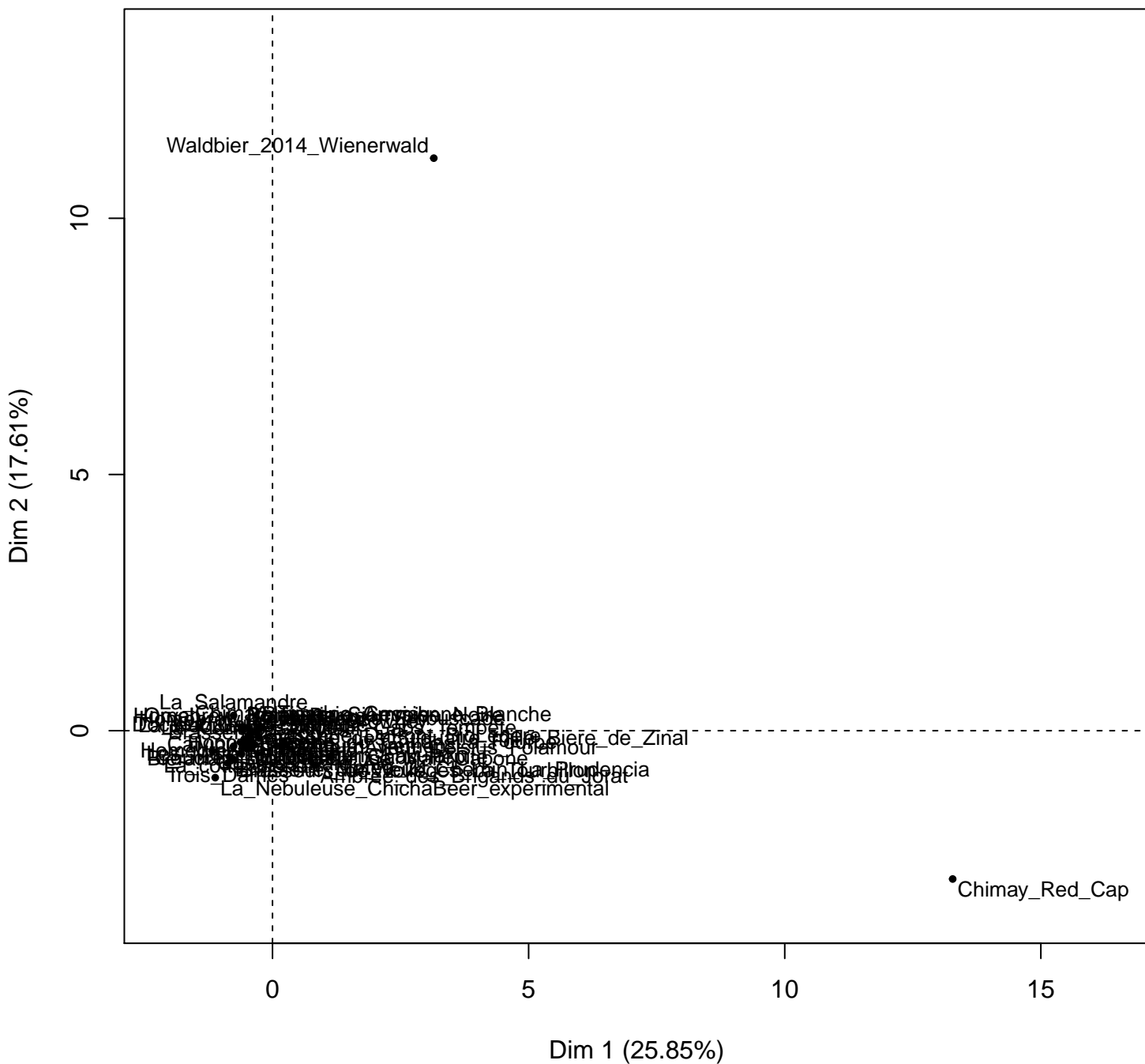
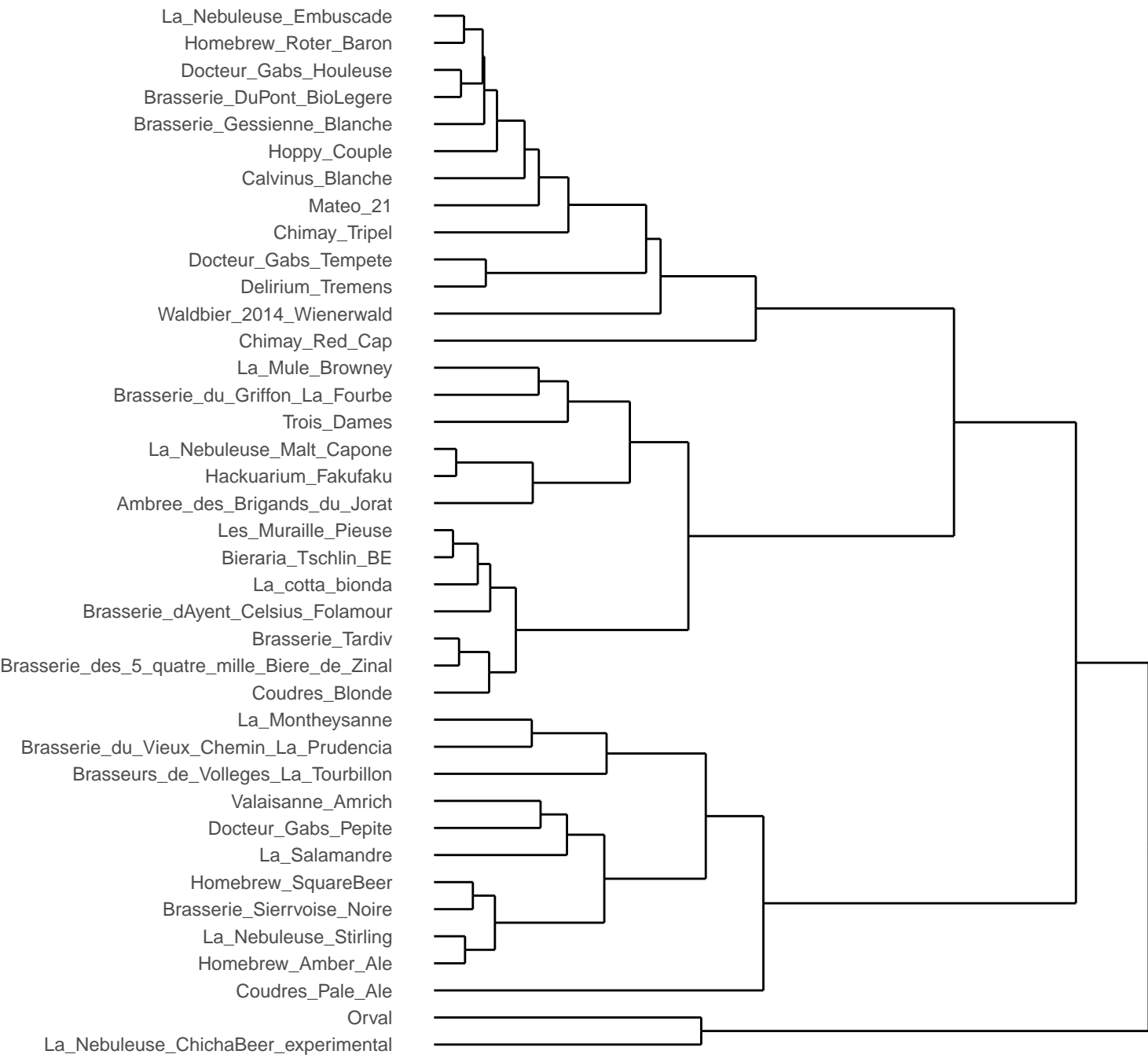


Individuals factor map (PCA)



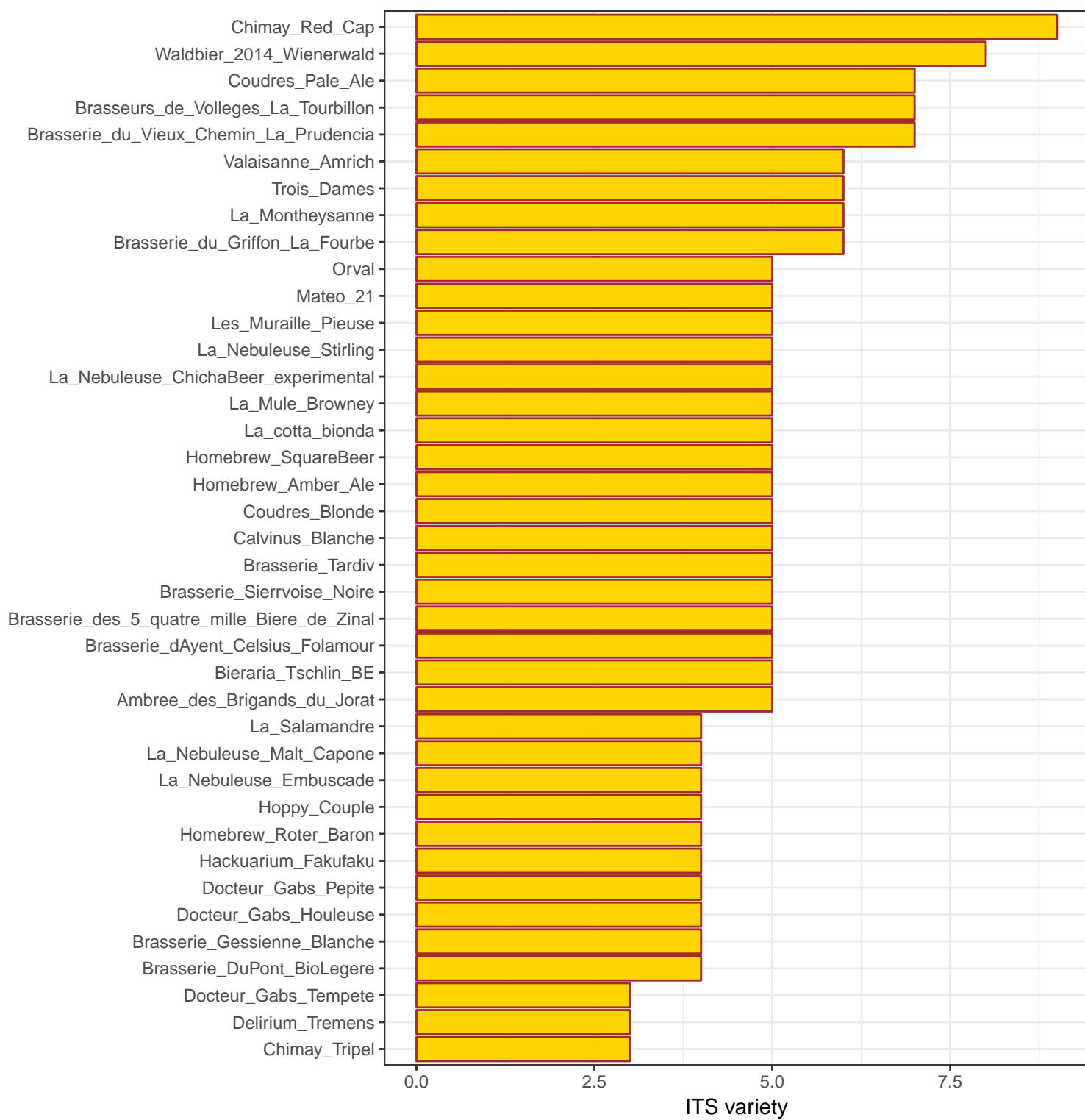


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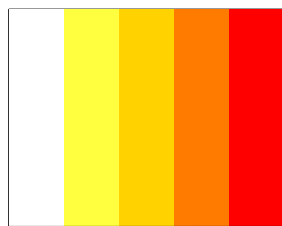
10

