

Part 3: Kraken2 Statistics – Neg_Control_W

The Kraken2 results for sample Neg_Control_W:

– Using Non-human sample results

Key findings:

– Number of species found before secondary filtering: 281

– Number of species found after secondary filtering: 28

Top species in this sample:

Sphingomonas paucimobilis: 163398

Escherichia coli: 6996

Severe acute respiratory syndrome-related coronavirus: 6176

Sphingomonas panni: 3654

Sphingobium cloacae: 2049

Sphingobium xenophagum: 1405

Sphingomonas hankookensis: 676

Klebsiella pneumoniae: 543

Sphingomonas sanxanigenens: 499

Sphingobium amiense: 461

Sphingobium yanoikuyae: 430

Sphingomonas melonis: 376

Sphingomonas aliaeris: 310

Sphingomonas sp. AAP5: 250

Salmonella enterica: 193

Novosphingobium olei: 184

Sphingopyxis macrogoltabida: 133

Sphingomonas parapaucimobilis: 118

Staphylococcus epidermidis: 96

Cupriavidus metallidurans: 90

Herbaspirillum huttiense: 76

Elizabethkingia anophelis: 72

Acinetobacter bereziniae: 51

Cutibacterium acnes: 44

Elizabethkingia miricola: 41

Species per Kingdom – Neg_Control_W

Total species: 27

Kingdom

Pseudomonadati

n=23

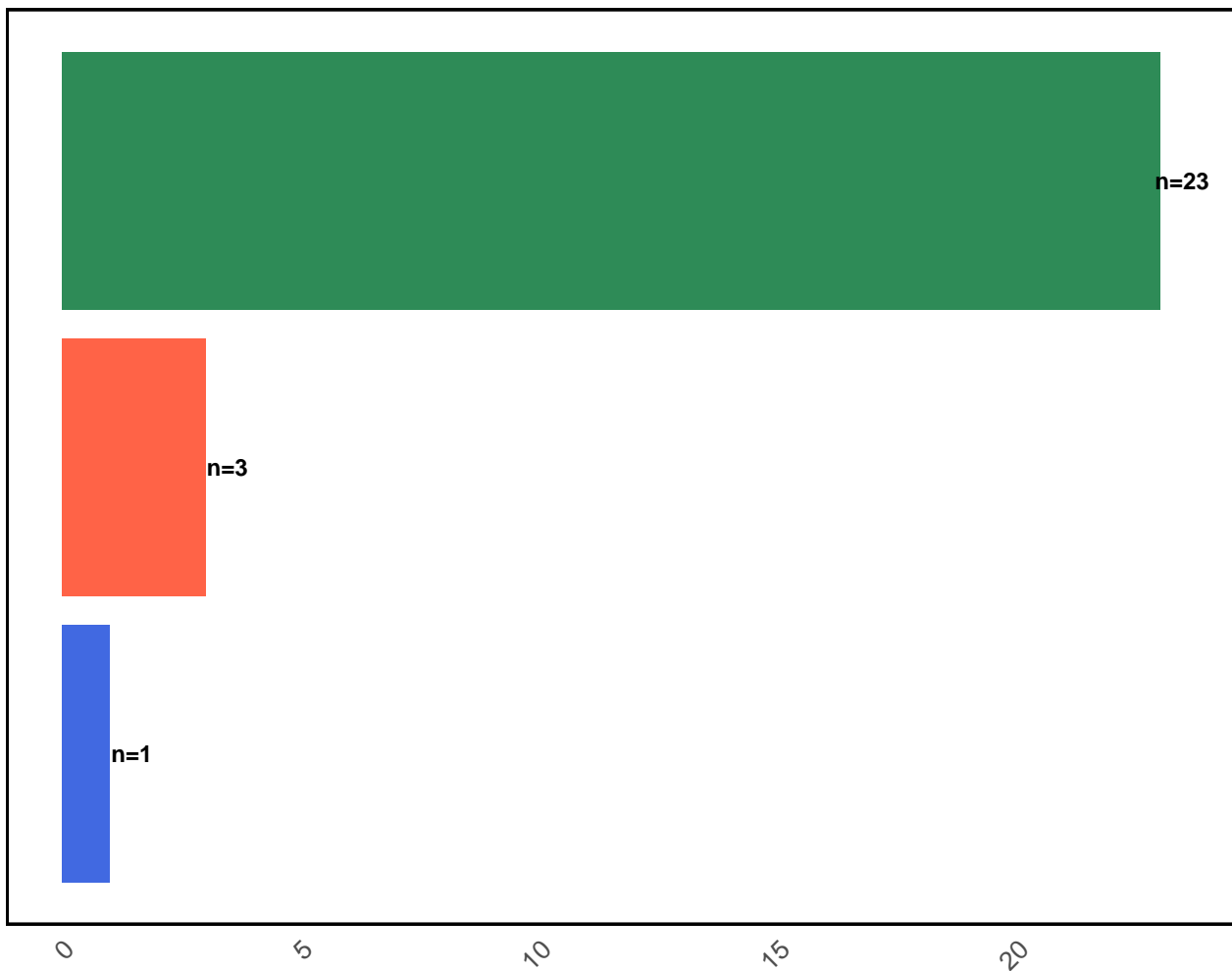
Bacillati

n=3

Orthornavirae

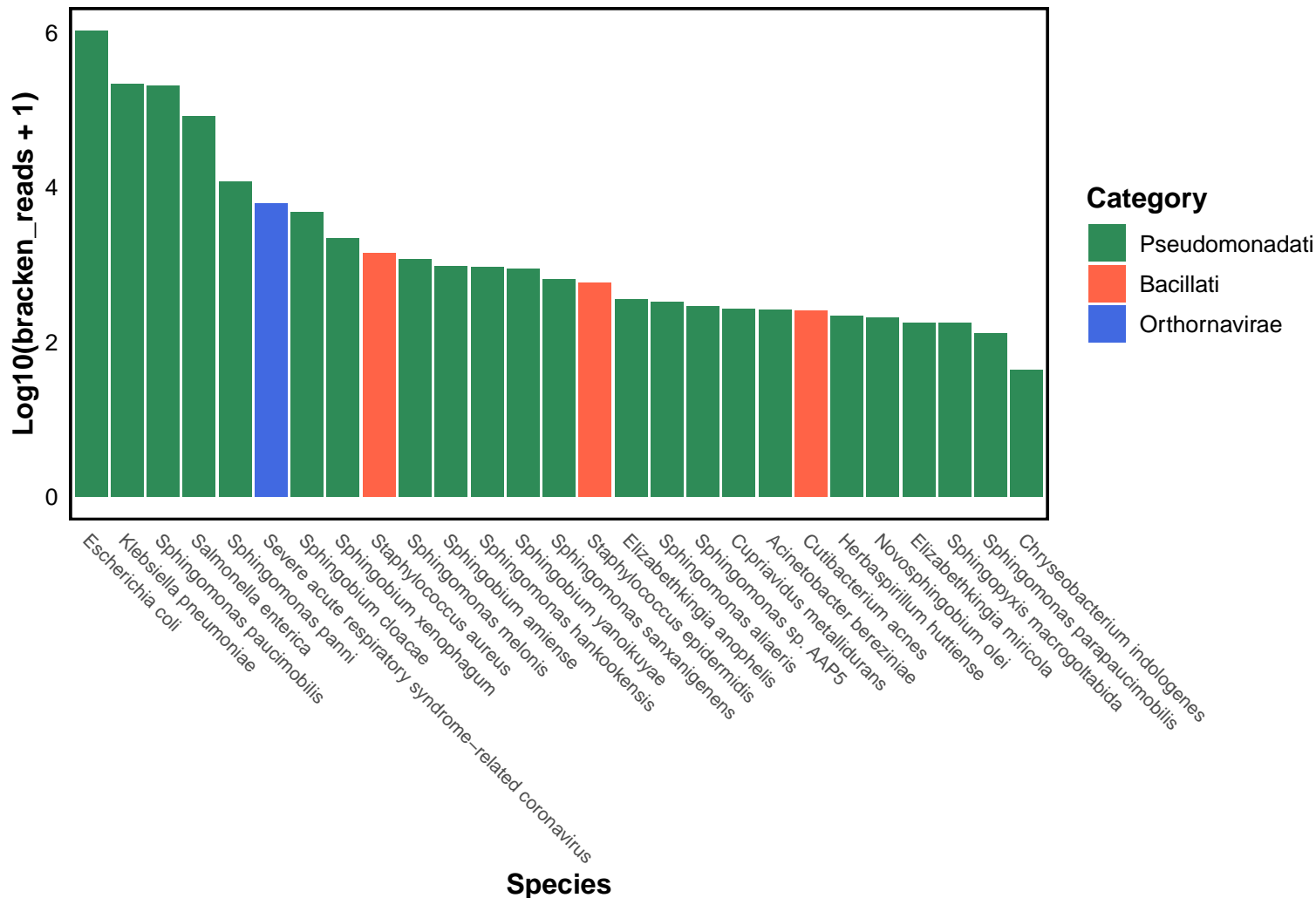
n=1

Number of Species



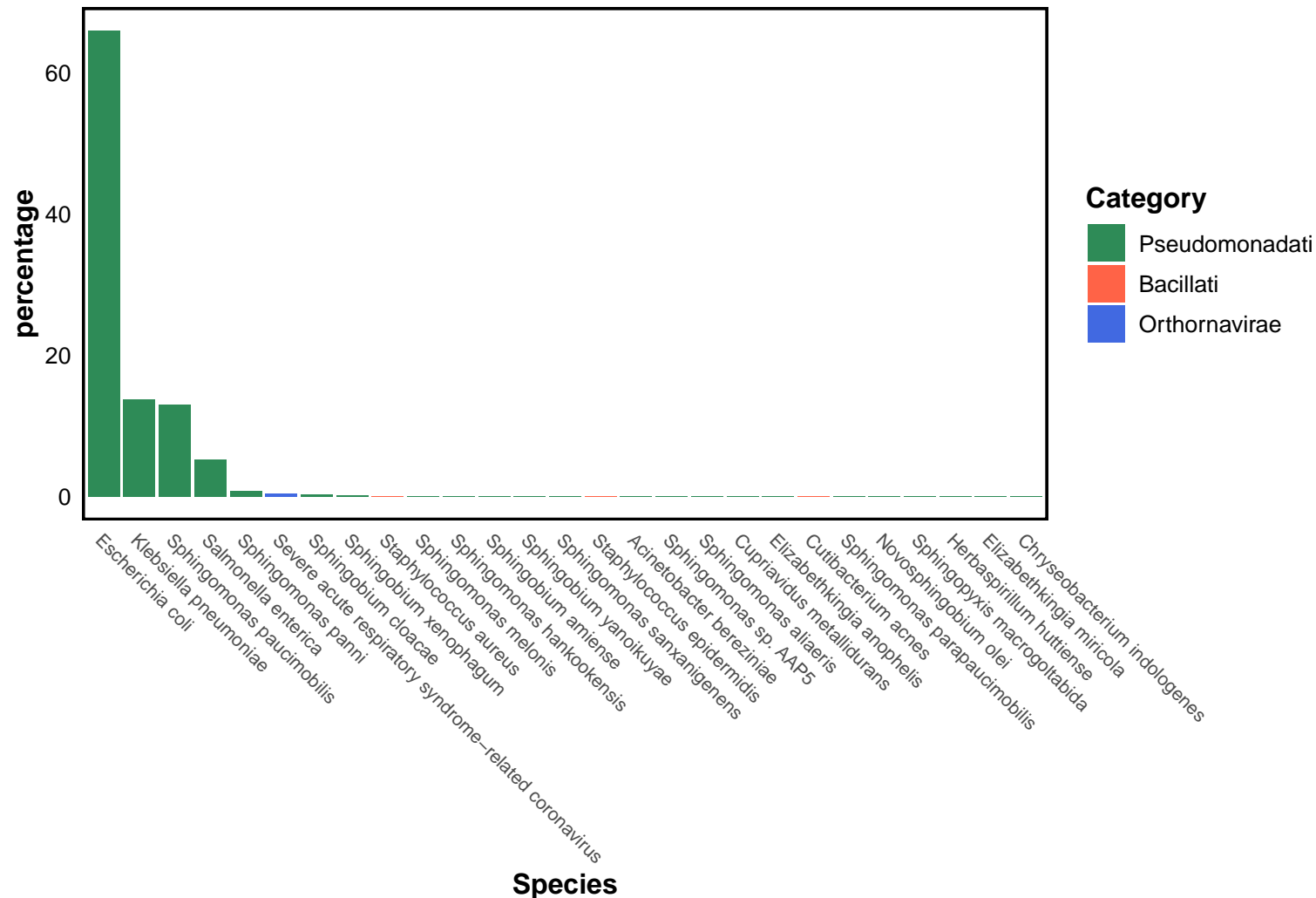
Species by Kingdom – Neg_Control_W

Top 27 species by Log10(bracken_reads + 1)



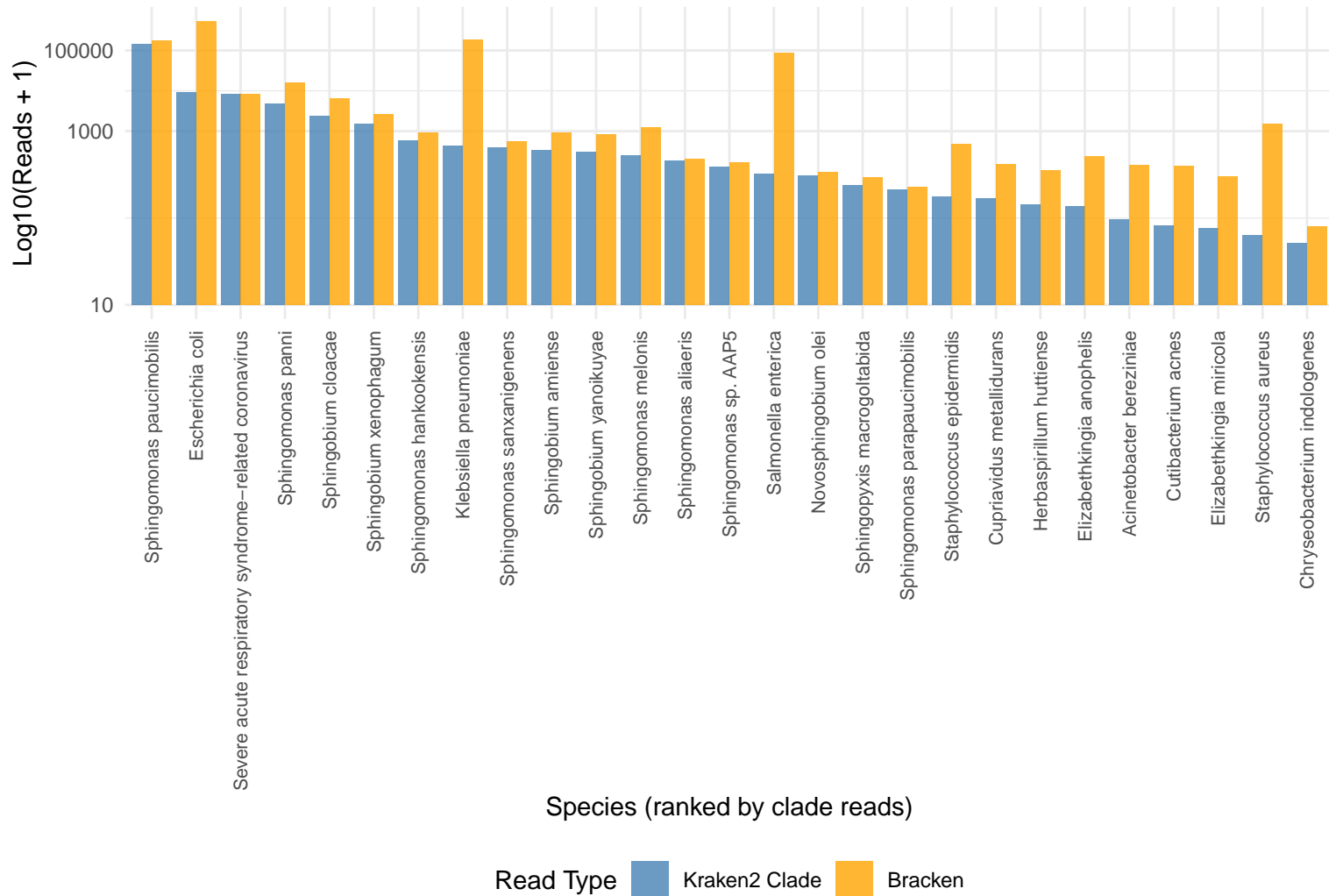
Species by Kingdom – Neg_Control_W

Top 27 species by percentage



Kraken2 vs Bracken Reads – Neg_Control_W

Top species (log10 scale)



Part 3: Kraken2 Statistics – W61303224

The Kraken2 results for sample W61303224:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 136
- Number of species found after secondary filtering: 14

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 2012

Herbaspirillum huttiense: 175

Dolosigranulum pigrum: 175

Cutibacterium acnes: 130

Elizabethkingia anophelis: 112

Corynebacterium propinquum: 71

Sphingomonas paucimobilis: 67

Gemella sanguinis: 65

Escherichia coli: 57

Stutzerimonas stutzeri: 43

Cutibacterium modestum: 37

Haemophilus parainfluenzae: 26

Species per Kingdom – W61303224

Total species: 12

Kingdom

Pseudomonadati

n=6

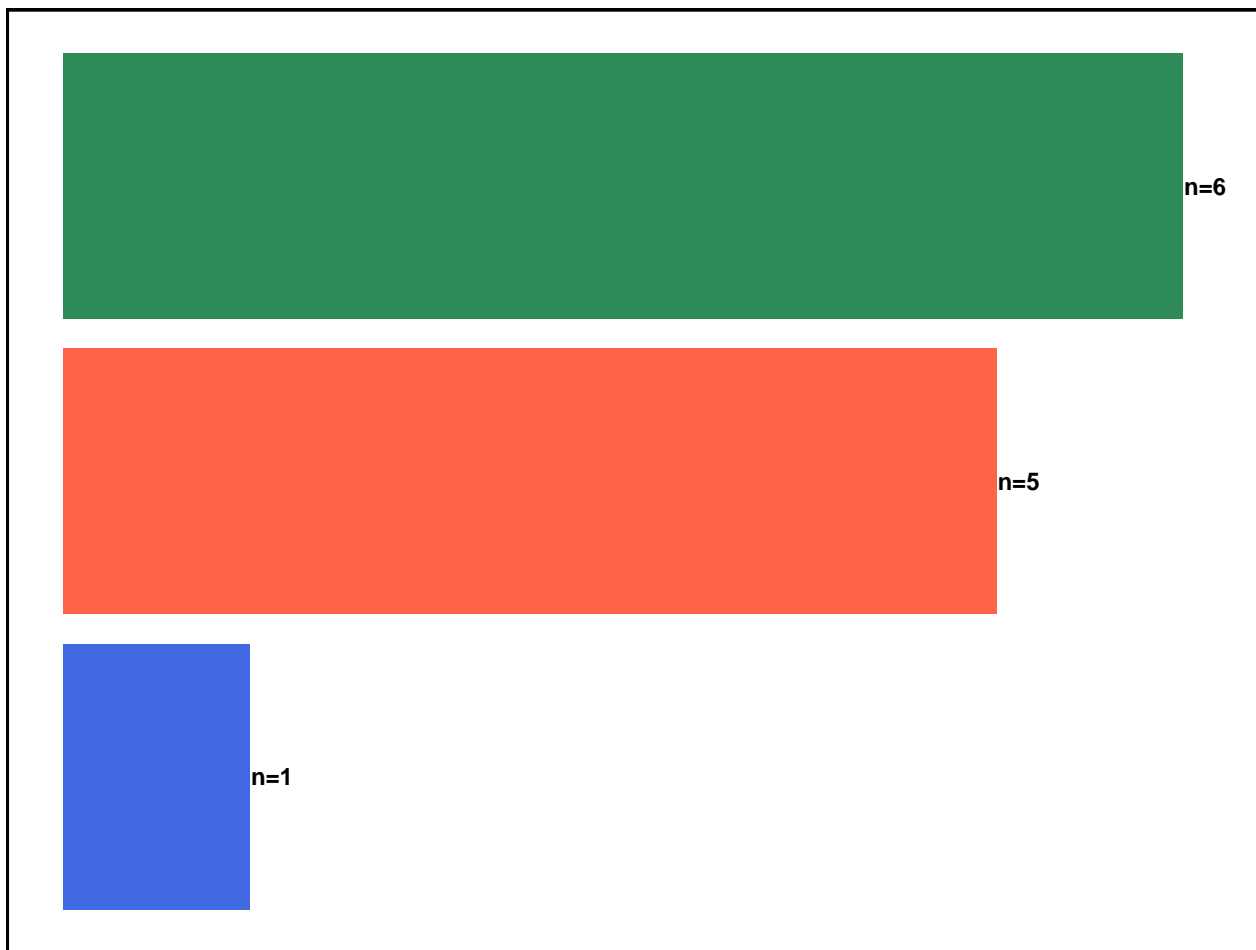
Bacillati

n=5

Orthornavirae

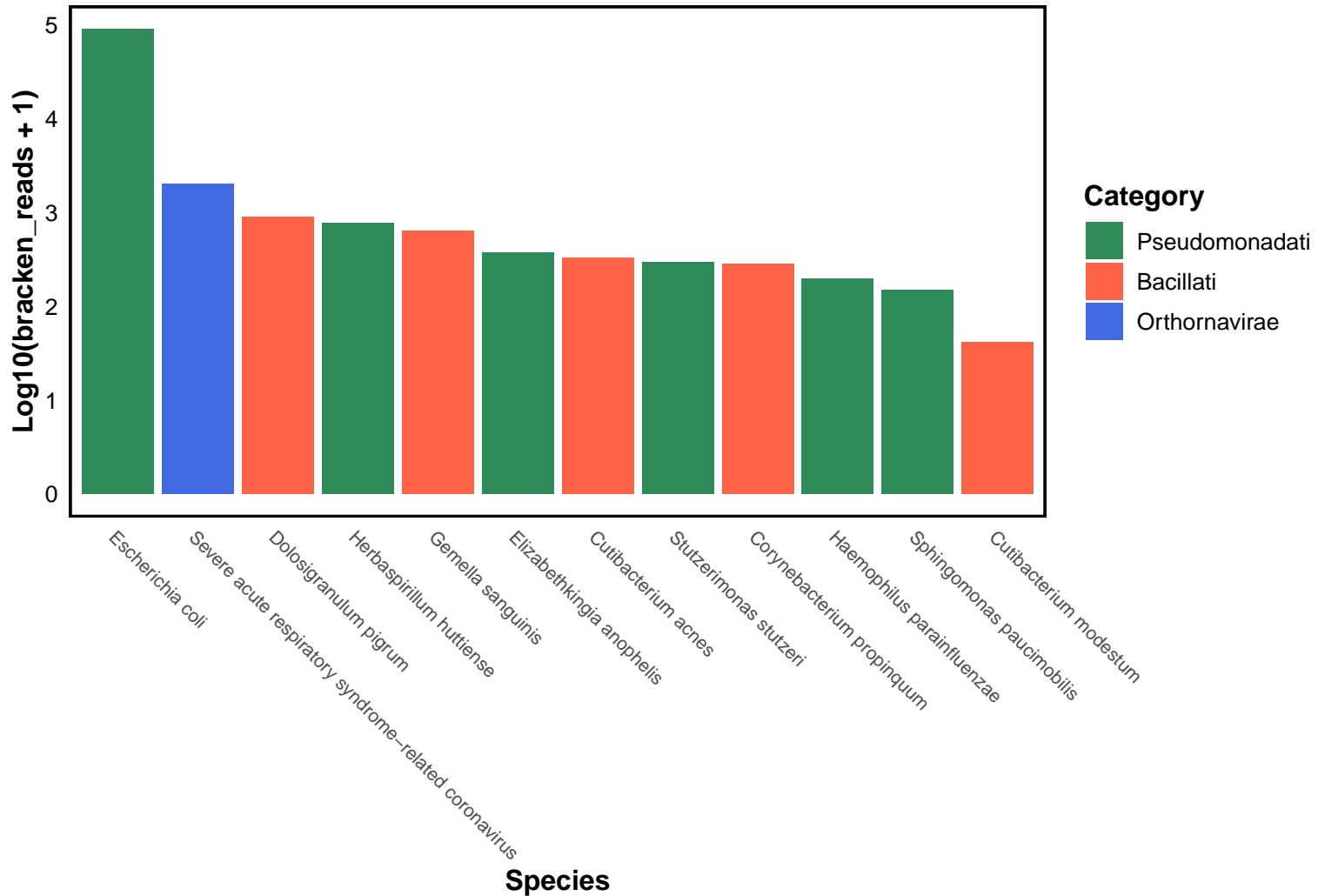
n=1

Number of Species



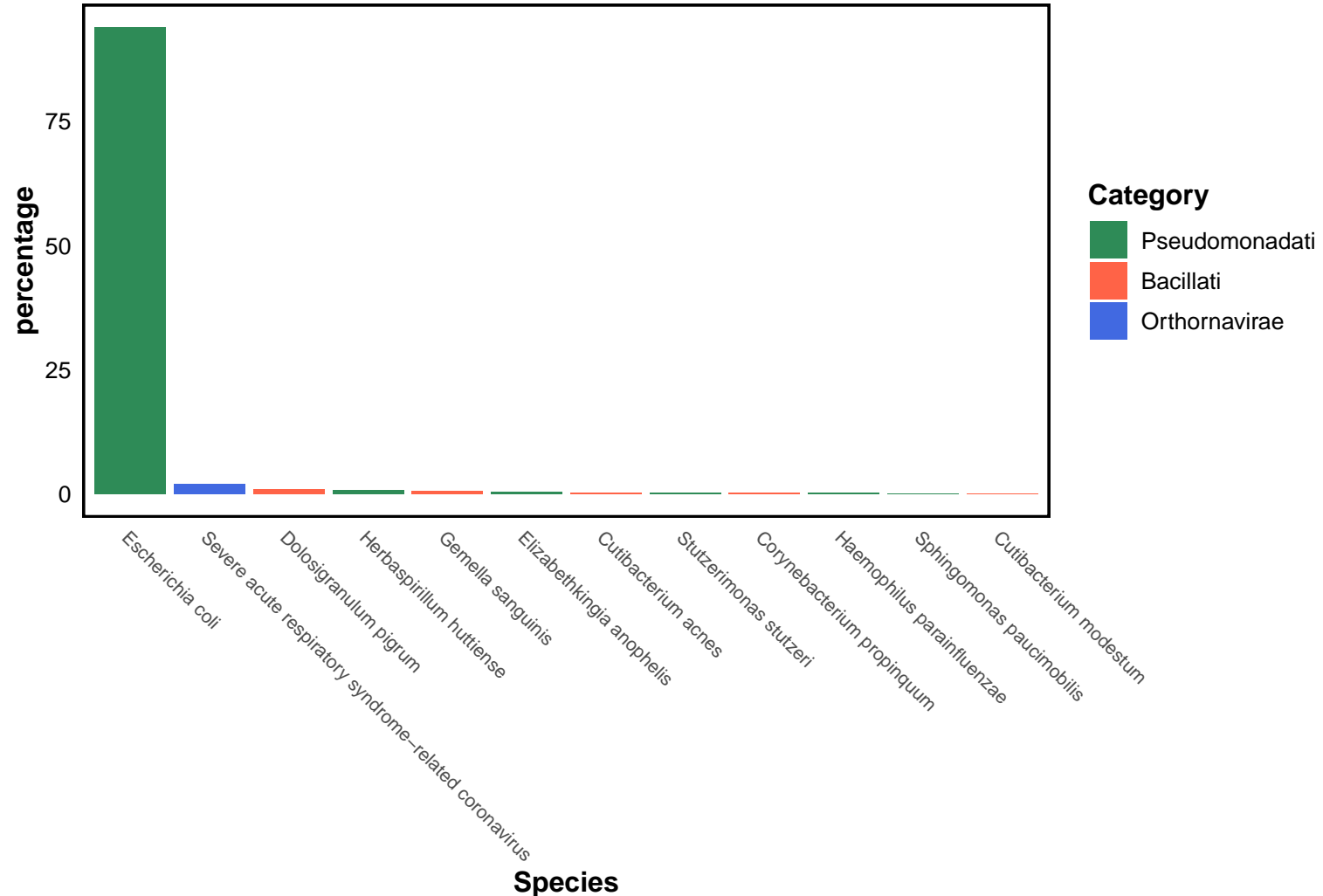
Species by Kingdom – W61303224

Top 12 species by Log10(bracken_reads + 1)



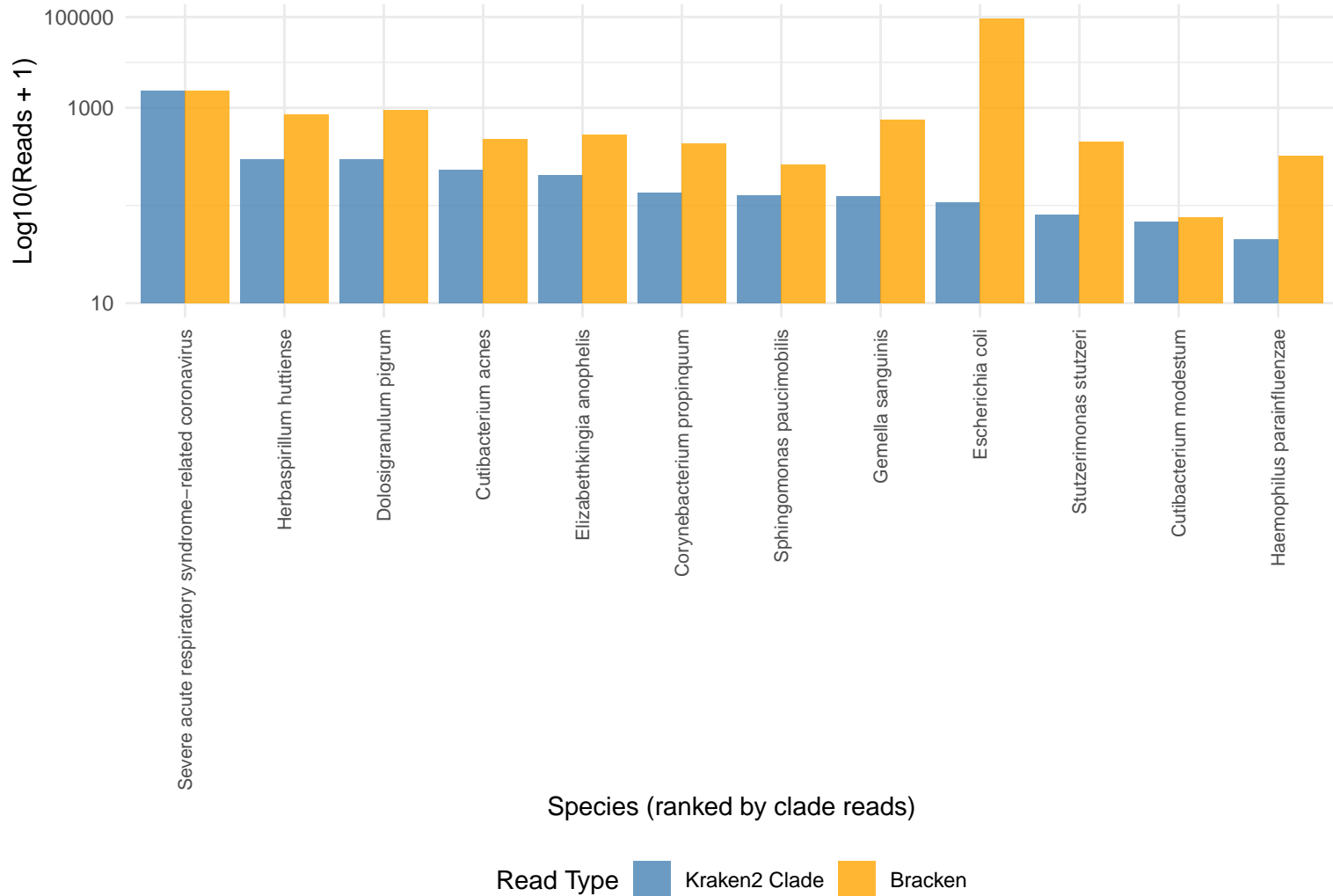
Species by Kingdom – W61303224

Top 12 species by percentage



Kraken2 vs Bracken Reads – W61303224

Top species (log10 scale)



Part 3: Kraken2 Statistics – W61304616

The Kraken2 results for sample W61304616:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 307
- Number of species found after secondary filtering: 28

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 4857967

Herbaspirillum huttiense: 756

Cutibacterium acnes: 721

Fusobacterium pseudoperiodonticum: 345

Veillonella atypica: 292

Gemella sanguinis: 251

Elizabethkingia meningoseptica: 193

Escherichia coli: 128

Sphingomonas paucimobilis: 91

Cupriavidus metallidurans: 84

Leptotrichia sp. oral taxon 212: 75

Stutzerimonas stutzeri: 74

Granulicatella adiacens: 71

Elizabethkingia anophelis: 70

Cutibacterium modestum: 60

Streptococcus parasanguinis: 53

Campylobacter concisus: 52

Veillonella dispar: 46

Parvimonas micra: 41

Streptococcus sp. oral taxon 061: 39

Dermacoccus nishinomiyaensis: 39

Staphylococcus epidermidis: 37

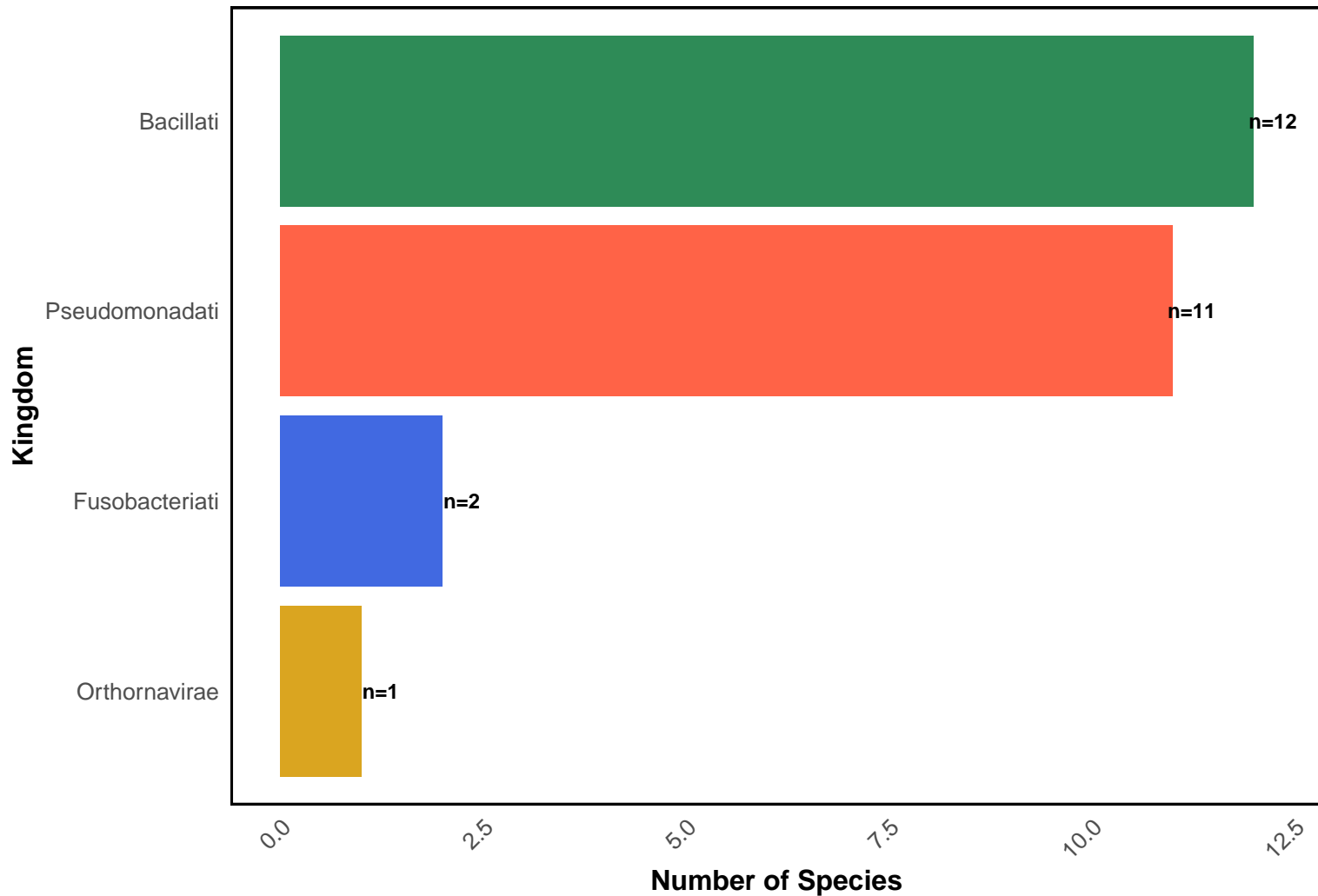
Prevotella melaninogenica: 36

Haemophilus parainfluenzae: 35

Empedobacter brevis: 33

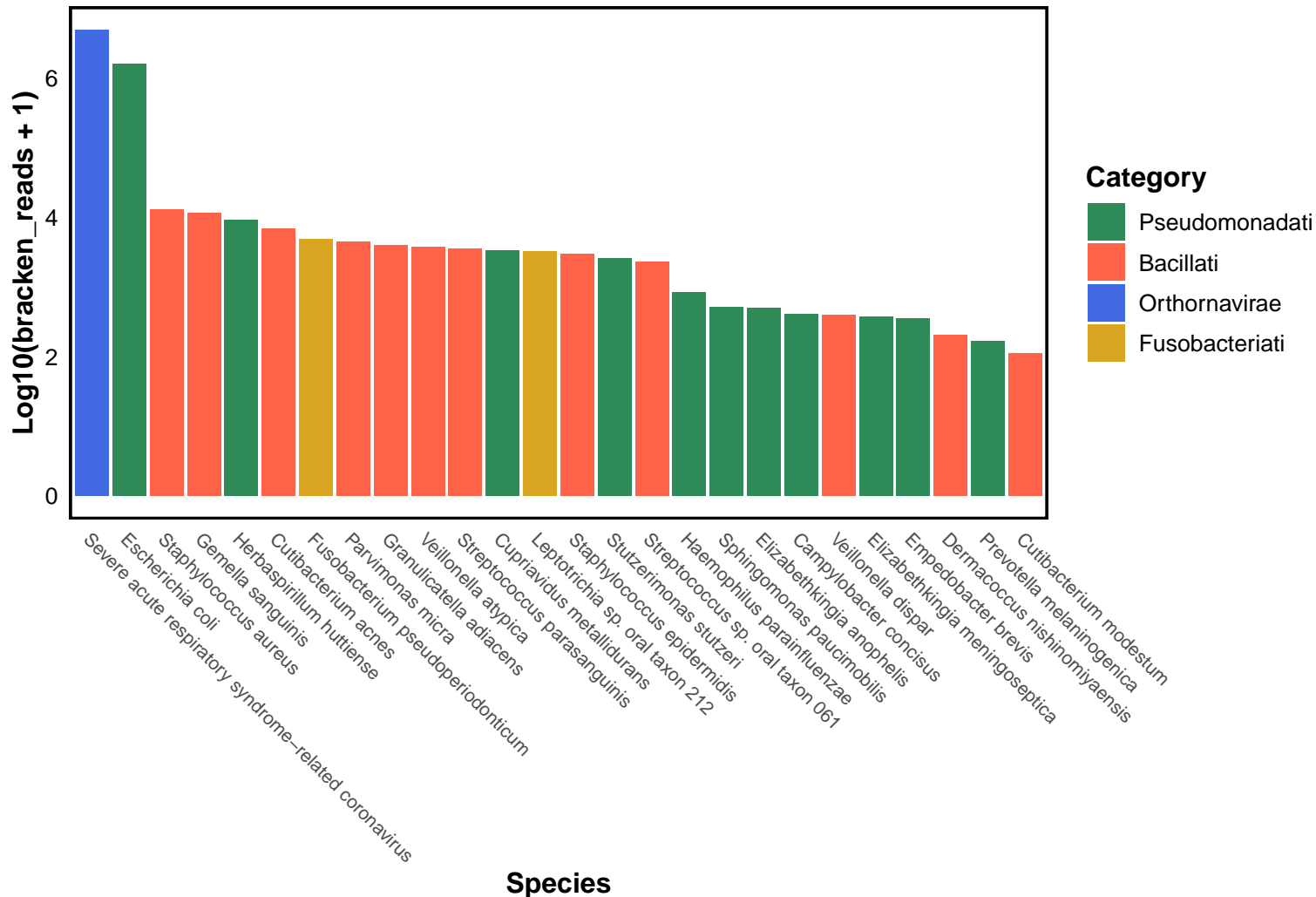
Species per Kingdom – W61304616

Total species: 26



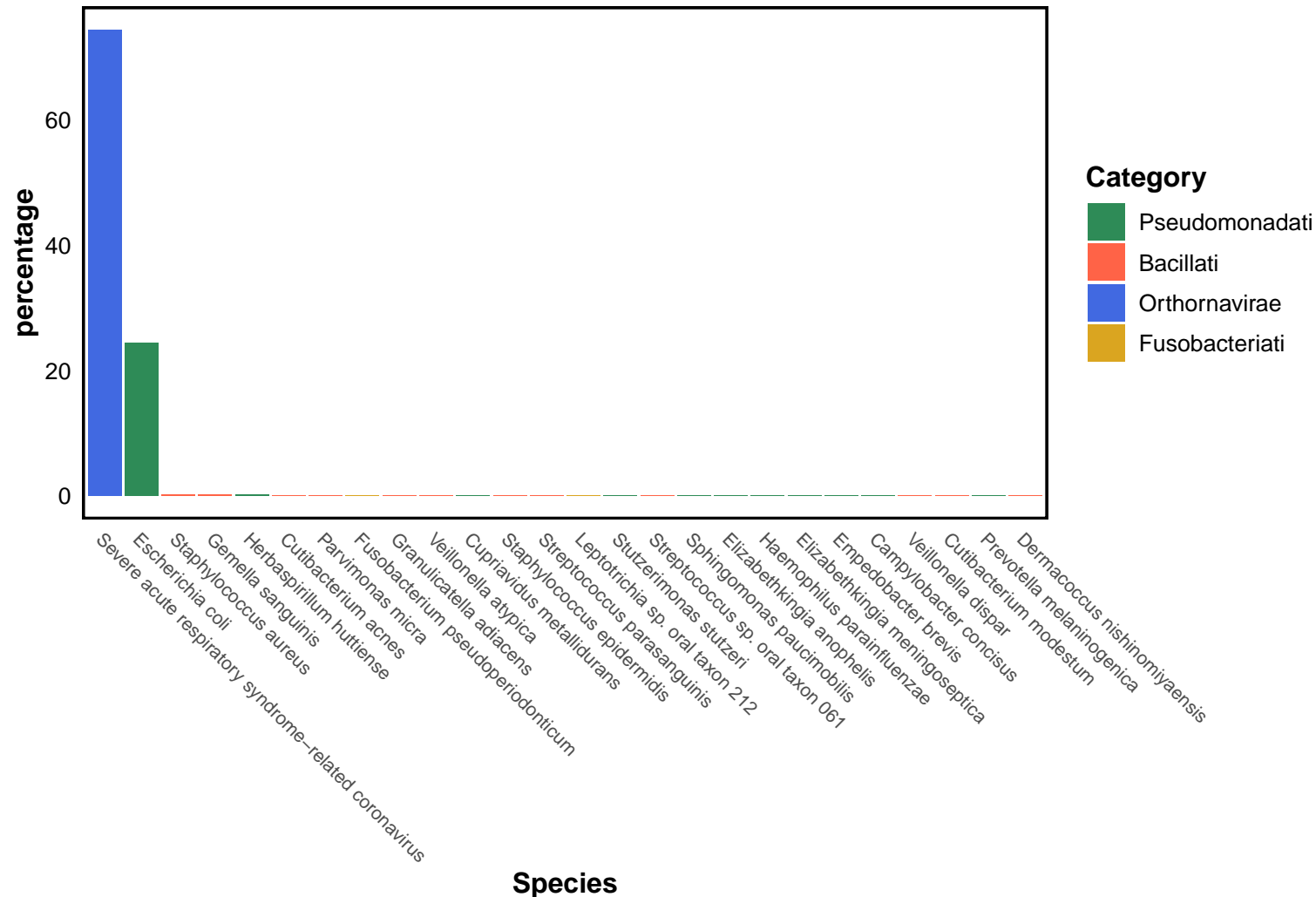
Species by Kingdom – W61304616

Top 26 species by Log10(bracken_reads + 1)



