

SA505245

count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413814

count

6
4
2
0

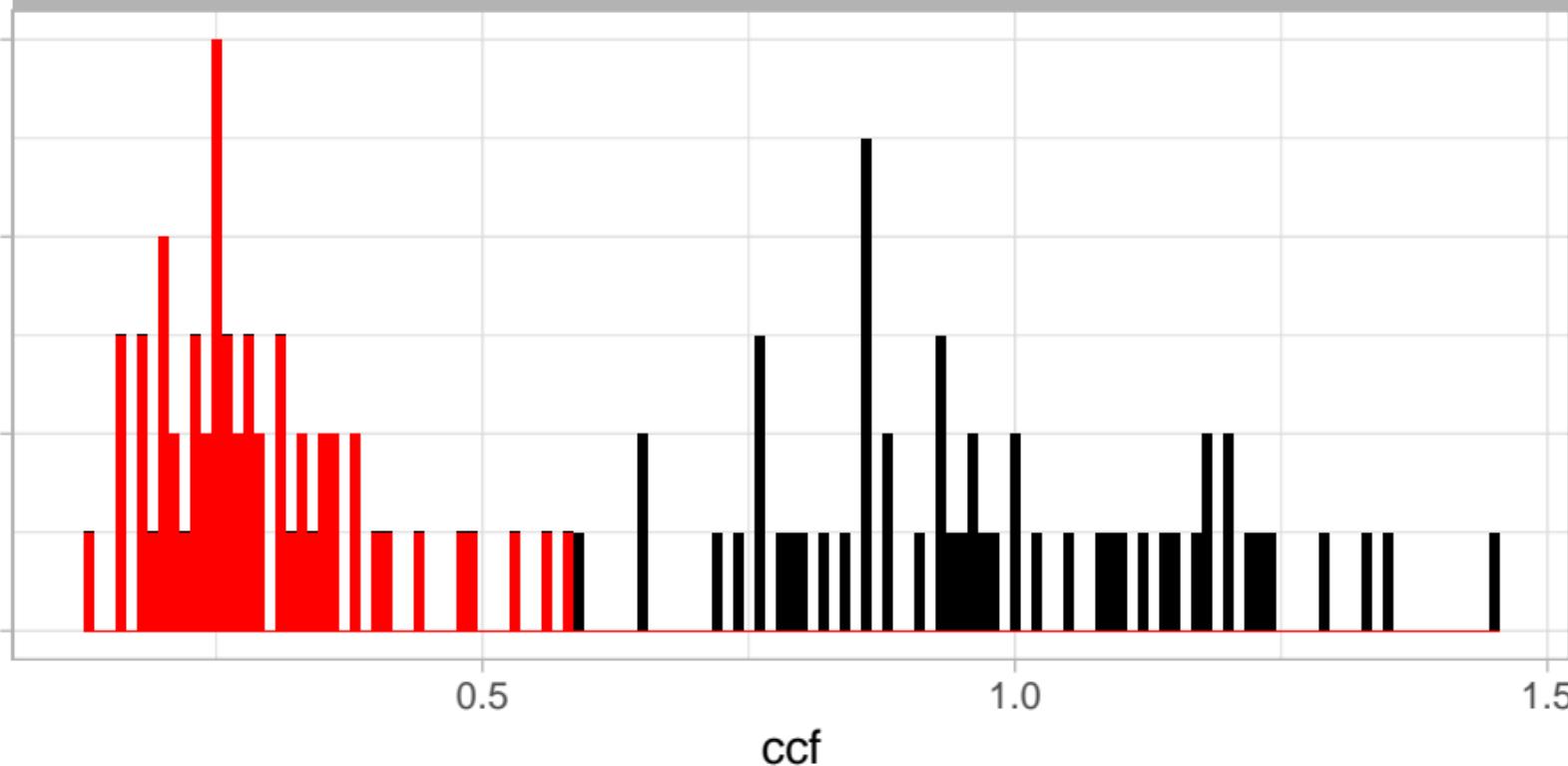
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA501385

count

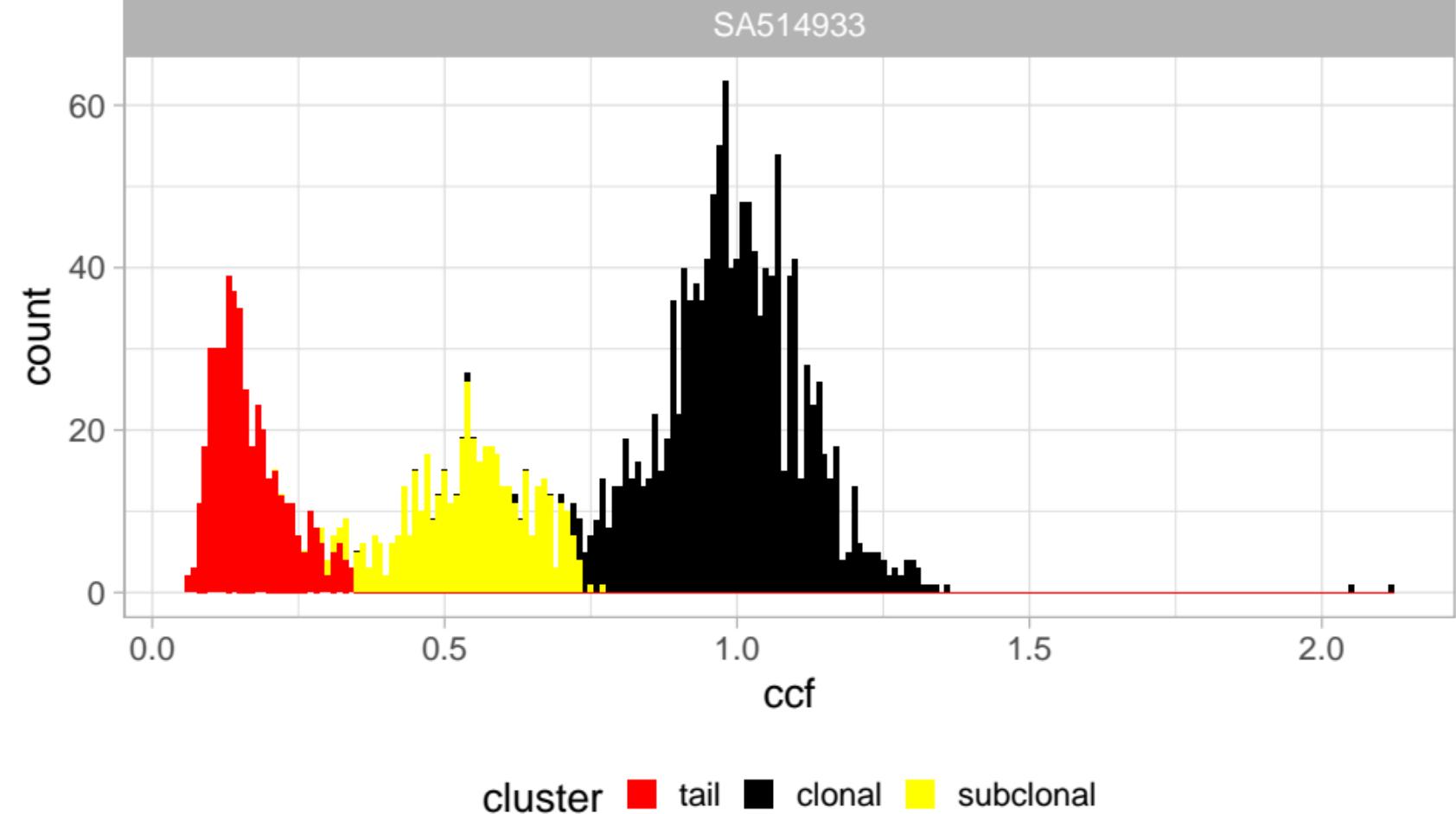
500
400
300
200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA514933



SA507246

count

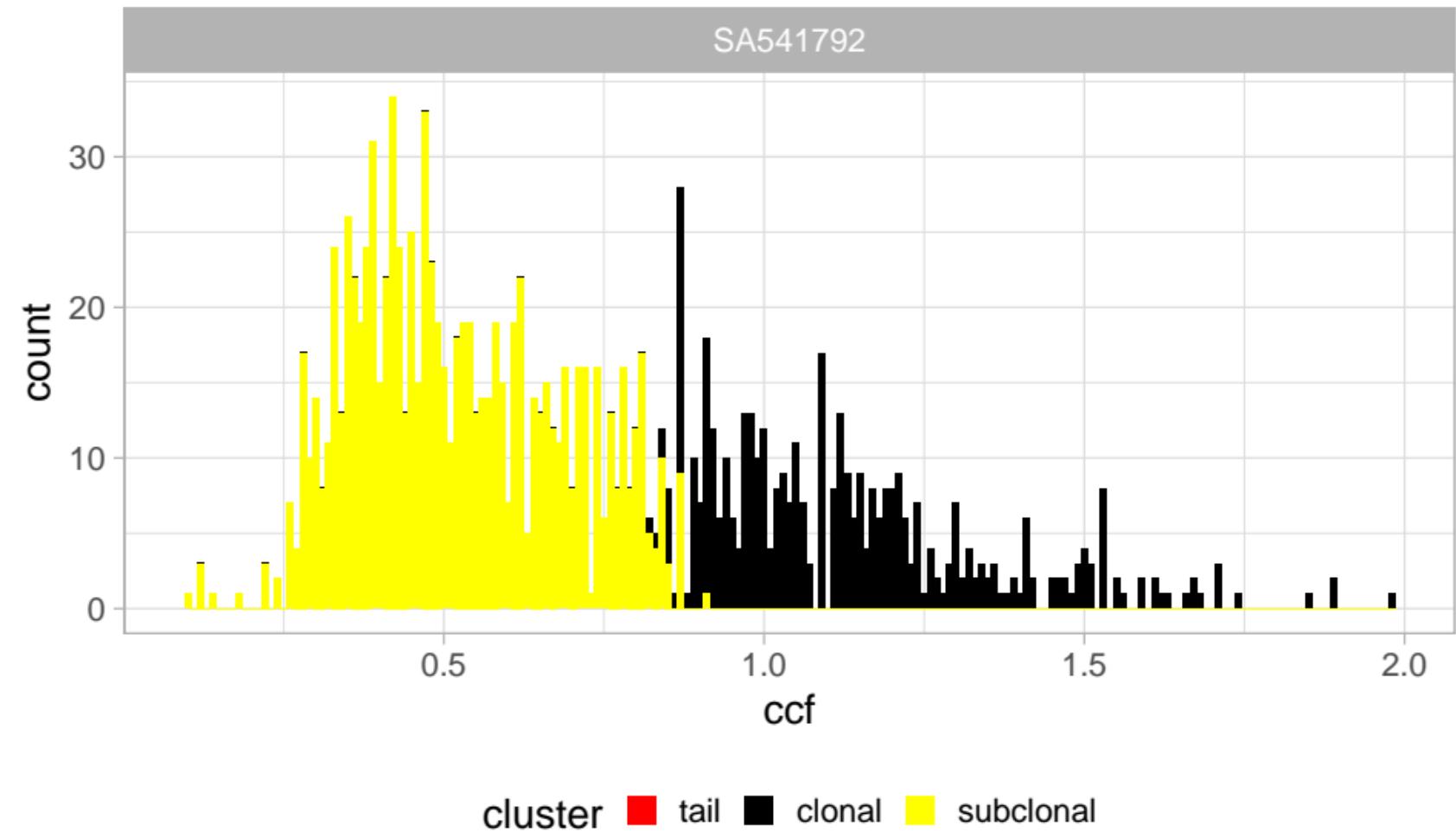
125
100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

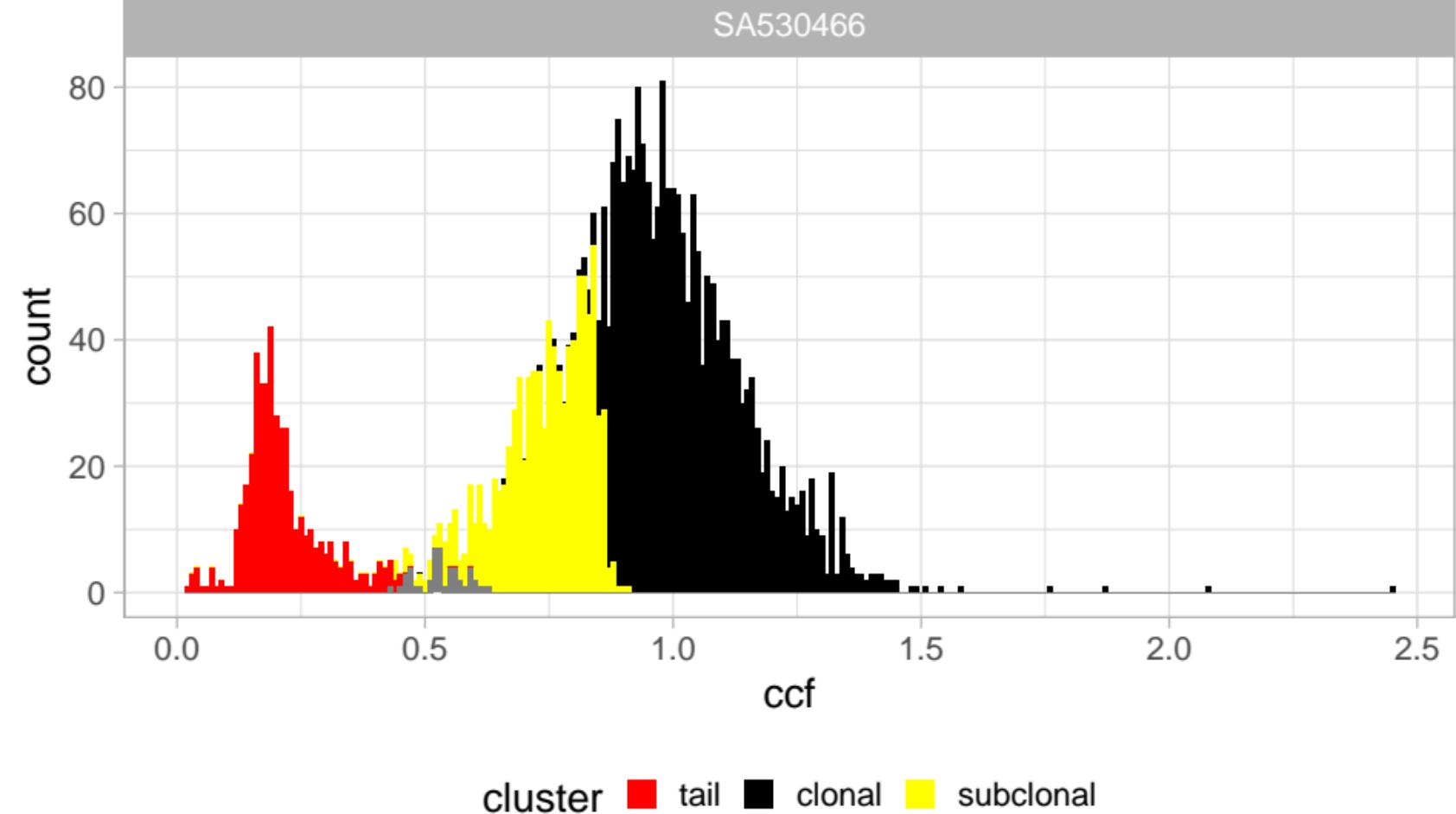
ccf

cluster tail clonal subclonal

SA541792



SA530466



SA530450

count

40
30
20
10
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA320998

count

200

100

0

0.0

0.5

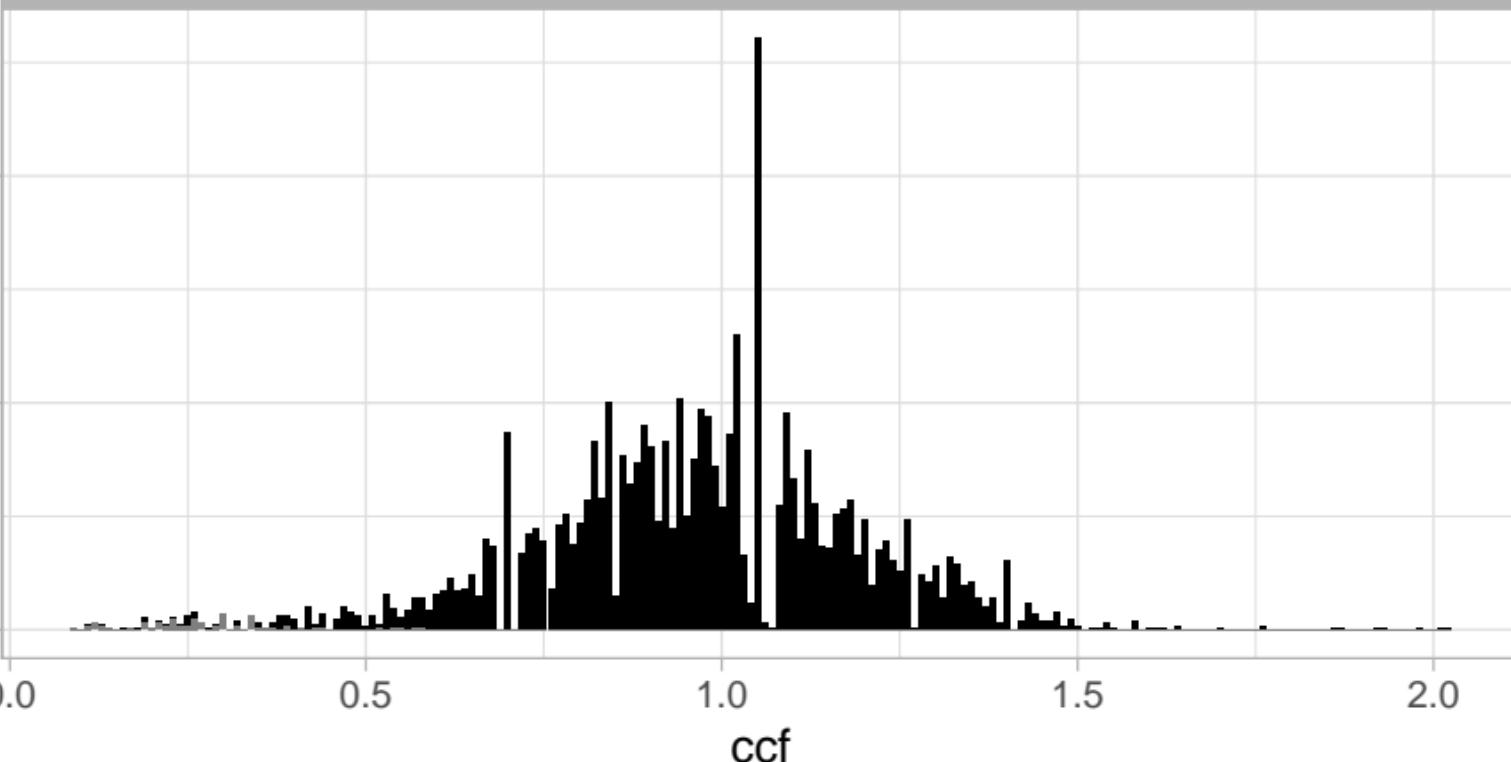
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA515302

count

400
200
0

0 2 3

ccf

cluster tail clonal subclonal

SA507225

count

200

150

100

50

0

0.0

0.5

1.0

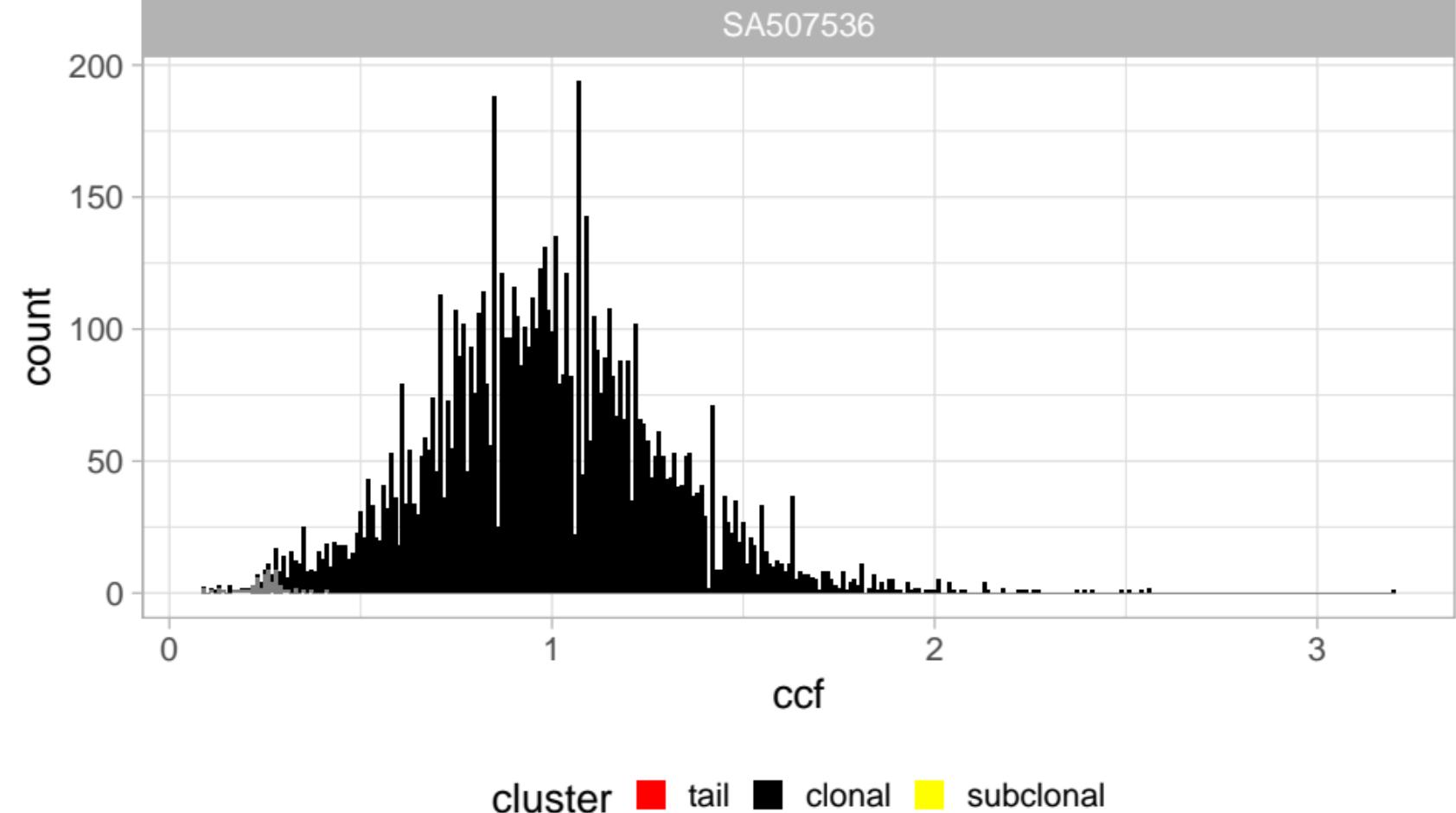
1.5

2.0

ccf

cluster tail clonal subclonal

SA507536



SA533726

count

400
200
0

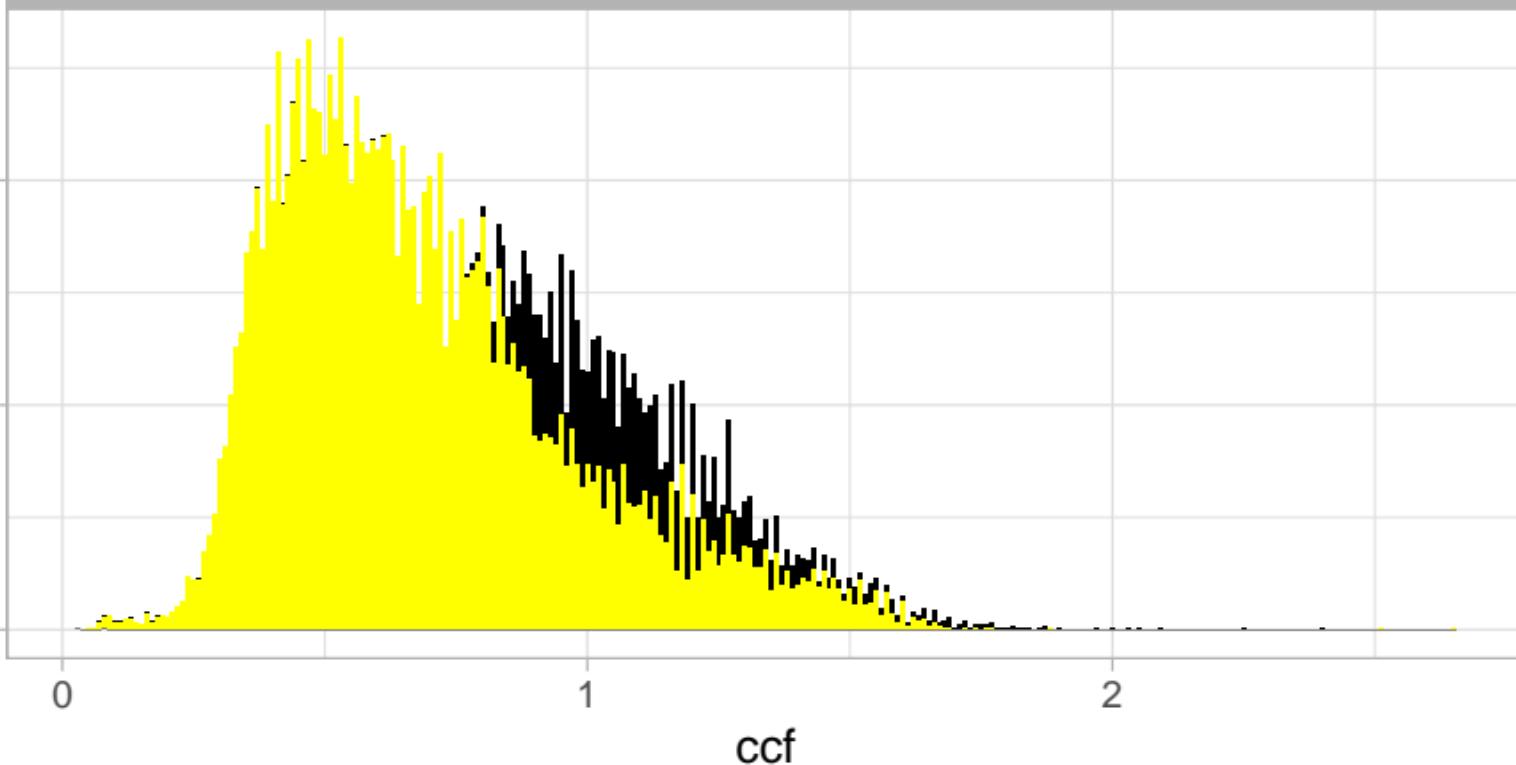
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA506713

count

100

50

0

0.0

0.5

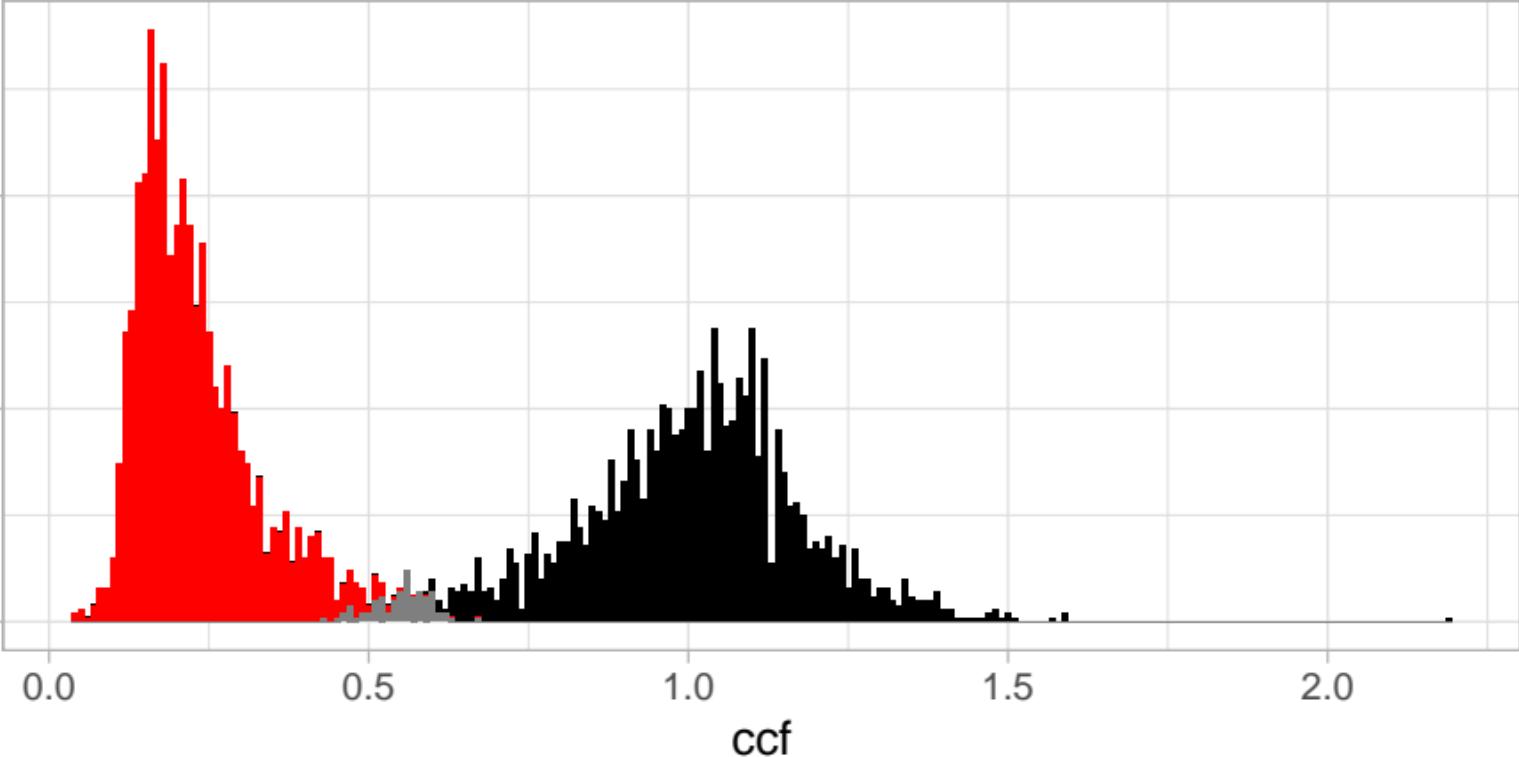
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA515305

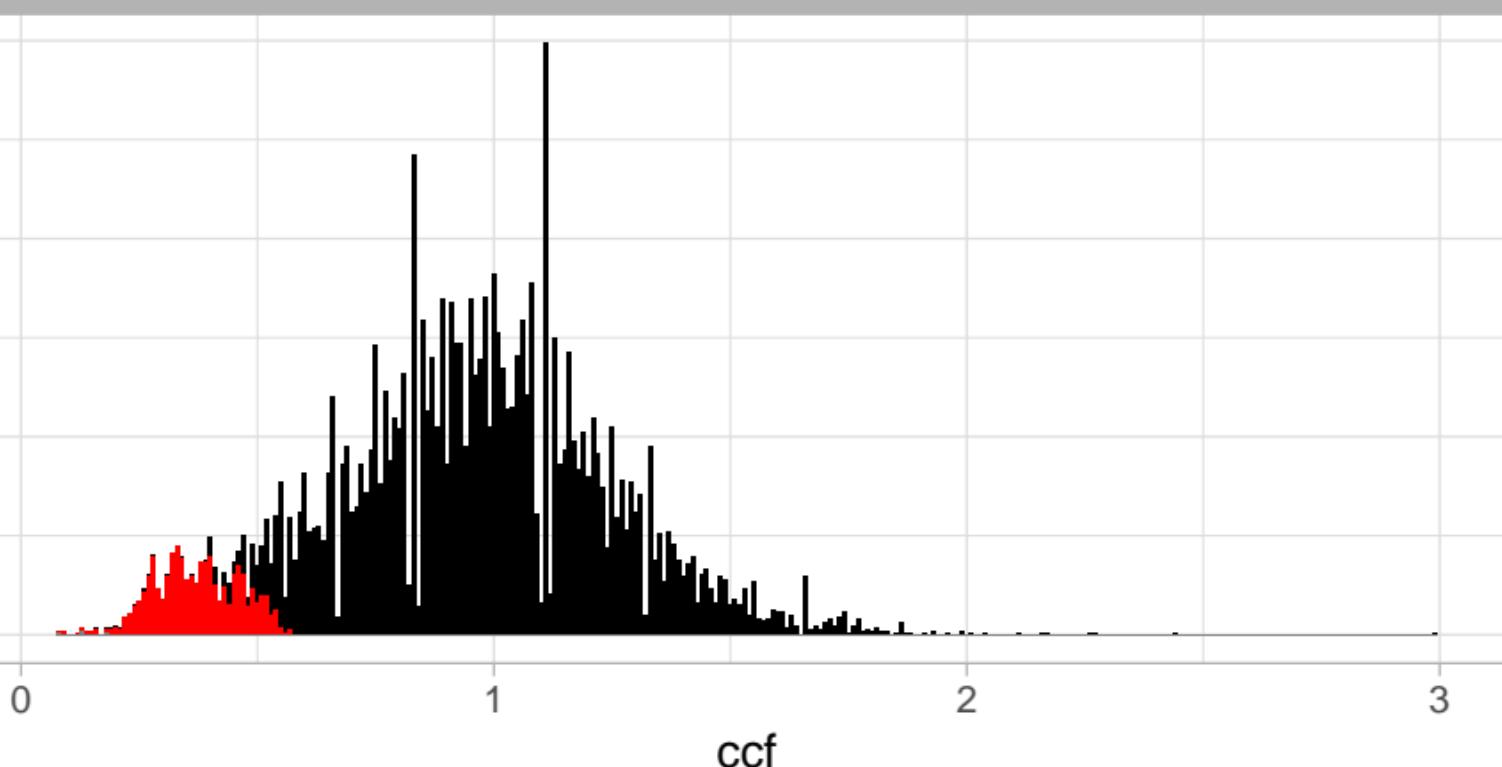
count

300
200
100
0

0 1 2 3

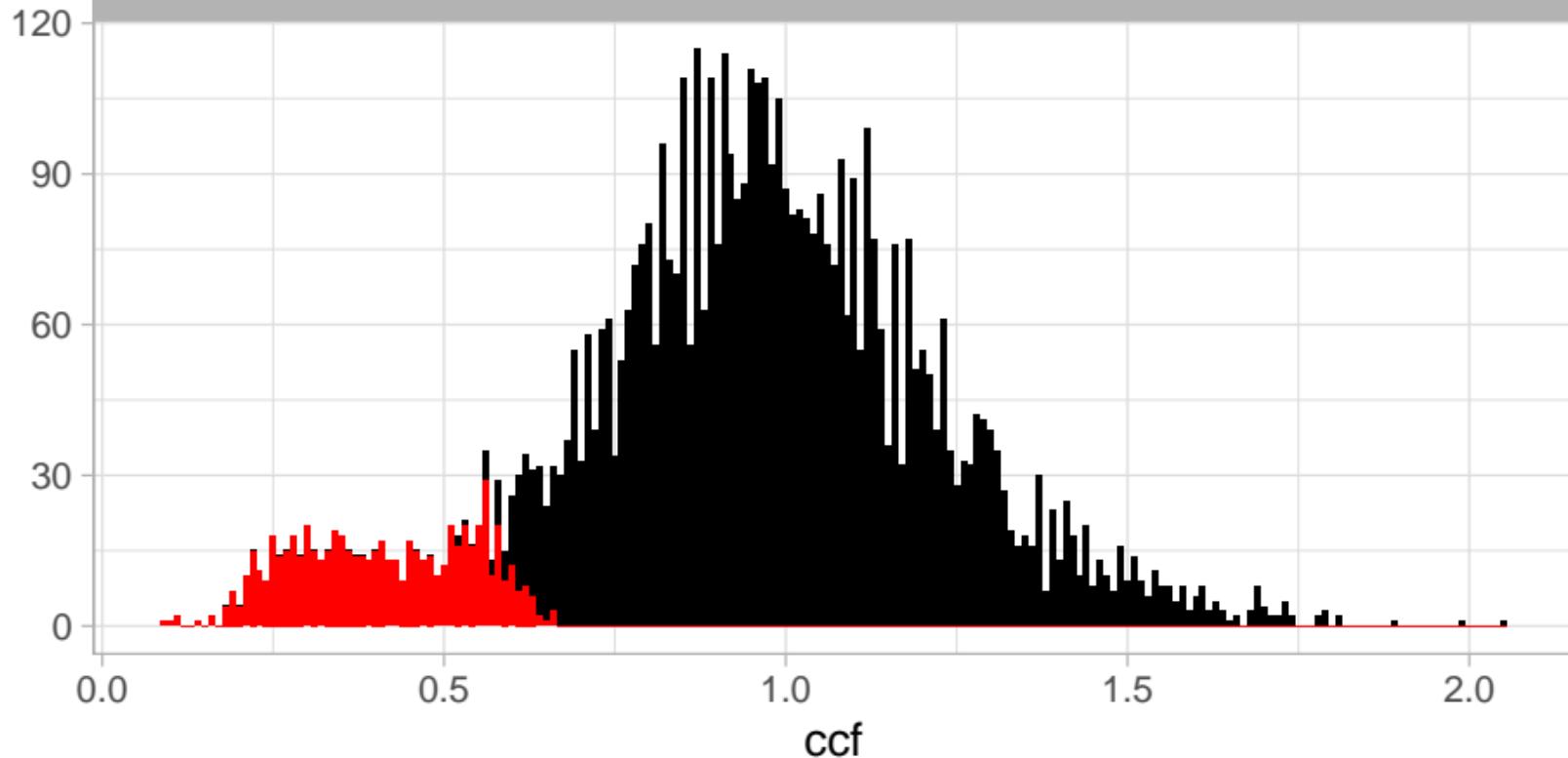
ccf

cluster ■ tail ■ clonal ■ subclonal



SA505781

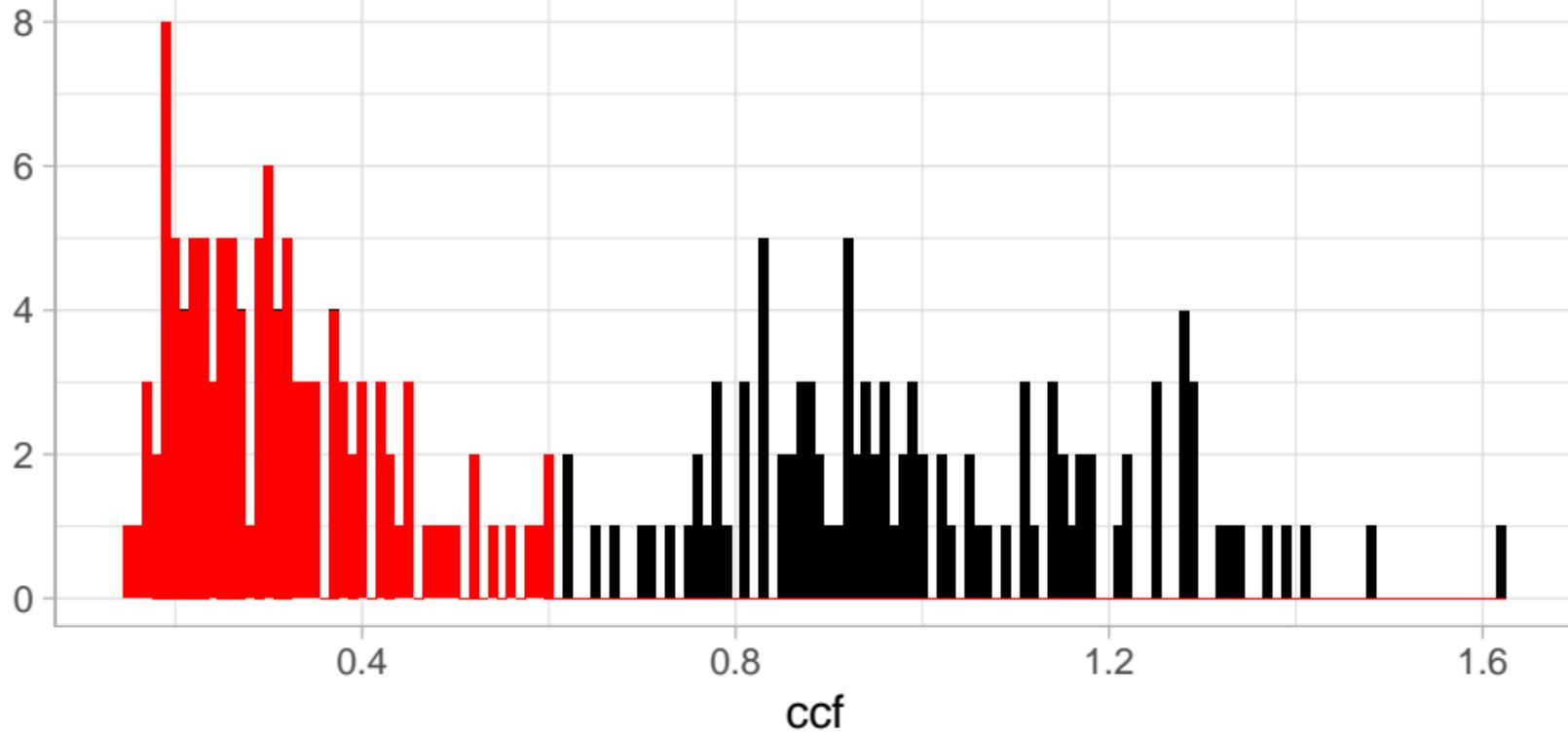
count



cluster ■ tail ■ clonal ■ subclonal

SA413642

count



cluster ■ tail ■ clonal ■ subclonal

SA413594

count

8
6
4
2
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA412935

count

60
40
20
0

0 1 2 3 4

ccf

cluster tail clonal subclonal

SA410925

count

100

75

50

25

0

0.0

0.5

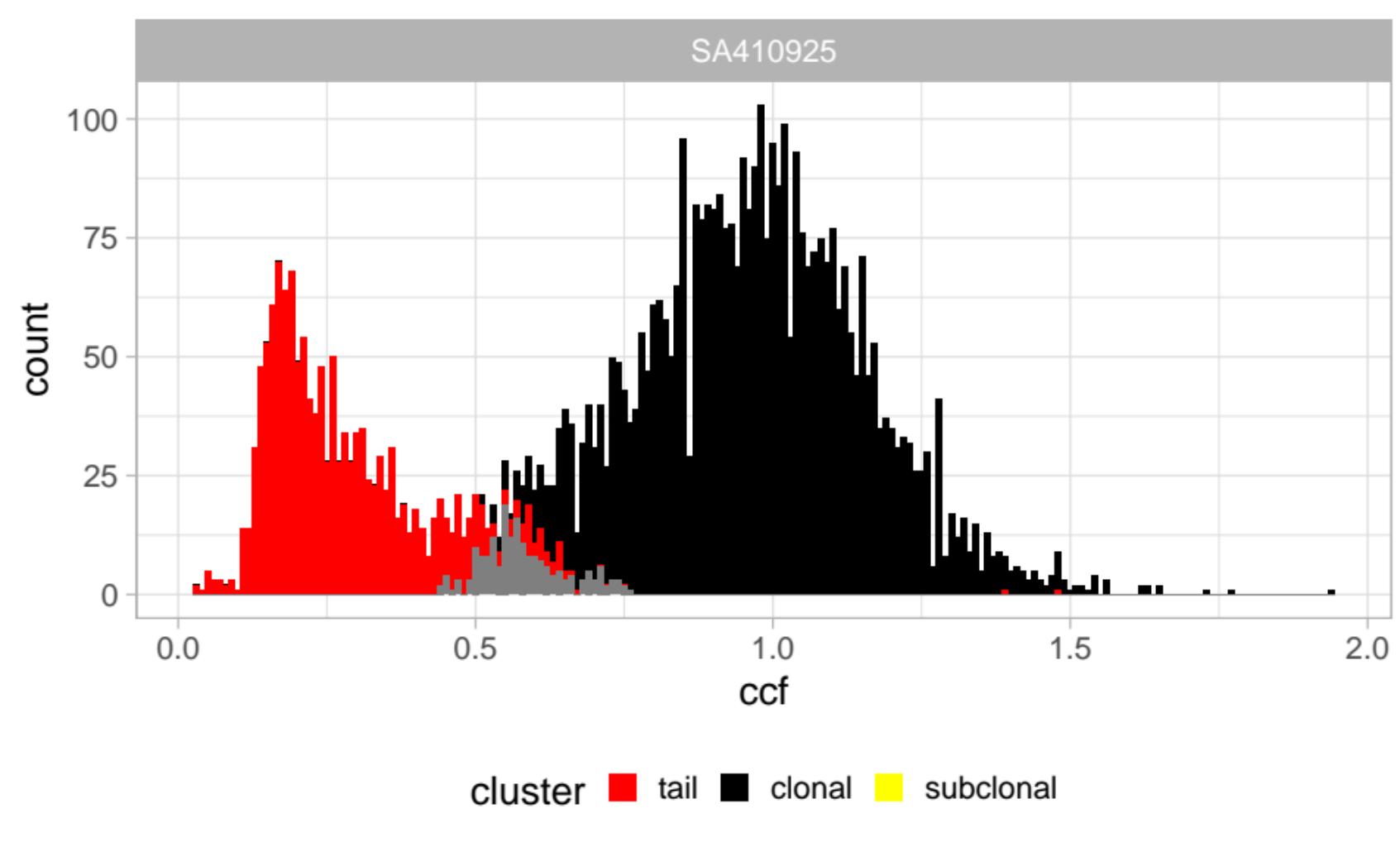
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501545

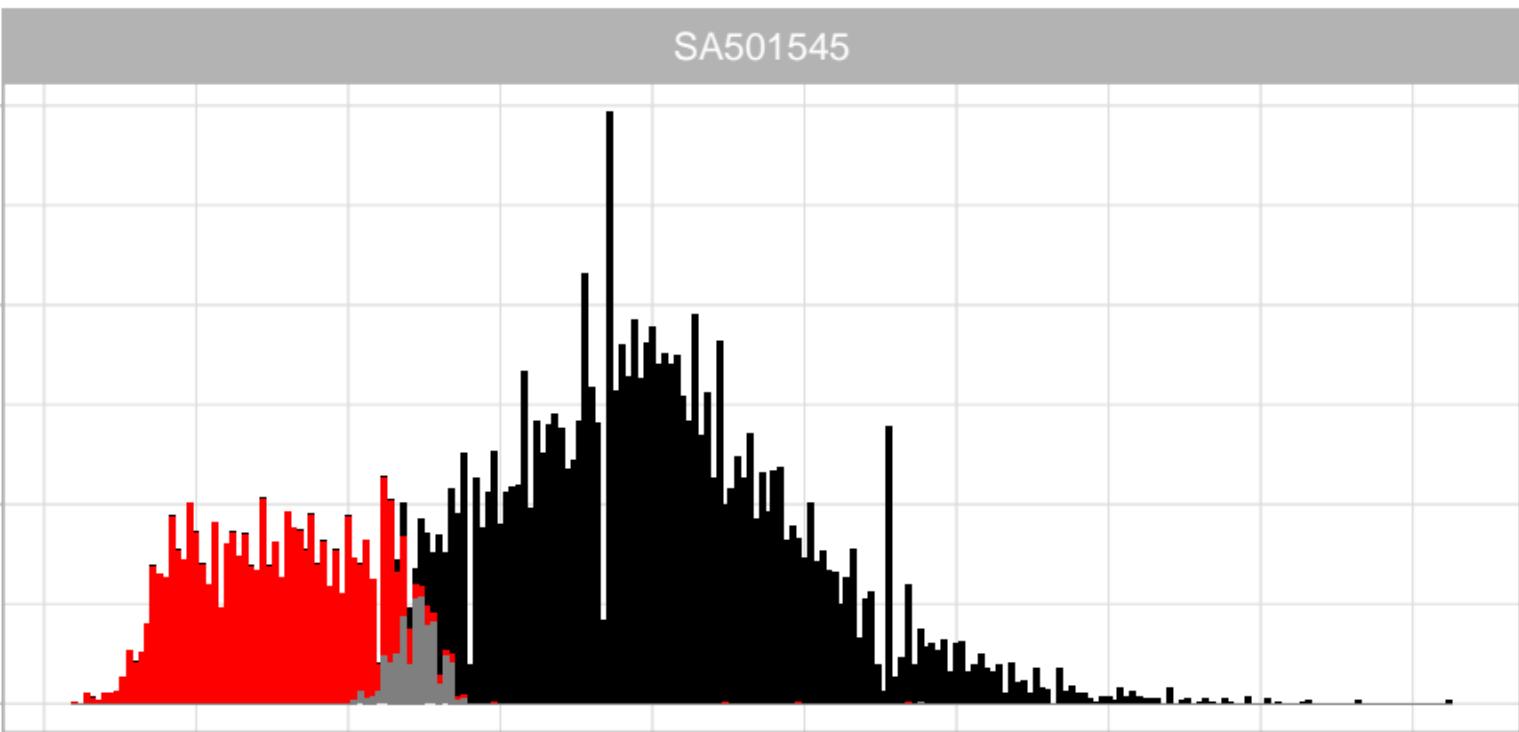
count

300
200
100
0

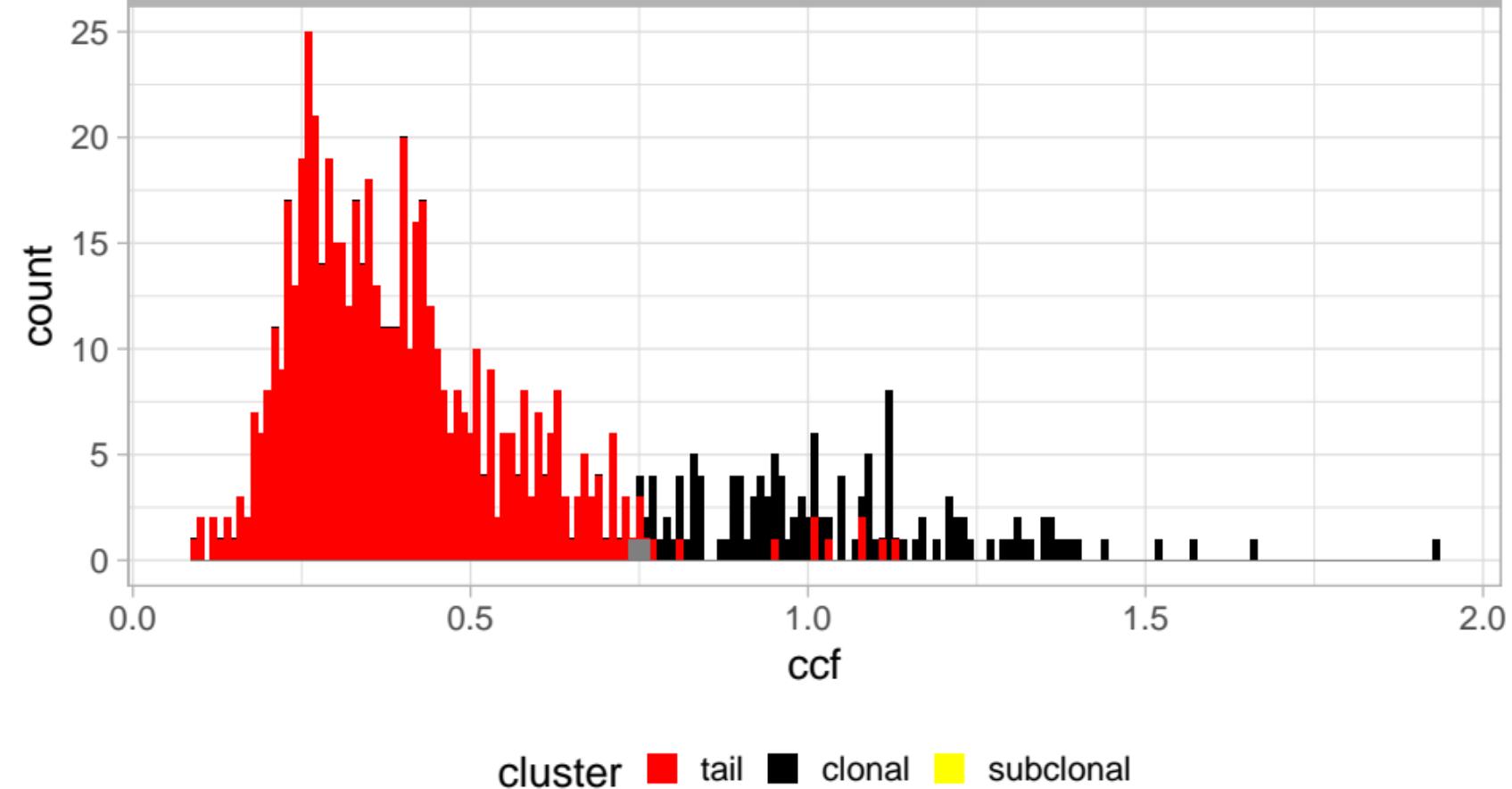
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413898



SA506701

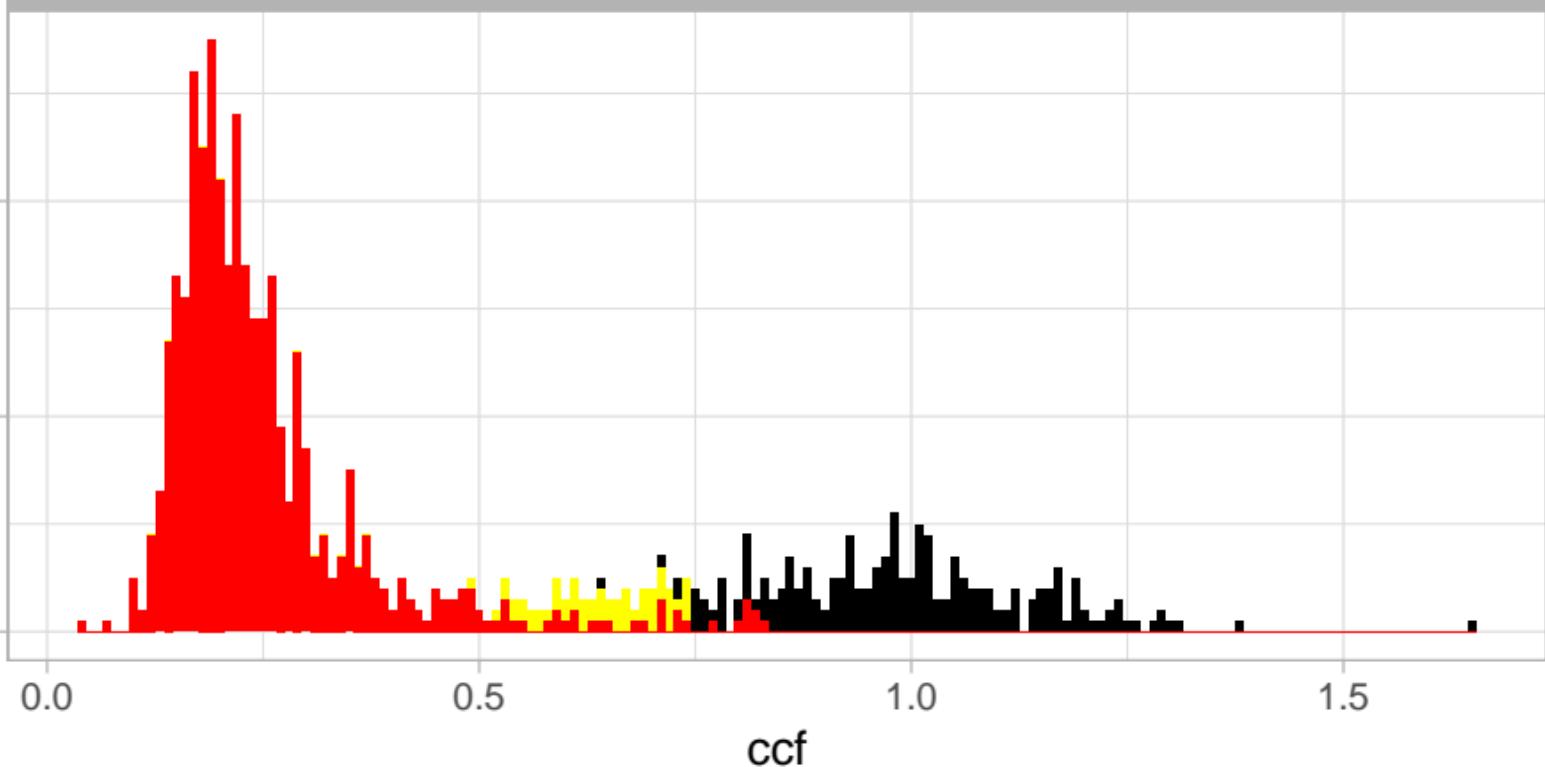
count

40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA321057

count

200
150
100
50
0

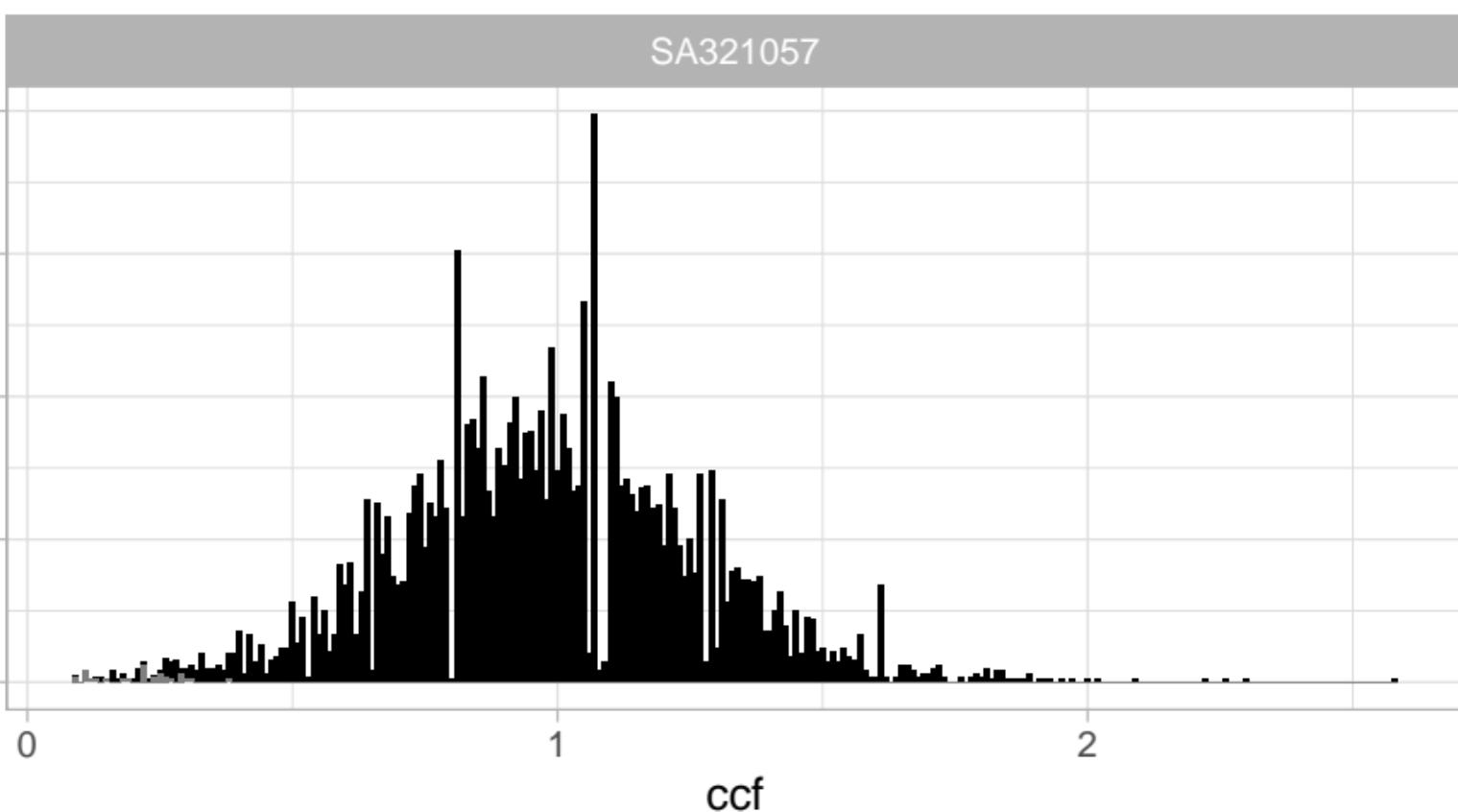
0

1

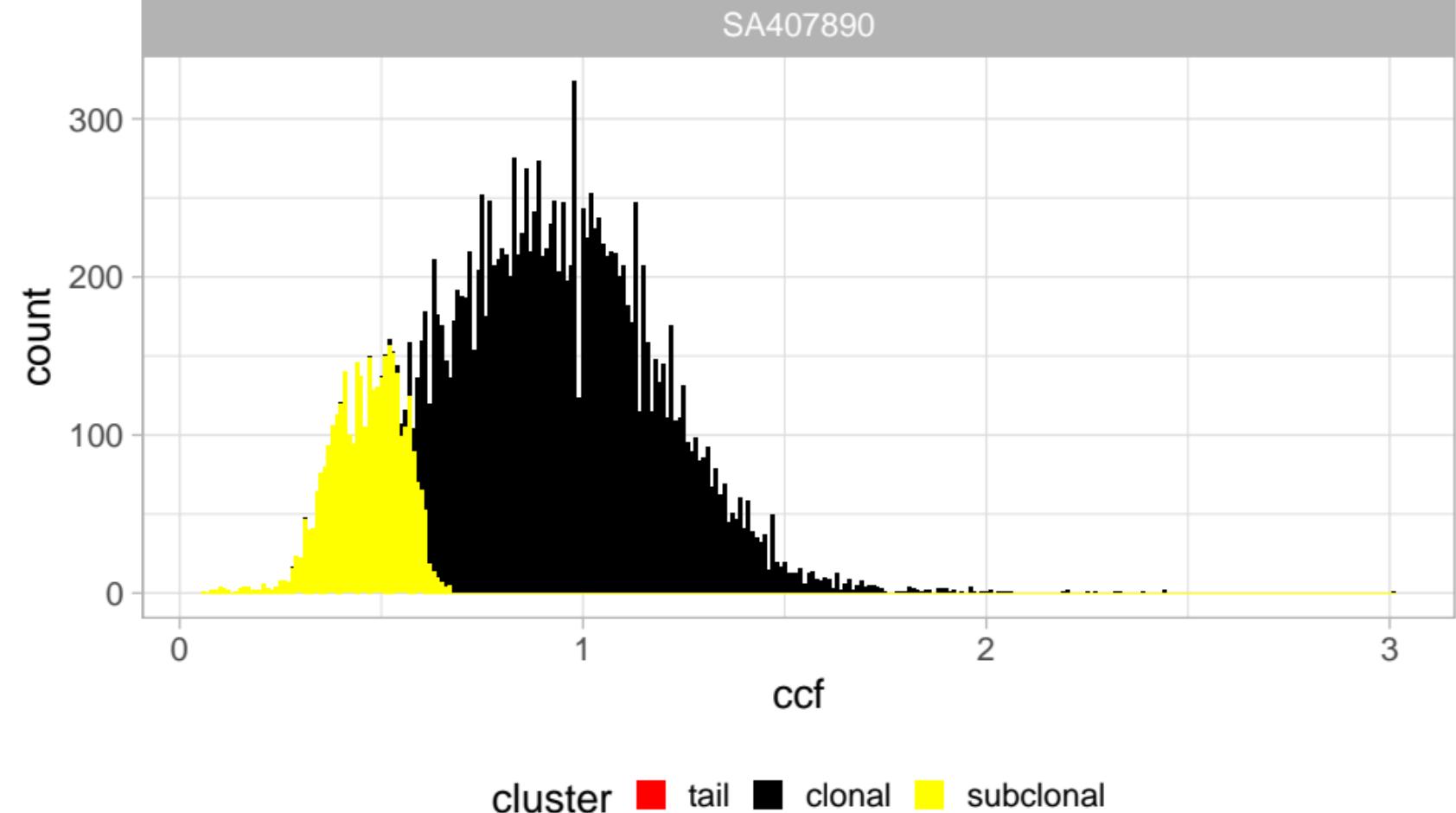
2

ccf

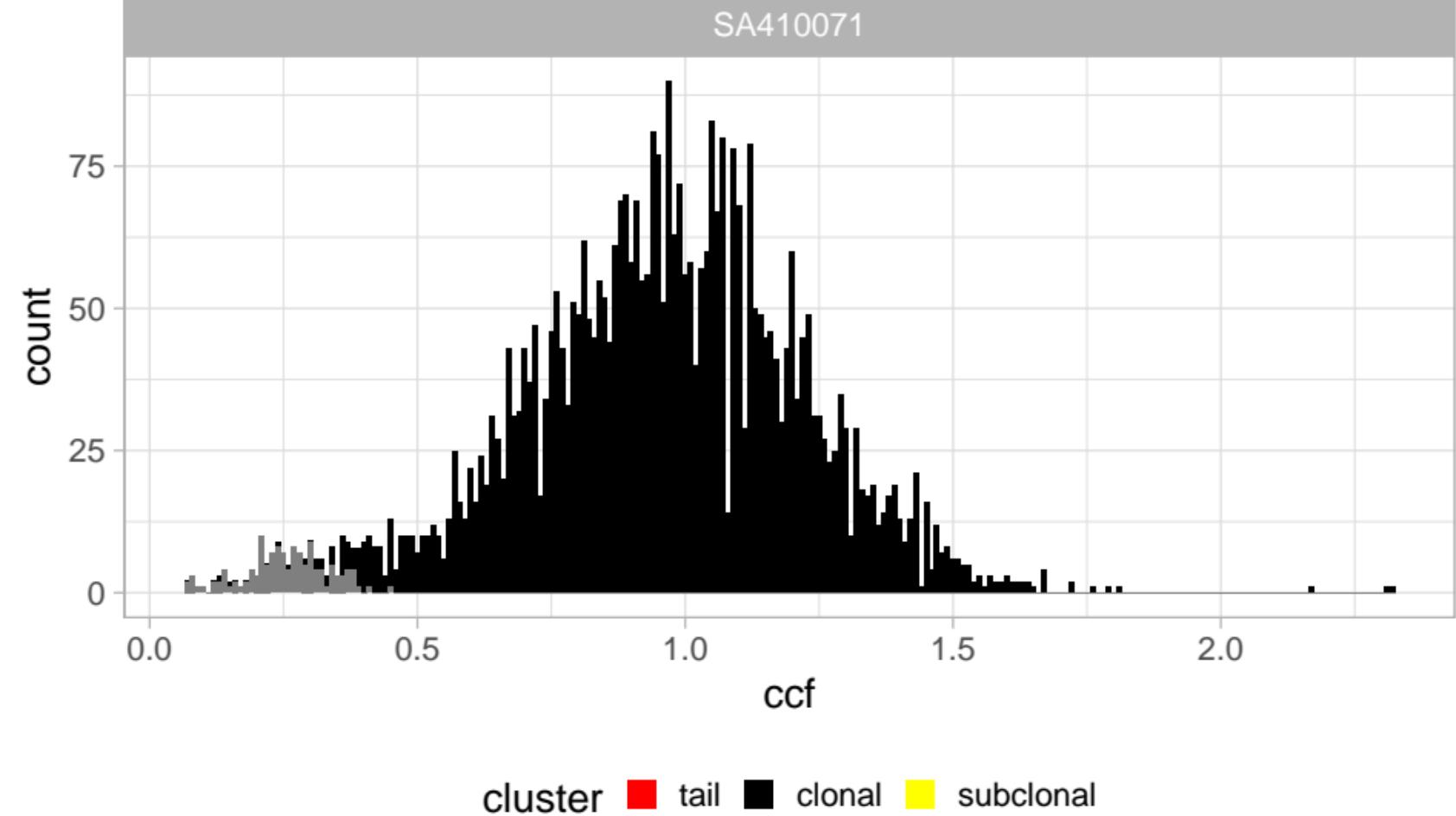
cluster tail clonal subclonal



SA407890



SA410071



SA542383

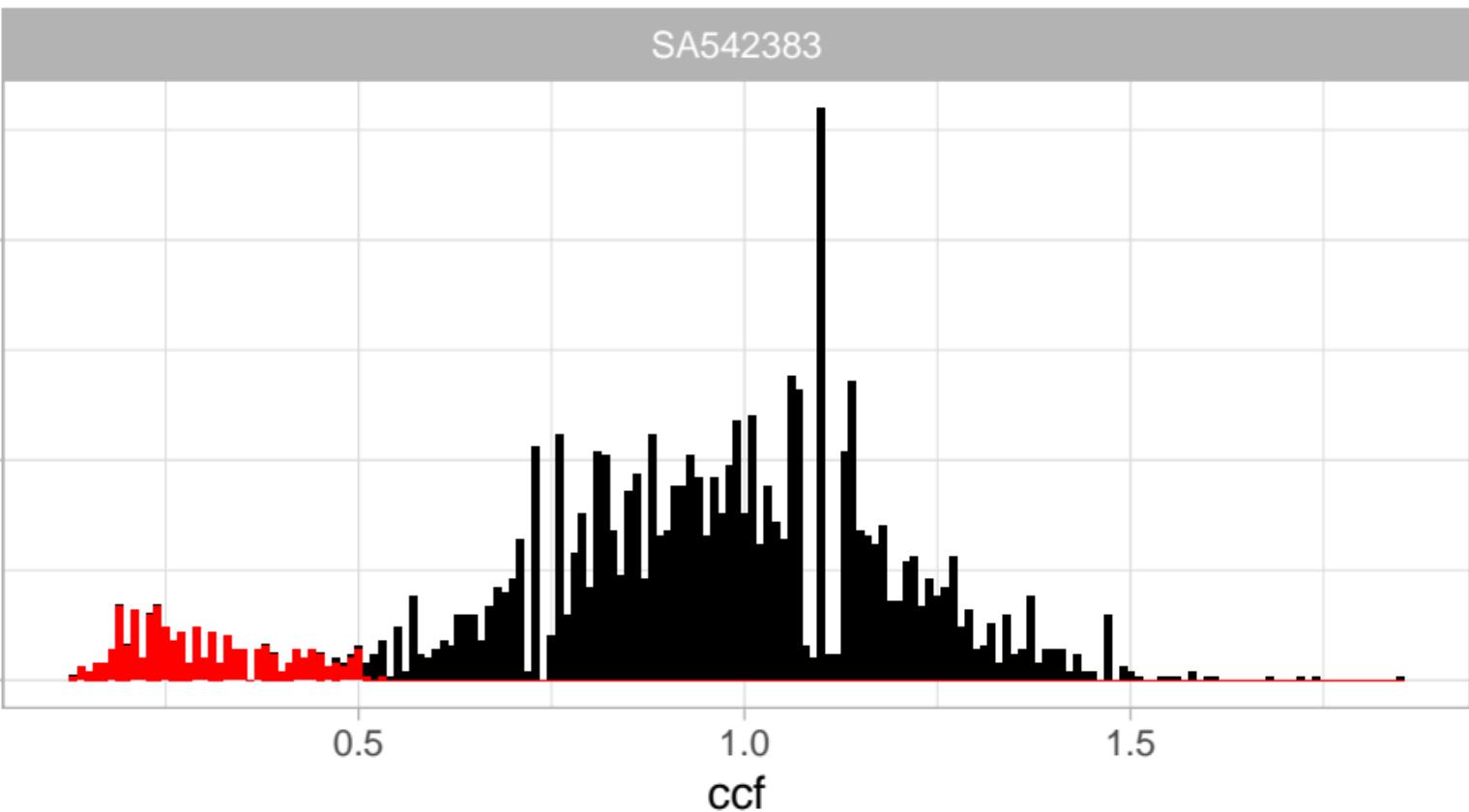
count

100
50
0

0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA528686

count

75
50
25
0

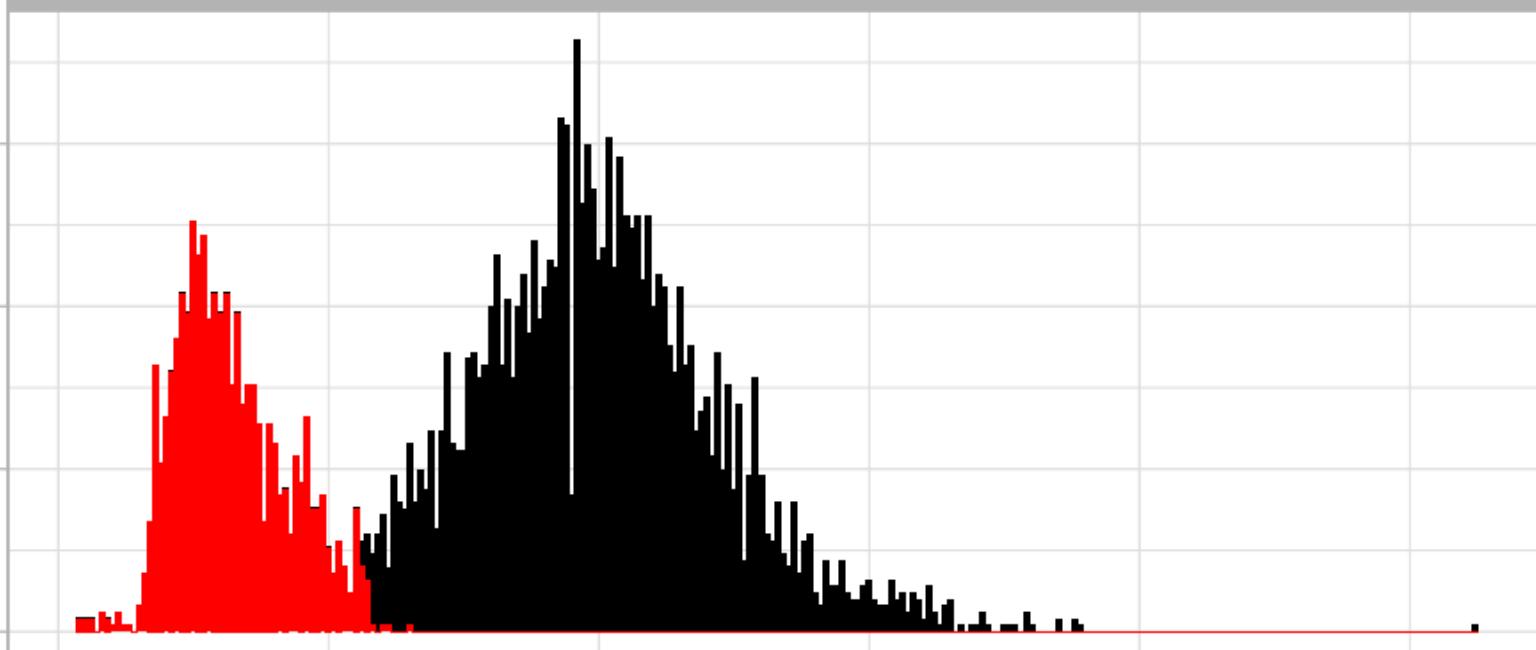
0

1

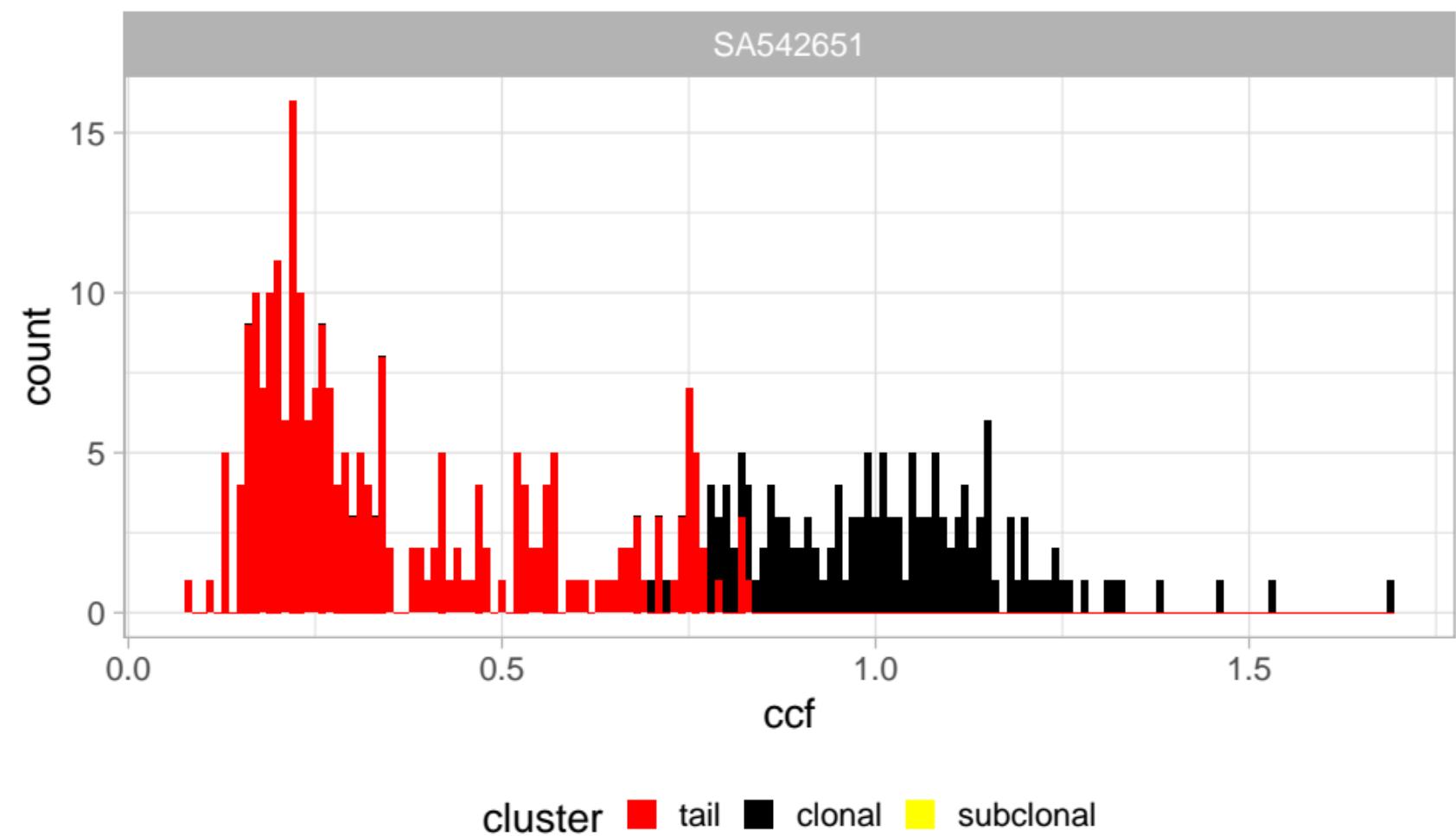
2

ccf

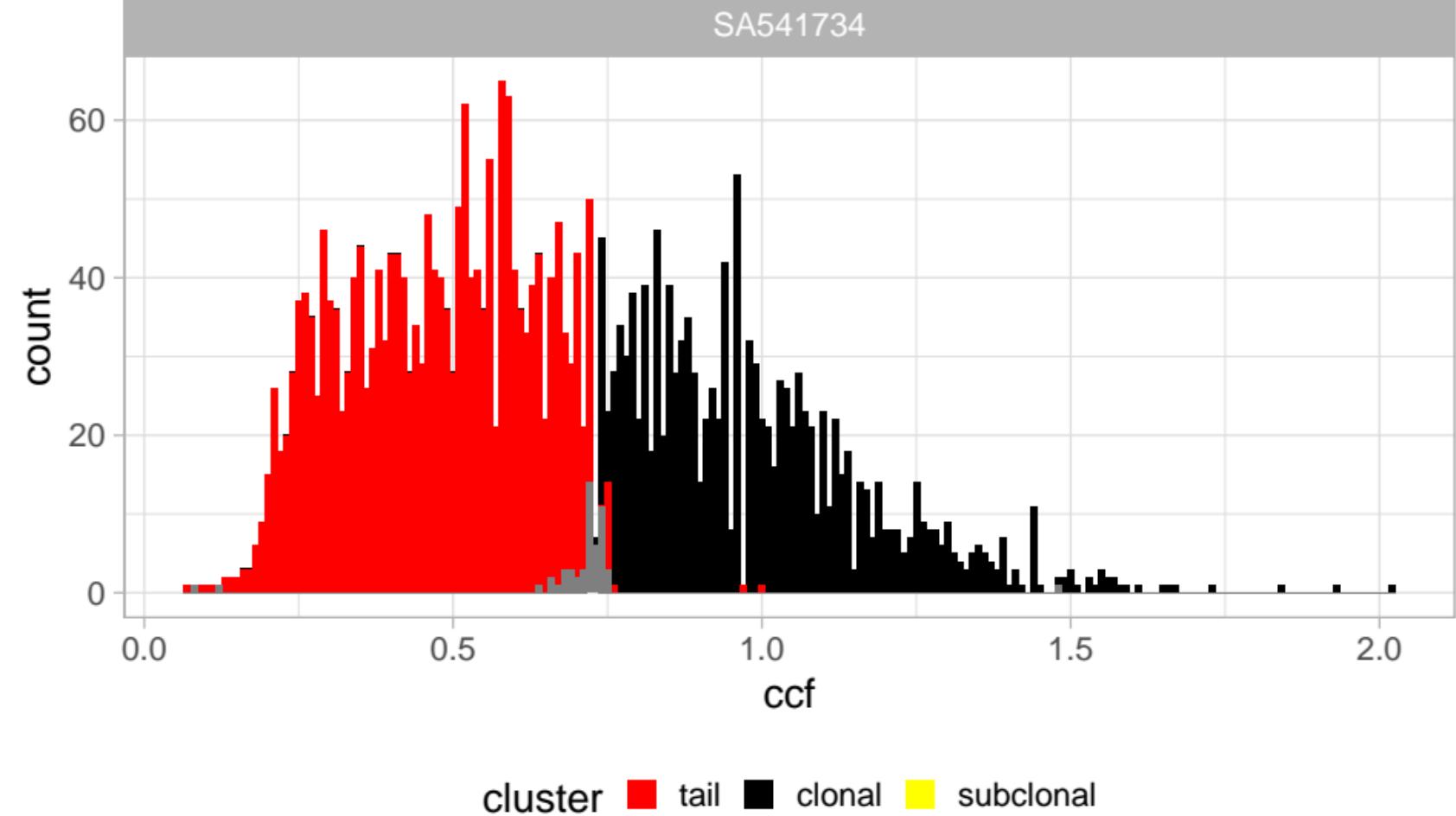
cluster tail clonal subclonal



SA542651



SA541734



SA518628

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA557677

count

300

200

100

0

0.0

0.5

1.0

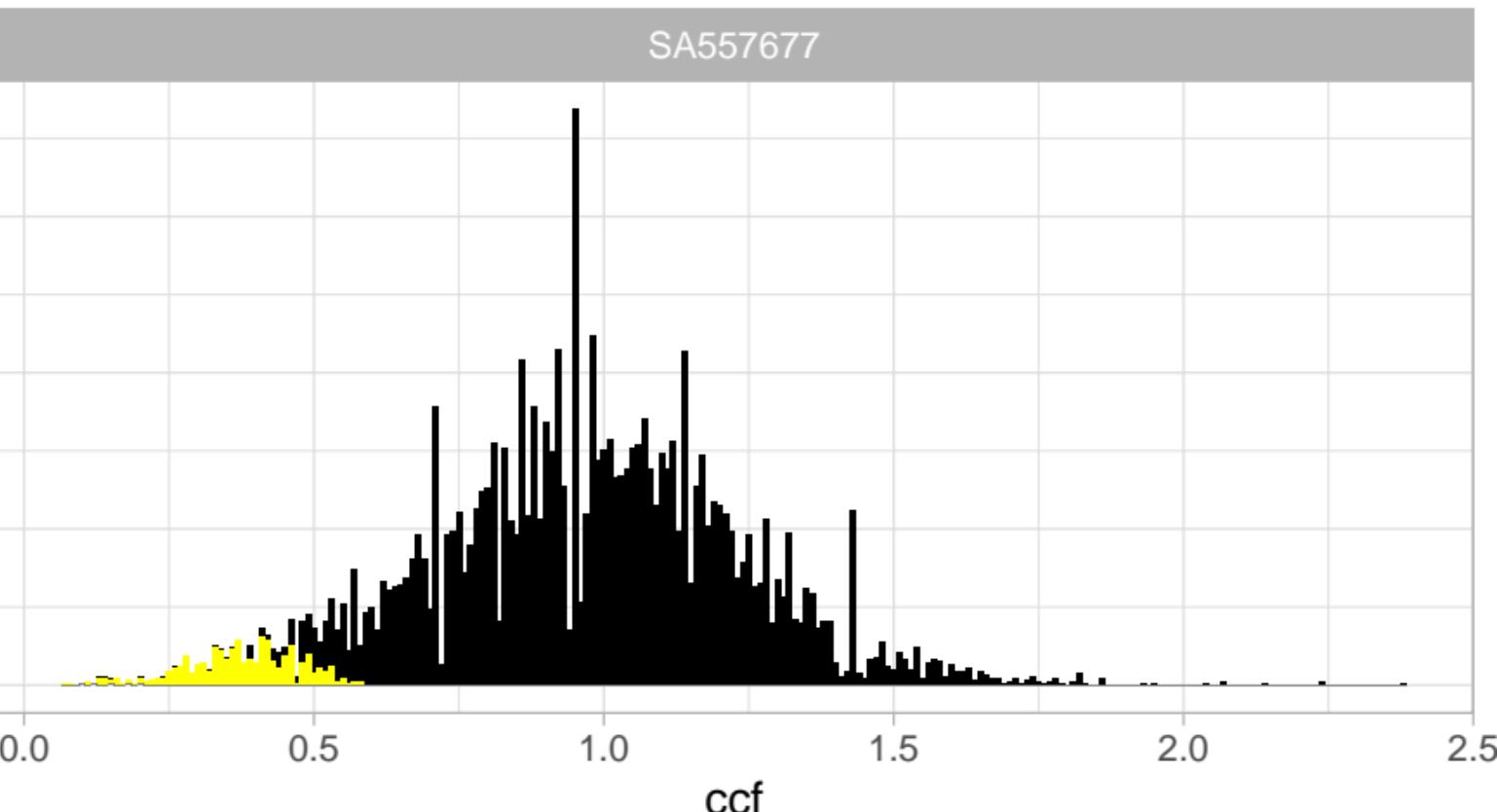
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA543666

count

100

75

50

25

0

0.0

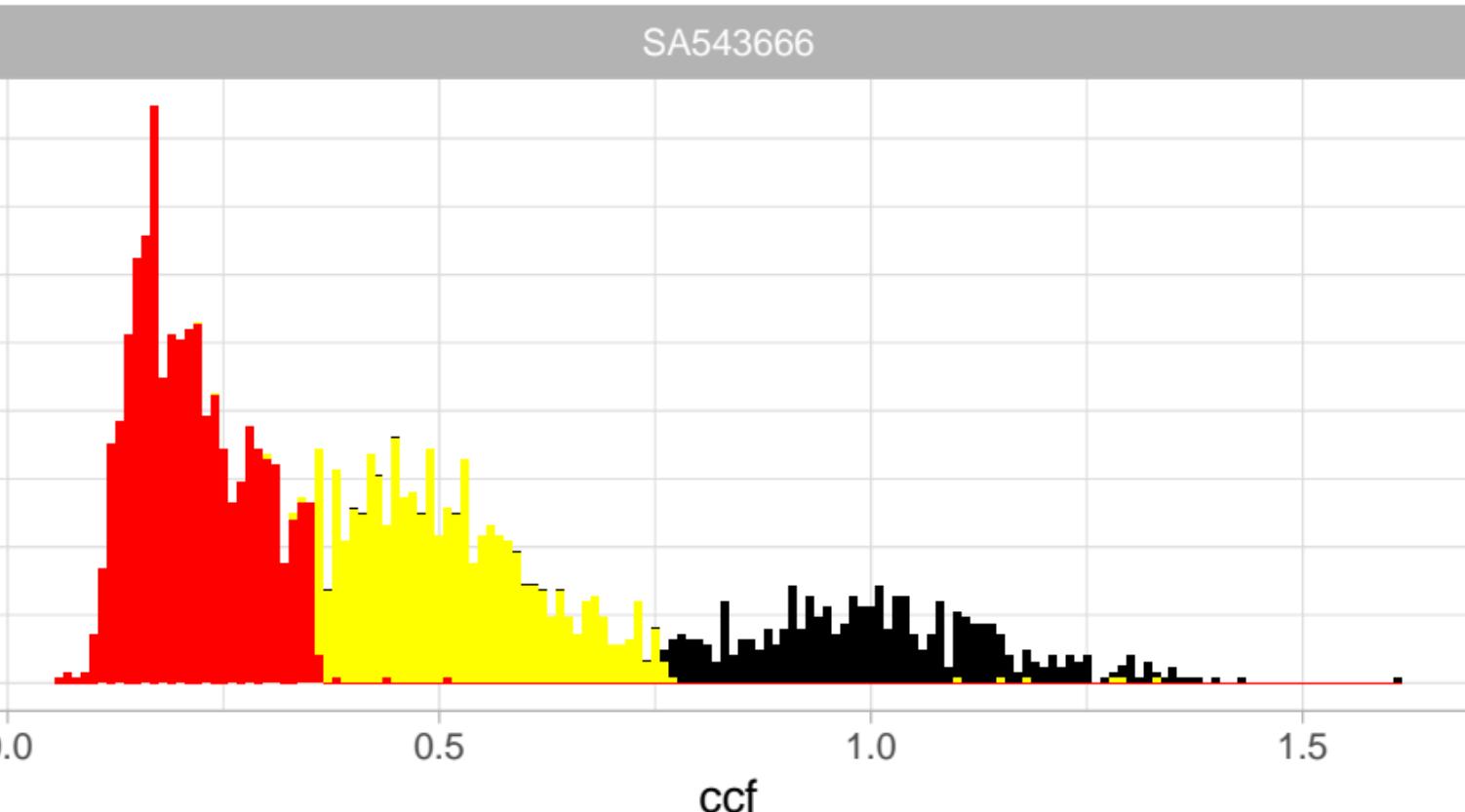
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542392

count

100

75

50

25

0

0.0

0.5

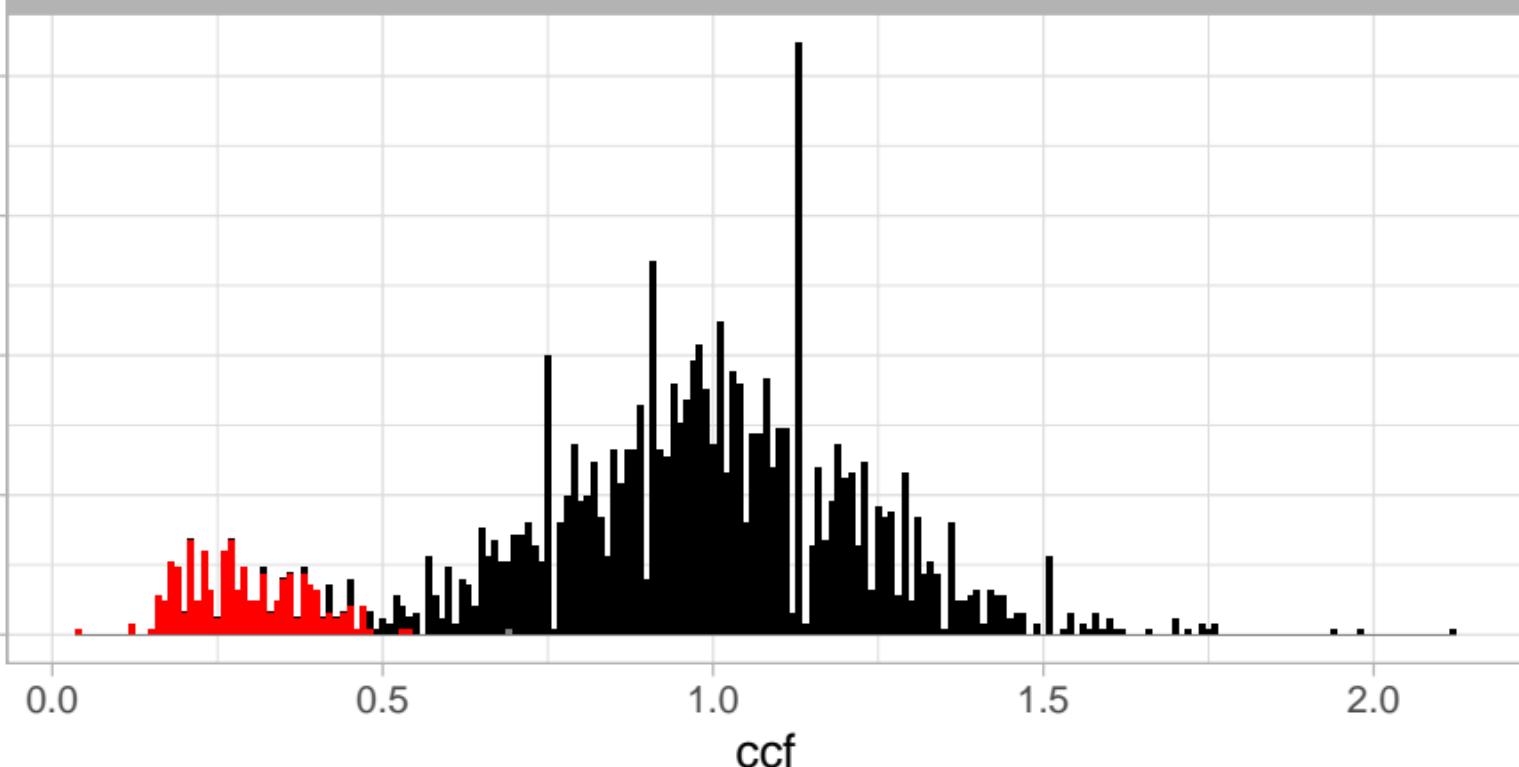
1.0

1.5

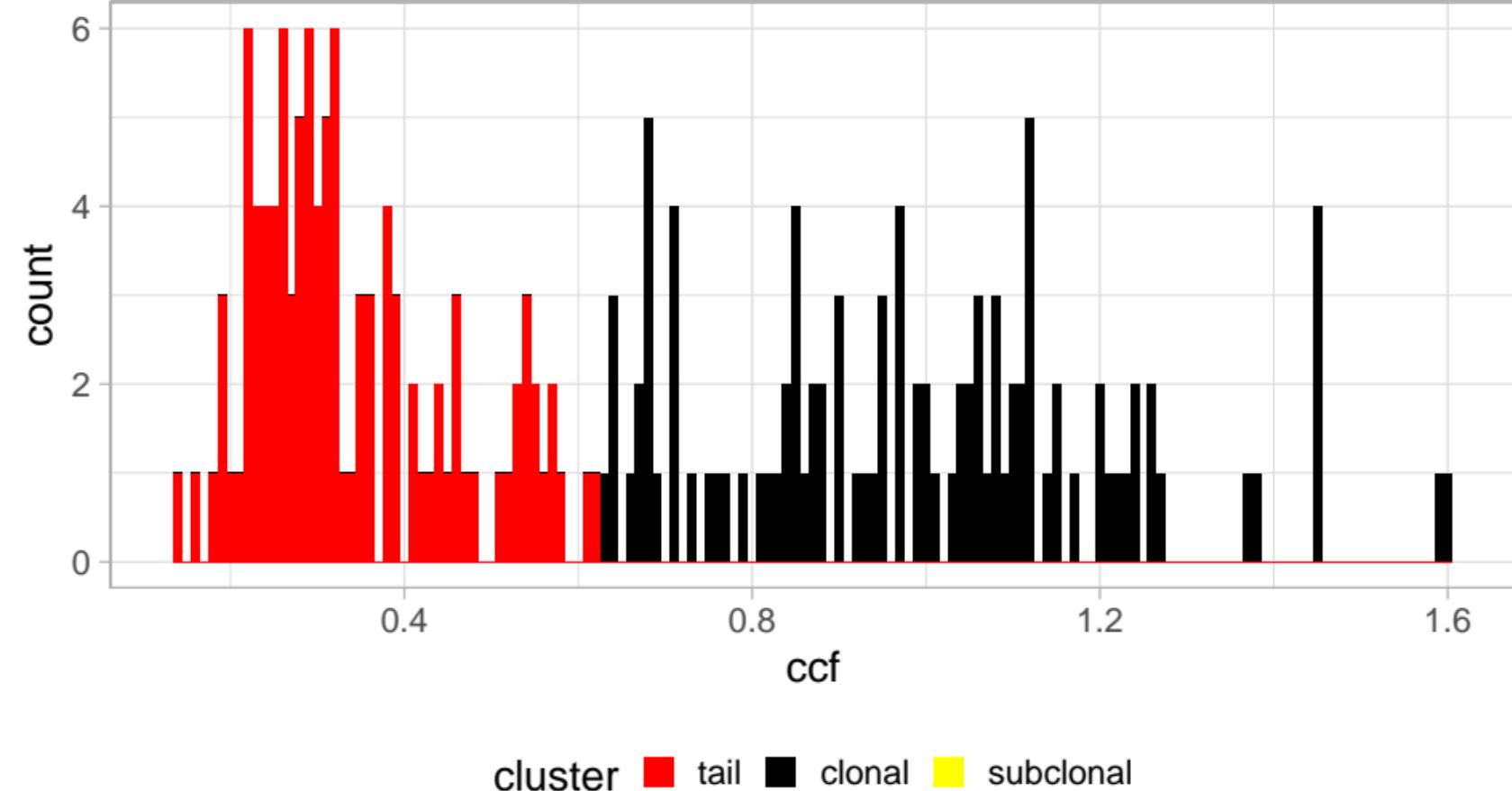
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413822



SA517274

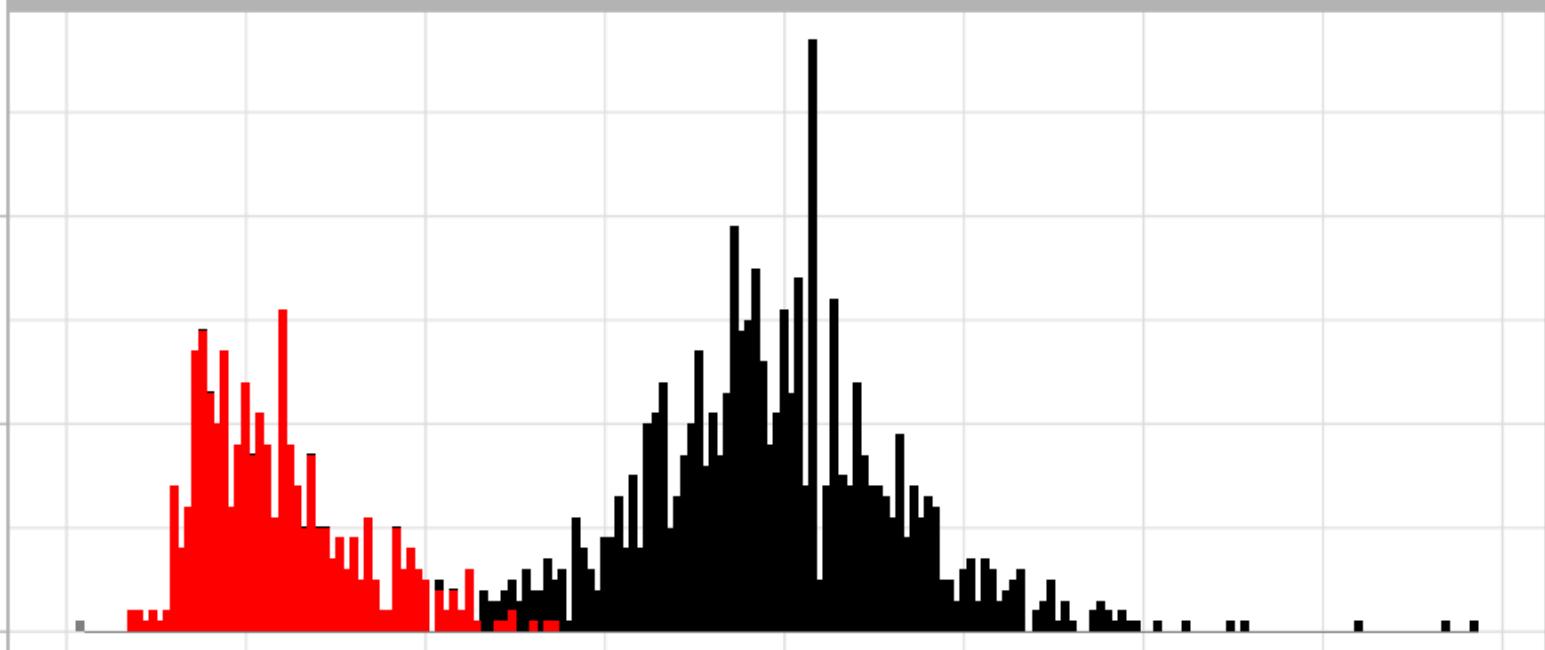
count

40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA414199

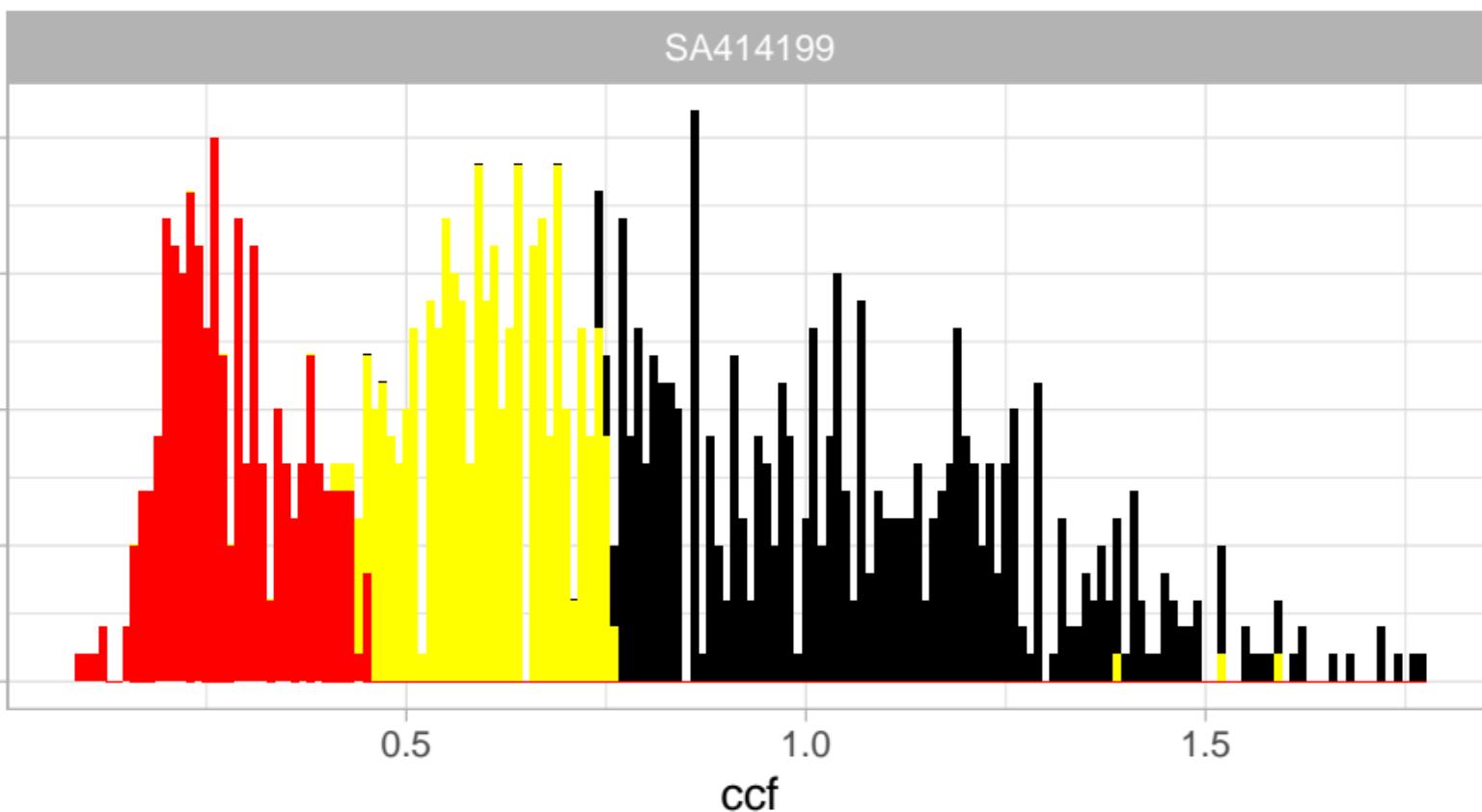
count

20
15
10
5
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA501387

count

200

150

100

50

0

0.0

0.5

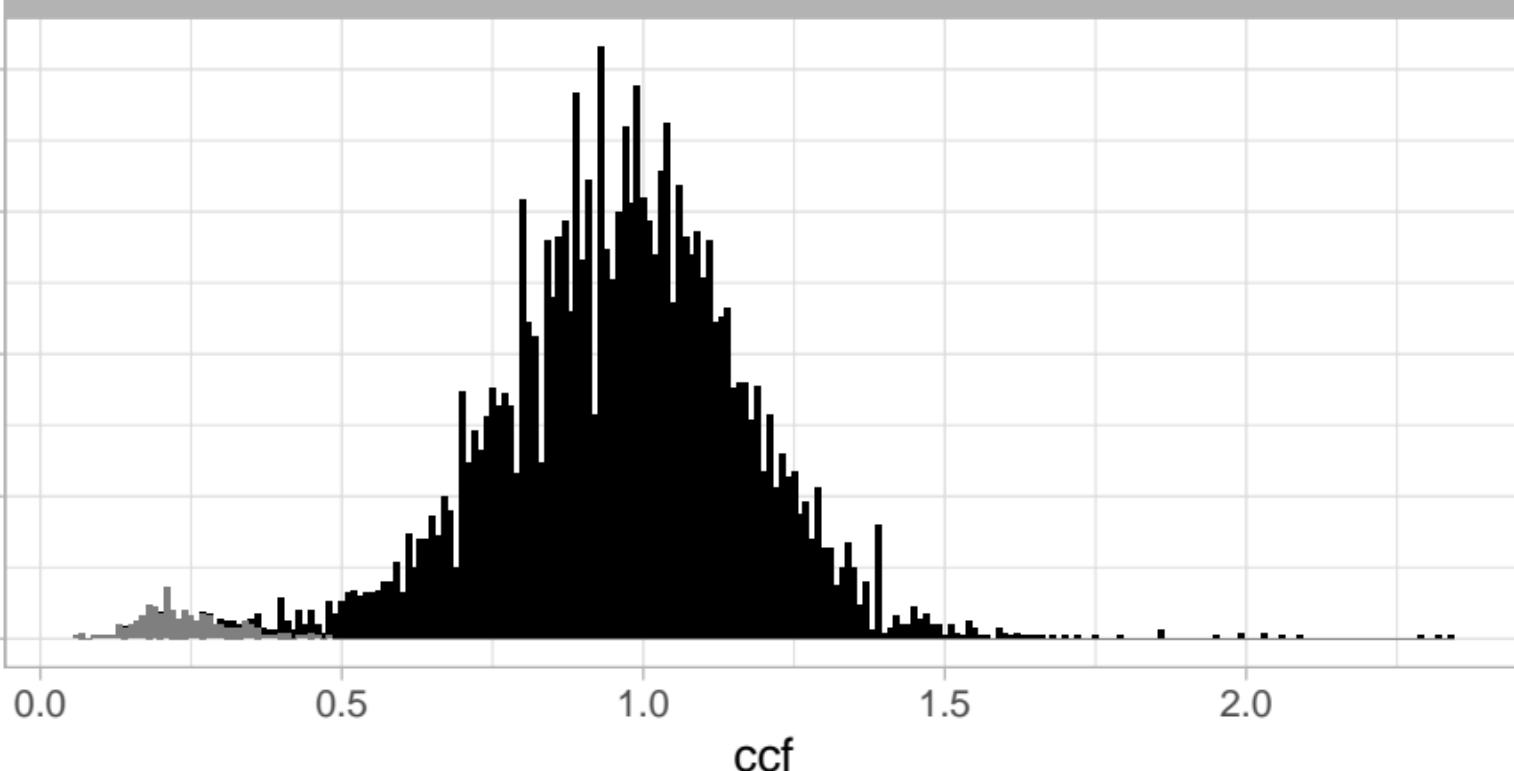
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA570851

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA542024

count

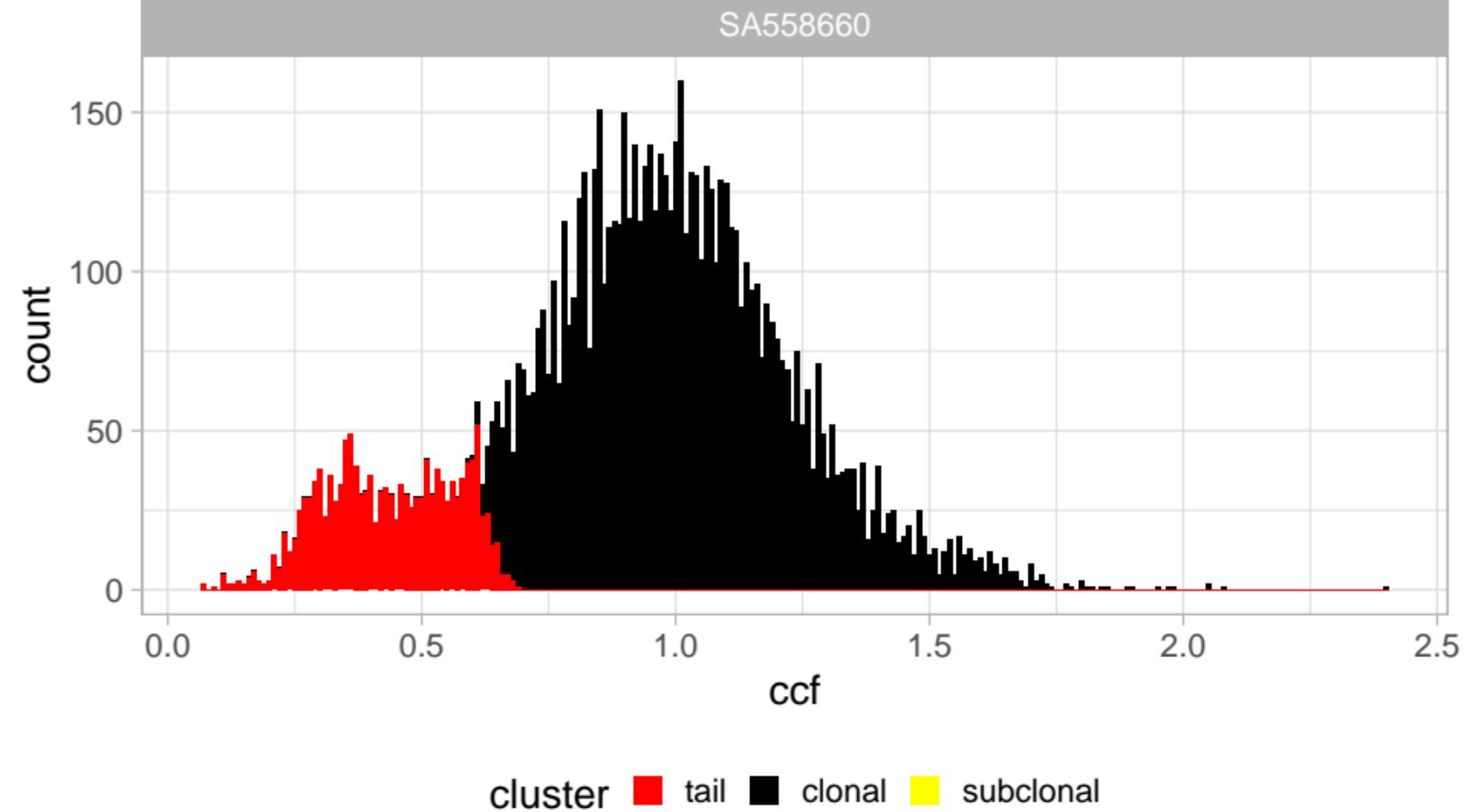
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA558660



SA530509

count

60
40
20
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA515309

count

750

500

250

0

0.0

0.5

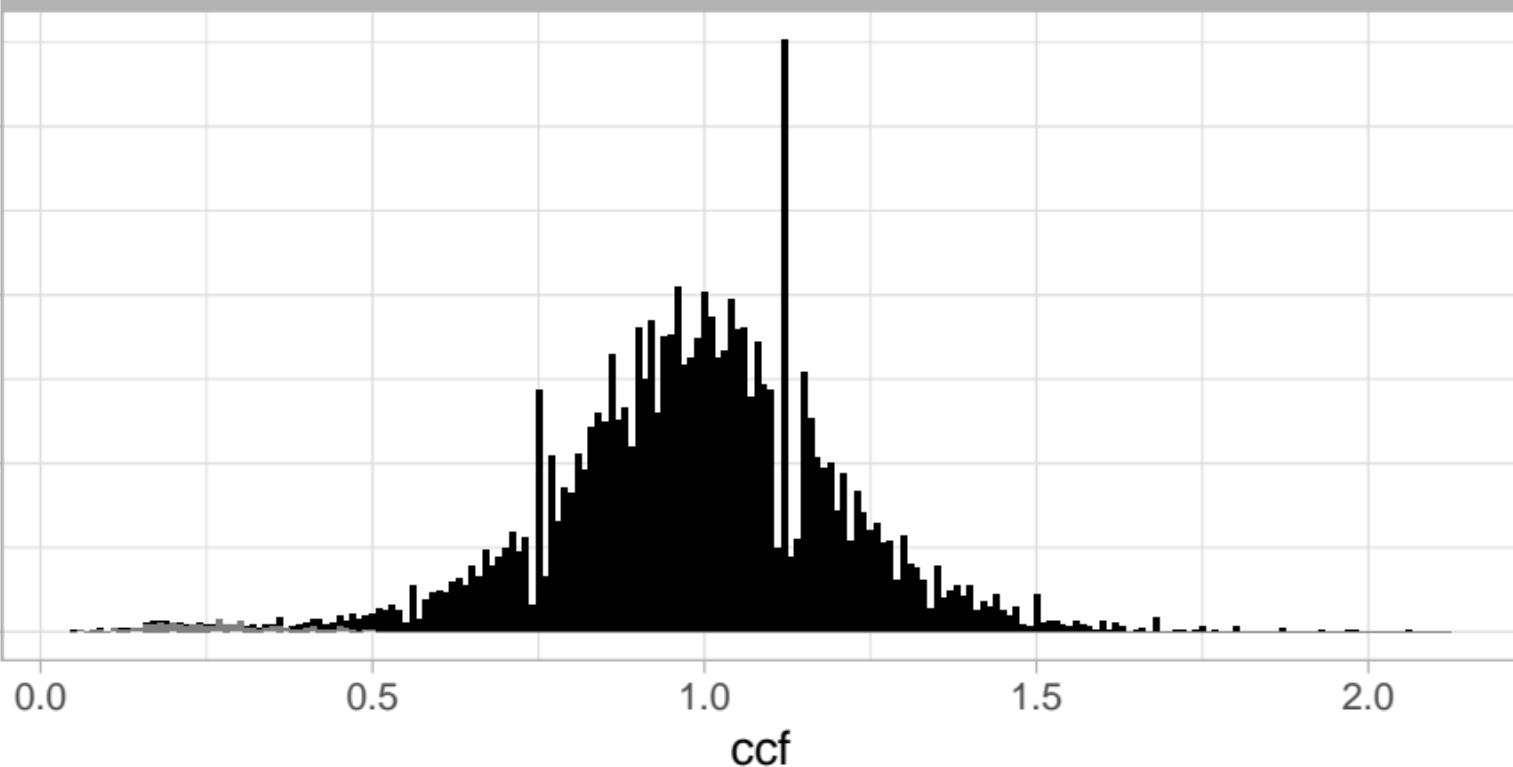
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA541738

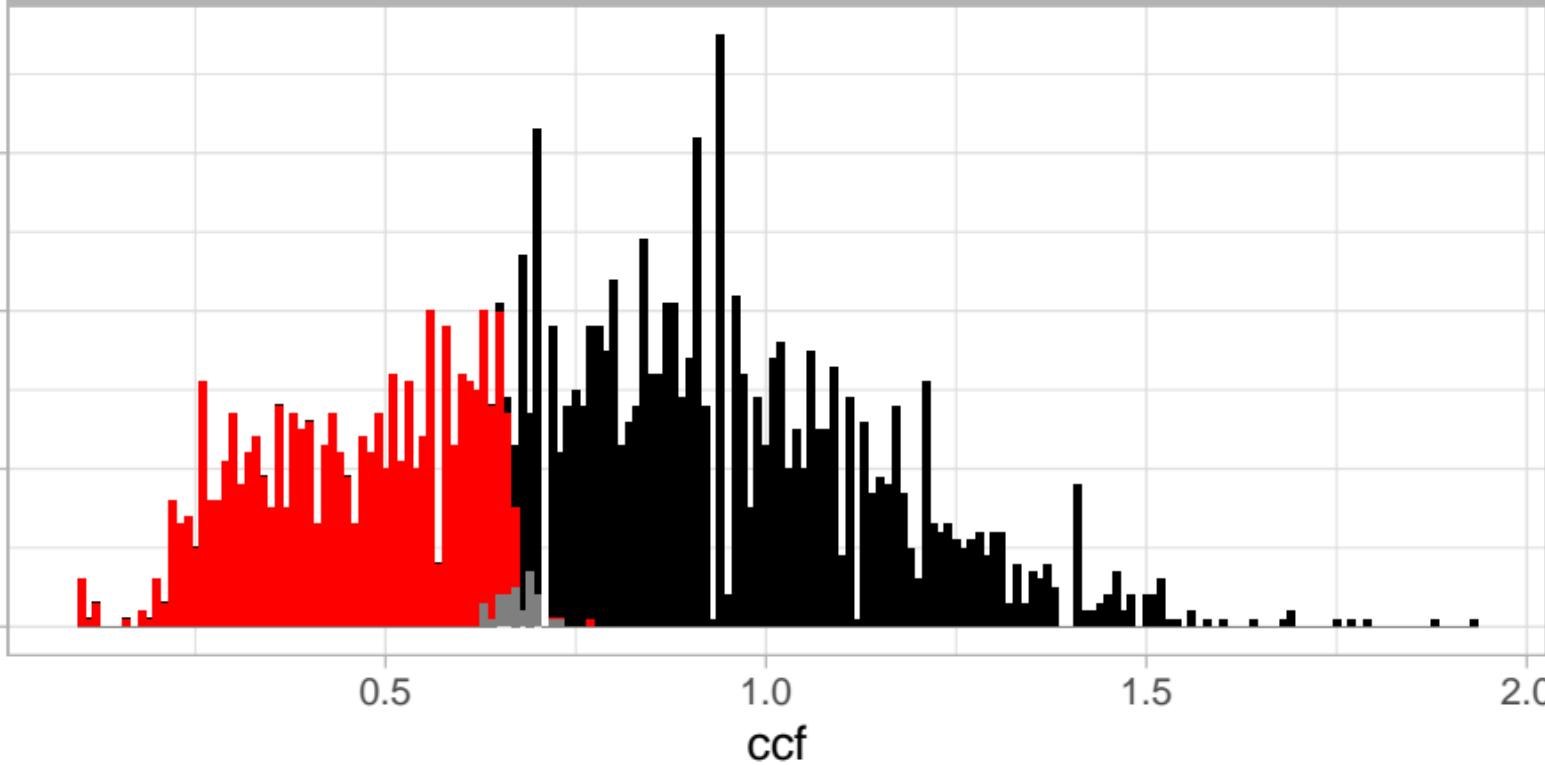
count

60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557461

count

3000
2000
1000
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal

SA530606

count

100

75

50

25

0

0.0

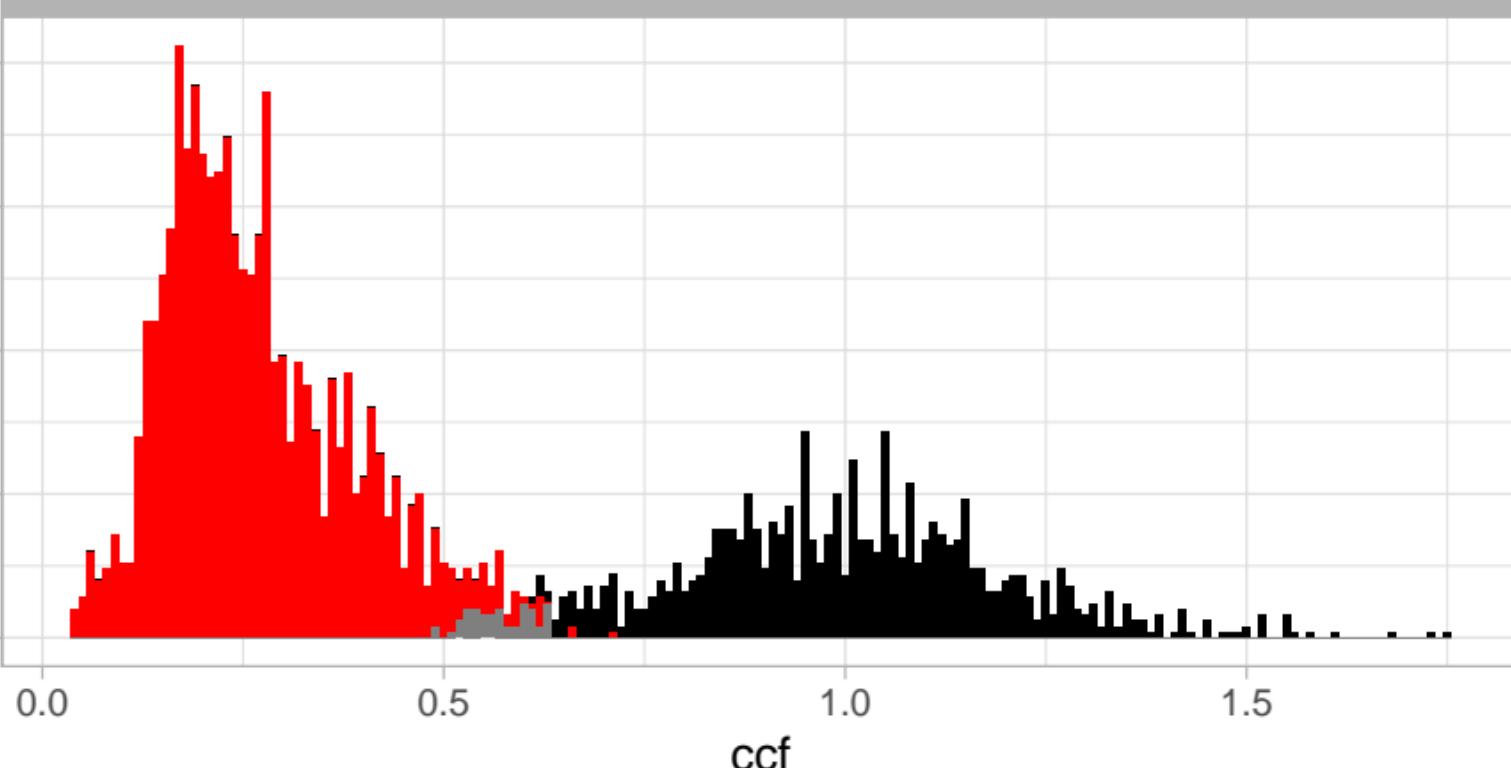
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA539014

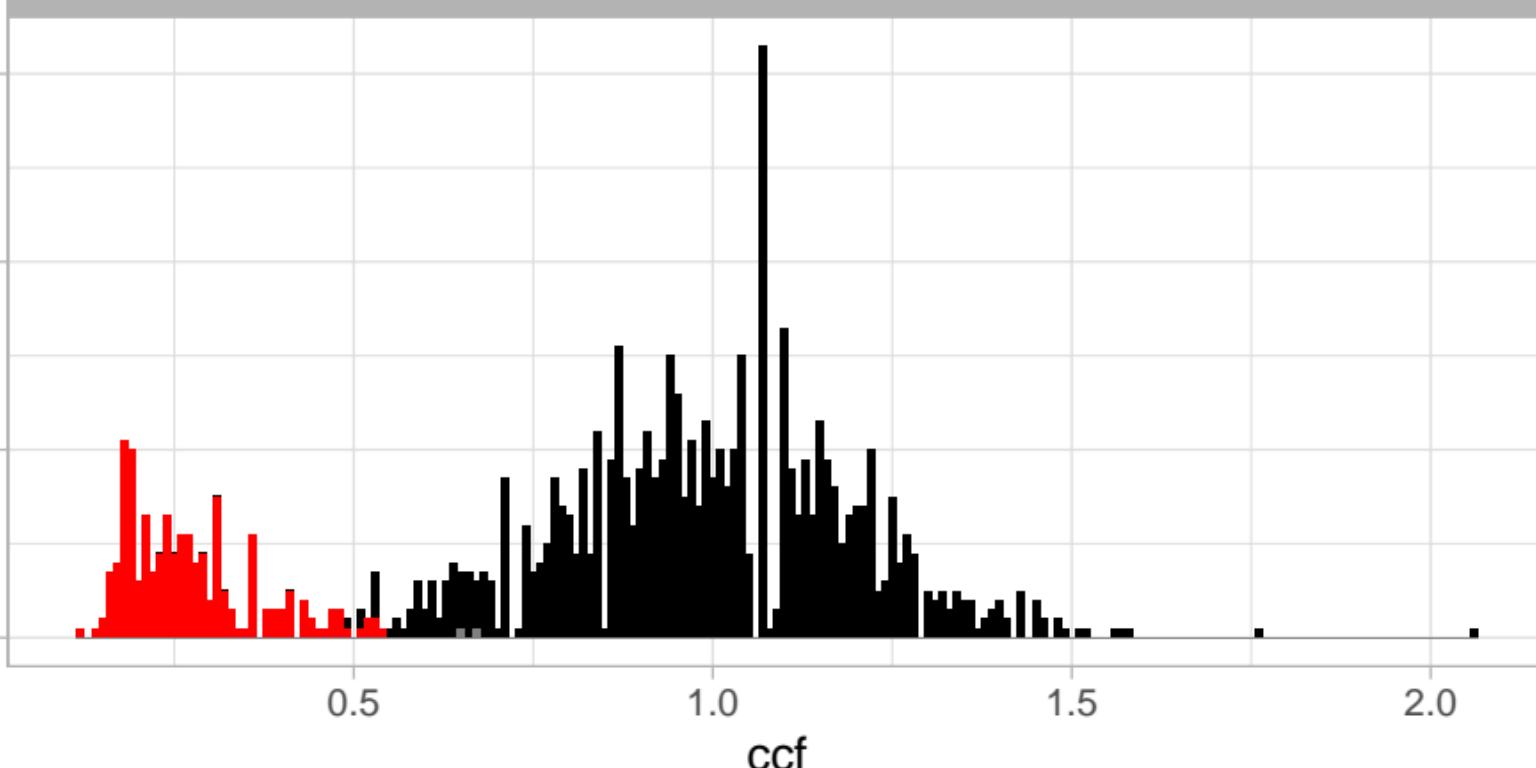
count

60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA505897

count

200

100

0

0.0

0.5

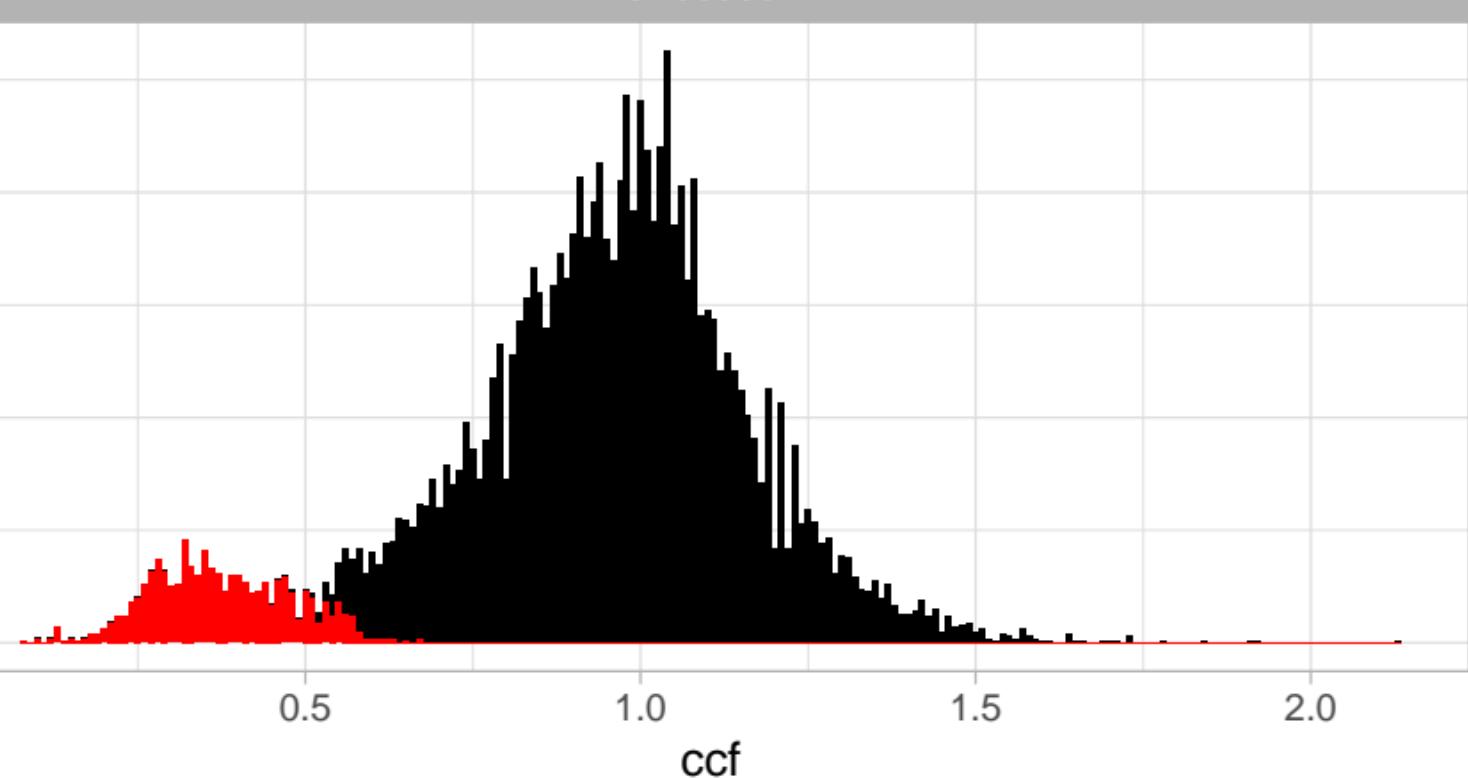
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533676

count

200

150

100

50

0

0

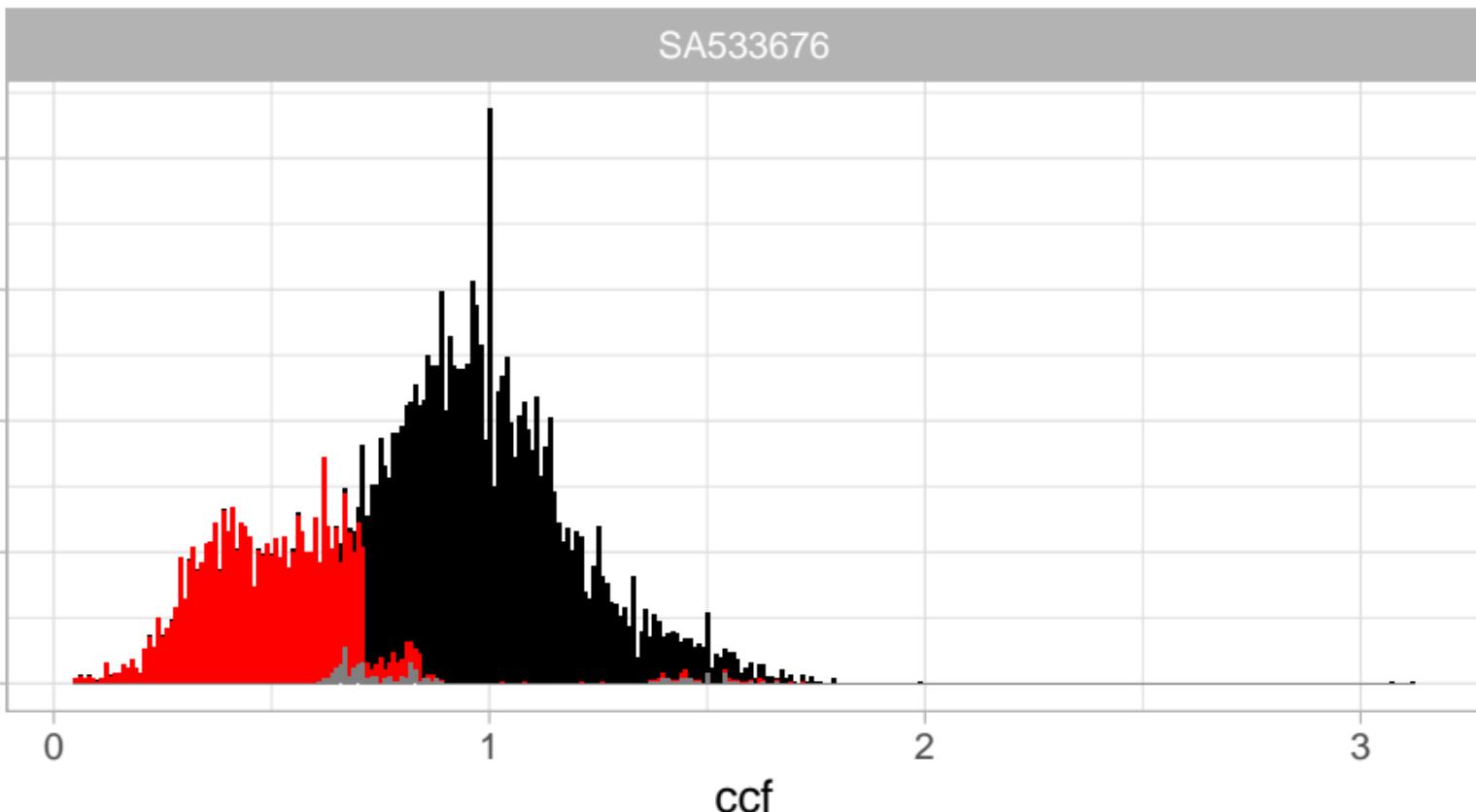
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA6164

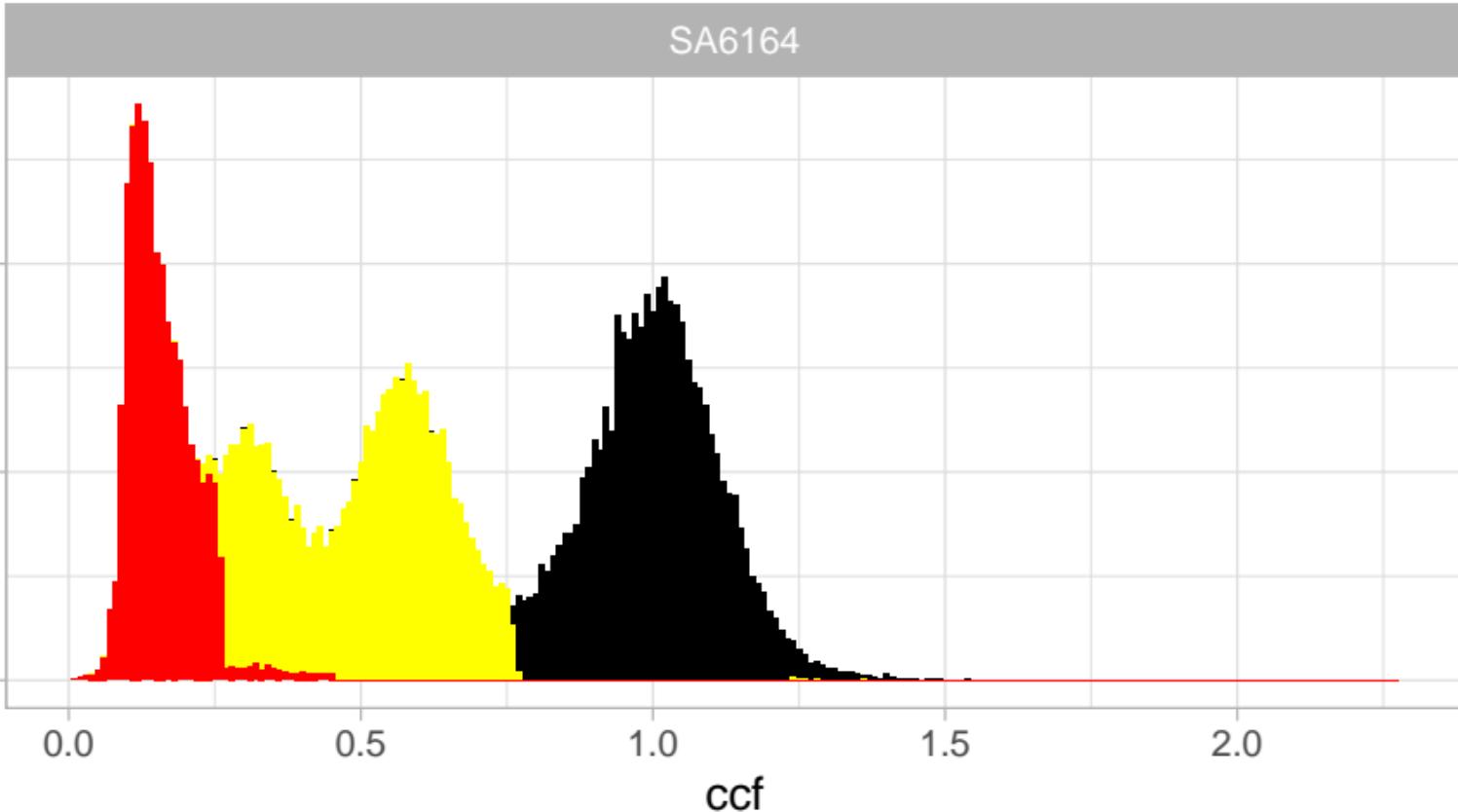
count

1000
500
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533734

count

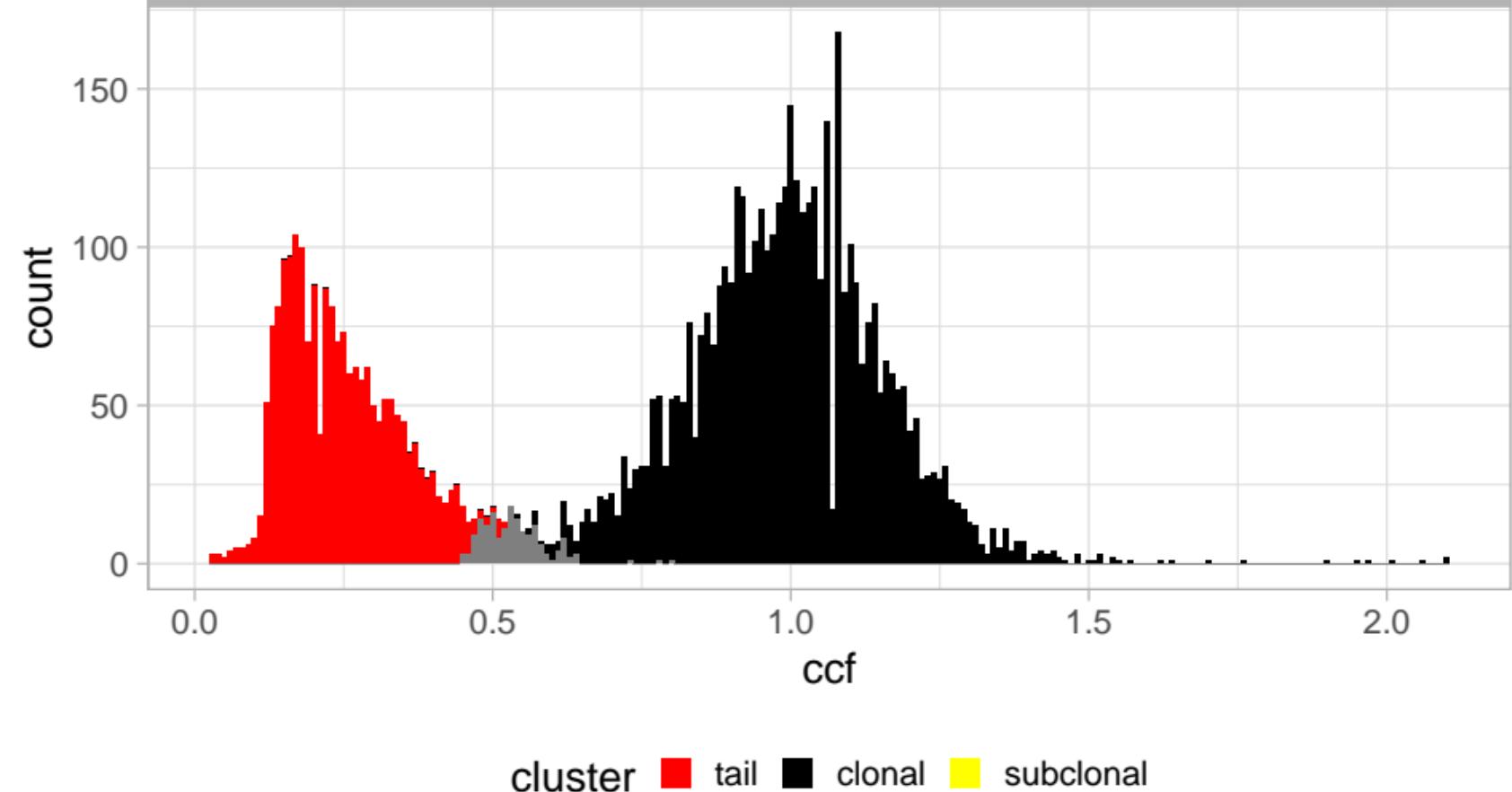
150
100
50
0

0 1 2 3 4 5

ccf

cluster tail clonal subclonal

SA533664



SA530458

count

100
75
50
25
0

0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal

SA557420

count

6000
4000
2000
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA520258

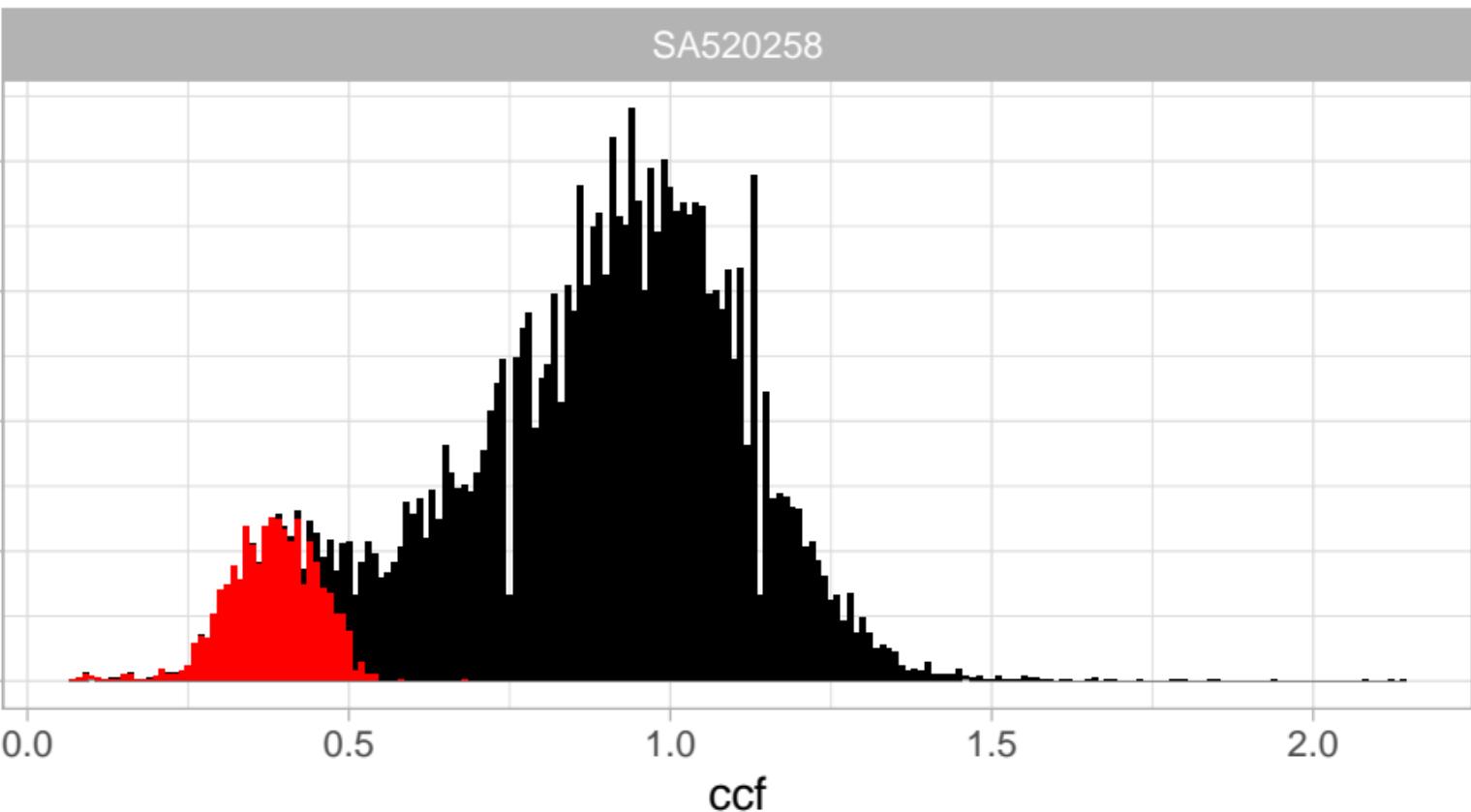
count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA539012

count

100

50

0

0.0

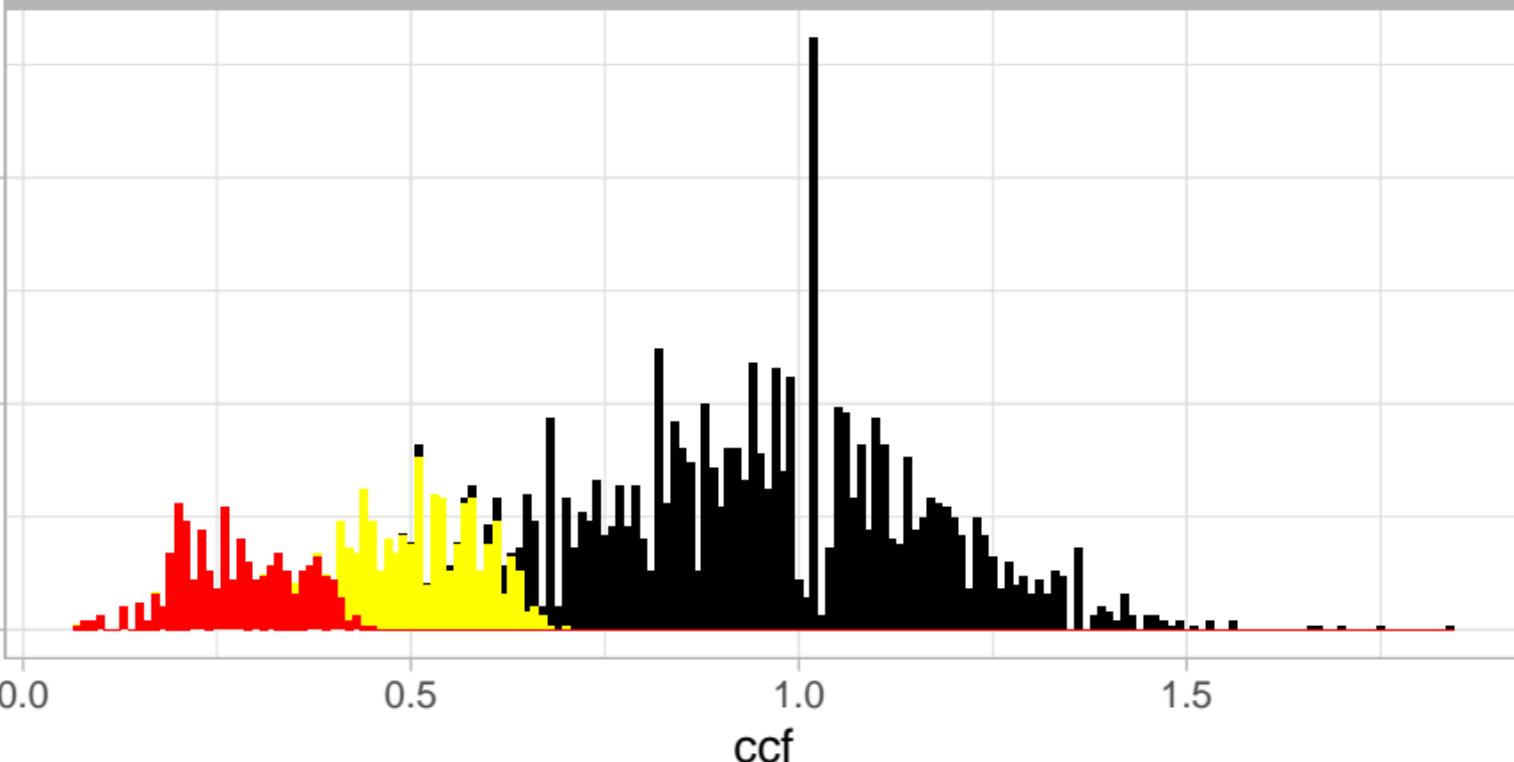
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA517252

count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA570845

count

40

30

20

10

0

0.0

0.5

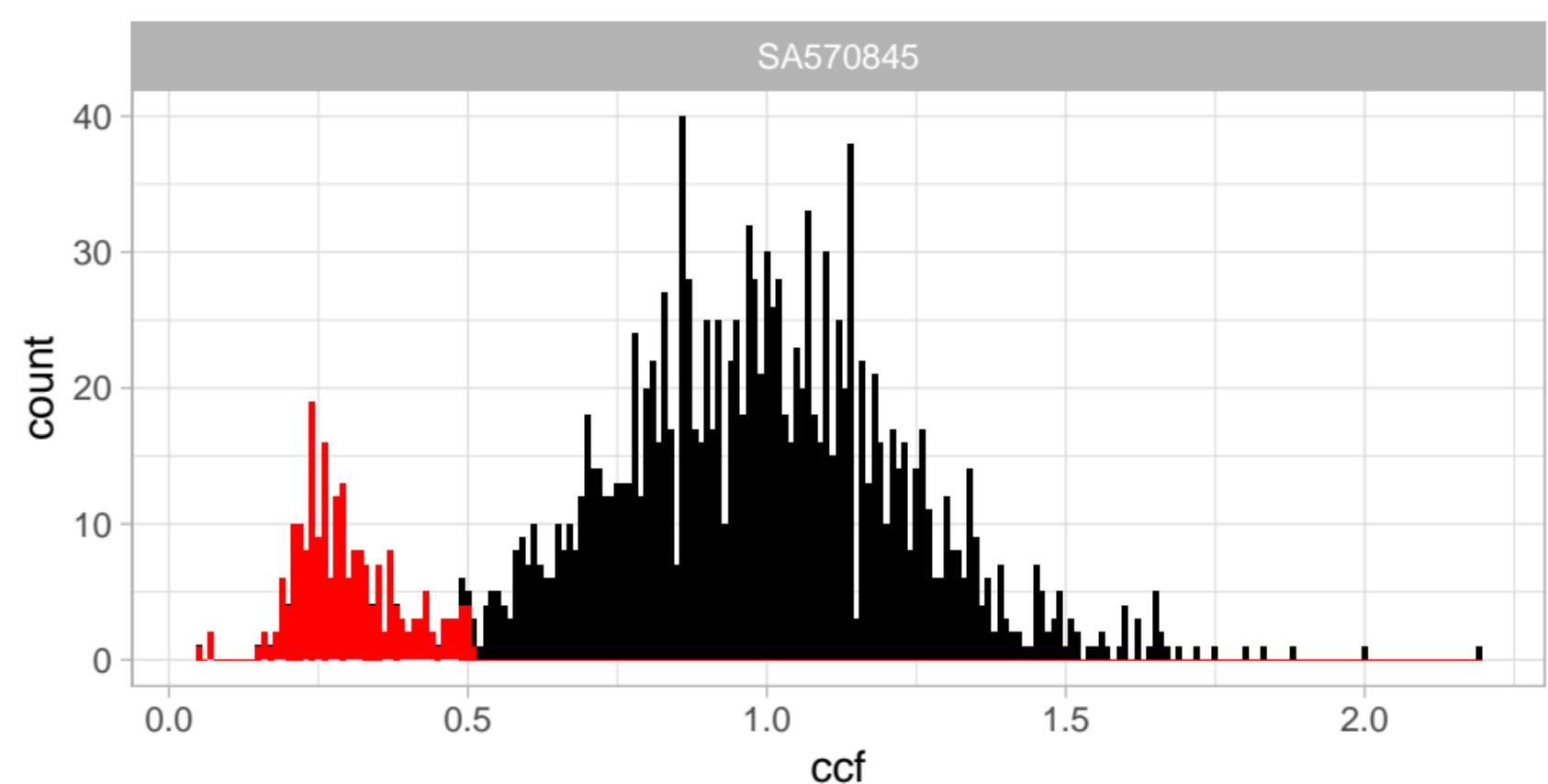
1.0

1.5

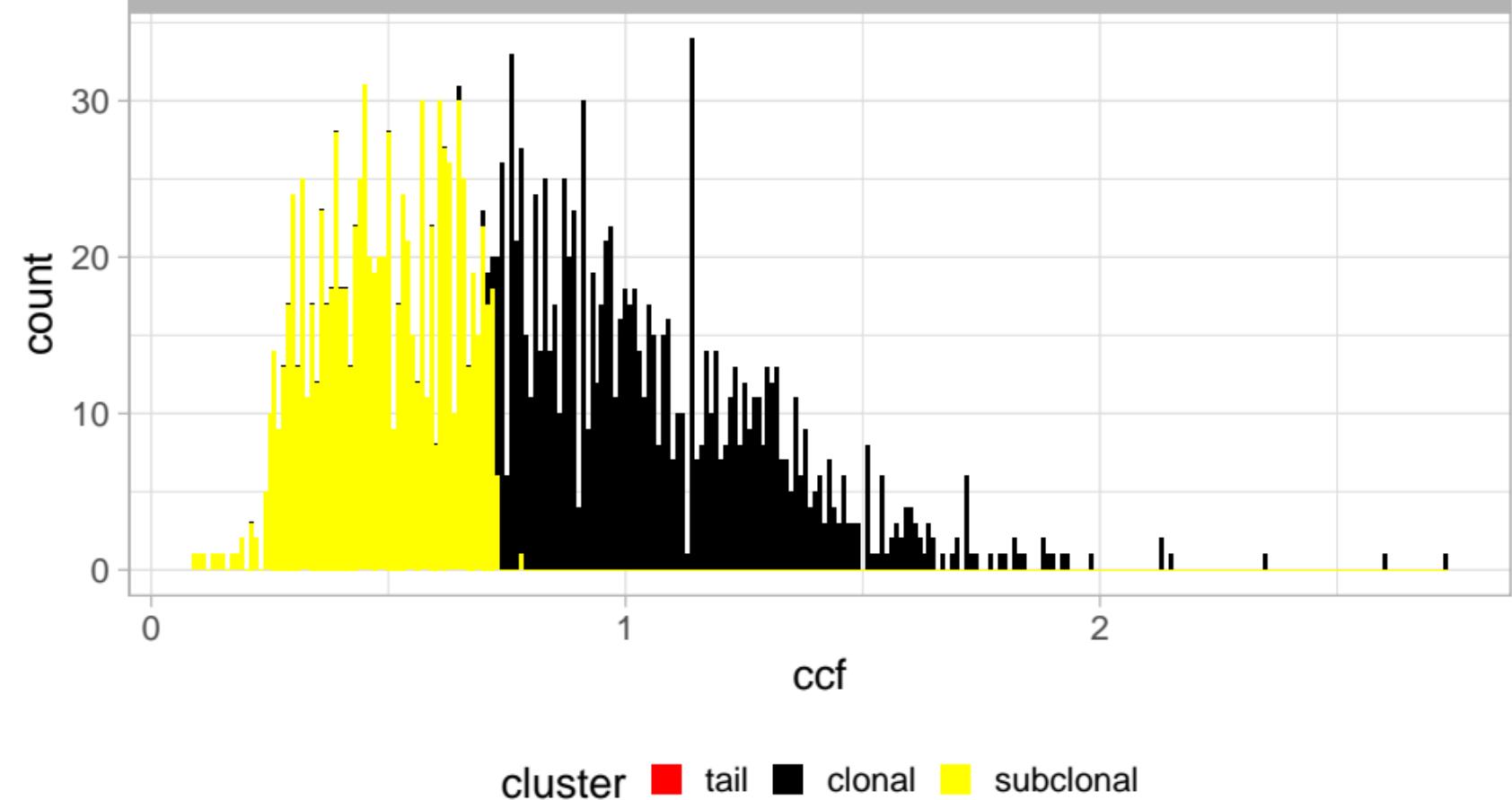
2.0

ccf

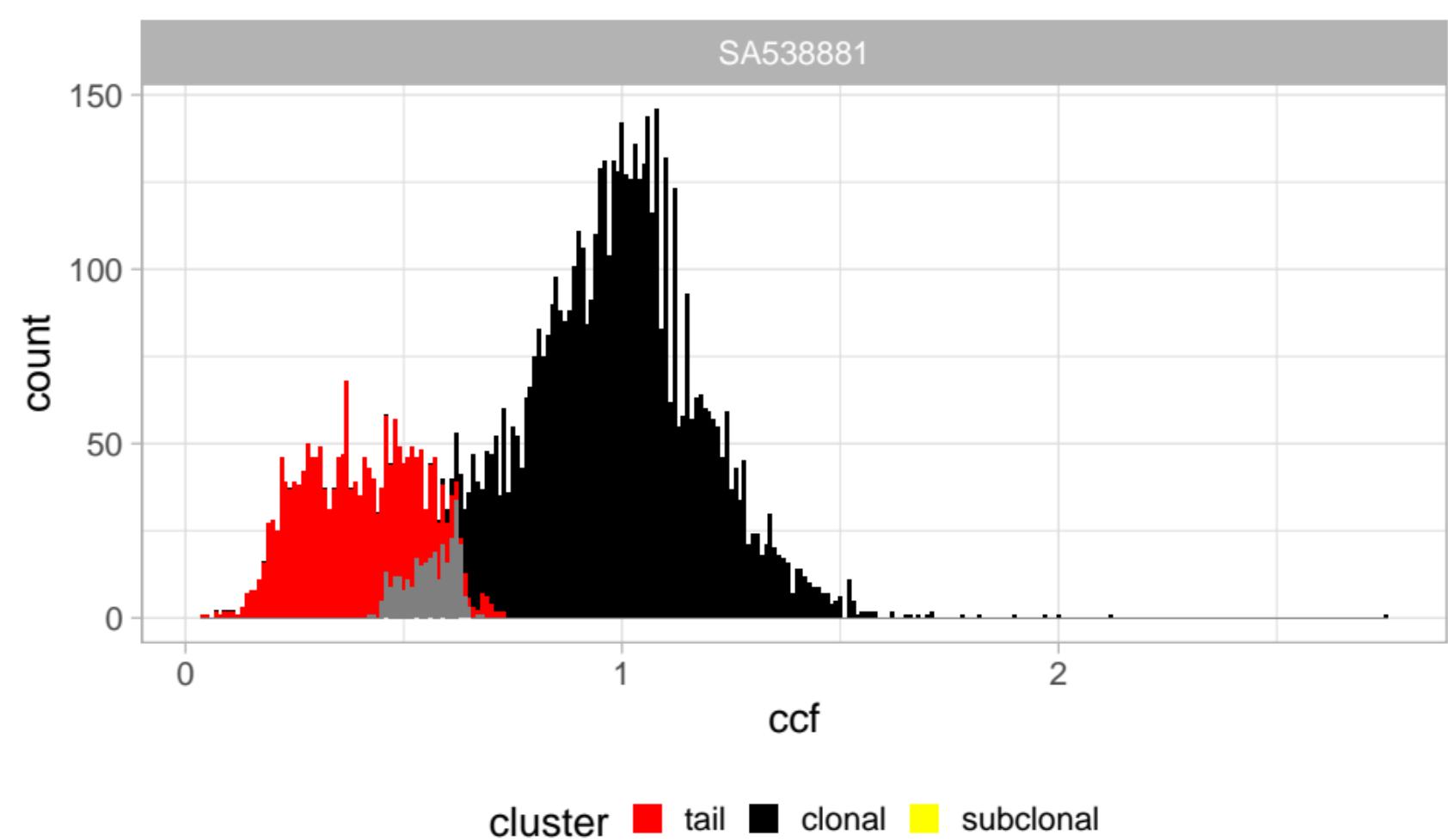
cluster ■ tail ■ clonal ■ subclonal



SA541770



SA538881



SA538877

count

100

50

0

0.0

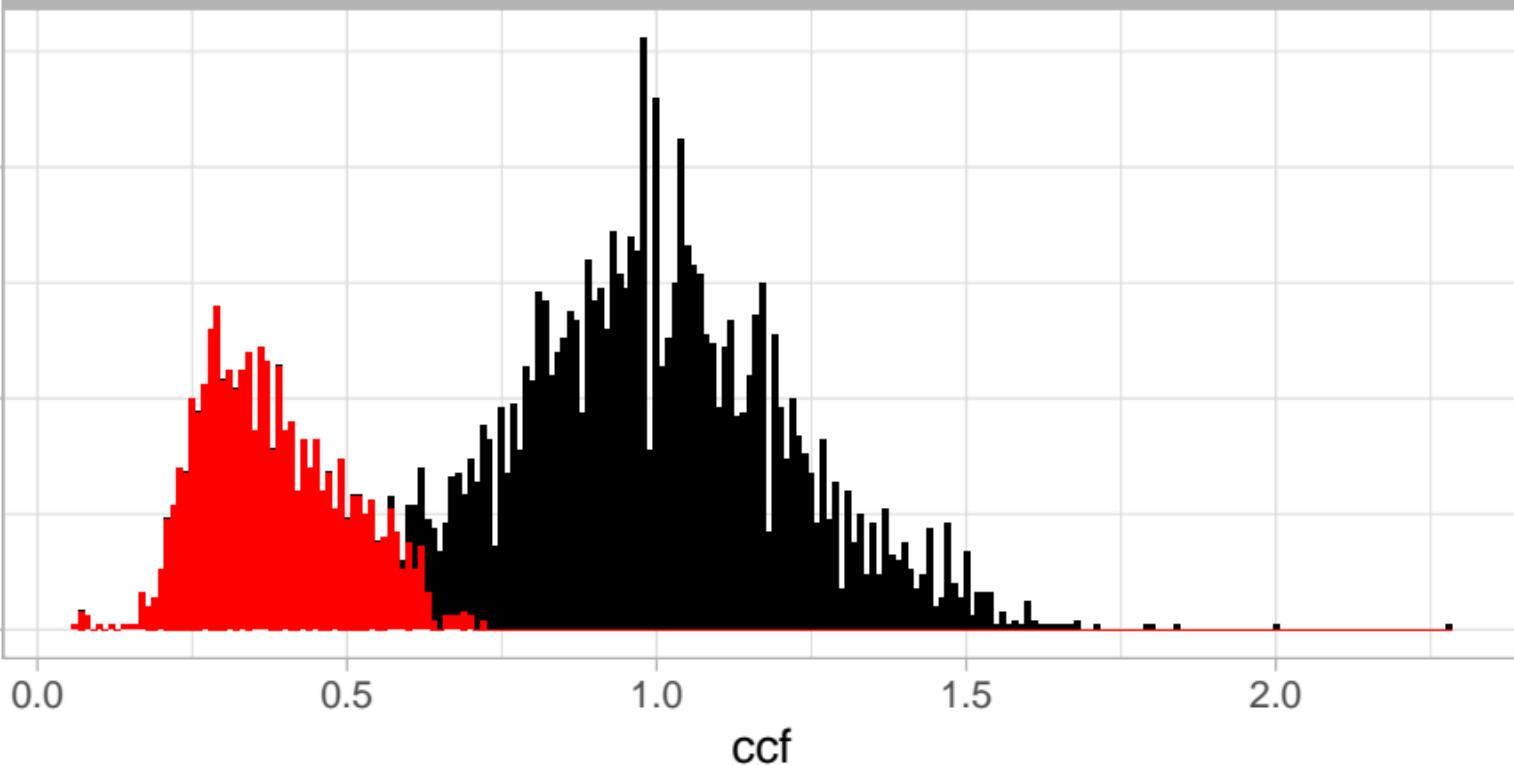
0.5

1.5

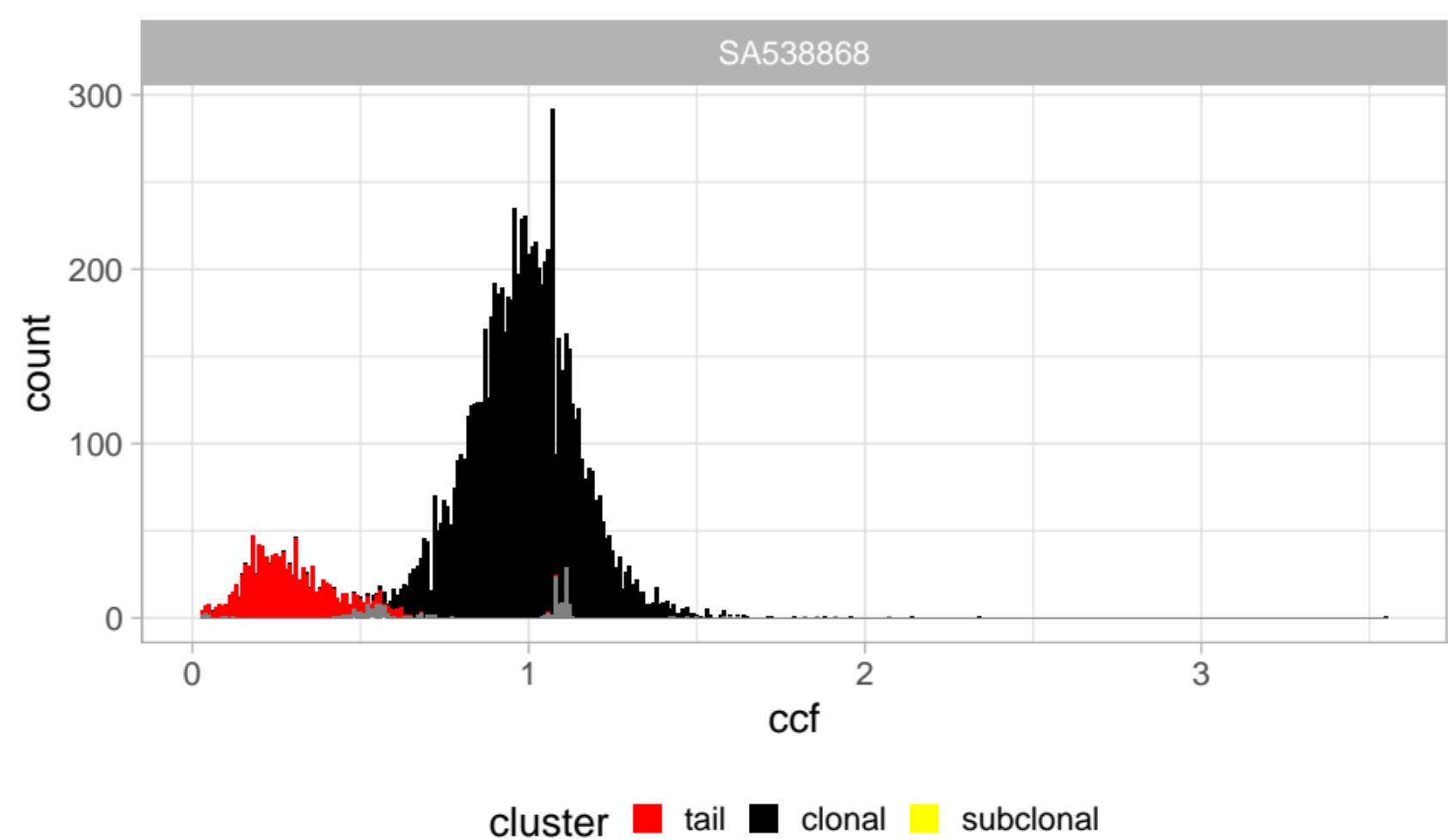
2.0

ccf

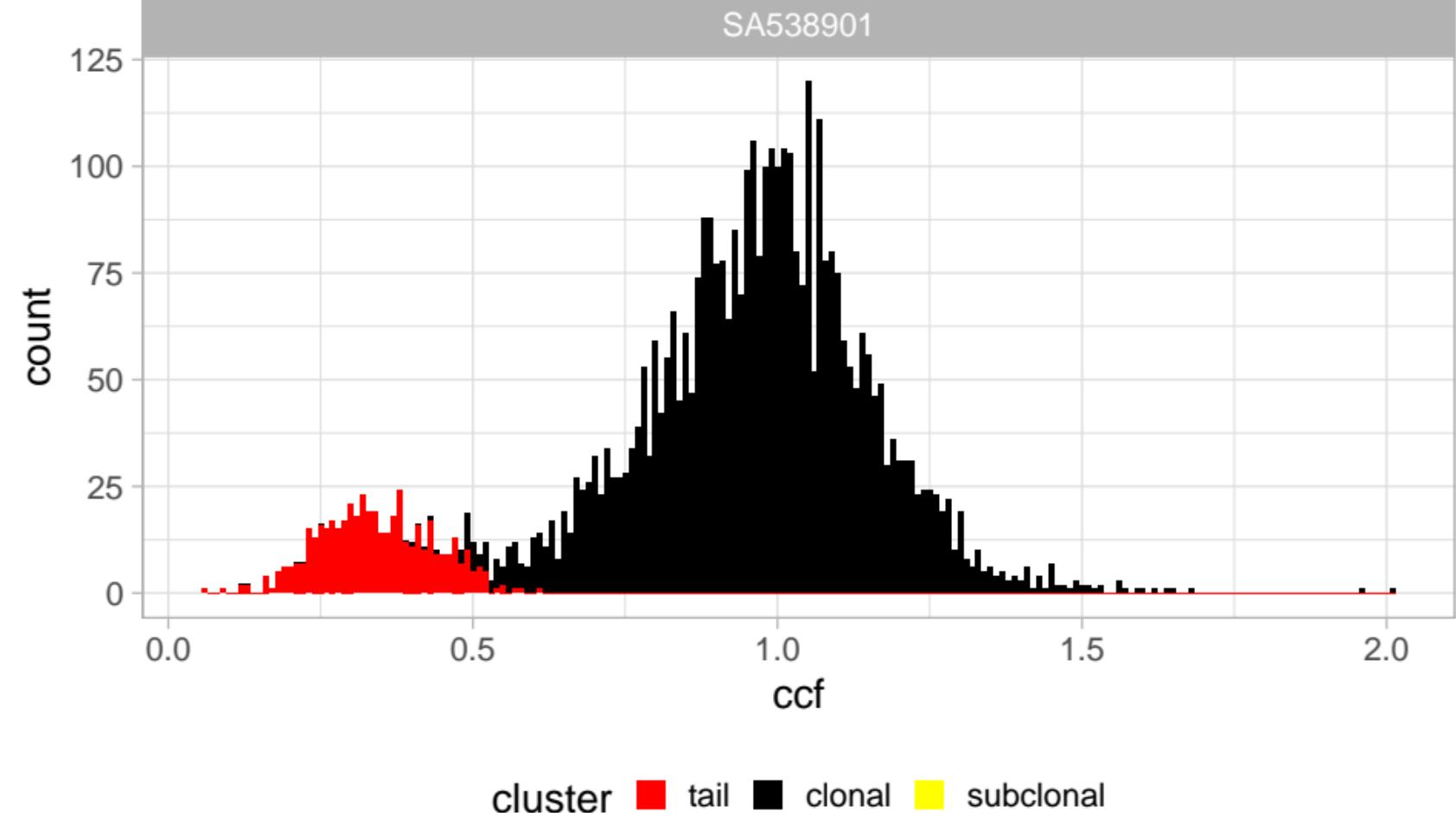
cluster tail clonal subclonal



SA538868



SA538901



SA538898

count

300

200

100

0

0.0

0.5

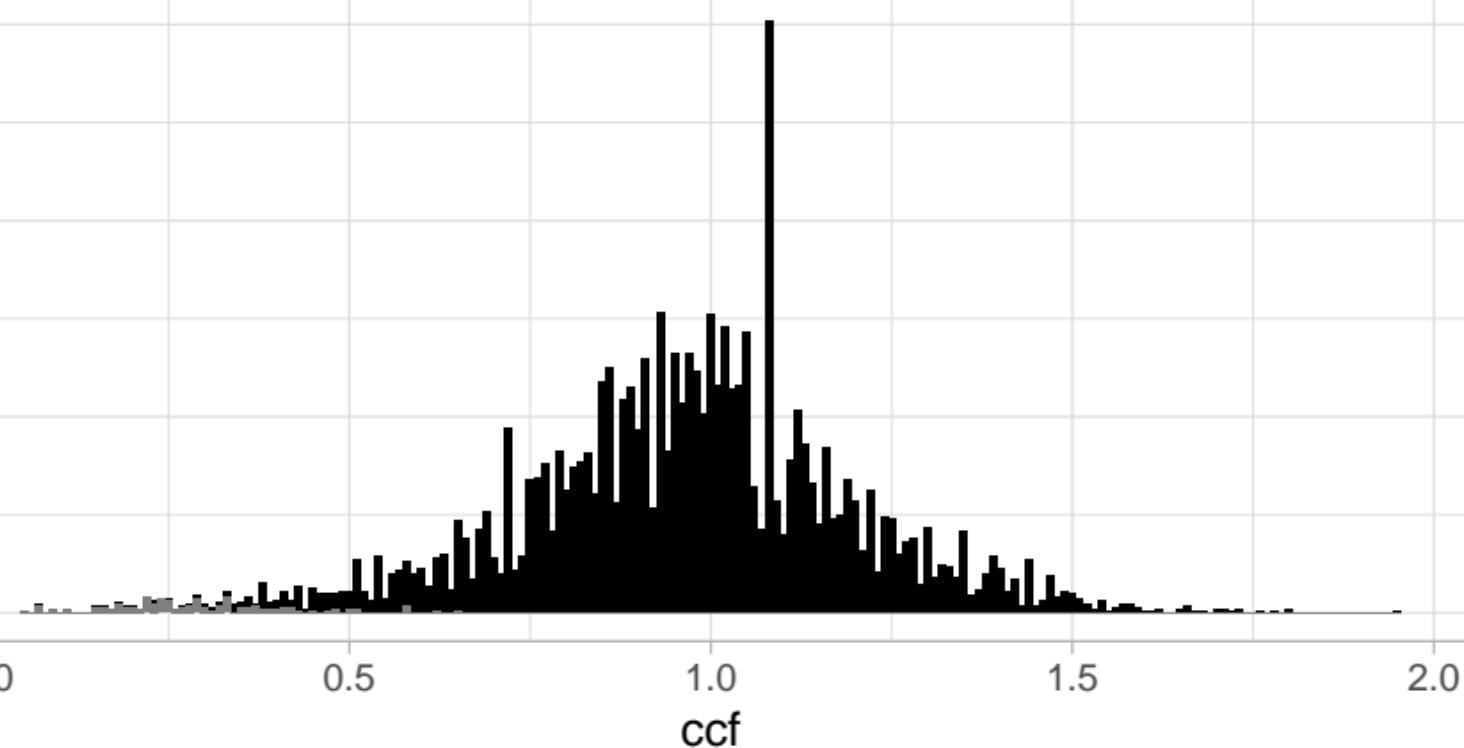
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA538879

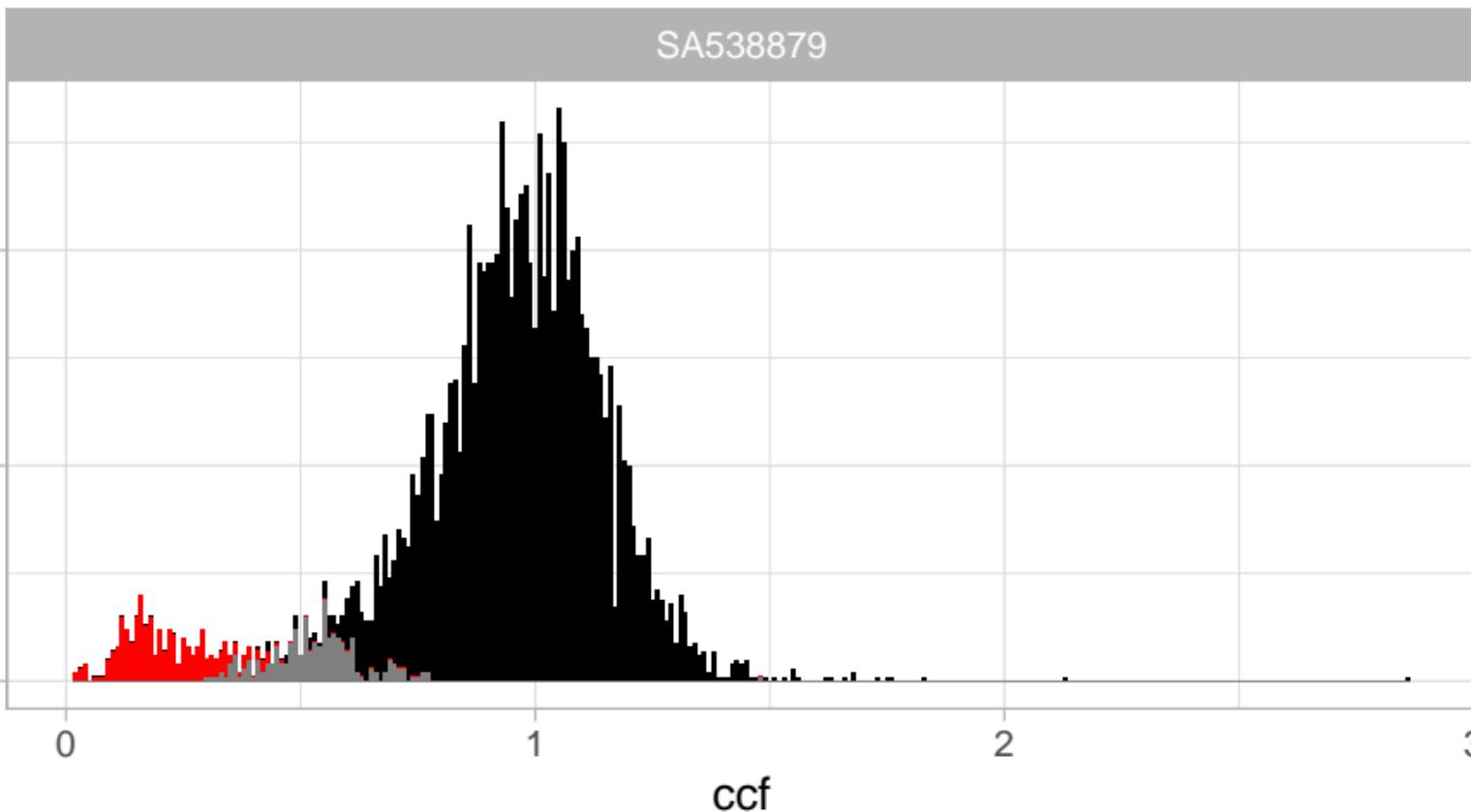
count

100
50
0

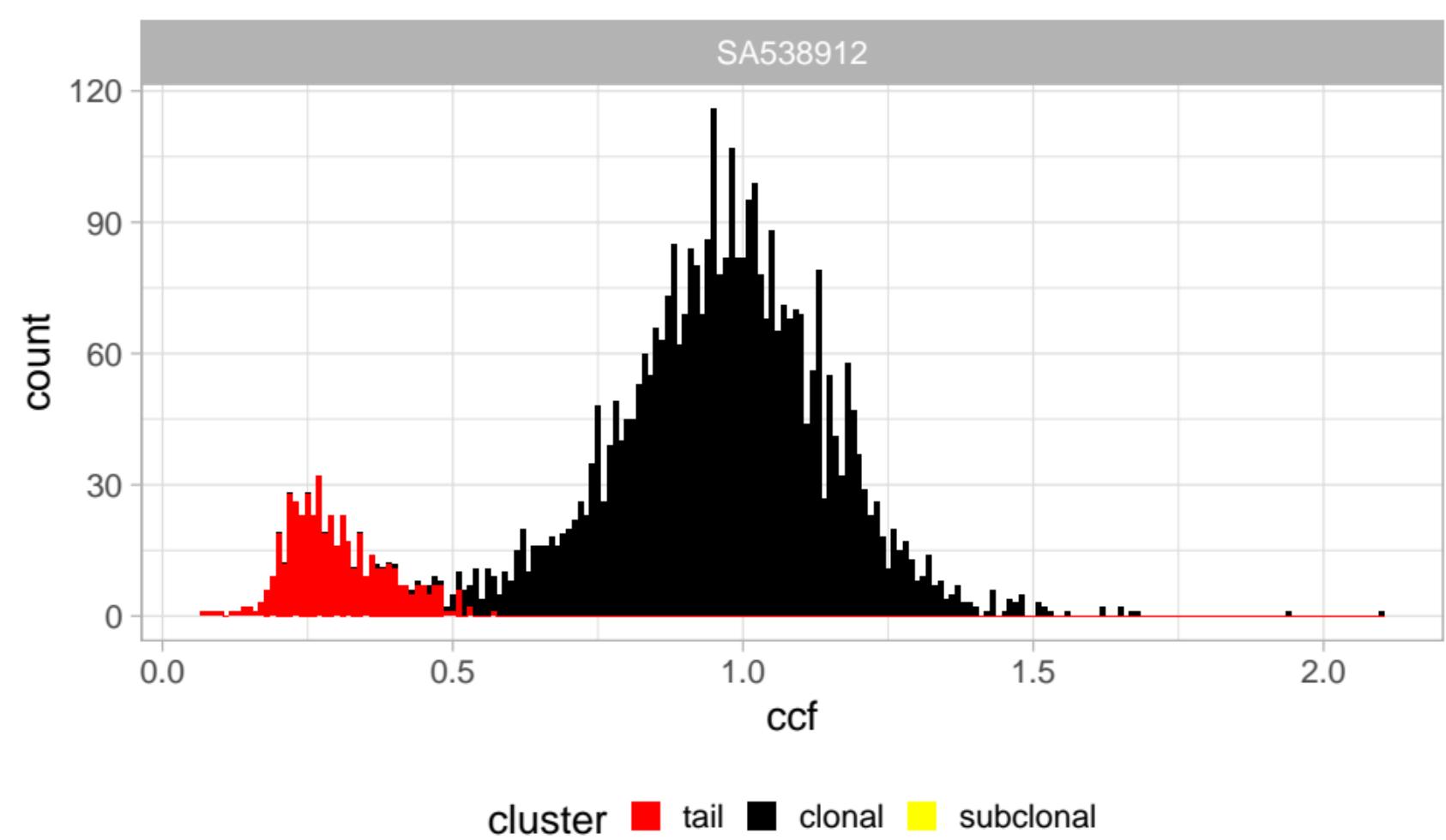
0 1 2 3

ccf

cluster tail clonal subclonal



SA538912



SA538867

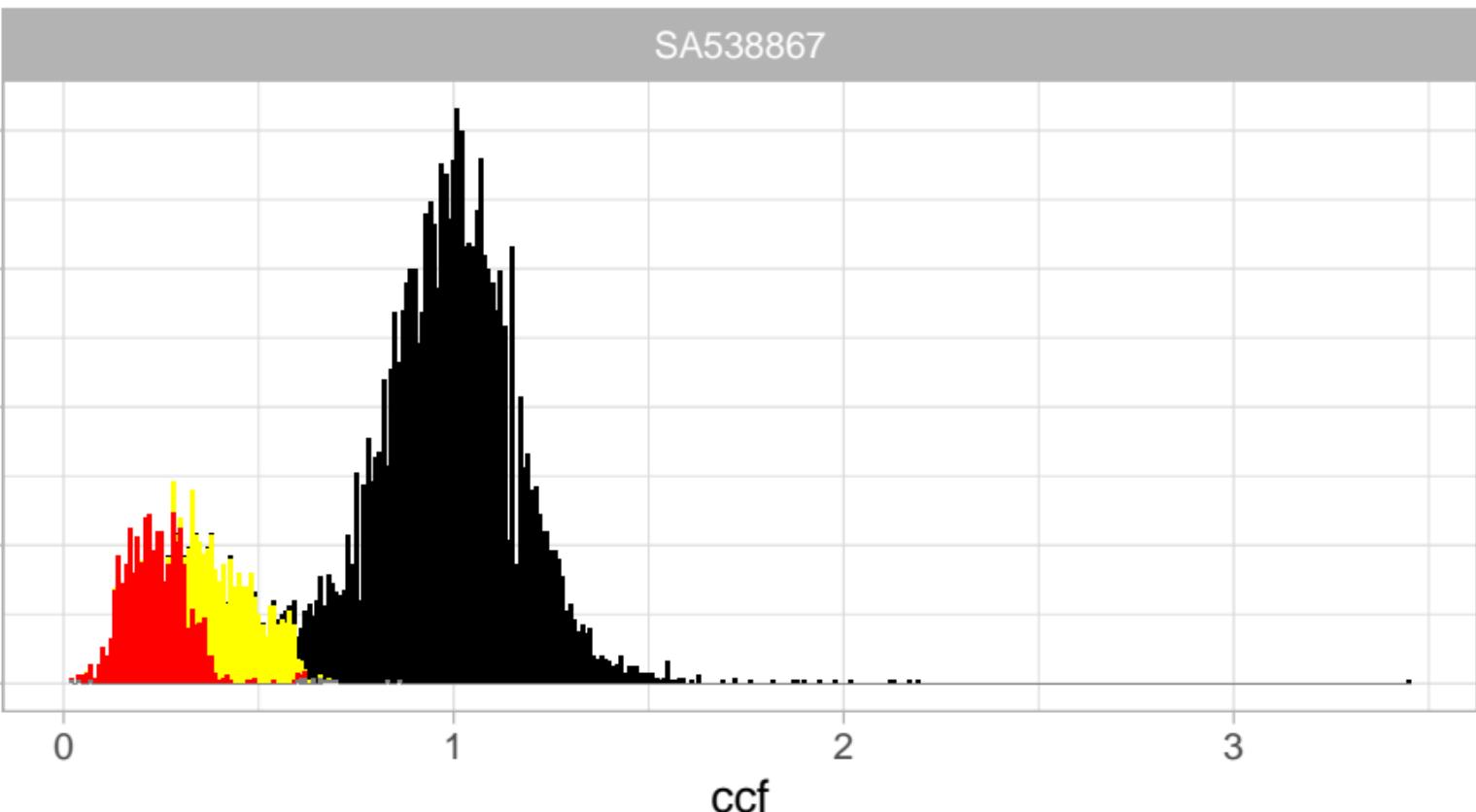
count

200
150
100
50
0

0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538917

count

150
100
50
0

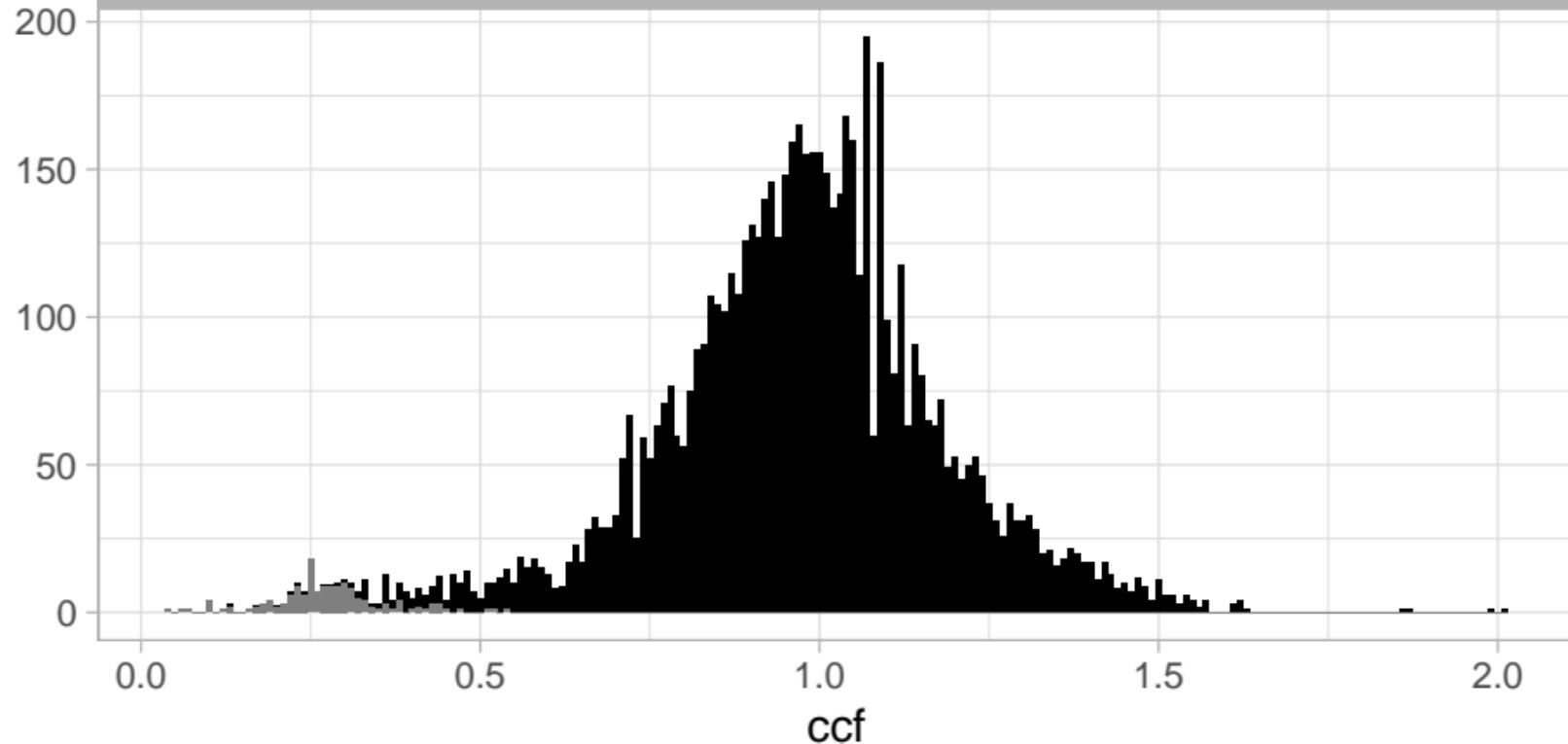
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538914

count



cluster tail clonal subclonal

SA538862

count

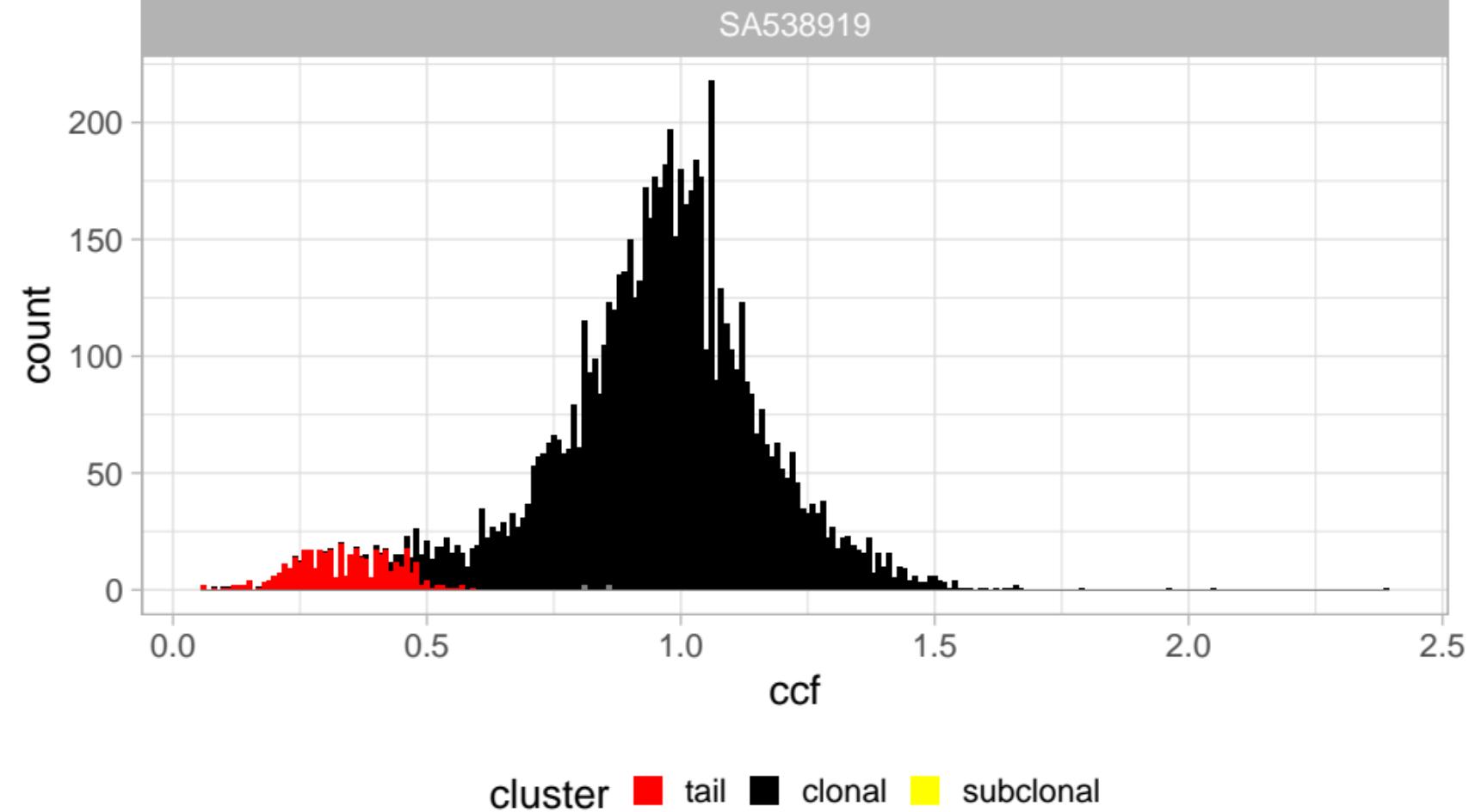
200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538919



SA538869

count

100

75

50

25

0

0.0

0.5

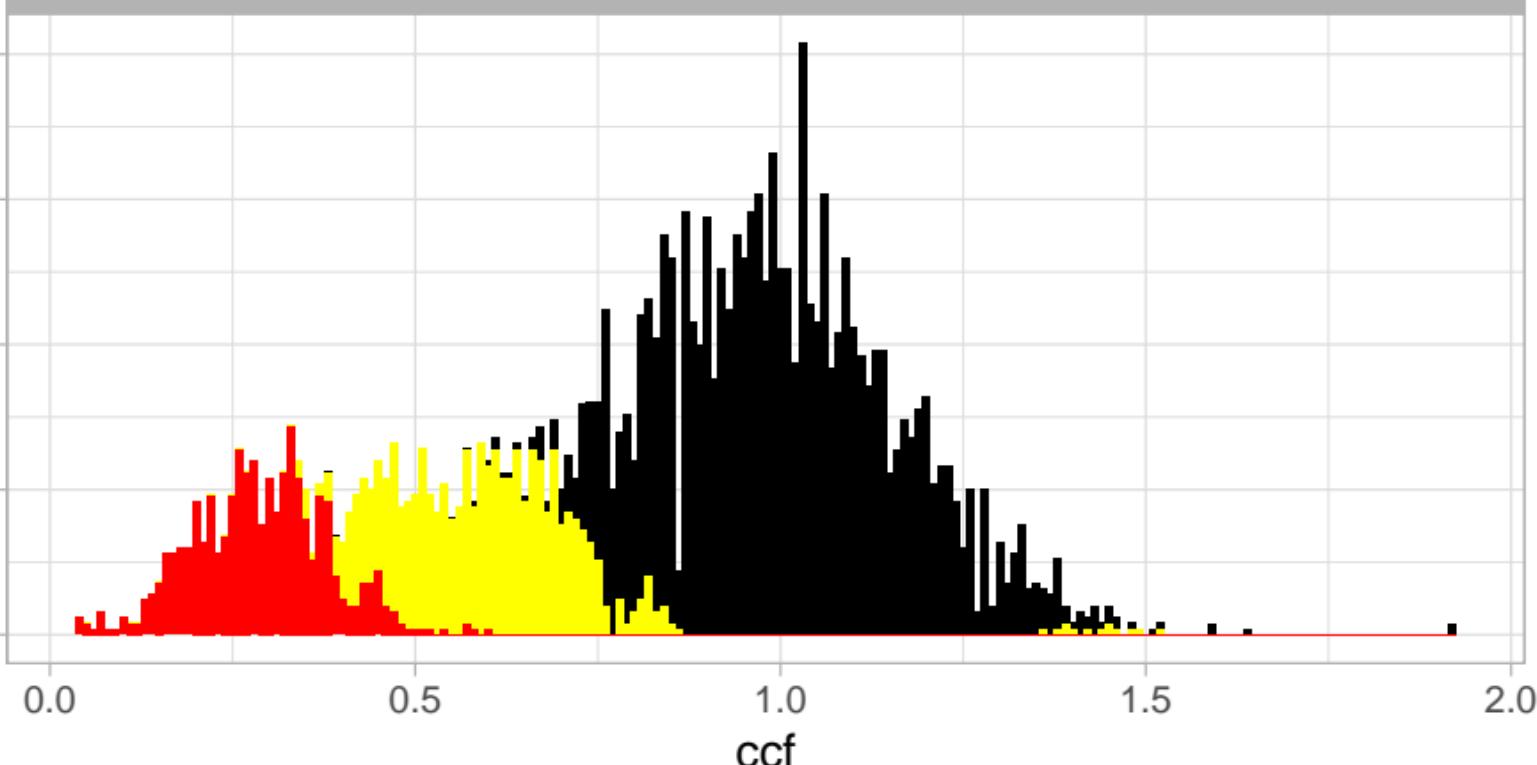
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538880