20





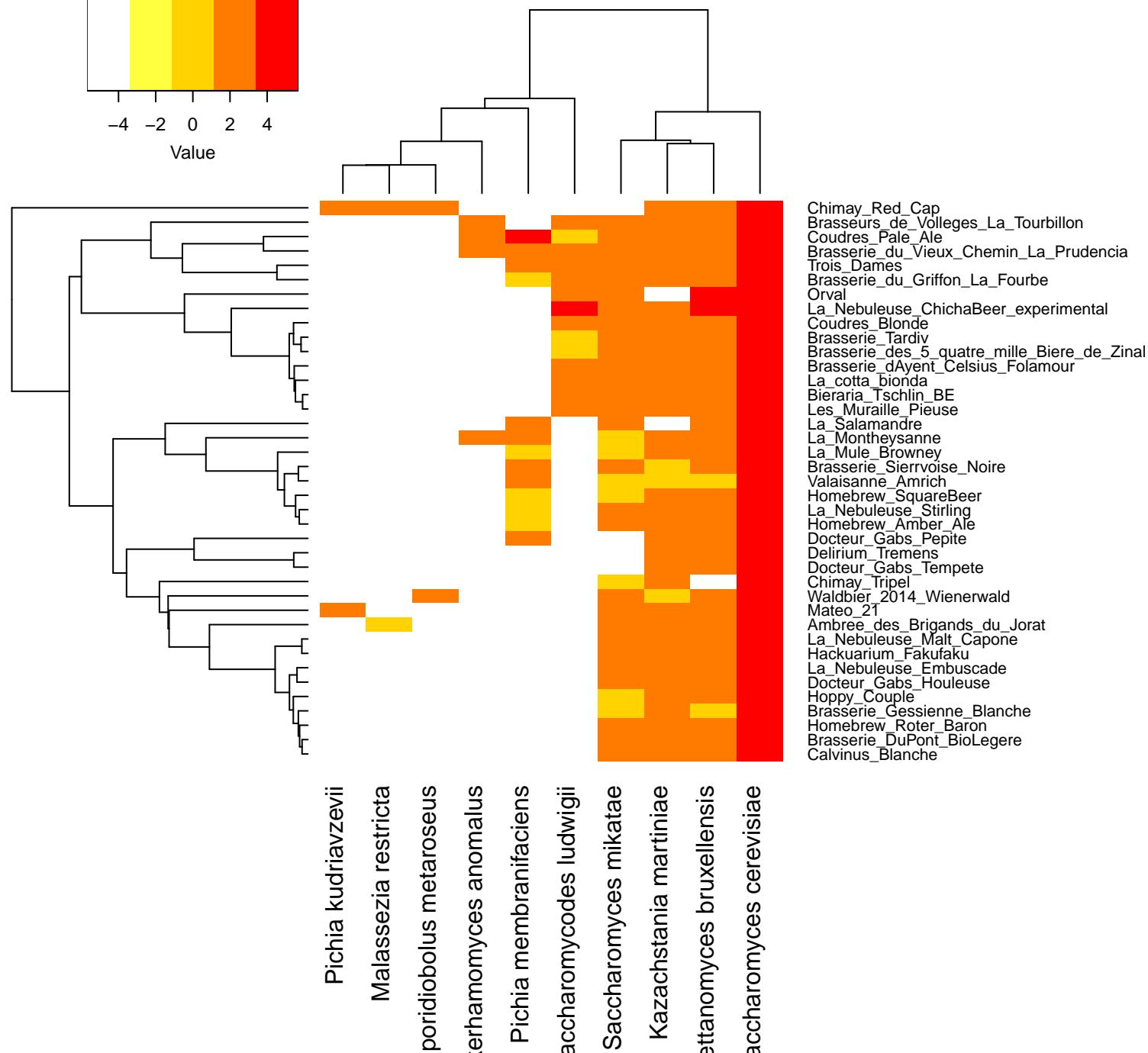
Color Key

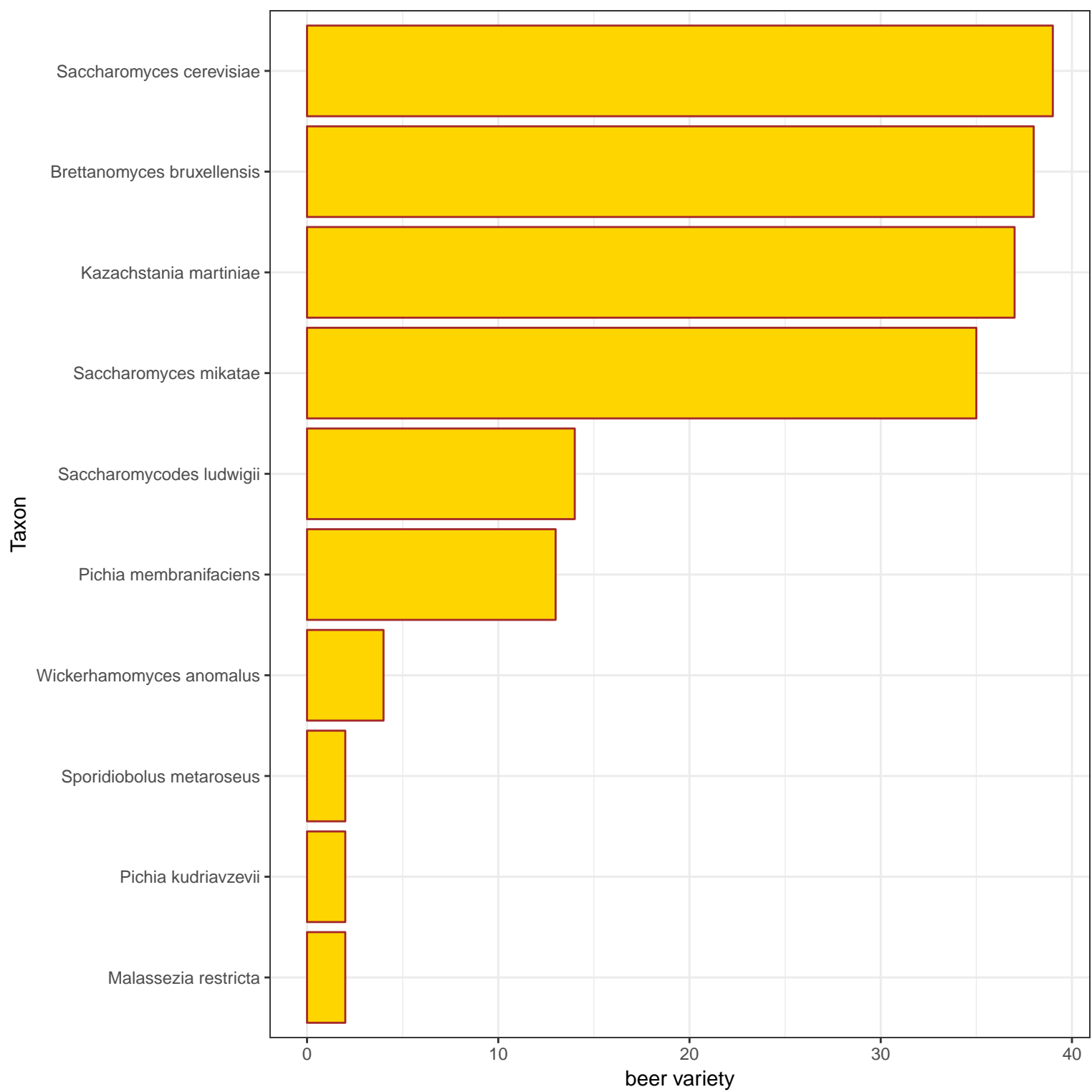


-4 -2 0 2 4

Value

Beer ITS content





Ambree_des_Brigands_du_Jorat

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

Malassezia restricta

0

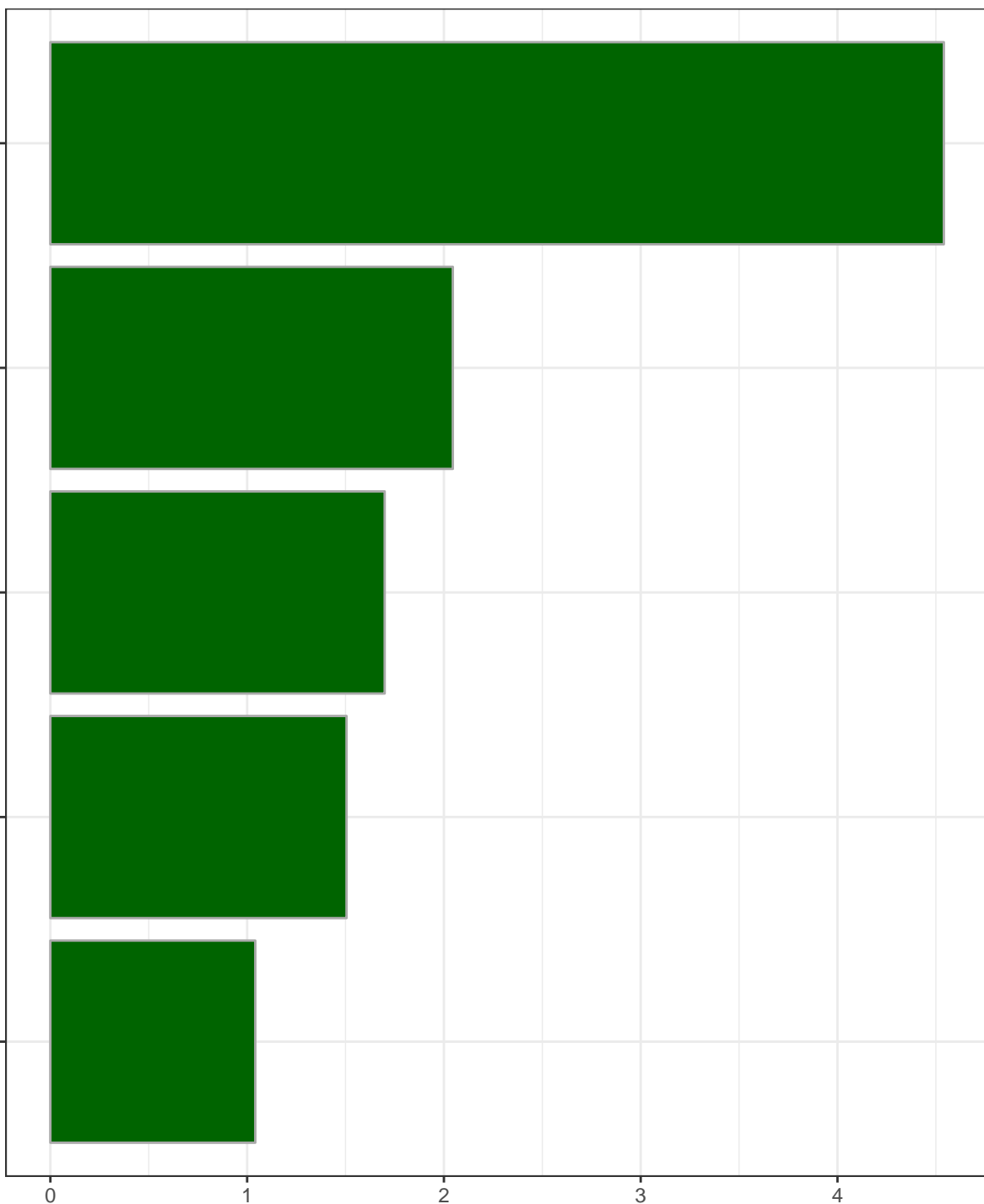
1

2

3

4

log10 counts



Bieraria_Tschlin_BE

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces ludwigii

Kazachstania martiniae

Saccharomyces mikatae

0

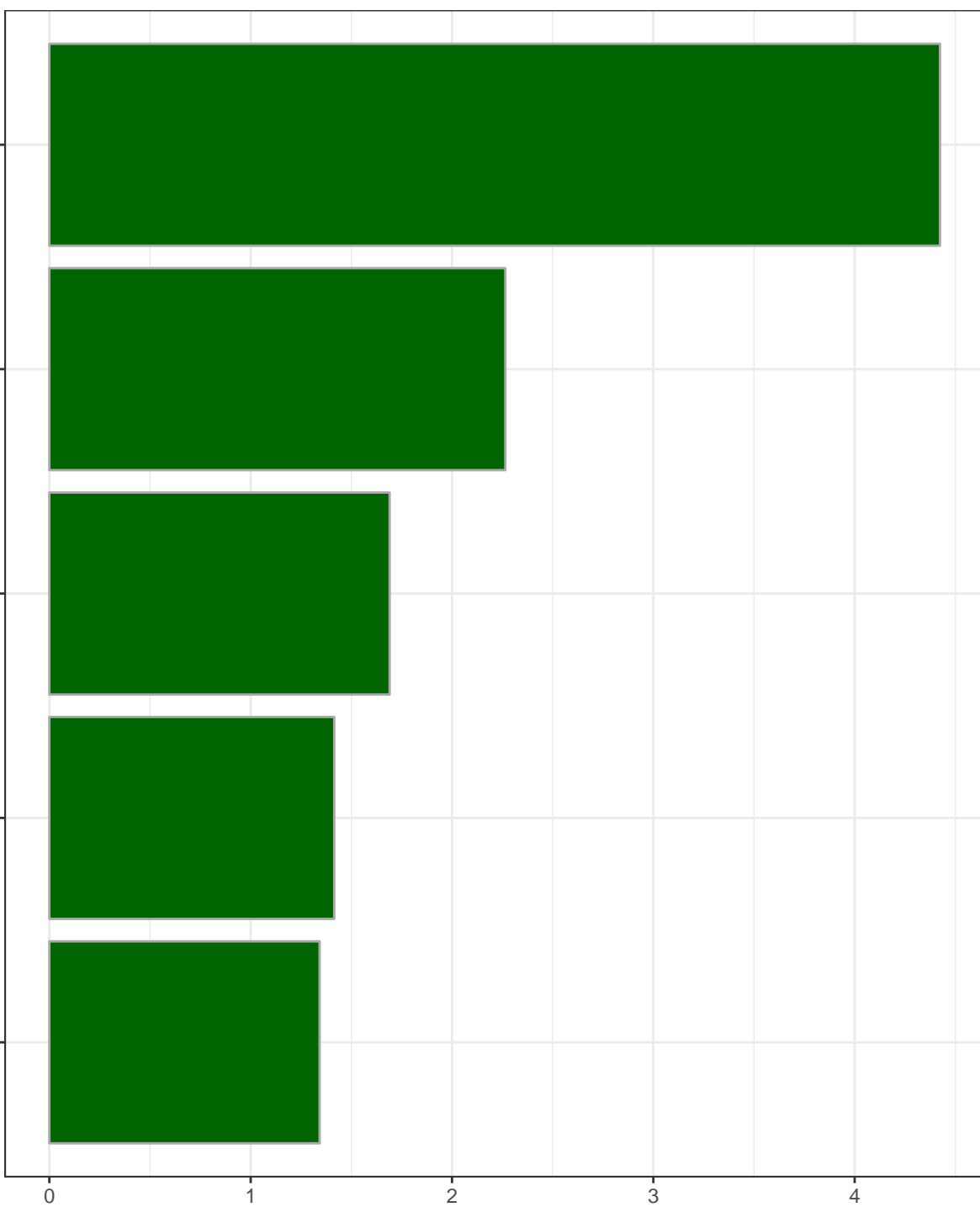
1

2

3

4

log10 counts



Brasserie_dAyent_Celsius_Folamour

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

Saccharomycodes ludwigii

0

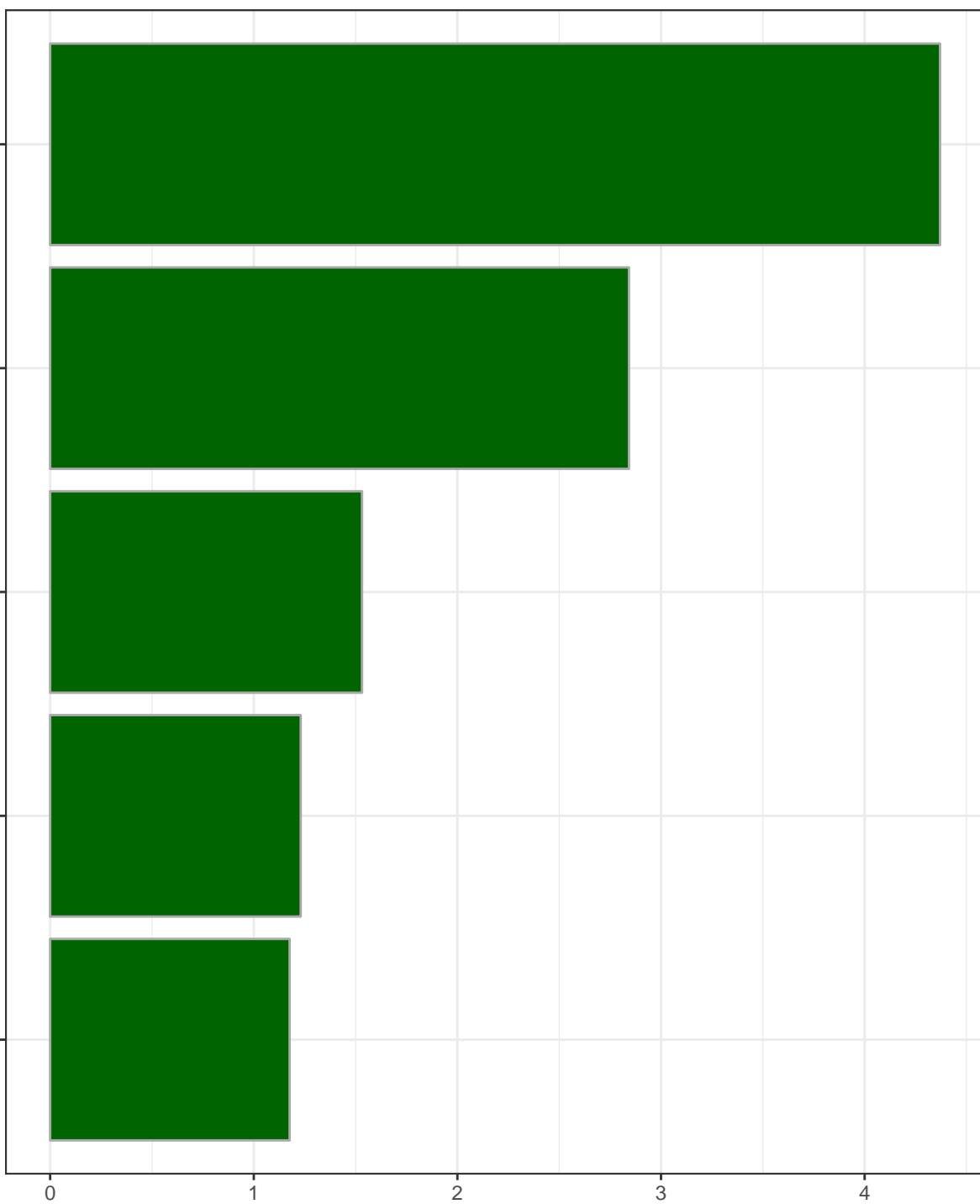
1

2

3

4

log10 counts



Brasserie_des_5_quatre_mille_Biere_de_Zinal

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

Saccharomycodes ludwigii

0

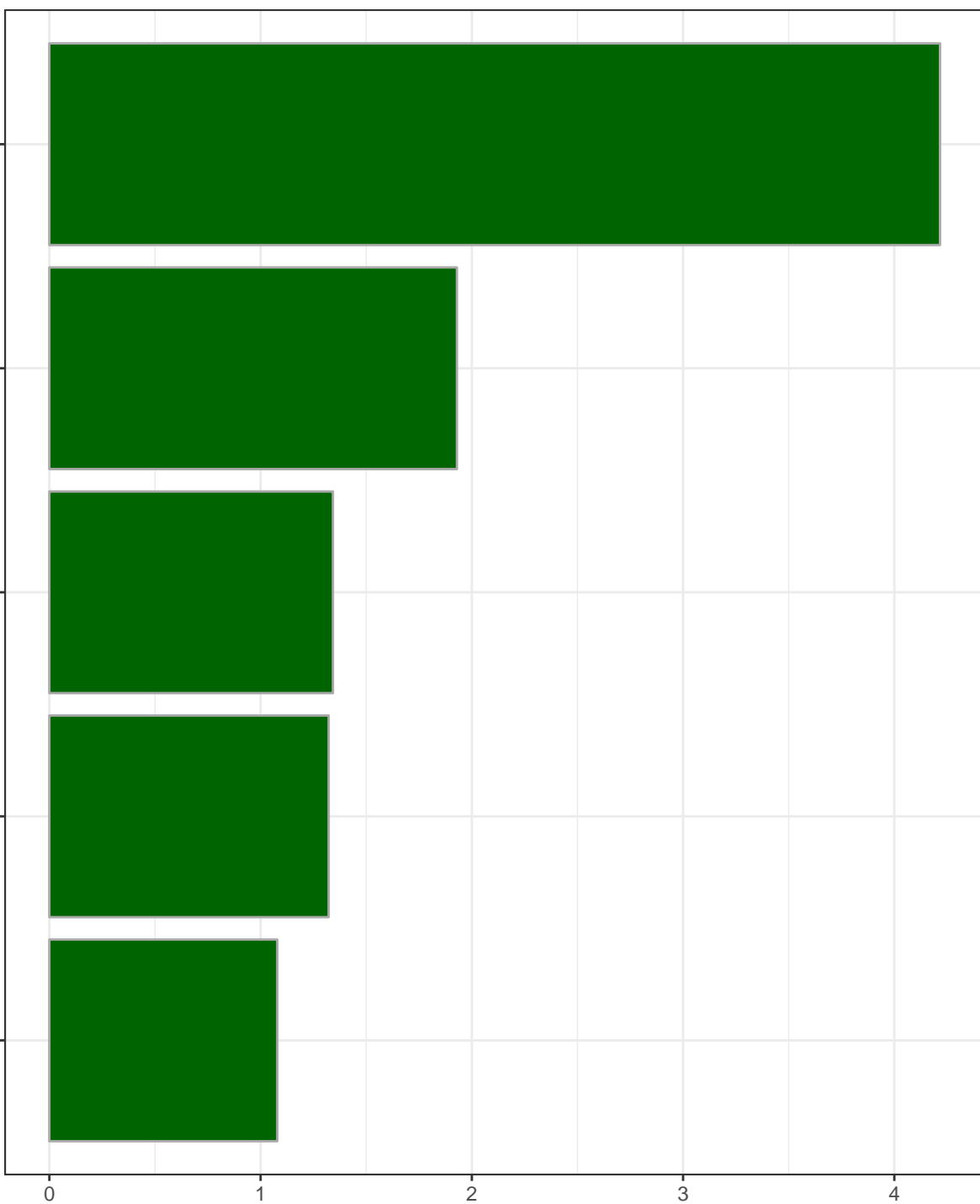
1

2

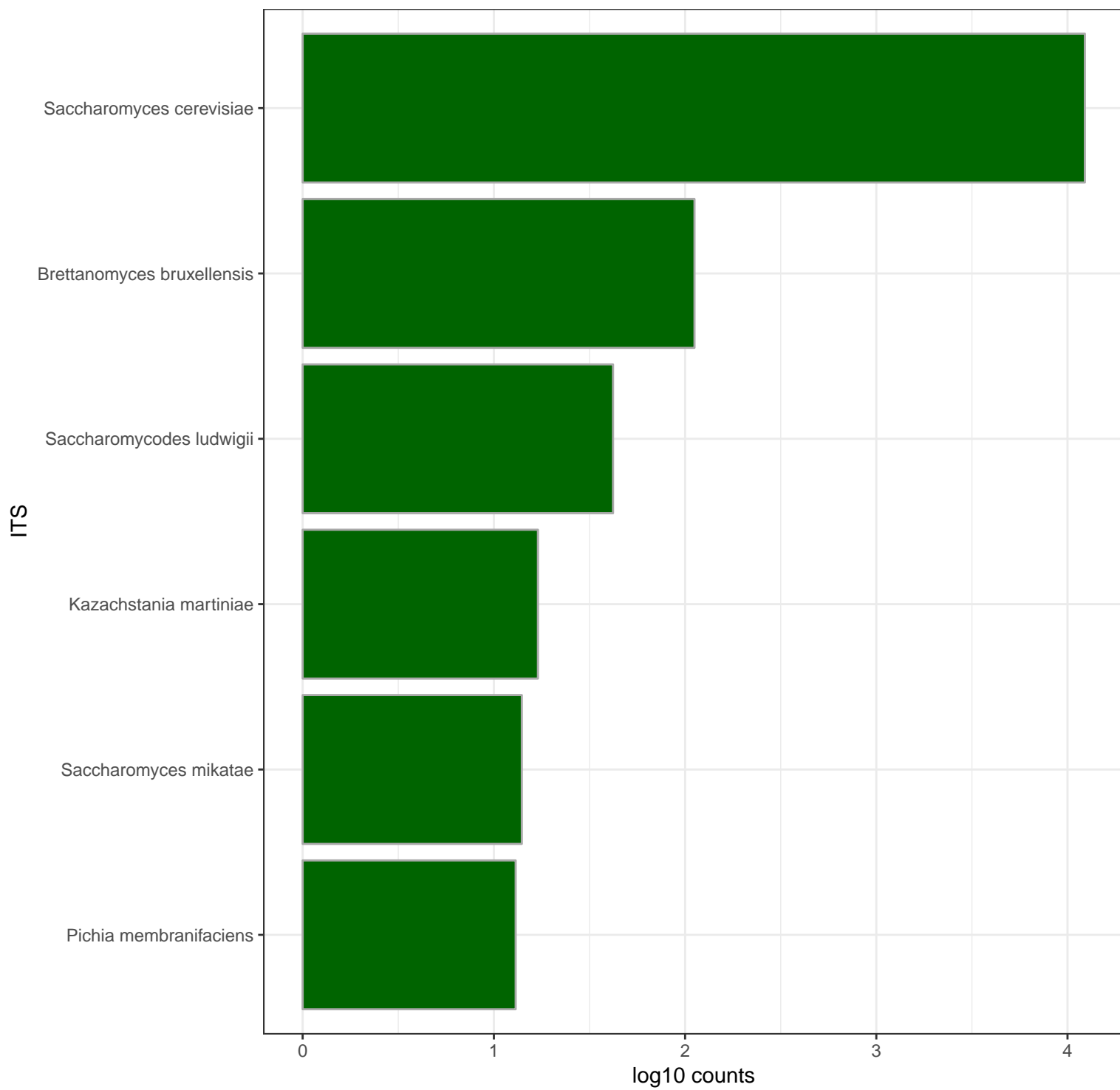
3

4

log10 counts



Brasserie_du_Griffon_La_Fourbe



