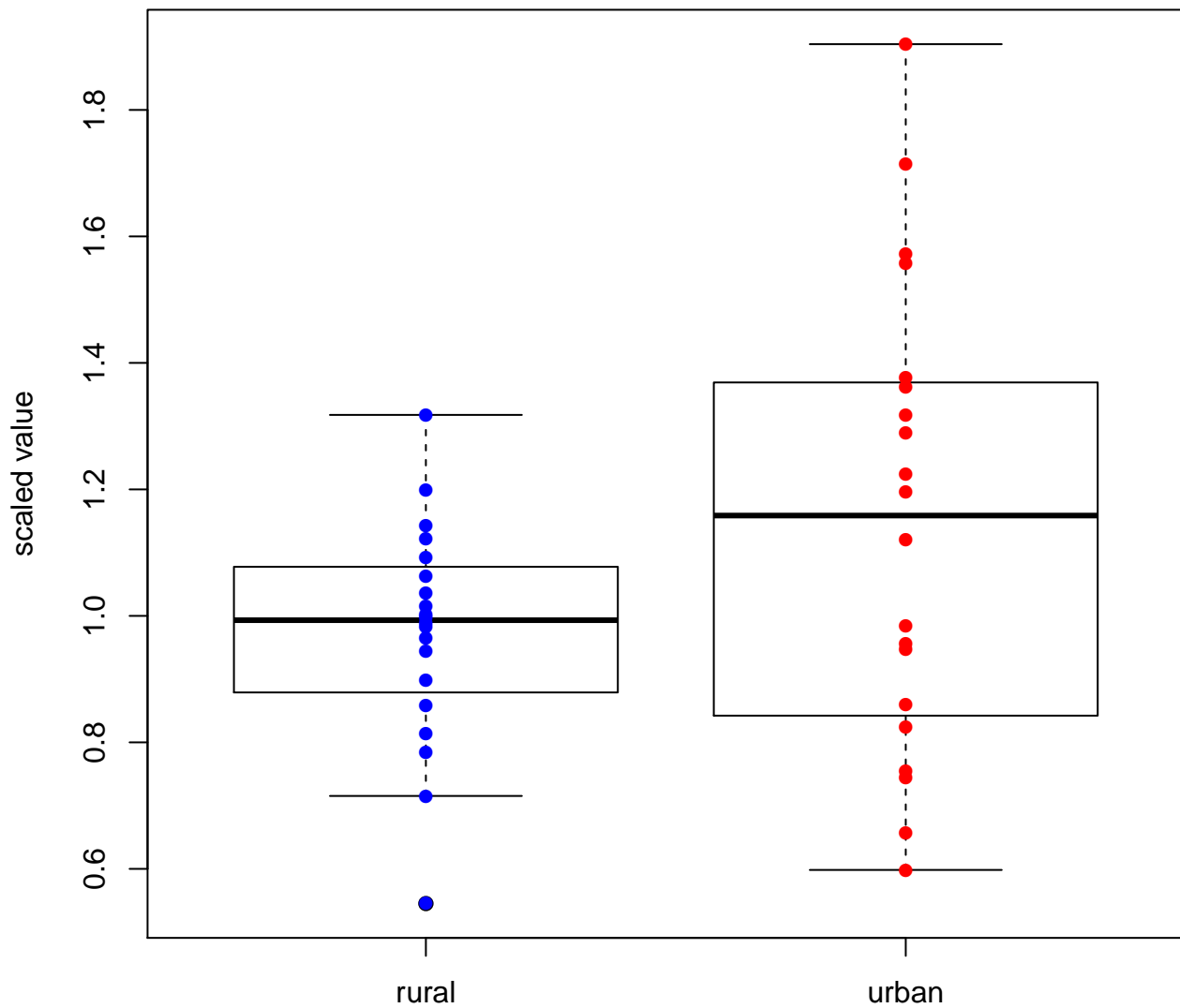
pAdjRuralUrban= 0.318



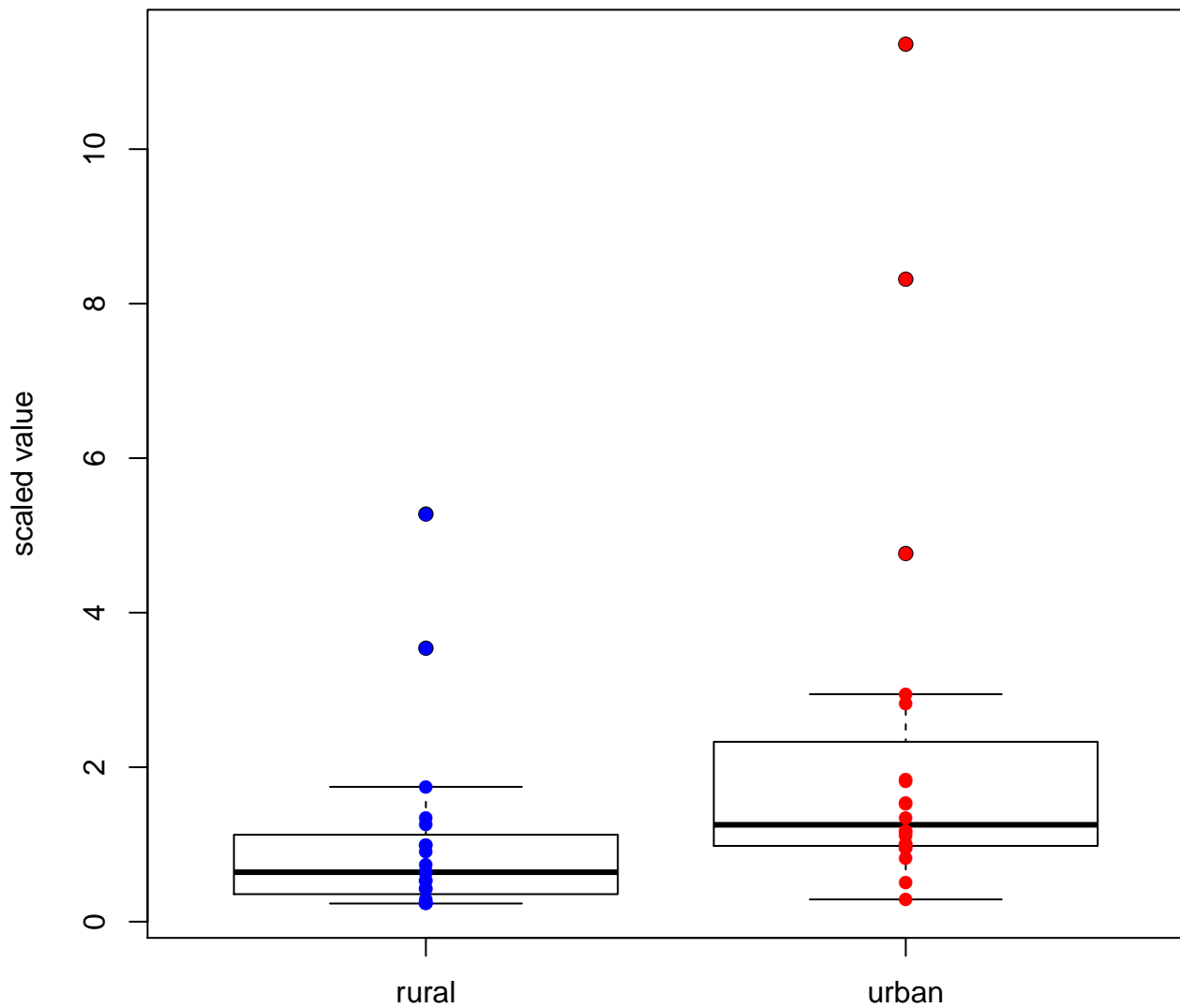
metabolite: glucose  
pAdjRuralUrban= 0.318



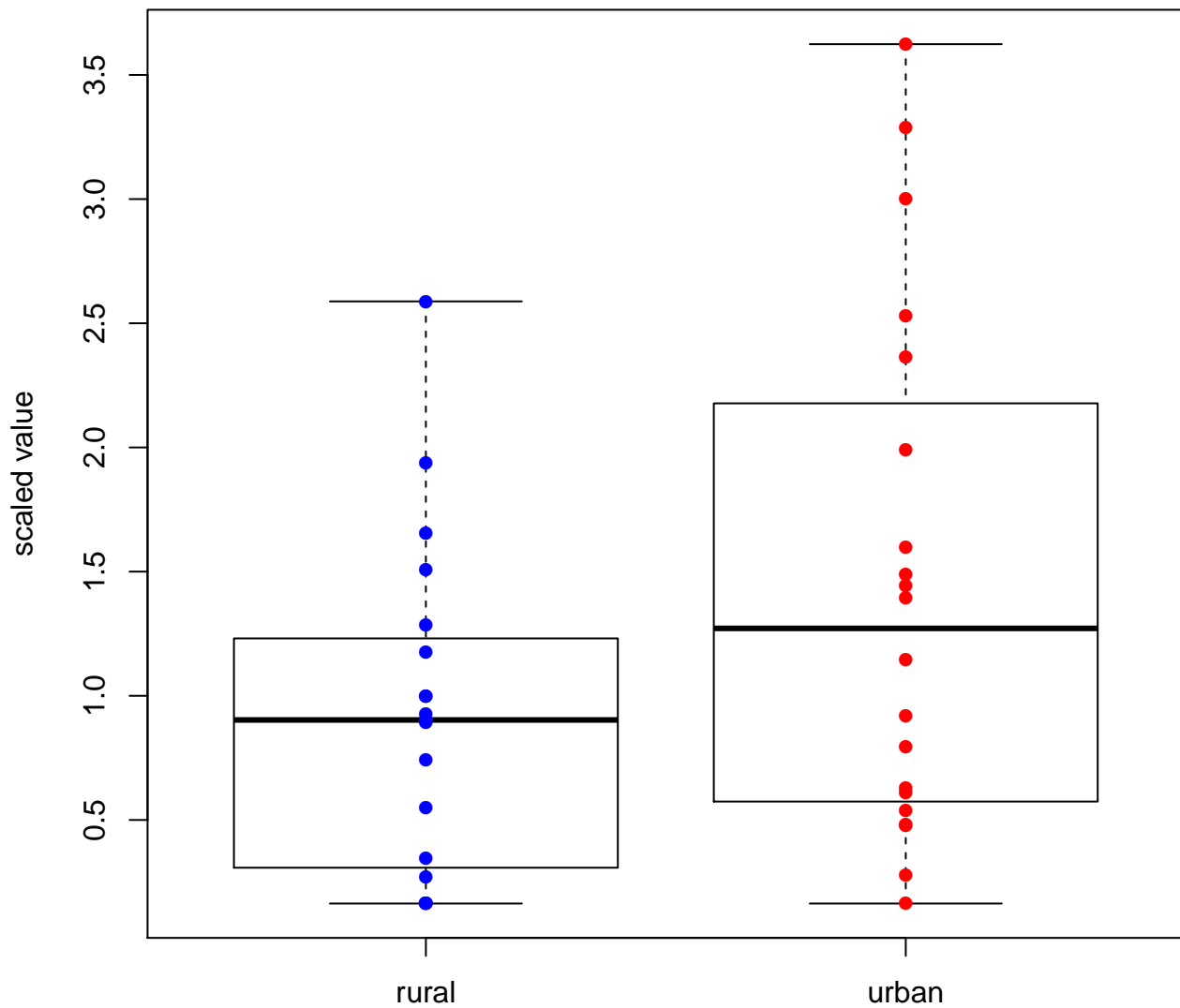
metabolite: ribitol  
pAdjRuralUrban= 0.318



metabolite: taurochenodeoxycholate  
pAdjRuralUrban= 0.318

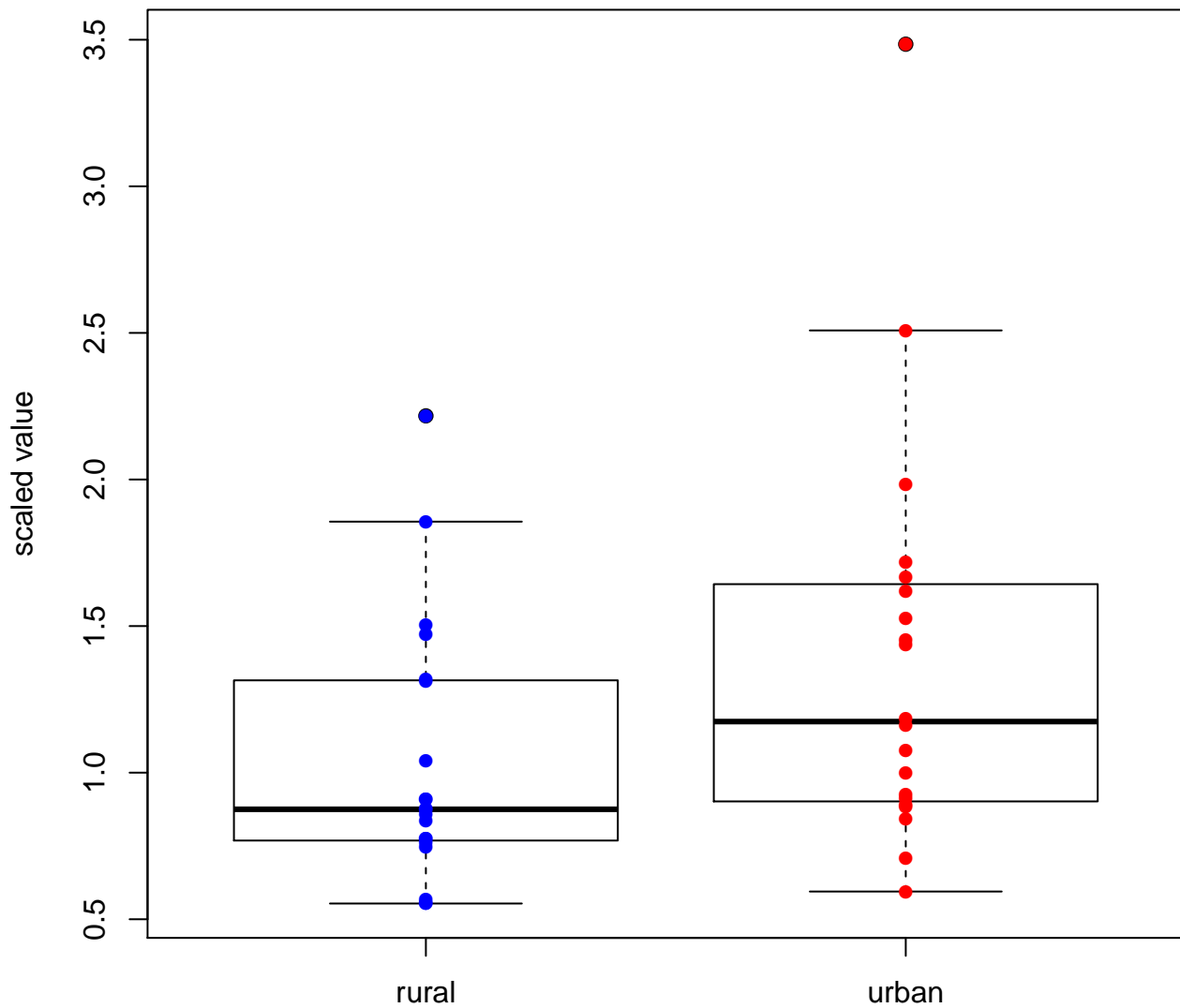


metabolite: allantoin  
pAdjRuralUrban= 0.32

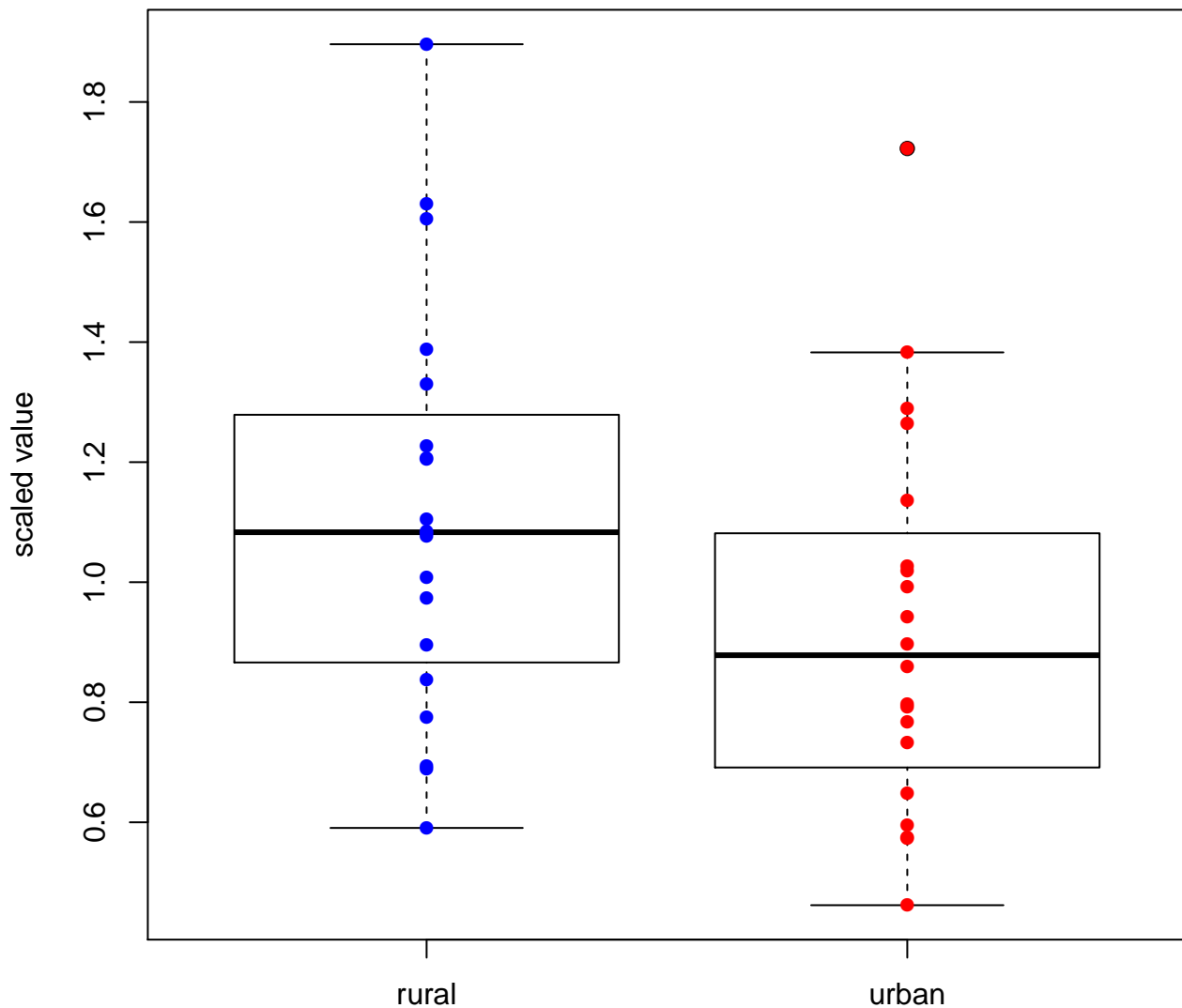


metabolite: 3-methylglutaryl carnitine (C6)

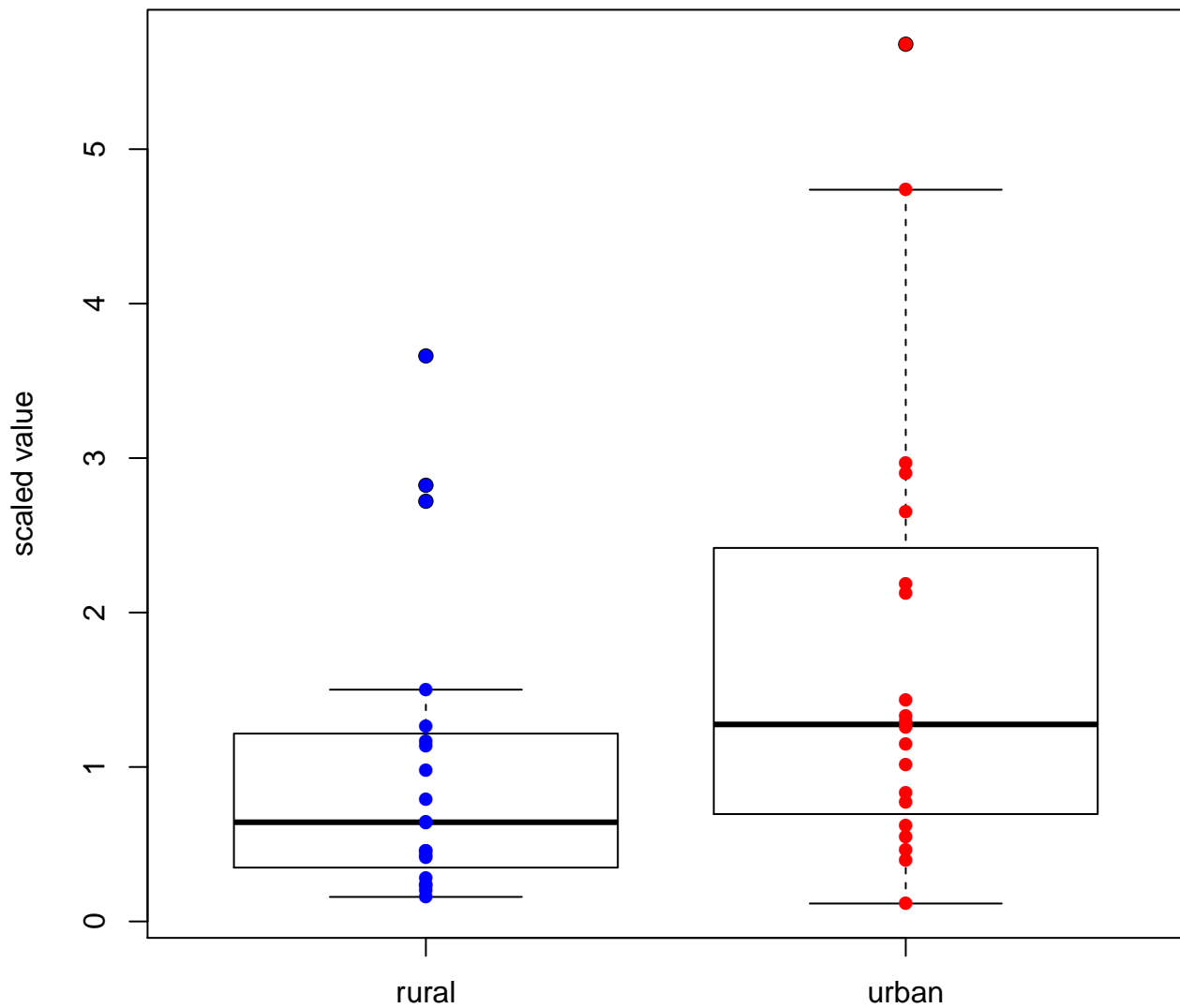
pAdjRuralUrban= 0.326



metabolite: 1-(1-enyl-stearoyl)-GPE (P-18:0)  
pAdjRuralUrban= 0.337

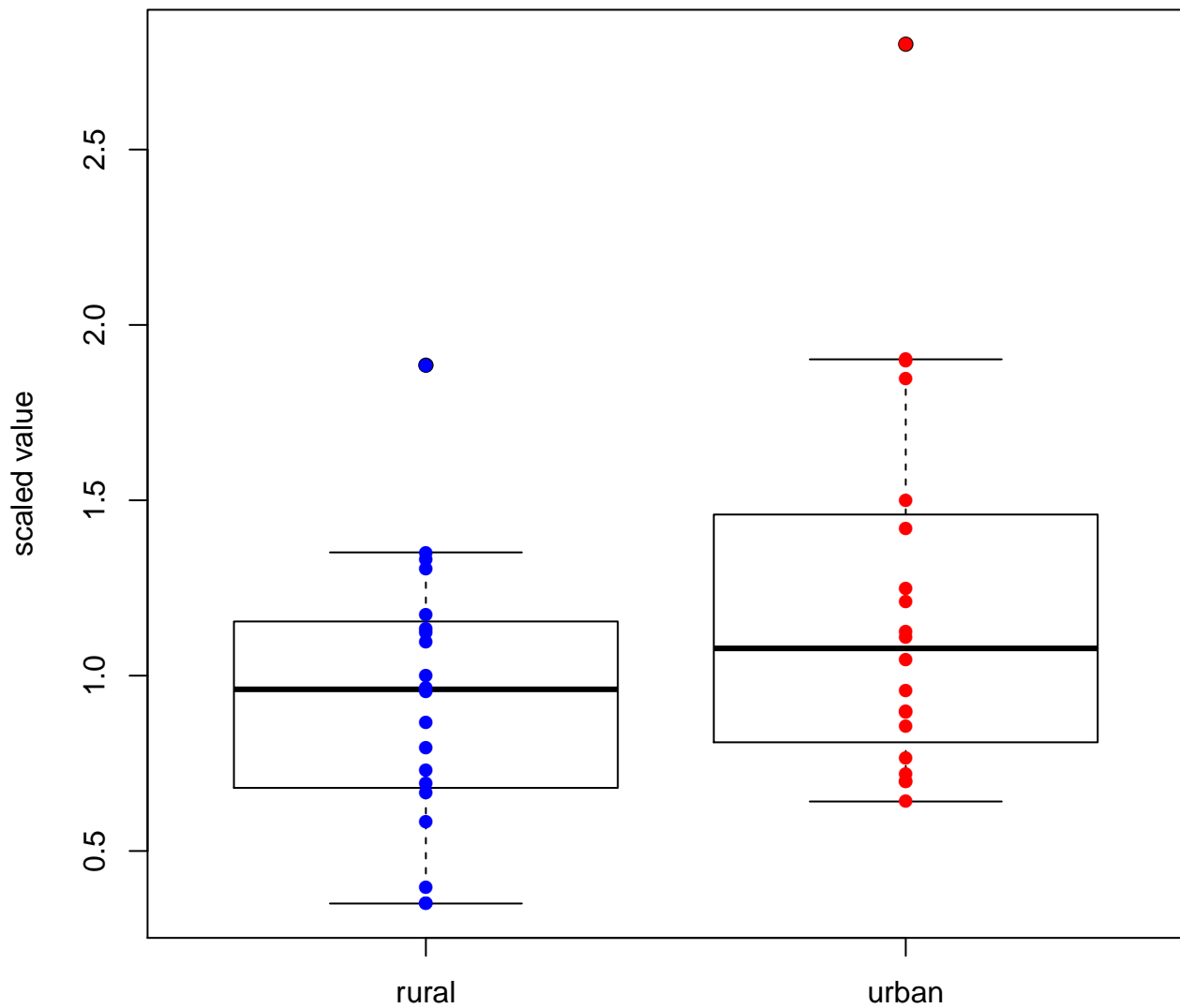


metabolite: 12-HETE  
pAdjRuralUrban= 0.337

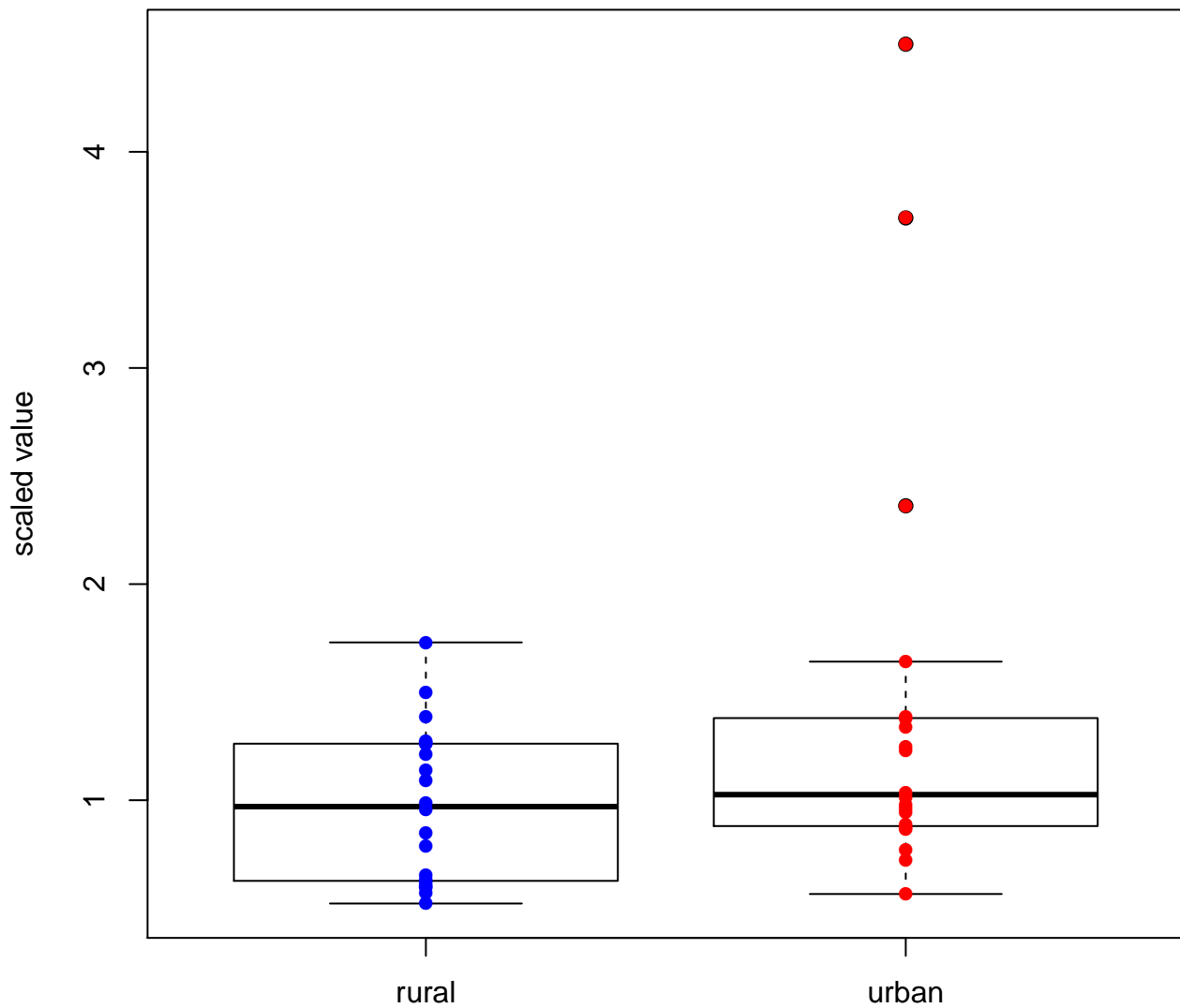




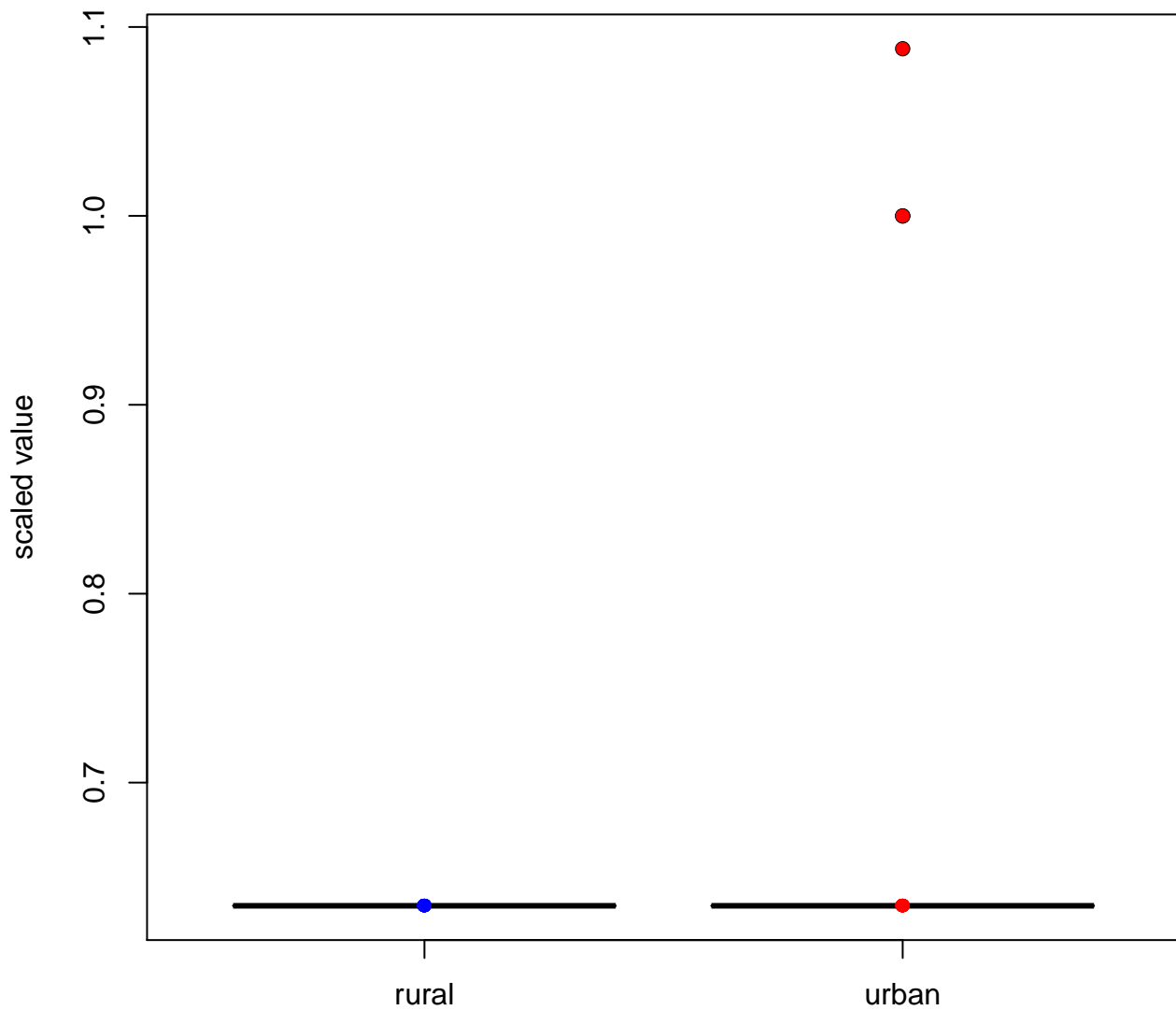
metabolite: 3-hydroxyoctanoate  
pAdjRuralUrban= 0.337



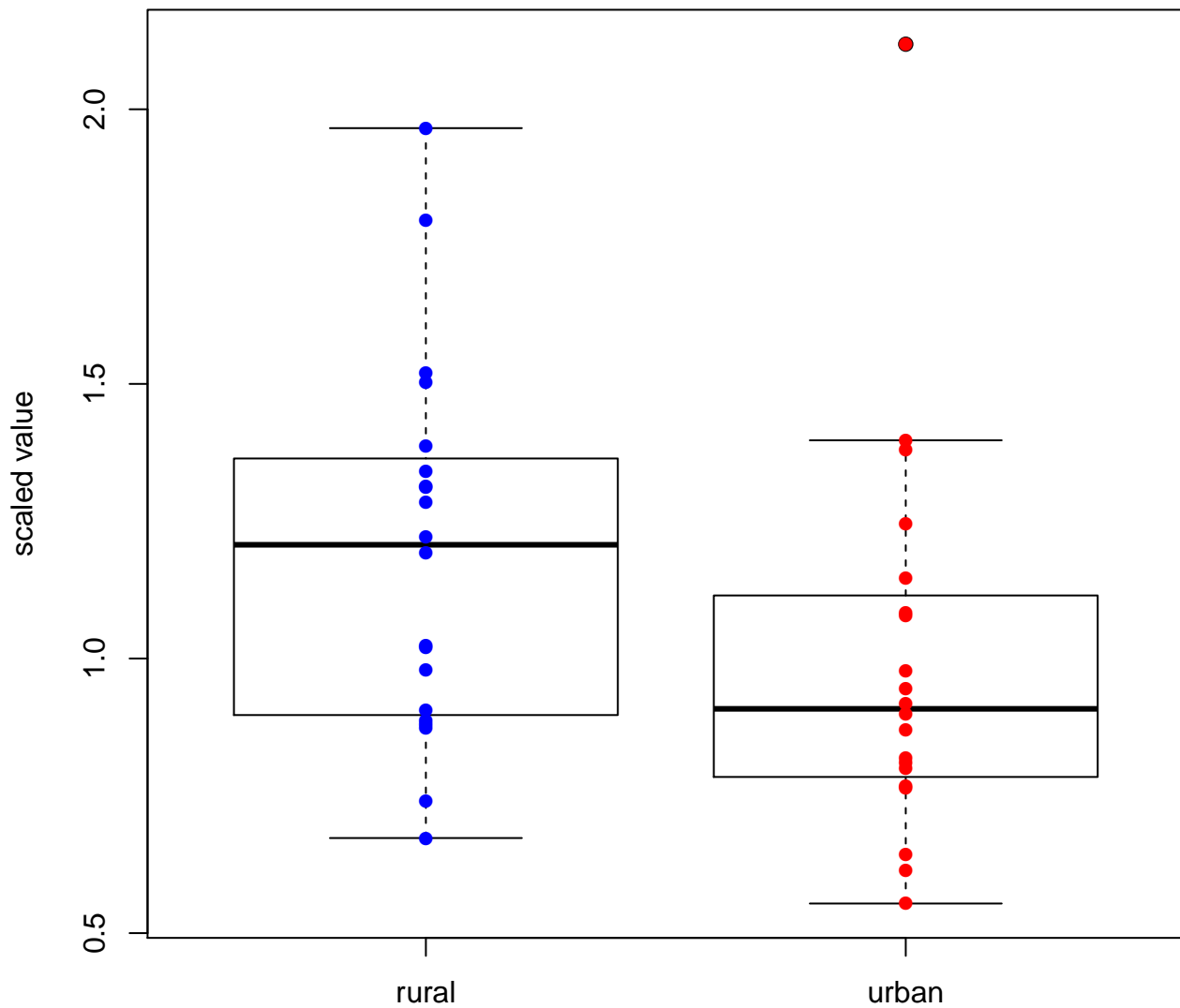
metabolite: hexanoylcarnitine  
pAdjRuralUrban= 0.337



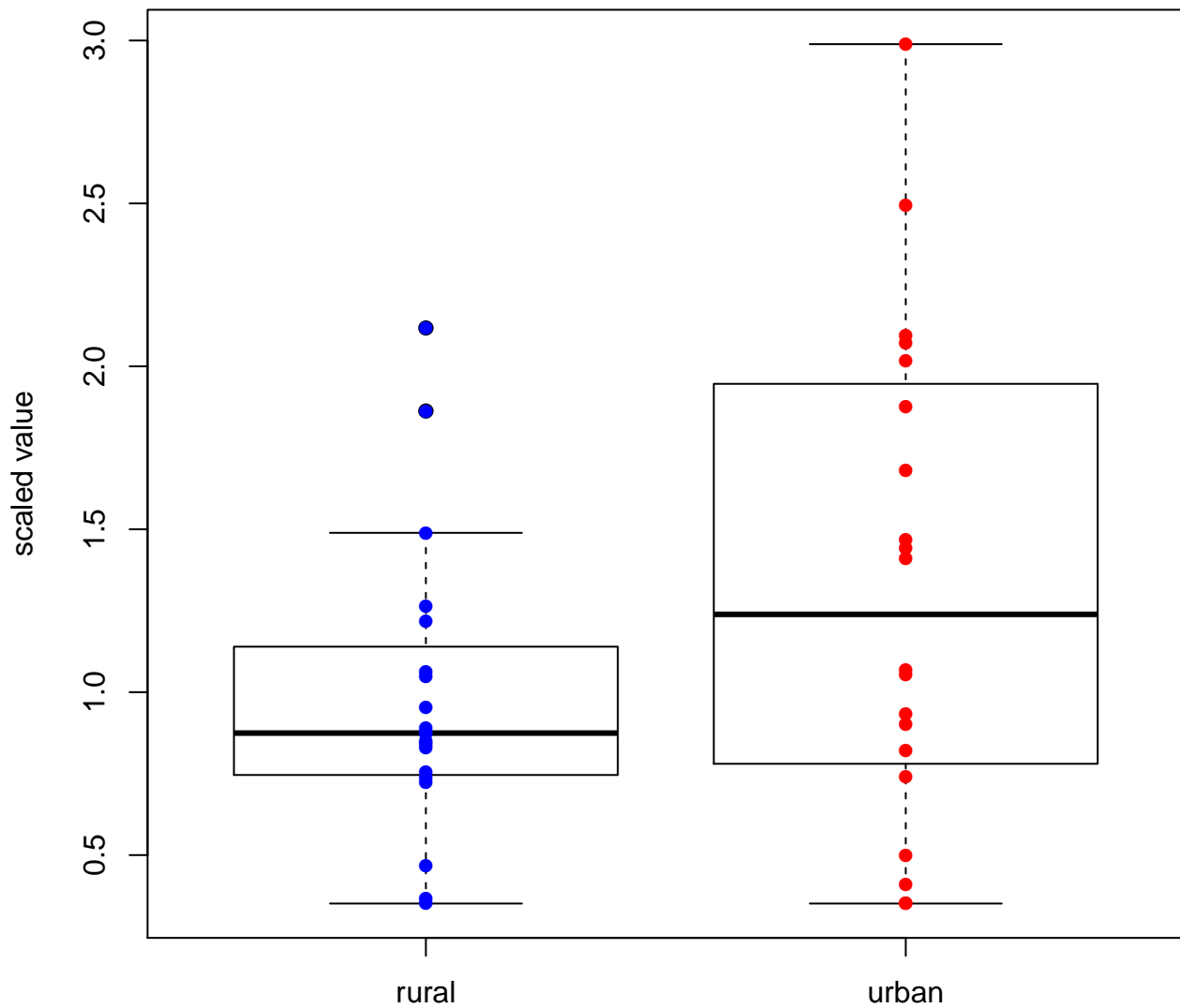
metabolite: metoprolol acid metabolite  
pAdjRuralUrban= 0.337



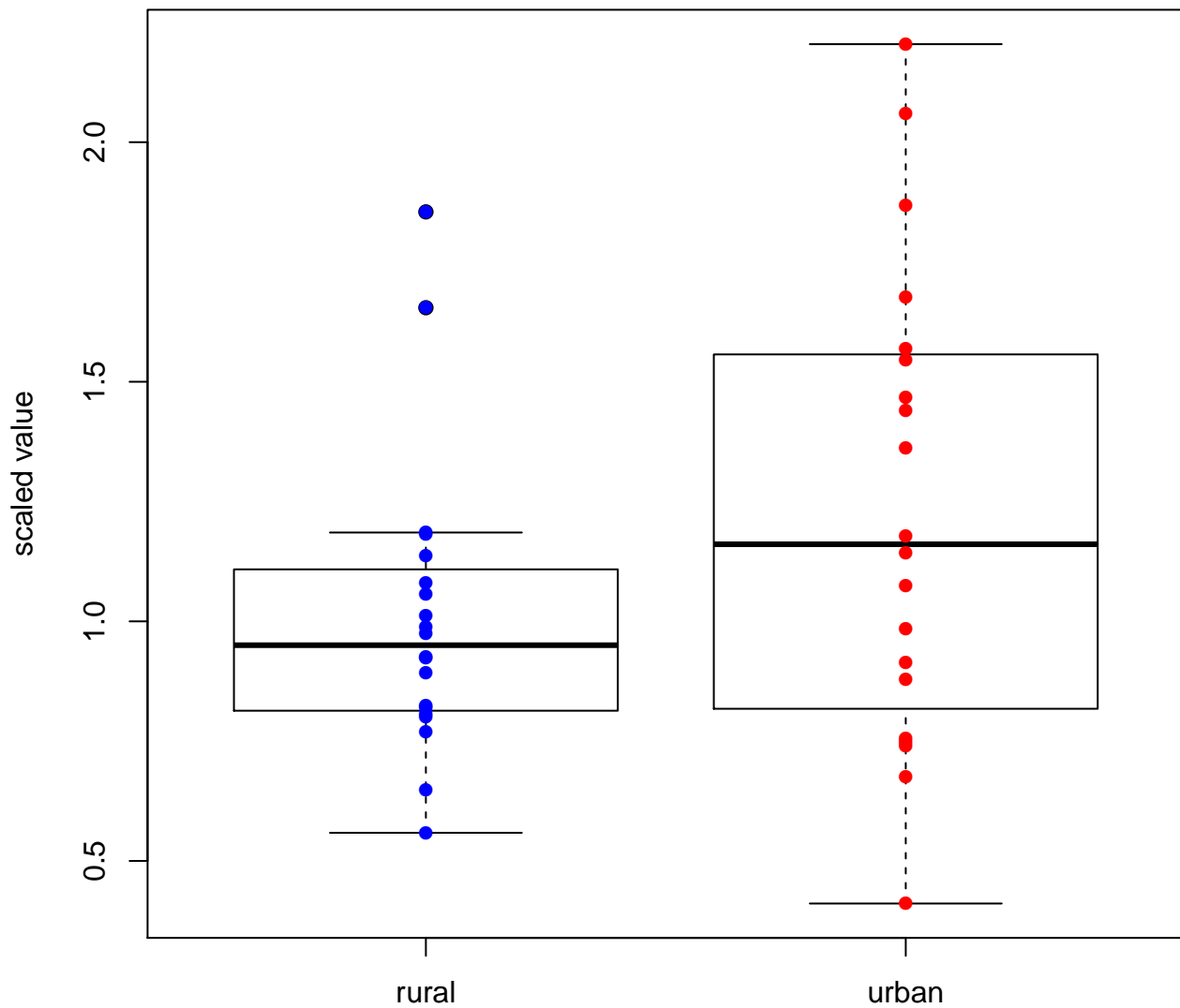
metabolite: pro-hydroxy-pro  
pAdjRuralUrban= 0.337



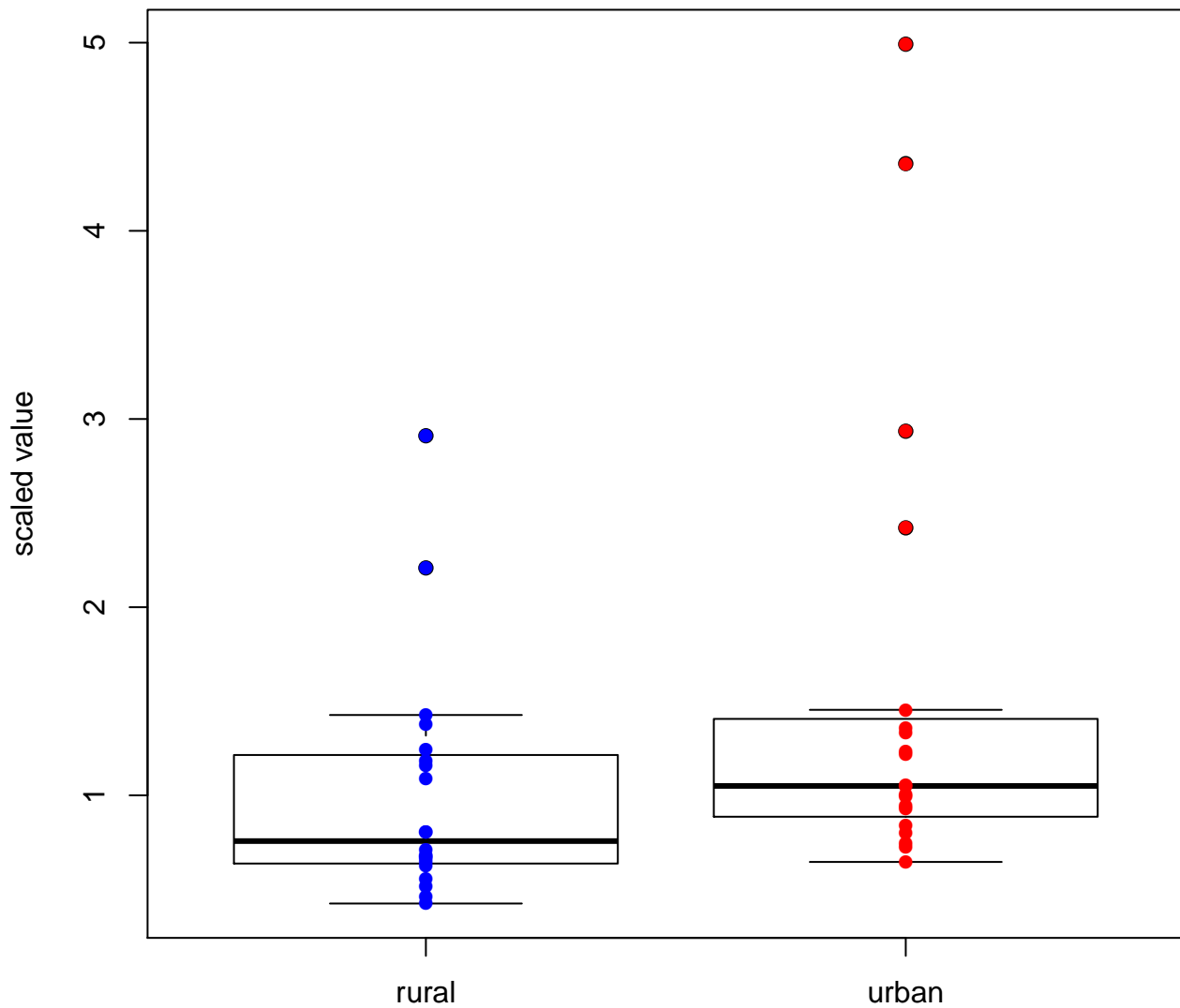
metabolite: ribulose  
pAdjRuralUrban= 0.337



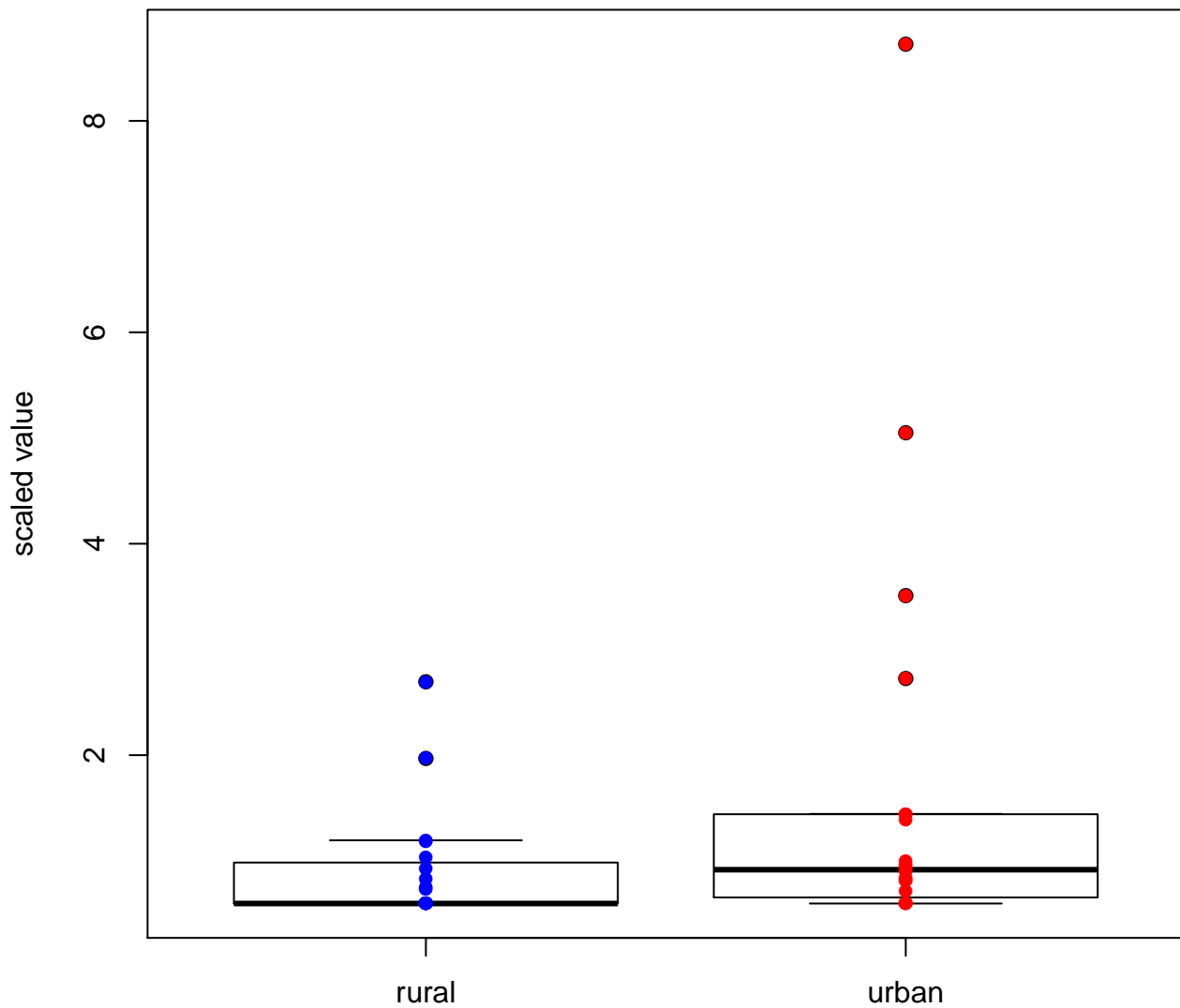
metabolite: beta-hydroxyisovalerate  
pAdjRuralUrban= 0.351



metabolite: cis-4-decenoyl carnitine  
pAdjRuralUrban= 0.351

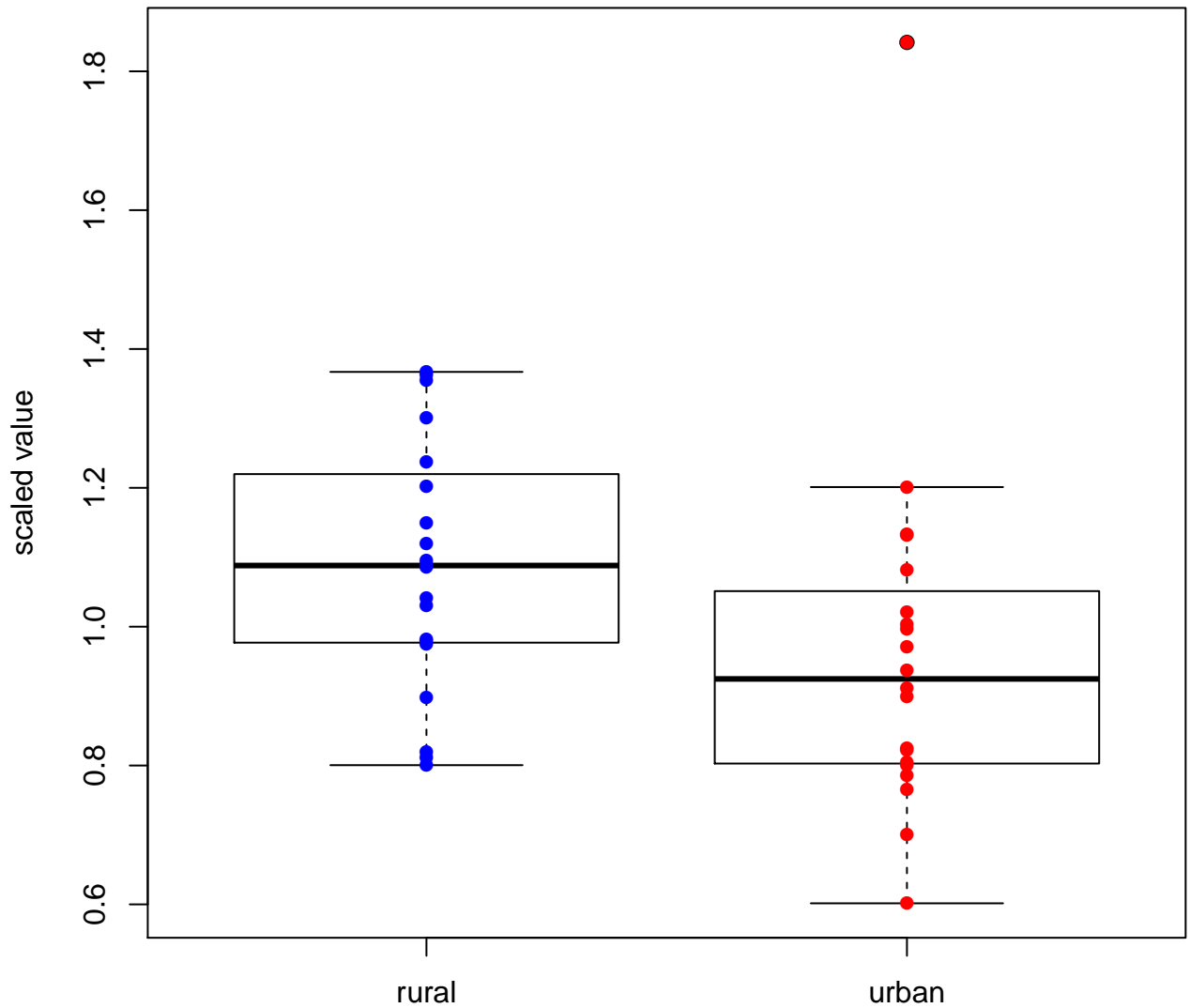


metabolite: l-urobilinogen  
pAdjRuralUrban= 0.364

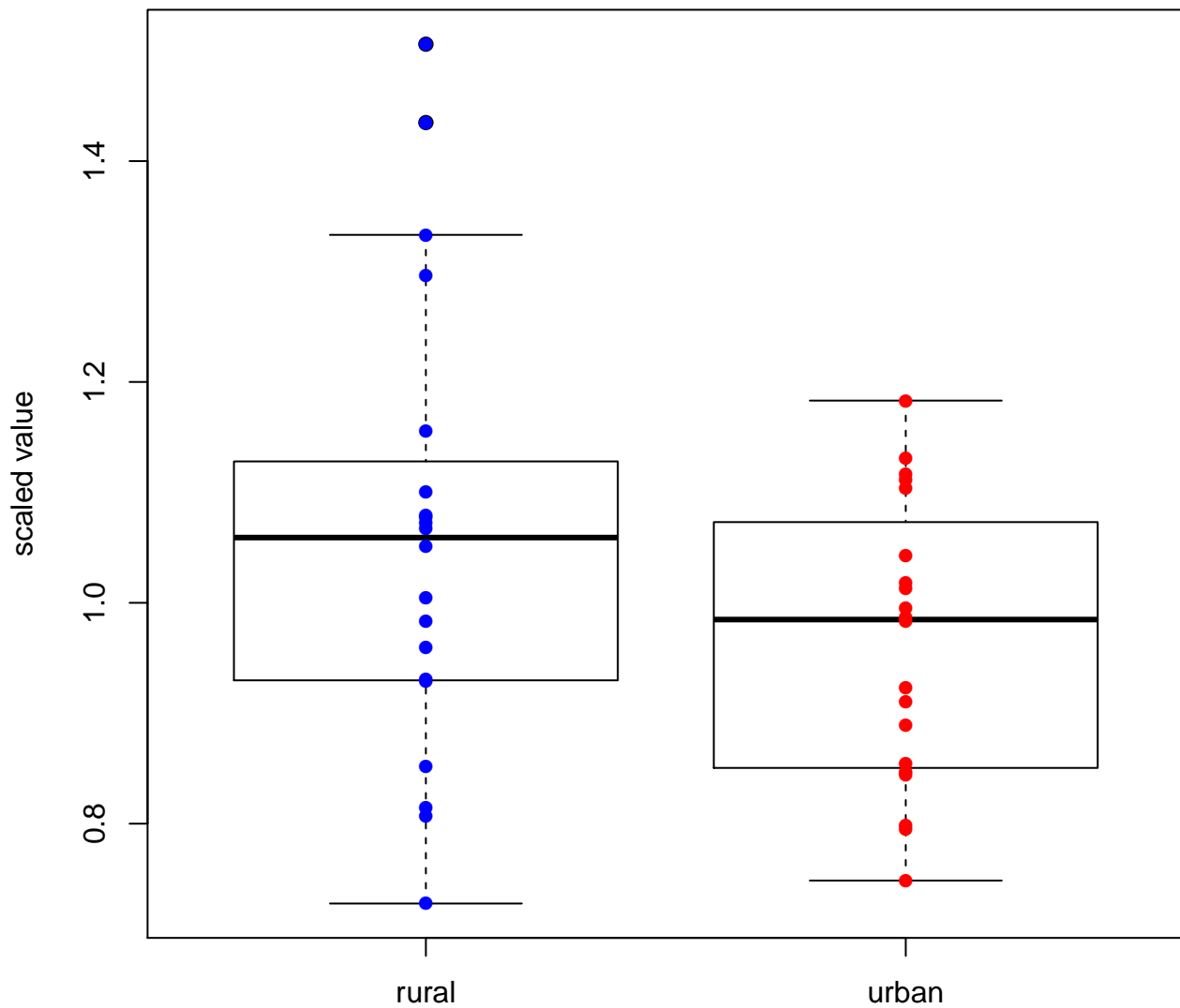




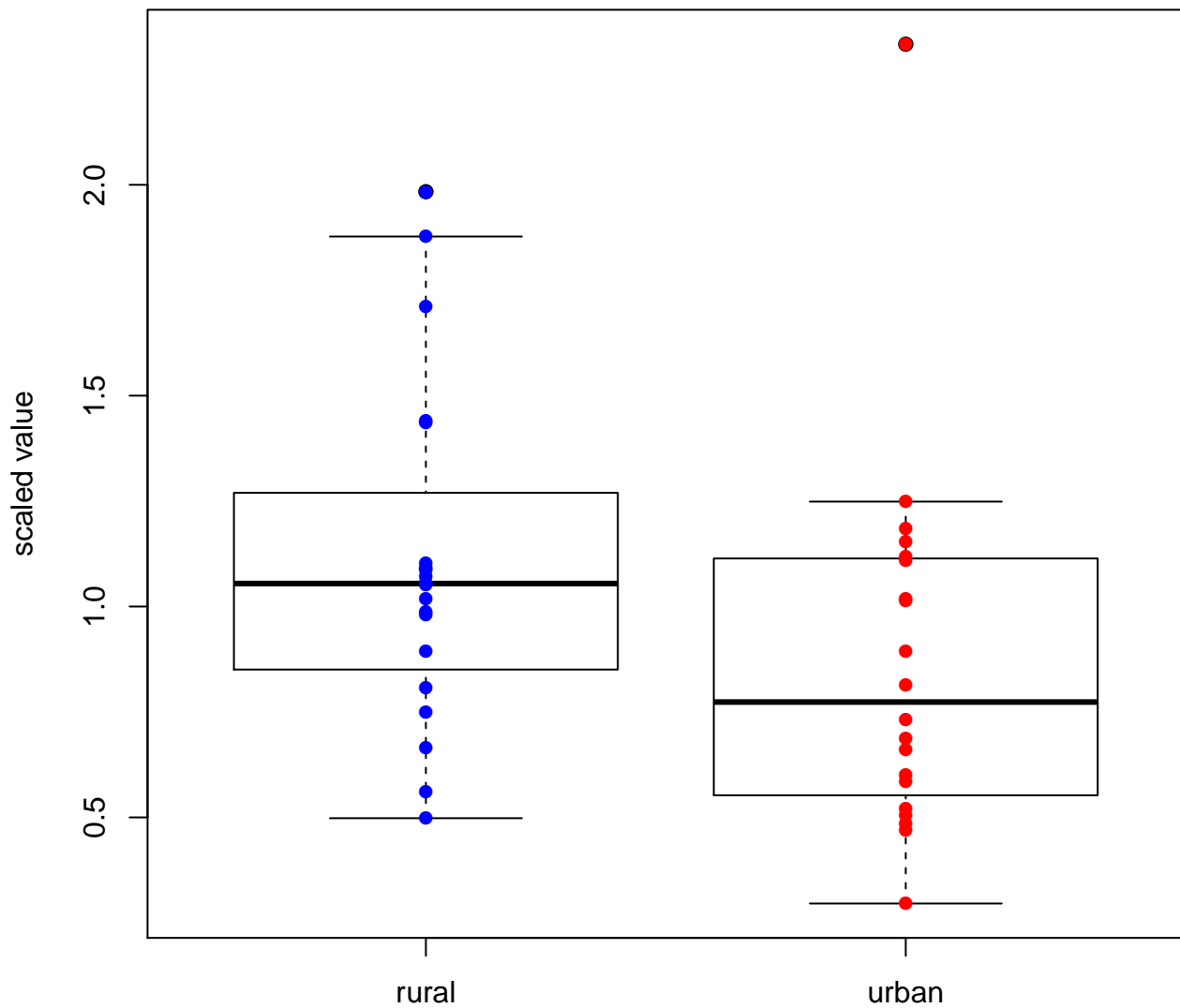
metabolite: glycerophosphorylcholine (GPC)  
pAdjRuralUrban= 0.364



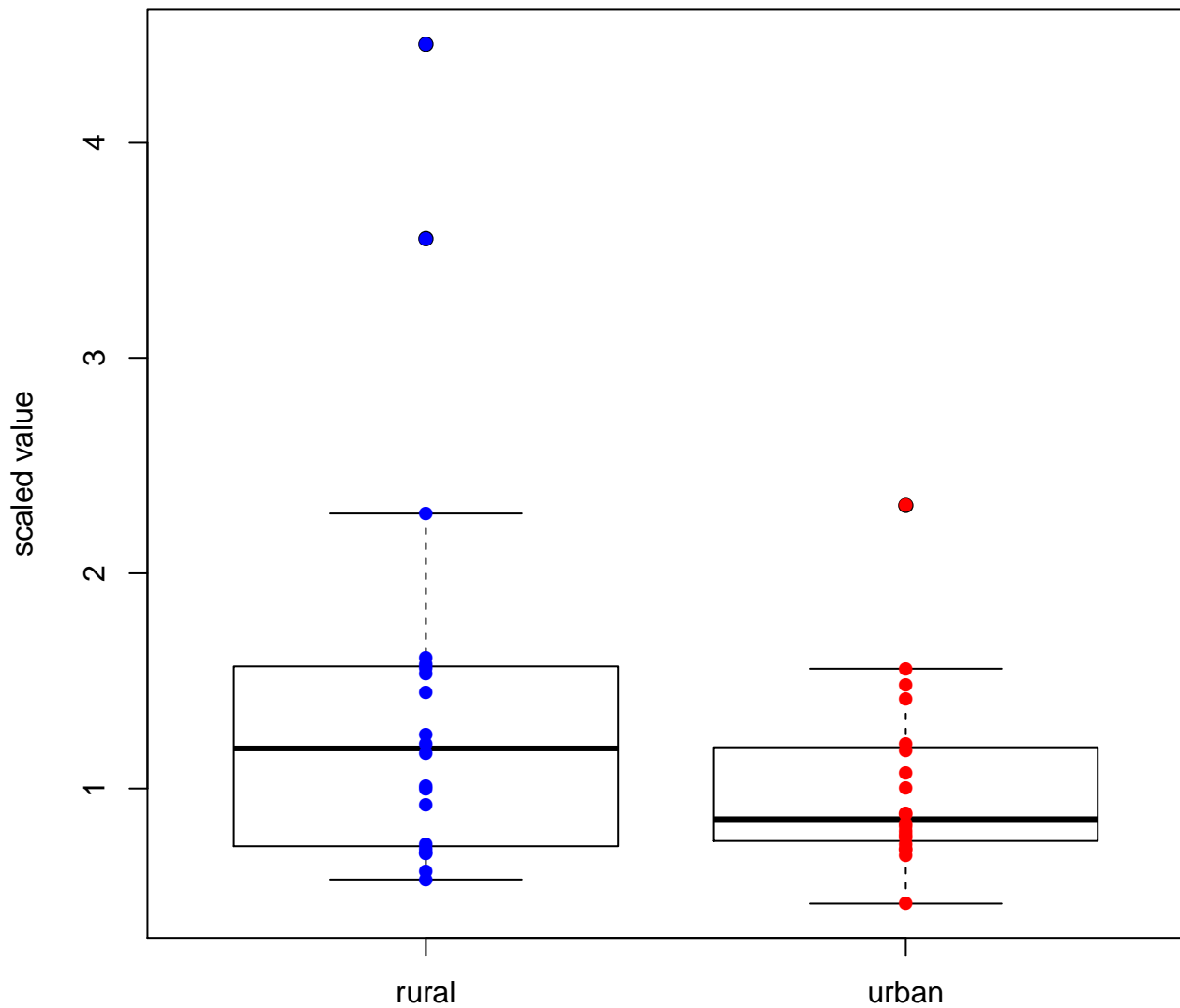
metabolite: methionine  
pAdjRuralUrban= 0.368



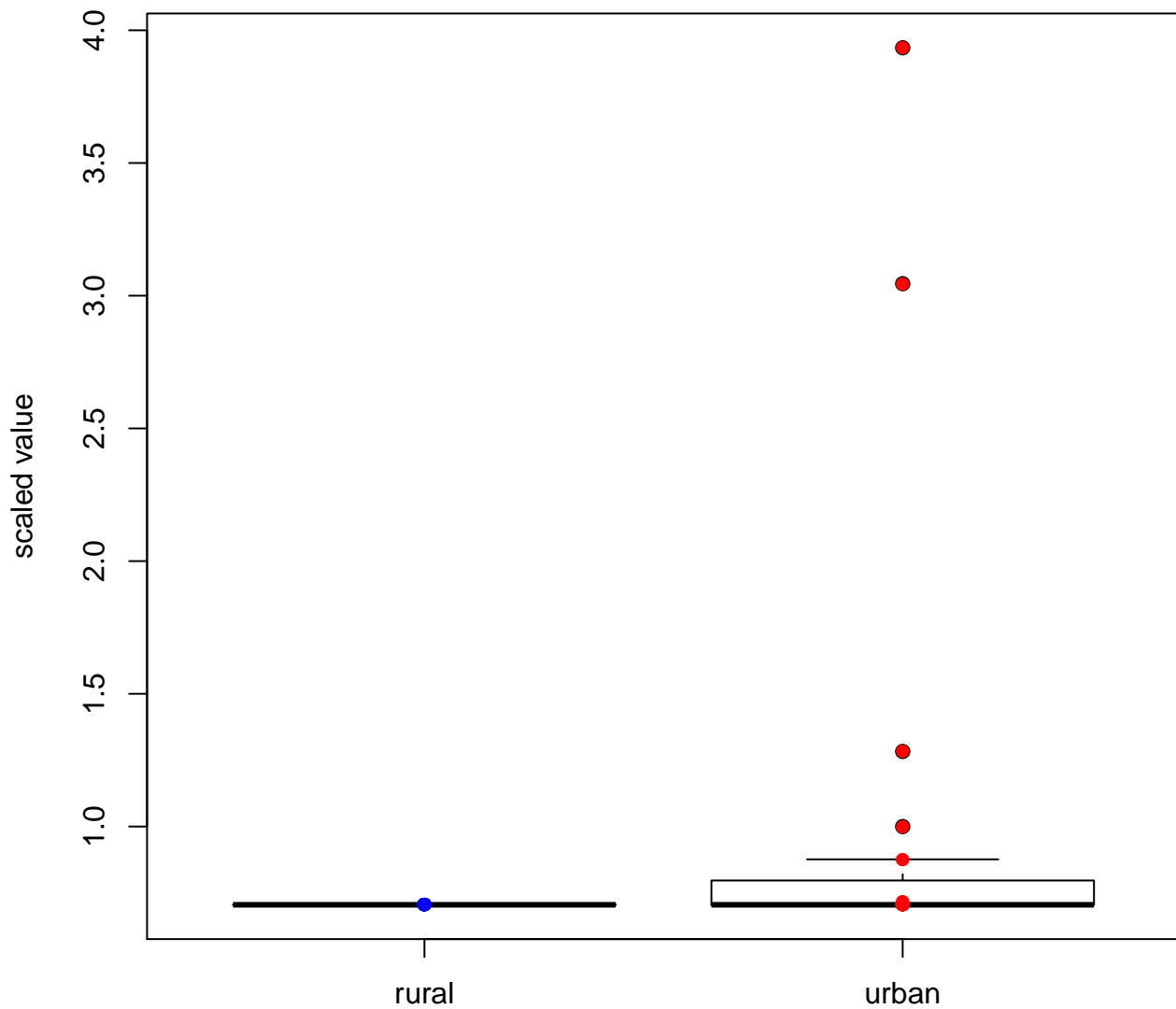
**metabolite: 1-palmitoleoyl-GPC (16:1)**  
**pAdjRuralUrban= 0.37**



metabolite: pipecolate  
pAdjRuralUrban= 0.37

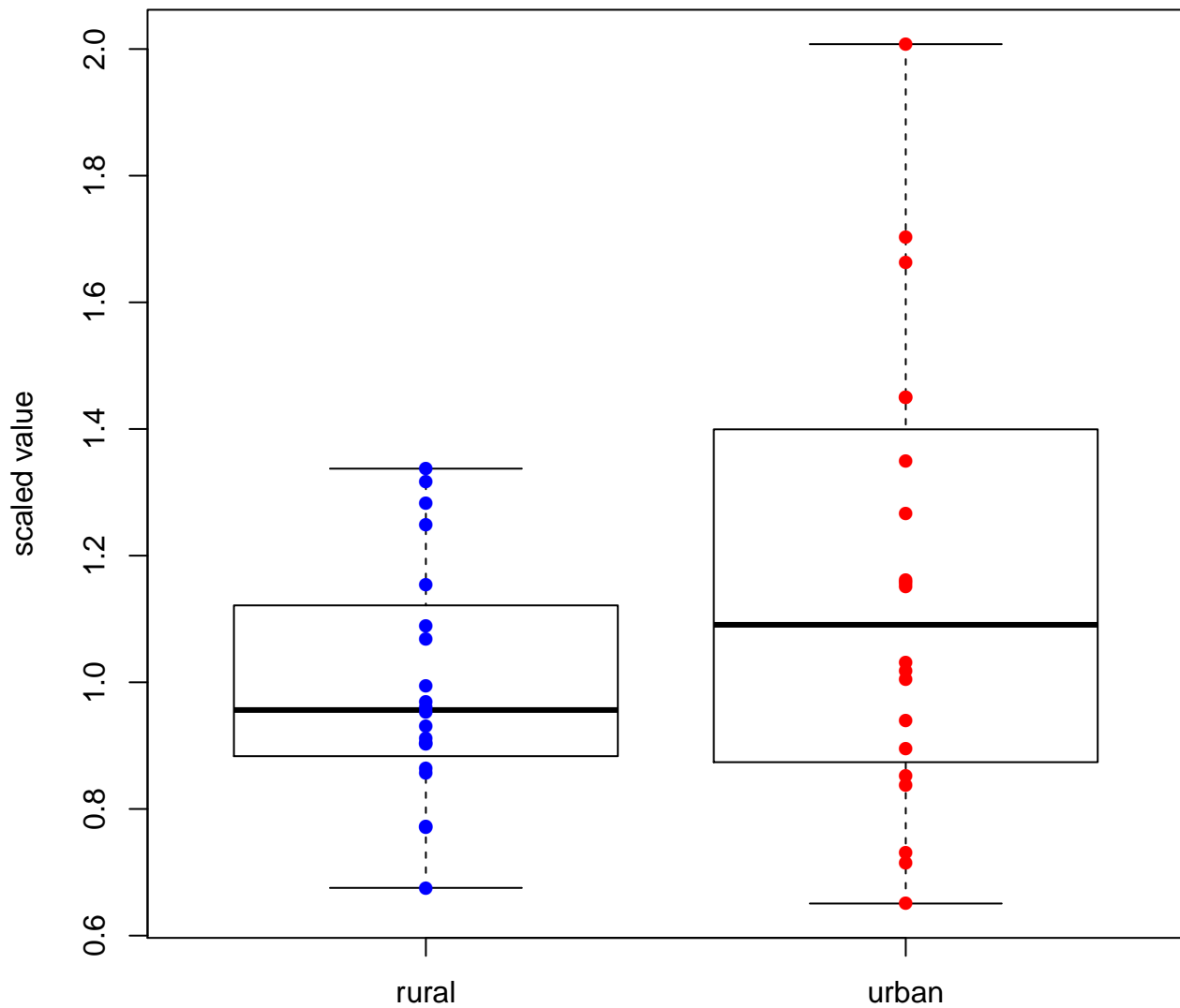


metabolite: salicyluric glucuronide  
pAdjRuralUrban= 0.37

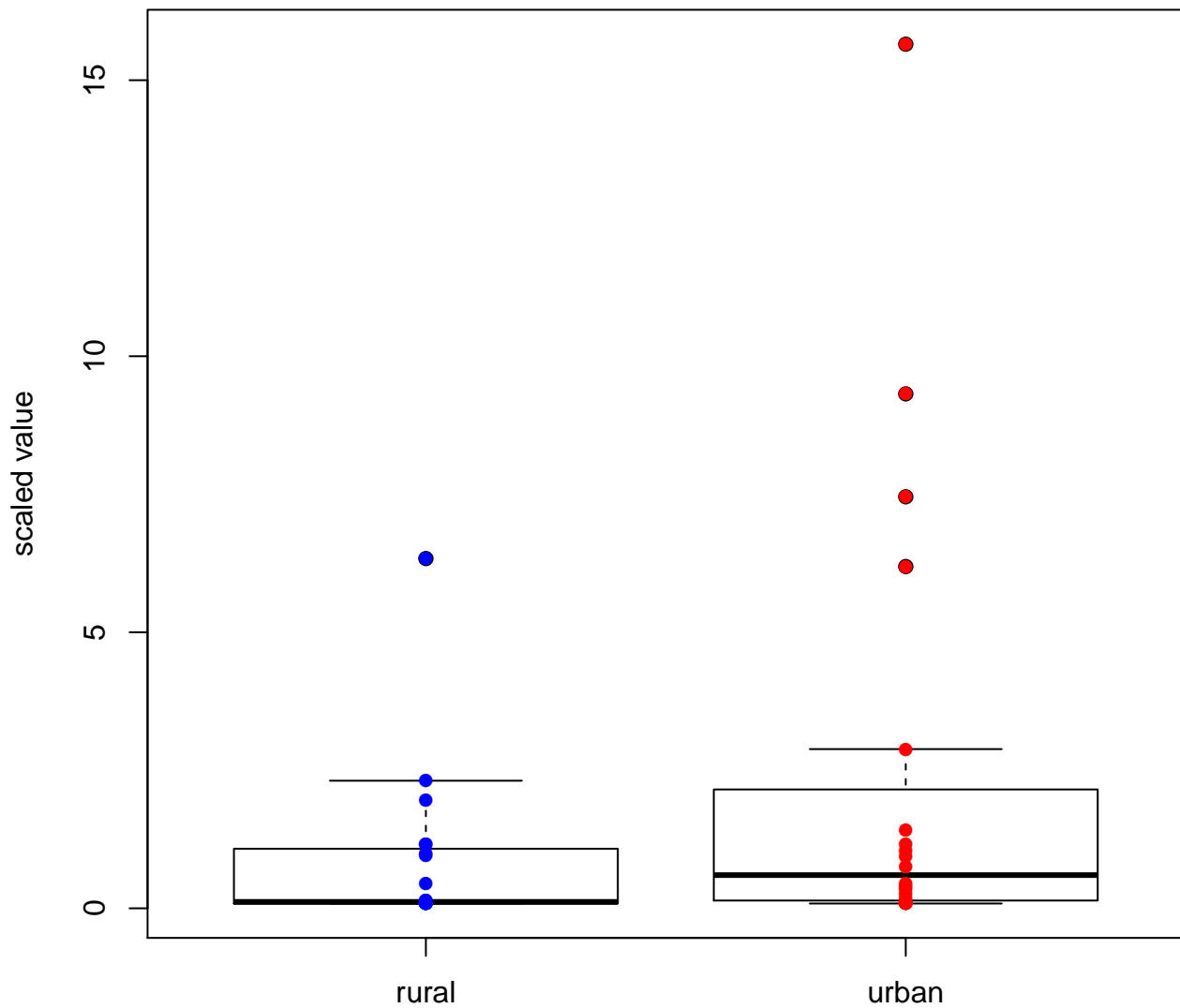


metabolite: myristate (14:0)

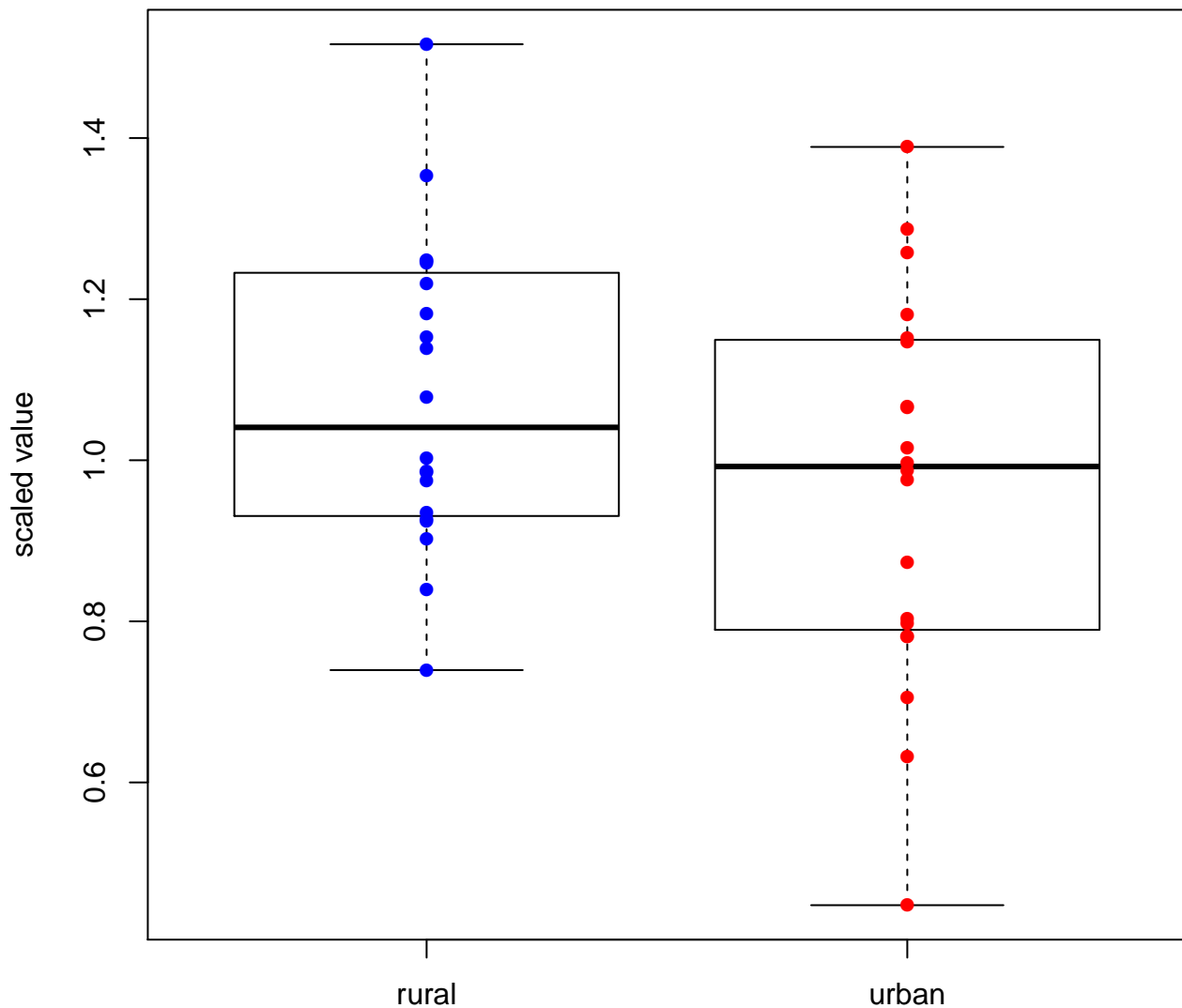
pAdjRuralUrban= 0.392



metabolite: 1,2,3-benzenetriol sulfate (2)  
pAdjRuralUrban= 0.398

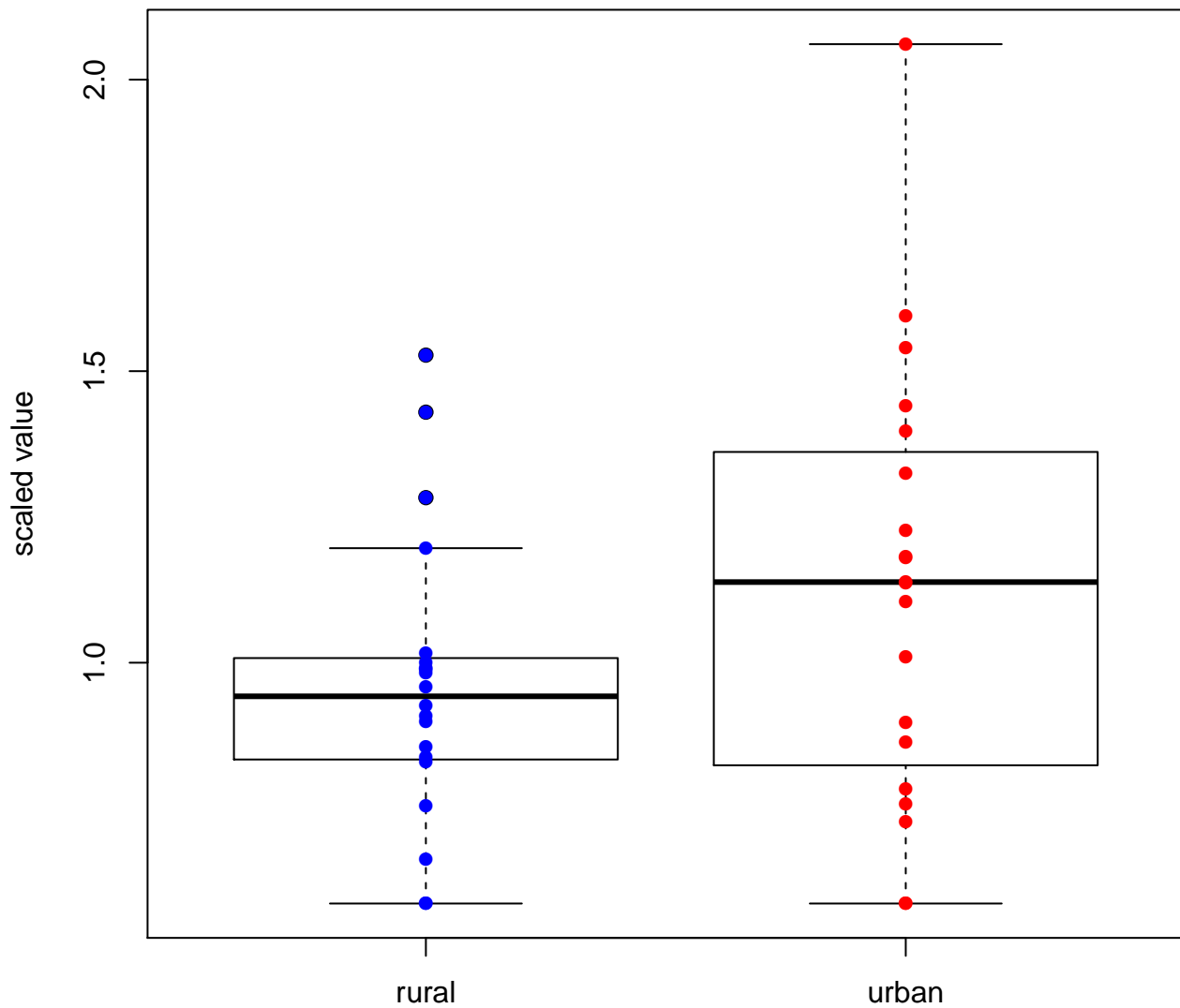


metabolite: 2-hydroxyisobutyrate  
pAdjRuralUrban= 0.398

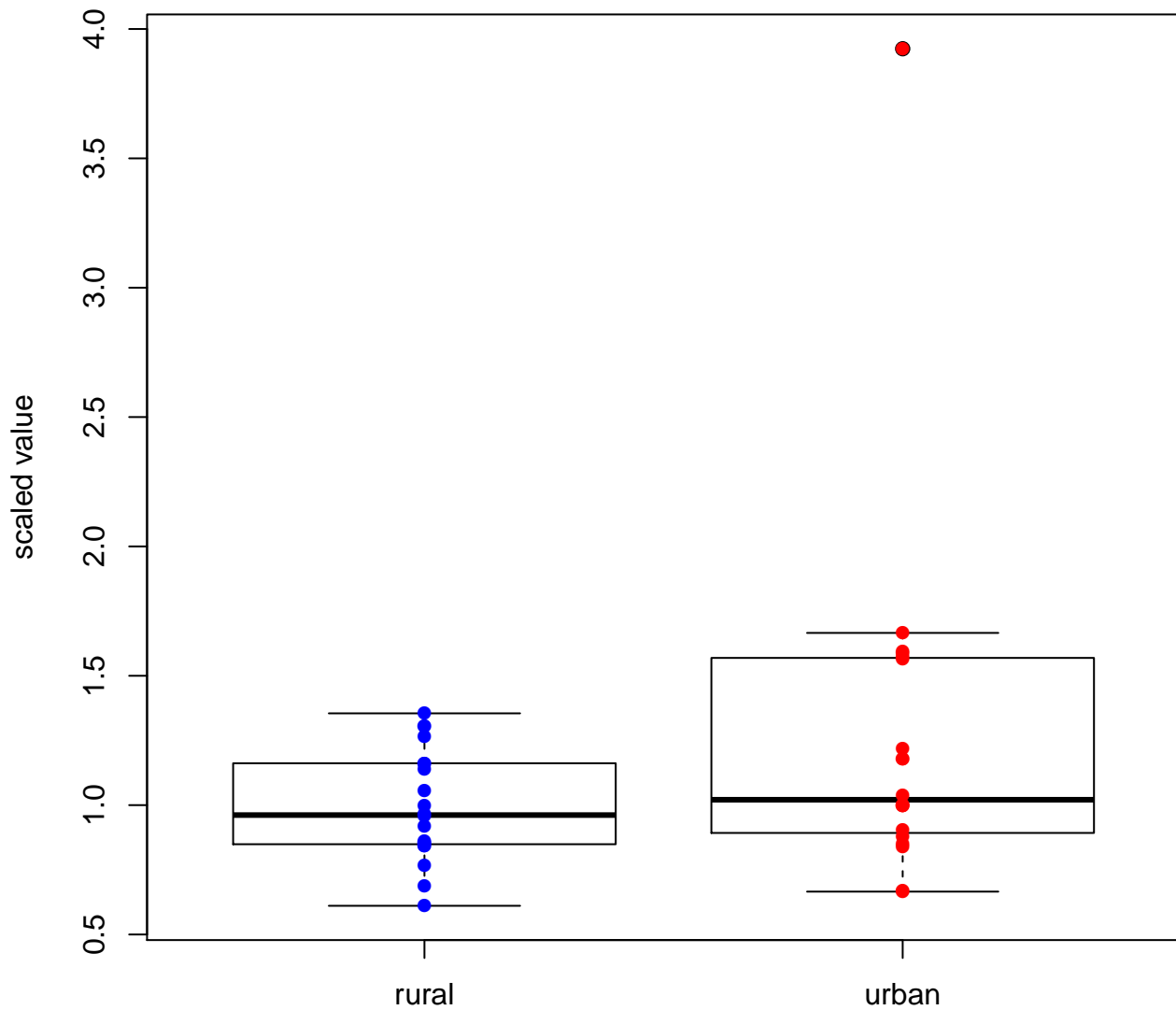




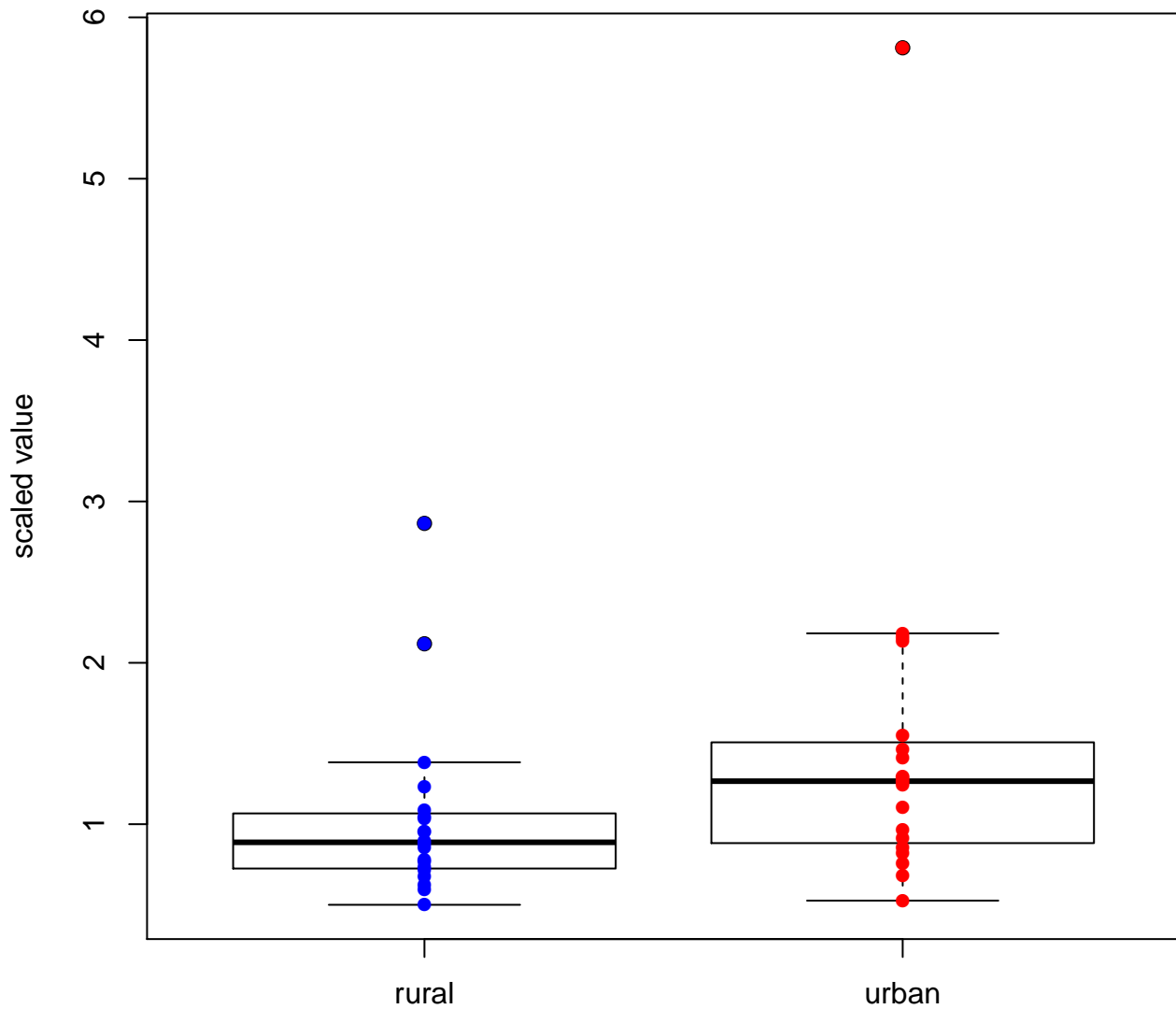
metabolite: gamma-glutamylthreonine  
pAdjRuralUrban= 0.398



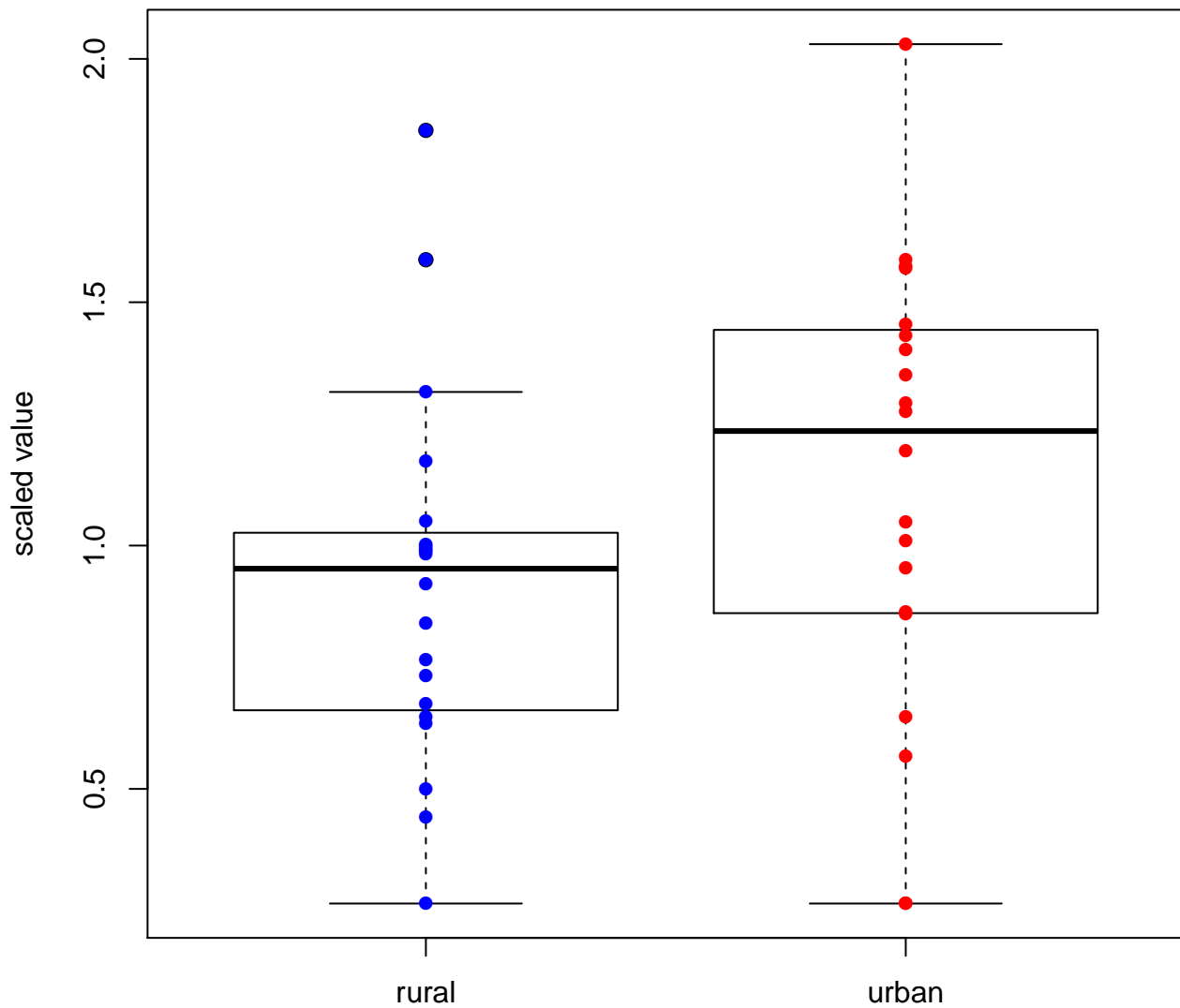
metabolite: pyruvate  
pAdjRuralUrban= 0.398



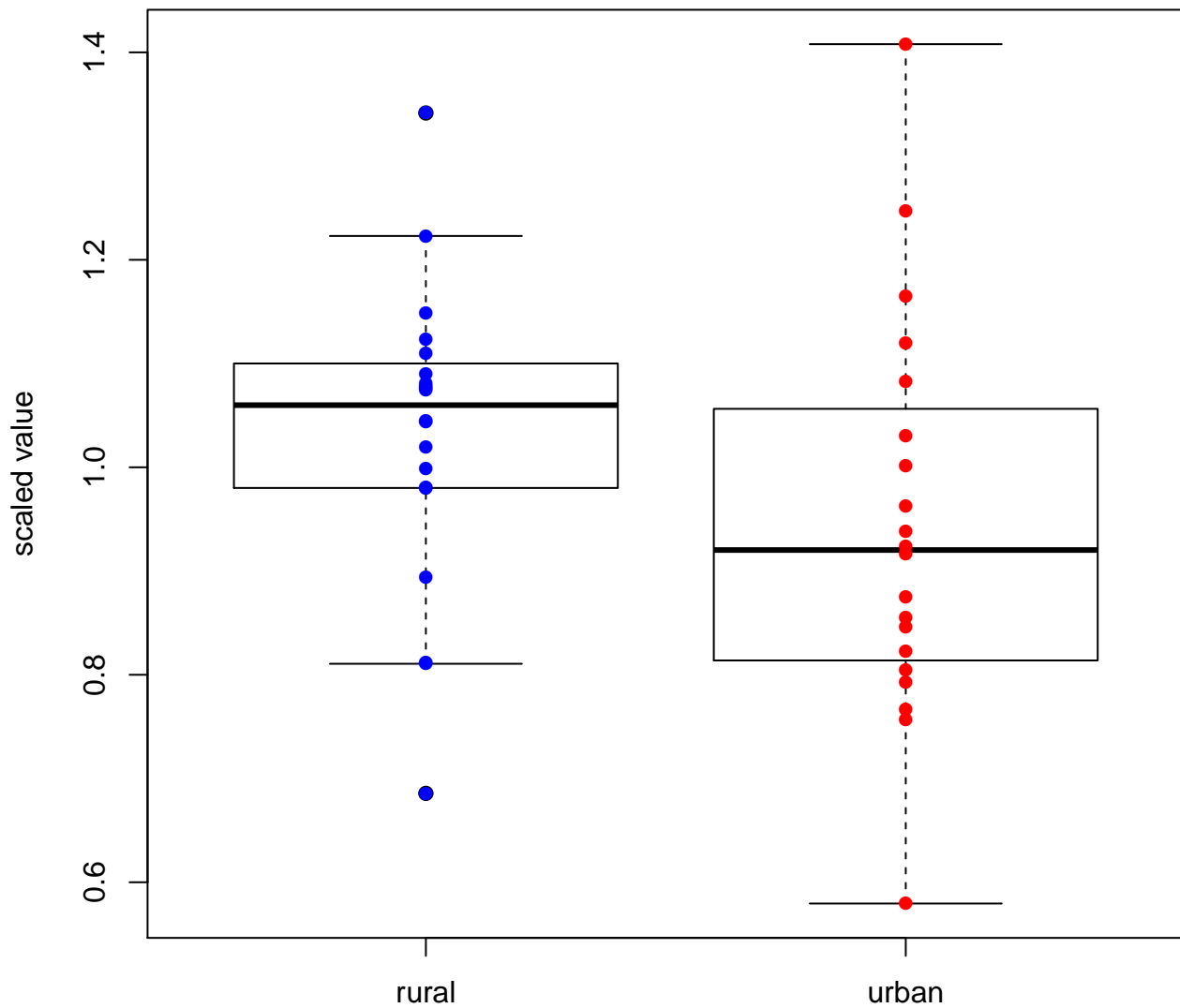
metabolite: acetoacetate  
pAdjRuralUrban= 0.423



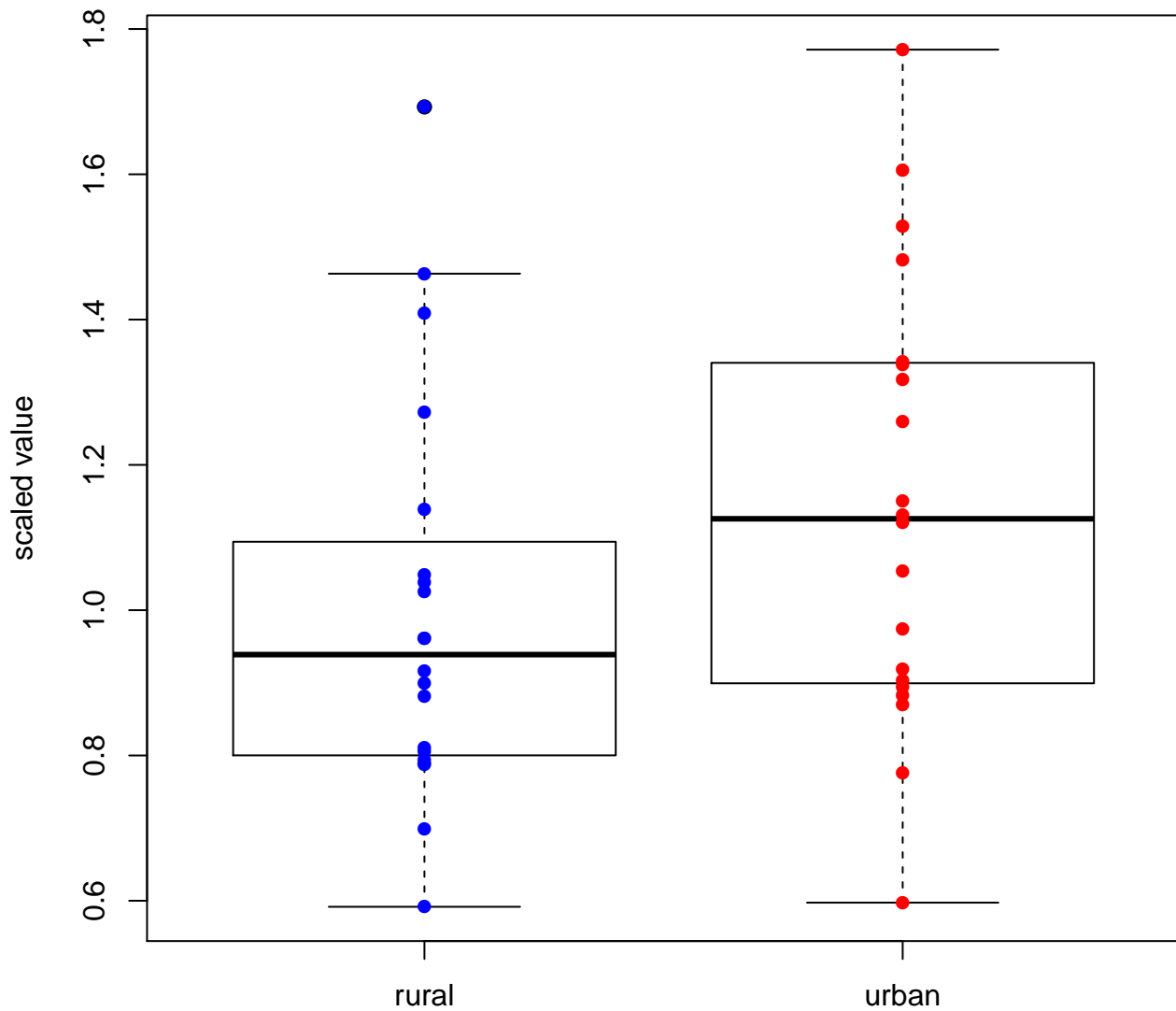
metabolite: beta-tocopherol  
pAdjRuralUrban= 0.423



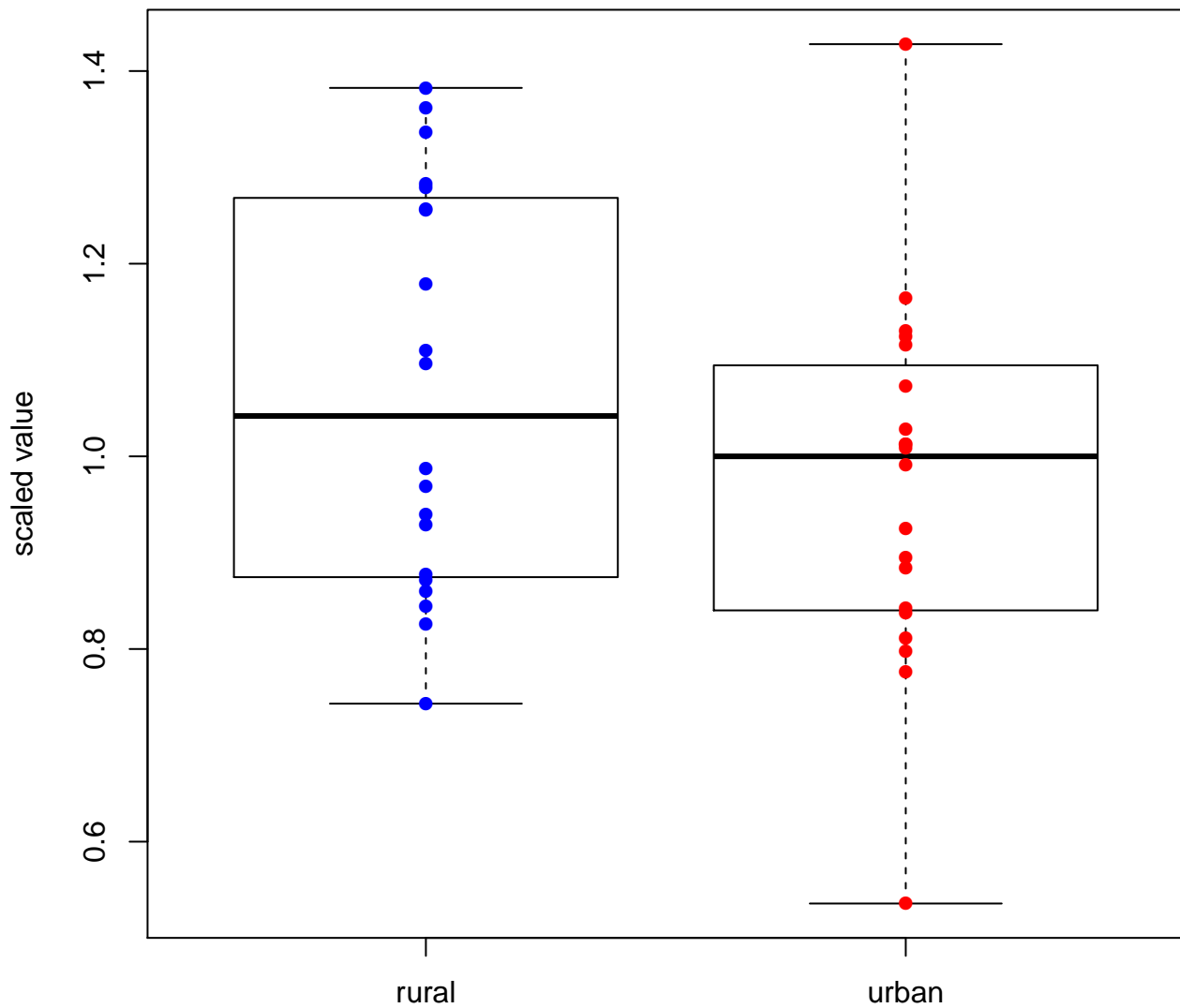
metabolite: betaine  
pAdjRuralUrban= 0.423



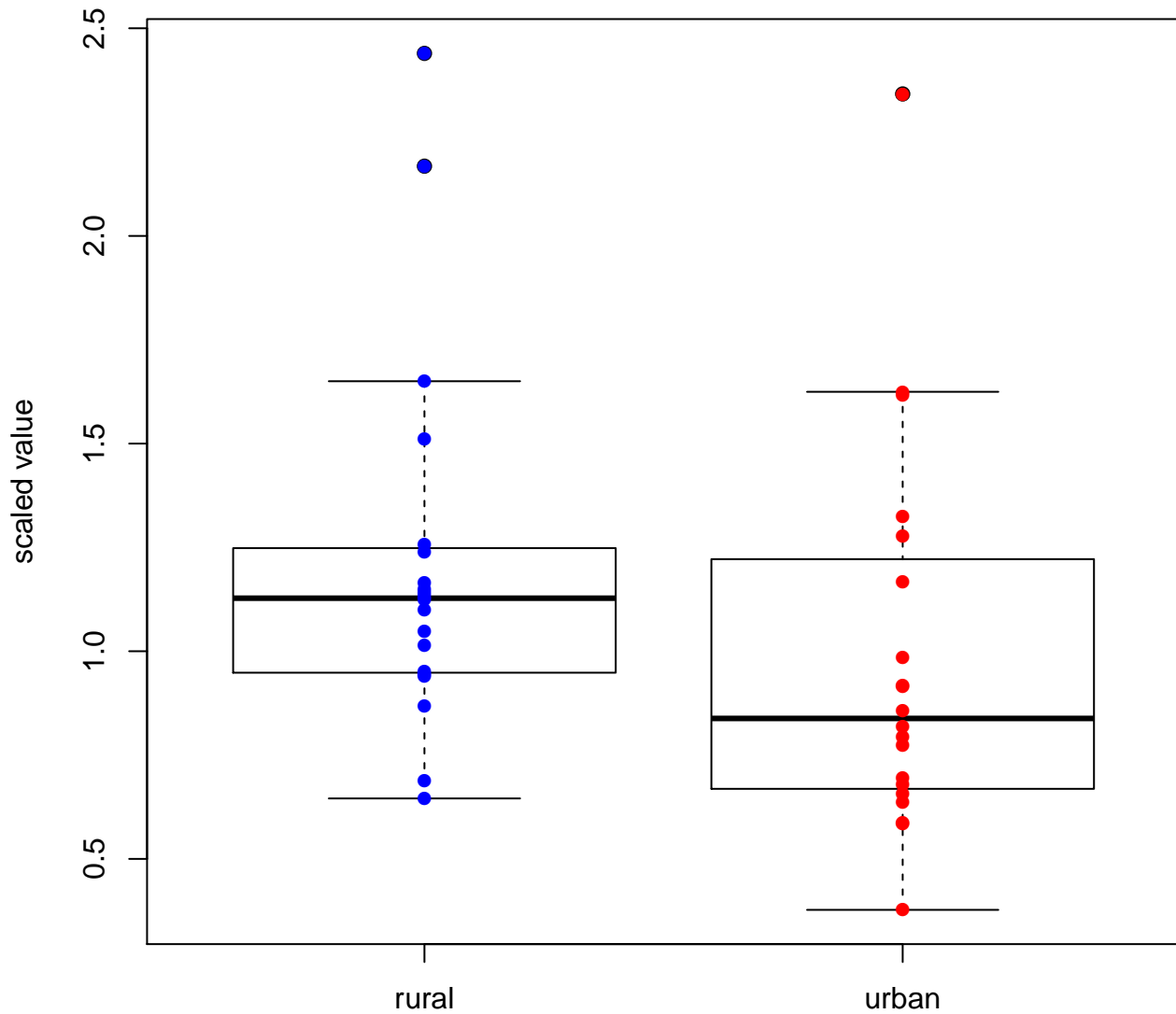
metabolite: threitol  
pAdjRuralUrban= 0.423



metabolite: tryptophan  
pAdjRuralUrban= 0.423

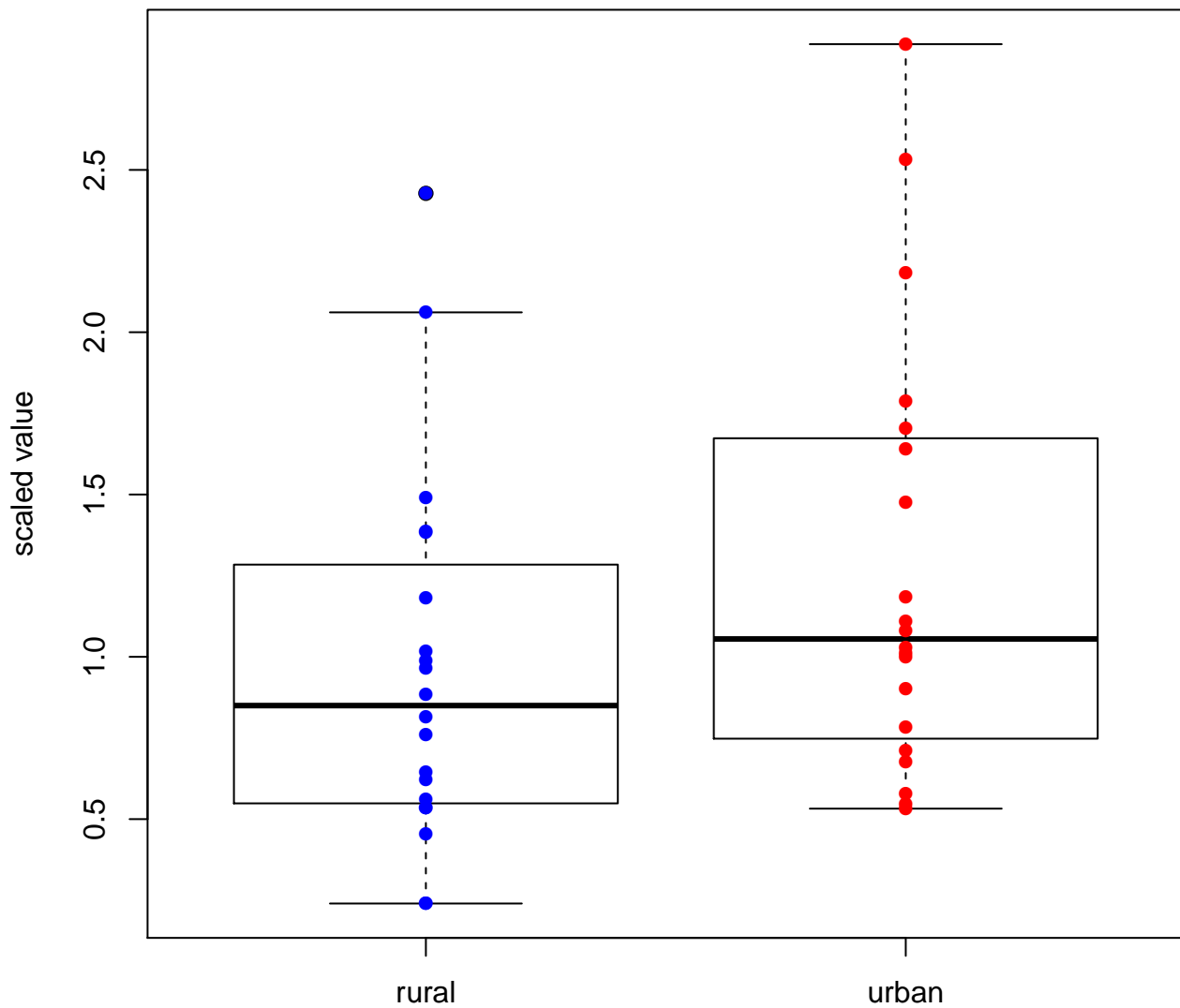


metabolite: trans-4-hydroxyproline  
pAdjRuralUrban= 0.424

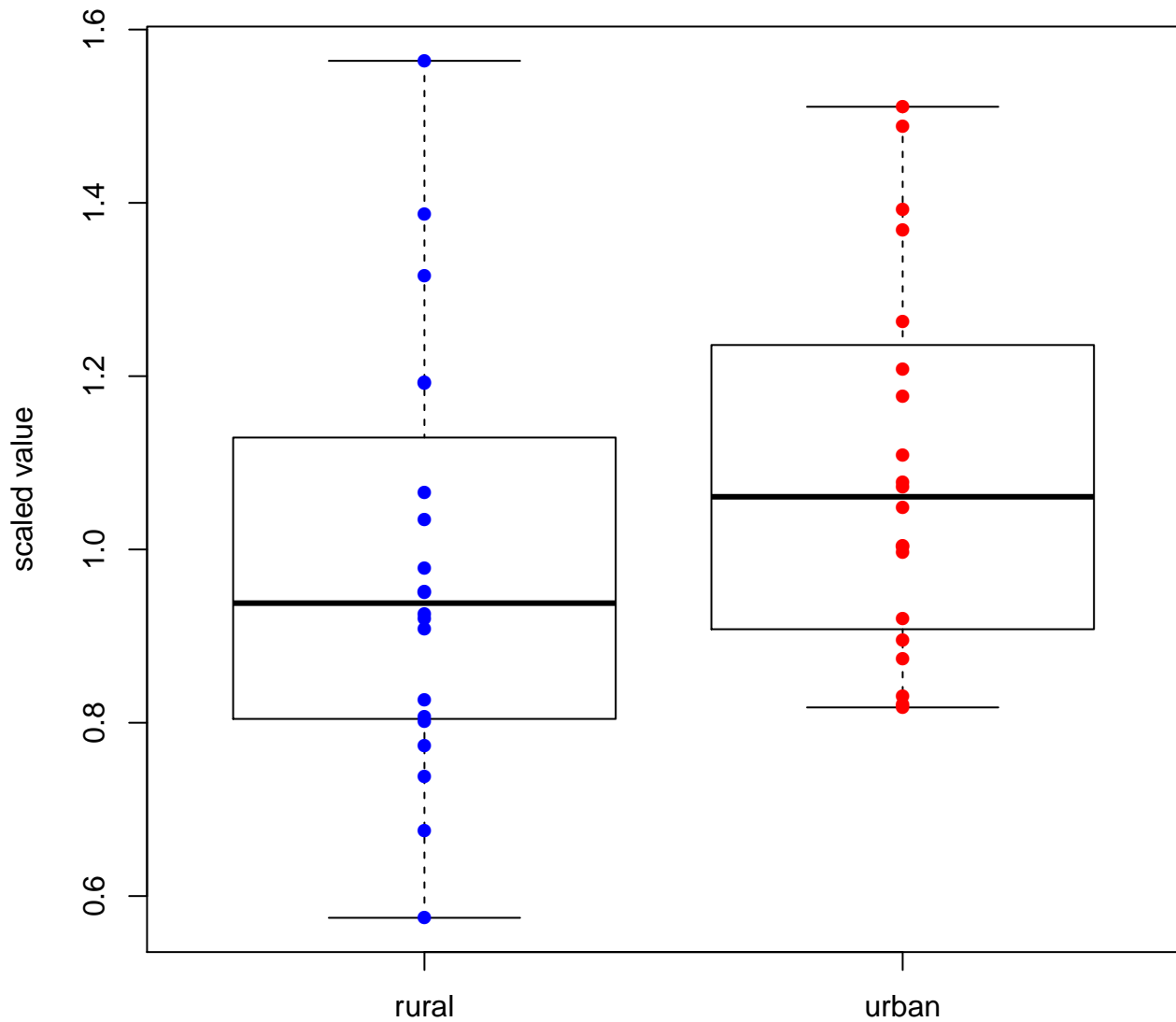




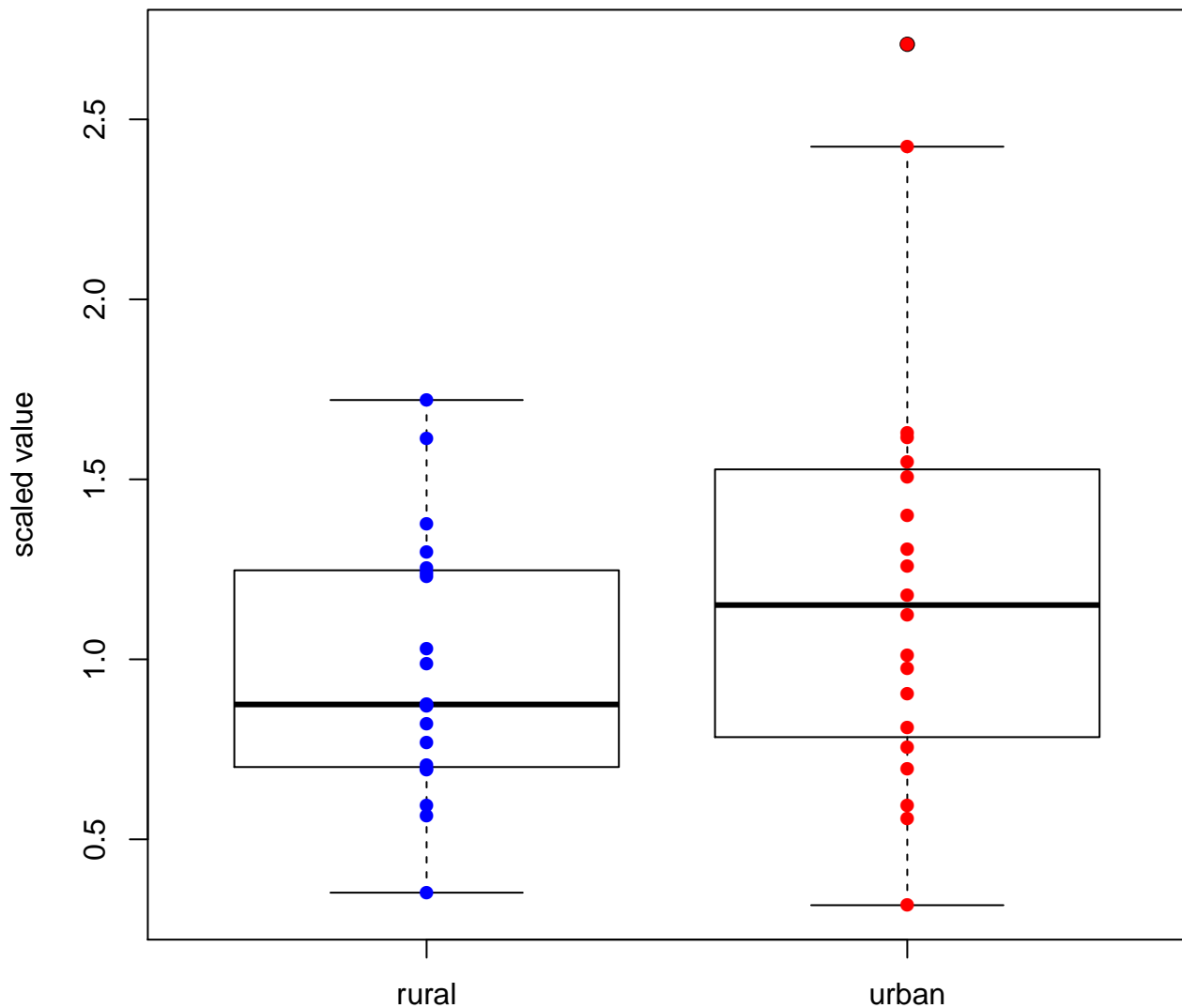
metabolite: ergothioneine  
pAdjRuralUrban= 0.432



