Pearson's r:−0.5372
P−value:0
Adj. p−value:0.0012

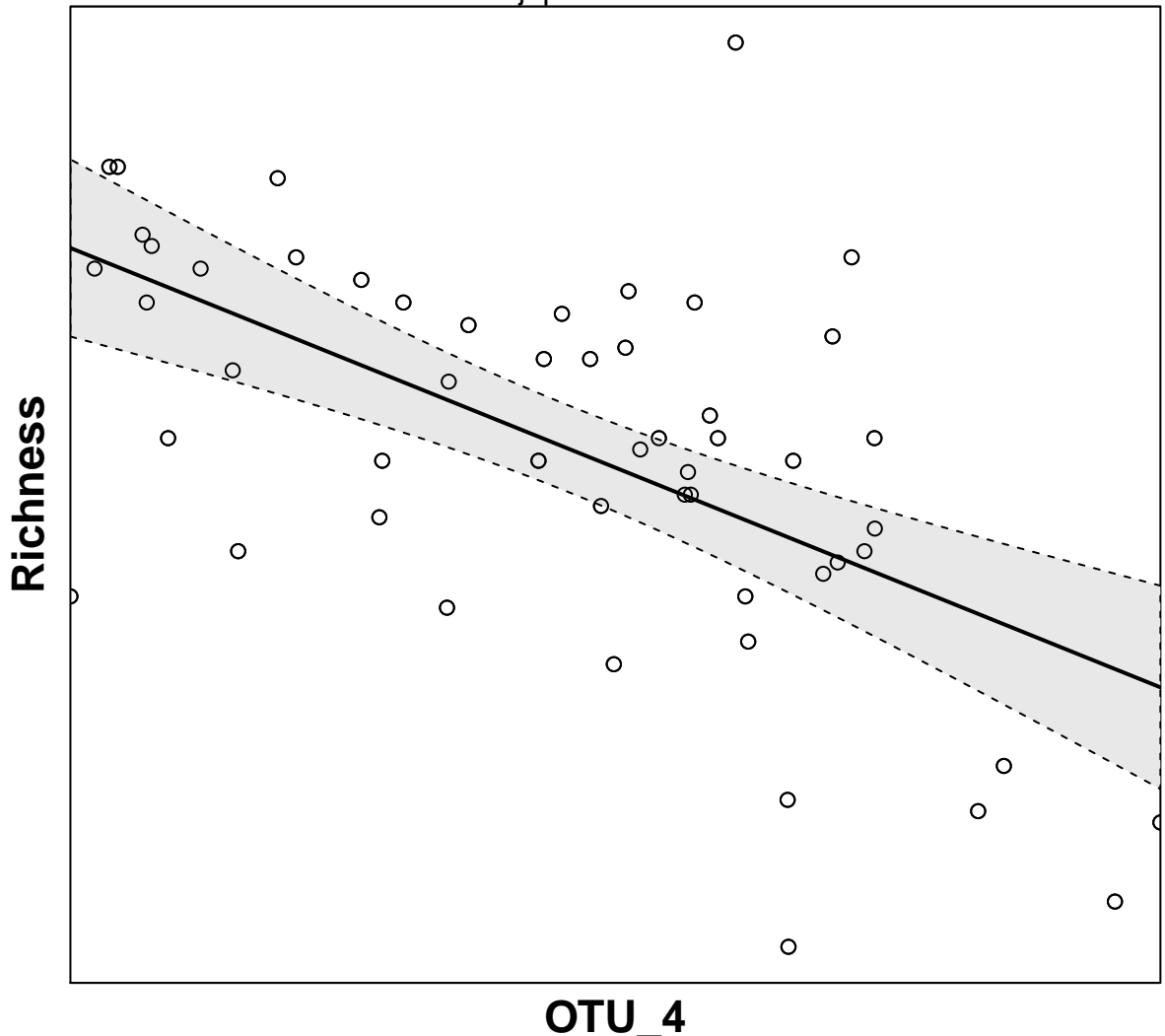**Richness**

OTU_5
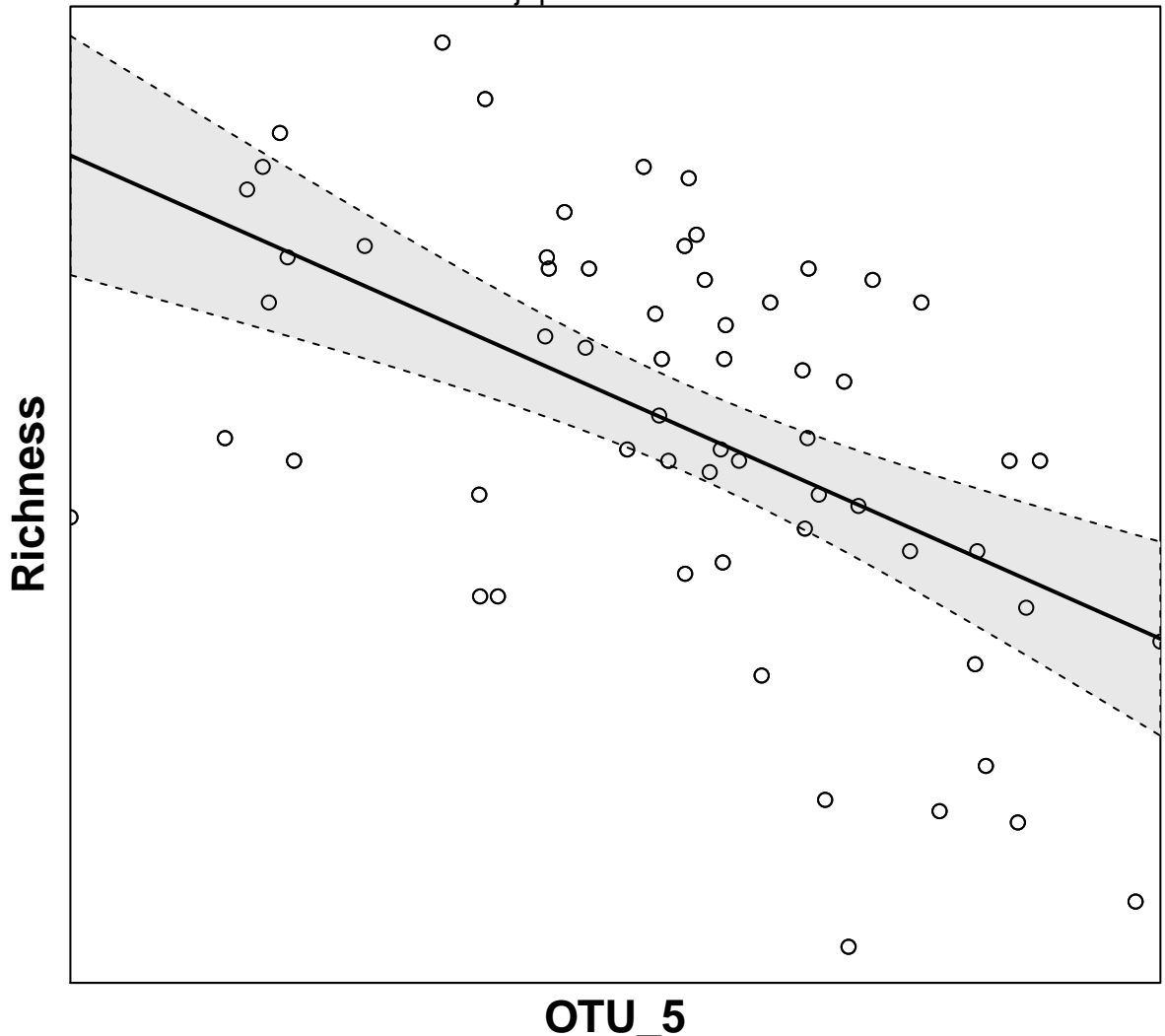
supported by 61 observations

Pearson's r:−0.5857
P−value:0
Adj. p−value:9e−04

Richness

OTU_4

supported by 54 observations

Pearson's r:−0.548
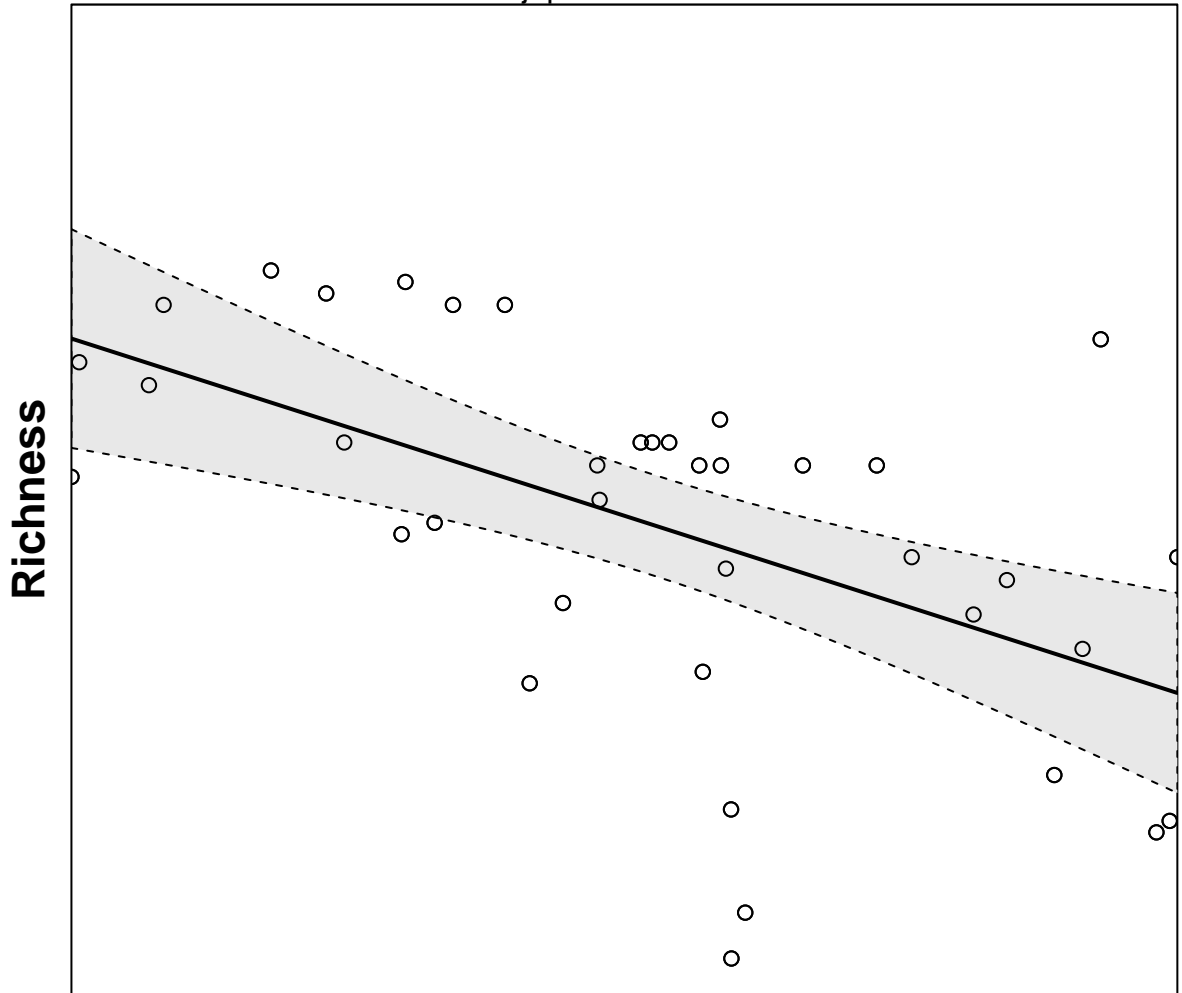P−value:0
Adj. p−value:0.0035

Richness

OTU_41
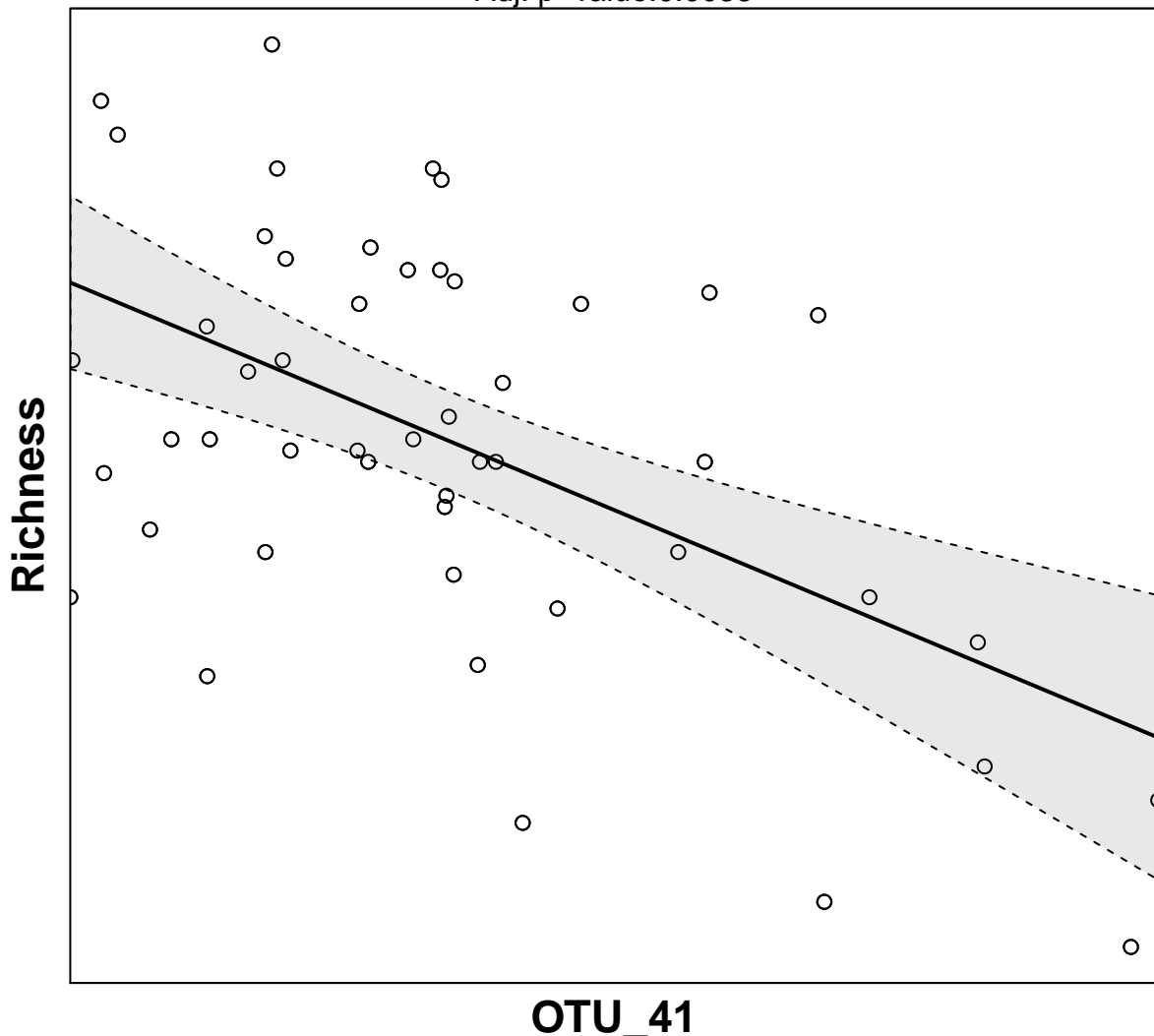
supported by 49 observations

Pearson's r:−0.5469
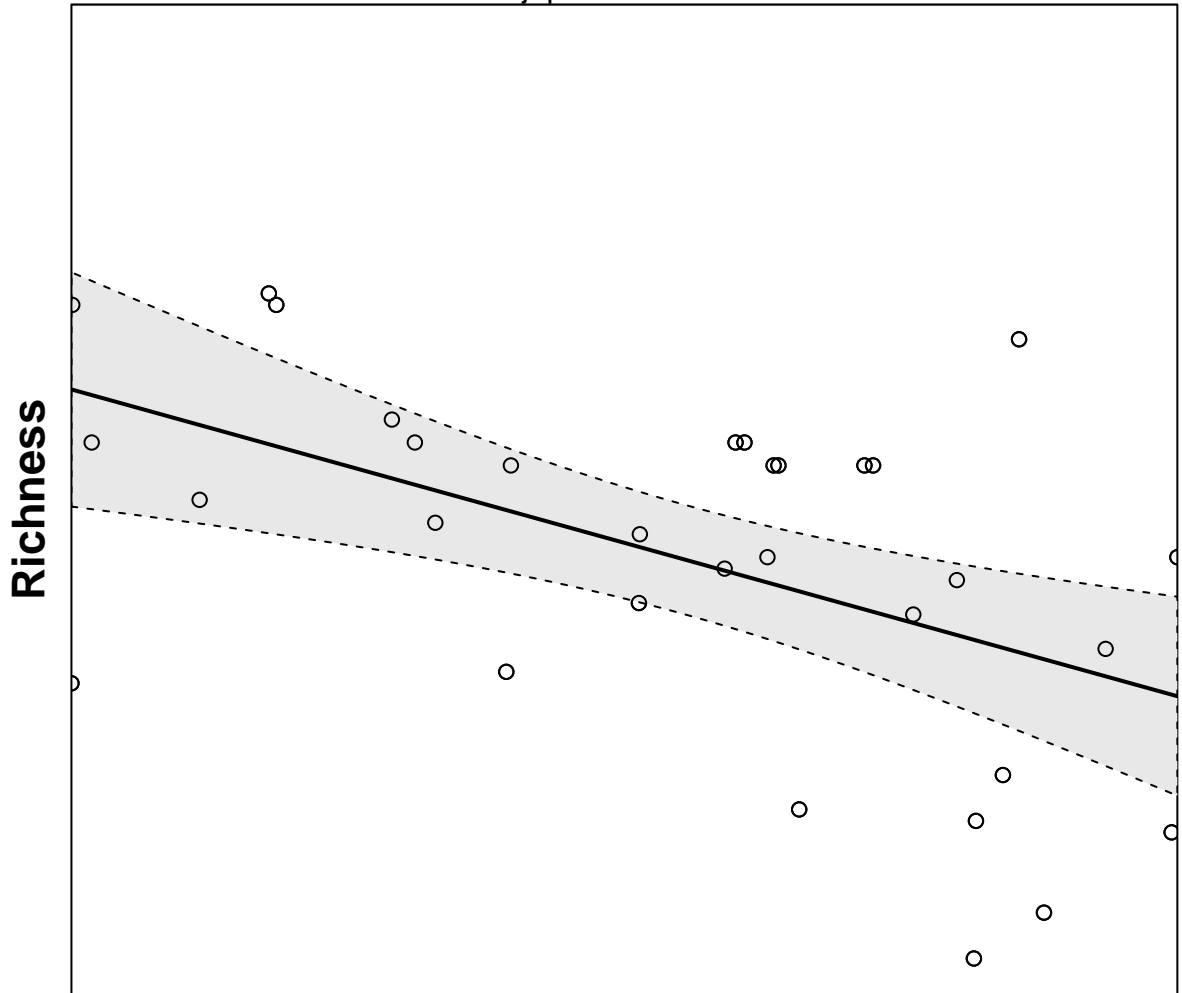P−value:4e−04
Adj. p−value:0.0194

Richness

OTU_31

supported by 38 observations

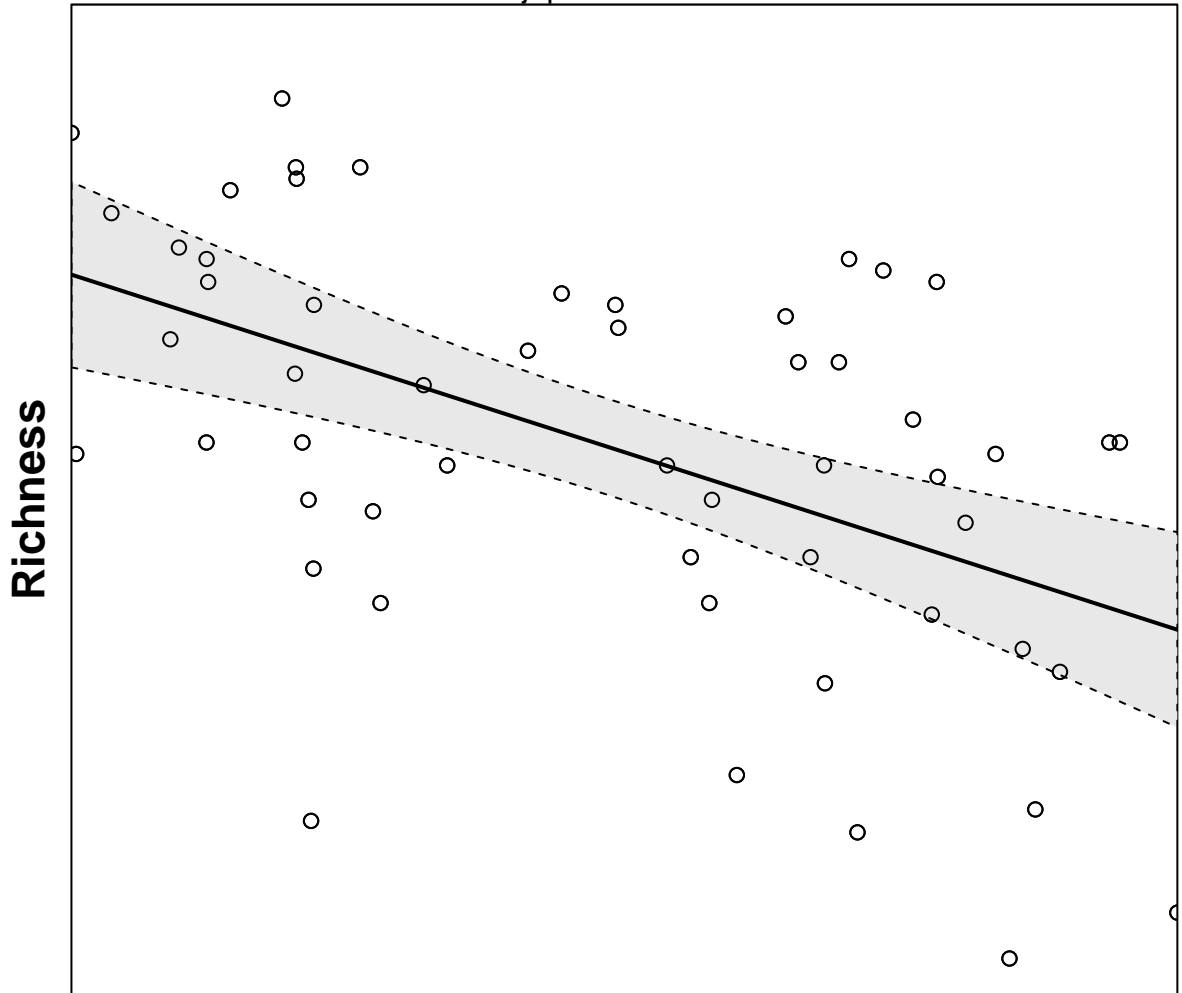Pearson's r:−0.5225
P−value:0.0022
Adj. p−value:0.0543

Richness

OTU_39

supported by 32 observations

Pearson's r:−0.5154
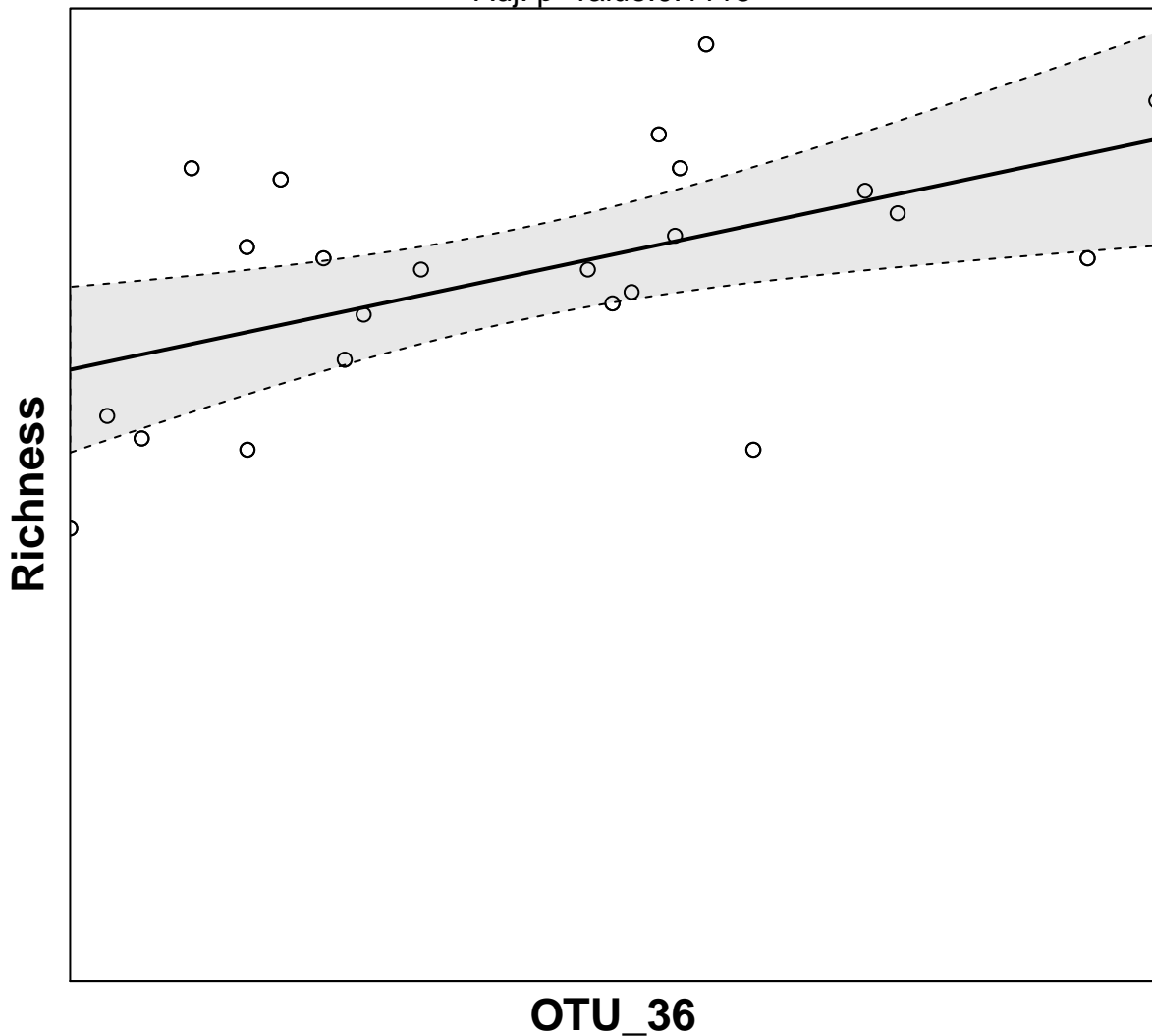P−value:1e−04
Adj. p−value:0.0047

Richness

OTU_57

supported by 54 observations
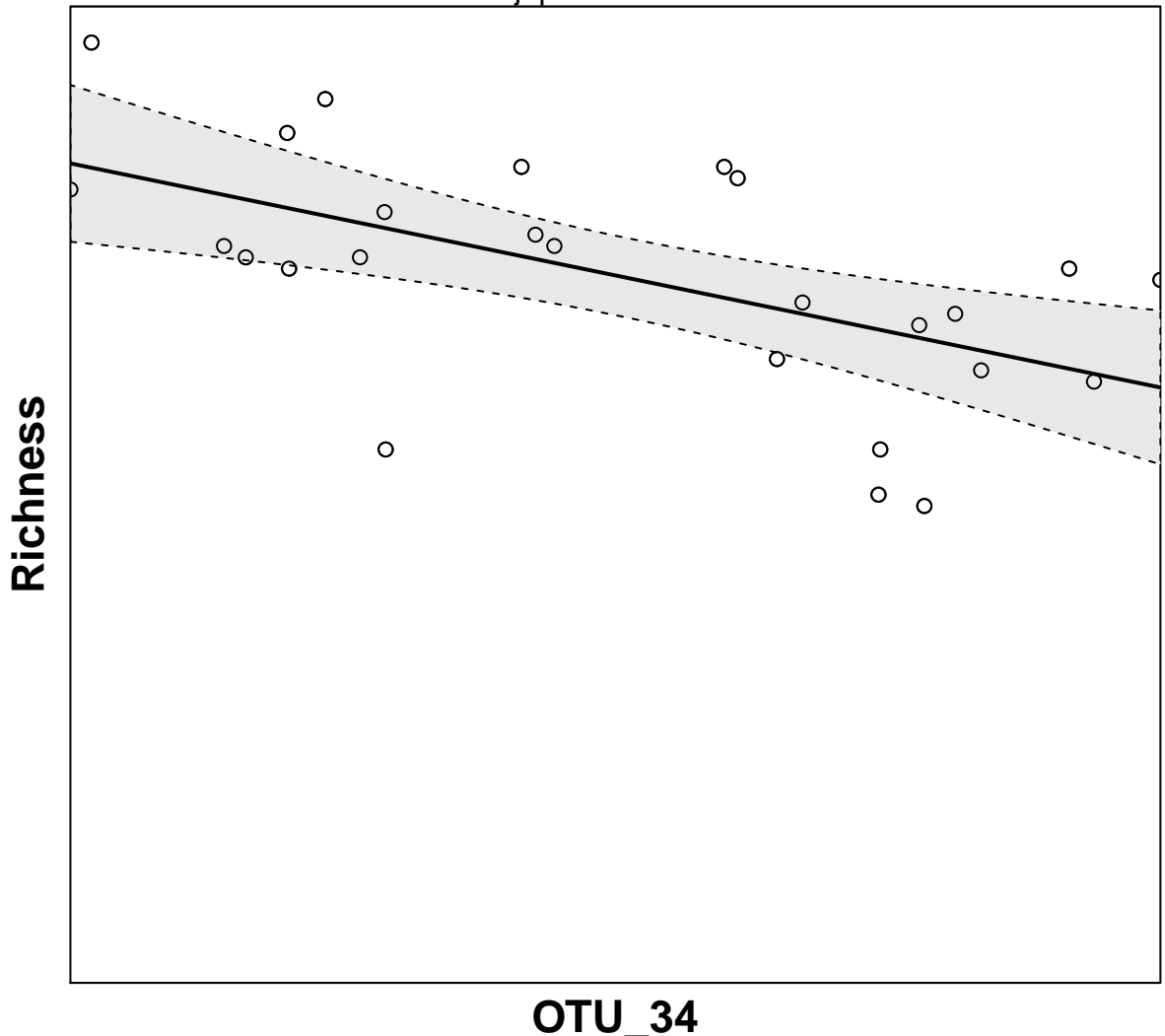
Pearson's r:0.5352
P−value:0.0085
Adj. p−value:0.1115

Richness

OTU_36

supported by 23 observations

Pearson's r:−0.5775
P−value:0.002
Adj. p−value:0.0529
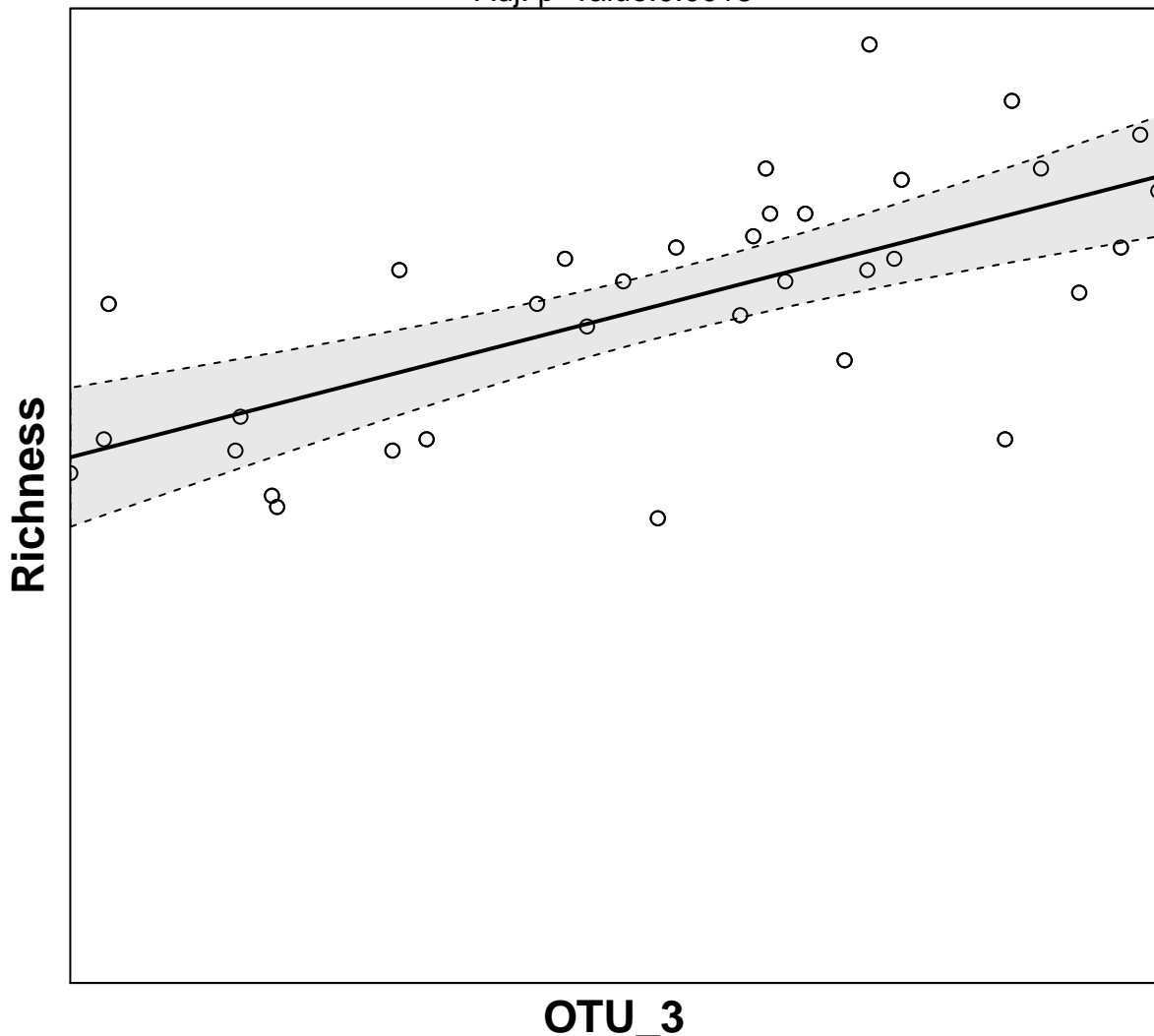
Richness

OTU_34

supported by 26 observations

Pearson's r:0.6708
P−value:0
Adj. p−value:0.0015

Richness

OTU_3

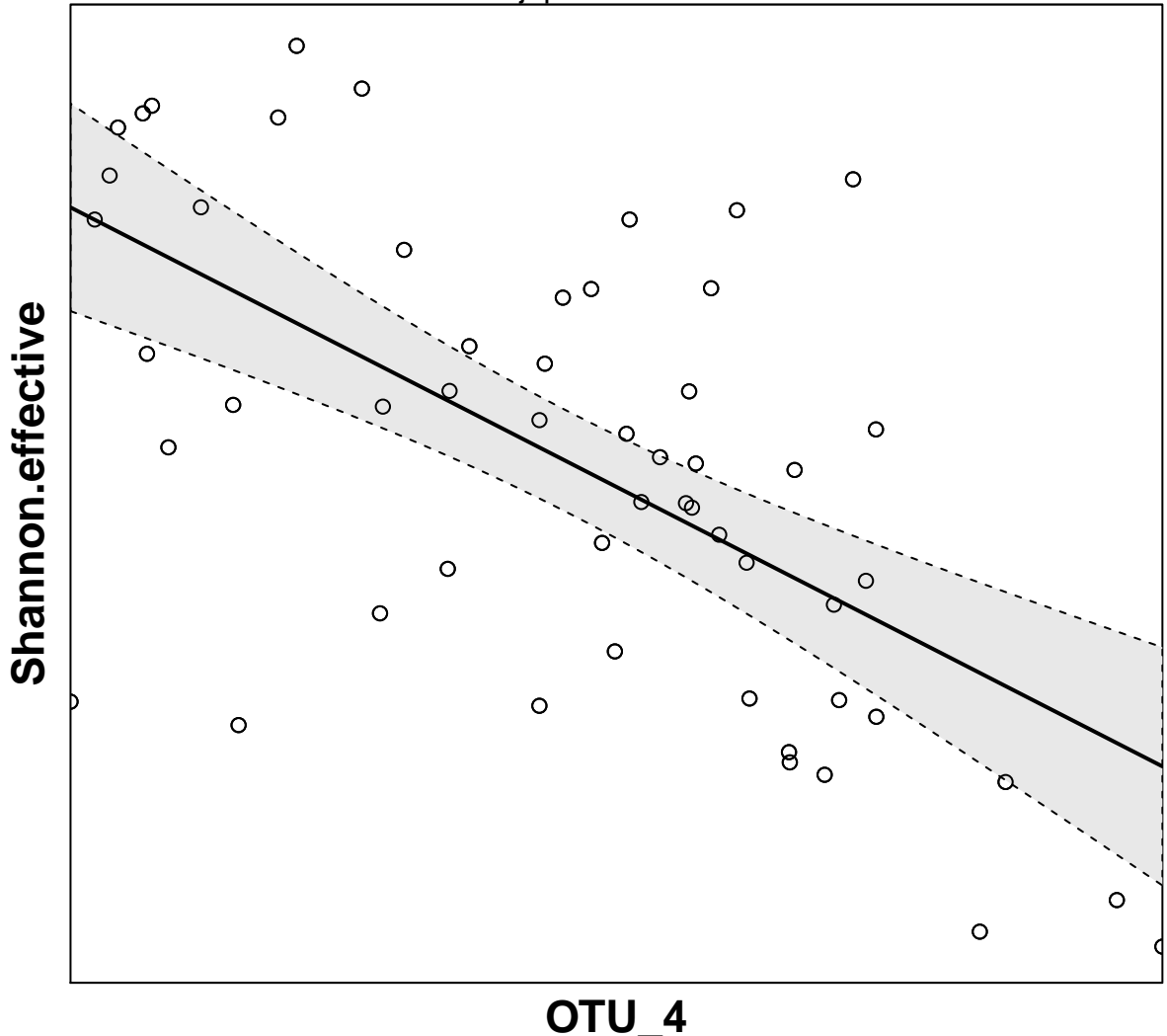supported by 34 observations

Pearson's r:−0.514
P−value:0
Adj. p−value:0.0022

Shannon.effective

OTU_5
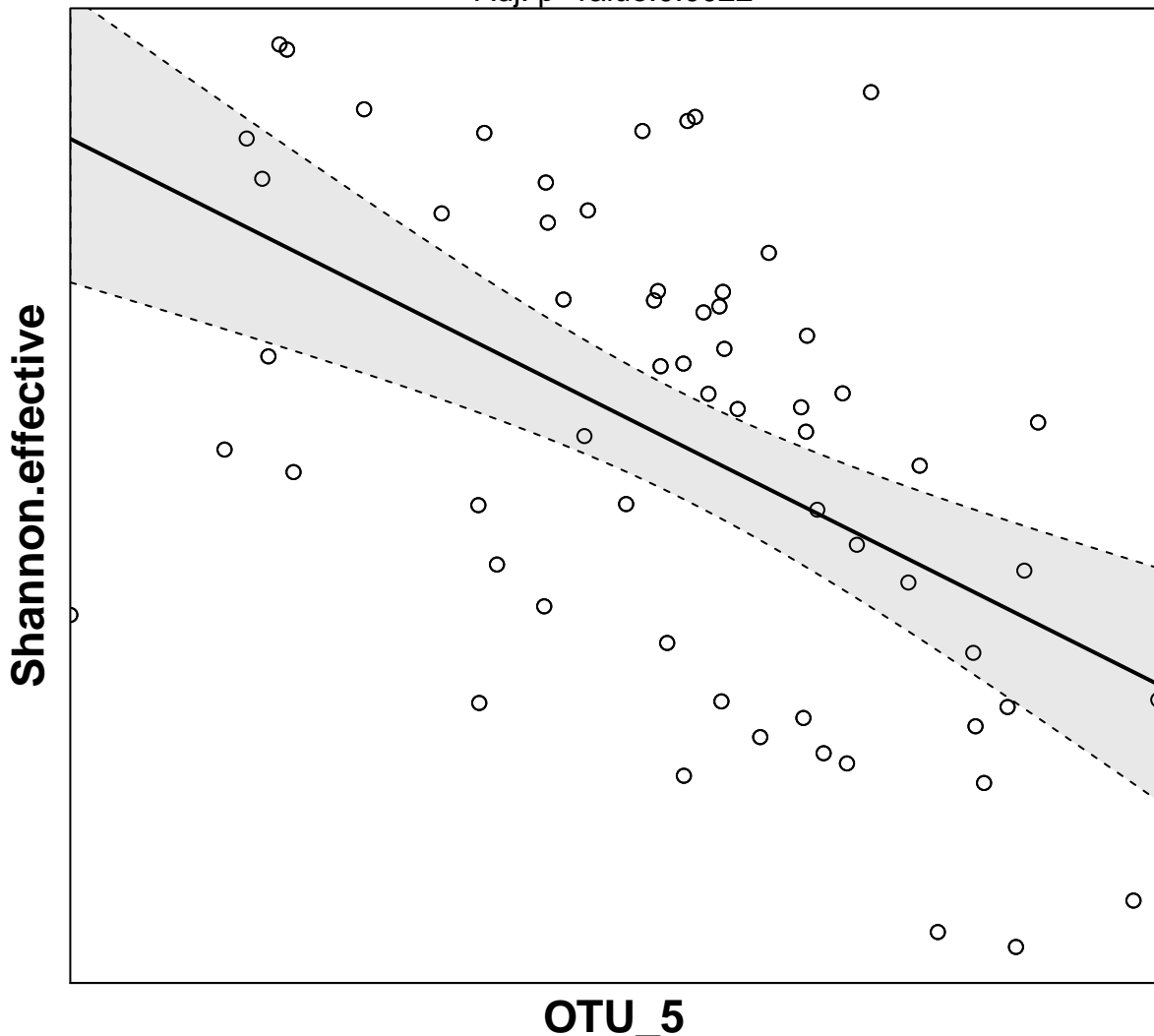
supported by 61 observations

Pearson's r:−0.6174
P−value:0
Adj. p−value:4e−04

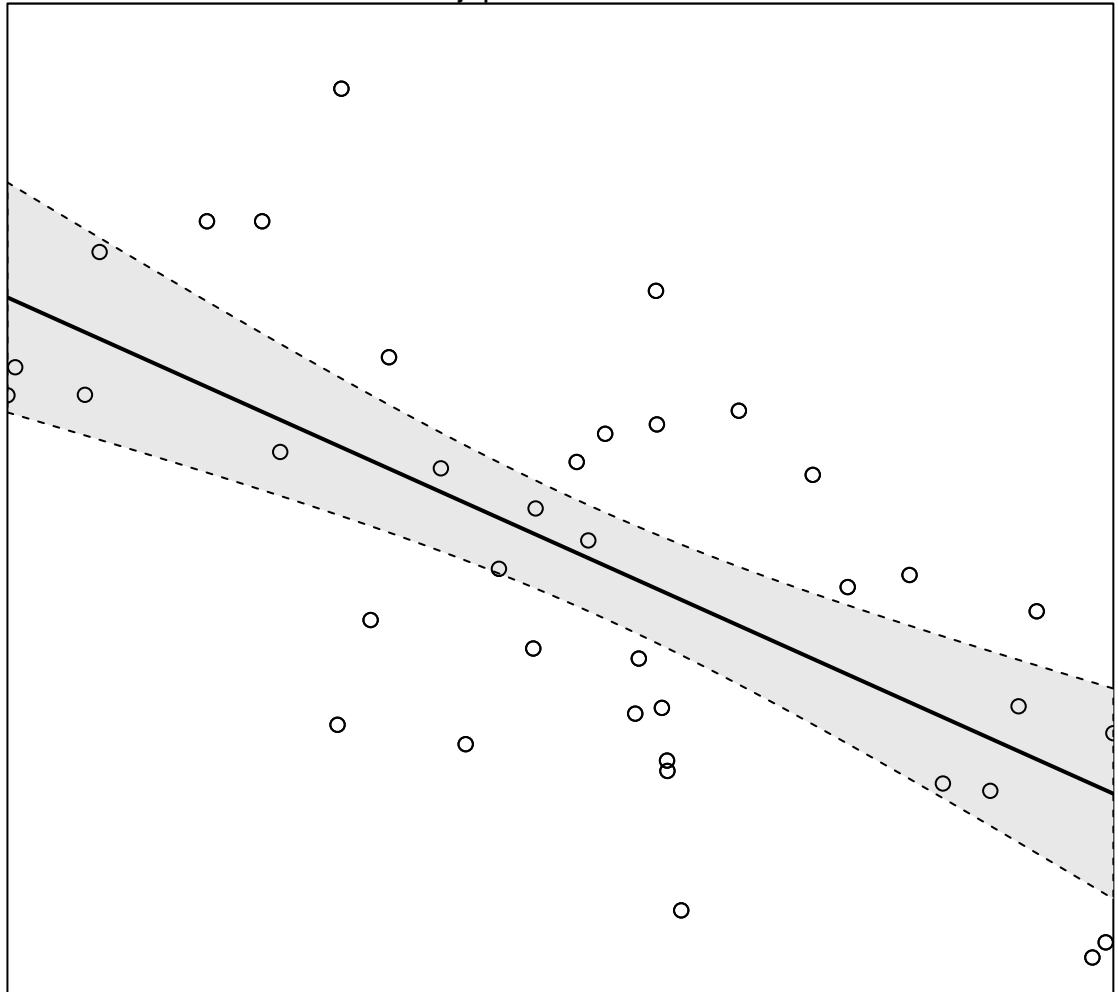Shannon.effective

OTU_4

supported by 54 observations

Pearson's r:−0.6564
P−value:0
Adj. p−value:0.0012

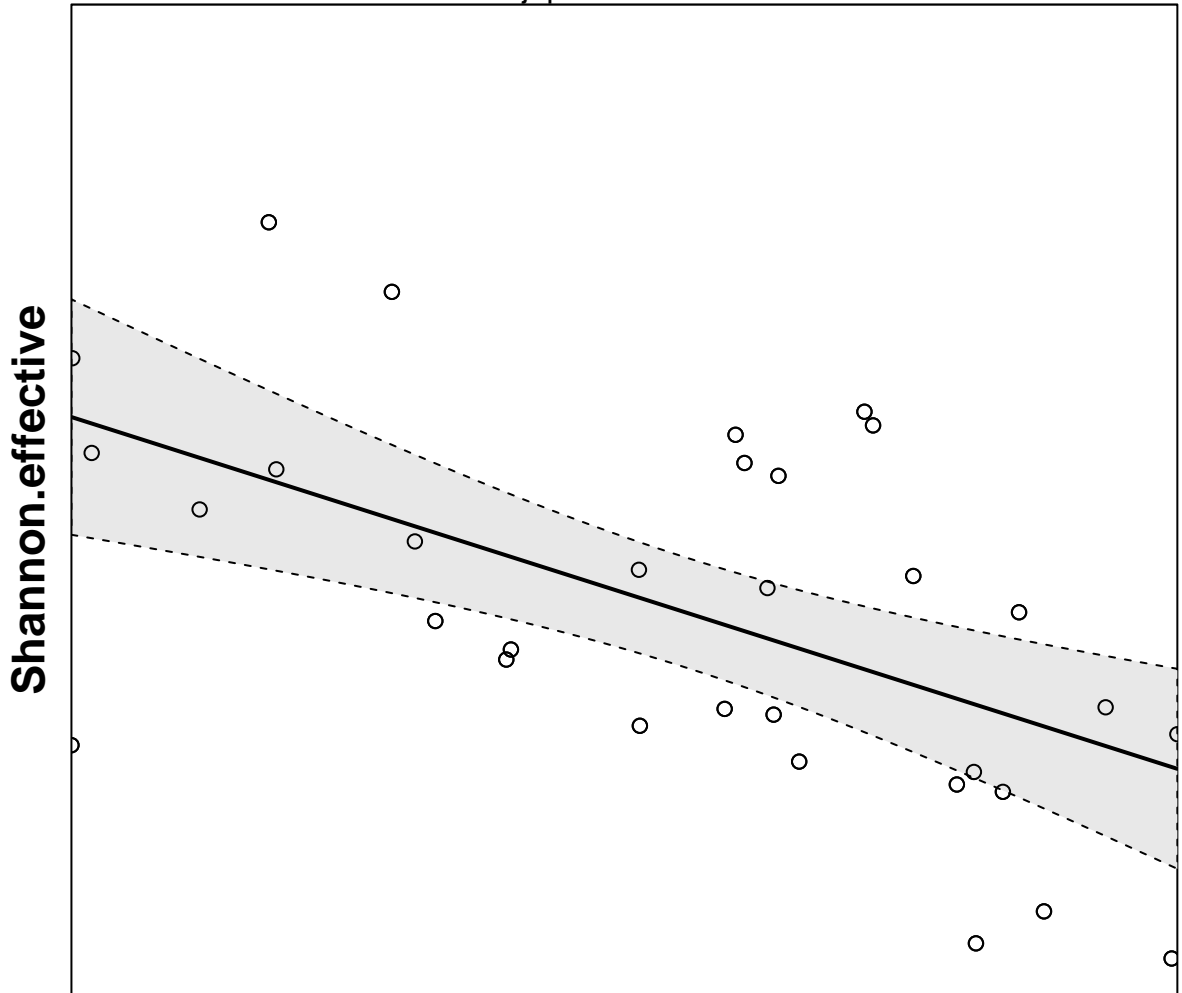**Shannon.effective**

OTU_31

supported by 38 observations

Pearson's r:−0.5731
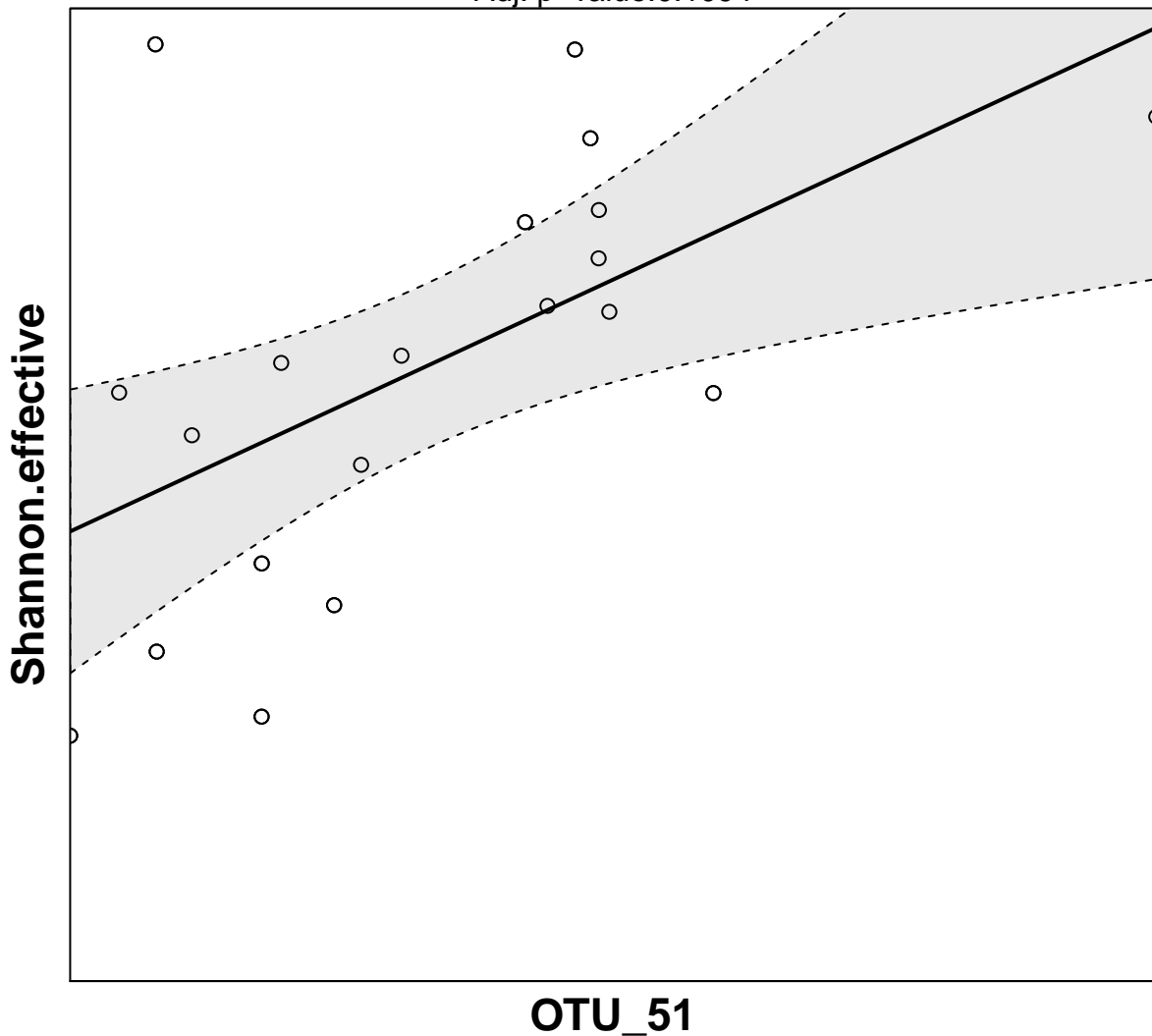P−value:6e−04
Adj. p−value:0.0245