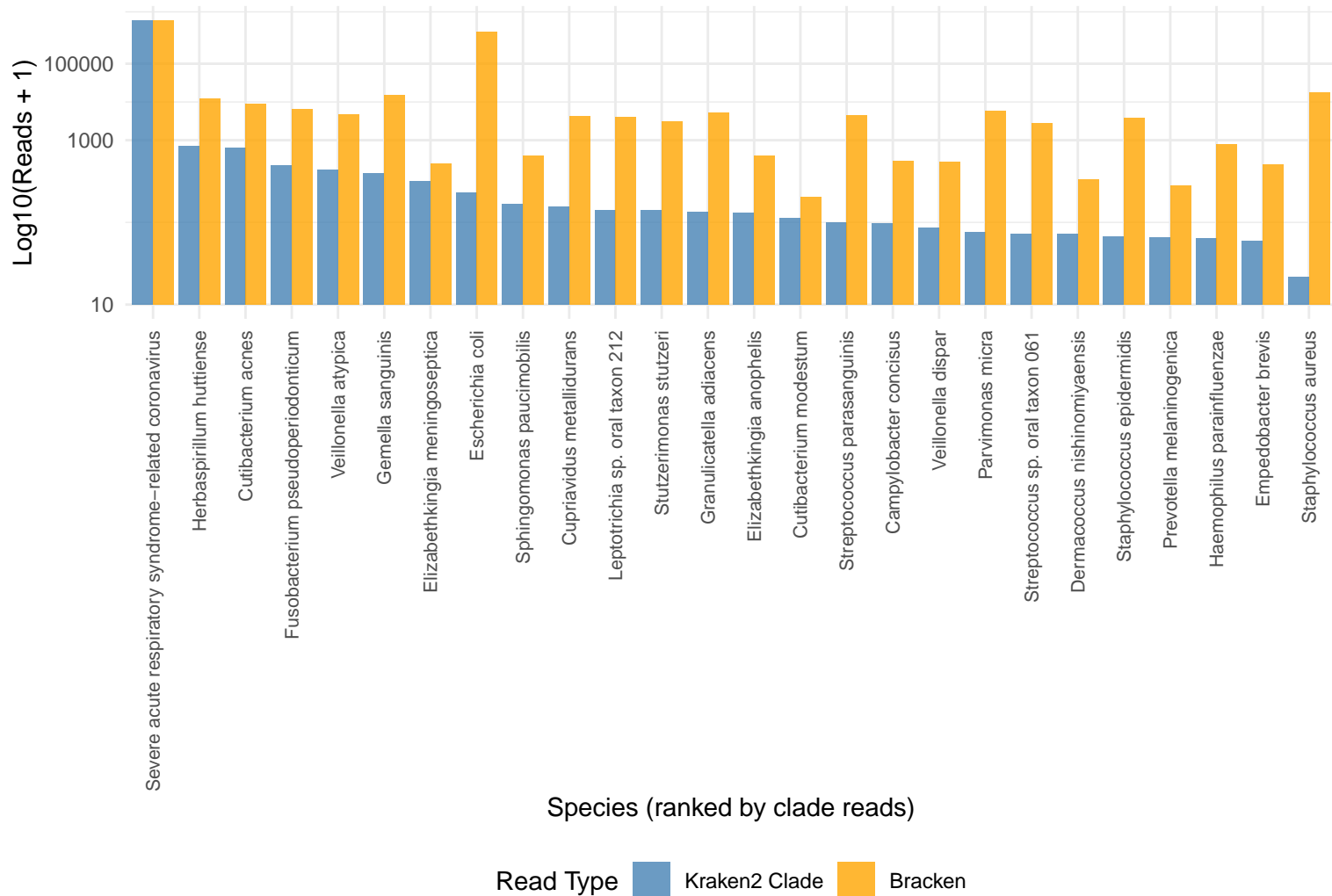
Species by Kingdom – W61304616

Top 26 species by percentage



Kraken2 vs Bracken Reads – W61304616

Top species (log10 scale)



Part 3: Kraken2 Statistics – W61402281

The Kraken2 results for sample W61402281:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 938
- Number of species found after secondary filtering: 199

Top species in this sample:

Fusobacterium pseudoperiodonticum: 4588293

Veillonella atypica: 1159211

Gemella sanguinis: 534623

Fusobacterium polymorphum: 425564

Prevotella melaninogenica: 418099

Solobacterium moorei: 307077

Campylobacter concisus: 265711

Fusobacterium periodonticum: 253804

Leptotrichia sp. oral taxon 212: 235369

Tannerella serpentiiformis: 202671

Veillonella rogosae: 200061

Lachnoanaerobaculum gingivalis: 198172

Prevotella jejuni: 139922

Parvimonas micra: 135931

Capnocytophaga gingivalis: 113388

Porphyromonas endodontalis: 103291

Selenomonas sputigena: 78294

Streptococcus parasanguinis: 76472

Prevotella sp. oral taxon 299: 76141

Granulicatella adiacens: 75211

Stomatobaculum sp. F0698: 74963

Campylobacter showae: 74476

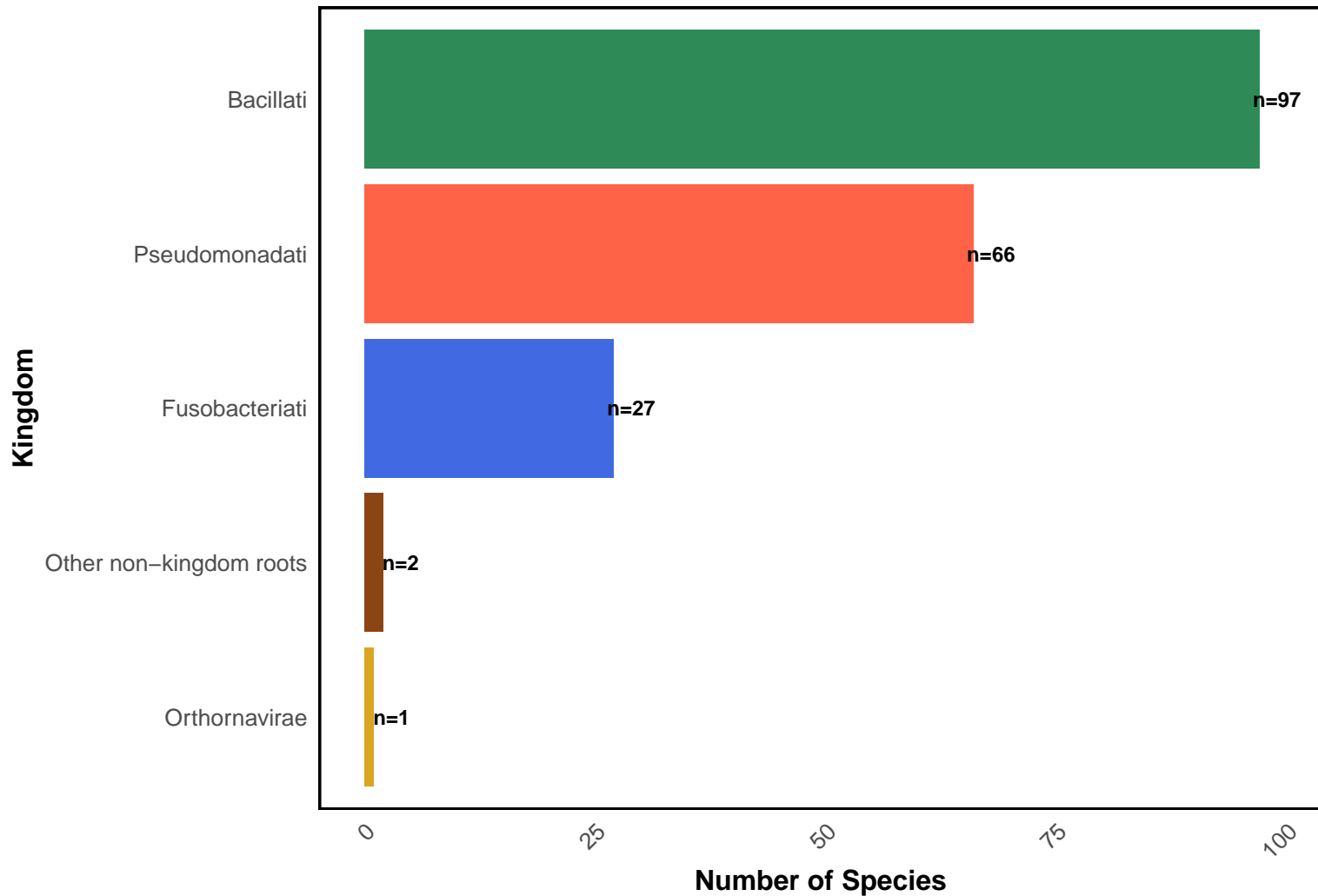
Fusobacterium animalis: 67118

Gemella morbillorum: 58383

Haemophilus parainfluenzae: 56318

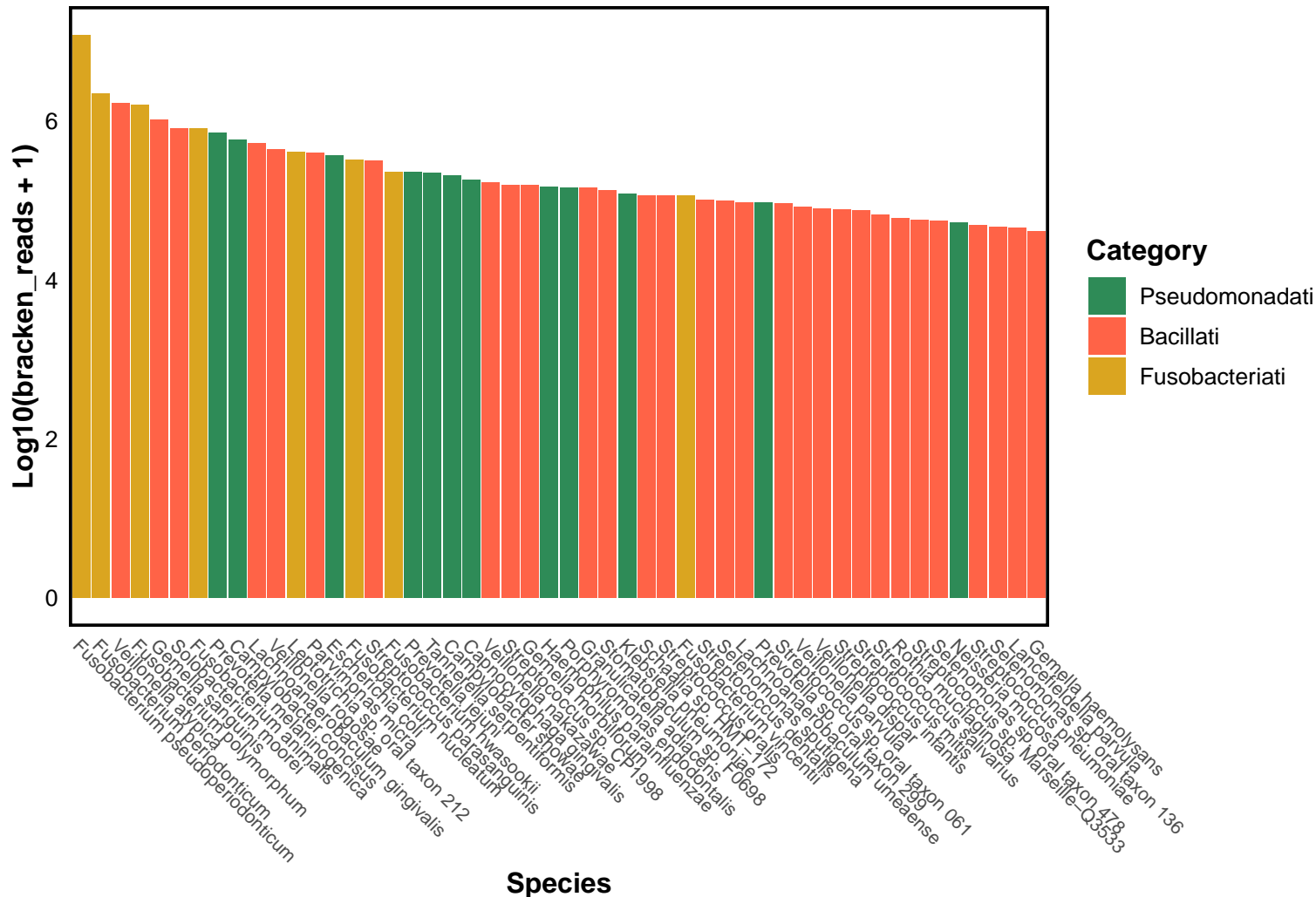
Species per Kingdom – W61402281

Total species: 193

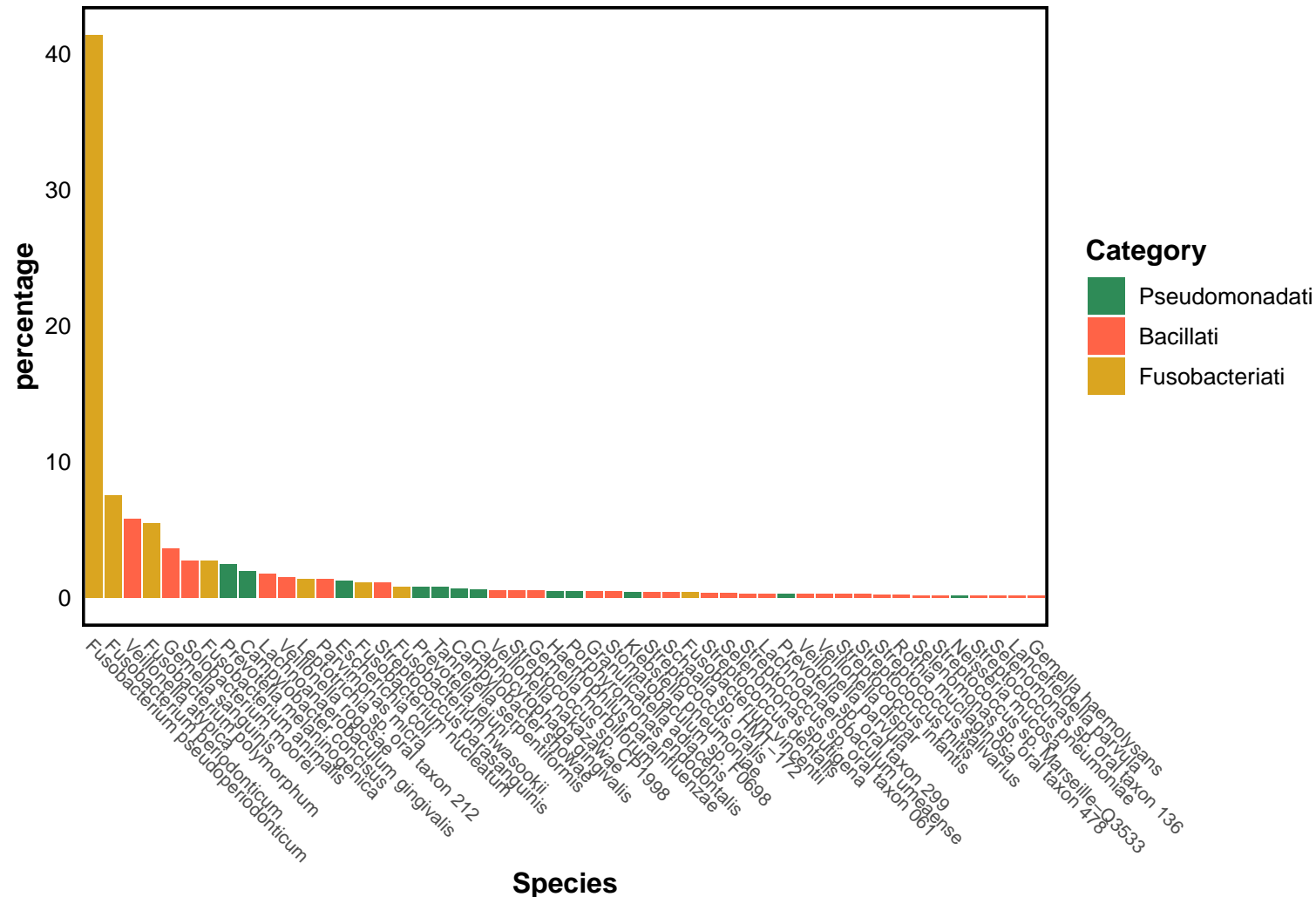


Species by Kingdom – W61402281

Top 50 species by Log10(bracken_reads + 1)

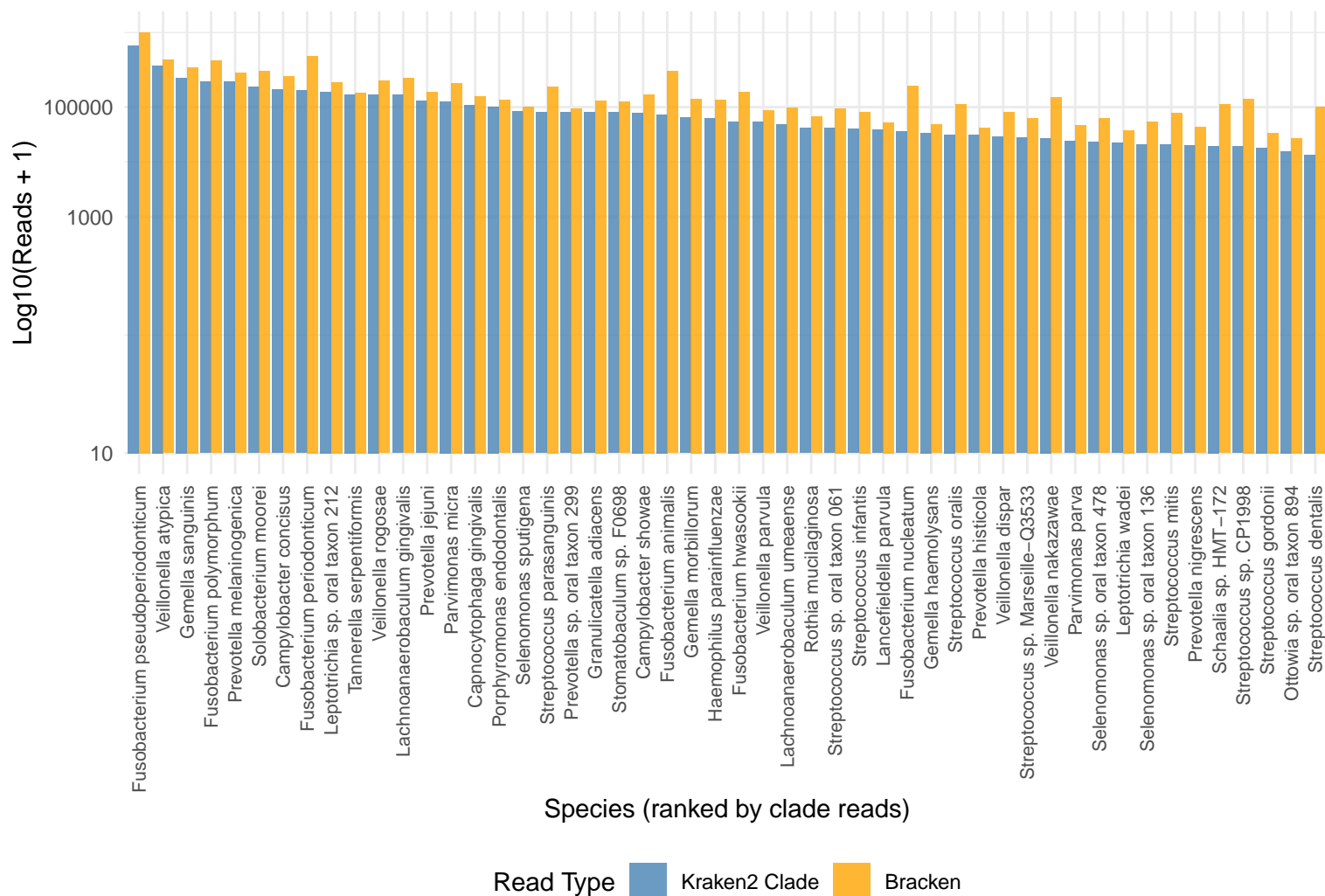


Top 50 species by percentage



Kraken2 vs Bracken Reads – W61402281

Top species (log10 scale)



Part 3: Kraken2 Statistics – W61402322

The Kraken2 results for sample W61402322:

– Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 677
- Number of species found after secondary filtering: 116

Top species in this sample:

Fusobacterium pseudoperiodonticum: 597610

Campylobacter showae: 132228

Leptotrichia sp. oral taxon 212: 75137

Leptotrichia sp. oral taxon 221: 67901

Campylobacter concisus: 64502

Capnocytophaga gingivalis: 56352

Lachnoanaerobaculum gingivalis: 56170

Prevotella melaninogenica: 47901

Capnocytophaga leadbetteri: 47013

Fusobacterium polymorphum: 45057

Gemella sanguinis: 40119

Veillonella rogosae: 38501

Leptotrichia wadei: 37484

Streptococcus salivarius: 26331

Selenomonas sputigena: 25573

Veillonella atypica: 24563

Tannerella serpentiformis: 24038

Severe acute respiratory syndrome-related coronavirus: 23640

Streptococcus sp. Marseille-Q3533: 23475

Solobacterium moorei: 23247

Stomatobaculum sp. F0698: 20199

Parvimonas micra: 18543

Capnocytophaga granulosa: 15714

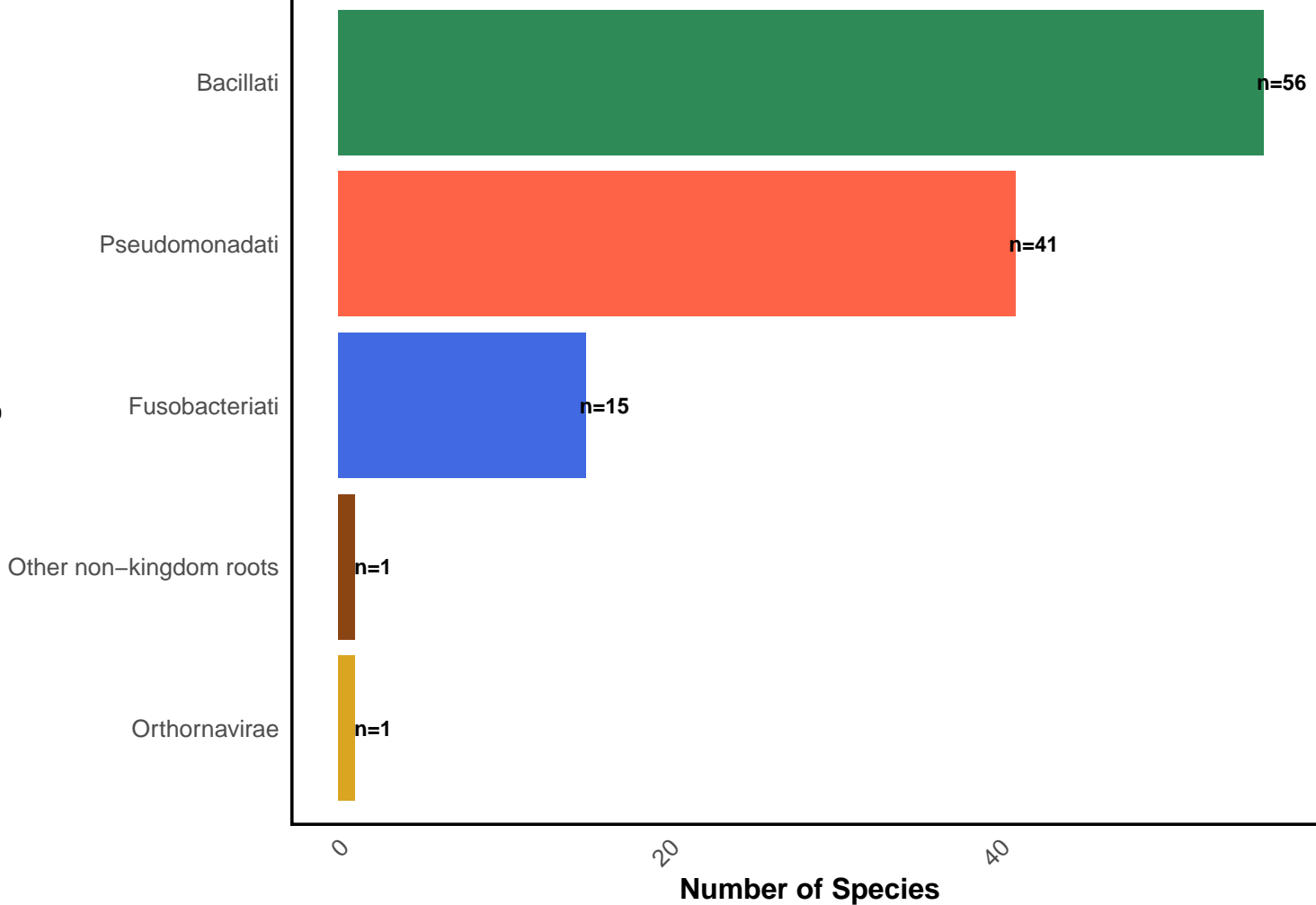
Granulicatella adiacens: 8674

Haemophilus parainfluenzae: 8555

Species per Kingdom – W61402322

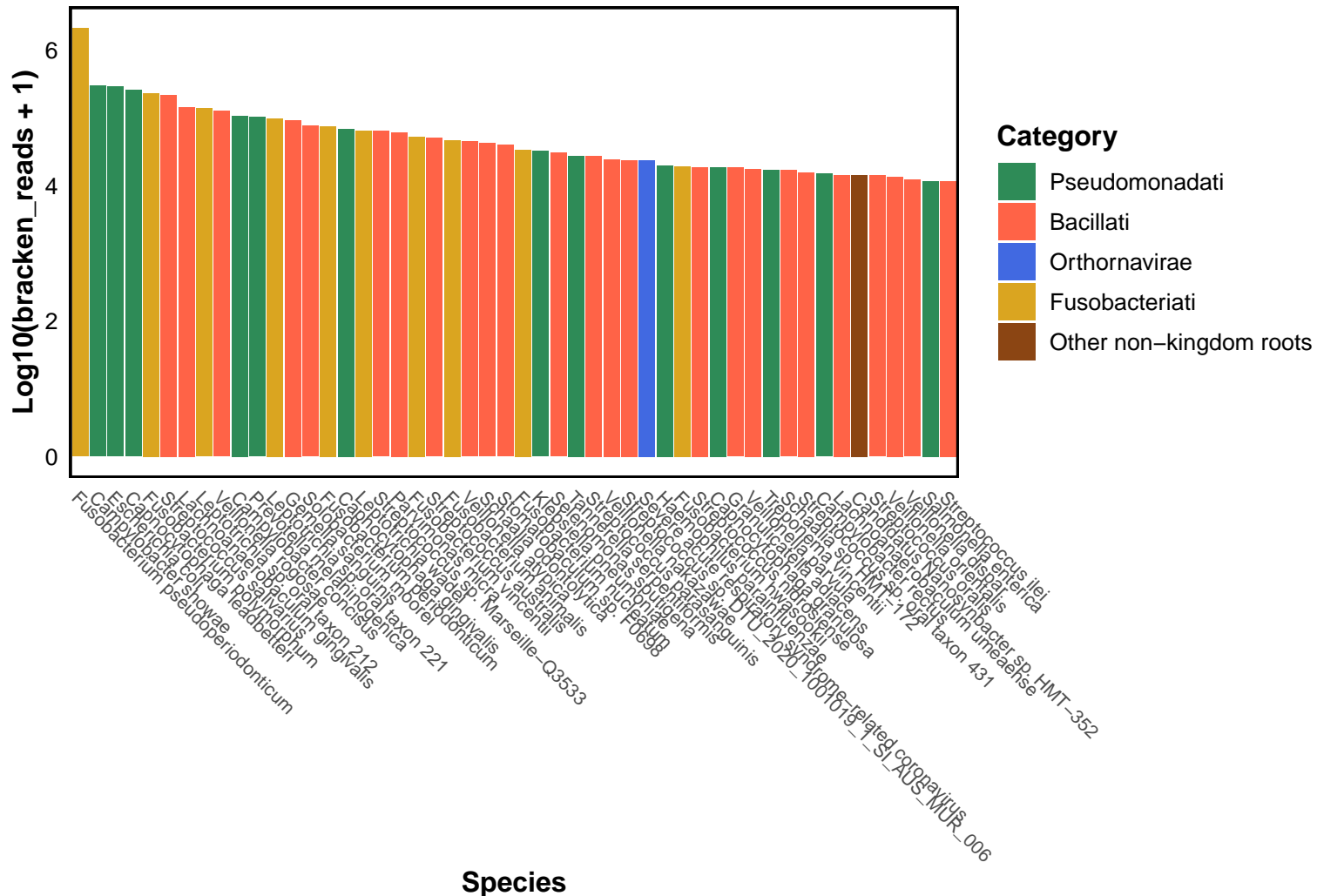
Total species: 114

Kingdom

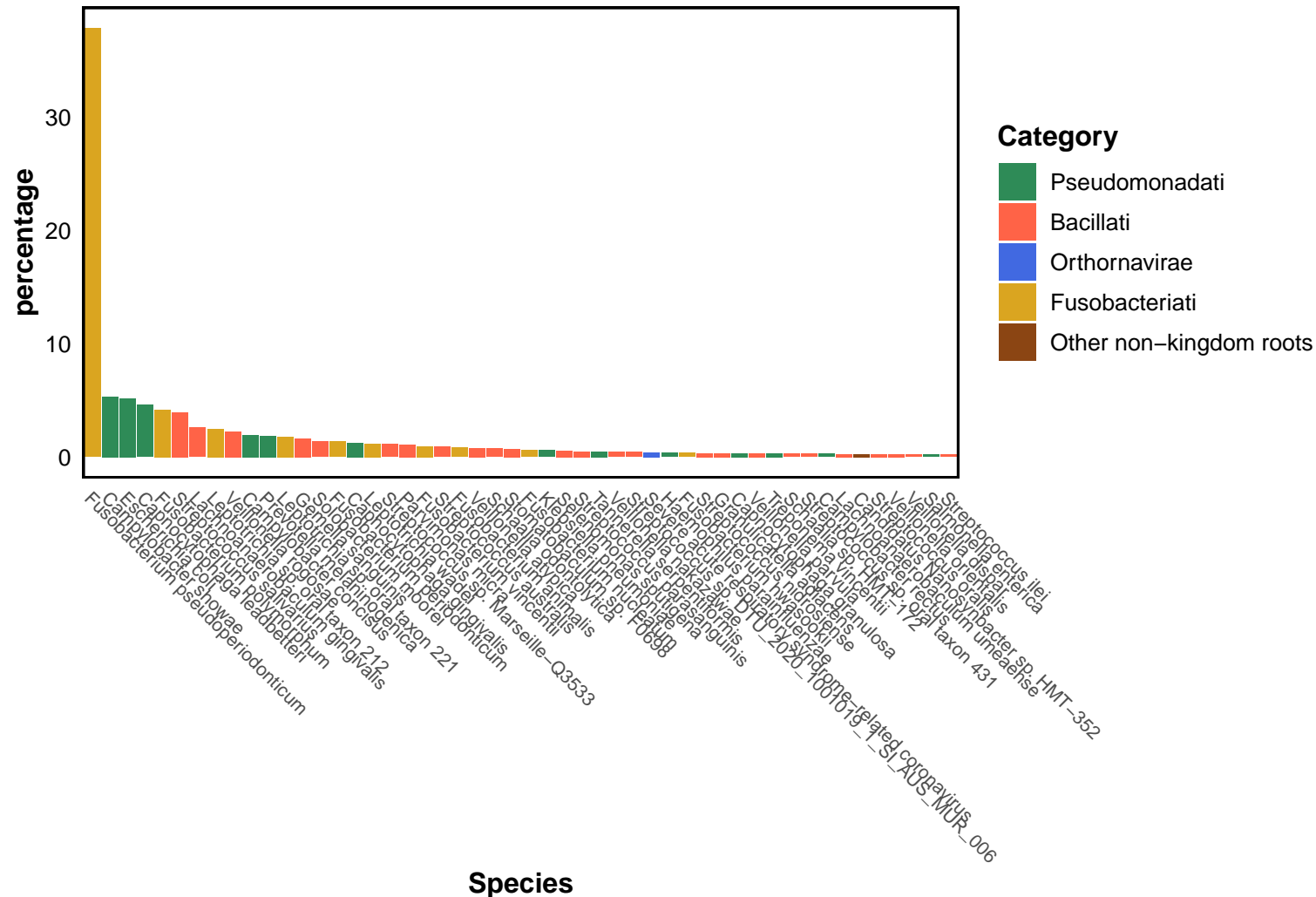


Species by Kingdom – W61402322

Top 50 species by Log10(bracken_reads + 1)

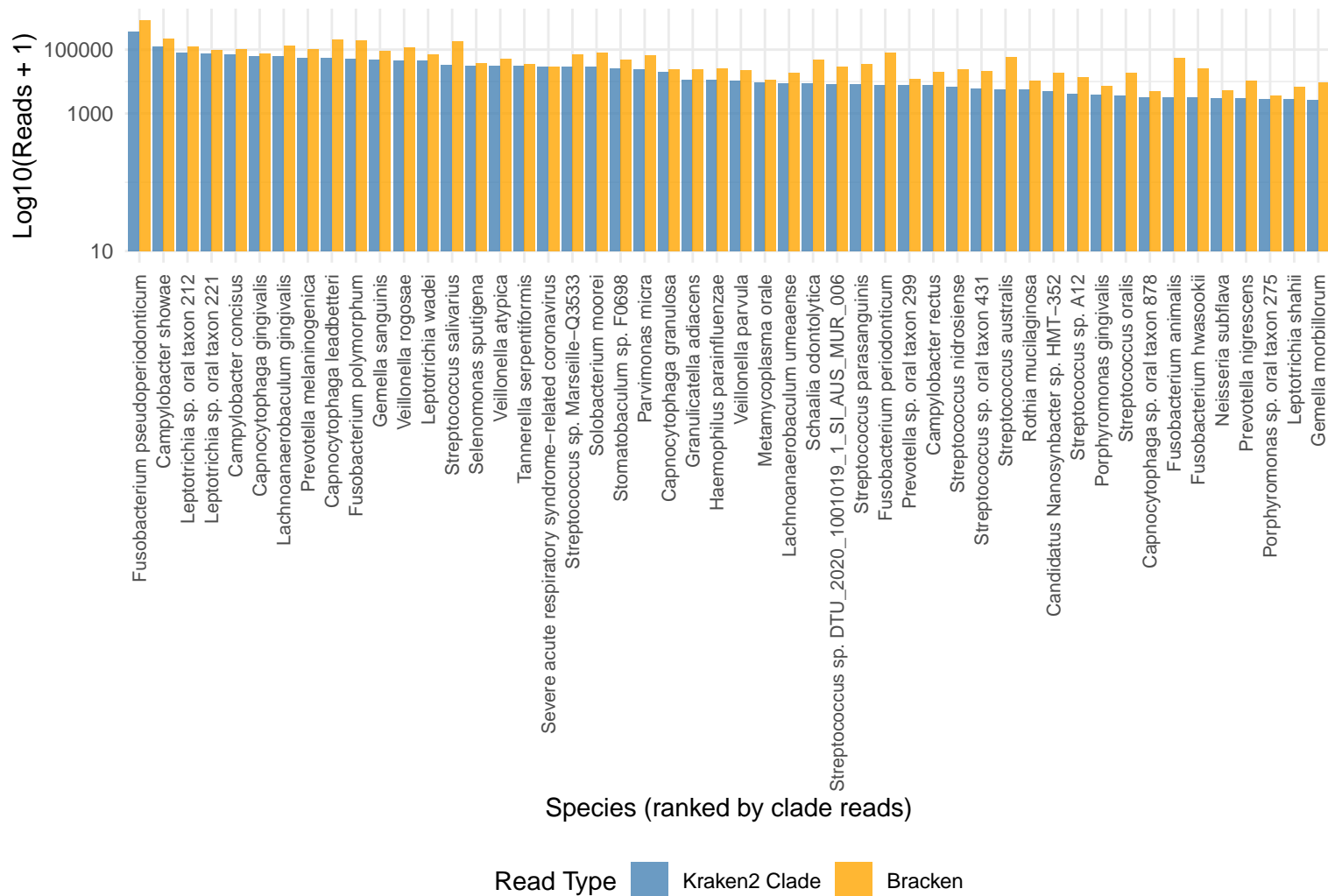


Top 50 species by percentage



Kraken2 vs Bracken Reads – W61402322

Top species (log10 scale)