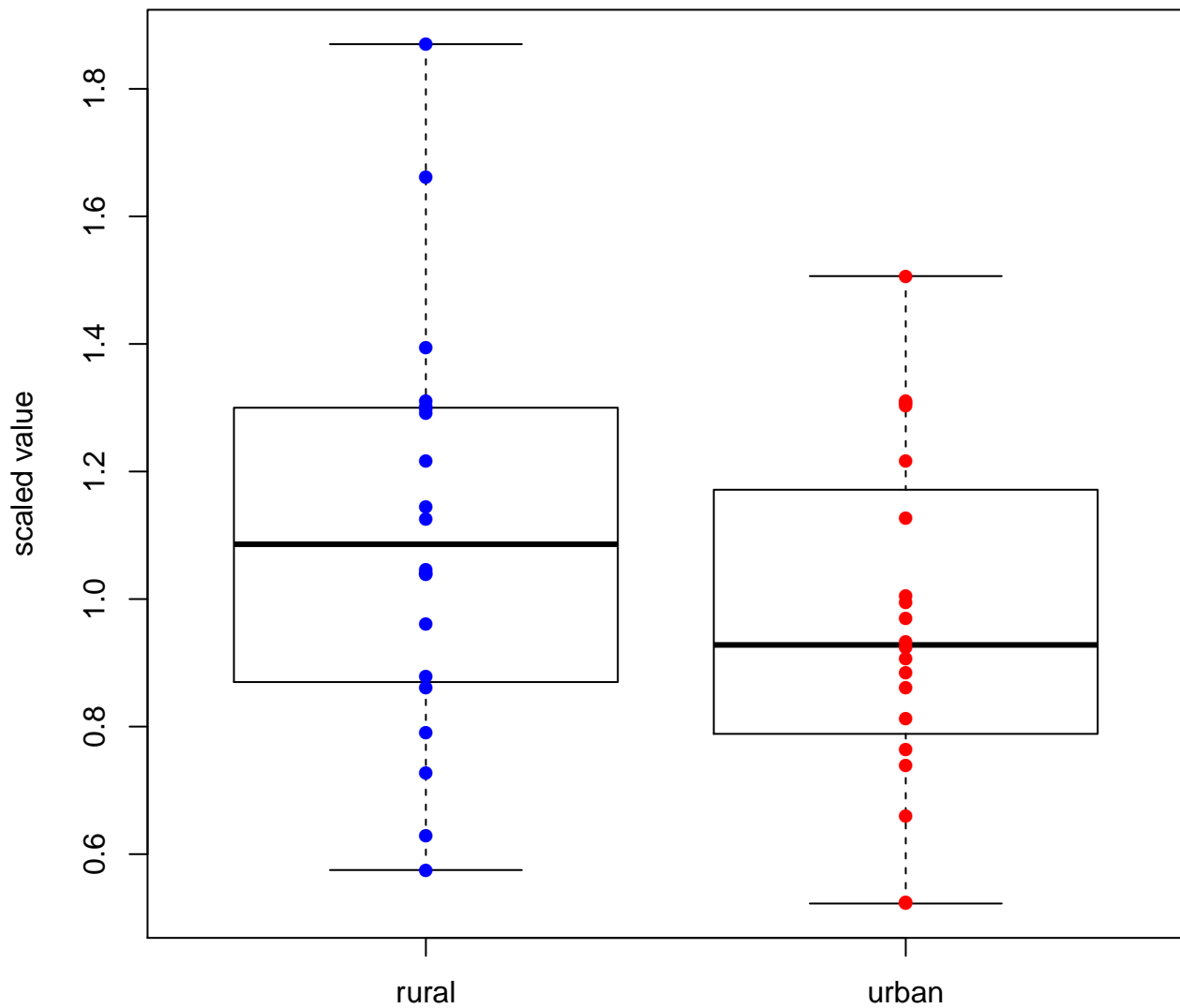
metabolite: arabinose  
pAdjRuralUrban= 0.442



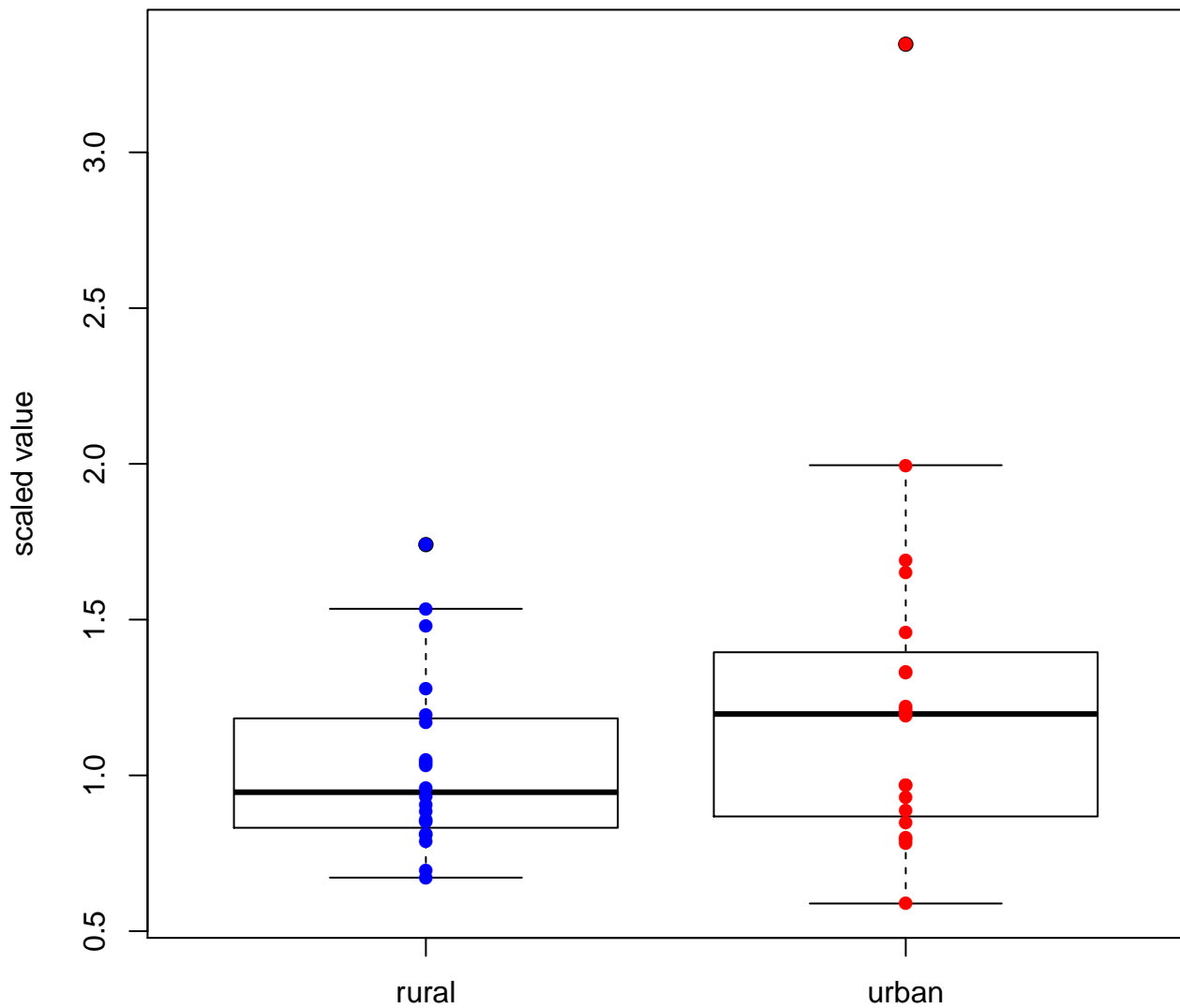
**metabolite: N1-Methyl-2-pyridone-5-carboxamide**  
**pAdjRuralUrban= 0.451**



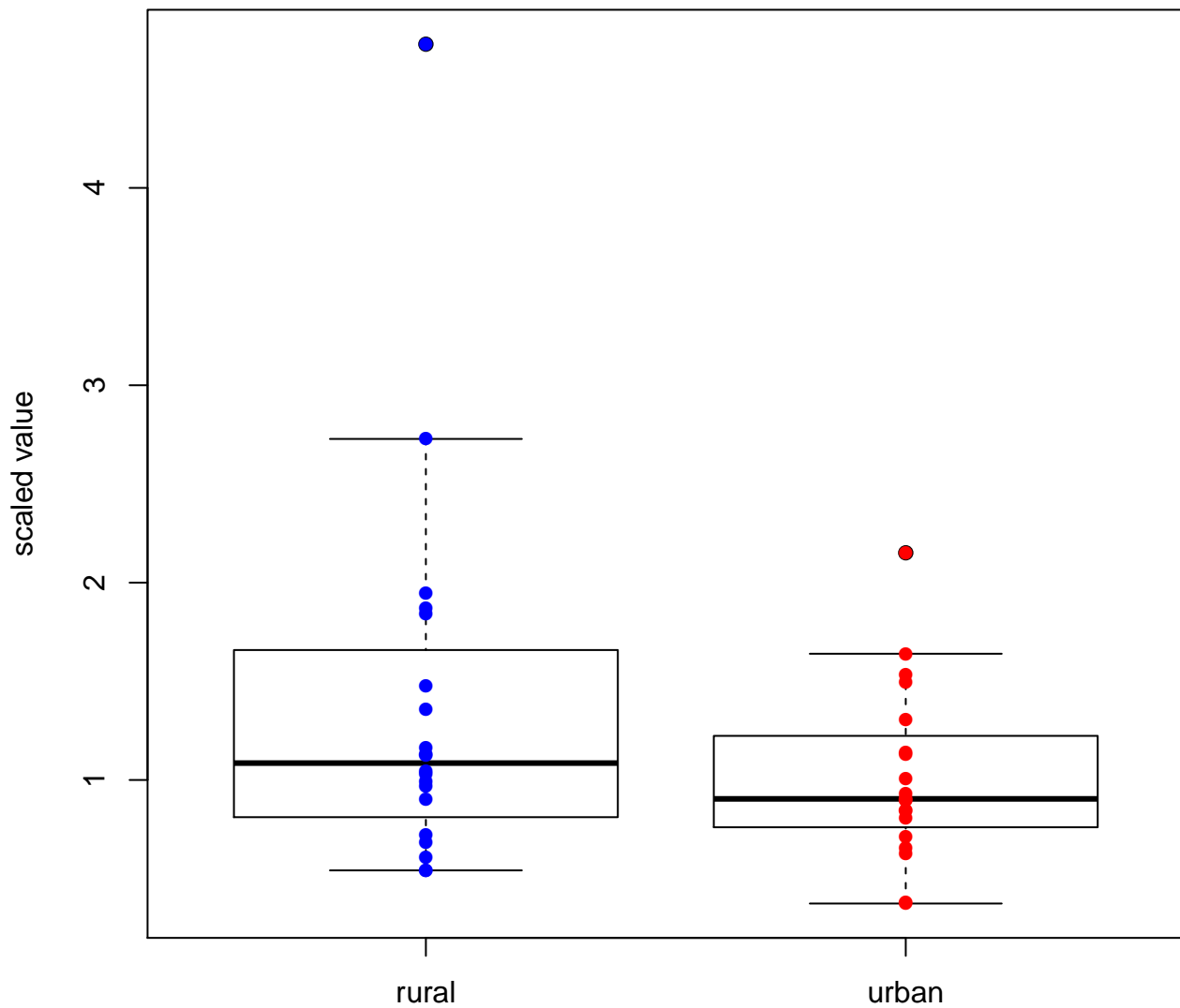
metabolite: succinylcarnitine  
pAdjRuralUrban= 0.451



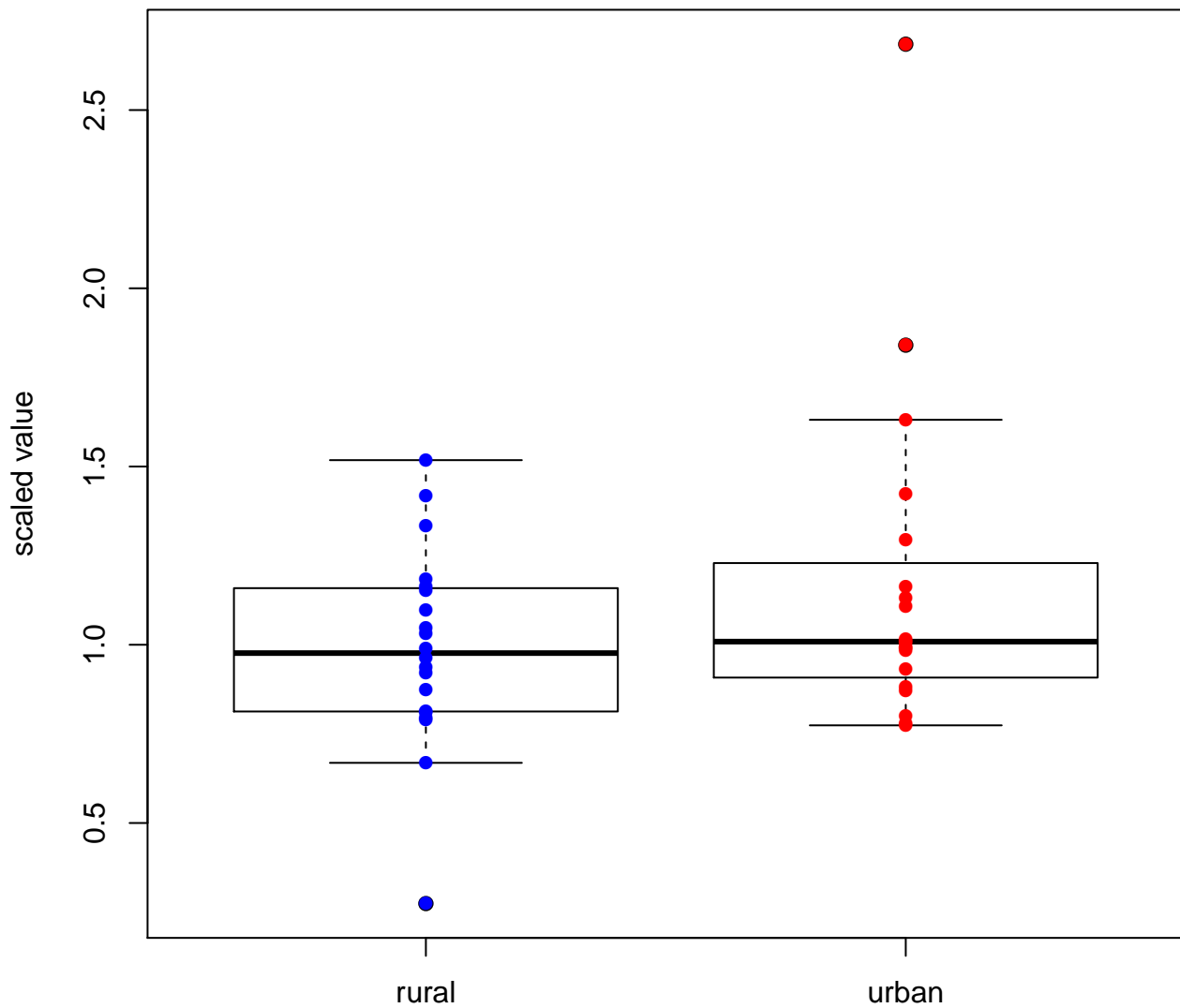
metabolite: ADSGEGDFXAEGGGVR  
pAdjRuralUrban= 0.462



metabolite: isobutyrylcarnitine  
pAdjRuralUrban= 0.462

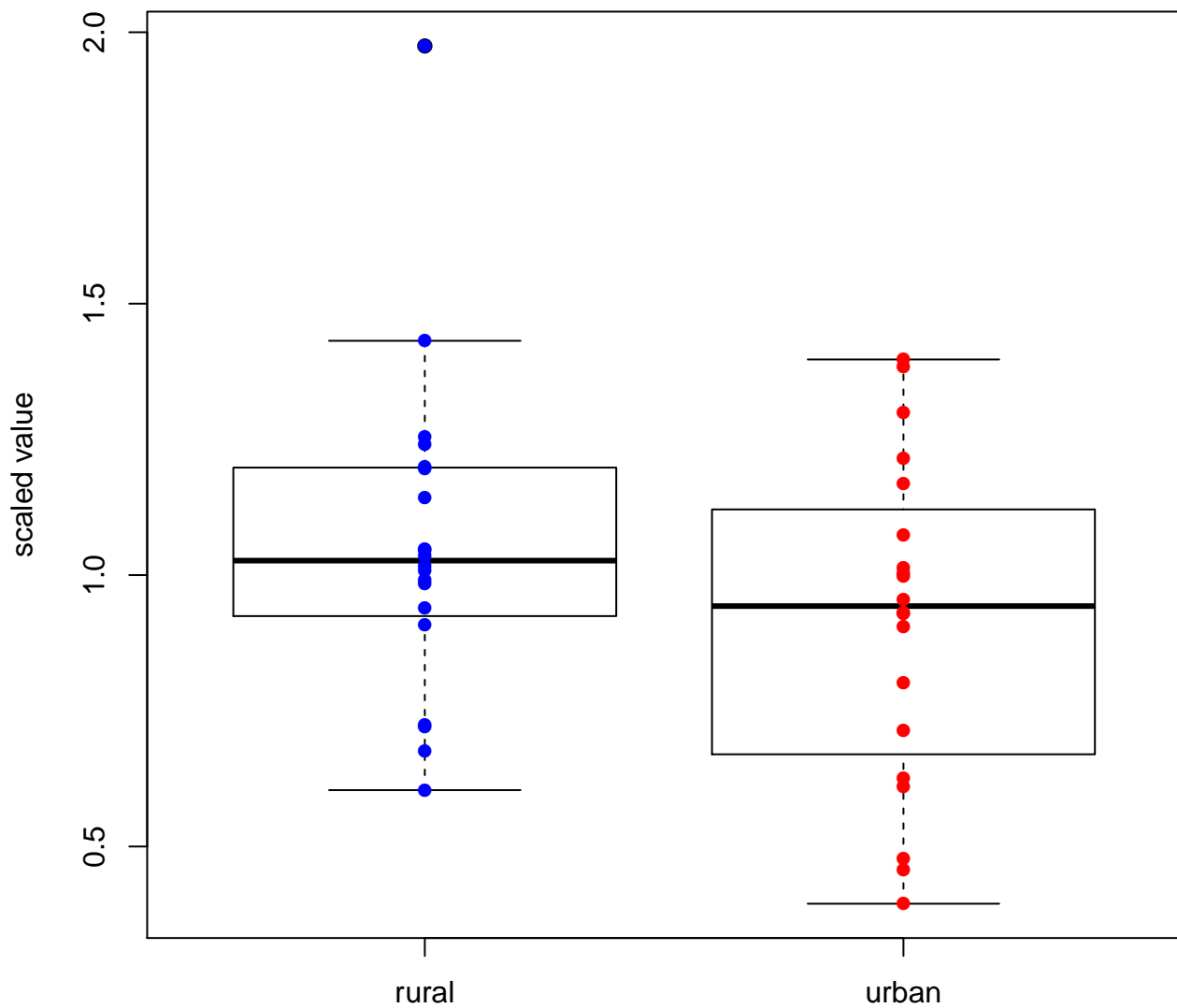


metabolite: allo-isoleucine  
pAdjRuralUrban= 0.473



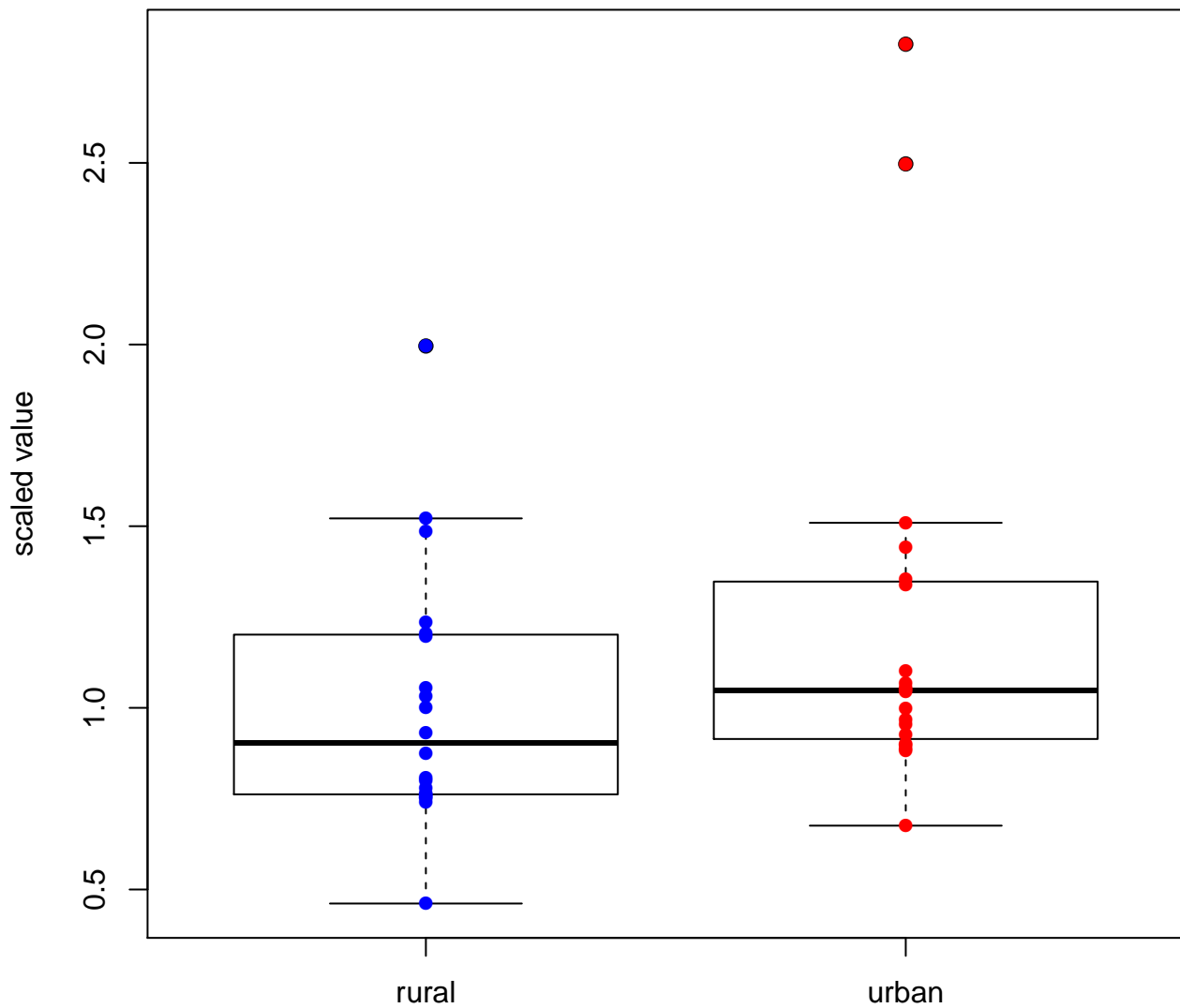
metabolite: 1-stearoyl-GPI (18:0)

pAdjRuralUrban= 0.475

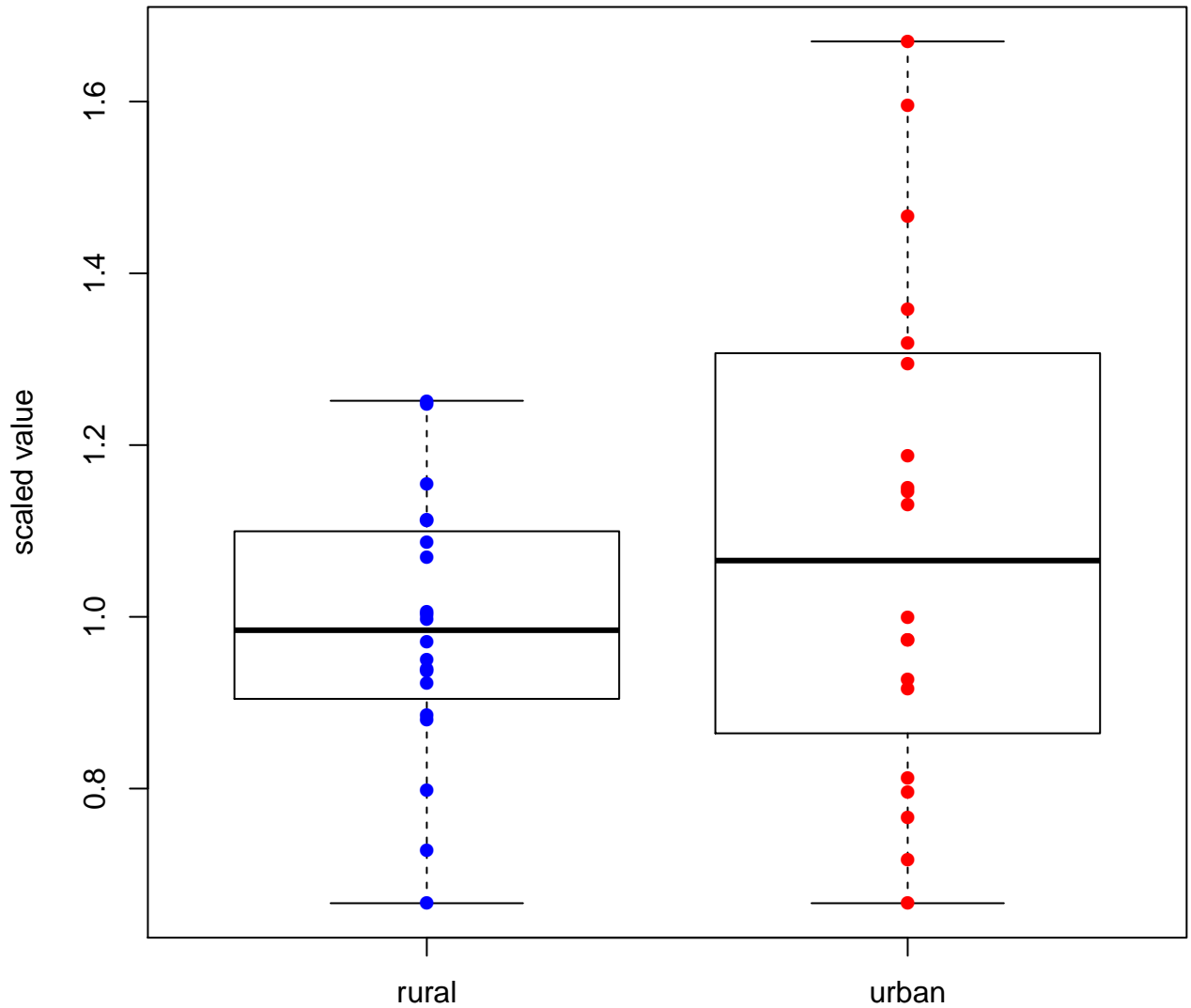




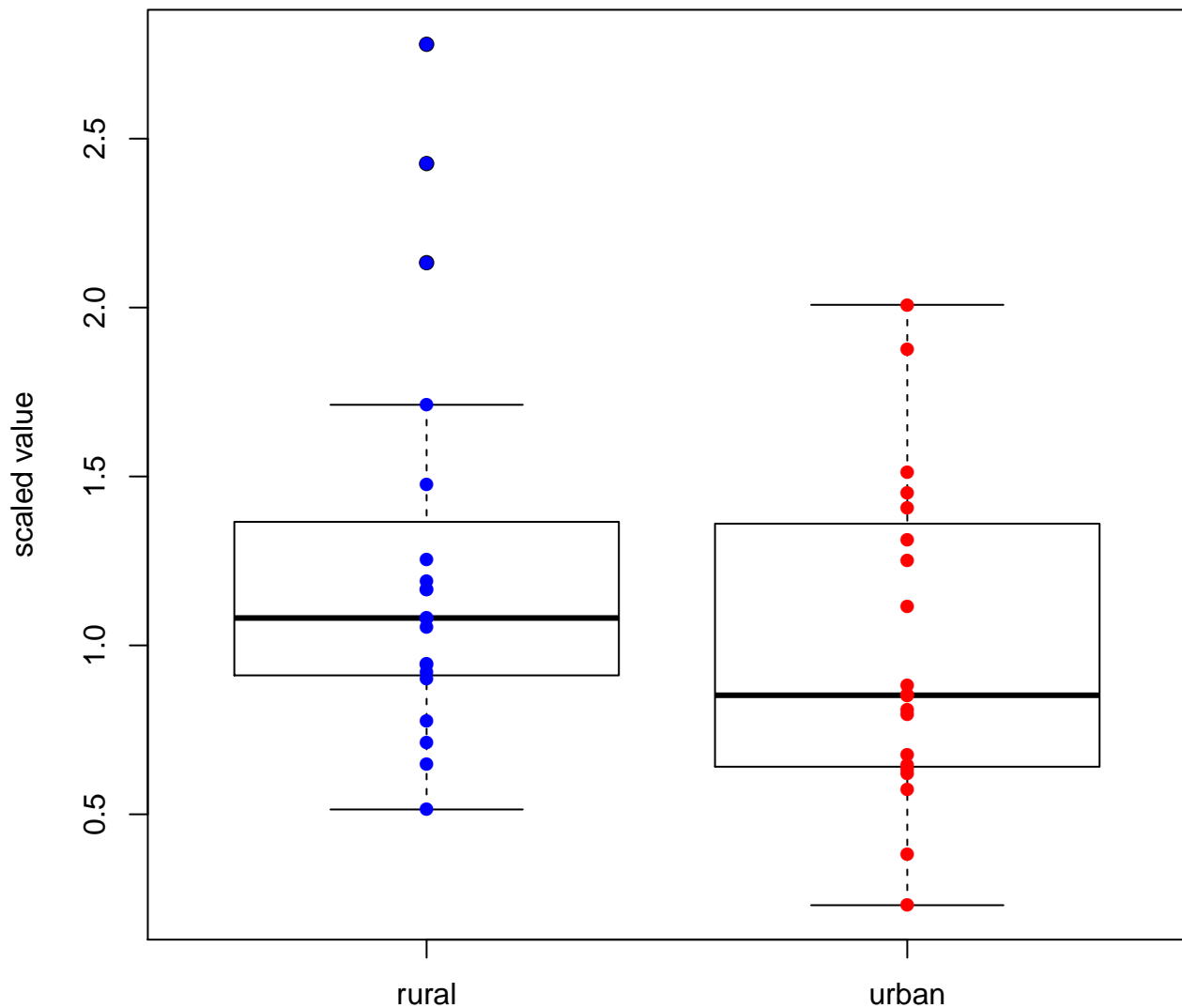
metabolite: azelate (nonanedioate)  
pAdjRuralUrban= 0.475



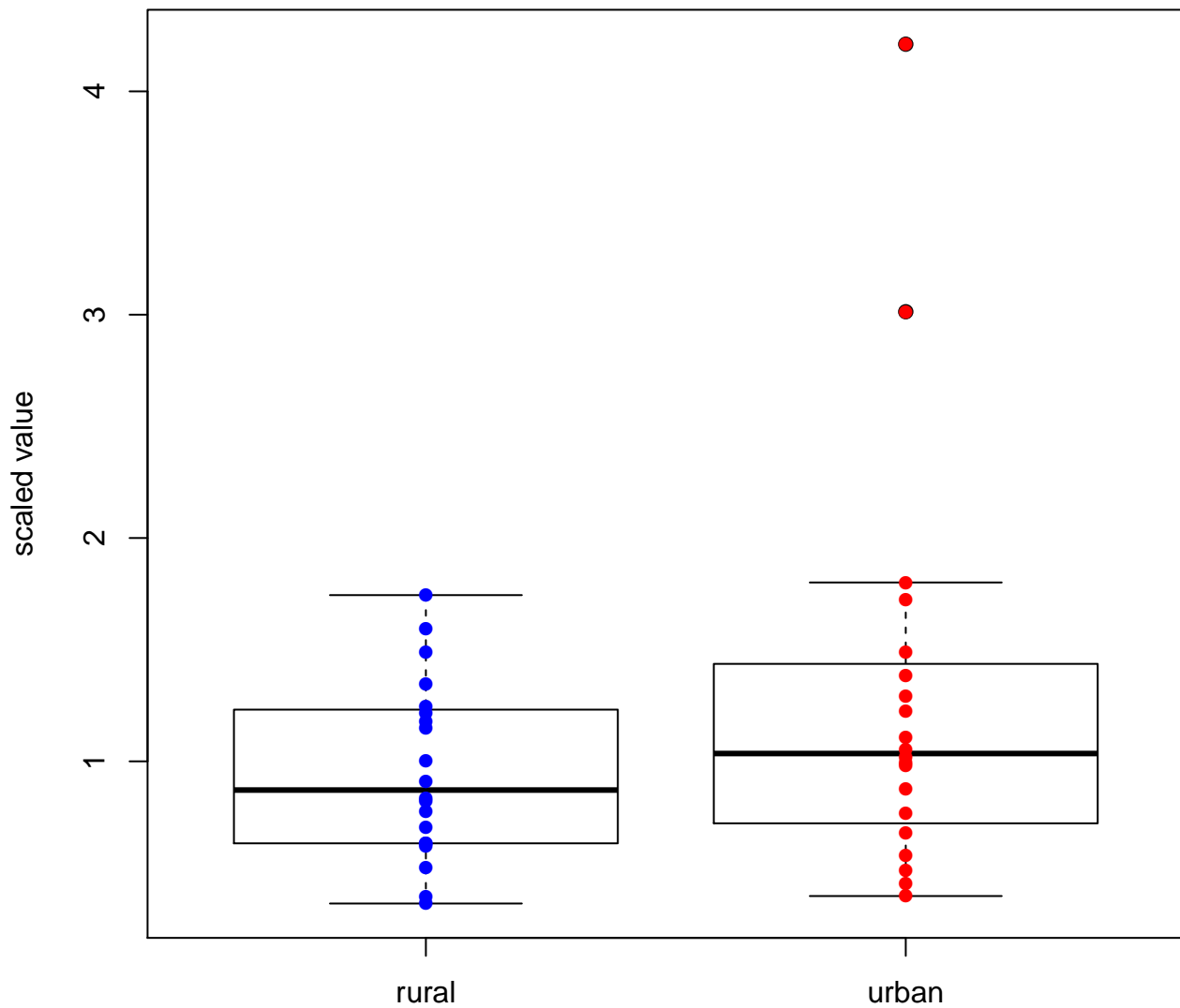
metabolite: dimethylarginine (SDMA + ADMA)  
pAdjRuralUrban= 0.475



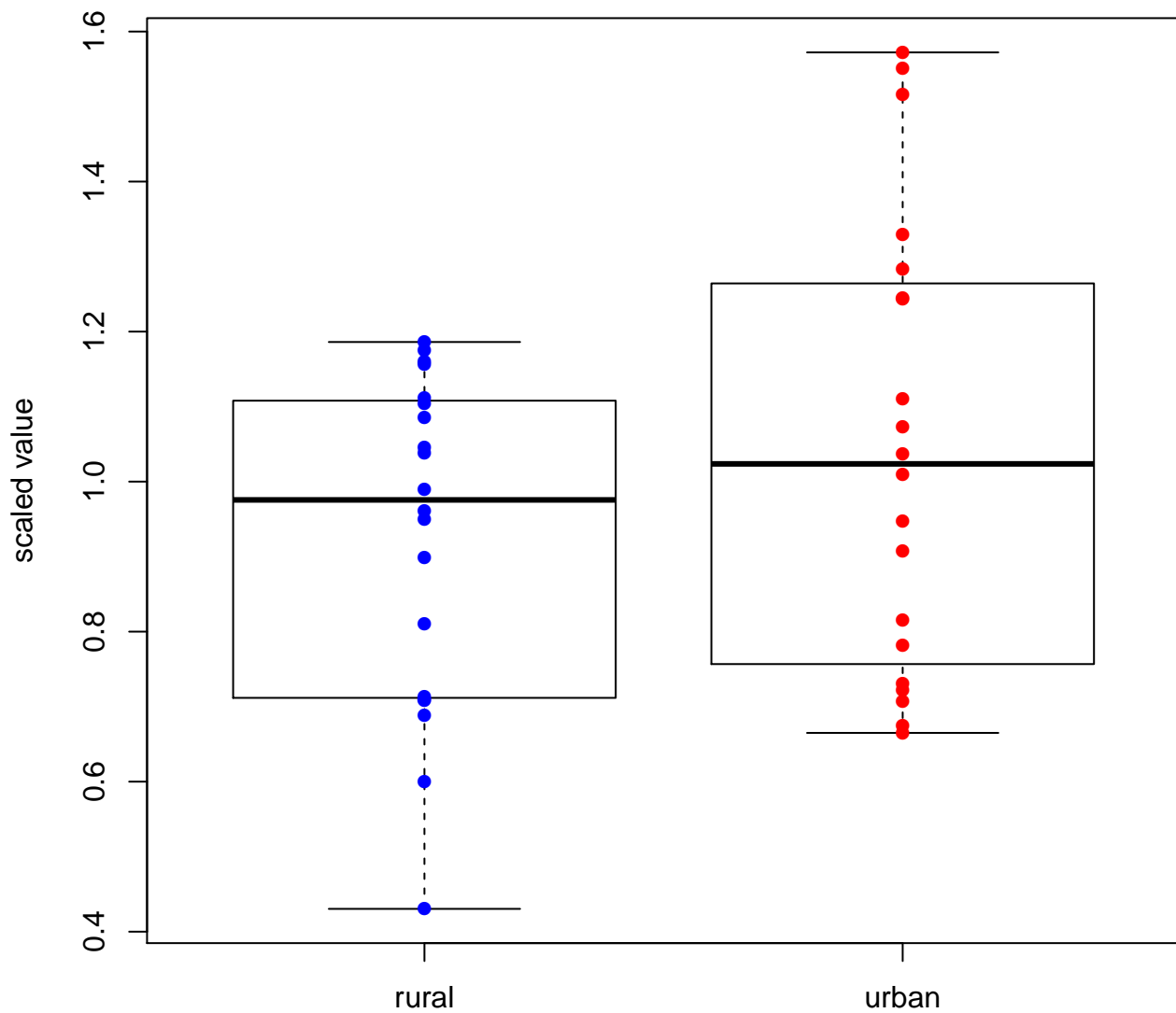
metabolite: pregn steroid monosulfate  
pAdjRuralUrban= 0.475



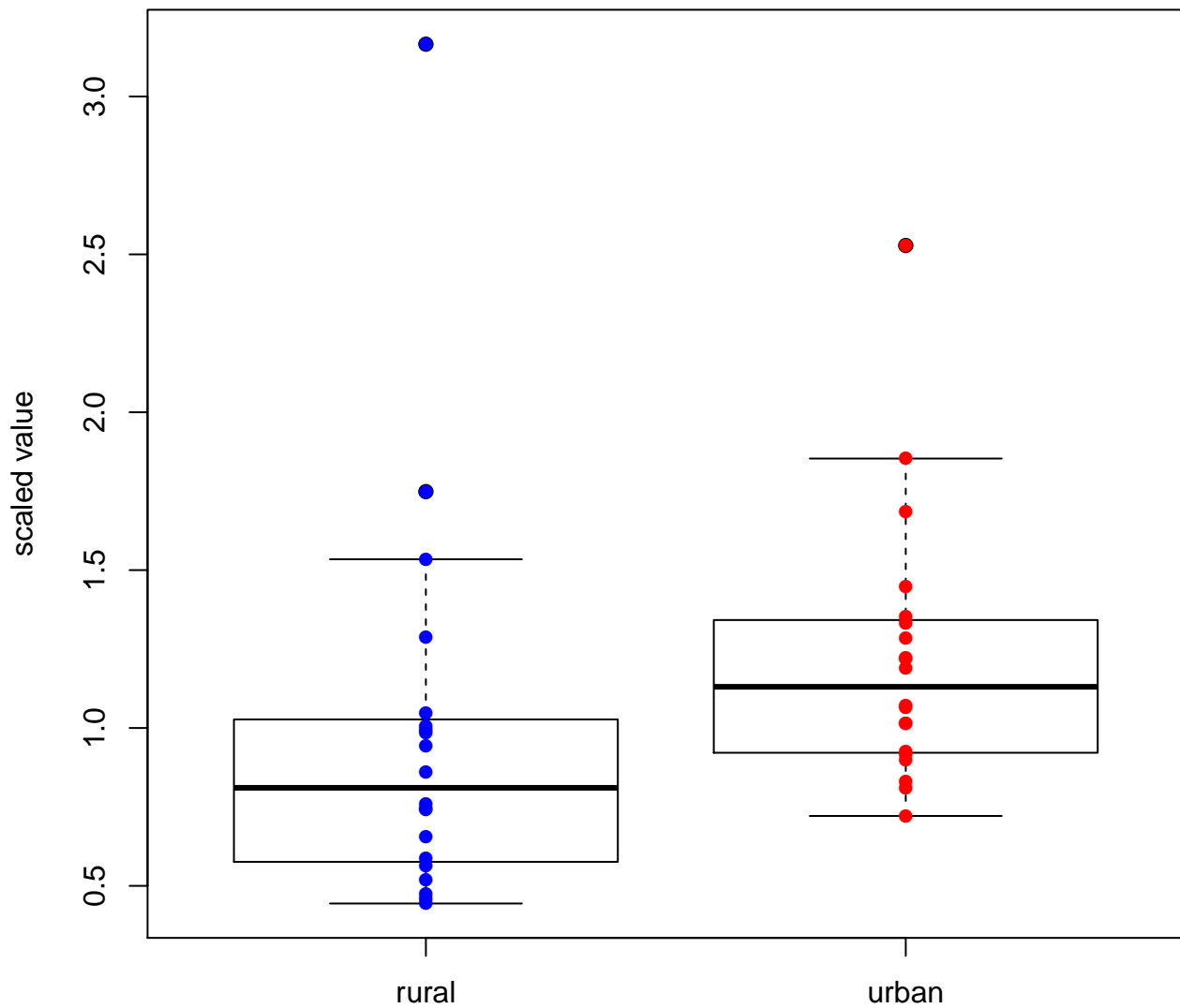
metabolite: alpha-hydroxyisovalerate  
pAdjRuralUrban= 0.485



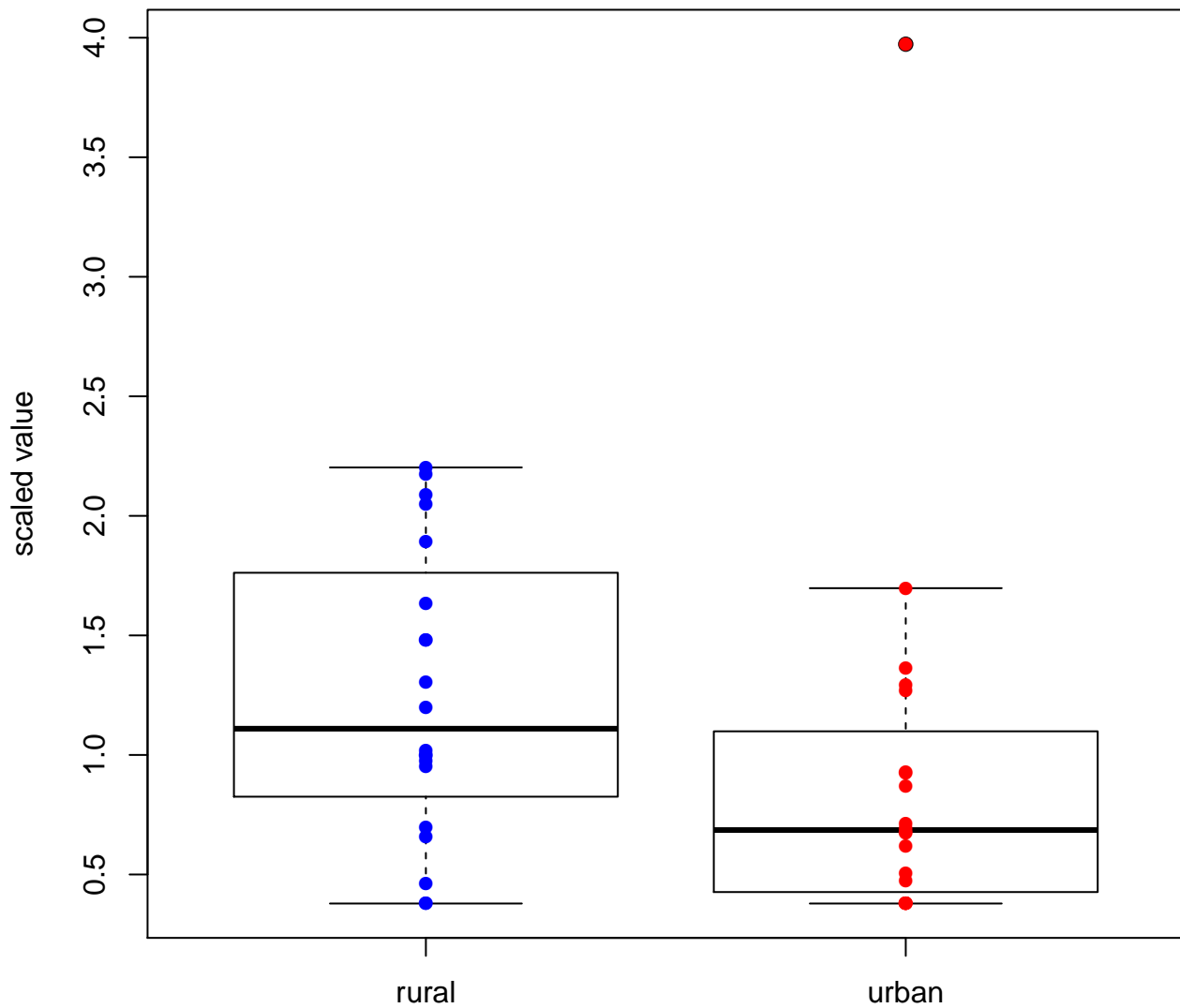
metabolite: O-sulfo-L-tyrosine  
pAdjRuralUrban= 0.485



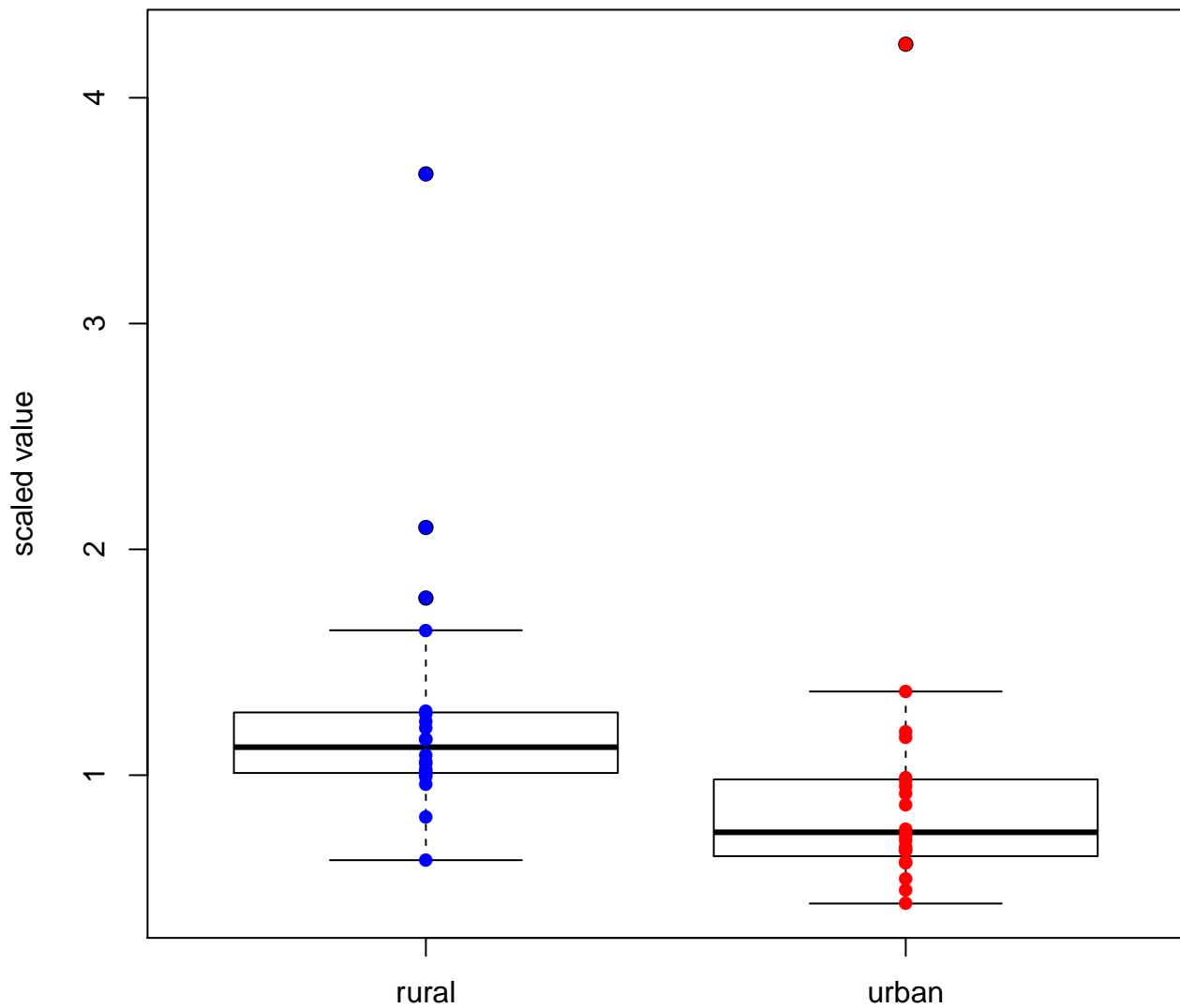
metabolite: ornithine  
pAdjRuralUrban= 0.485



metabolite: etiocholanolone glucuronide  
pAdjRuralUrban= 0.486

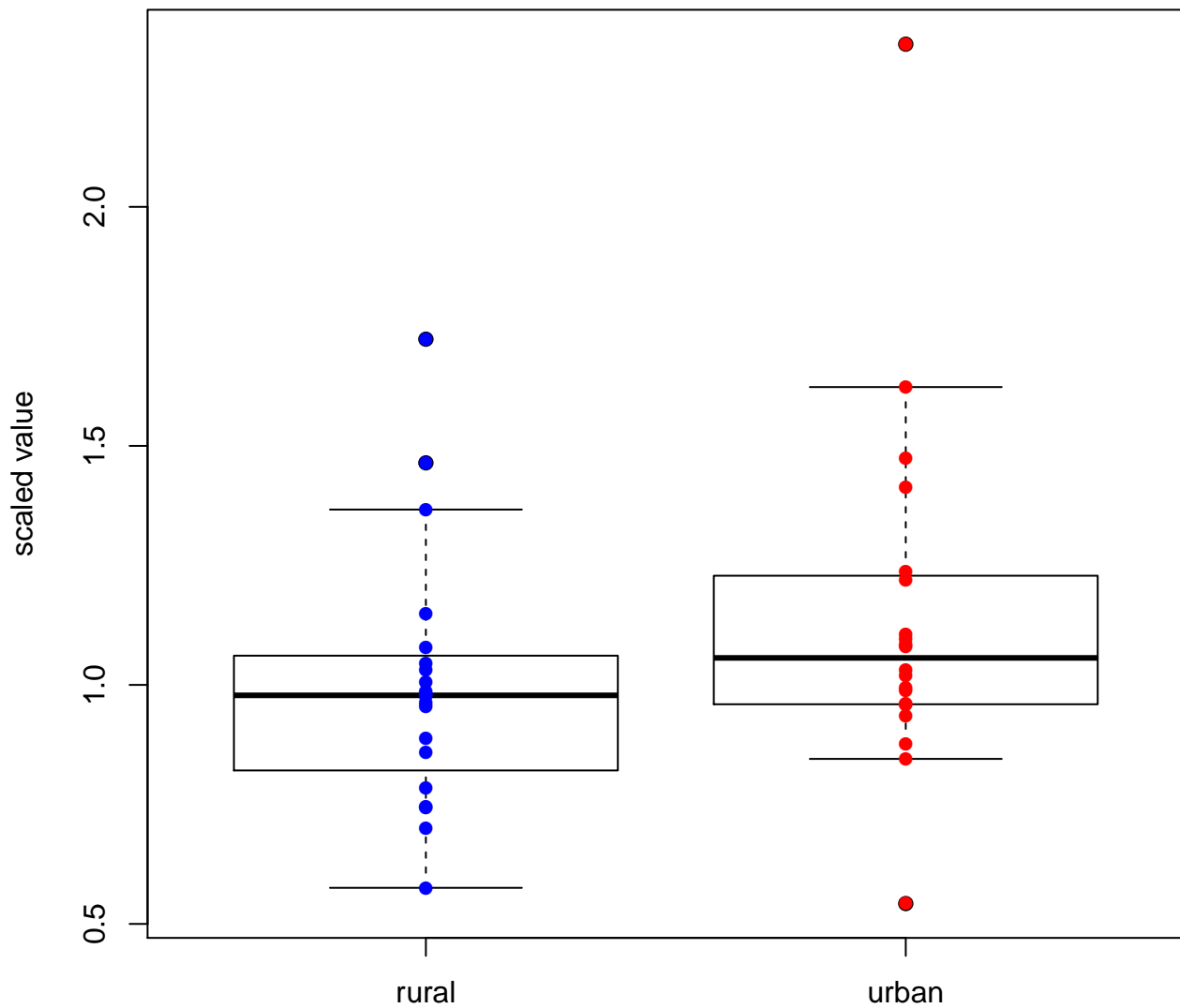


metabolite: 1-palmitoyl-GPC (16:0)  
pAdjRuralUrban= 0.487

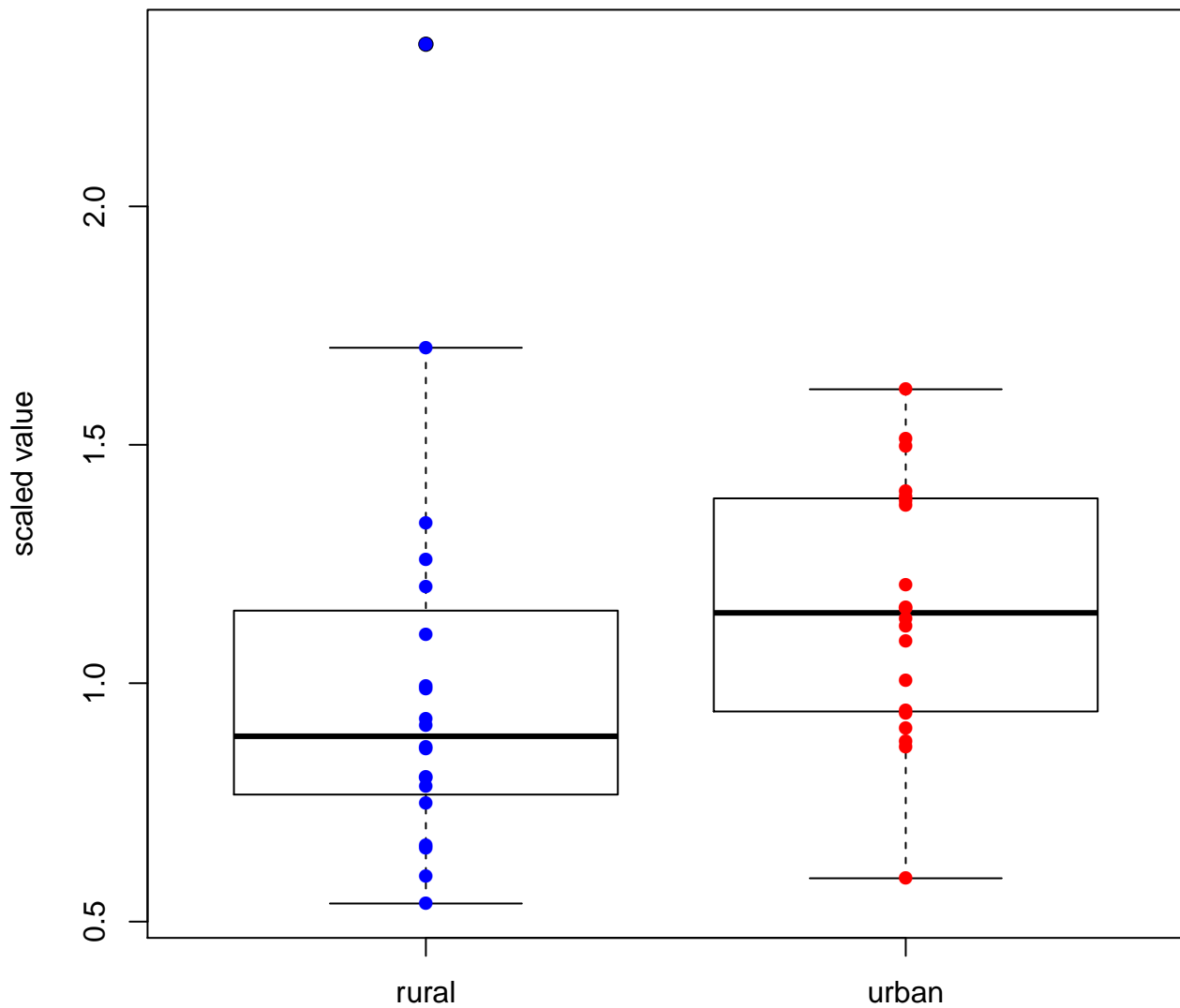




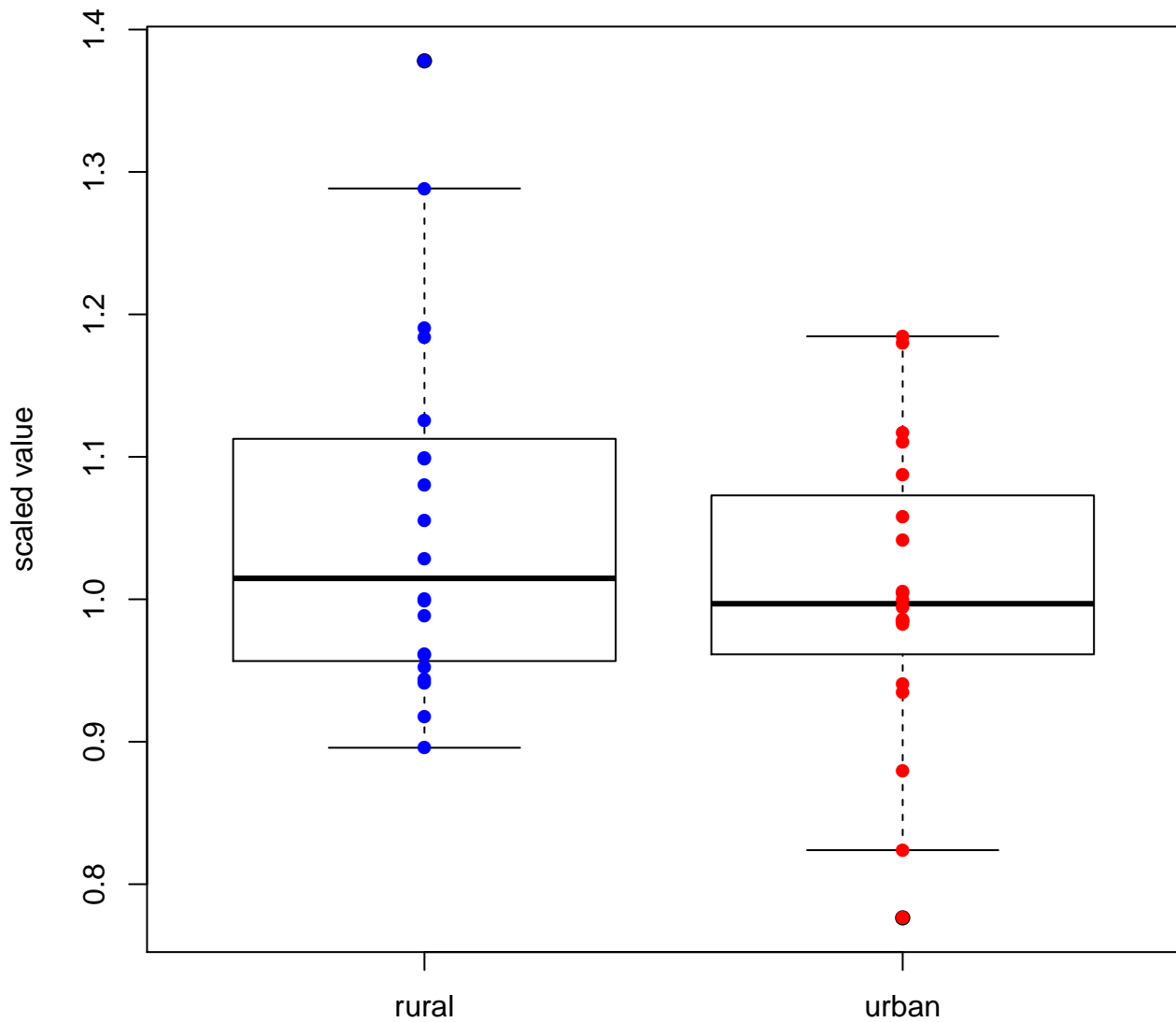
metabolite: gamma-glutamylleucine  
pAdjRuralUrban= 0.494



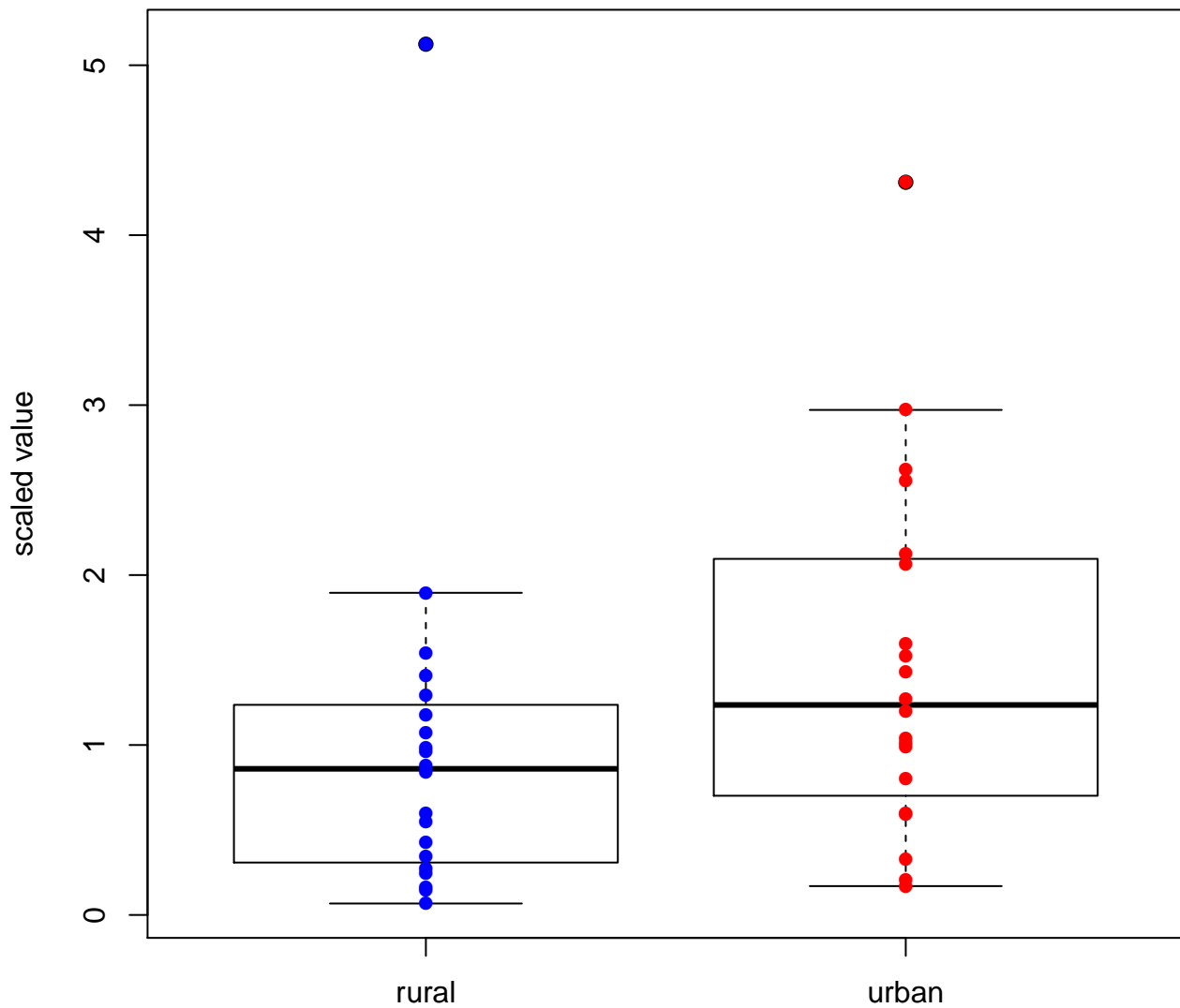
metabolite: gamma-glutamyltyrosine  
pAdjRuralUrban= 0.494



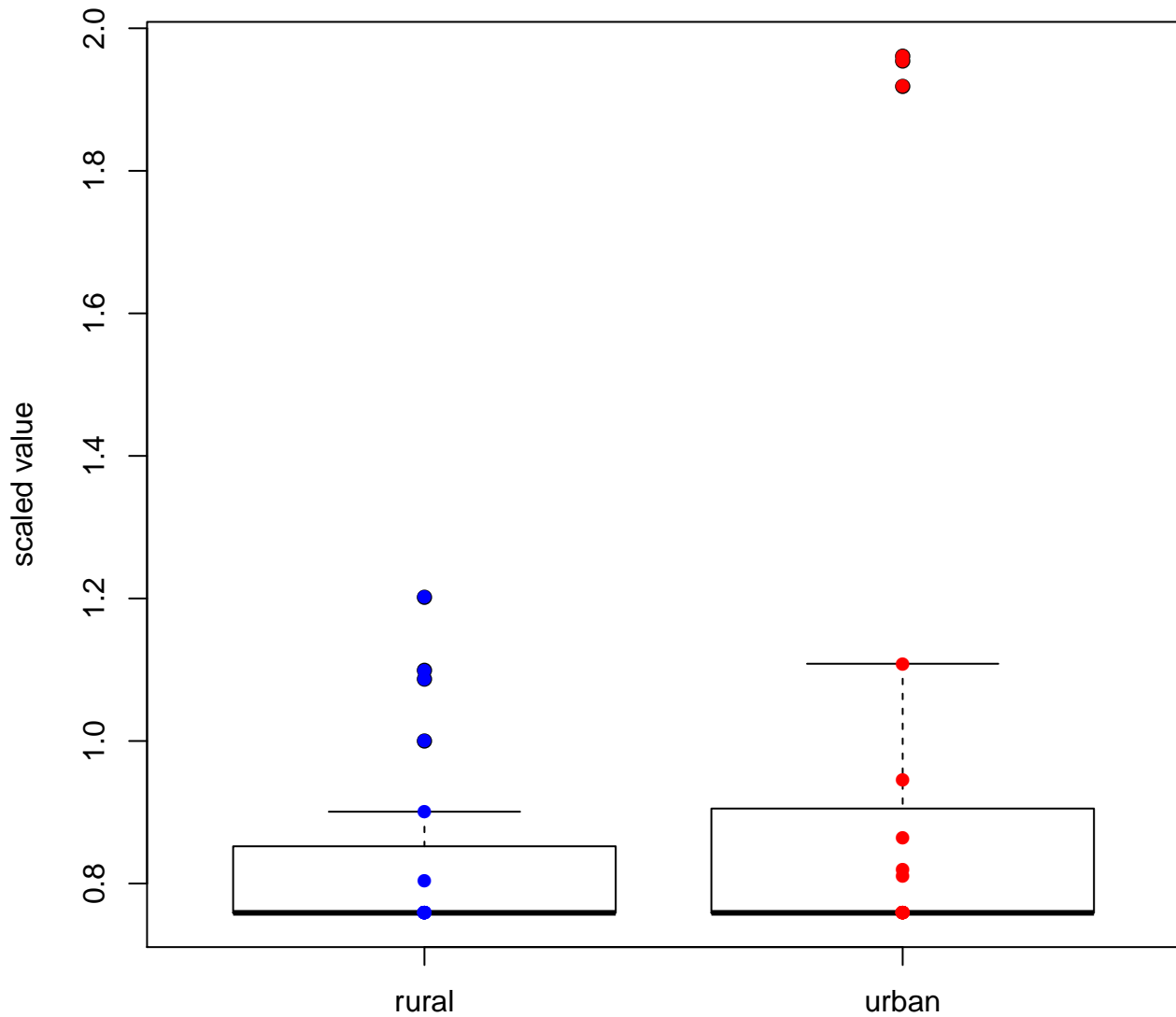
metabolite: glutamine  
pAdjRuralUrban= 0.494



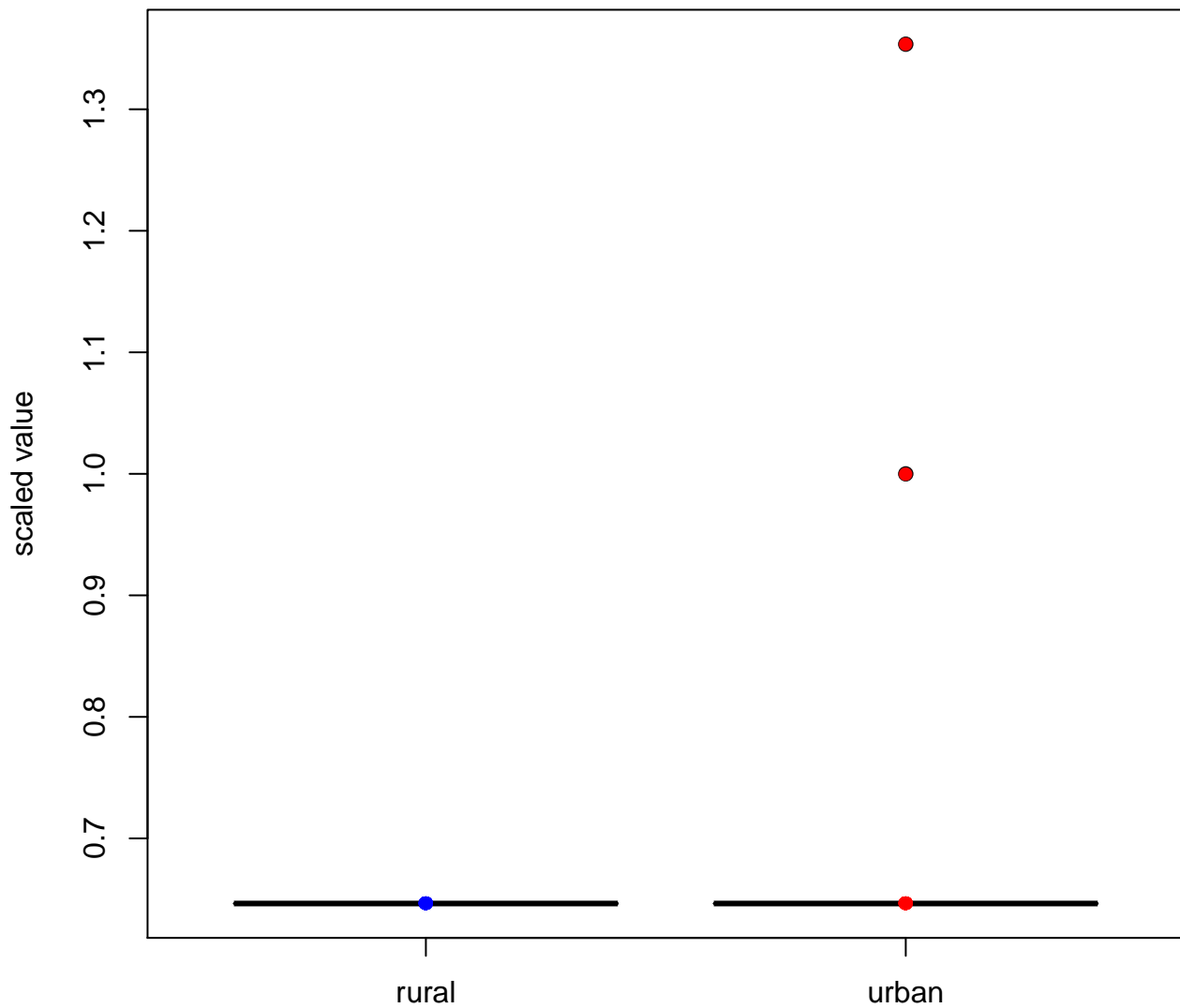
metabolite: glyoursodeoxycholate  
pAdjRuralUrban= 0.494



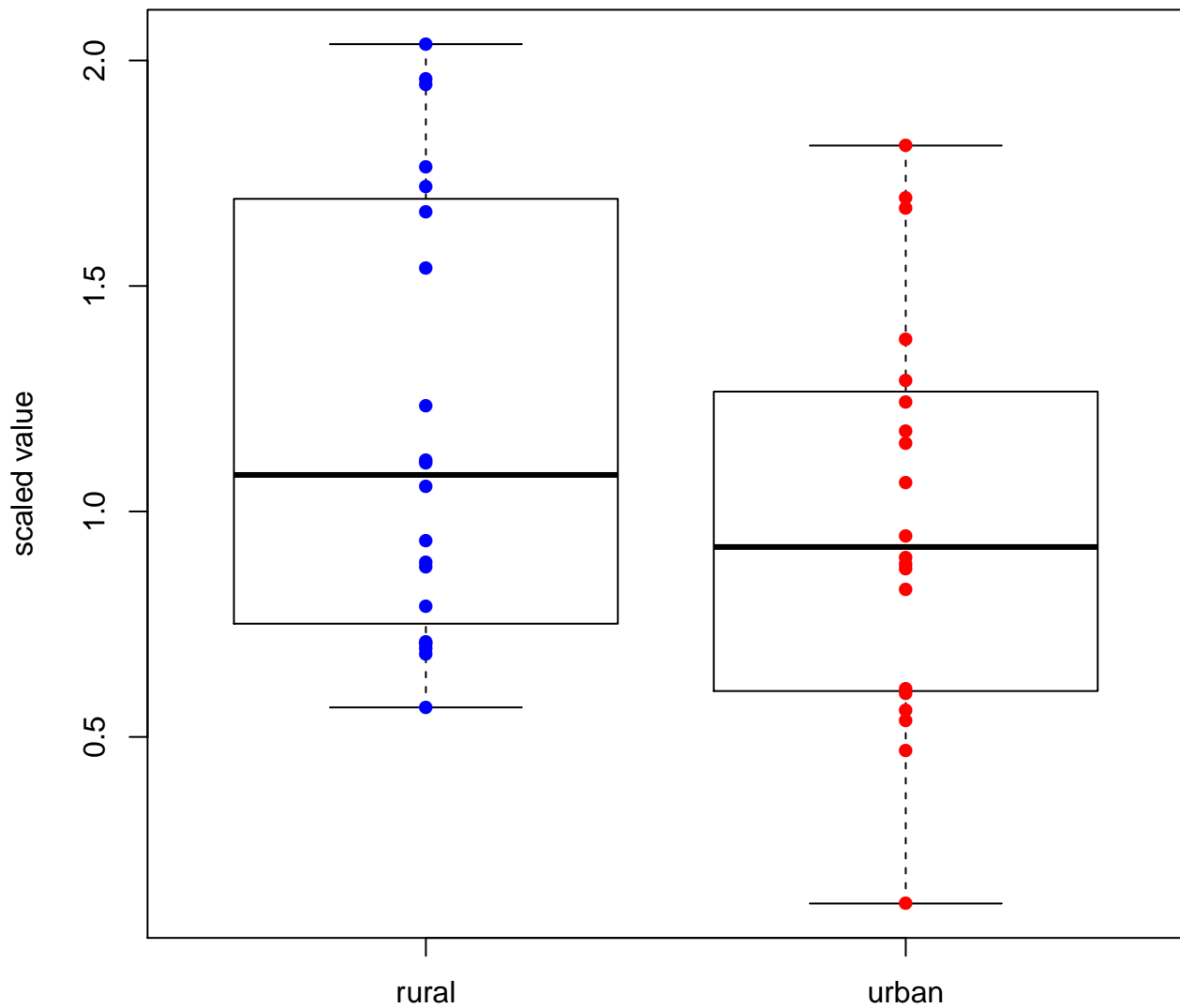
metabolite: imidazole propionate  
pAdjRuralUrban= 0.494



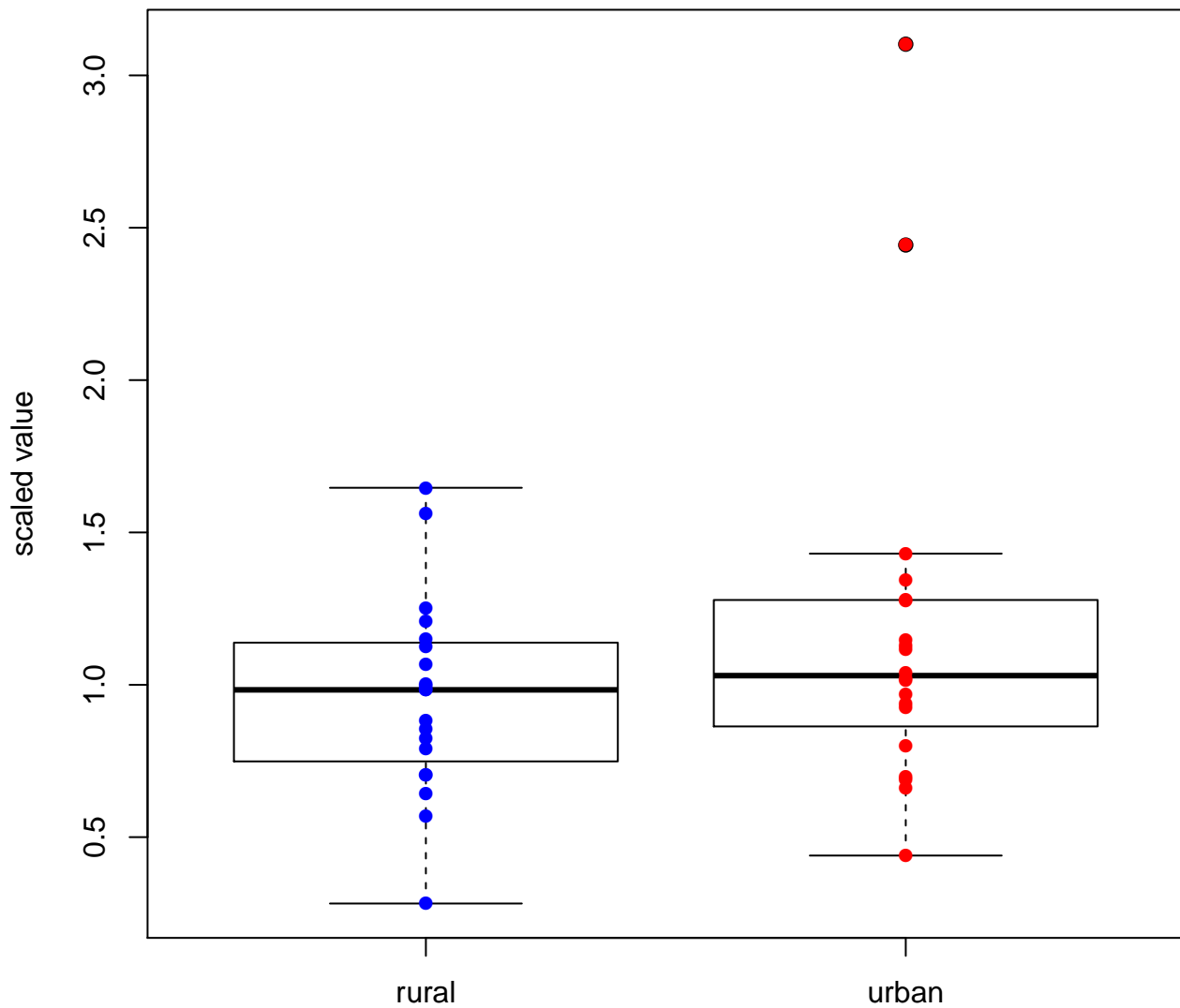
metabolite: metformin  
pAdjRuralUrban= 0.494



metabolite: urea  
pAdjRuralUrban= 0.494

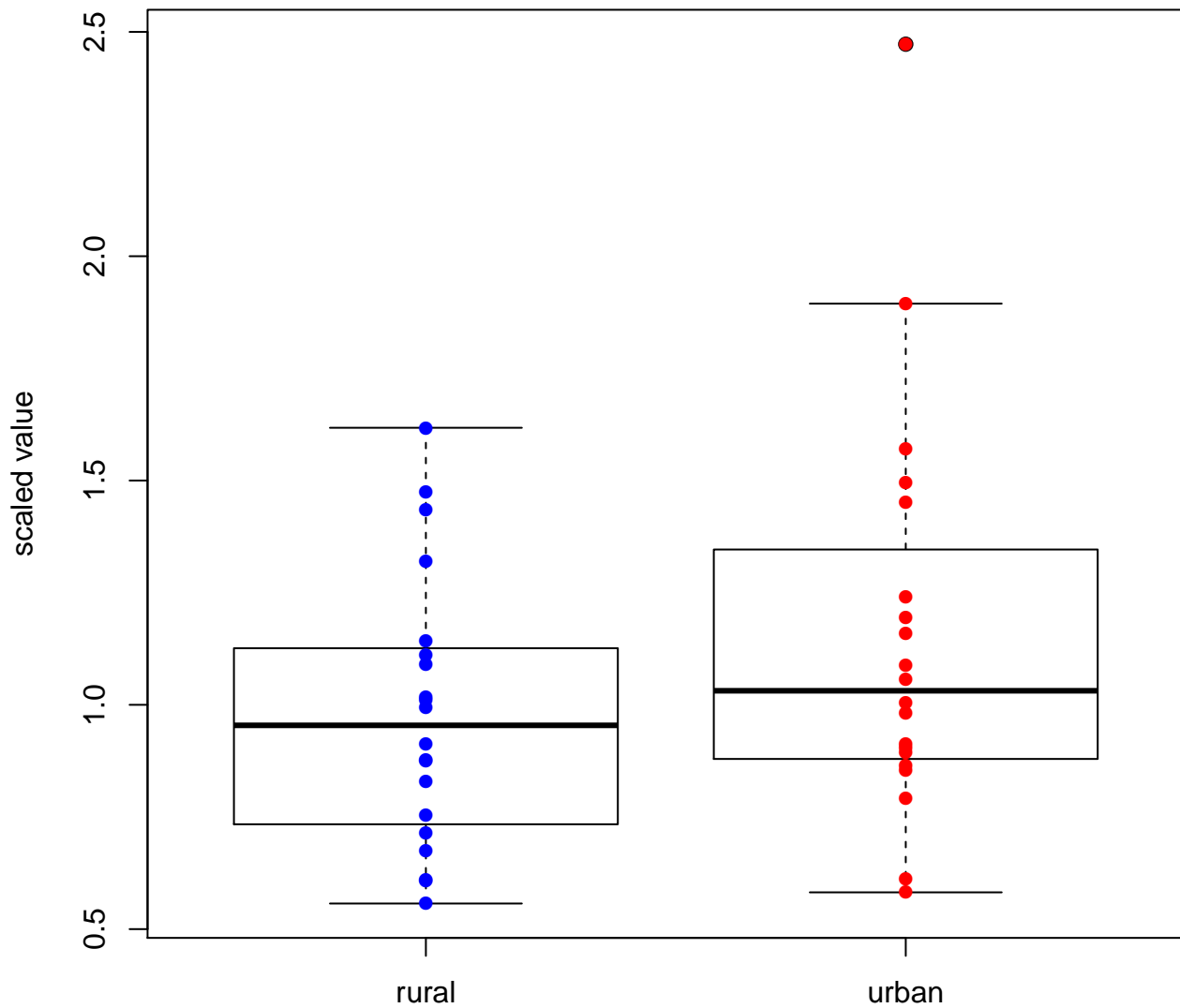


metabolite: xanthine  
pAdjRuralUrban= 0.494

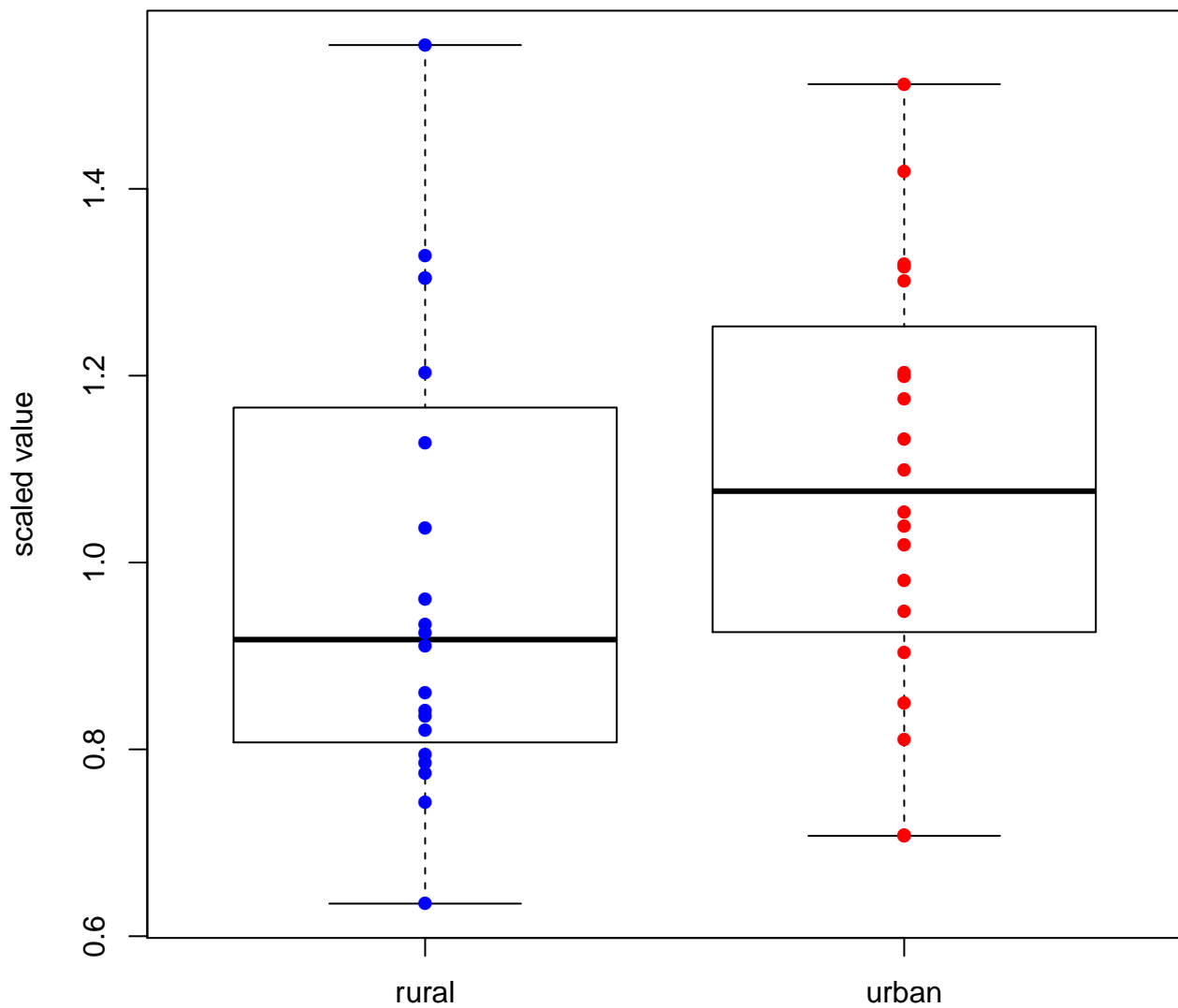




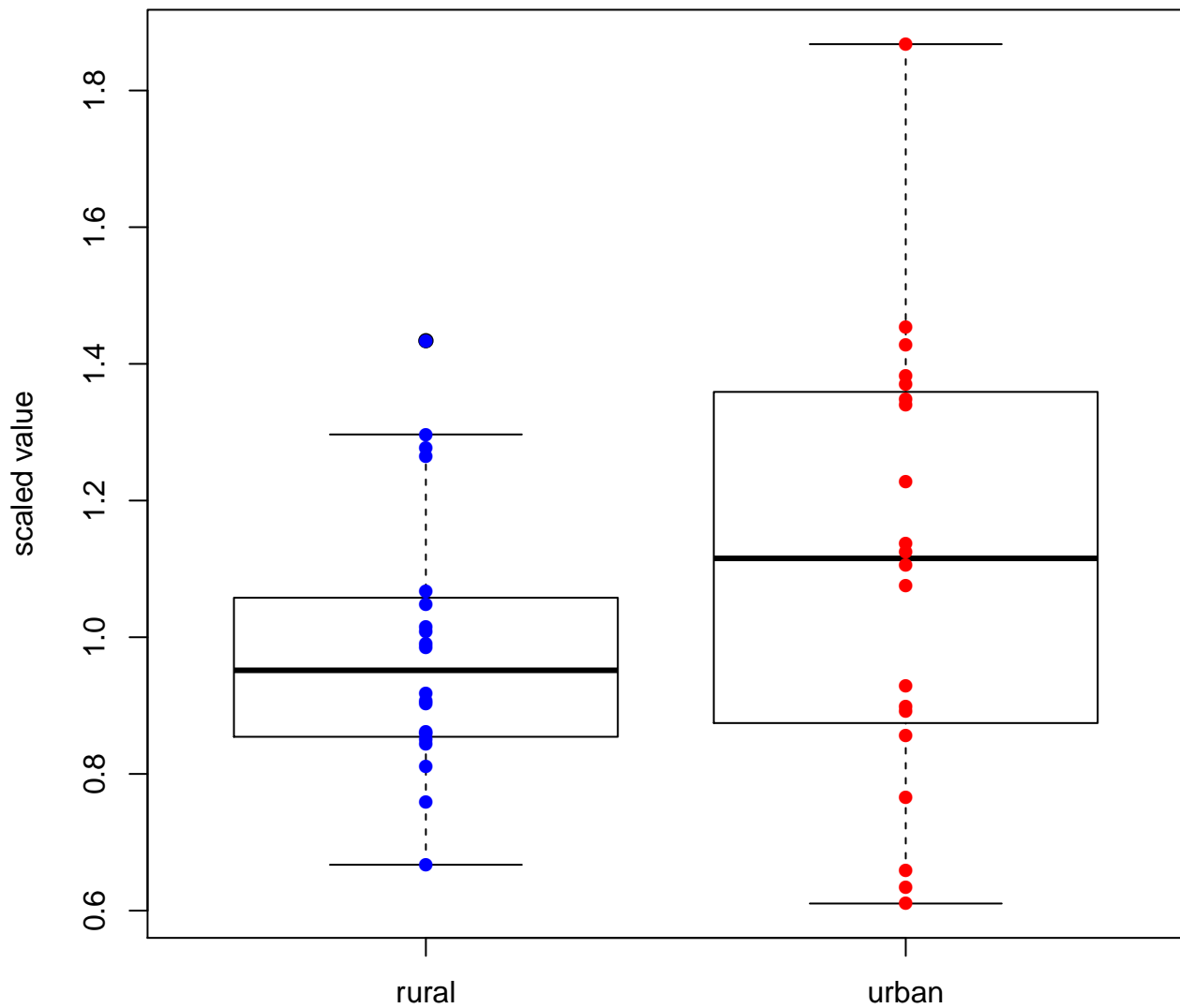
metabolite: xylose  
pAdjRuralUrban= 0.494



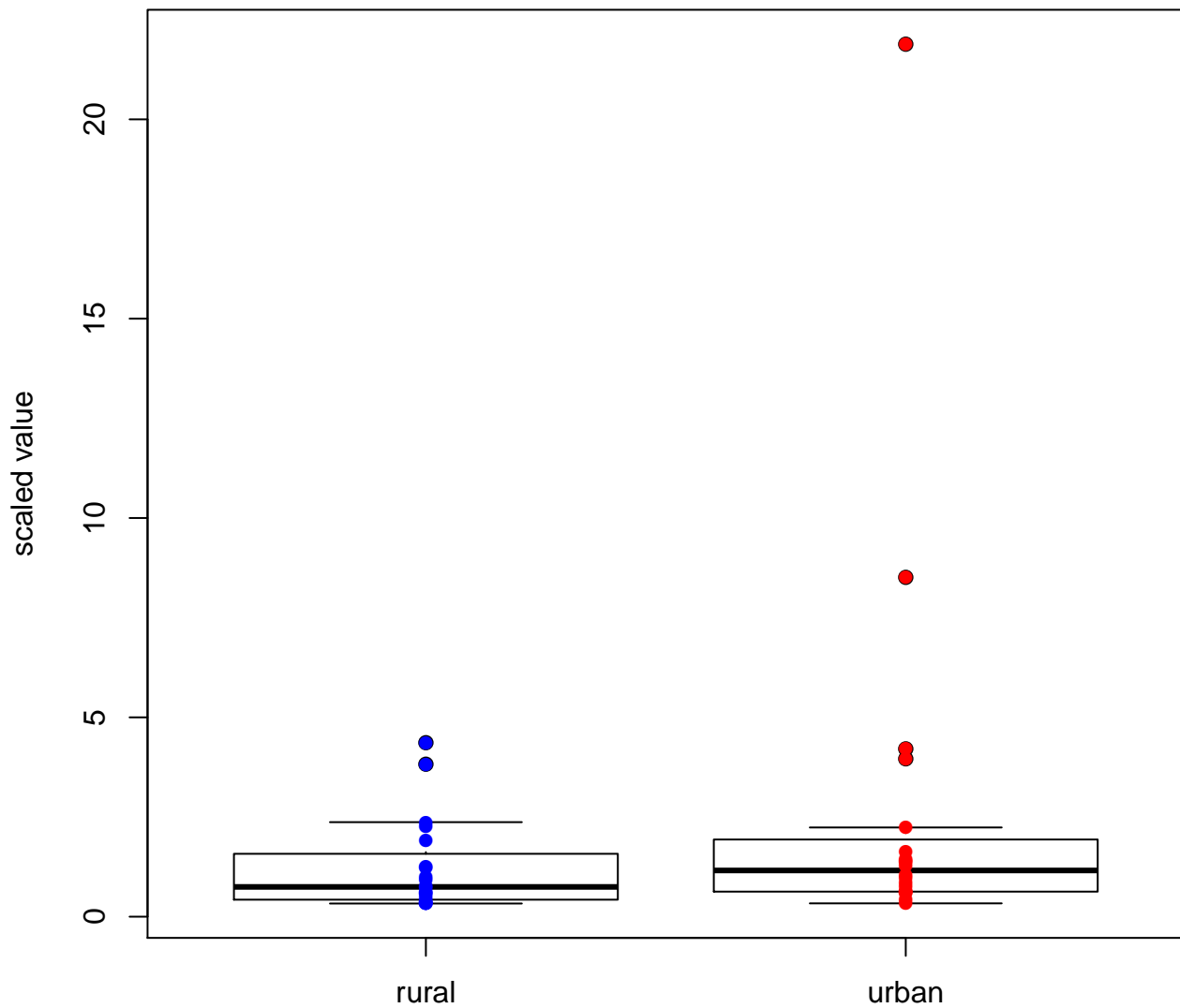
metabolite: 2-aminobutyrate  
pAdjRuralUrban= 0.495



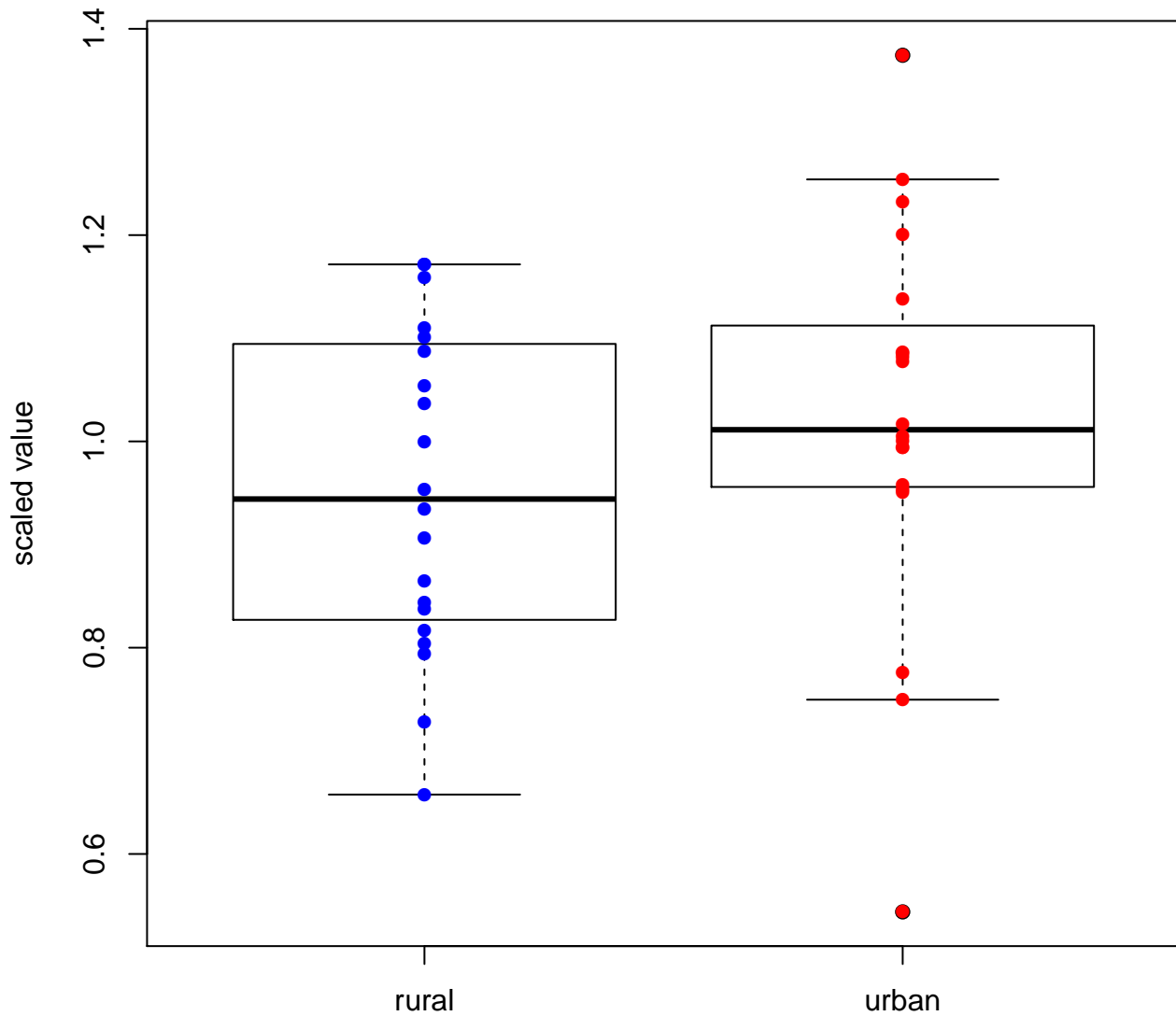
metabolite: erythronate  
pAdjRuralUrban= 0.495



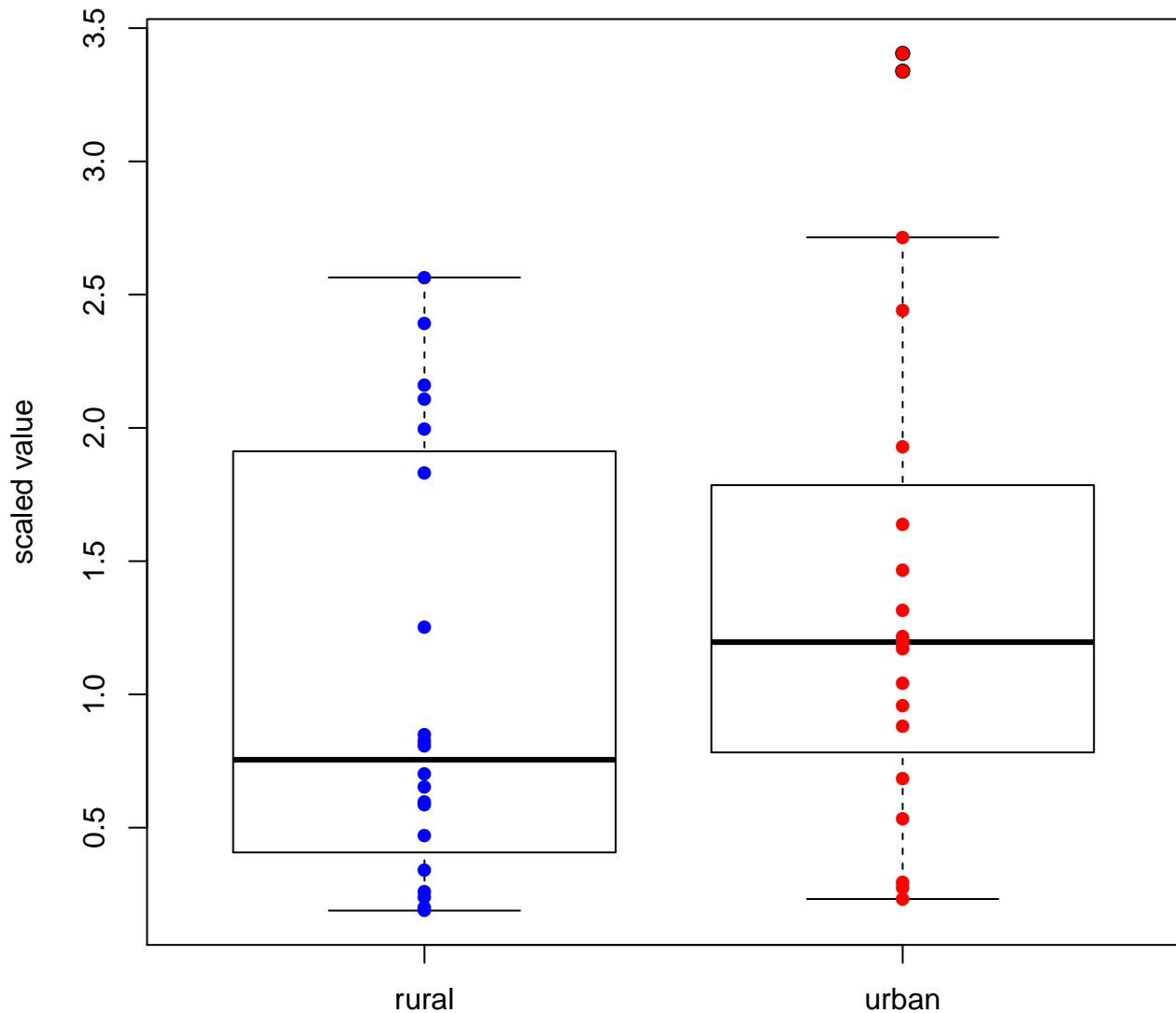
metabolite: taurodeoxycholate  
pAdjRuralUrban= 0.505



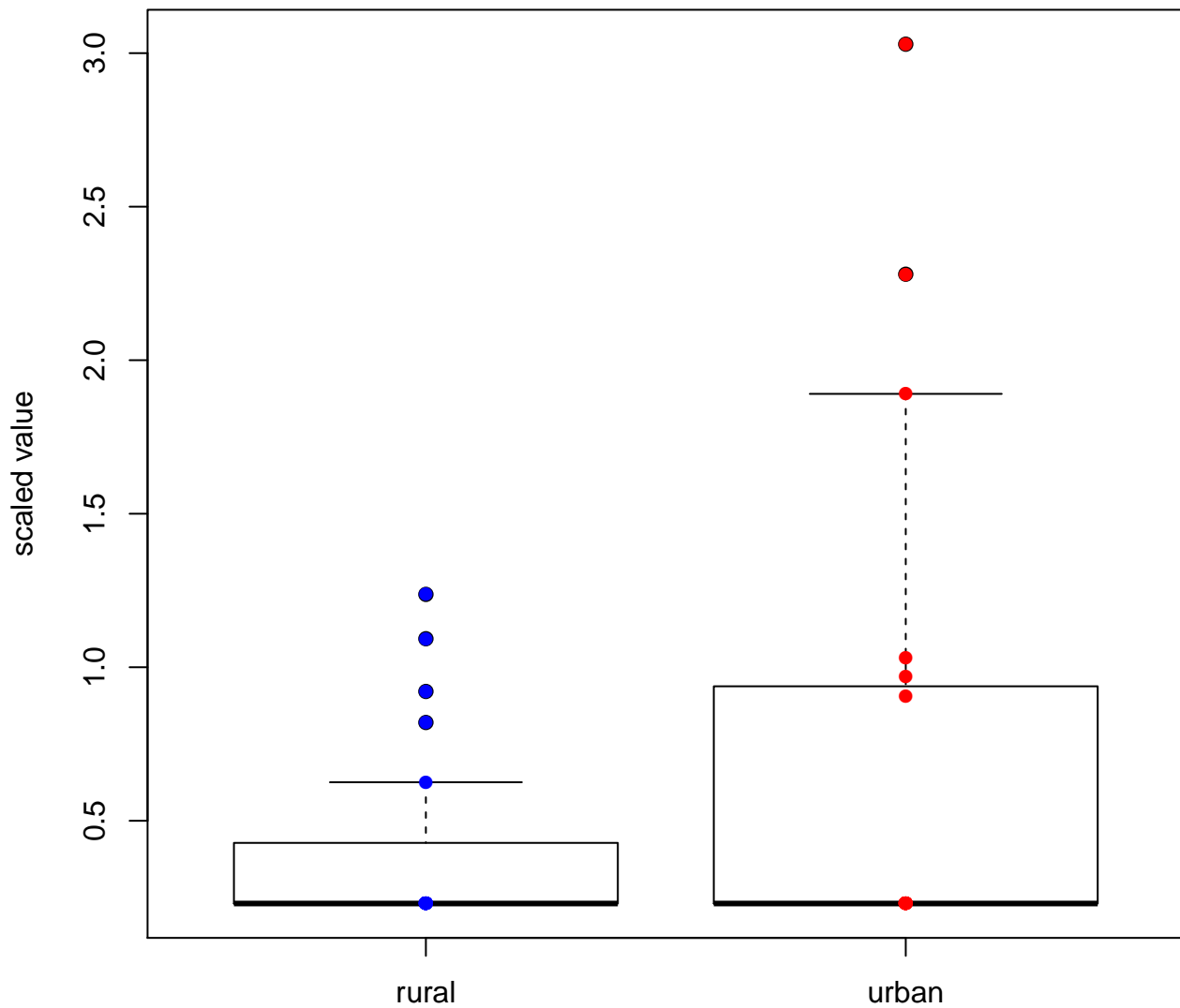
metabolite: uridine  
pAdjRuralUrban= 0.515



metabolite: 1-(1-enyl-palmitoyl)-GPE (P-16:0)  
pAdjRuralUrban= 0.519

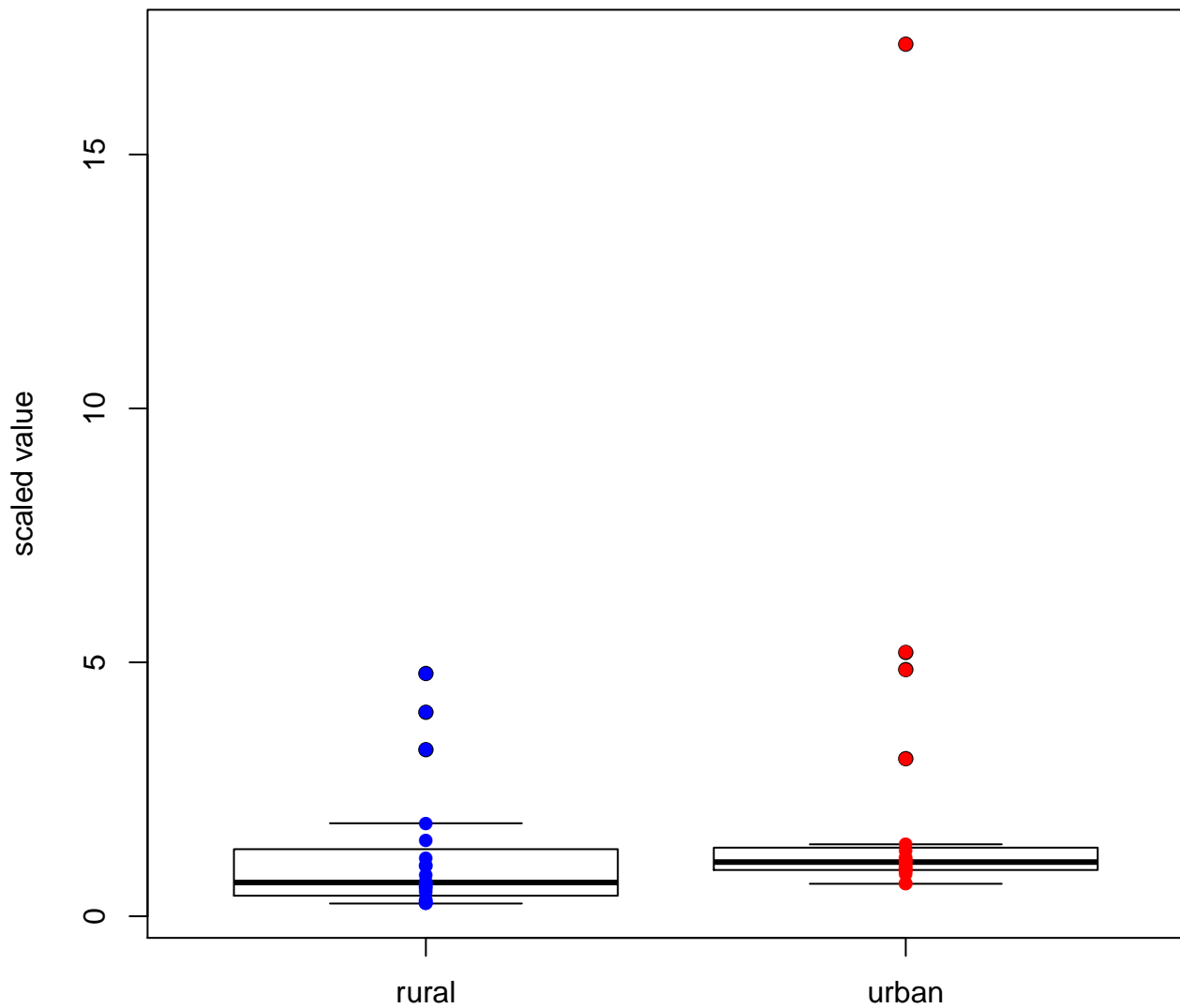


metabolite: 3-(3-hydroxyphenyl)propionate  
pAdjRuralUrban= 0.519



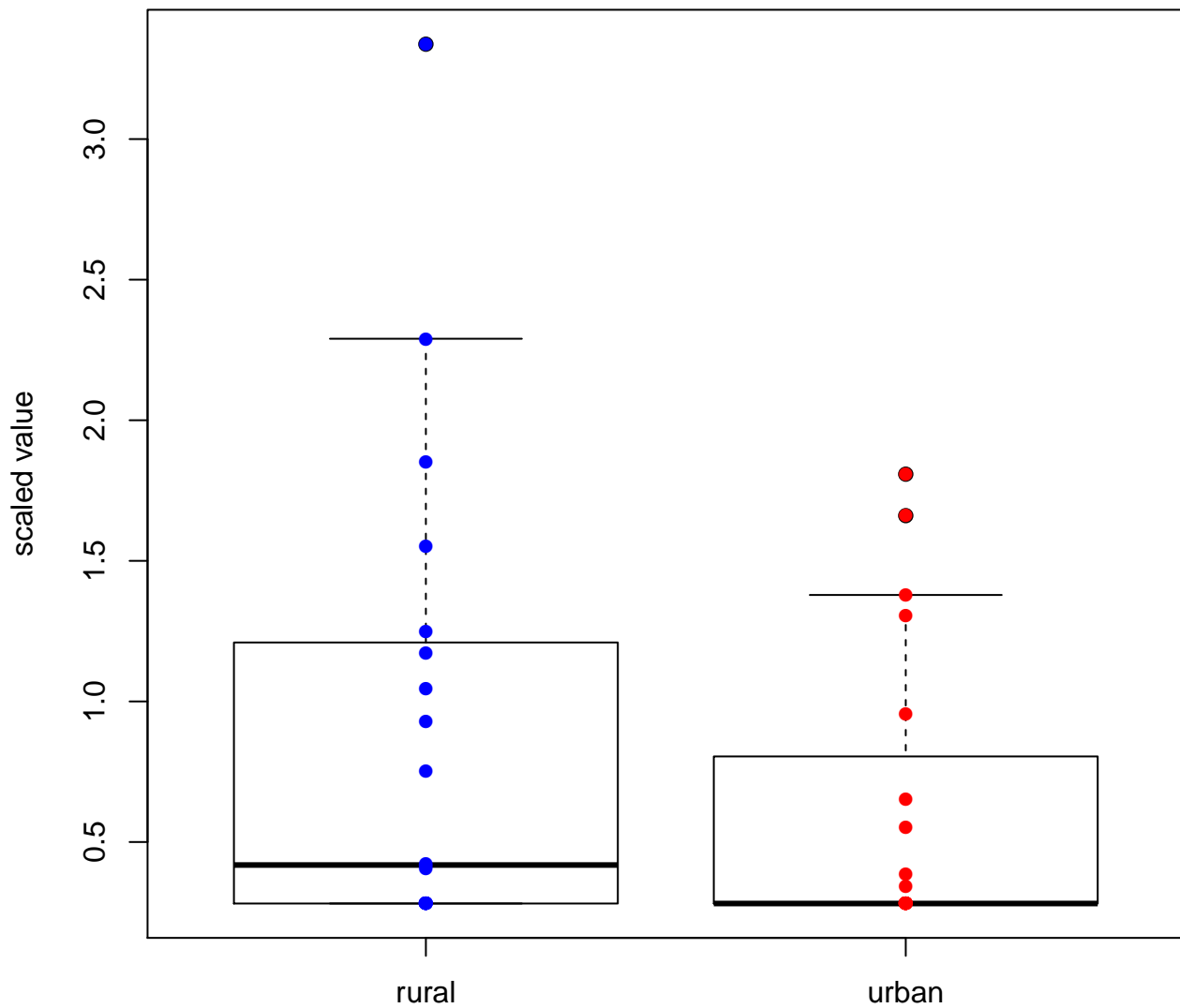
metabolite: 3-hydroxybutyrate (BHBA)

pAdjRuralUrban= 0.519

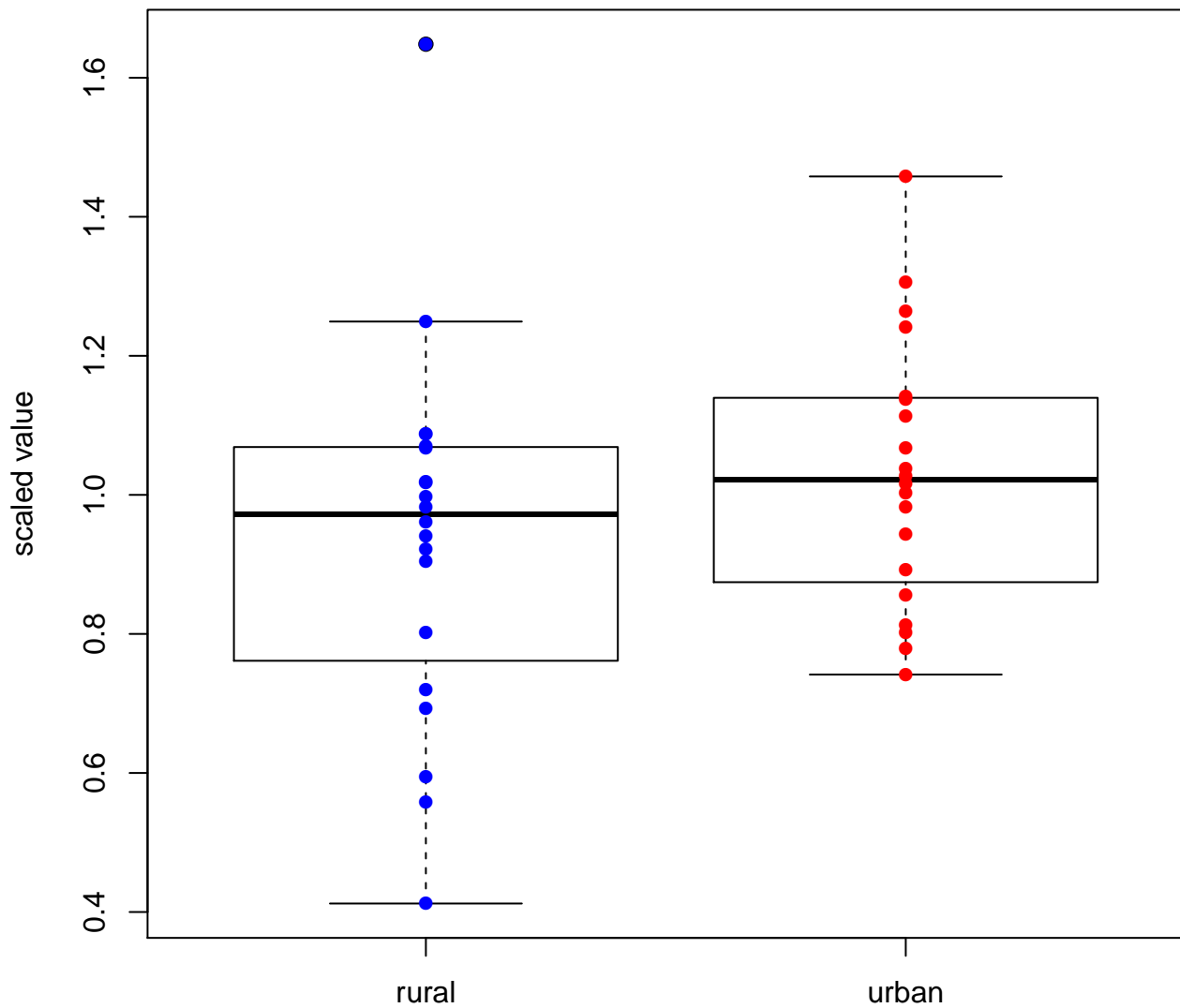




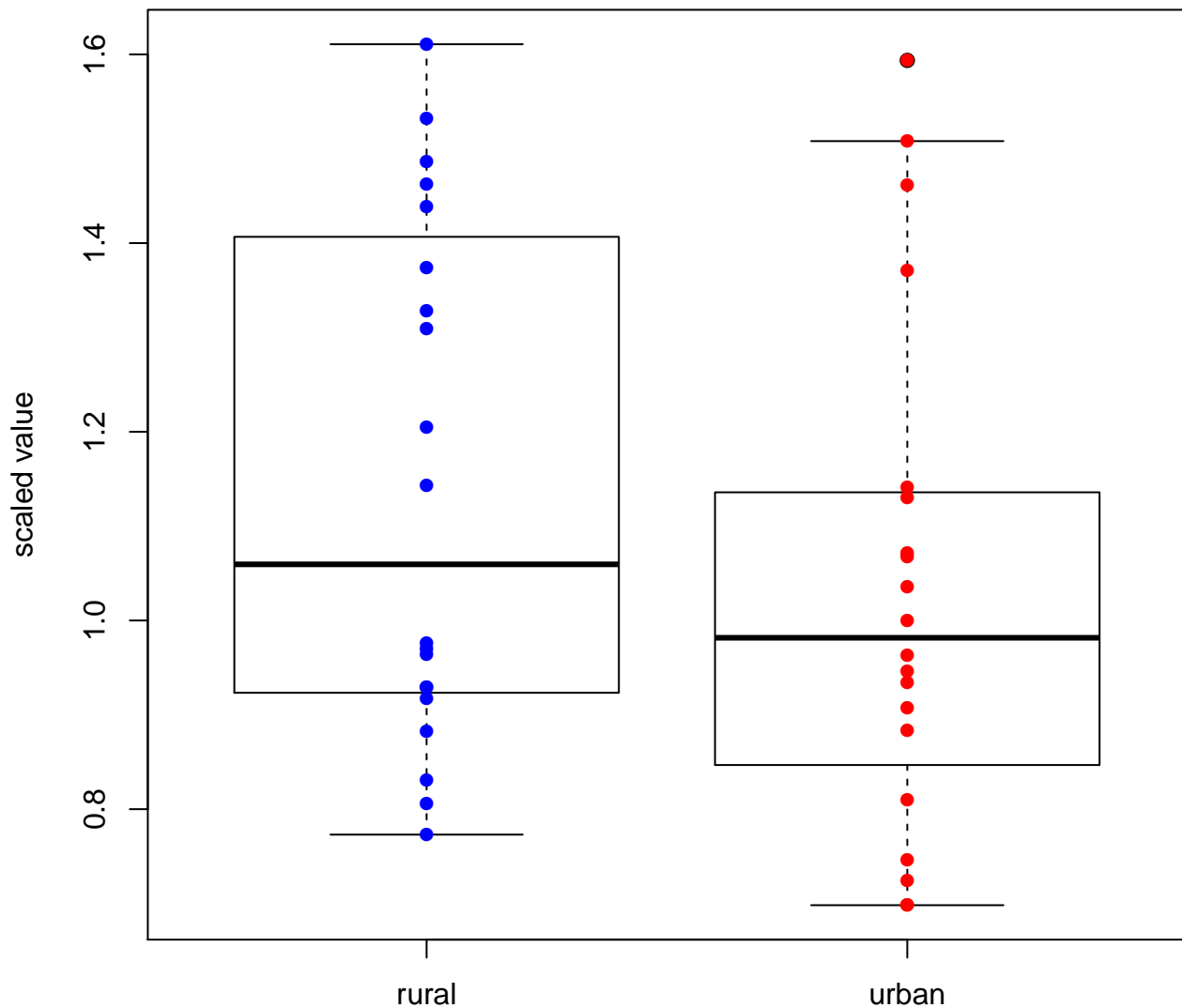
metabolite: 3-phenylpropionate (hydrocinnamate)  
pAdjRuralUrban= 0.519



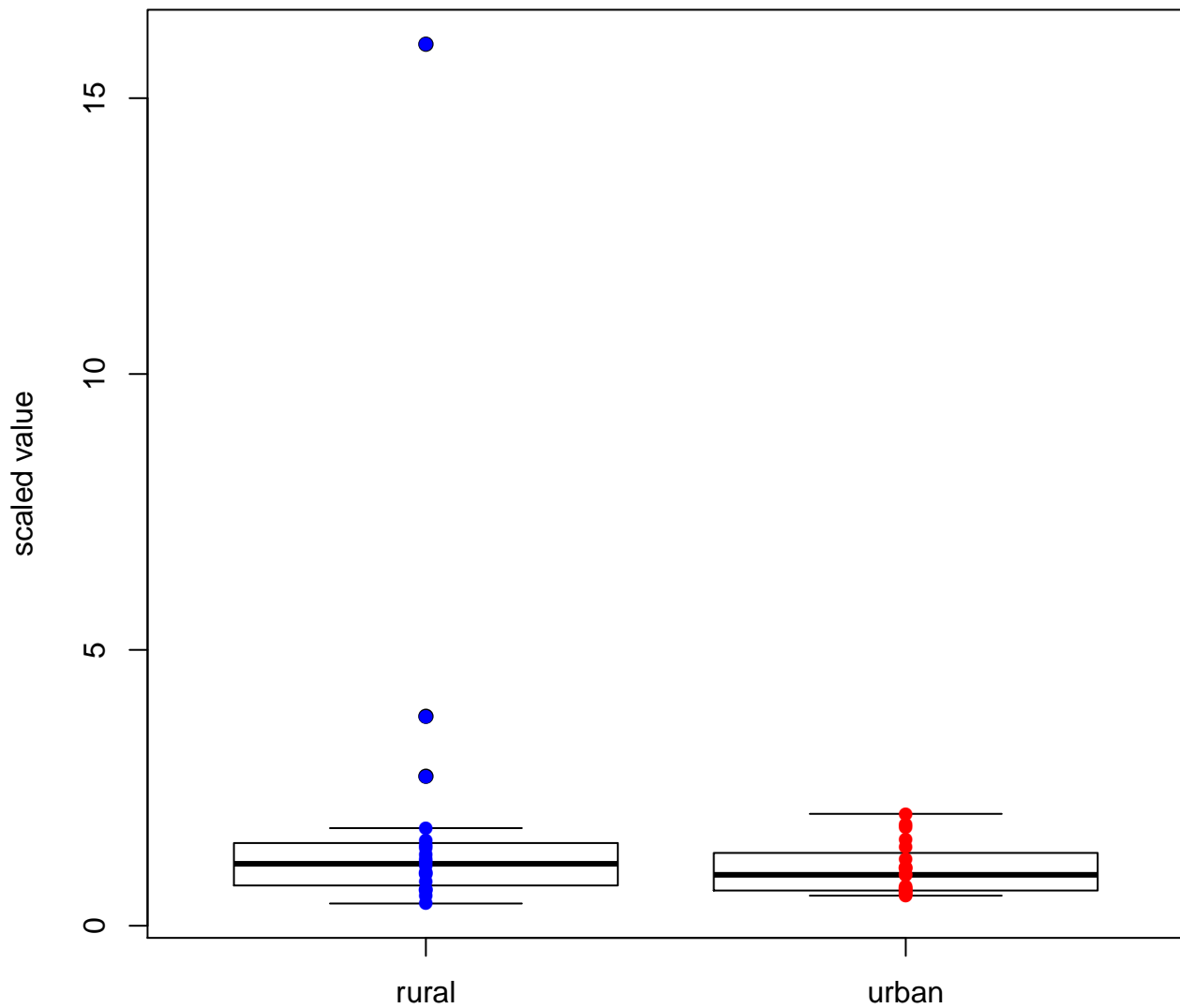
metabolite: 4-acetamidobutanoate  
pAdjRuralUrban= 0.519



metabolite: 5-methyluridine (ribothymidine)  
pAdjRuralUrban= 0.519

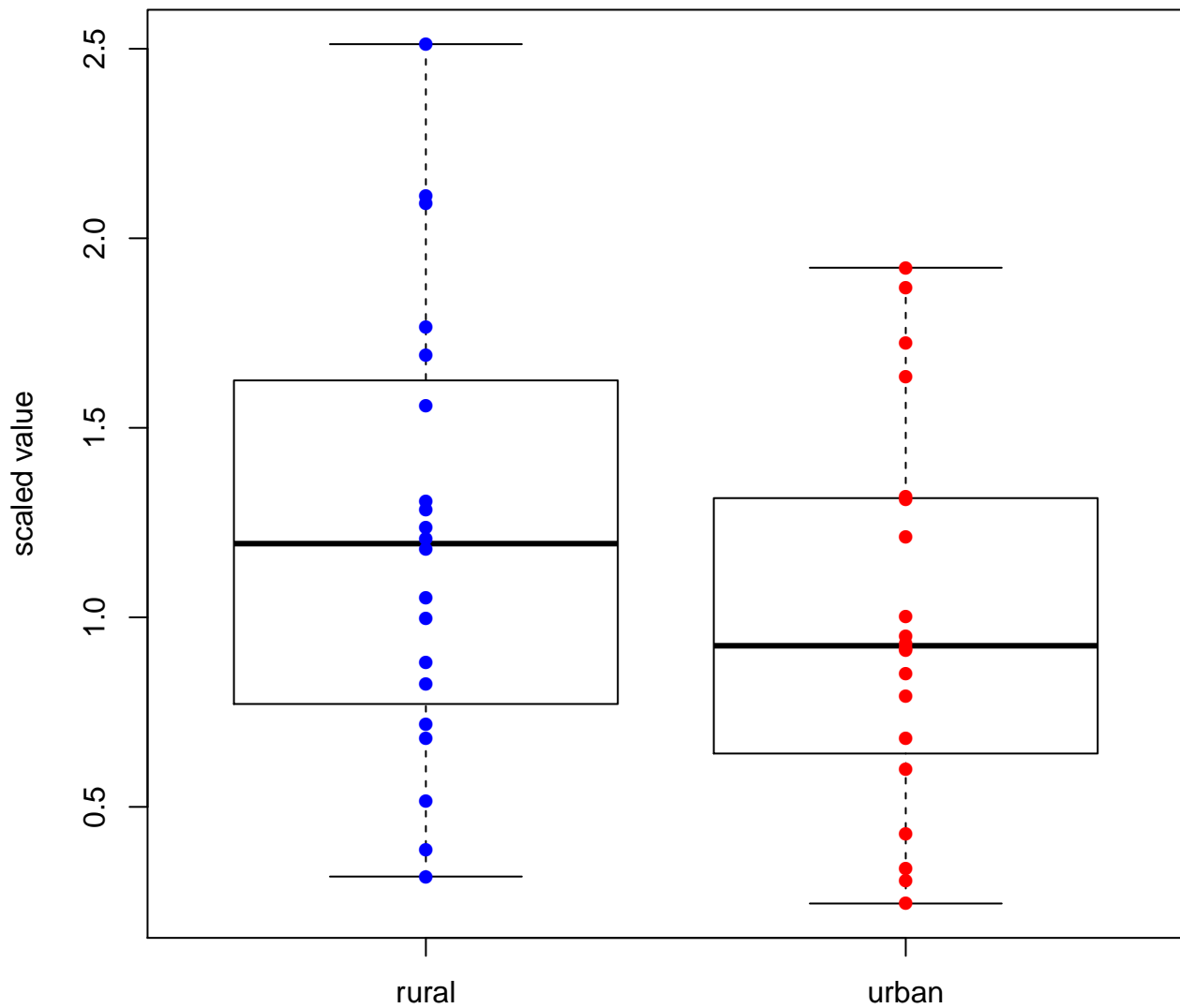


metabolite: 5alpha-pregnan-3beta,20alpha-diol disulfate  
pAdjRuralUrban= 0.519

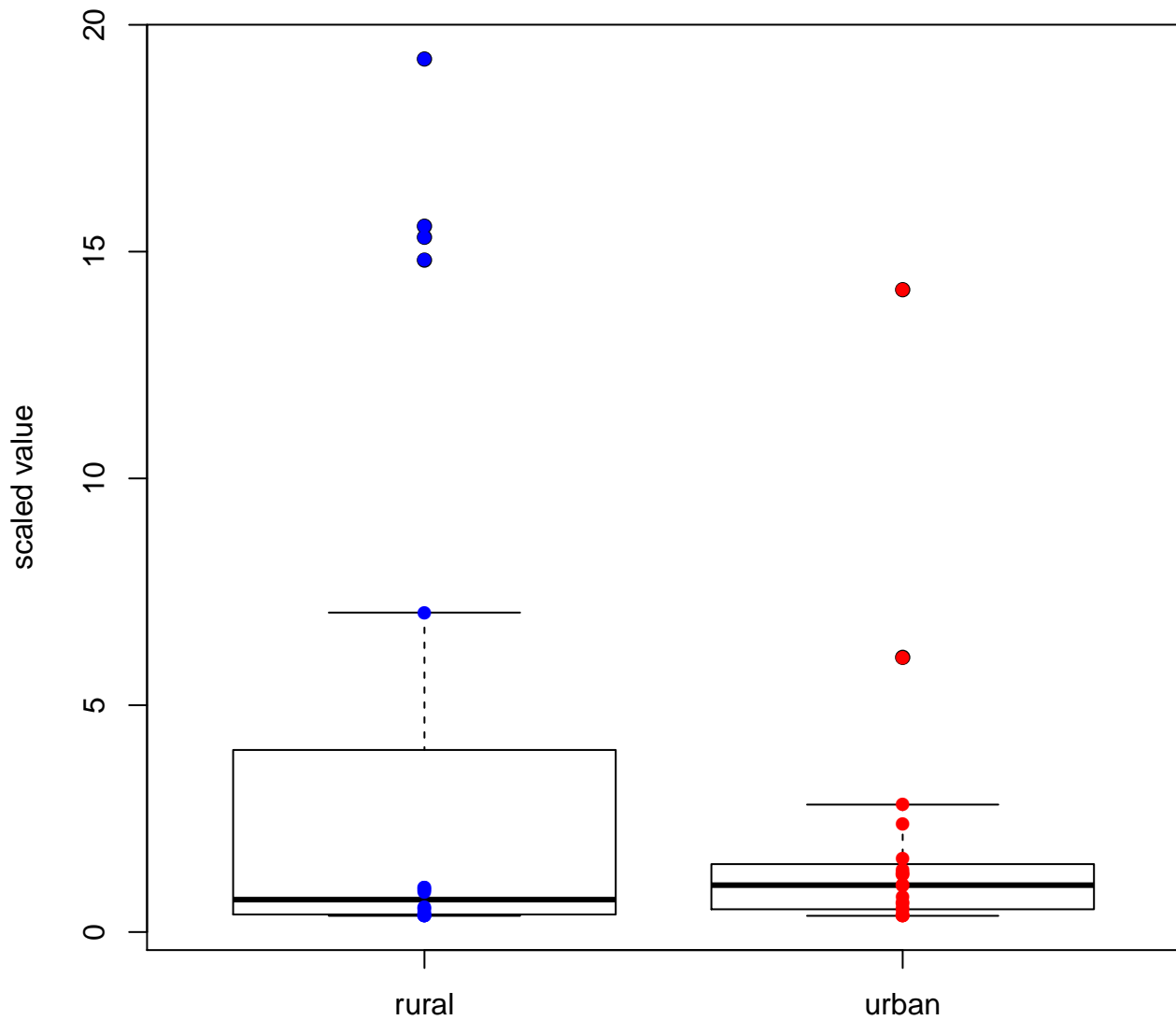


metabolite: bilirubin (E,E)