Shannon.effective

OTU_39

supported by 32 observations

Pearson's r:0.5773
P−value:0.0077
Adj. p−value:0.1094

Shannon.effective

OTU_51

supported by 20 observations

Pearson's r:0.5129
P−value:0.0123
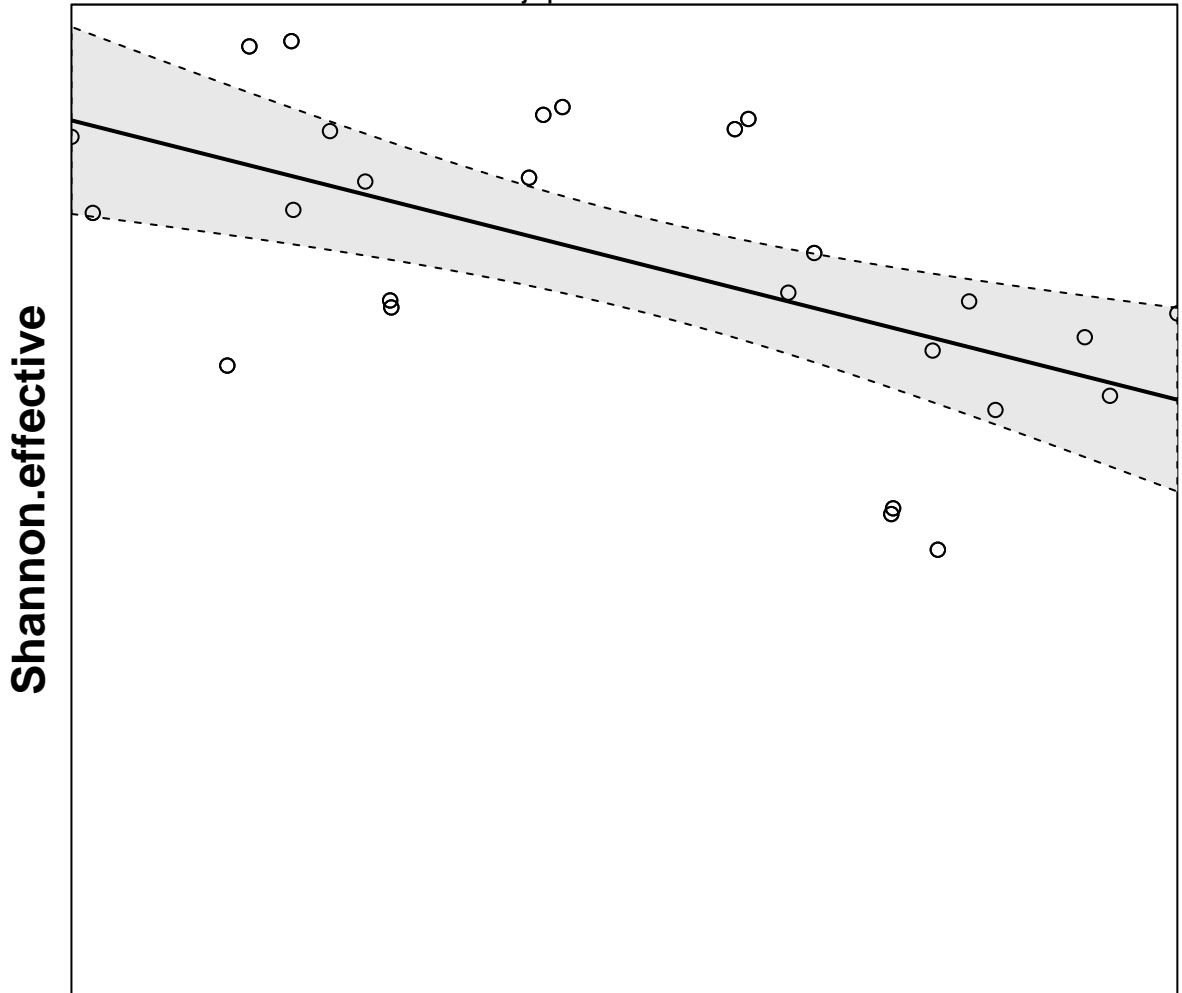Adj. p−value:0.1415
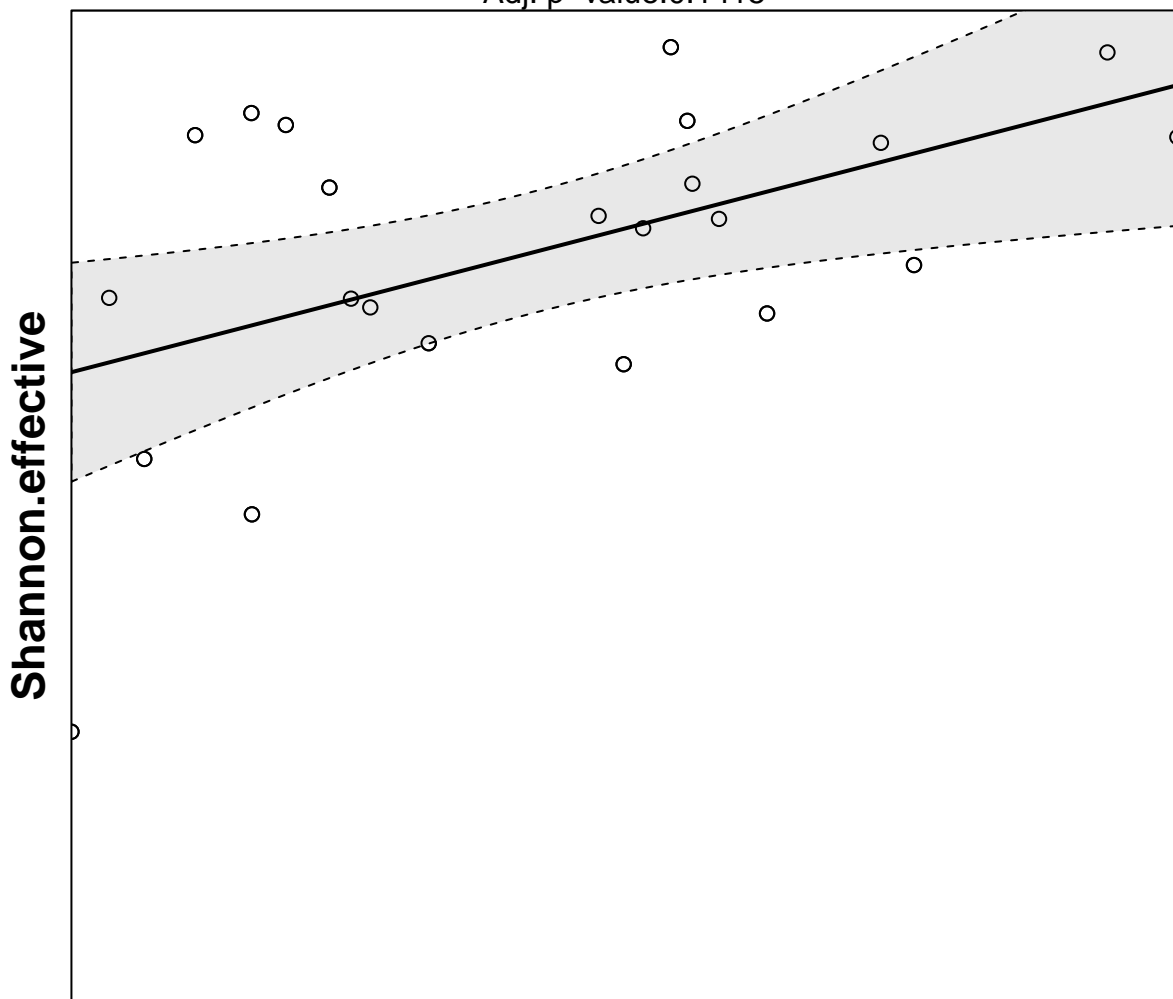
Shannon.effective

OTU_36

supported by 23 observations

Pearson's r:−0.5943
P−value:0.0014
Adj. p−value:0.0412

Shannon.effective

OTU_34

supported by 26 observations
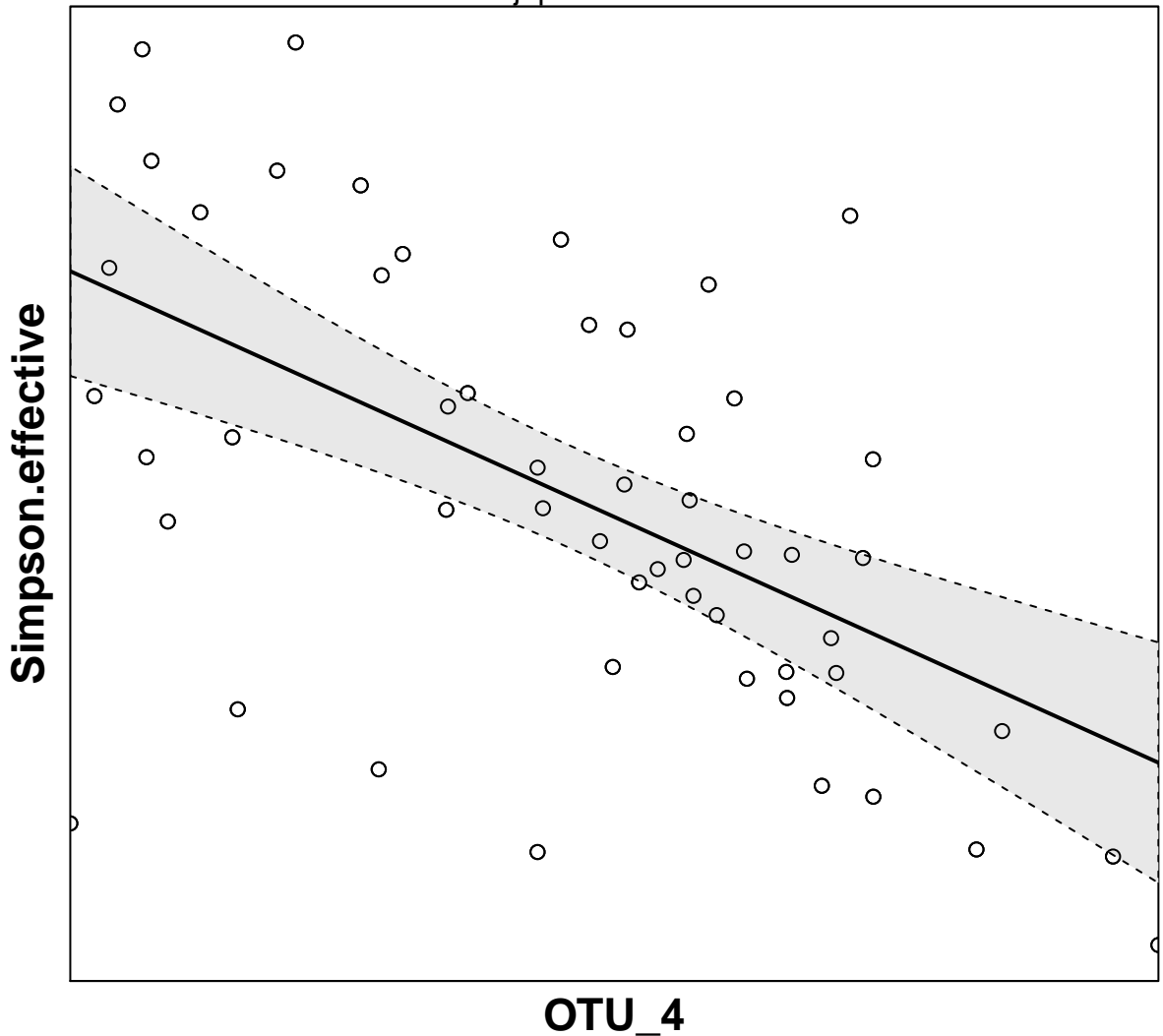
Pearson's r:0.5704
P-value:4e-04
Adj. p-value:0.0206

Shannon.effective
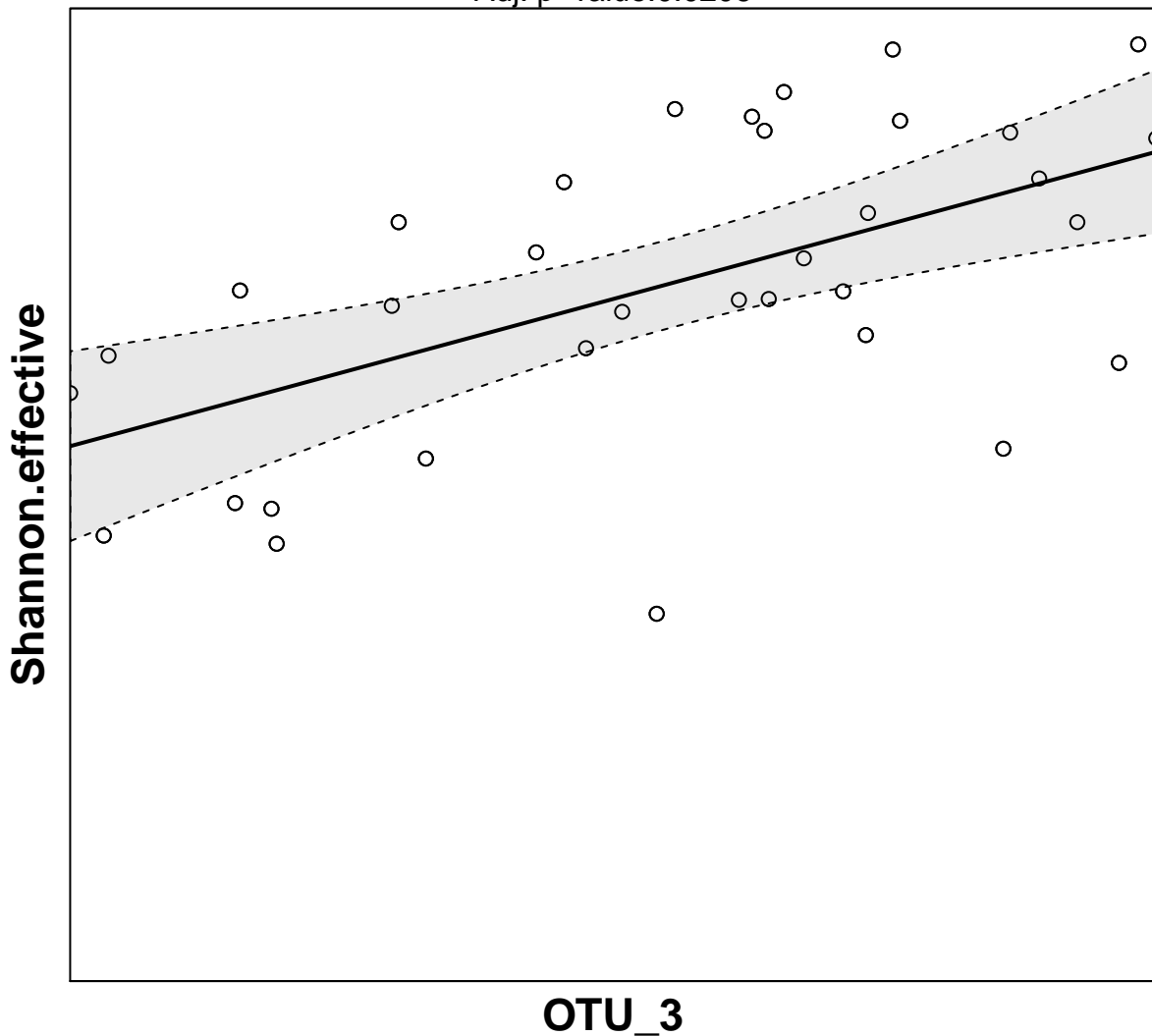
OTU_3

supported by 34 observations

Pearson's r:−0.5642
P−value:0
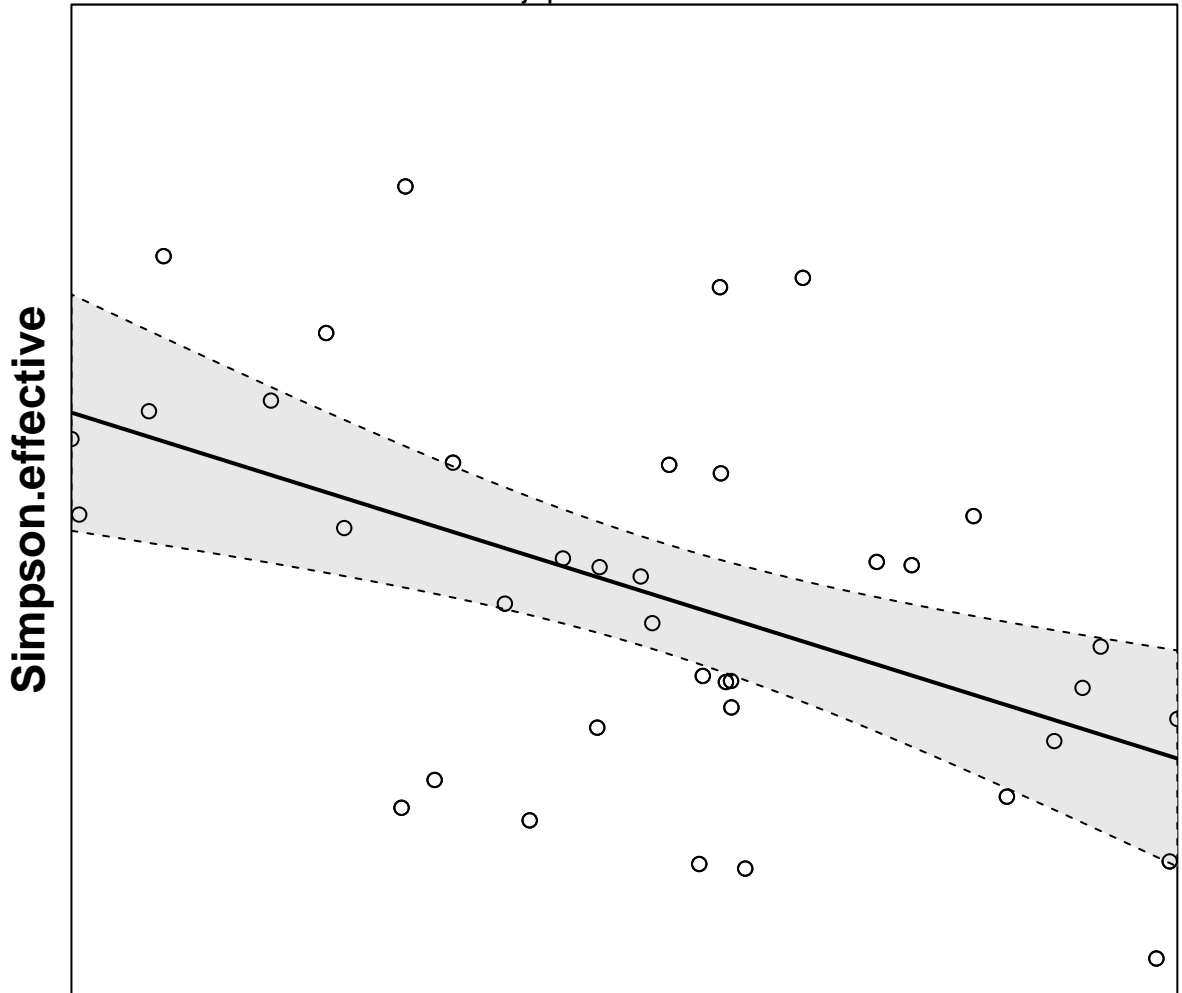Adj. p−value:0.0012

Simpson.effective

OTU_4

supported by 54 observations

Pearson's r:−0.5081
P−value:0.0011
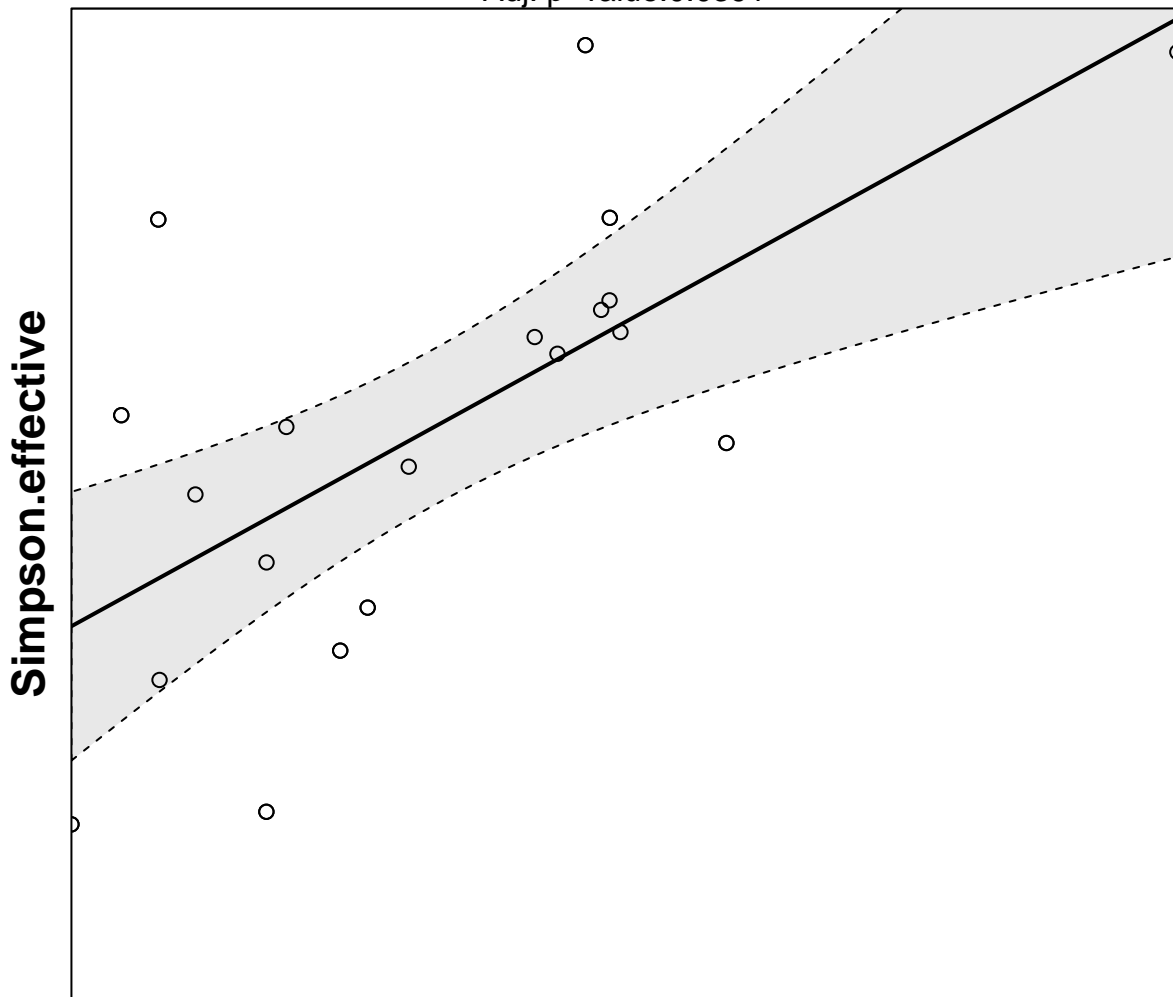Adj. p−value:0.0364

Simpson.effective

OTU_31

supported by 38 observations

Pearson's r:0.6692
P−value:0.0013
Adj. p−value:0.0391

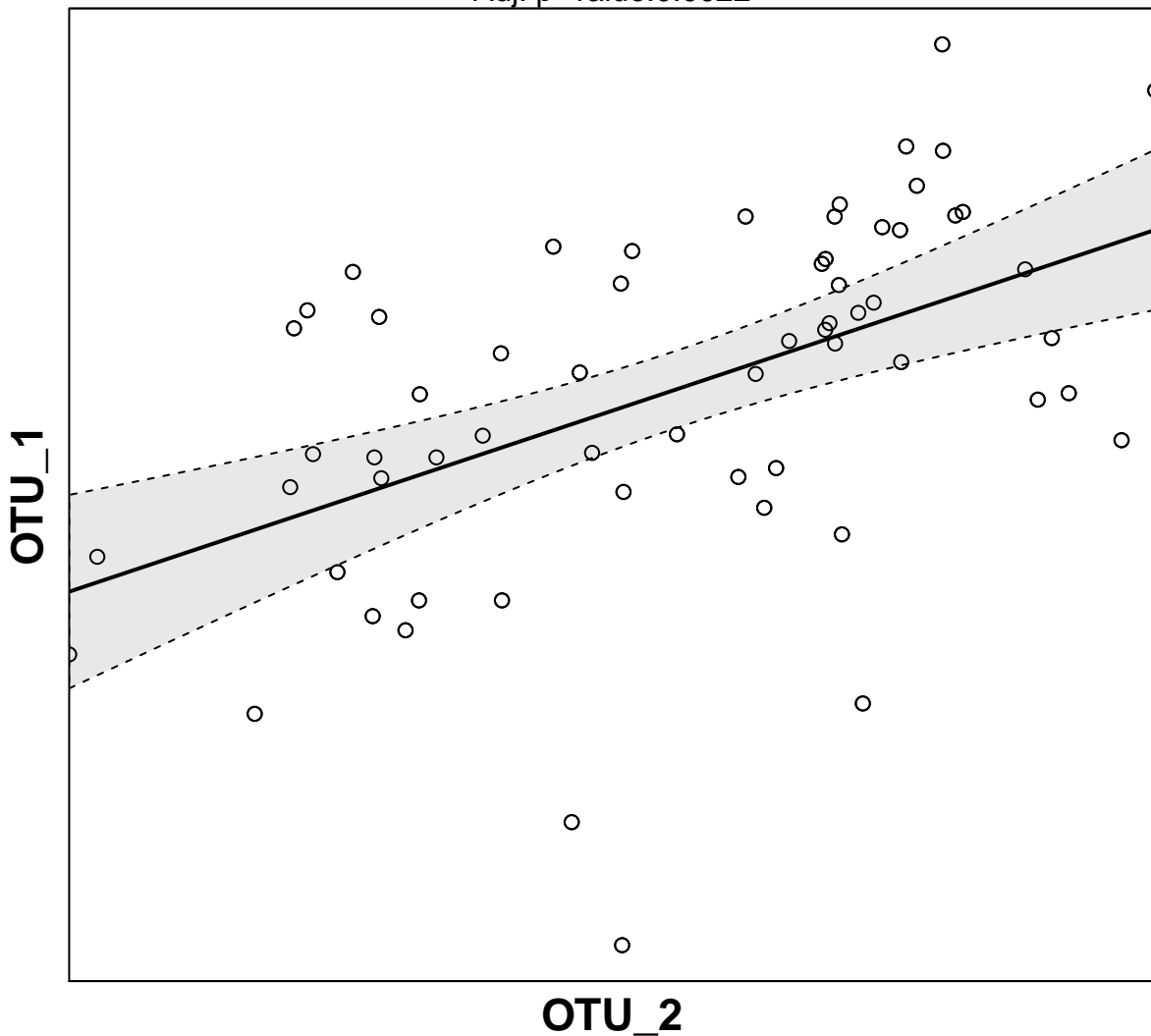**Simpson.effective**

OTU_51

supported by 20 observations
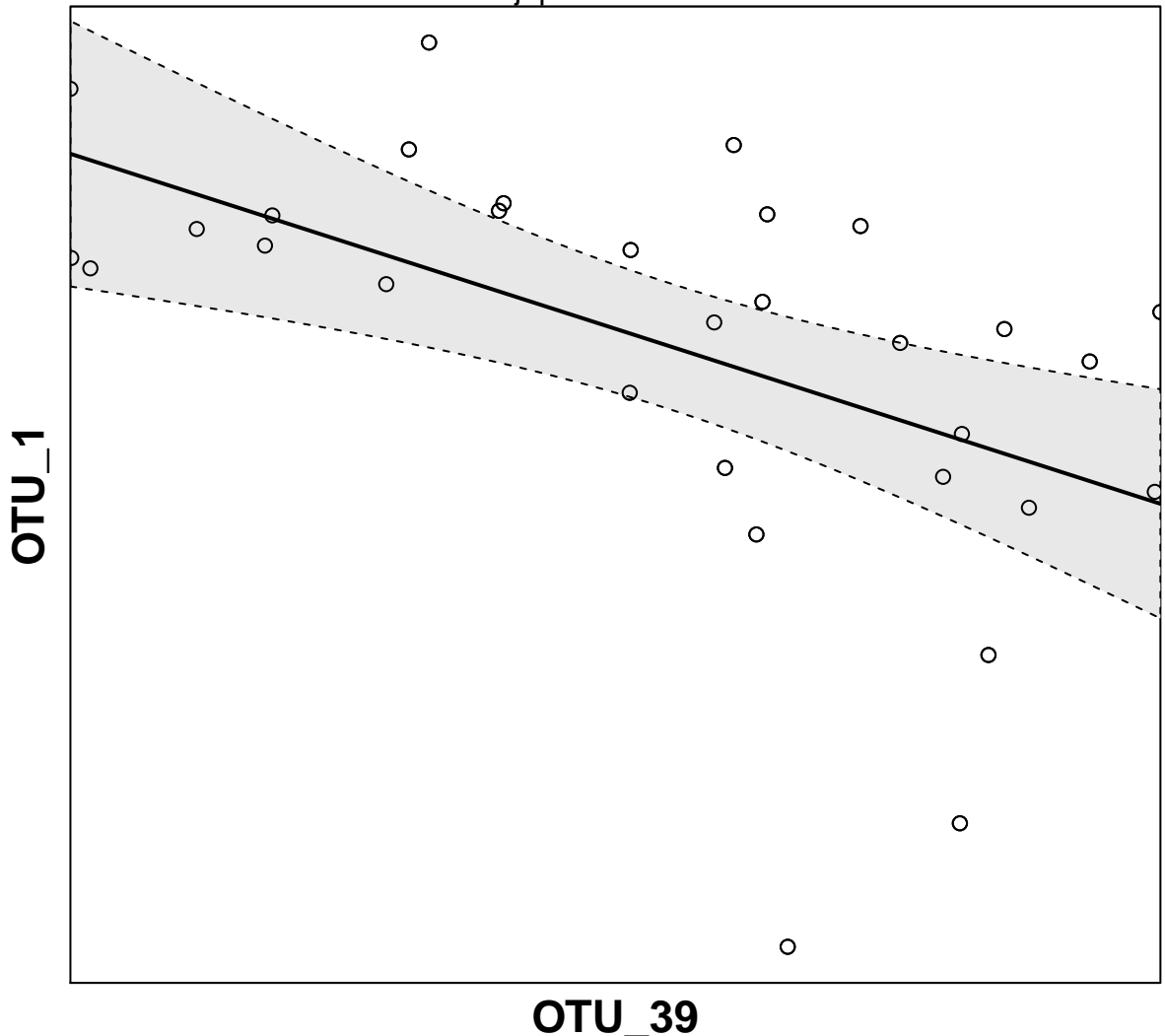
Pearson's r:0.5071
P−value:0
Adj. p−value:0.0022

OTU_1

OTU_2

supported by 62 observations

Pearson's r:−0.5304
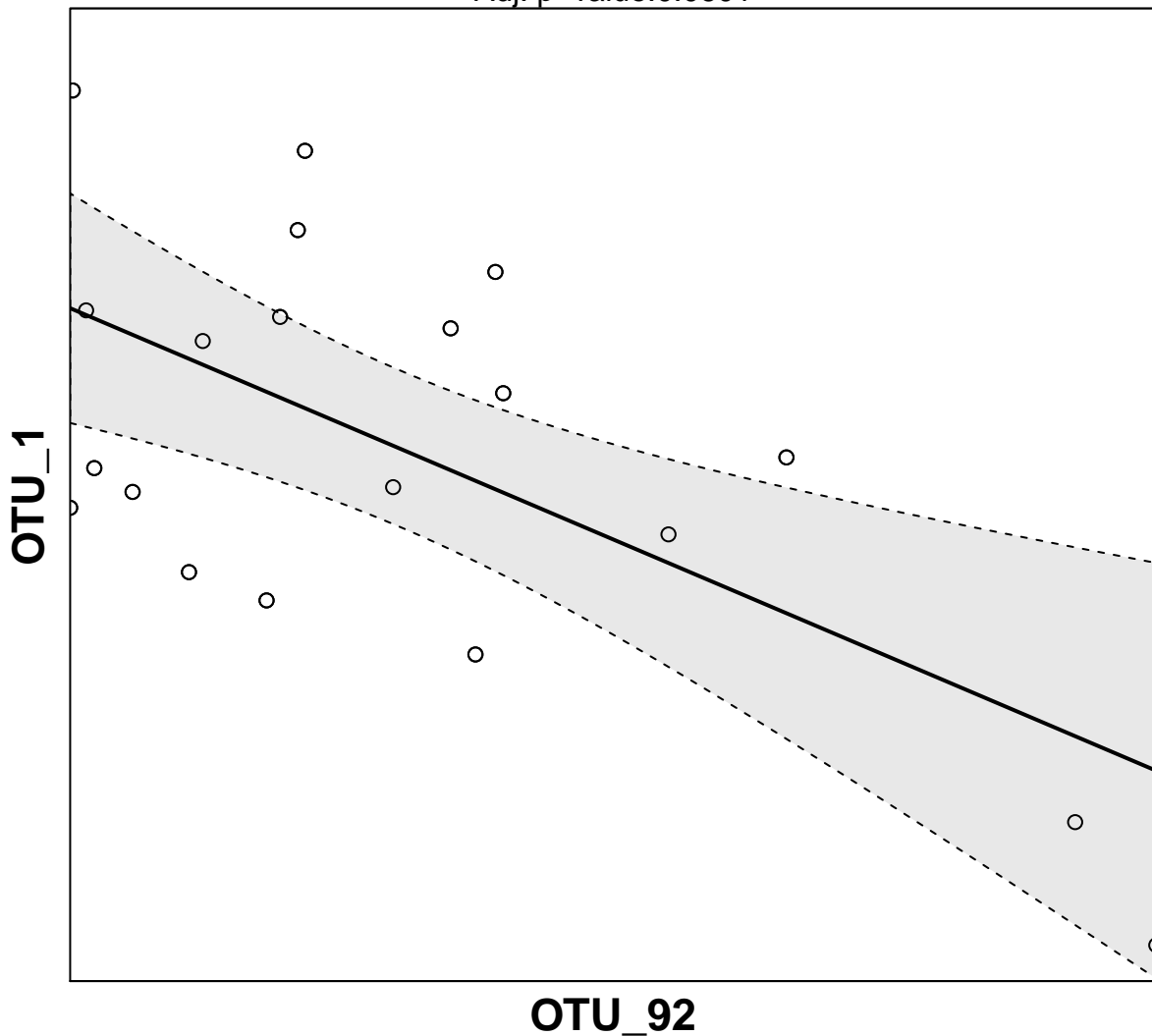P−value:0.0021
Adj. p−value:0.0543

OTU_1
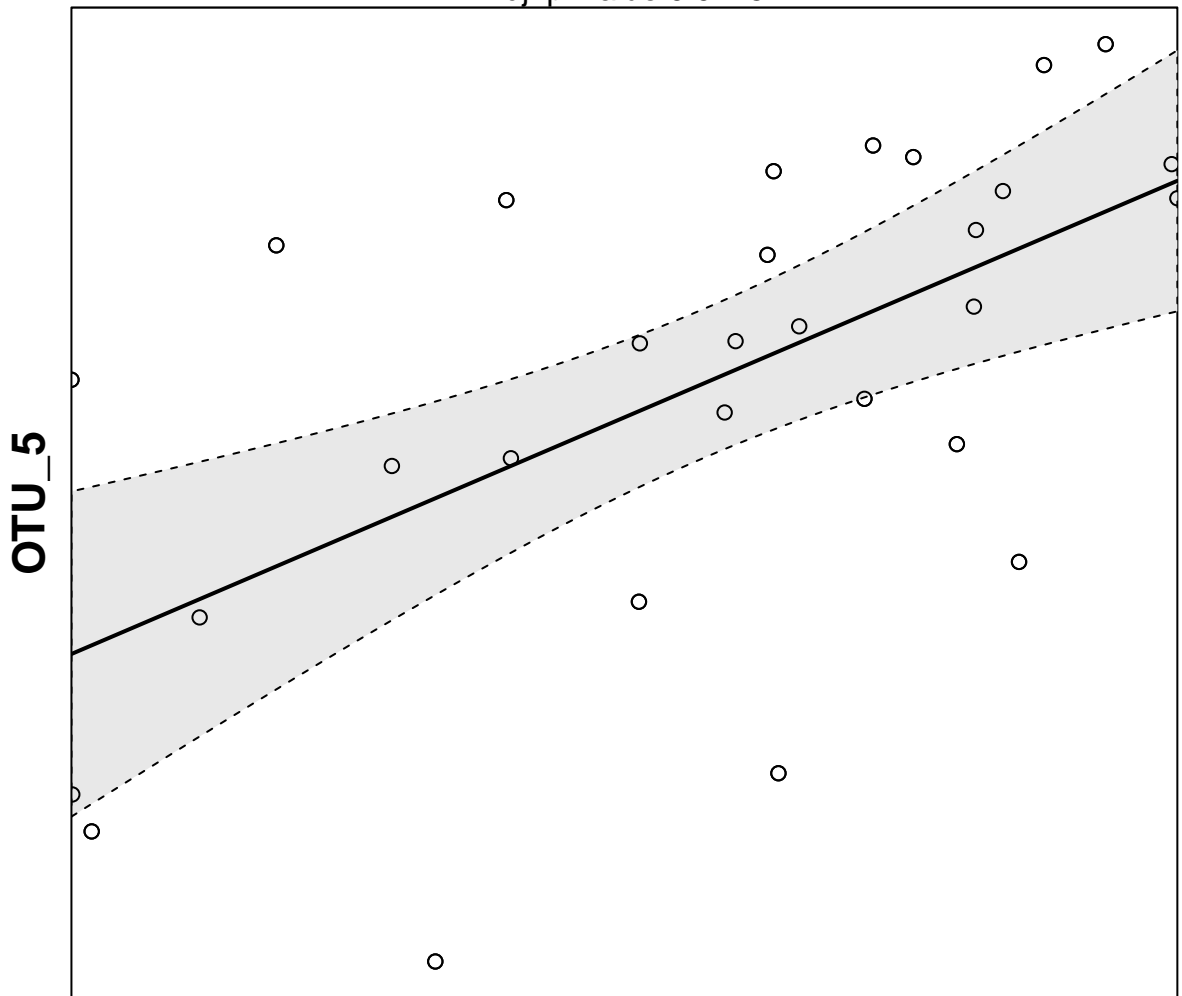
OTU_39

supported by 31 observations

Pearson's r:−0.638
P−value:0.0025
Adj. p−value:0.0601

OTU_1

OTU_92

supported by 20 observations

Pearson's r:0.5961
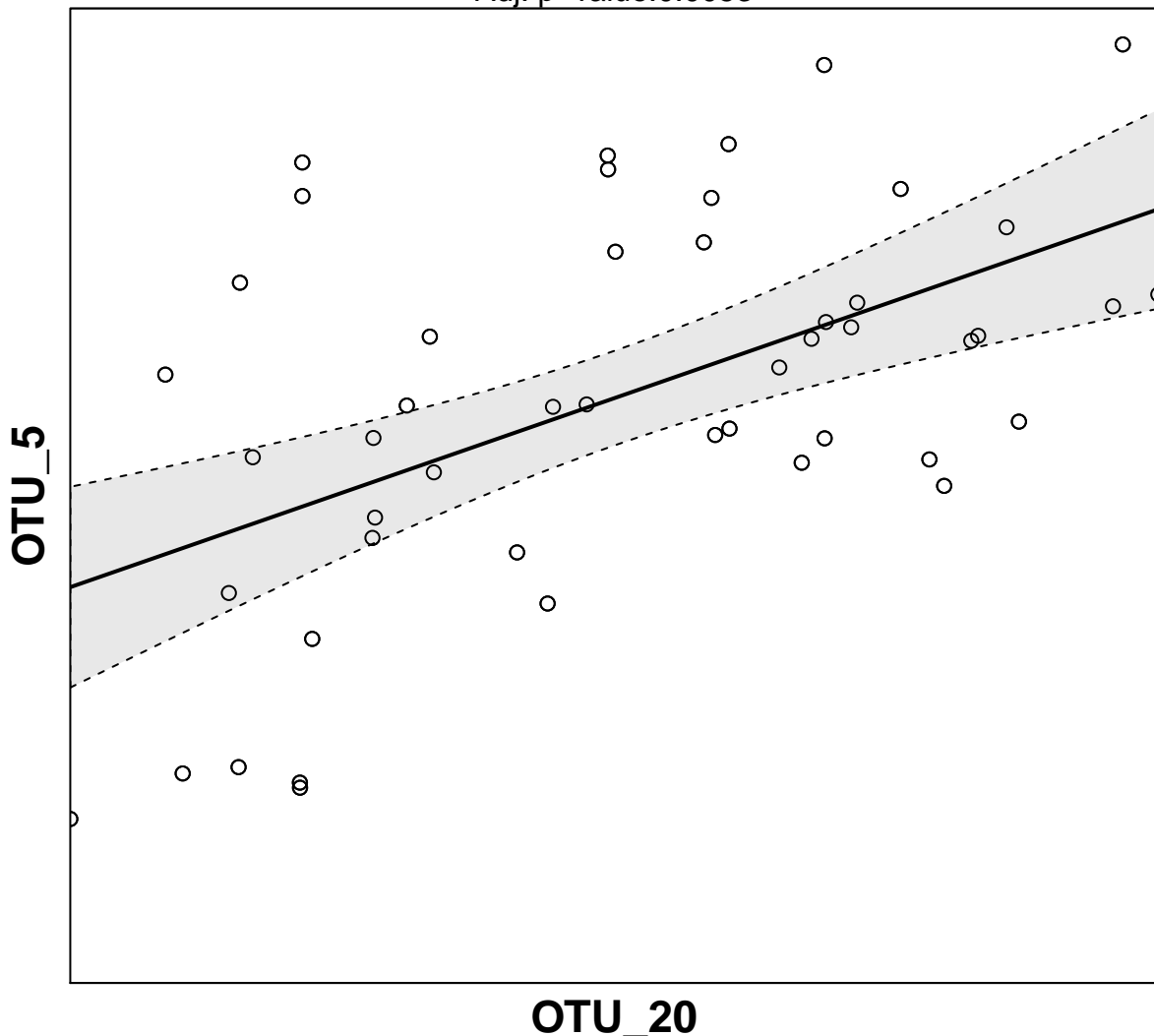P−value:6e−04
Adj. p−value:0.0245

OTU_5

OTU_39

supported by 29 observations

Pearson's r:0.5373
P−value:1e−04
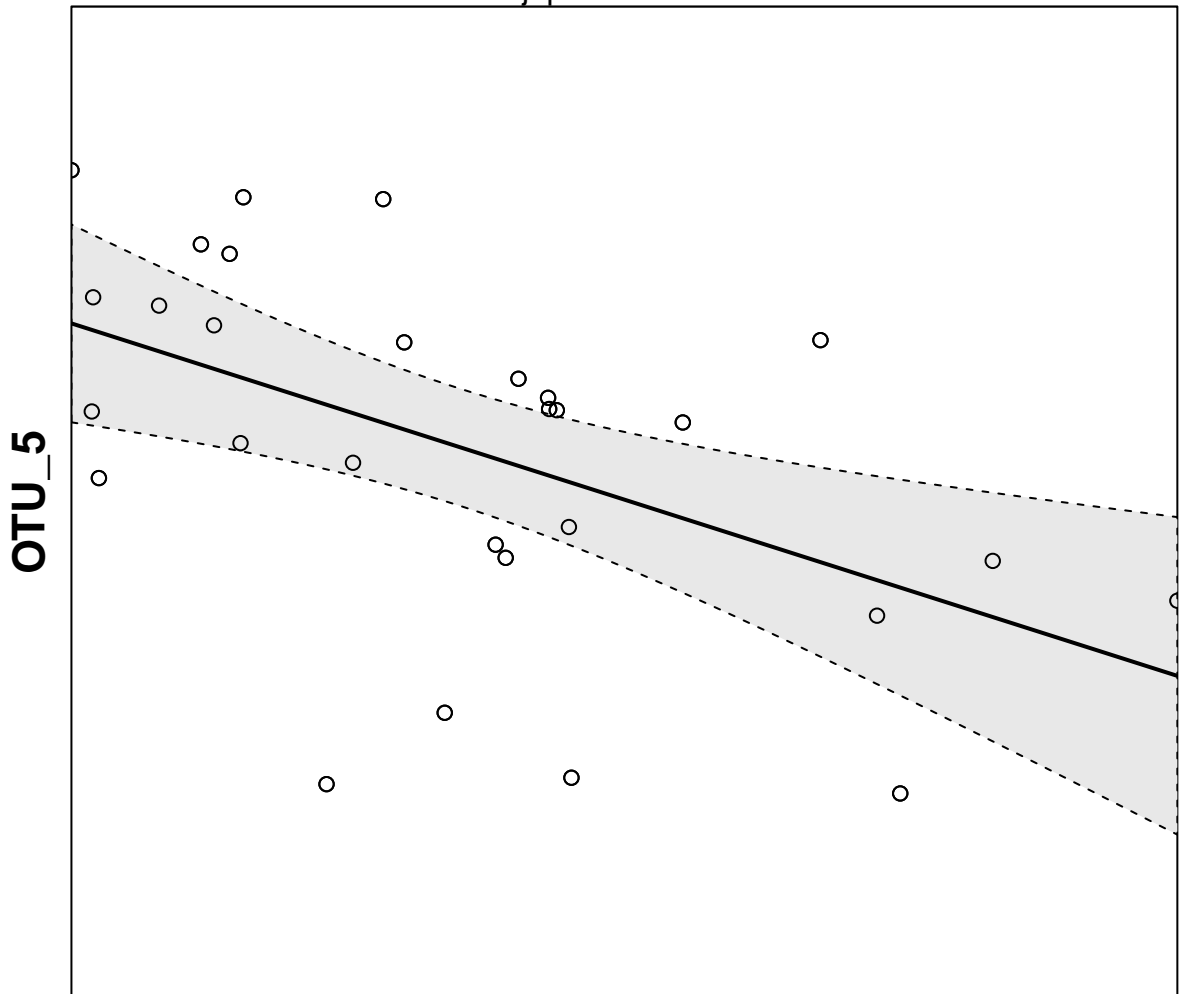Adj. p−value:0.0053

OTU_5

OTU_20

supported by 48 observations

Pearson's r:−0.5222
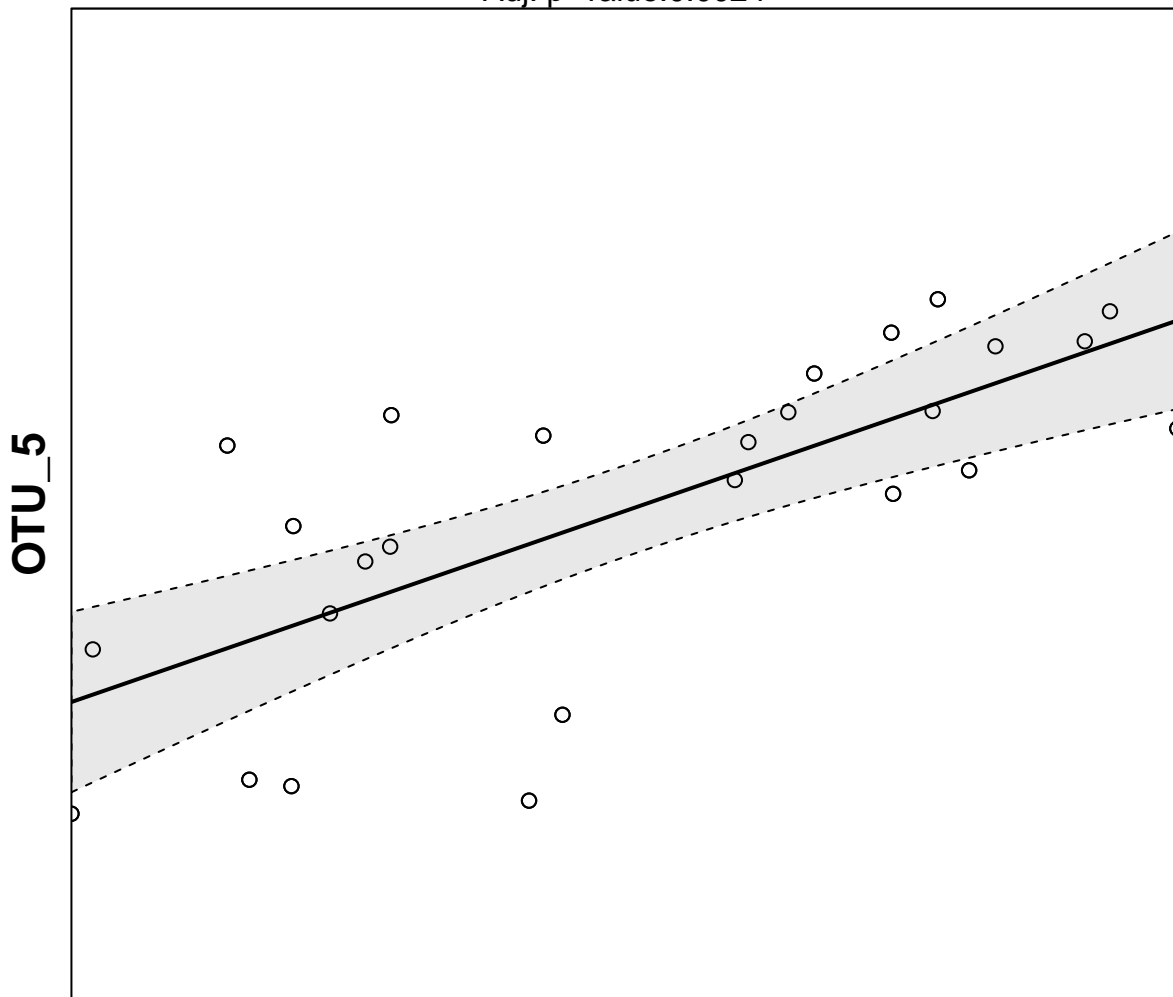P−value:0.0037
Adj. p−value:0.0715

OTU_5

OTU_25

supported by 29 observations

Pearson's r:0.7231
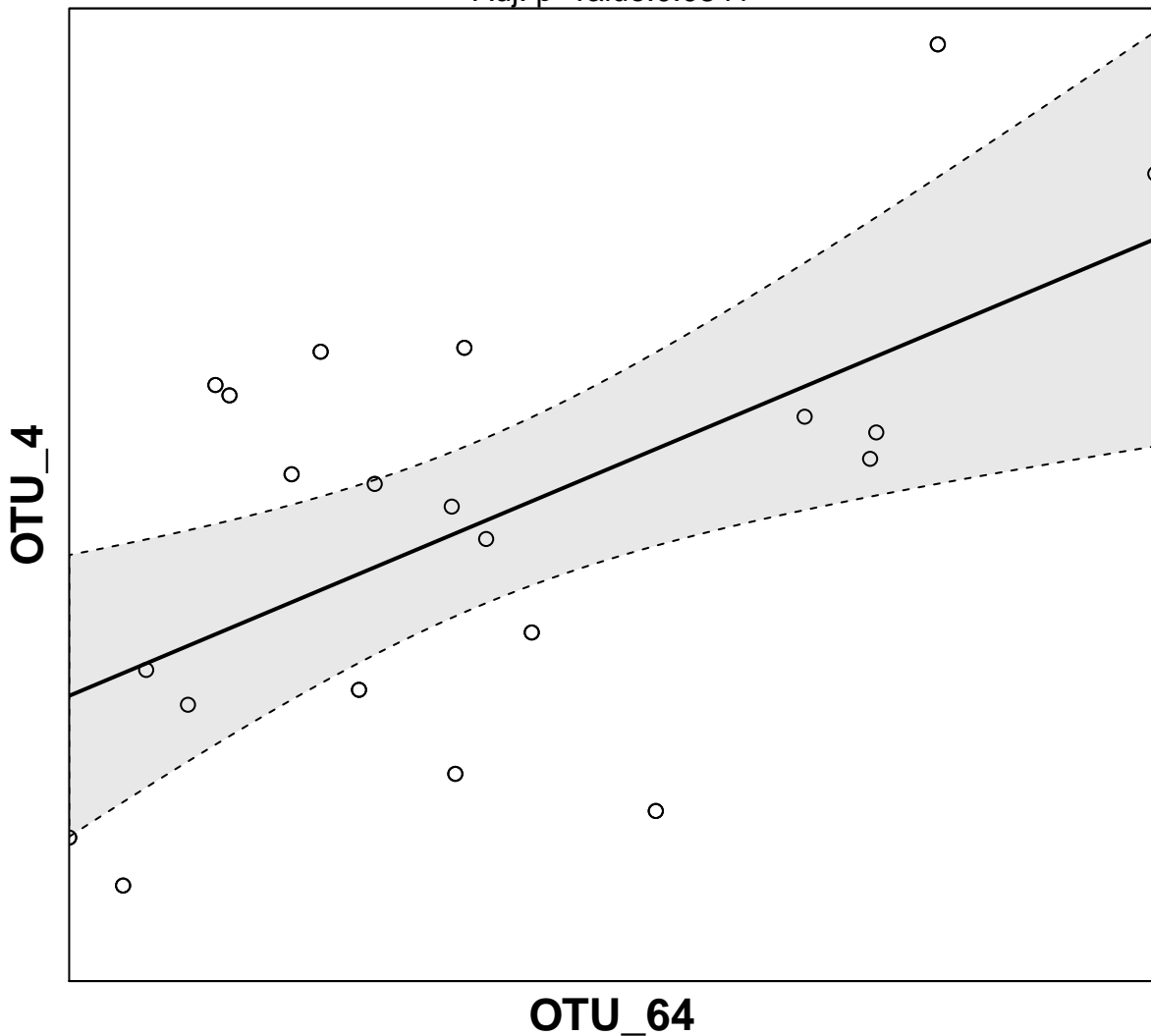P−value:0
Adj. p−value:0.0024