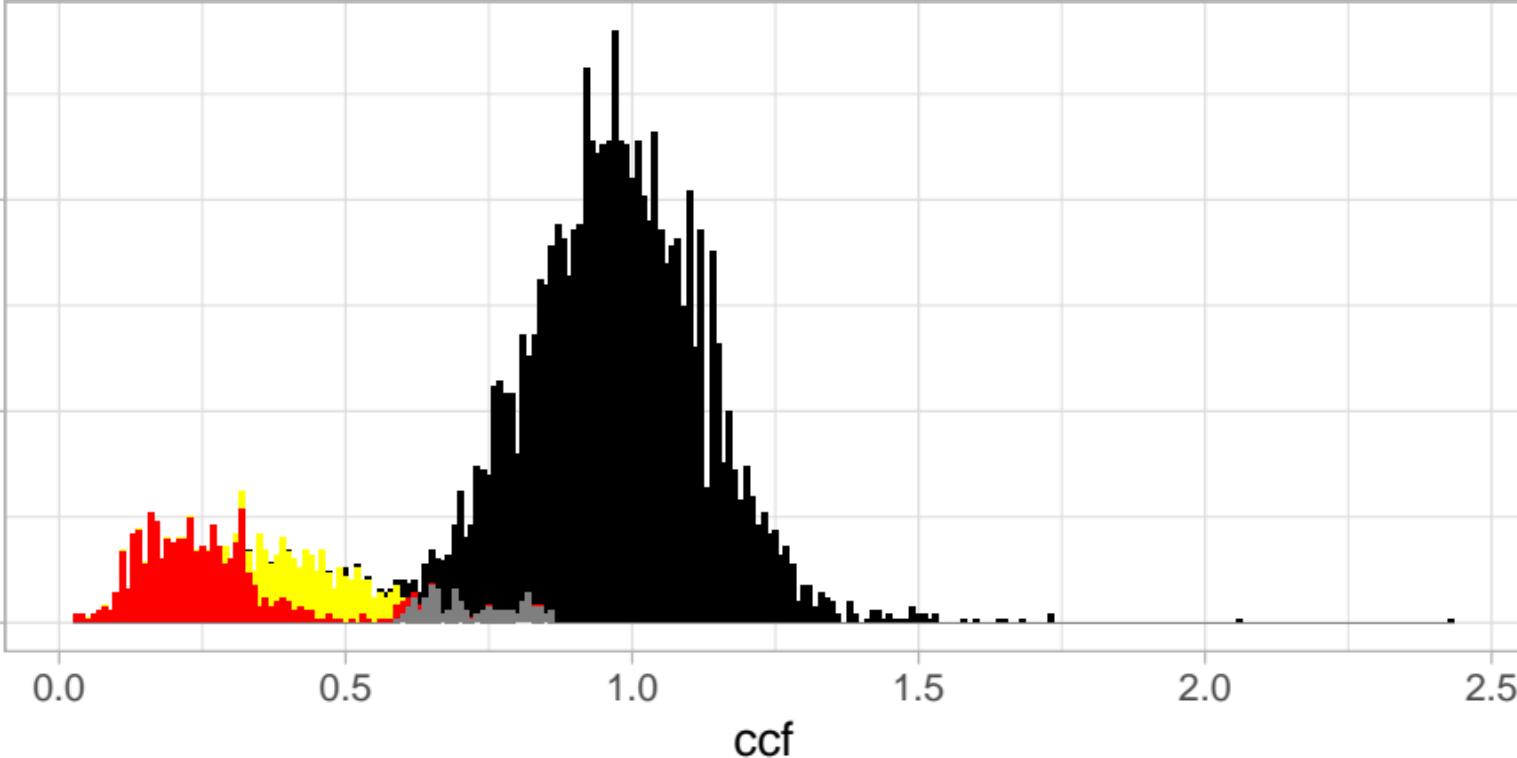
count

100
50
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538882

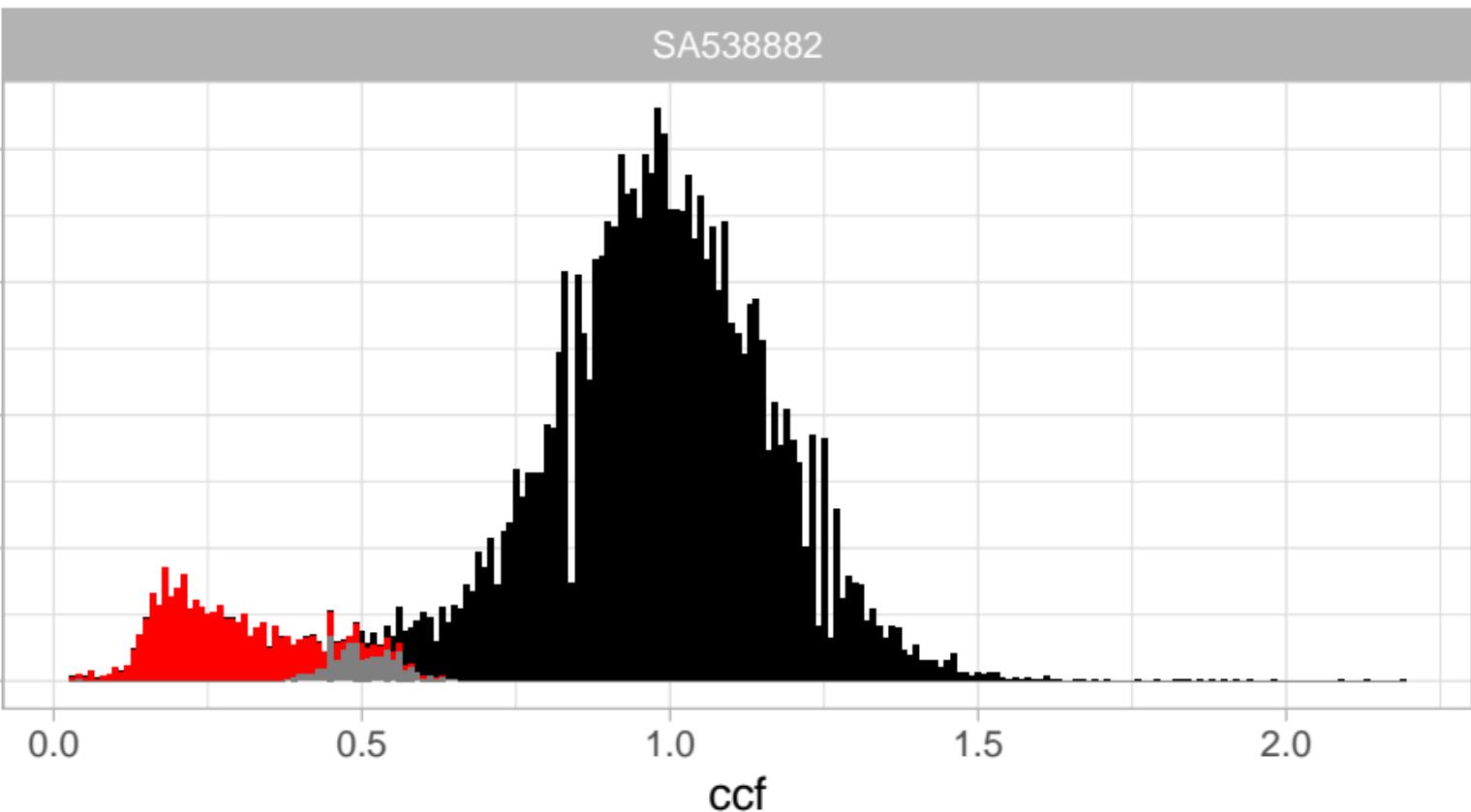
count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA538922

count

300
200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA538911

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA538885

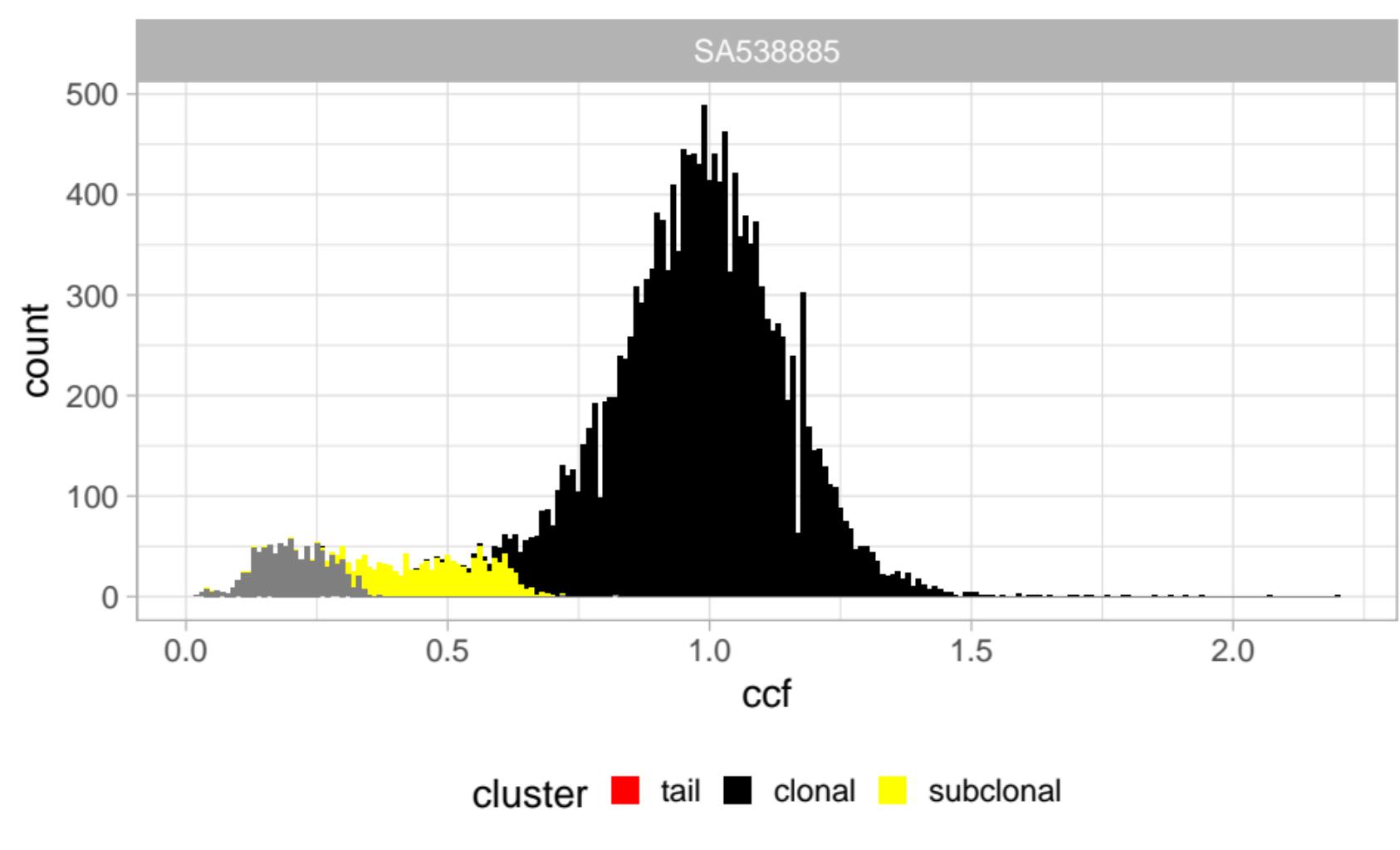
count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA538871

count

150

100

50

0

0.0

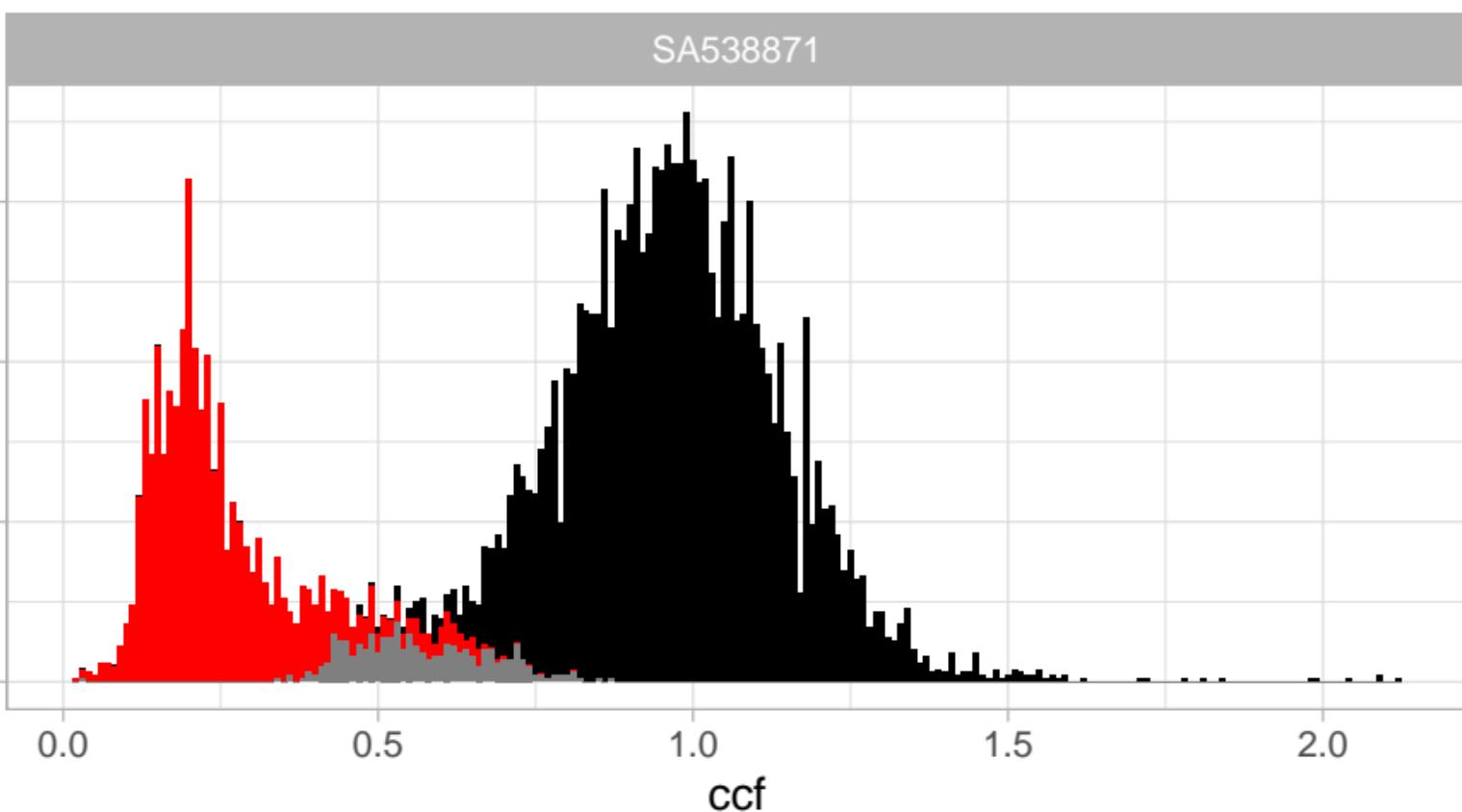
0.5

1.5

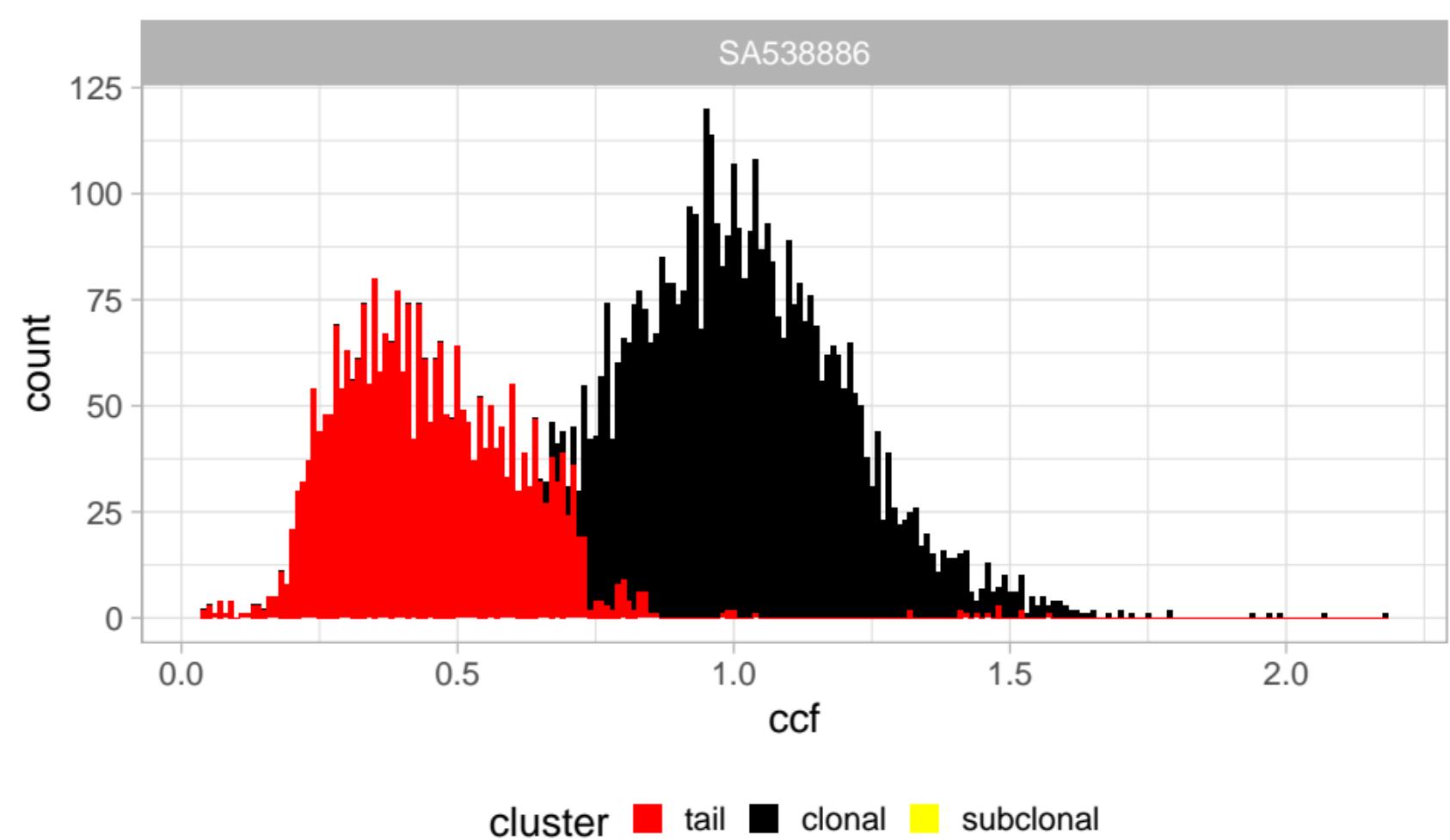
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538886



SA538921

count

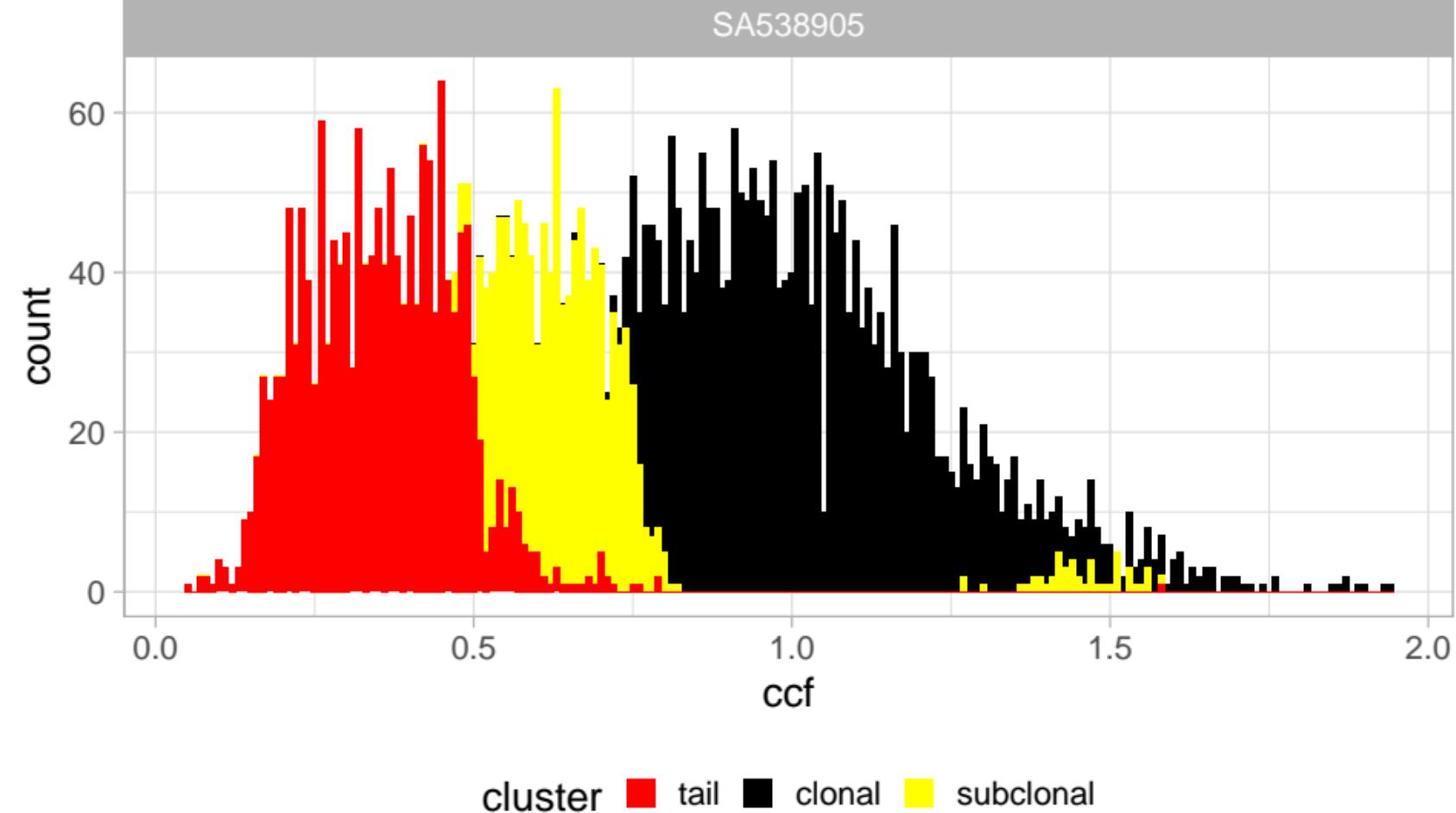
150
100
50
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA538905



SA538864

count

120
90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538870

count

100

75

50

25

0

0.0

0.5

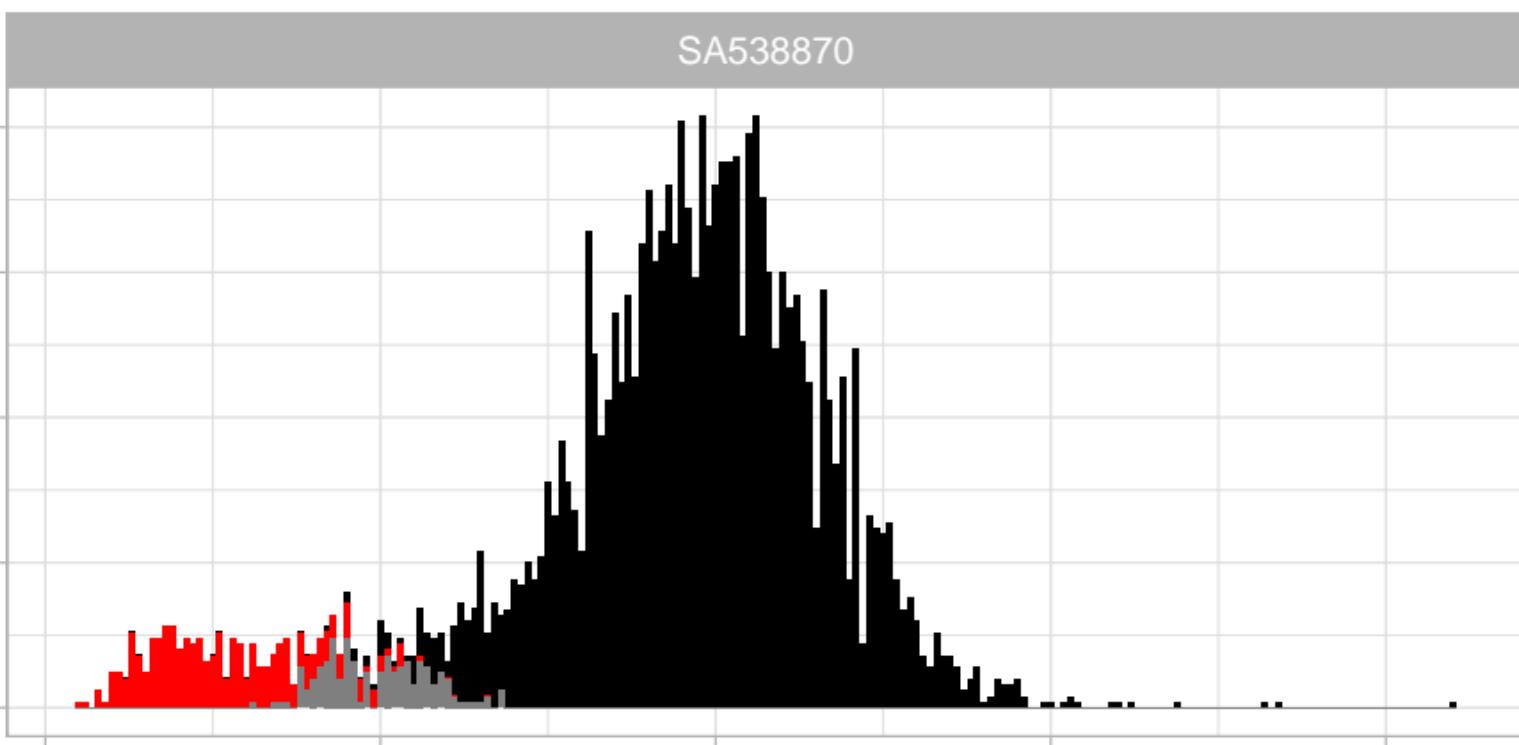
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538872

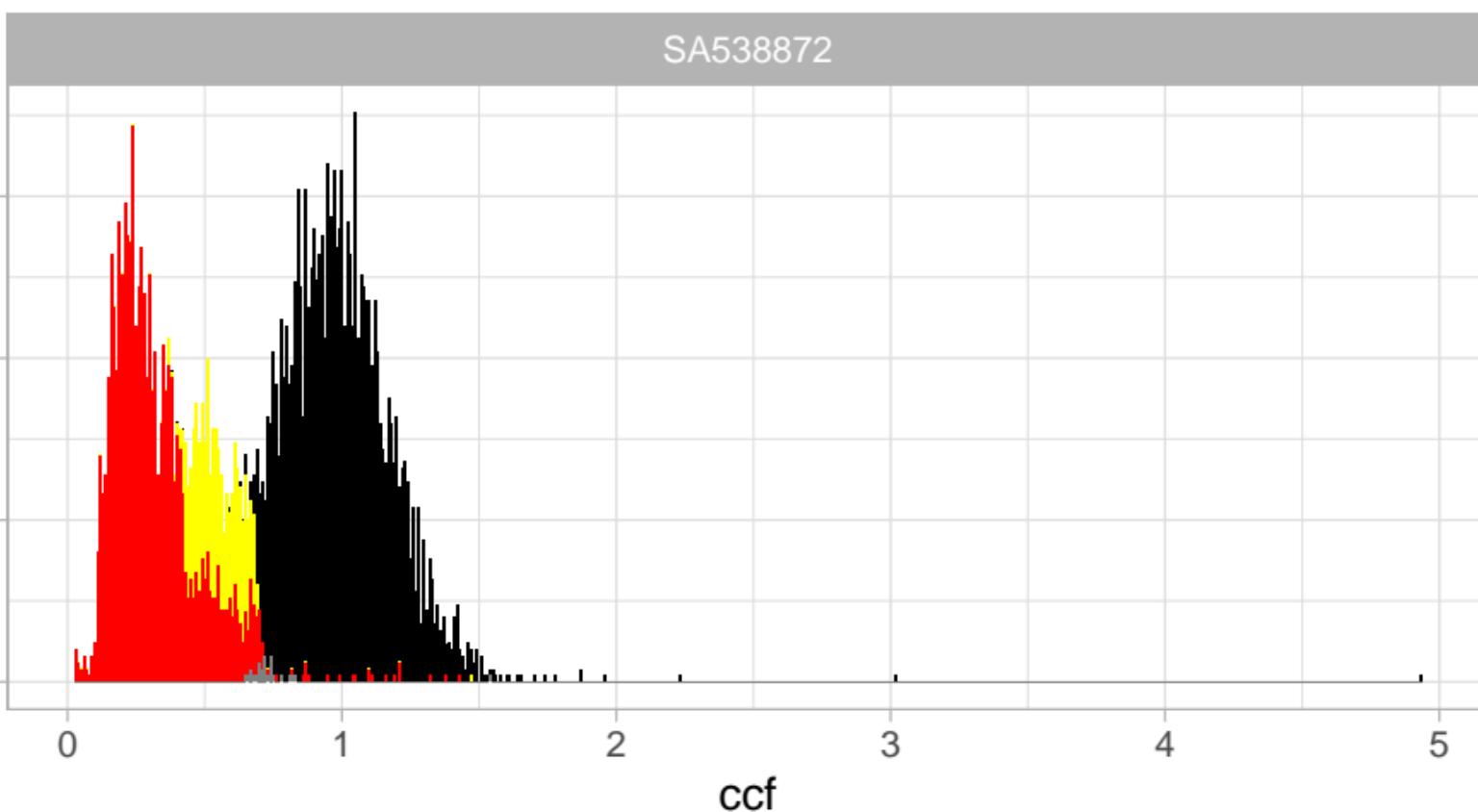
count

75
50
25
0

0 1 2 3 4 5

ccf

cluster tail clonal subclonal



SA538876

count

120

90

60

30

0

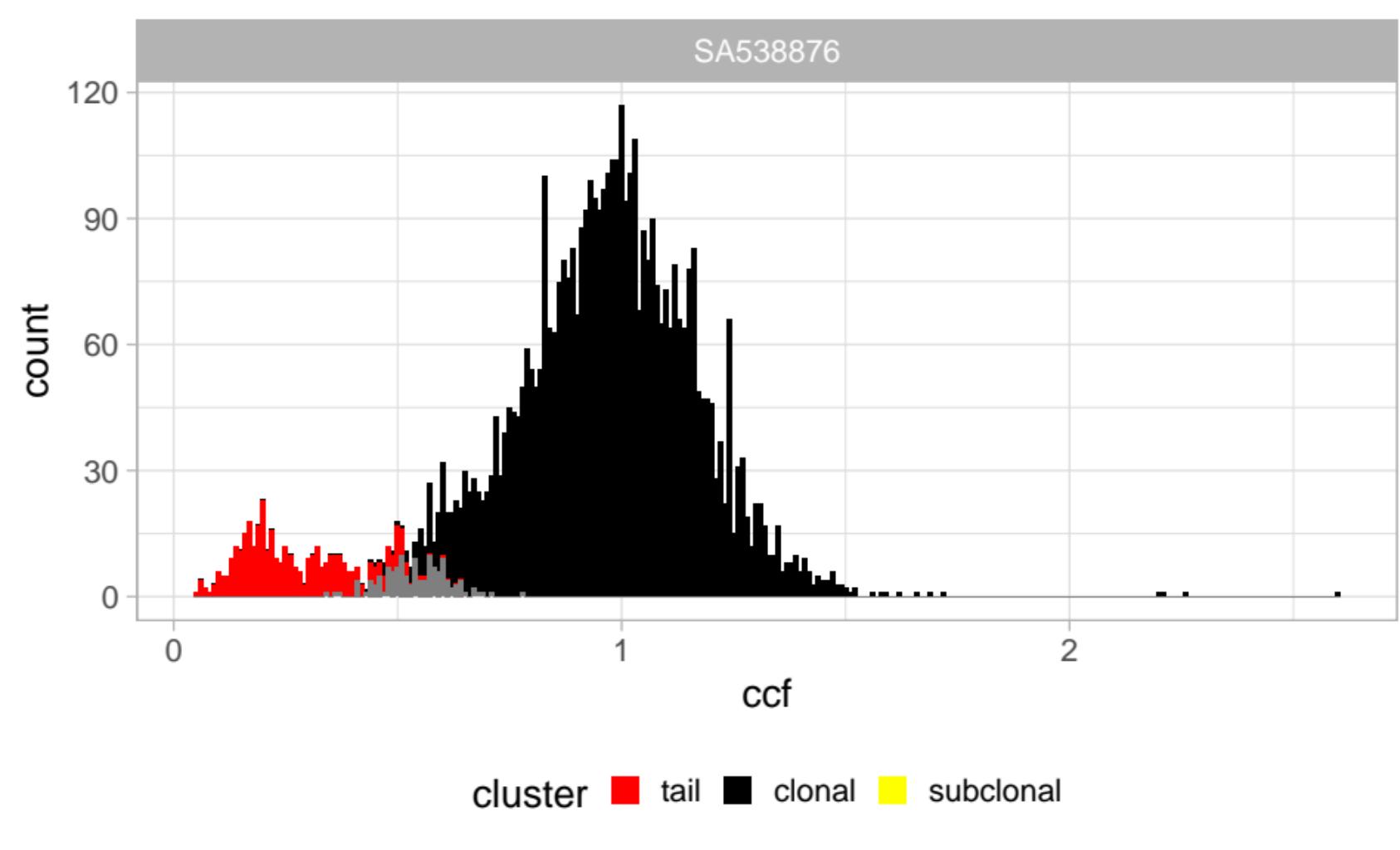
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538909

count

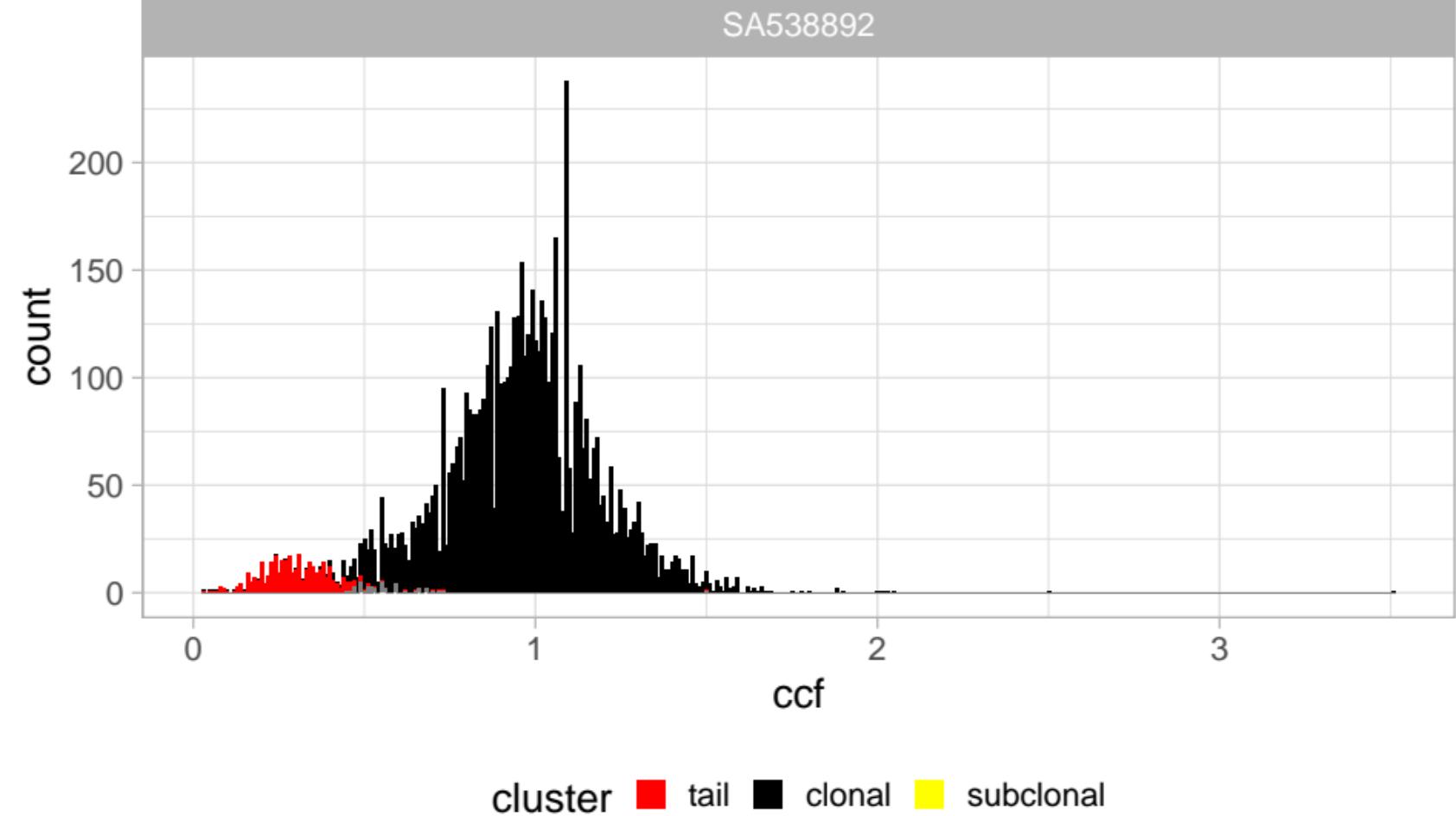
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538892



SA538915

count

300
200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA538918

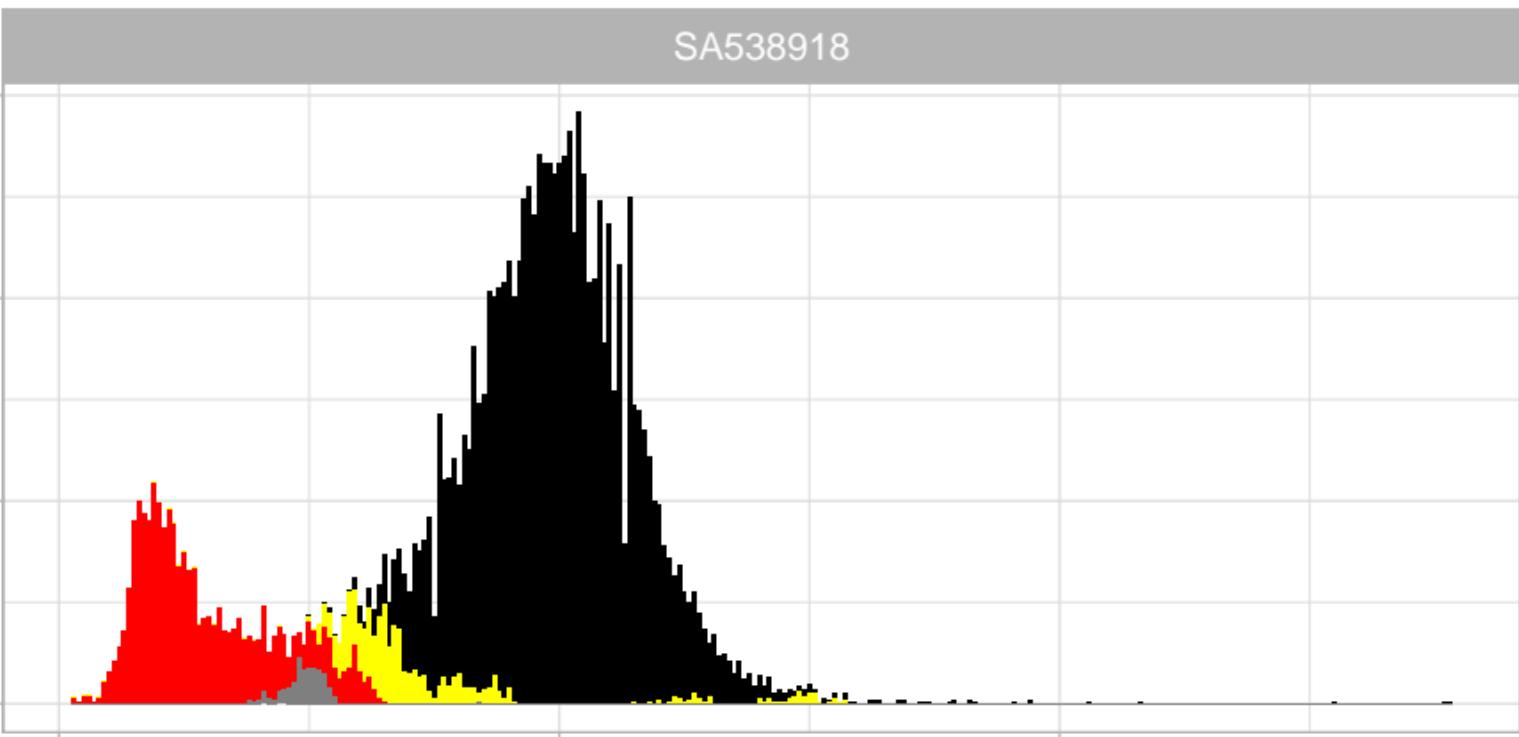
count

300
200
100
0

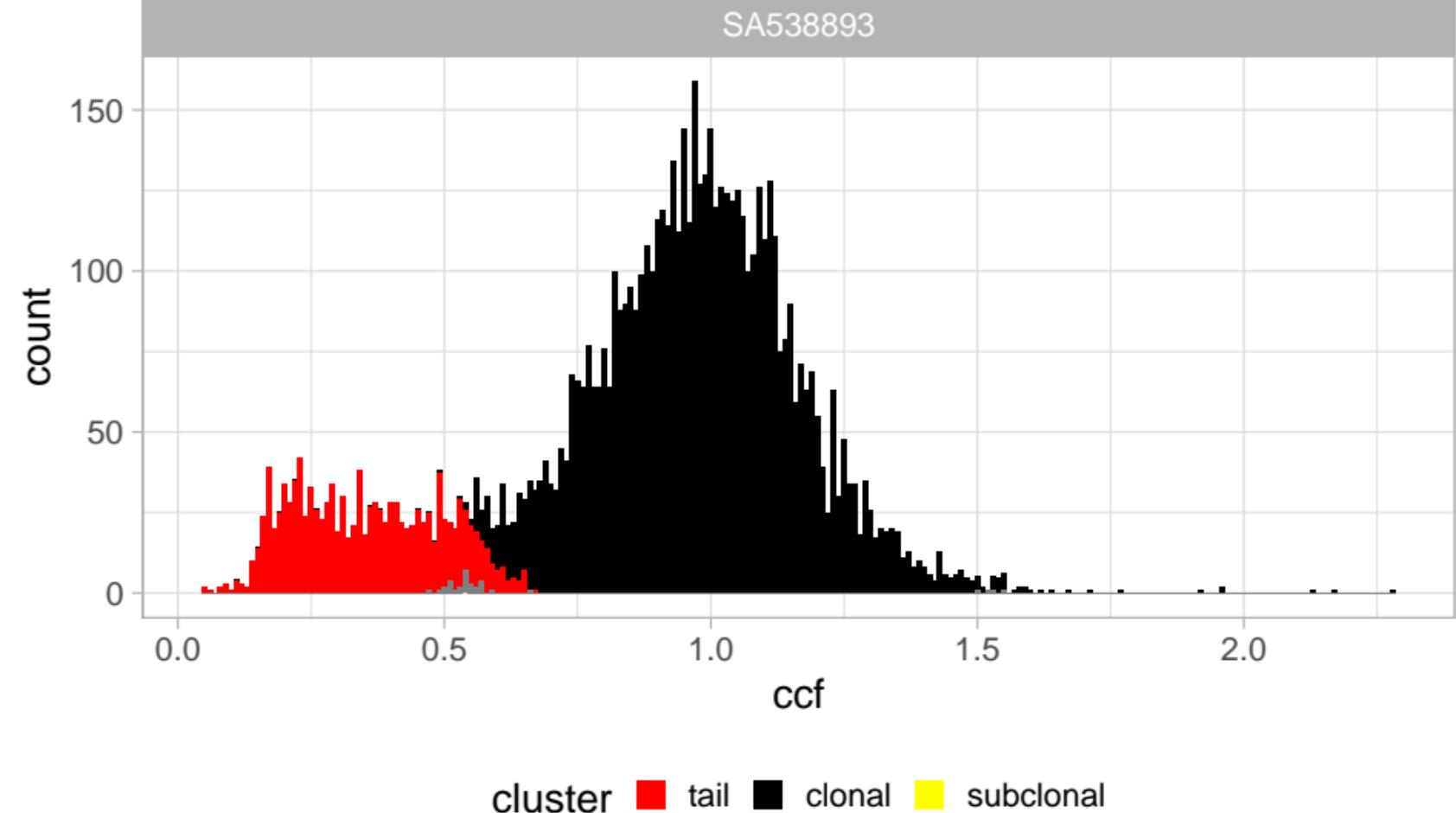
0 1 2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538893



cluster ■ tail ■ clonal ■ subclonal

SA538863

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538908

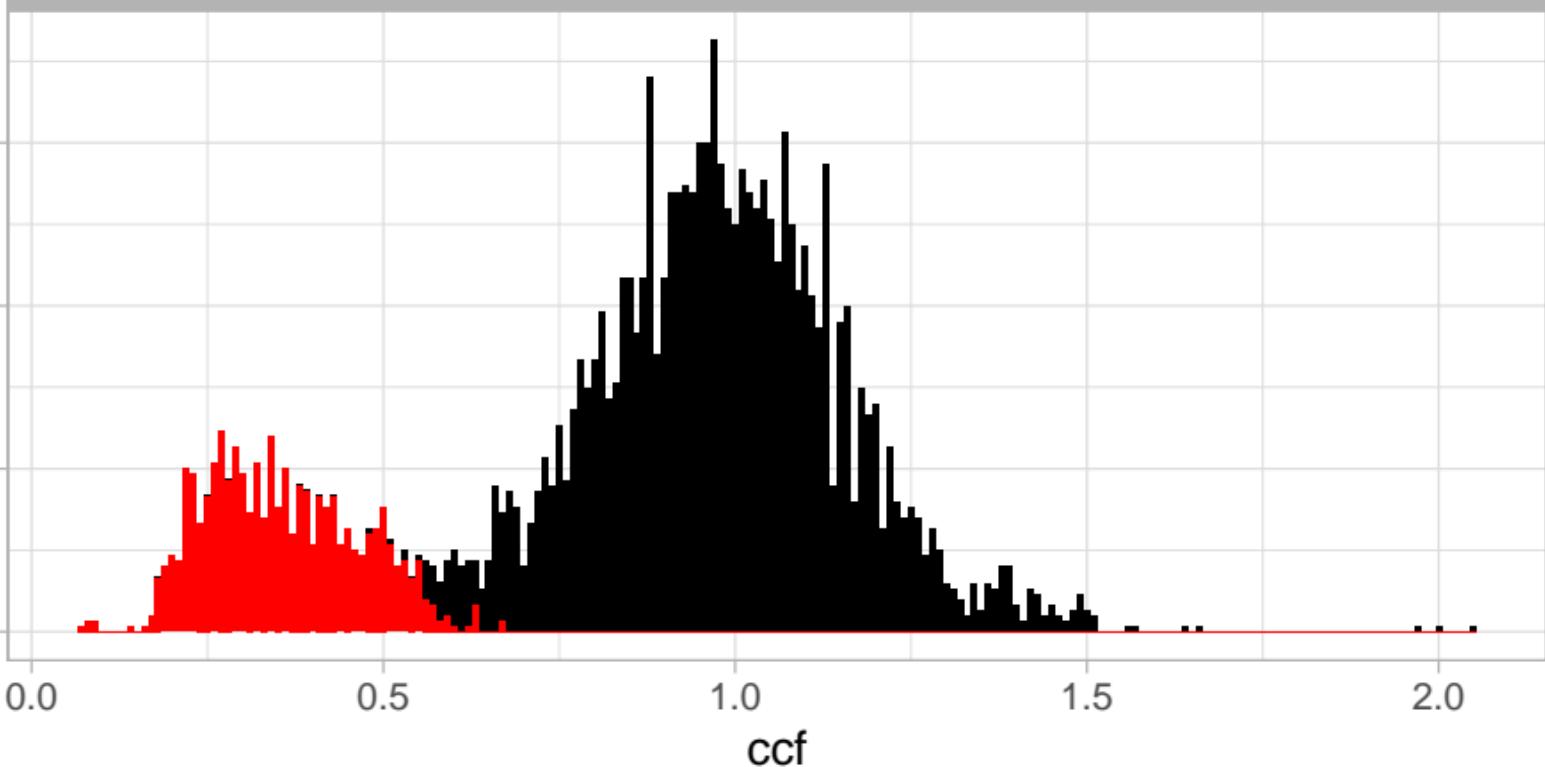
count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA538910

count

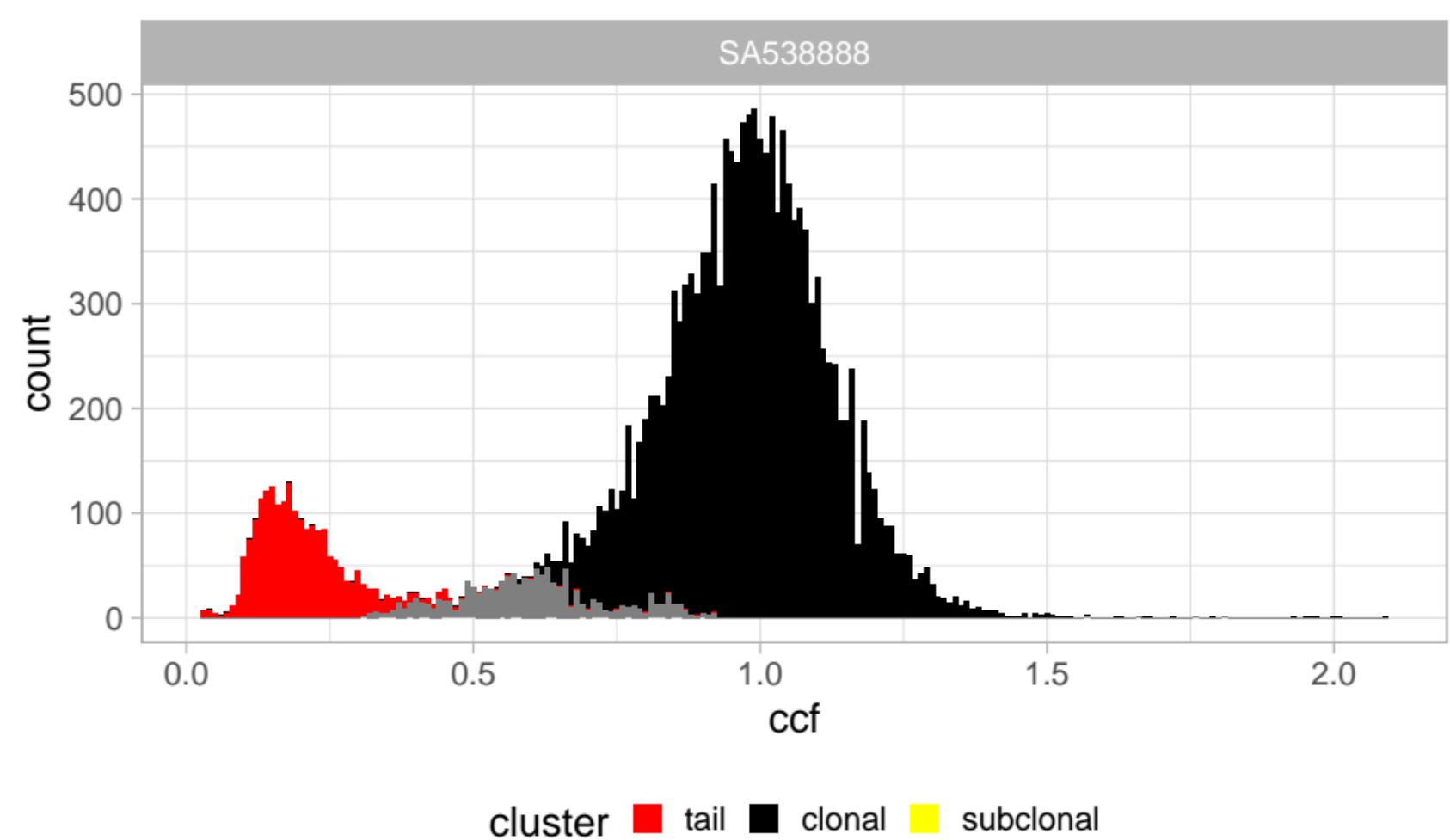
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538888



SA538906

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538878

count

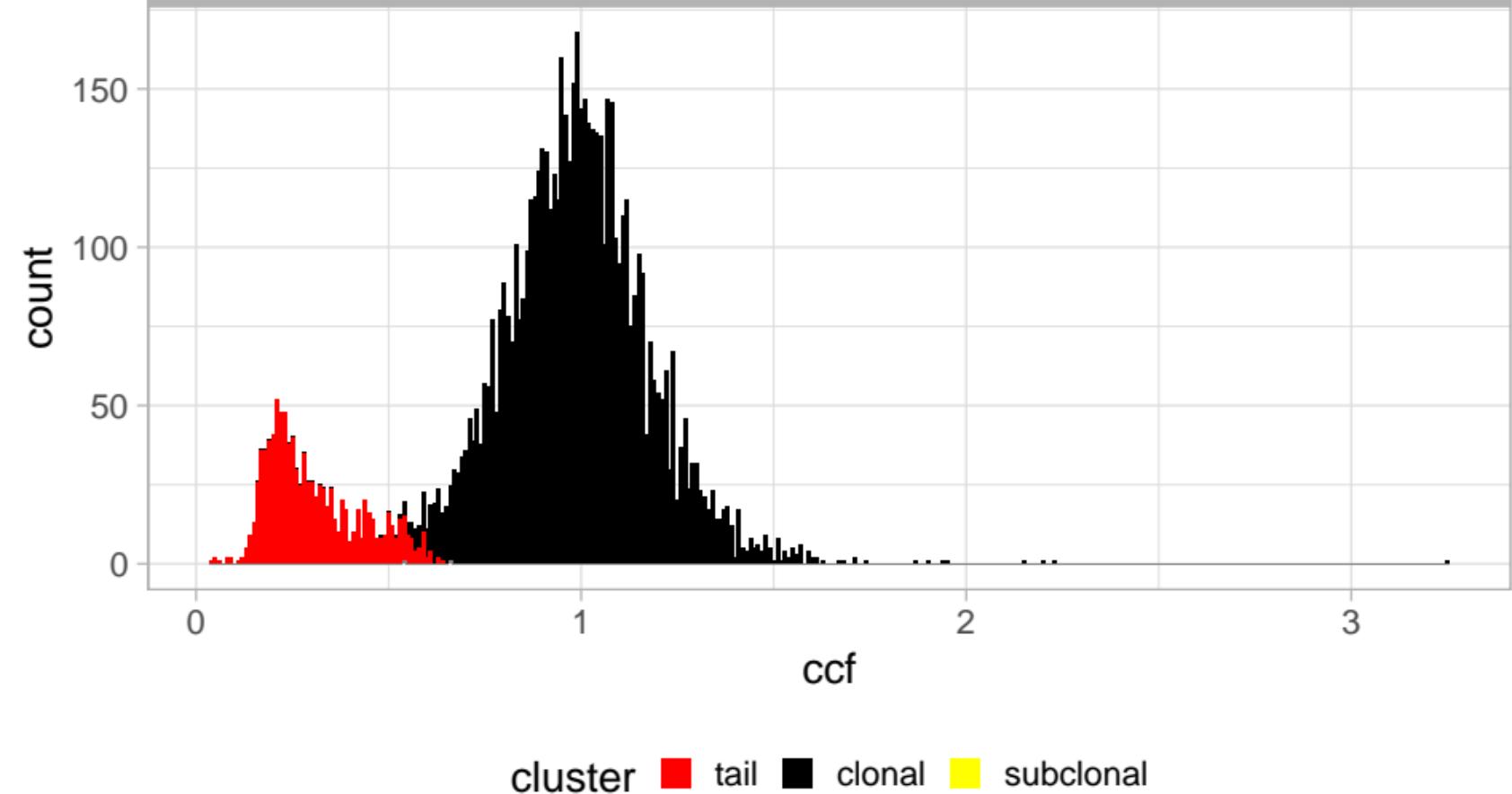
90
60
30
0

0.0 0.5 1.0 1.5 2.0

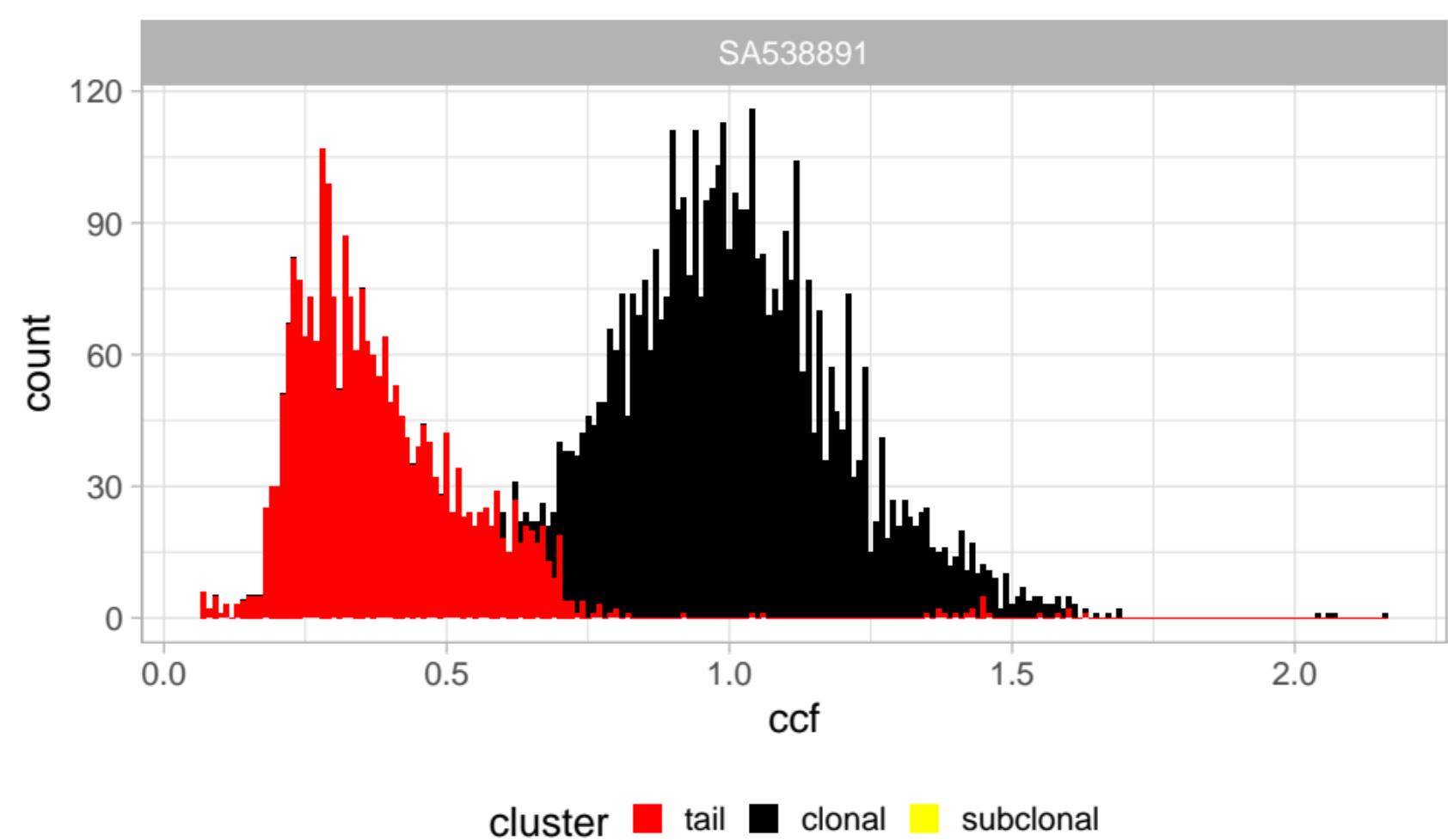
ccf

cluster tail clonal subclonal

SA538873



SA538891



SA538920

count

300

200

100

0

0

1

2

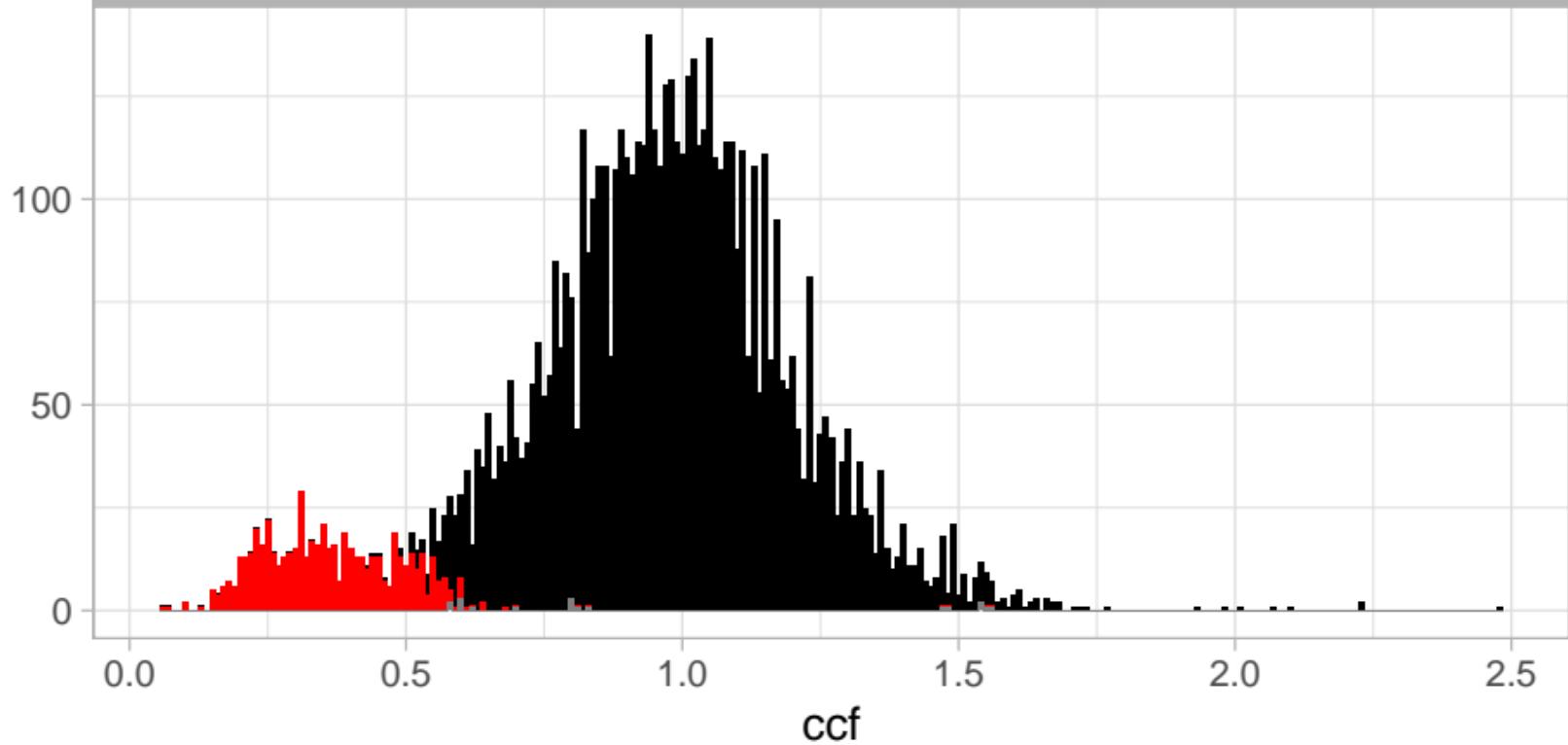
3

ccf

cluster tail clonal subclonal

SA538884

count



cluster ■ tail ■ clonal ■ subclonal

SA538889

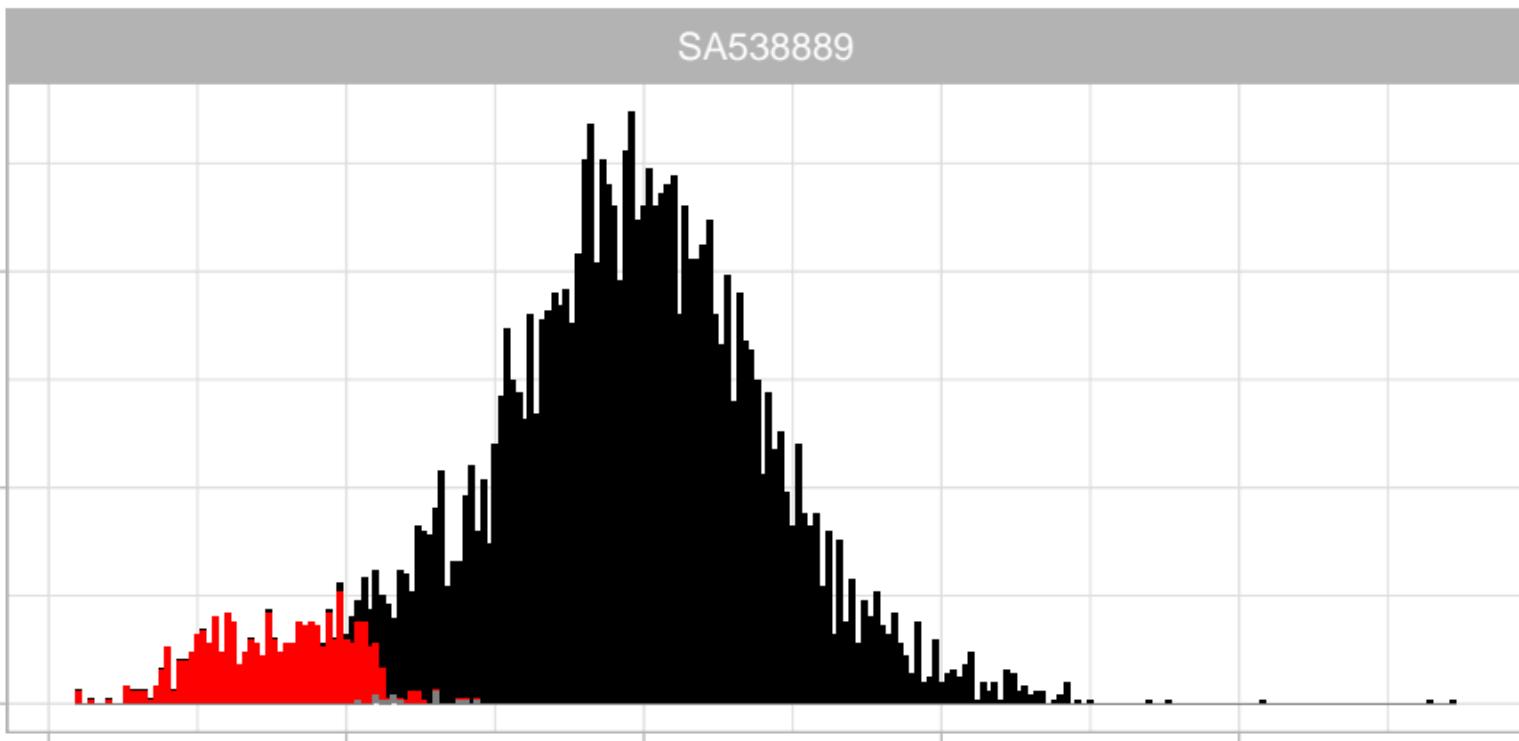
count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA538904

count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538887

count

90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA413896

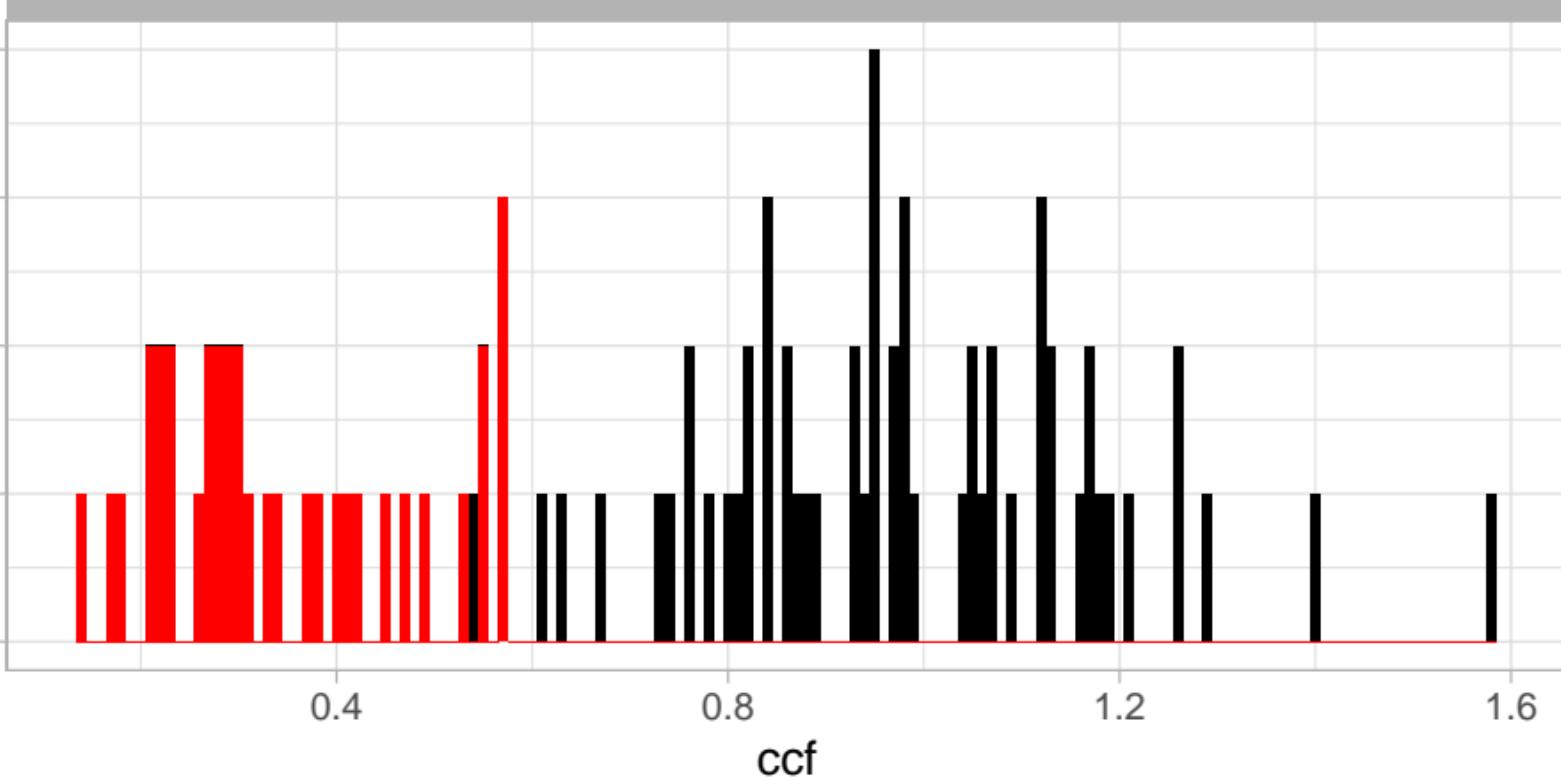
count

4
3
2
1
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA530604

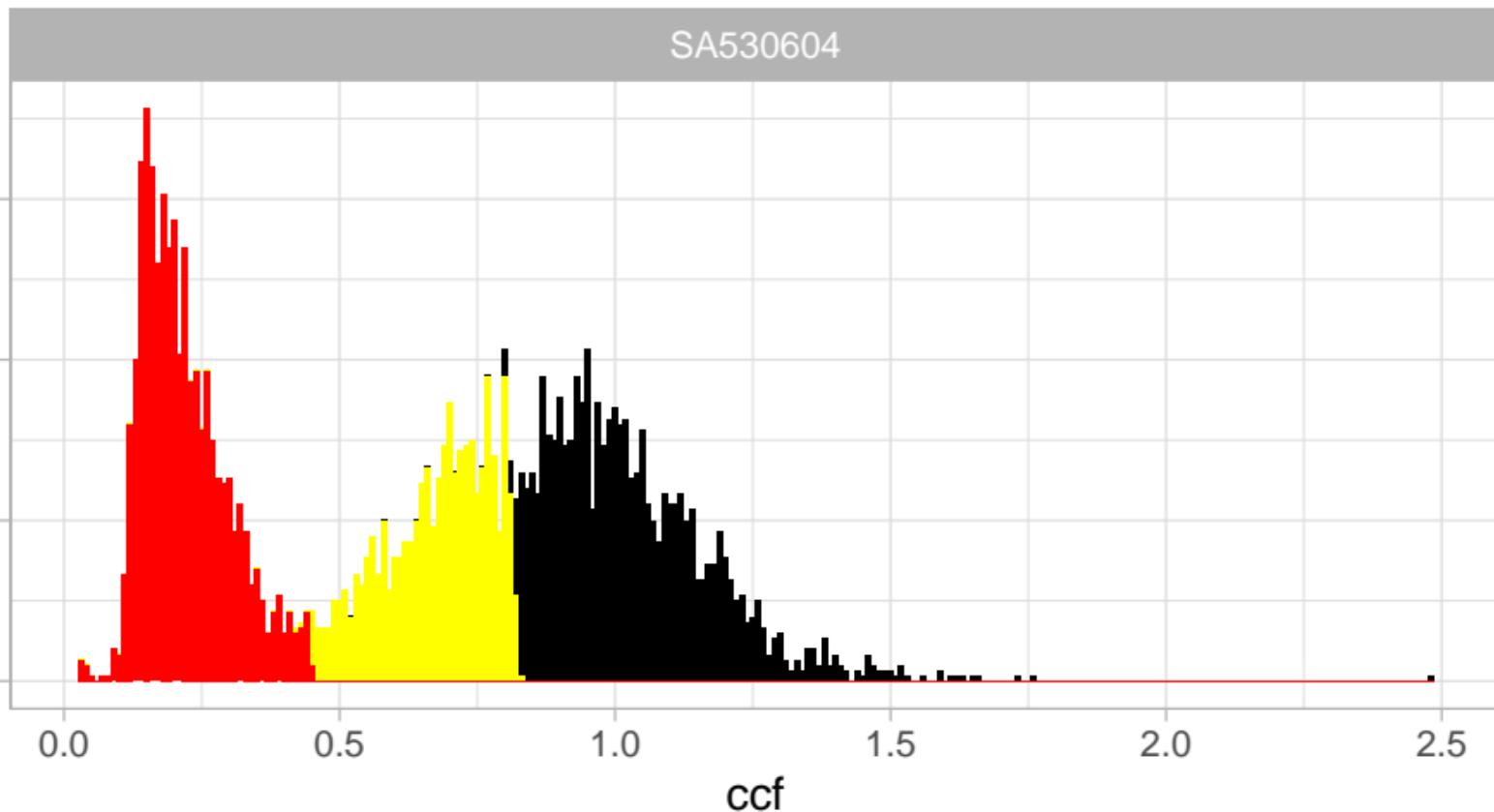
count

90
60
30
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA528674

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA505654

count

200

150

100

50

0

0.0

0.5

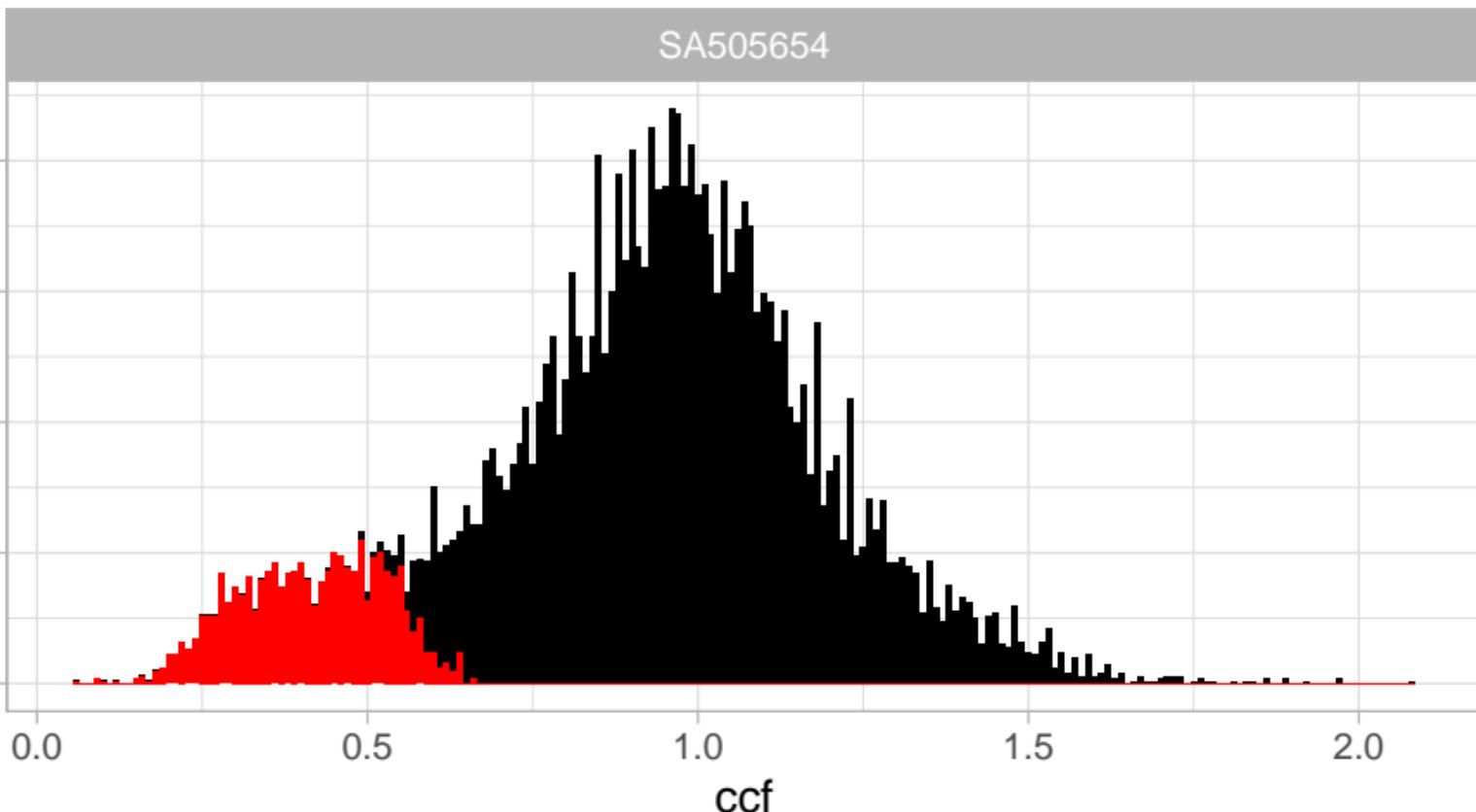
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542078

count

400

200

0

0.0

0.5

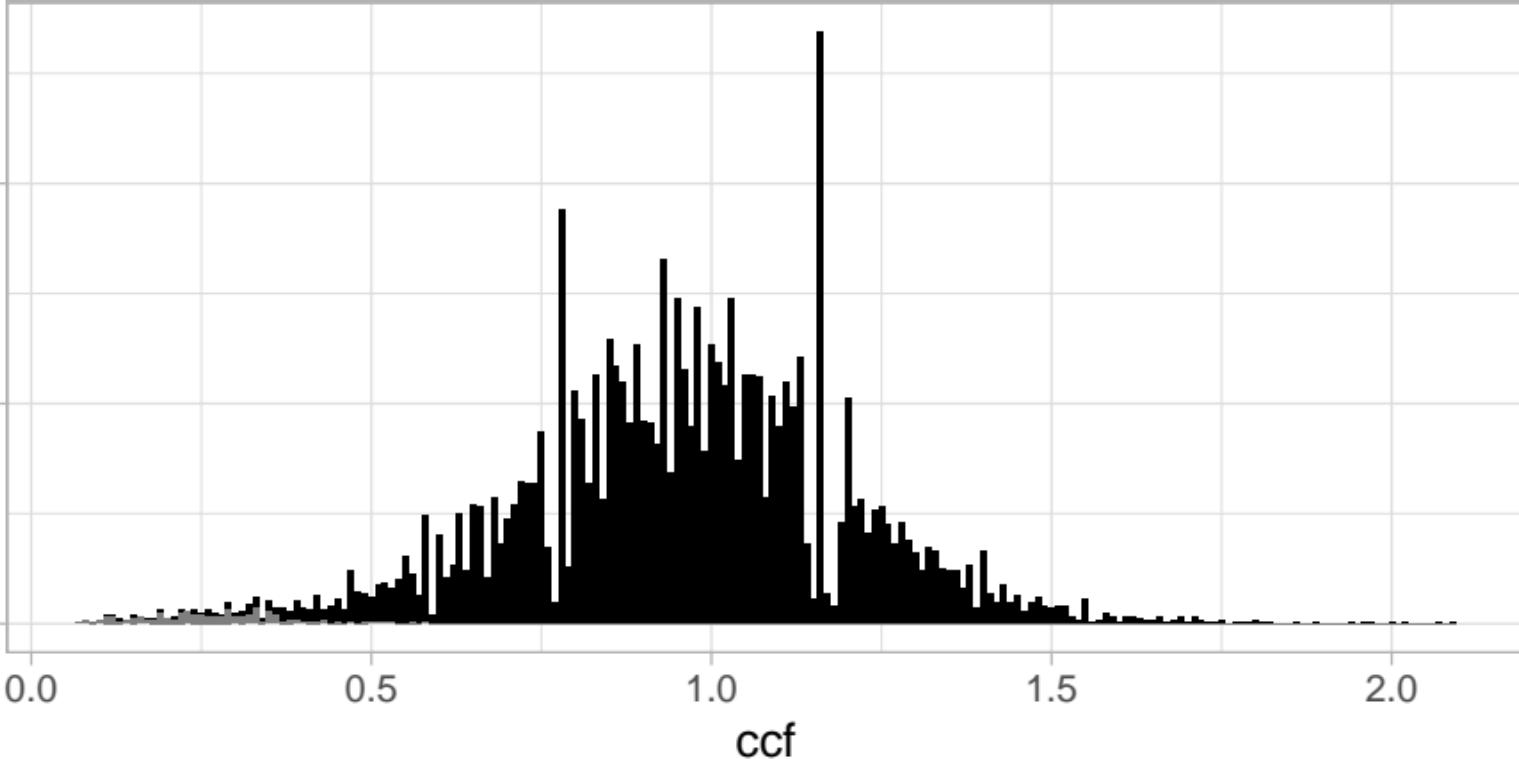
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA413350

count

120

80

40

0

0.0

0.5

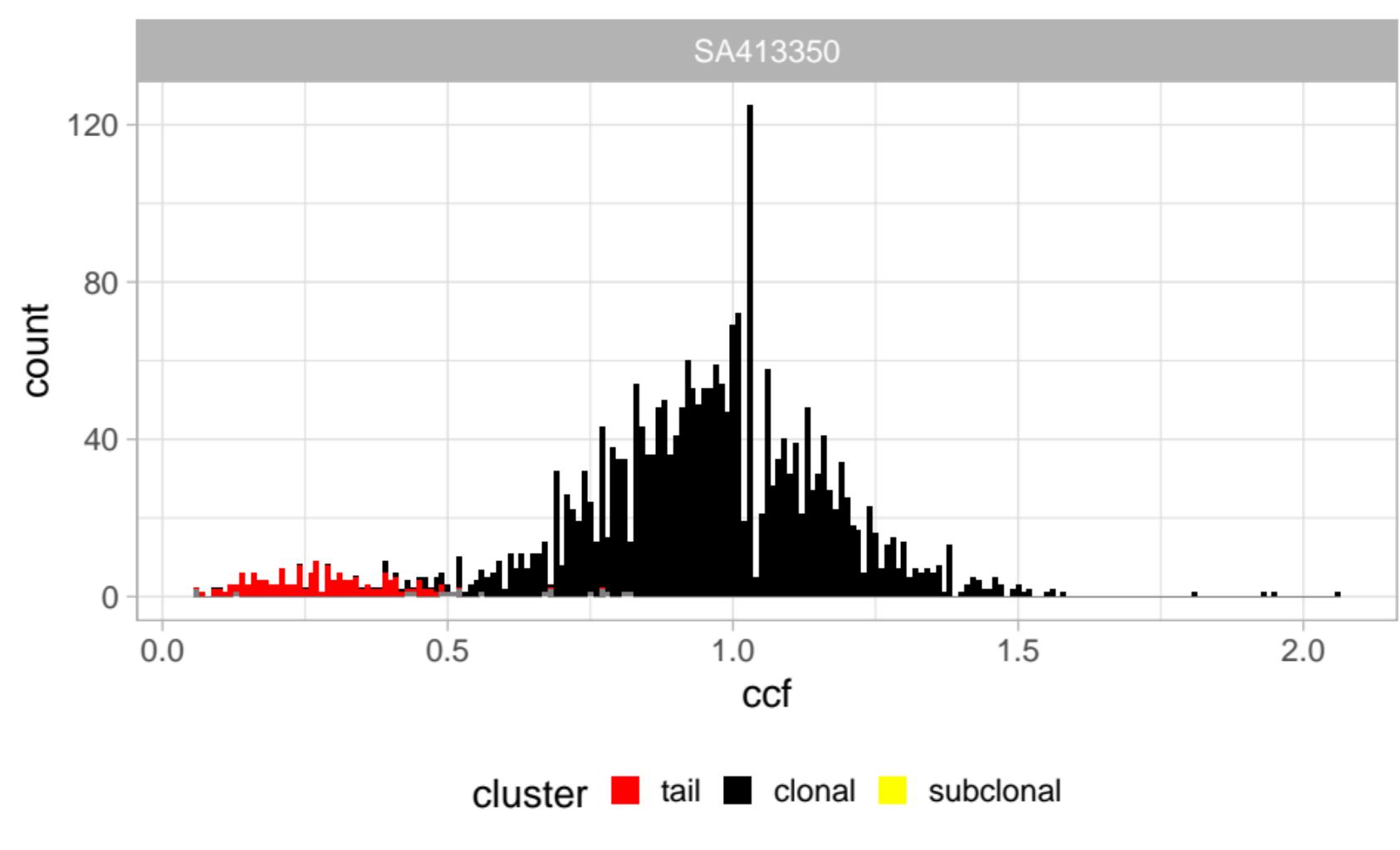
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA515316

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517323

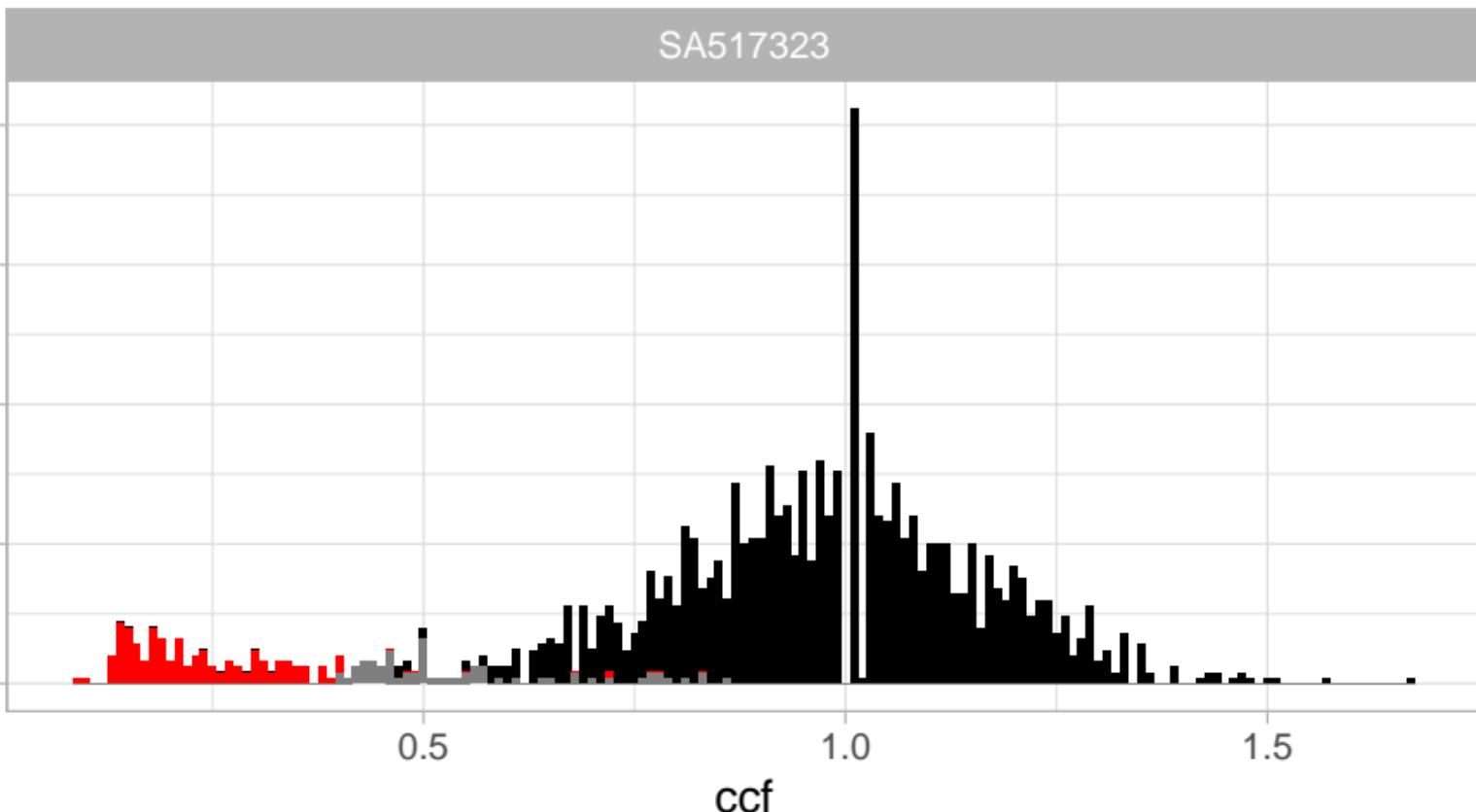
count

100
75
50
25
0

0.5 1.0 1.5

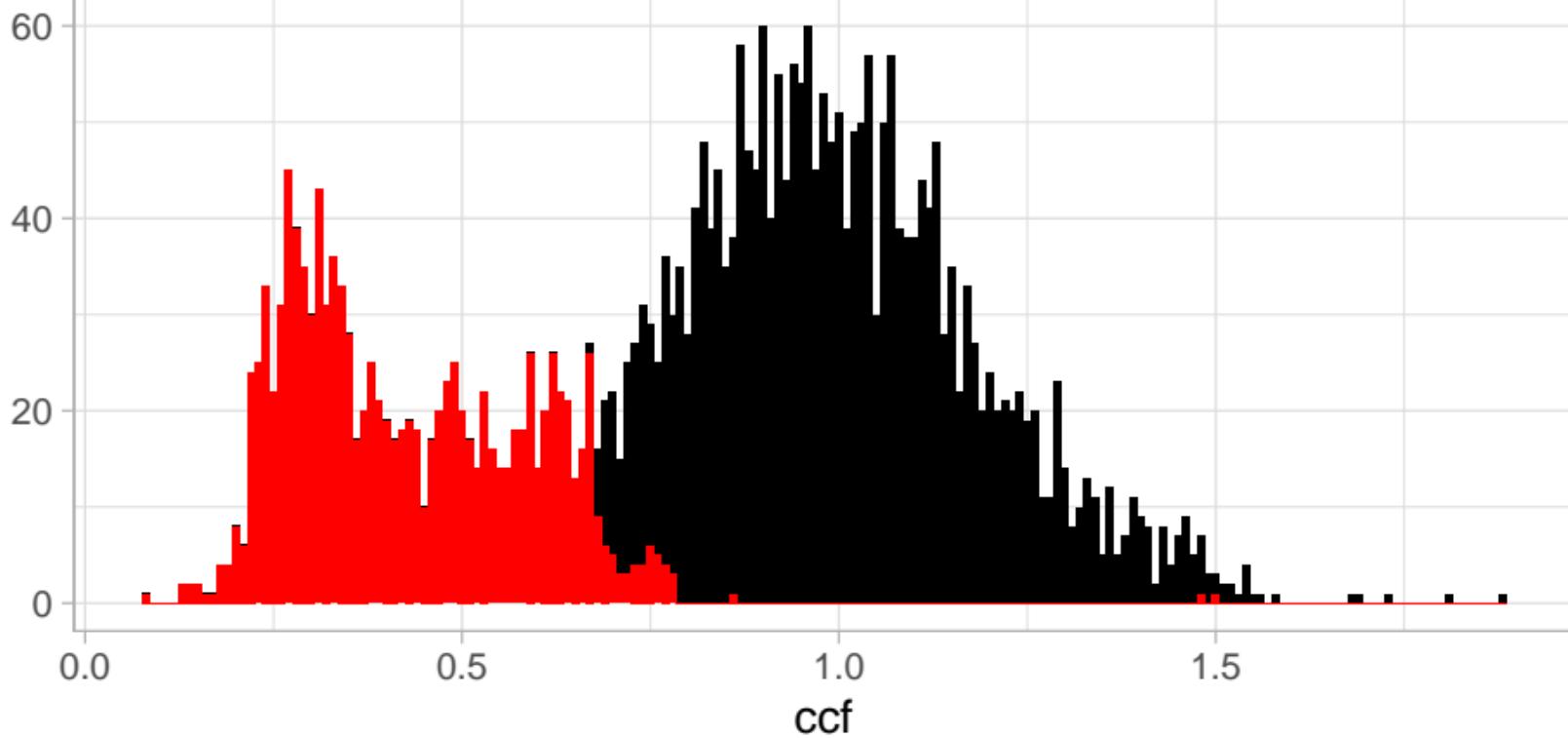
ccf

cluster tail clonal subclonal



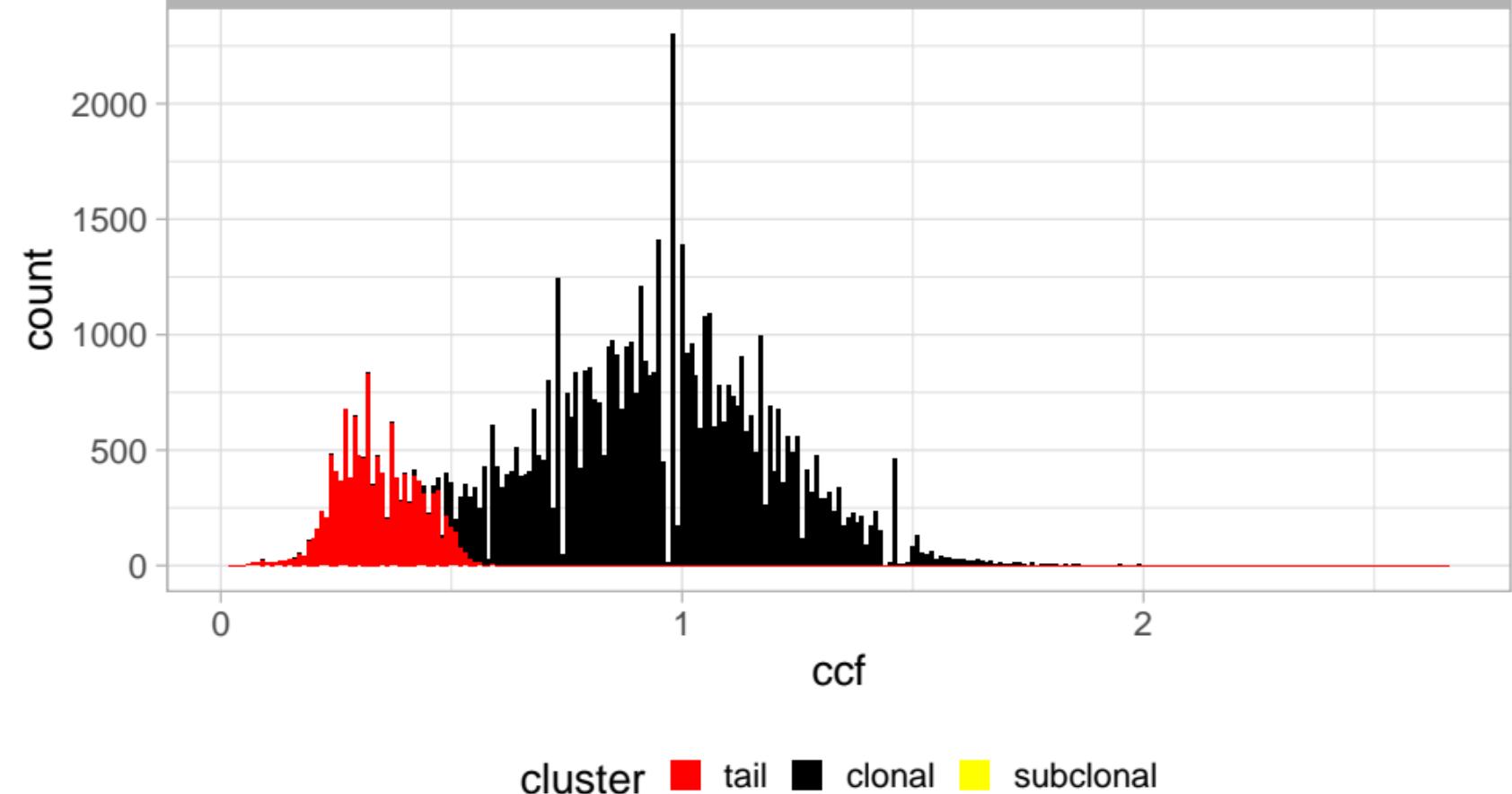
SA506694

count

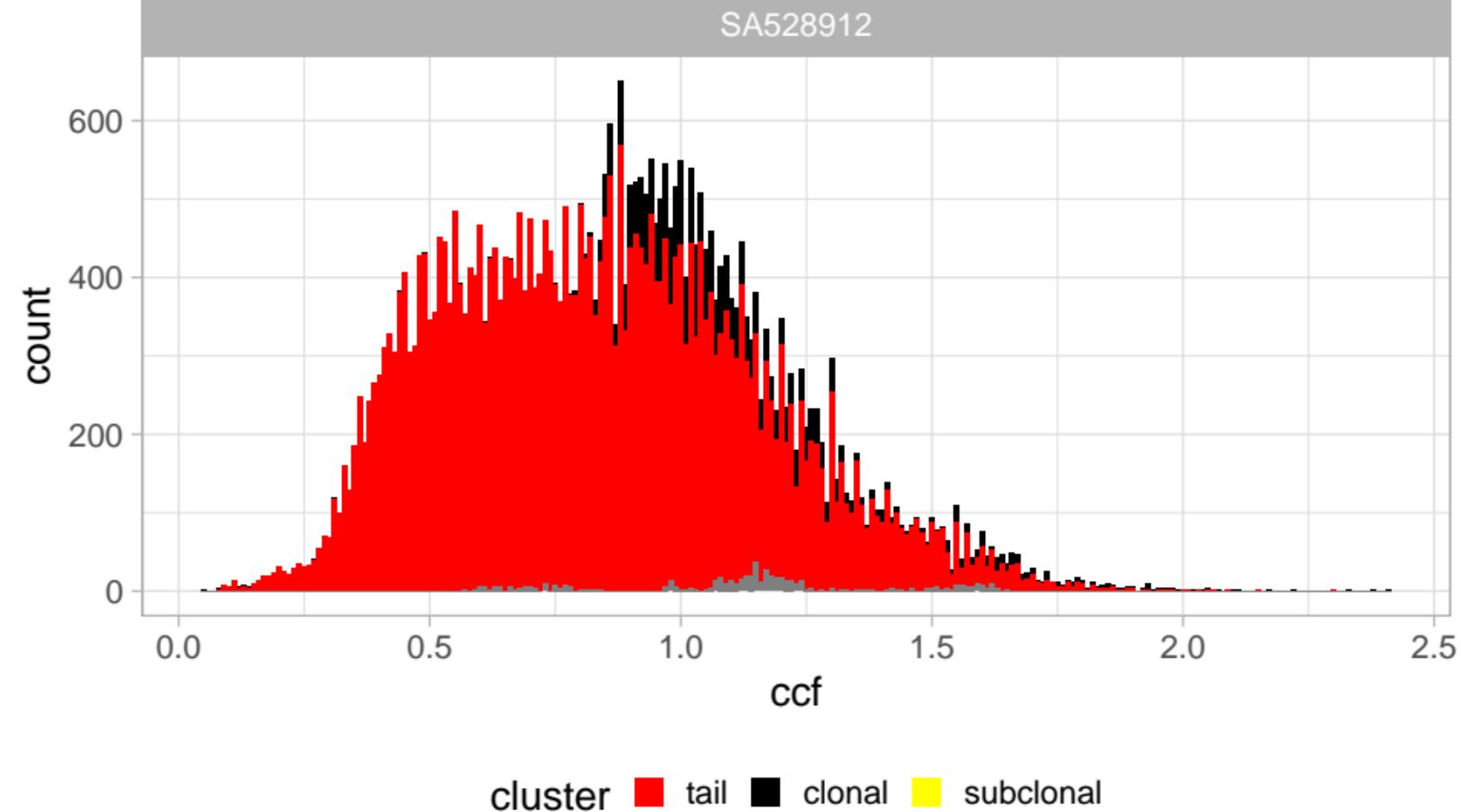


cluster ■ tail ■ clonal ■ subclonal

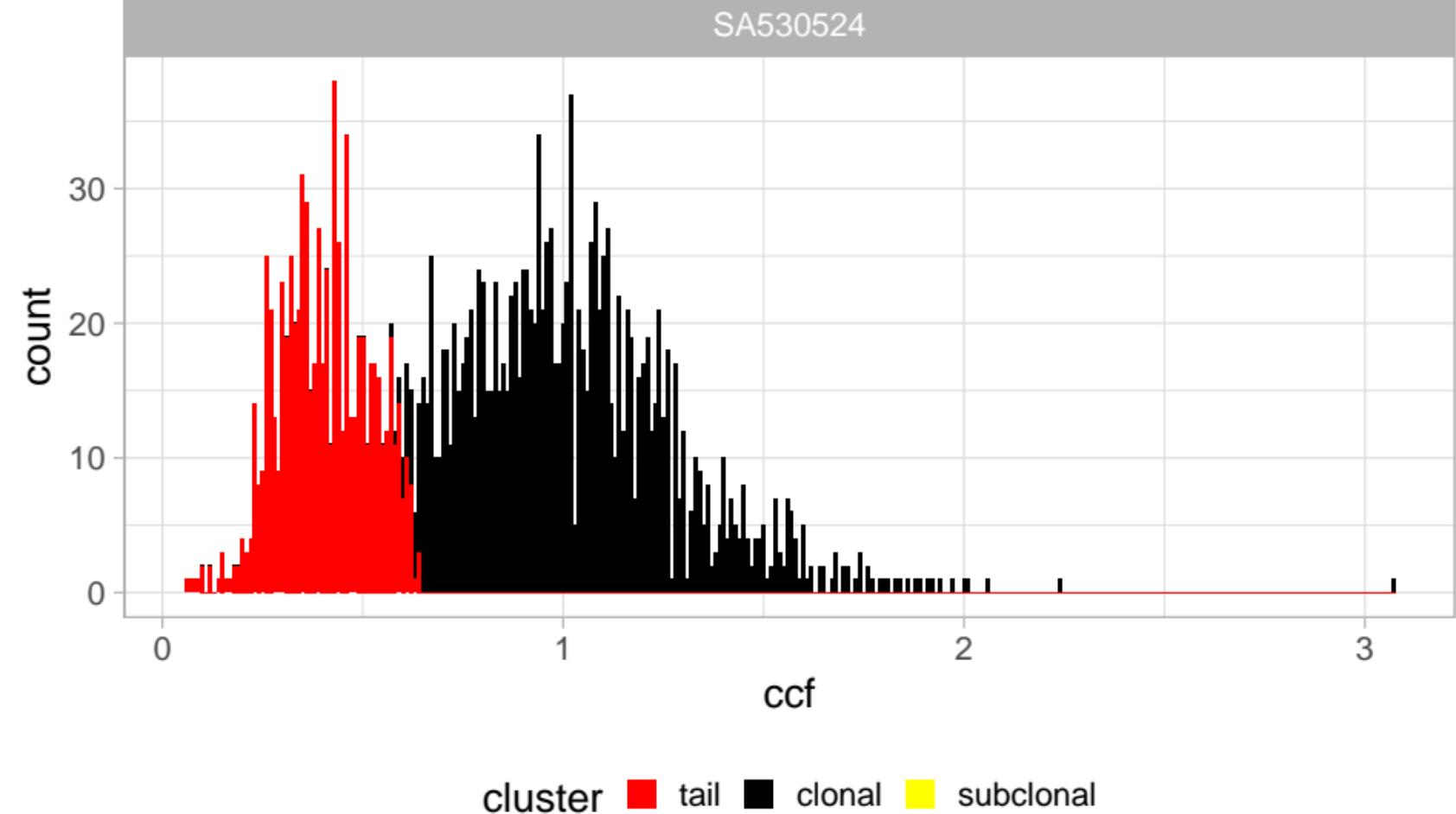
SA542090



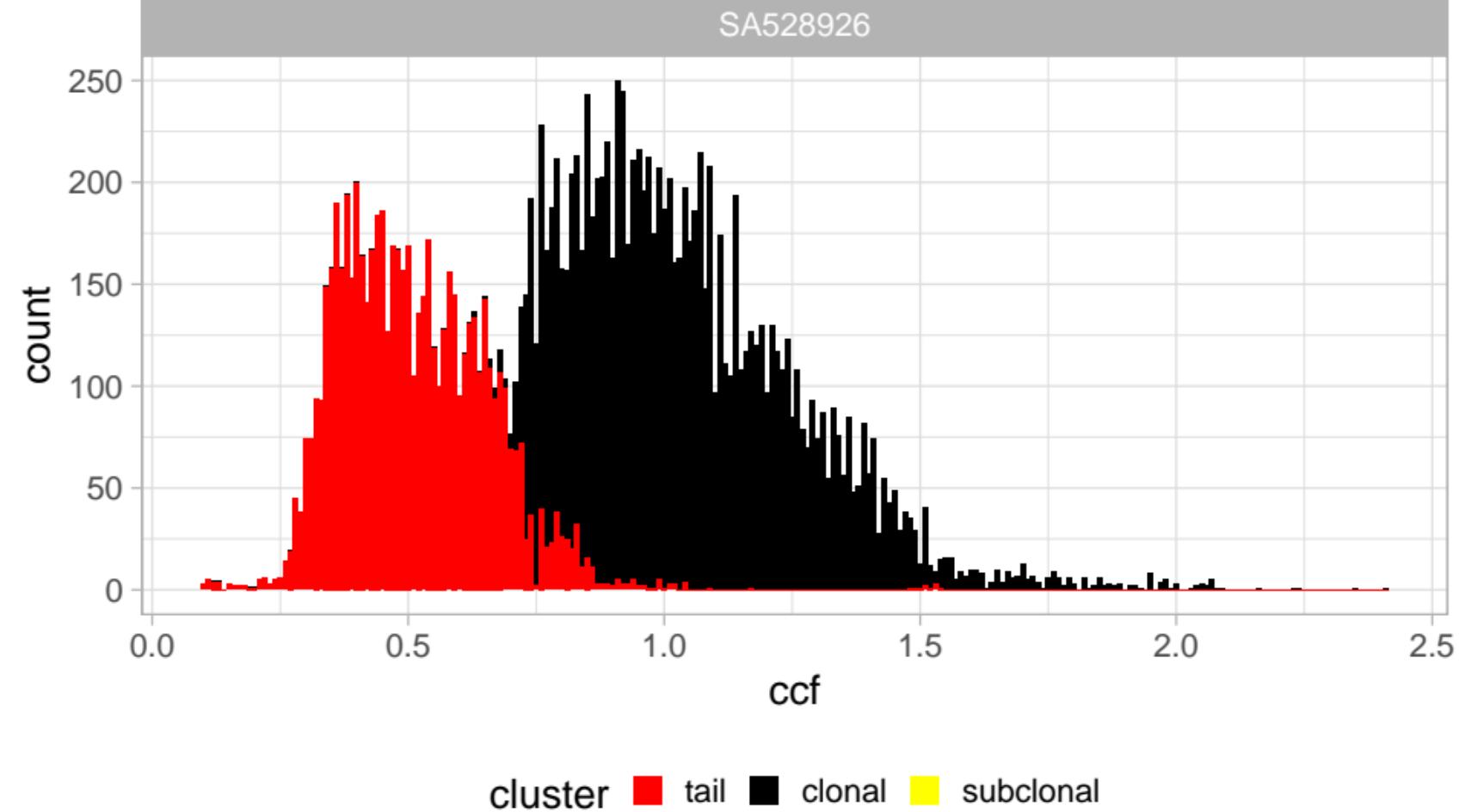
SA528912



SA530524



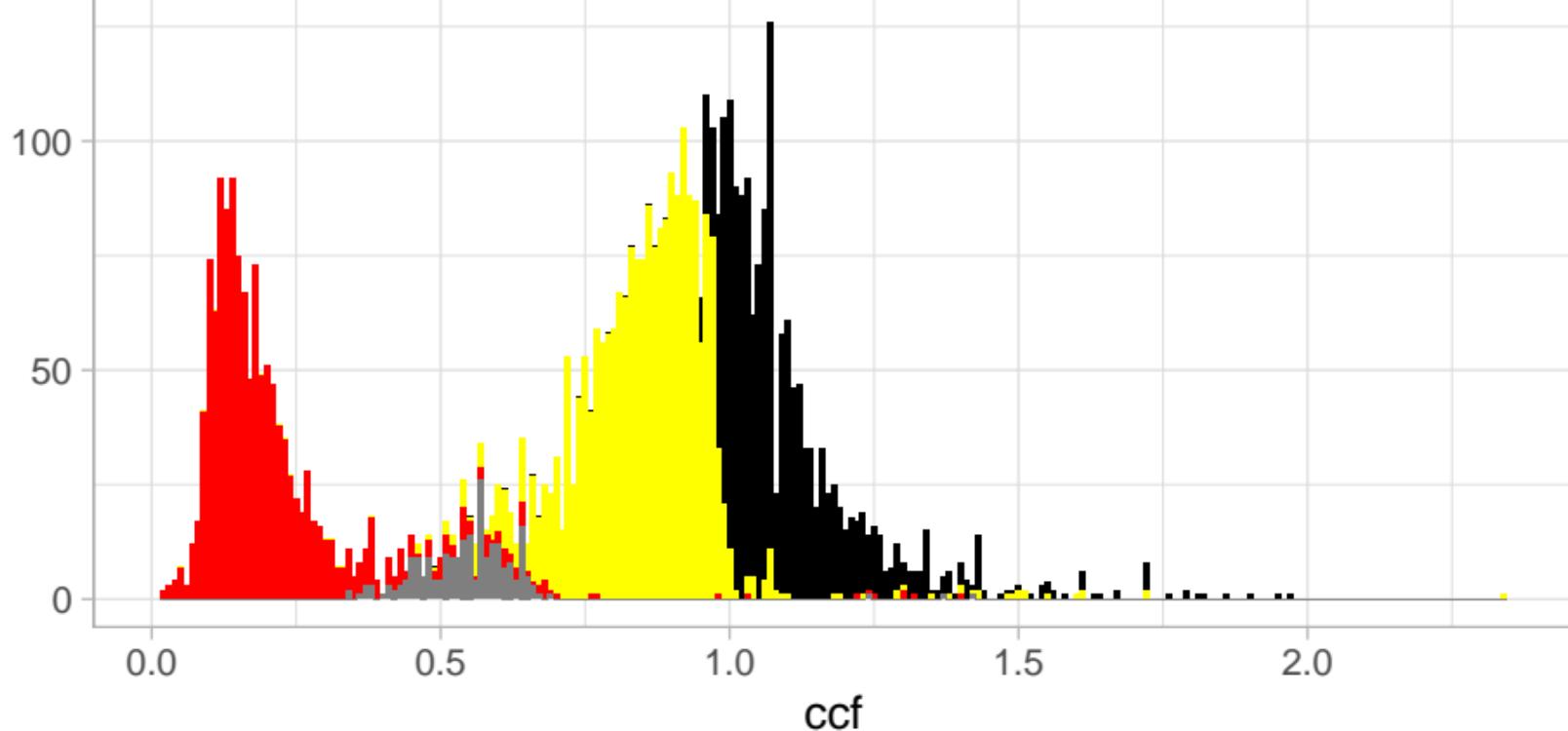
SA528926



cluster ■ tail ■ clonal ■ subclonal

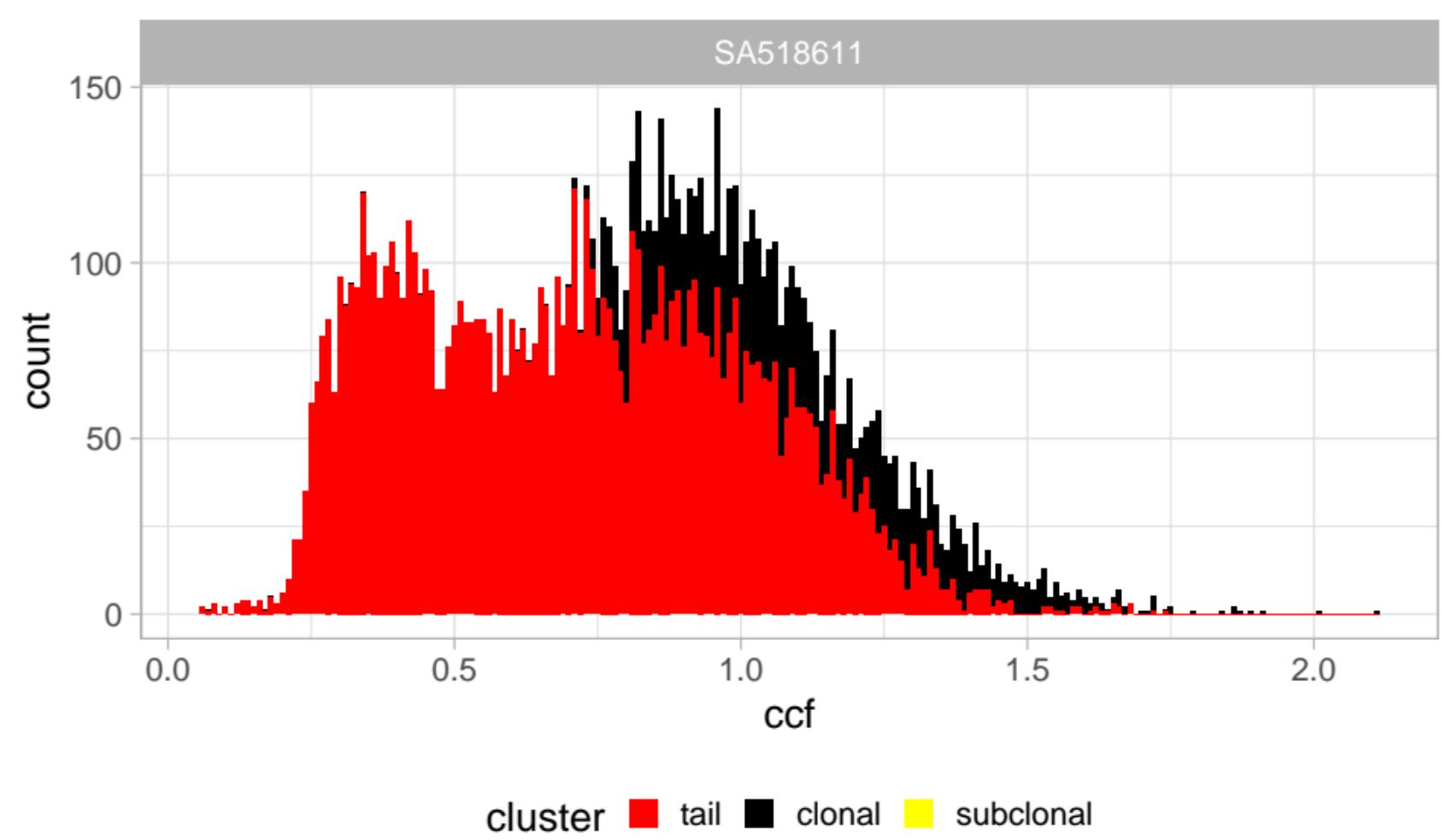
SA520175

count



cluster ■ tail ■ clonal ■ subclonal

SA518611



SA557466

count

4000
3000
2000
1000
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530533

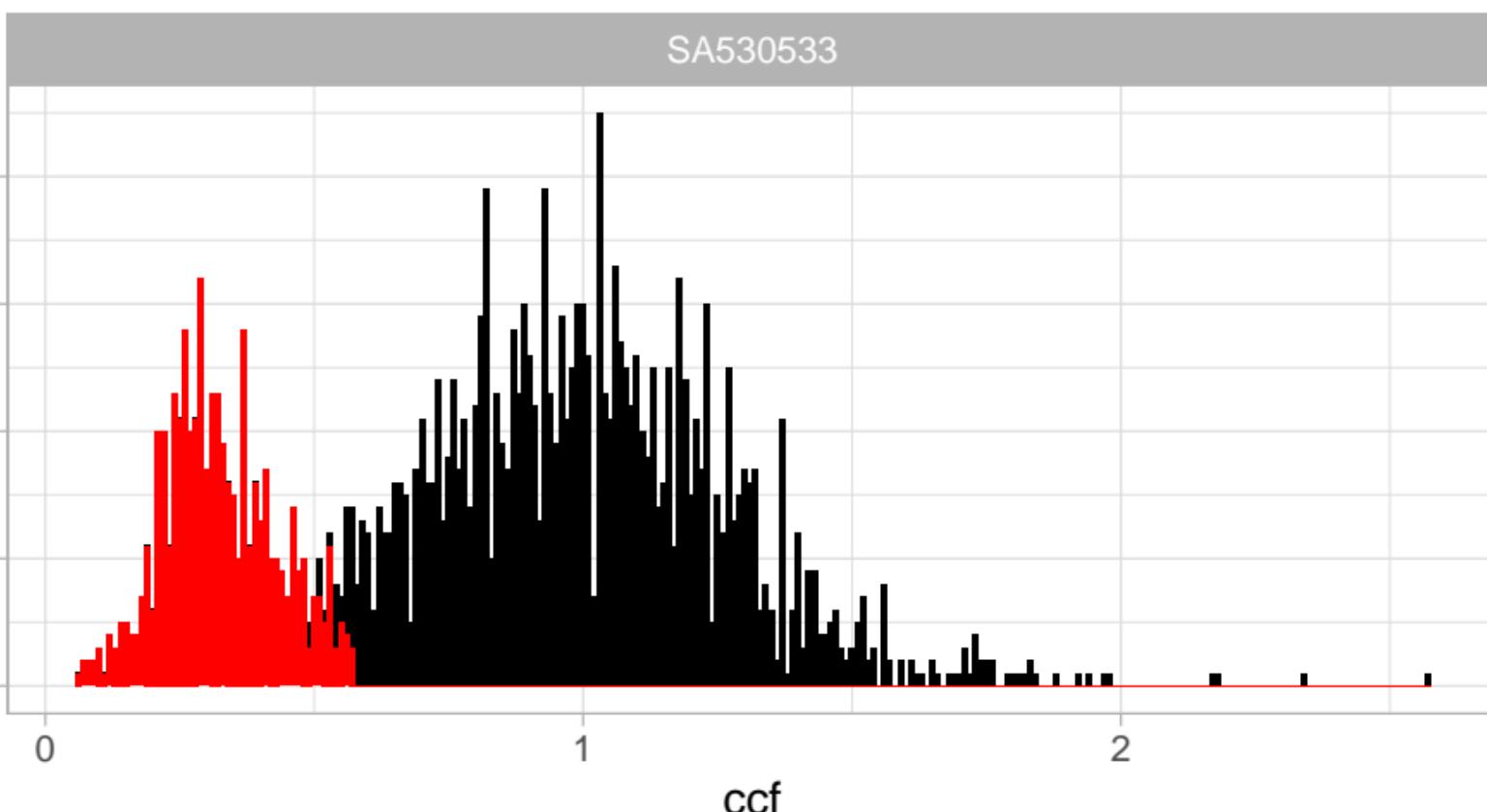
count

40
30
20
10
0

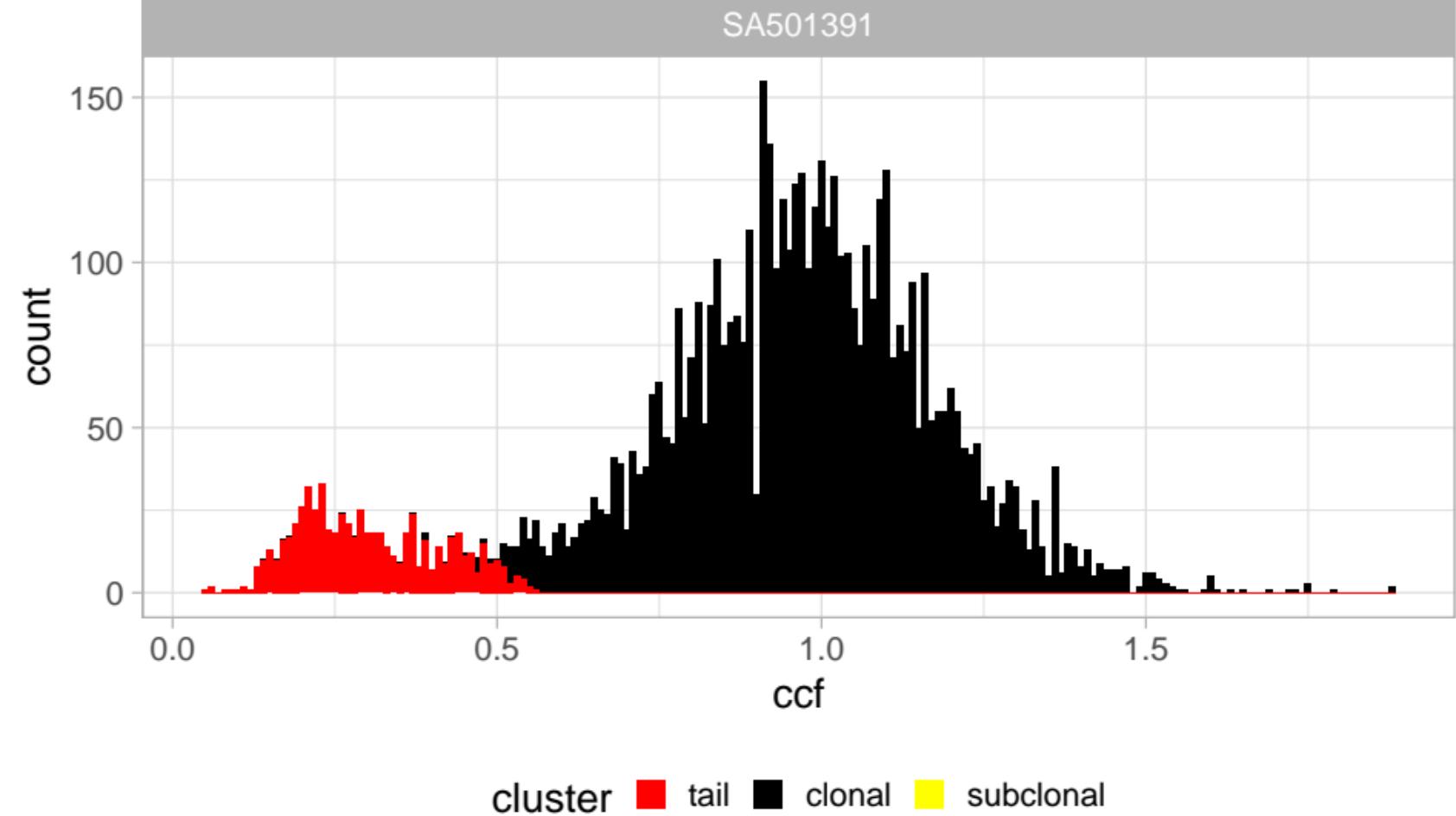
0 1 2

ccf

cluster tail clonal subclonal

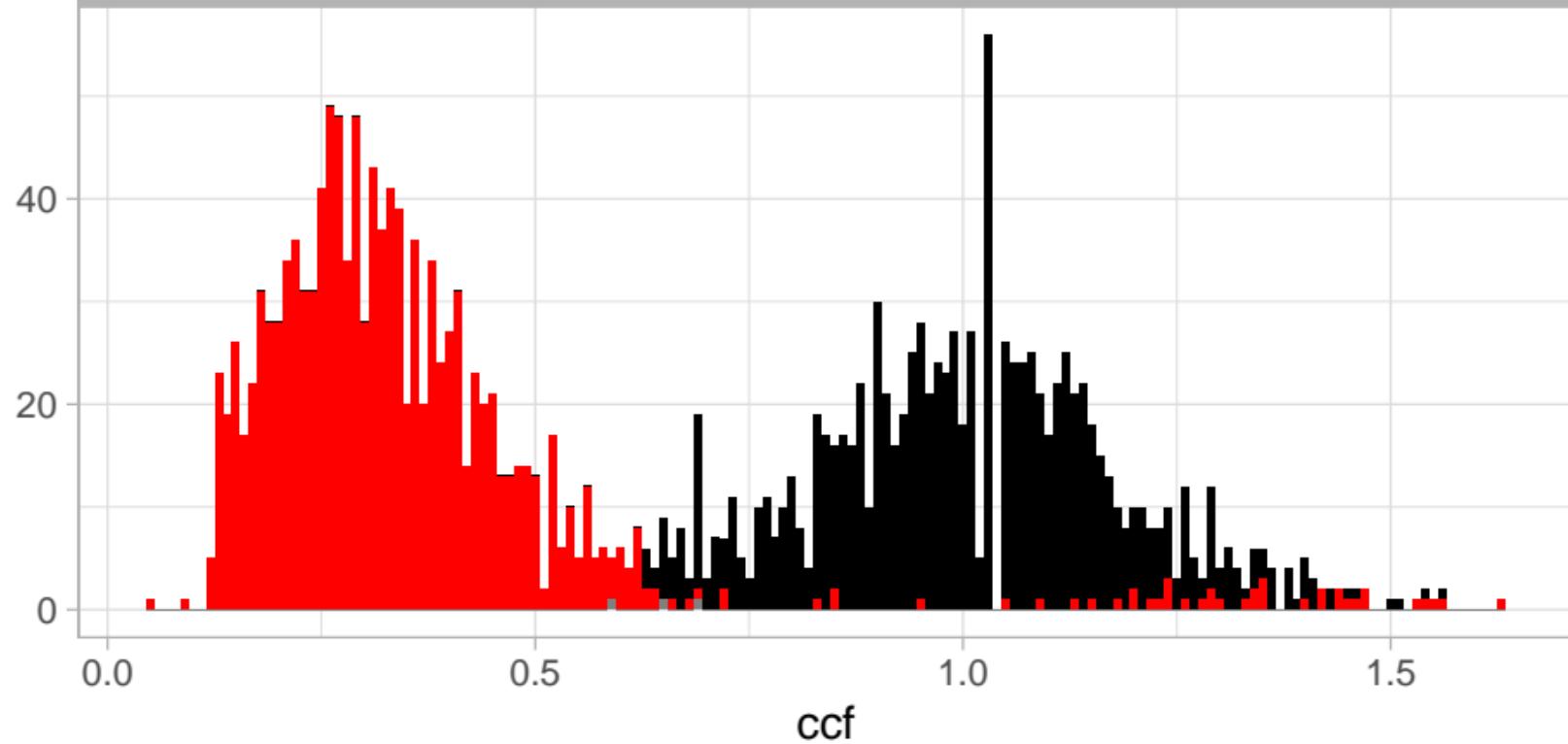


SA501391



SA542382

count



cluster ■ tail ■ clonal ■ subclonal

SA528740

count

200
150
100
50
0

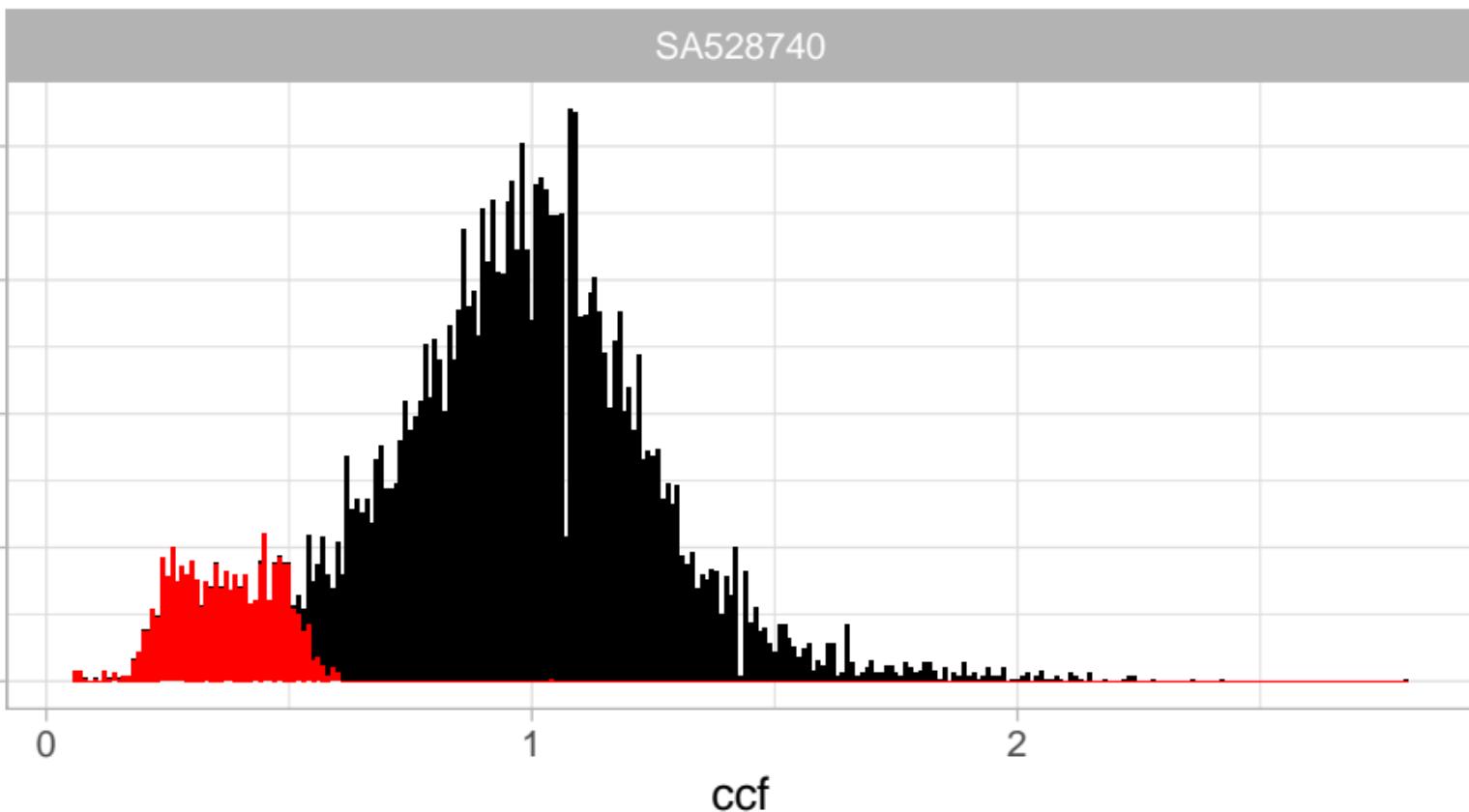
0

1

2

ccf

cluster tail clonal subclonal



SA85535

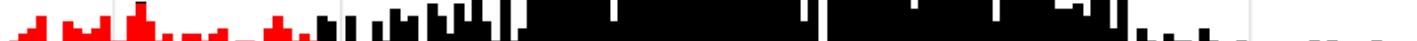
count

75
50
25
0

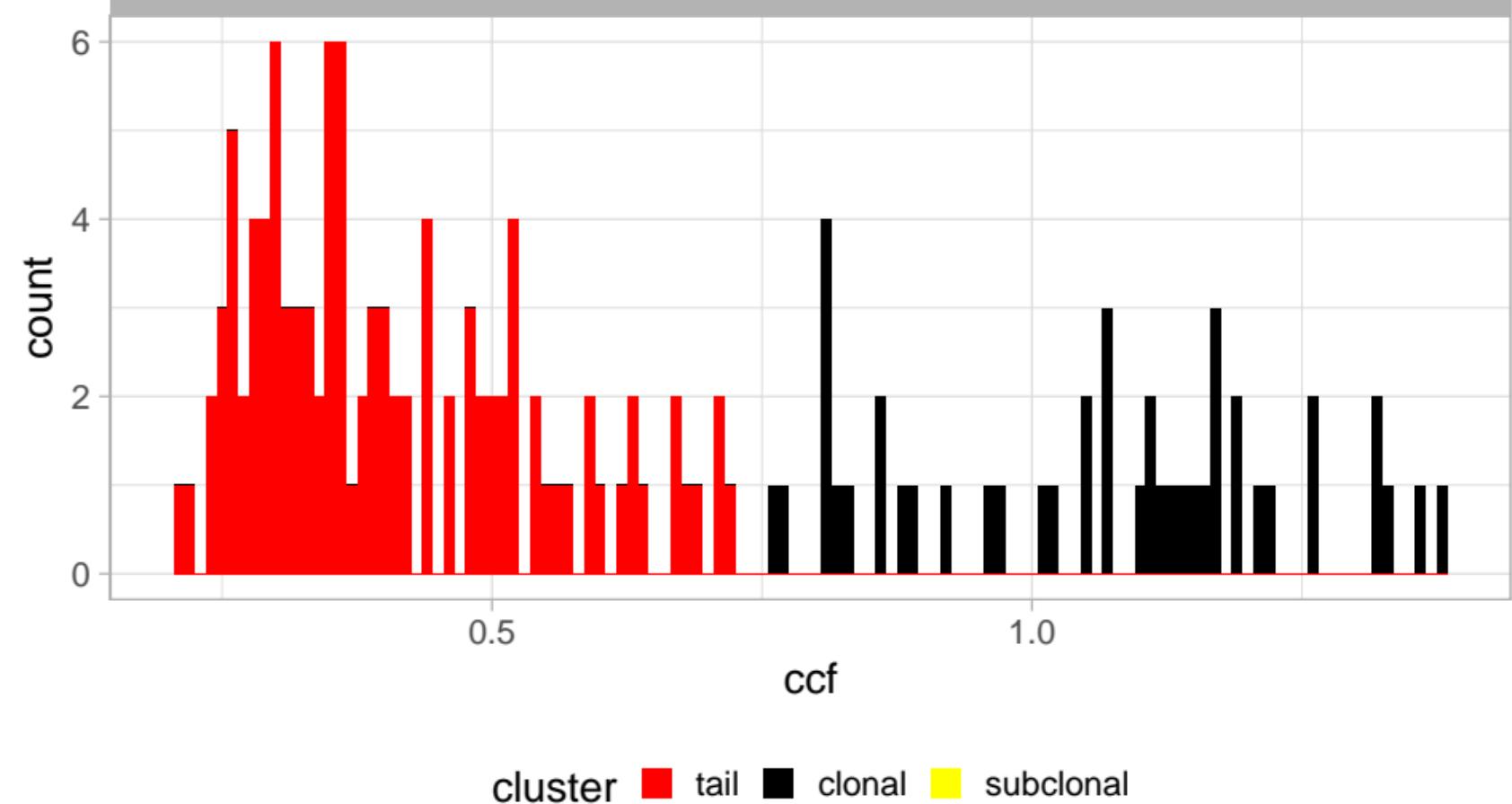
0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal

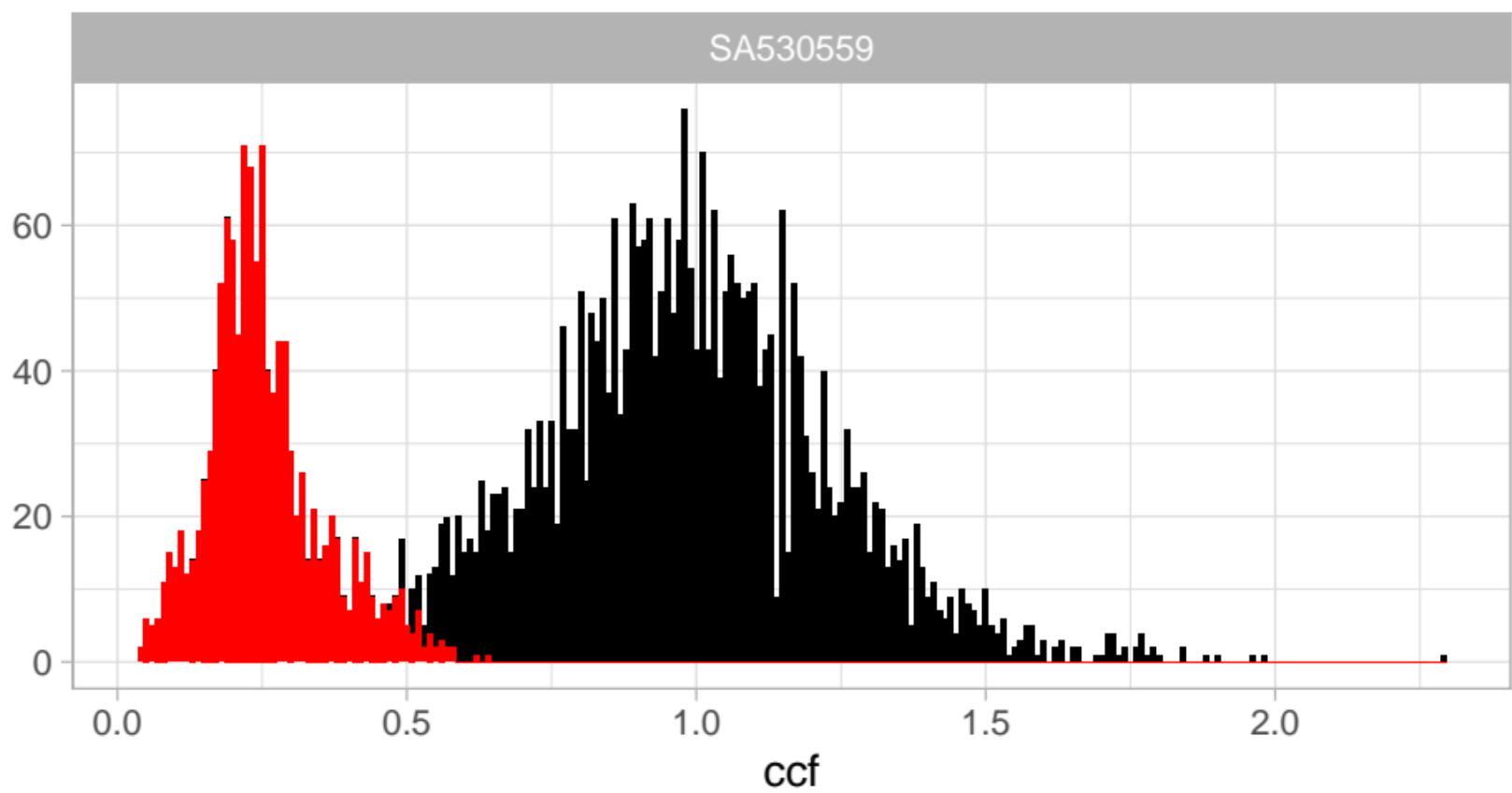


SA413558



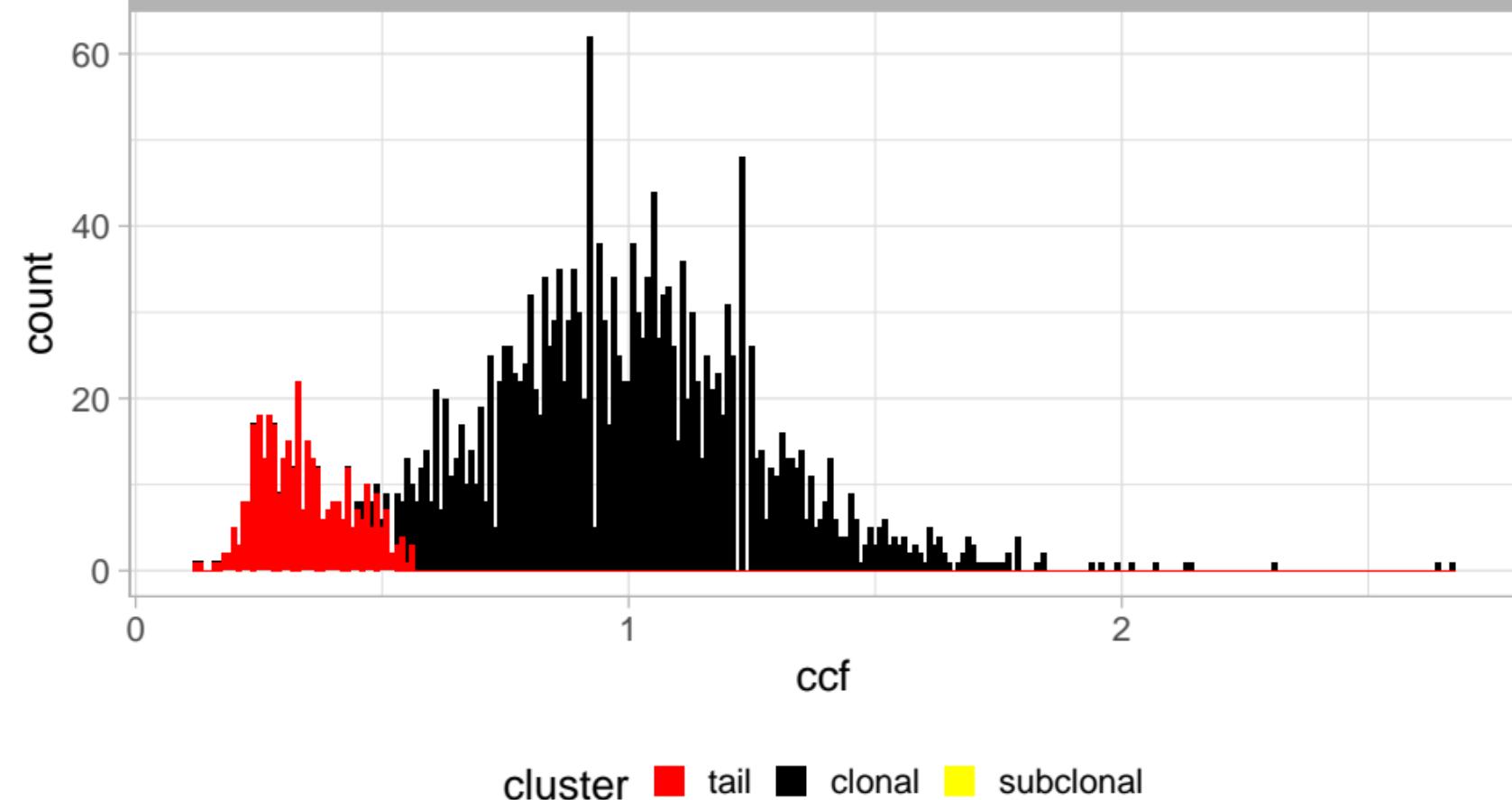
SA530559

count



cluster ■ tail ■ clonal ■ subclonal

SA541741



cluster ■ tail ■ clonal ■ subclonal

SA505872

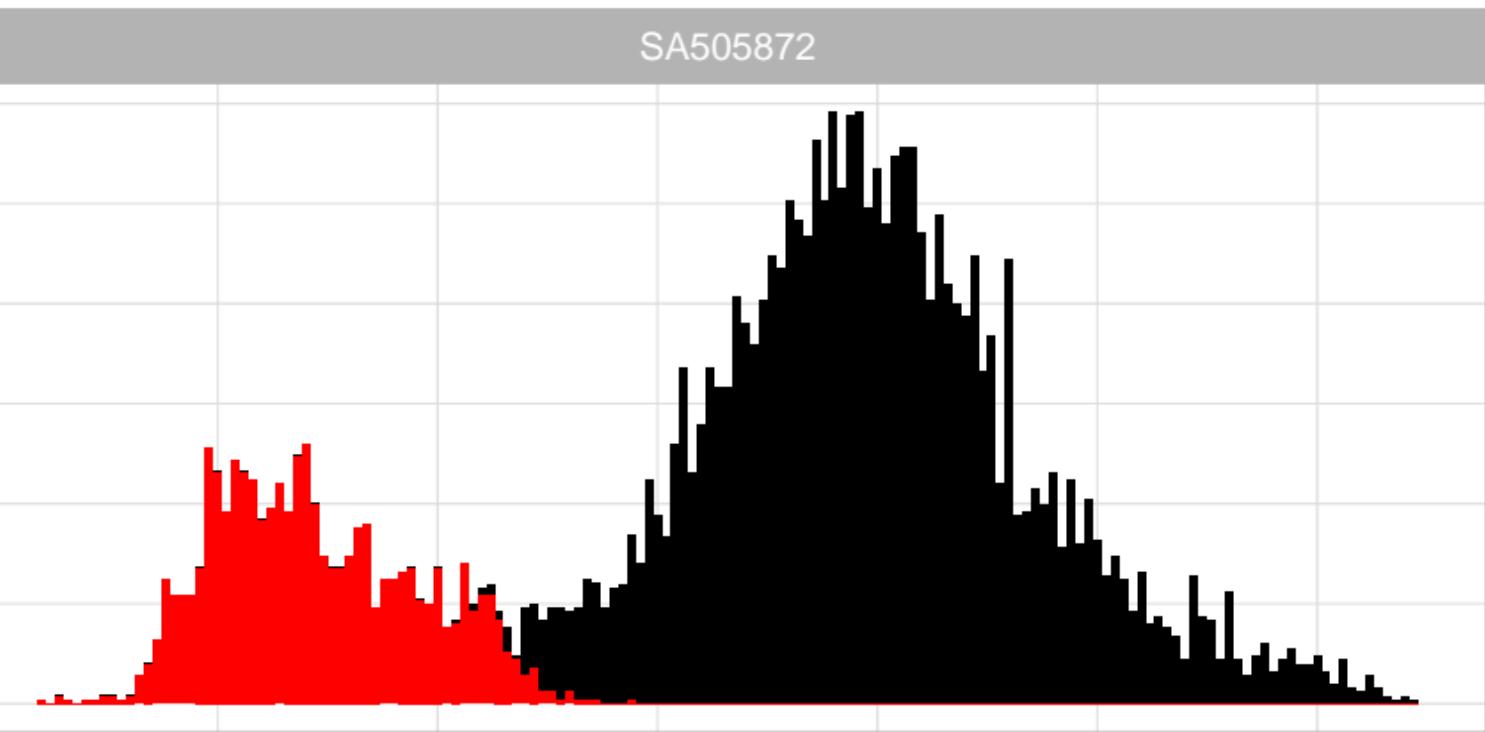
count

150
100
50
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542034

count

300

200

100

0

0.0

0.5

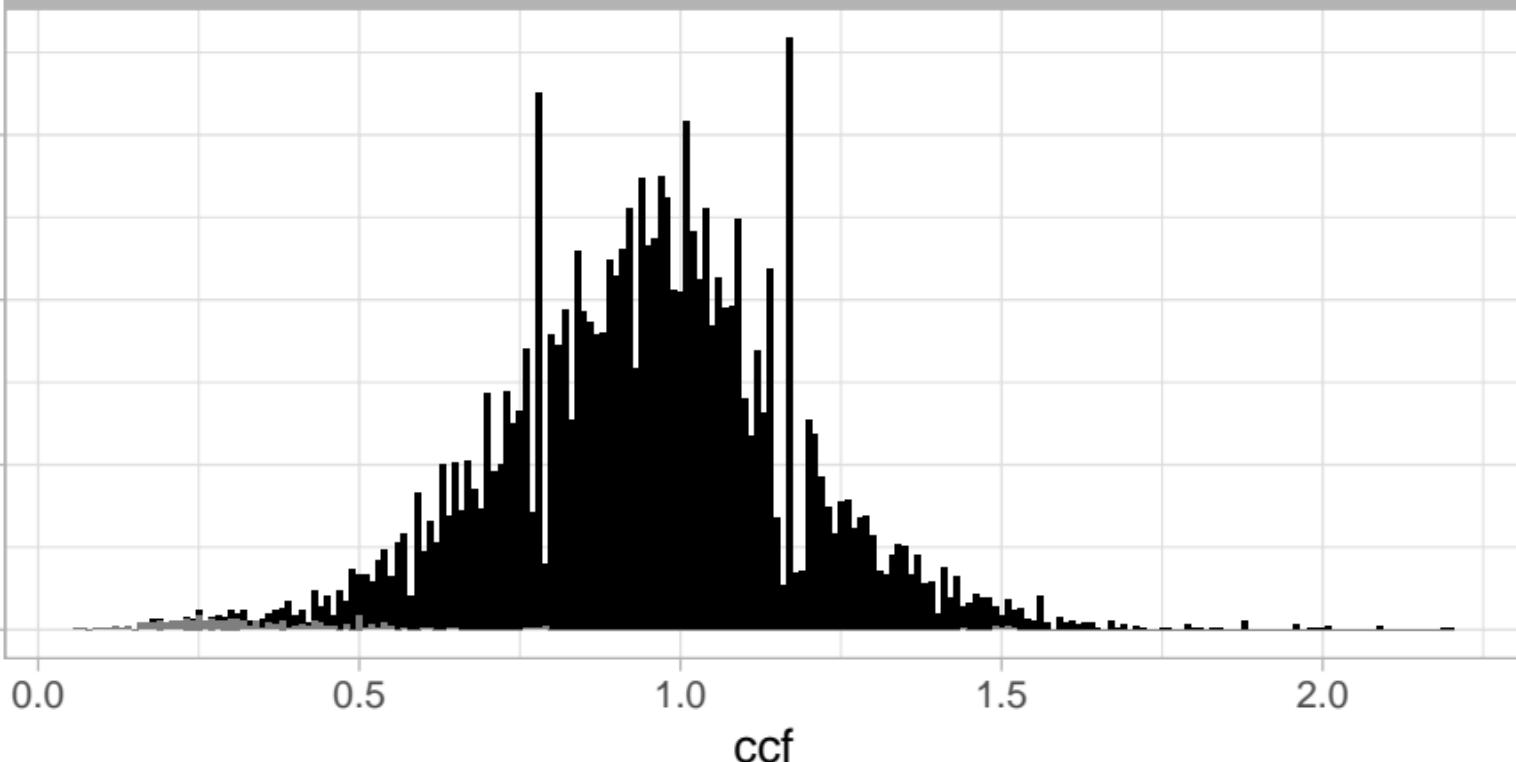
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA530539

count

60

40

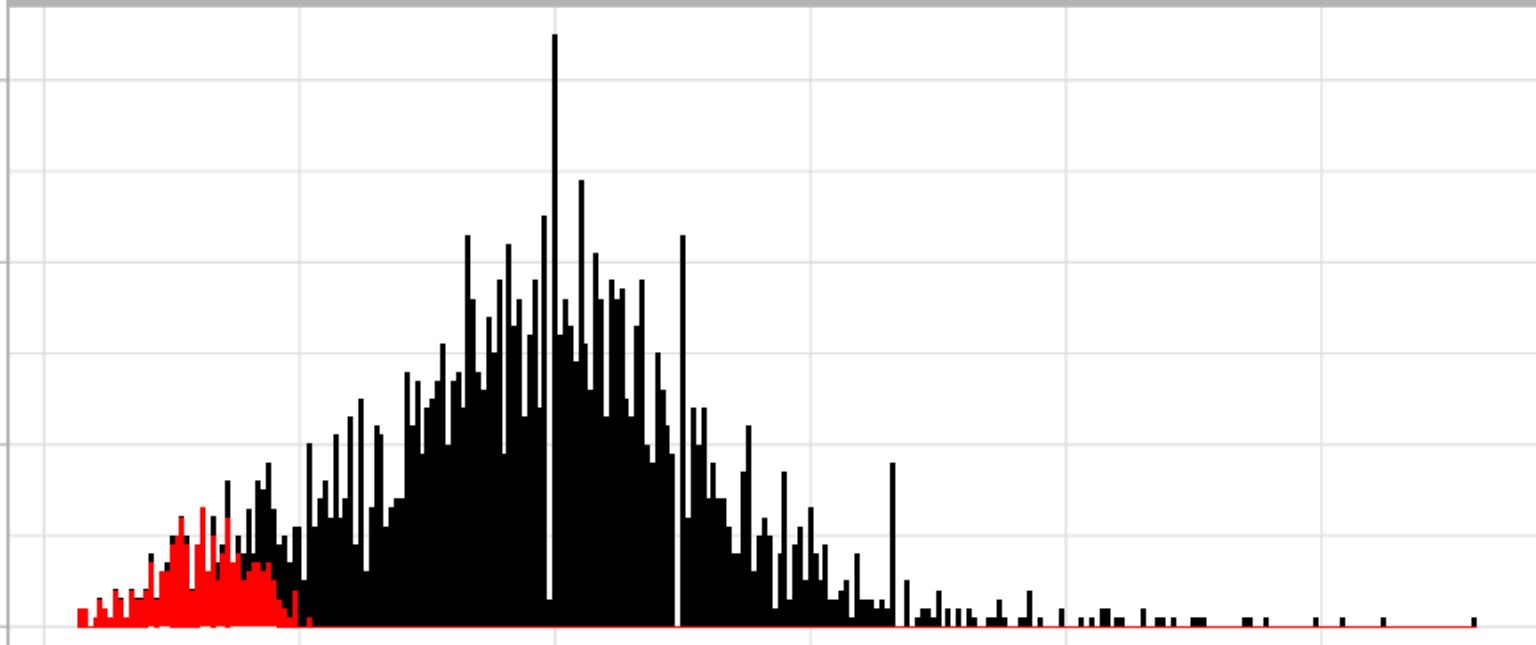
0

0

2

ccf

cluster tail clonal subclonal



SA505780

count

150

100

50

0

0

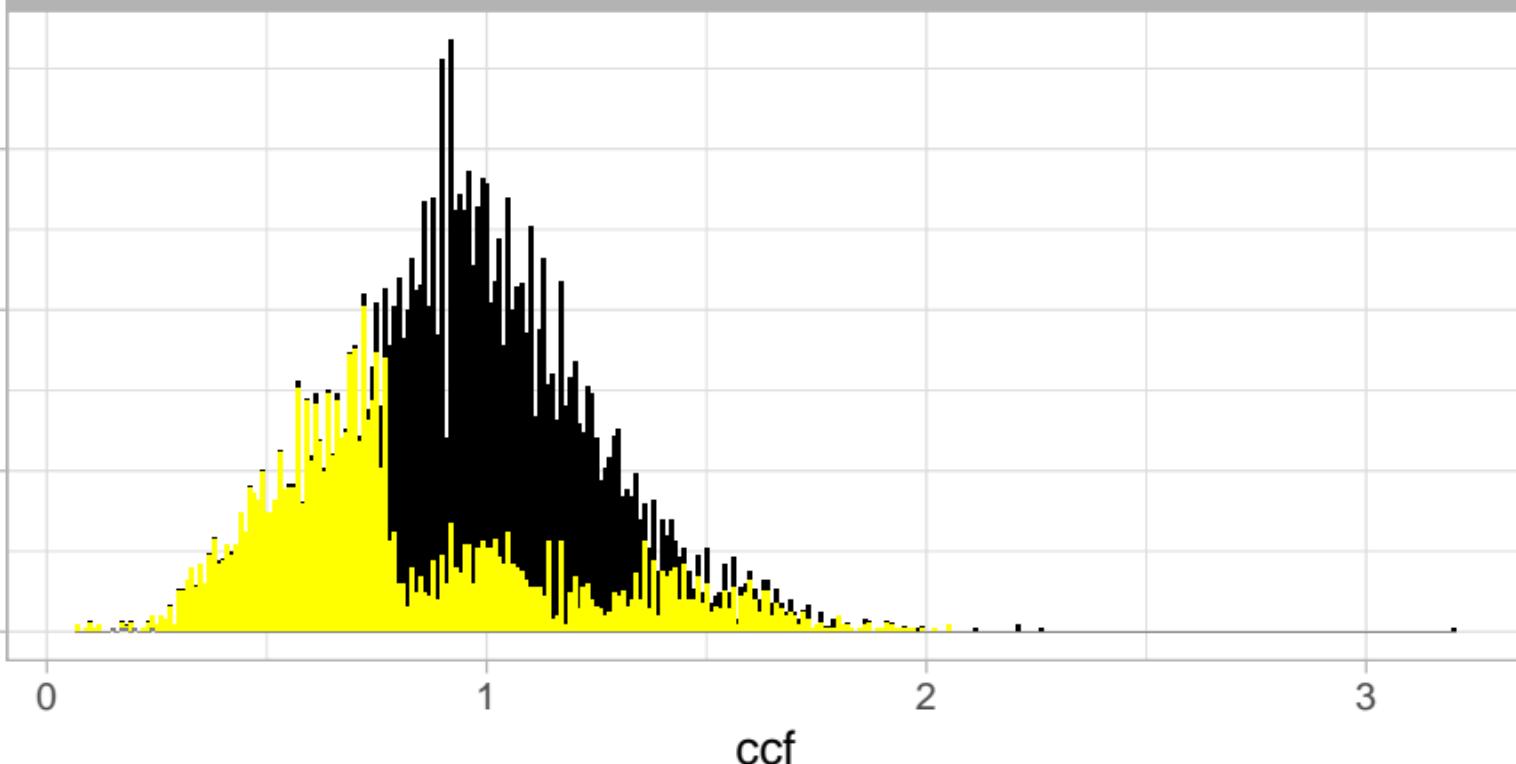
1

2

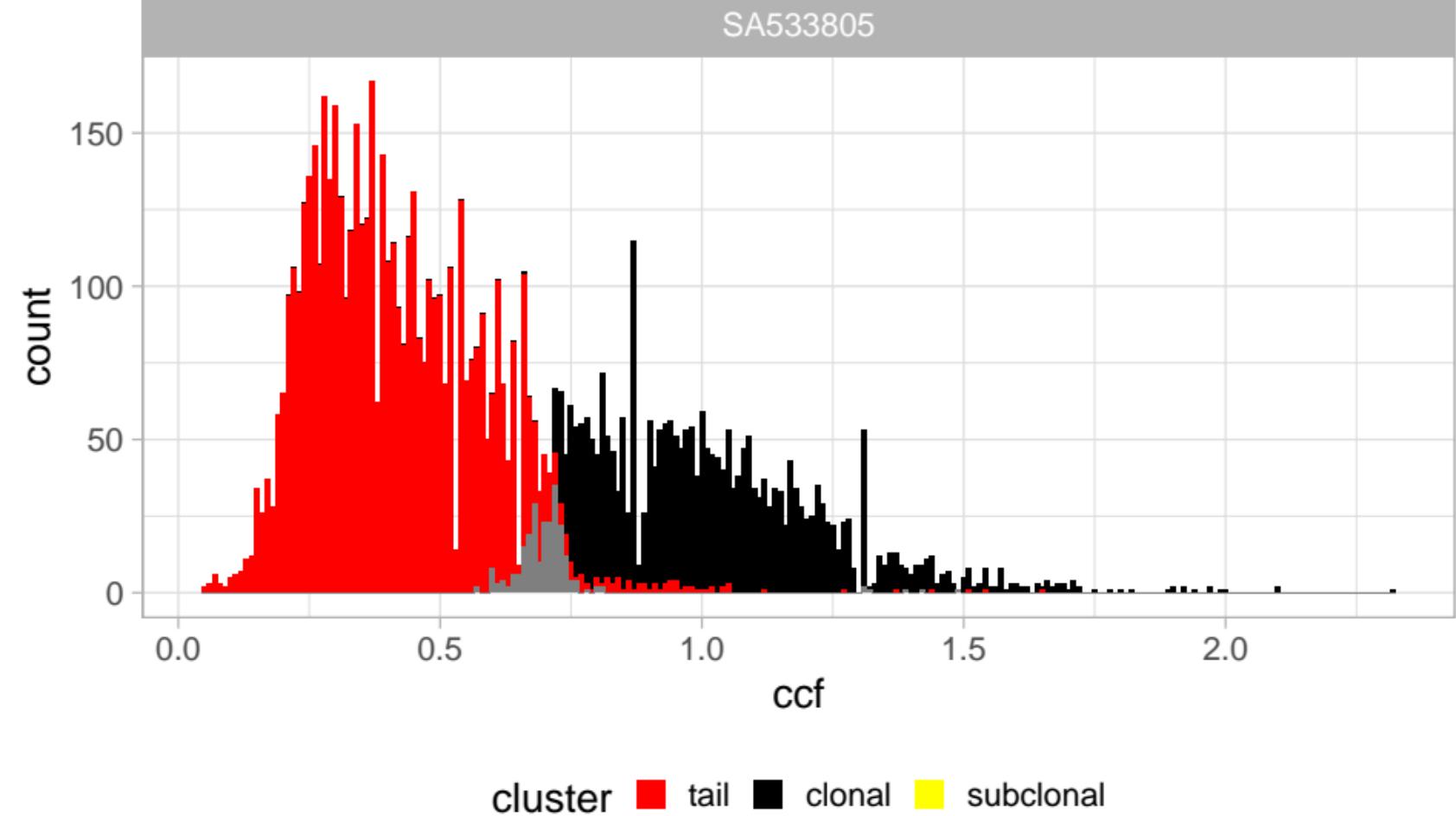
3

ccf

cluster tail clonal subclonal



SA533805



SA515327

count

1000
500
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413798

count

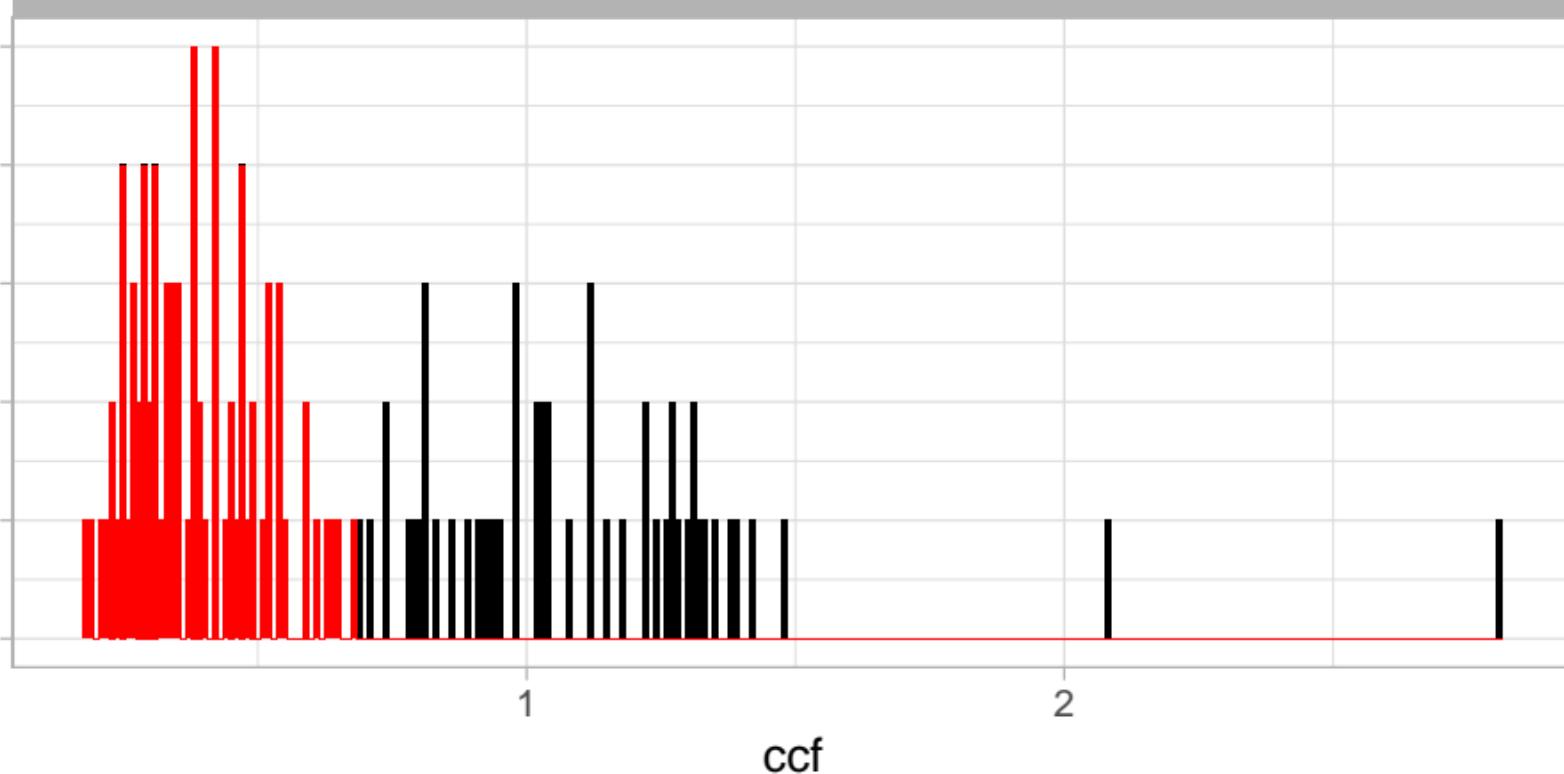
5
4
3
2
1
0

1

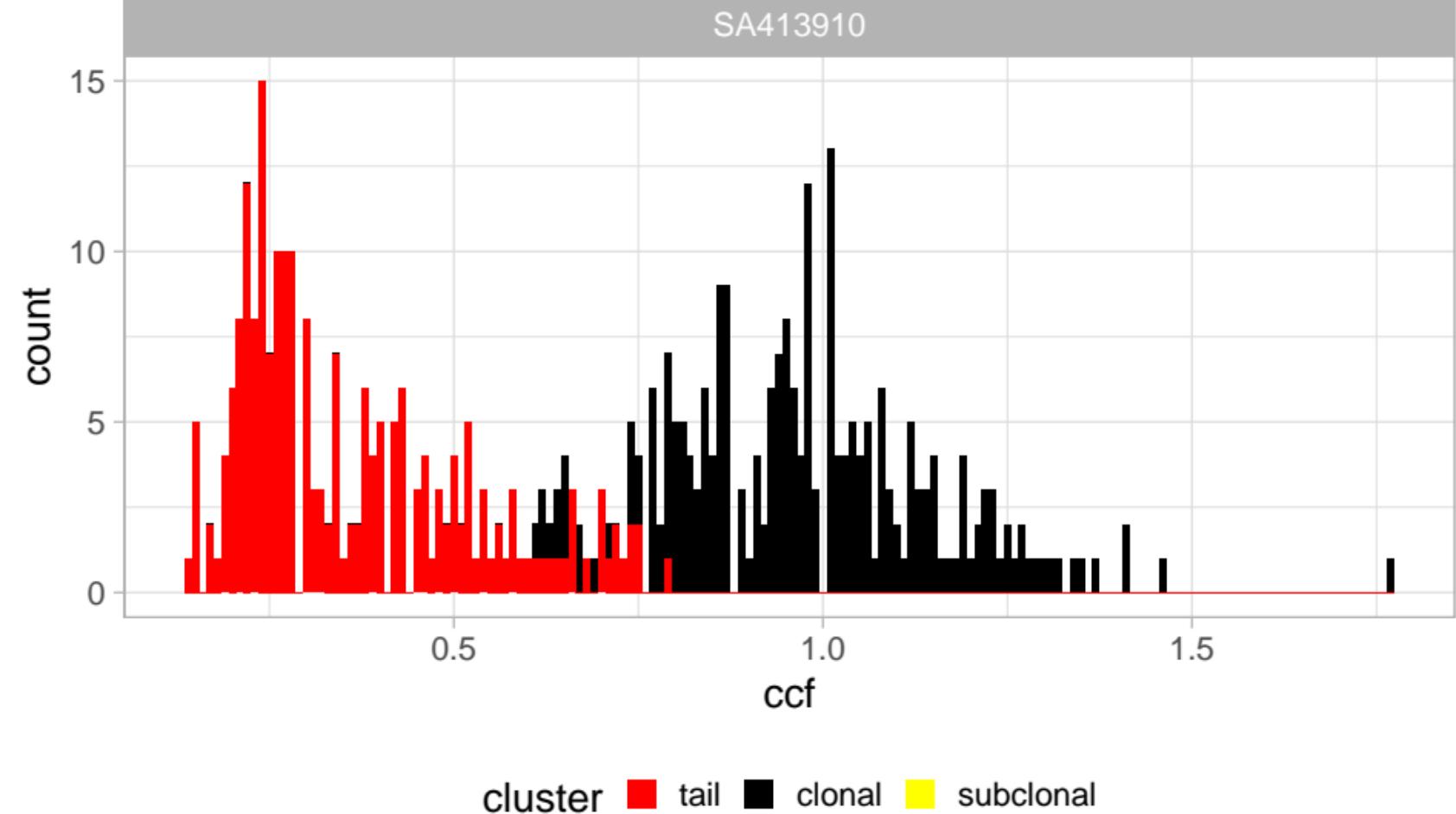
2

ccf

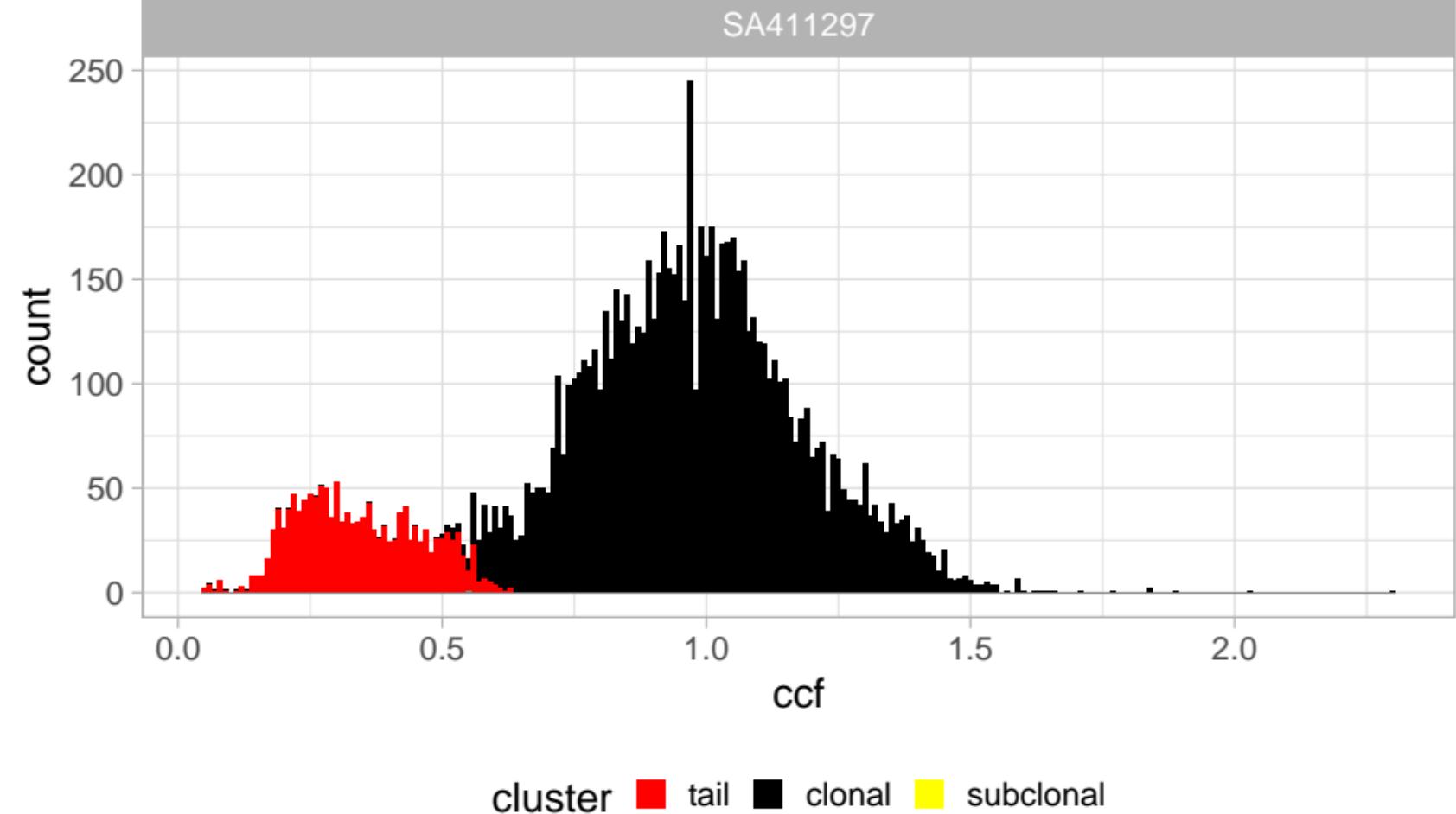
cluster tail clonal subclonal



SA413910



SA411297



SA86551

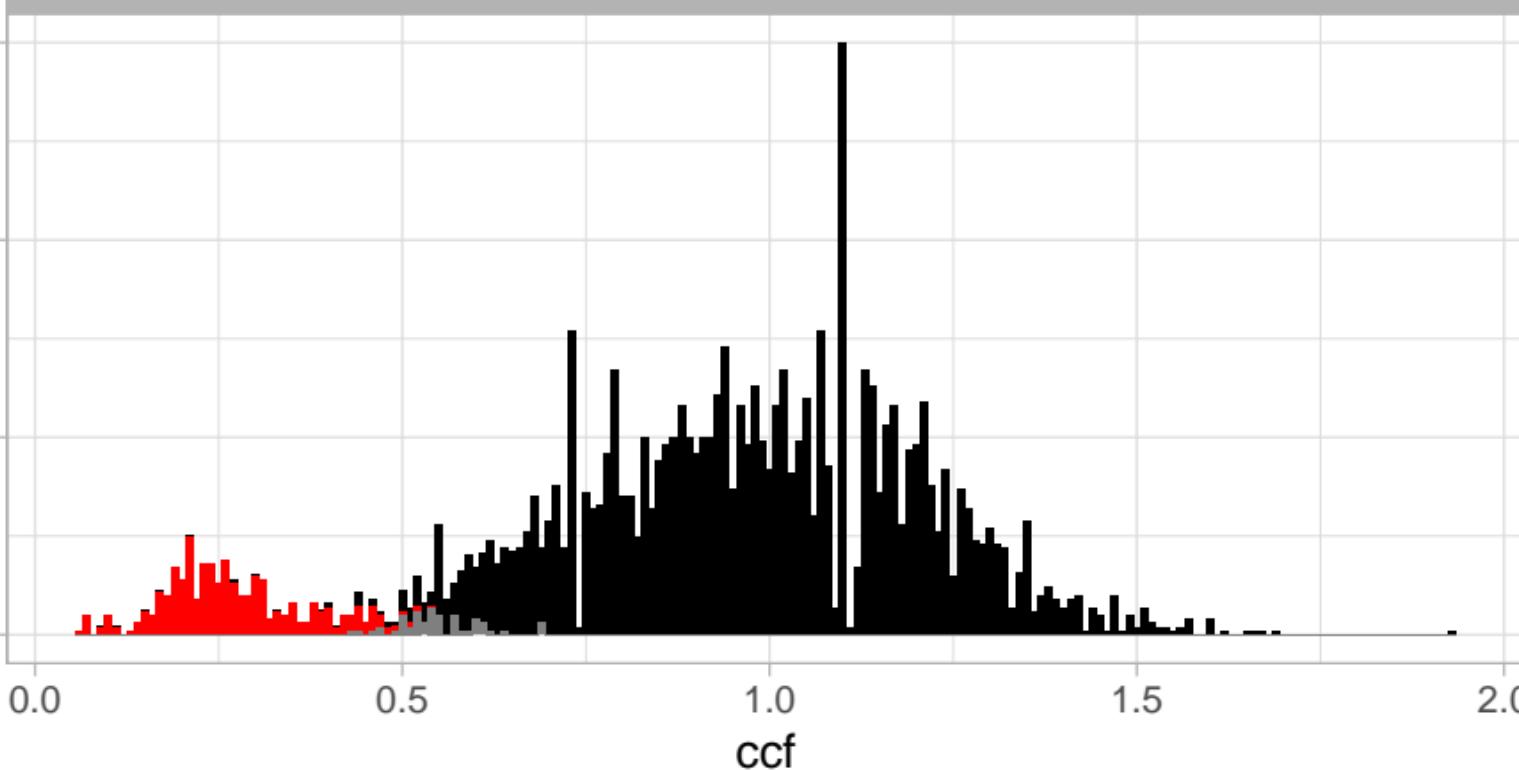
count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA517382

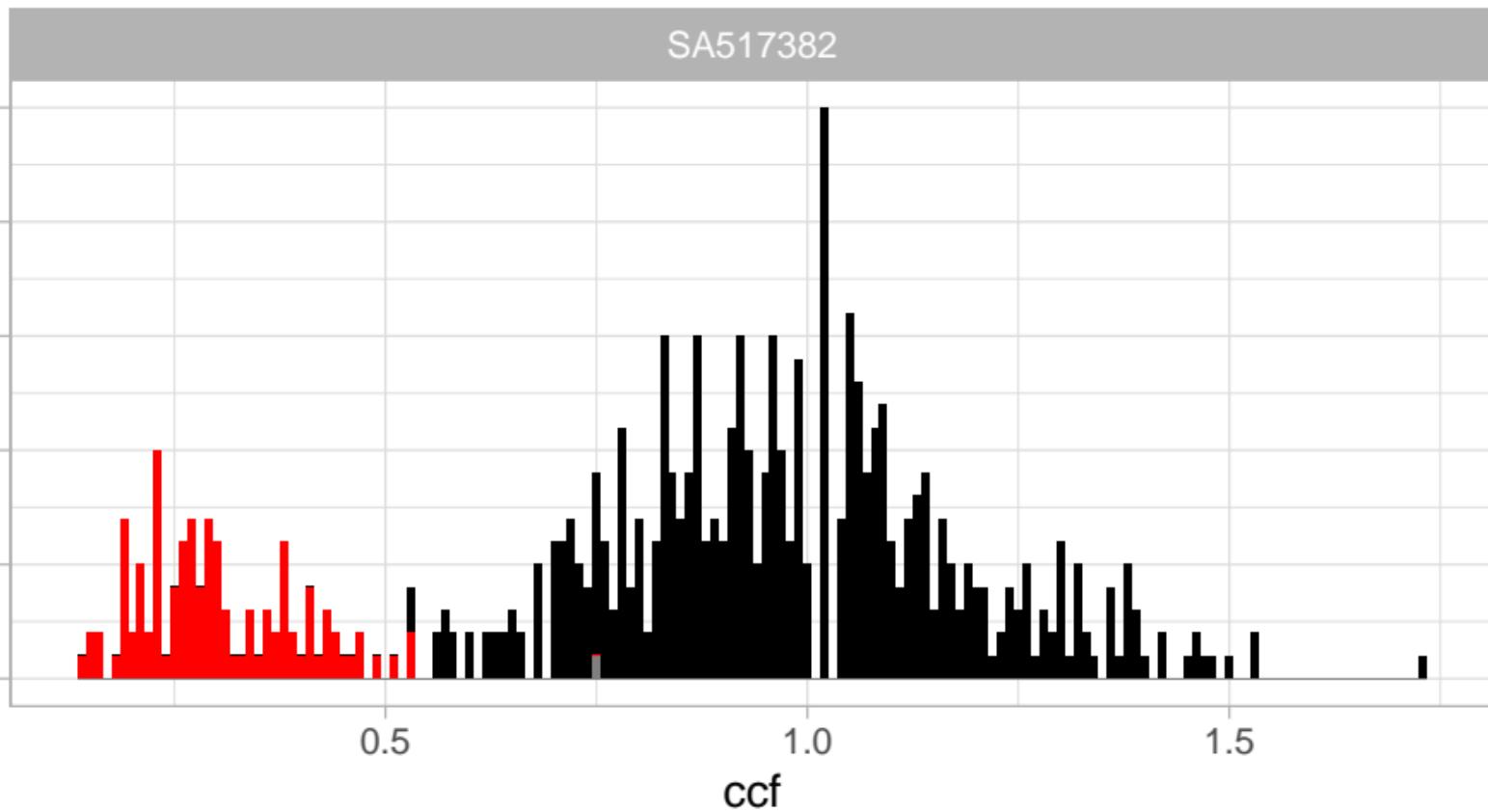
count

25
20
15
10
5
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA528883

count

1500
1000
500
0

0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal

SA413570

count

9
6
3
0

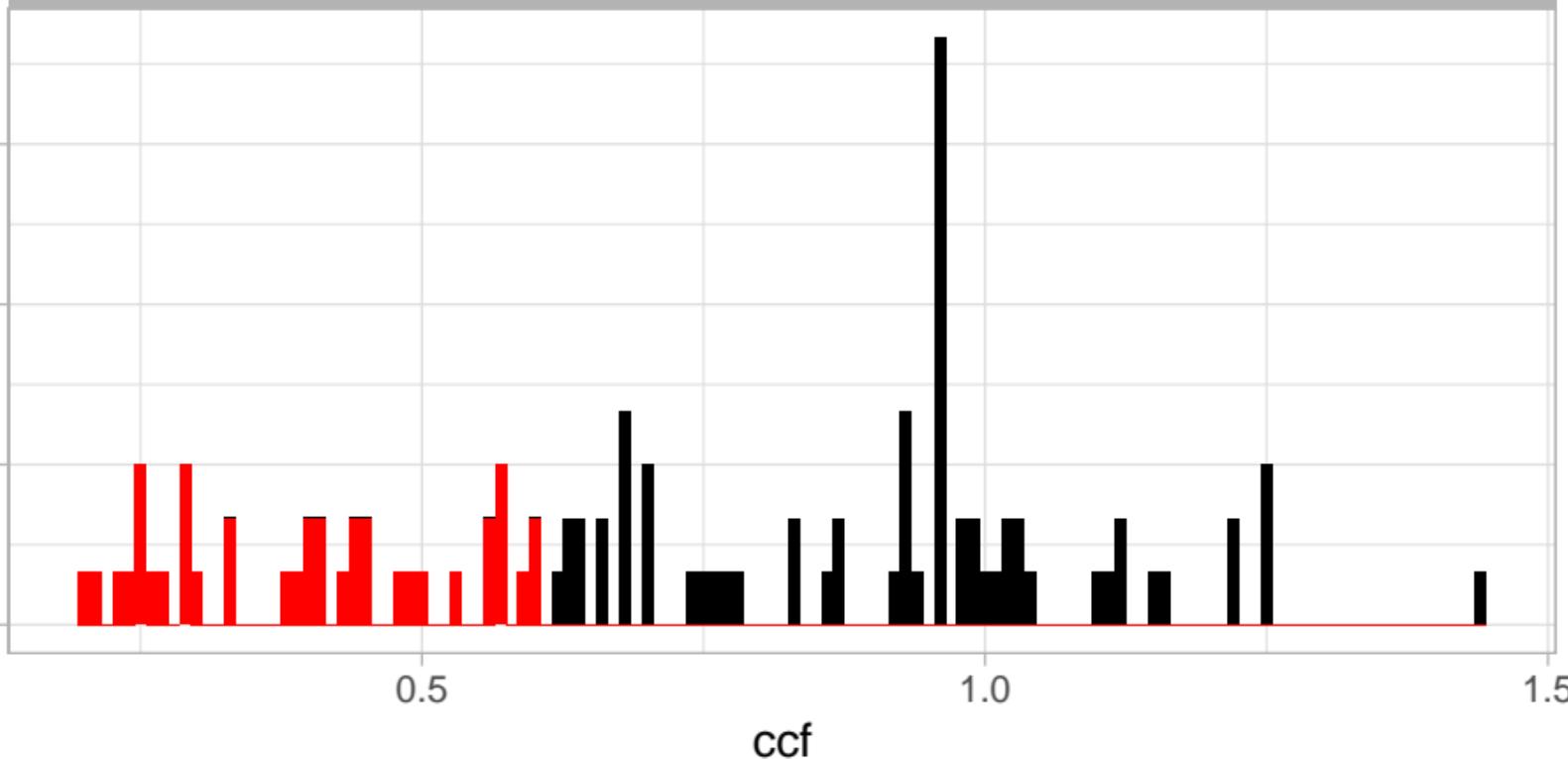
0.5

1.0

1.5

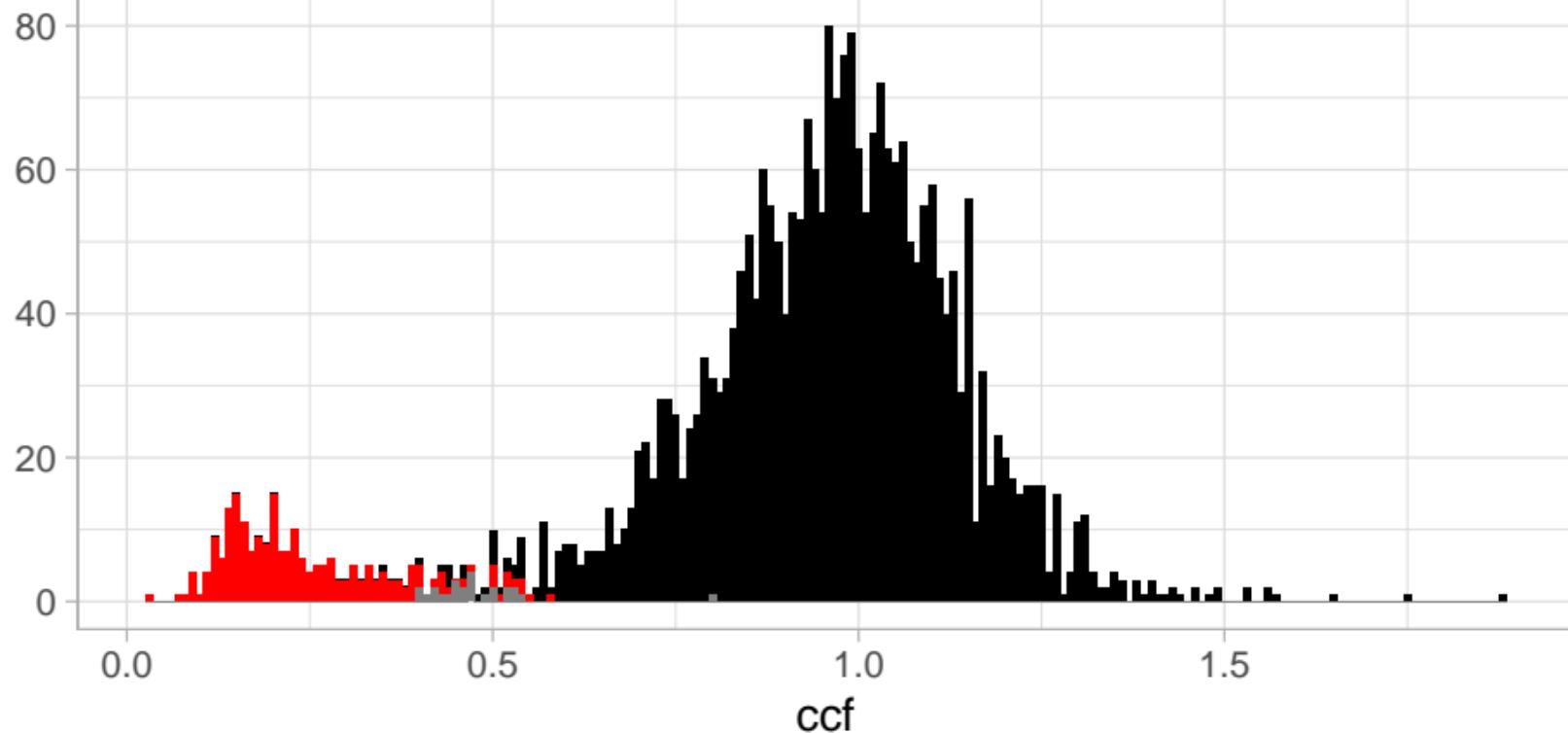
ccf

cluster ■ tail ■ clonal ■ subclonal



SA557381

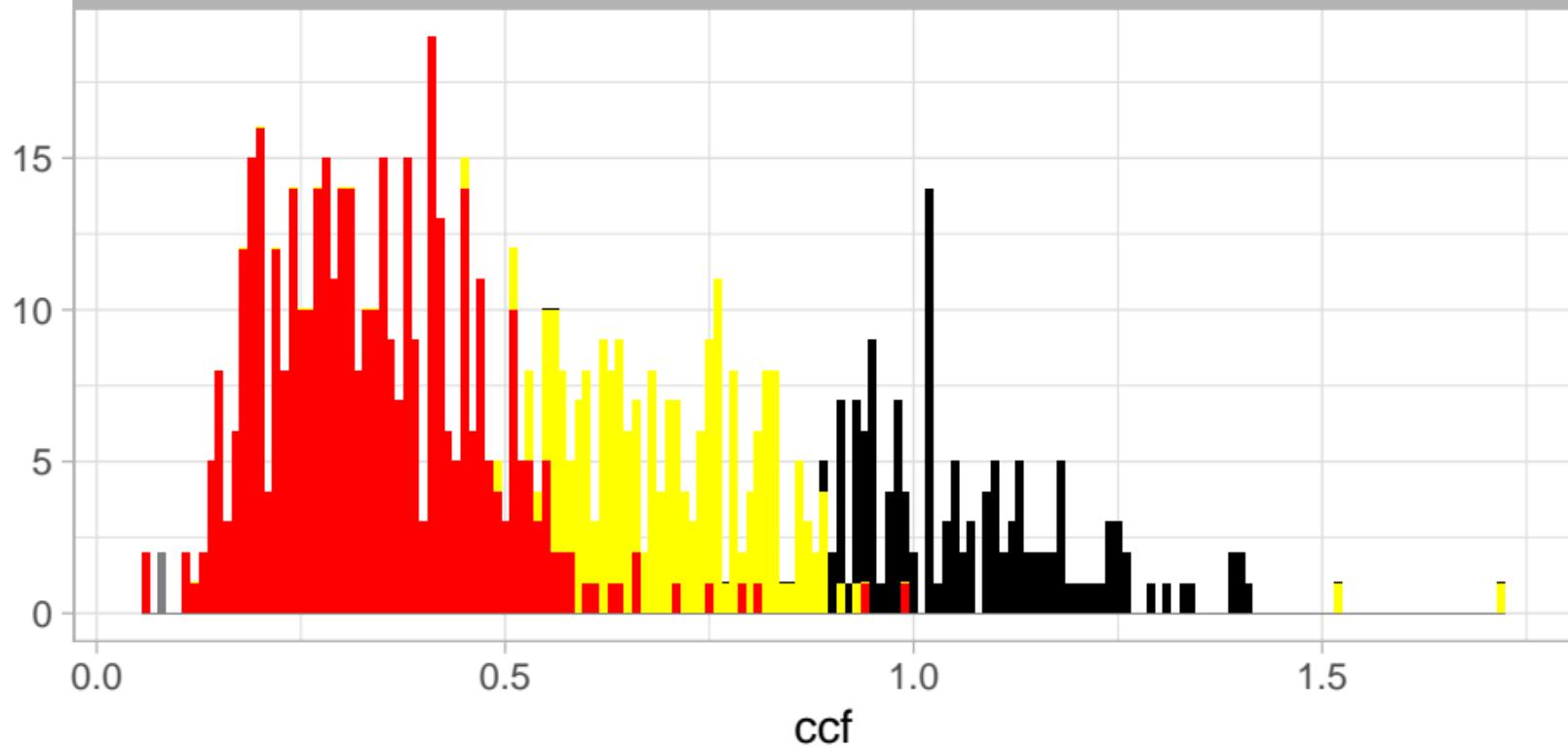
count



cluster ■ tail ■ clonal ■ subclonal

SA414026

count



cluster tail clonal subclonal

SA321048

count

400
200
0

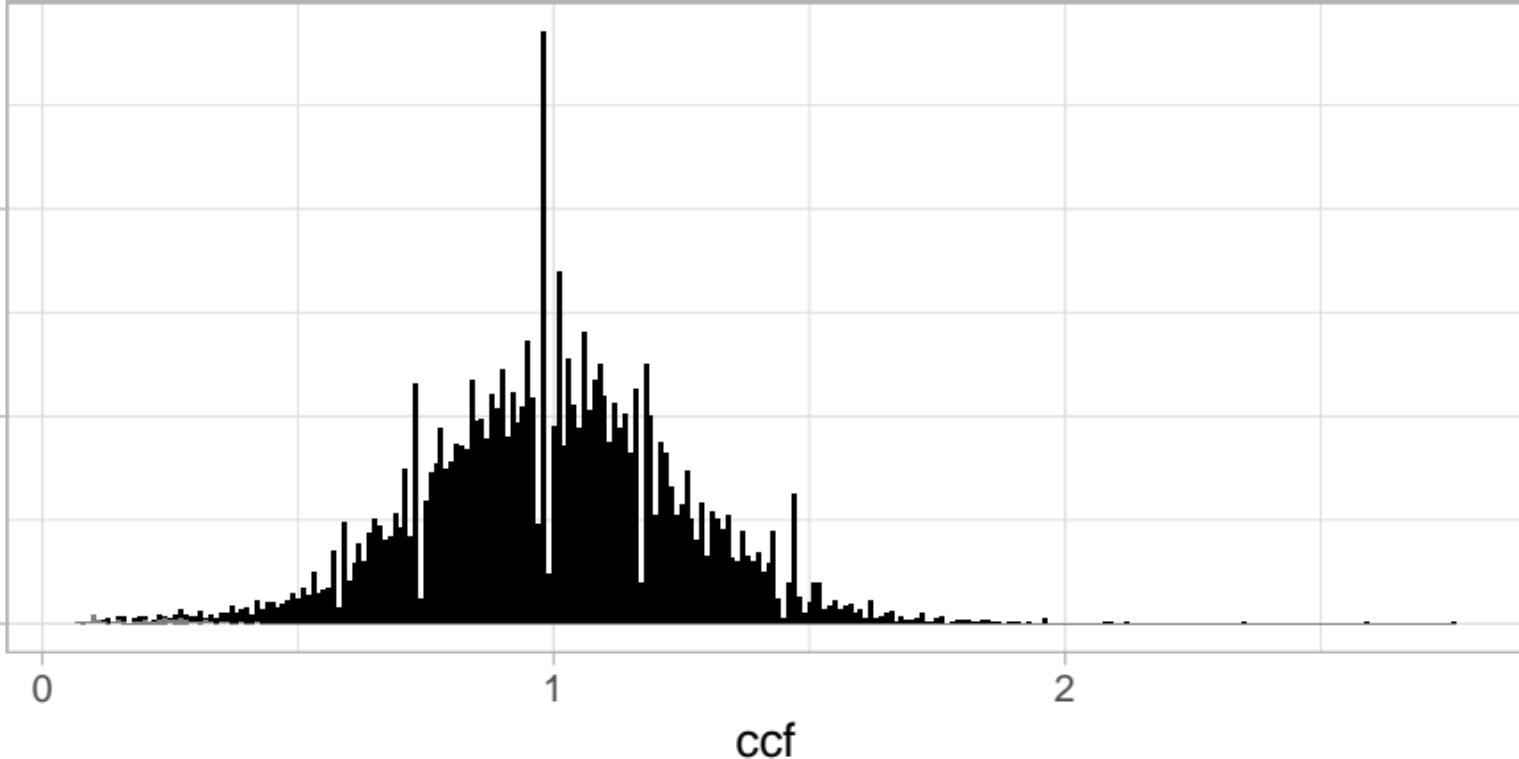
0

1

2

ccf

cluster tail clonal subclonal



SA85244

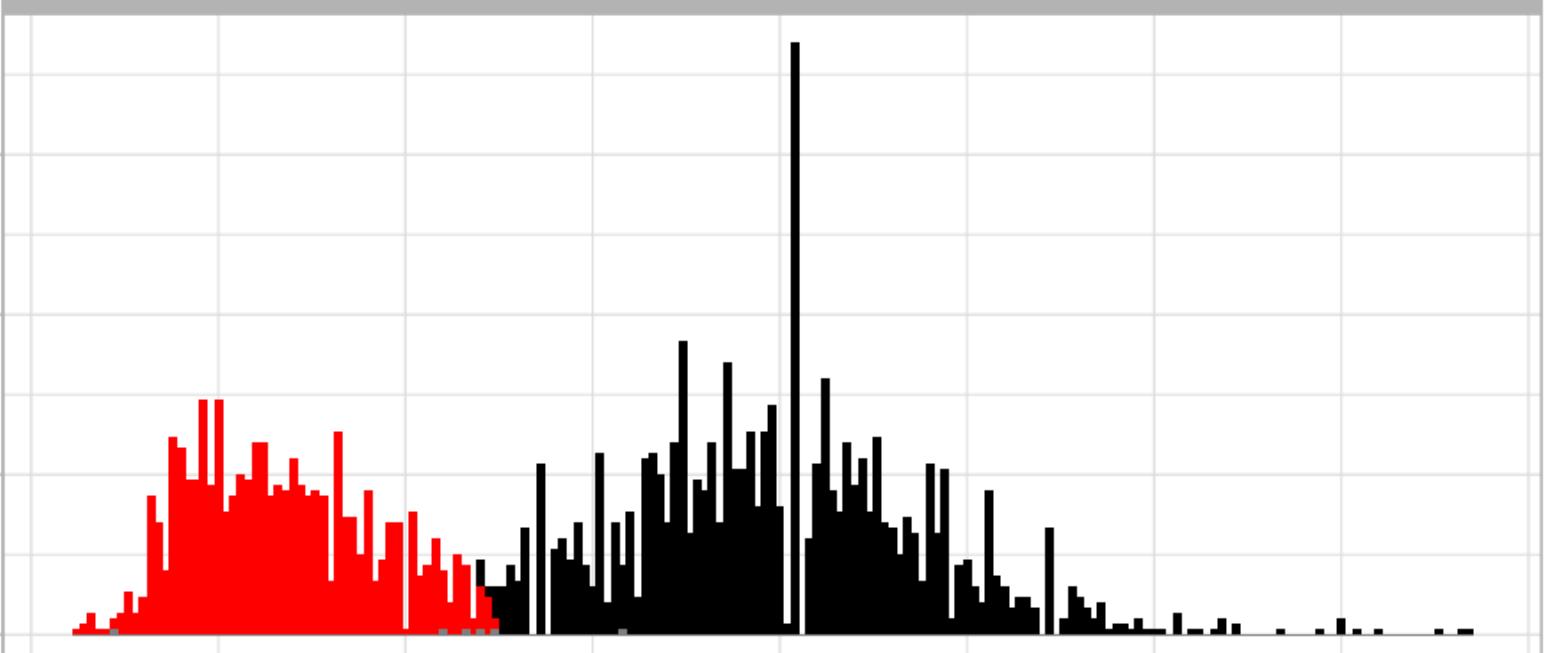
count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA507563

count

150

100

50

0

0.0

0.5

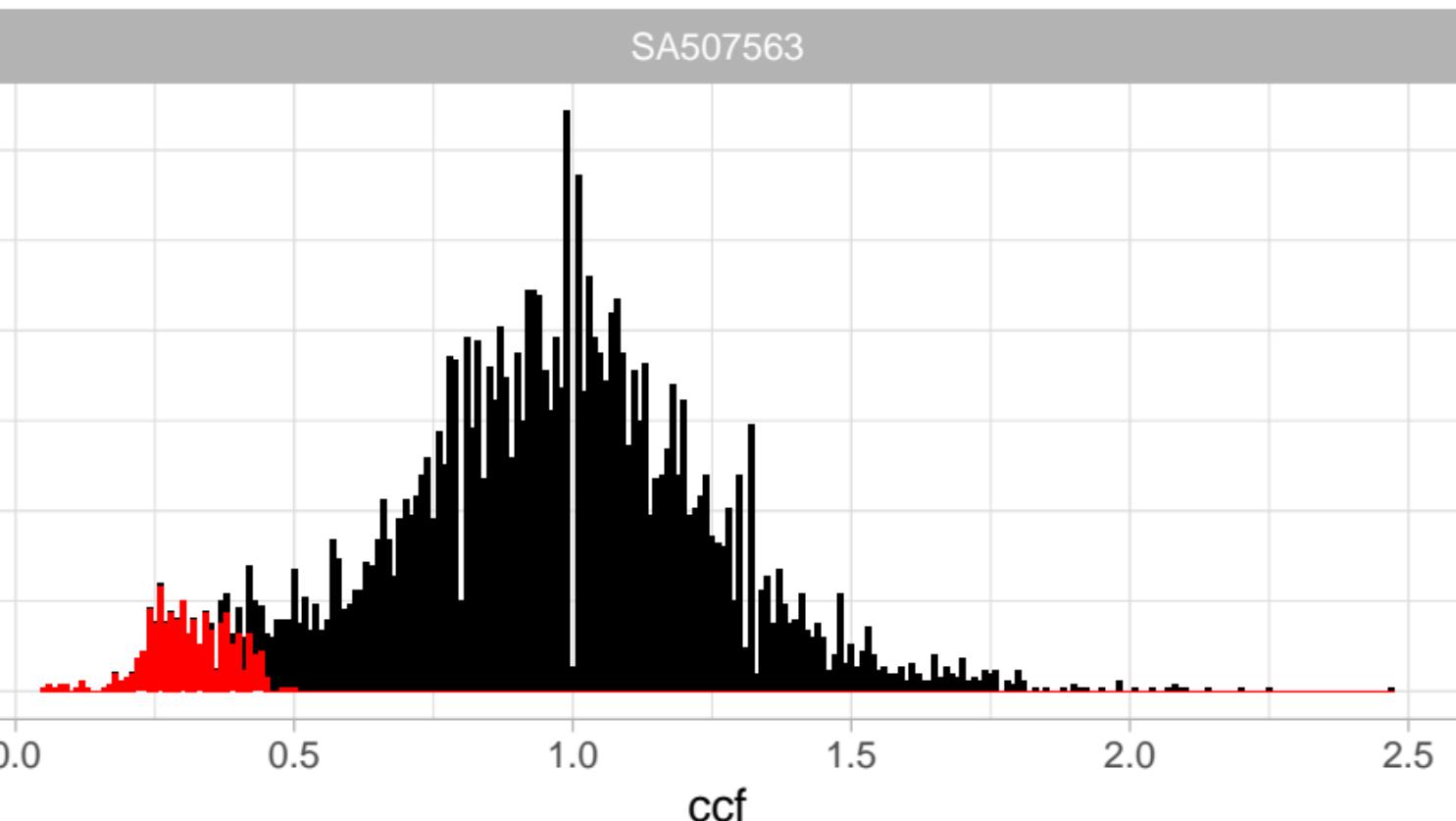
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA557537

count

2000

1500

1000

500

0

0.0

0.5

1.0

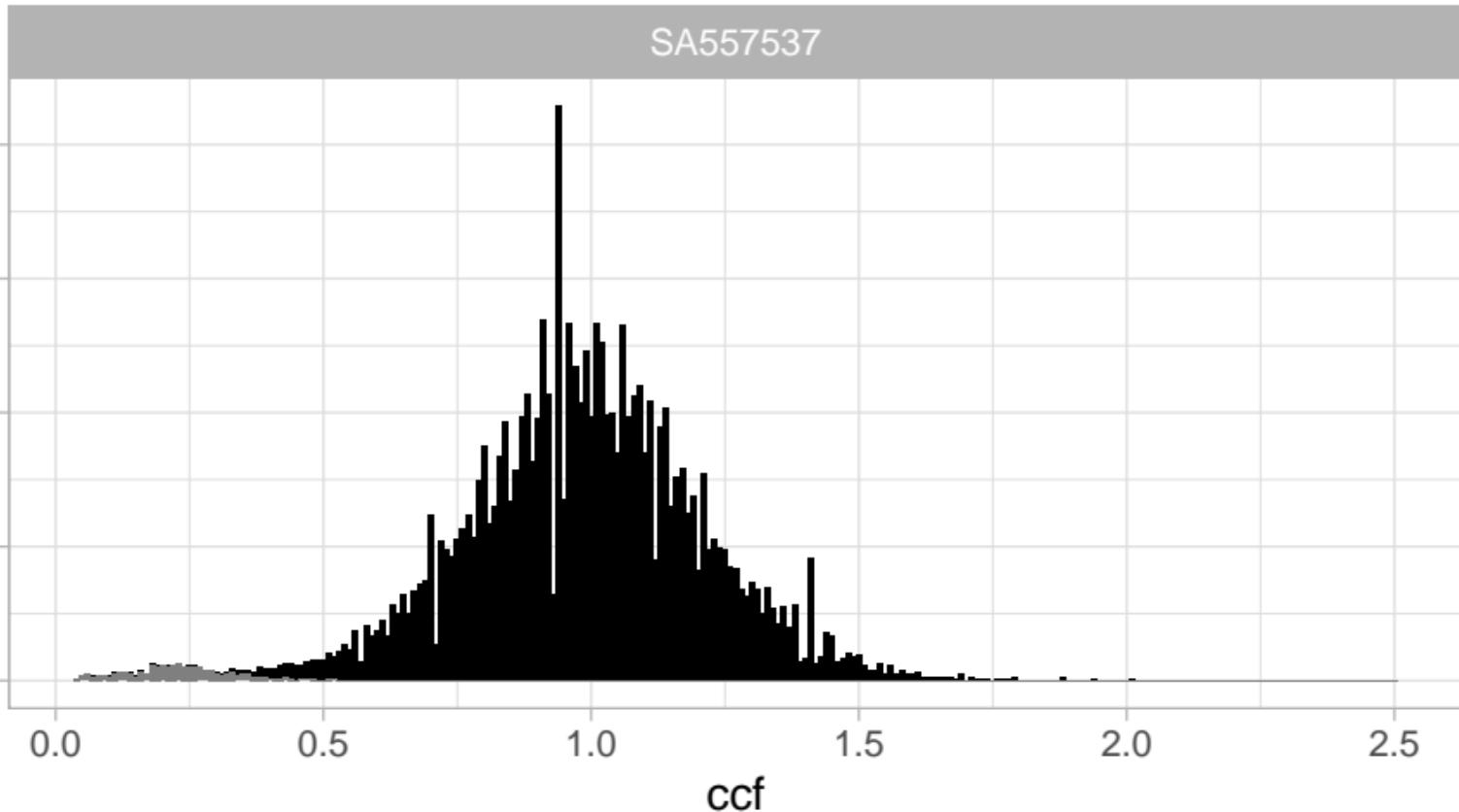
1.5

2.0

2.5

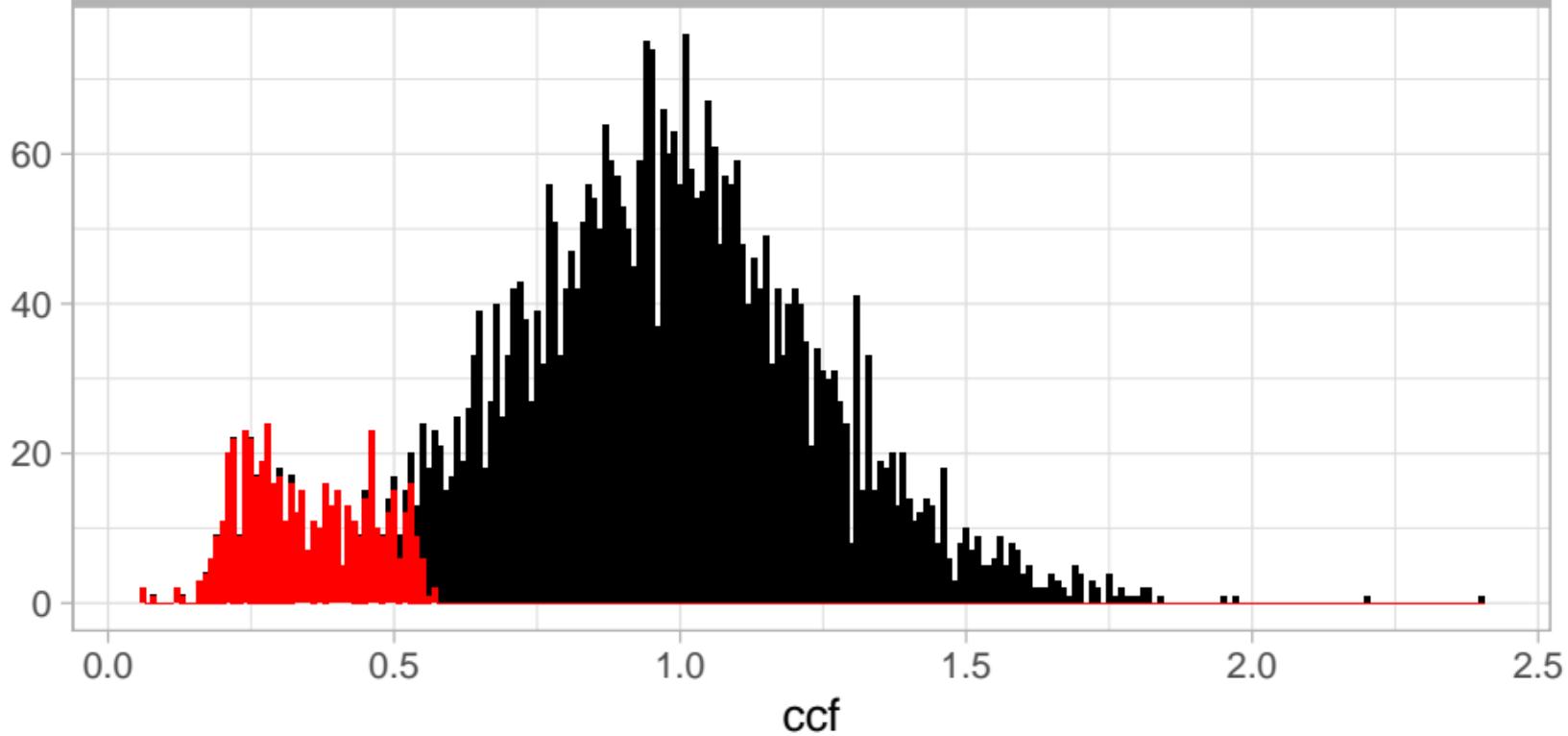
ccf

cluster ■ tail ■ clonal ■ subclonal



SA409327

count



cluster ■ tail ■ clonal ■ subclonal

SA506730

count

60

40

20

0

0.0

0.5

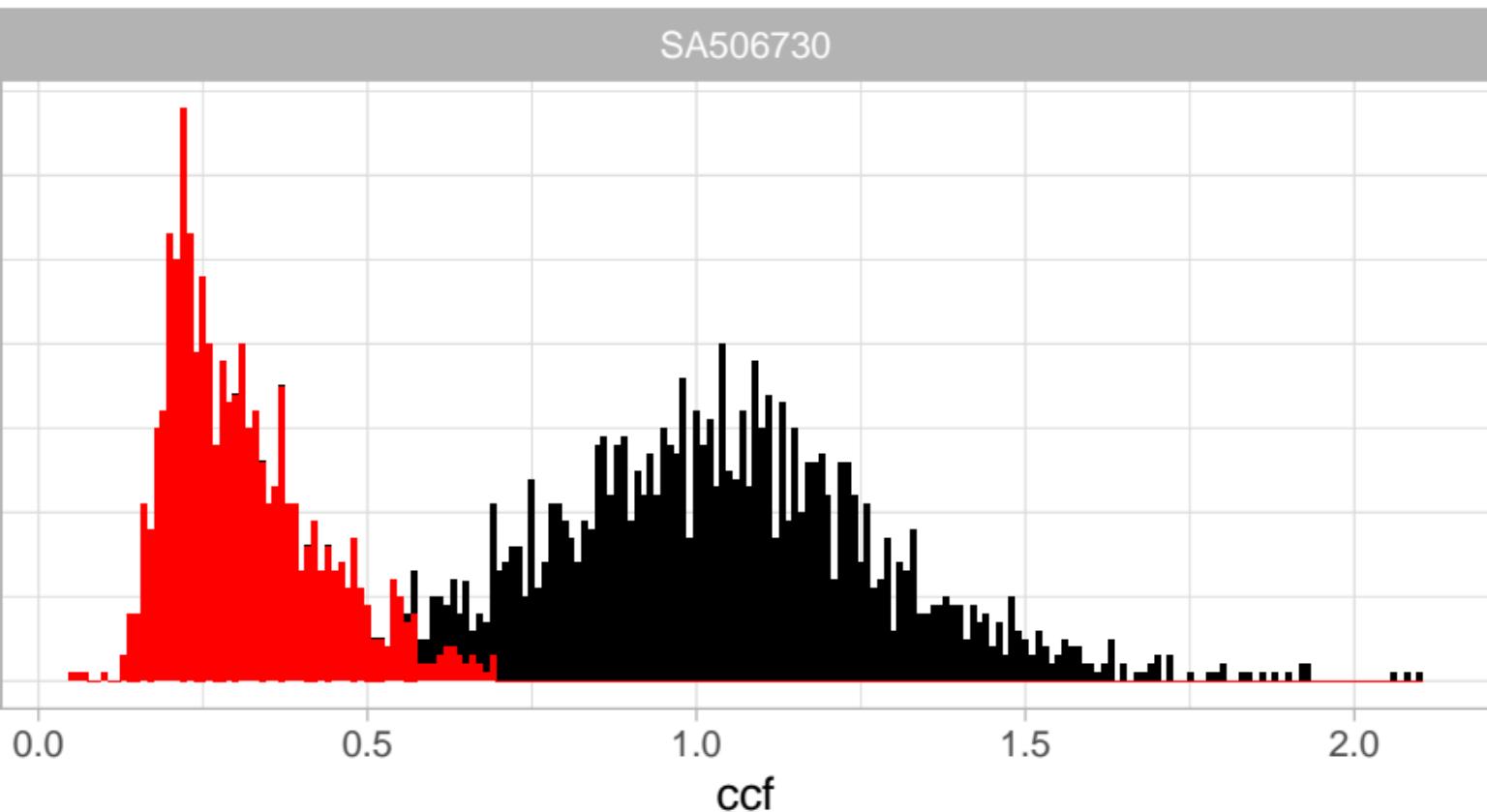
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA501397