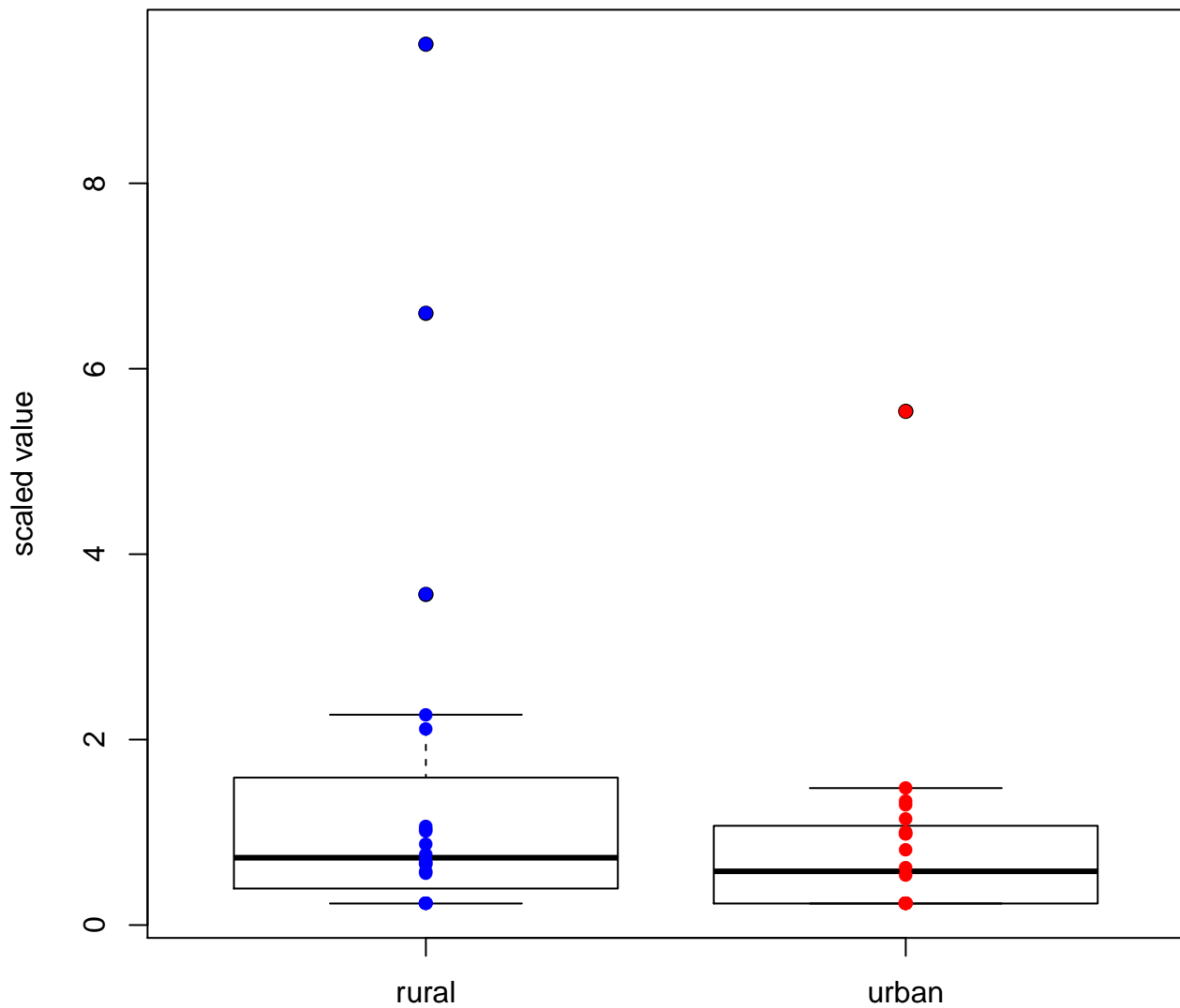
pAdjRuralUrban= 0.519



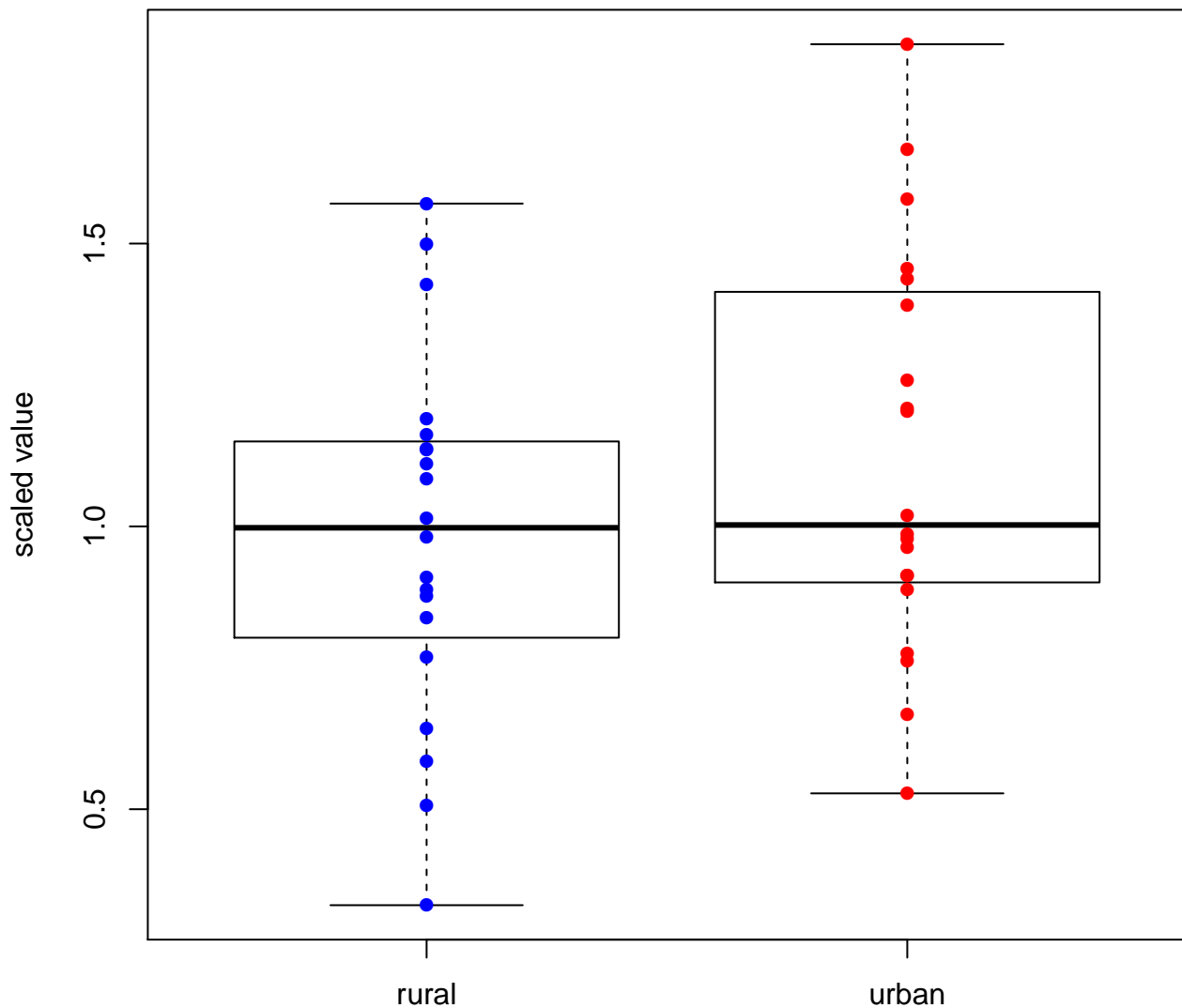
metabolite: bradykinin, des-arg(9)  
pAdjRuralUrban= 0.519



metabolite: deoxycholate  
pAdjRuralUrban= 0.519

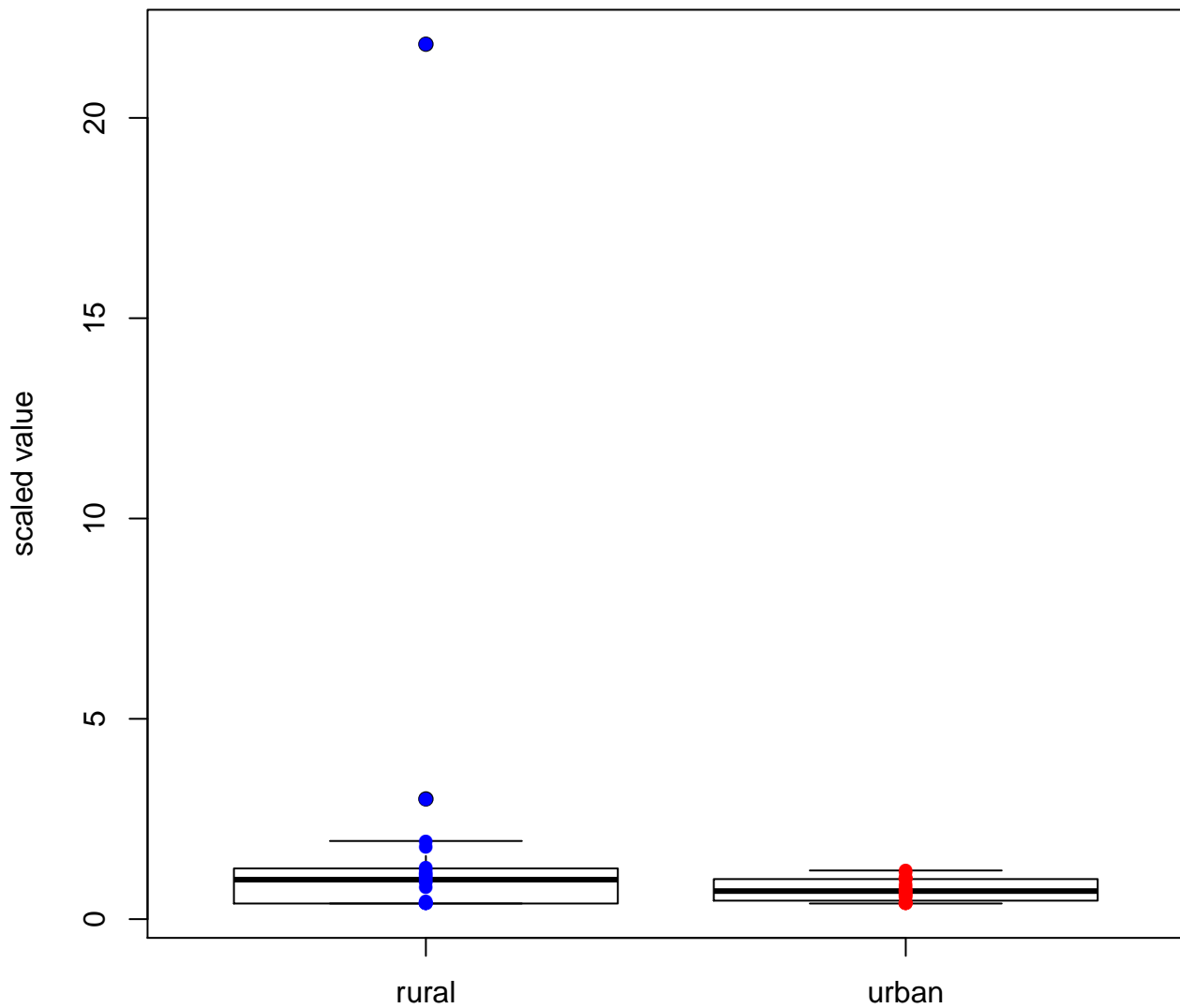


metabolite: linolenate [alpha or gamma; (18:3n3 or 6)]  
pAdjRuralUrban= 0.519

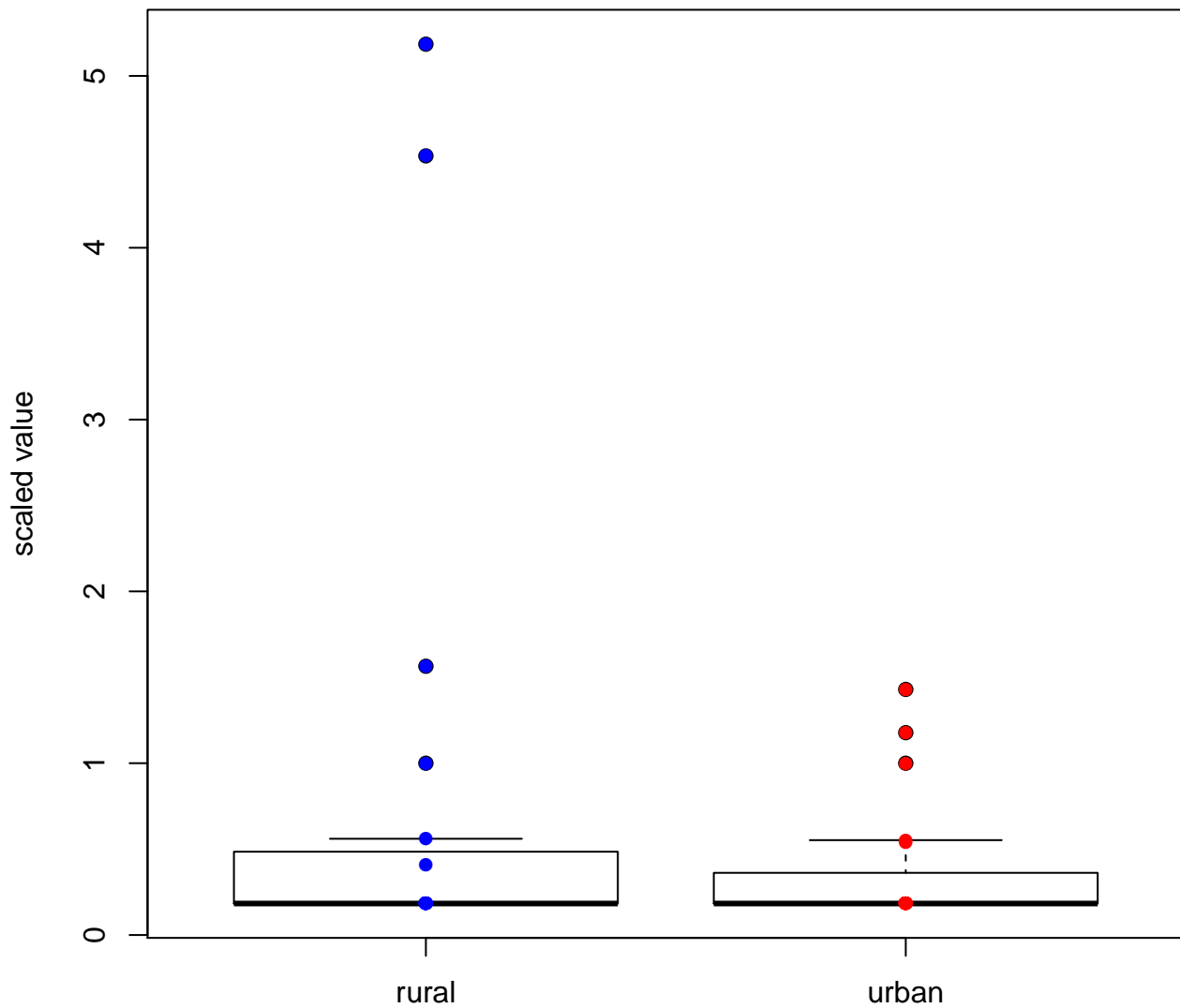




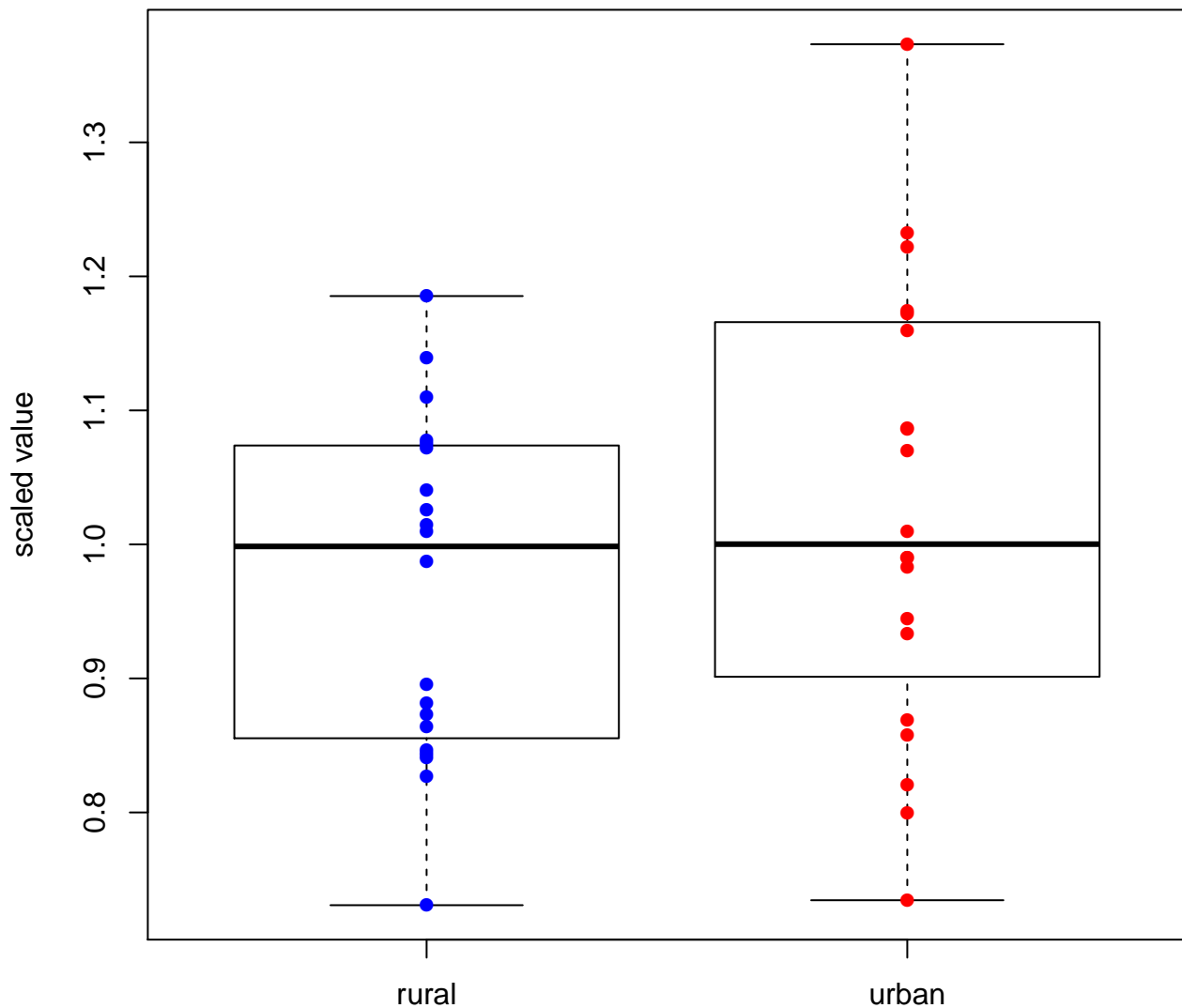
metabolite: mandelate  
pAdjRuralUrban= 0.519



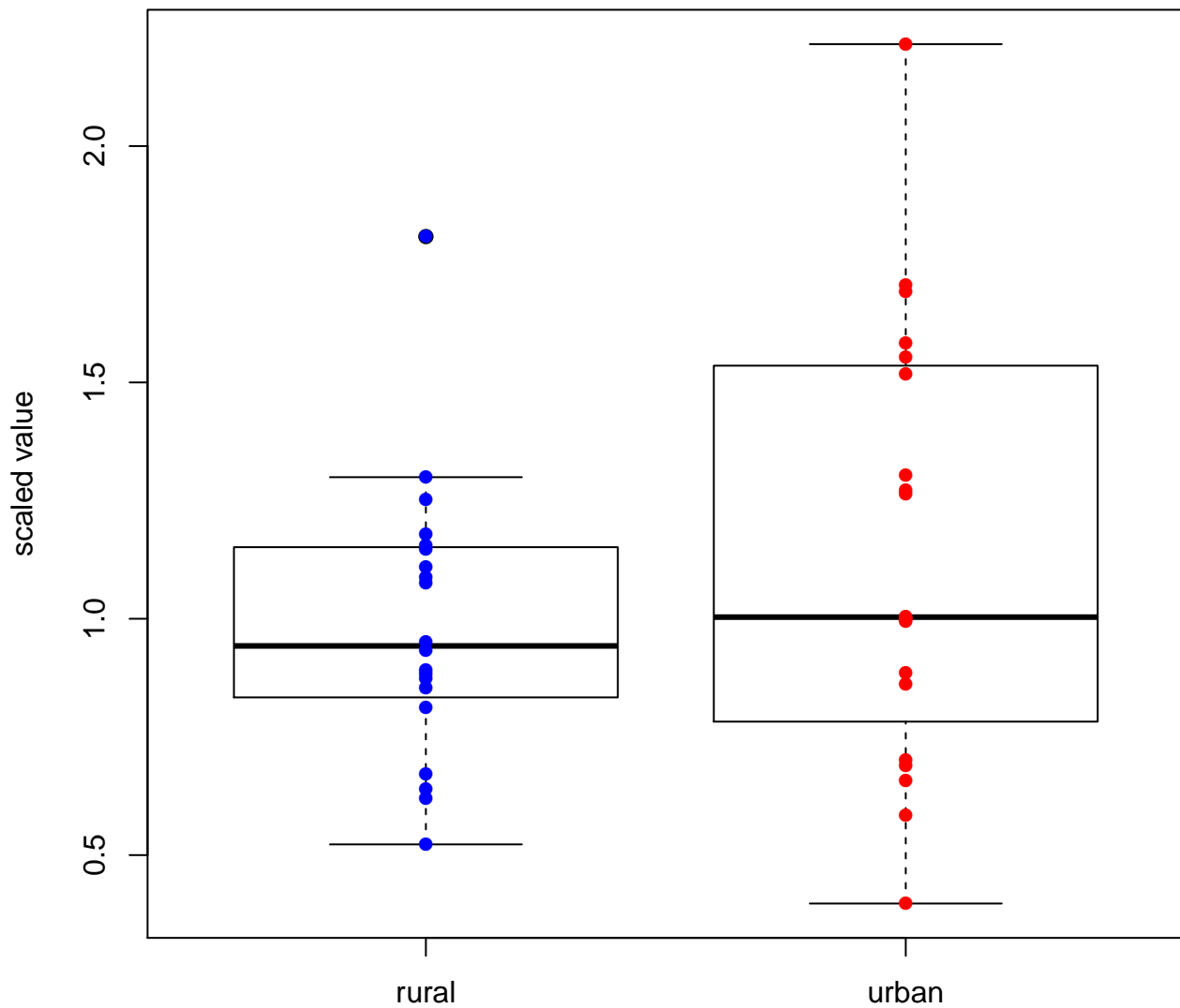
metabolite: methyl-4-hydroxybenzoate sulfate  
pAdjRuralUrban= 0.519



metabolite: N-acetylalanine  
pAdjRuralUrban= 0.519

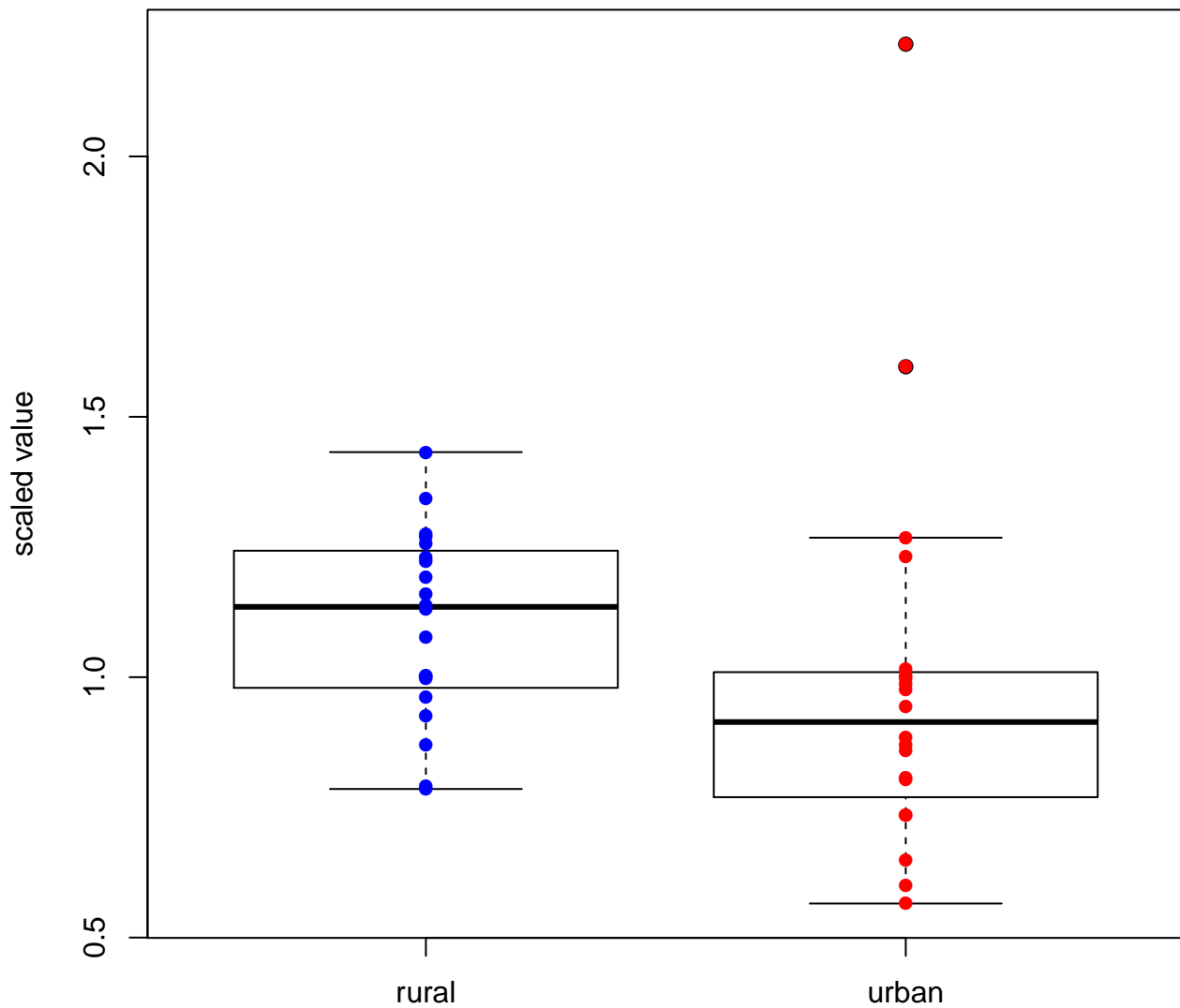


metabolite: pantothenate  
pAdjRuralUrban= 0.519

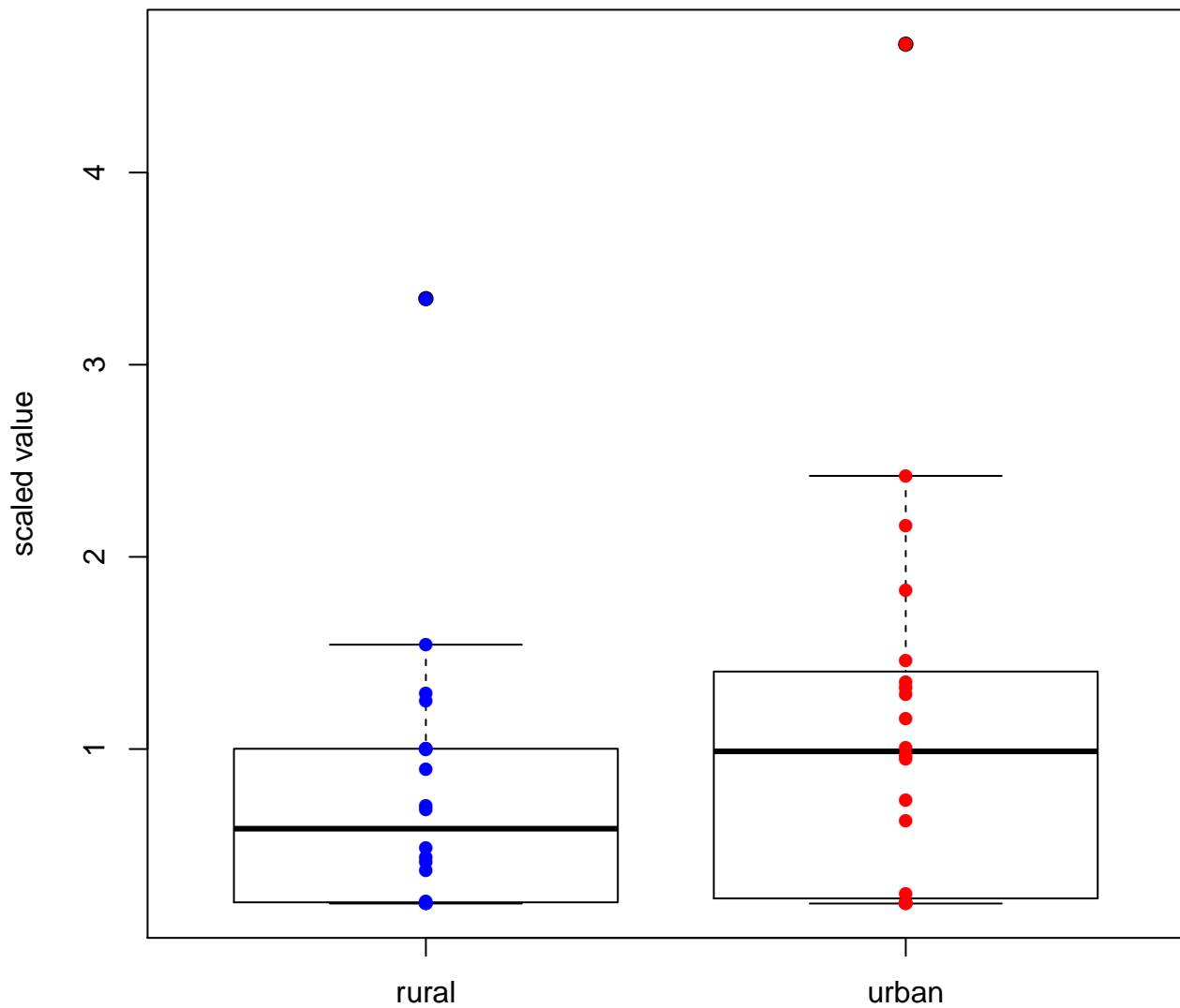


metabolite: pelargonate (9:0)

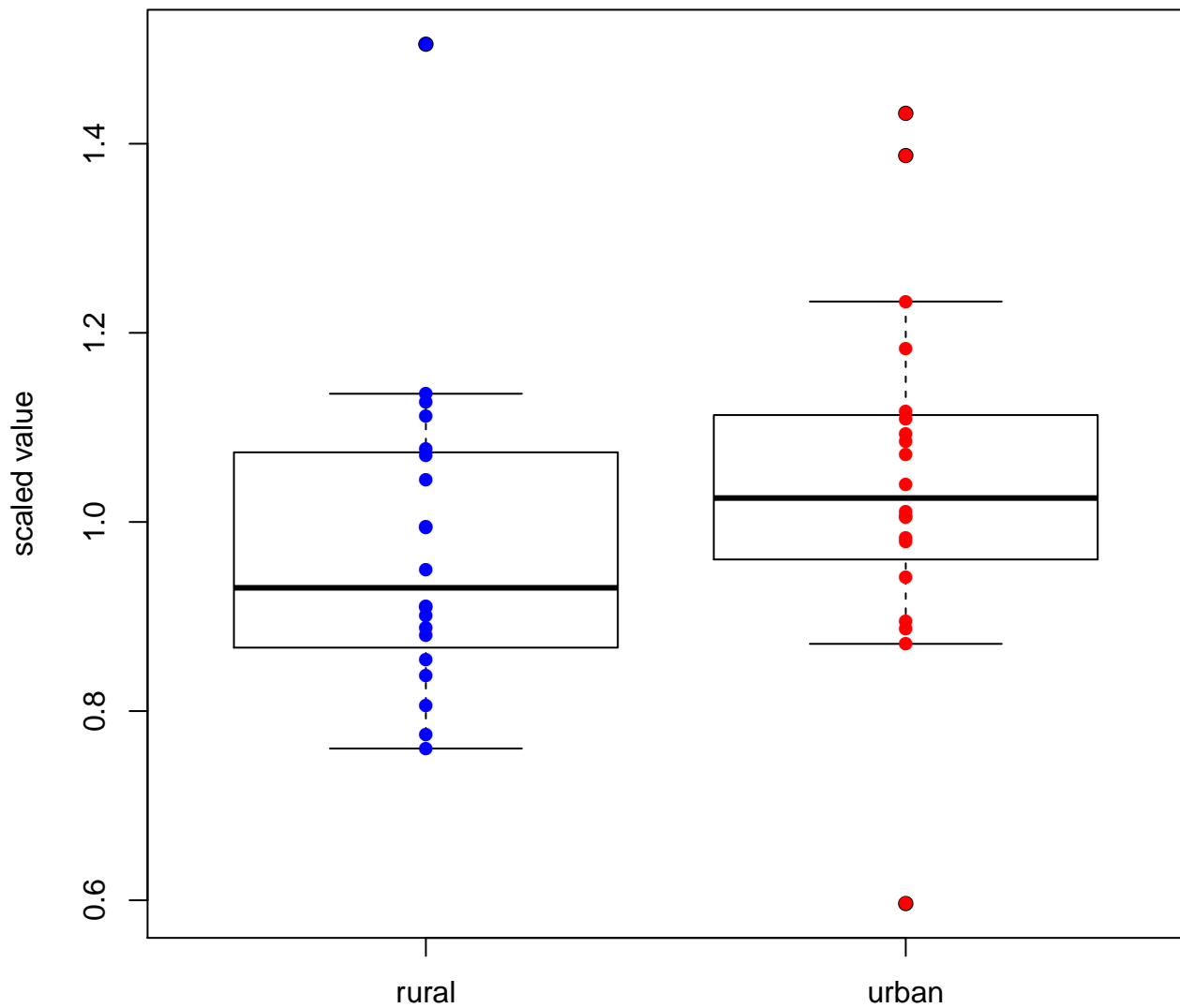
pAdjRuralUrban= 0.519



metabolite: taurocholate sulfate  
pAdjRuralUrban= 0.519

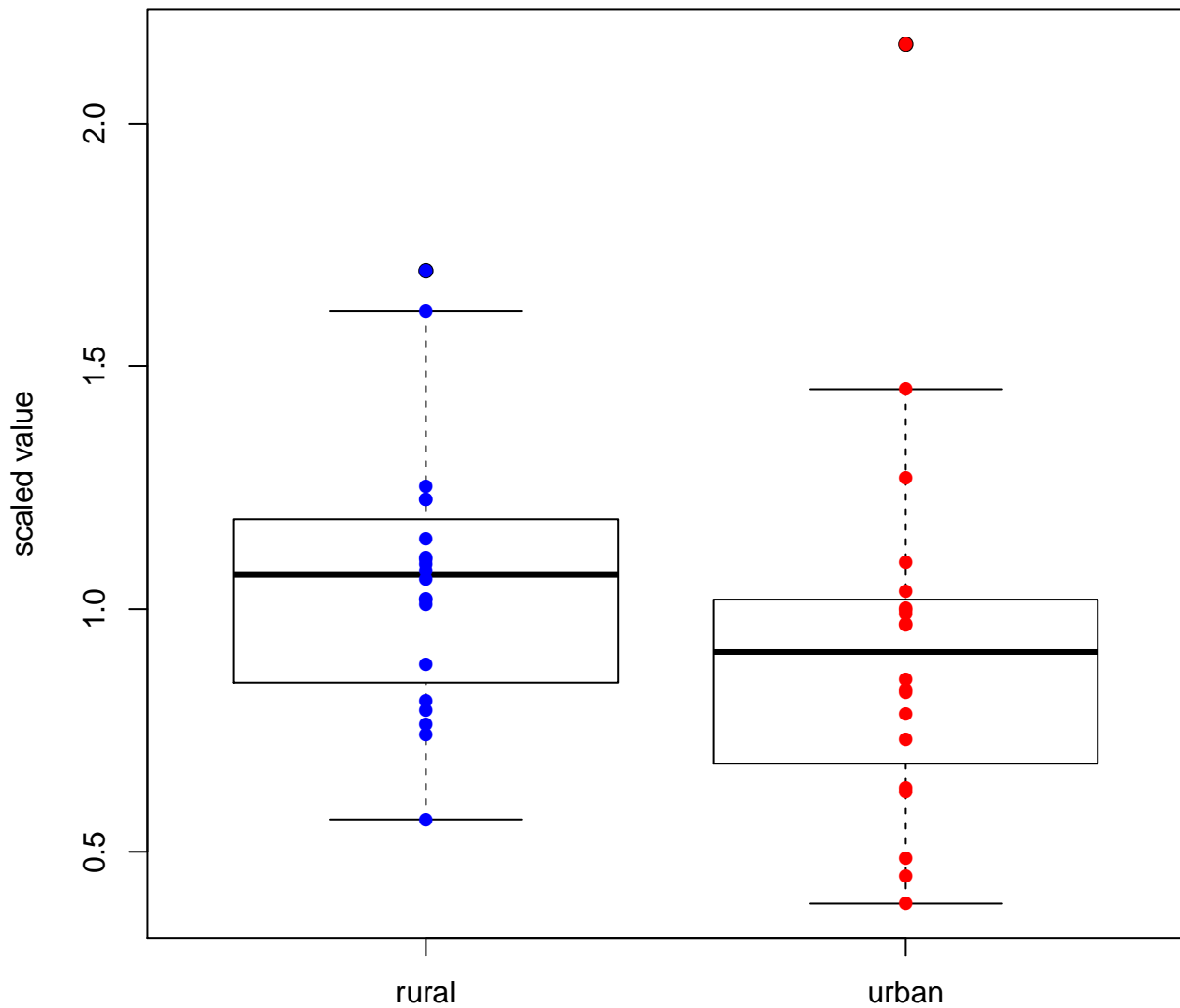


metabolite: valine  
pAdjRuralUrban= 0.519



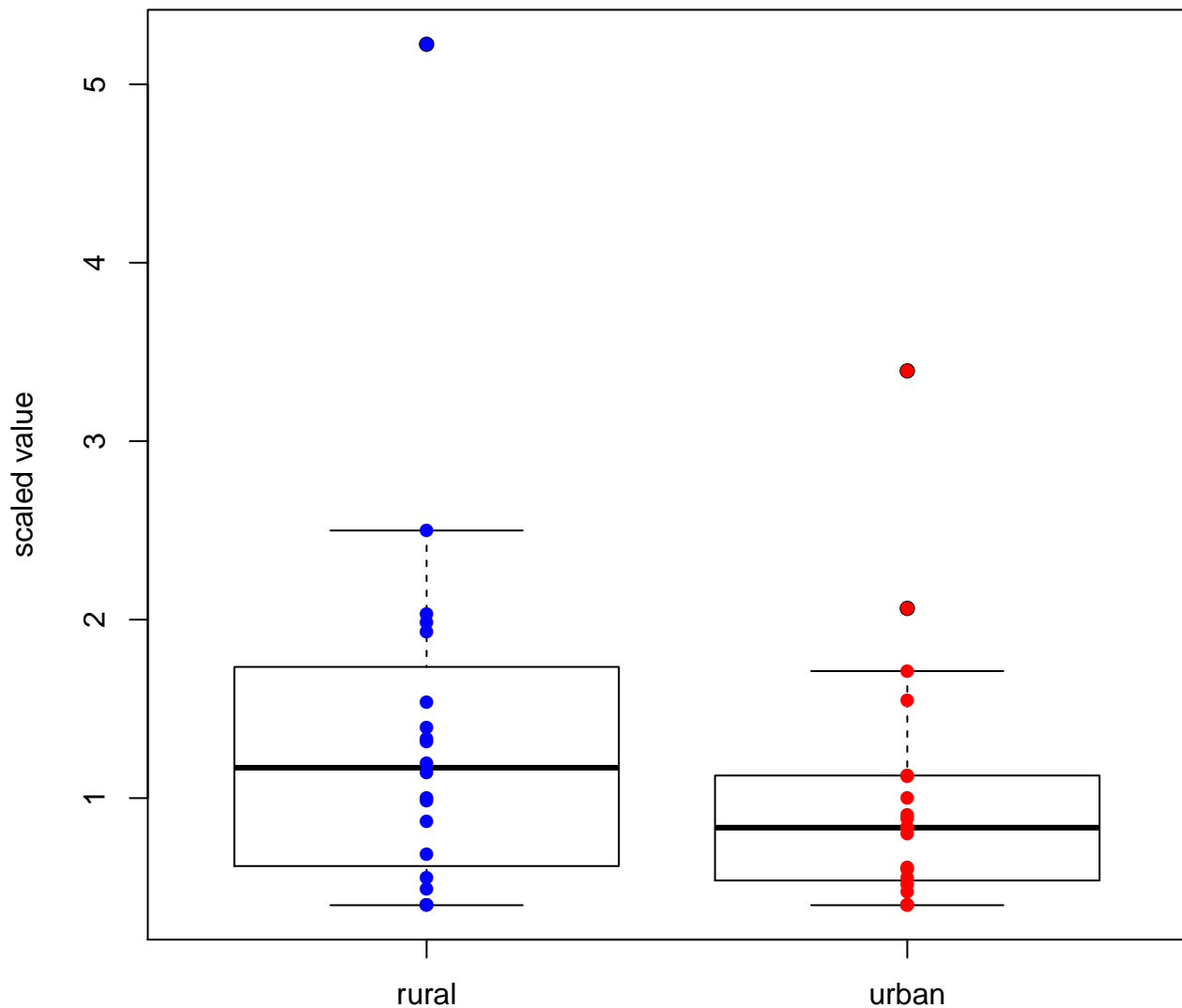
metabolite: 1-palmitoyl-GPI (16:0)

pAdjRuralUrban= 0.523

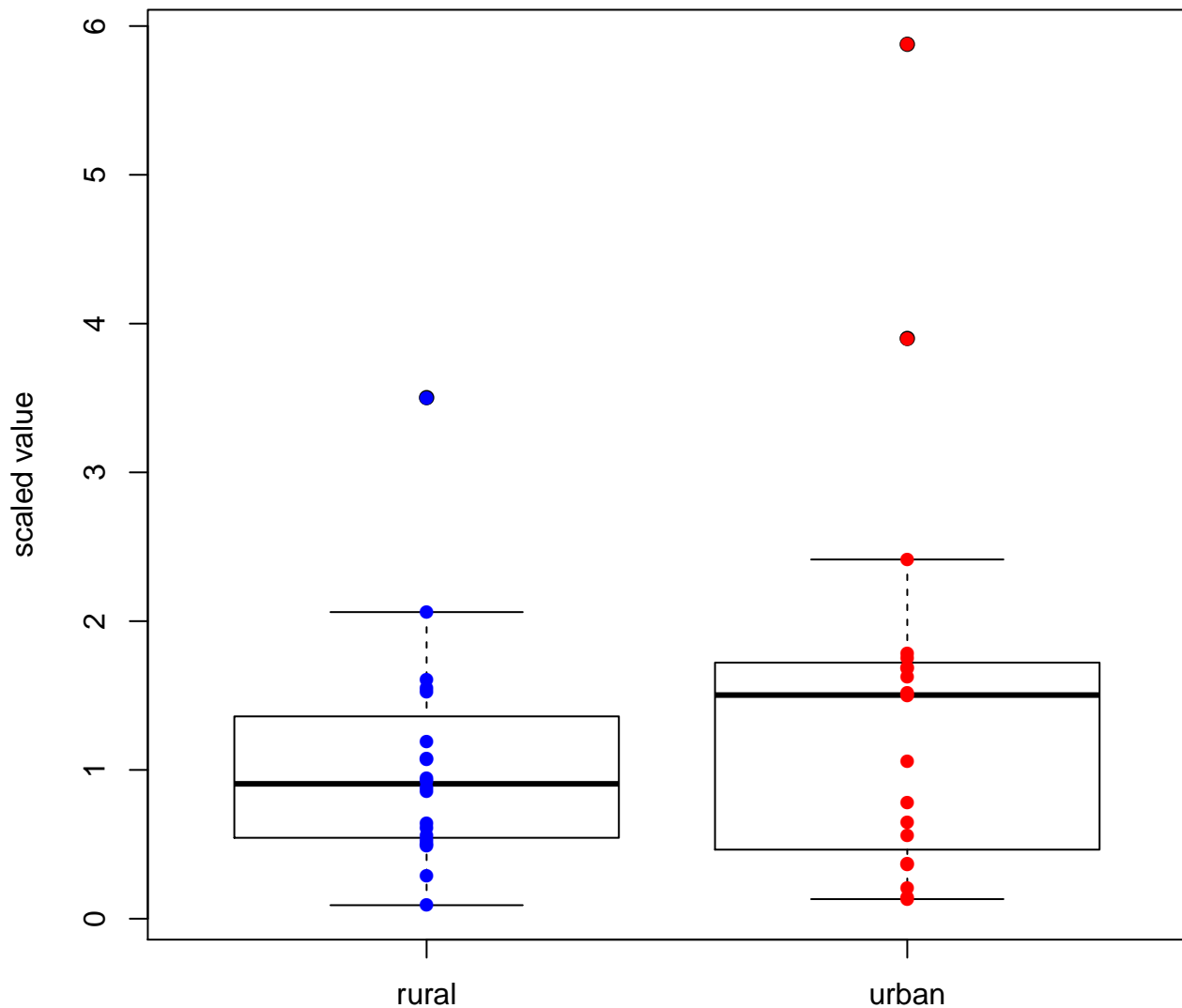




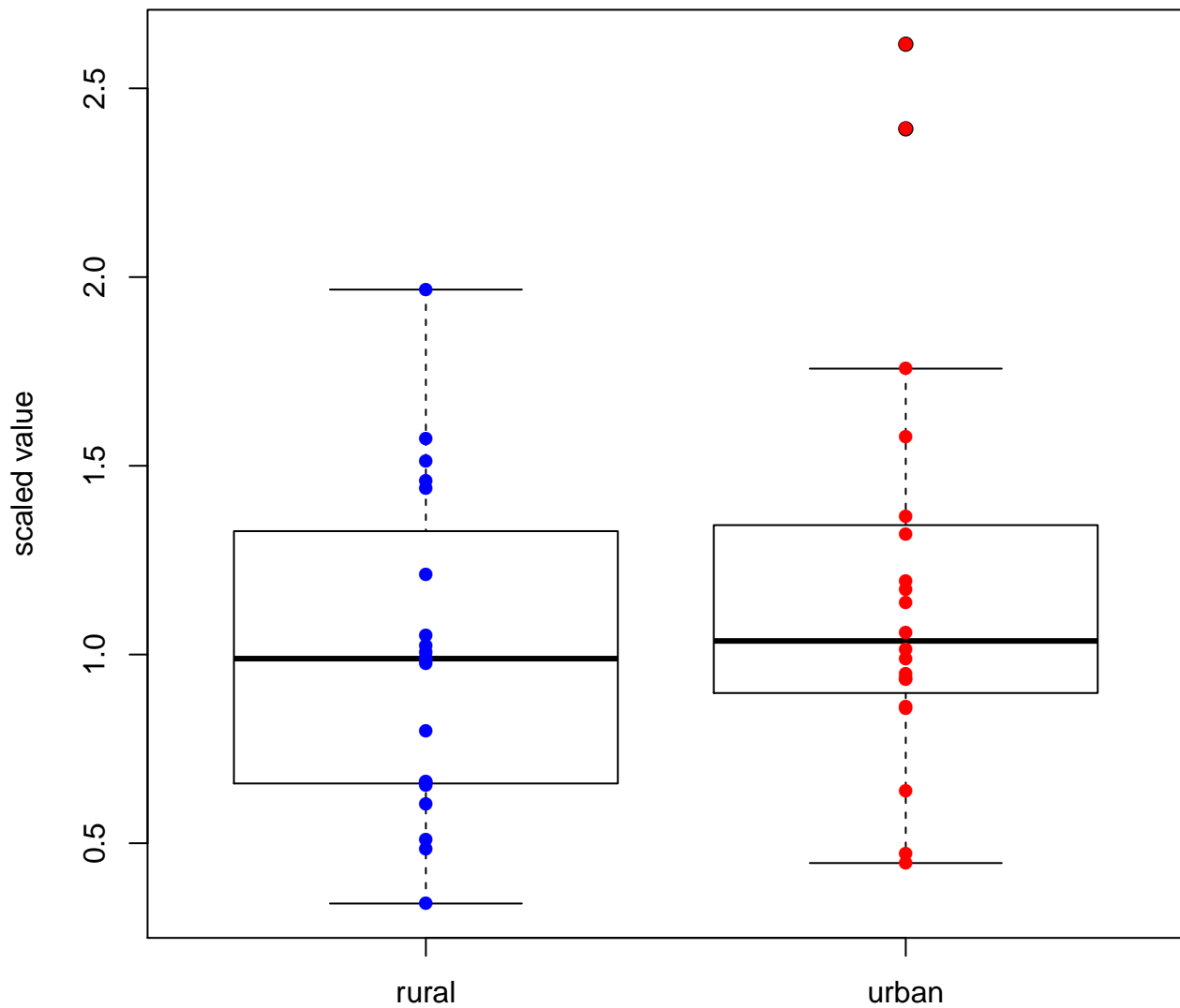
metabolite: pregnanediol-3-glucuronide  
pAdjRuralUrban= 0.523



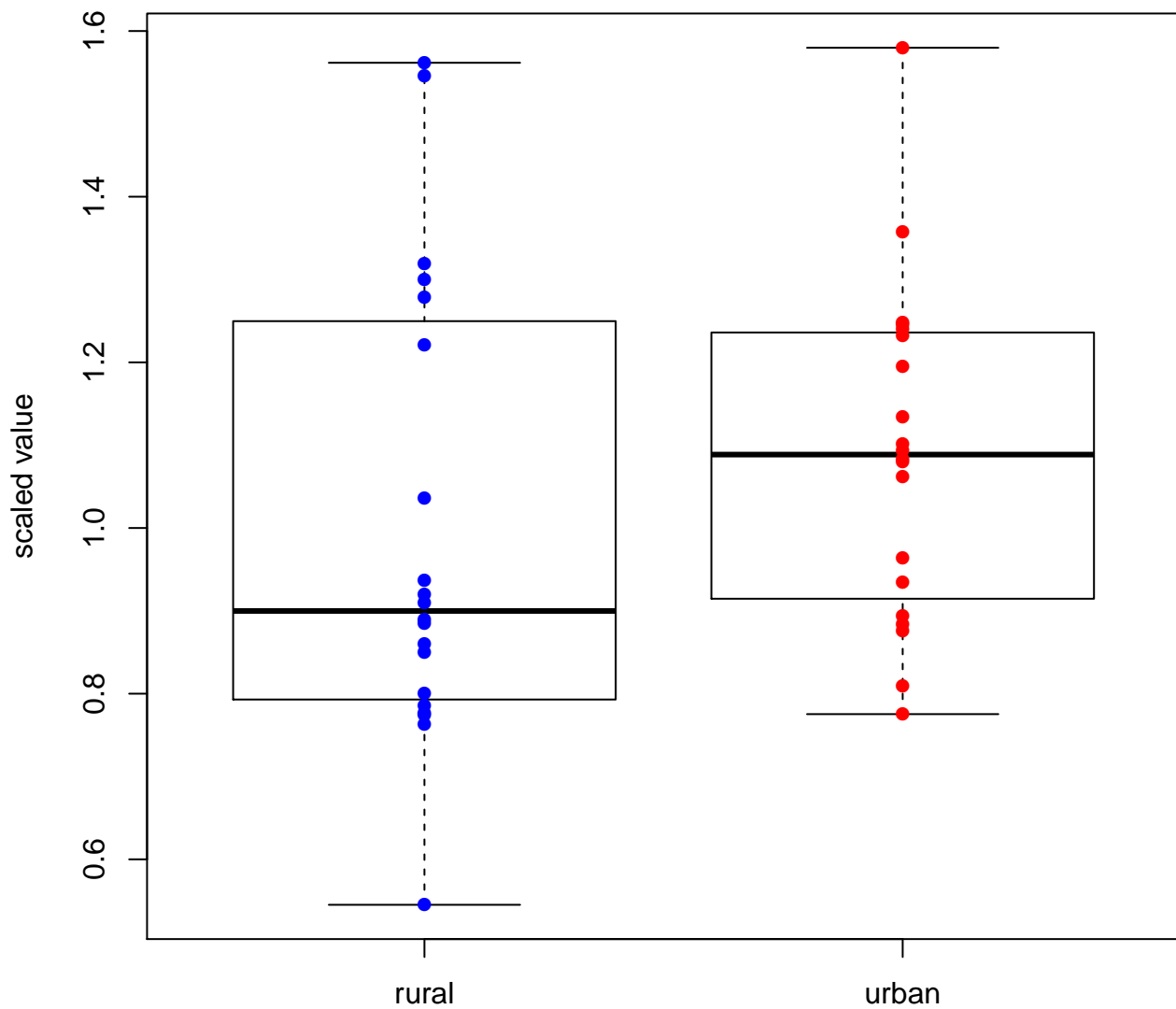
metabolite: tryptophan betaine  
pAdjRuralUrban= 0.526



metabolite: 3-hydroxydecanoate  
pAdjRuralUrban= 0.535

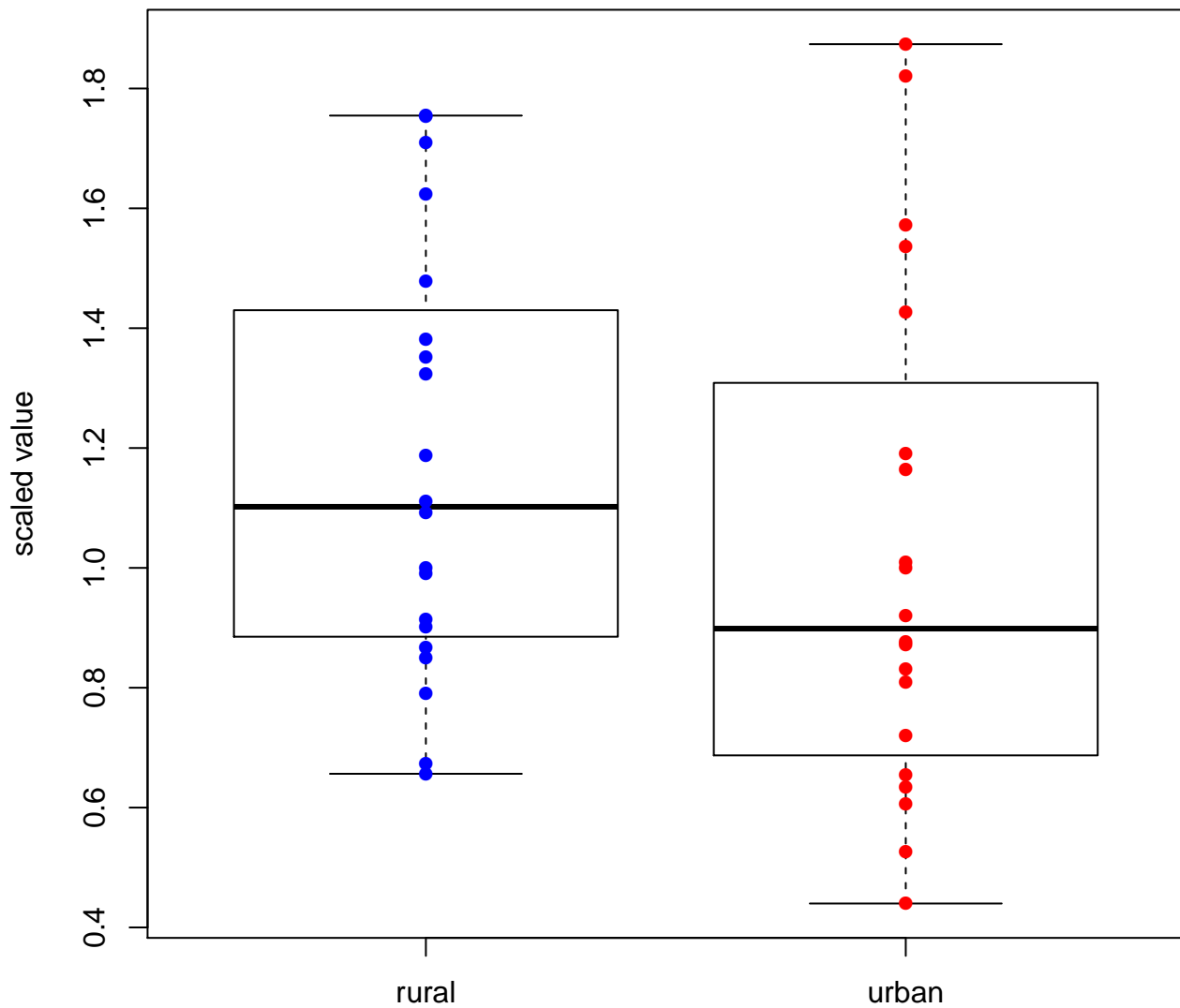


metabolite: citrate  
pAdjRuralUrban= 0.541

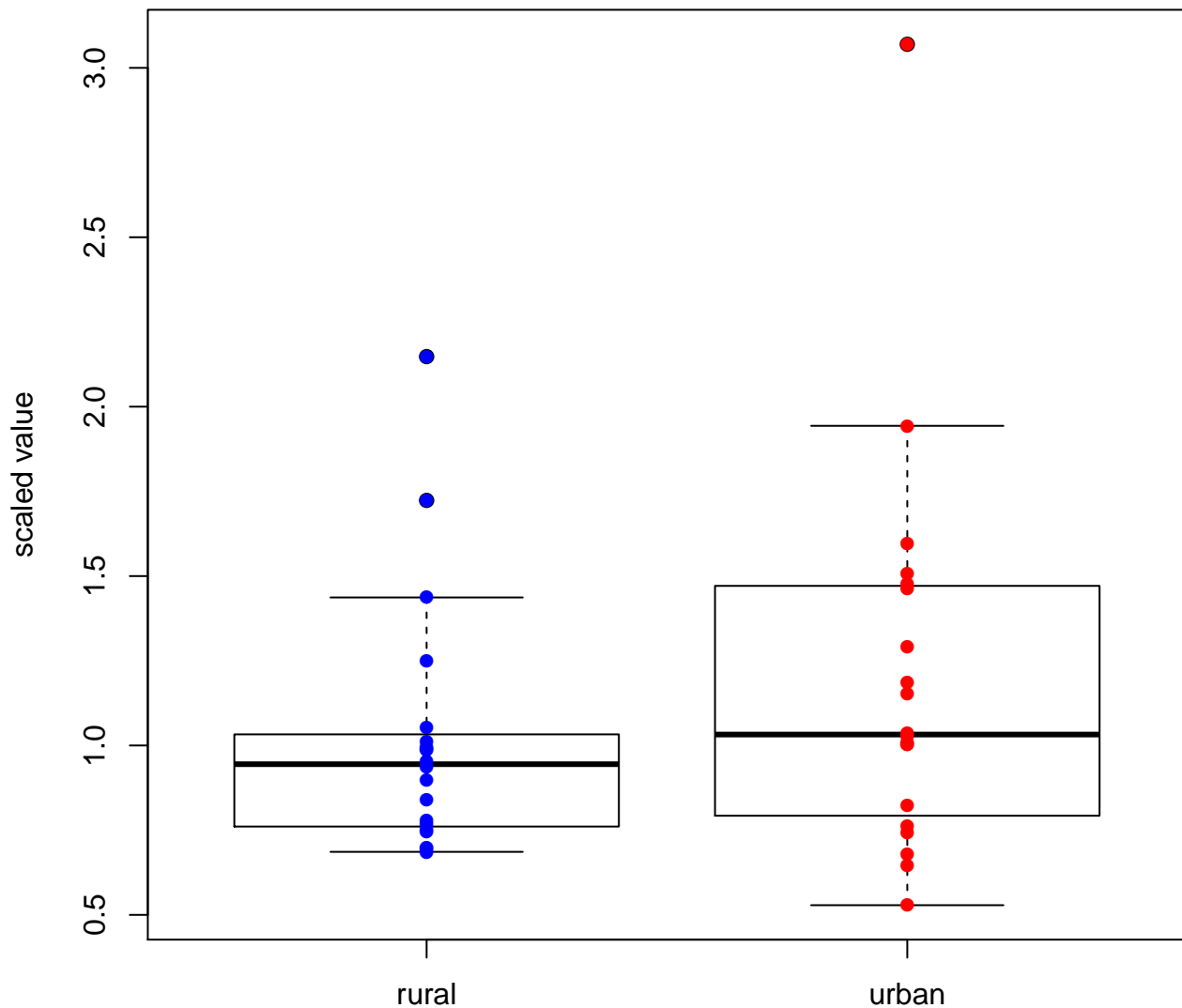


metabolite: 1-linoleoyl-GPE (18:2)

pAdjRuralUrban= 0.545

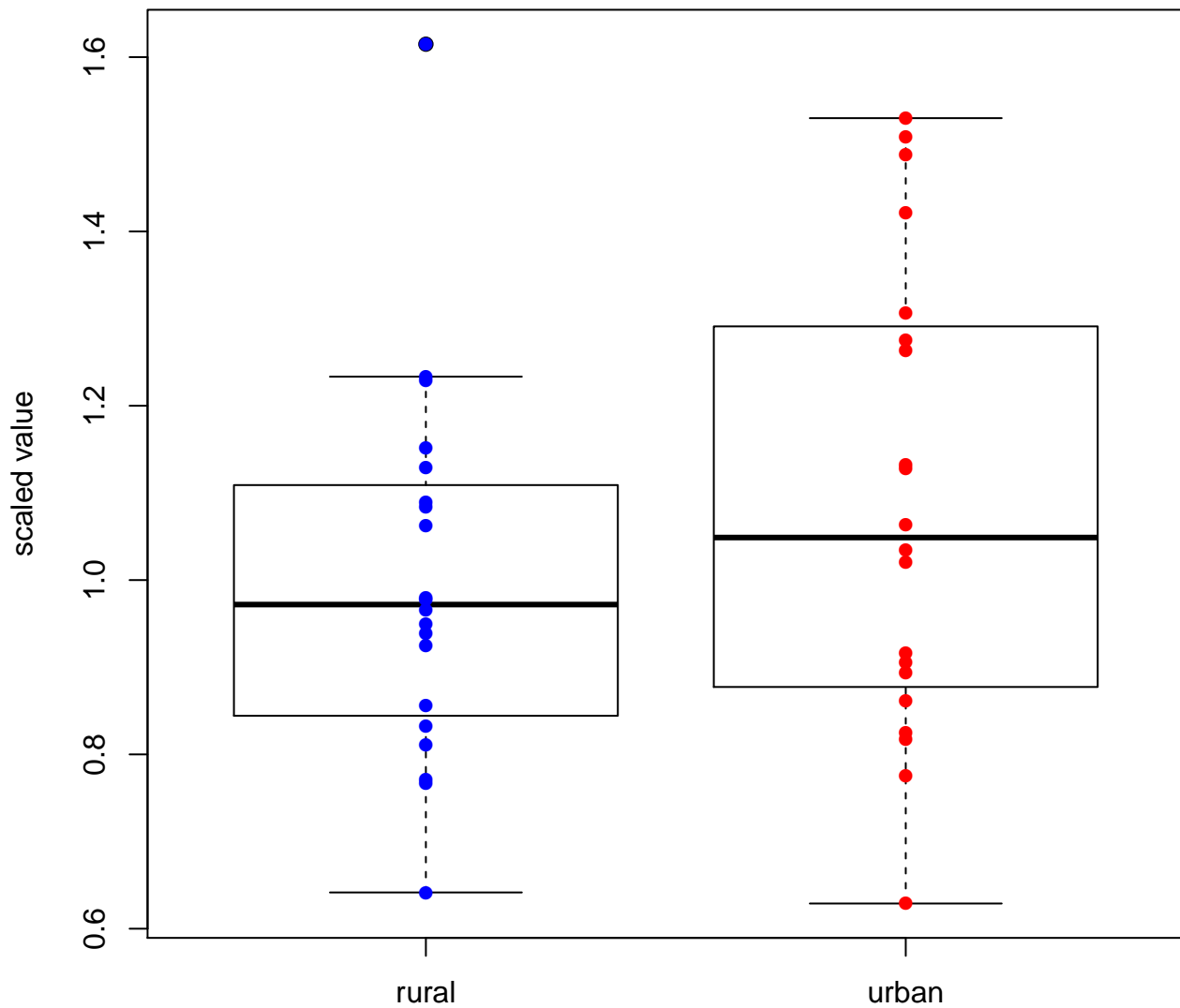


**metabolite: 7- $\alpha$ -hydroxy-3-oxo-4-cholestenoate (7-Hoca)**  
**pAdjRuralUrban= 0.545**



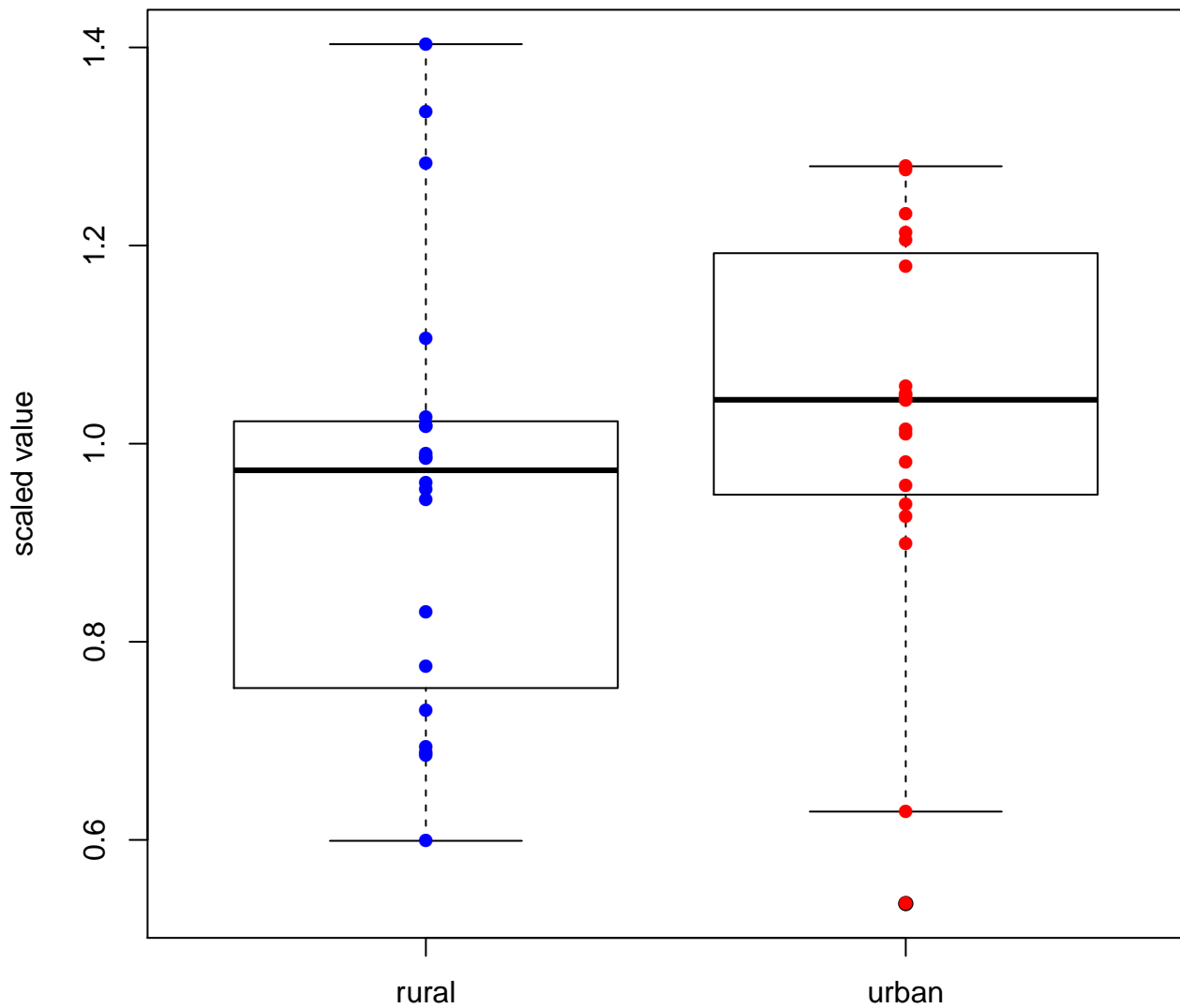
metabolite: cis-vaccenate (18:1n7)

pAdjRuralUrban= 0.546



metabolite: N-acetylaspartate (NAA)

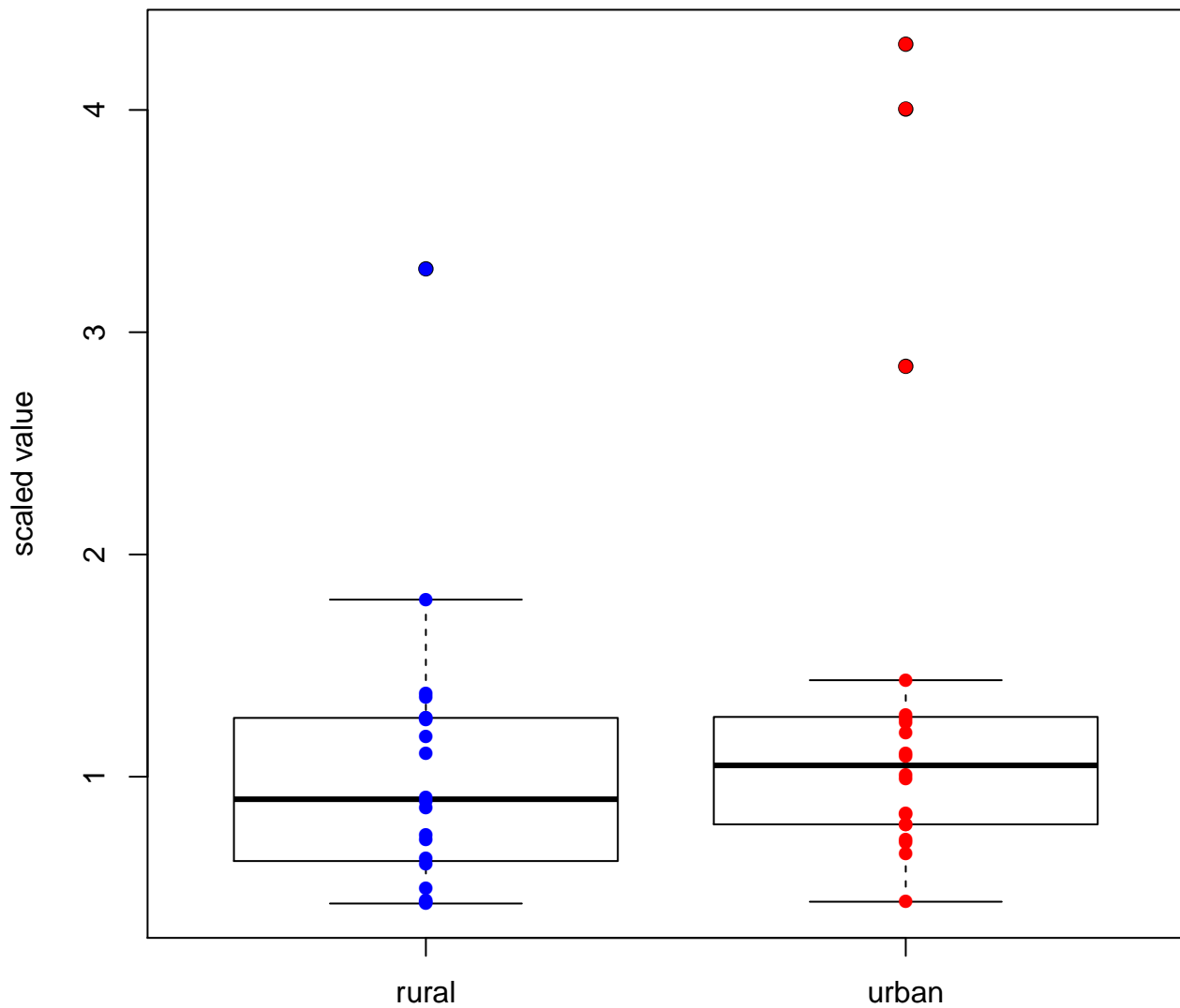
pAdjRuralUrban= 0.546





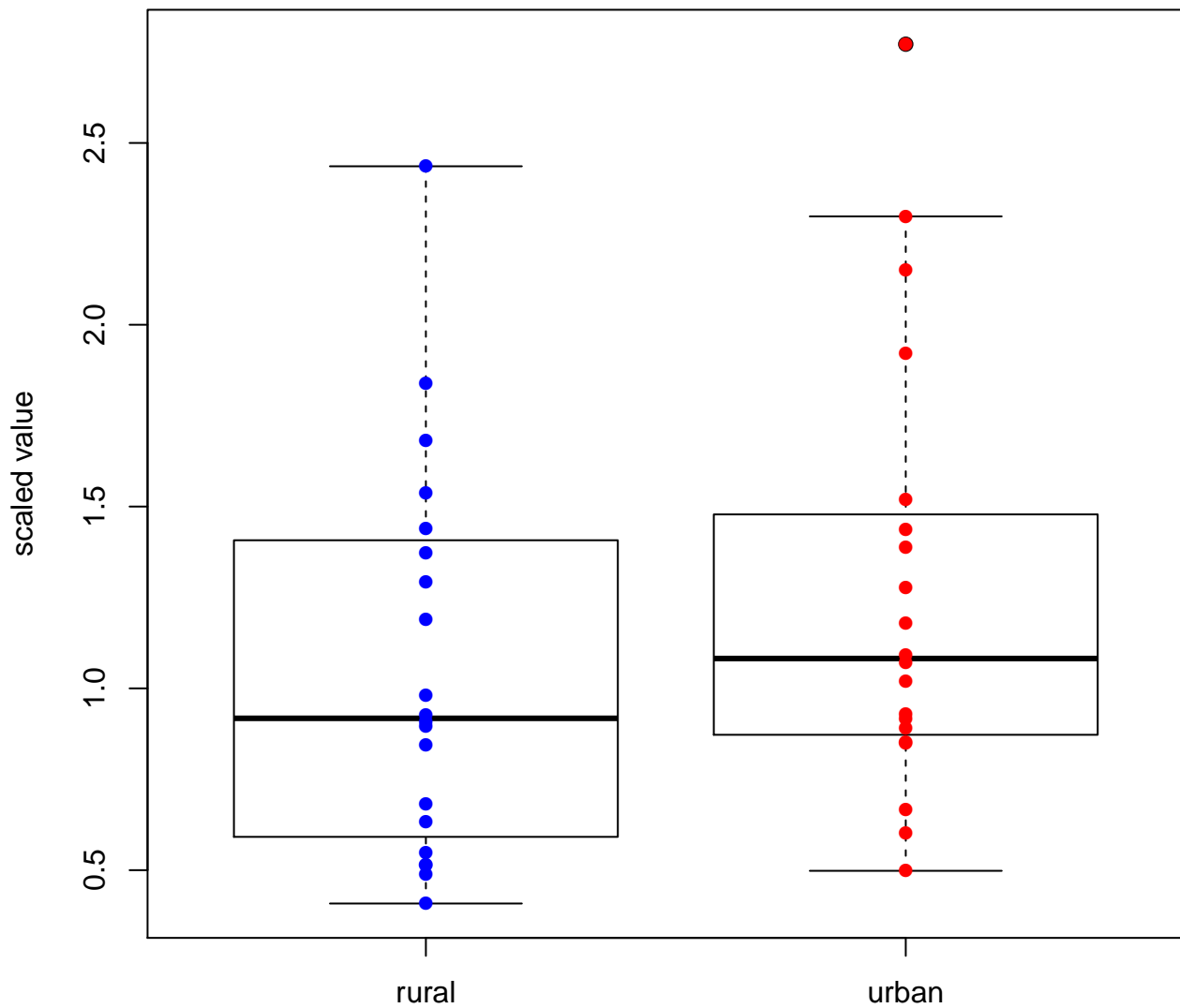
metabolite: octanoylcarnitine

pAdjRuralUrban= 0.546

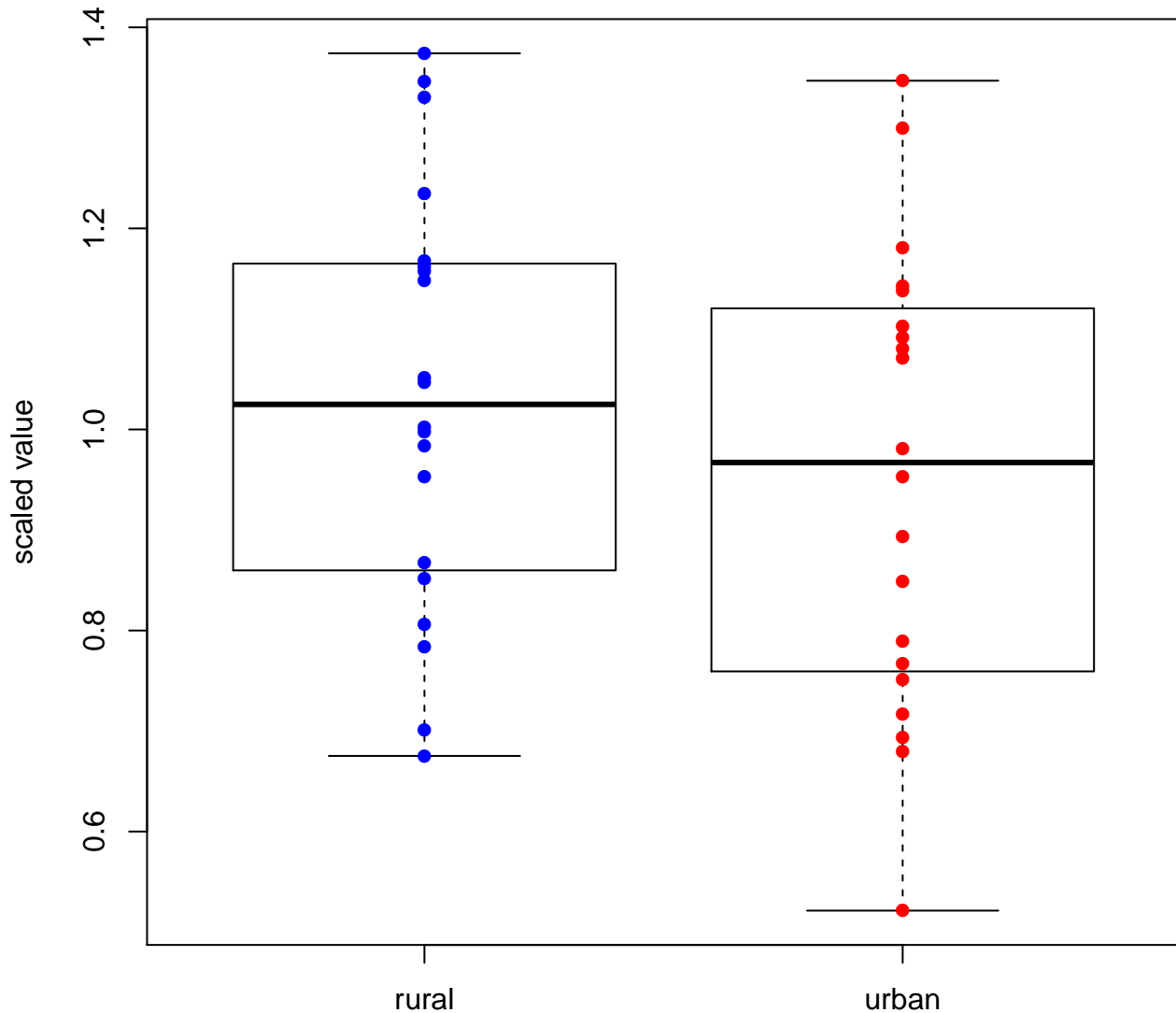


metabolite: palmitoleate (16:1n7)

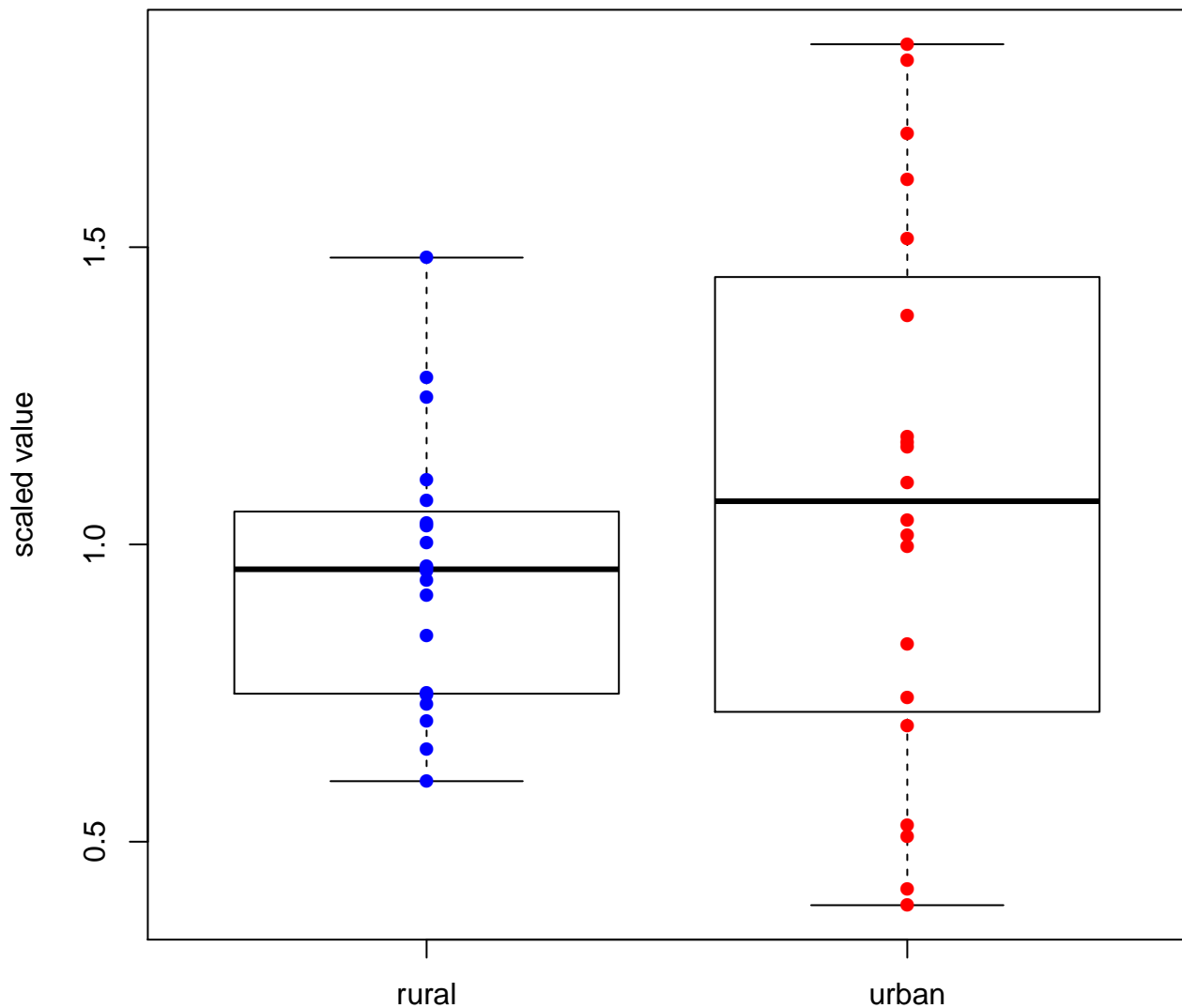
pAdjRuralUrban= 0.546



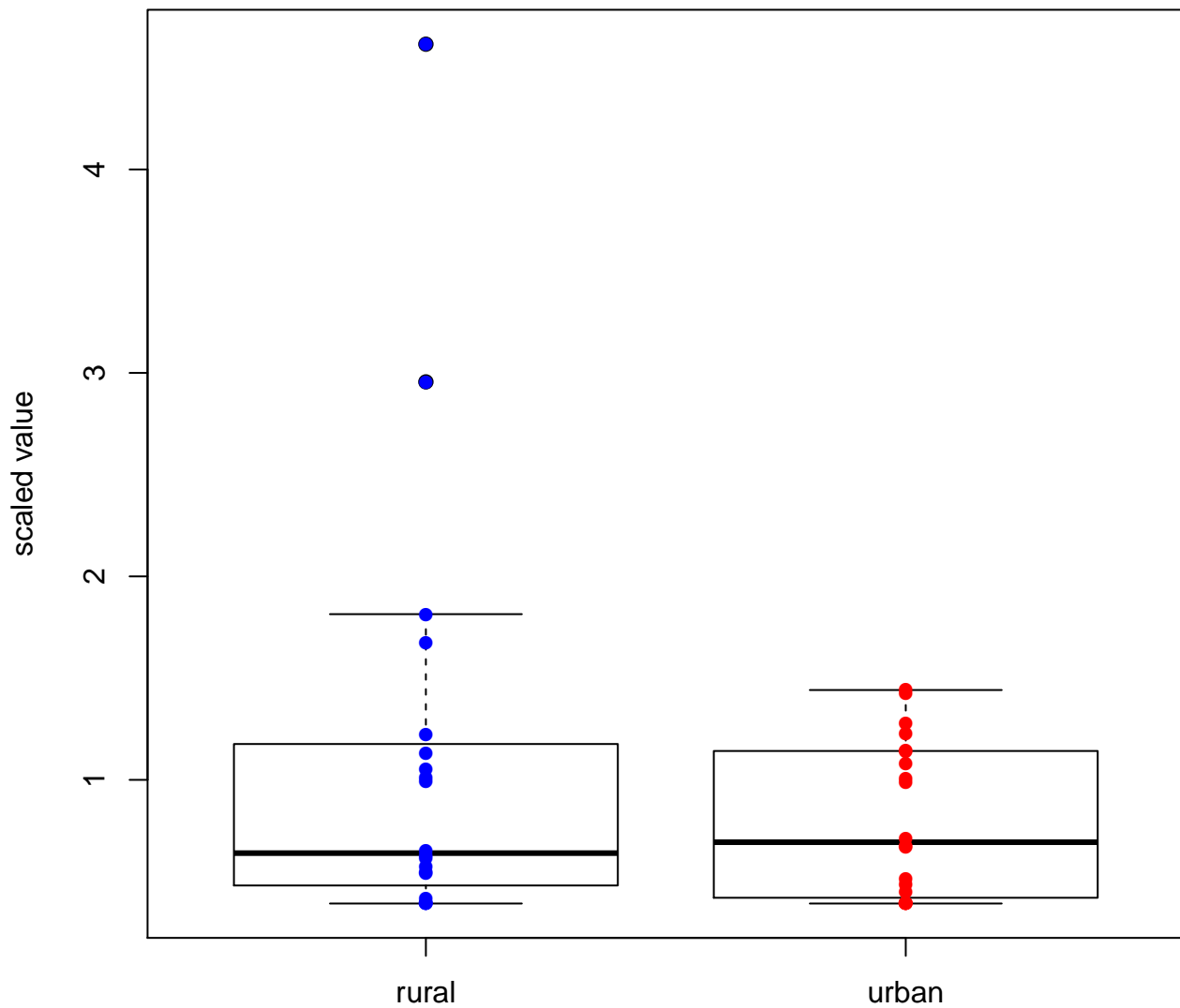
metabolite: palmitoyl sphingomyelin (d18:1/16:0)  
pAdjRuralUrban= 0.546



metabolite: stearoyl sphingomyelin (d18:1/18:0)  
pAdjRuralUrban= 0.546

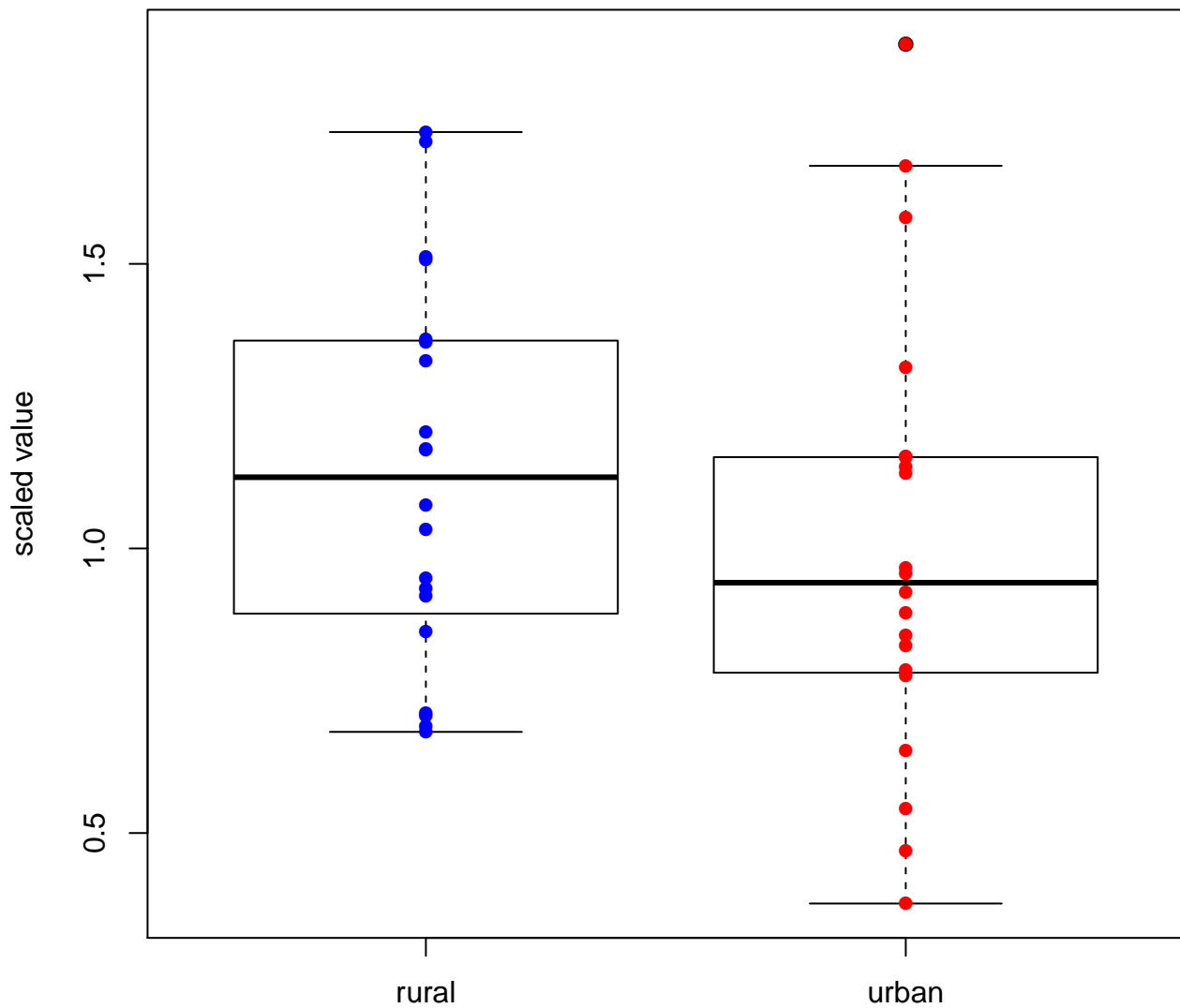


metabolite: tauroursodeoxycholate  
pAdjRuralUrban= 0.546

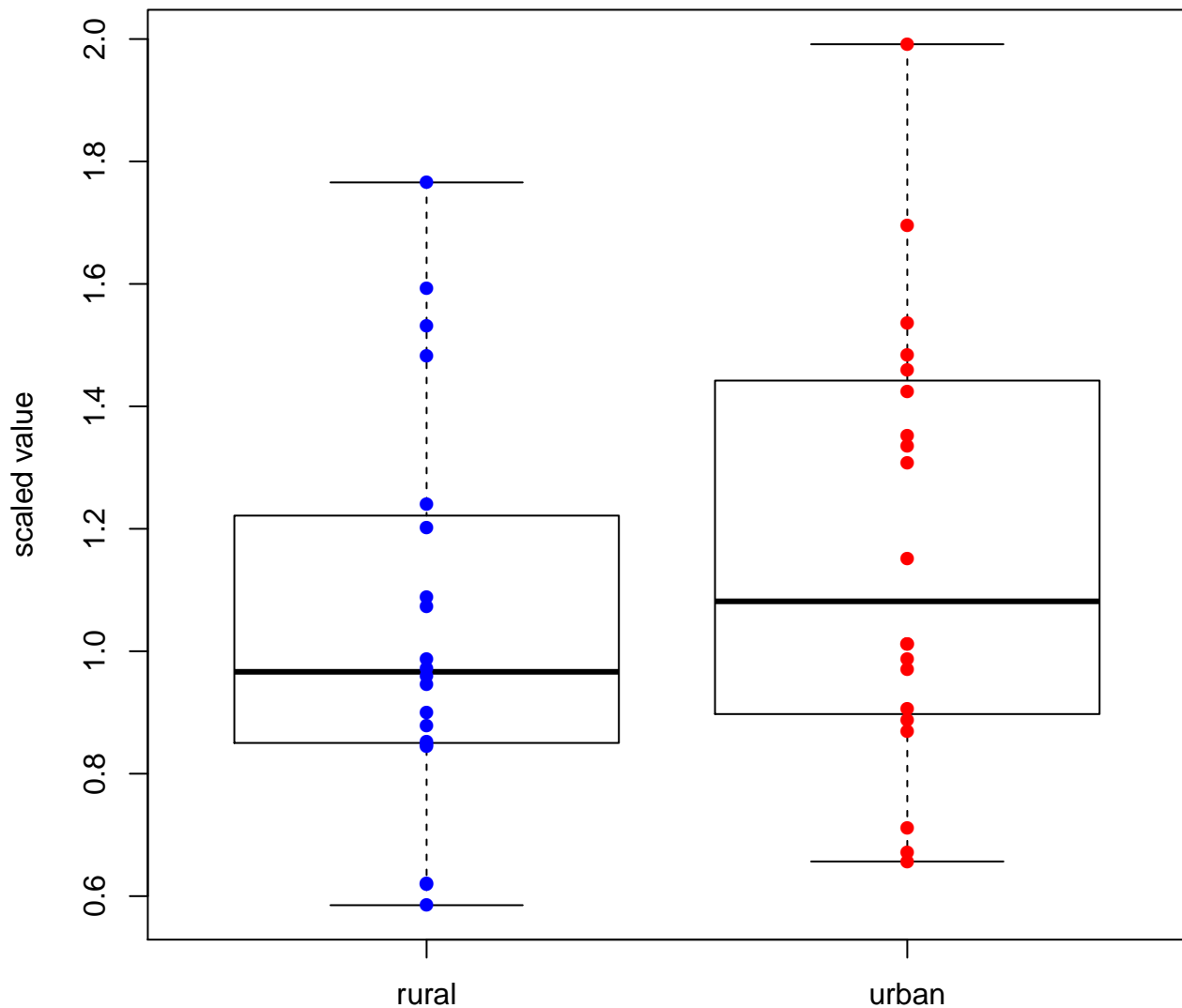


metabolite: 1-oleoyl-GPI (18:1)

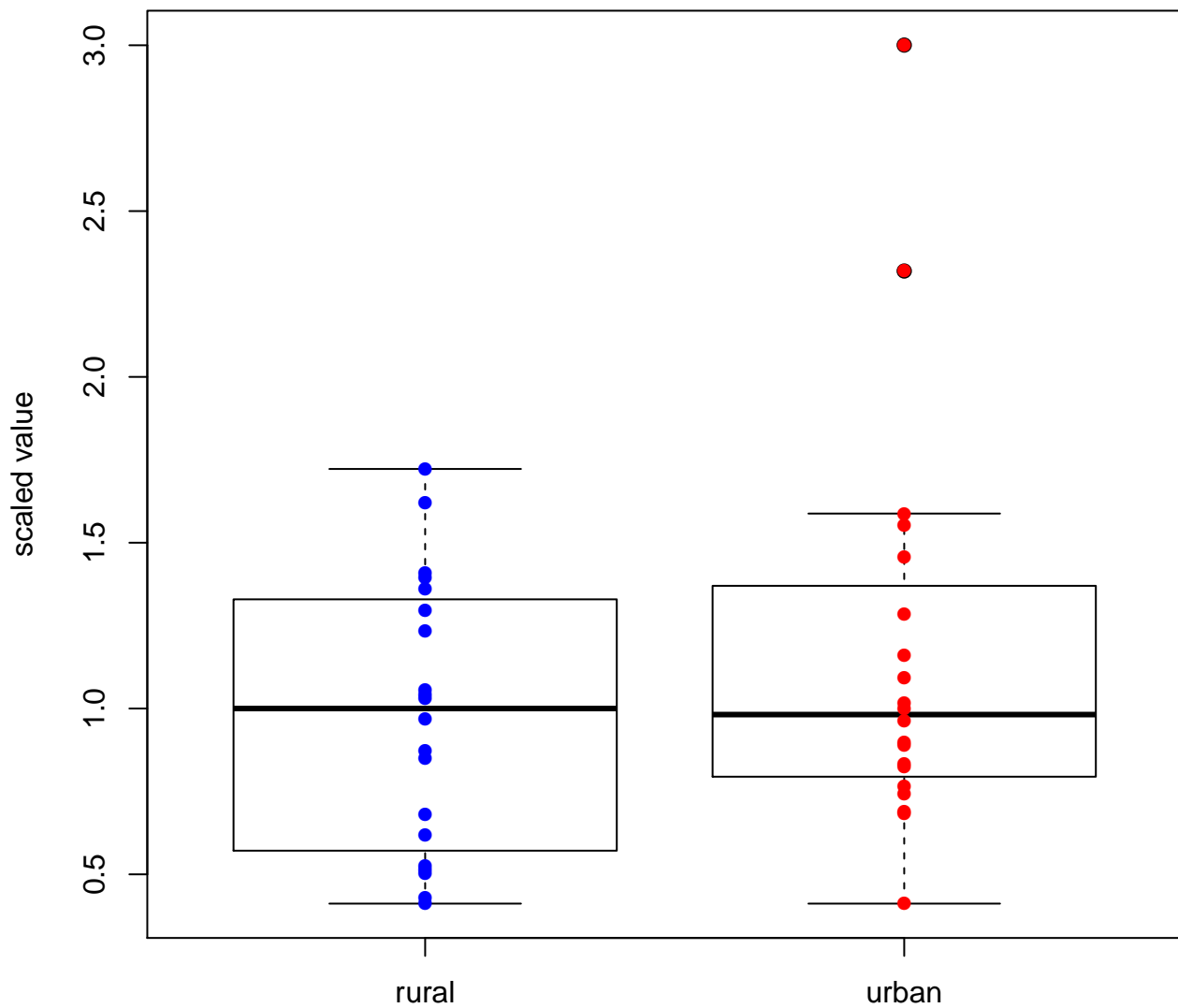
pAdjRuralUrban= 0.566



**metabolite: 3-(4-hydroxyphenyl)lactate**  
**pAdjRuralUrban= 0.566**

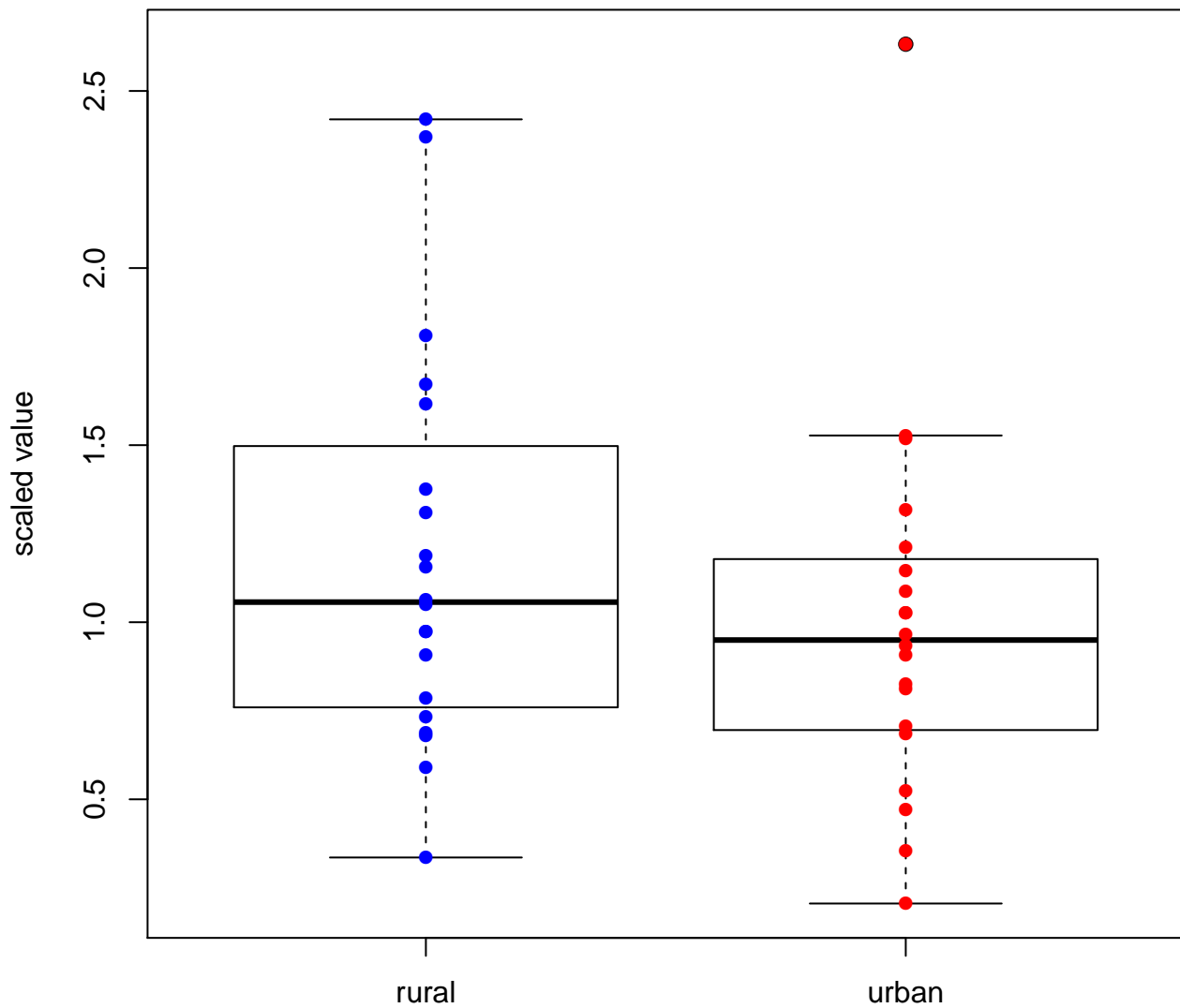


metabolite: 3-hydroxy-2-ethylpropionate  
pAdjRuralUrban= 0.566

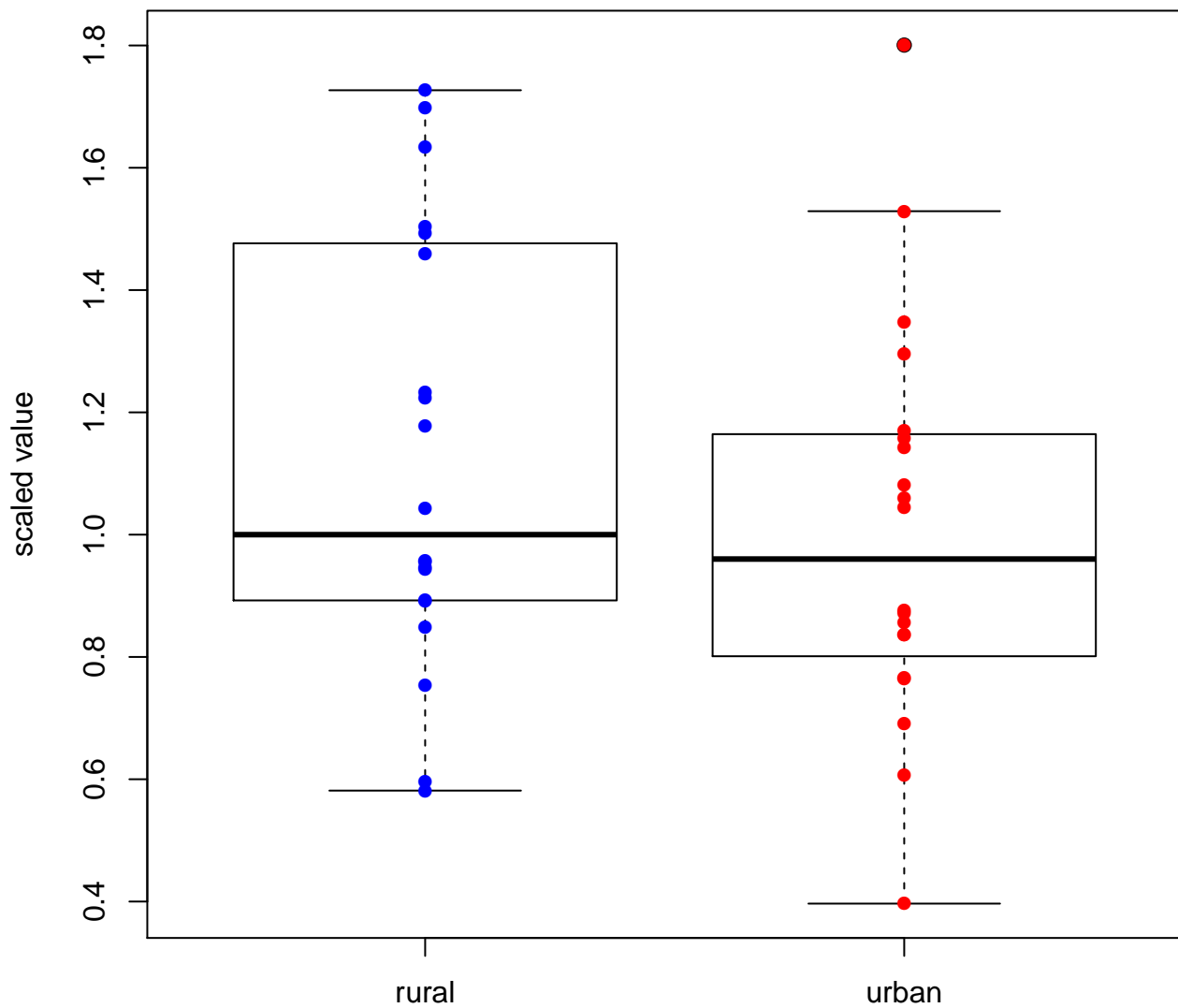




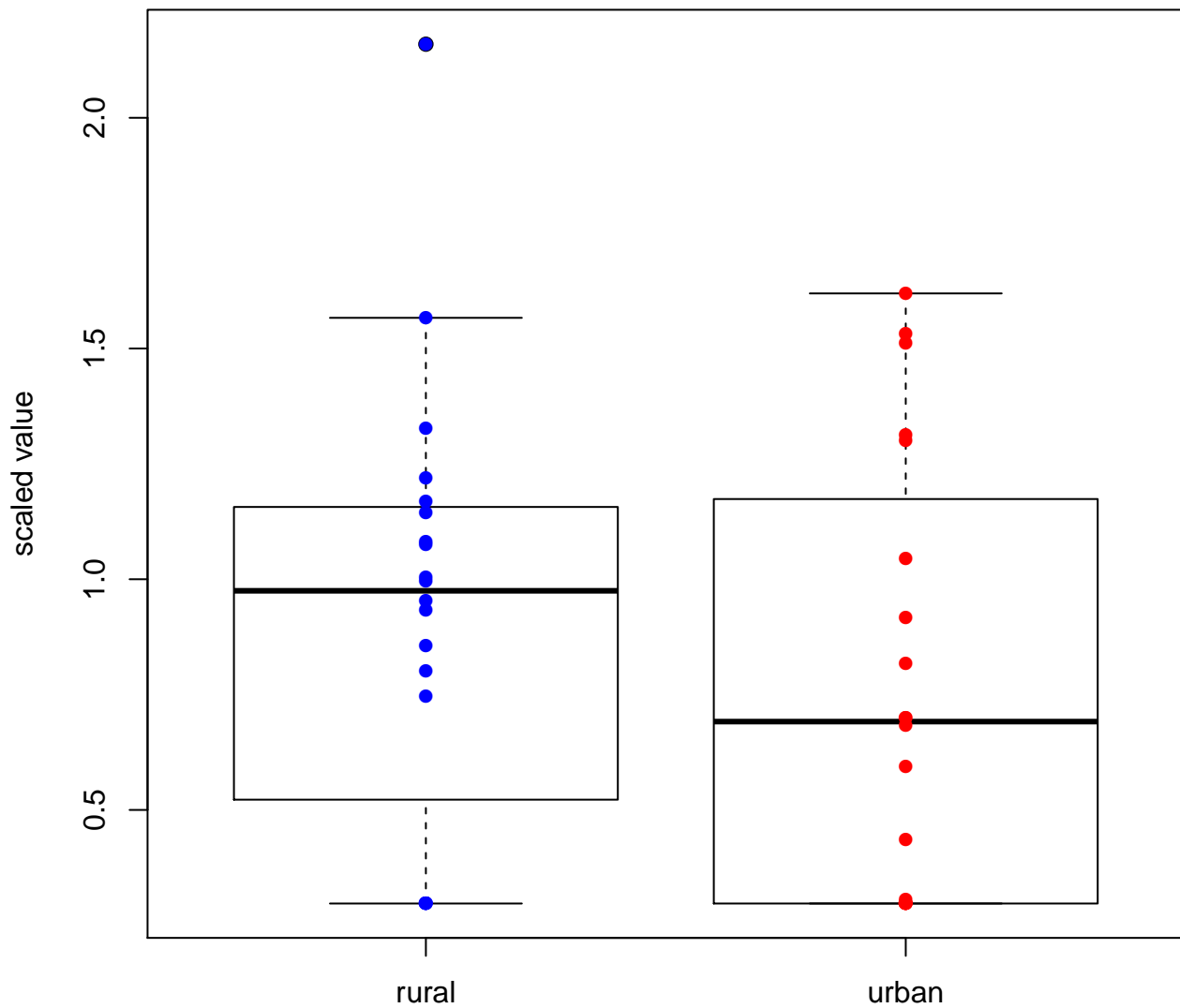
metabolite: pregnenolone sulfate  
pAdjRuralUrban= 0.566



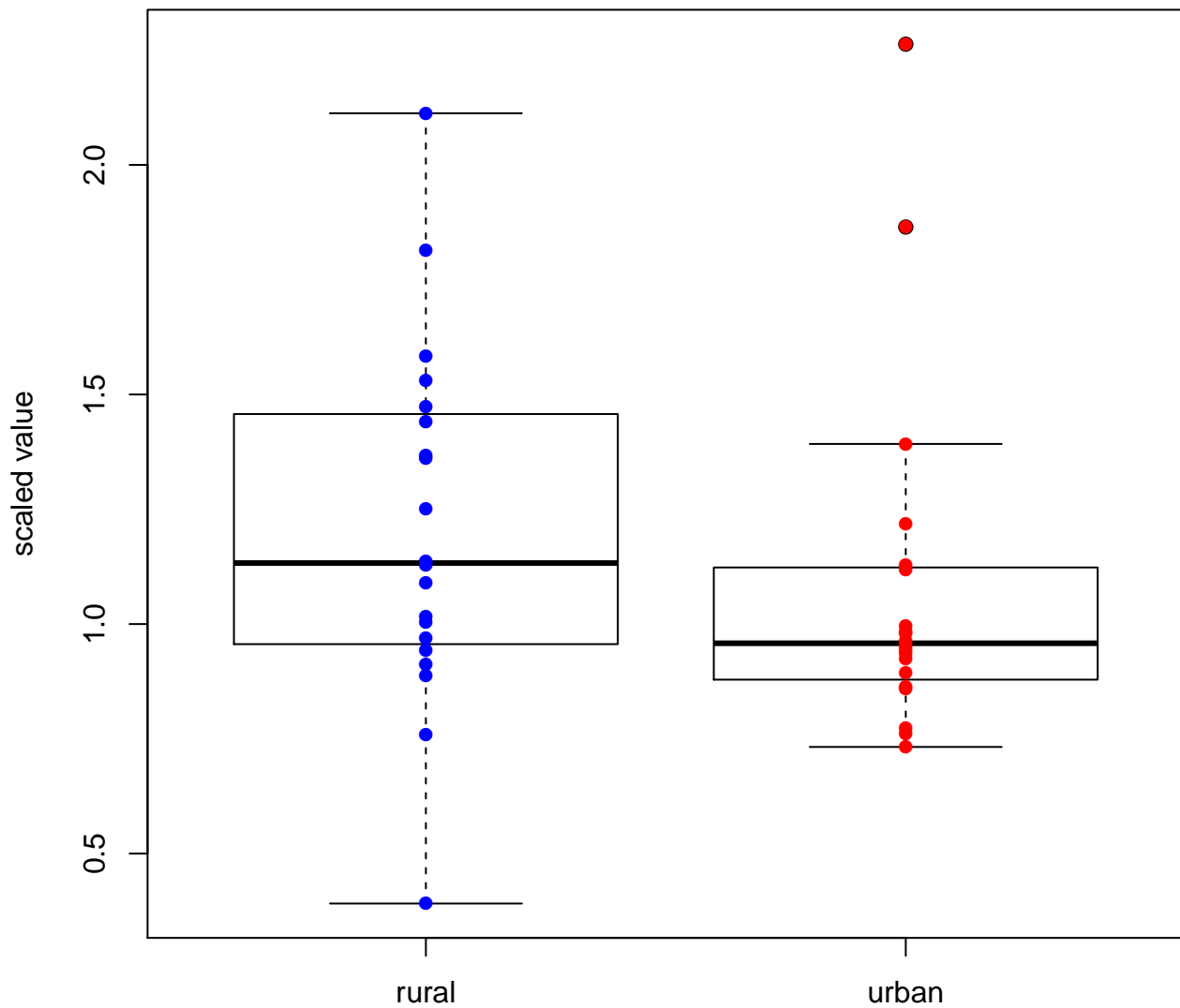
metabolite: propionylcarnitine  
pAdjRuralUrban= 0.566



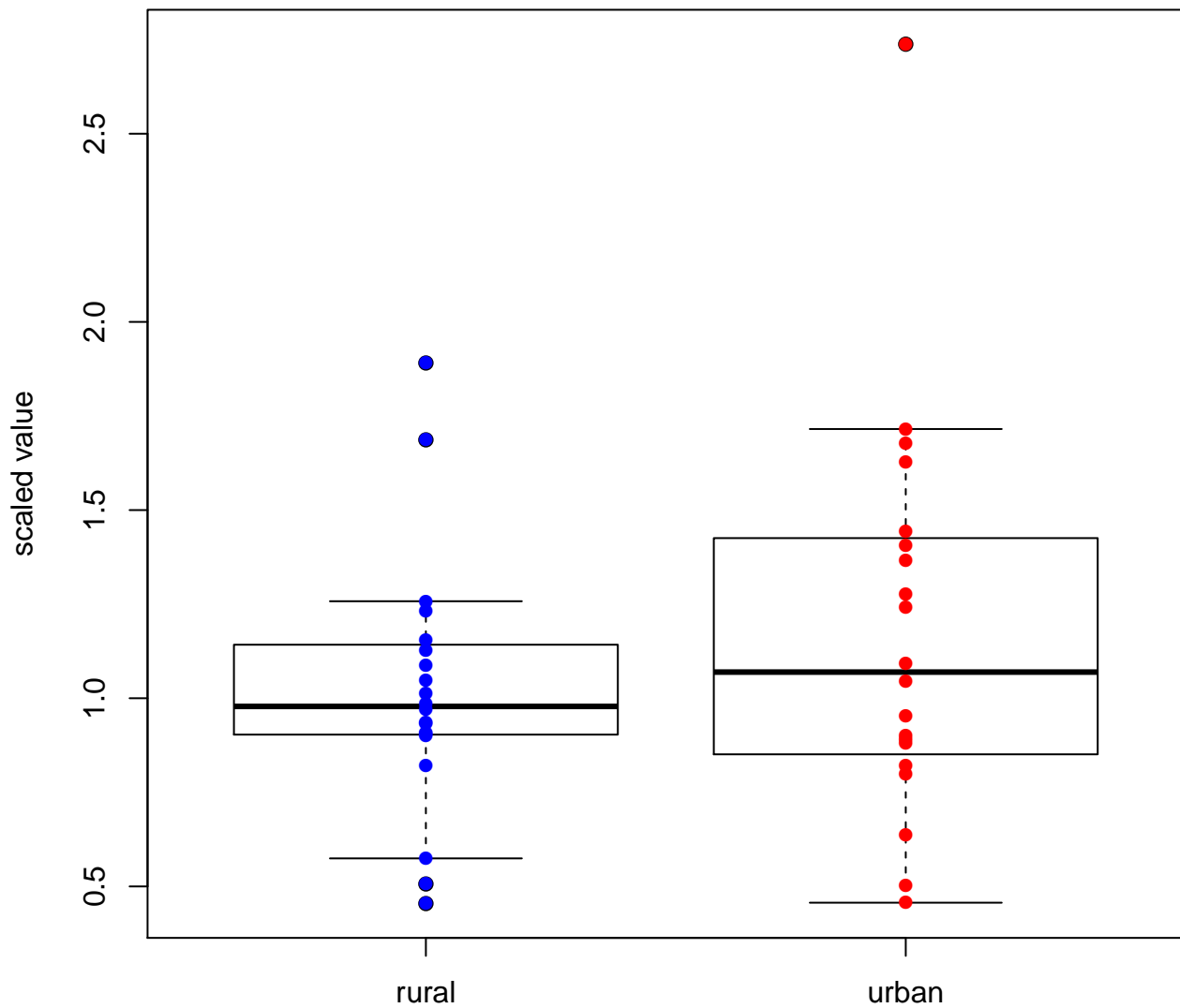
metabolite: 2-palmitoleoyl-GPC (16:1)  
pAdjRuralUrban= 0.567