Brasserie_DuPont_BioLegere

ITS

Saccharomyces cerevisiae

Kazachstania martiniae

Brettanomyces bruxellensis

Saccharomyces mikatae

0

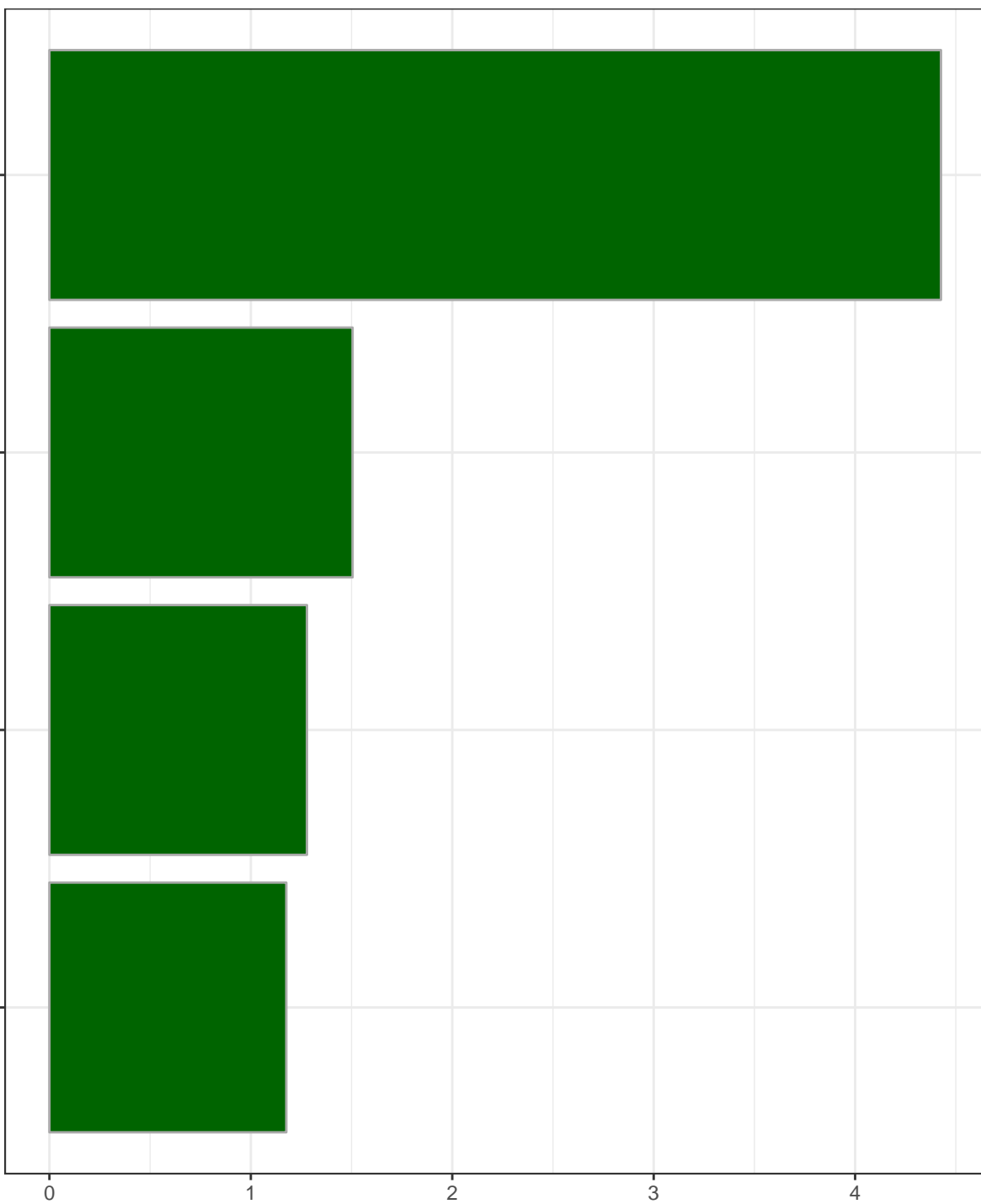
1

2

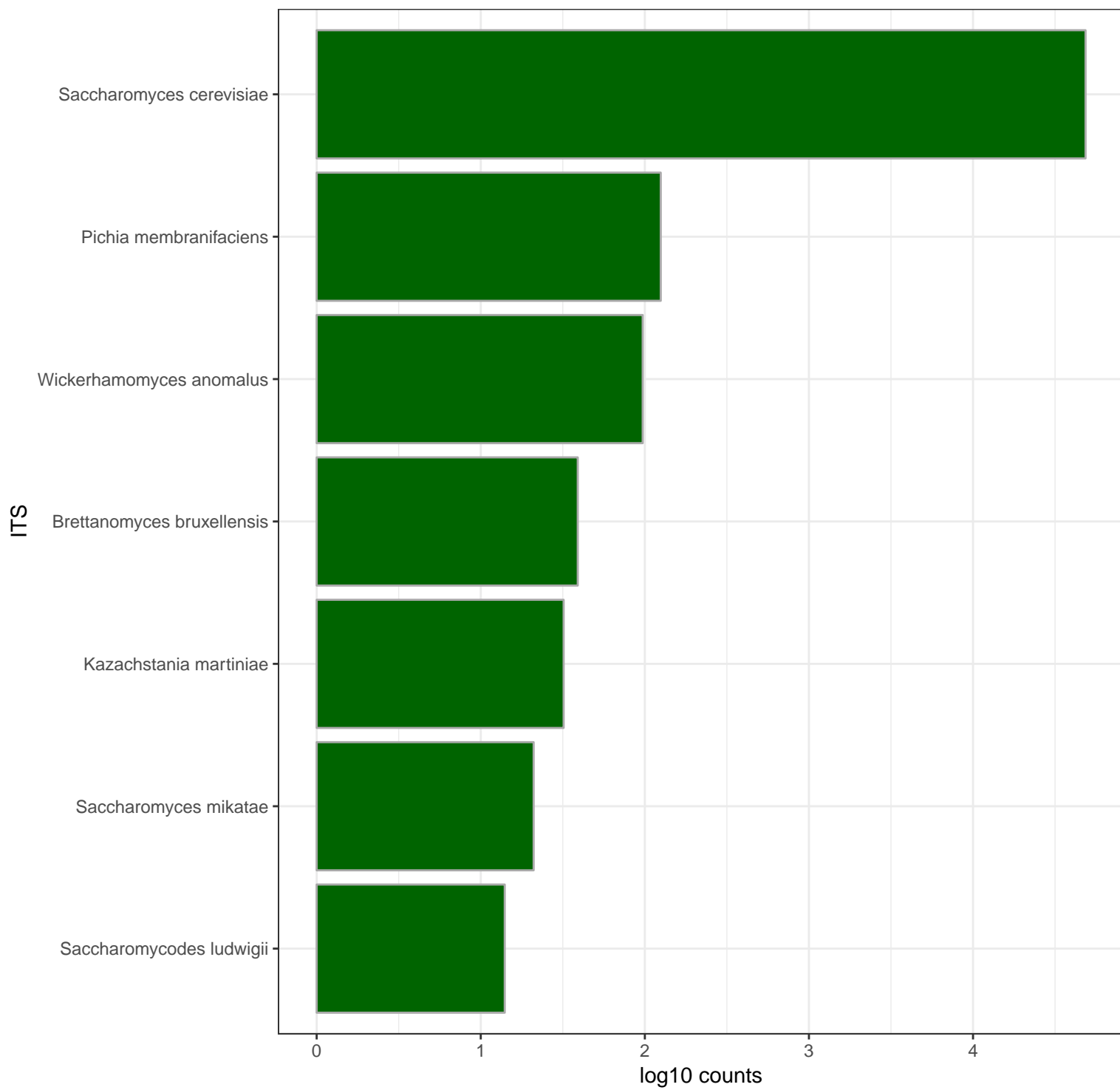
3

4

log10 counts



Brasserie_du_Vieux_Chemin_La_Prudencia



Brasserie_Gessienne_Blanche

ITS

Saccharomyces cerevisiae

Kazachstania martiniae

Brettanomyces bruxellensis

Saccharomyces mikatae

0

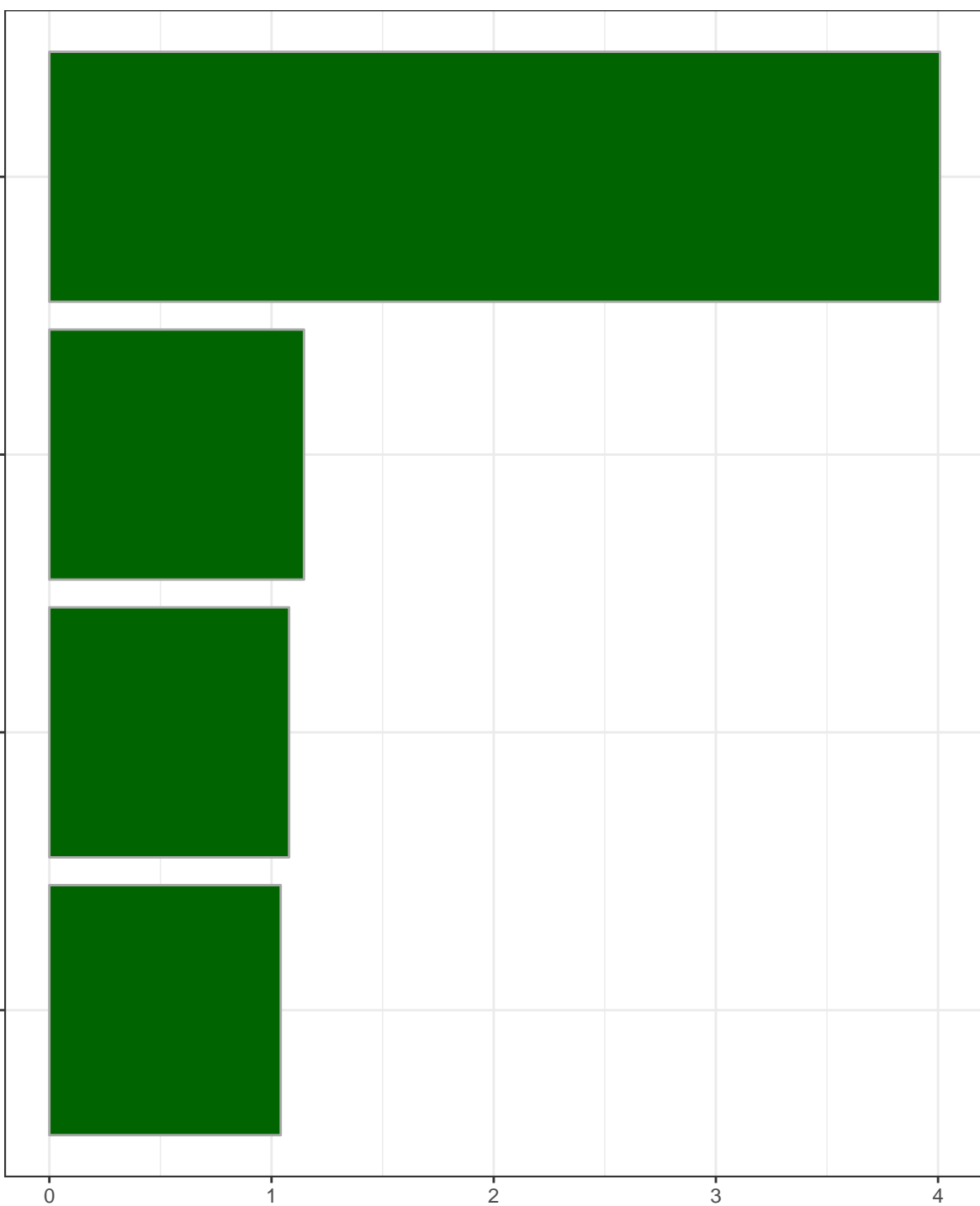
1

2

3

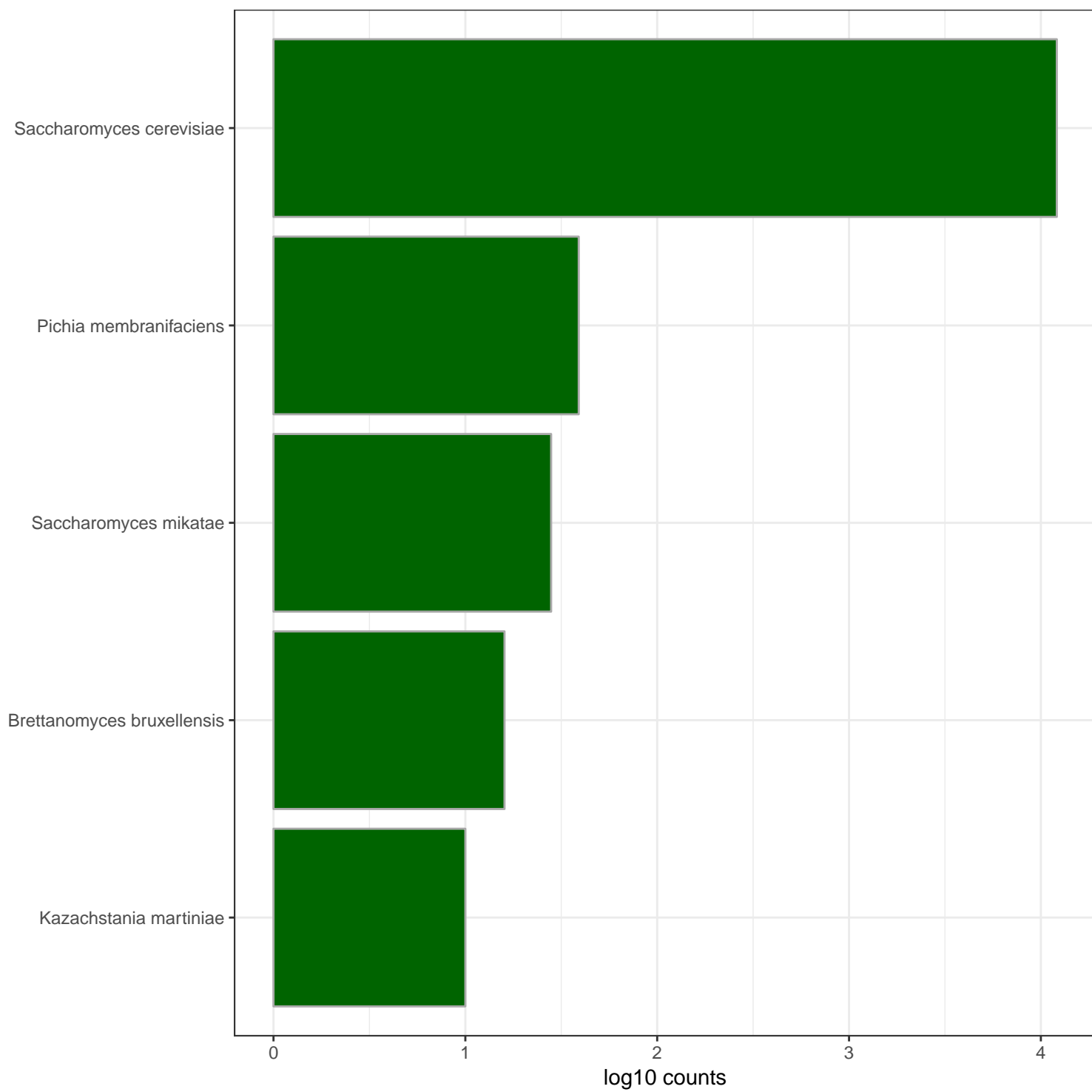
4

log10 counts



Brasserie_Sierrvoise_Noire

ITS



Brasserie_Tardiv

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

Saccharomycodes ludwigii

0

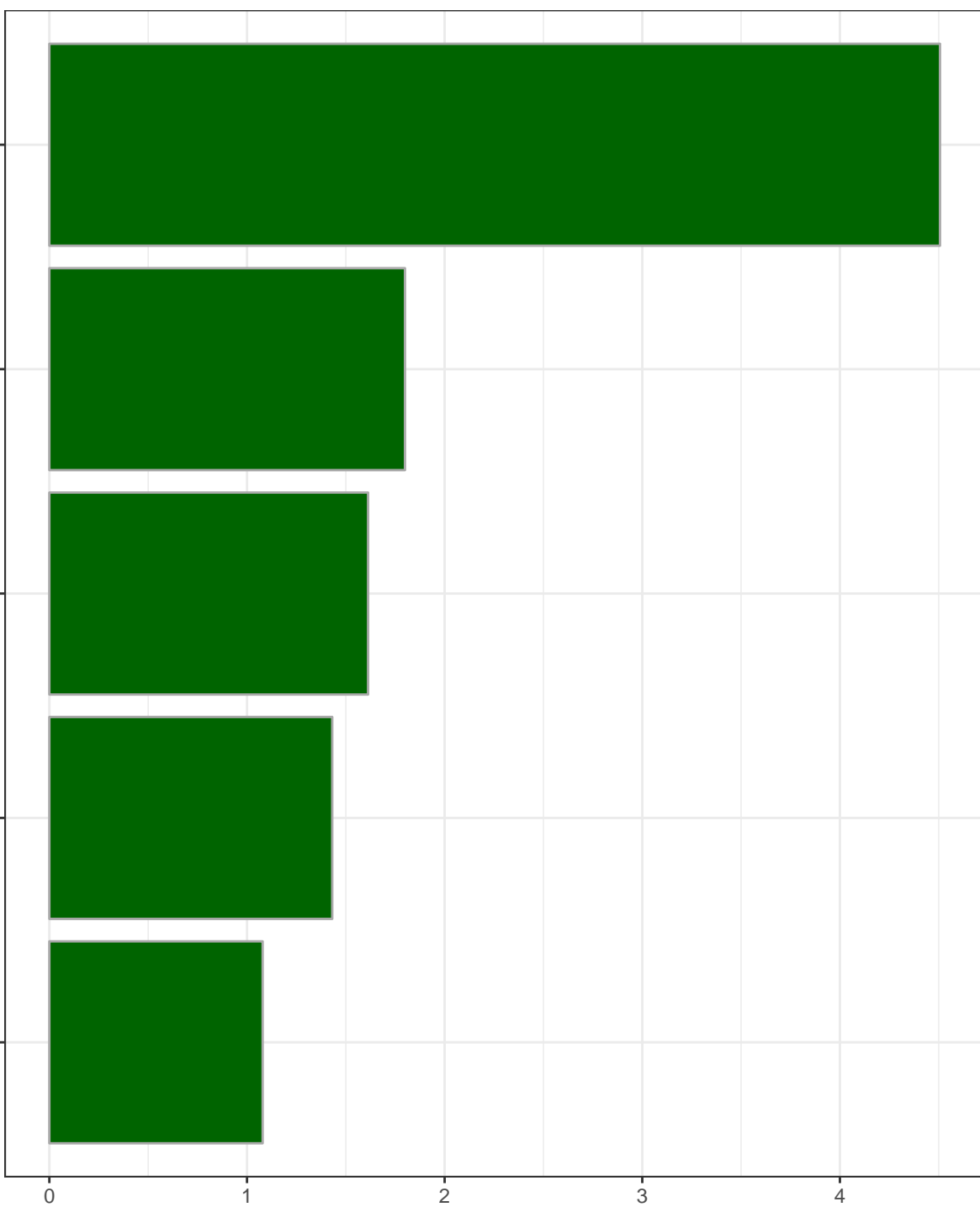
1

2

3

4

log10 counts



Brasseurs_de_Volleges_La_Tourbillon

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Walleimia muriae

Wickerhamomyces anomalus

Kazachstania martiniae

Saccharomycodes ludwigii

Saccharomyces mikatae

0

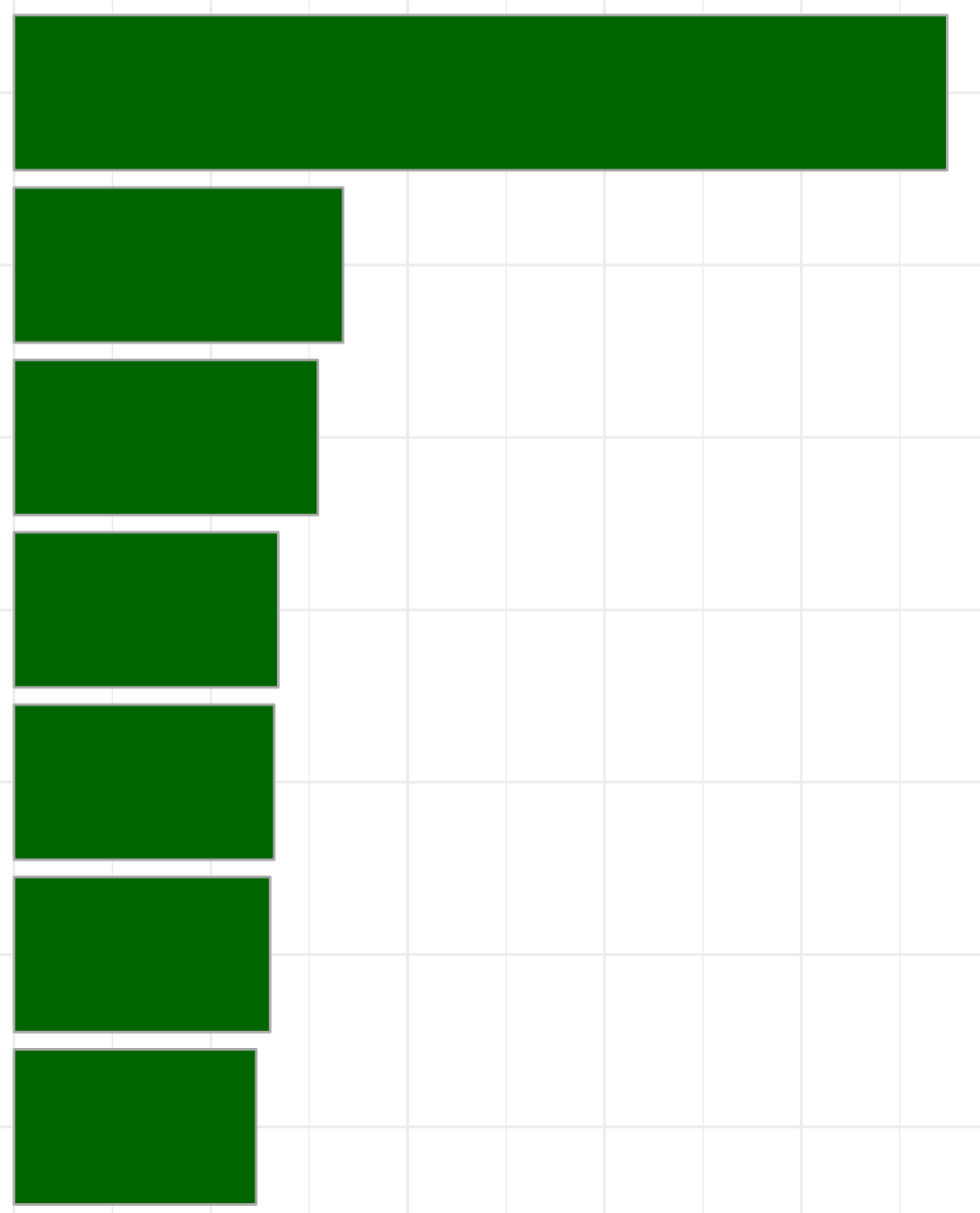