OTU_5

OTU_34

supported by 26 observations

Pearson's r:0.5849
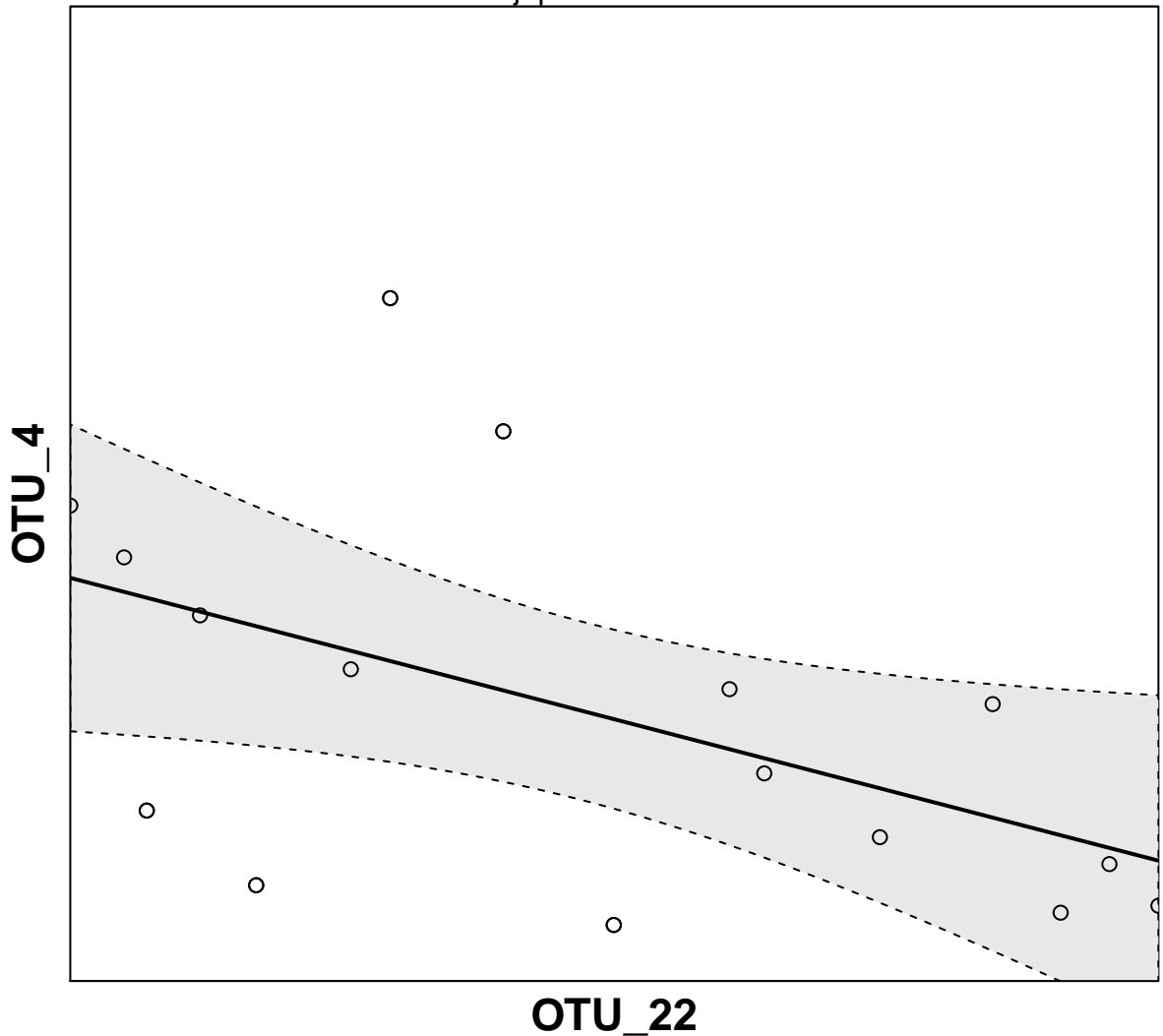P−value:0.0053
Adj. p−value:0.0841

OTU_4

OTU_64

supported by 21 observations

Pearson's r:−0.5231
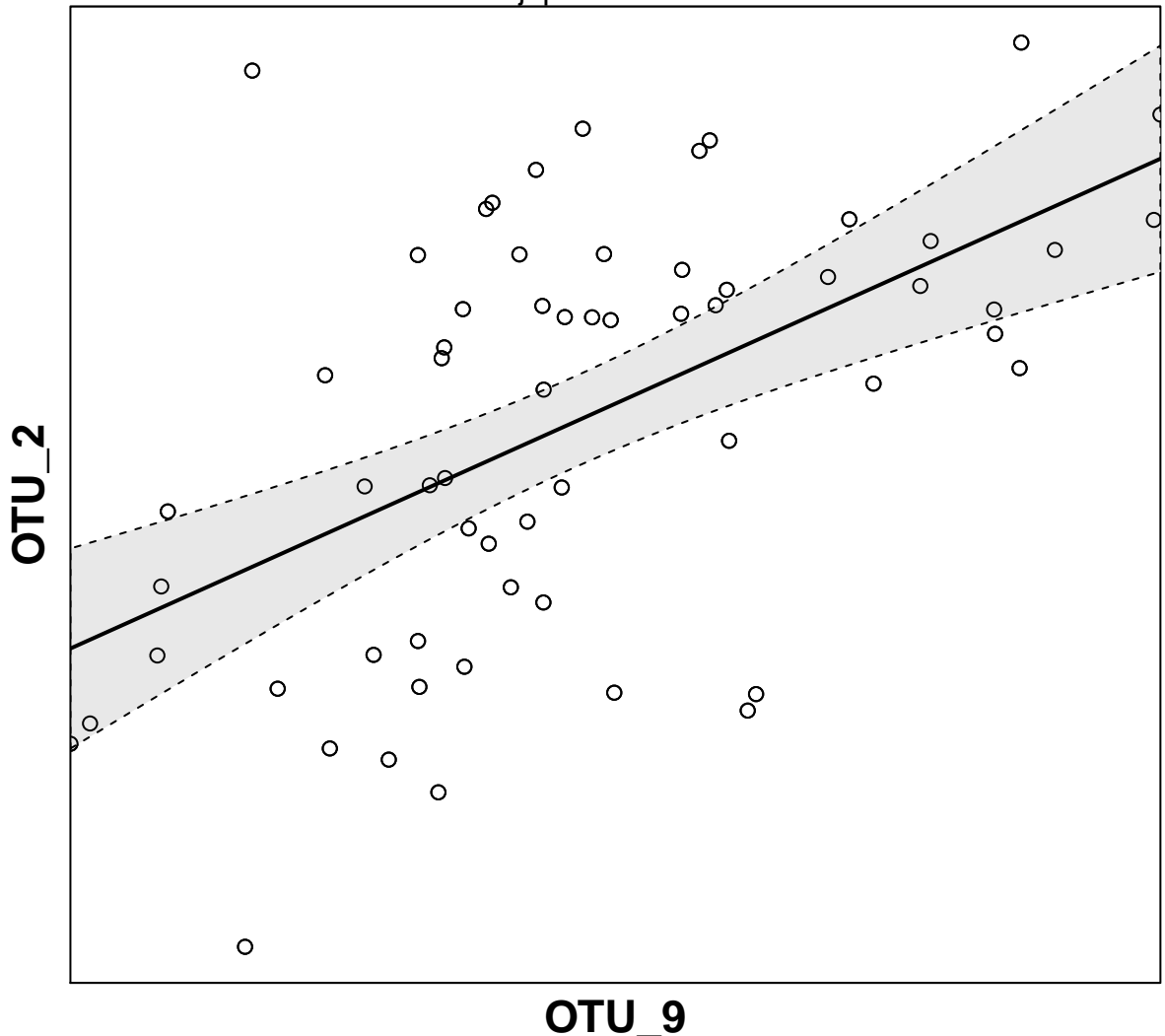P−value:0.0376
Adj. p−value:0.2593

OTU_4

OTU_22

supported by 16 observations

Pearson's r:0.5487
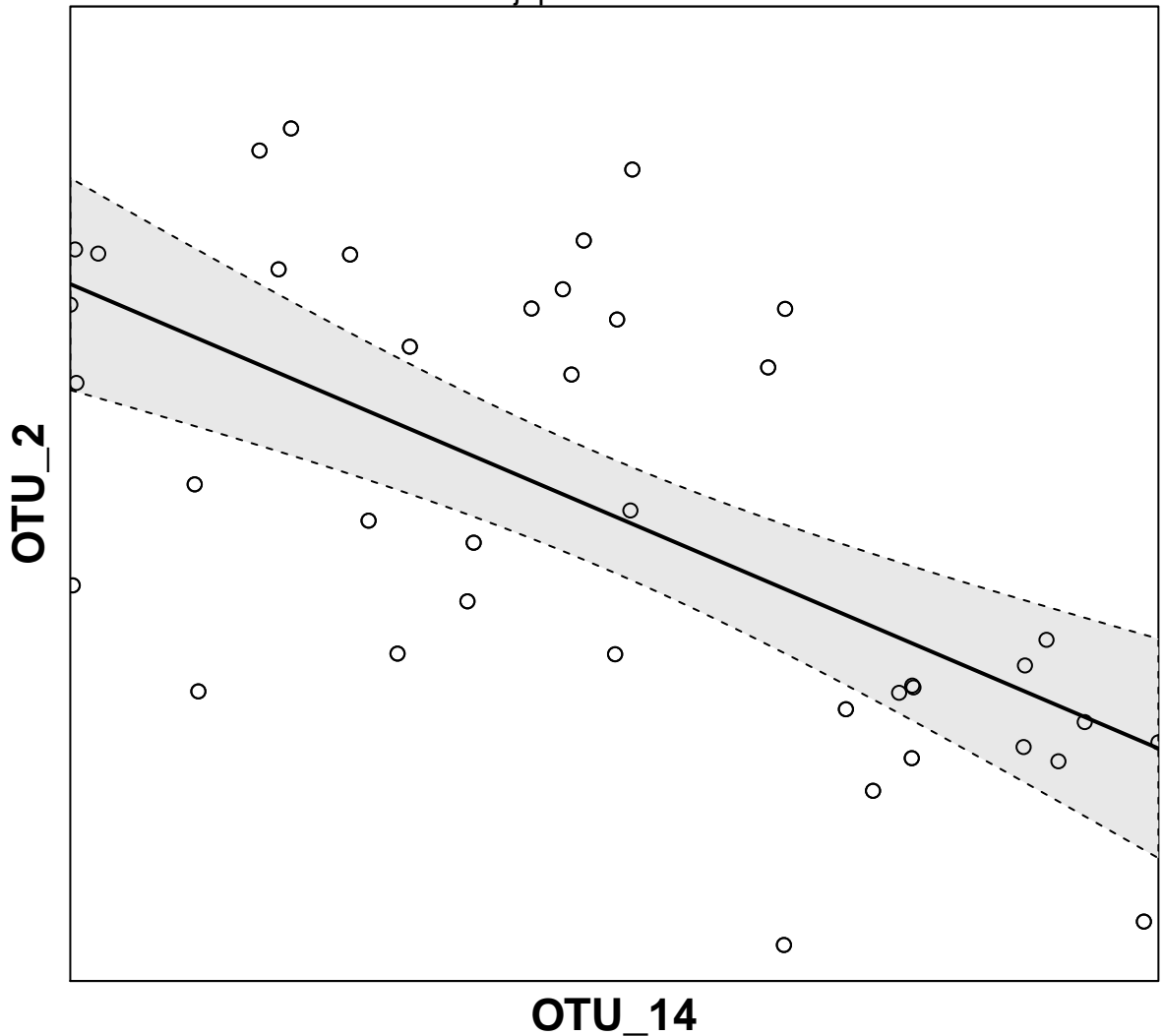P–value:0
Adj. p–value:9e–04

OTU_2

OTU_9

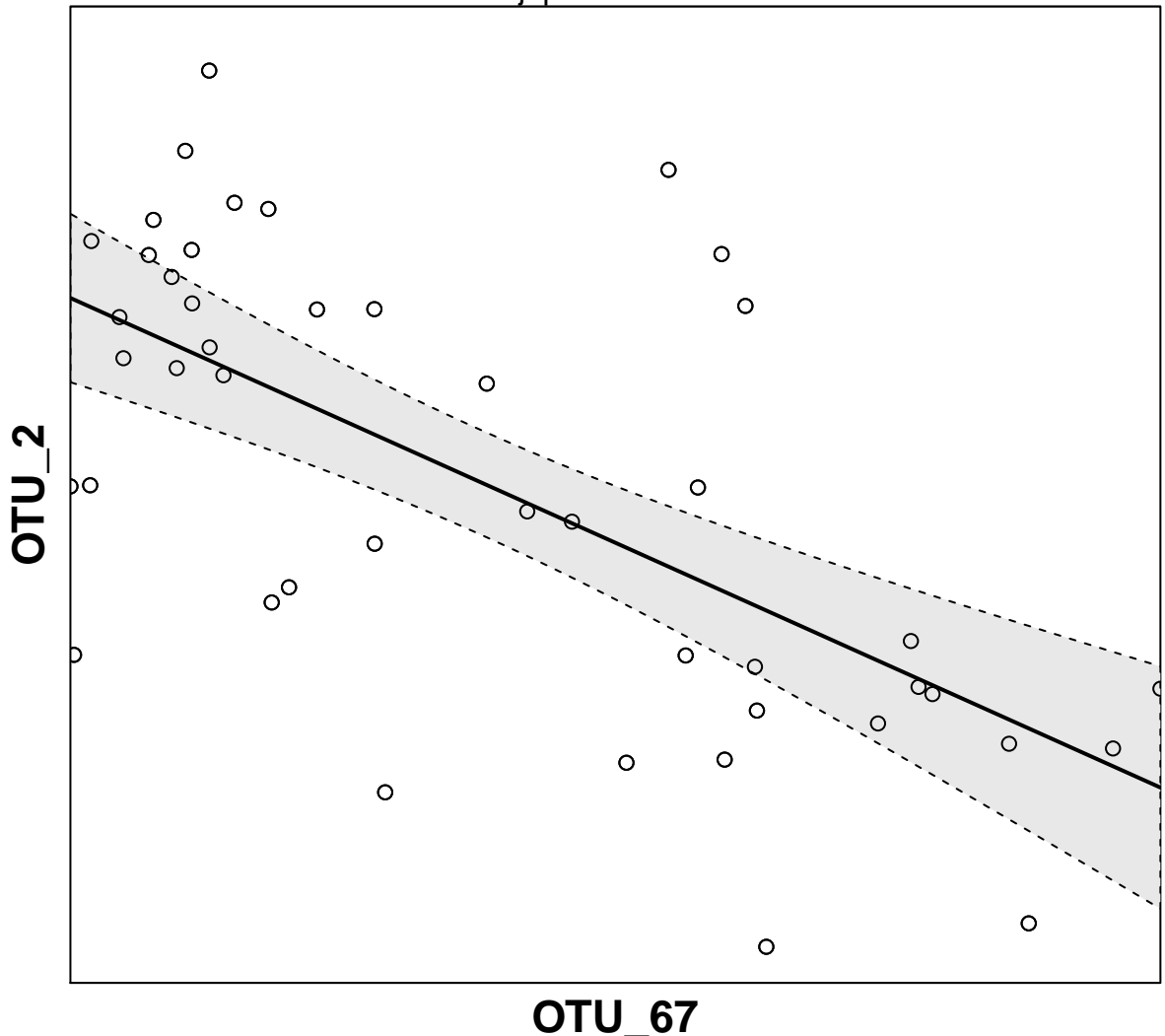supported by 62 observations

Pearson's r:−0.6385
P−value:0
Adj. p−value:0.0012

OTU_2

OTU_14

supported by 40 observations

Pearson's r:−0.6516
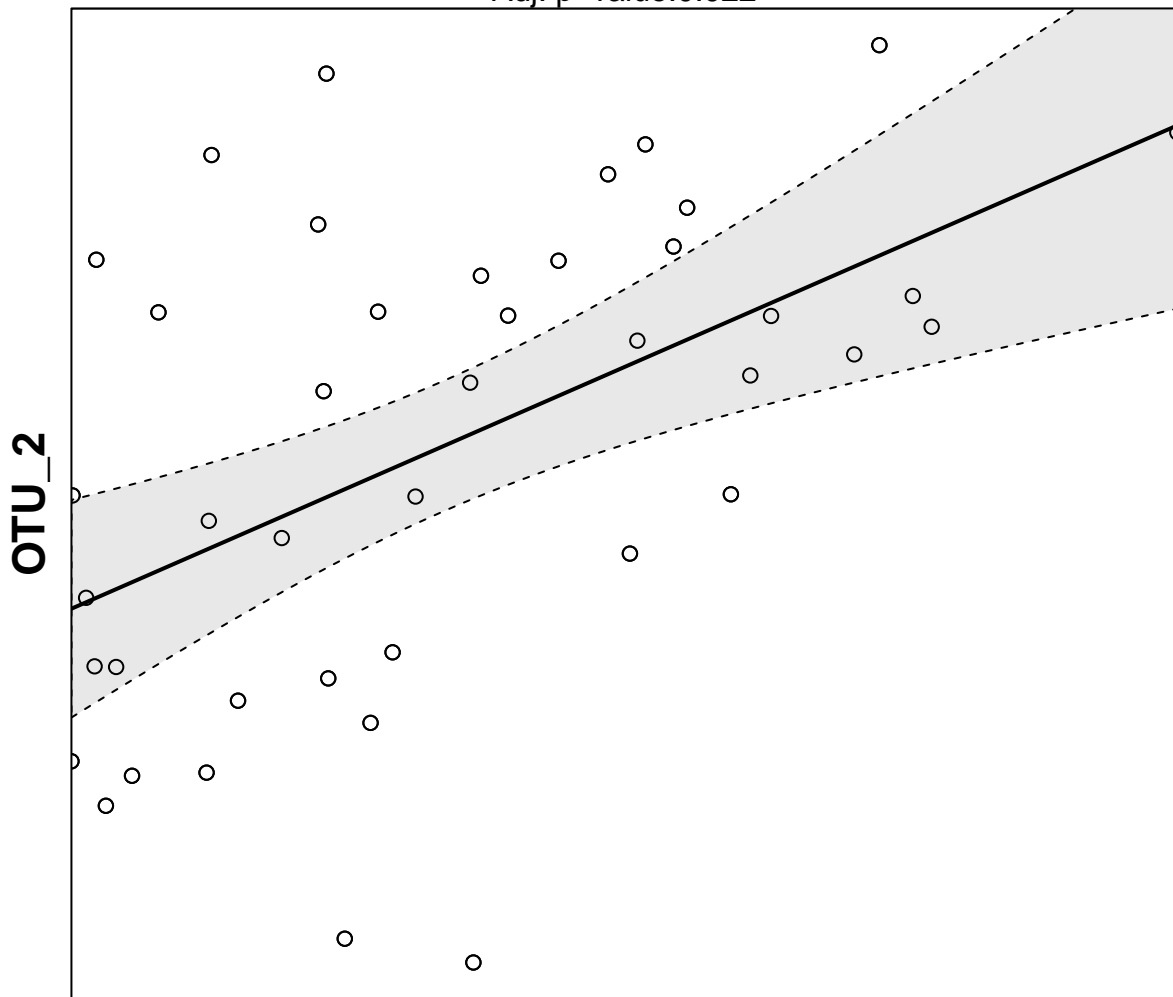P−value:0
Adj. p−value:5e−04

OTU_2

OTU_67

supported by 45 observations

Pearson's r:0.513
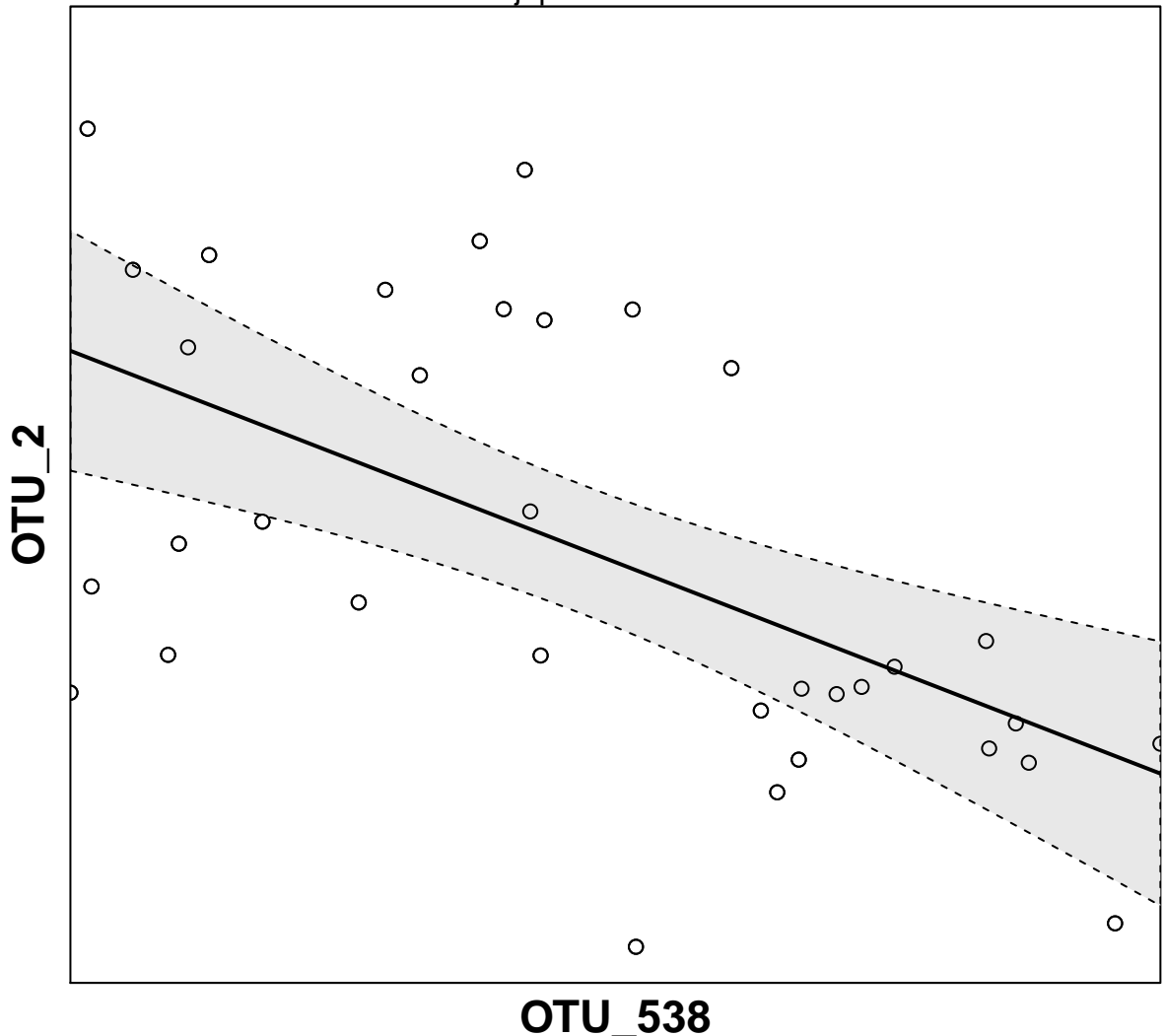P−value:5e−04
Adj. p−value:0.022

OTU_2

OTU_26

supported by 42 observations

Pearson's r:−0.5753
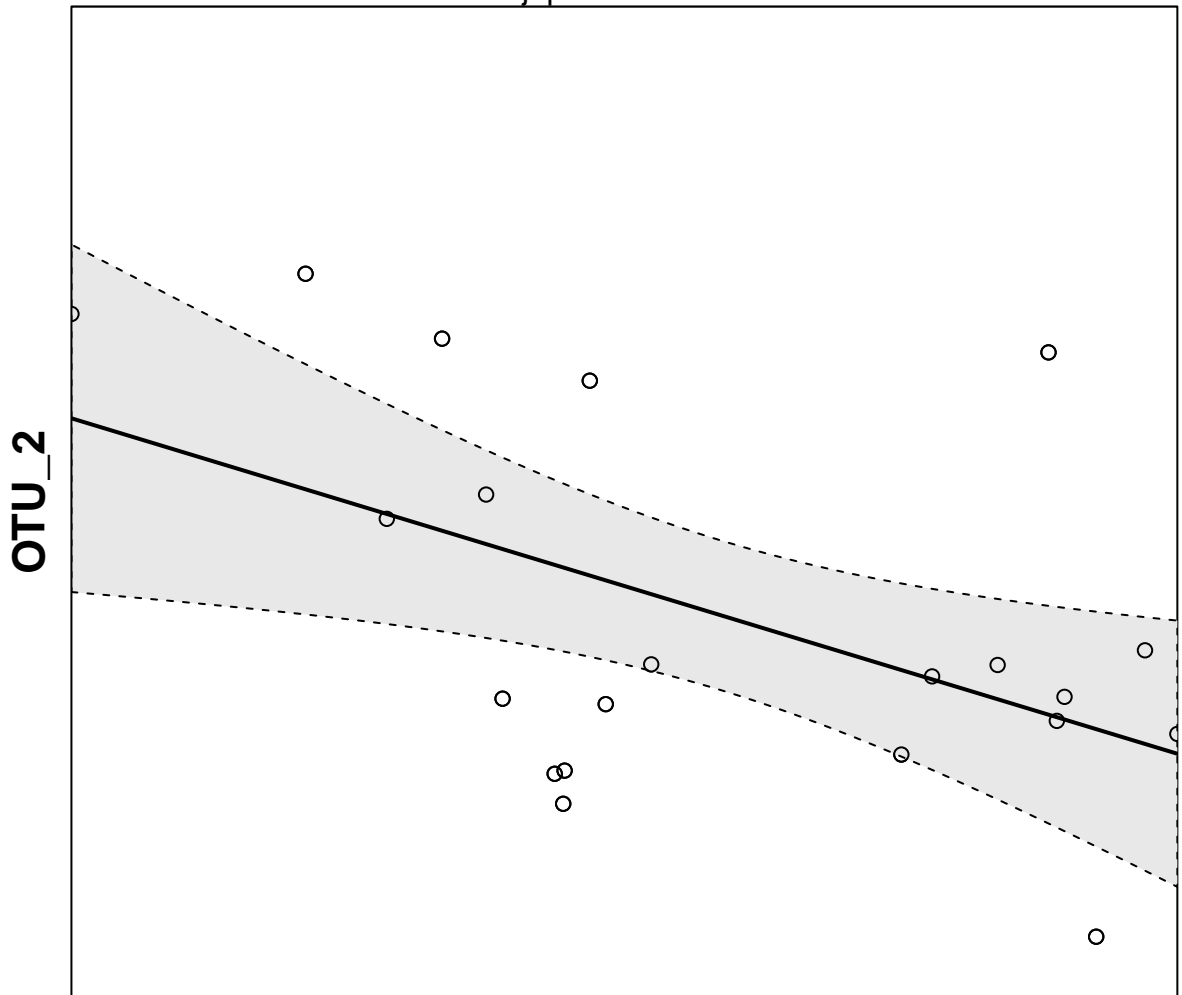P−value:4e−04
Adj. p−value:0.0192

OTU_2

OTU_538

supported by 34 observations

Pearson's r:−0.5167
P−value:0.0165
Adj. p−value:0.1637
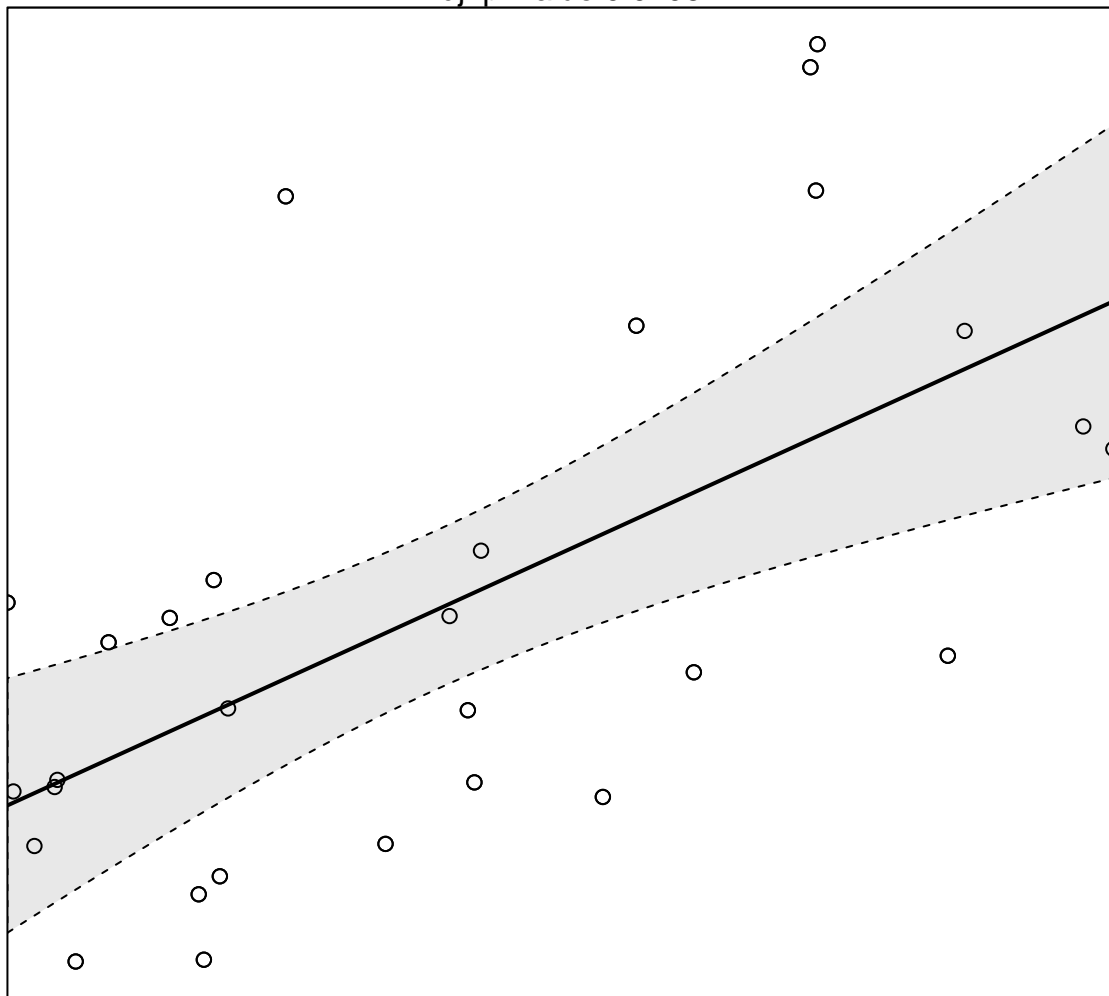
OTU_2

OTU_44

supported by 21 observations
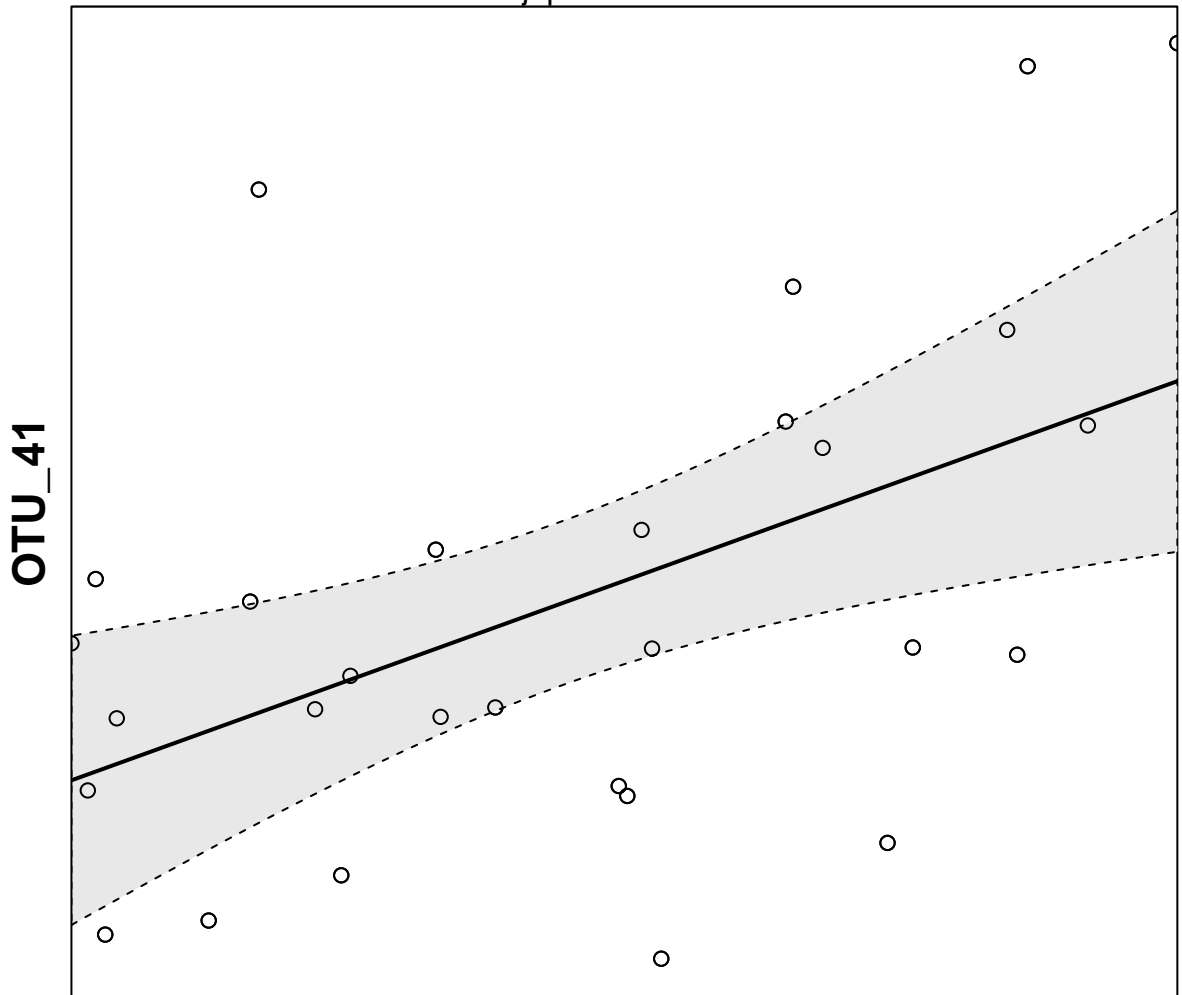
Pearson's r:0.6119
P−value:4e−04
Adj. p−value:0.0206

OTU_41

OTU_12

supported by 29 observations

Pearson's r:0.5059
P−value:0.0051
Adj. p−value:0.0841
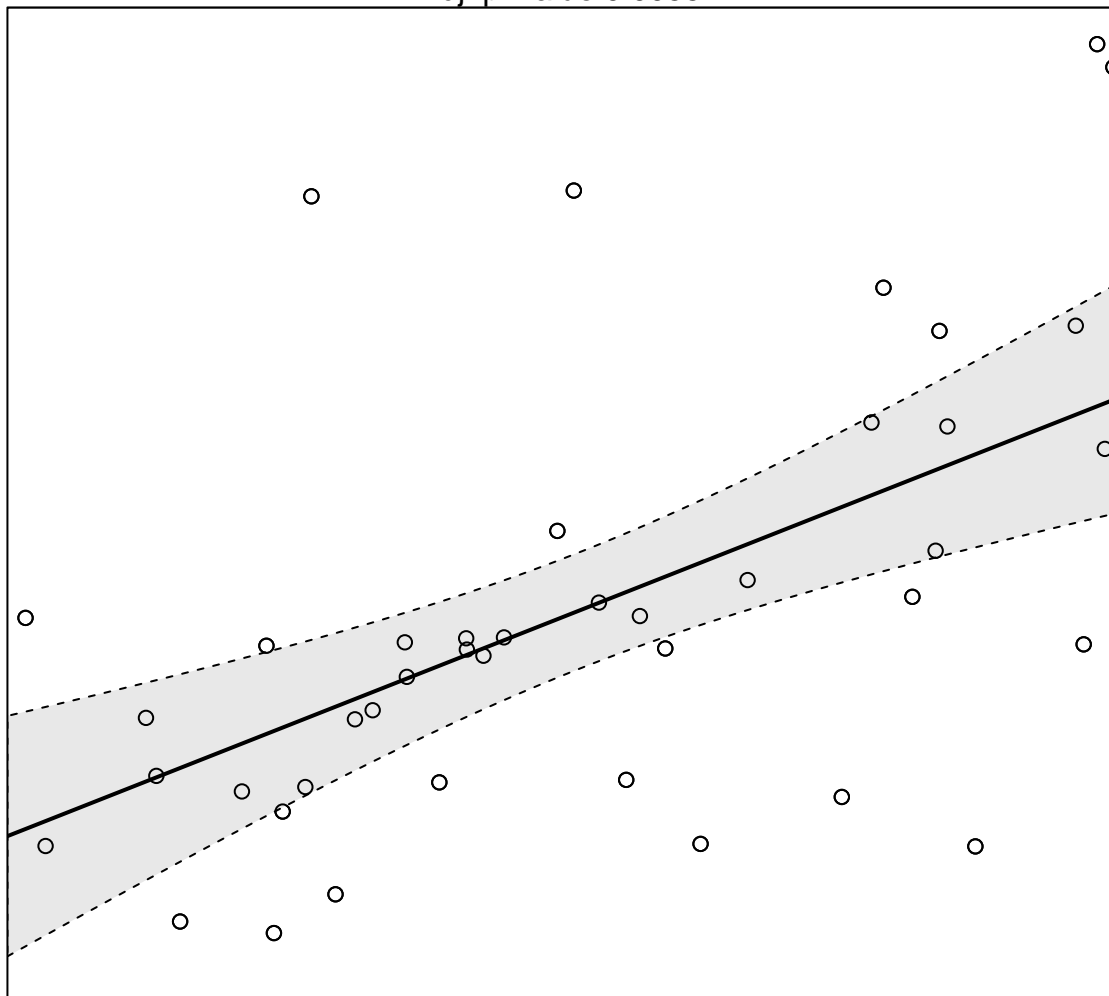
OTU_41

OTU_11

supported by 29 observations

Pearson's r:0.5658
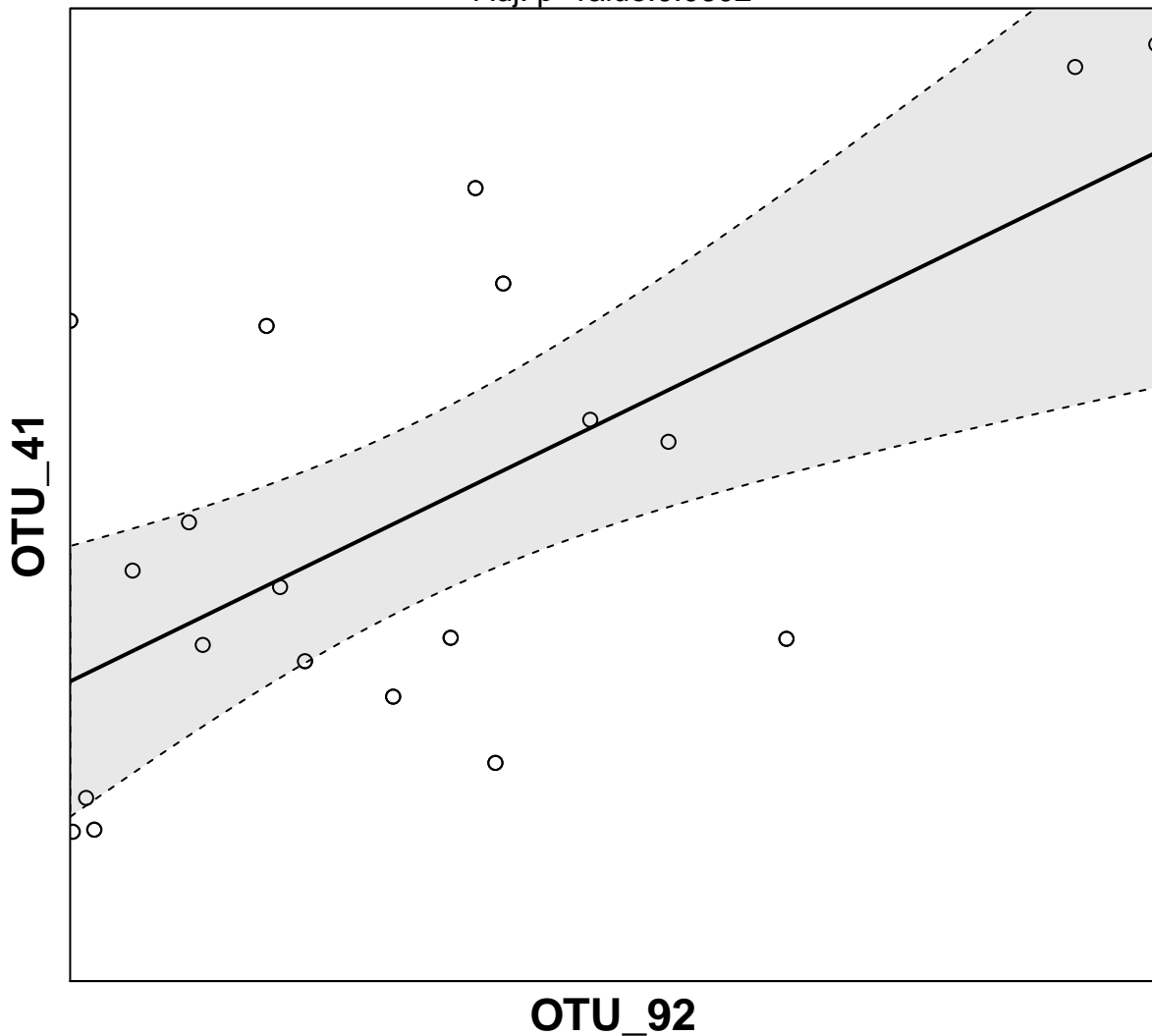P−value:1e−04
Adj. p−value:0.0055

OTU_41

OTU_18

supported by 42 observations

Pearson's r:0.6362
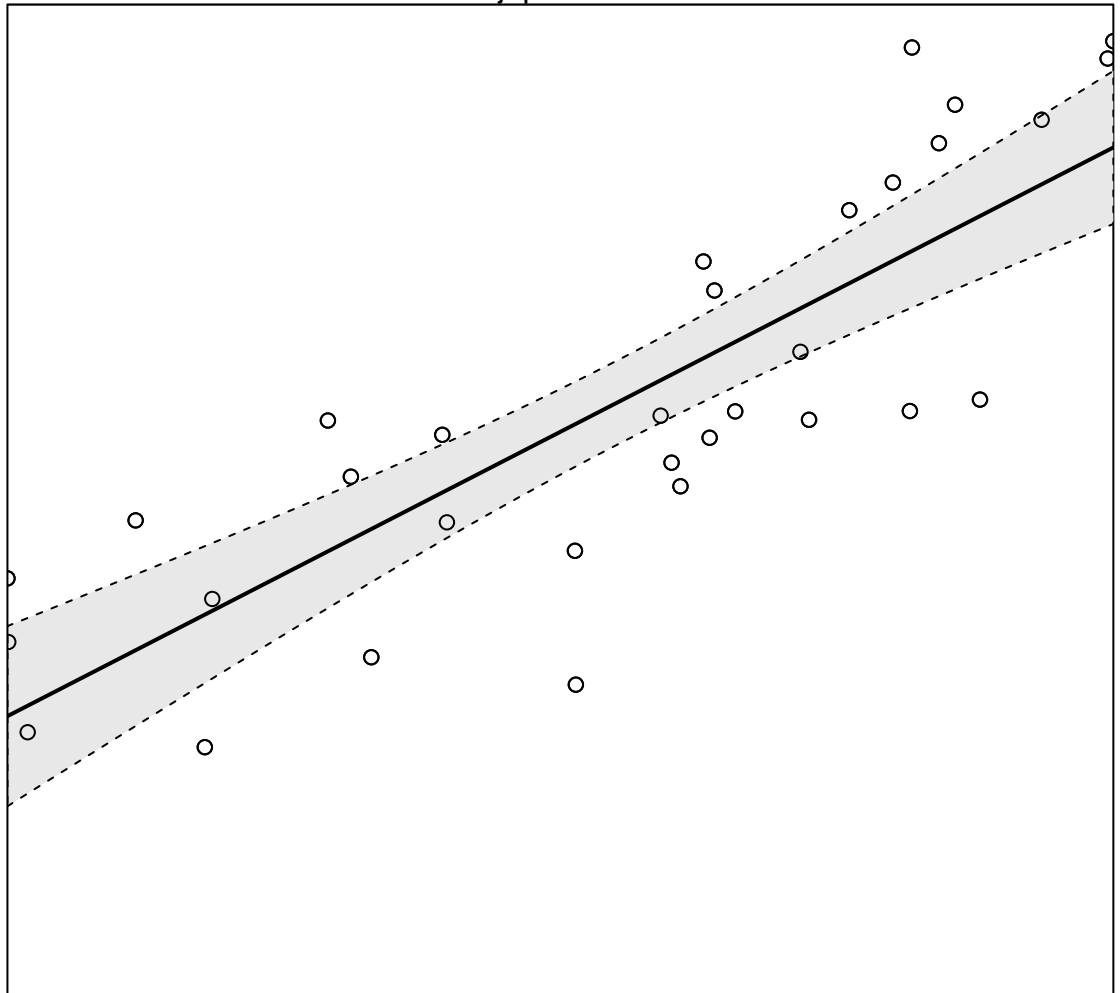P−value:0.0026
Adj. p−value:0.0602

OTU_41

OTU_92

supported by 20 observations
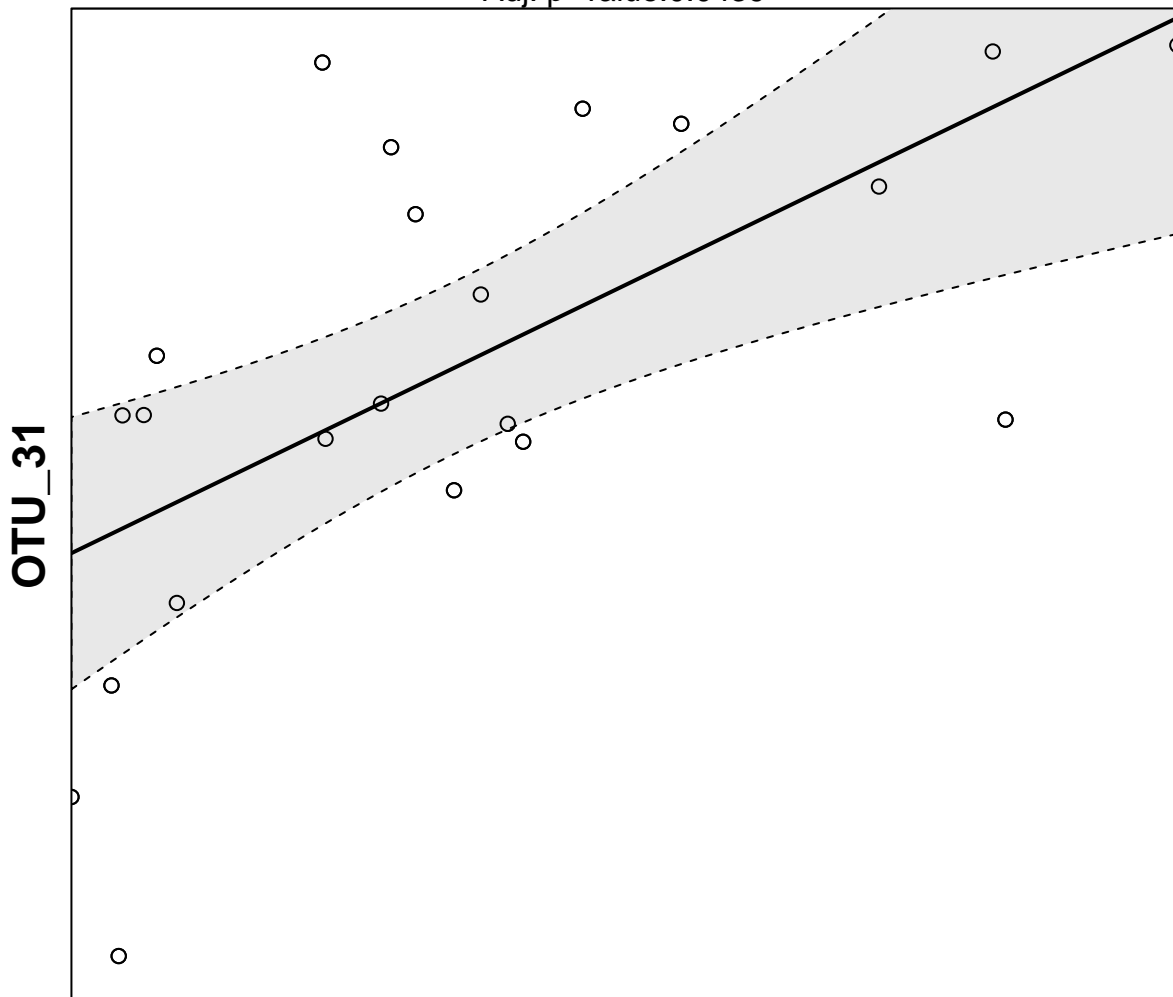
Pearson's r:0.8282
P−value:0
Adj. p−value:0

OTU_31

OTU_39

supported by 32 observations

Pearson's r:0.6353
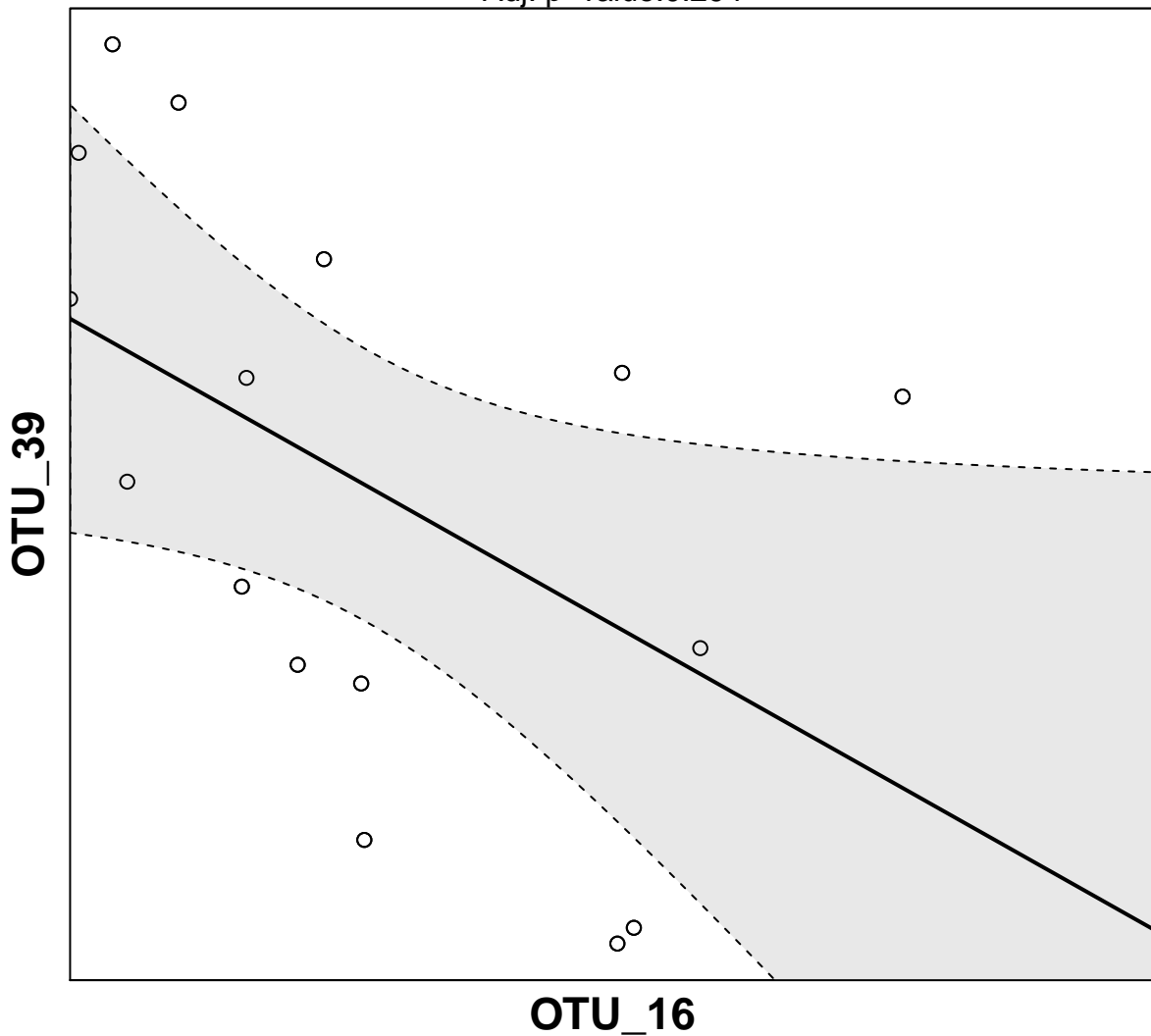P−value:0.0015
Adj. p−value:0.0439