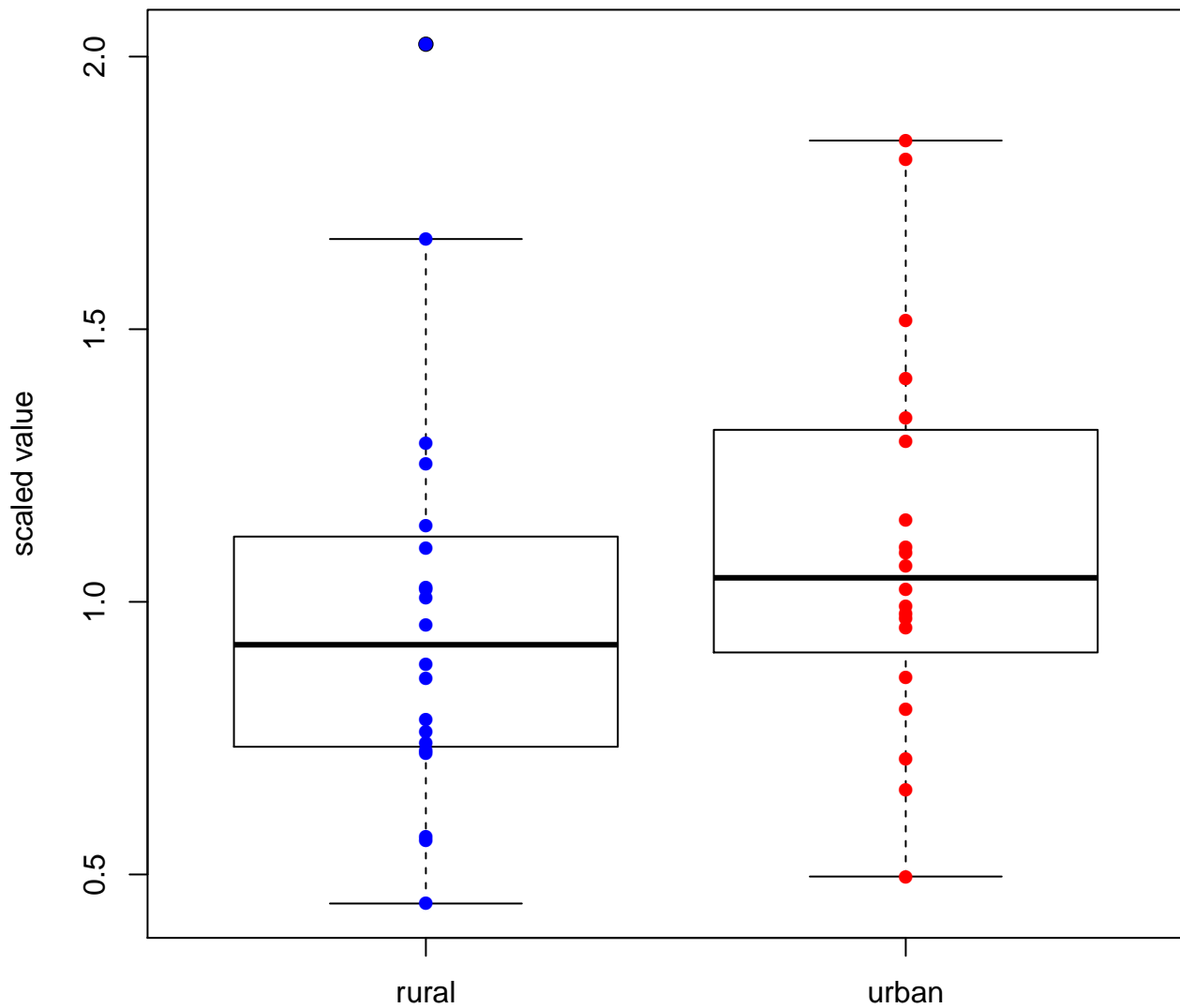
metabolite: asparagine  
pAdjRuralUrban= 0.567



metabolite: docosapentaenoate (n3 DPA; 22:5n3)  
pAdjRuralUrban= 0.567

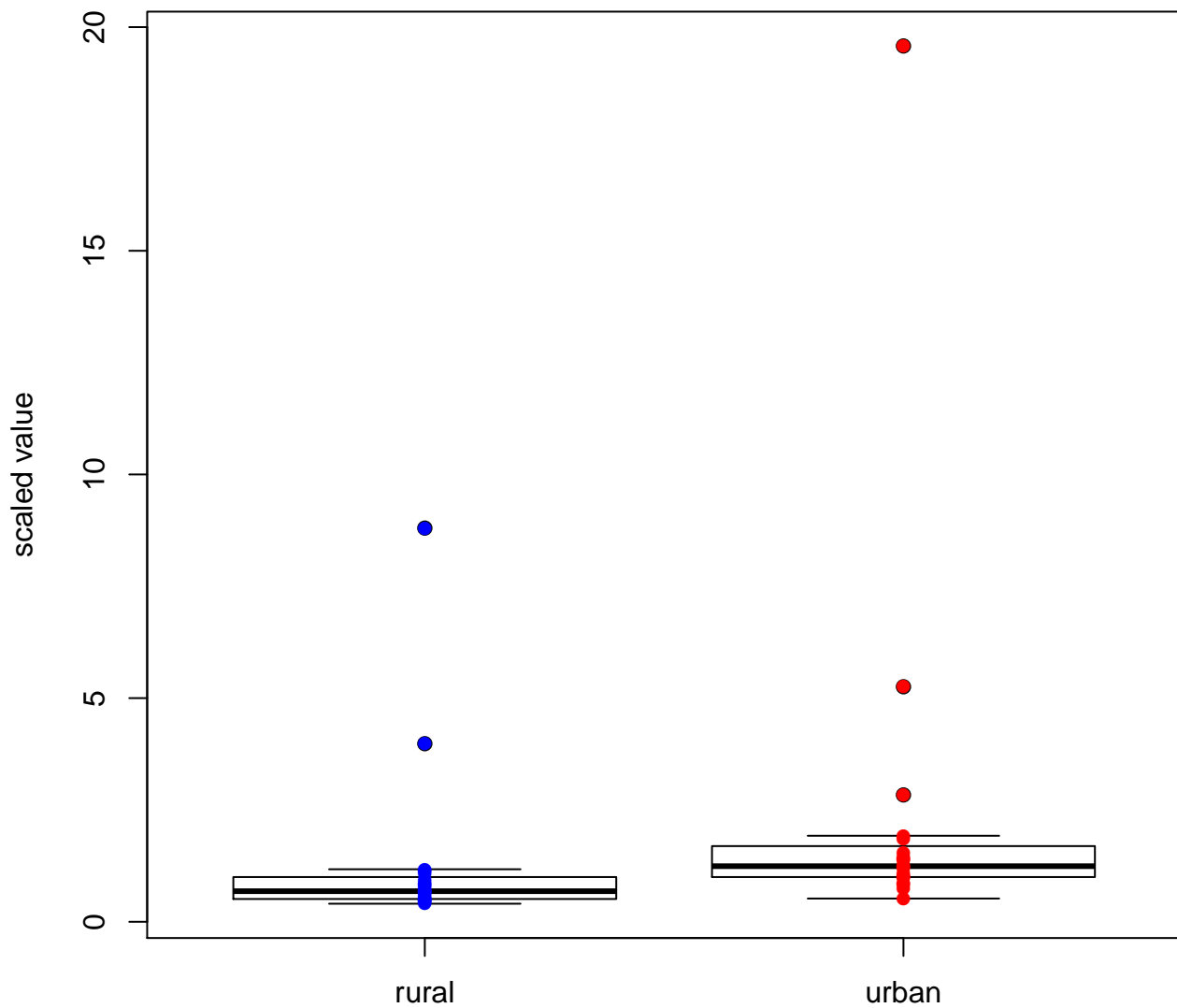


metabolite: docosapentaenoate (n6 DPA; 22:5n6)  
pAdjRuralUrban= 0.567

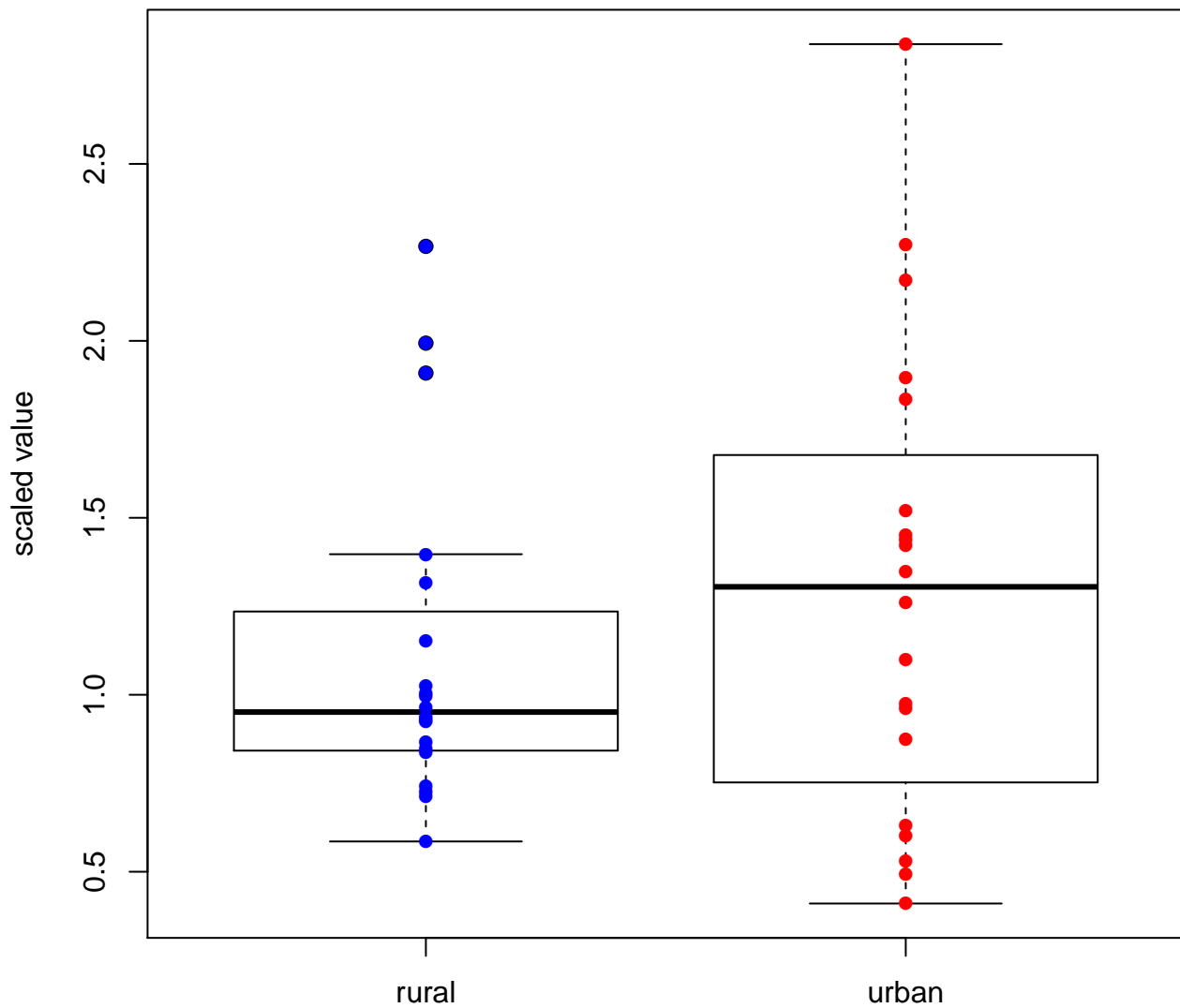


metabolite: erucate (22:1n9)

pAdjRuralUrban= 0.567

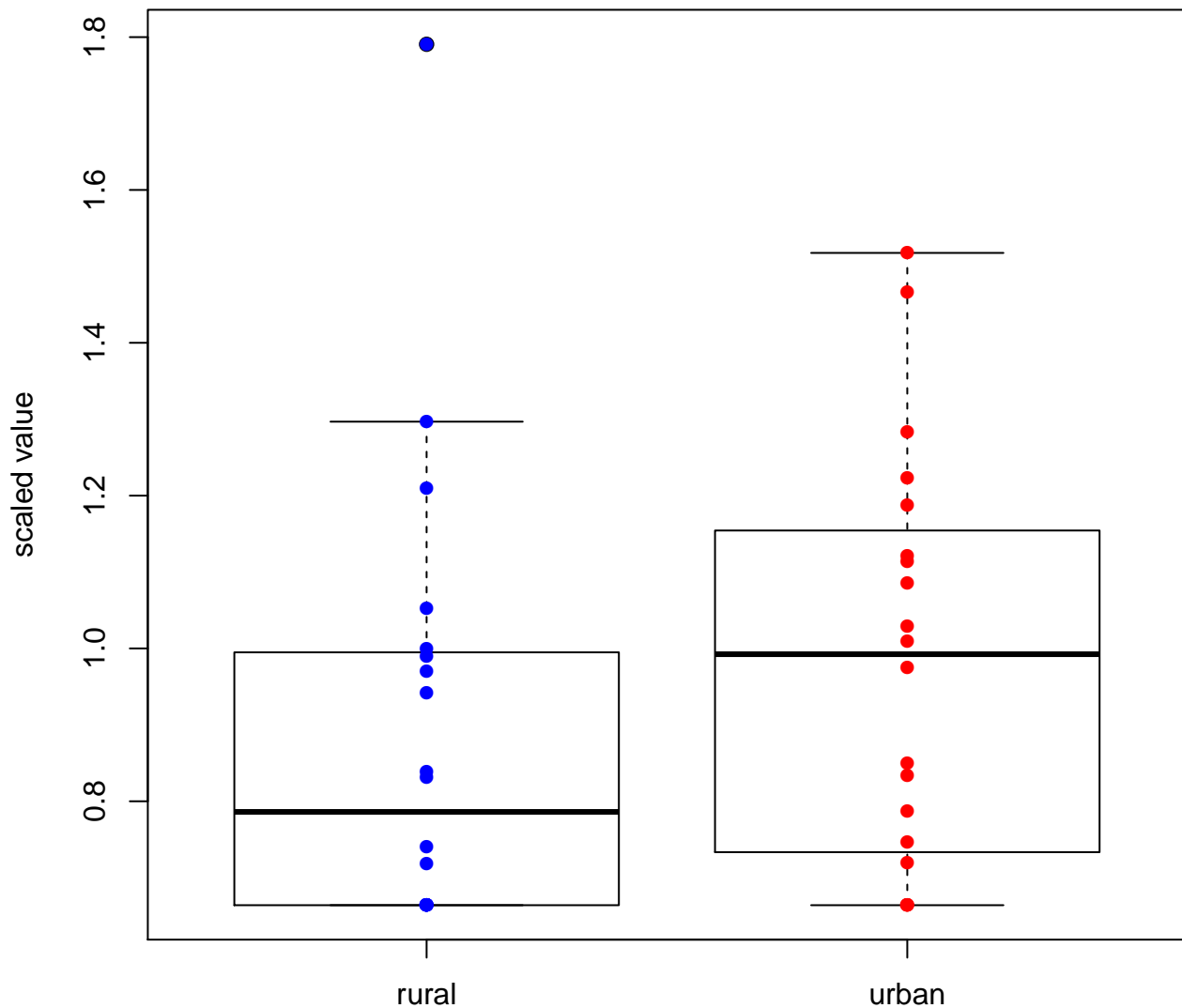


metabolite: lathosterol  
pAdjRuralUrban= 0.567



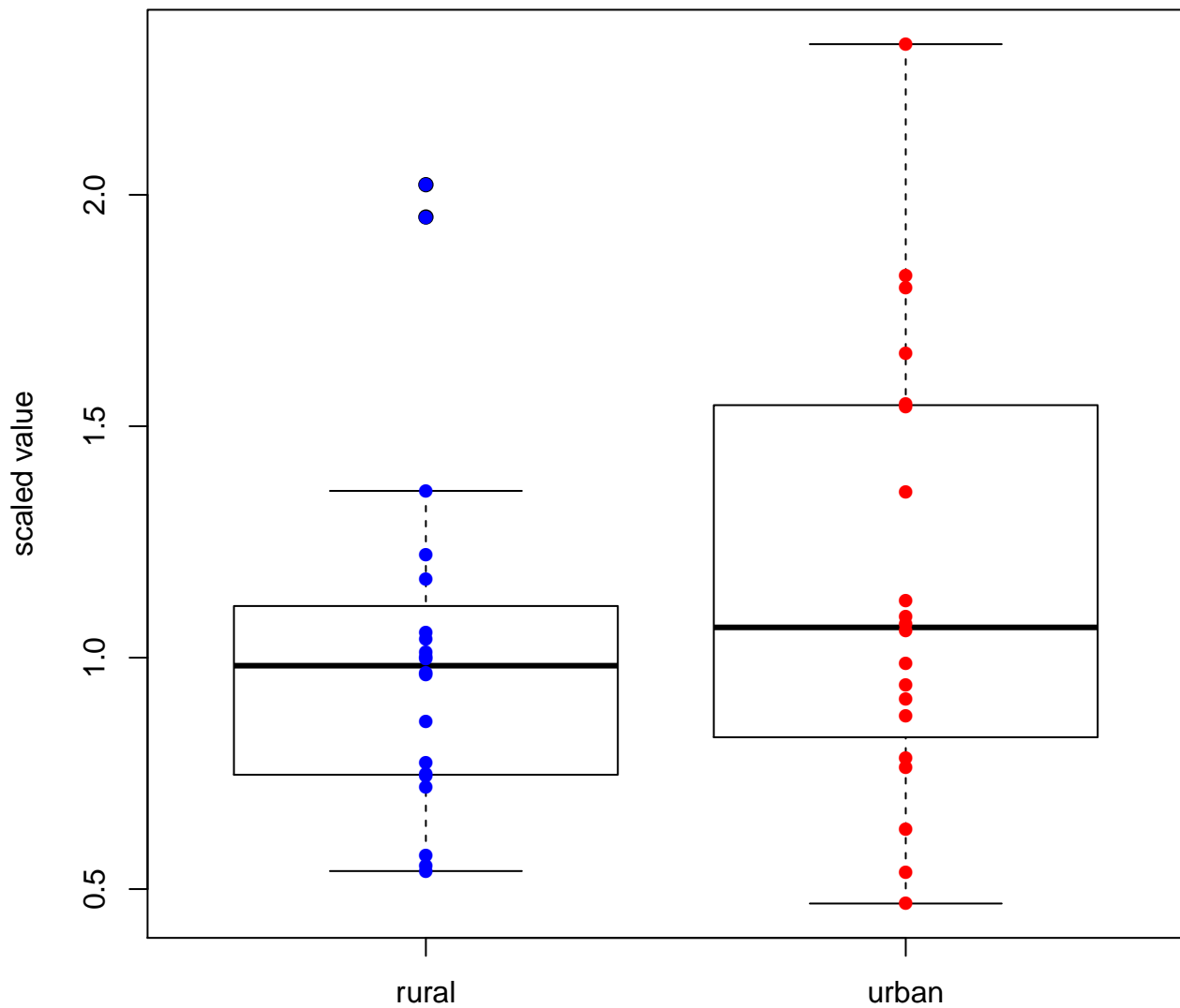


**metabolite: N6-carbamoylthreonyladenosine**  
**pAdjRuralUrban= 0.567**

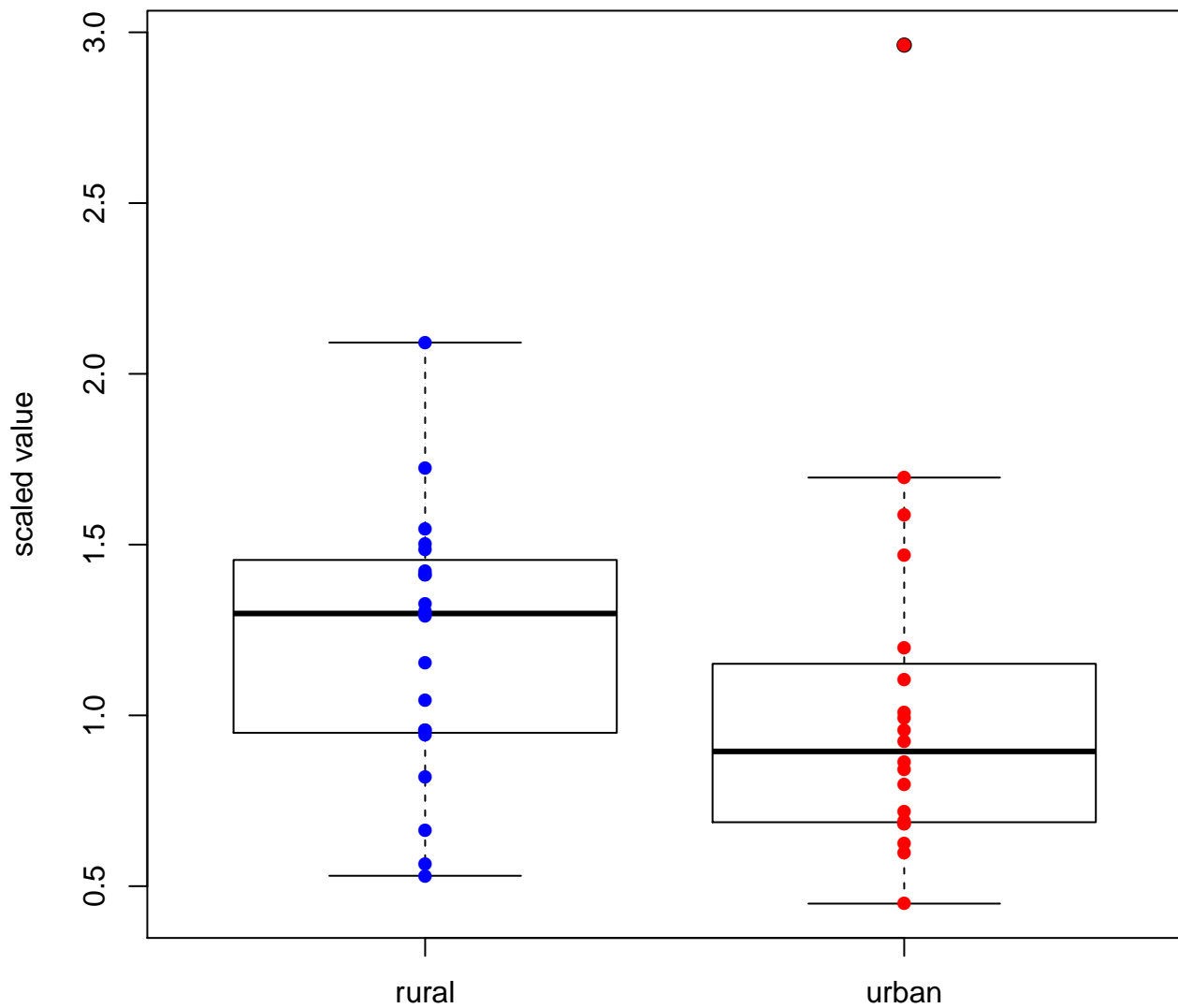


metabolite: 5-dodecenoate (12:1n7)

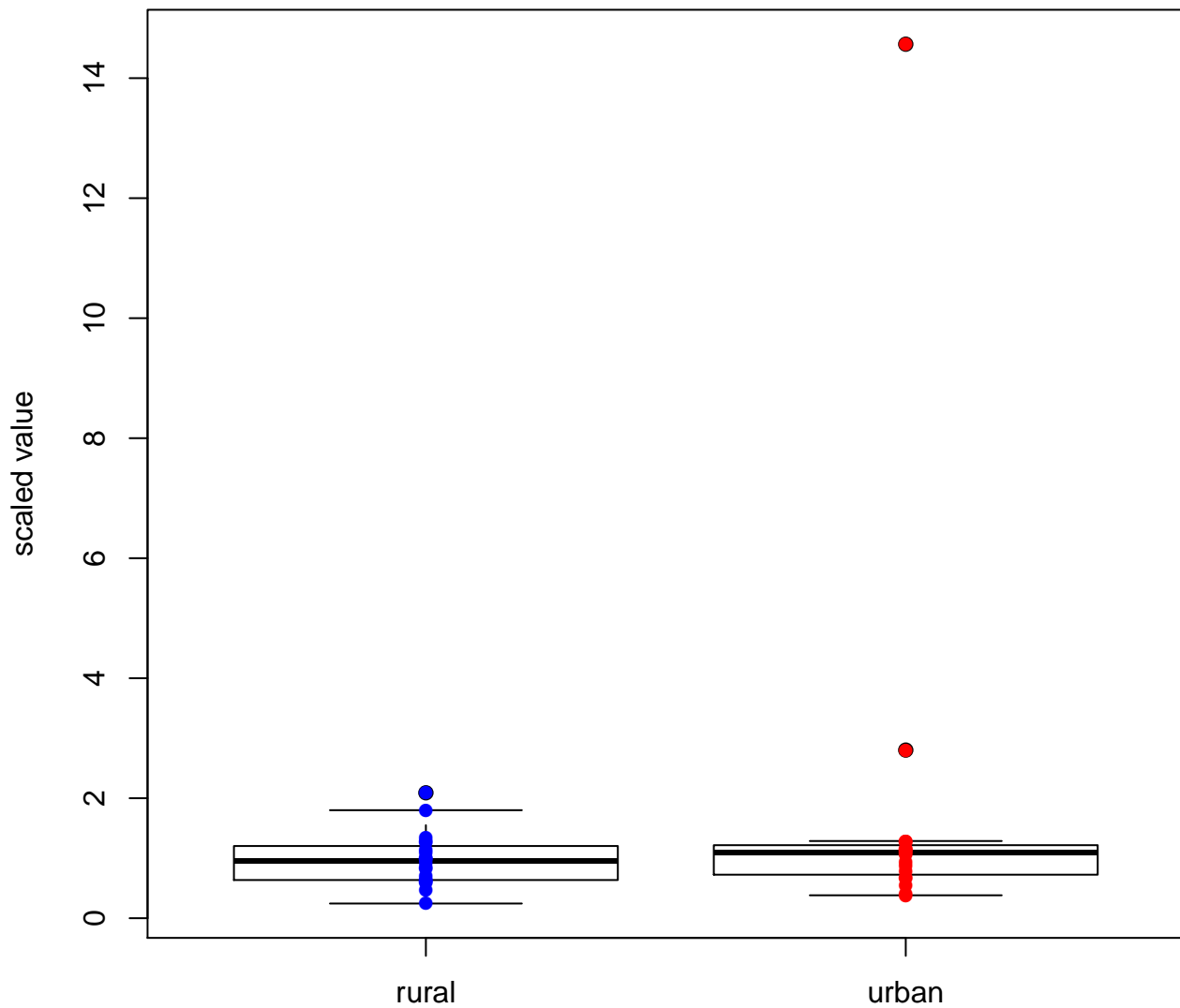
pAdjRuralUrban= 0.568



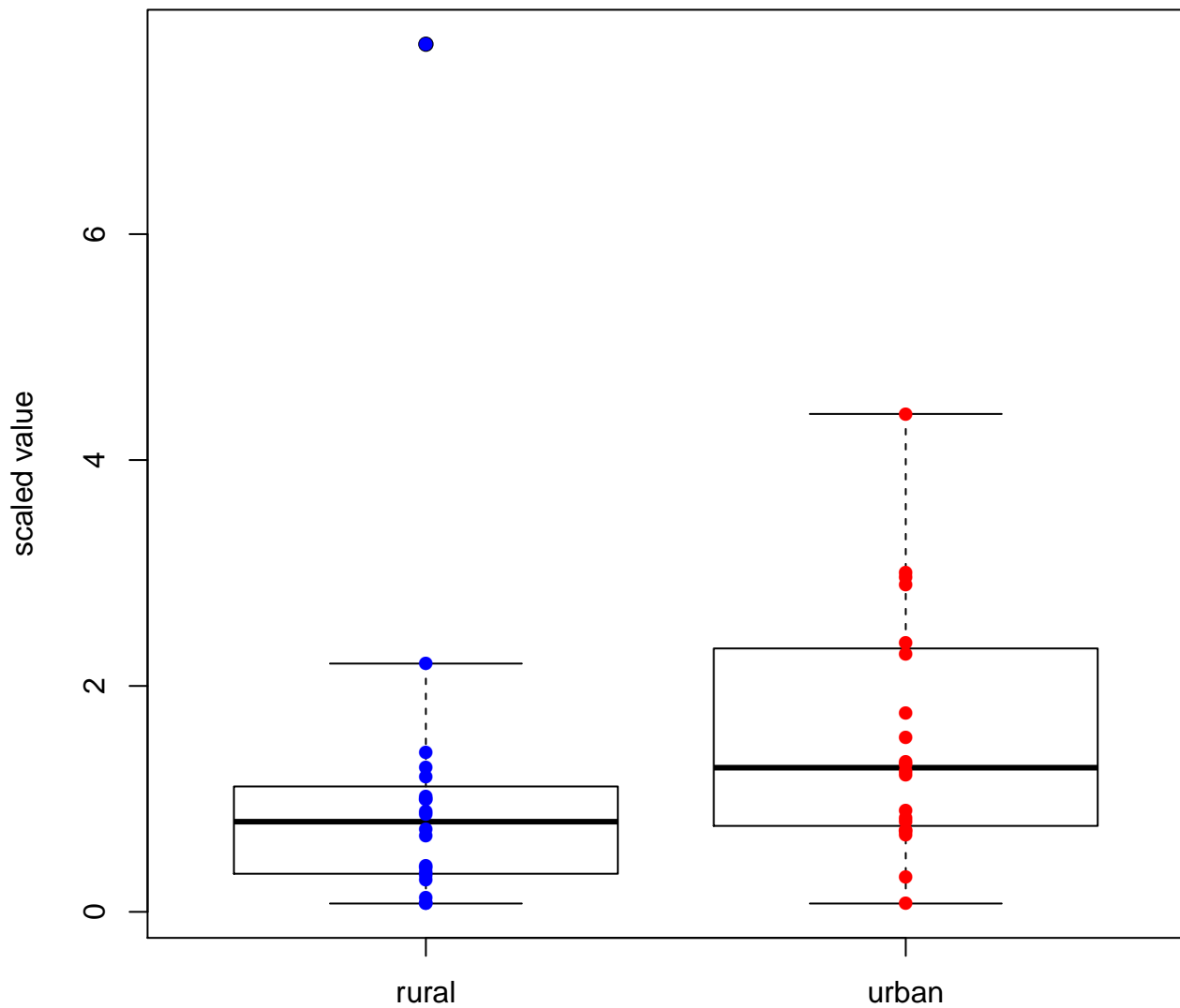
metabolite: biliverdin  
pAdjRuralUrban= 0.568



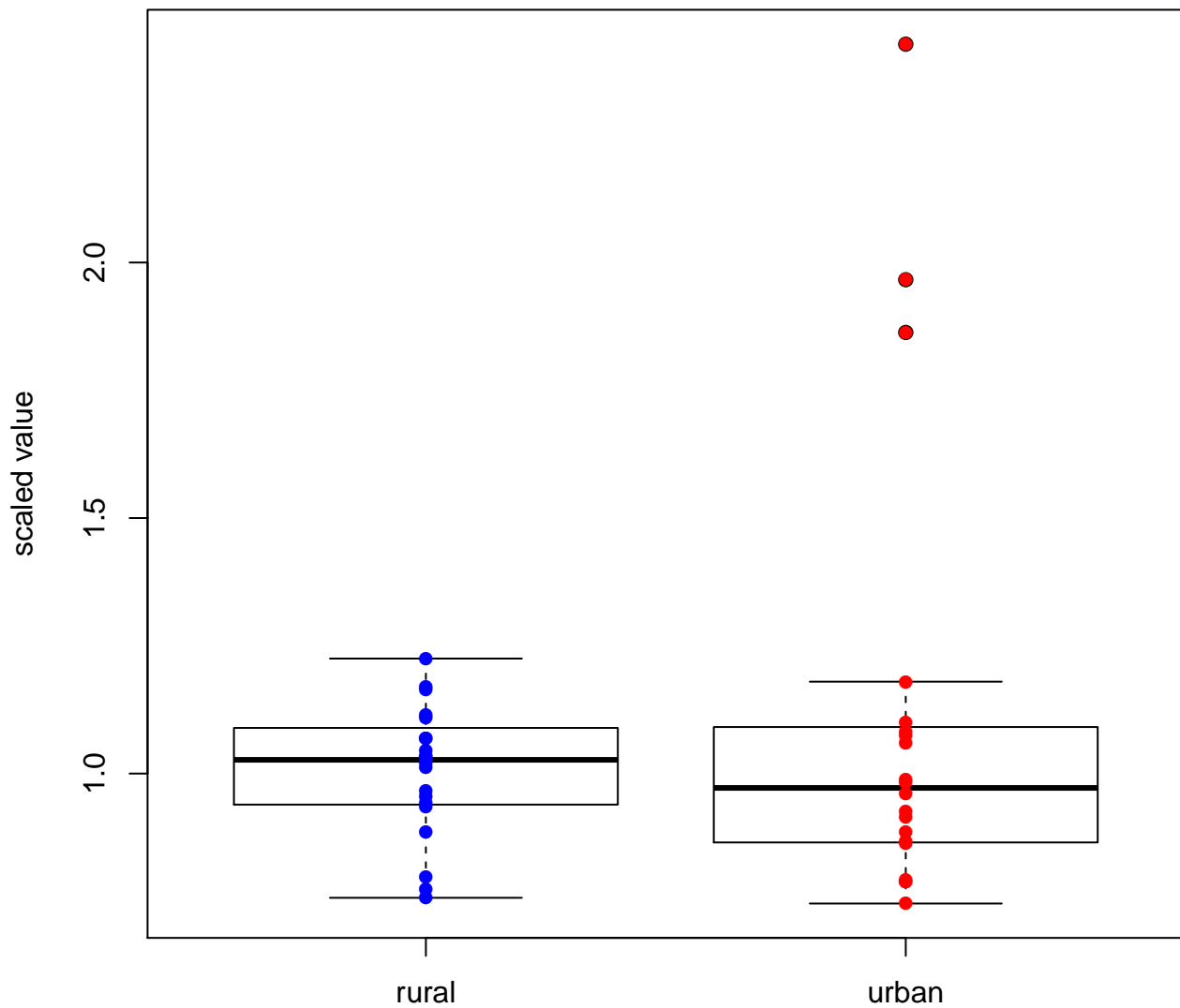
metabolite: 13-HODE + 9-HODE  
pAdjRuralUrban= 0.568



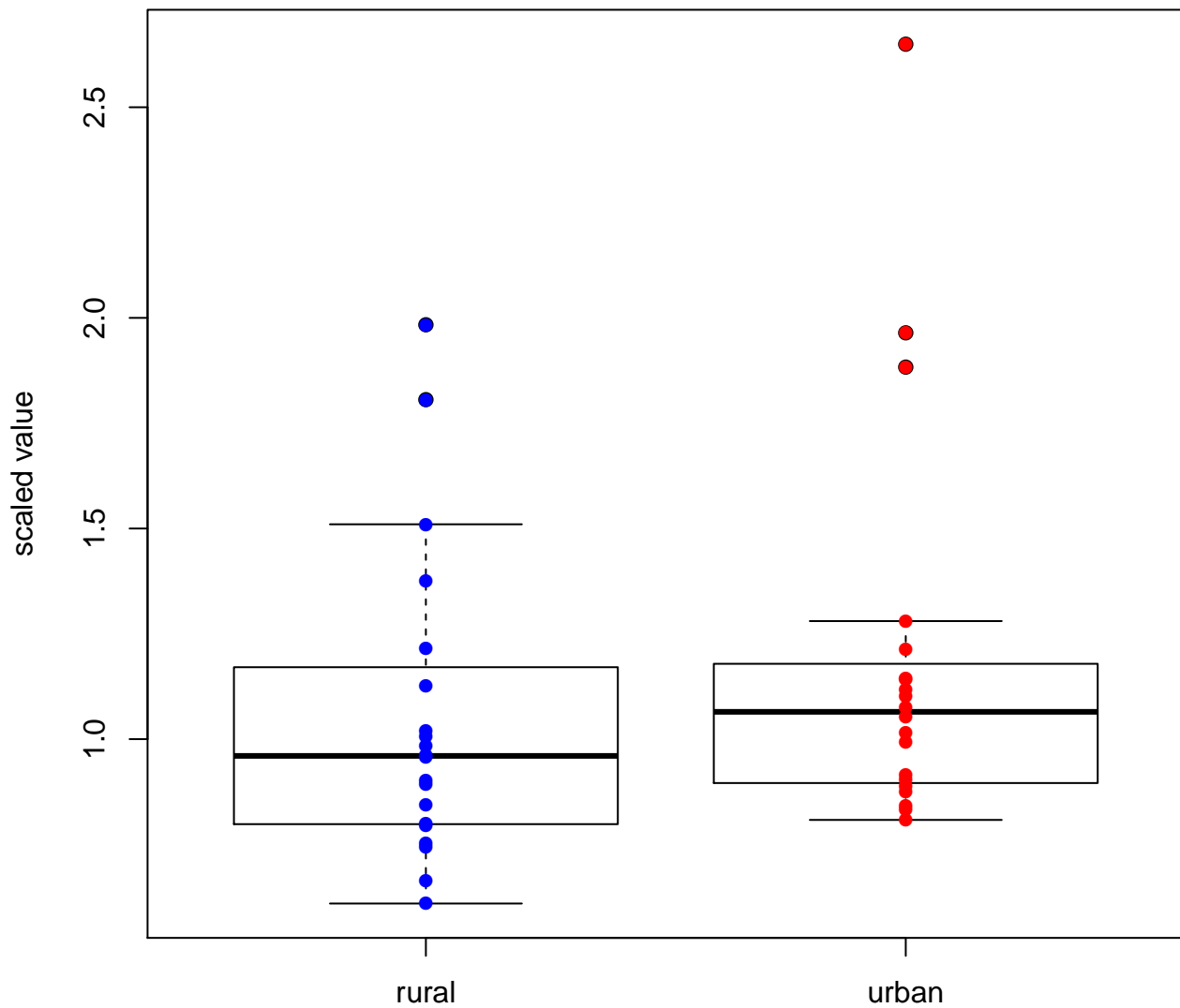
metabolite: glycochenodeoxycholate  
pAdjRuralUrban= 0.569



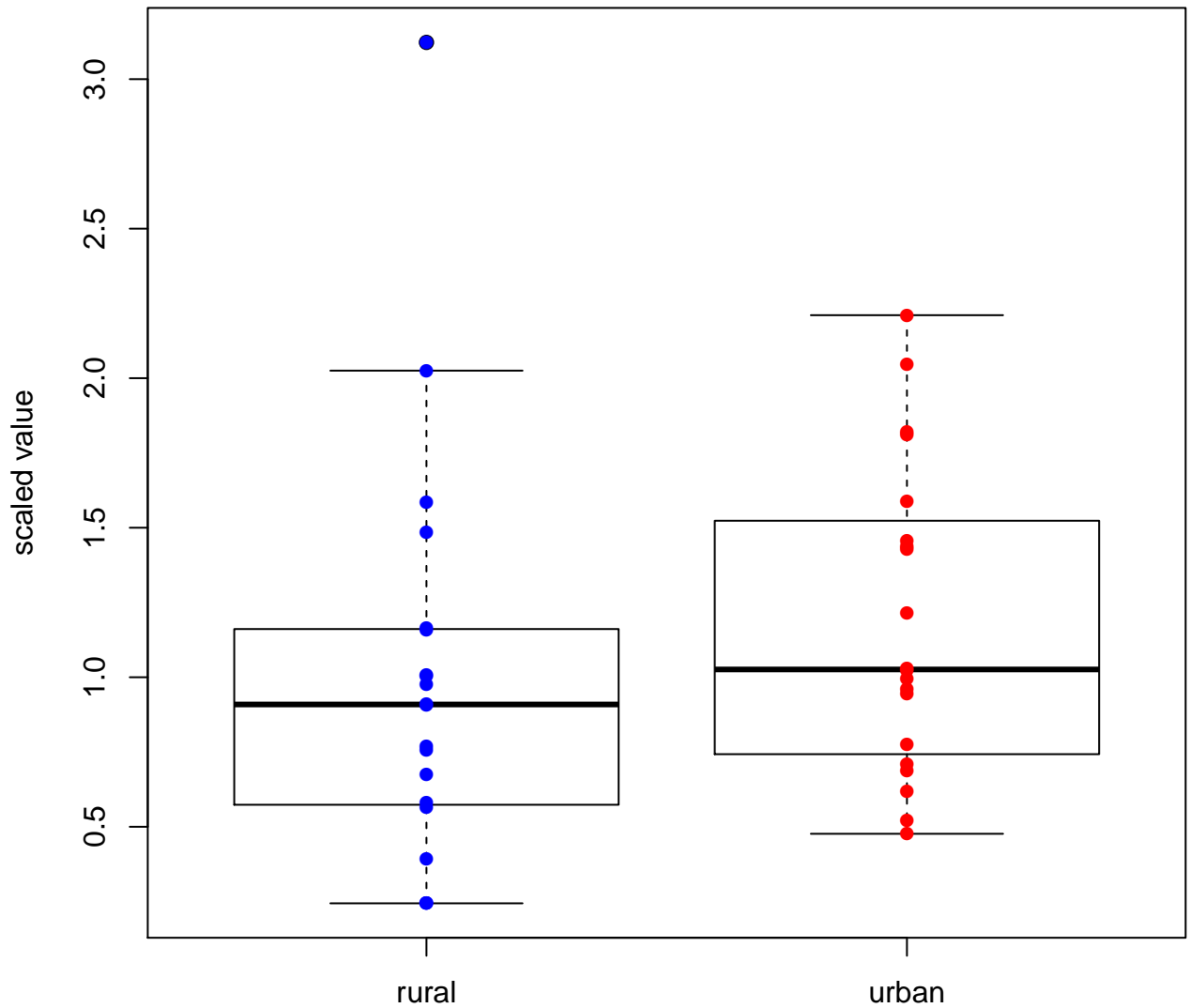
metabolite: fructose  
pAdjRuralUrban= 0.578



metabolite: gamma-glutamylisoleucine  
pAdjRuralUrban= 0.583

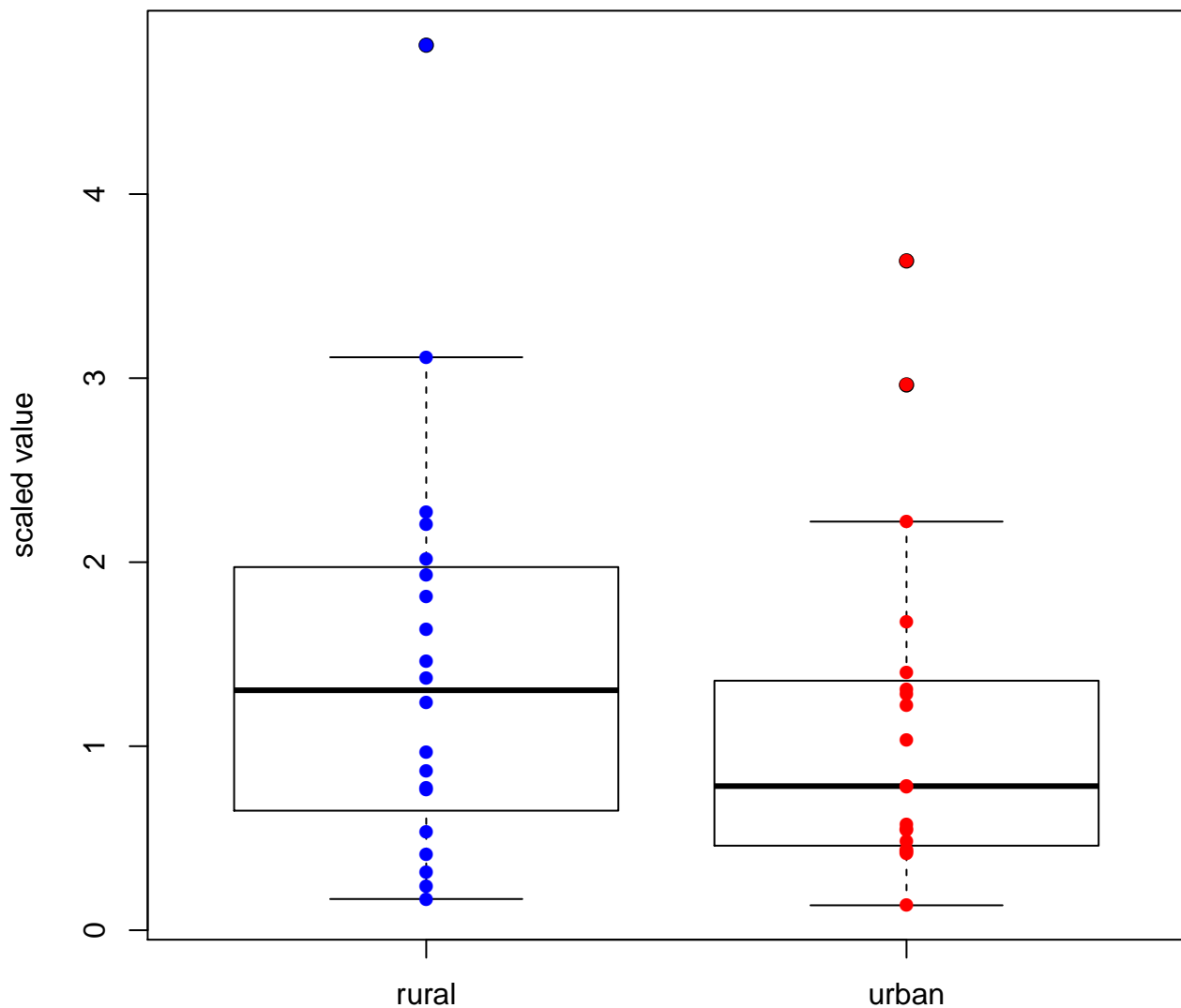


metabolite: gamma-CEHC  
pAdjRuralUrban= 0.589



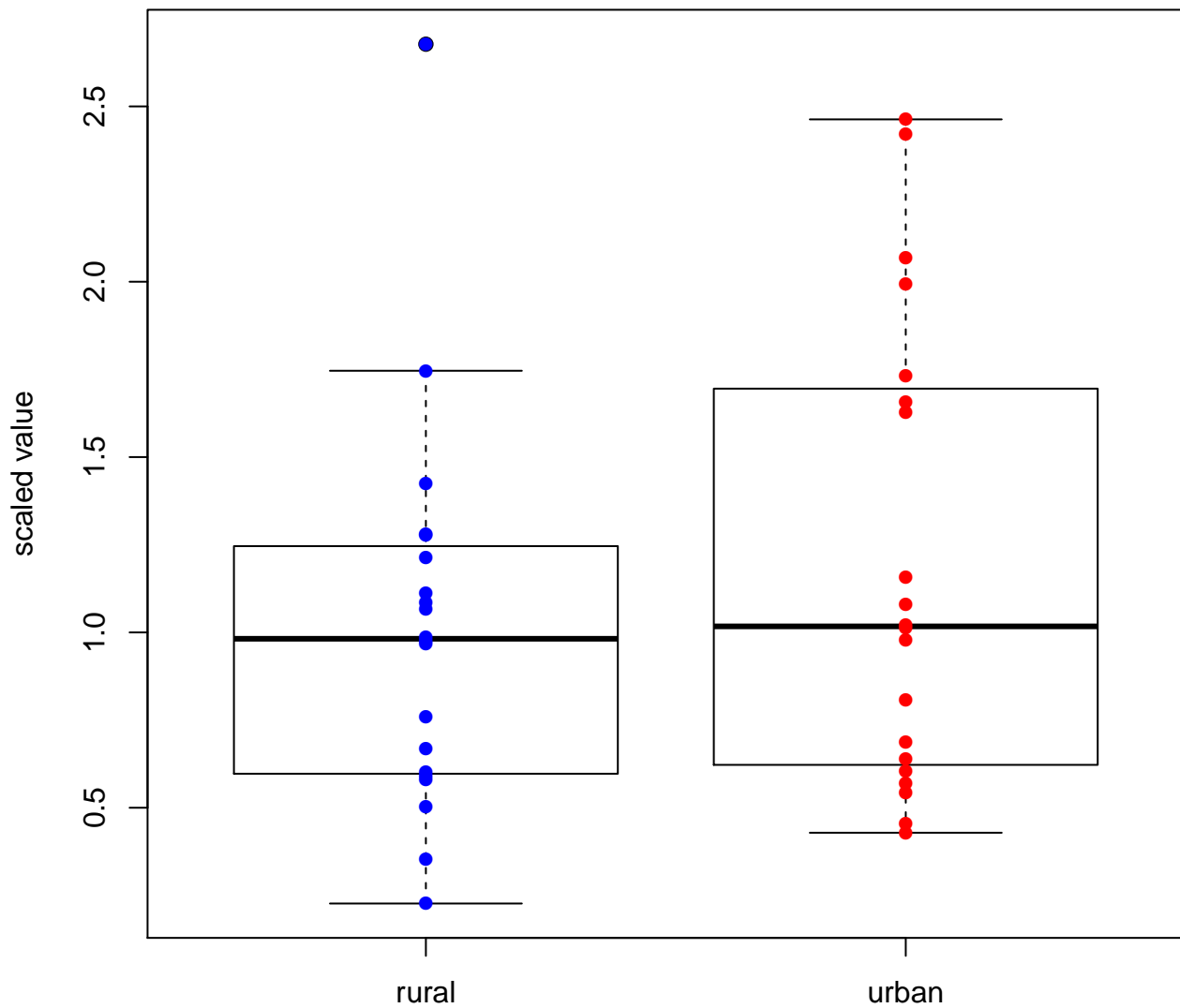


metabolite: 3-carboxy-4-methyl-5-propyl-2-furanpropanoate (CMPF)  
pAdjRuralUrban= 0.591

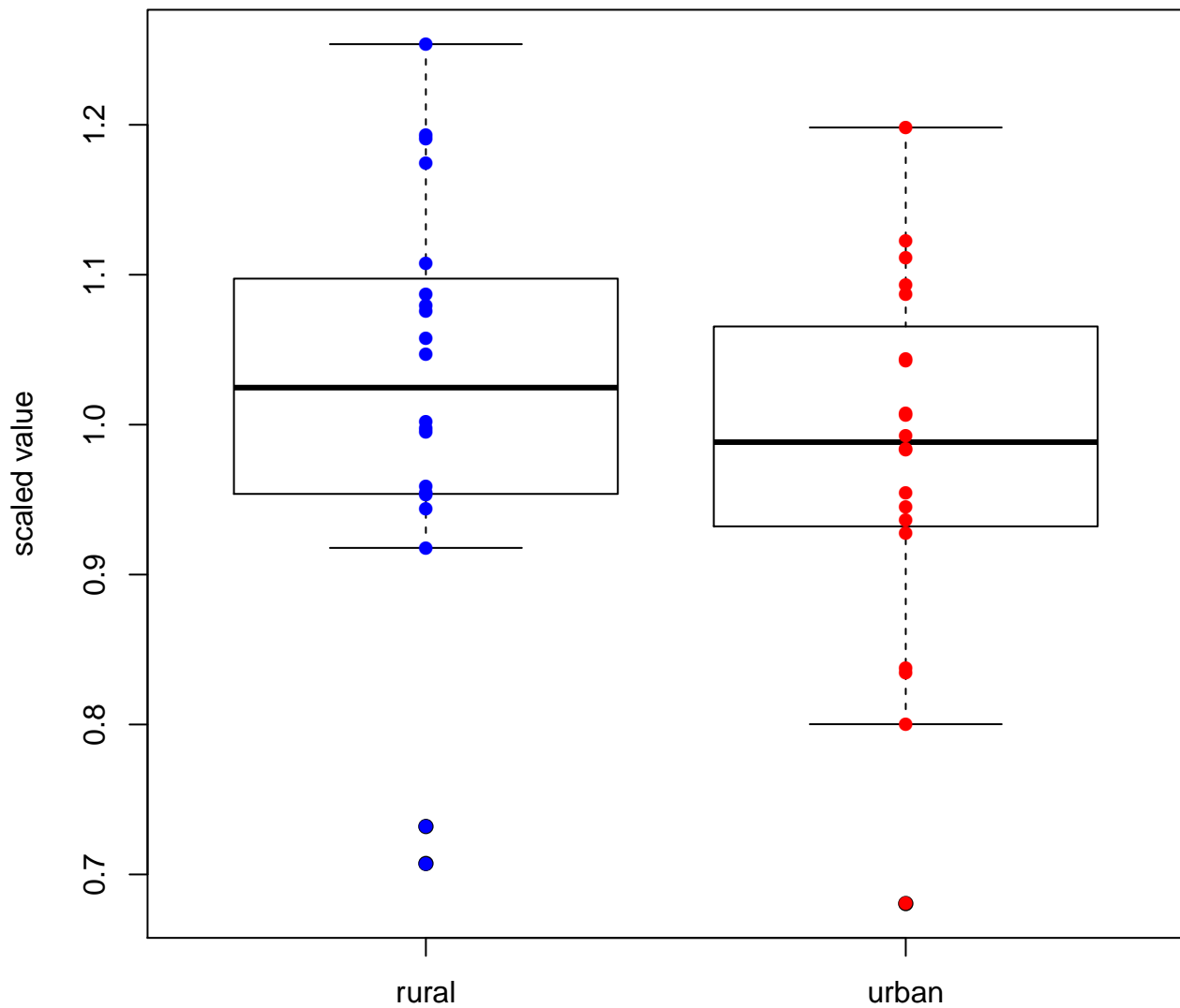


metabolite: 1-linoleoylglycerol (18:2)

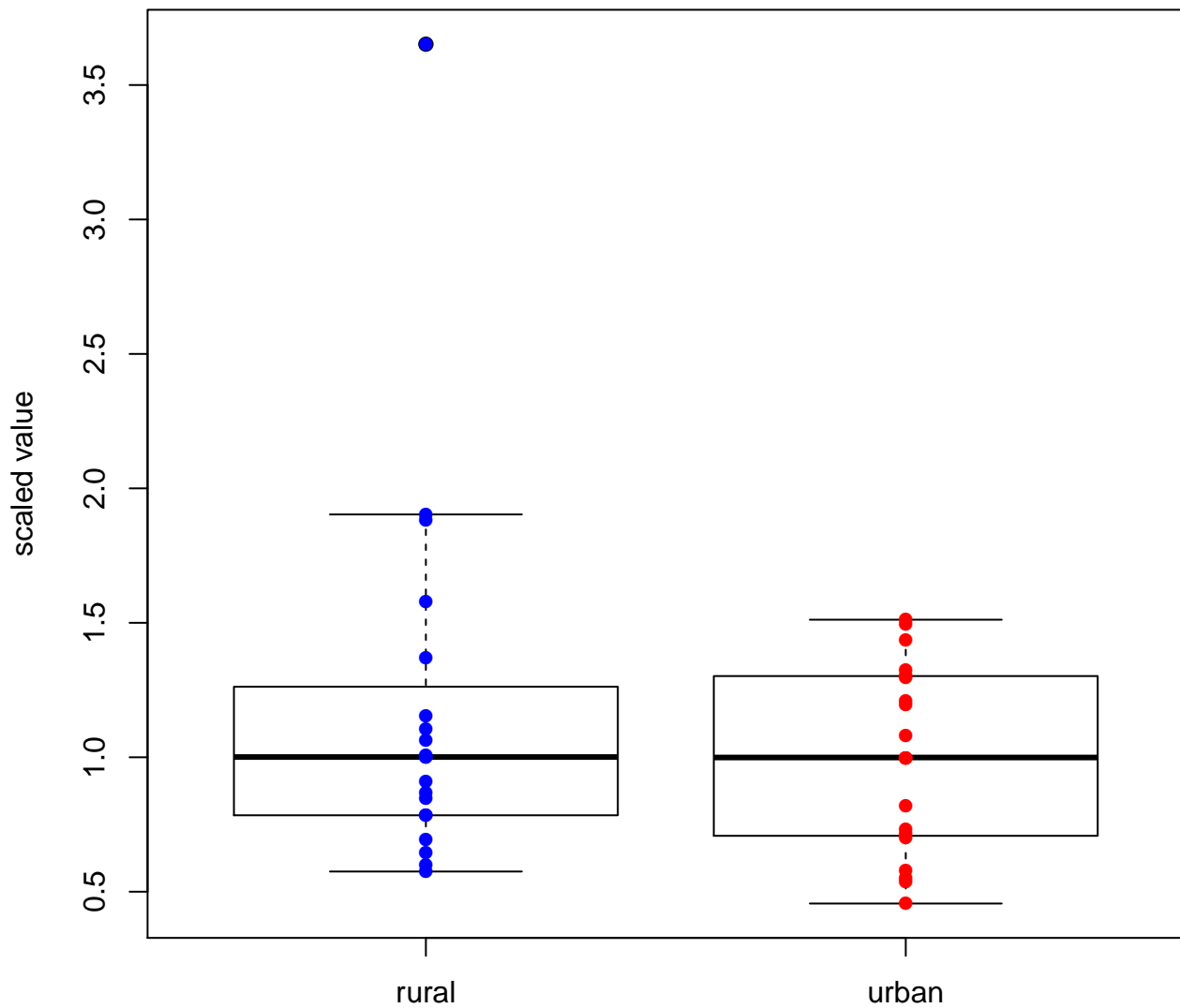
pAdjRuralUrban= 0.598



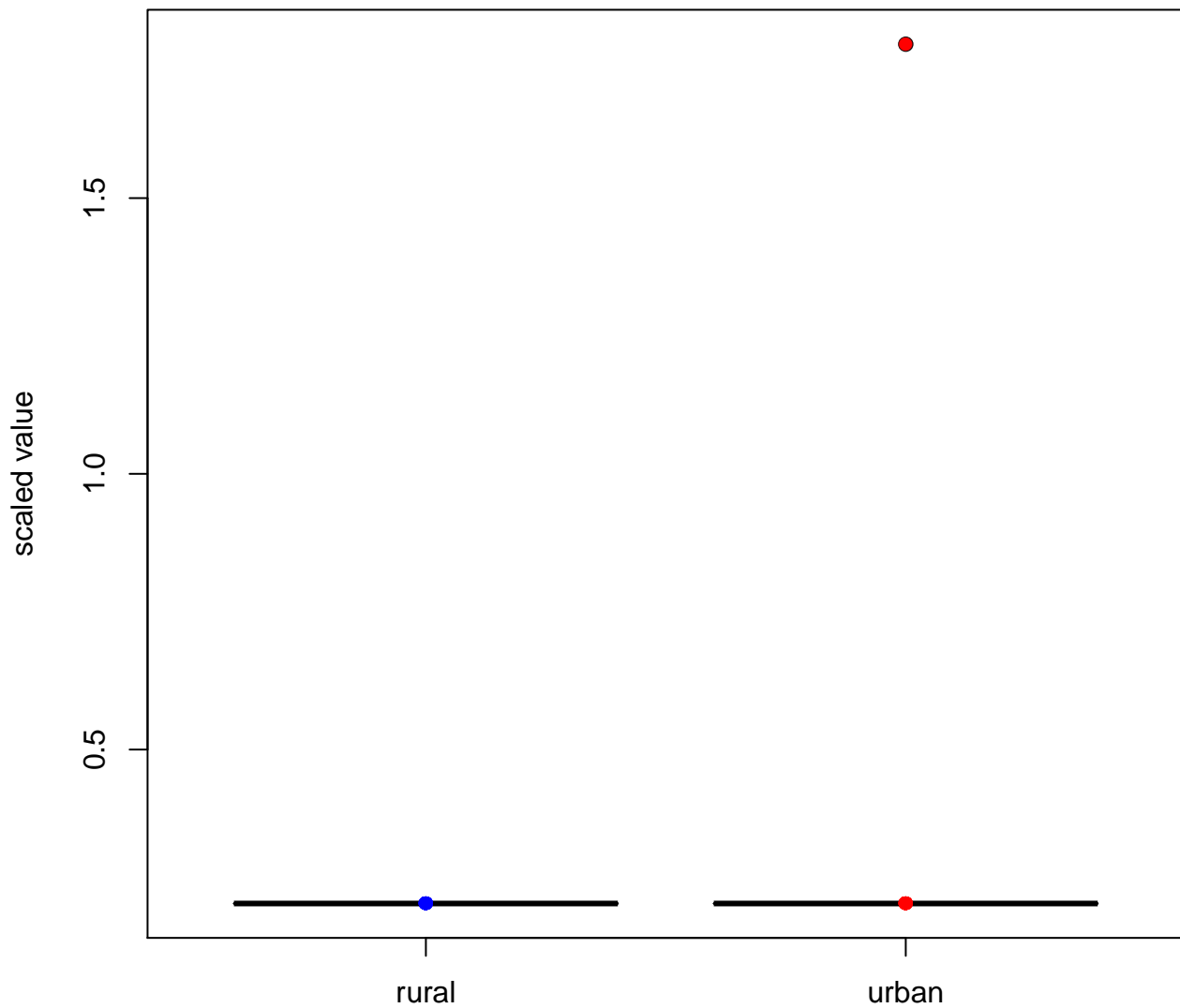
metabolite: histidine  
pAdjRuralUrban= 0.598



metabolite: N-acetylglycine  
pAdjRuralUrban= 0.598

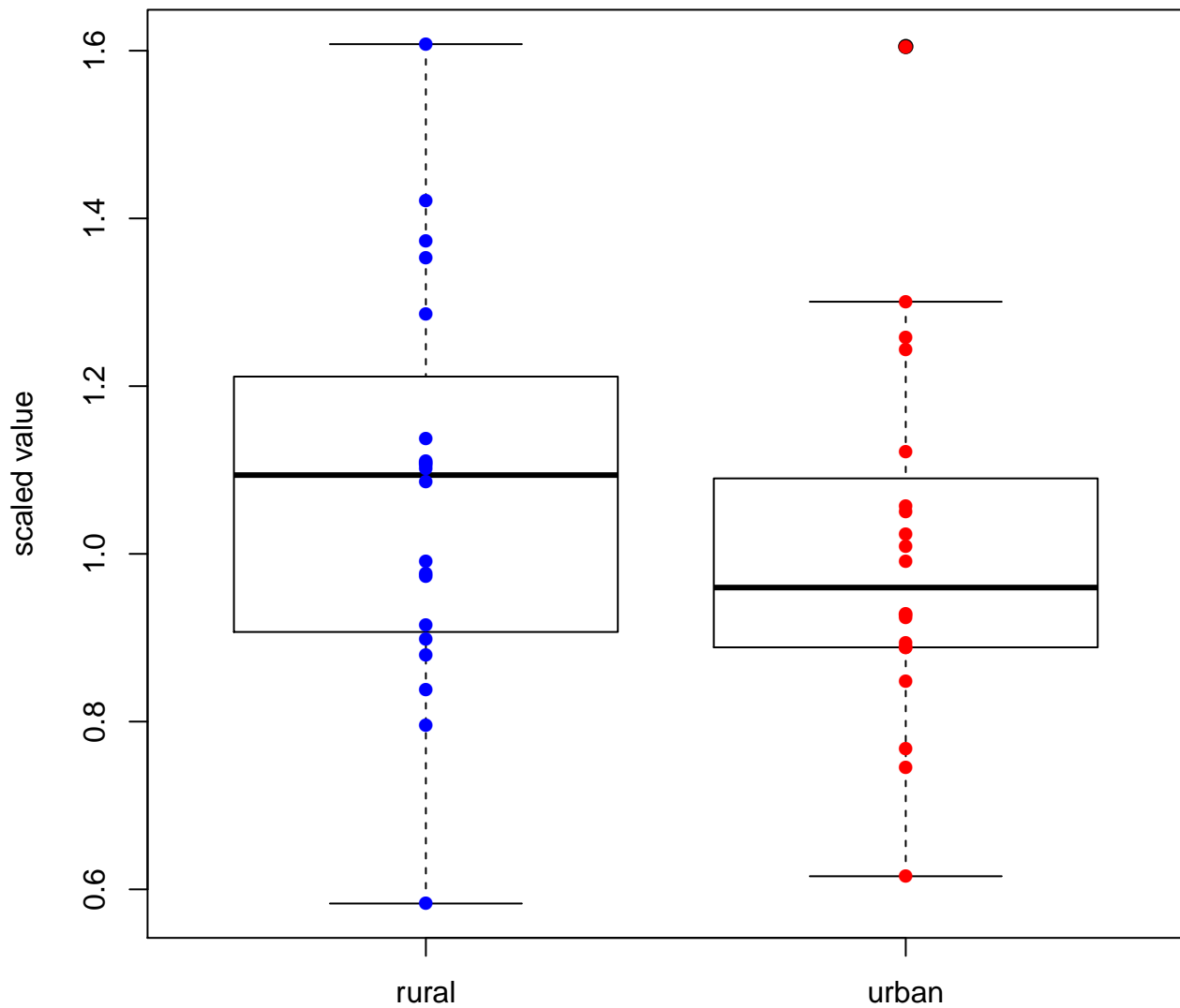


metabolite: thymol sulfate  
pAdjRuralUrban= 0.598

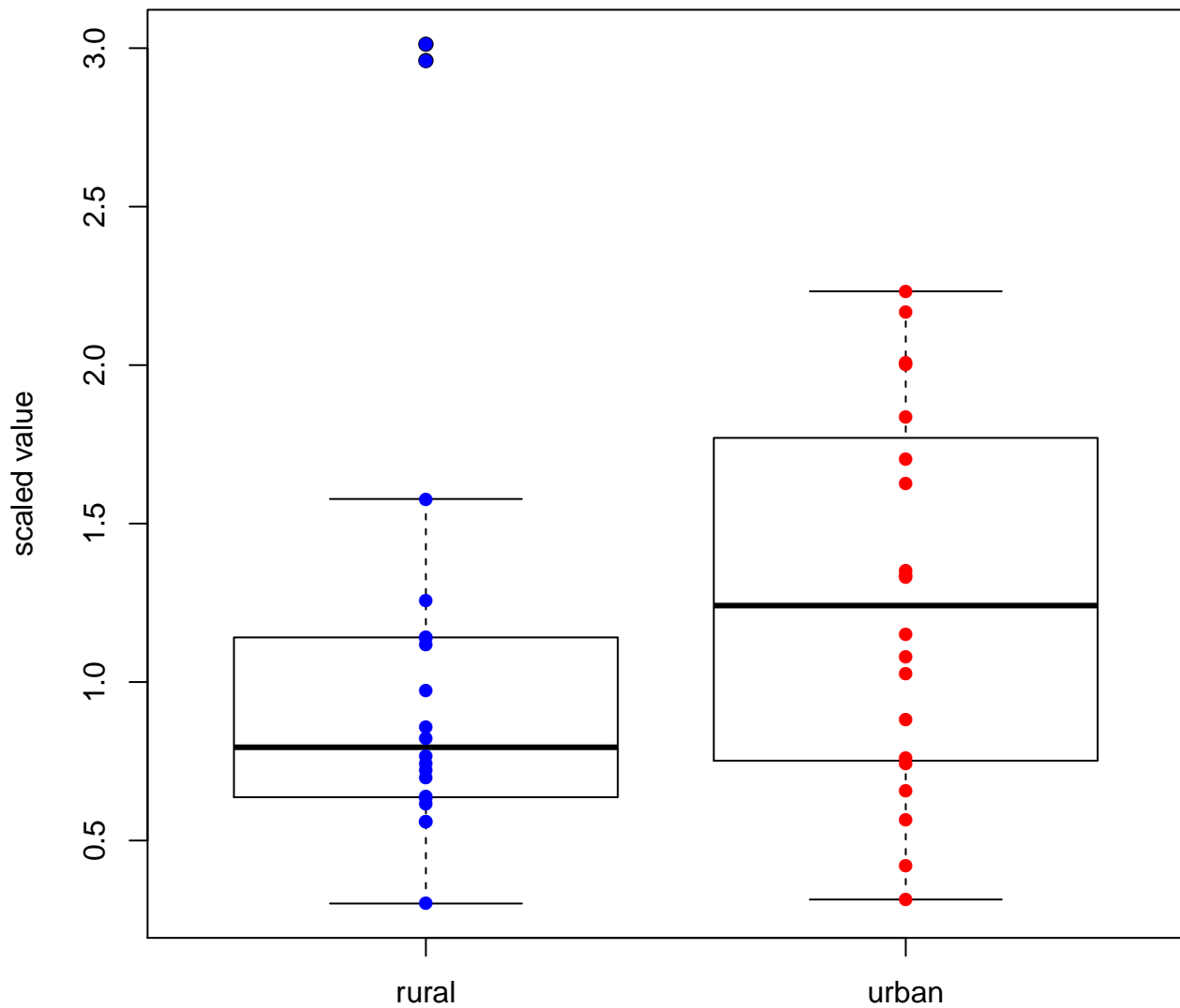


metabolite: laurate (12:0)

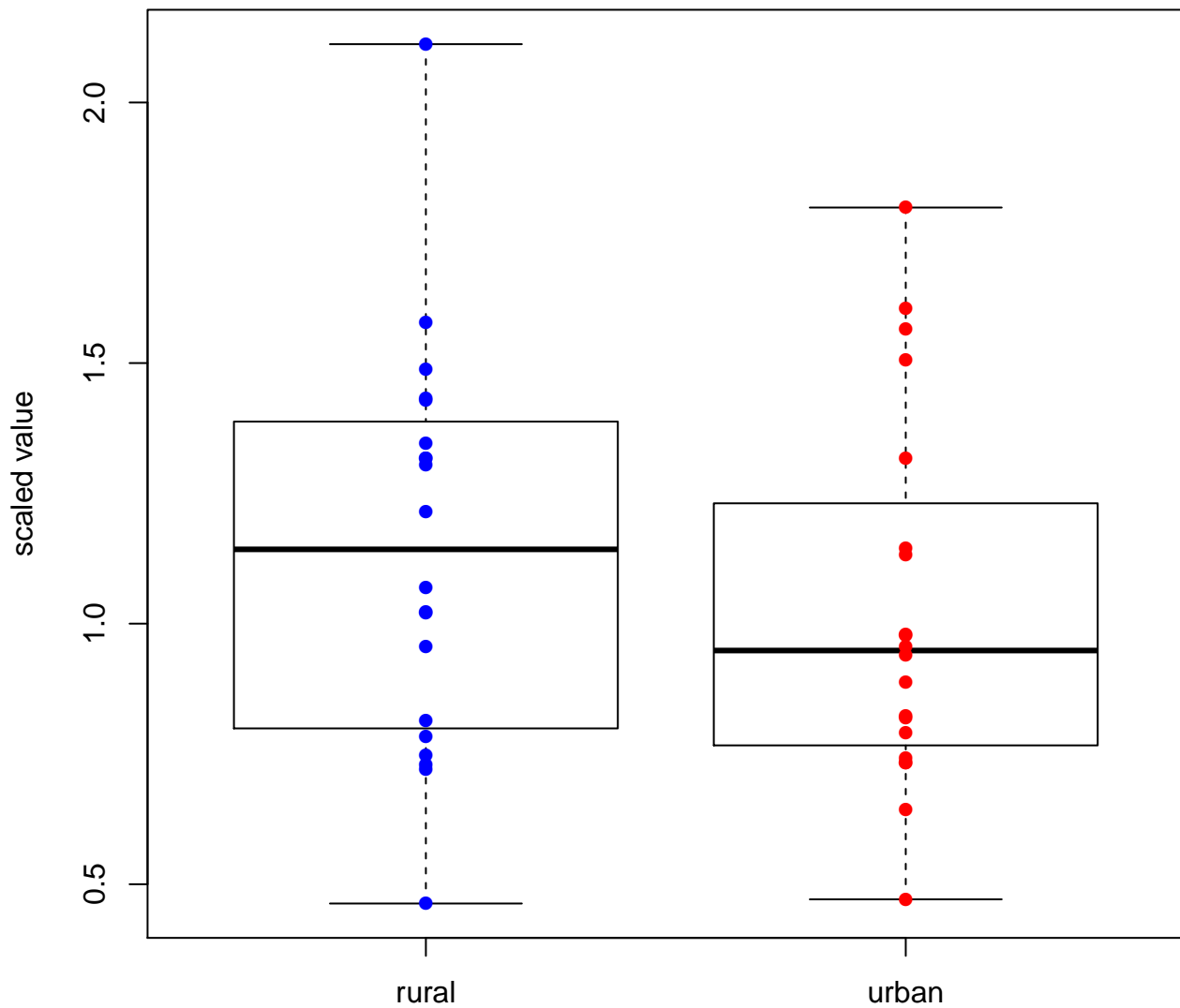
pAdjRuralUrban= 0.606



metabolite: DSGEGDFXAE~~G~~GV~~R~~  
pAdjRuralUrban= 0.607



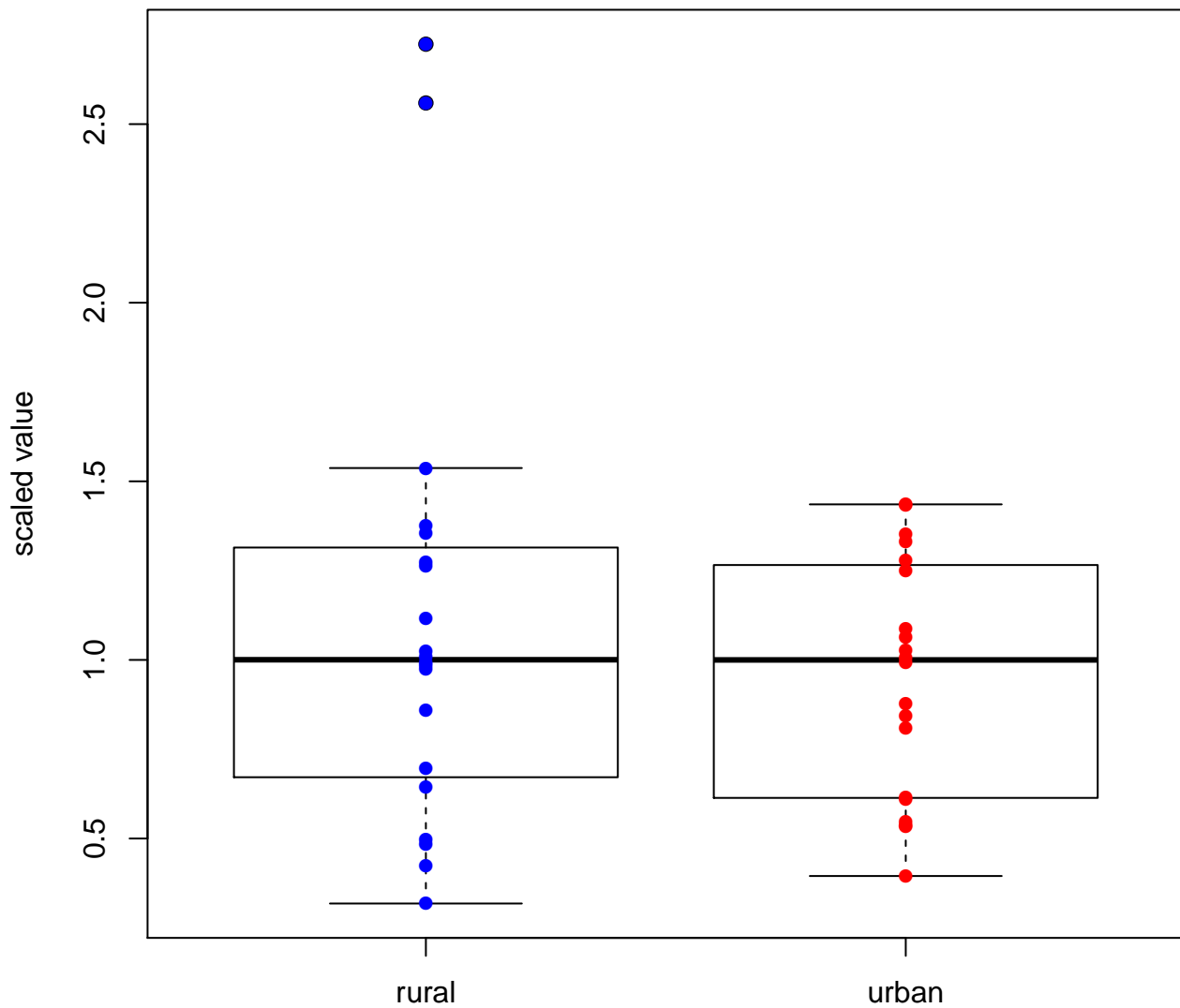
metabolite: palmitoylcarnitine  
pAdjRuralUrban= 0.607



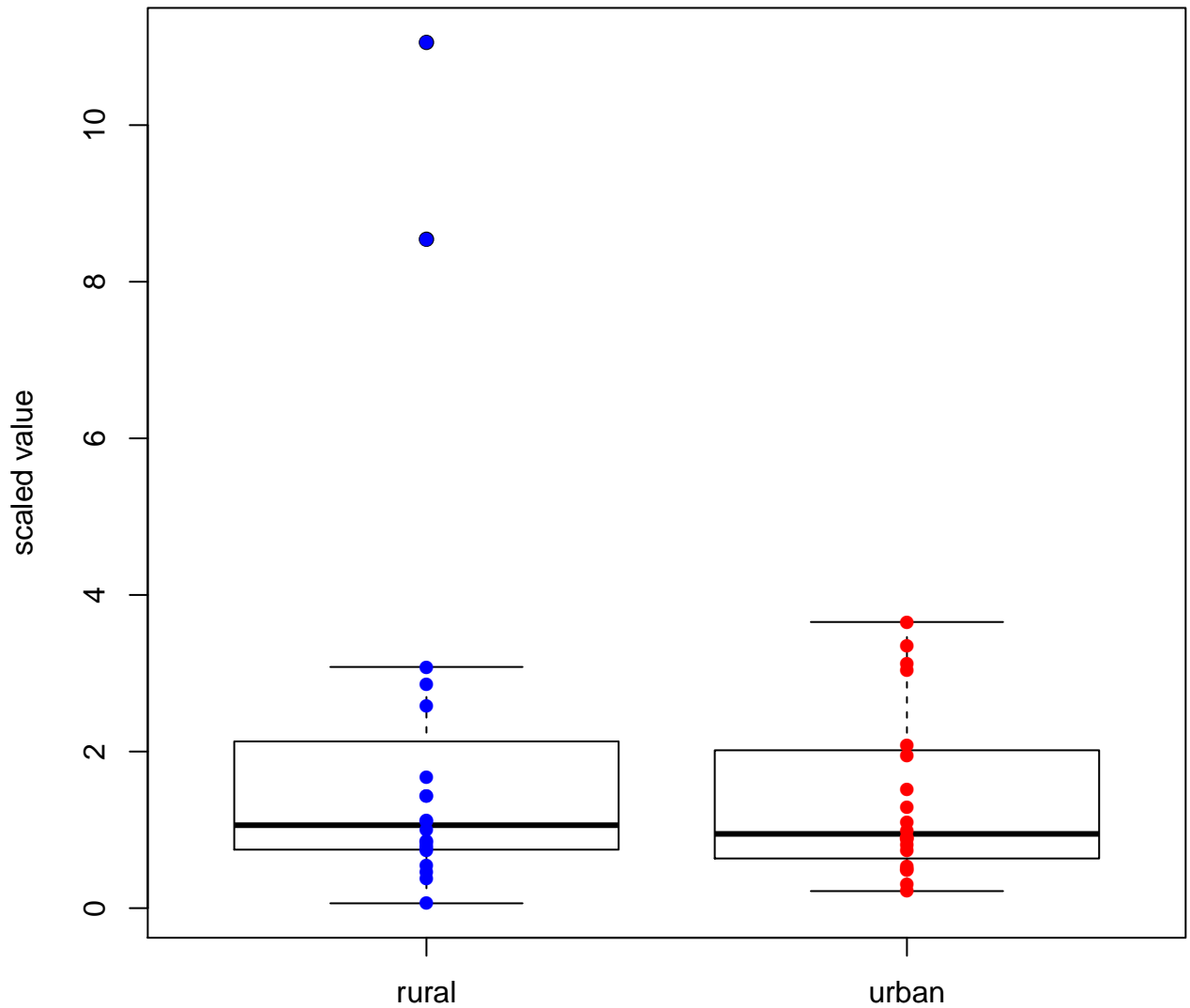


metabolite: 1-oleoyl-GPE (18:1)

pAdjRuralUrban= 0.608

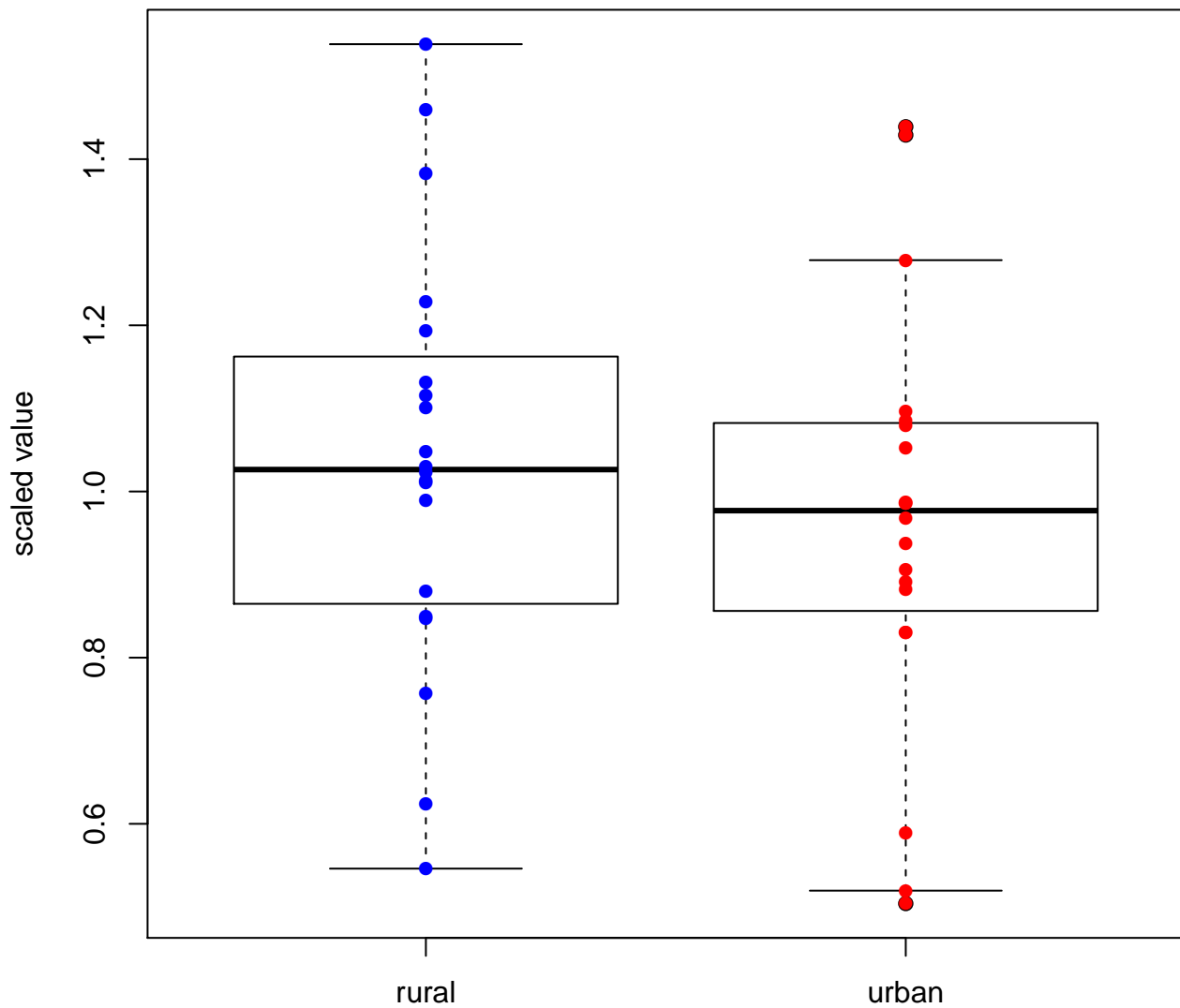


metabolite: 4-androsten-3beta,17beta-diol disulfate (1)  
pAdjRuralUrban= 0.608

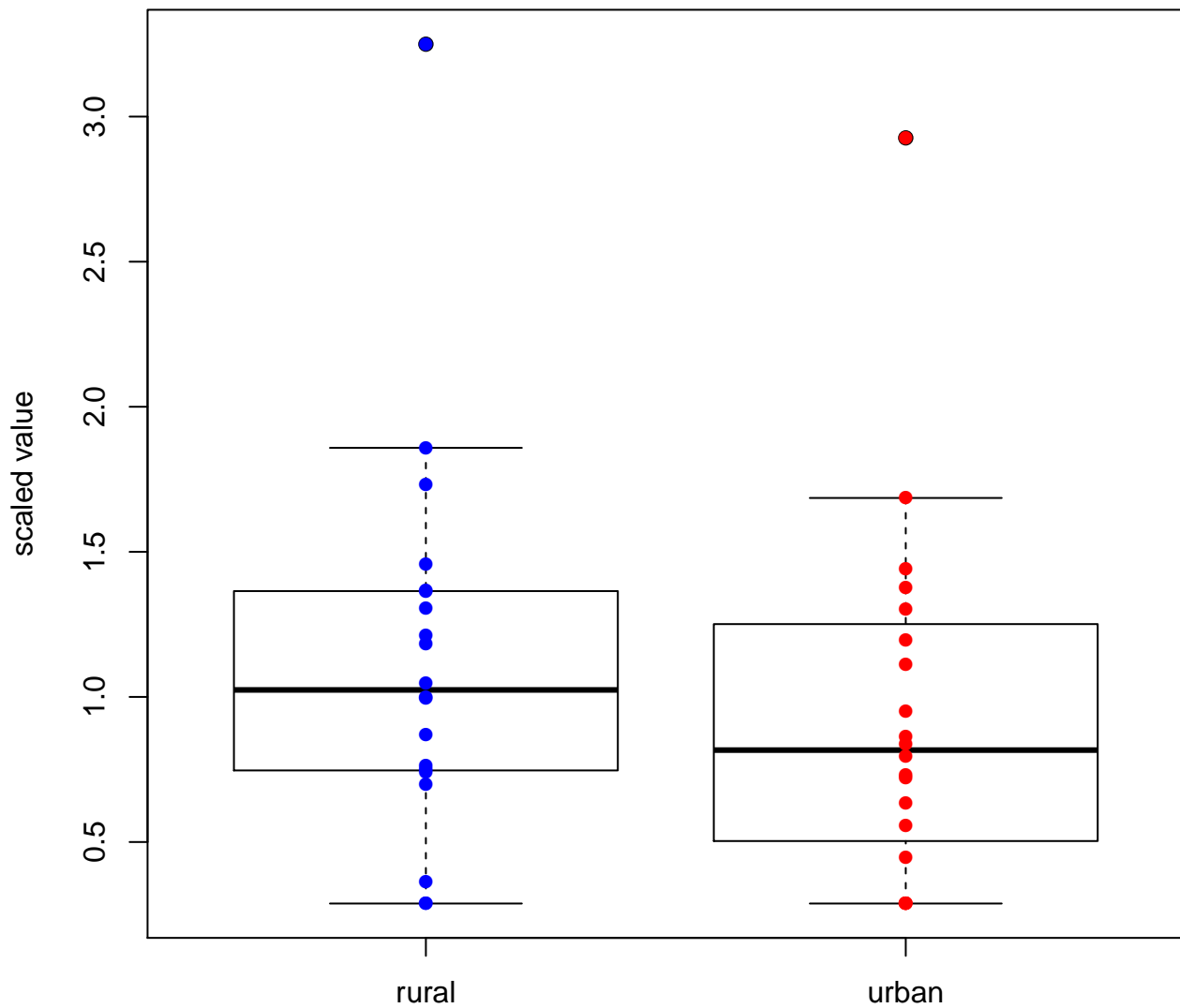


metabolite: 7-methylguanine

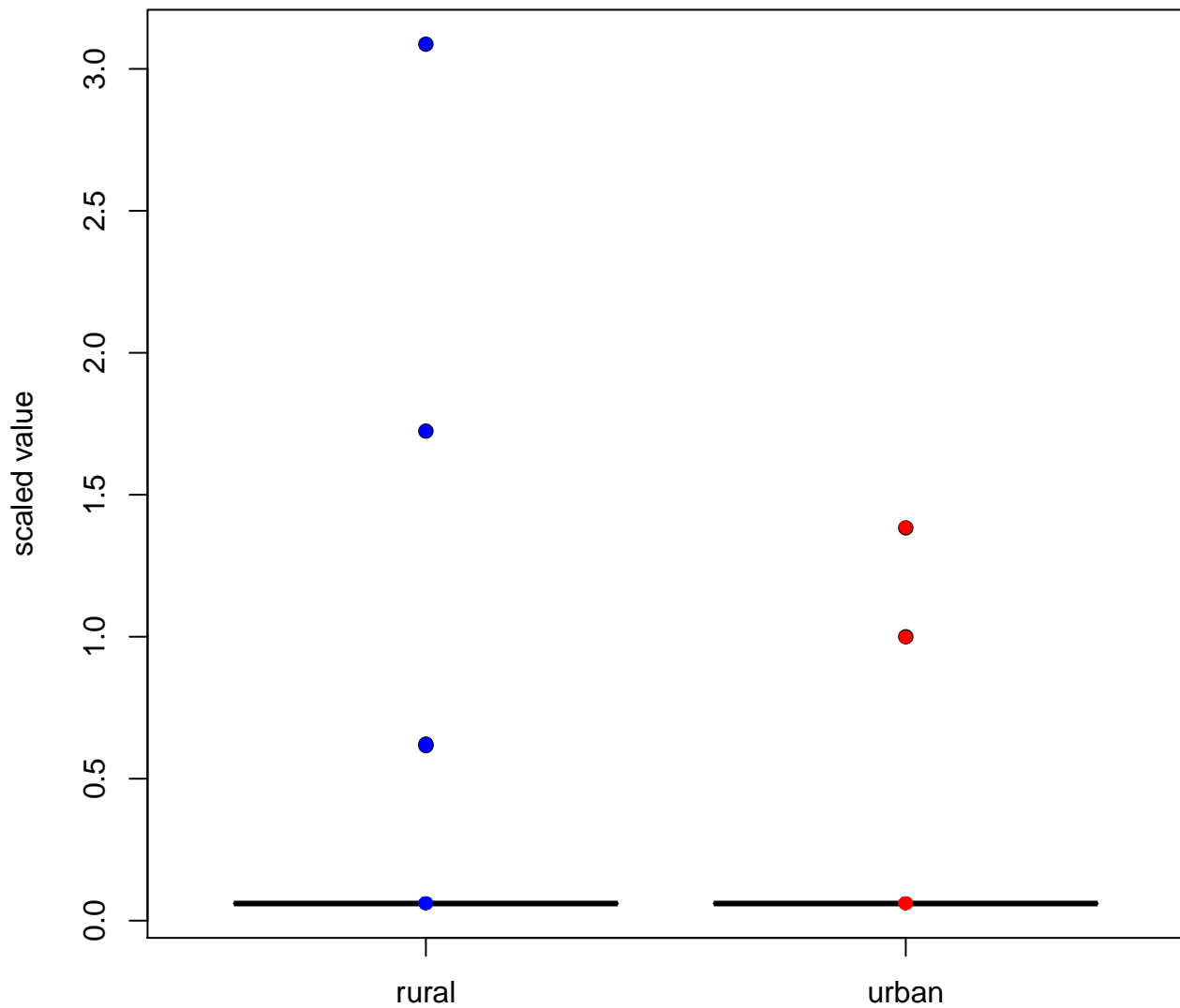
pAdjRuralUrban= 0.614



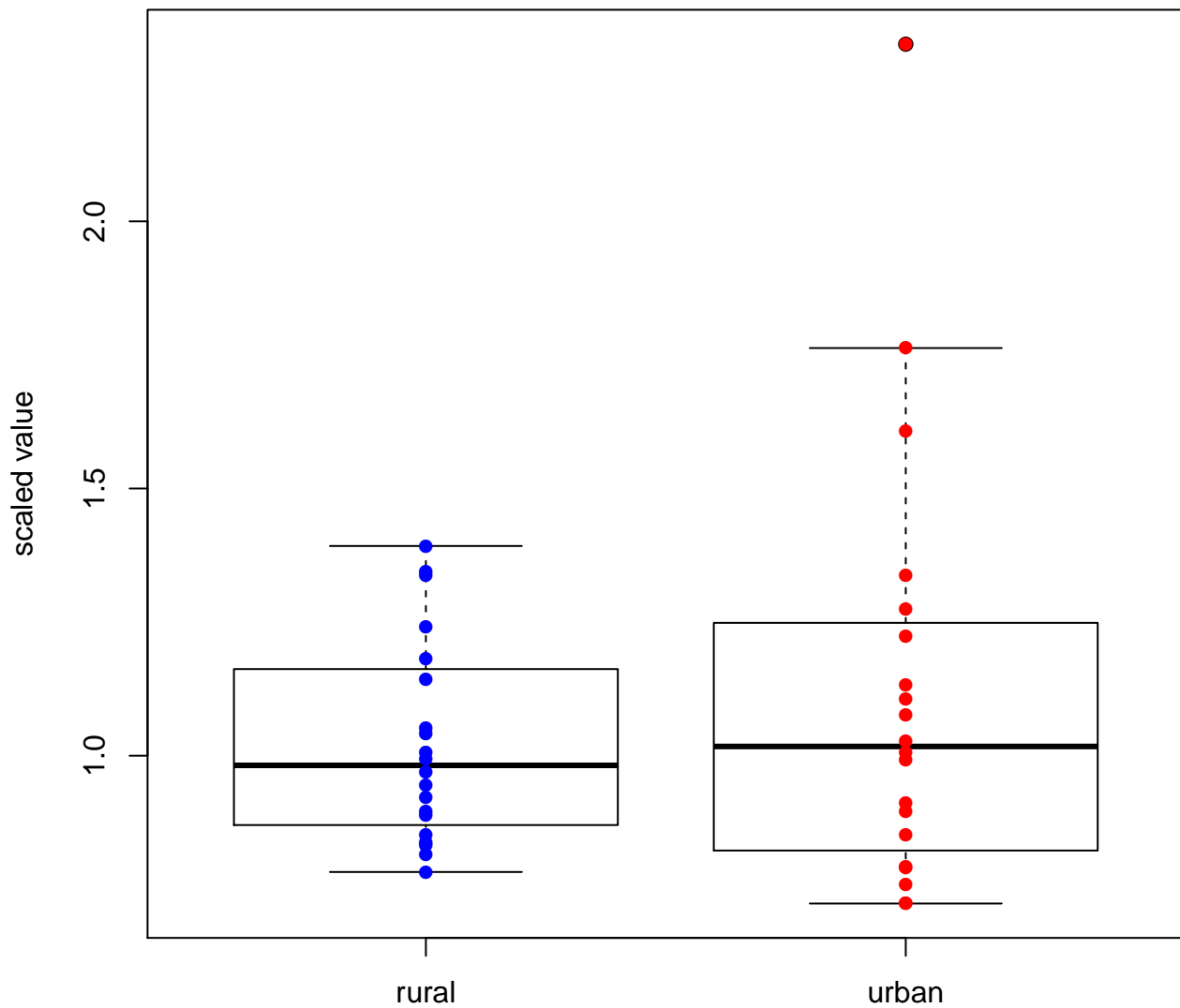
metabolite: beta-sitosterol  
pAdjRuralUrban= 0.614



metabolite: bradykinin  
pAdjRuralUrban= 0.614

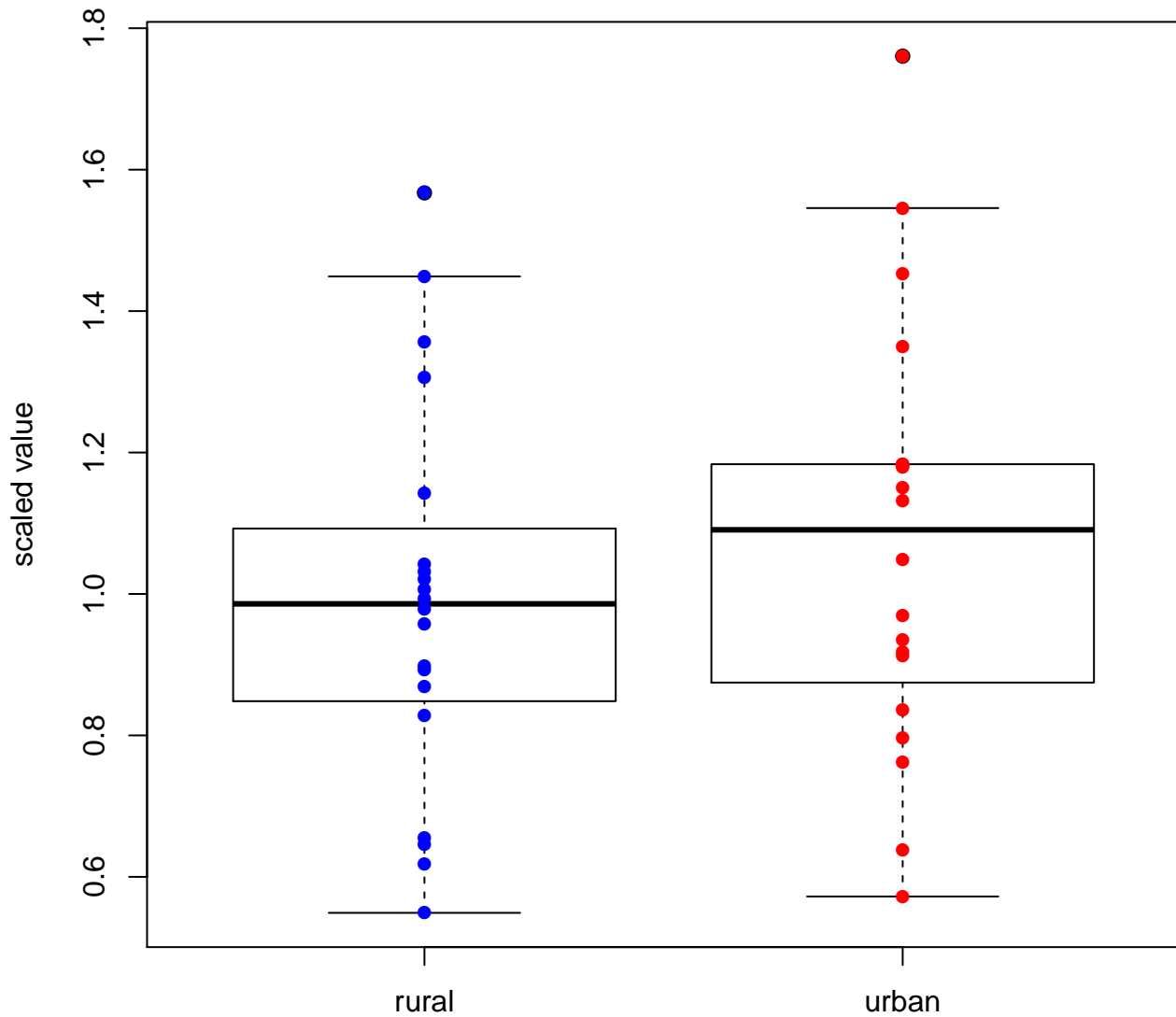


metabolite: caprylate (8:0)  
pAdjRuralUrban= 0.614

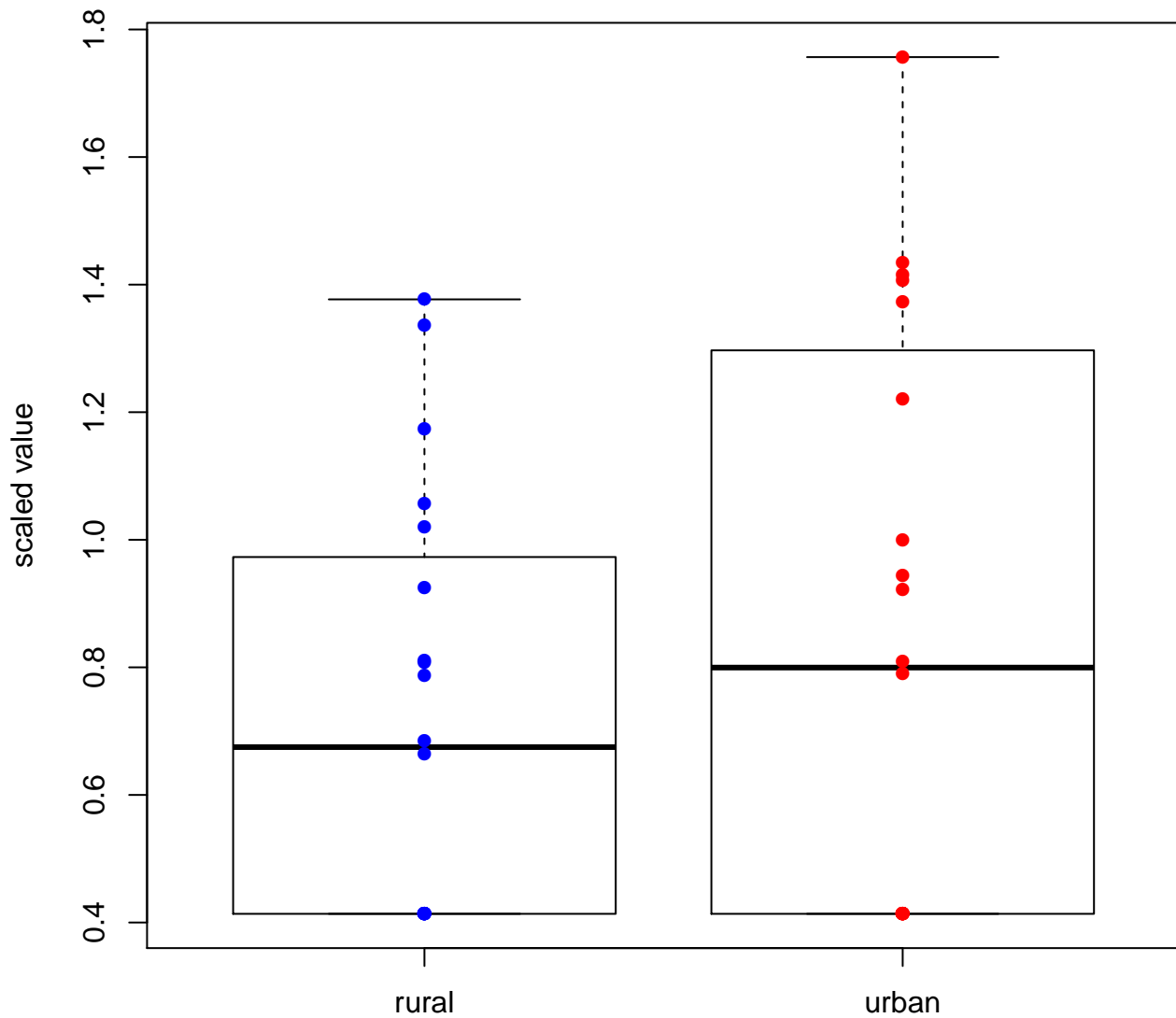


metabolite: dihomolimonate (20:3n3 or n6)

pAdjRuralUrban= 0.614

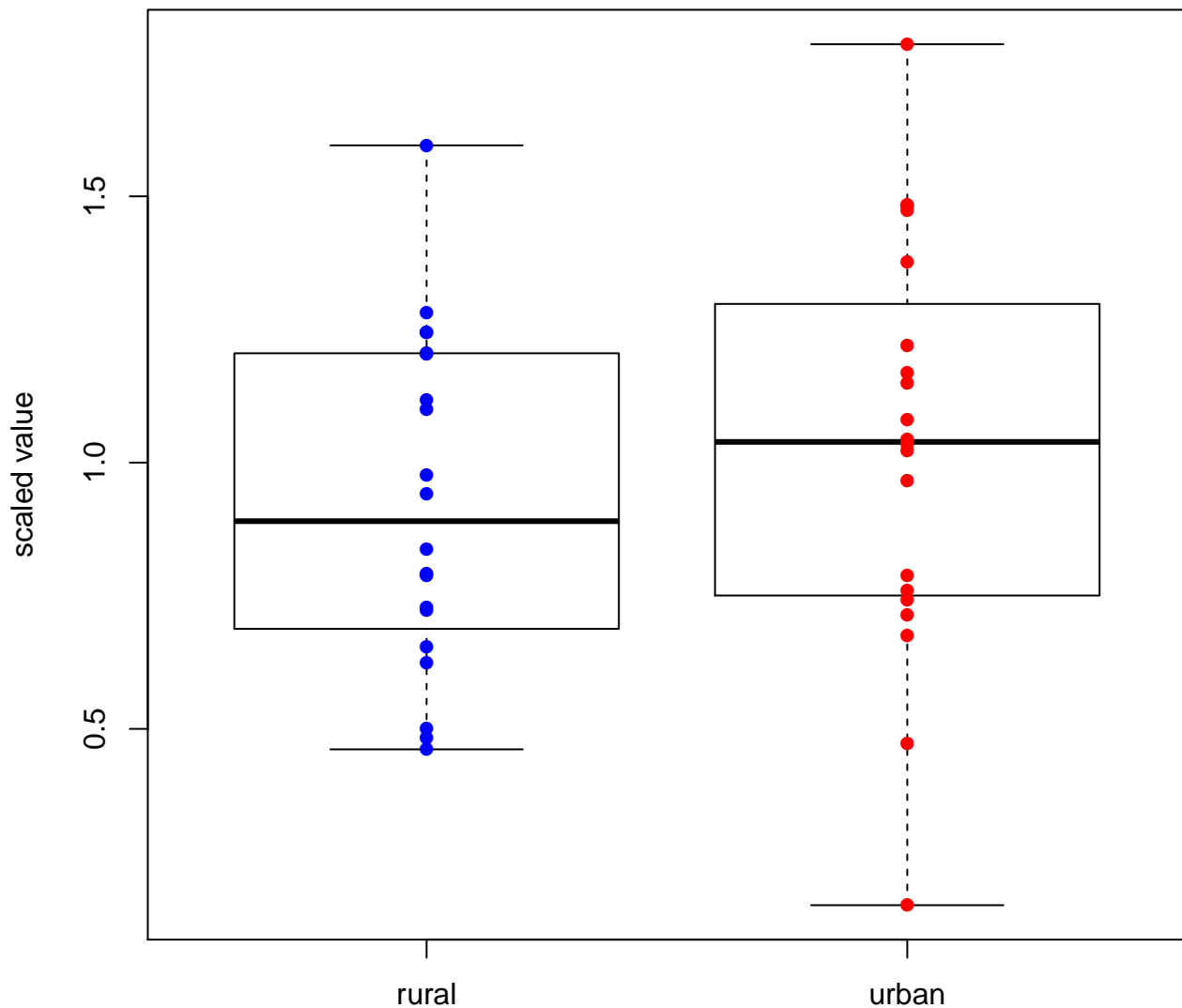


metabolite: gamma-glutamyltryptophan  
pAdjRuralUrban= 0.614

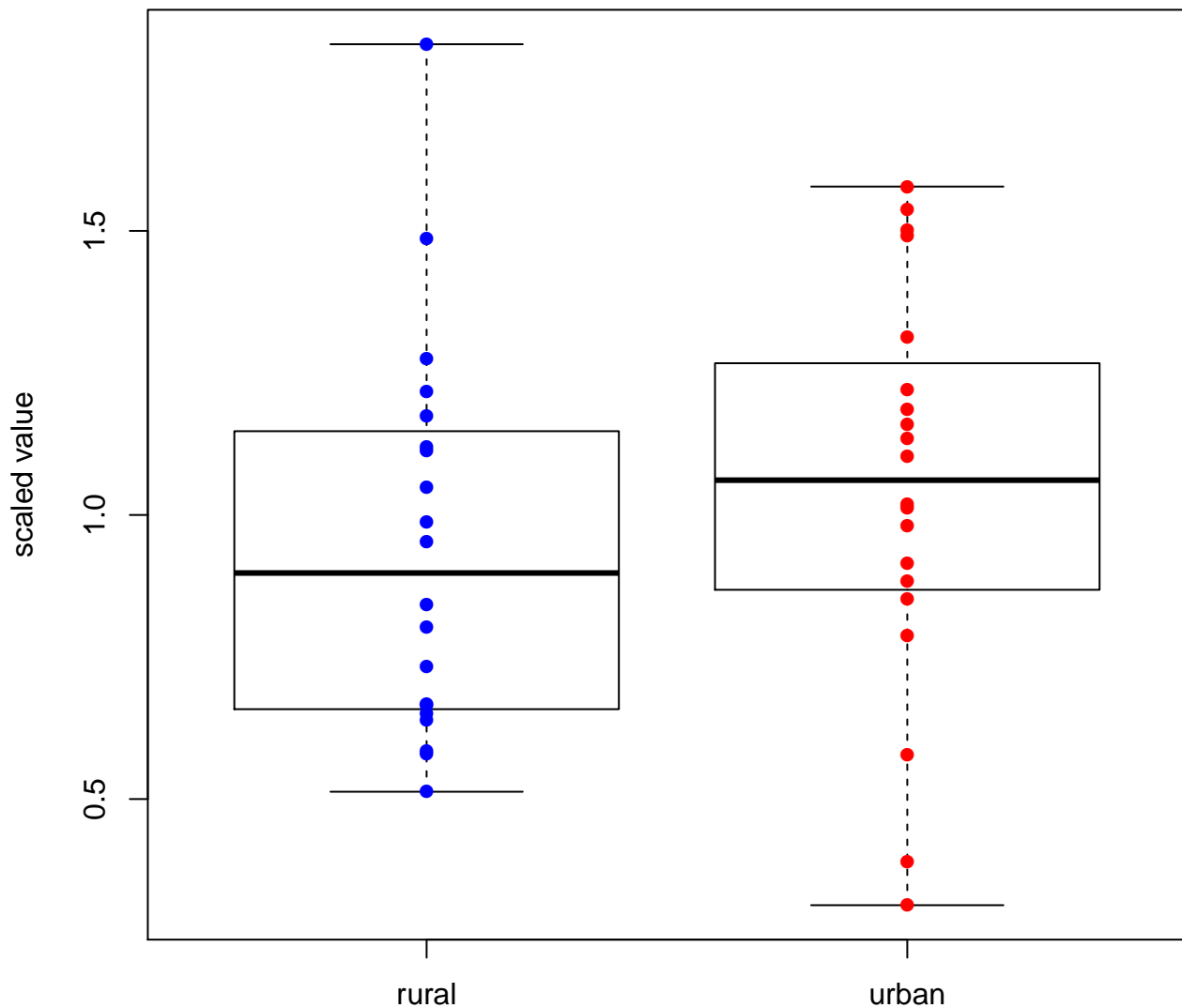




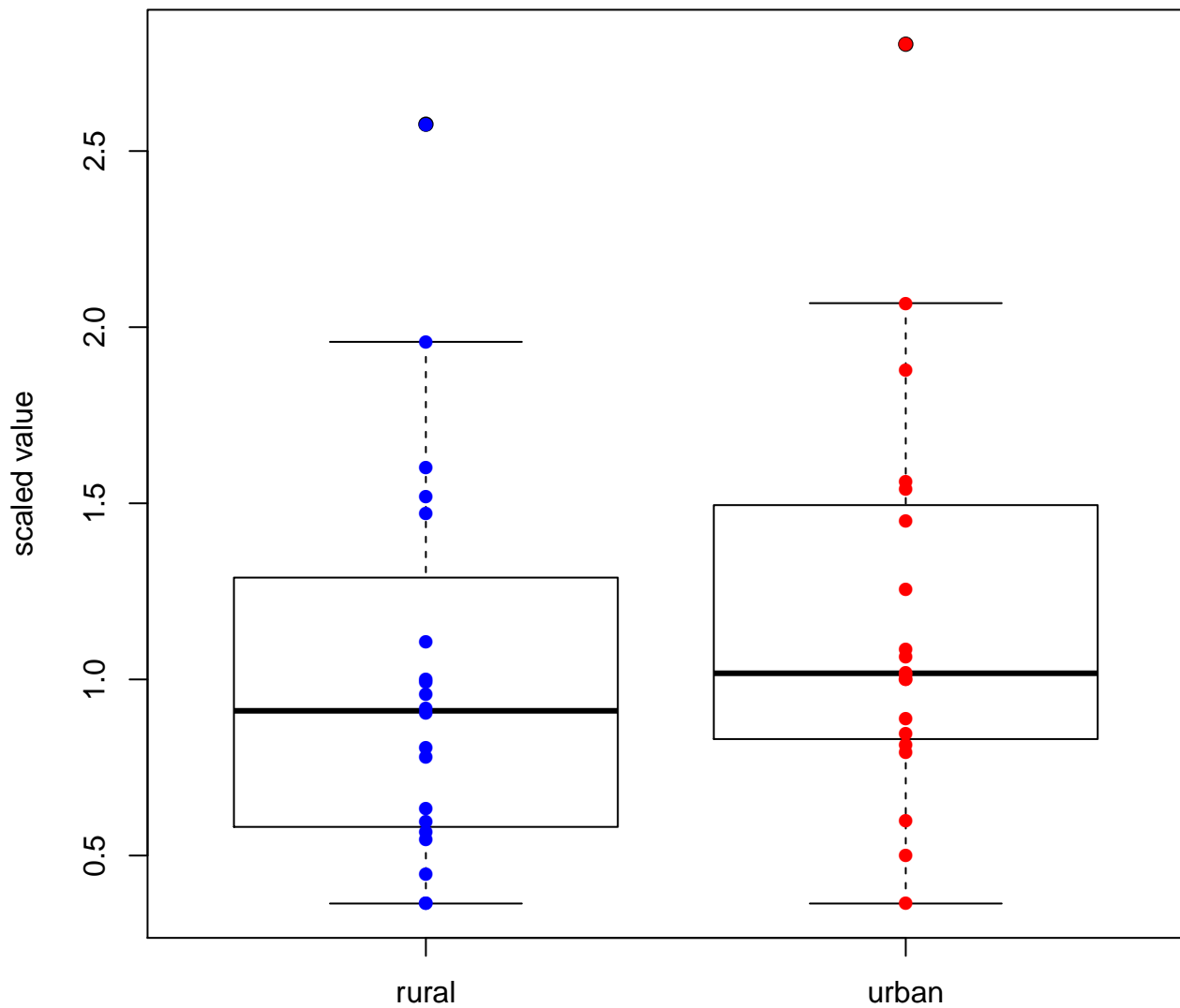
metabolite: isovalerylcarnitine  
pAdjRuralUrban= 0.614