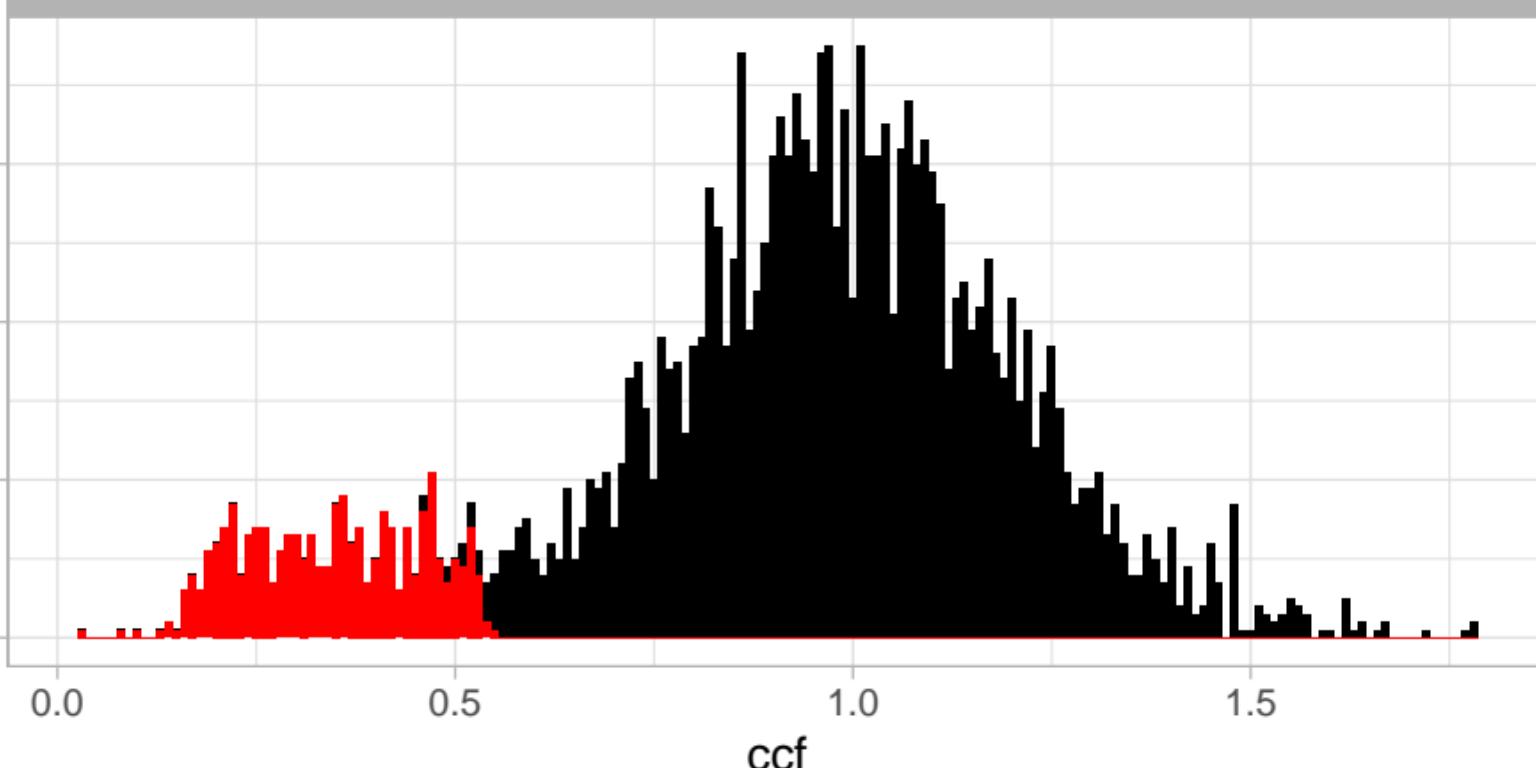
count

60
40
20
0

0.0 0.5 1.0 1.5

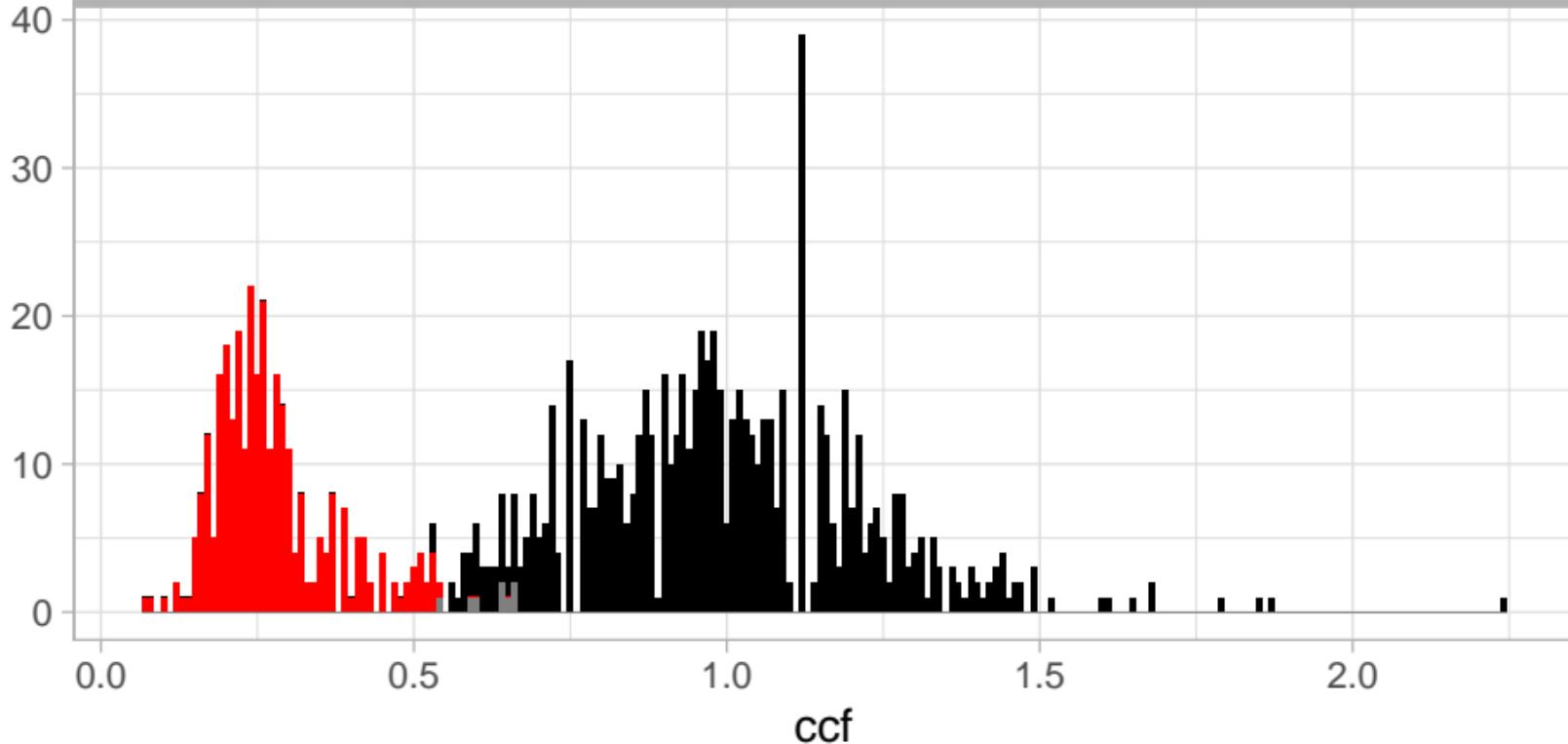
ccf

cluster tail clonal subclonal



SA517281

count



cluster ■ tail ■ clonal ■ subclonal

SA542173

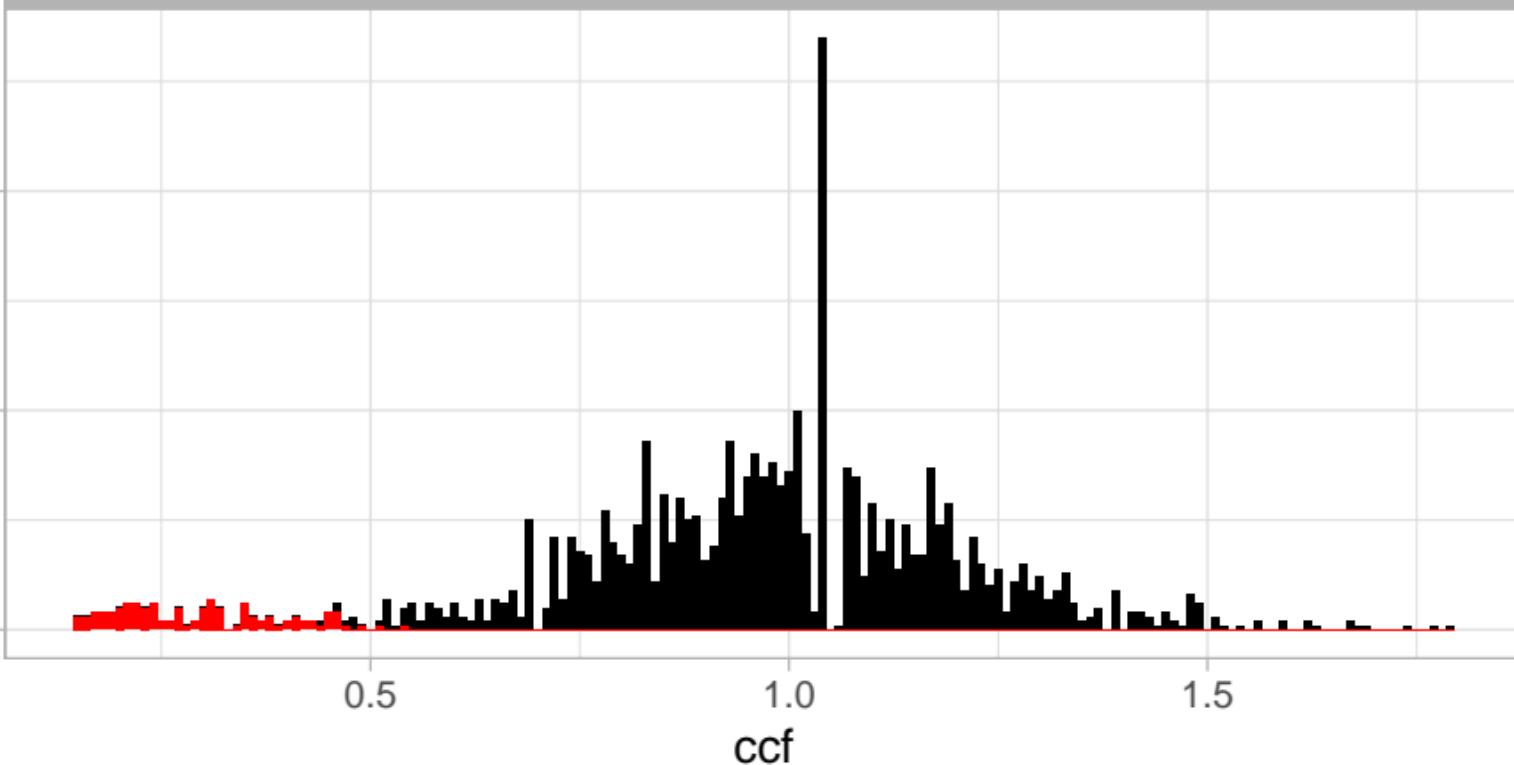
count

100
50
0

0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA86131

count

100

50

0

0.0

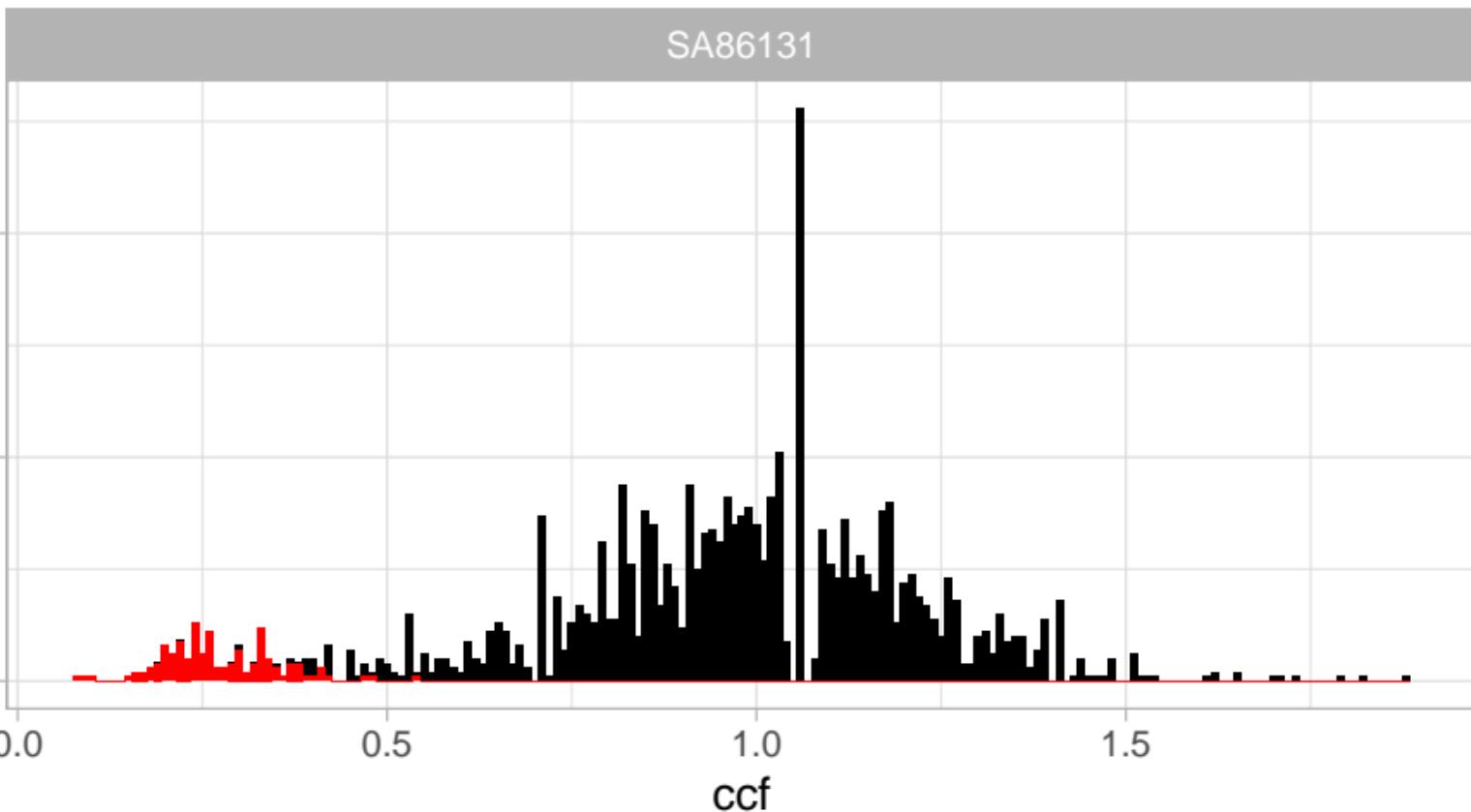
0.5

1.0

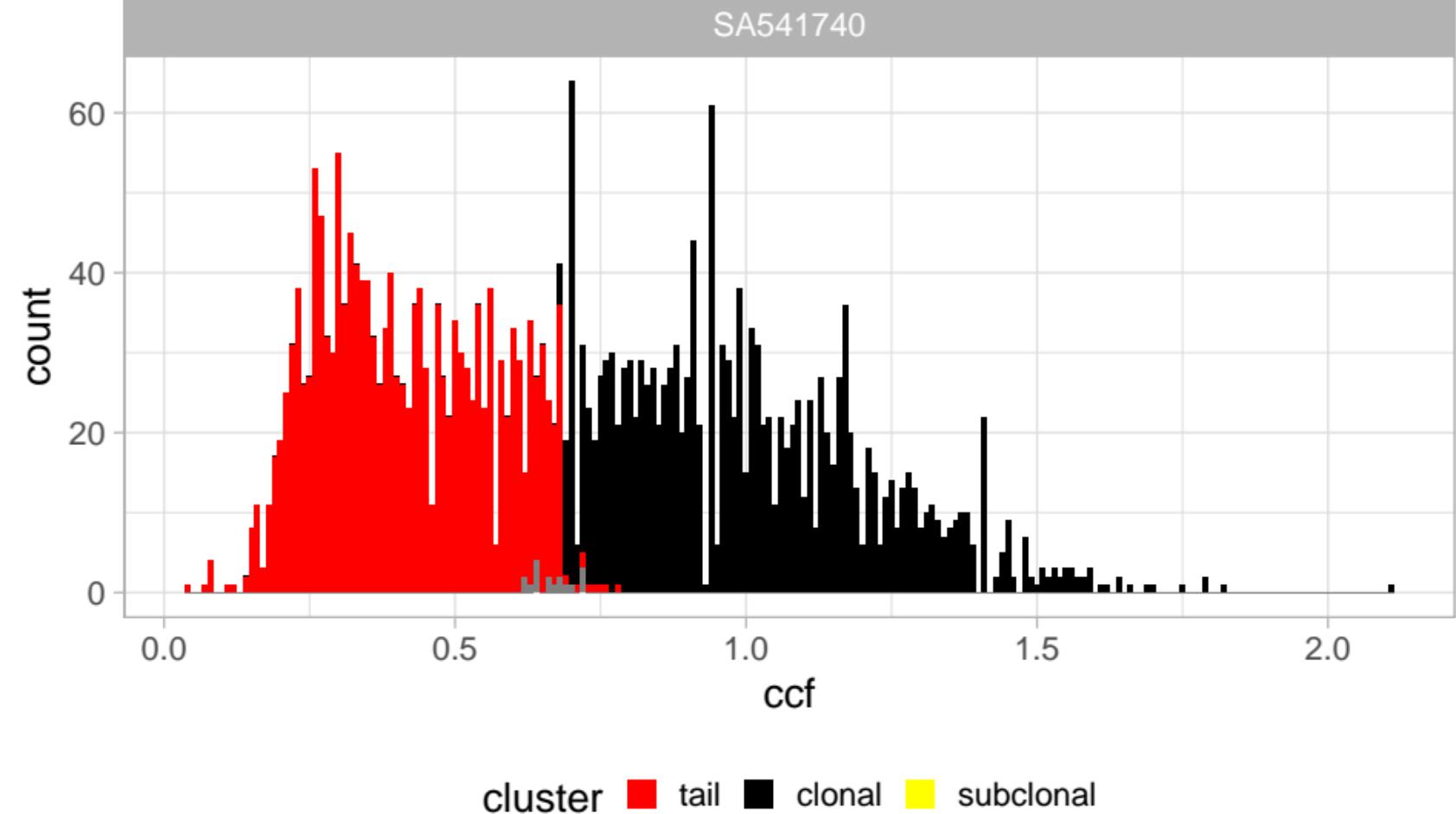
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA541740



SA507300

count

400
200
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA542114

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA515339

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA507463

count

100
50
0

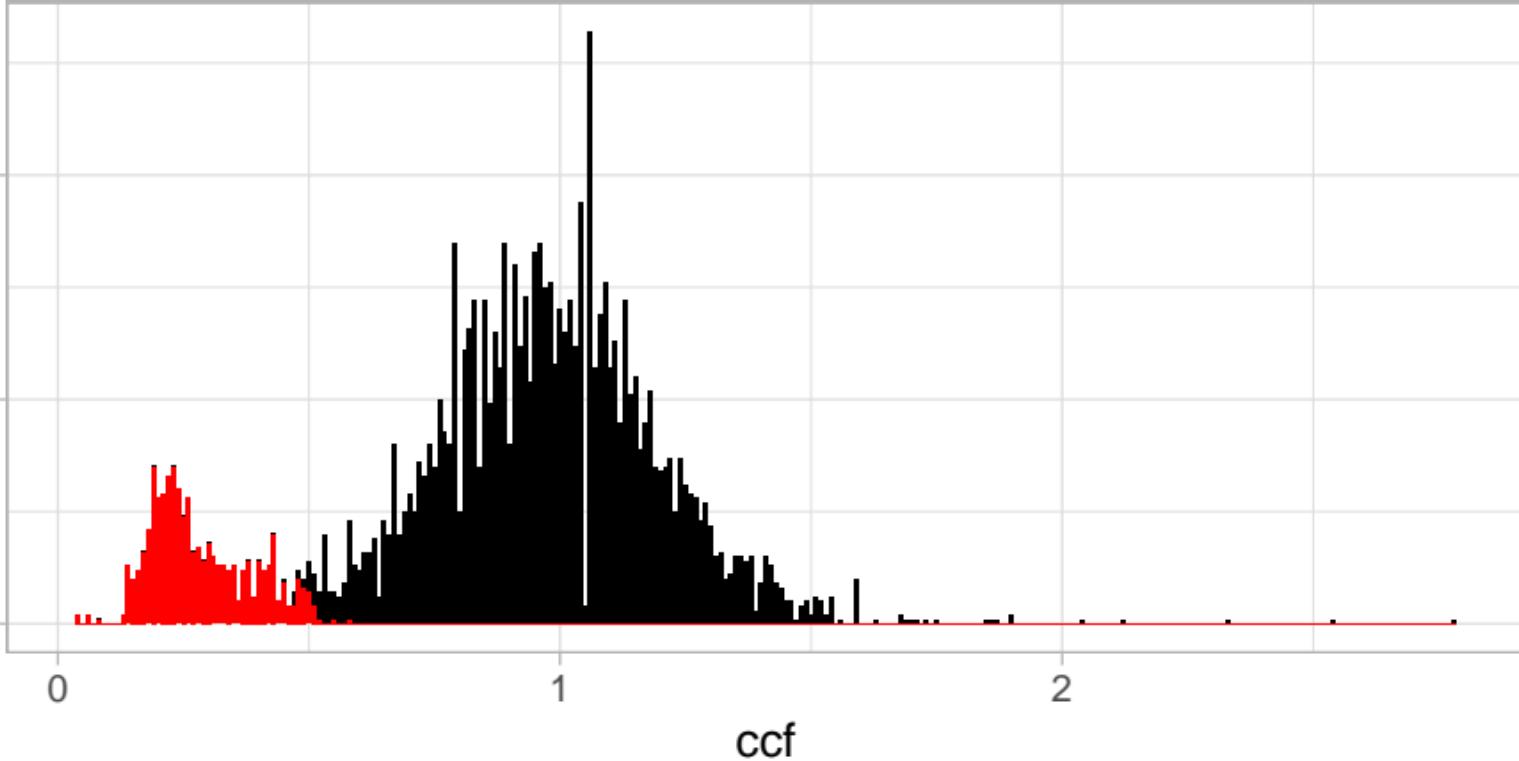
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA528920

count

600
400
200
0

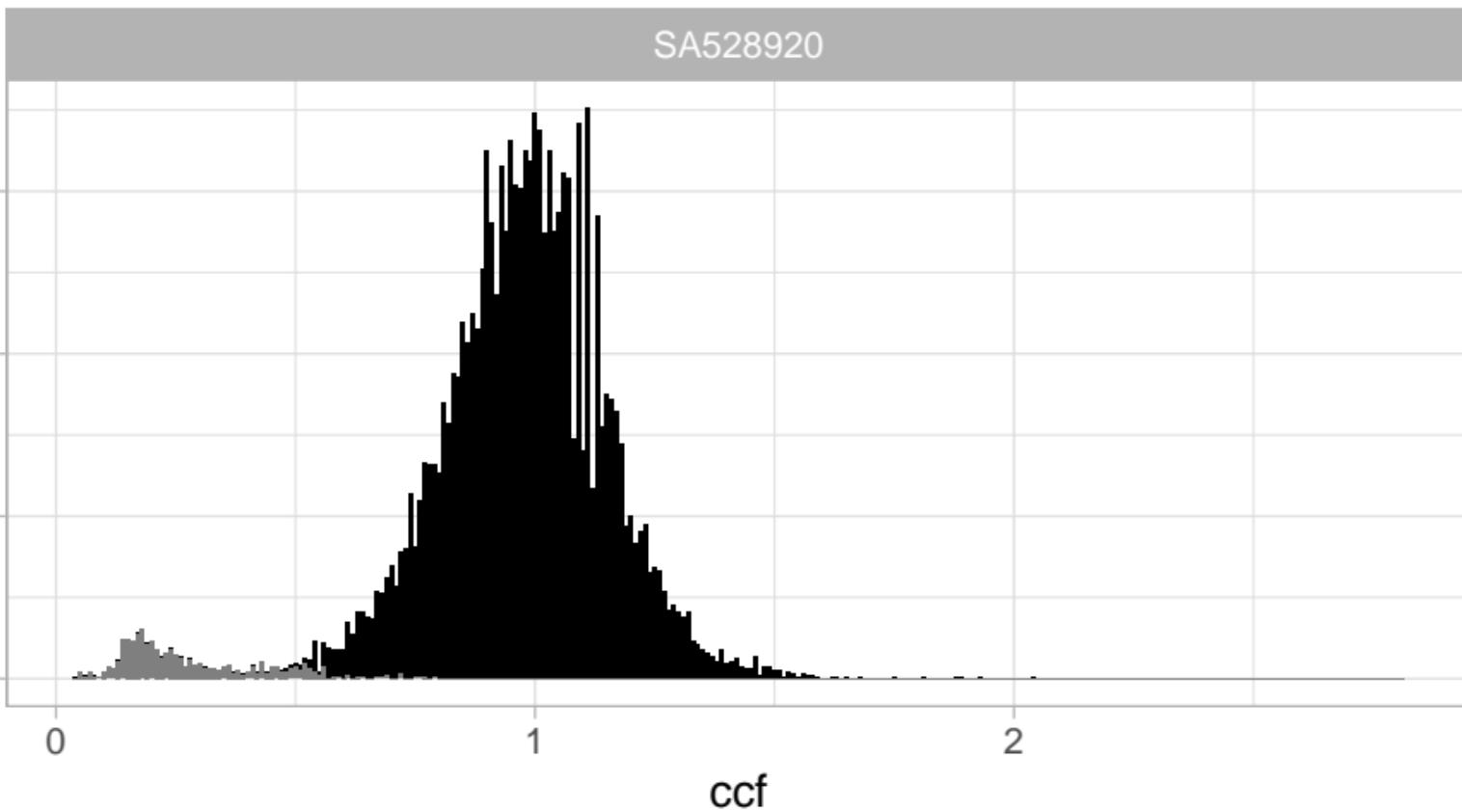
0

1

2

ccf

cluster tail clonal subclonal



SA501431

count

400
300
200
100
0

1.0

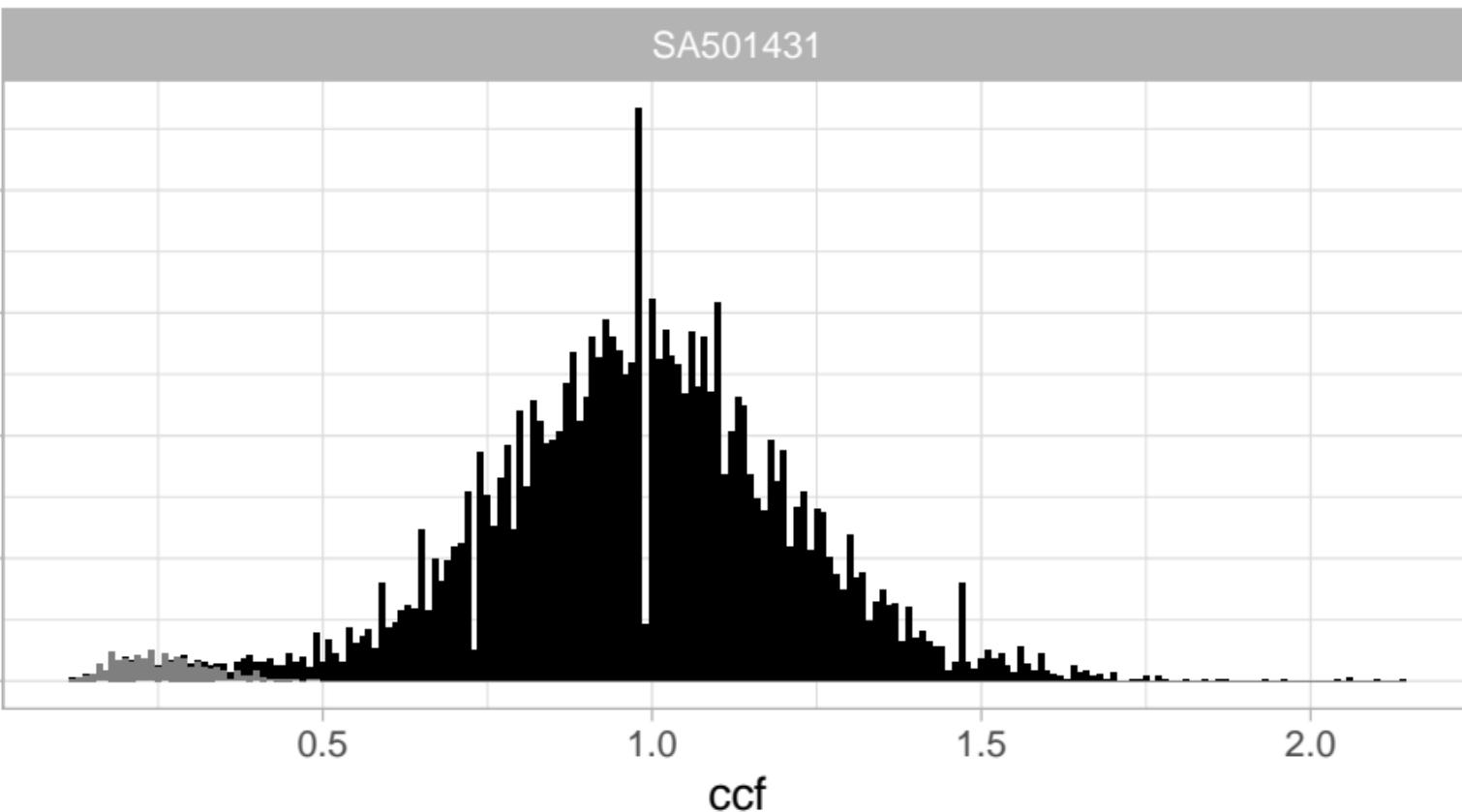
0.5

1.5

2.0

ccf

cluster tail clonal subclonal



SA506672

count

60

40

20

0

0.0

0.5

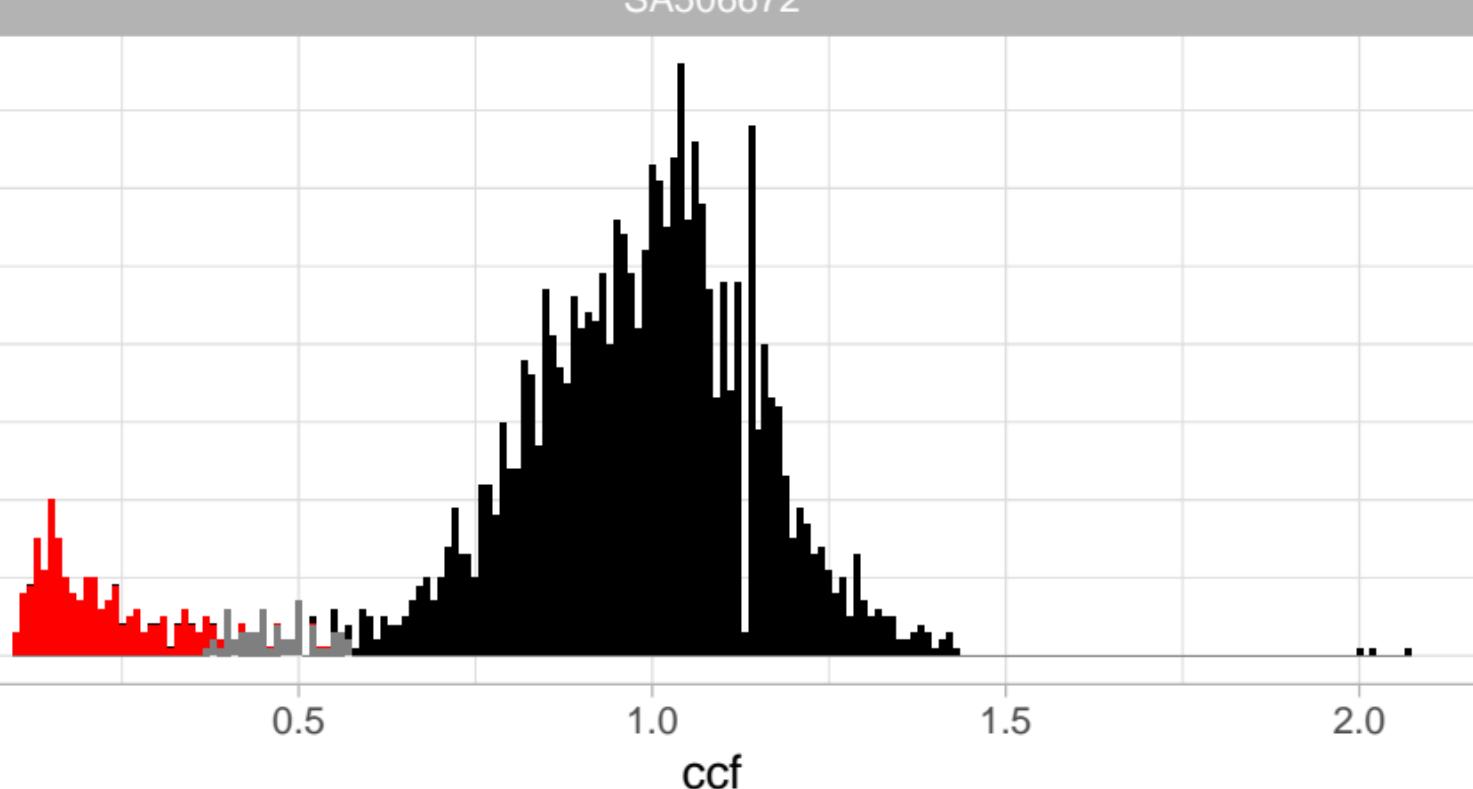
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA520290

count

150

100

50

0

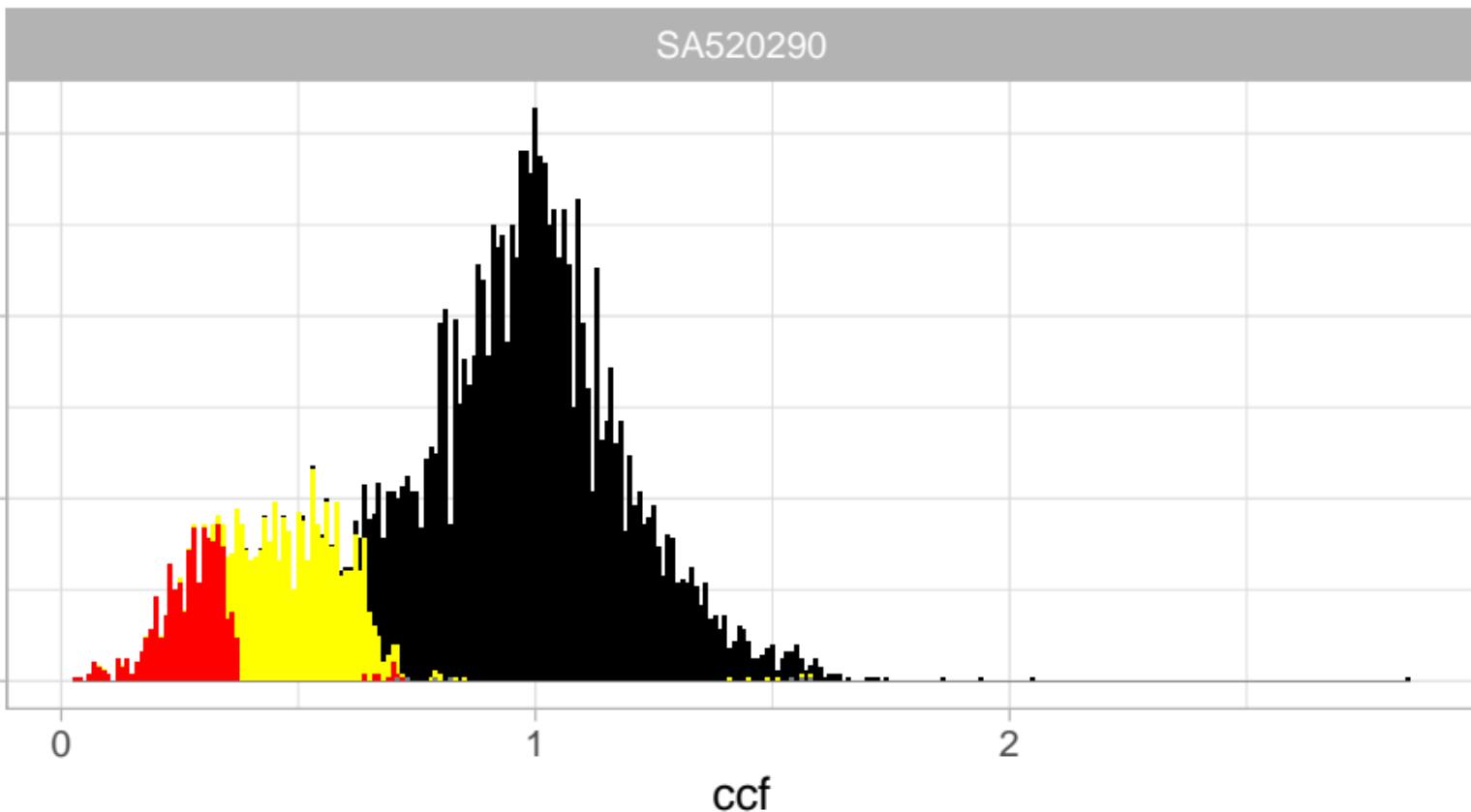
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533613

count

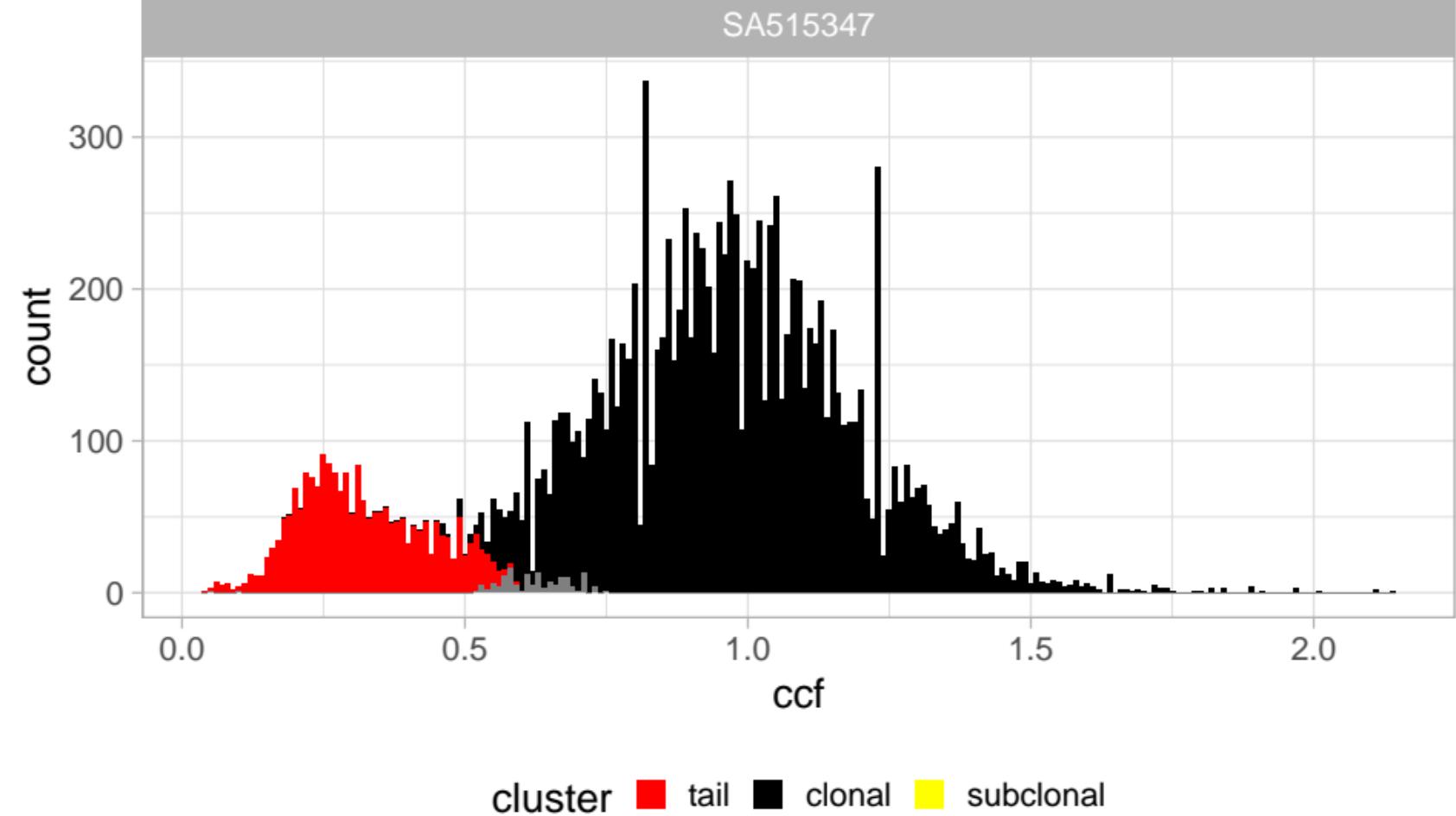
100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA515347



SA533669

count

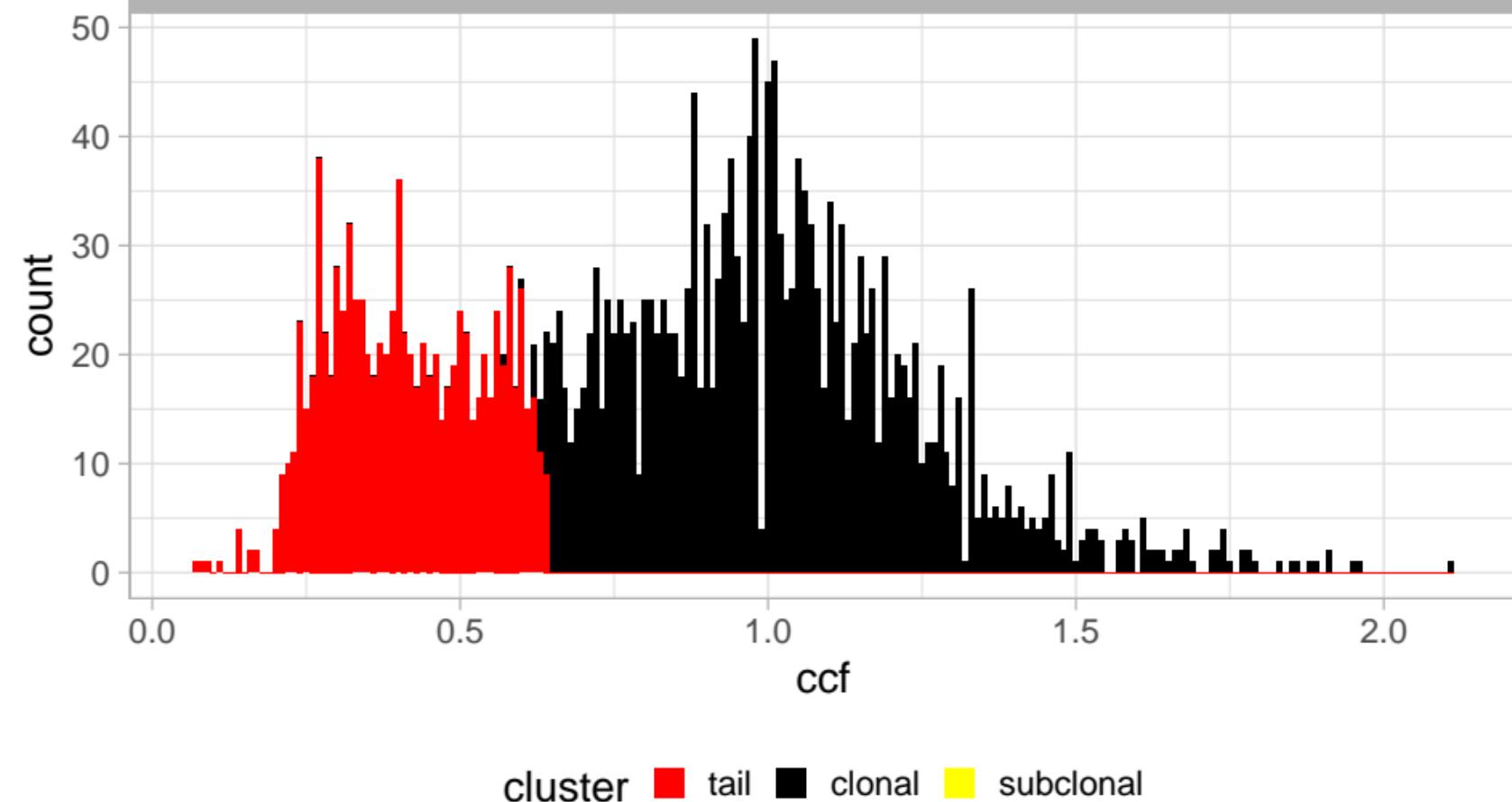
200
100
0

0 1 2 3

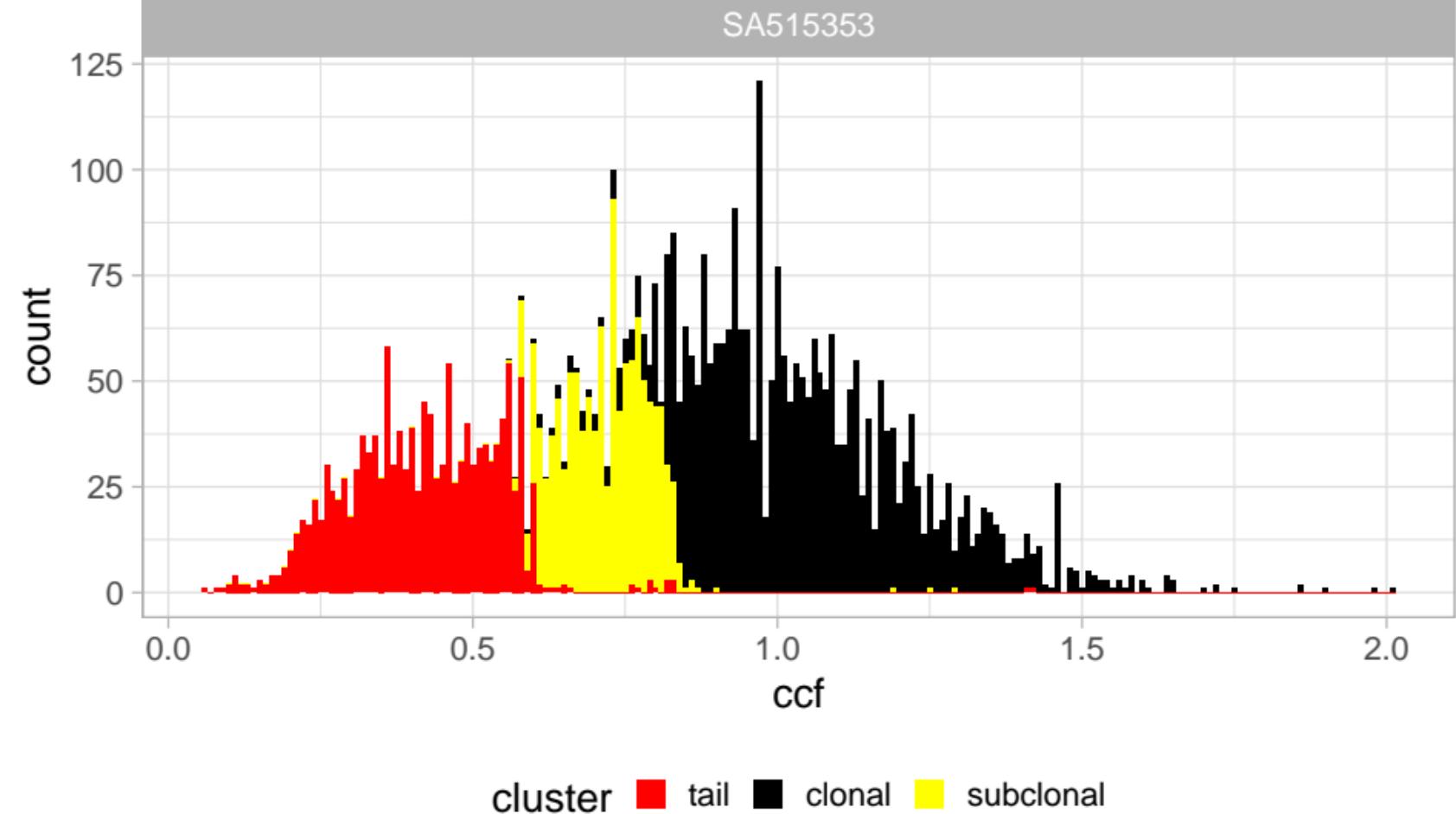
ccf

cluster tail clonal subclonal

SA530632



SA515353



SA413930

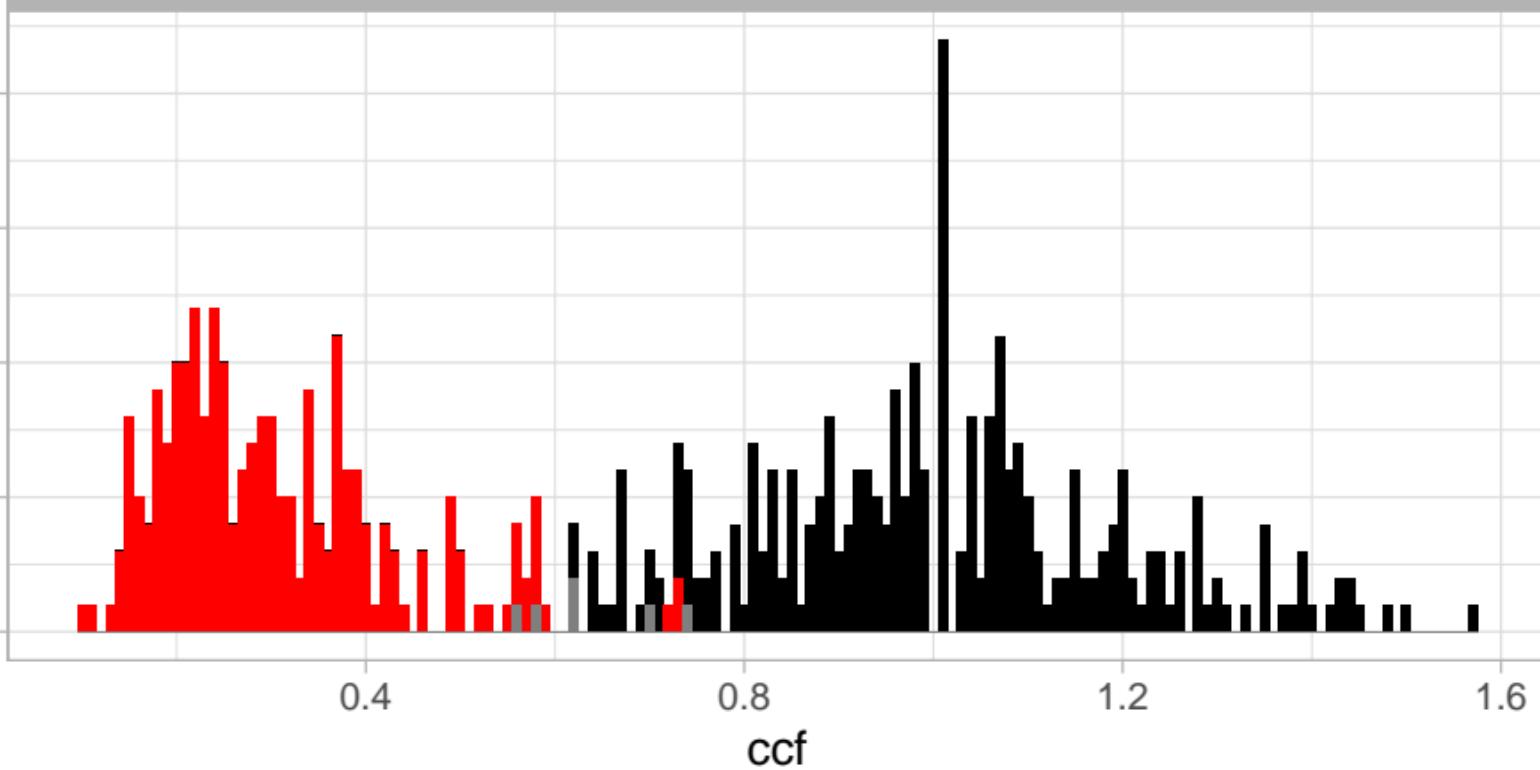
count

20
15
10
5
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA501411

count

200
100
0

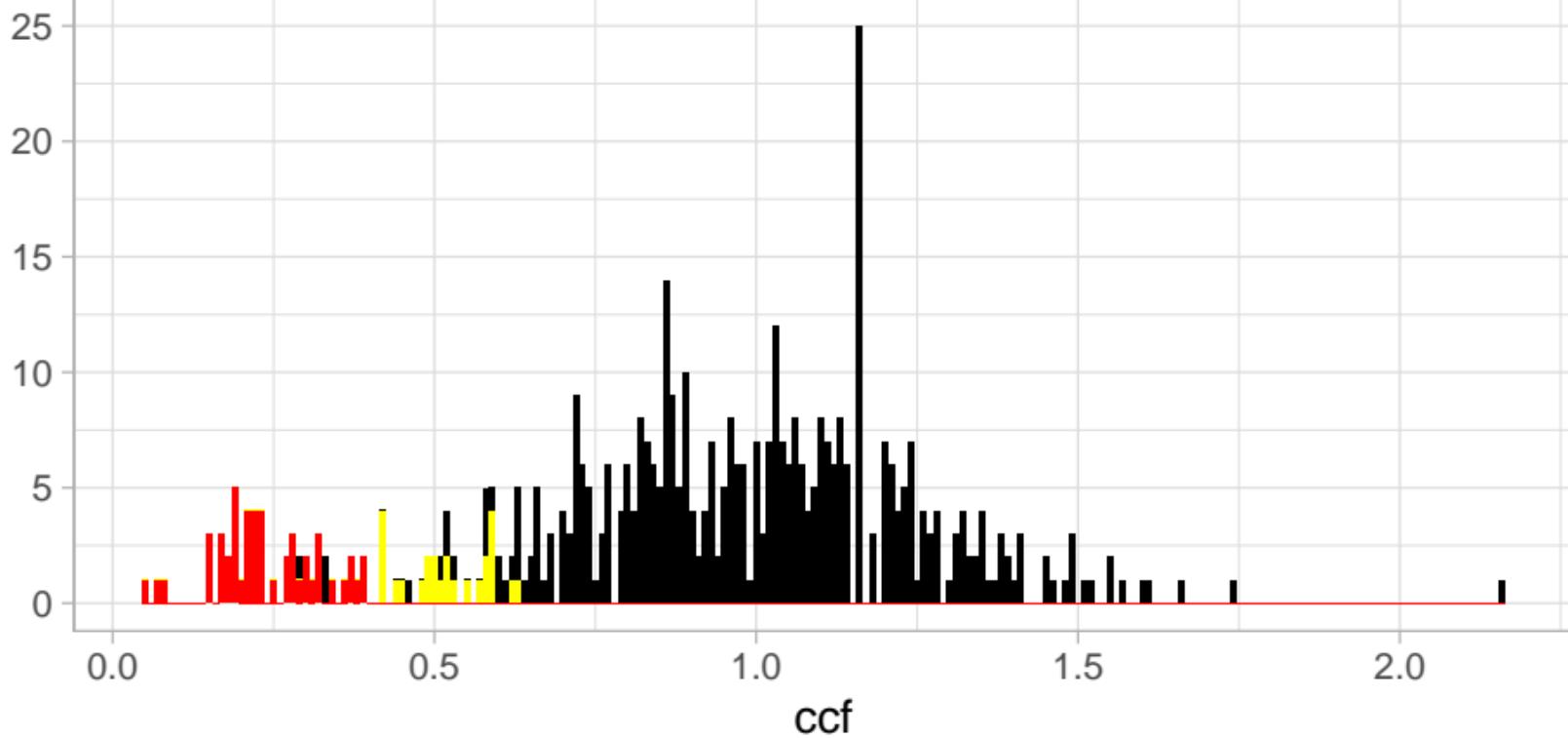
0 1 2 3

ccf

cluster tail clonal subclonal

SA517381

count



cluster ■ tail ■ clonal ■ subclonal

SA413508

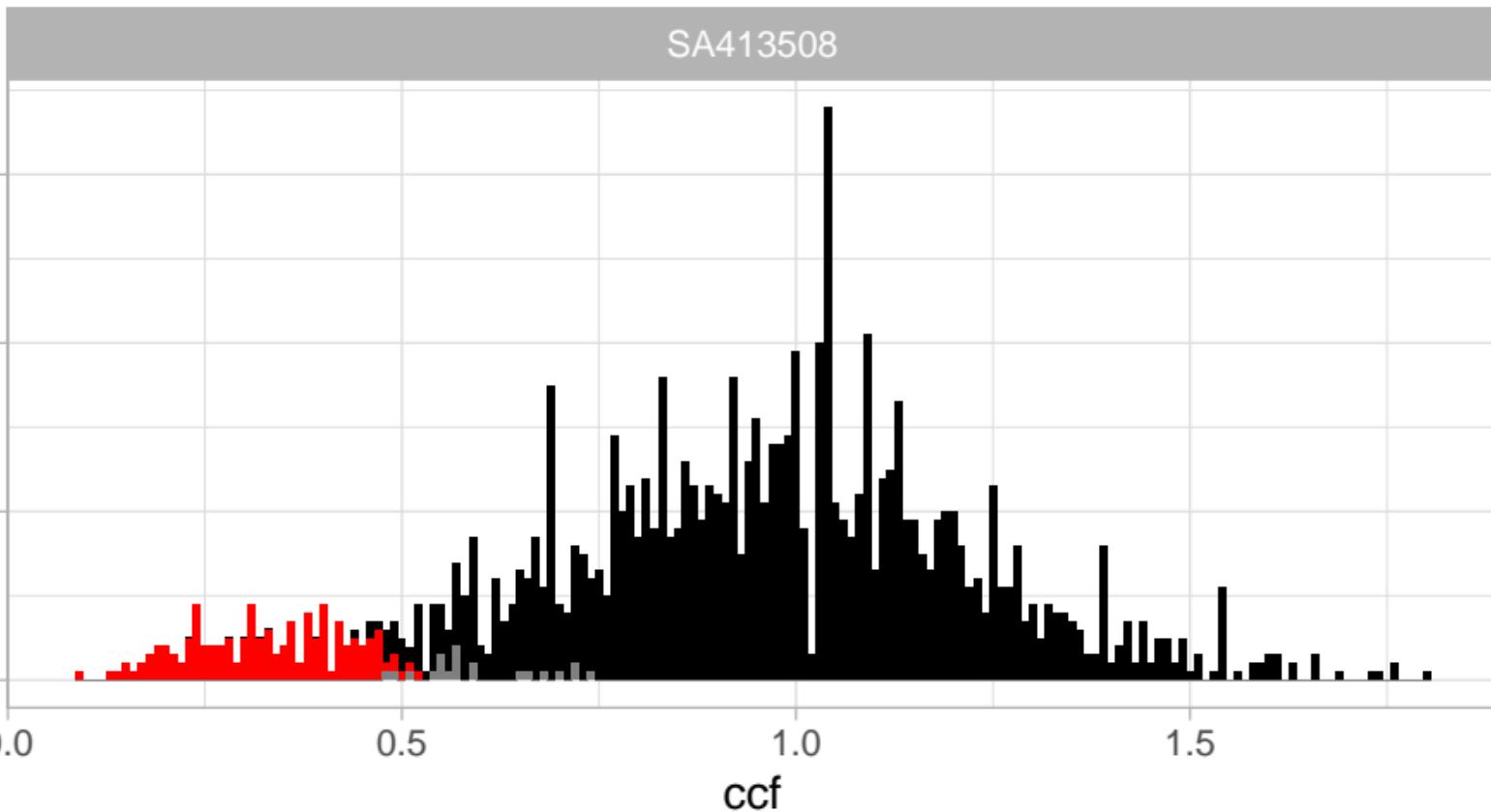
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA86126

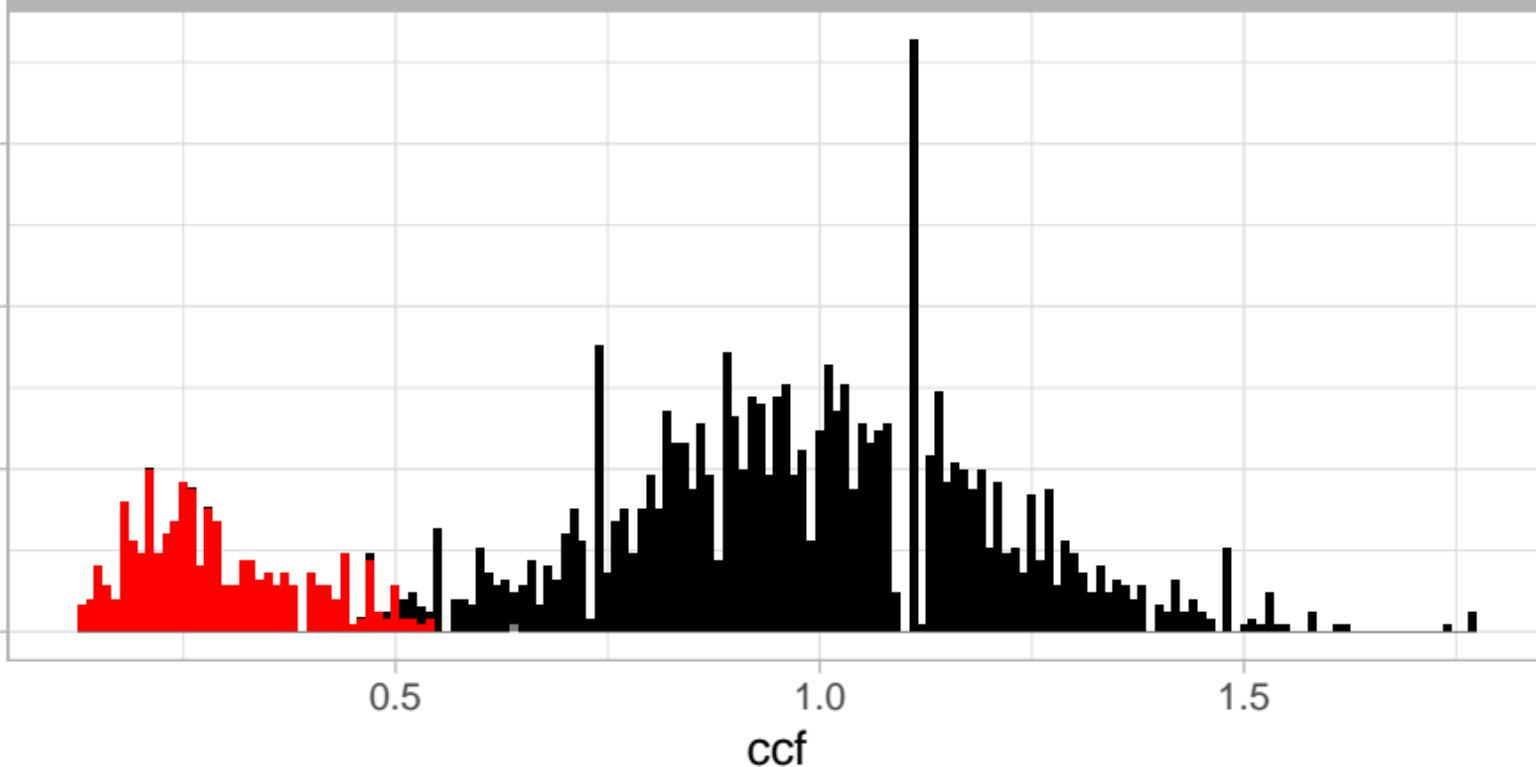
count

75
50
25
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA515360

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA558710

count

120

80

40

0

0.0

0.5

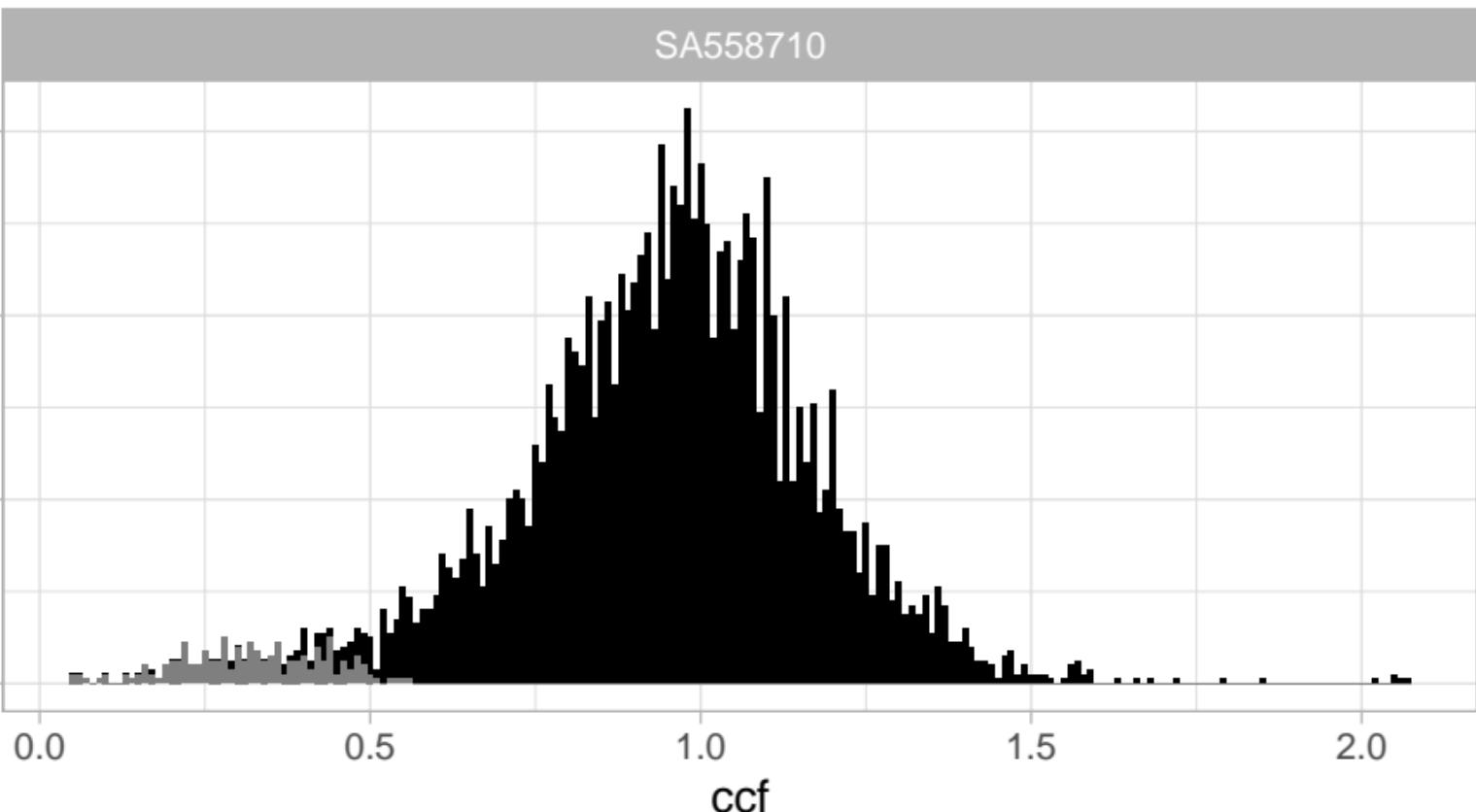
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA413742

count

6
4
2
0

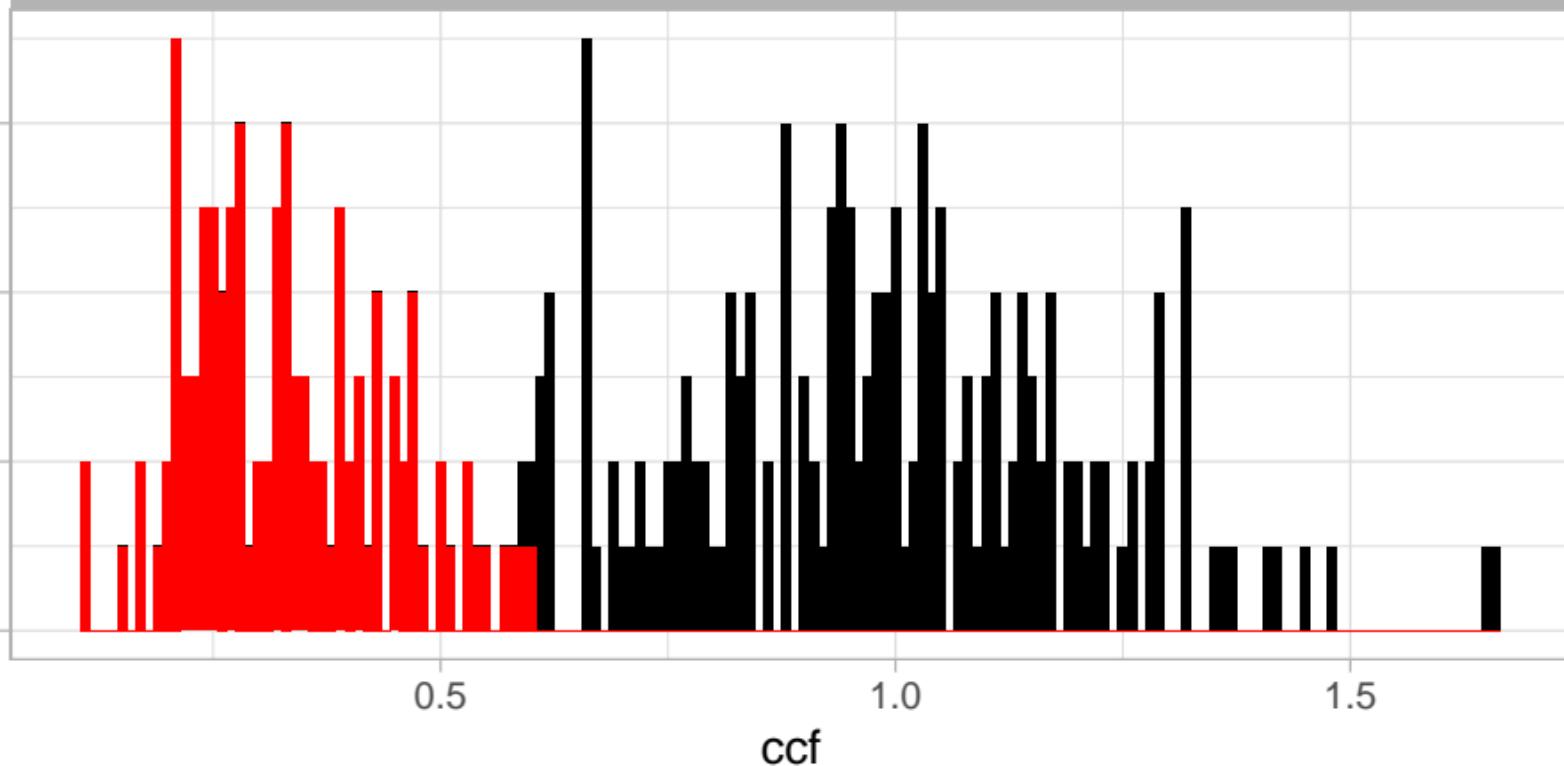
0.5

1.0

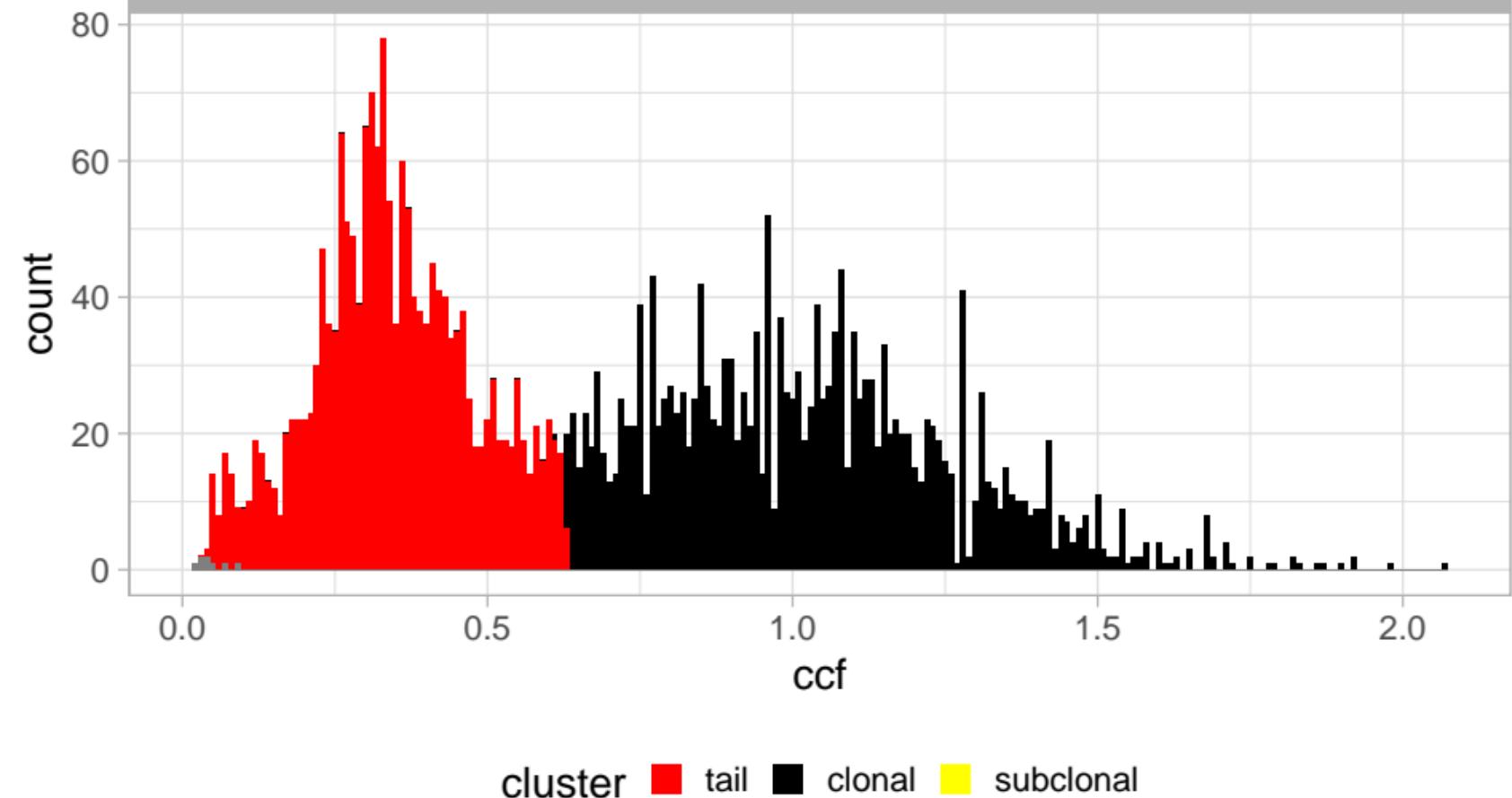
1.5

ccf

cluster tail clonal subclonal

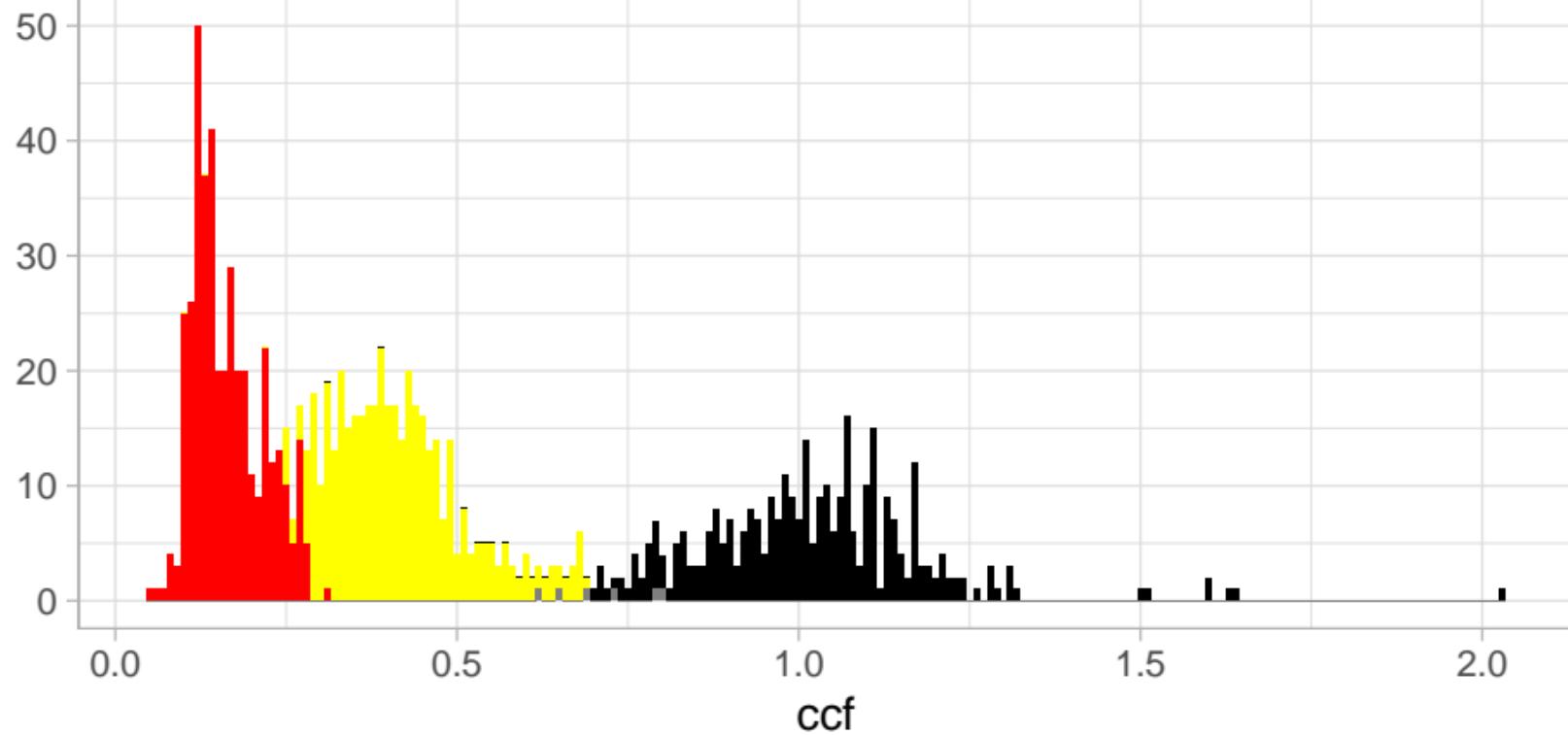


SA506736



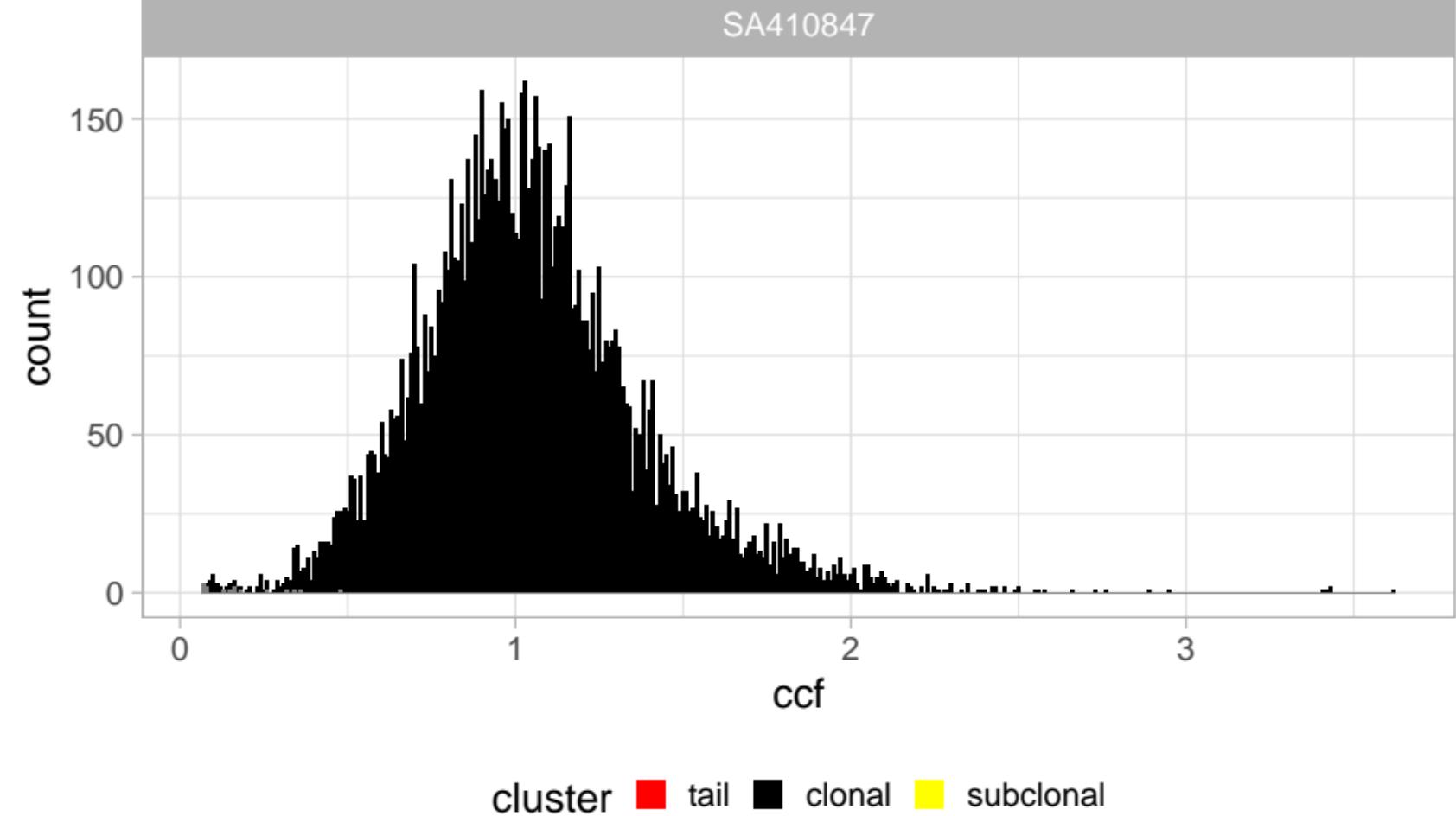
SA506648

count



cluster ■ tail ■ clonal ■ subclonal

SA410847



SA557321

count

200

100

0

0.0

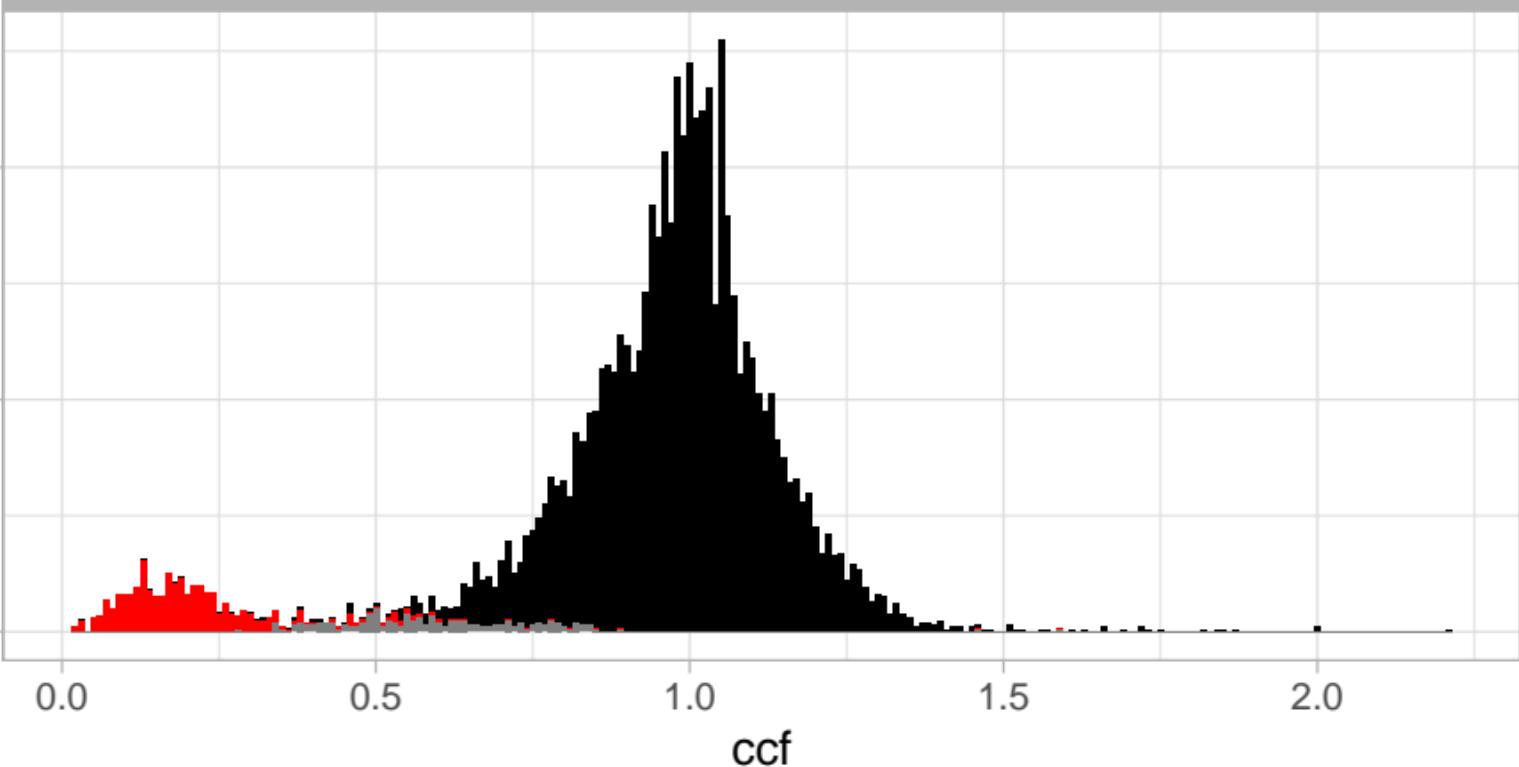
0.5

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA411825

count

75
50
25
0

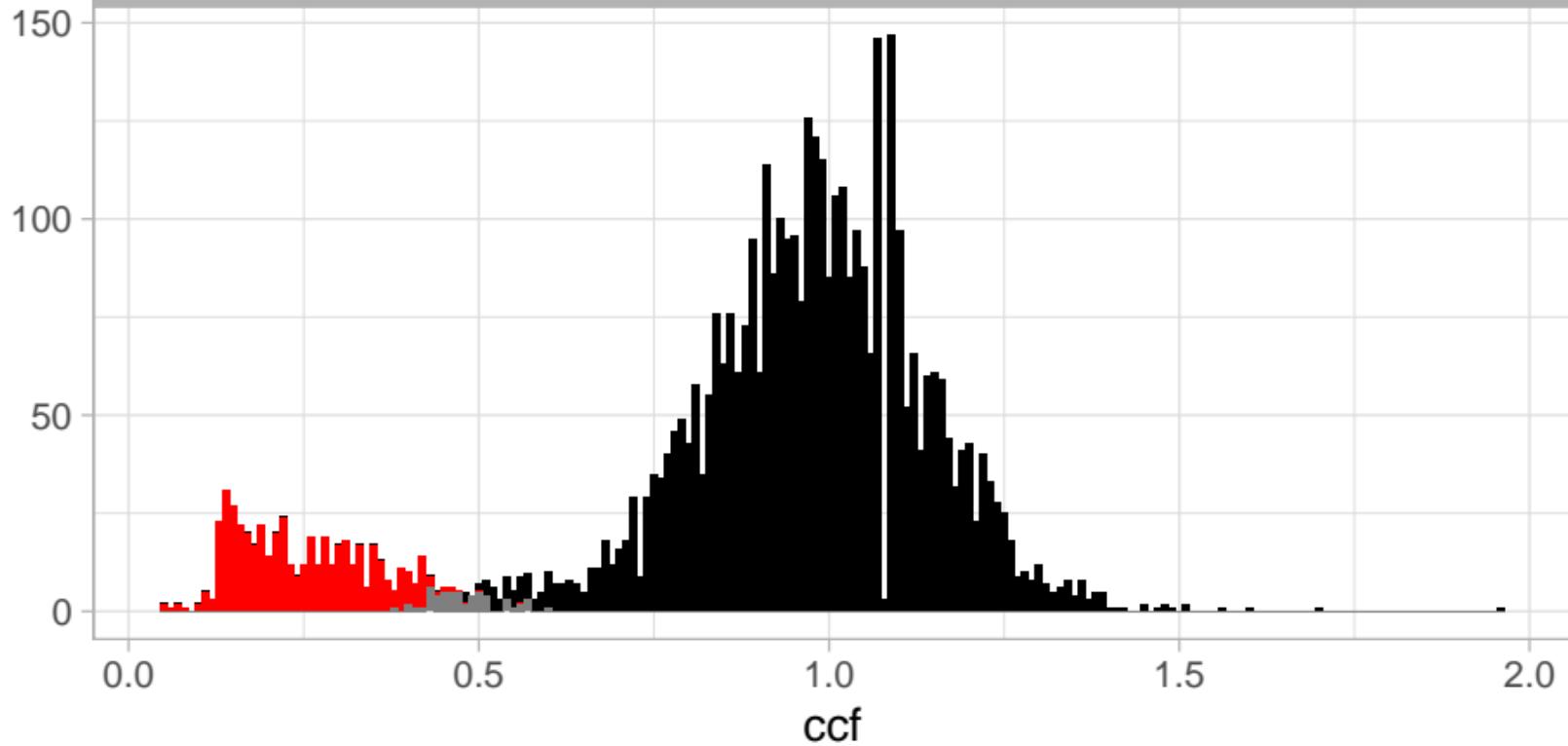
0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

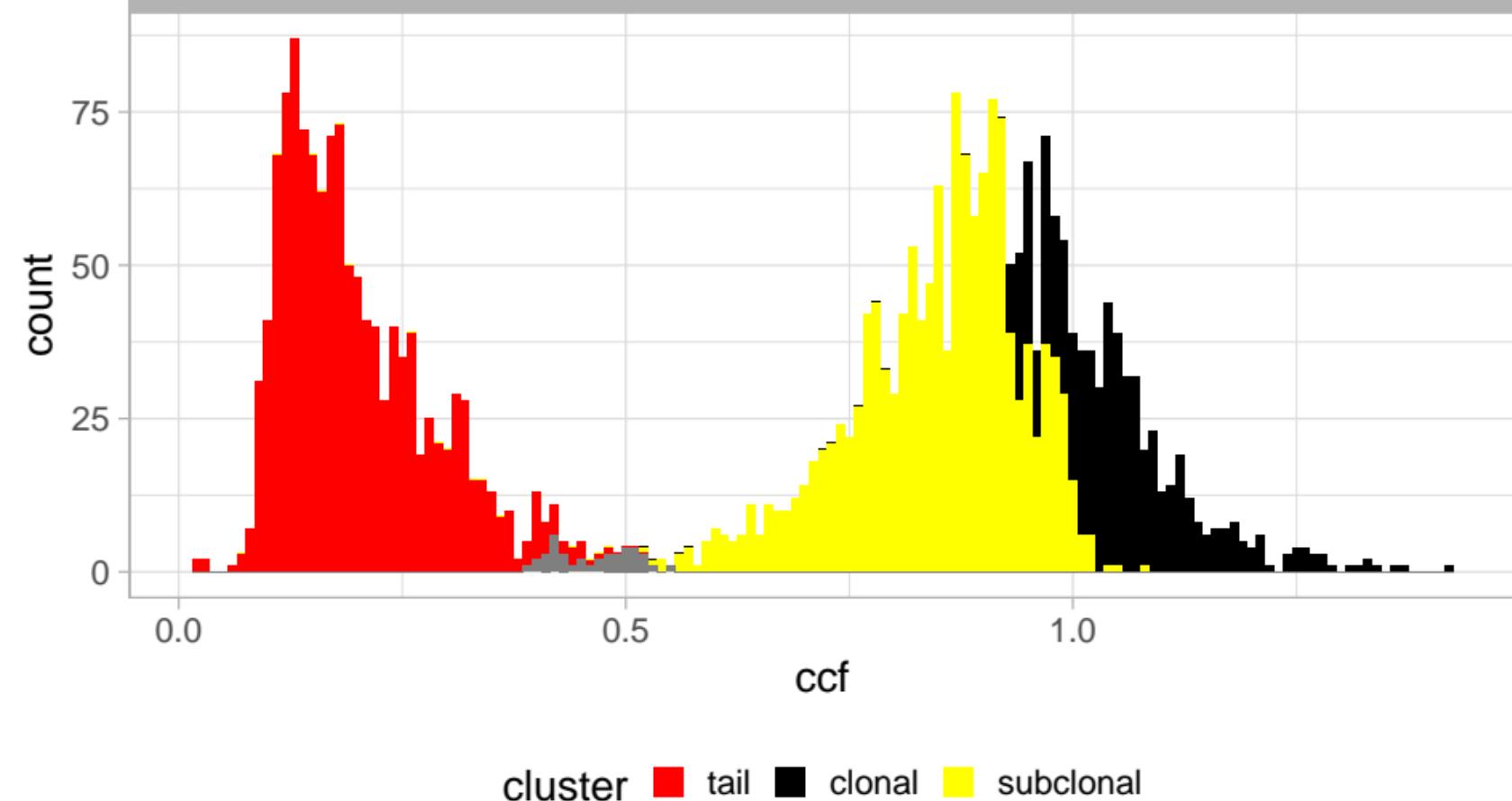
SA558648

count



cluster ■ tail ■ clonal ■ subclonal

SA542577



SA528902

count

200

100

0

0.0

0.5

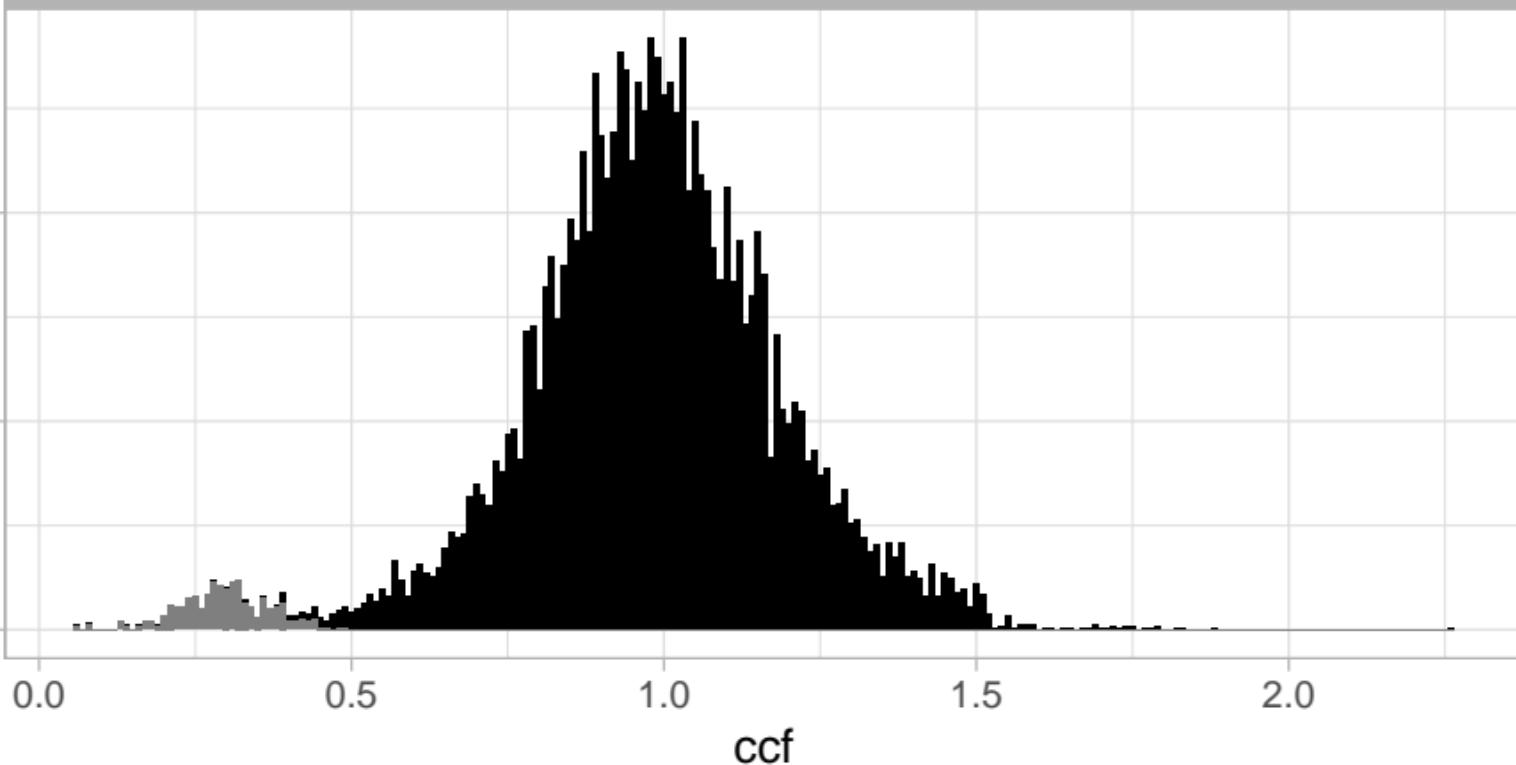
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA530638

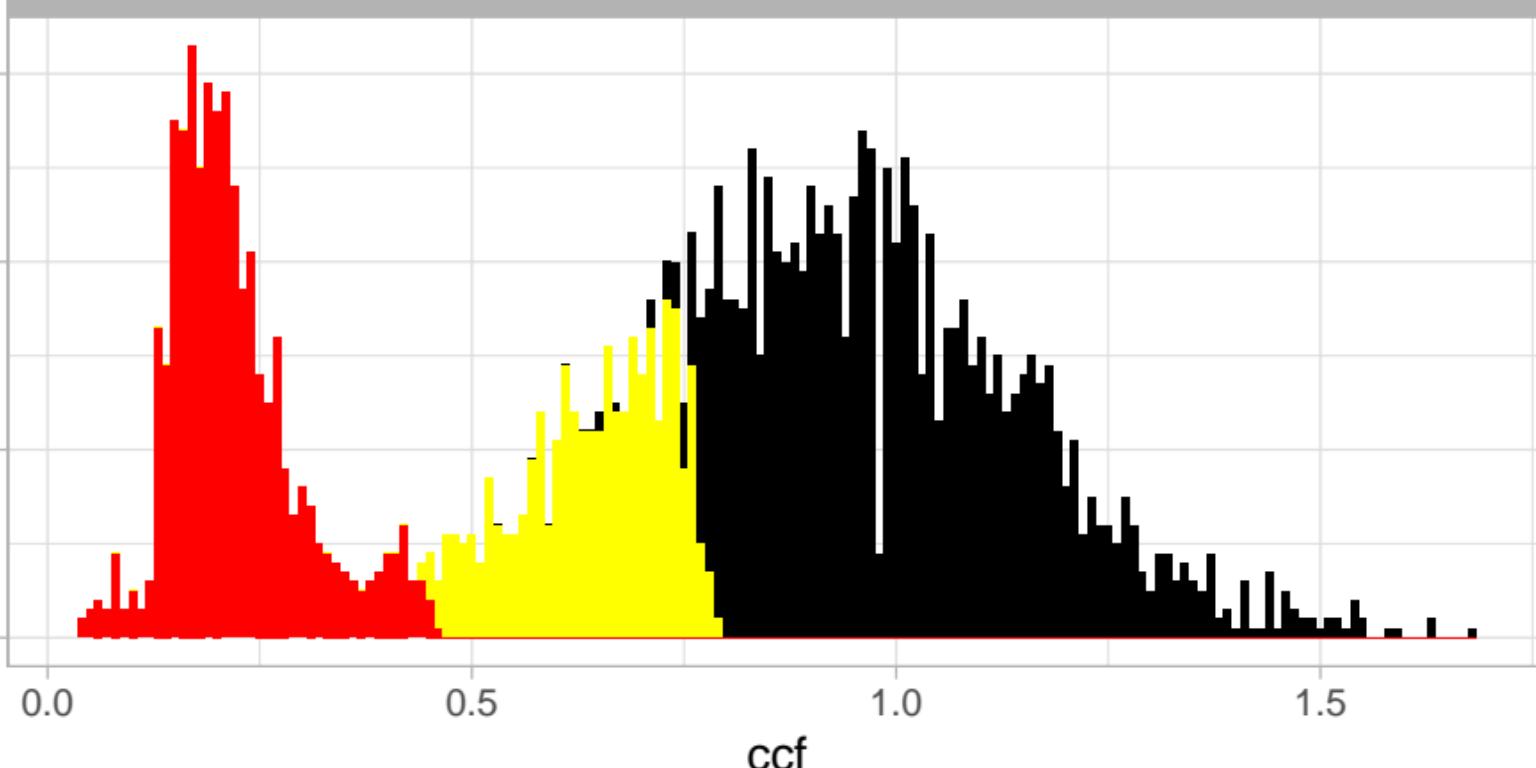
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA541745

count

20

10

0

0

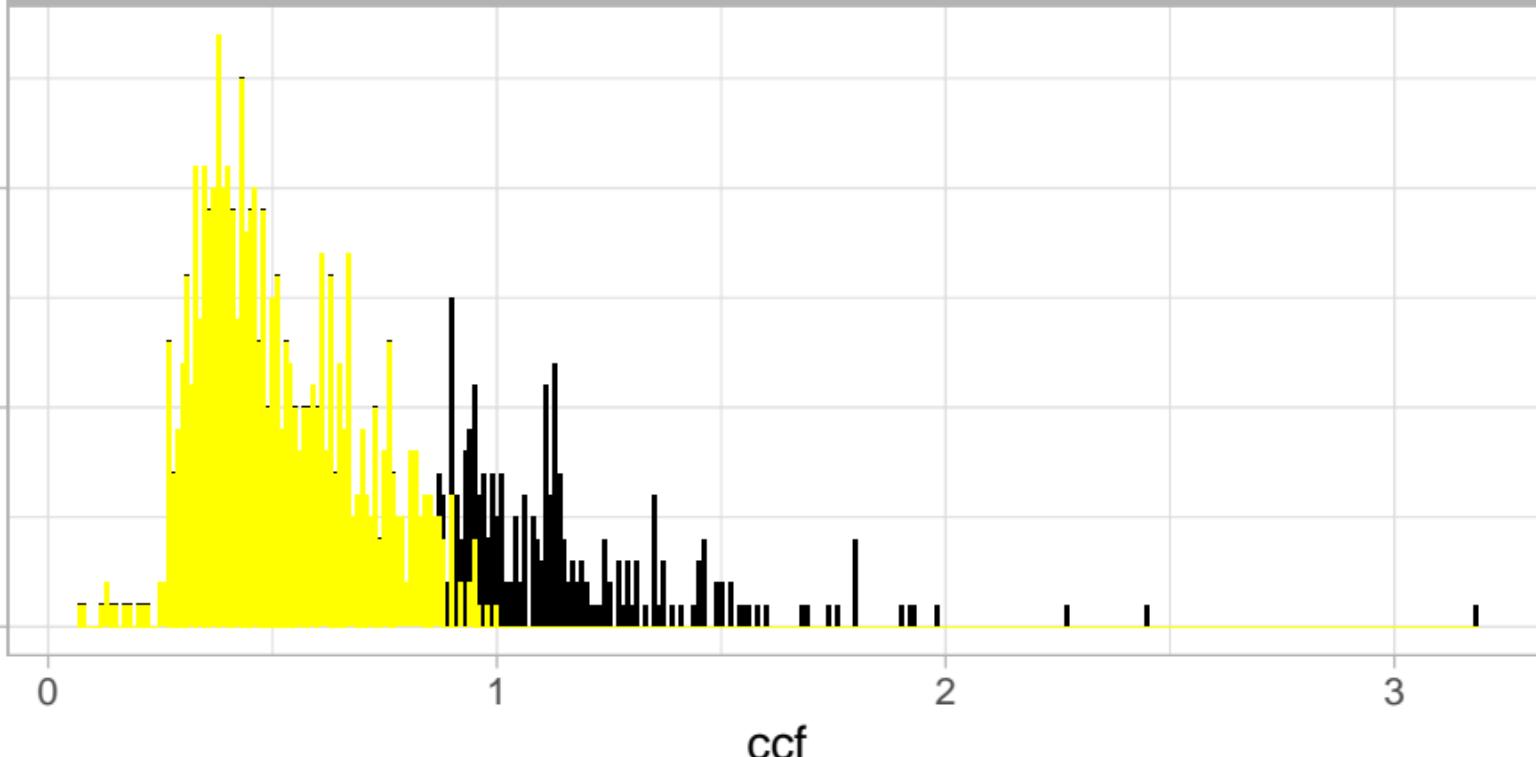
1

2

3

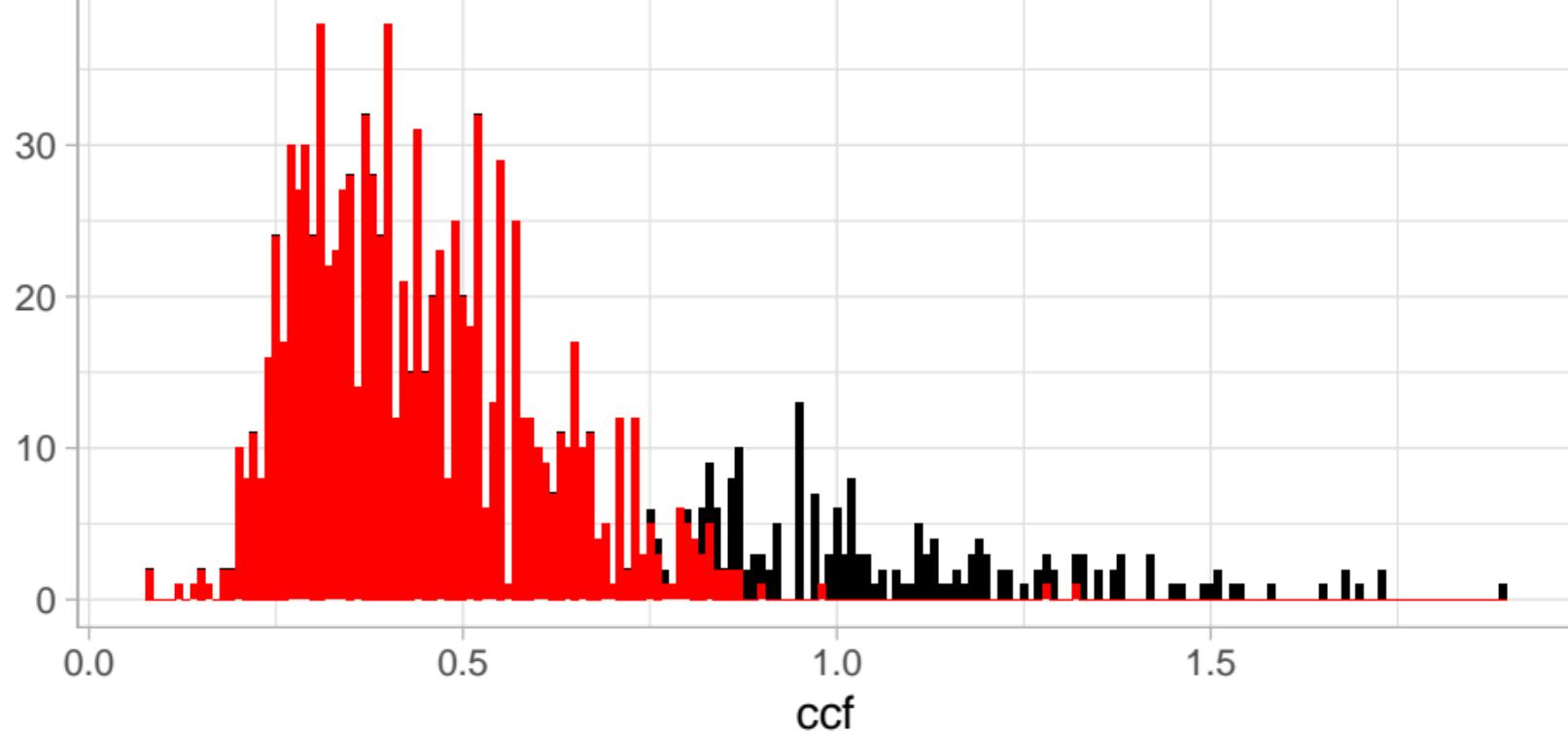
ccf

cluster tail clonal subclonal



SA517265

count



cluster ■ tail ■ clonal ■ subclonal

SA85710

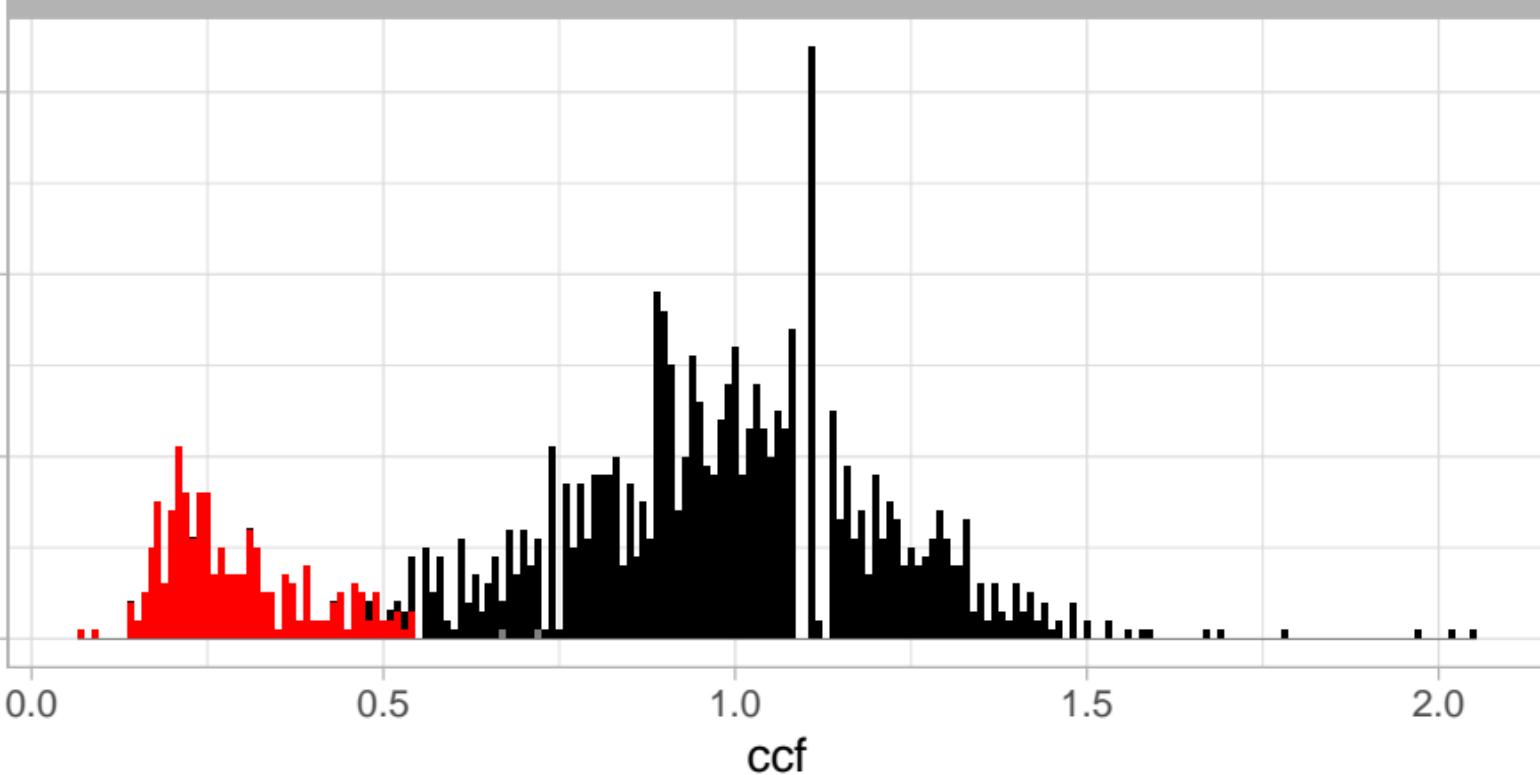
count

60
40
20
0

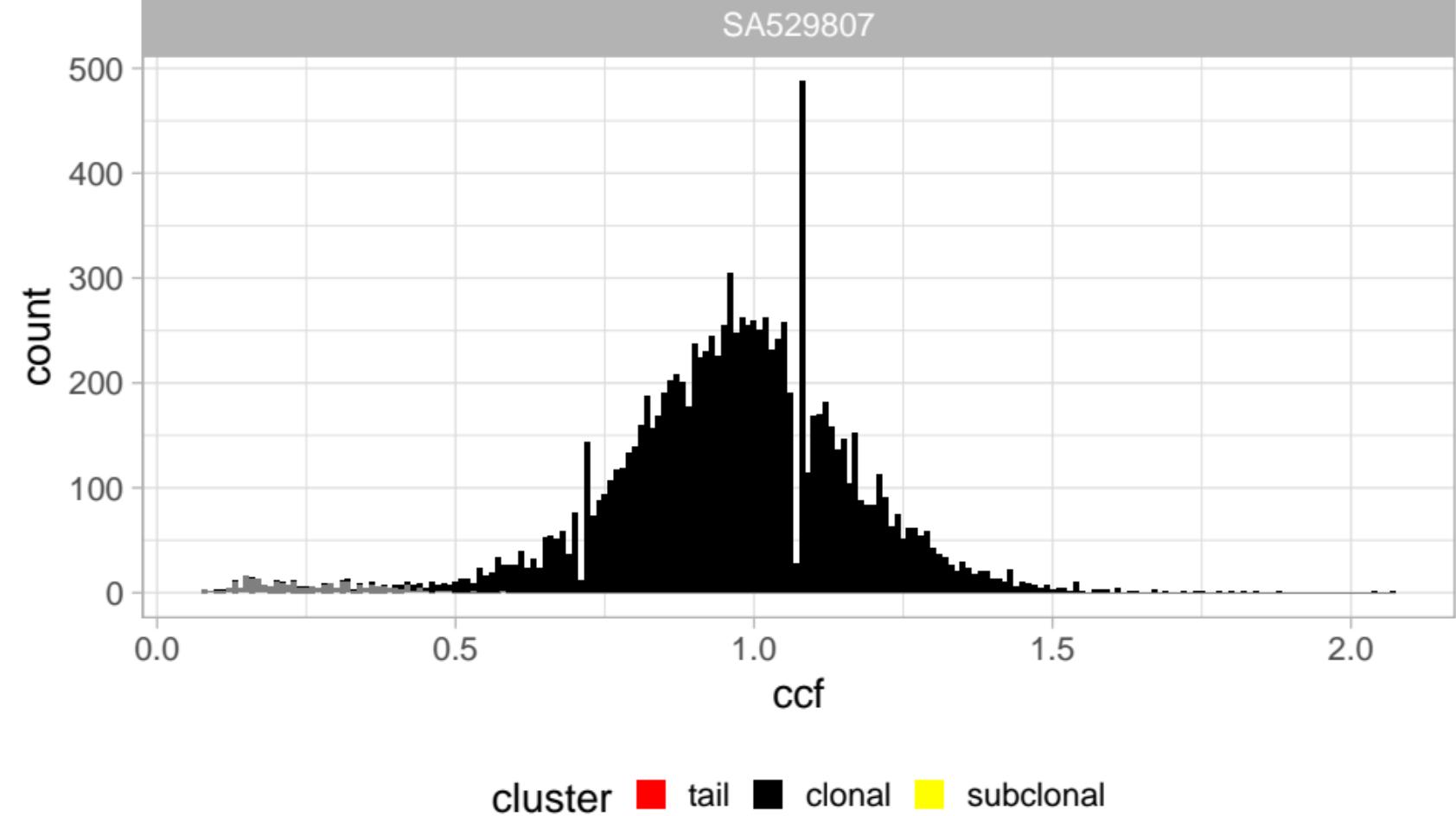
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA529807



SA533720

count

150

100

50

0

0.0

0.5

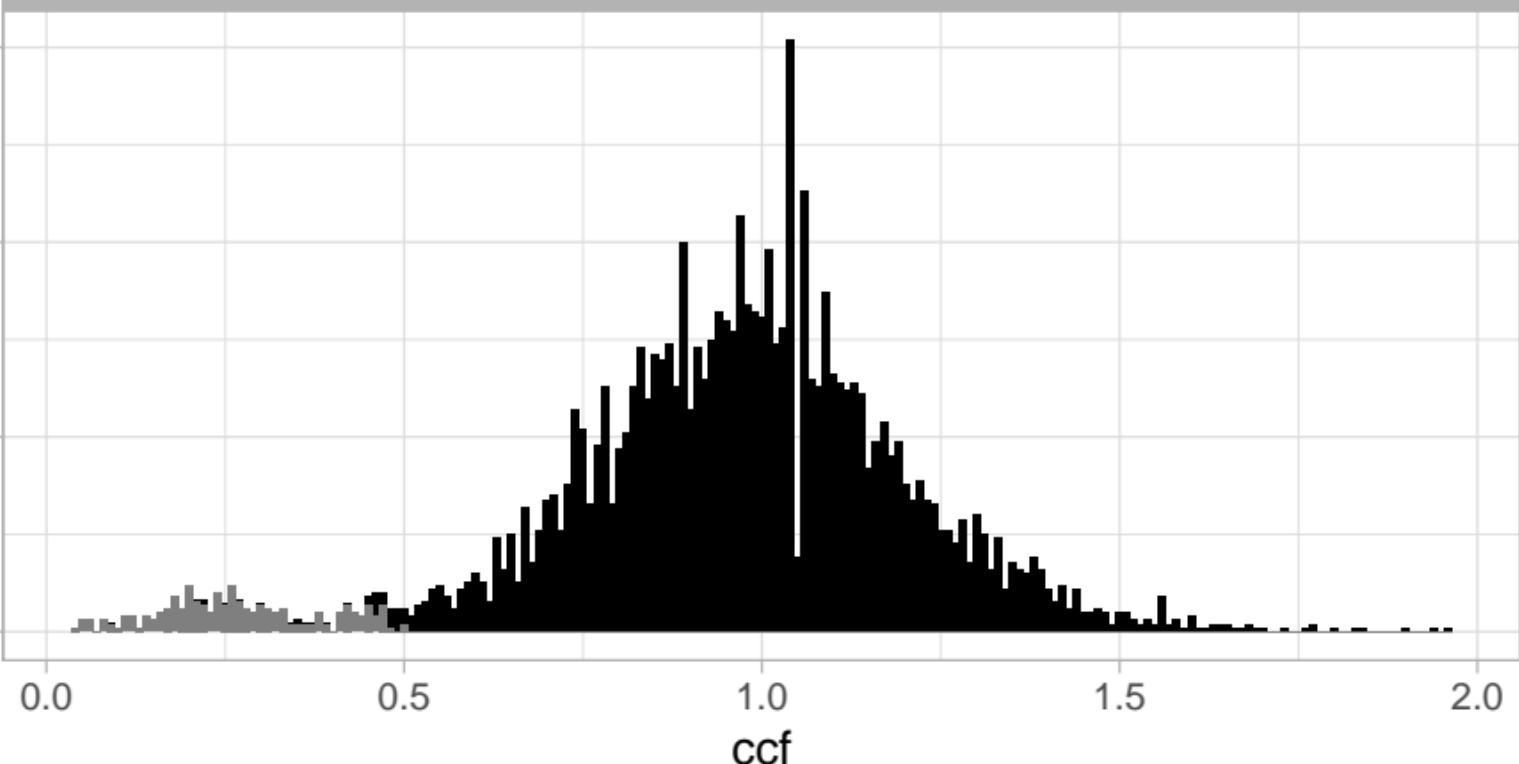
1.0

1.5

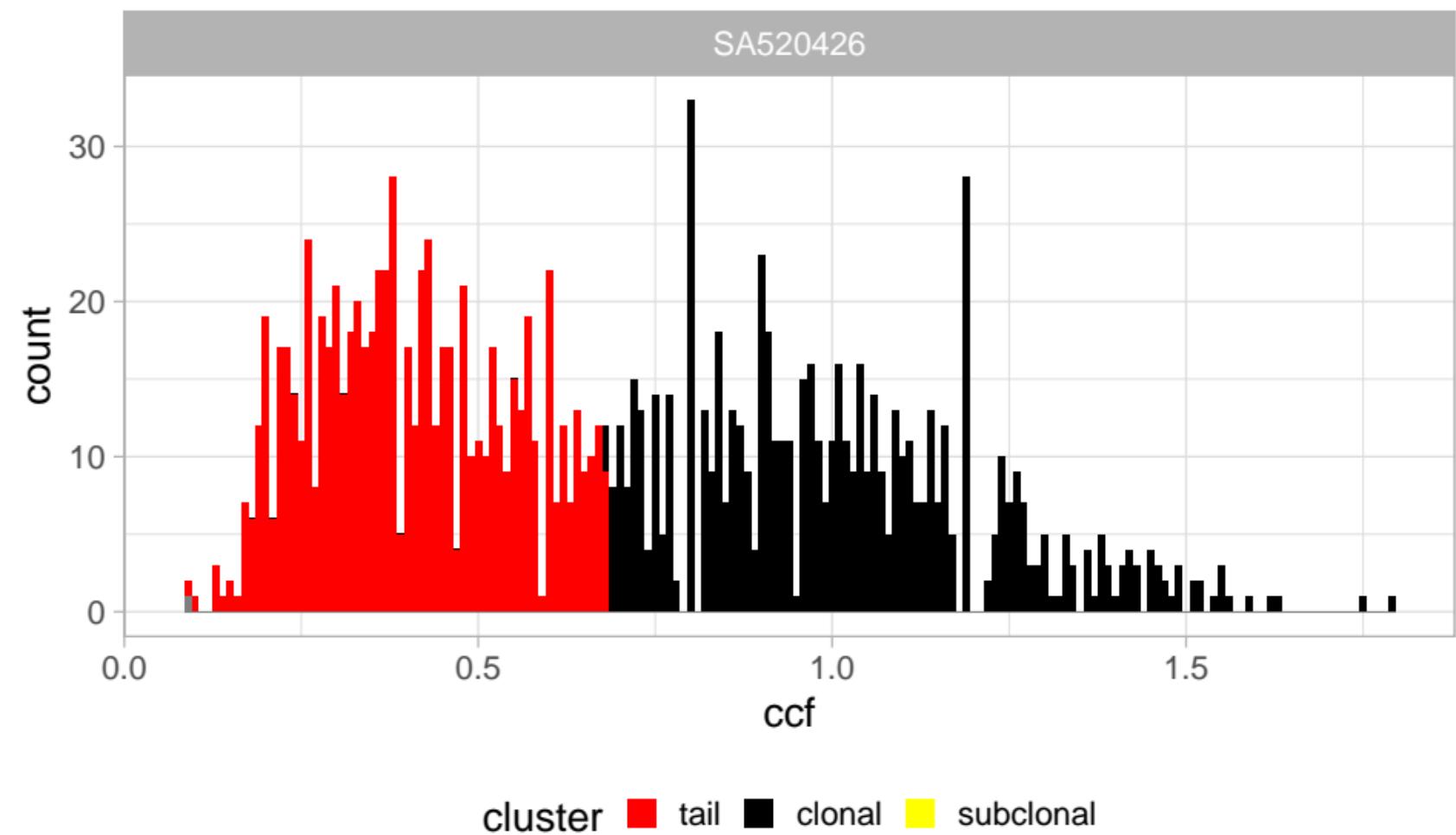
2.0

ccf

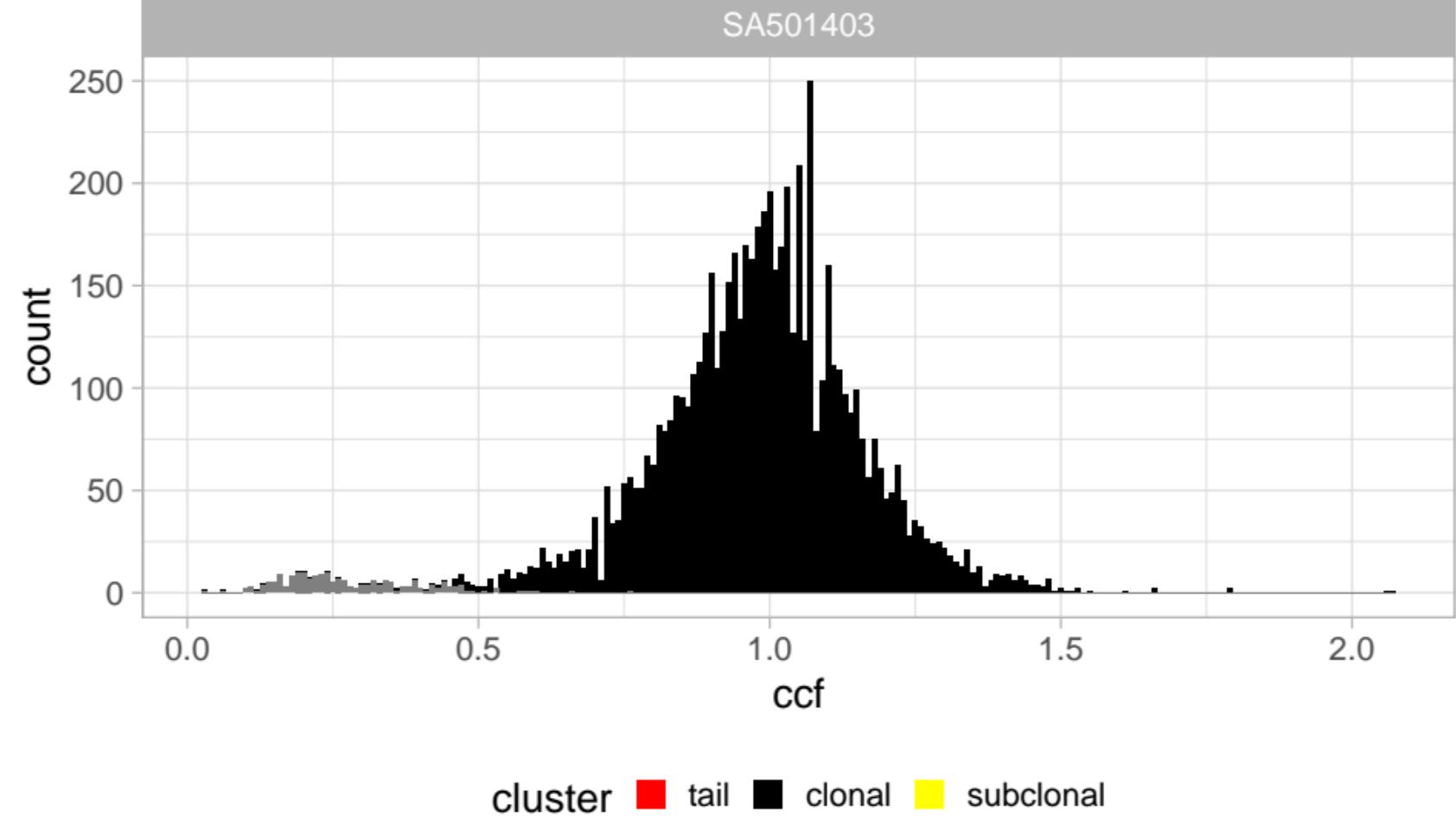
cluster tail clonal subclonal



SA520426



SA501403



SA557413

count

200
150
100
50
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA542129

count

150

100

50

0

0.0

0.5

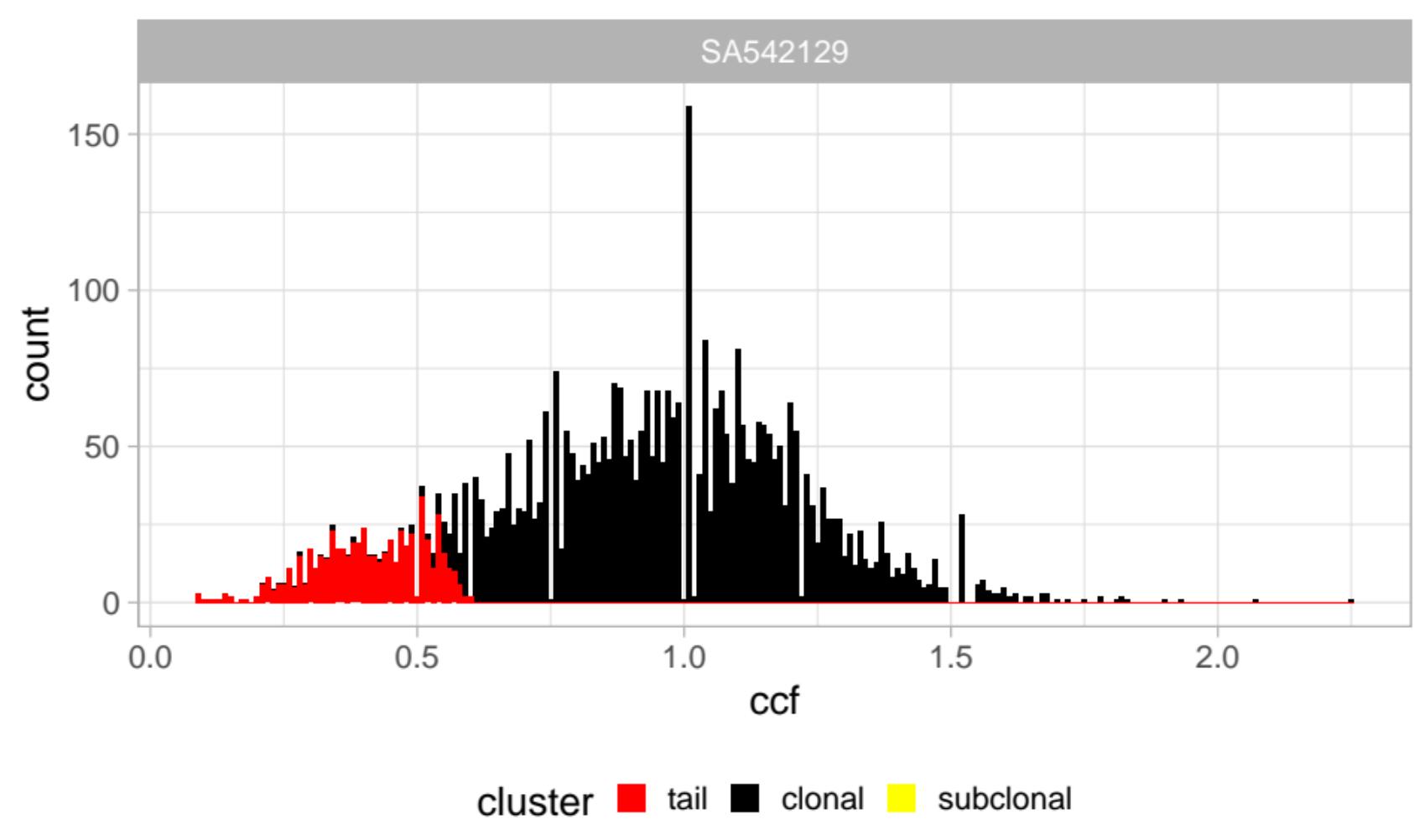
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA507229

count

100

50

0

0.0

0.5

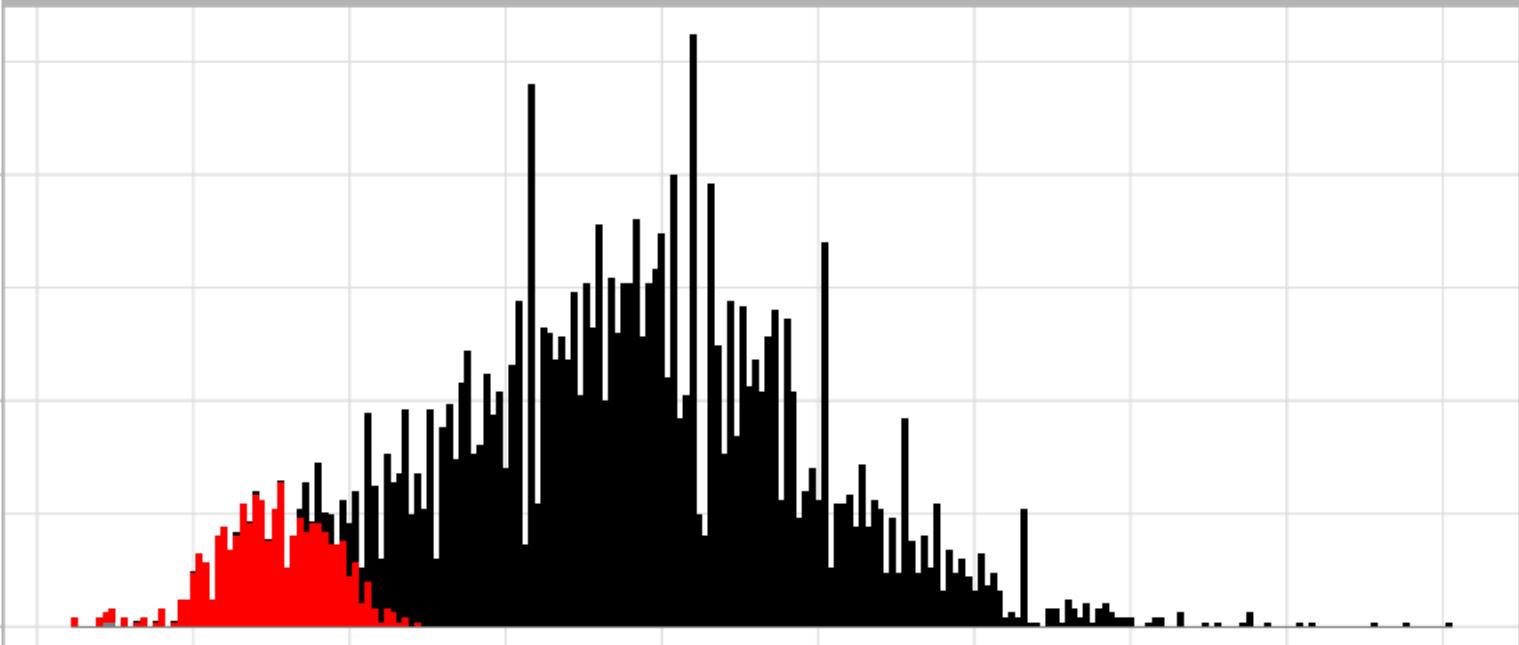
1.0

1.5

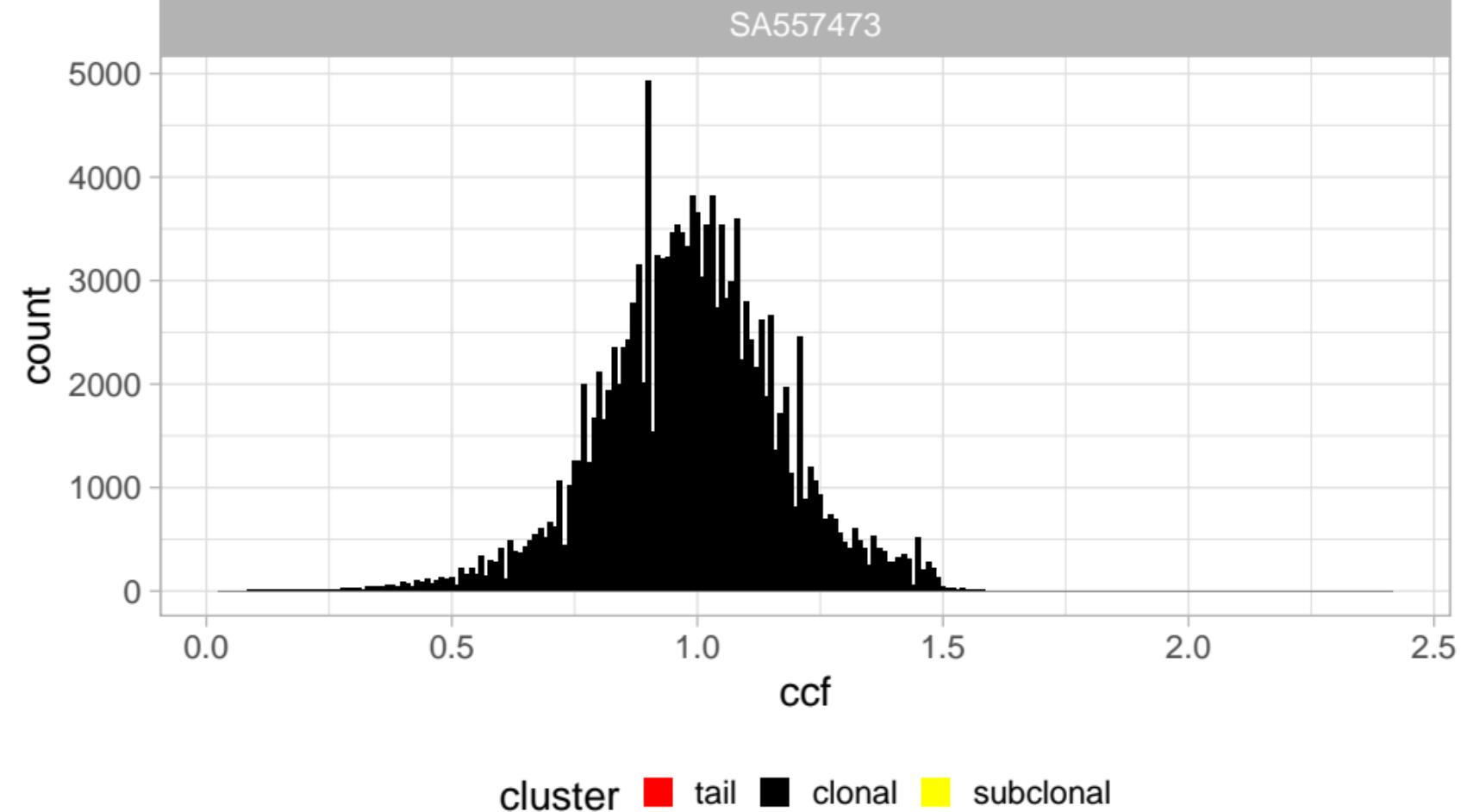
2.0

ccf

cluster tail clonal subclonal

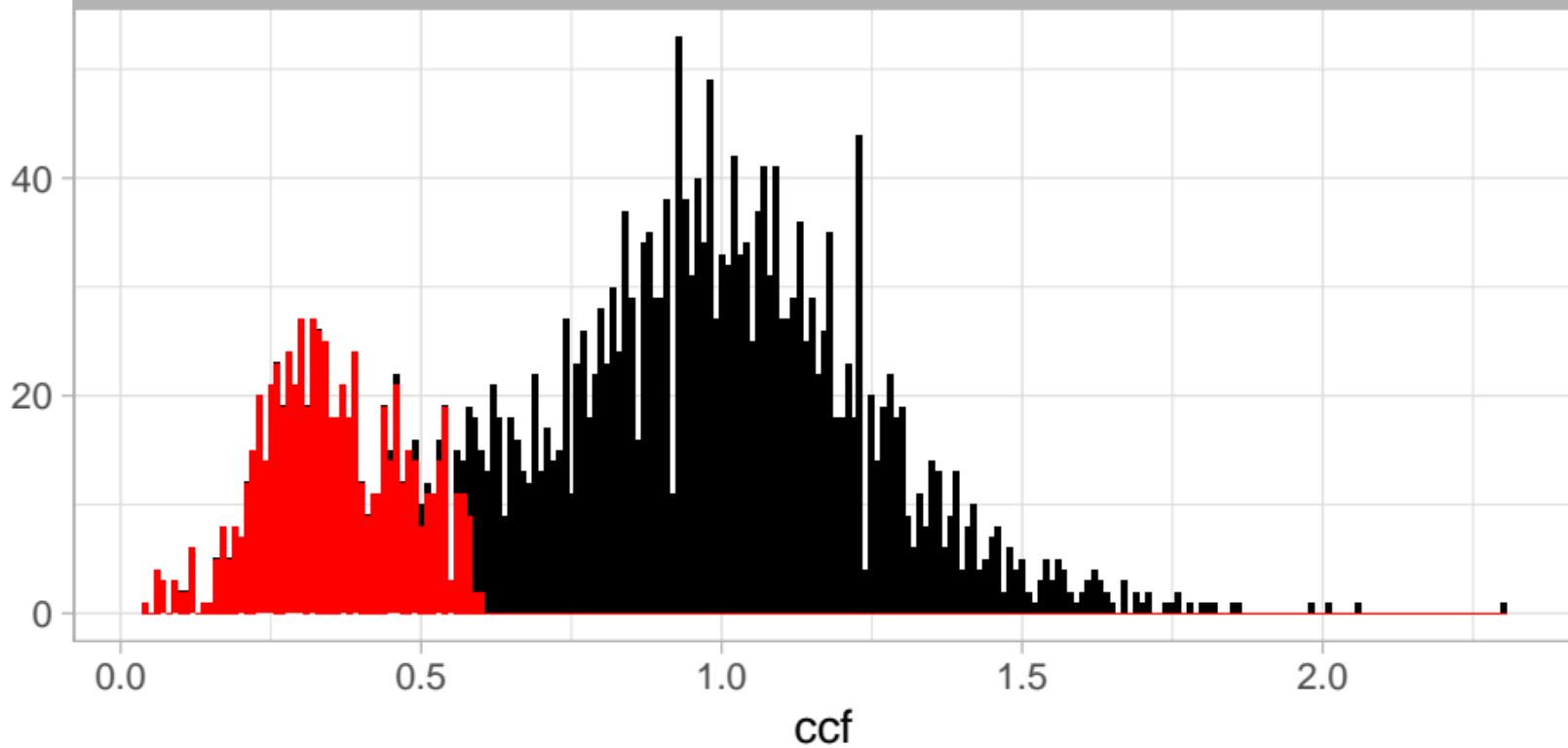


SA557473



SA530489

count



cluster ■ tail ■ clonal ■ subclonal

SA86768

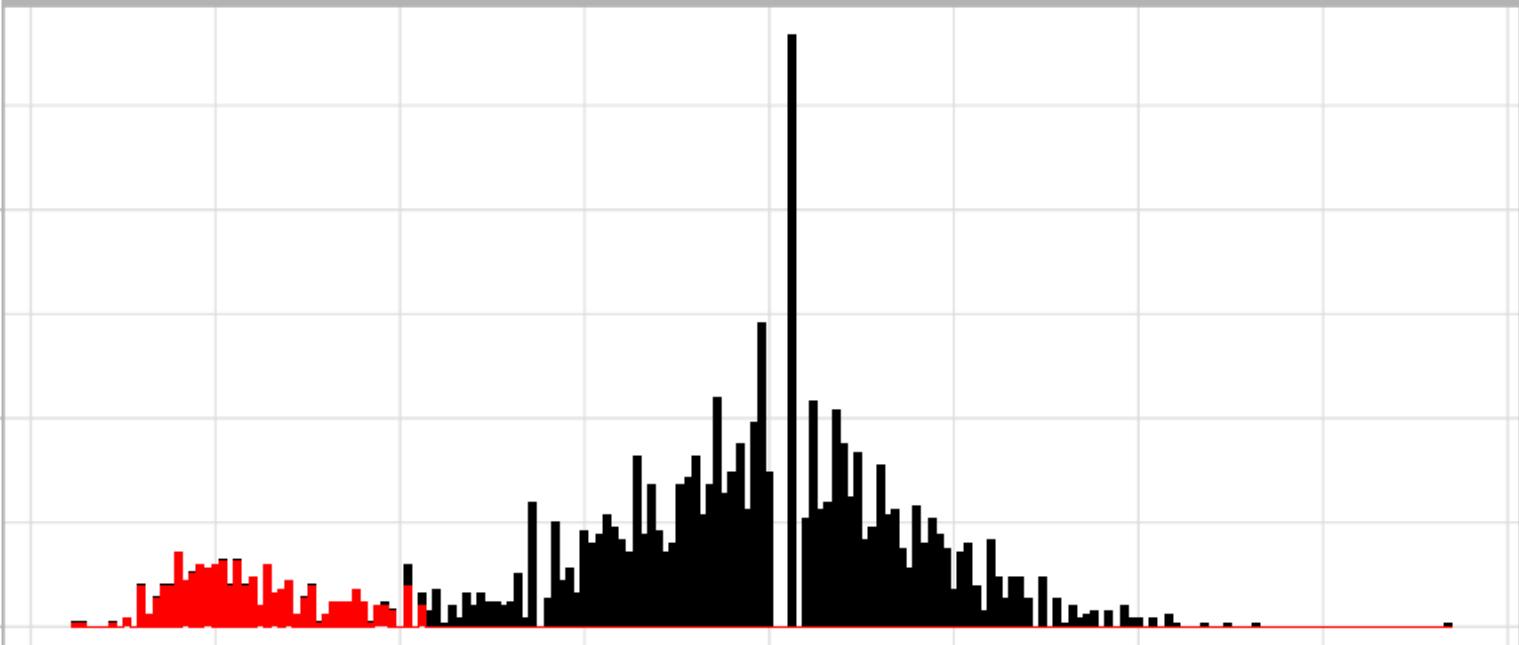
count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA409487

count

150

100

50

0

0

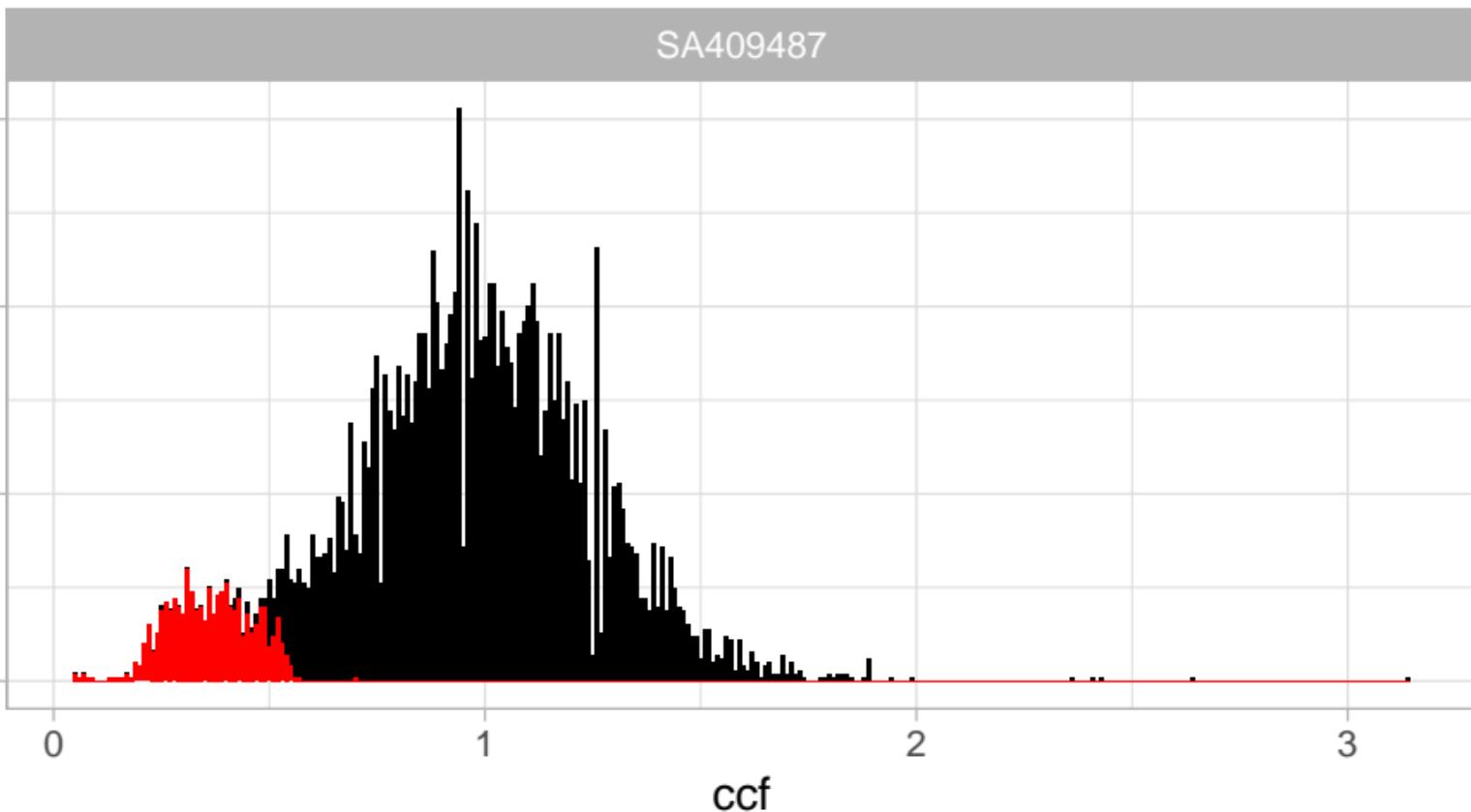
1

2

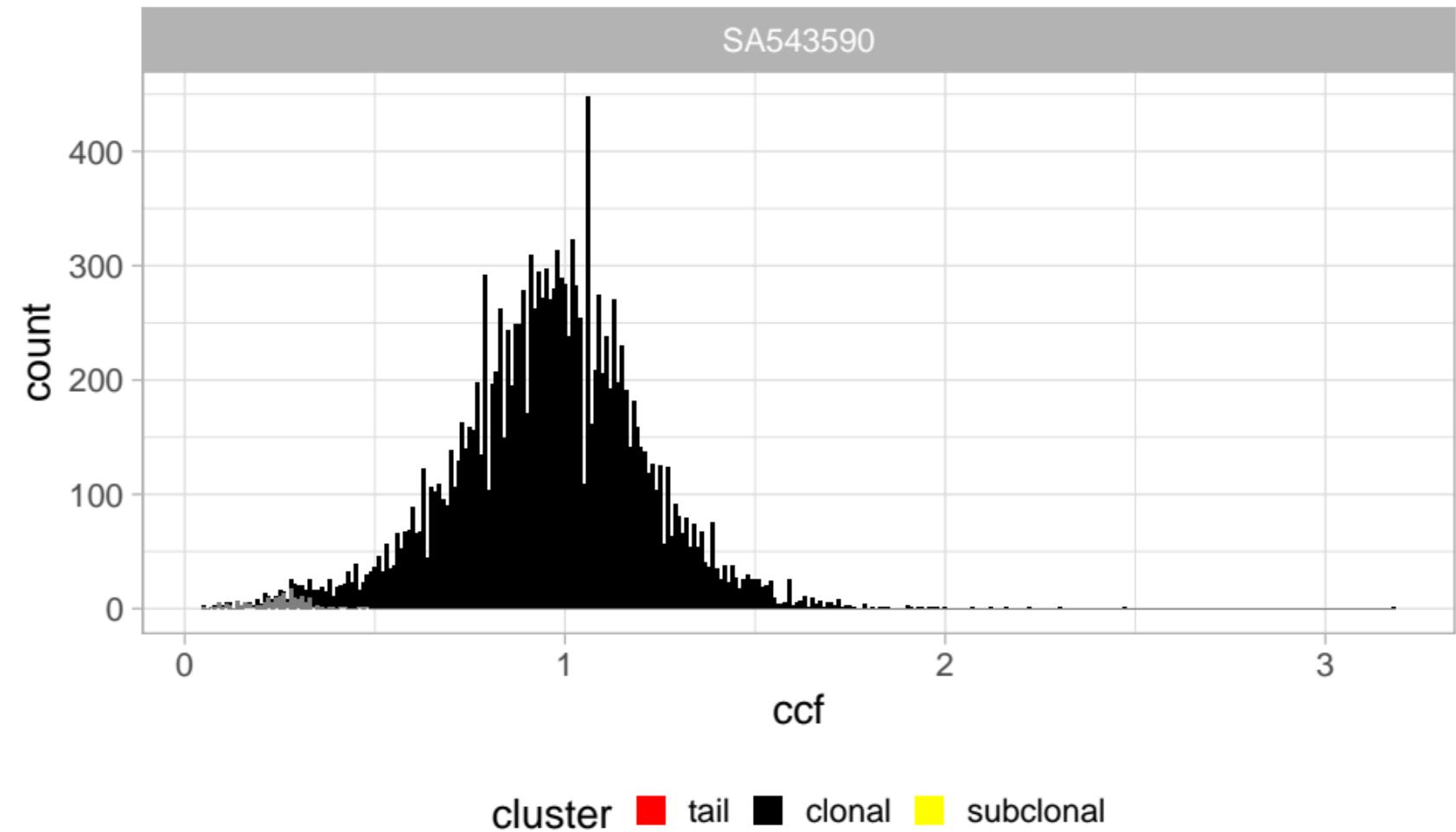
3

ccf

cluster tail clonal subclonal



SA543590



SA570927

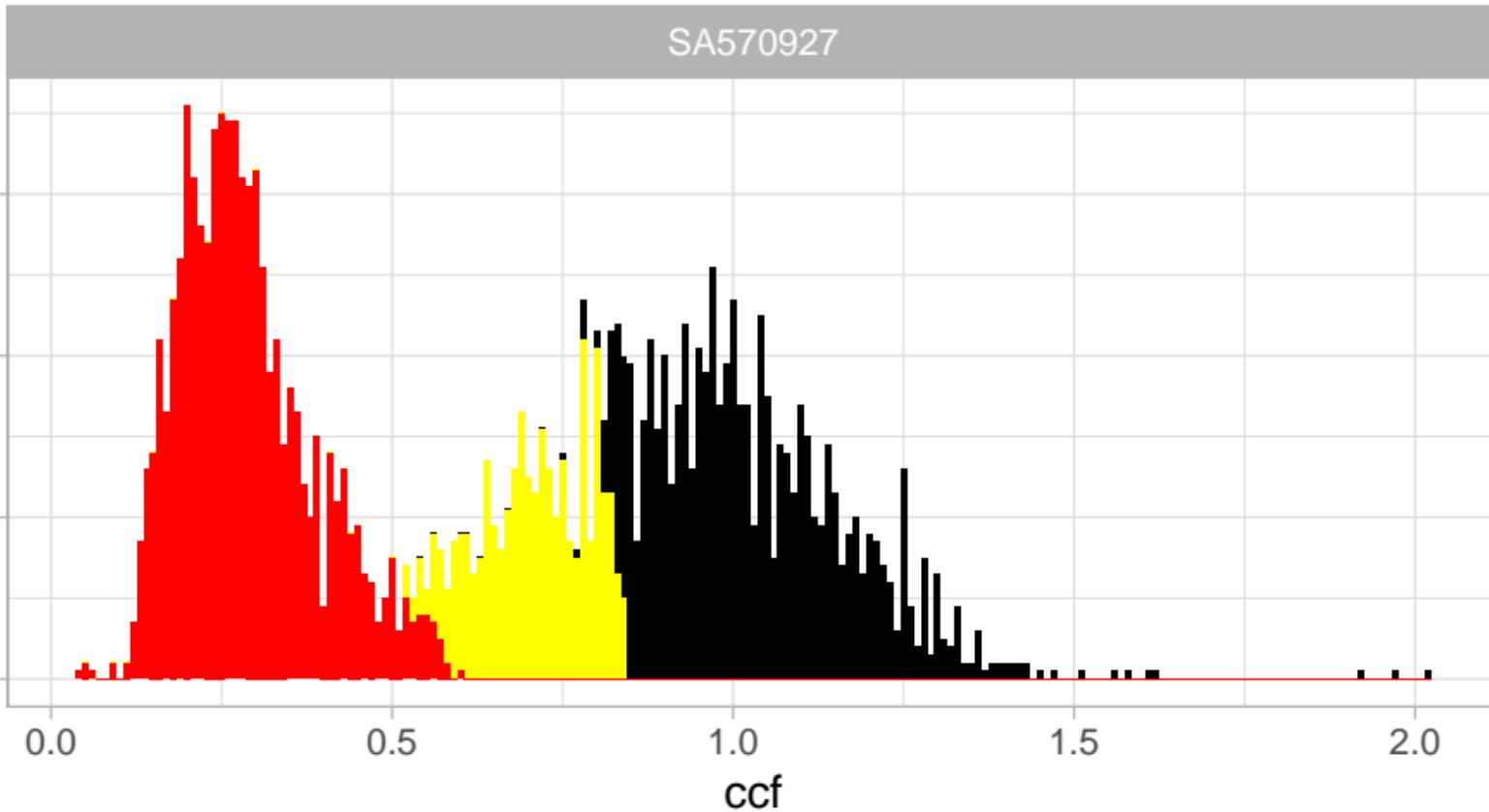
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA517318

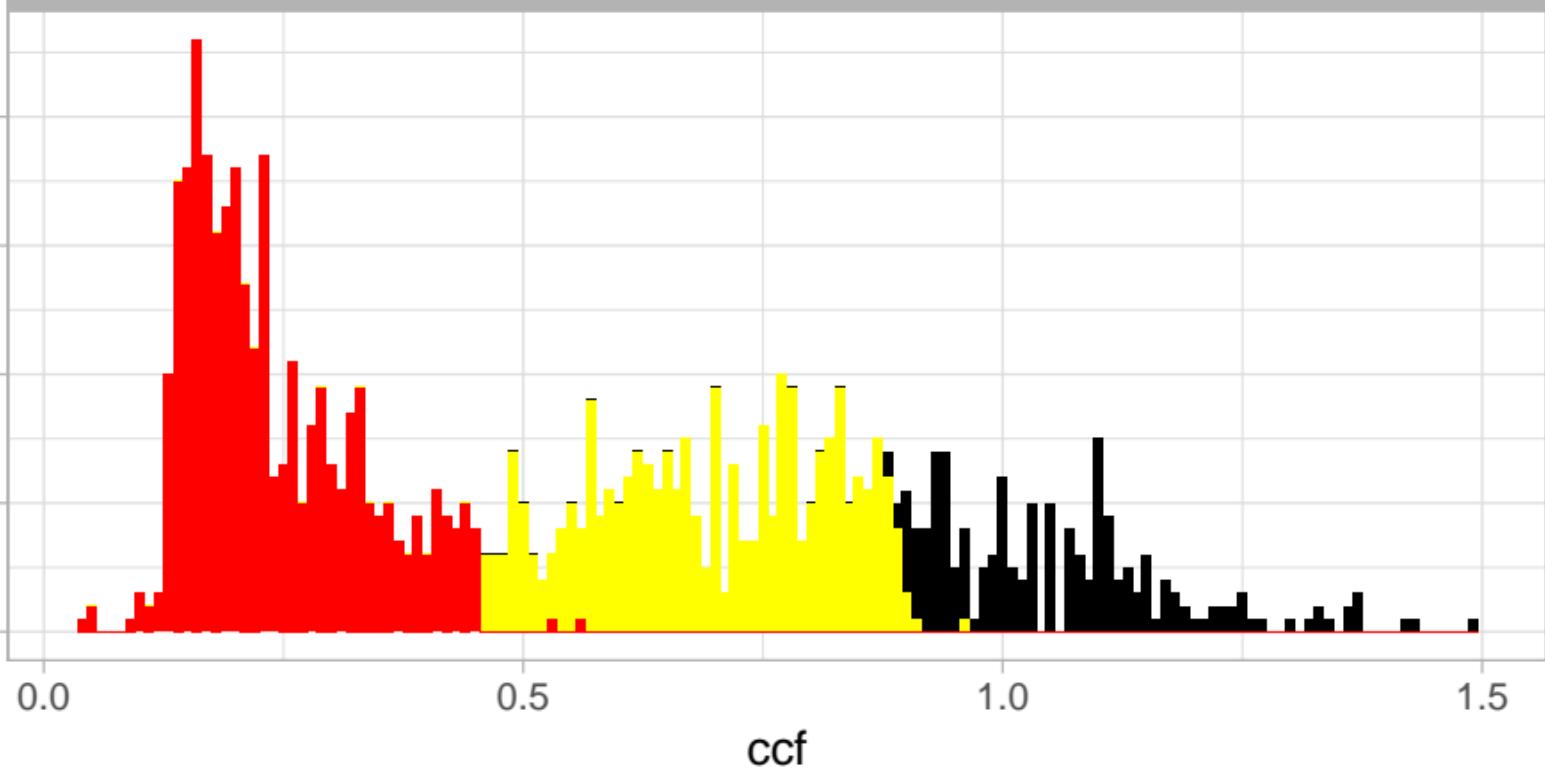
count

40
30
20
10
0

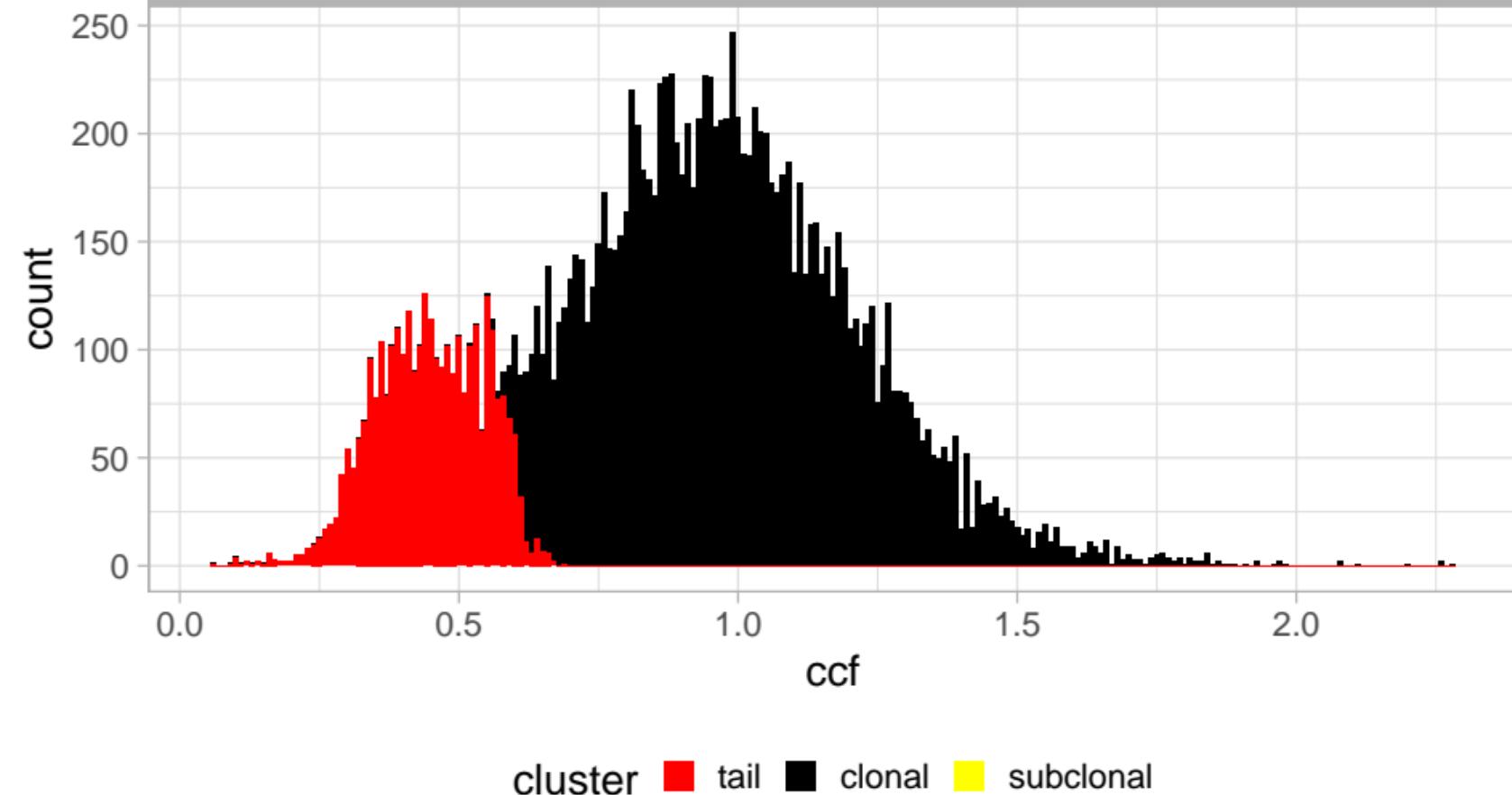
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA528928



SA544050

count

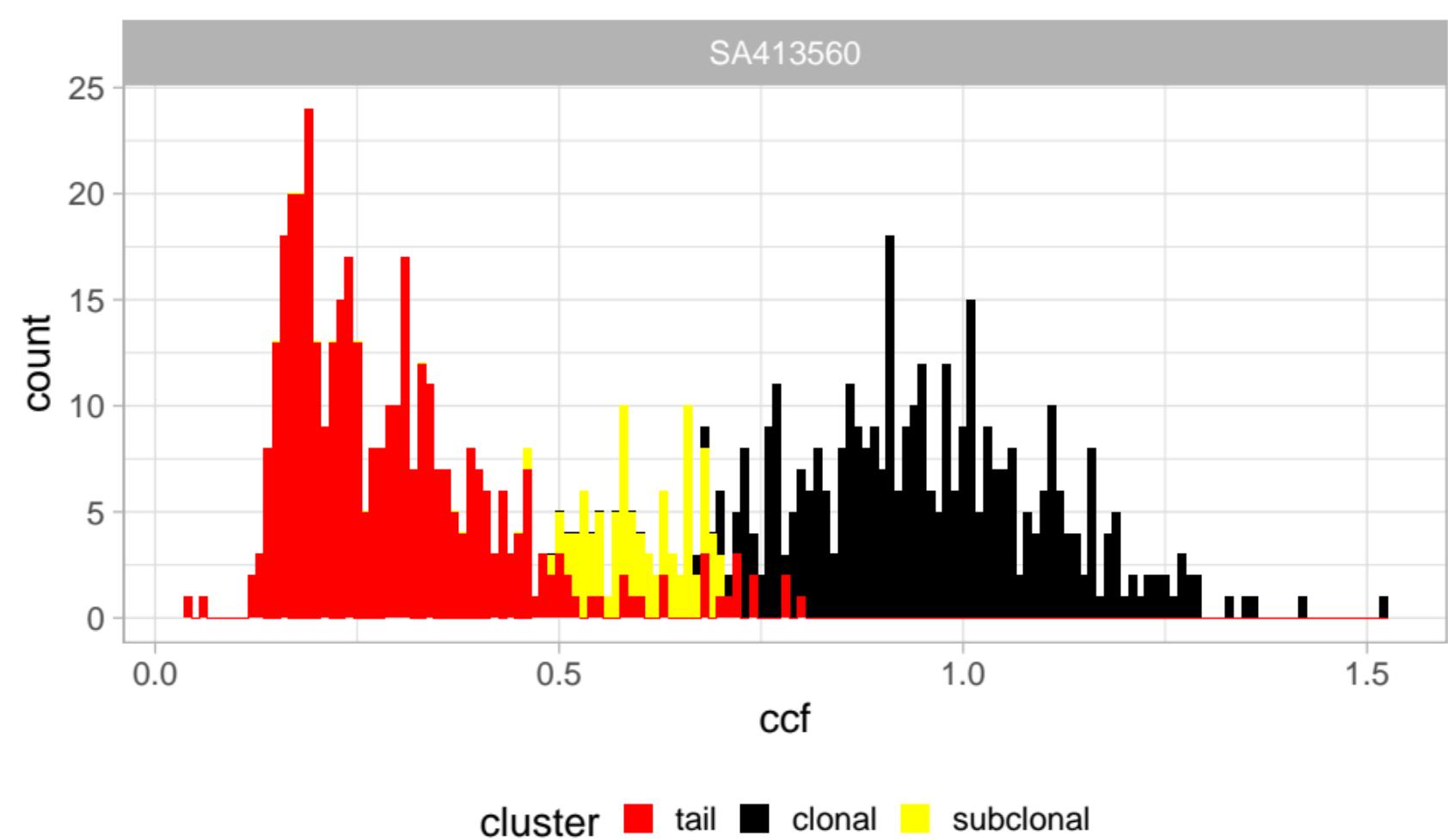
200
100
0

0 1 2 3 4

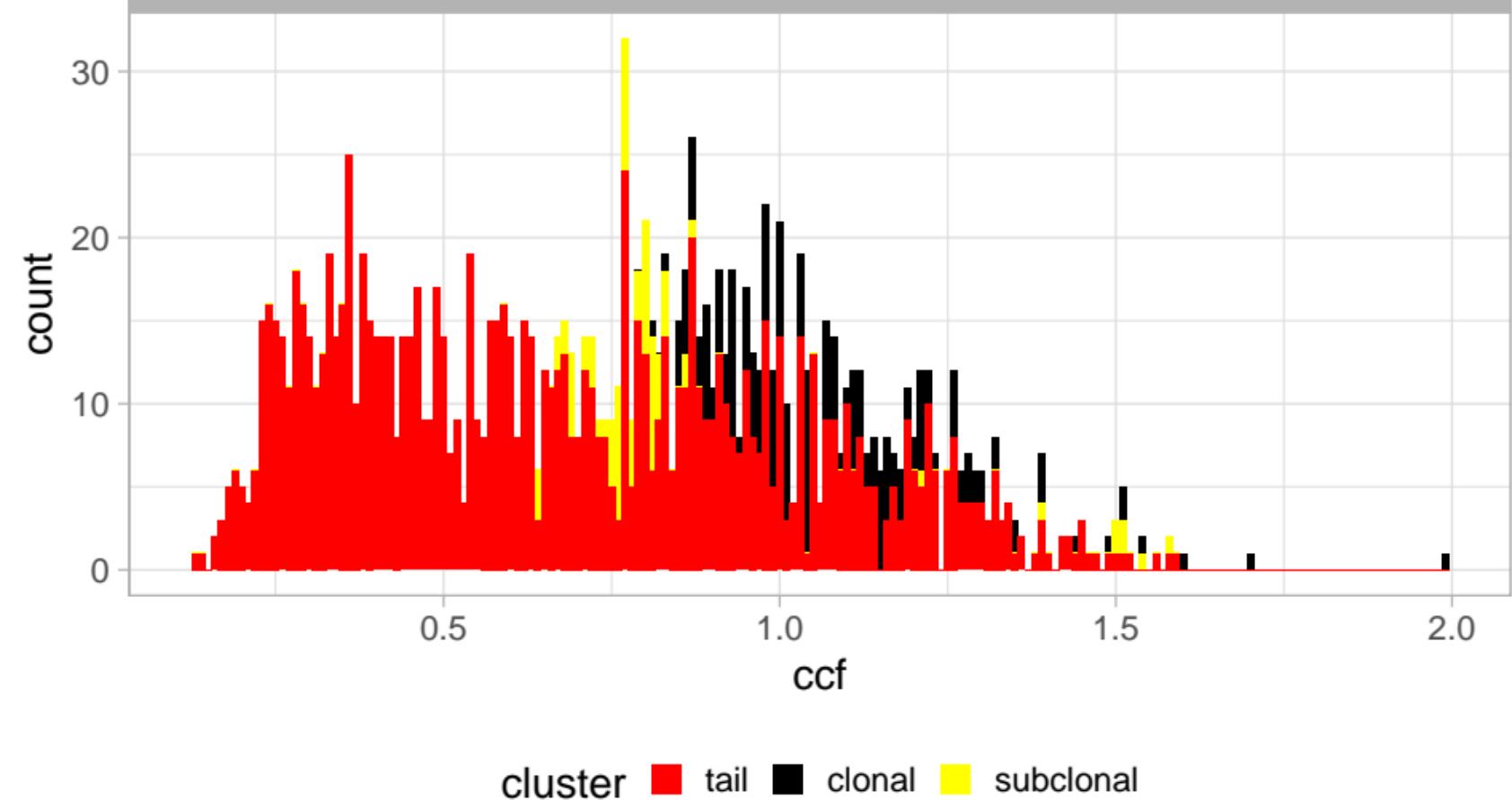
ccf

cluster tail clonal subclonal

SA413560



SA517268



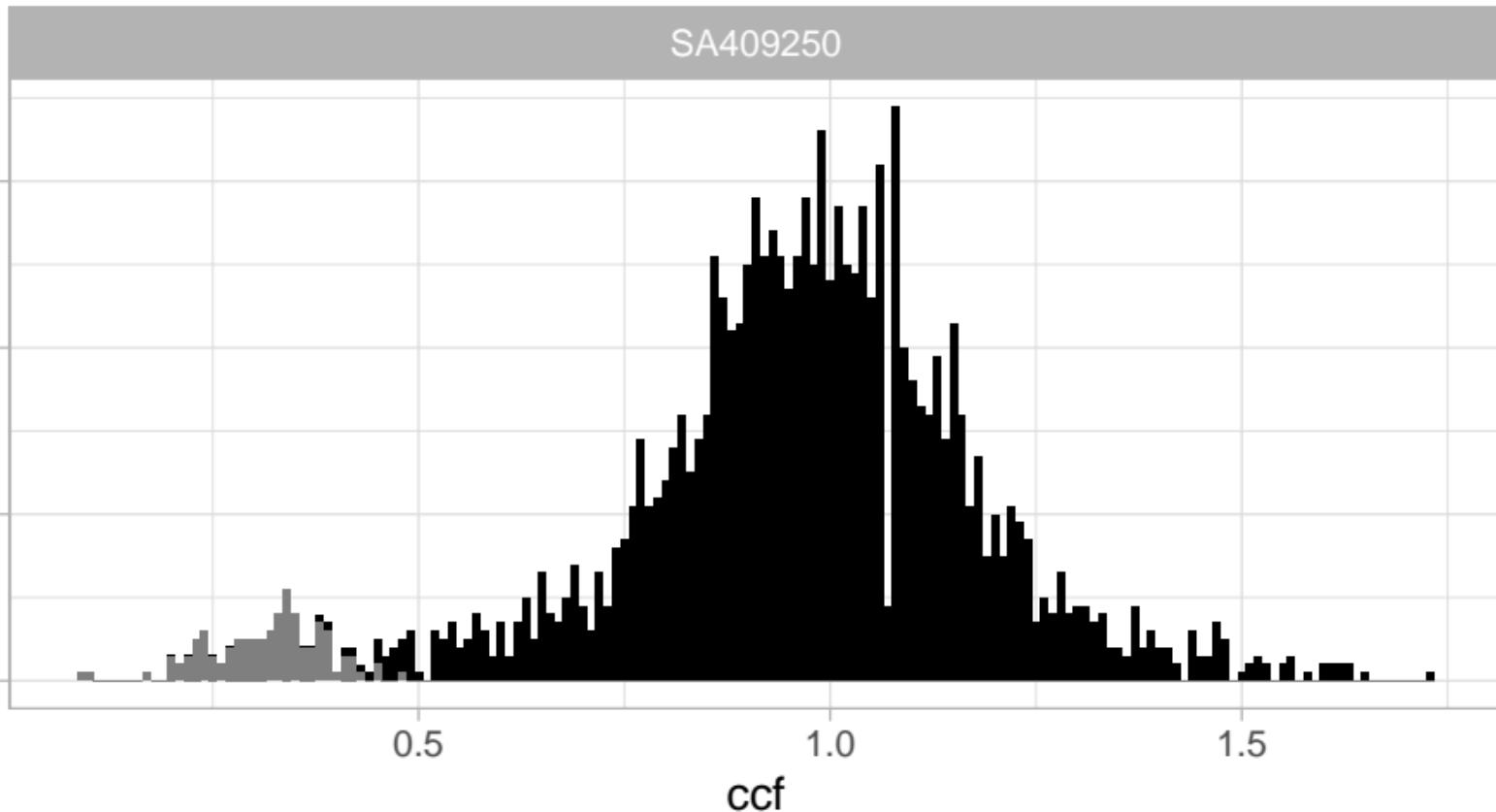
SA409250

count

60
40
20
0

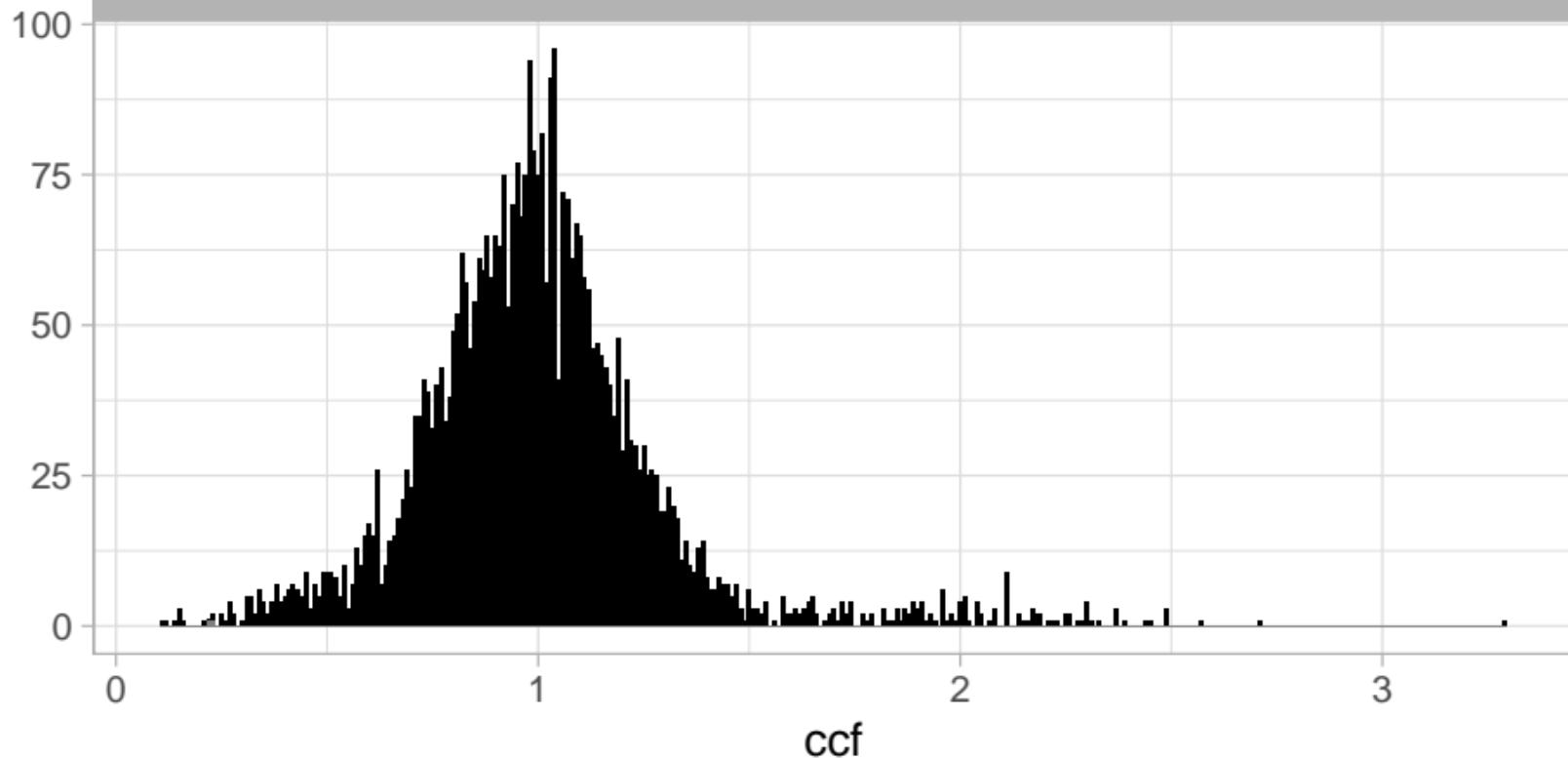
ccf

cluster tail clonal subclonal



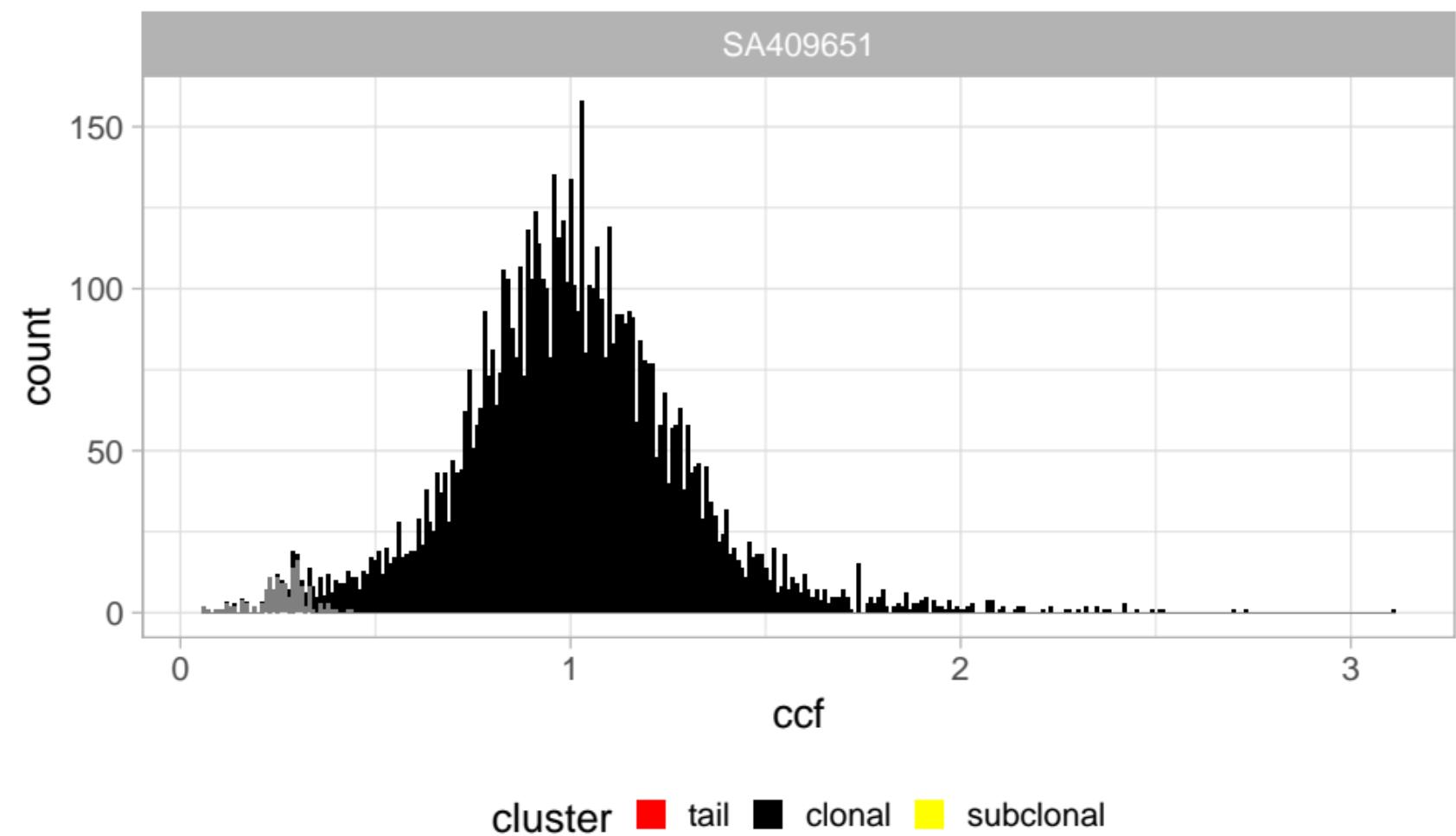
SA557409

count



cluster ■ tail ■ clonal ■ subclonal

SA409651



SA542167

count

150

100

50

0

0.0

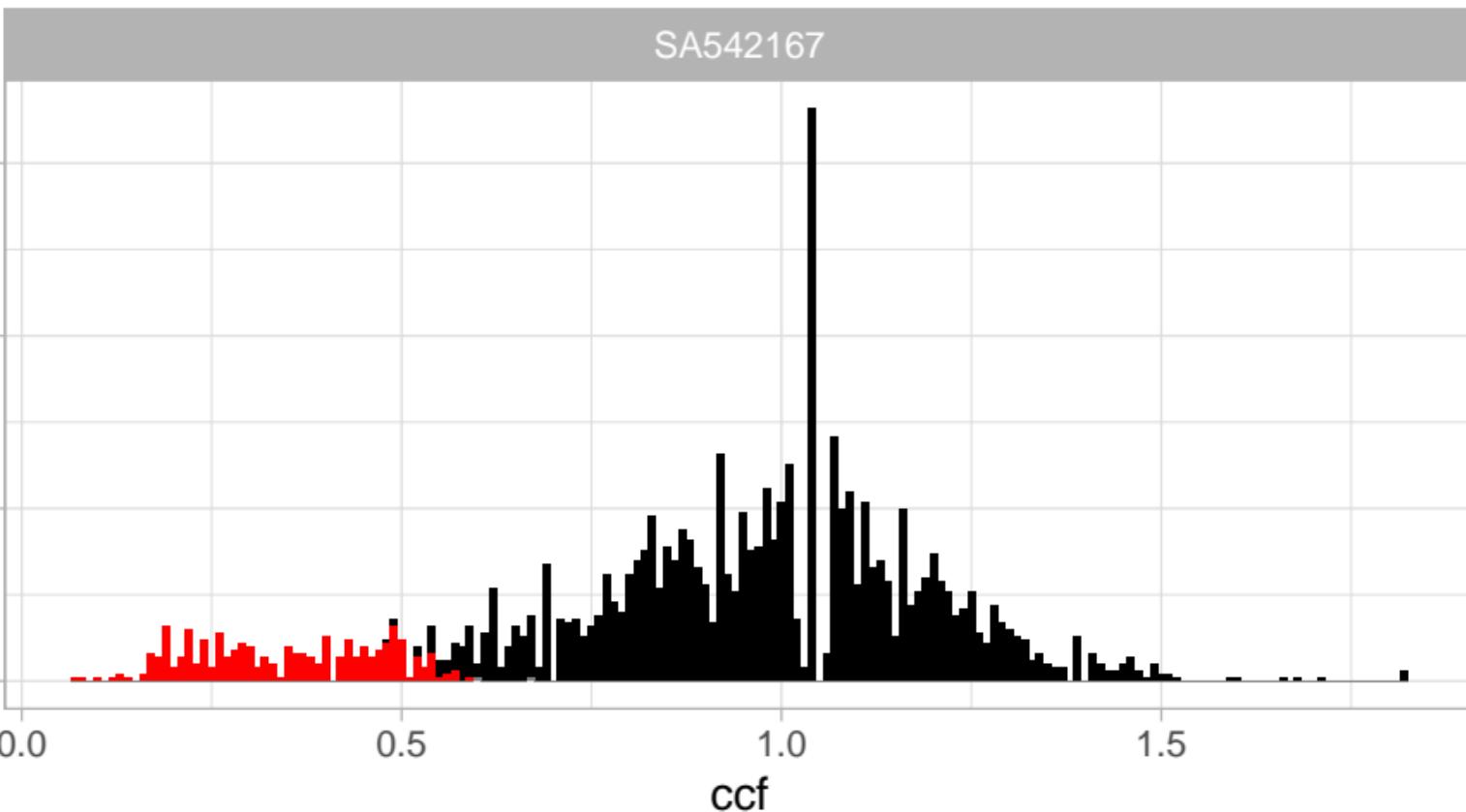
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA320830

count

100

50

0

0.0

0.5

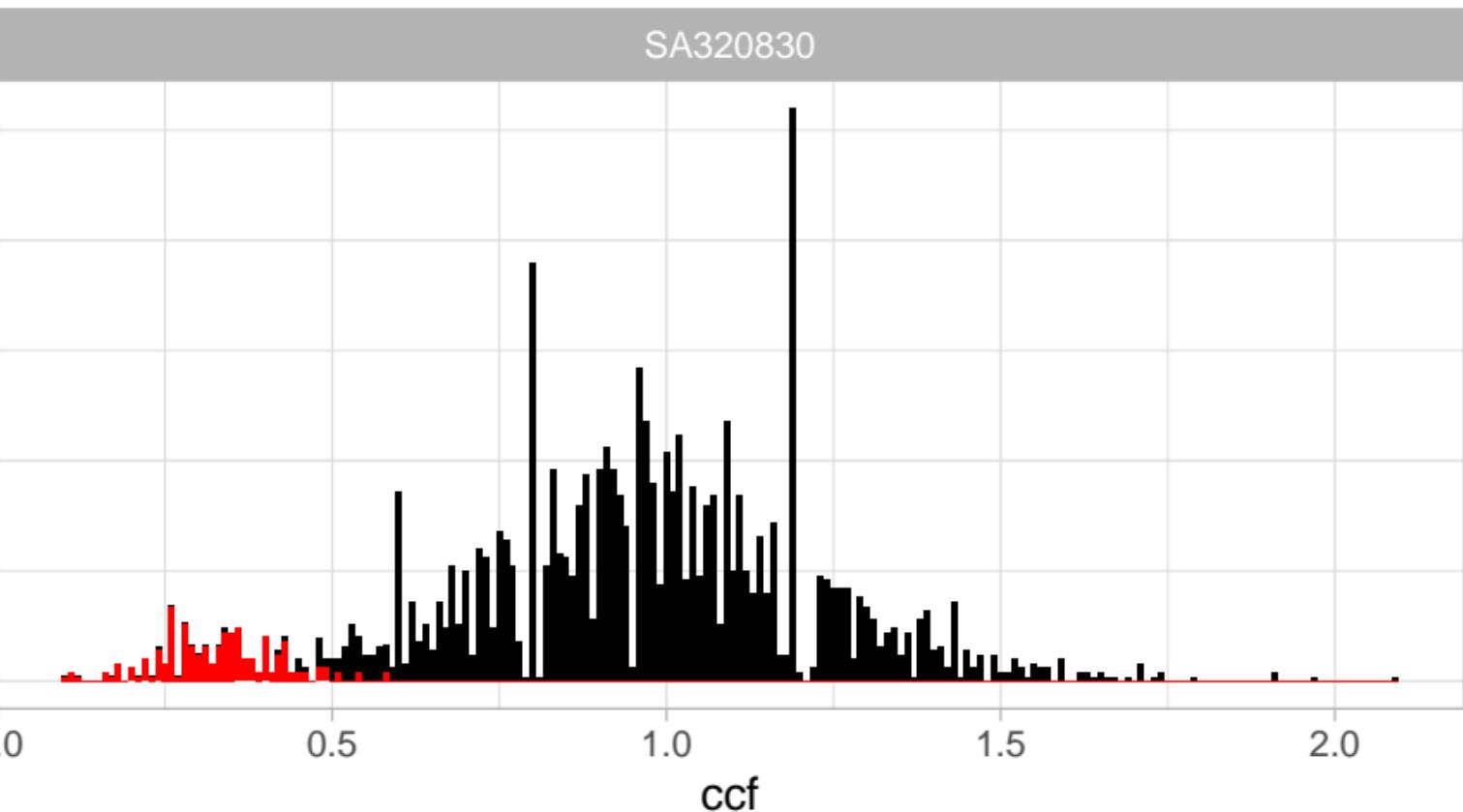
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA533666