OTU_31
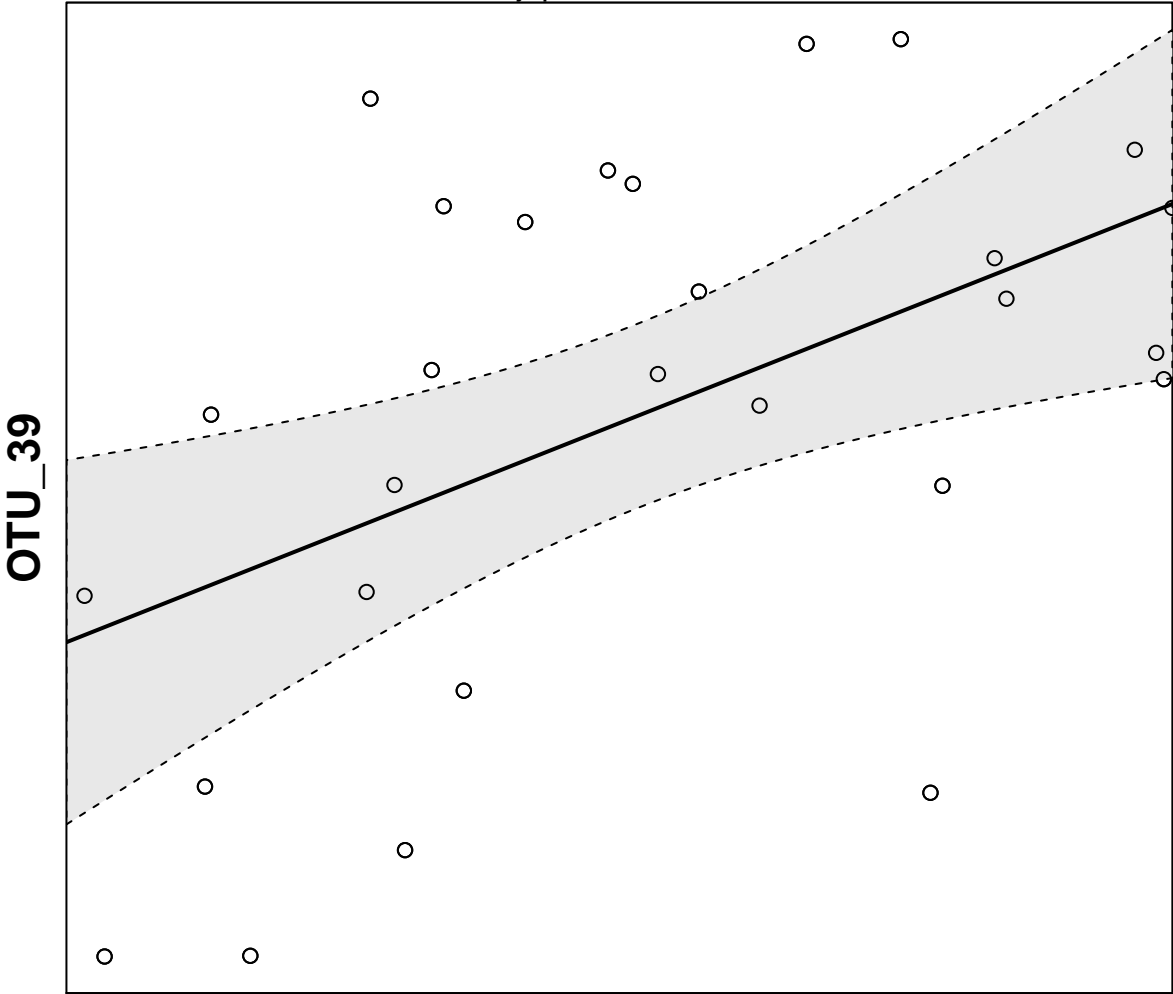
OTU_54

supported by 22 observations

Pearson's r:−0.503
P−value:0.047
Adj. p−value:0.294

OTU_39
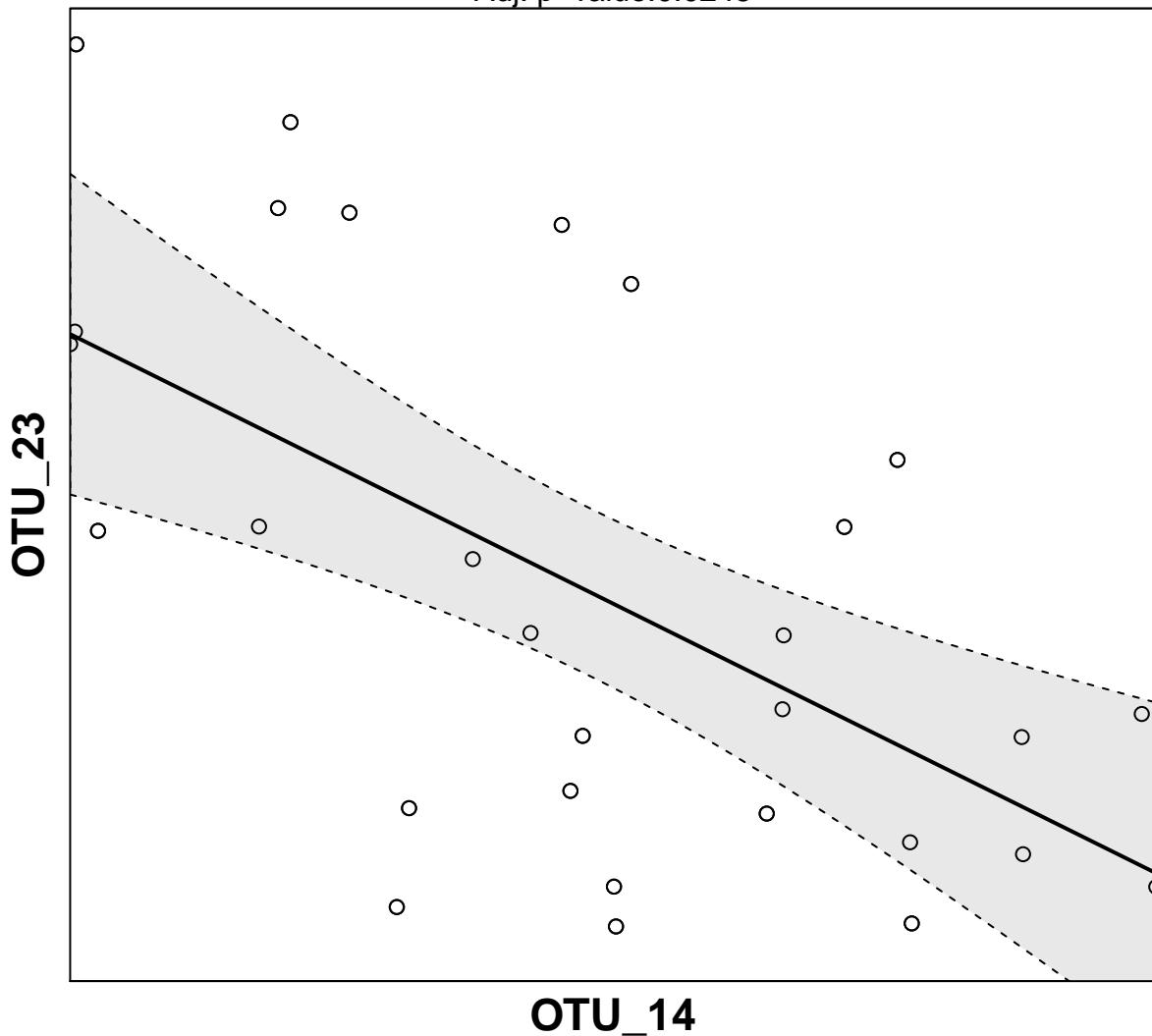
OTU_16

supported by 16 observations

Pearson's r:0.5014
P−value:0.0066
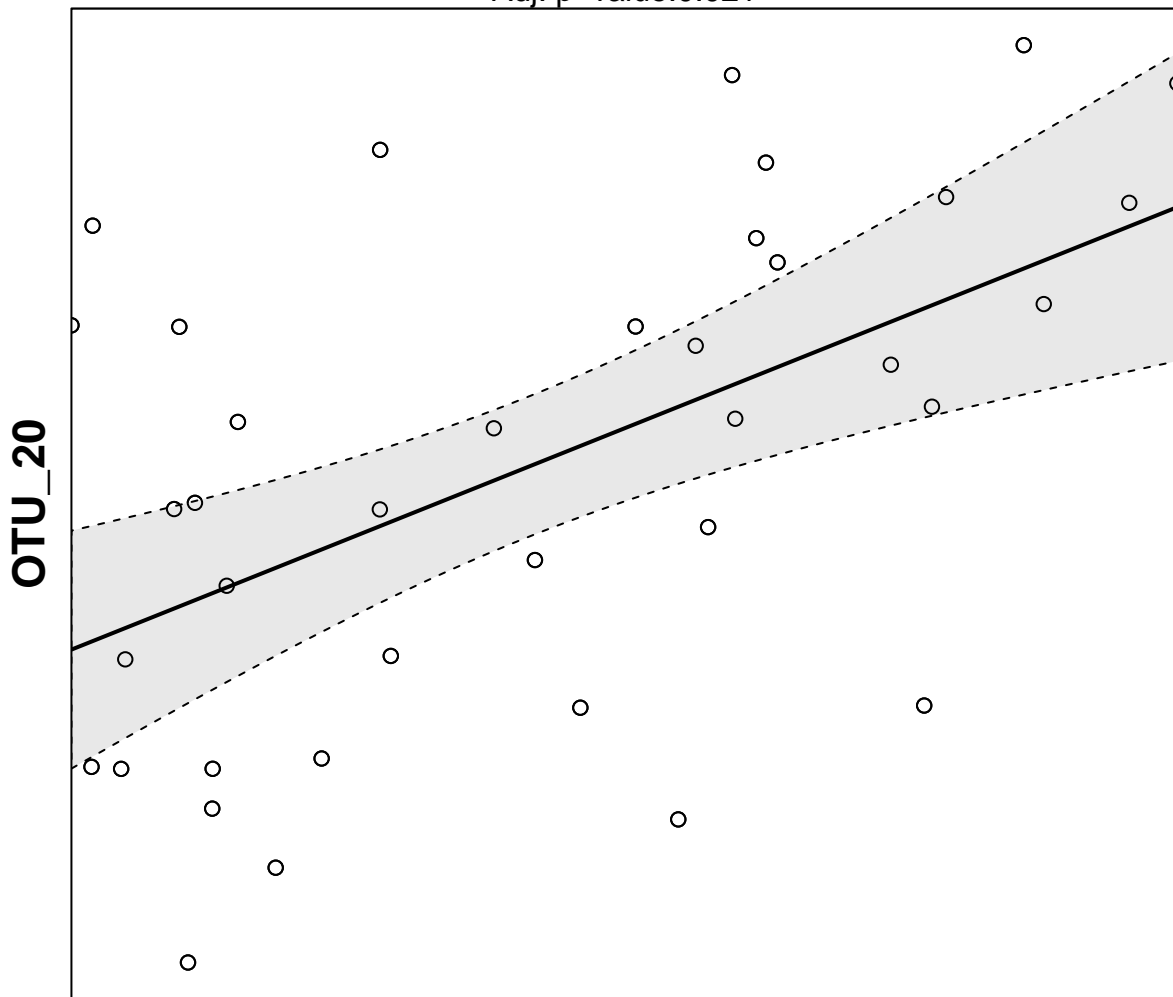Adj. p−value:0.0948

OTU_39

OTU_18

supported by 28 observations

Pearson's r:−0.598
P−value:6e−04
Adj. p−value:0.0245

OTU_23

OTU_14

supported by 29 observations

Pearson's r:0.54
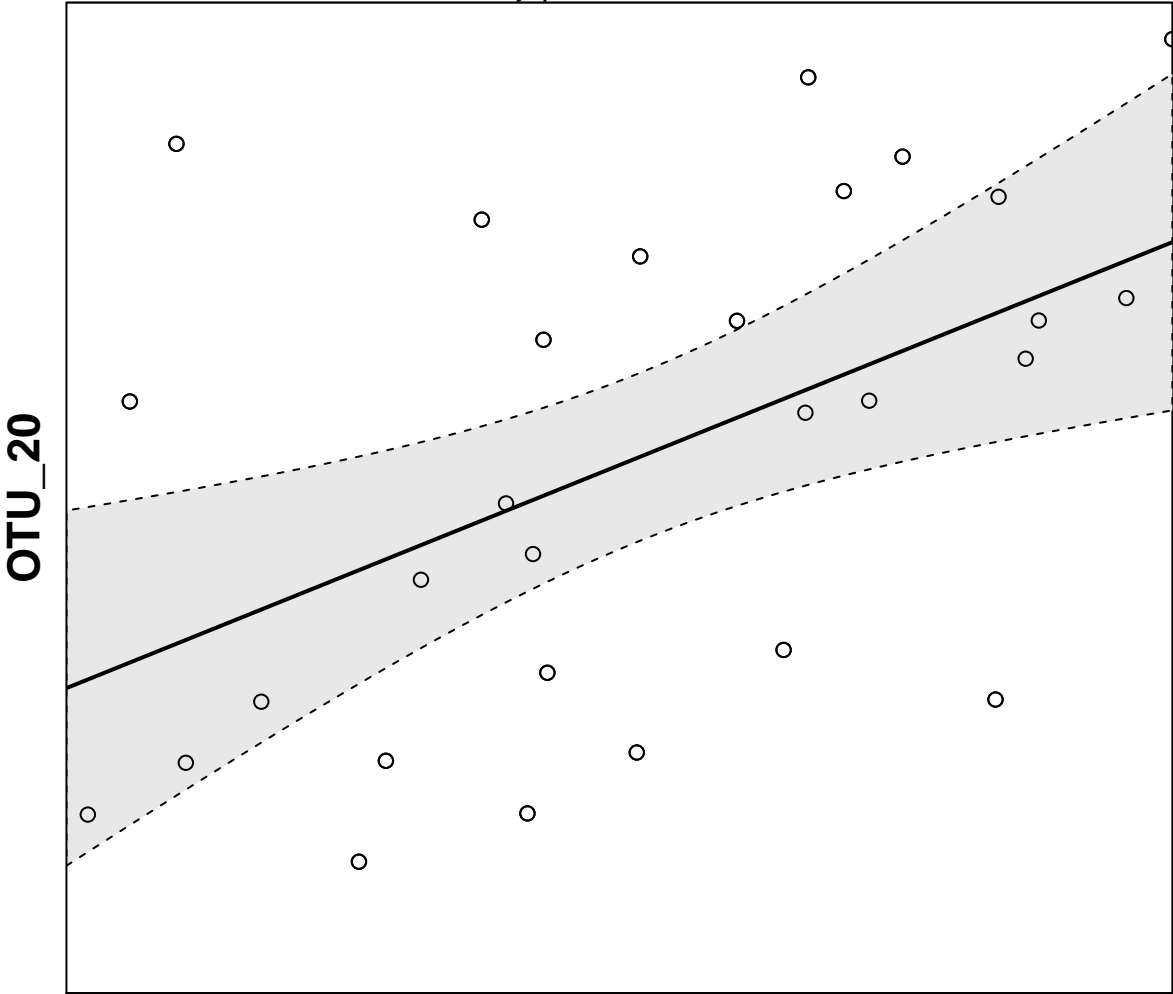P-value:5e-04
Adj. p-value:0.021

OTU_20

OTU_67

supported by 38 observations
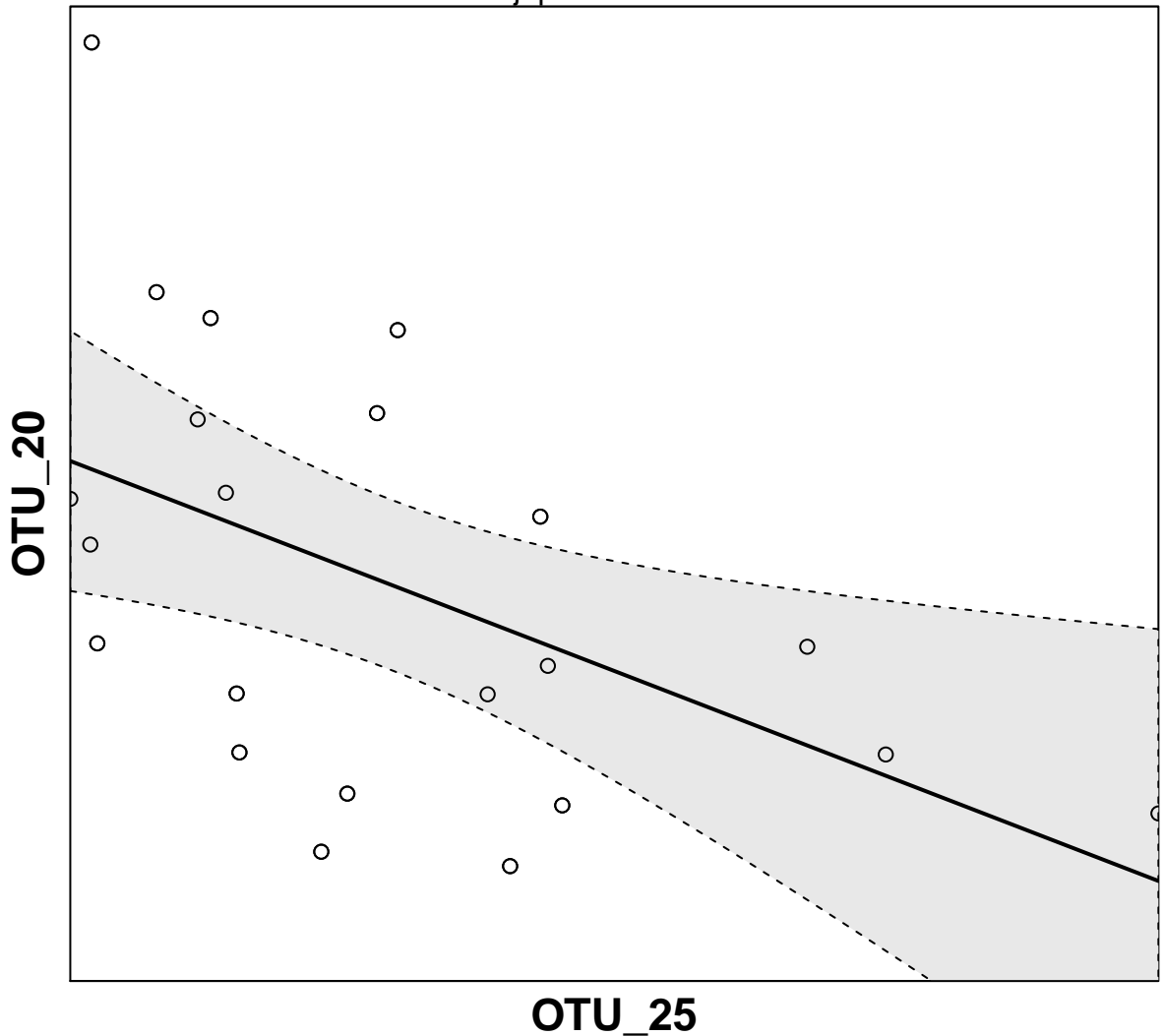
Pearson's r:0.5034
P−value:0.0054
Adj. p−value:0.0841

OTU_20

OTU_538

supported by 29 observations

Pearson's r:−0.5045
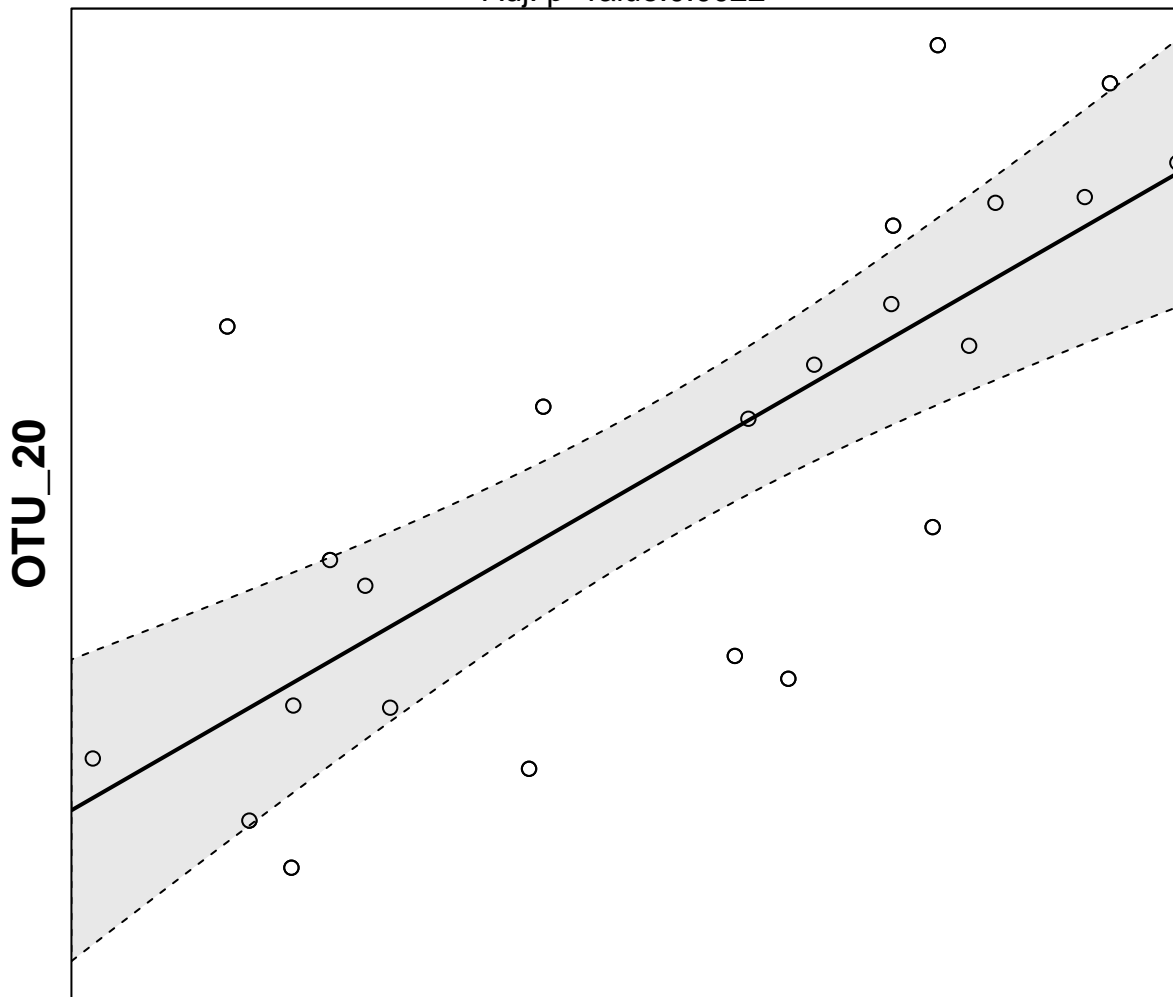P−value:0.0166
Adj. p−value:0.1637

OTU_20

OTU_25

supported by 22 observations

Pearson's r:0.7624
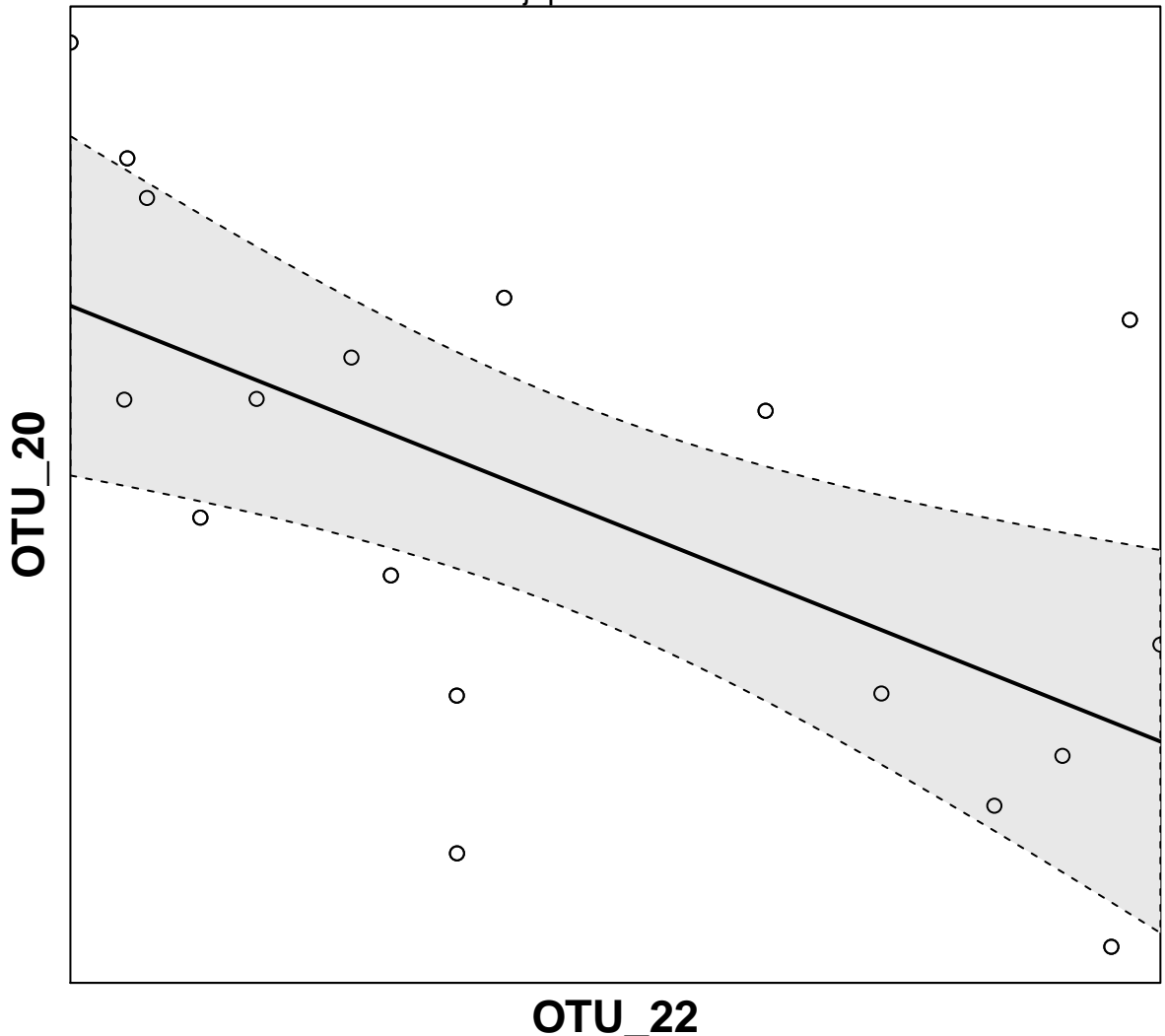P−value:0
Adj. p−value:0.0022

OTU_20

OTU_34

supported by 23 observations

Pearson's r:−0.6171
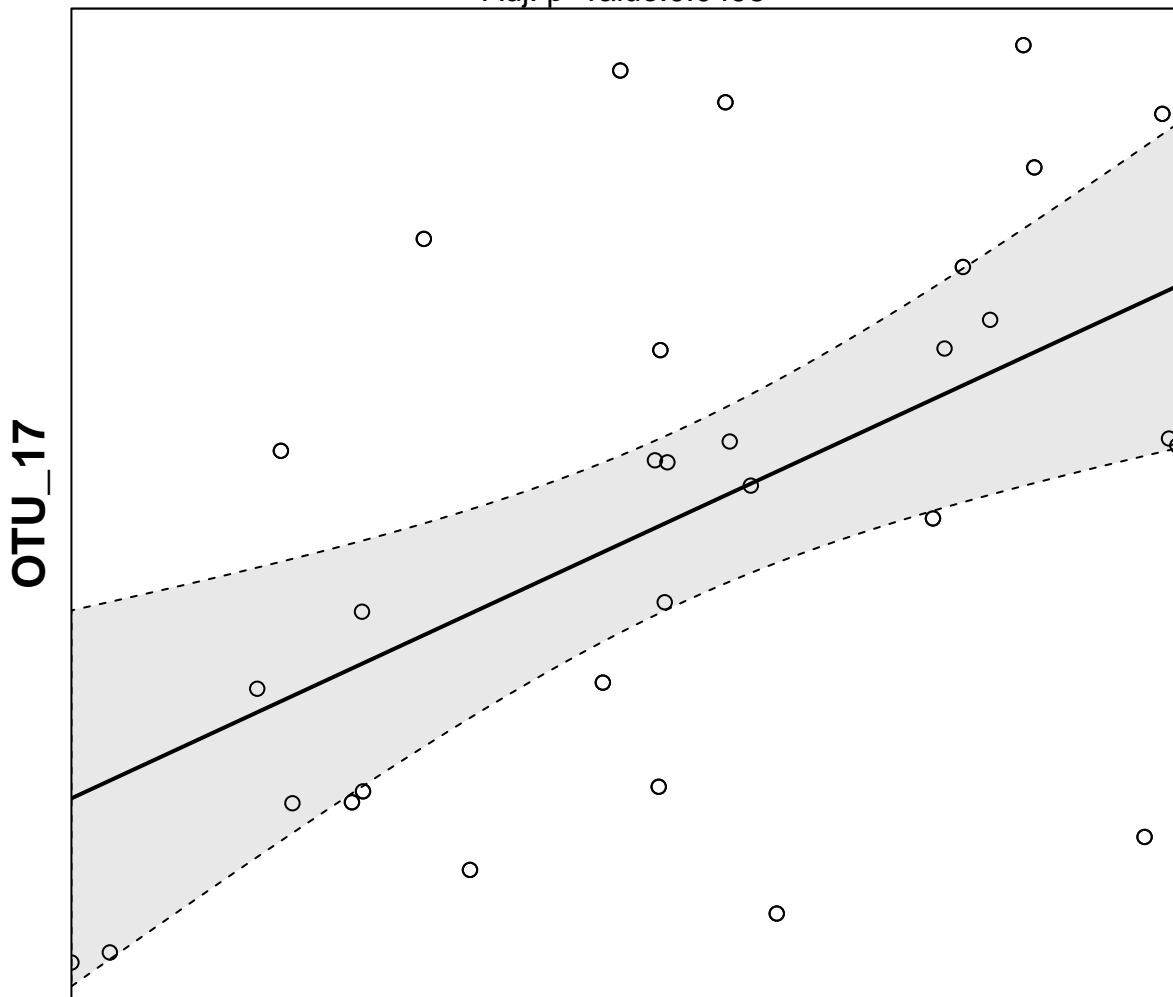P−value:0.0064
Adj. p−value:0.094

OTU_20

OTU_22

supported by 18 observations

Pearson's r:0.5398
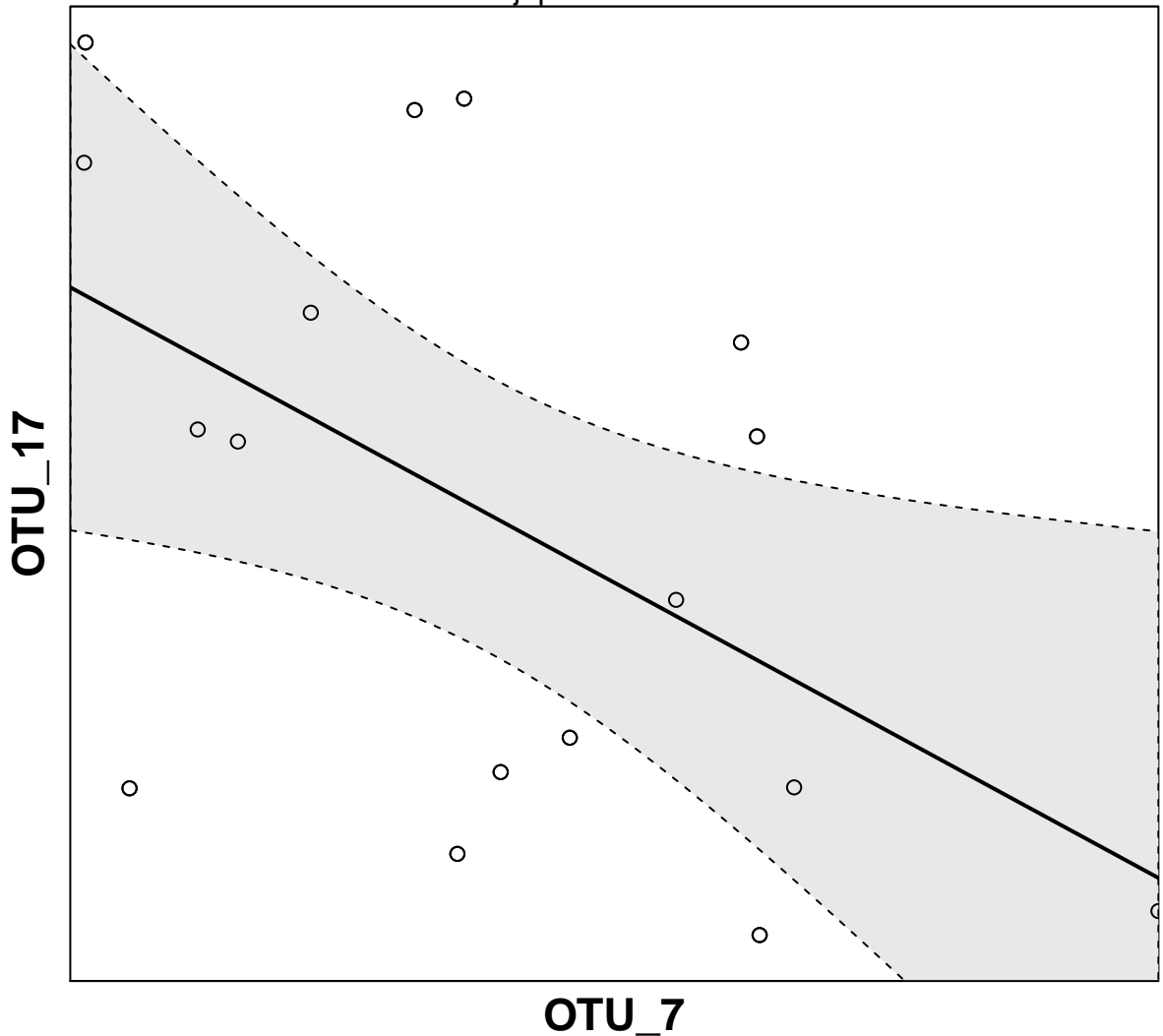P−value:0.0017
Adj. p−value:0.0498

OTU_17
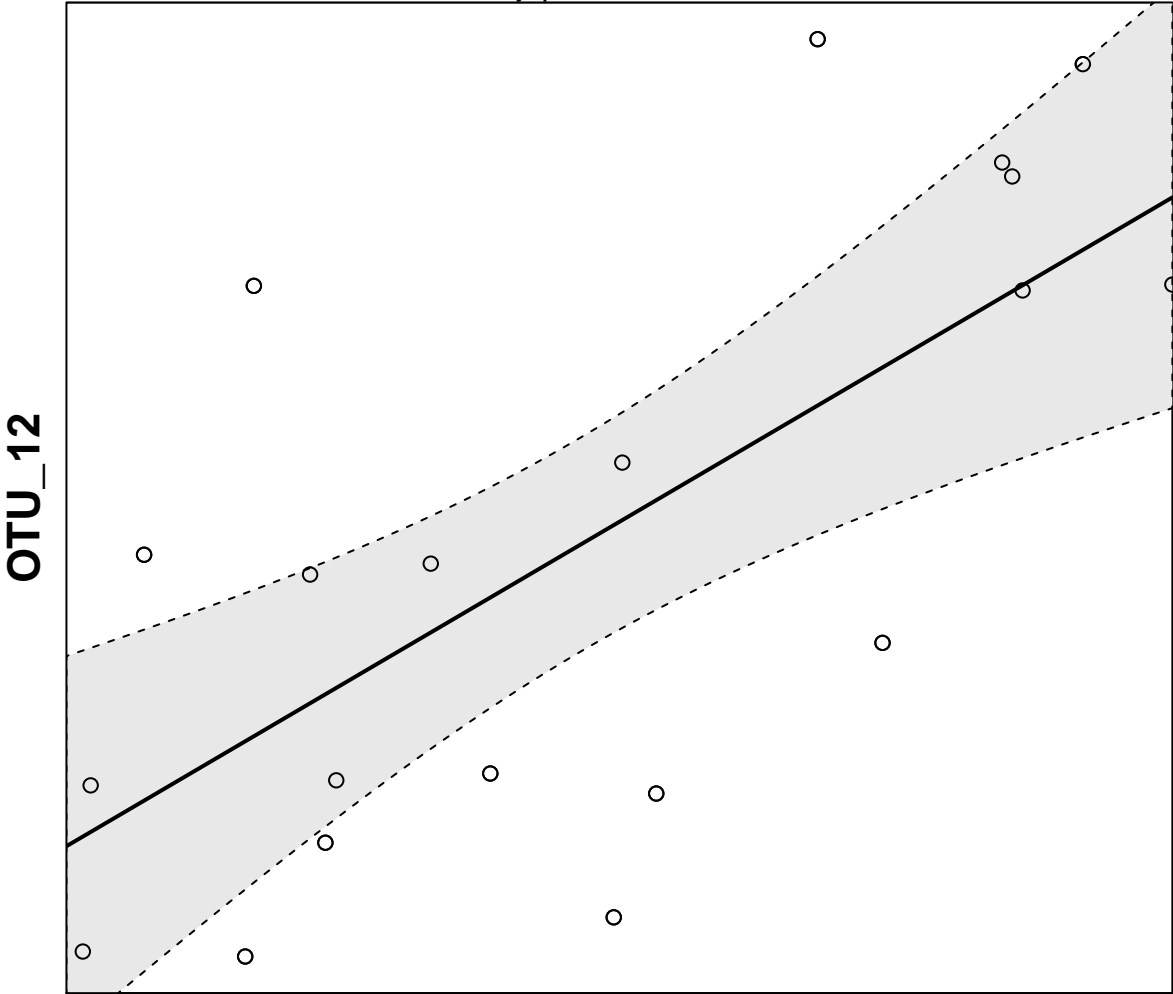
OTU_43

supported by 31 observations

Pearson's r:−0.5318
P−value:0.028
Adj. p−value:0.2184

OTU_17

OTU_7

supported by 17 observations

Pearson's r:0.6882
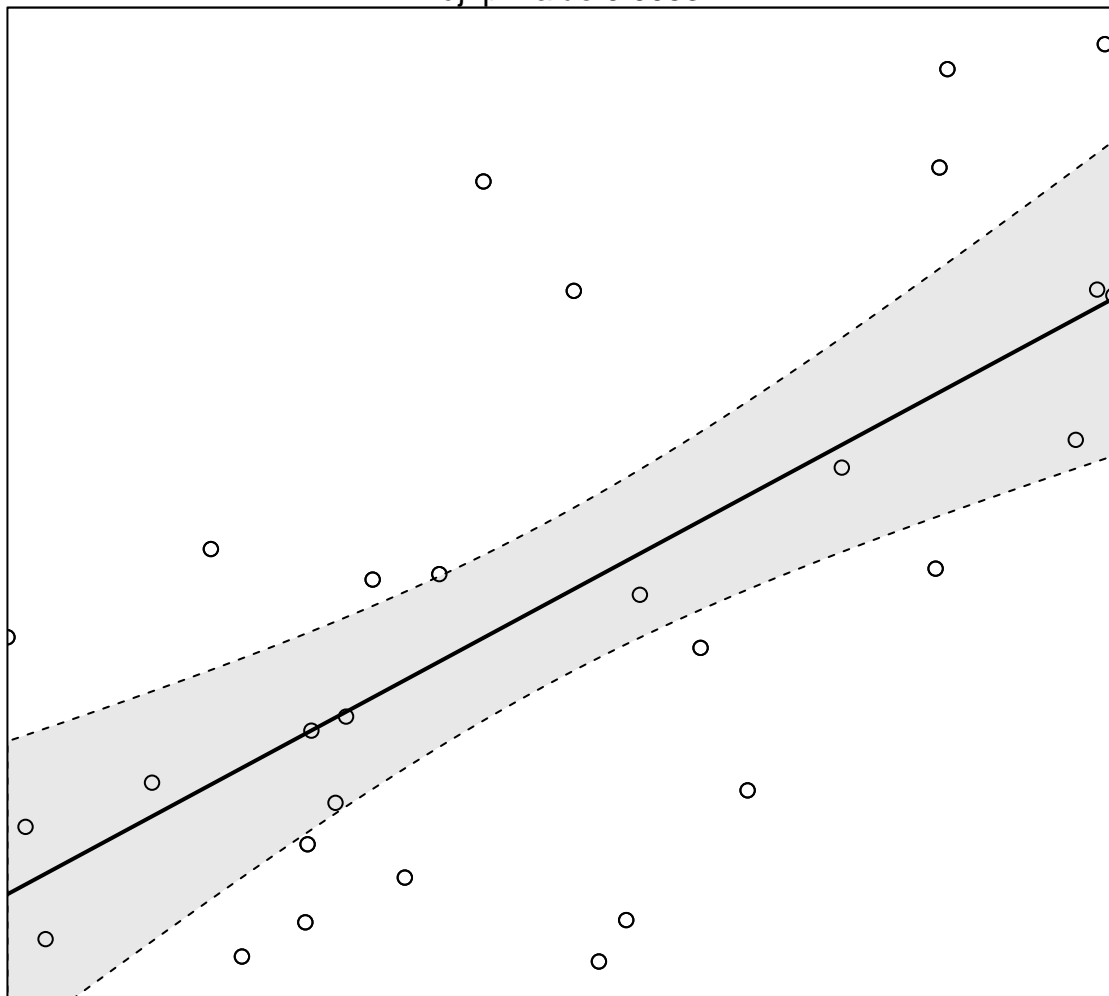P−value:8e−04
Adj. p−value:0.0295

OTU_12

OTU_11

supported by 20 observations

Pearson's r:0.6647
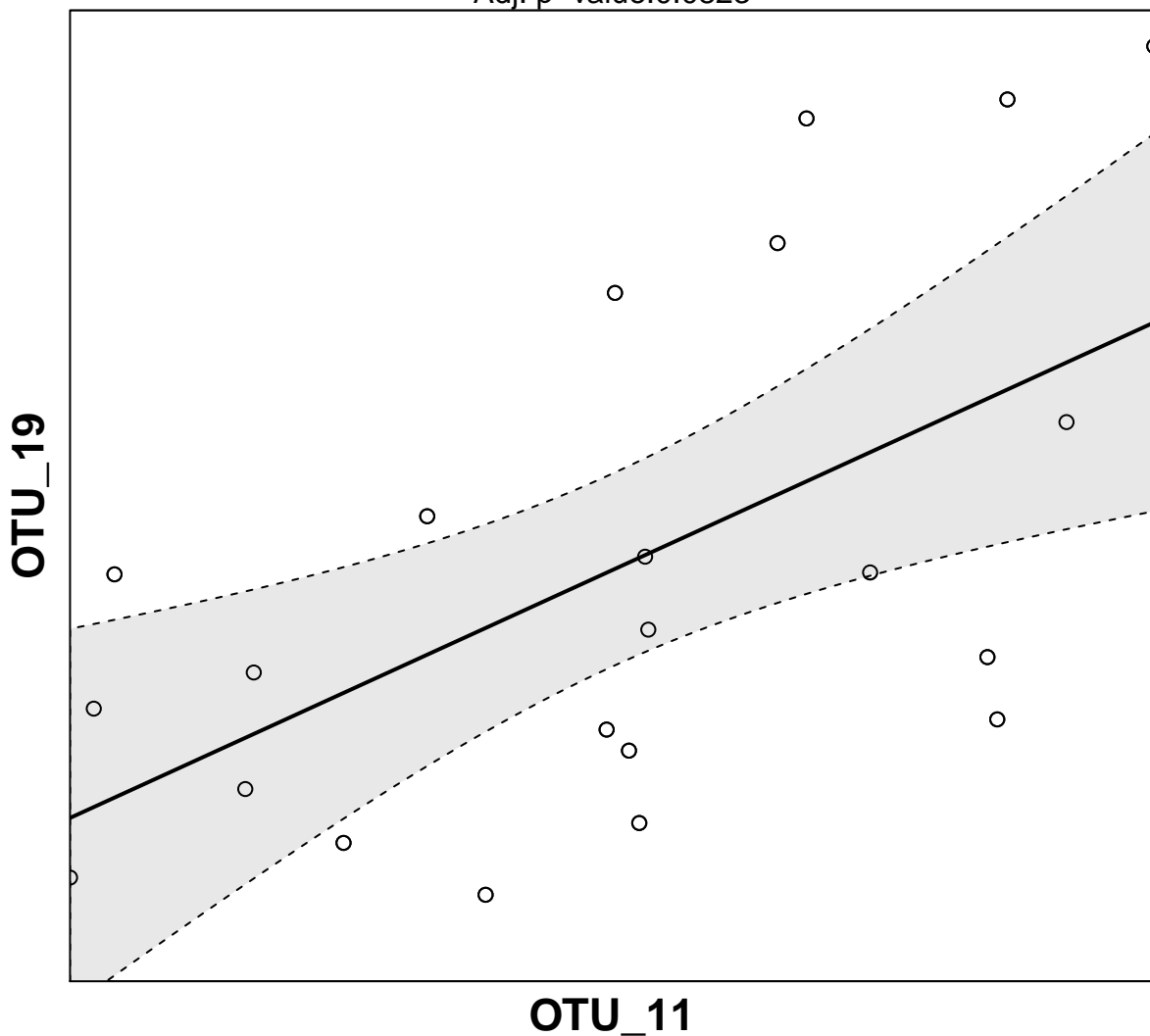P−value:1e−04
Adj. p−value:0.0053

OTU_12

OTU_18

supported by 29 observations

Pearson's r:0.5795
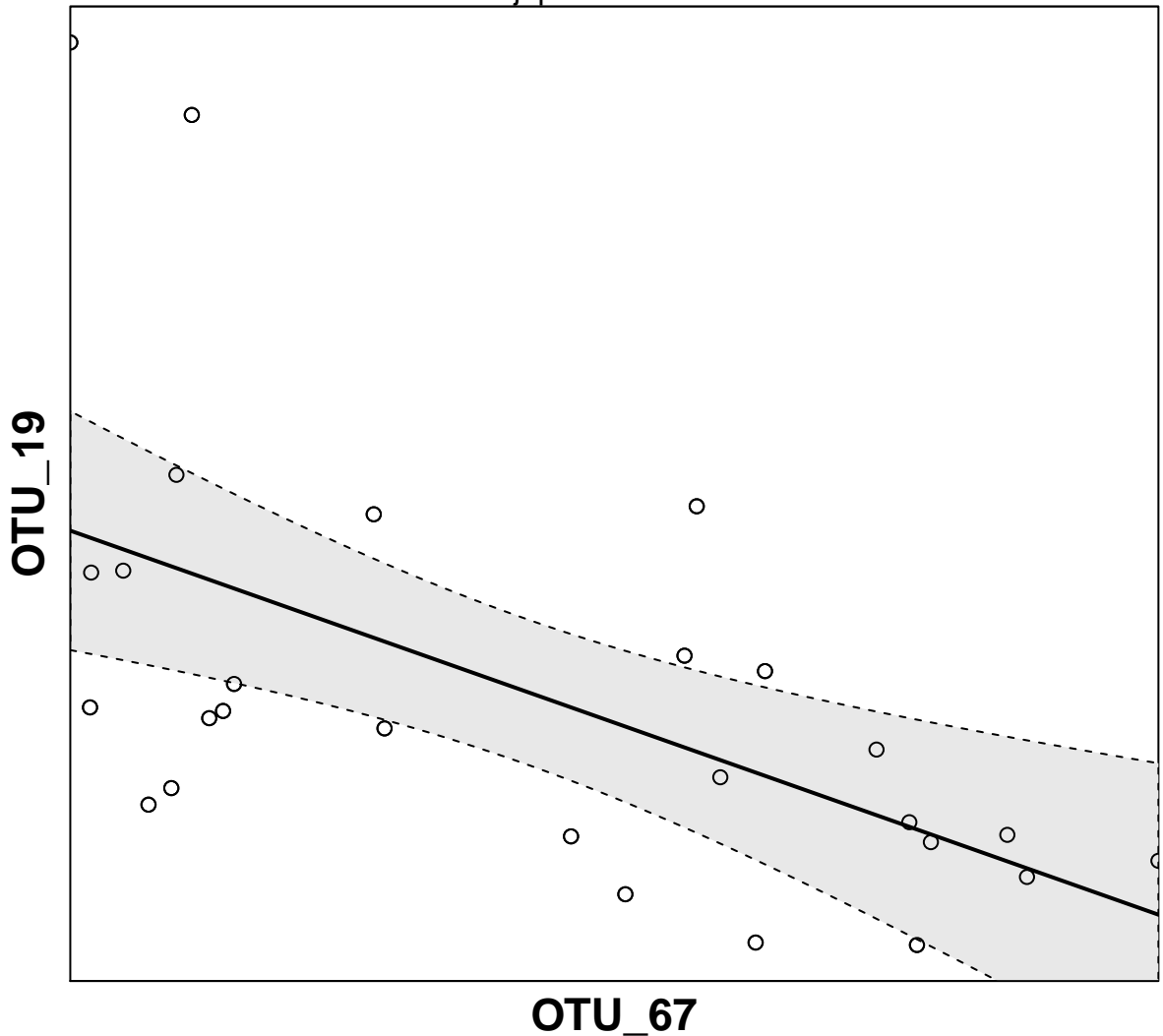P−value:0.0047
Adj. p−value:0.0823

OTU_19

OTU_11

supported by 22 observations

Pearson's r:−0.5706
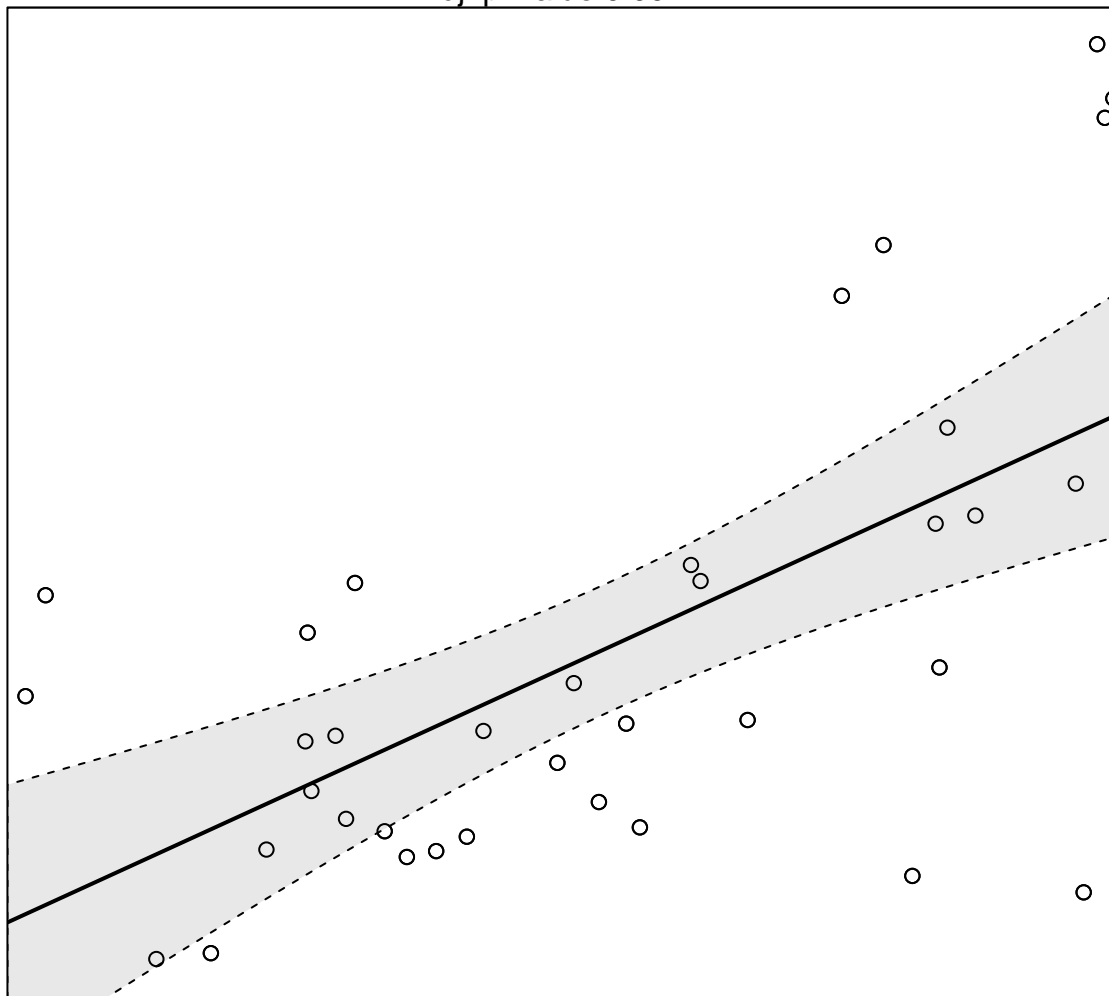P−value:0.0019
Adj. p−value:0.0516