Part 3: Kraken2 Statistics – W61501463

The Kraken2 results for sample W61501463:

– Using Non-human sample results

Key findings:

– Number of species found before secondary filtering: 514

– Number of species found after secondary filtering: 47

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 17480263

Pseudoxanthomonas japonensis: 85355

Bradyrhizobium sp. BTAi1: 82532

Sphingomonas paucimobilis: 71741

Pseudoxanthomonas mexicana: 18286

Pseudoxanthomonas sp. SE1: 10702

Xanthomonas perforans: 3695

Pseudoxanthomonas sp. SL93: 3402

Stenotrophomonas acidaminiphila: 1945

Stenotrophomonas maltophilia: 1291

Sphingomonas panni: 1070

Bradyrhizobium betae: 866

Sphingobium cloacae: 546

Sphingobium xenophagum: 410

Cutibacterium acnes: 342

Bradyrhizobium oligotrophicum: 257

Pseudoxanthomonas suwonensis: 237

Sphingobium yanoikuyae: 209

Sphingomonas hankookensis: 194

Gemella sanguinis: 192

Sphingomonas sanxanigenens: 168

Sphingobium amiense: 163

Sphingomonas melonis: 149

Bradyrhizobium sp. ORS 285: 139

Fusobacterium pseudoperiodonticum: 133

Species per Kingdom – W61501463

Total species: 45

Kingdom

Pseudomonadati

n=35

Bacillati

n=7

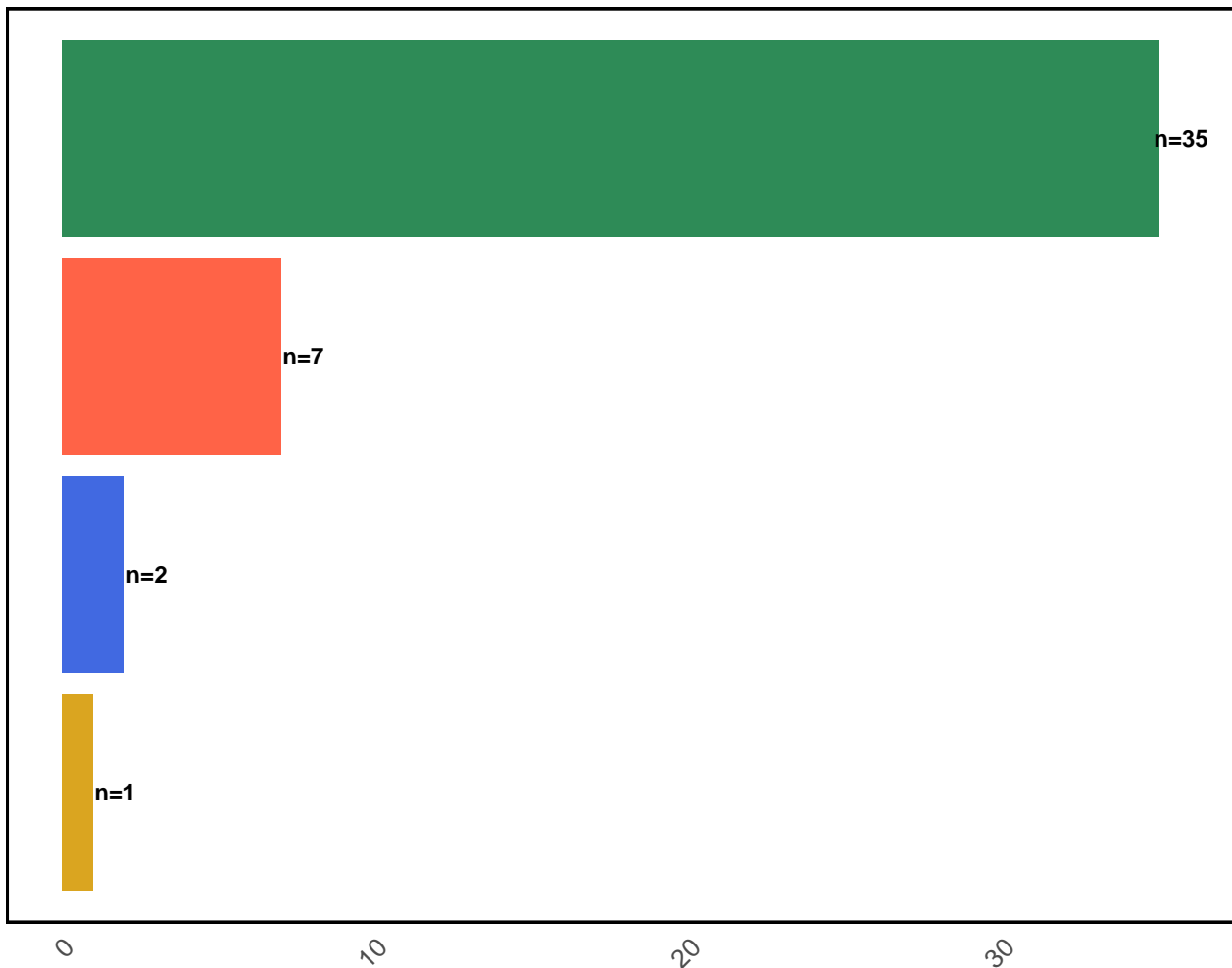
Fusobacteriati

n=2

Orthornavirae

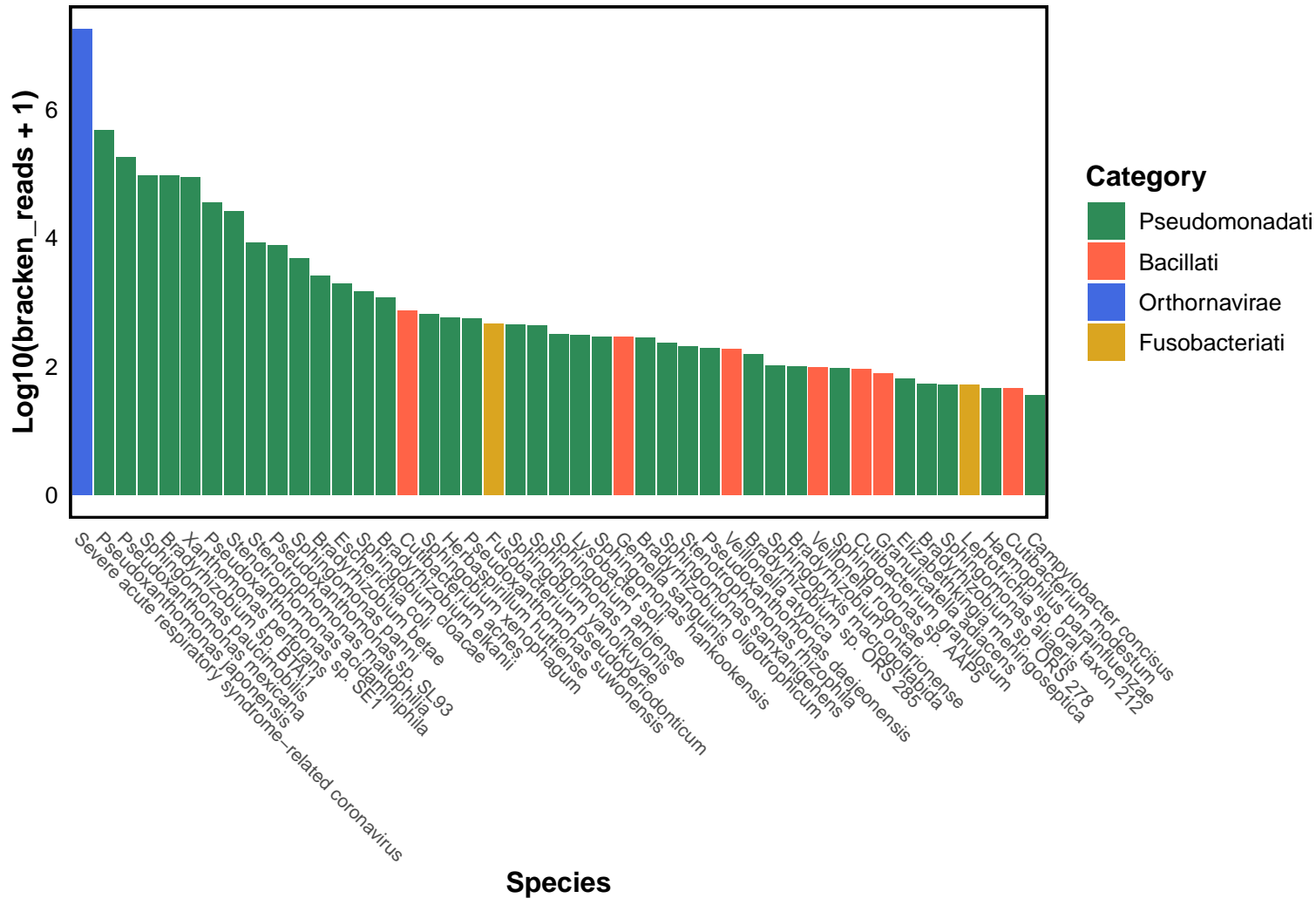
n=1

Number of Species

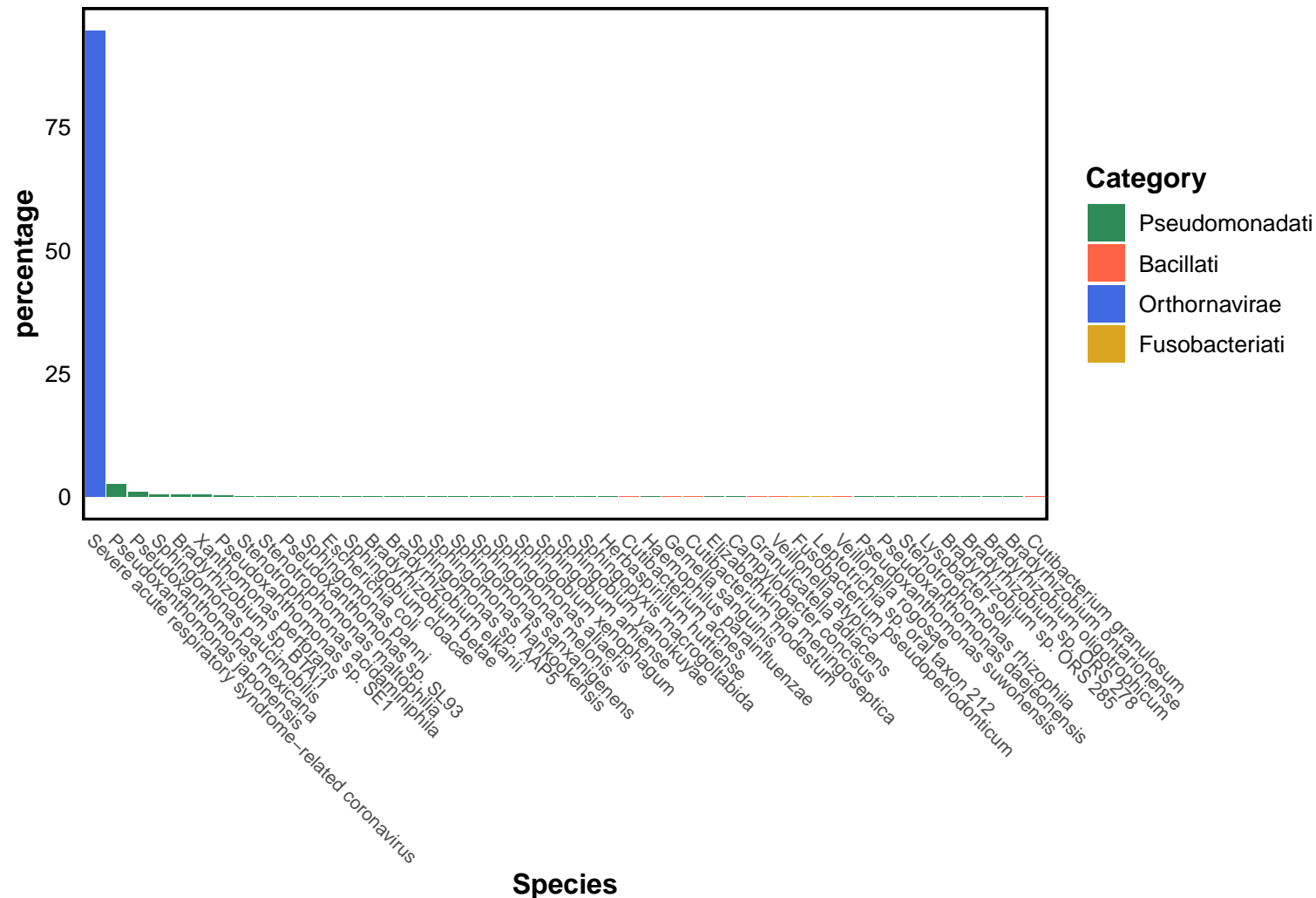


Species by Kingdom – W61501463

Top 45 species by Log10(bracken_reads + 1)

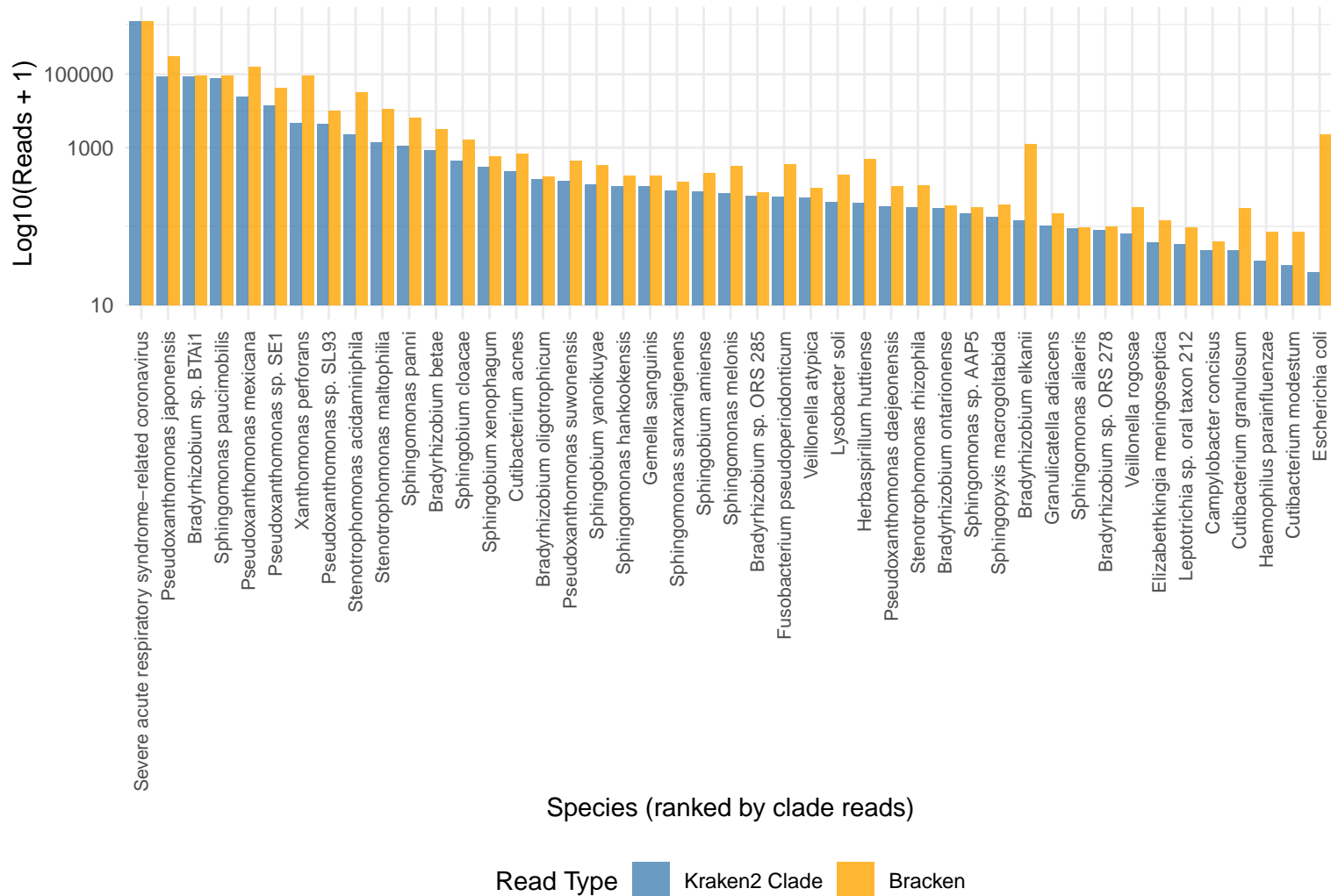


Top 45 species by percentage



Kraken2 vs Bracken Reads – W61501463

Top species (log10 scale)



Part 3: Kraken2 Statistics – W71607201

The Kraken2 results for sample W71607201:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 586
- Number of species found after secondary filtering: 78

Top species in this sample:

Sphingomonas paucimobilis: 192794

Bradyrhizobium sp. BTAi1: 135512

Severe acute respiratory syndrome-related coronavirus: 50536

Sphingomonas panni: 2859

Sphingobium cloacae: 1854

Pseudoxanthomonas japonensis: 1600

Methylobacterium currus: 1252

Sphingobium xenophagum: 1134

Methylobacterium aquaticum: 674

Bradyrhizobium betae: 659

Sphingomonas hankookensis: 555

Sphingobium amiense: 548

Methylobacterium terrae: 516

Sphingobium yanoikuyae: 482

Methylobacterium populi: 460

Sphingomonas sanxanigenens: 416

Escherichia coli: 415

Bradyrhizobium oligotrophicum: 403

Sphingomonas melonis: 383

Methylobacterium sp. 17Sr1-1: 372

Methylobacterium indicum: 322

Pseudoxanthomonas mexicana: 315

Cutibacterium acnes: 314

Sphingomonas sp. AAP5: 239

Sphingomonas aliaeris: 236

Species per Kingdom – W71607201

Total species: 77

Kingdom

Pseudomonadati

n=56

Bacillati

n=18

Shotokuvirae

n=1

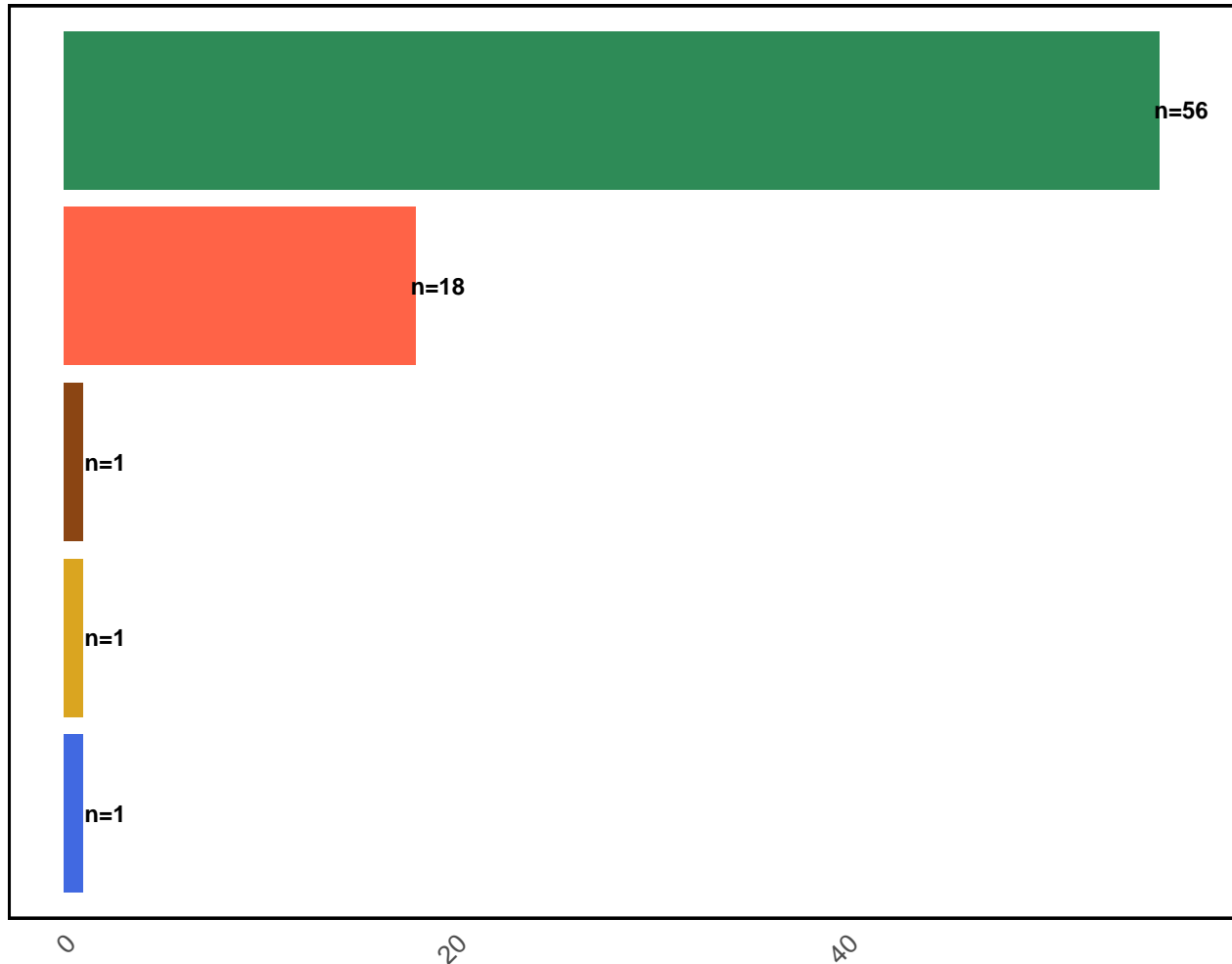
Orthornavirae

n=1

Fusobacteriati

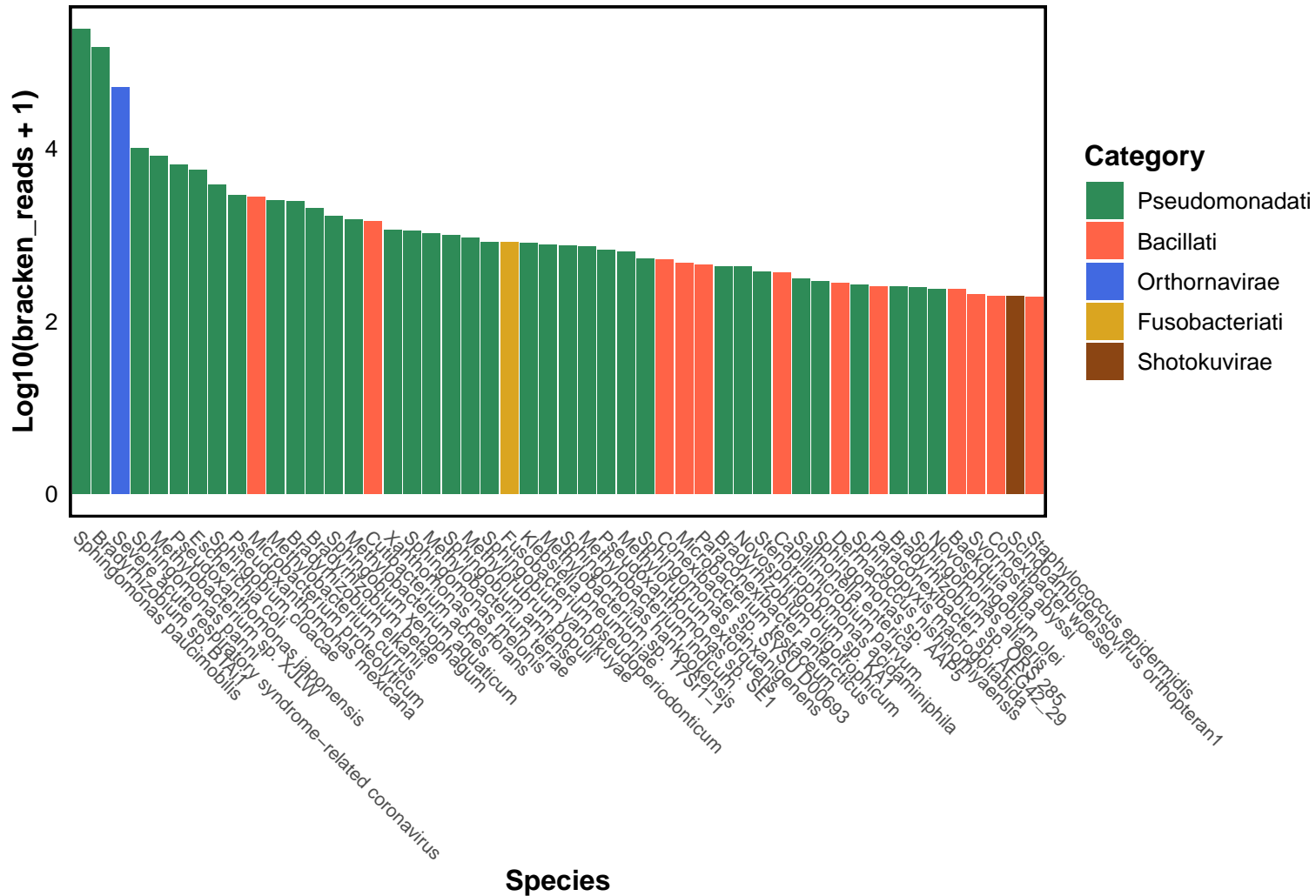
n=1

Number of Species

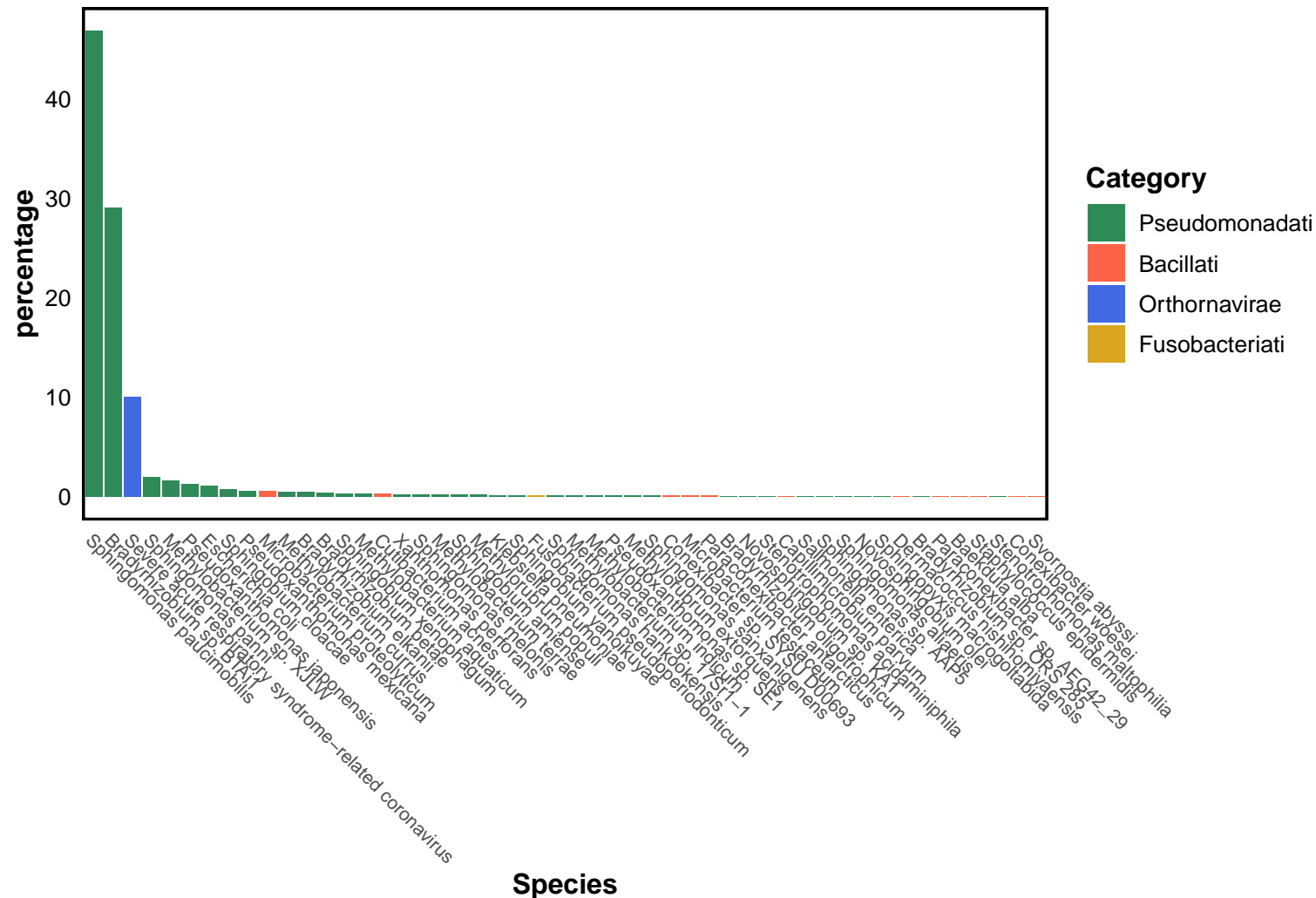


Species by Kingdom – W71607201

Top 50 species by Log10(bracken_reads + 1)

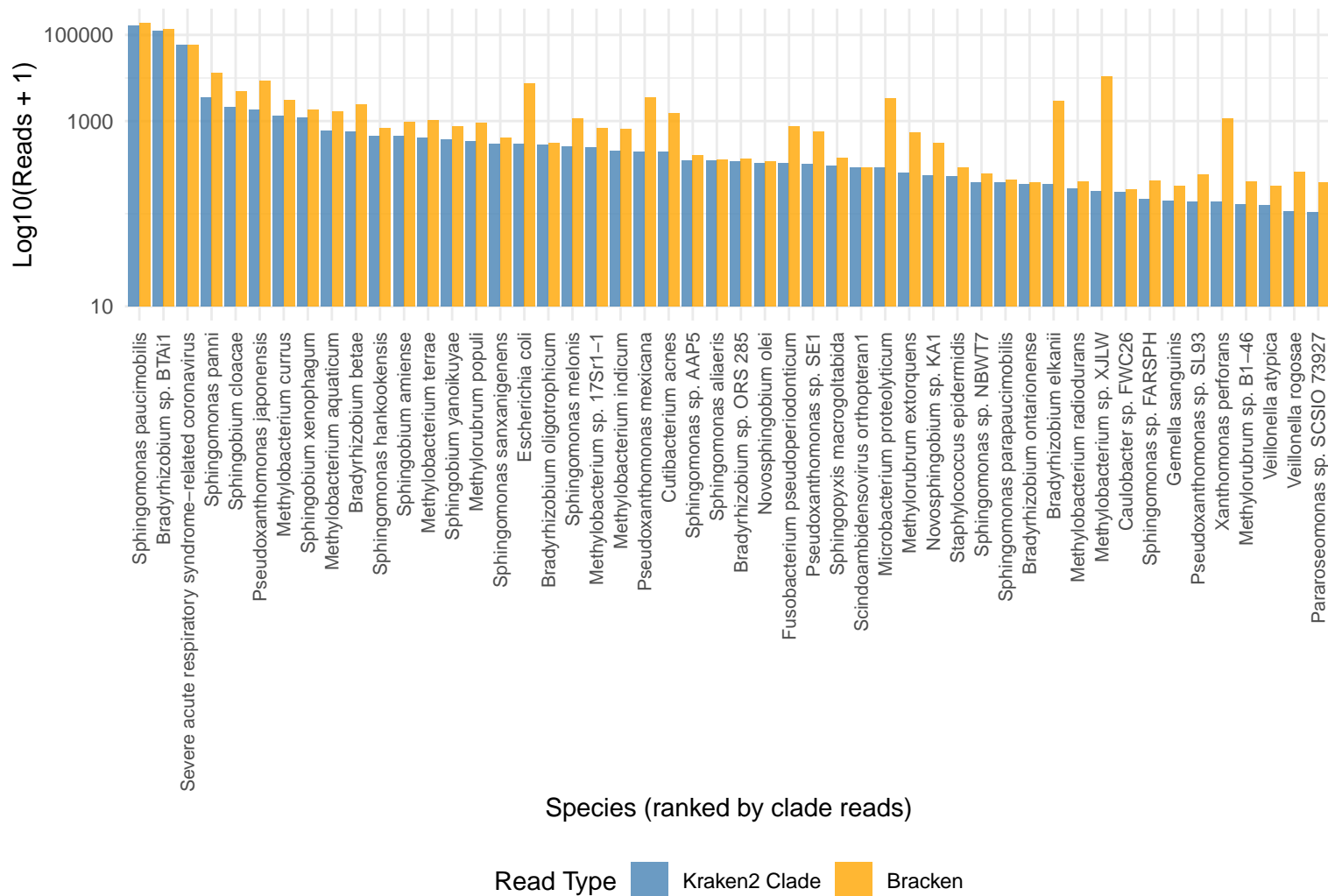


Top 50 species by percentage



Kraken2 vs Bracken Reads – W71607201

Top species (log10 scale)



Part 3: Kraken2 Statistics – W72504187

The Kraken2 results for sample W72504187:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 620
- Number of species found after secondary filtering: 82

Top species in this sample:

Sphingomonas paucimobilis: 440580

Bradyrhizobium sp. BTAi1: 211199

Severe acute respiratory syndrome-related coronavirus: 210224

Sphingomonas panni: 6625

Sphingobium cloacae: 4055

Methylobacterium curvus: 3403

Escherichia coli: 2775

Sphingobium xenophagum: 2762

Pseudoxanthomonas japonensis: 2064

Methylobacterium aquaticum: 1926

Sphingomonas hankookensis: 1400

Methylobacterium terrae: 1340

Sphingobium amiense: 1249

Bradyrhizobium betae: 1243

Methylobacterium populi: 1124

Sphingomonas sanxanigenens: 1078

Sphingobium yanoikuyae: 1058

Methylobacterium indicum: 959

Sphingomonas melonis: 945

Methylobacterium sp. 17Sr1-1: 829

Bradyrhizobium oligotrophicum: 603

Sphingomonas sp. AAP5: 506

Sphingomonas aliaeris: 504

Novosphingobium olei: 486

Pseudoxanthomonas mexicana: 472

Species per Kingdom – W72504187

Total species: 79

Kingdom

Pseudomonadati

n=61

Bacillati

n=16

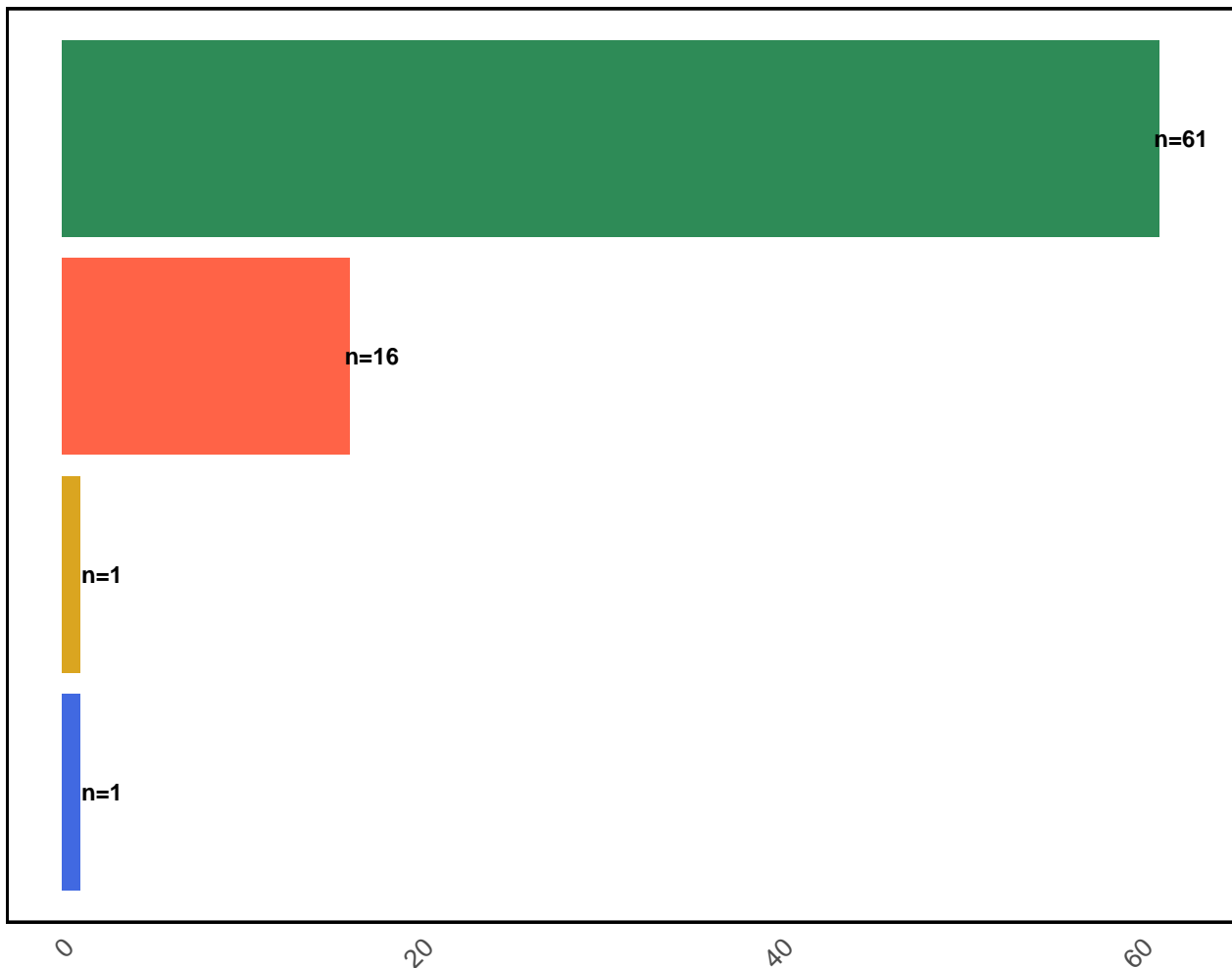
Orthornavirae

n=1

Fusobacteriati

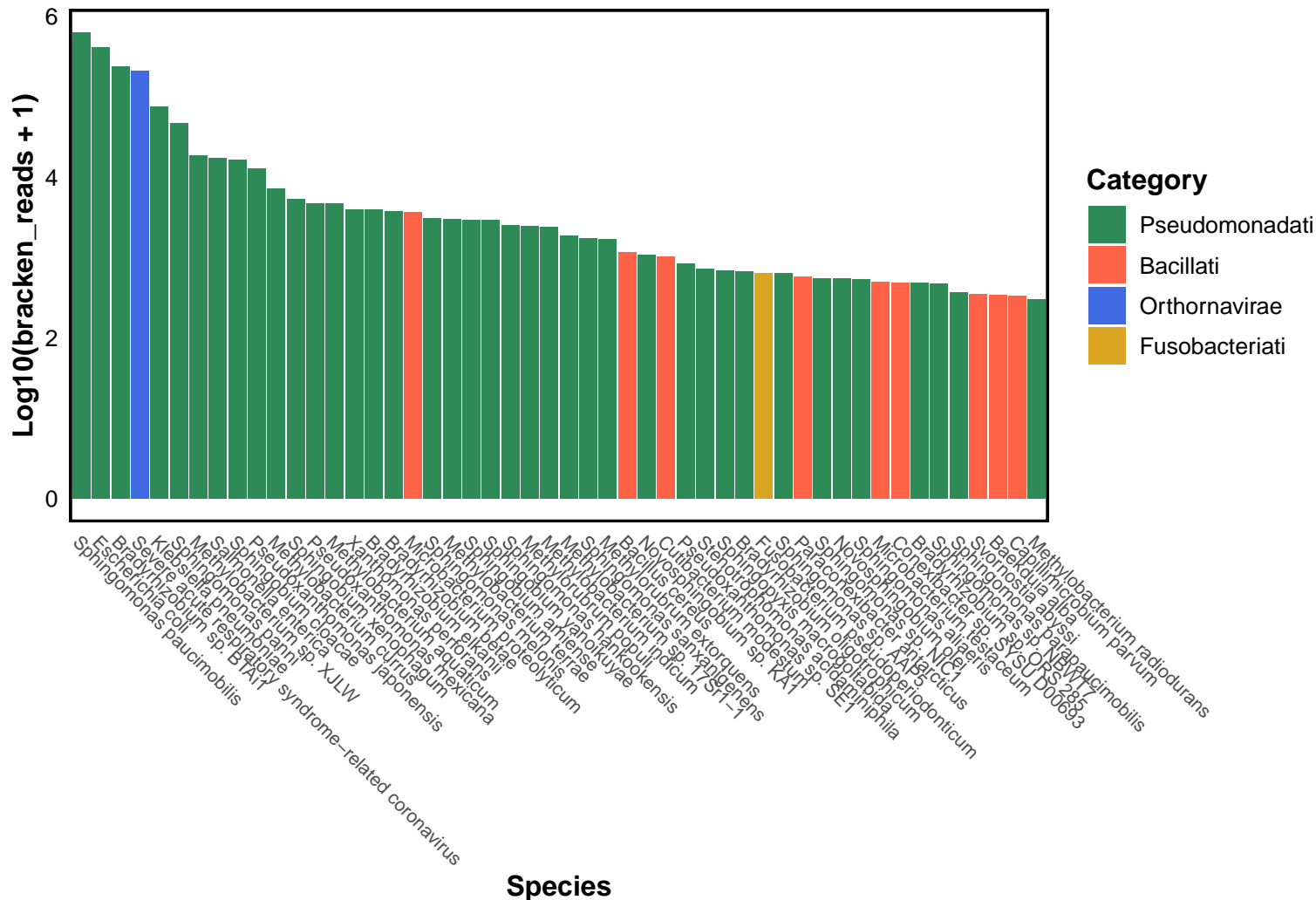
n=1

Number of Species

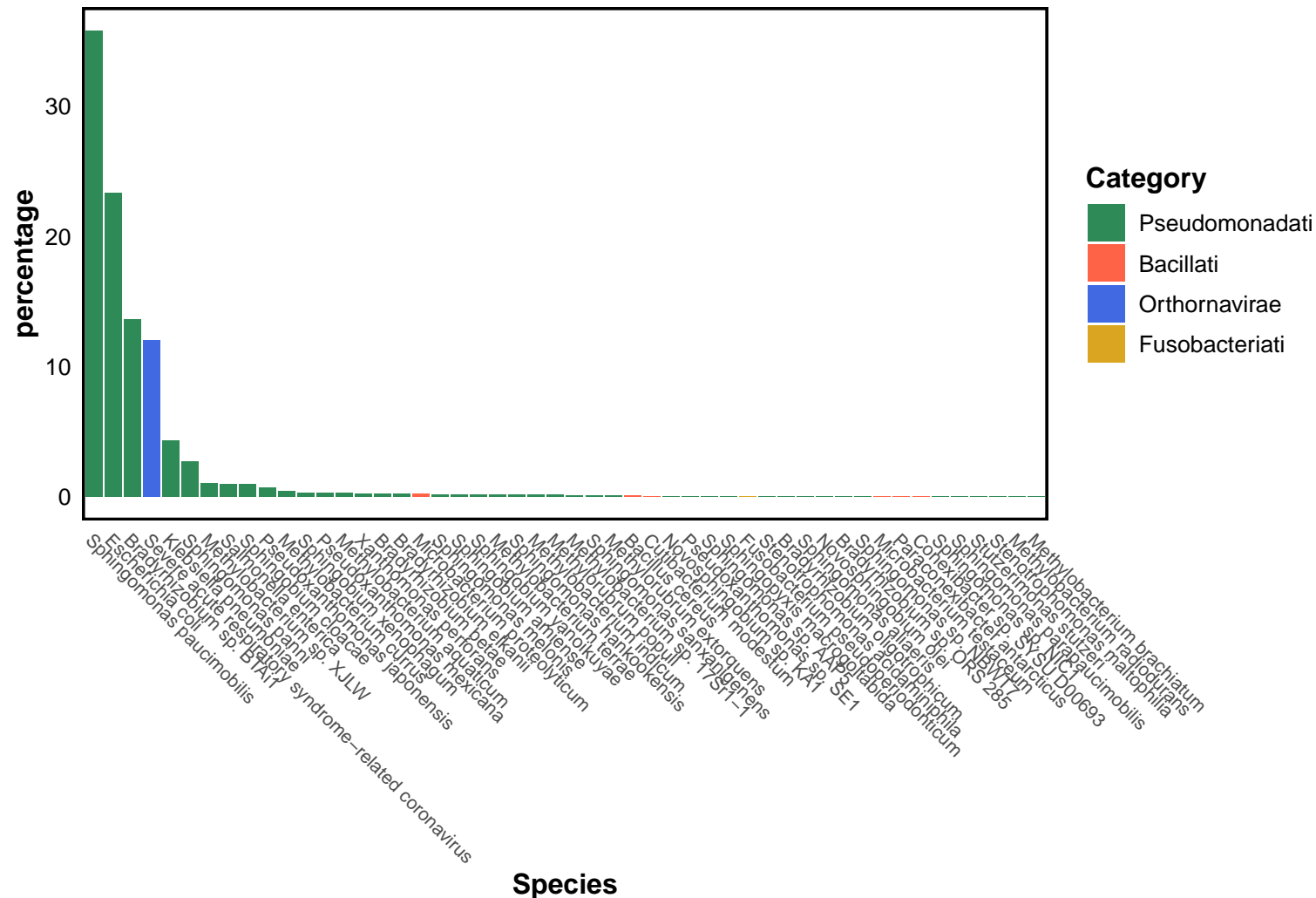


Species by Kingdom – W72504187

Top 50 species by Log10(bracken_reads + 1)