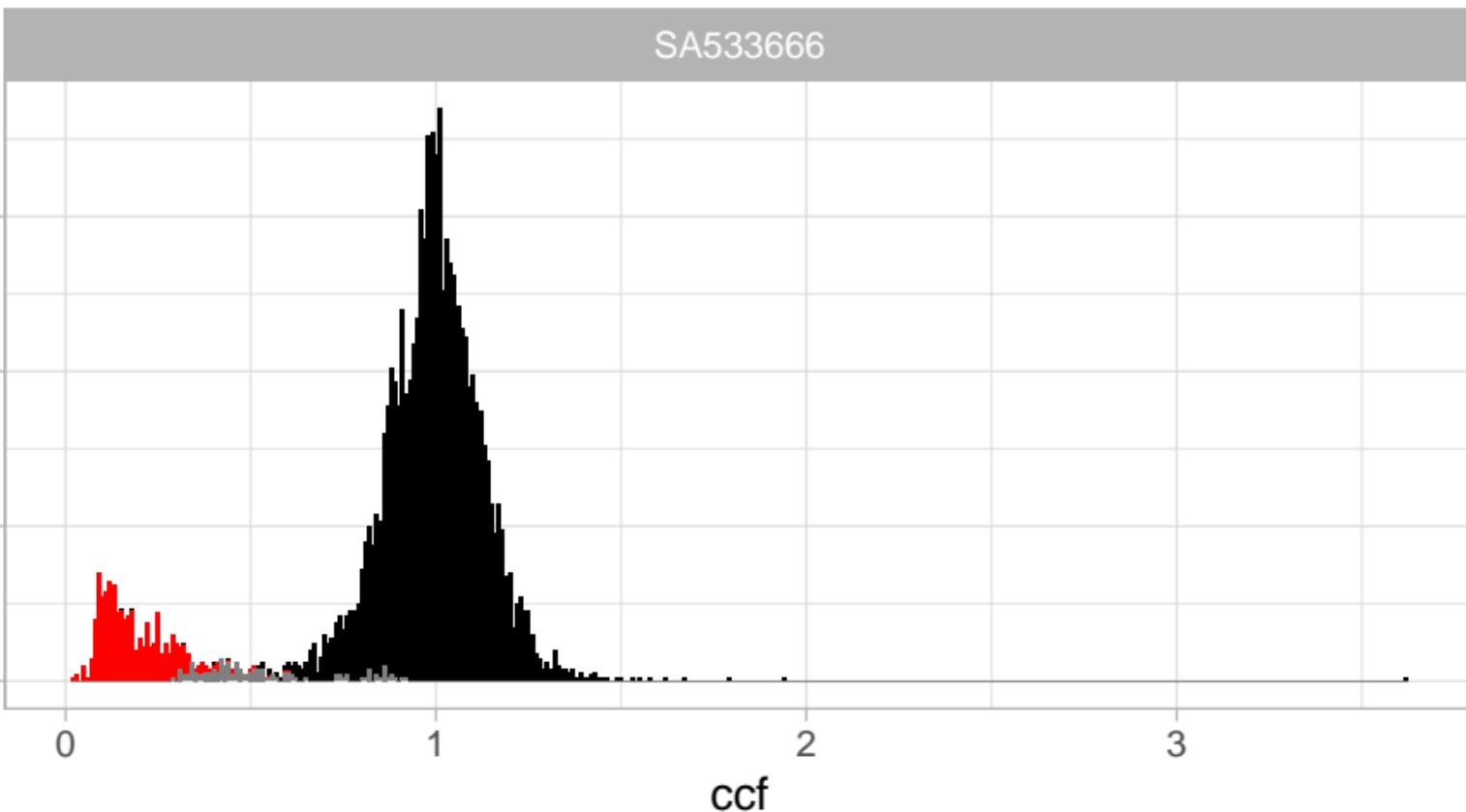
count

150
100
50
0

0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538985

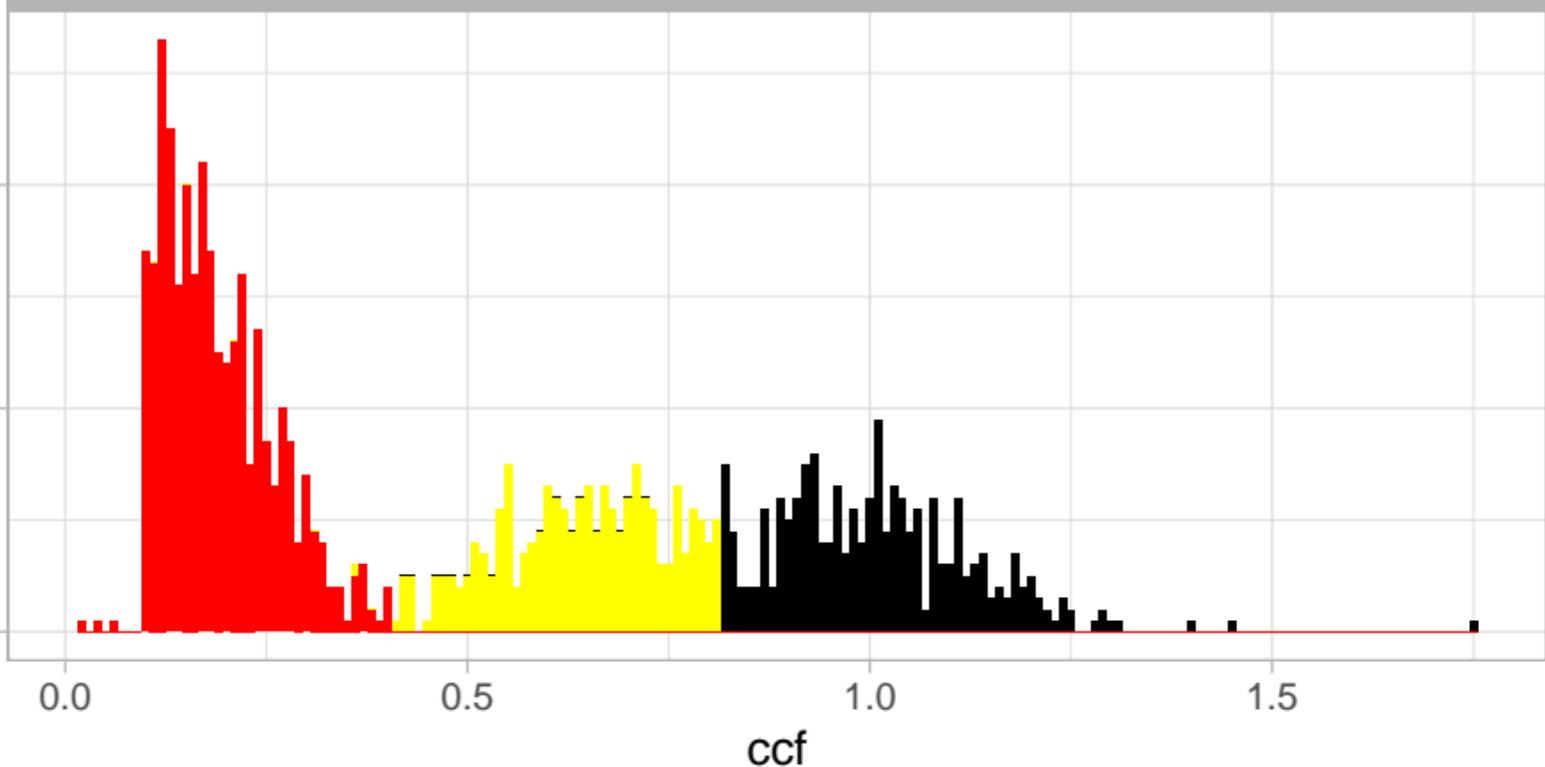
count

40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA557512

count

2000
1000
0

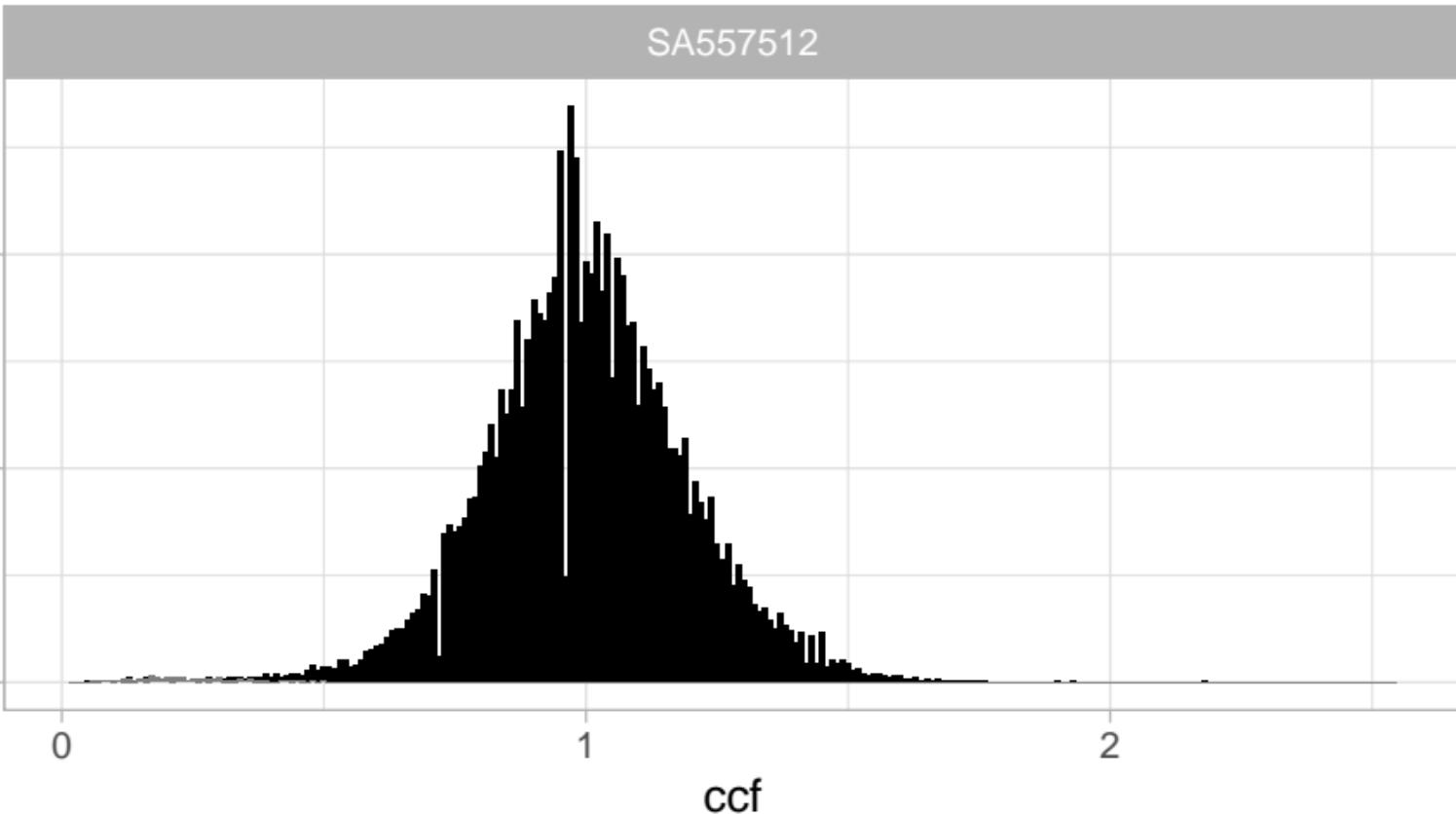
0

1

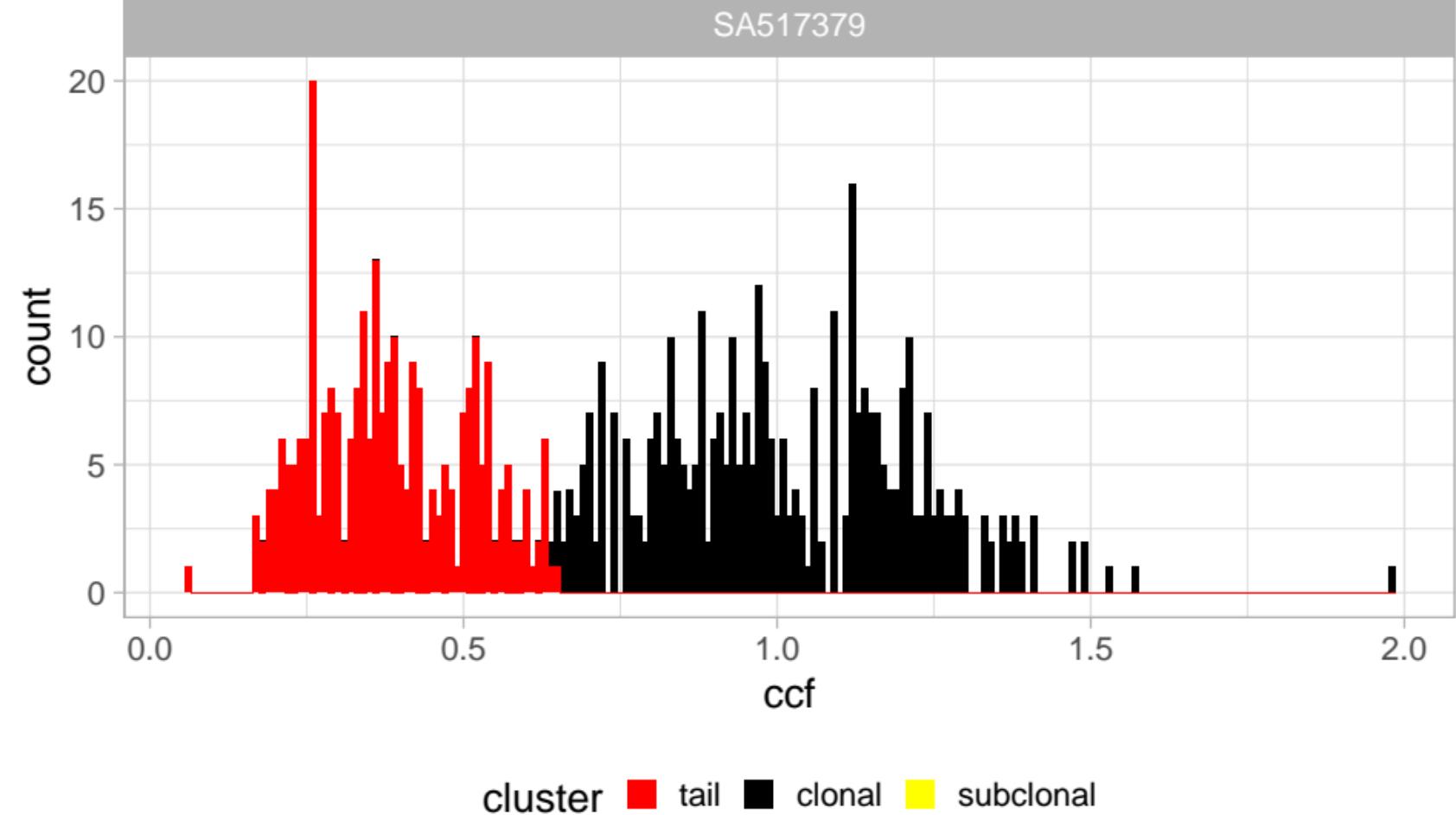
2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA517379



SA501439

count

600
400
200
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA528858

count

150

100

50

0

0

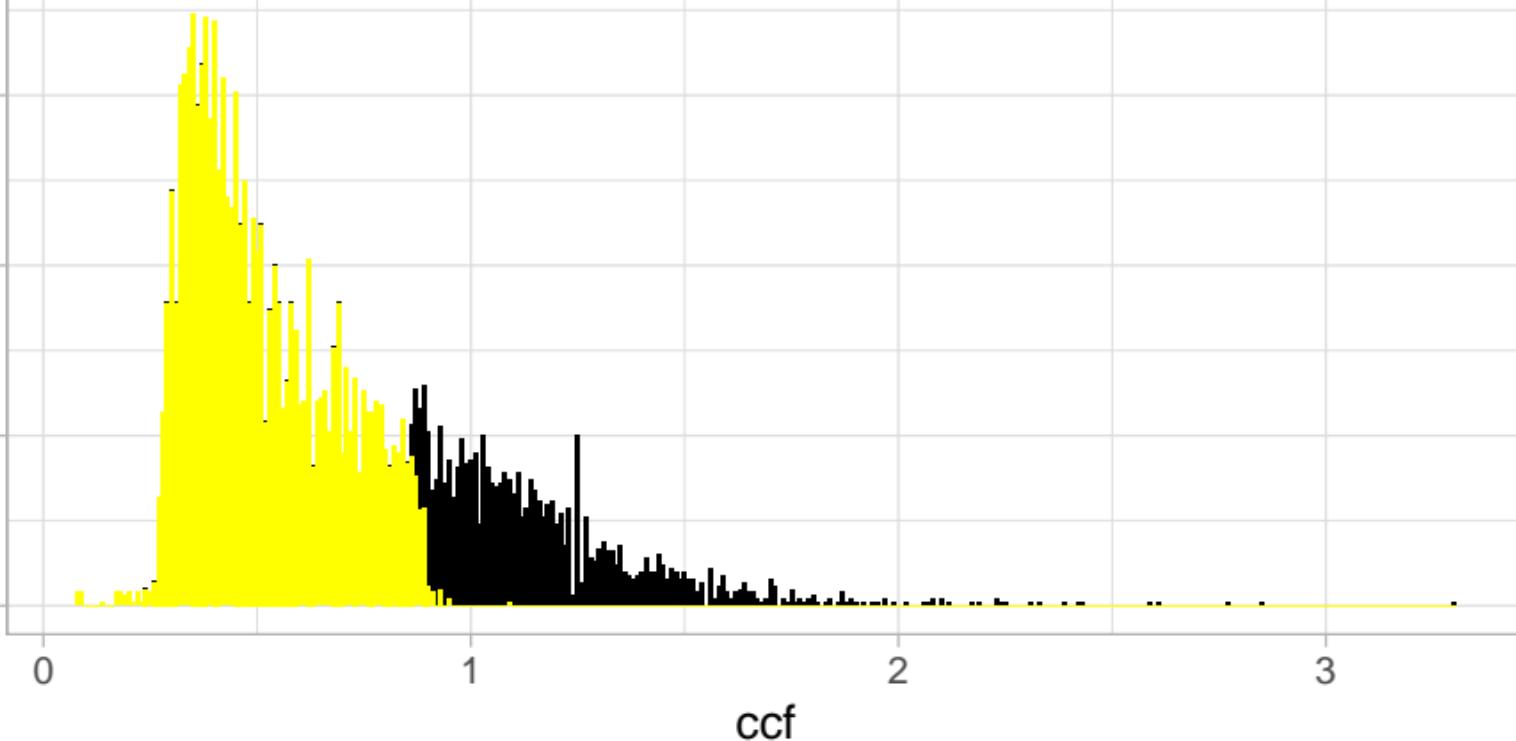
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA518703

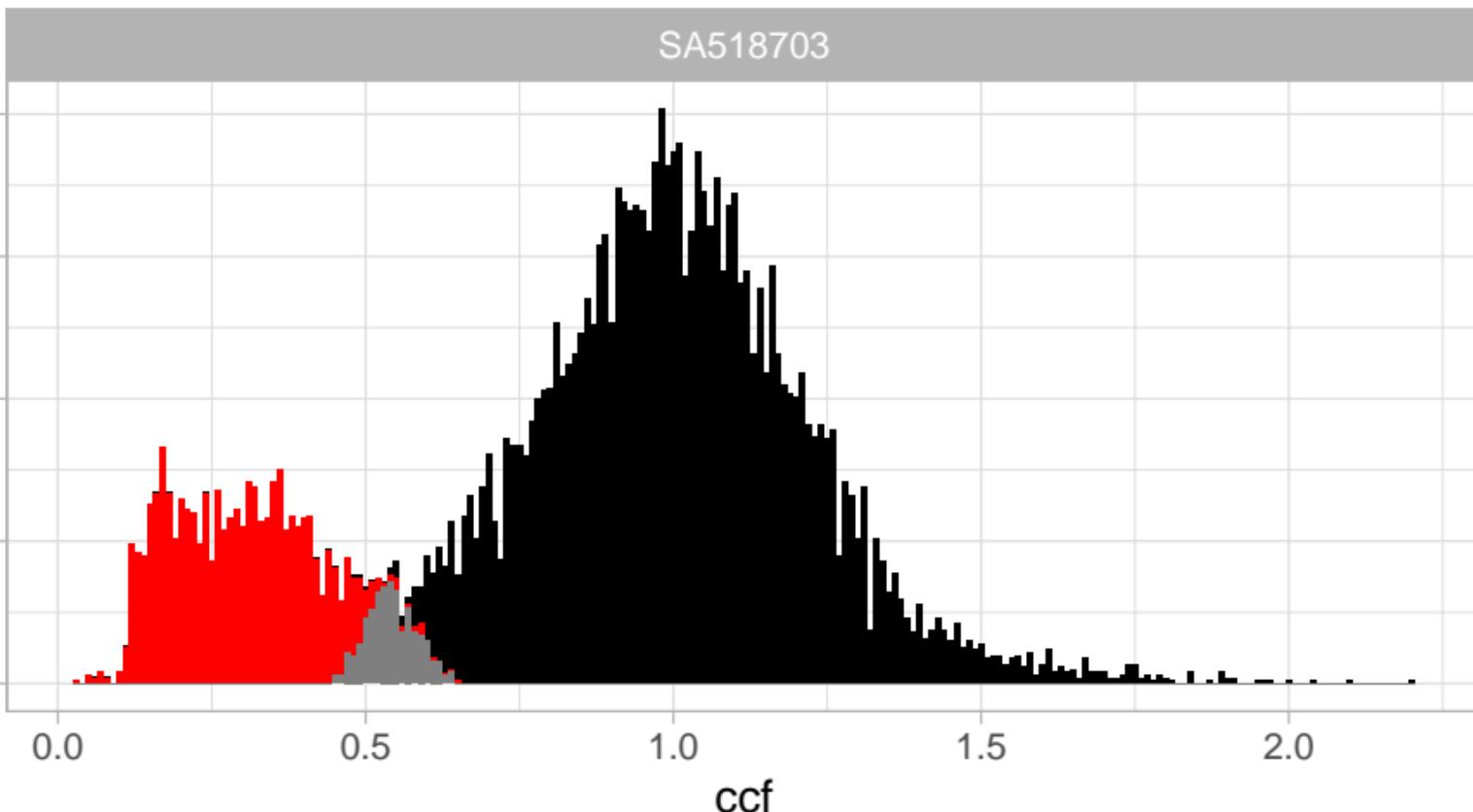
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557505

count

9000
6000
3000
0

0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal

SA410399

count

100

75

50

25

0

0.0

0.5

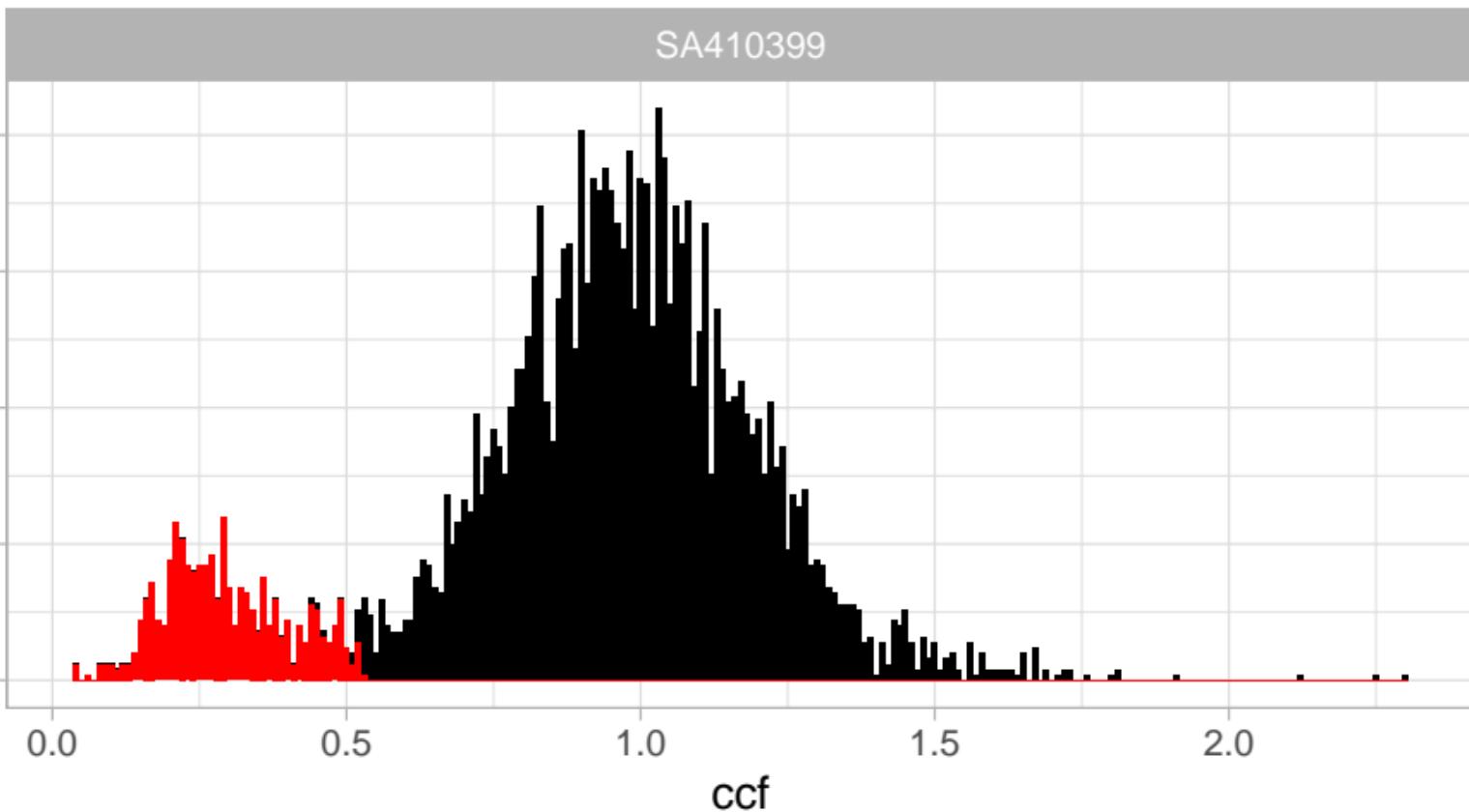
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA557532

count

4000
2000
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal

SA413660

count

6
4
2
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA542888

count

75

50

25

0

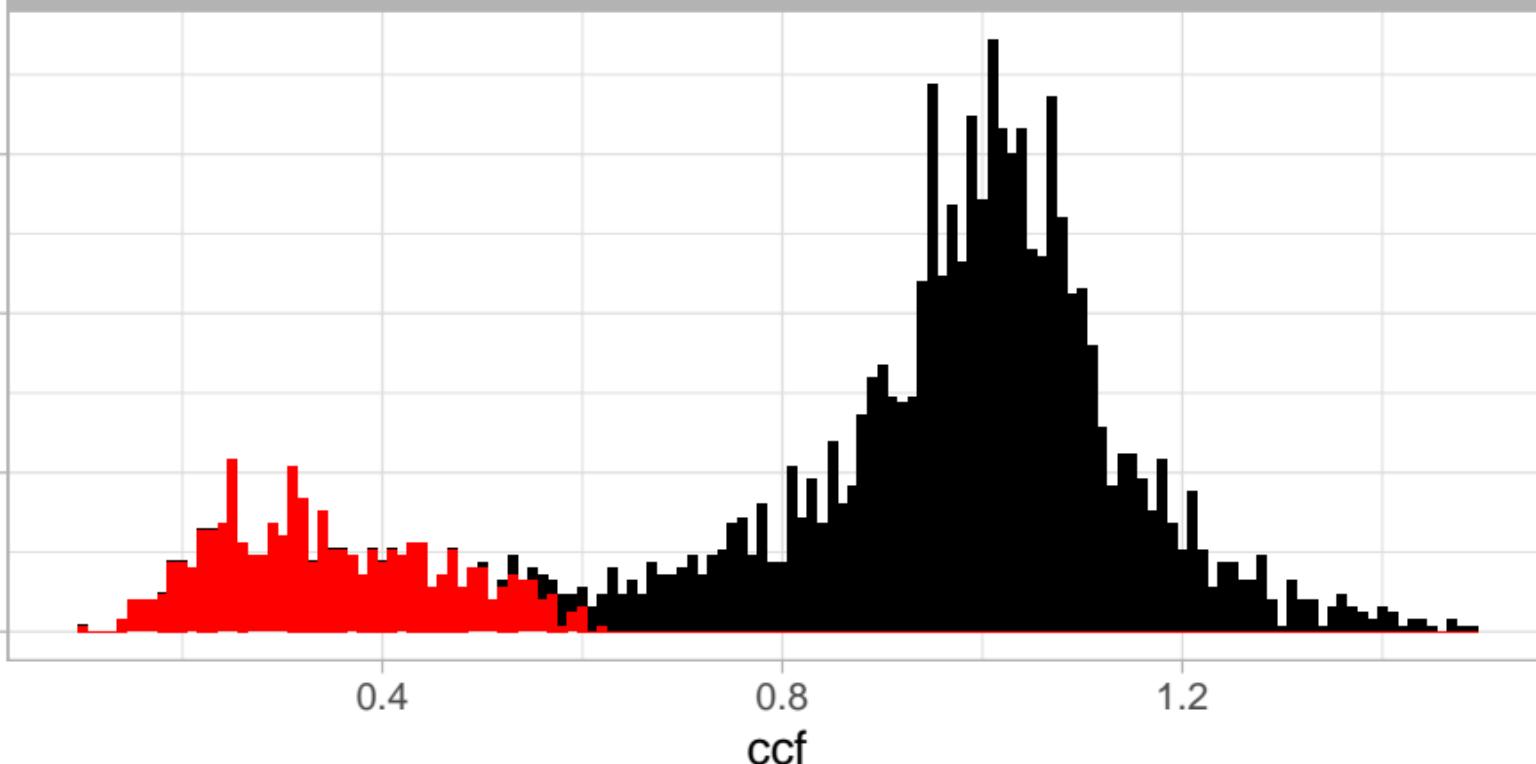
0.4

0.8

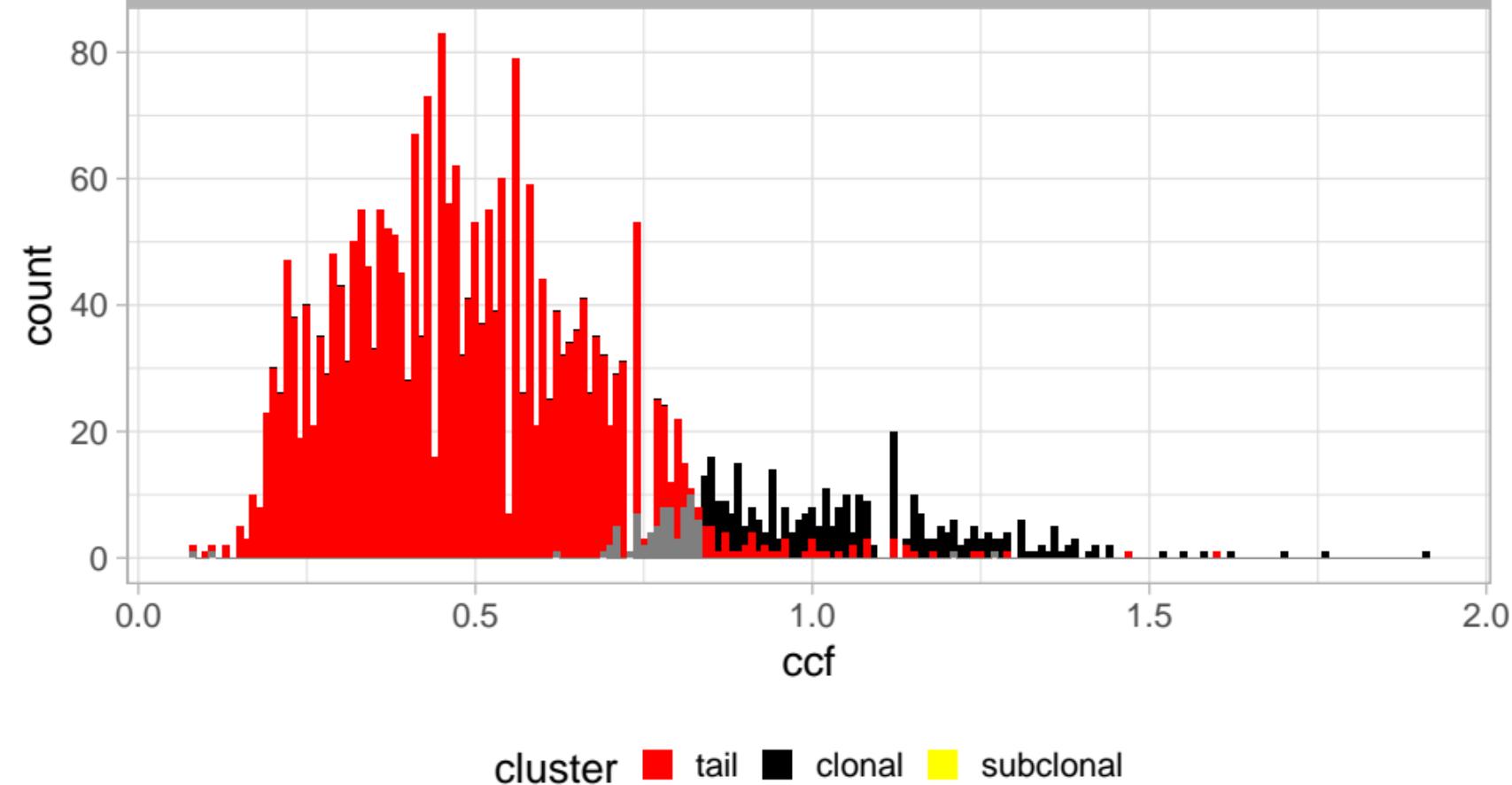
1.2

ccf

cluster tail clonal subclonal



SA86276



SA501578

count

600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA544238

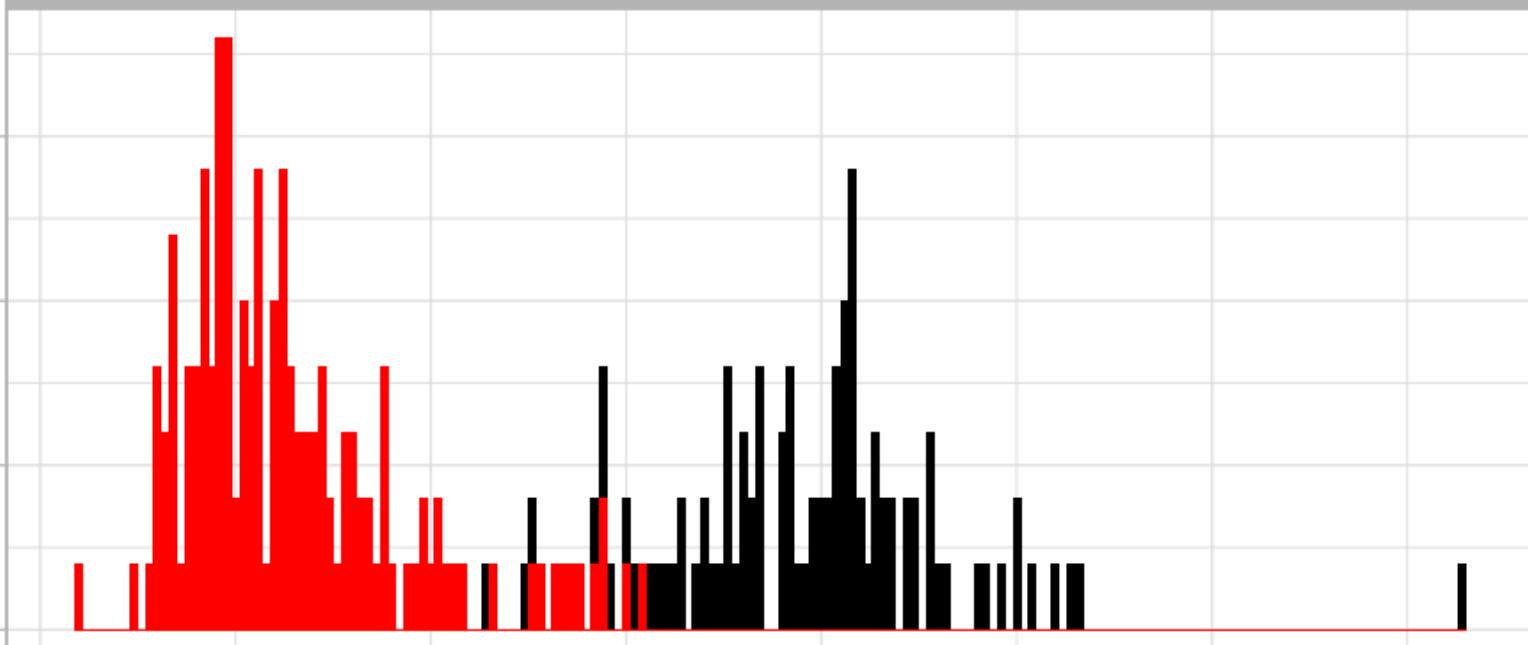
count

7.5
5.0
2.5
0.0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA86239

count

150

100

50

0

0.0

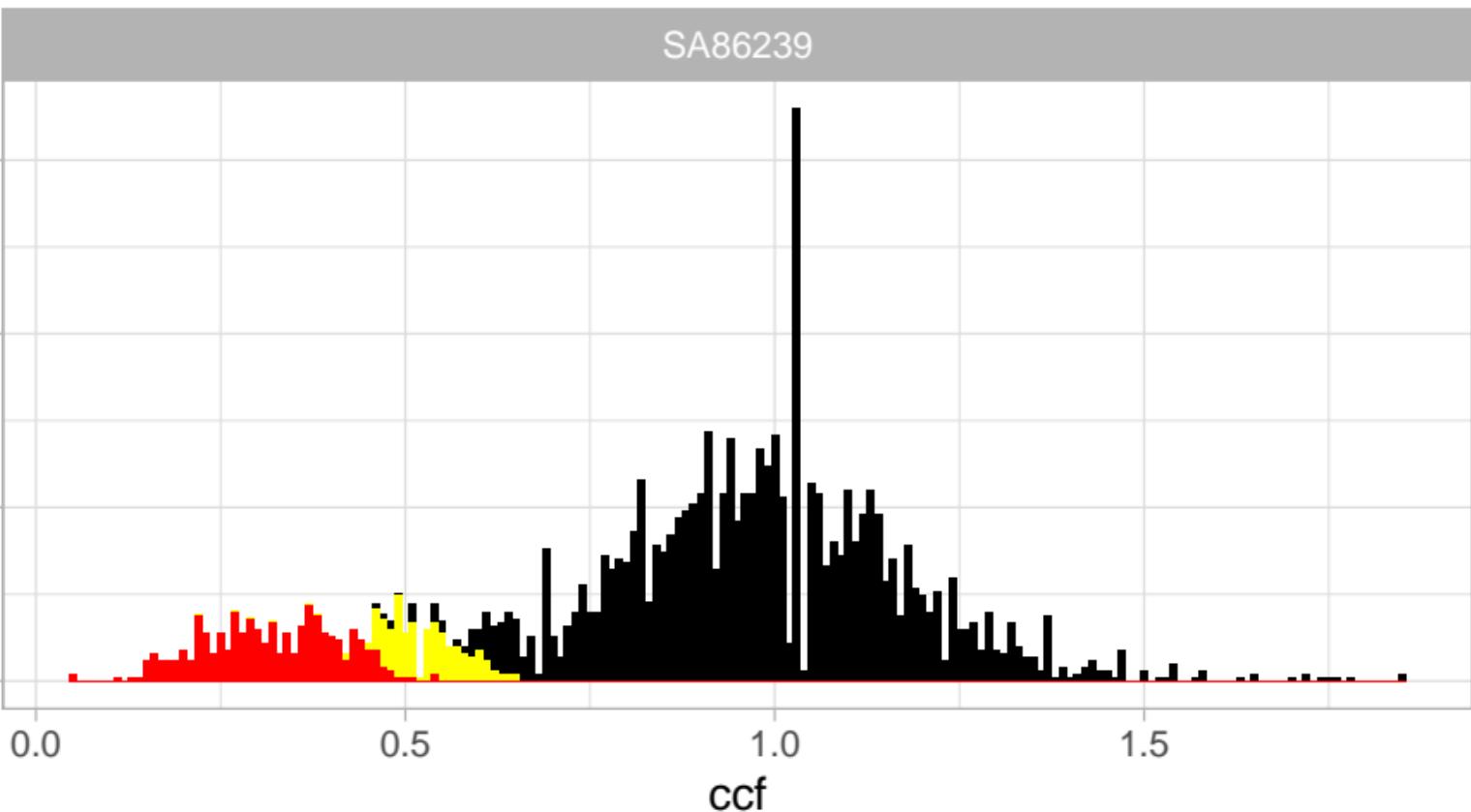
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA557333

count

9000
6000
3000
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA528995

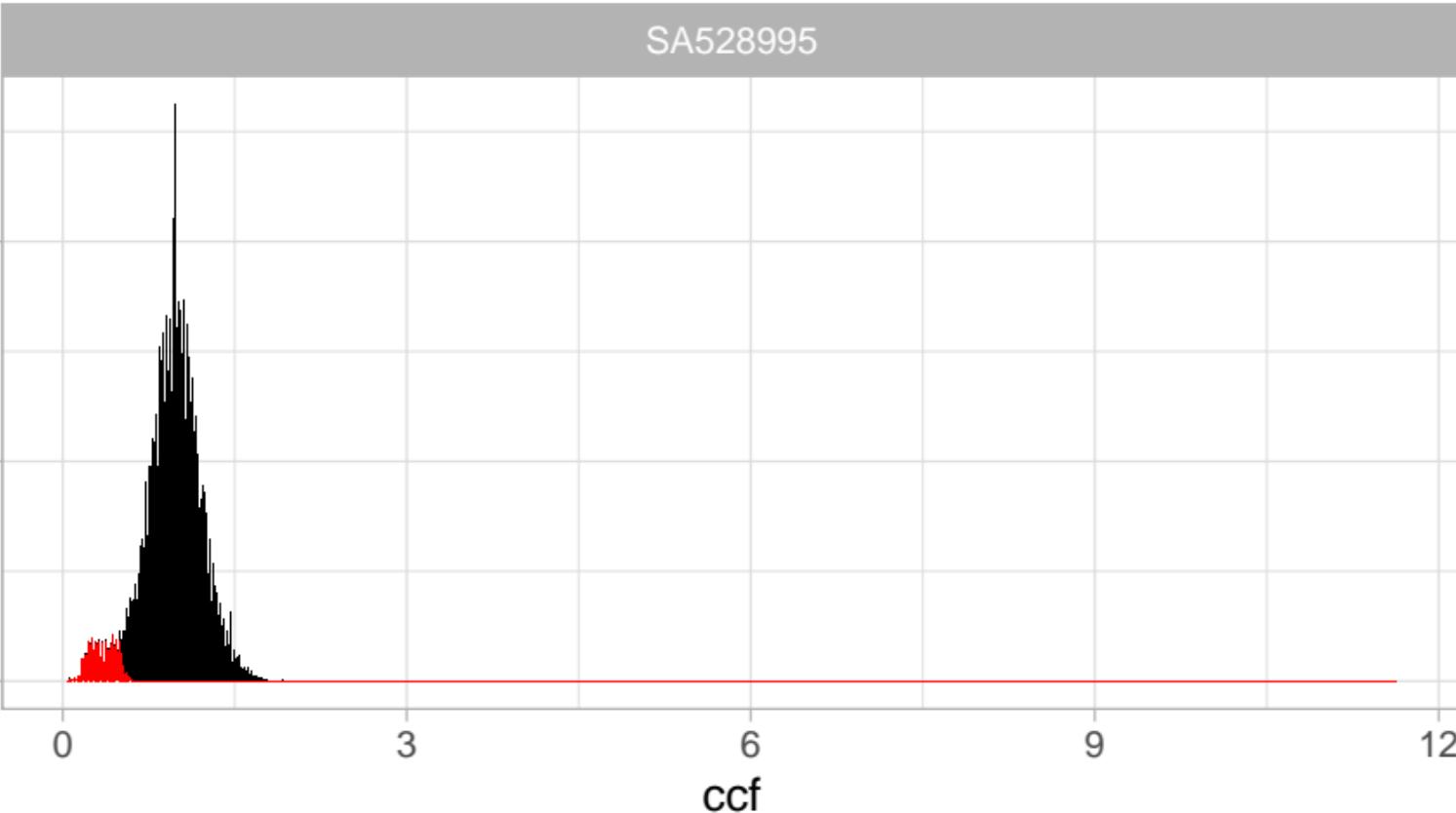
count

1000
500
0

0 3 6 9 12

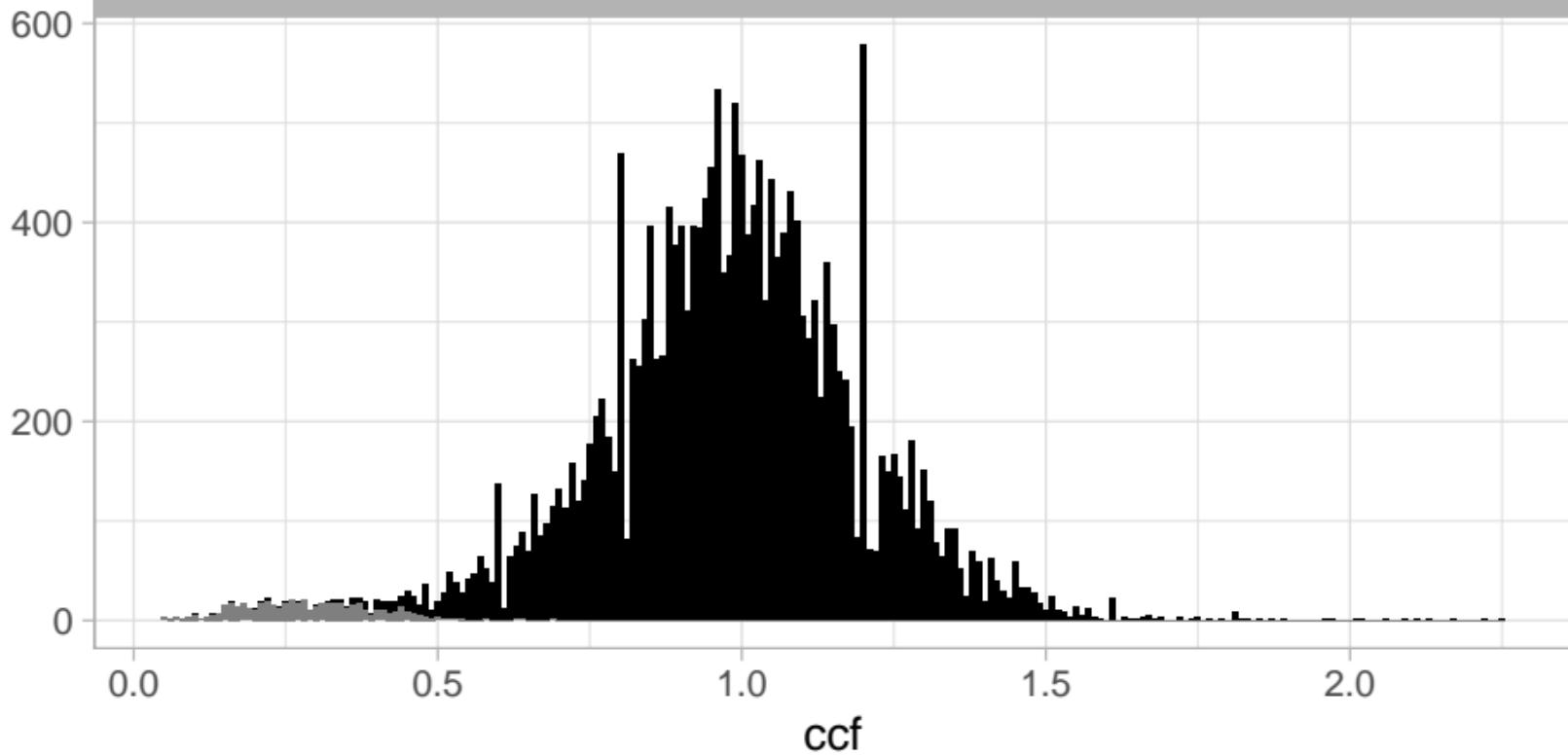
ccf

cluster ■ tail ■ clonal ■ subclonal



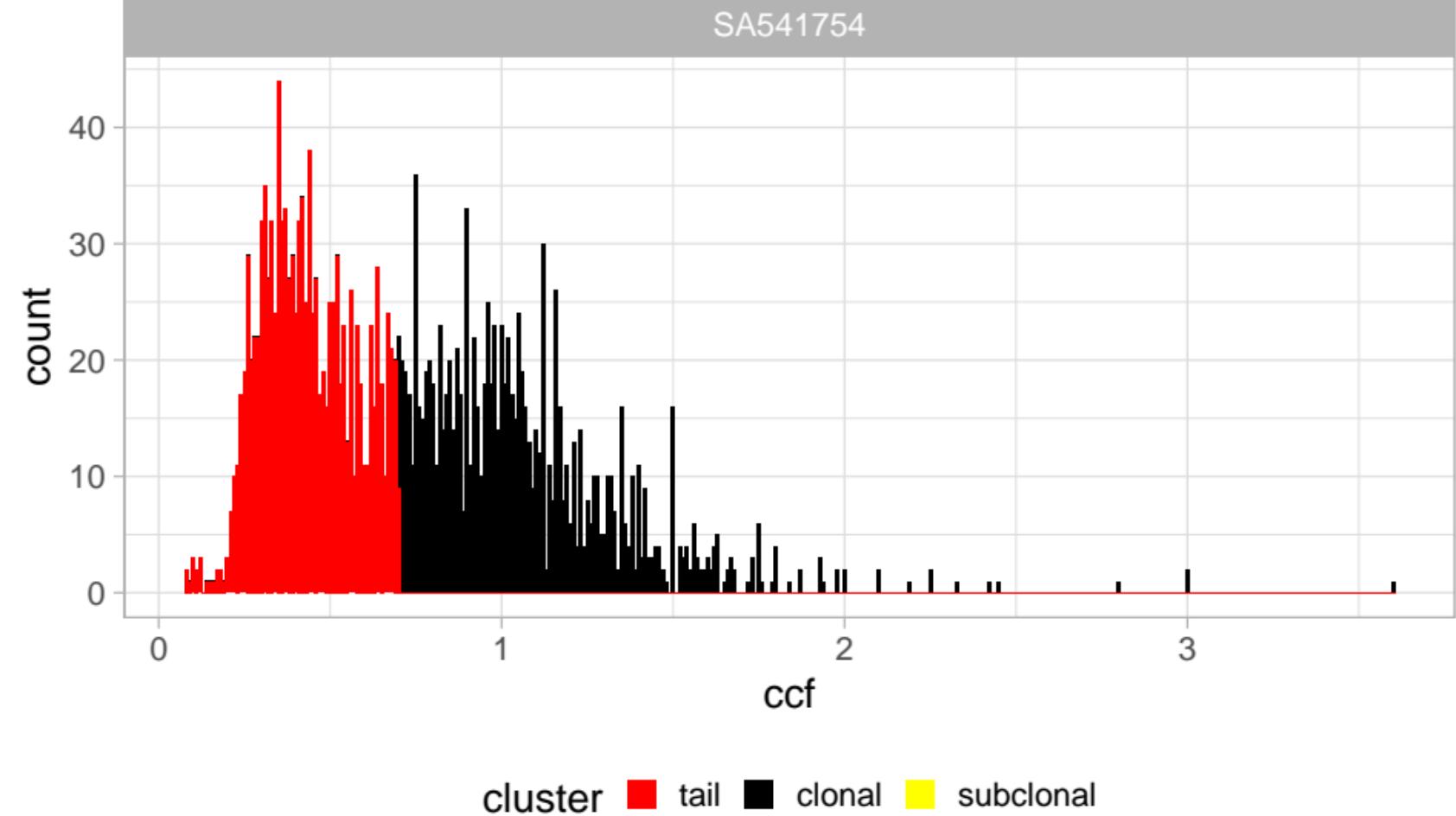
SA501446

count



cluster tail clonal subclonal

SA541754



SA557508

count

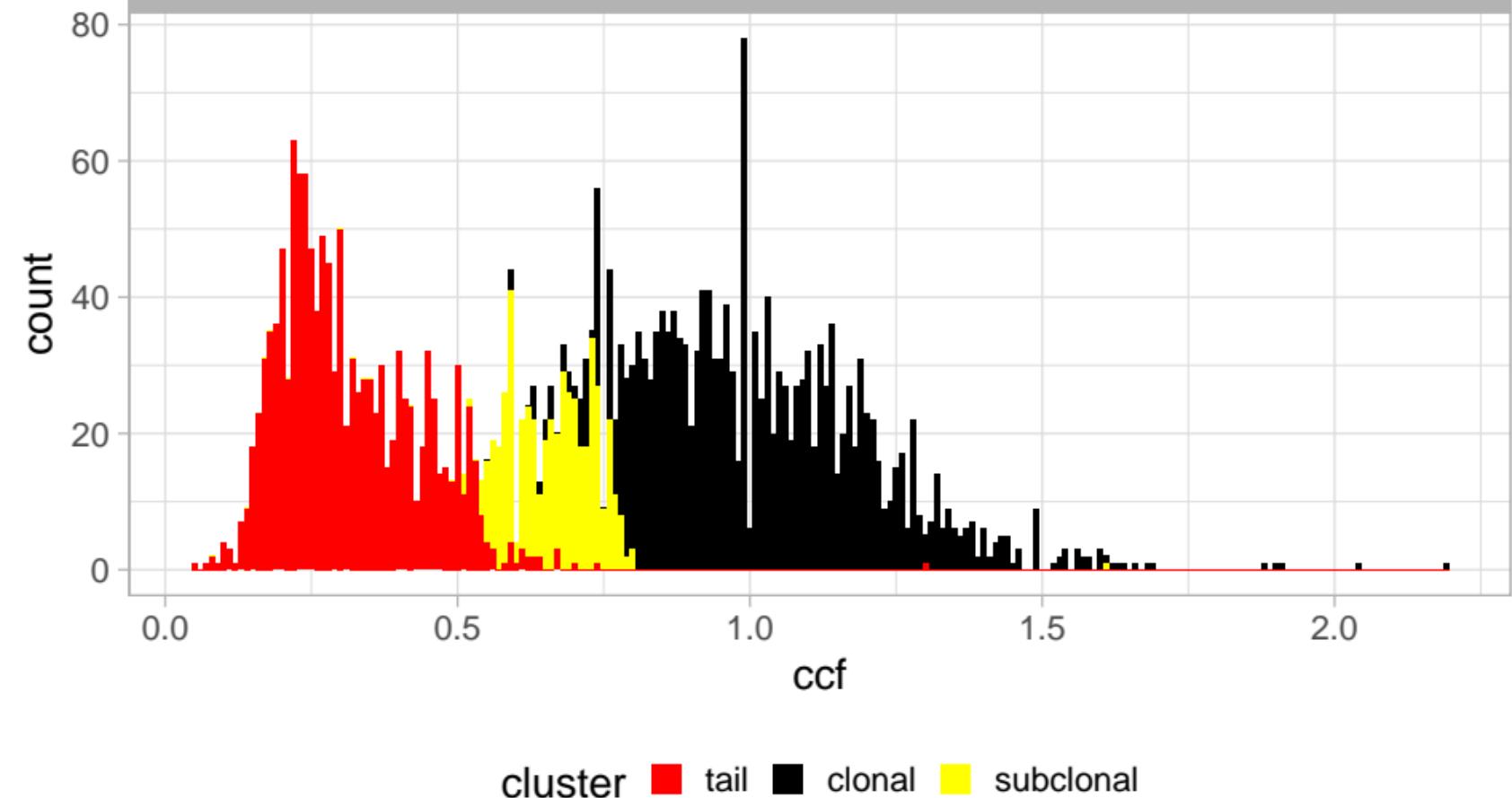
2000
1000
0

0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal

SA530444



SA520314

count

100

50

0

0.0

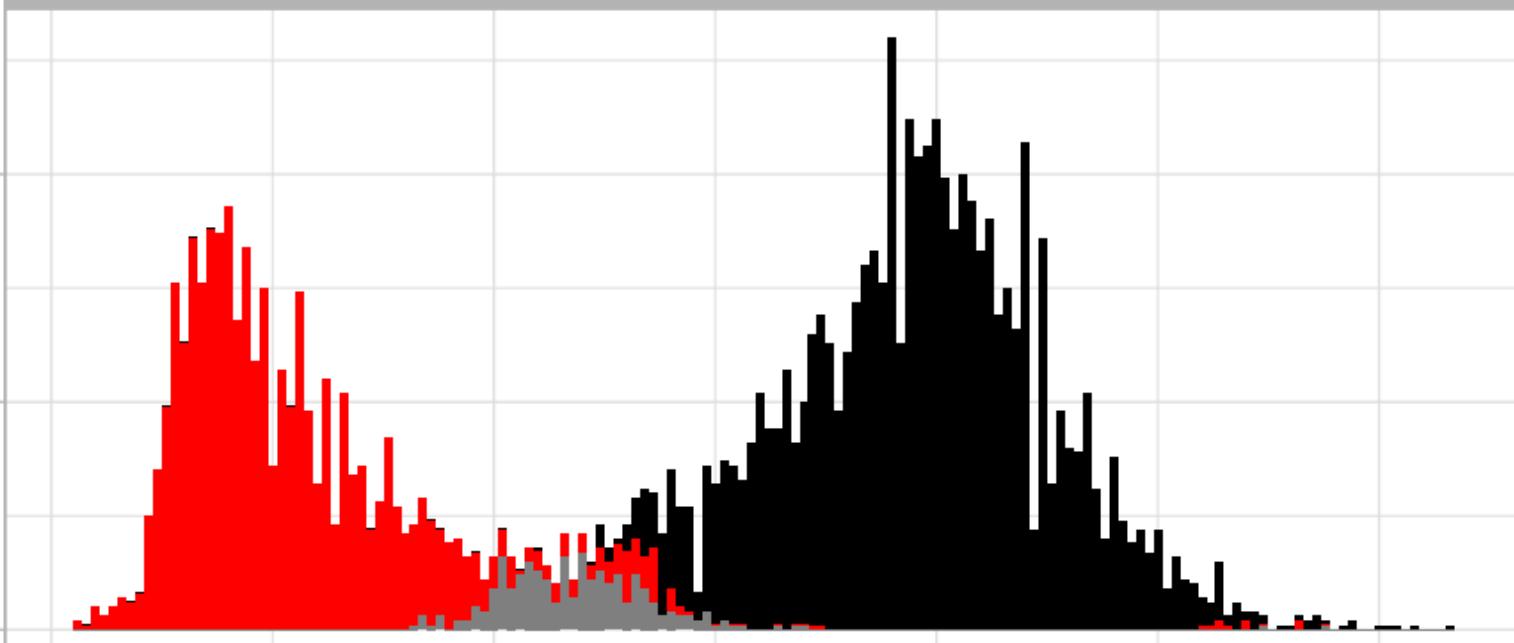
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA320860

count

100

75

50

25

0

0.0

0.5

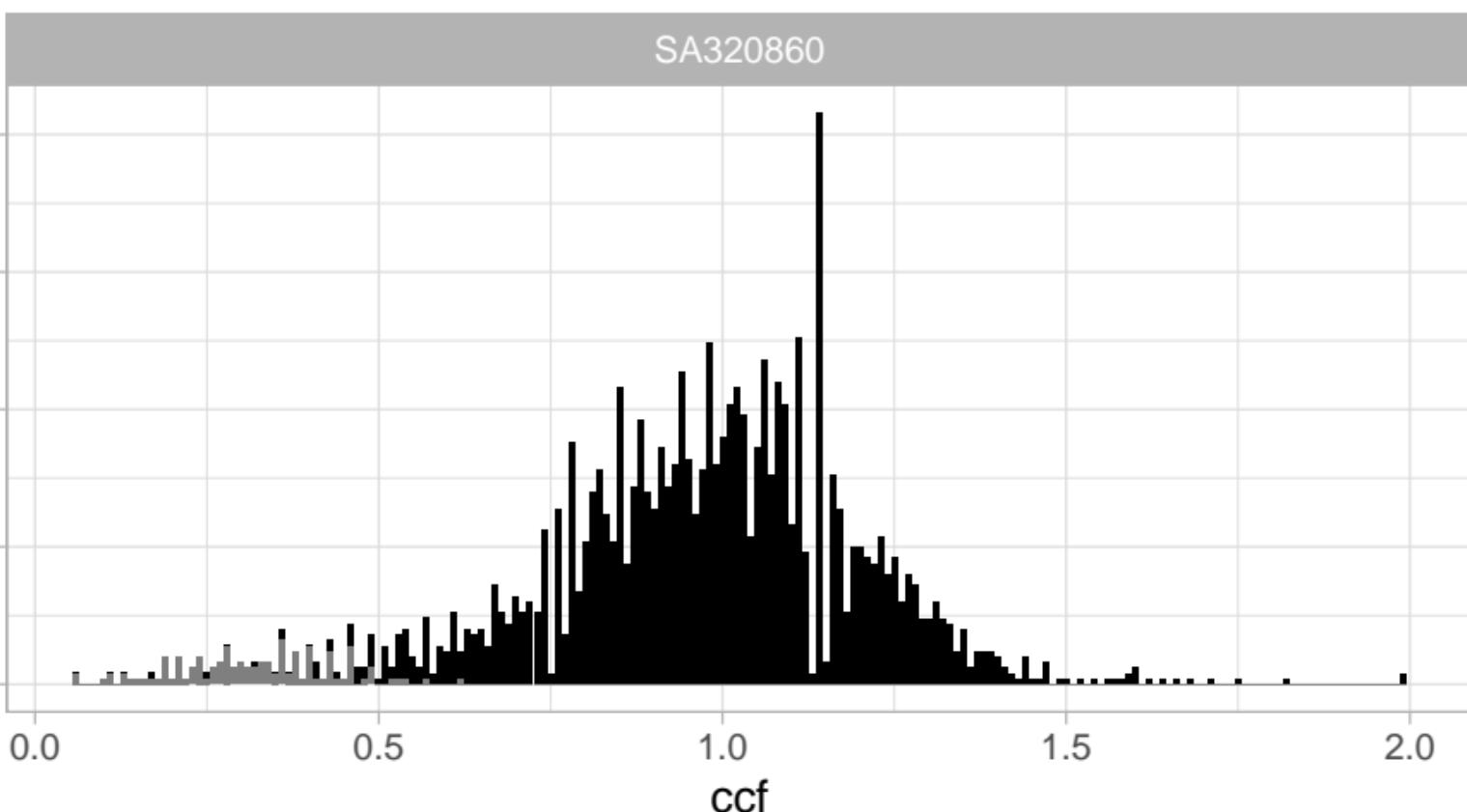
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA544136

count

80

60

20

0

0.0

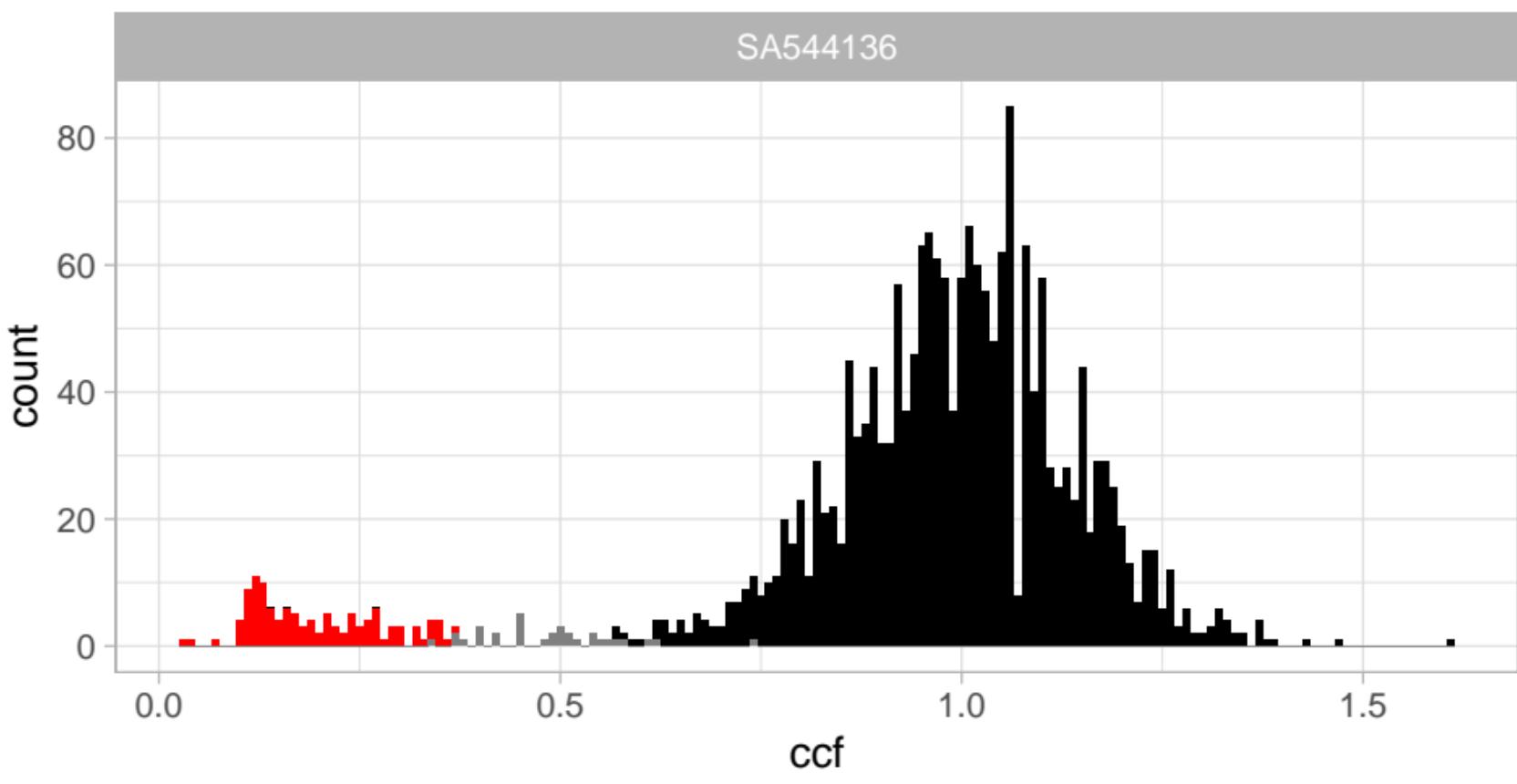
0.5

1.0

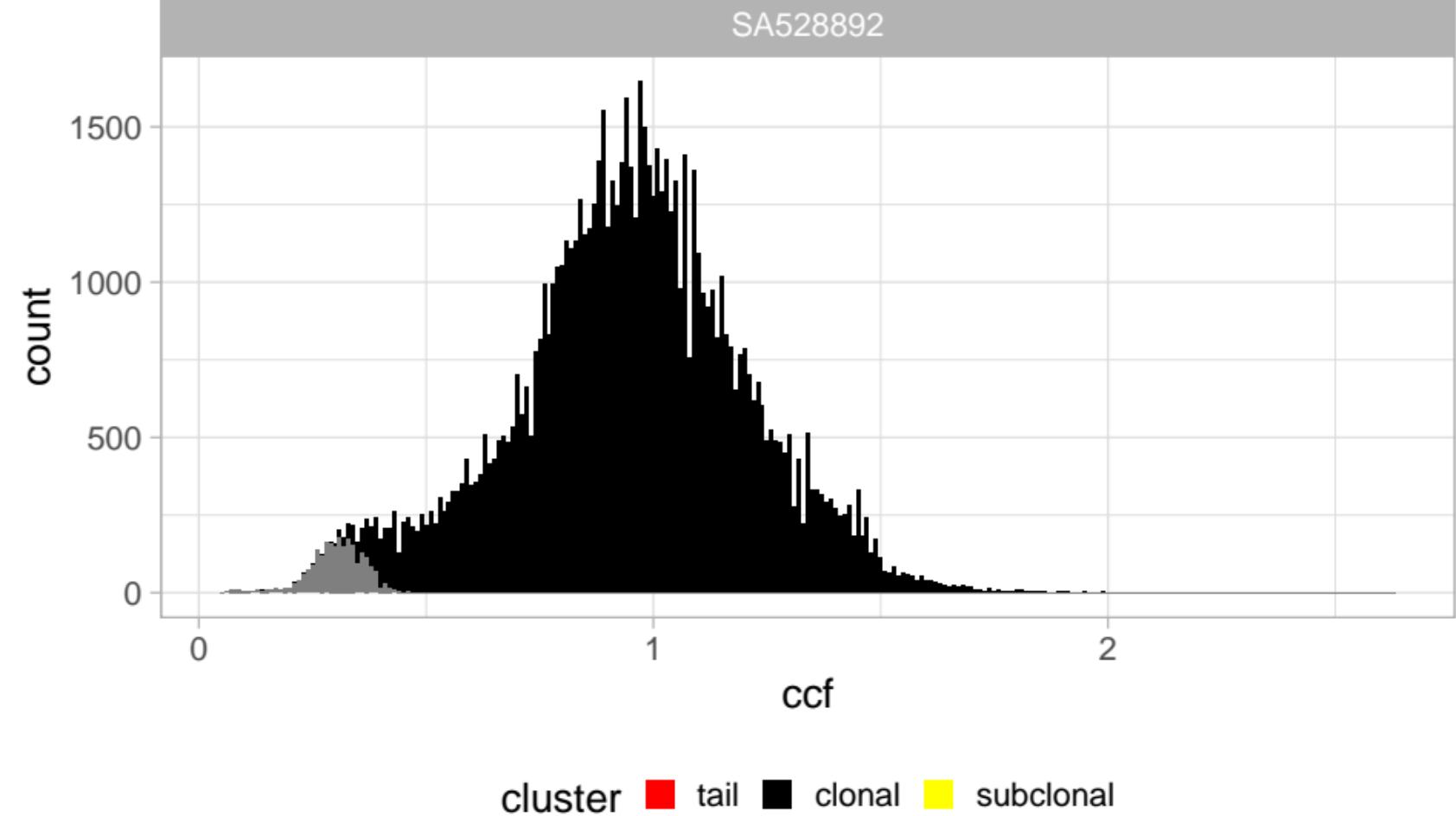
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA528892



SA515427

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA520283

count

100
75
50
25
0

0

1

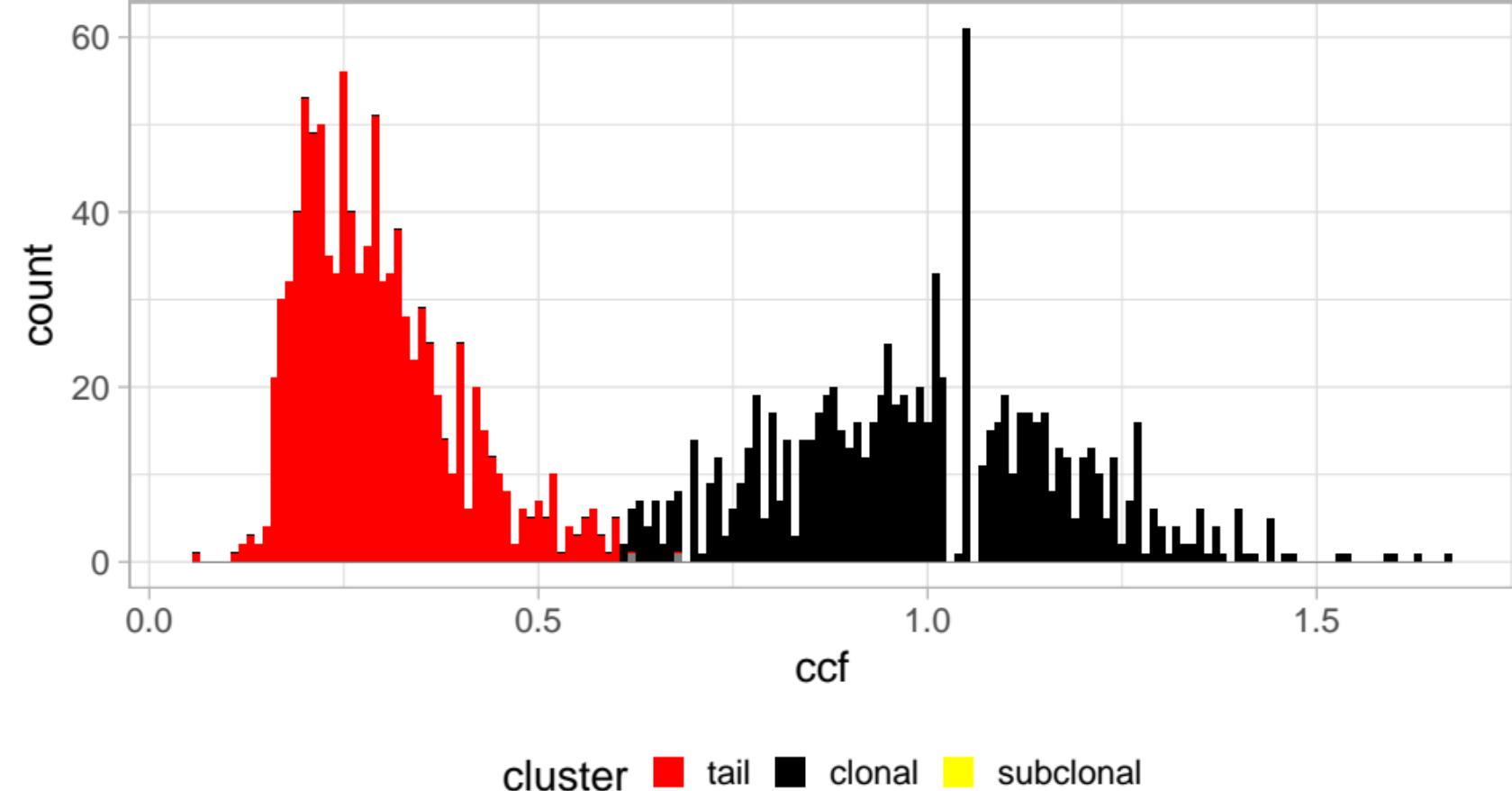
ccf

3

4

cluster ■ tail ■ clonal ■ subclonal

SA85506



SA505633

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517316

count

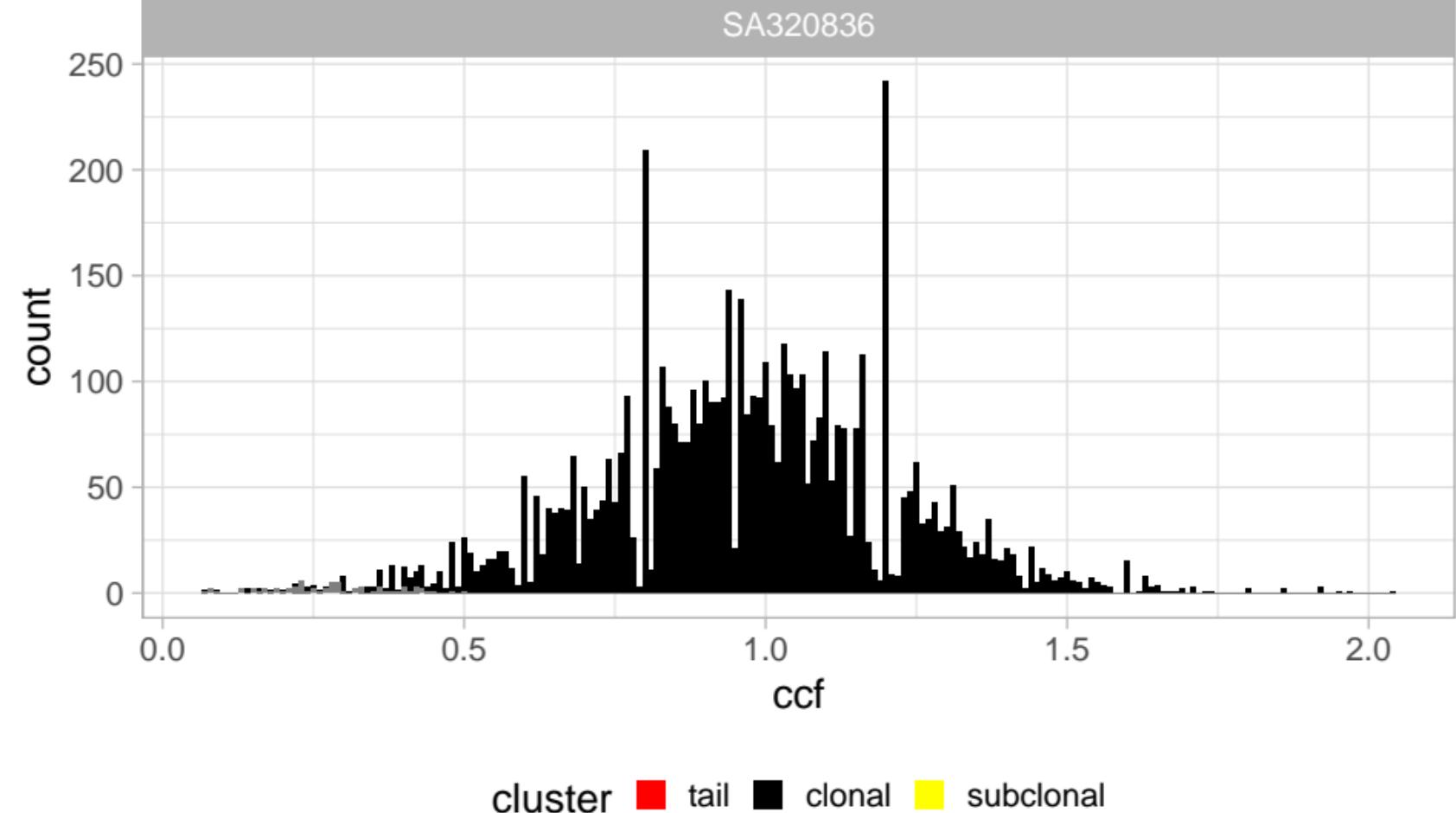
200
150
100
50
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA320836



SA320932

count

150

100

50

0

0.0

0.5

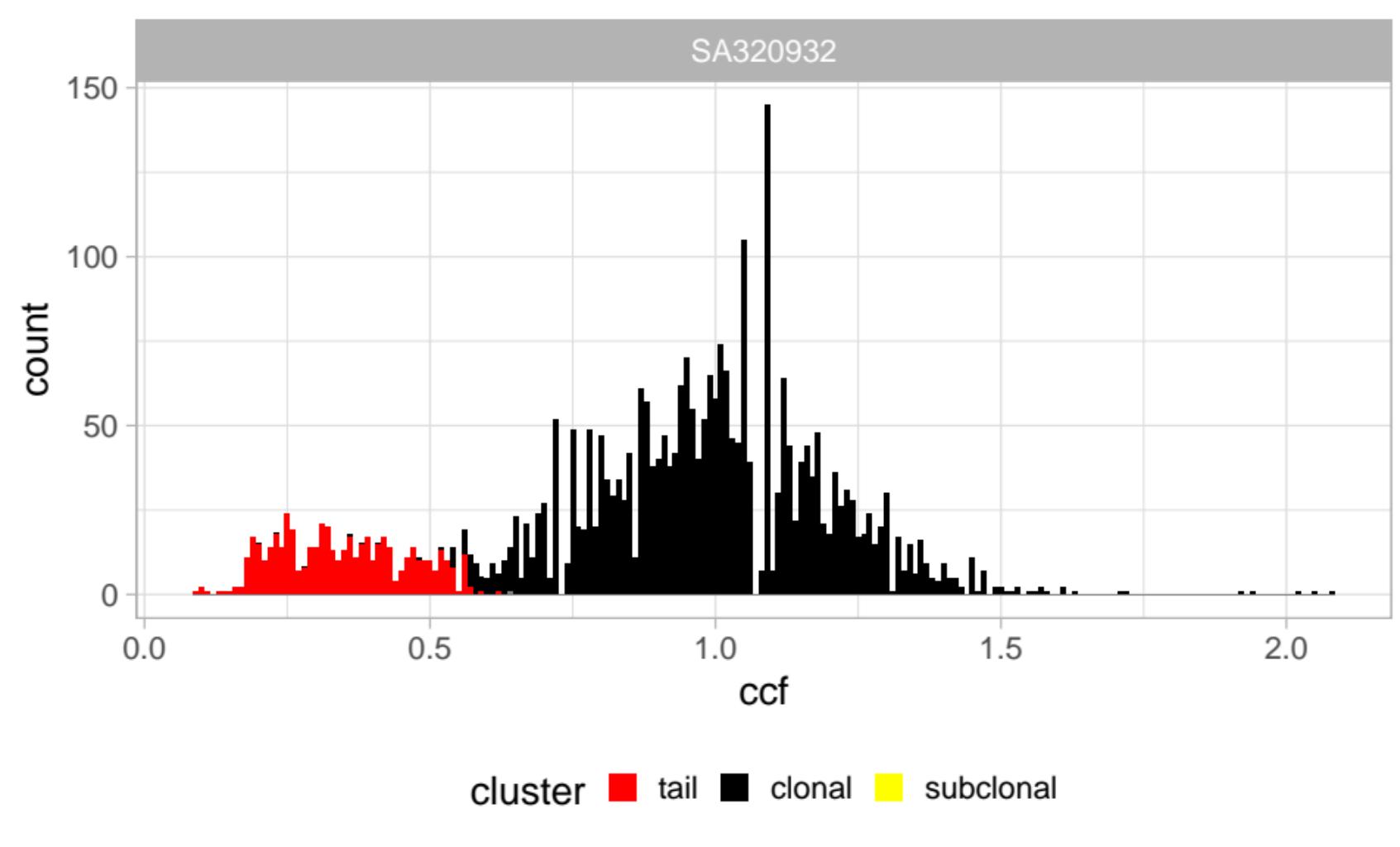
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA520187

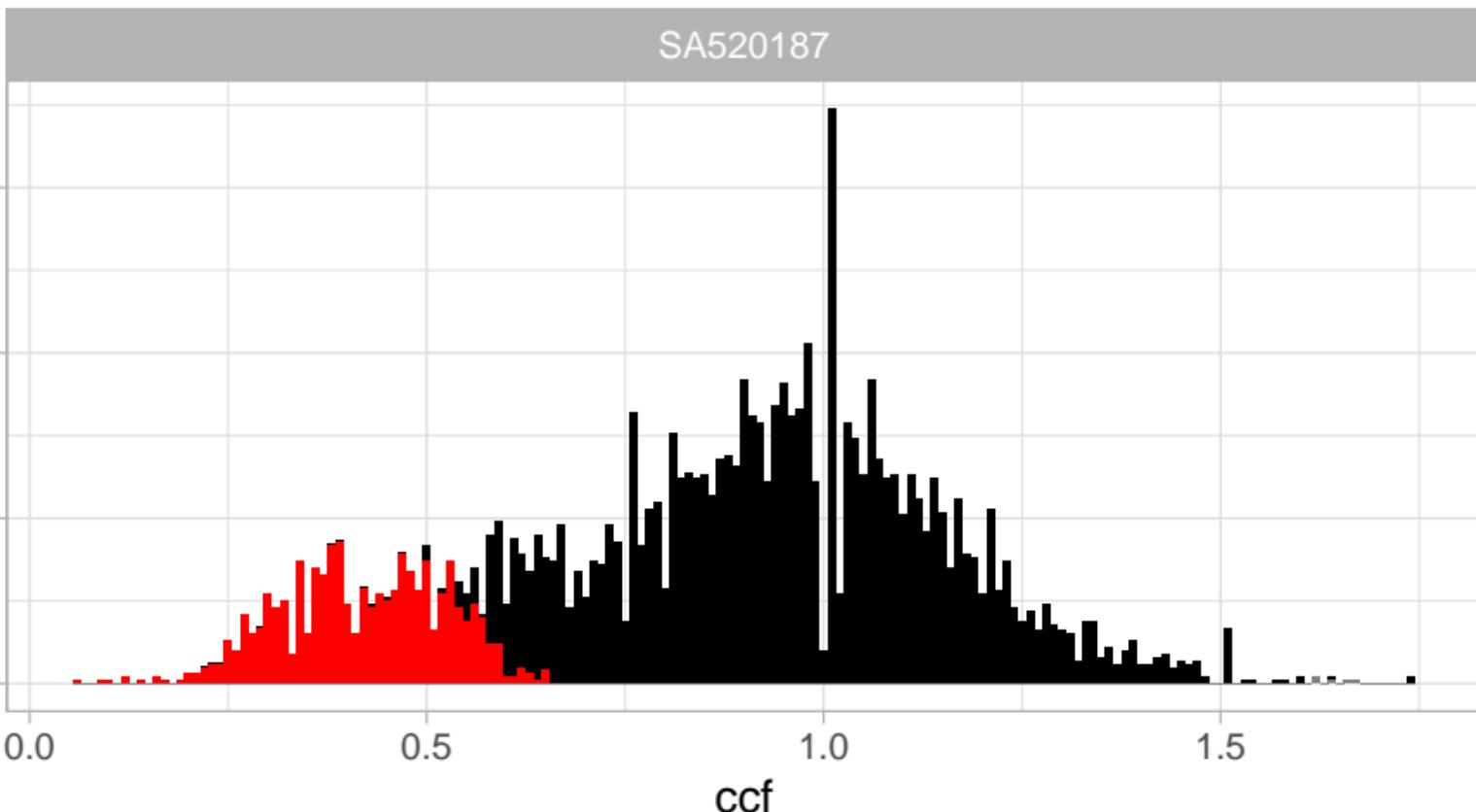
count

150
100
50
0

0.0 0.5 1.0 1.5

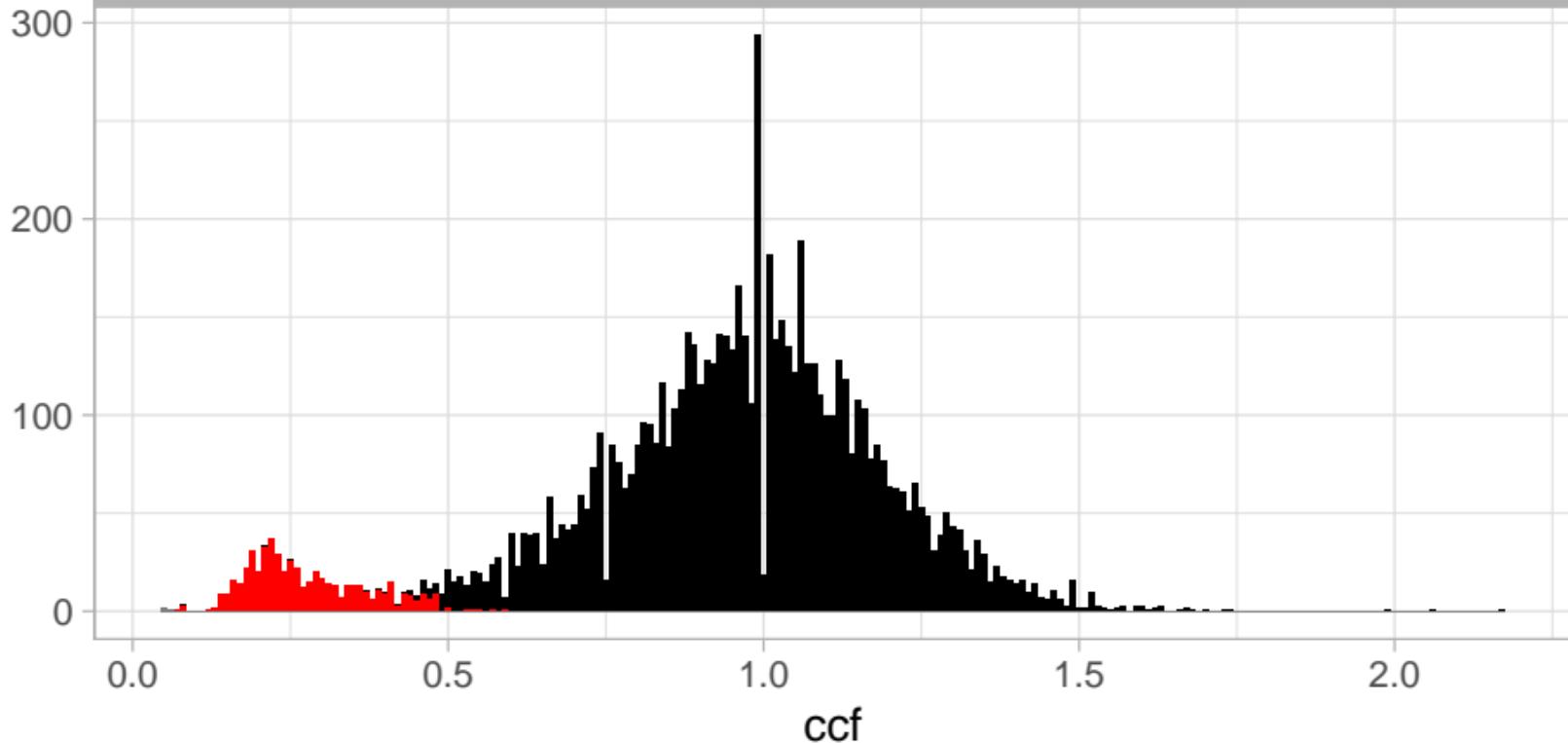
ccf

cluster tail clonal subclonal



SA505821

count



cluster ■ tail ■ clonal ■ subclonal

SA528922

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA505437

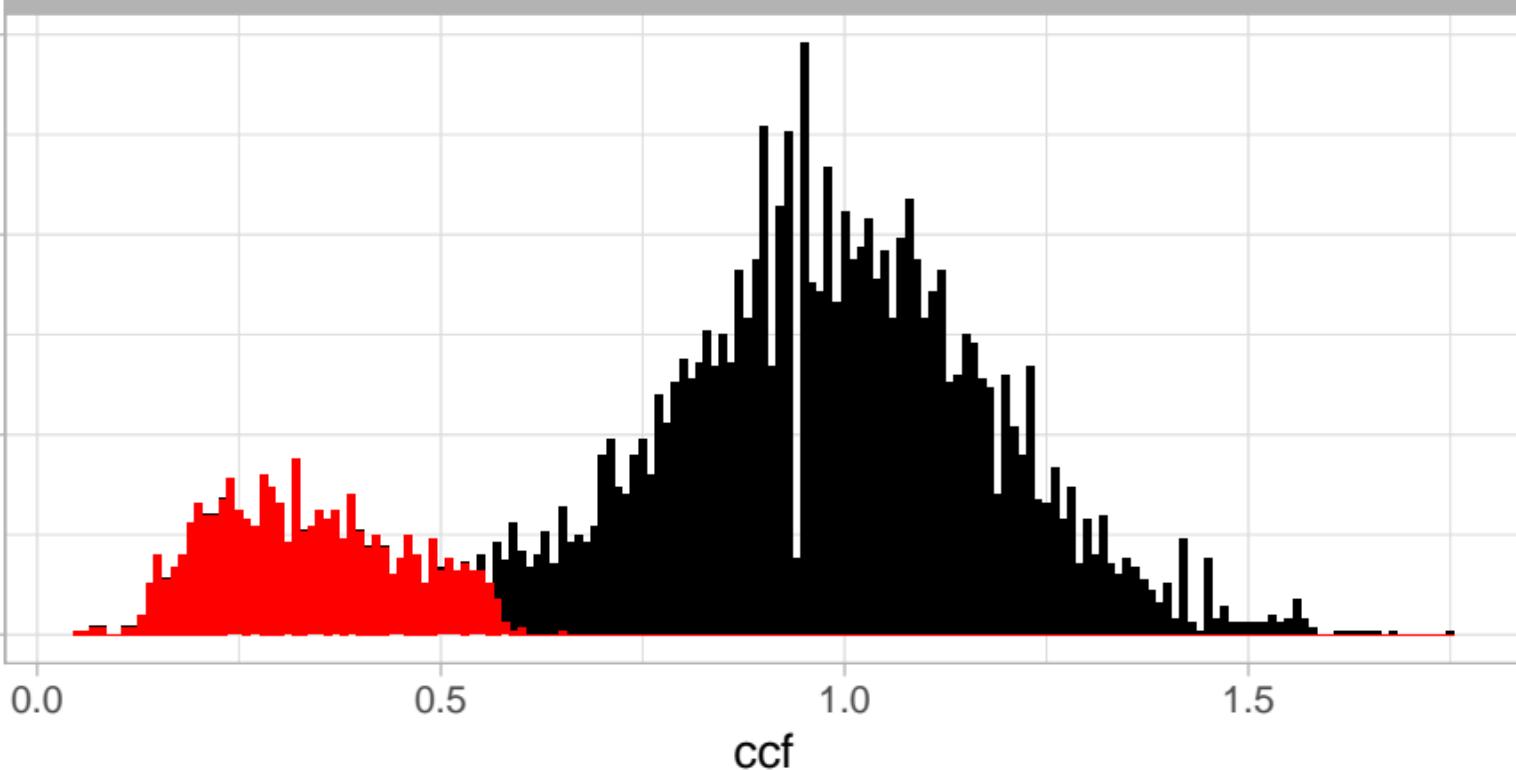
count

150
100
50
0

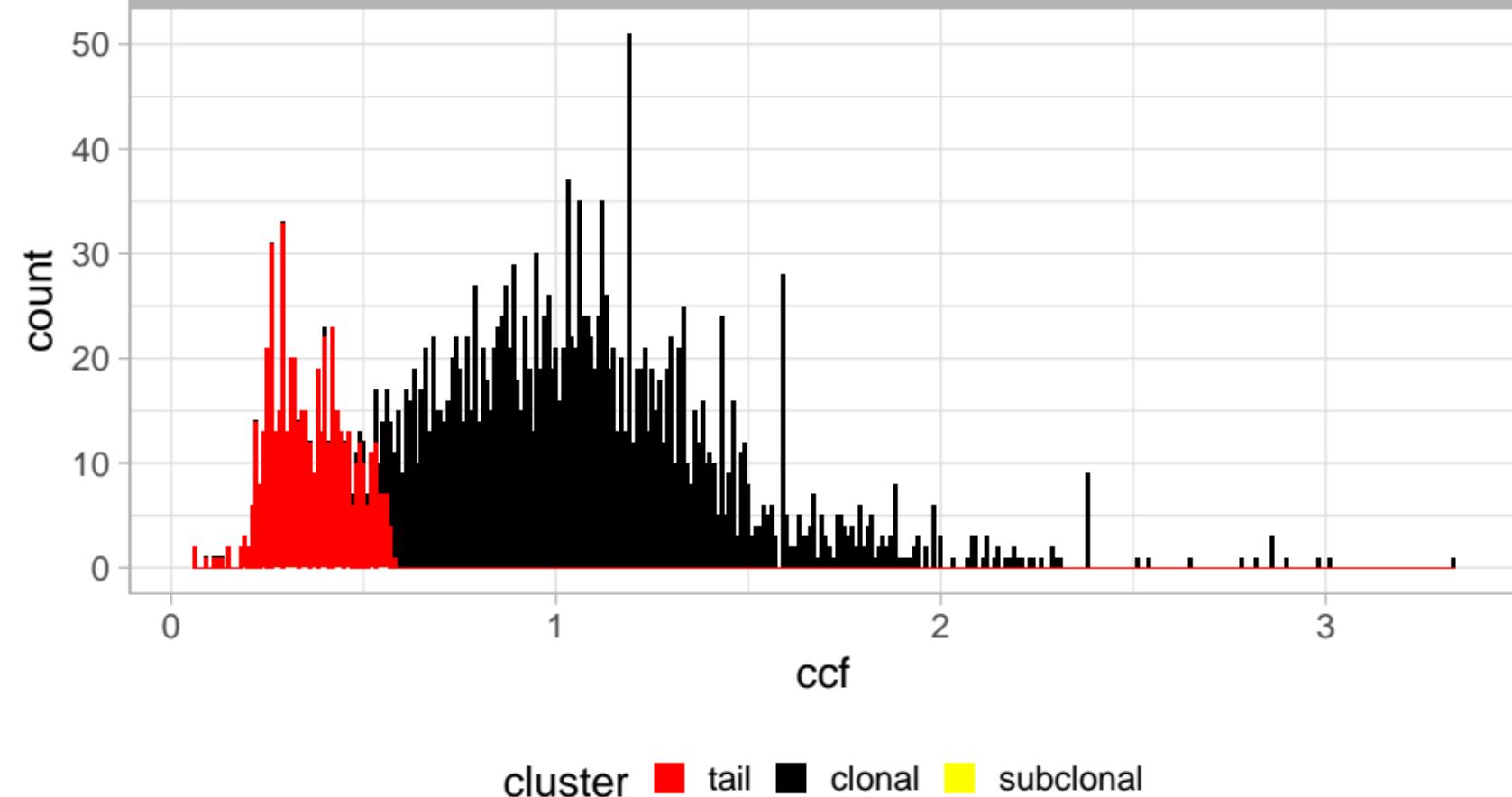
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA541750



SA501448

count

600
400
200
0

0

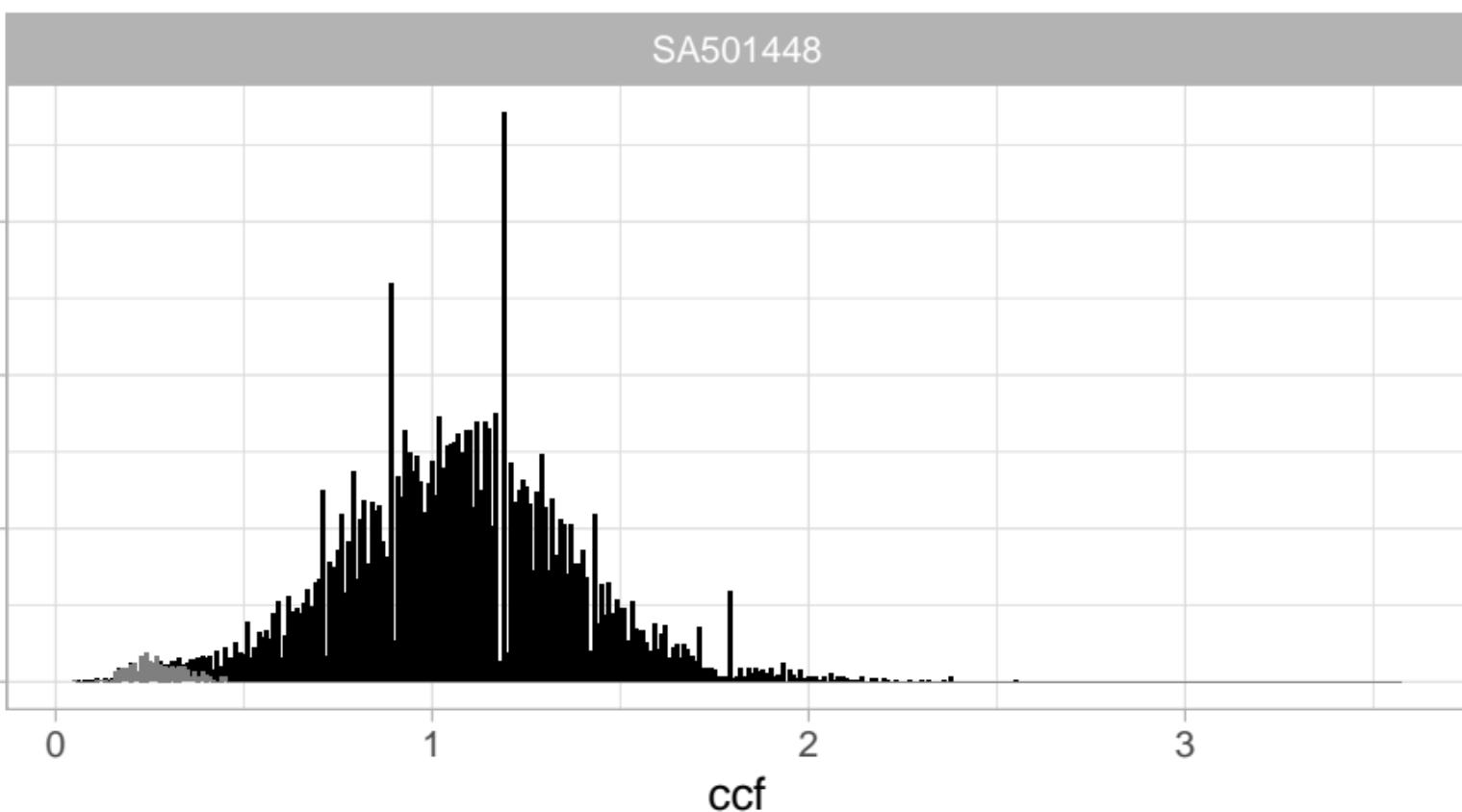
1

2

3

ccf

cluster tail clonal subclonal



SA518876

count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413193

count

90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA533782

count

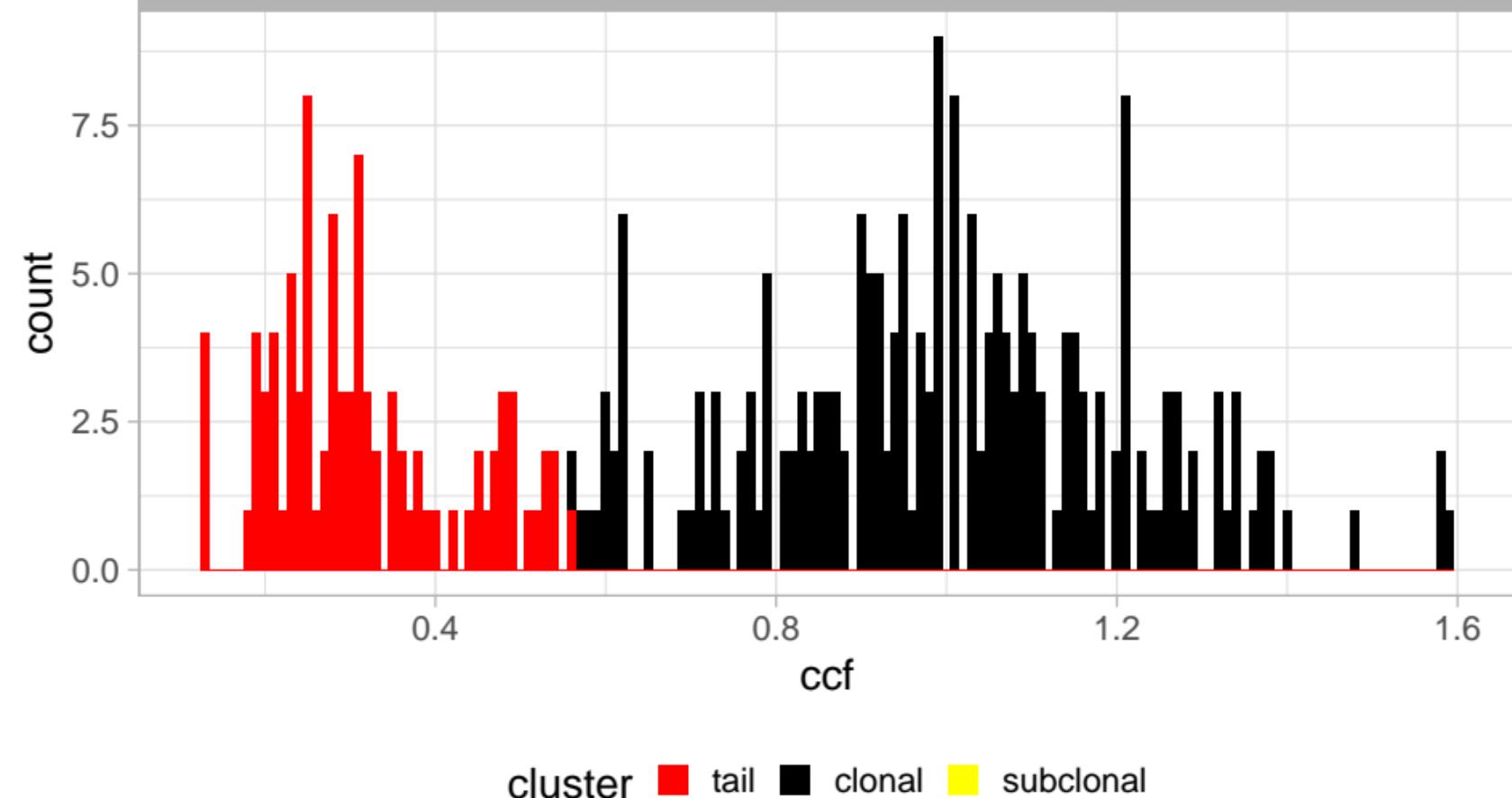
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

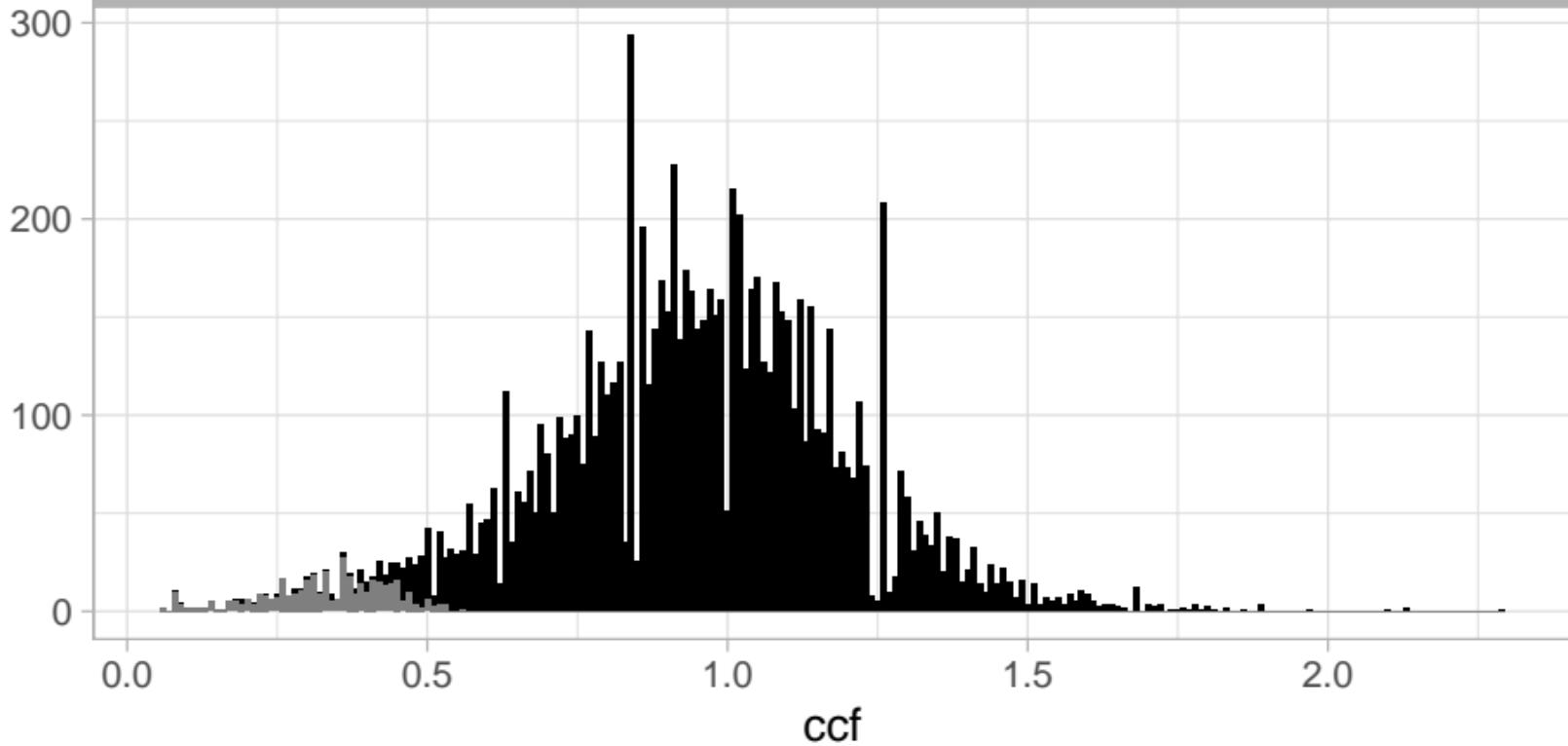
cluster tail clonal subclonal

SA413652



SA321128

count



cluster ■ tail ■ clonal ■ subclonal

SA533718

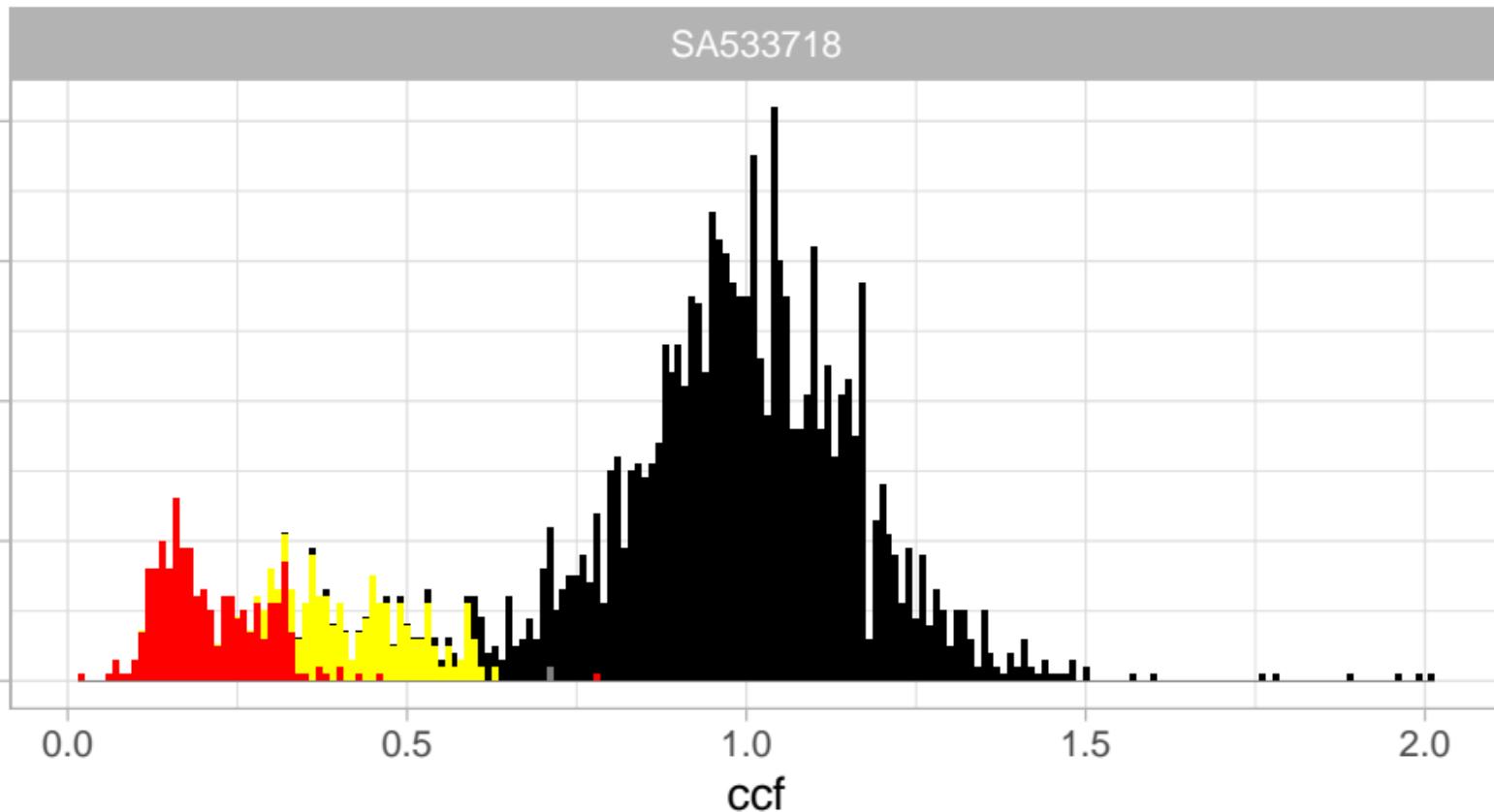
count

80
60
40
20
0

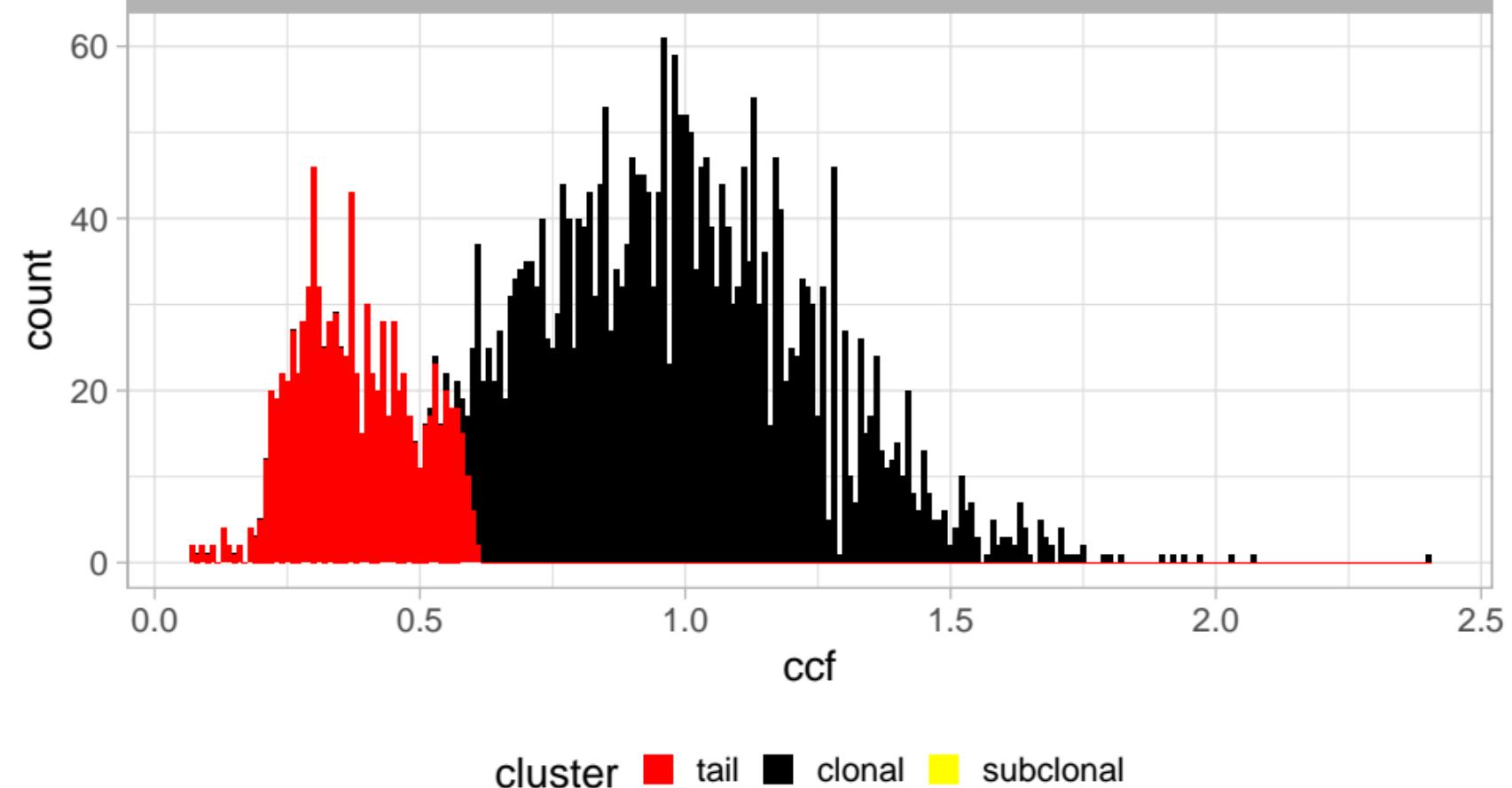
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA530614



SA515444

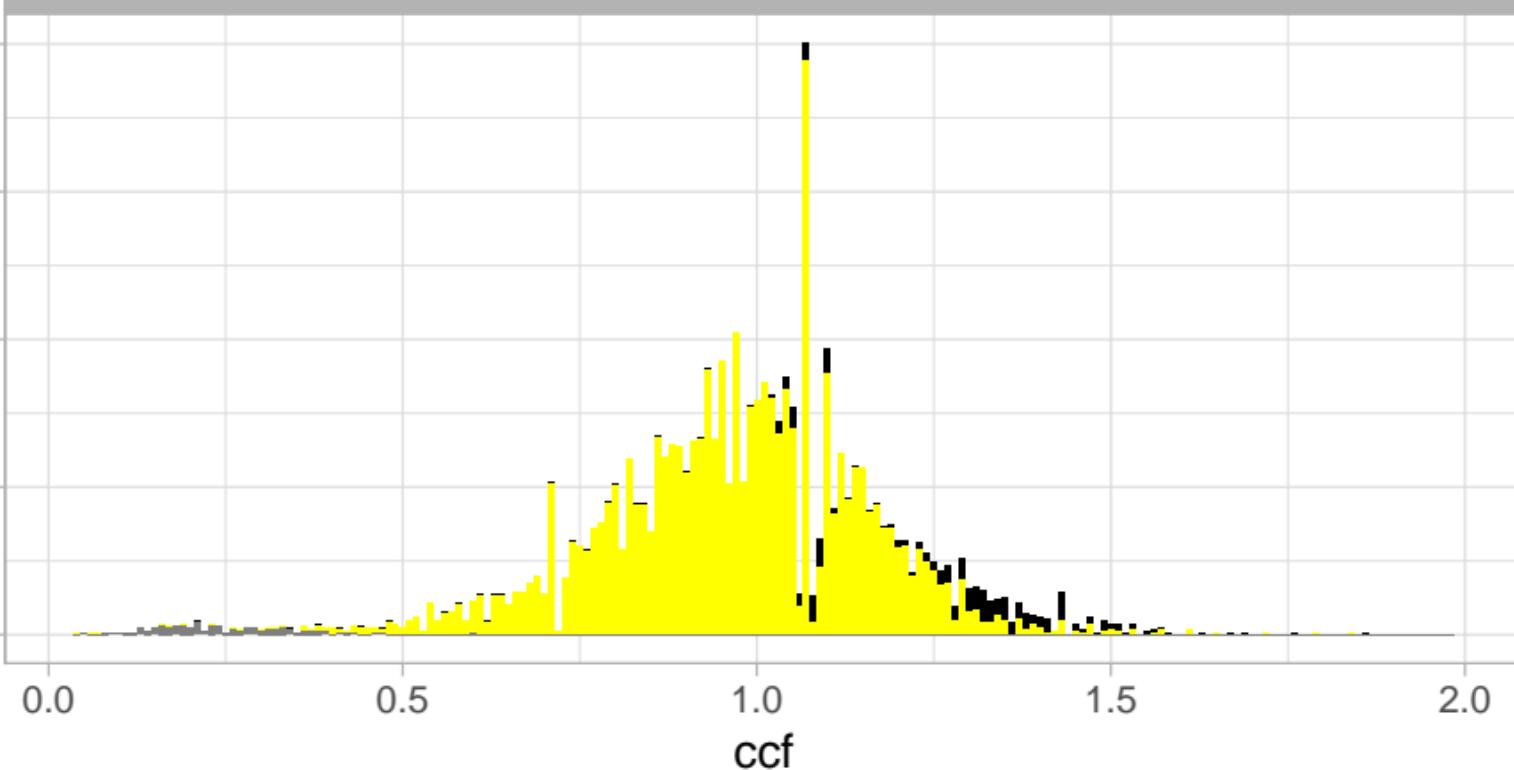
count

800
600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542215

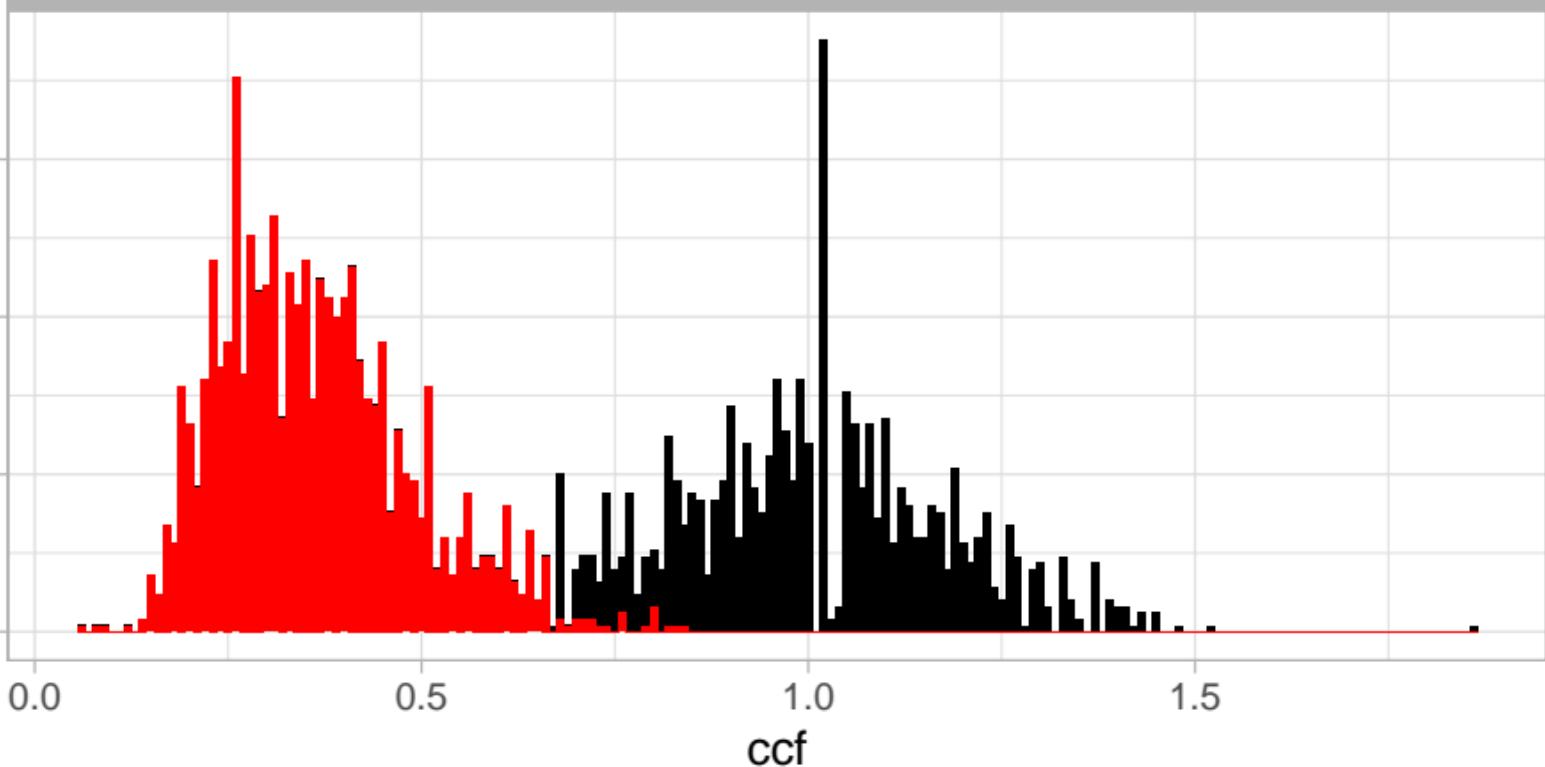
count

75
50
25
0

0.0 0.5 1.0 1.5

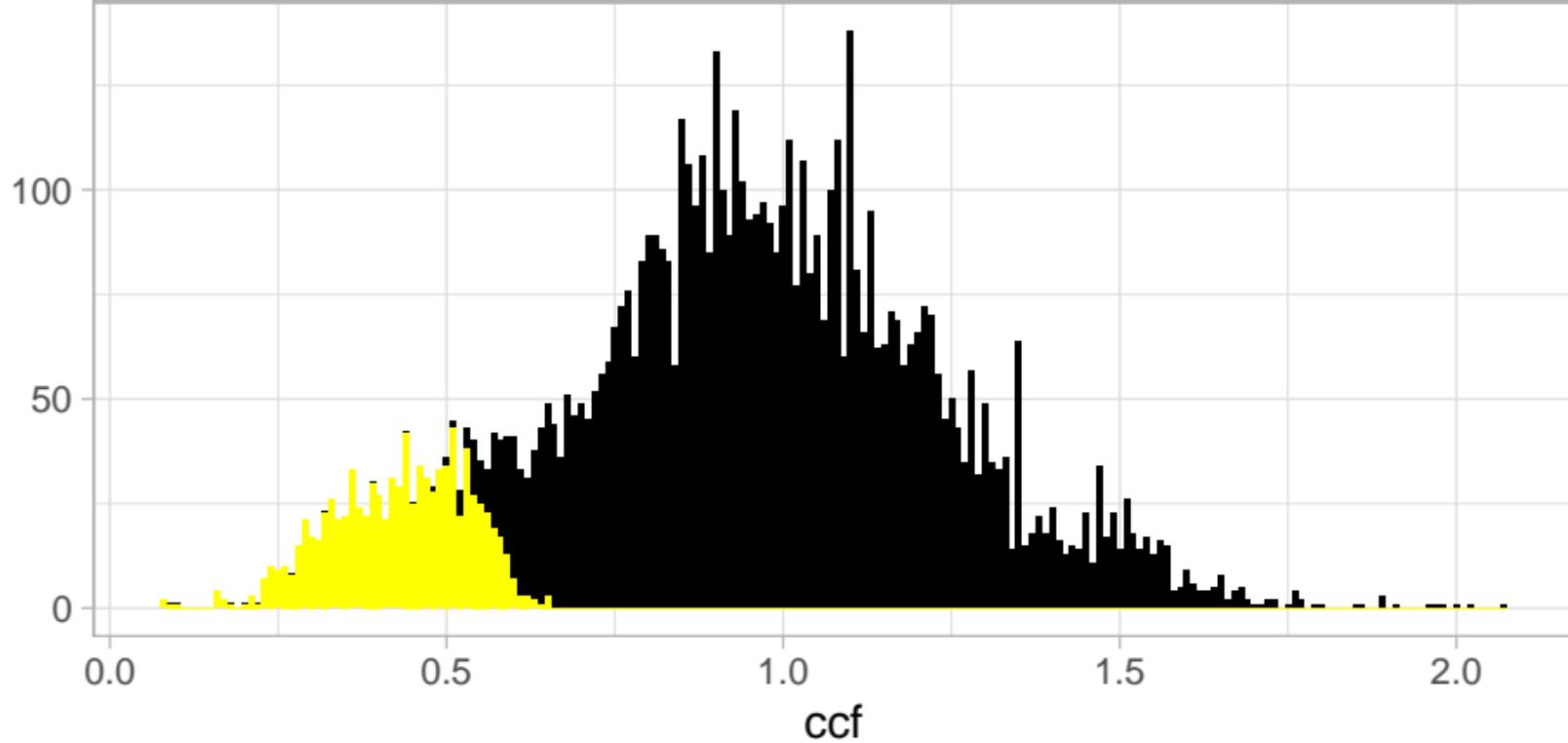
ccf

cluster tail clonal subclonal



SA520169

count



cluster ■ tail ■ clonal ■ subclonal

SA557470

count

1500
1000
500
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530452

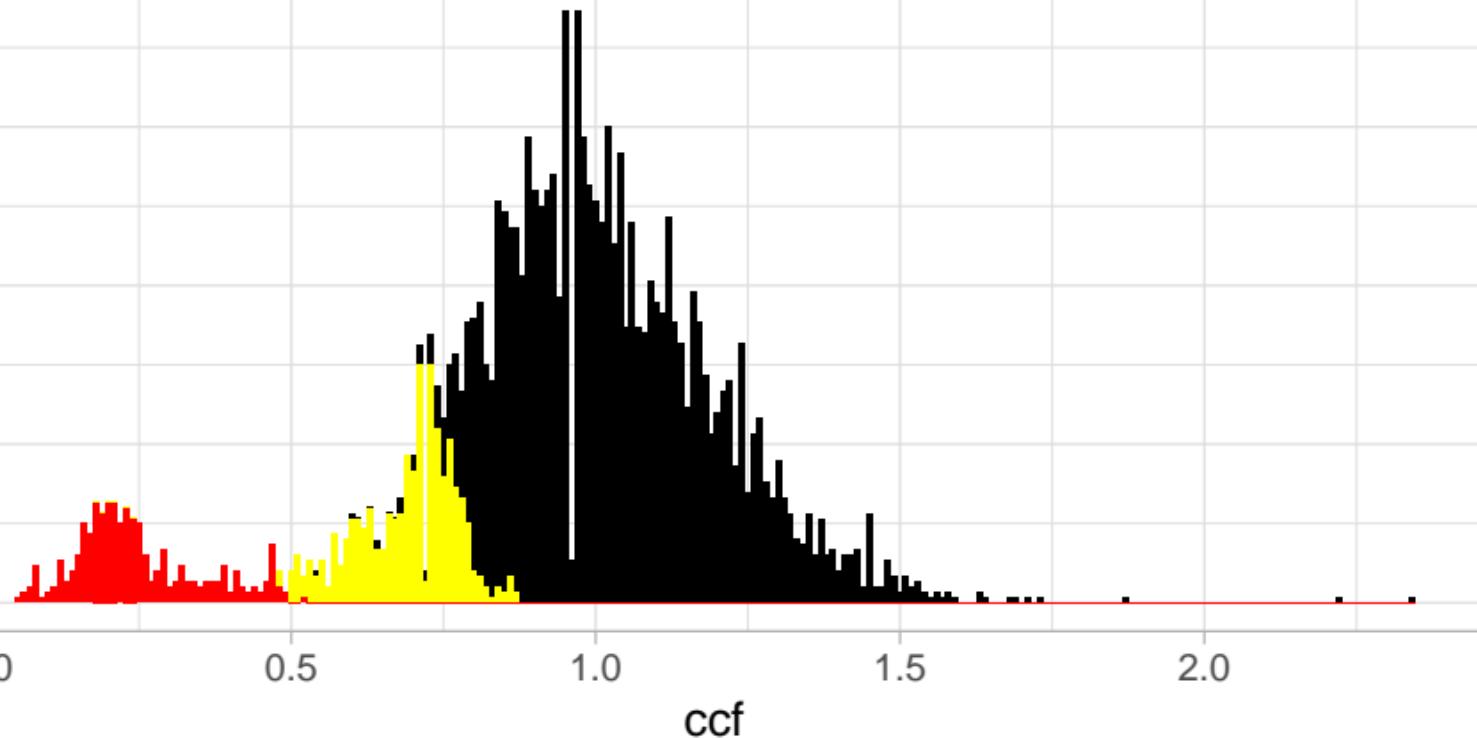
count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA501452

count

600

400

200

0

0.0

0.5

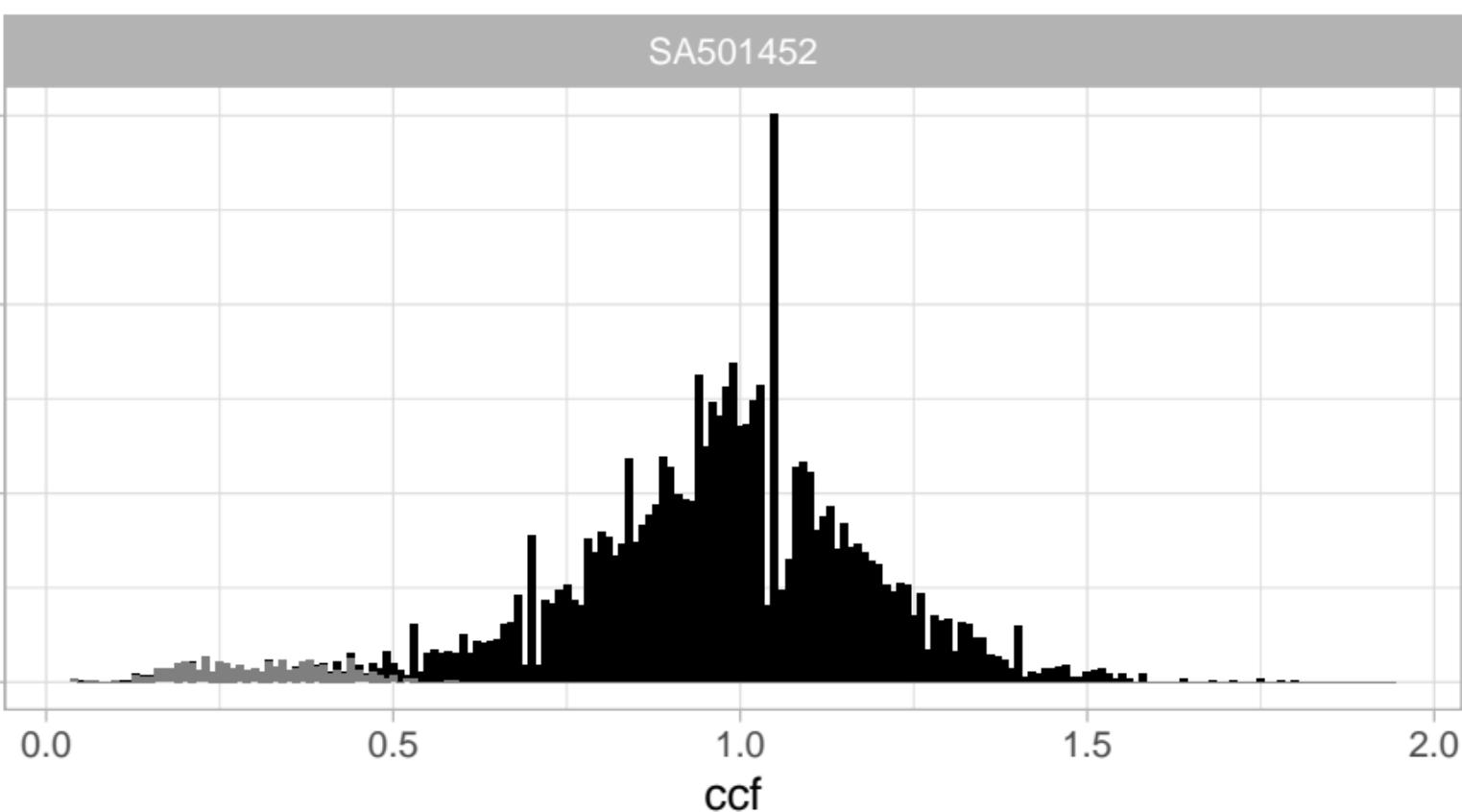
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA321030

count

90

60

30

0

0.0

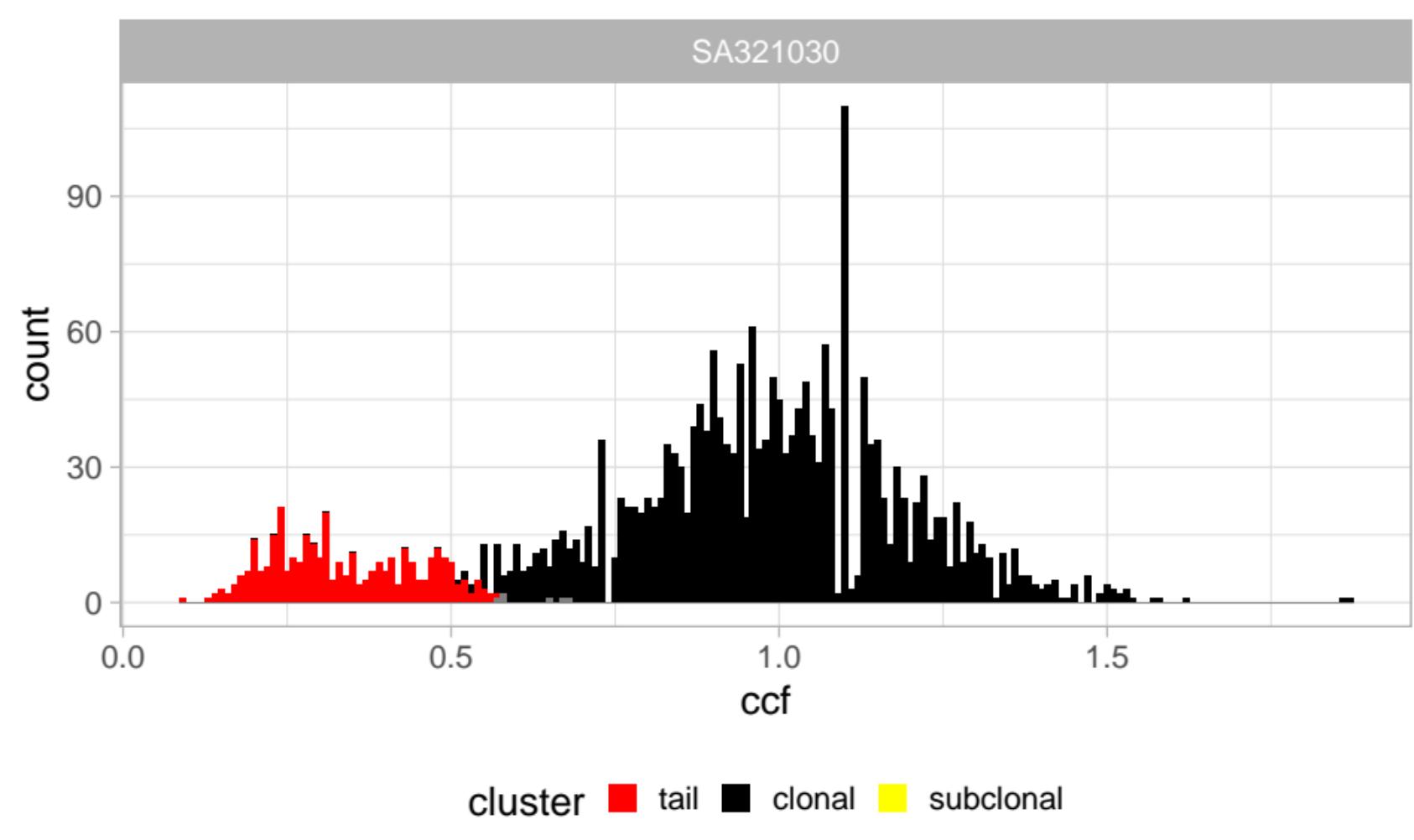
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA530648

count

60

40

20

0

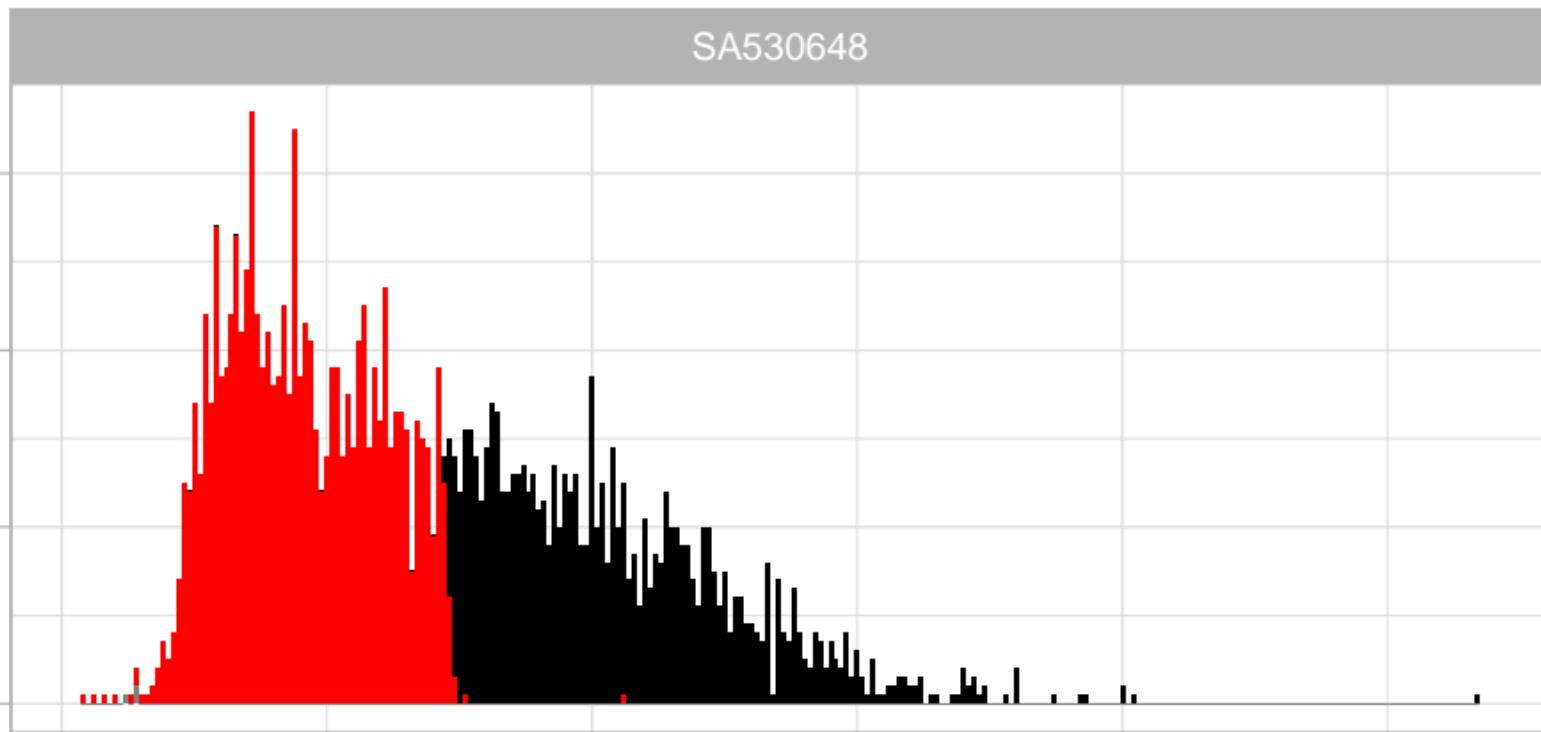
0

1

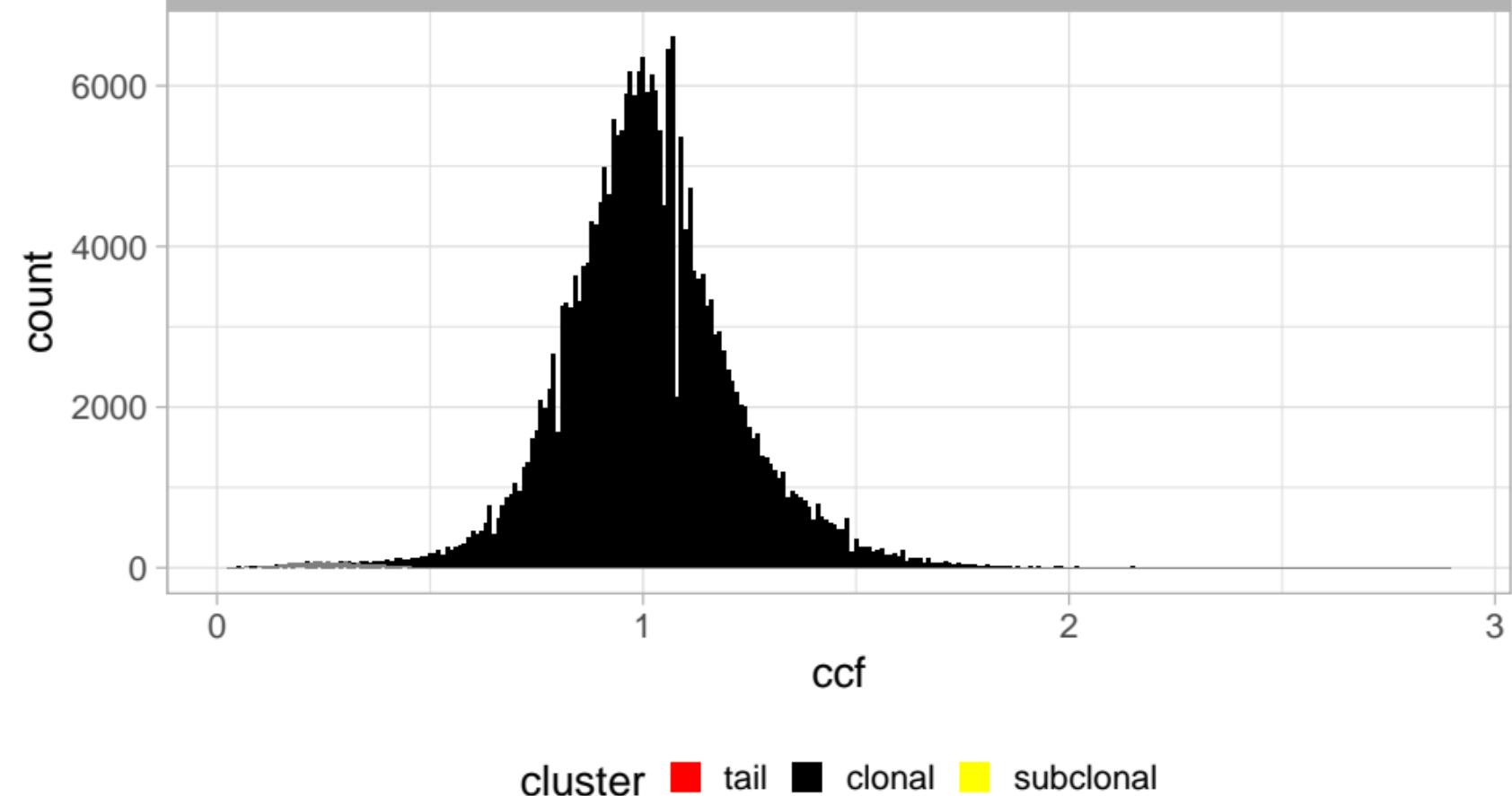
2

ccf

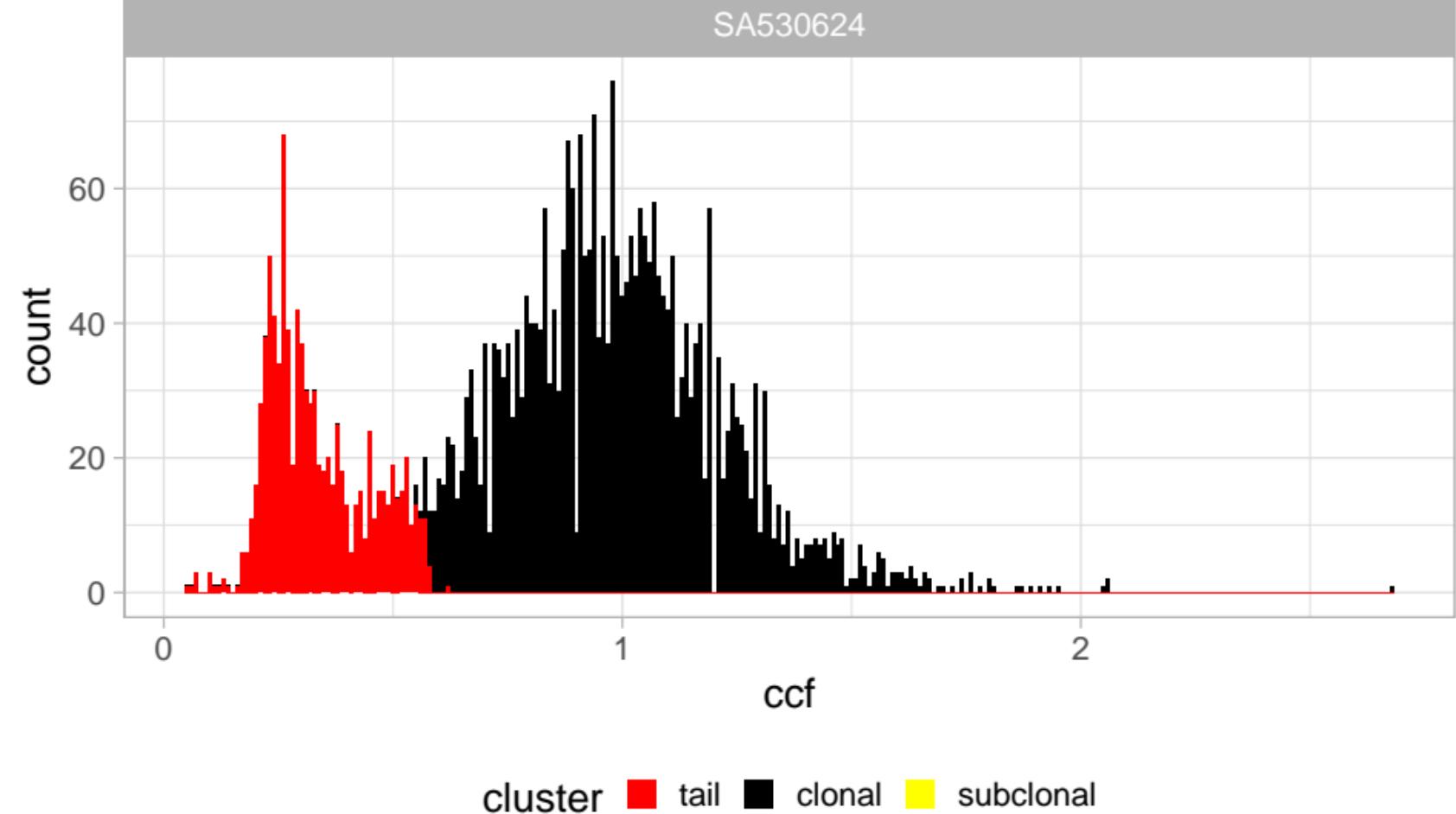
cluster ■ tail ■ clonal ■ subclonal



SA557483

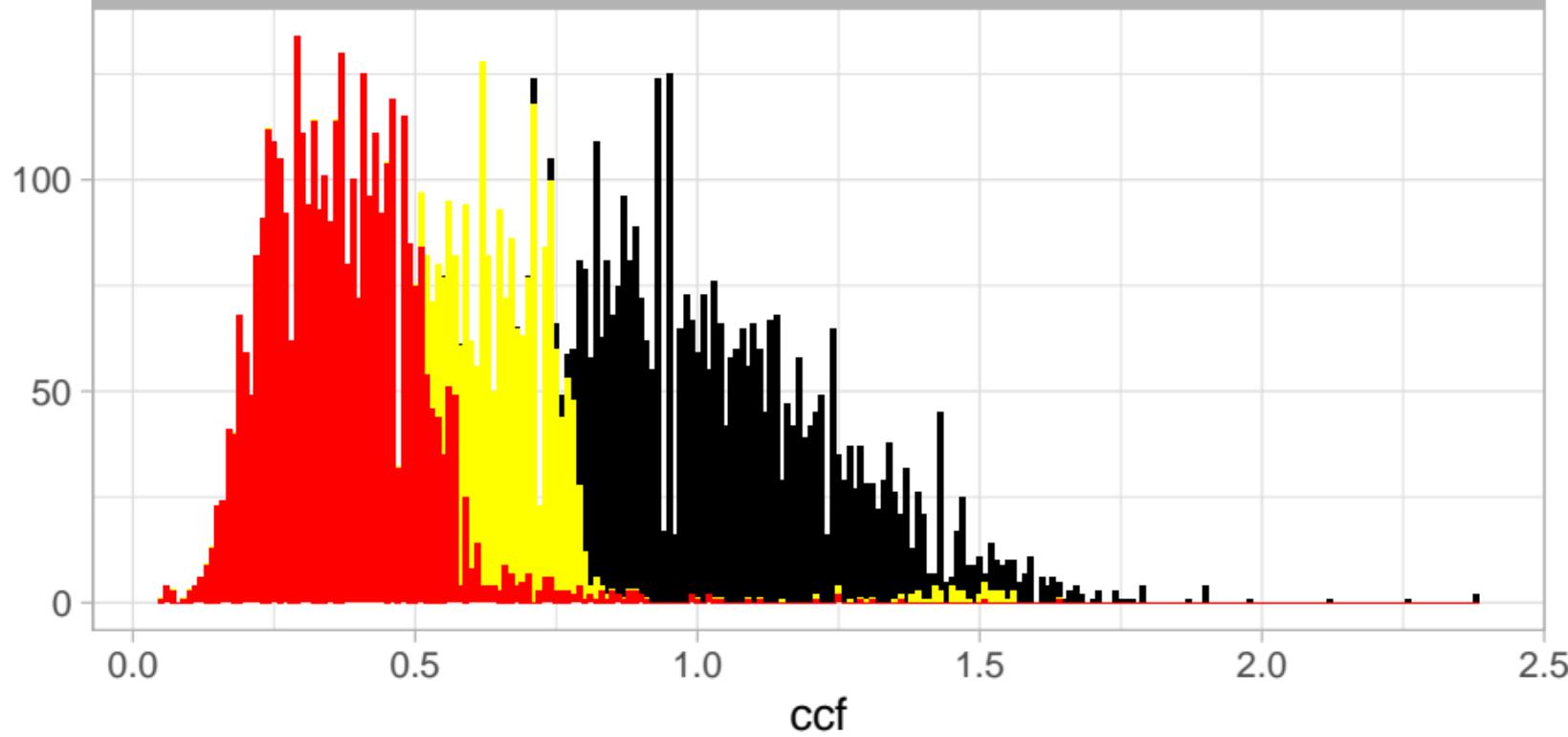


SA530624



SA515463

count



cluster ■ tail ■ clonal ■ subclonal

SA517266

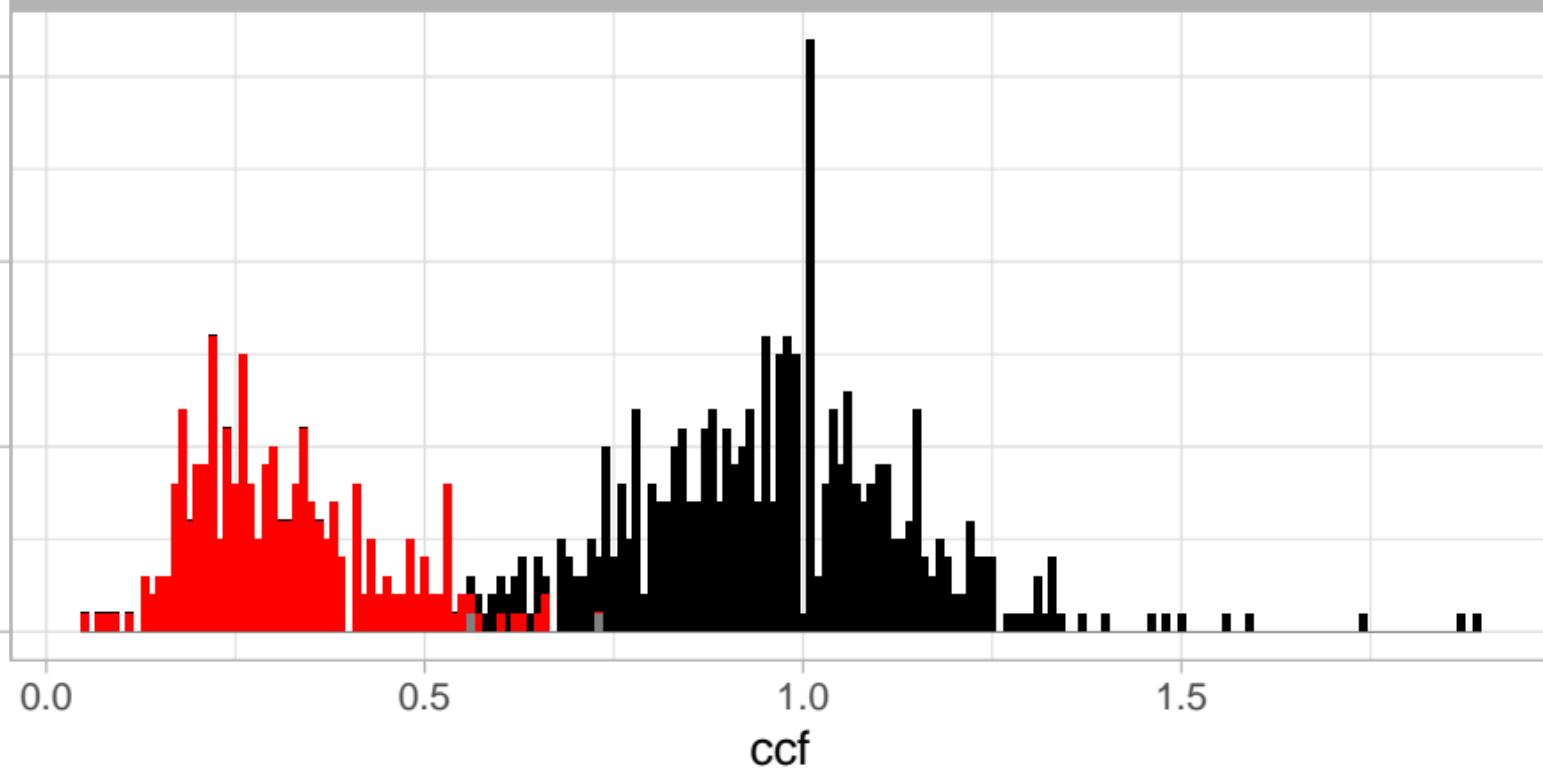
count

30
20
10
0

0.0 0.5 1.0 1.5

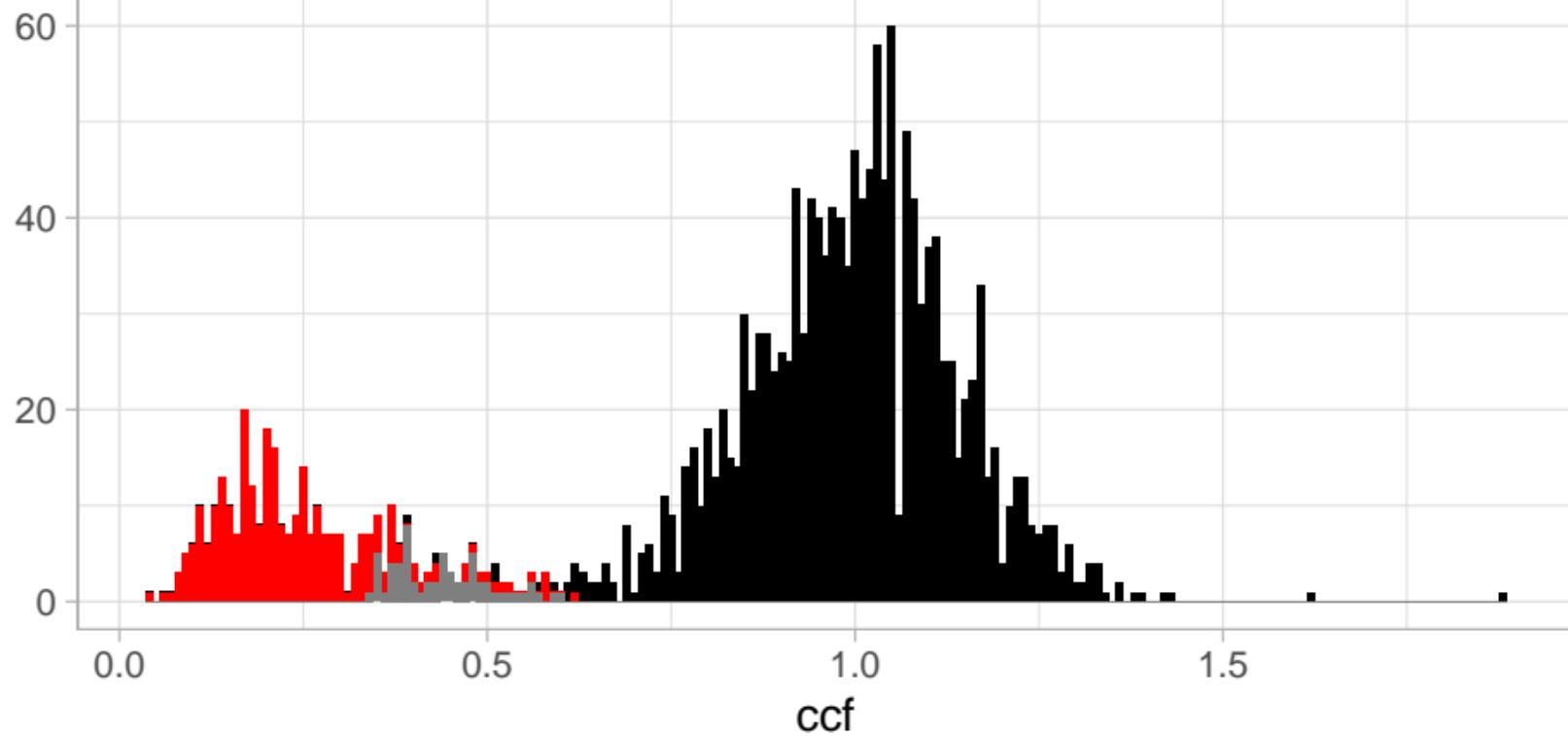
ccf

cluster tail clonal subclonal



SA570853

count



cluster ■ tail ■ clonal ■ subclonal

SA542177

count

60

40

20

0

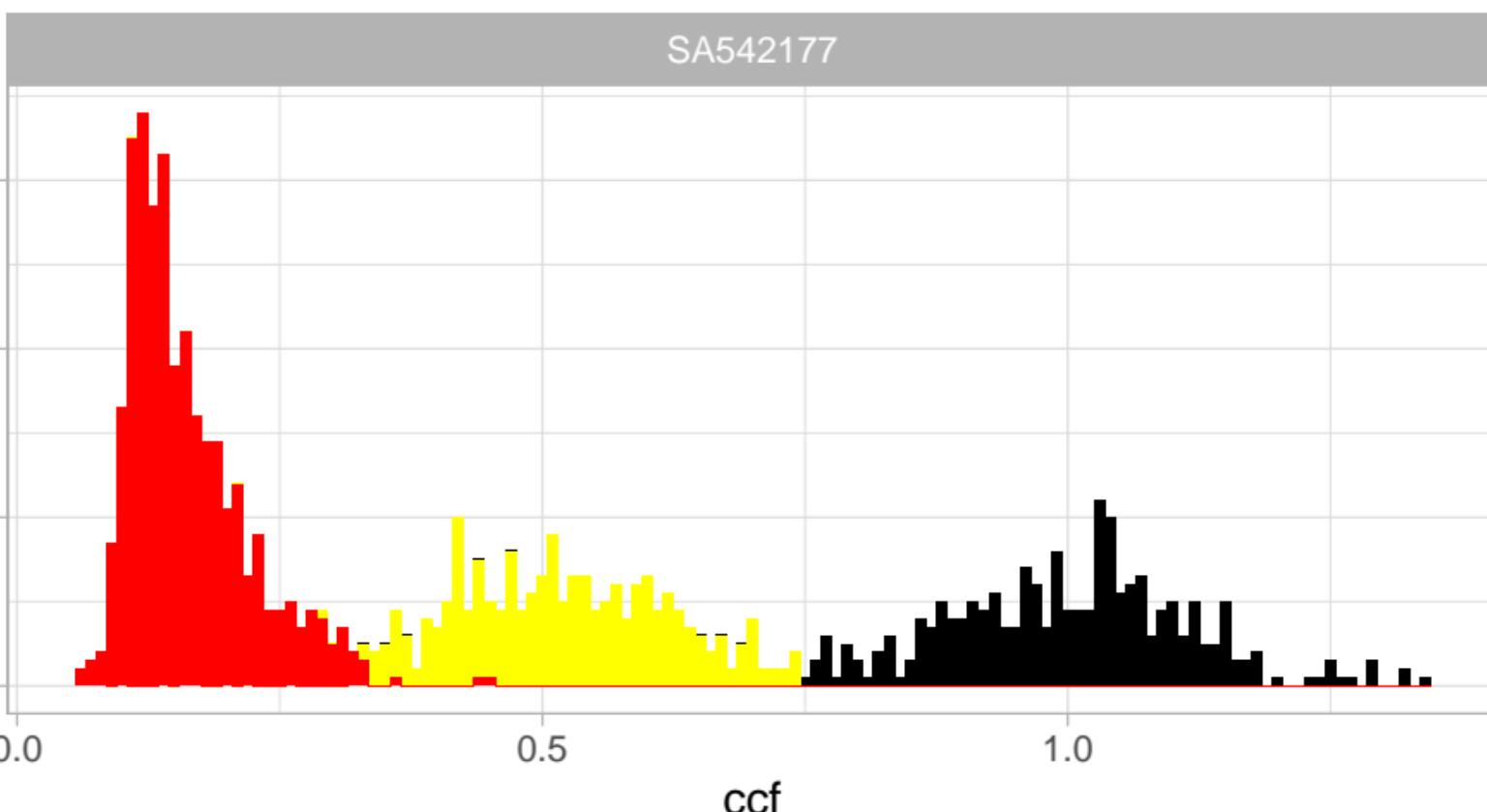
0.0

0.5

1.0

ccf

cluster tail clonal subclonal



SA515472

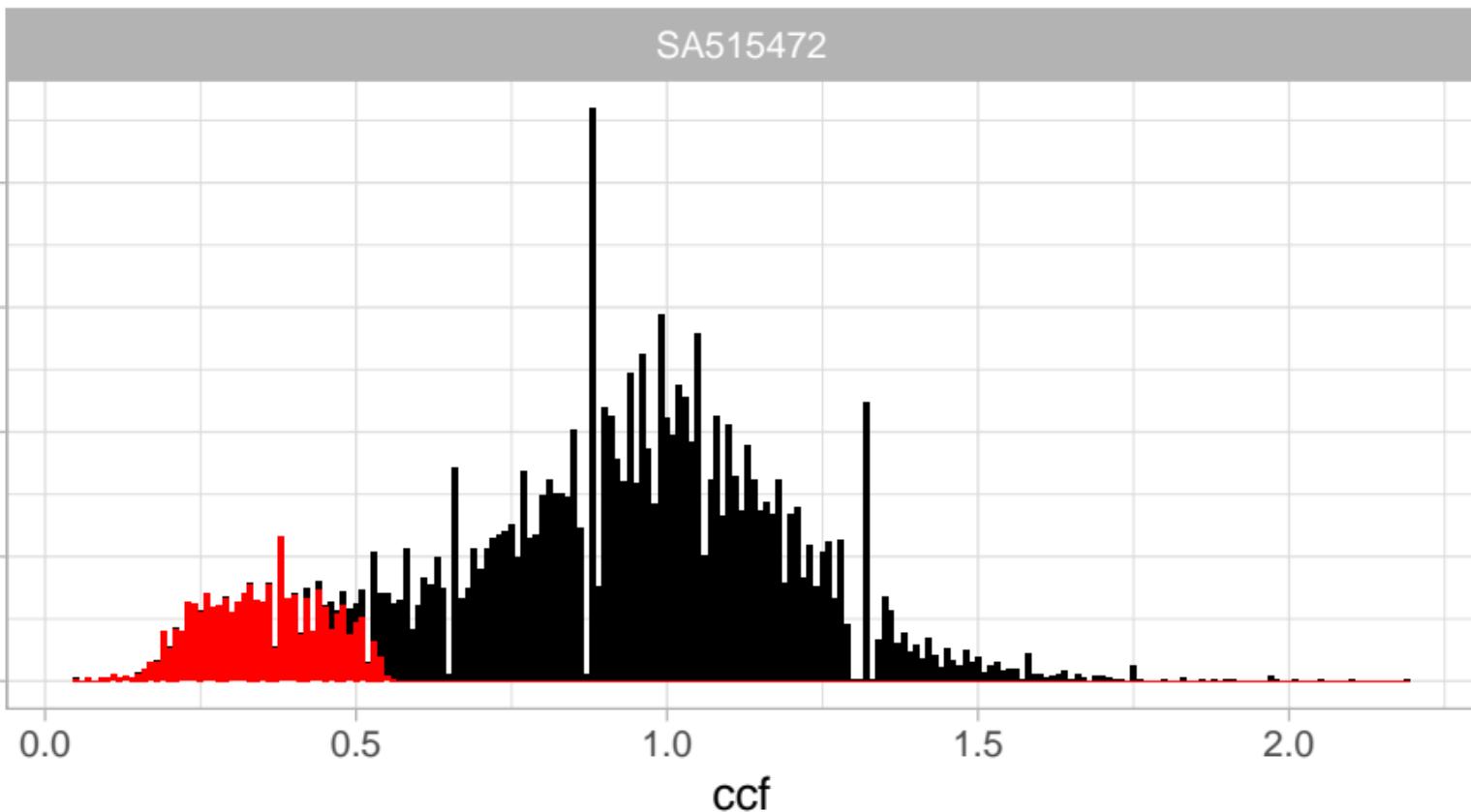
count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA533741

count

200

150

100

50

0

0

1

2

3

4

5

ccf

cluster ■ tail ■ clonal ■ subclonal

SA507191

count

200

150

100

50

0

0

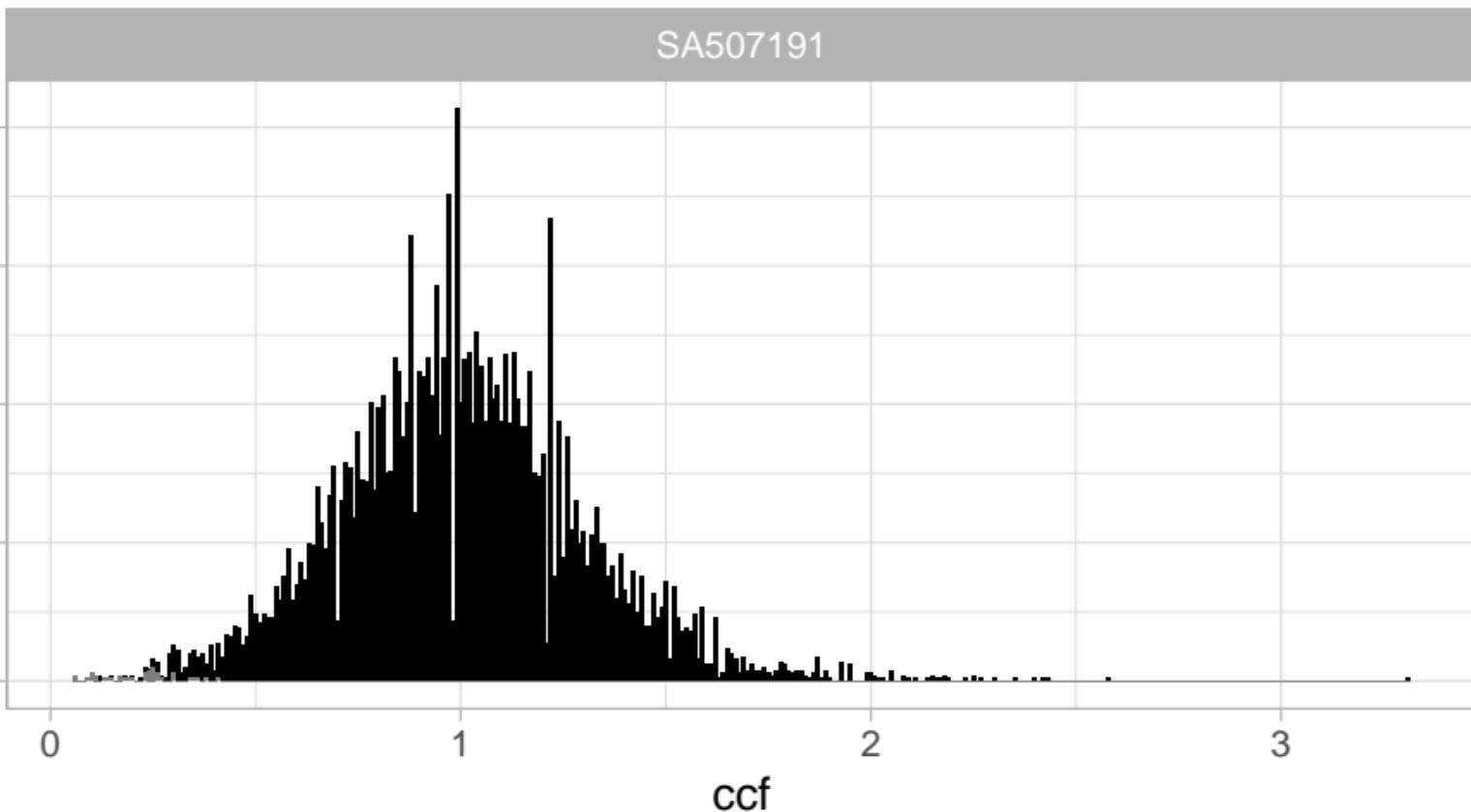
1

2

3

ccf

cluster tail clonal subclonal



SA413512

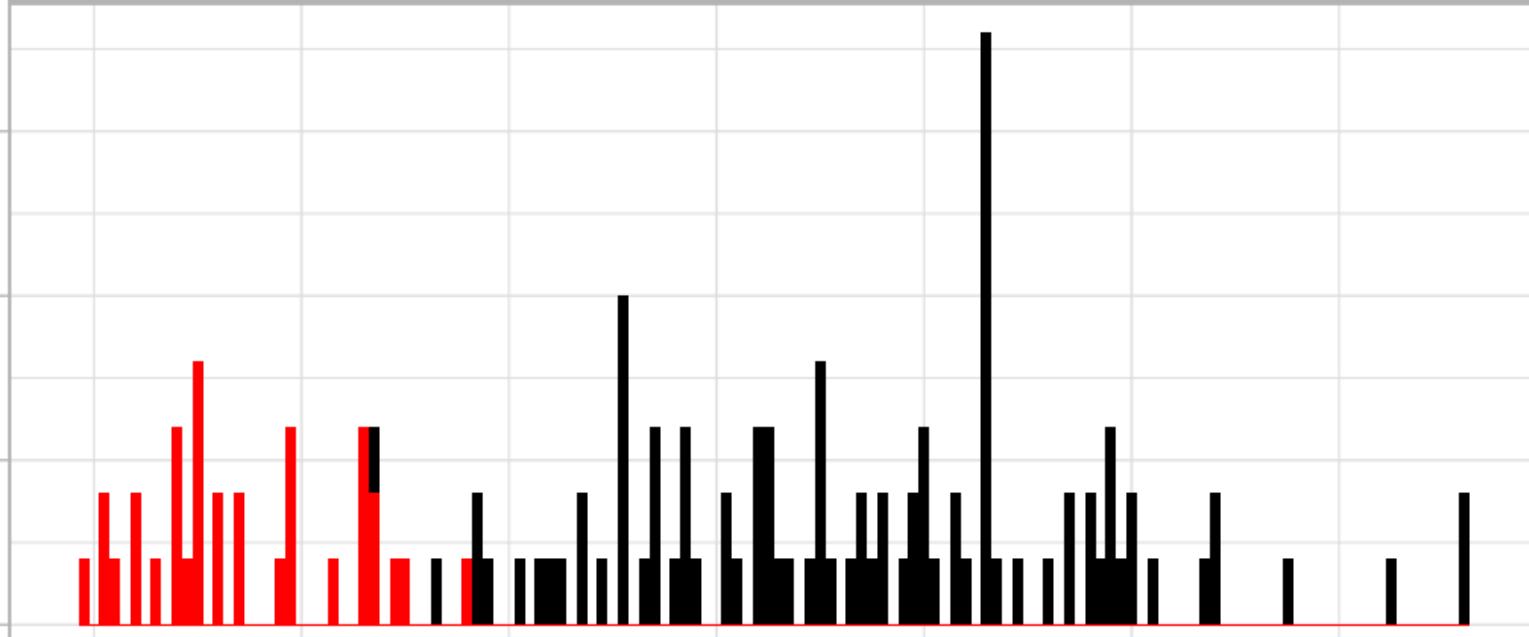
count

7.5
5.0
2.5
0.0

0.4 0.8 1.2

ccf

cluster tail clonal subclonal



SA515479

count

300
200
100
0

0.0

0.5

1.0

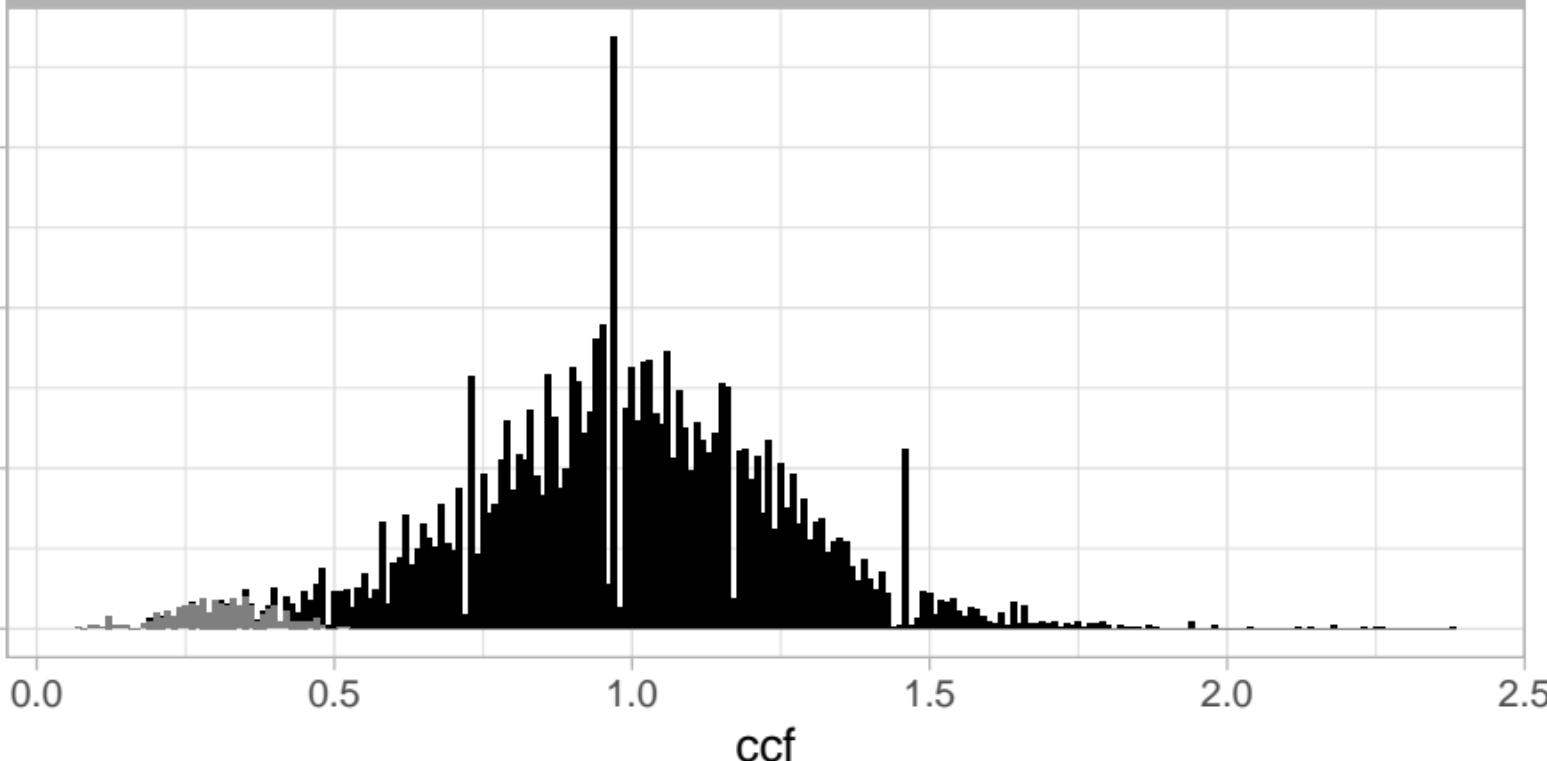
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA530475

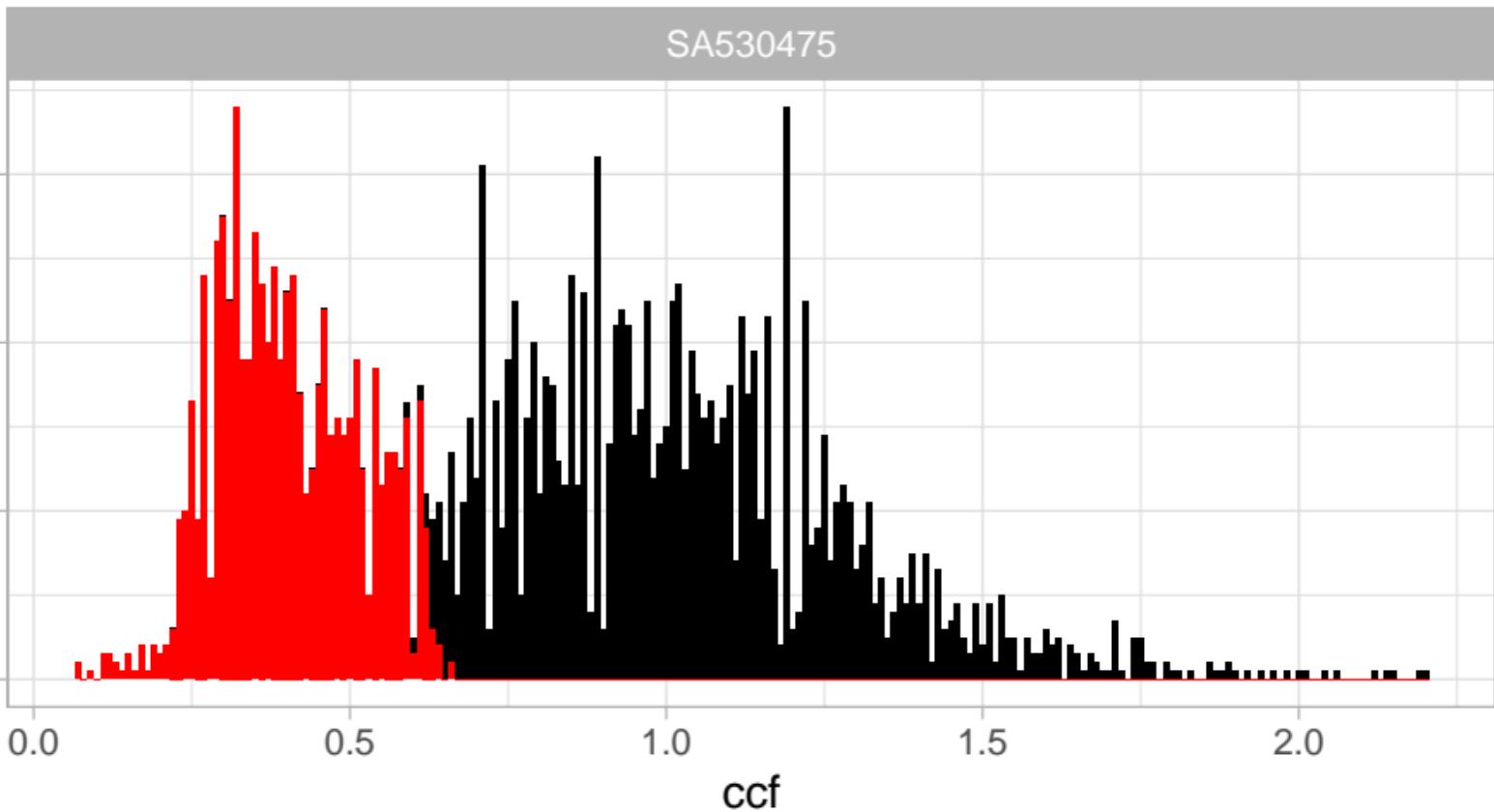
count

60
40
20
0

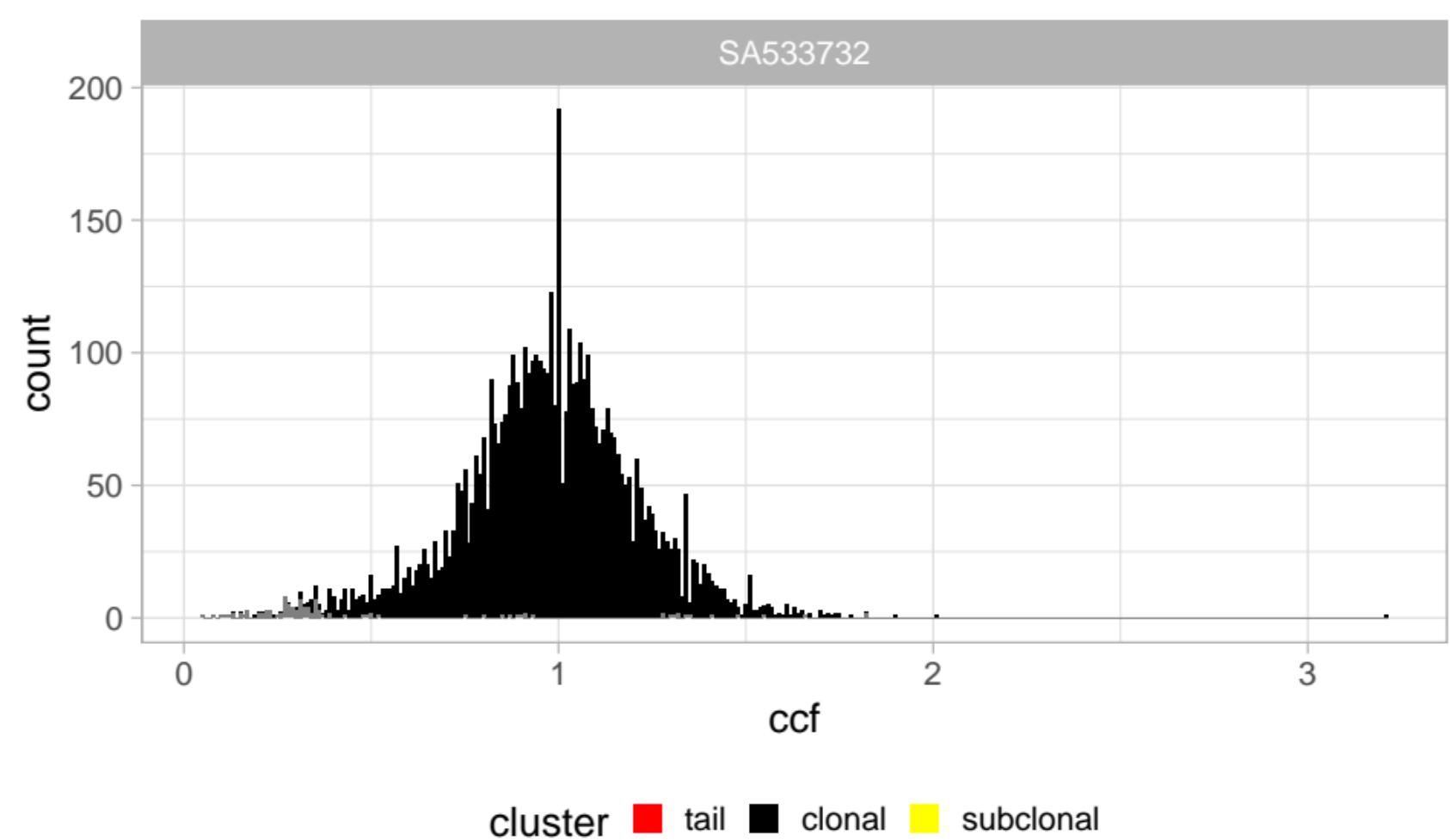
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA533732