1

2

3

4

log10 counts



Calvinus_Blanche

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces mikatae

Kazachstania martiniae

Pichia fermentans

0

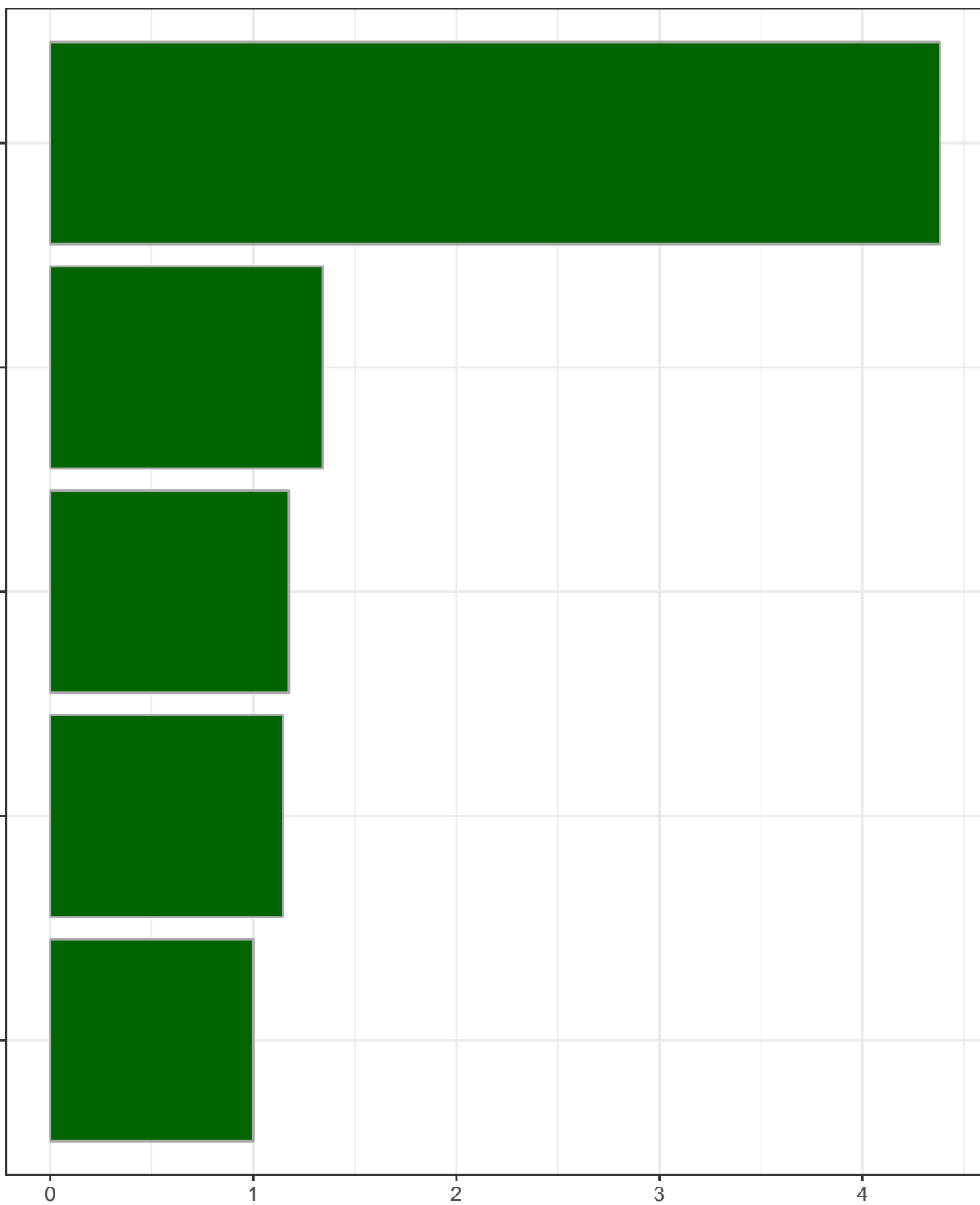
1

2

3

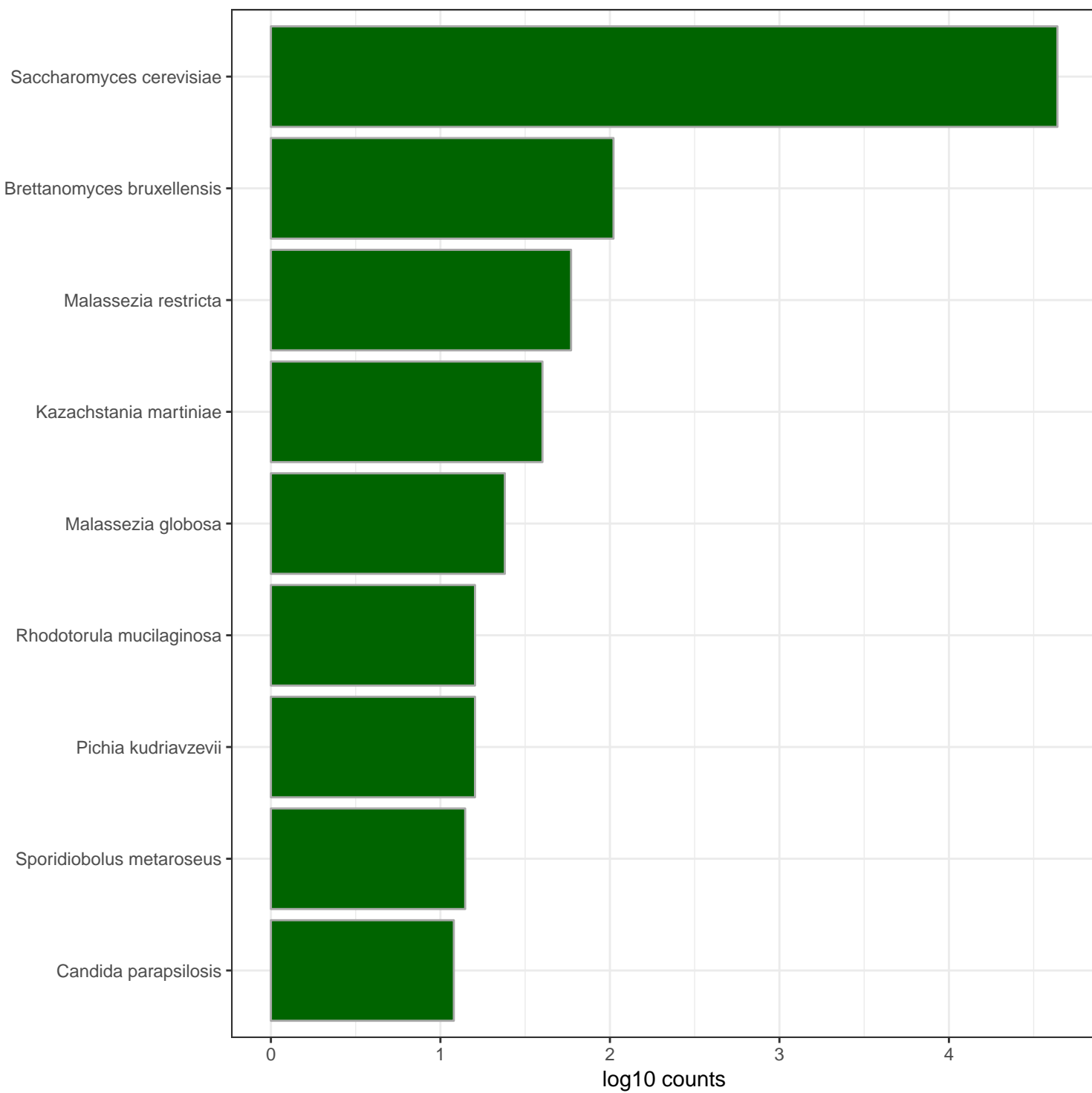
4

log10 counts



Chimay_Red_Cap

ITS



Chimay_Tripel

ITS

Saccharomyces cerevisiae

Kazachstania martiniae

Saccharomyces mikatae

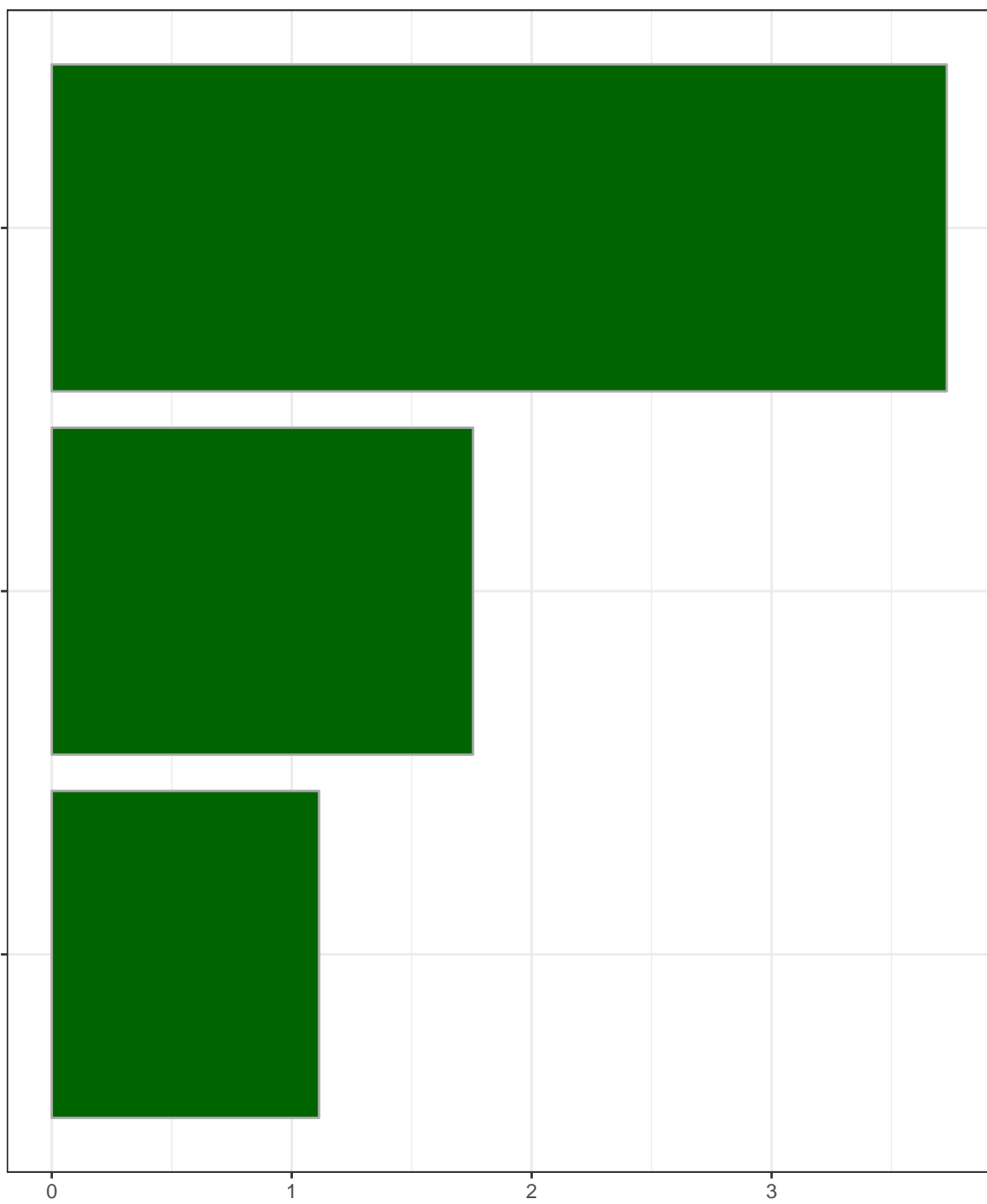
0

1

2

3

log10 counts



Coudres_Blonde

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces mikatae

Kazachstania martiniae

Saccharomycodes ludwigii

0

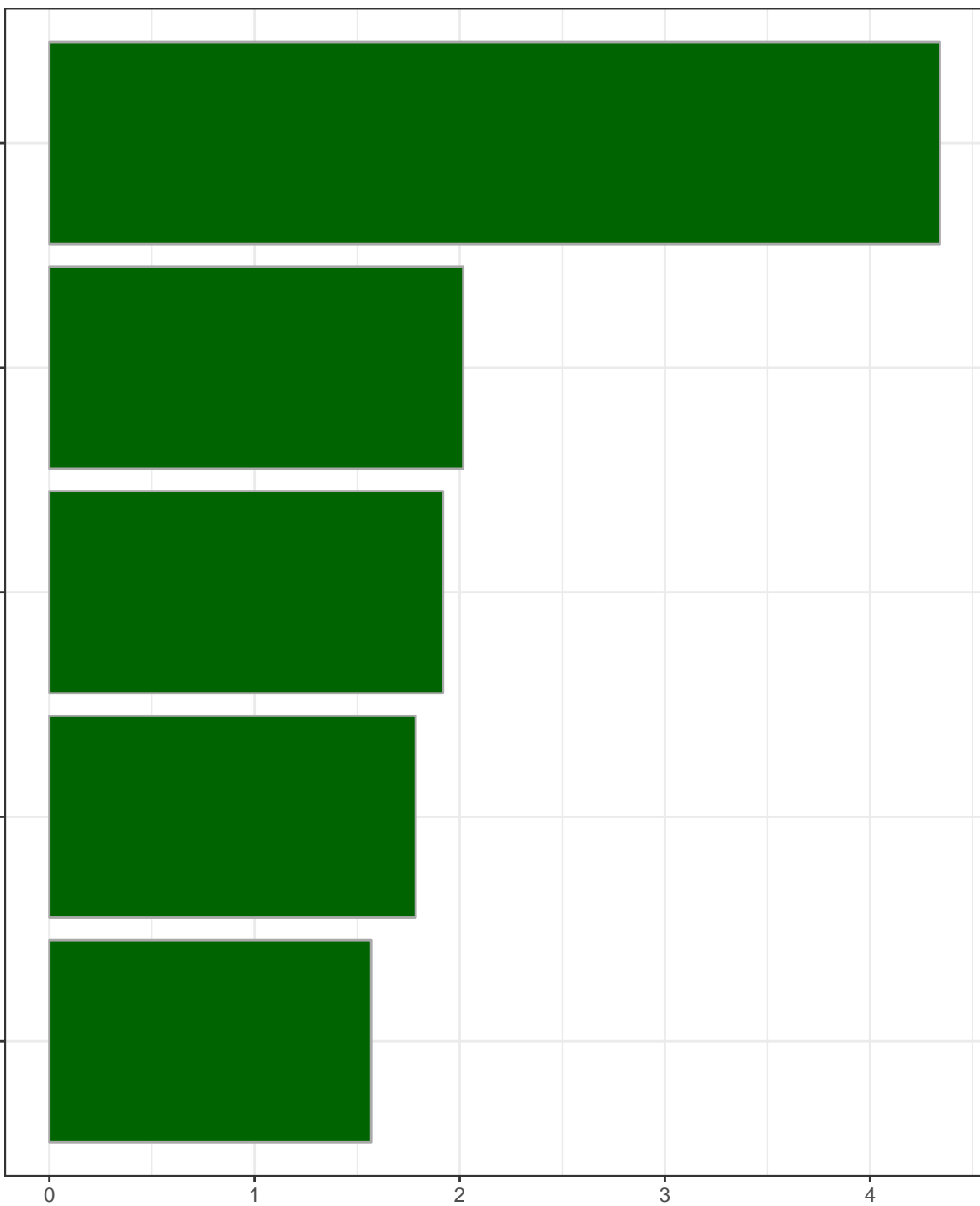
1

2

3

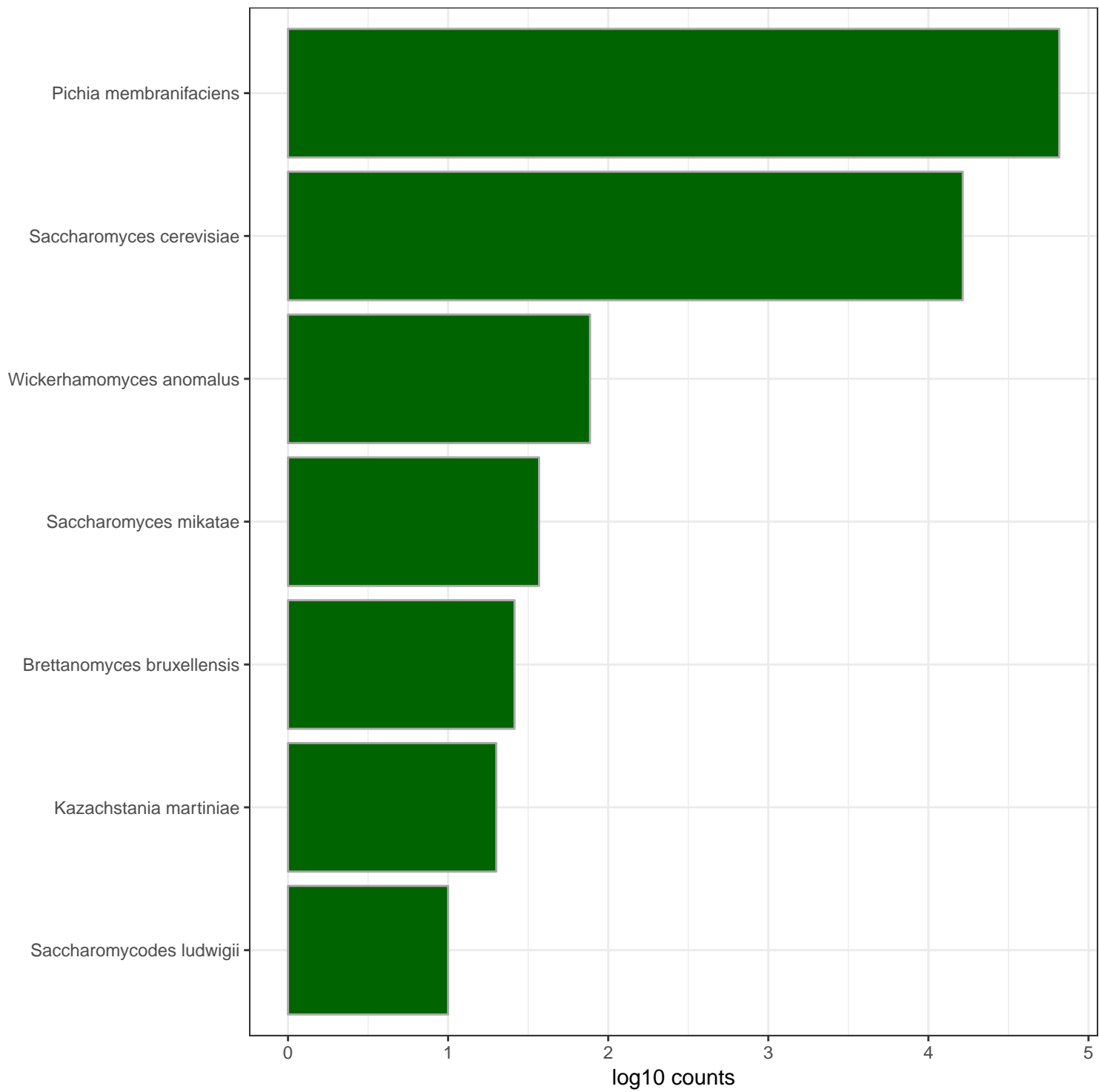
4

log10 counts



Coudres_Pale_Ale

ITS



Delirium_Tremens

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

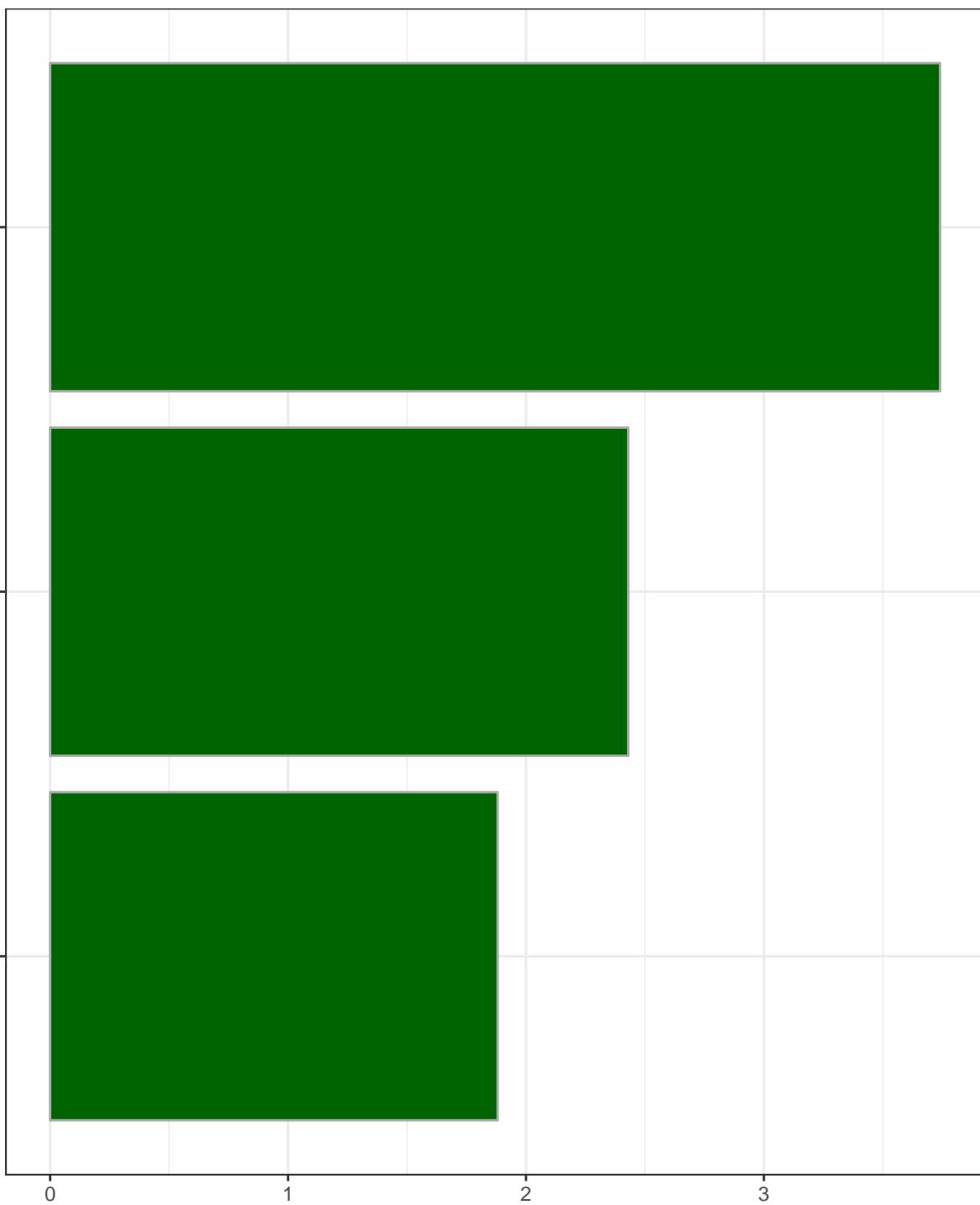
0

1

2

3

log10 counts



ITS

*Saccharomyces cerevisiae**Saccharomyces mikatae**Kazachstania martiniae**Brettanomyces bruxellensis*