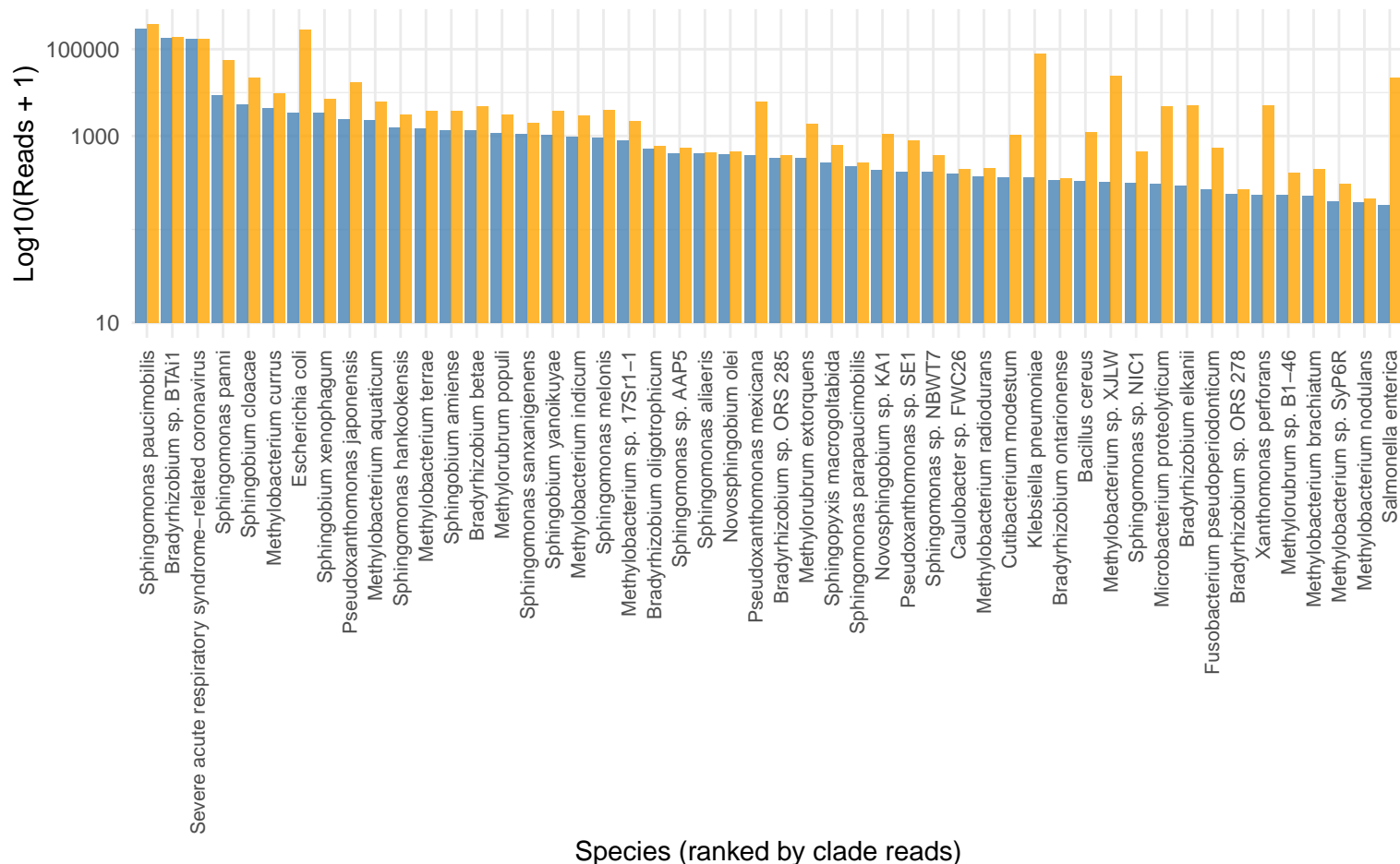


Top 50 species by percentage



Kraken2 vs Bracken Reads – W72504187

Top species (log10 scale)



Read Type



Kraken2 Clade



Bracken

Part 3: Kraken2 Statistics – W72803699

The Kraken2 results for sample W72803699:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 1524
- Number of species found after secondary filtering: 256

Top species in this sample:

Fusobacterium pseudoperiodonticum: 3476631

Veillonella atypica: 3215362

Staphylococcus aureus: 1965875

Solobacterium moorei: 1511178

Gemella sanguinis: 1137955

Campylobacter concisus: 916128

Stomatobaculum sp. F0698: 678342

Lachnoanaerobaculum gingivalis: 660148

Selenomonas sputigena: 565084

Streptococcus infantis: 481758

Sphingomonas paucimobilis: 471974

Streptococcus parasanguinis: 321056

Streptococcus sp. oral taxon 431: 306182

Parvimonas micra: 298250

Streptococcus sp. oral taxon 061: 259340

Veillonella nakazawae: 259225

Leptotrichia sp. oral taxon 212: 216109

Granulicatella adiacens: 210300

Veillonella rogosae: 206012

Streptococcus nidrosiense: 200964

Haemophilus parainfluenzae: 197671

Fusobacterium periodonticum: 196681

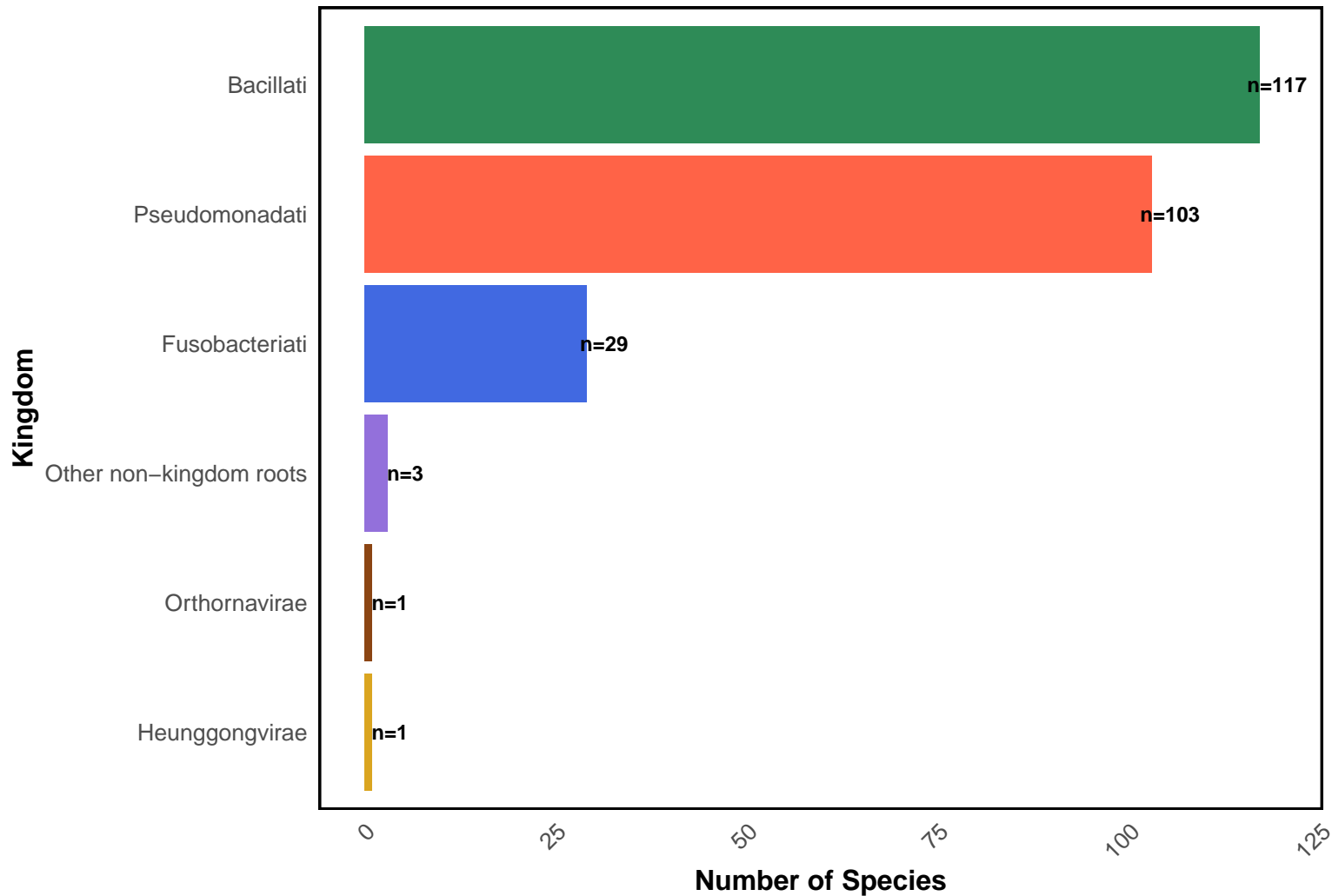
Rothia mucilaginosa: 184568

Streptococcus salivarius: 165267

Haemophilus parahaemolyticus: 162031

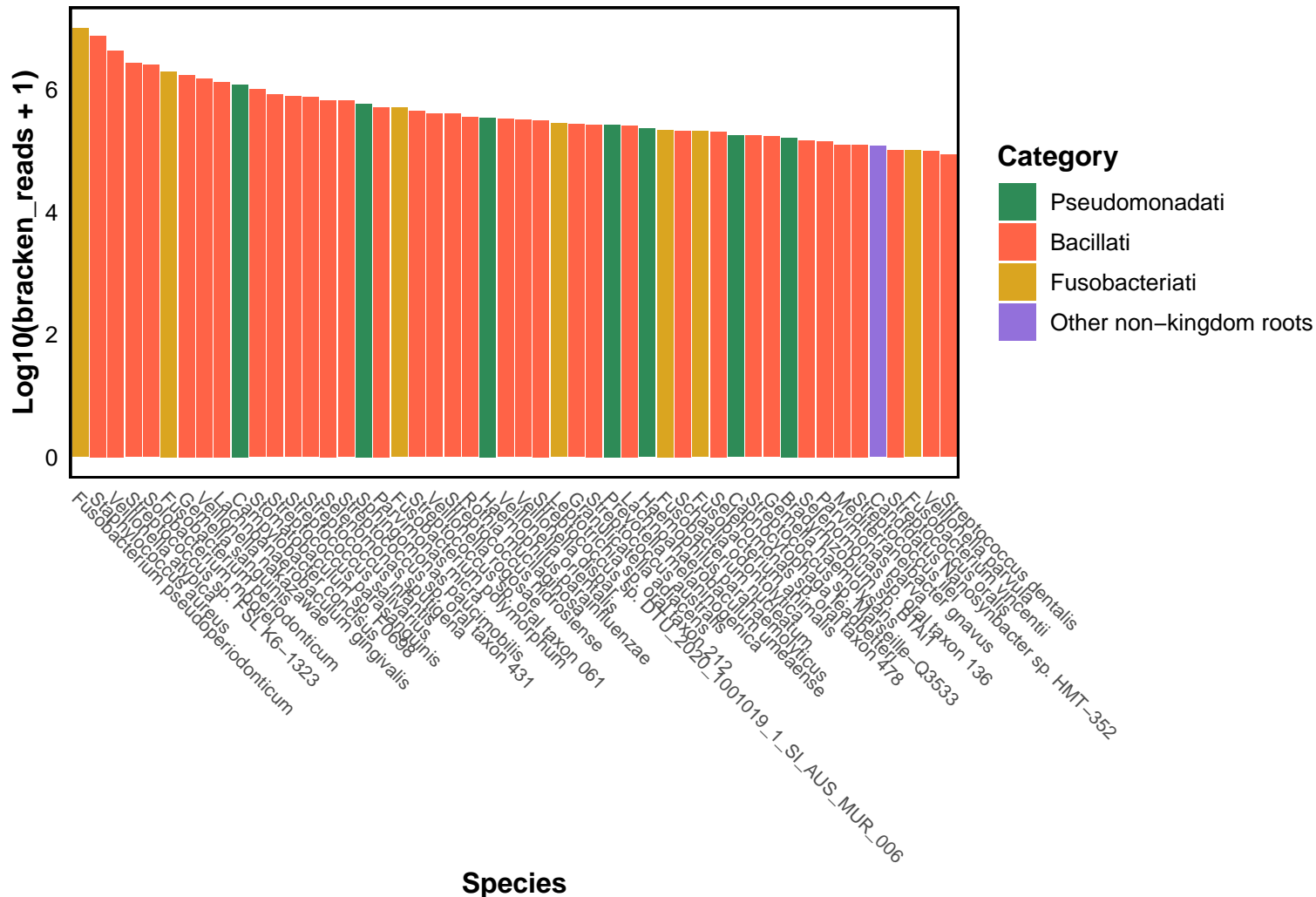
Species per Kingdom – W72803699

Total species: 254

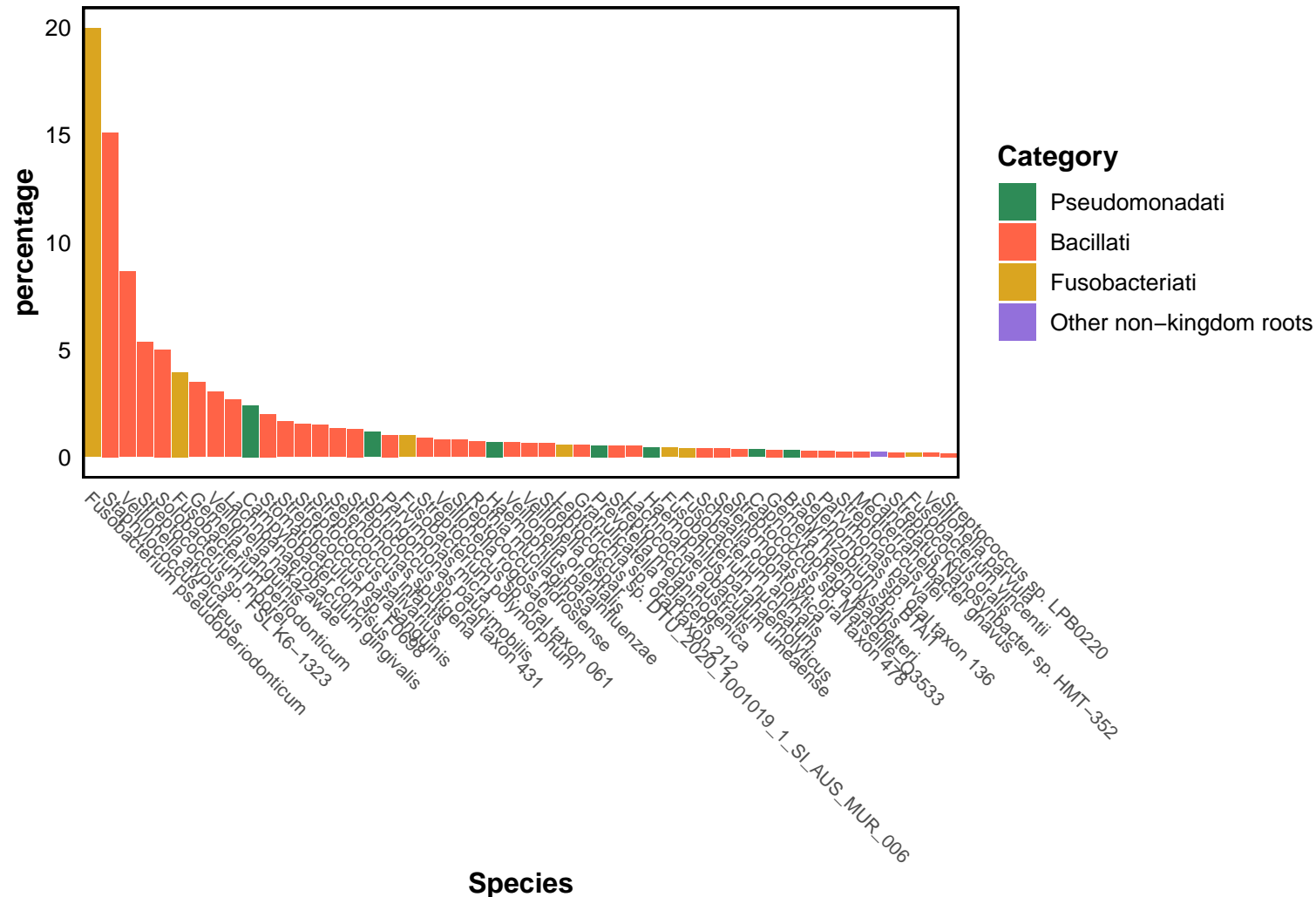


Species by Kingdom – W72803699

Top 50 species by Log10(bracken_reads + 1)

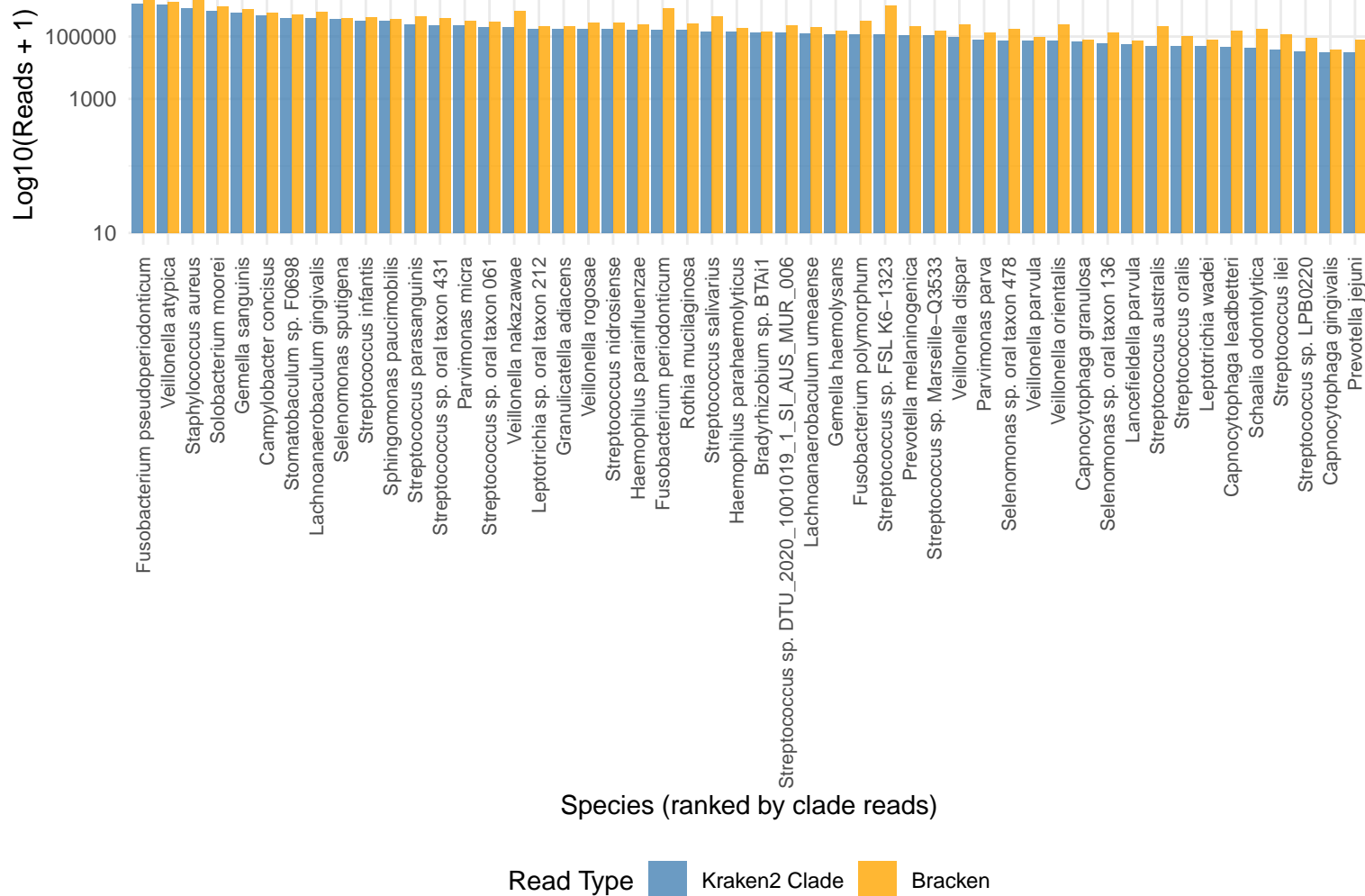


Top 50 species by percentage



Kraken2 vs Bracken Reads – W72803699

Top species (log10 scale)



Part 3: Kraken2 Statistics – W72902029

The Kraken2 results for sample W72902029:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 733
- Number of species found after secondary filtering: 108

Top species in this sample:

Sphingomonas paucimobilis: 881773

Bradyrhizobium sp. BTAi1: 281768

Sphingomonas panni: 12945

Sphingobium cloacae: 8285

Sphingobium xenophagum: 5529

Dolosigranulum pigrum: 5343

Methylobacterium currus: 4712

Pseudoxanthomonas japonensis: 3386

Sphingomonas hankookensis: 2714

Methylobacterium aquaticum: 2691

Bradyrhizobium betae: 2561

Methylobacterium populi: 2526

Sphingobium amiense: 2439

Sphingomonas sanxanigenens: 2212

Sphingobium yanoikuyae: 2146

Methylobacterium terrae: 1831

Sphingomonas melonis: 1743

Methylobacterium indicum: 1358

Methylobacterium sp. 17Sr1-1: 1129

Bradyrhizobium oligotrophicum: 1111

Sphingomonas aliaeris: 1098

Sphingomonas sp. AAP5: 1006

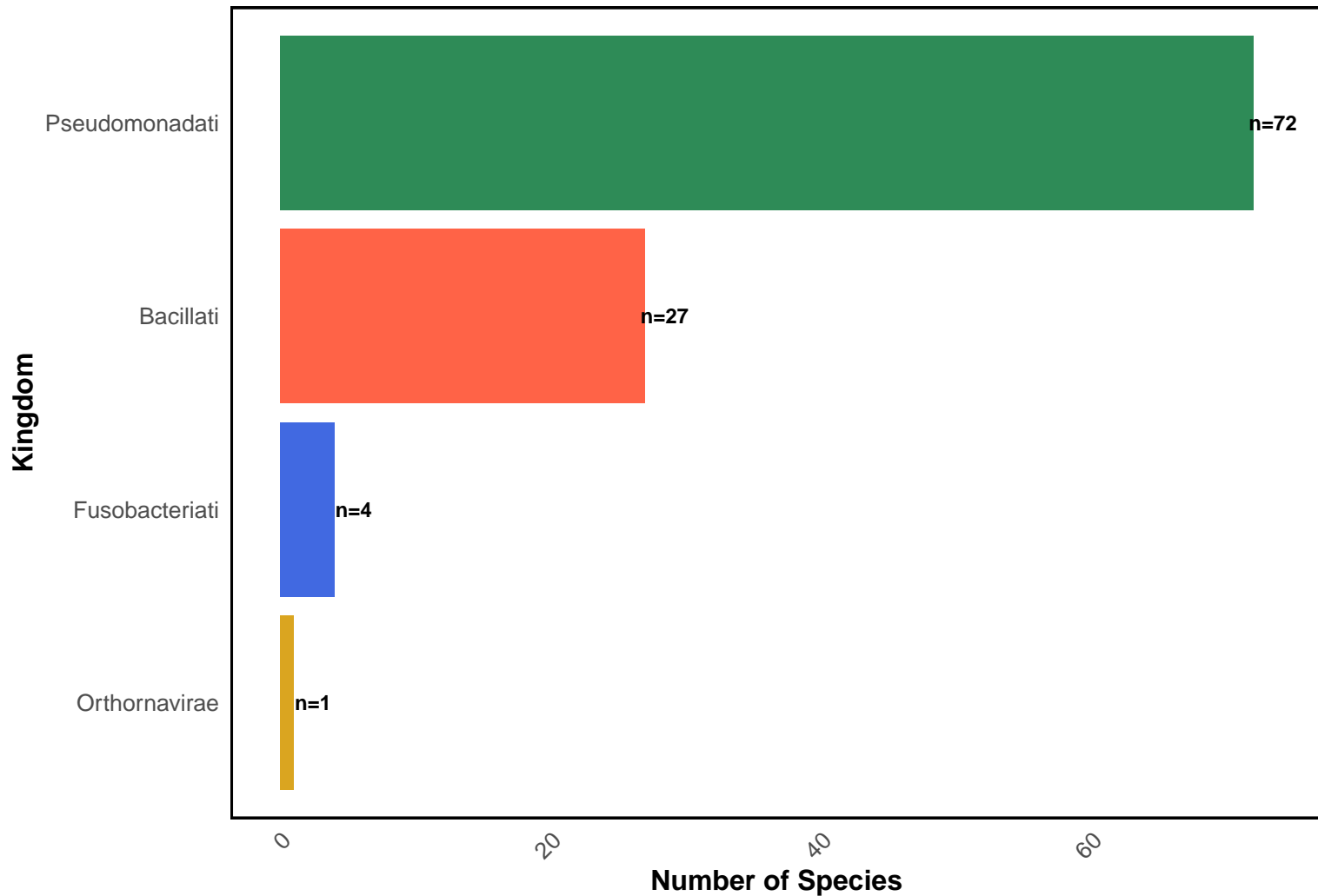
Novosphingobium olei: 983

Sphingopyxis macrogoltabida: 754

Pseudoxanthomonas mexicana: 705

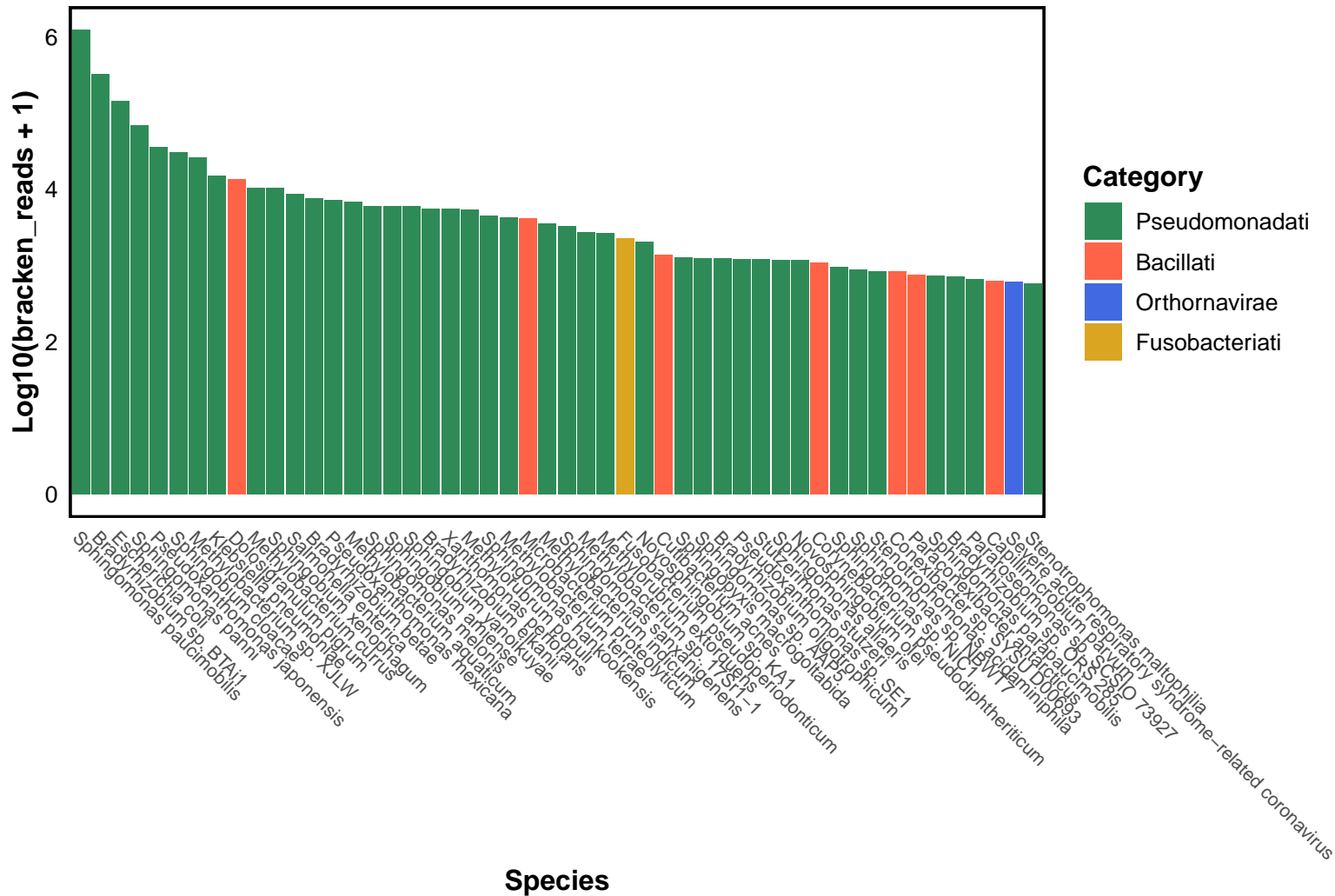
Species per Kingdom – W72902029

Total species: 104

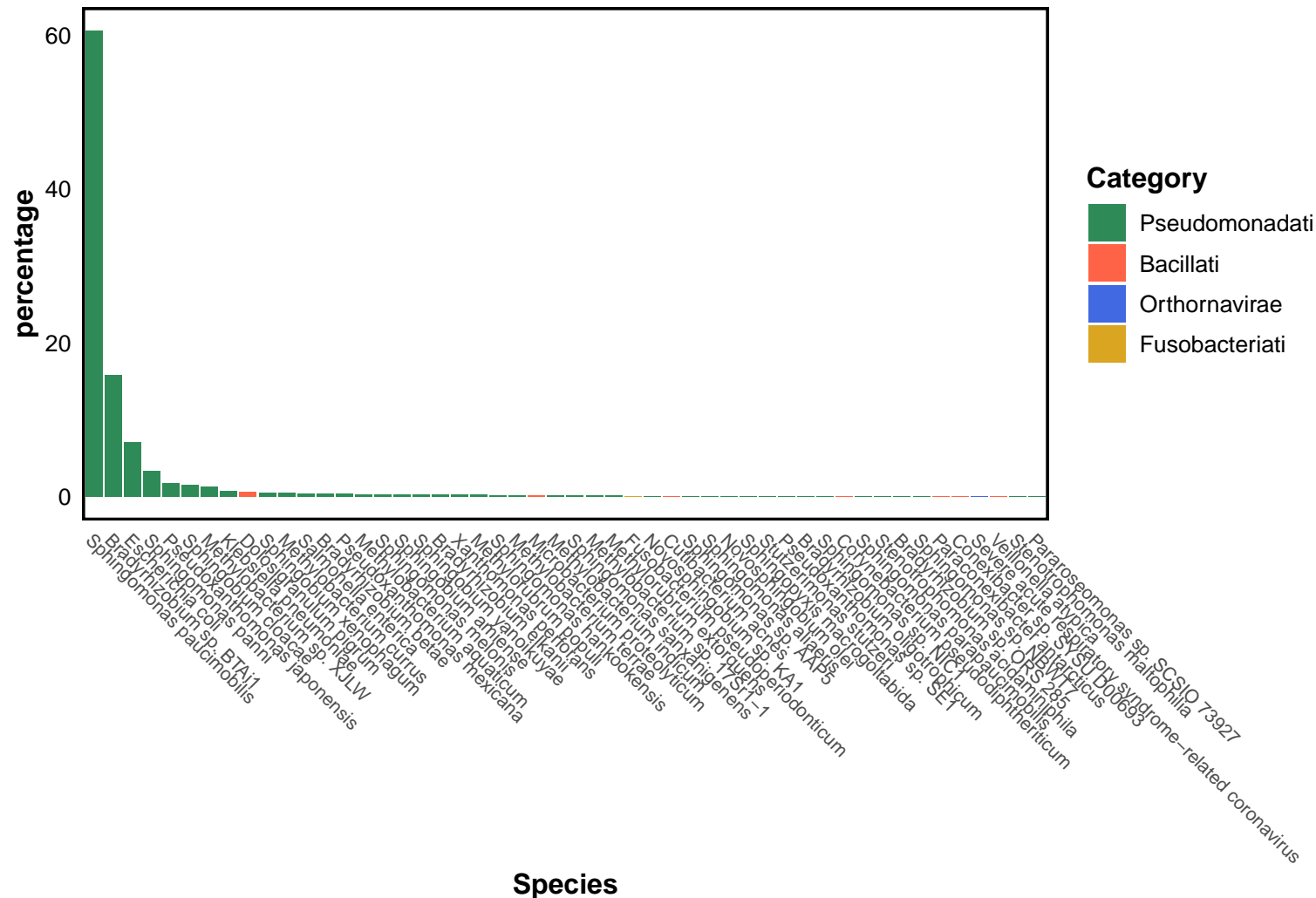


Species by Kingdom – W72902029

Top 50 species by Log10(bracken_reads + 1)