SA410978

count

80
60
40
20
0

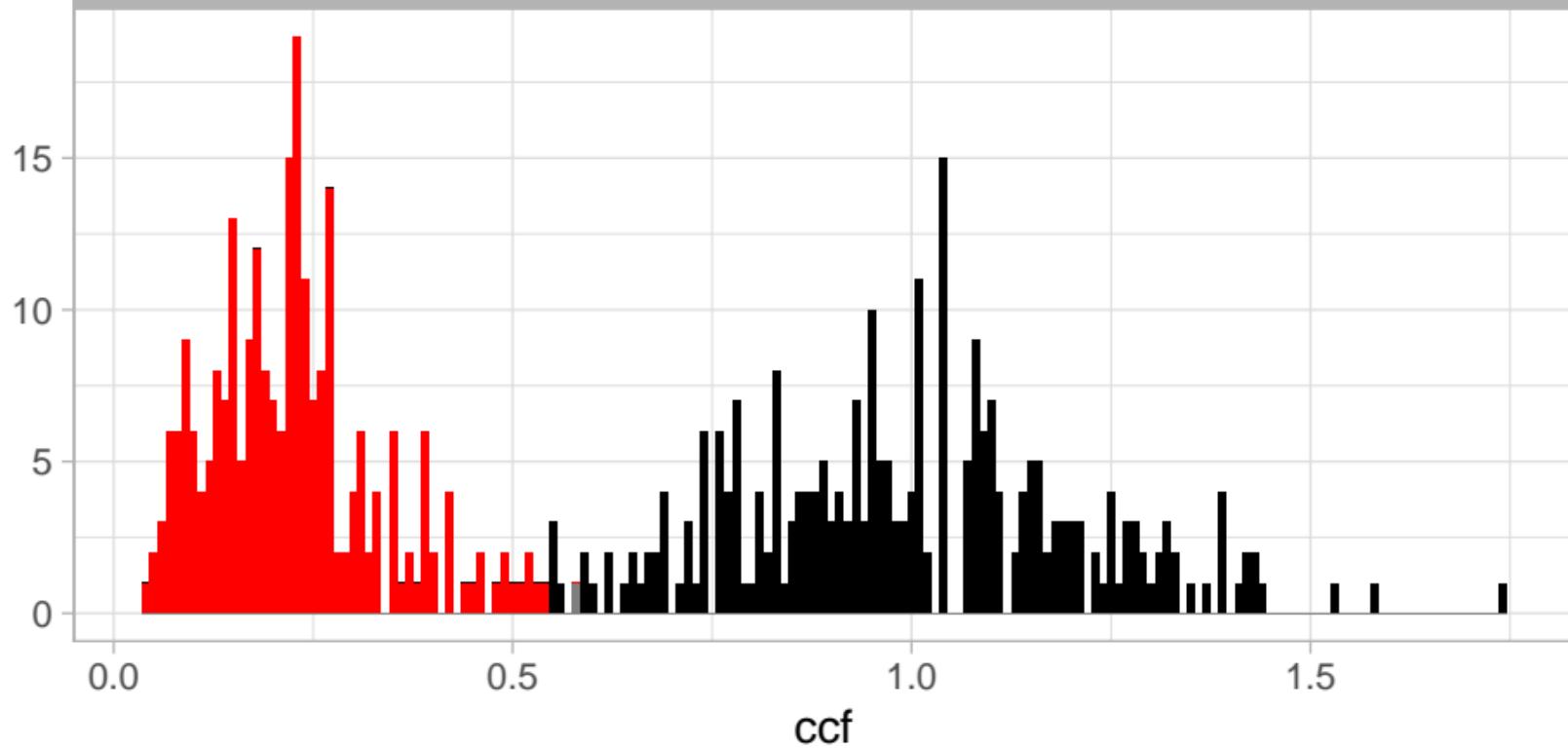
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA520425

count



cluster ■ tail ■ clonal ■ subclonal

SA528872

count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA541772

count

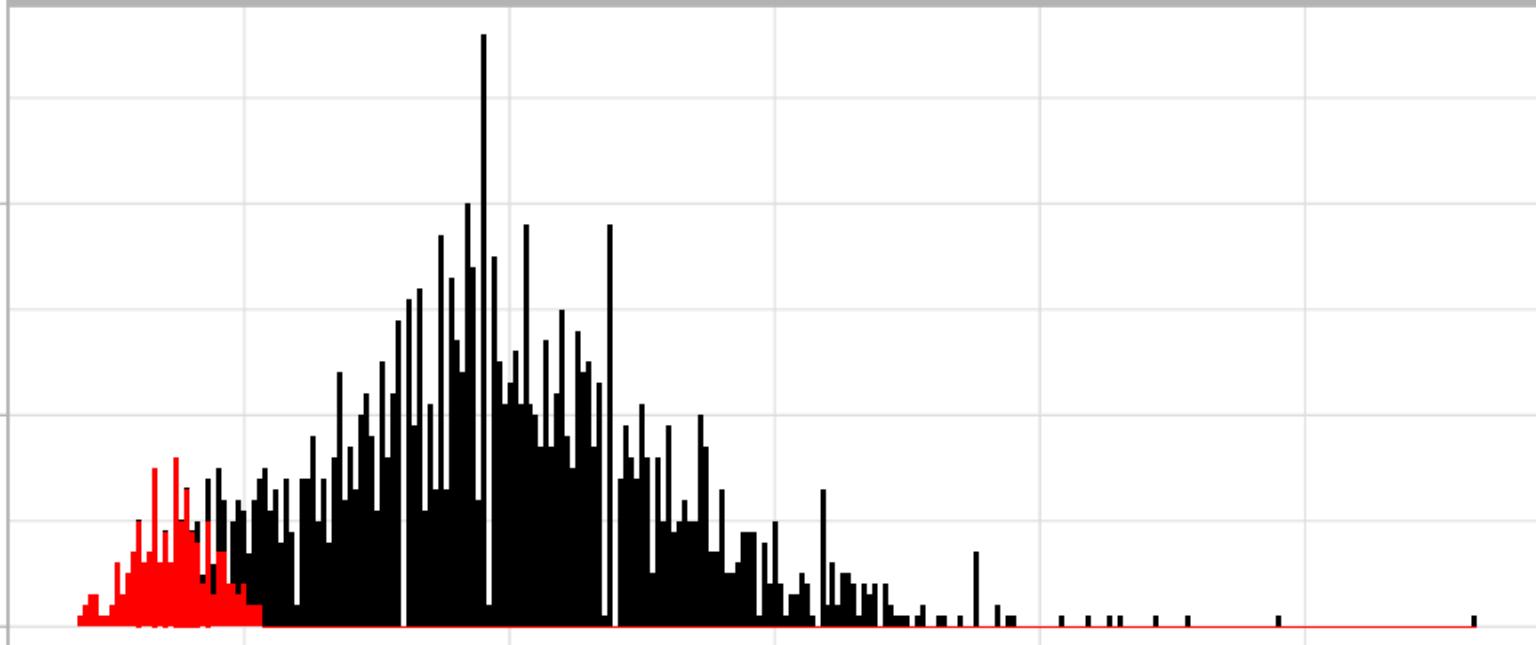
40
20
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA570925

count

40
30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA412767

count

60
40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA507164

count

100
50
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA507348

count

150

100

50

0

0.0

0.5

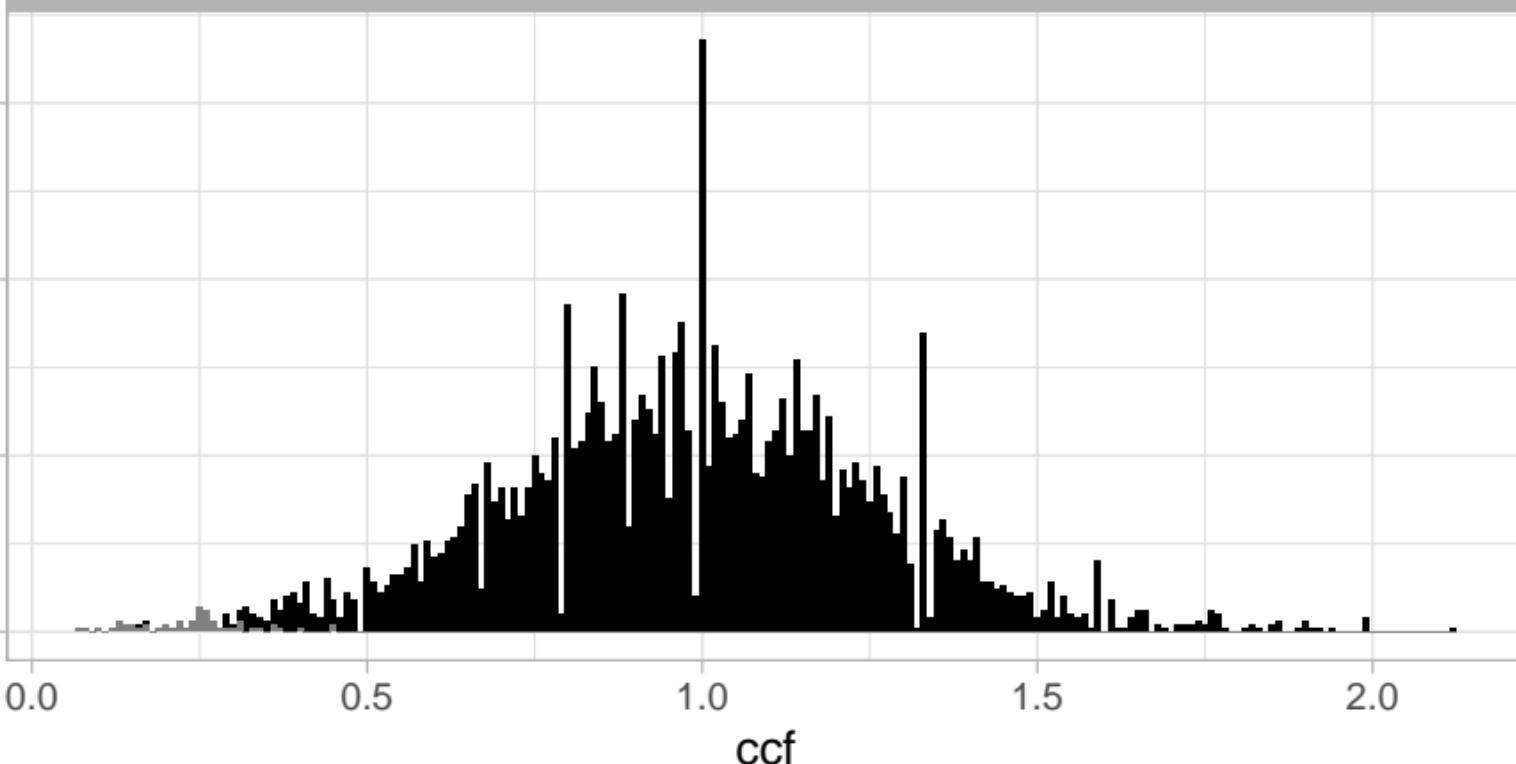
1.0

1.5

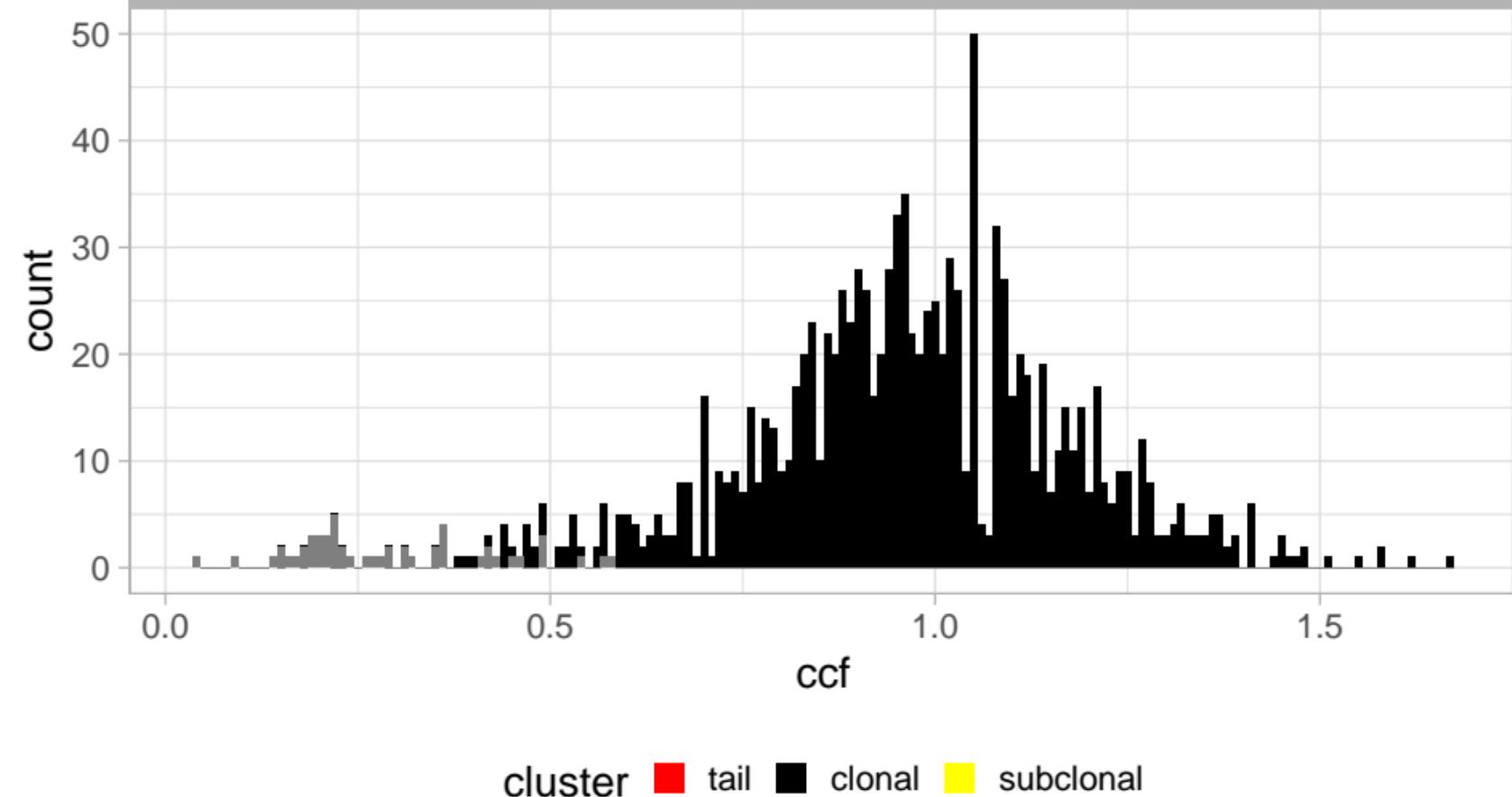
2.0

ccf

cluster tail clonal subclonal

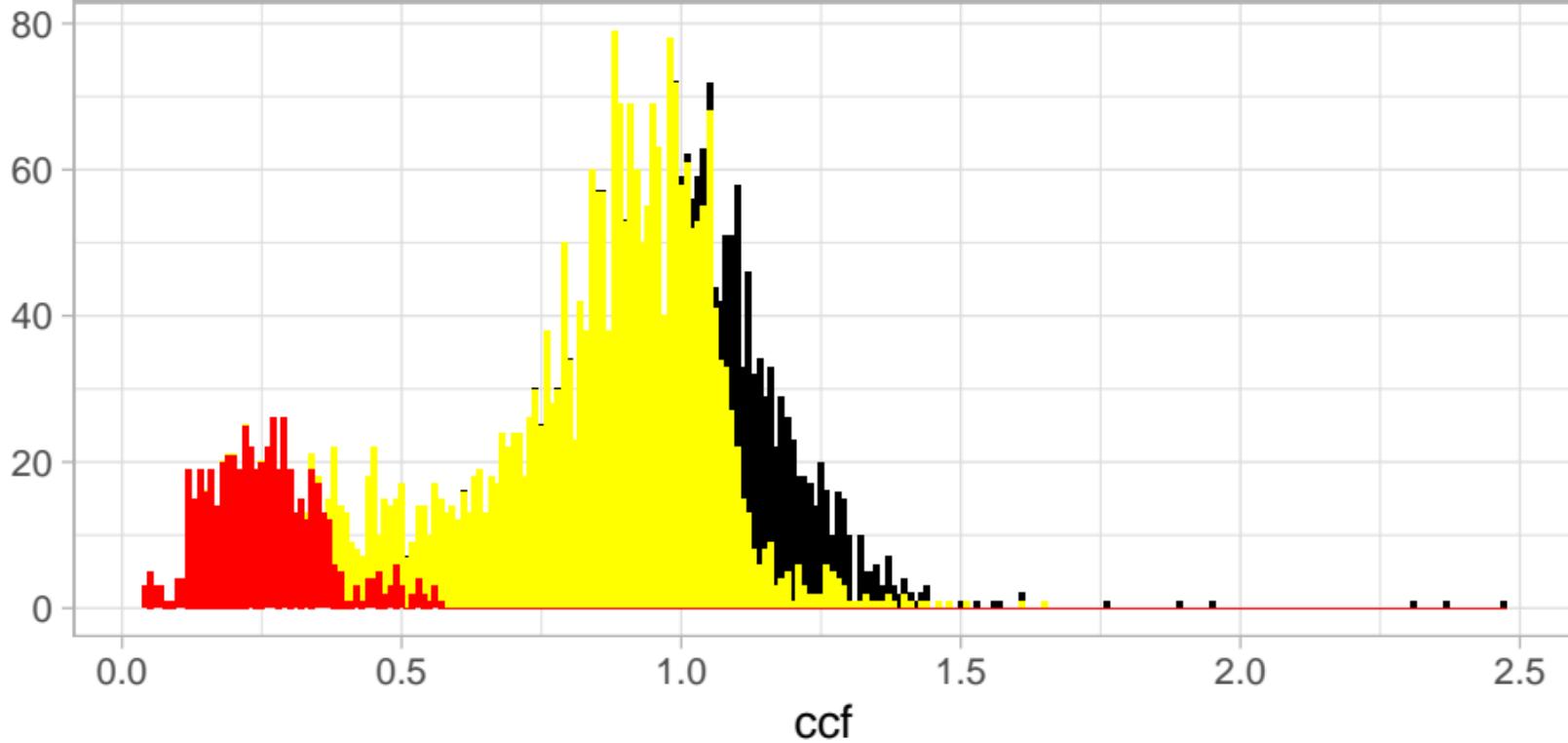


SA517269



SA557404

count



cluster ■ tail ■ clonal ■ subclonal

SA530583

count

60

40

20

0

0.0

0.5

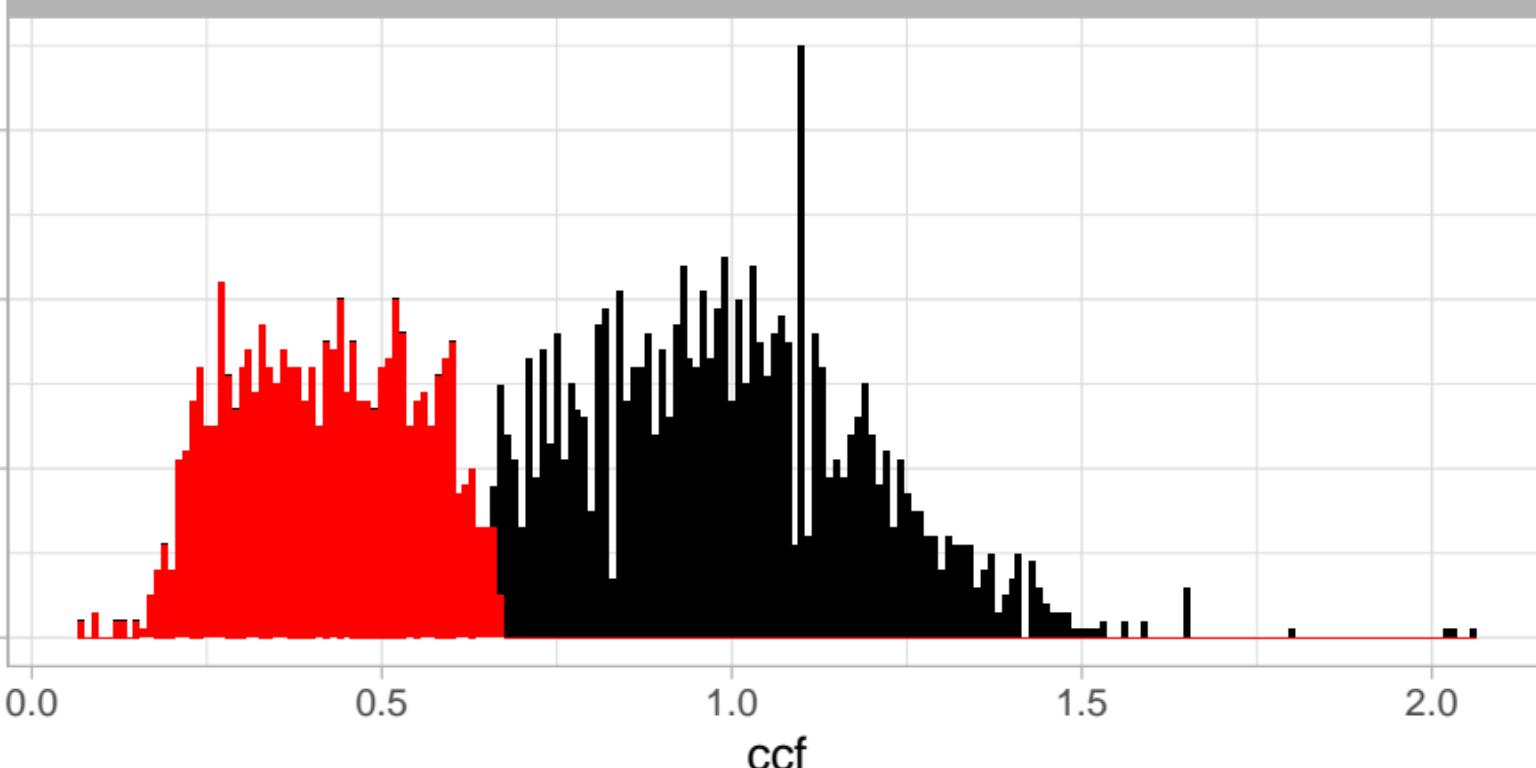
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA557322

count

150

100

50

0

0.0

0.5

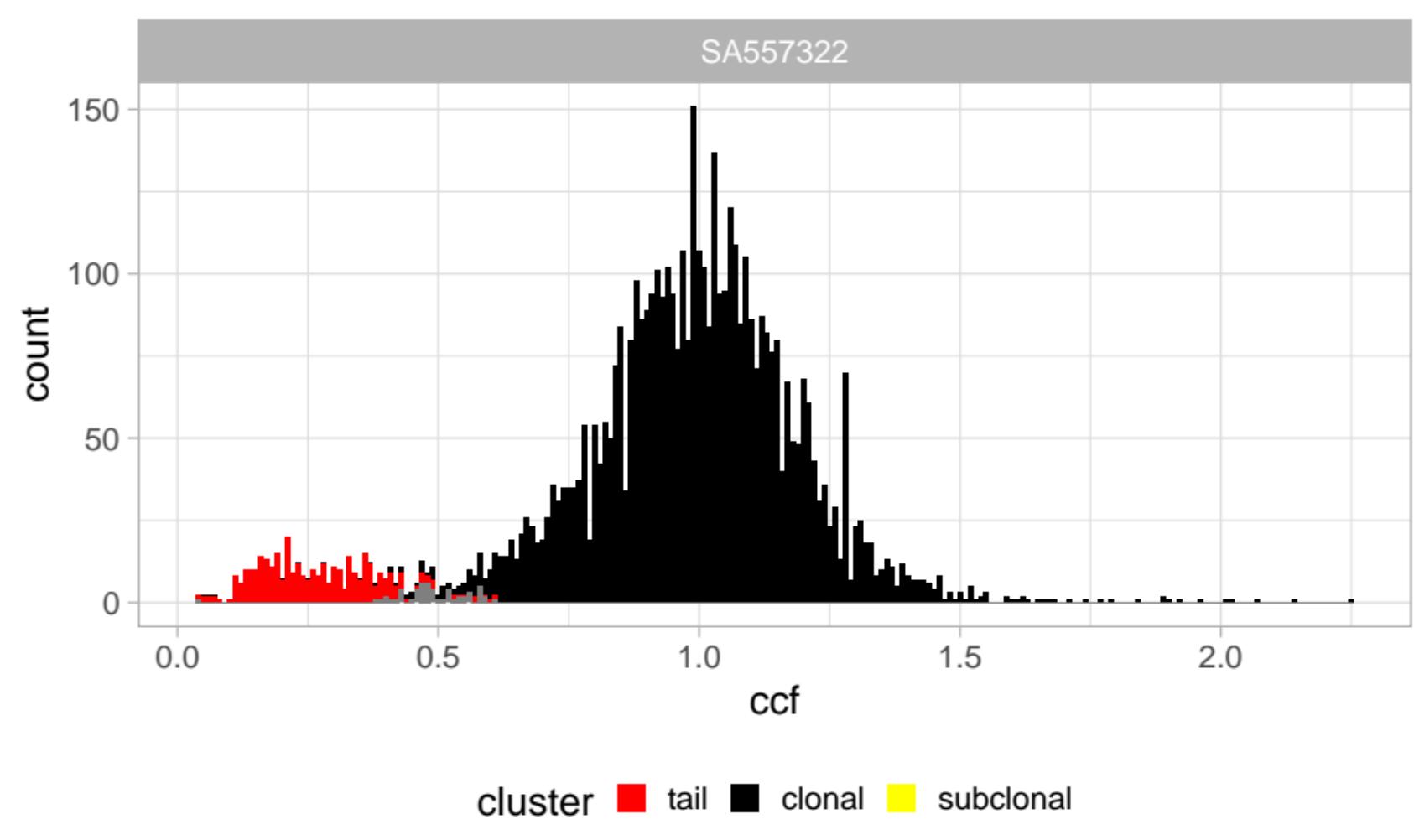
1.0

1.5

2.0

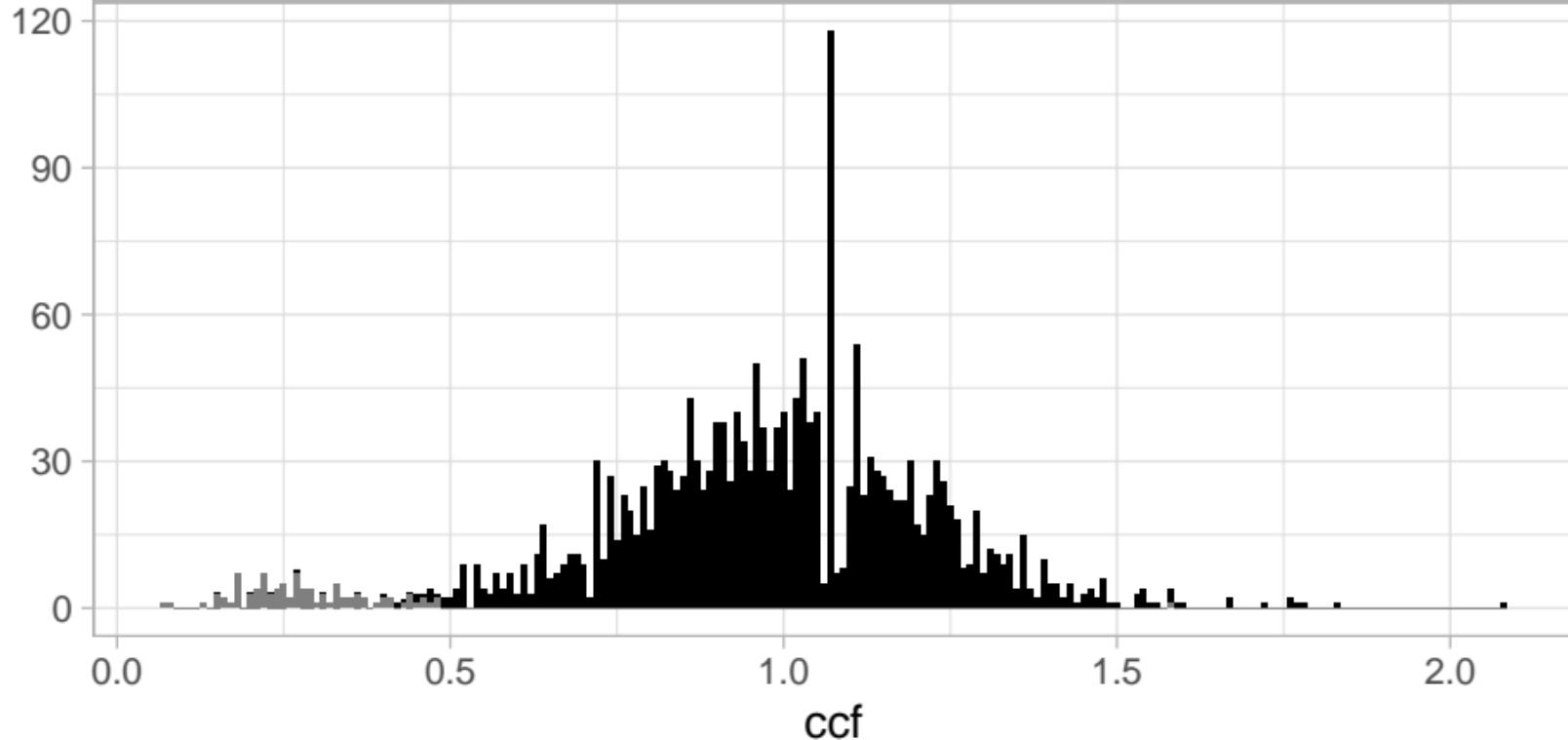
ccf

cluster tail clonal subclonal



SA517416

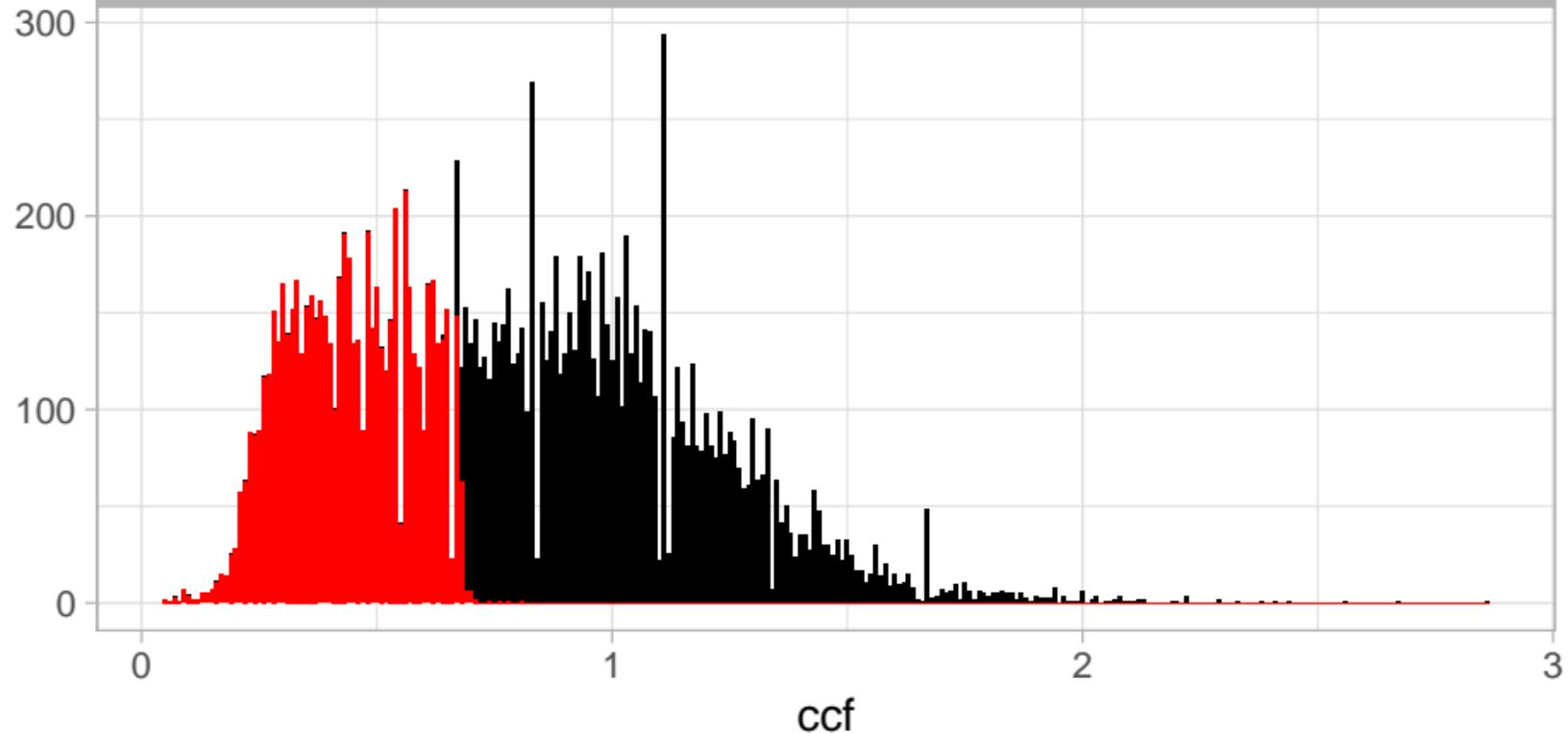
count



cluster tail clonal subclonal

SA529718

count



cluster ■ tail ■ clonal ■ subclonal

SA528795

count

800
600
400
200
0

0

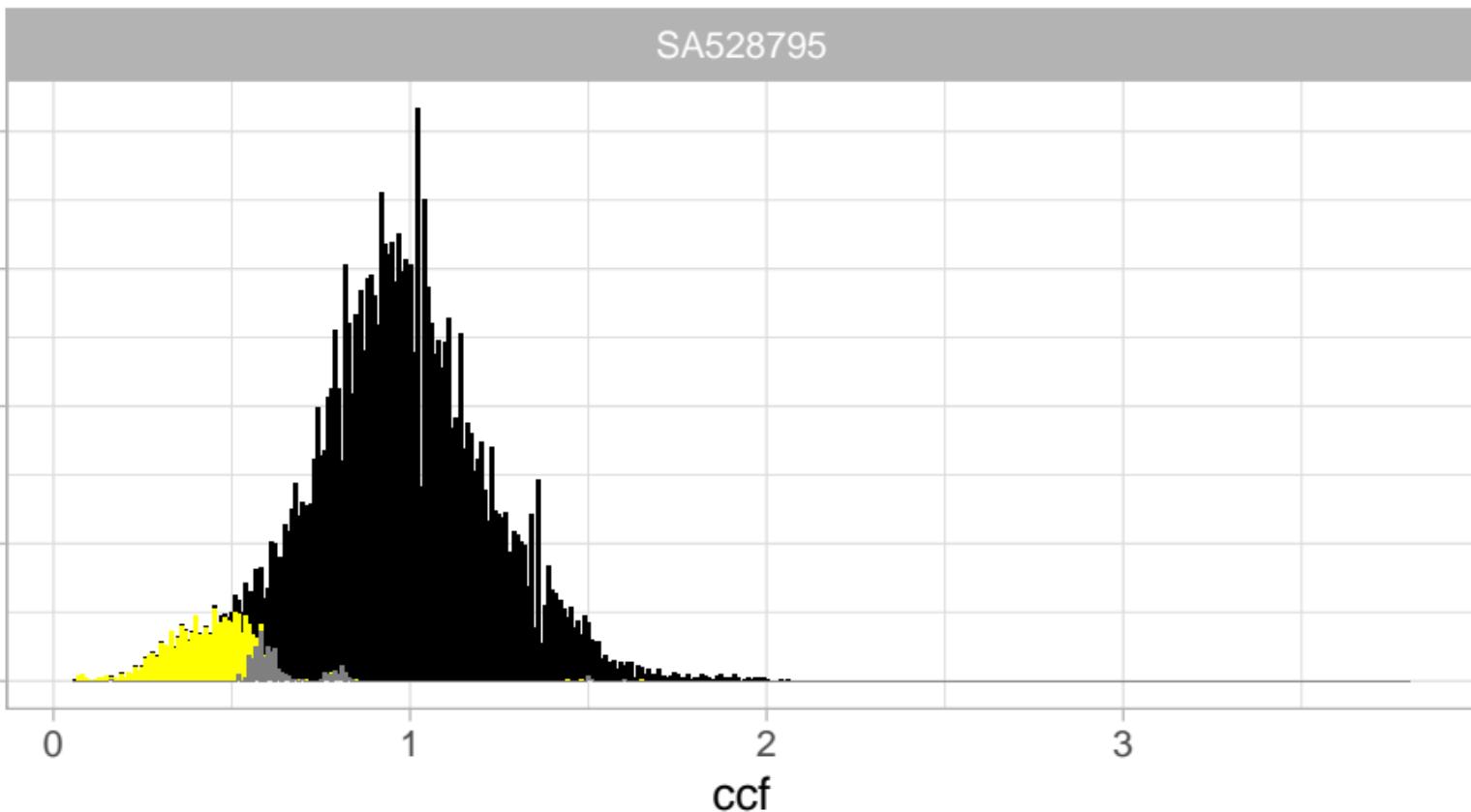
1

2

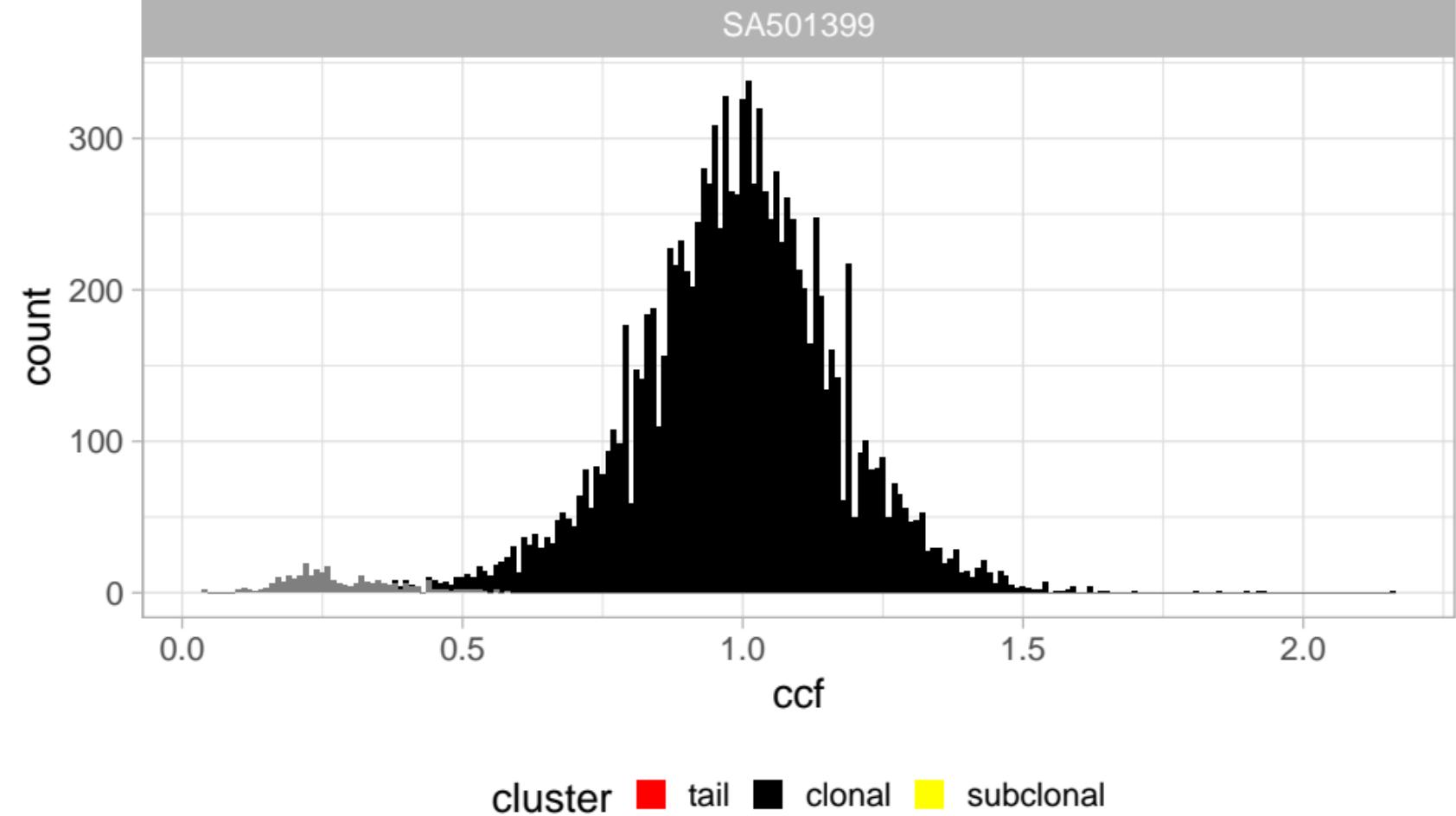
3

ccf

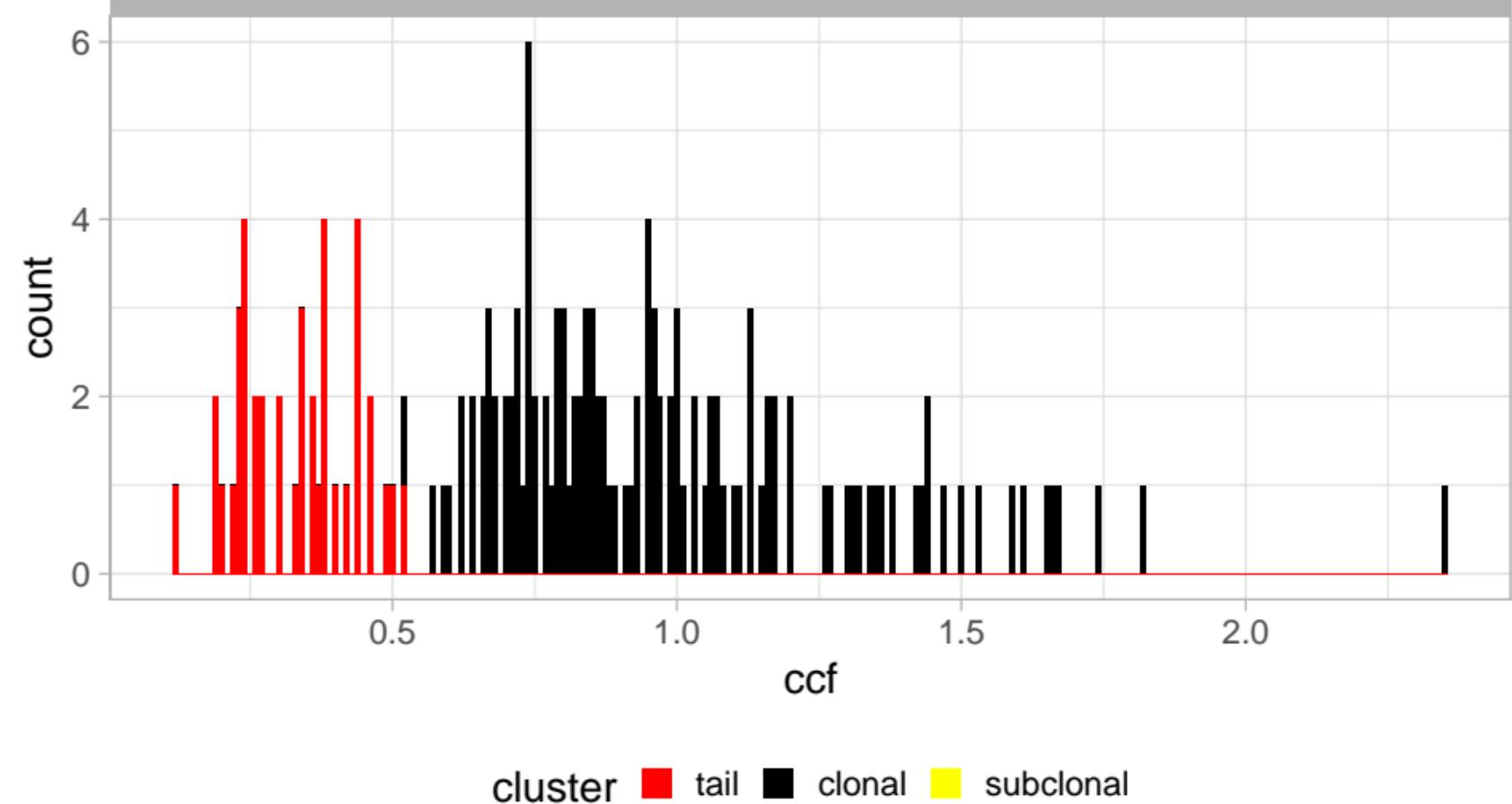
cluster ■ tail ■ clonal ■ subclonal



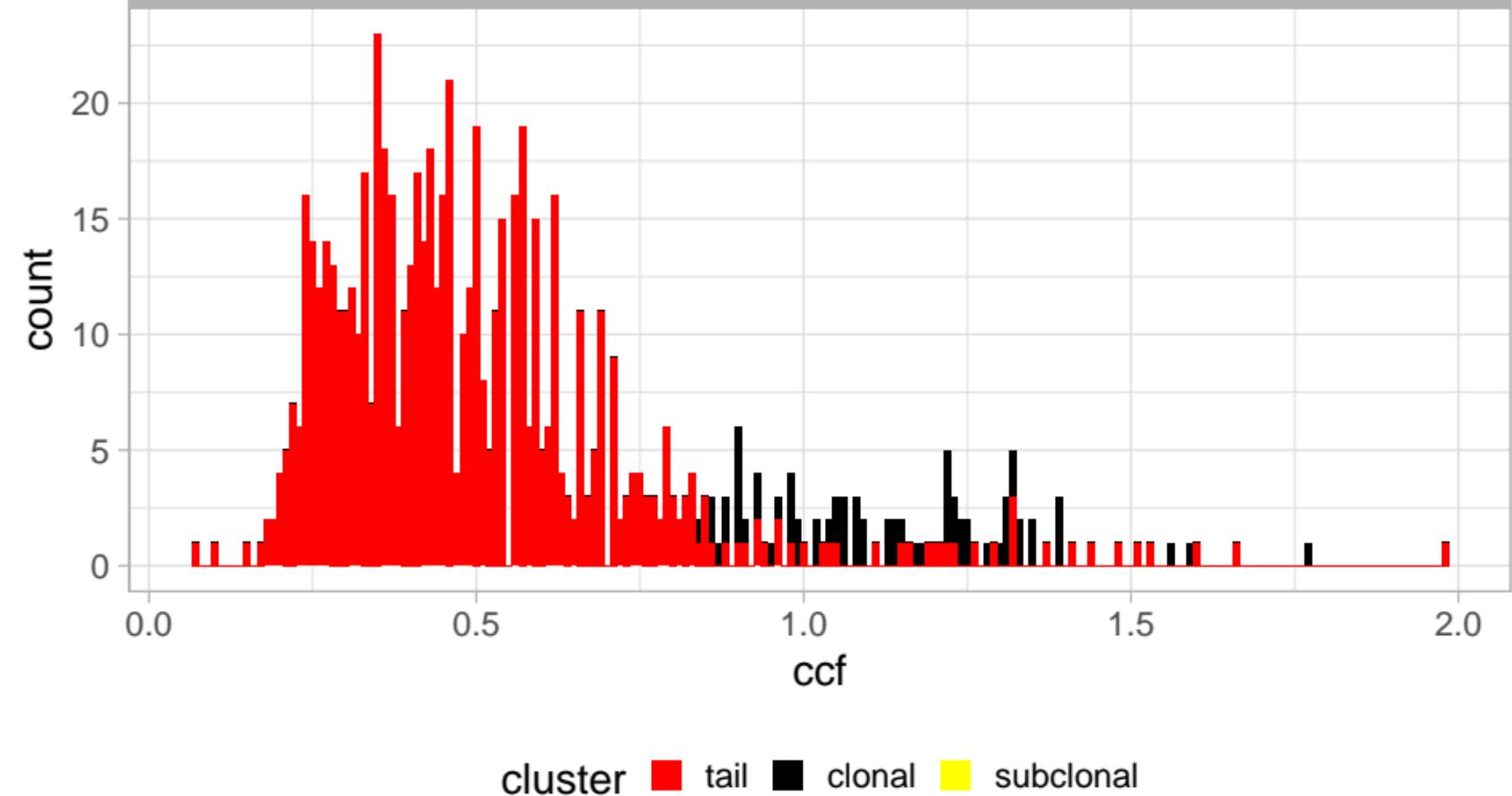
SA501399



SA413916



SA413622



SA85298

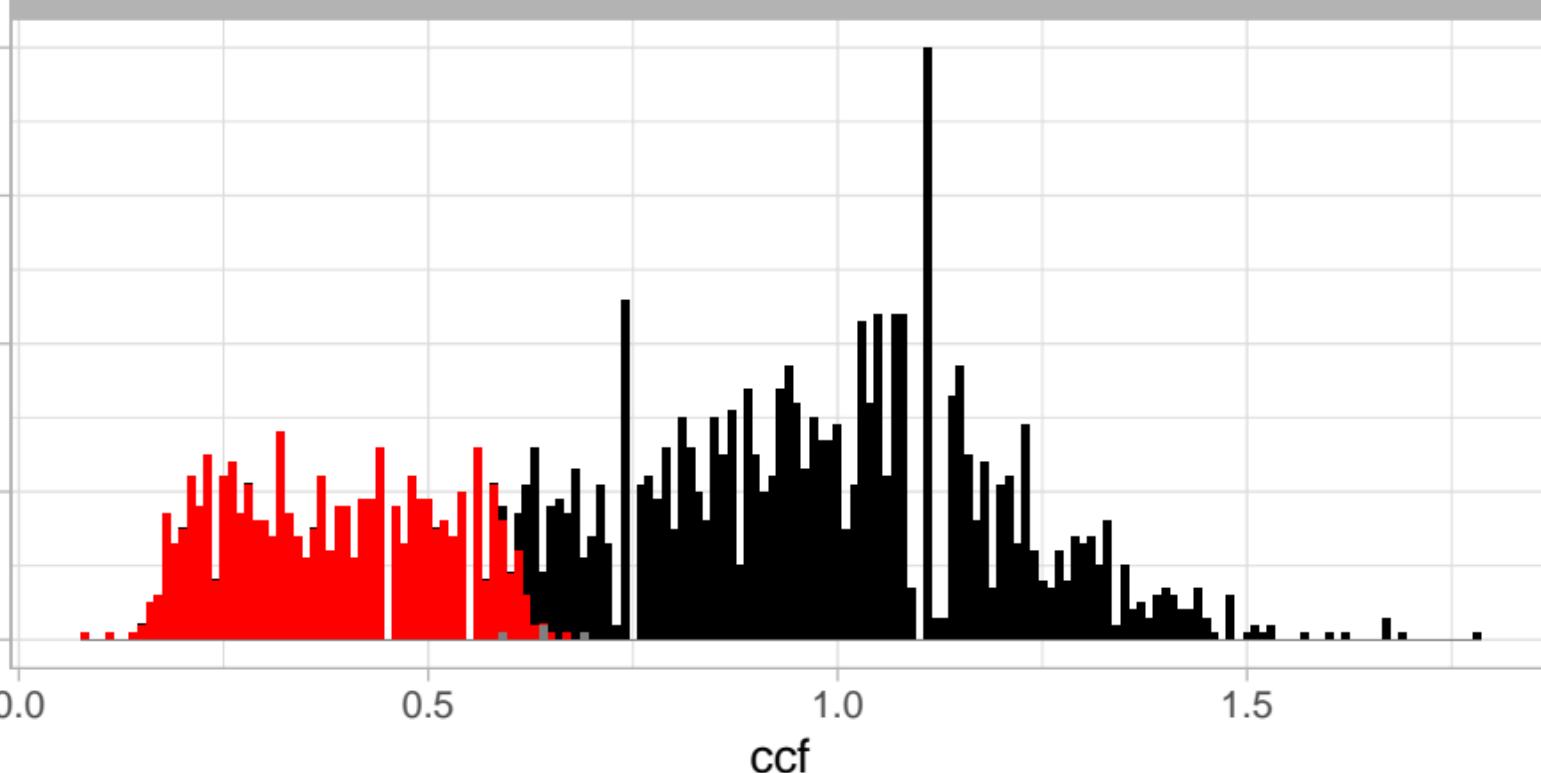
count

80
60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA533695

count

150
100
50
0

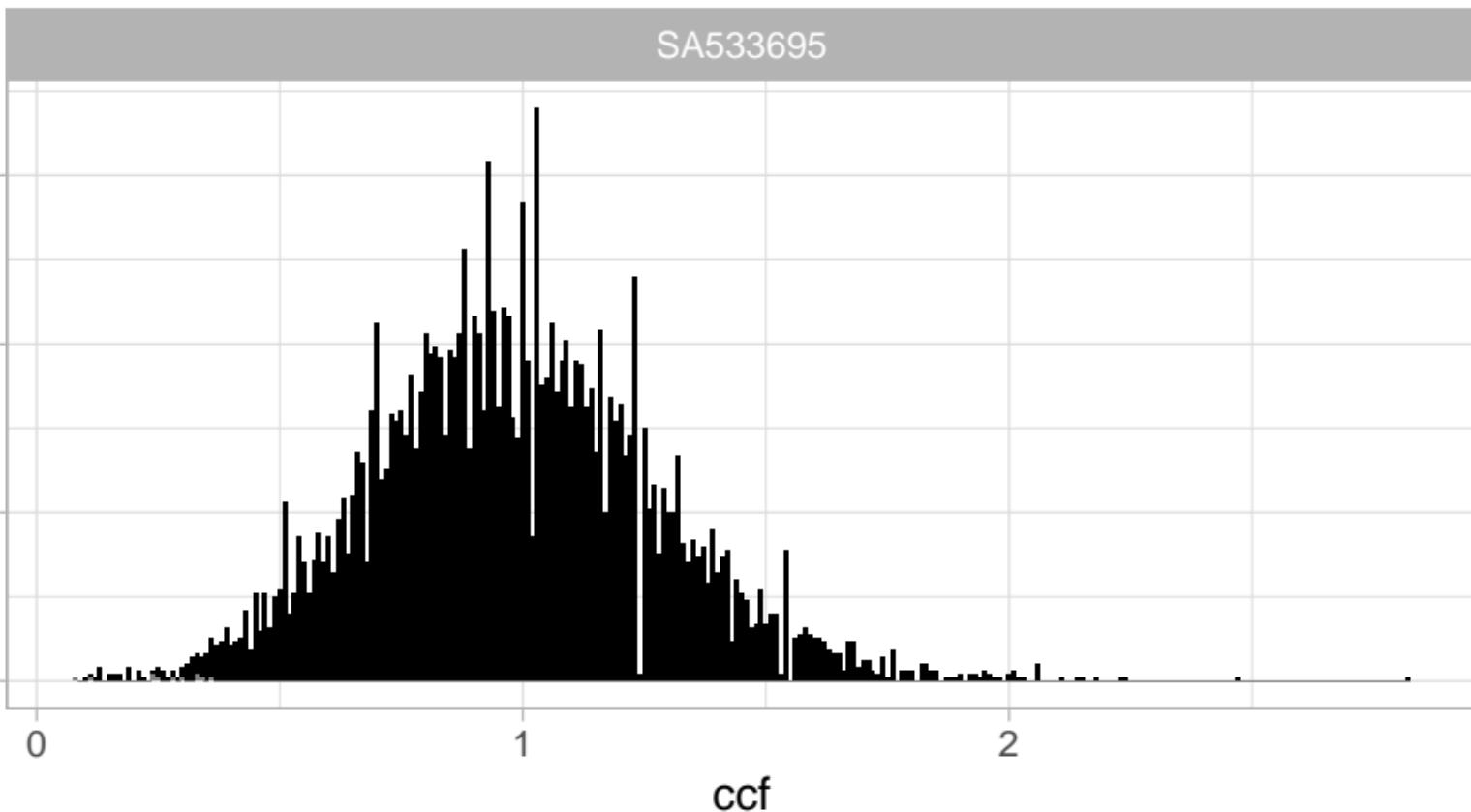
0

1

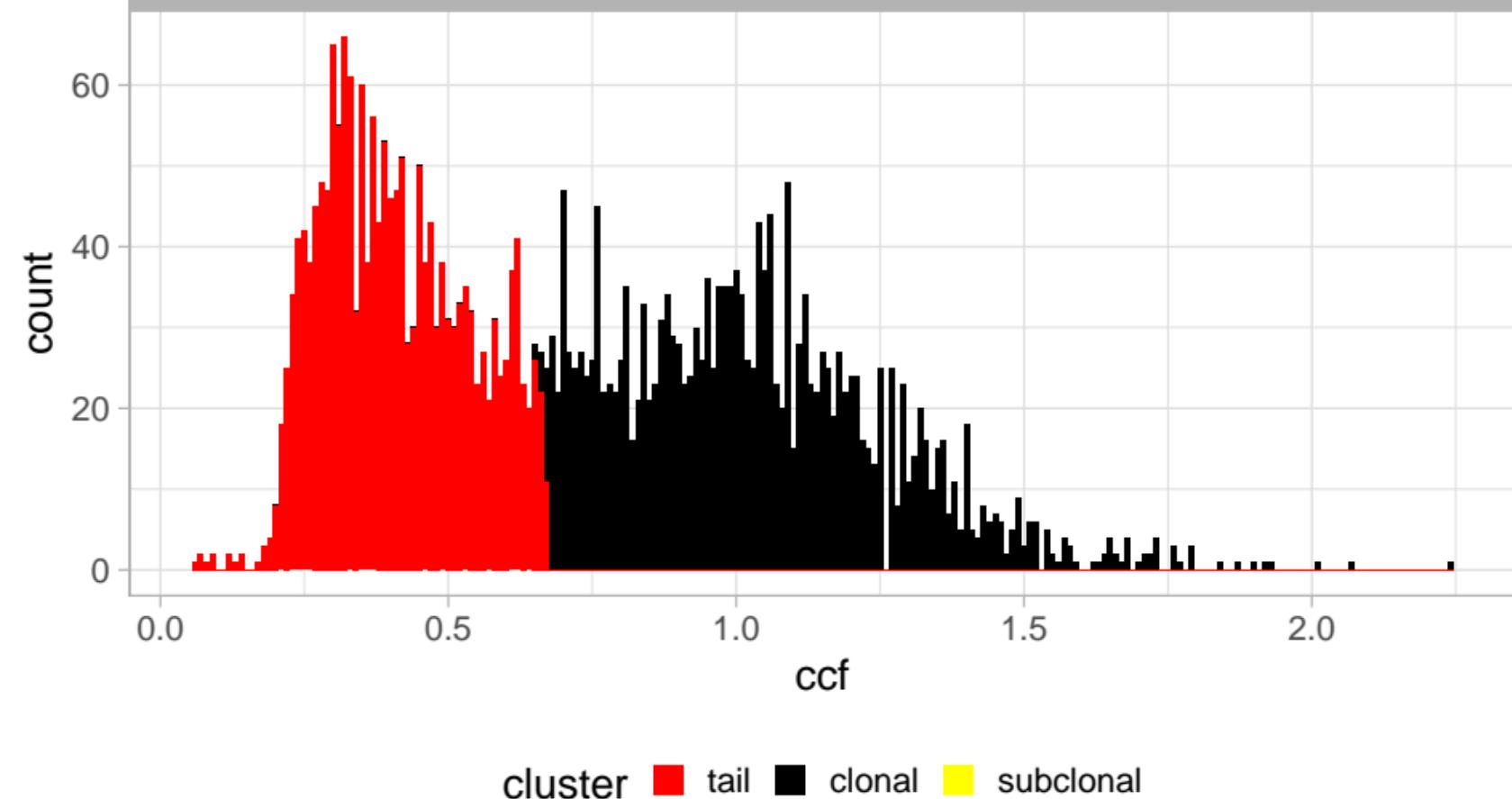
2

ccf

cluster tail clonal subclonal



SA530616



SA506669

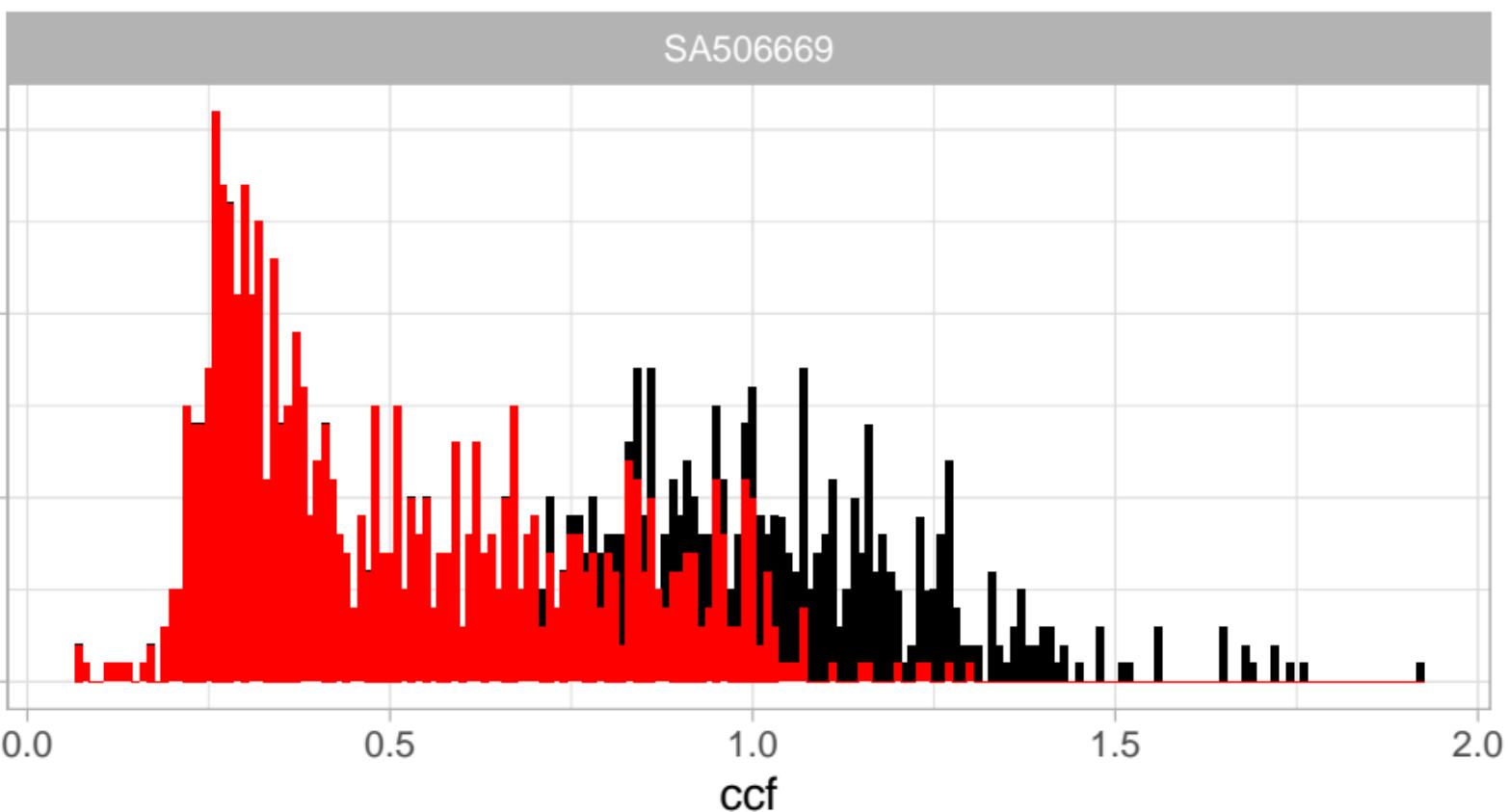
count

30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA505877

count

100

50

0

0.0

0.5

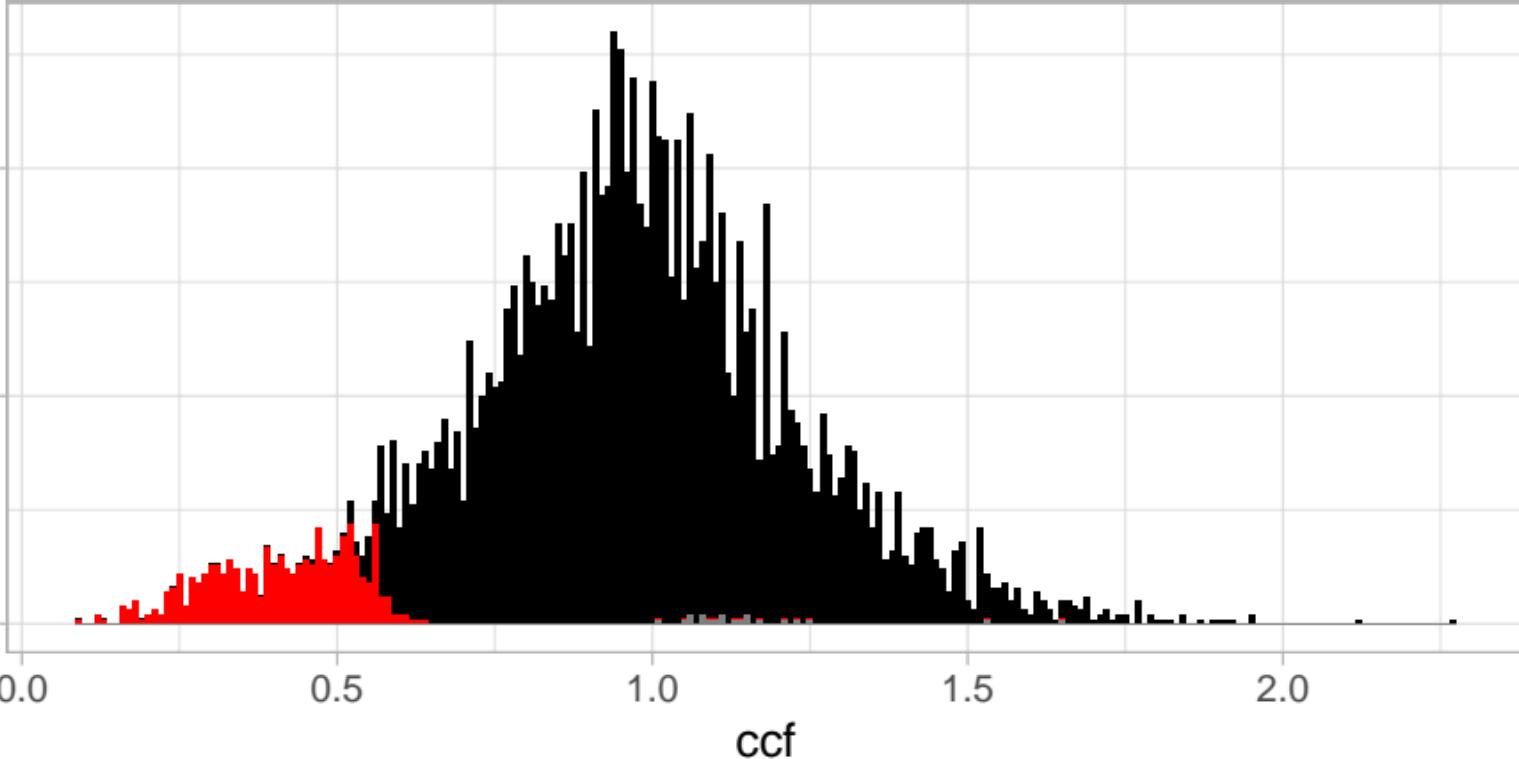
1.0

1.5

2.0

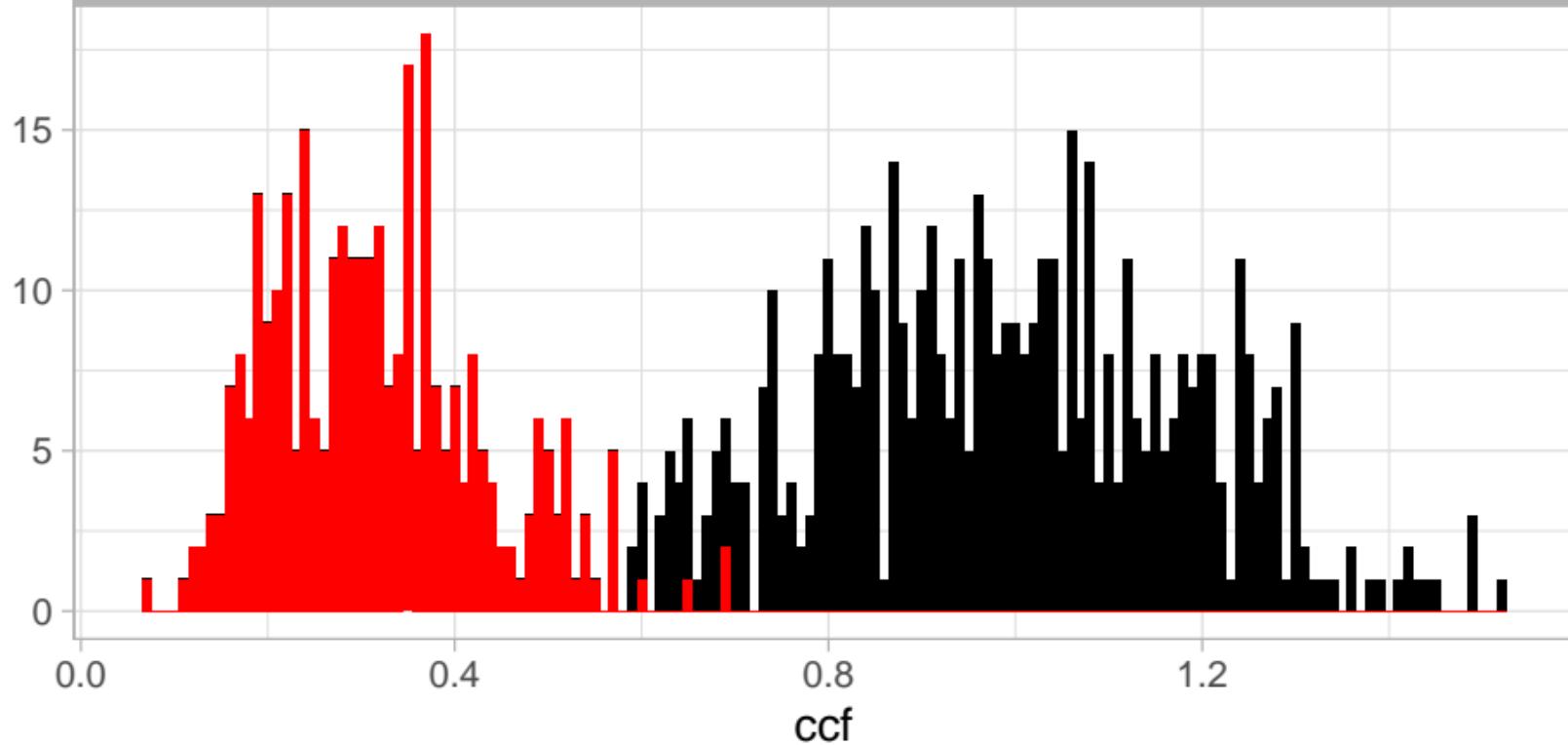
ccf

cluster ■ tail ■ clonal ■ subclonal



SA413492

count



cluster ■ tail ■ clonal ■ subclonal

SA501468

count

600
400
200
0

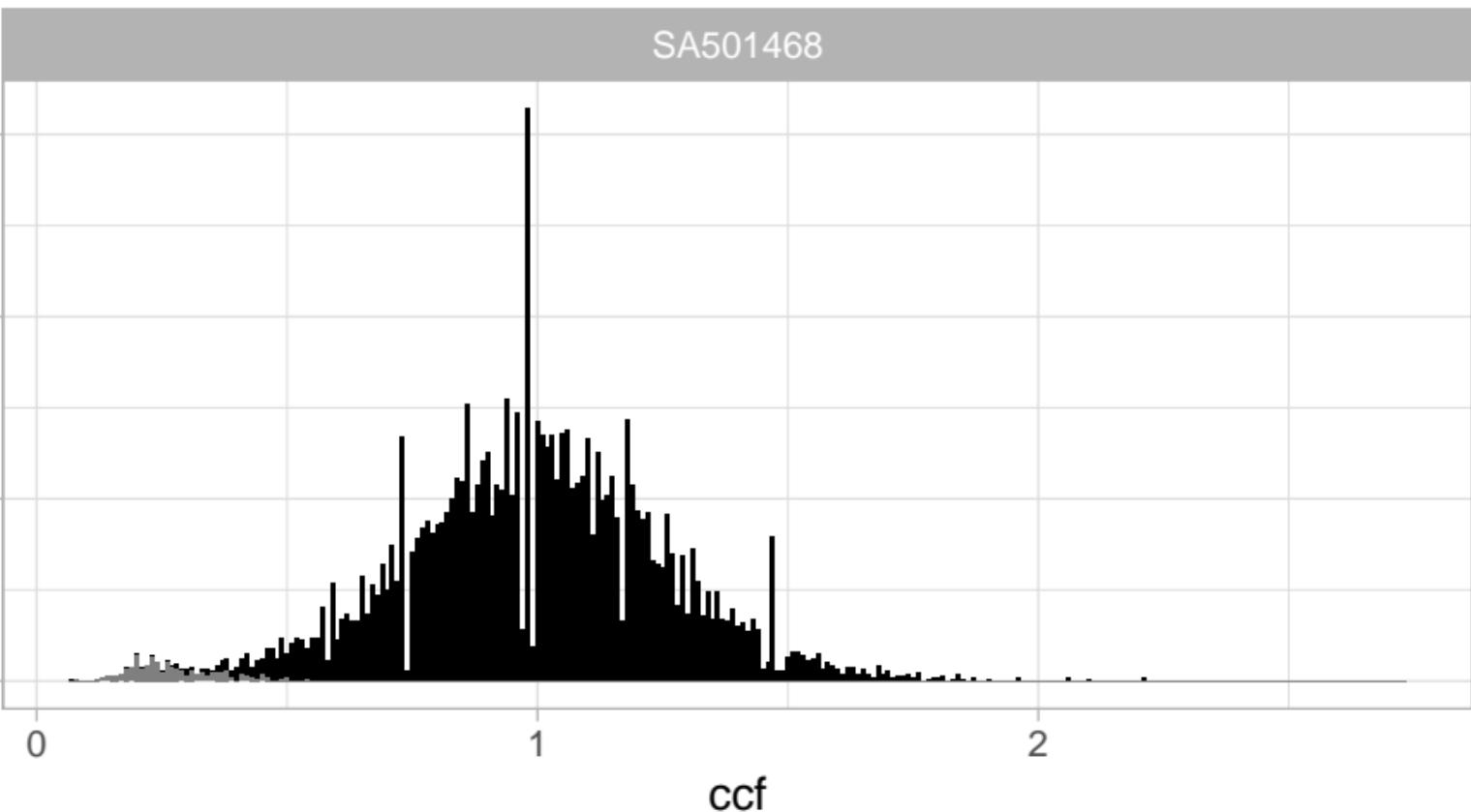
0

1

2

ccf

cluster tail clonal subclonal



SA533723

count

150
100
50
0

0 5 10 15

ccf

cluster tail clonal subclonal

SA413562

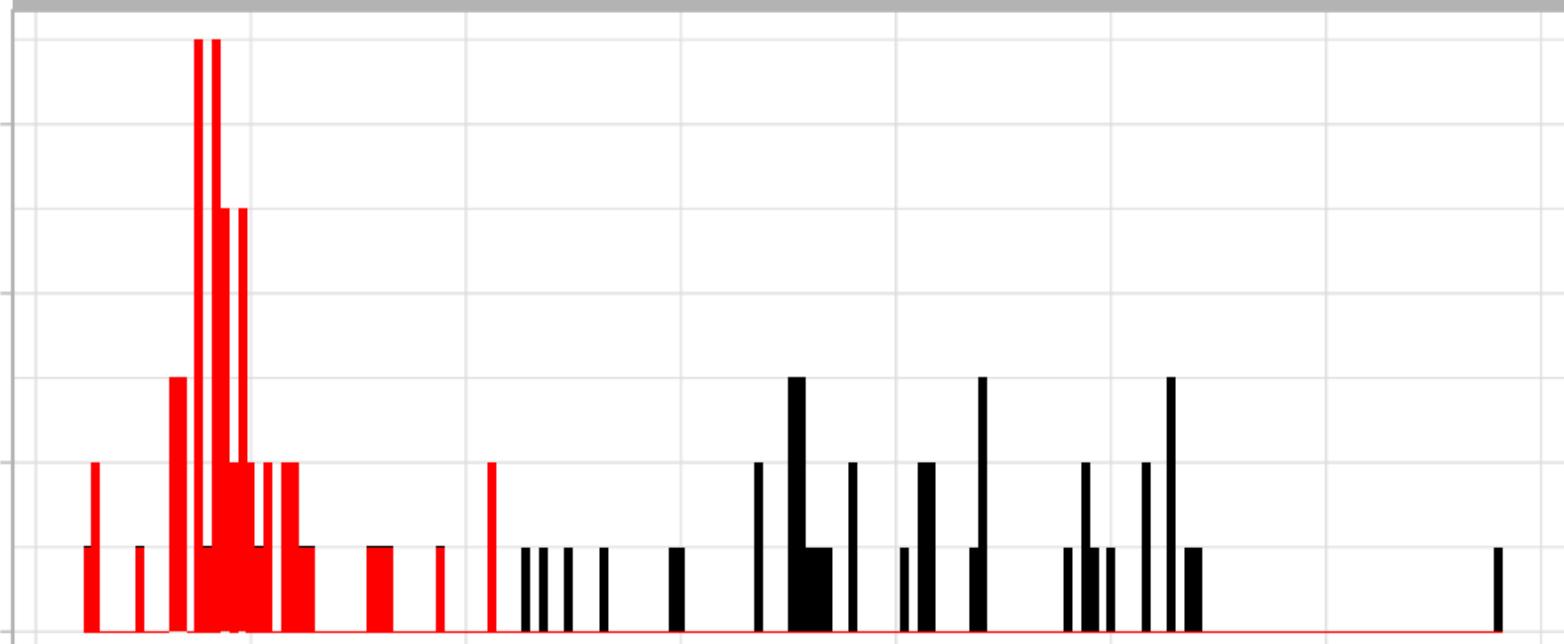
count

6
4
2
0

0.0 0.5 1.0 1.5

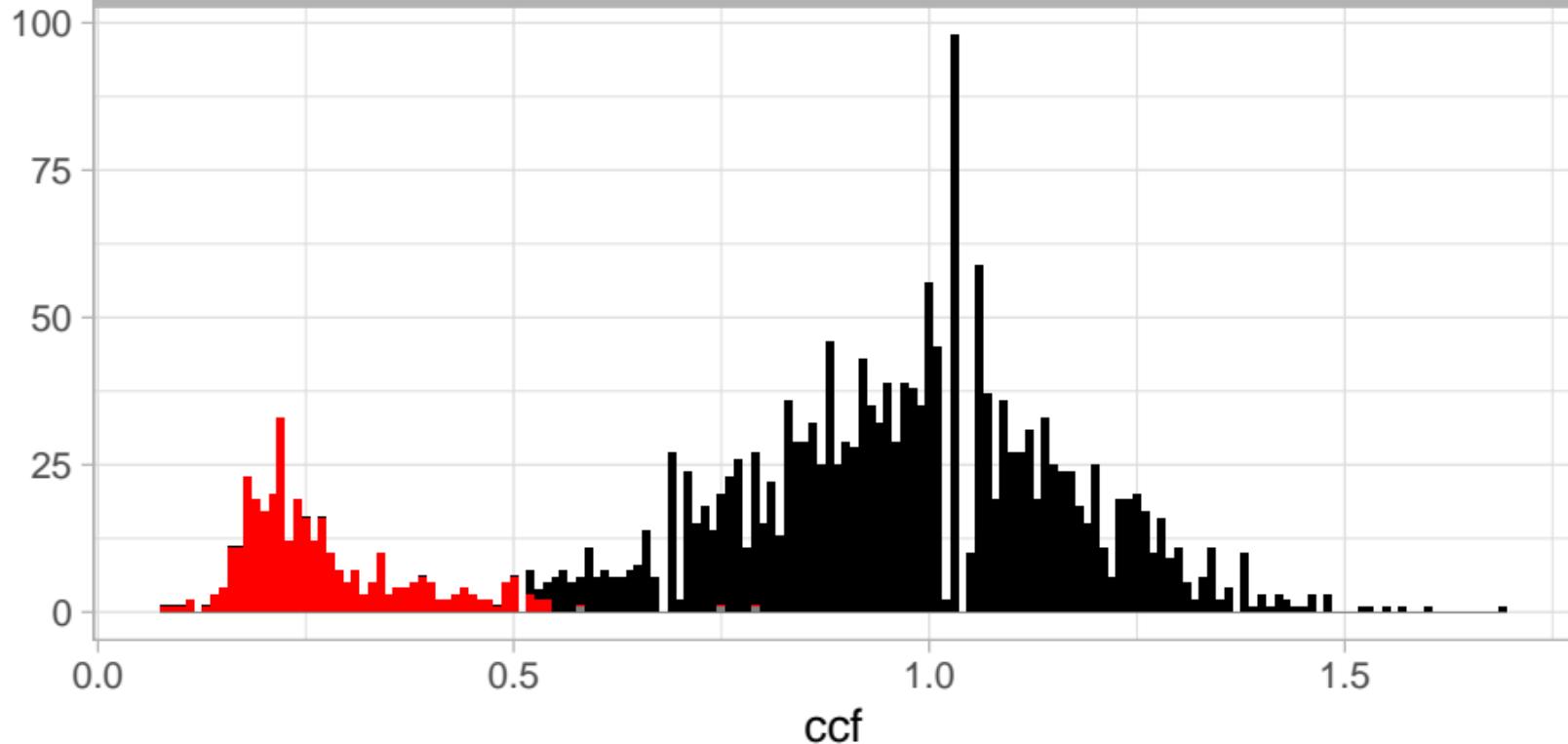
ccf

cluster tail clonal subclonal



SA538980

count



cluster ■ tail ■ clonal ■ subclonal

SA530442

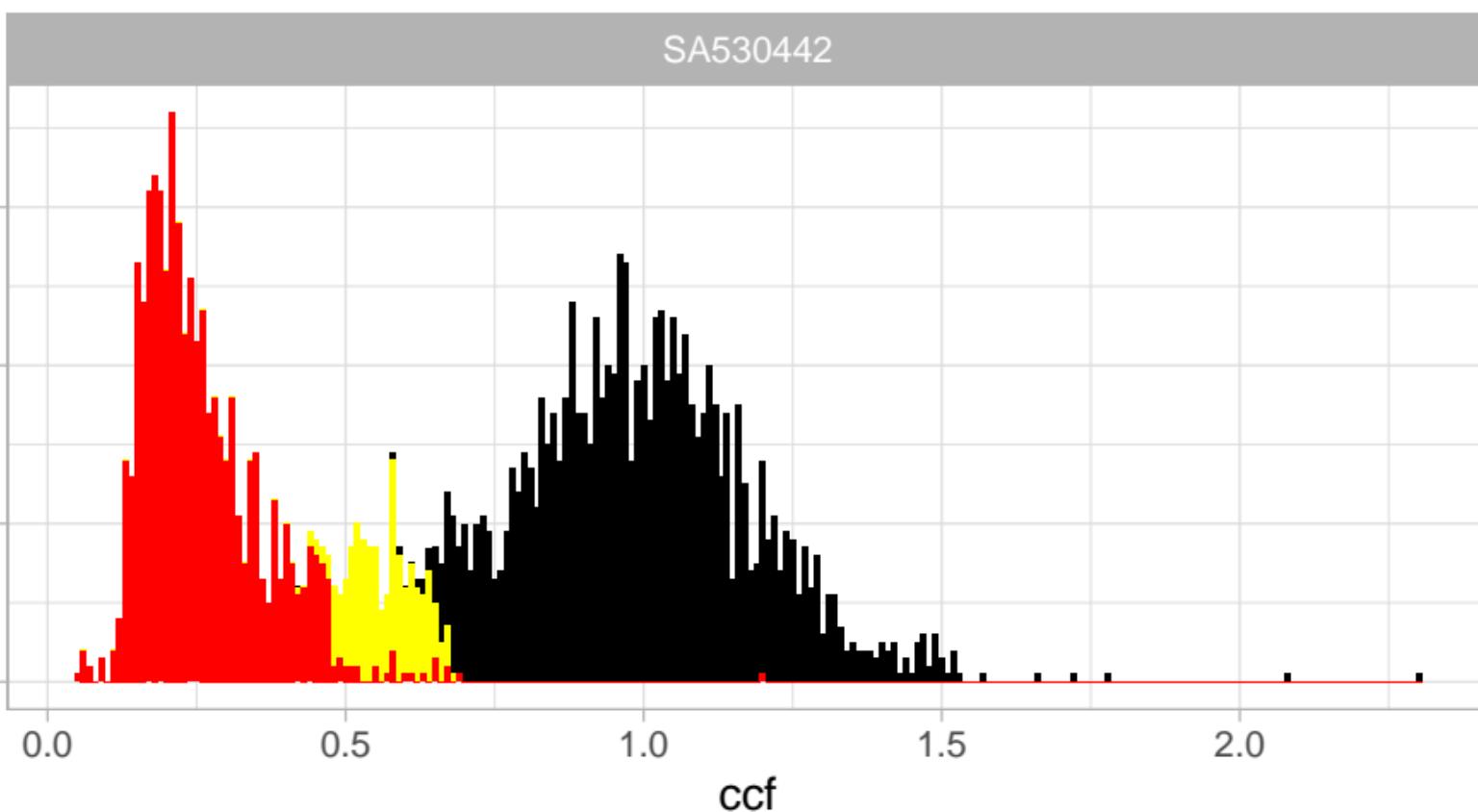
count

60
40
20
0

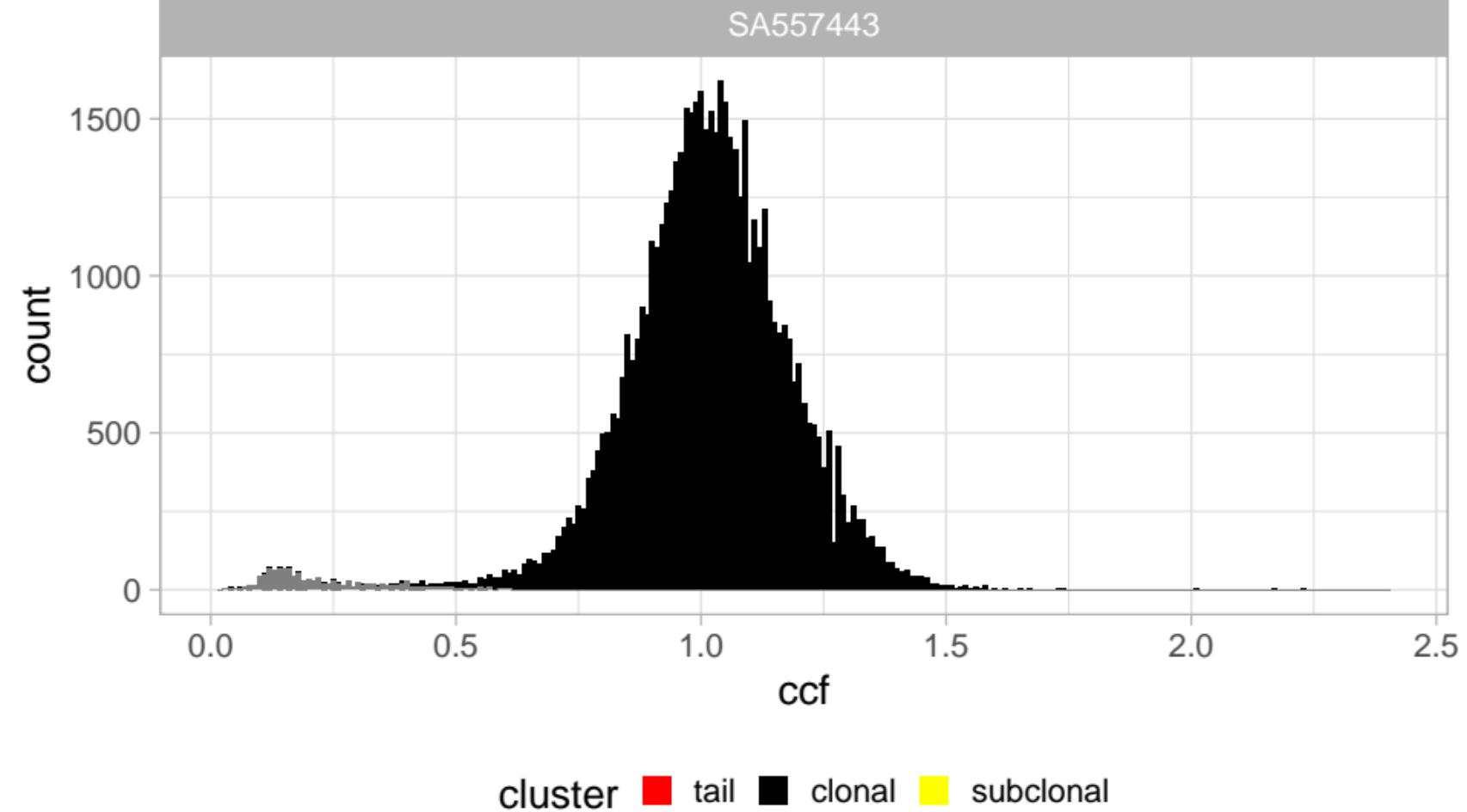
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557443



SA533684

count

200

150

100

50

0

0.0

0.5

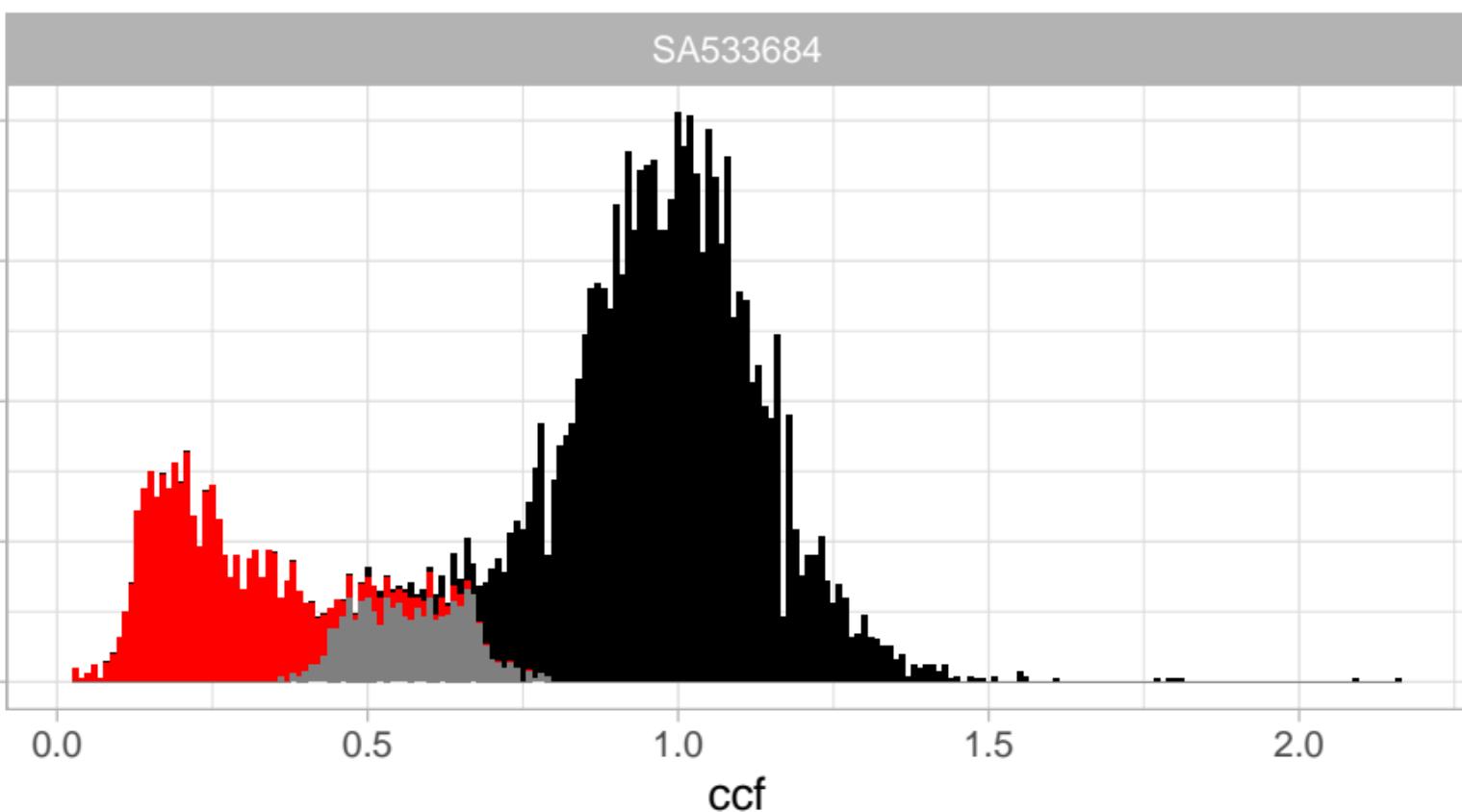
1.0

1.5

2.0

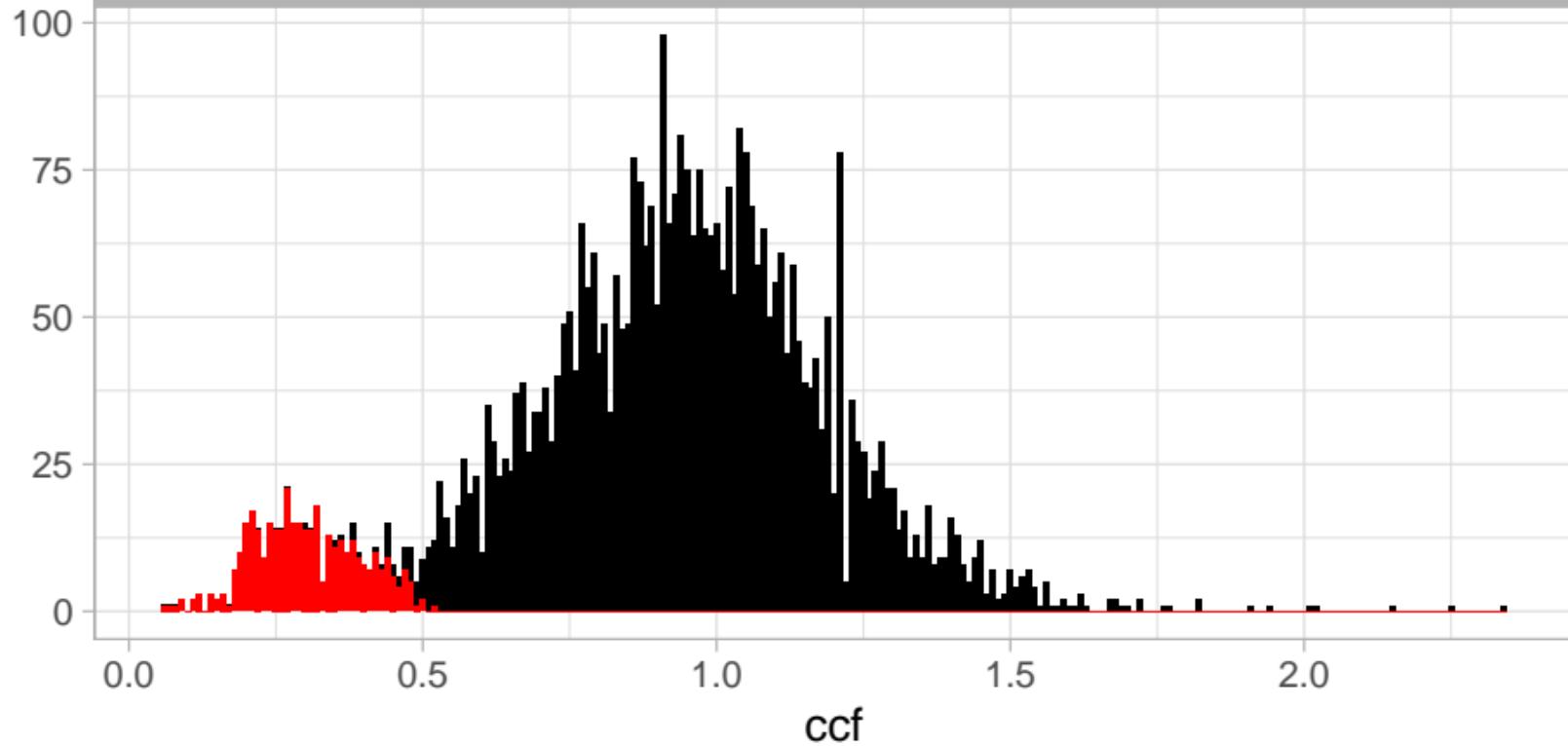
ccf

cluster ■ tail ■ clonal ■ subclonal



SA533772

count



cluster ■ tail ■ clonal ■ subclonal

SA529724

count

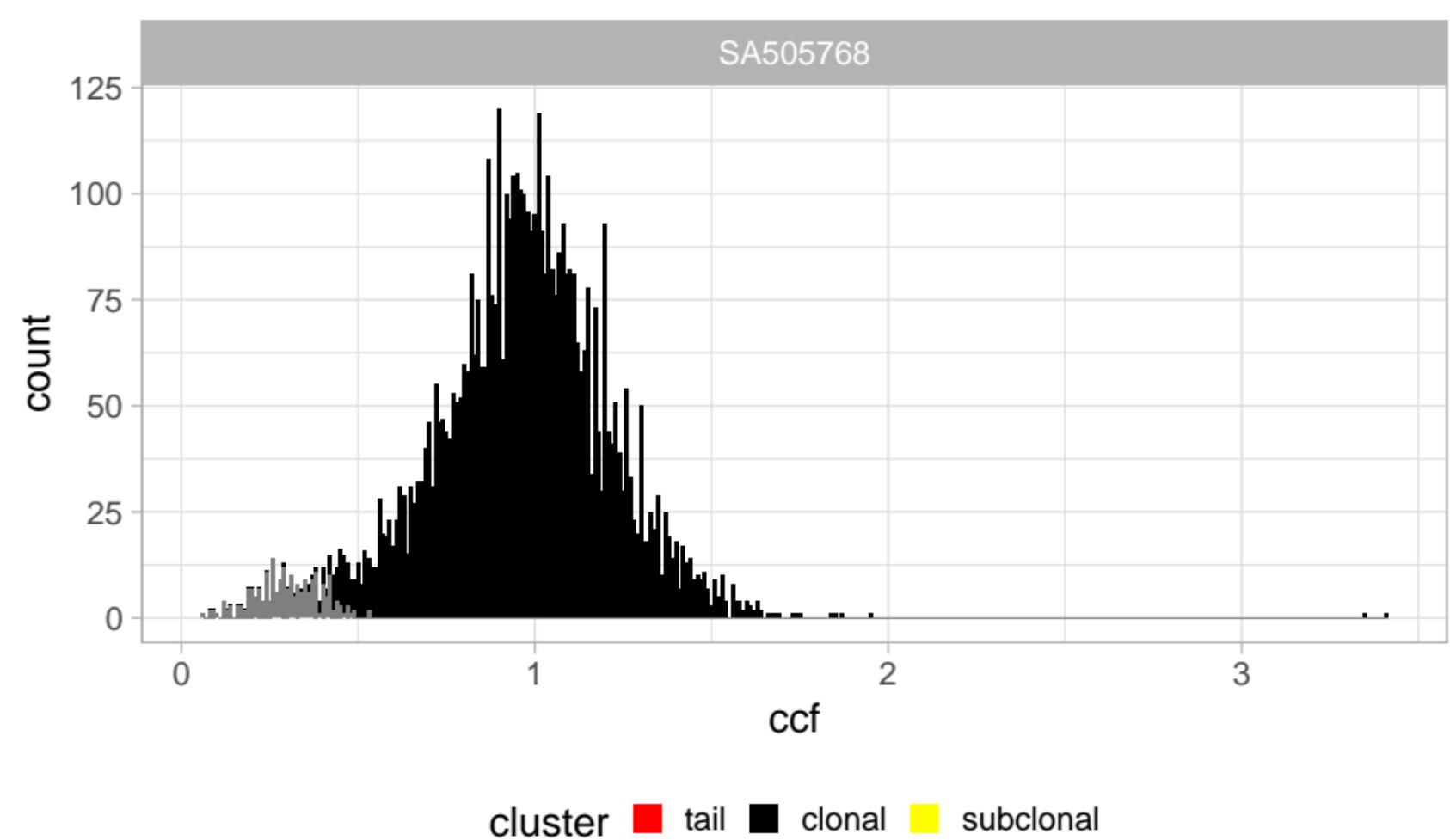
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA505768



SA570899

count

30
20
10
0

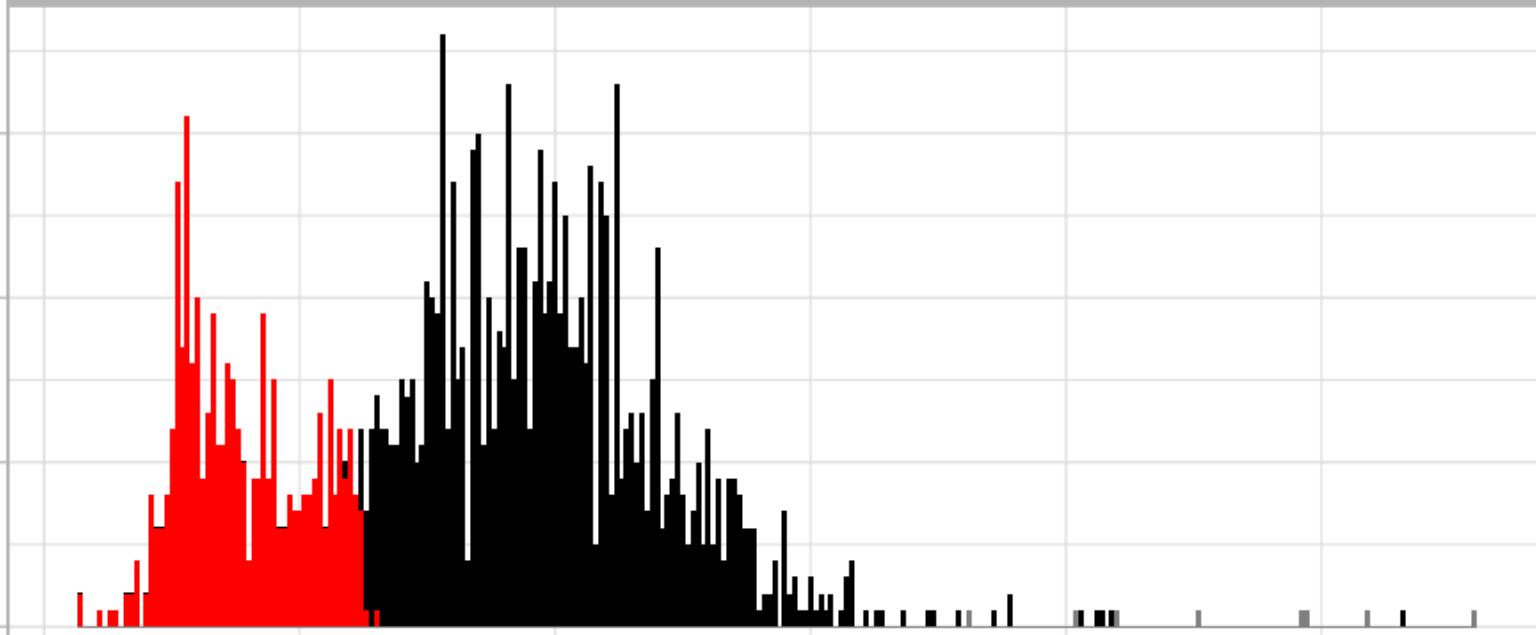
0

1

2

ccf

cluster tail clonal subclonal



SA543605

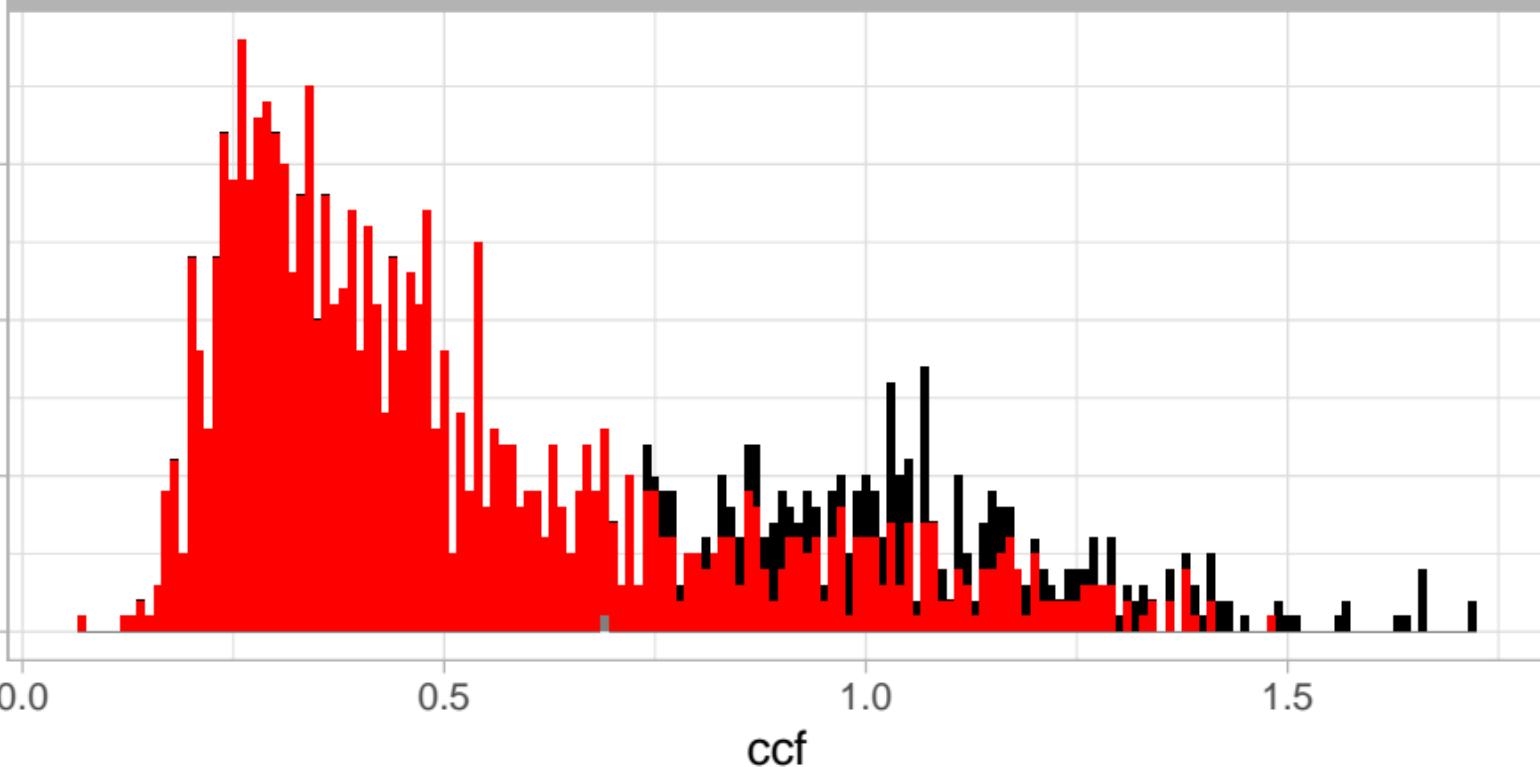
count

30
20
10
0

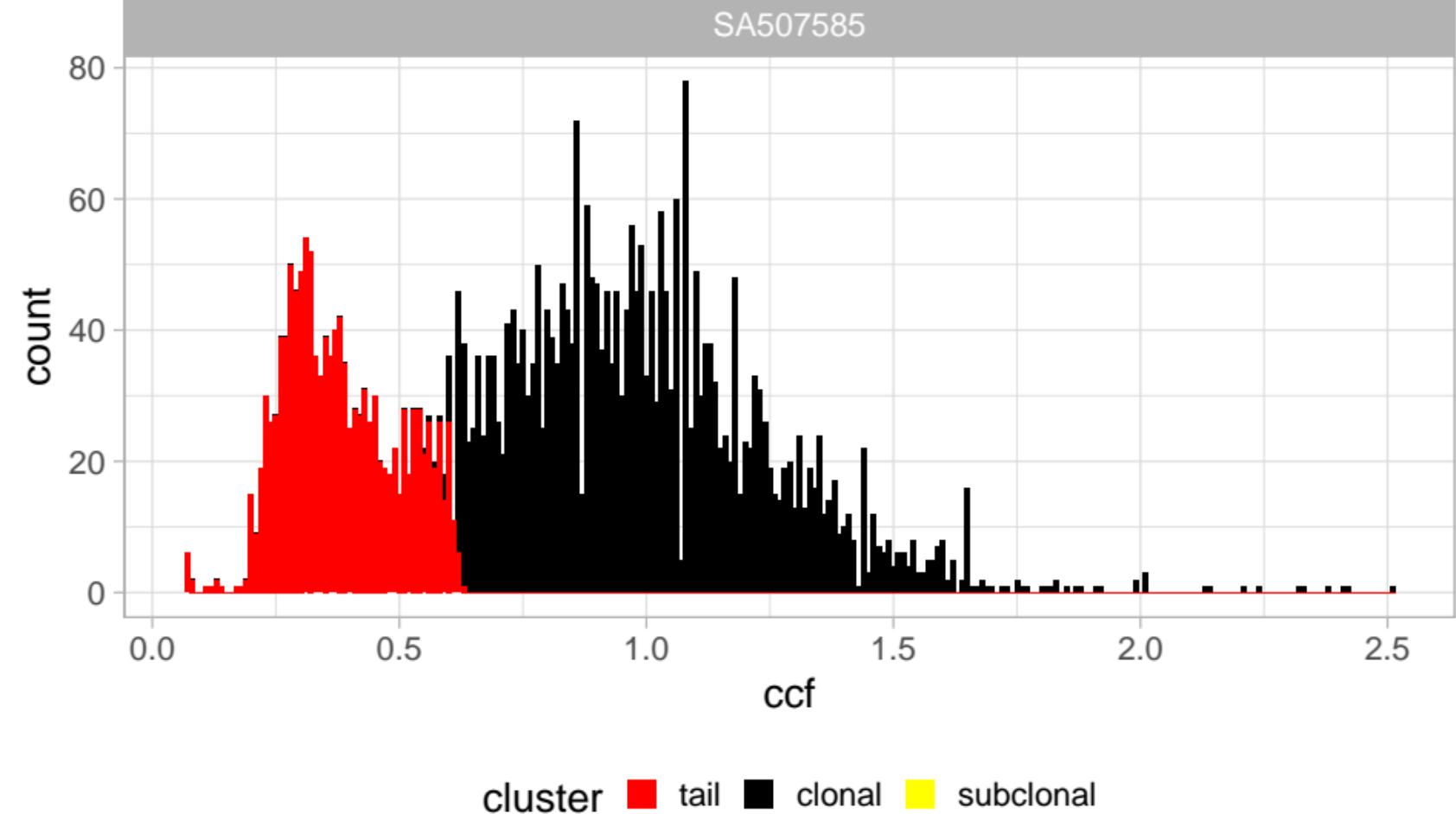
0.0 0.5 1.0 1.5

ccf

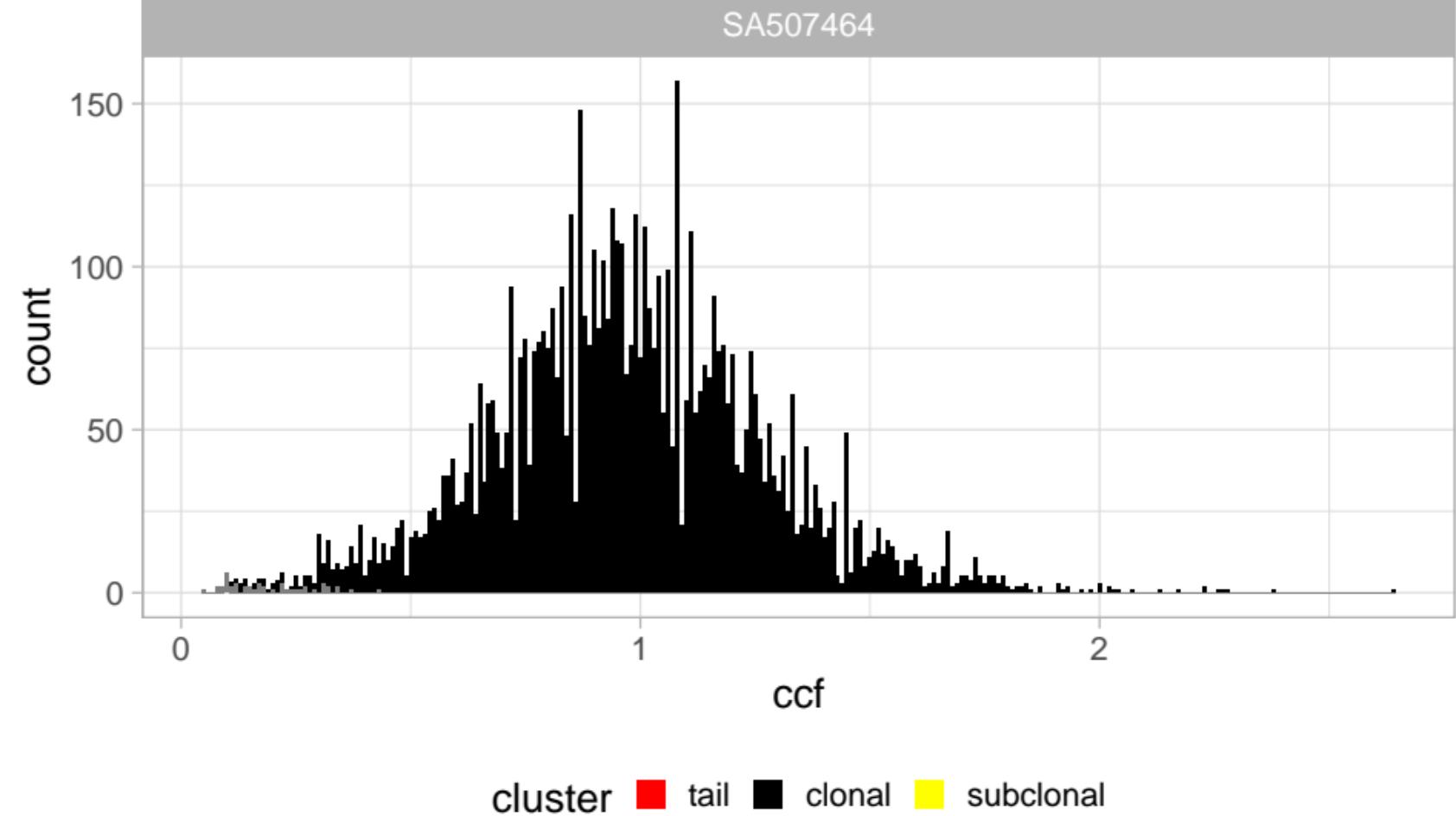
cluster tail clonal subclonal



SA507585



SA507464



SA501393

count

300
200
100
0

0 1 2 3 4 5

ccf

cluster tail clonal subclonal

SA529726

count

150

100

50

0

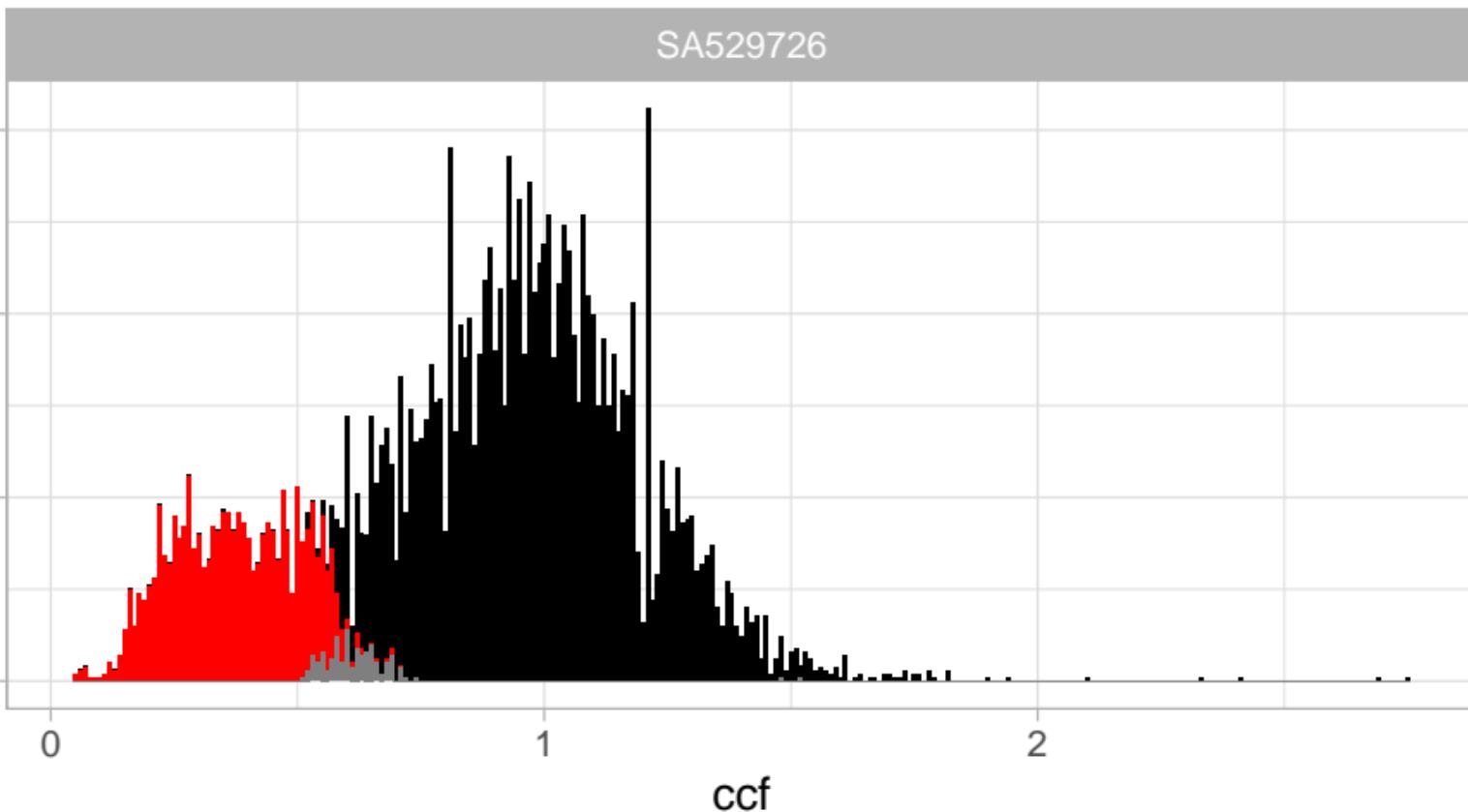
0

1

2

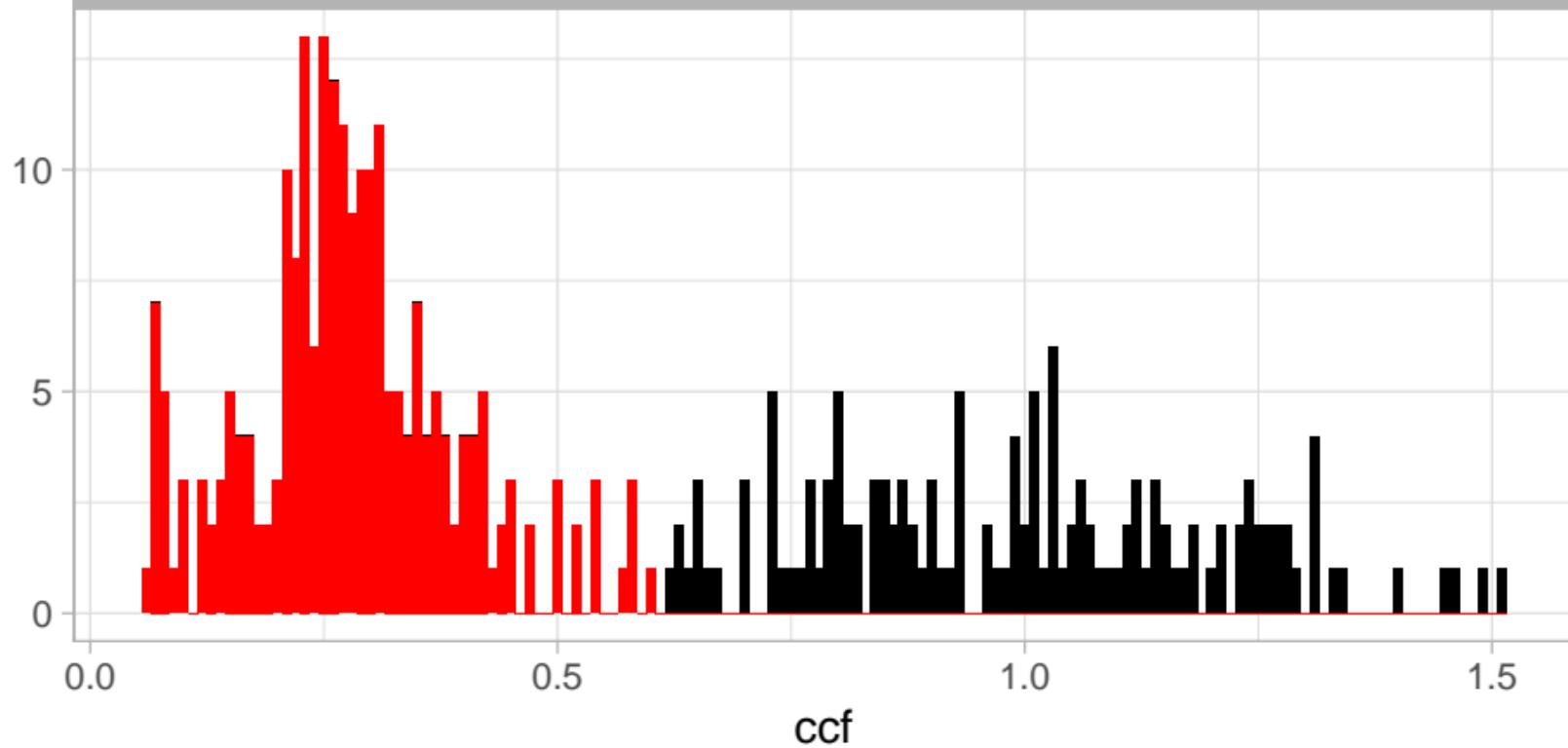
ccf

cluster tail clonal subclonal



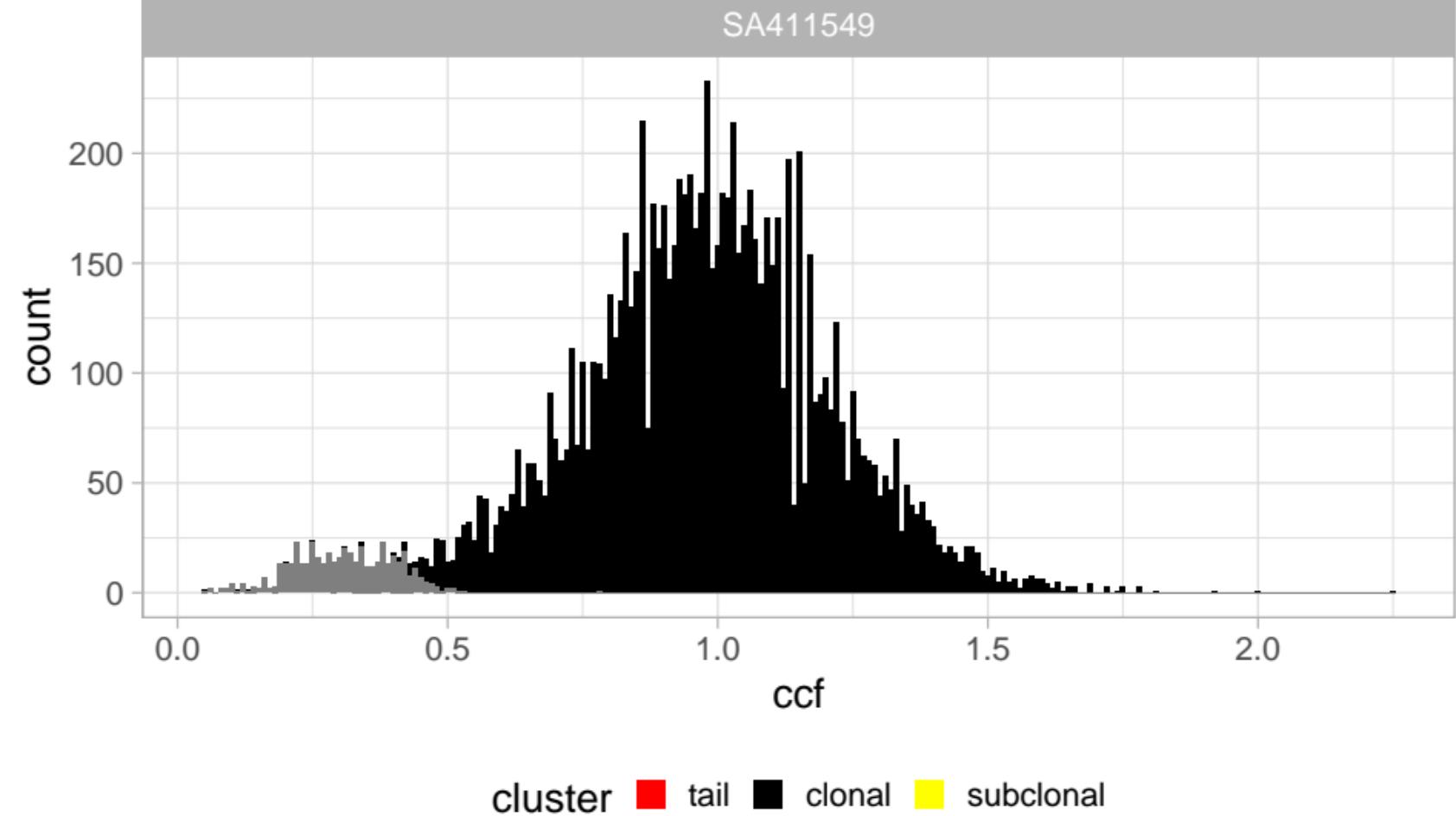
SA413932

count



cluster ■ tail ■ clonal ■ subclonal

SA411549



SA542143

count

200

150

100

50

0

0.0

0.5

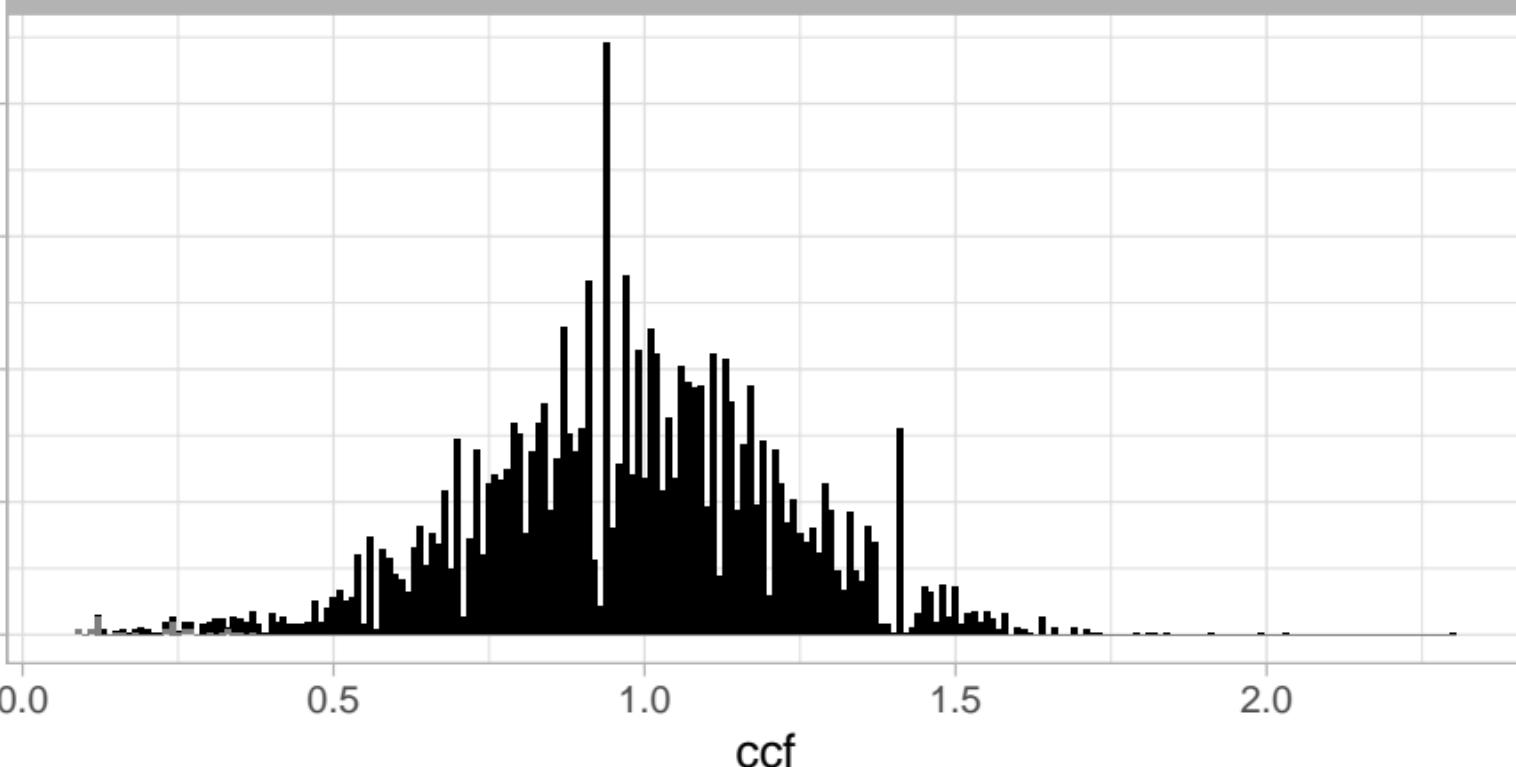
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA528848

count

750
500
250
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA507314

count

800
600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413842

count

6
4
2
0

0.4

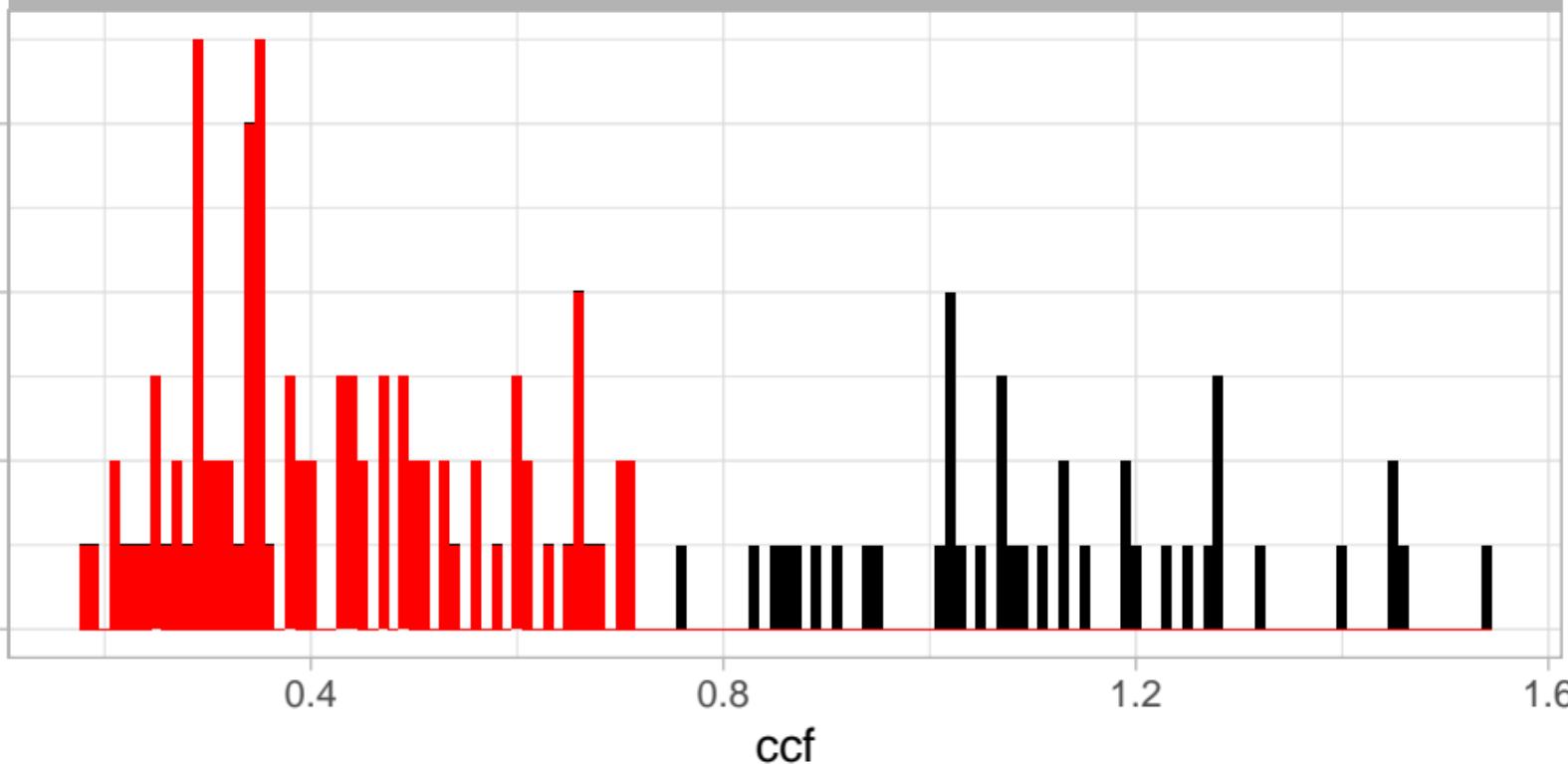
0.8

1.2

1.6

ccf

cluster ■ tail ■ clonal ■ subclonal



SA514937

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA130917

count

500
400
300
200
100
0

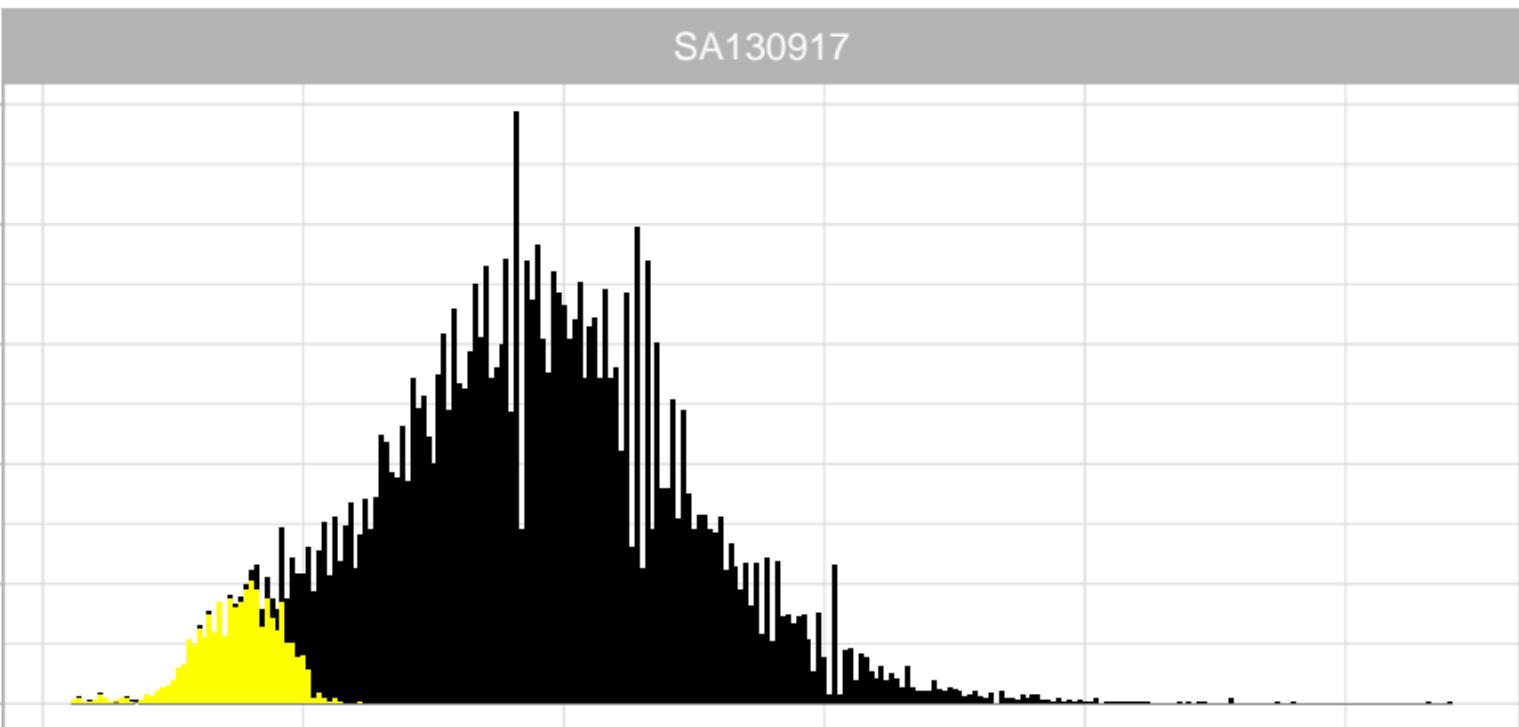
0

1

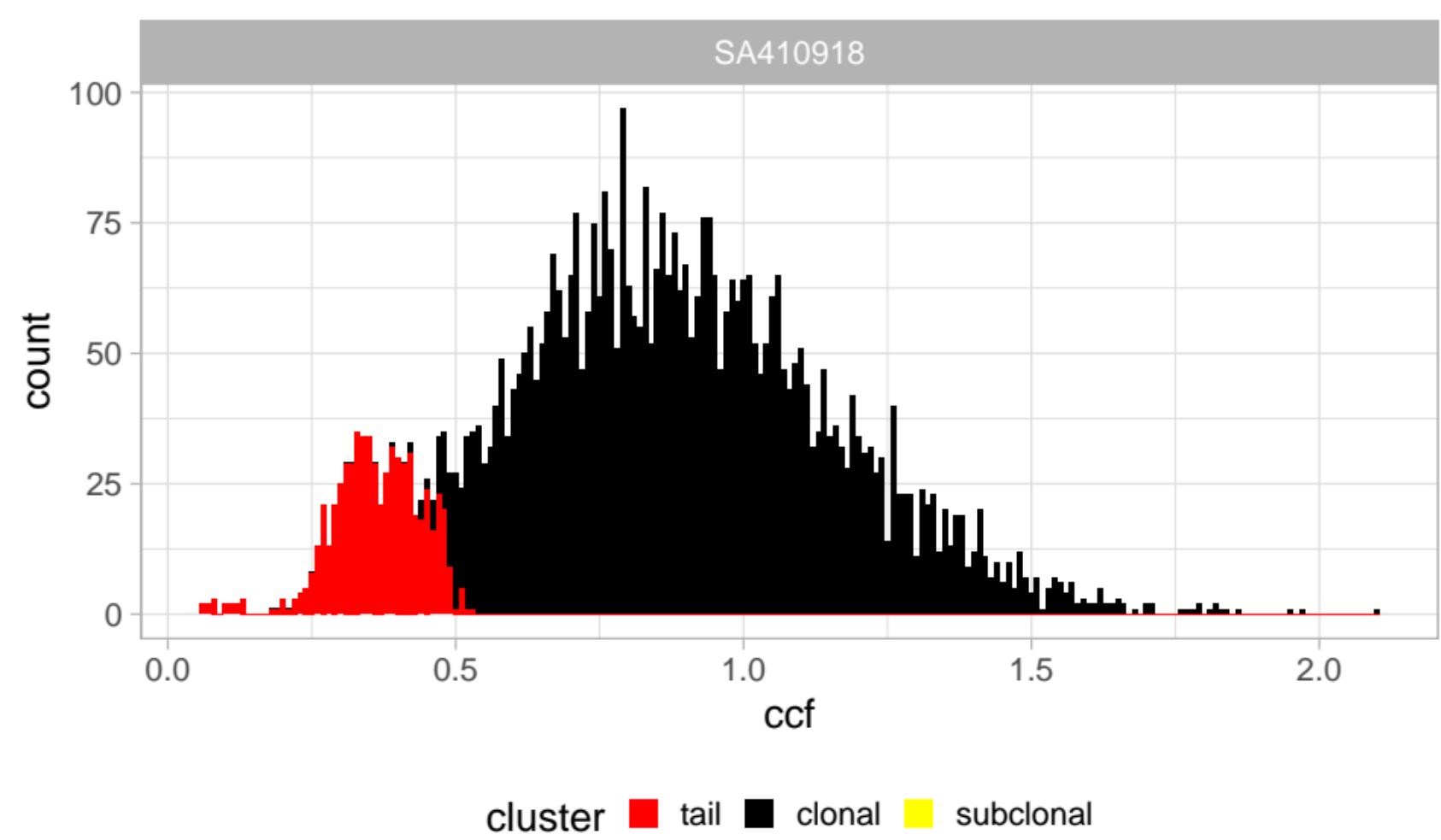
2

ccf

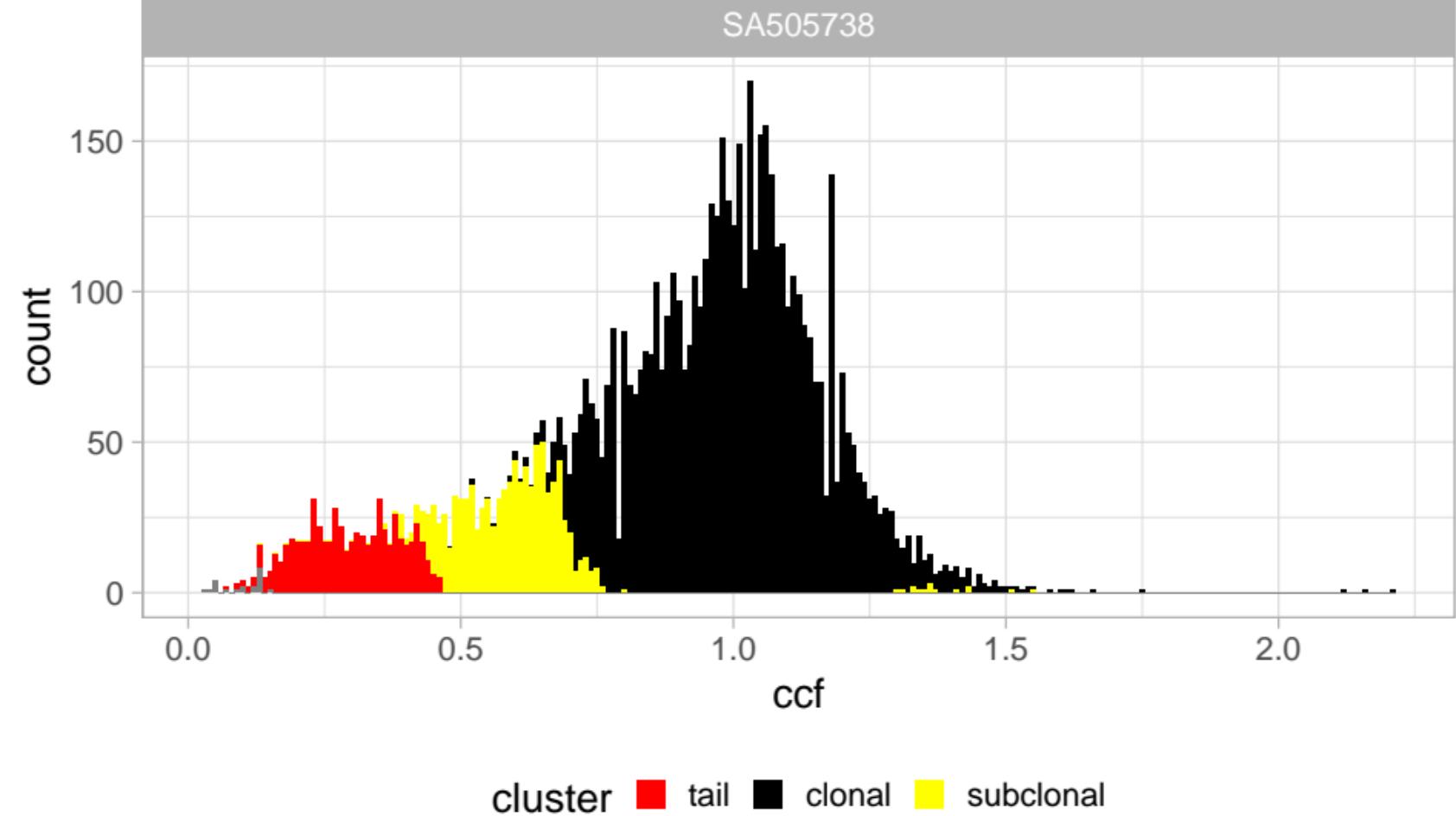
cluster tail clonal subclonal



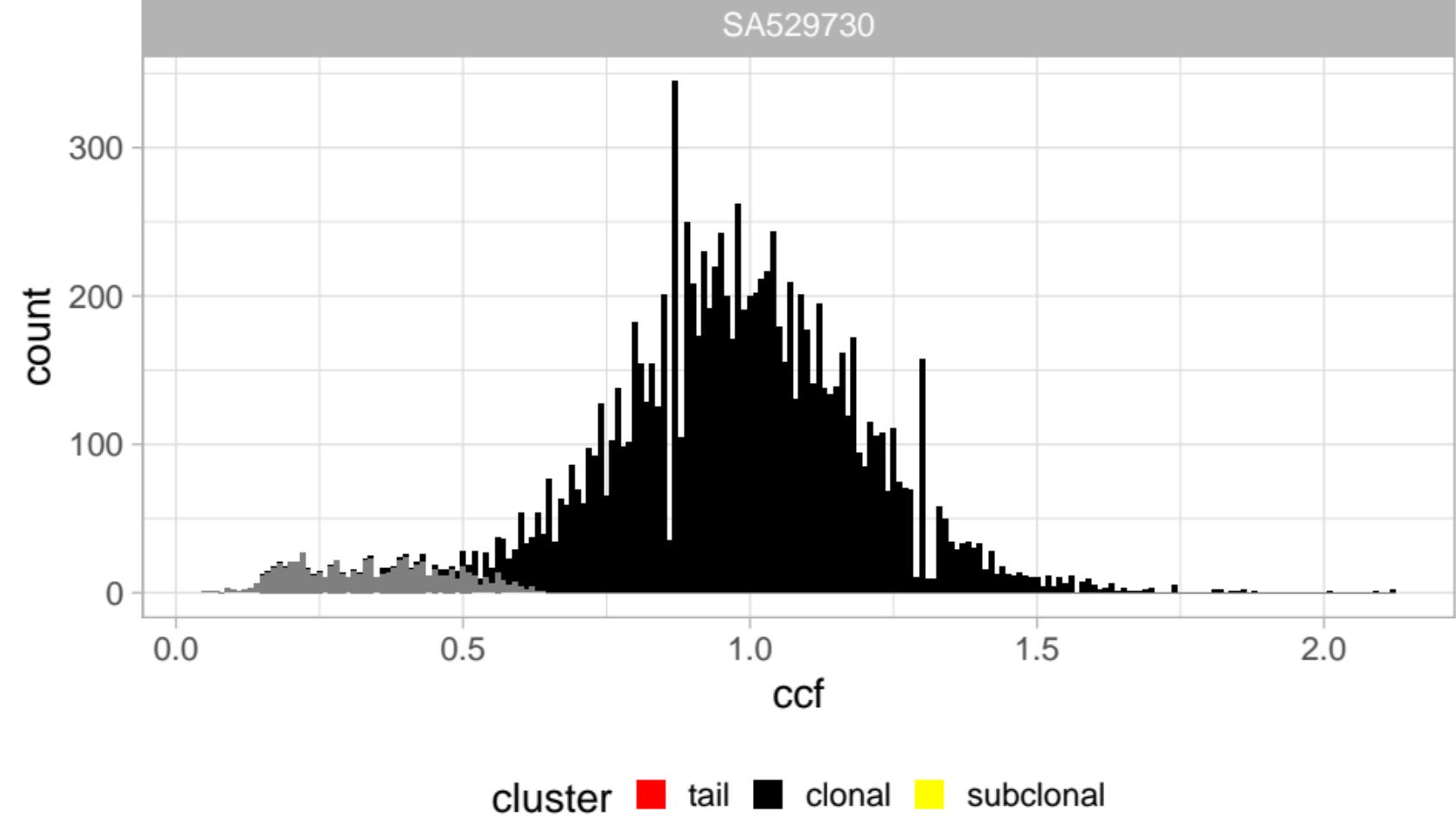
SA410918



SA505738



SA529730



SA528846

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA86545

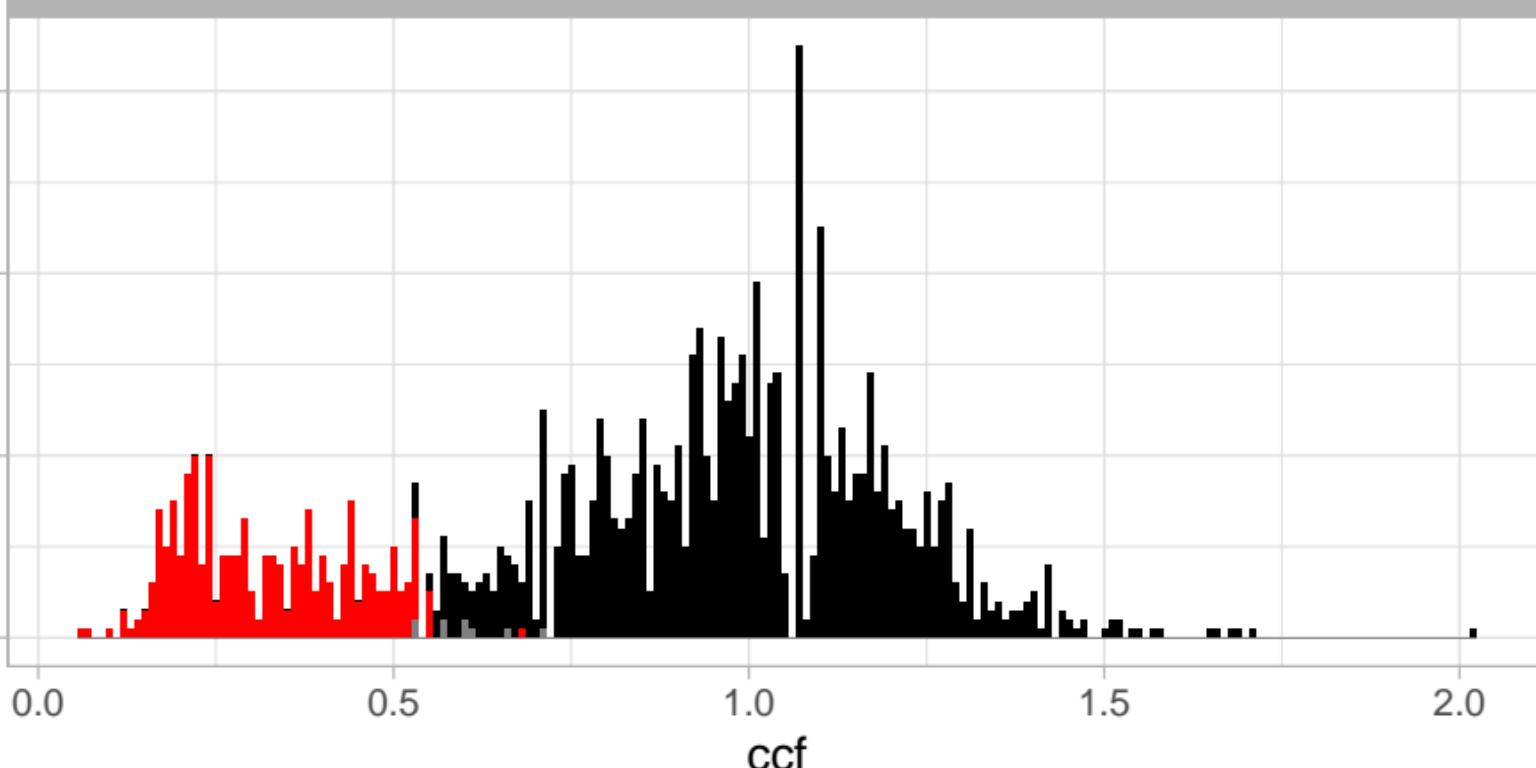
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA517321

count

150

100

50

0

0.0

0.5

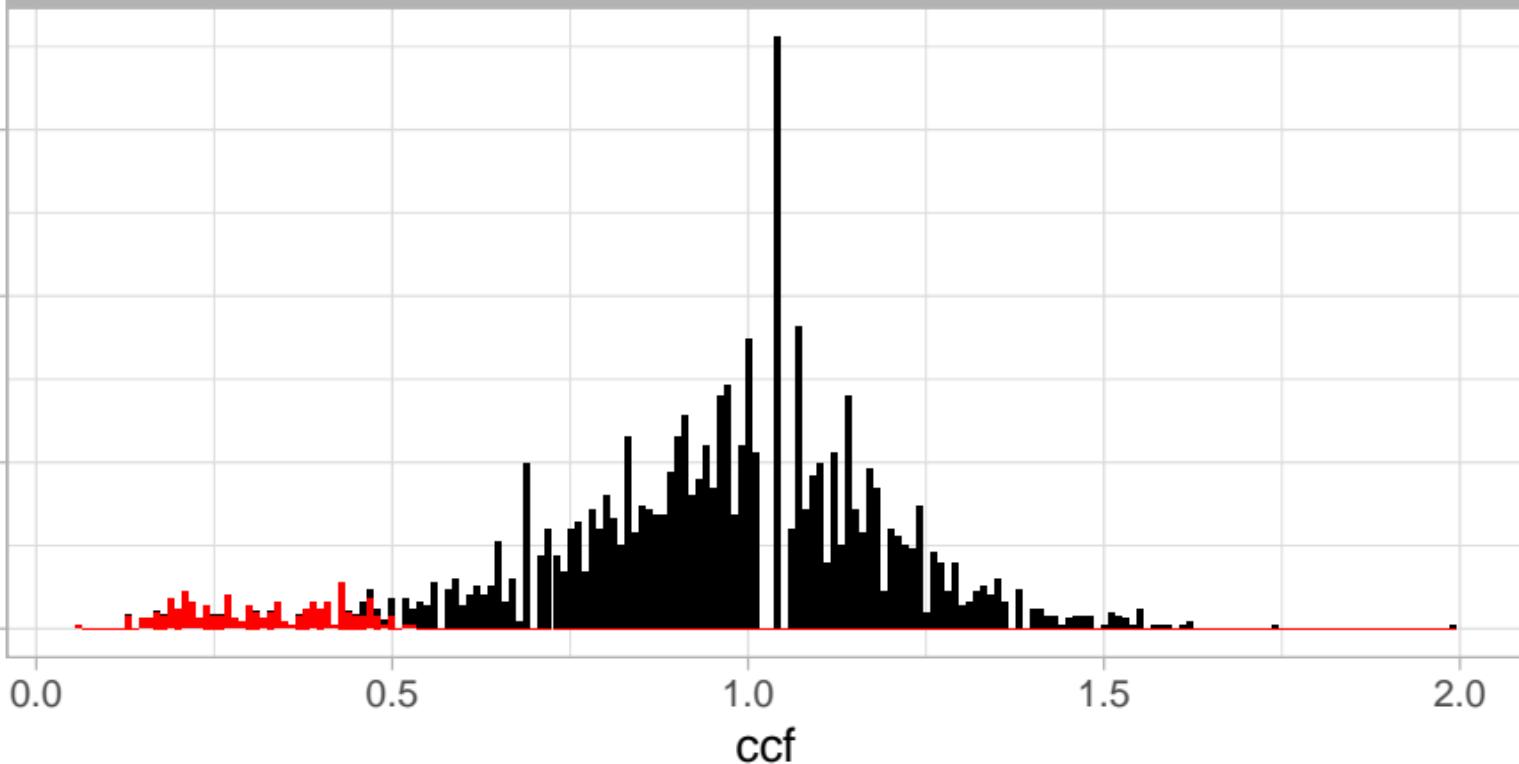
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA529732

count

200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA542027

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA530598

count

50
40
30
20
10
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA542169

count

150

100

50

0

0.0

0.5

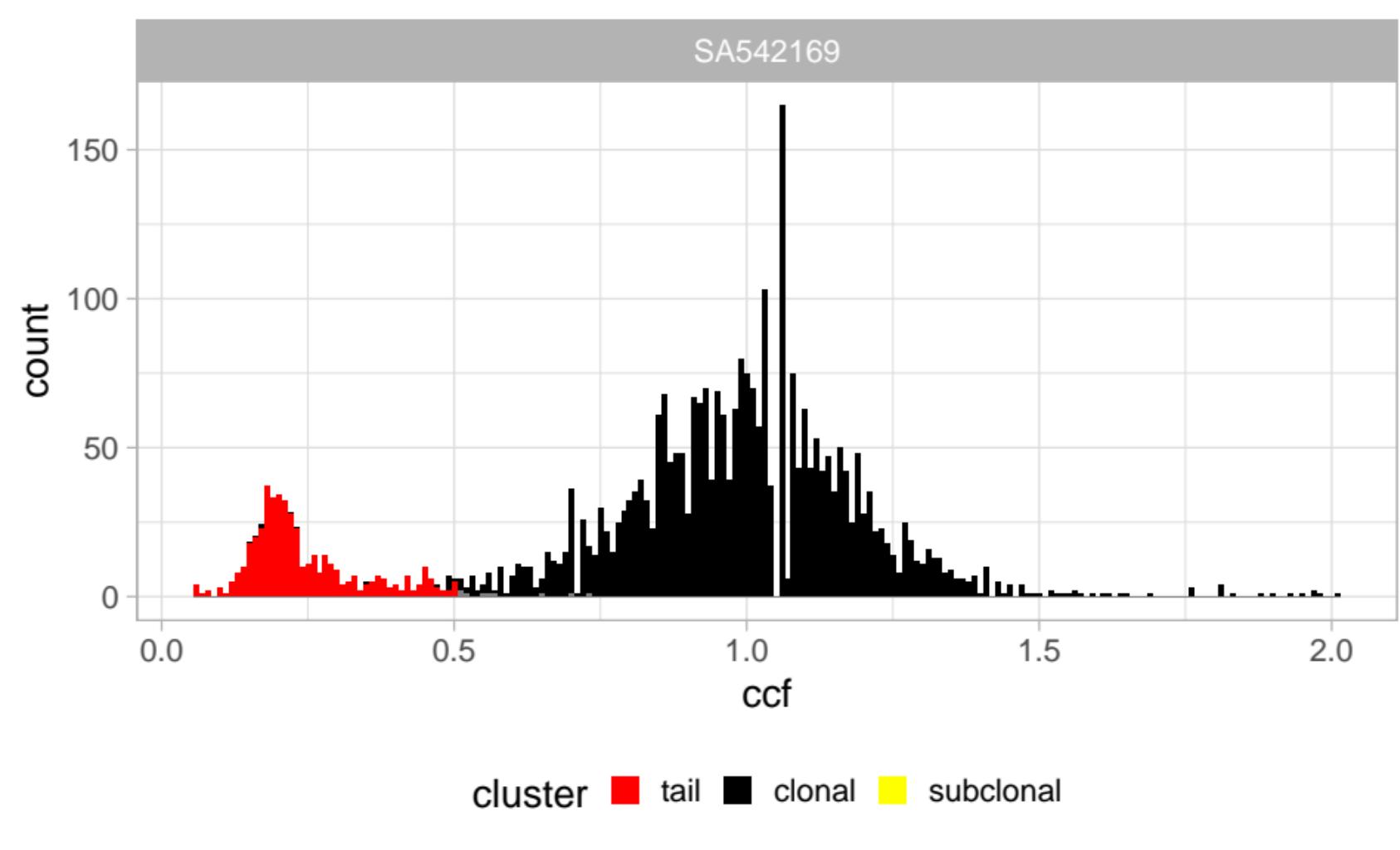
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA321137

count

150

100

50

0

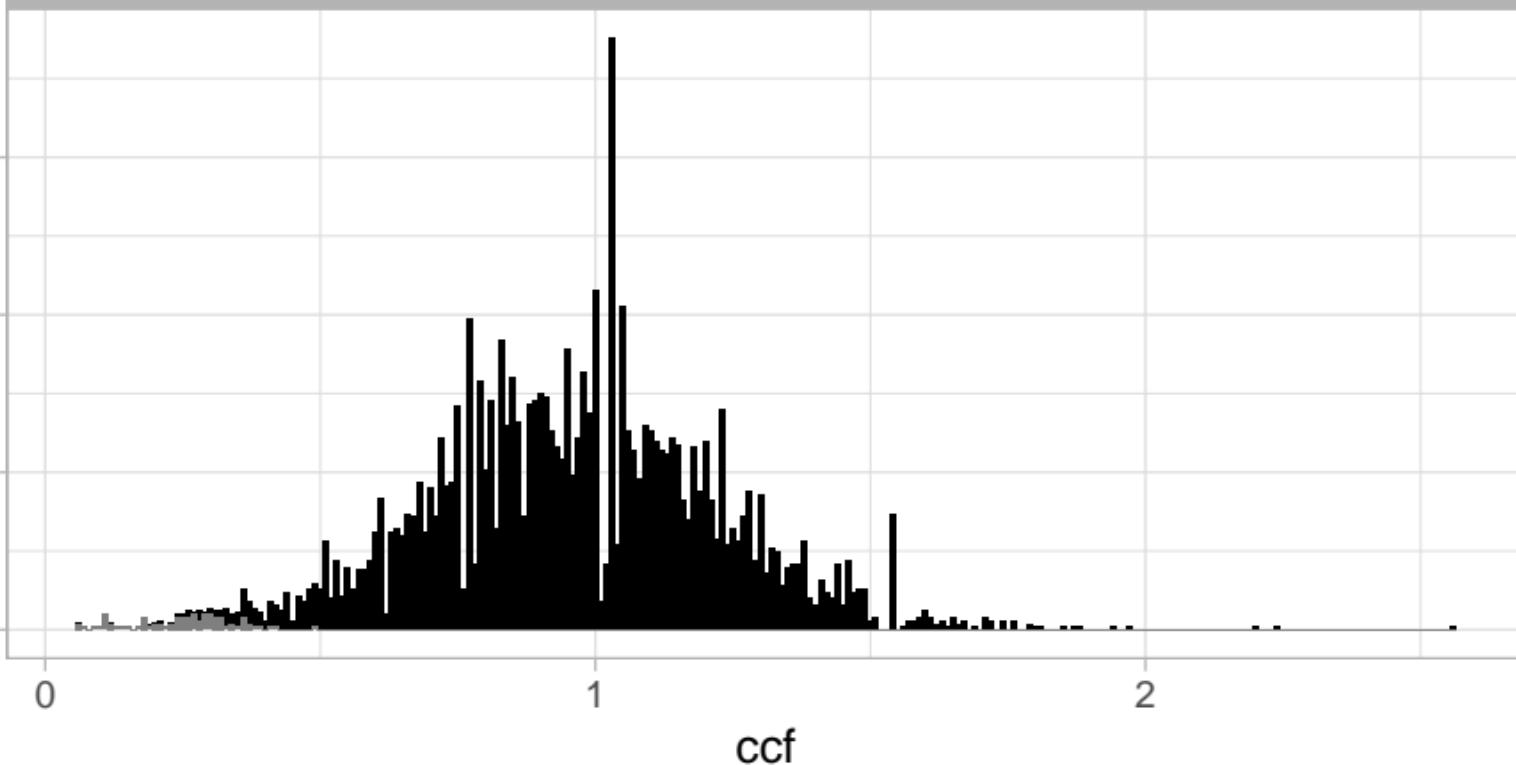
0

1

2

ccf

cluster tail clonal subclonal



SA542205

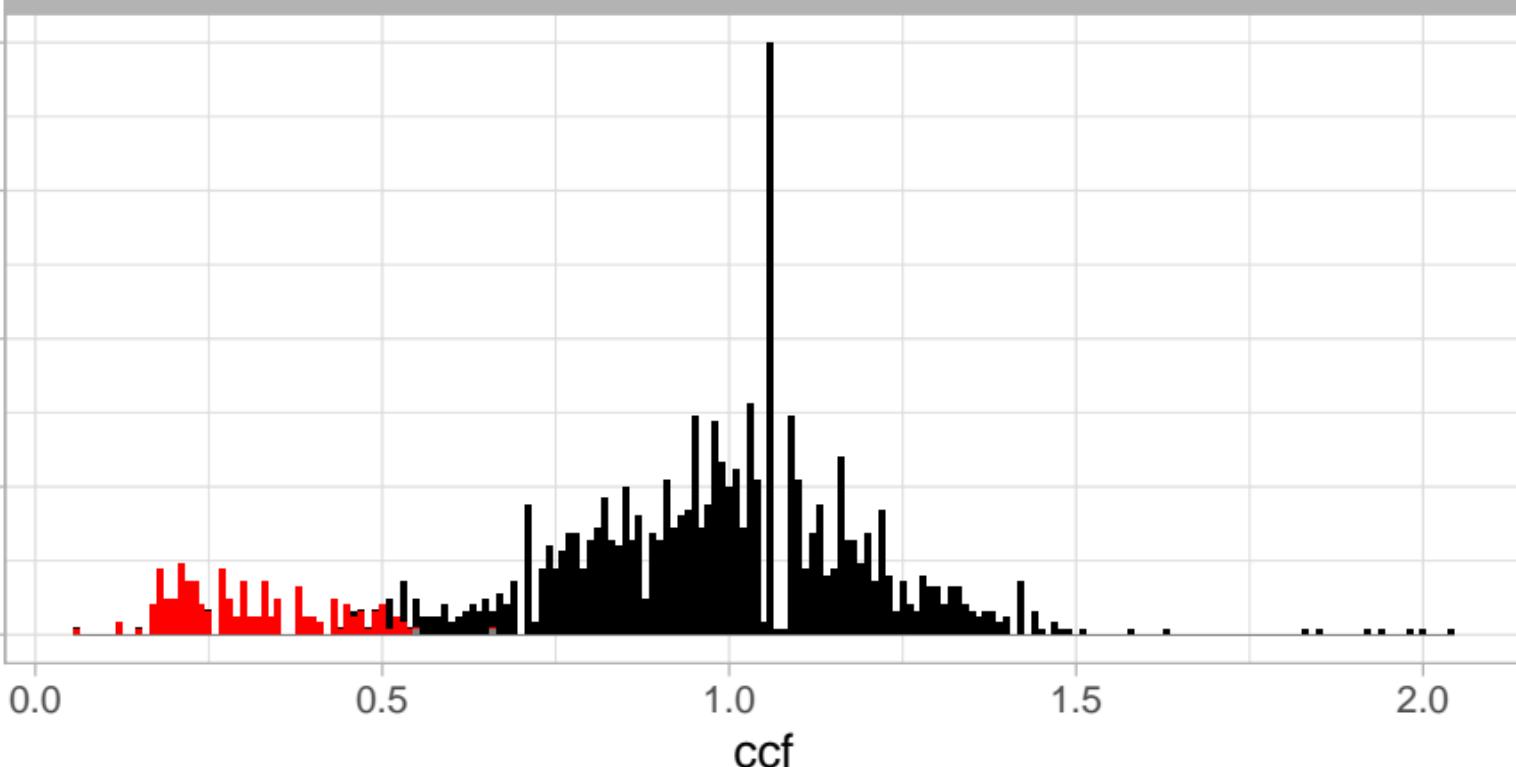
count

100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA86338

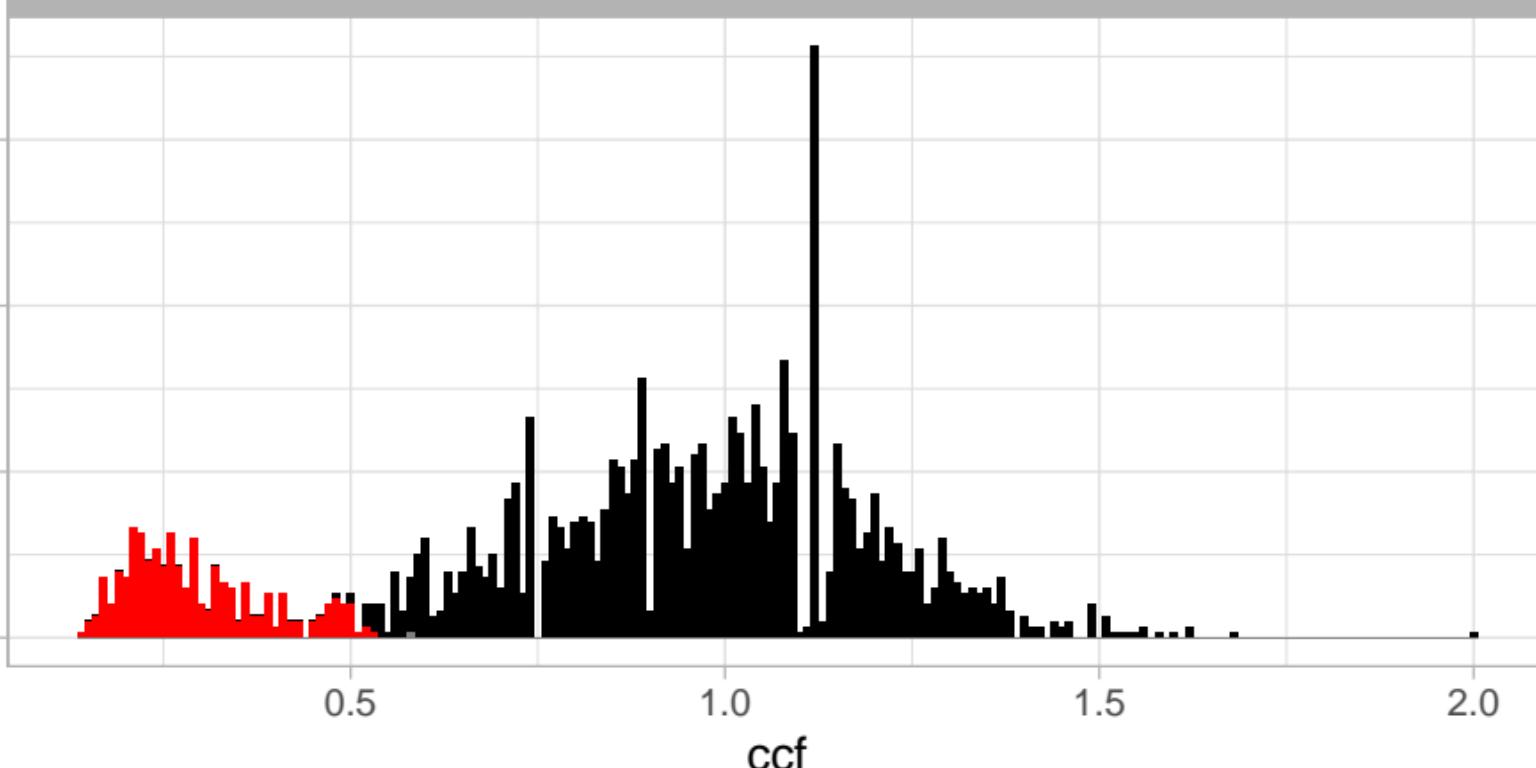
count

90
60
30
0

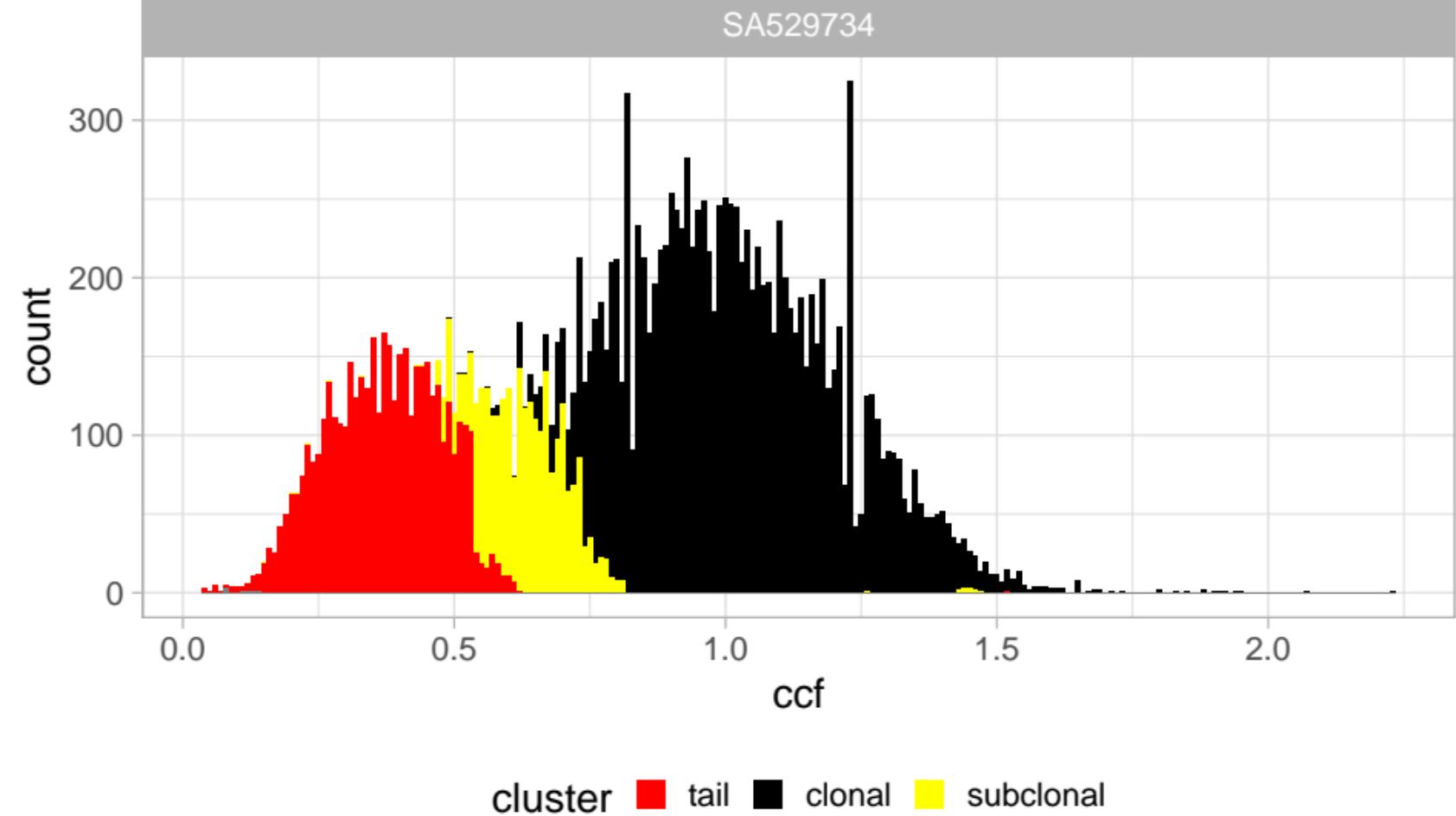
0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

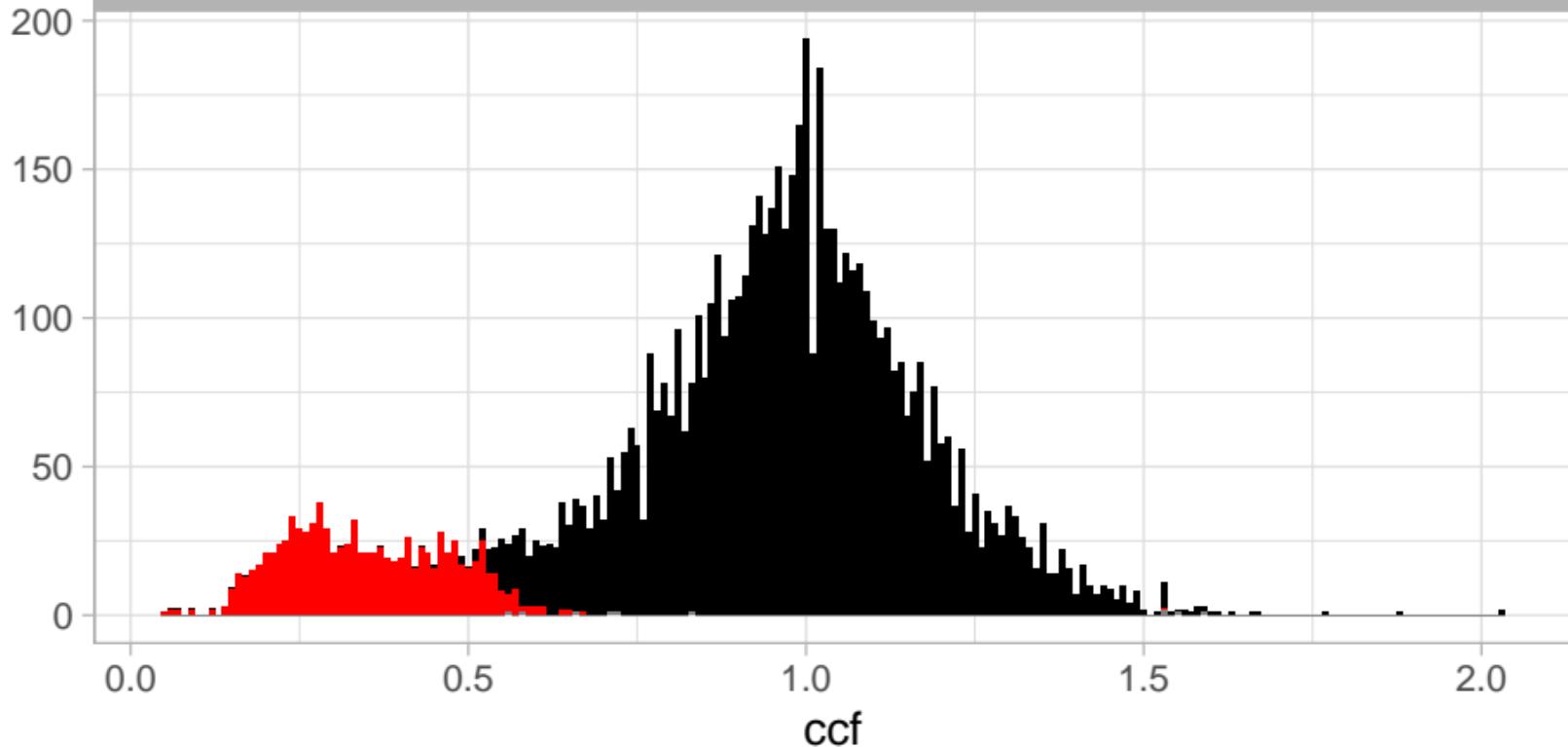


SA529734



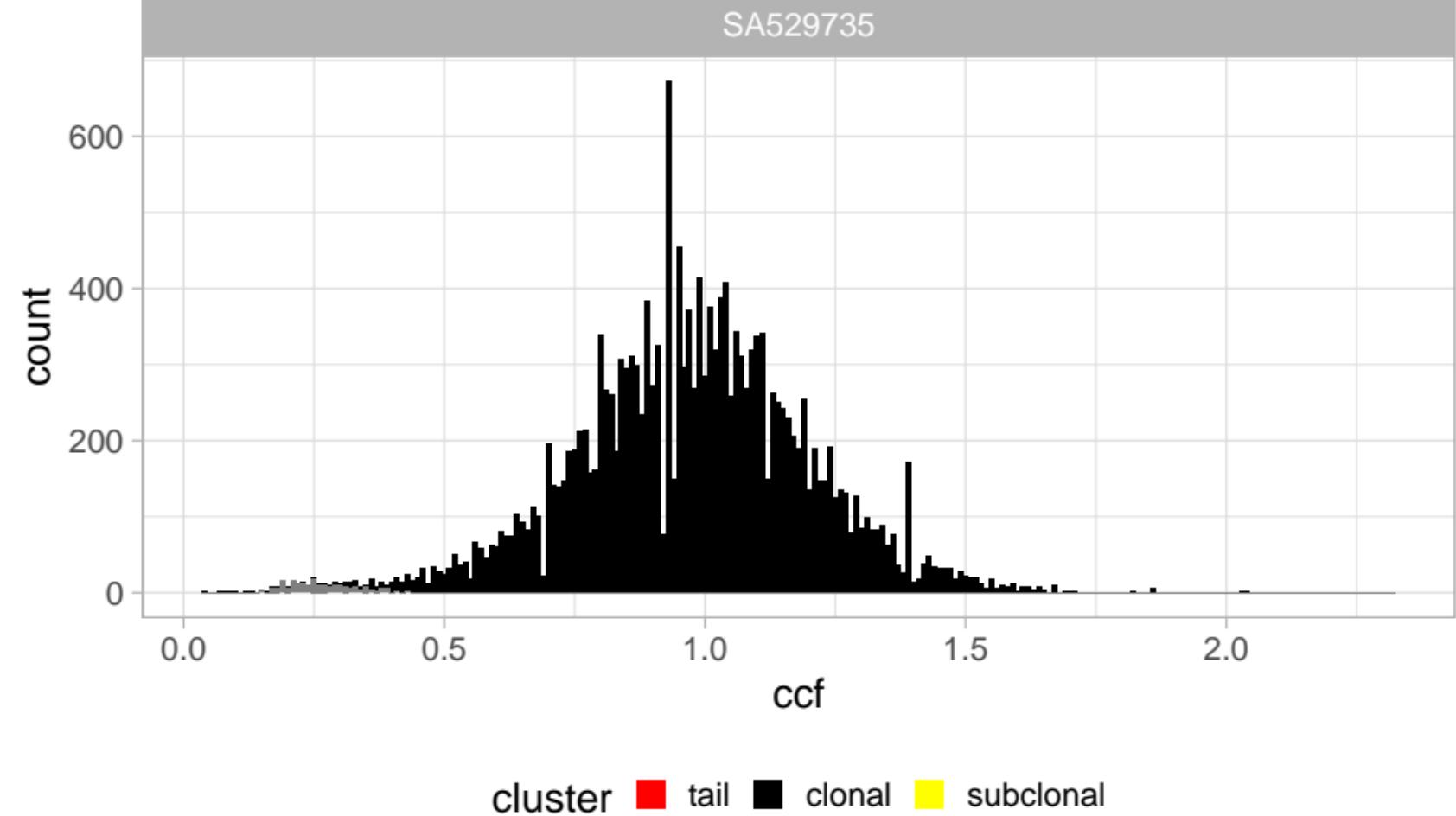
SA520182

count



cluster ■ tail ■ clonal ■ subclonal

SA529735



SA530556

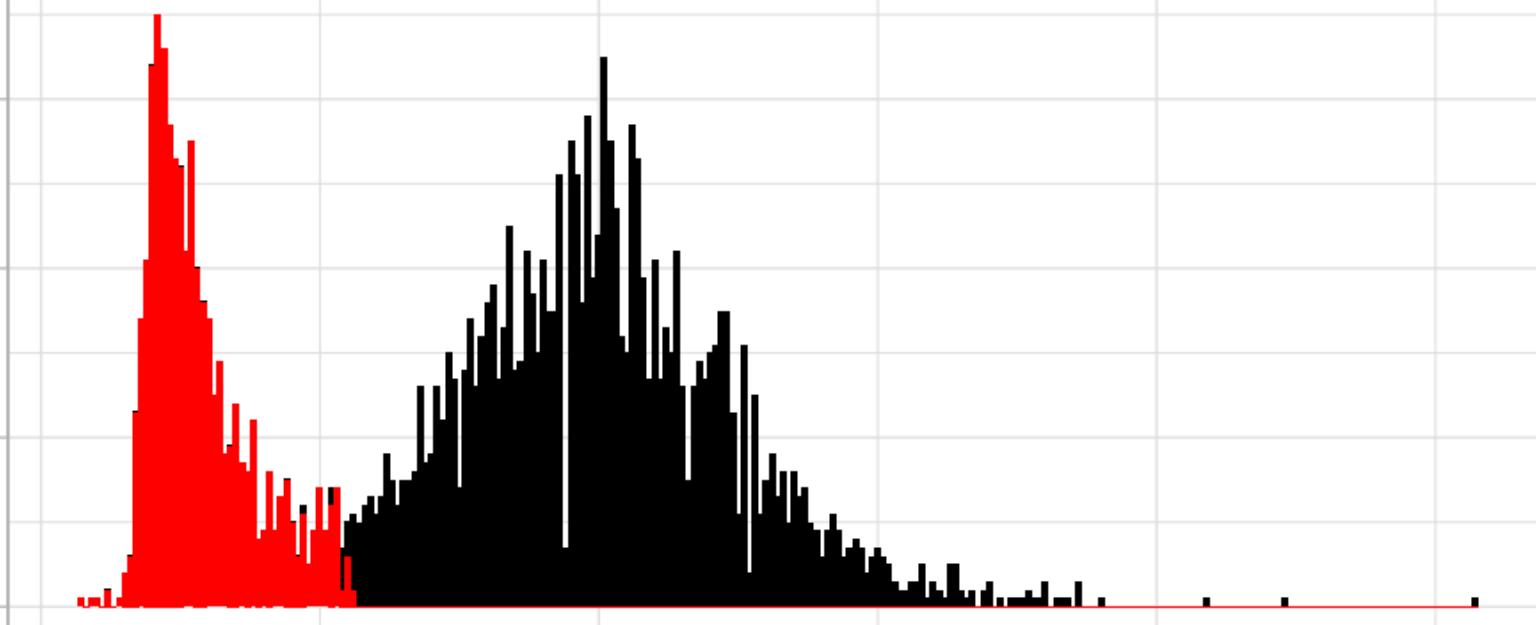
count

60
40
20
0

0 2

ccf

cluster tail clonal subclonal



SA541755

count

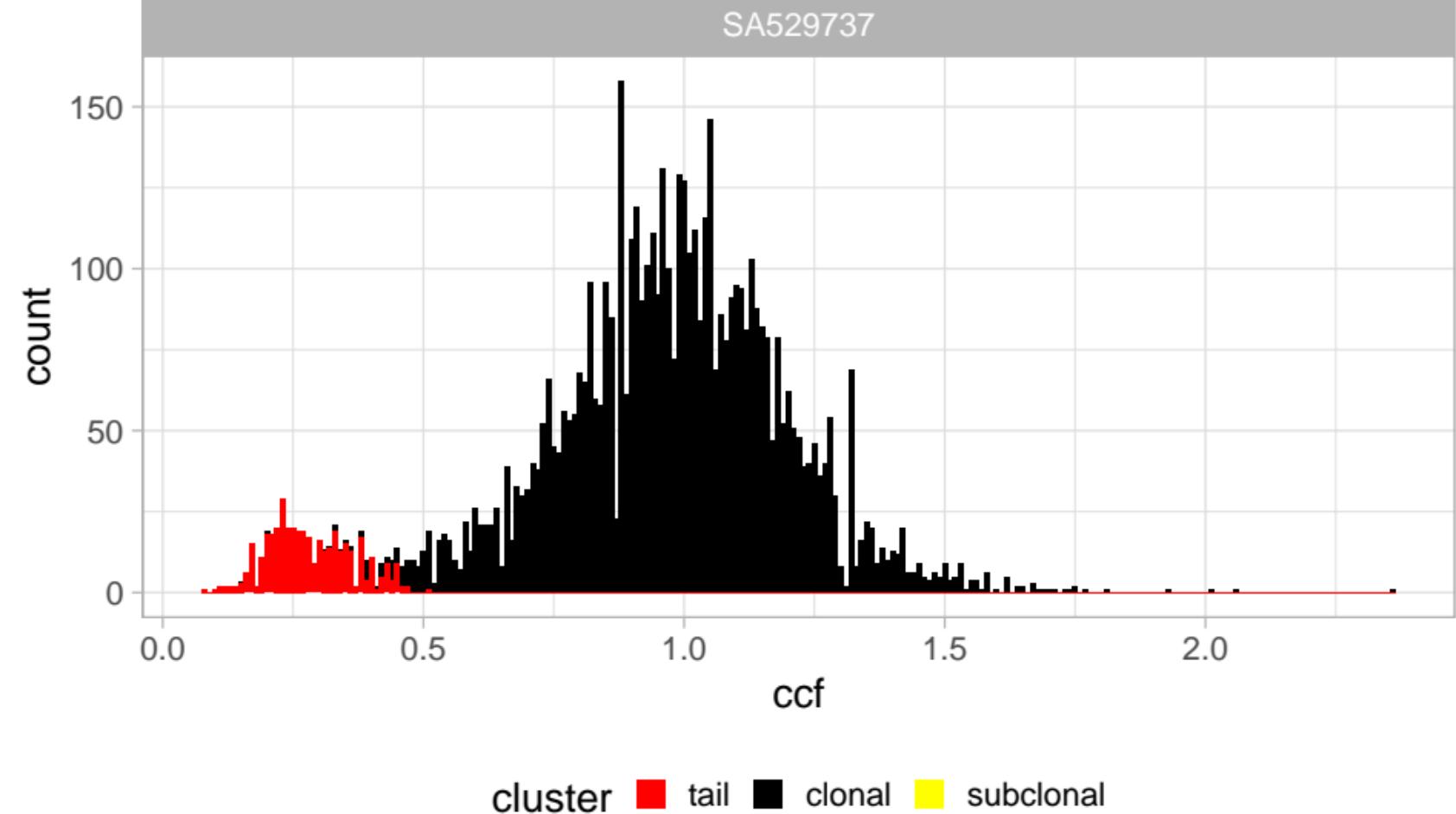
50
40
30
20
10
0

0 1 2

ccf

cluster tail clonal subclonal

SA529737



SA505516

count

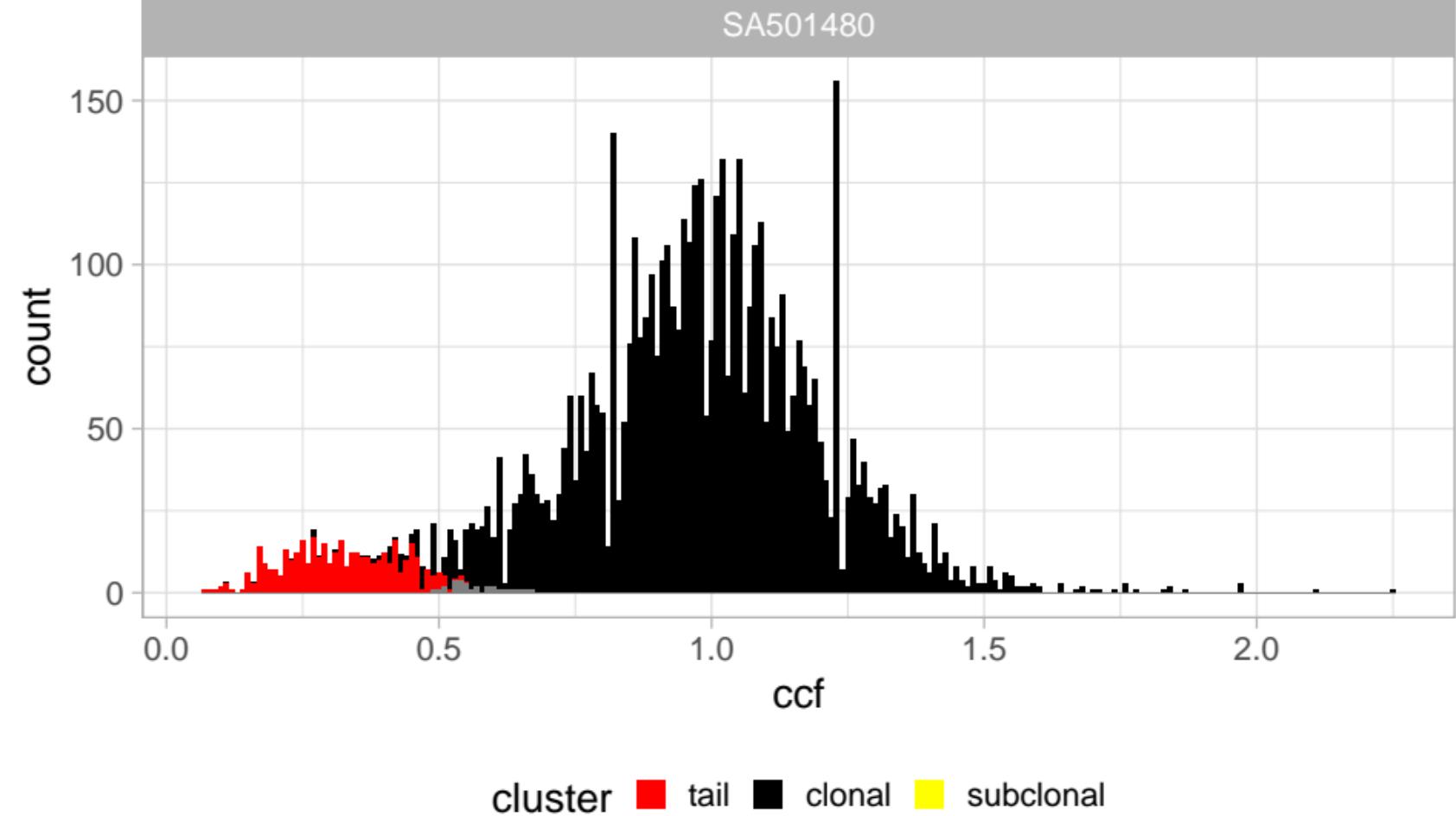
200
100
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA501480