0

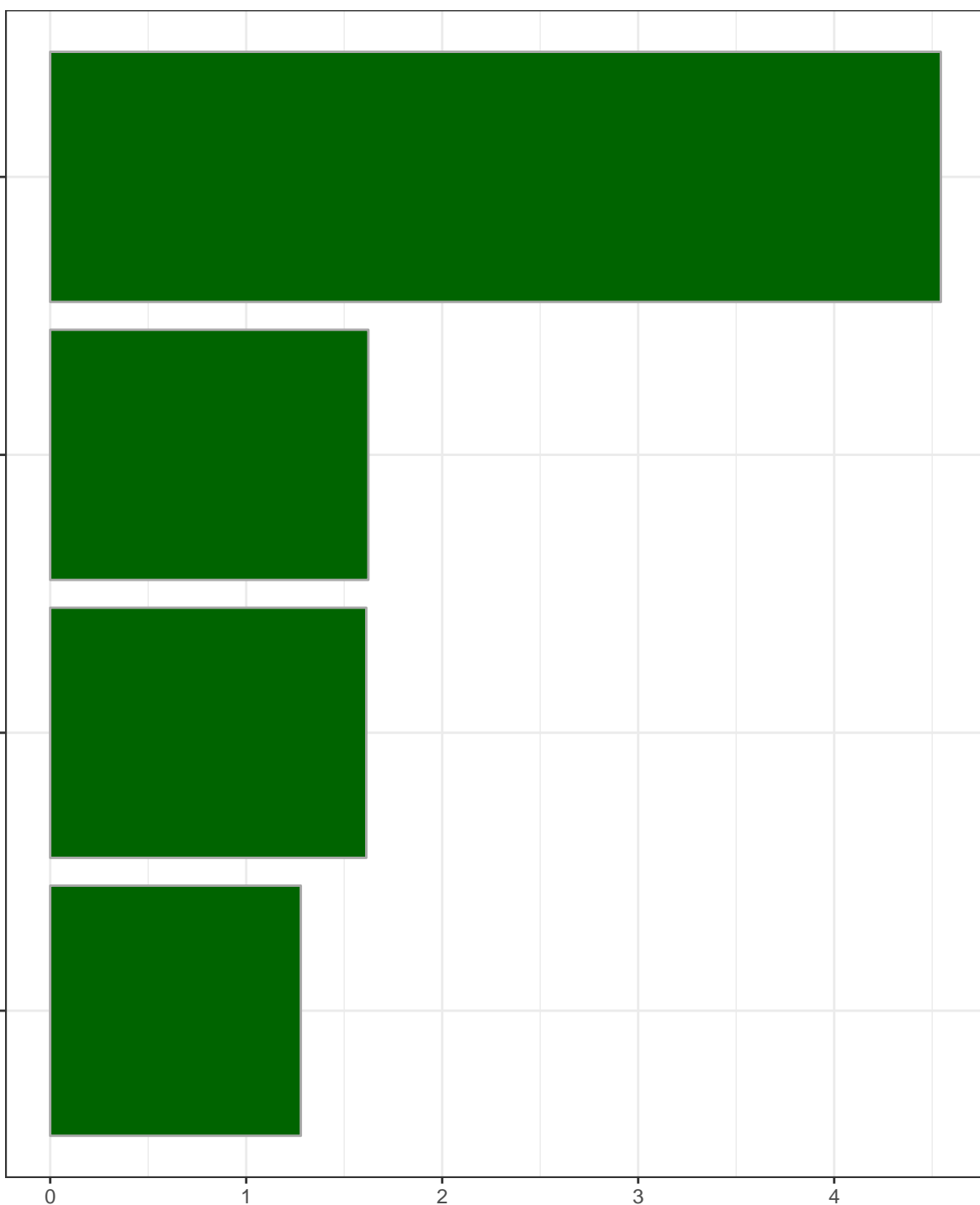
1

2

3

4

log10 counts



ITS

*Saccharomyces cerevisiae**Pichia membranifaciens**Kazachstania martiniae**Brettanomyces bruxellensis*