OTU_19

OTU_67

supported by 27 observations

Pearson's r:0.6187
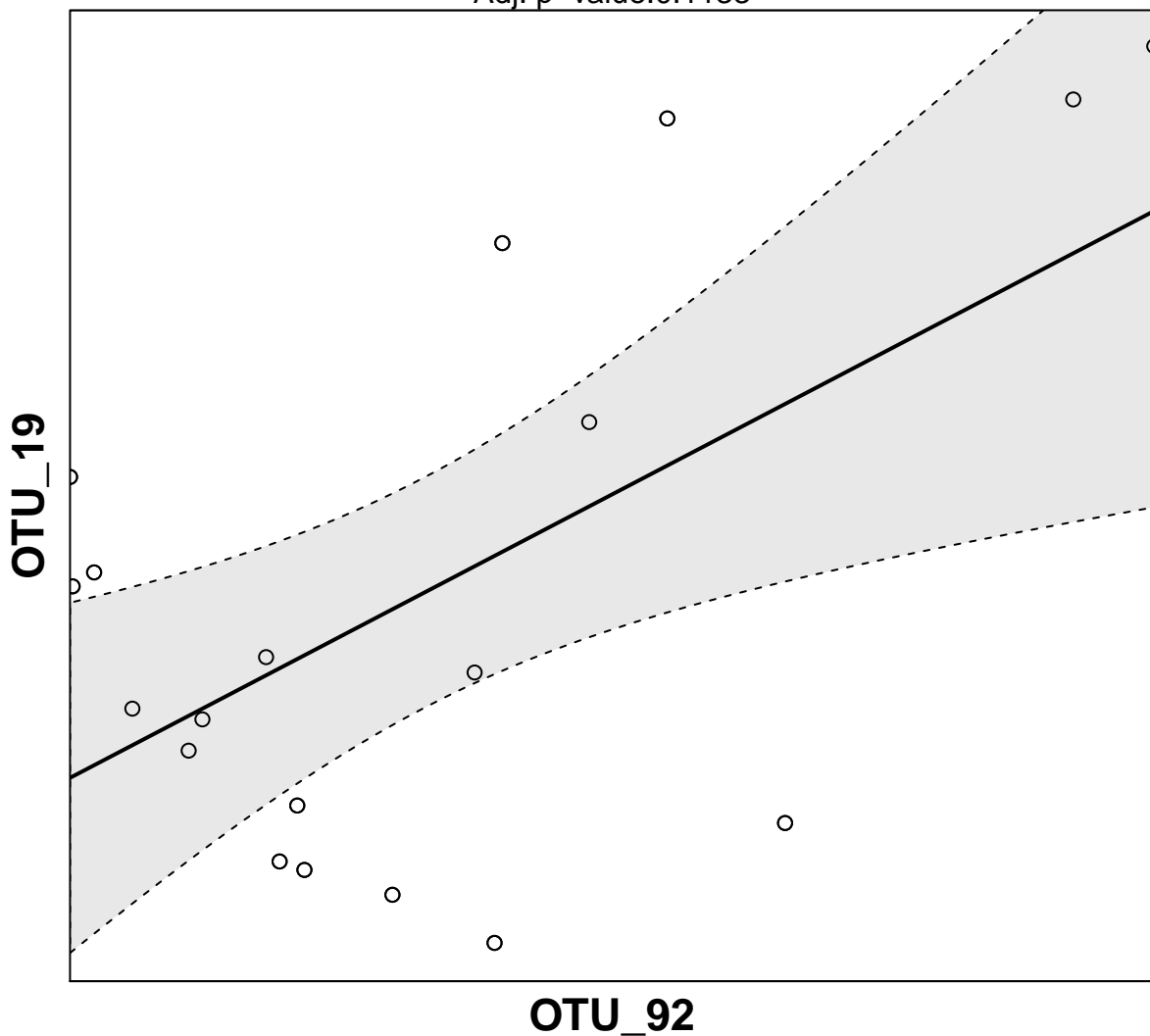P−value:1e−04
Adj. p−value:0.0042

OTU_19

OTU_18

supported by 36 observations

Pearson's r:0.5825
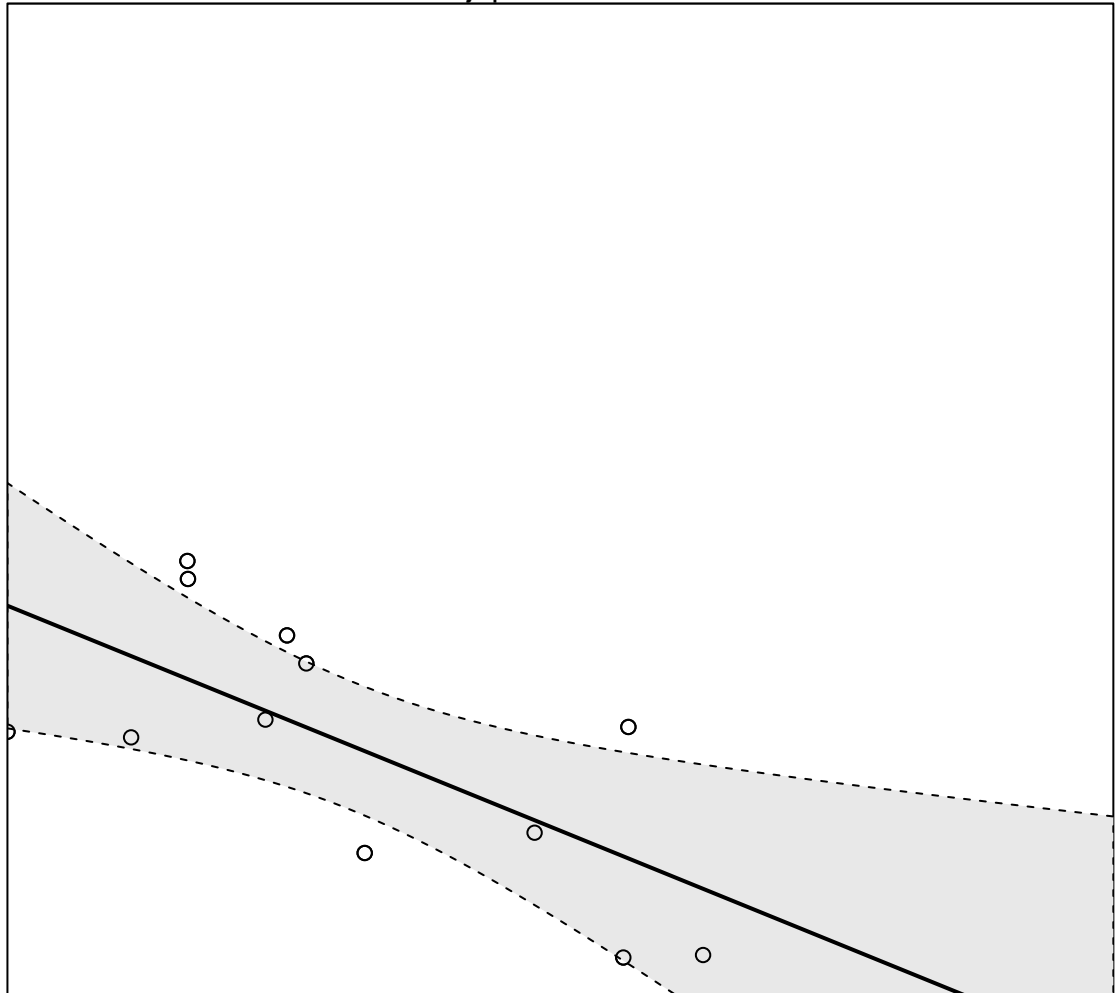P−value:0.0089
Adj. p−value:0.1133

OTU_19

OTU_92

supported by 19 observations

Pearson's r:−0.6876
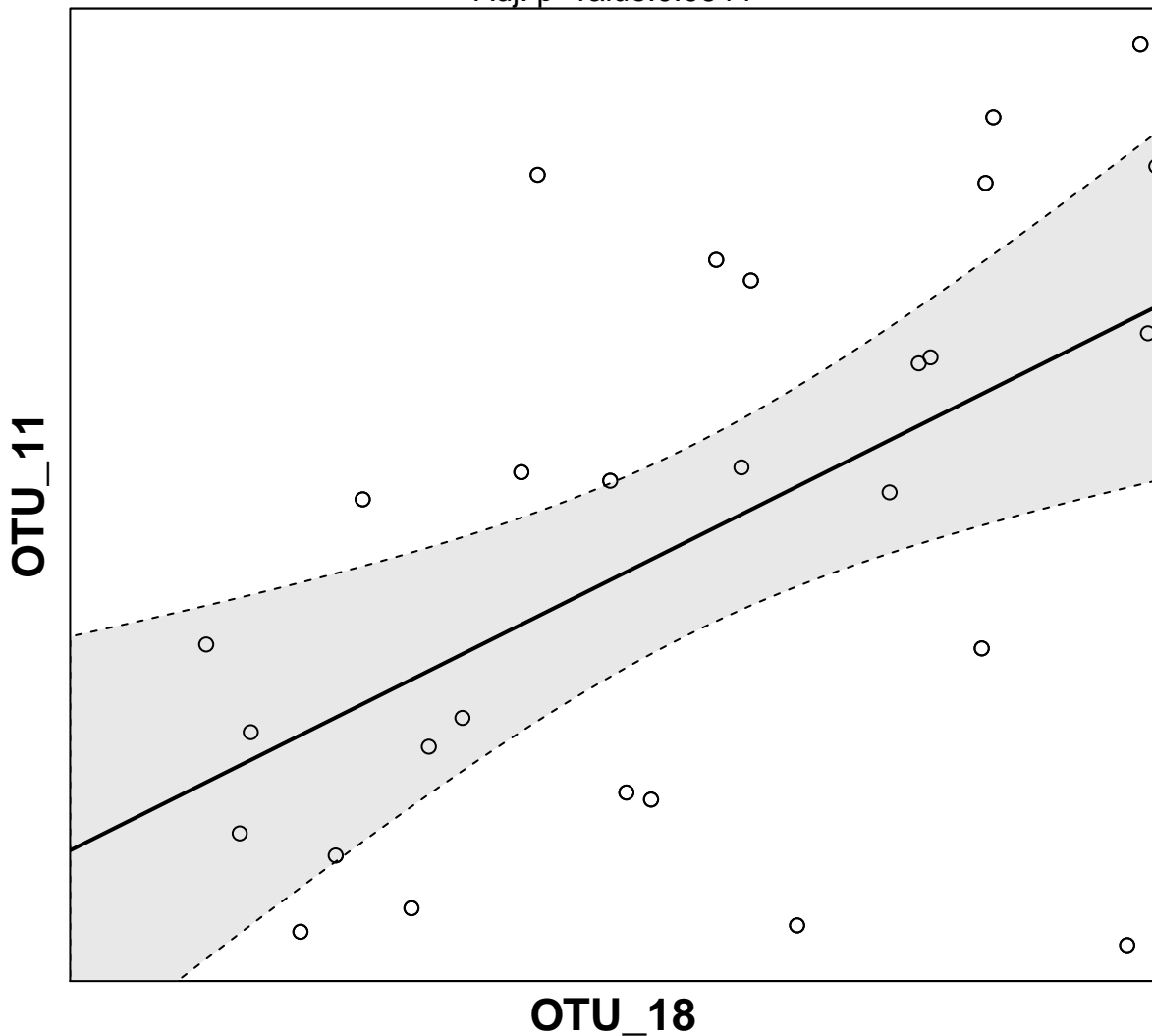P−value:0.0135
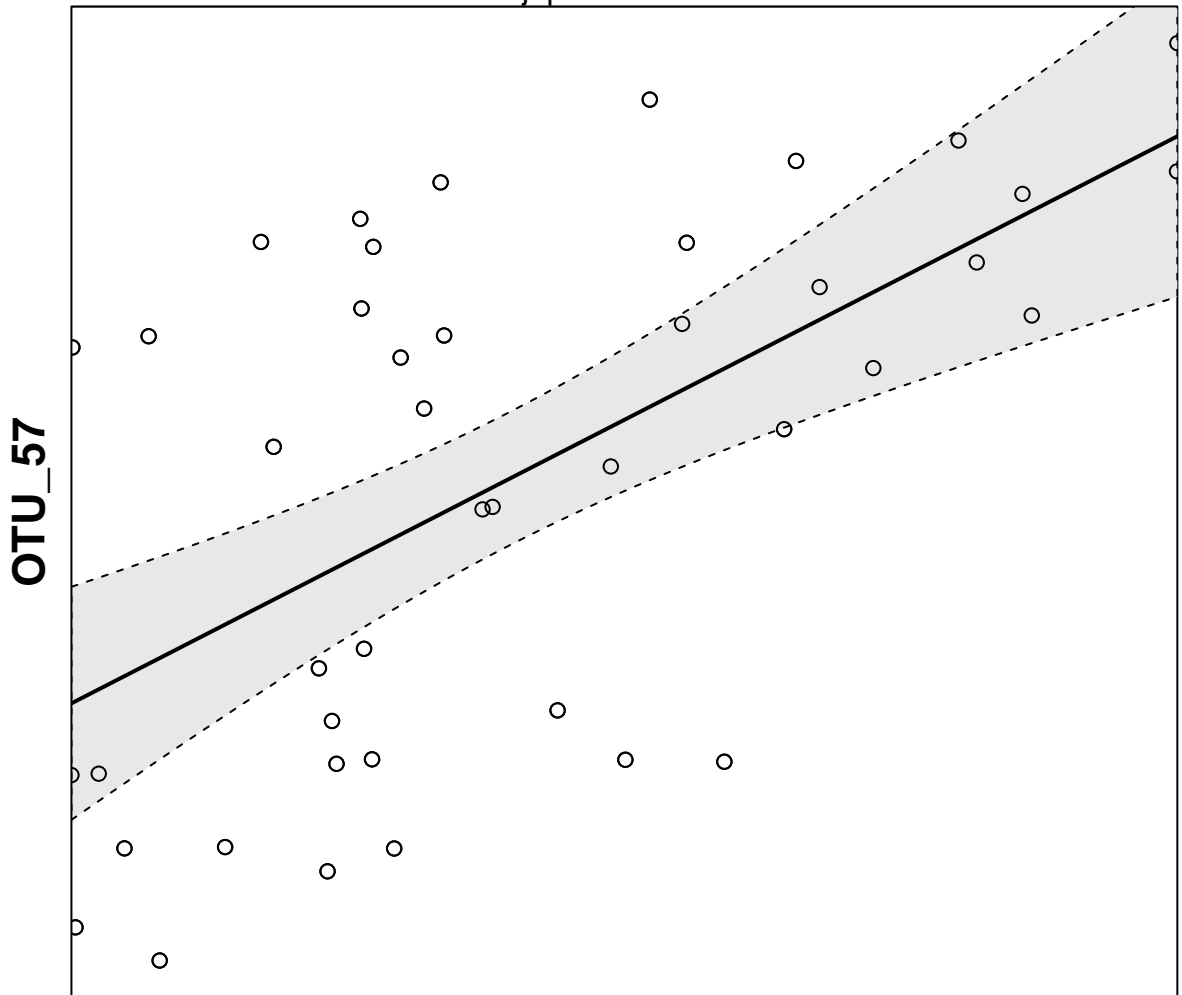Adj. p−value:0.147

OTU_19

OTU_36

supported by 12 observations

Pearson's r:0.5432
P−value:0.0028
Adj. p−value:0.0644

OTU_11

OTU_18

supported by 28 observations
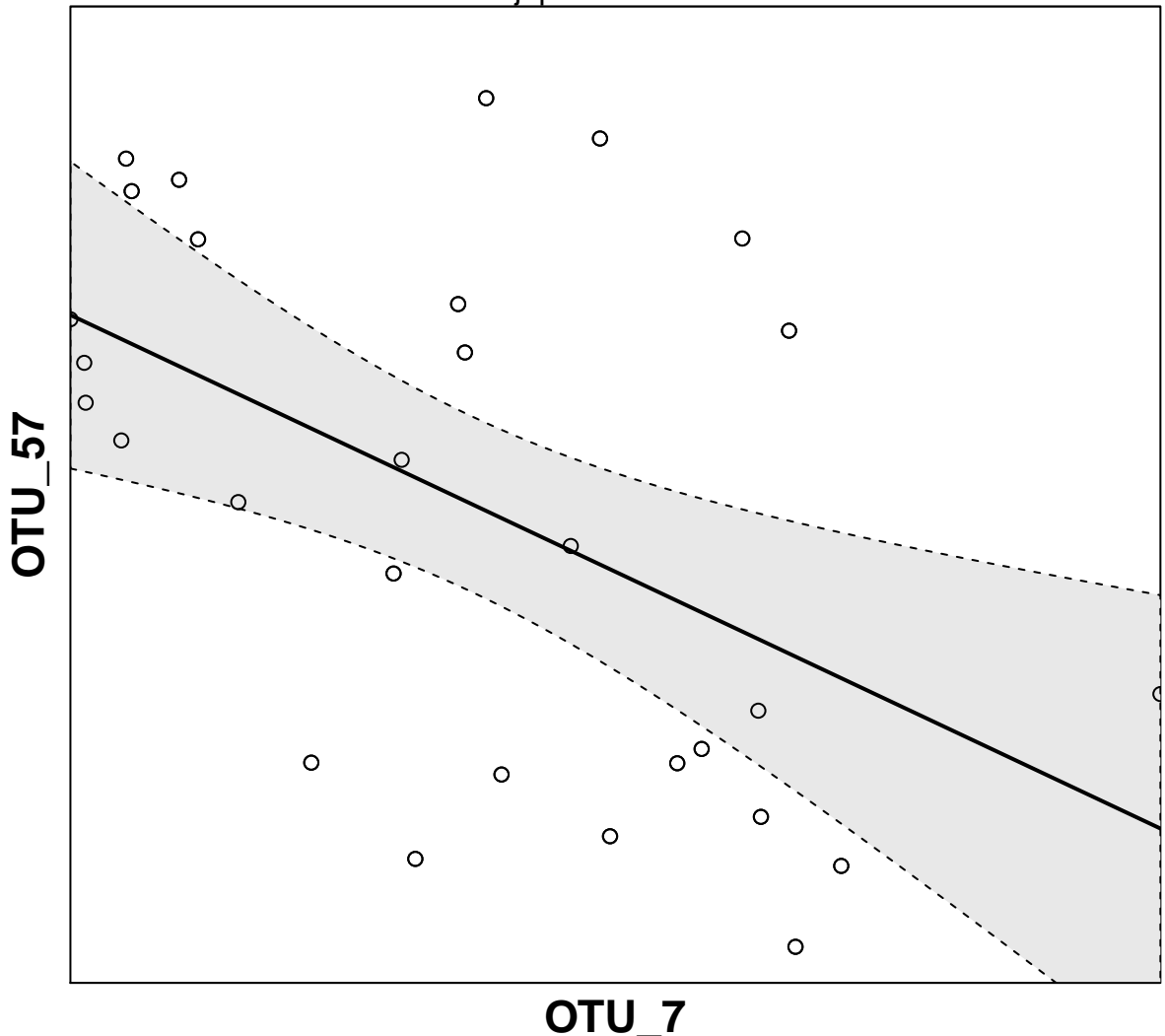
Pearson's r:0.595
P−value:0
Adj. p−value:0.0022

OTU_57

OTU_69

supported by 43 observations
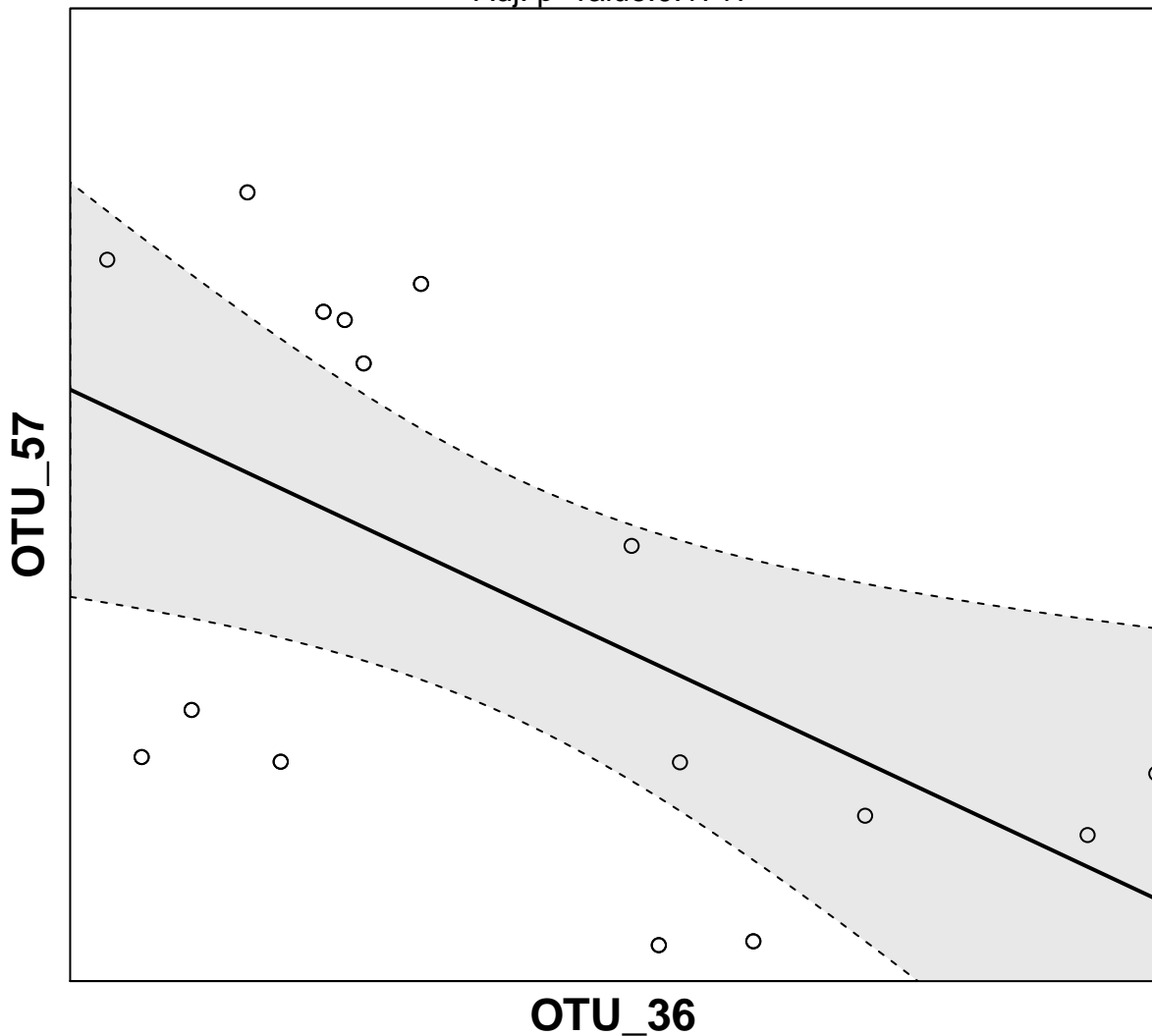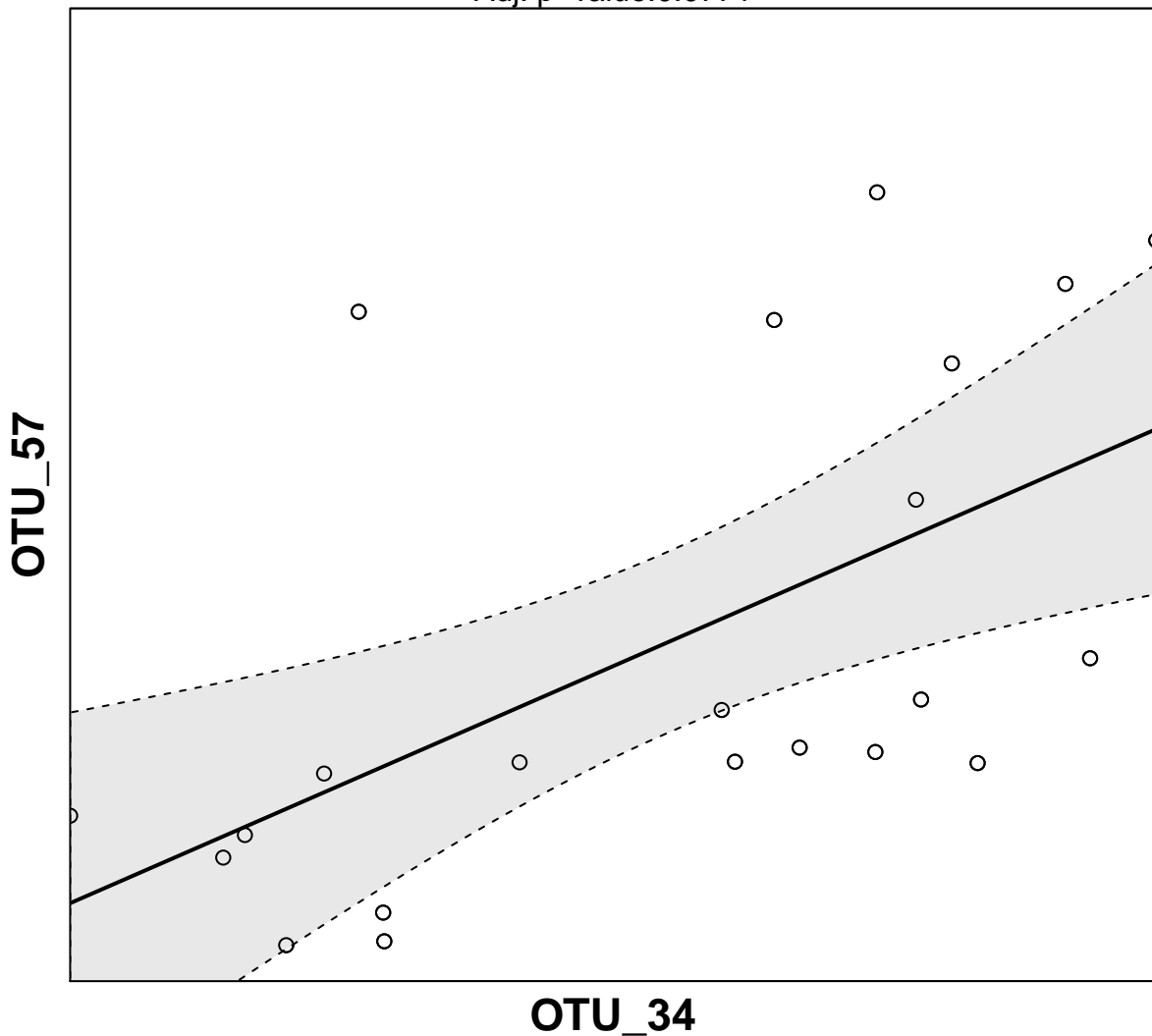
Pearson's r:−0.5098
P−value:0.0047
Adj. p−value:0.0823

OTU_57

OTU_7

supported by 29 observations

Pearson's r:−0.579
P−value:0.0188
Adj. p−value:0.1717

OTU_57

OTU_36

supported by 16 observations

Pearson's r:0.586
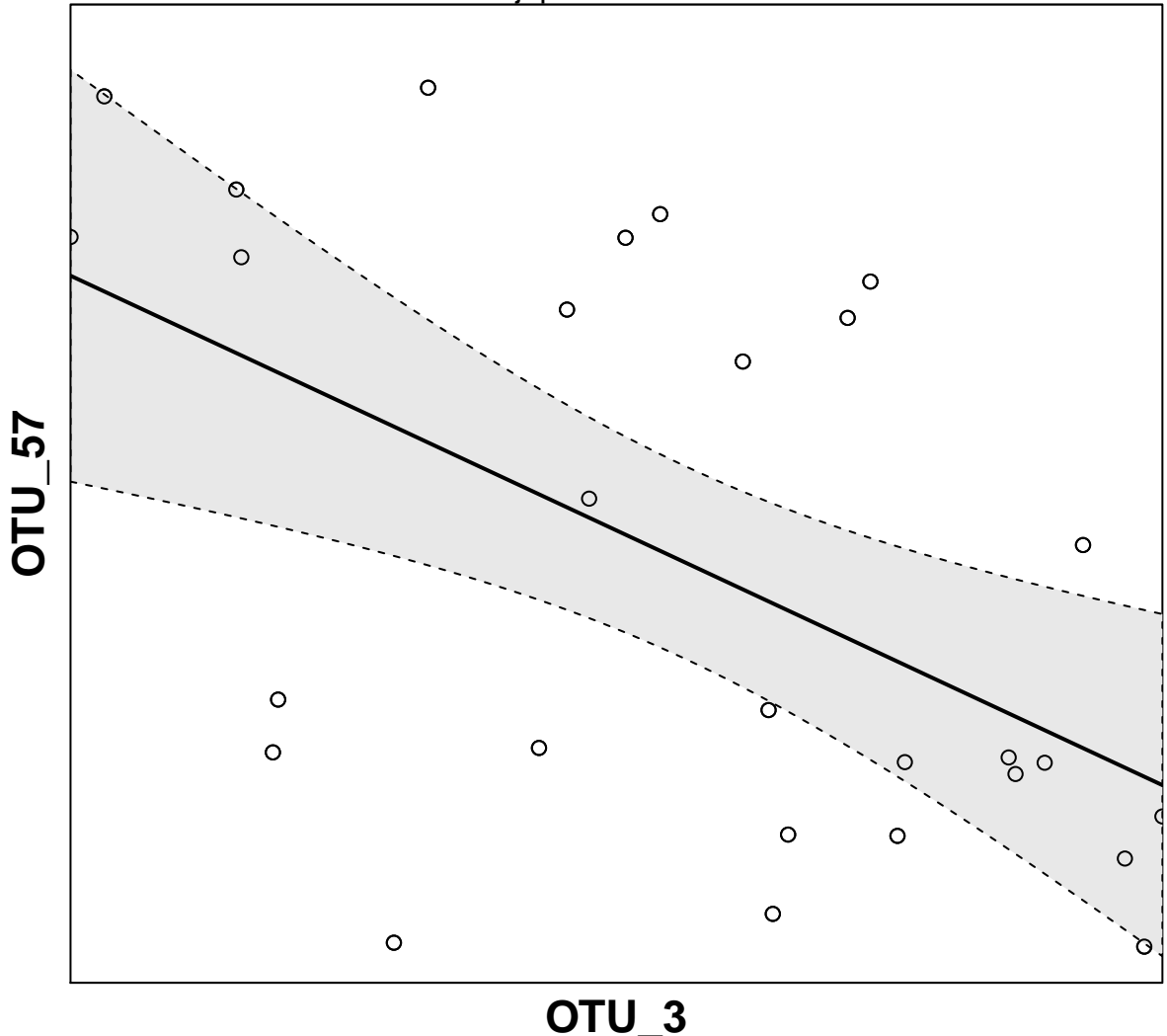P−value:0.0042
Adj. p−value:0.0771

OTU_57

OTU_34

supported by 22 observations

Pearson's r:−0.5361
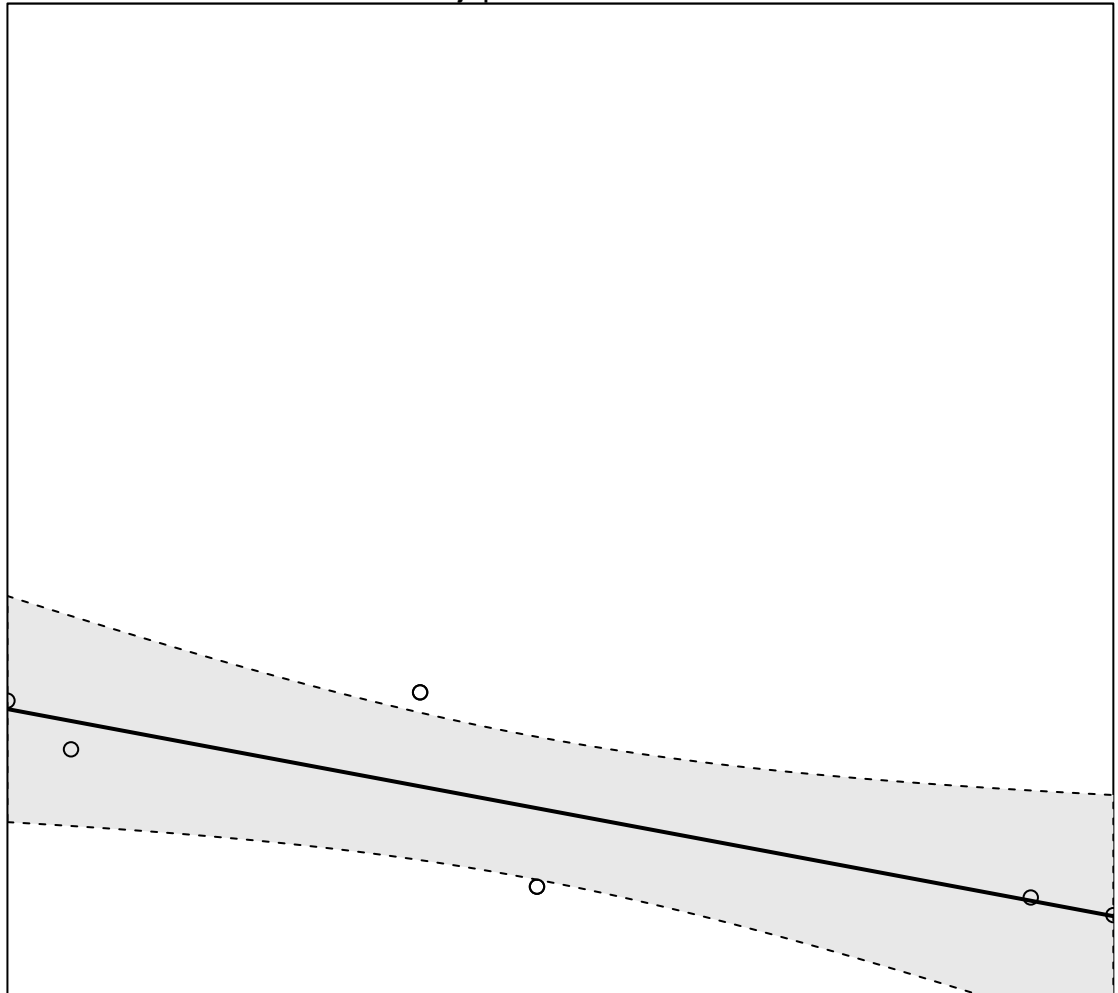P−value:0.0033
Adj. p−value:0.0691

OTU_57

OTU_3

supported by 28 observations

Pearson's r:−0.8403
P−value:0.0362
Adj. p−value:0.2563
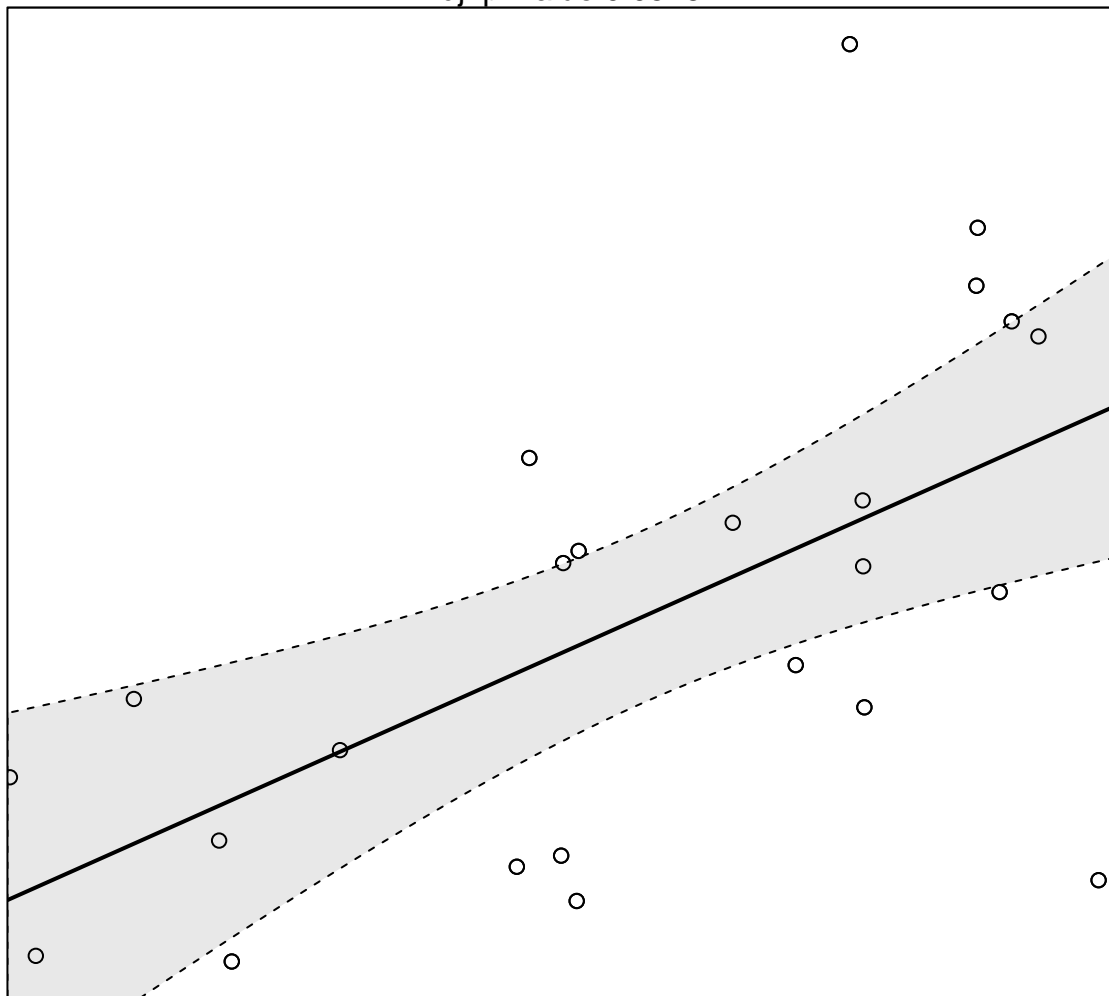

OTU_54

OTU_92

supported by 6 observations

Pearson's r:0.6007
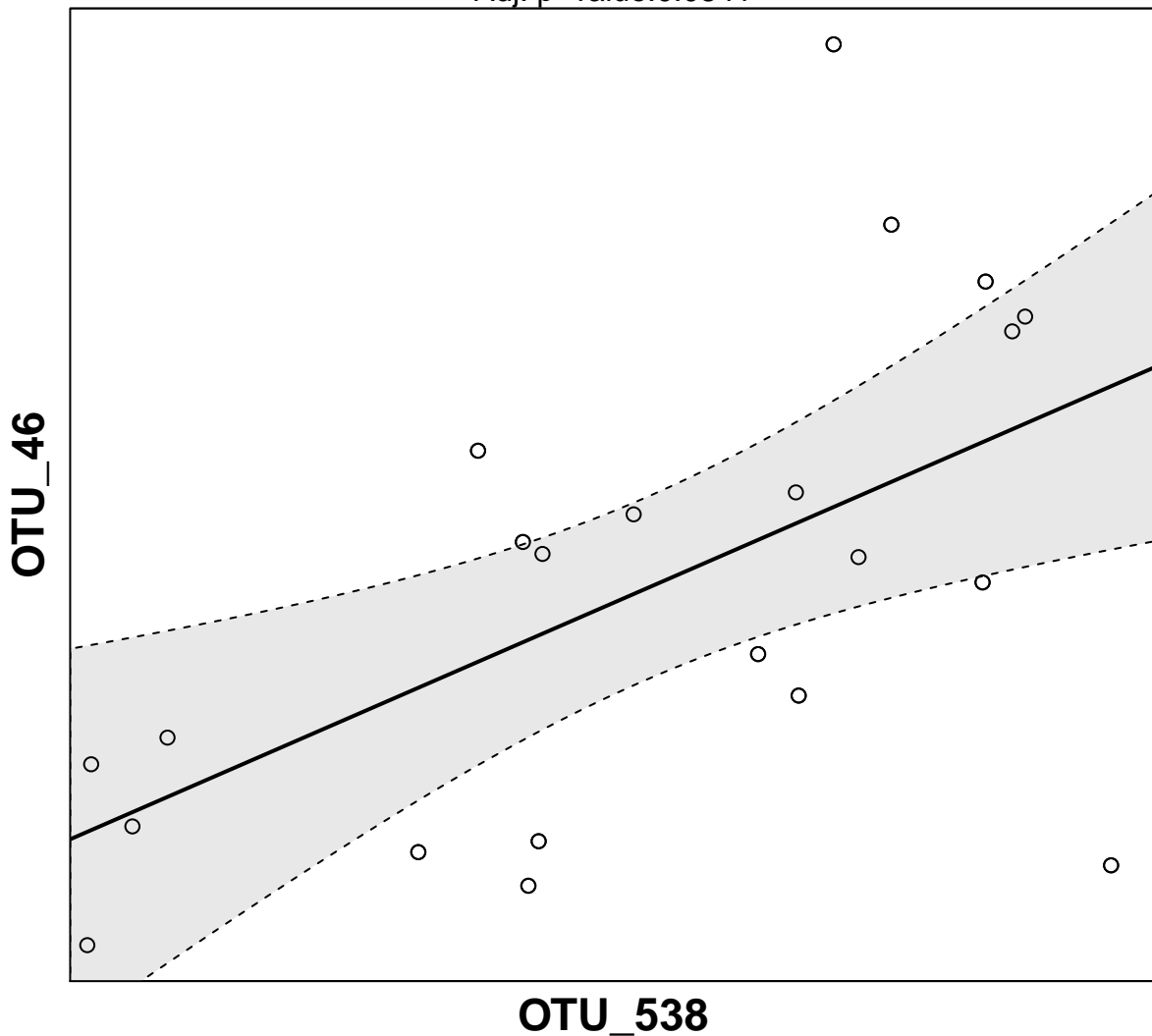P−value:0.0019
Adj. p−value:0.0516

OTU_46

OTU_14

supported by 24 observations

Pearson's r:0.5724
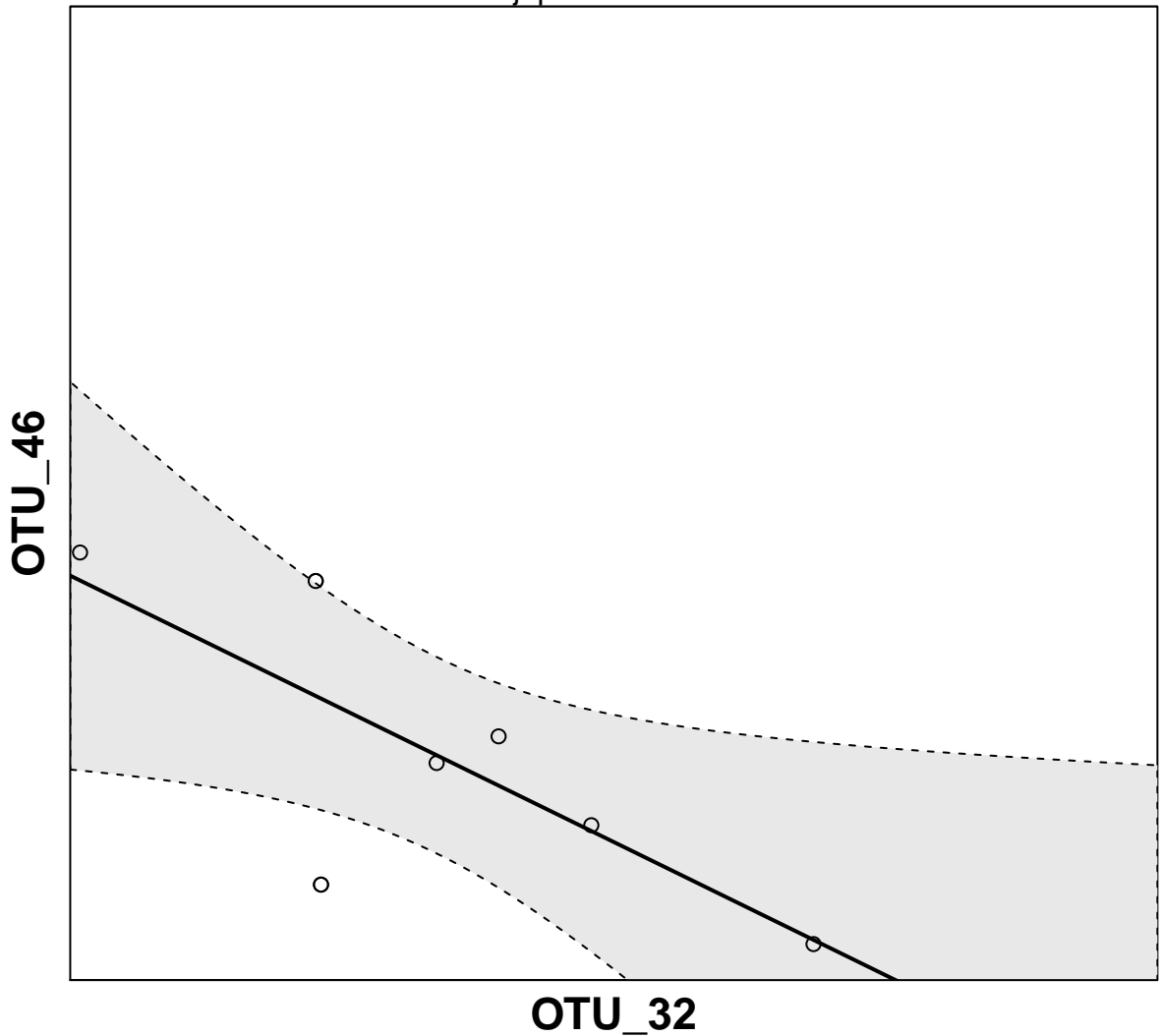P−value:0.0054
Adj. p−value:0.0841

OTU_46

OTU_538

supported by 22 observations

Pearson's r:−0.7772
P−value:0.0398
Adj. p−value:0.2648
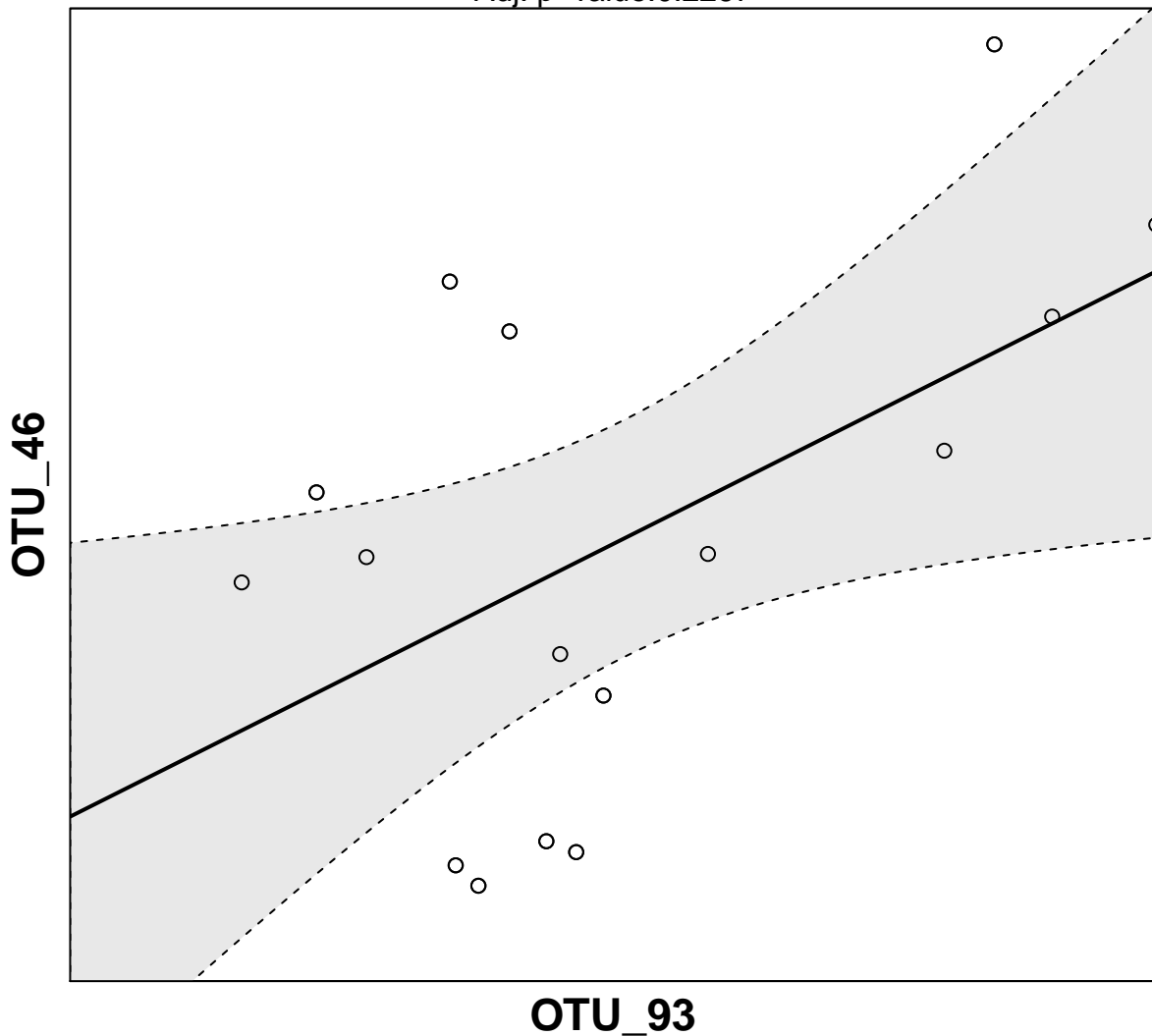
OTU_46

OTU_32

supported by 7 observations

Pearson's r:0.5414
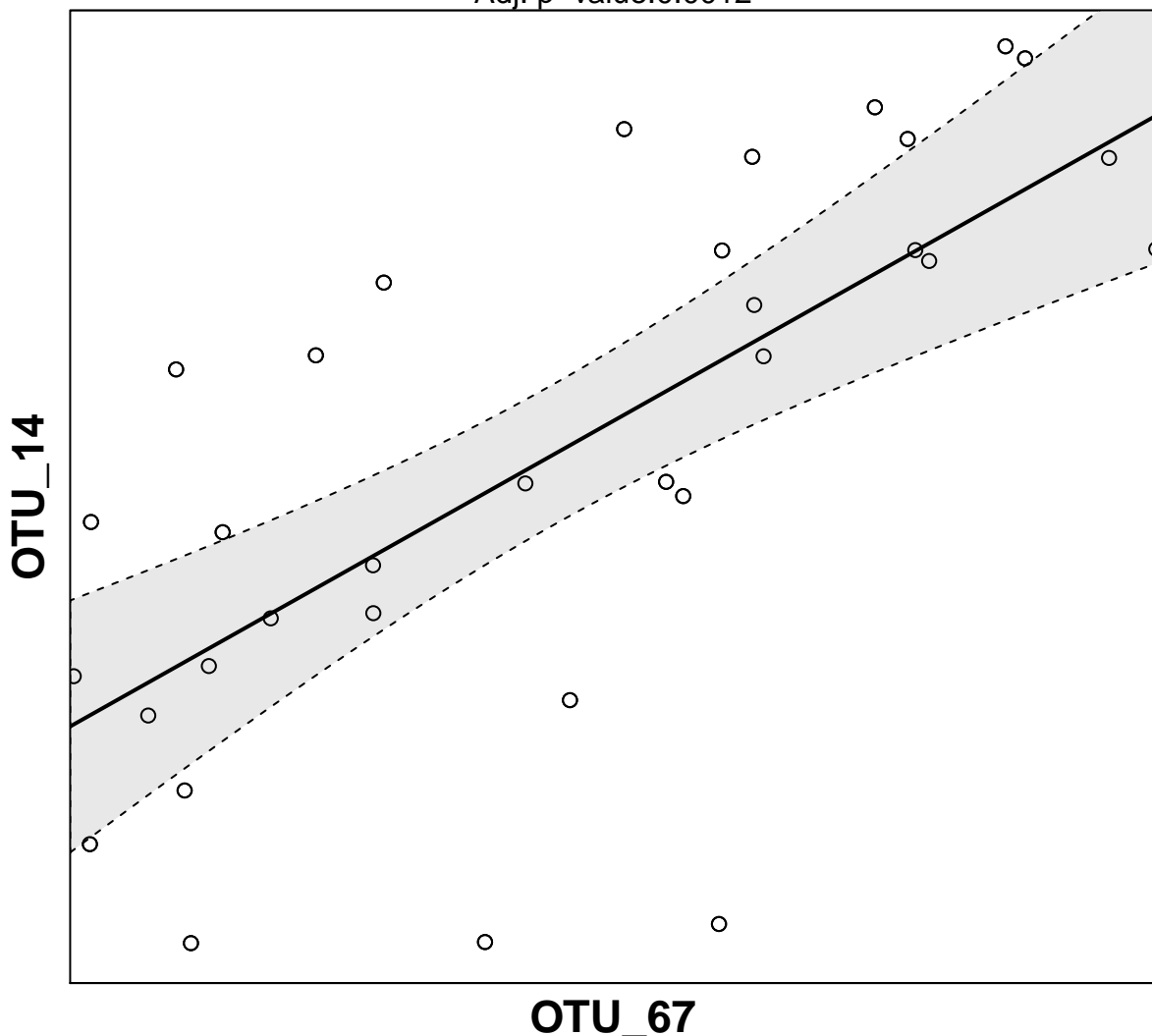P−value:0.0303
Adj. p−value:0.2267