SA528839

count

1000
750
500
250
0

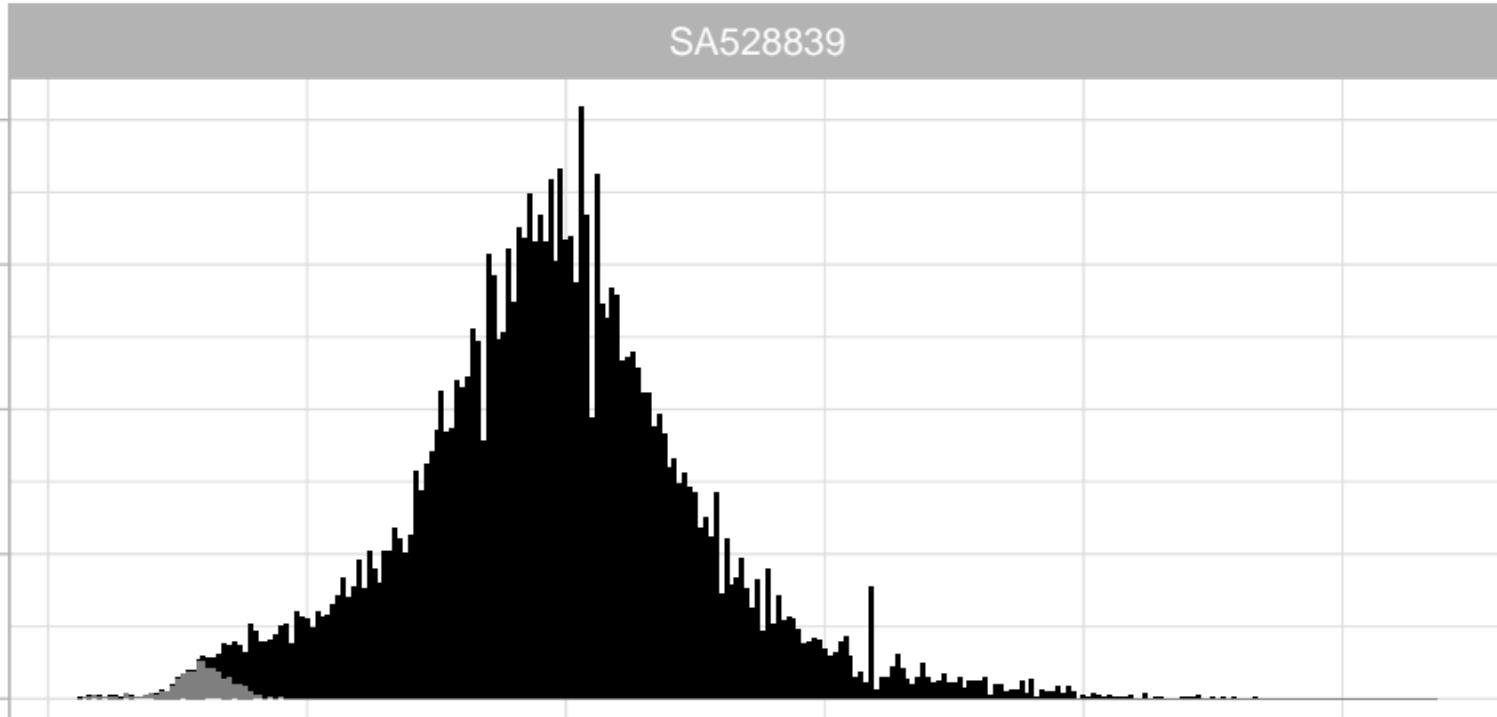
0

1

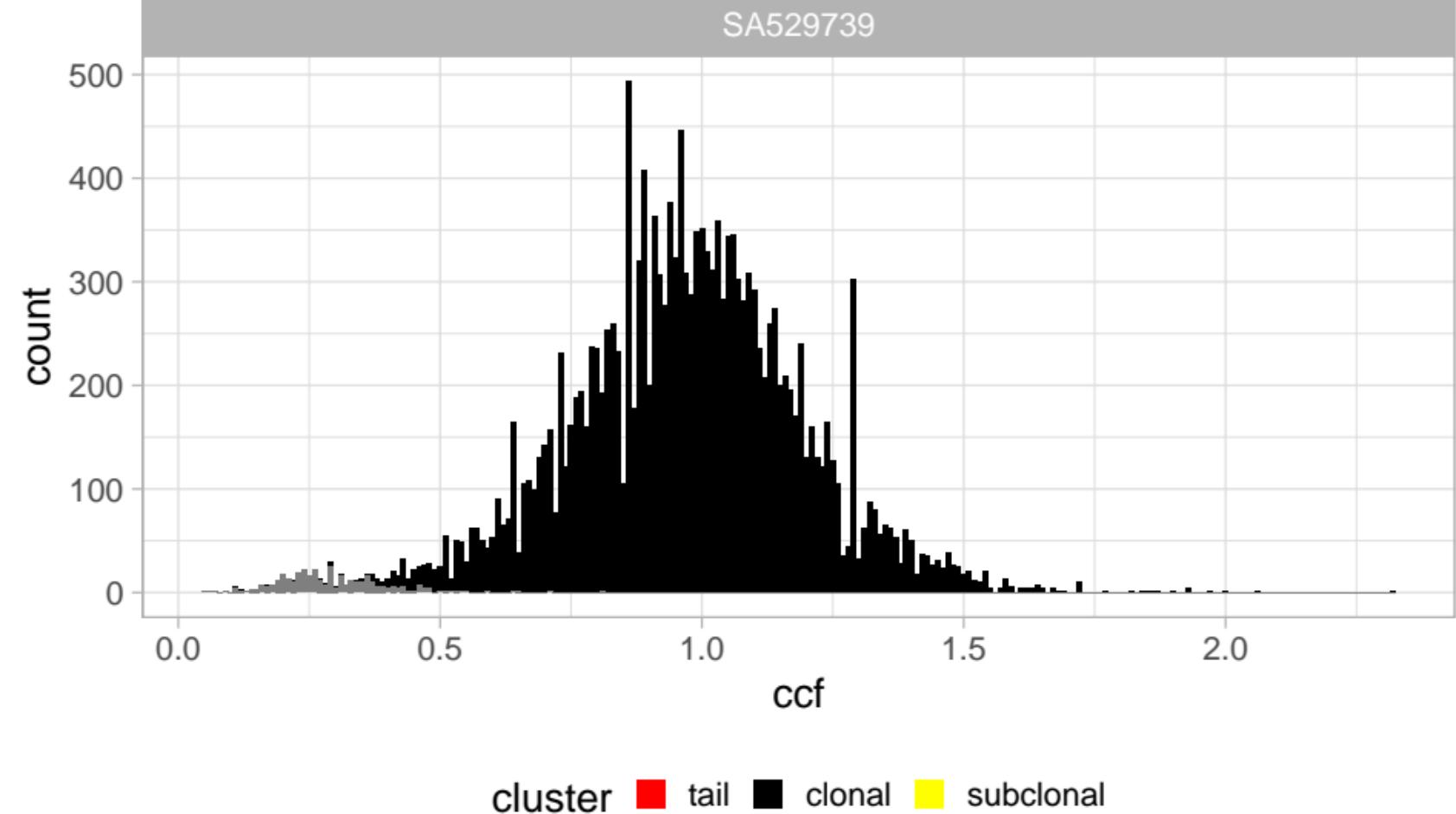
2

ccf

cluster ■ tail ■ clonal ■ subclonal

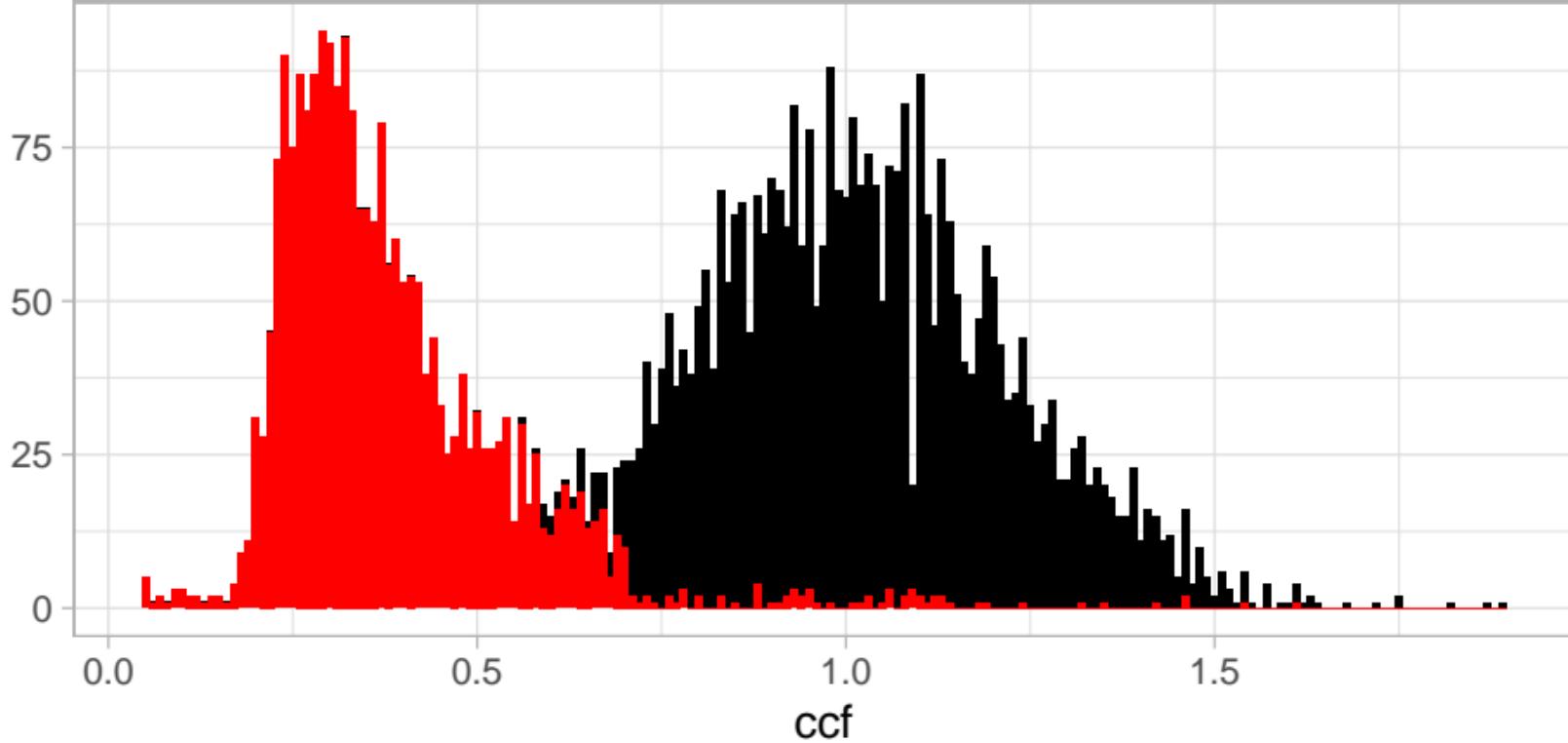


SA529739



SA533750

count



cluster ■ tail ■ clonal ■ subclonal

SA501409

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA414159

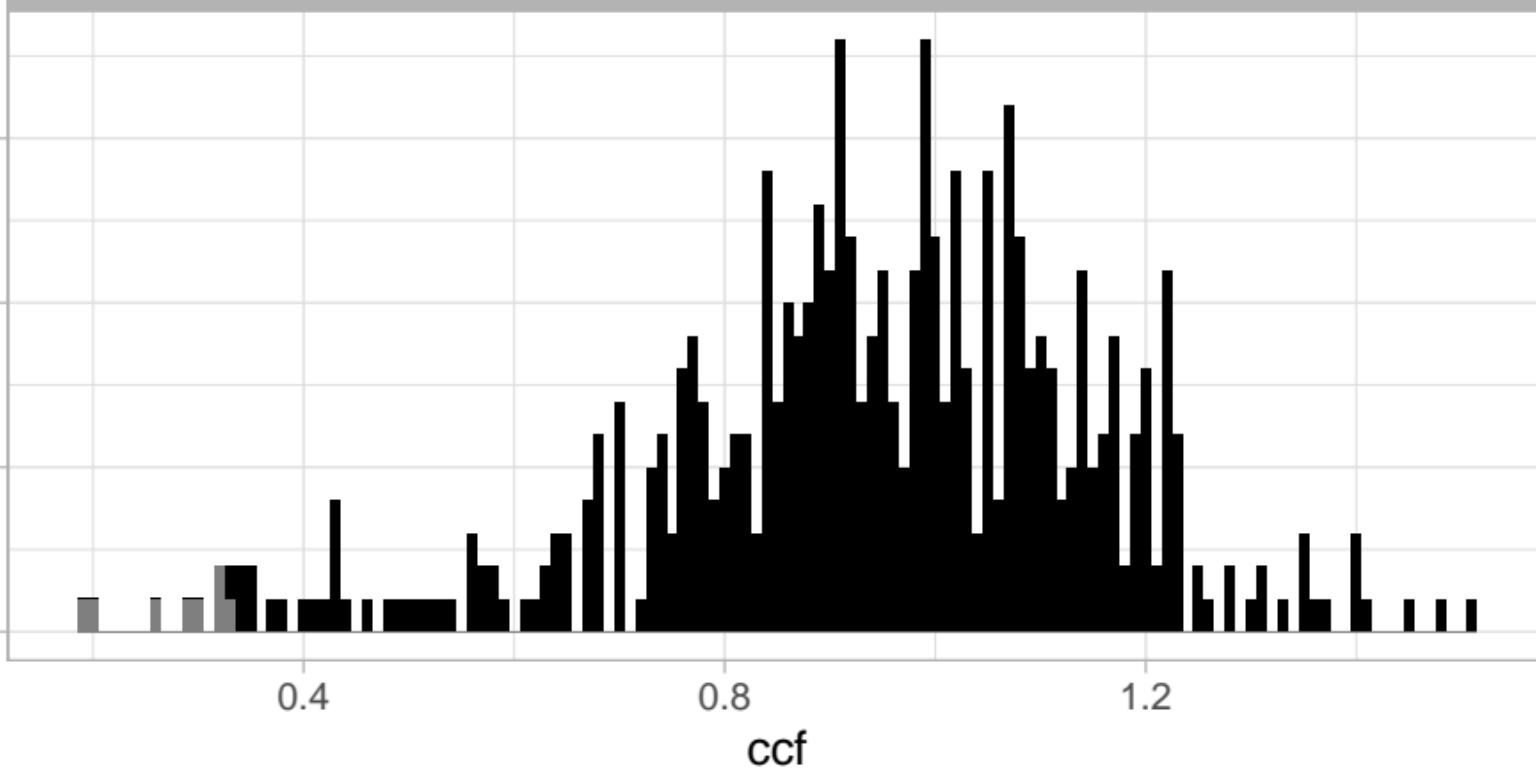
count

15
10
5
0

0.4 1.2

ccf

cluster tail clonal subclonal



SA530532

count

75

50

25

0

0.0

0.5

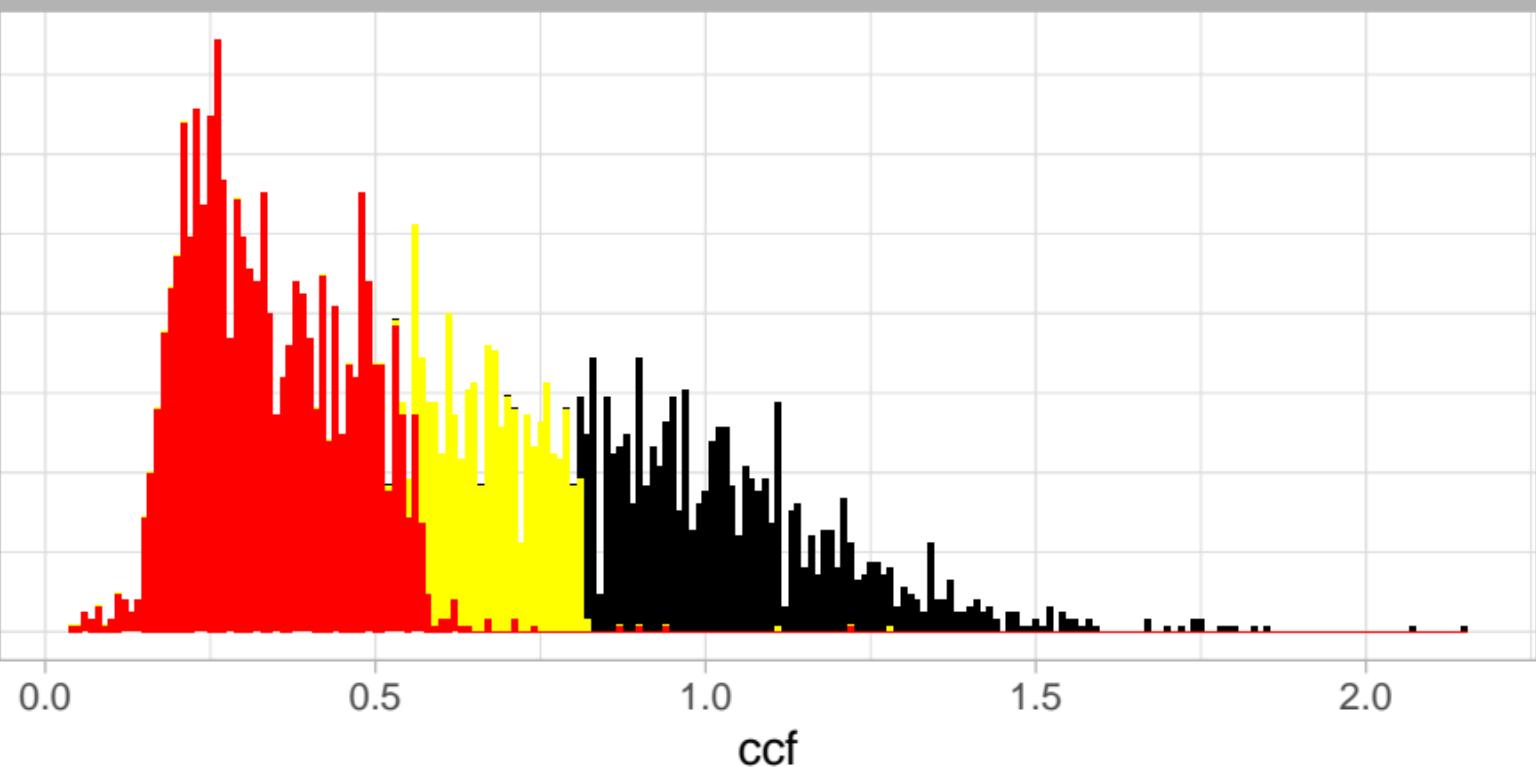
1.0

1.5

2.0

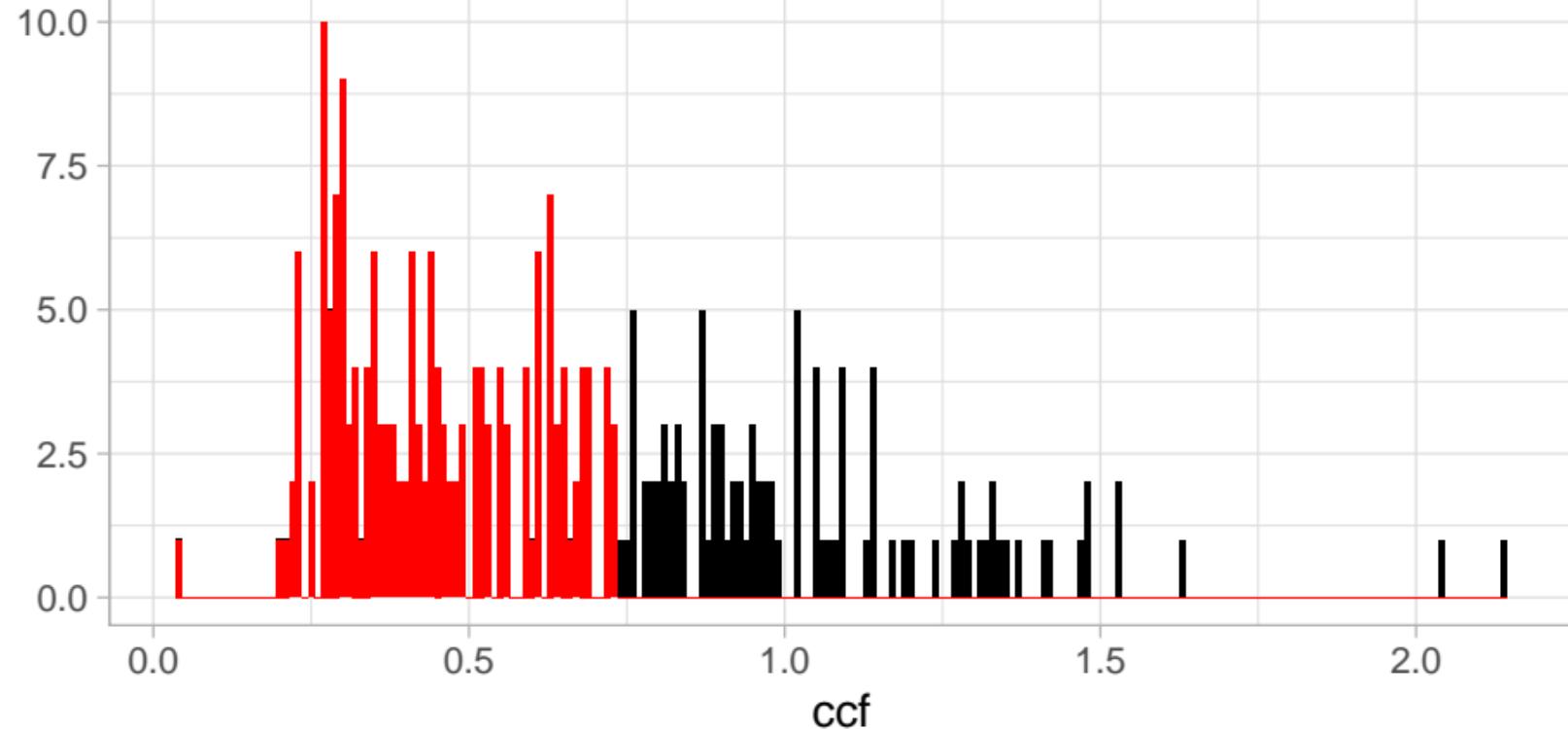
ccf

cluster tail clonal subclonal



SA413734

count



cluster ■ tail ■ clonal ■ subclonal

SA86594

count

150

100

50

0

0.0

0.5

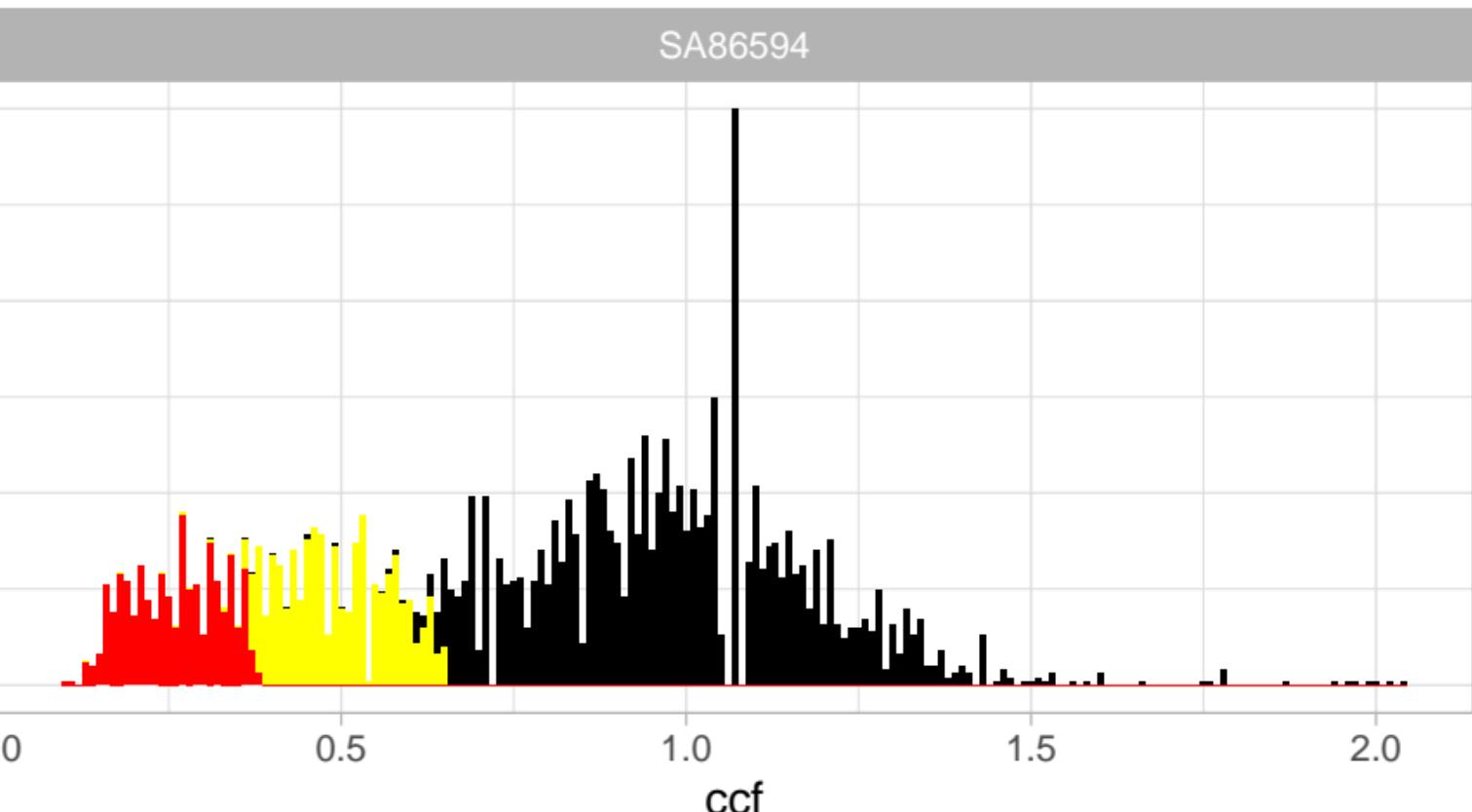
1.0

1.5

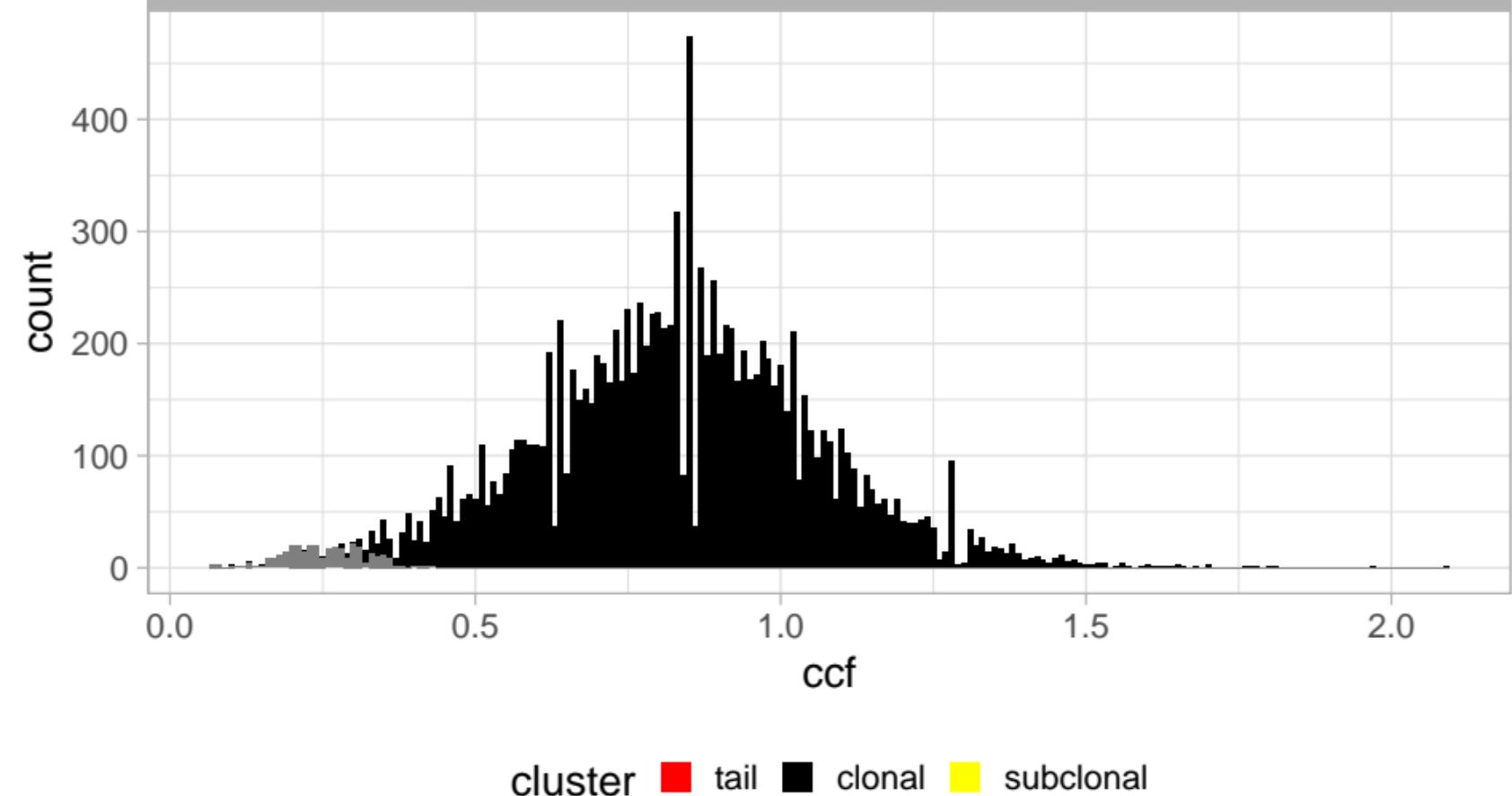
2.0

ccf

cluster tail clonal subclonal

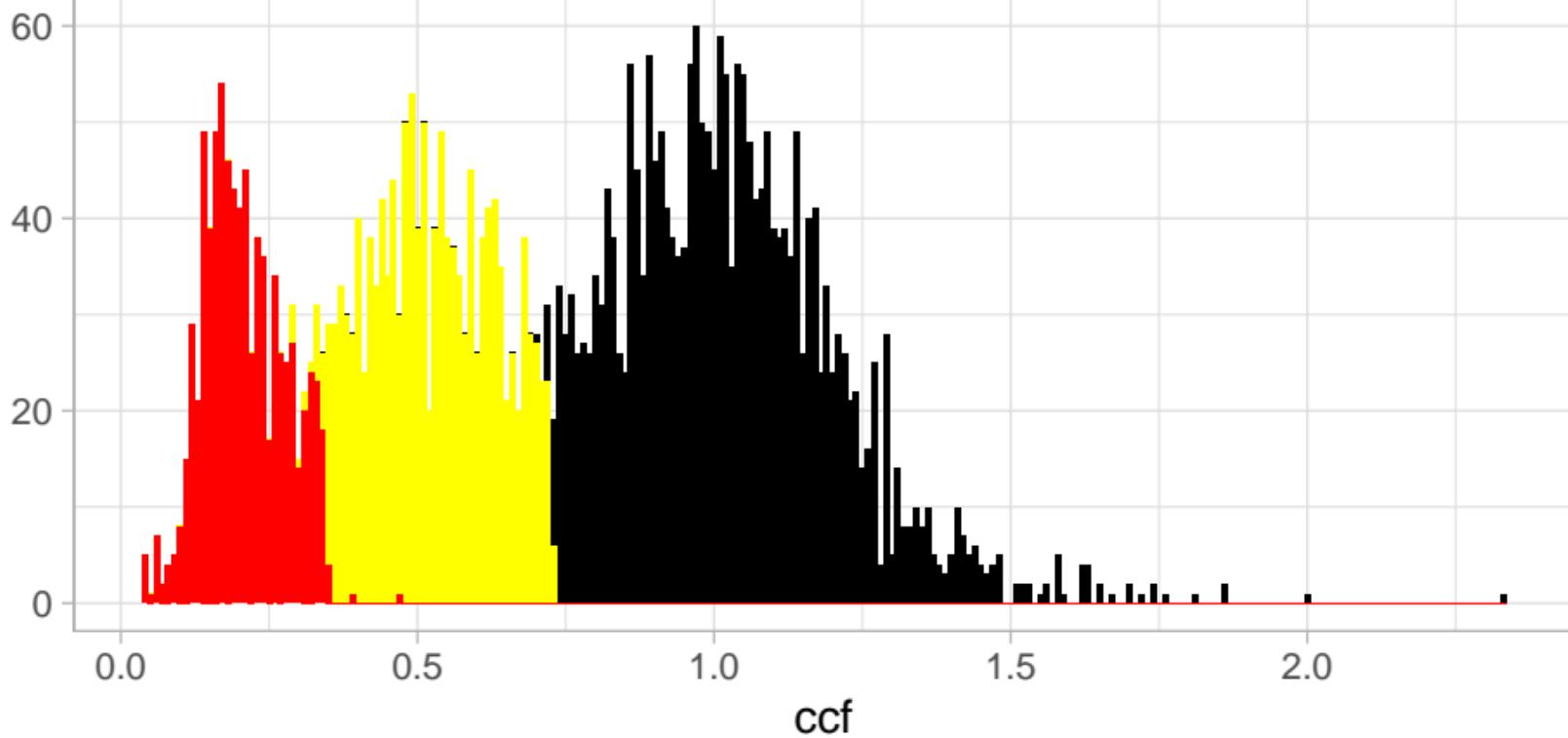


SA529741



SA530514

count



cluster ■ tail ■ clonal ■ subclonal

SA520193

count

100
50
0

0.0

0.5

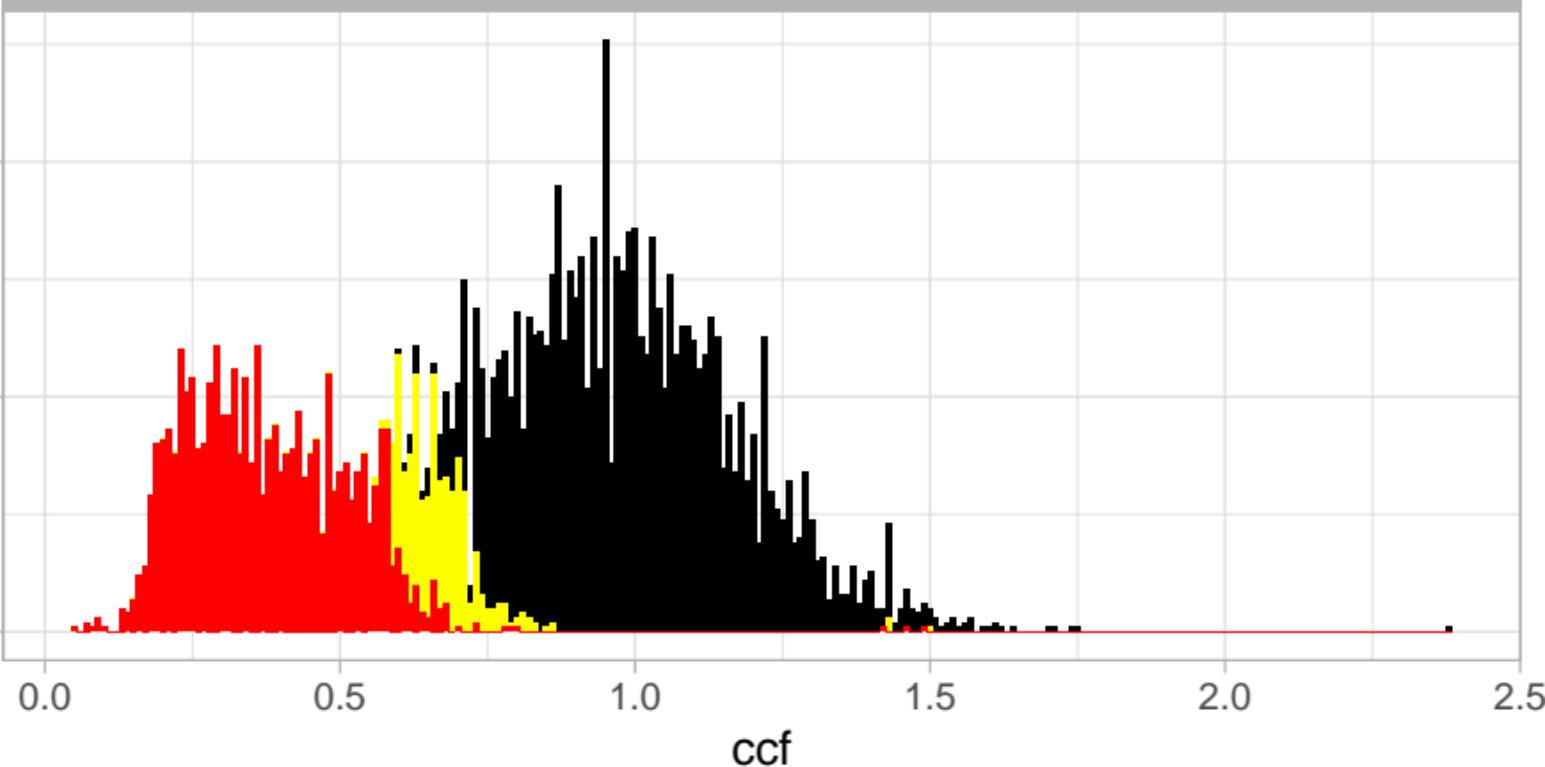
1.5

2.0

2.5

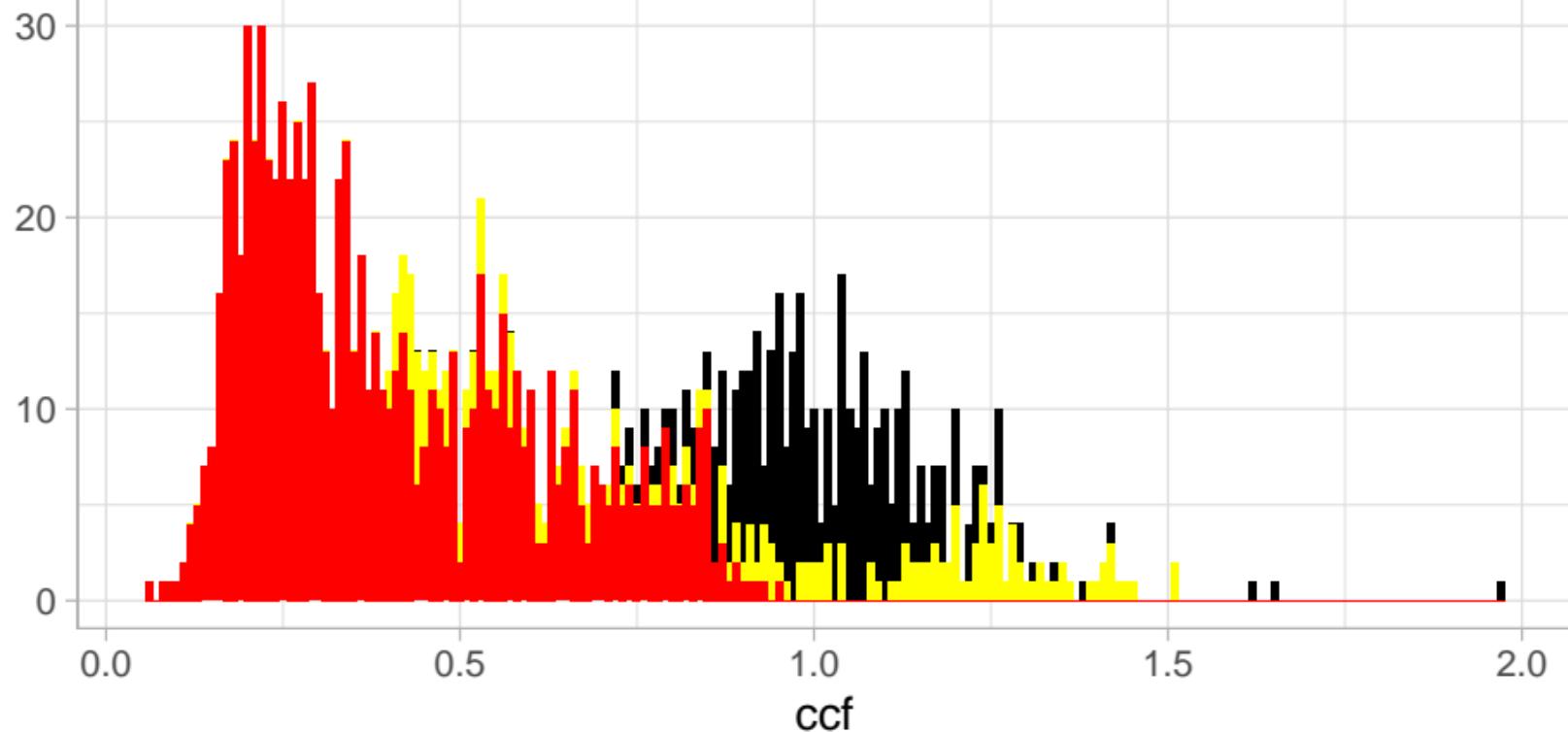
ccf

cluster ■ tail ■ clonal ■ subclonal



SA514905

count



cluster ■ tail ■ clonal ■ subclonal

SA501484

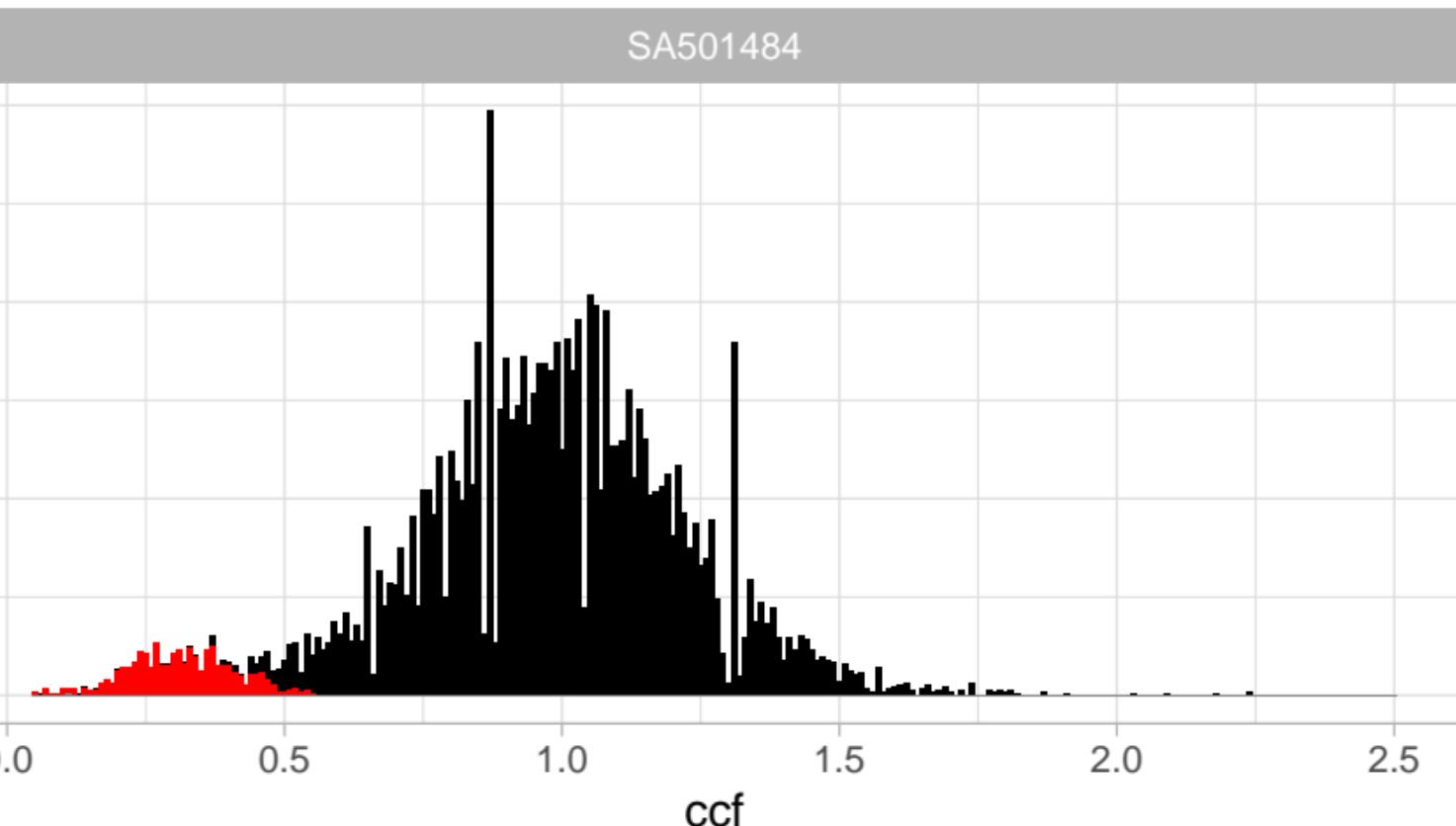
count

600
400
200
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA507302

count

150
100
50
0

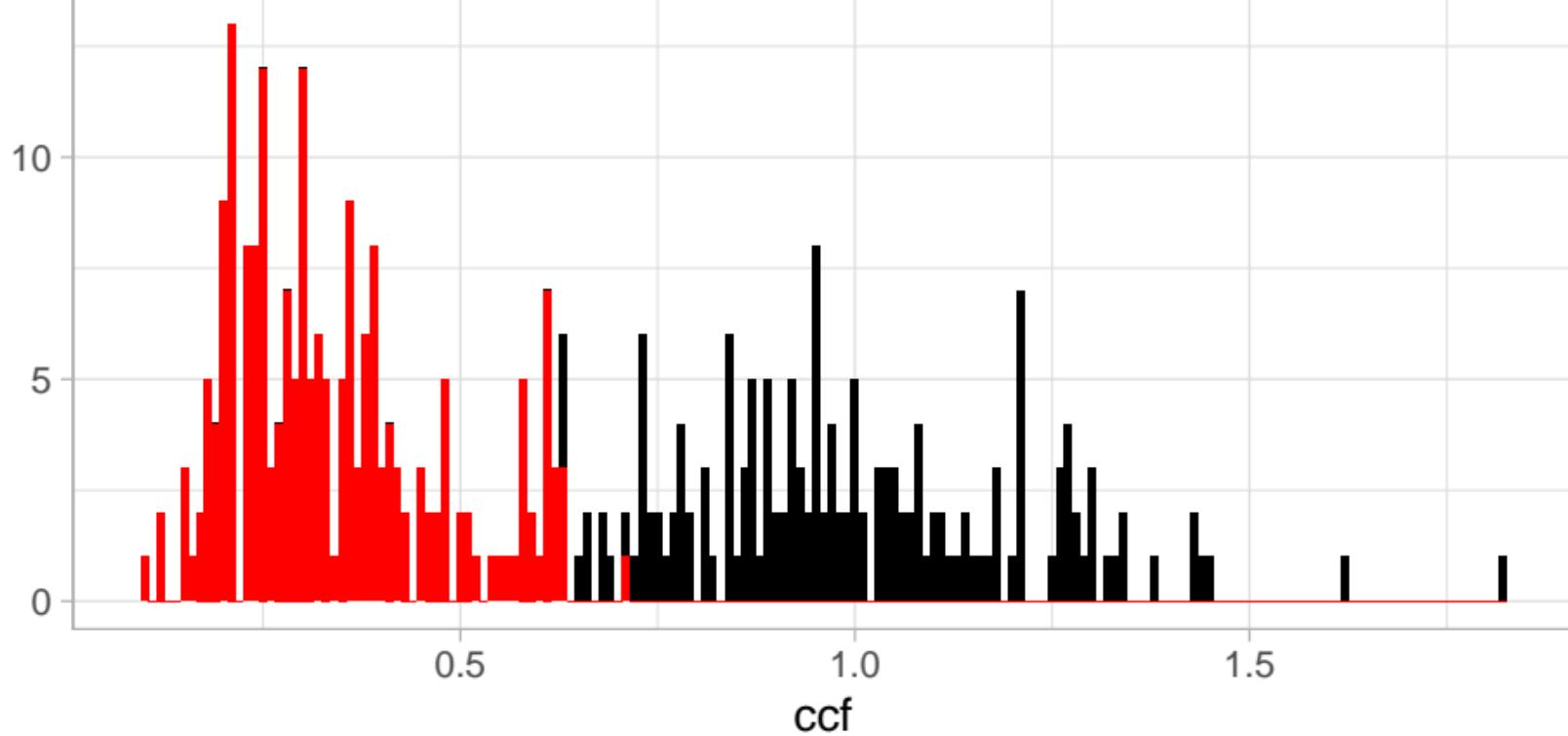
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

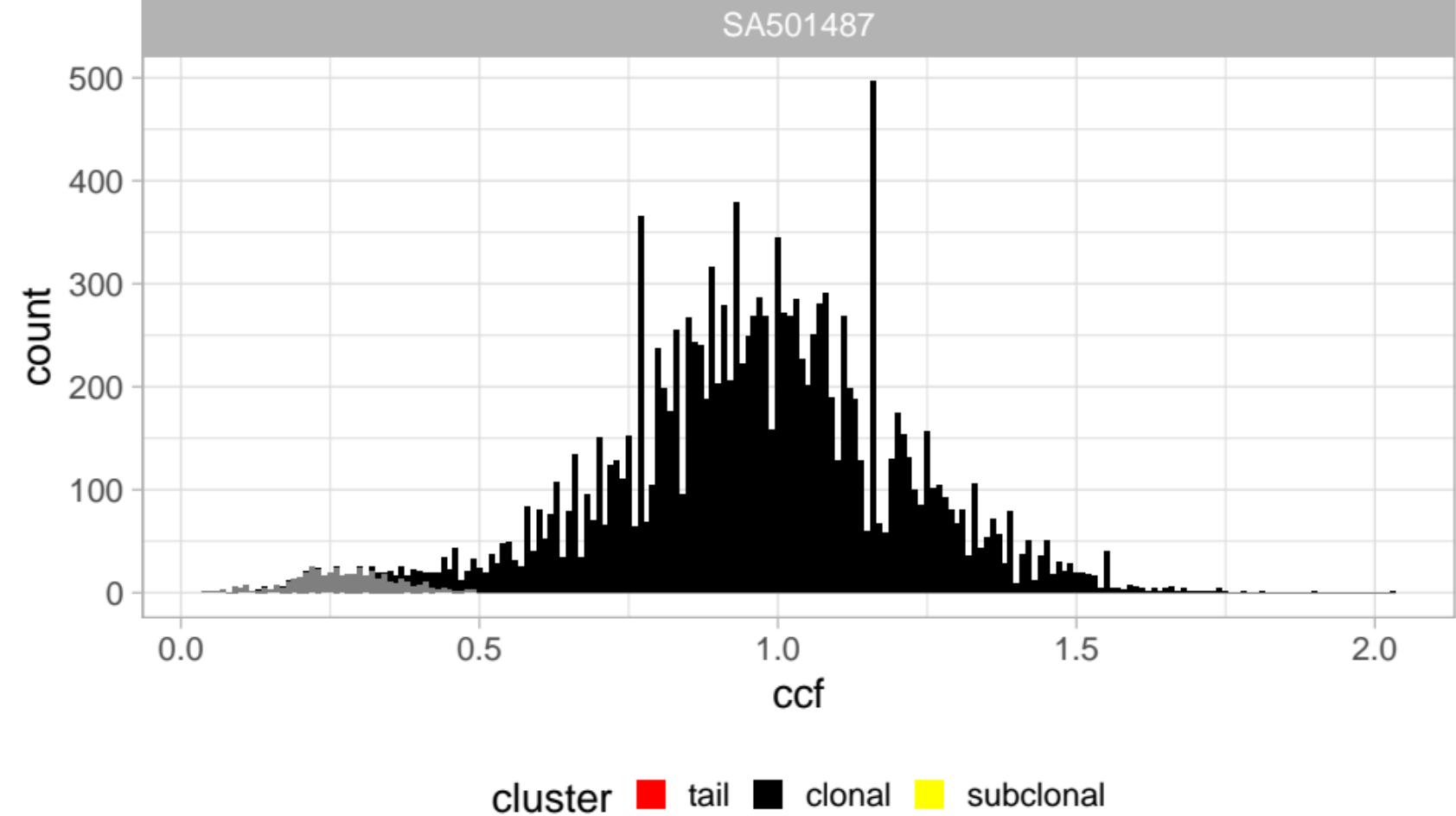
SA413894

count



cluster ■ tail ■ clonal ■ subclonal

SA501487



SA530483

count

40

20

0

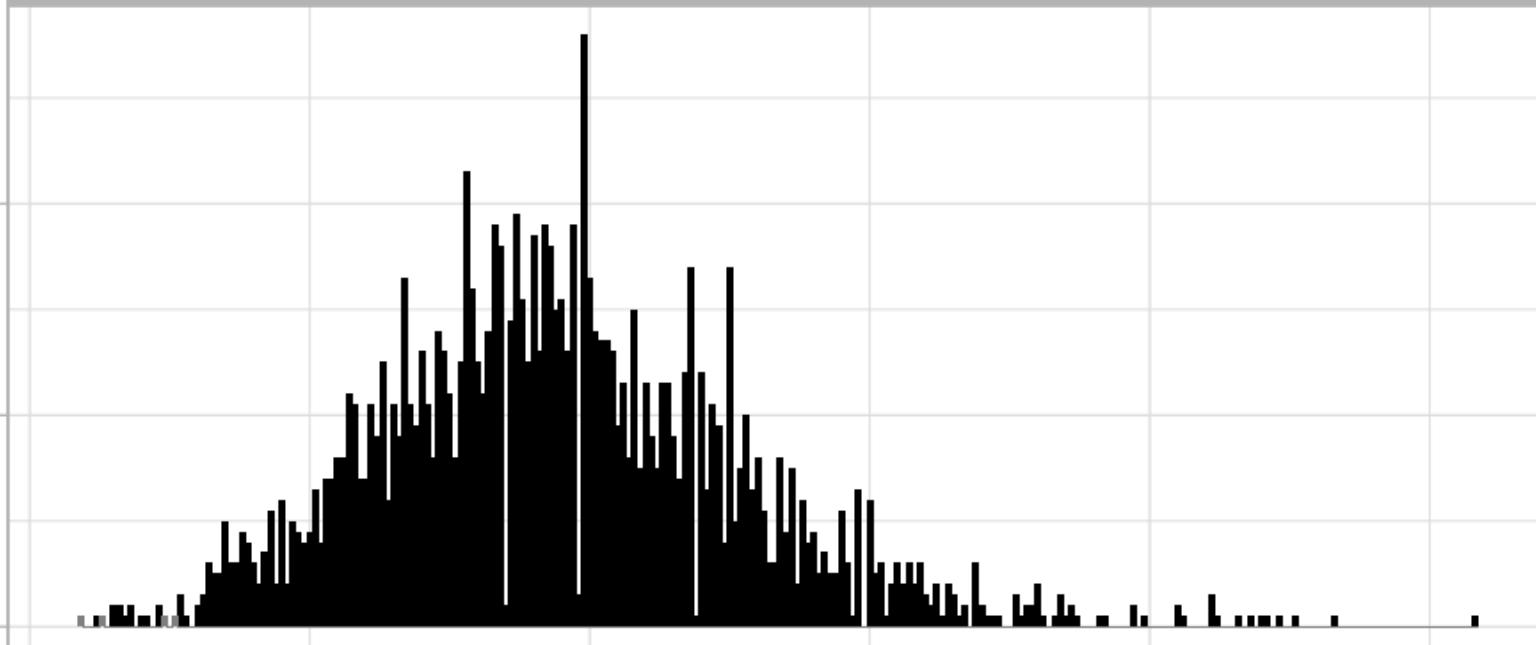
0

1

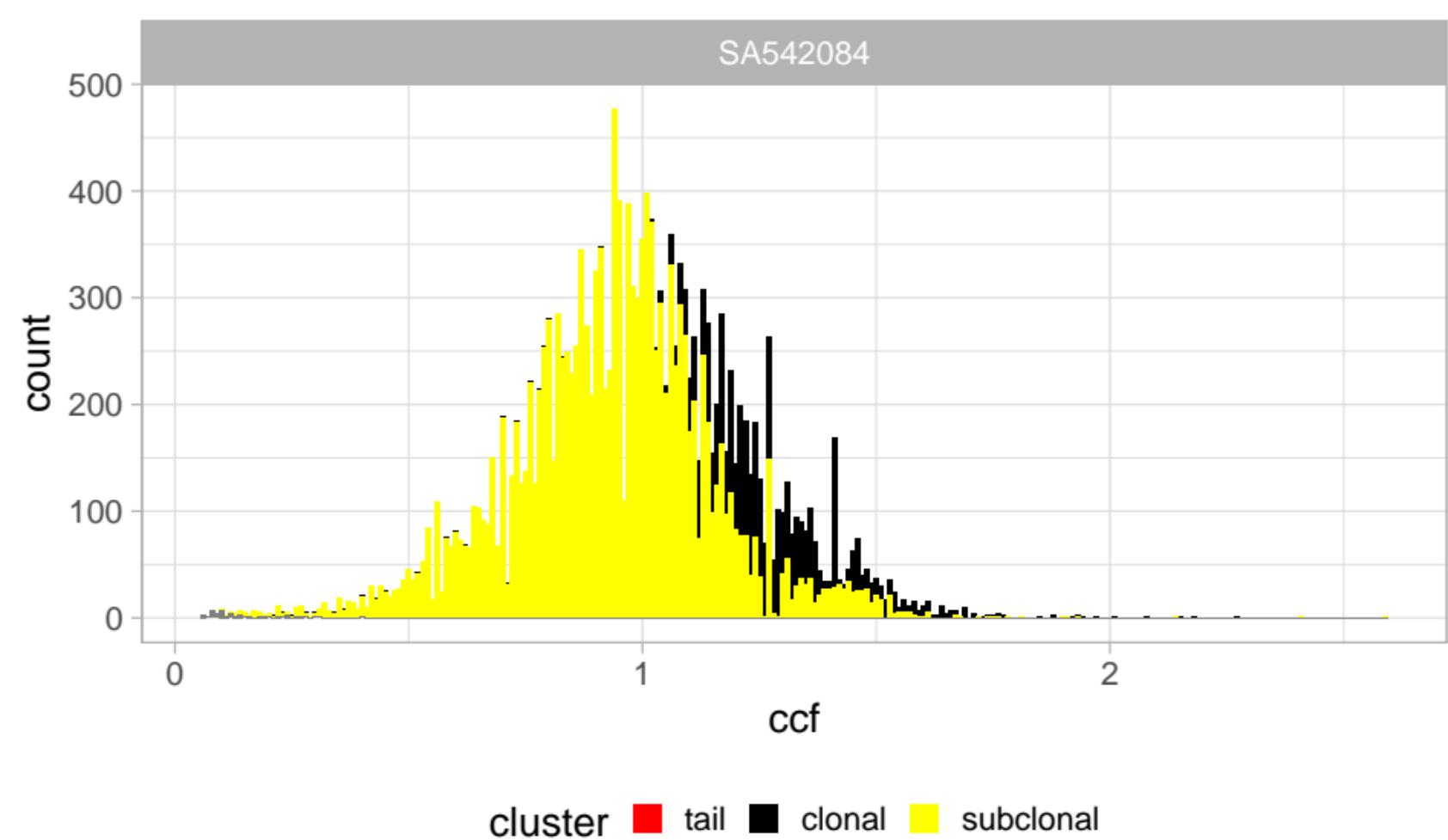
2

ccf

cluster tail clonal subclonal



SA542084



cluster ■ tail ■ clonal ■ subclonal

SA533744

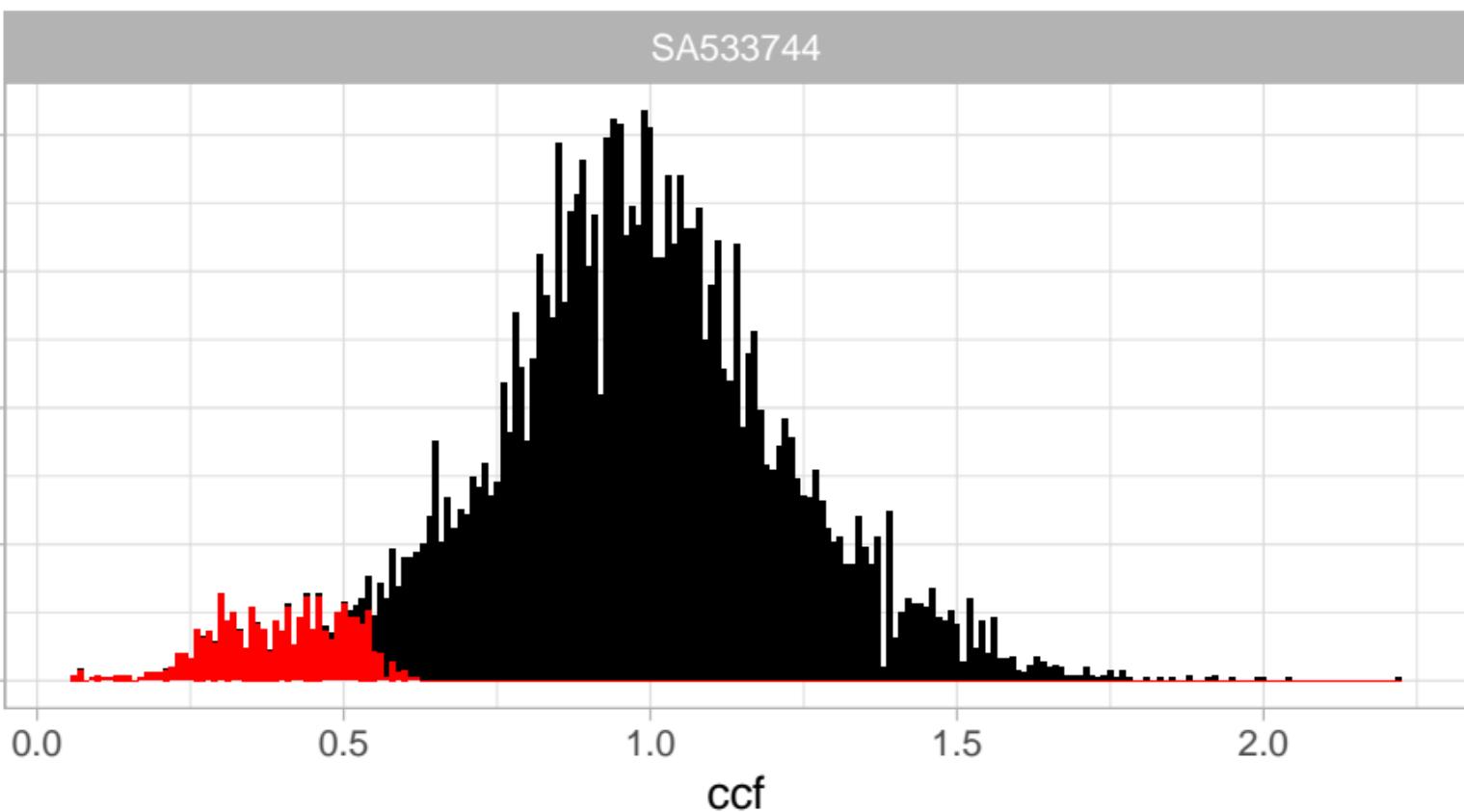
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA505711

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA499815

count

1500
1000
500
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533625

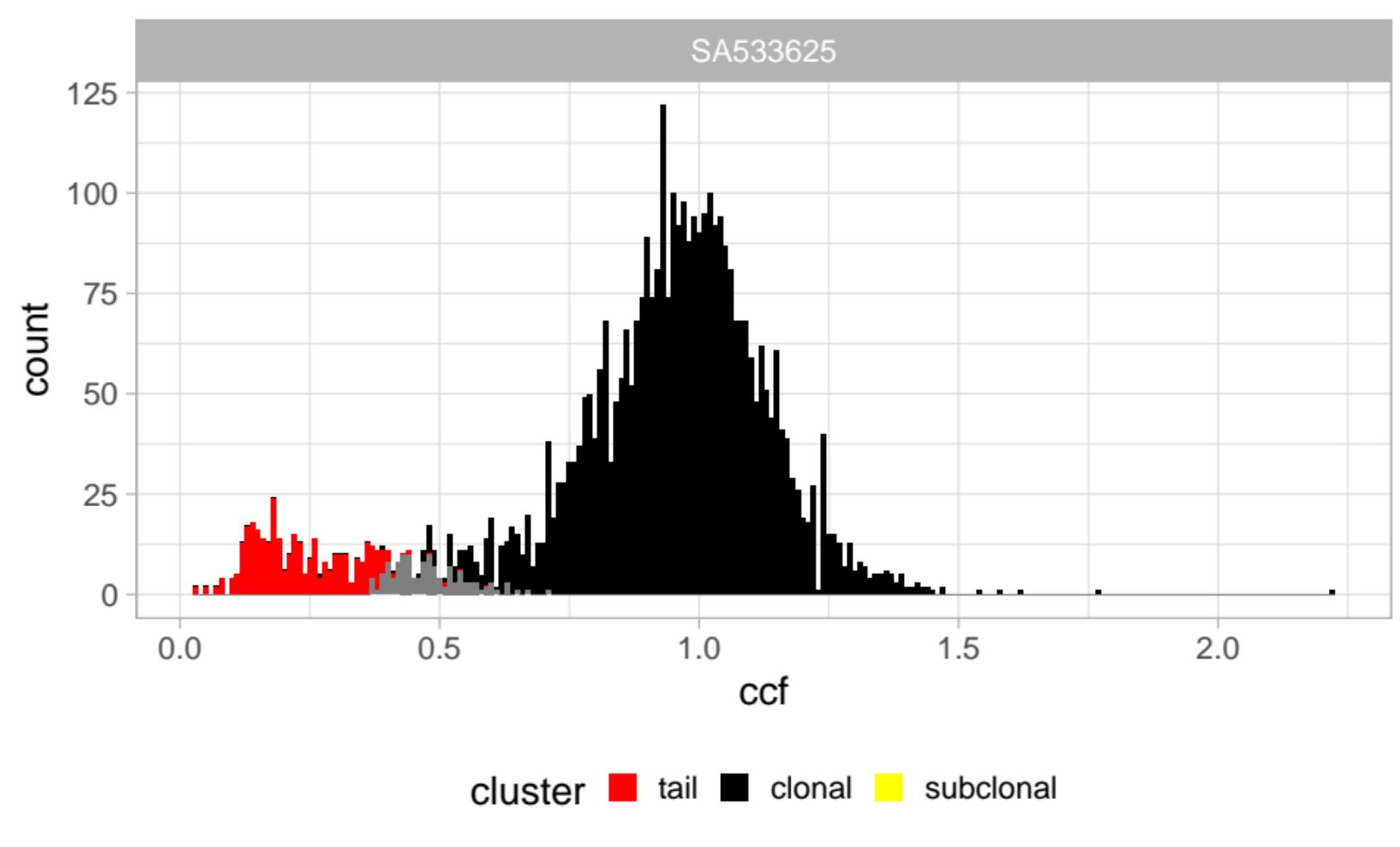
count

125
100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413684

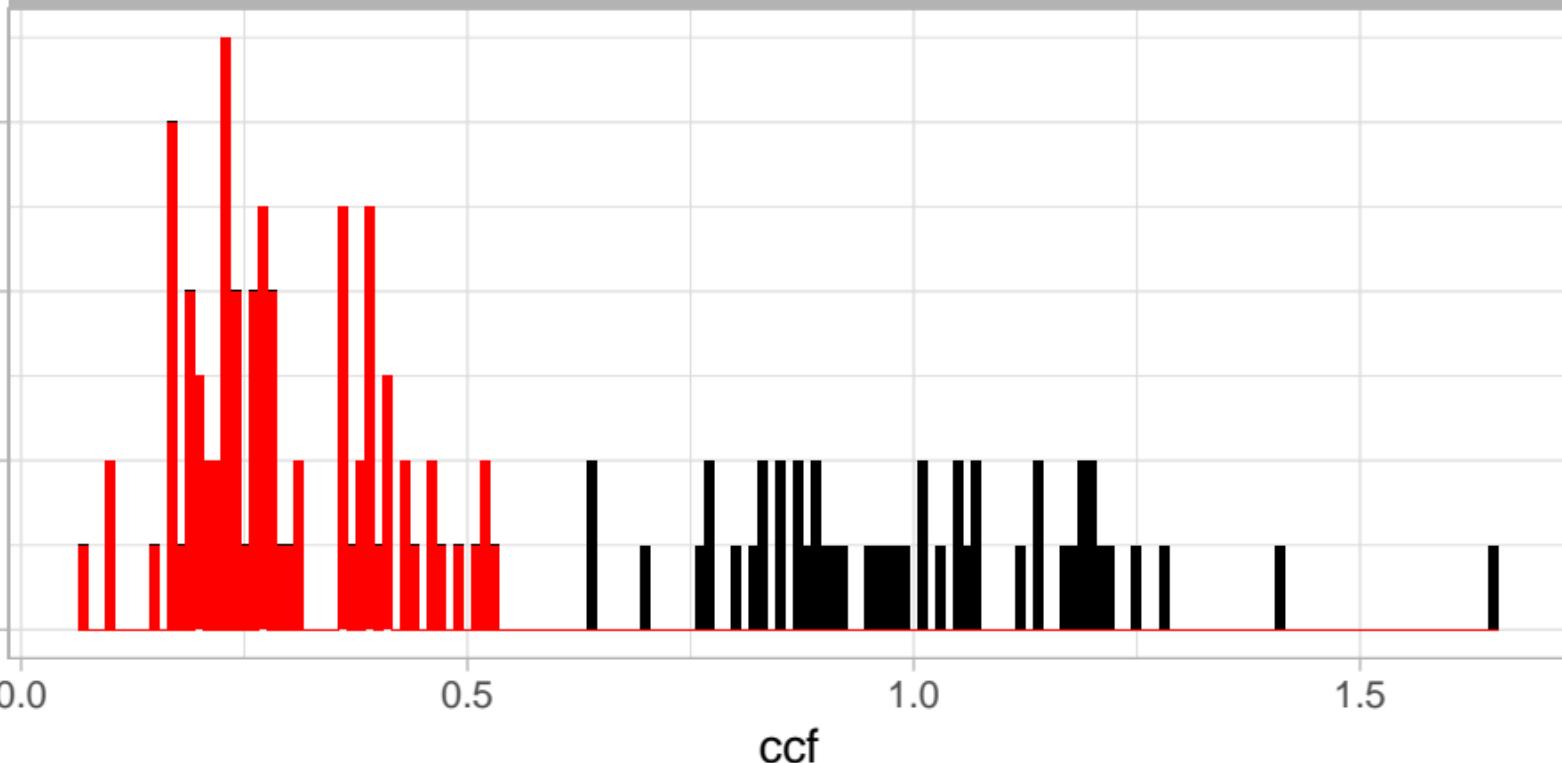
count

6
4
2
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA529747

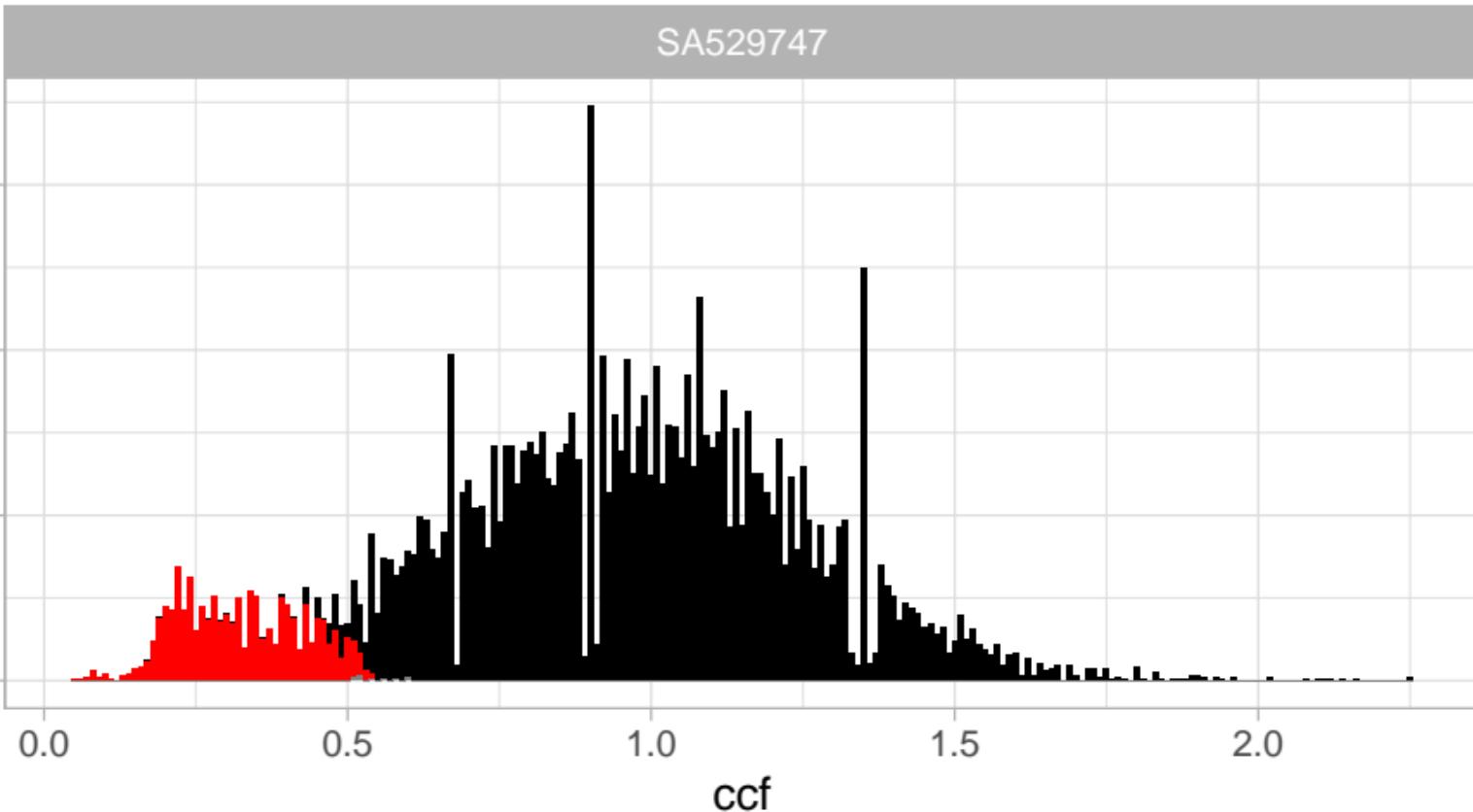
count

300
200
100
0

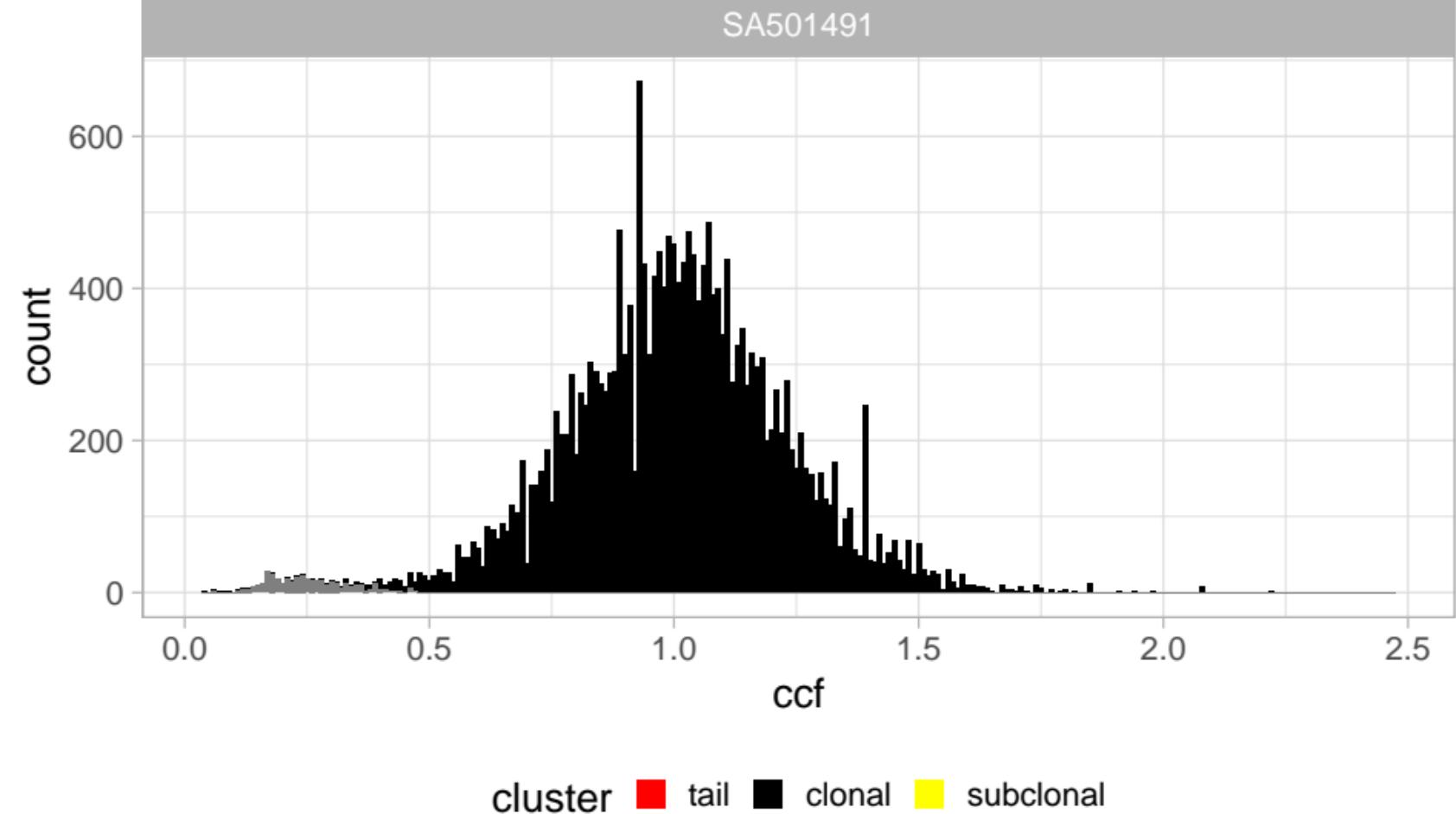
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA501491



SA86680

count

150

100

50

0

0.0

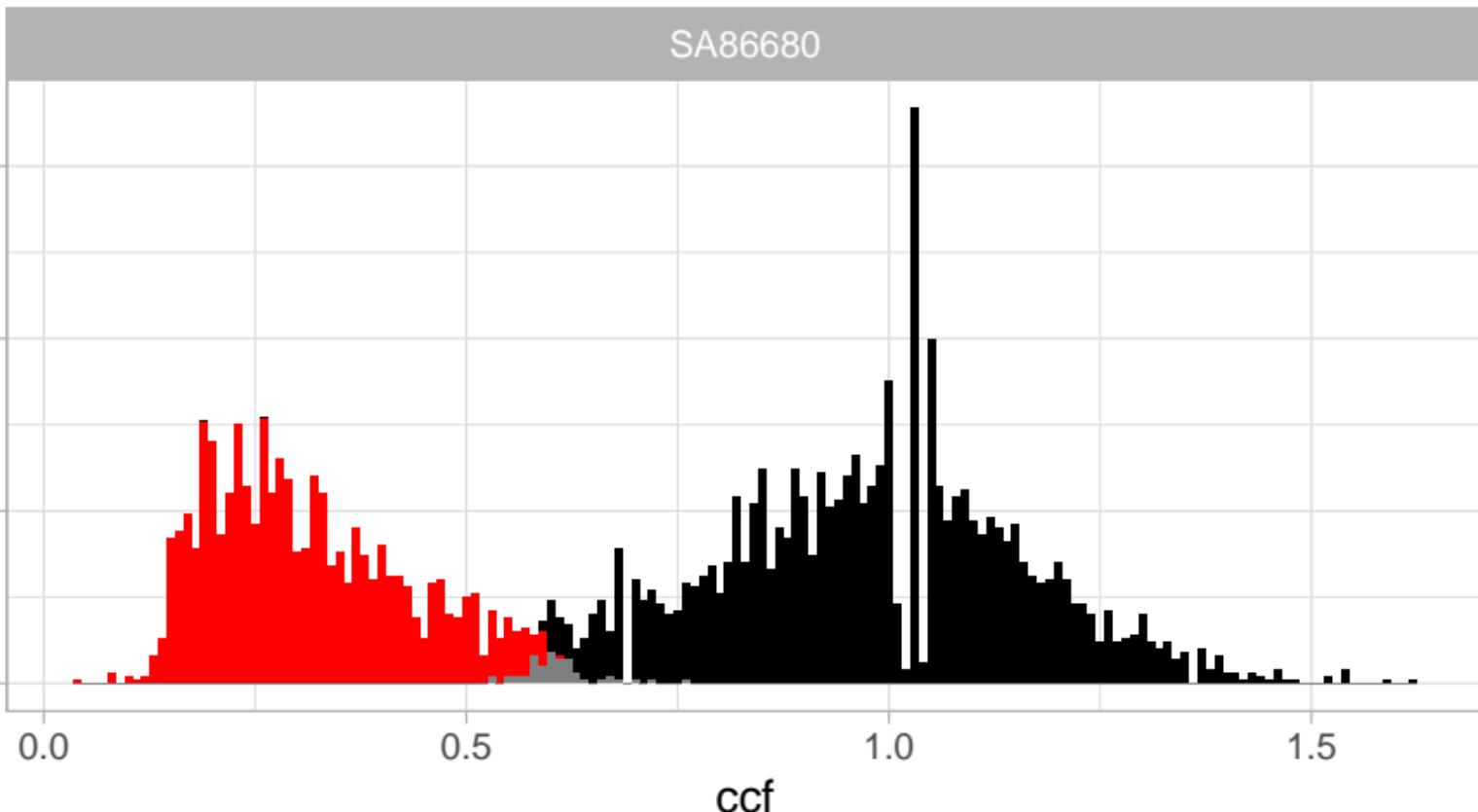
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA543820

count

30

20

10

0

0.0

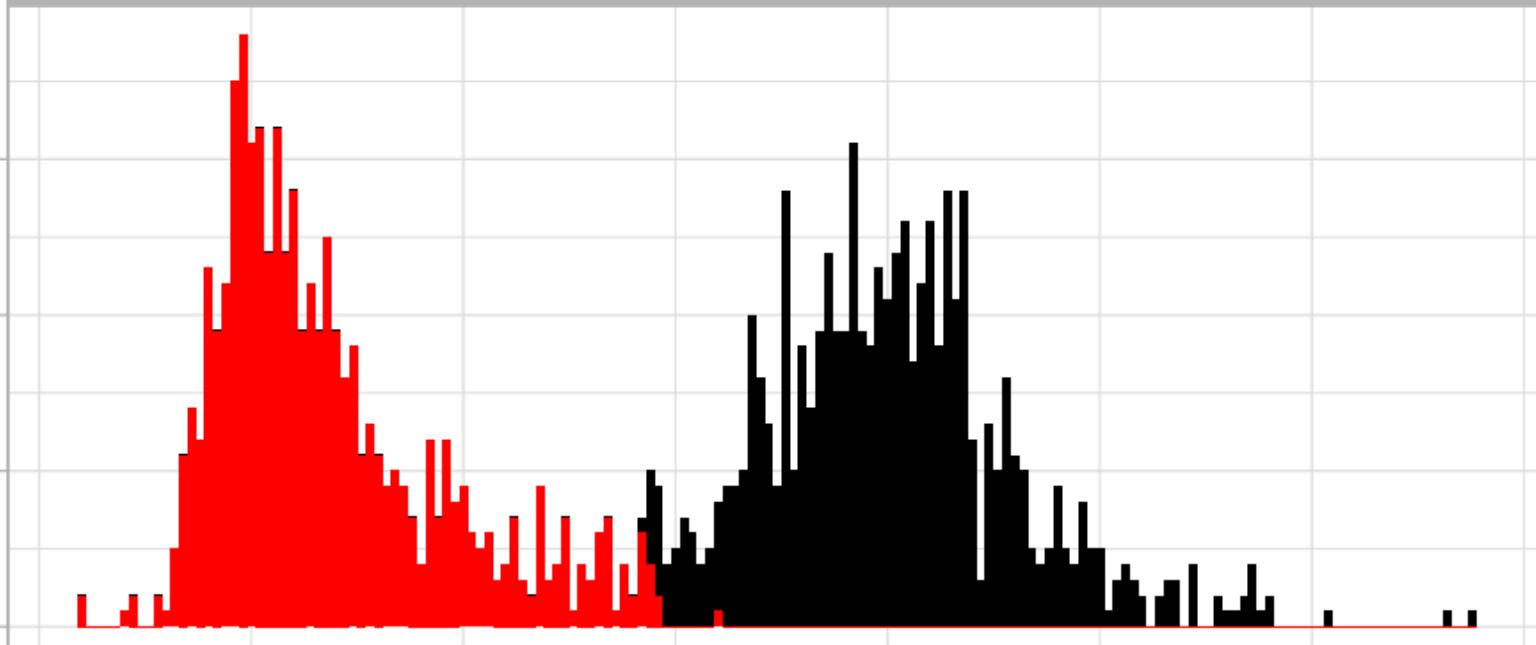
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA530500

count

75
50
25
0

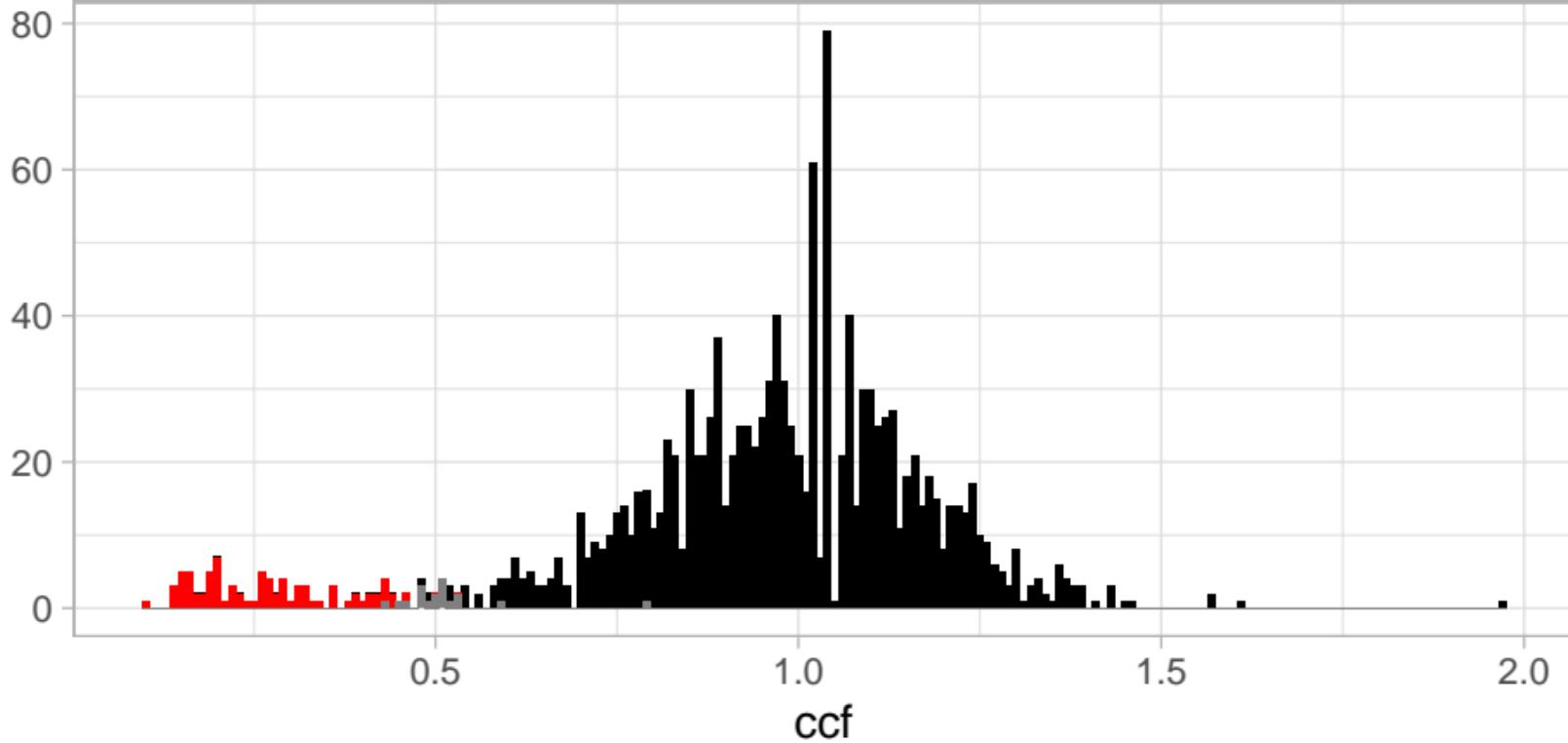
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517277

count



cluster ■ tail ■ clonal ■ subclonal

SA414099

count

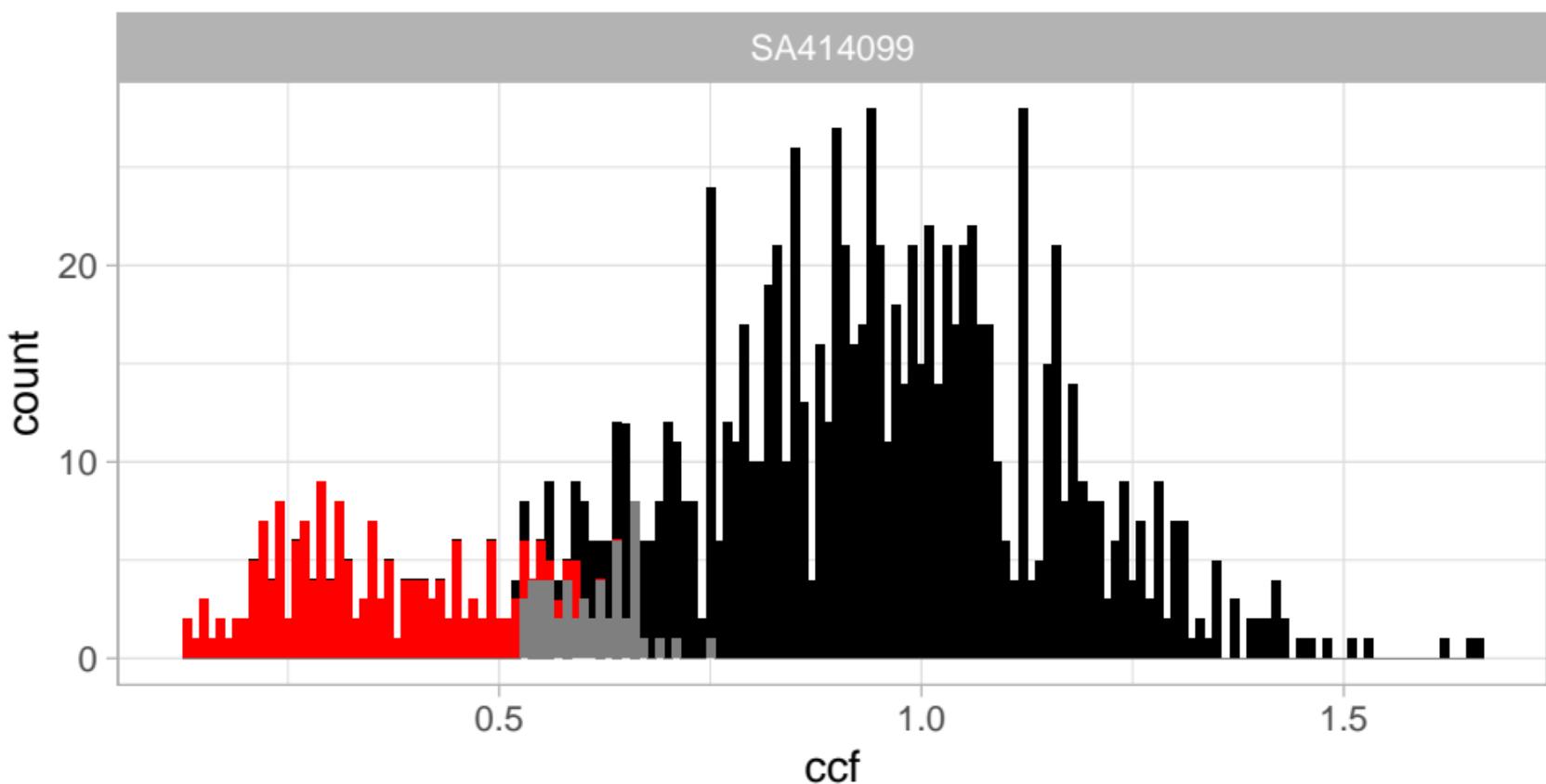
20
10
0

ccf

cluster tail clonal subclonal

0.5

1.0
1.5



SA507473

count

150
100
50
0

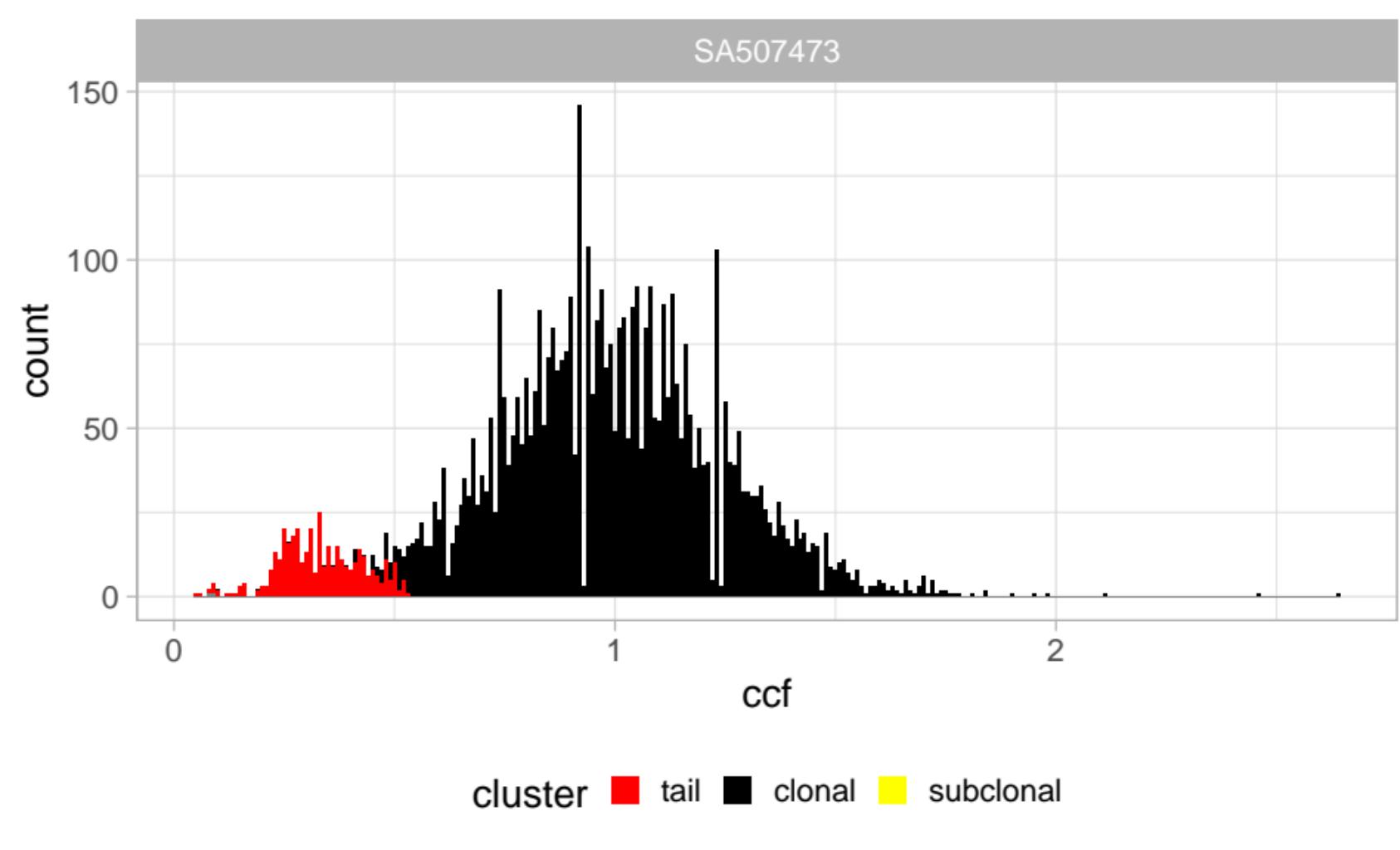
0

1

2

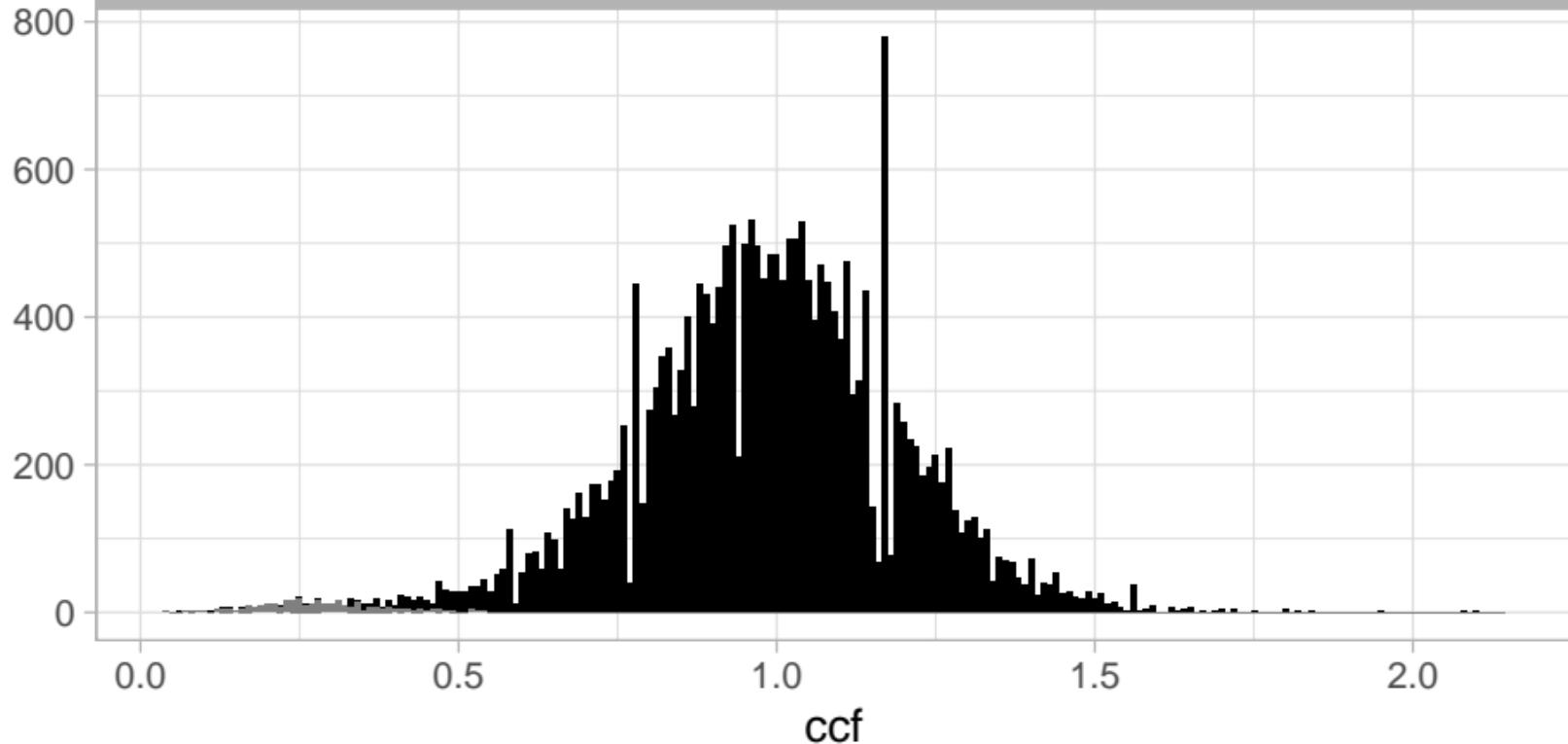
ccf

cluster ■ tail ■ clonal ■ subclonal



SA529751

count



cluster tail clonal subclonal

SA413606

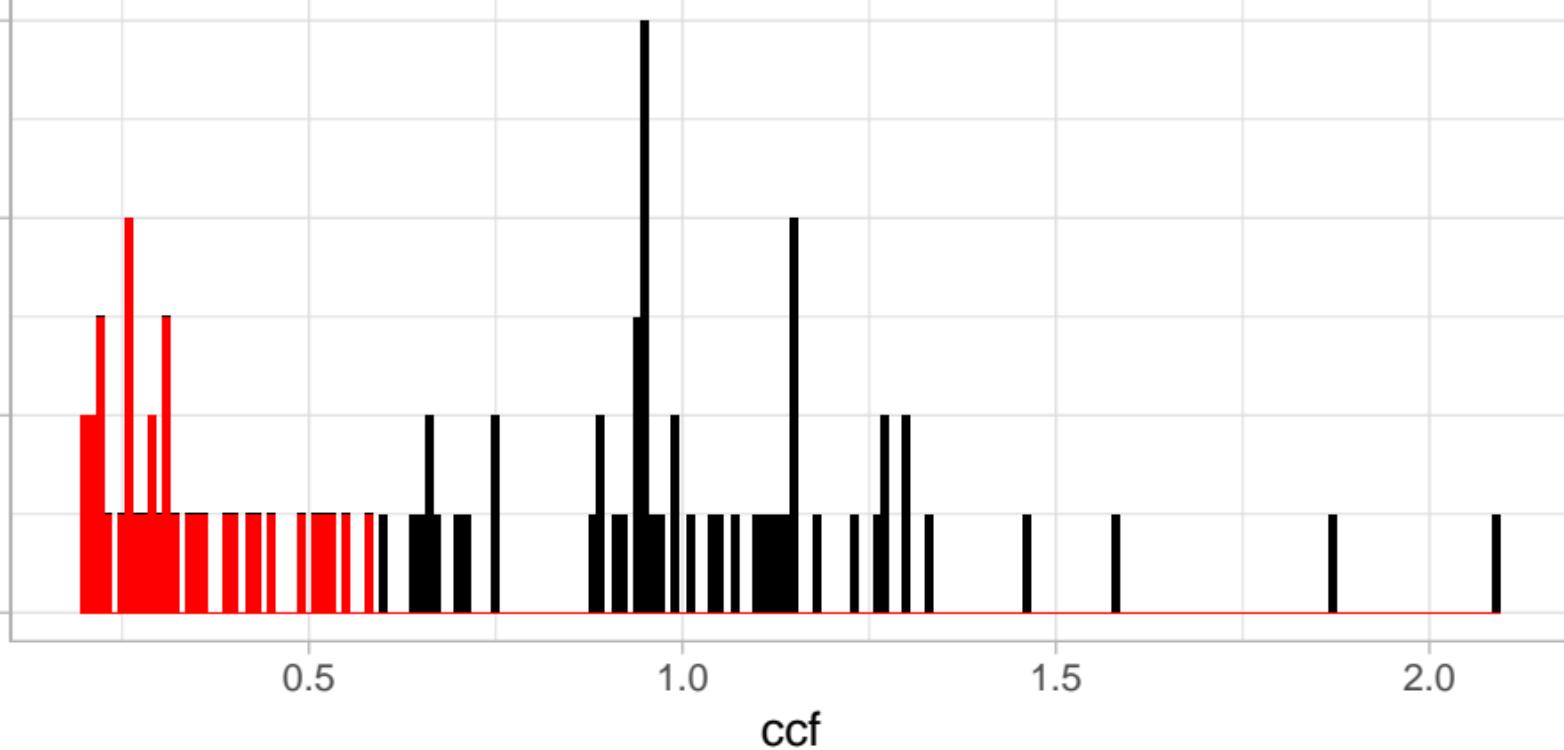
count

6
4
2
0

0.5 1.0 1.5 2.0

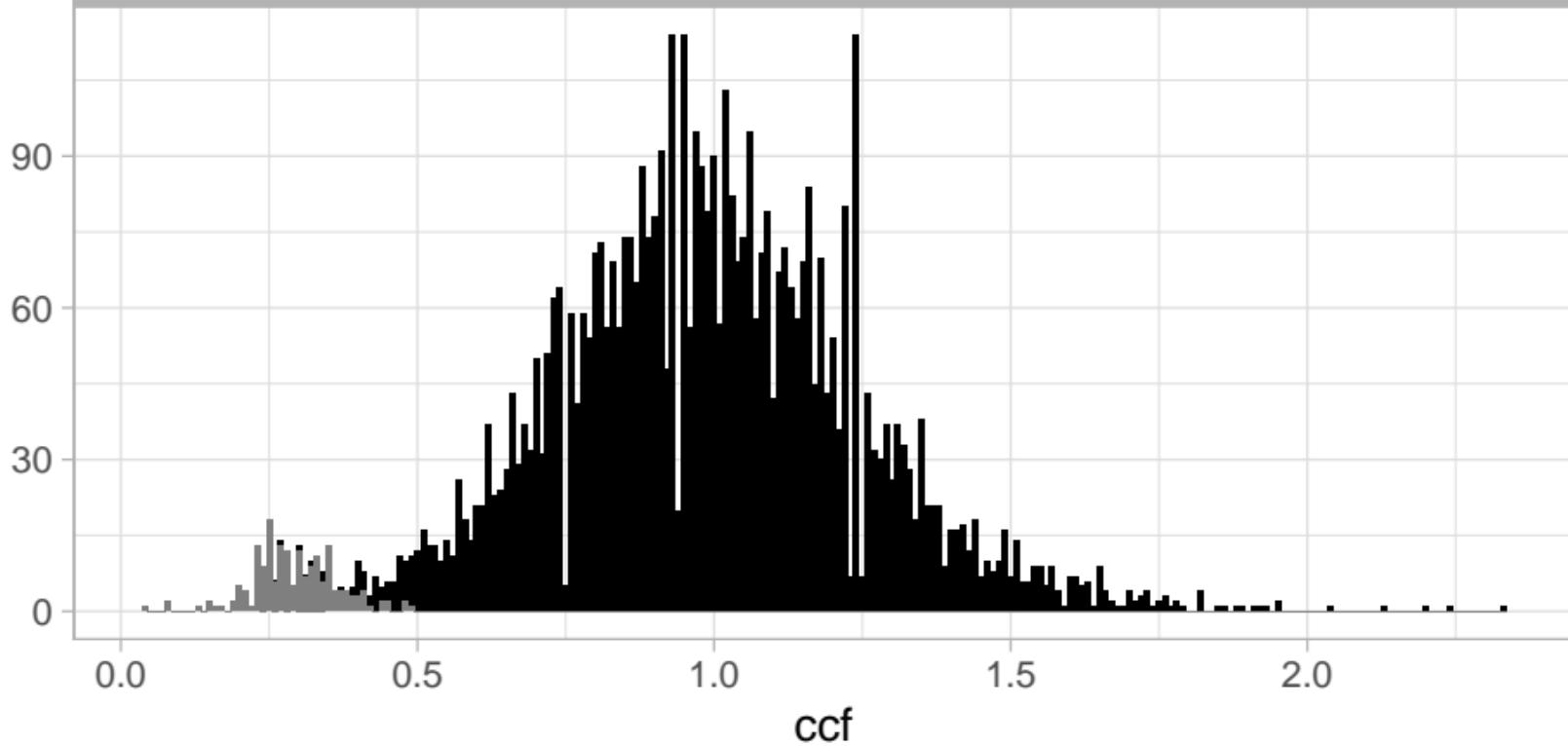
ccf

cluster tail clonal subclonal



SA507338

count



cluster ■ tail ■ clonal ■ subclonal

SA413884

count

6
4
2
0

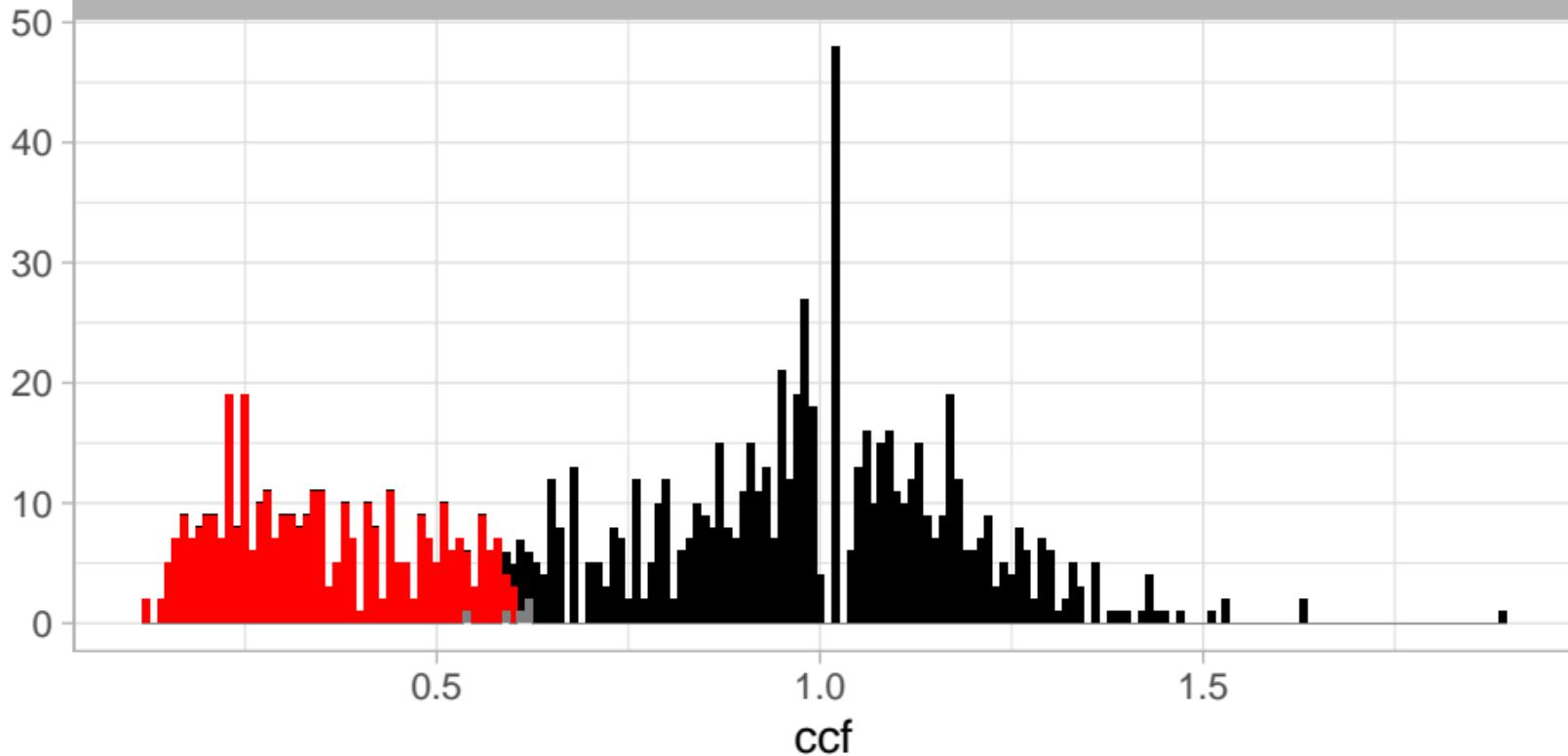
0.0 0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal

SA539025

count



cluster ■ tail ■ clonal ■ subclonal

SA517374

count

200

100

0

0.0

0.5

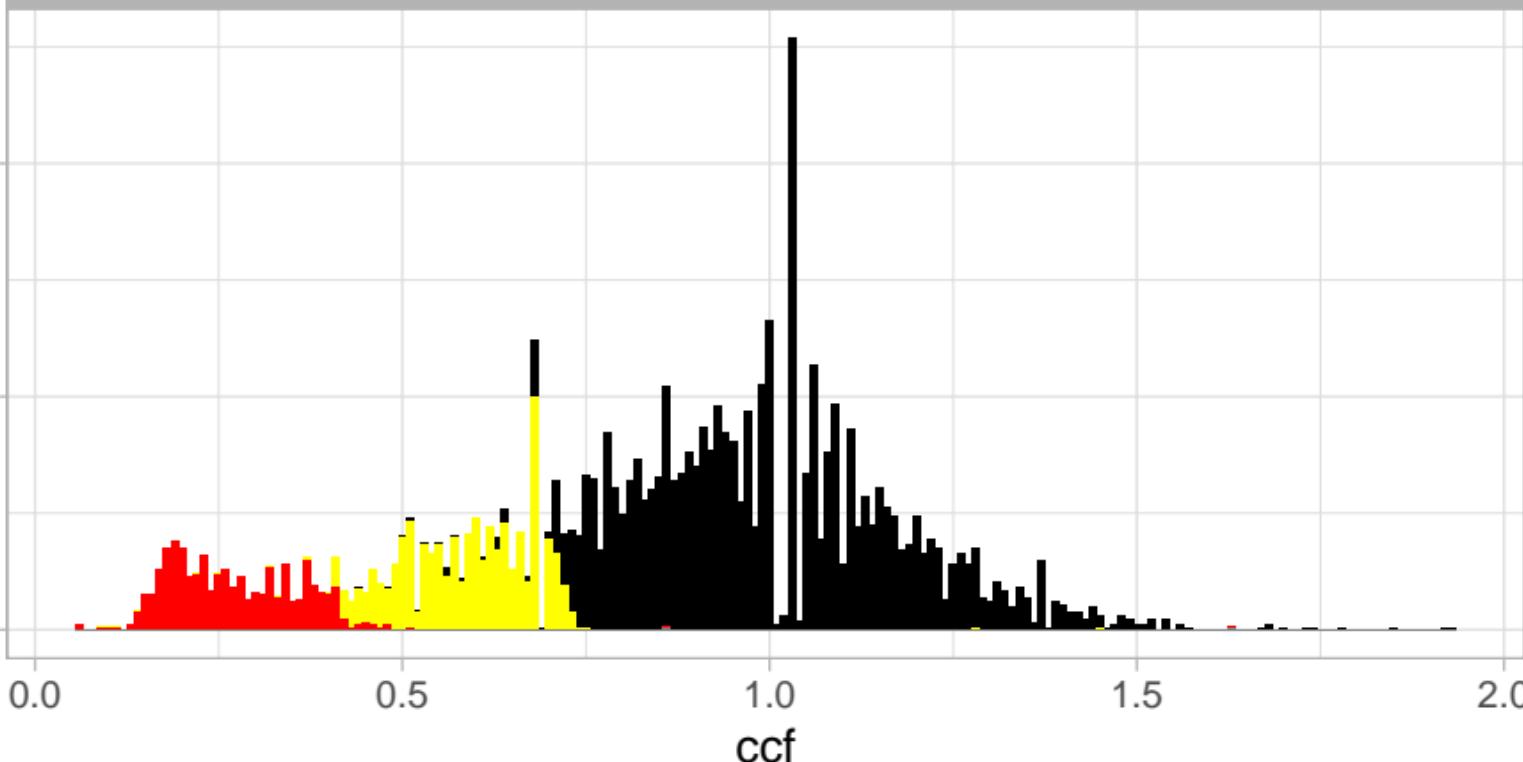
1.0

1.5

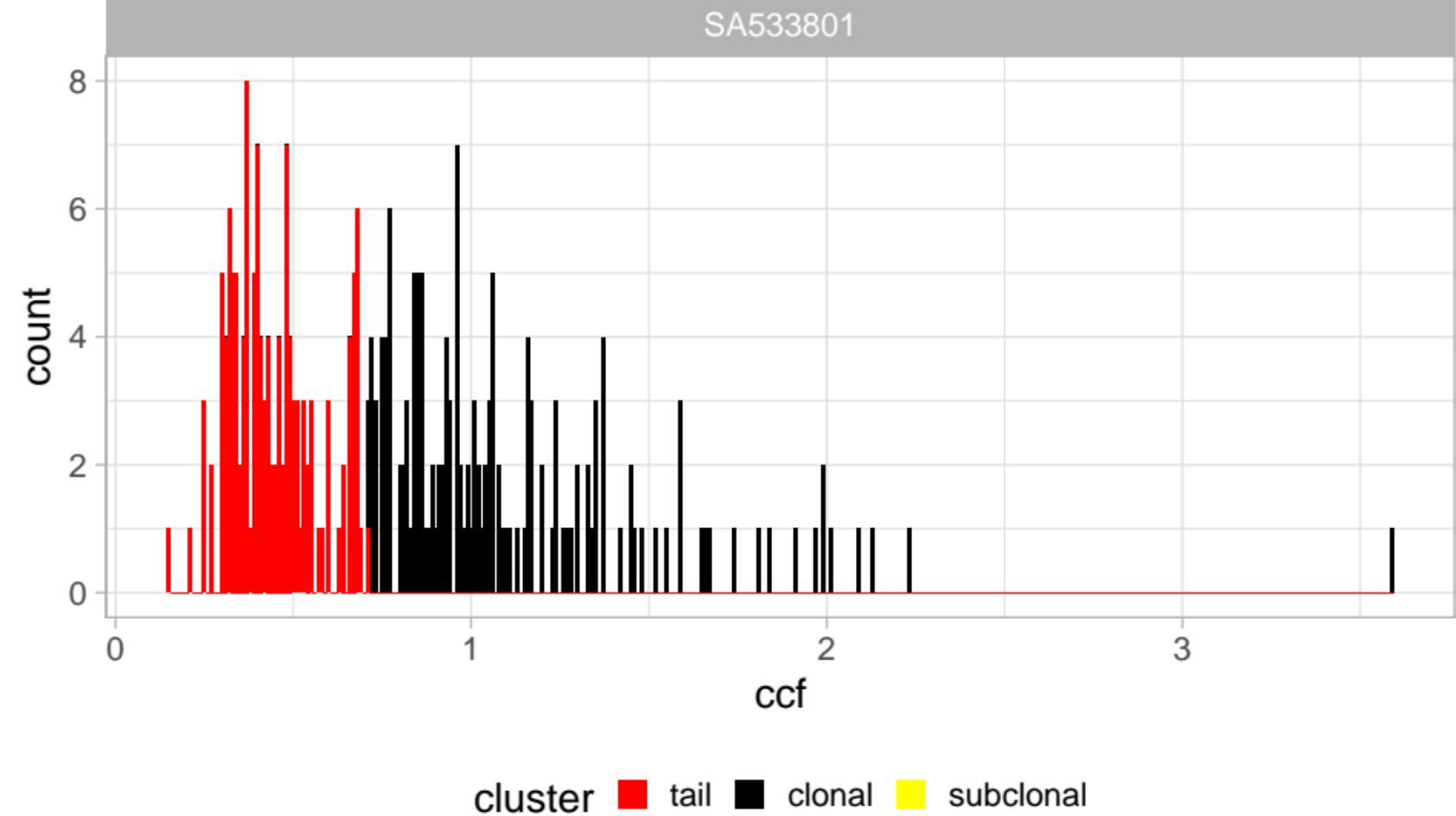
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533801



SA533779

count

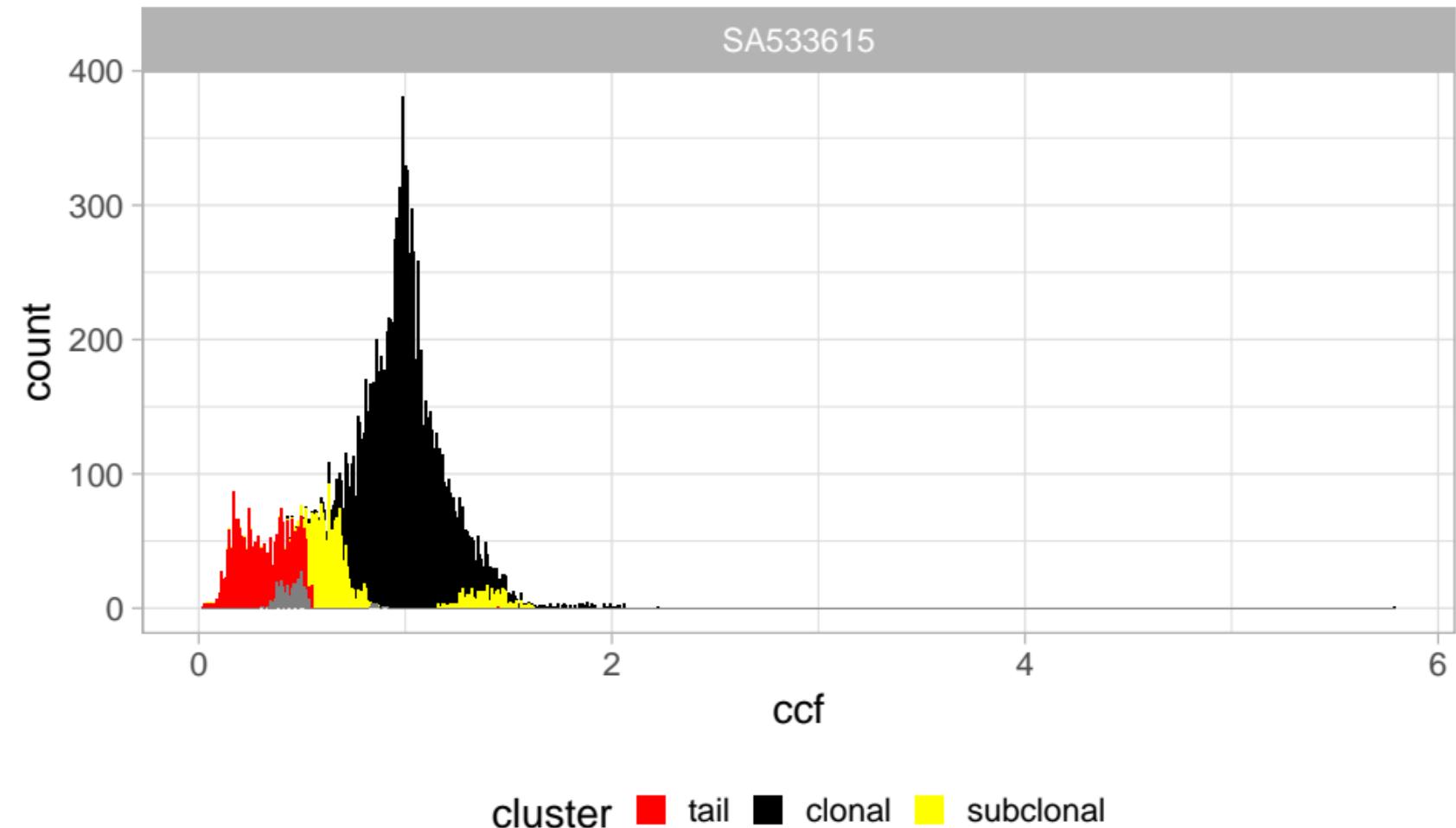
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533615



SA542111

count

750

500

250

0

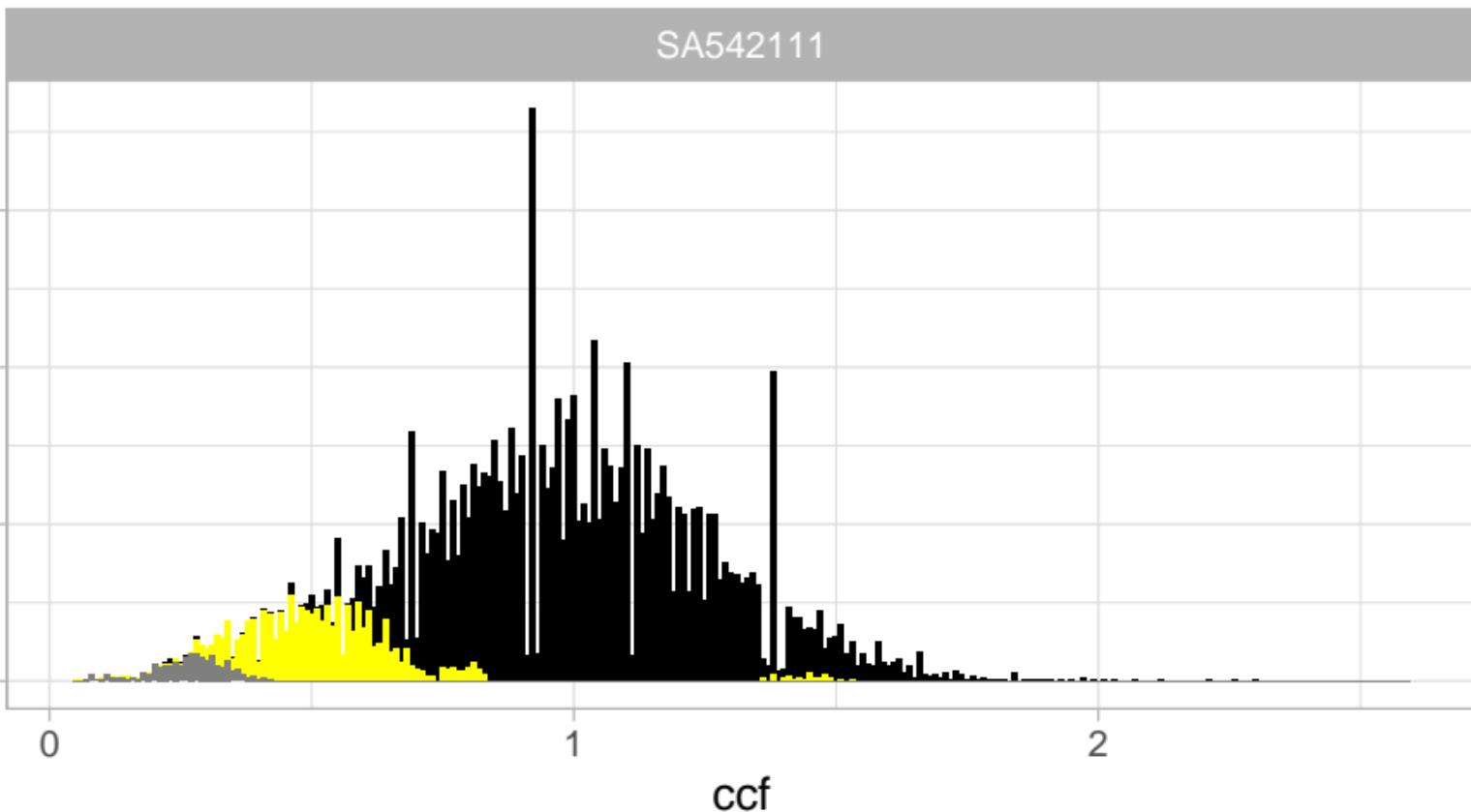
0

1

2

ccf

cluster tail clonal subclonal



SA506702

count

75
50
25
0

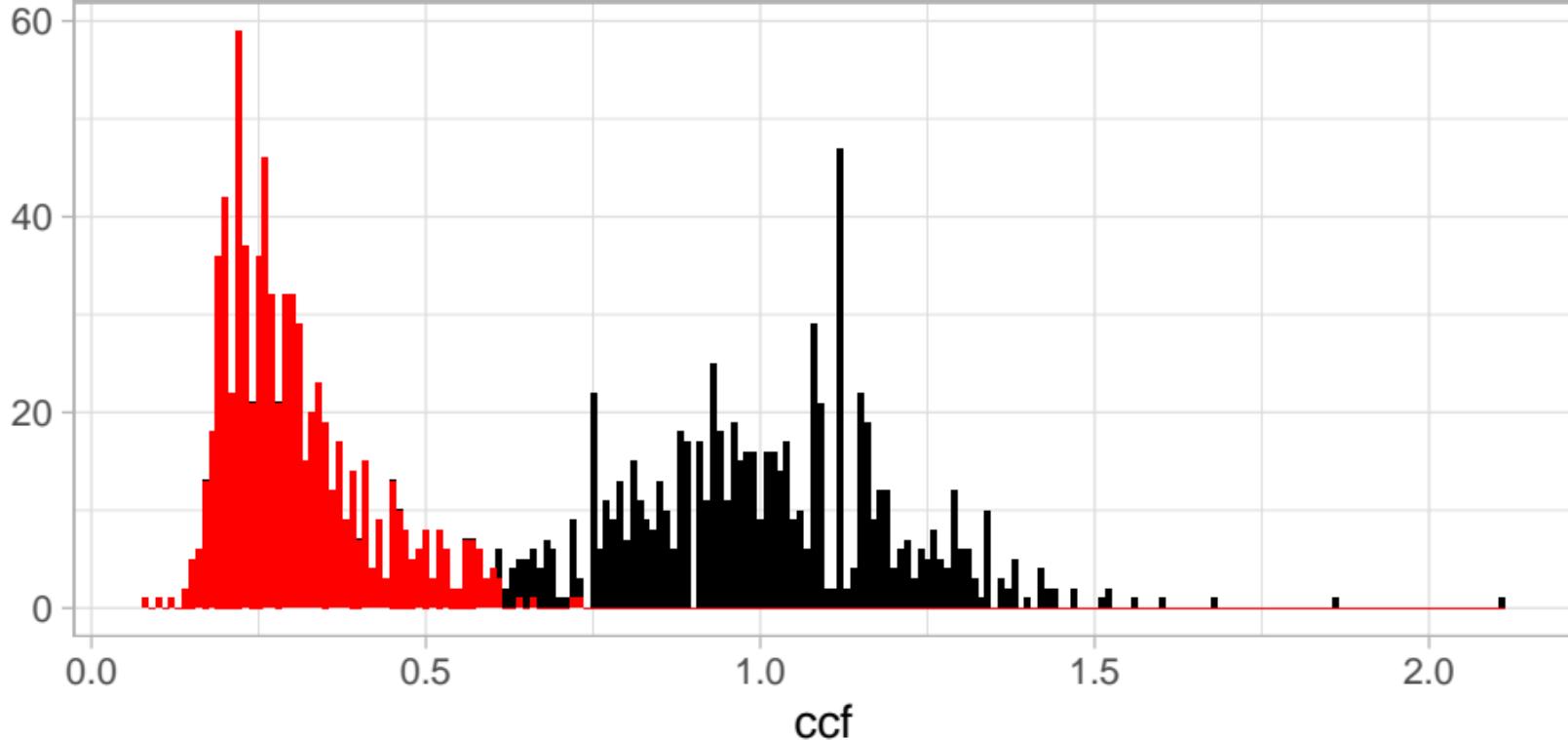
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA86170

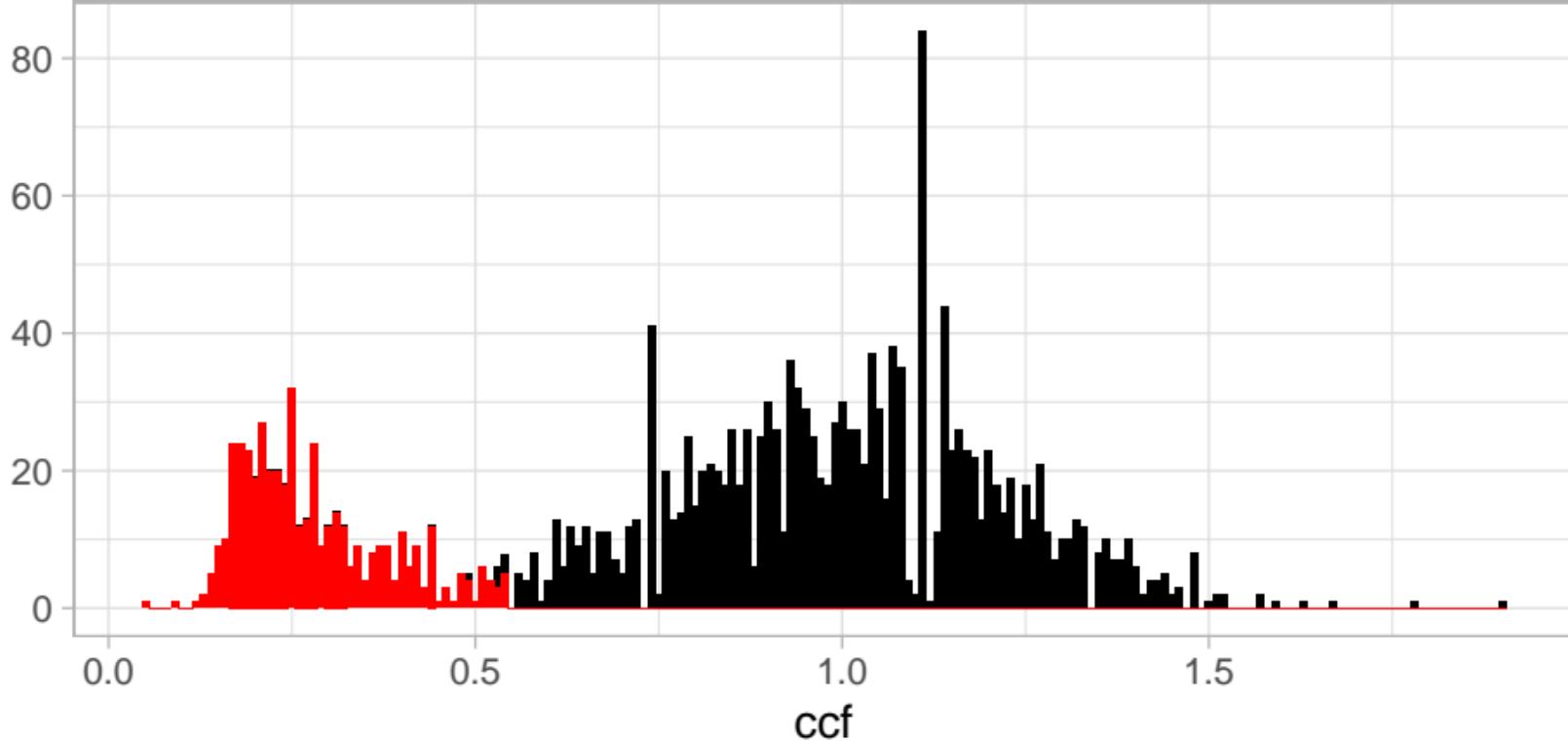
count



cluster ■ tail ■ clonal ■ subclonal

SA542163

count



cluster ■ tail ■ clonal ■ subclonal

SA542389

count

80
60
40
20
0

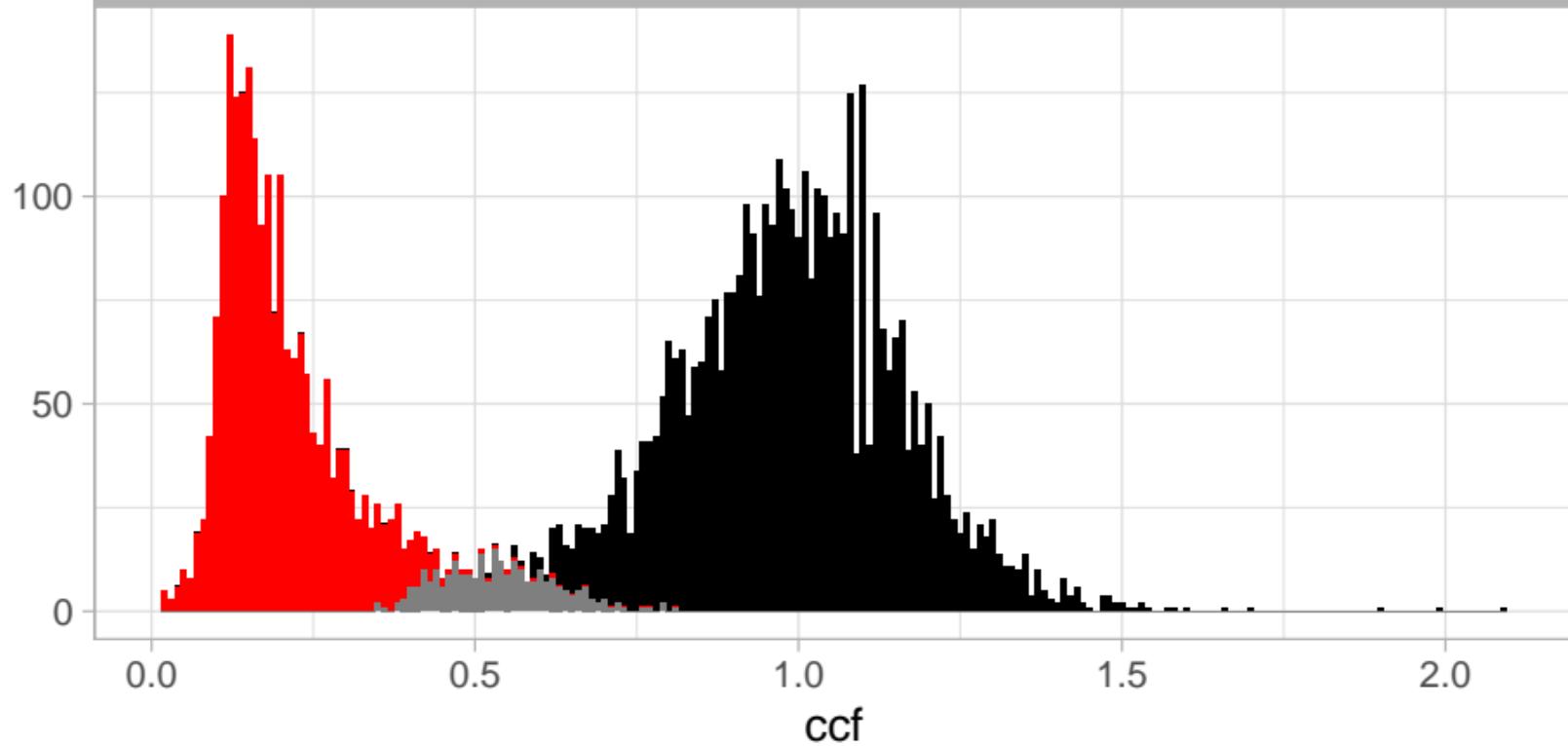
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA520243

count



cluster ■ tail ■ clonal ■ subclonal

SA501495

count

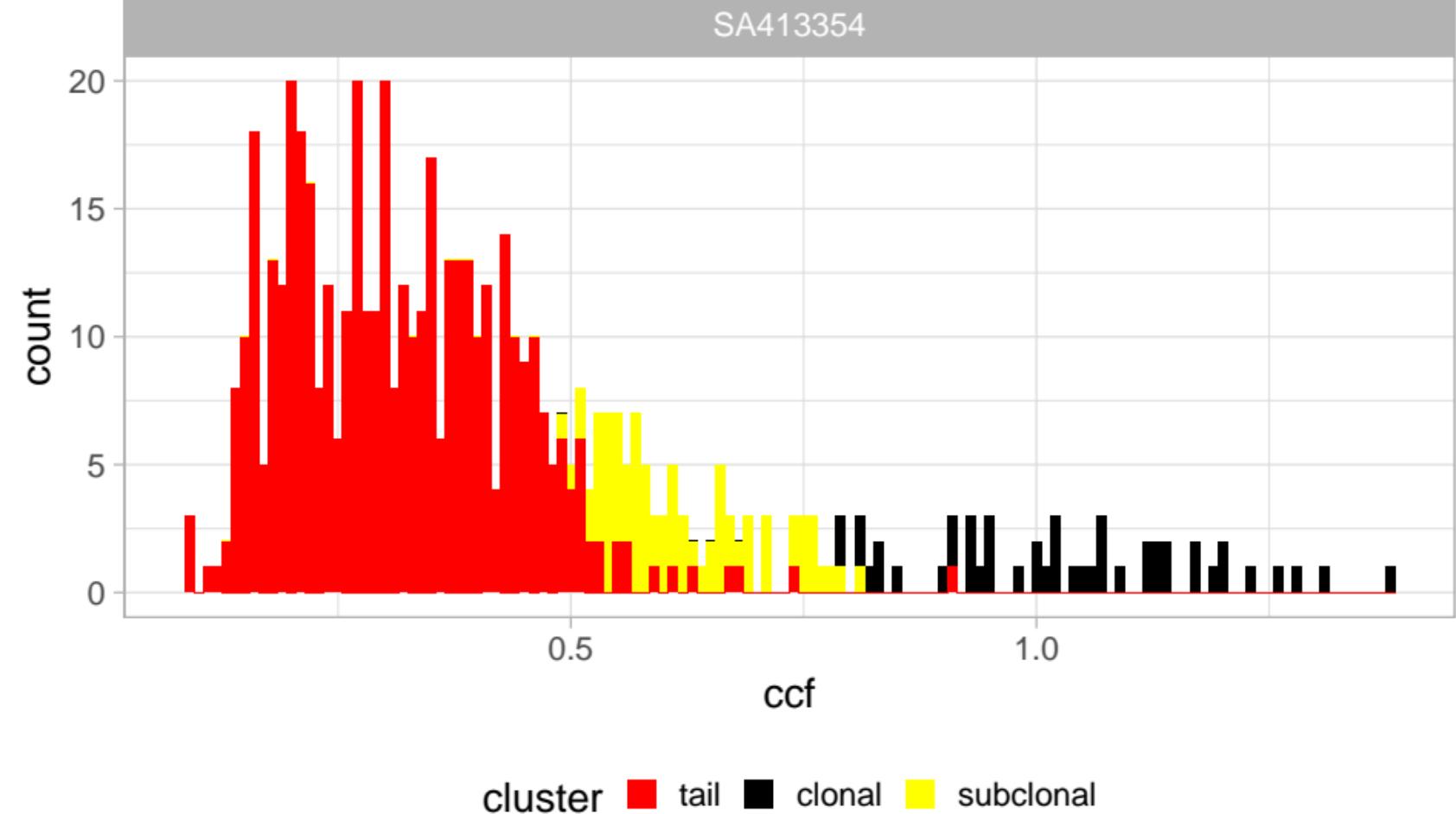
200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413354



SA533777

count

90
60
30
0

0

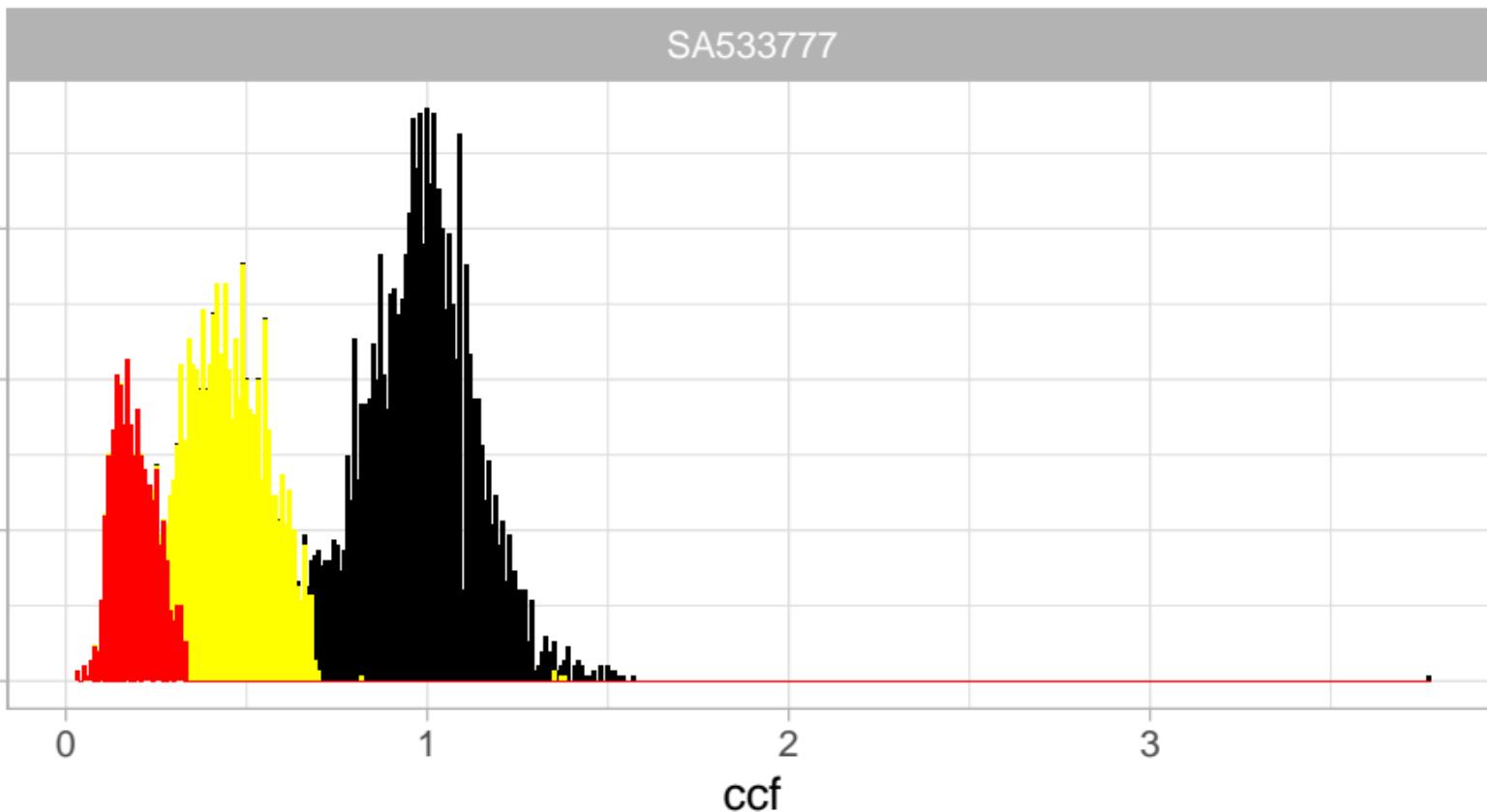
1

2

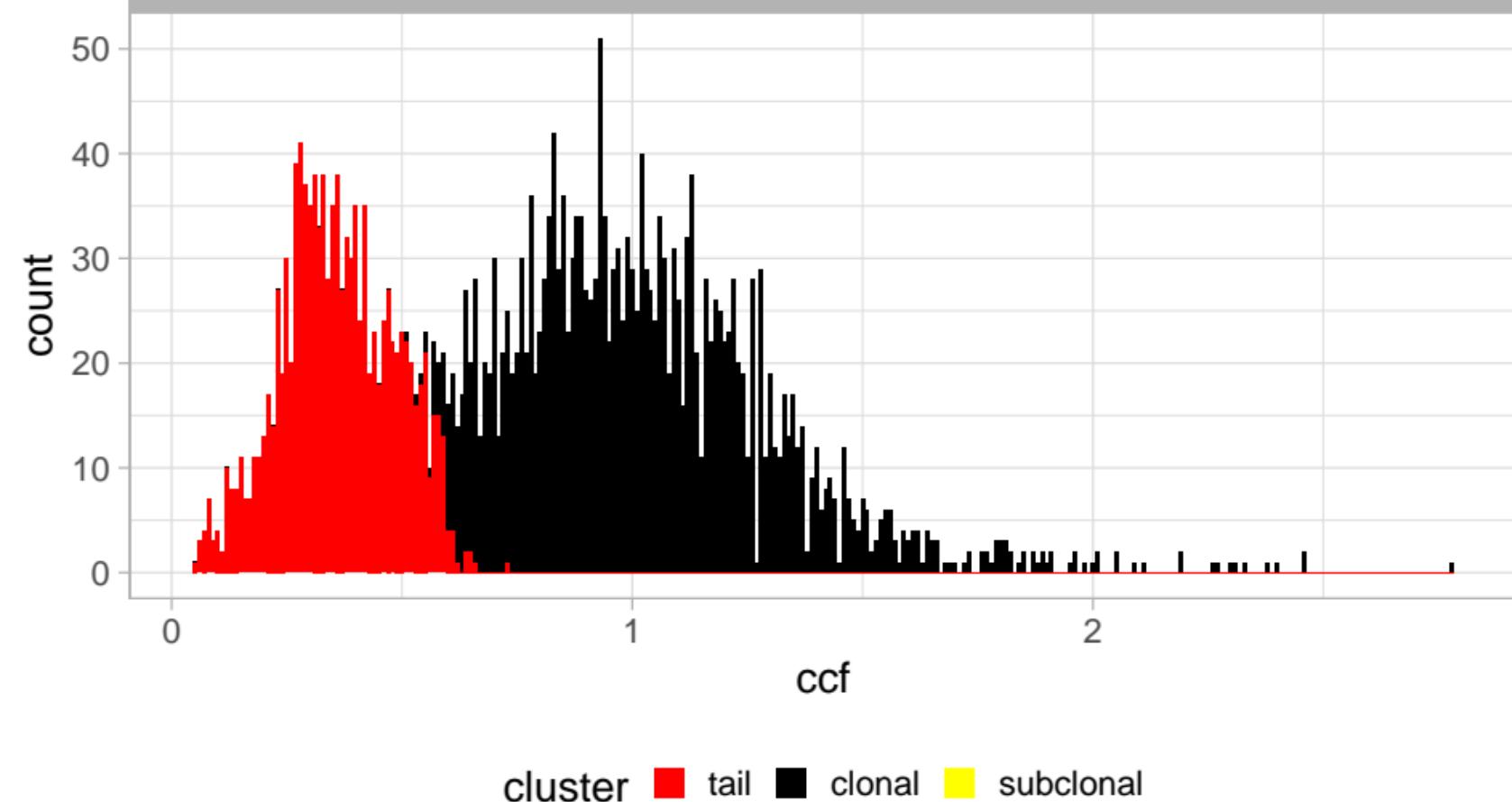
3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530488



SA541743

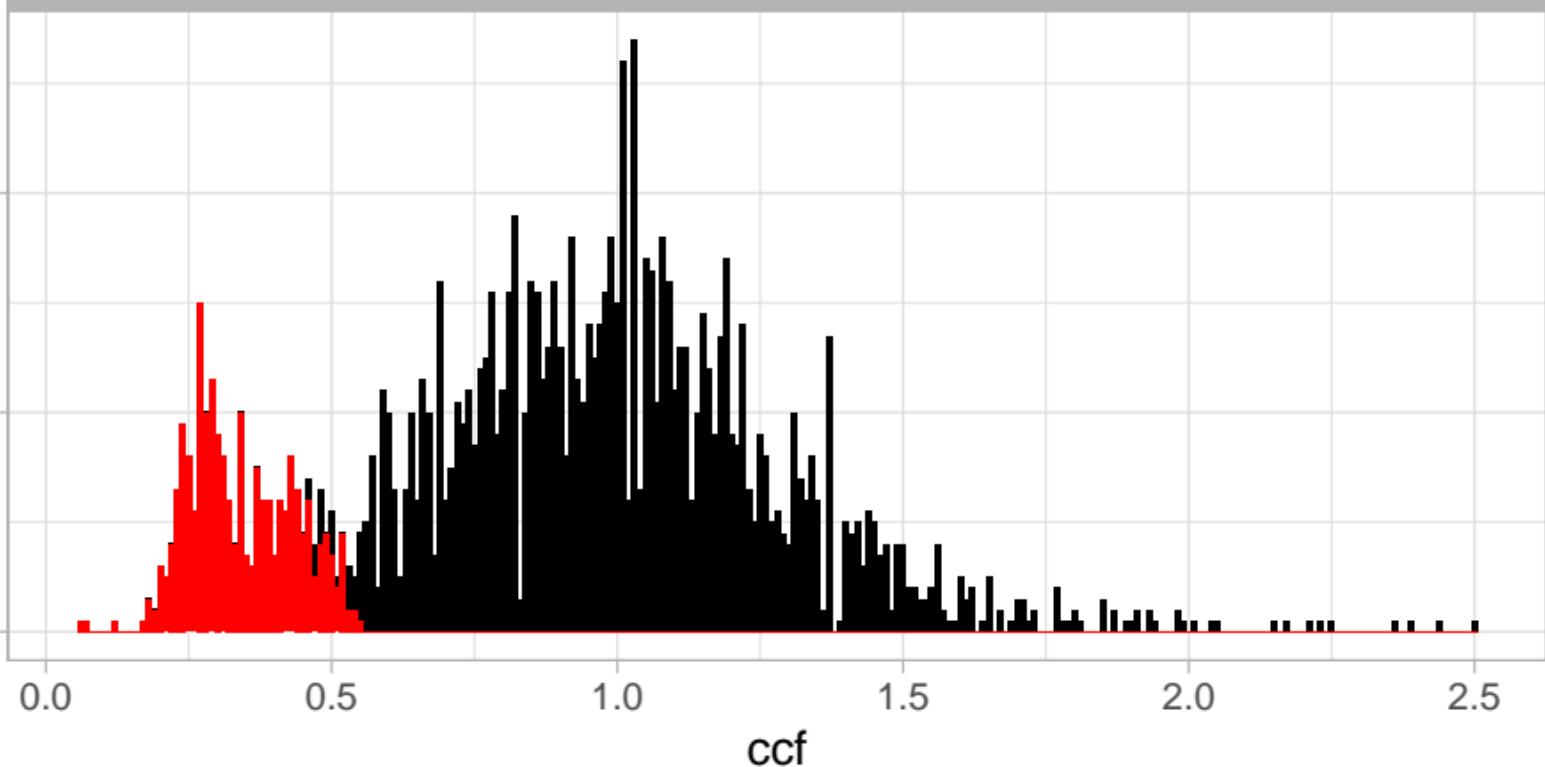
count

40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA529759

count

400

200

0

0.0

0.5

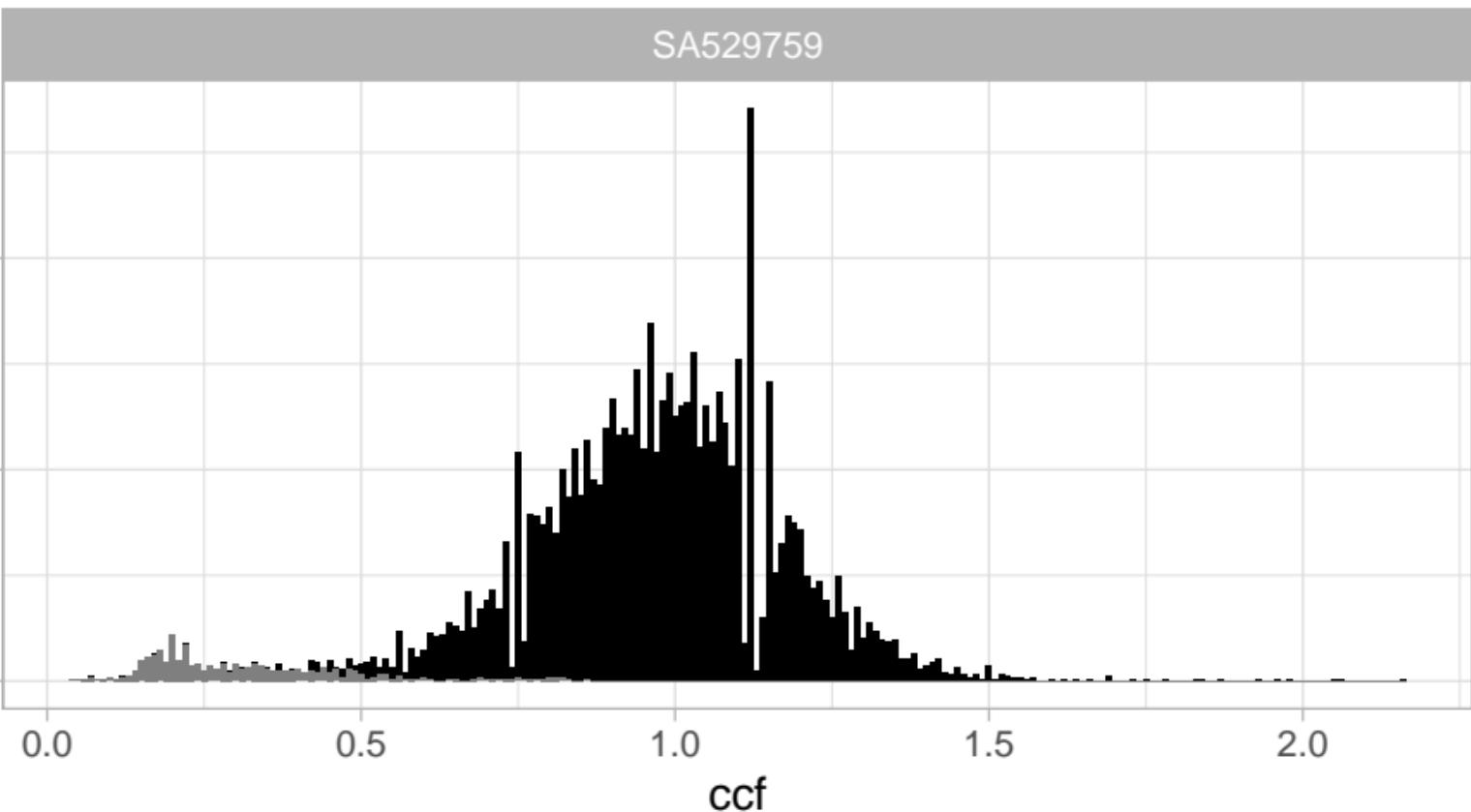
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA518723

count

120

80

40

0

0.0

0.5

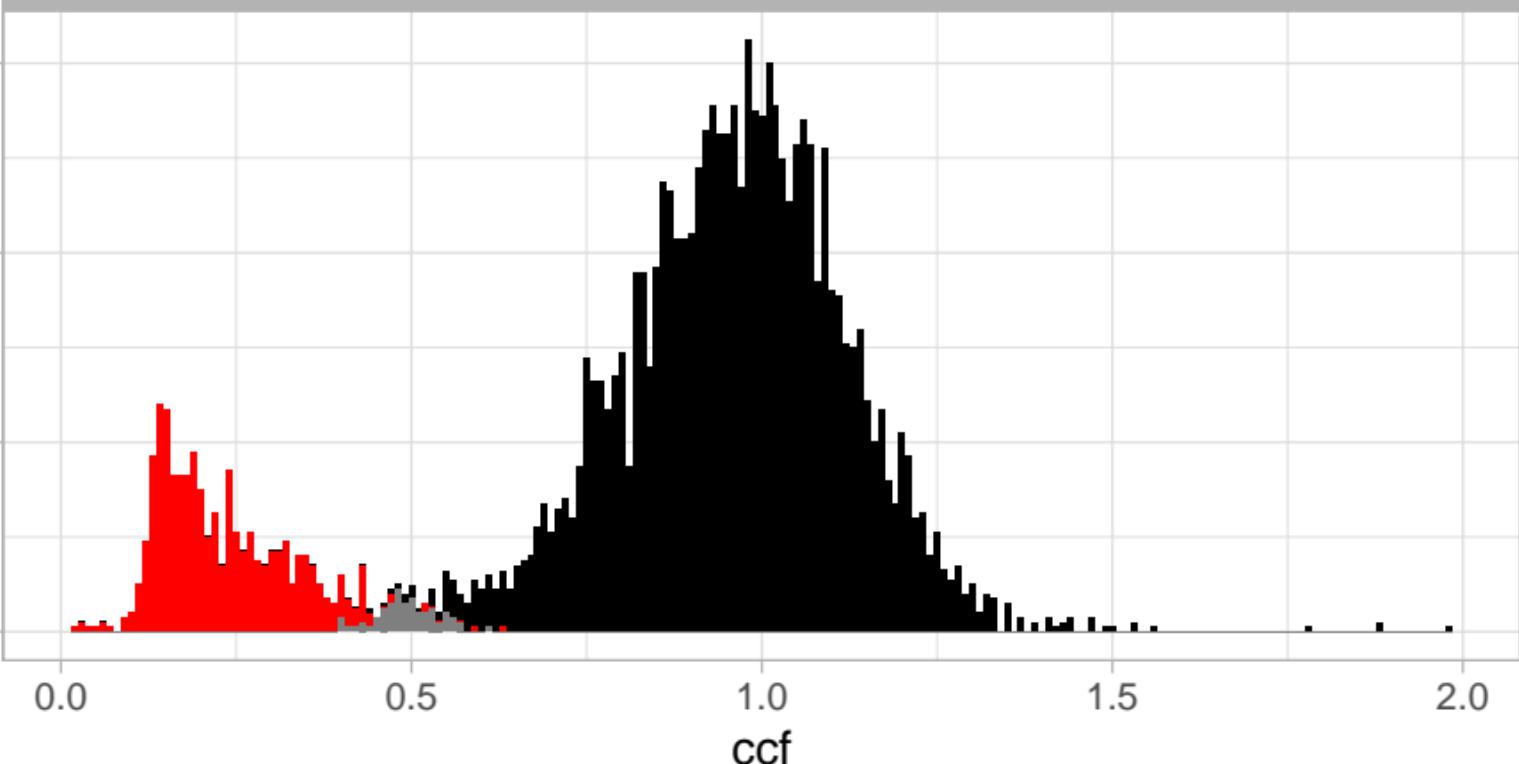
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA520430

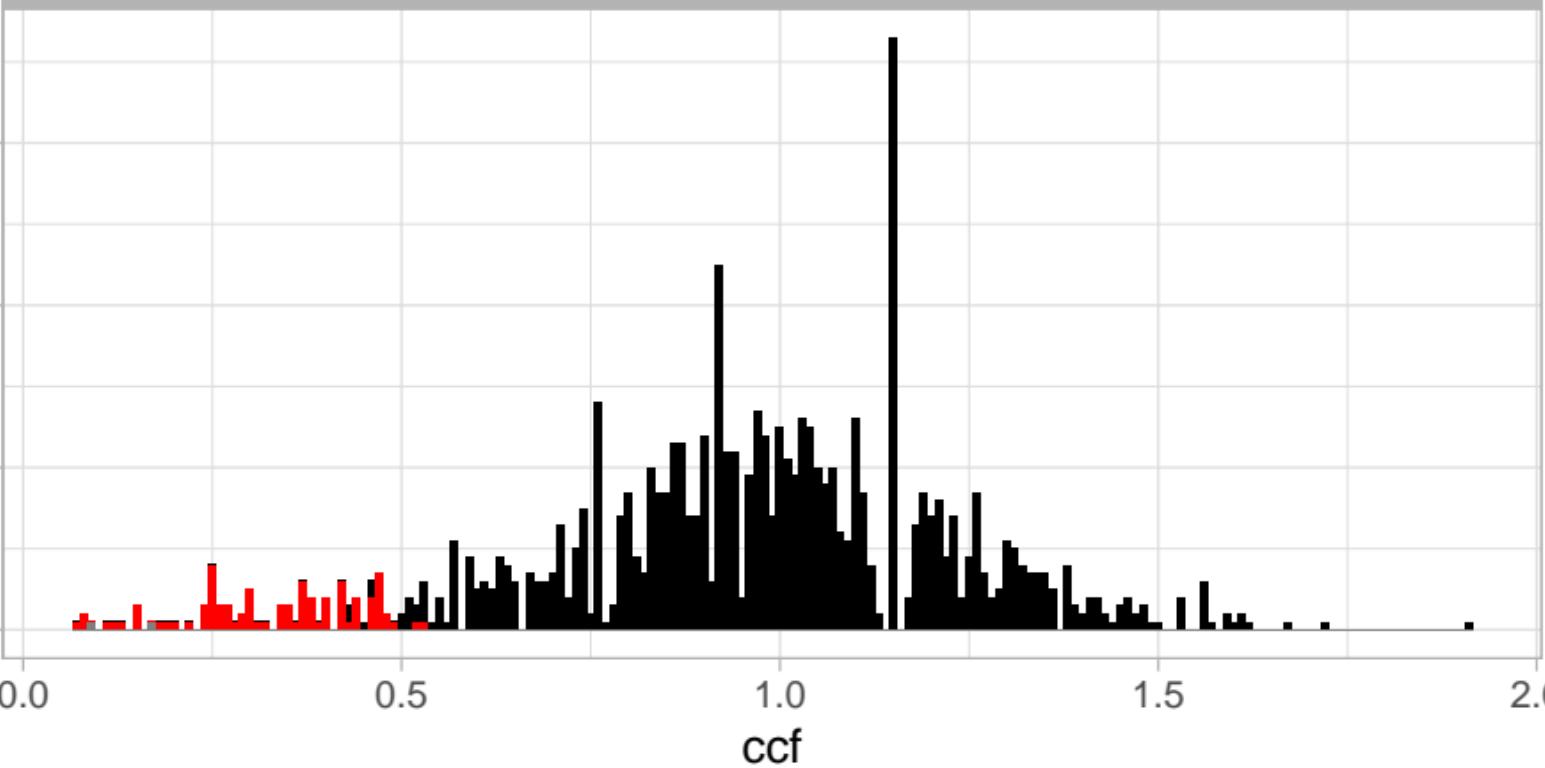
count

60
40
20
0

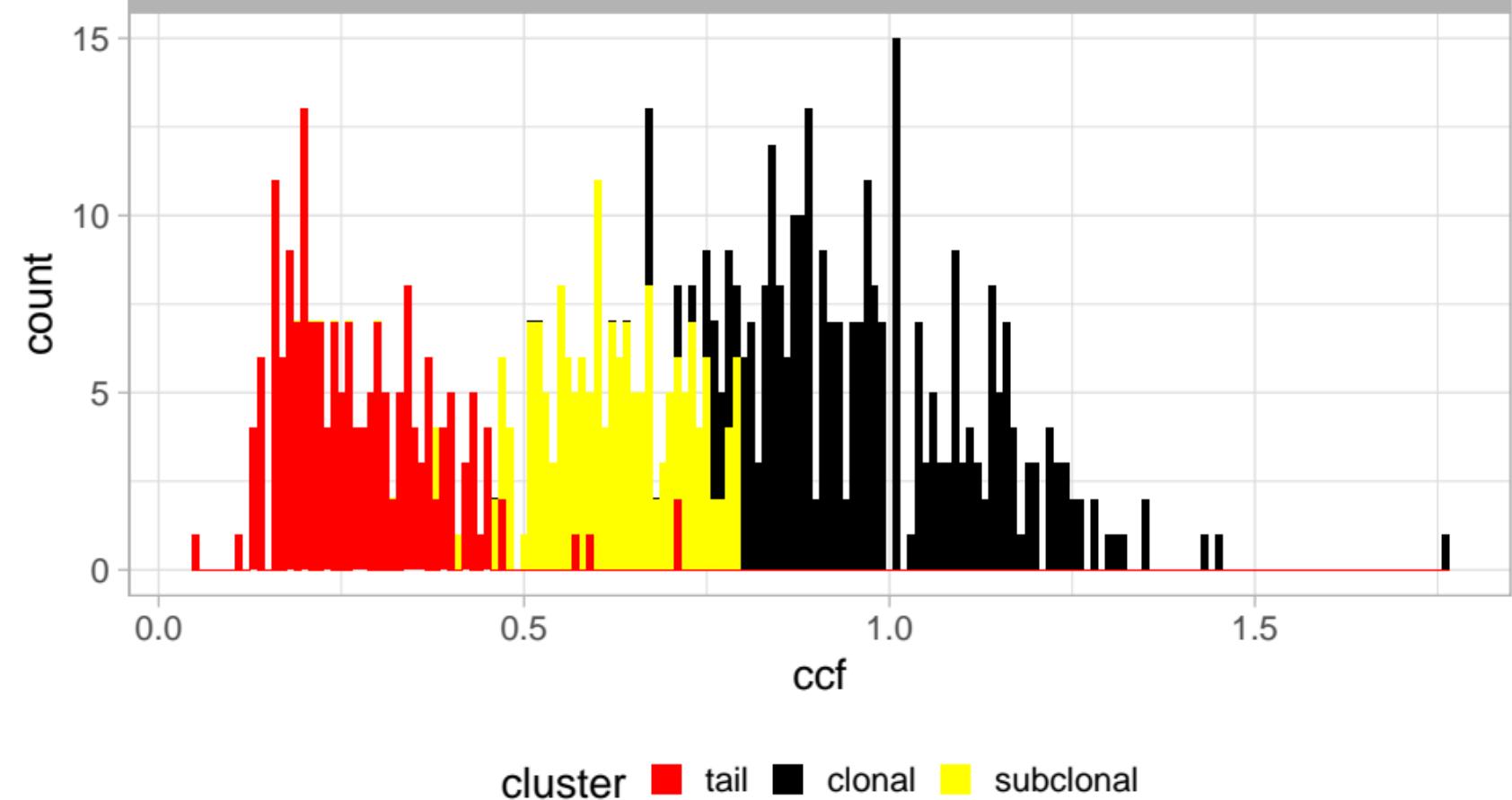
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413322



SA320818

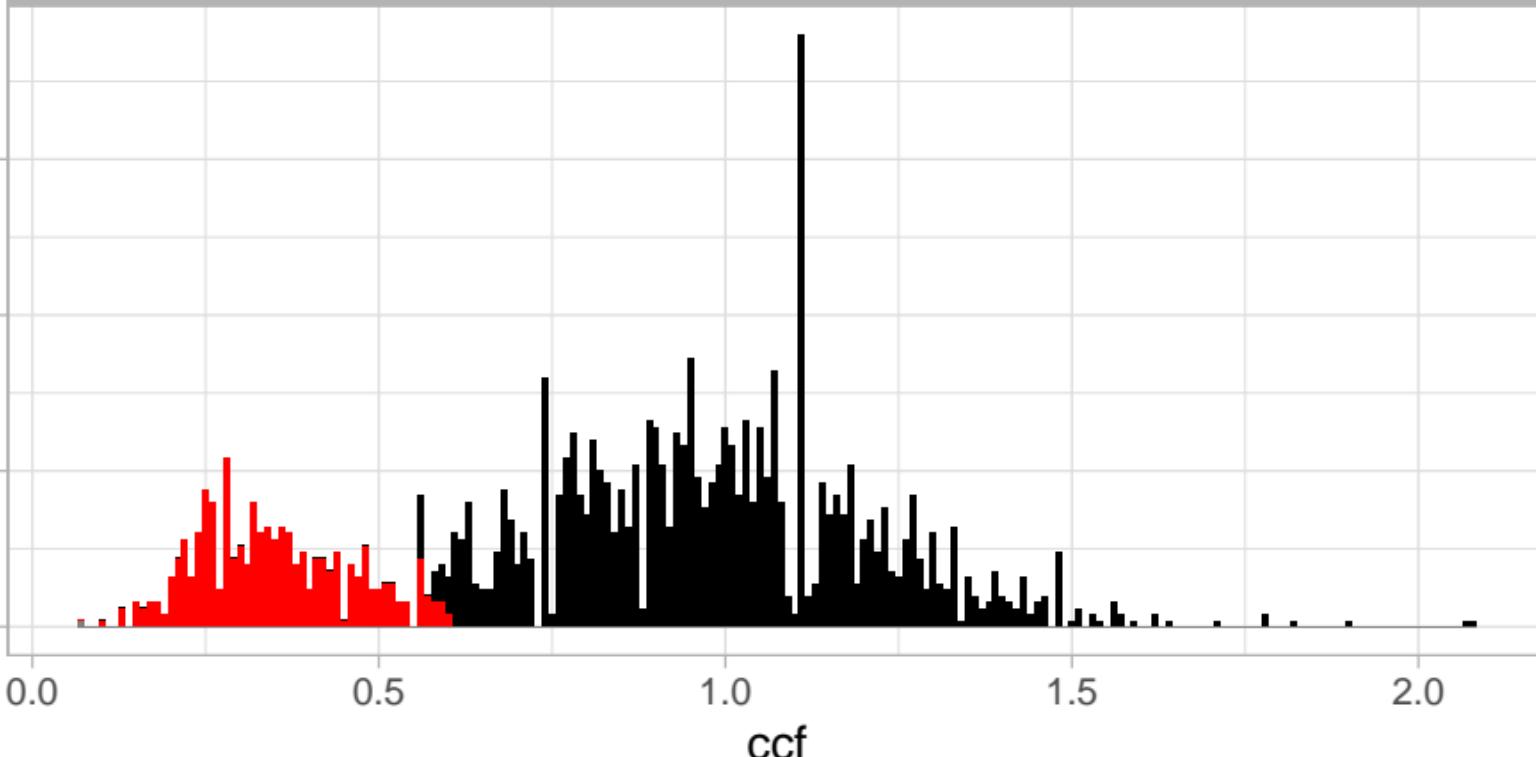
count

75
50
25
0

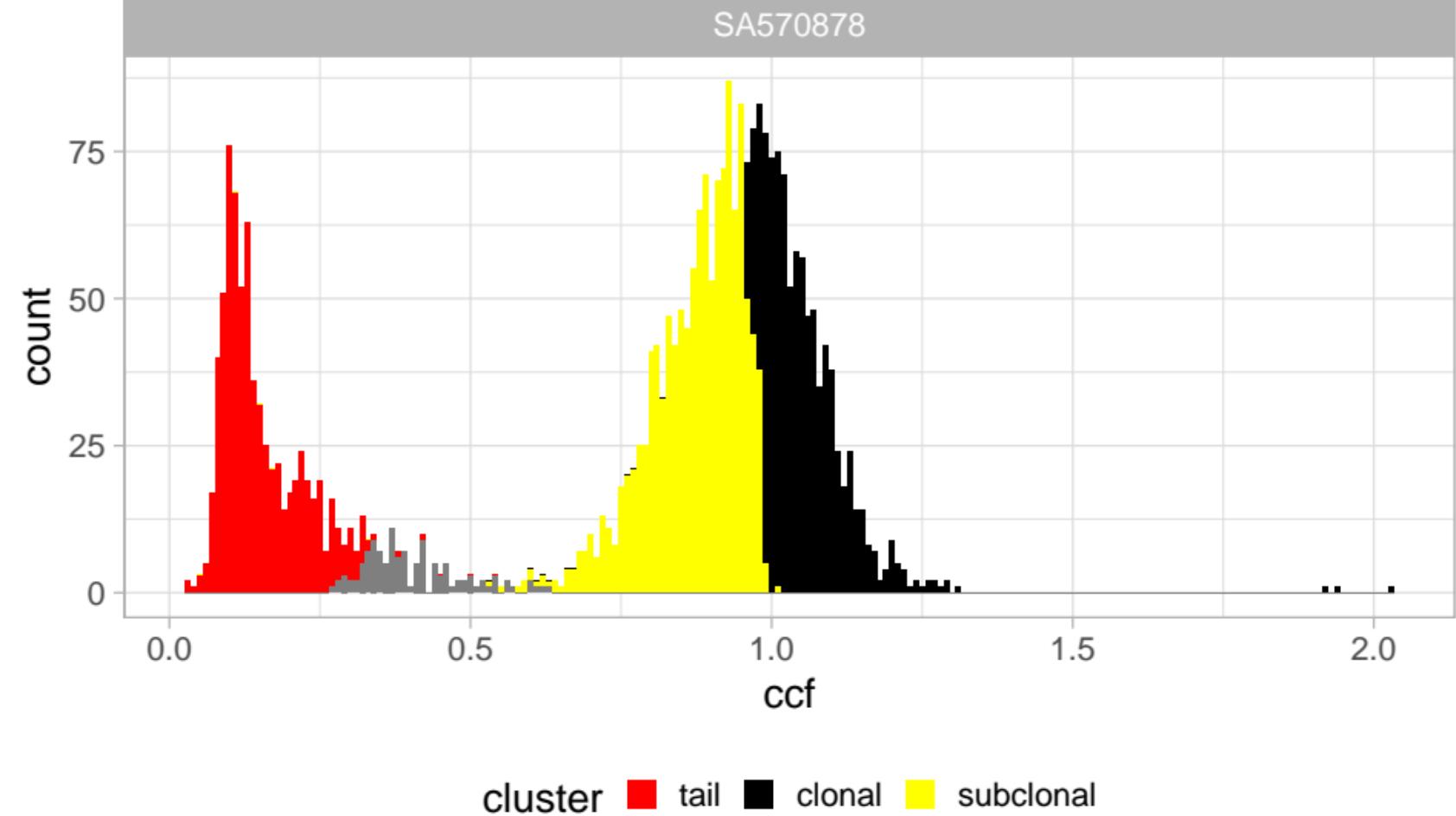
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA570878



SA517337

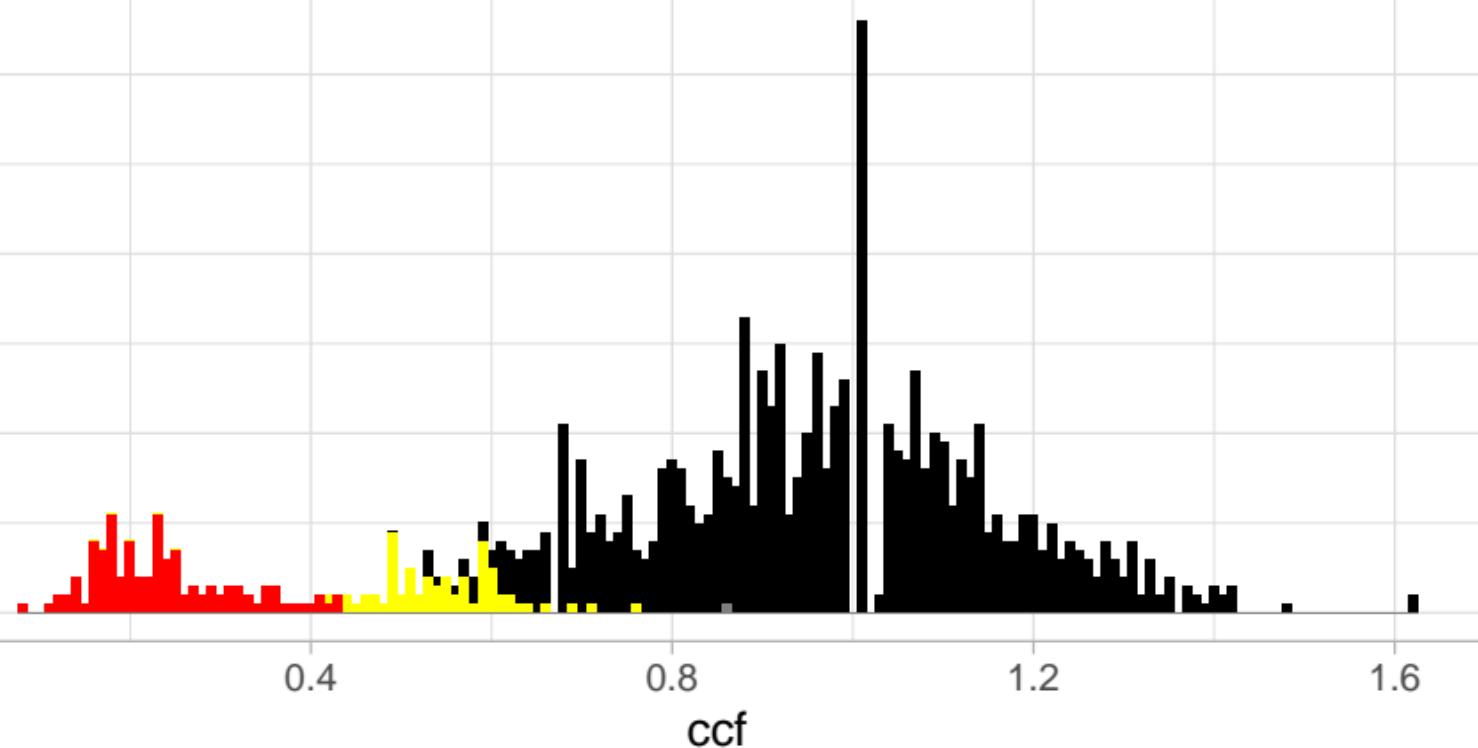
count

60
40
20
0

0.0 0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA413275

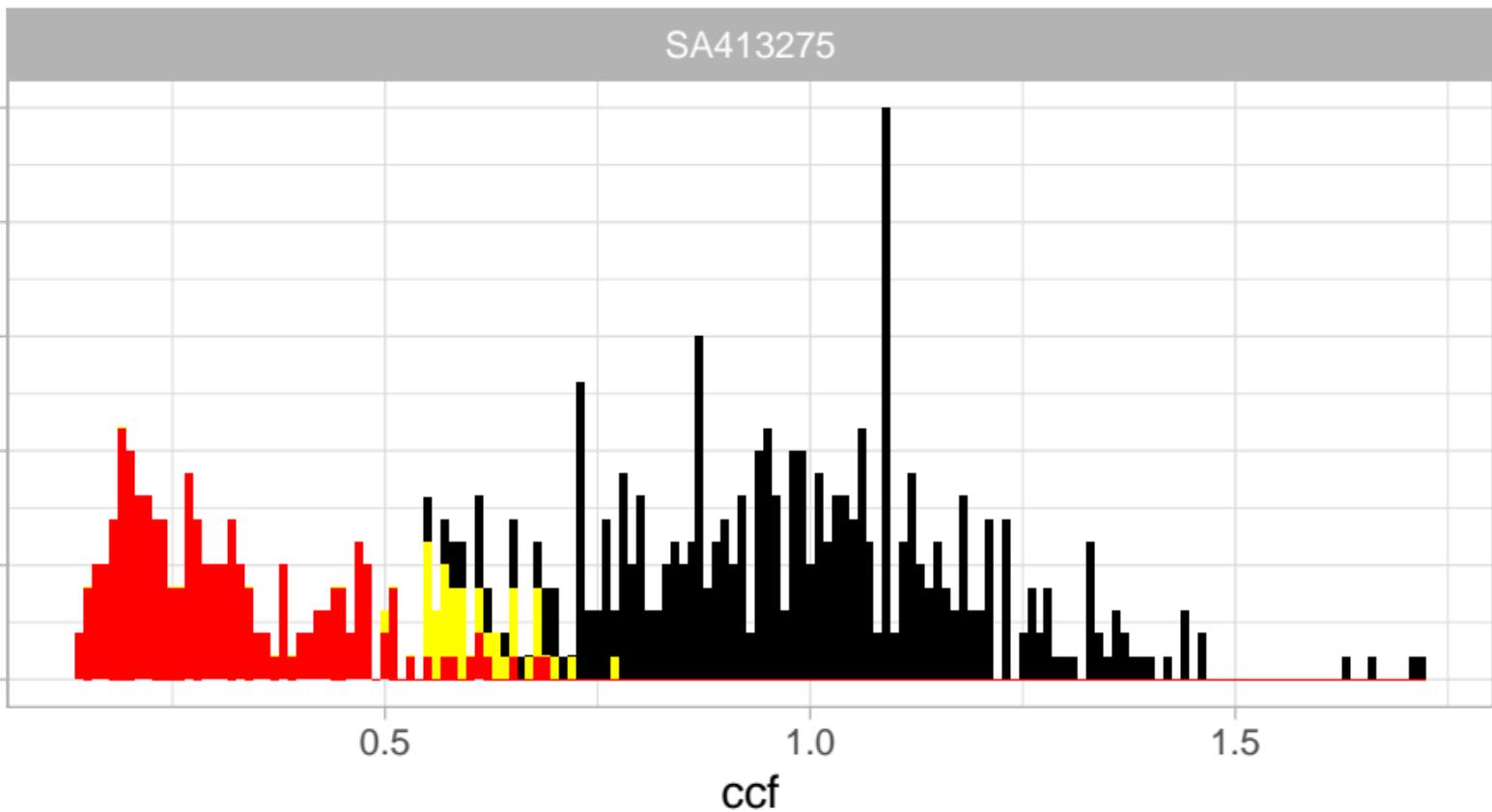
count

25
20
15
10
5
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA320944

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413272

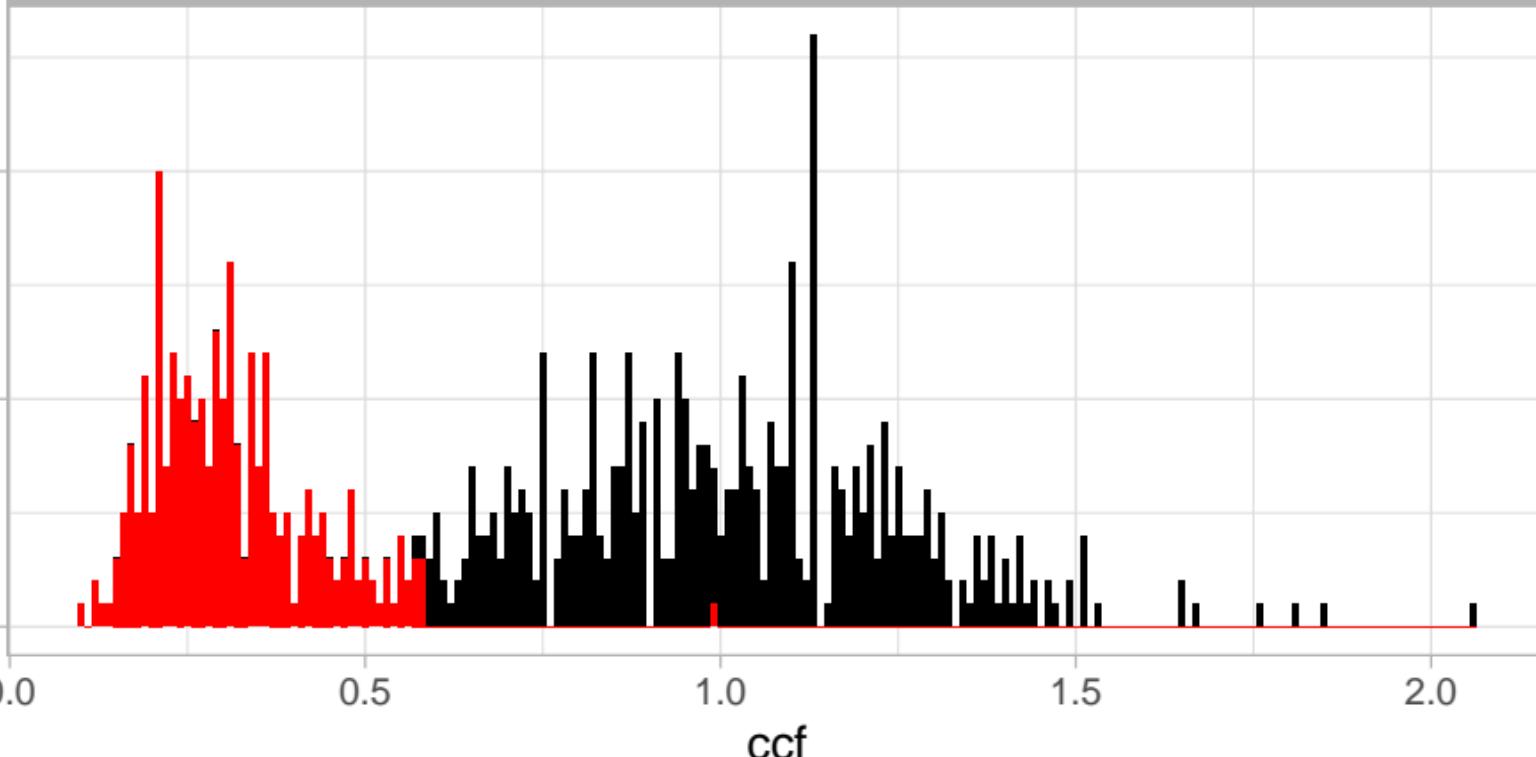
count

20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA543305

count

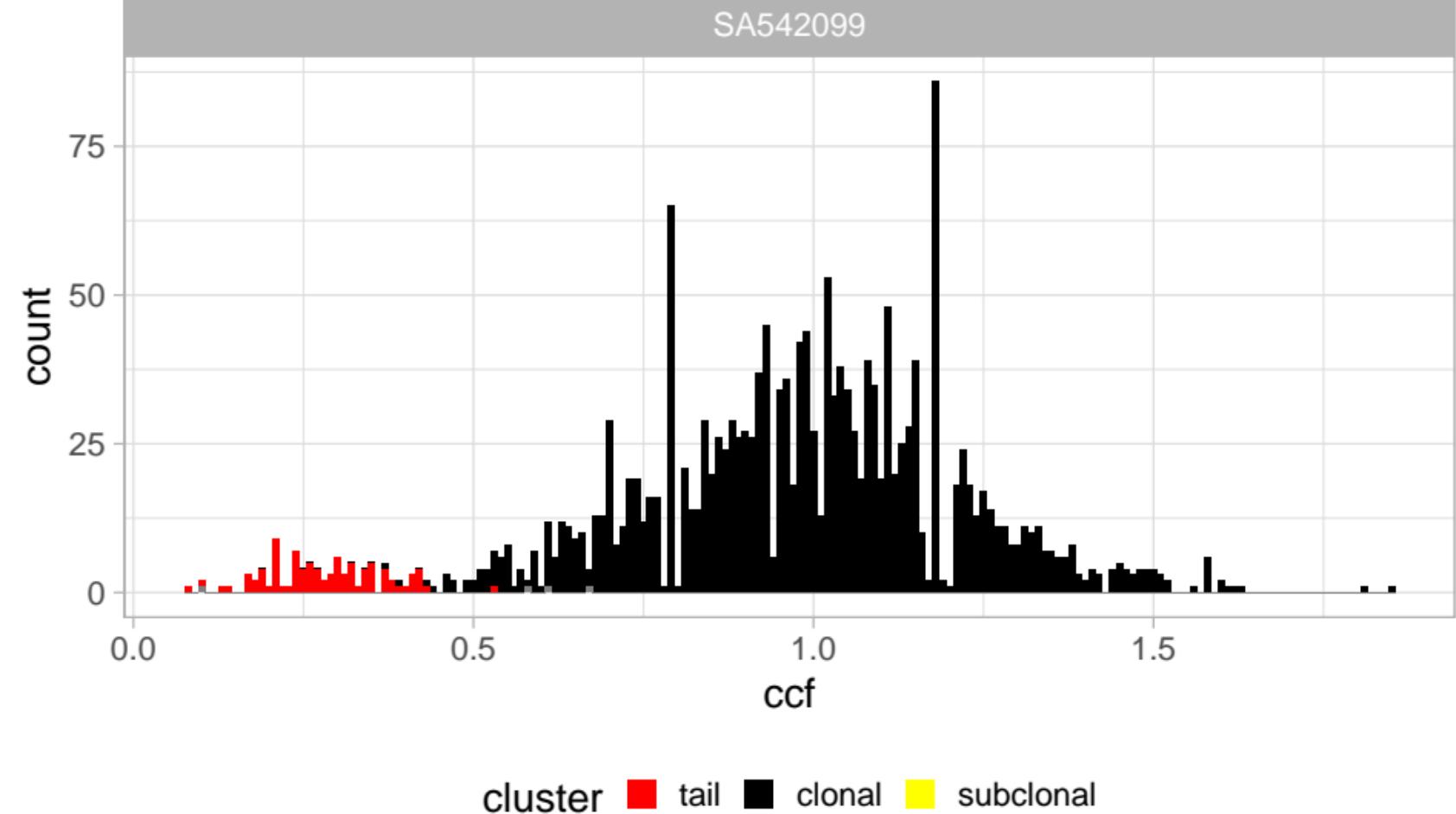
200
150
100
50
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

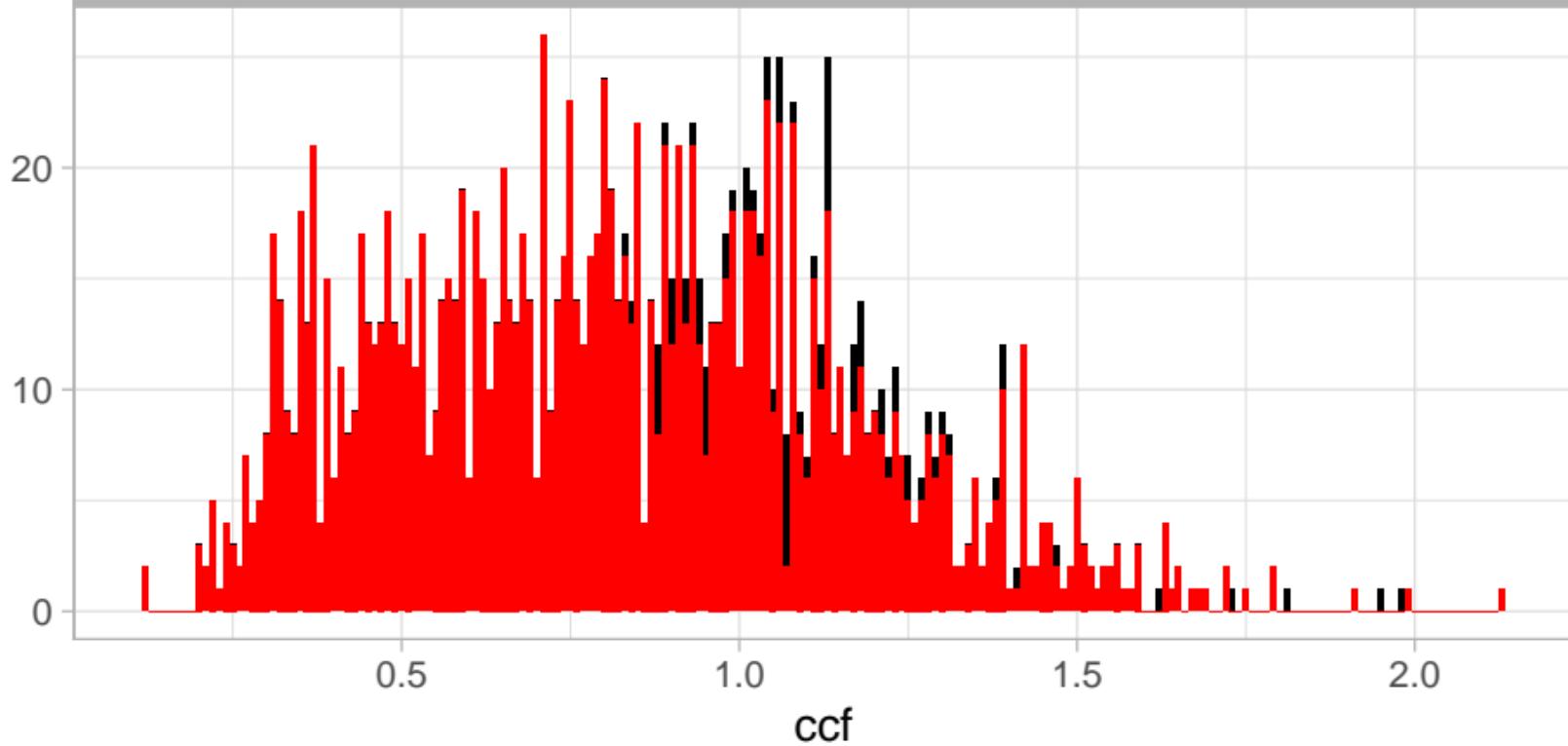
cluster tail clonal subclonal

SA542099



SA414123

count



cluster ■ tail ■ clonal ■ subclonal

SA542152

count

300

200

100

0

0.0

0.5

1.0

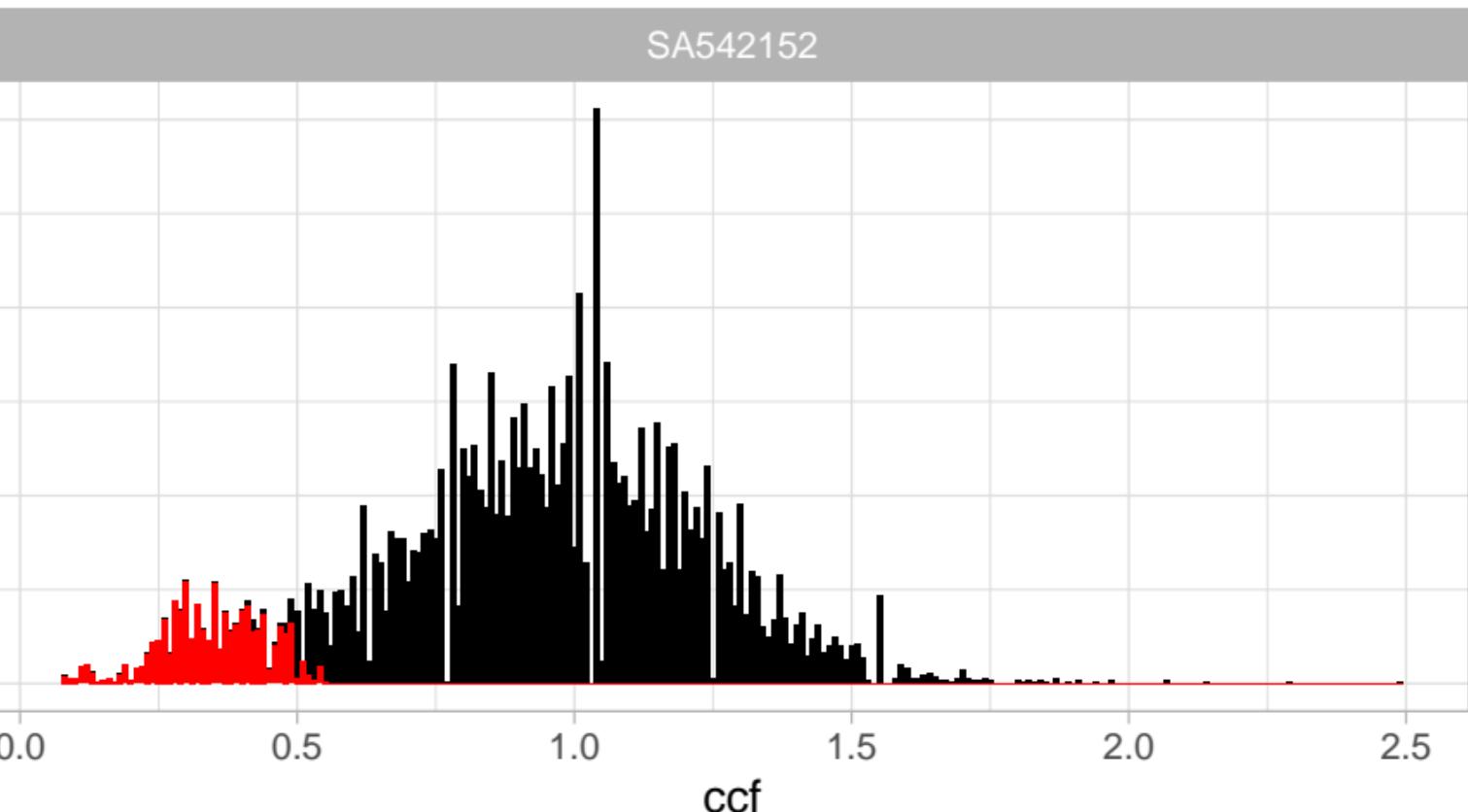
1.5

2.0

2.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA557393

count

600

400

200

0

0.0

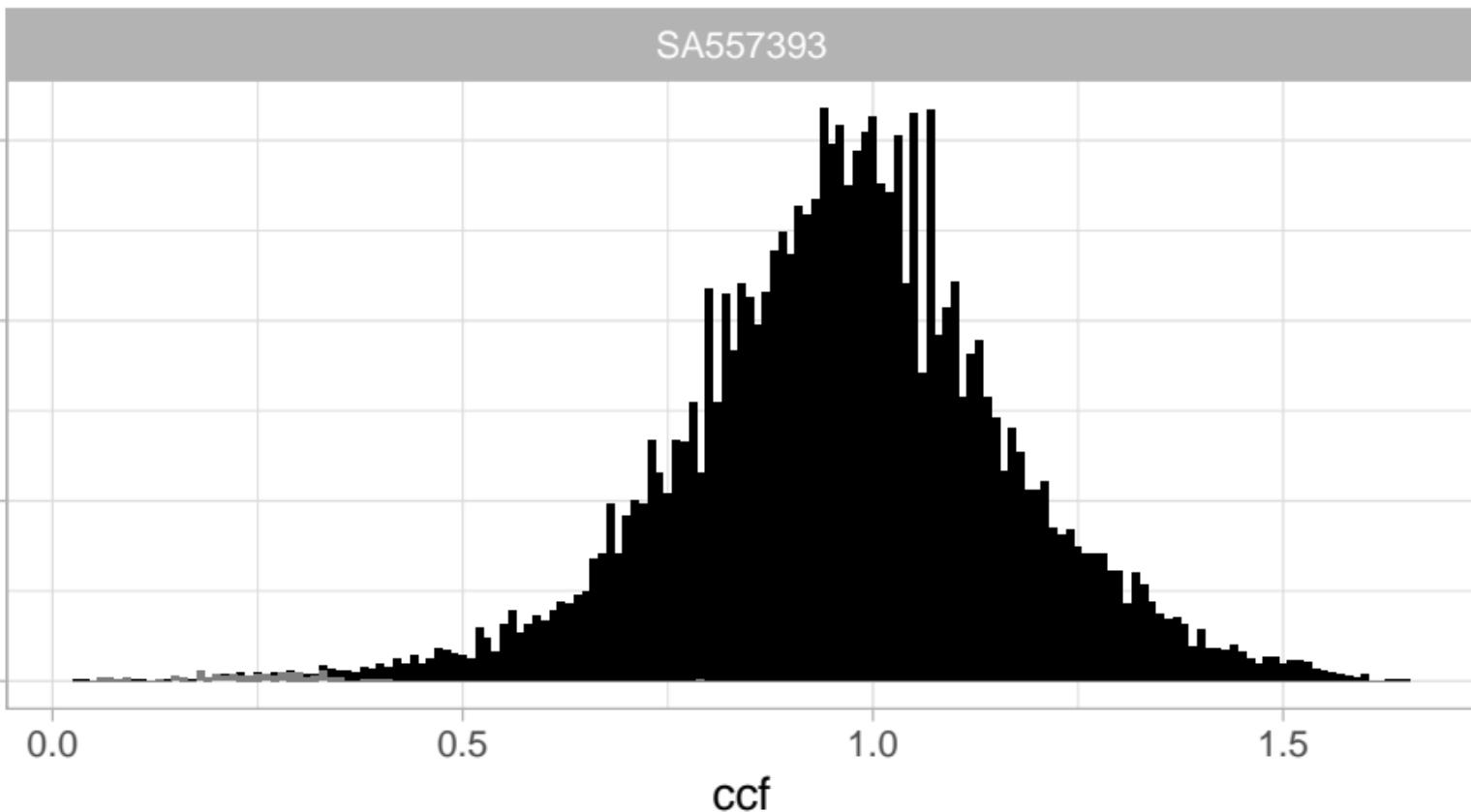
0.5

1.0

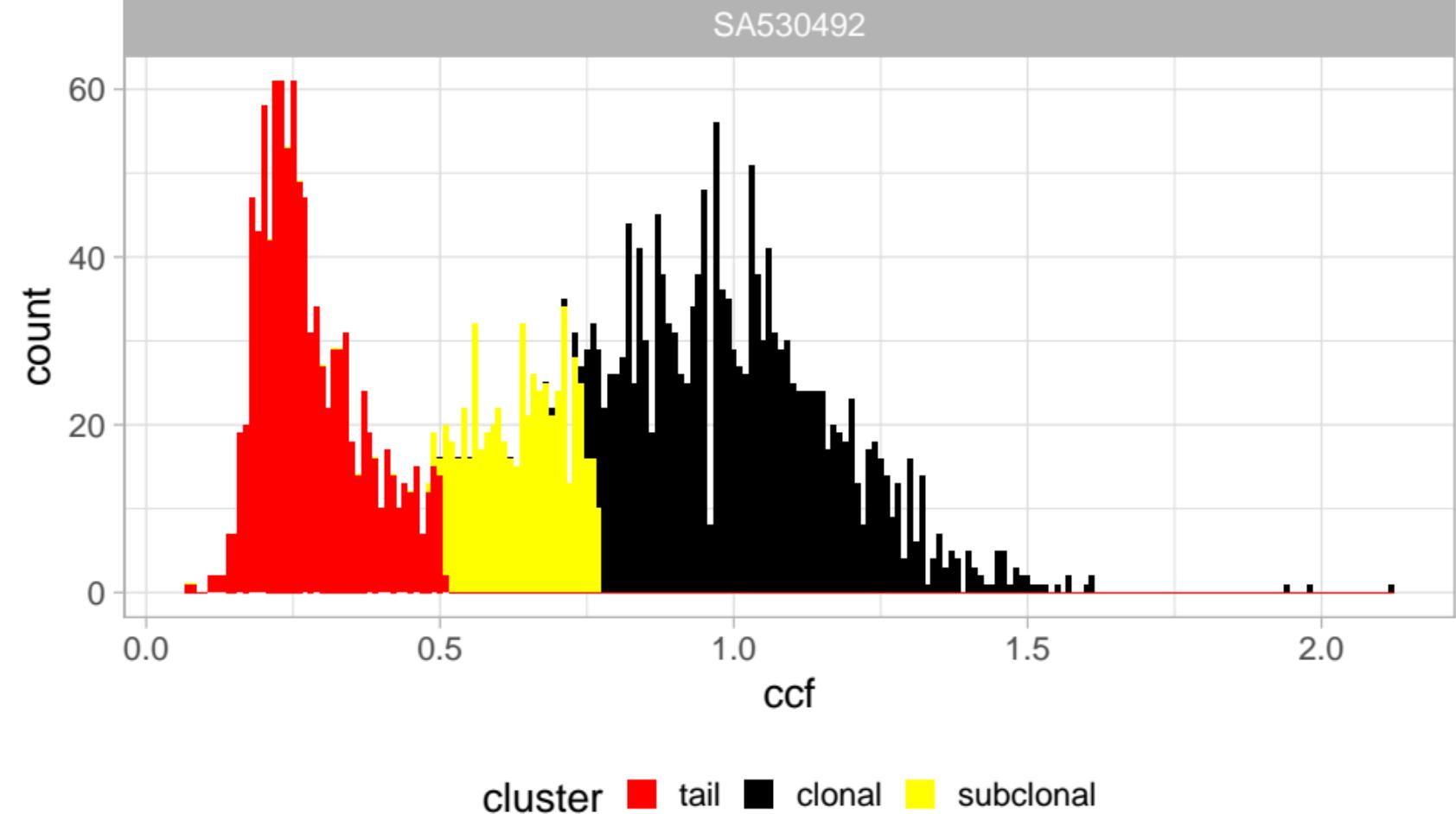
1.5

ccf

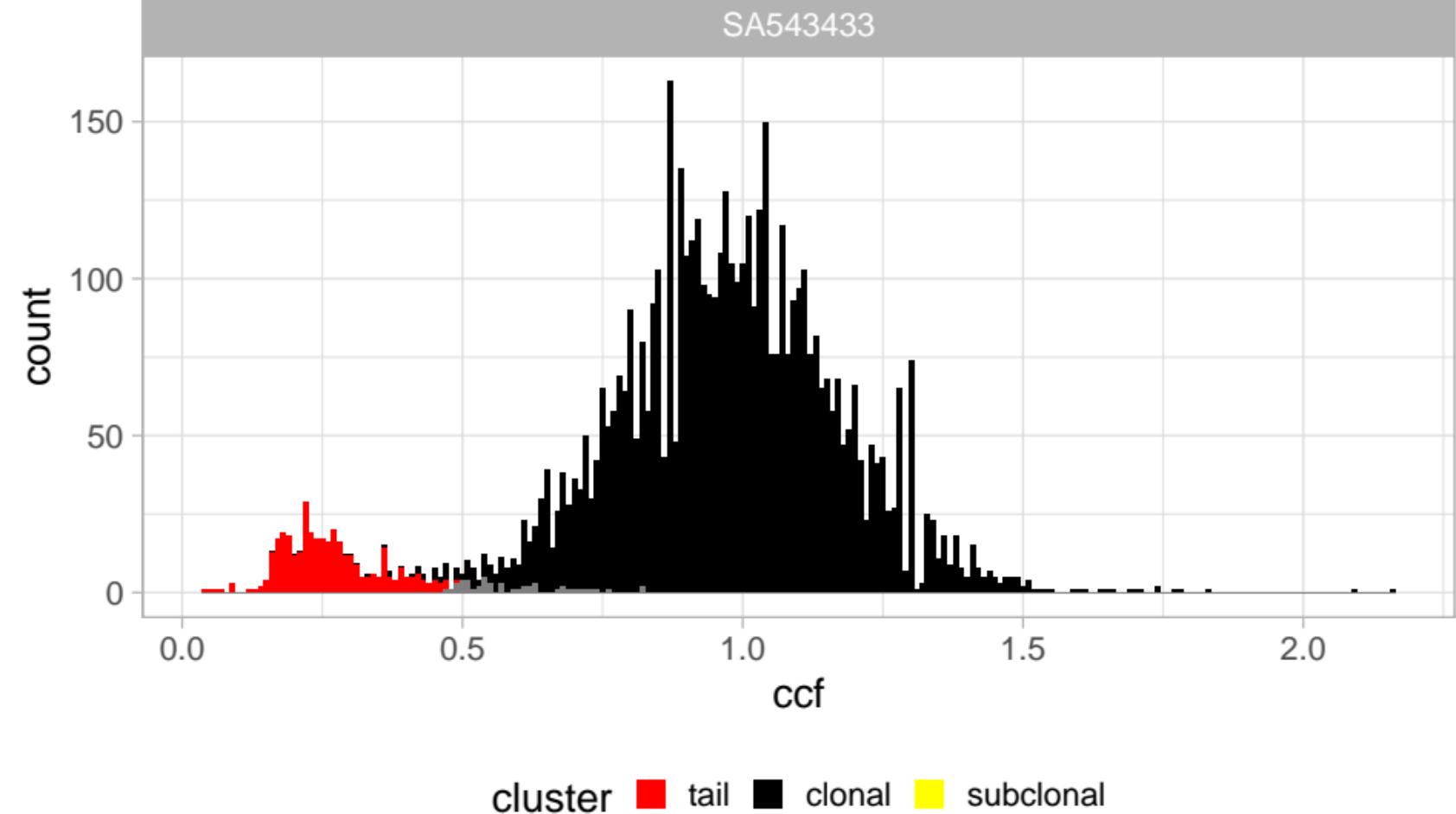
cluster tail clonal subclonal



SA530492



SA543433



SA517264

count

40

20

0

0.0

0.5

1.0

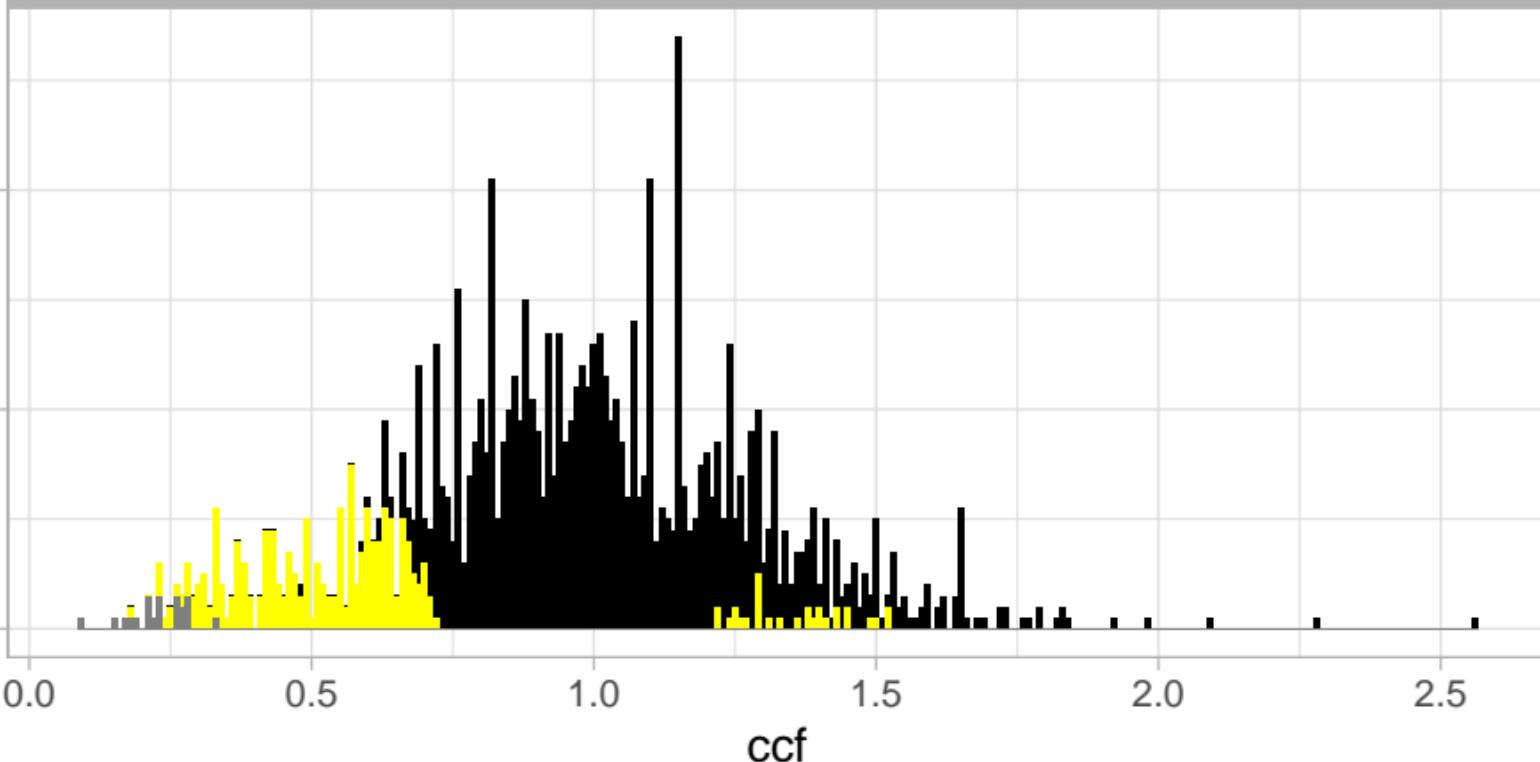
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA529774

count

600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA507385

count

60

40

20

0

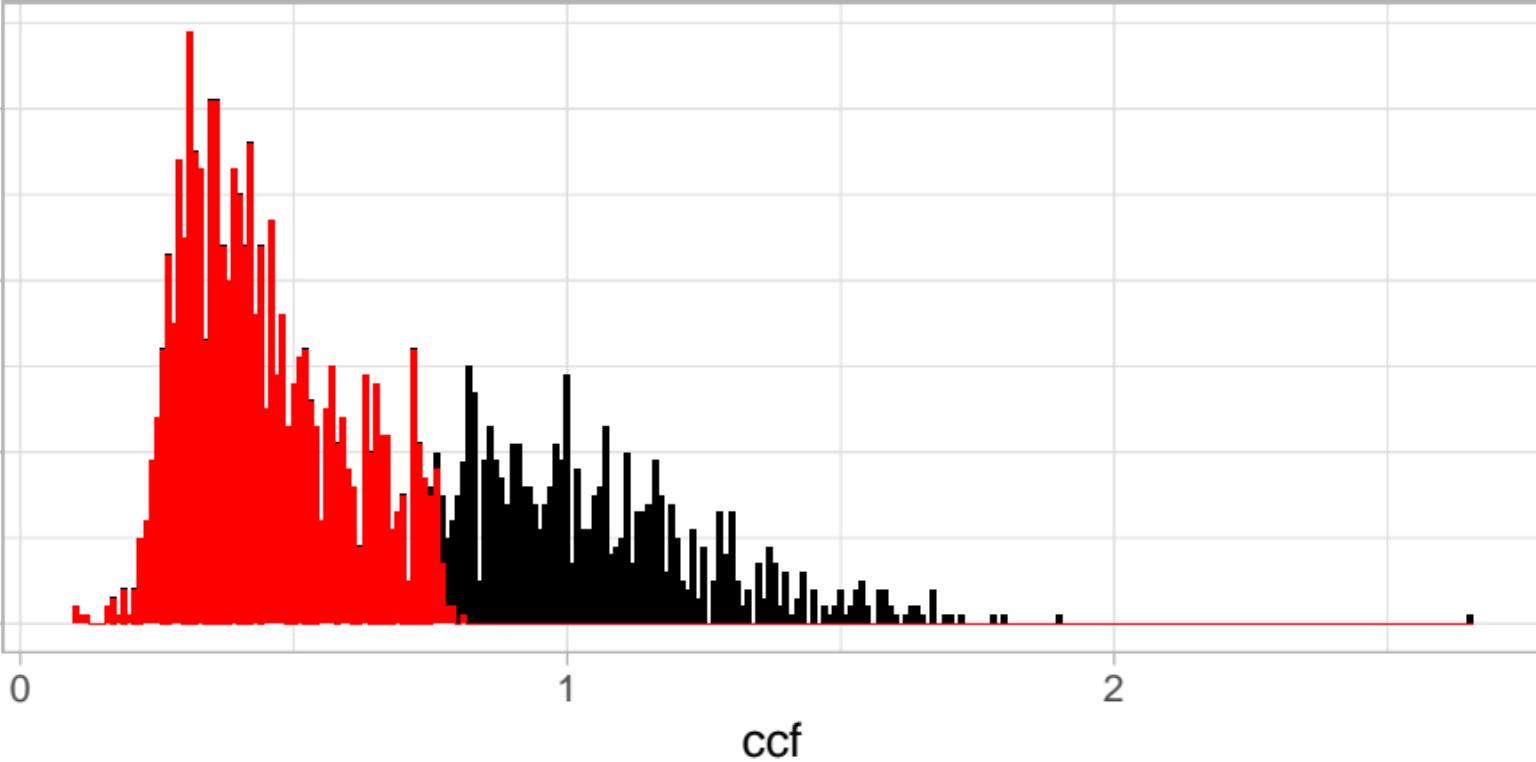
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501419

count

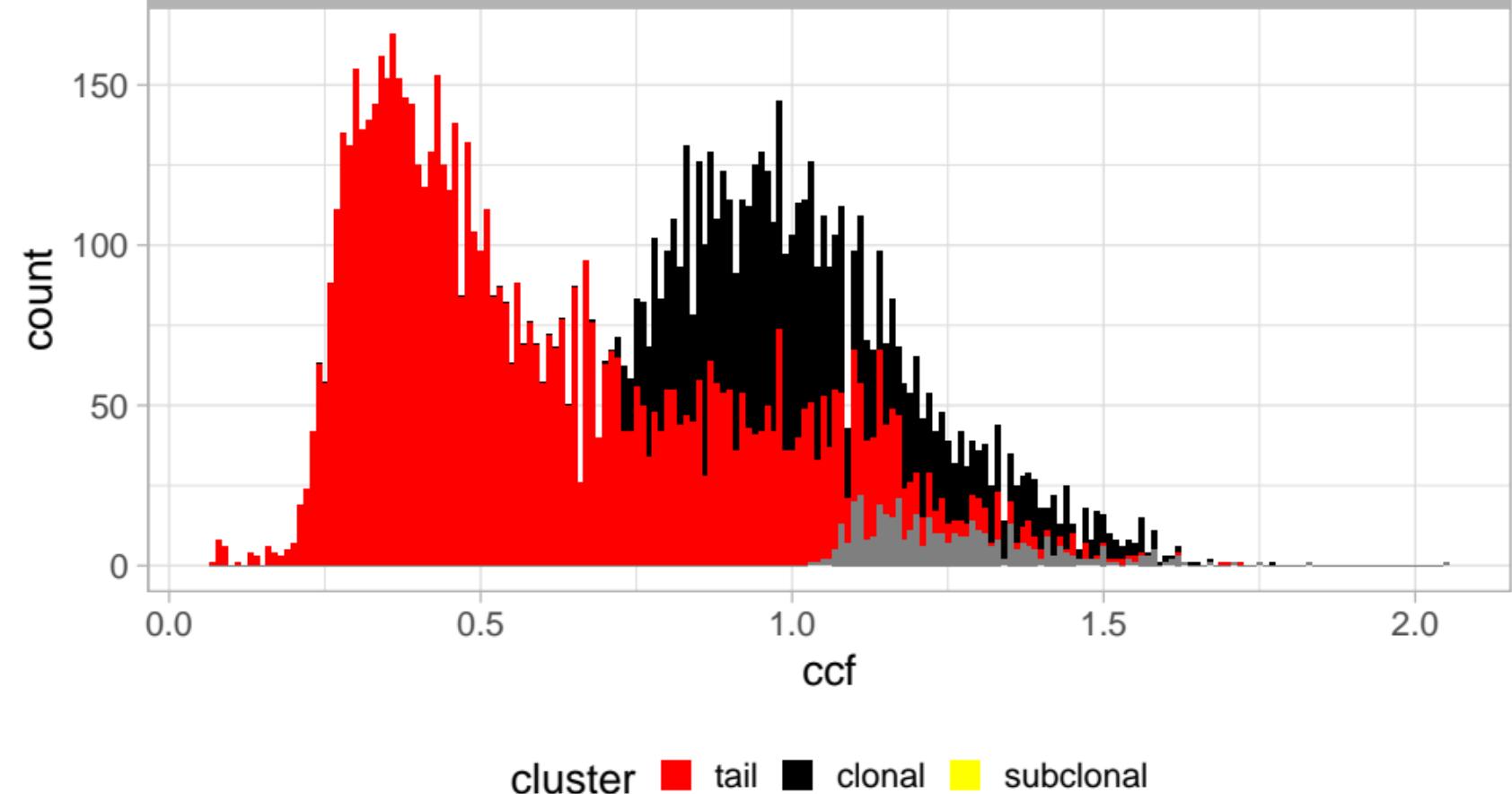
500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA505539