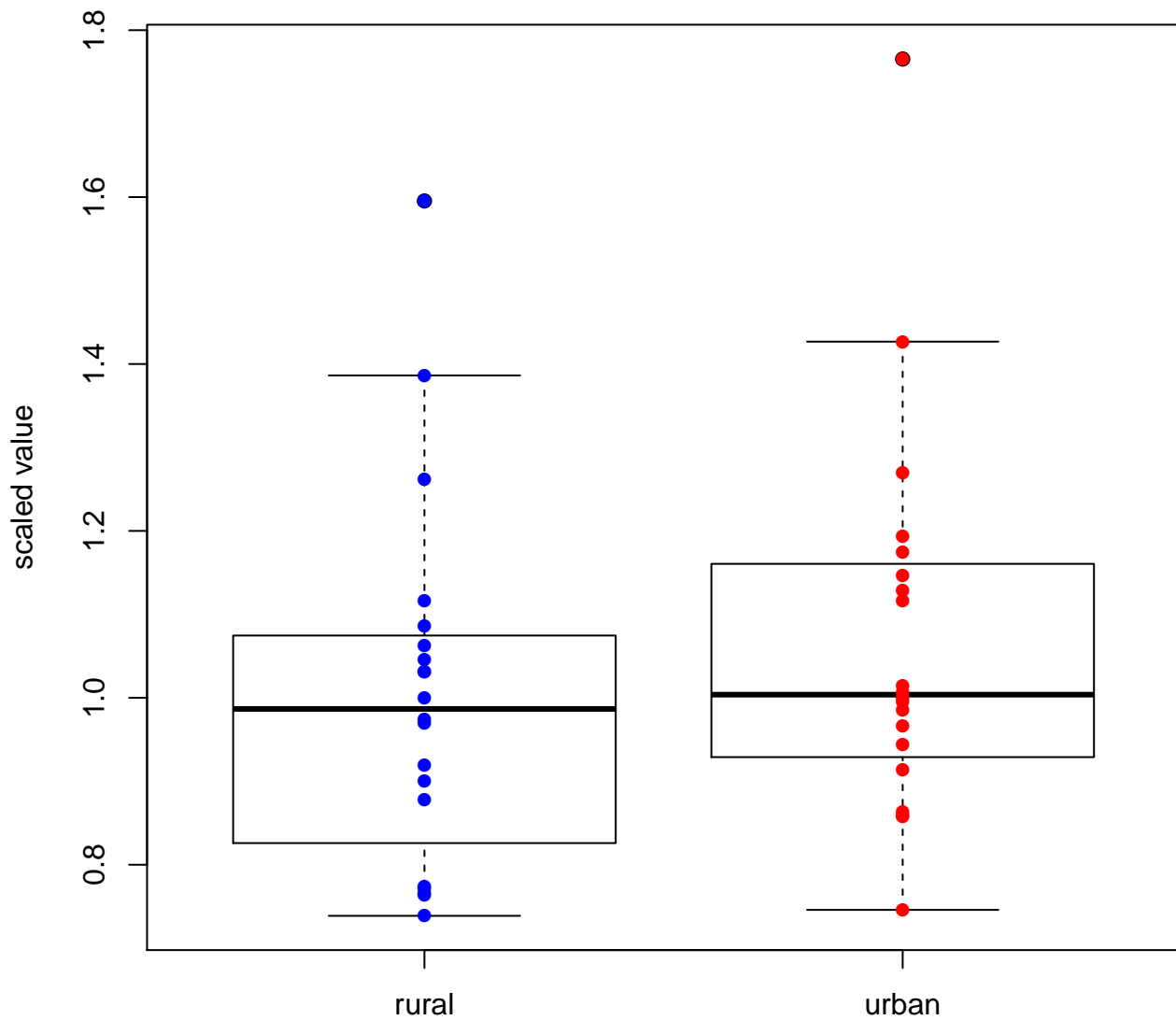
metabolite: N-delta-acetylornithine  
pAdjRuralUrban= 0.614



metabolite: nicotinamide  
pAdjRuralUrban= 0.614

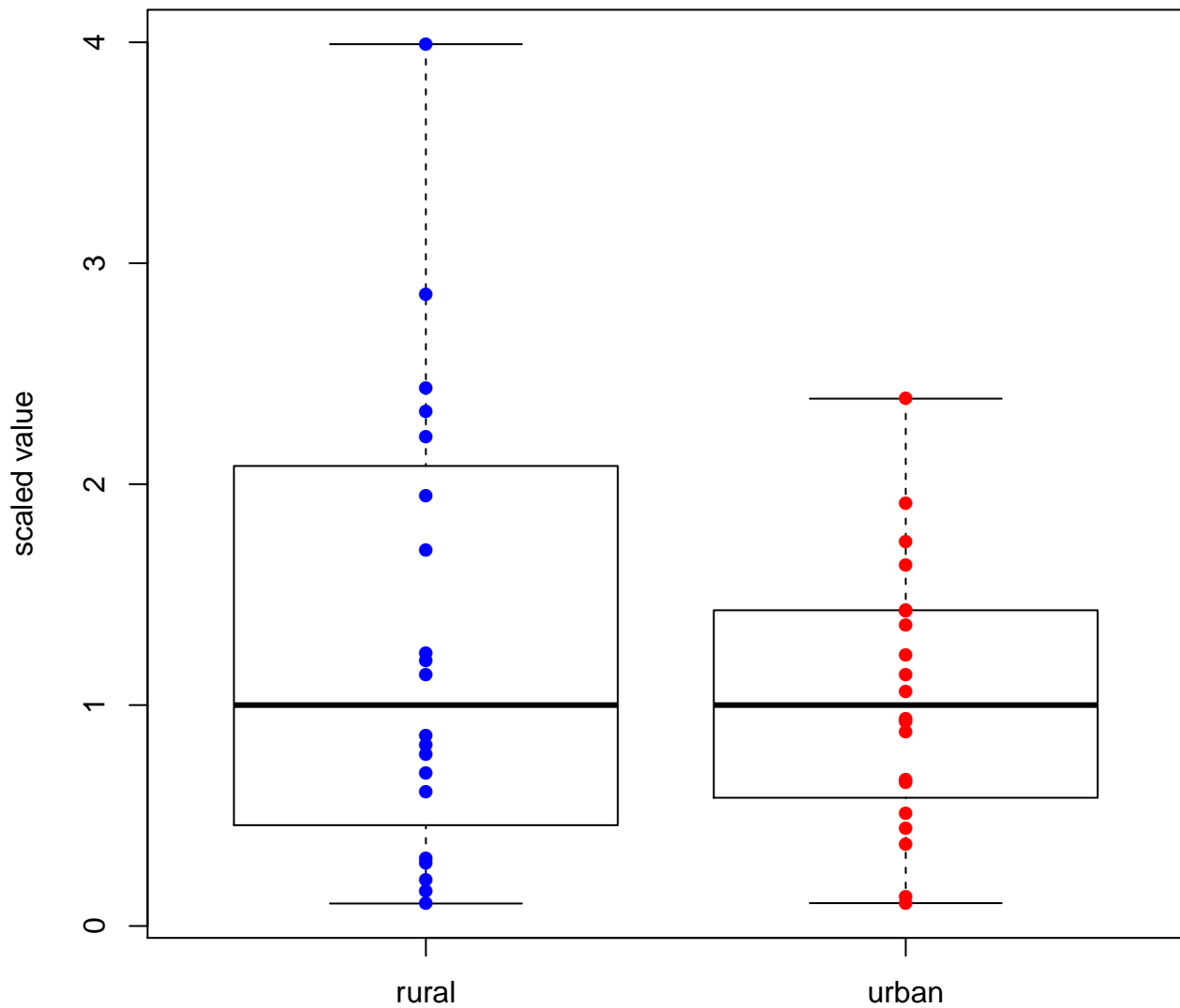


metabolite: isoleucine  
pAdjRuralUrban= 0.623

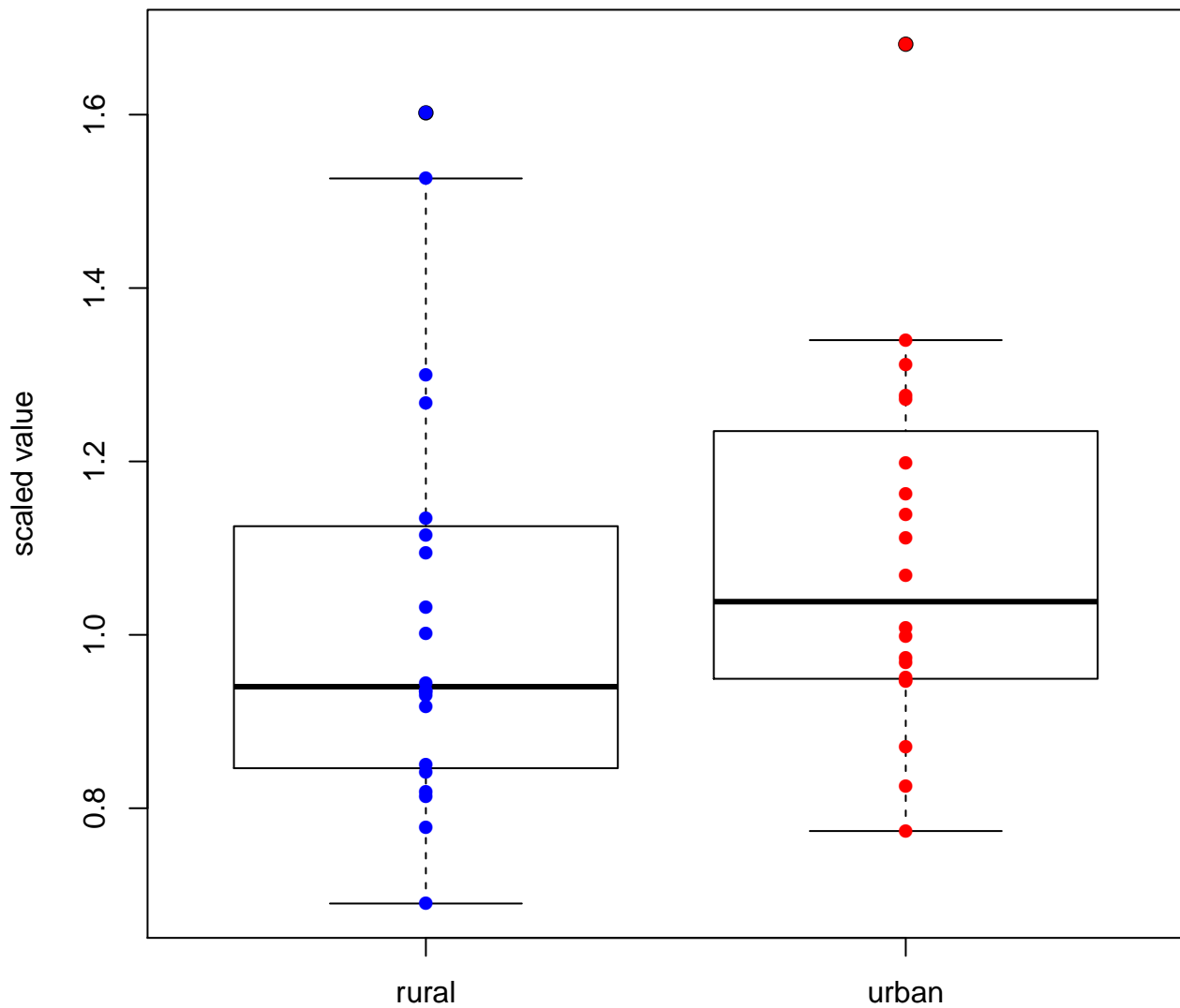


metabolite: stachydrine

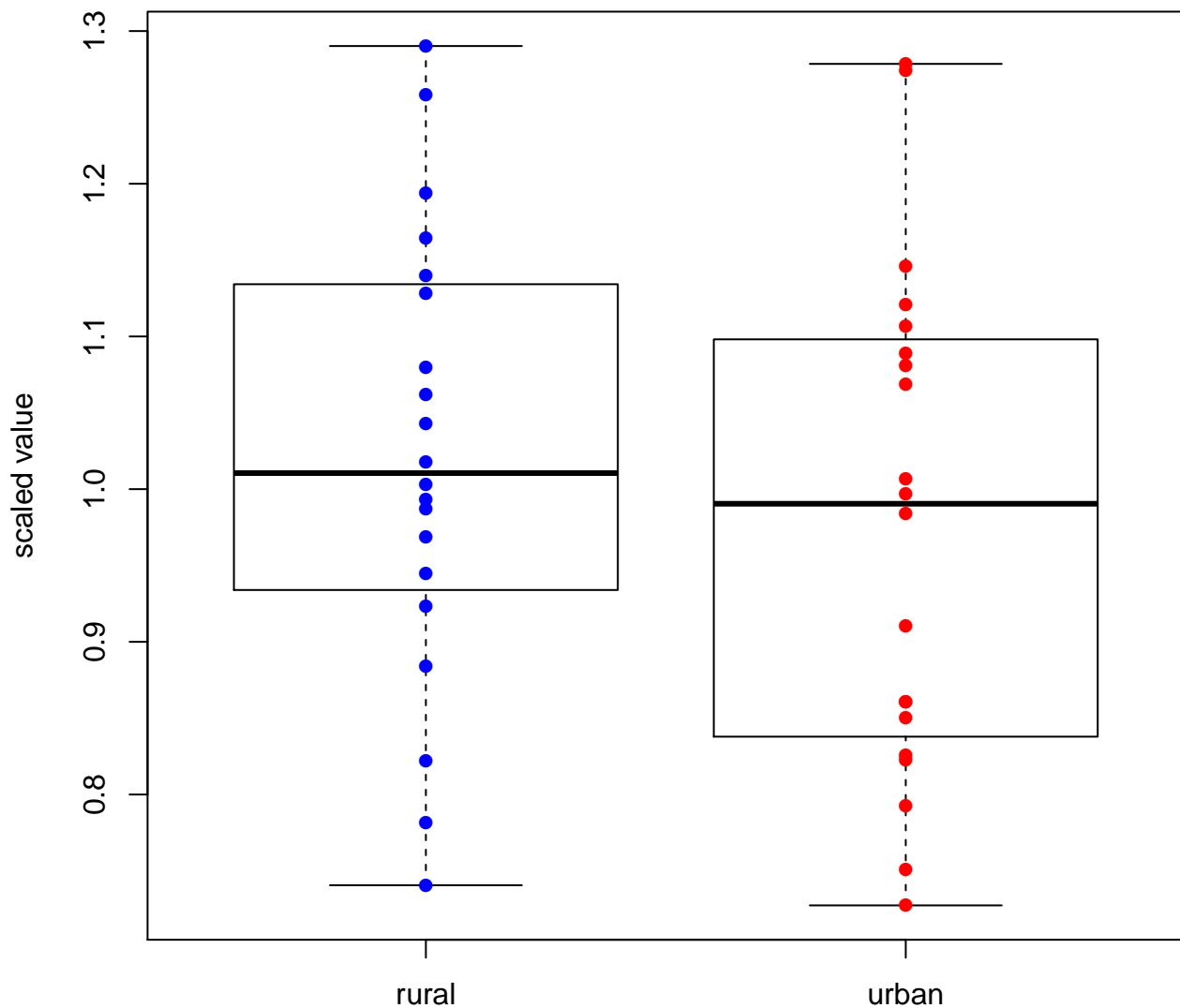
pAdjRuralUrban= 0.624



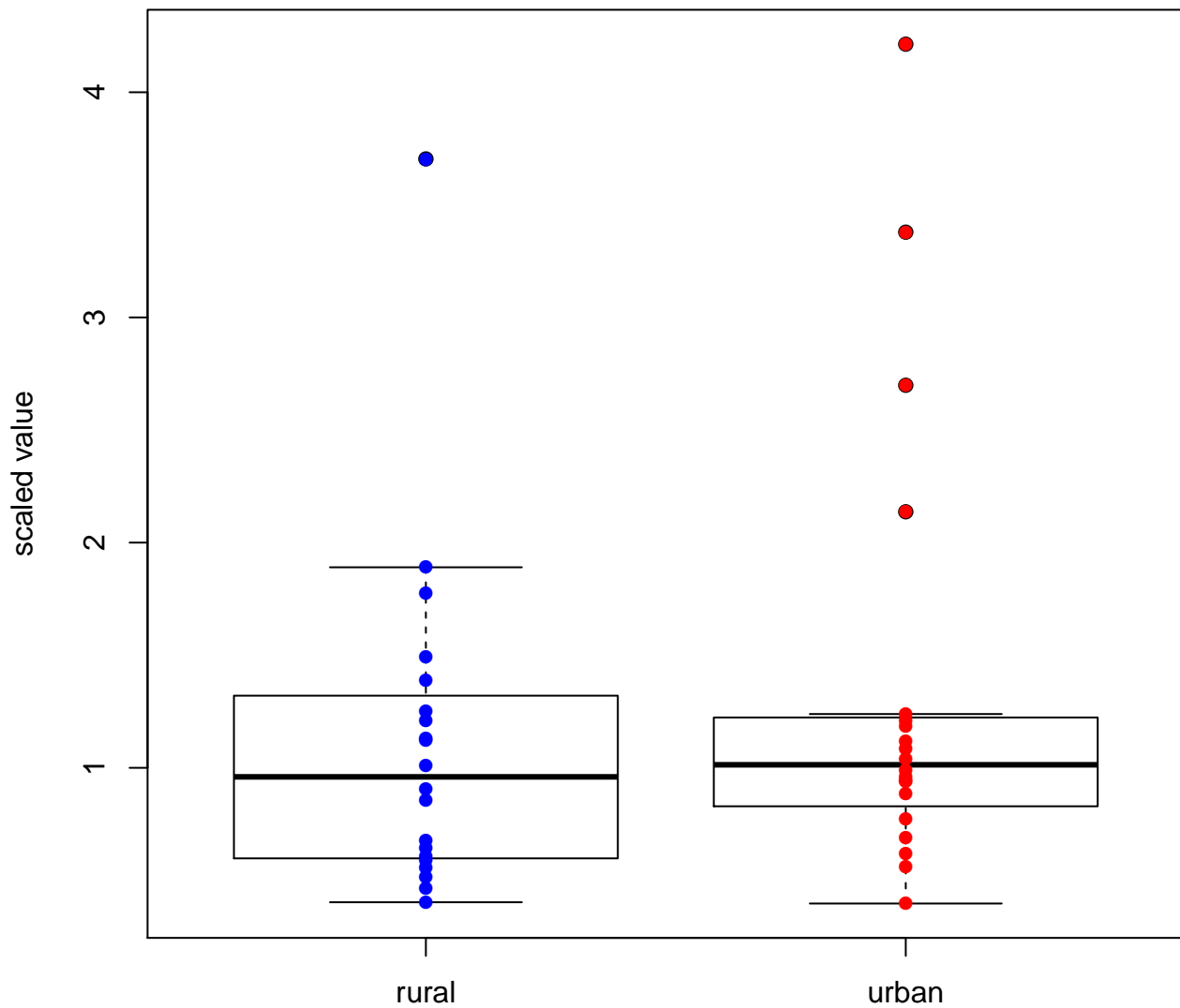
metabolite: acetylcarnitine  
pAdjRuralUrban= 0.634



metabolite: 2-hydroxypalmitate  
pAdjRuralUrban= 0.635

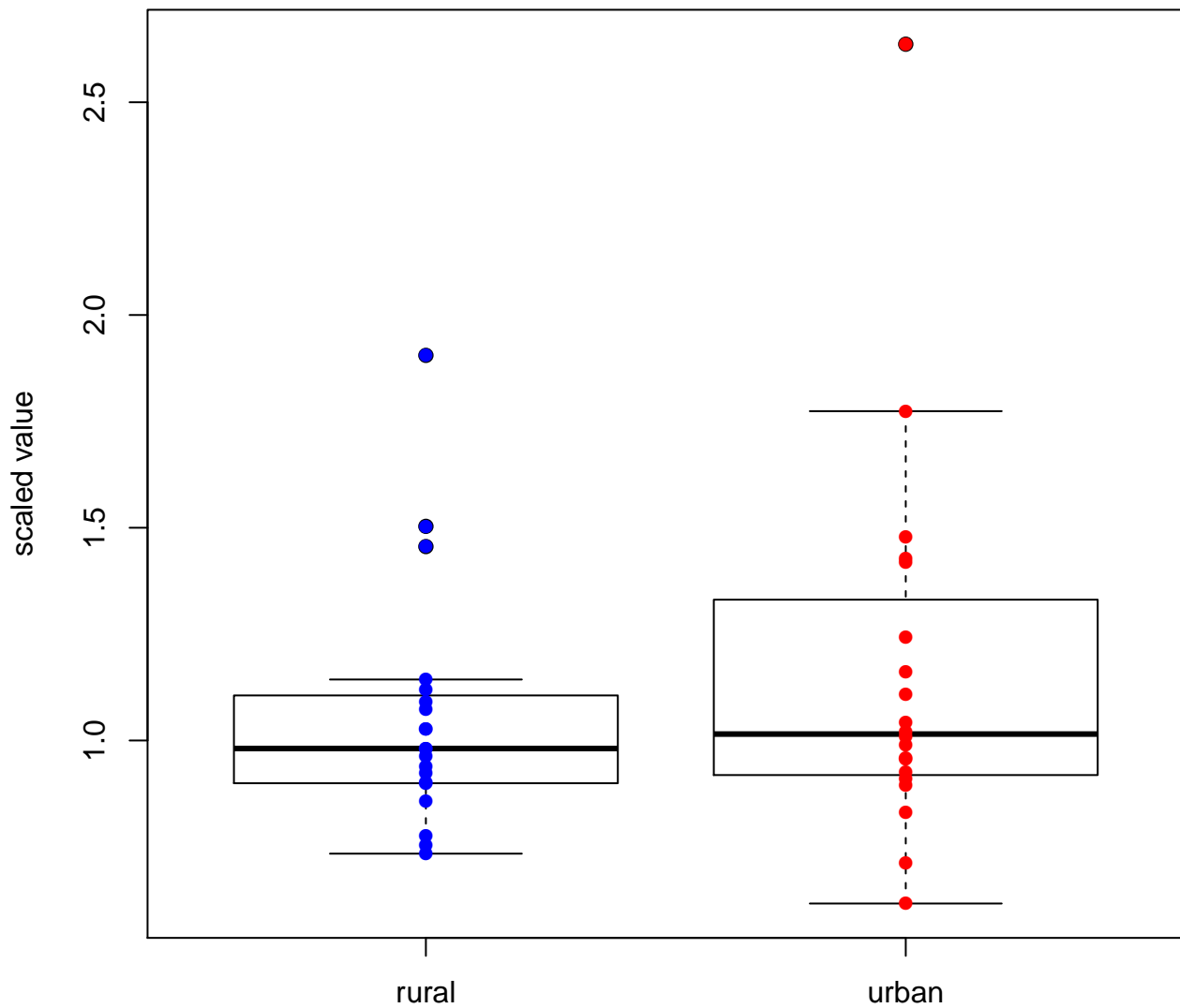


metabolite: decanoylcarnitine  
pAdjRuralUrban= 0.635

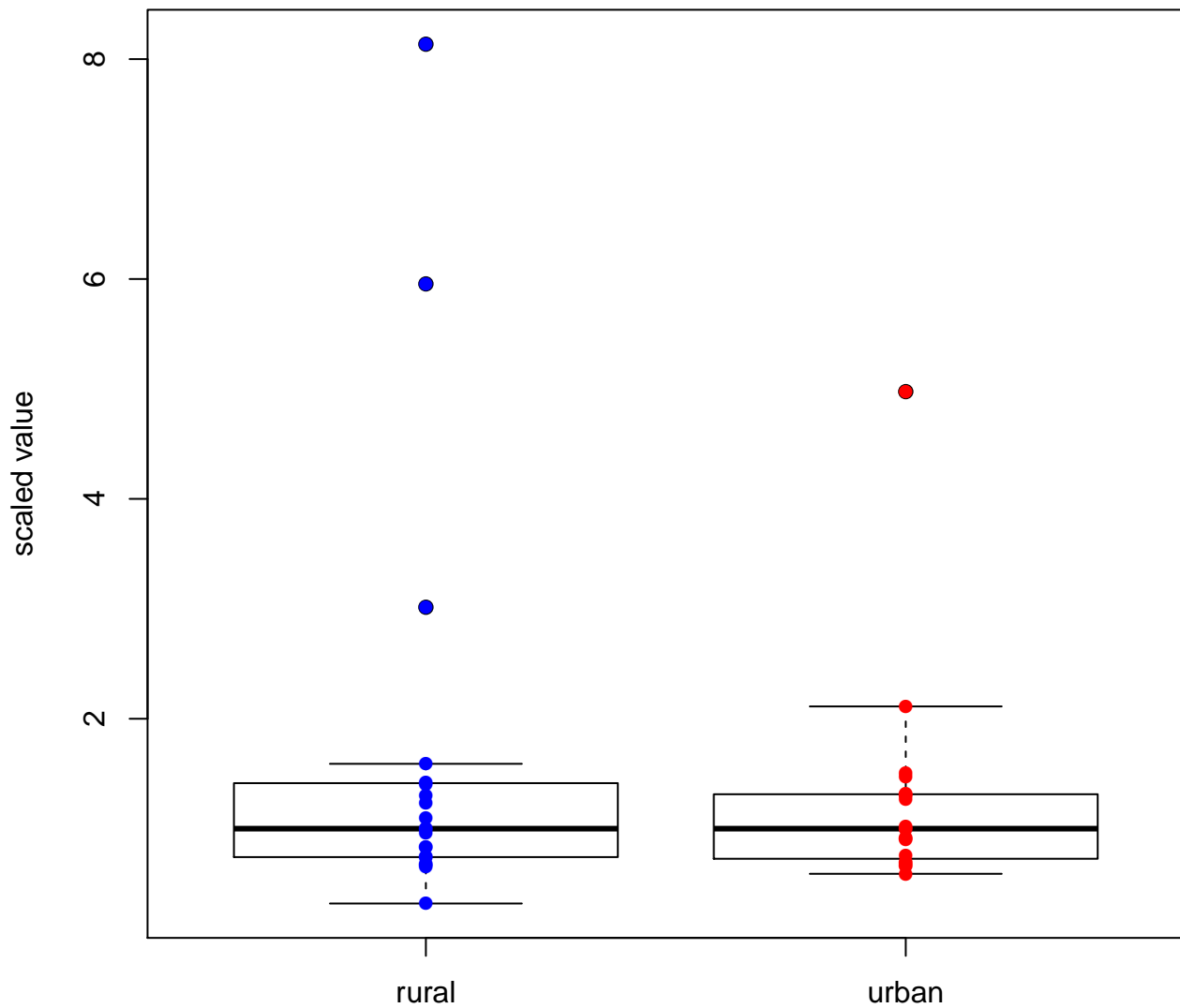




metabolite: glucuronate  
pAdjRuralUrban= 0.635

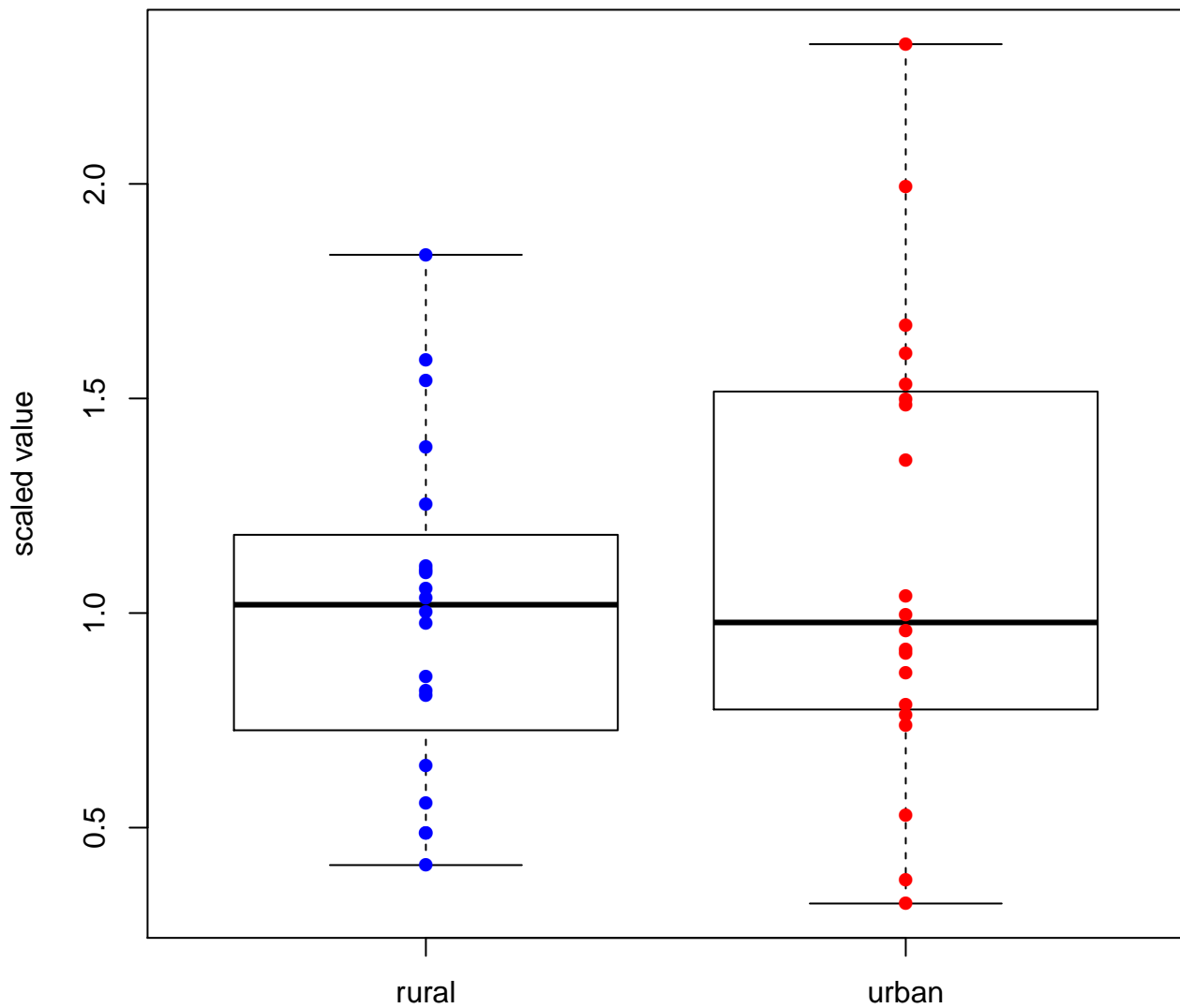


metabolite: mannitol  
pAdjRuralUrban= 0.635

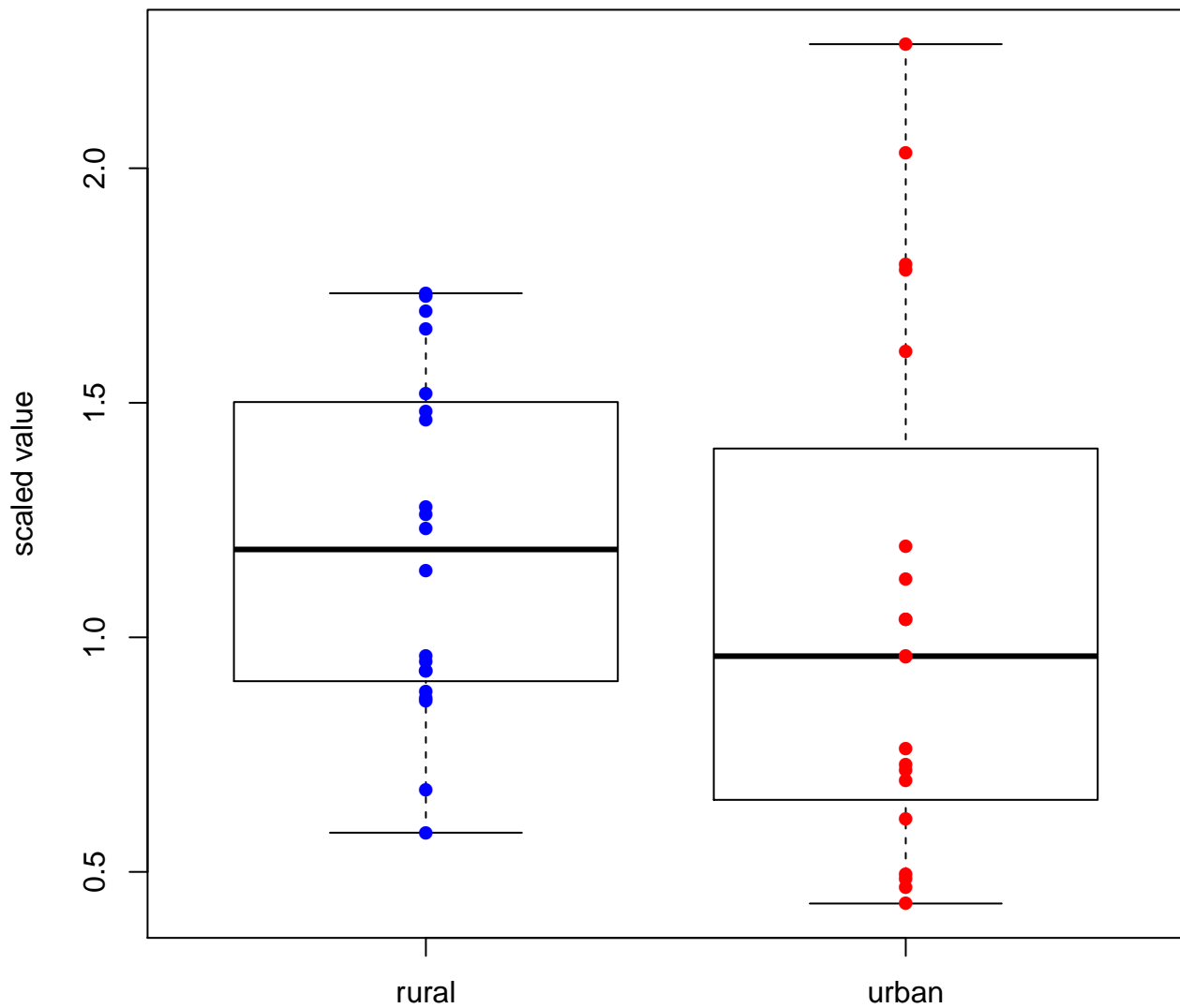


metabolite: myristoleate (14:1n5)

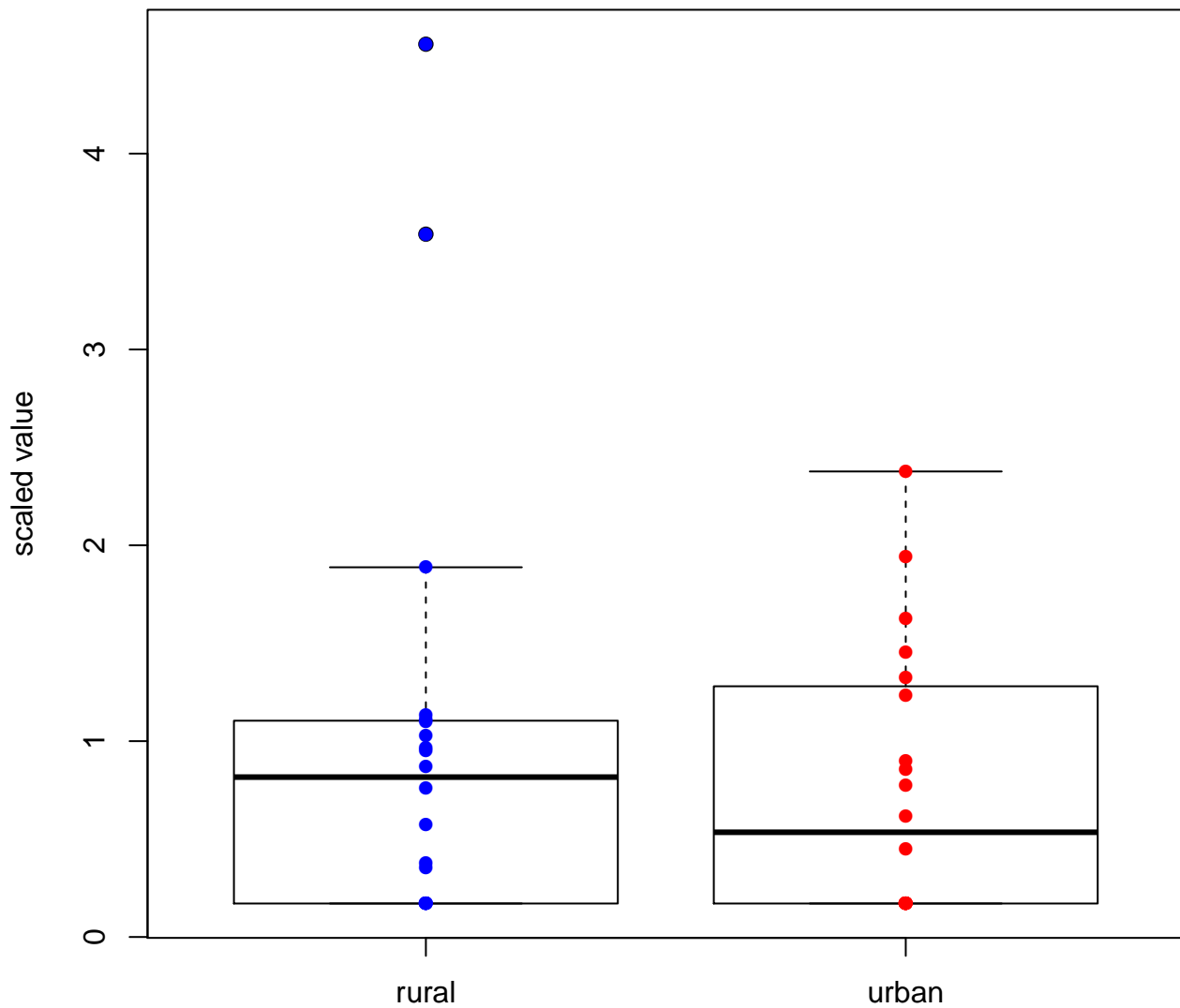
pAdjRuralUrban= 0.635



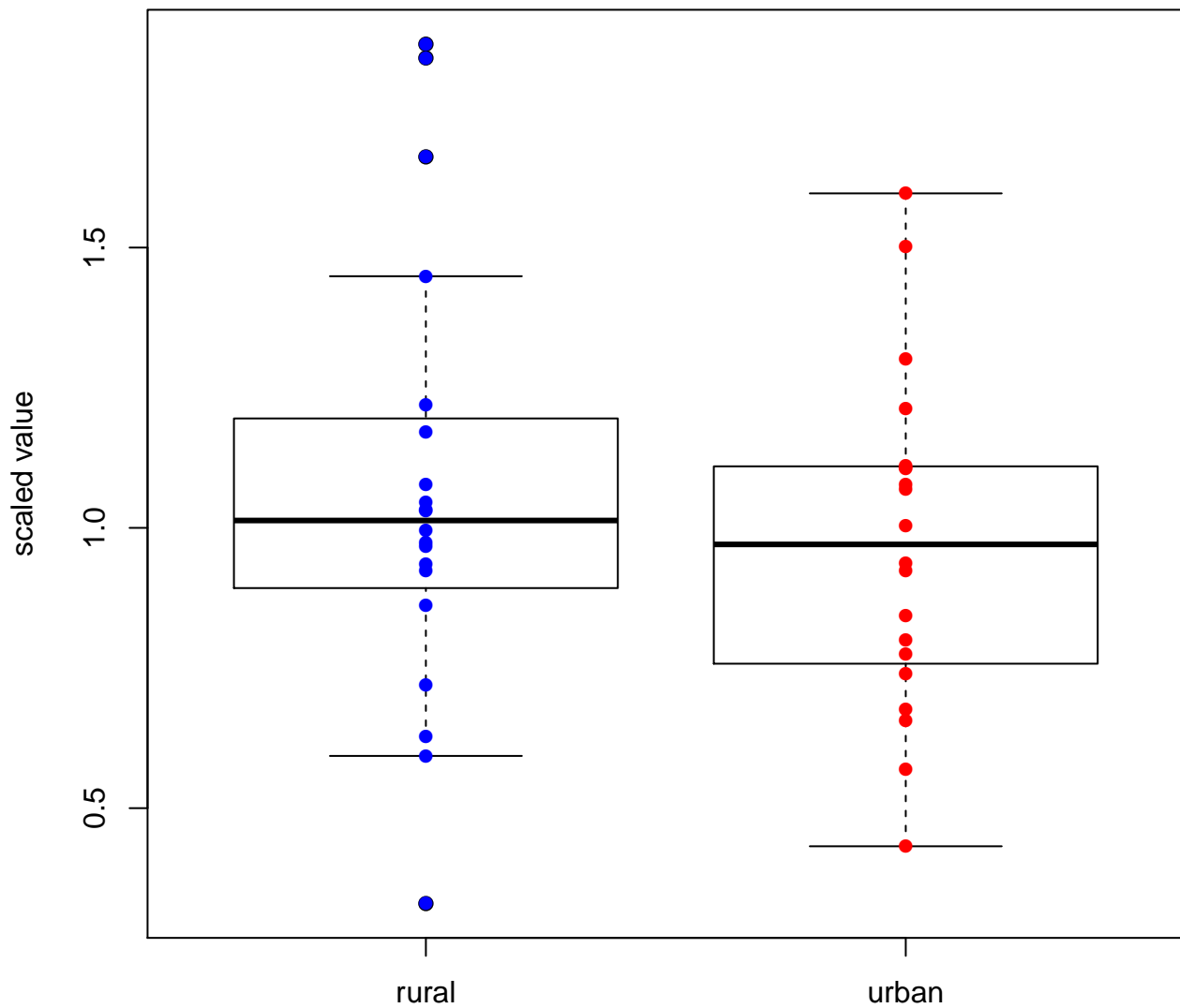
metabolite: N-acetyl-beta-alanine  
pAdjRuralUrban= 0.635



**metabolite: tauroolithocholate 3-sulfate**  
**pAdjRuralUrban= 0.642**

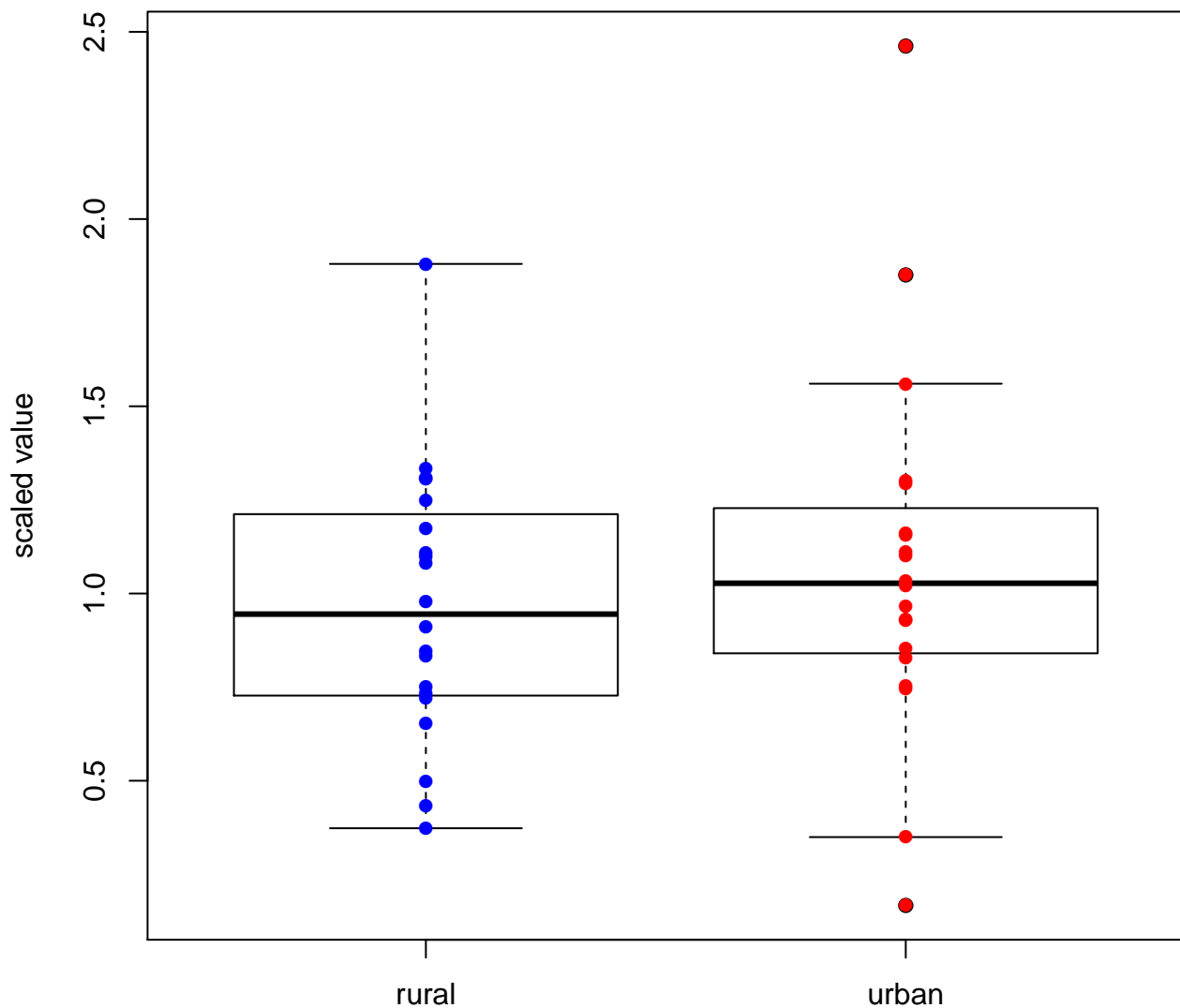


metabolite: 3-methoxytyrosine  
pAdjRuralUrban= 0.652

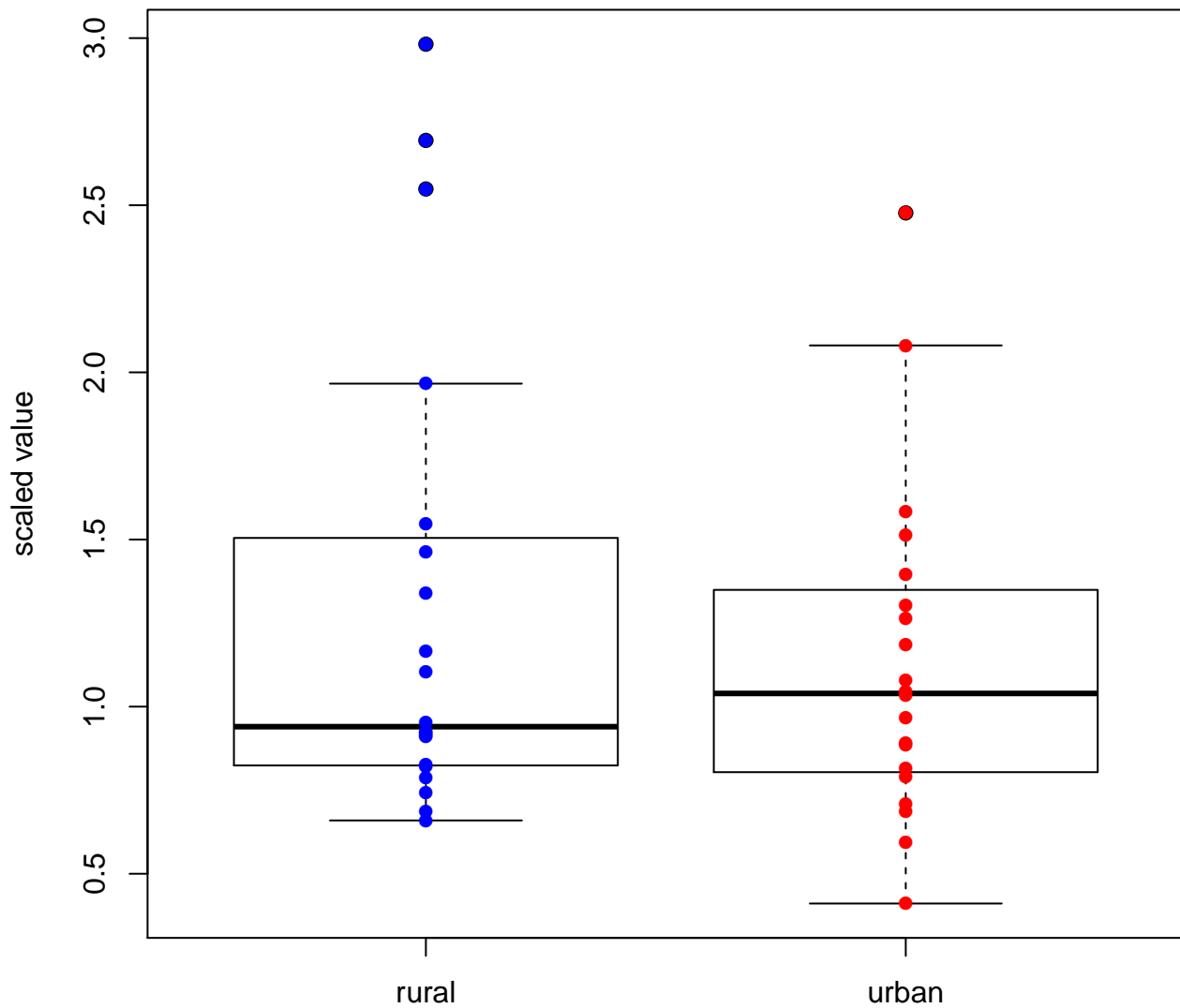


metabolite: 1-palmitoyl-GPA (16:0)

pAdjRuralUrban= 0.653

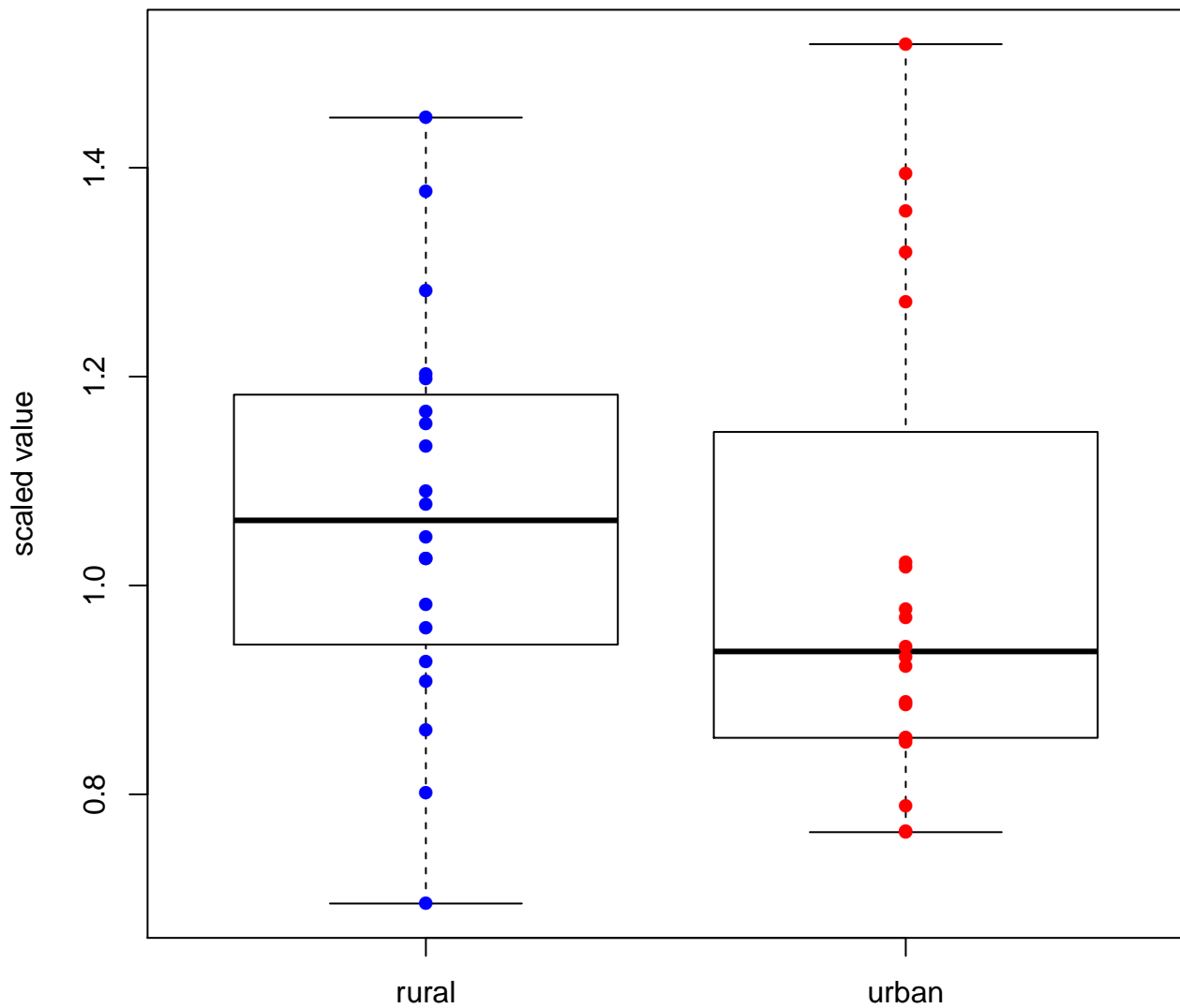


metabolite: campesterol  
pAdjRuralUrban= 0.653

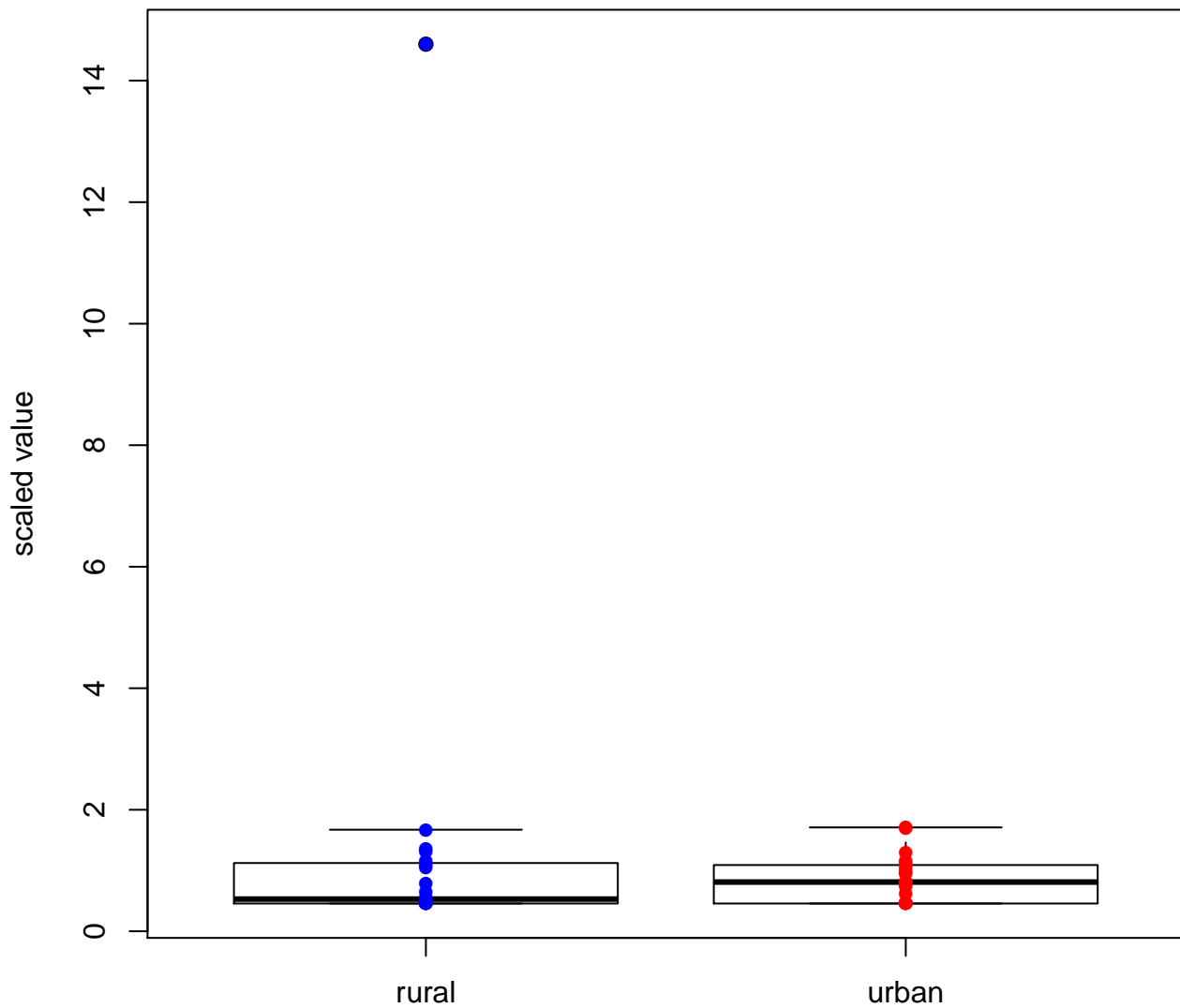




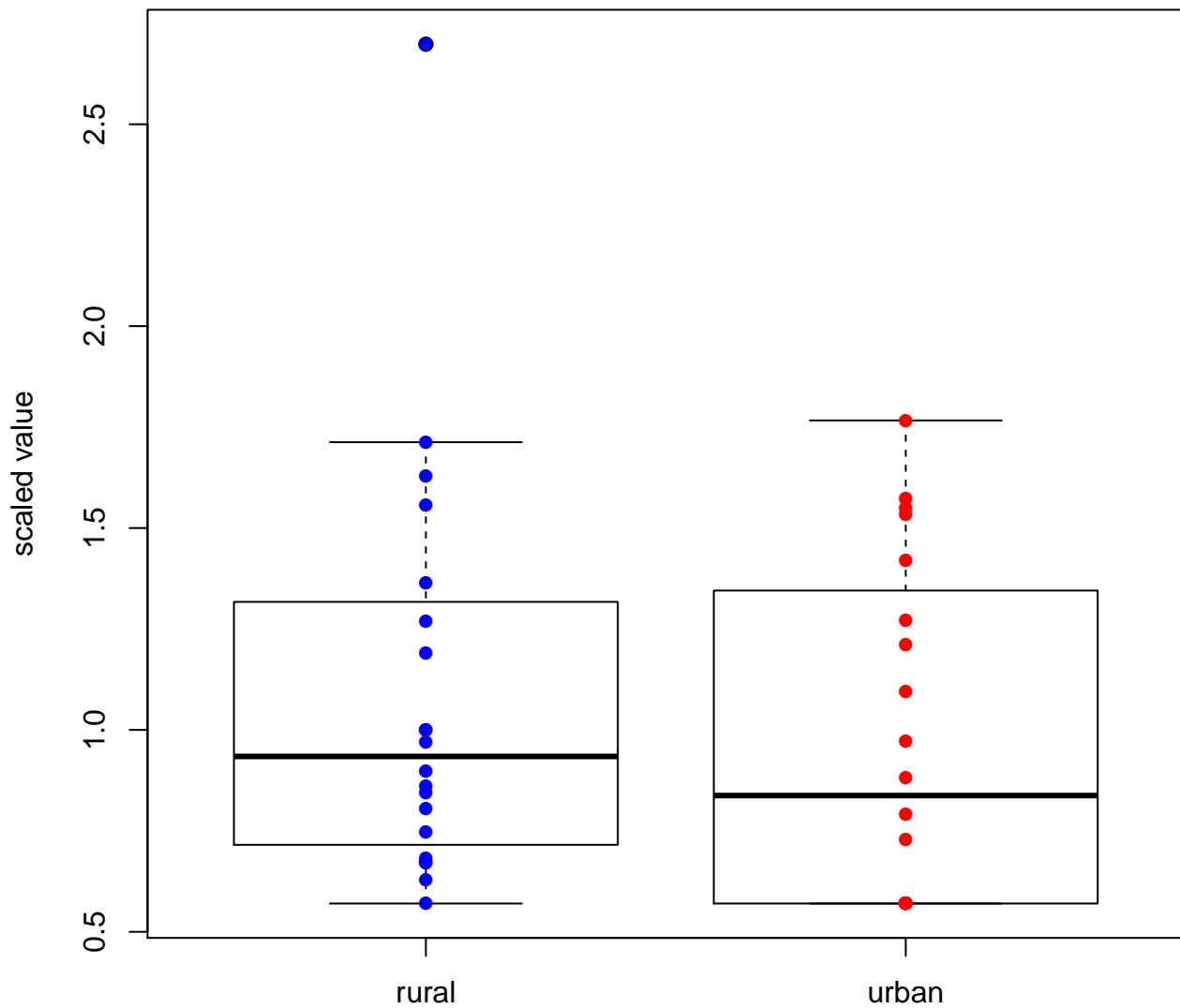
metabolite: creatinine  
pAdjRuralUrban= 0.656



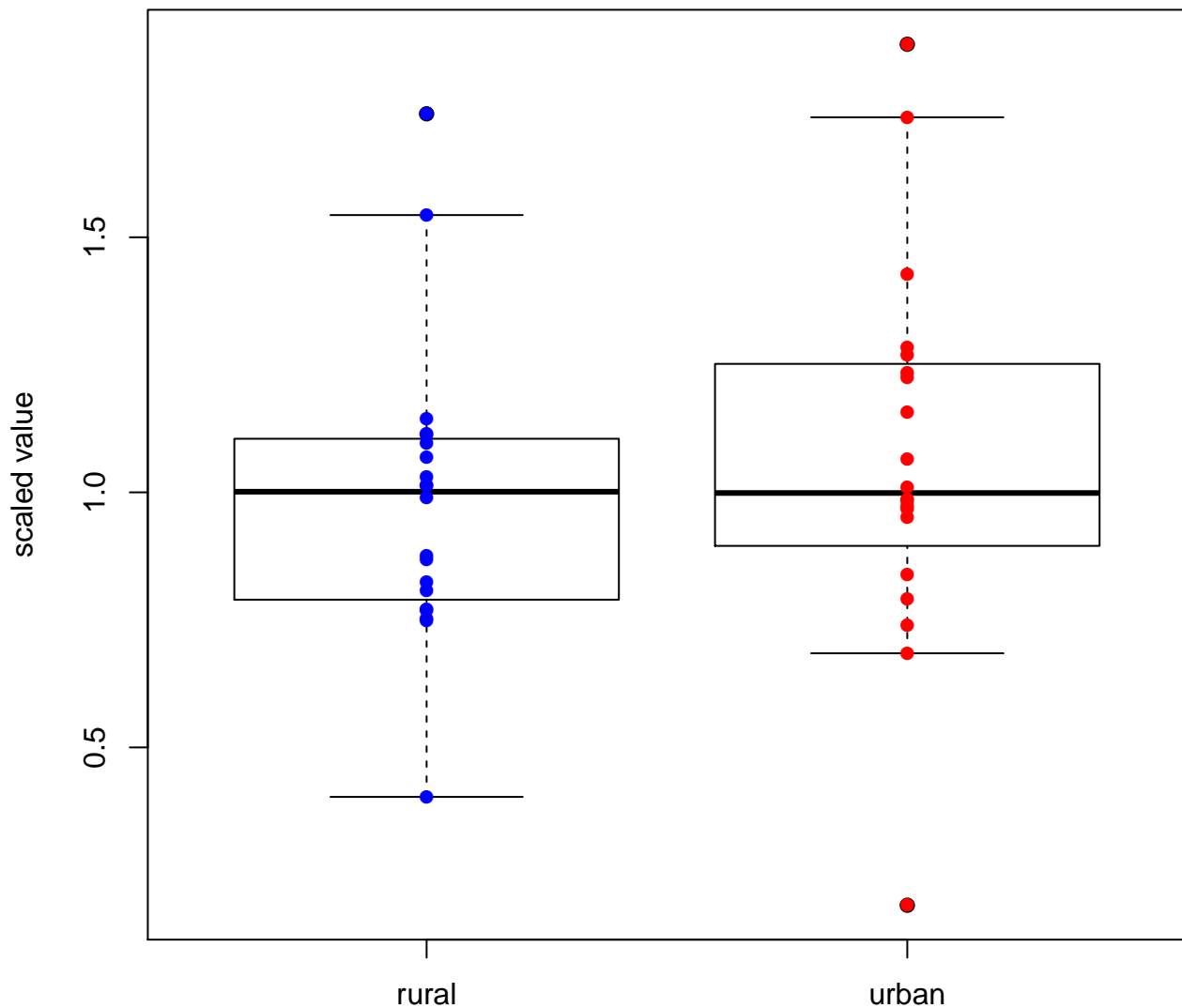
metabolite: cystine  
pAdjRuralUrban= 0.656



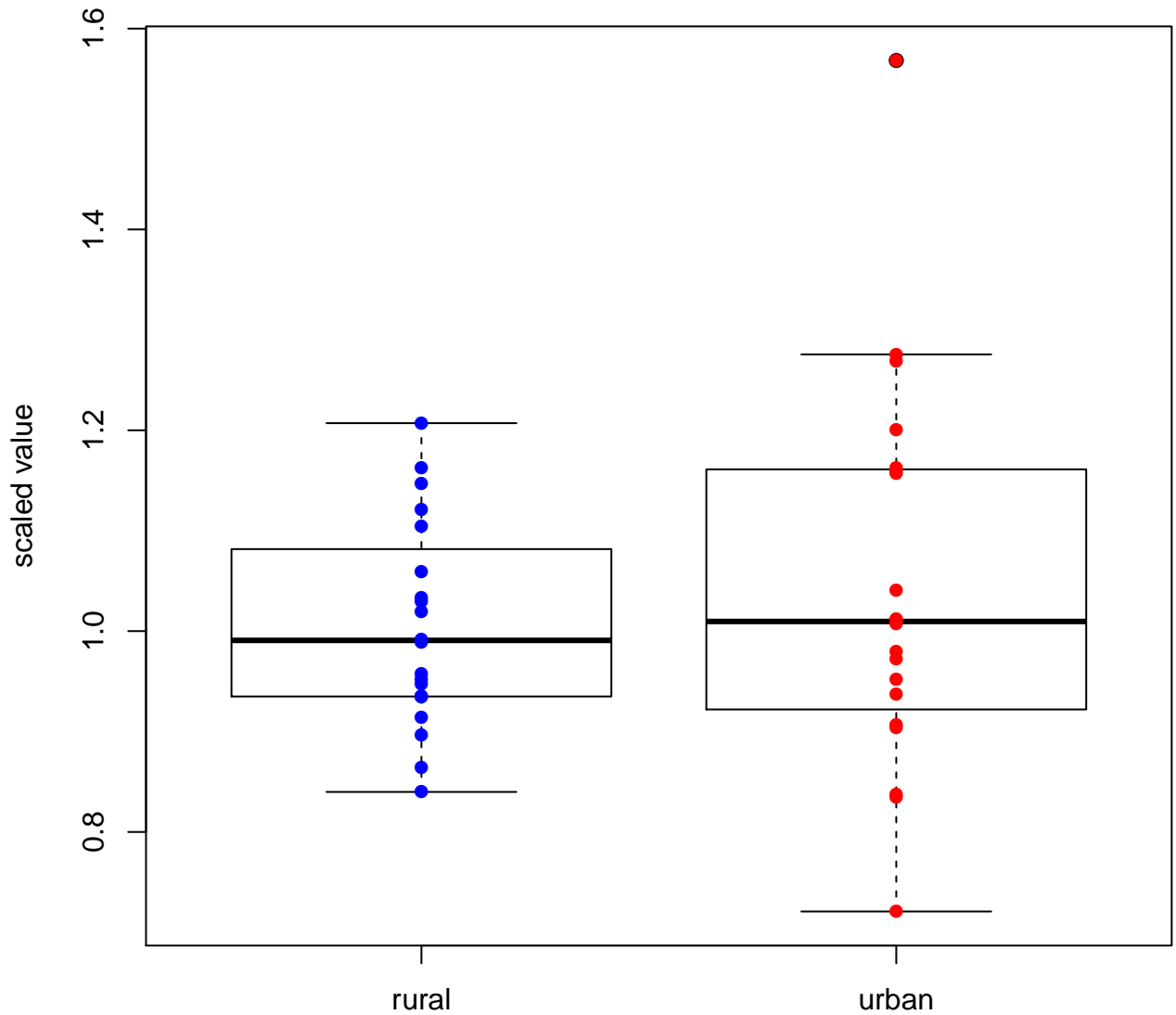
metabolite: homocitrulline  
pAdjRuralUrban= 0.656



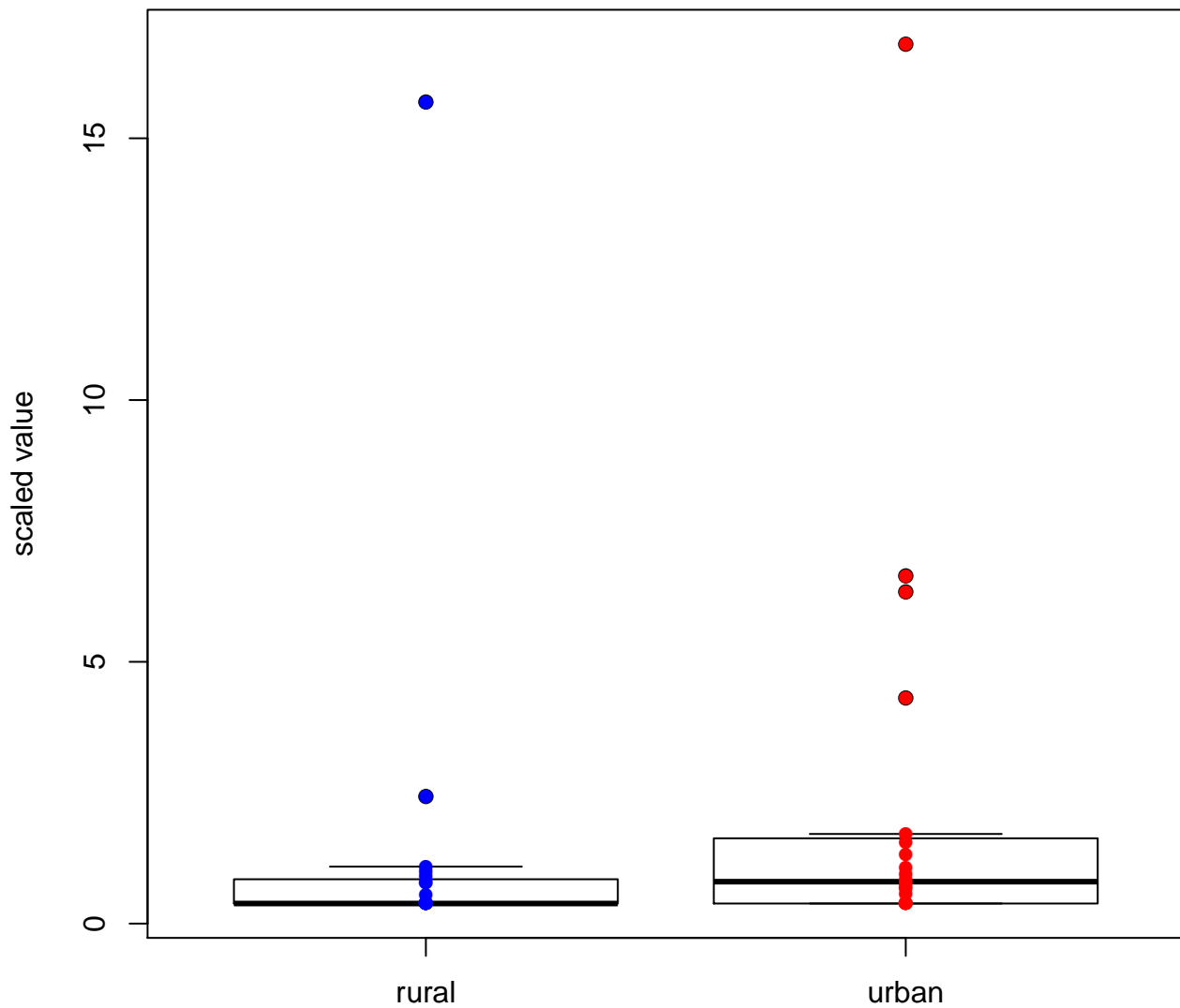
metabolite: hypoxanthine  
pAdjRuralUrban= 0.656



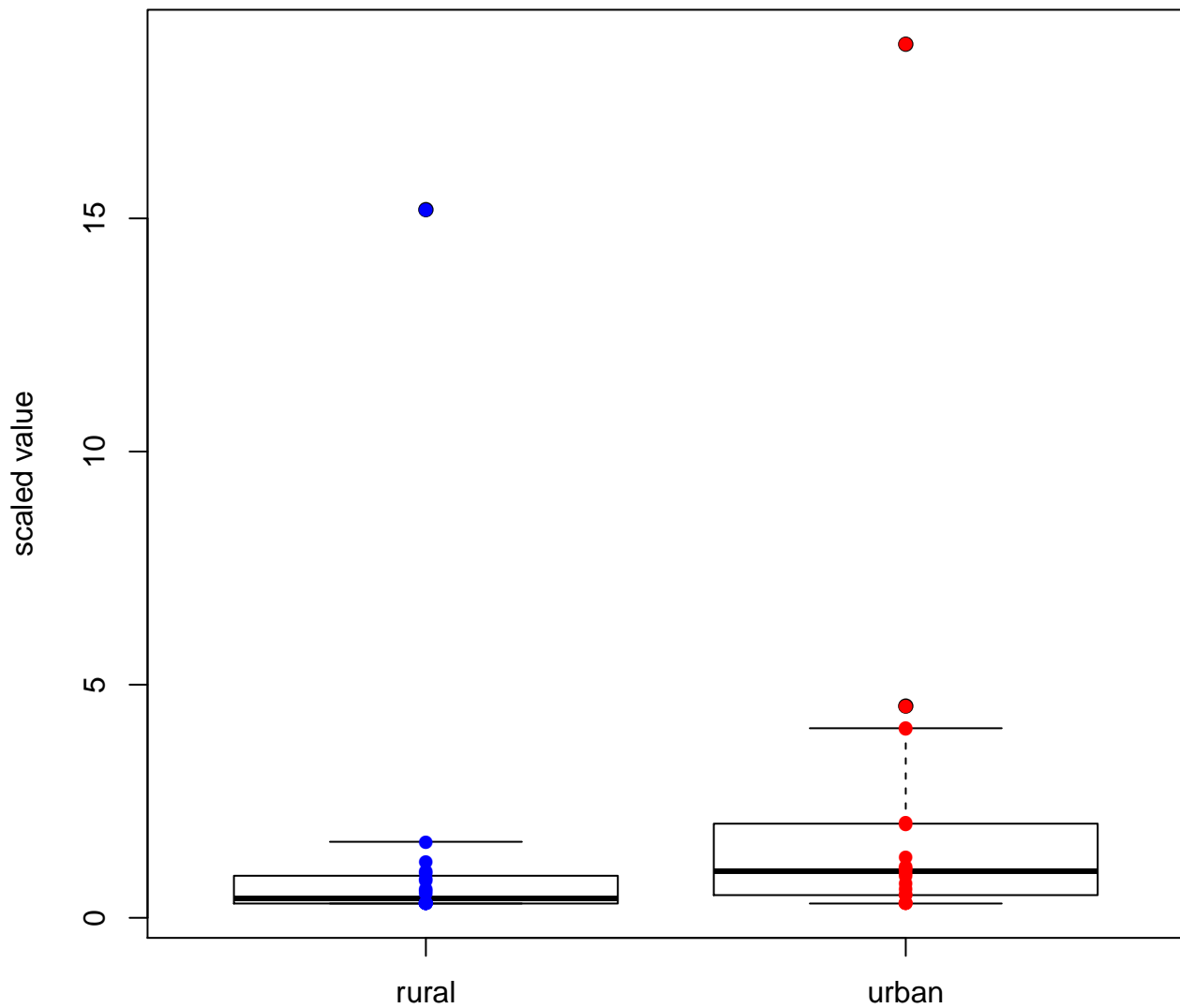
metabolite: N1-methyladenosine  
pAdjRuralUrban= 0.656



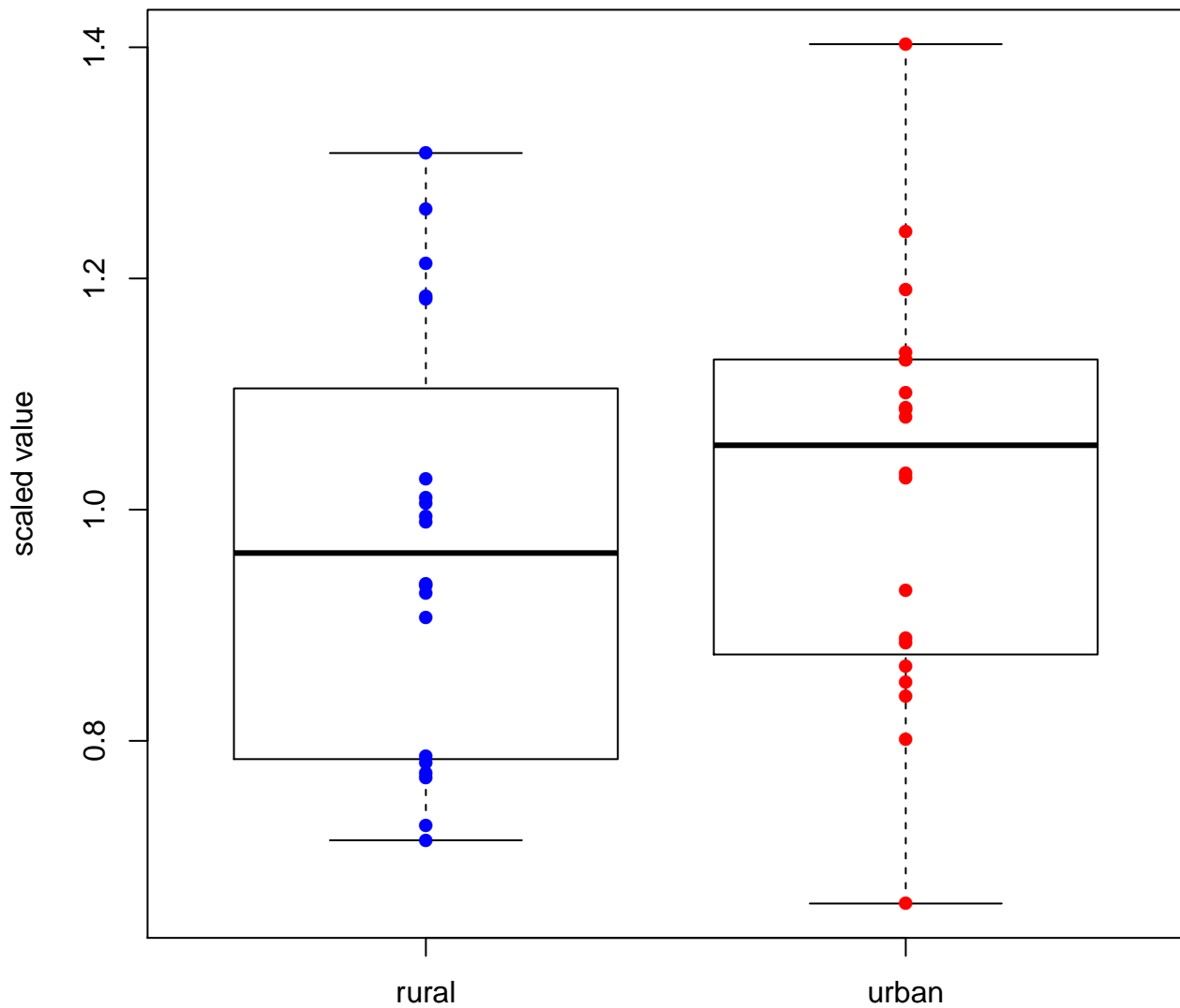
metabolite: salicylate  
pAdjRuralUrban= 0.656



metabolite: taurocholate  
pAdjRuralUrban= 0.656

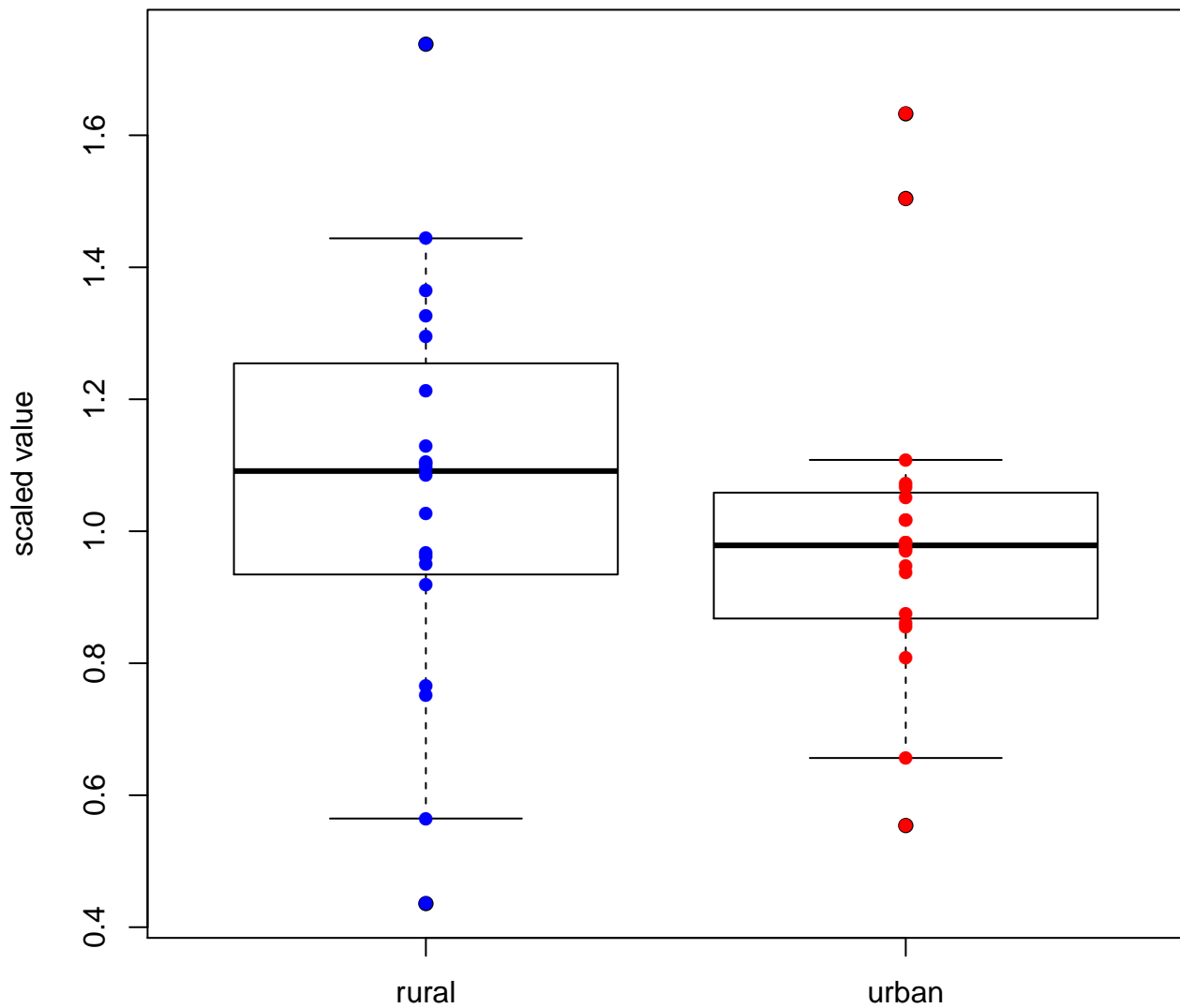


metabolite: tyrosine  
pAdjRuralUrban= 0.656

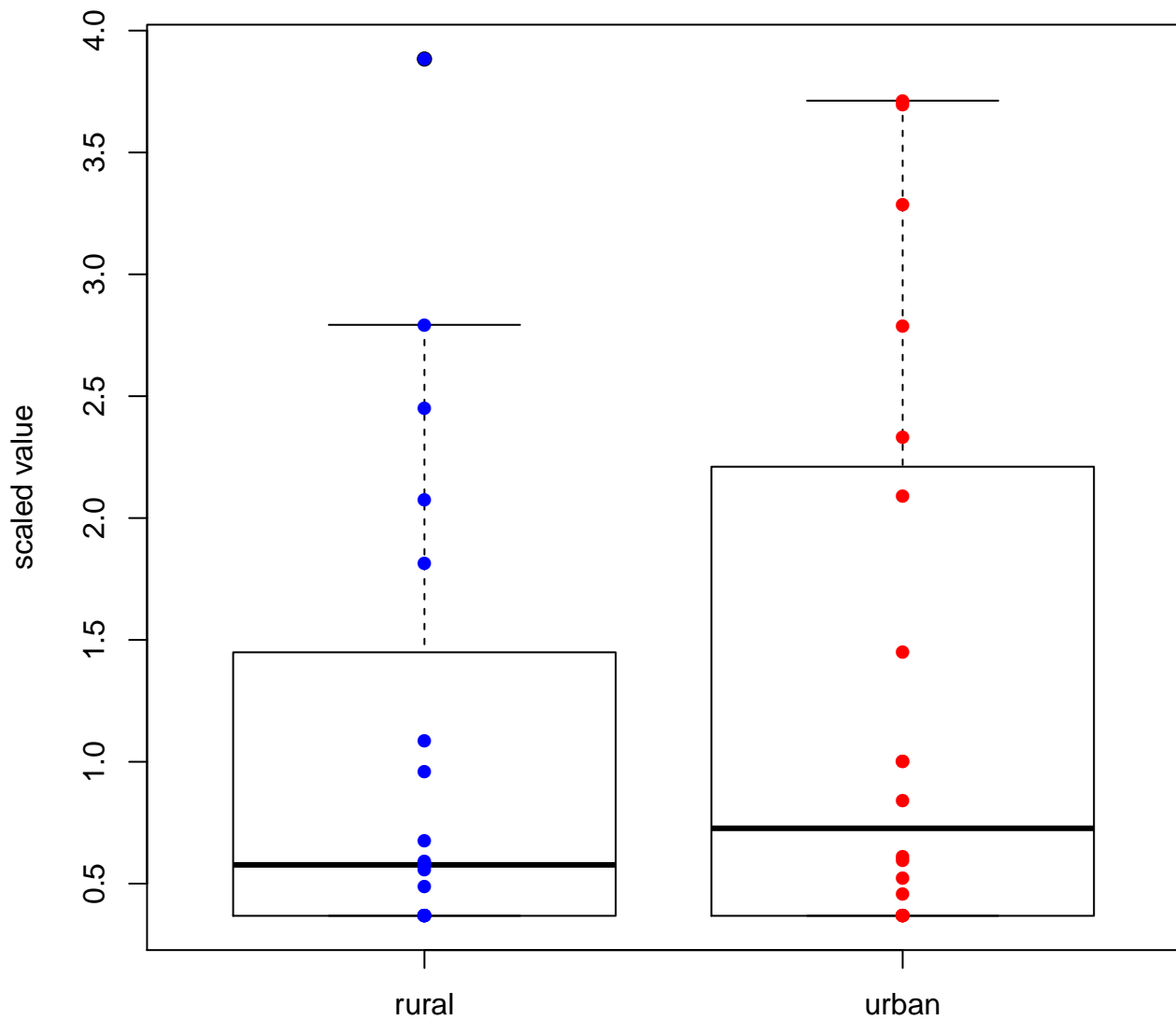




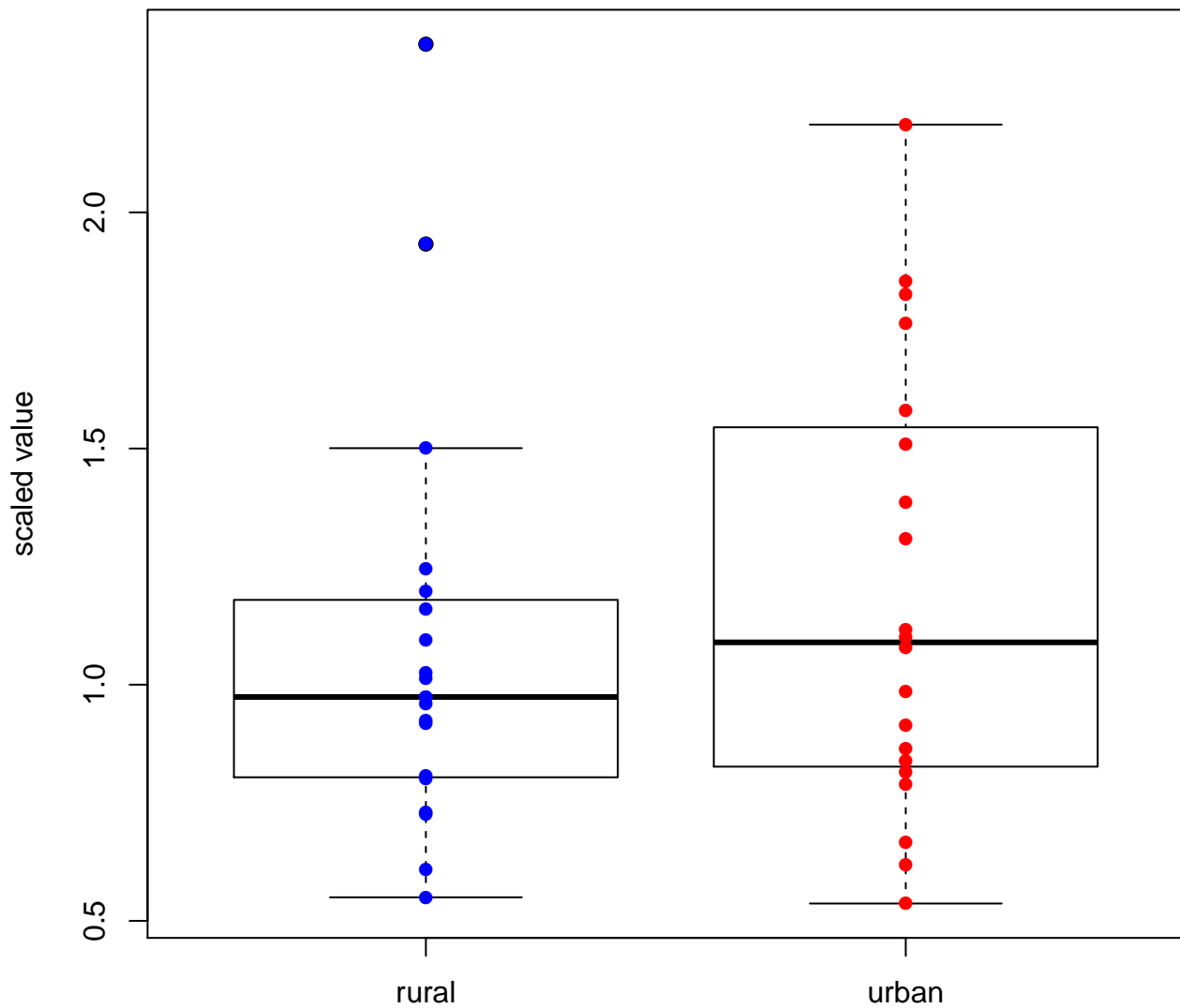
metabolite: dihydroorotate  
pAdjRuralUrban= 0.664



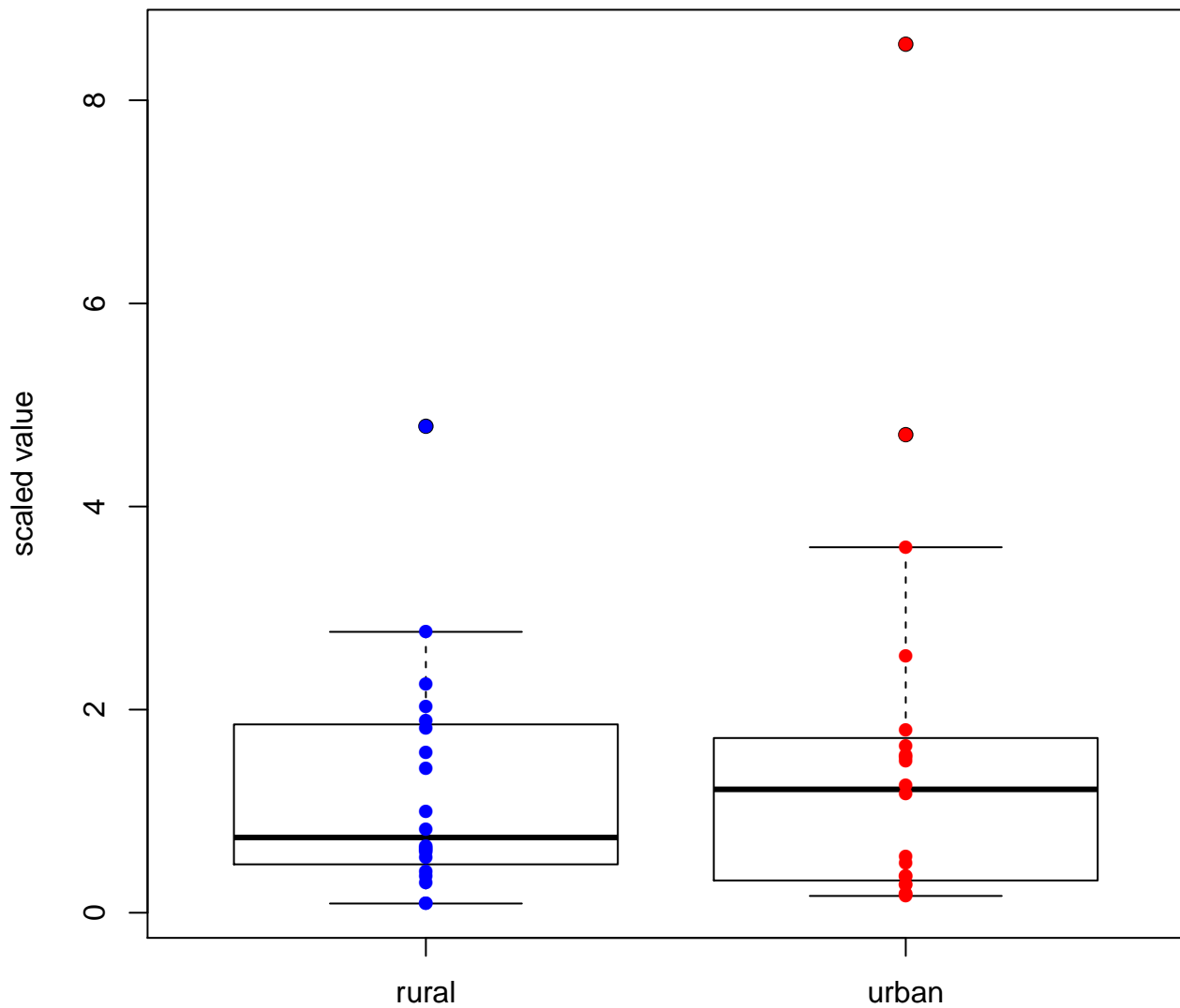
metabolite: 3-hydroxyhippurate  
pAdjRuralUrban= 0.667



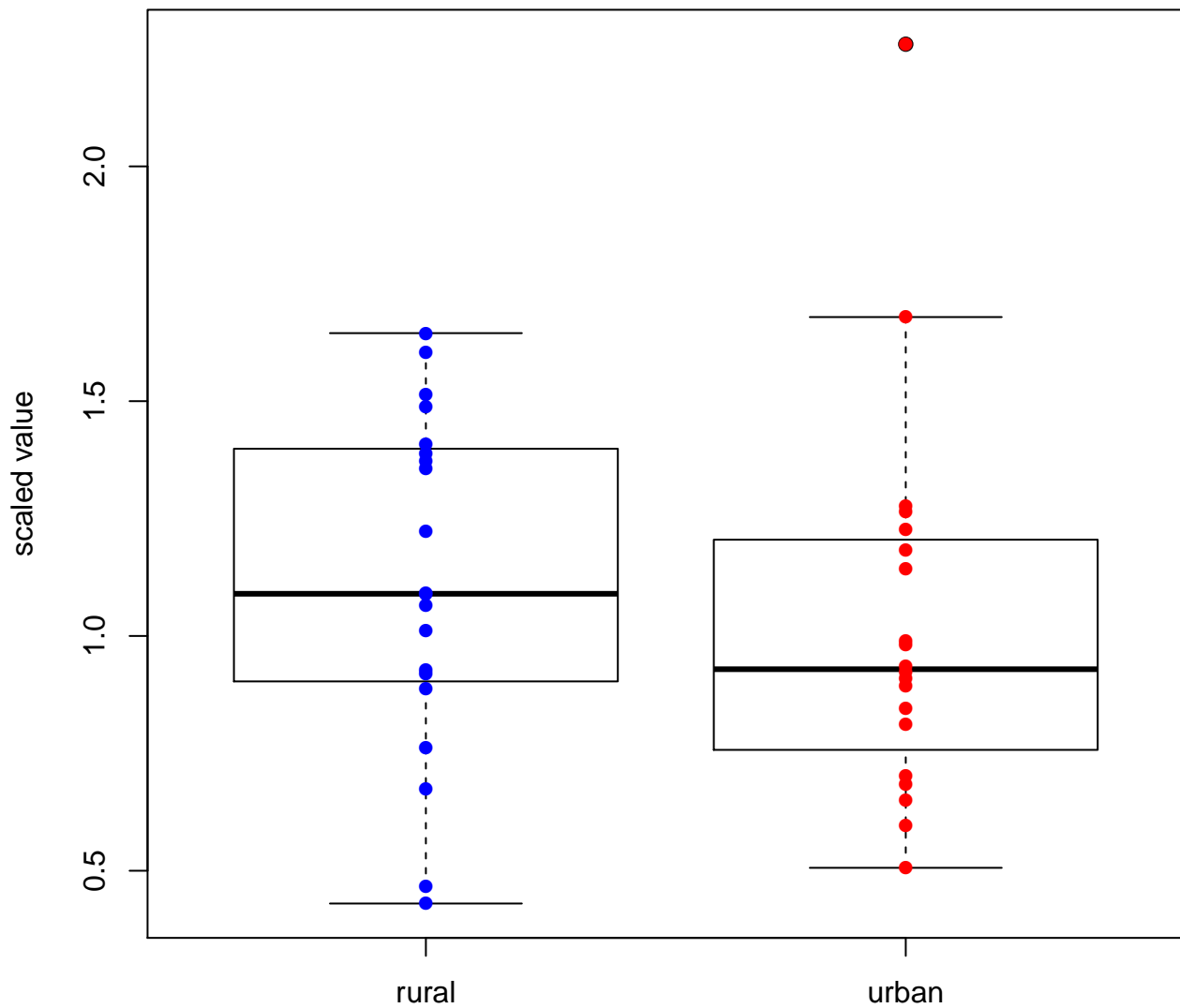
metabolite: arabonate  
pAdjRuralUrban= 0.667



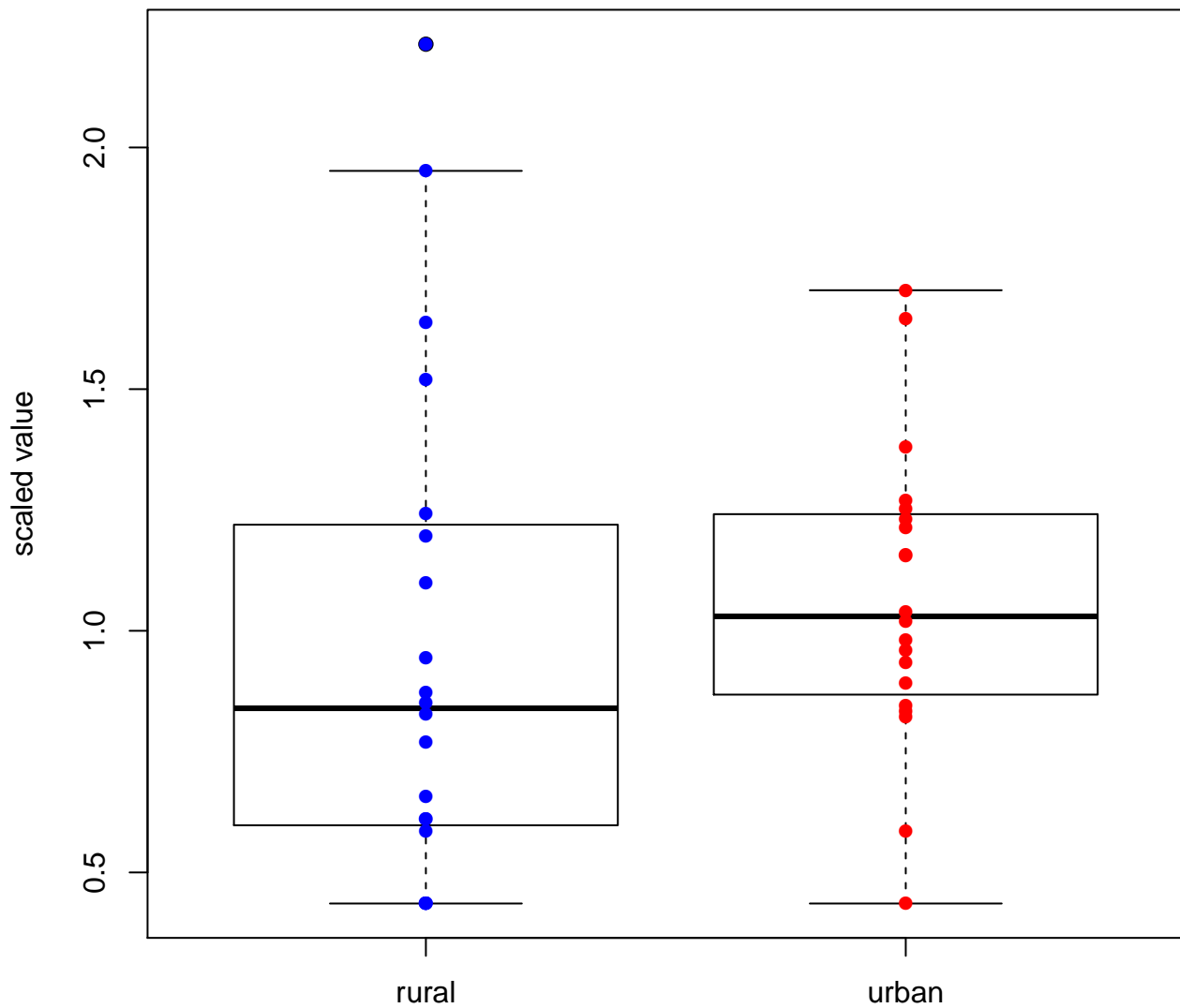
metabolite: 4-methylcatechol sulfate  
pAdjRuralUrban= 0.676



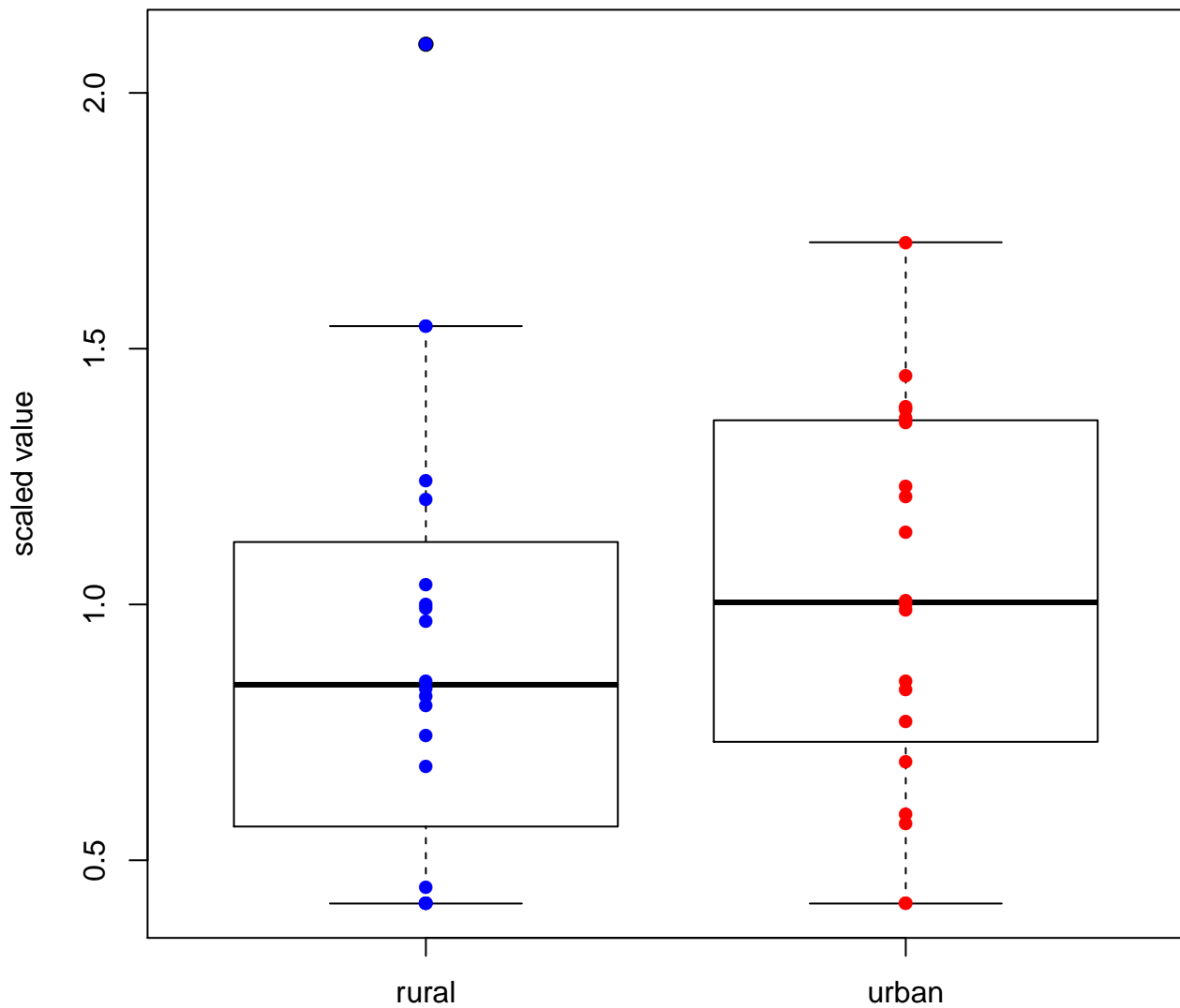
metabolite: acisoga  
pAdjRuralUrban= 0.676



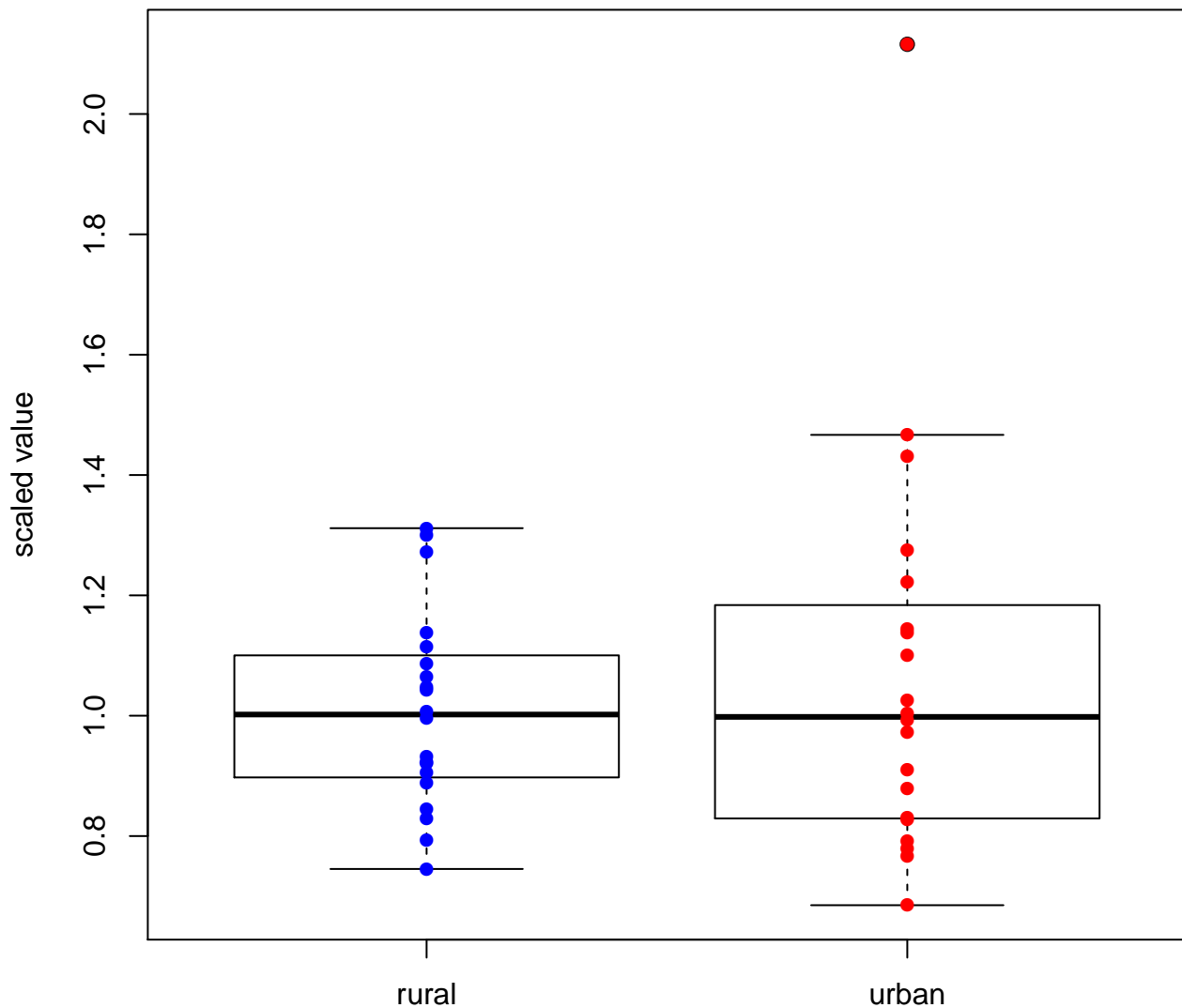
metabolite: sarcosine (N-Methylglycine)  
pAdjRuralUrban= 0.691



metabolite: 1-methylimidazoleacetate  
pAdjRuralUrban= 0.702

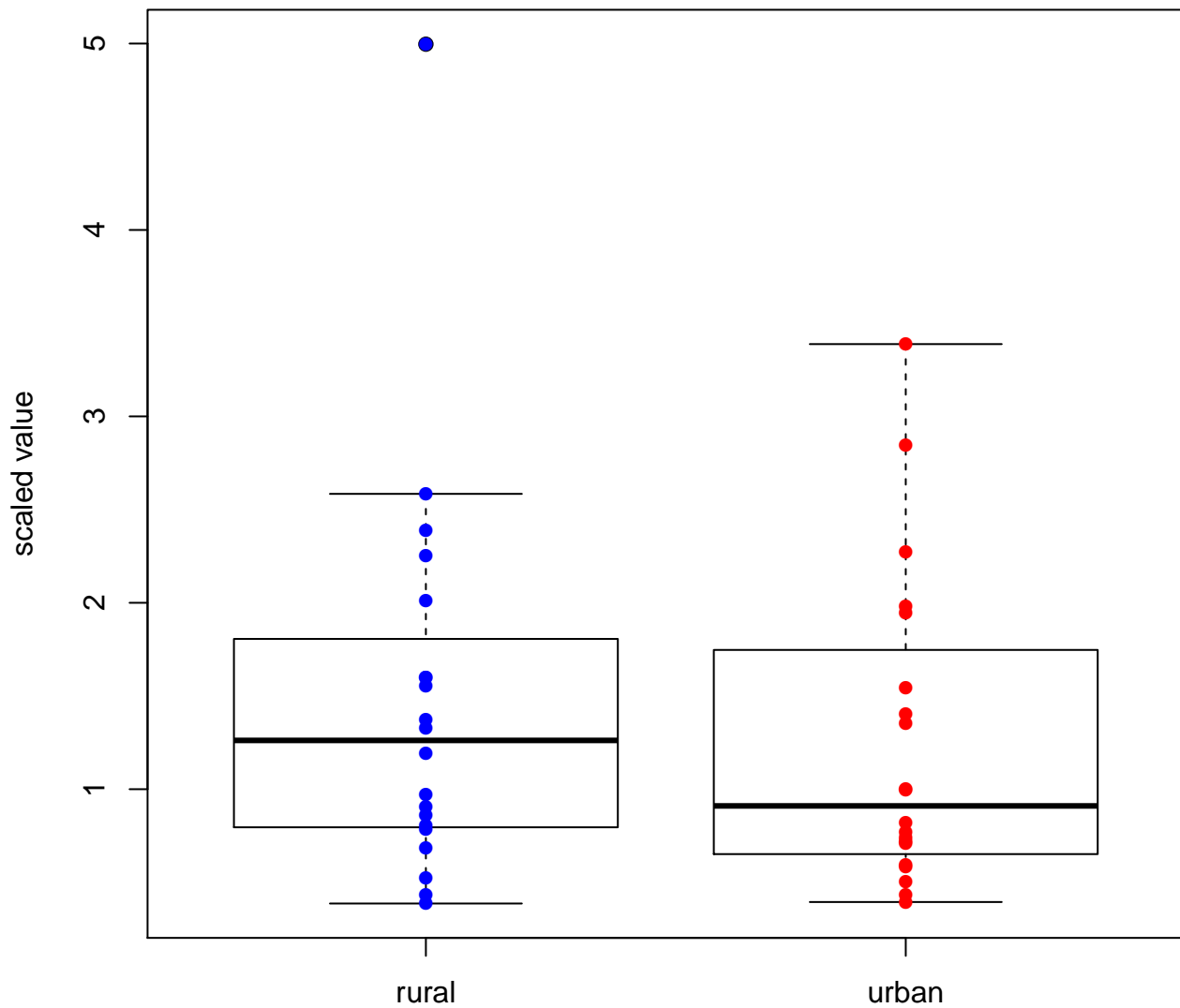


metabolite: 3-methyl-2-oxovalerate  
pAdjRuralUrban= 0.704

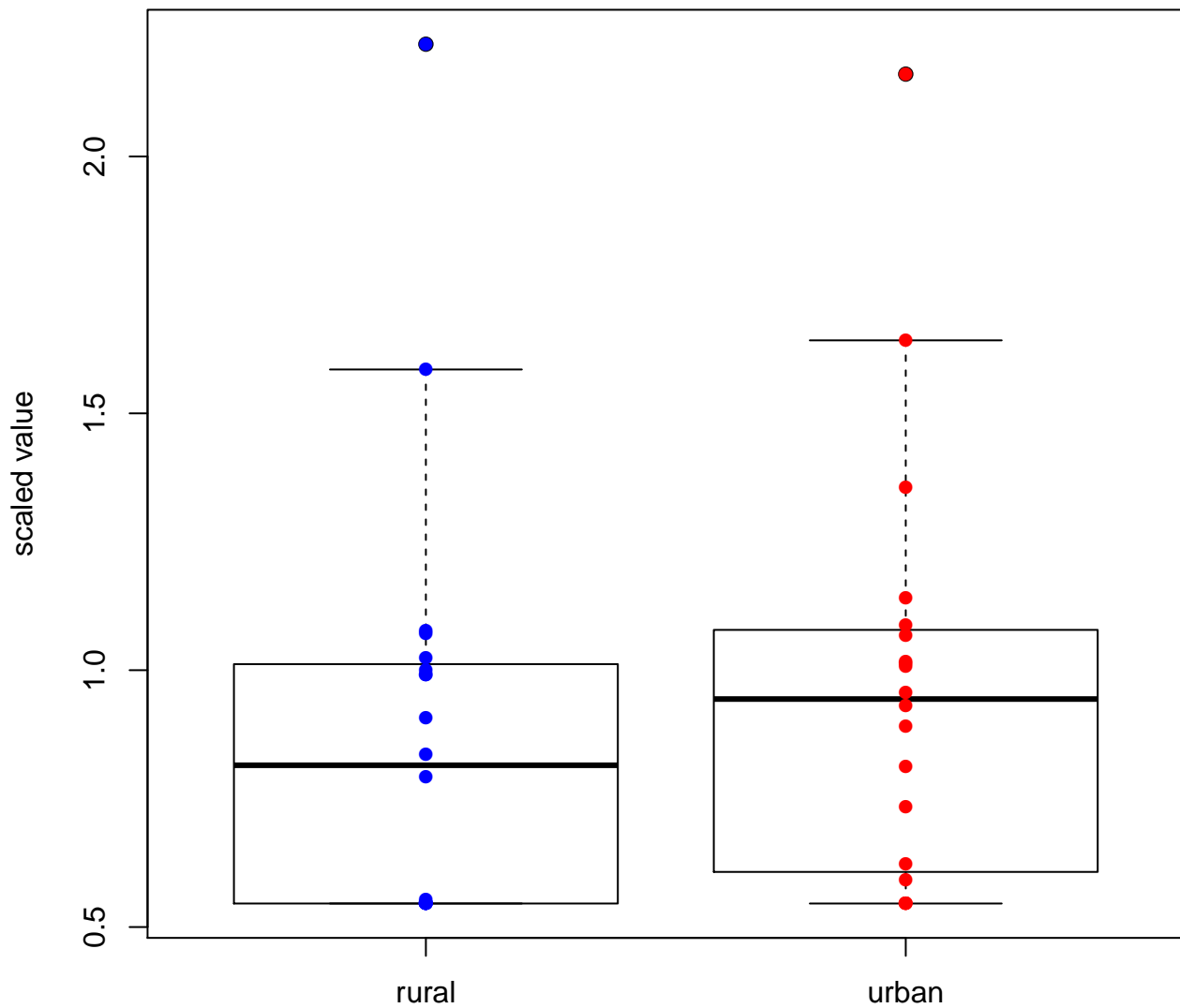




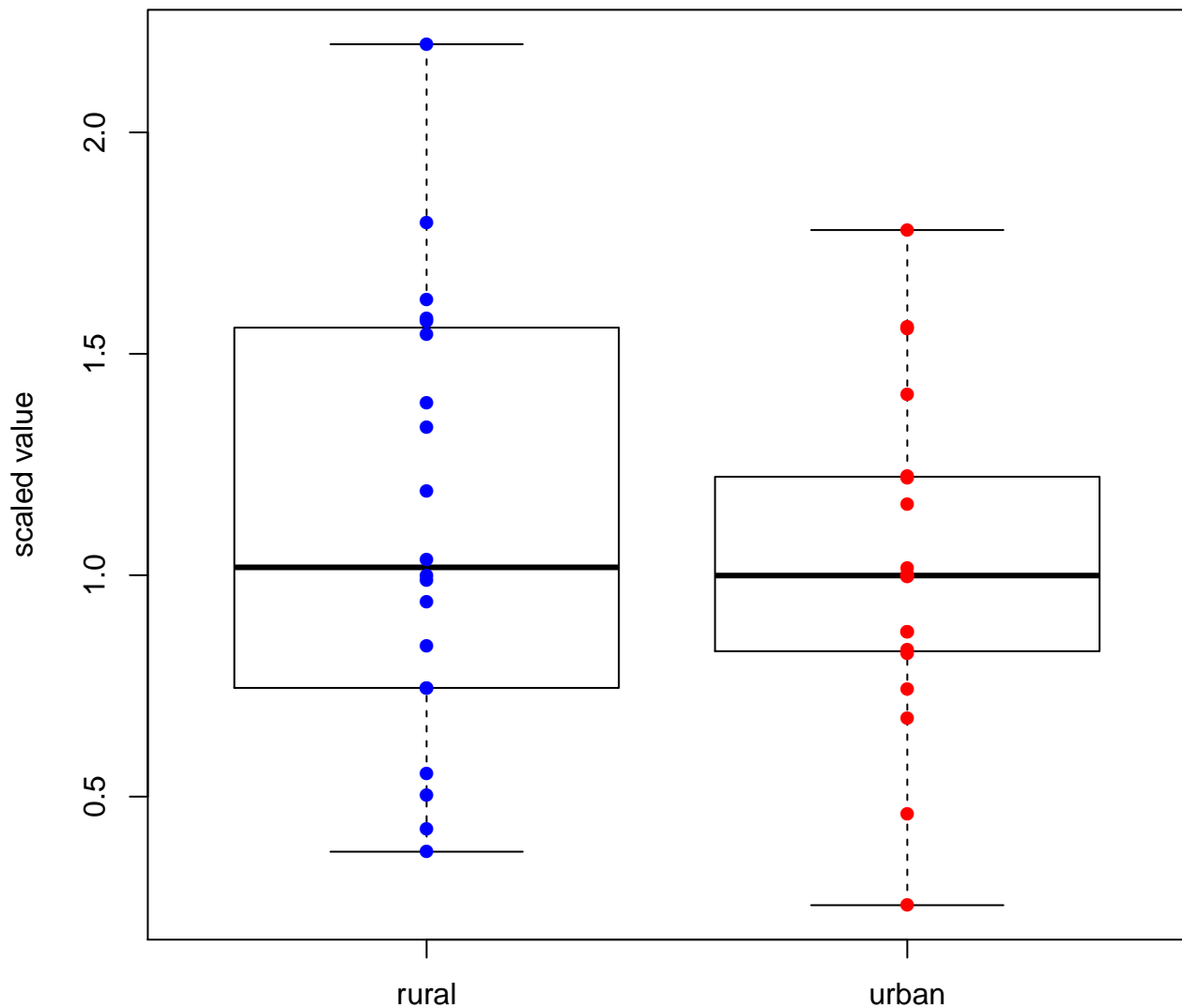
metabolite: phenol sulfate  
pAdjRuralUrban= 0.725



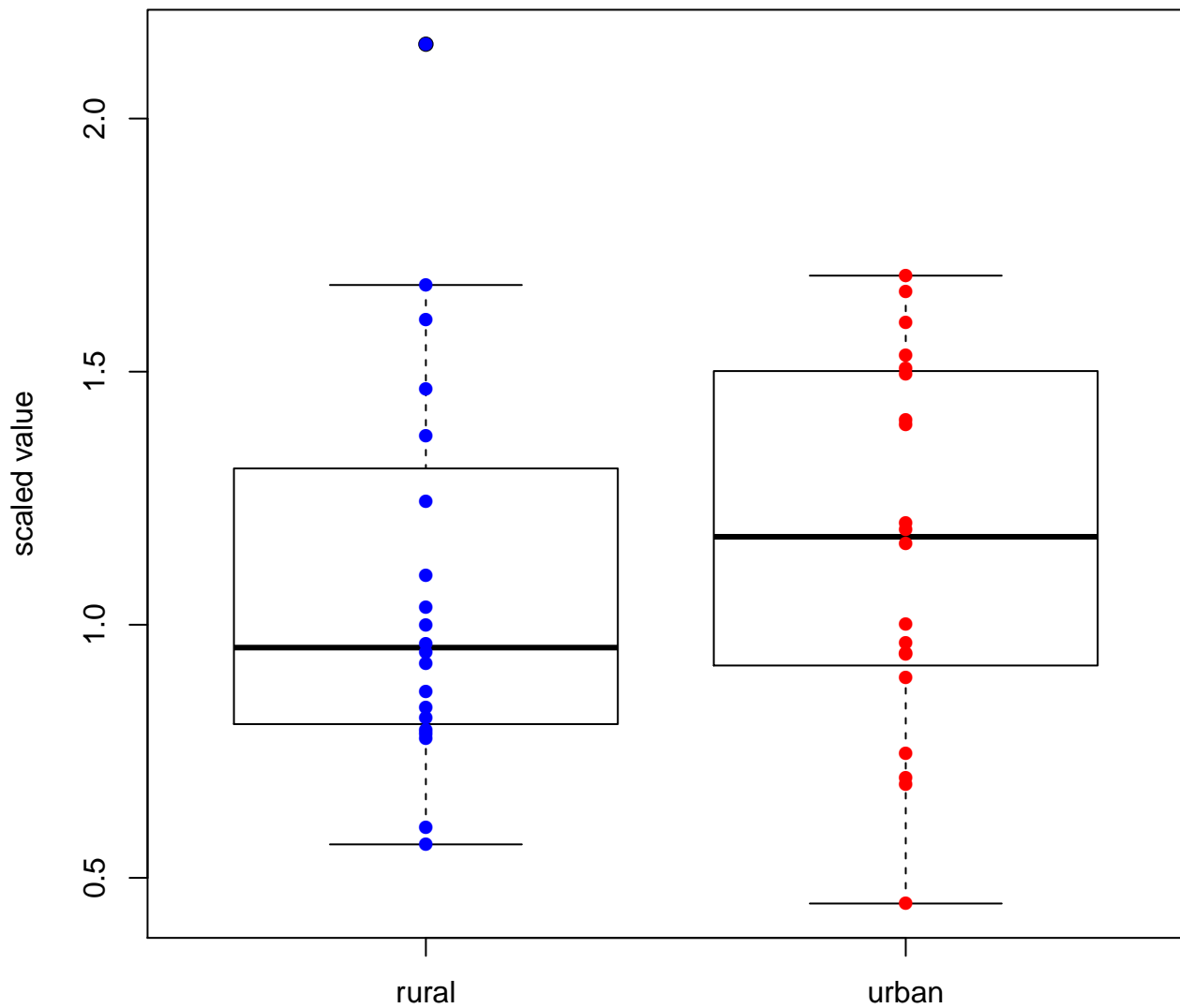
metabolite: 2-hydroxyoctanoate  
pAdjRuralUrban= 0.727



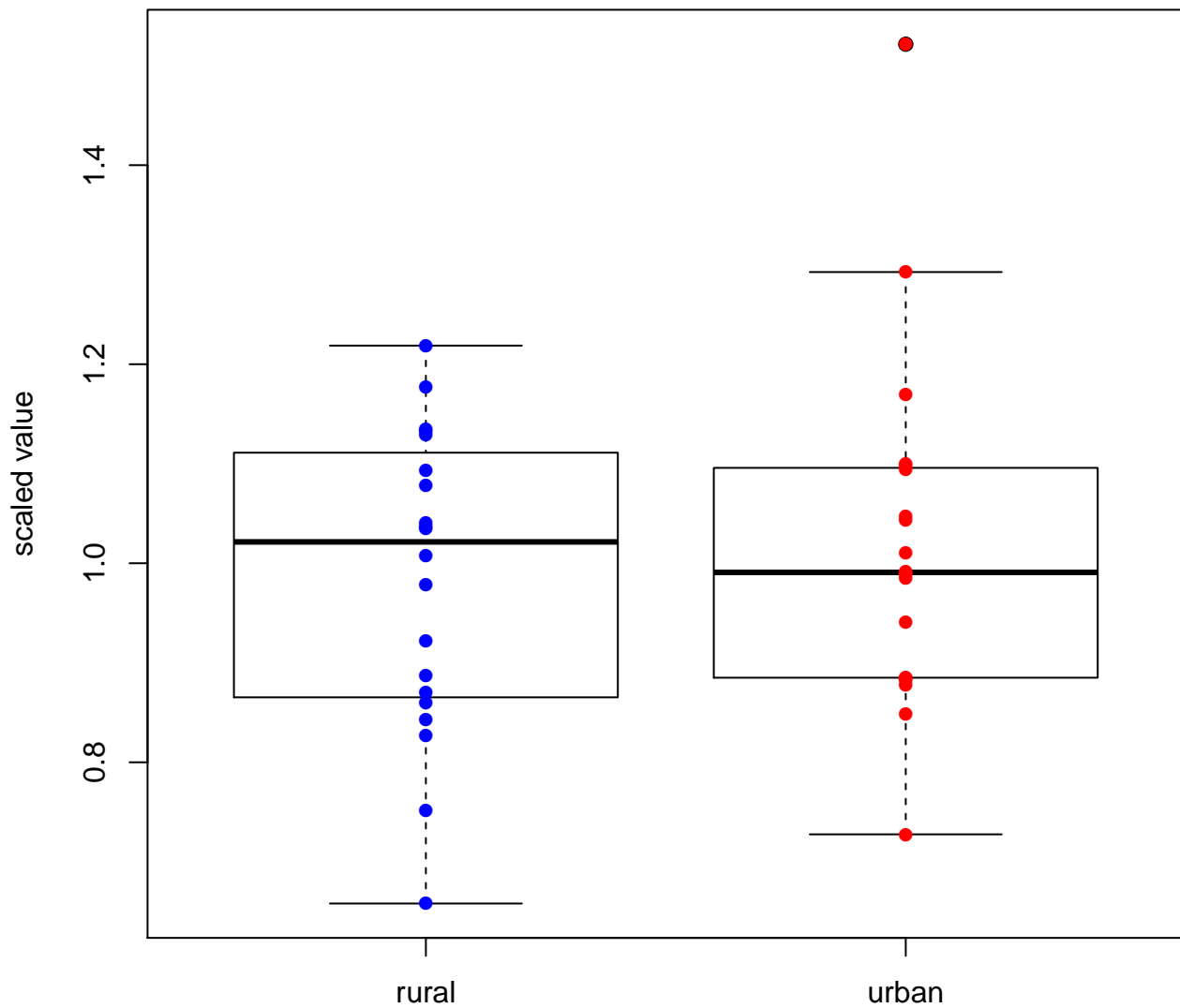
**metabolite: 2-methylbutyrylcarnitine (C5)**  
**pAdjRuralUrban= 0.727**



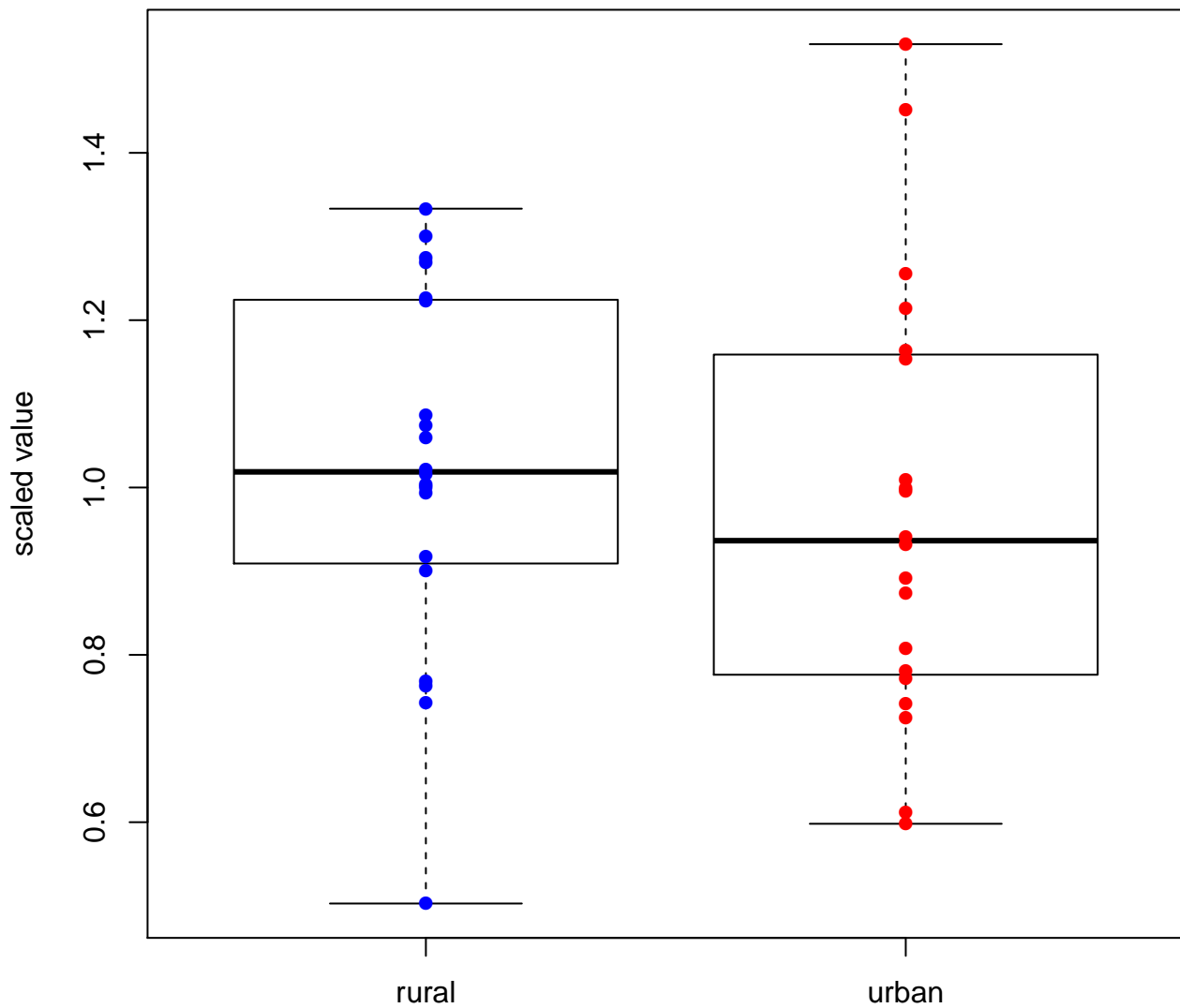
metabolite: arabitol  
pAdjRuralUrban= 0.727



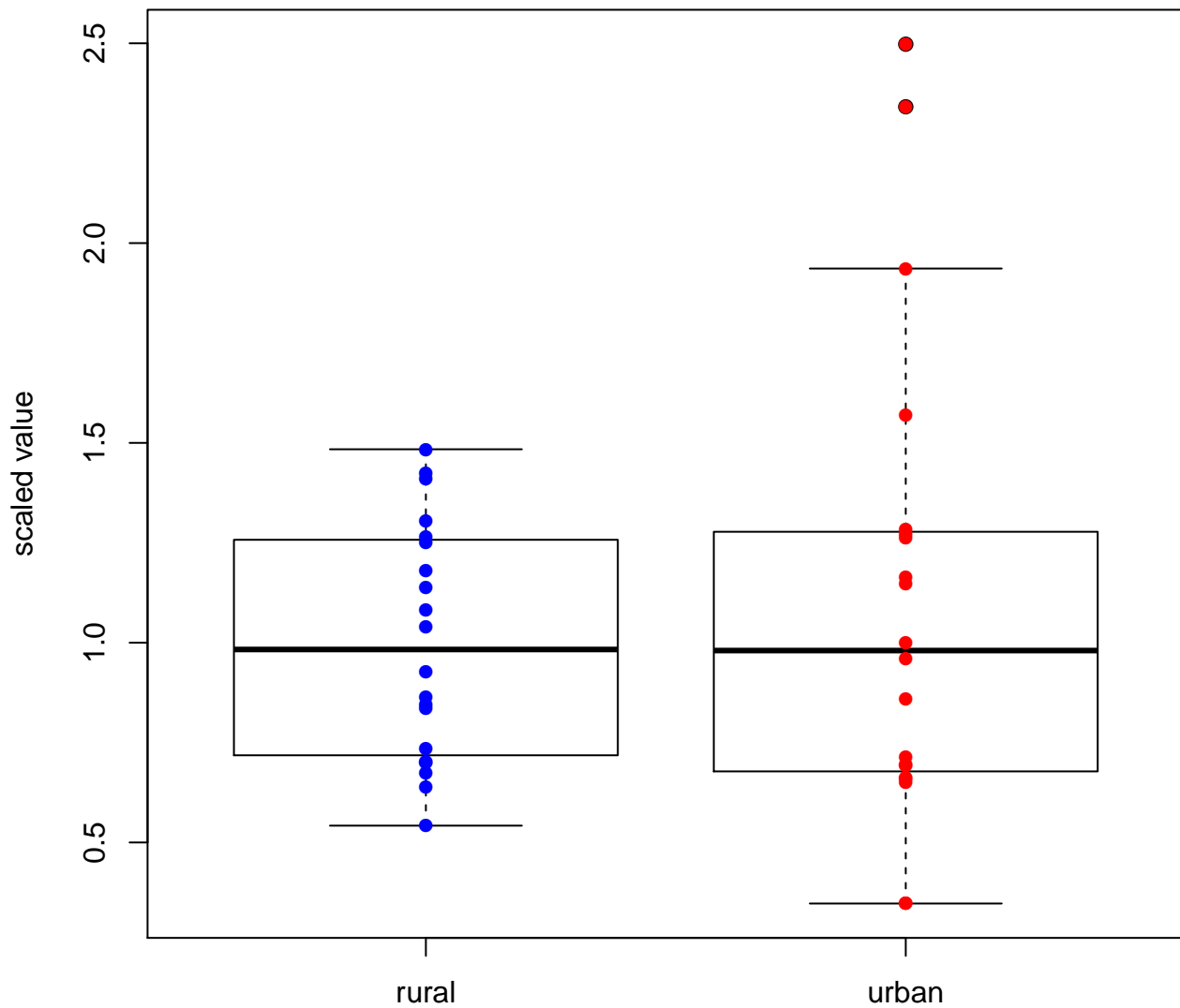
metabolite: choline  
pAdjRuralUrban= 0.727