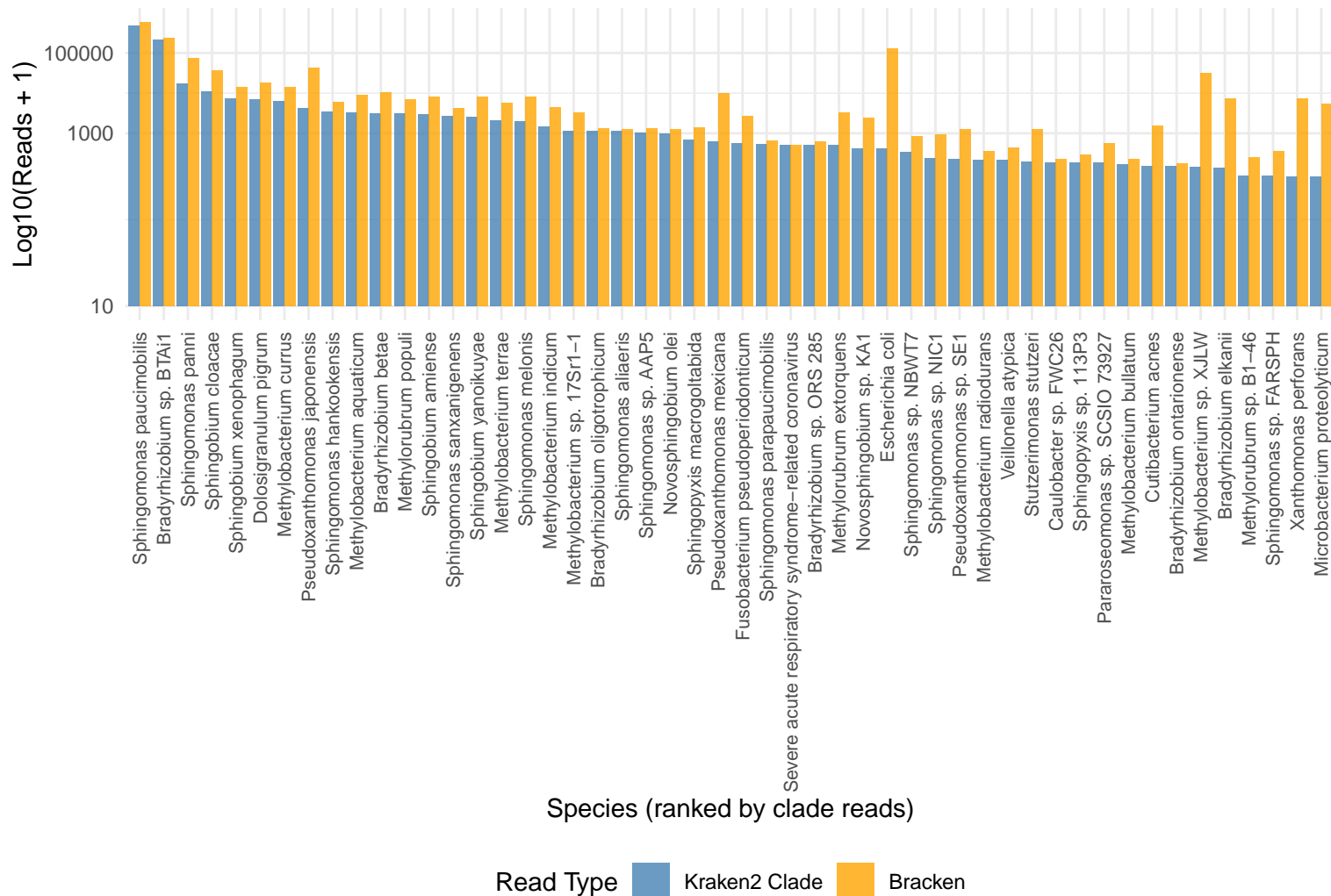


Top 50 species by percentage



Kraken2 vs Bracken Reads – W72902029

Top species (log10 scale)



Part 3: Kraken2 Statistics – W73007482

The Kraken2 results for sample W73007482:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 603
- Number of species found after secondary filtering: 63

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 355676

Pseudoxanthomonas japonensis: 143567

Sphingomonas paucimobilis: 124734

Bradyrhizobium sp. BTAi1: 115979

Pseudoxanthomonas mexicana: 29054

Pseudoxanthomonas sp. SE1: 17456

Pseudoxanthomonas sp. SL93: 5686

Xanthomonas perforans: 5620

Stenotrophomonas acidaminiphila: 3145

Stenotrophomonas maltophilia: 2373

Sphingomonas panni: 1899

Bradyrhizobium betae: 1037

Sphingobium cloacae: 928

Sphingobium xenophagum: 653

Cutibacterium acnes: 633

Bradyrhizobium oligotrophicum: 535

Fusobacterium pseudoperiodonticum: 514

Pseudoxanthomonas suwonensis: 437

Sphingomonas hankookensis: 361

Mycolicibacterium doricum: 344

Sphingobium amiense: 307

Sphingomonas sanxanigenens: 270

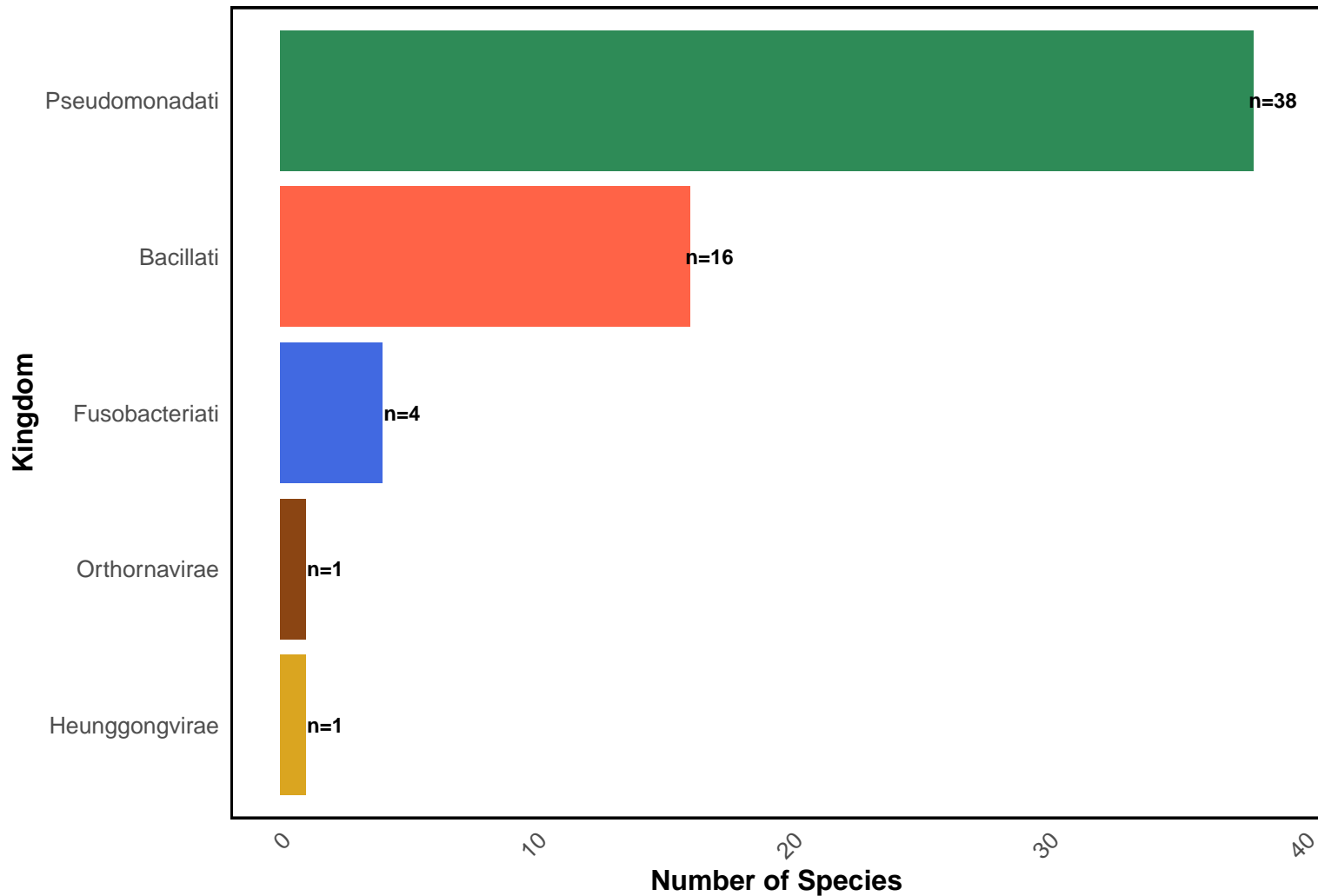
Sphingobium yanoikuyae: 260

Sphingomonas melonis: 251

Veillonella atypica: 251

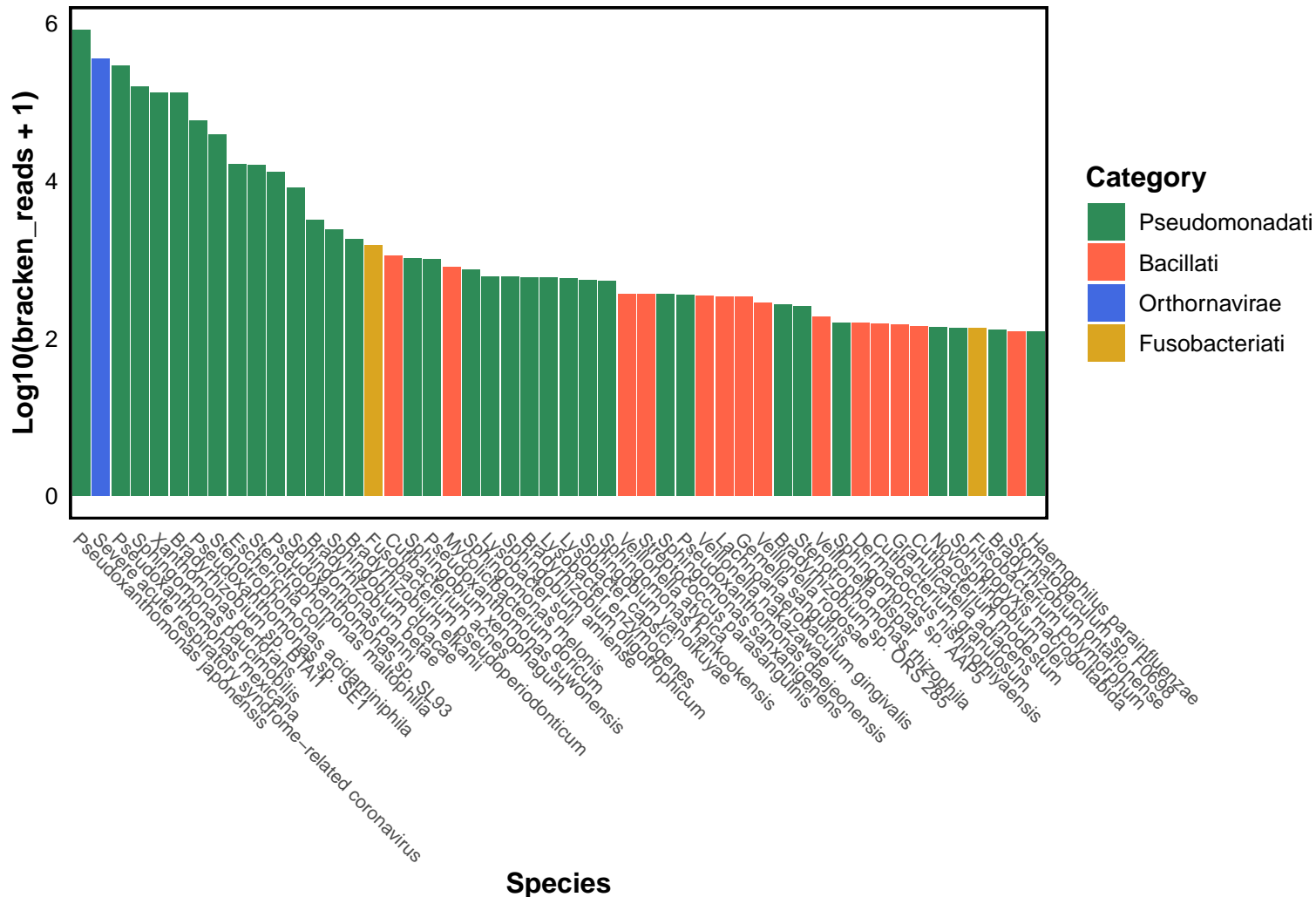
Species per Kingdom – W73007482

Total species: 60

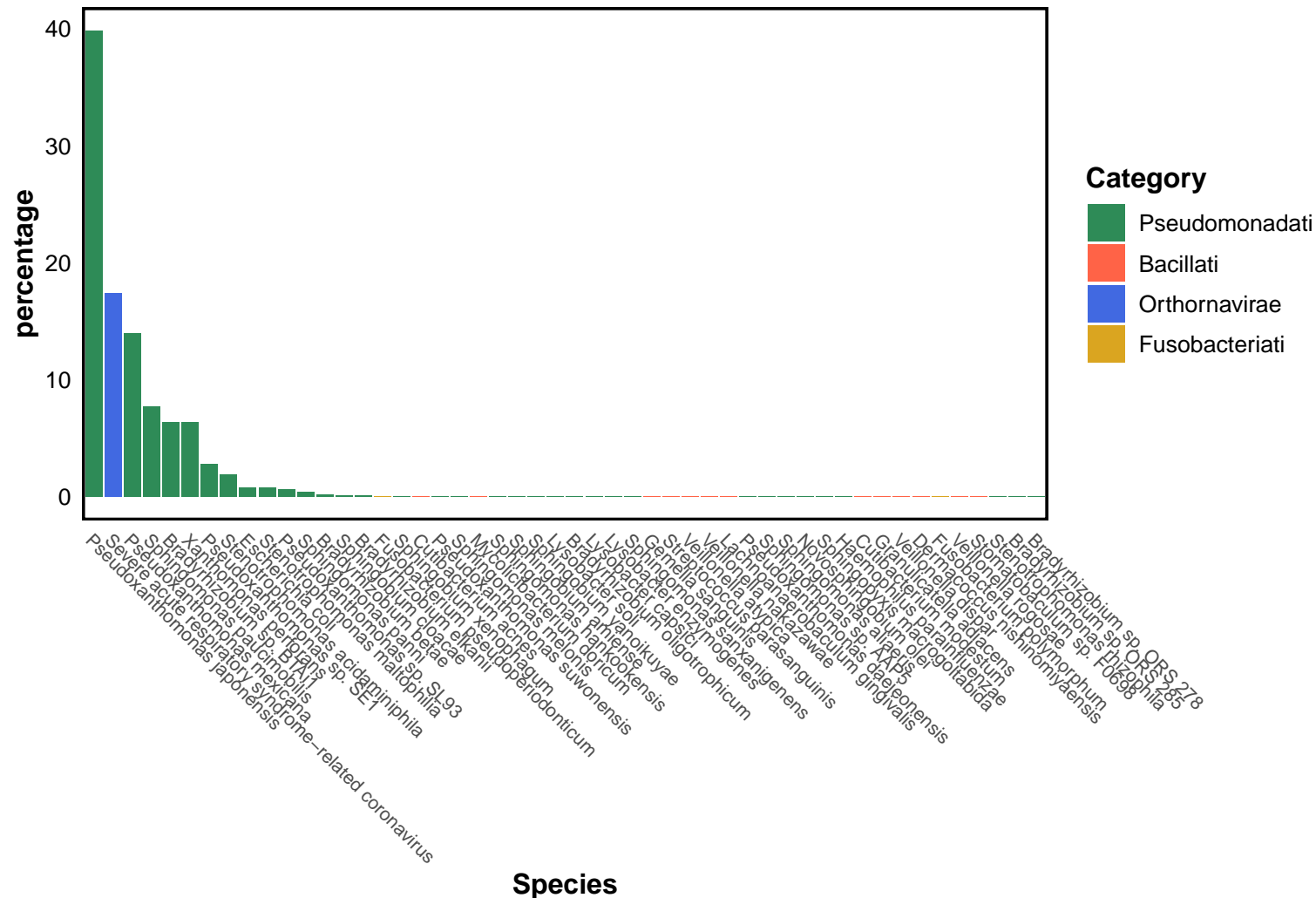


Species by Kingdom – W73007482

Top 50 species by Log10(bracken_reads + 1)

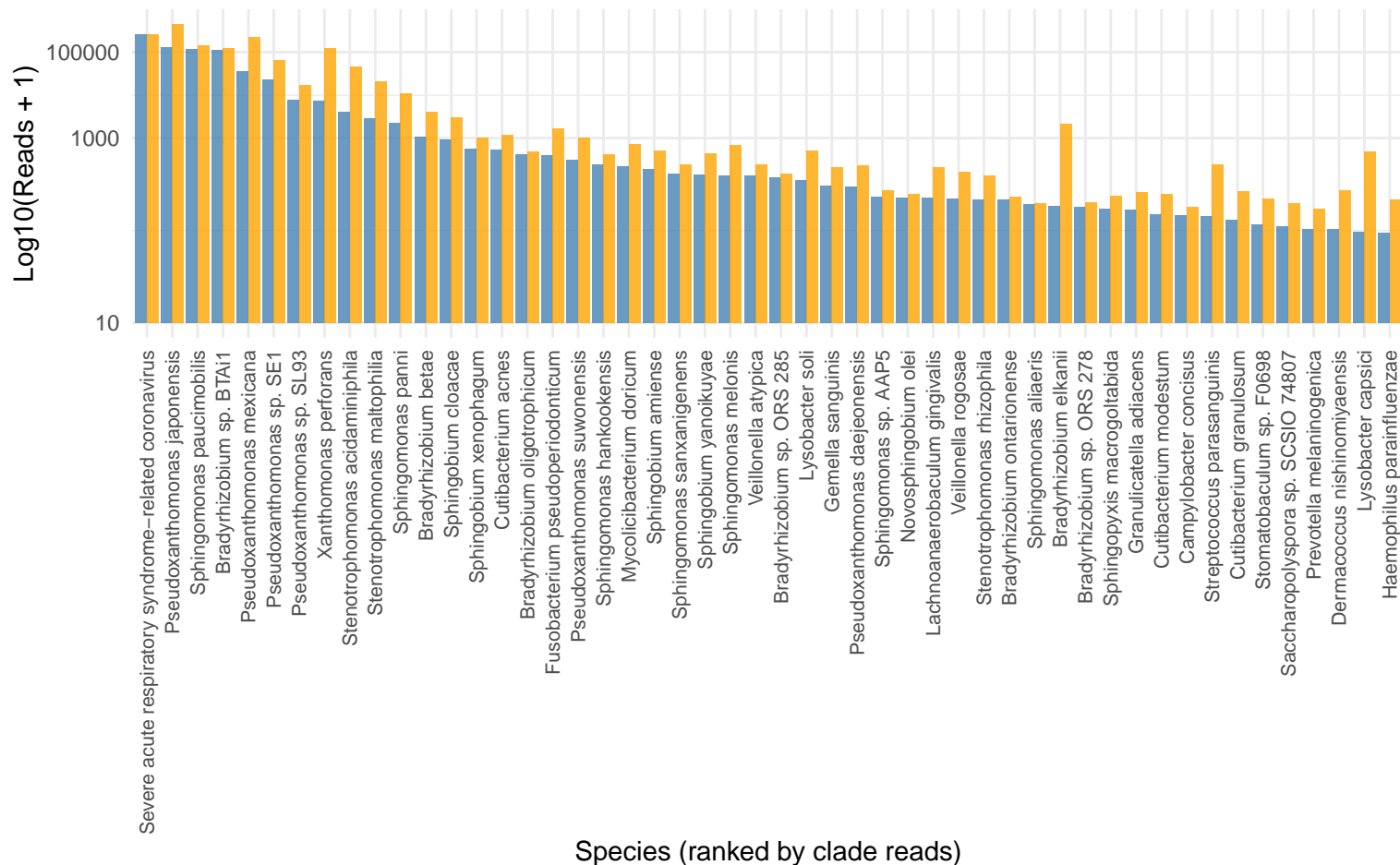


Top 50 species by percentage



Kraken2 vs Bracken Reads – W73007482

Top species (log10 scale)



Read Type ■ Kraken2 Clade ■ Bracken

Part 3: Kraken2 Statistics – W73007677

The Kraken2 results for sample W73007677:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 292
- Number of species found after secondary filtering: 28

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 10722458

Elizabethkingia anophelis: 614

Escherichia coli: 558

Cutibacterium acnes: 208

Fusobacterium pseudoperiodonticum: 170

Priestia megaterium: 162

Bacillus cereus: 146

Corynebacterium kroppenstedtii: 95

Acinetobacter haemolyticus: 91

Stutzerimonas stutzeri: 78

Sphingomonas paucimobilis: 73

Gemella sanguinis: 51

Cutibacterium modestum: 47

Veillonella atypica: 47

Corynebacterium tuberculoostearicum: 46

Klebsiella pneumoniae: 40

Brevundimonas diminuta: 40

Pseudomonas aeruginosa: 35

Herbaspirillum huttiense: 34

Bradyrhizobium sp. BTAi1: 33

Cupriavidus metallidurans: 30

Winkia neuui: 30

Veillonella rogosae: 28

Pseudomonas sp. PS1(2021): 25

Staphylococcus epidermidis: 15

Species per Kingdom – W73007677

Total species: 26

Kingdom

Pseudomonadati

n=13

Bacillati

n=11

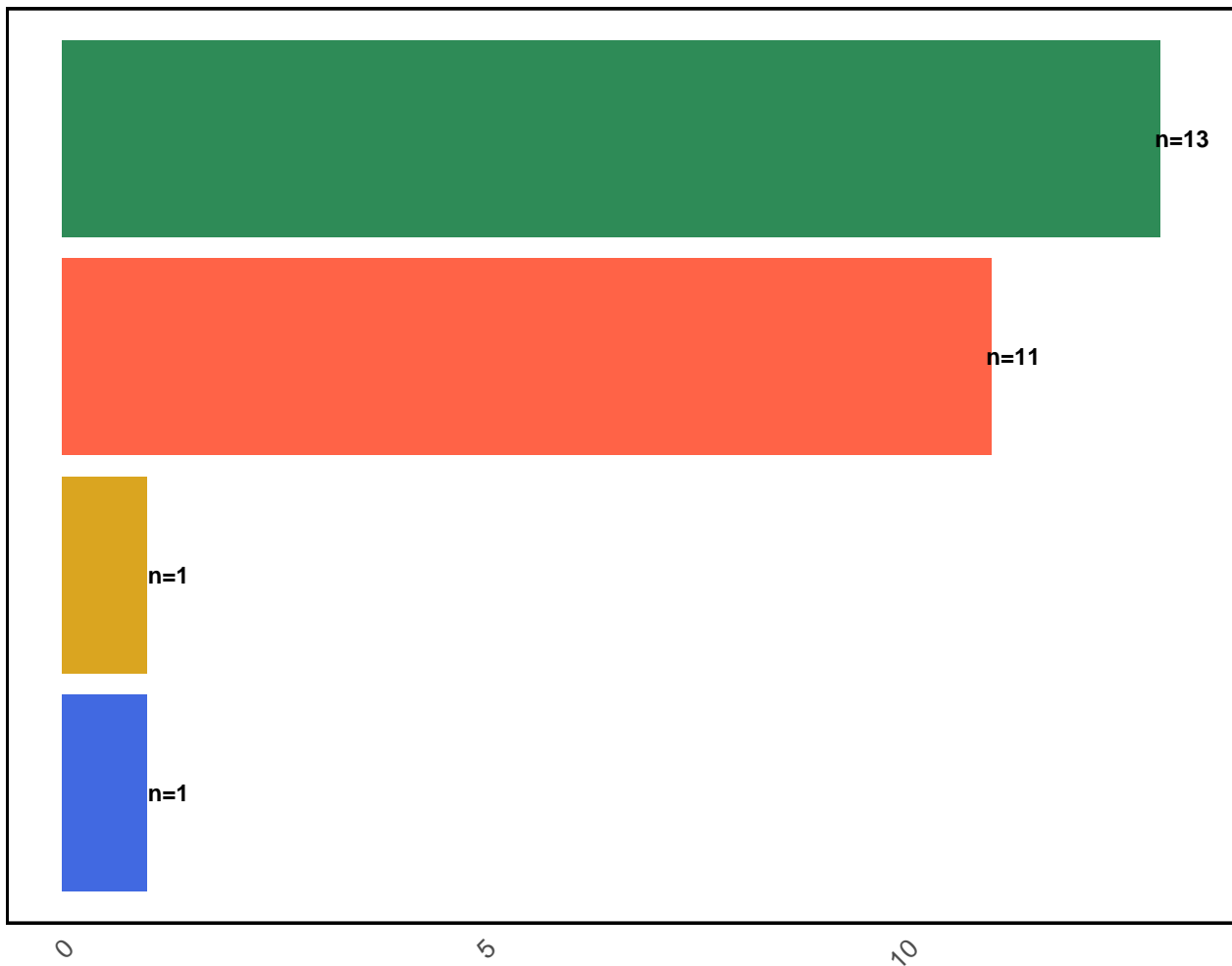
Orthornavirae

n=1

Fusobacteriati

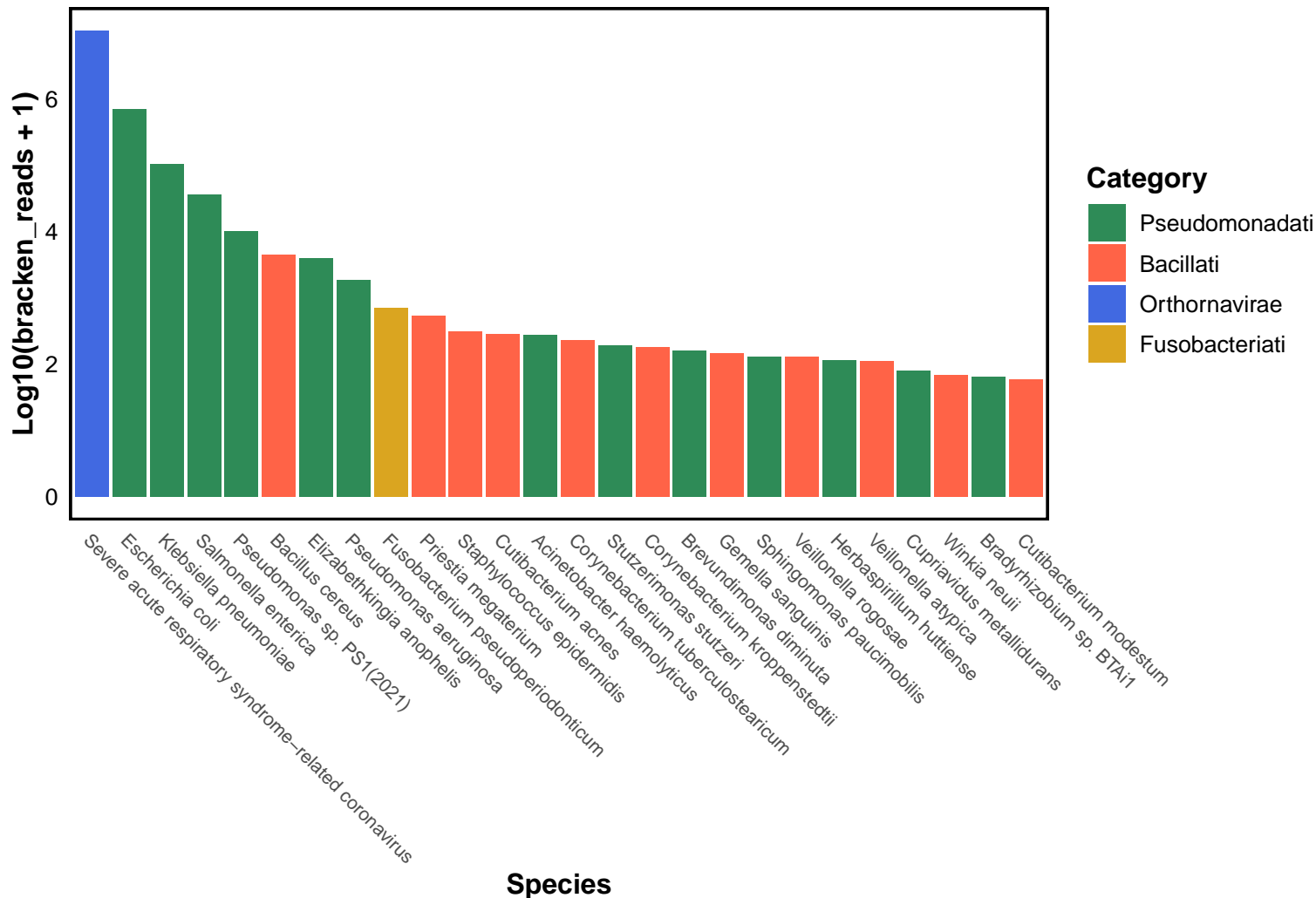
n=1

Number of Species



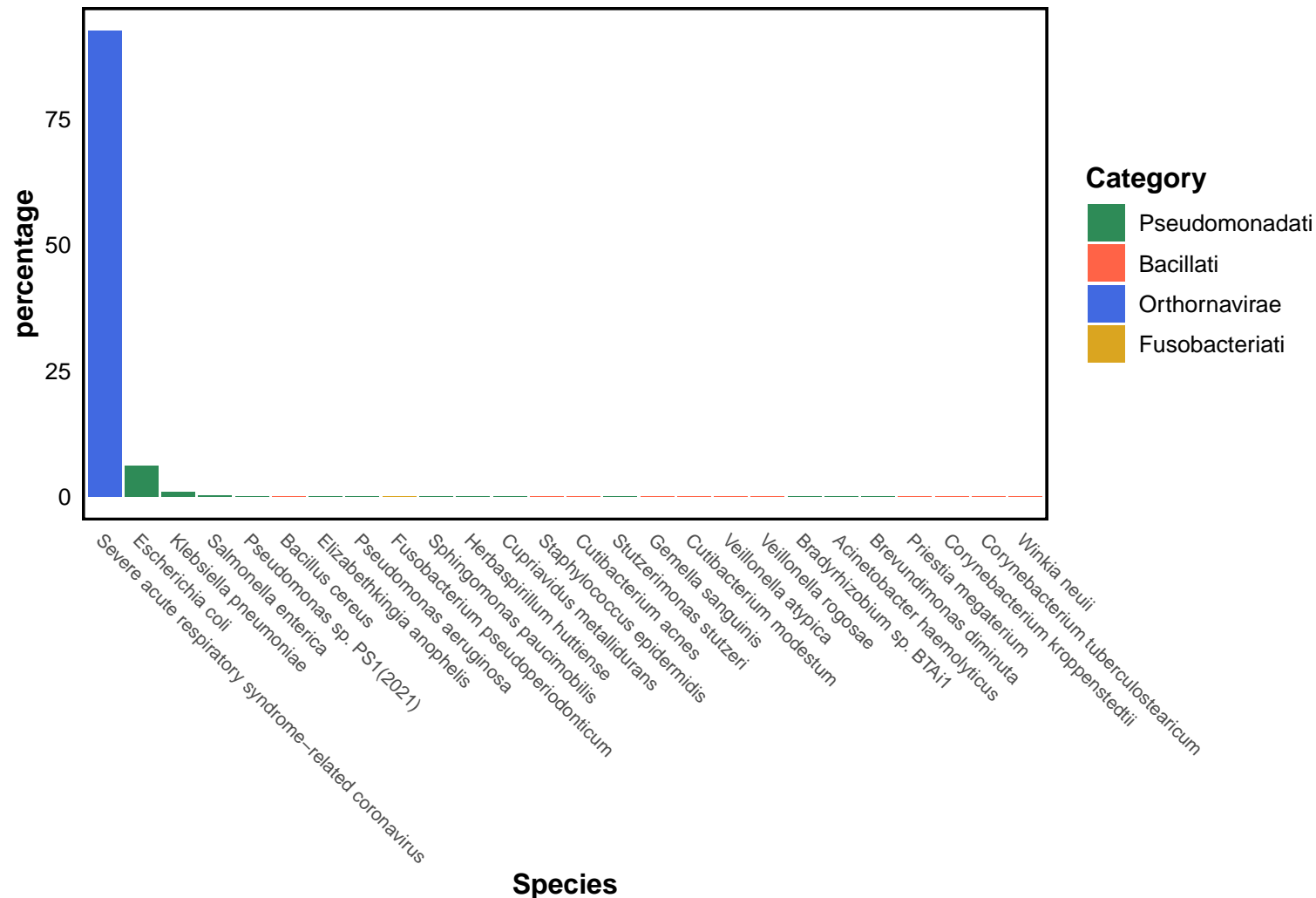
Species by Kingdom – W73007677

Top 26 species by Log10(bracken_reads + 1)



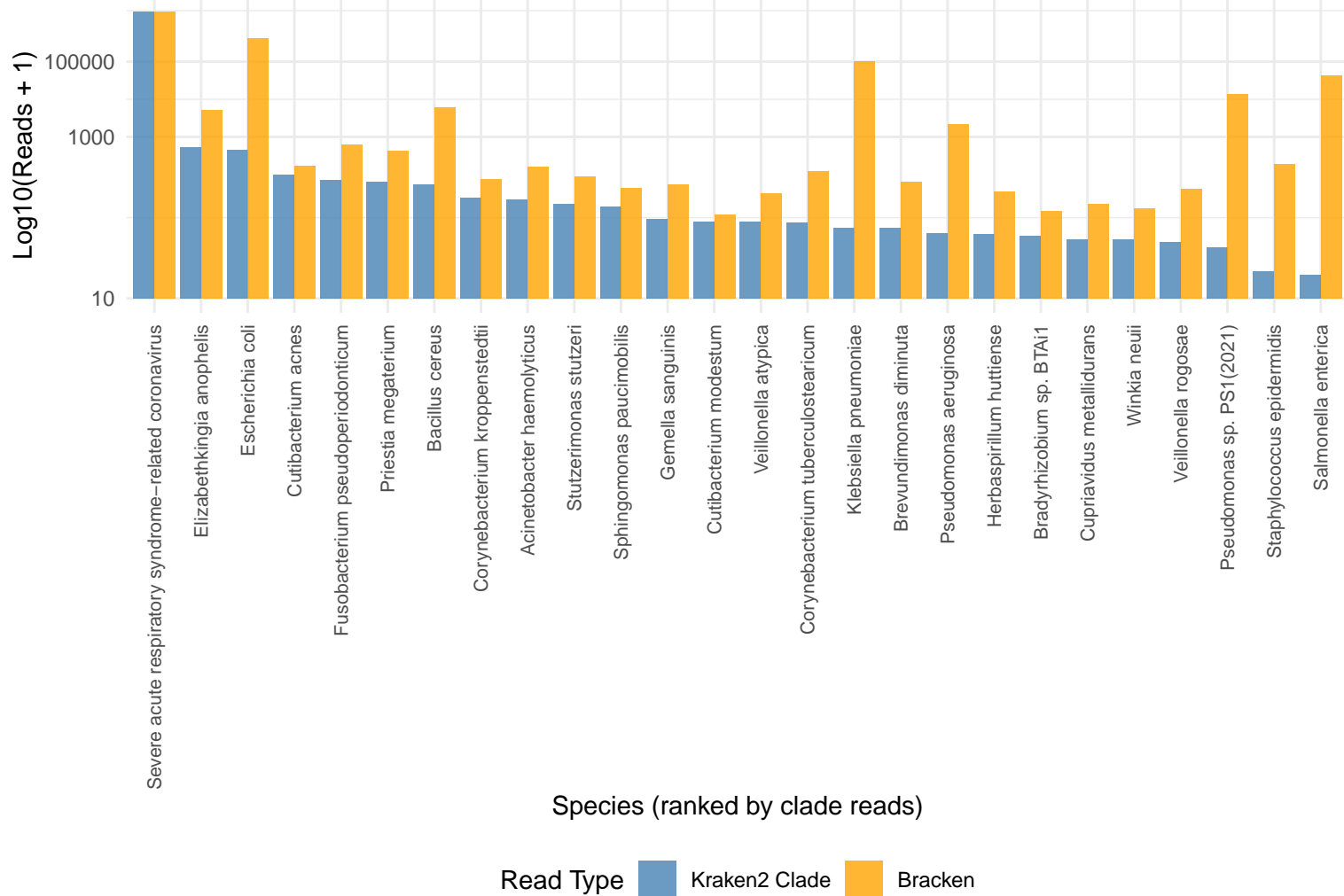
Species by Kingdom – W73007677

Top 26 species by percentage



Kraken2 vs Bracken Reads – W73007677

Top species (log10 scale)



Part 3: Kraken2 Statistics – W73007934

The Kraken2 results for sample W73007934:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 321
- Number of species found after secondary filtering: 42