SA507484

count

150
100
50
0

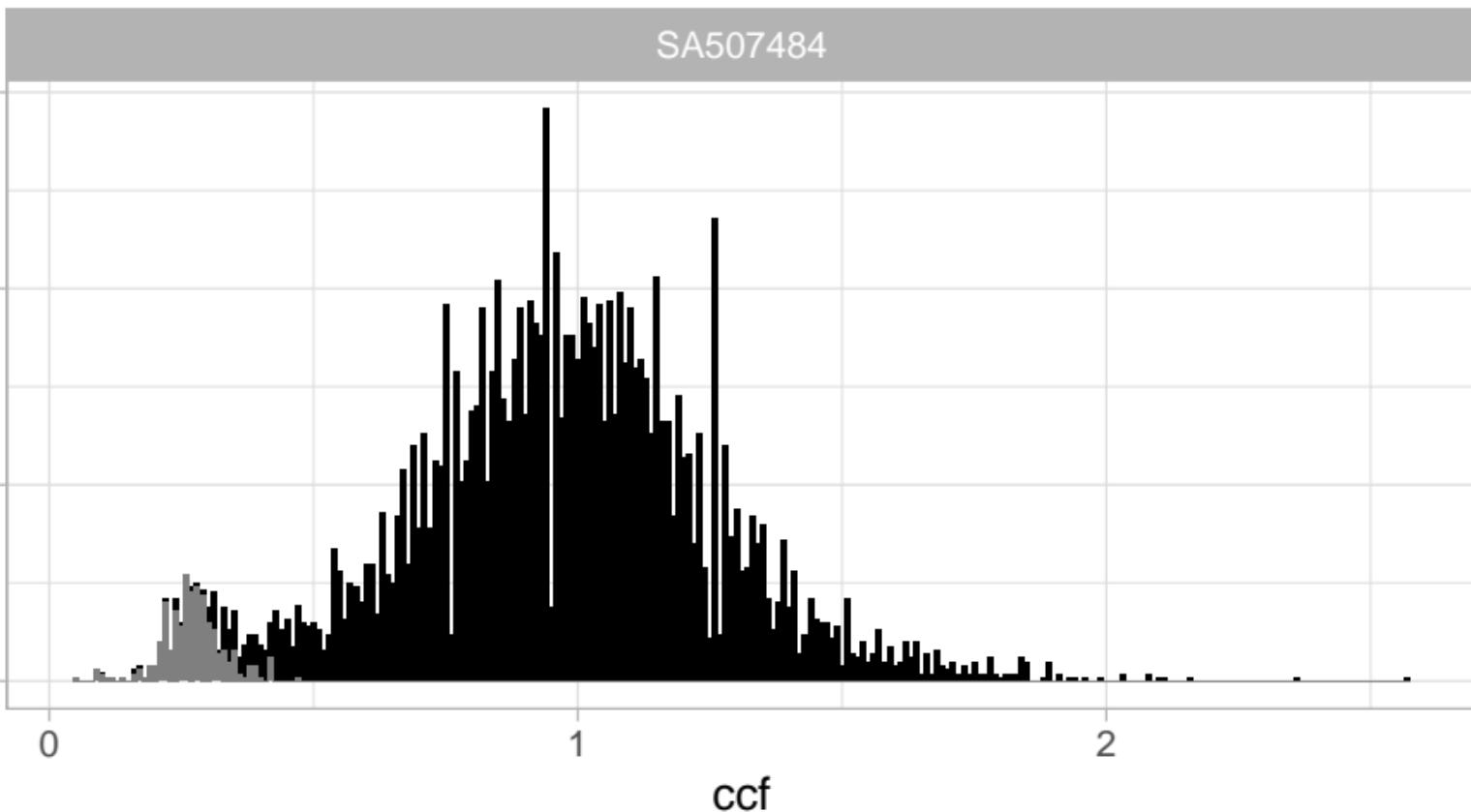
0

1

2

ccf

cluster tail clonal subclonal



SA501407

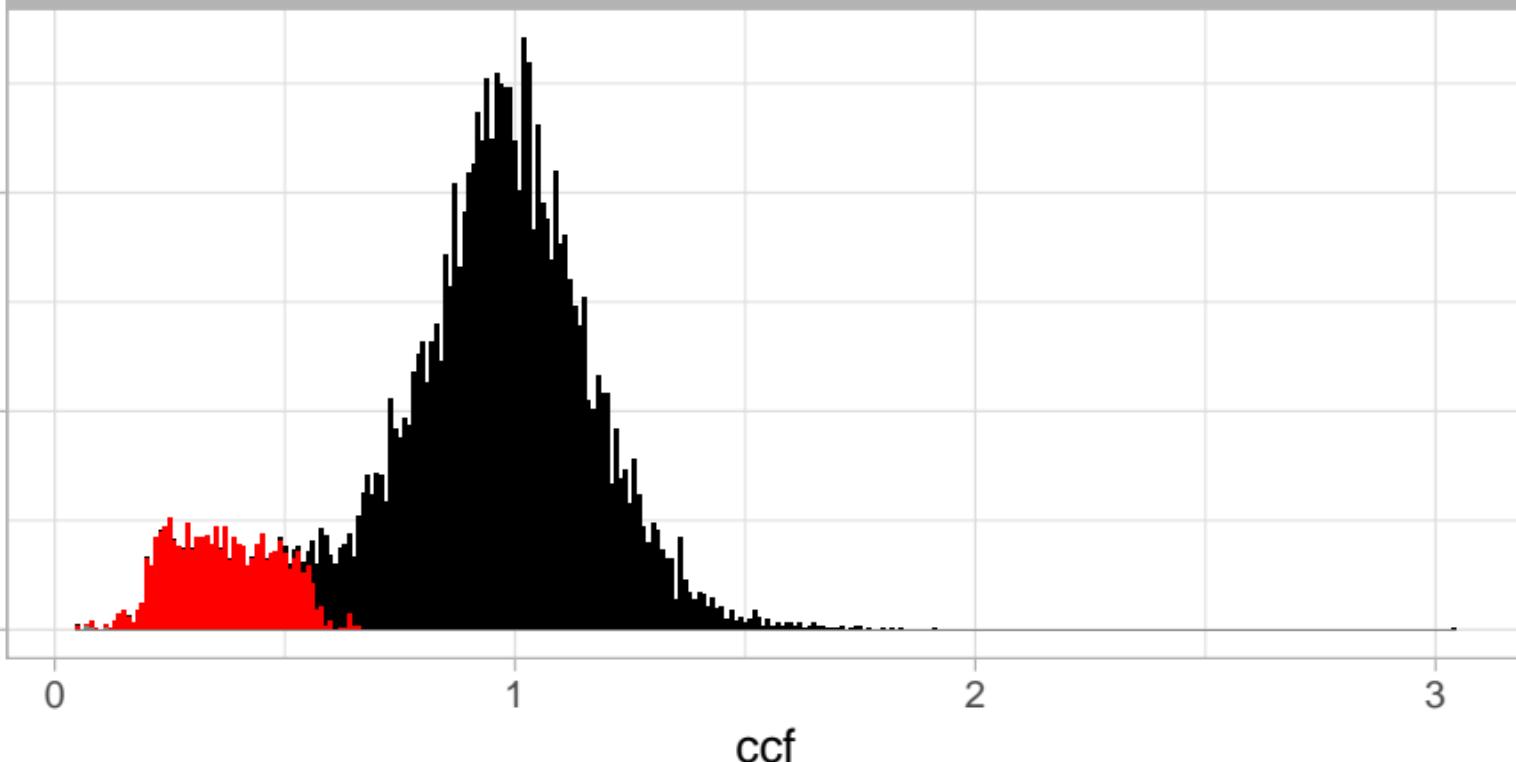
count

200
100
0

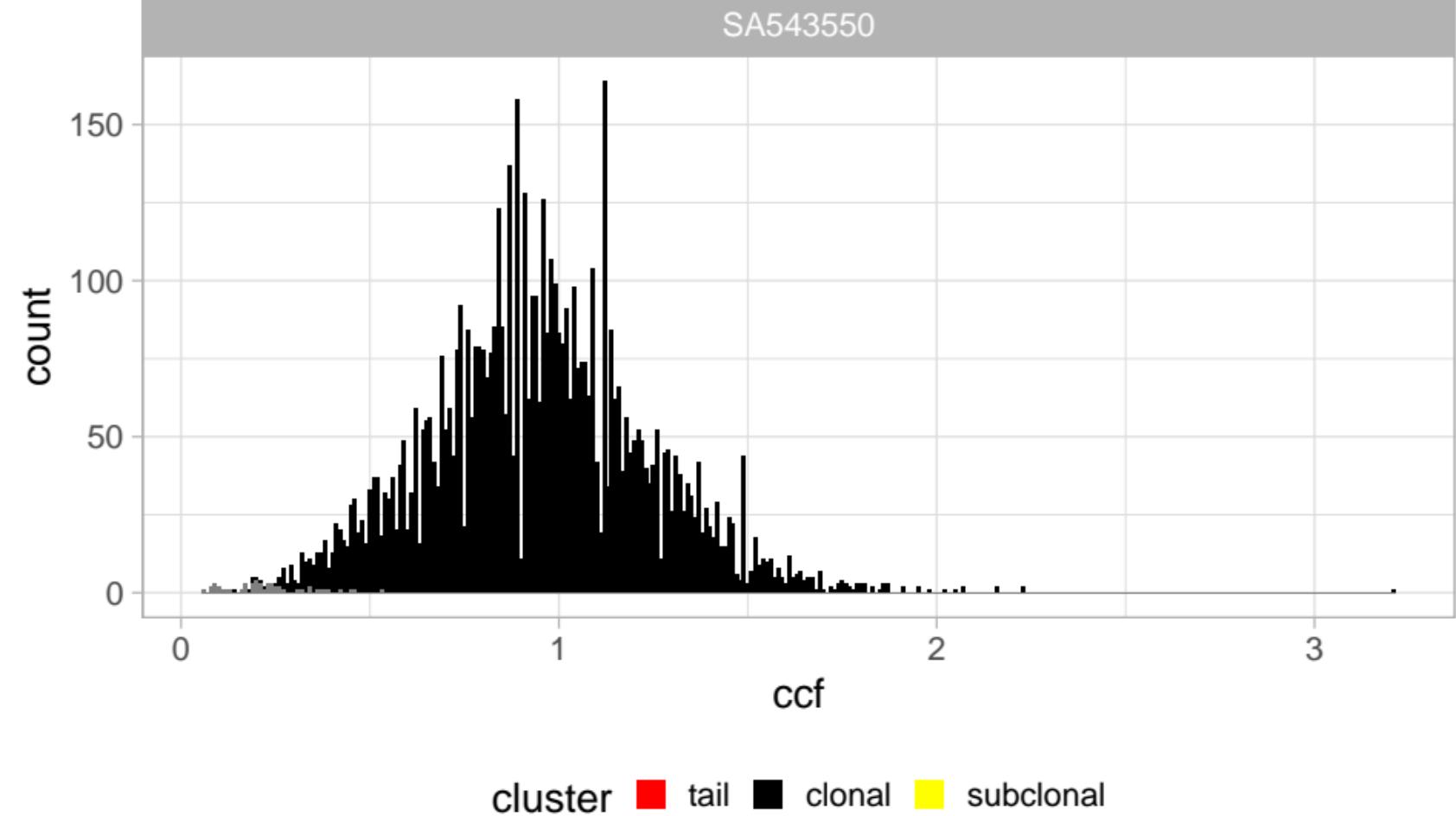
0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA543550



SA529777

count

600
400
200
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA542179

count

100

75

50

25

0

0.0

0.5

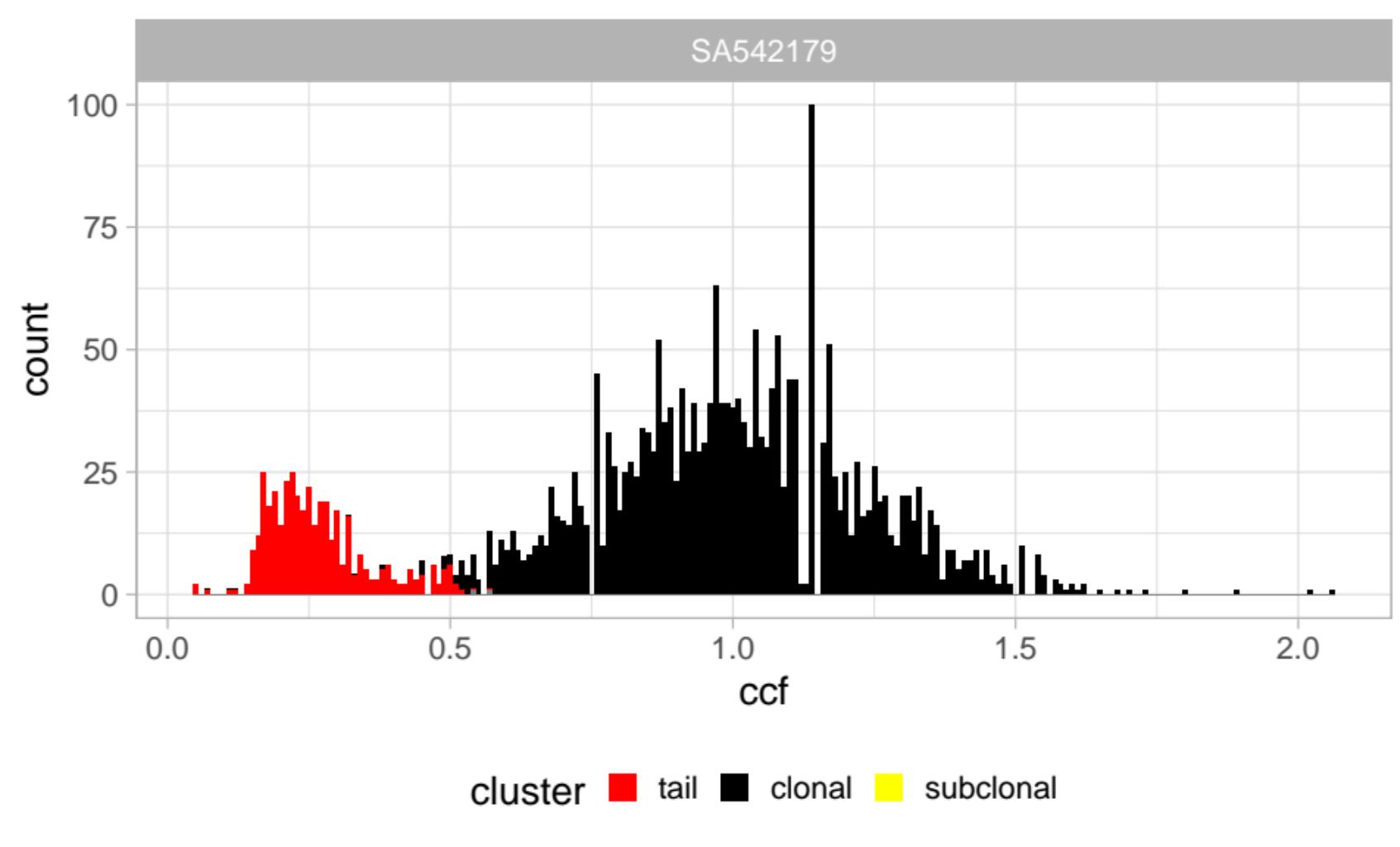
1.0

1.5

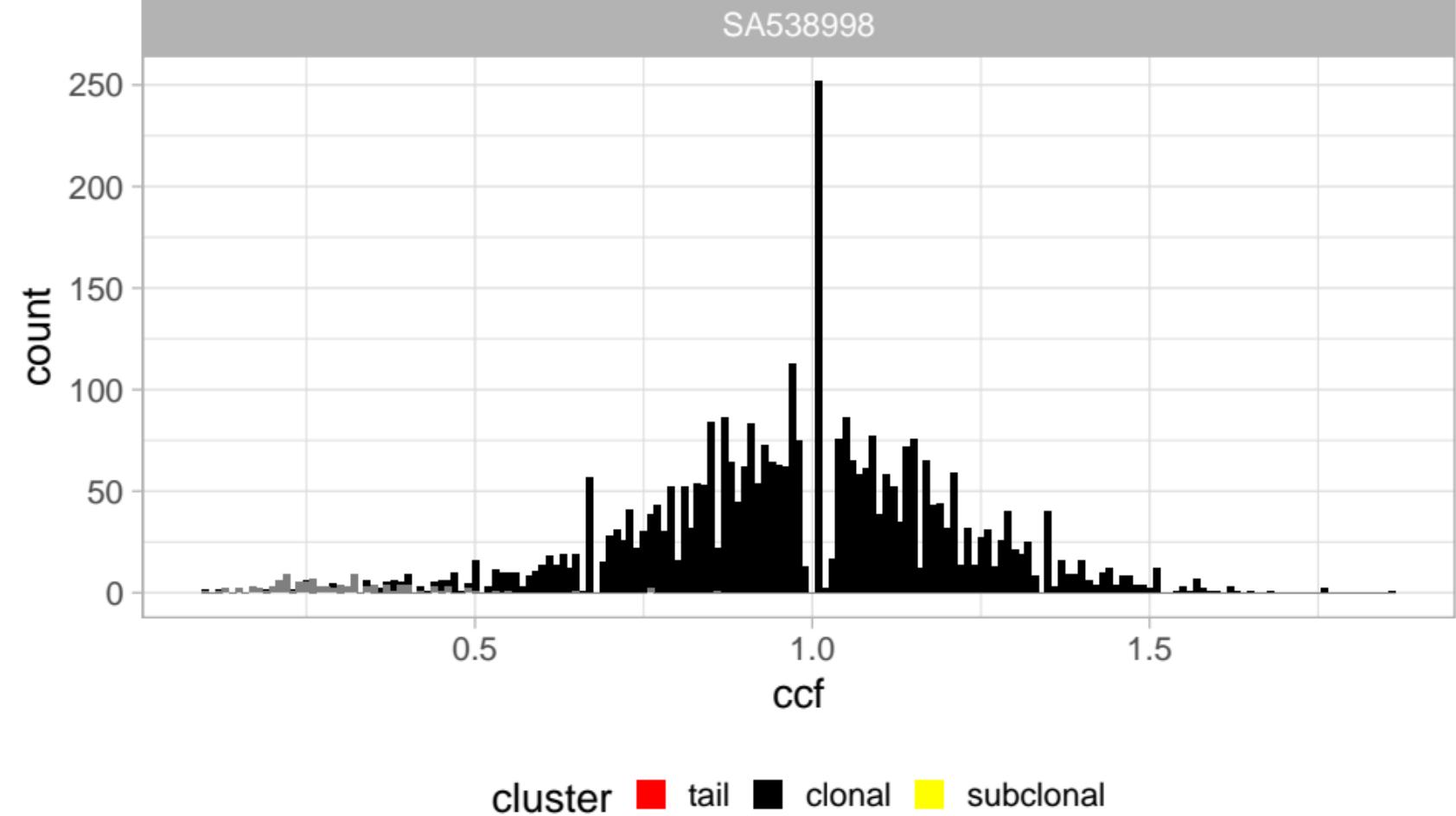
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal

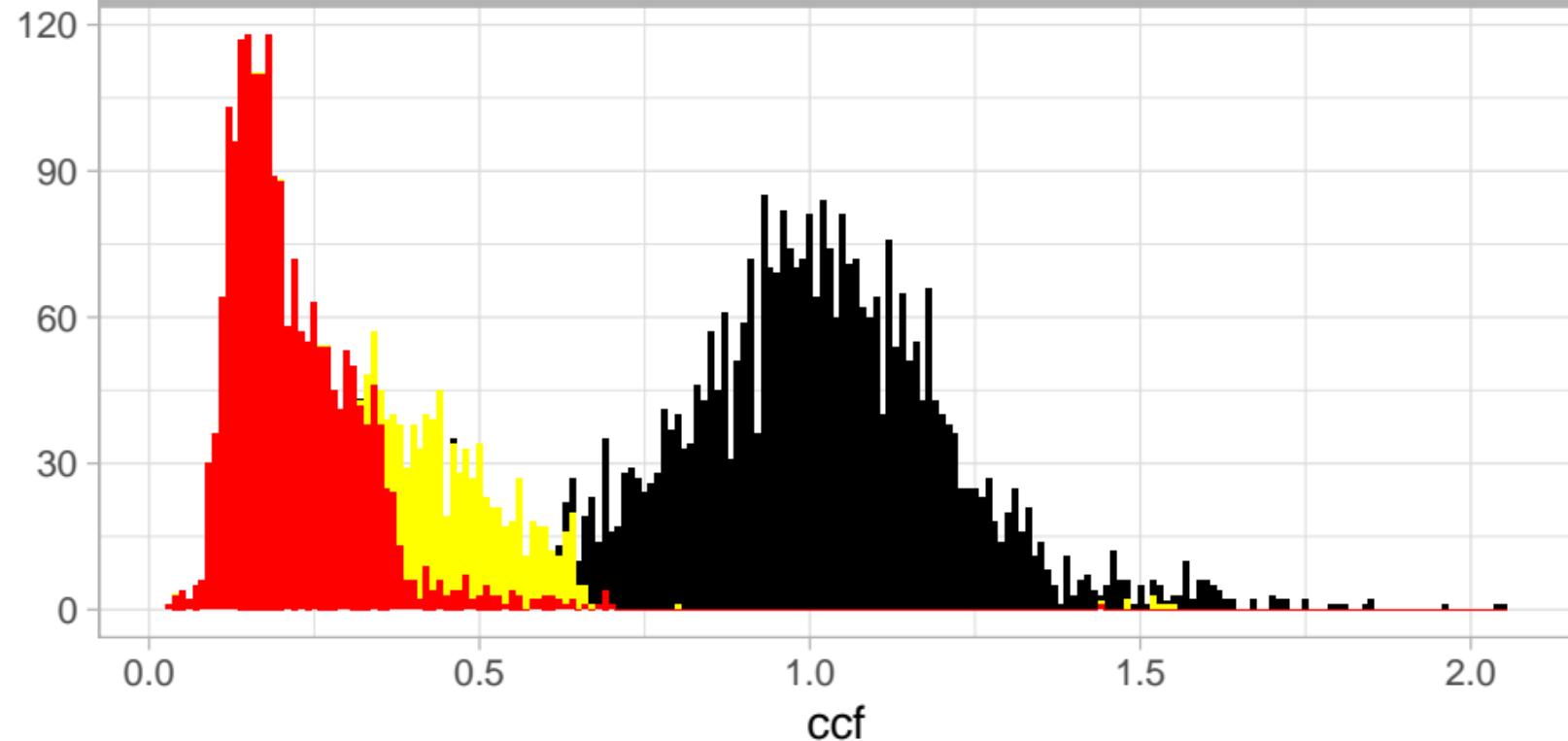


SA538998



SA410892

count



cluster ■ tail ■ clonal ■ subclonal

SA570849

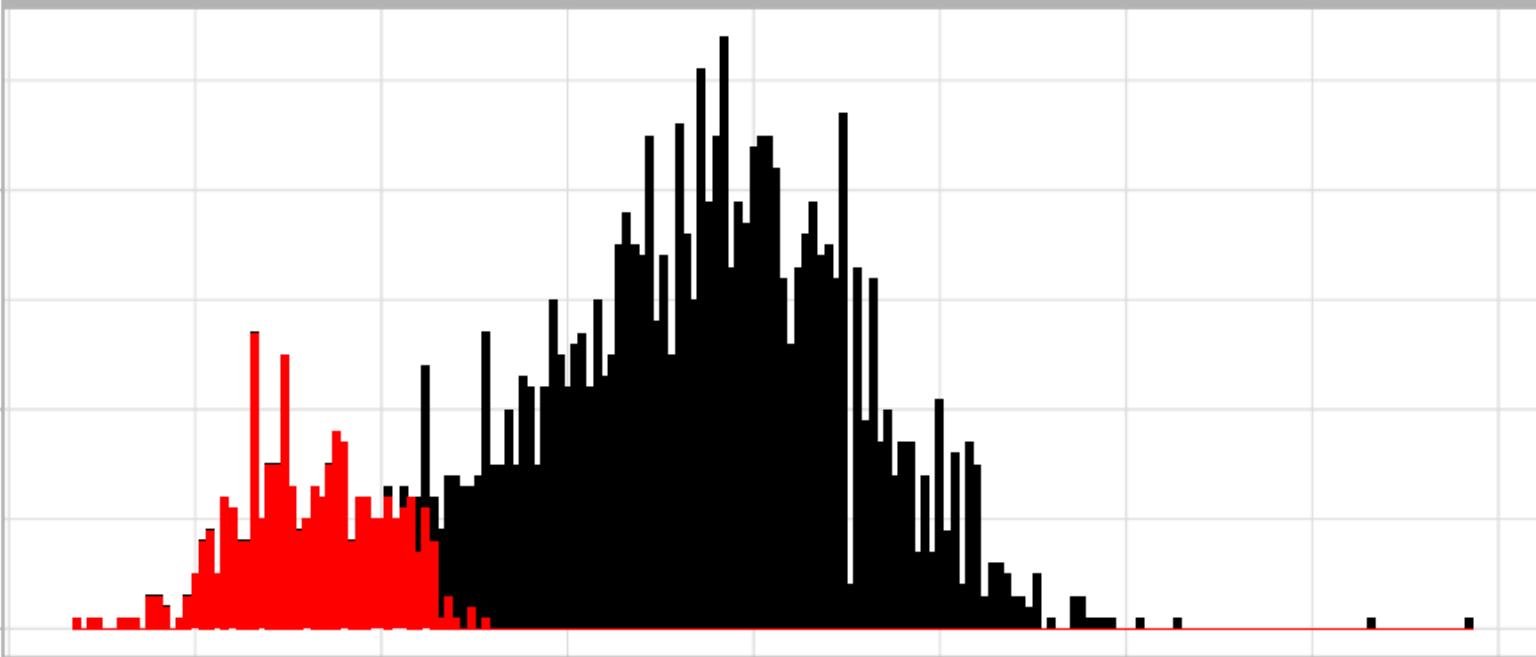
count

40
20
0

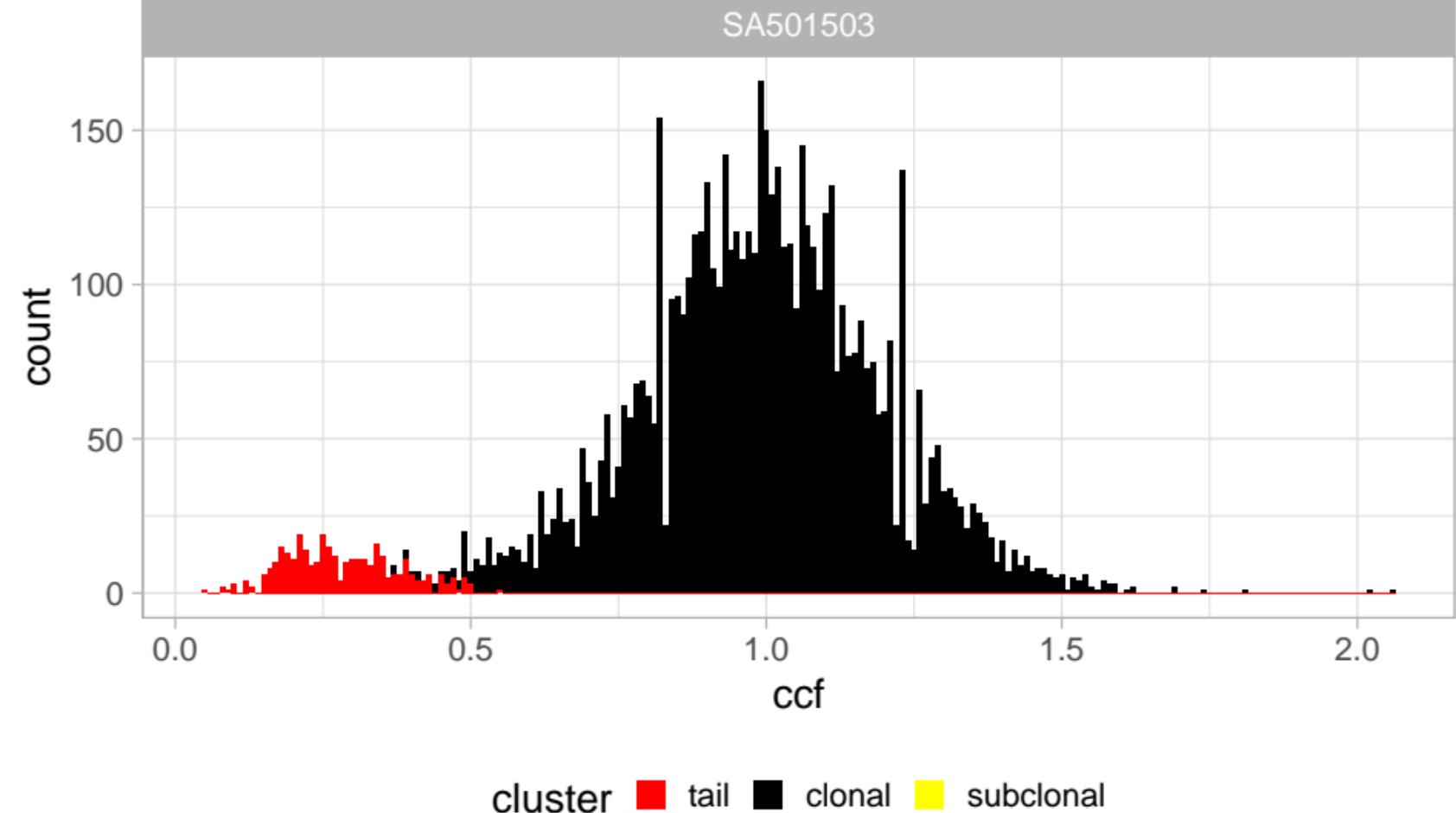
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA501503



SA520262

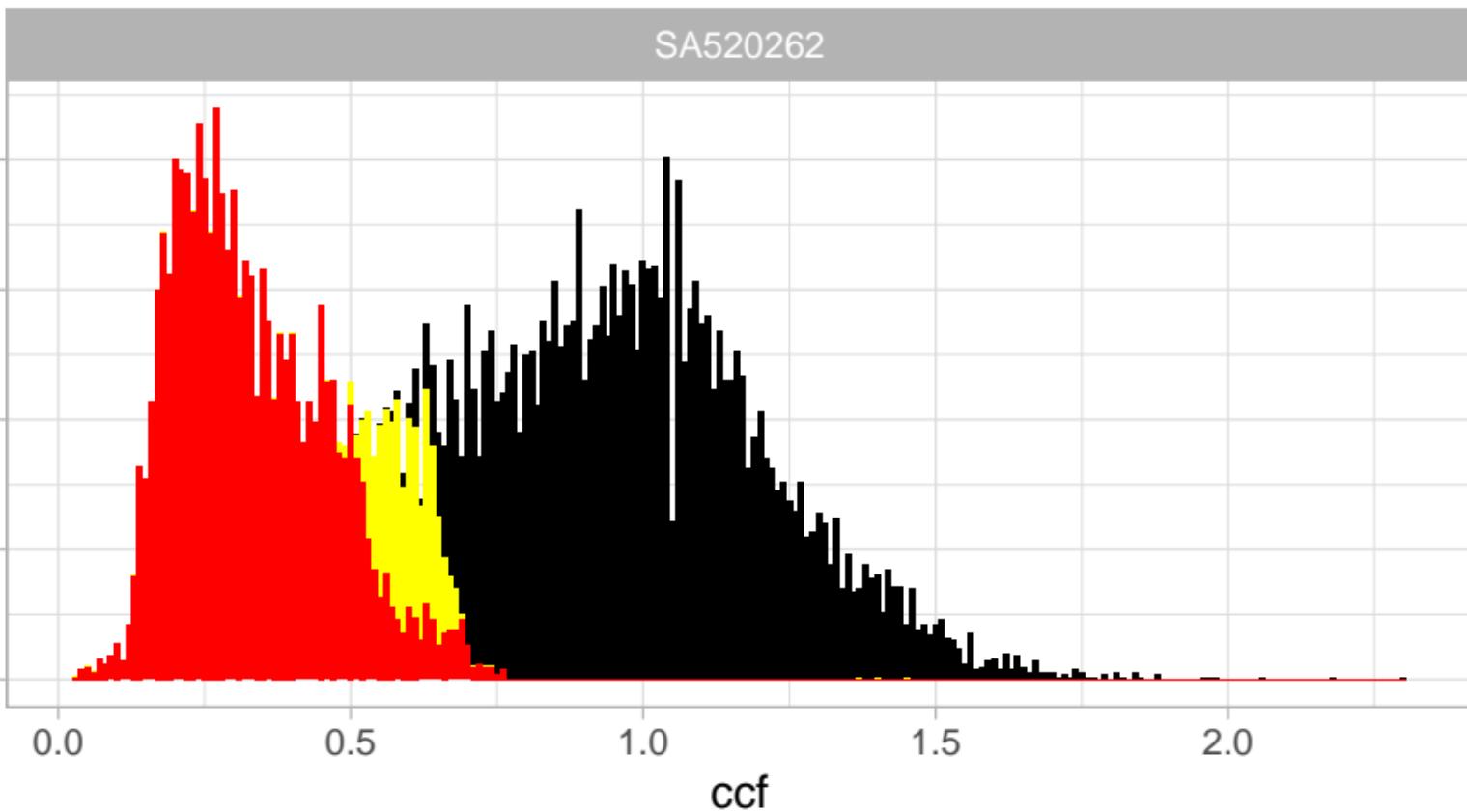
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557519

count

9000
6000
3000
0

0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal

SA505750

count

150
100
50
0

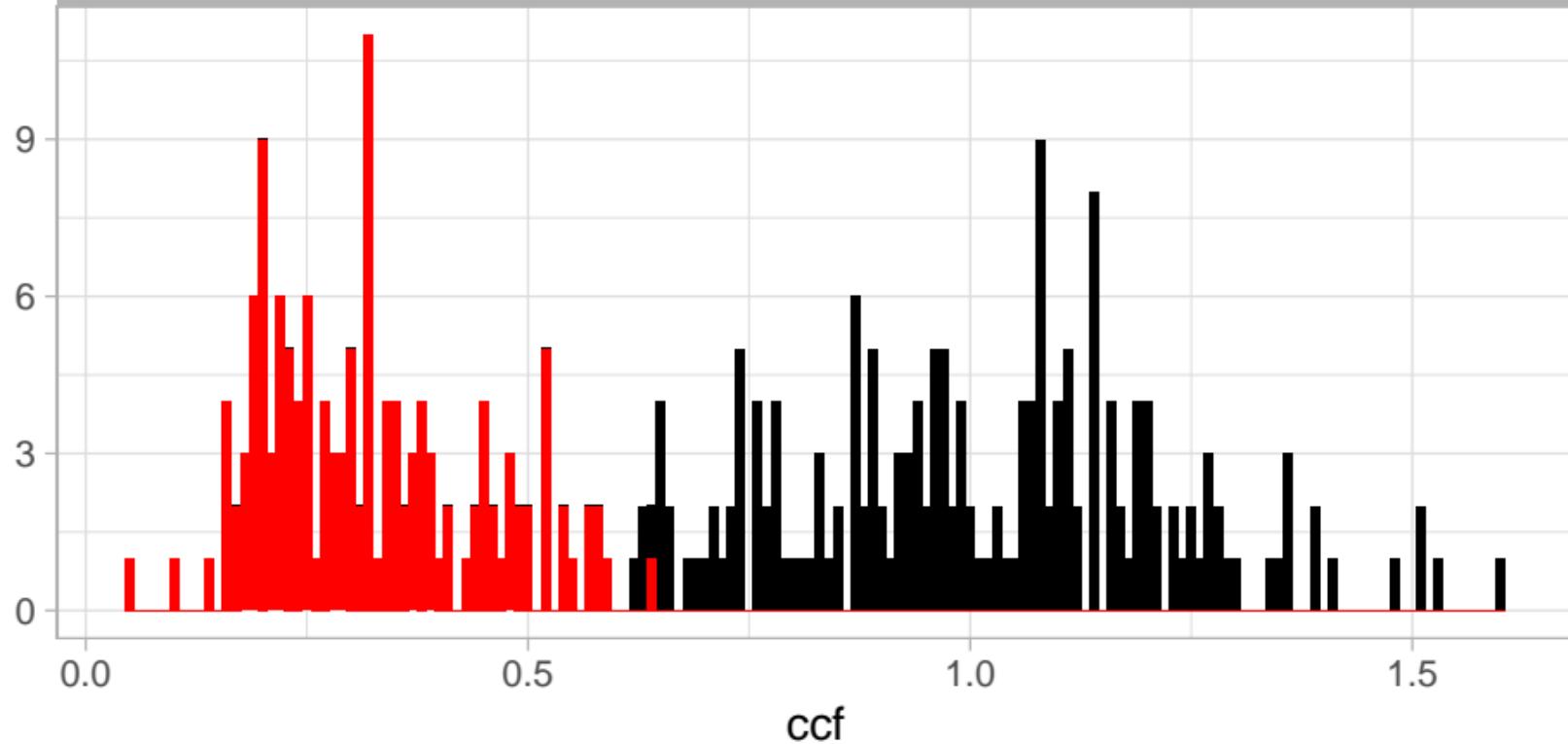
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

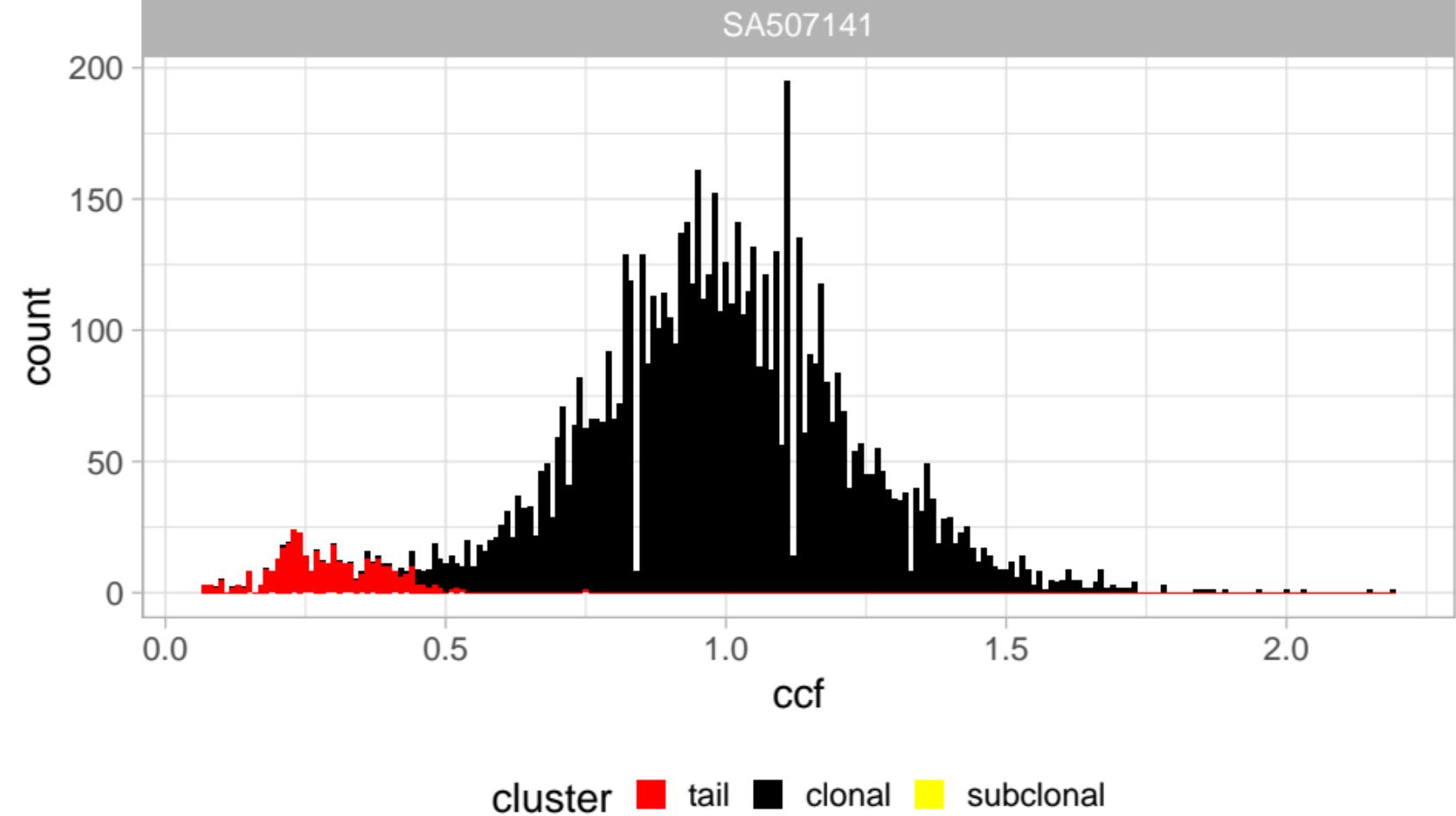
SA414203

count



cluster tail clonal subclonal

SA507141



SA411786

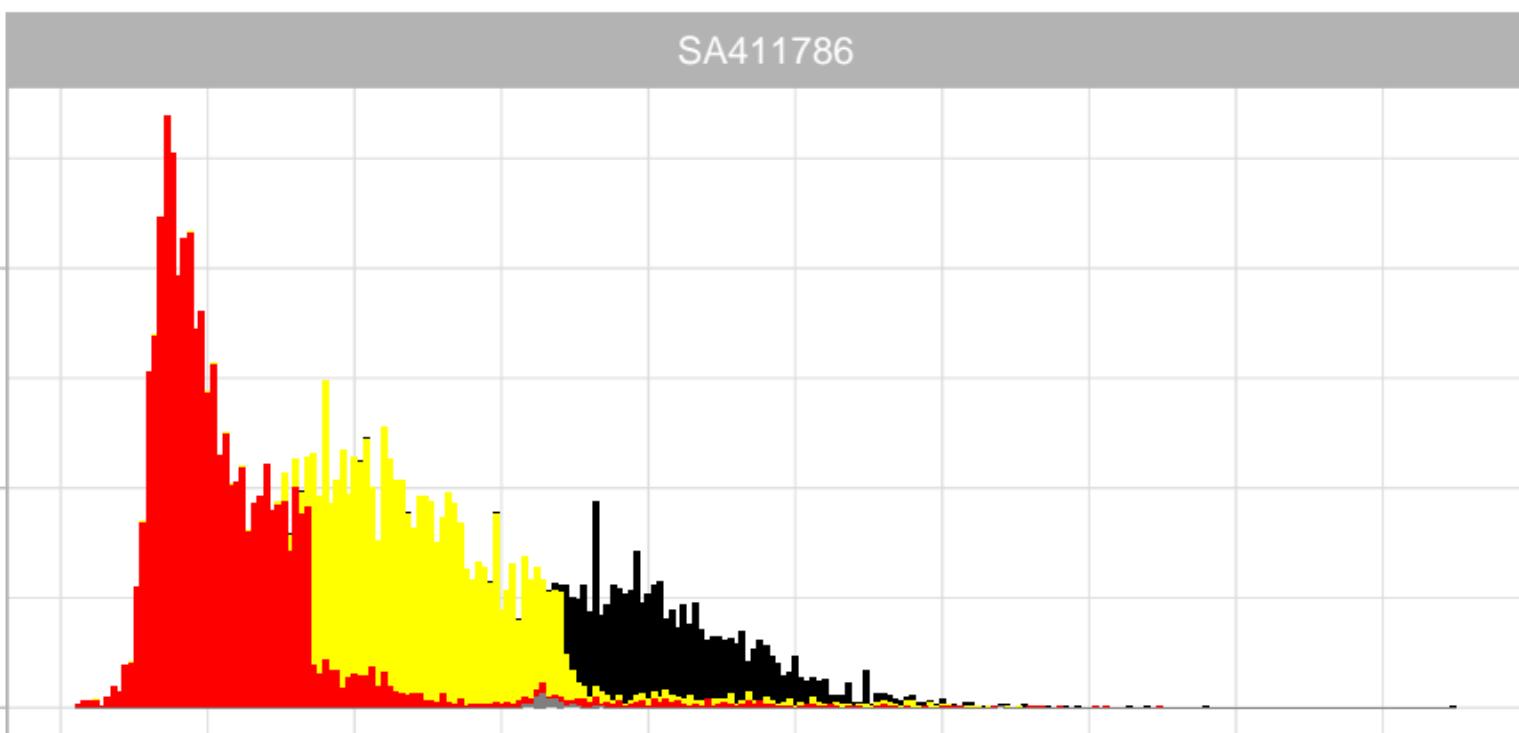
count

400
200
0

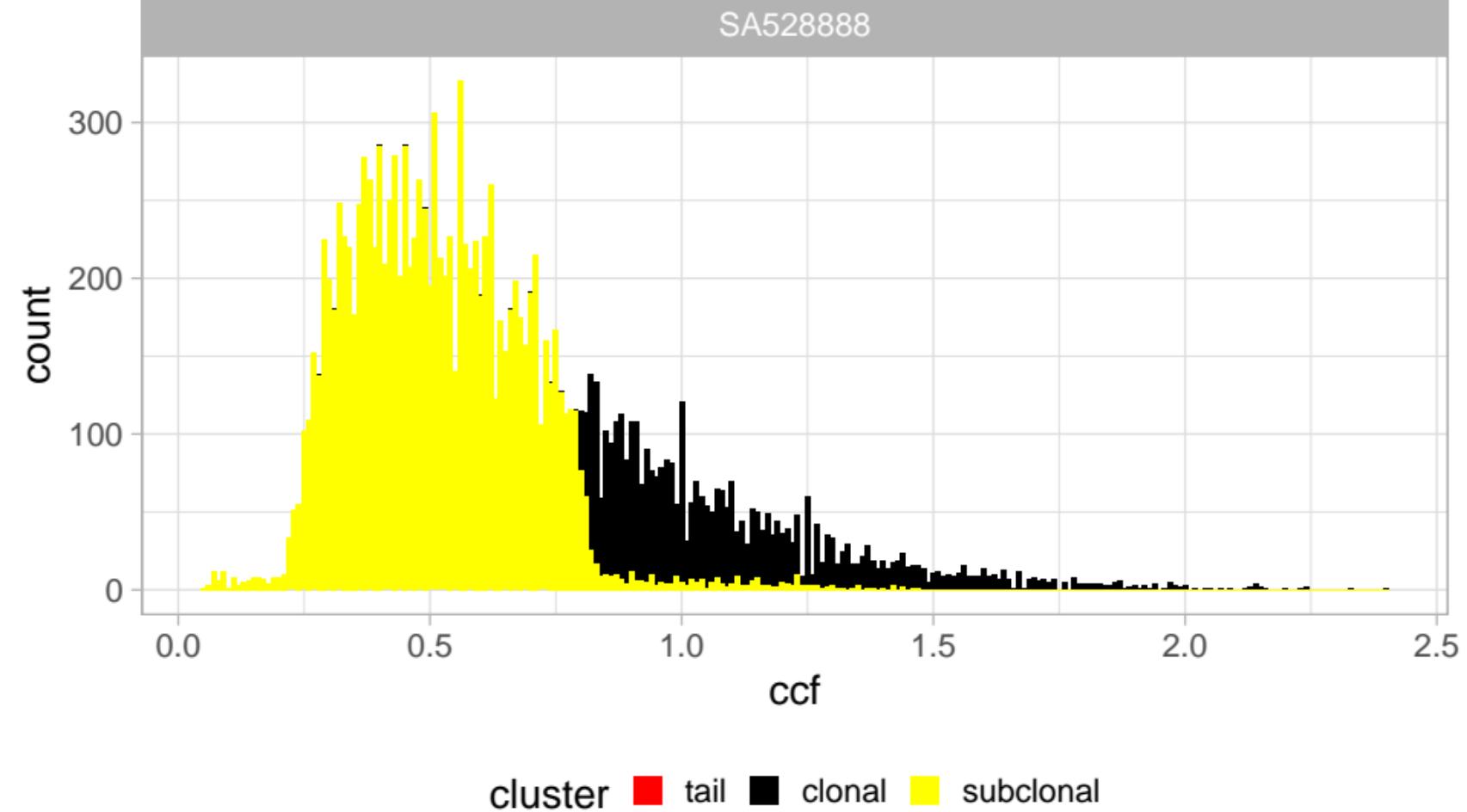
0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal

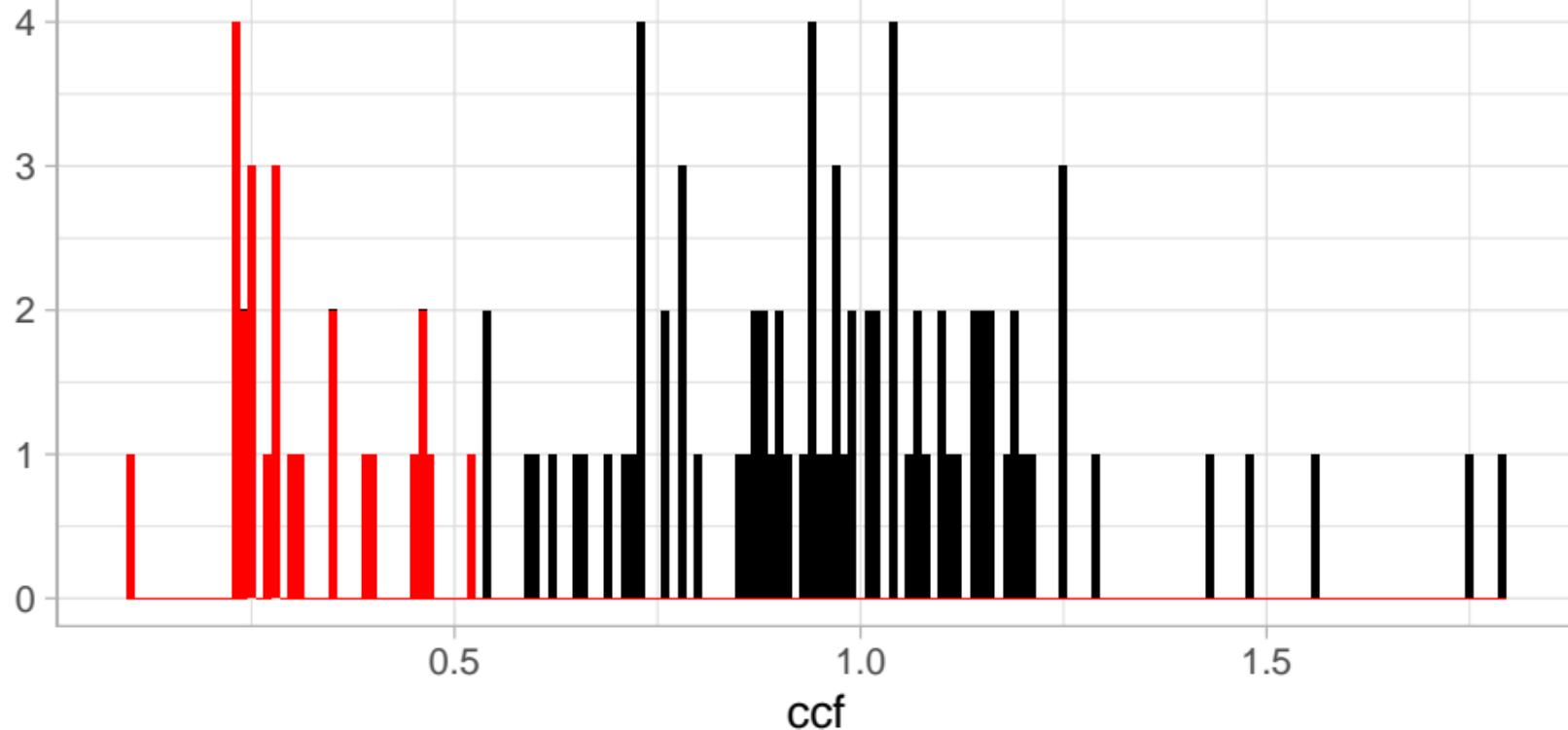


SA528888



SA413818

count



cluster ■ tail ■ clonal ■ subclonal

SA520282

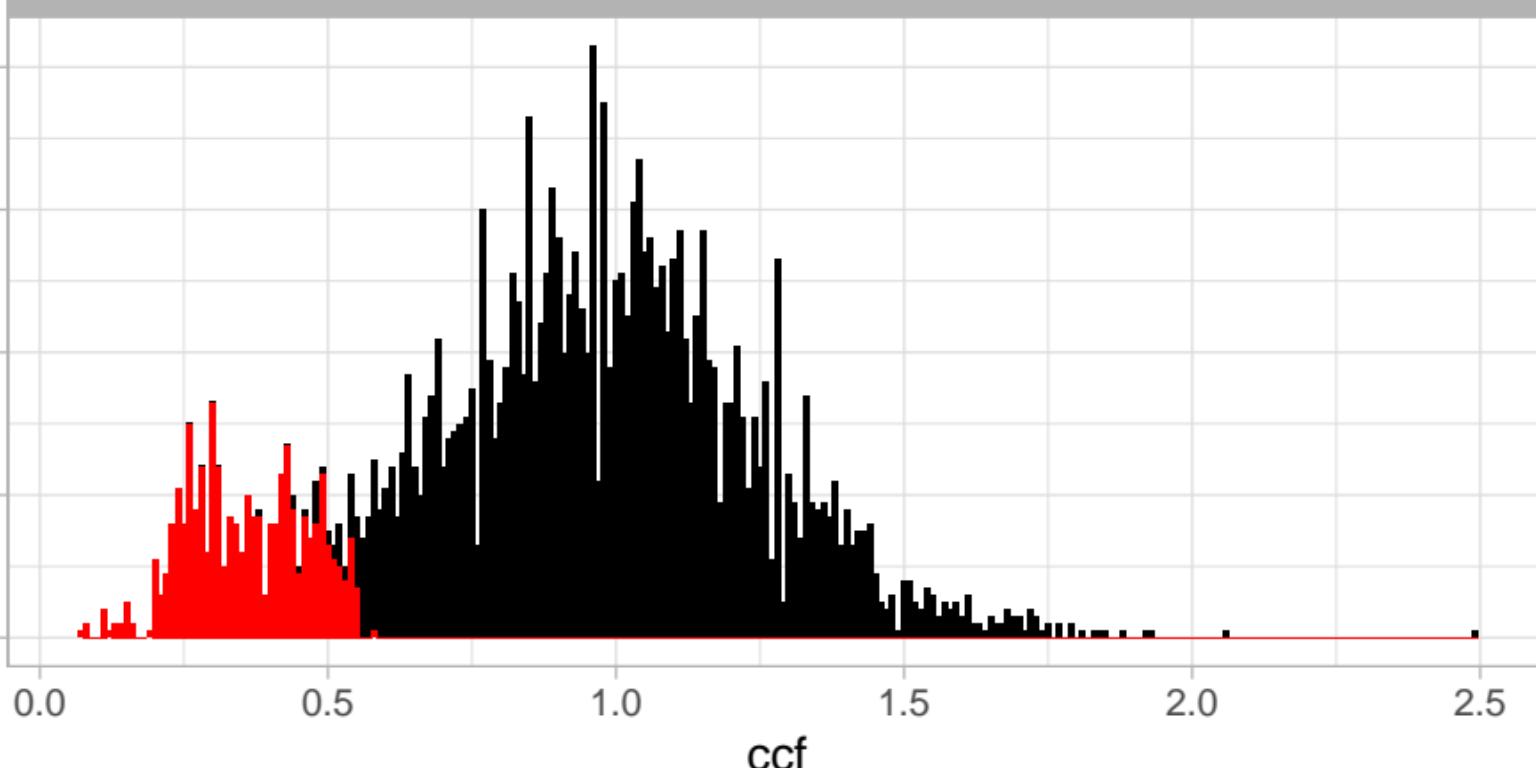
count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

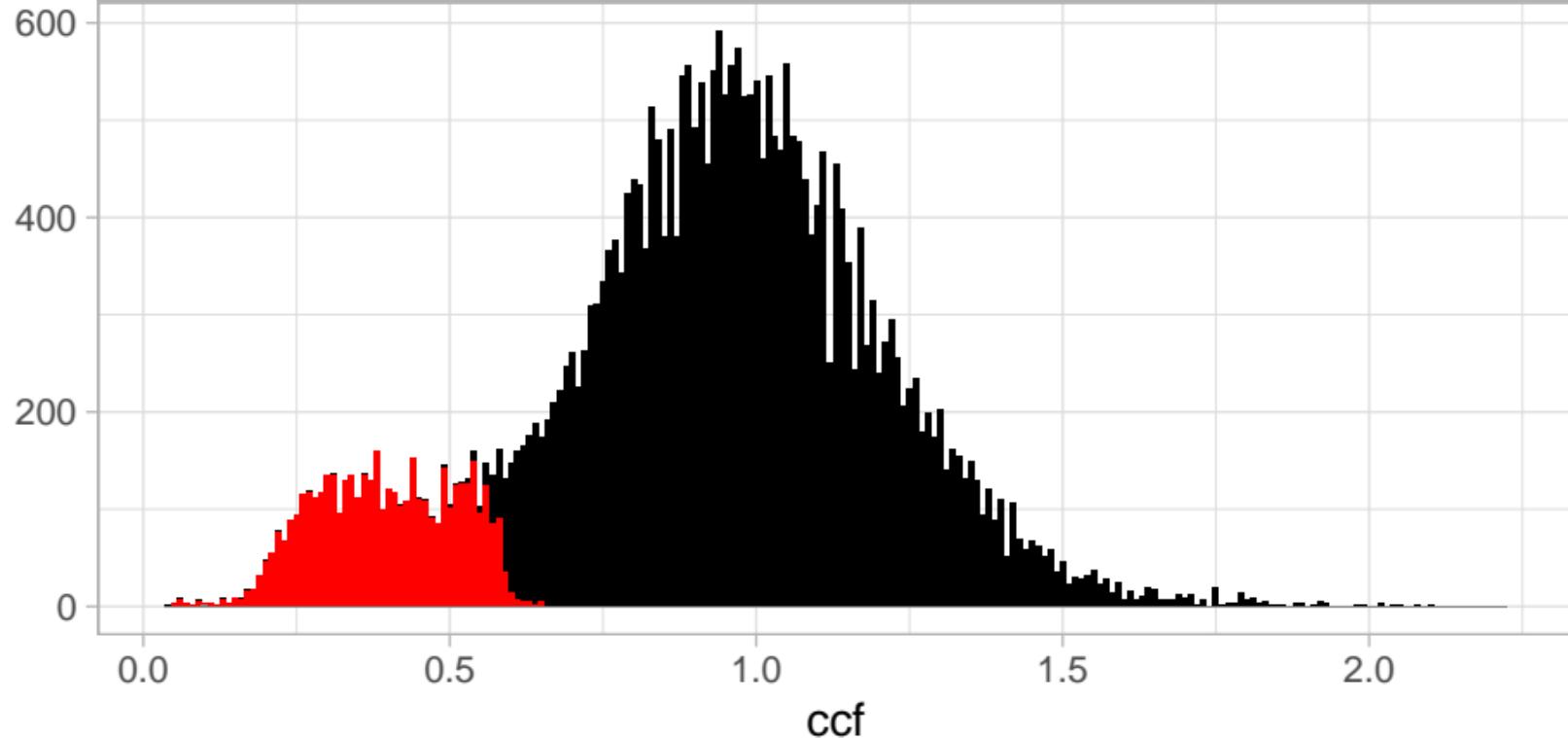
ccf

cluster tail clonal subclonal



SA528999

count



cluster ■ tail ■ clonal ■ subclonal

SA413794

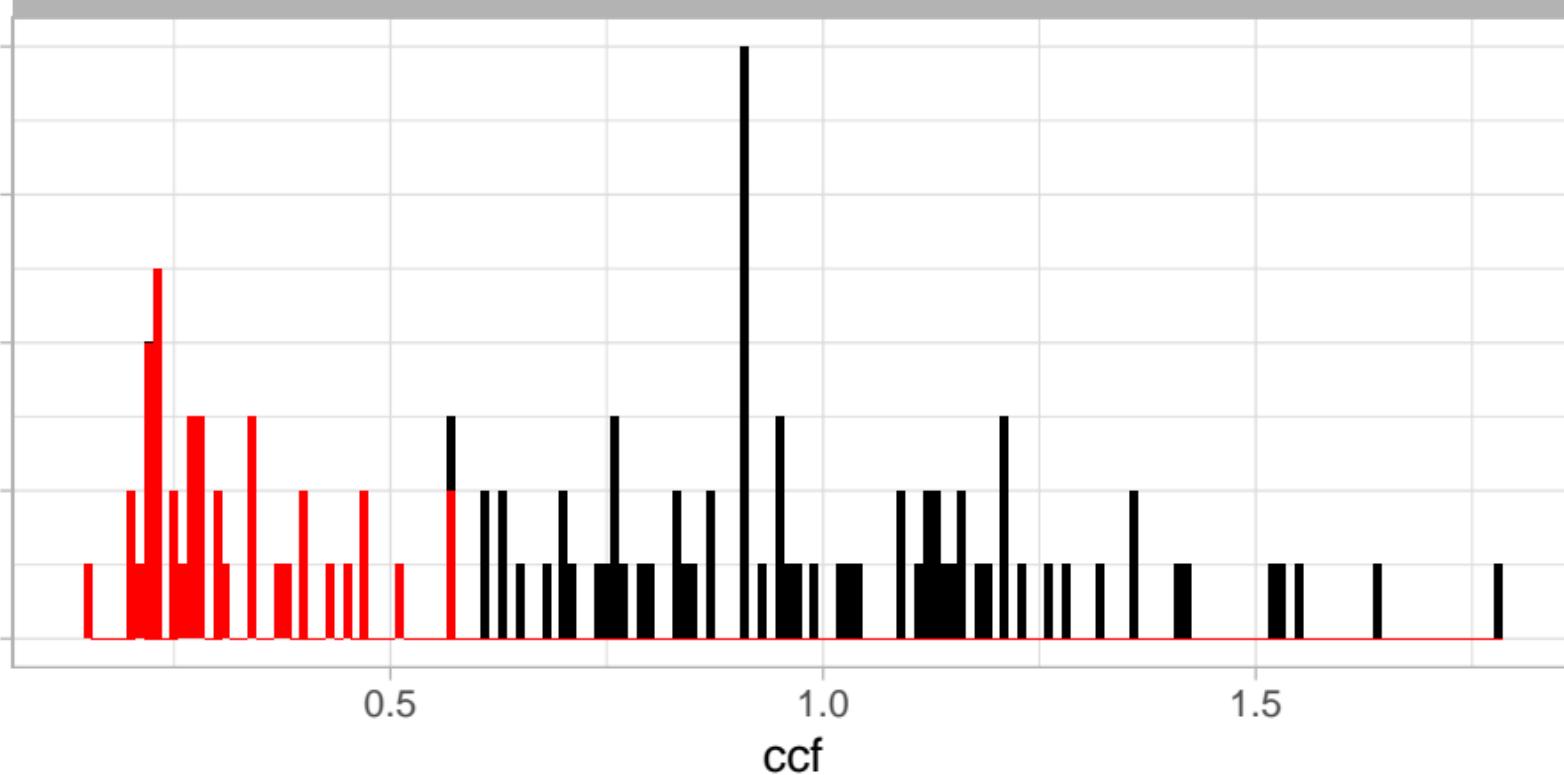
count

8
6
4
2
0

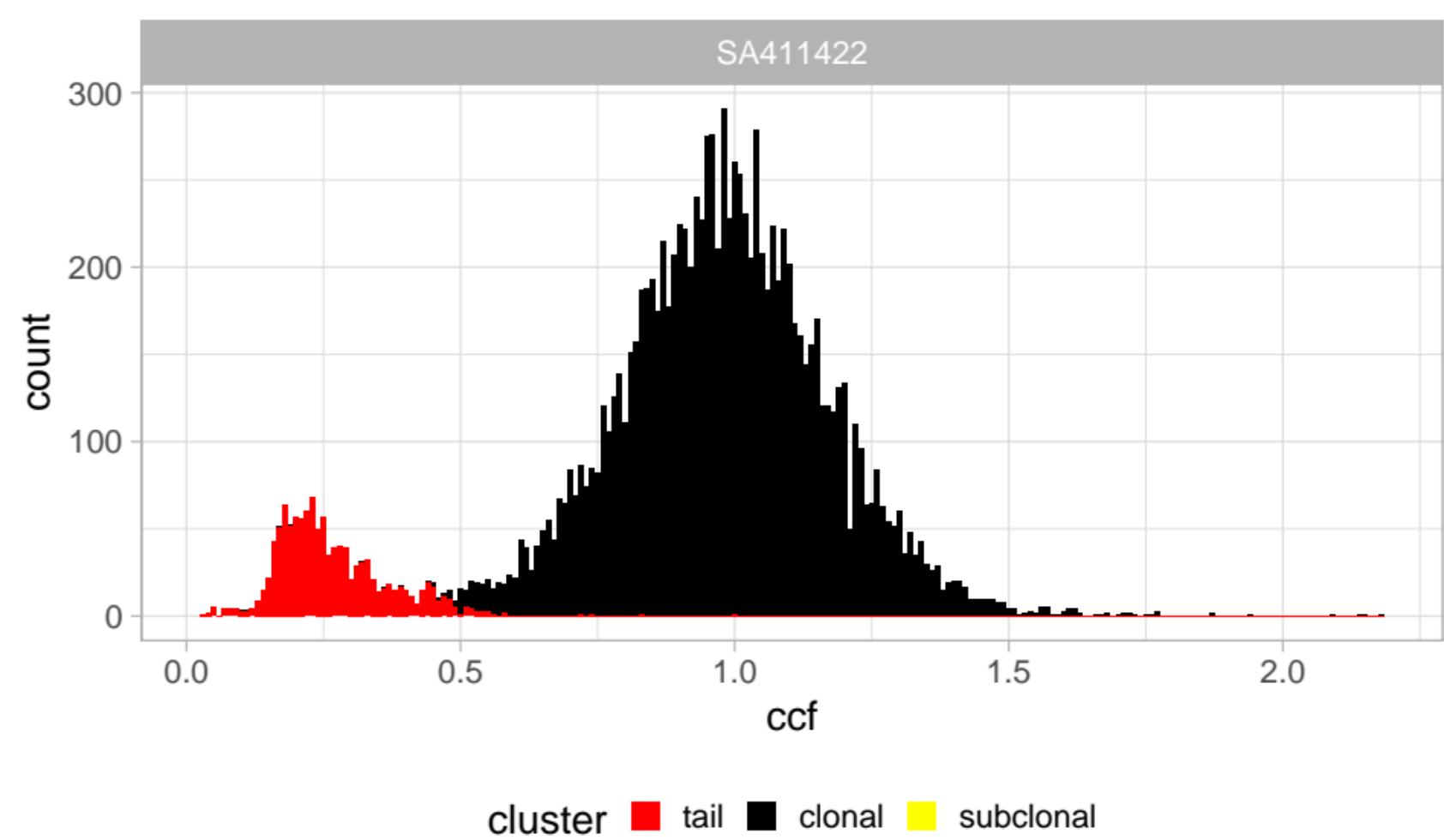
0.5 1.0 1.5

ccf

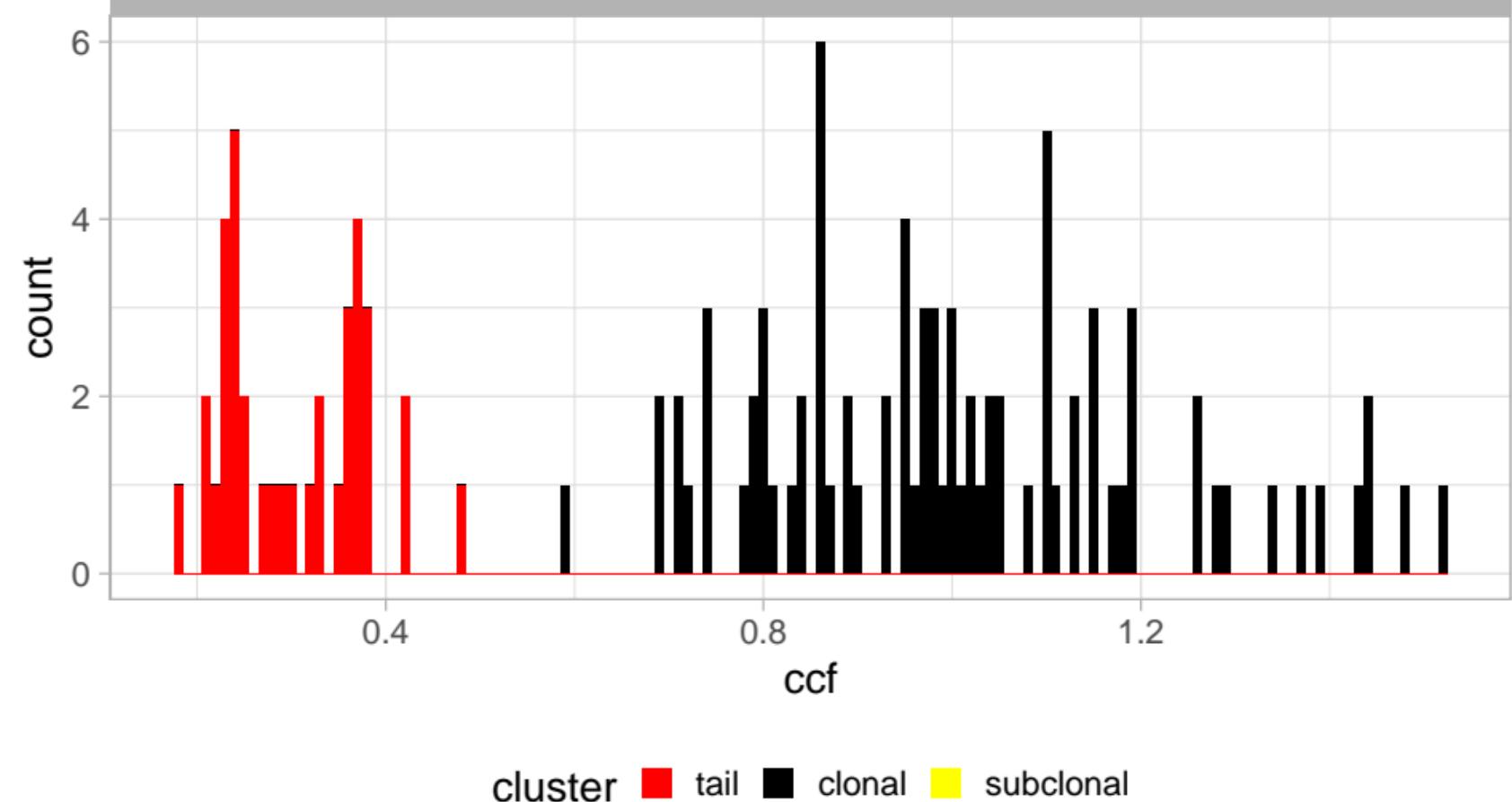
cluster tail clonal subclonal



SA411422

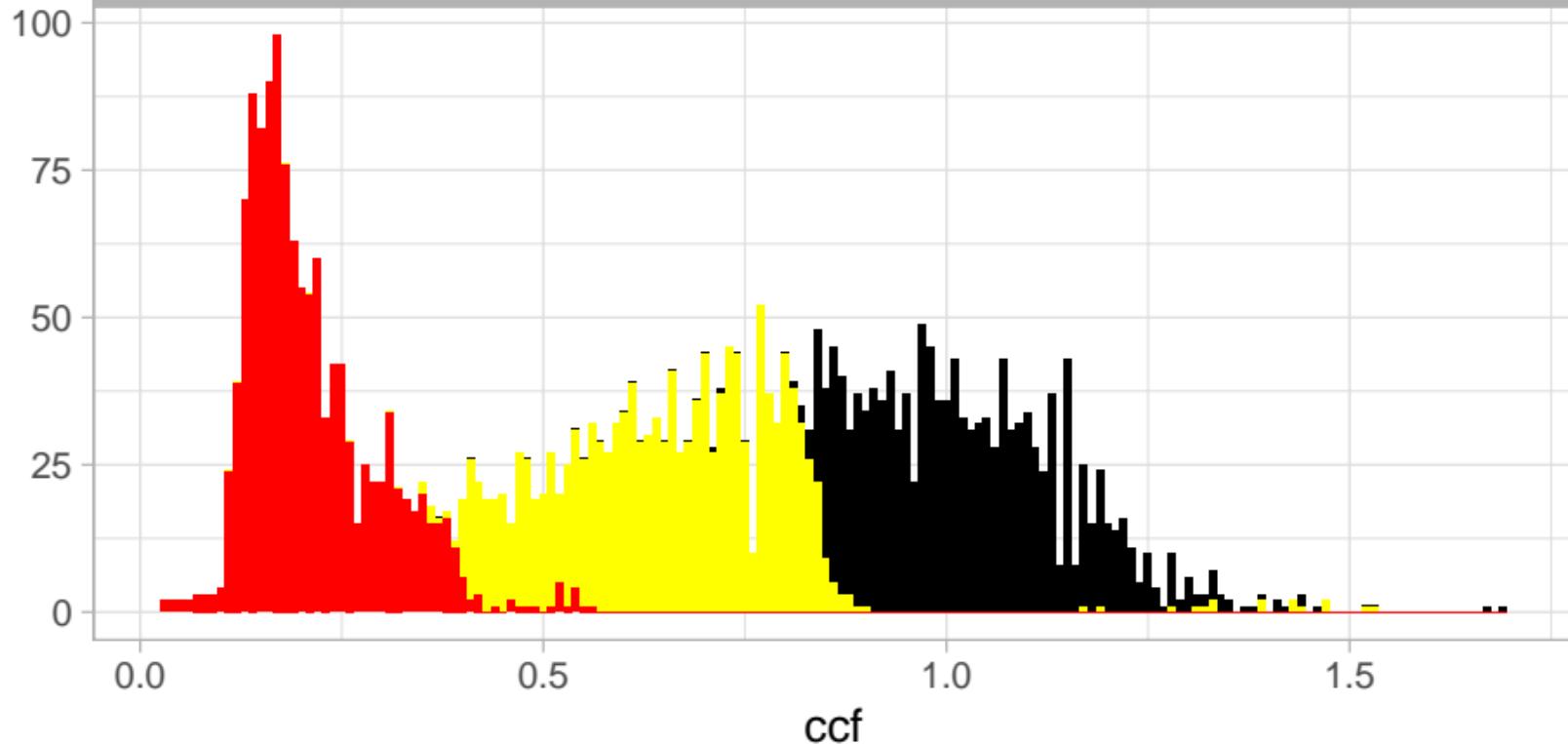


SA413726



SA533725

count



cluster ■ tail ■ clonal ■ subclonal

SA558659

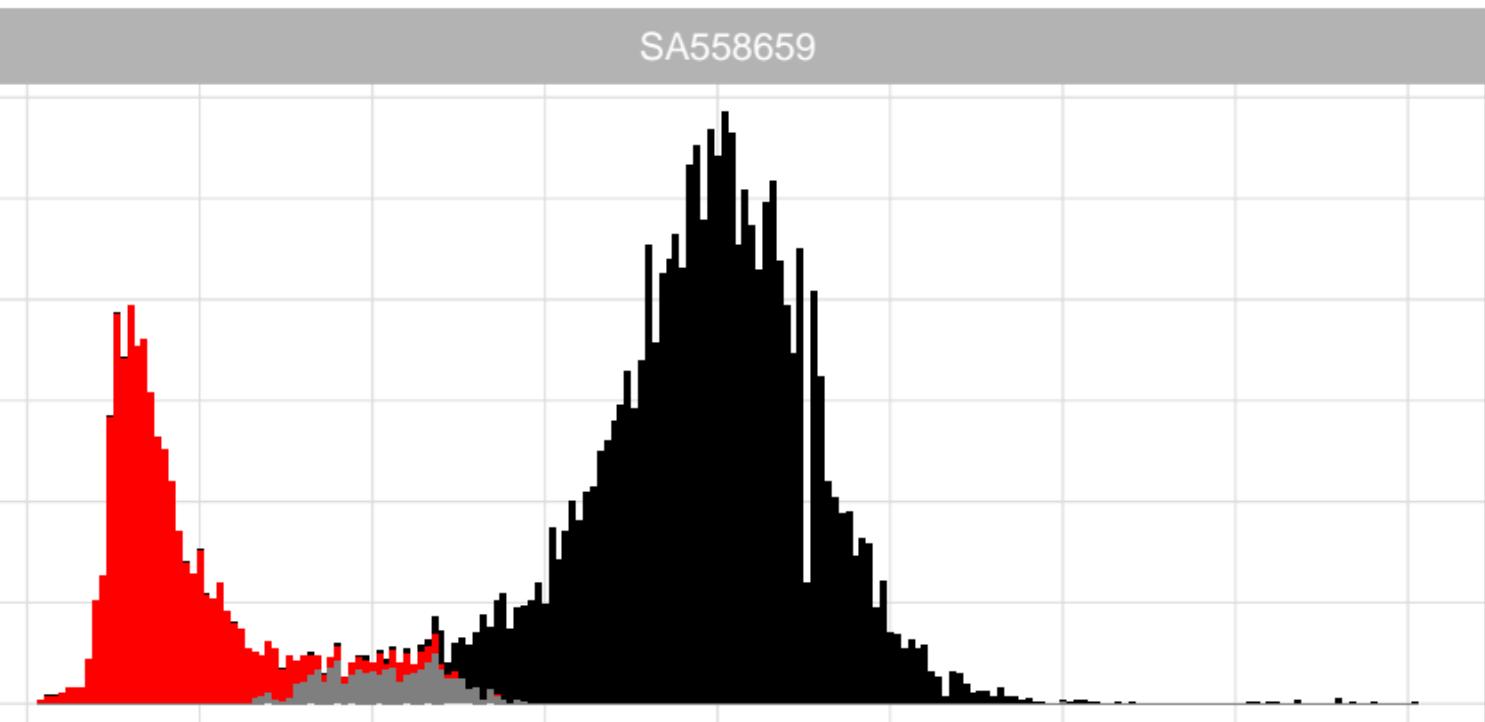
count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA412291

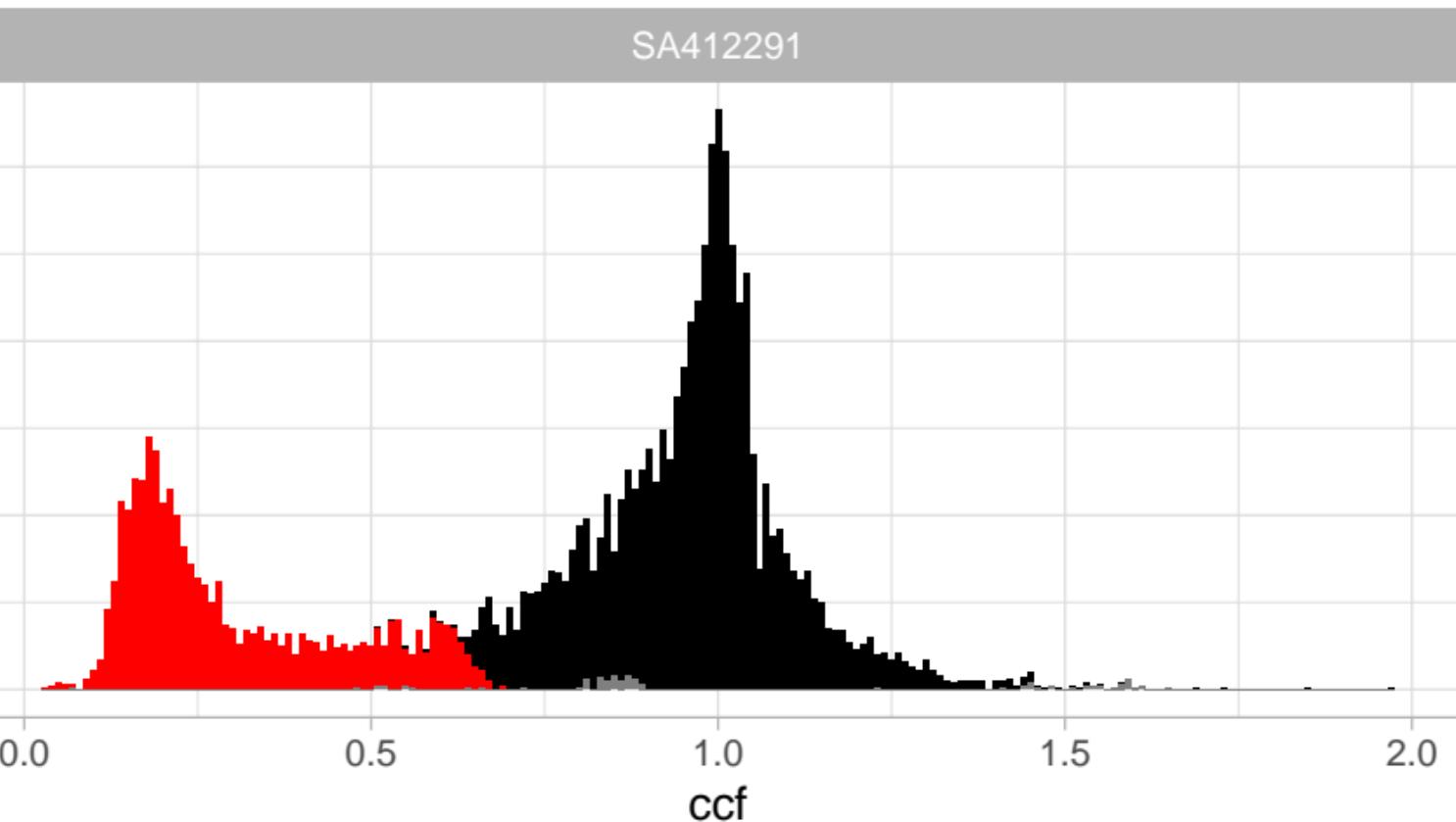
count

300
200
100
0

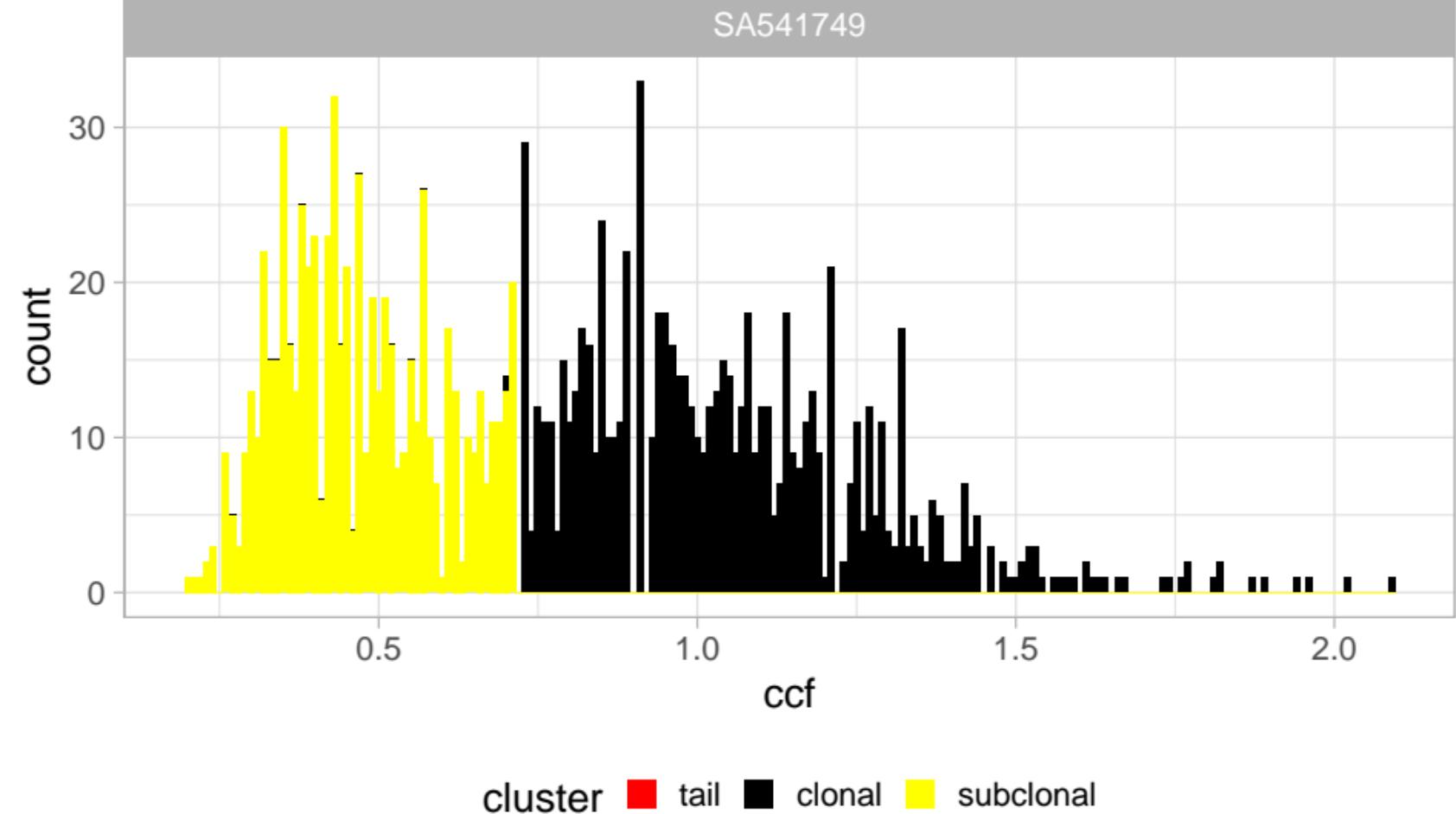
0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA541749



SA270380

count

800
600
400
200
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA529792

count

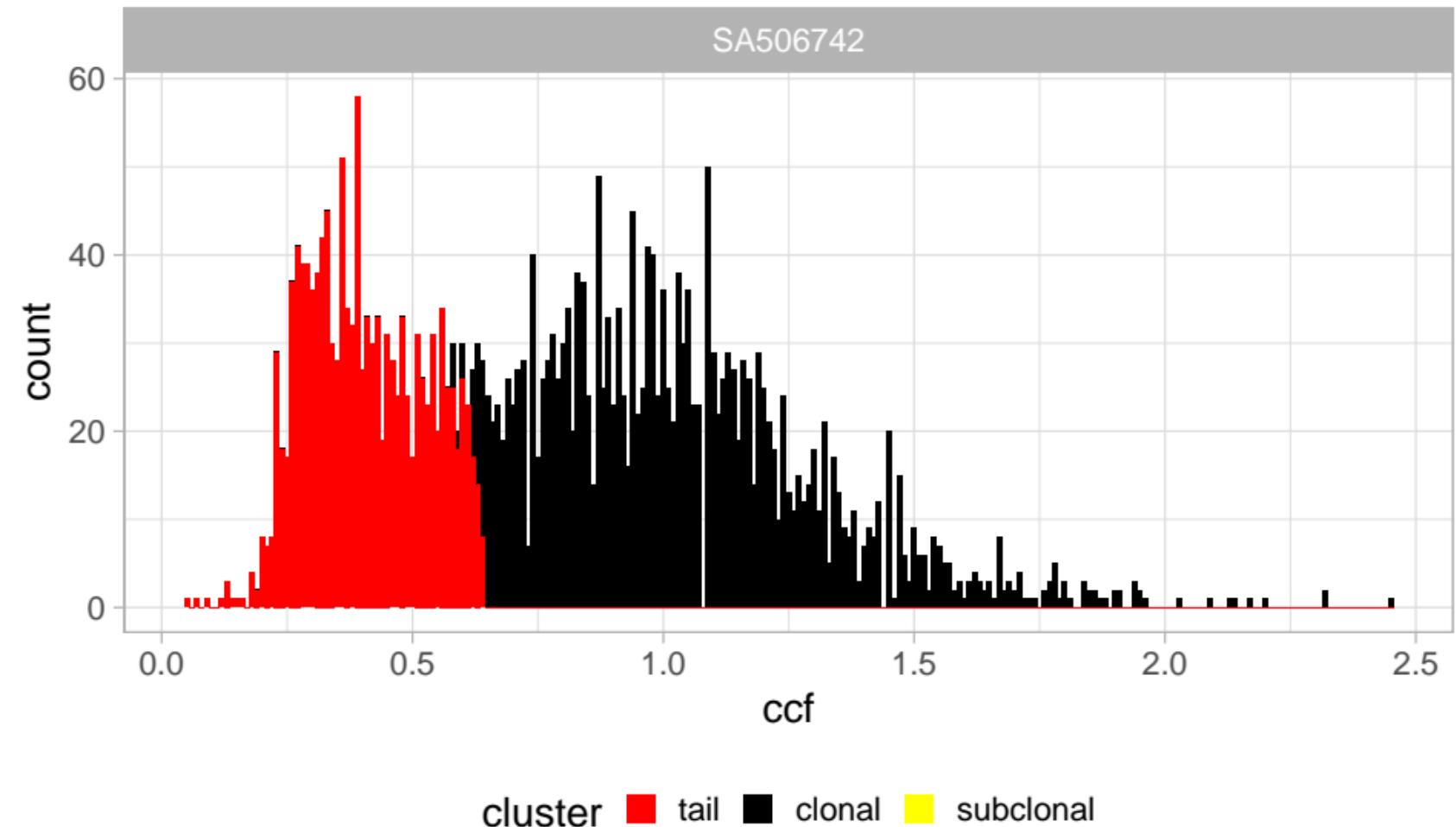
600
400
200
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA506742



SA506682

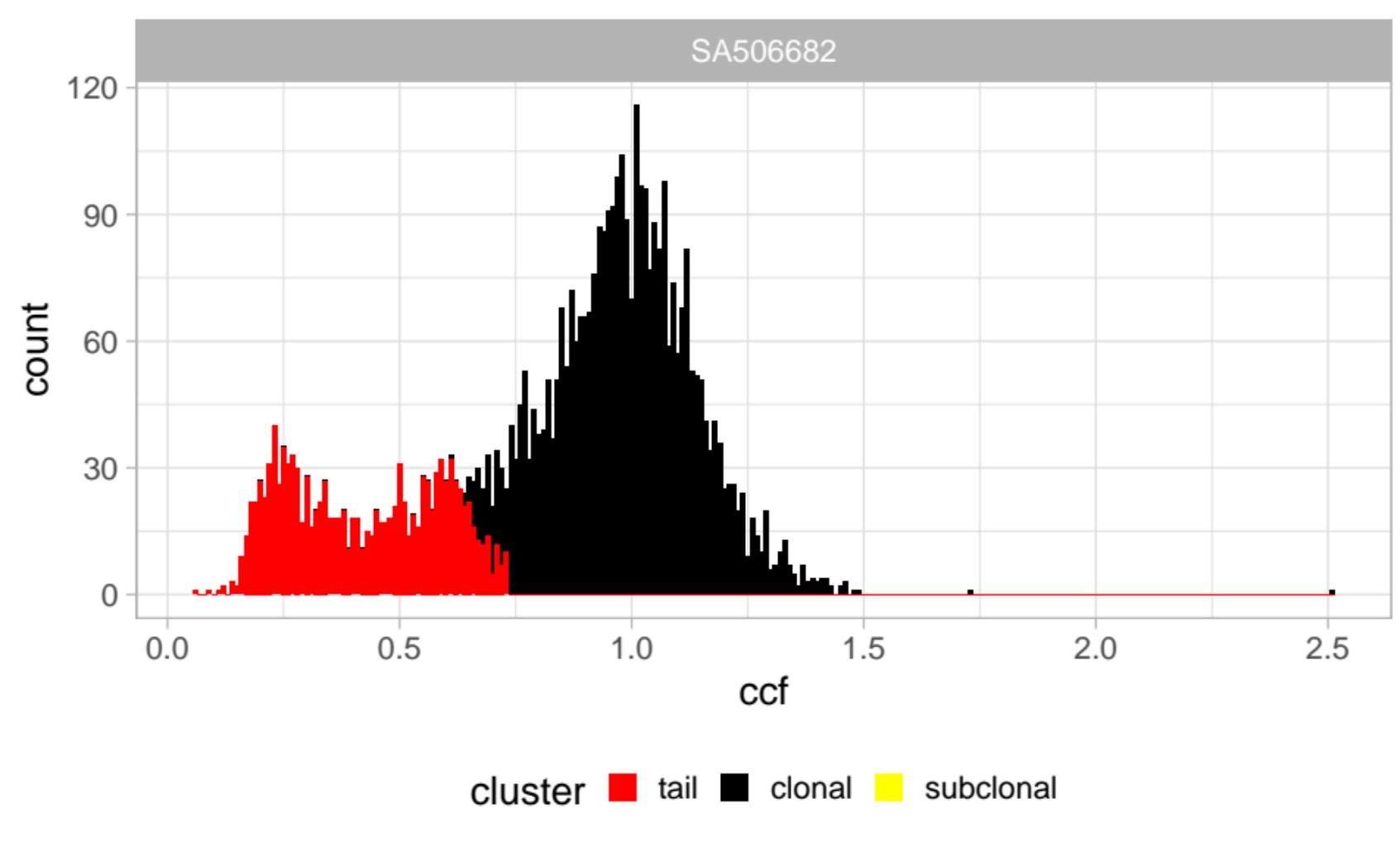
count

120
90
60
30
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA86383

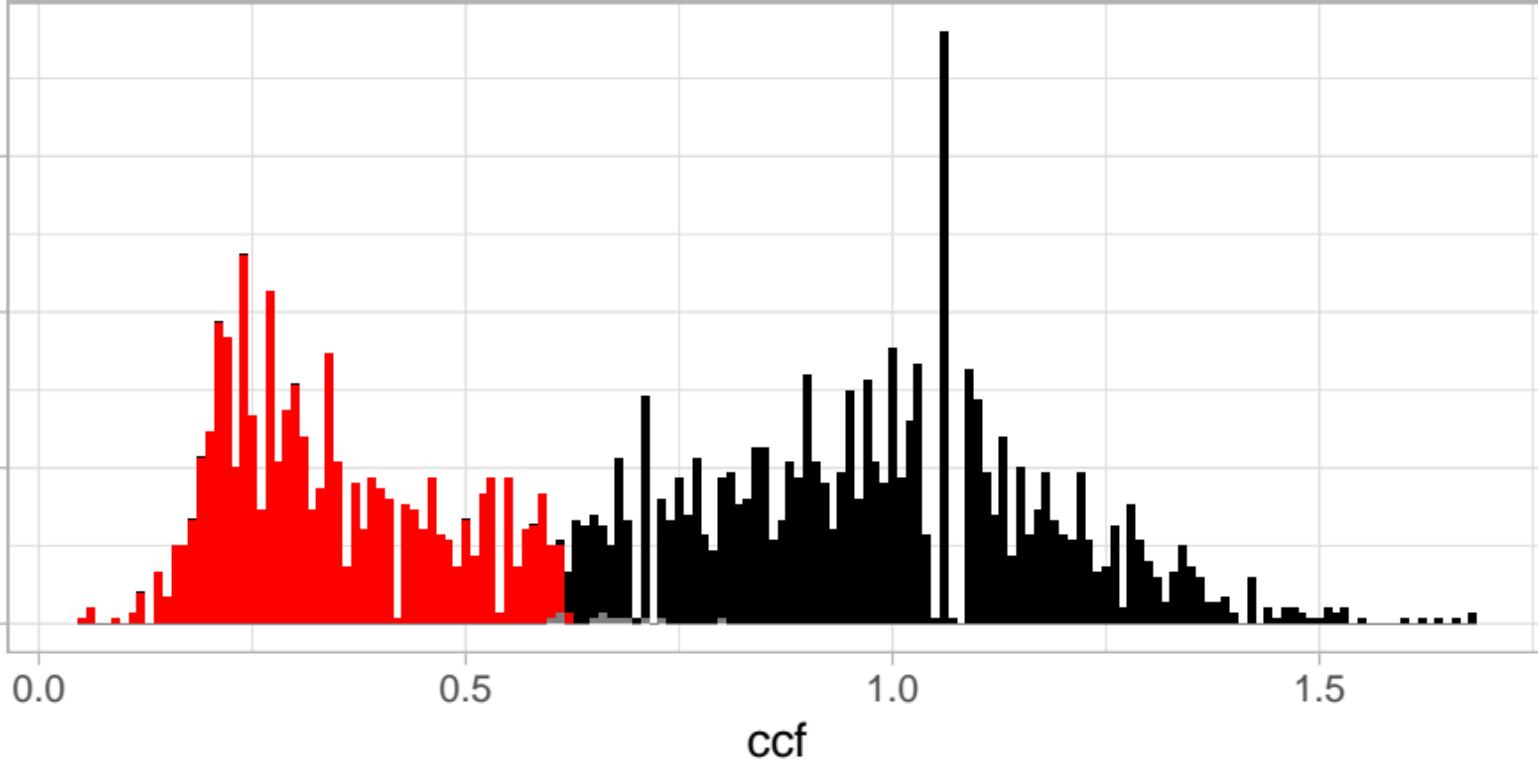
count

90
60
30
0

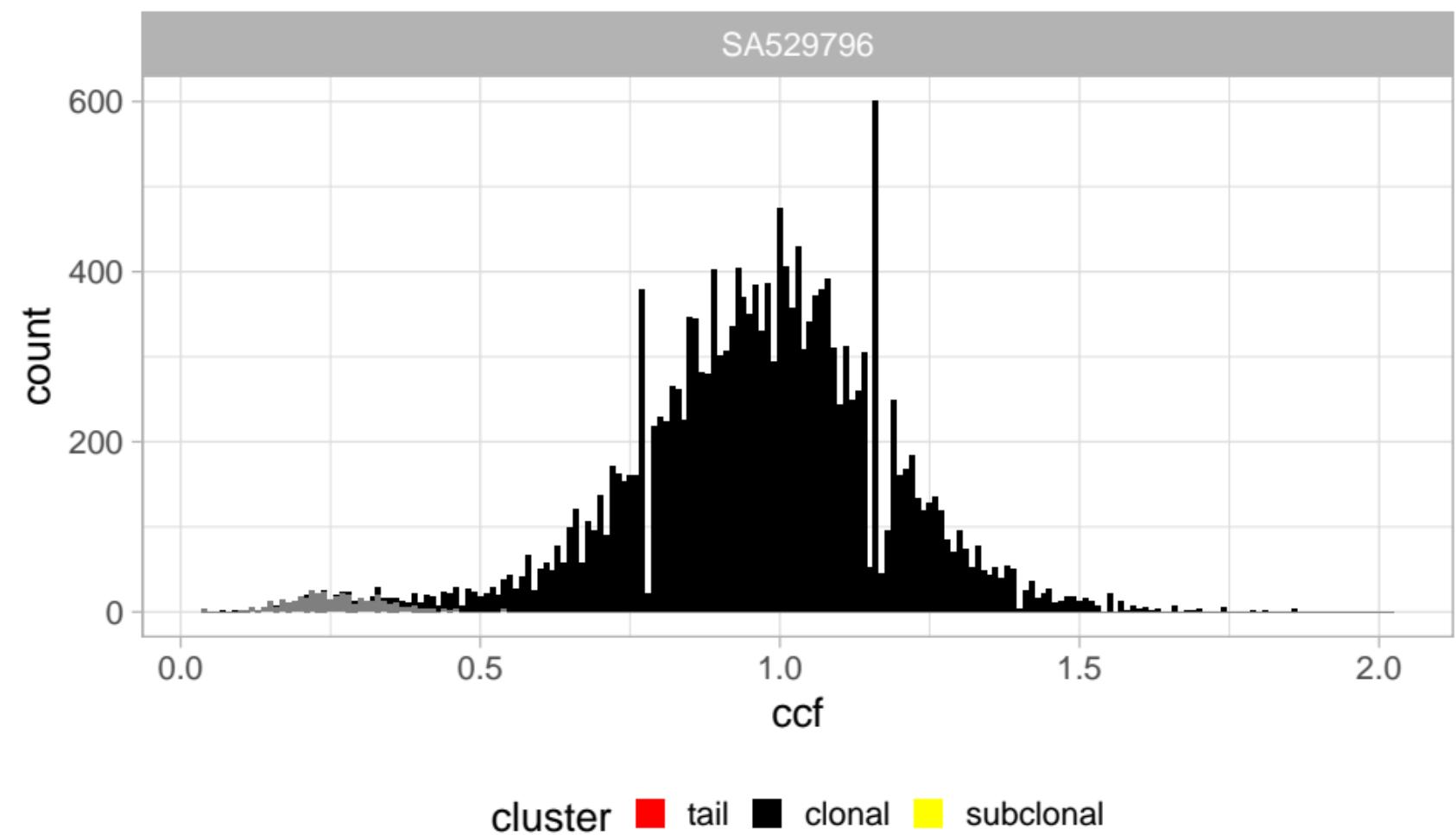
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA529796



SA557480

count

3000

2000

1000

0

0.0

0.5

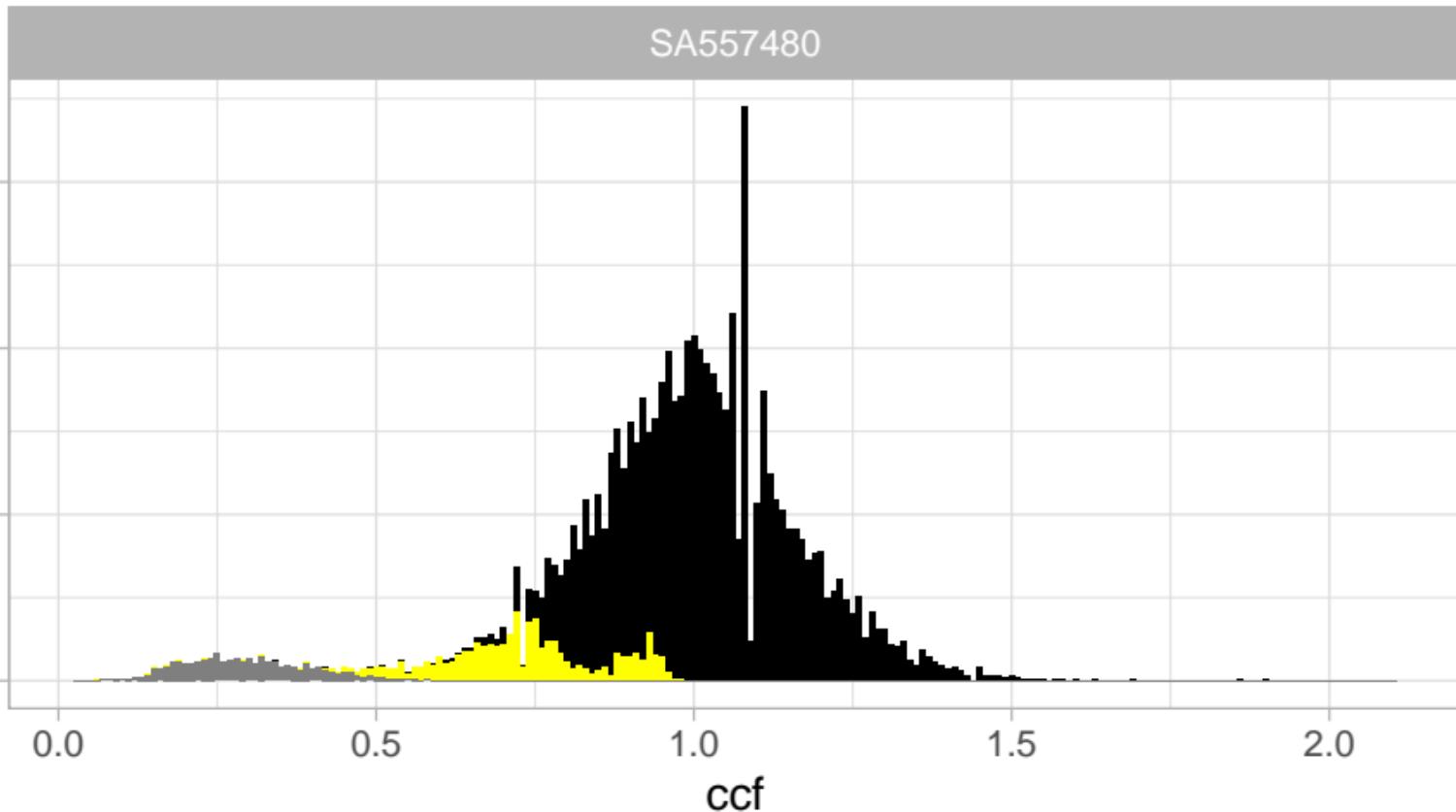
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA543319

count

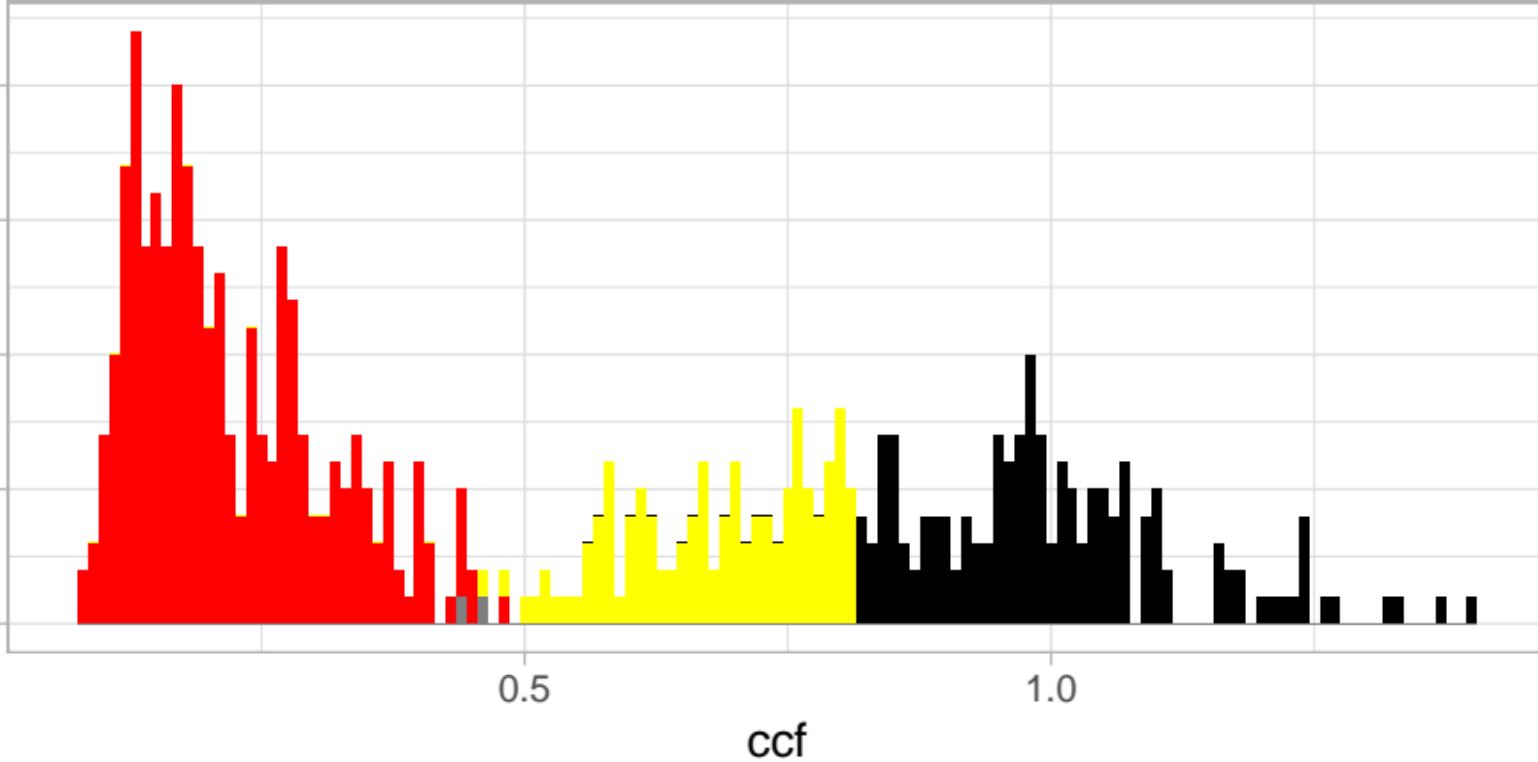
20
15
10
5
0

0.5

1.0

ccf

cluster tail clonal subclonal



SA533647

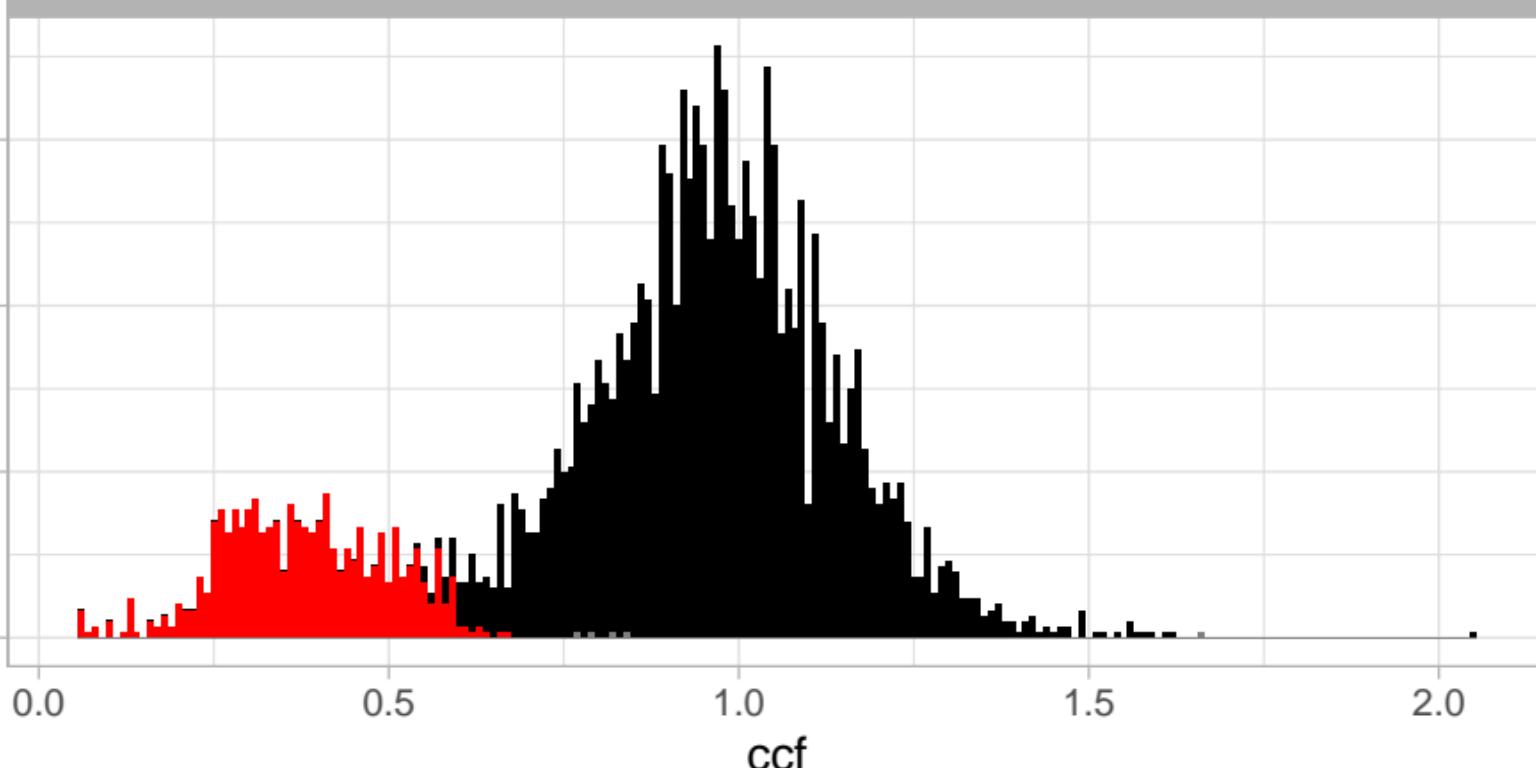
count

90
60
30
0

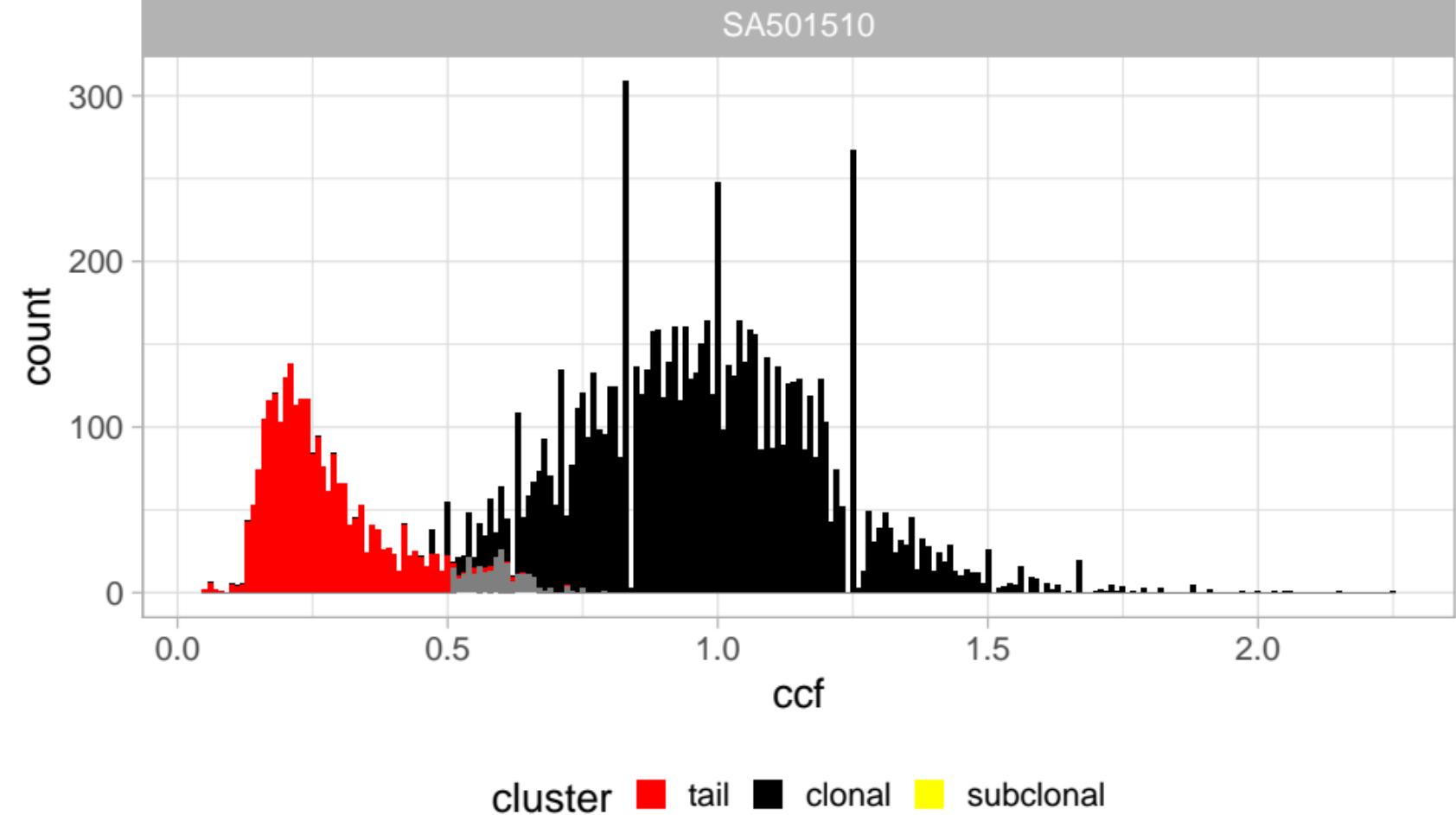
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA501510



SA543785

count

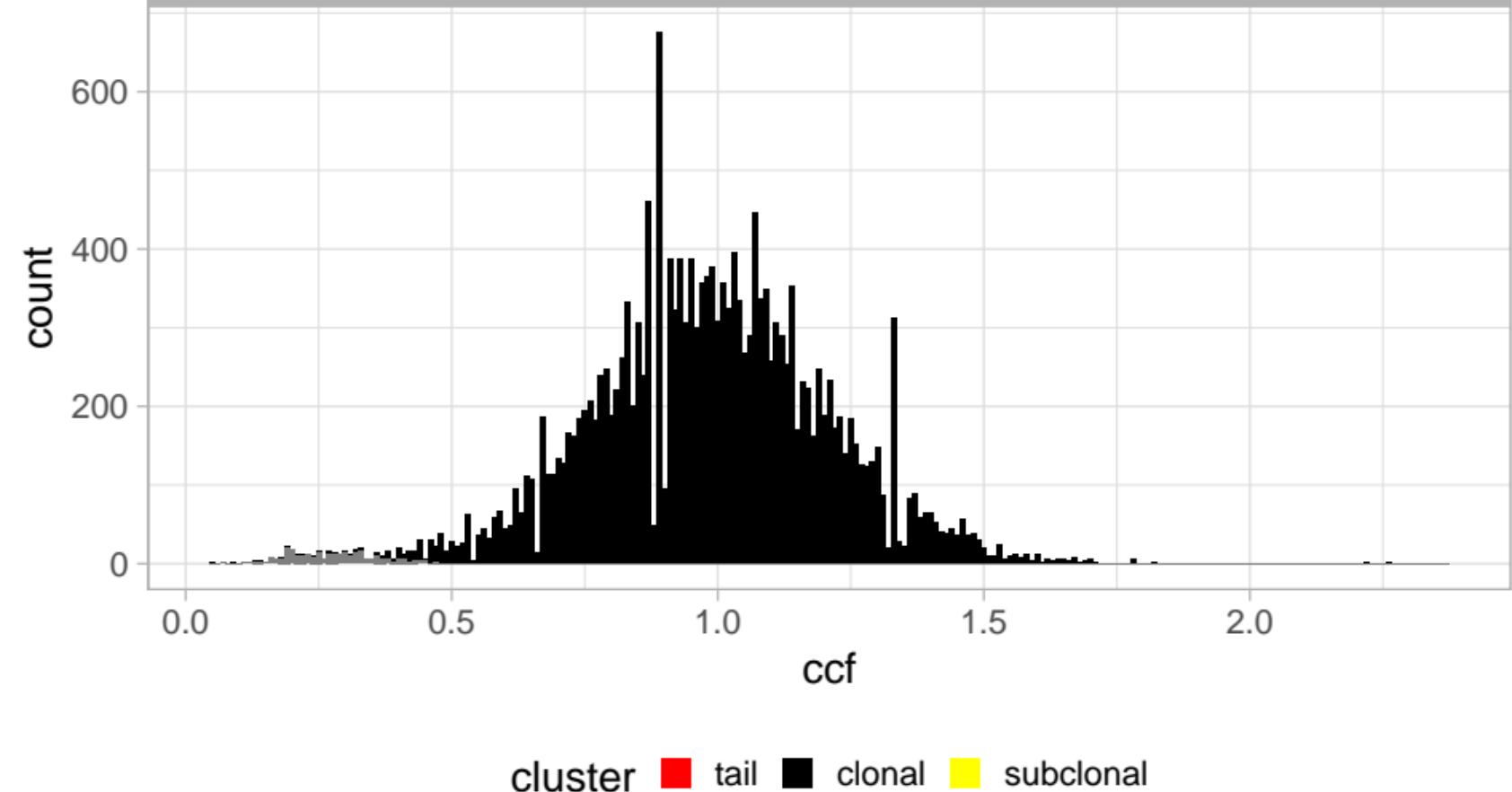
300
200
100
0

0 1 2 3 4 5

ccf

cluster tail clonal subclonal

SA529800



SA557357

count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA514917

count

40

30

20

10

0

0.0

0.5

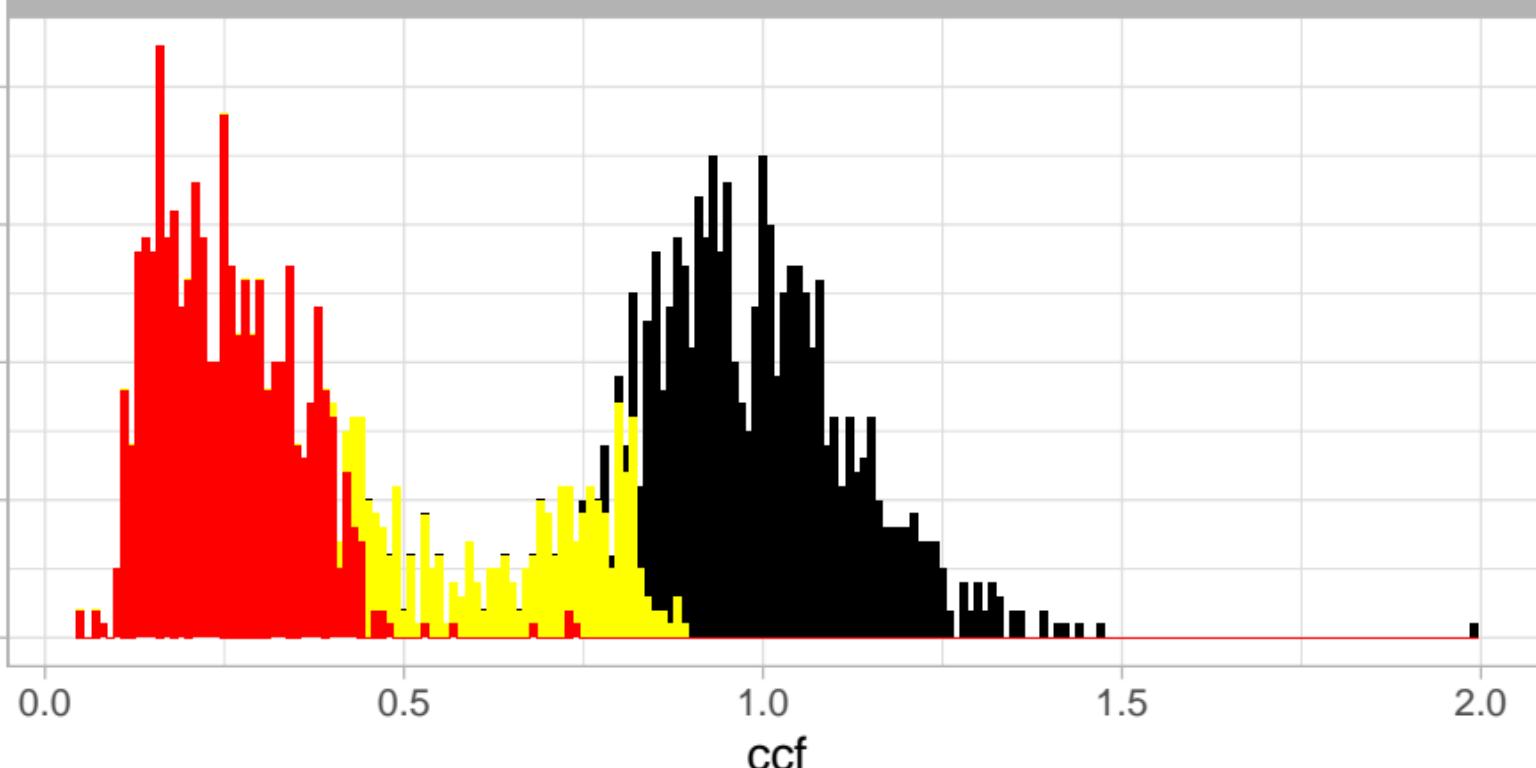
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA413892

count

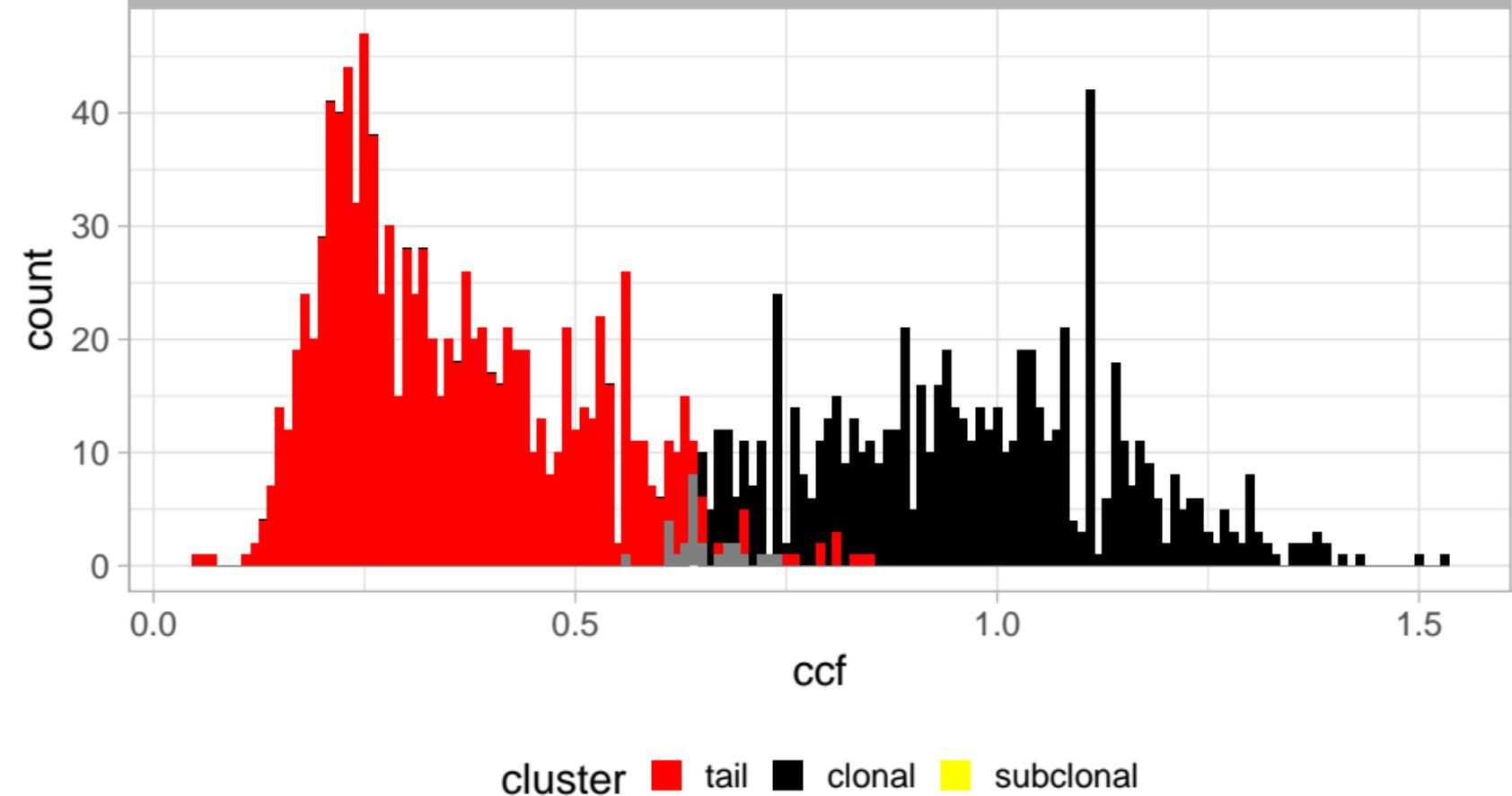
6
4
2
0

0.5 1.0 1.5 2.0

ccf

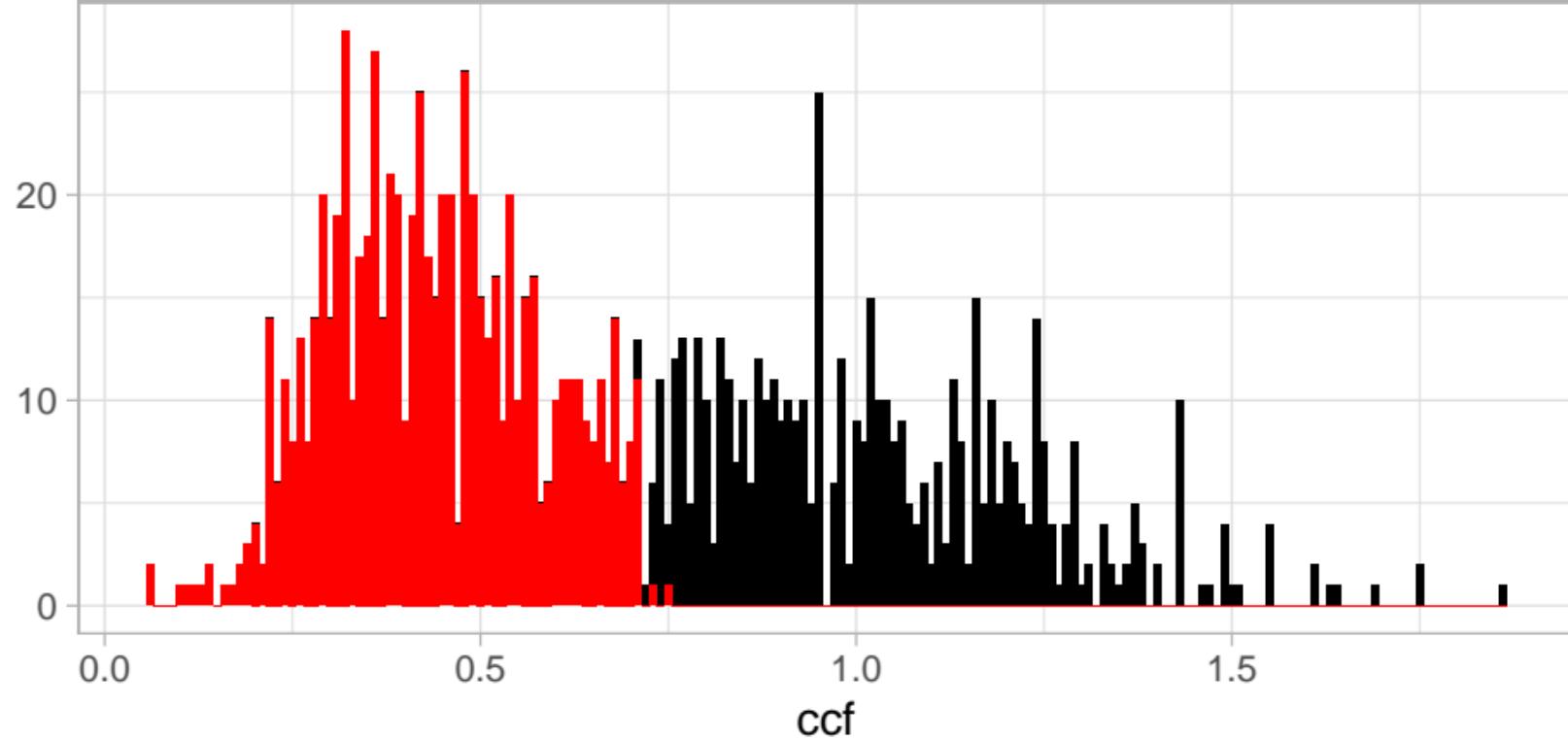
cluster tail clonal subclonal

SA517272



SA517376

count



cluster ■ tail ■ clonal ■ subclonal

SA320842

count

200

150

100

50

0

0.0

0.5

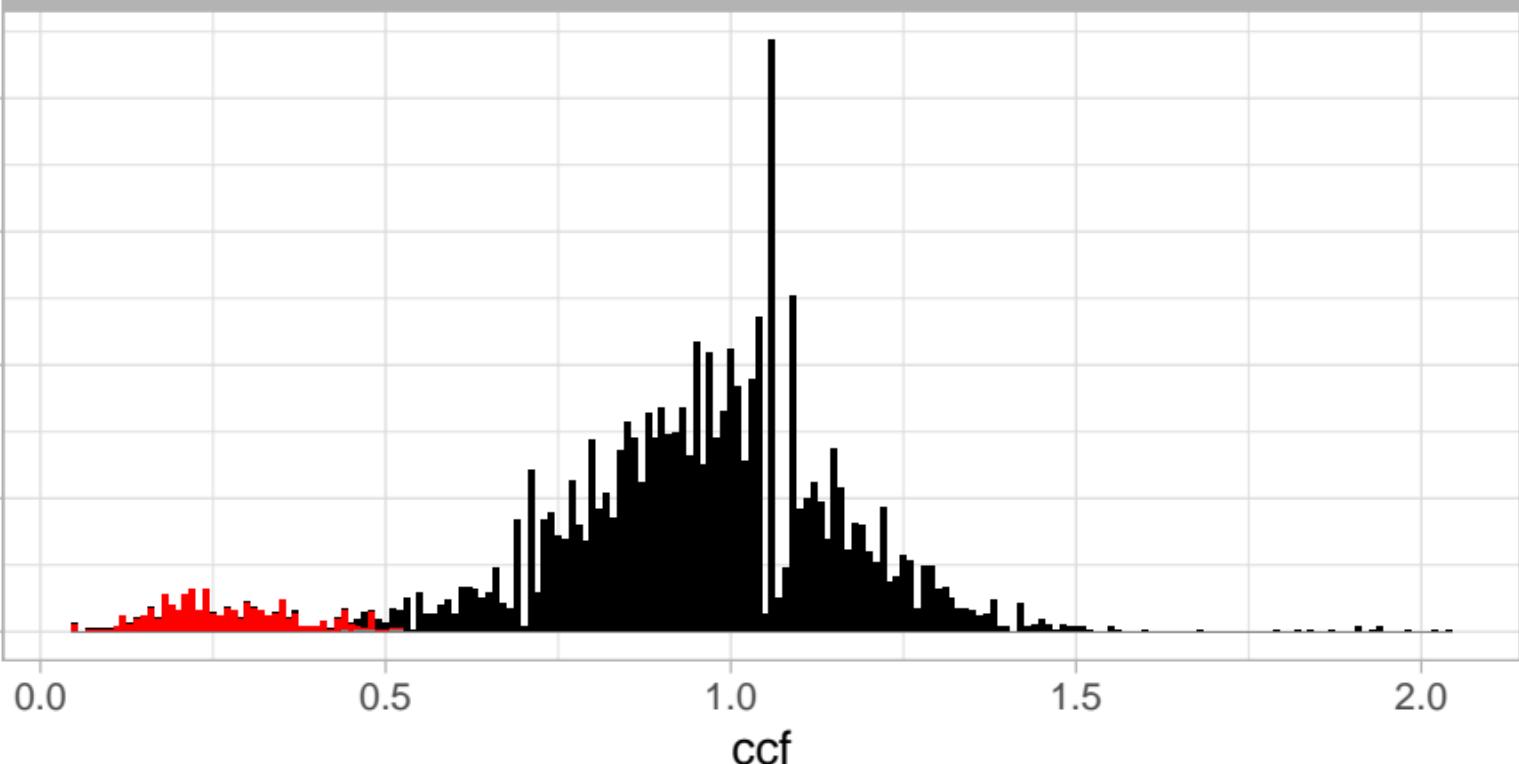
1.0

1.5

2.0

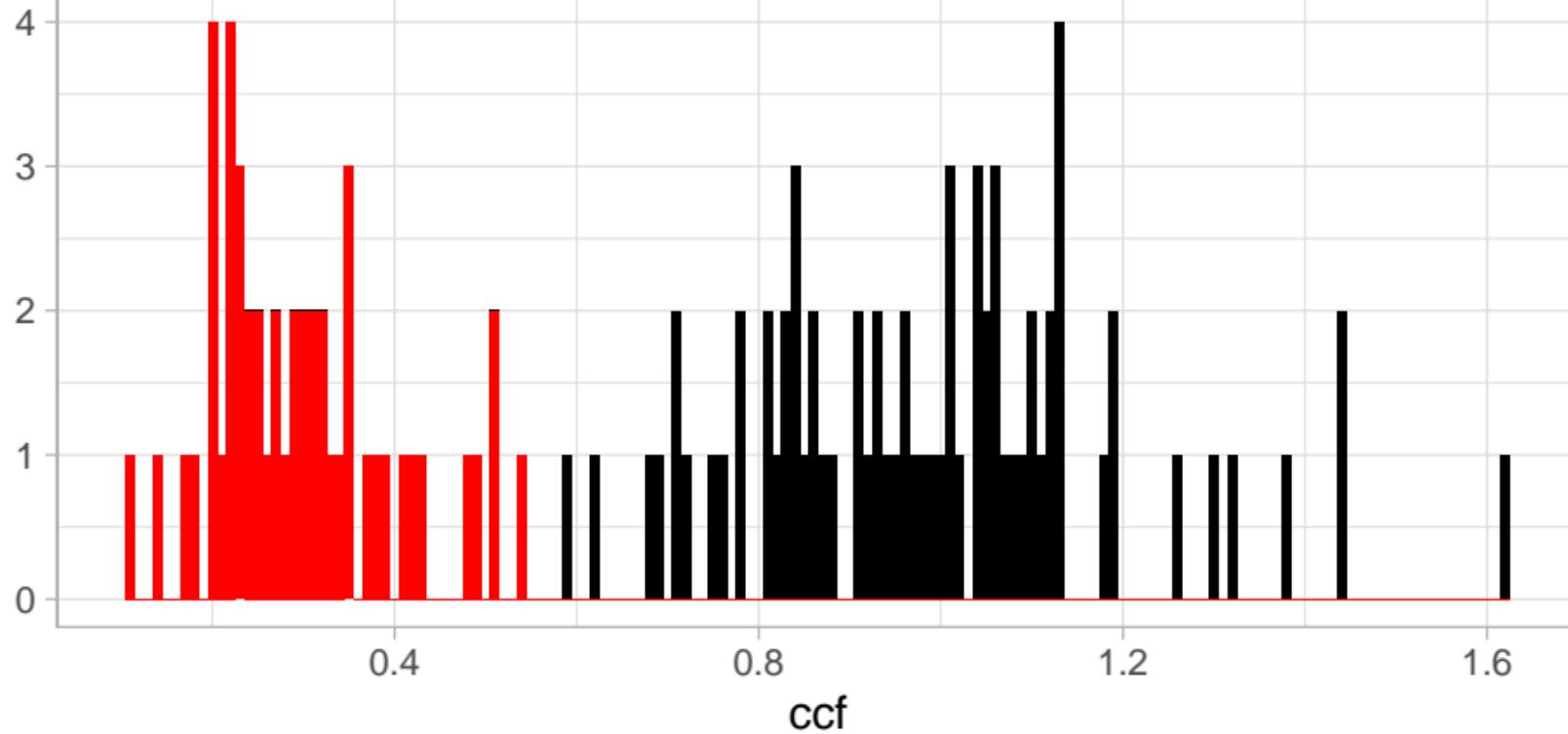
ccf

cluster ■ tail ■ clonal ■ subclonal



SA413710

count



cluster ■ tail ■ clonal ■ subclonal

SA413556

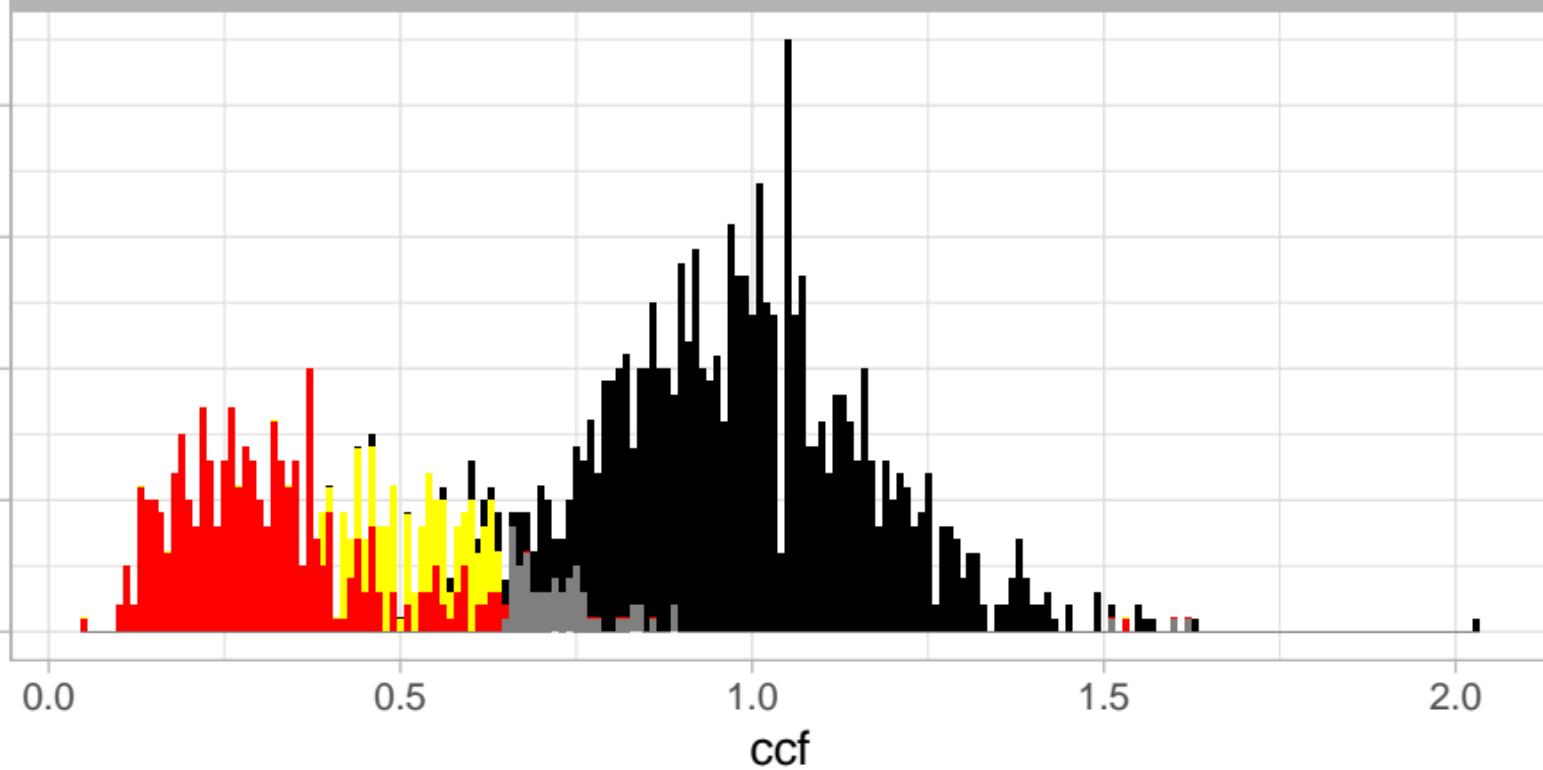
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA570881

count

90

60

30

0

0.0

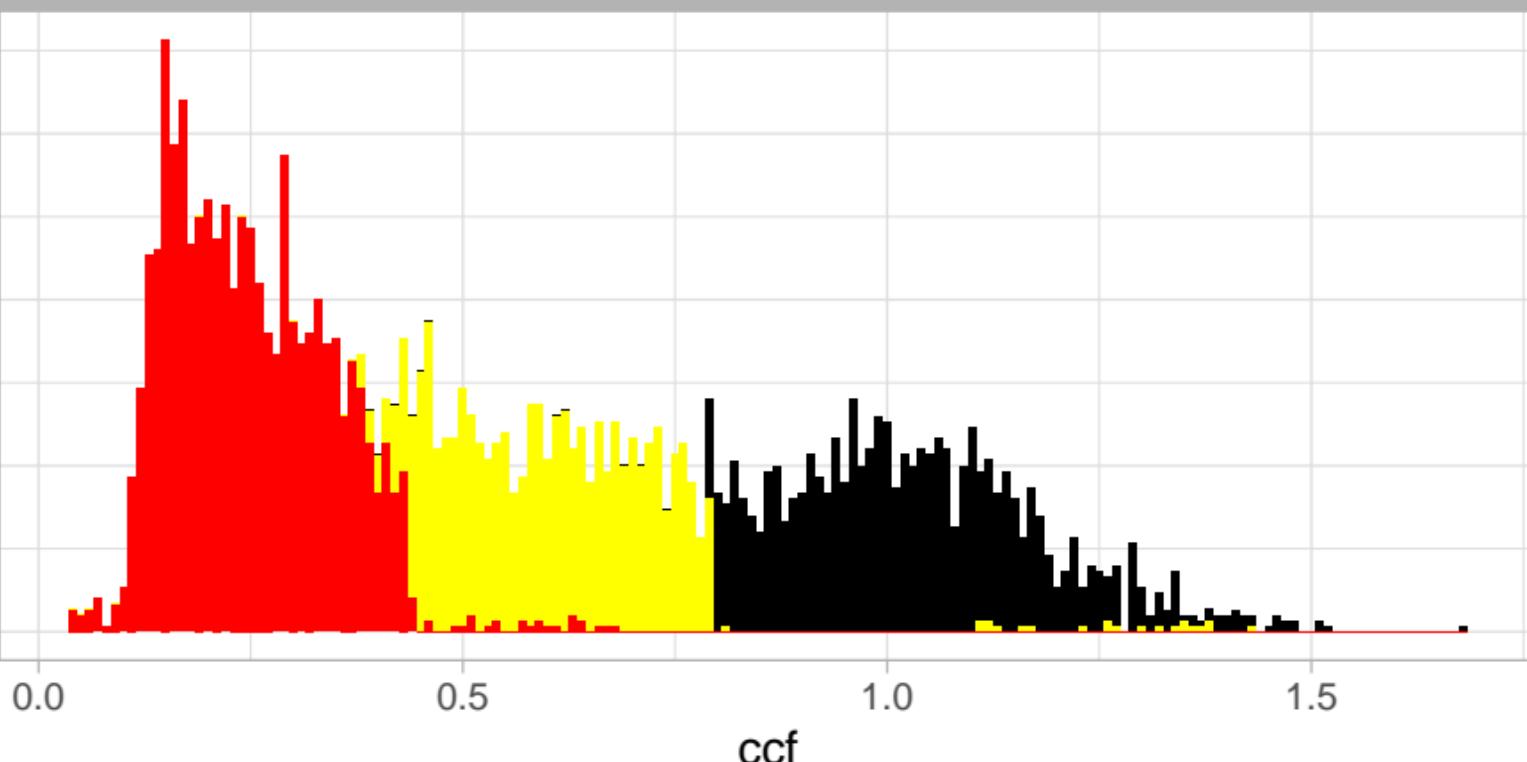
0.5

1.0

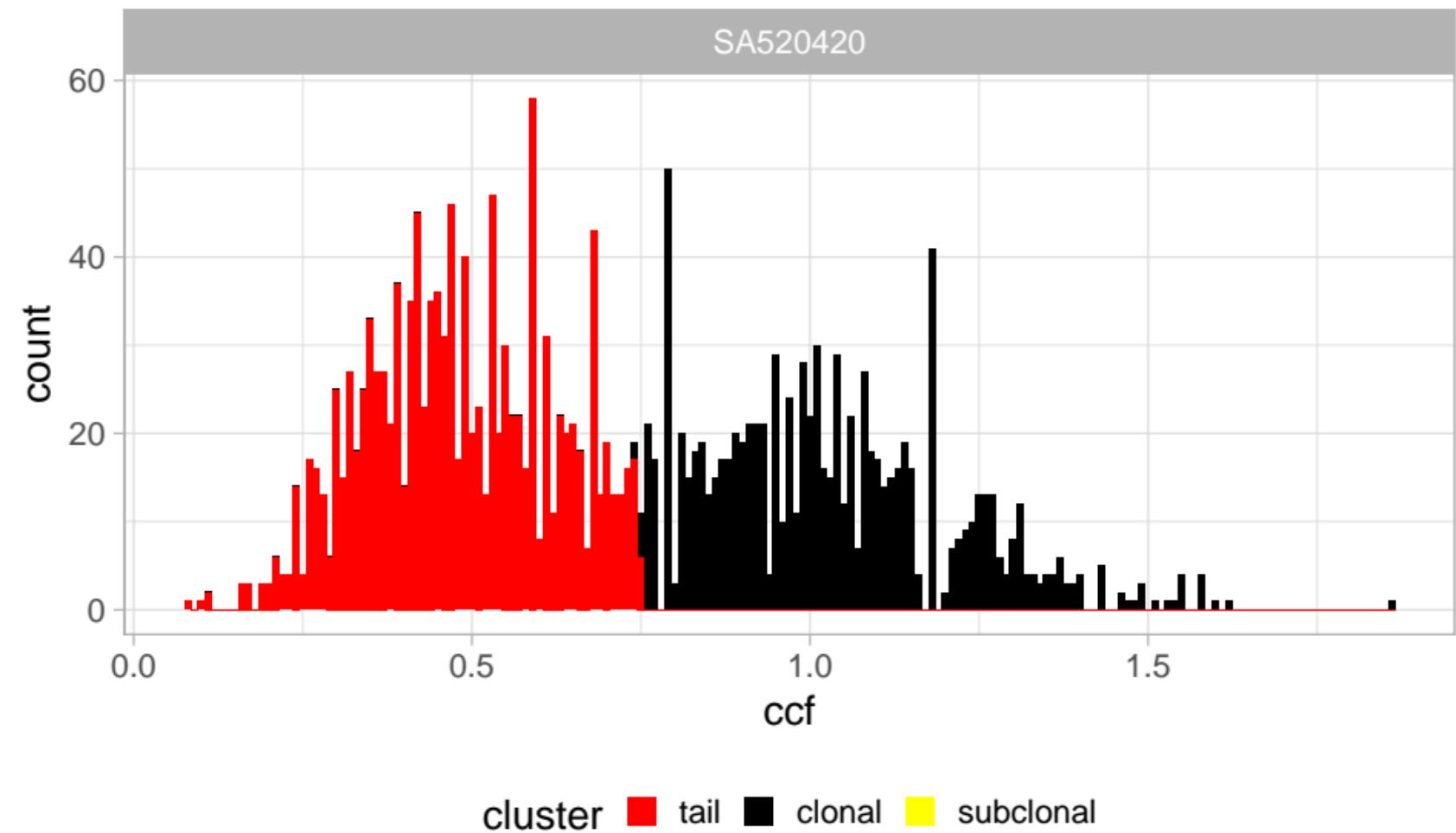
1.5

ccf

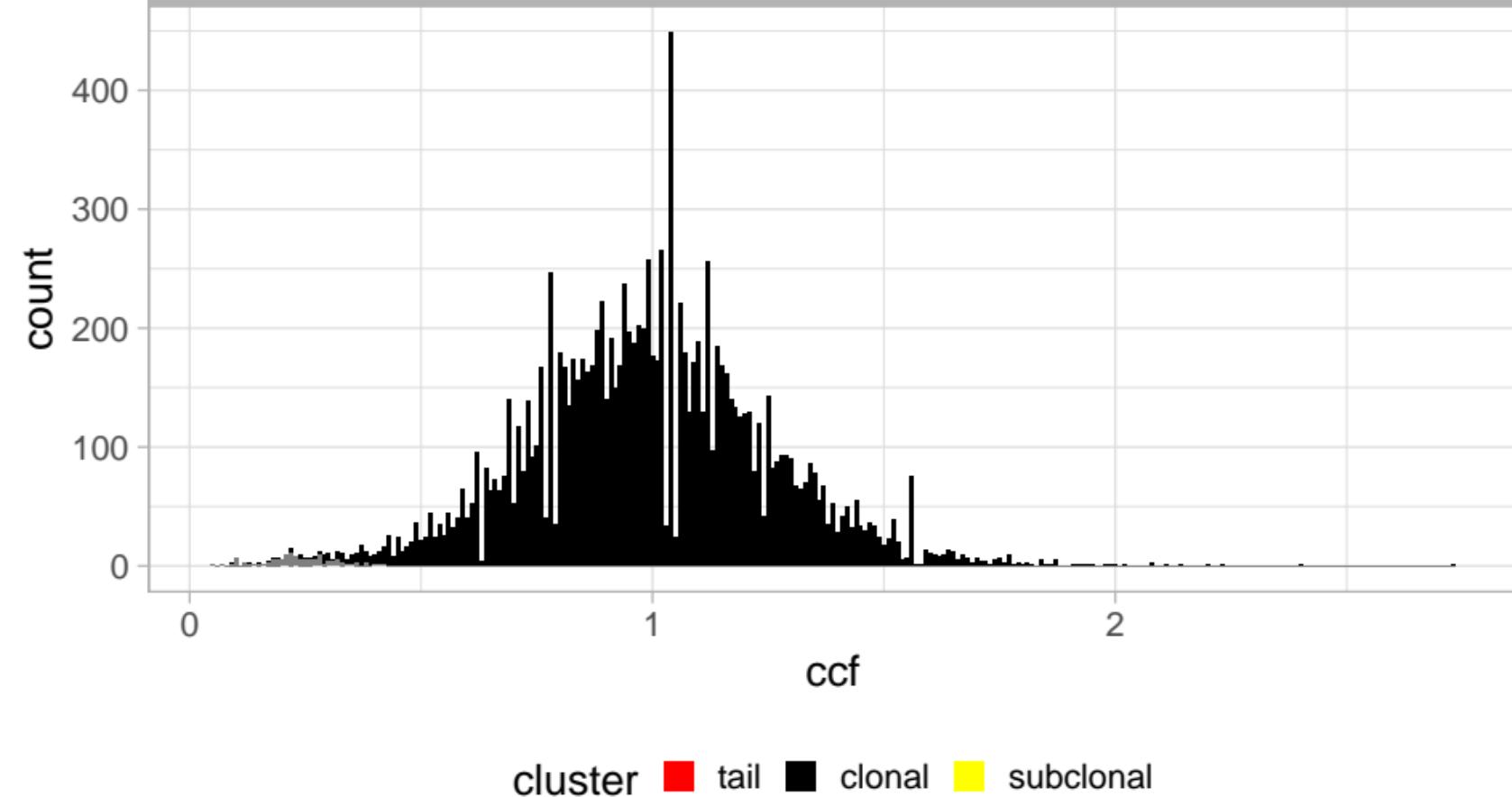
cluster tail clonal subclonal



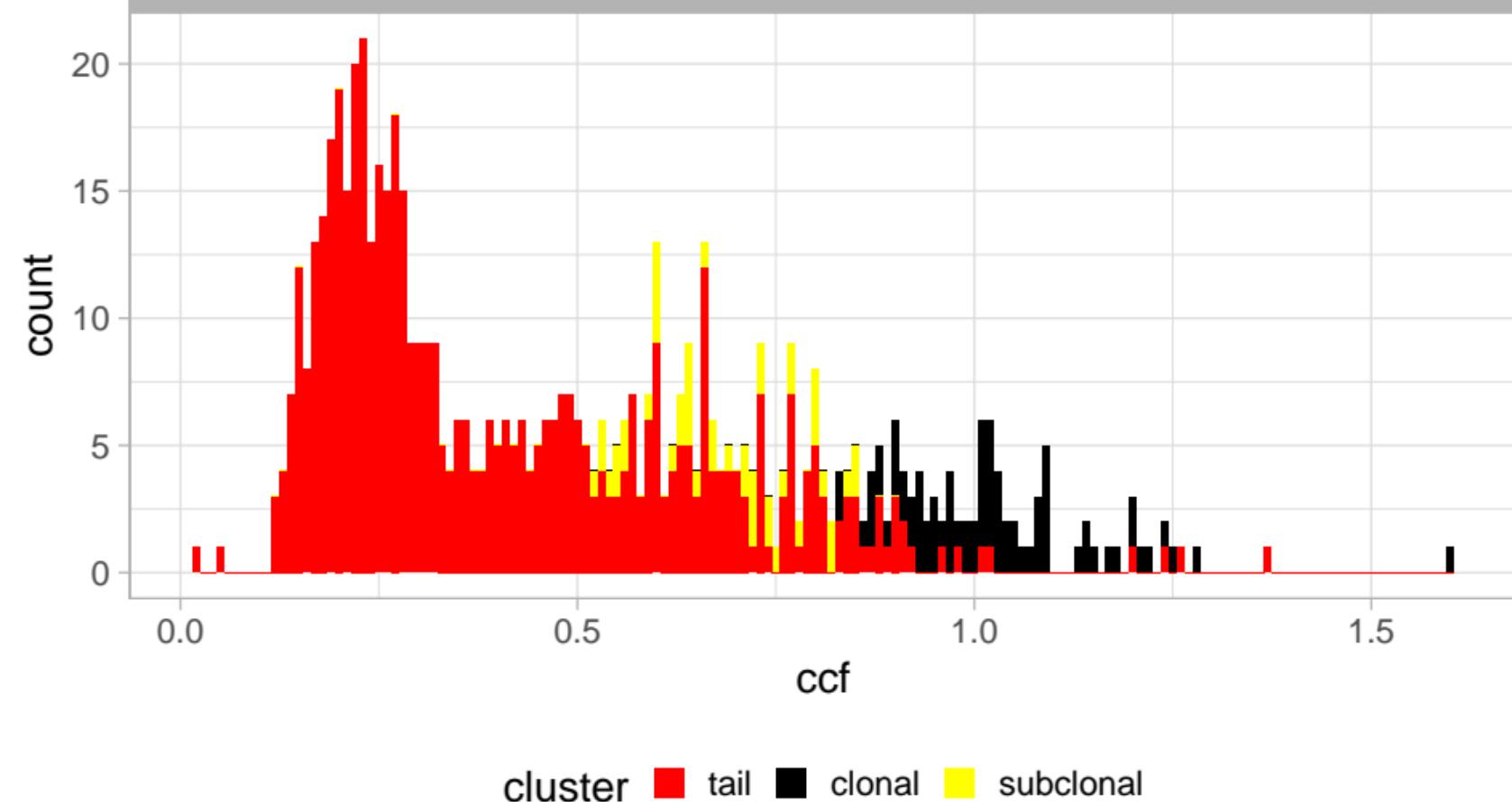
SA520420



SA529811



SA514921



SA270382

count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530446

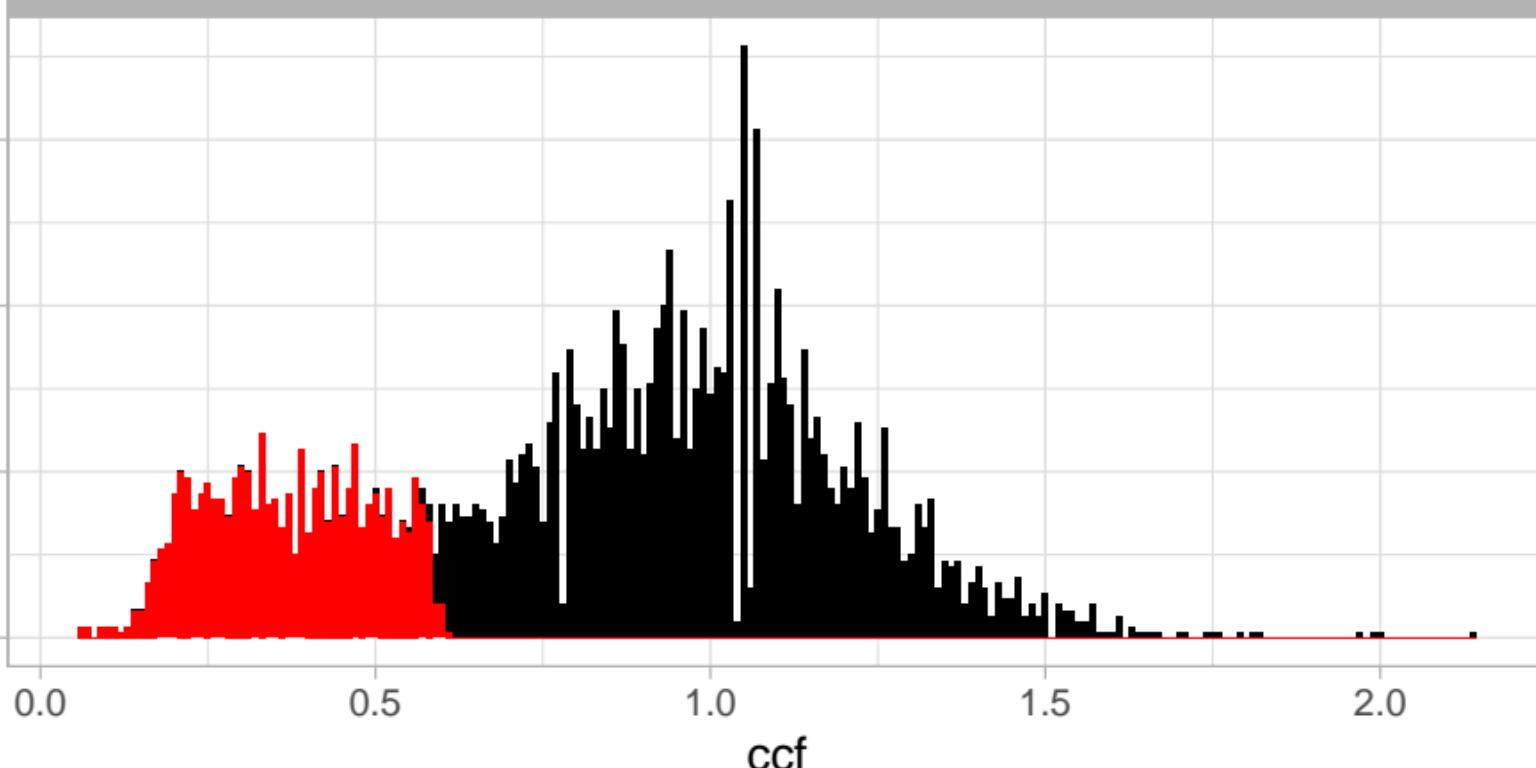
count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

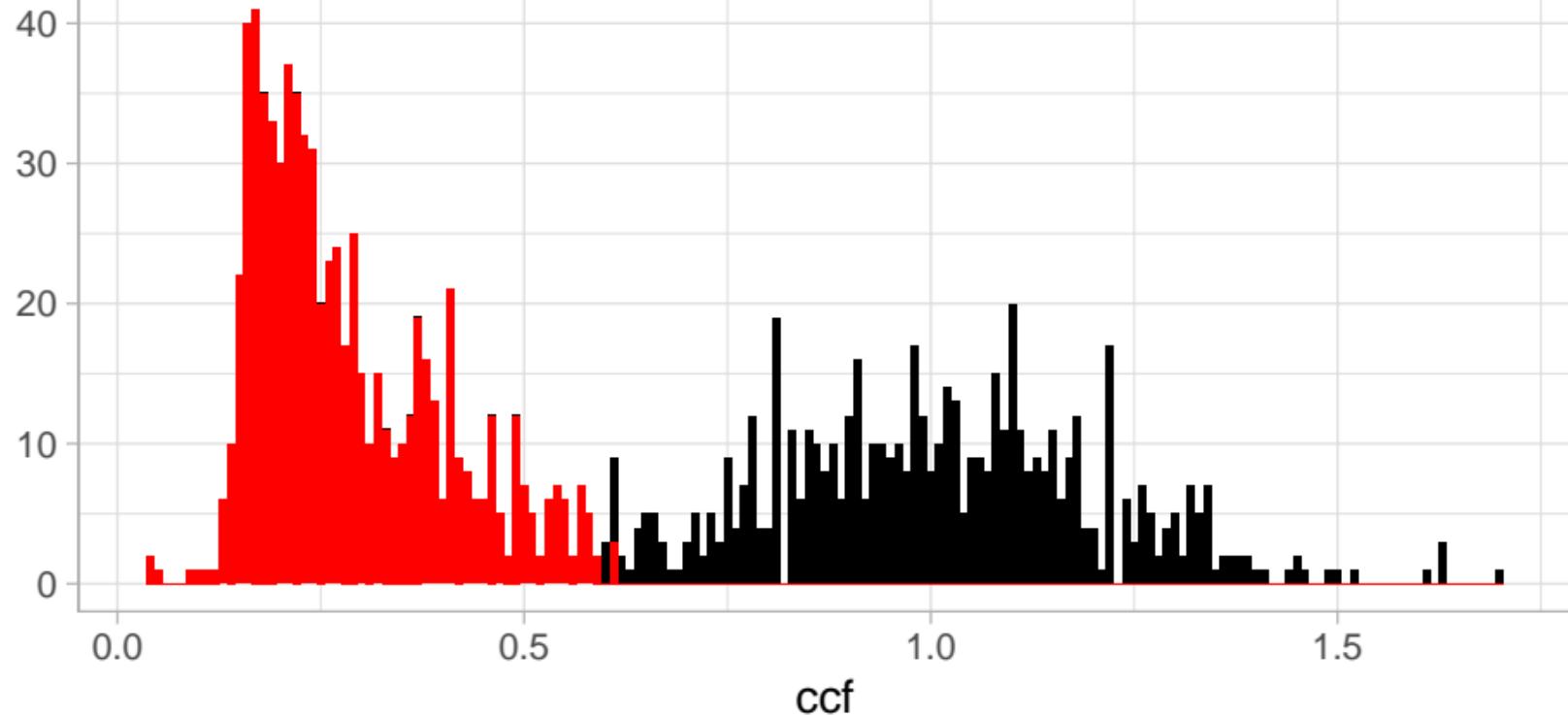
ccf

cluster tail clonal subclonal



SA413544

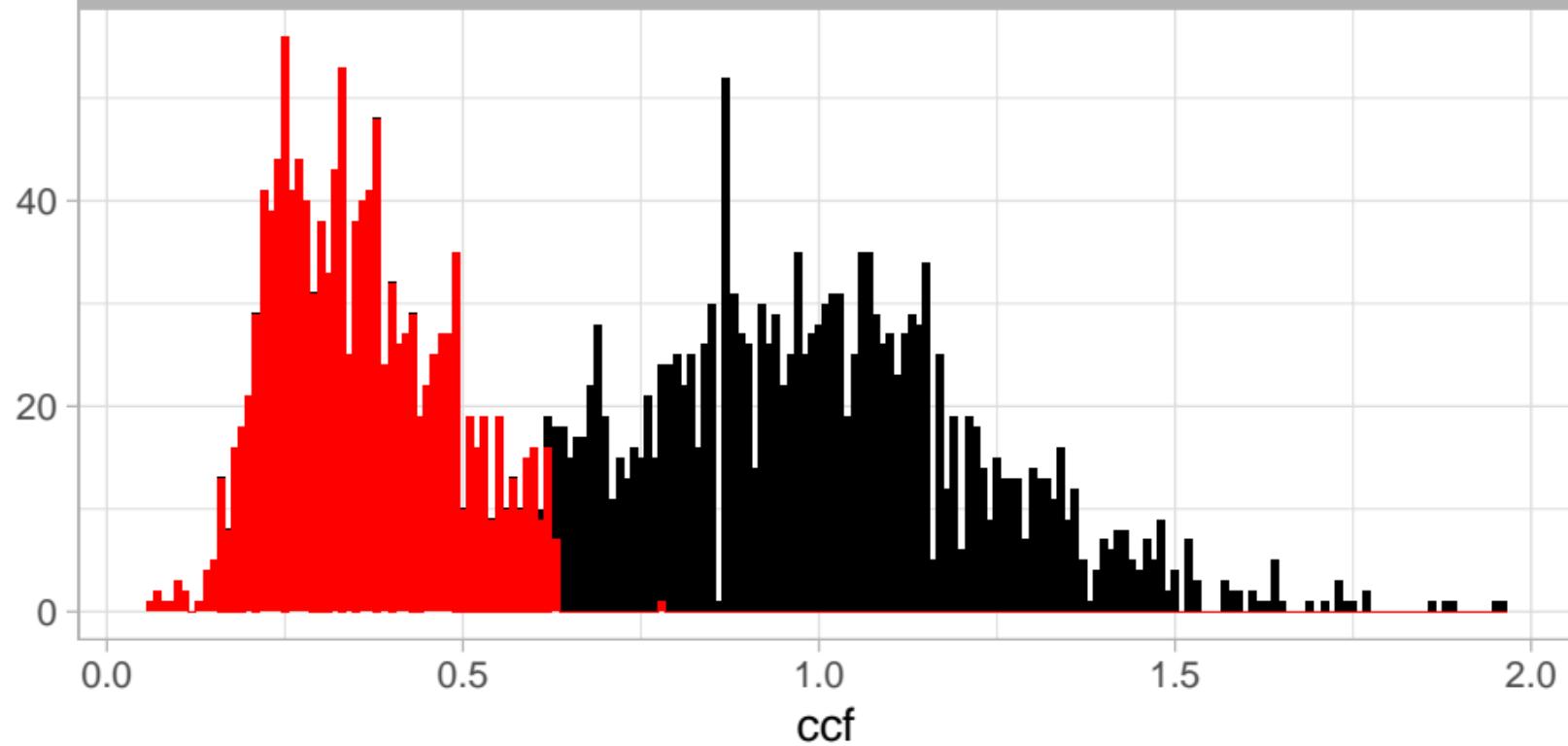
count



cluster ■ tail ■ clonal ■ subclonal

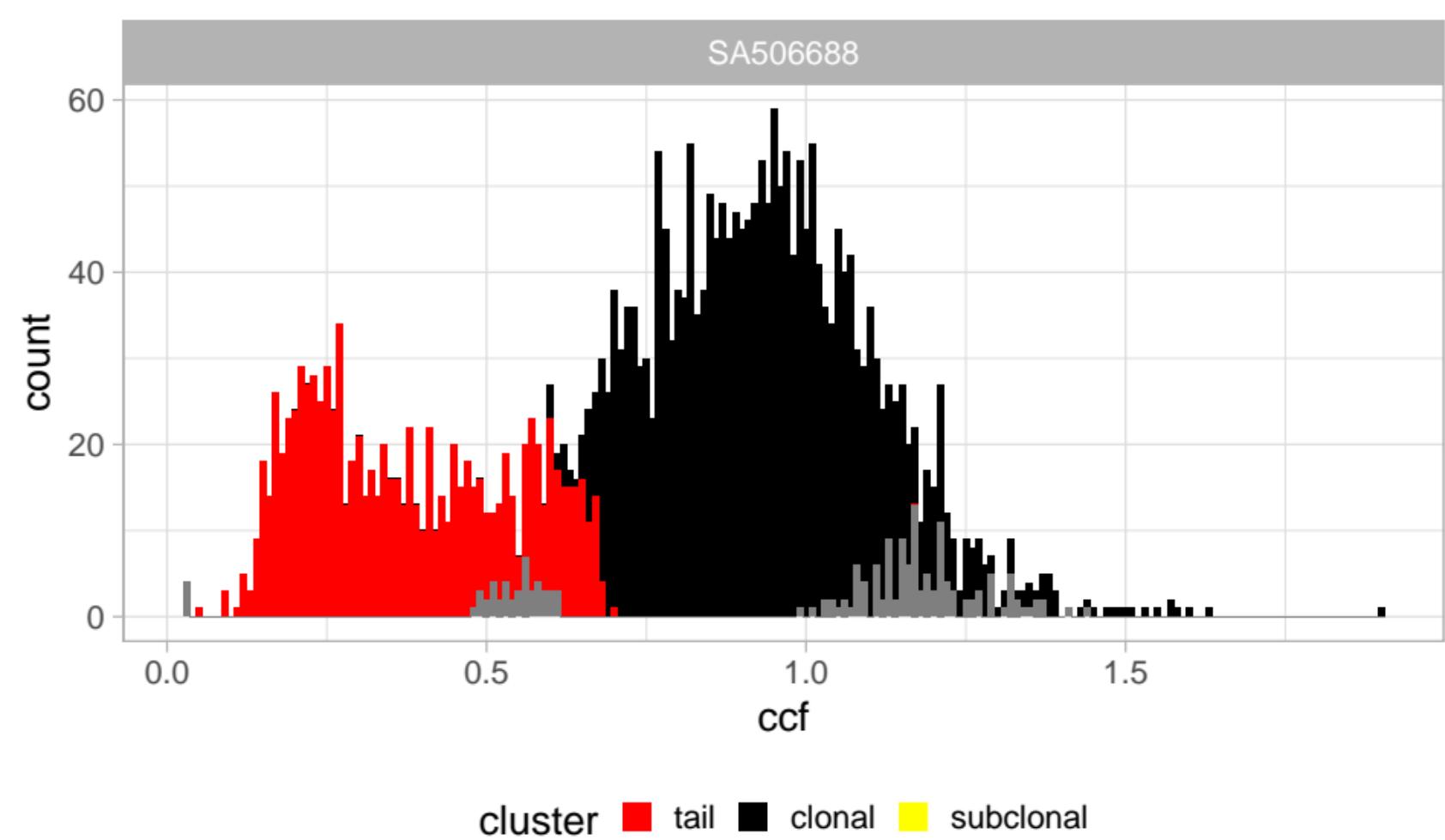
SA530553

count



cluster ■ tail ■ clonal ■ subclonal

SA506688



SA501514

count

200

150

50

0

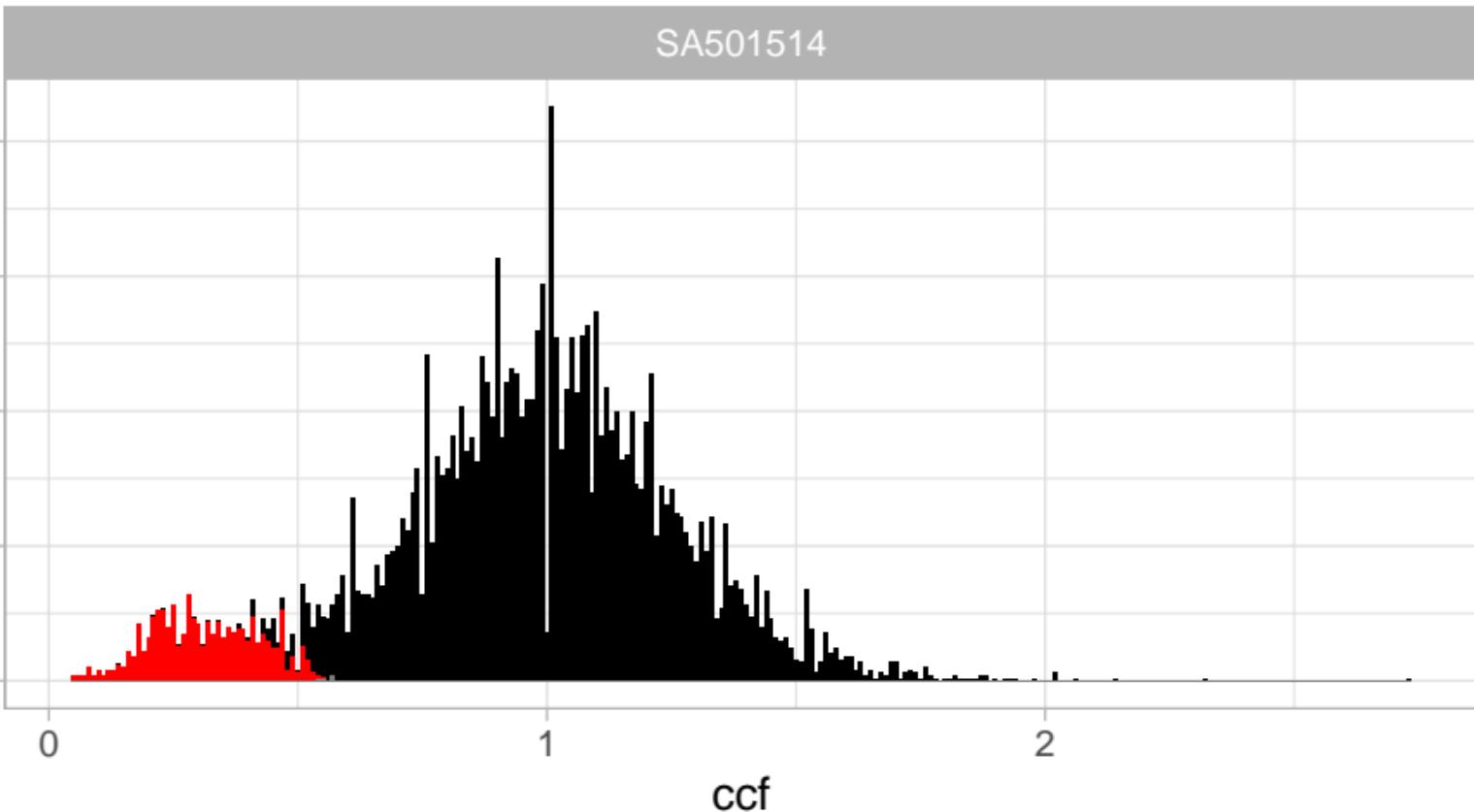
0

1

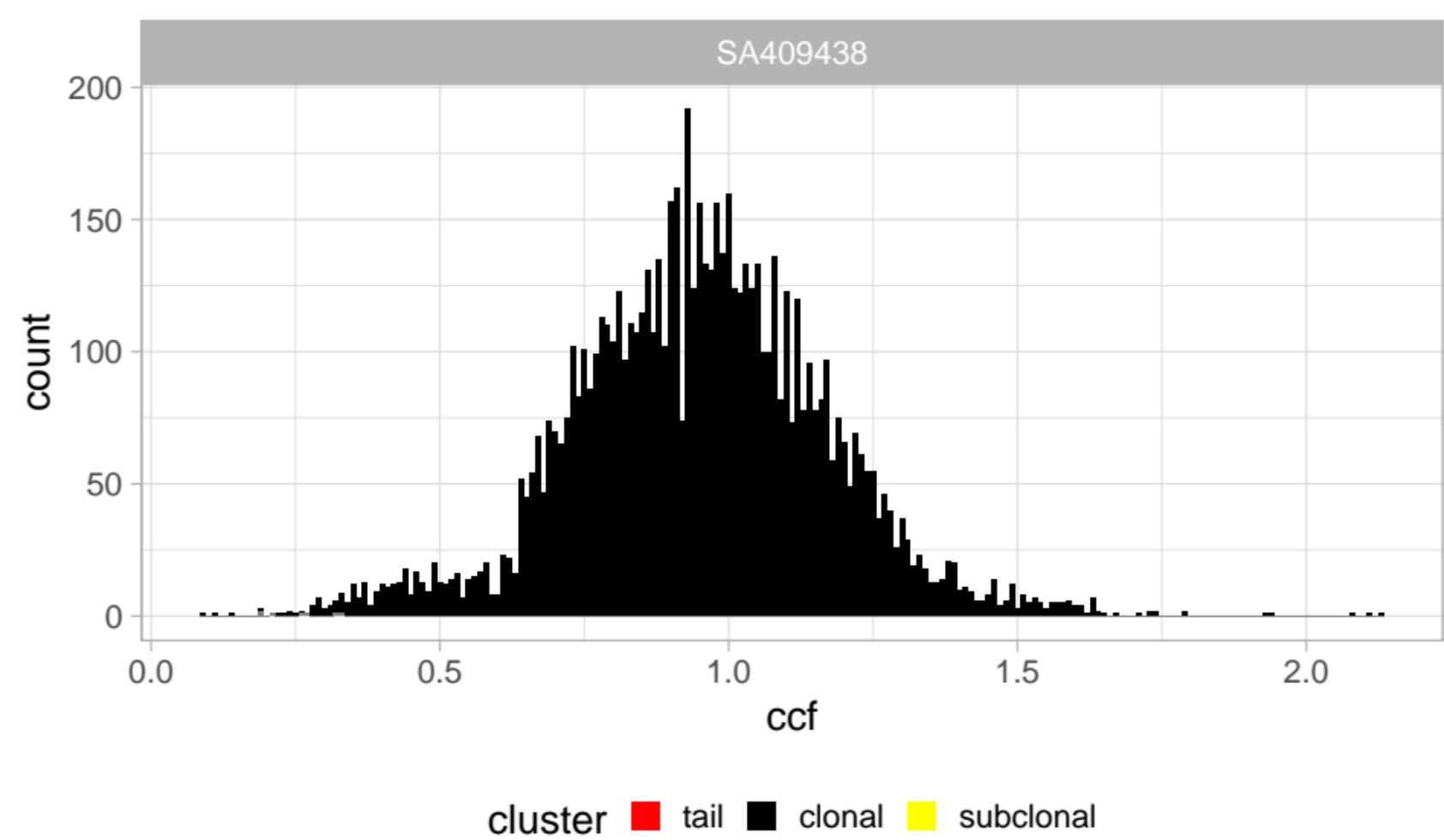
2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA409438



SA539008

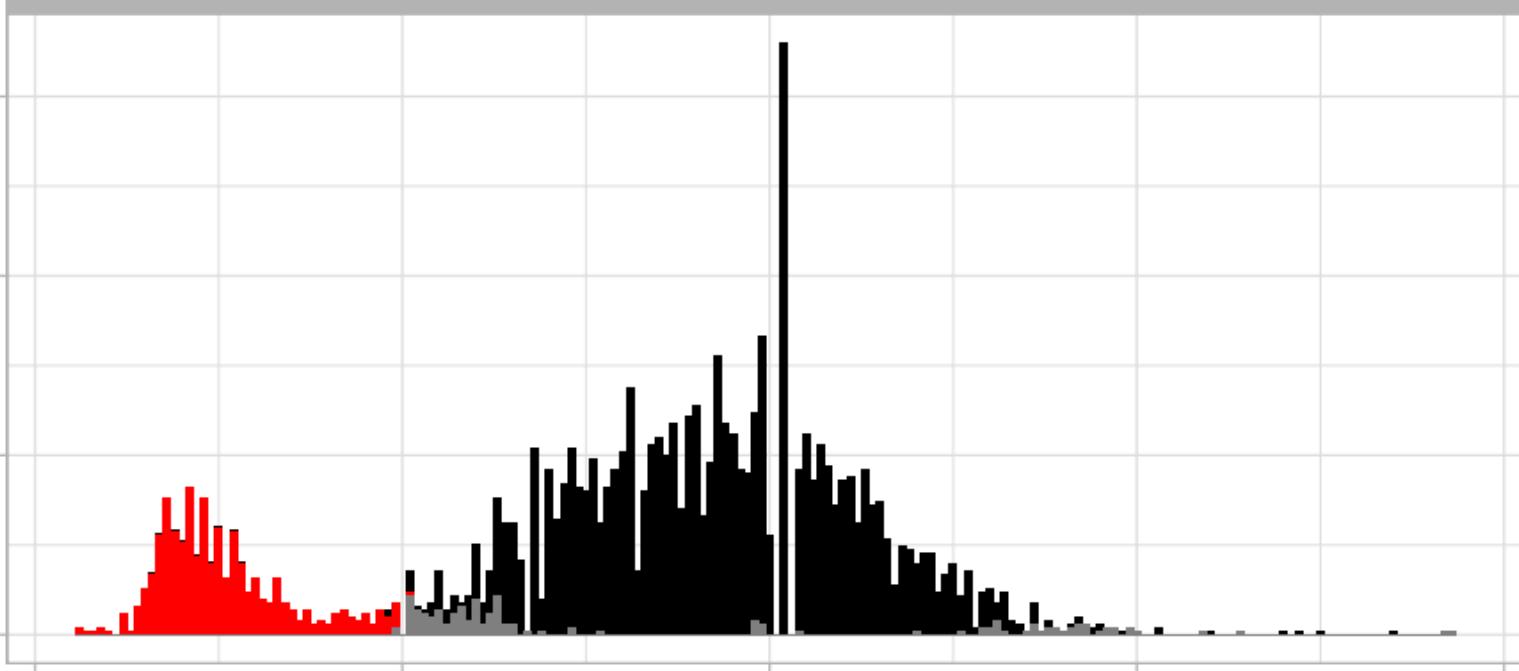
count

150
100
50
0

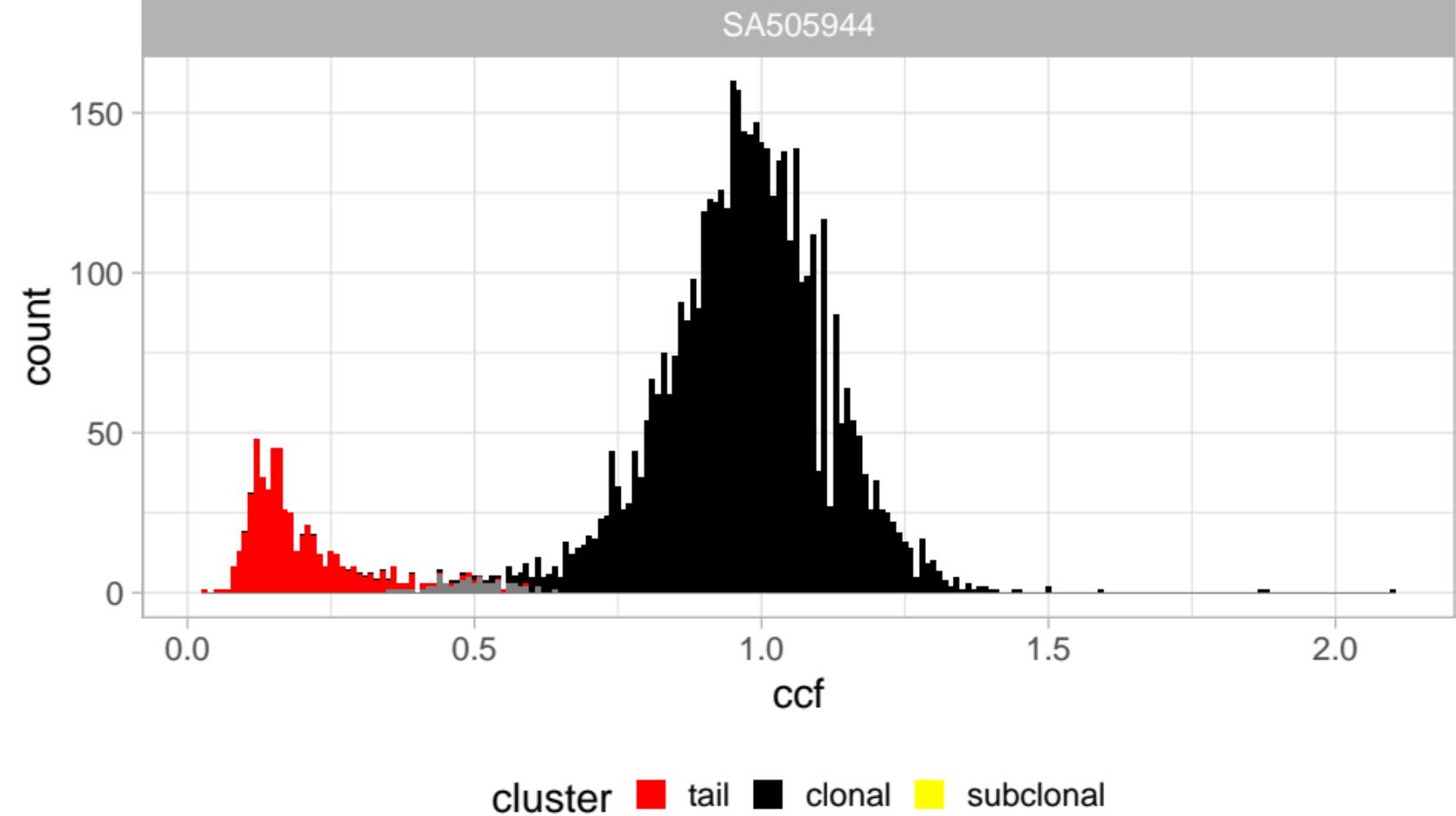
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA505944