OTU_46

OTU_93

supported by 16 observations
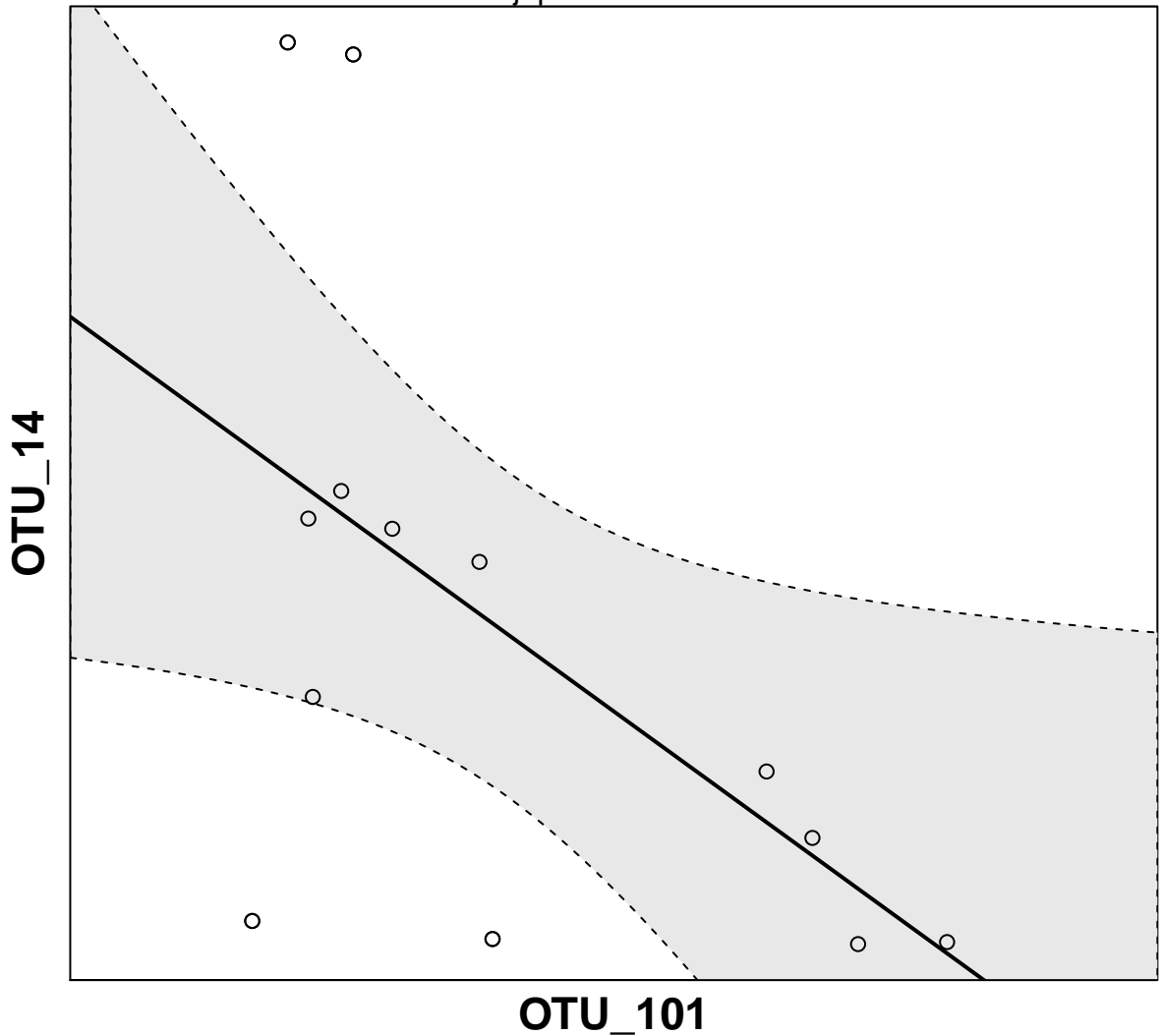
Pearson's r:0.6904
P−value:0
Adj. p−value:0.0012

OTU_14

OTU_67

supported by 33 observations

Pearson's r:−0.5755
P−value:0.0396
Adj. p−value:0.2648
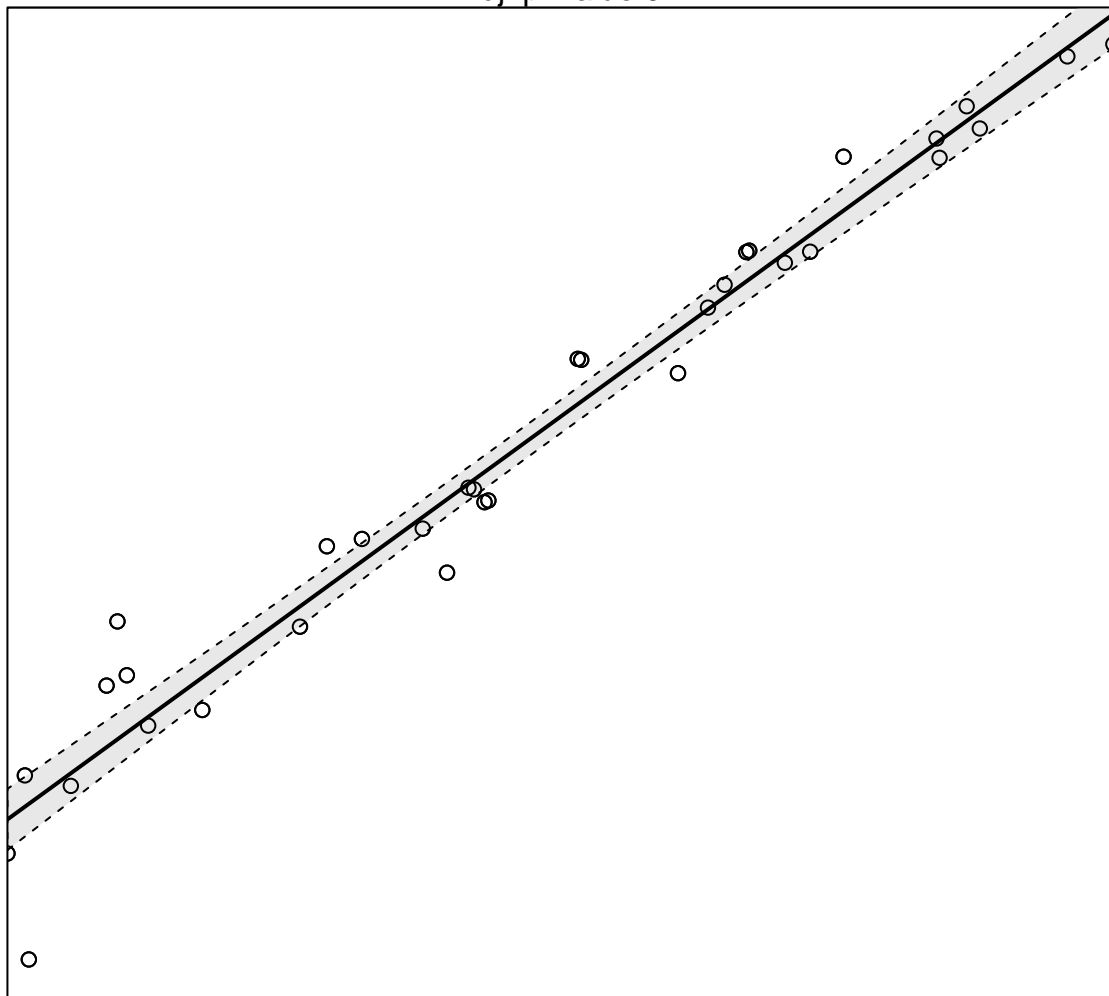
OTU_14

OTU_101

supported by 13 observations

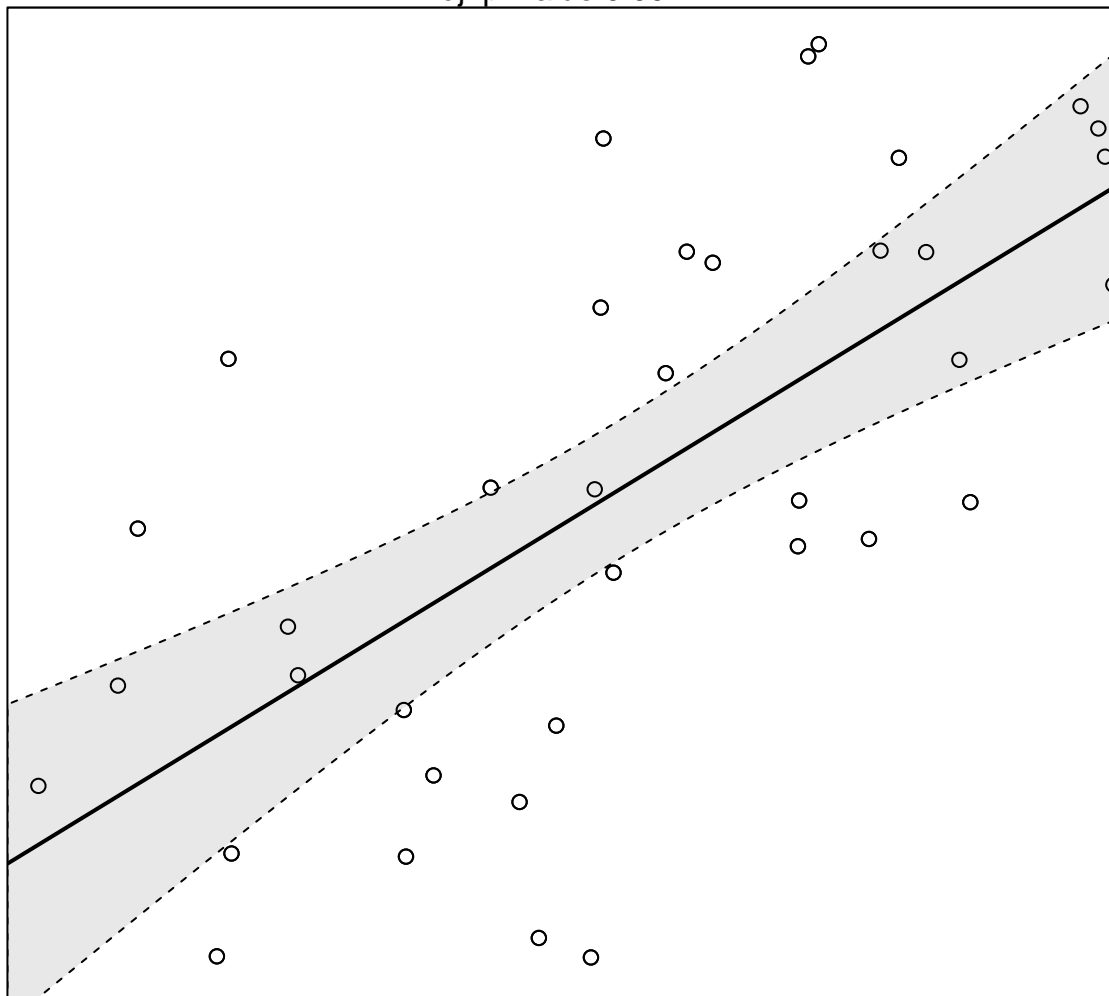Pearson's r:0.9823
P–value:0
Adj. p–value:0

OTU_14

OTU_538

supported by 34 observations
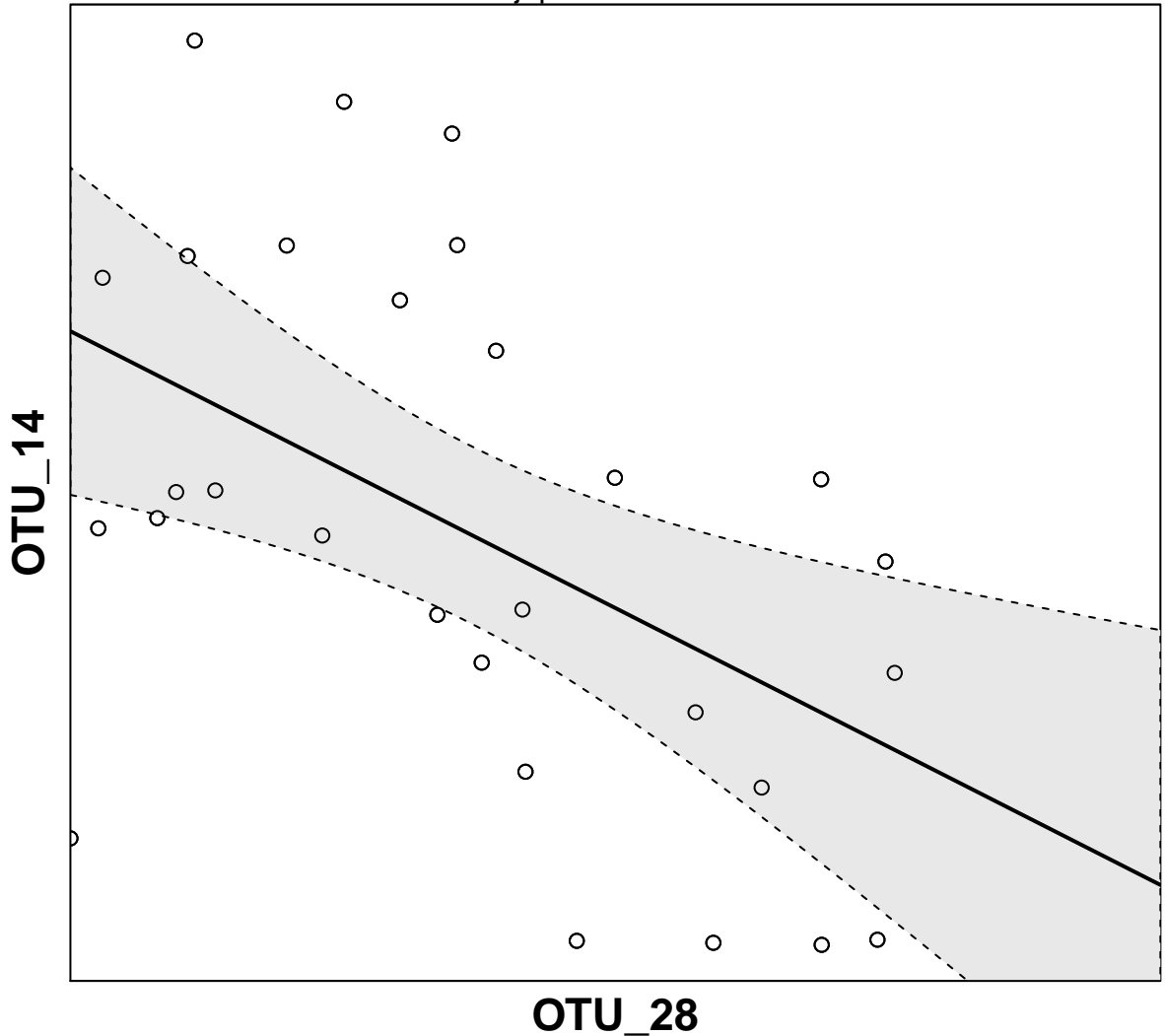
Pearson's r:0.6698
P−value:0
Adj. p−value:0.0011

OTU_14
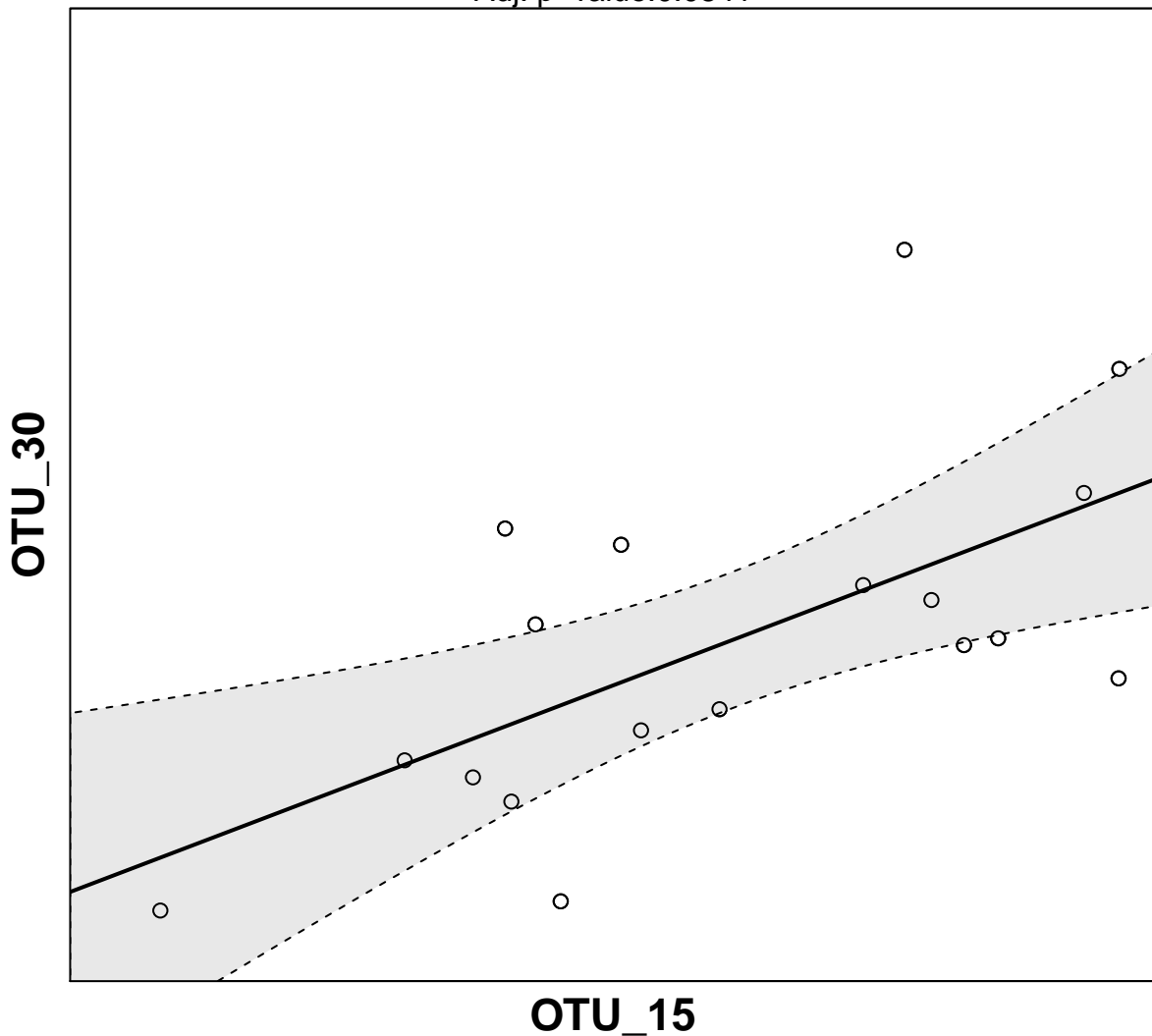
OTU_43

supported by 37 observations

Pearson's r:−0.5023
P−value:0.0055
Adj. p−value:0.0841

OTU_14

OTU_28

supported by 29 observations

Pearson's r:0.626
P−value:0.0055
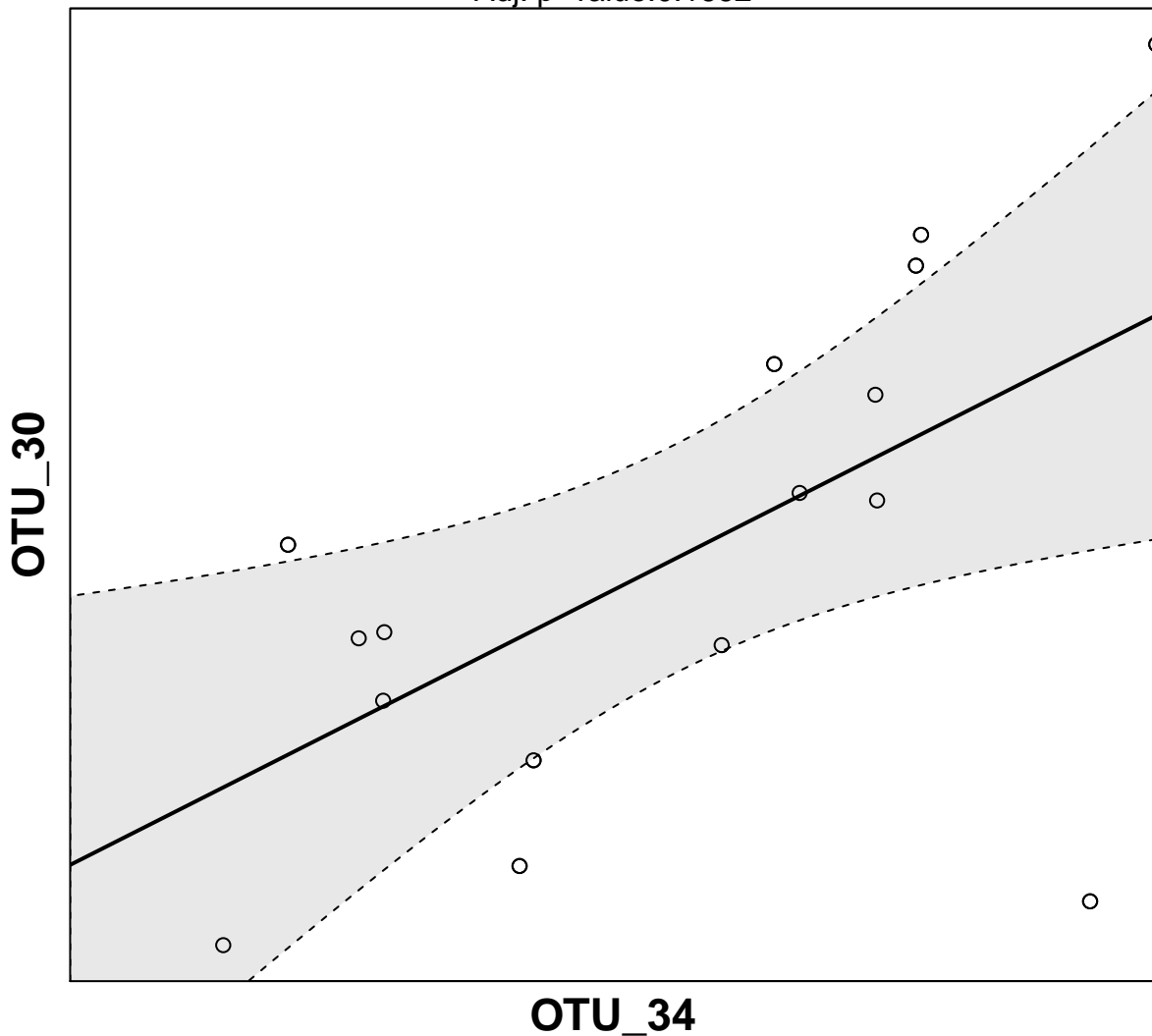Adj. p−value:0.0841

OTU_30

OTU_15

supported by 18 observations

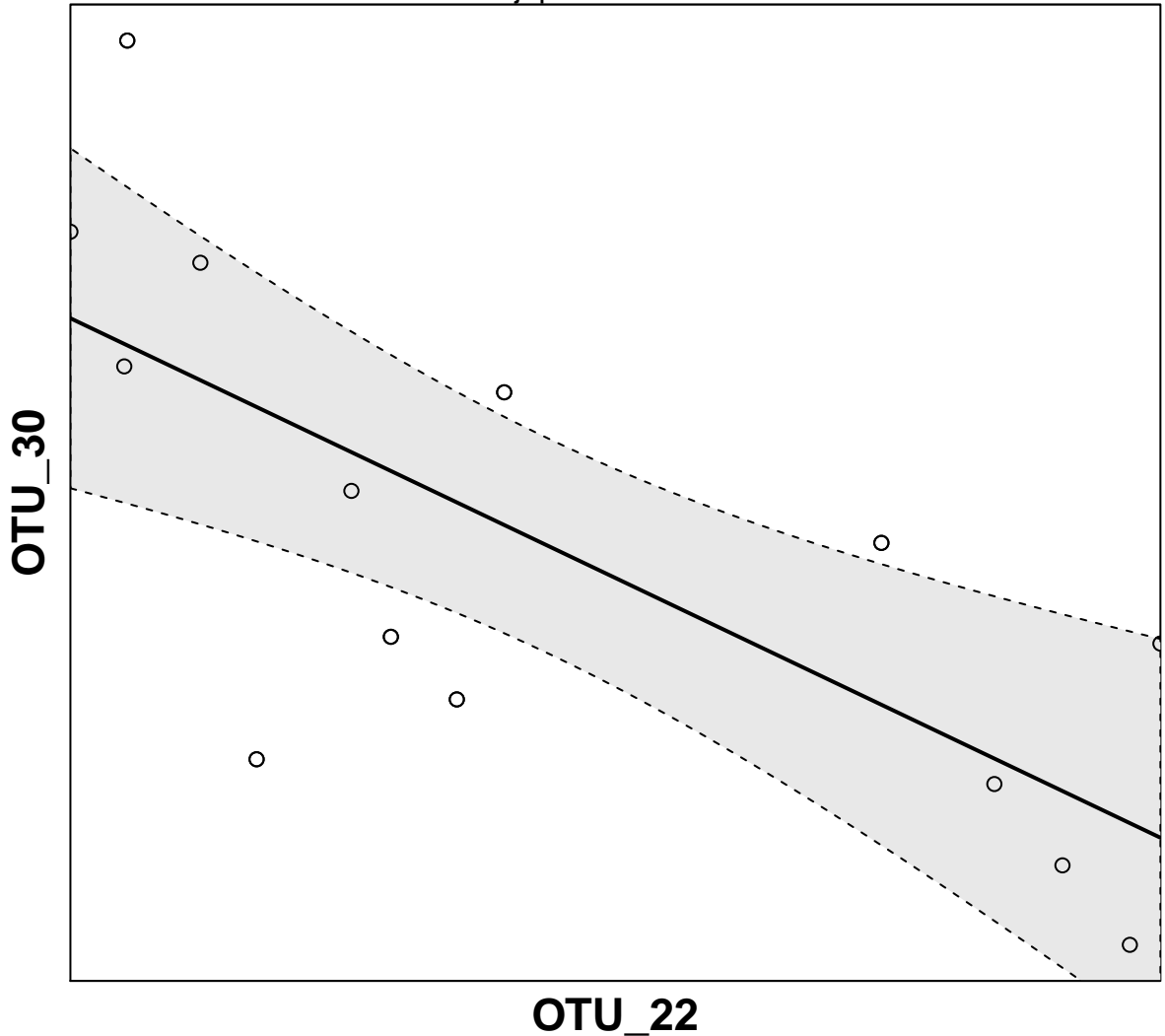Pearson's r:0.5857
P−value:0.0171
Adj. p−value:0.1662

OTU_30

OTU_34

supported by 16 observations

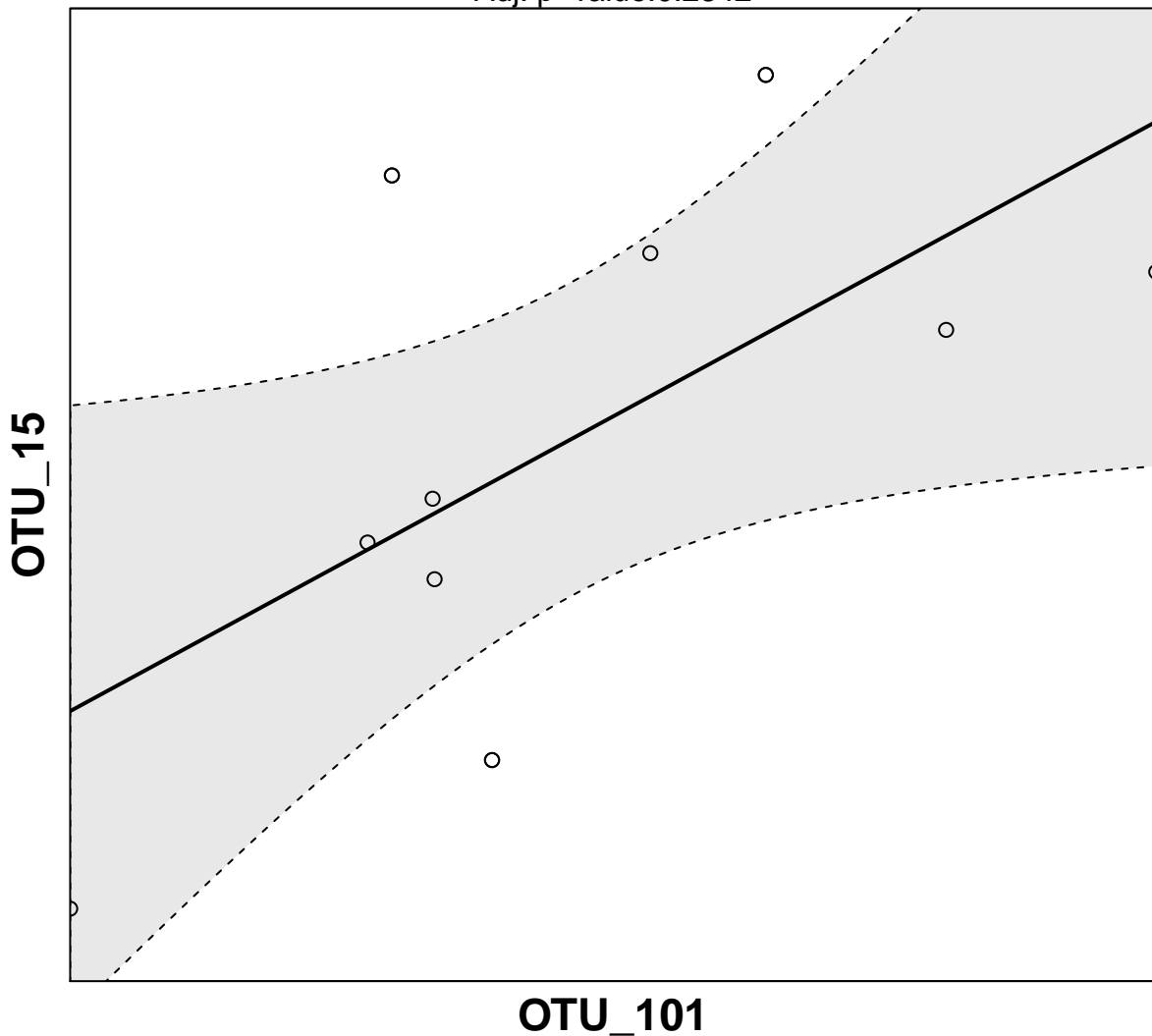Pearson's r:−0.7379
P−value:0.0026
Adj. p−value:0.0602

OTU_30

OTU_22

supported by 14 observations

Pearson's r:0.6452
P−value:0.044
Adj. p−value:0.2842
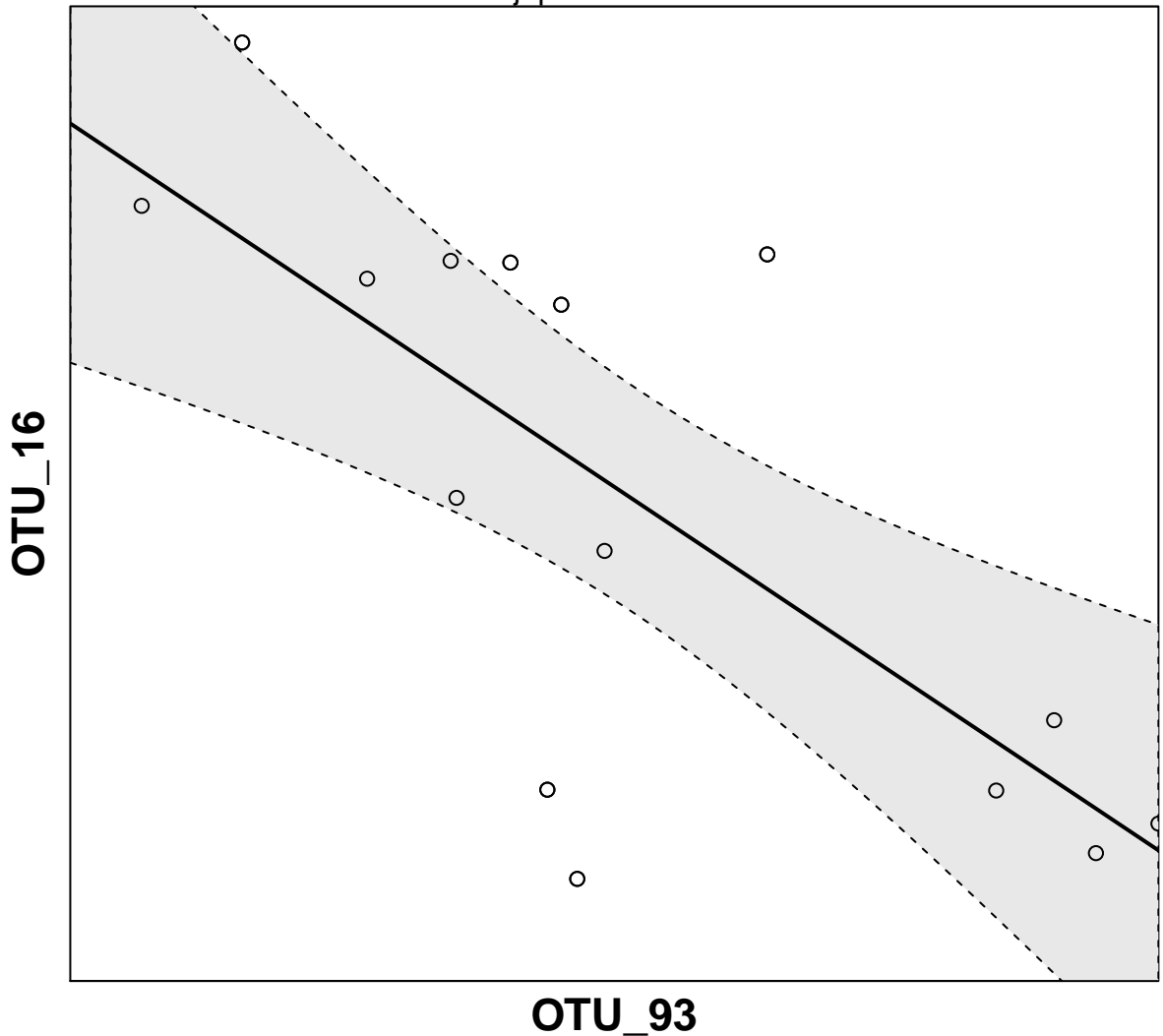
OTU_15

OTU_101

supported by 10 observations

Pearson's r:−0.7315
P−value:0.0019
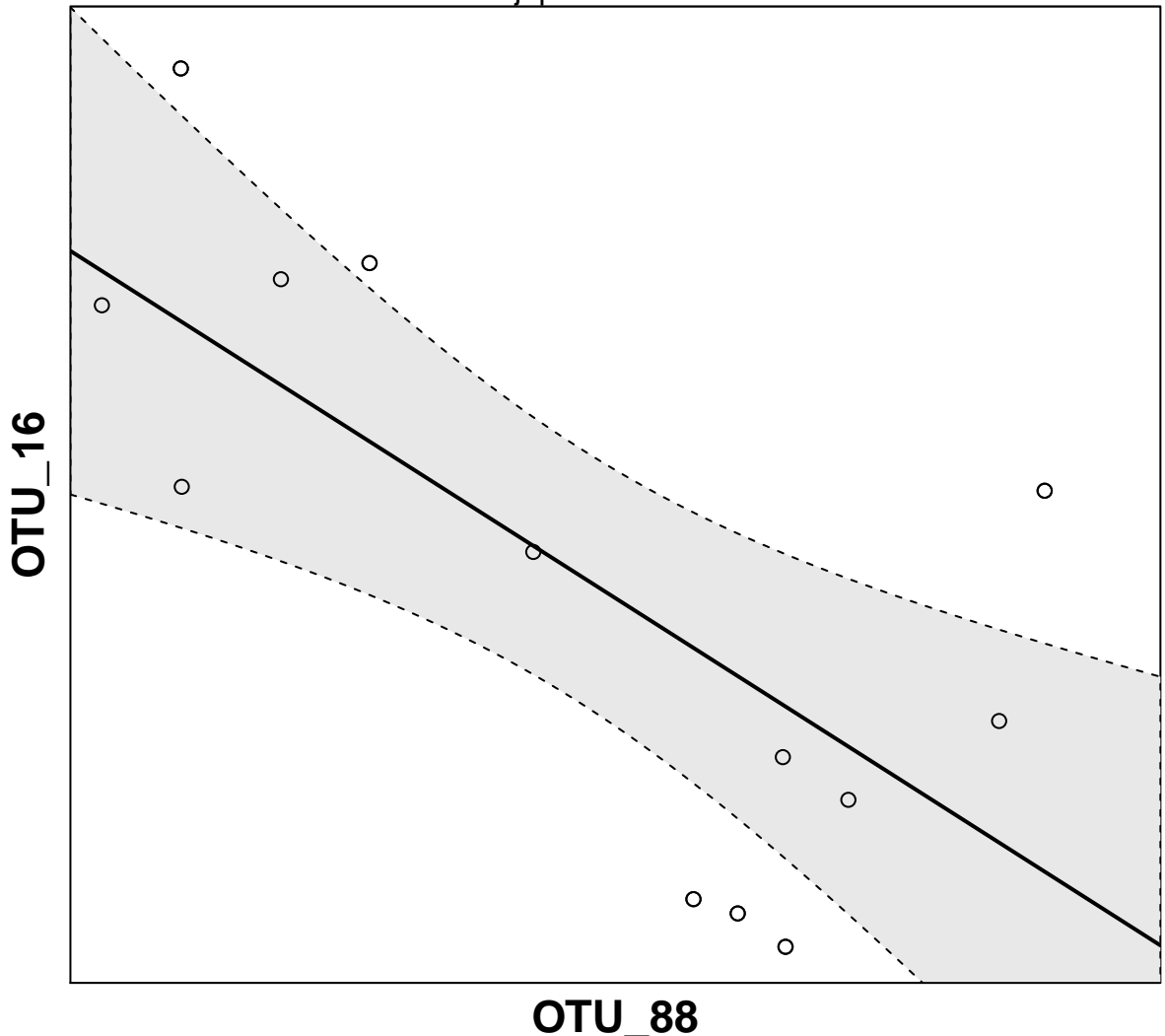Adj. p−value:0.0516

OTU_16

OTU_93

supported by 15 observations

Pearson's r:−0.7199
P−value:0.0055
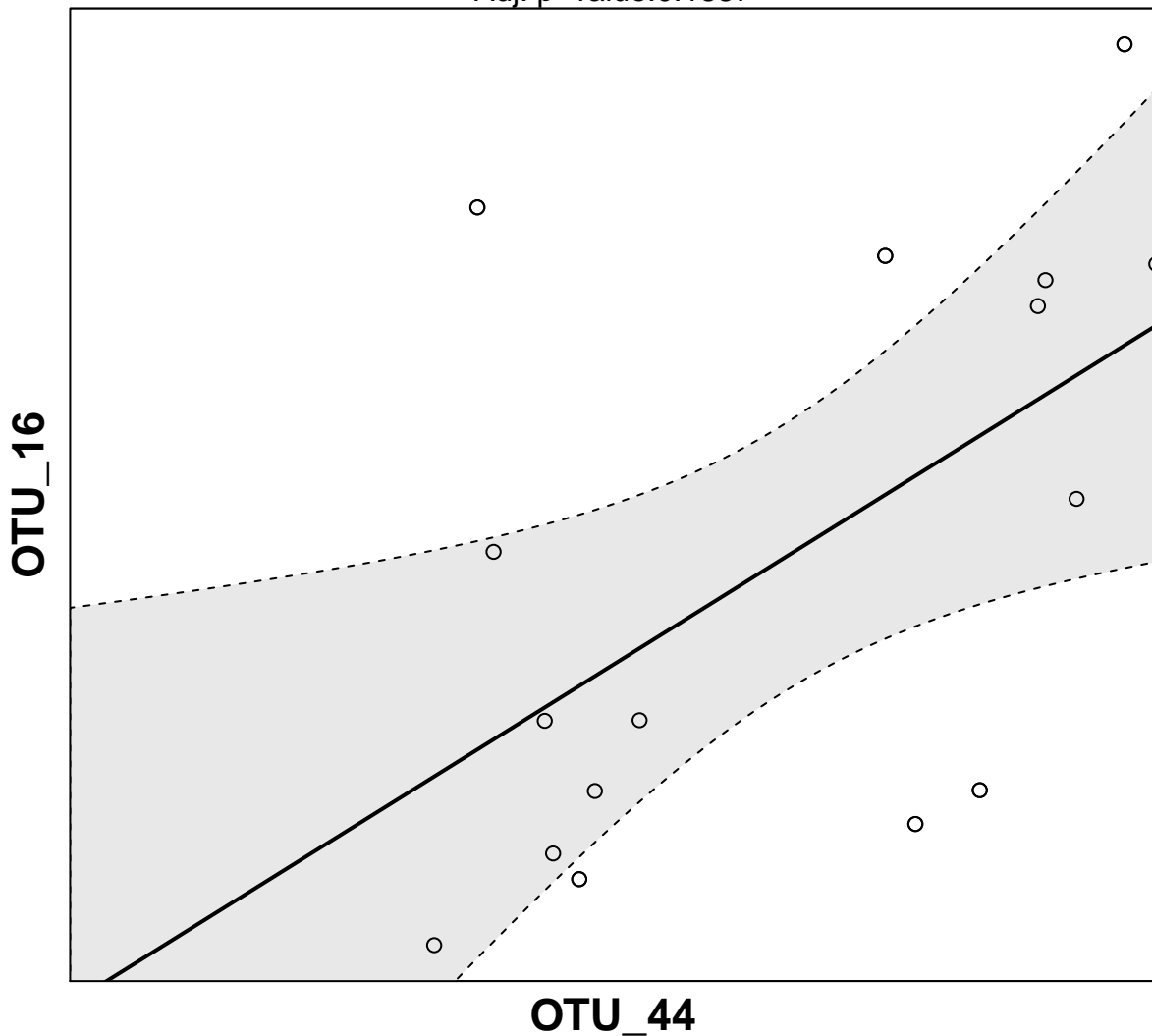Adj. p−value:0.0841

OTU_16

OTU_88

supported by 13 observations

Pearson's r:0.5652
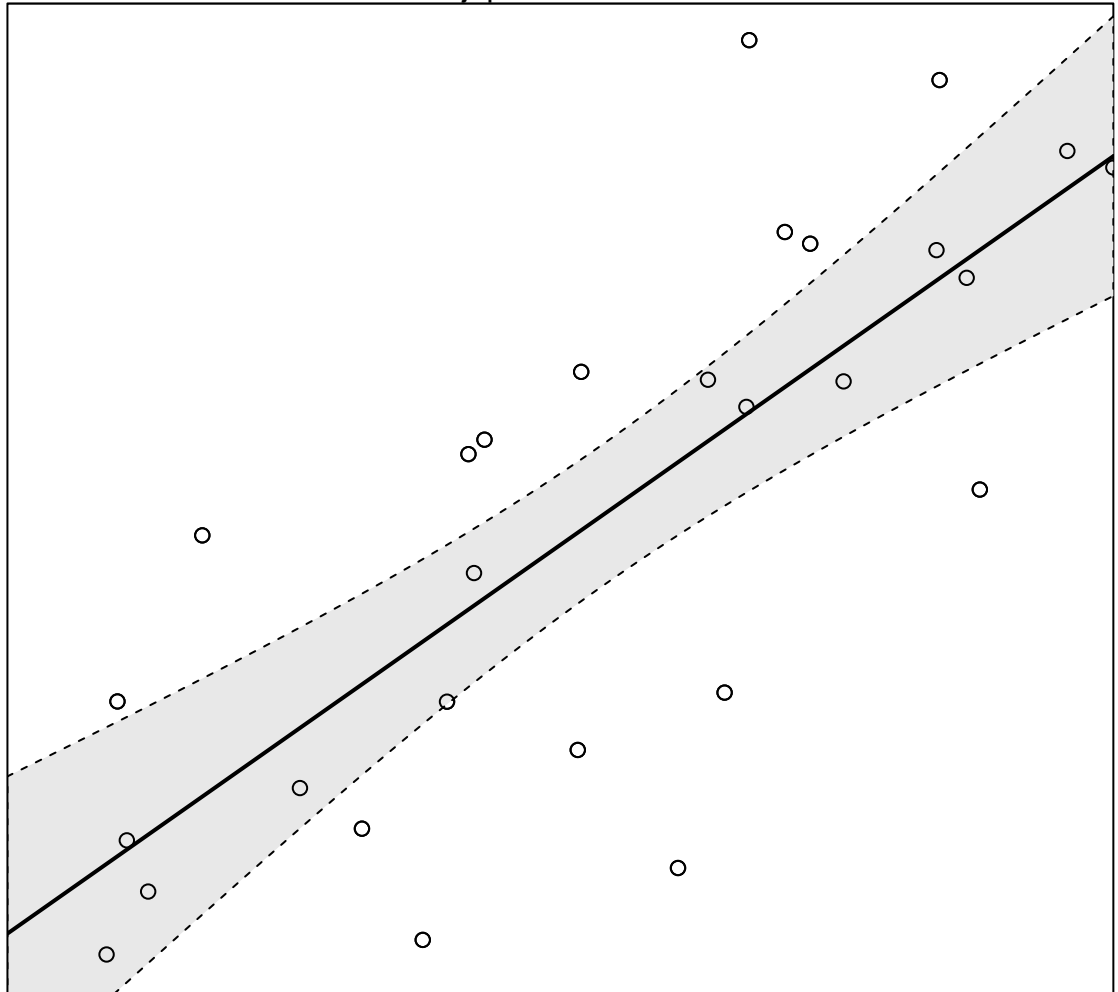P−value:0.0225
Adj. p−value:0.1887

OTU_16

OTU_44

supported by 16 observations
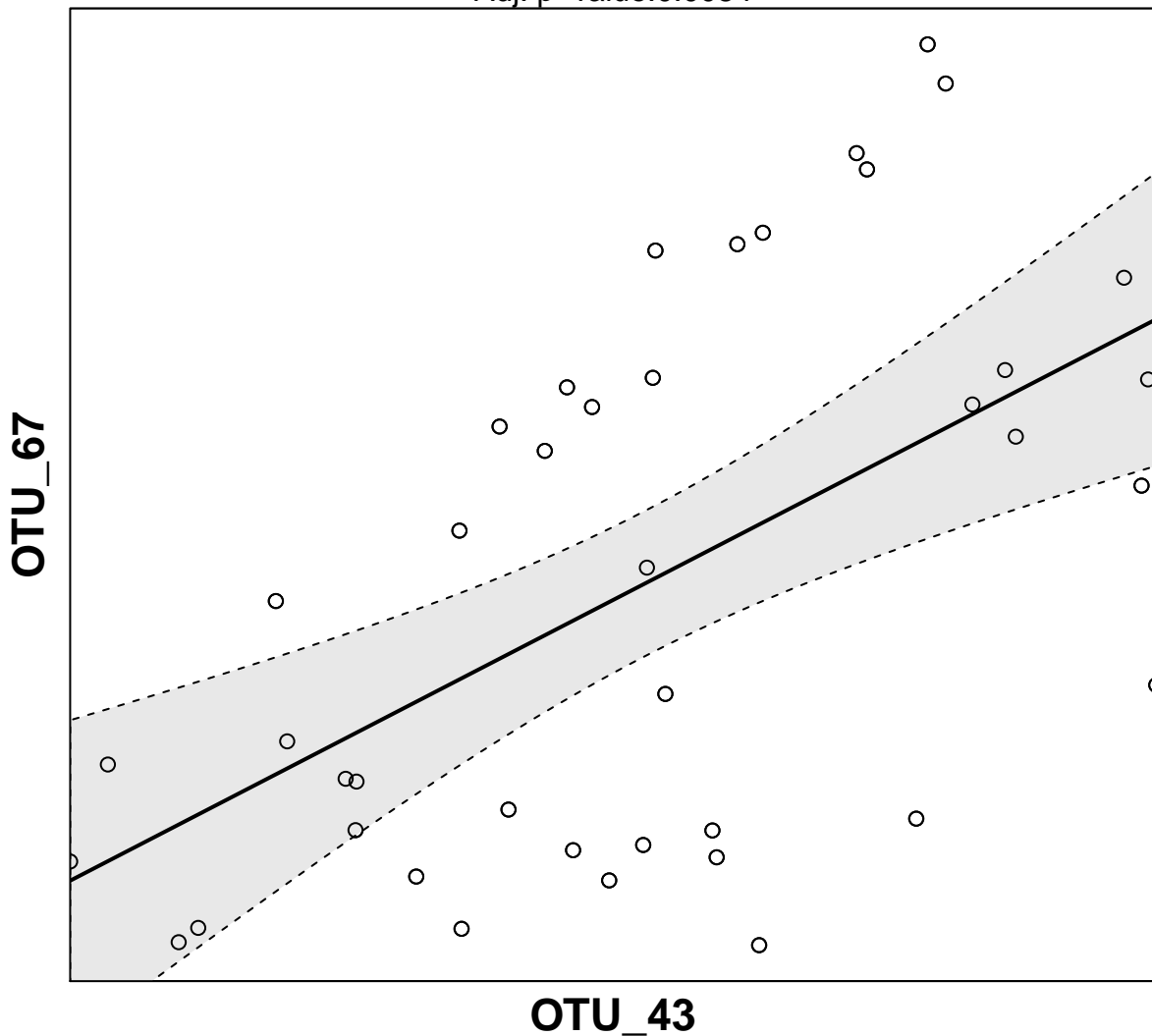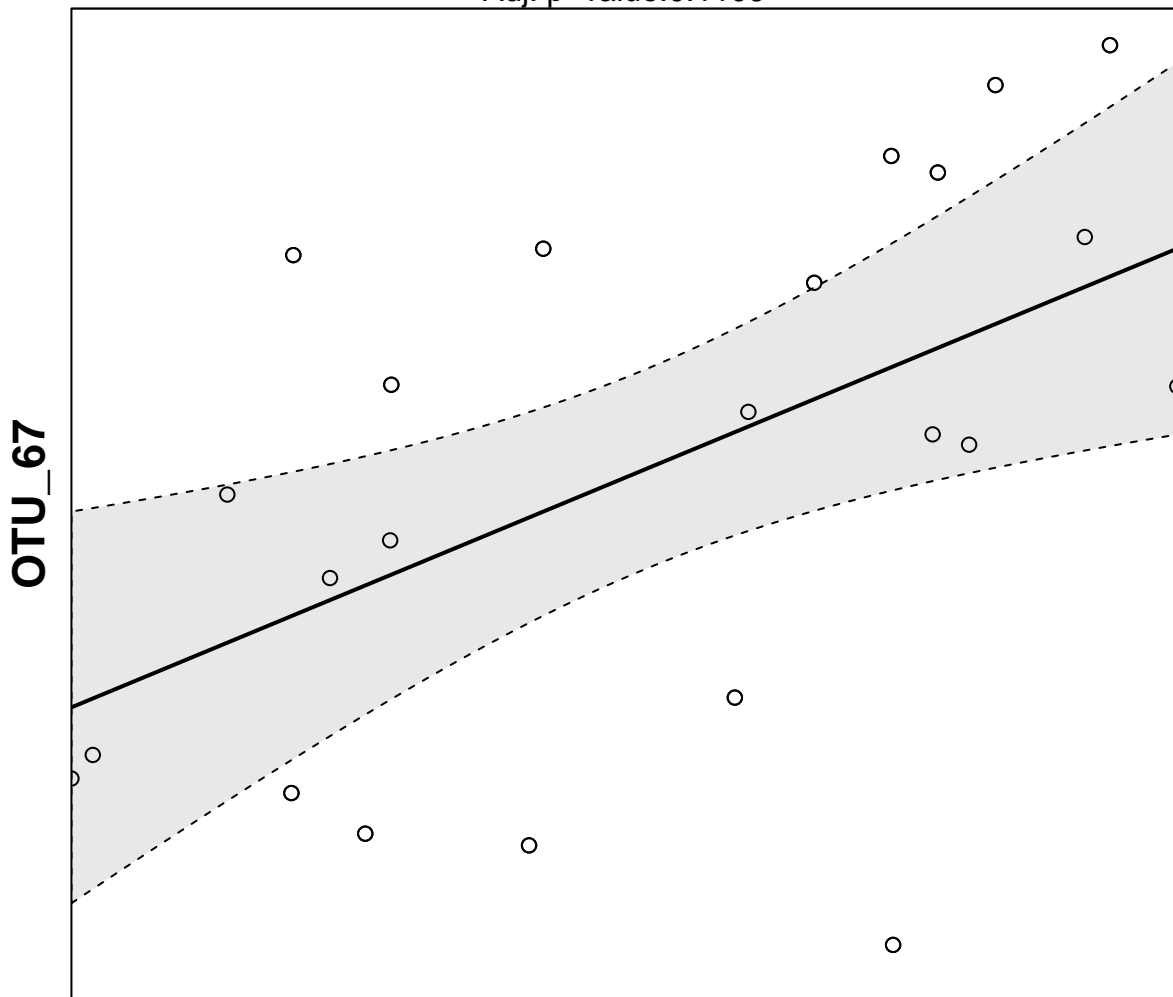
Pearson's r:0.7683
P–value:0
Adj. p–value:5e–04