0

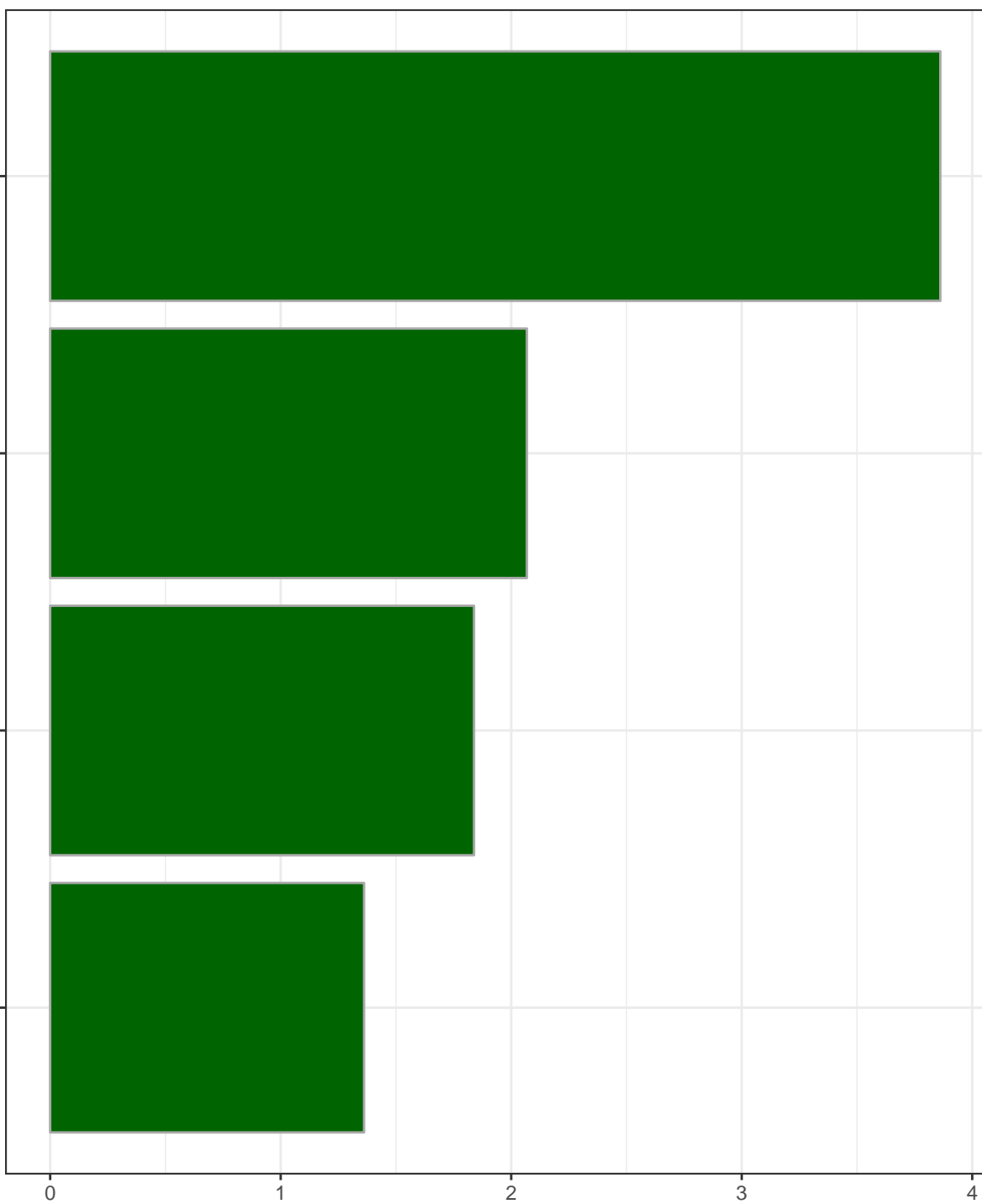
1

2

3

4

log10 counts



ITS

Saccharomyces cerevisiae

Kazachstania martiniae

Brettanomyces bruxellensis

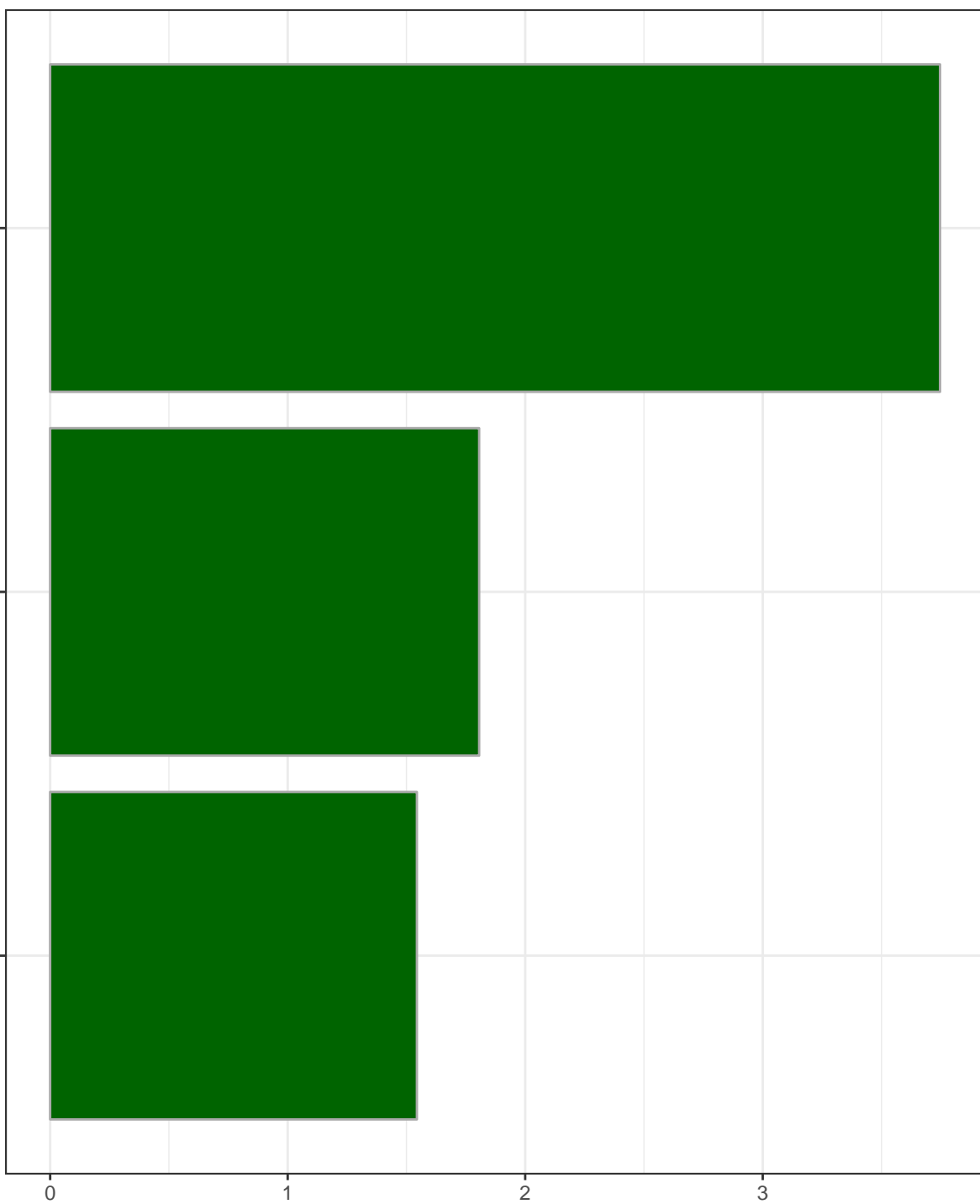
0

1

2

3

log10 counts



Hackuarium_Fakufaku

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

0

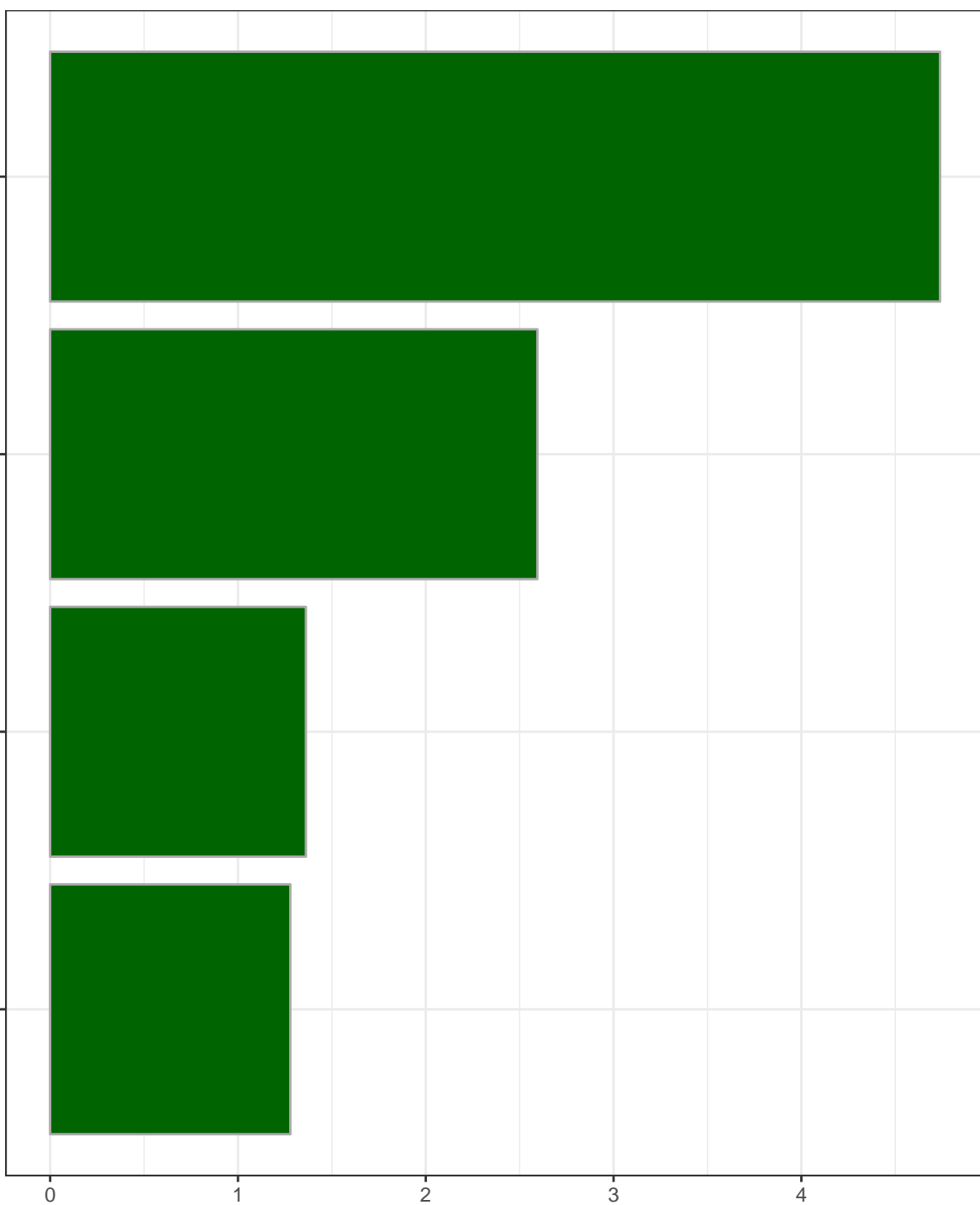
1

2

3

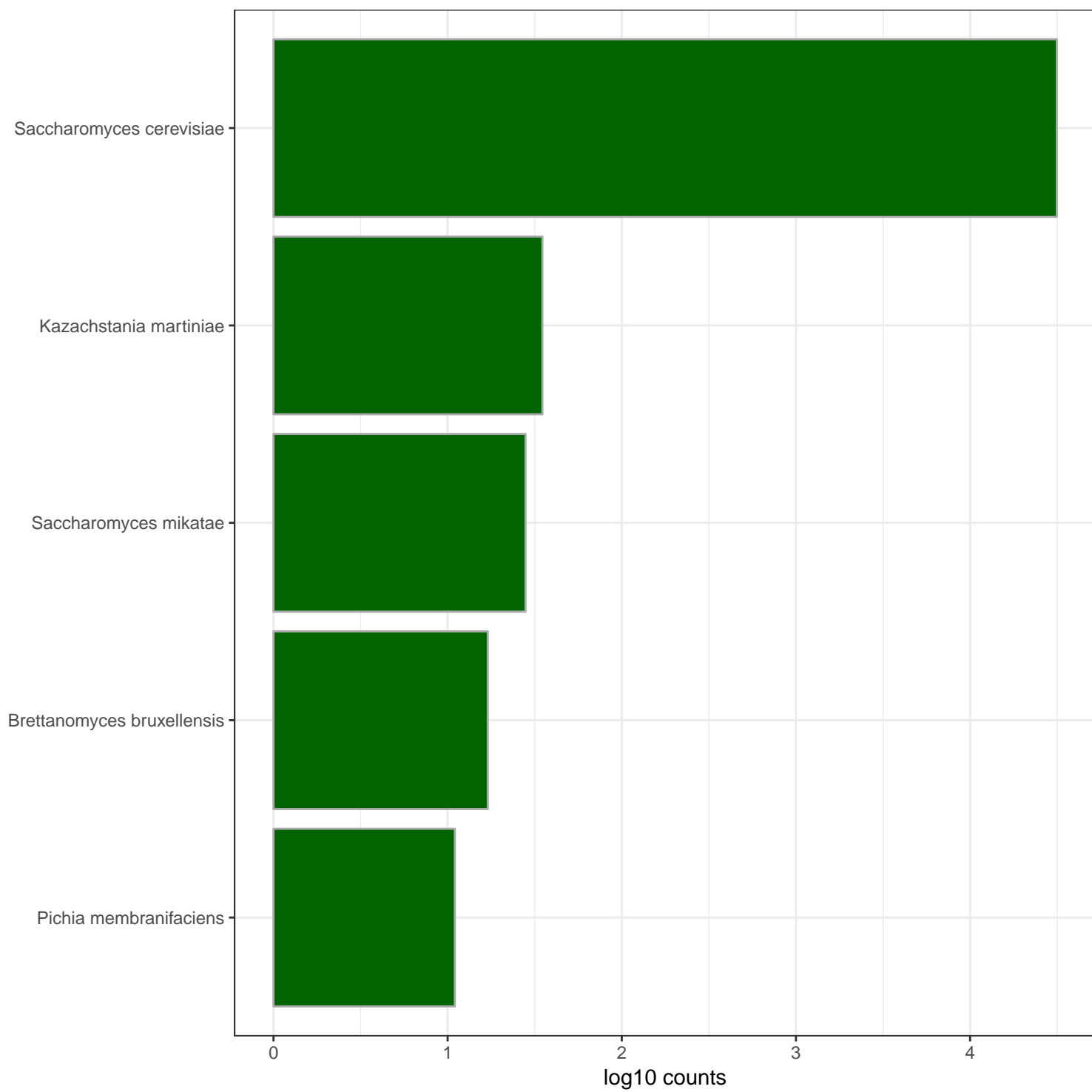
4

log10 counts



Homebrew_Amber_Ale

ITS



Homebrew_Roter_Baron

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces mikatae

Kazachstania martiniae

0

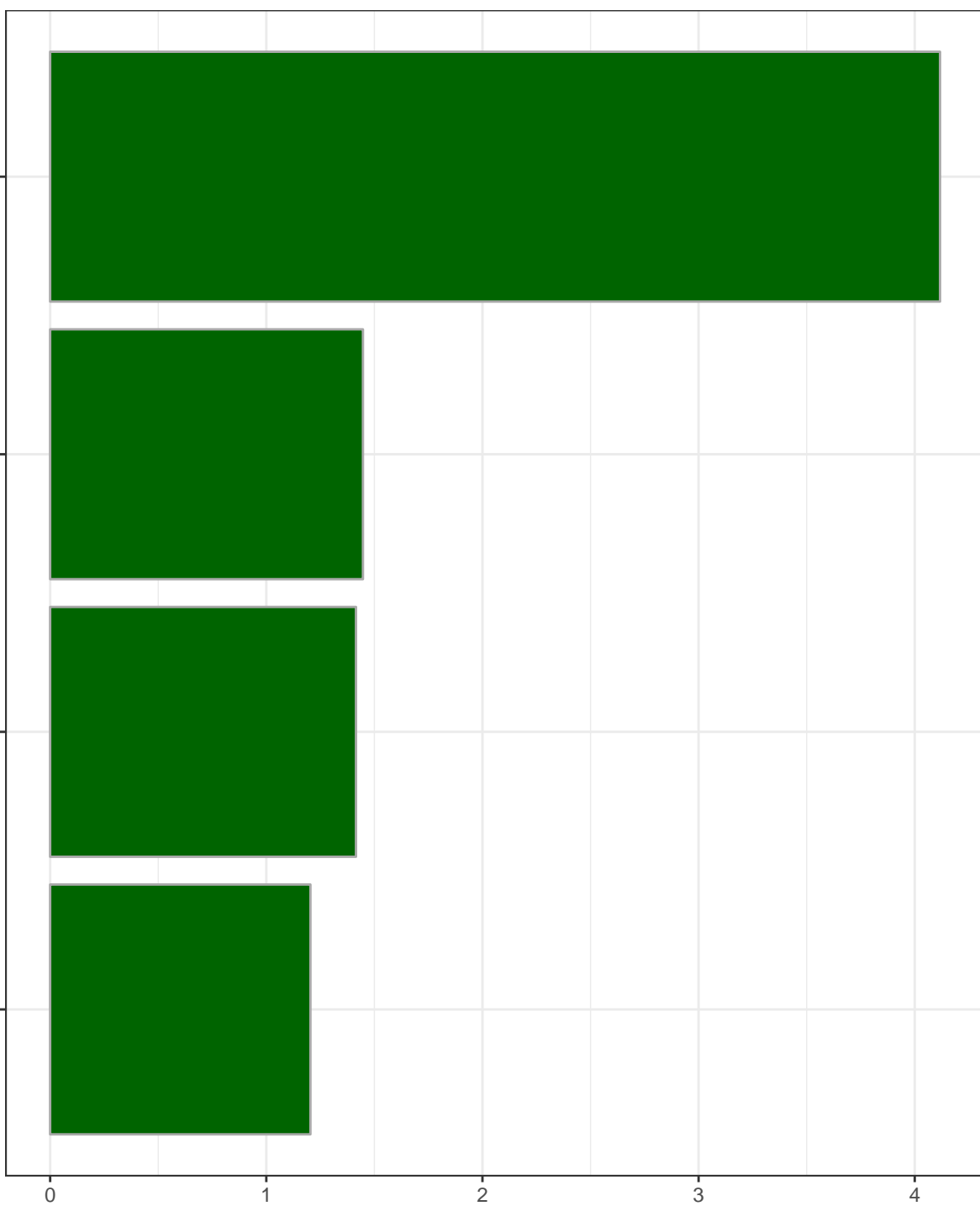
1

2

3

4

log10 counts



Homebrew_SquareBeer

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Pichia membranifaciens

Saccharomyces mikatae

0

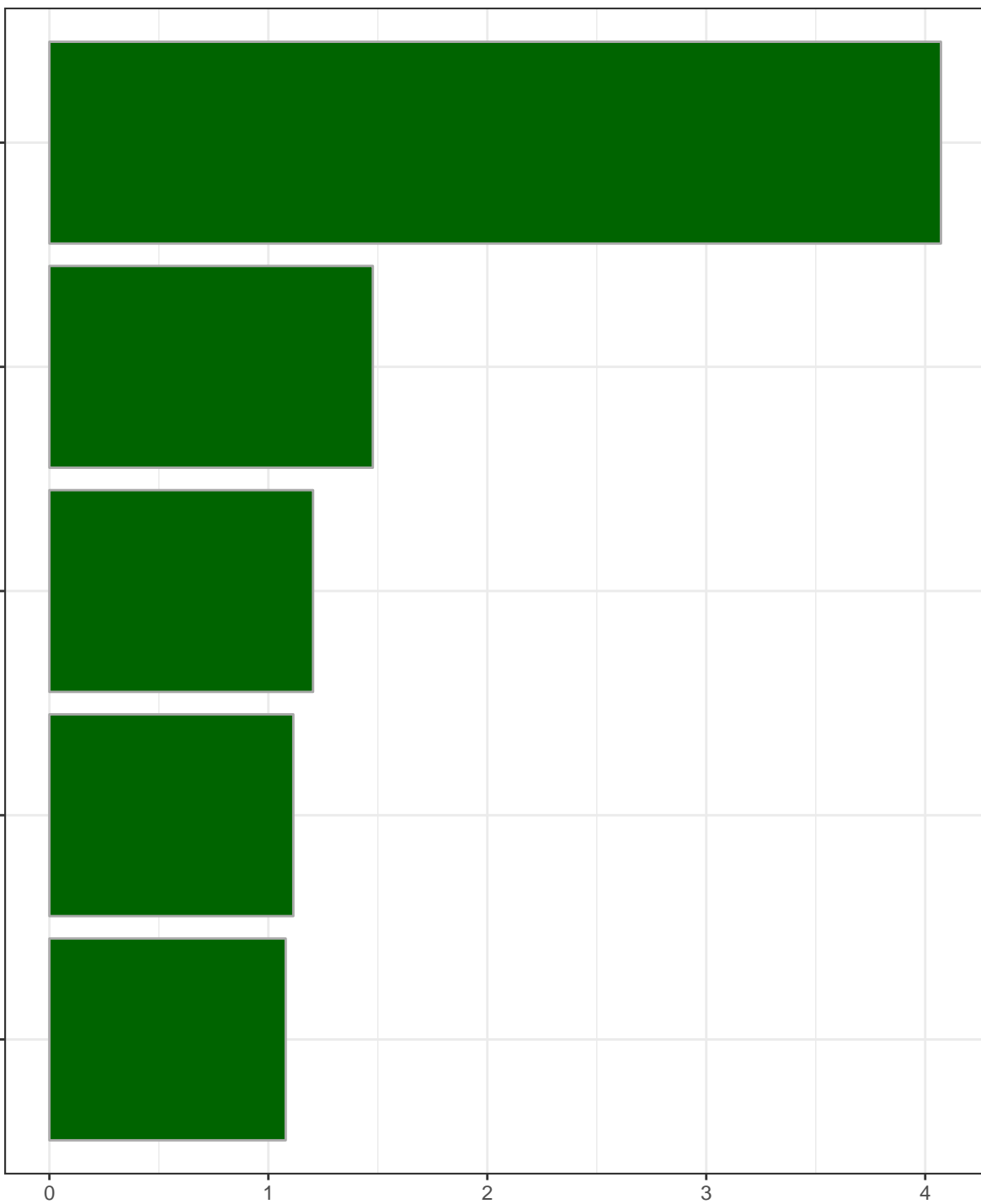
1

2

3

4

log10 counts



Hoppy_Couple

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

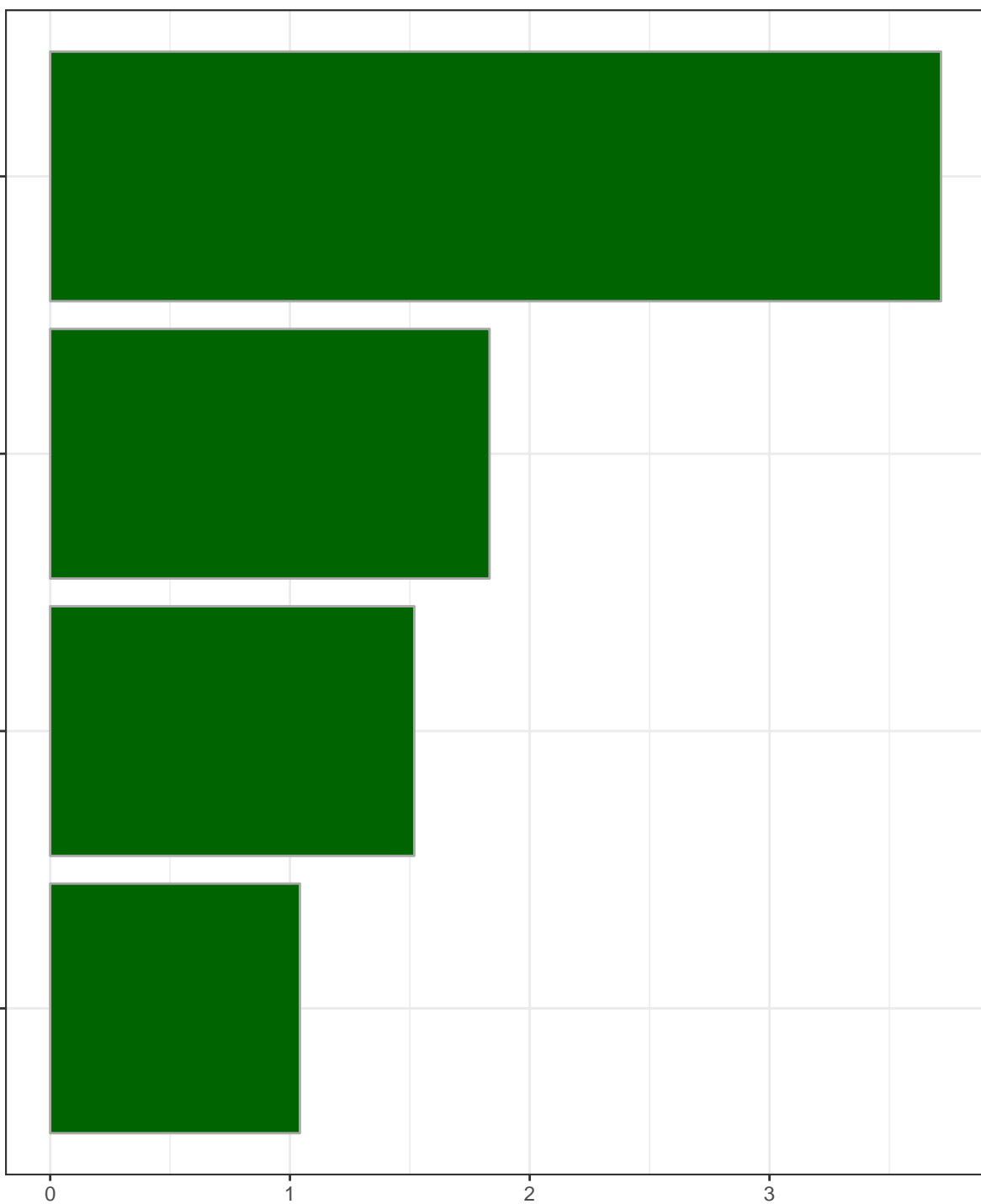
0

1

2

3

log10 counts



La_cotta_bionda

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces ludwigii

Kazachstania martiniae

Saccharomyces mikatae

0

1

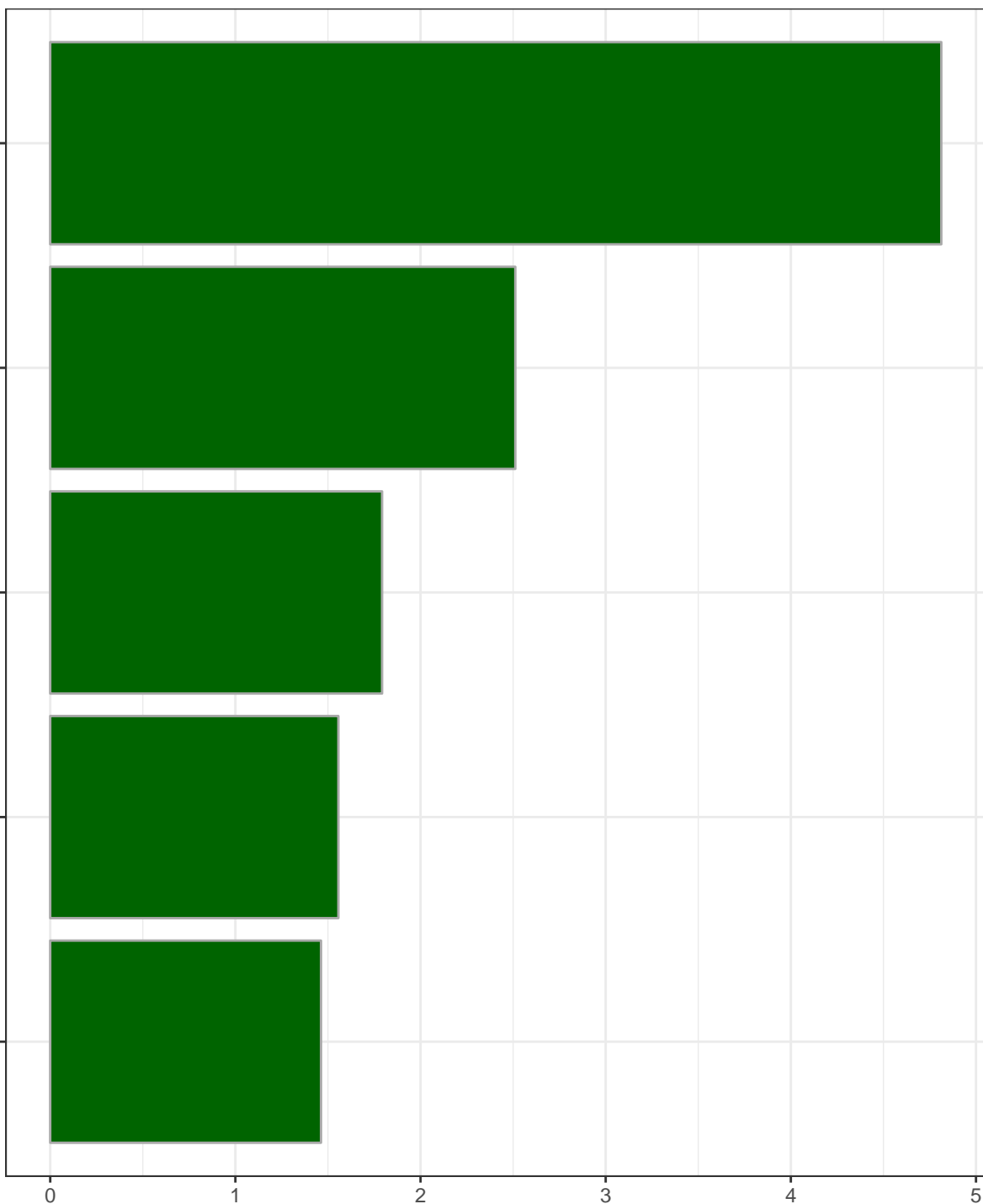