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 9051

Fusobacterium necrophorum: 8073

Fusobacterium pseudoperiodonticum: 936

Veillonella atypica: 834

Cutibacterium acnes: 382

Solobacterium moorei: 380

Gemella sanguinis: 289

Campylobacter concisus: 228

Escherichia coli: 192

Sphingomonas paucimobilis: 191

Stomatobaculum sp. F0698: 175

Lachnoanaerobaculum gingivalis: 164

Cutibacterium modestum: 163

Selenomonas sputigena: 133

Streptococcus oralis: 111

Veillonella parvula: 104

Streptococcus parasanguinis: 102

Granulicatella adiacens: 98

Streptococcus infantis: 93

Bradyrhizobium sp. BTAi1: 82

Streptococcus sanguinis: 79

Staphylococcus epidermidis: 75

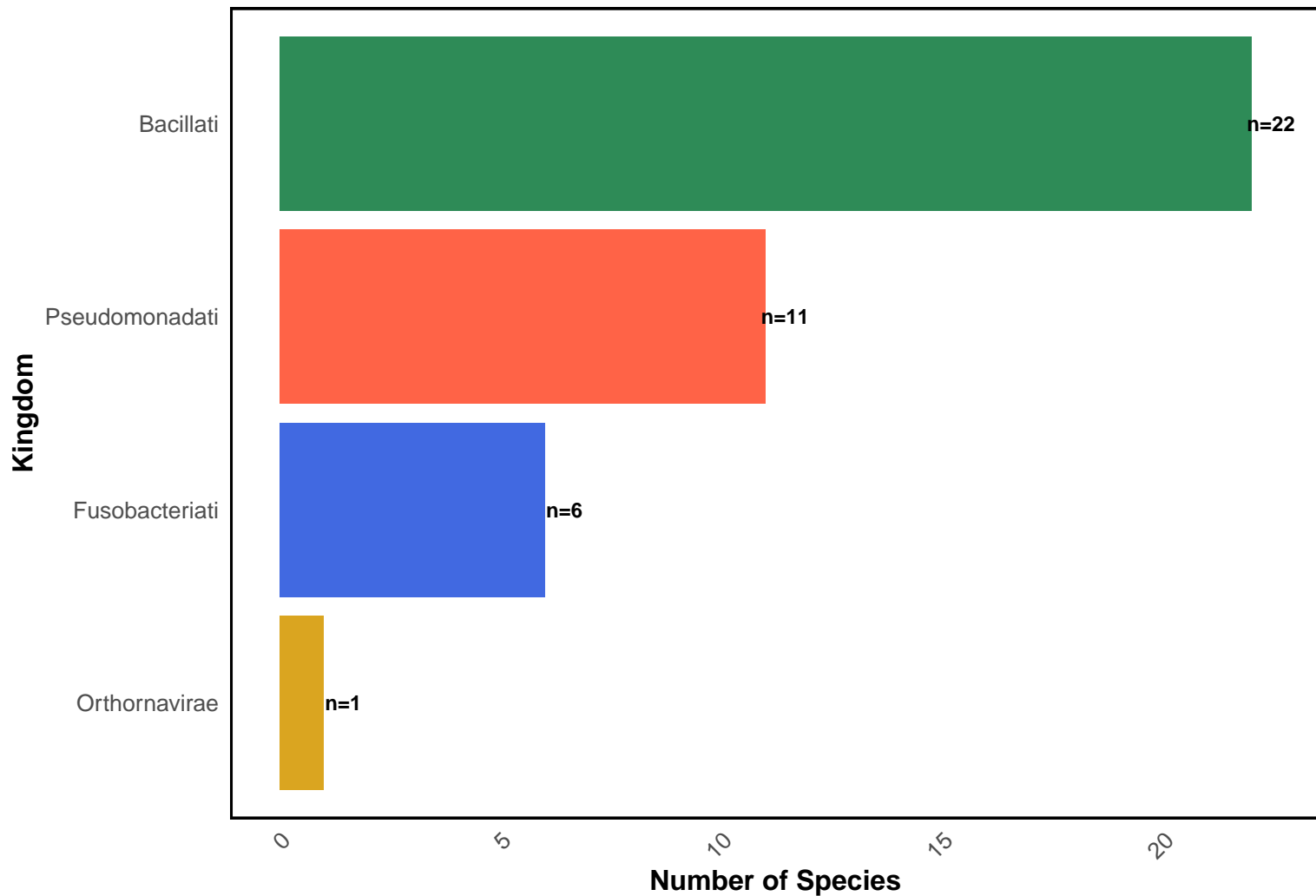
Veillonella rogosae: 69

Streptococcus sp. oral taxon 431: 64

Streptococcus salivarius: 64

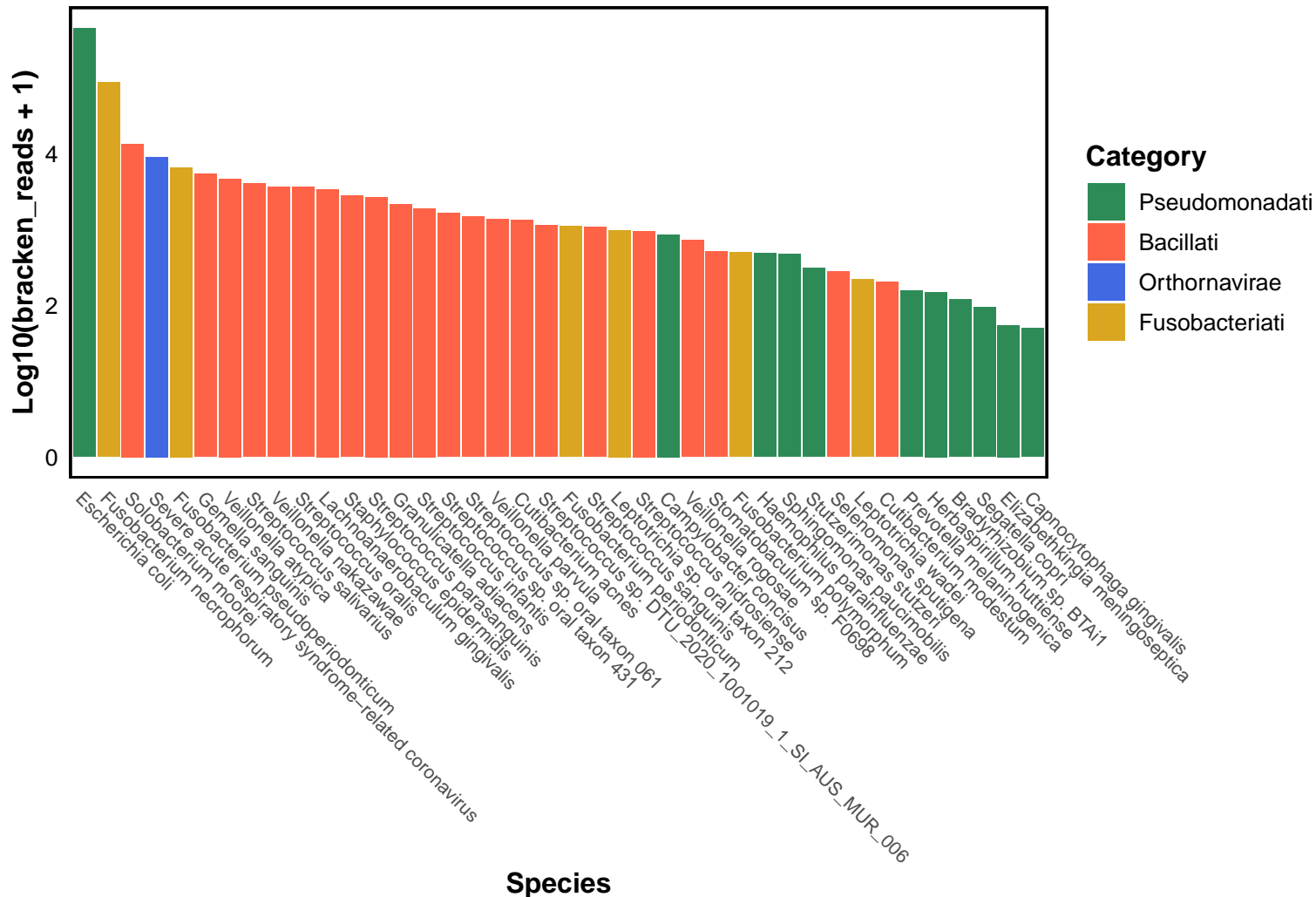
Species per Kingdom – W73007934

Total species: 40

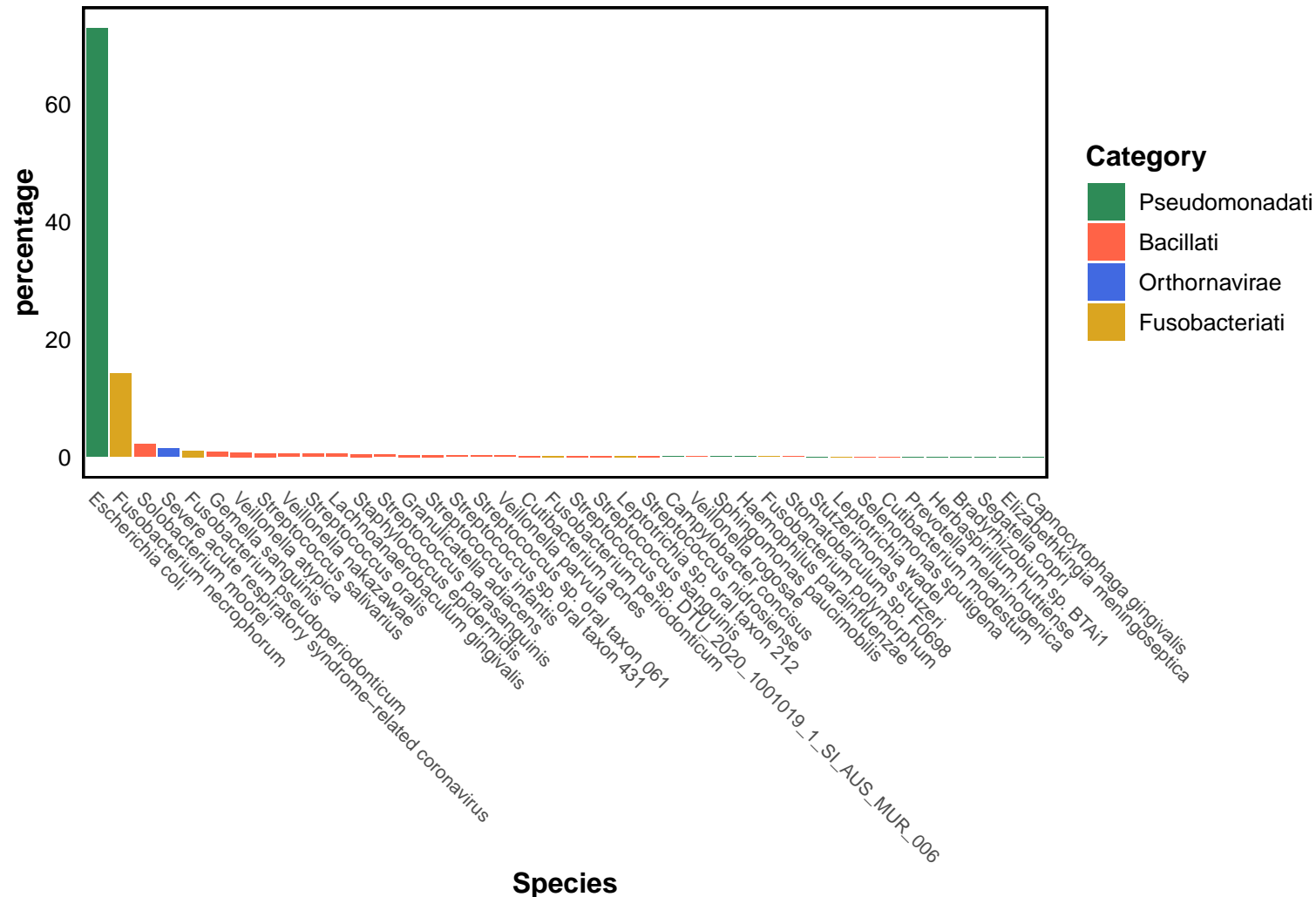


Species by Kingdom – W73007934

Top 40 species by Log10(bracken_reads + 1)

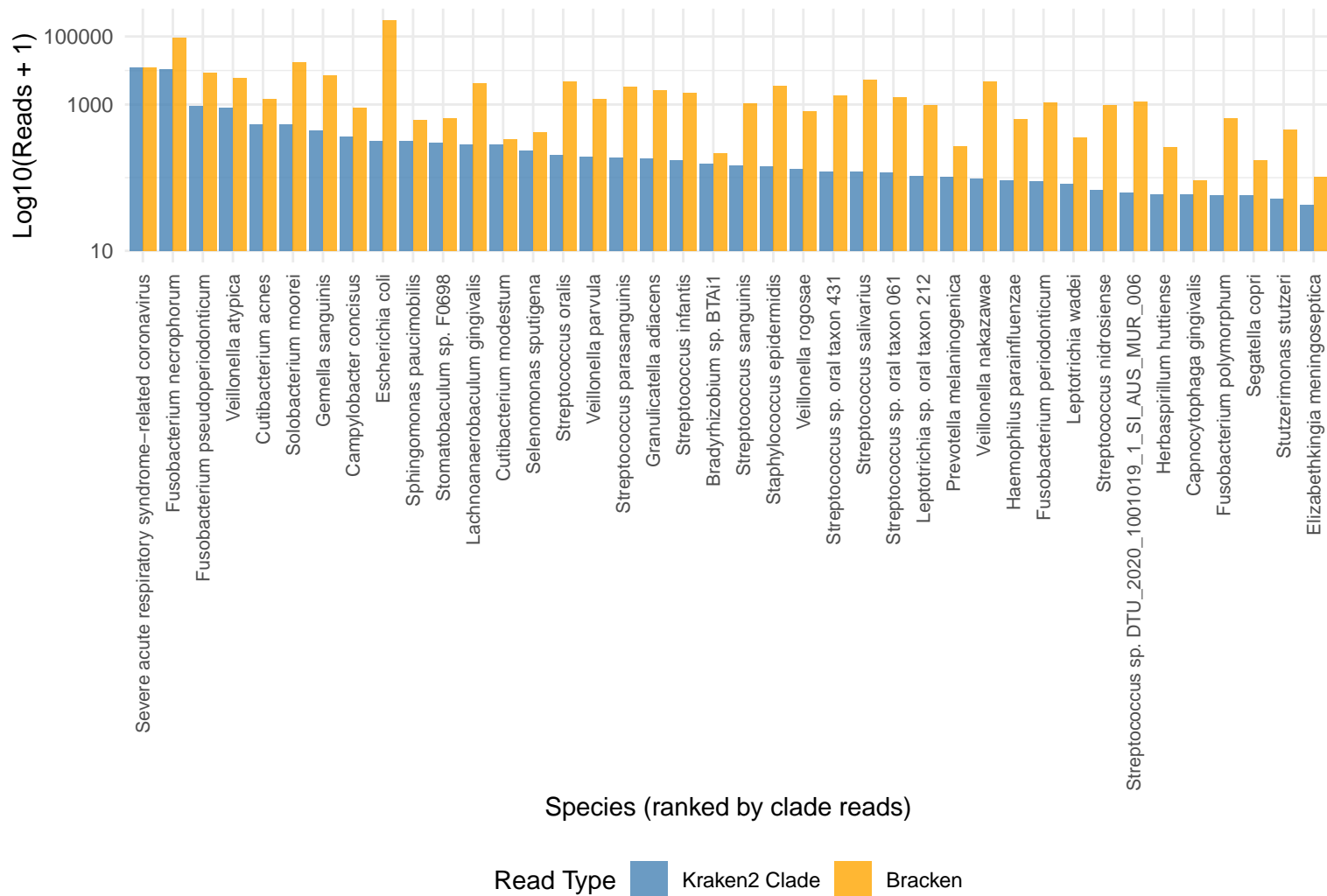


Top 40 species by percentage



Kraken2 vs Bracken Reads – W73007934

Top species (log10 scale)



Part 3: Kraken2 Statistics – W73109775

The Kraken2 results for sample W73109775:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 448
- Number of species found after secondary filtering: 23

Top species in this sample:

Escherichia coli: 54867

Klebsiella pneumoniae: 4418

Shigella flexneri: 1606

Severe acute respiratory syndrome-related coronavirus: 1564

Salmonella enterica: 1533

Escherichia albertii: 846

Cutibacterium acnes: 469

Escherichia fergusonii: 313

Fusobacterium pseudoperiodonticum: 291

Gemella sanguinis: 187

Herbaspirillum huttiense: 178

Stutzerimonas stutzeri: 176

Veillonella atypica: 164

Campylobacter concisus: 95

Prevotella melaninogenica: 75

Veillonella rogosae: 65

Corynebacterium accolens: 53

Haemophilus parainfluenzae: 44

Cutibacterium granulosum: 44

Gemella haemolysans: 36

Leptotrichia sp. oral taxon 212: 29

Capnocytophaga gingivalis: 29

Species per Kingdom – W73109775

Total species: 22

Kingdom

Pseudomonadati

n=12

Bacillati

n=7

Fusobacteriati

n=2

Orthornavirae

n=1

0.0

2.5

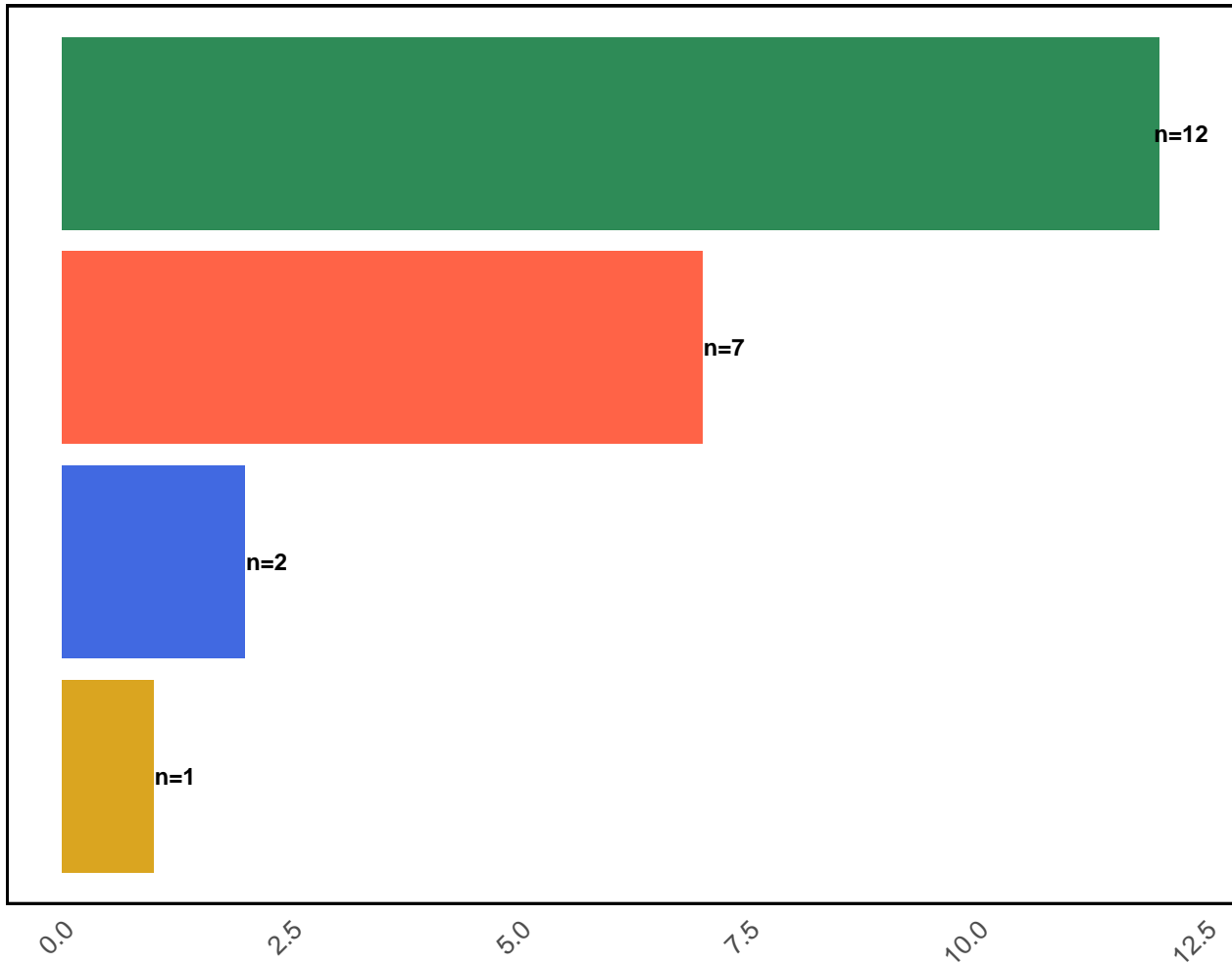
5.0

7.5

10.0

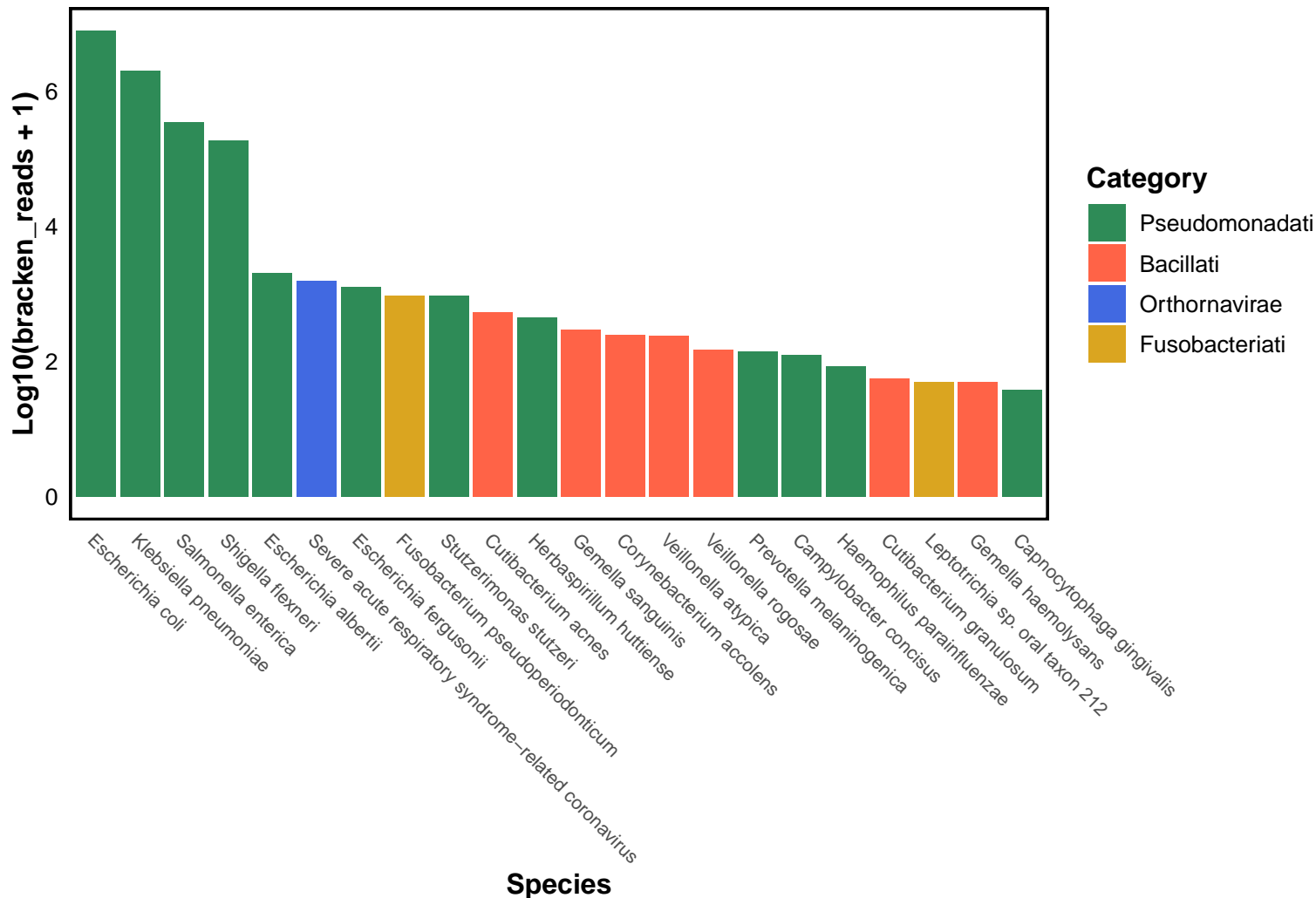
12.5

Number of Species



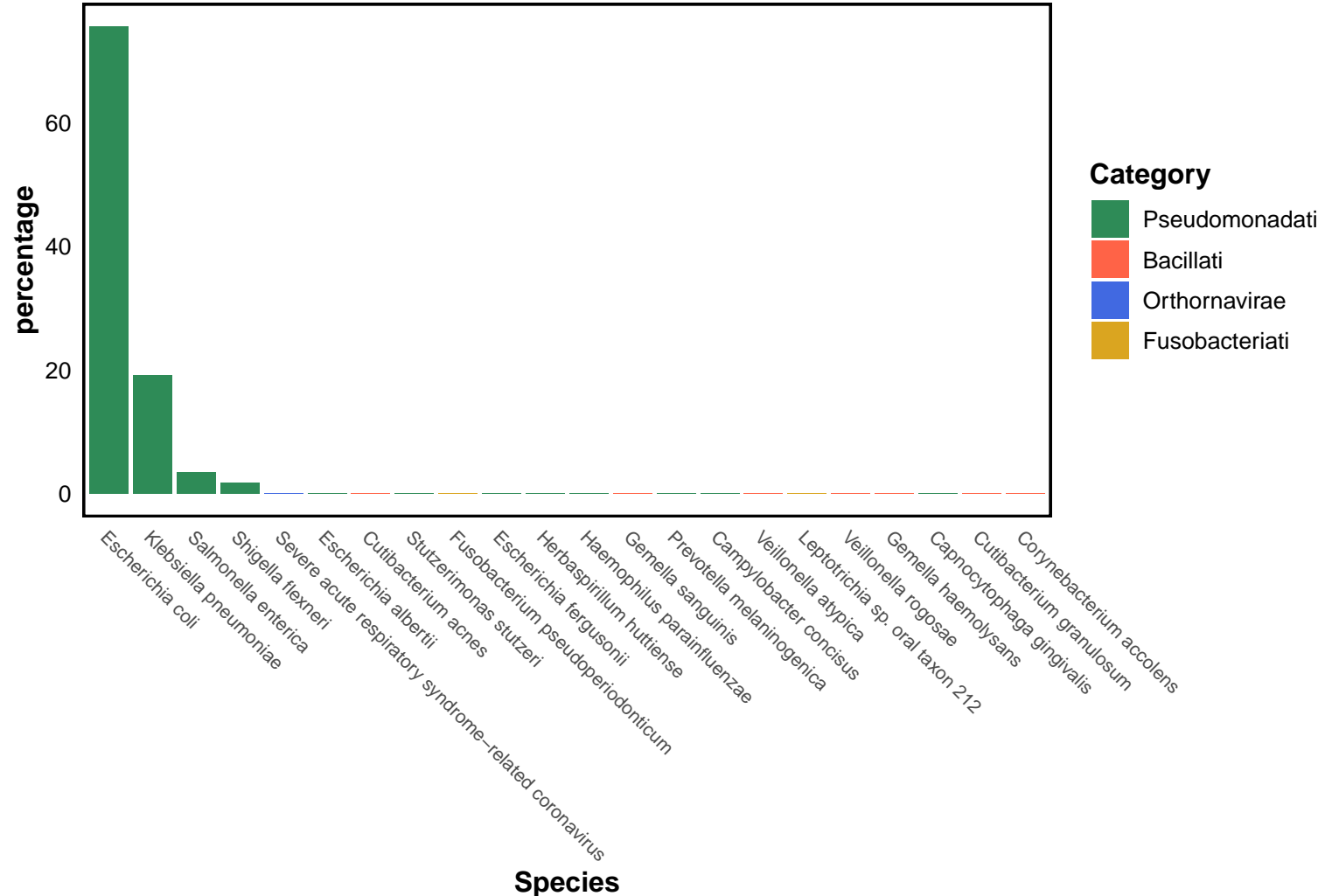
Species by Kingdom – W73109775

Top 22 species by Log10(bracken_reads + 1)



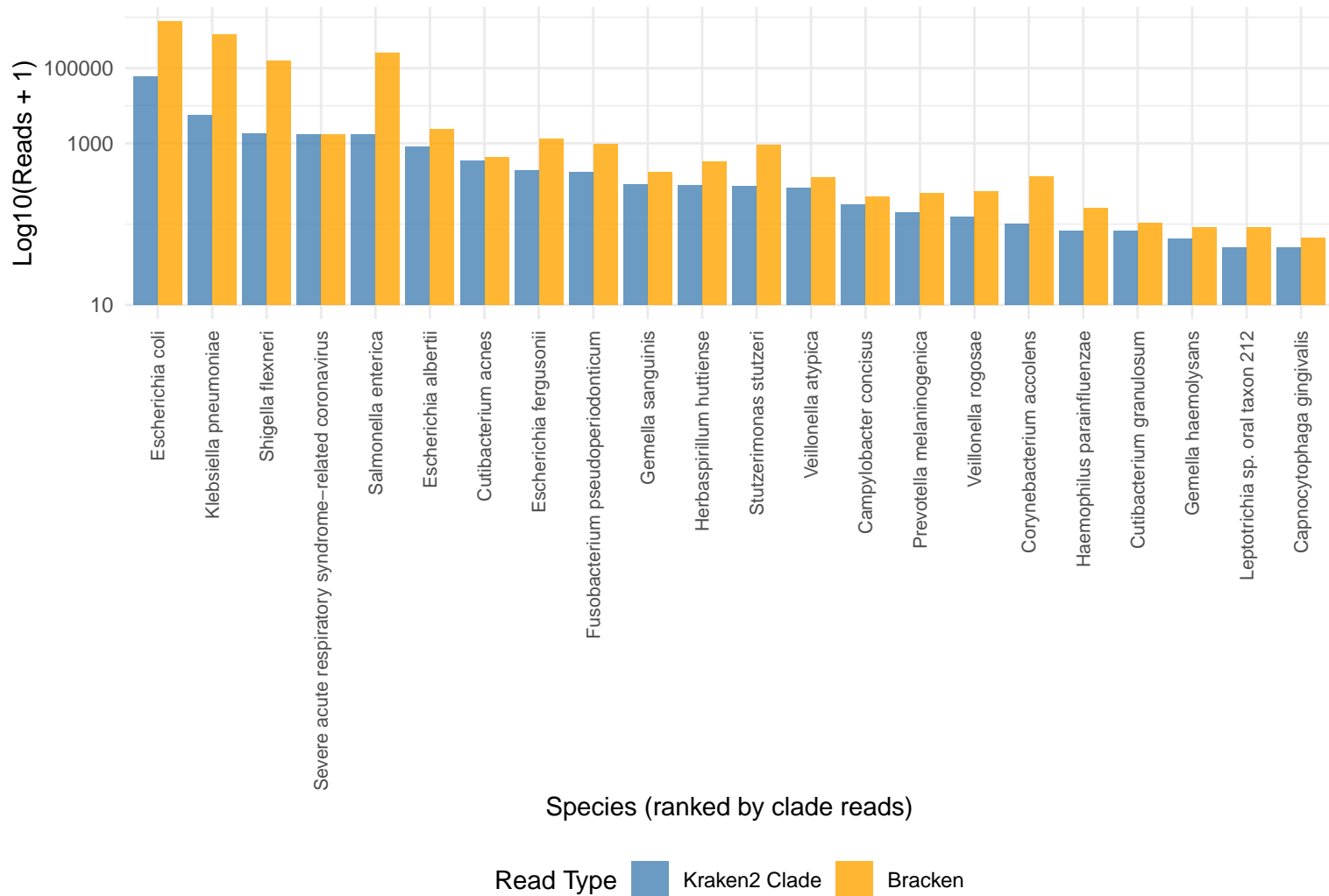
Species by Kingdom – W73109775

Top 22 species by percentage



Kraken2 vs Bracken Reads – W73109775

Top species (log10 scale)



Part 3: Kraken2 Statistics – W81802779

The Kraken2 results for sample W81802779:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 953
- Number of species found after secondary filtering: 134

Top species in this sample:

Cupriavidus metallidurans: 656525

Sphingomonas paucimobilis: 454501

Severe acute respiratory syndrome-related coronavirus: 174332

Herbaspirillum huttiense: 161602

Acinetobacter bereziniae: 92862

Elizabethkingia anophelis: 21647

Pseudomonas fluorescens: 20752

Escherichia coli: 13807

Pseudomonas plecoglossicida: 11863

Pseudomonas aeruginosa: 9734

Brevundimonas diminuta: 8582

Pseudomonas asiatica: 6357

Delftia tsuruhatensis: 6153

Comamonas thiooxydans: 5966

Acinetobacter sp. Tol 5: 5930

Sphingomonas panni: 4634

Cupriavidus sp. U2: 3627

Herbaspirillum sp. DW155: 3083

Pseudomonas putida: 3057

Achromobacter xylosoxidans: 2780

Herbaspirillum rubrisubalbicans: 2640

Delftia lacustris: 2340

Acinetobacter baumannii: 2172

Shewanella xiamenensis: 2094

Herbaspirillum frisingense: 1964

Species per Kingdom – W81802779

Total species: 132

Kingdom

Pseudomonadati

n=119

Bacillati

n=10

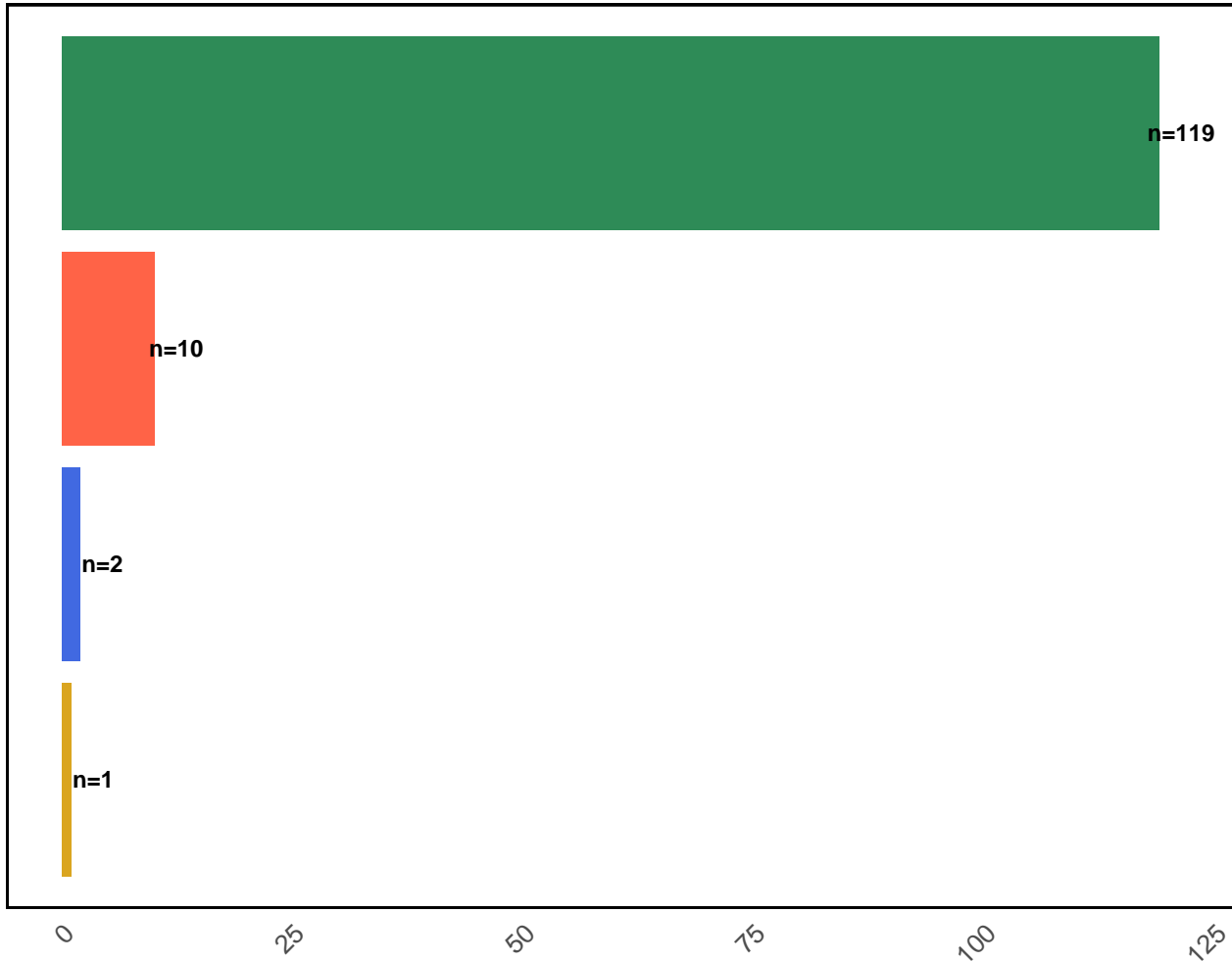
Fusobacteriati

n=2

Orthornavirae

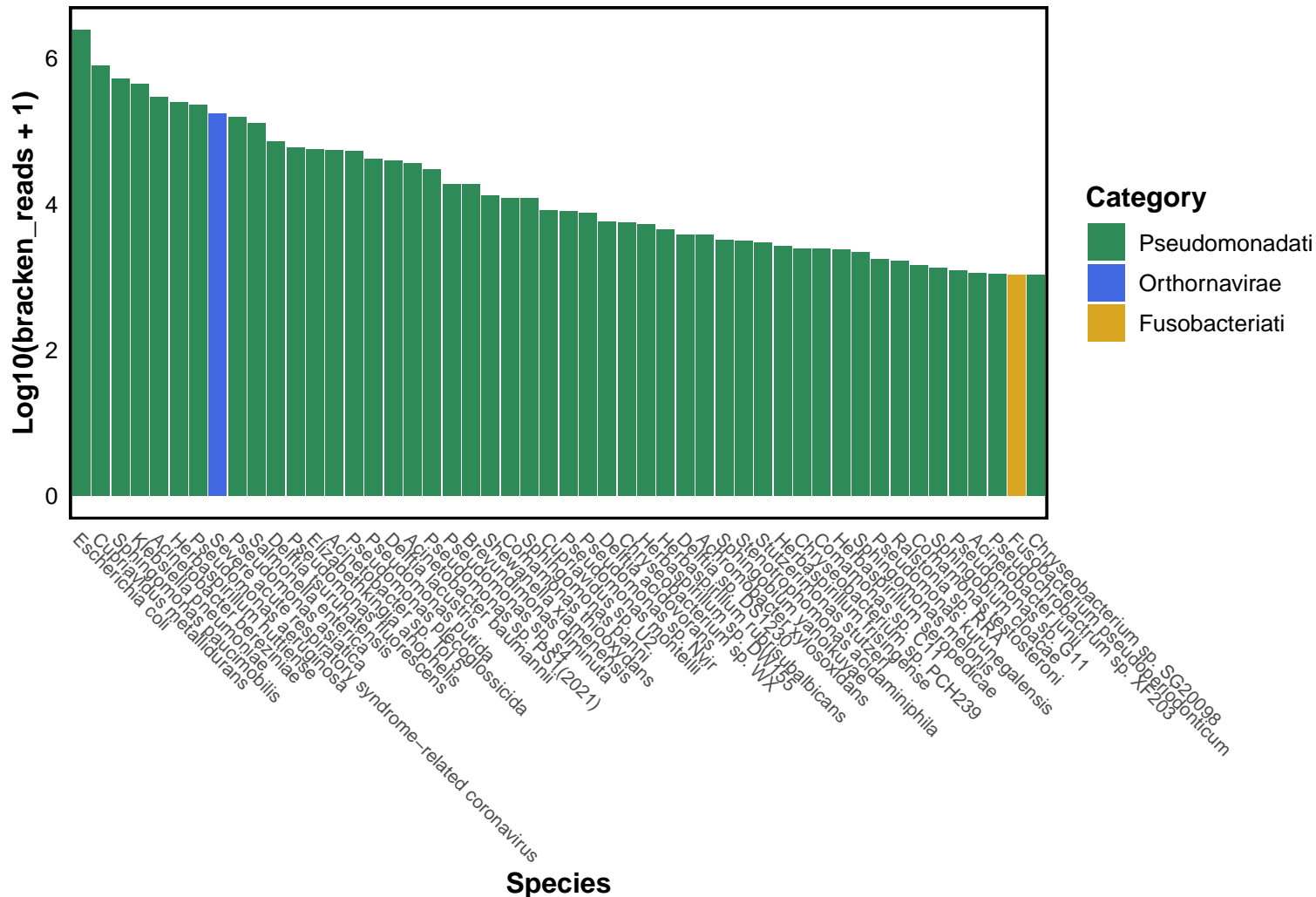
n=1

Number of Species



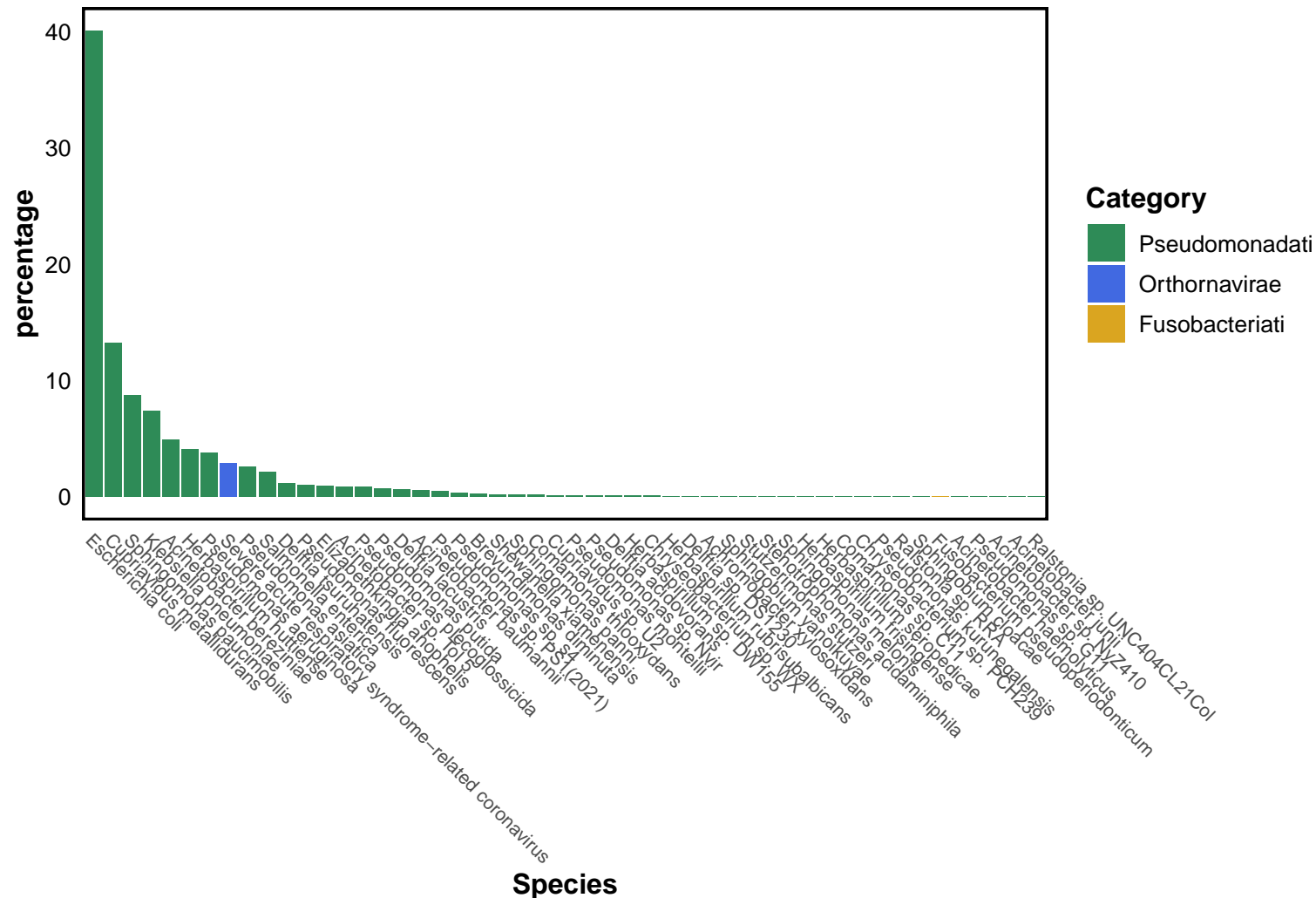
Species by Kingdom – W81802779

Top 50 species by Log10(bracken_reads + 1)