OTU_67

OTU_538

supported by 28 observations

Pearson's r:0.558
P−value:2e−04
Adj. p−value:0.0084

OTU_67

OTU_43

supported by 41 observations

Pearson's r:0.539
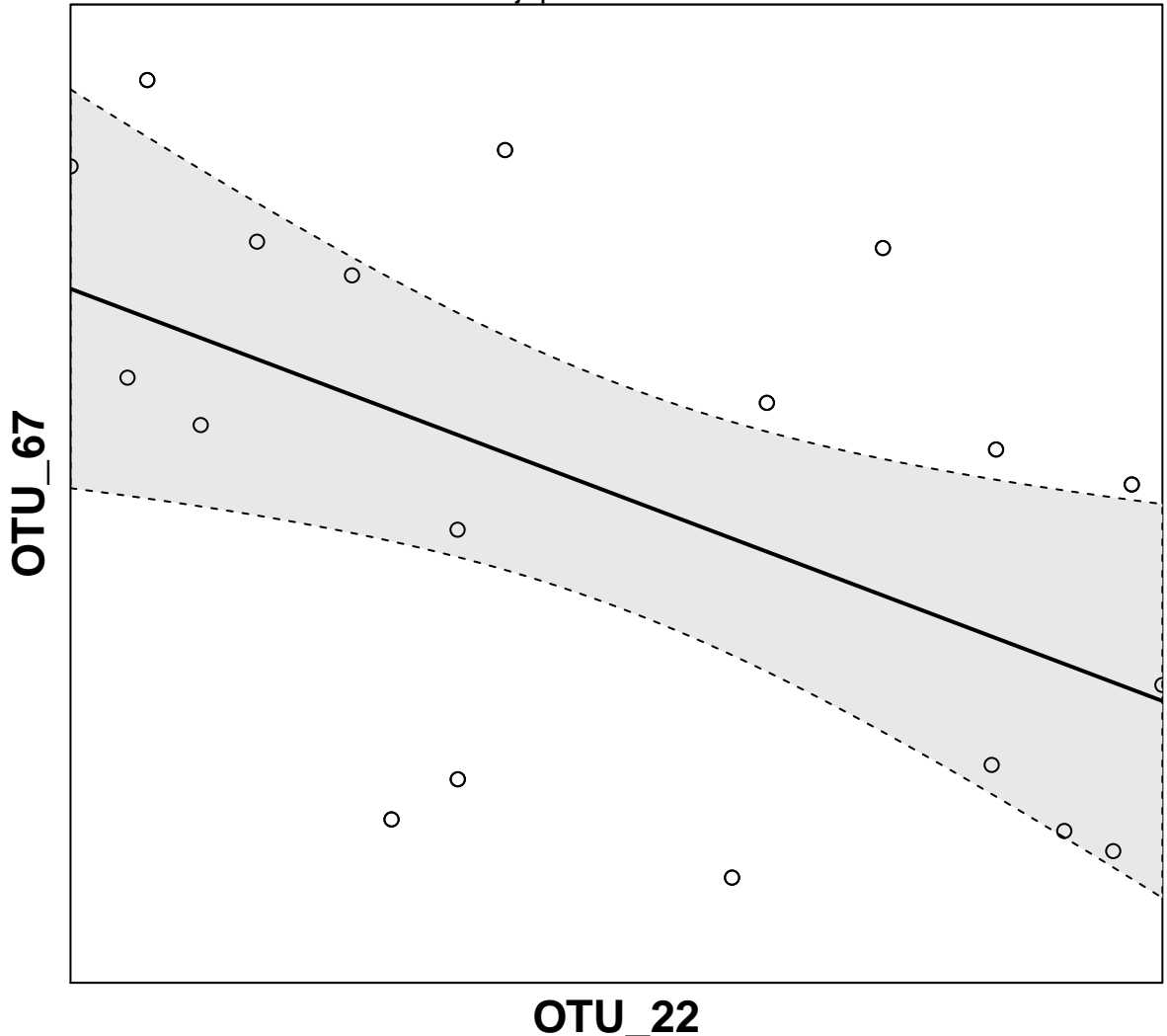P–value:0.008
Adj. p–value:0.1109

OTU_67

OTU_34

supported by 23 observations

Pearson's r:−0.5418
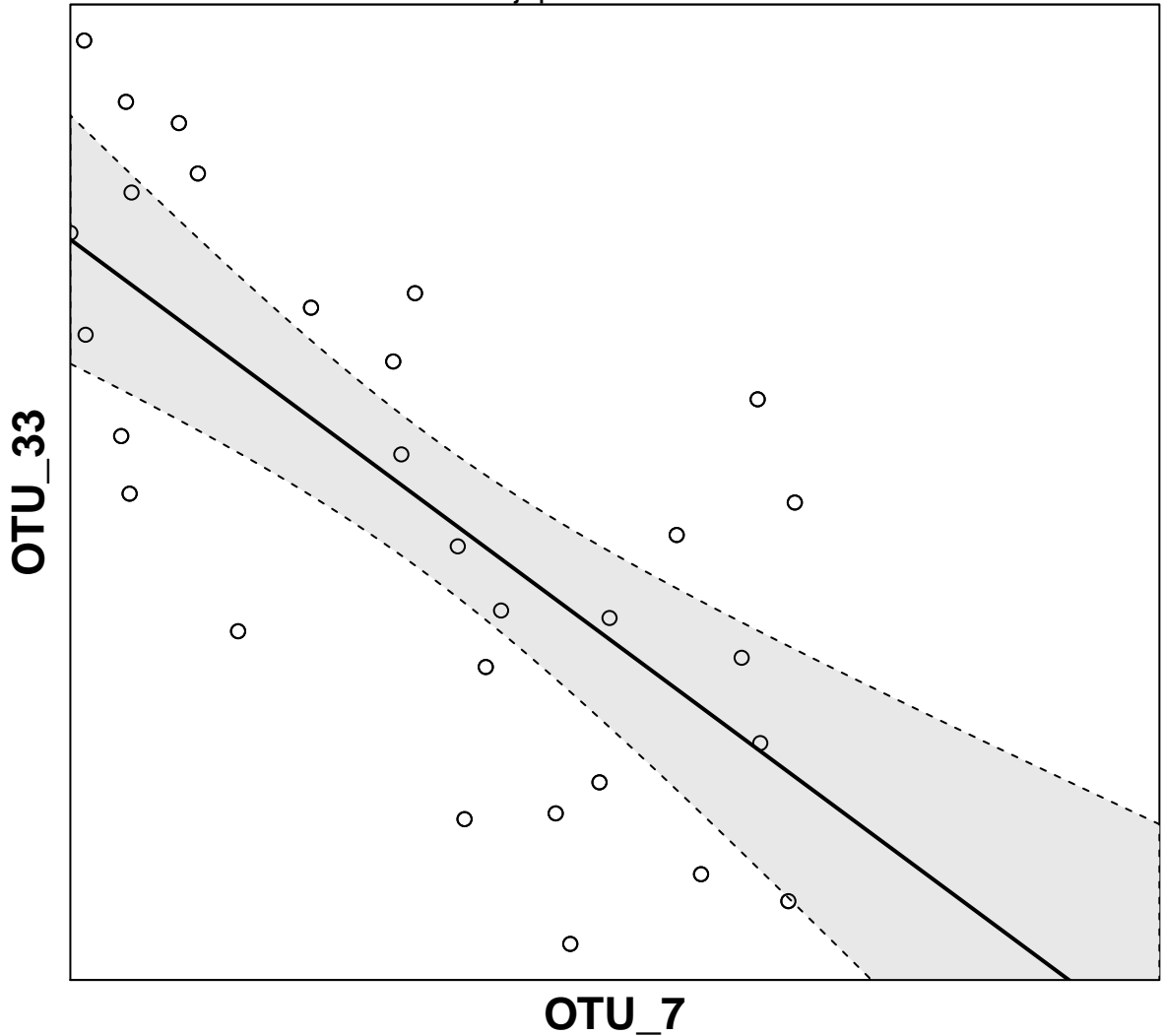P−value:0.0166
Adj. p−value:0.1637

OTU_67

OTU_22

supported by 19 observations

Pearson's r:−0.7126
P−value:0
Adj. p−value:0.0015

OTU_33

OTU_7

supported by 29 observations

Pearson's r:0.59
P−value:0.0161
Adj. p−value:0.1621

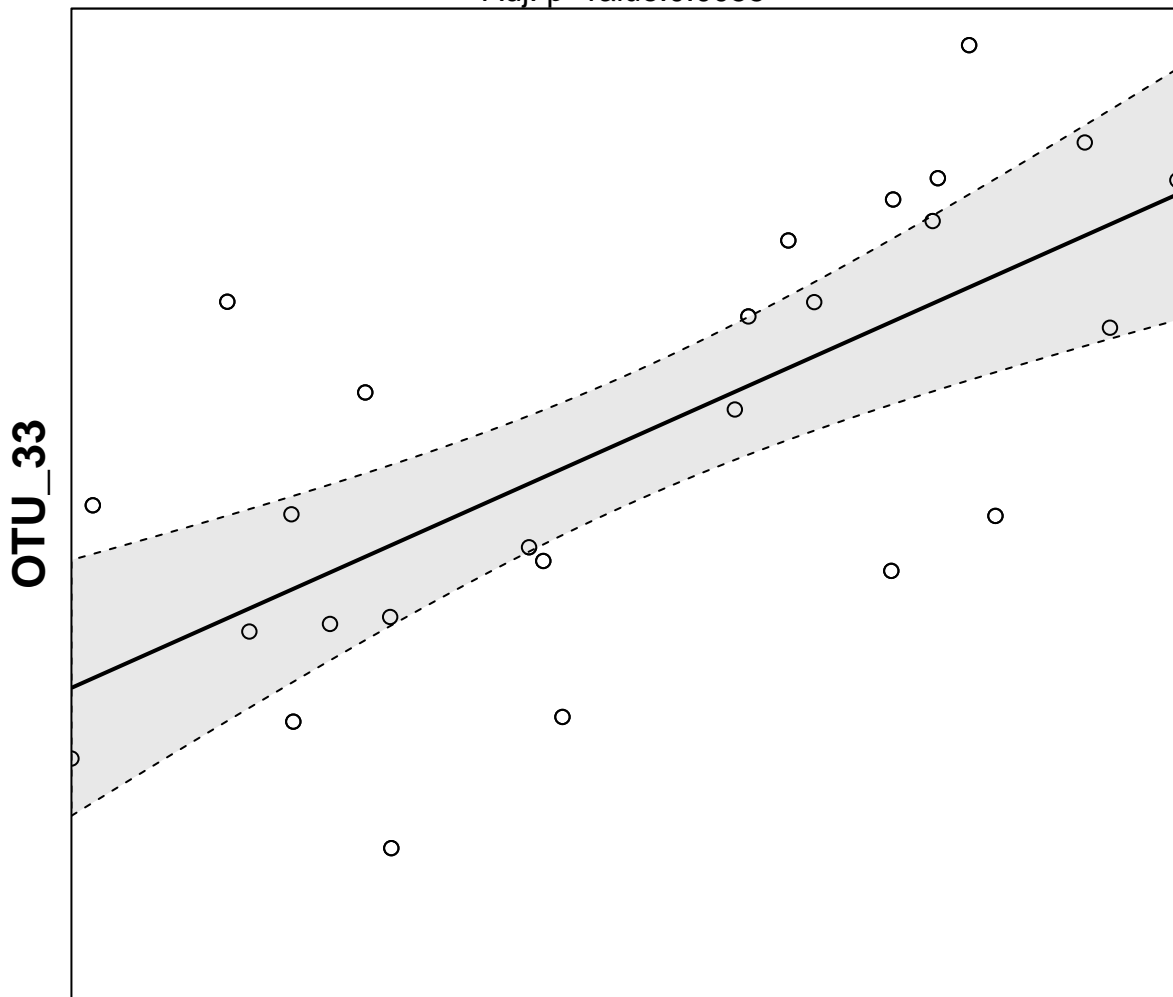OTU_33

OTU_397
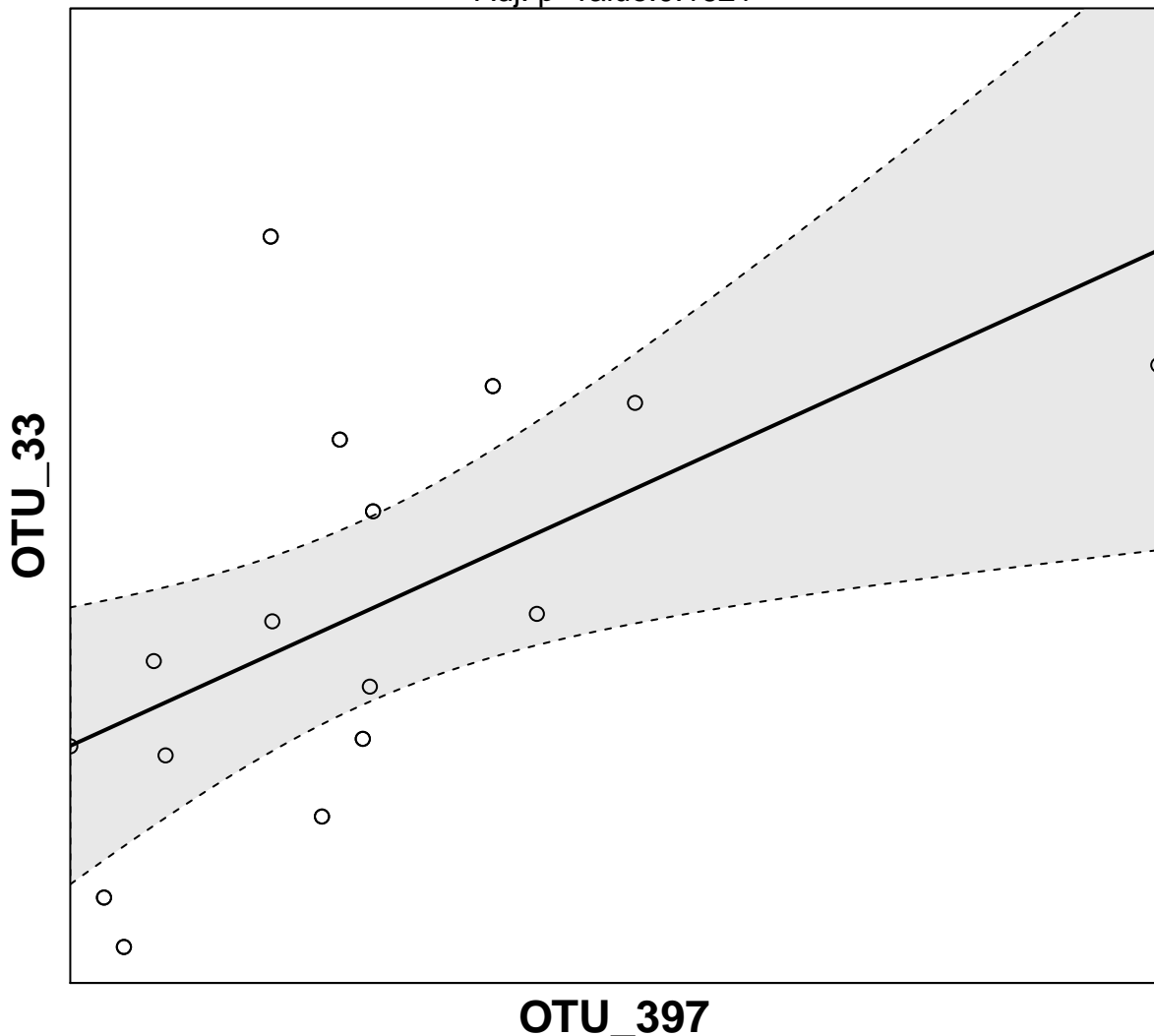
supported by 16 observations

Pearson's r:0.6906
P−value:1e−04
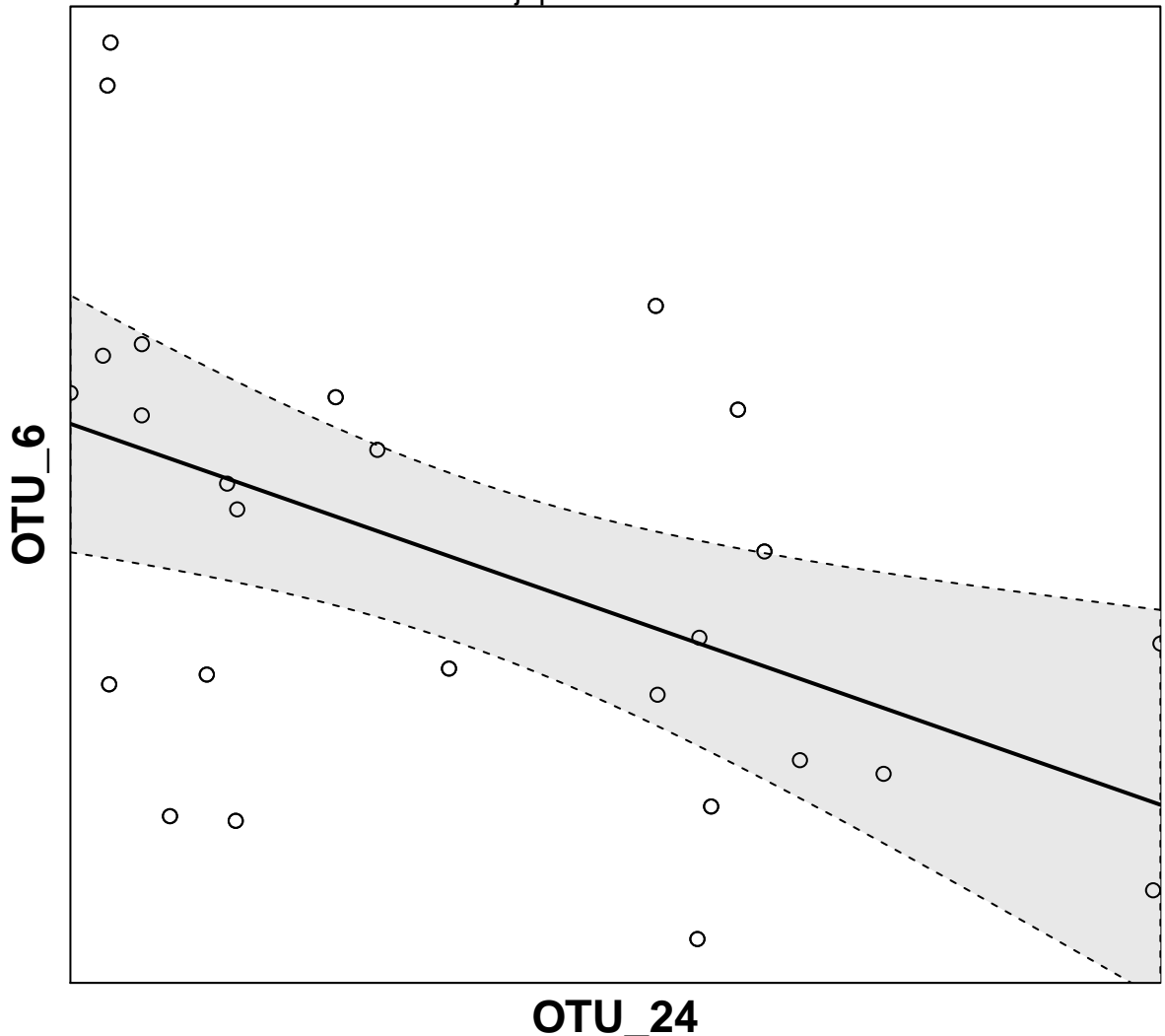Adj. p−value:0.0055

OTU_33
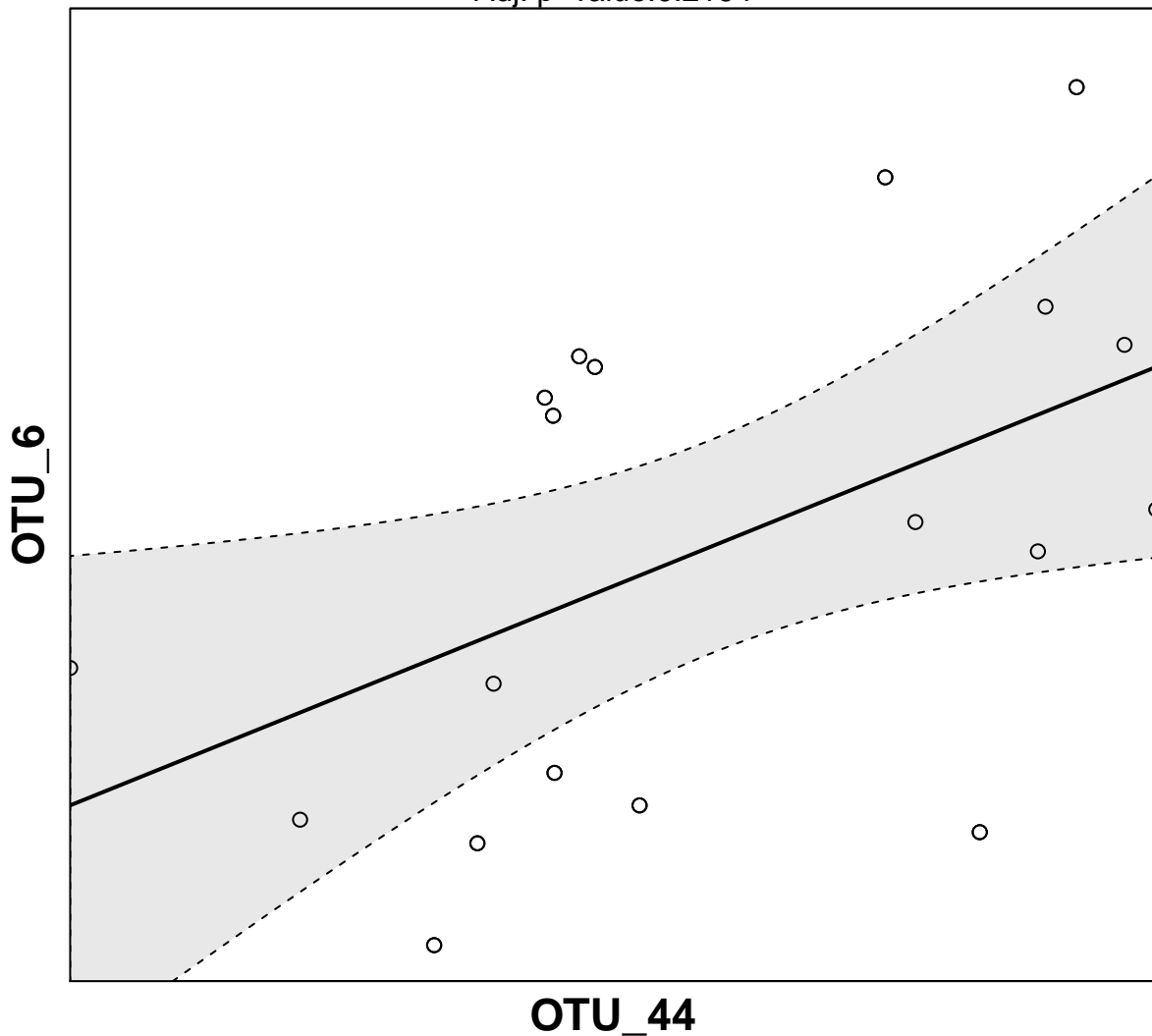
OTU_34

supported by 26 observations

Pearson's r:−0.5057
P−value:0.0084
Adj. p−value:0.1115

OTU_6

OTU_24

supported by 26 observations

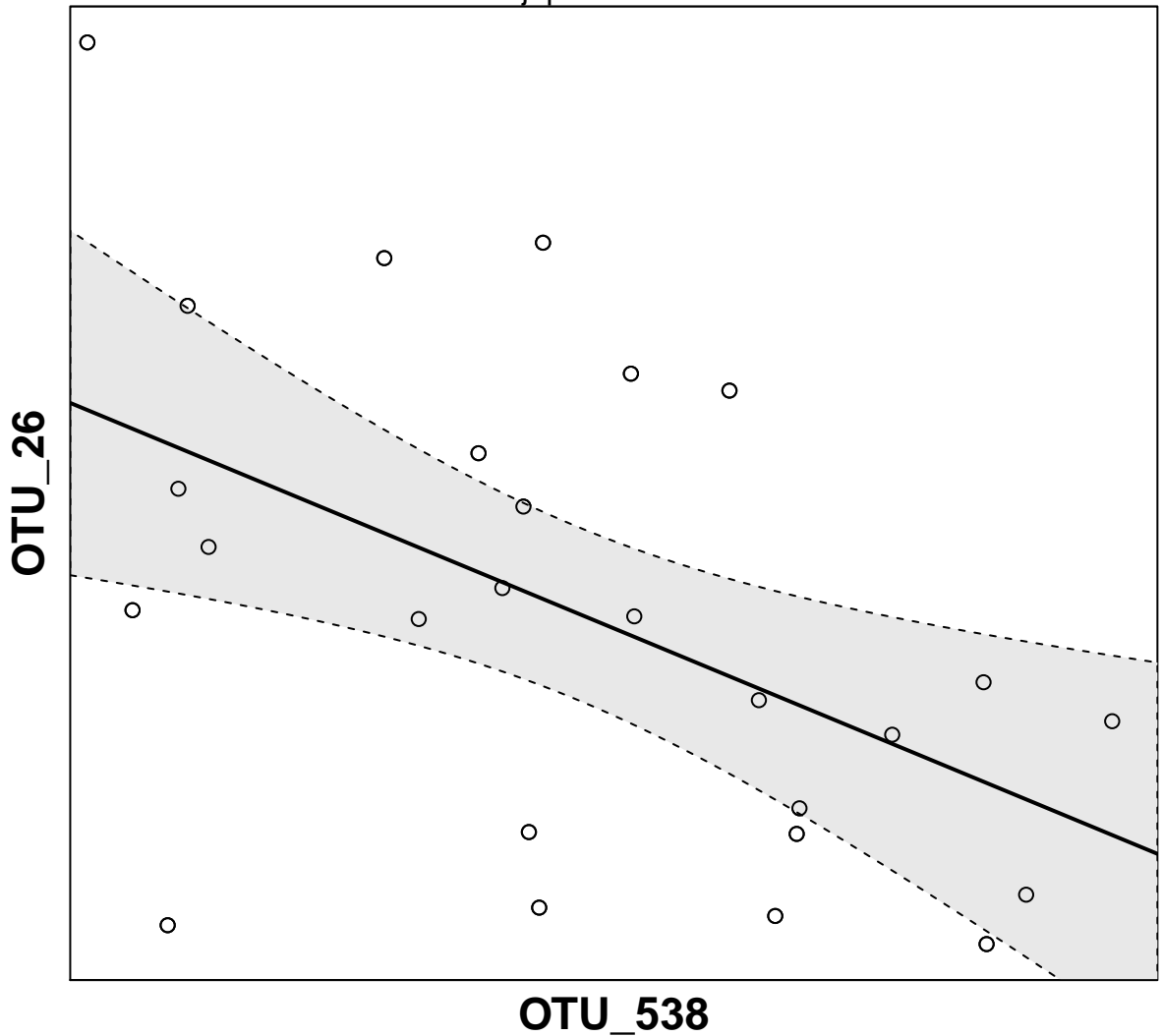Pearson's r:0.505
P-value:0.0274
Adj. p-value:0.2164

OTU_6

OTU_44

supported by 19 observations

Pearson's r:−0.511
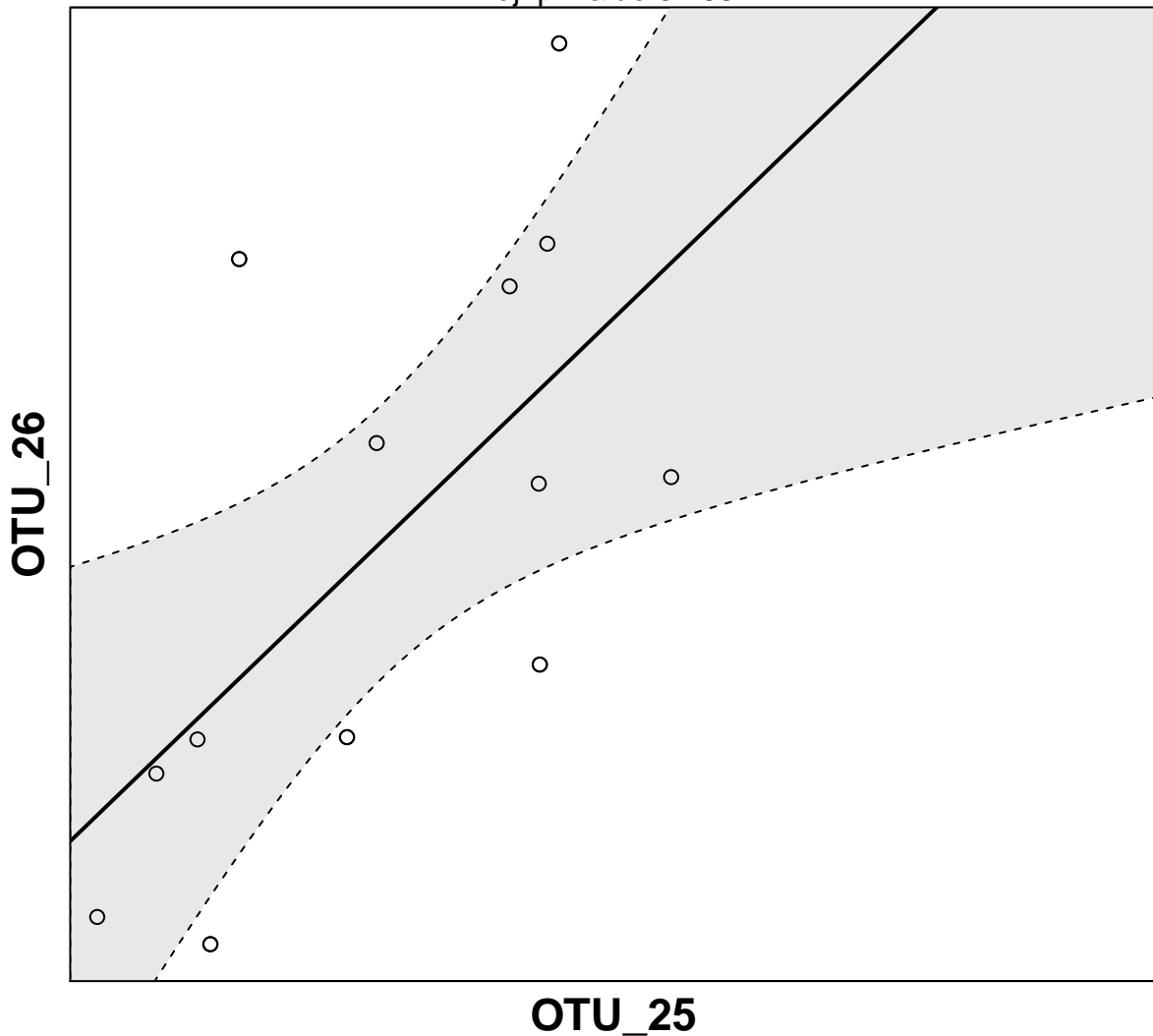P−value:0.0076
Adj. p−value:0.109

OTU_26

OTU_538

supported by 26 observations

Pearson's r:0.6444
P−value:0.0174
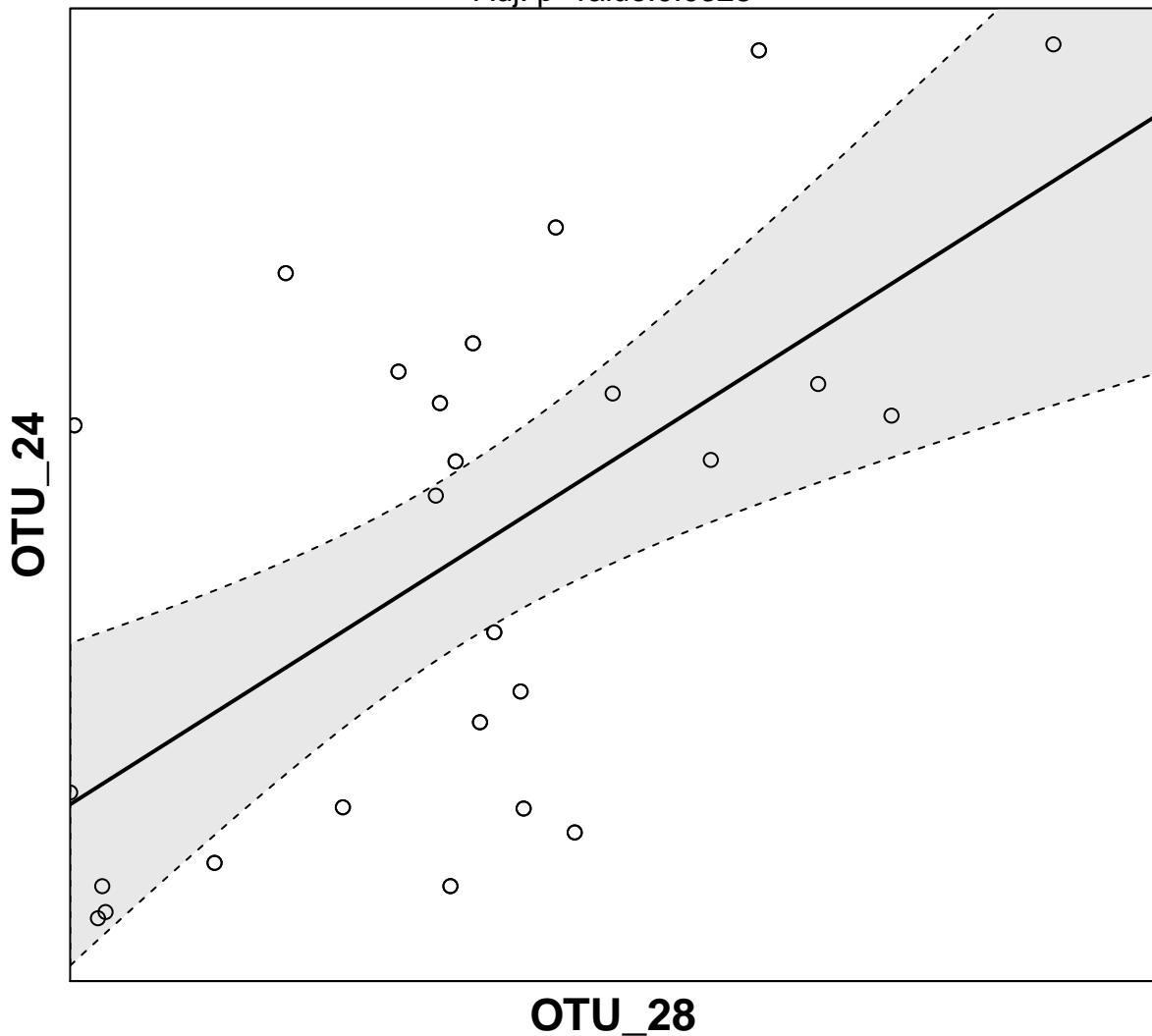Adj. p−value:0.1667

OTU_26

OTU_25

supported by 13 observations

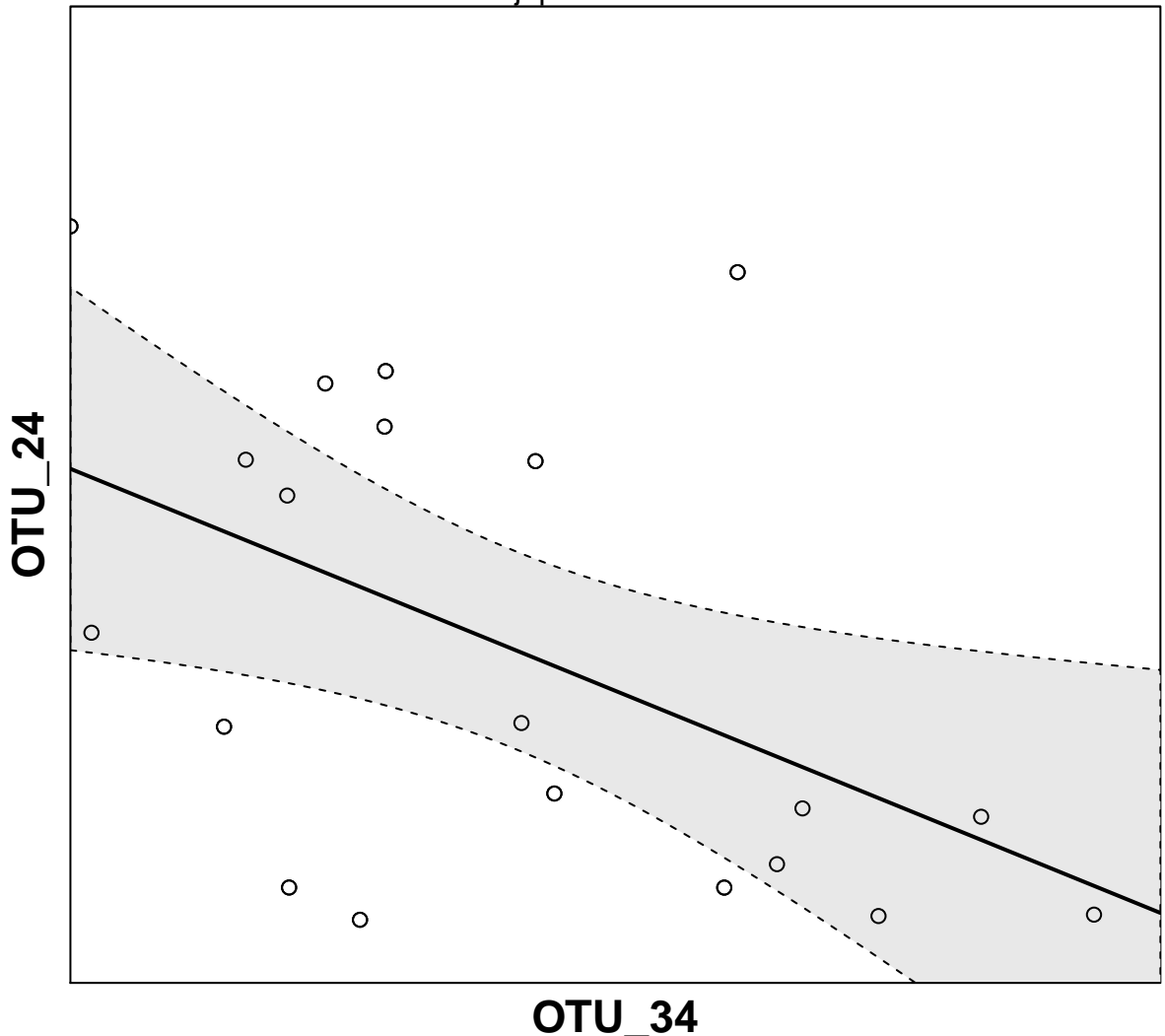Pearson's r:0.6097
P−value:9e−04
Adj. p−value:0.0328

OTU_24

OTU_28

supported by 26 observations

Pearson's r:−0.5069
P−value:0.0226
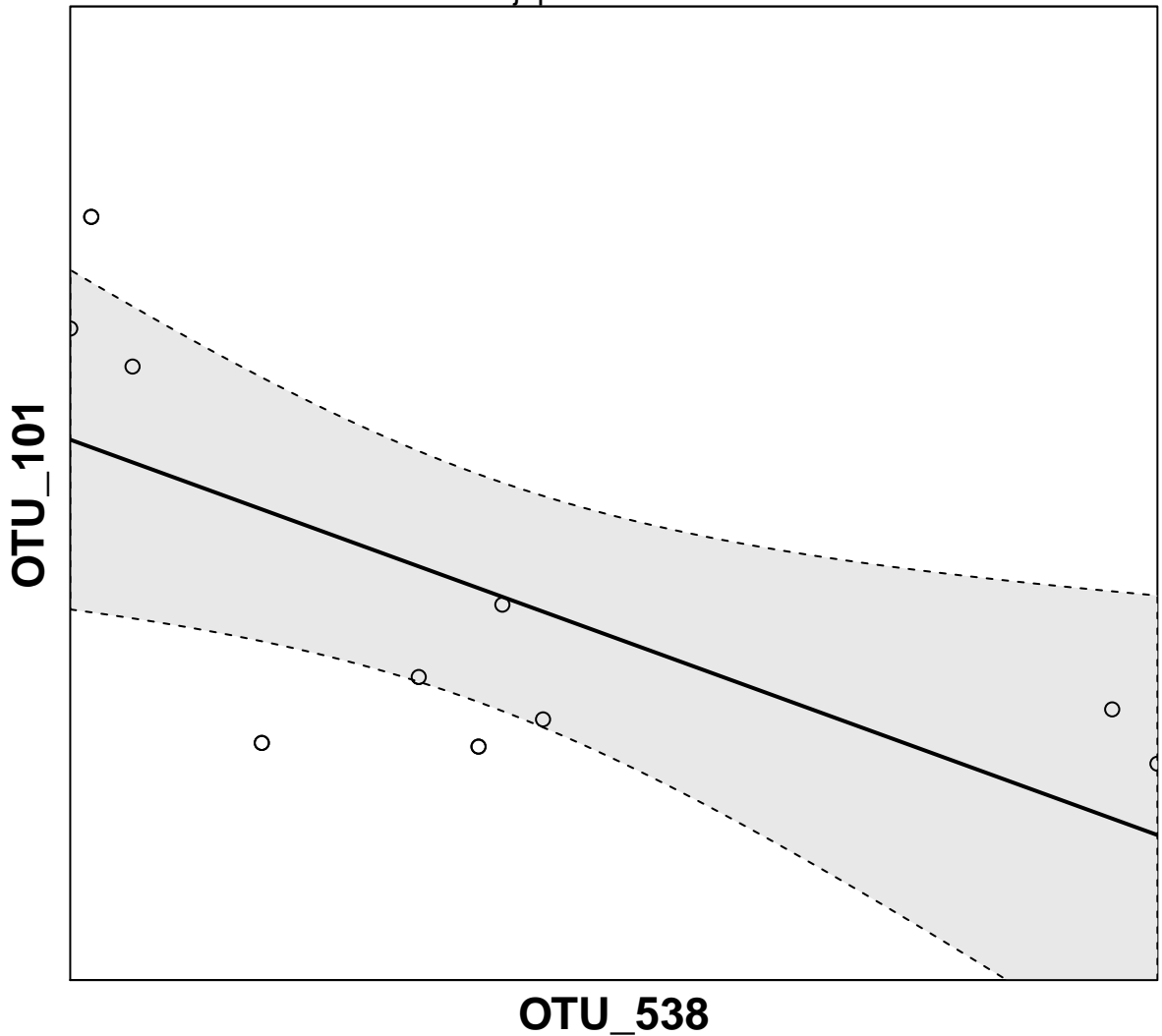Adj. p−value:0.1887

OTU_24
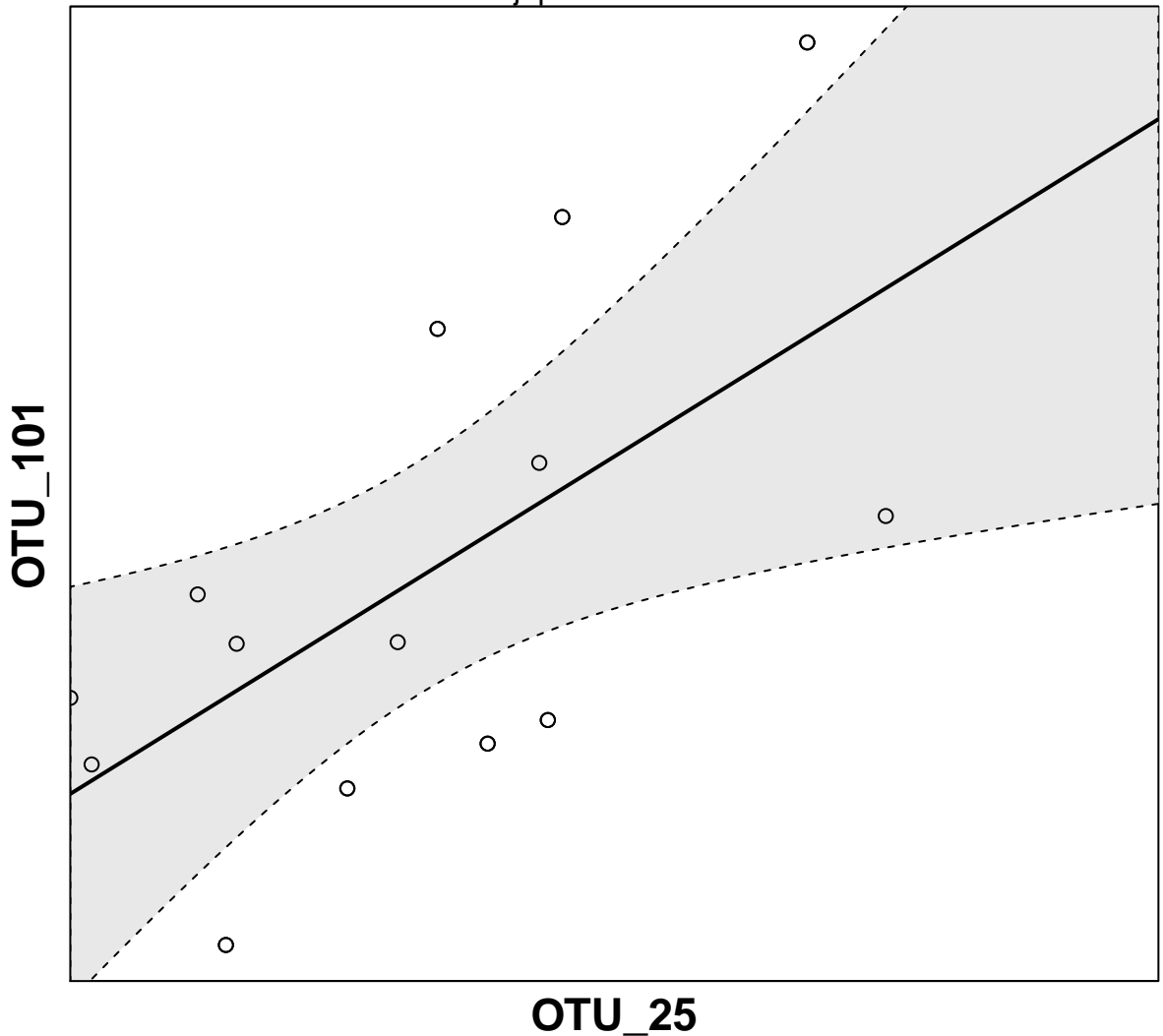
OTU_34

supported by 20 observations

Pearson's r:−0.6917
P−value:0.0267
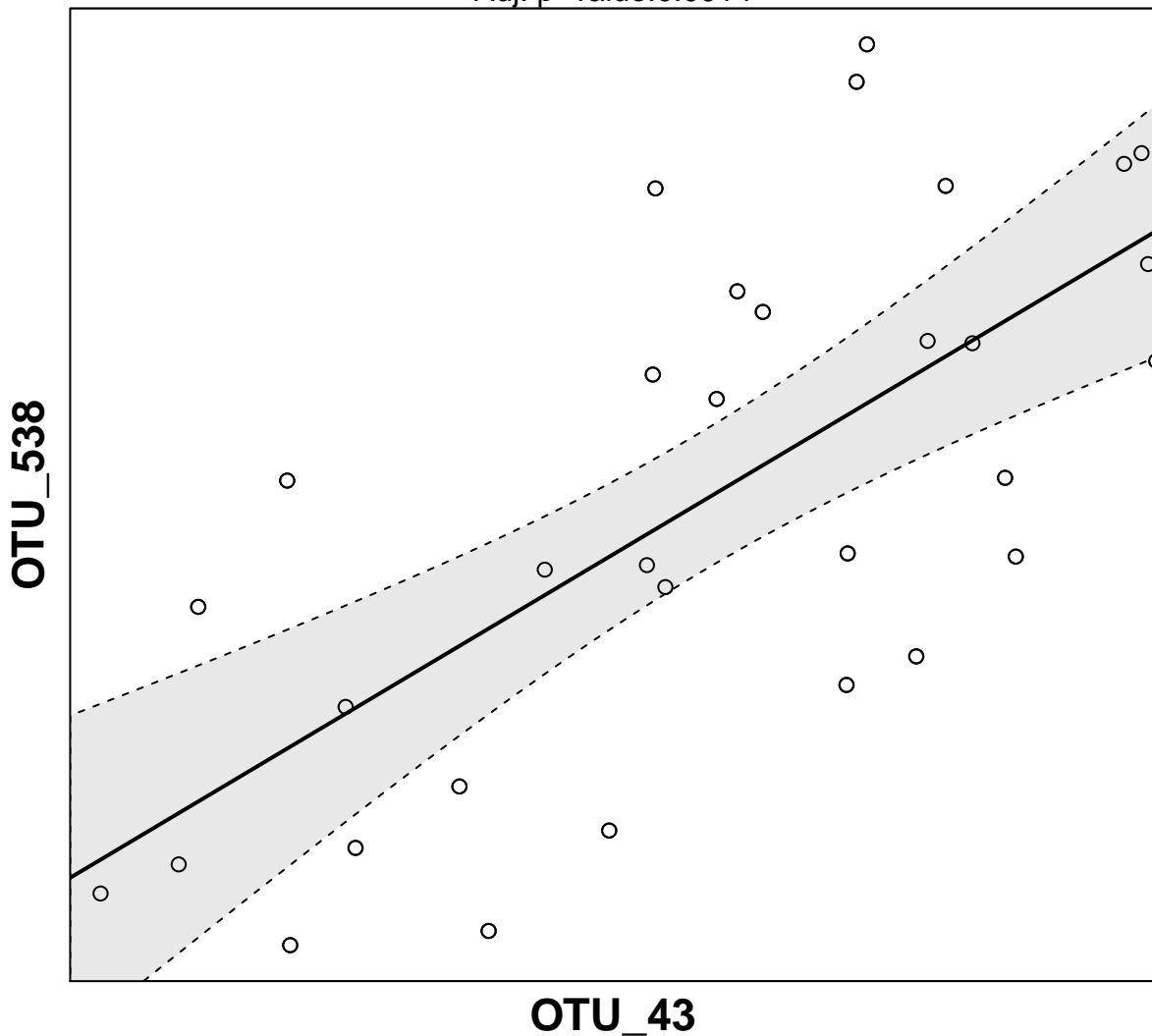Adj. p−value:0.2121

OTU_101

OTU_538

supported by 10 observations

Pearson's r:0.6195
P−value:0.0181
Adj. p−value:0.1704

OTU_101

OTU_25

supported by 14 observations
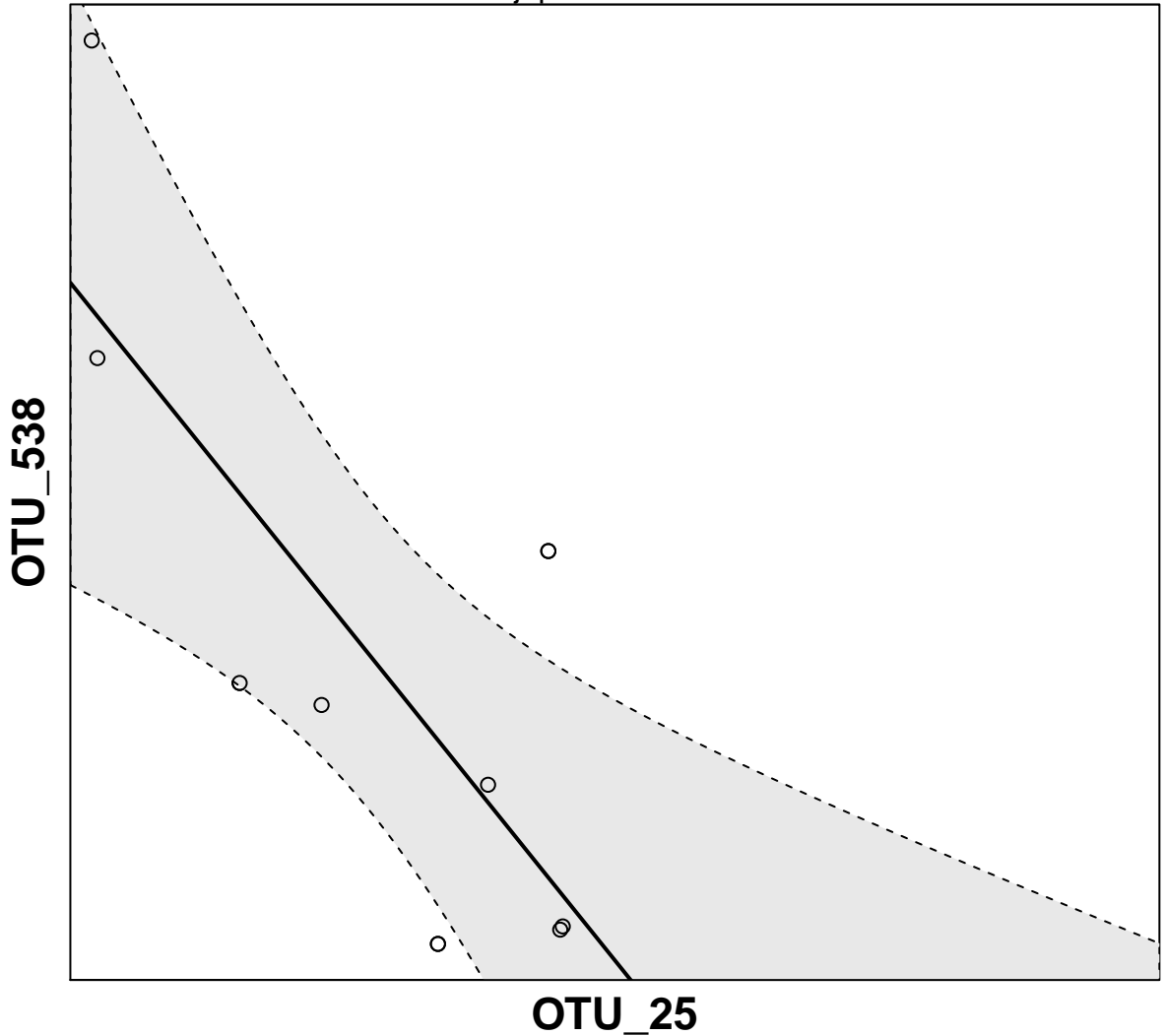
Pearson's r:0.6921
P−value:0
Adj. p−value:0.0014