2

3

4

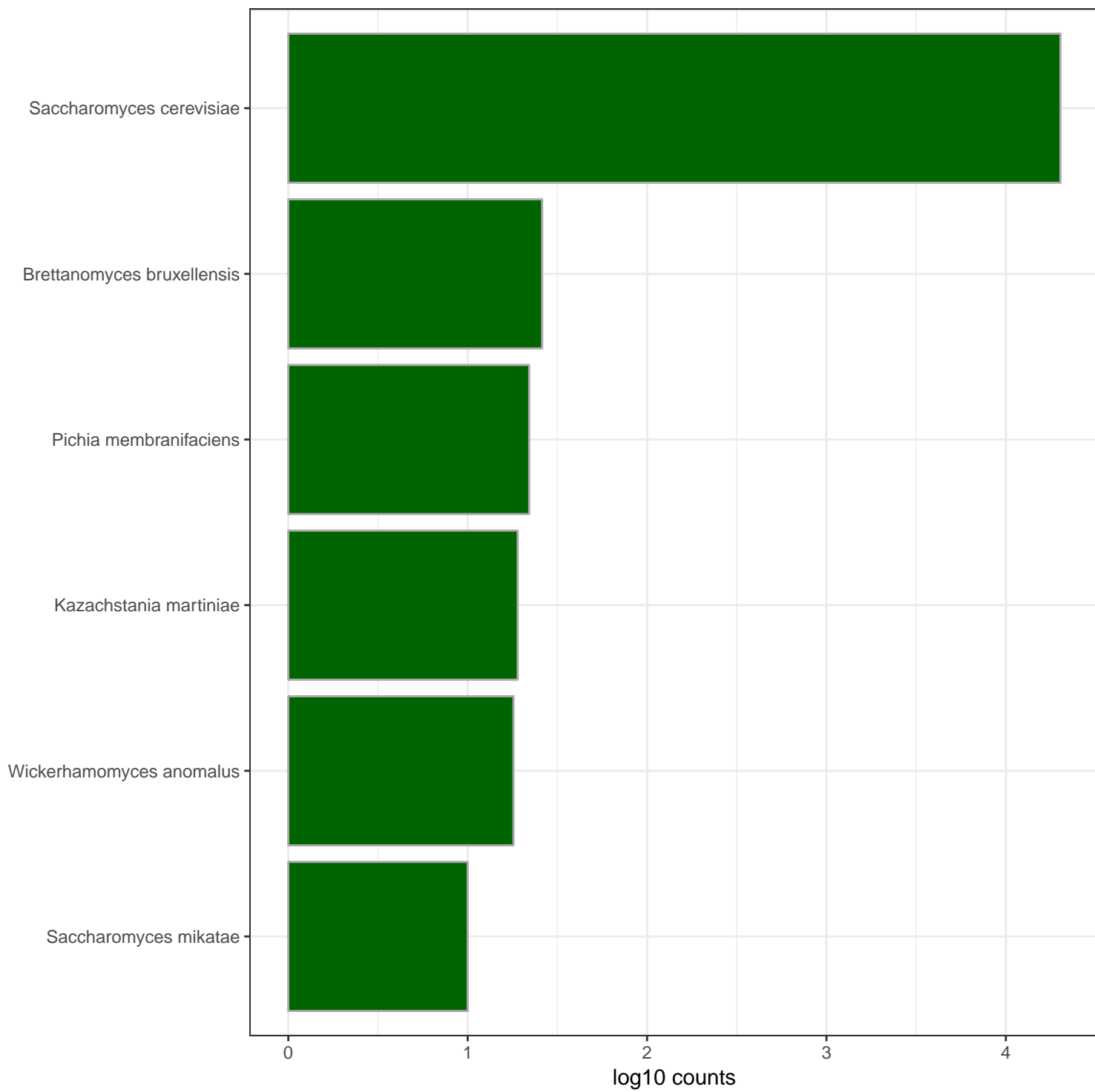
5

log10 counts



La_Monthesysanne

ITS



La_Mule_Browney

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

Pichia membranifaciens

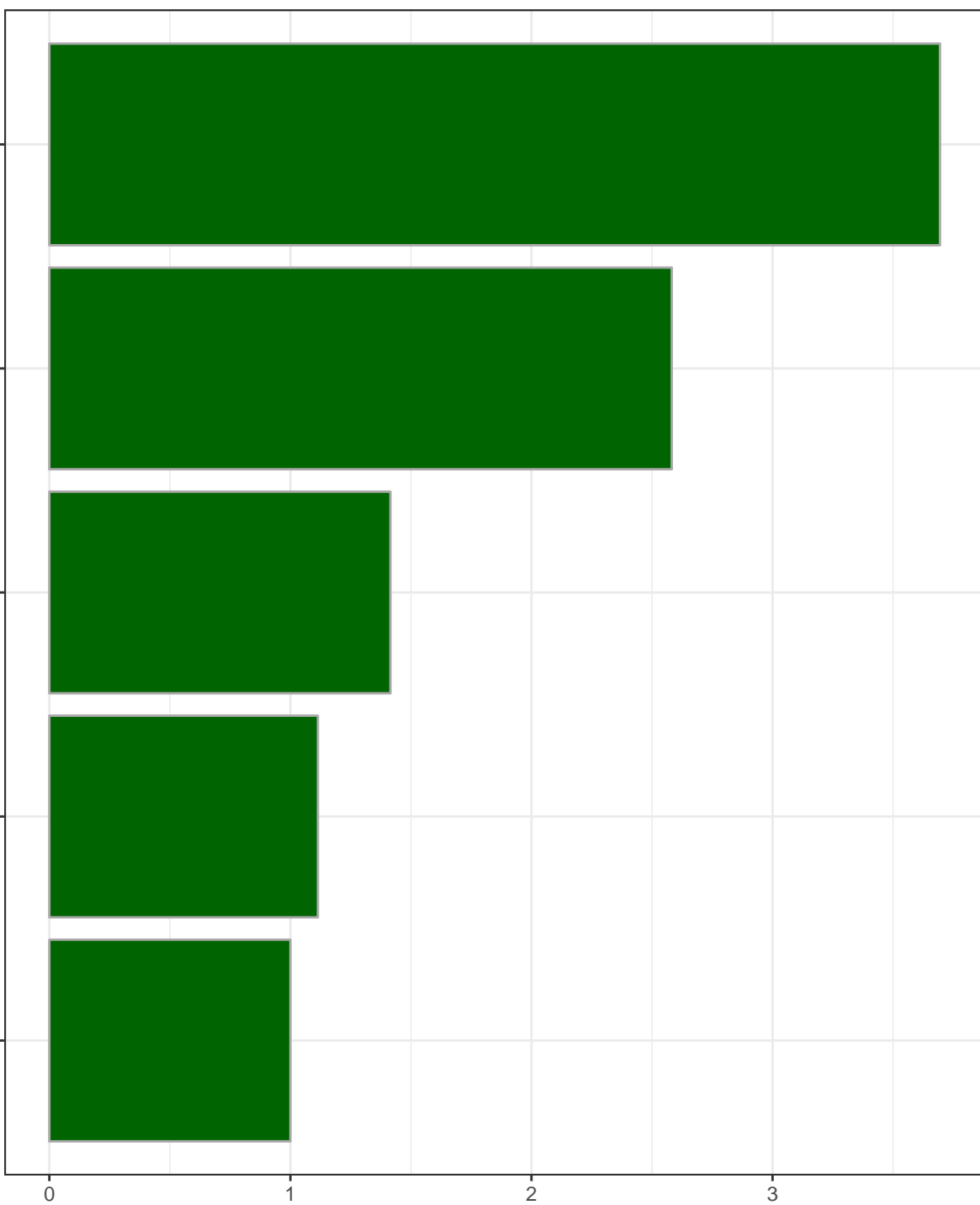
0

1

2

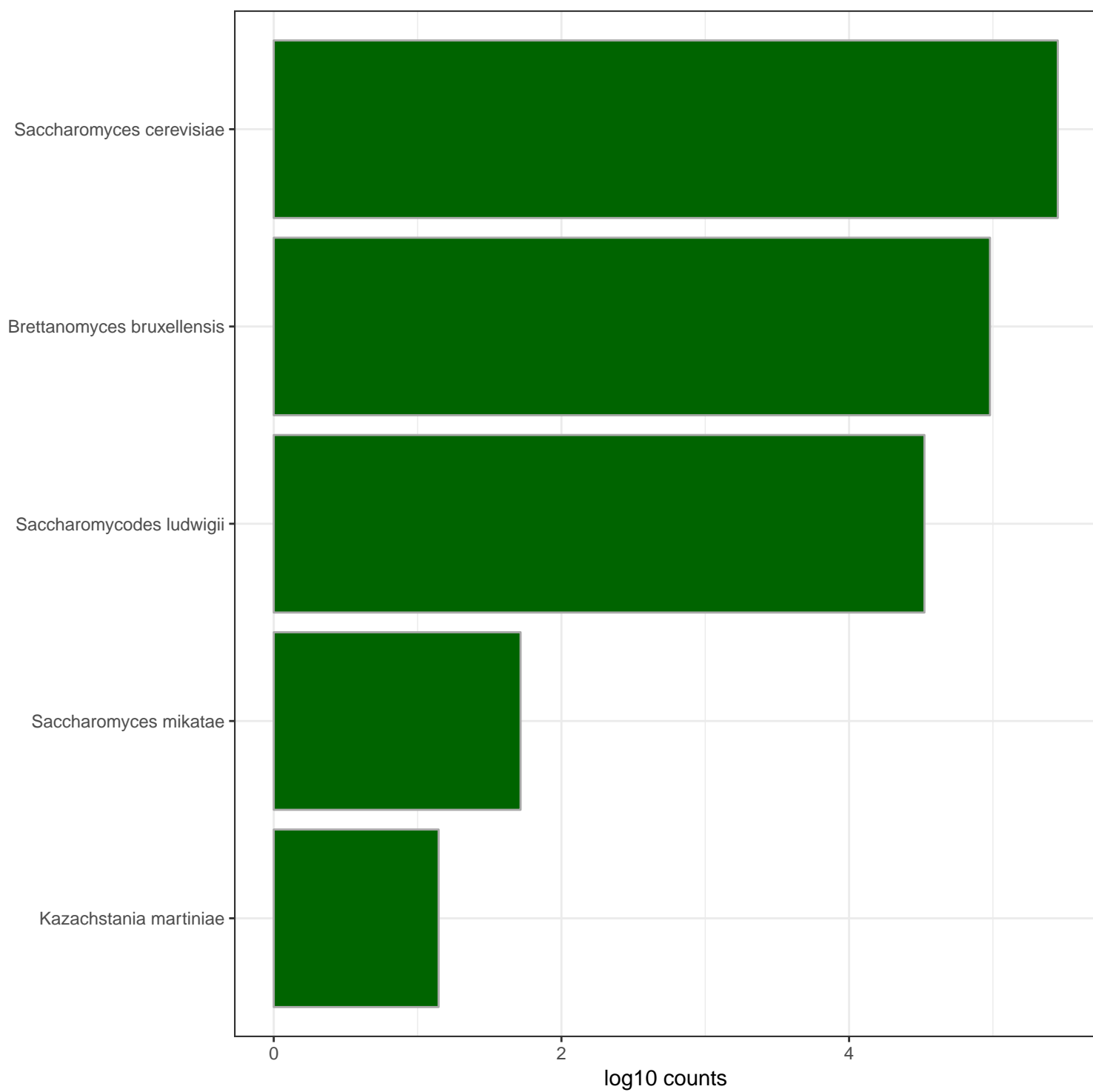
3

log10 counts



La_Nebuleuse_ChichaBeer_experimental

ITS



La_Nebuleuse_Embuscade

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces mikatae

Kazachstania martiniae

0

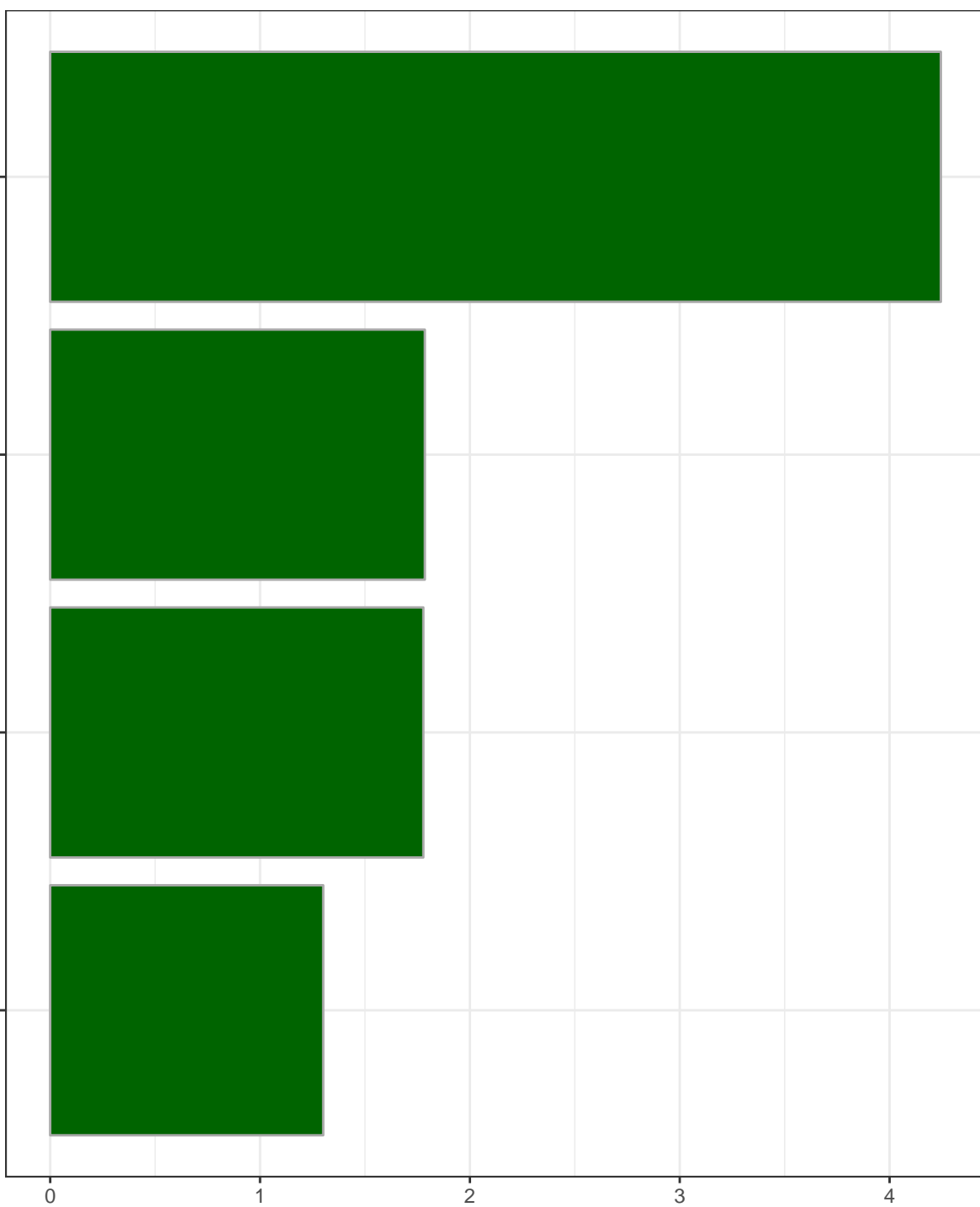
1

2

3

4

log10 counts



La_Nebuleuse_Malt_Capone

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Saccharomyces mikatae

0

1

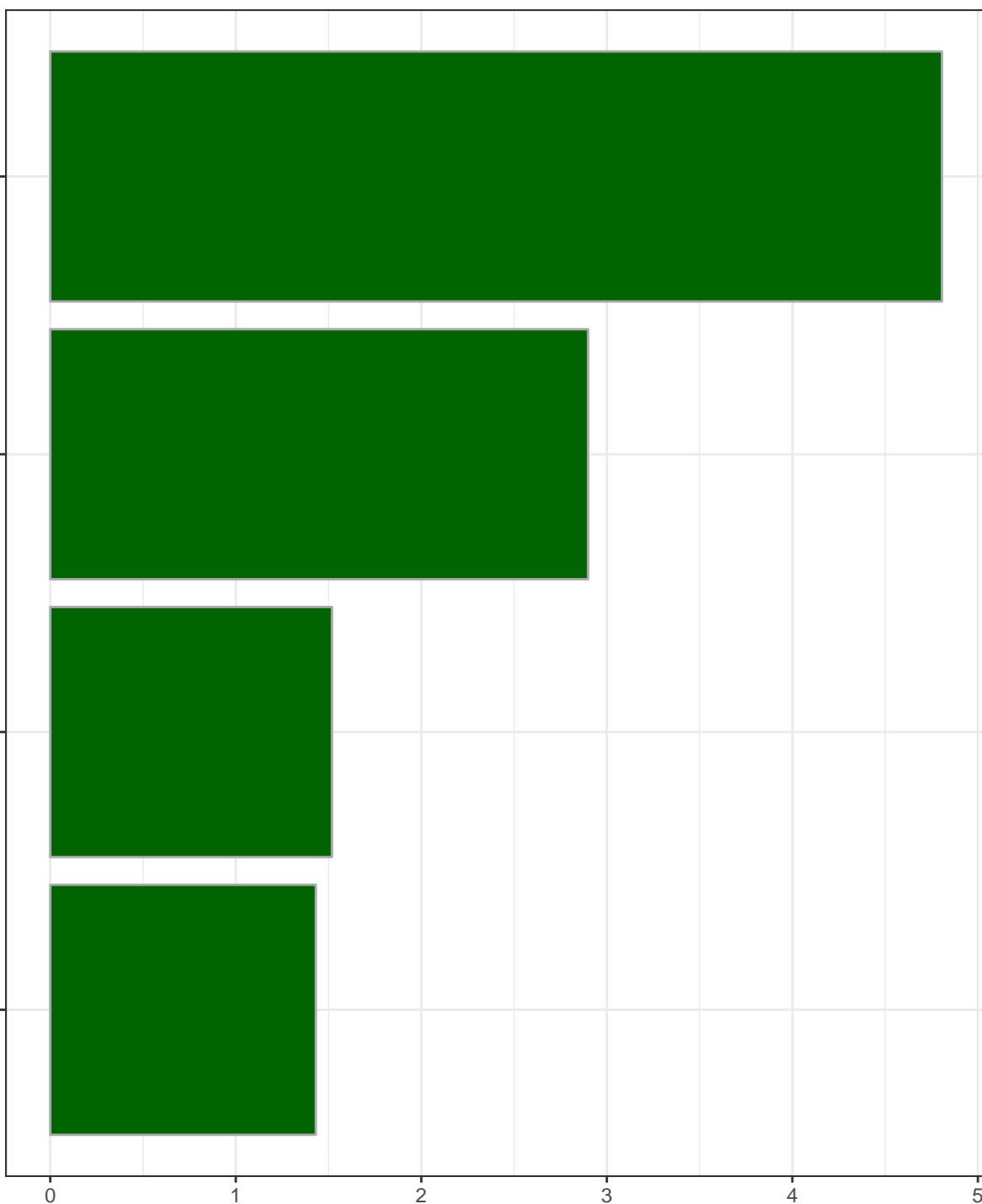
2

3

4

5

log10 counts



La_Nebuleuse_Stirling

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces mikatae

Kazachstania martiniae

Pichia membranifaciens

0

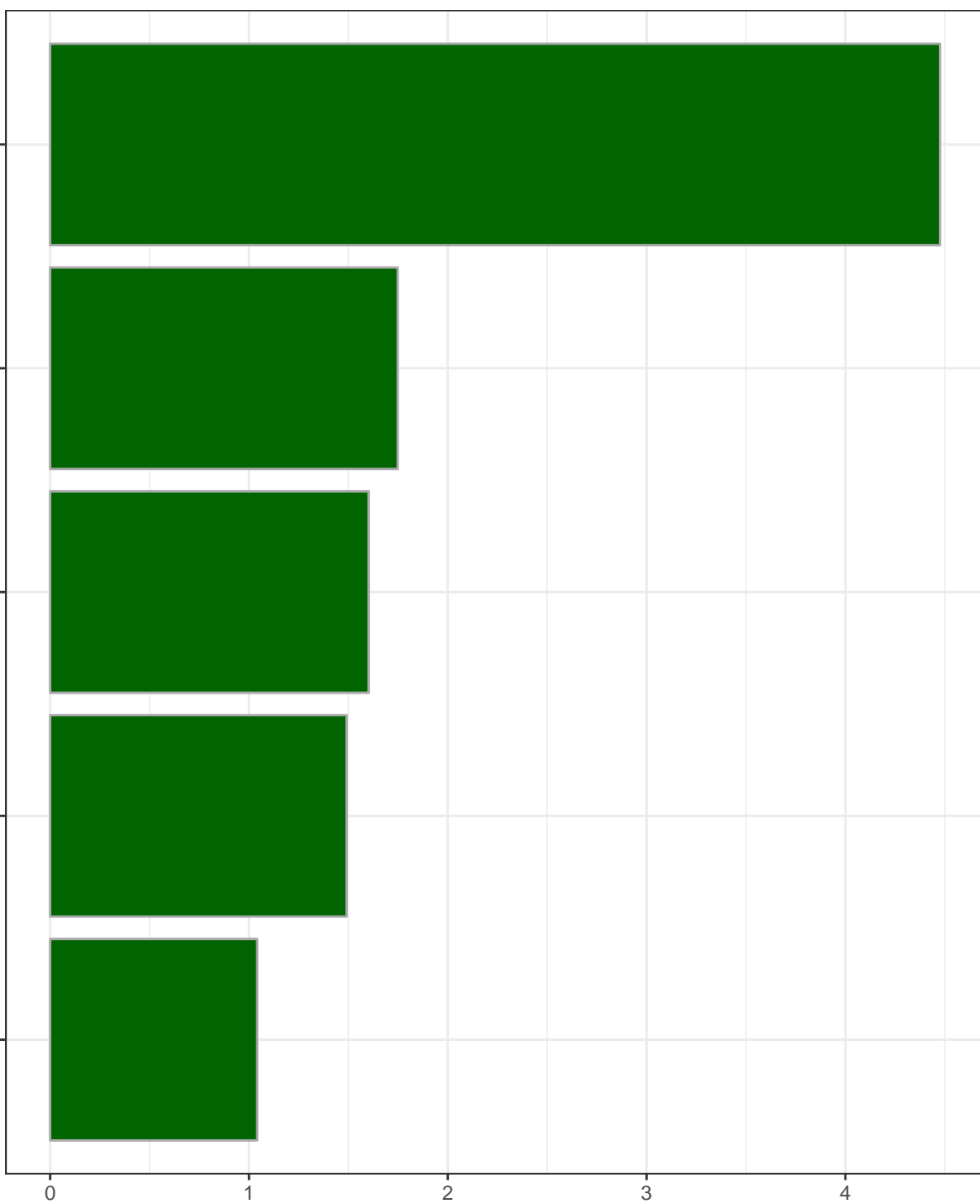
1

2

3

4

log10 counts



La_Salamandre

ITS

Saccharomyces cerevisiae

Pichia membranifaciens

Brettanomyces bruxellensis

Saccharomyces mikatae

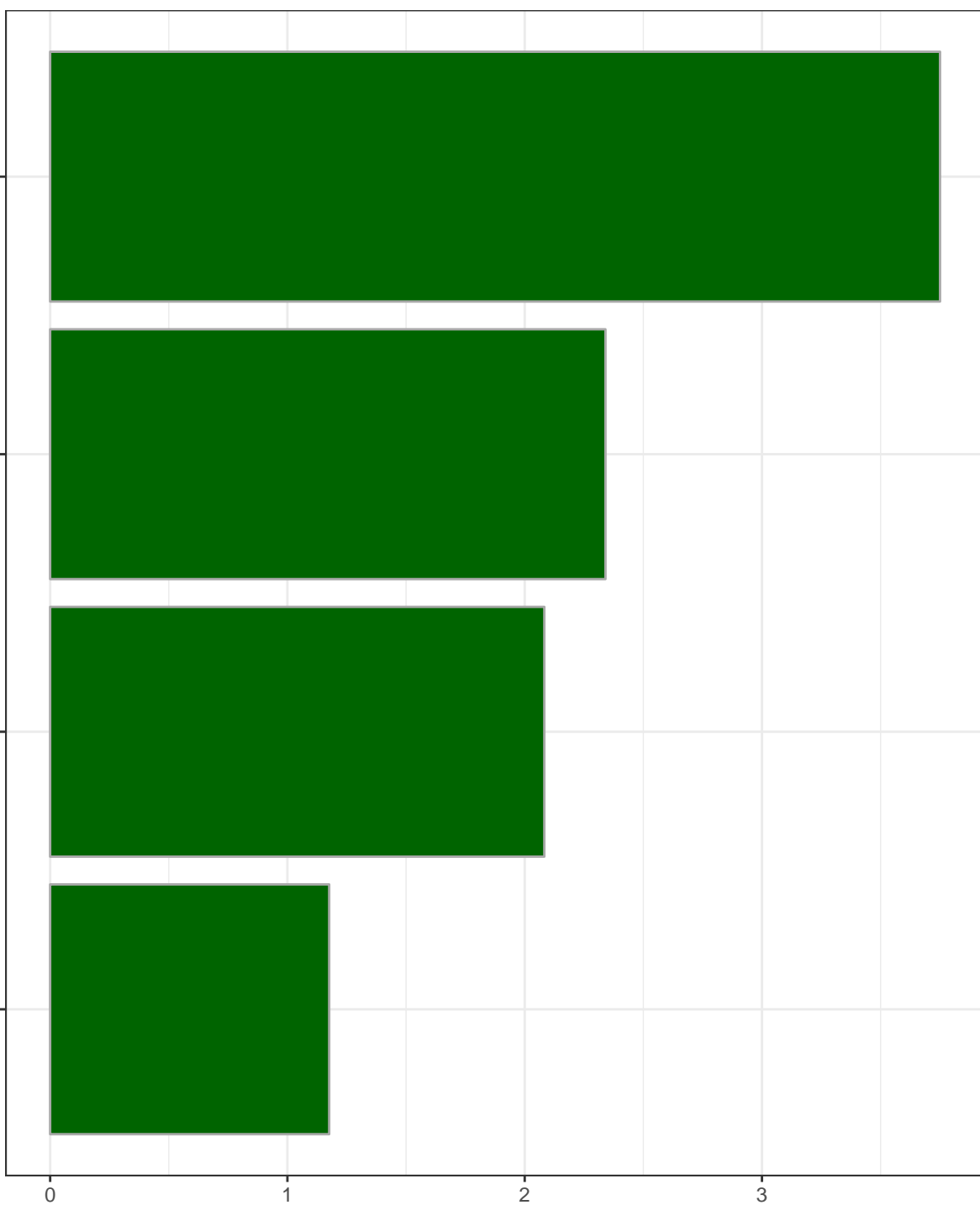
0

1

2

3

log10 counts