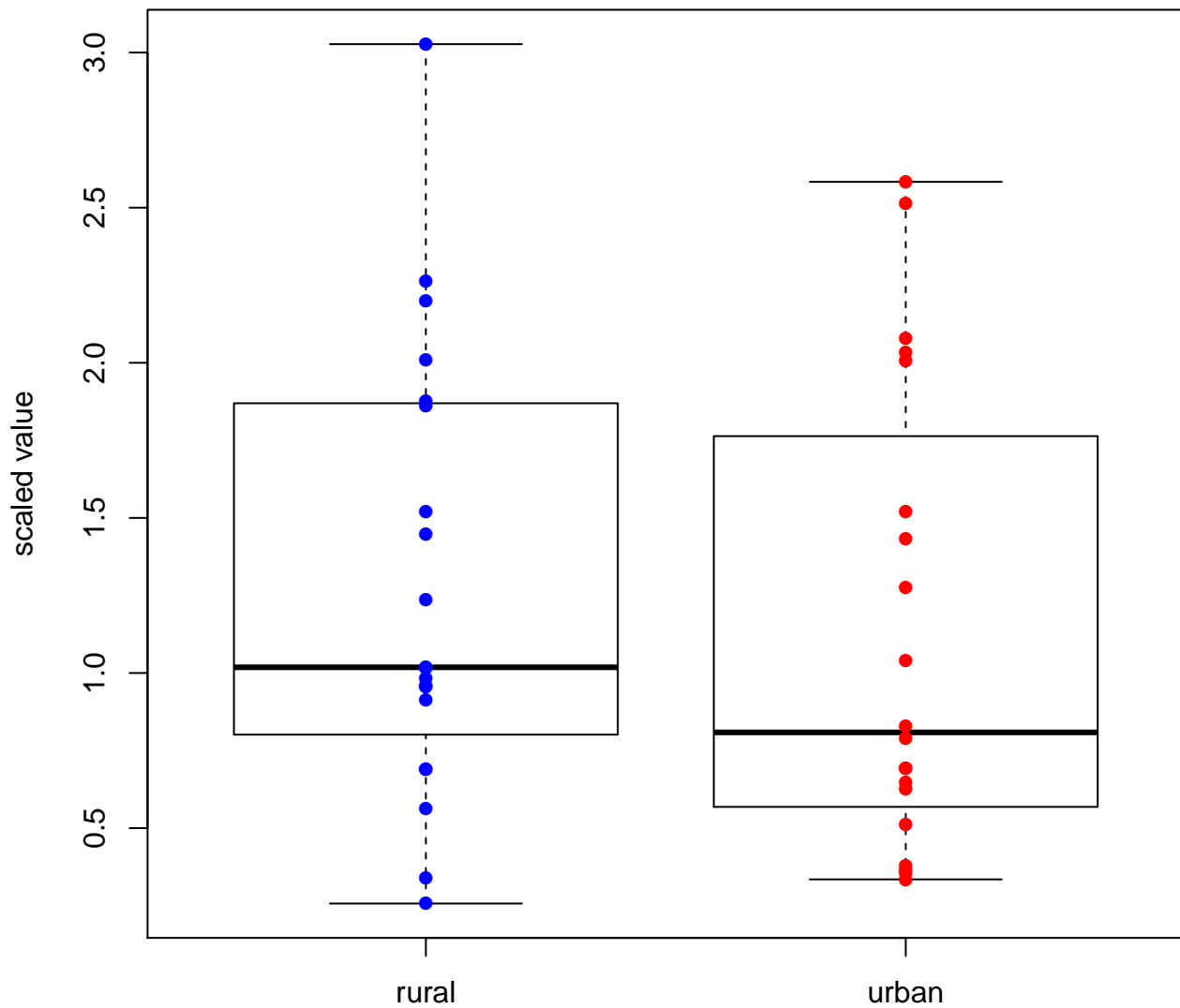
metabolite: glycine  
pAdjRuralUrban= 0.727



metabolite: glycocholate sulfate  
pAdjRuralUrban= 0.727

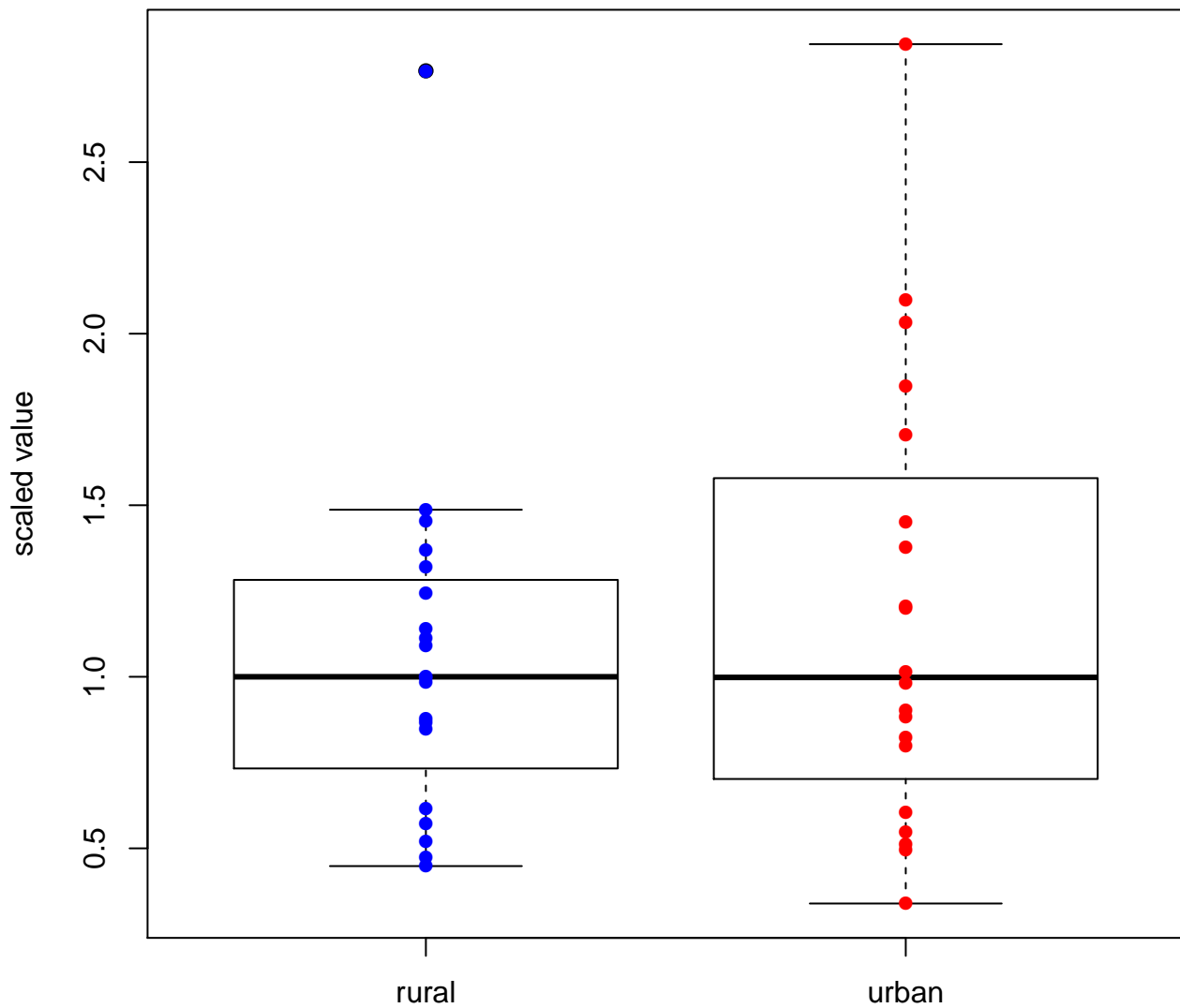


metabolite: pyroglutamine  
pAdjRuralUrban= 0.728



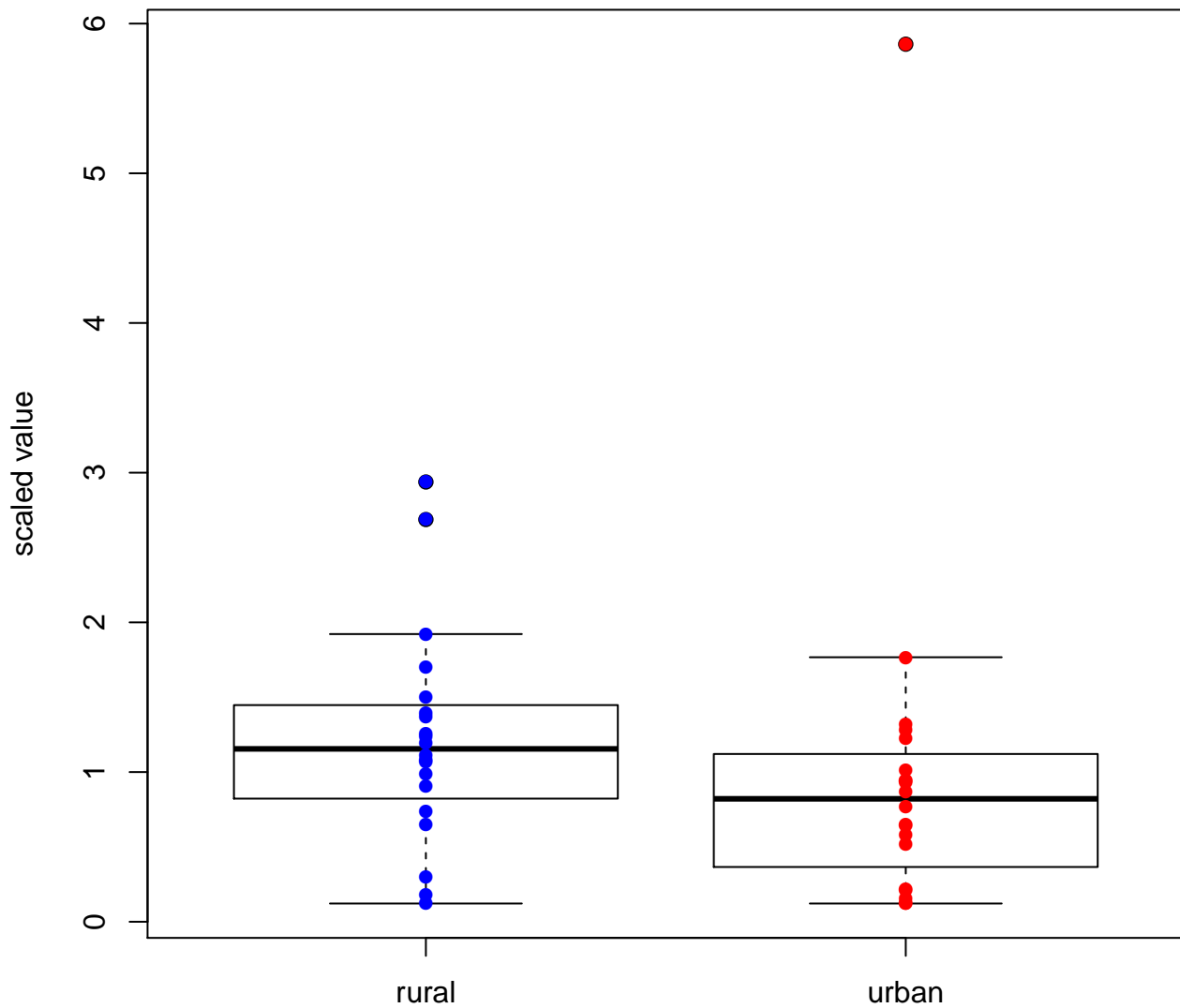


metabolite: creatine  
pAdjRuralUrban= 0.729

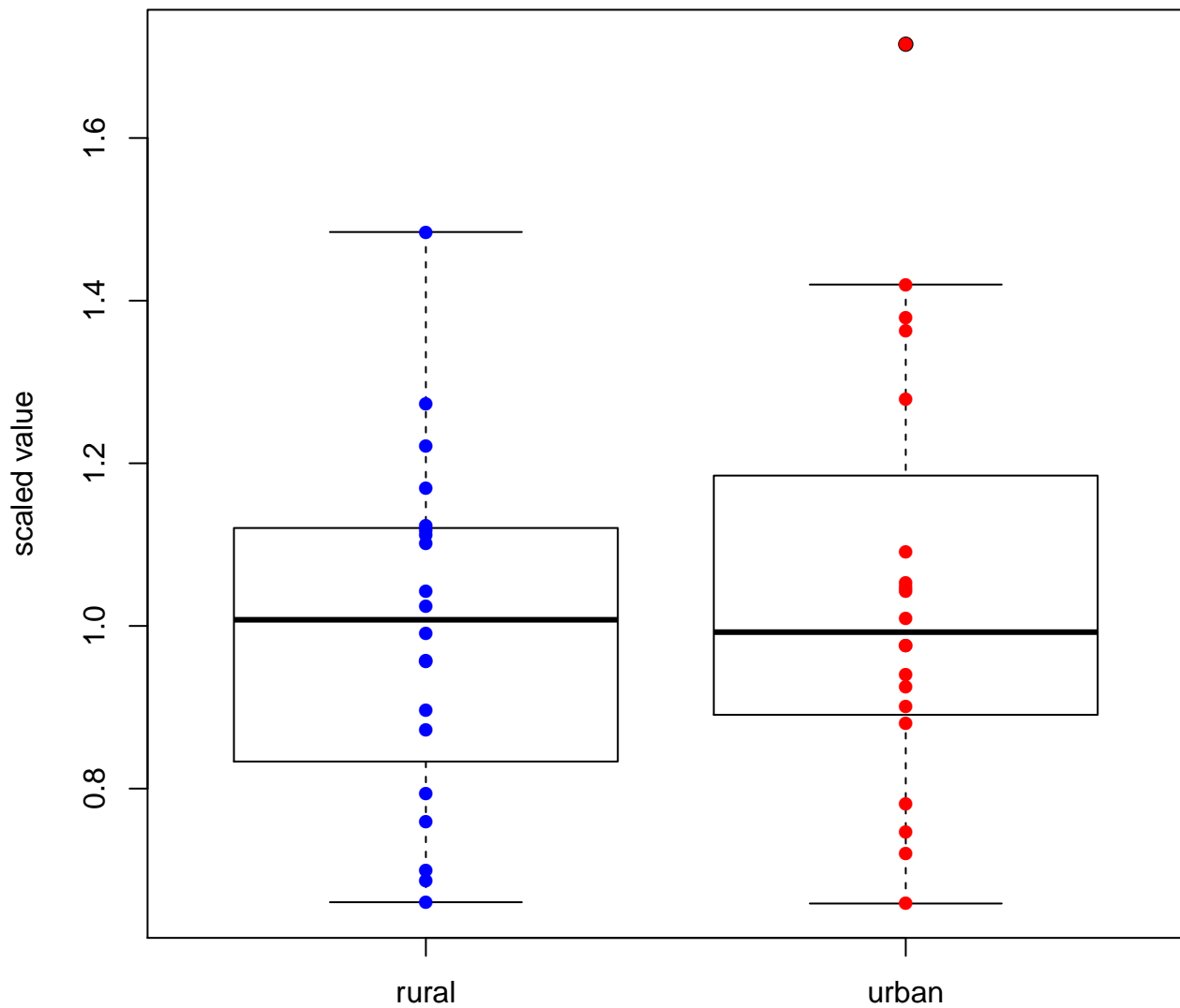


metabolite: ascorbate (Vitamin C)

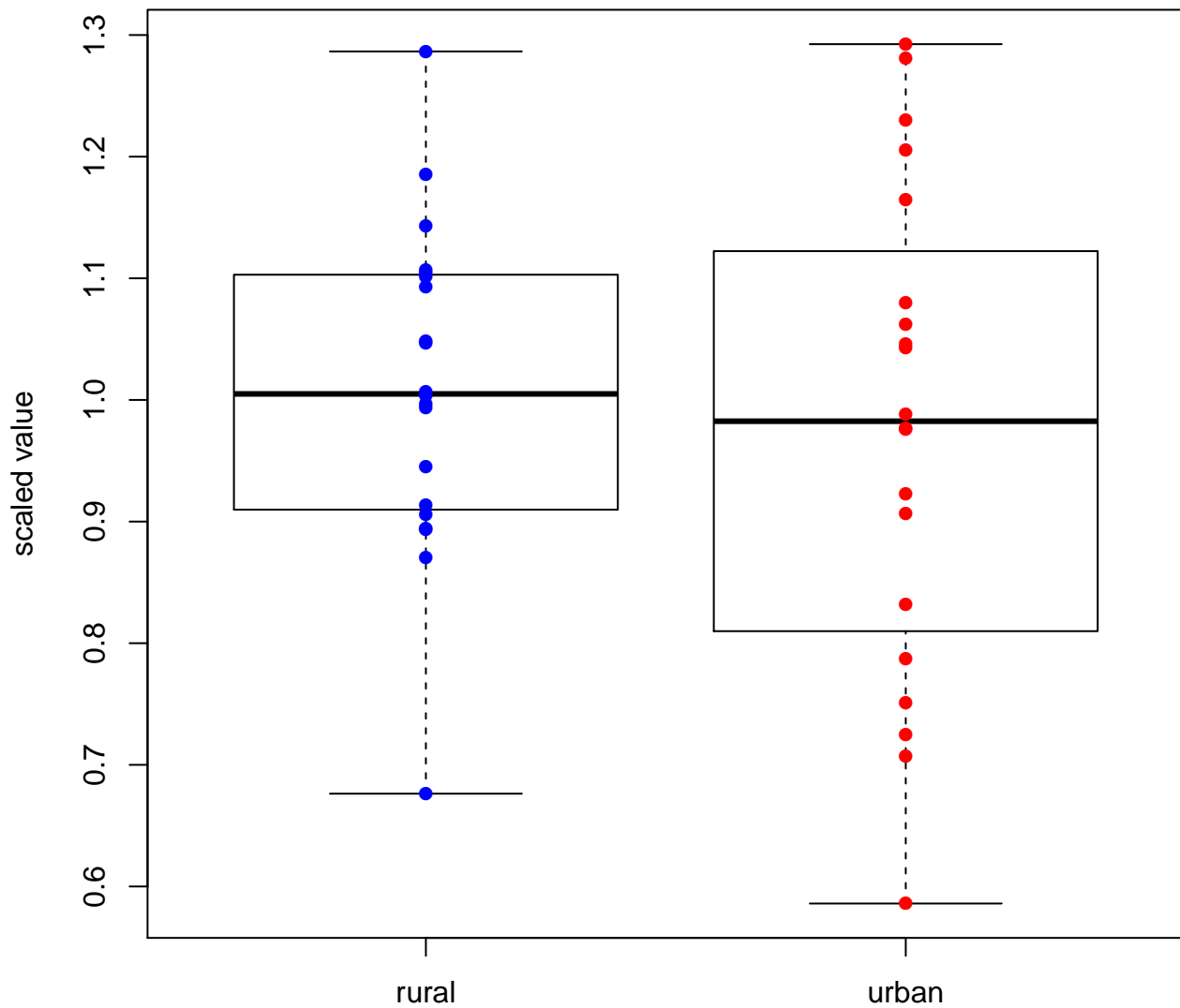
pAdjRuralUrban= 0.733



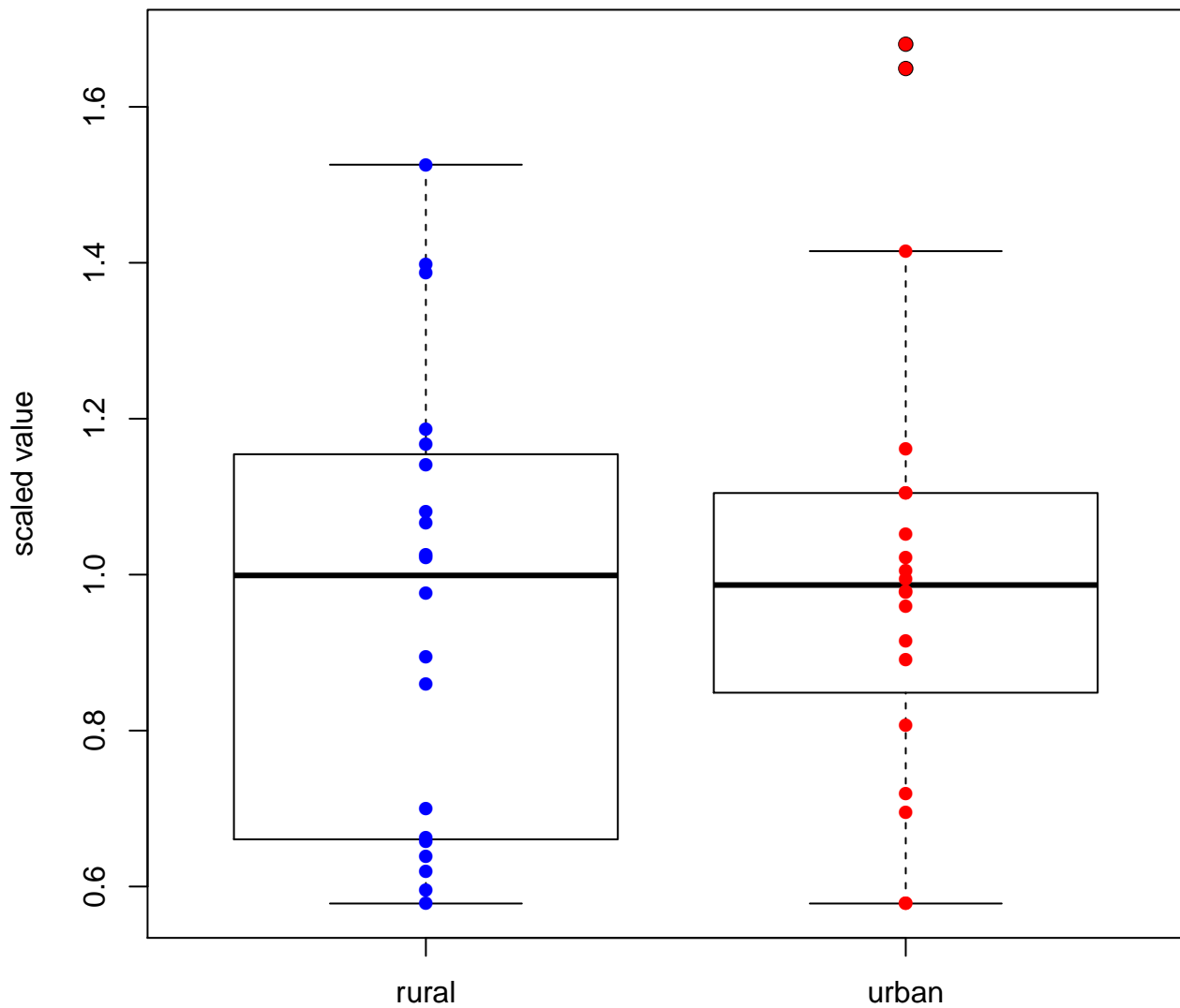
metabolite: urate  
pAdjRuralUrban= 0.76



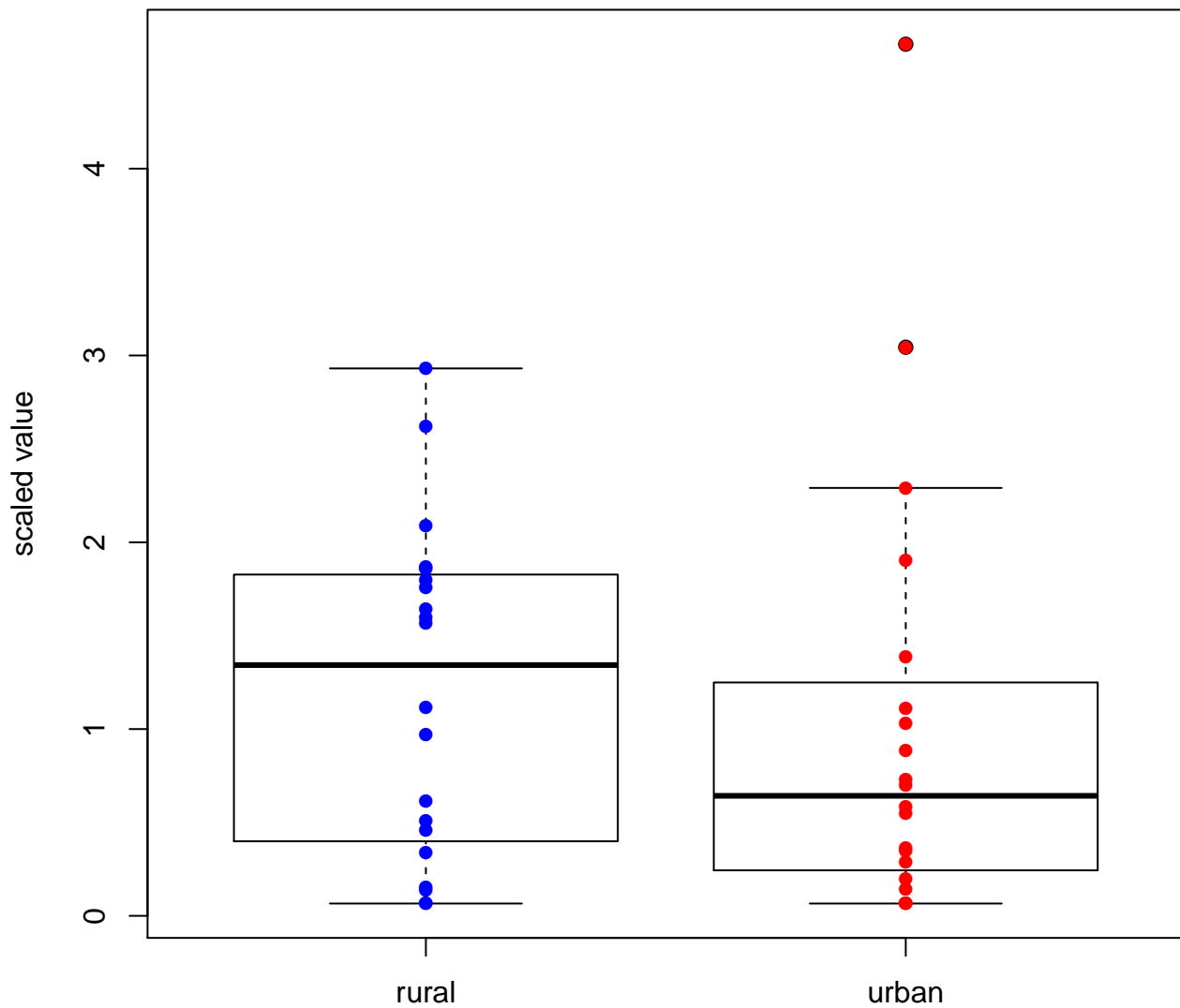
metabolite: cholesterol  
pAdjRuralUrban= 0.782



metabolite: N-formylmethionine  
pAdjRuralUrban= 0.786

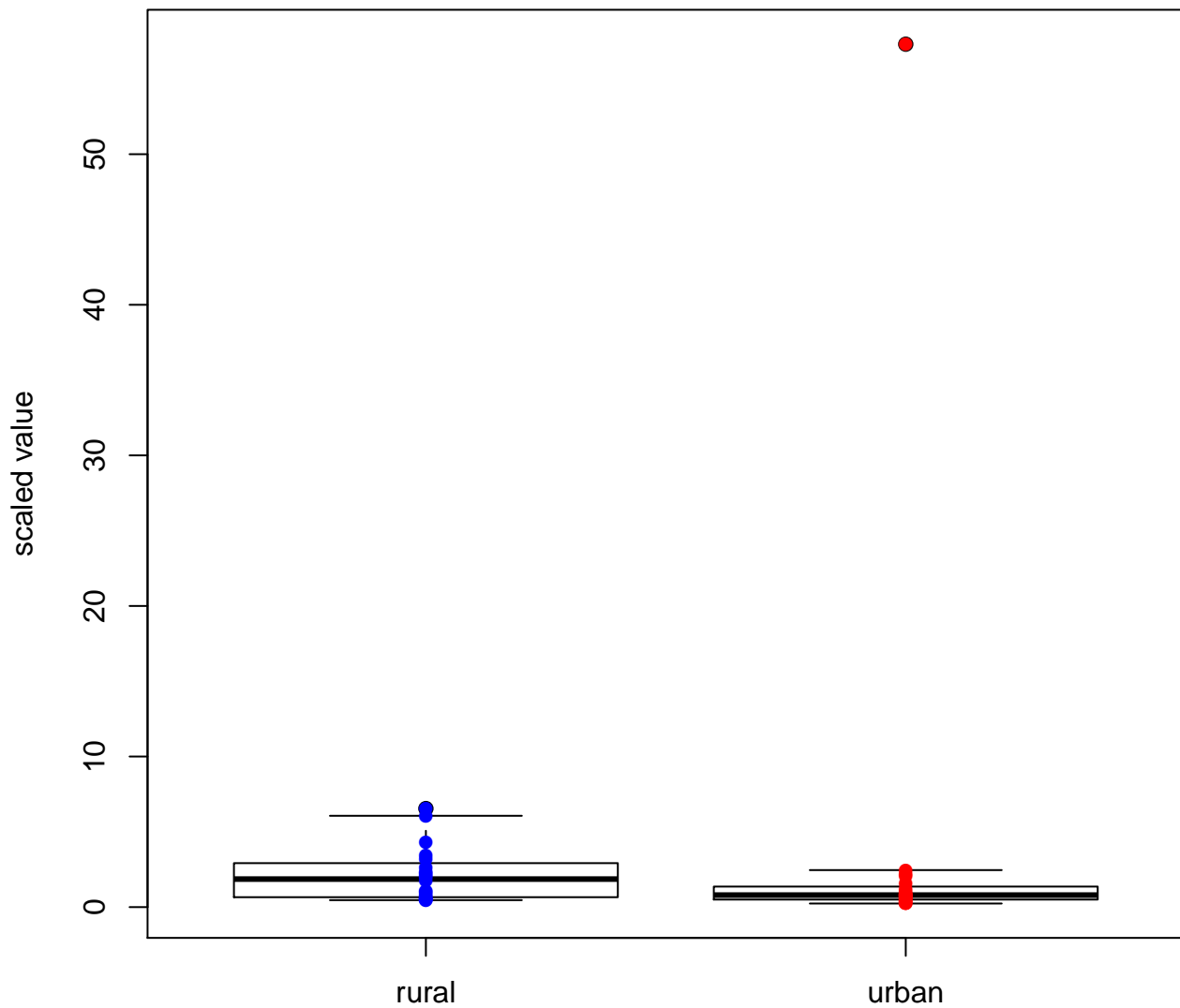


metabolite: glycolithocholate sulfate  
pAdjRuralUrban= 0.797

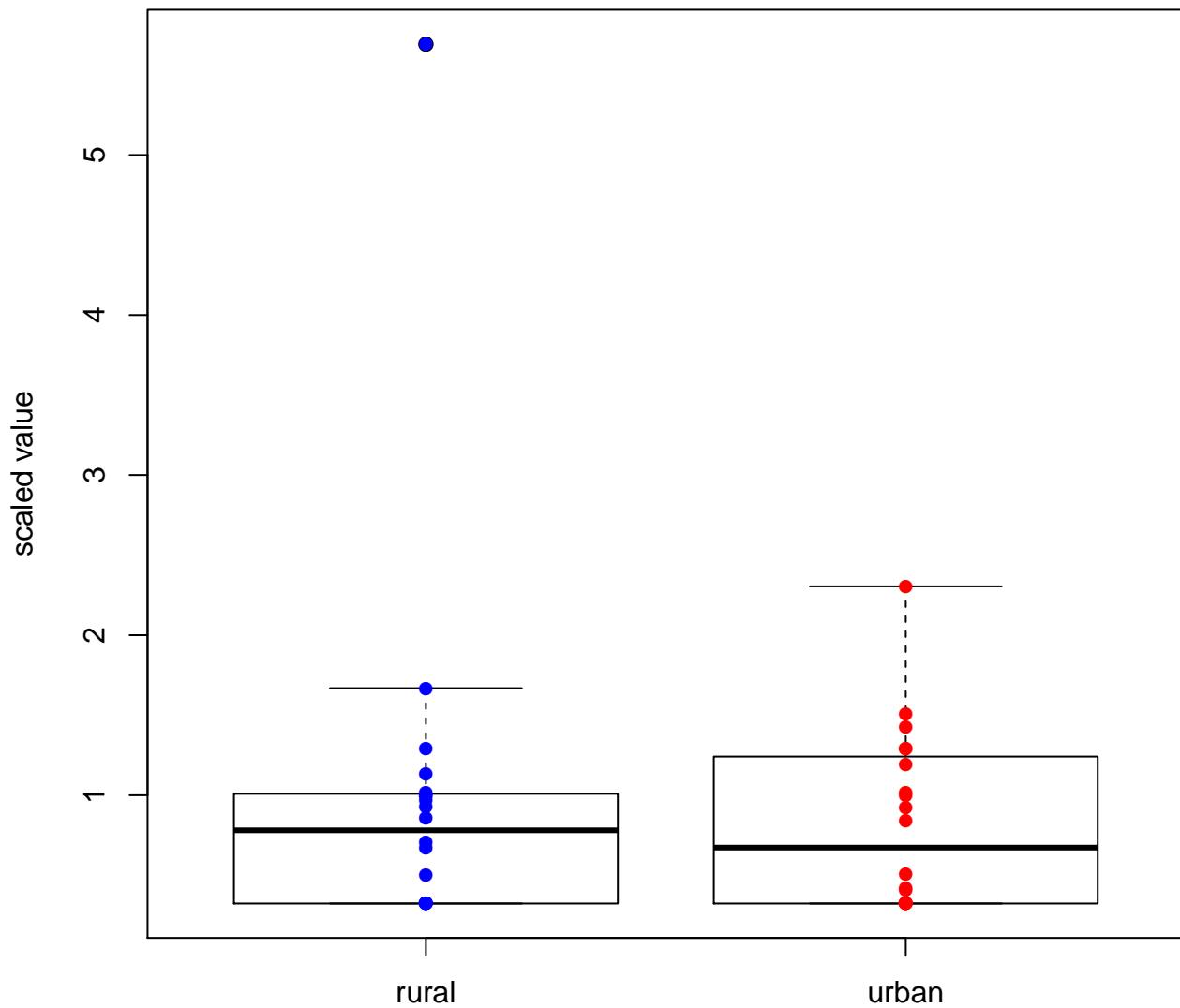


metabolite: indolepropionate

pAdjRuralUrban= 0.797



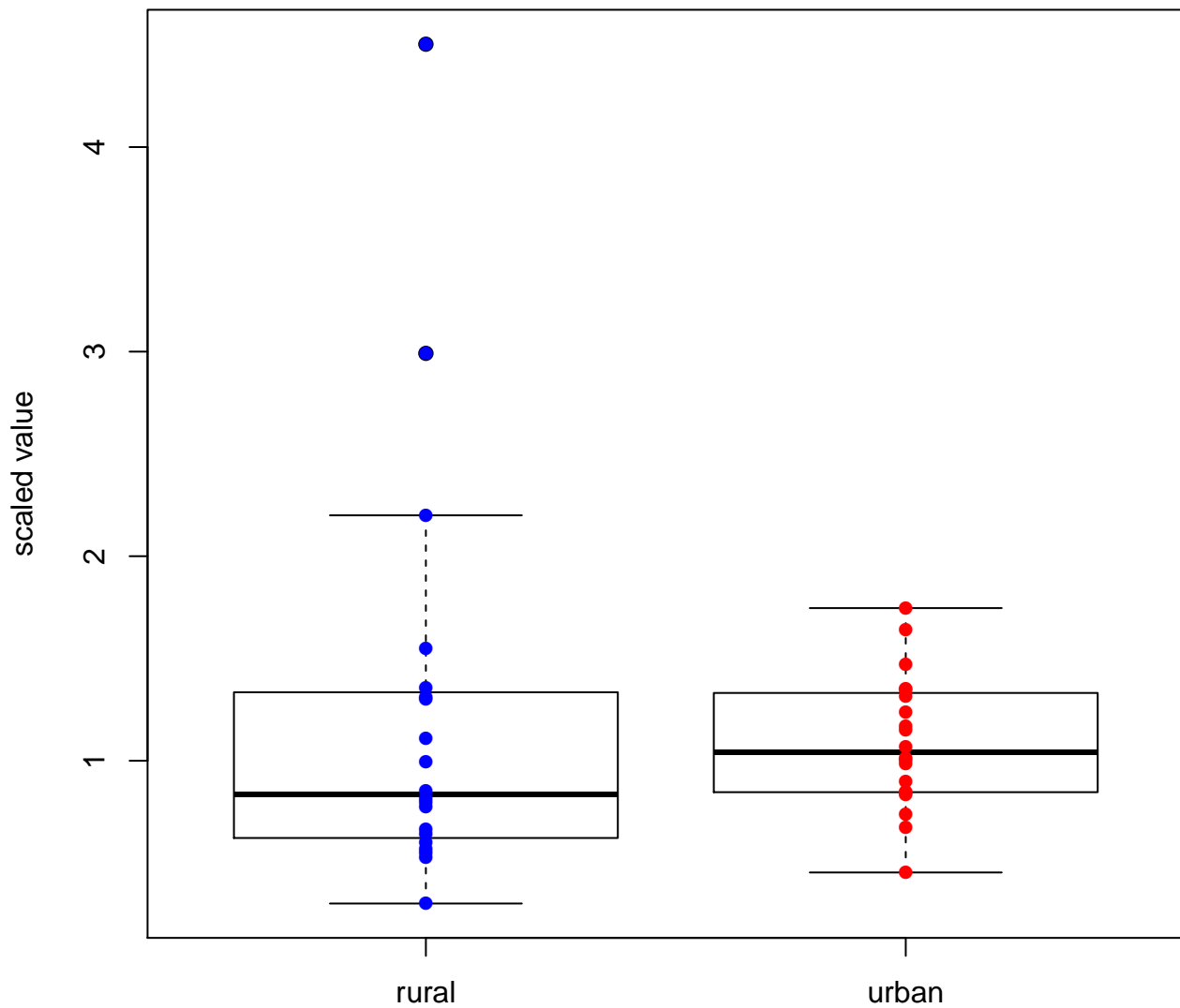
metabolite: piperine  
pAdjRuralUrban= 0.797



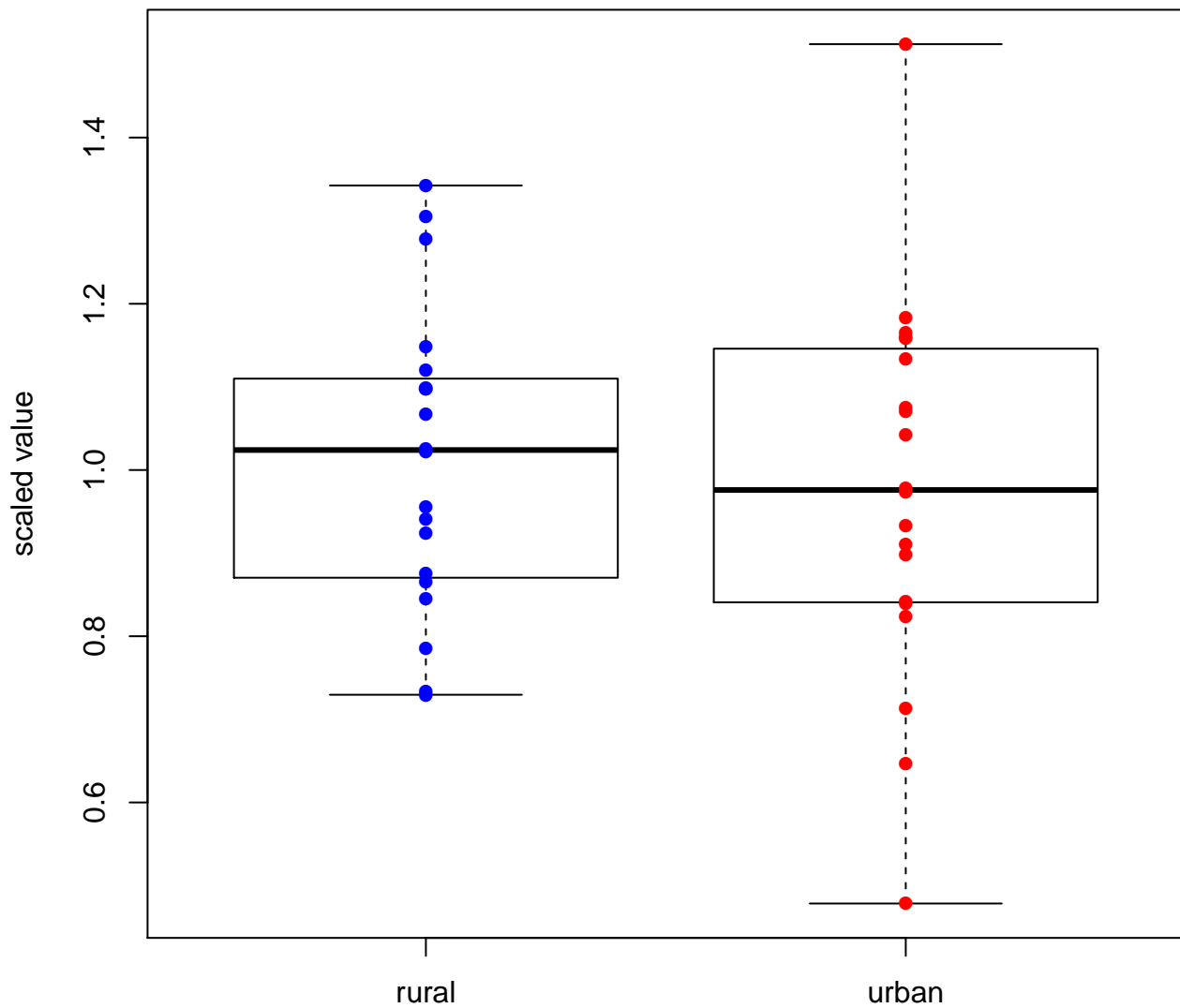


metabolite: 10-undecenoate (11:1n1)

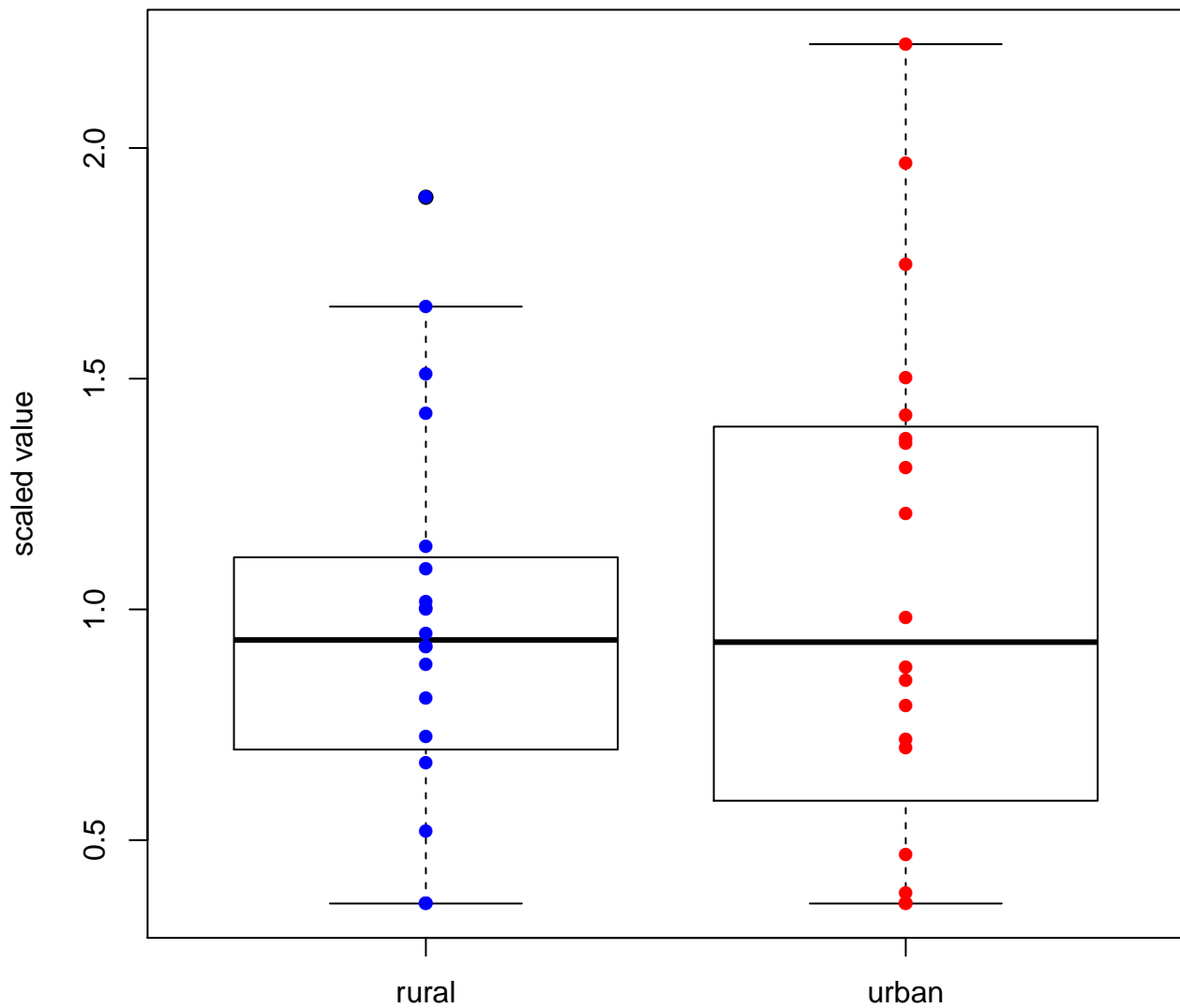
pAdjRuralUrban= 0.797



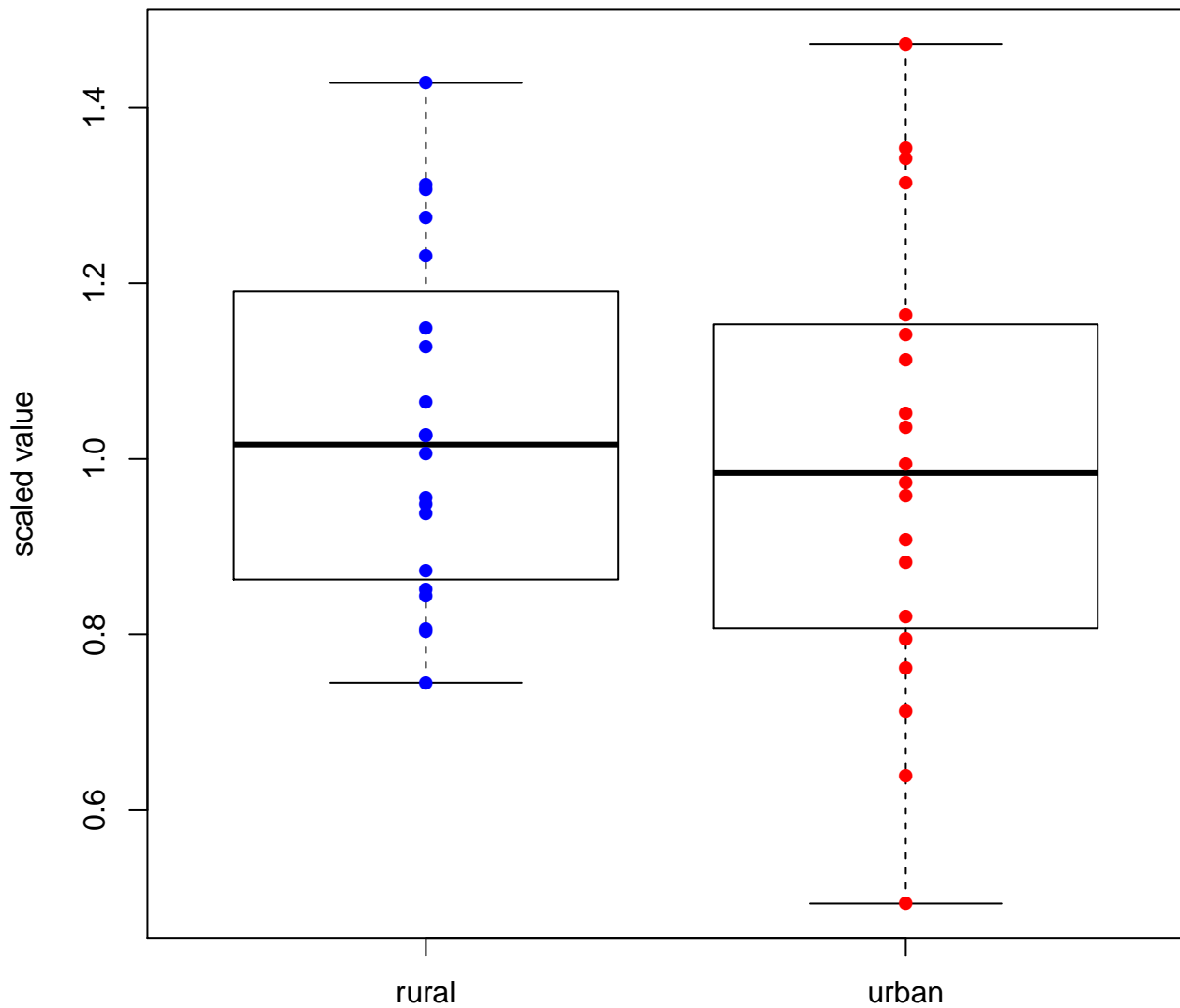
metabolite: pseudouridine  
pAdjRuralUrban= 0.797



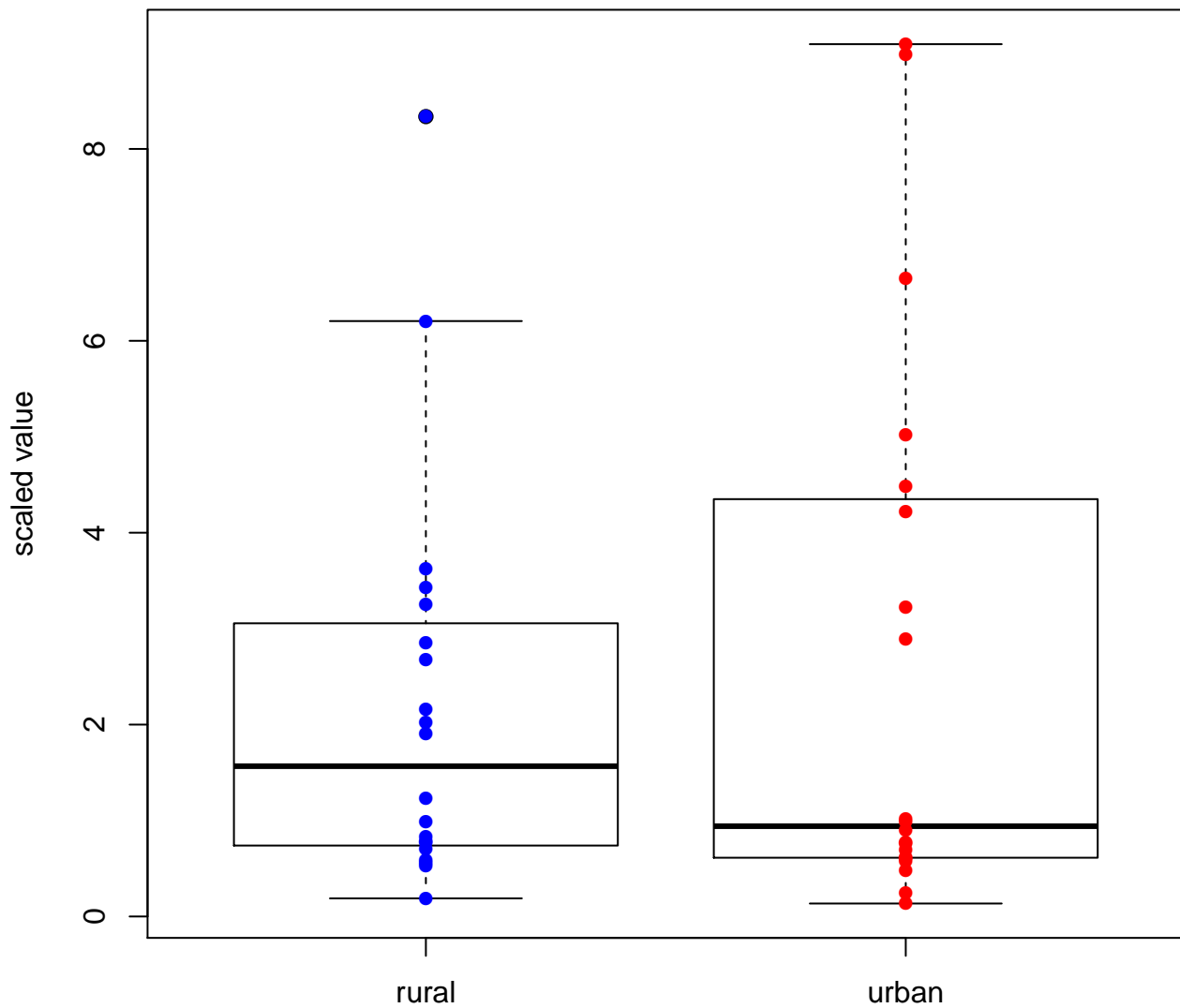
metabolite: sorbitol  
pAdjRuralUrban= 0.797



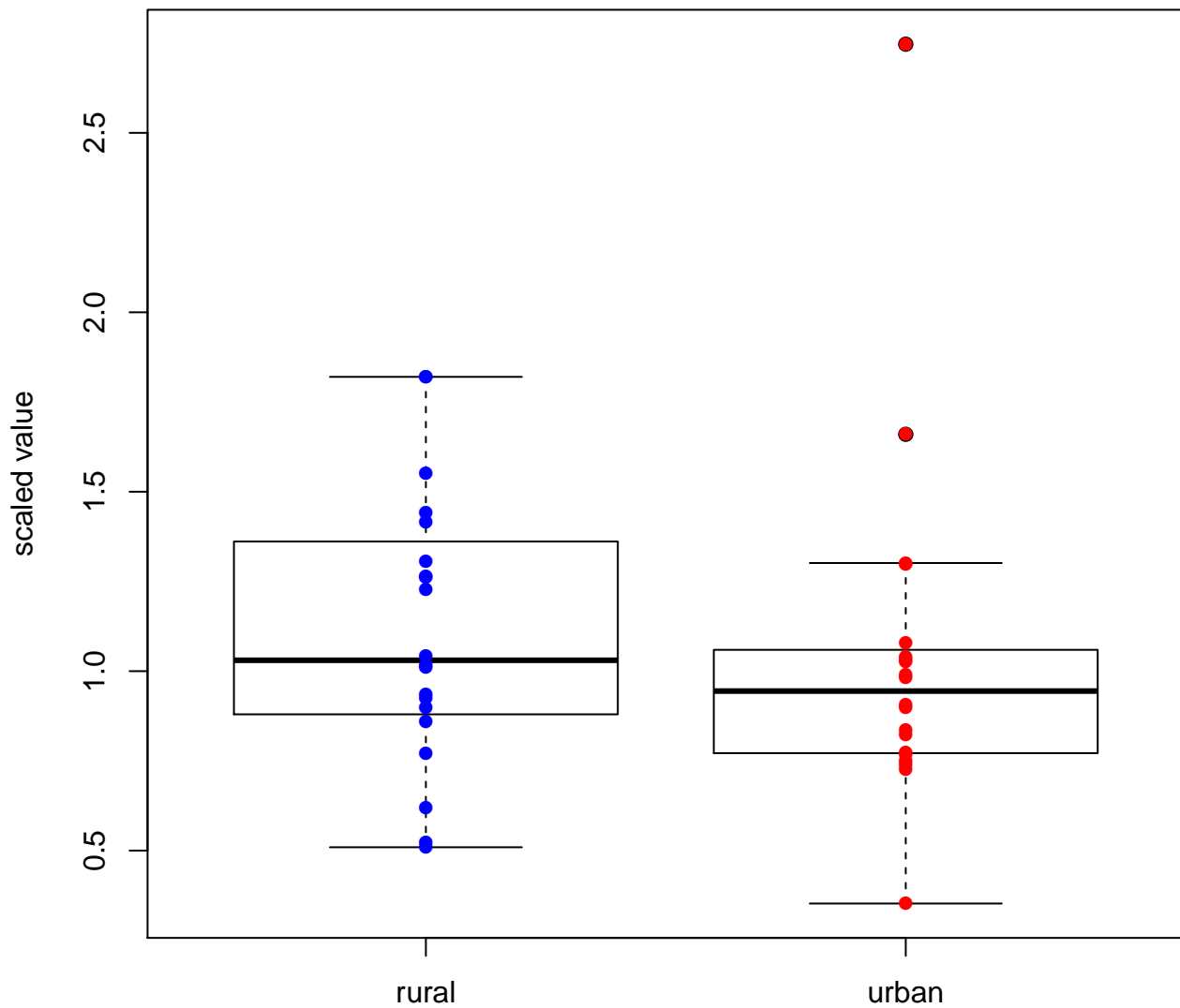
metabolite: lysine  
pAdjRuralUrban= 0.801



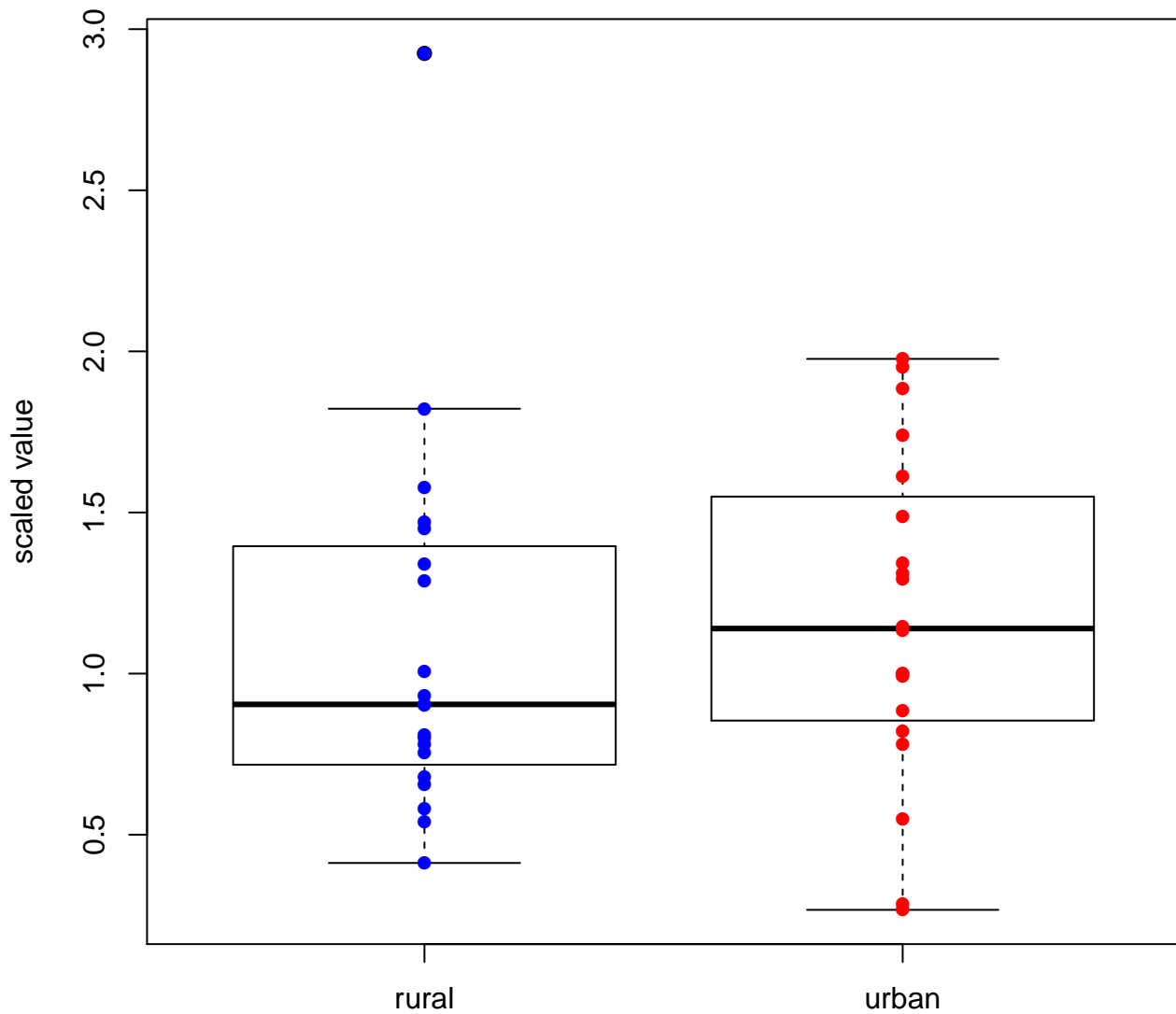
metabolite: p-cresol sulfate  
pAdjRuralUrban= 0.801



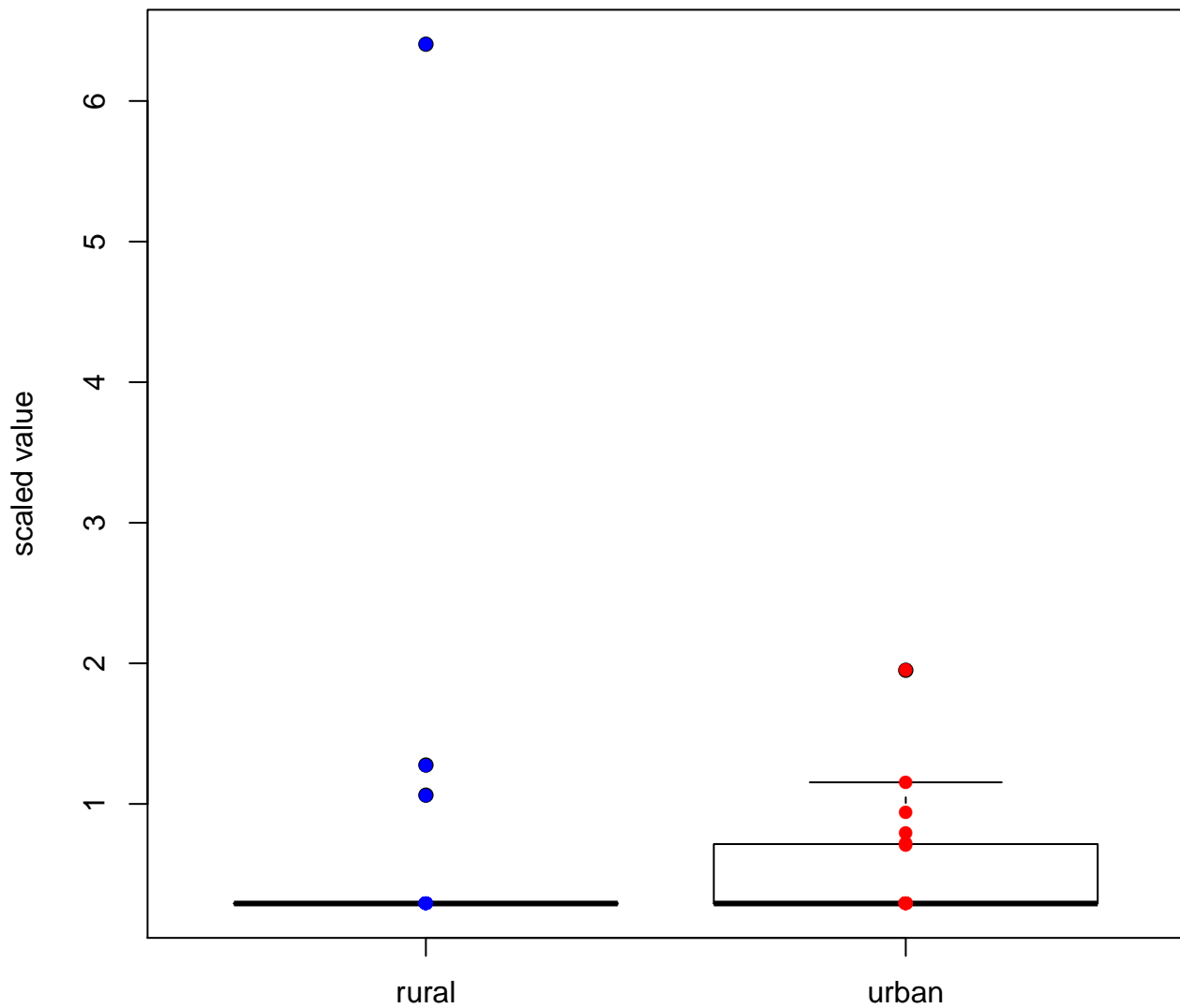
metabolite: indolelactate  
pAdjRuralUrban= 0.805



metabolite: gamma-tocopherol  
pAdjRuralUrban= 0.81

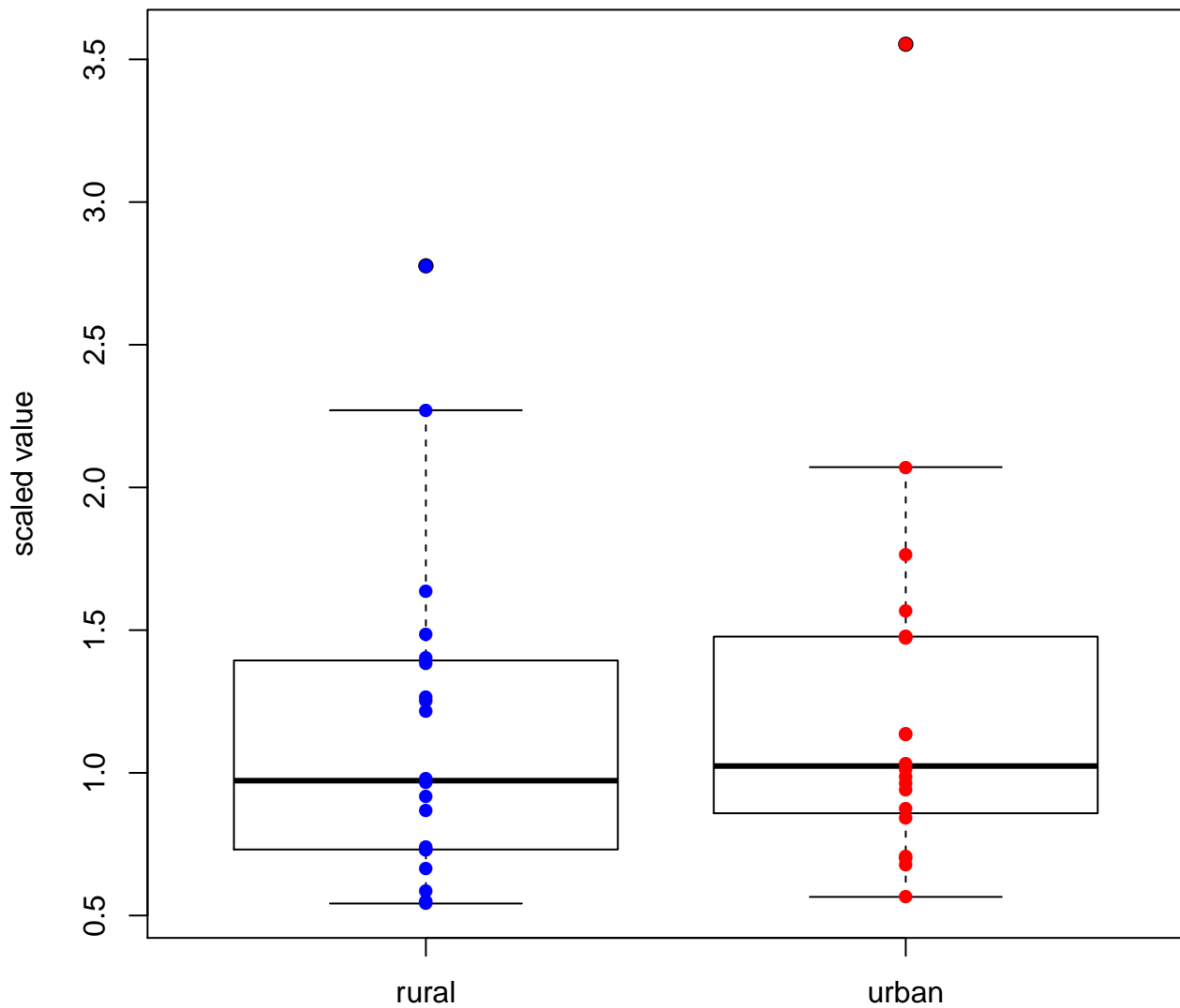


metabolite: 5alpha-pregnan-3alpha,20beta-diol disulfate 1  
pAdjRuralUrban= 0.815

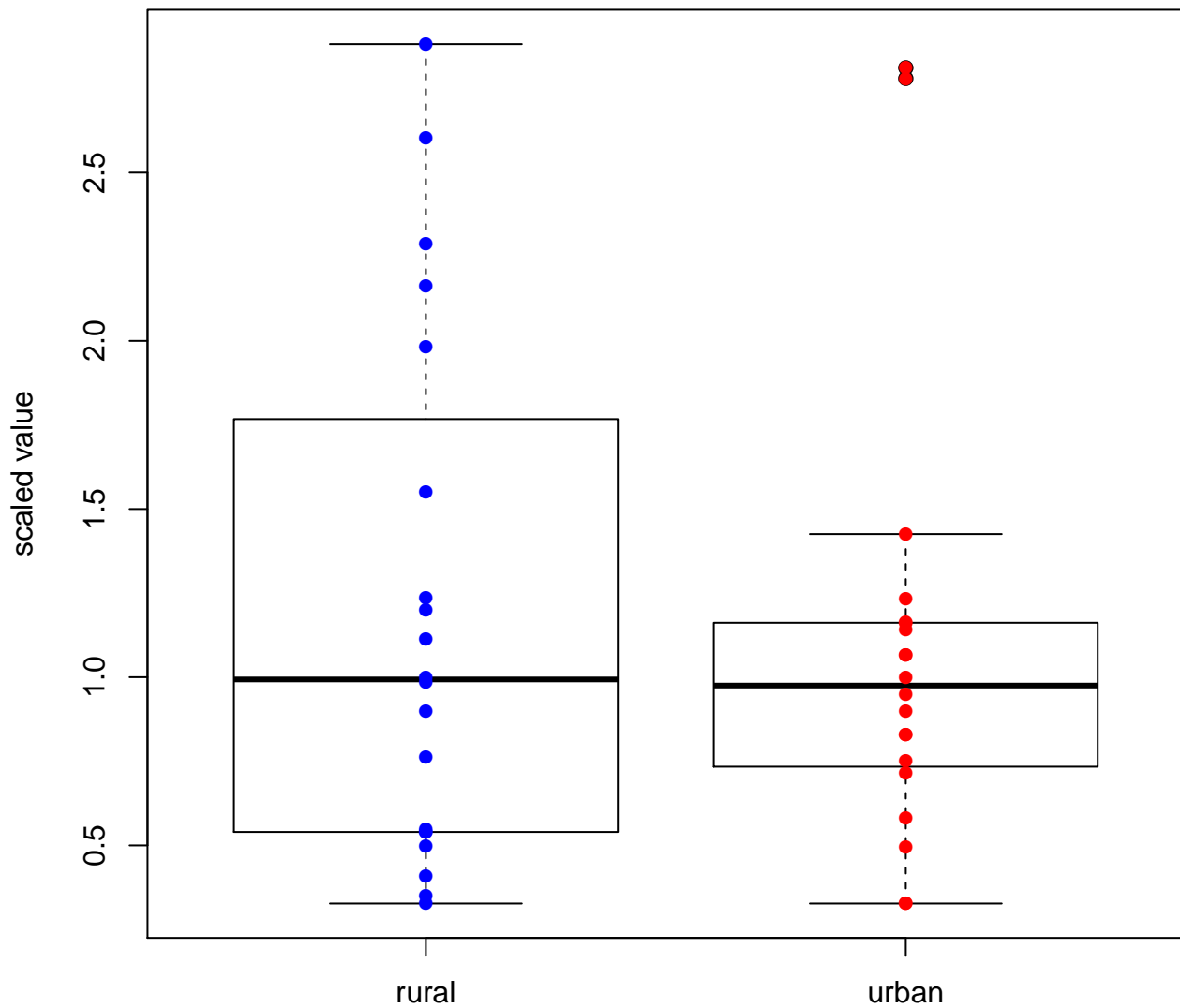




metabolite: indoleacetate  
pAdjRuralUrban= 0.825

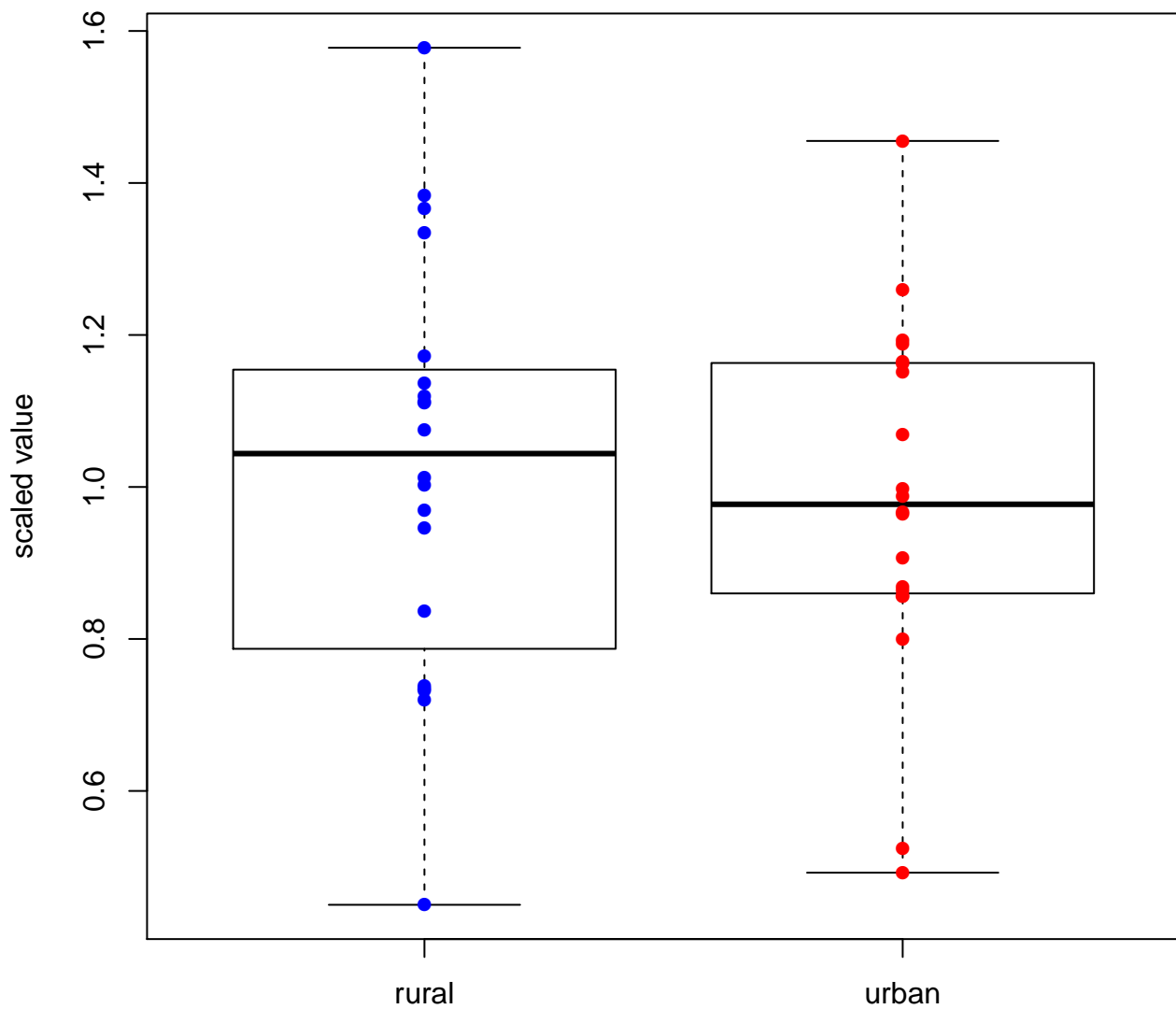


metabolite: N-methylpipecolate  
pAdjRuralUrban= 0.825

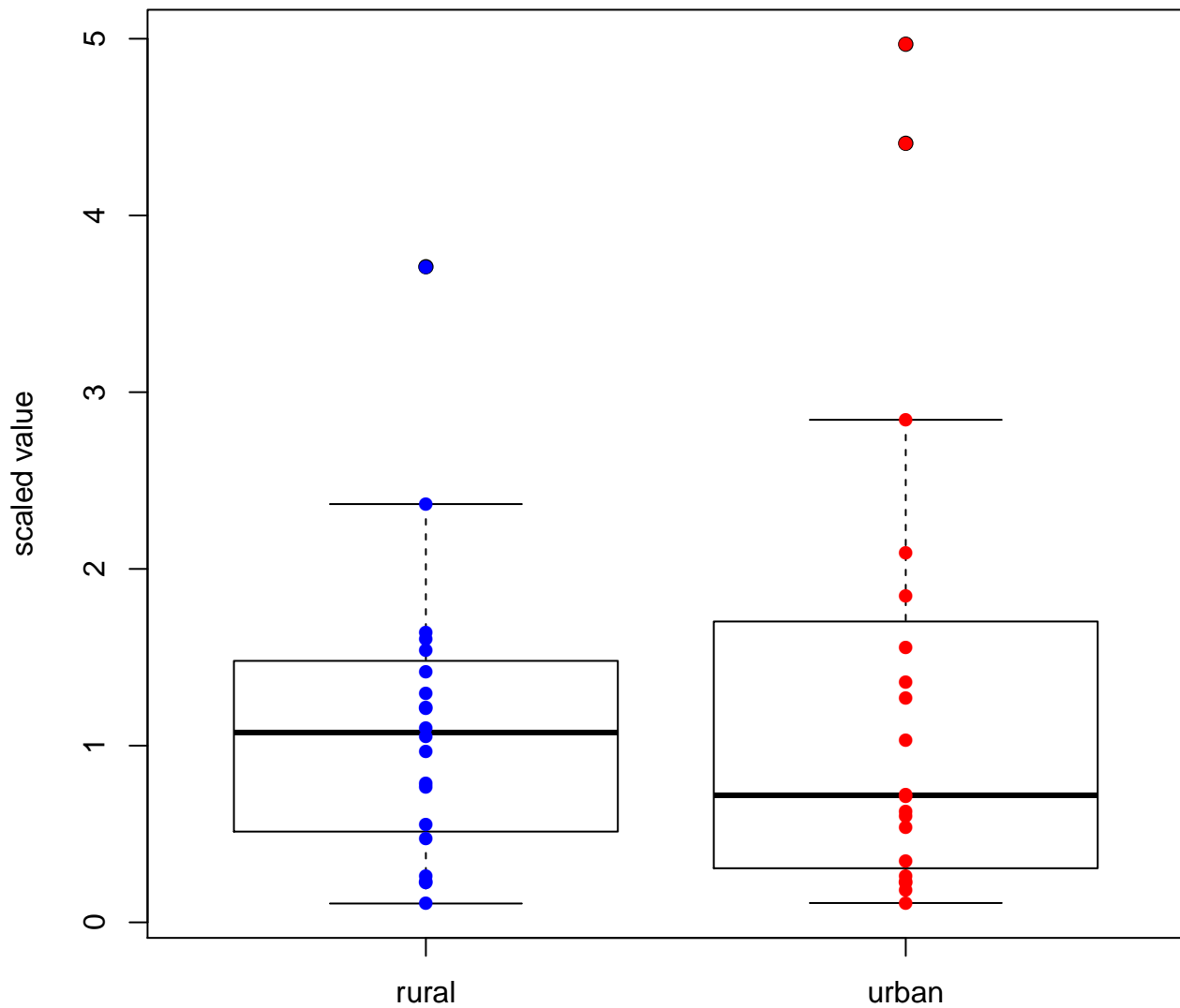


metabolite: arachidonate (20:4n6)

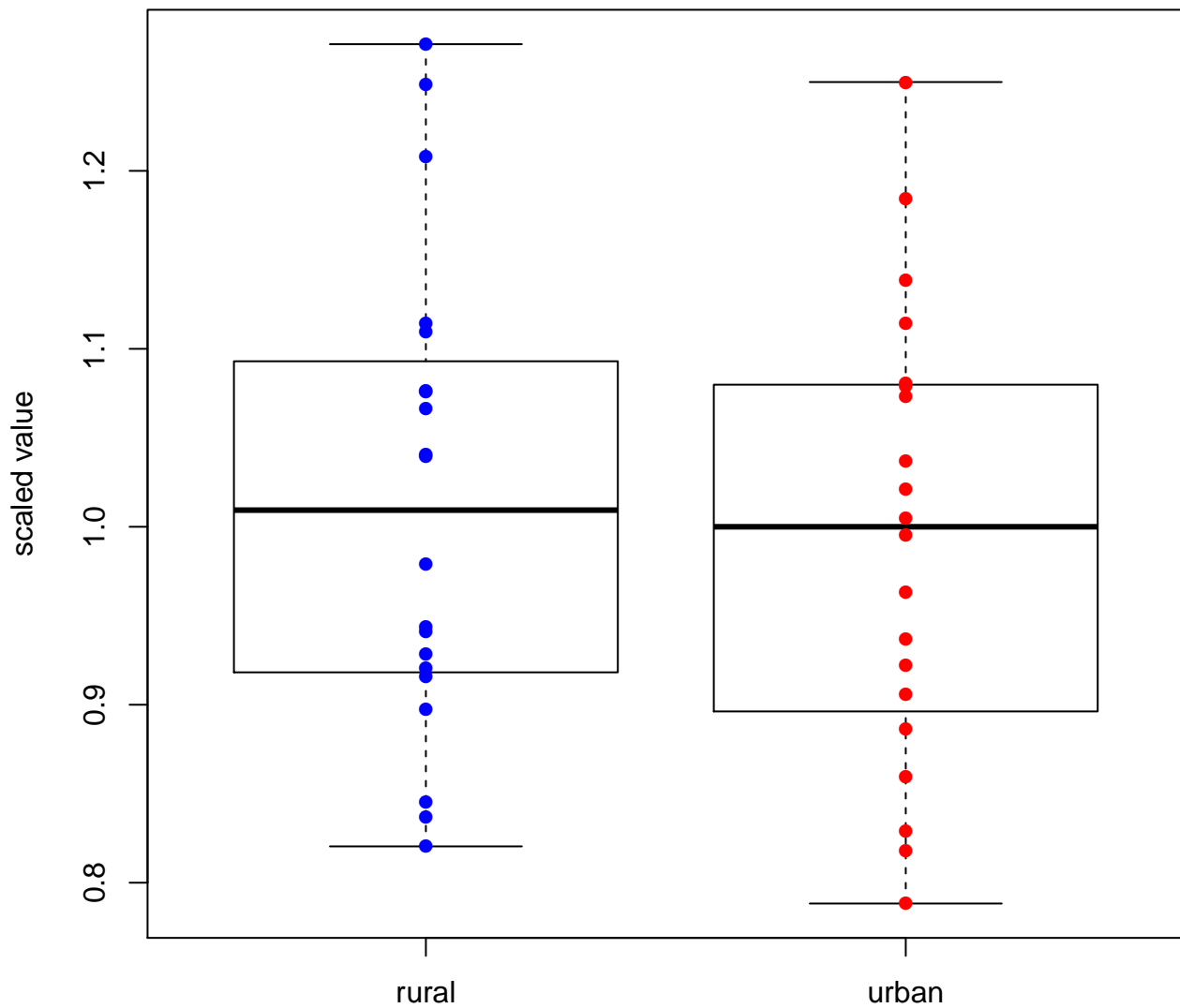
pAdjRuralUrban= 0.826



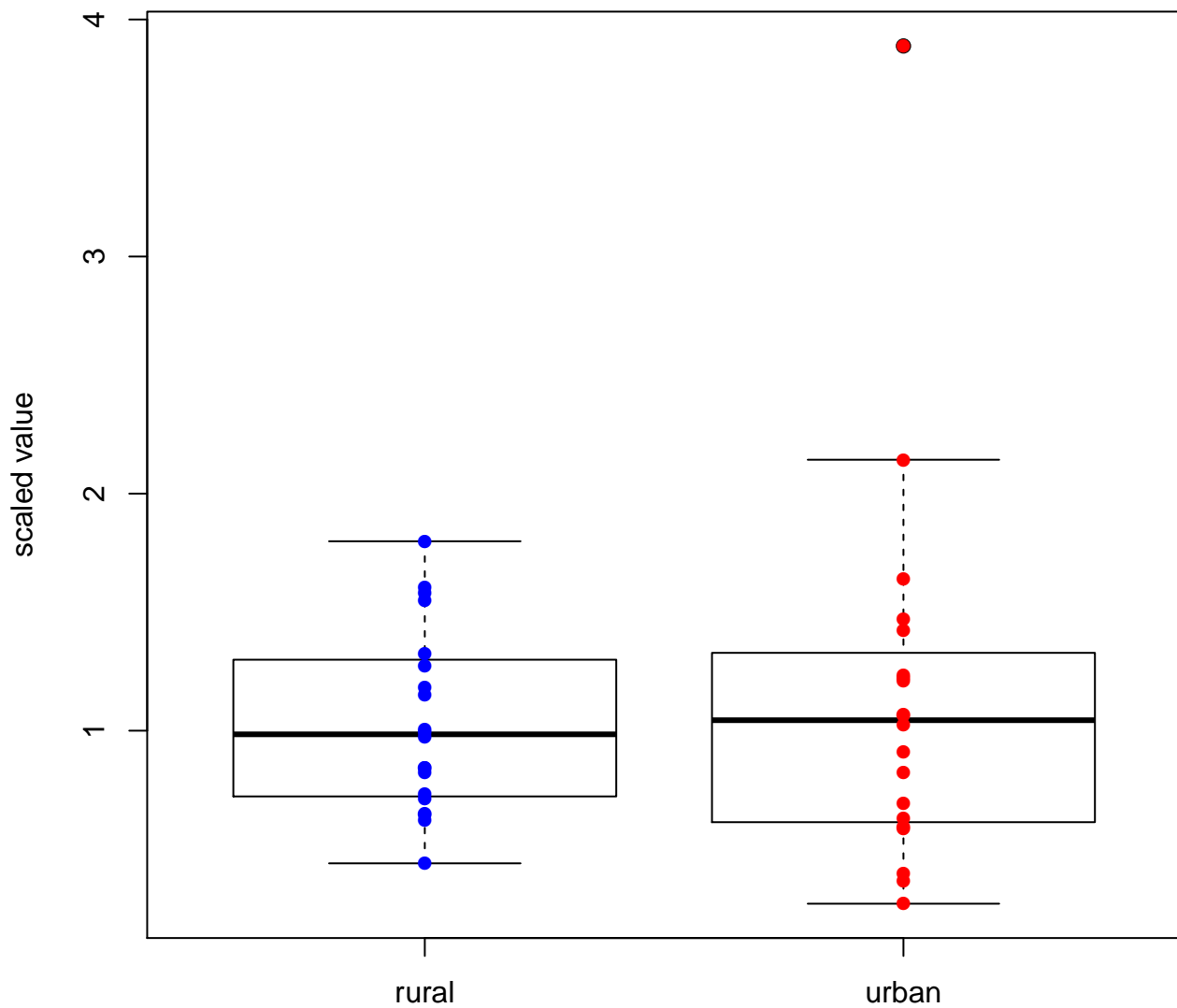
metabolite: 2-piperidinone  
pAdjRuralUrban= 0.835



metabolite: carnitine  
pAdjRuralUrban= 0.835

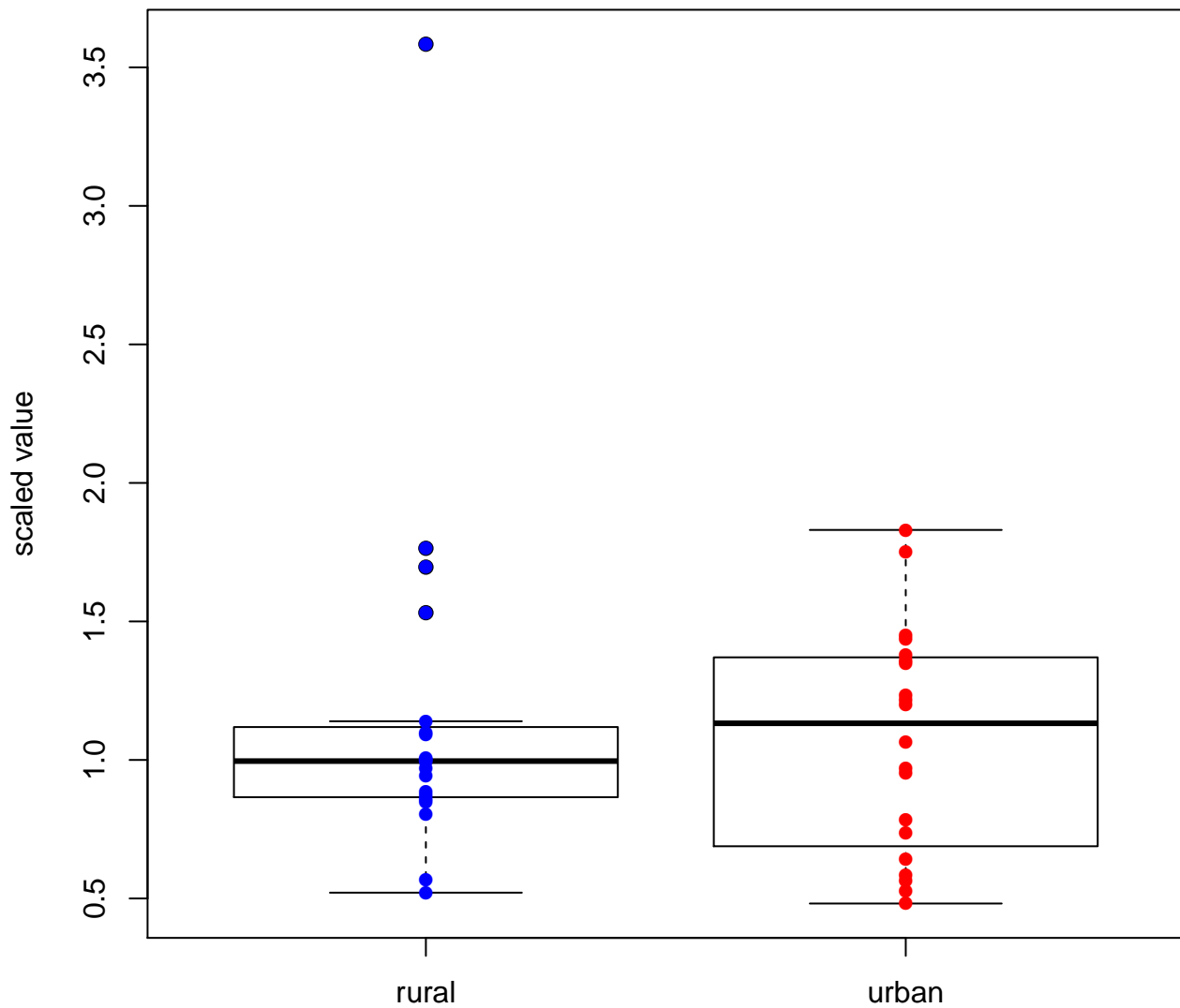


metabolite: catechol sulfate  
pAdjRuralUrban= 0.835



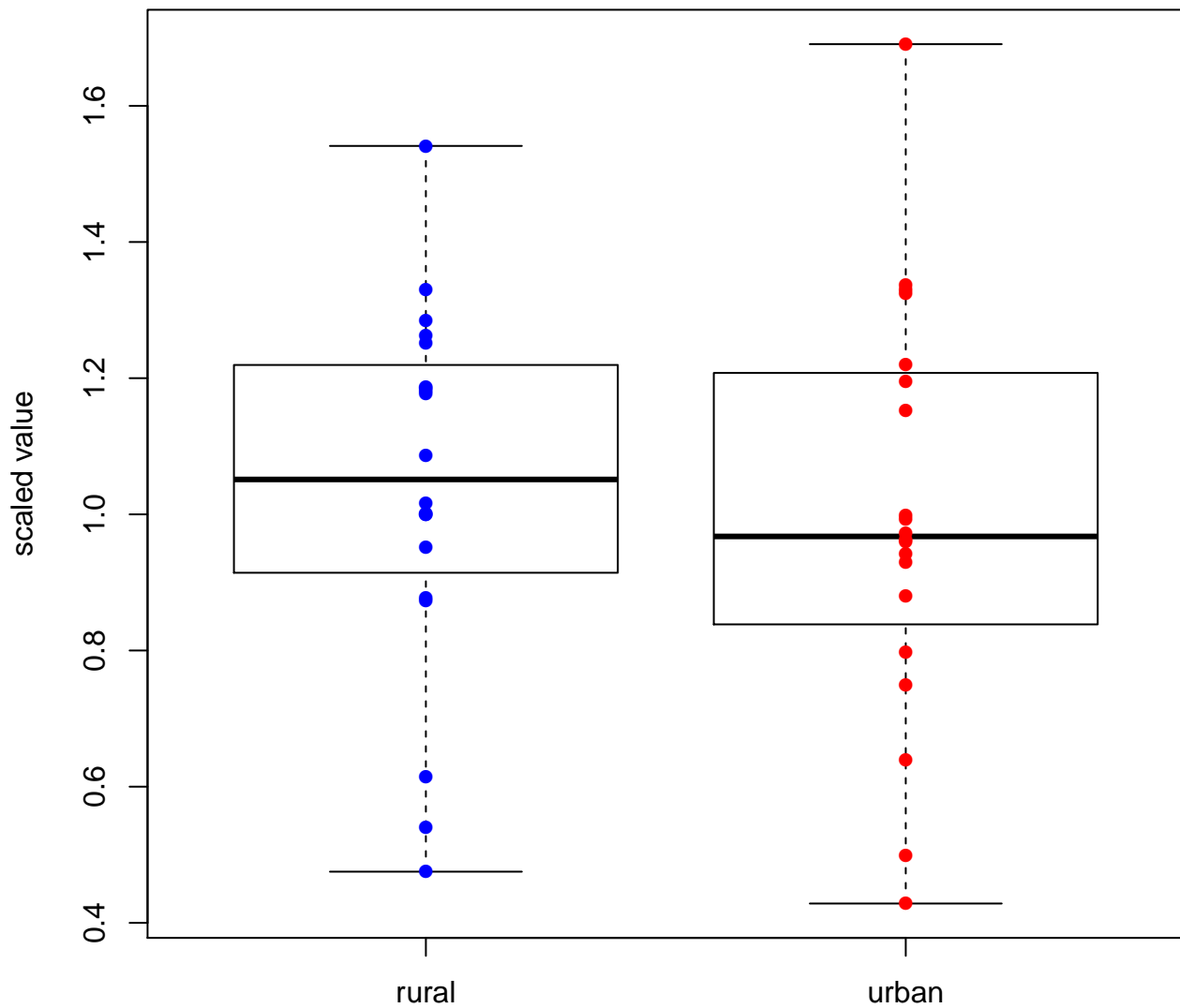
metabolite: octadecanedioate

pAdjRuralUrban= 0.835



metabolite: 1-palmitoyl-GPE (16:0)

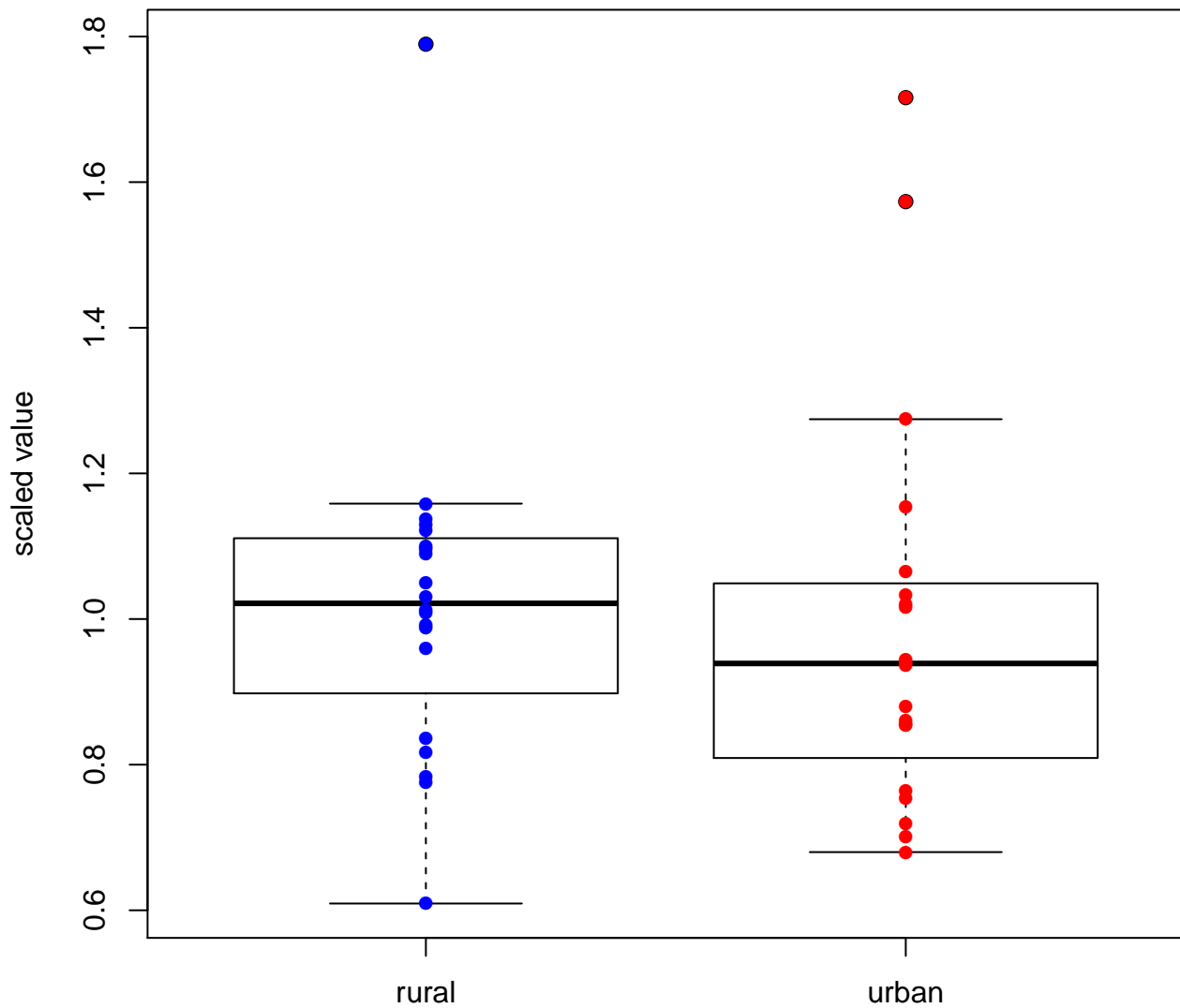
pAdjRuralUrban= 0.842



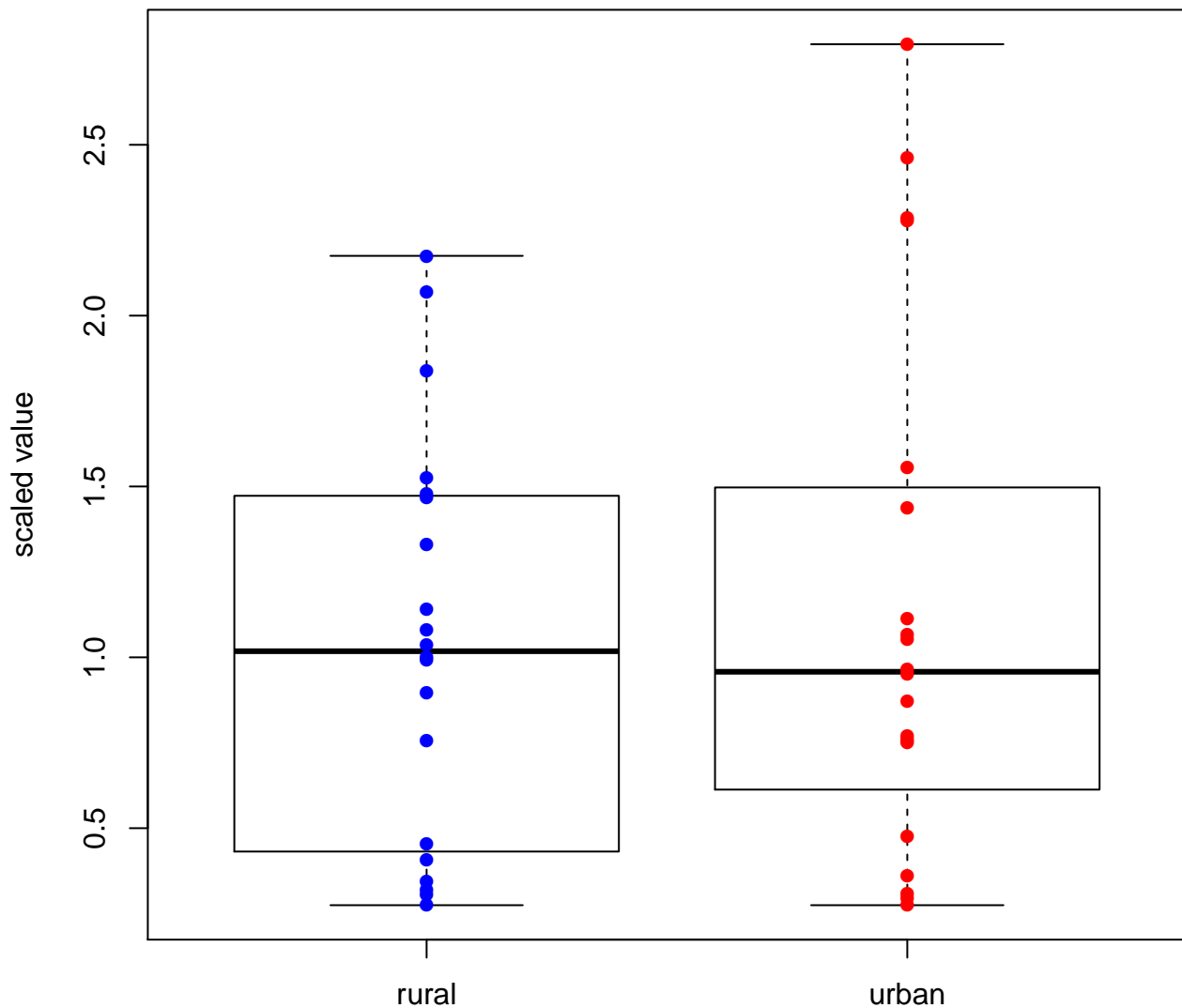


metabolite: caproate (6:0)

pAdjRuralUrban= 0.842

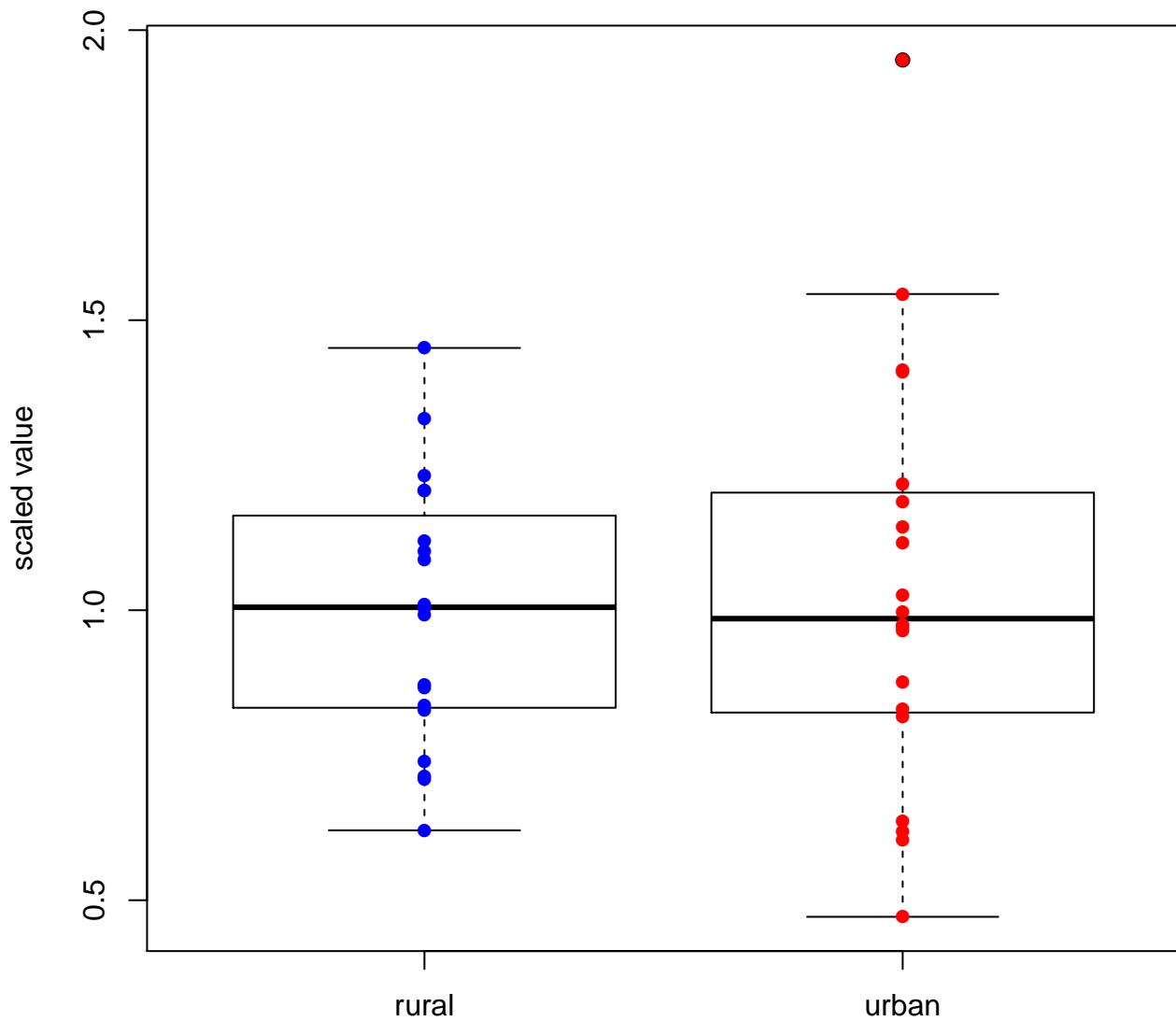


metabolite: 1-(1-enyl-oleoyl)-GPE (P-18:1)  
pAdjRuralUrban= 0.85

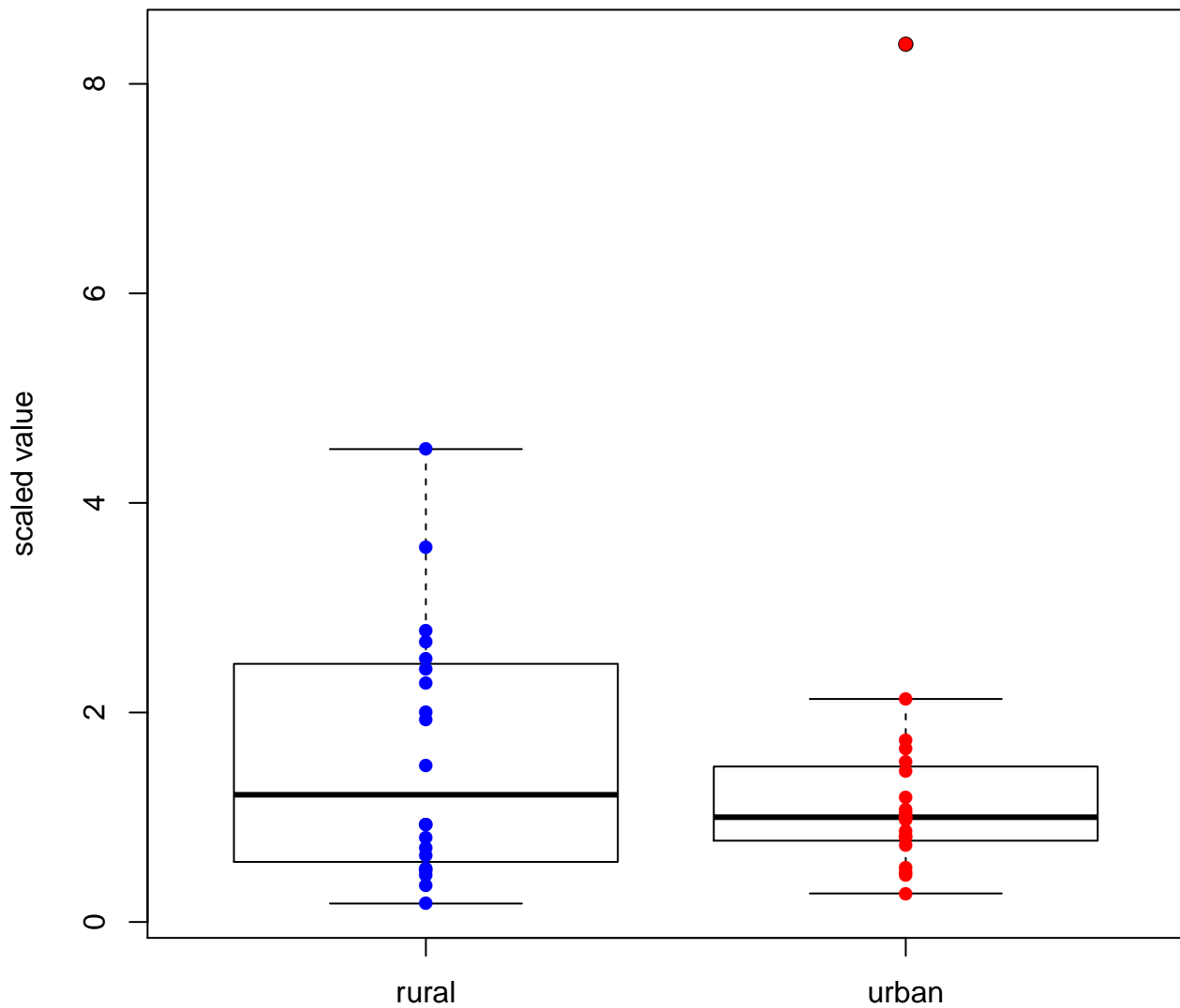


metabolite: 1-arachidonoyl-GPI (20:4)

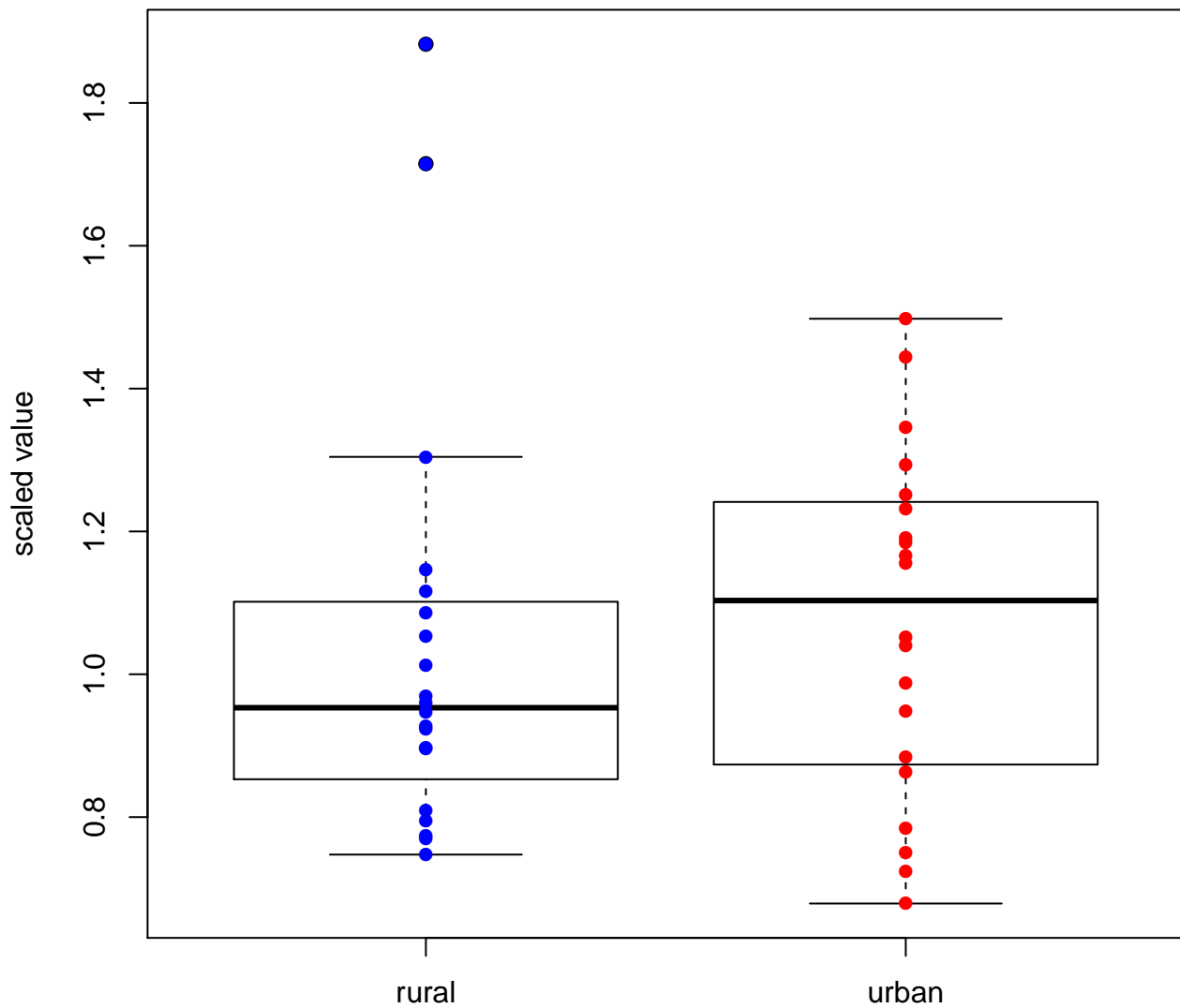
pAdjRuralUrban= 0.85



**metabolite: 4-vinylphenol sulfate**  
**pAdjRuralUrban= 0.853**

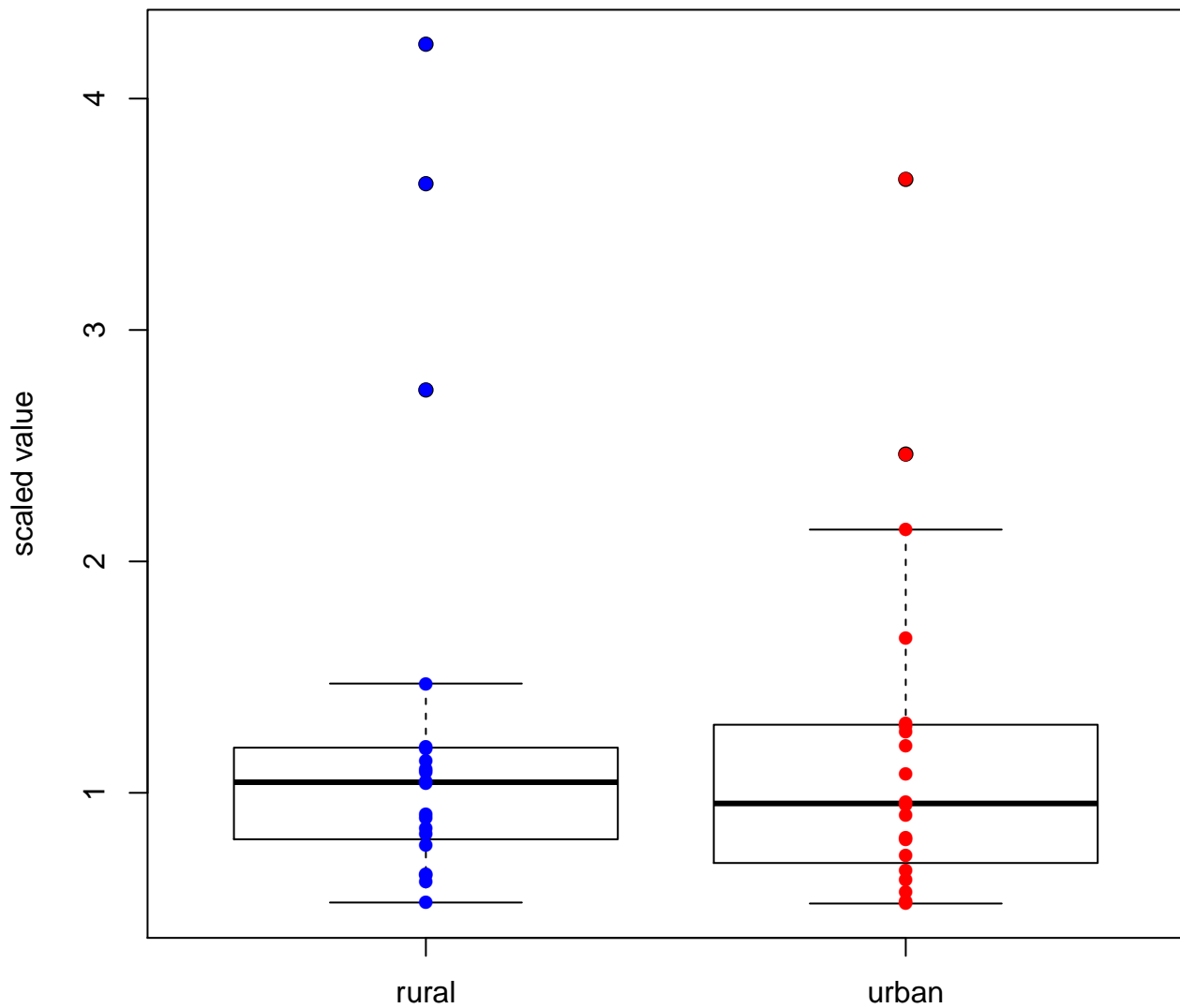


metabolite: citrulline  
pAdjRuralUrban= 0.853

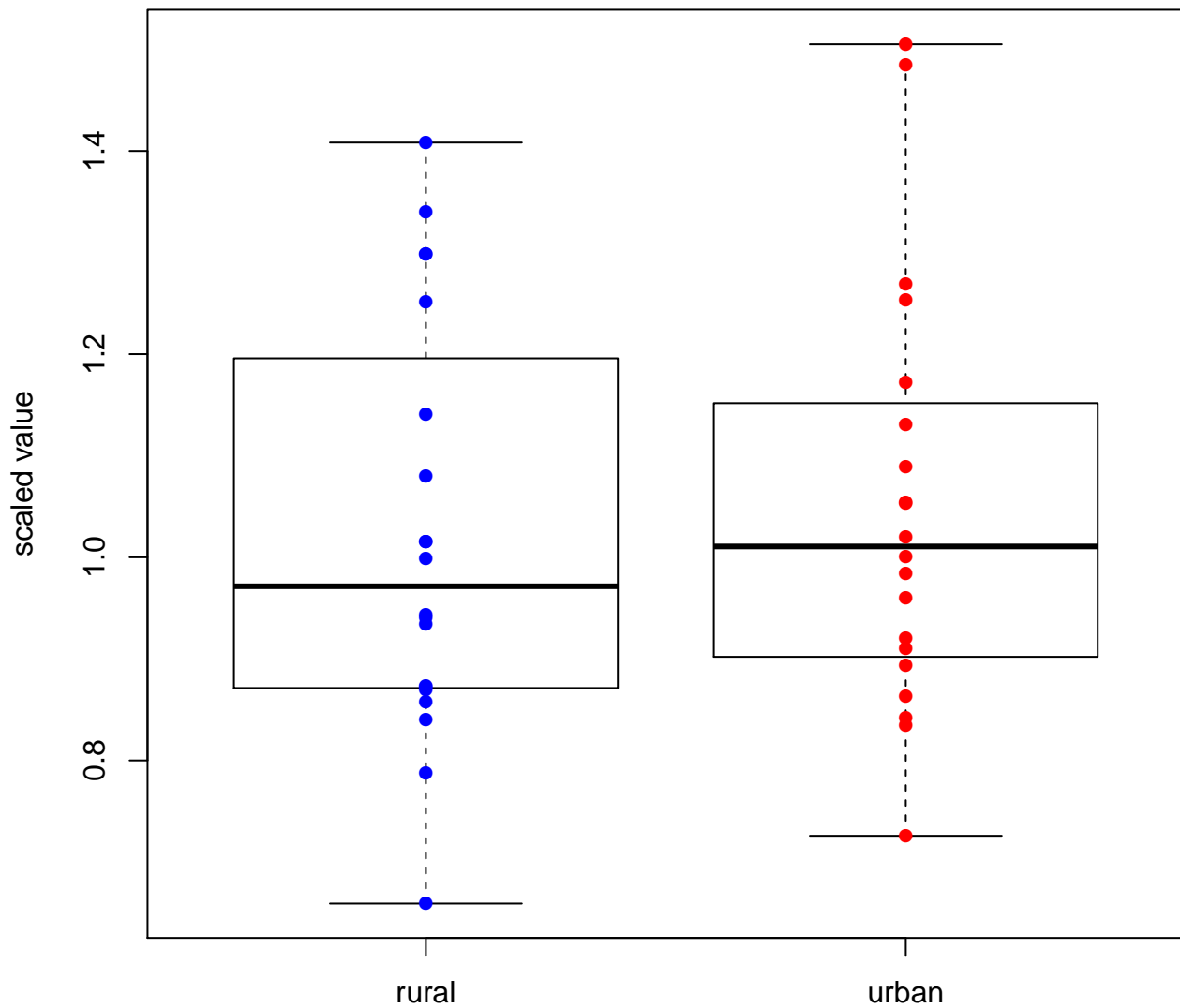


metabolite: hexadecanedioate

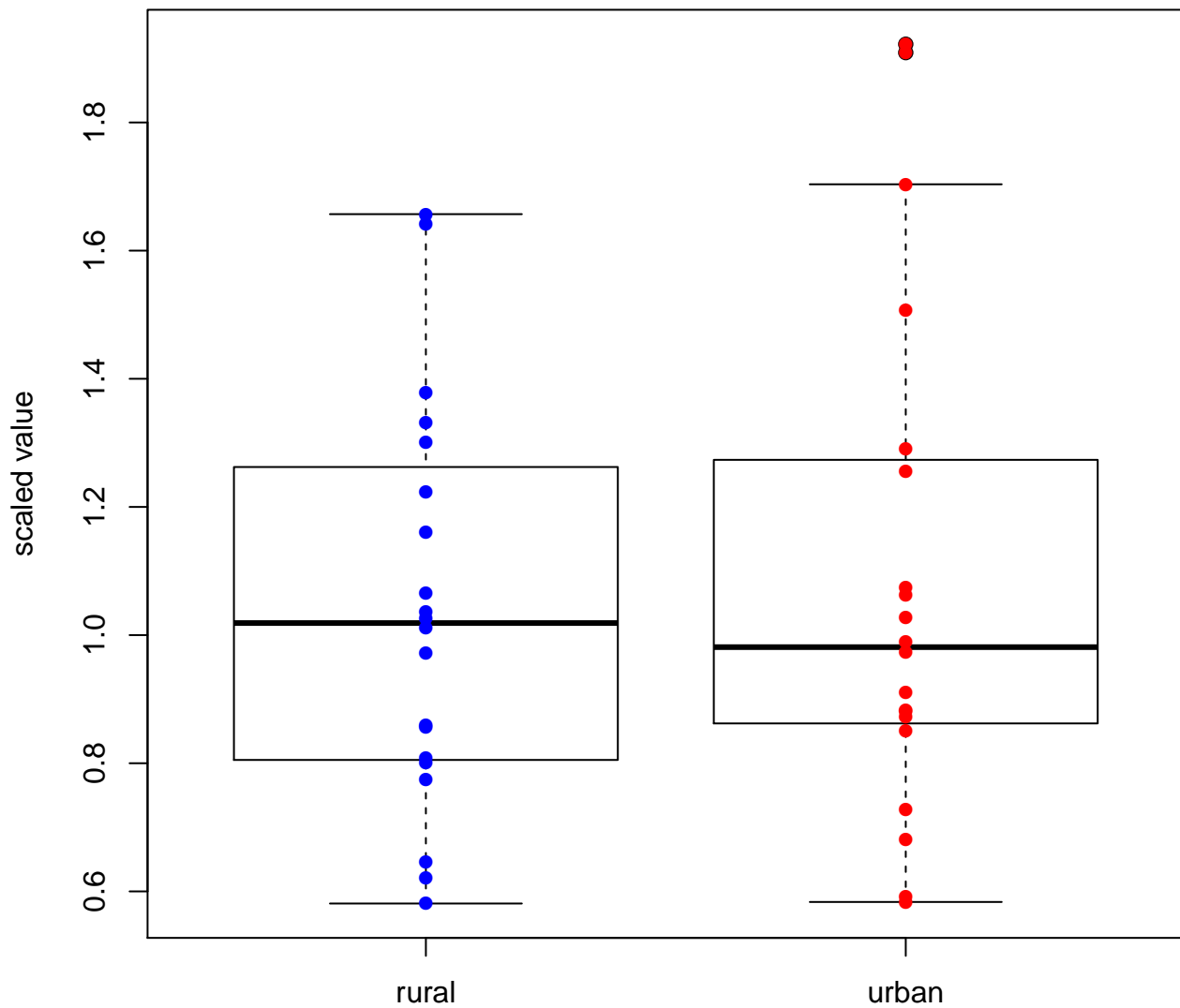
pAdjRuralUrban= 0.853



metabolite: 5-oxoproline  
pAdjRuralUrban= 0.856

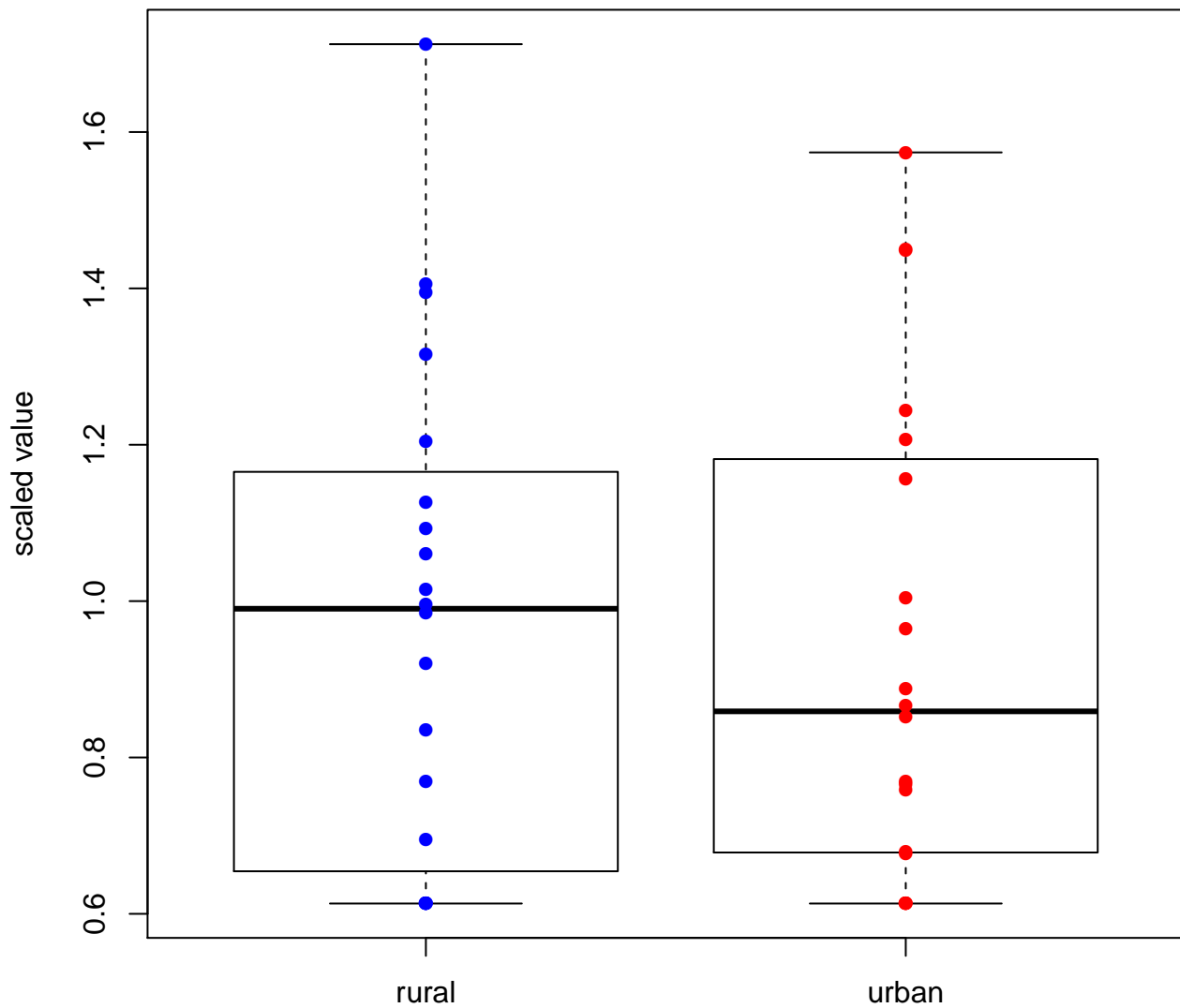


metabolite: inositol 1-phosphate (I1P)  
pAdjRuralUrban= 0.856

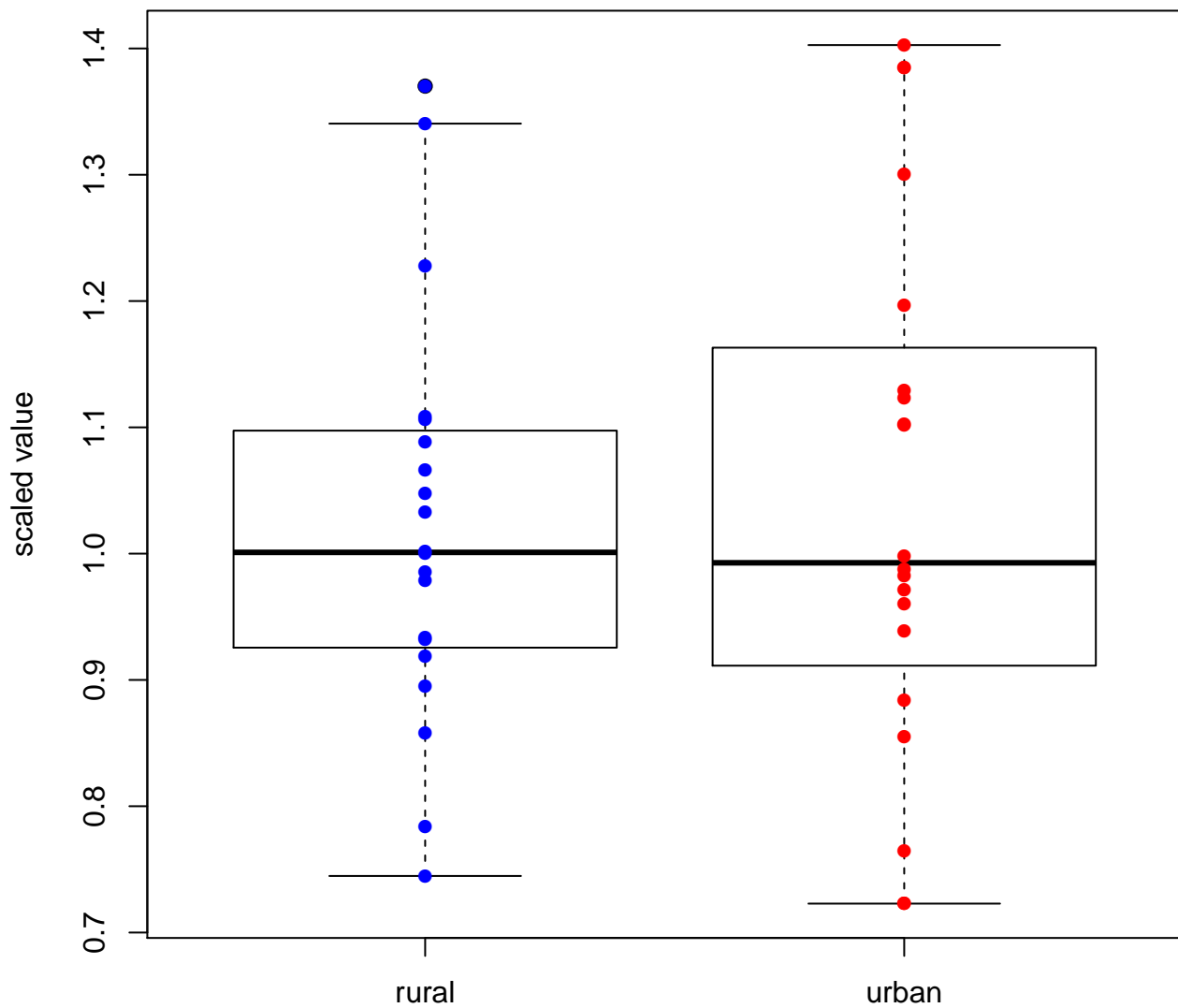




metabolite: N-acetylthreonine  
pAdjRuralUrban= 0.856

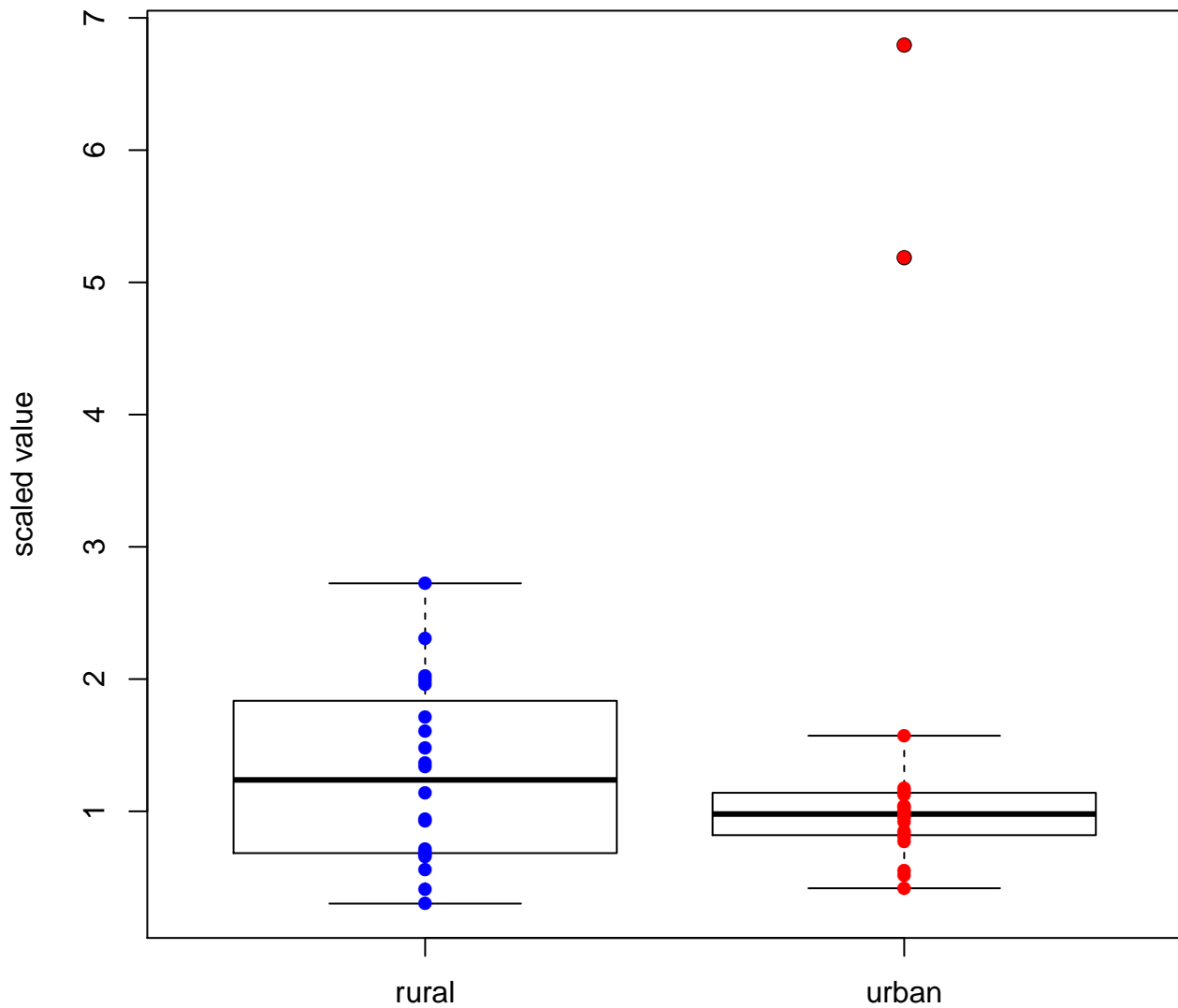


metabolite: undecanedioate  
pAdjRuralUrban= 0.856

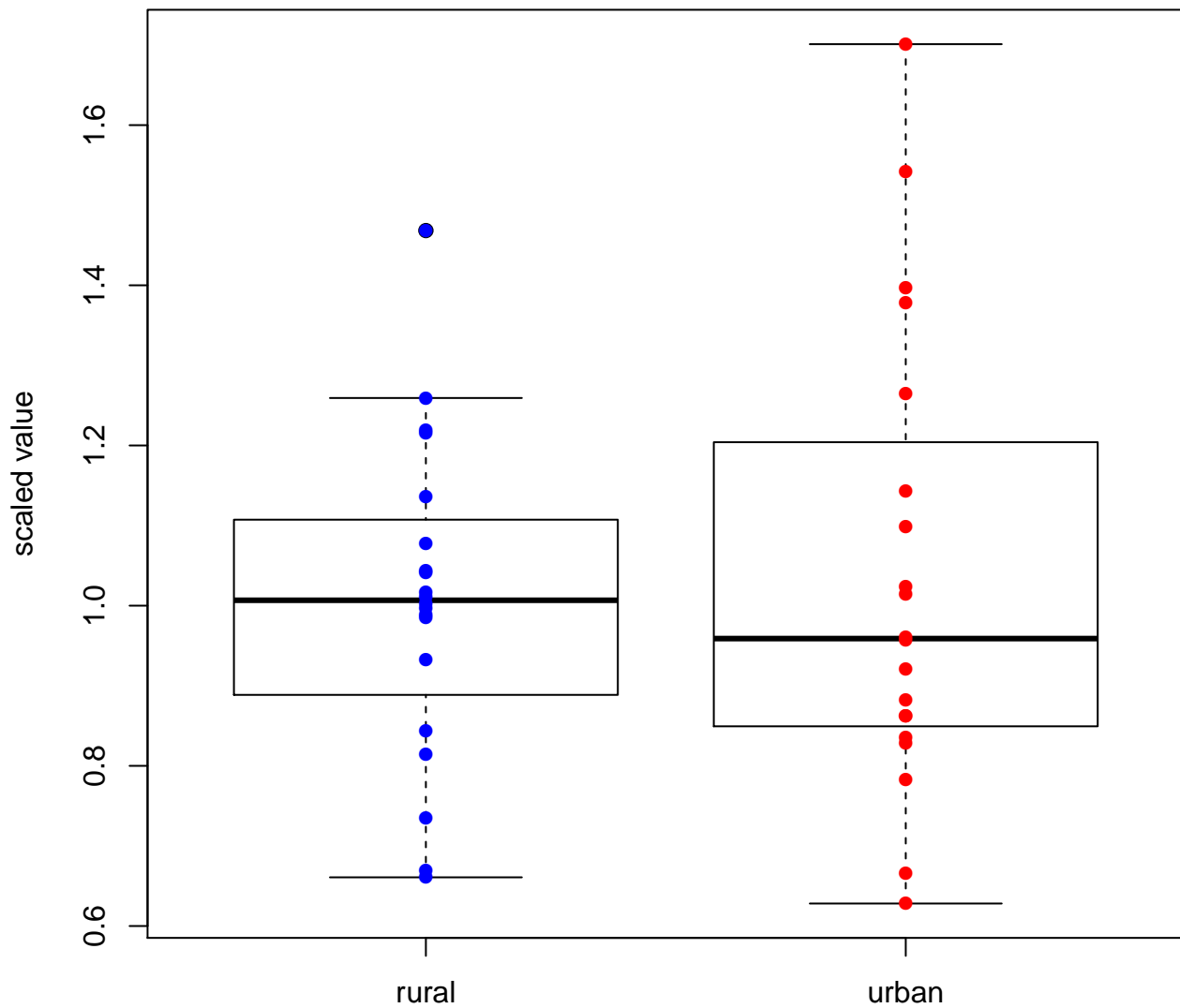


metabolite: 1-oleoylglycerol (18:1)