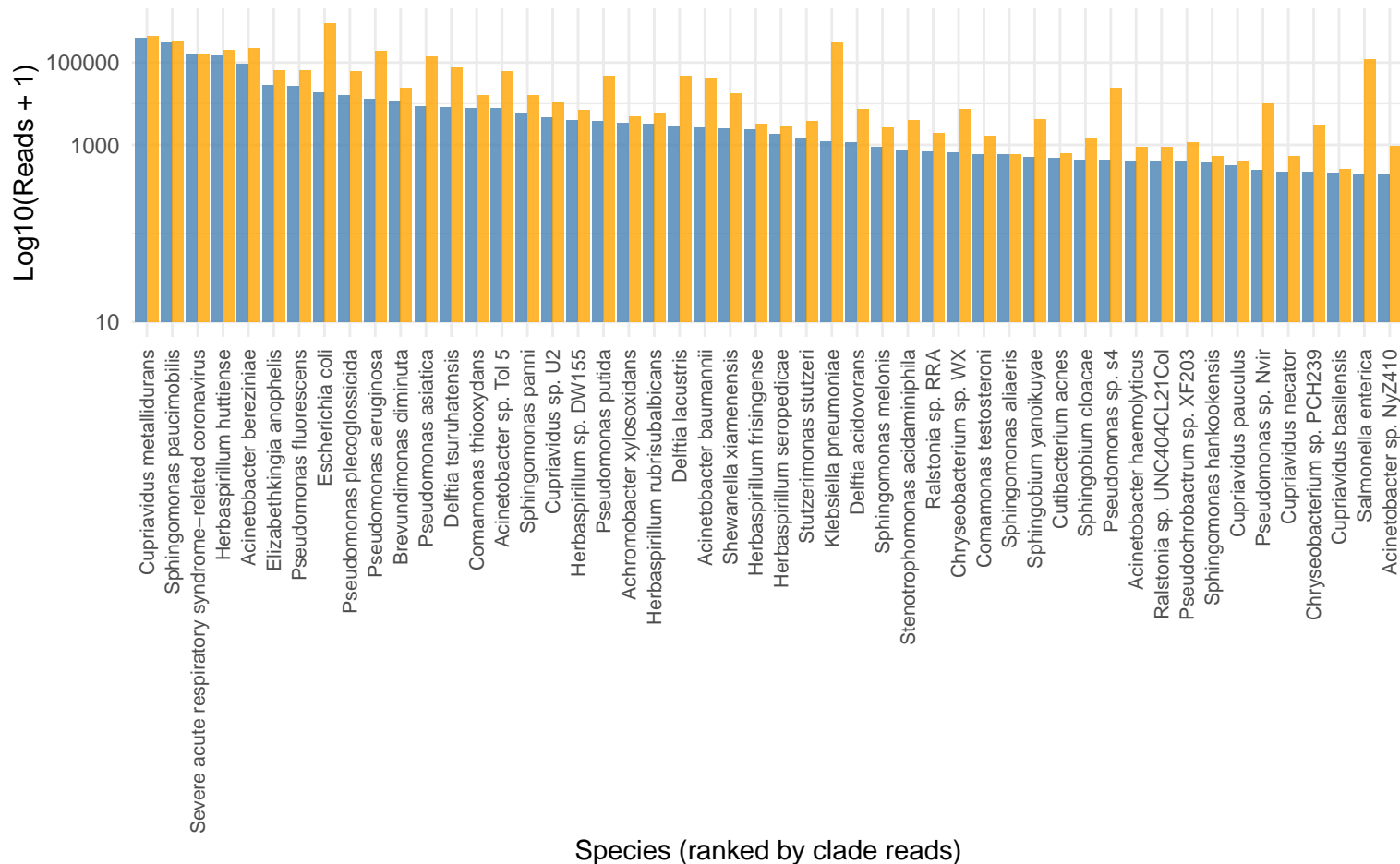
Species by Kingdom – W81802779

Top 50 species by percentage



Kraken2 vs Bracken Reads – W81802779

Top species (log10 scale)



Read Type Kraken2 Clade Bracken

Part 3: Kraken2 Statistics – W90303891

The Kraken2 results for sample W90303891:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 610
- Number of species found after secondary filtering: 64

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 38965787

Sphingomonas paucimobilis: 1996785

Chryseobacterium indologenes: 408235

Escherichia coli: 76334

Cupriavidus metallidurans: 69277

Acinetobacter bereziniae: 60152

Sphingomonas panni: 43112

Sphingobium cloacae: 25081

Sphingobium xenophagum: 16811

Herbaspirillum huttiense: 10333

Sphingomonas hankookensis: 7453

Sphingomonas sanxanigenens: 6728

Klebsiella pneumoniae: 5629

Sphingobium yanoikuyae: 5488

Sphingomonas melonis: 5102

Sphingobium amiense: 5087

Sphingomonas aliaeris: 3262

Sphingomonas sp. AAP5: 3034

Phyllobacterium sp. T1293: 2276

Novosphingobium olei: 2112

Acinetobacter sp. Tol 5: 1964

Delftia tsuruhatensis: 1918

Salmonella enterica: 1718

Sphingopyxis macrogoltabida: 1690

Sphingomonas parapaucimobilis: 1512

Species per Kingdom – W90303891

Total species: 63

Kingdom

Pseudomonadati

n=55

Bacillati

n=5

Fusobacteriati

n=2

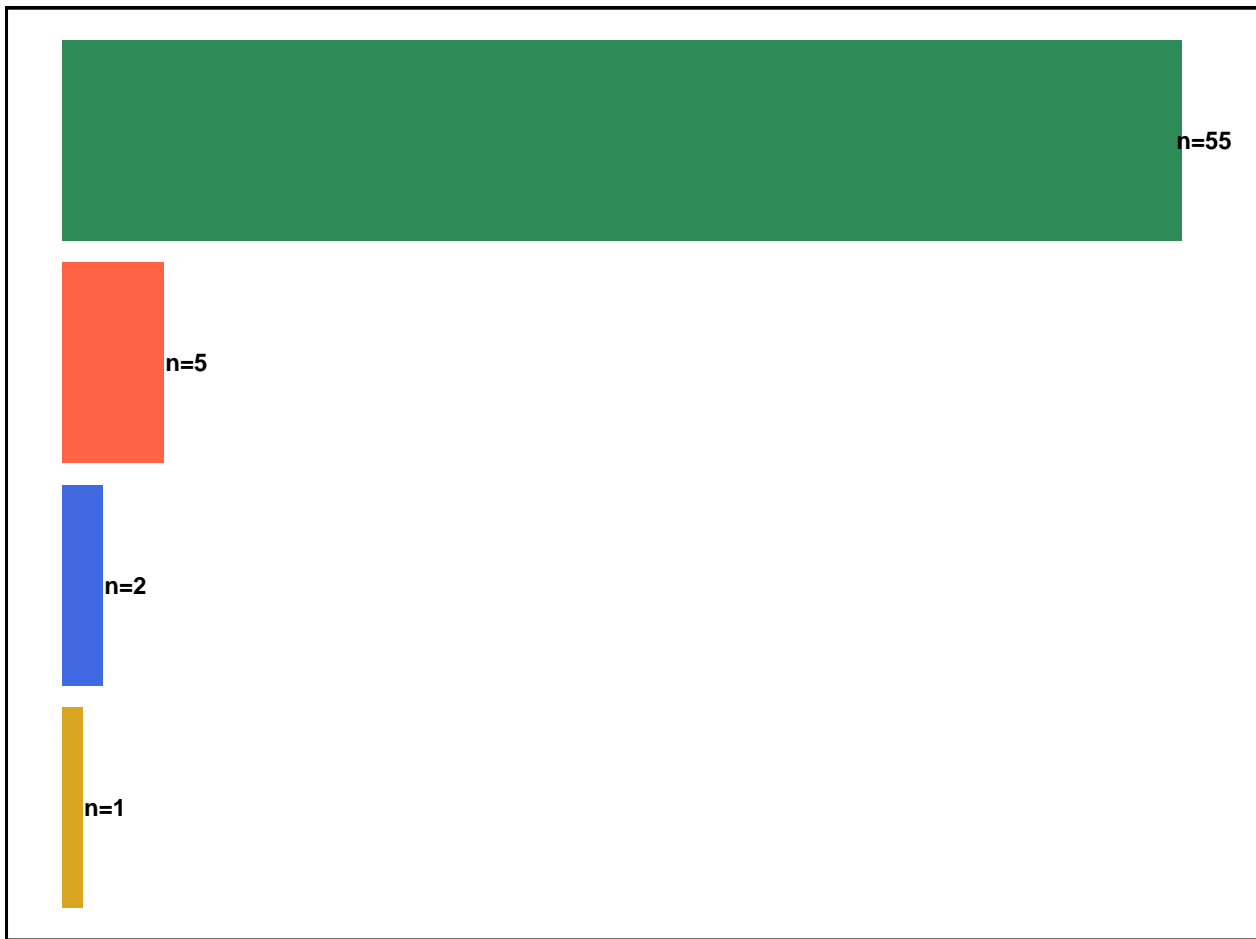
Orthornavirae

n=1

20

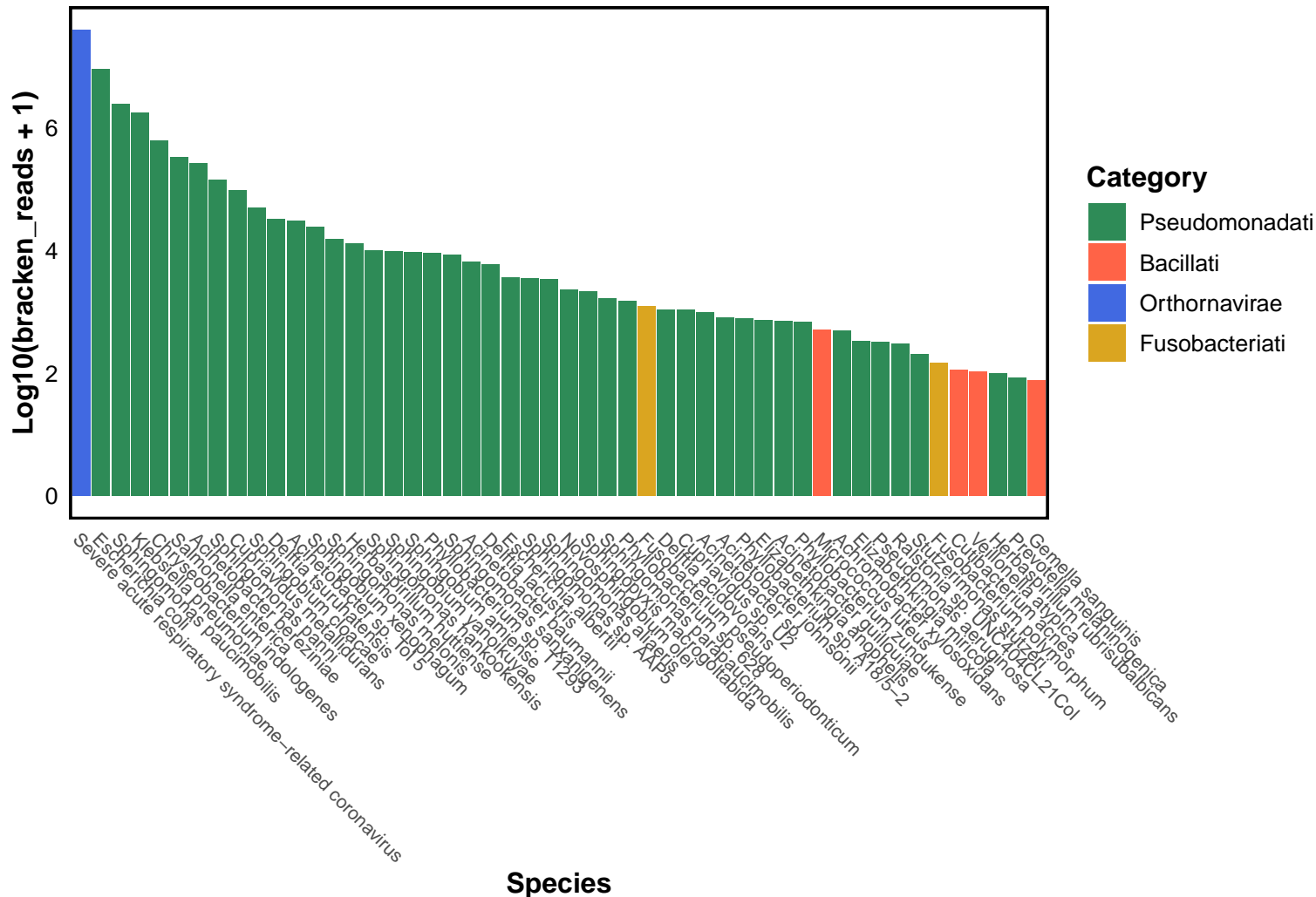
Number of Species

40

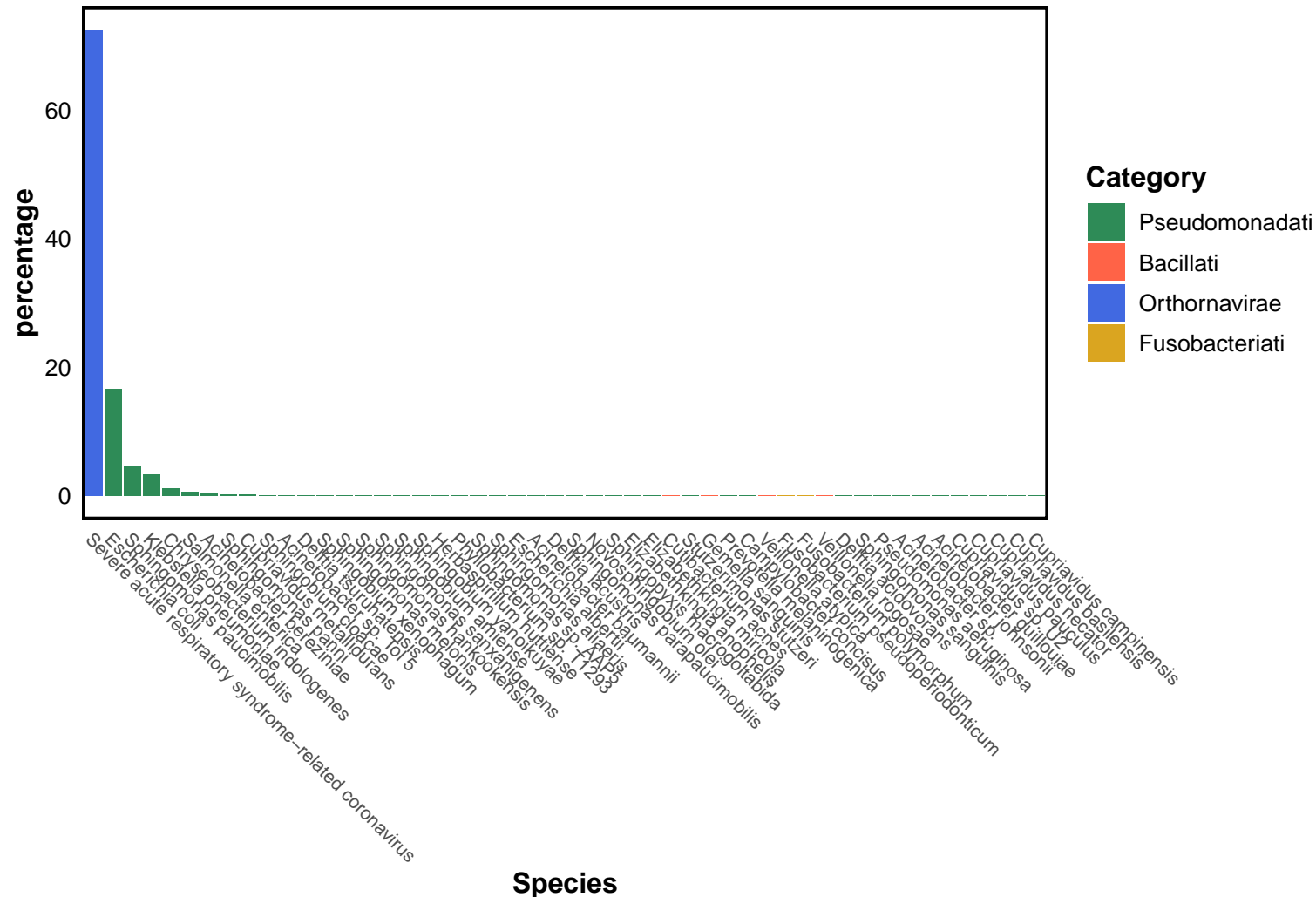


Species by Kingdom – W90303891

Top 50 species by Log10(bracken_reads + 1)

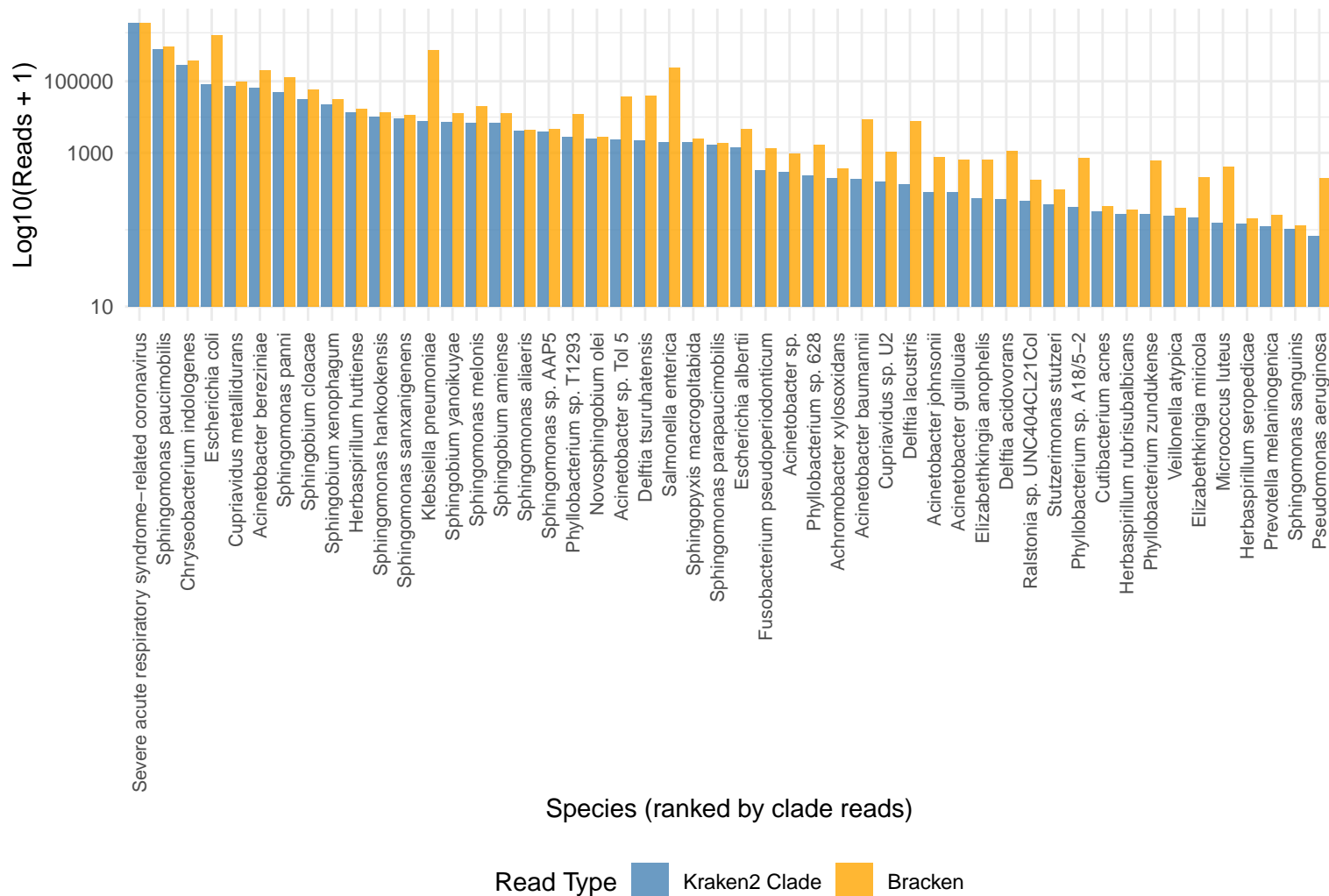


Top 50 species by percentage



Kraken2 vs Bracken Reads – W90303891

Top species (log10 scale)



Part 3: Kraken2 Statistics – W90504037

The Kraken2 results for sample W90504037:

– Using Non-human sample results

Key findings:

– Number of species found before secondary filtering: 602

– Number of species found after secondary filtering: 31

Top species in this sample:

Escherichia coli: 587668

Severe acute respiratory syndrome-related coronavirus: 57700

Klebsiella pneumoniae: 48222

Shigella flexneri: 19353

Salmonella enterica: 12792

Escherichia albertii: 9710

Shigella dysenteriae: 6504

Enterobacter hormaechei: 5895

Escherichia fergusonii: 4593

Enterobacter ludwigii: 4353

Herbaspirillum huttiense: 3030

Shigella boydii: 843

Cutibacterium acnes: 559

Sphingomonas paucimobilis: 511

Stutzerimonas stutzeri: 500

Fusobacterium pseudoperiodonticum: 343

Lactococcus cremoris: 215

Haemophilus parainfluenzae: 175

Delftia acidovorans: 143

Staphylococcus epidermidis: 126

Streptococcus mitis: 105

Veillonella atypica: 81

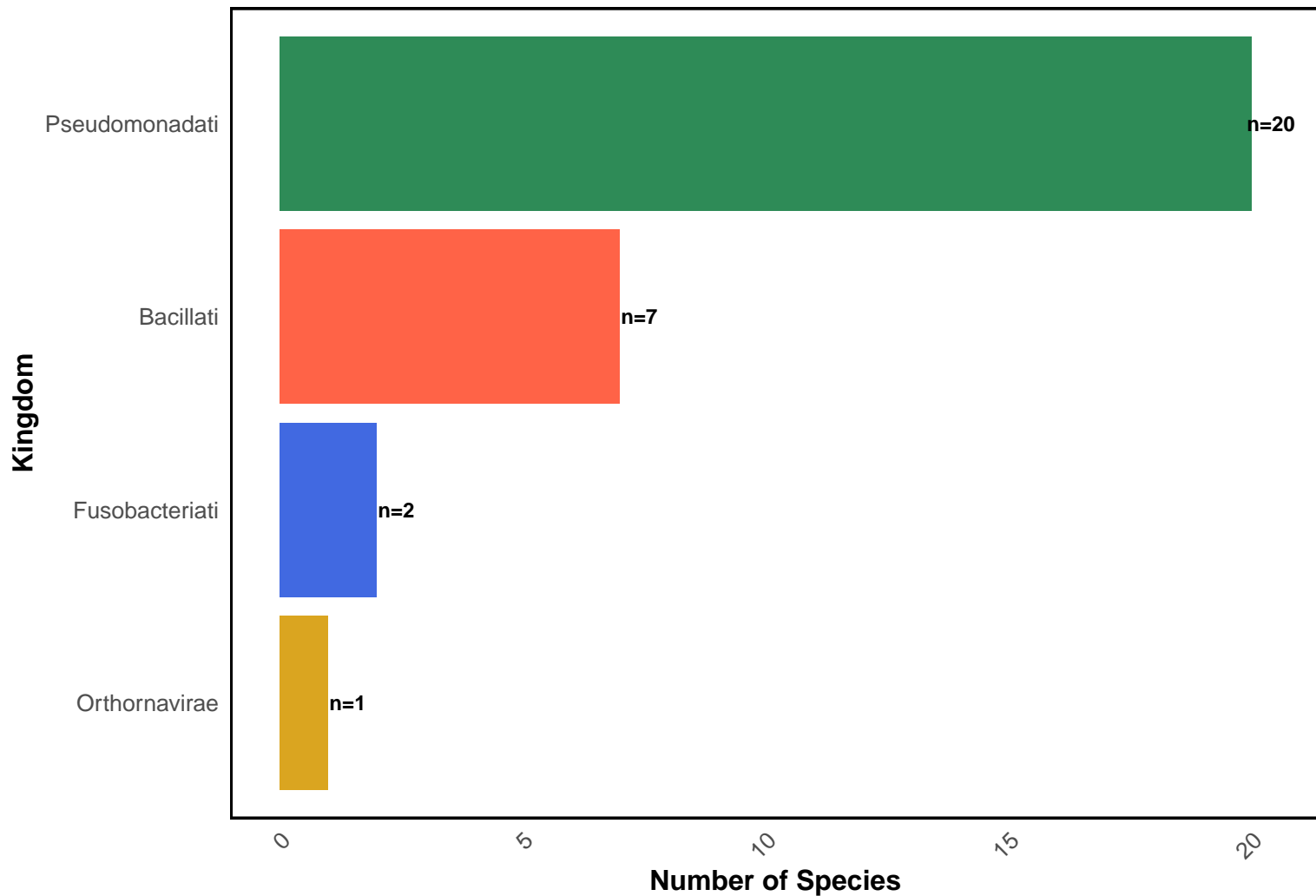
Elizabethkingia anophelis: 71

Pseudomonas fluorescens: 62

Burkholderia multivorans: 53

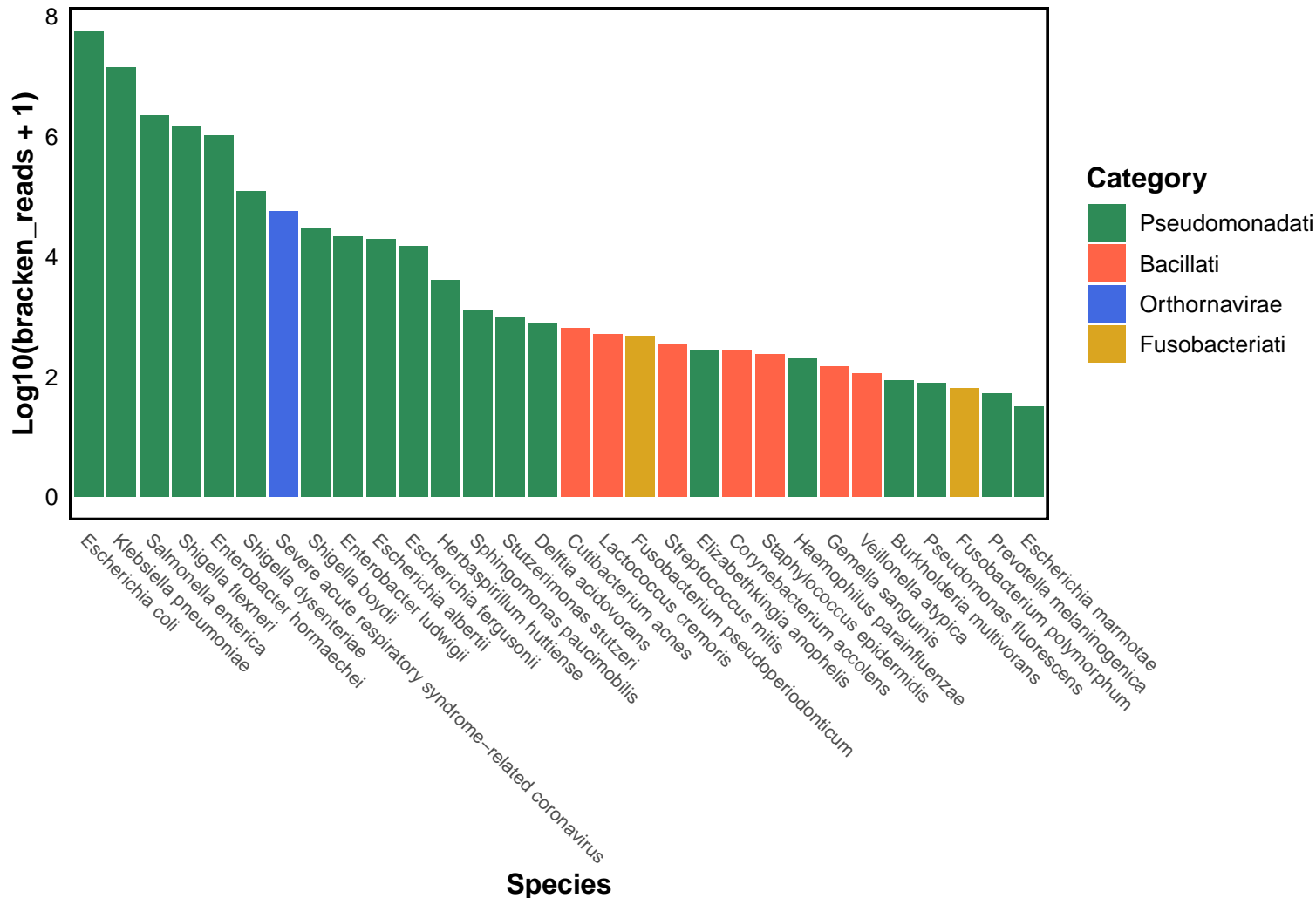
Species per Kingdom – W90504037

Total species: 30



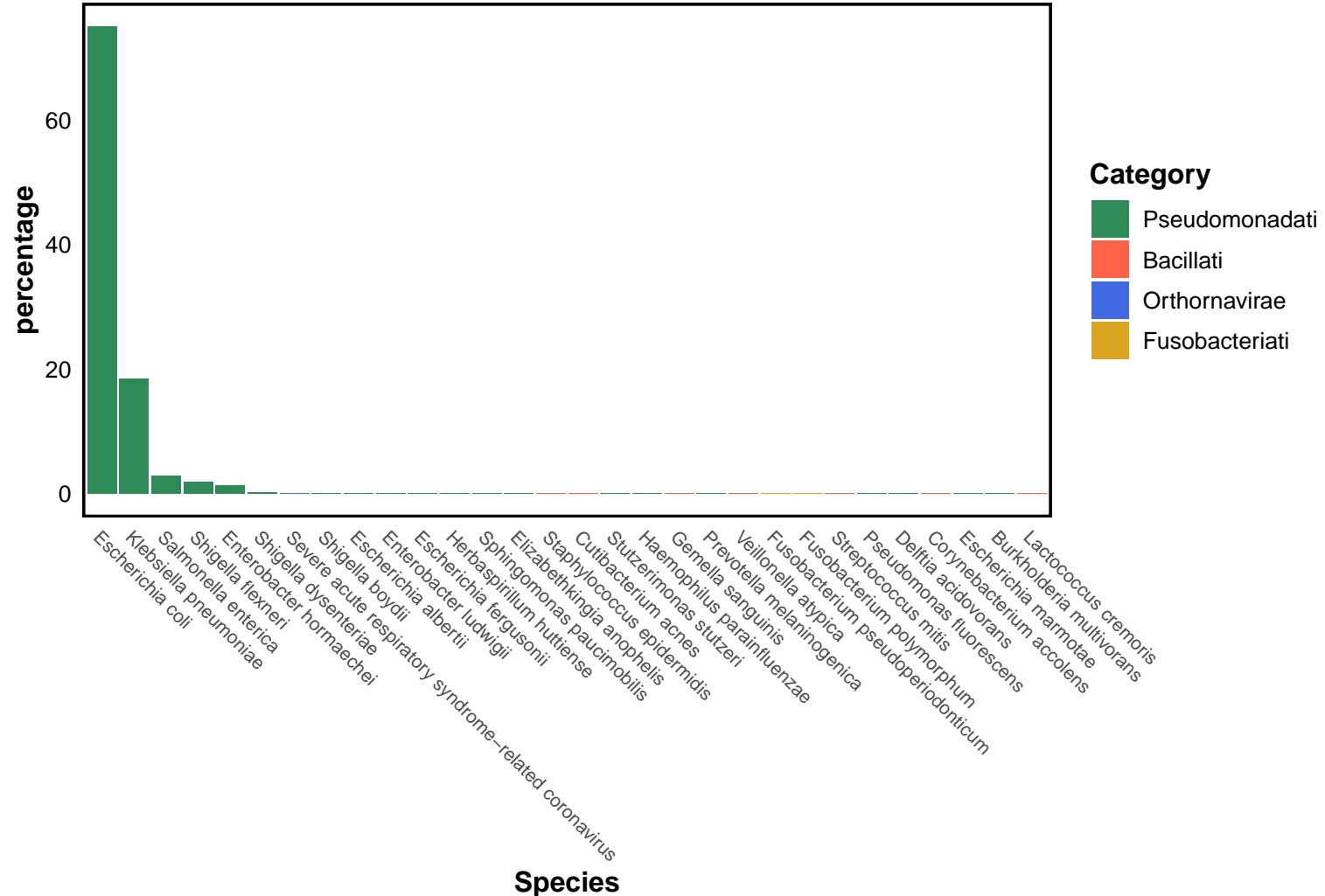
Species by Kingdom – W90504037

Top 30 species by Log10(bracken_reads + 1)



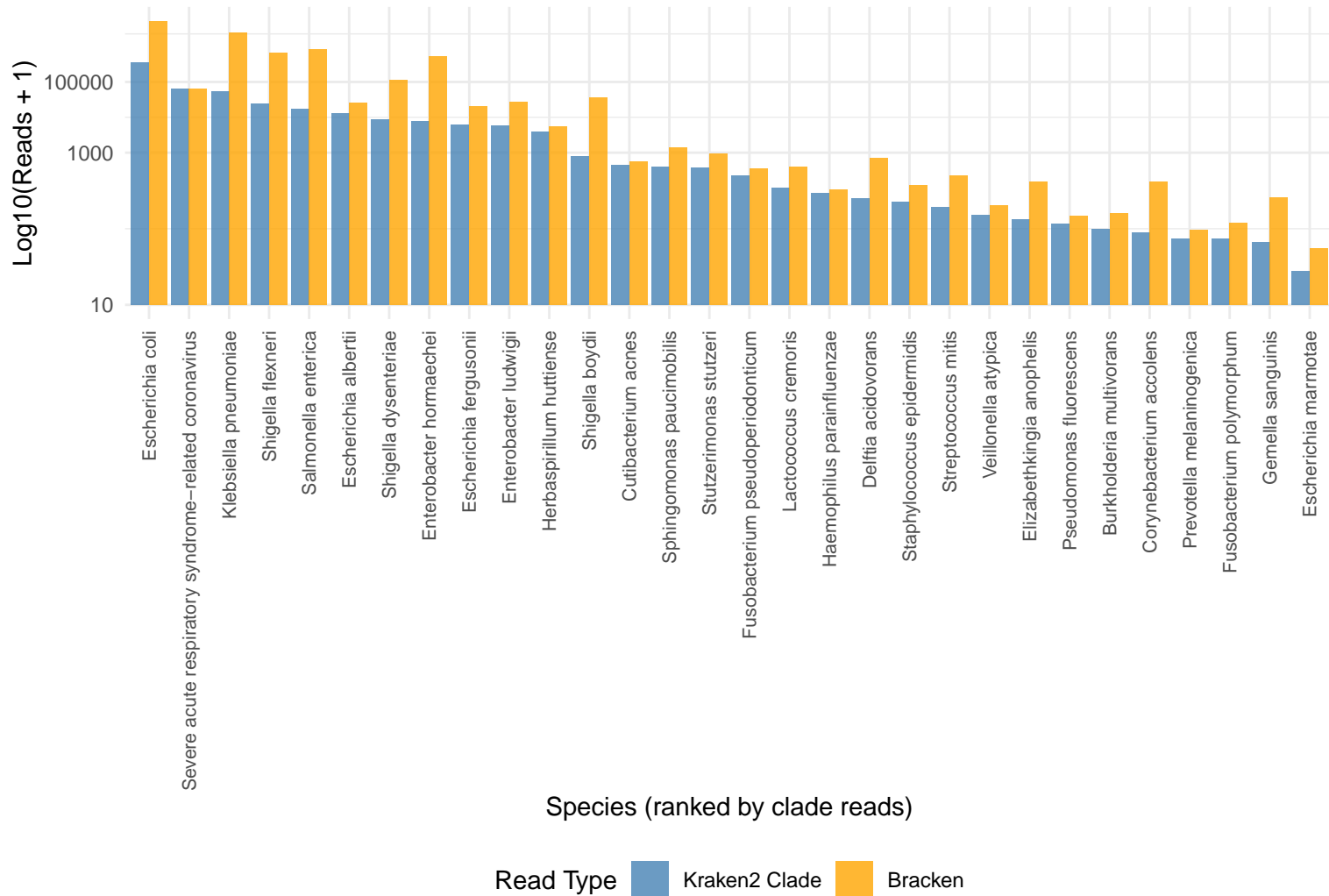
Species by Kingdom – W90504037

Top 30 species by percentage



Kraken2 vs Bracken Reads – W90504037

Top species (log10 scale)



Part 3: Kraken2 Statistics – X01703004

The Kraken2 results for sample X01703004:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 466
- Number of species found after secondary filtering: 29

Top species in this sample:

Escherichia coli: 43238

Sphingomonas paucimobilis: 38958

Proteus mirabilis: 21721

Bacillus cereus: 17952

Severe acute respiratory syndrome-related coronavirus: 3734

Klebsiella pneumoniae: 3543

Shigella flexneri: 1553

Salmonella enterica: 1226

Cutibacterium acnes: 965

Escherichia albertii: 767

Sphingomonas panni: 642

Sphingobium cloacae: 437

Staphylococcus epidermidis: 317

Sphingobium xenophagum: 316

Corynebacterium accolens: 162

Cupriavidus pauculus: 148

Sphingobium amiense: 129

Sphingomonas sanxanigenens: 122

Sphingomonas hankookensis: 120

Stutzerimonas stutzeri: 117

Sphingobium yanoikuyae: 106

Herbaspirillum huttiense: 98

Cupriavidus metallidurans: 87

Sphingomonas melonis: 78

Cutibacterium granulosum: 65

Species per Kingdom – X01703004

Total species: 28

Kingdom

Pseudomonadati

n=21

Bacillati

n=6

Orthornavirae

n=1

0

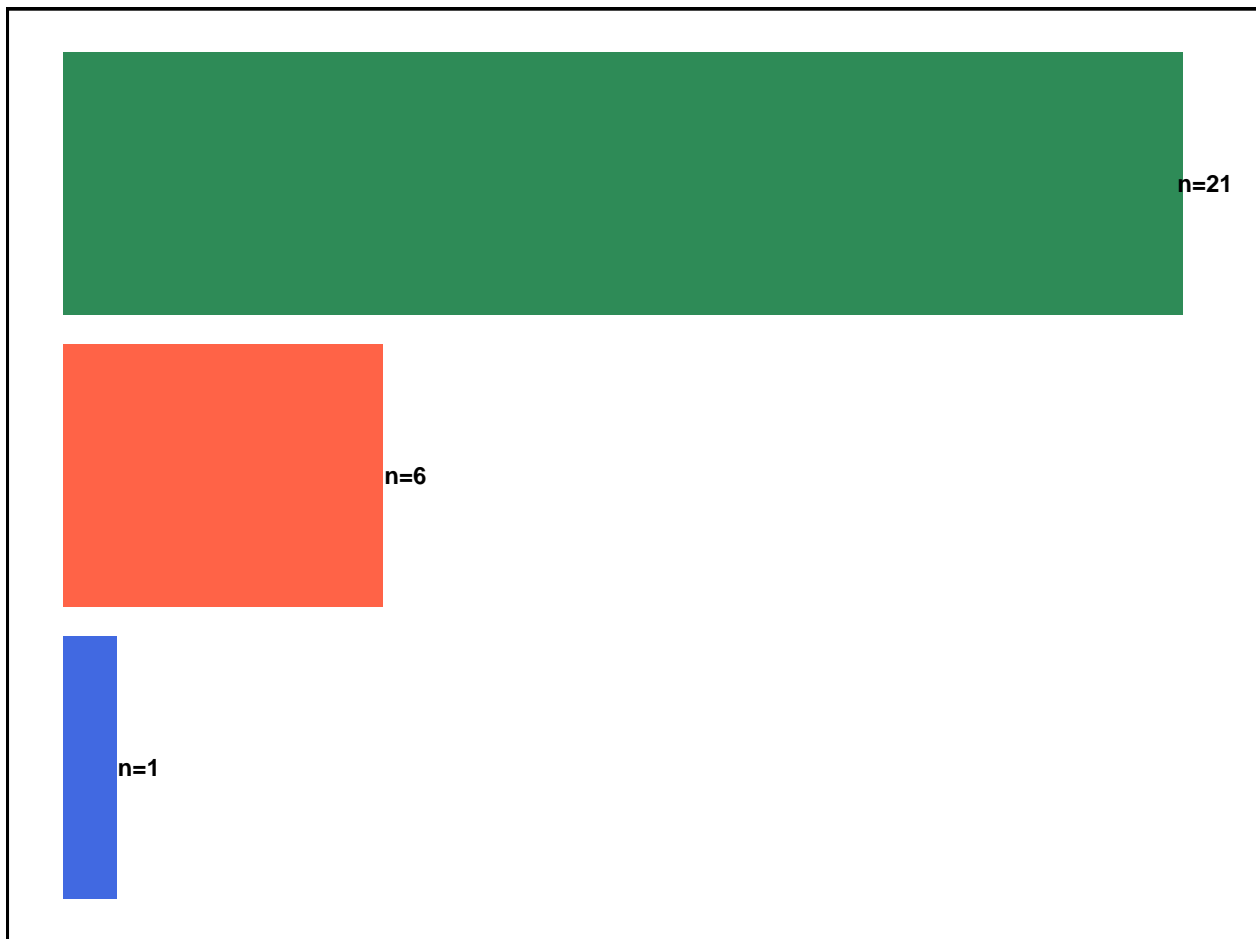
5

10

15

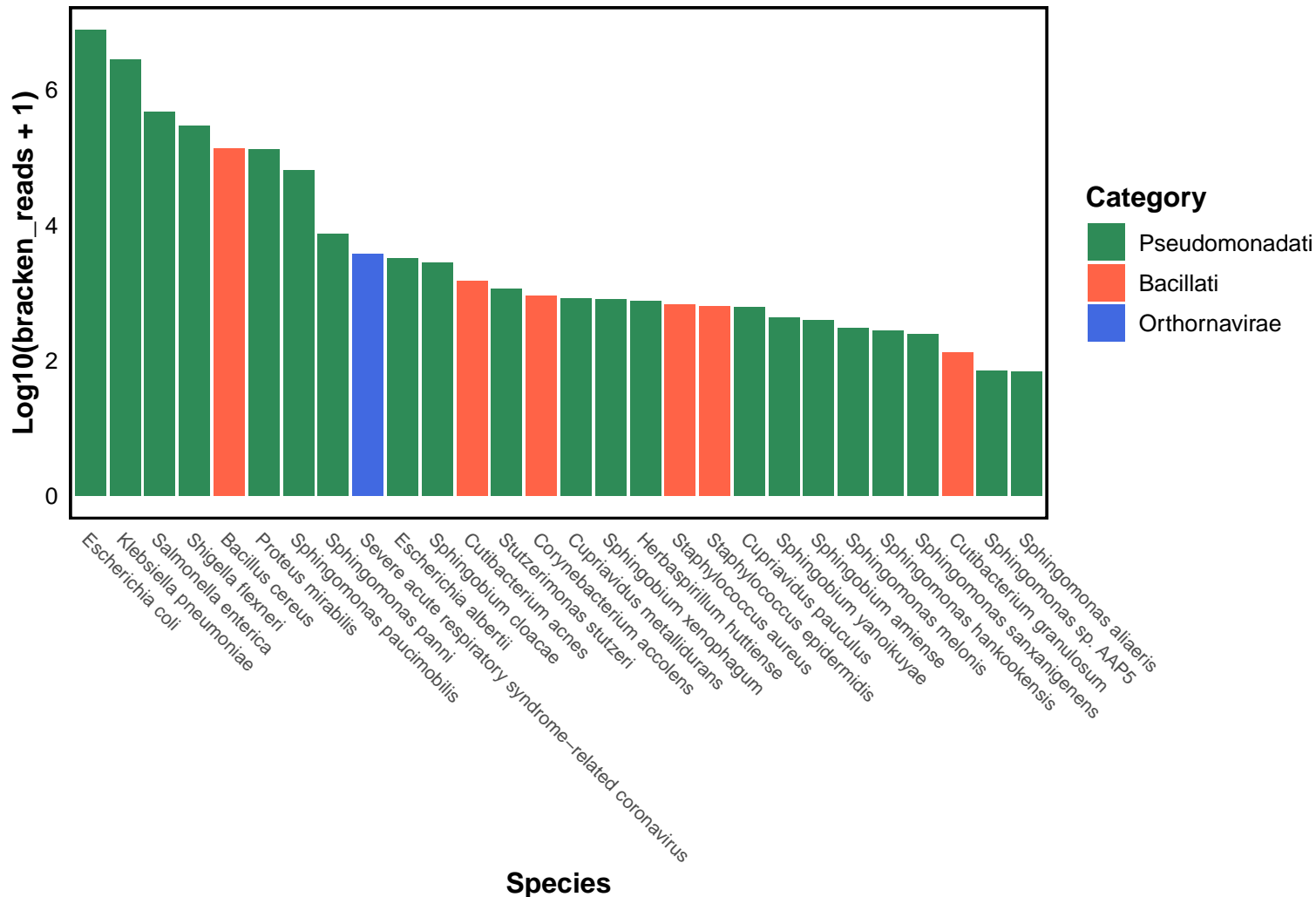
20

Number of Species



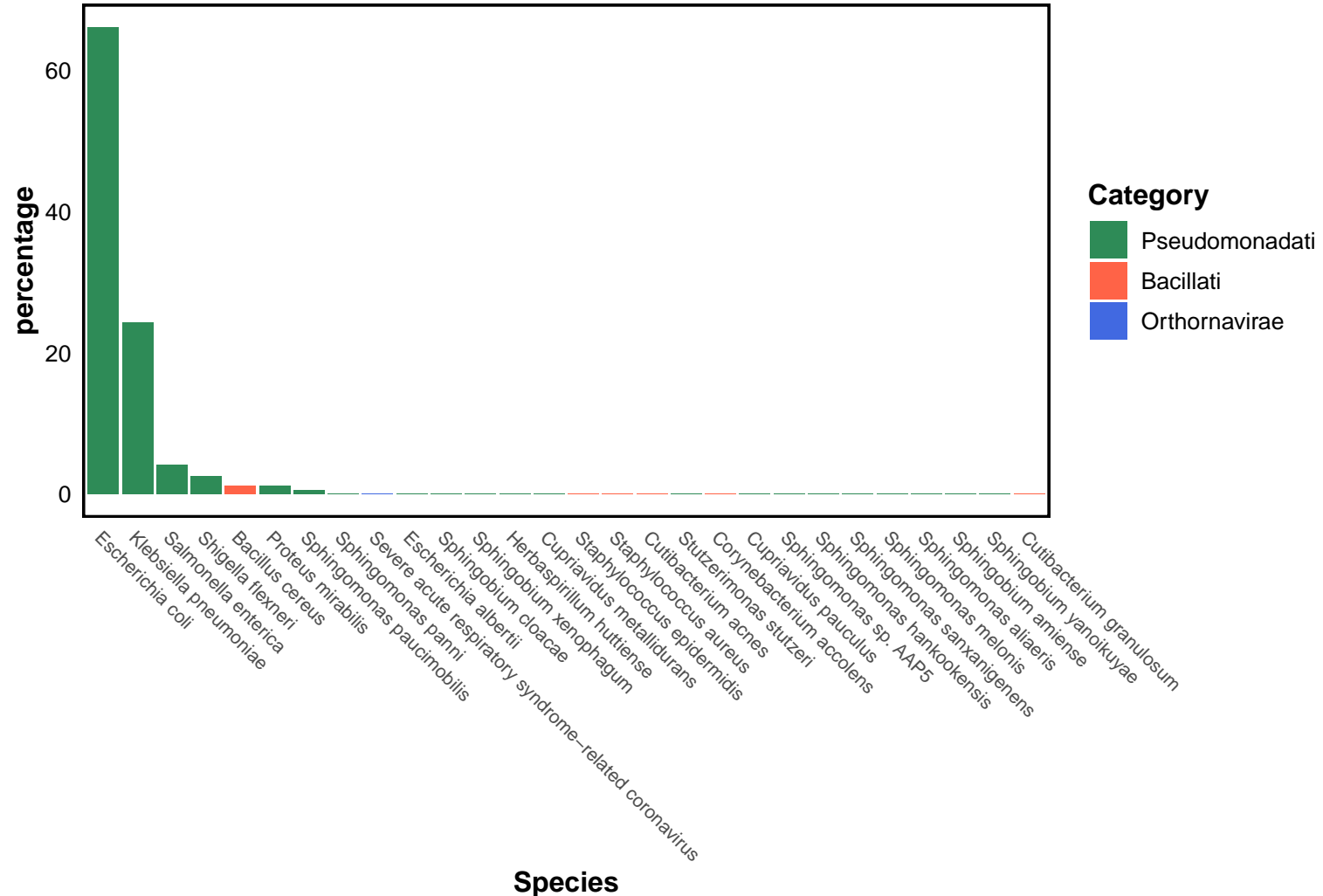
Species by Kingdom – X01703004

Top 28 species by Log10(bracken_reads + 1)



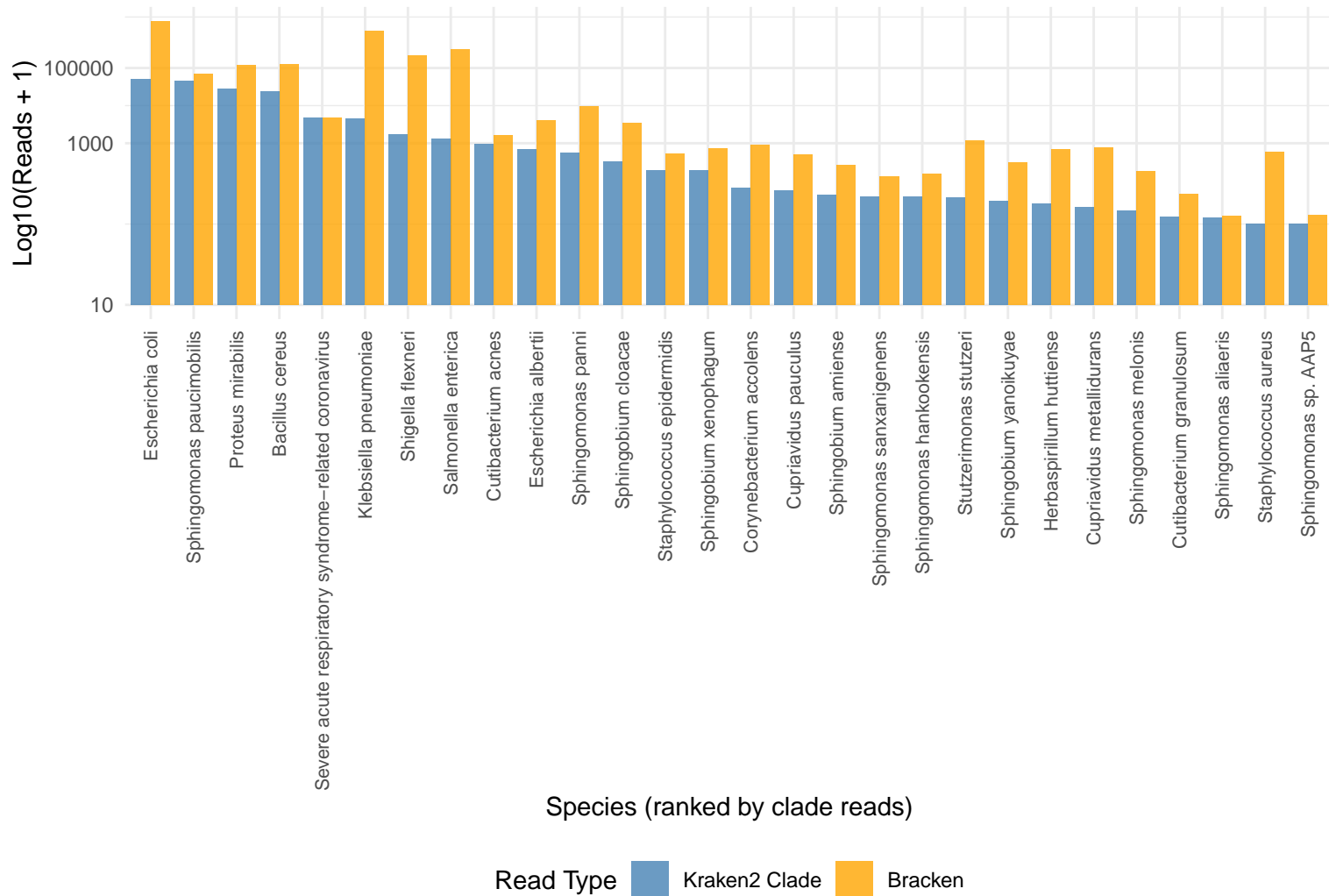
Species by Kingdom – X01703004

Top 28 species by percentage



Kraken2 vs Bracken Reads – X01703004

Top species (log10 scale)



Part 3: Kraken2 Statistics – X22106916

The Kraken2 results for sample X22106916:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 289
- Number of species found after secondary filtering: 16

Top species in this sample:

Severe acute respiratory syndrome-related coronavirus: 195907

Escherichia coli: 27529

Sphingomonas paucimobilis: 12201

Klebsiella pneumoniae: 2423

Salmonella enterica: 718

Sphingomonas panni: 193

Herbaspirillum huttiense: 106

Sphingobium cloacae: 98

Cupriavidus metallidurans: 83

Cutibacterium acnes: 78

Staphylococcus epidermidis: 65

Sphingobium amiense: 52

Sphingobium xenophagum: 51

Acinetobacter bereziniae: 43

Sphingomonas melonis: 27

Species per Kingdom – X22106916

Total species: 15

Kingdom

Pseudomonadati

n=12

Bacillati

n=2

Orthornavirae

n=1

0.0

2.5

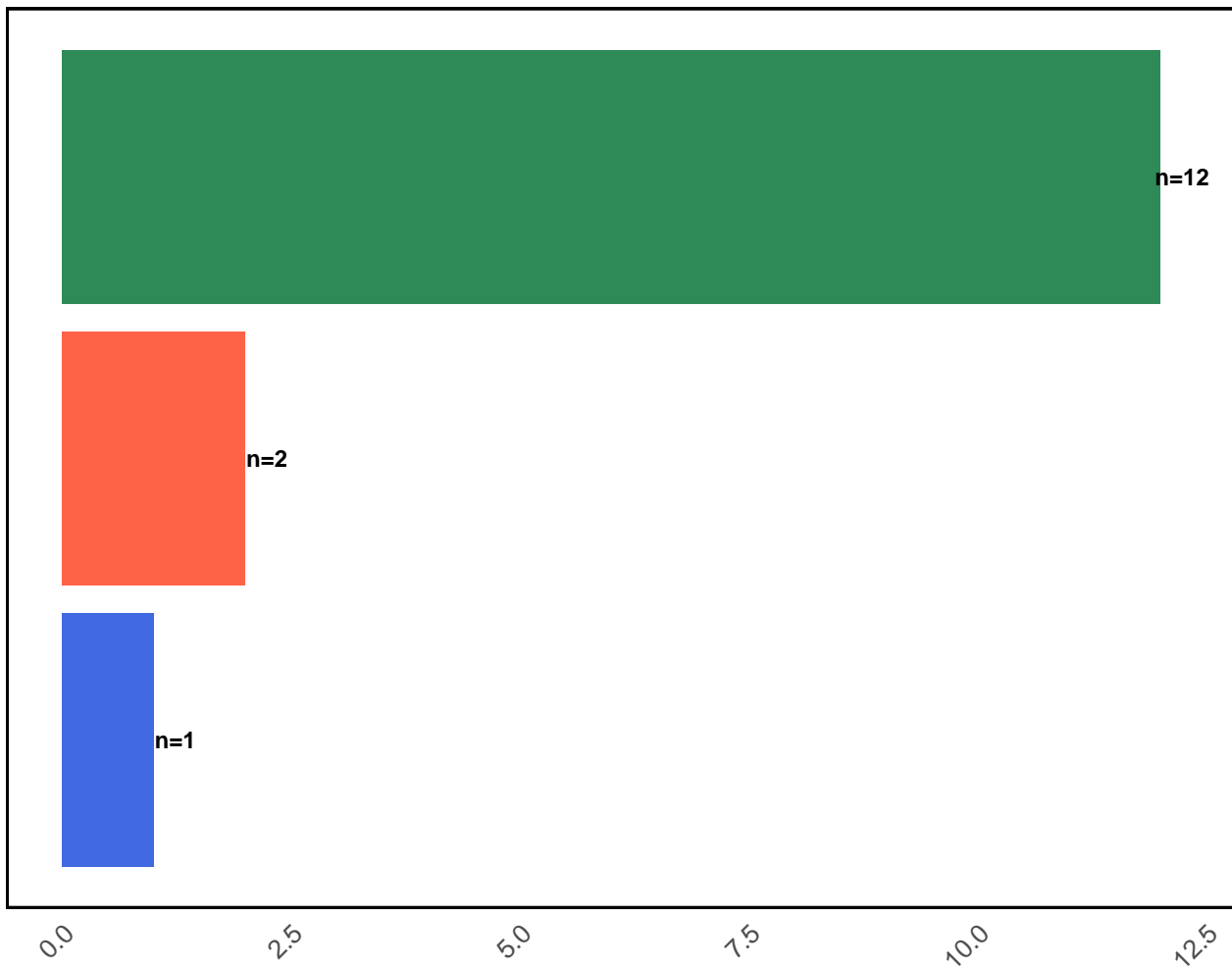
5.0

7.5

10.0

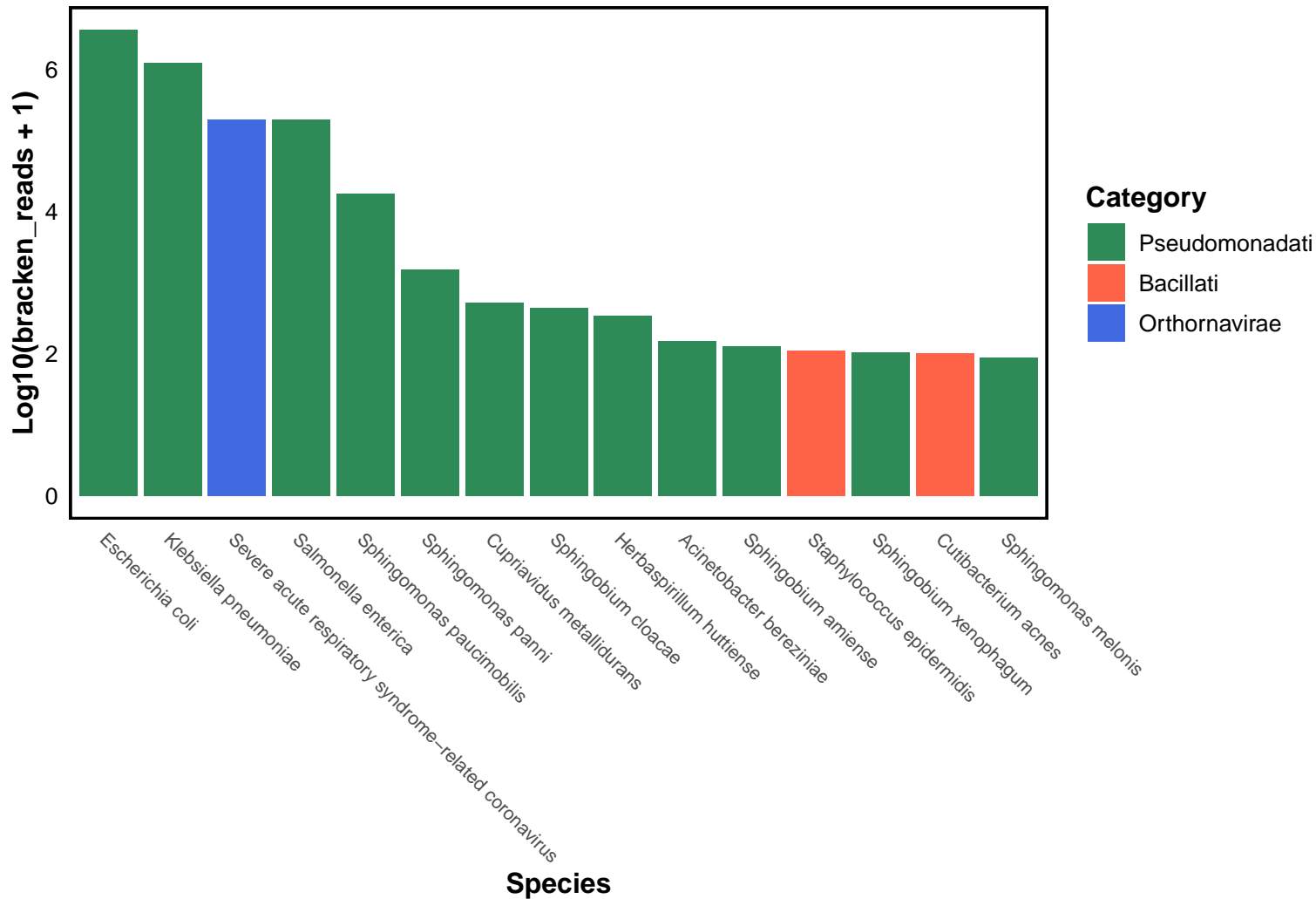
12.5

Number of Species



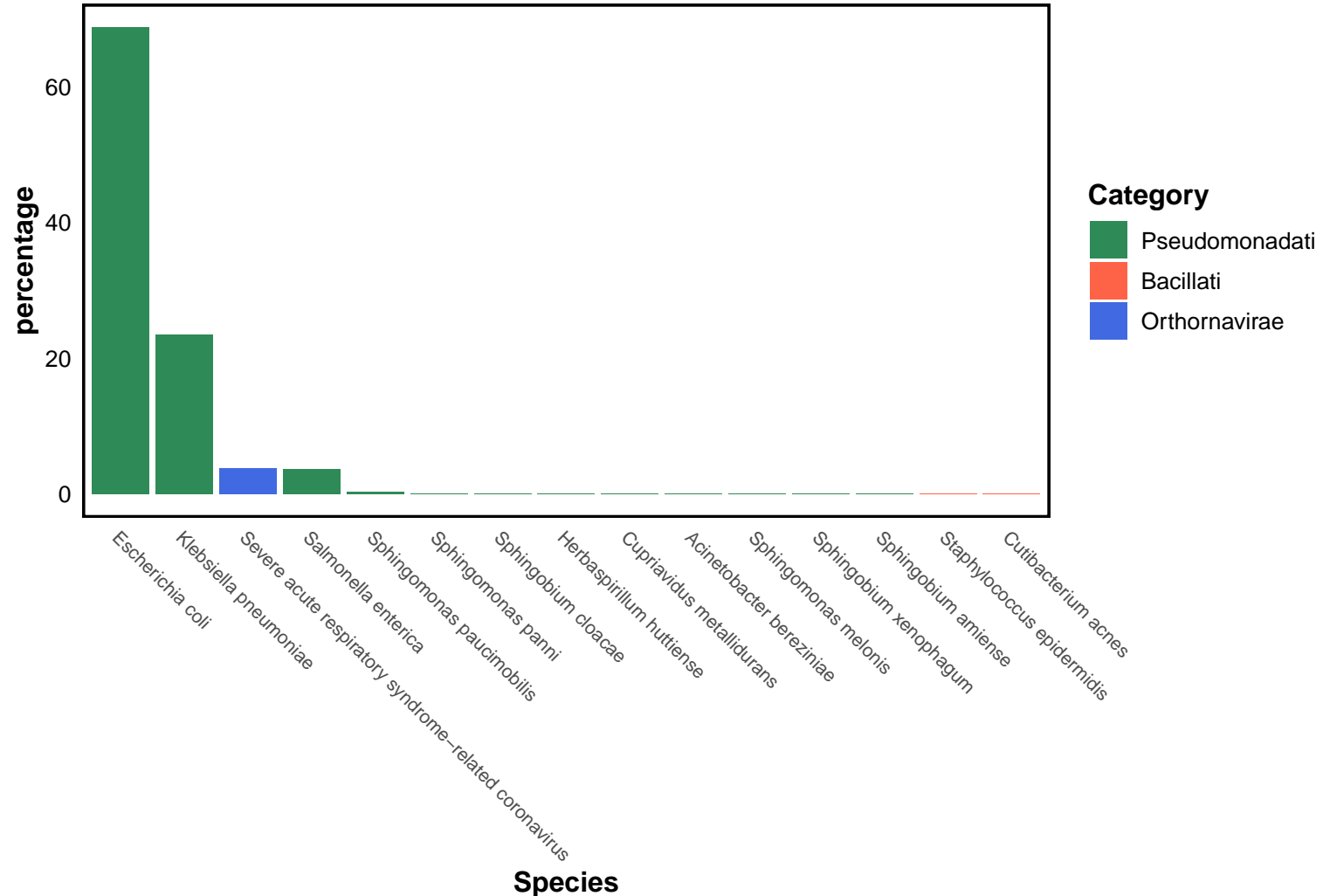
Species by Kingdom – X22106916

Top 15 species by Log10(bracken_reads + 1)



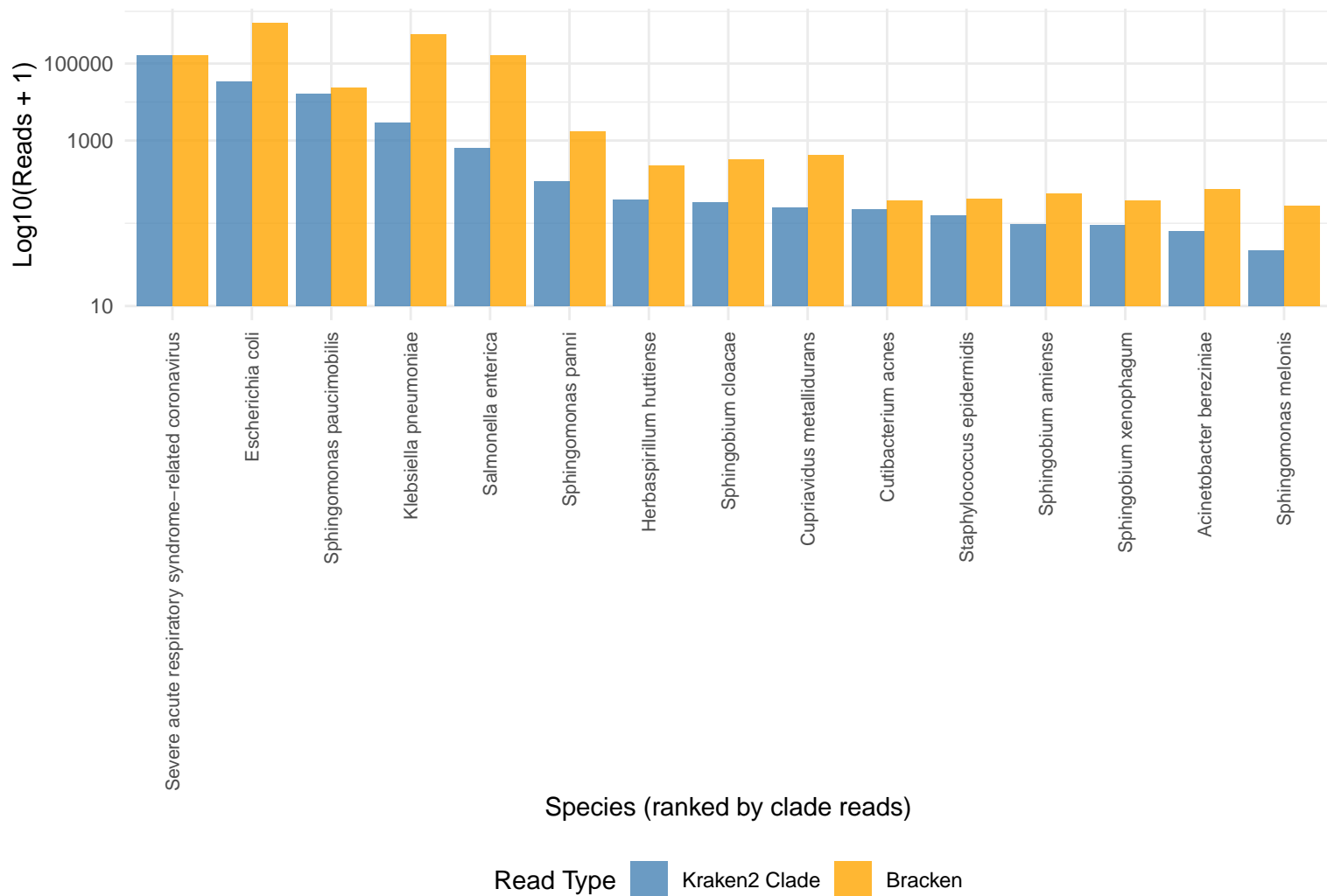
Species by Kingdom – X22106916

Top 15 species by percentage



Kraken2 vs Bracken Reads – X22106916

Top species (log10 scale)



Part 3: Kraken2 Statistics – X30306045

The Kraken2 results for sample X30306045:

- Using Non-human sample results

Key findings:

- Number of species found before secondary filtering: 1355
- Number of species found after secondary filtering: 226

Top species in this sample:

Cupriavidus pauculus: 1512089

Severe acute respiratory syndrome-related coronavirus: 420220

Herbaspirillum huttiense: 241474

Sphingomonas paucimobilis: 162617

Cupriavidus metallidurans: 156990

Escherichia coli: 115531

Pseudomonas aeruginosa: 79866

Rhodopseudomonas boonkerdii: 71756

Sphingobium yanoikuyae: 58151

Acinetobacter bereziniae: 48313

Staphylococcus aureus: 47744

Rhodopseudomonas palustris: 47042

Pseudomonas sp. PS1(2021): 31586

Brevundimonas diminuta: 28275

Pigmentiphaga sp. H8: 26487

Klebsiella pneumoniae: 10202

Cupriavidus sp. EM10: 10191

Cupriavidus sp. U2: 8249

Herbaspirillum seropedicae: 7453

Mesorhizobium sp. Pch-S: 6378

Agrobacterium tumefaciens: 5854

Shigella flexneri: 3847

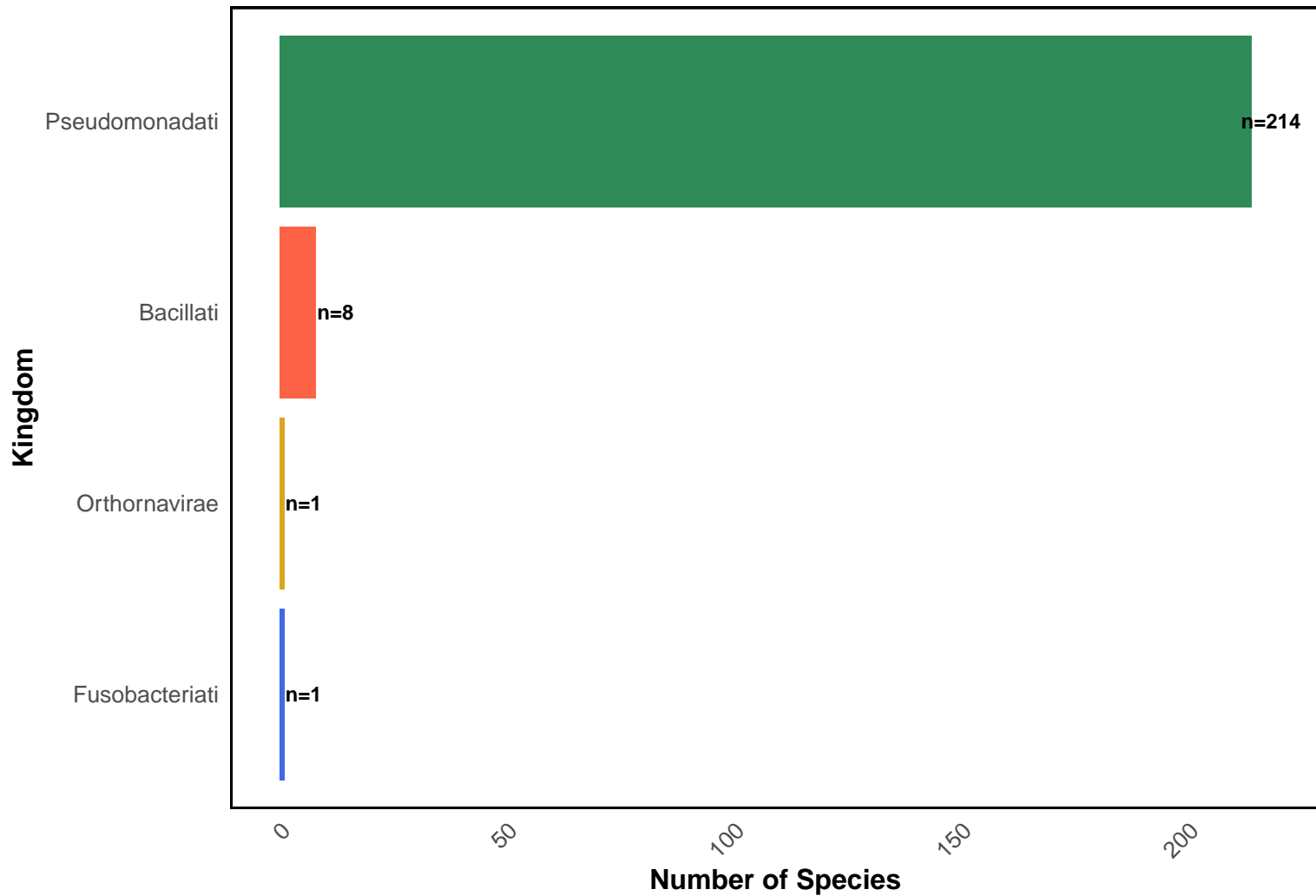
Ralstonia sp. RRA: 3693

Cupriavidus taiwanensis: 3674

Brevundimonas sp. DS20: 3622

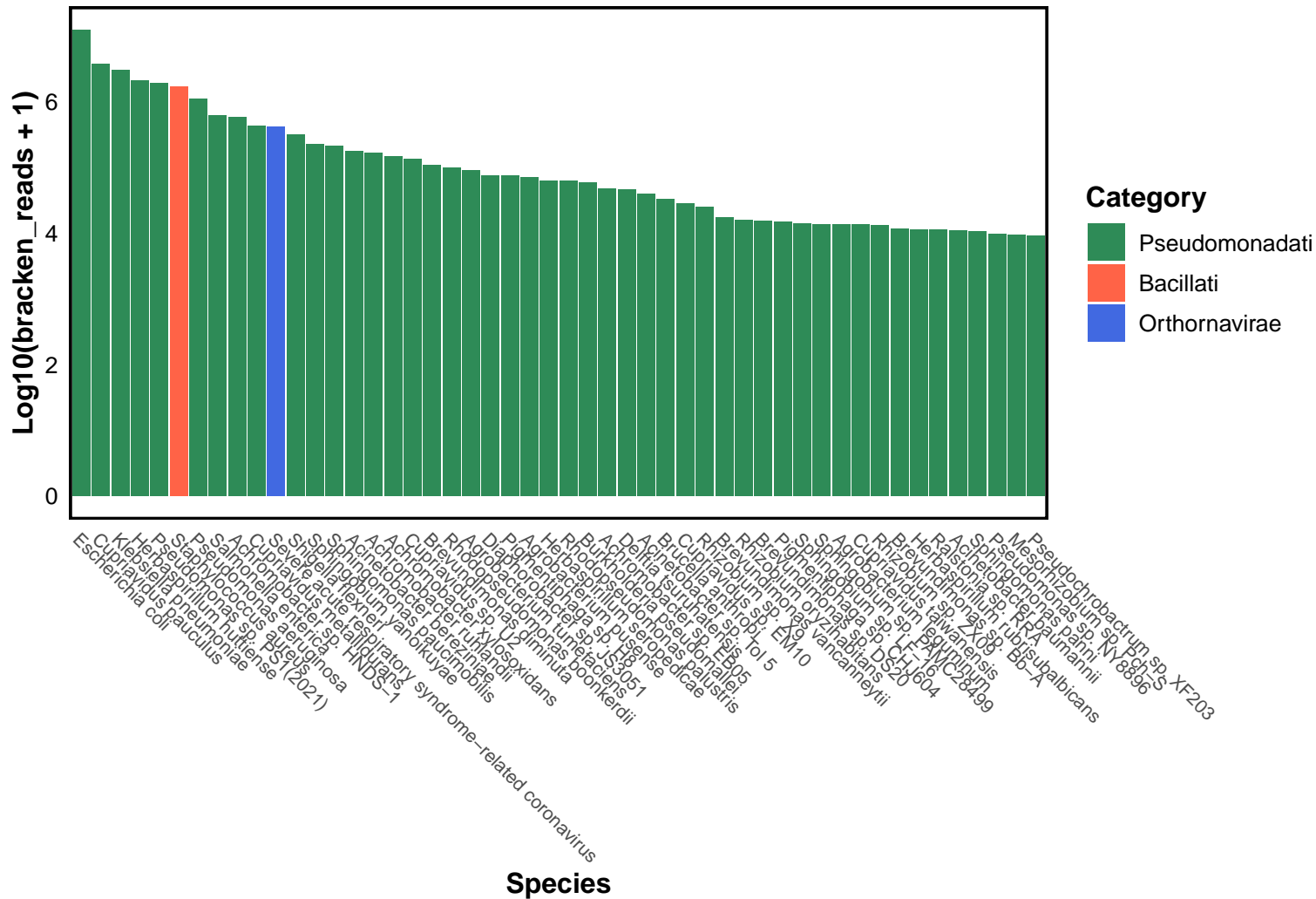
Species per Kingdom – X30306045

Total species: 224

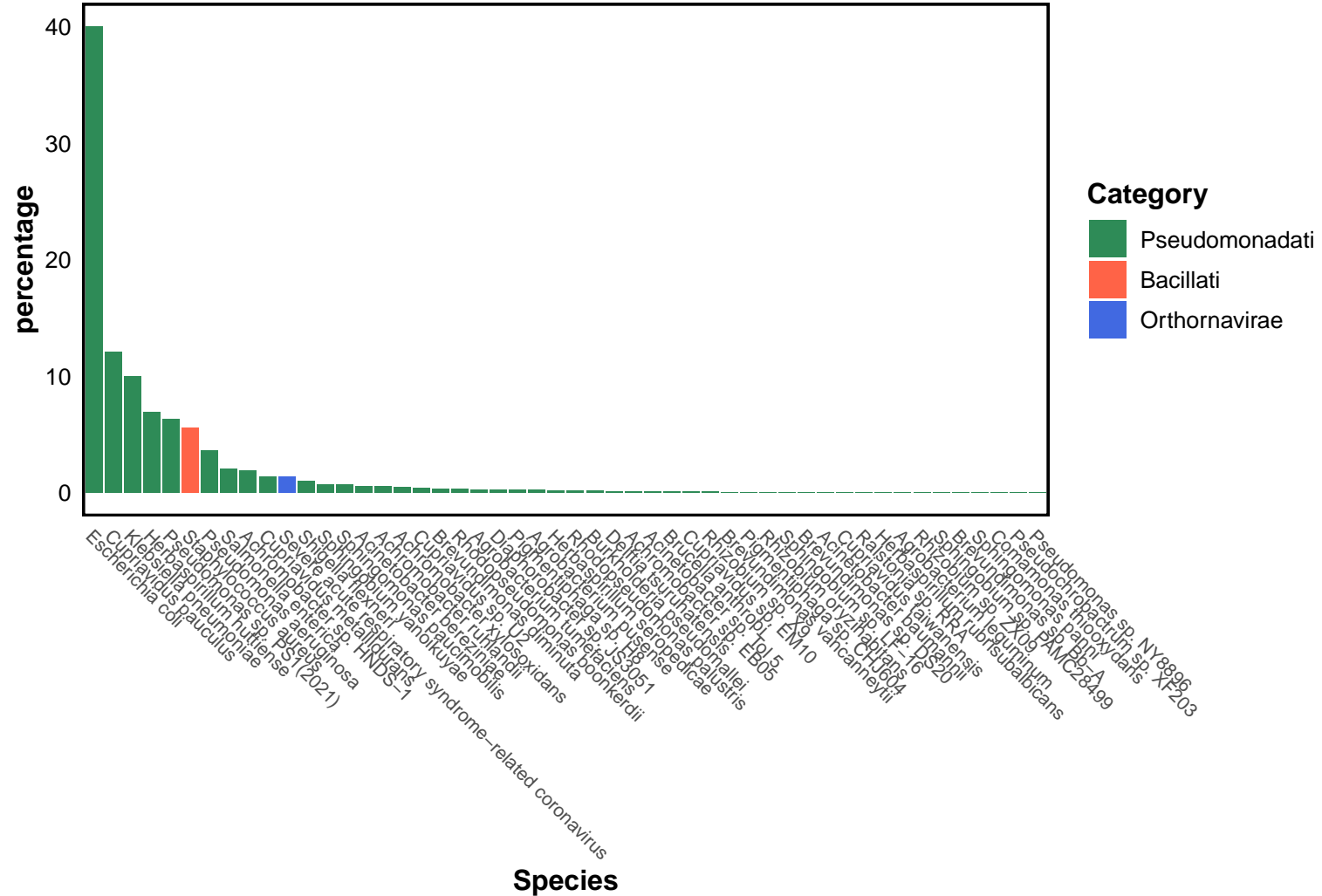


Species by Kingdom – X30306045

Top 50 species by Log10(bracken_reads + 1)



Top 50 species by percentage



Kraken2 vs Bracken Reads – X30306045

Top species (log10 scale)