Les_Muraille_Pieuse

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces ludwigii

Saccharomyces mikatae

Kazachstania martiniae

0

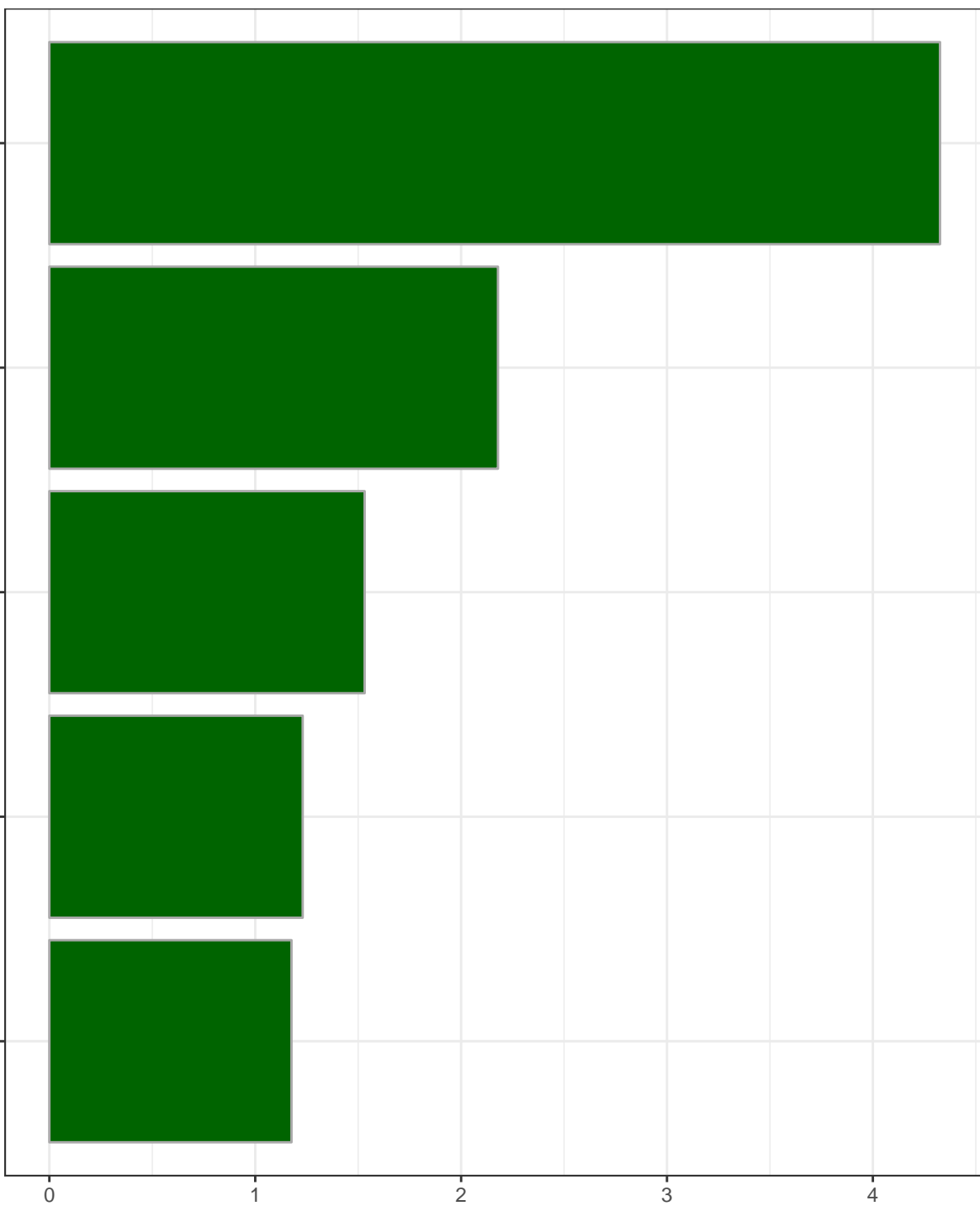
1

2

3

4

log10 counts



Mateo_21

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Kazachstania martiniae

Pichia kudriavzevii

Saccharomyces mikatae

0

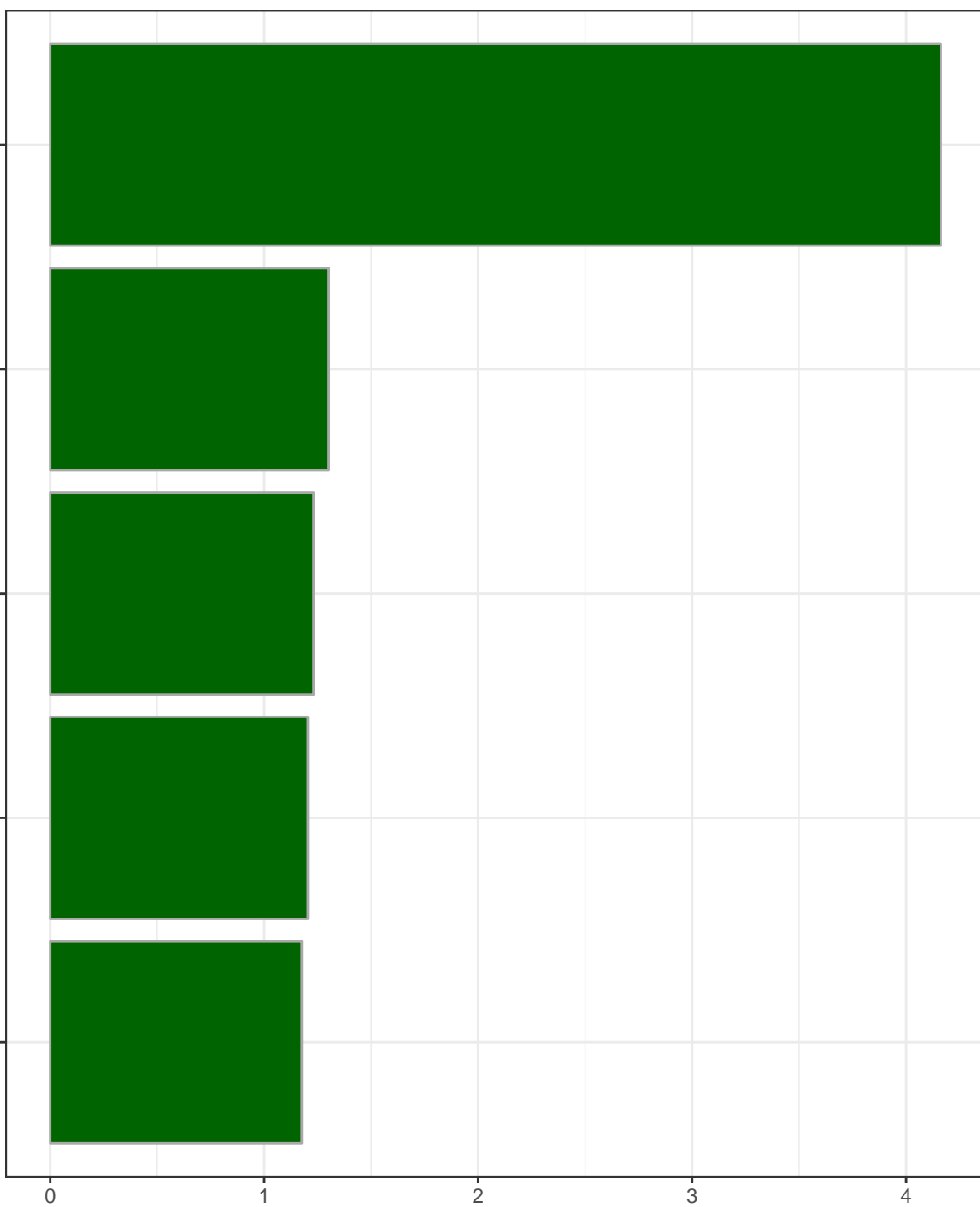
1

2

3

4

log10 counts



Orval

ITS

Brettanomyces bruxellensis

Saccharomyces cerevisiae

Saccharomyces kudriavzevii

Saccharomyces mikatae

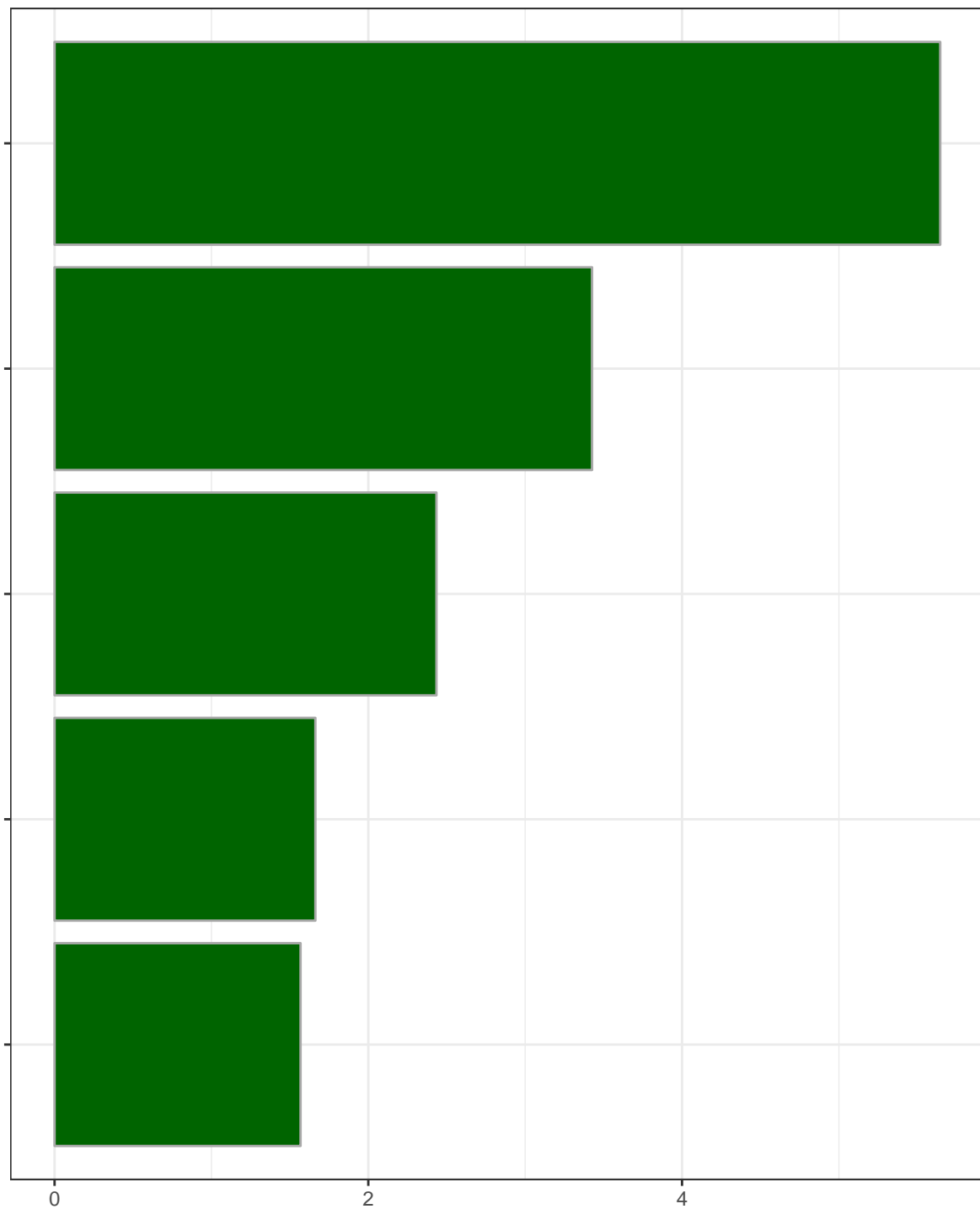
Saccharomycodes ludwigii

0

2

4

log10 counts



Trois_Dames

ITS

Saccharomyces cerevisiae

Brettanomyces bruxellensis

Saccharomyces mikatae

Kazachstania martiniae

Pichia membranifaciens

Saccharomycodes ludwigii

0

1

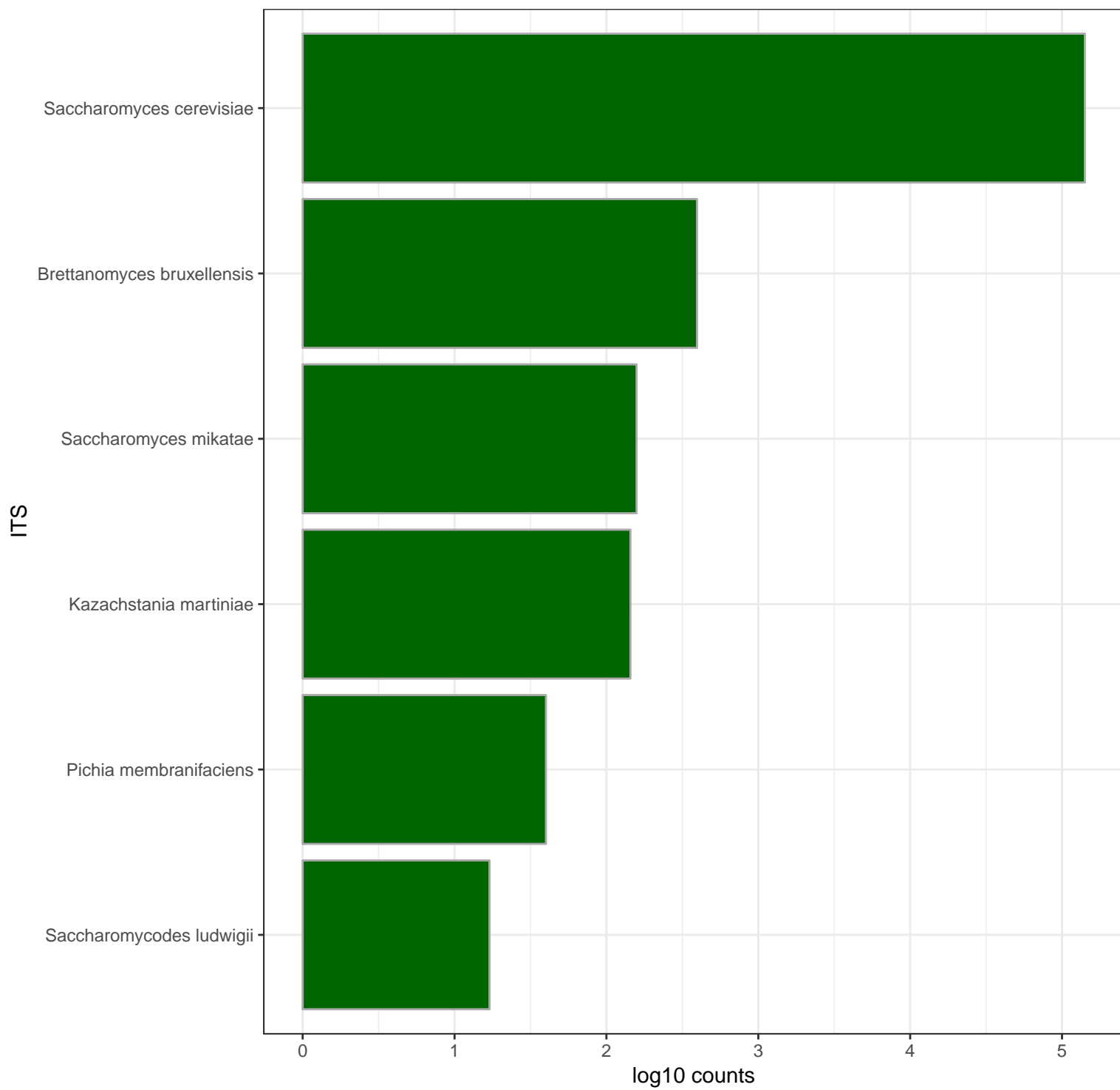
2

3

4

5

log10 counts



Valaisanne_Amrich

ITS

Saccharomyces cerevisiae

Pichia membranifaciens

Candida solani

Saccharomyces mikatae

Kazachstania martiniae

Brettanomyces bruxellensis

0

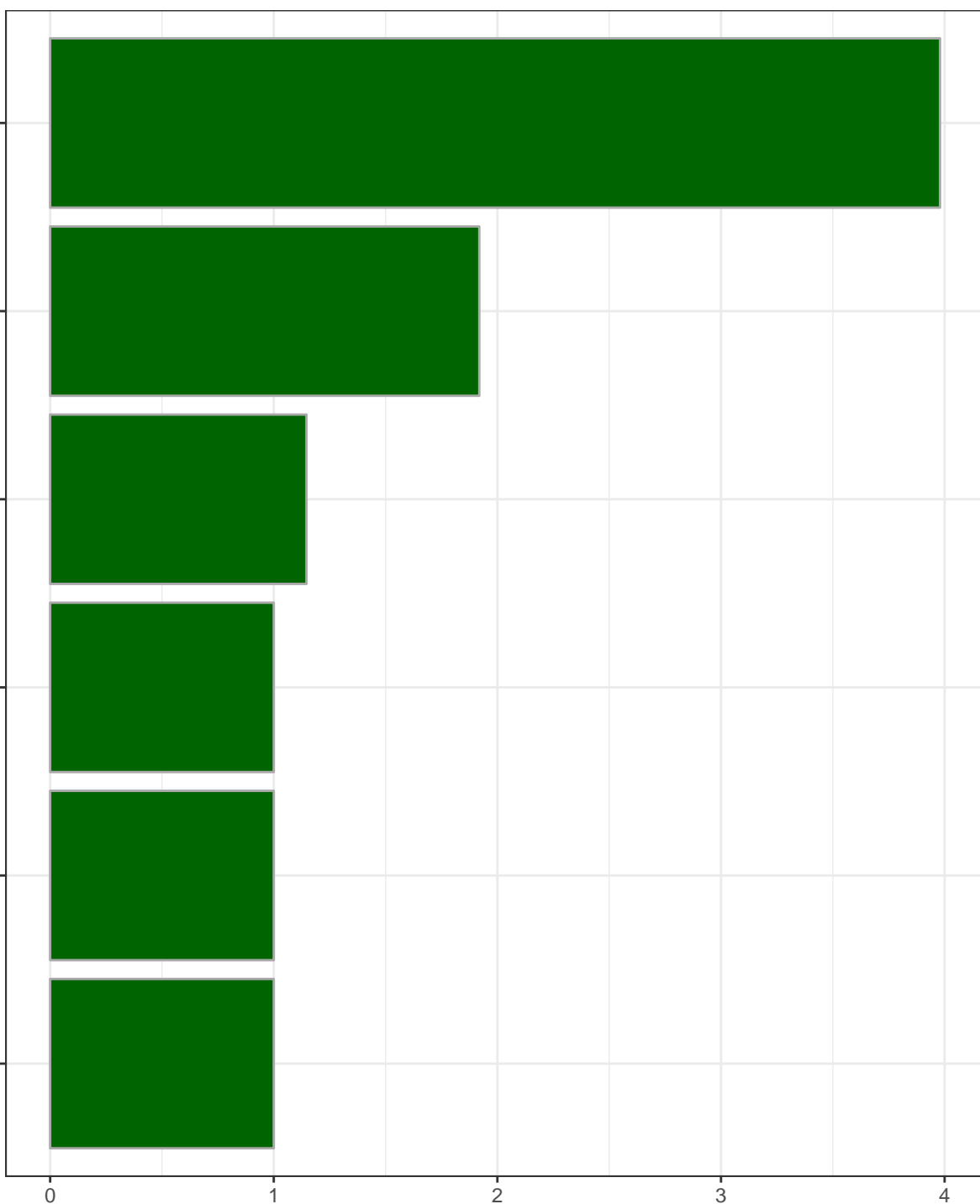
1

2

3

4

log10 counts



Waldbier_2014_Wienerwald