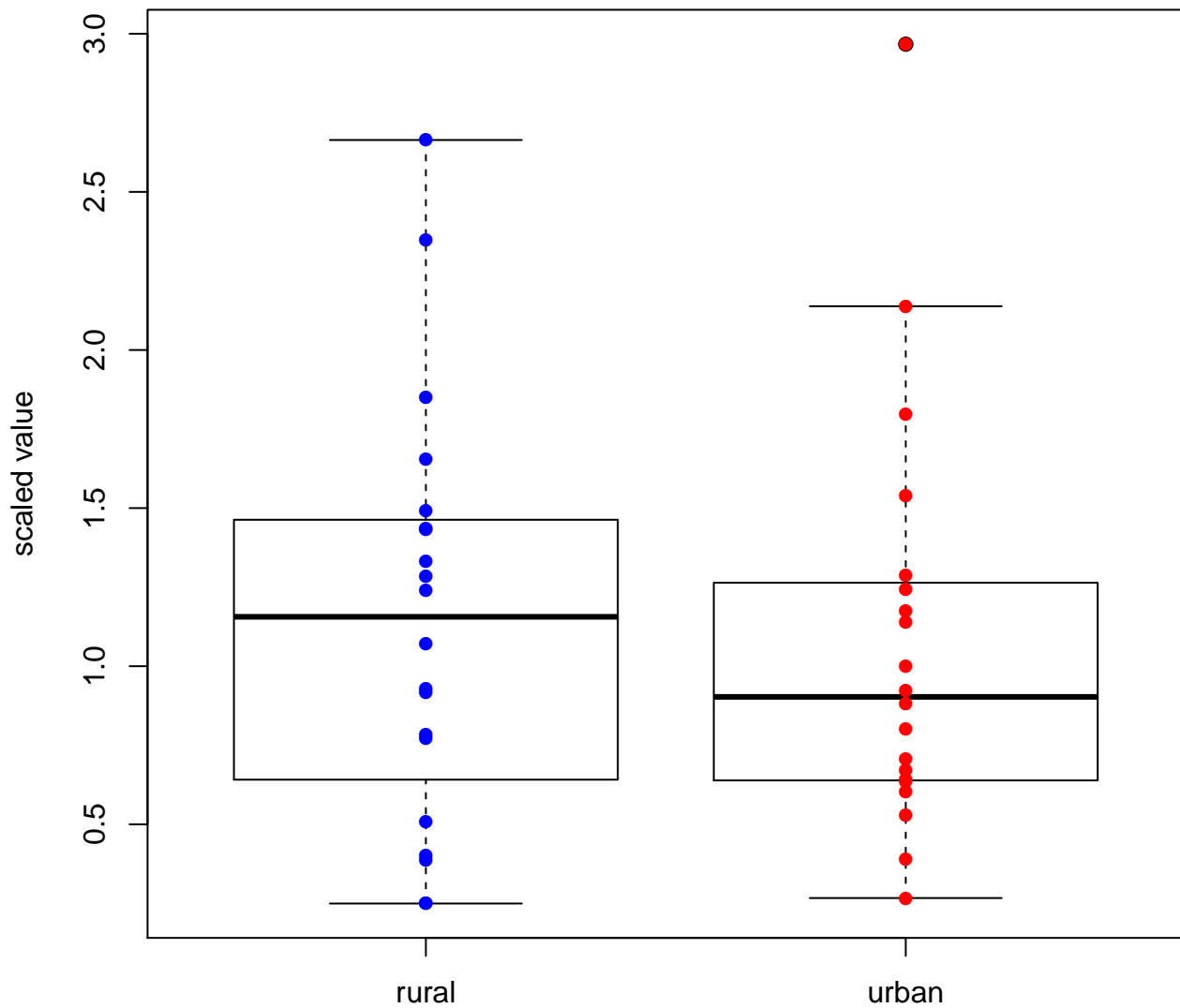
pAdjRuralUrban= 0.858



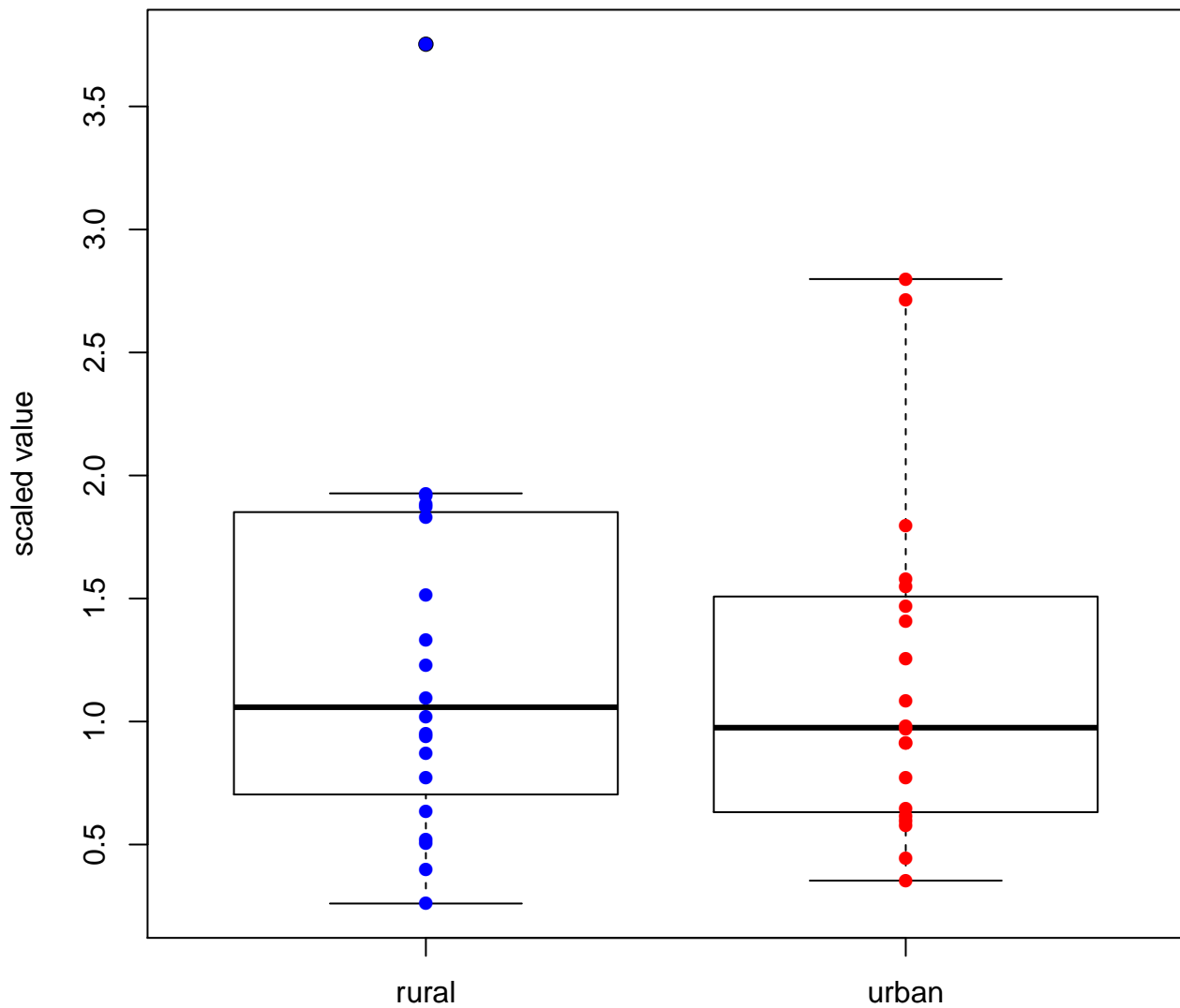
metabolite: alpha-tocopherol  
pAdjRuralUrban= 0.858



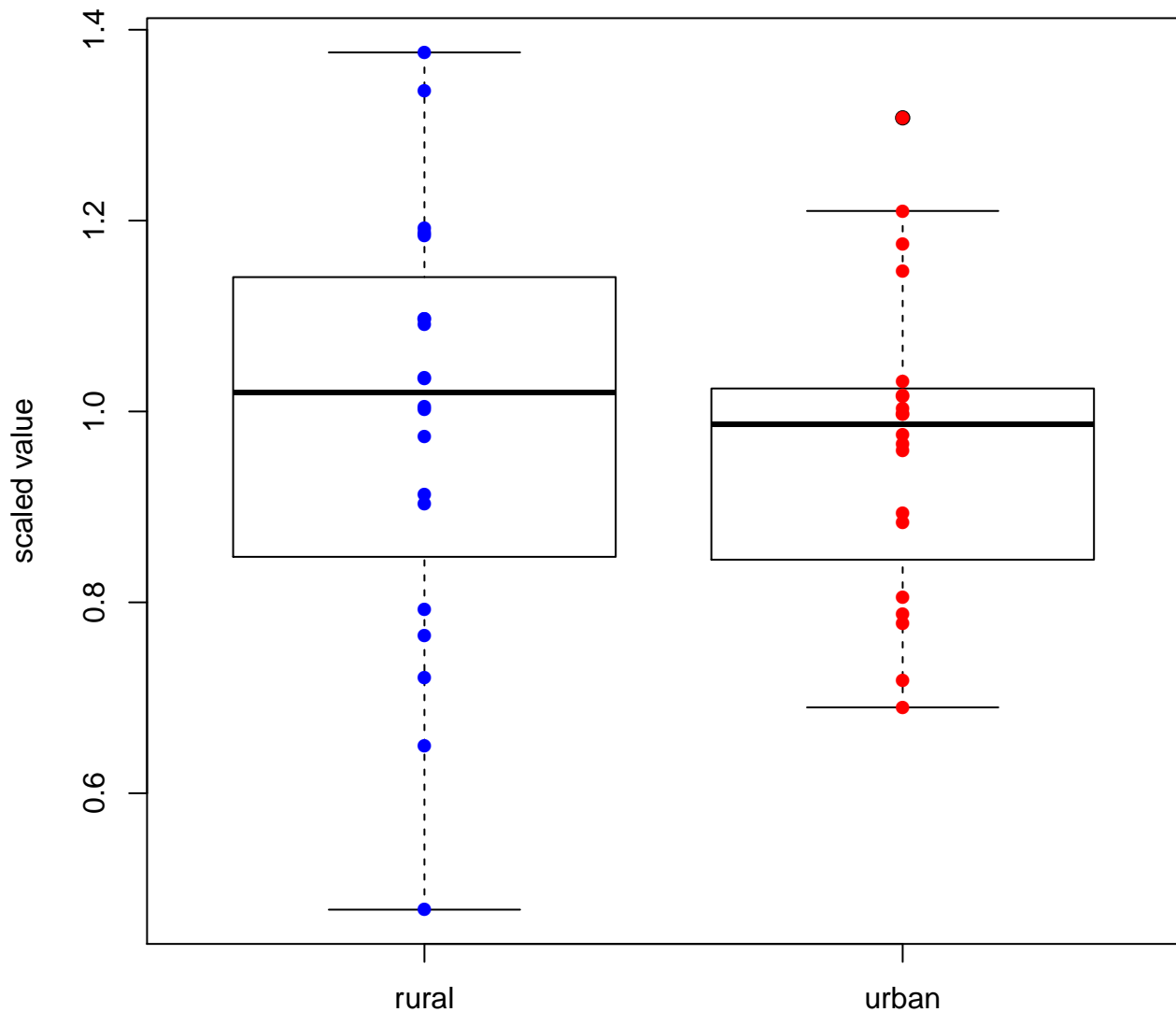
metabolite: glycylvaline  
pAdjRuralUrban= 0.858



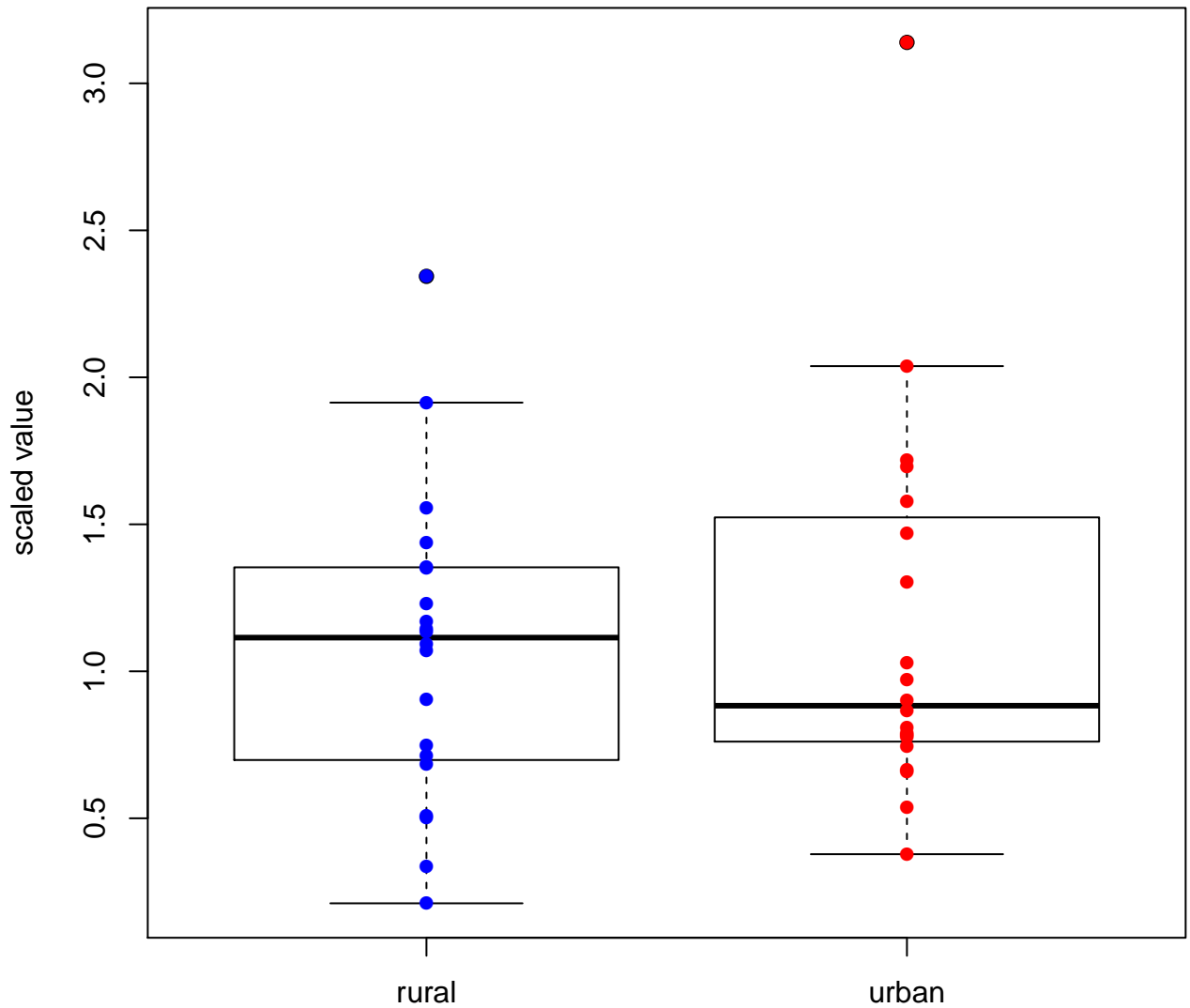
metabolite: 3-indoxyl sulfate  
pAdjRuralUrban= 0.859



**metabolite: 4-amino-2-hydroxybutyrate**  
**pAdjRuralUrban= 0.859**



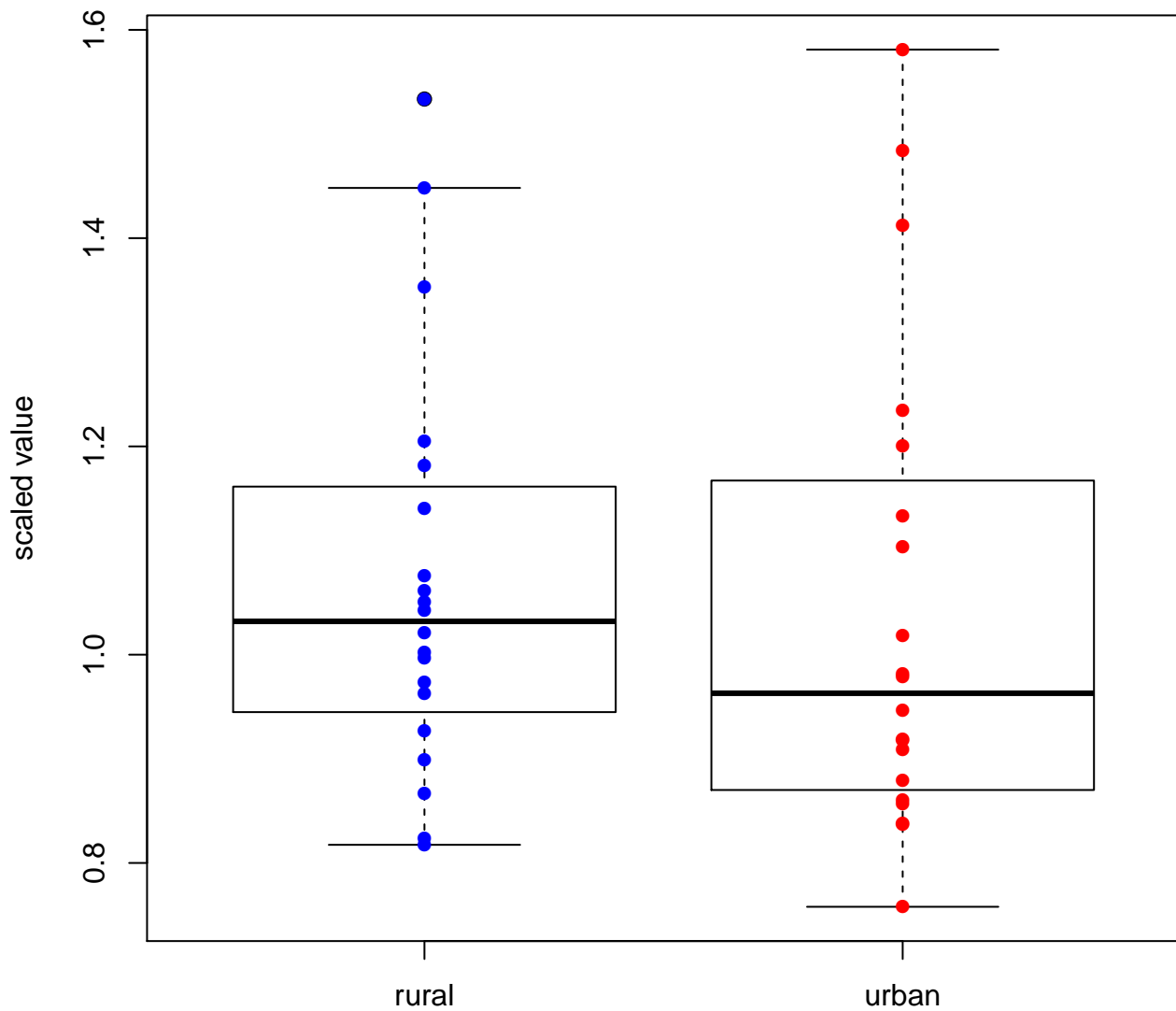
**metabolite: 4-androsten-3beta,17beta-diol disulfate (2)**  
**pAdjRuralUrban= 0.859**



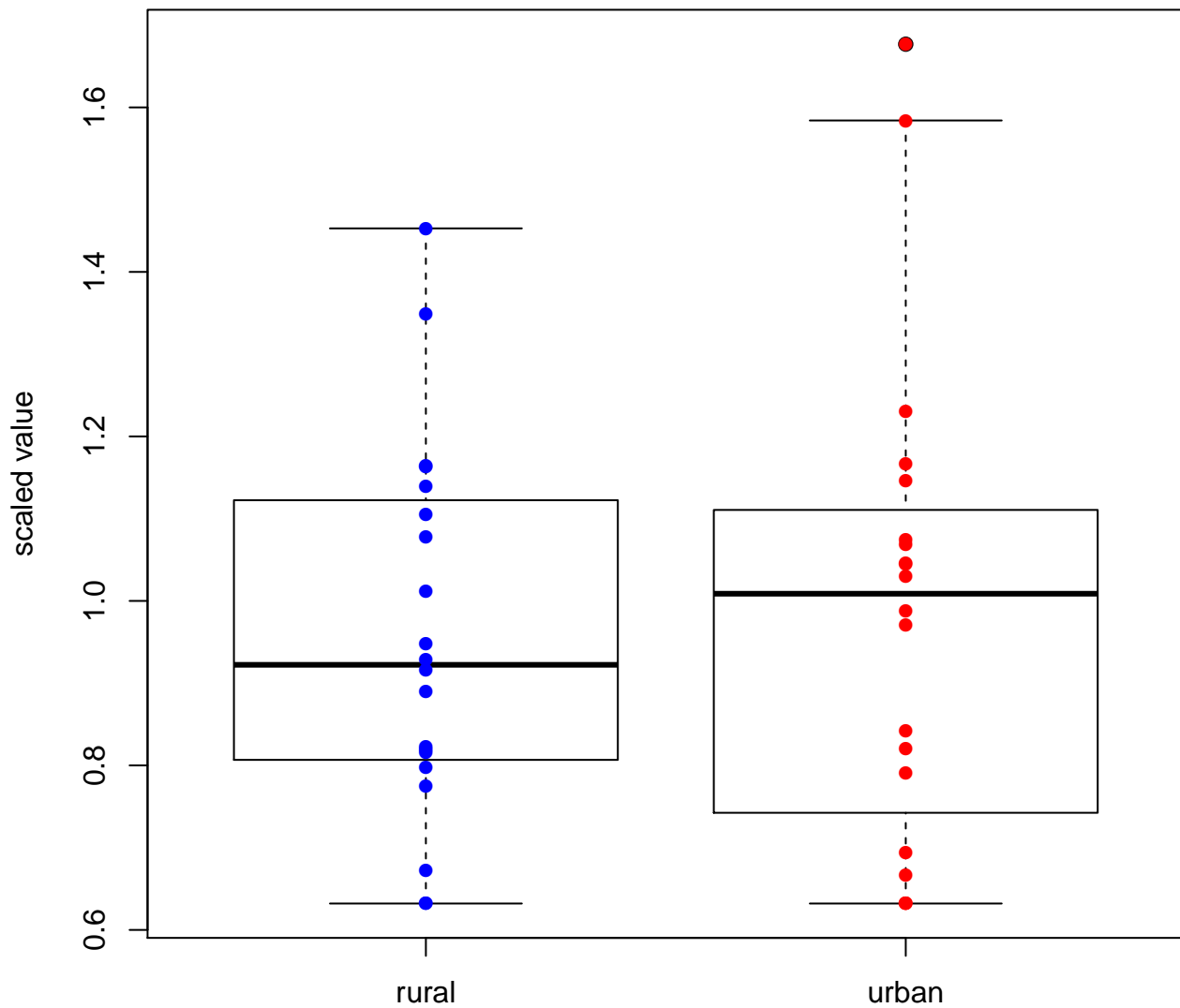


metabolite: caprate (10:0)

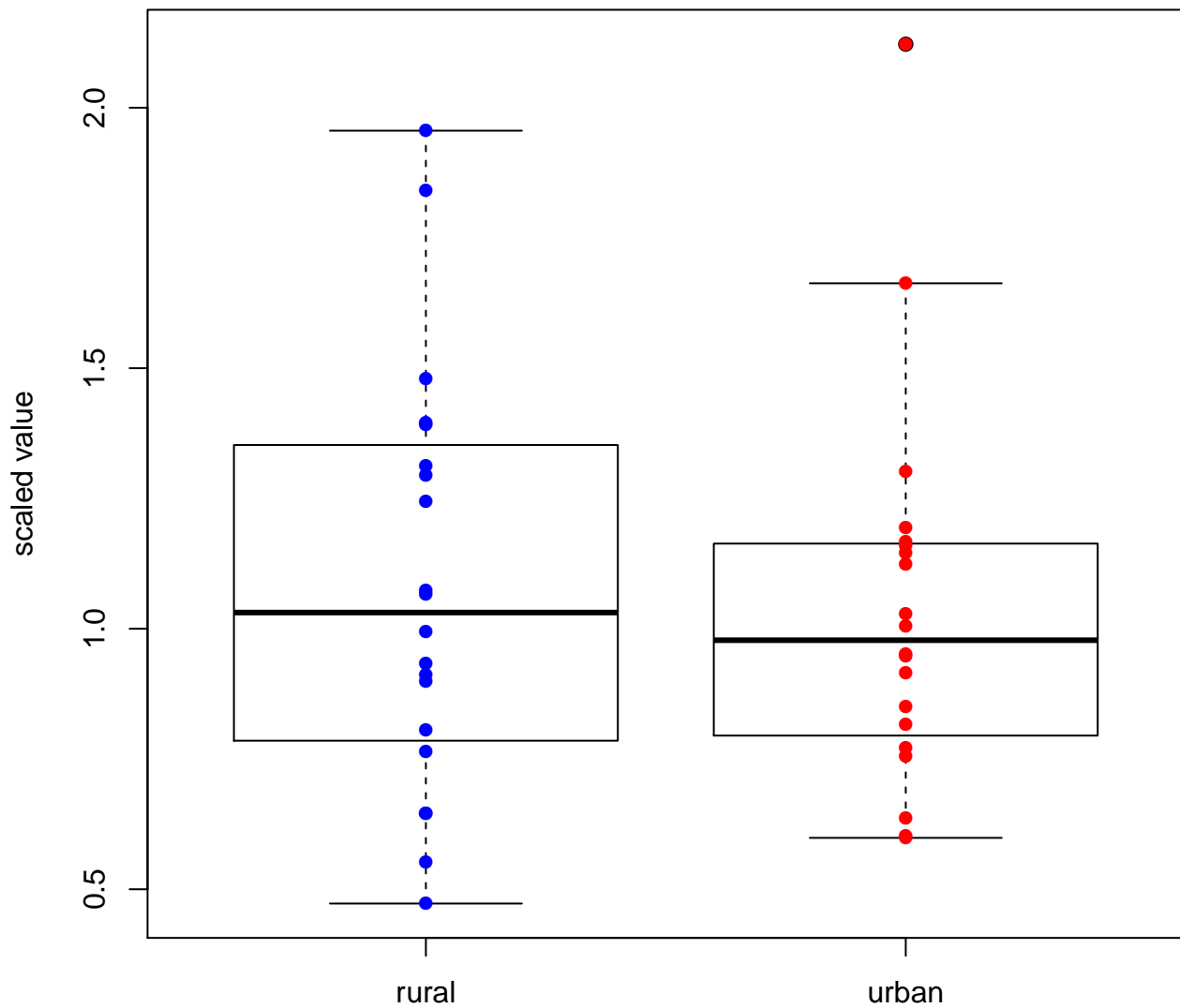
pAdjRuralUrban= 0.859



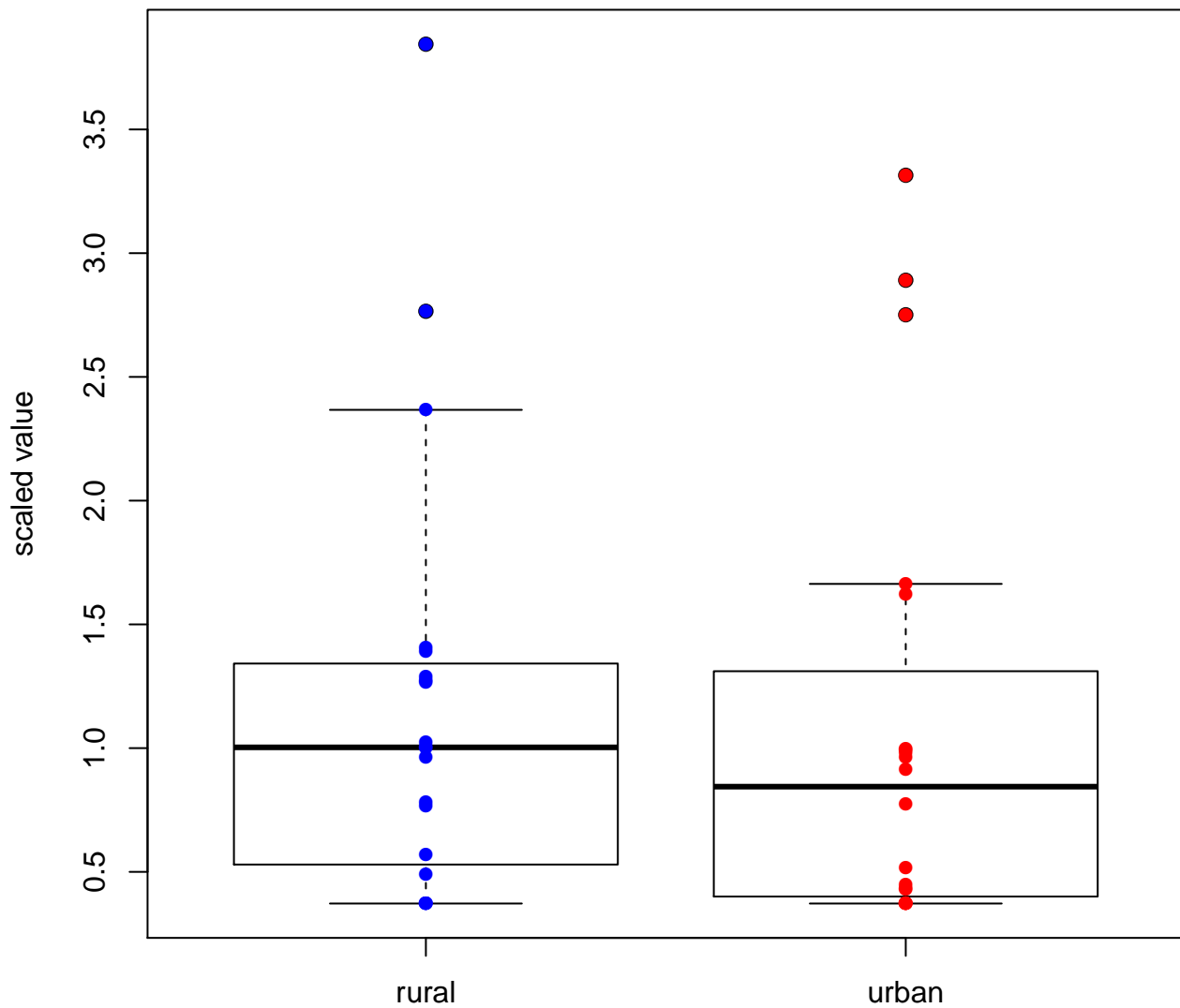
metabolite: threonine  
pAdjRuralUrban= 0.859



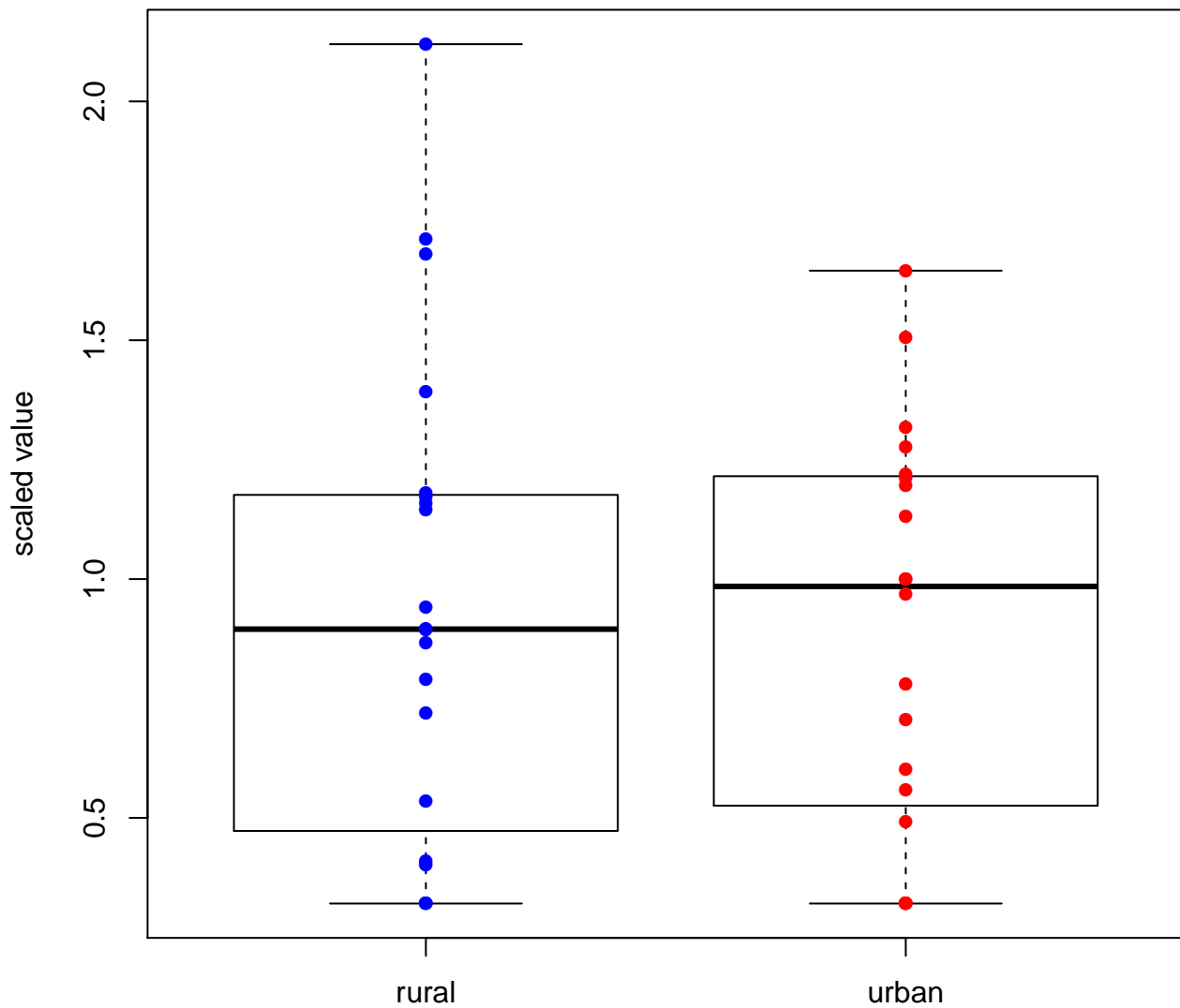
metabolite: trans-urocanate  
pAdjRuralUrban= 0.859



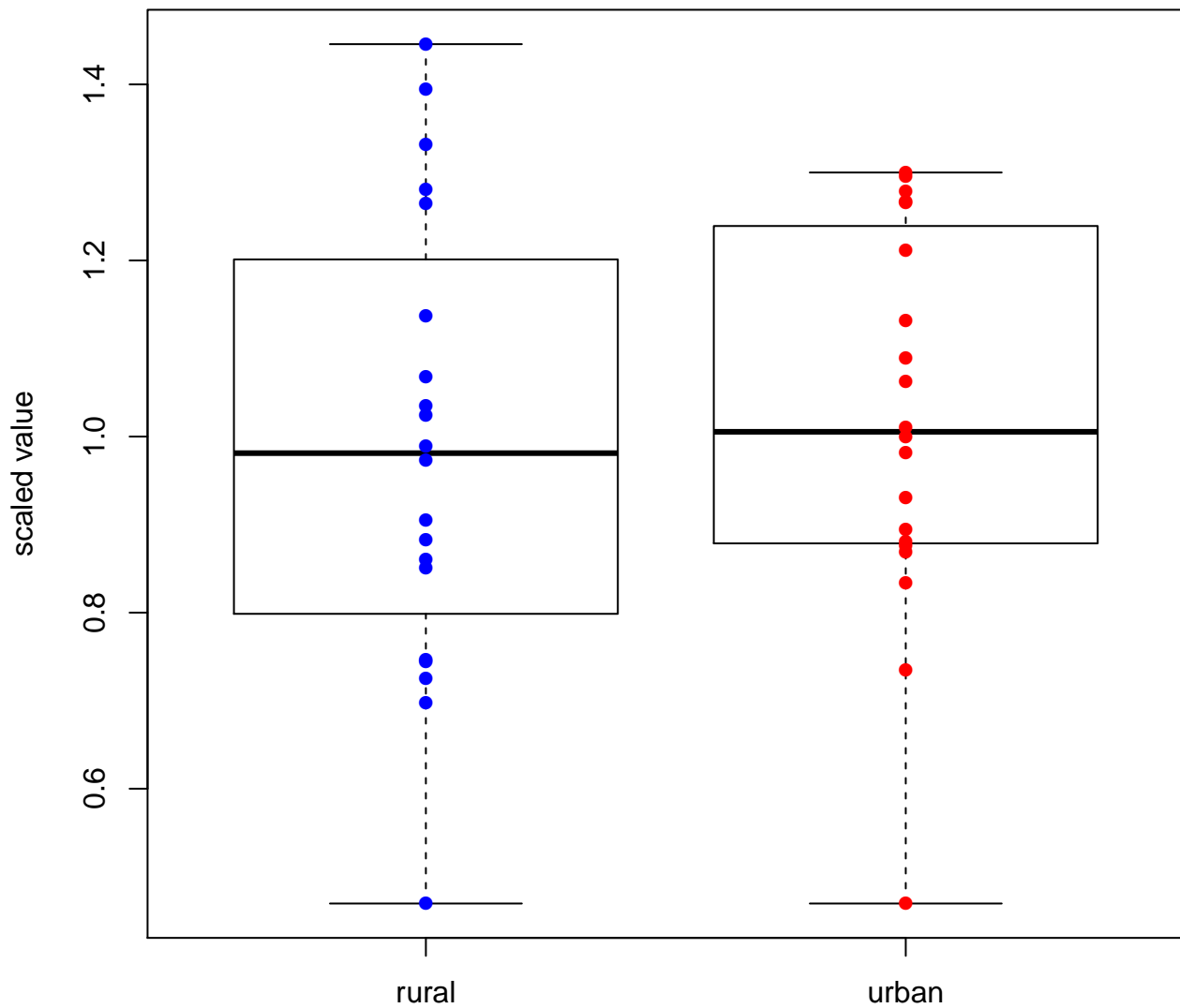
metabolite: 4-hydroxyhippurate  
pAdjRuralUrban= 0.861



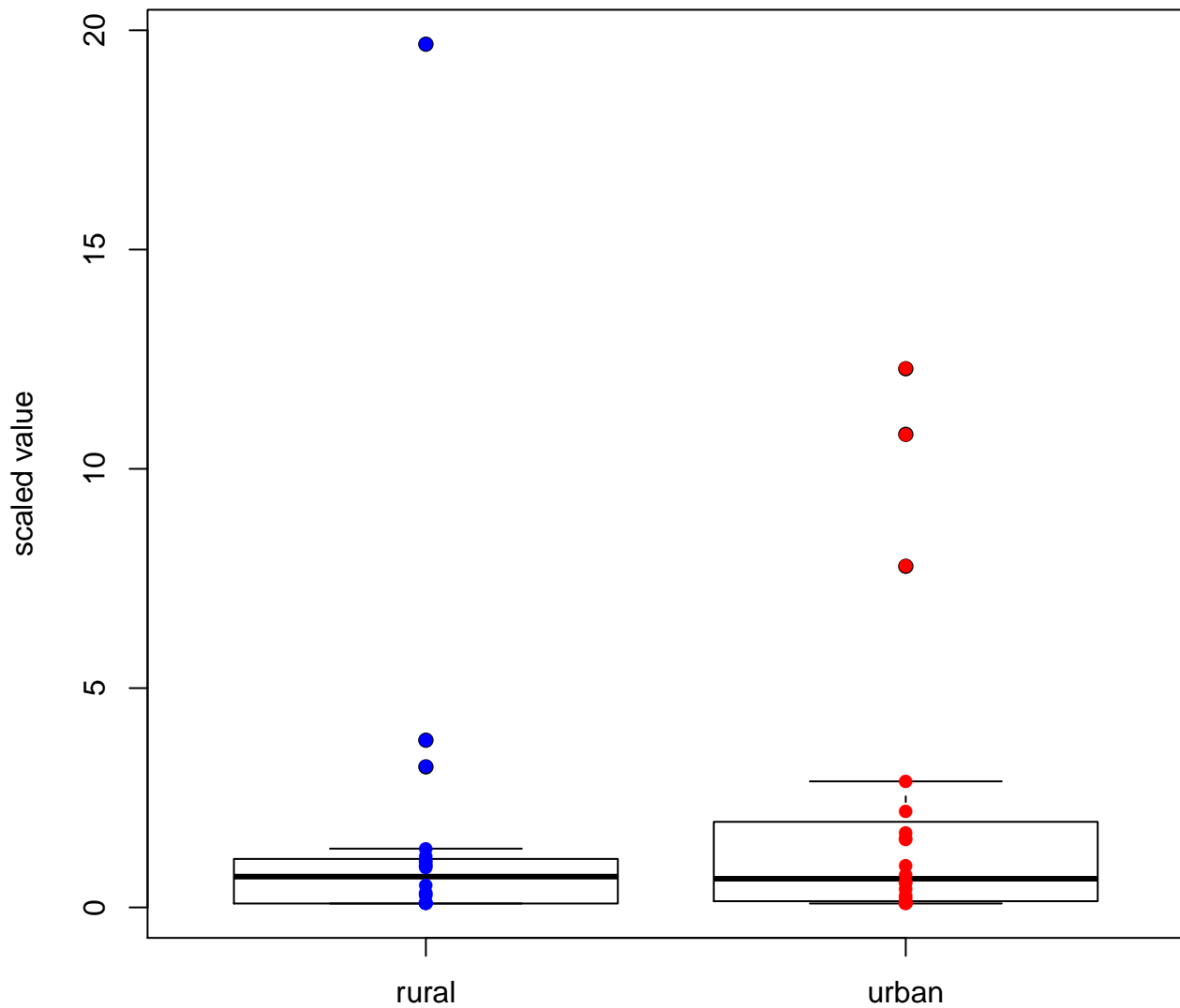
metabolite: 1,6-anhydroglucose  
pAdjRuralUrban= 0.861



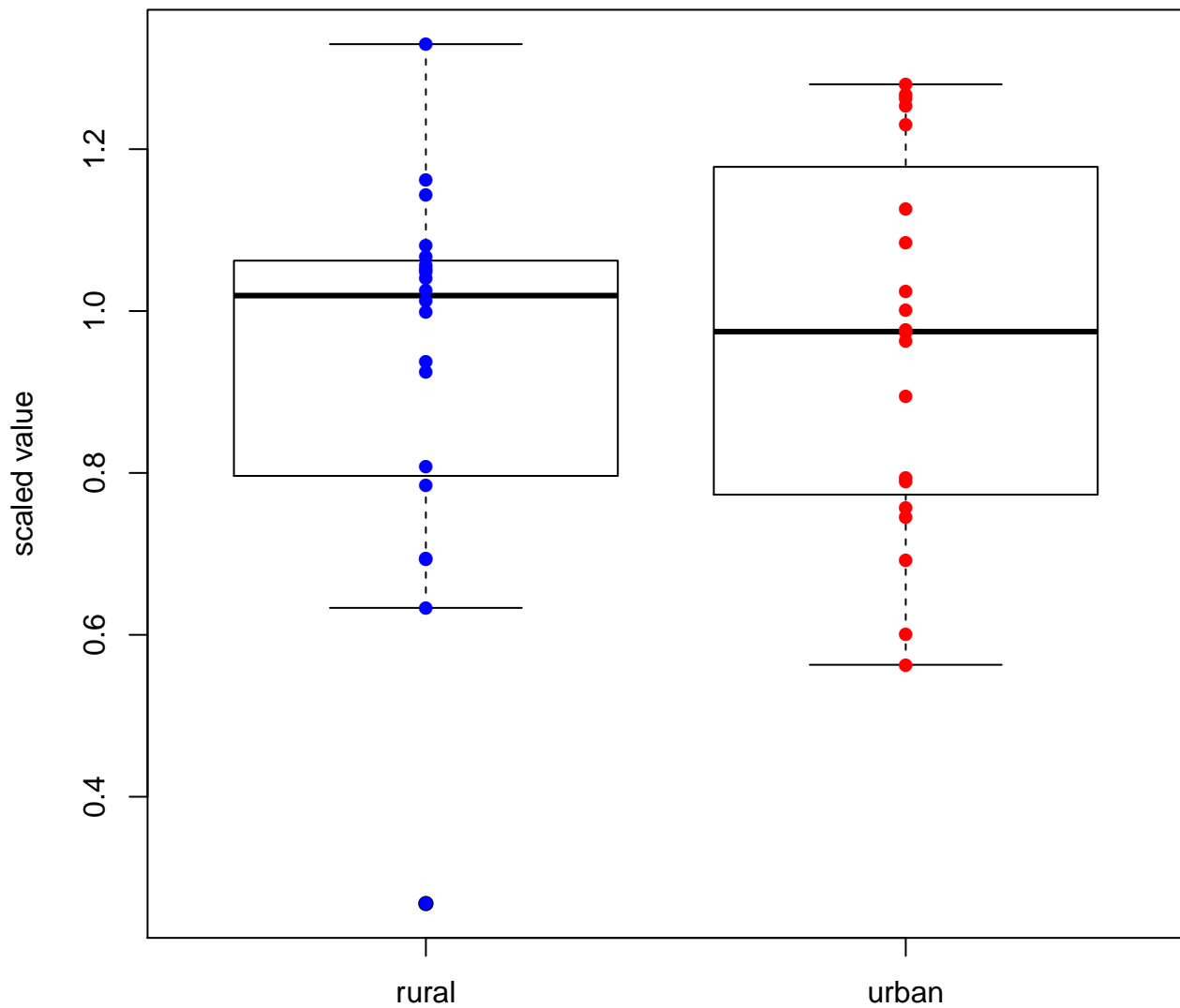
metabolite: cortisone  
pAdjRuralUrban= 0.861



metabolite: 4-ethylphenylsulfate  
pAdjRuralUrban= 0.867

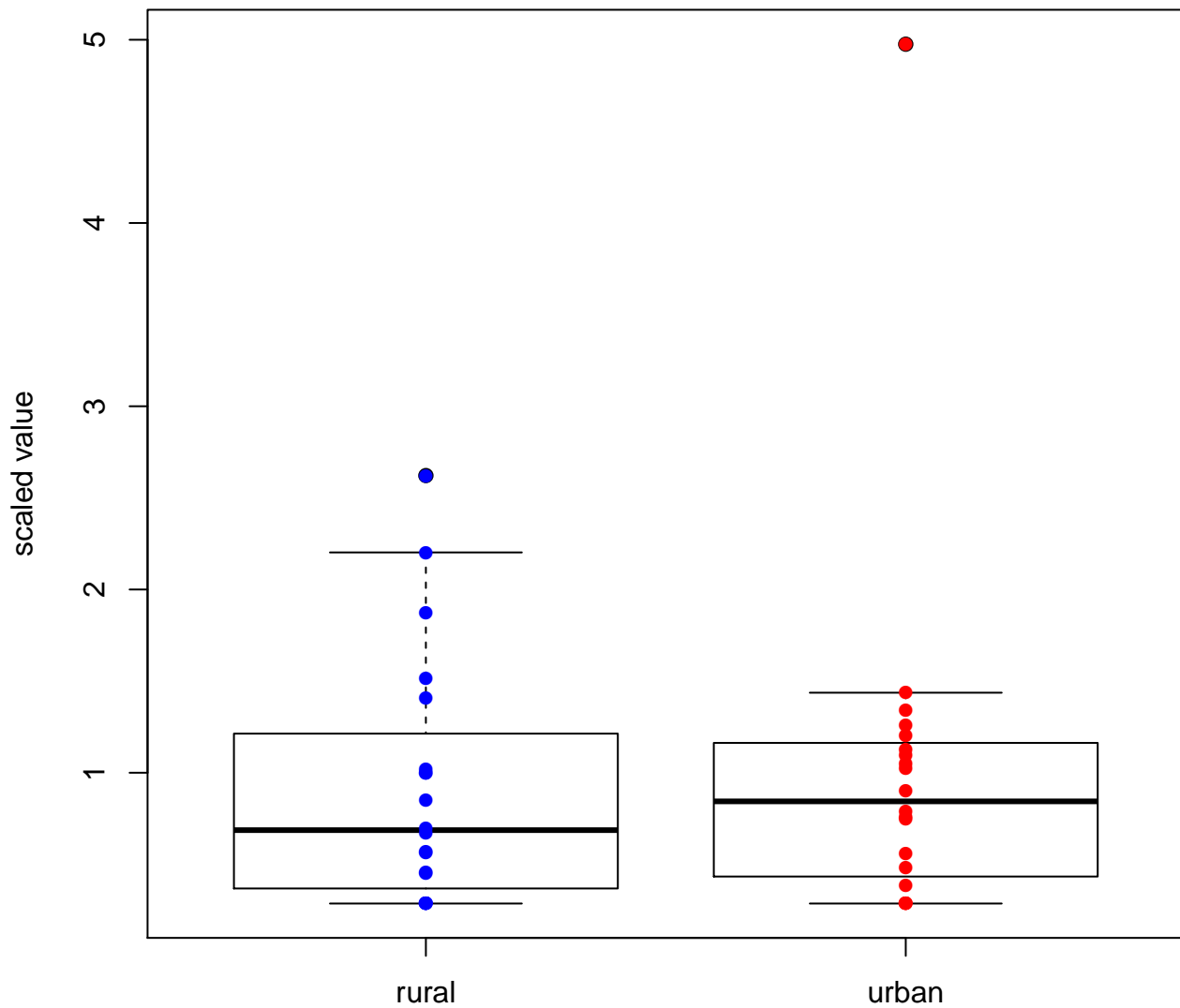


metabolite: alanine  
pAdjRuralUrban= 0.867

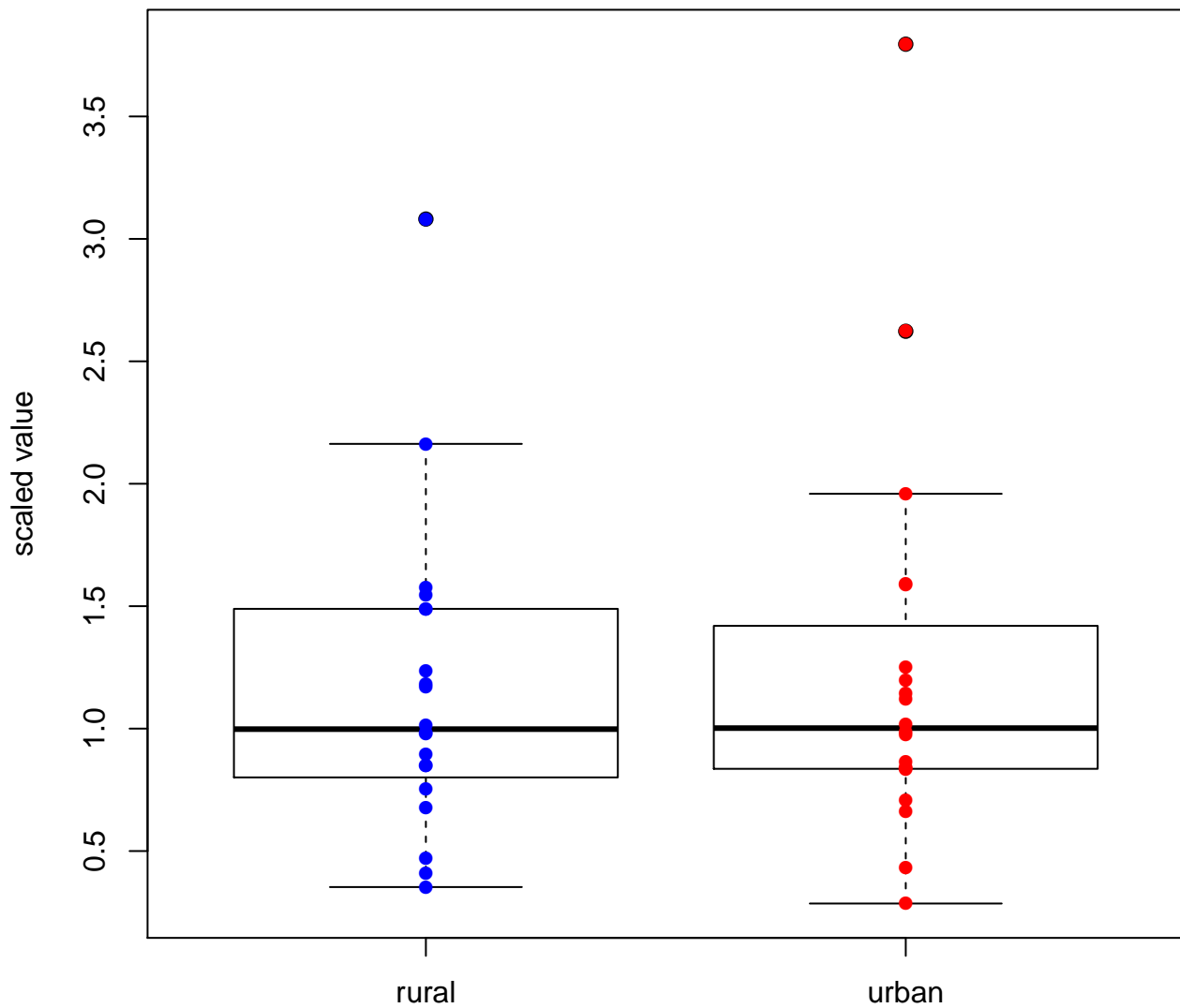




metabolite: glycohyocholate  
pAdjRuralUrban= 0.867

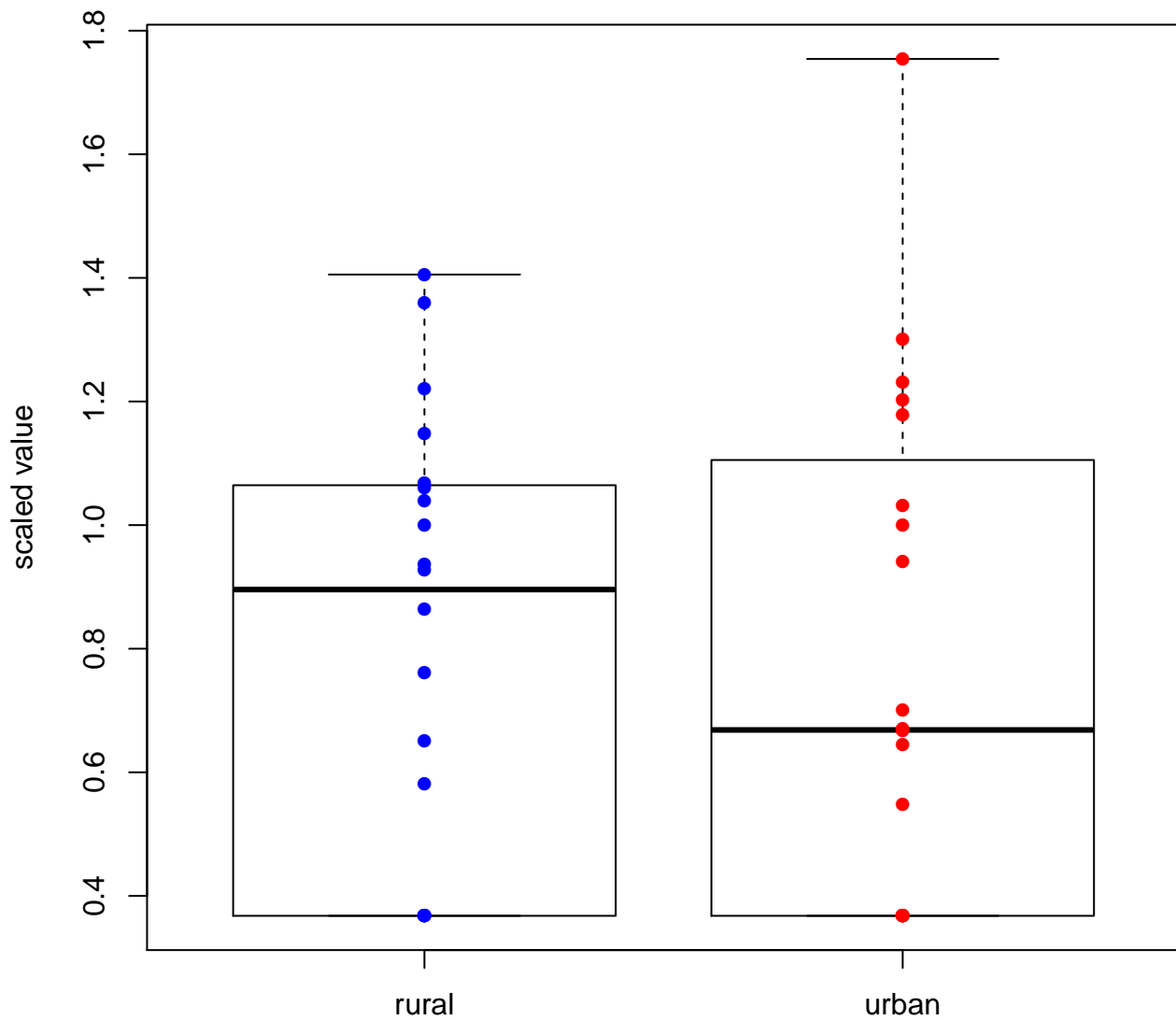


metabolite: eicosapentaenoate (EPA; 20:5n3)  
pAdjRuralUrban= 0.871



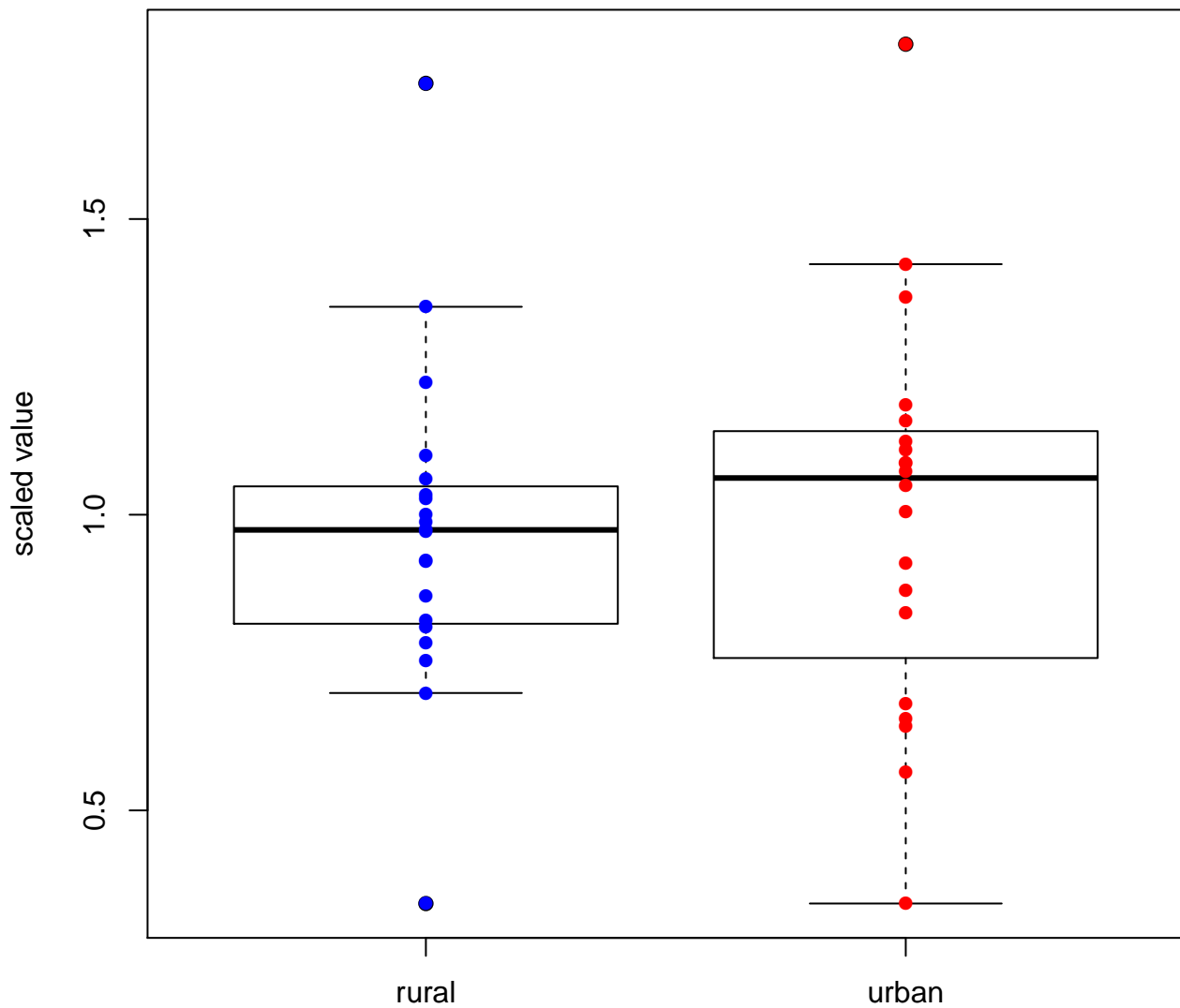
metabolite: guanidinoacetate

pAdjRuralUrban= 0.882



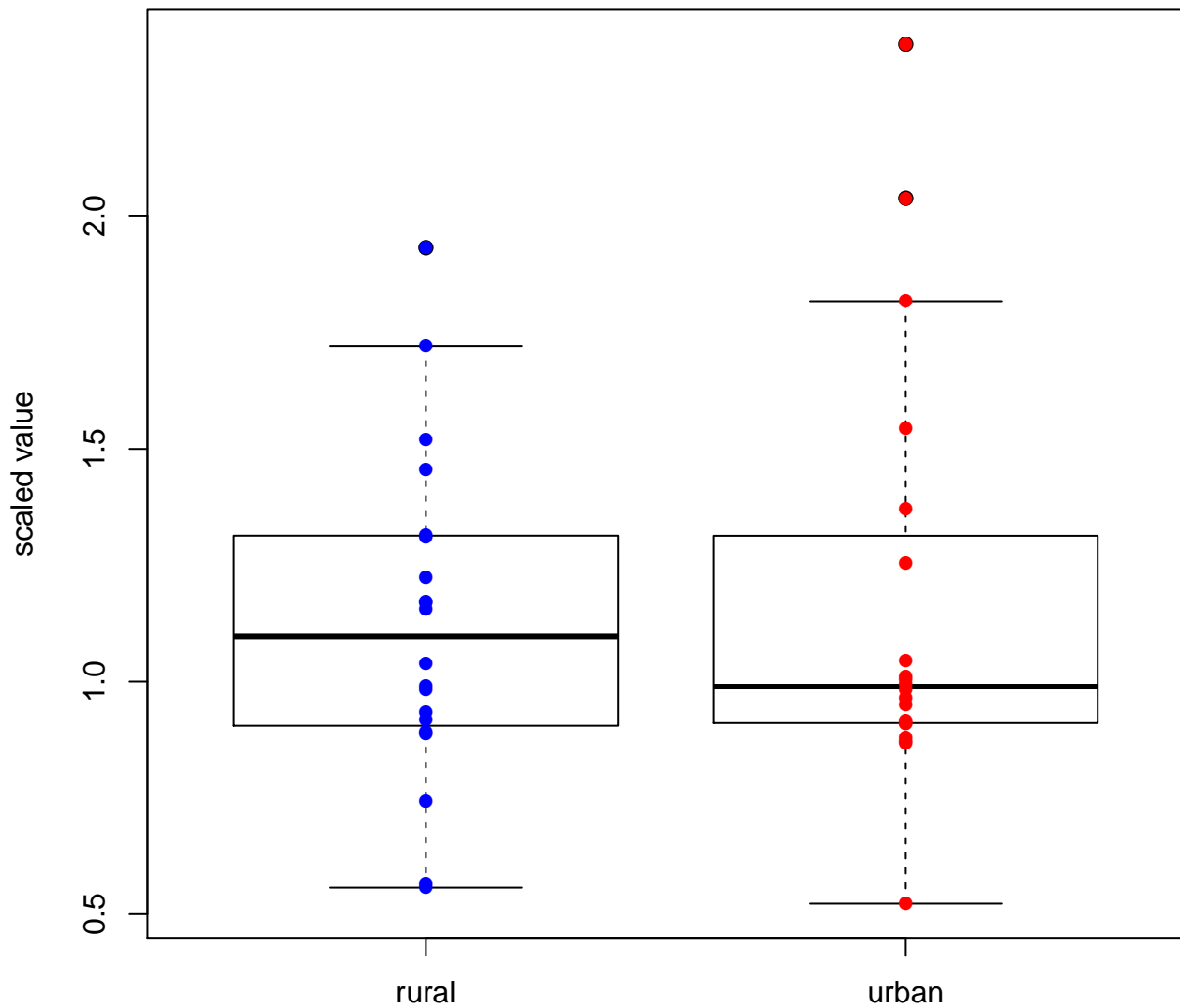
metabolite: 1-stearoyl-GPE (18:0)

pAdjRuralUrban= 0.891

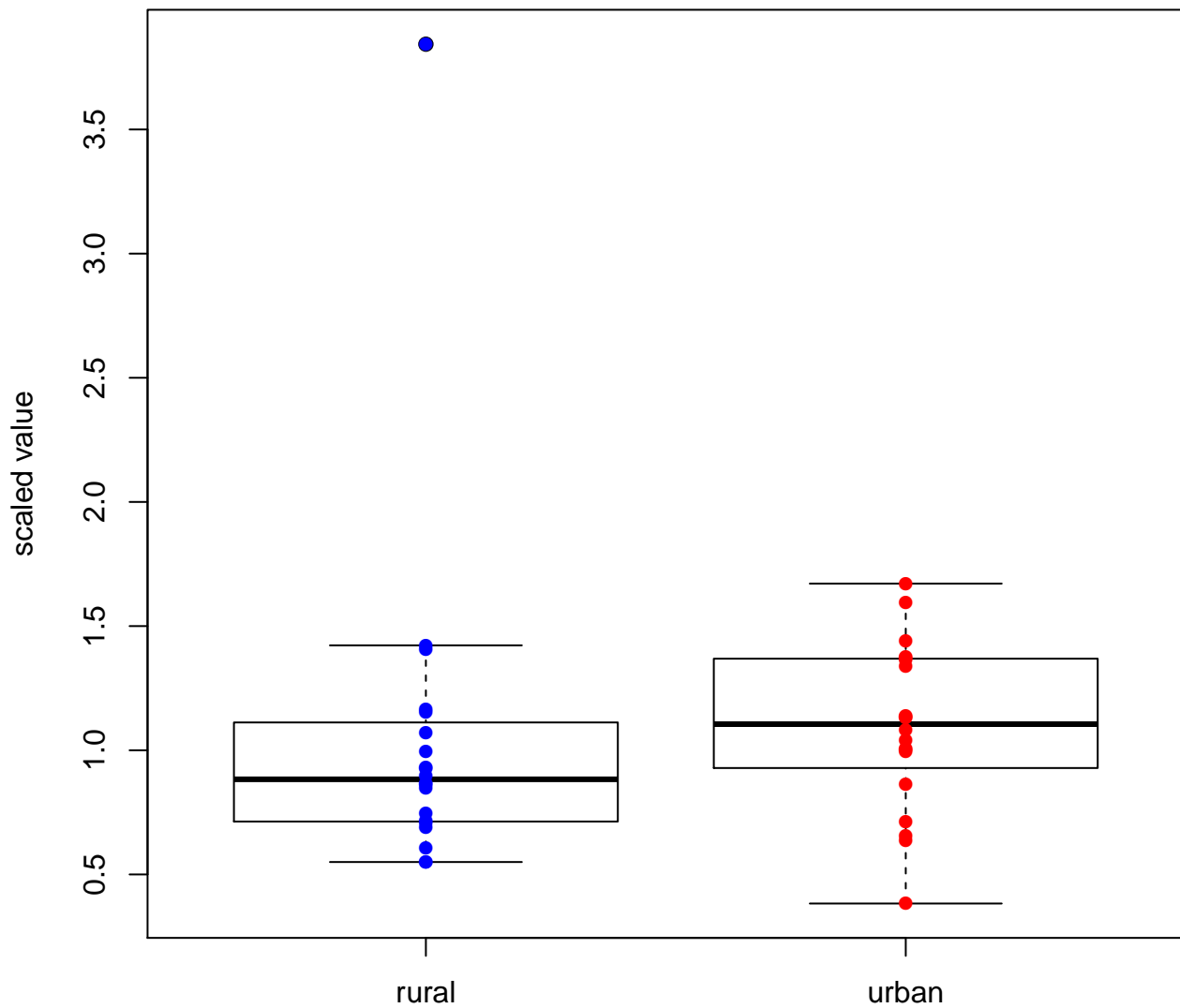


metabolite: glutaryl carnitine (C5)

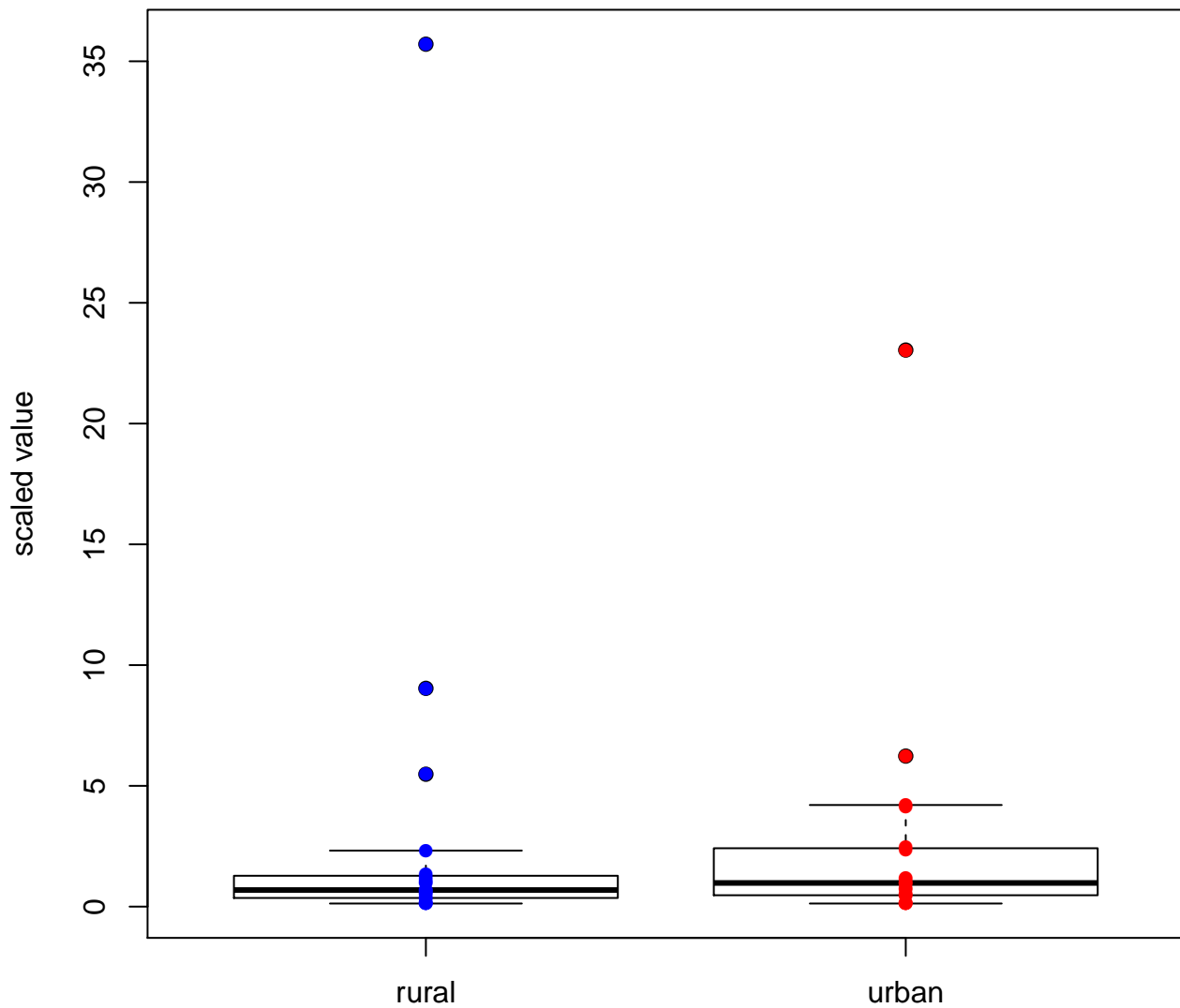
pAdjRuralUrban= 0.907



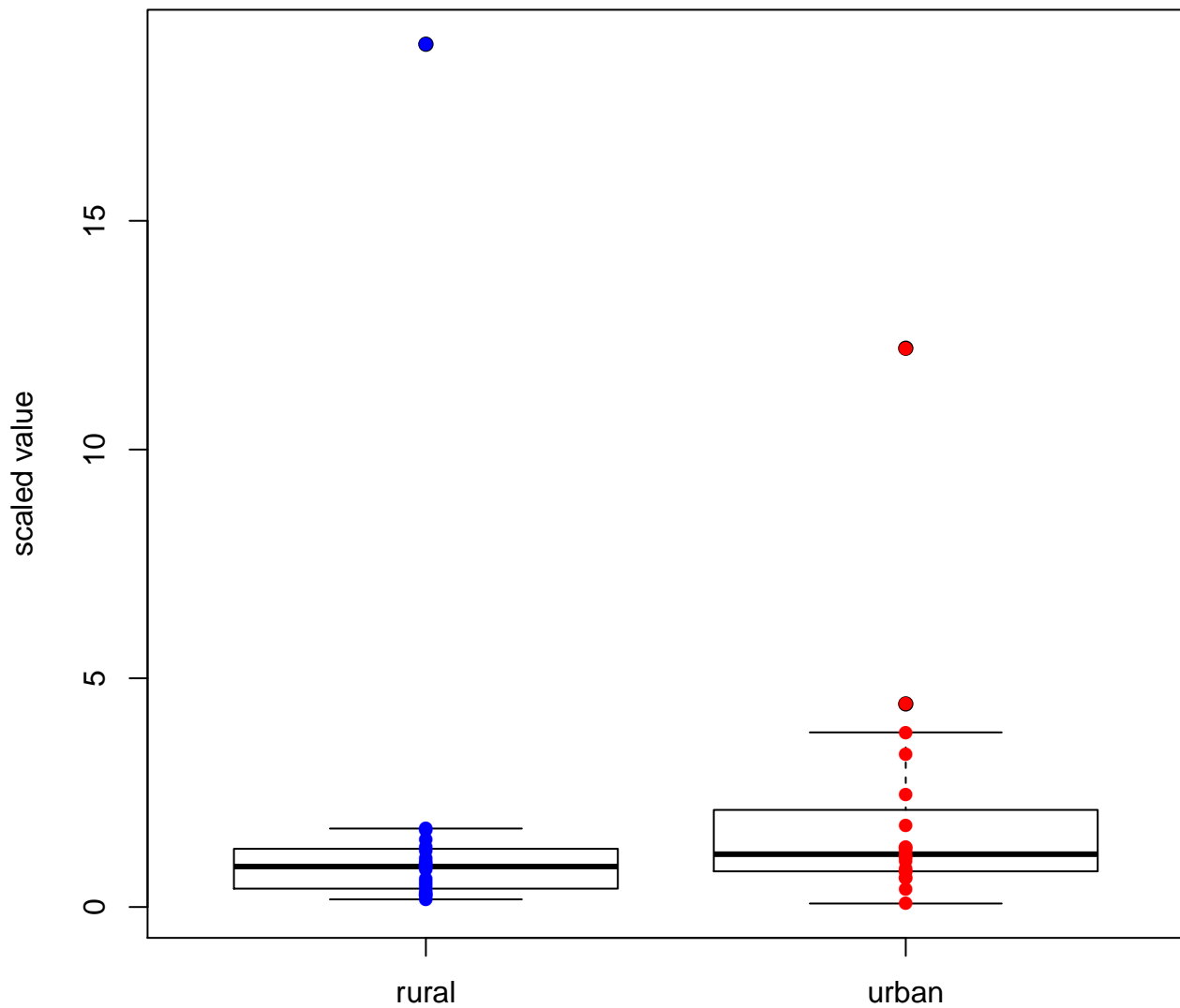
metabolite: cysteine  
pAdjRuralUrban= 0.915



metabolite: chiro-inositol  
pAdjRuralUrban= 0.918

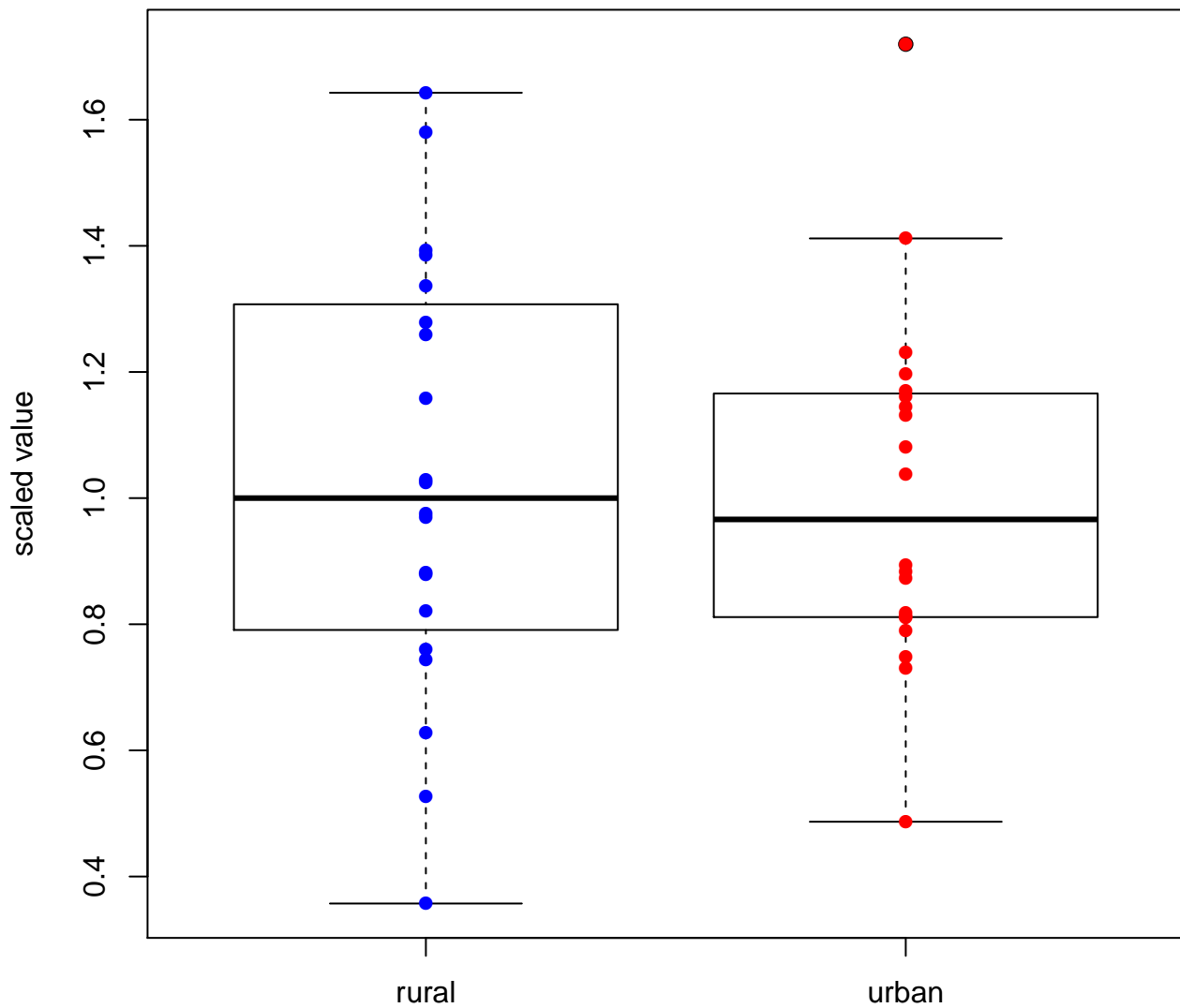


metabolite: glycocholate  
pAdjRuralUrban= 0.919



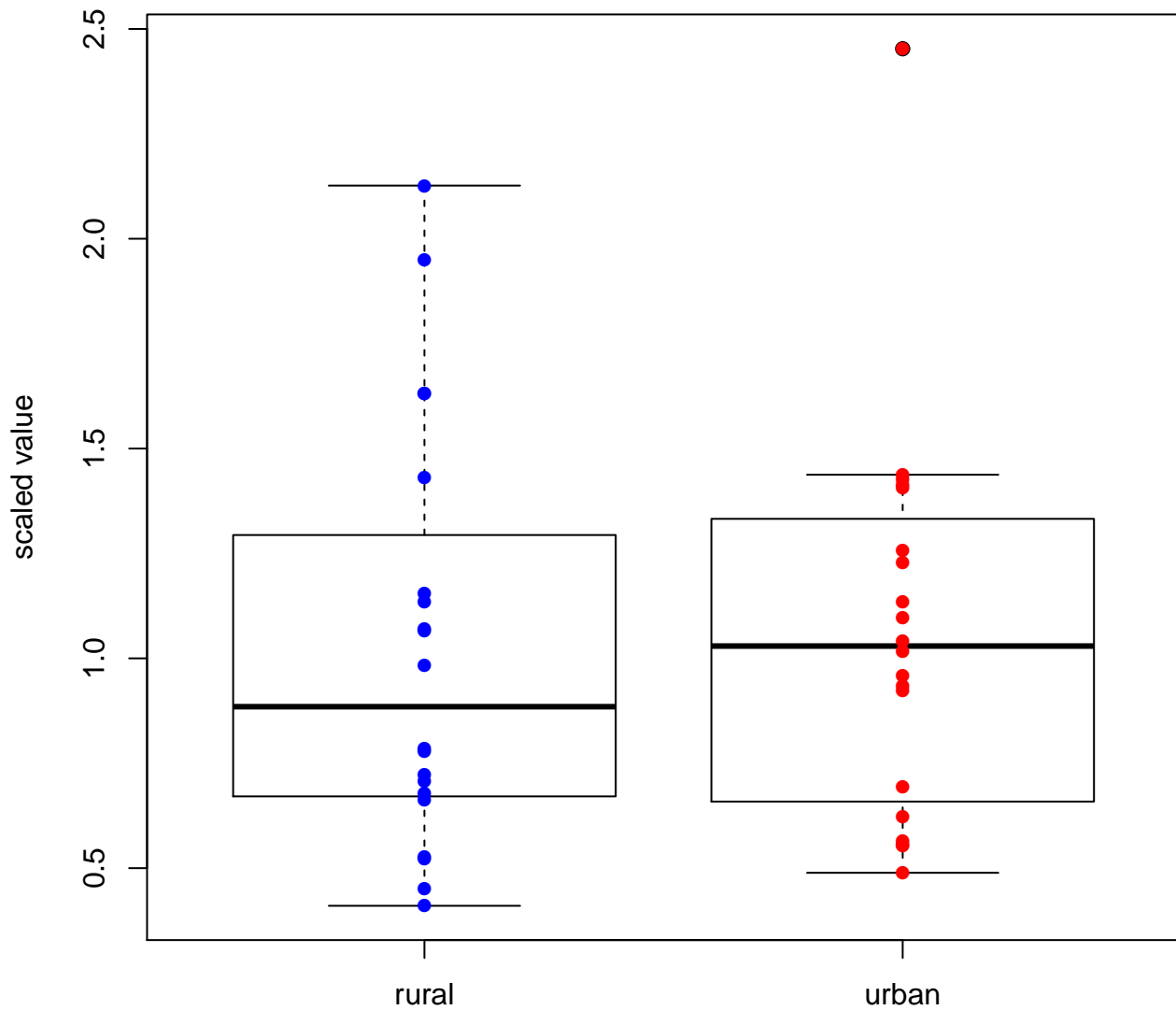


metabolite: beta-alanine  
pAdjRuralUrban= 0.921

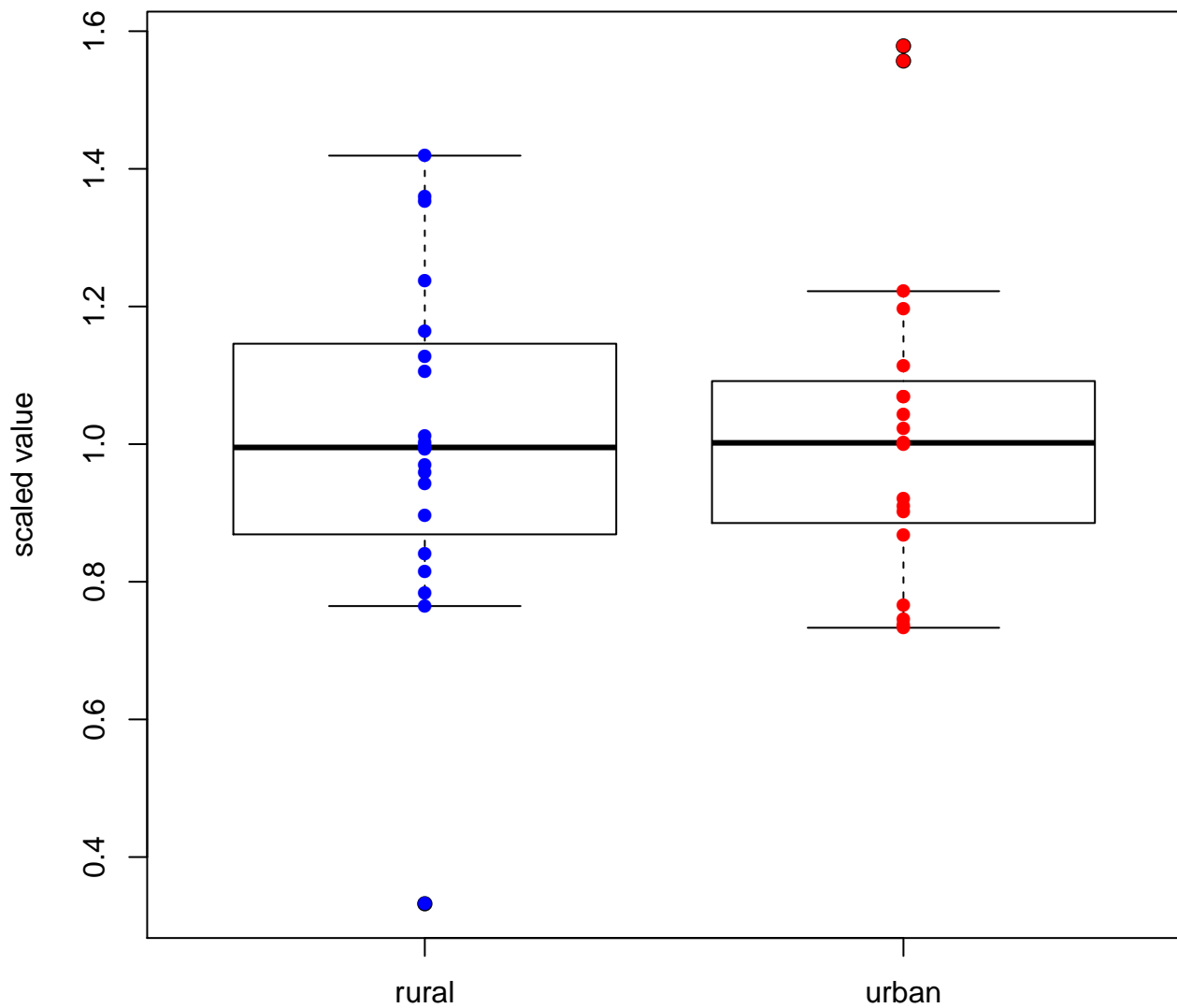


metabolite: mead acid (20:3n9)

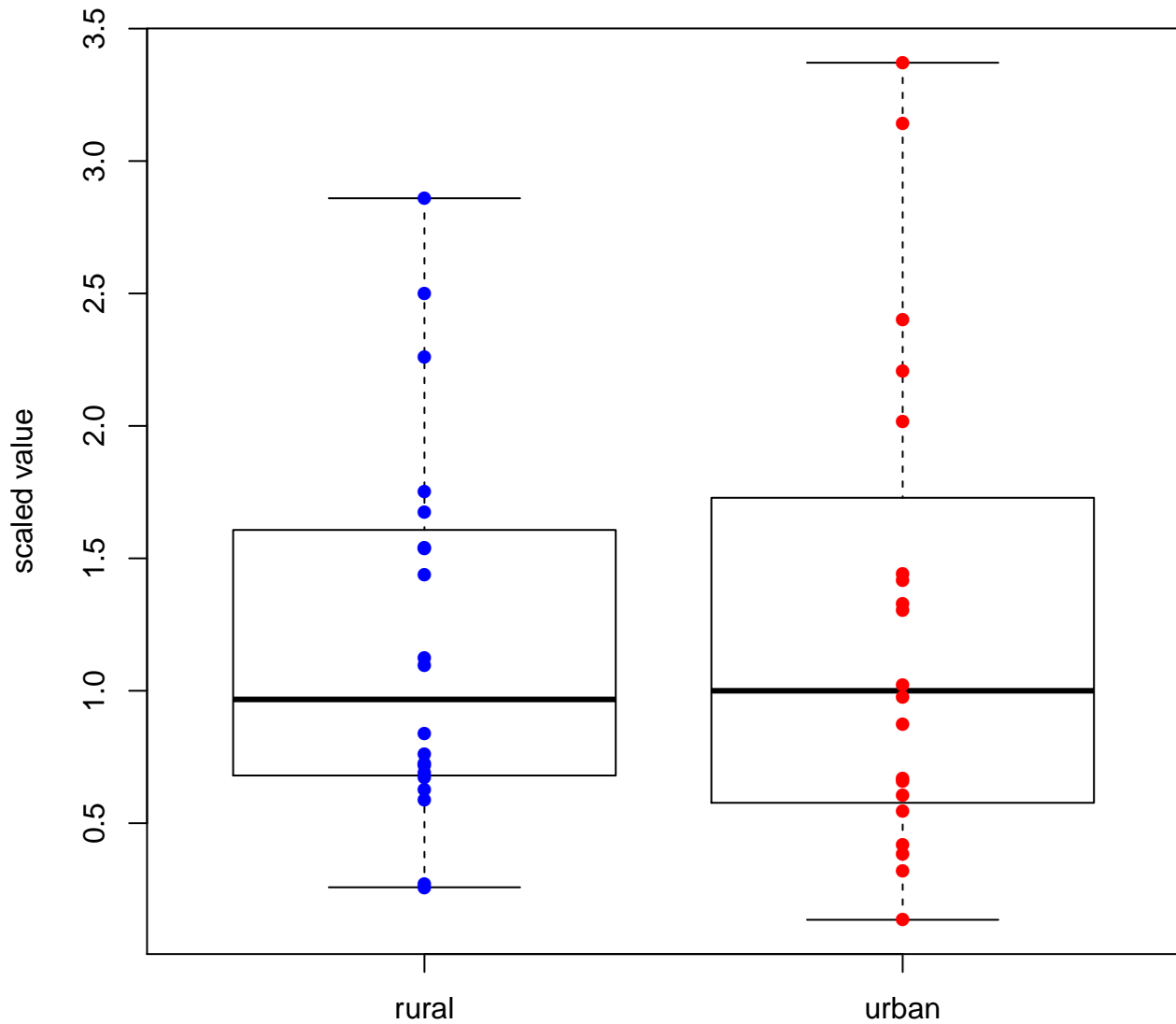
pAdjRuralUrban= 0.921



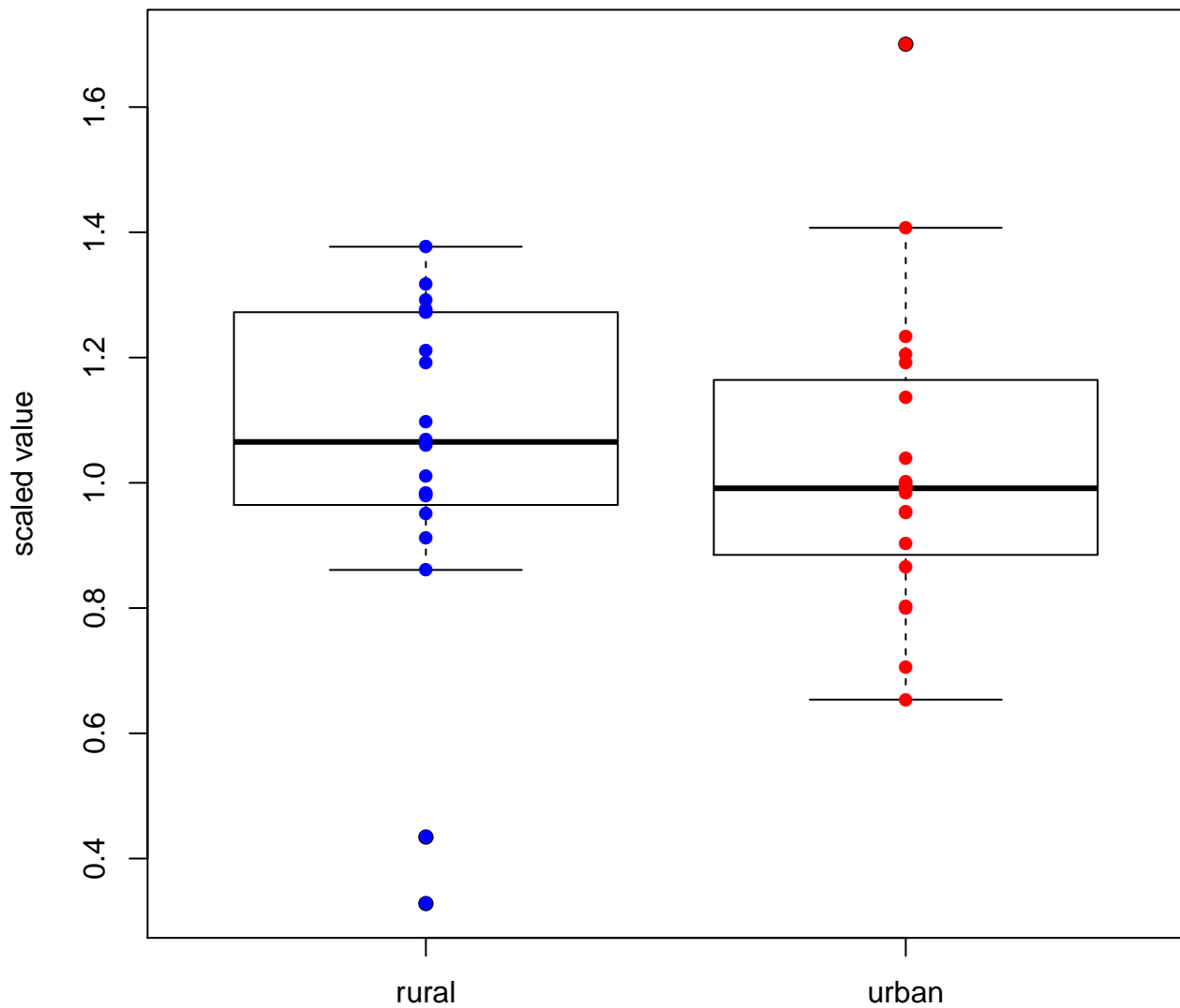
metabolite: serine  
pAdjRuralUrban= 0.921



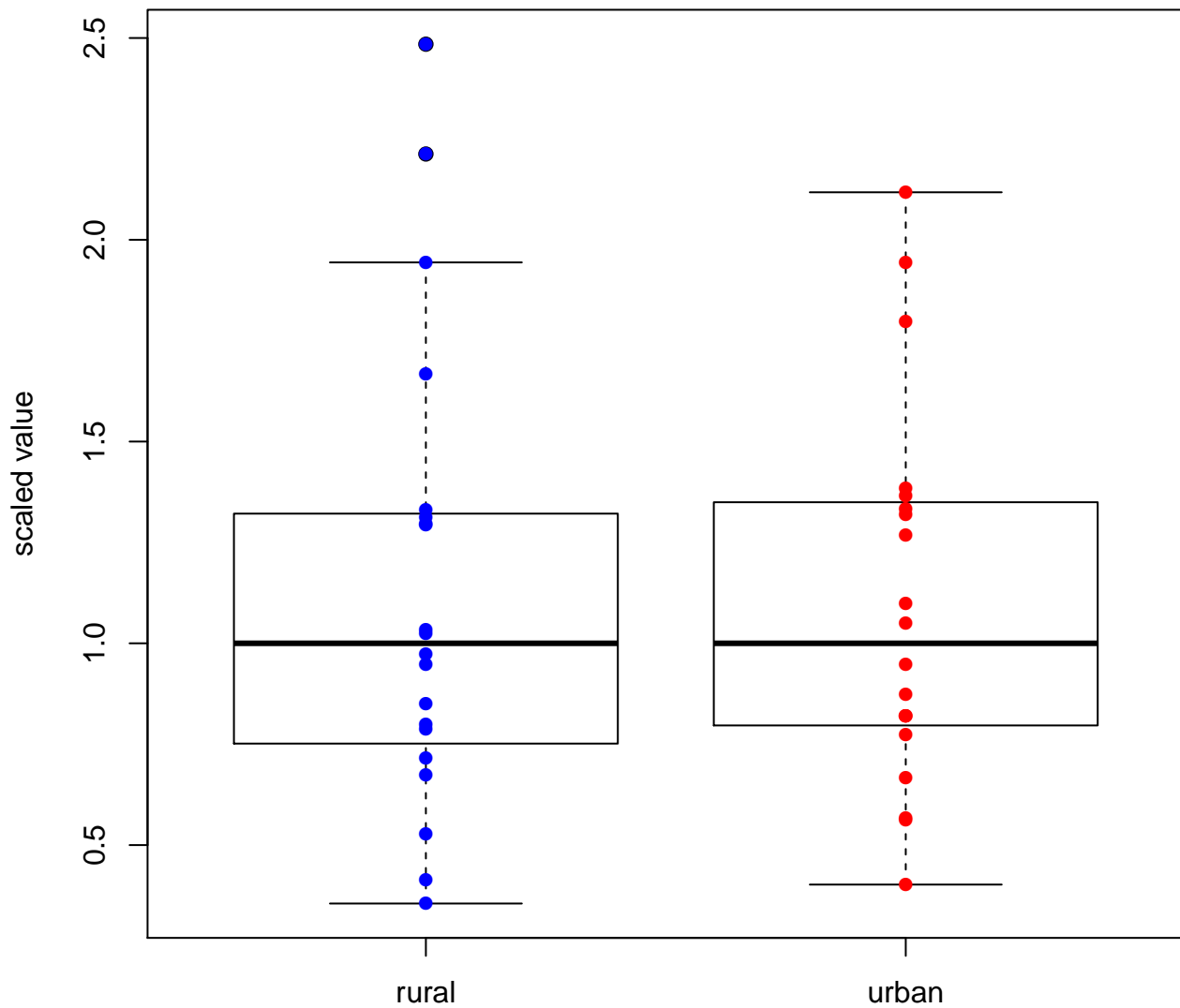
metabolite: 3-aminoisobutyrate  
pAdjRuralUrban= 0.921



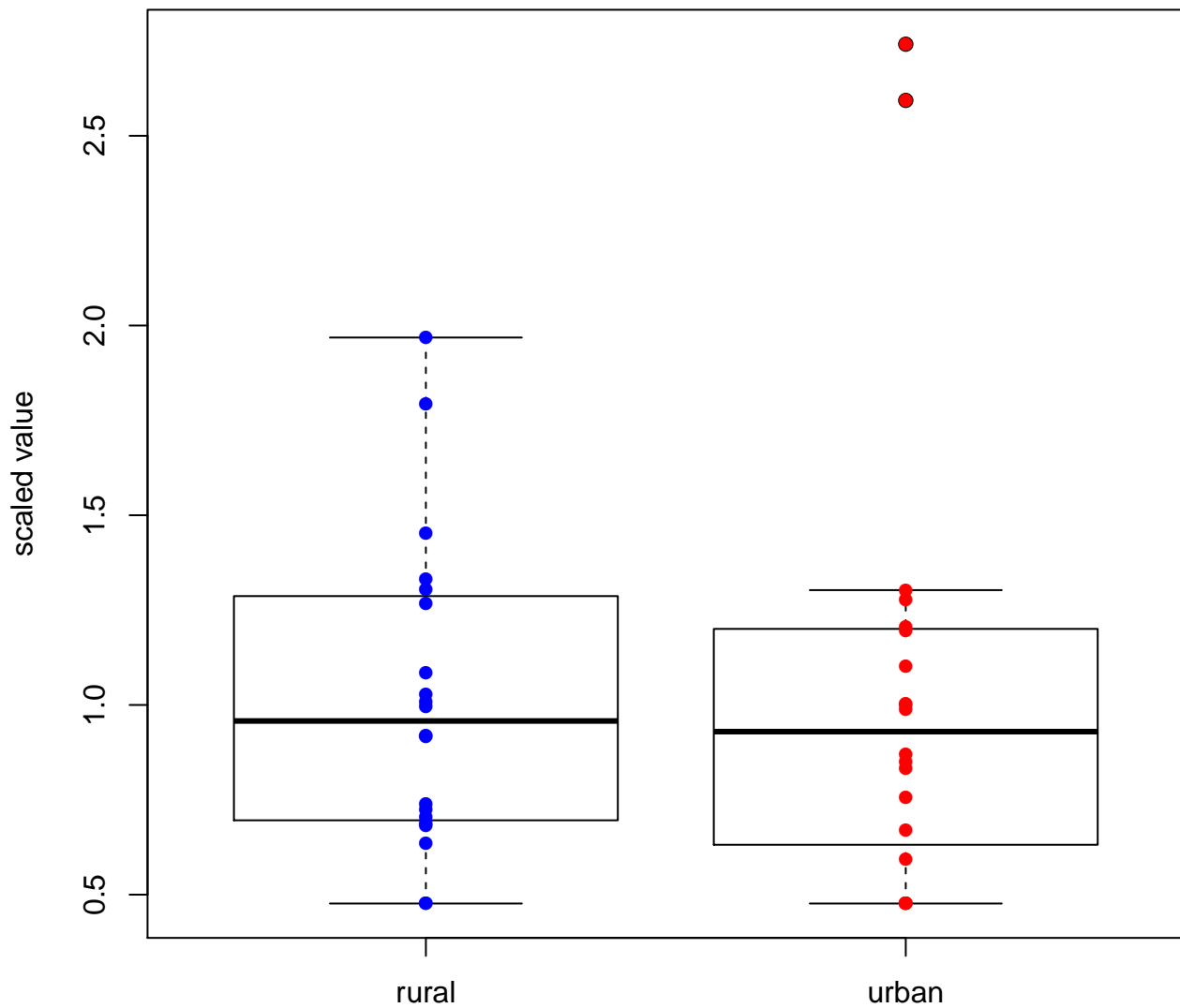
metabolite: N-acetylserine  
pAdjRuralUrban= 0.94