OTU_538

OTU_43

supported by 32 observations

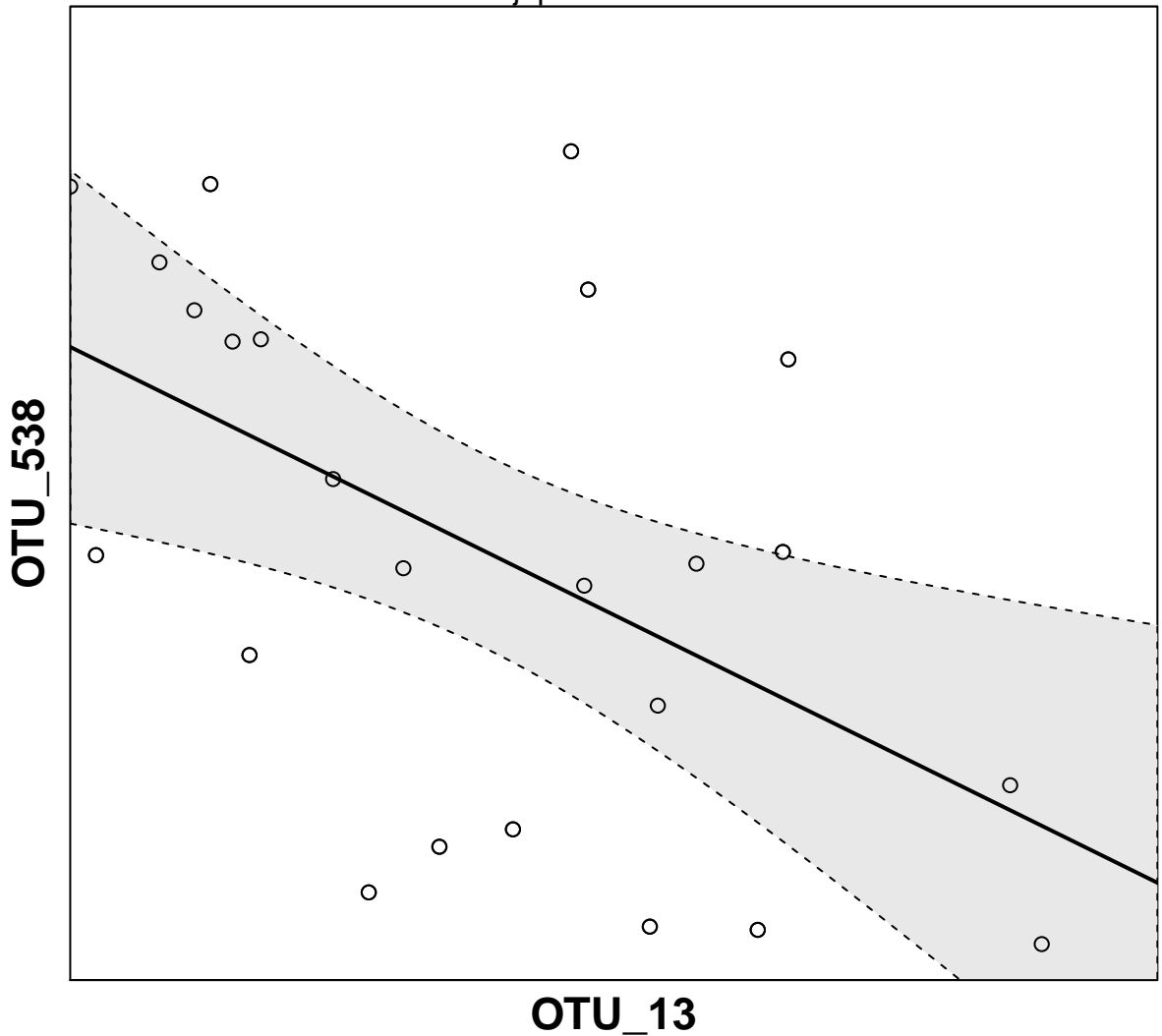Pearson's r:−0.7912
P−value:0.0111
Adj. p−value:0.1289

OTU_538

OTU_25

supported by 9 observations

Pearson's r:−0.5225
P−value:0.0088
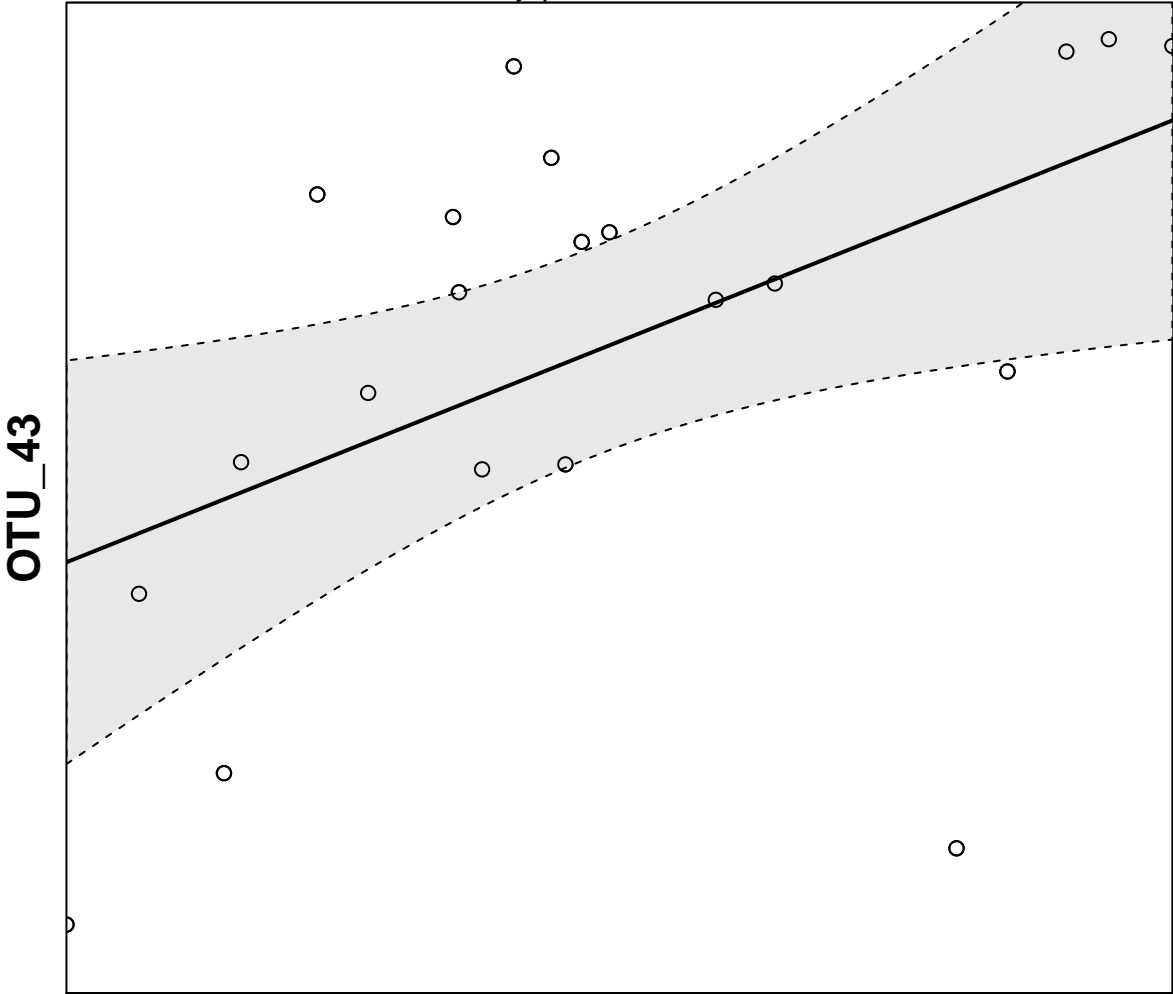Adj. p−value:0.1133

OTU_538

OTU_13

supported by 24 observations

Pearson's r:0.5024
P−value:0.0203
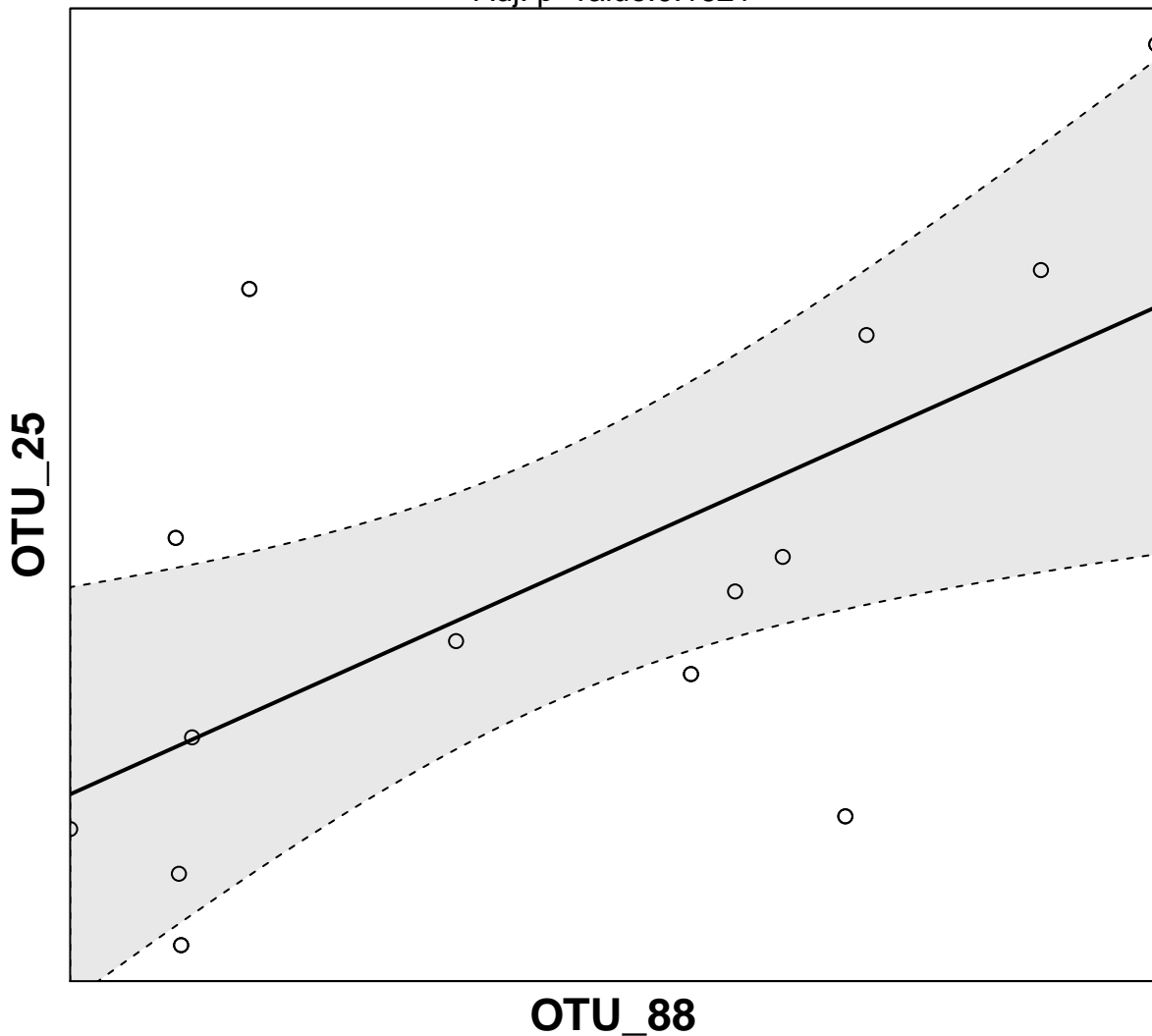Adj. p−value:0.1791

OTU_43

OTU_93

supported by 21 observations

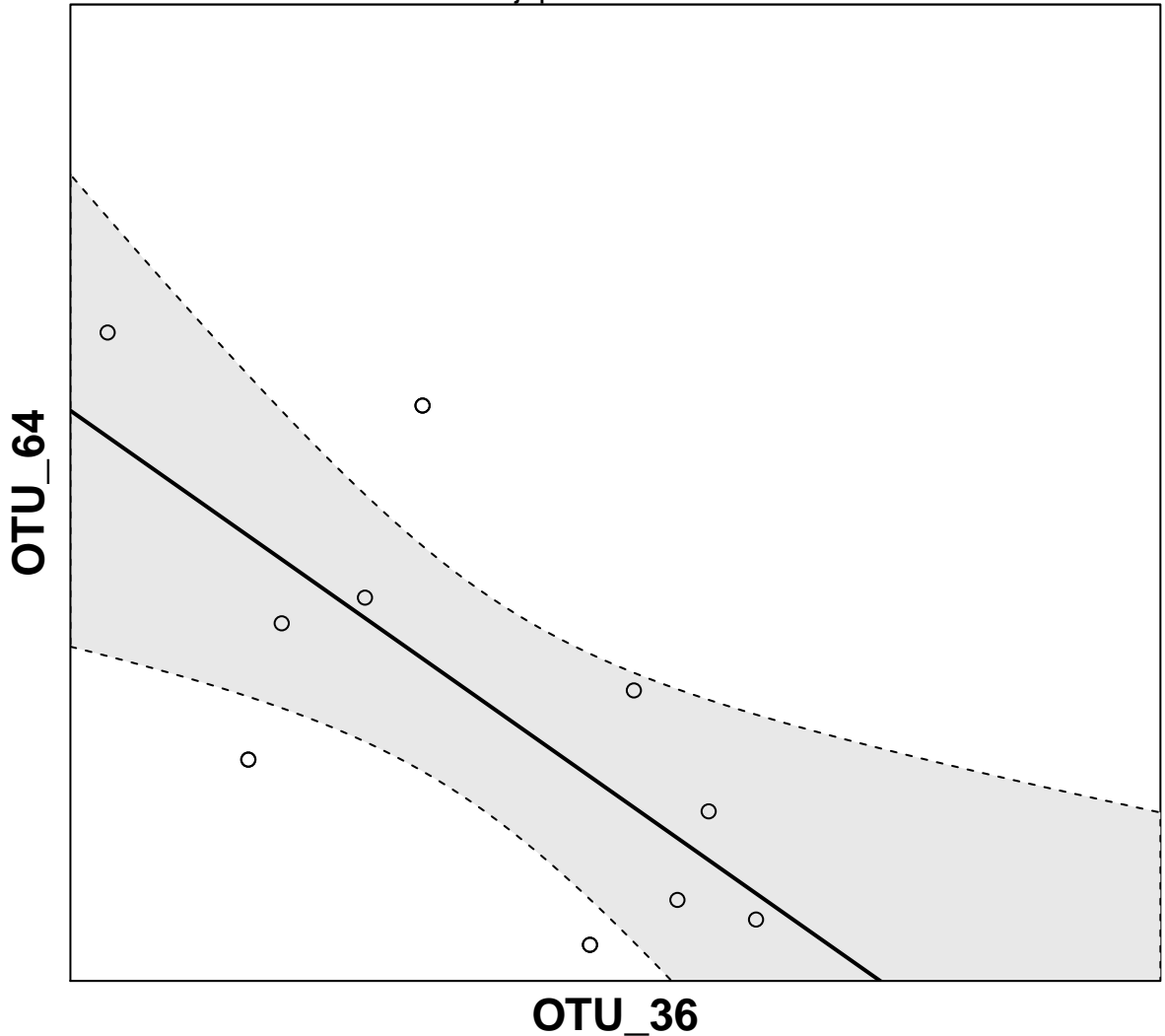Pearson's r:0.6284
P−value:0.0161
Adj. p−value:0.1621

OTU_25
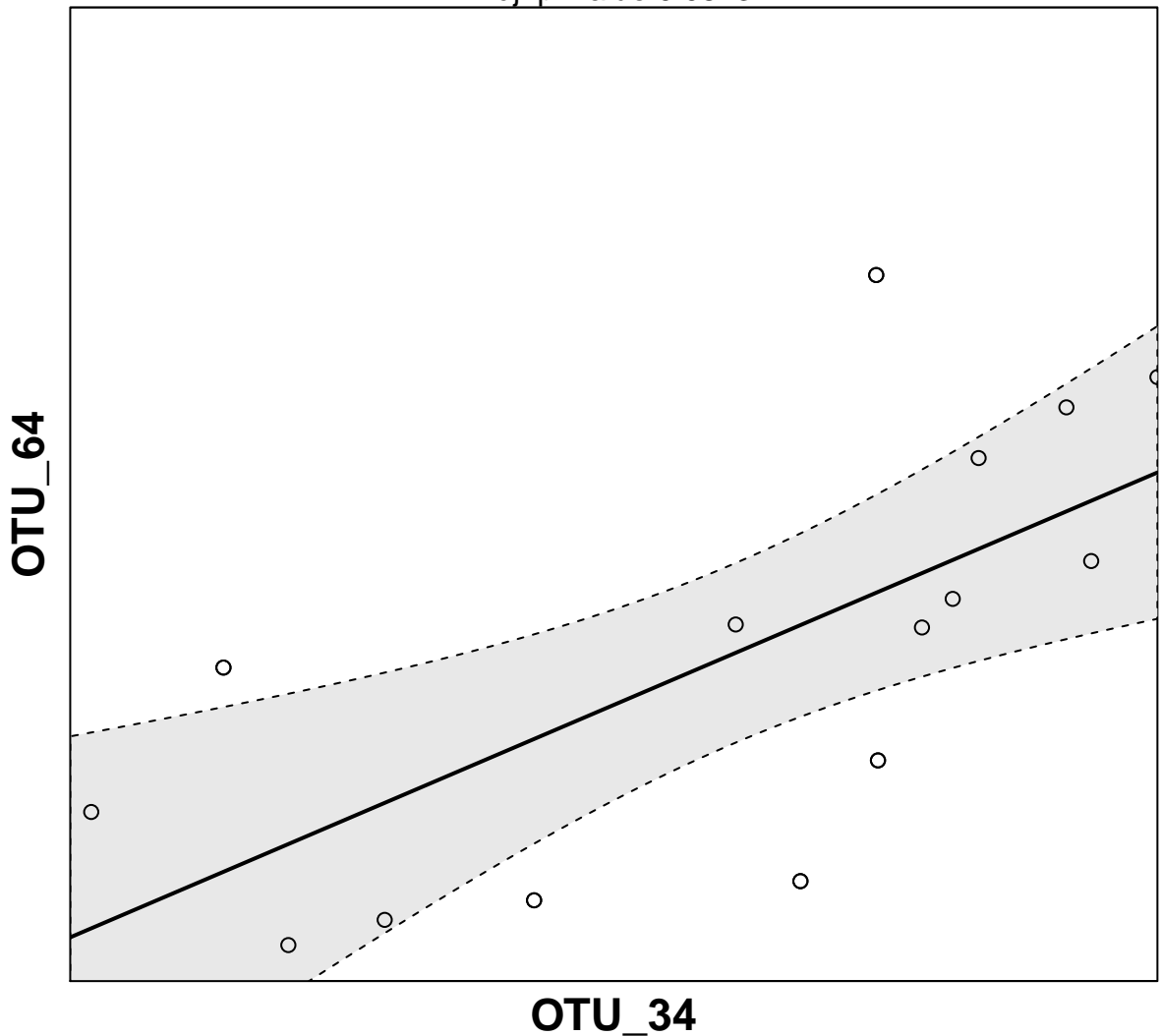
OTU_88

supported by 14 observations

Pearson's r:−0.7461
P−value:0.0132
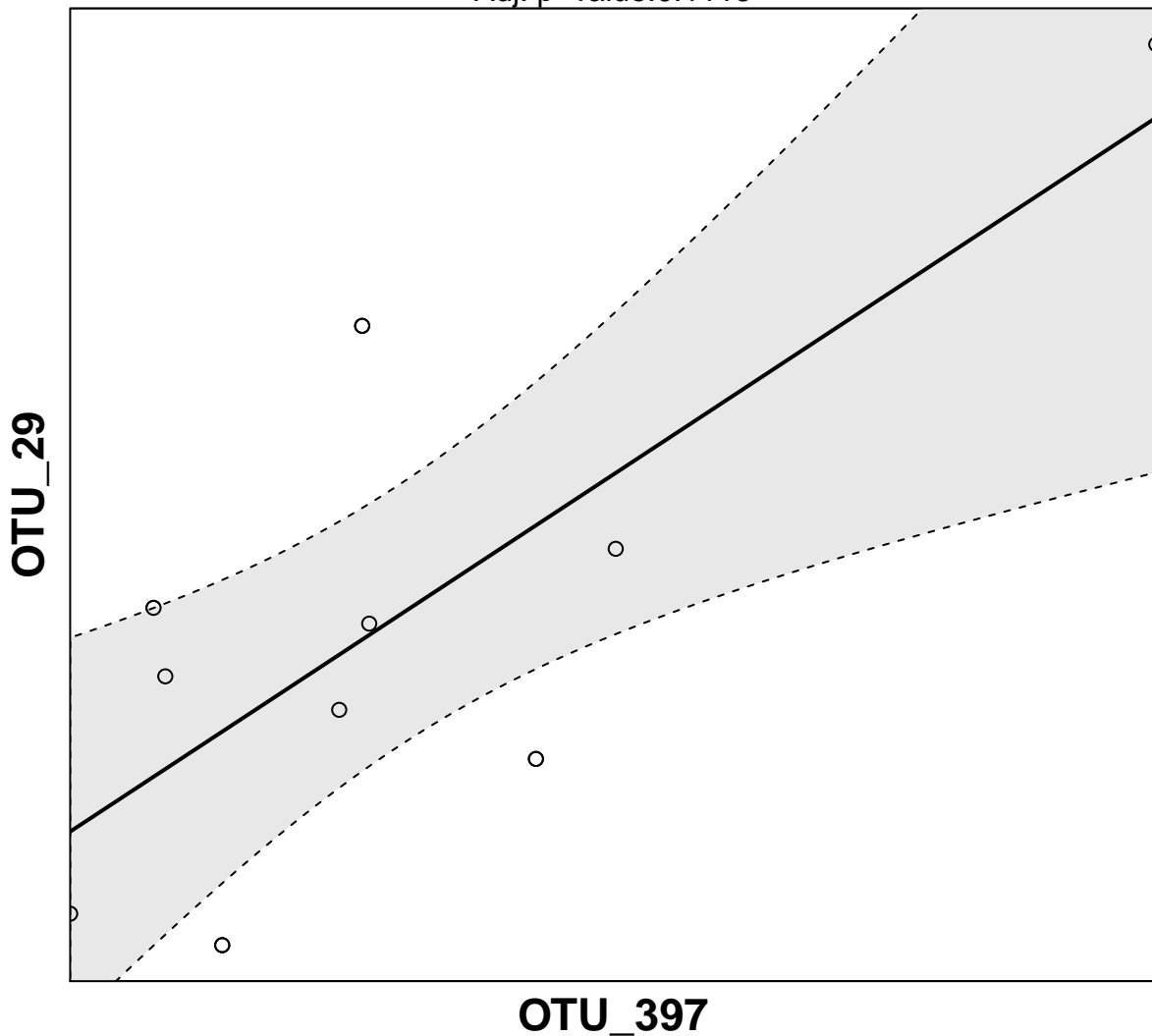Adj. p−value:0.1459

OTU_64

OTU_36

supported by 10 observations

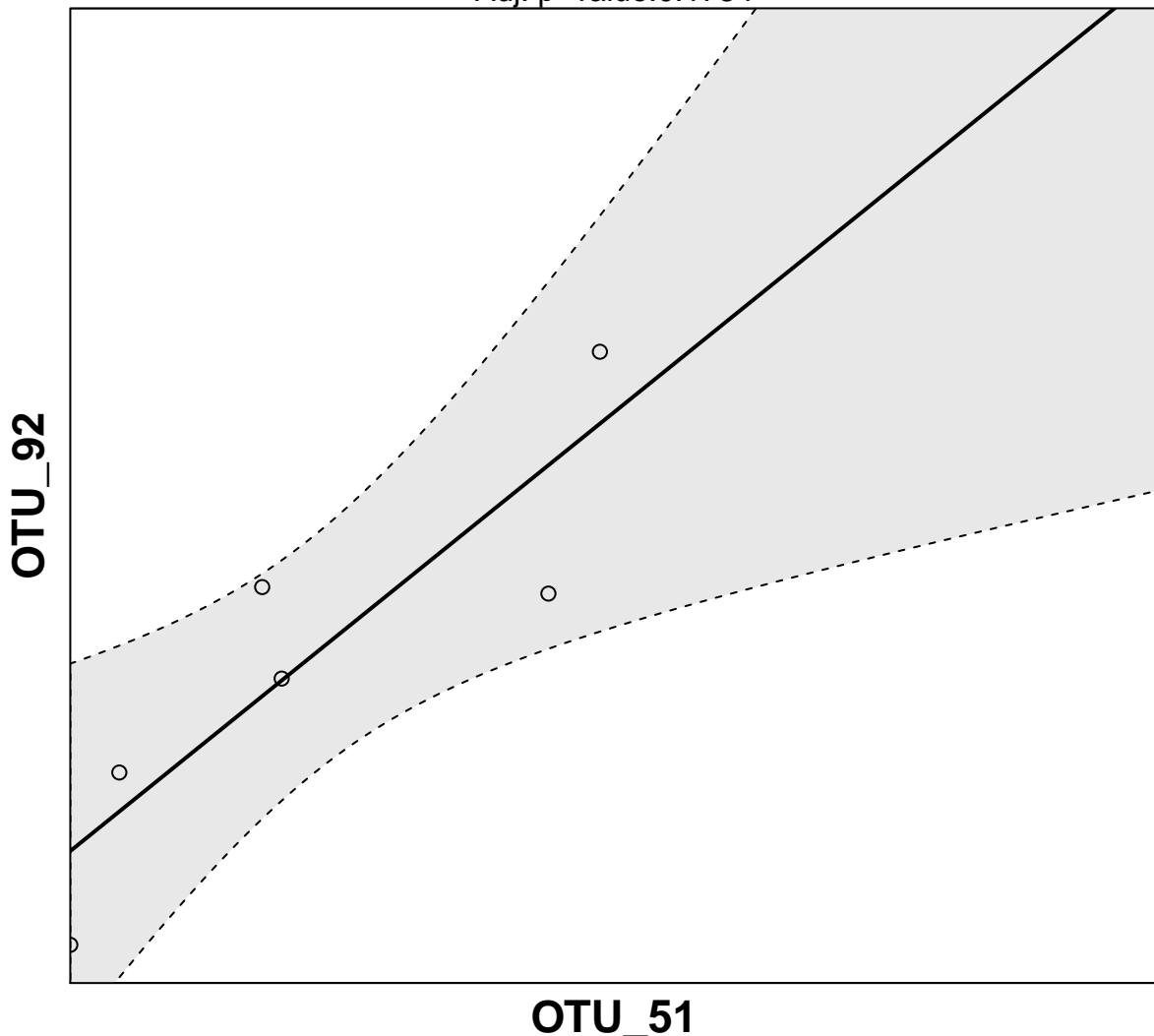Pearson's r:0.6861
P−value:0.0047
Adj. p−value:0.0823

OTU_64

OTU_34

supported by 15 observations

Pearson's r:0.776
P−value:0.0083
Adj. p−value:0.1115

OTU_29

OTU_397

supported by 10 observations

Pearson's r:0.8827
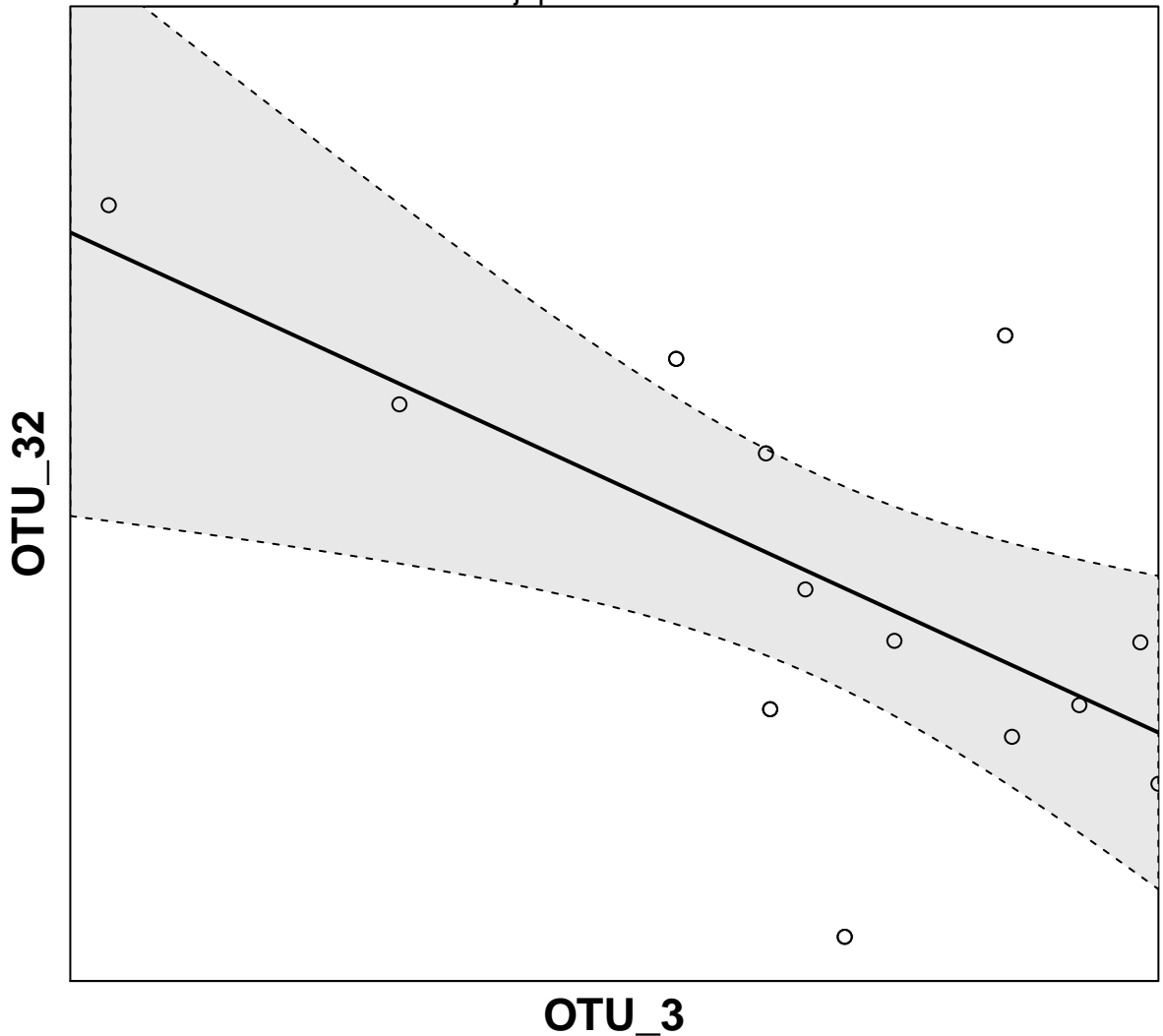P−value:0.0198
Adj. p−value:0.1784

OTU_92

OTU_51

supported by 6 observations
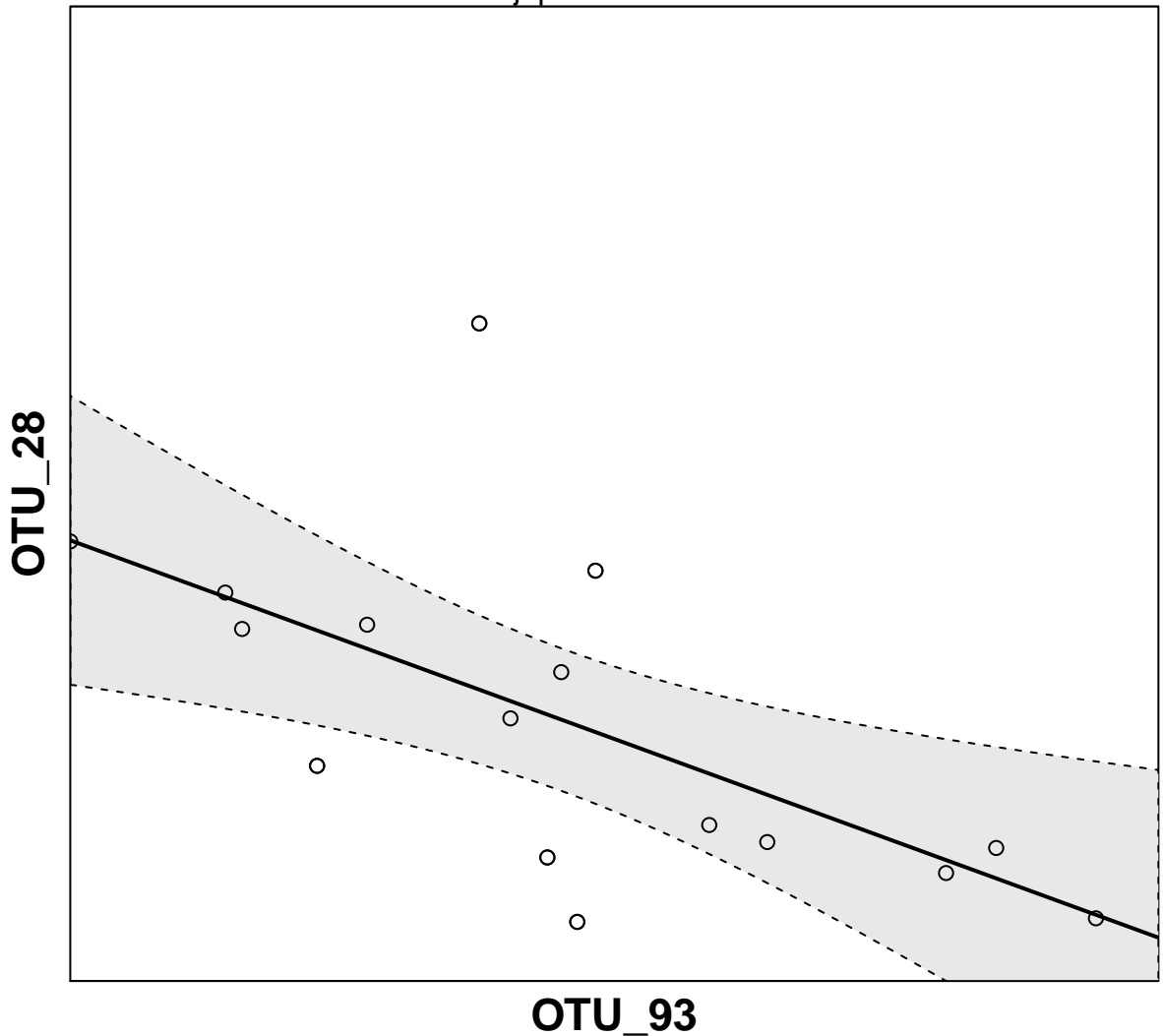
Pearson's r:−0.6536
P−value:0.0154
Adj. p−value:0.1601

OTU_32

OTU_3

supported by 13 observations

Pearson's r:−0.6347
P−value:0.0083
Adj. p−value:0.1115

OTU_28

OTU_93

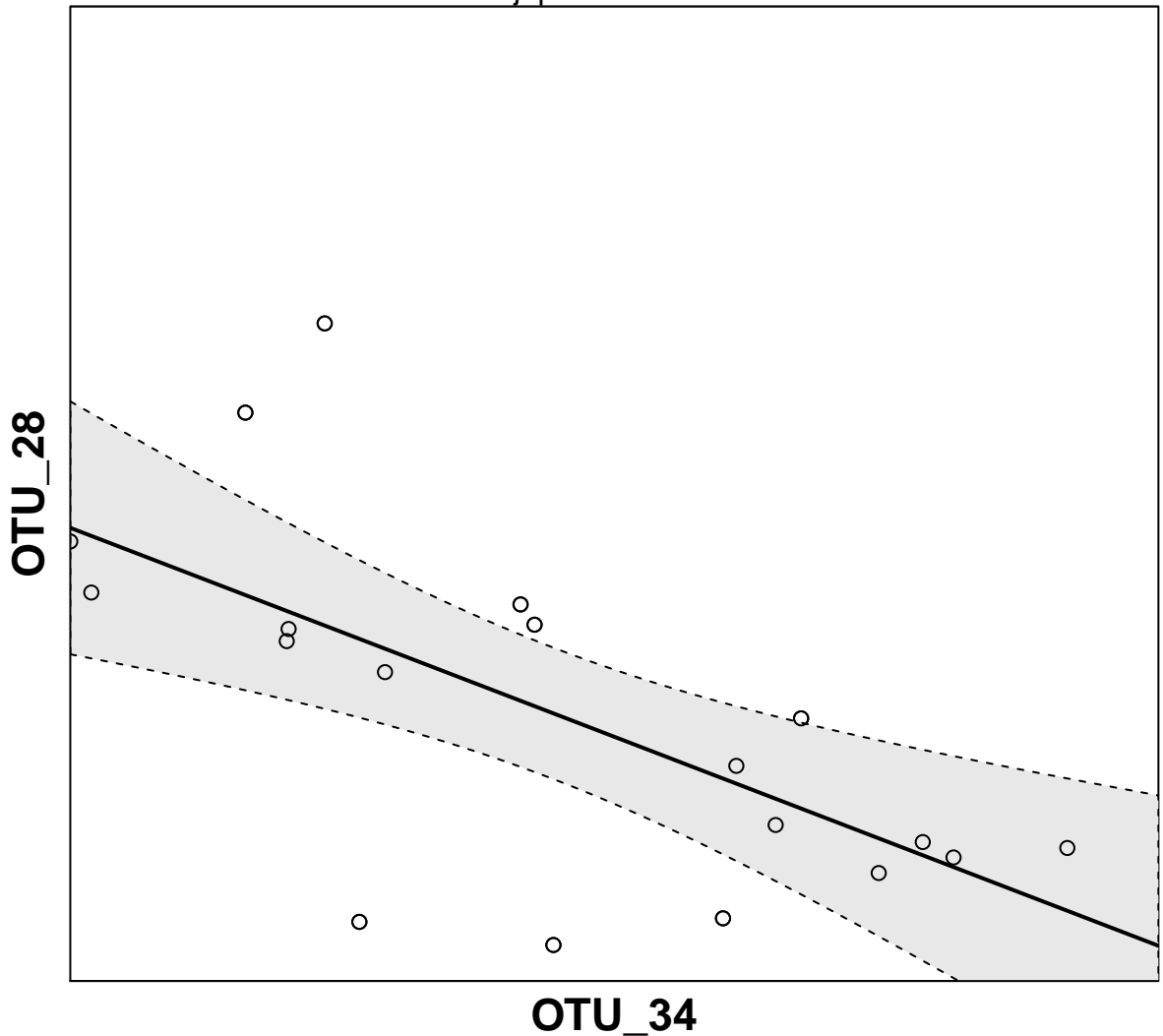supported by 16 observations

Pearson's r:−0.6603
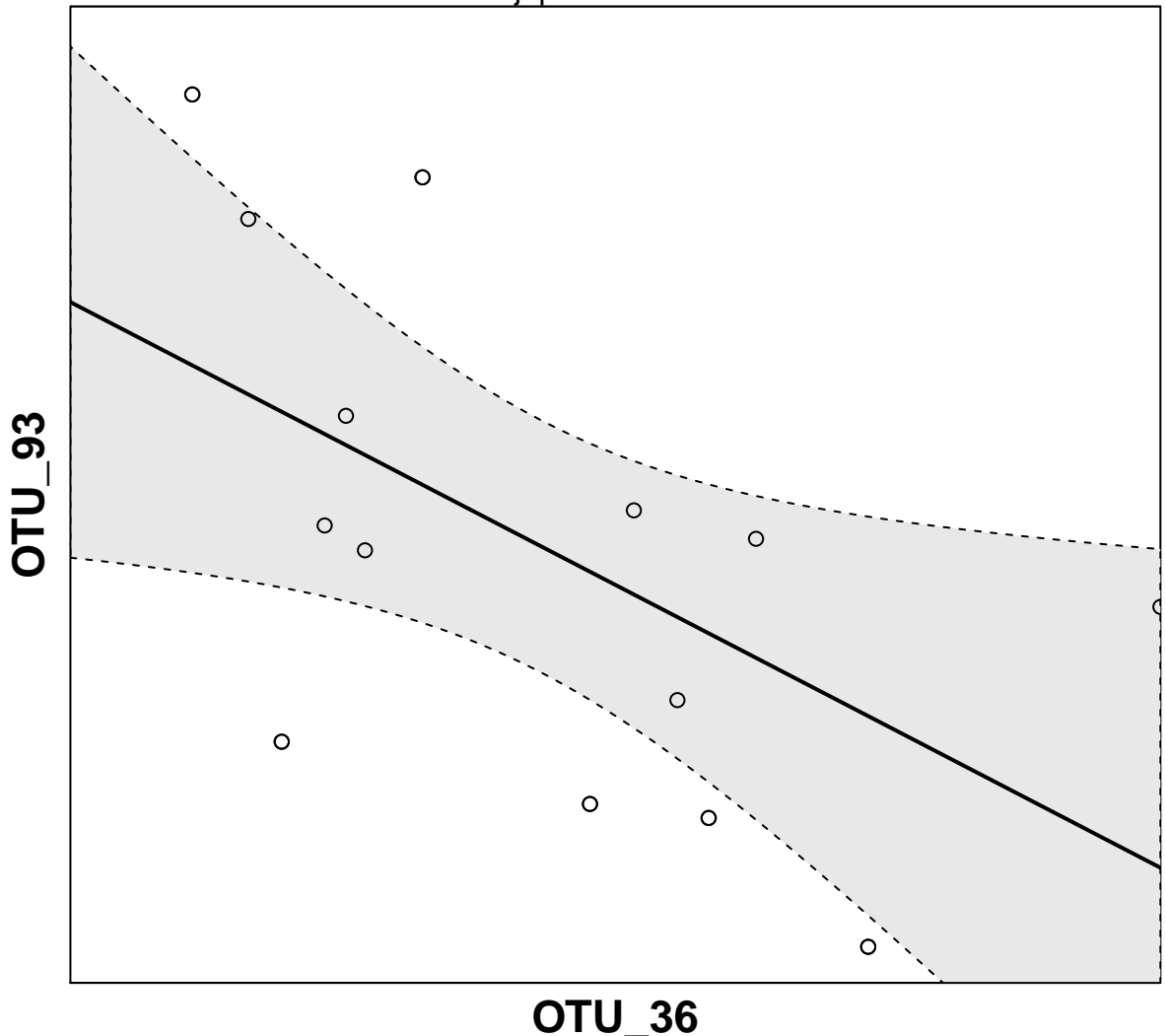P−value:0.0021
Adj. p−value:0.0542

OTU_28

OTU_34

supported by 19 observations

Pearson's r:−0.5685
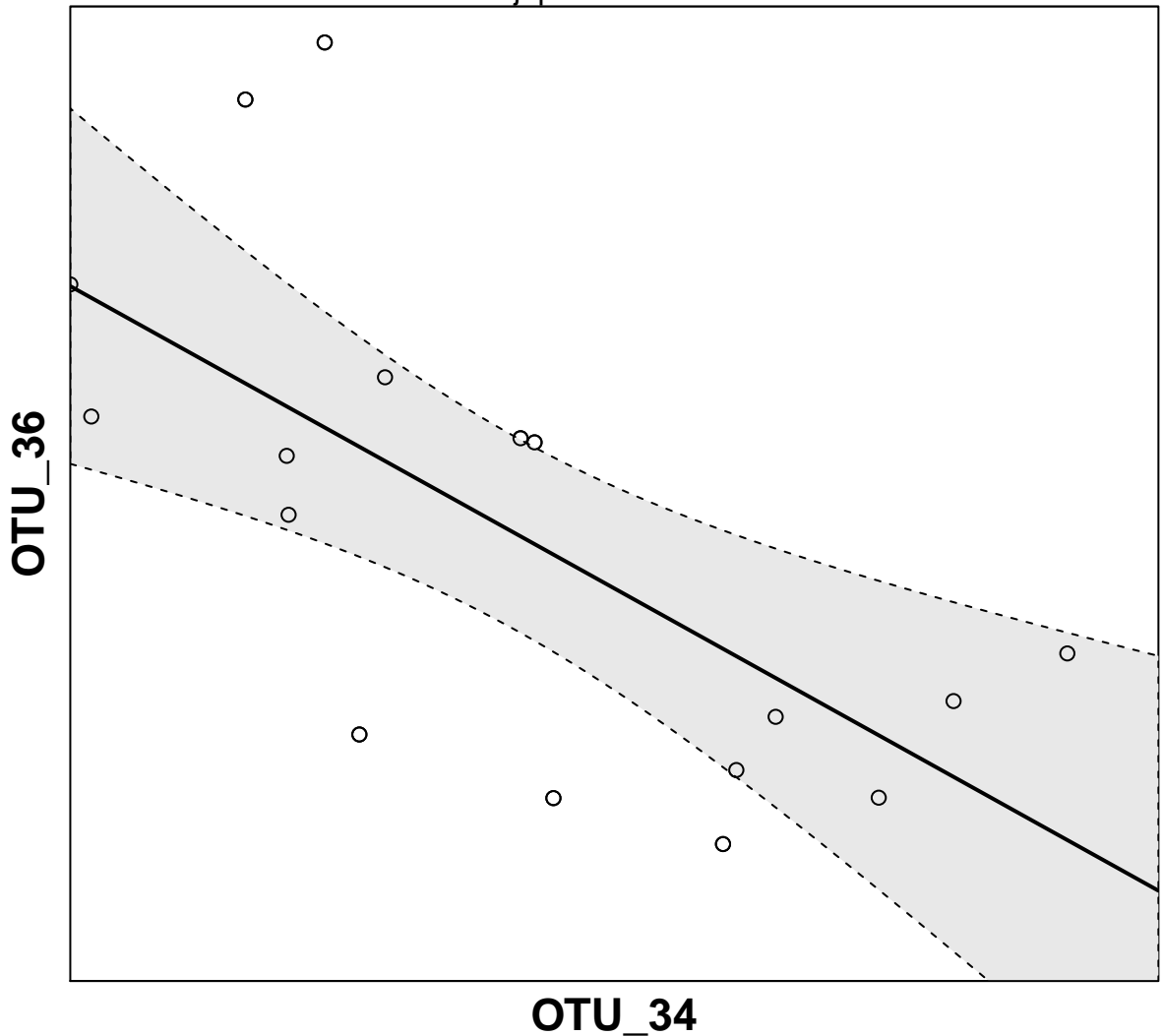P−value:0.0339
Adj. p−value:0.2455

OTU_93

OTU_36

supported by 14 observations
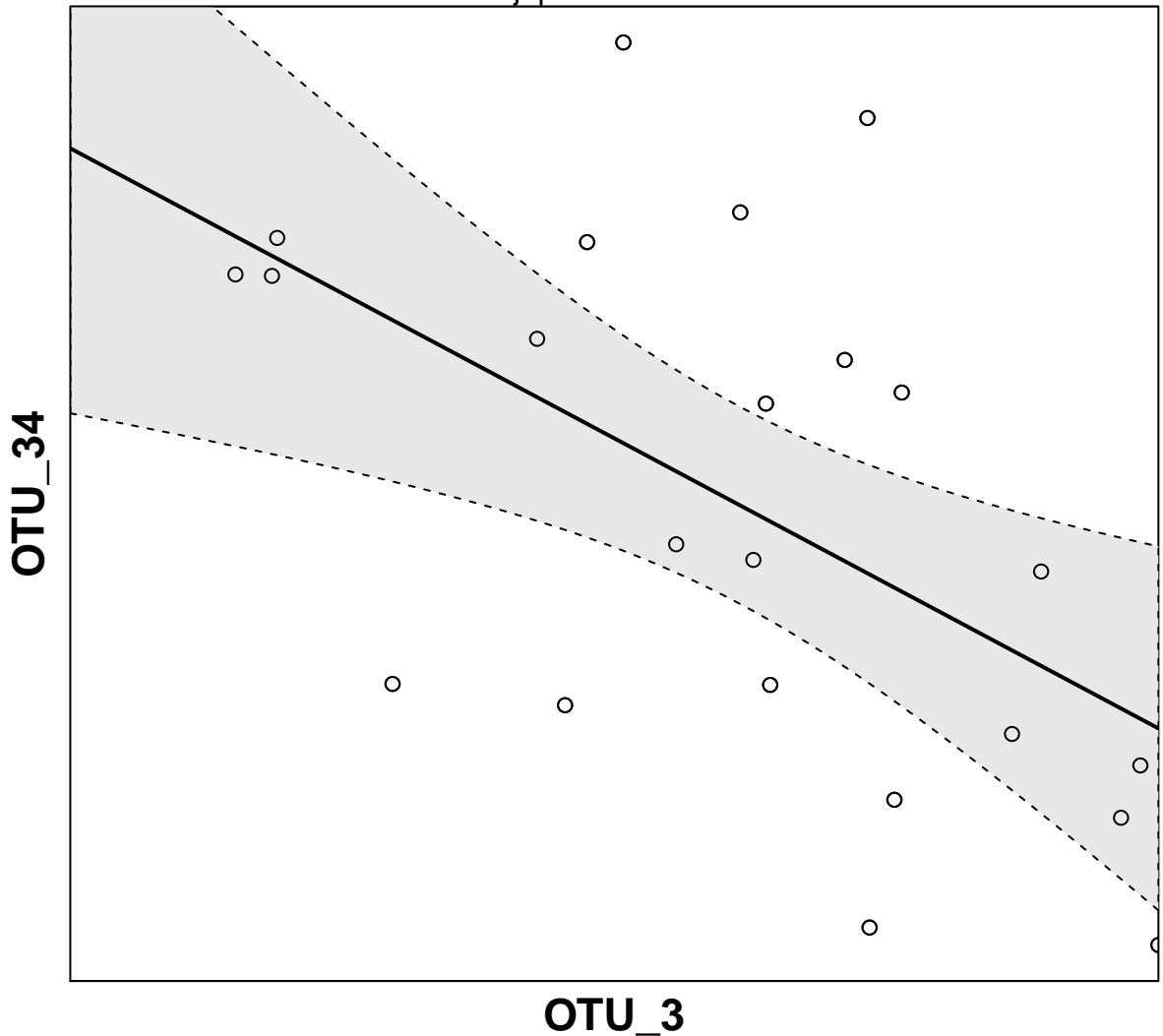
Pearson's r:−0.6755
P−value:0.0029
Adj. p−value:0.0657

OTU_36

OTU_34

supported by 17 observations
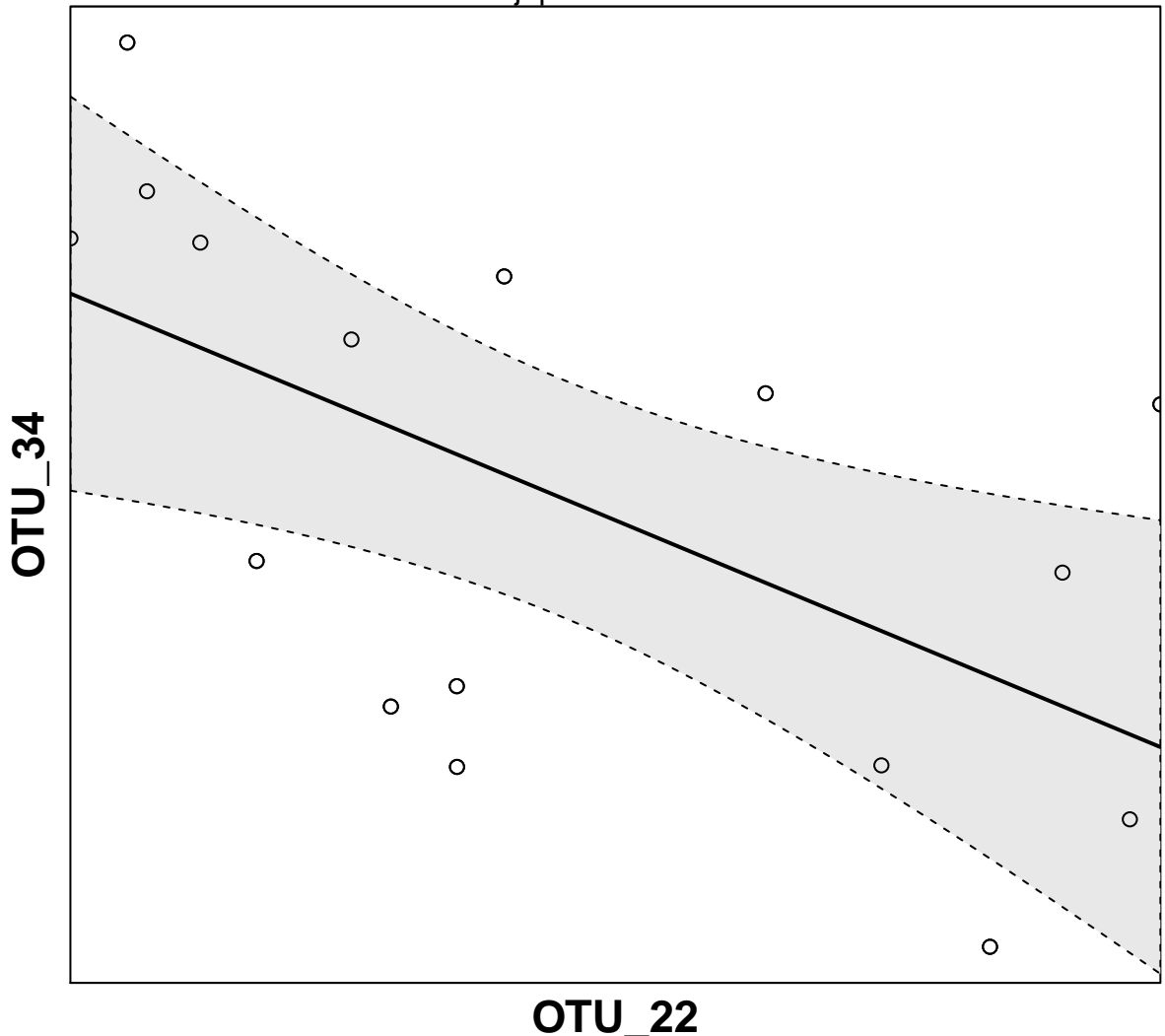
Pearson's r:−0.5507
P−value:0.0065
Adj. p−value:0.0943

OTU_34

OTU_3

supported by 23 observations

Pearson's r:−0.5957
P−value:0.0149
Adj. p−value:0.1572

OTU_34

OTU_22

supported by 16 observations

Pearson's r:0.627
P−value:0.0054
Adj. p−value:0.0841

OTU_3

OTU_22

supported by 18 observations