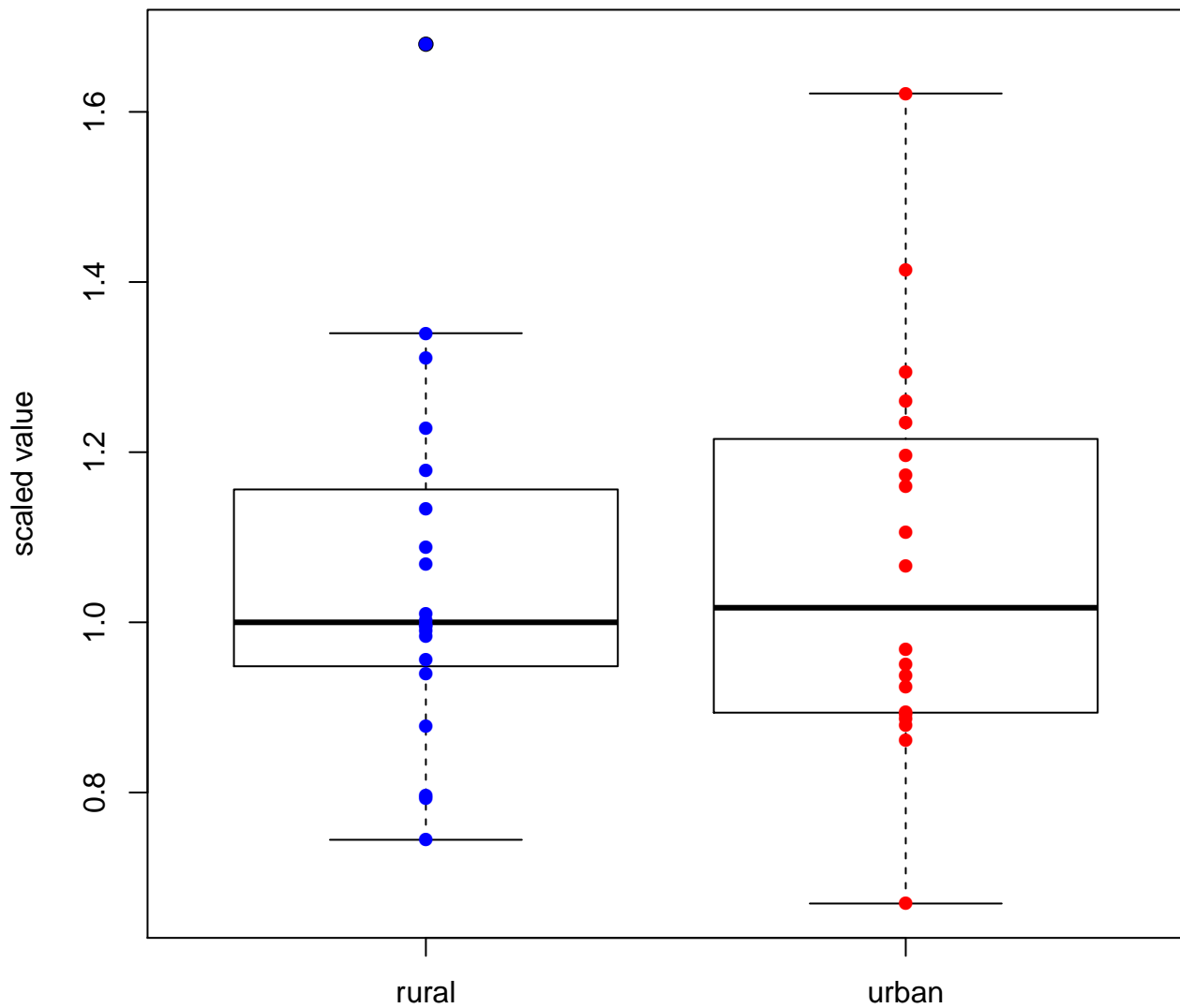
metabolite: 2-aminooctanoate  
pAdjRuralUrban= 0.944



metabolite: alpha-hydroxyisocaproate  
pAdjRuralUrban= 0.947

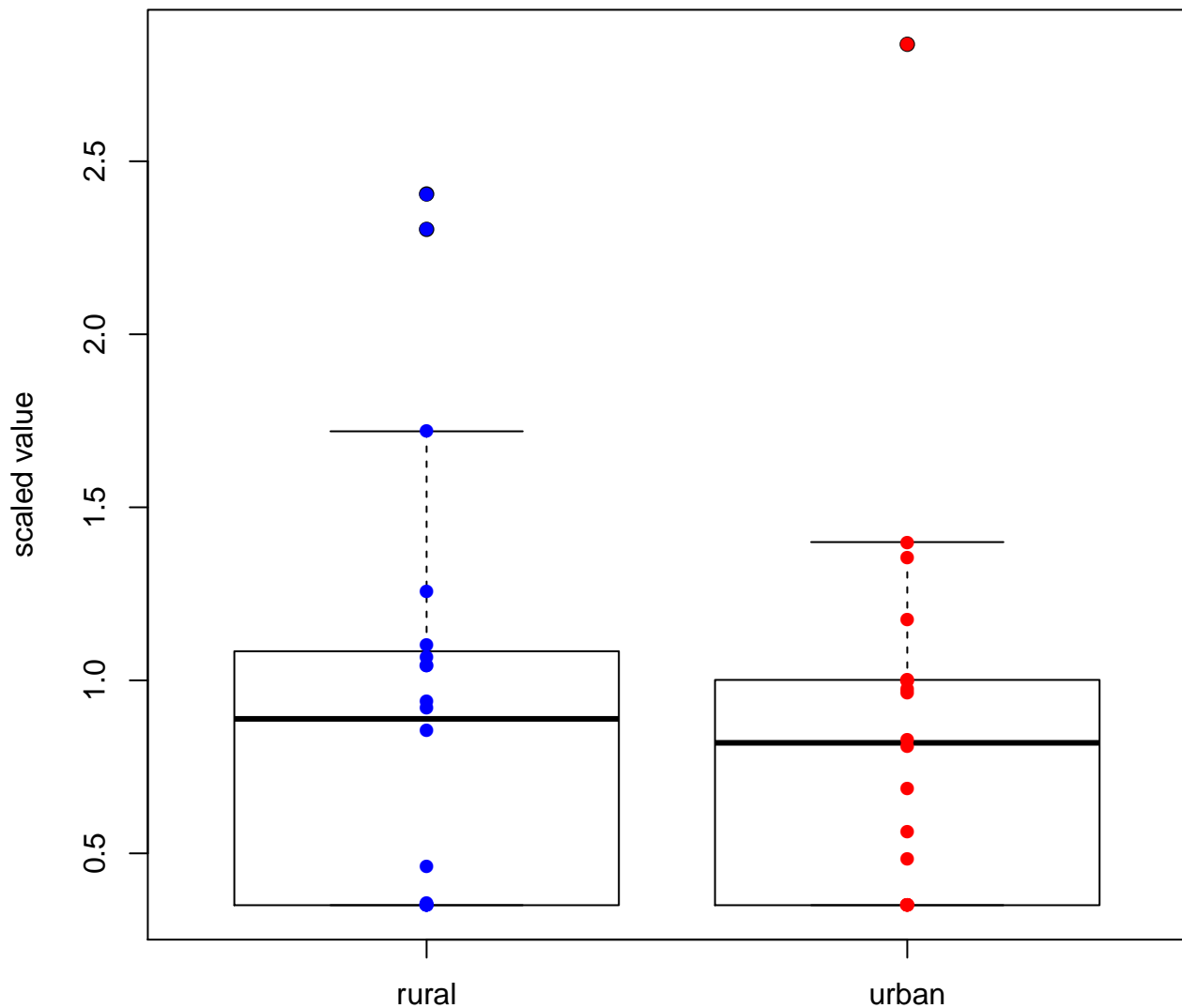


metabolite: leucine  
pAdjRuralUrban= 0.947

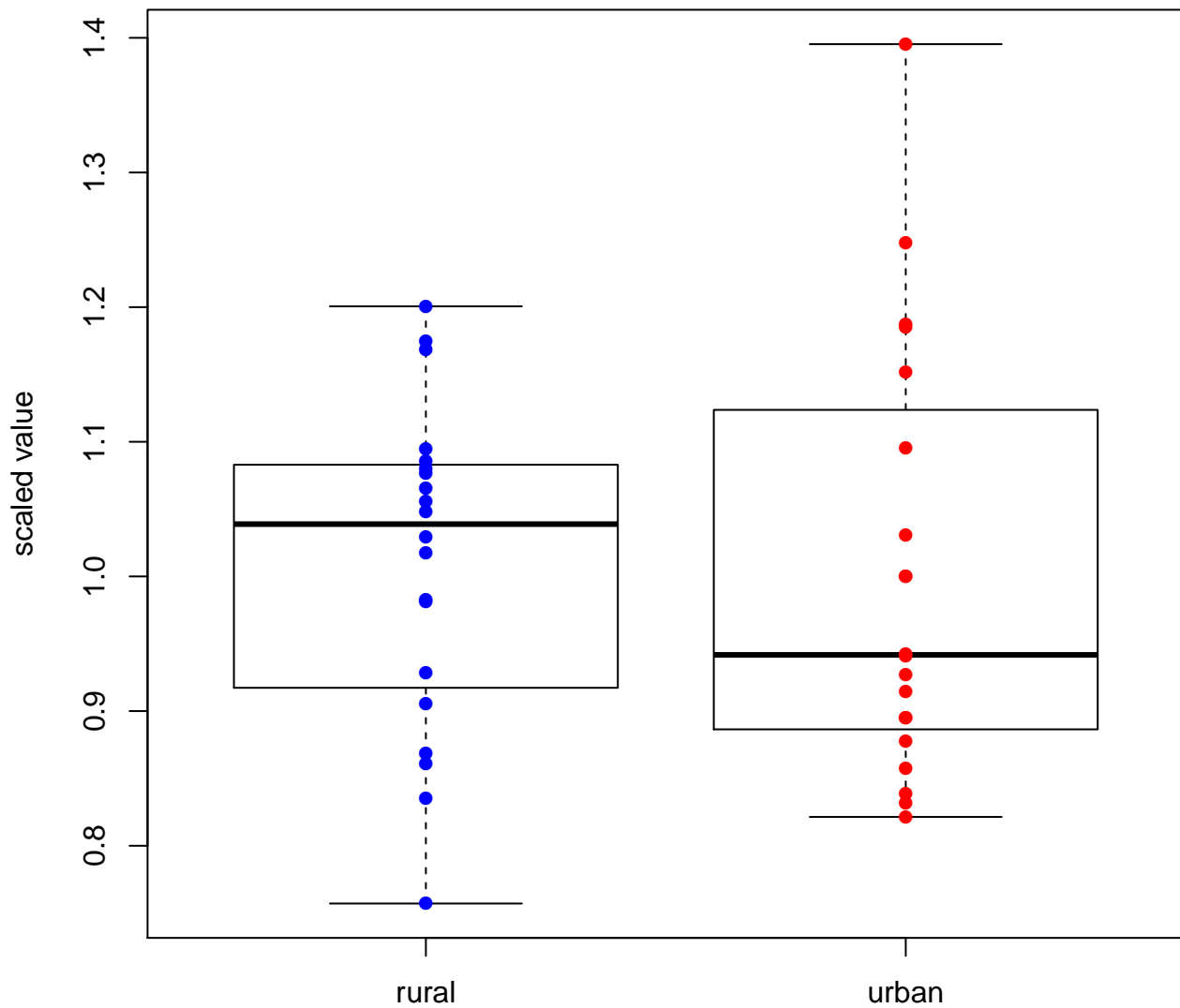




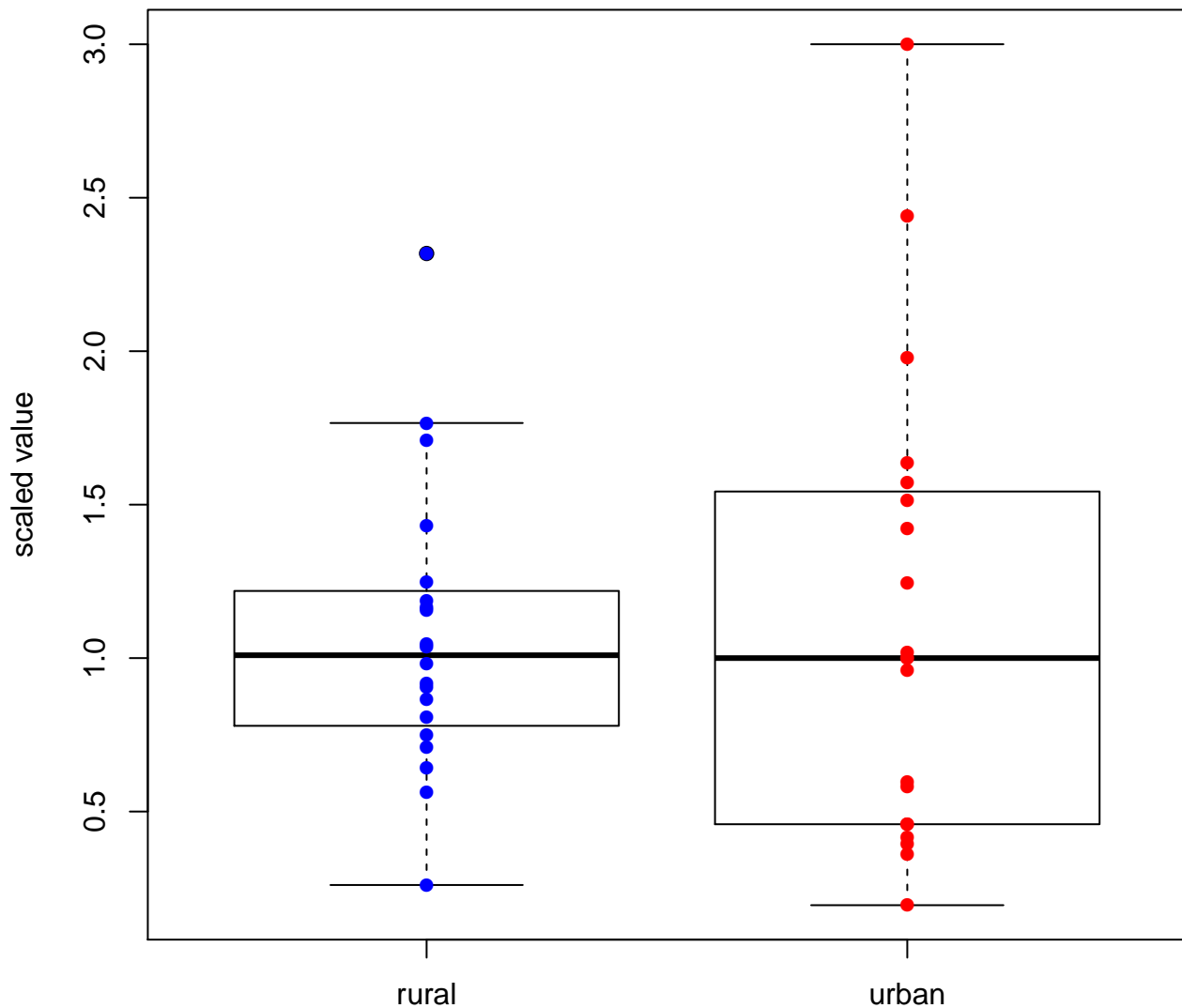
metabolite: phenylacetylcarnitine  
pAdjRuralUrban= 0.947



metabolite: phosphate  
pAdjRuralUrban= 0.947

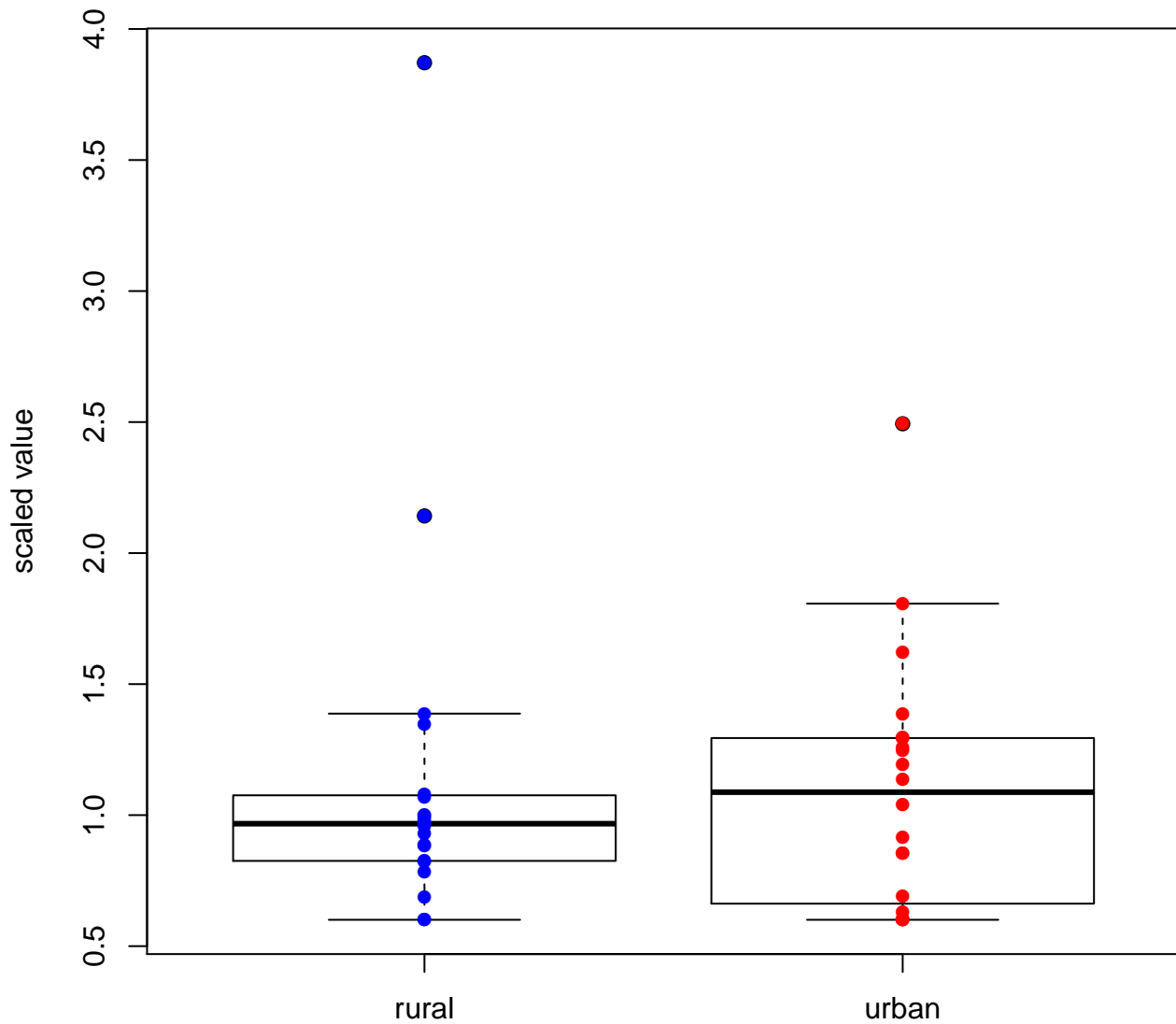


metabolite: pregnen-diol disulfate  
pAdjRuralUrban= 0.947



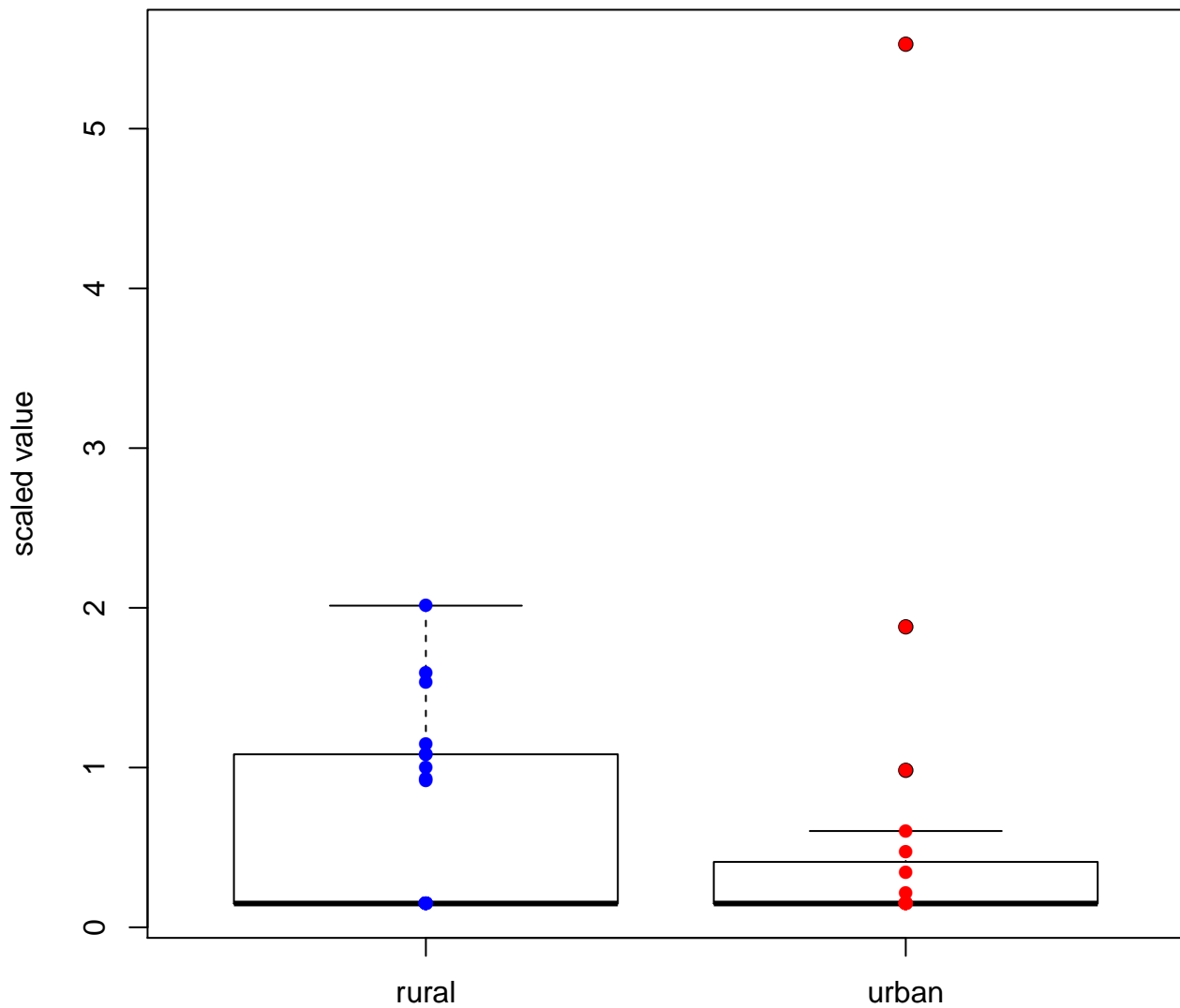
metabolite: phenyllactate (PLA)

pAdjRuralUrban= 0.951



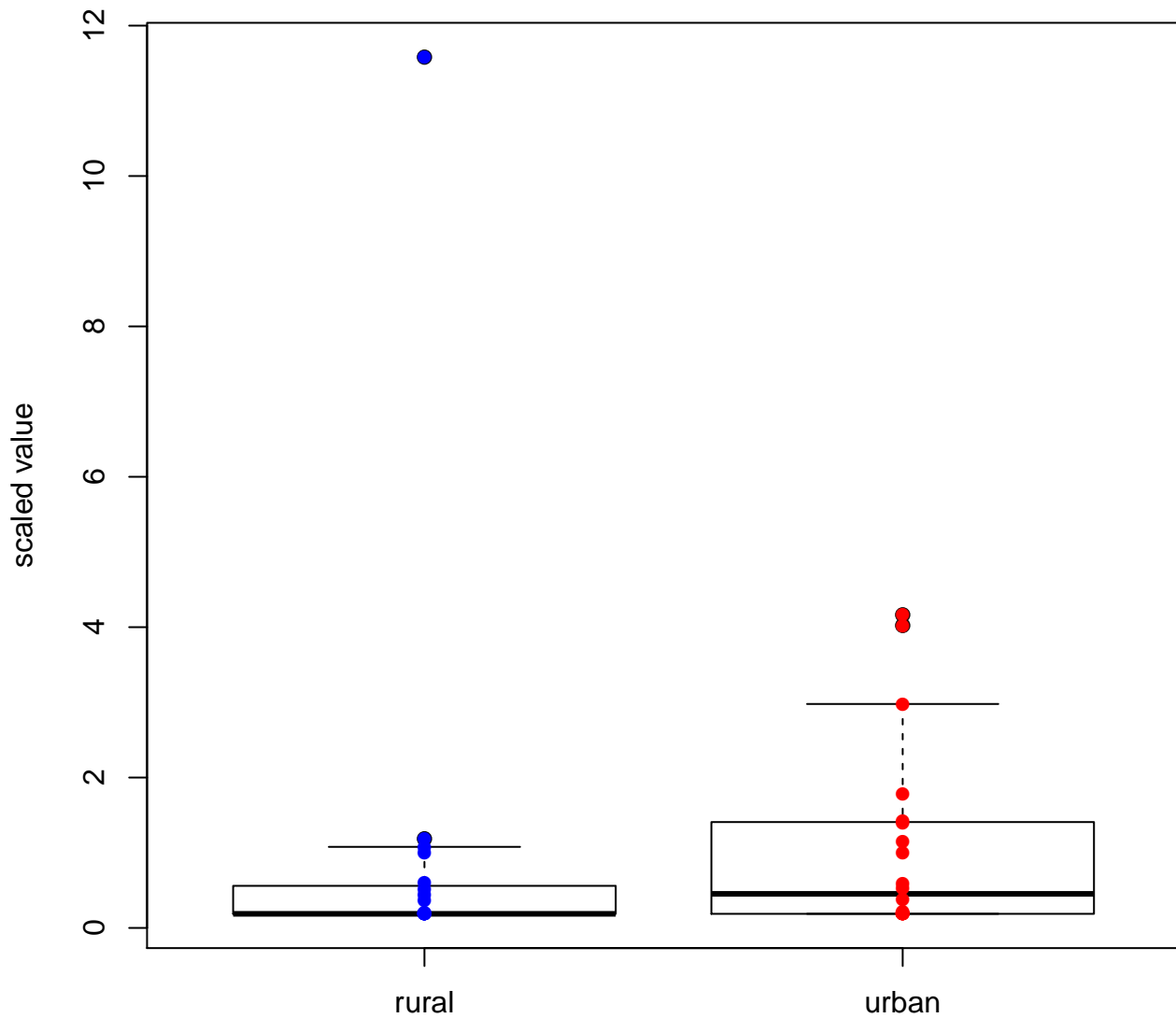
metabolite: 3-methyl catechol sulfate (1)

pAdjRuralUrban= 0.954

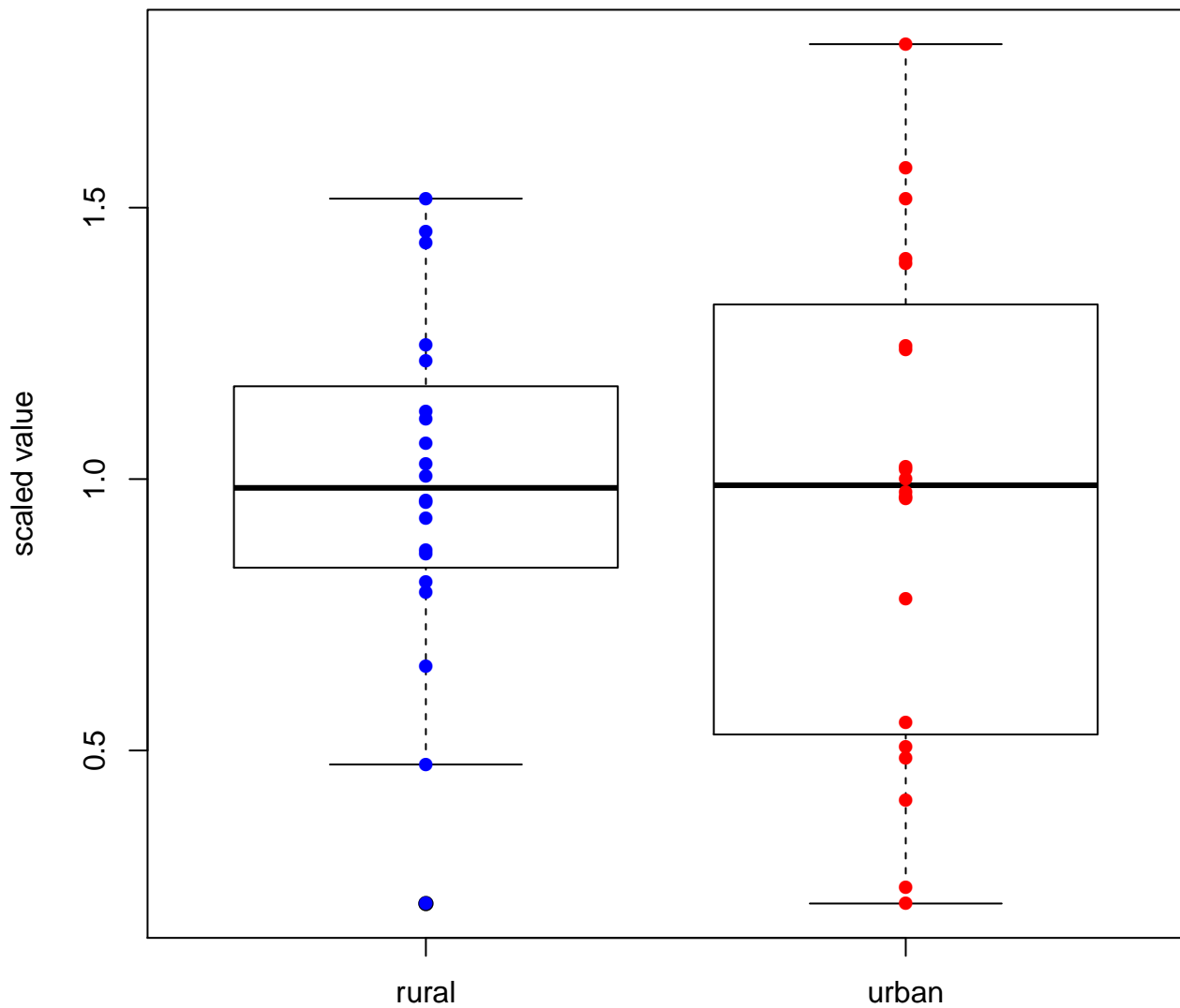


metabolite: daidzein sulfate (2)

pAdjRuralUrban= 0.954

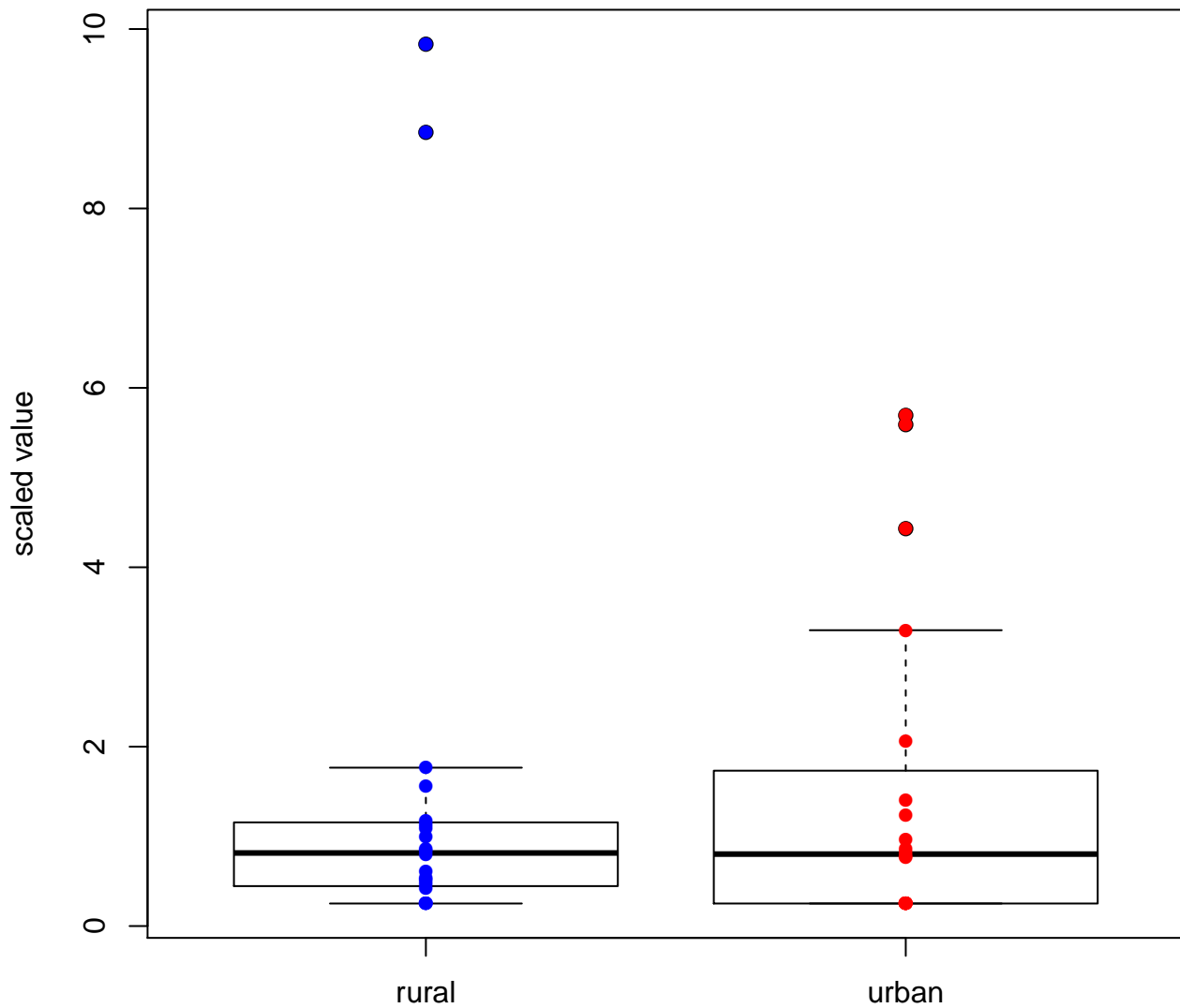


metabolite: fucose  
pAdjRuralUrban= 0.954



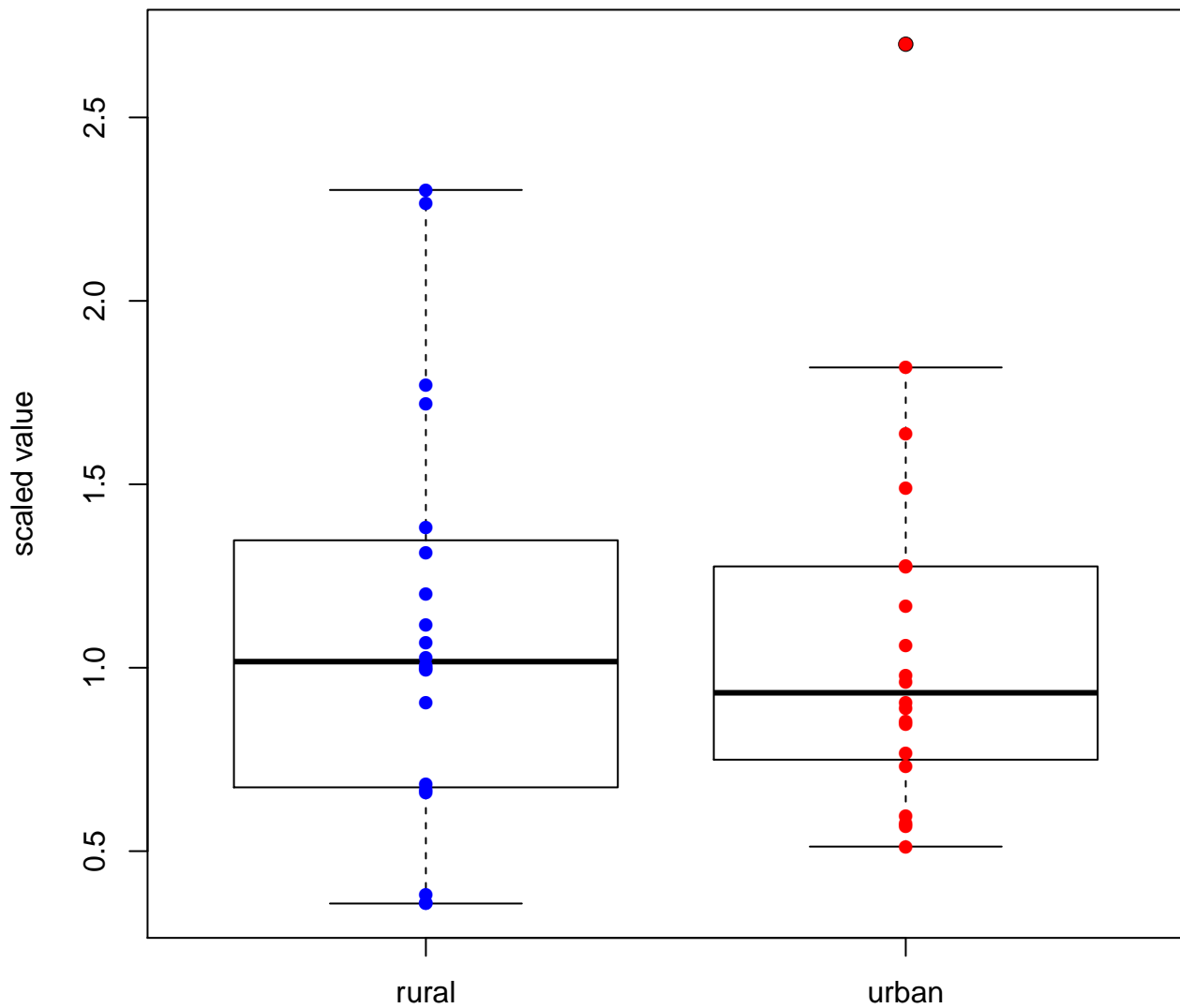
metabolite: glycodeoxycholate

pAdjRuralUrban= 0.954

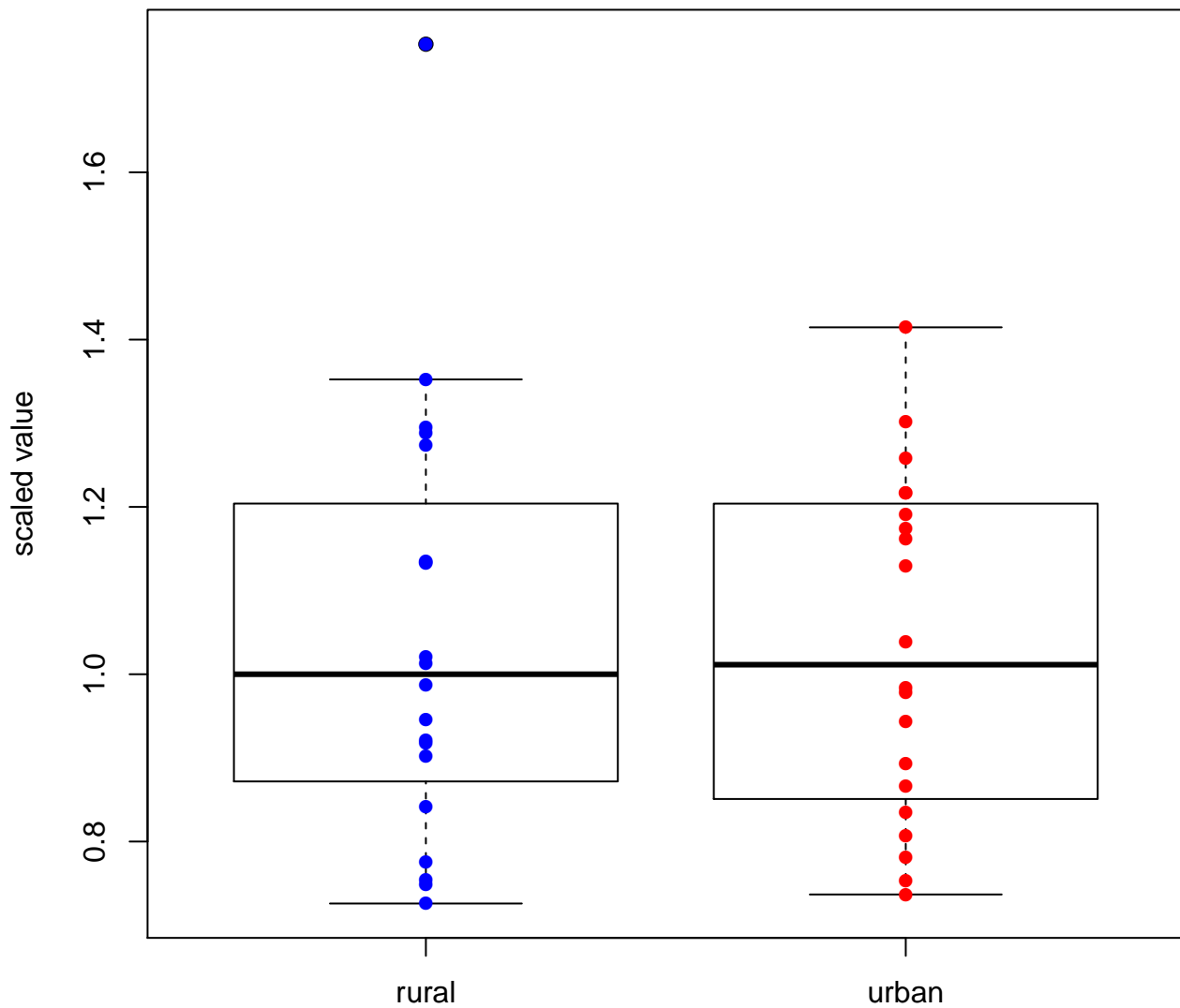




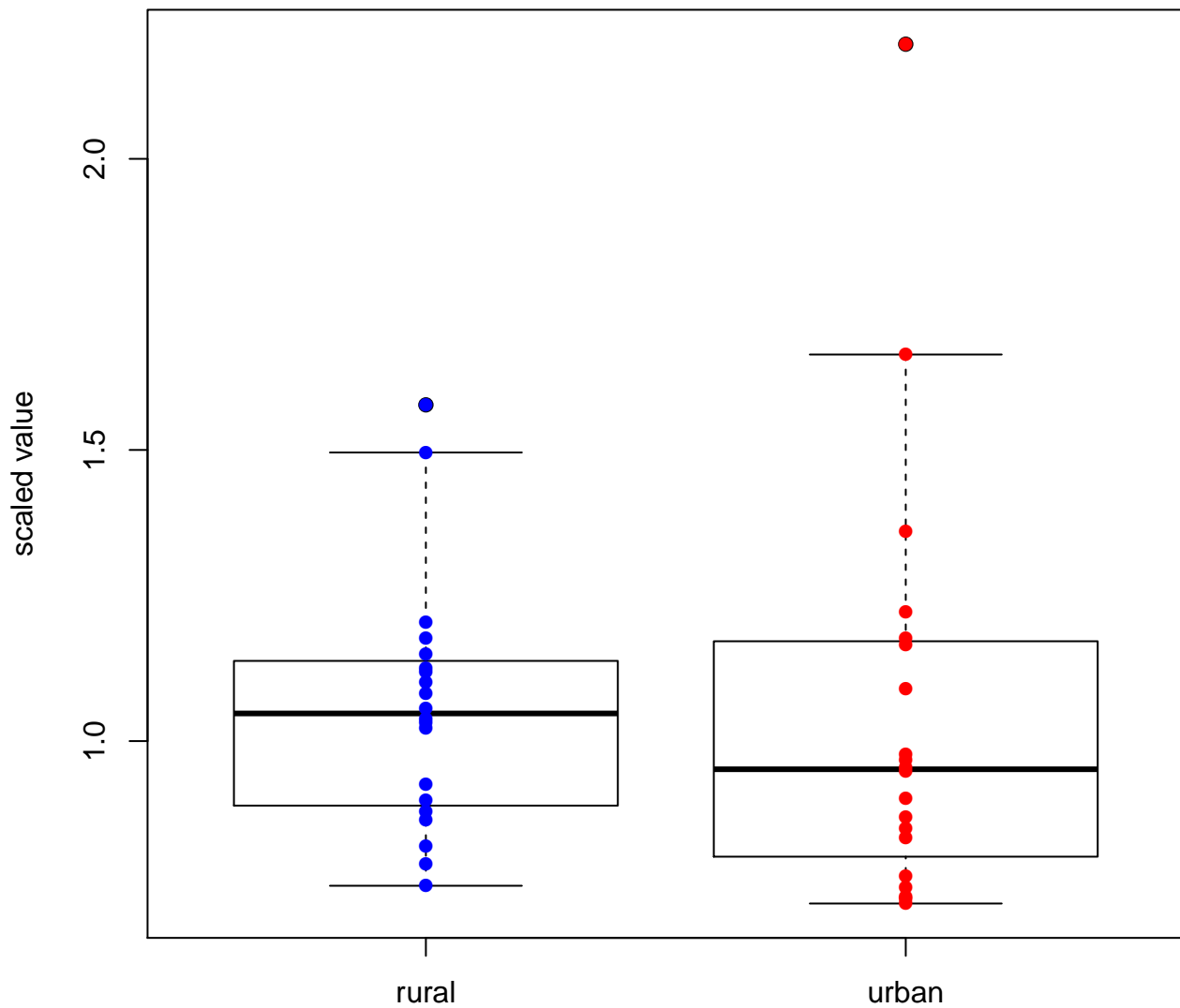
metabolite: N-acetylcarnosine  
pAdjRuralUrban= 0.954



metabolite: succinate  
pAdjRuralUrban= 0.954

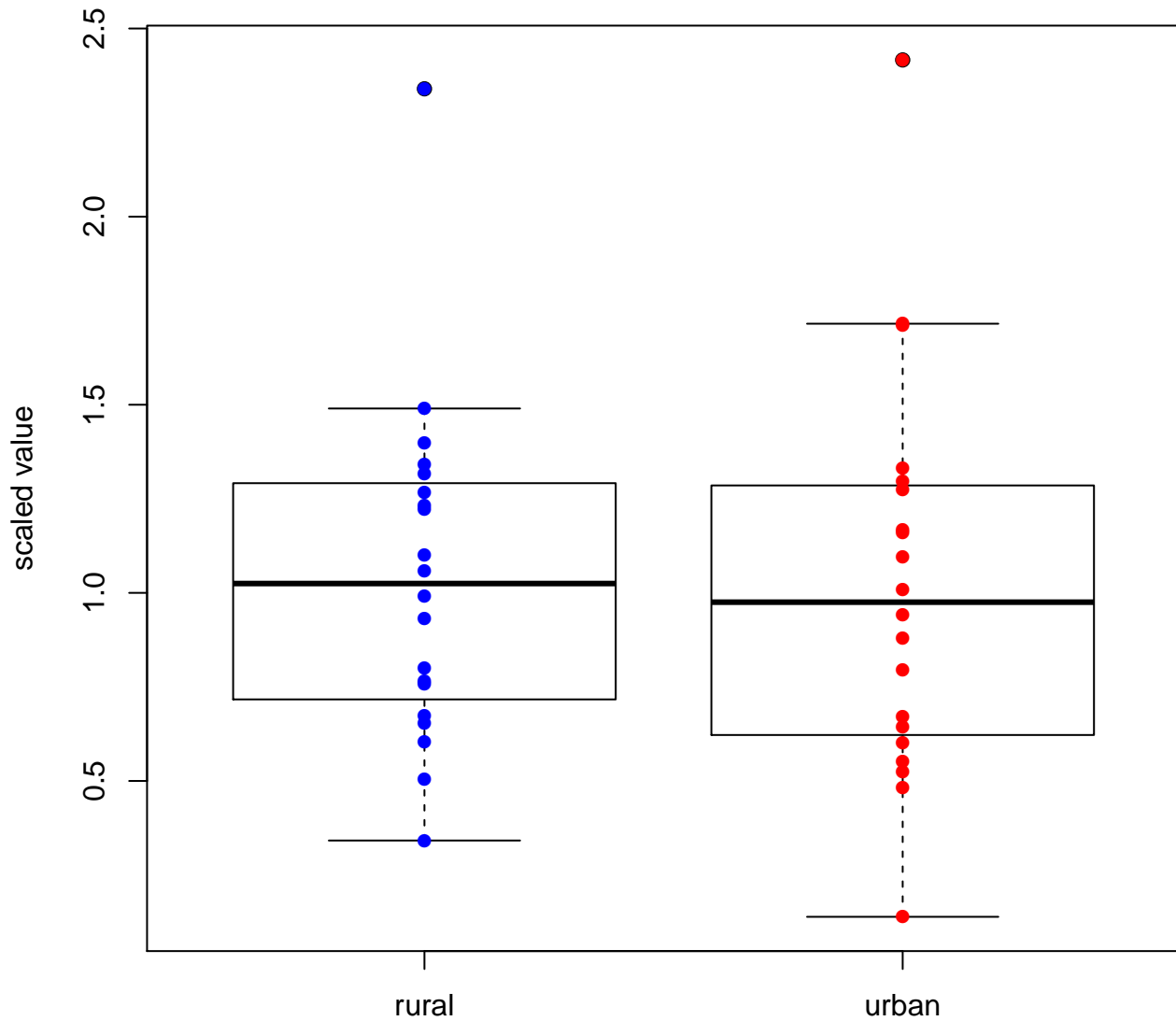


metabolite: 4-methyl-2-oxopentanoate  
pAdjRuralUrban= 0.964

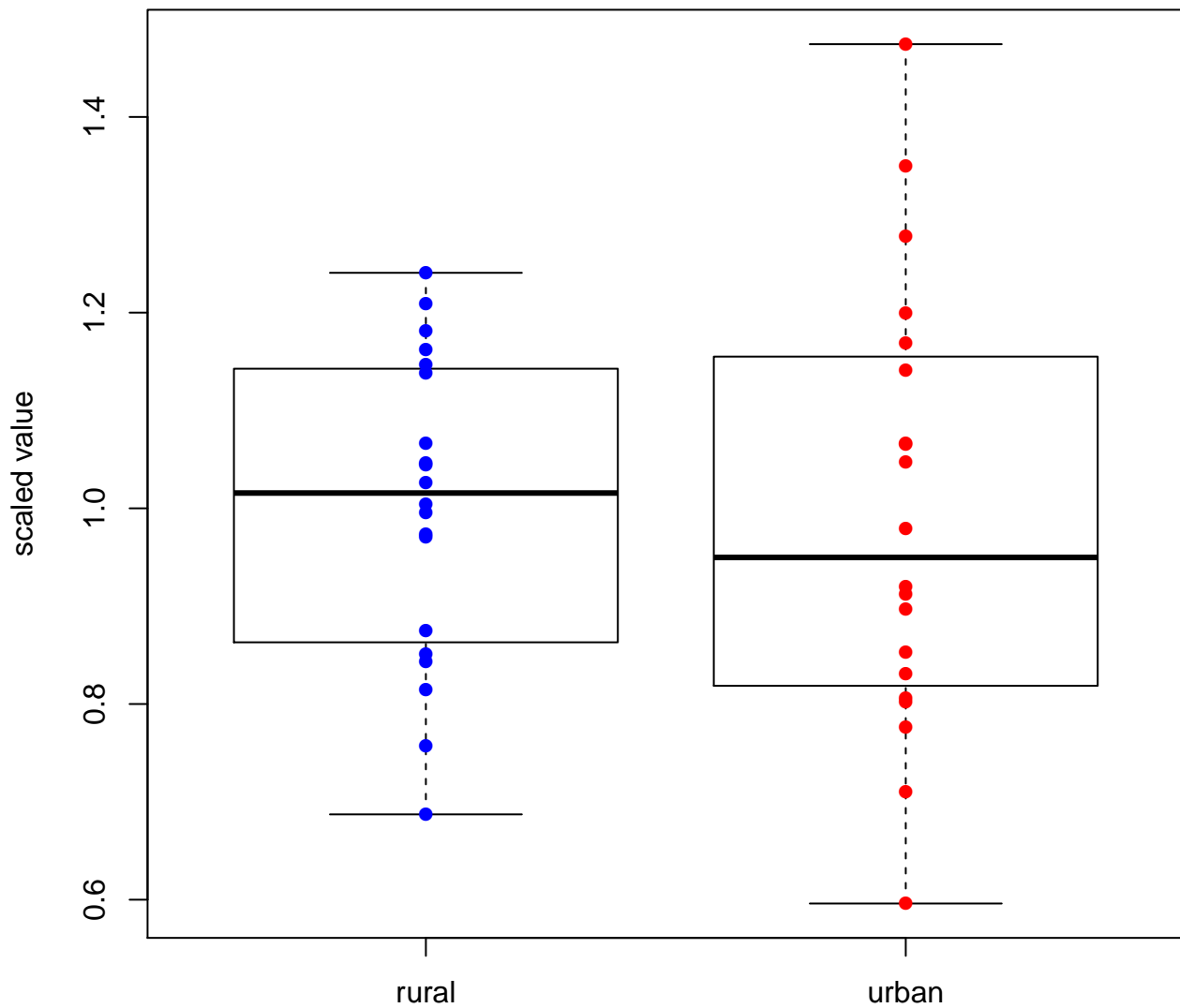


metabolite: bilirubin (Z,Z)

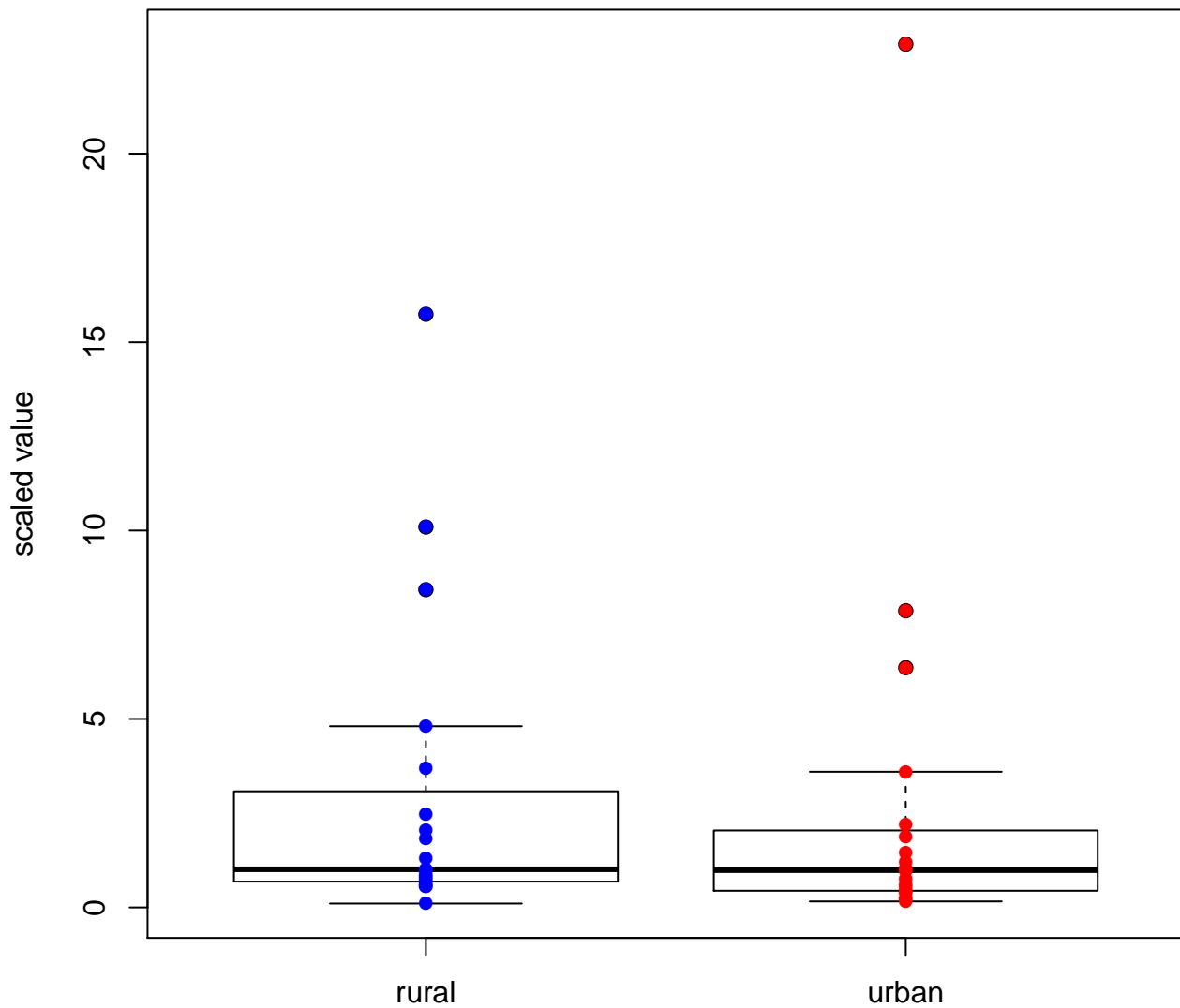
pAdjRuralUrban= 0.964



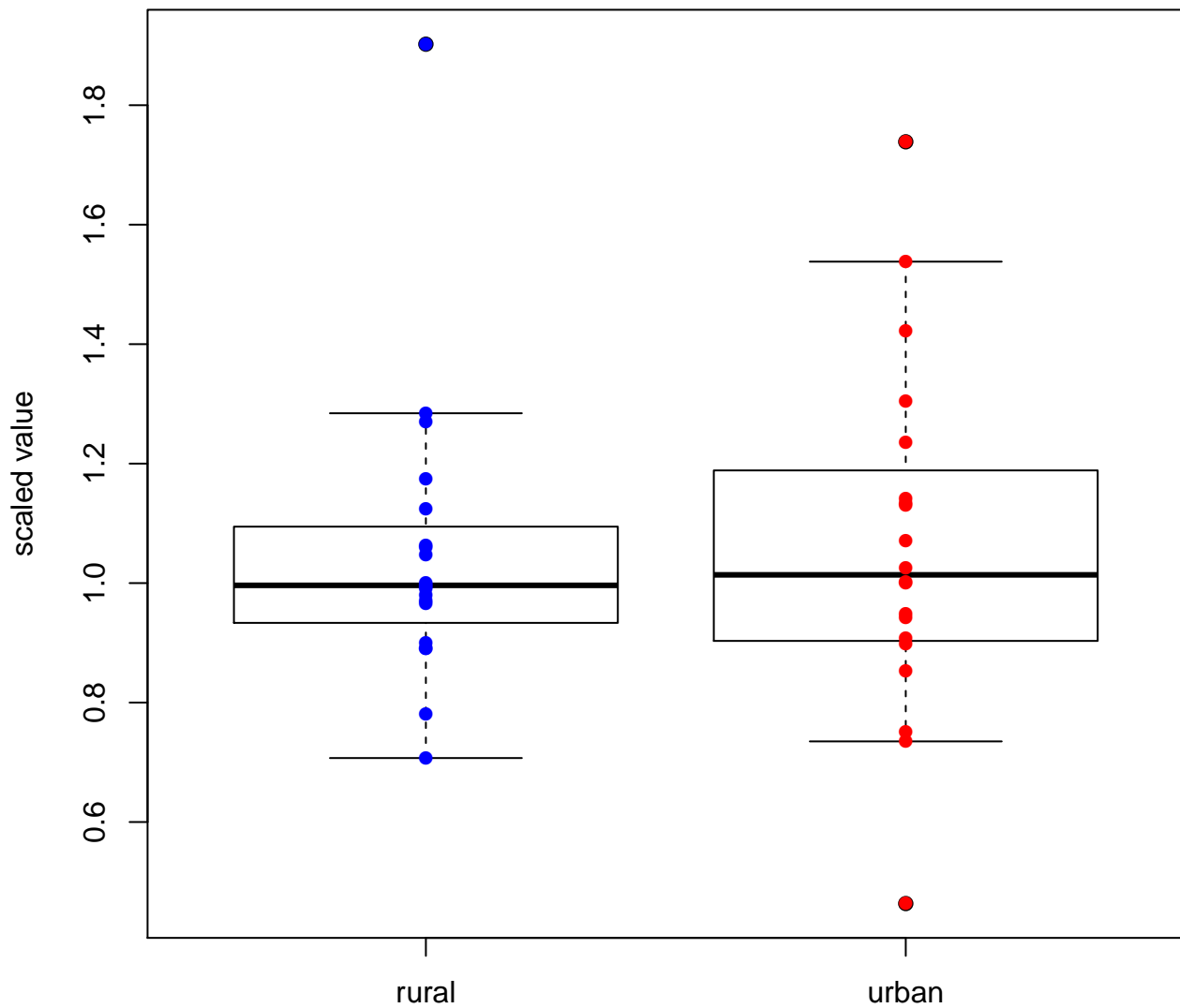
**metabolite: C-glycosyltryptophan**  
**pAdjRuralUrban= 0.964**



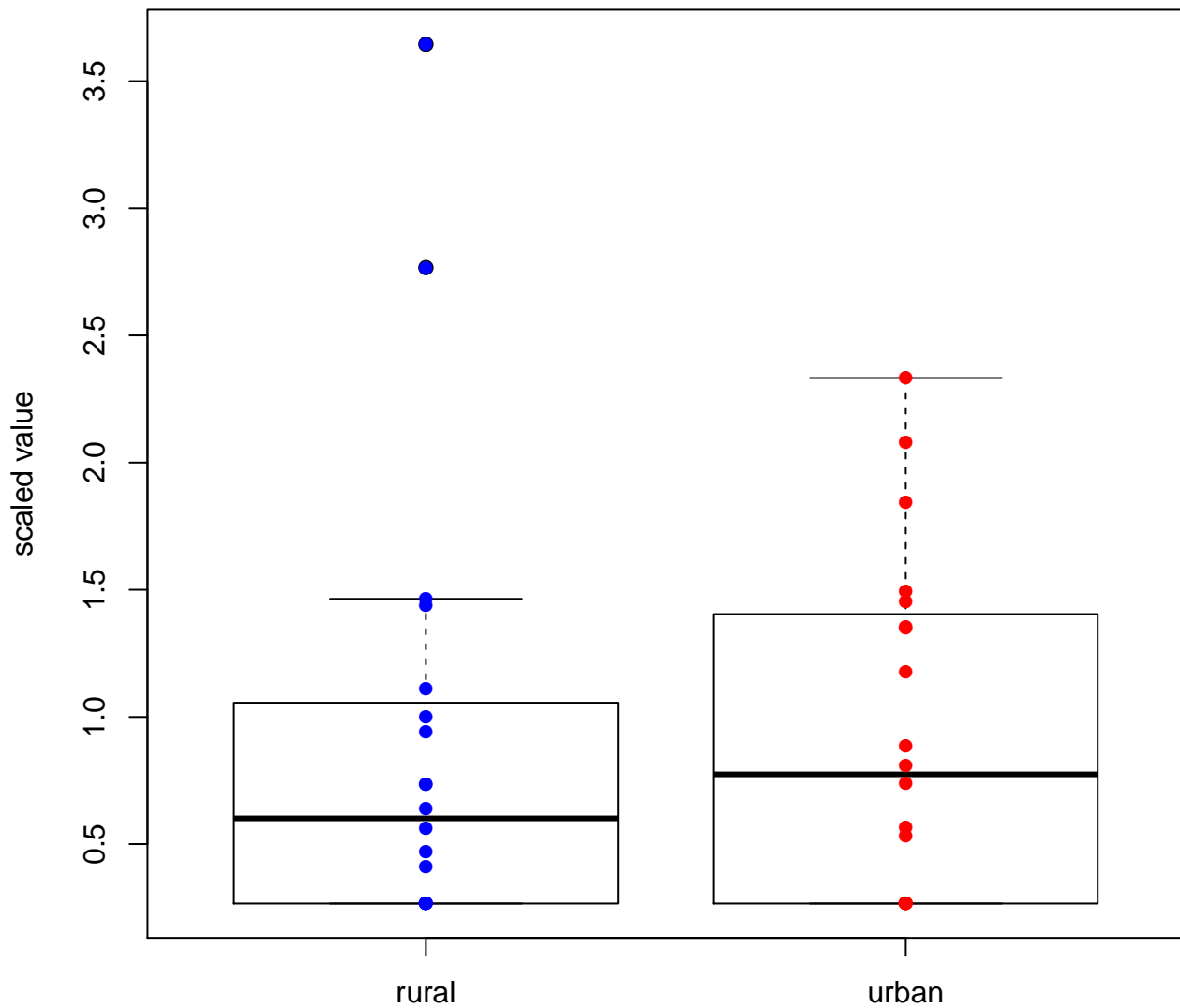
metabolite: cholate  
pAdjRuralUrban= 0.964



metabolite: kynurenine  
pAdjRuralUrban= 0.964

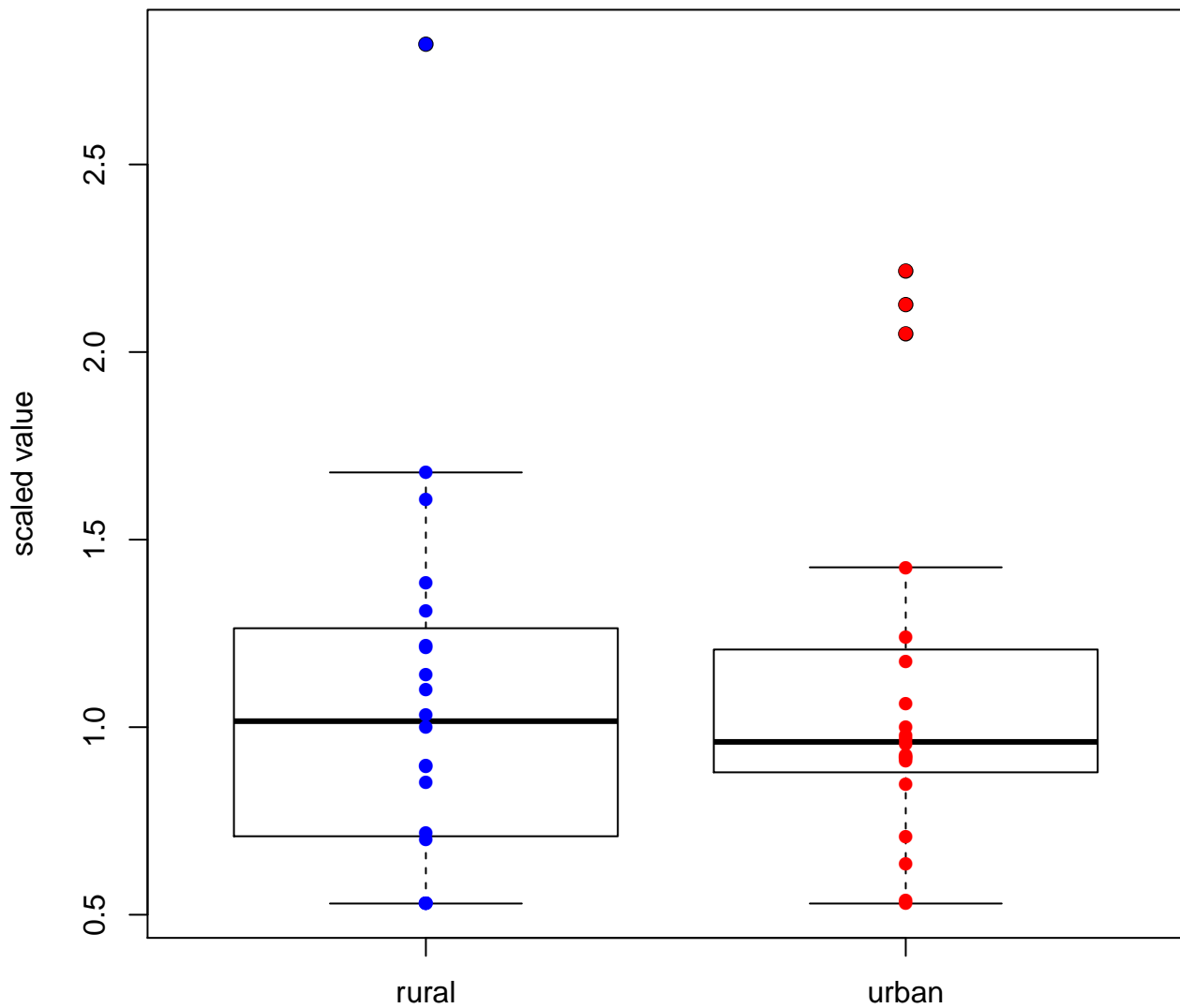


metabolite: quinate  
pAdjRuralUrban= 0.964

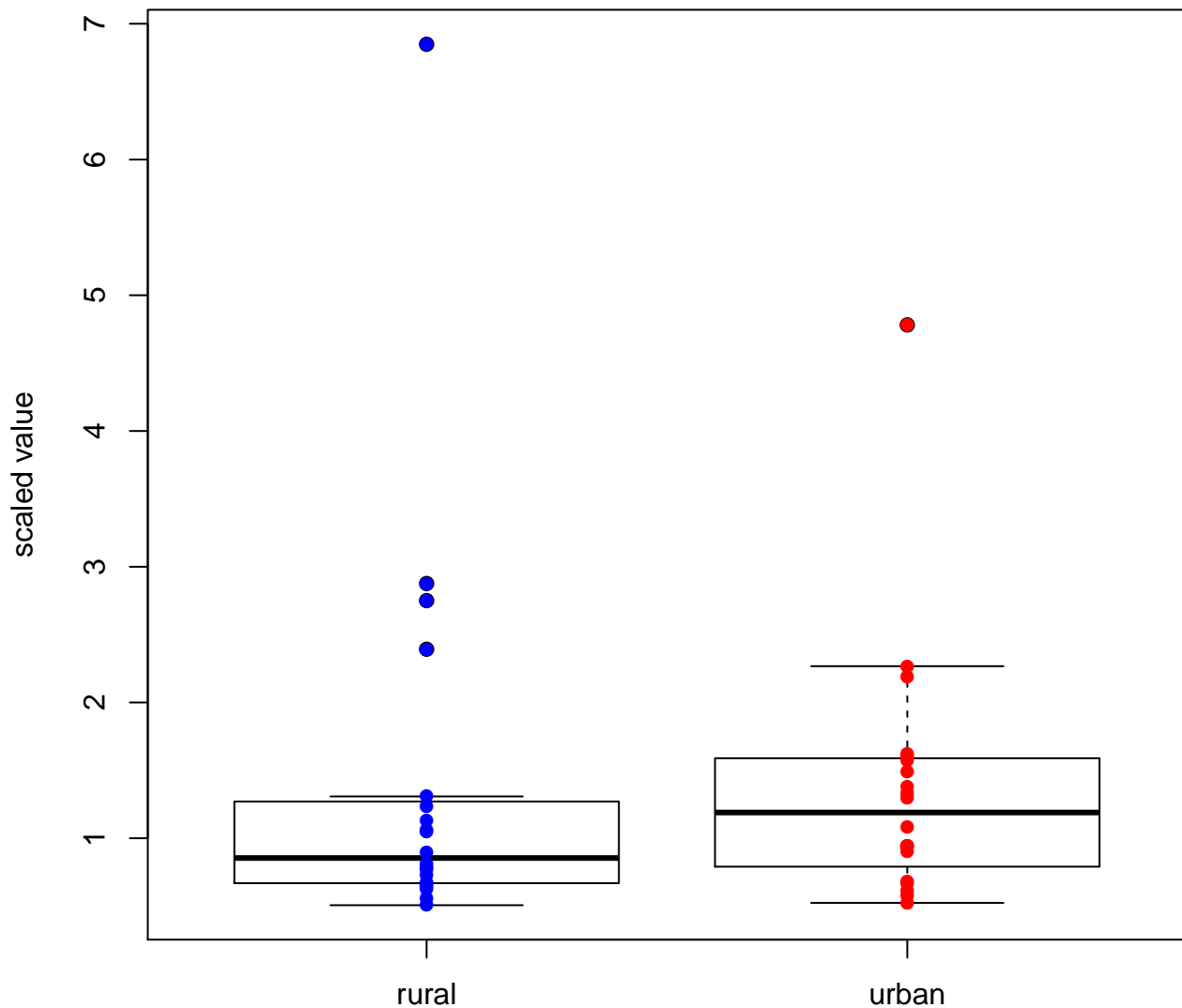




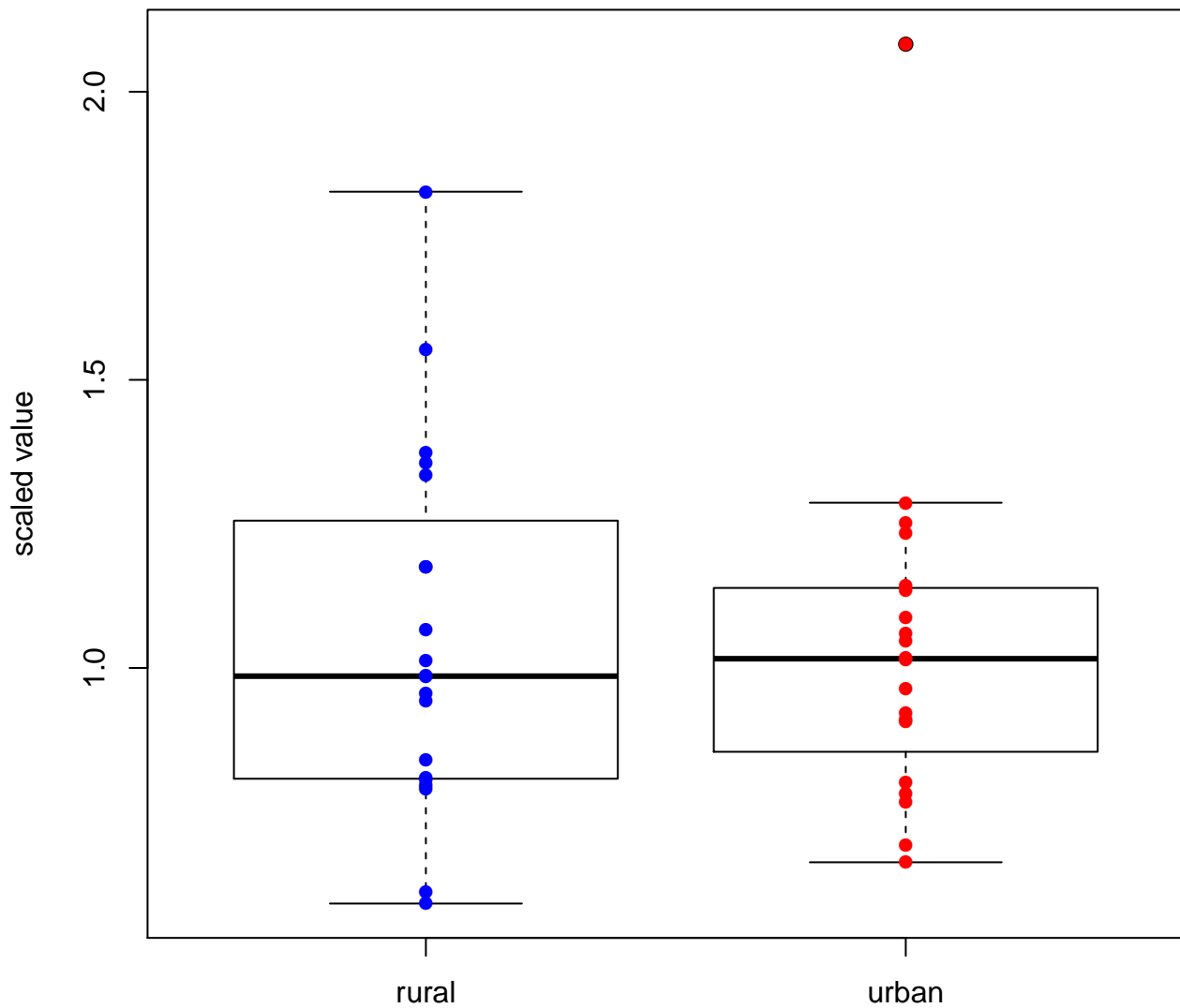
metabolite: xylitol  
pAdjRuralUrban= 0.964



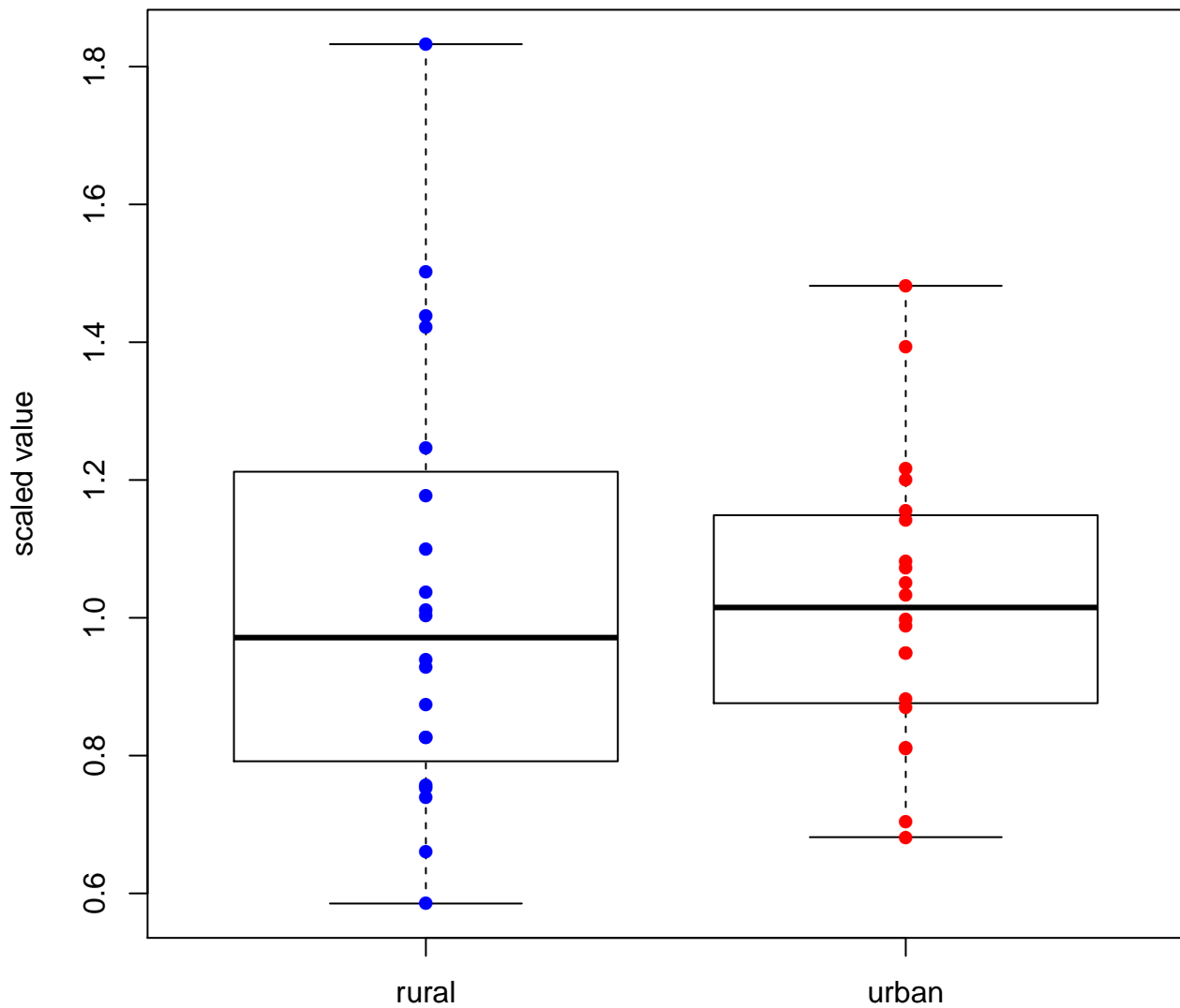
metabolite: 2-hydroxydecanoate  
pAdjRuralUrban= 0.964



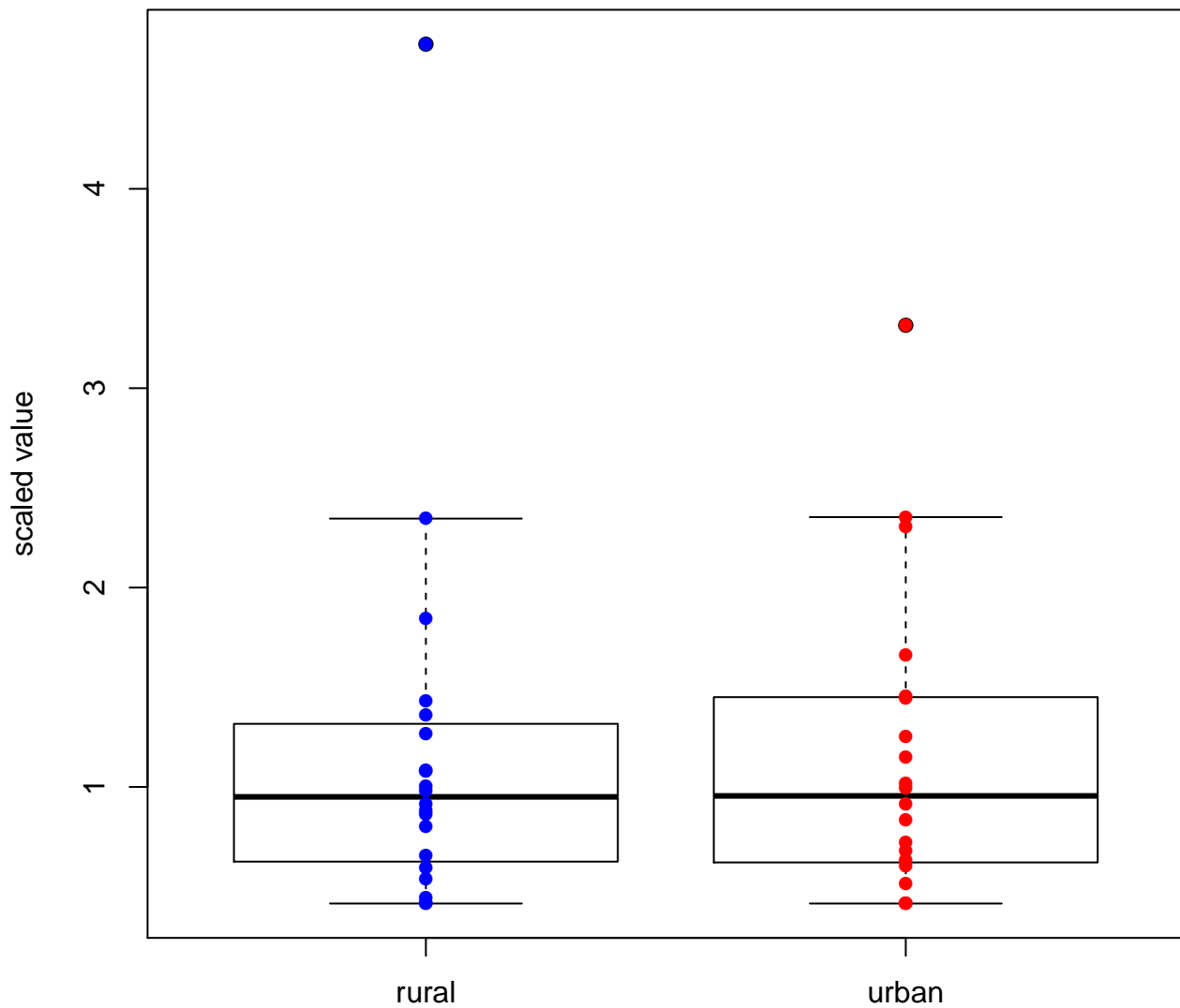
metabolite: docosahexaenoate (DHA; 22:6n3)  
pAdjRuralUrban= 0.964



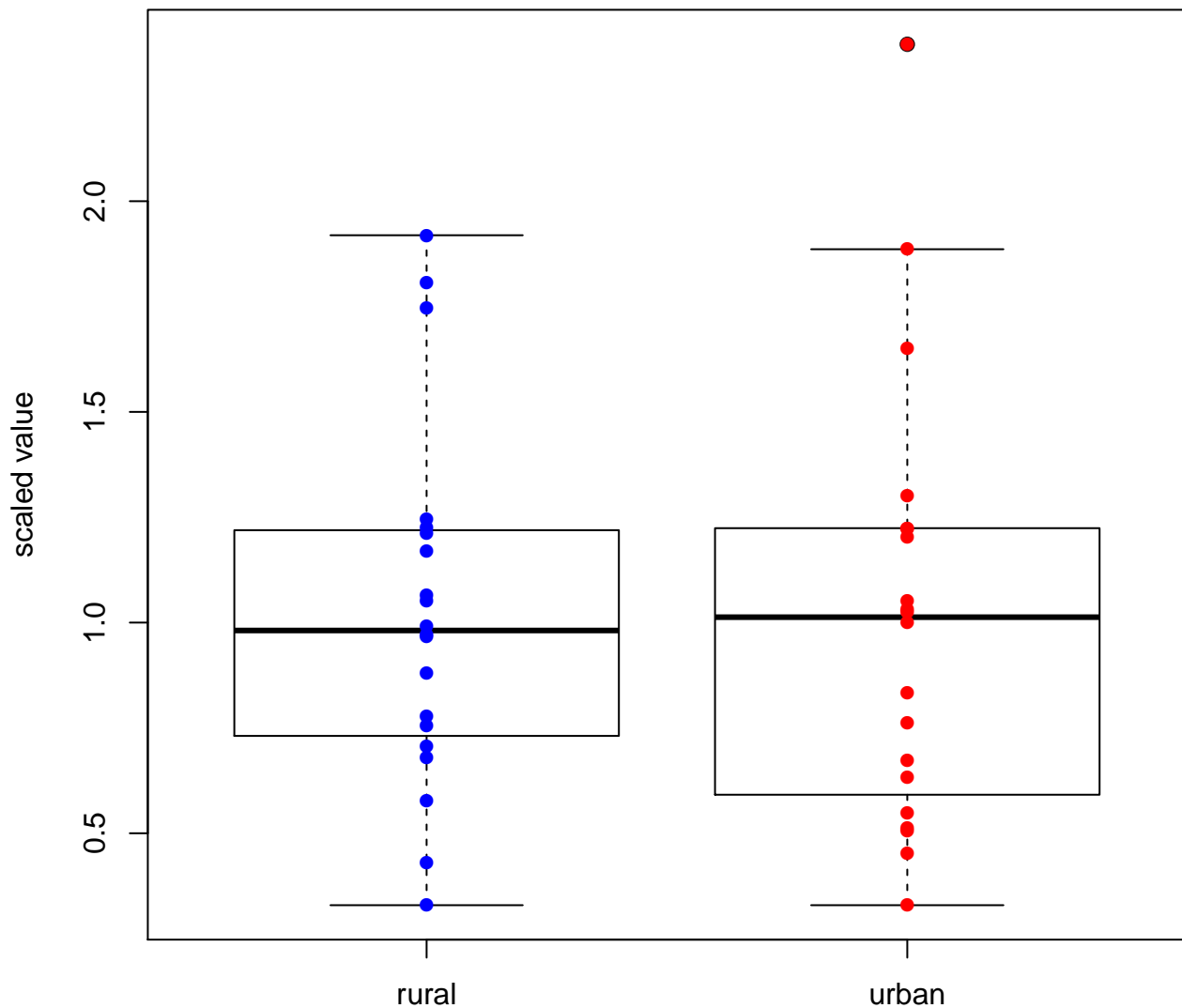
metabolite: myo-inositol  
pAdjRuralUrban= 0.964



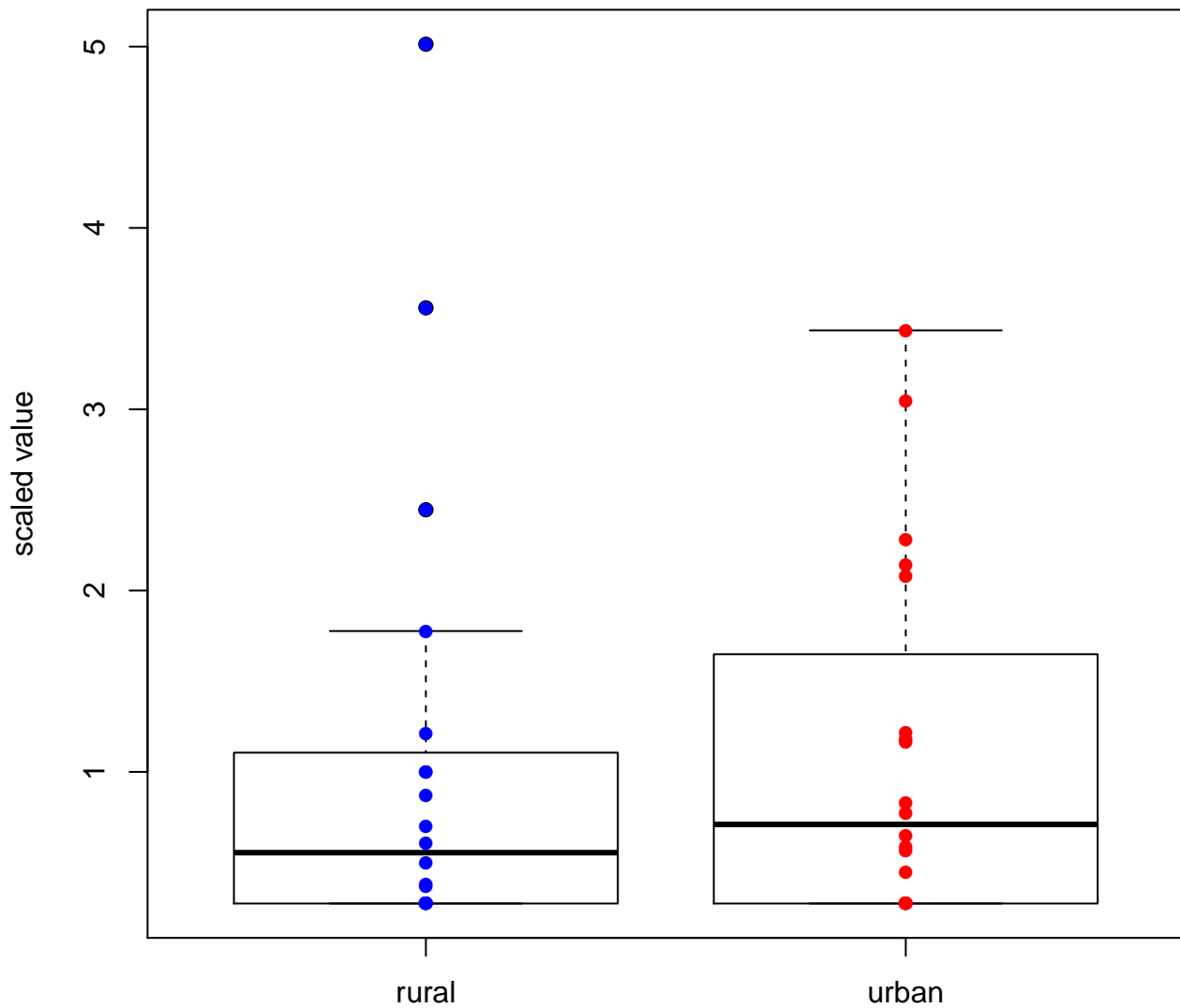
**metabolite: 2-hydroxy-3-methylvalerate**  
**pAdjRuralUrban= 0.964**



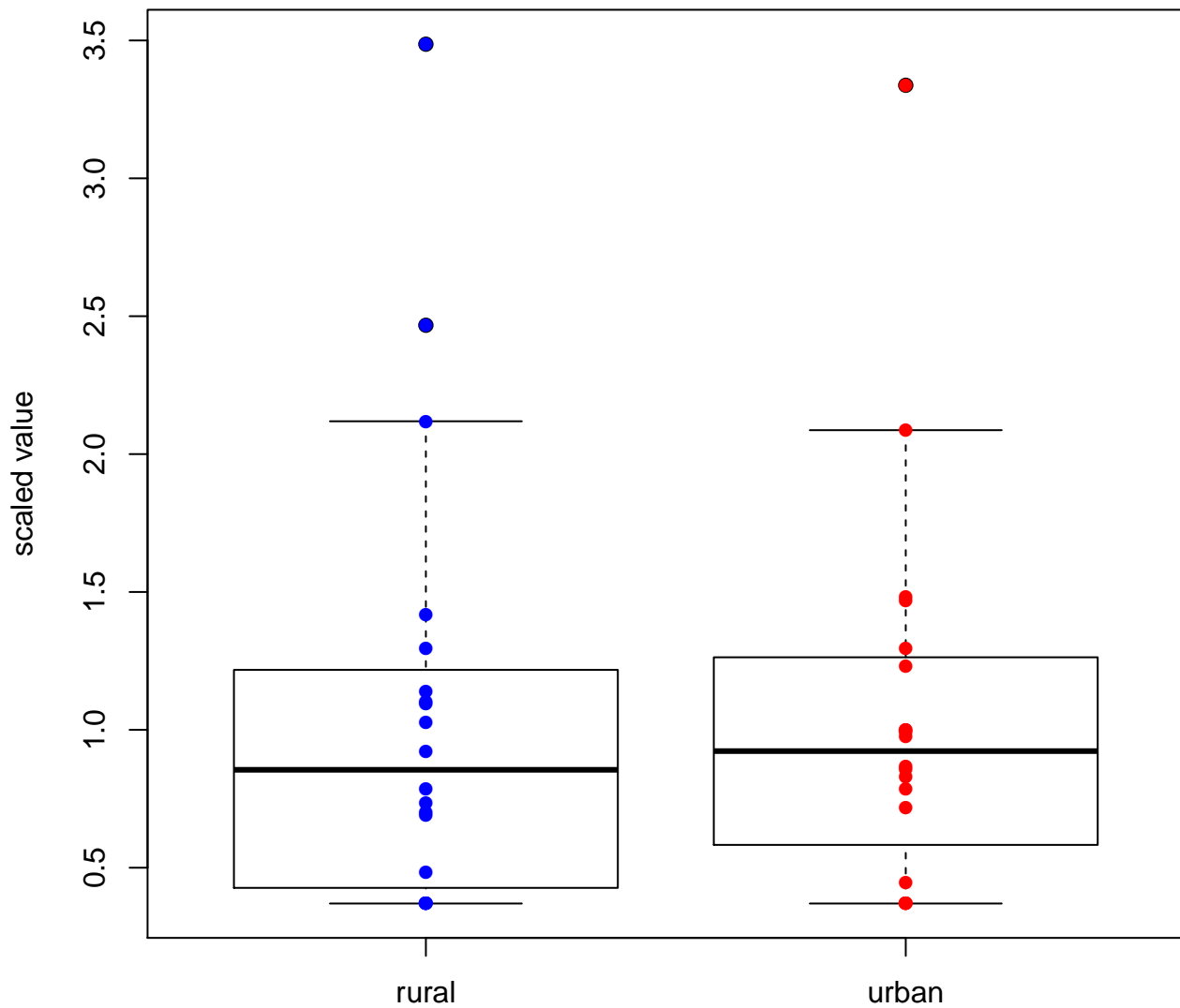
metabolite: 21-hydroxypregnenolone disulfate  
pAdjRuralUrban= 0.964



metabolite: S-allylcysteine  
pAdjRuralUrban= 0.964

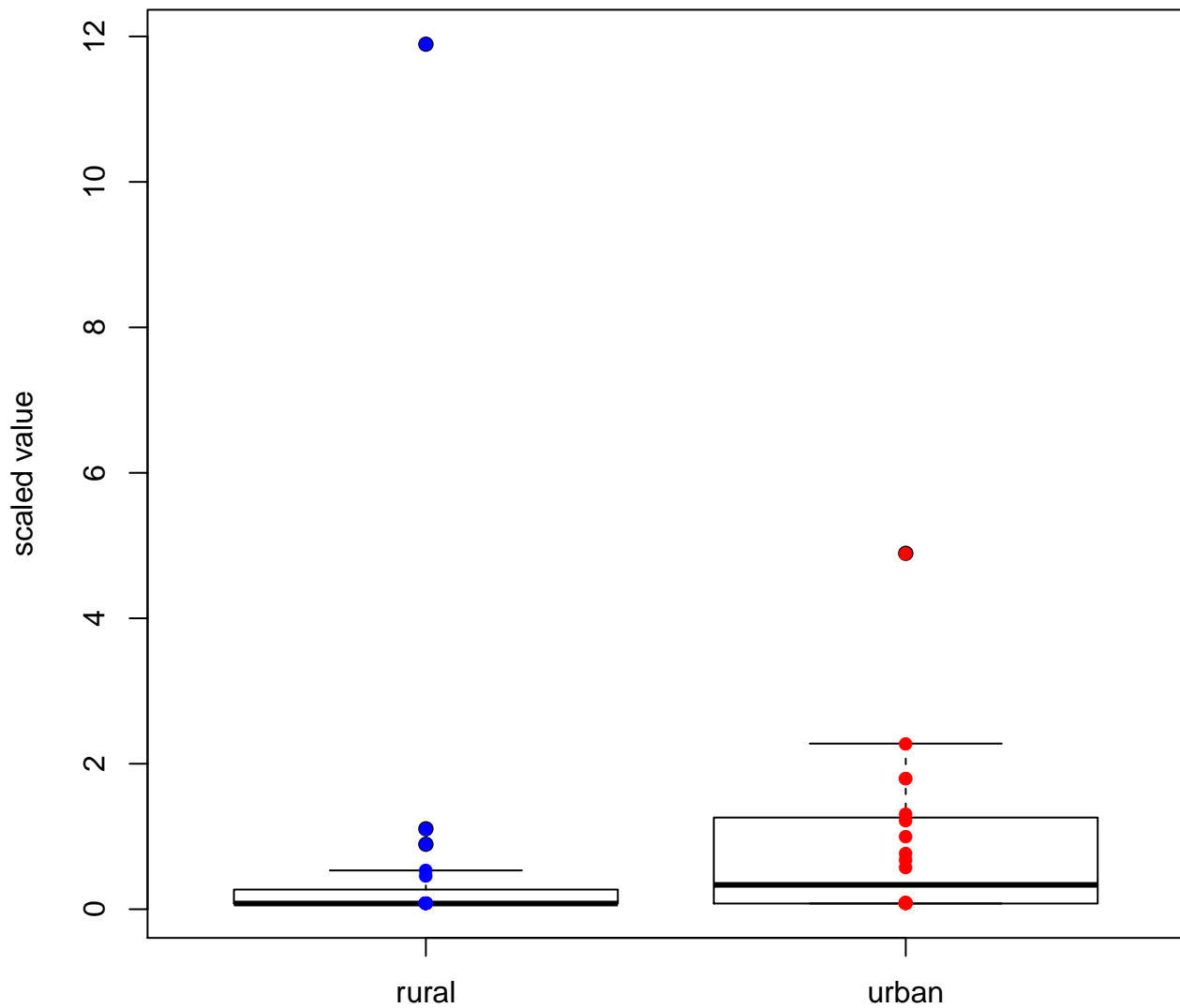


metabolite: tetradecanedioate  
pAdjRuralUrban= 0.964

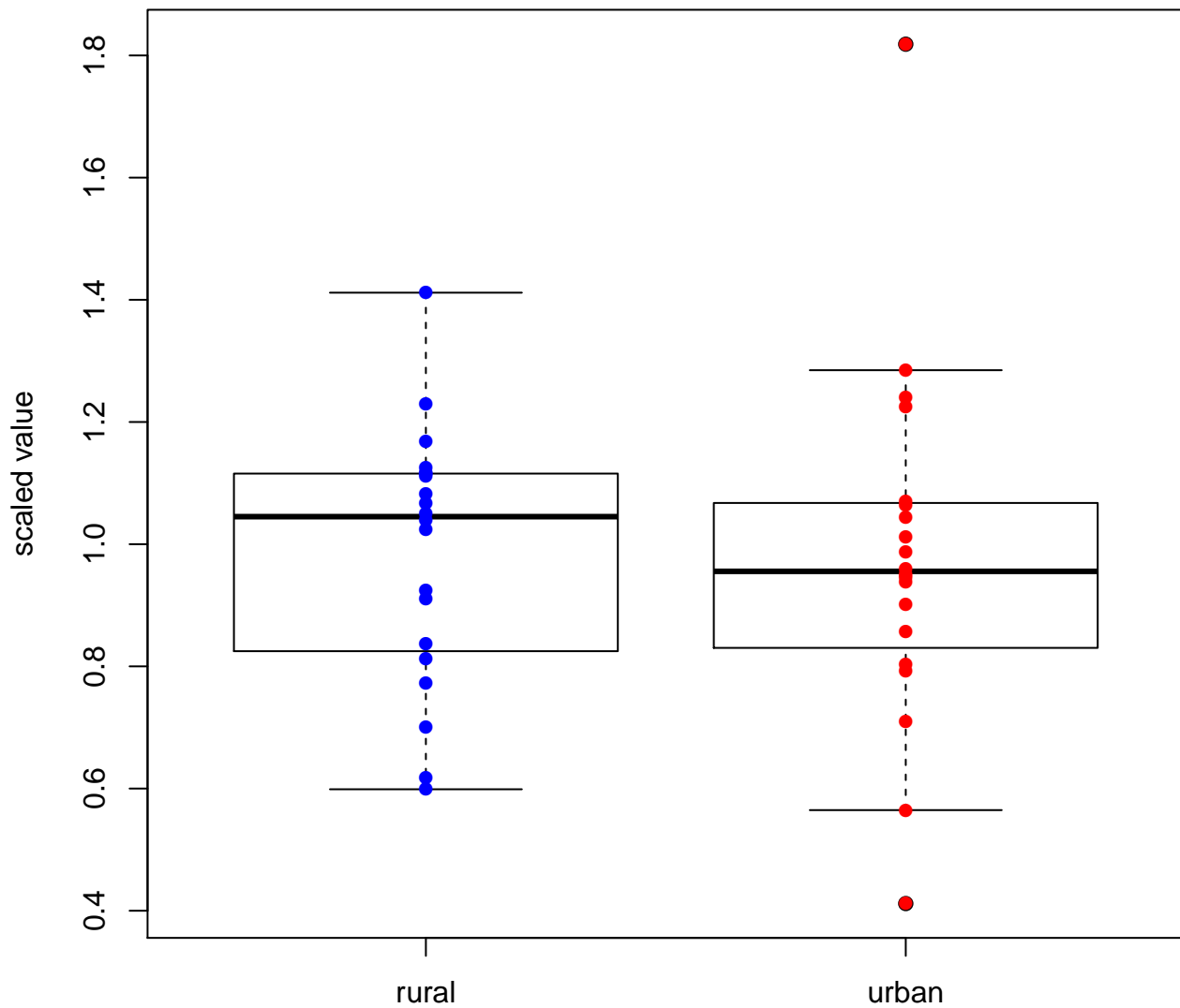




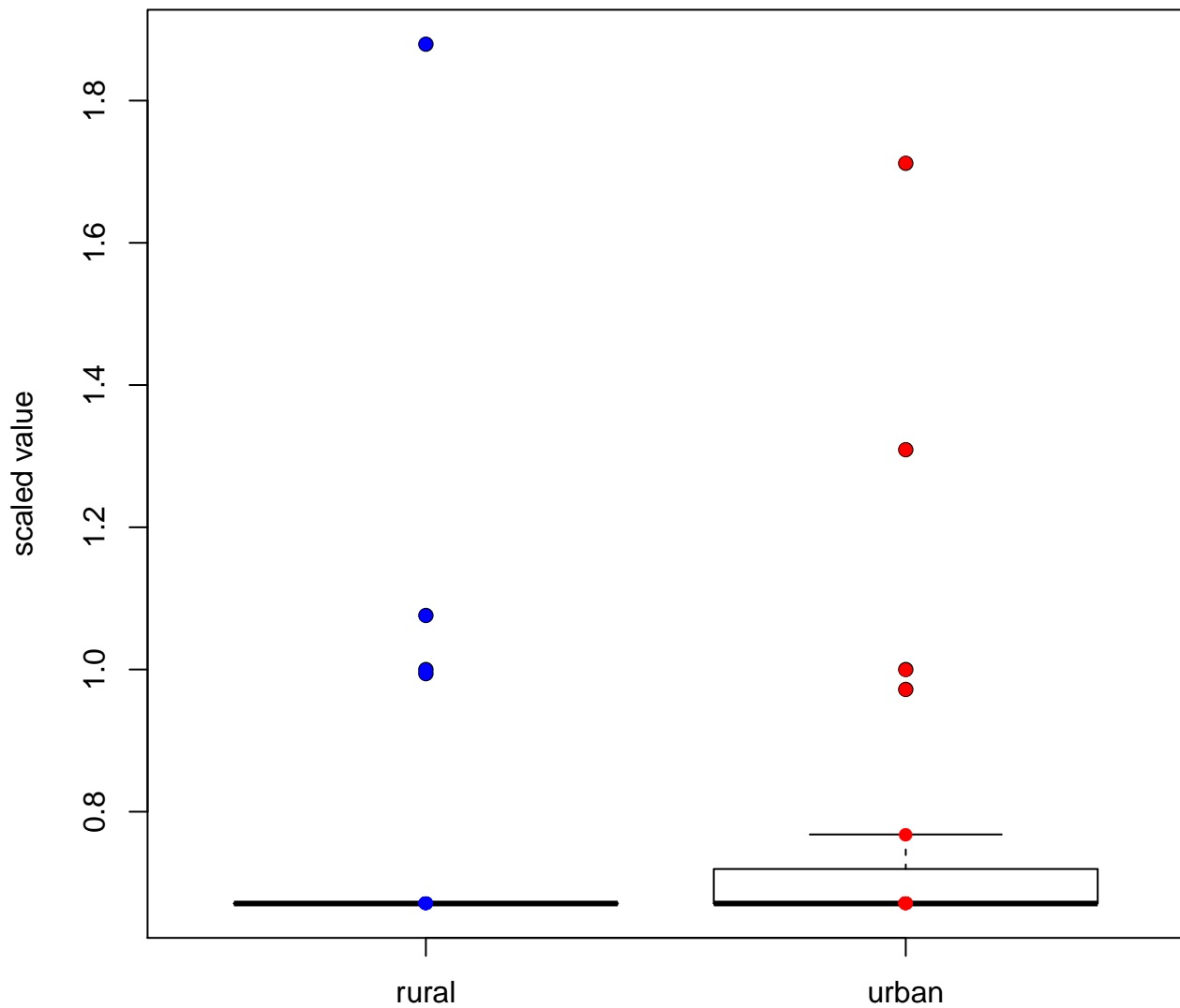
metabolite: 2-hydroxyhippurate (salicylurate)  
pAdjRuralUrban= 0.969



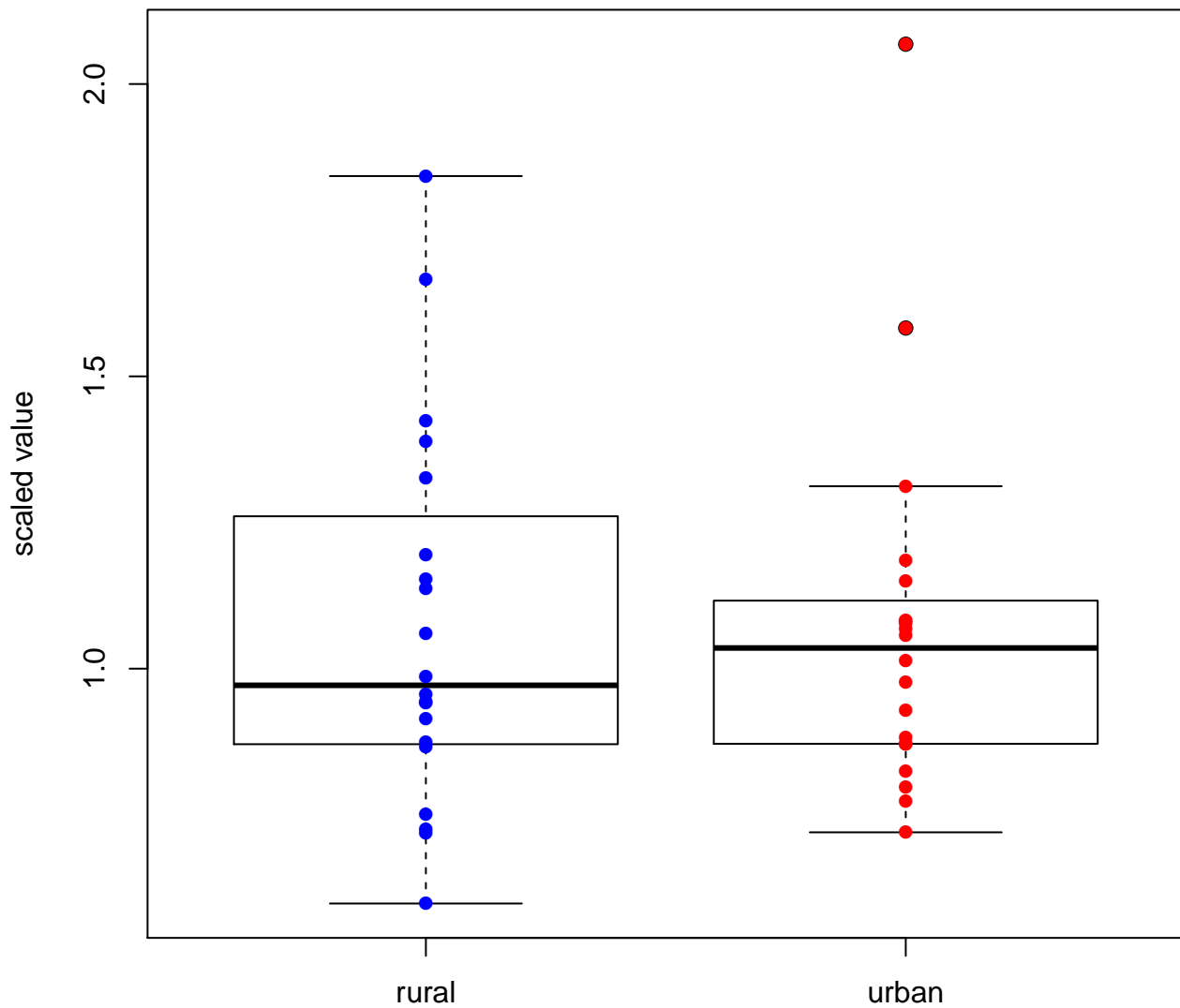
metabolite: cortisol  
pAdjRuralUrban= 0.969



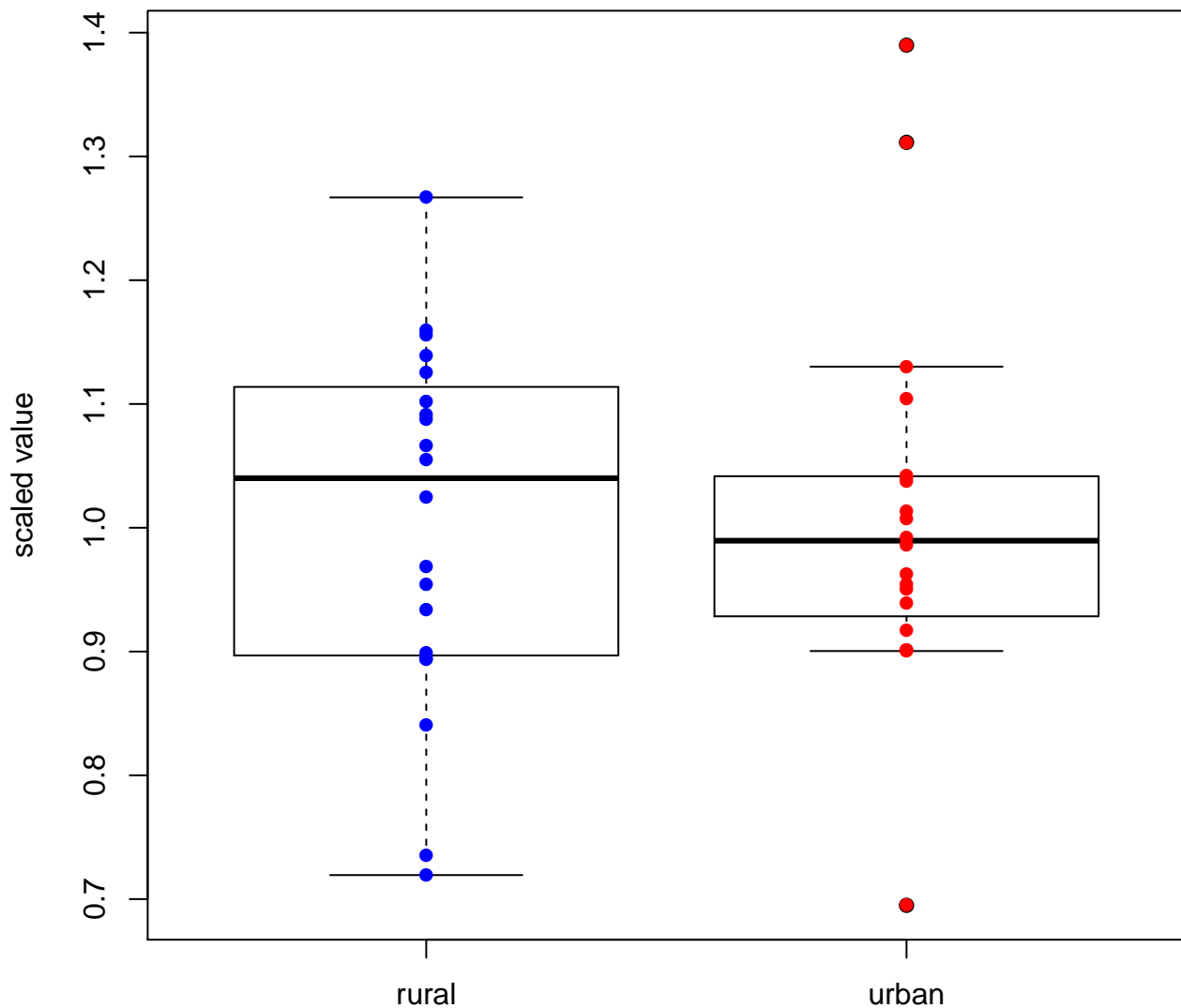
metabolite: phenylacetate  
pAdjRuralUrban= 0.969



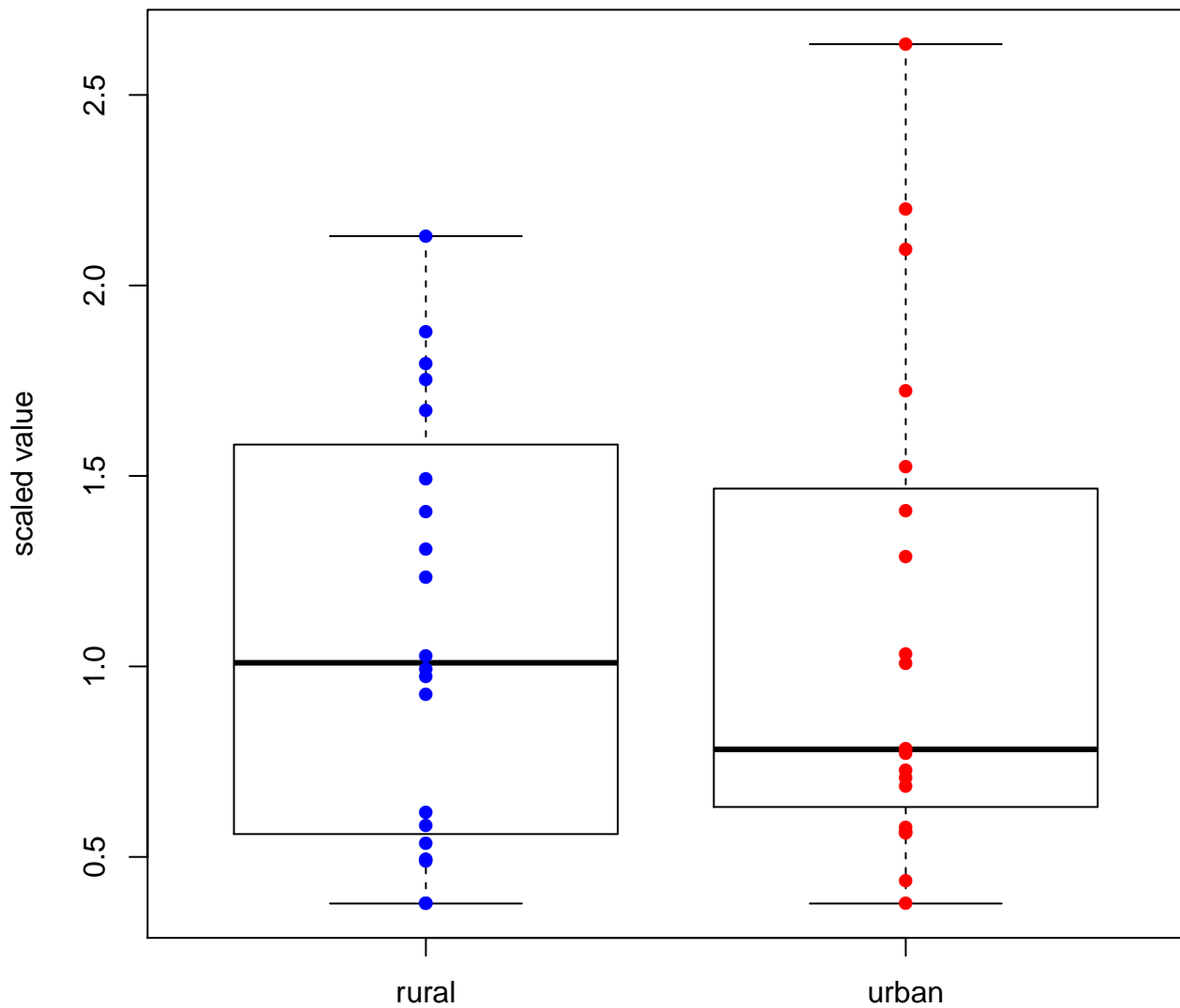
metabolite: dimethylglycine  
pAdjRuralUrban= 0.97



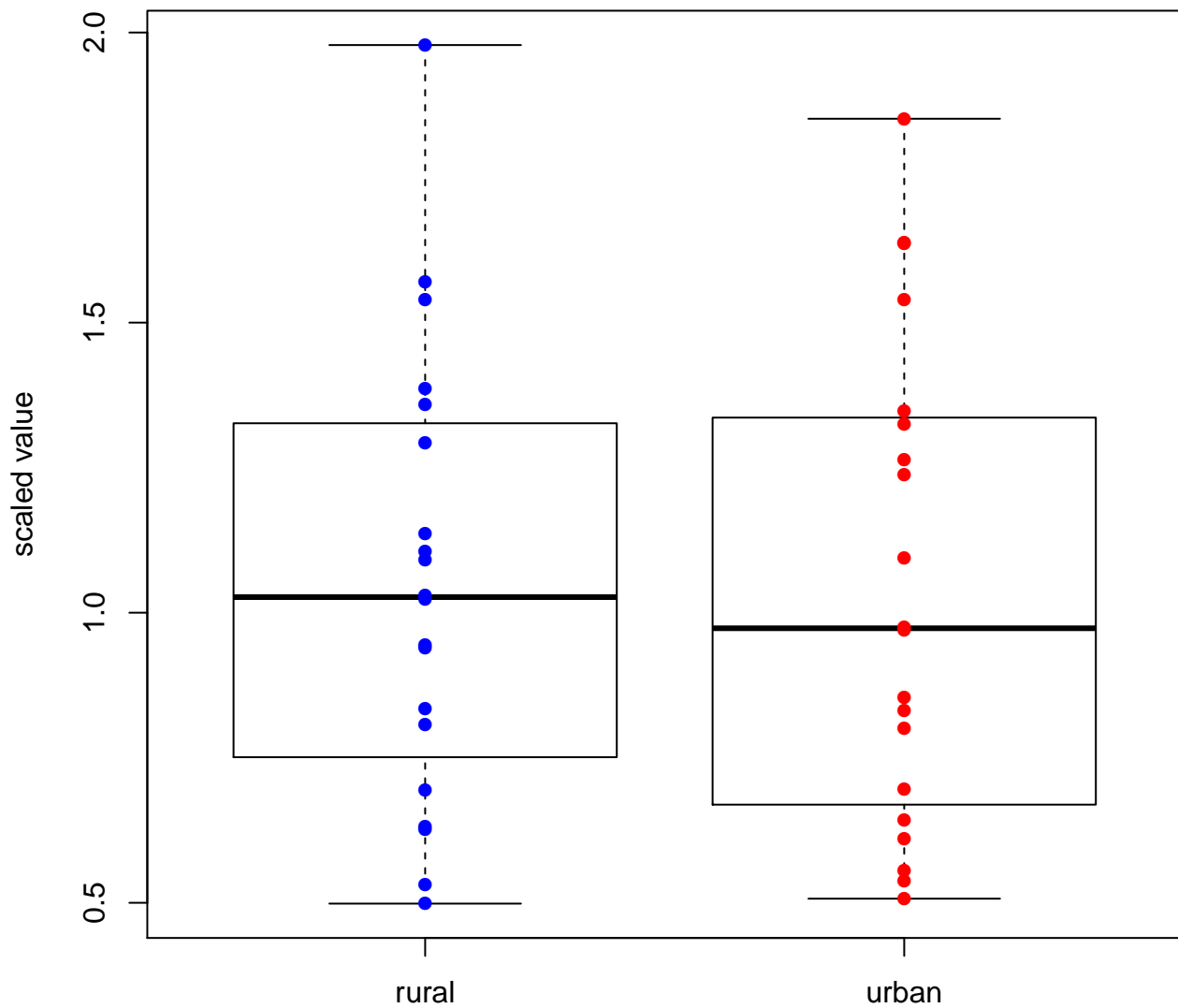
metabolite: phenylalanine  
pAdjRuralUrban= 0.97



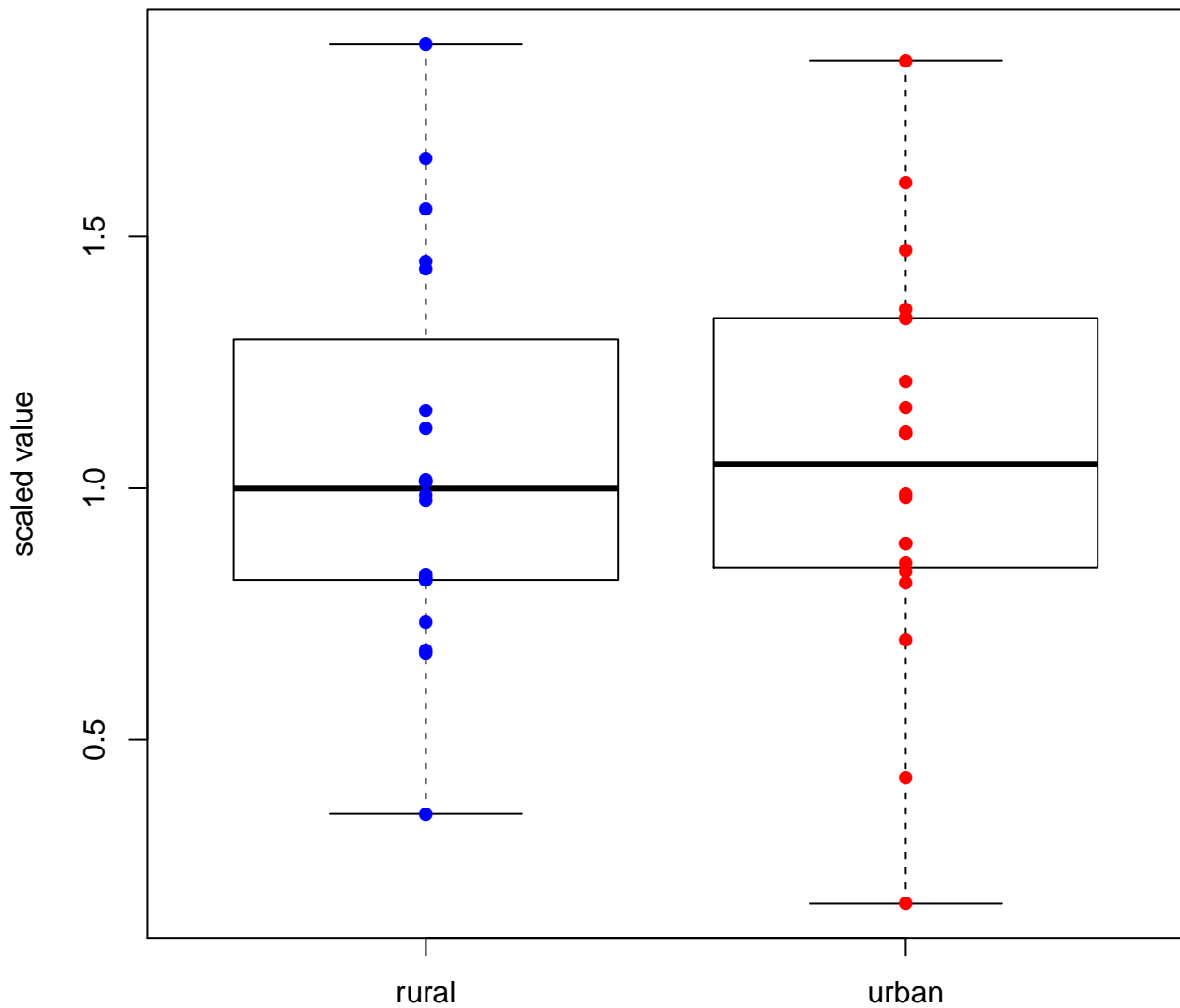
metabolite: laurycarnitine  
pAdjRuralUrban= 0.984



metabolite: oleoylcarnitine  
pAdjRuralUrban= 0.984

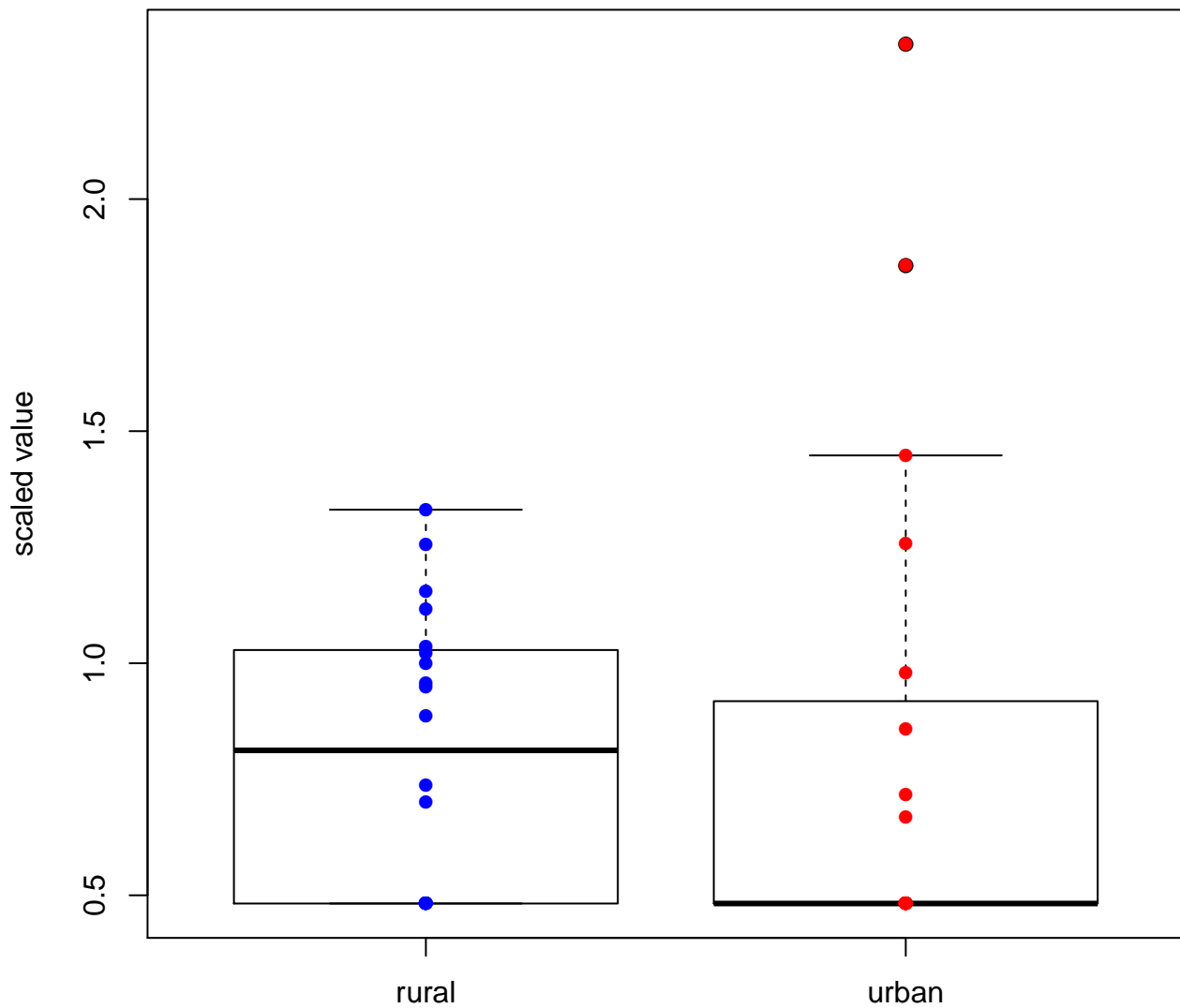


metabolite: xylonate  
pAdjRuralUrban= 0.984

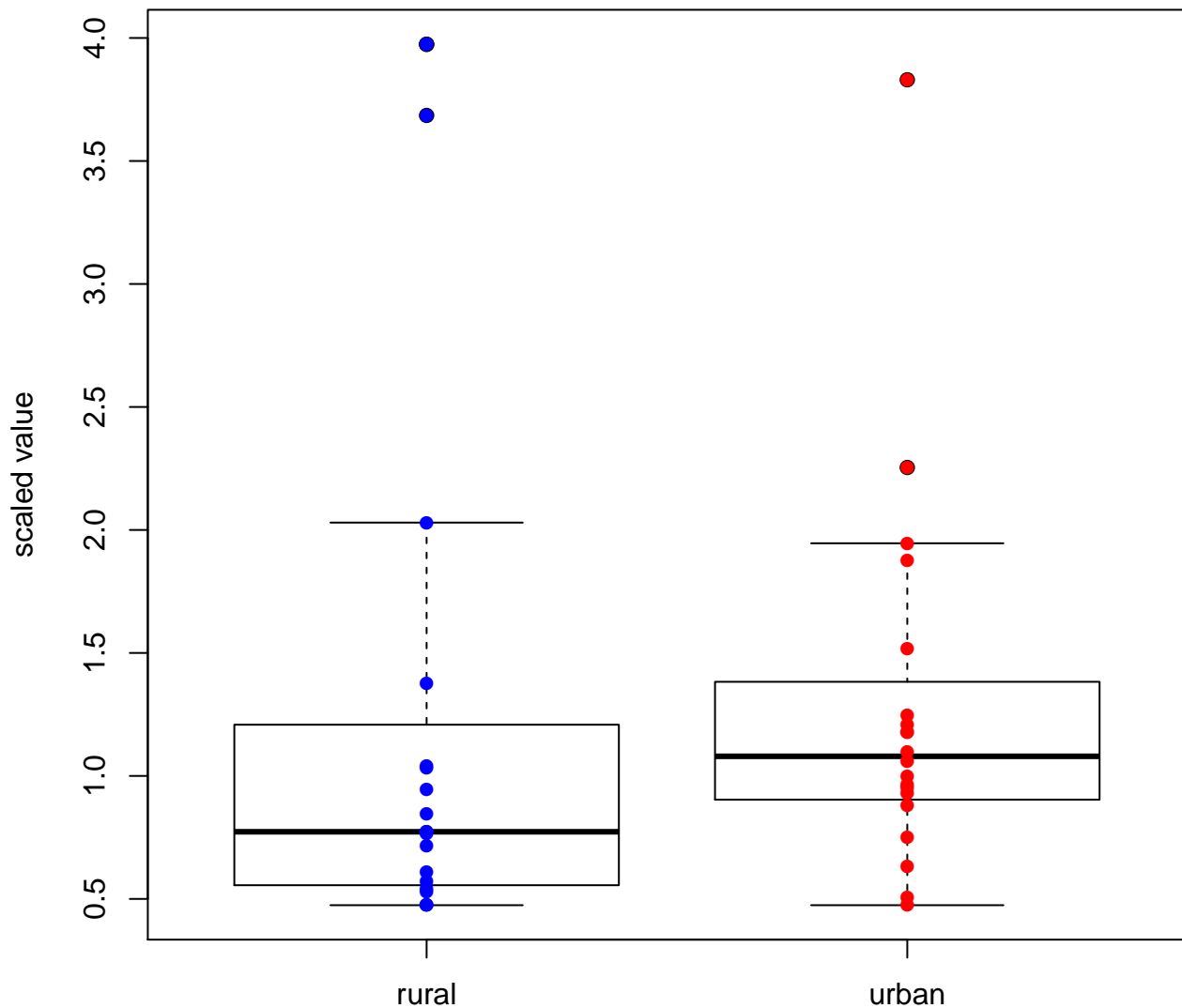




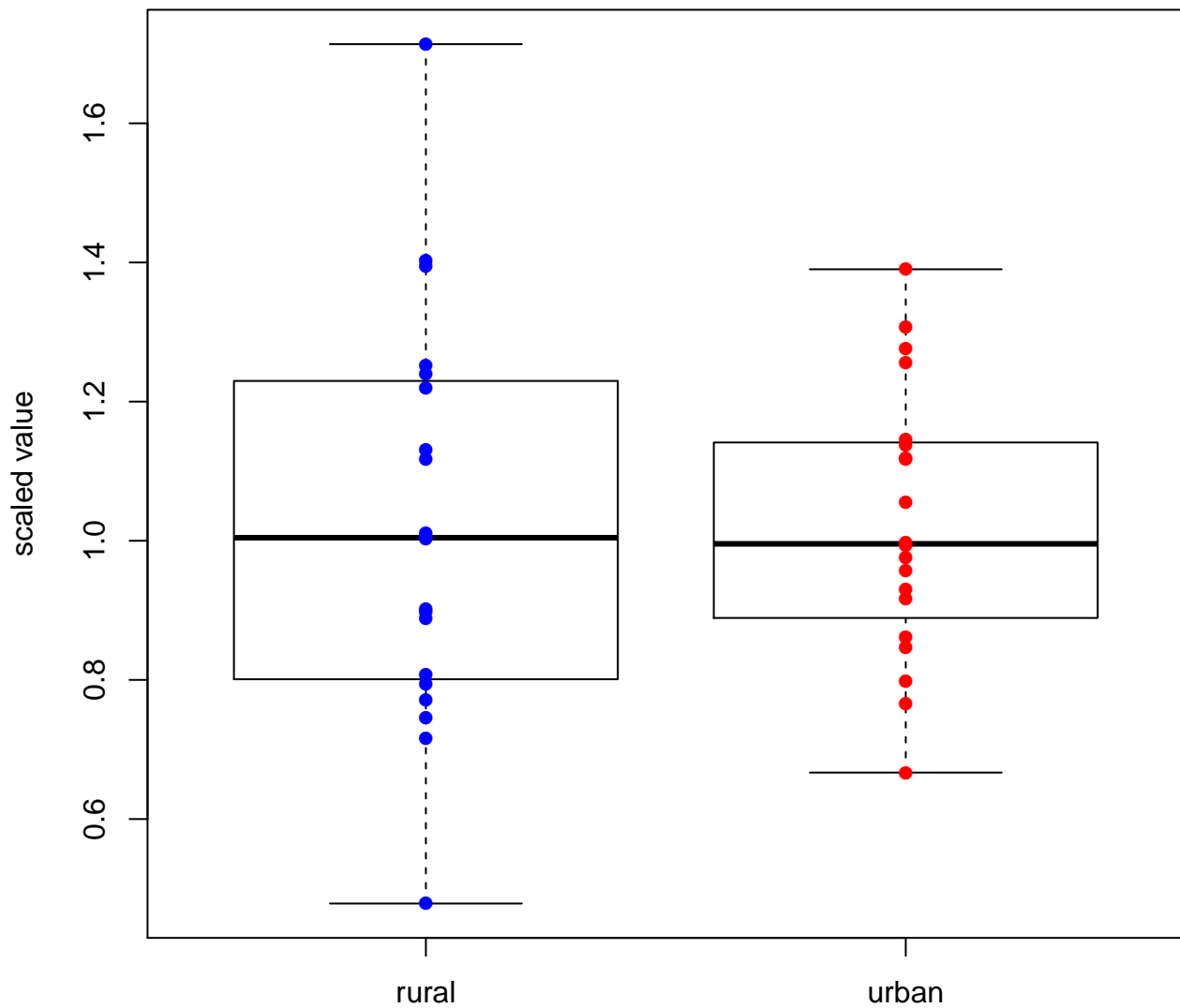
metabolite: 4-hydroxyphenylpyruvate  
pAdjRuralUrban= 0.985



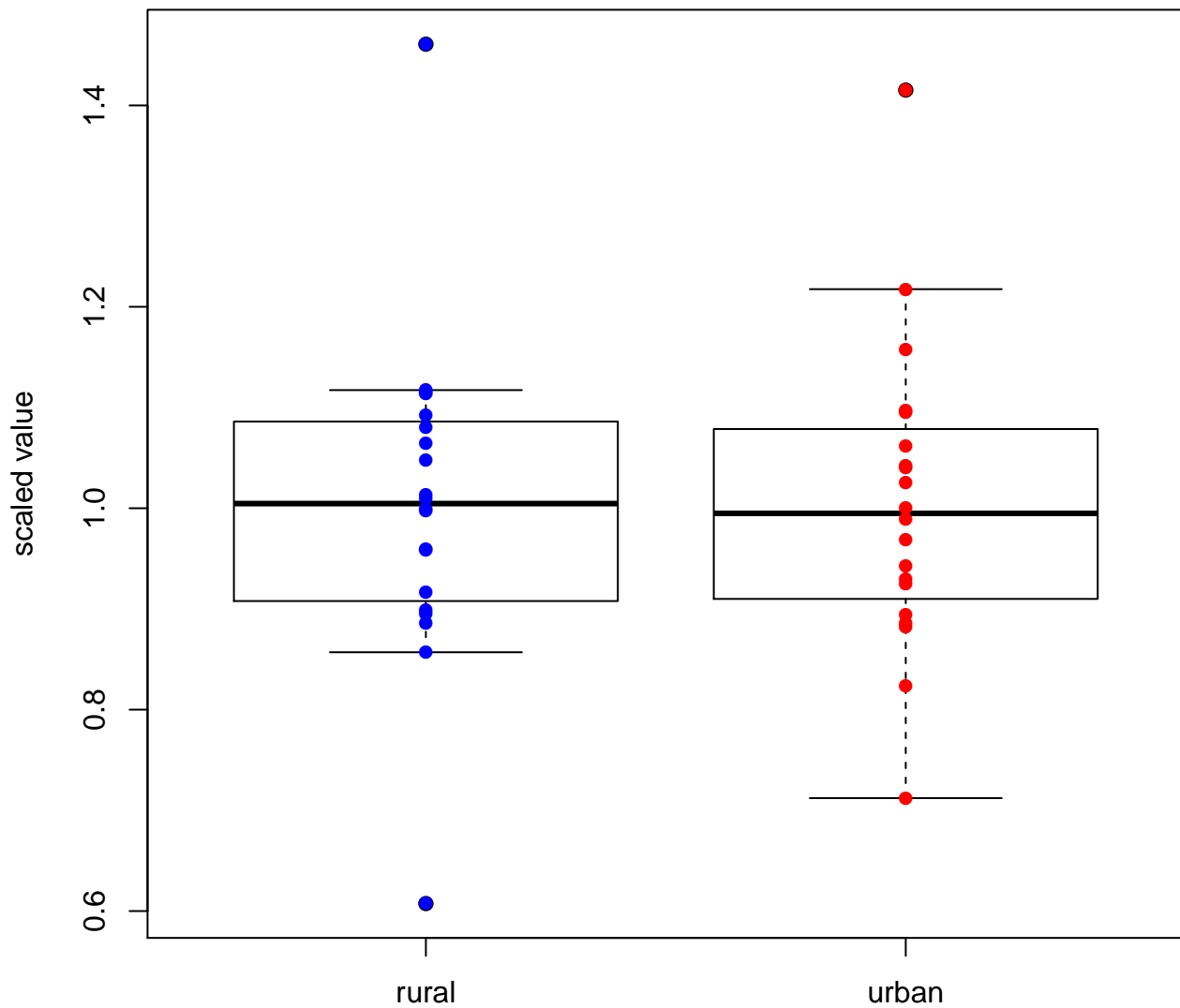
metabolite: 4-hydroxyphenylacetate  
pAdjRuralUrban= 0.992



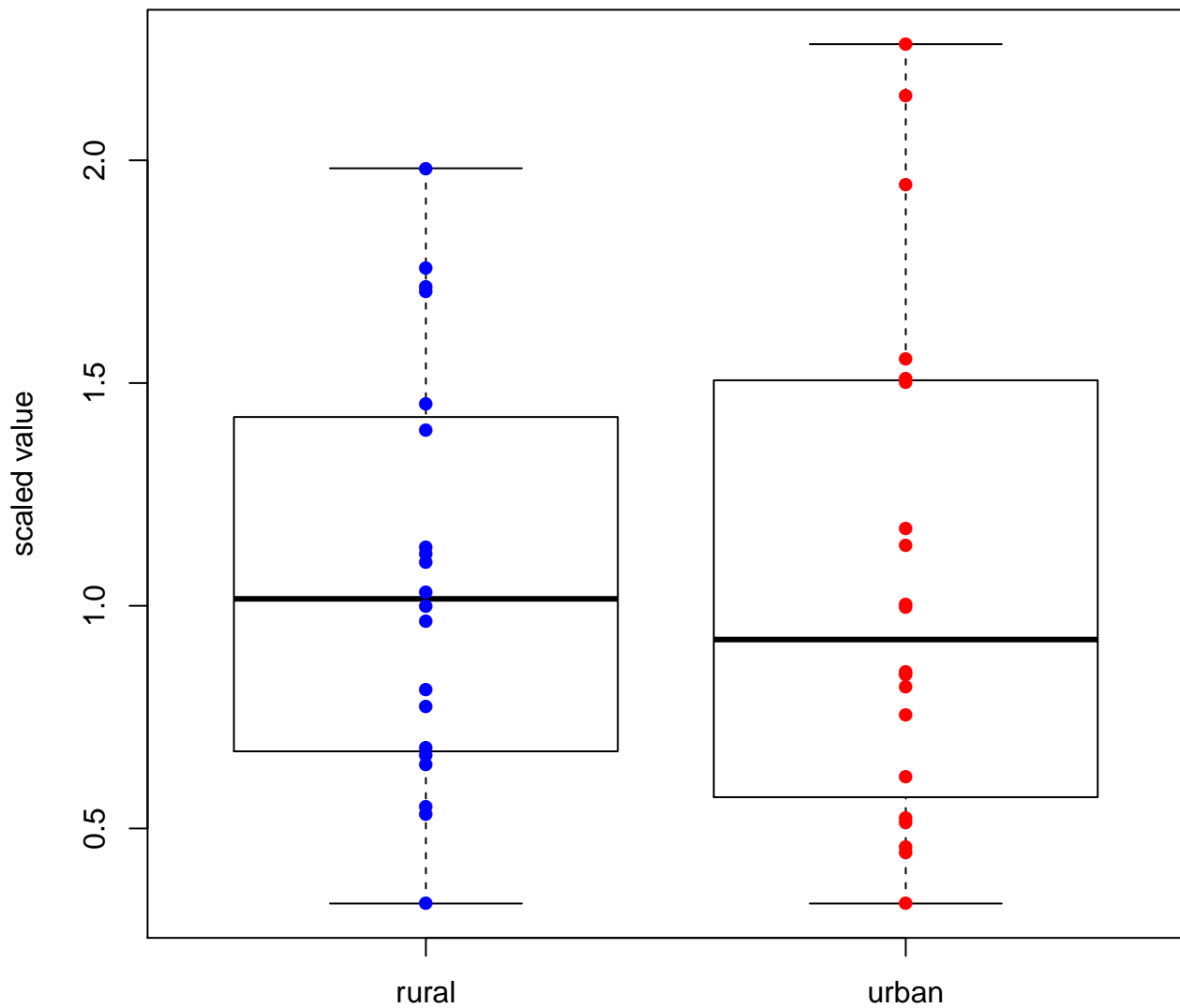
metabolite: aspartate  
pAdjRuralUrban= 0.992



metabolite: glycerate  
pAdjRuralUrban= 0.992



metabolite: O-methylcatechol sulfate  
pAdjRuralUrban= 0.992



metabolite: phenylacetylglutamine  
pAdjRuralUrban= 1