SA413905

count

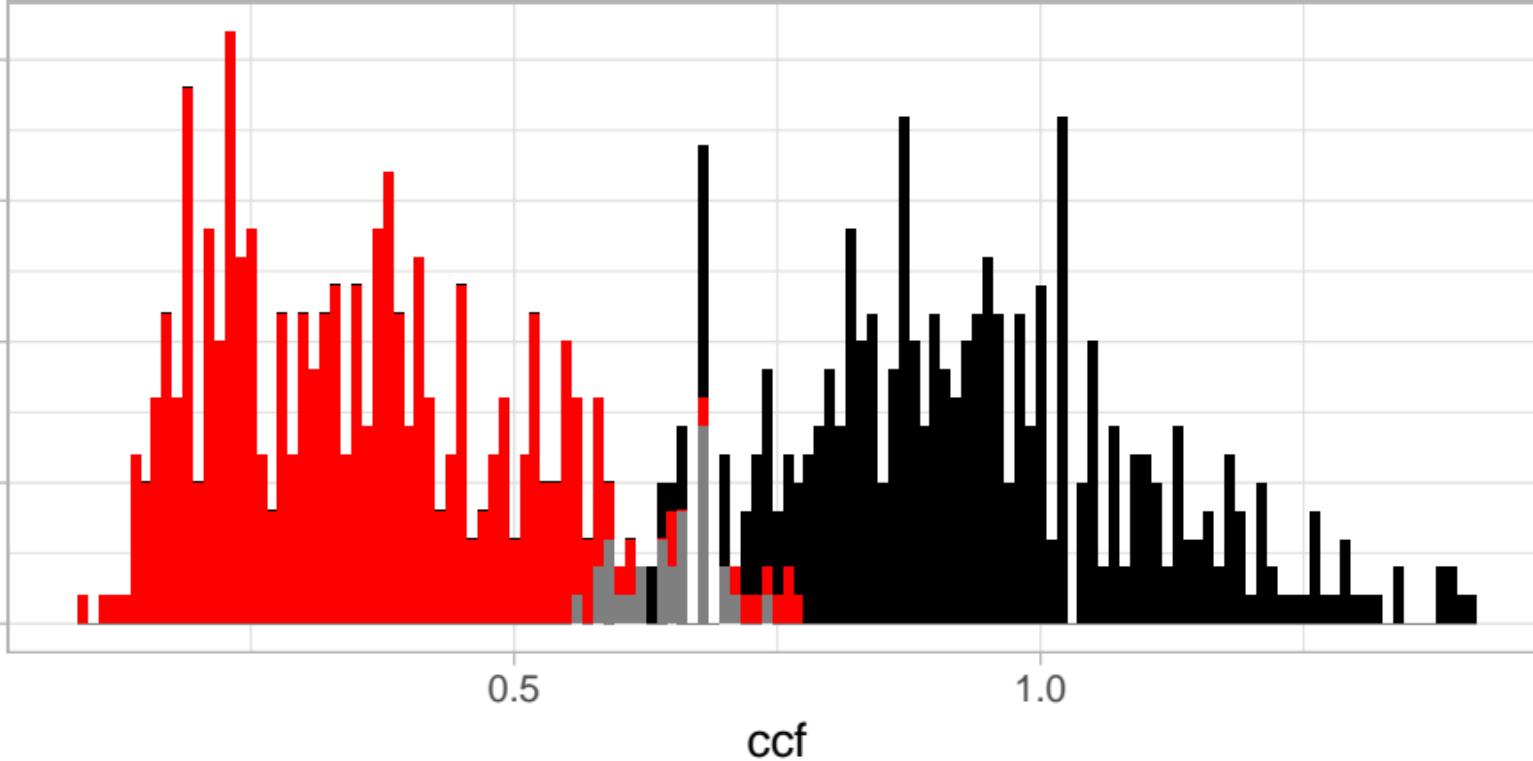
20
15
10
5
0

0.5

1.0

ccf

cluster tail clonal subclonal



SA507430

count

300
200
100
0

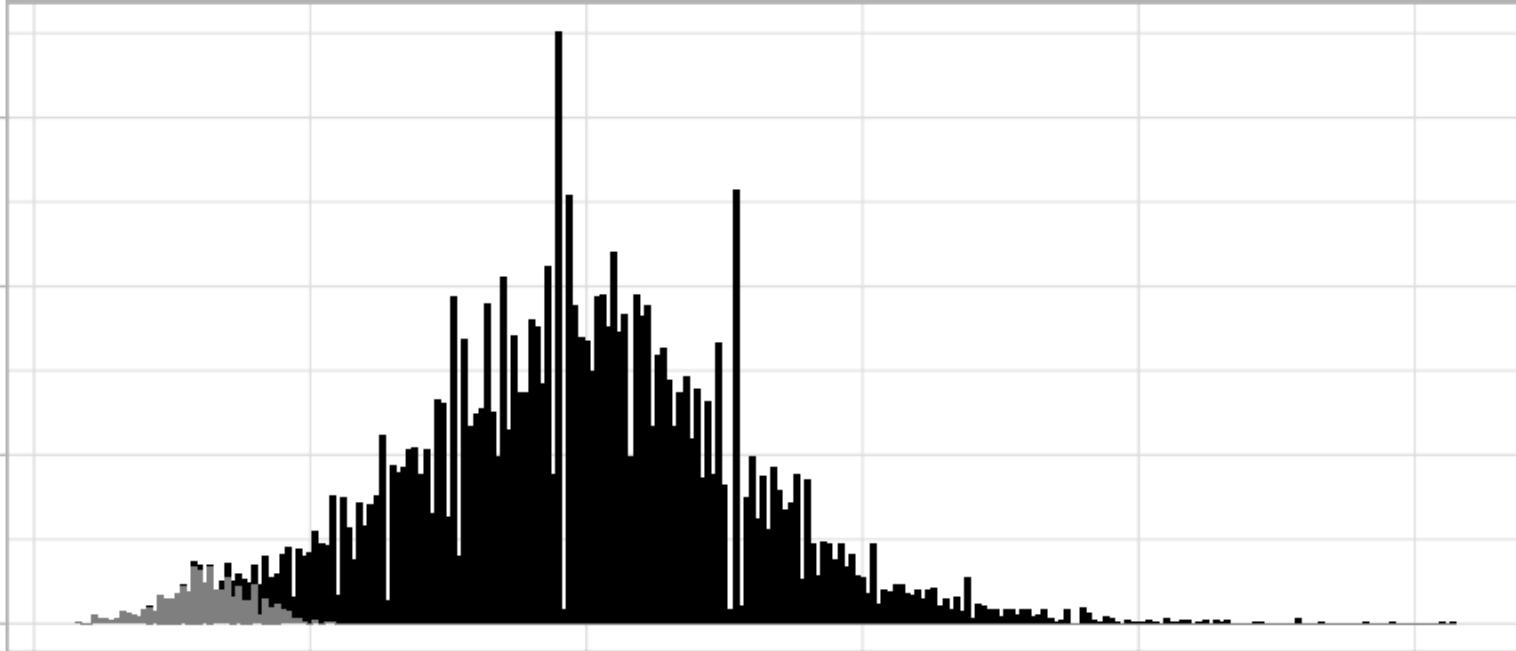
0

1

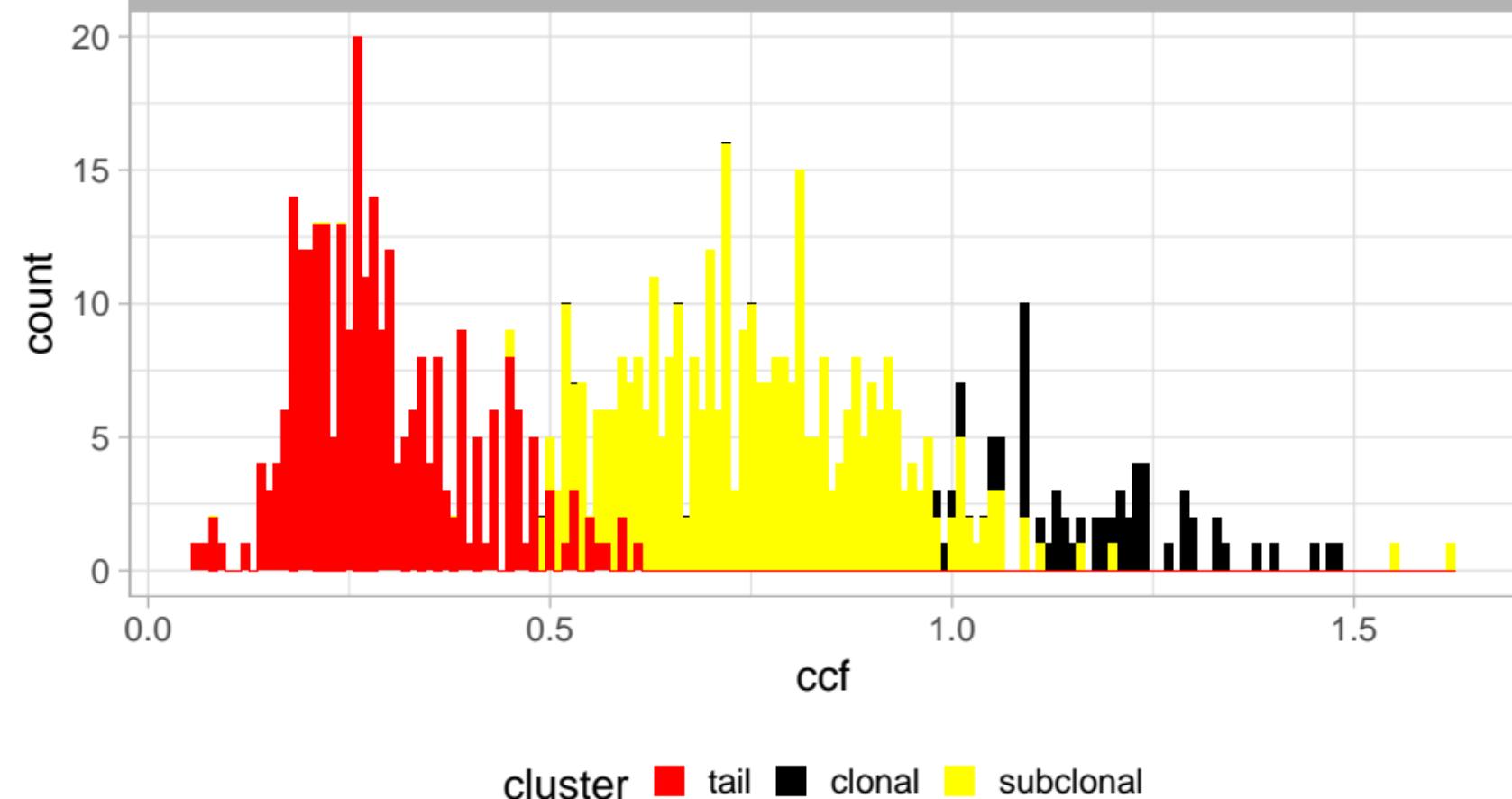
2

ccf

cluster tail clonal subclonal



SA414143



SA530430

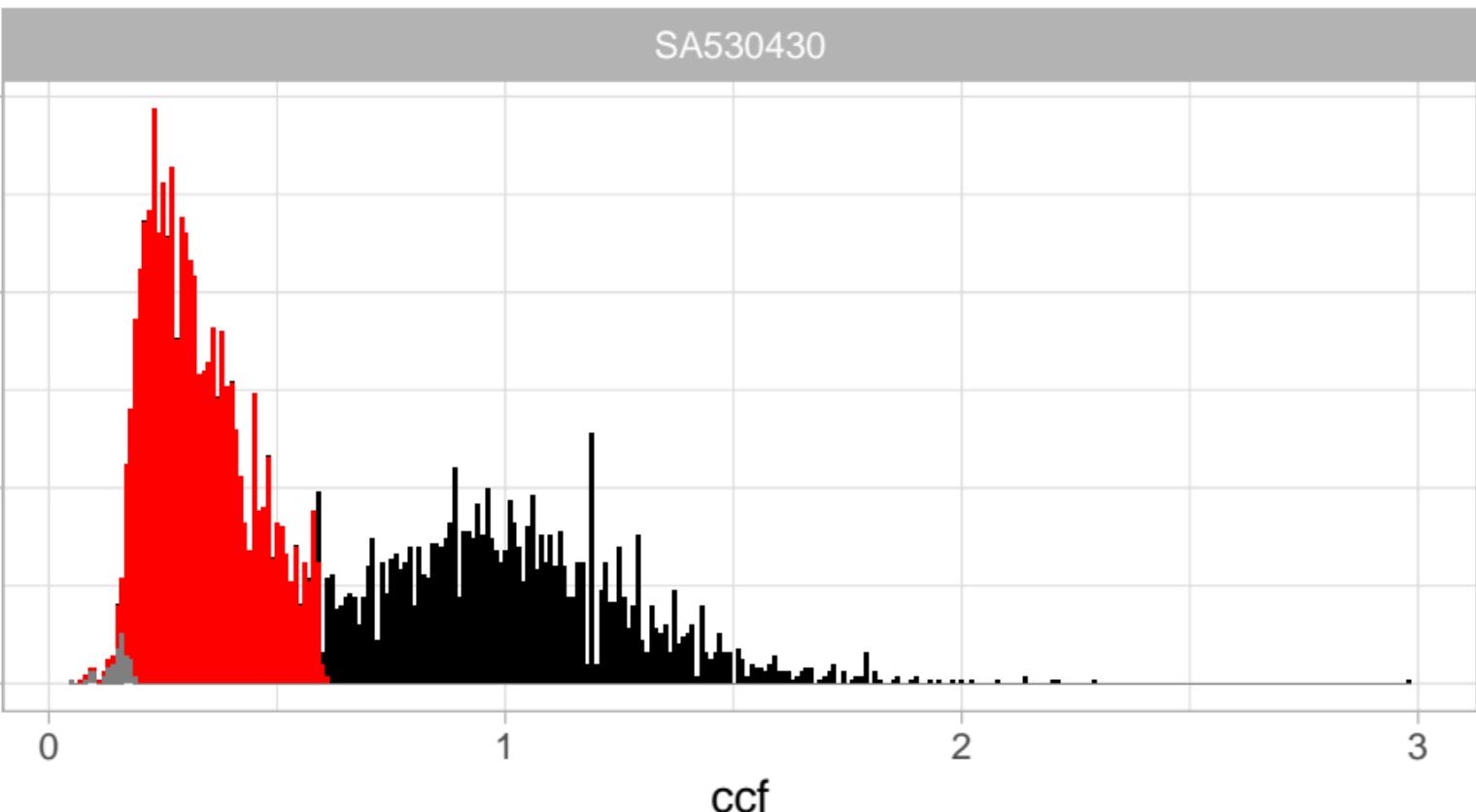
count

150
100
50
0

0 1 2 3

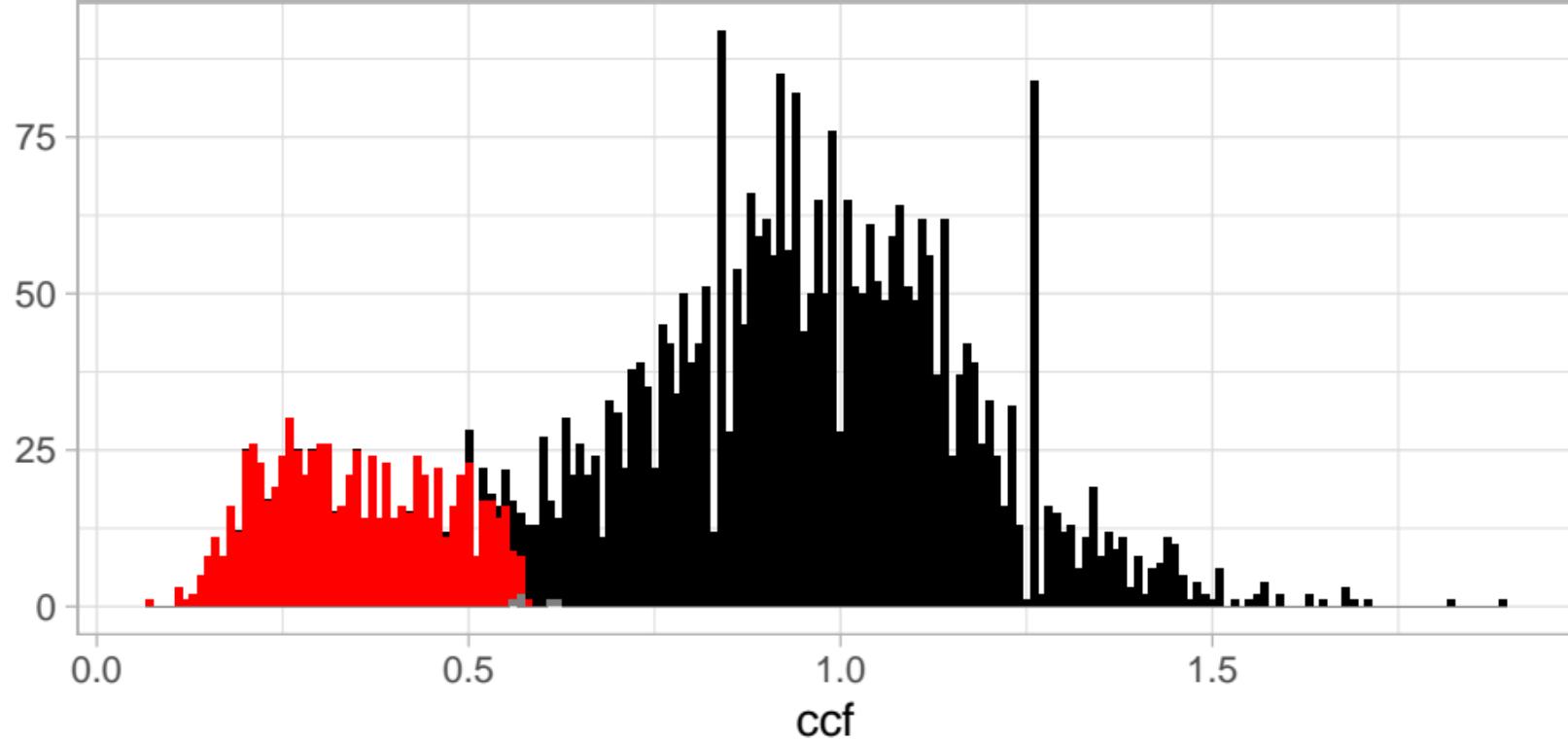
ccf

cluster ■ tail ■ clonal ■ subclonal



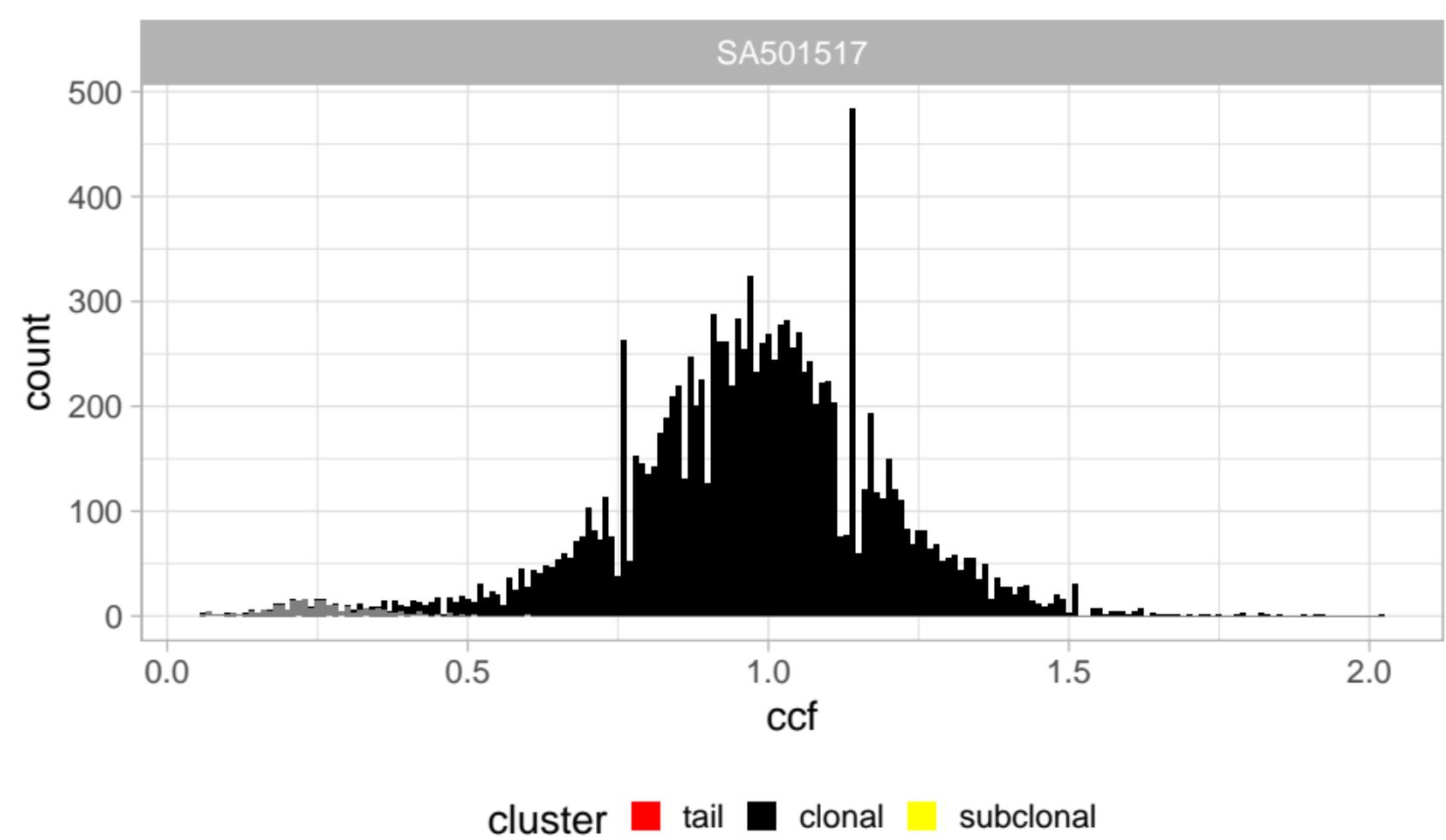
SA501590

count



cluster ■ tail ■ clonal ■ subclonal

SA501517



SA530626

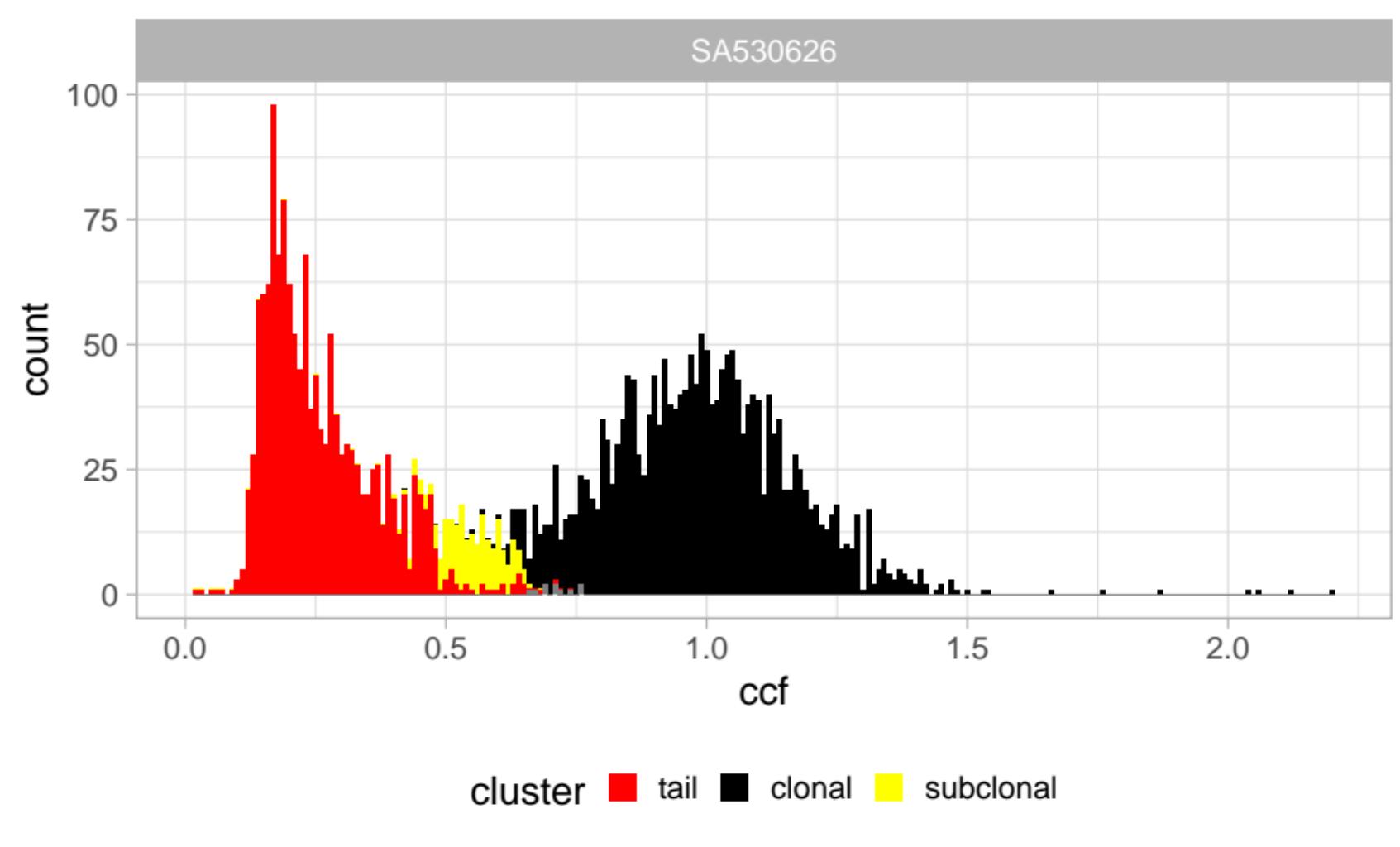
count

100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA505701

count

100

75

50

25

0

0.0

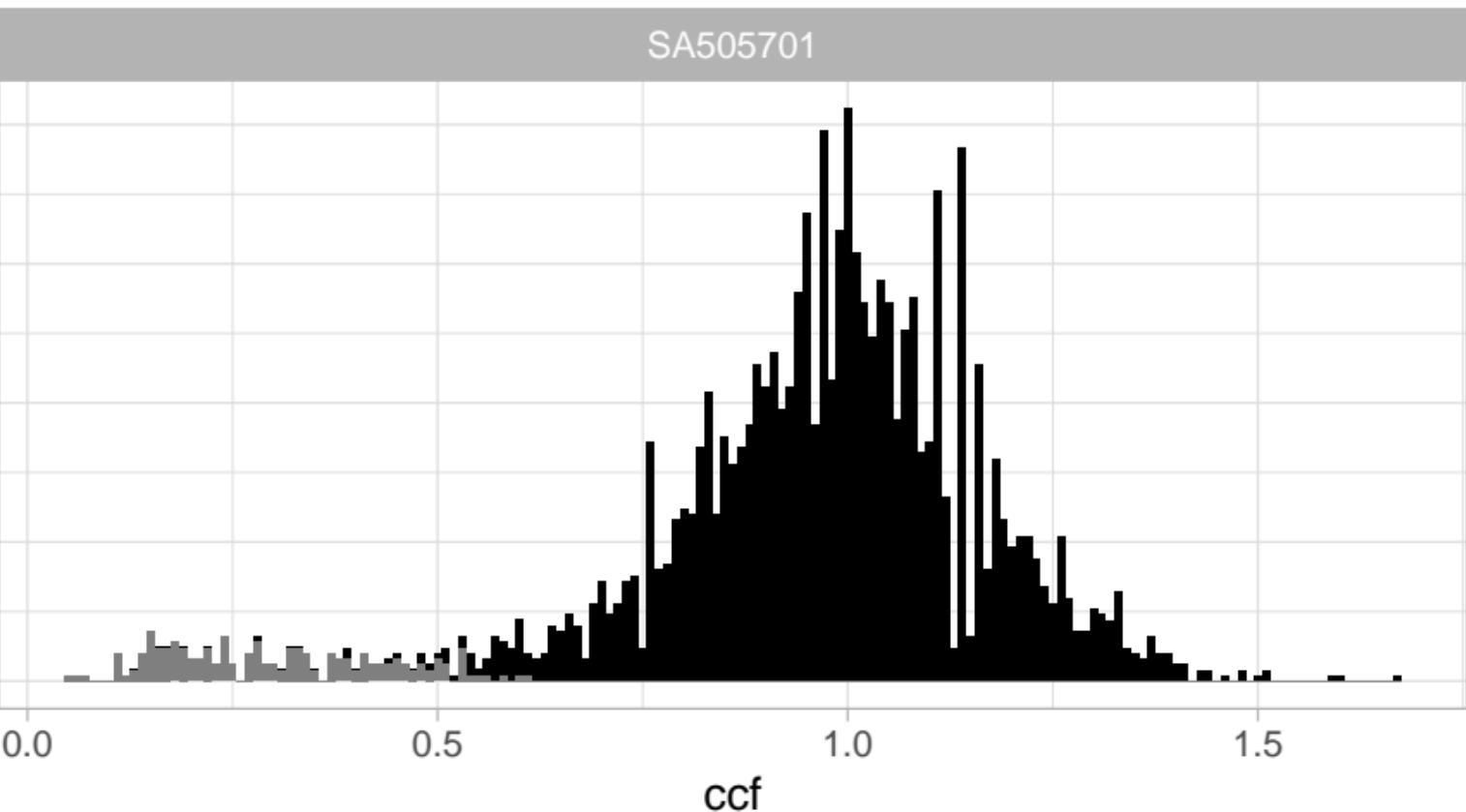
0.5

1.0

1.5

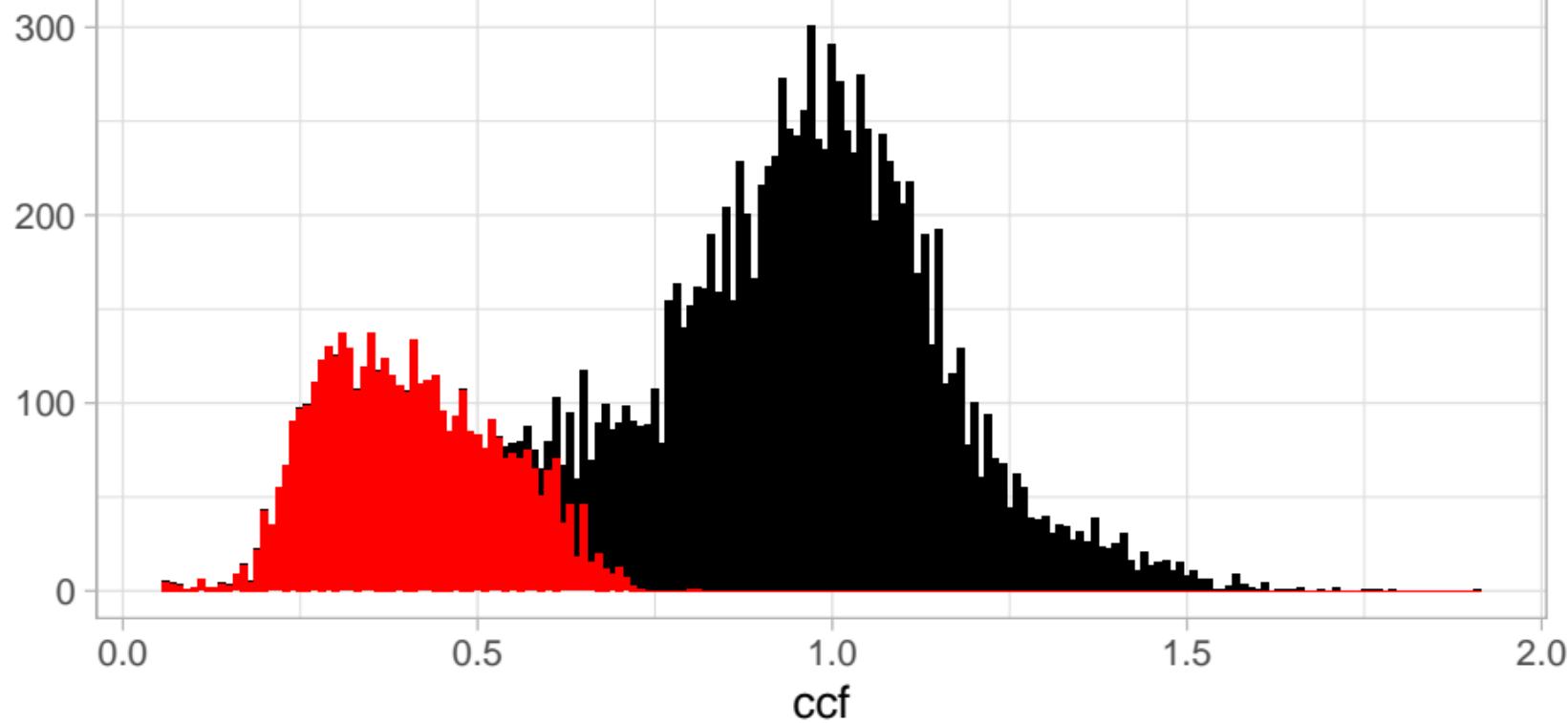
ccf

cluster tail clonal subclonal



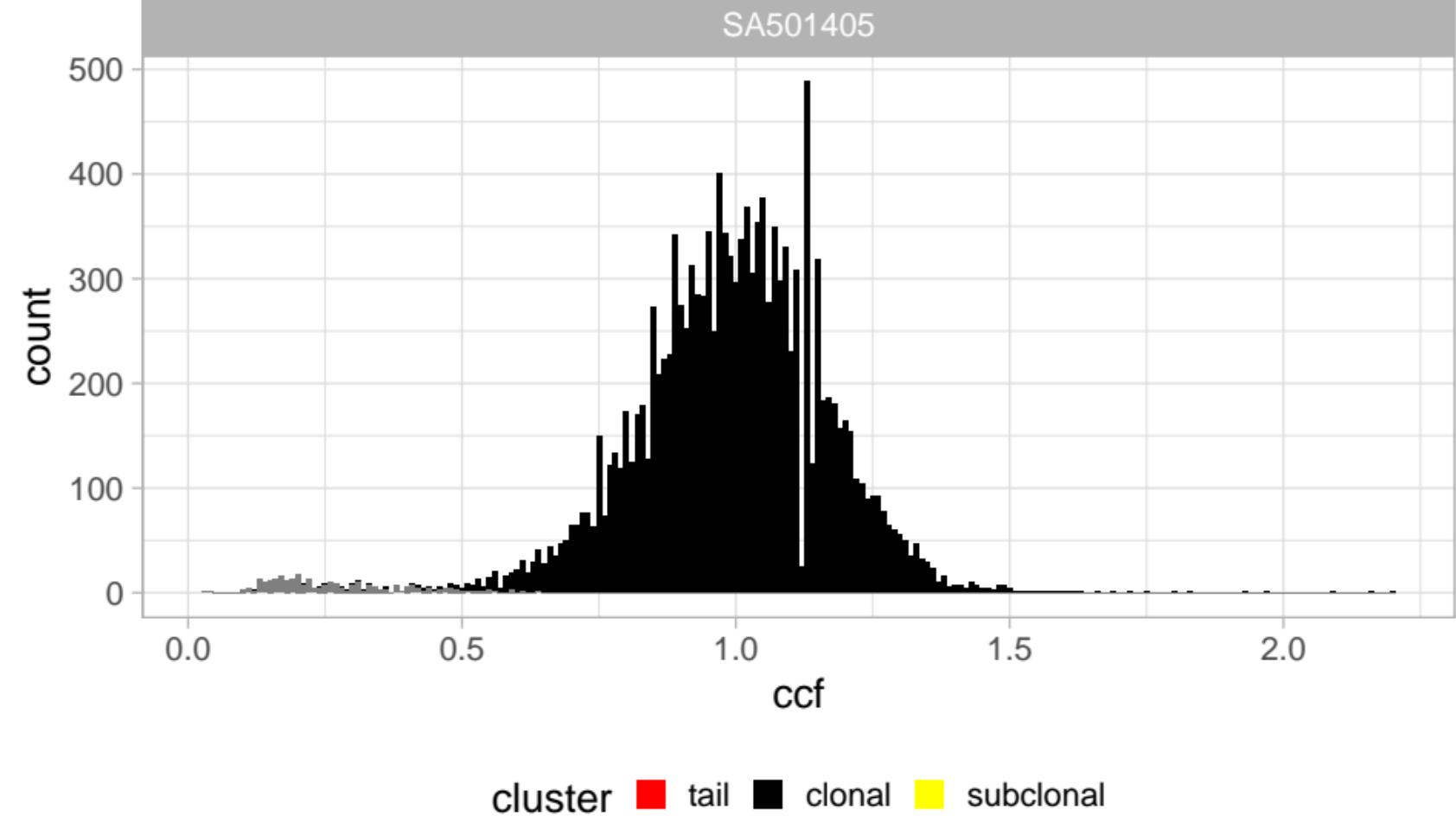
SA533688

count



cluster ■ tail ■ clonal ■ subclonal

SA501405



SA506687

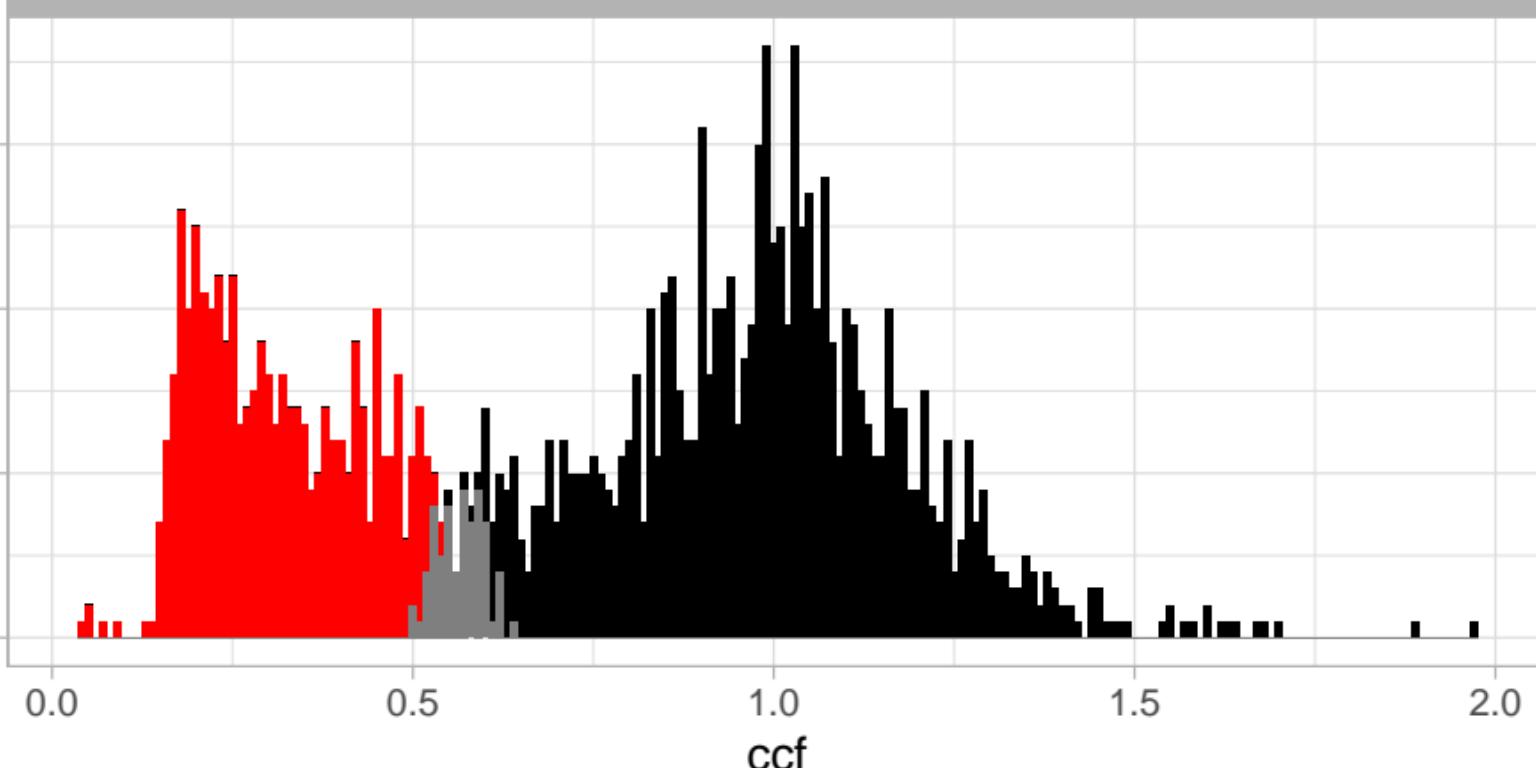
count

30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA517254

count

90
60
30
0

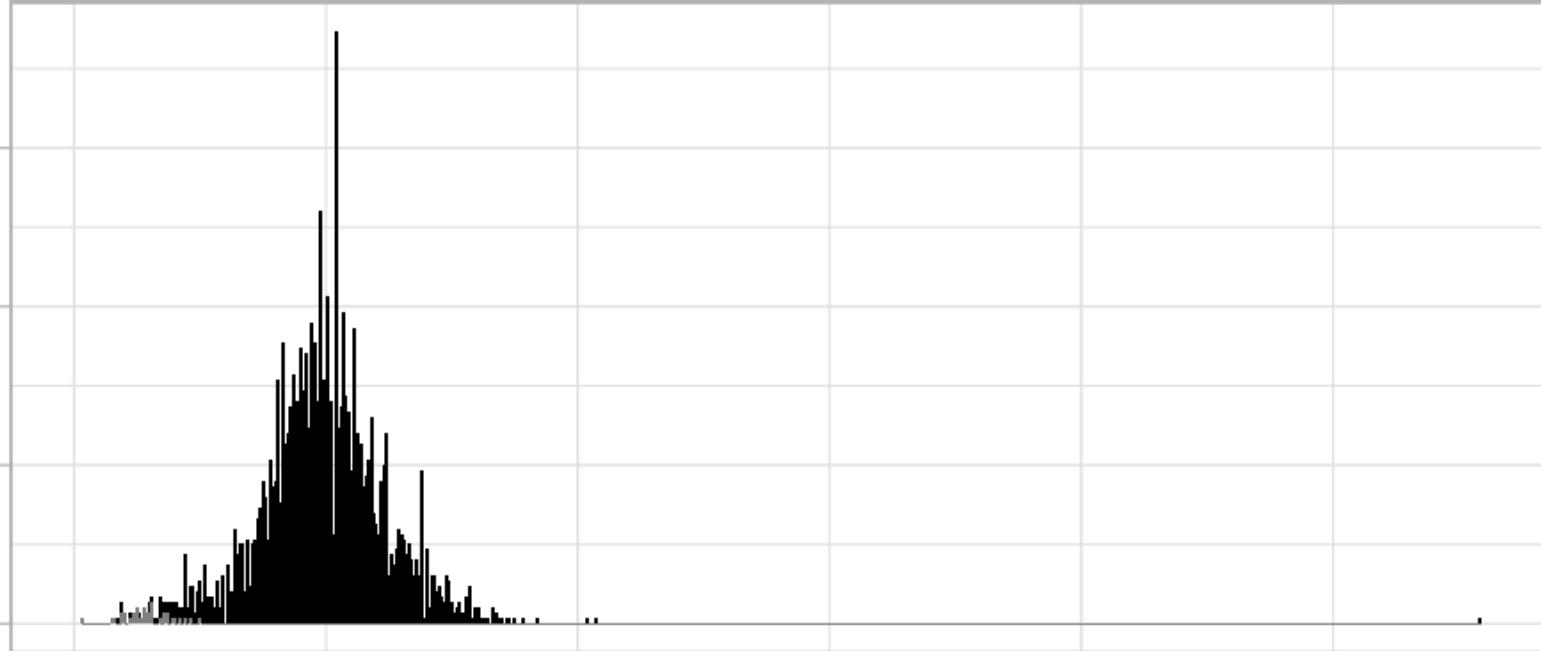
0

2

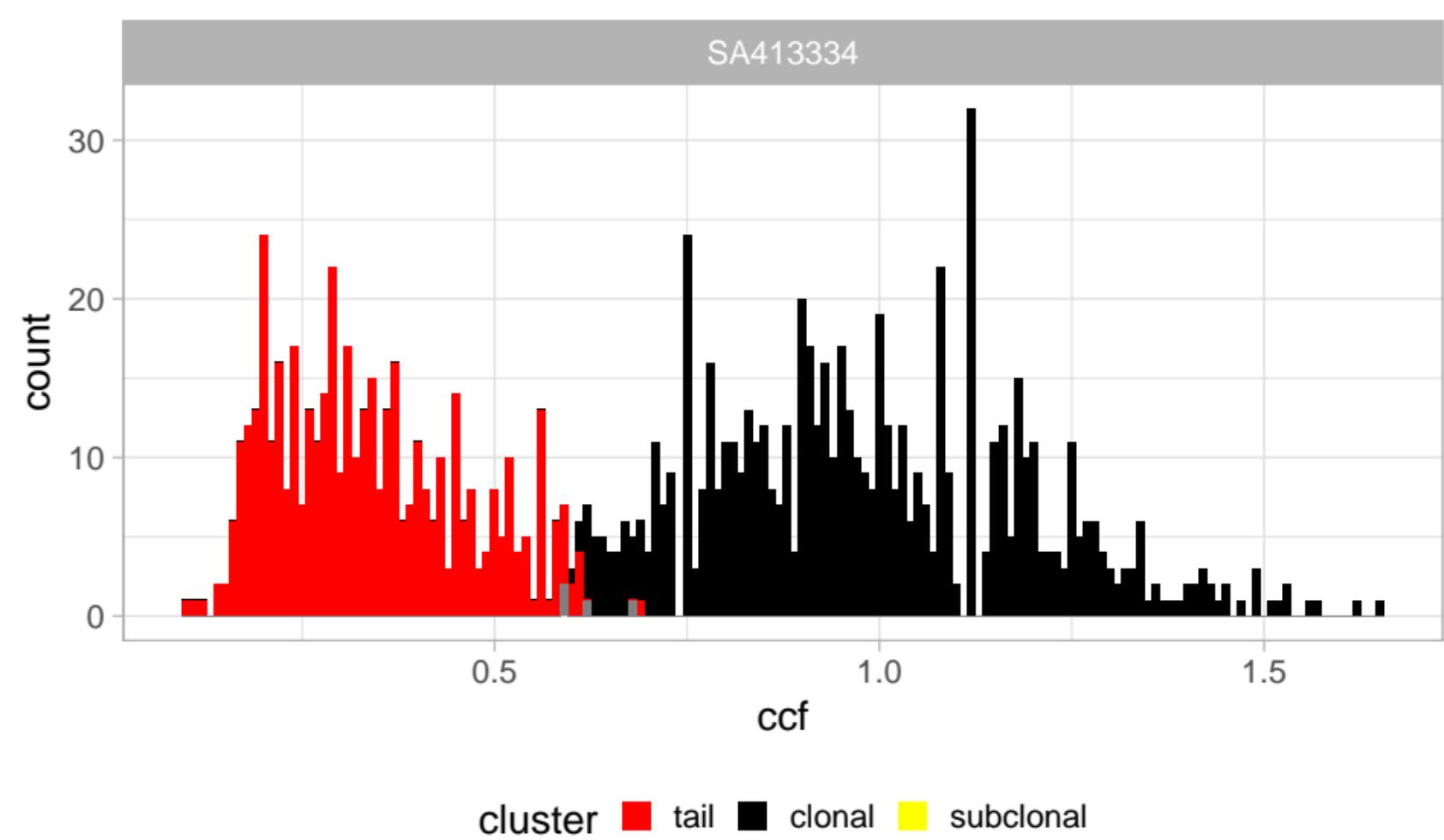
4

ccf

cluster ■ tail ■ clonal ■ subclonal

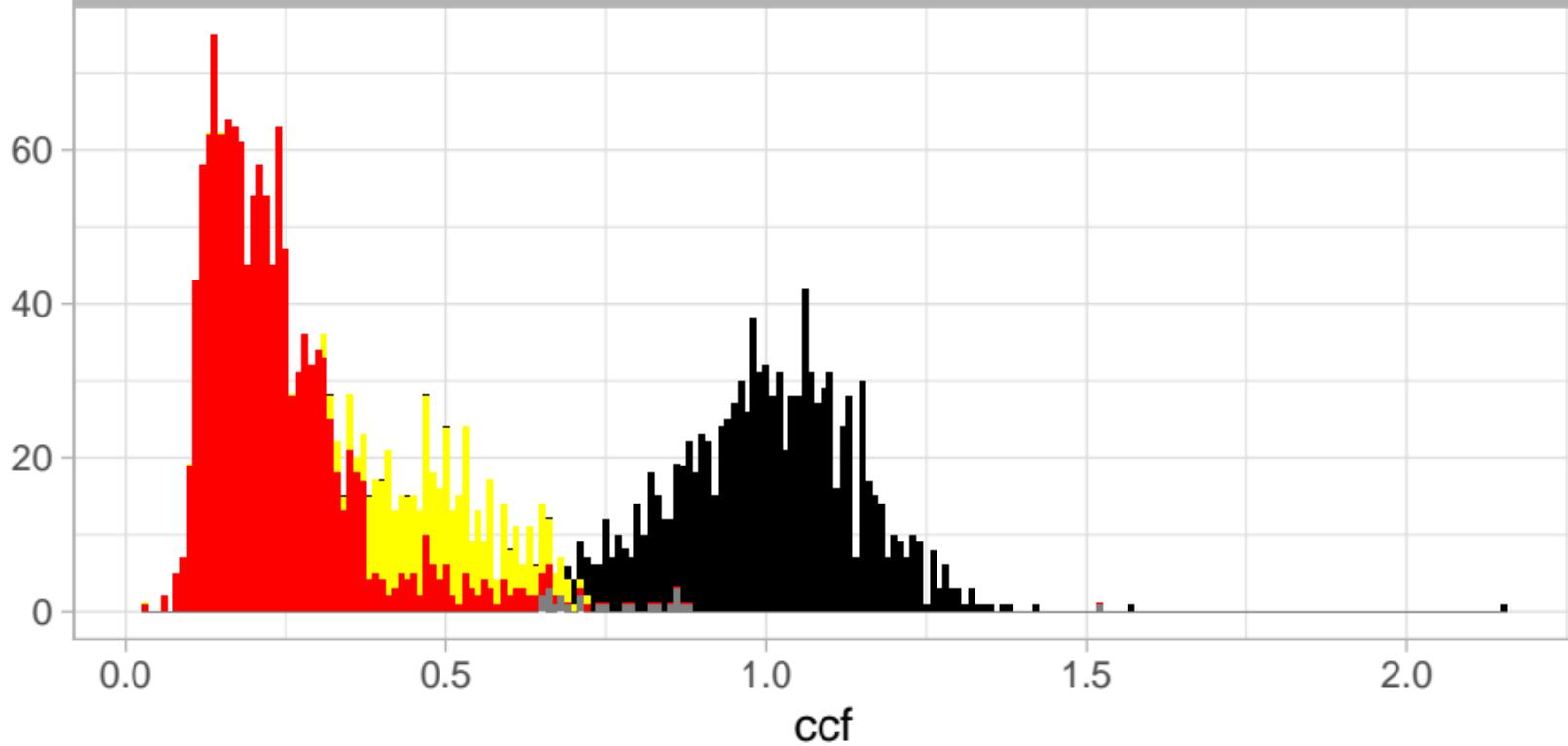


SA413334



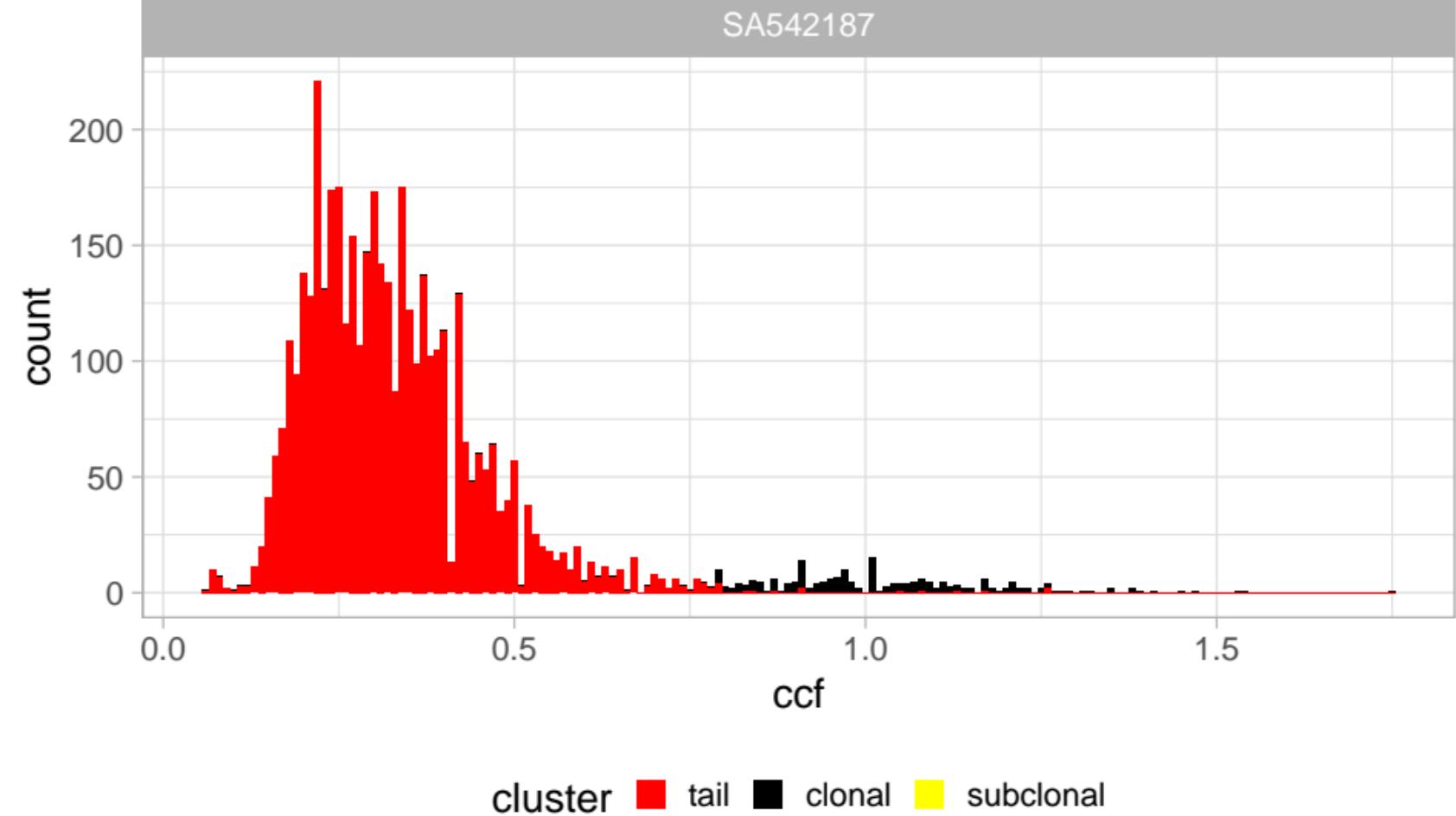
SA506712

count

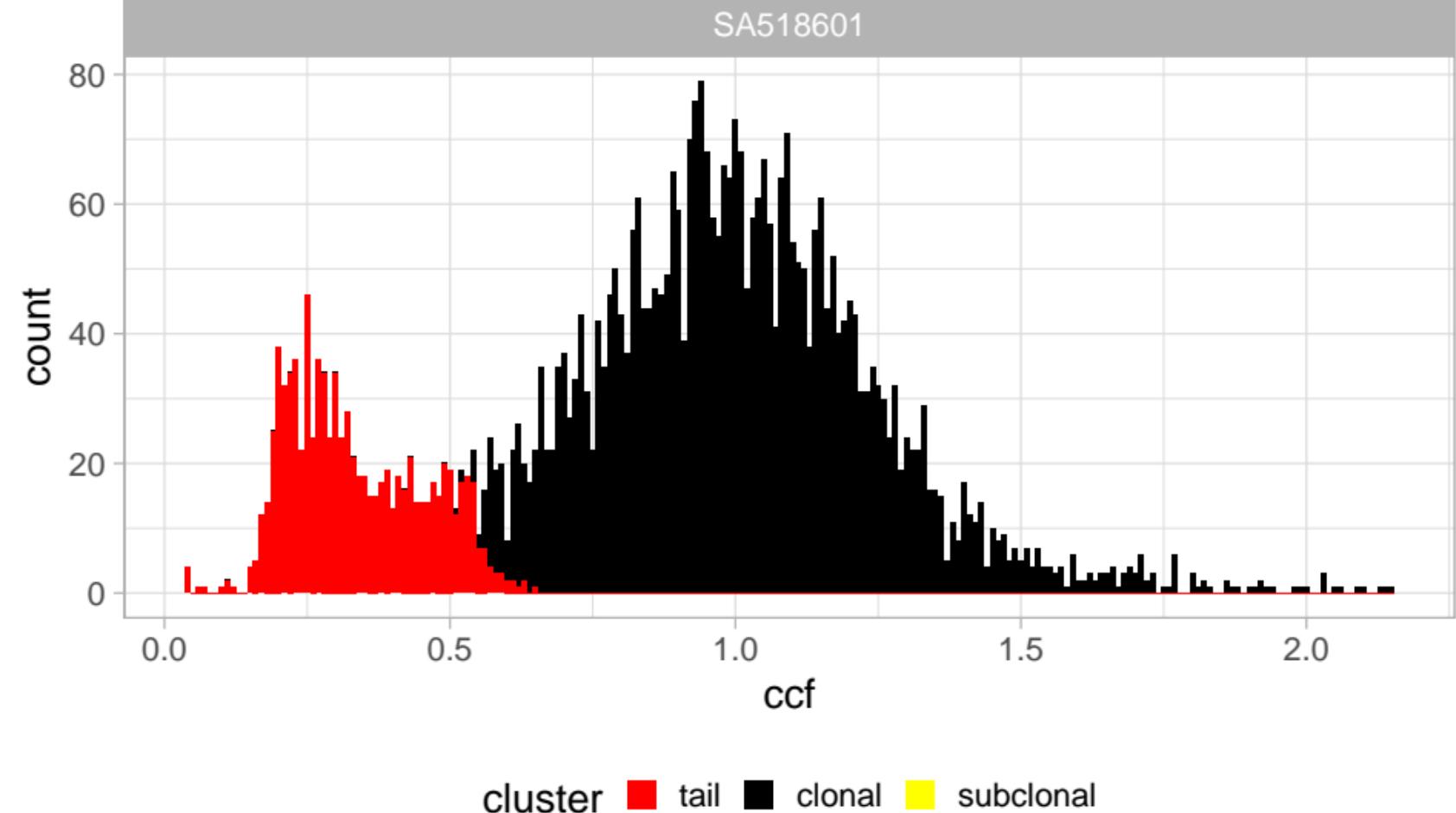


cluster ■ tail ■ clonal ■ subclonal

SA542187



SA518601



SA517351

count

100
50
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA528850

count

400
200
0

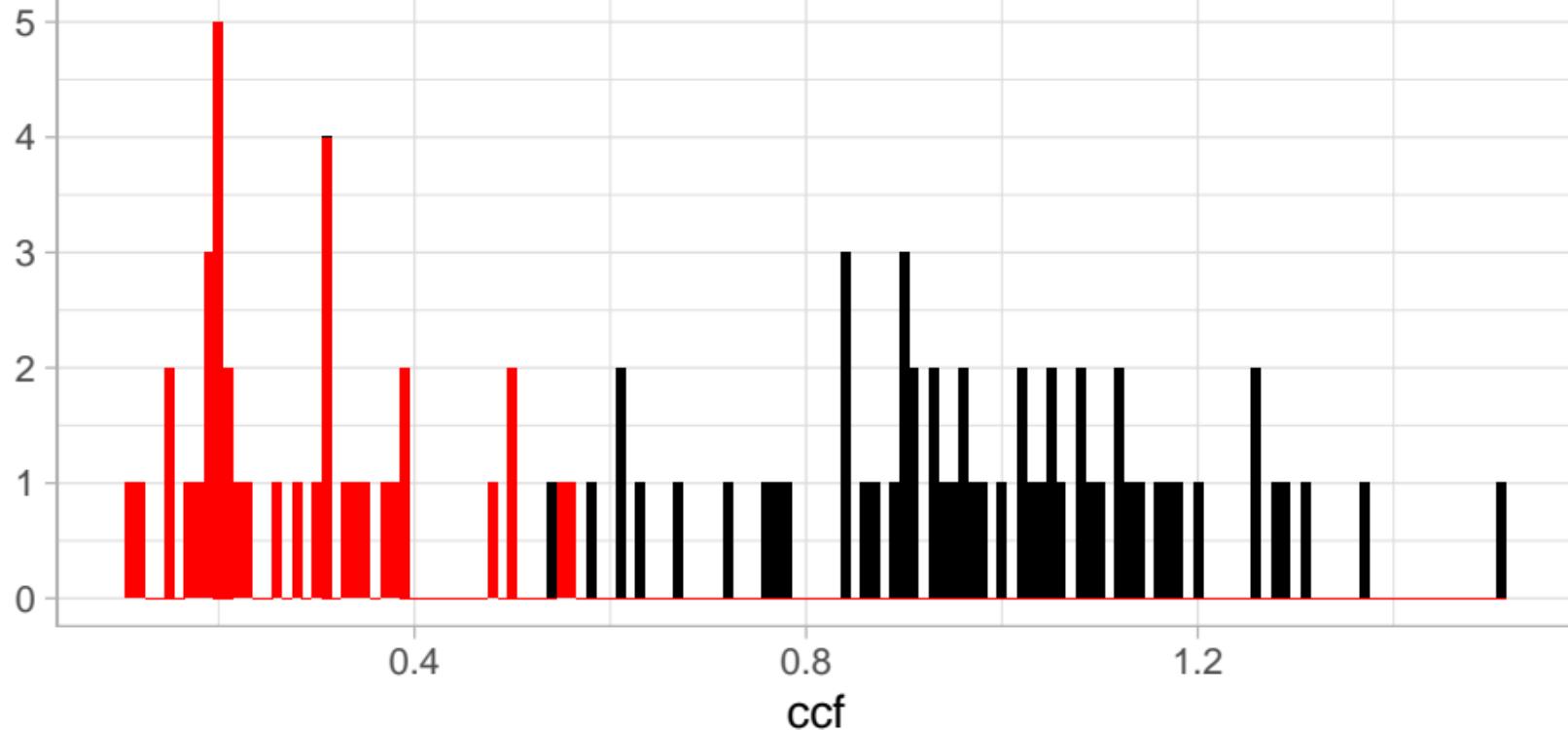
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413904

count



cluster ■ tail ■ clonal ■ subclonal

SA507171

count

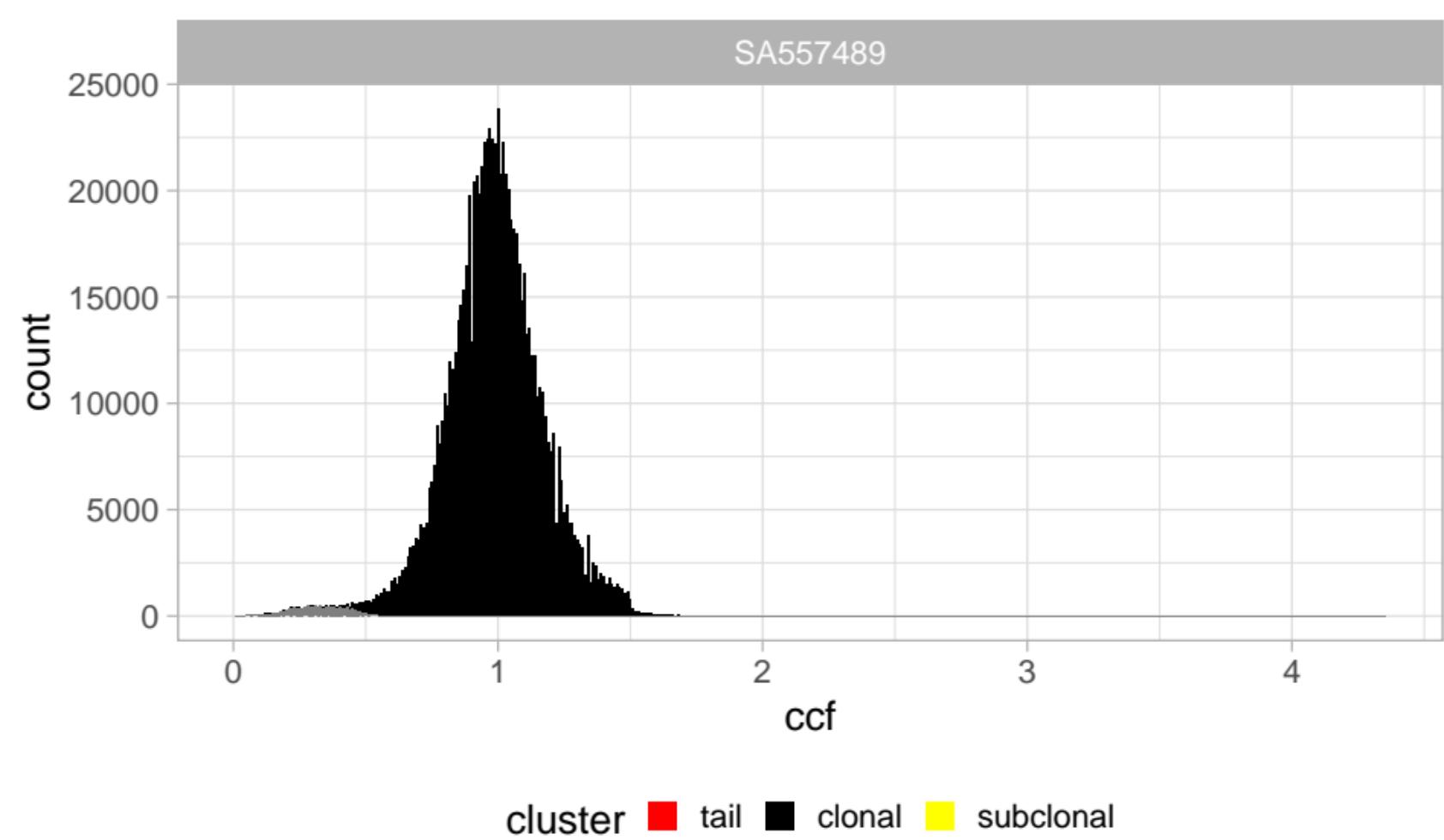
80
60
40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA557489



SA528939

count

1500
1000
500
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA544237

count

100

75

50

25

0

0.0

0.5

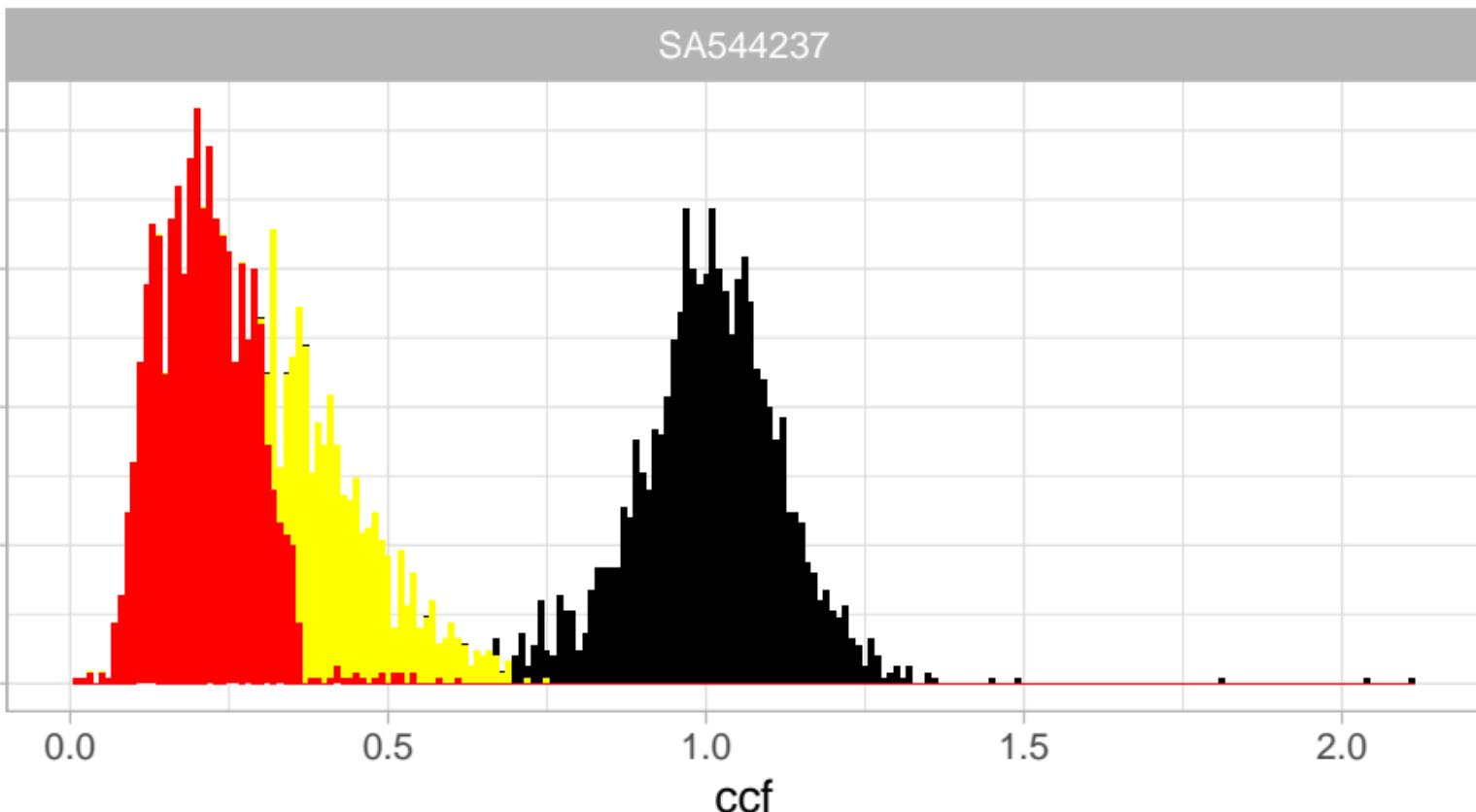
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA528671

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533752

count

100

50

0

0.0

0.5

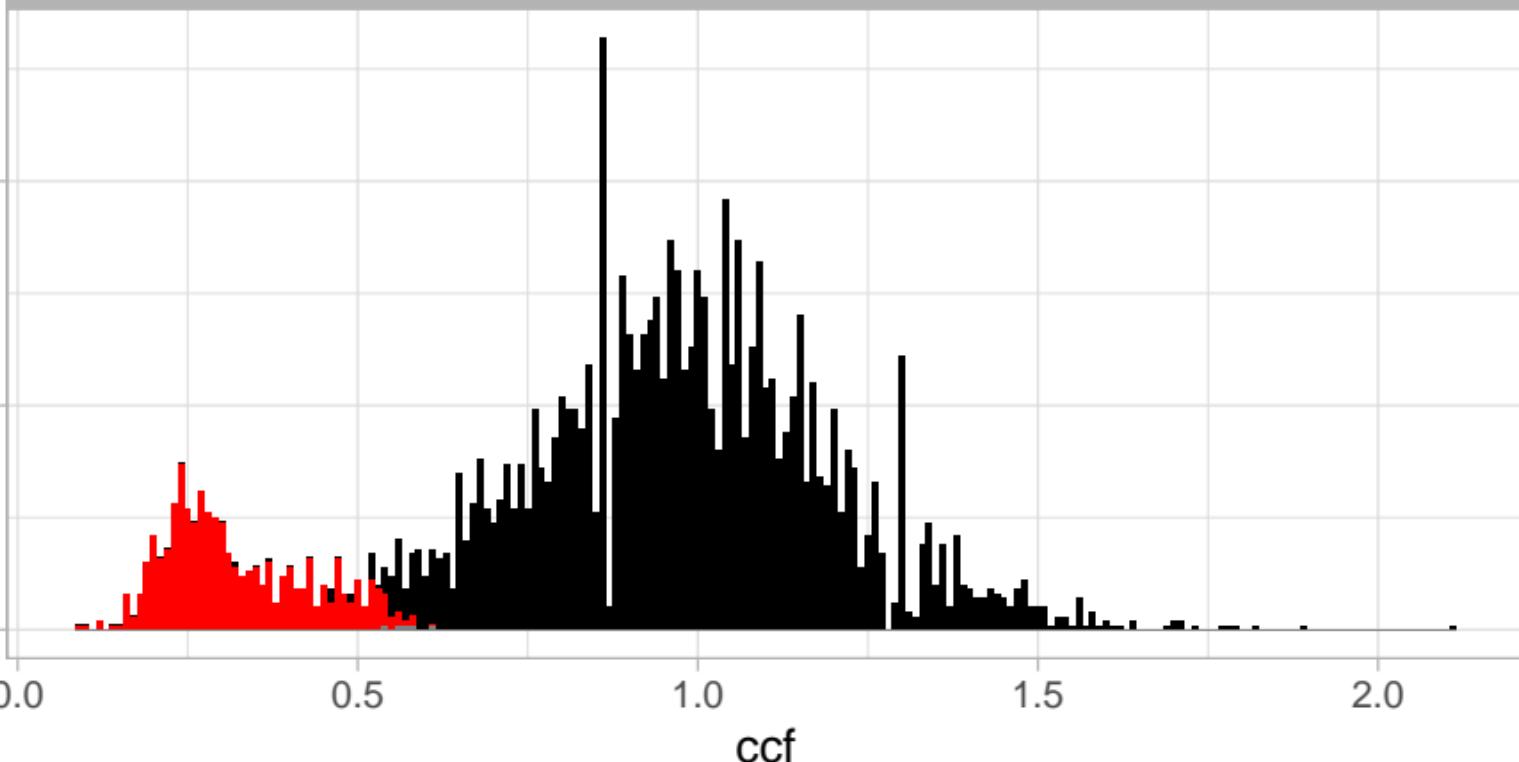
1.0

1.5

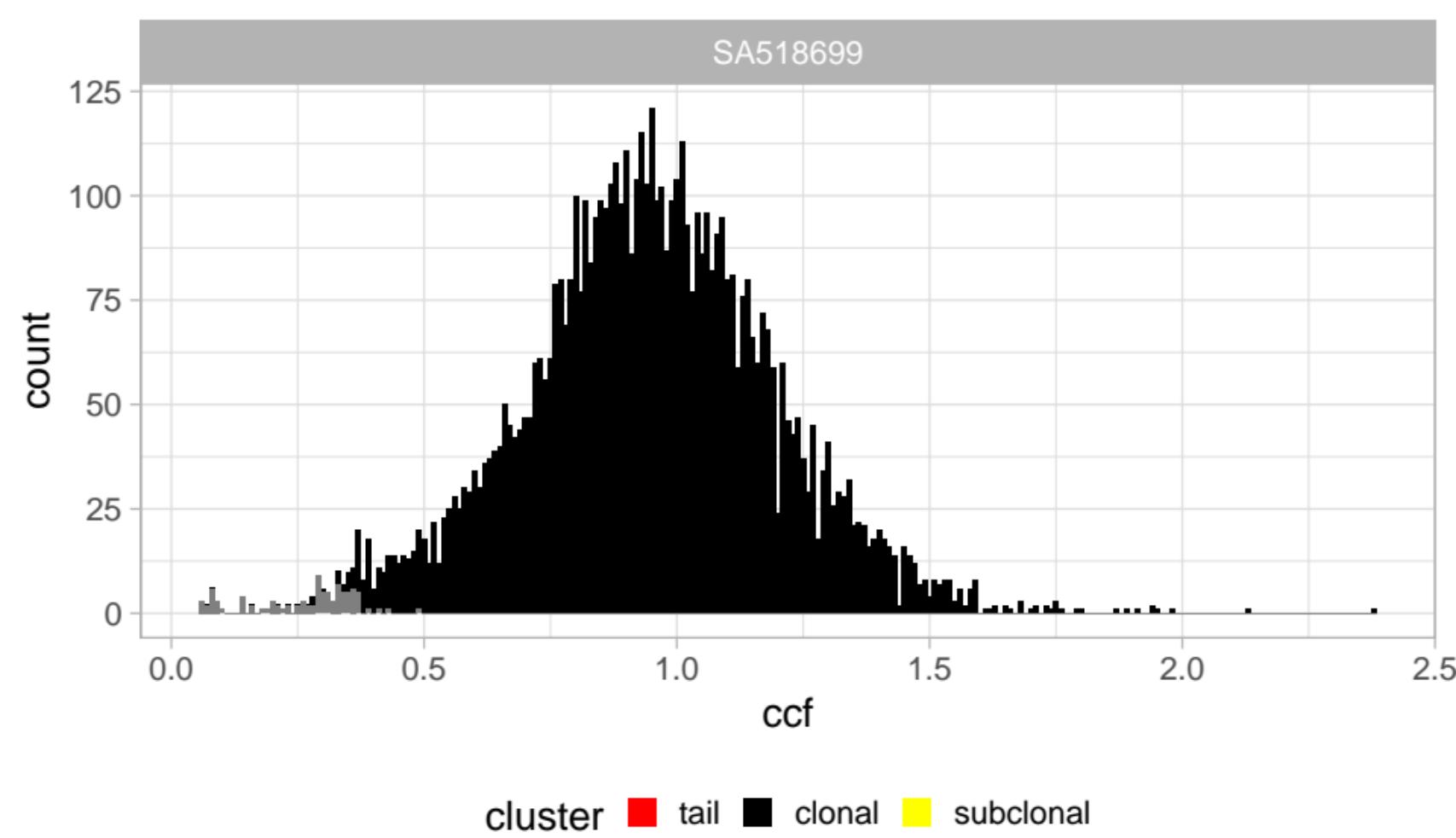
2.0

ccf

cluster tail clonal subclonal



SA518699



SA501594

count

80
60
40
20
0

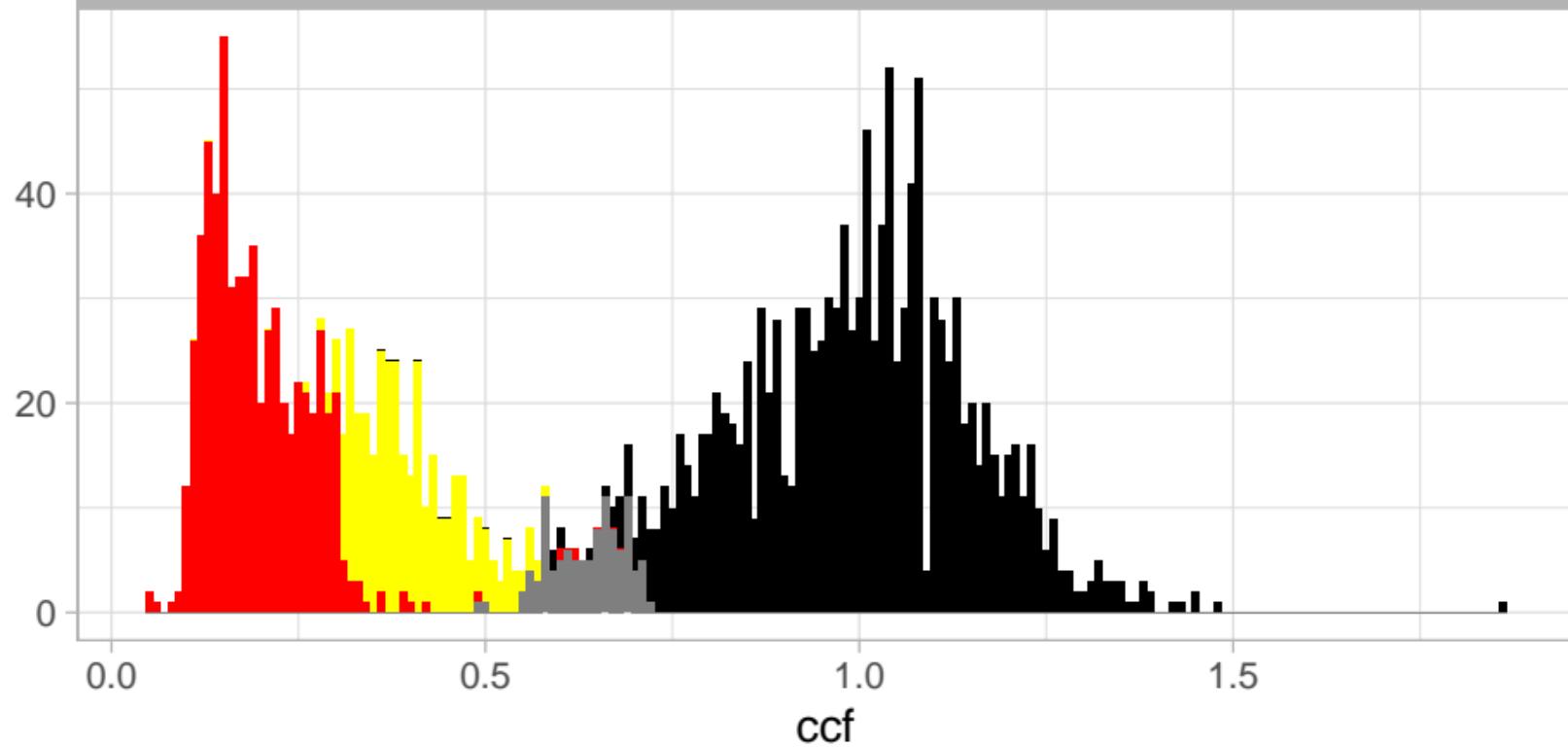
0 1 2 3

ccf

cluster tail clonal subclonal

SA538992

count



cluster ■ tail ■ clonal ■ subclonal

SA501523

count

200
150
100
50
0

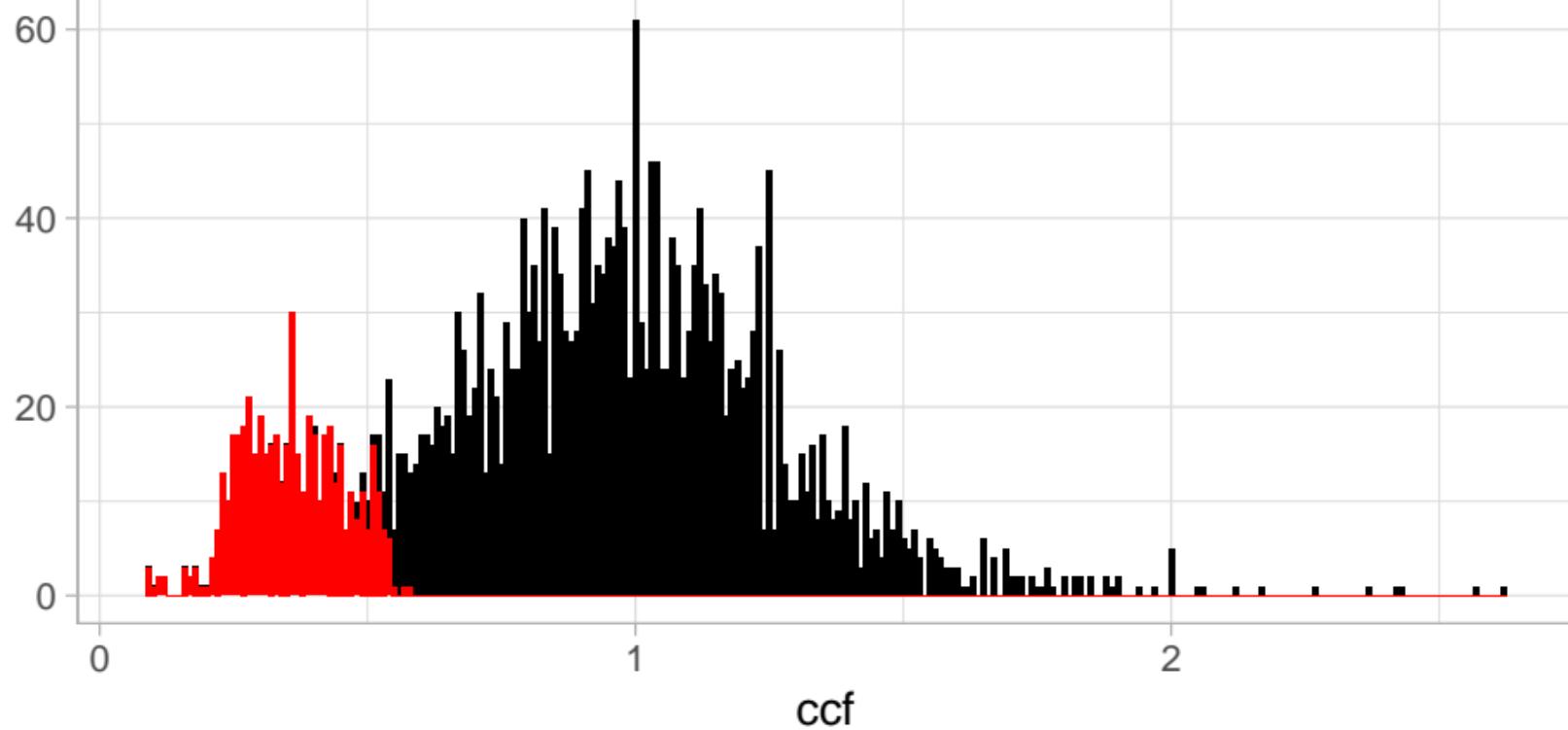
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

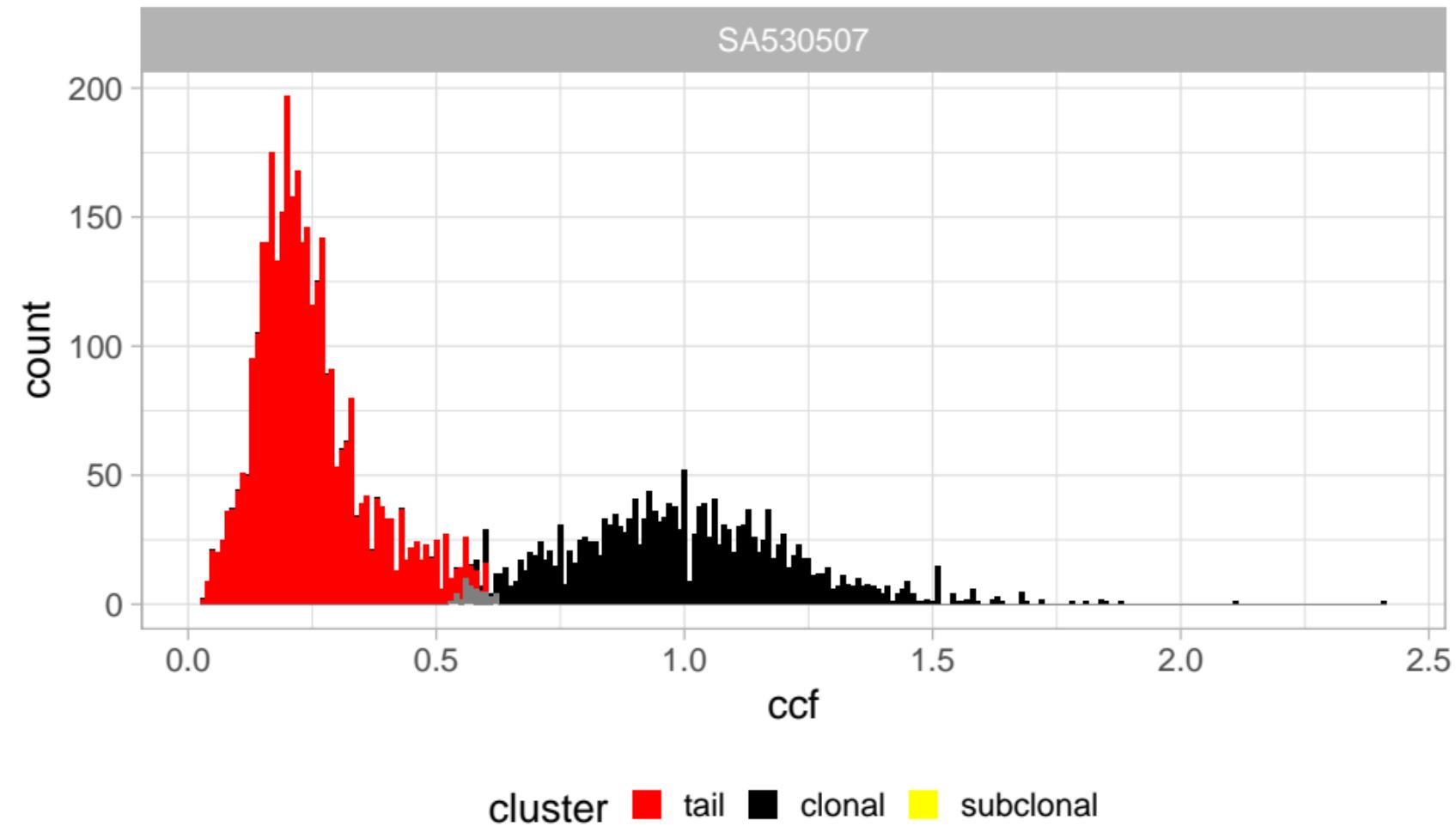
SA530575

count



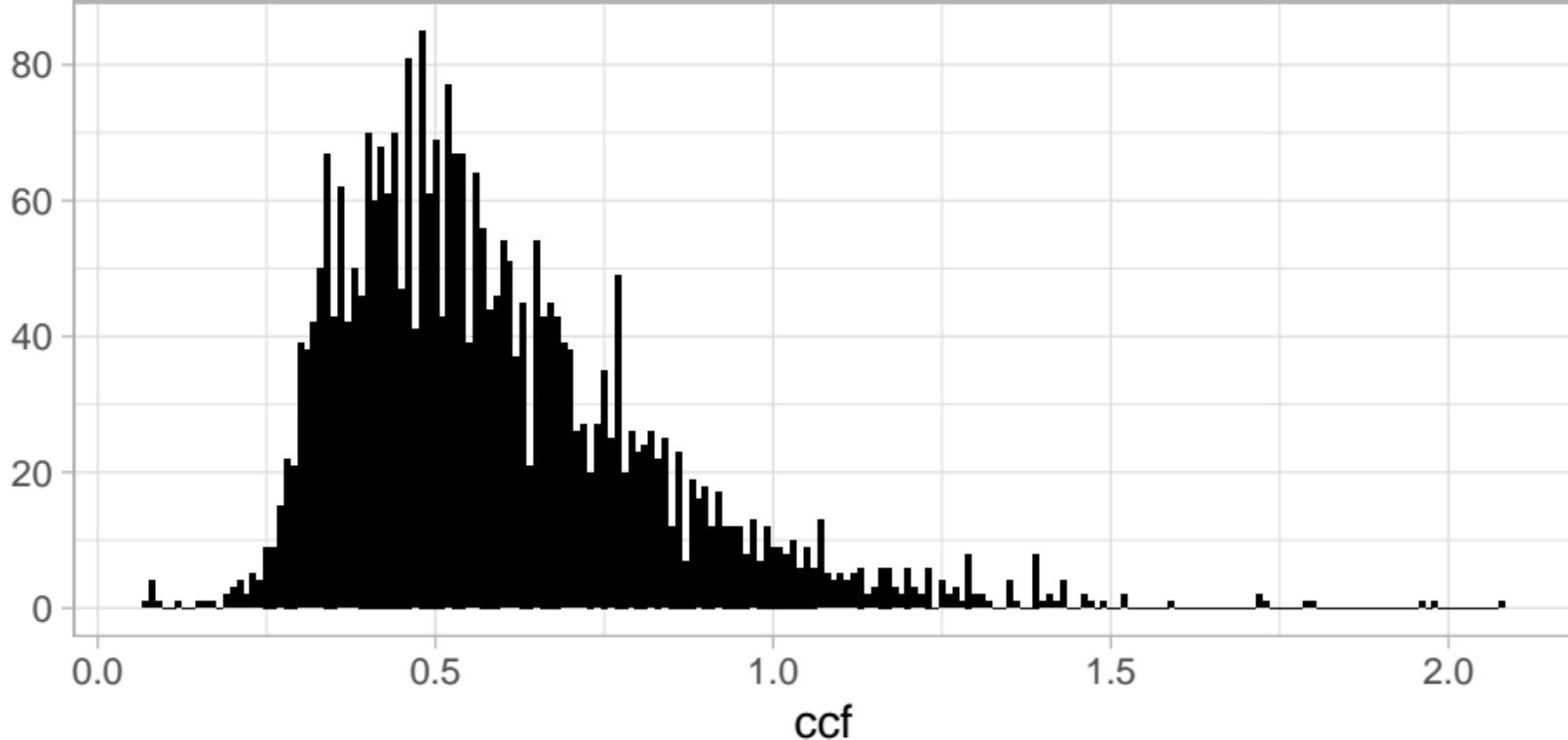
cluster ■ tail ■ clonal ■ subclonal

SA530507



SA530566

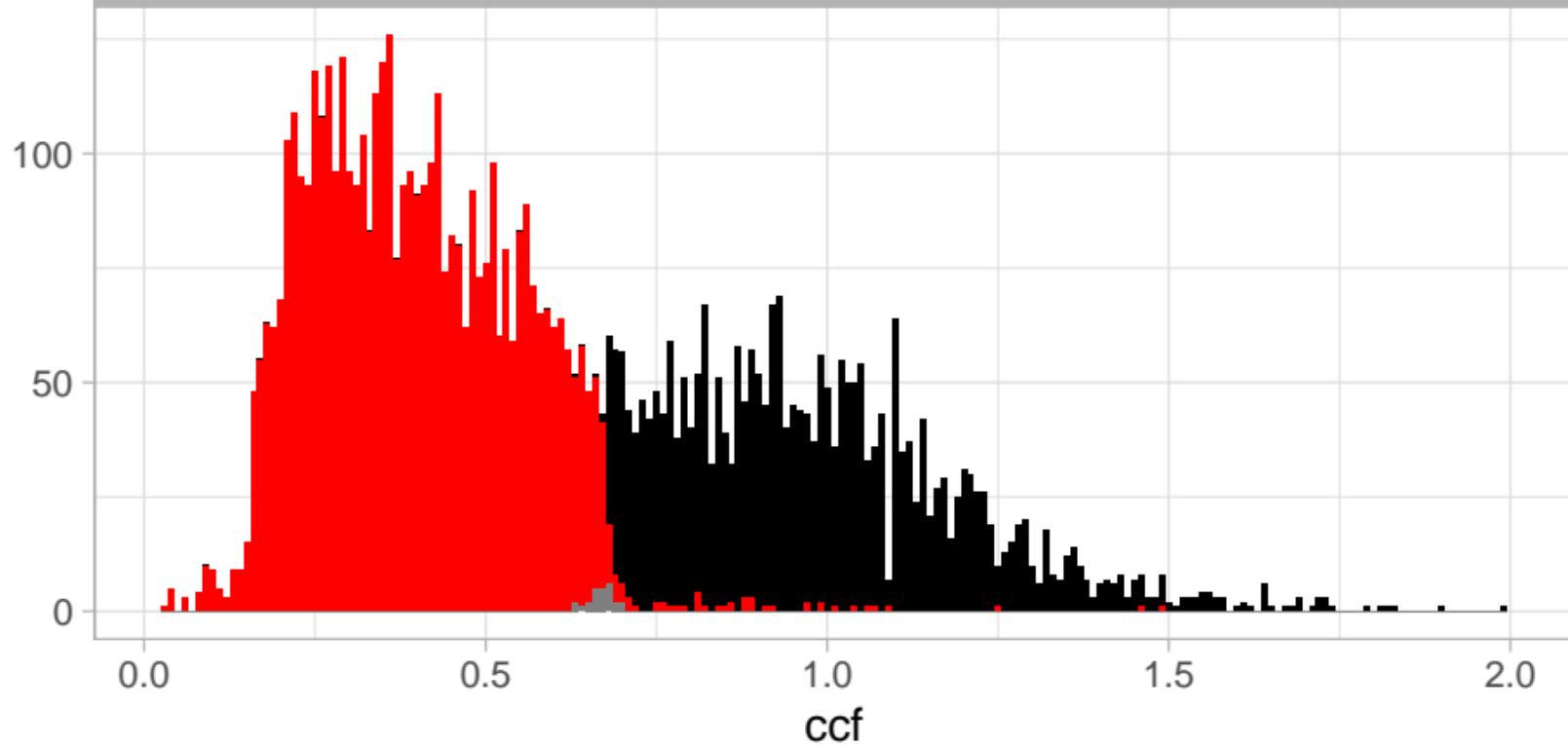
count



cluster ■ tail ■ clonal ■ subclonal

SA530579

count



cluster ■ tail ■ clonal ■ subclonal

SA413859

count

4
3
2
1
0

0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA542064

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA533686

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413830

count

7.5
5.0
2.5
0.0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal

SA520298

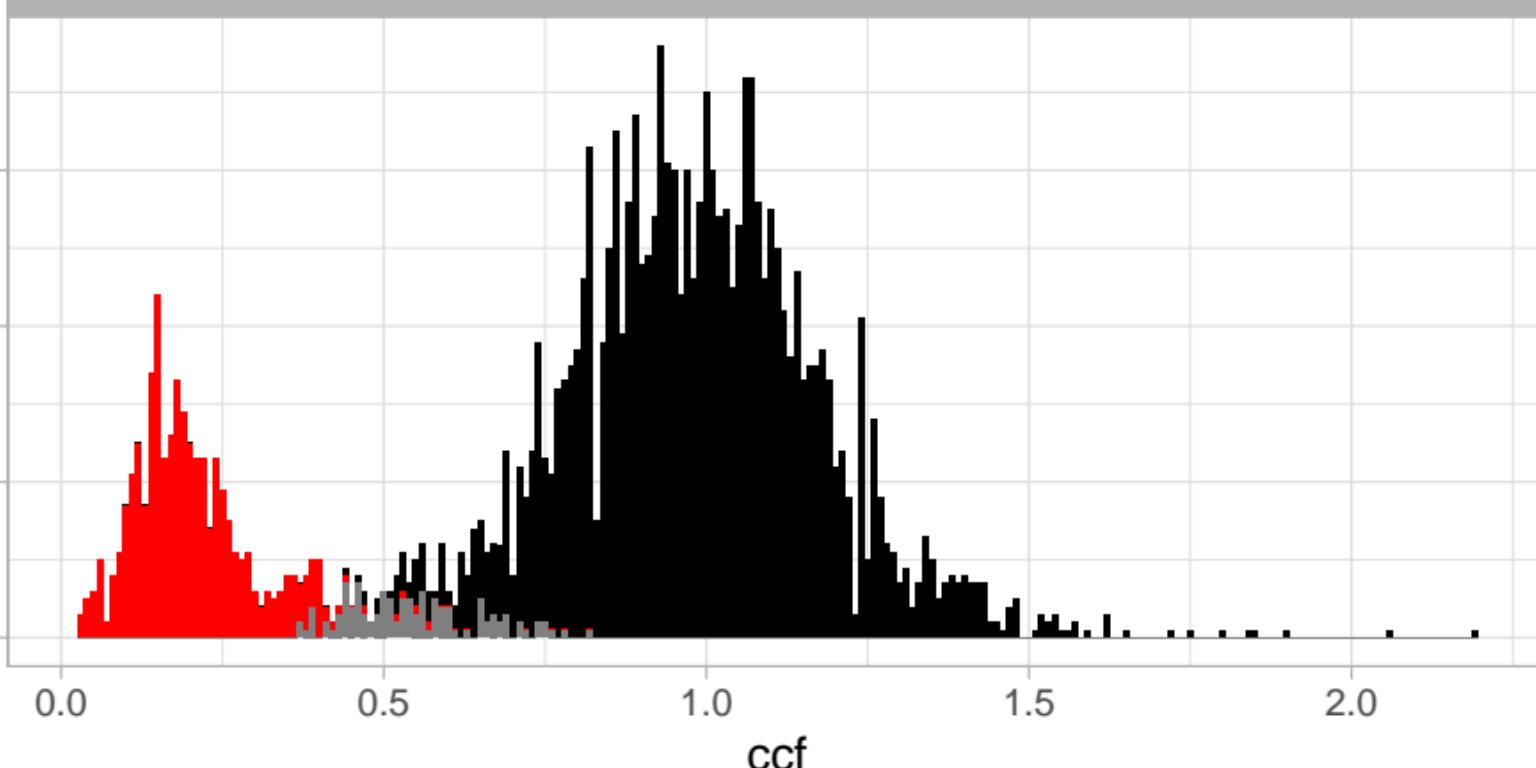
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

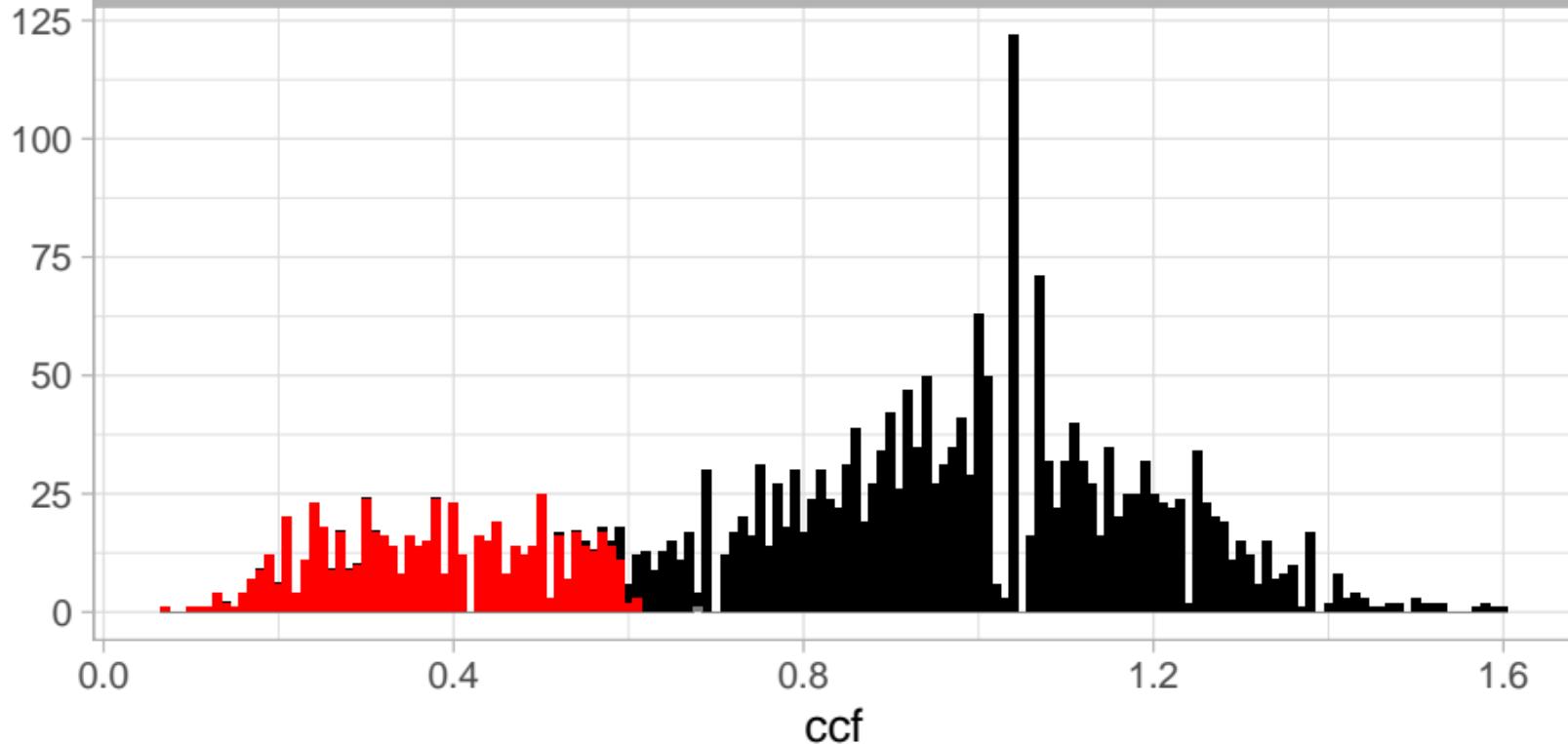
ccf

cluster tail clonal subclonal



SA539004

count



cluster ■ tail ■ clonal ■ subclonal

SA529837

count

600

400

200

0

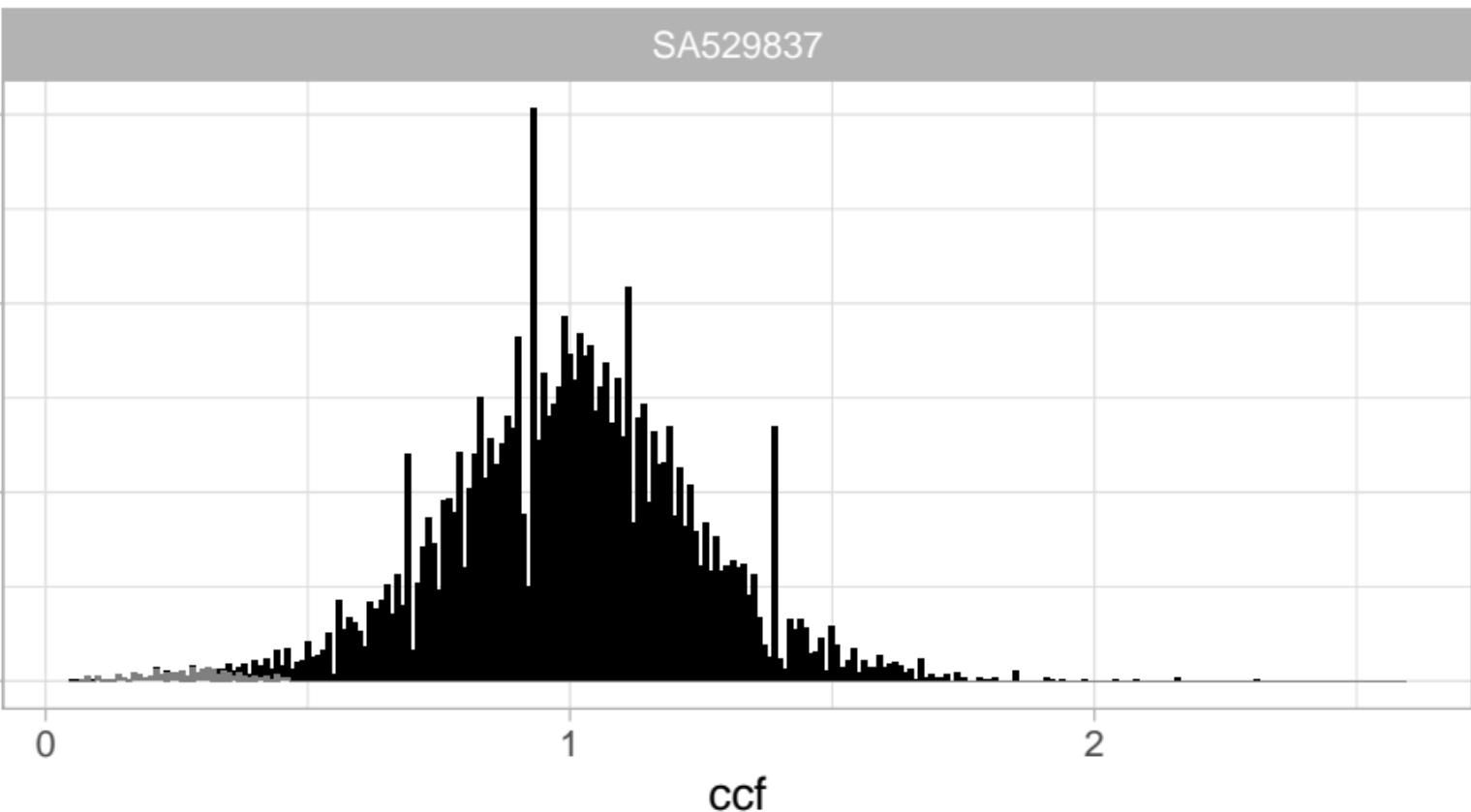
0

1

2

ccf

cluster tail clonal subclonal



SA517389

count

100

75

50

25

0

0.0

0.4

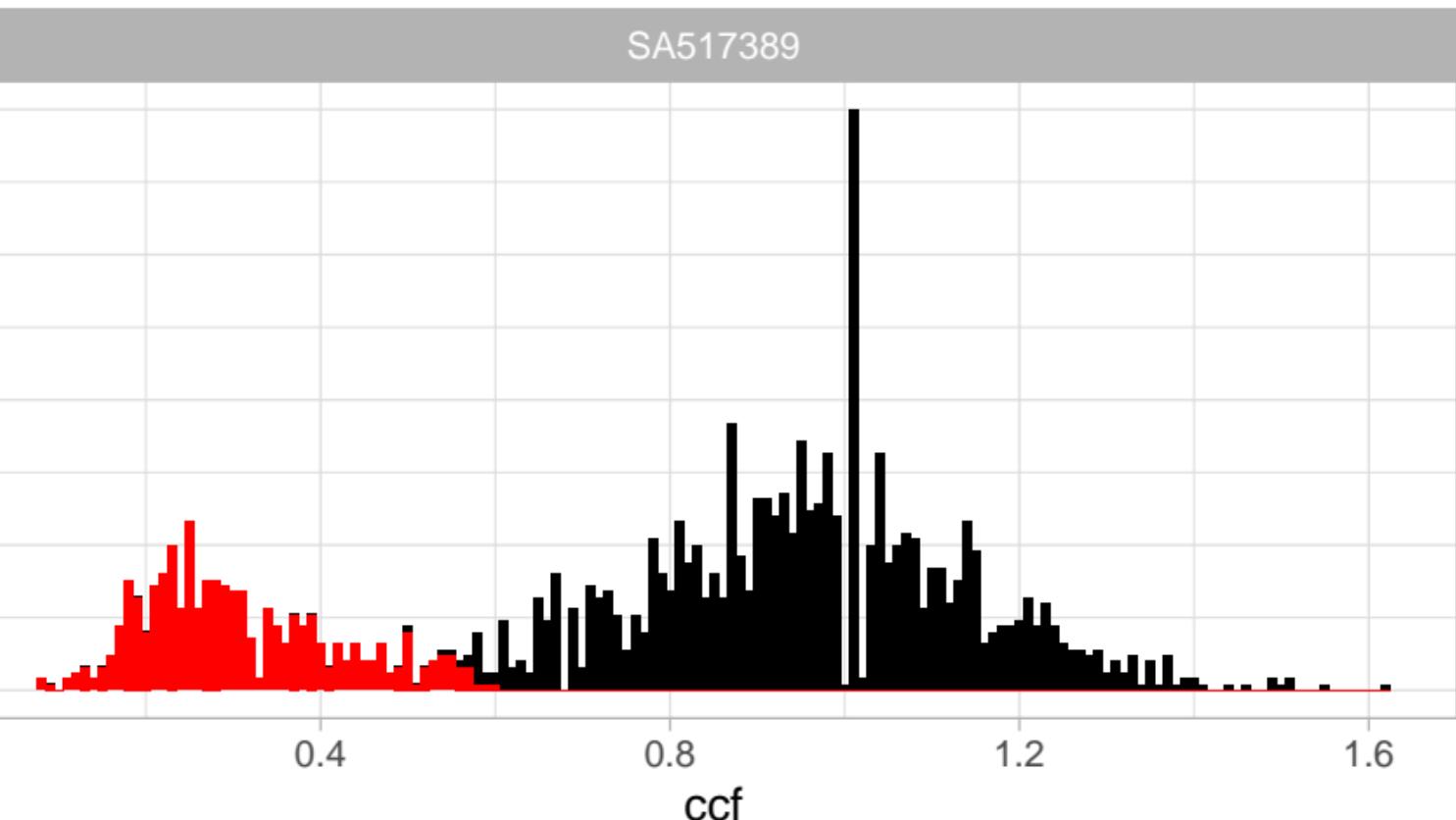
0.8

1.2

1.6

ccf

cluster ■ tail ■ clonal ■ subclonal



SA557514

count

4000
3000
2000
1000
0

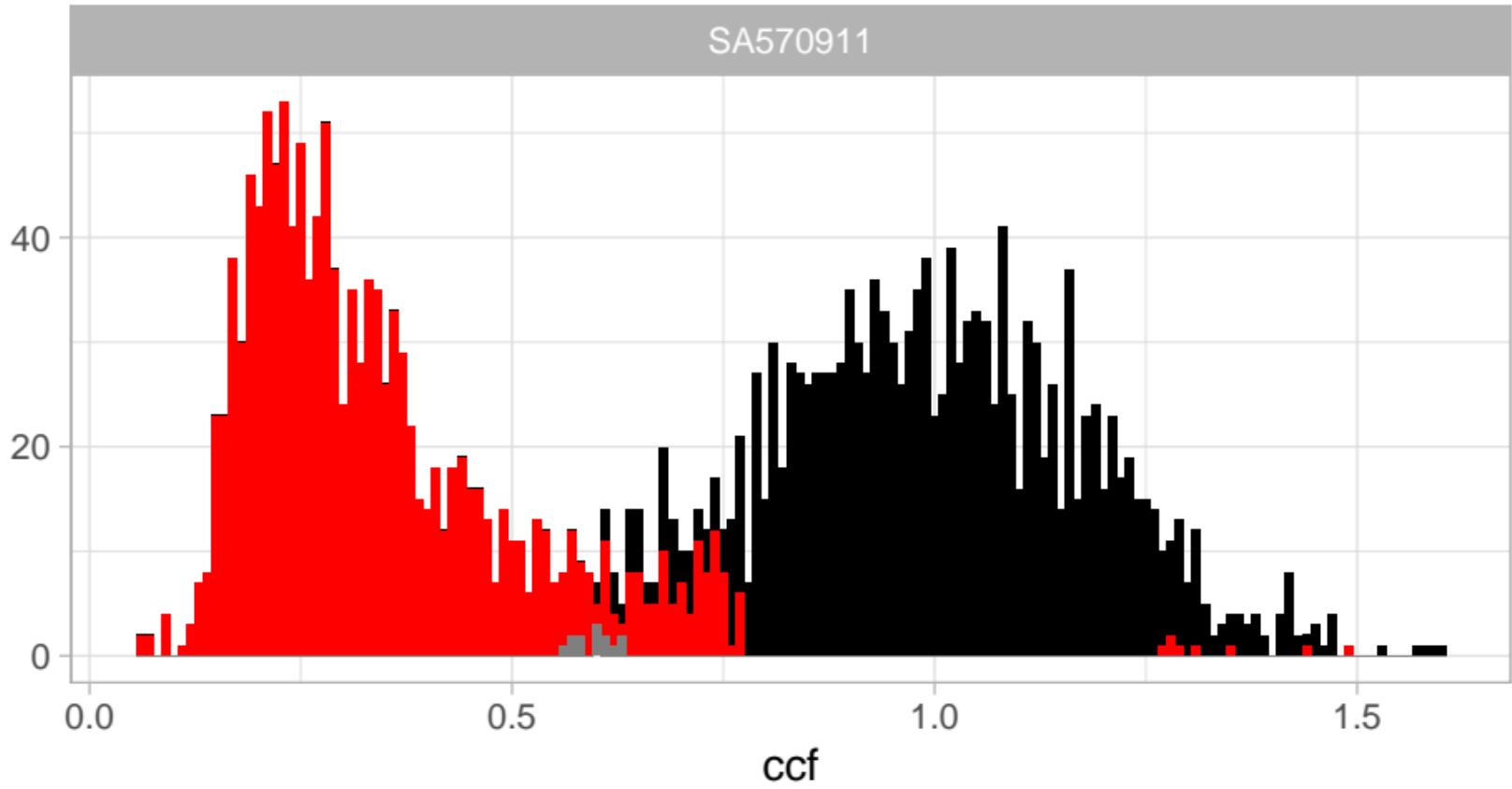
0 1 2 3 4

ccf

cluster ■ tail ■ clonal ■ subclonal

SA570911

count



cluster ■ tail ■ clonal ■ subclonal

SA501527

count

750
500
250
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA520252

count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA528807

count

750

500

250

0

0

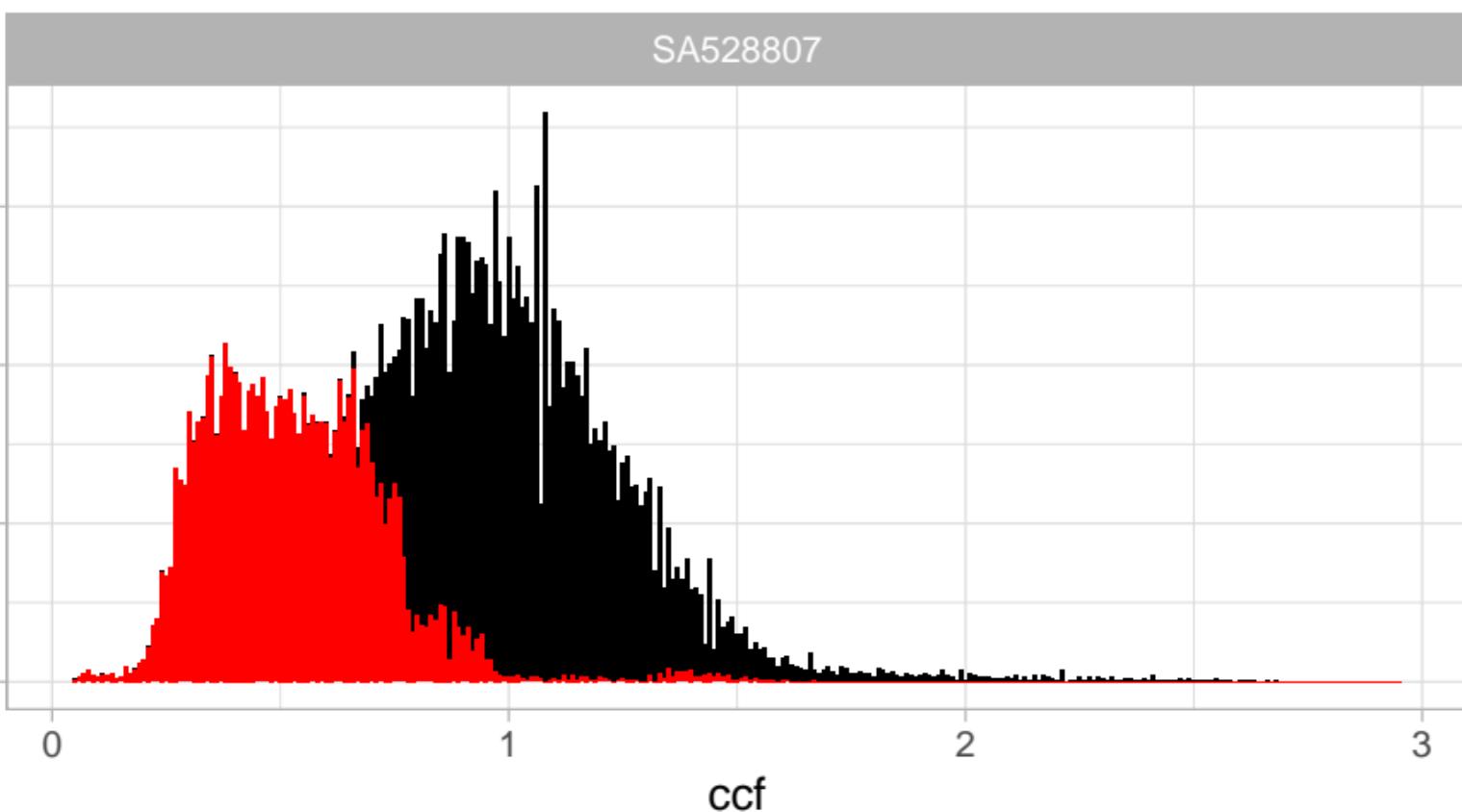
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA529841

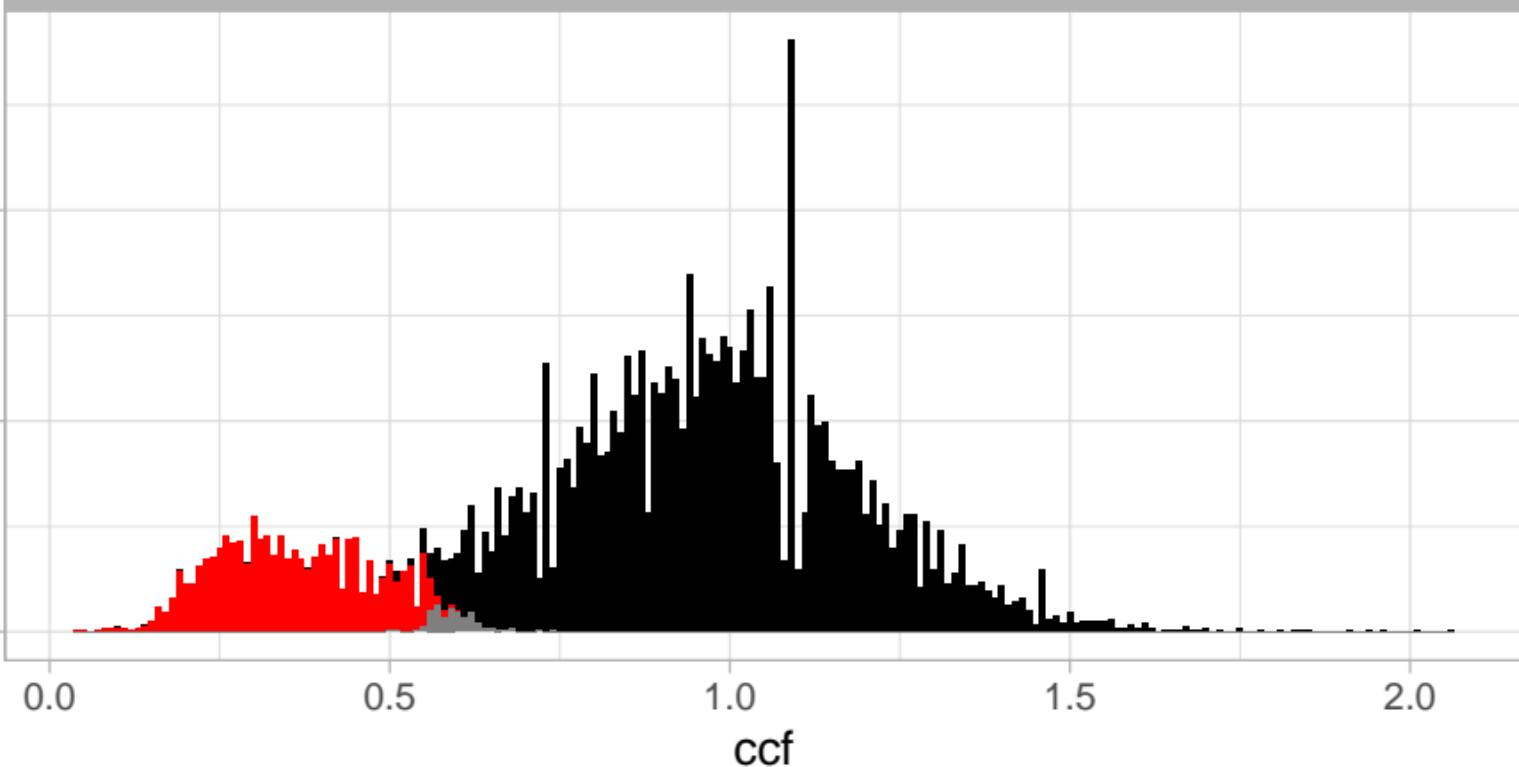
count

400
200
0

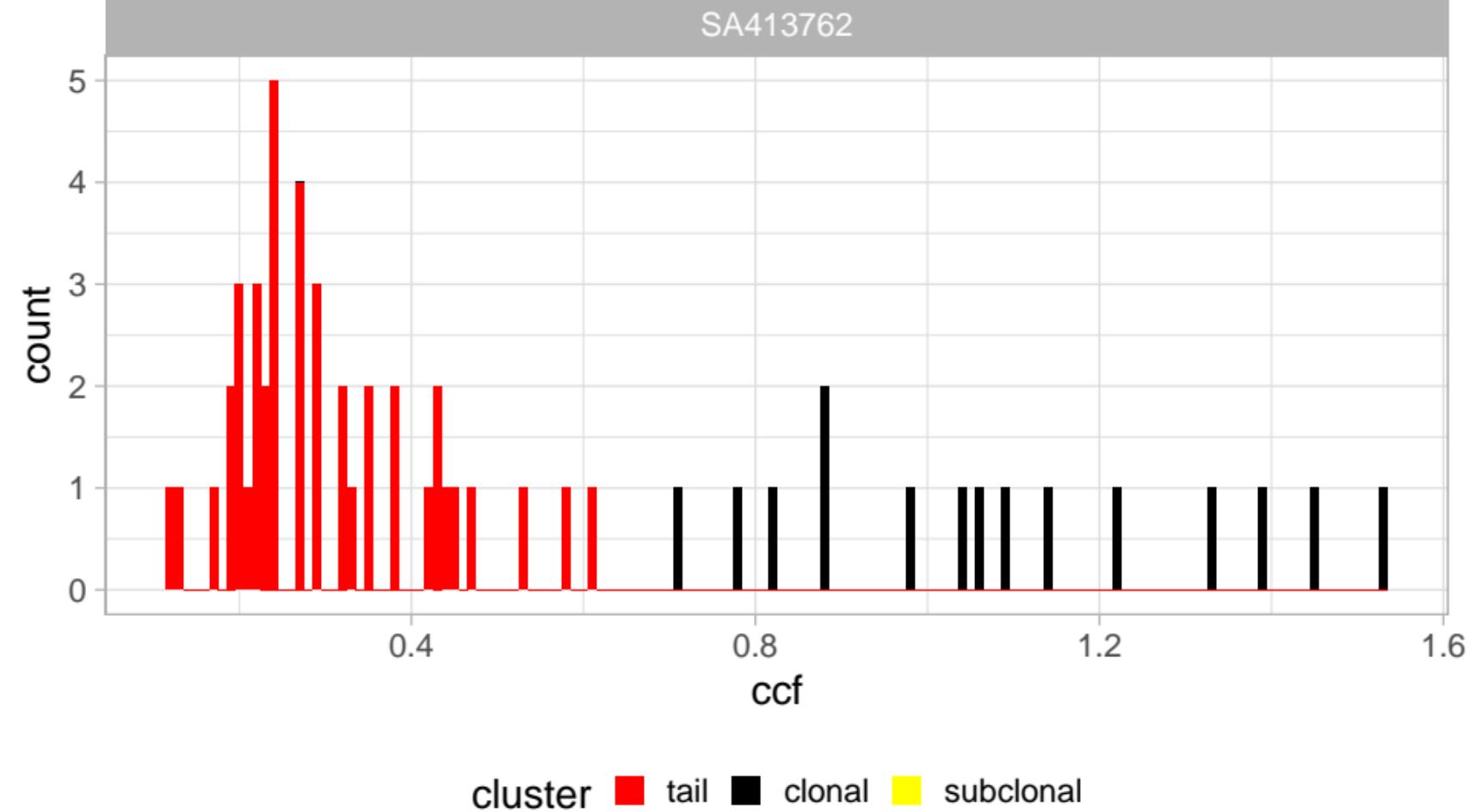
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413762



SA409882

count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413862

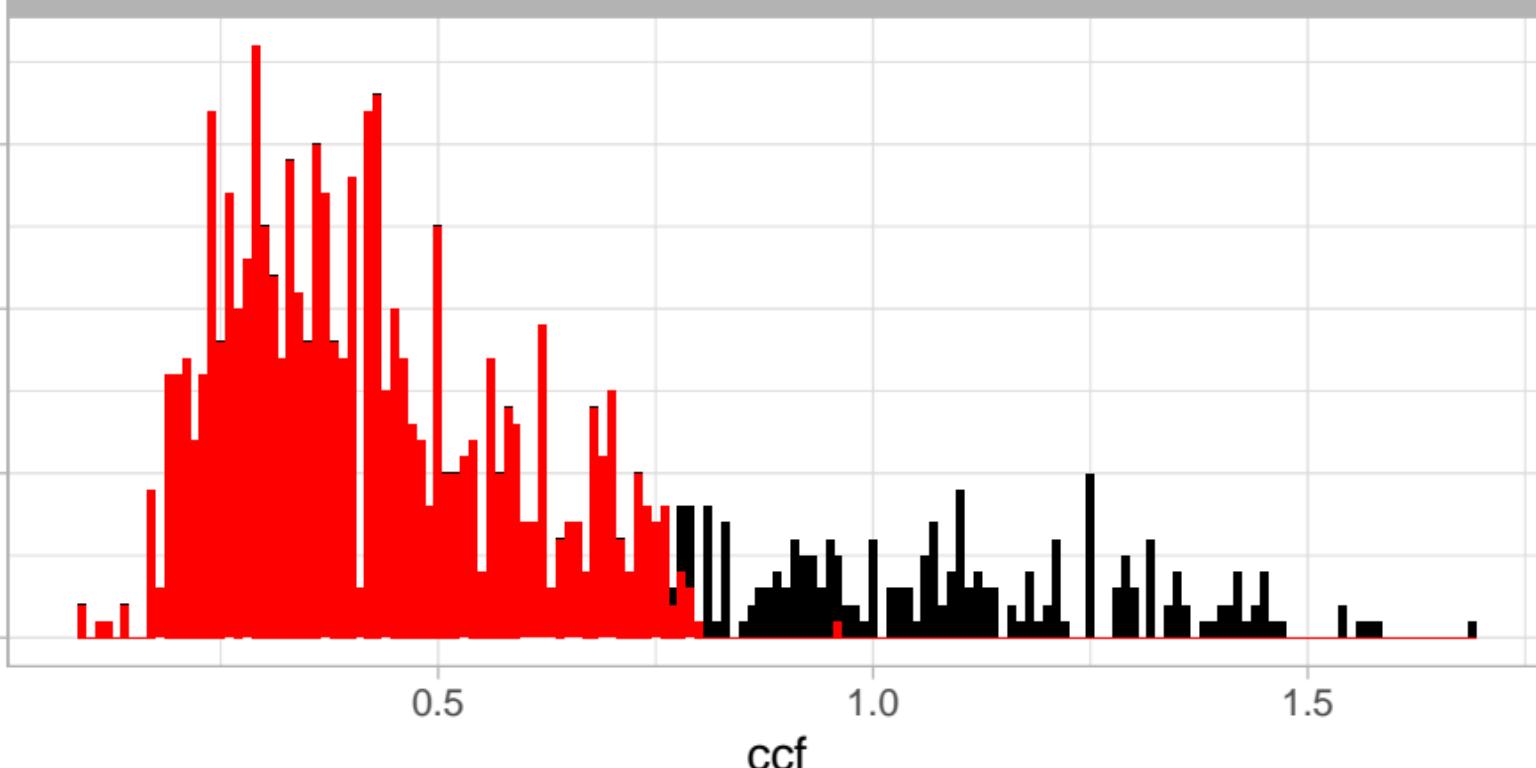
count

30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA533646

count

200

150

100

50

0

0.0

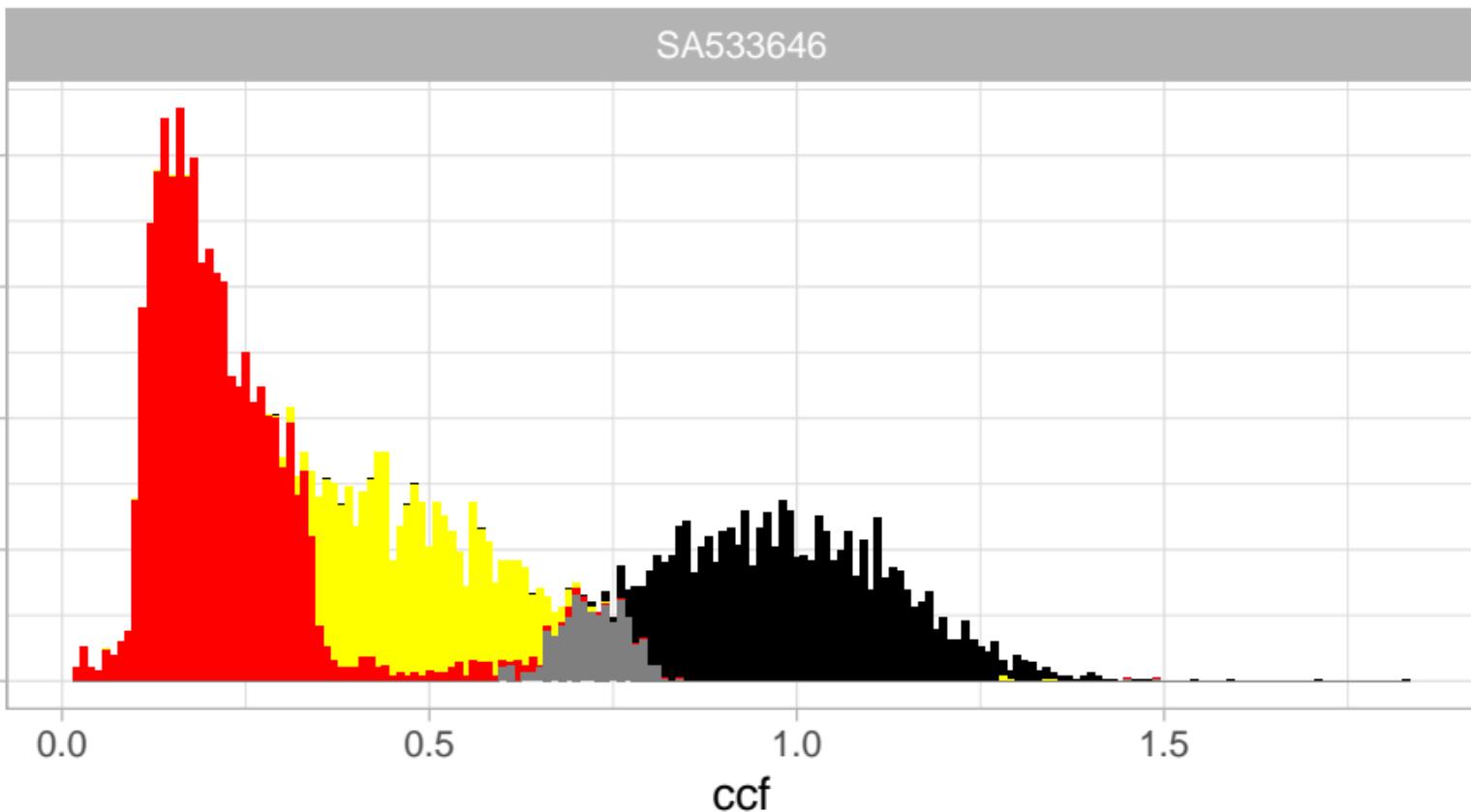
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA505702

count

150

100

50

0

0.0

0.5

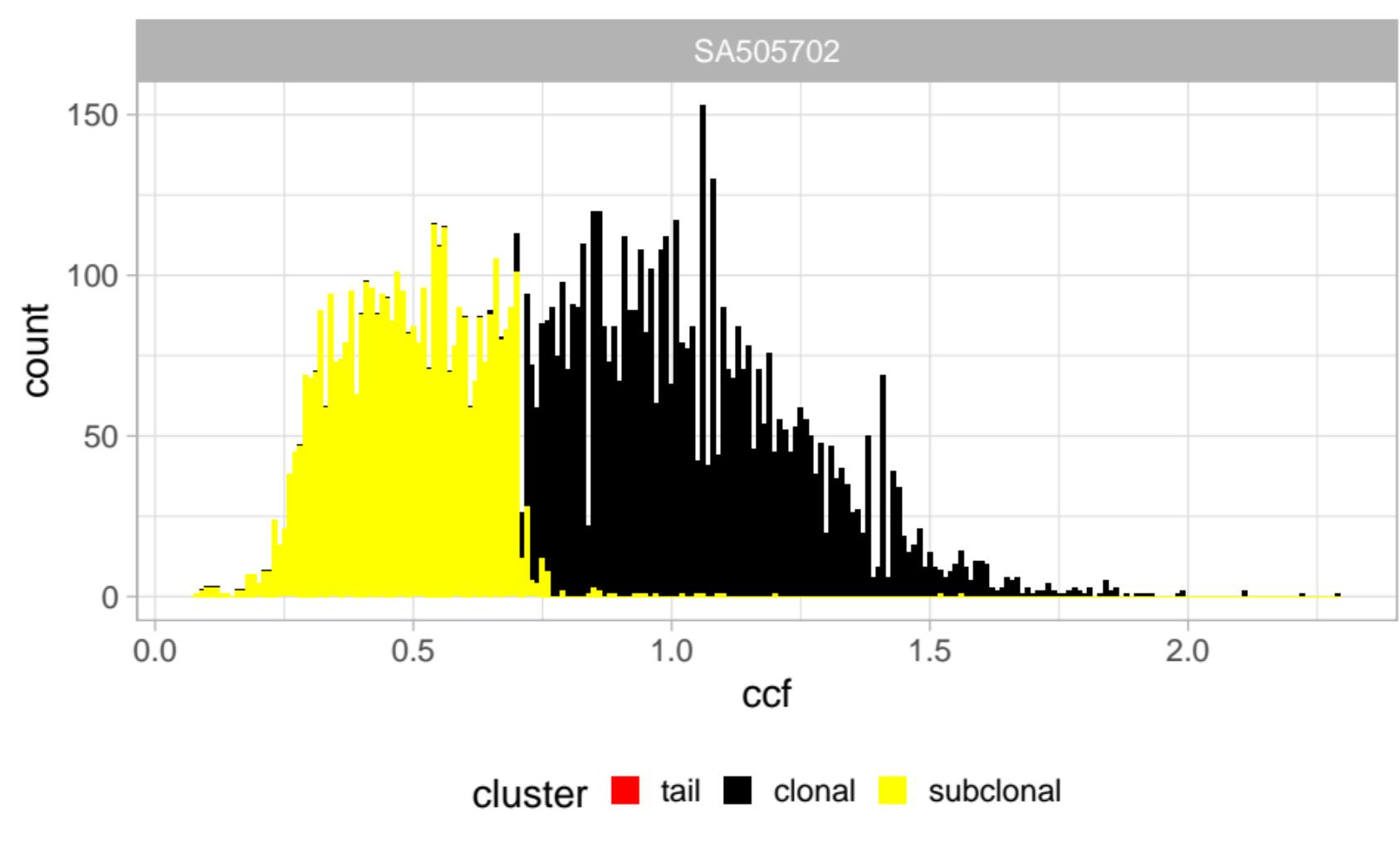
1.0

1.5

2.0

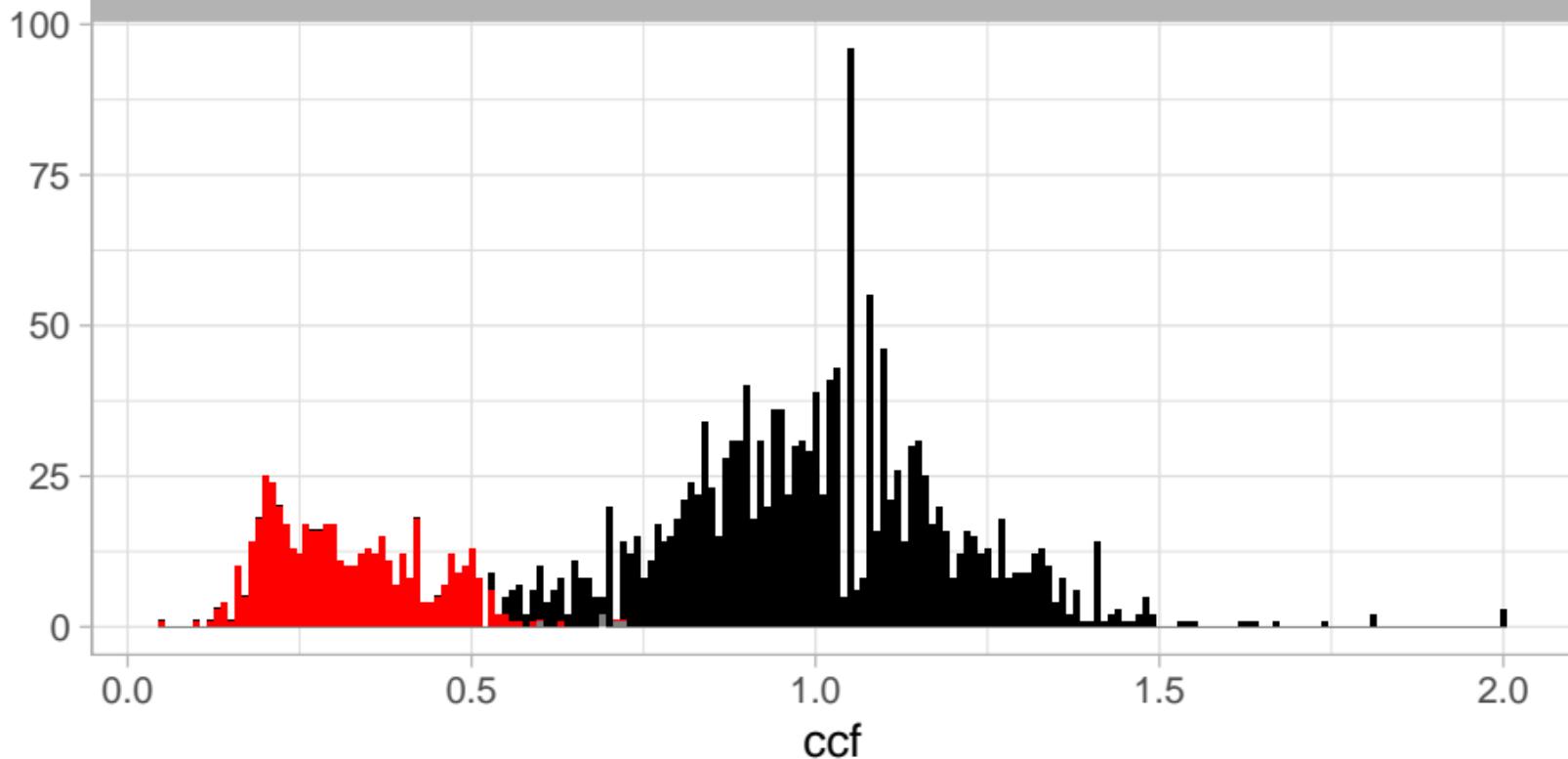
ccf

cluster tail clonal subclonal



SA542387

count



cluster ■ tail ■ clonal ■ subclonal

SA529849

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA270384

count

200

100

0

0.0

0.5

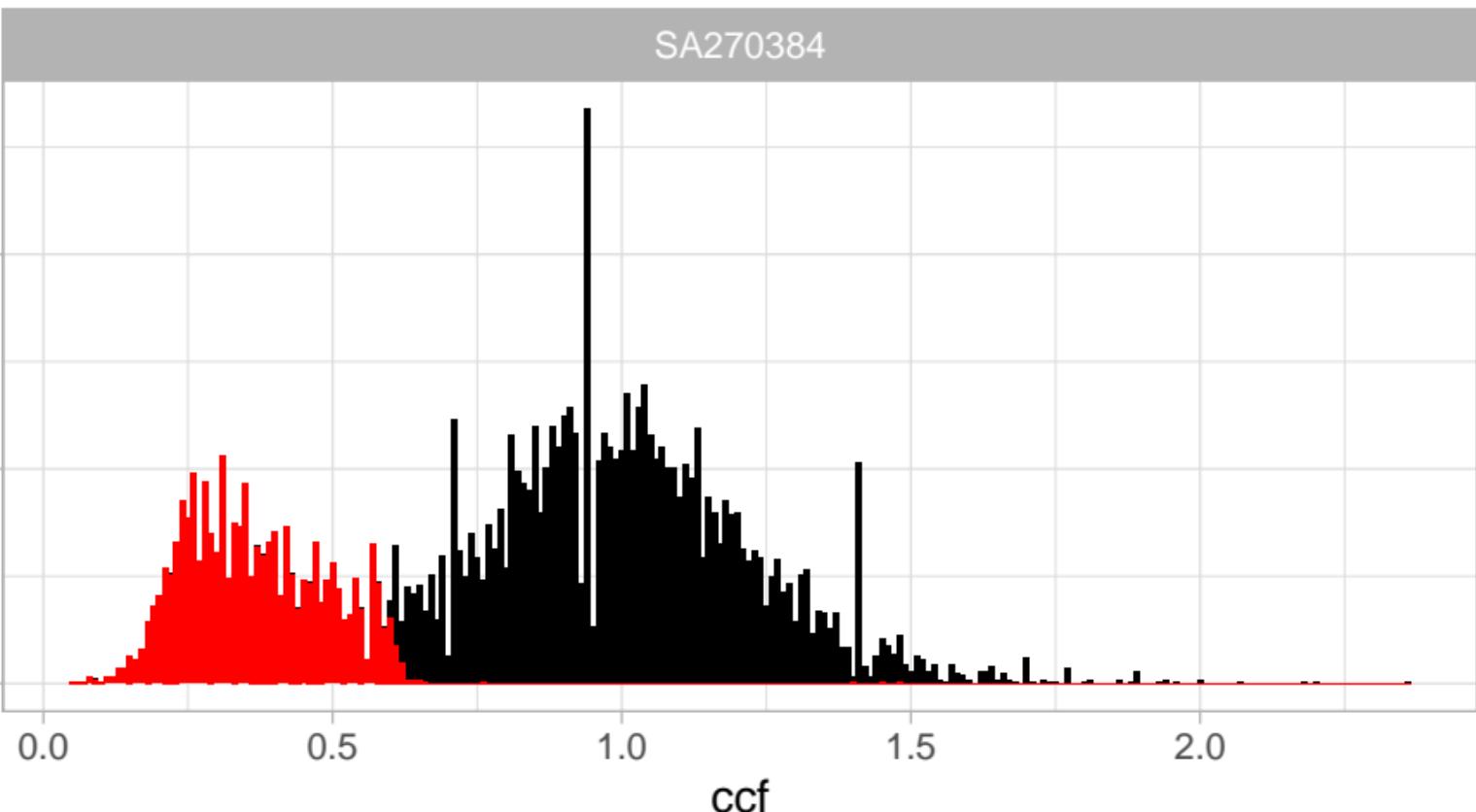
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA507326

count

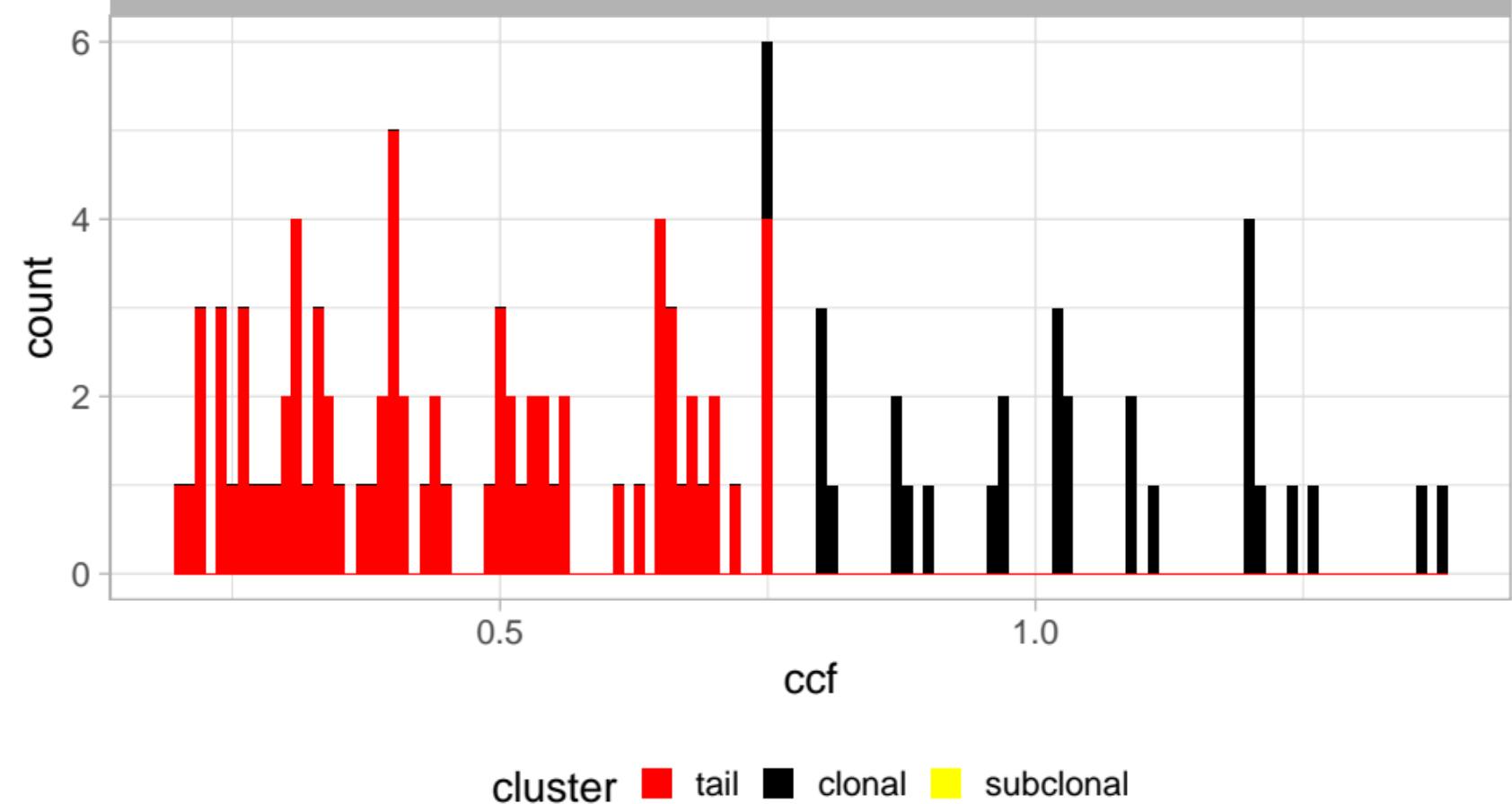
200
150
100
50
0

0 1 2 3 4

ccf

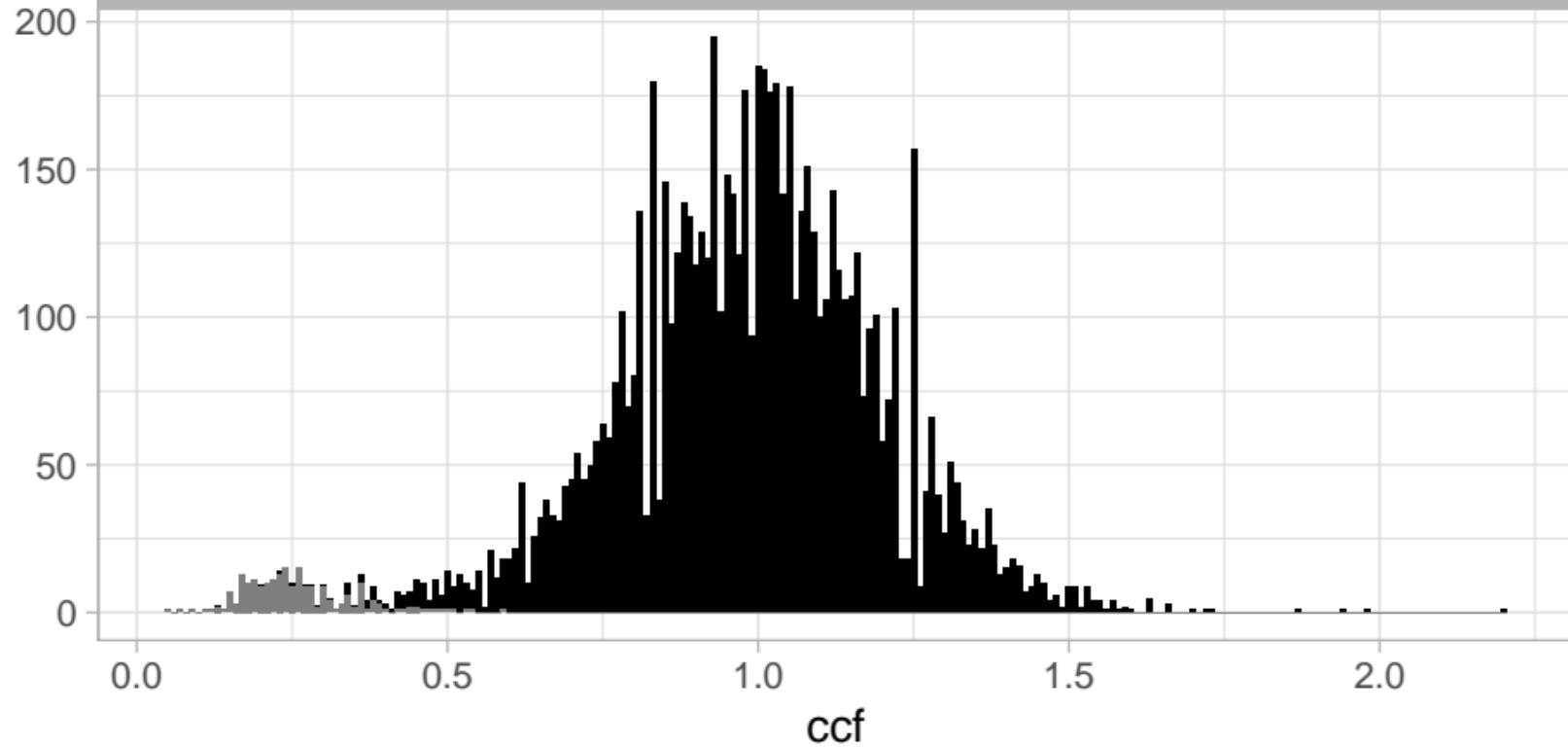
cluster tail clonal subclonal

SA413758



SA529853

count



cluster ■ tail ■ clonal ■ subclonal

SA557543

count

6000
4000
2000
0

0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal

SA505540

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA520207

count

100

50

0

0.0

0.5

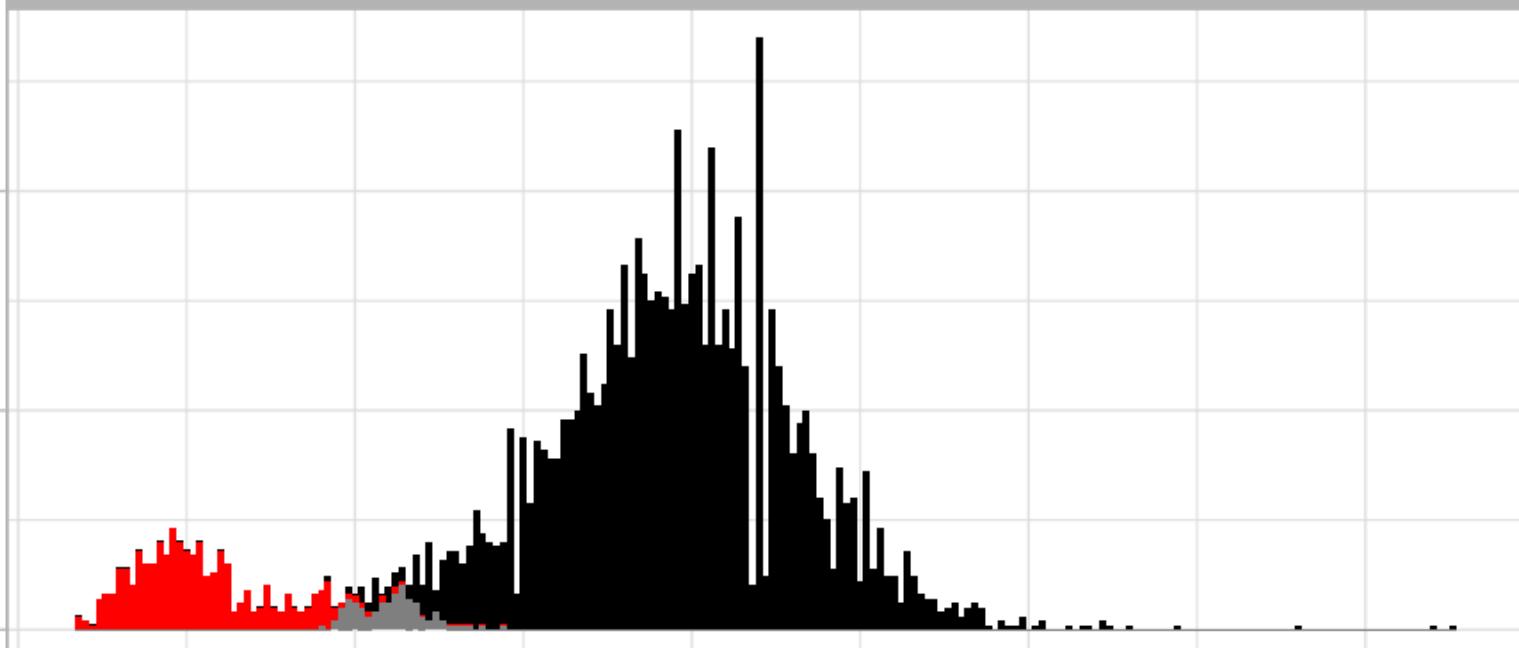
1.0

1.5

2.0

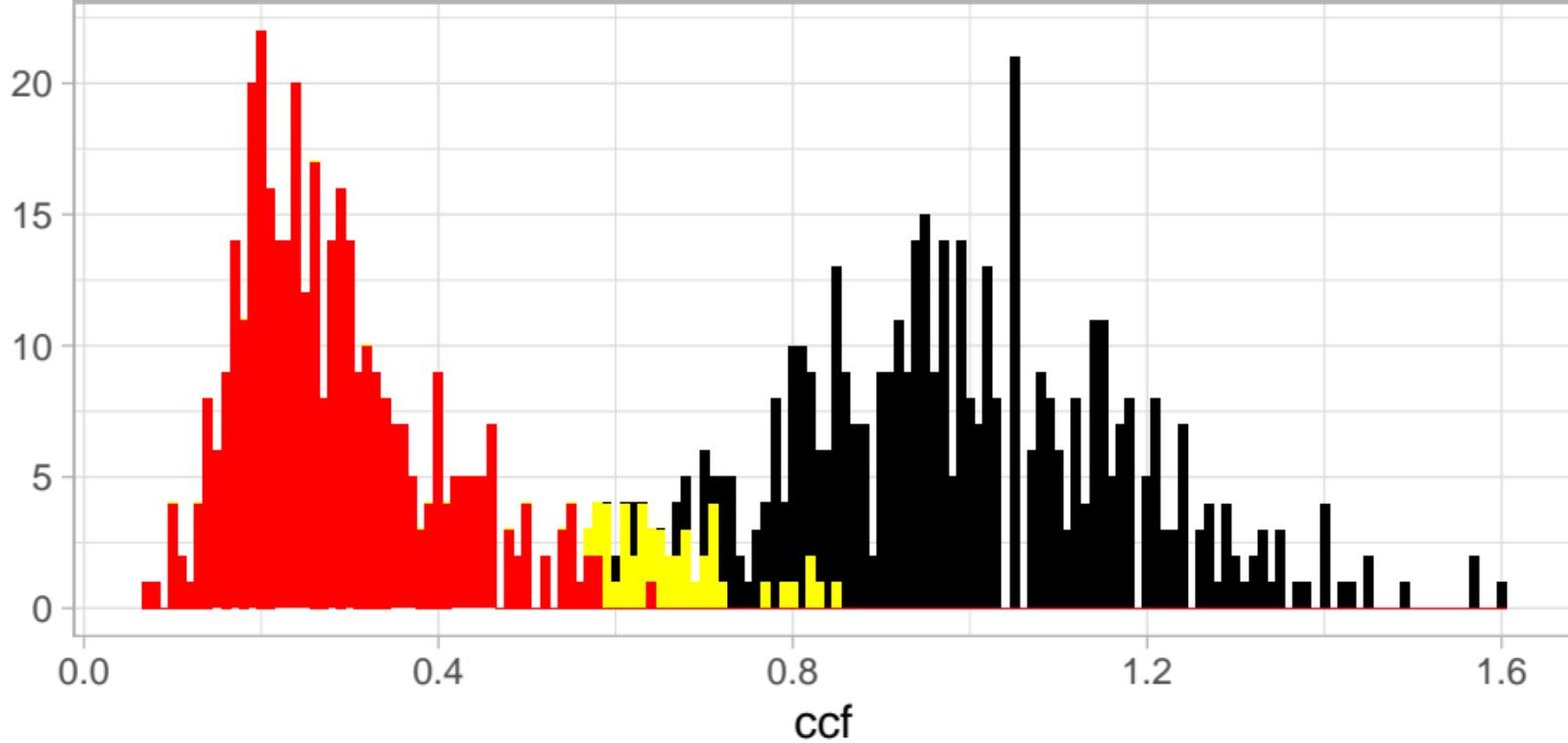
ccf

cluster ■ tail ■ clonal ■ subclonal



SA414187

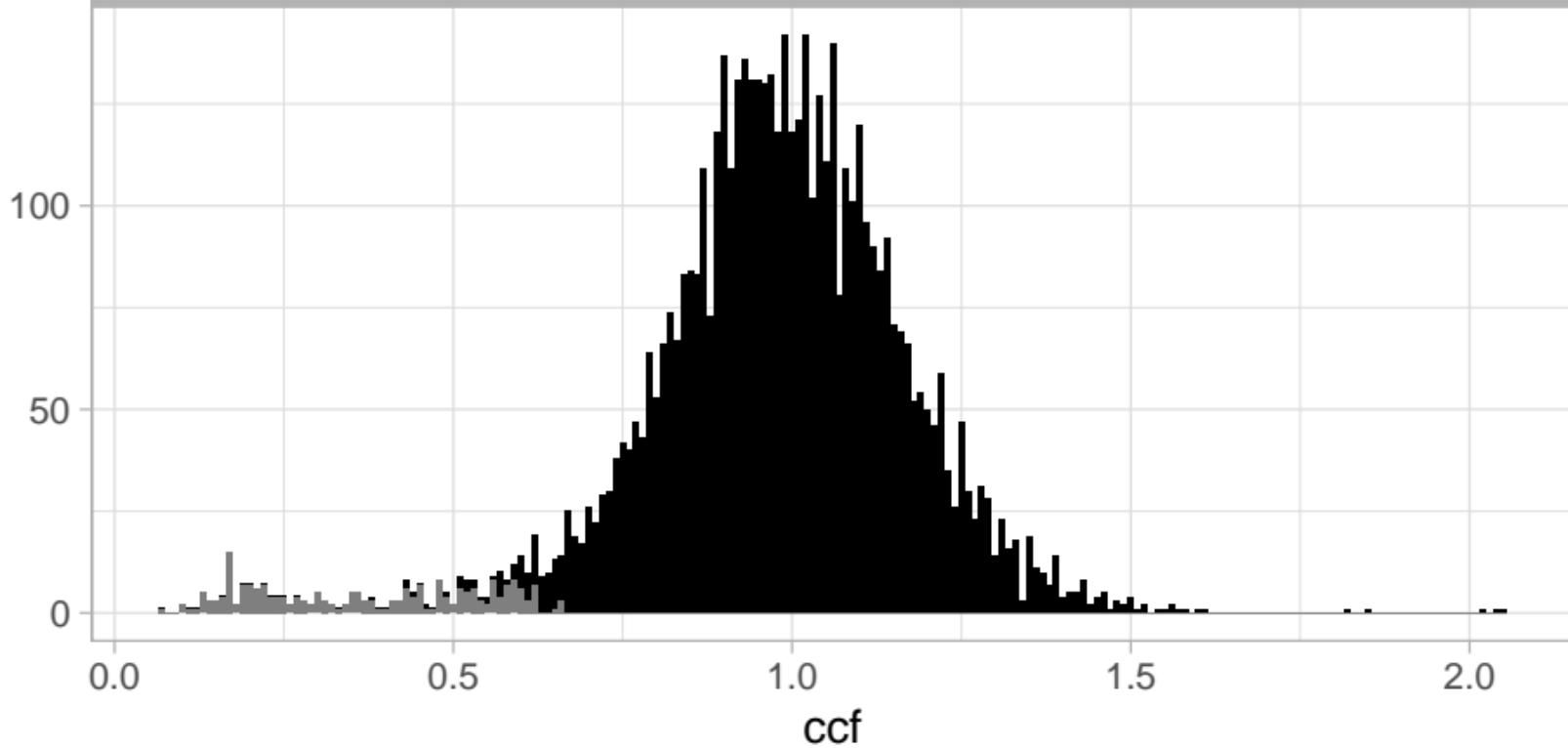
count



cluster tail clonal subclonal

SA410223

count



cluster tail clonal subclonal

SA528932

count

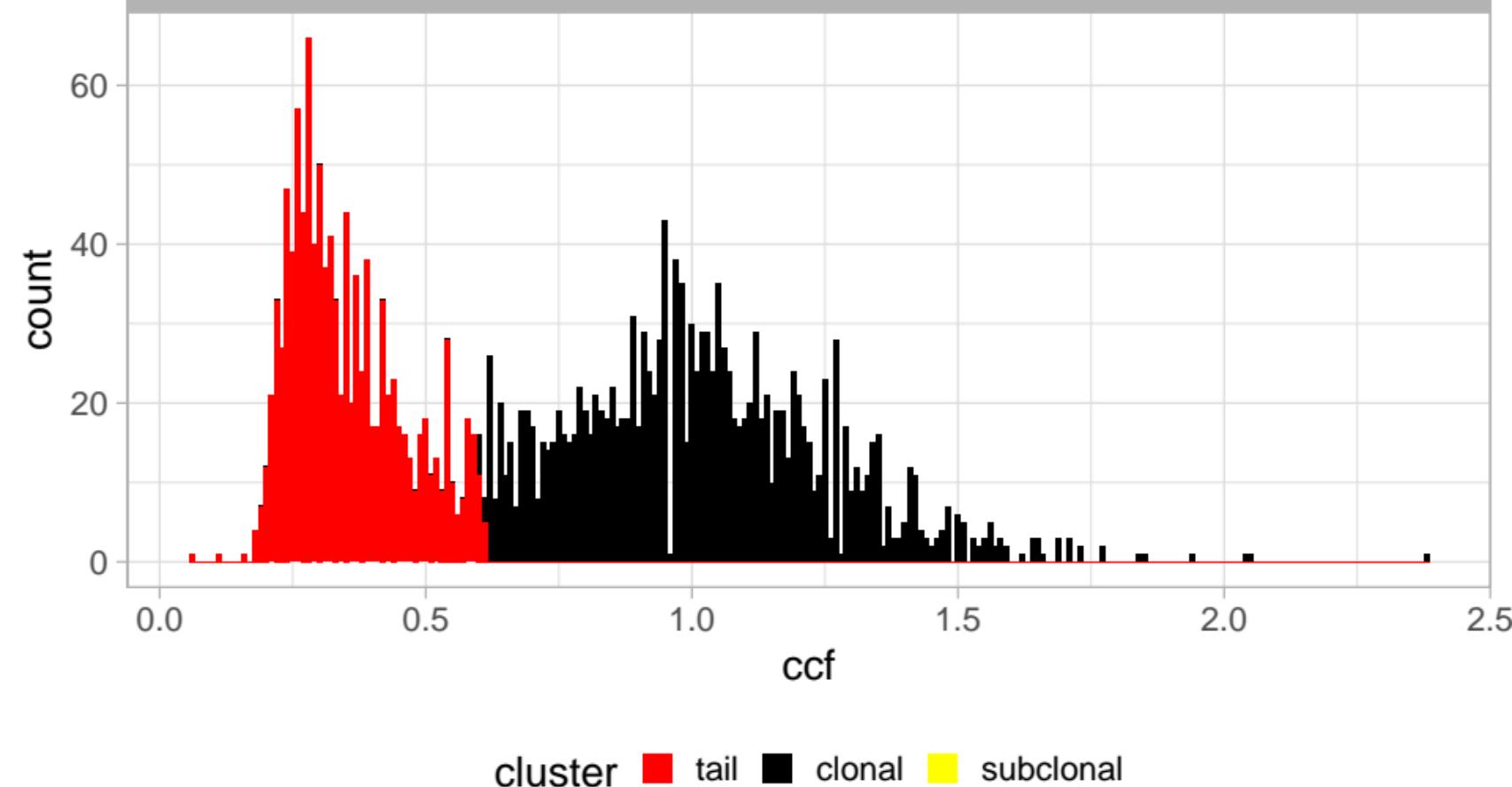
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

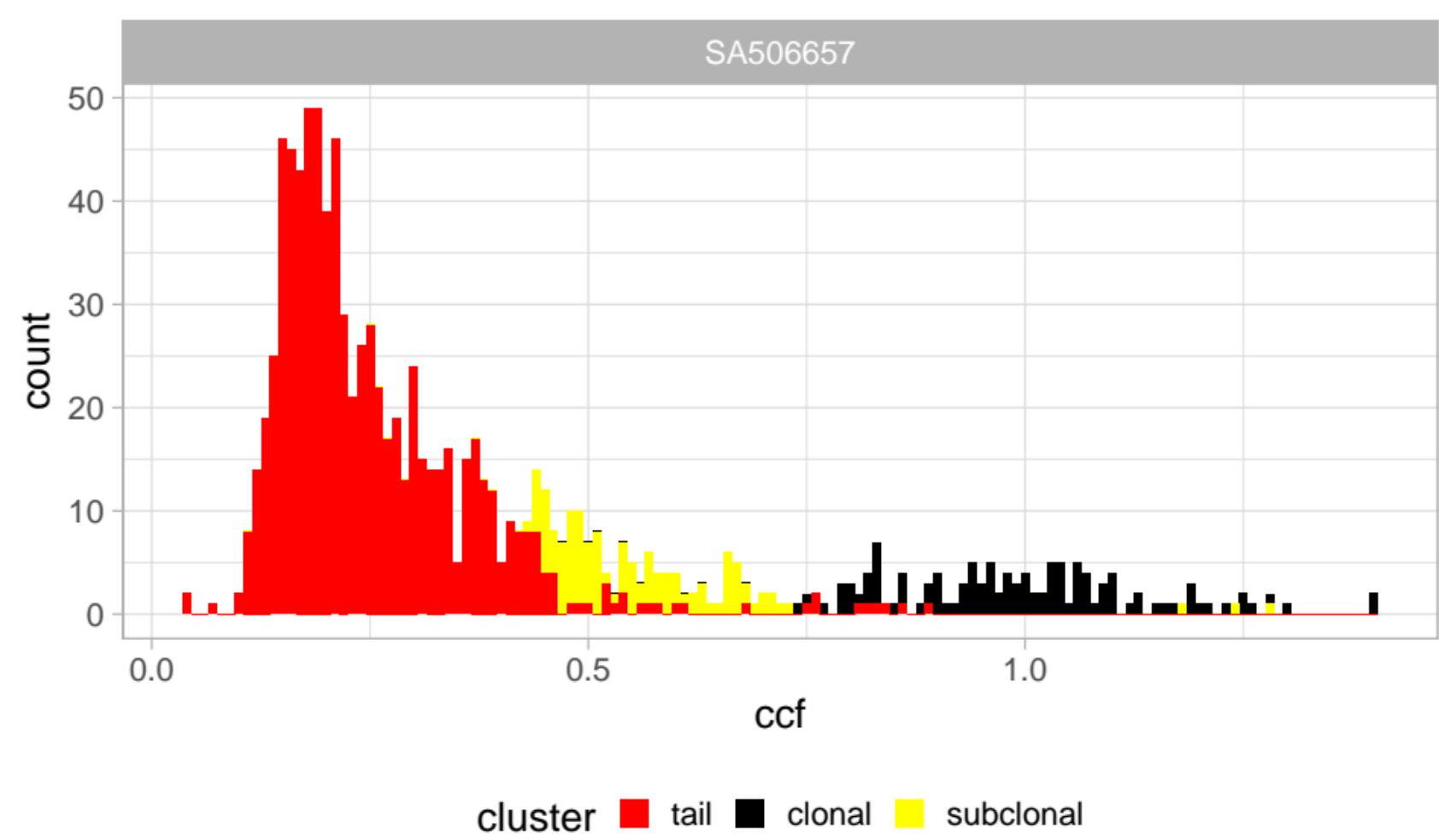
ccf

cluster tail clonal subclonal

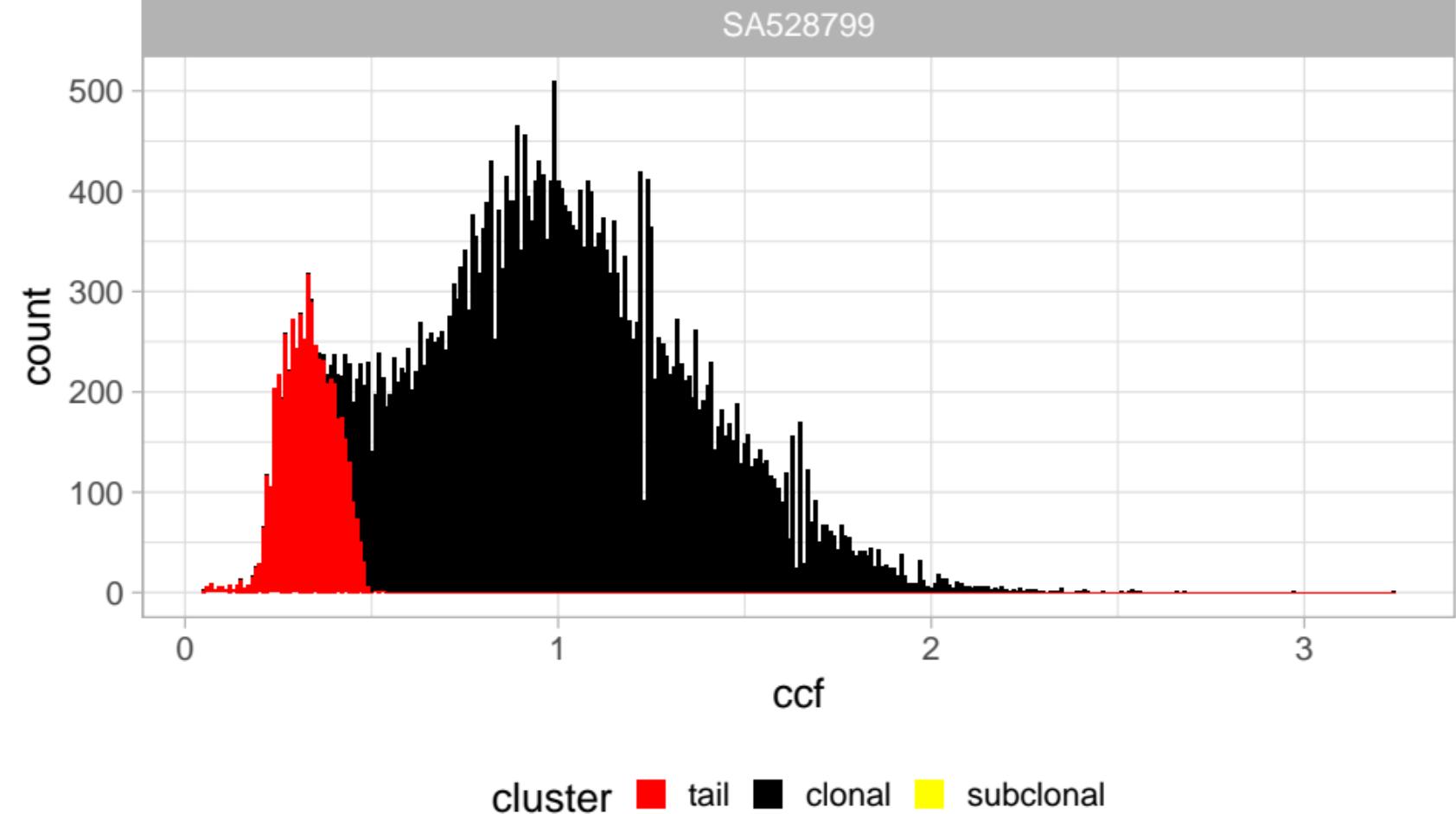
SA530578



SA506657



SA528799



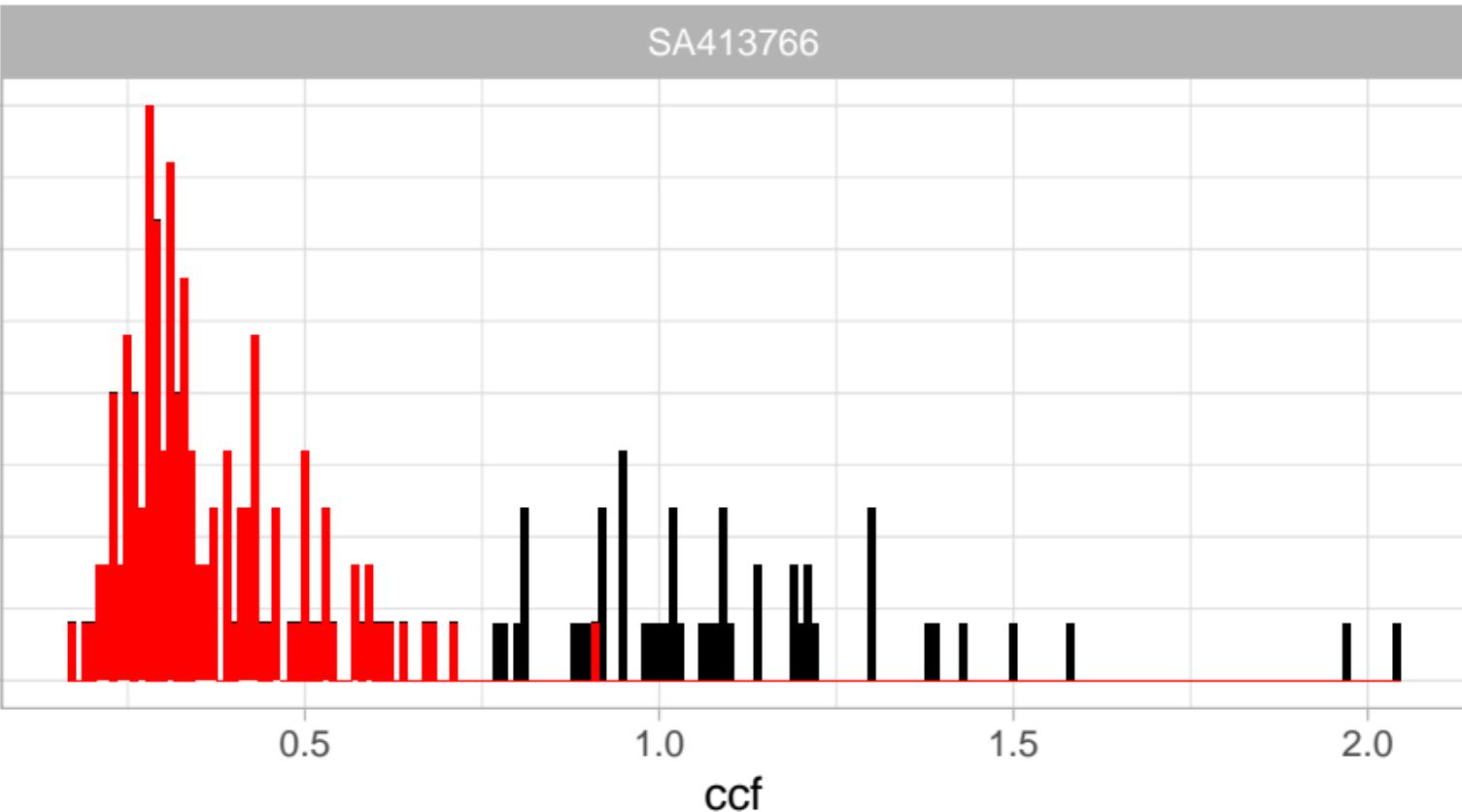
SA413766

count

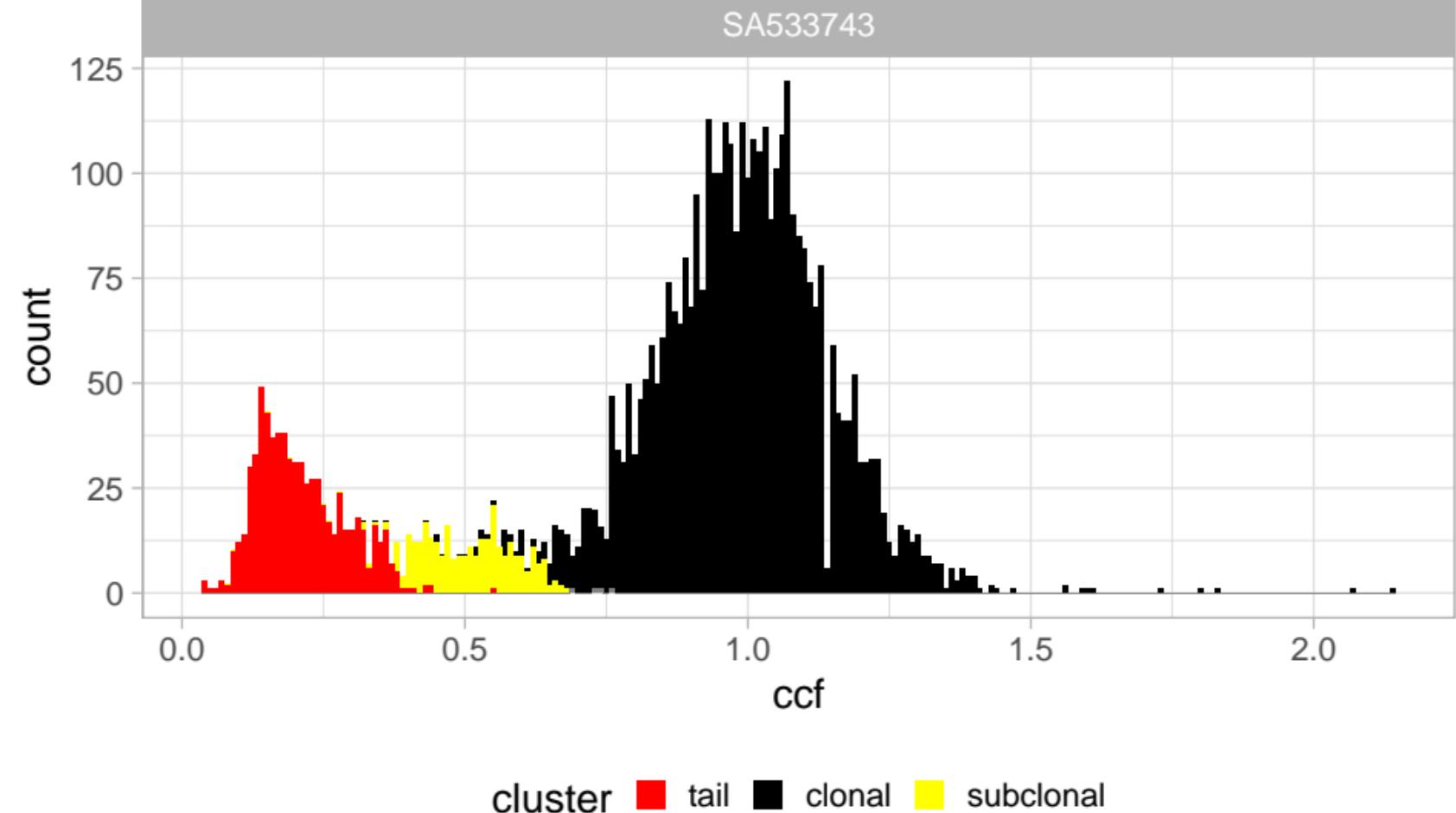
10.0
7.5
5.0
2.5
0.0

ccf

cluster tail clonal subclonal



SA533743



SA520274

count

150
100
50
0

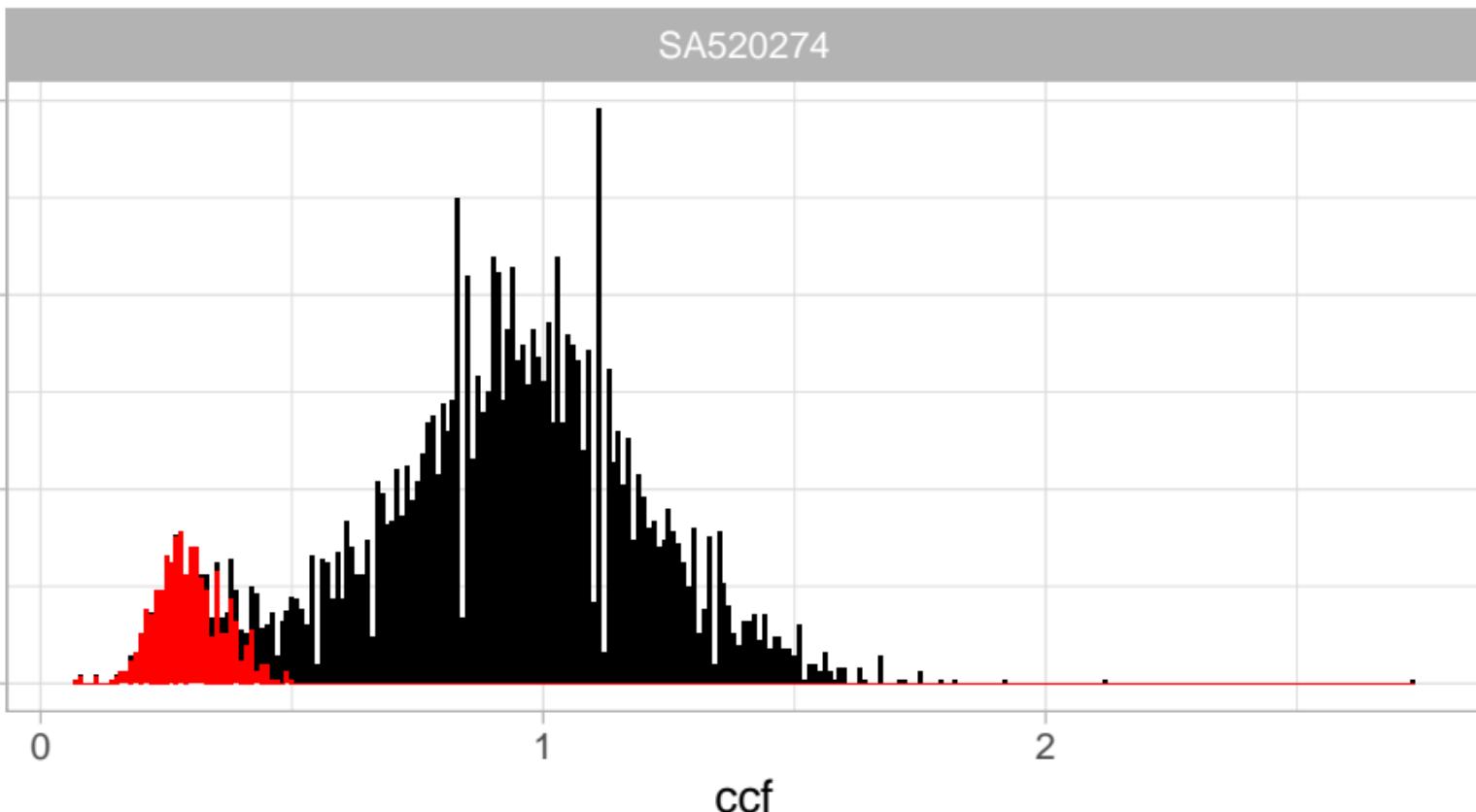
0

1

2

ccf

cluster tail clonal subclonal



SA501544

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA507213

count

200

150

100

50

0

0.0

0.5

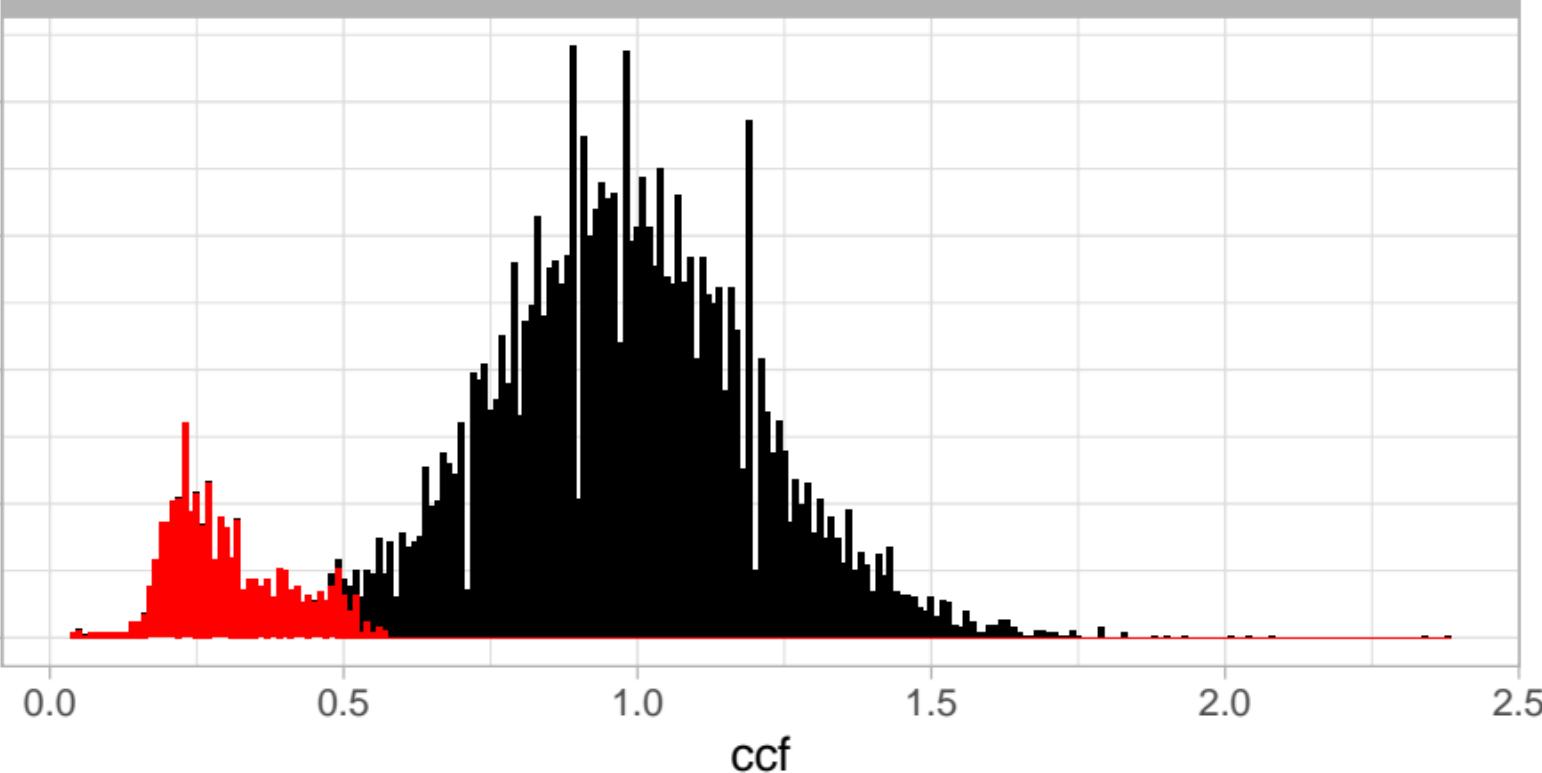
1.0

1.5

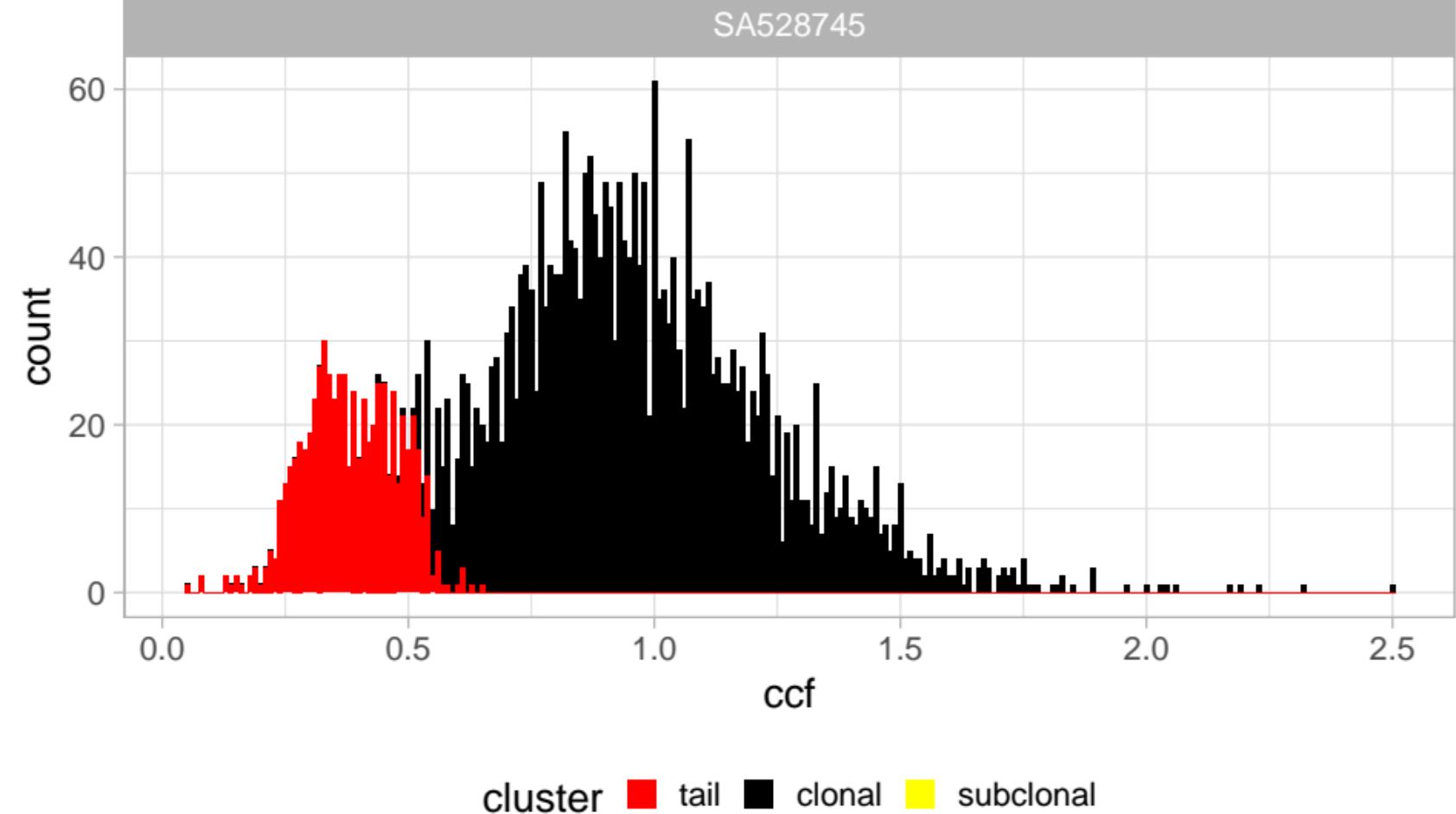
2.0

ccf

cluster tail clonal subclonal



SA528745



SA529863

count

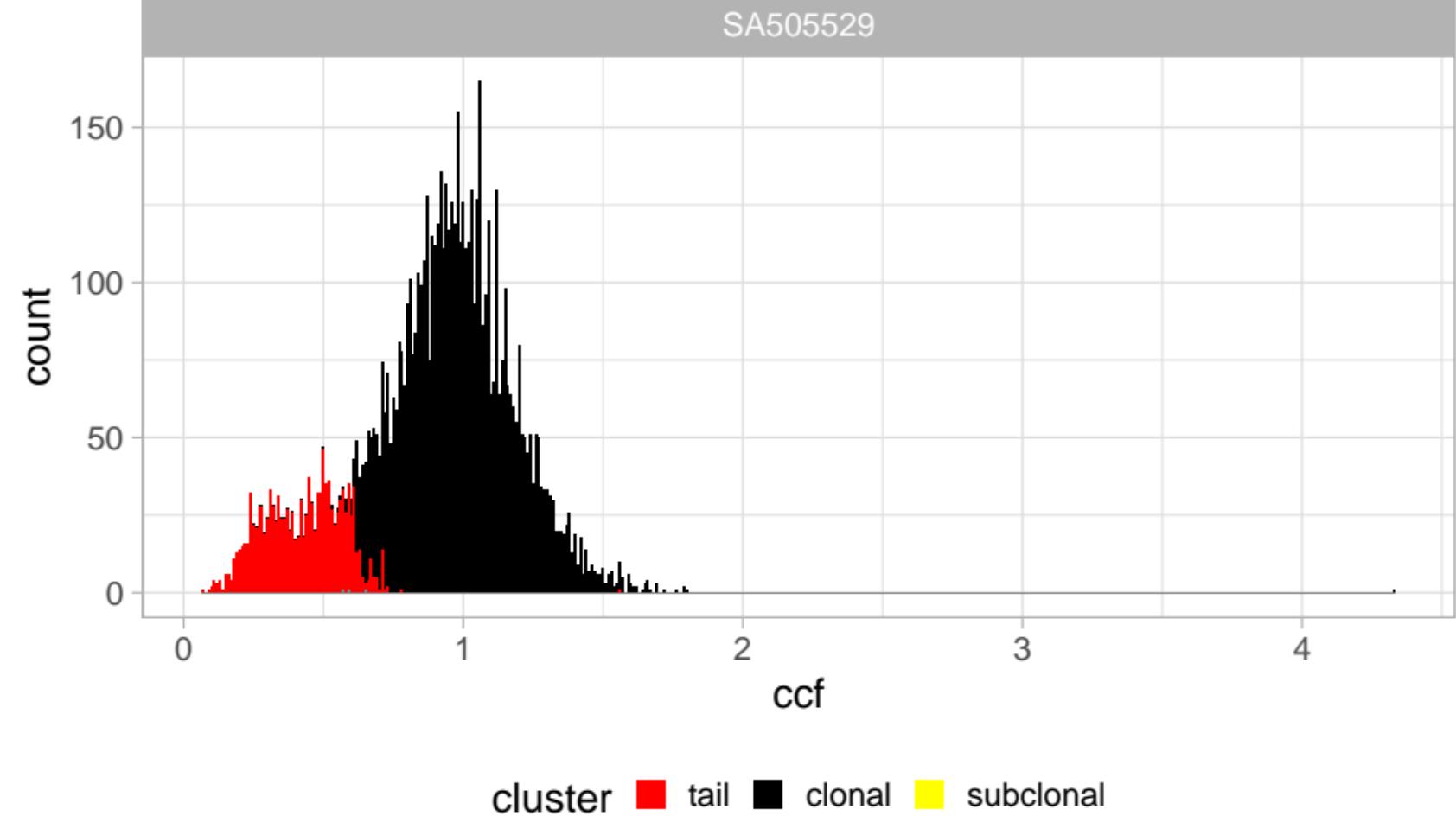
600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

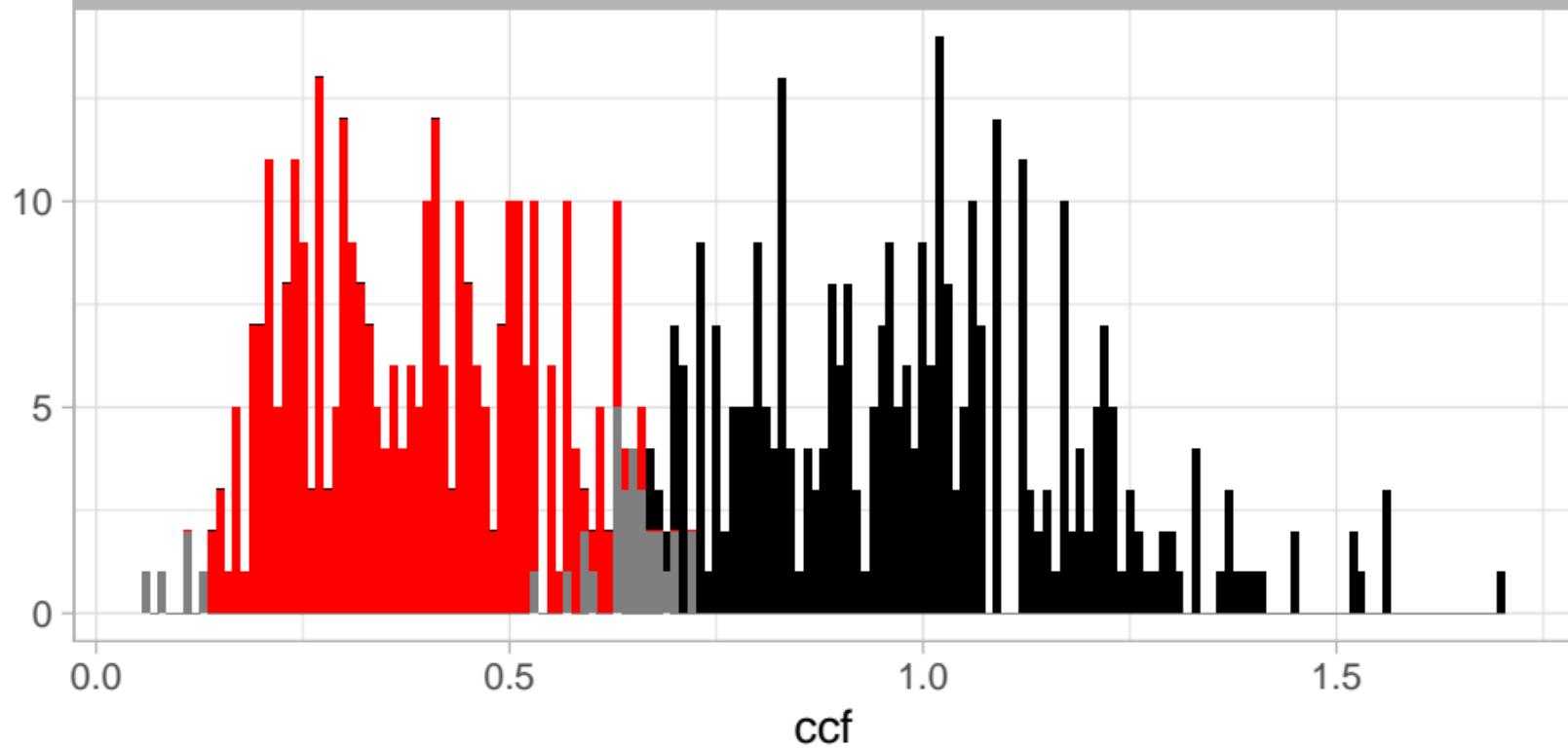
cluster tail clonal subclonal

SA505529



SA517289

count



cluster ■ tail ■ clonal ■ subclonal

SA570833

count

75

50

25

0

0.0

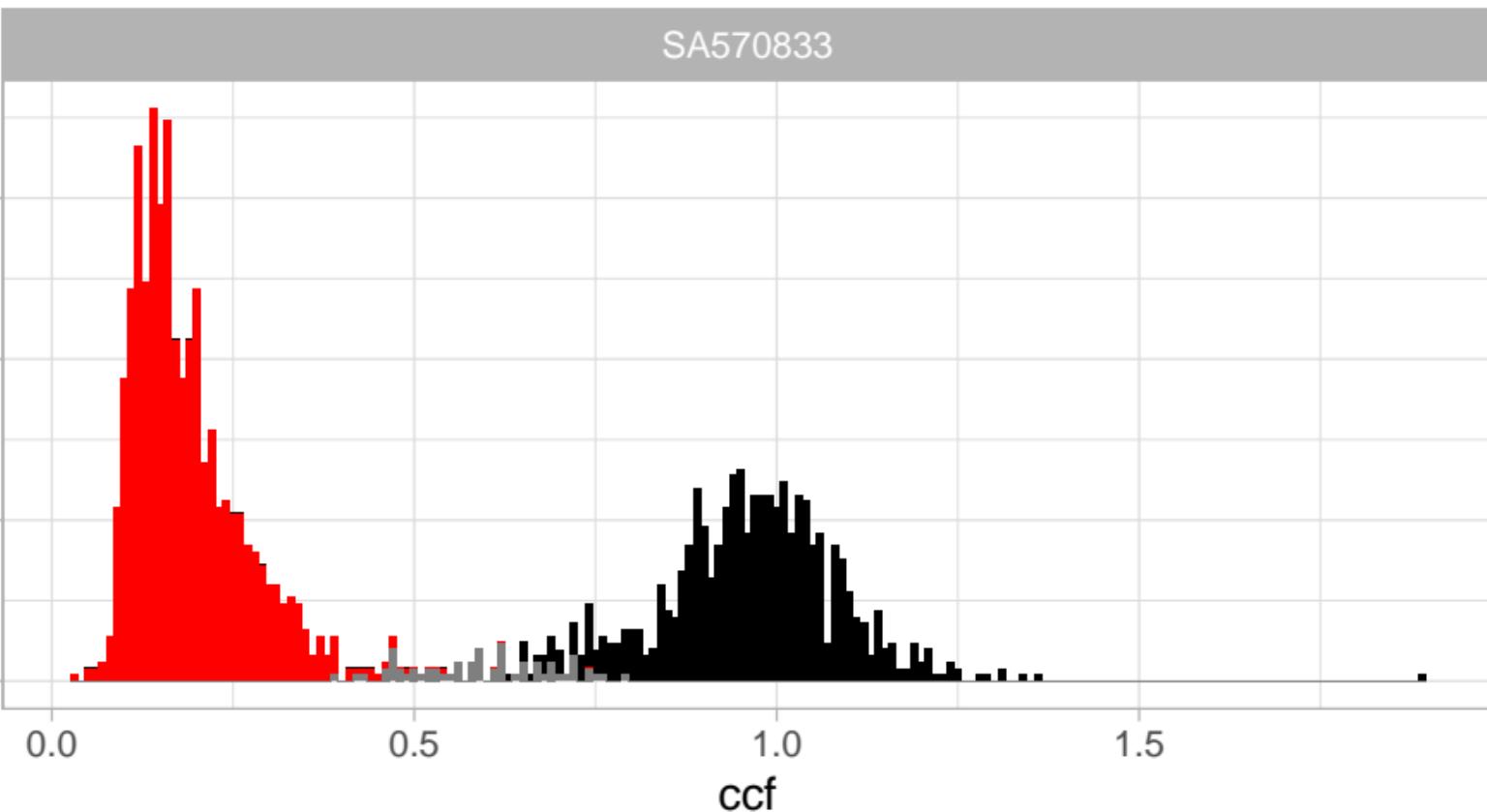
0.5

1.0

1.5

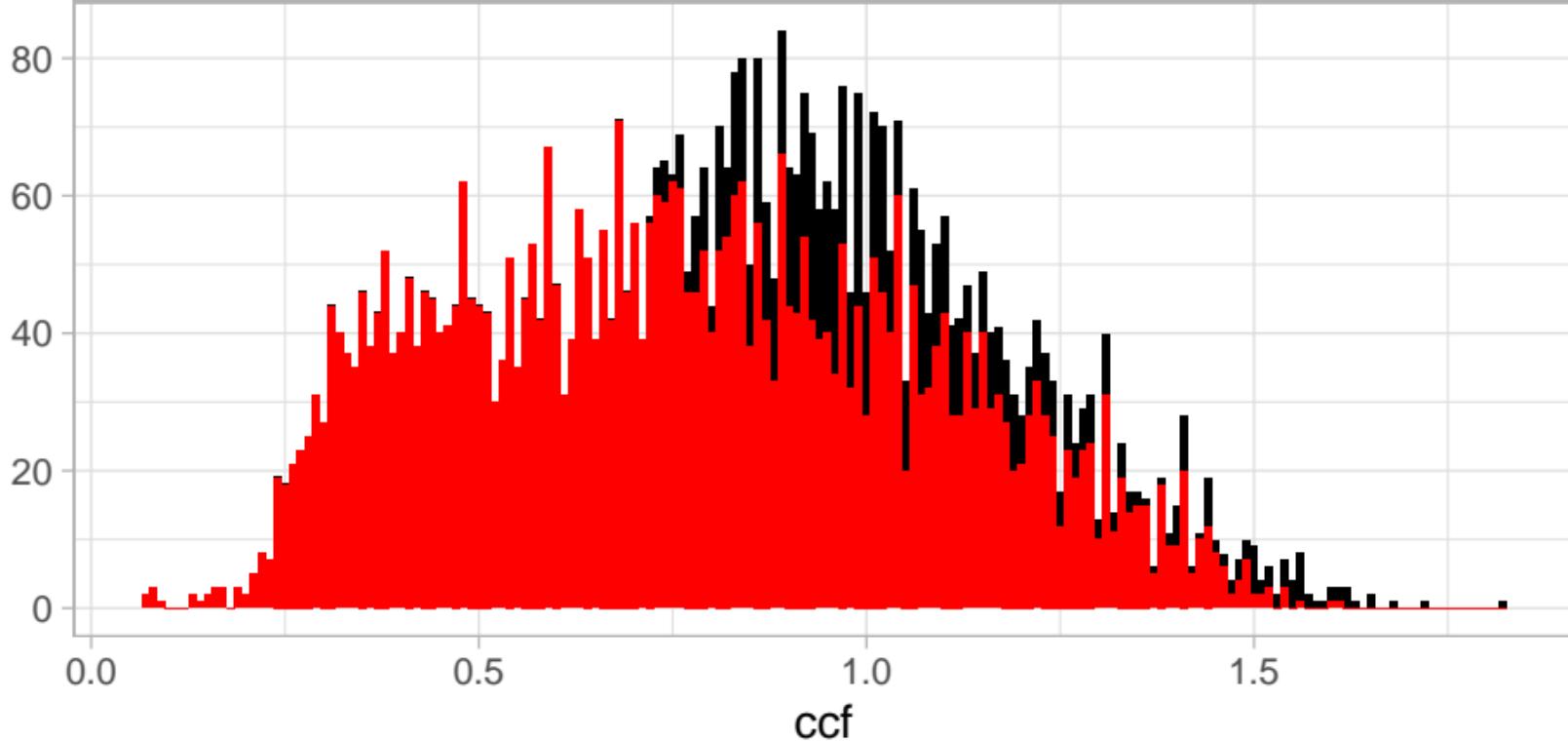
ccf

cluster tail clonal subclonal



SA505889

count



cluster ■ tail ■ clonal ■ subclonal

SA542185

count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA541780

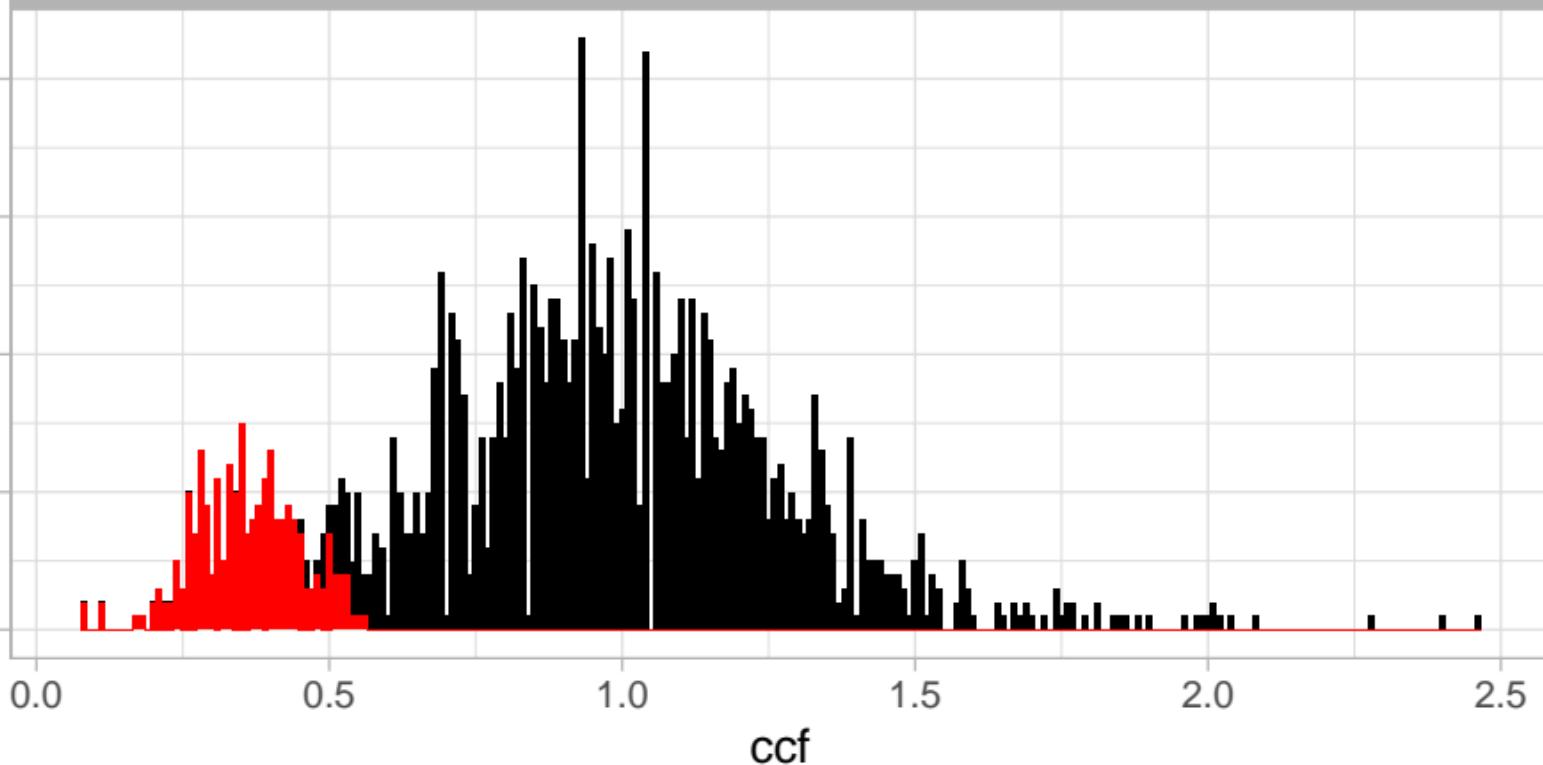
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA507448

count

200
150
100
50
0

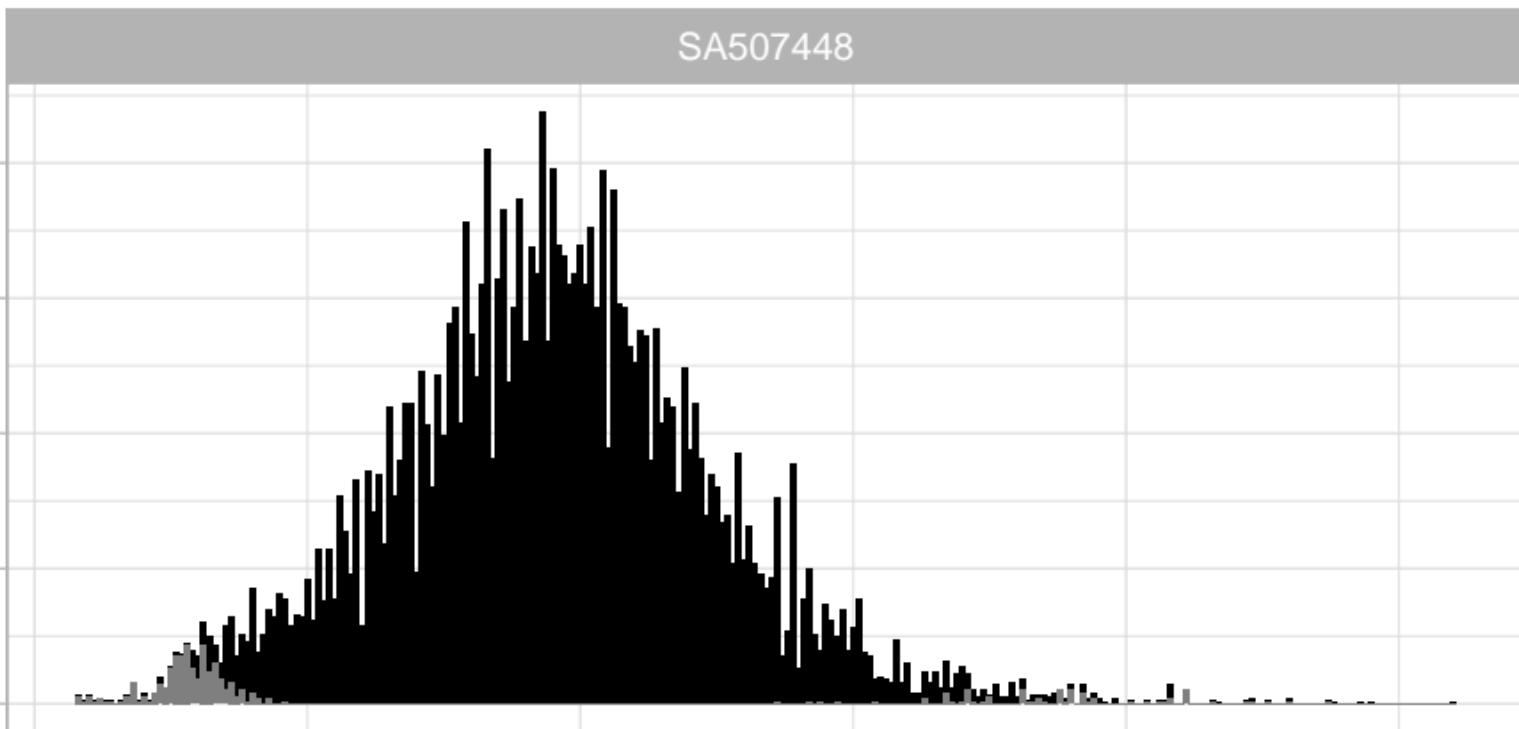
0

1

2

ccf

cluster tail clonal subclonal



SA530542

count

80
60
40
20
0

0 1 2 3 4

ccf

cluster tail clonal subclonal

SA514930

count

100

50

0

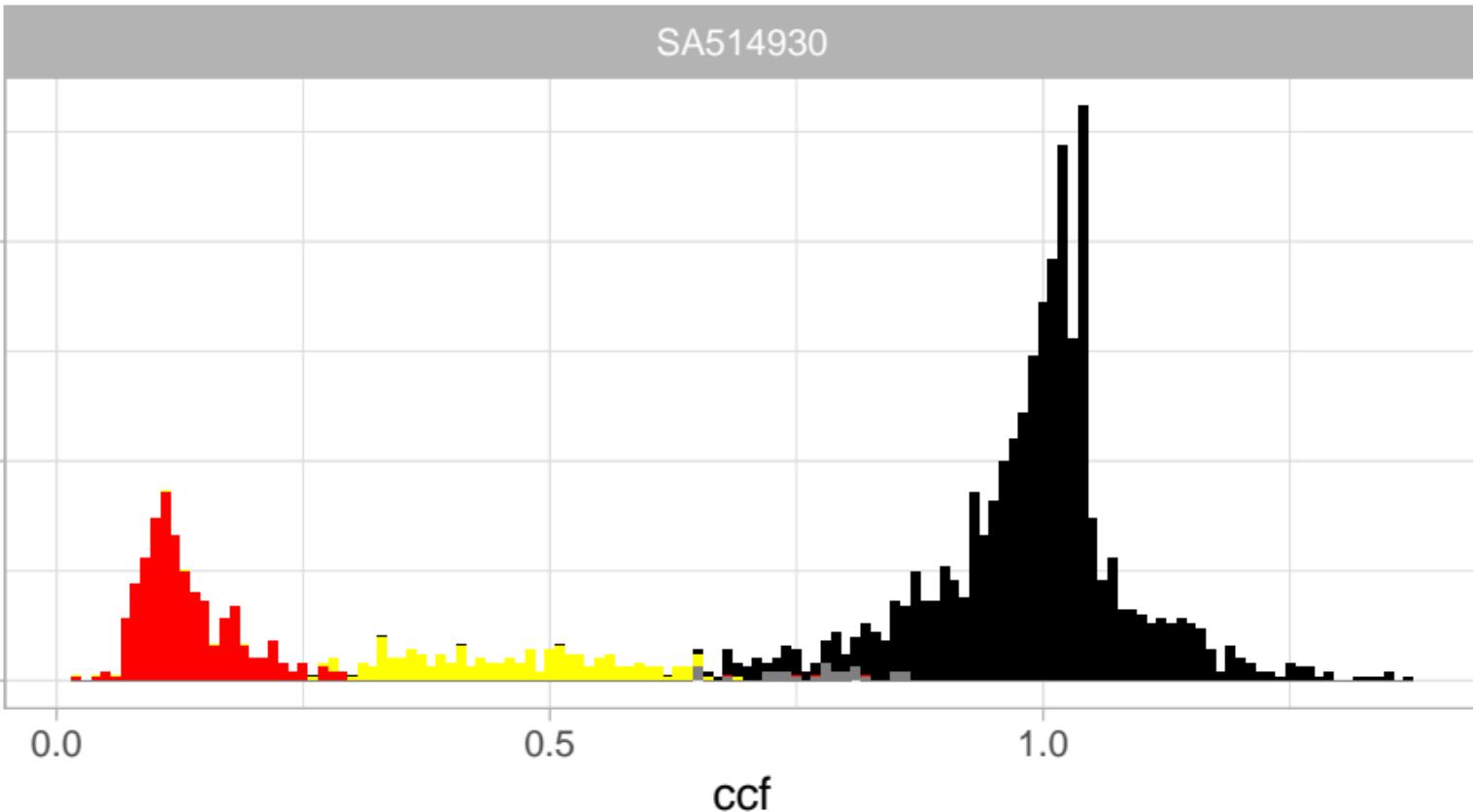
0.0

0.5

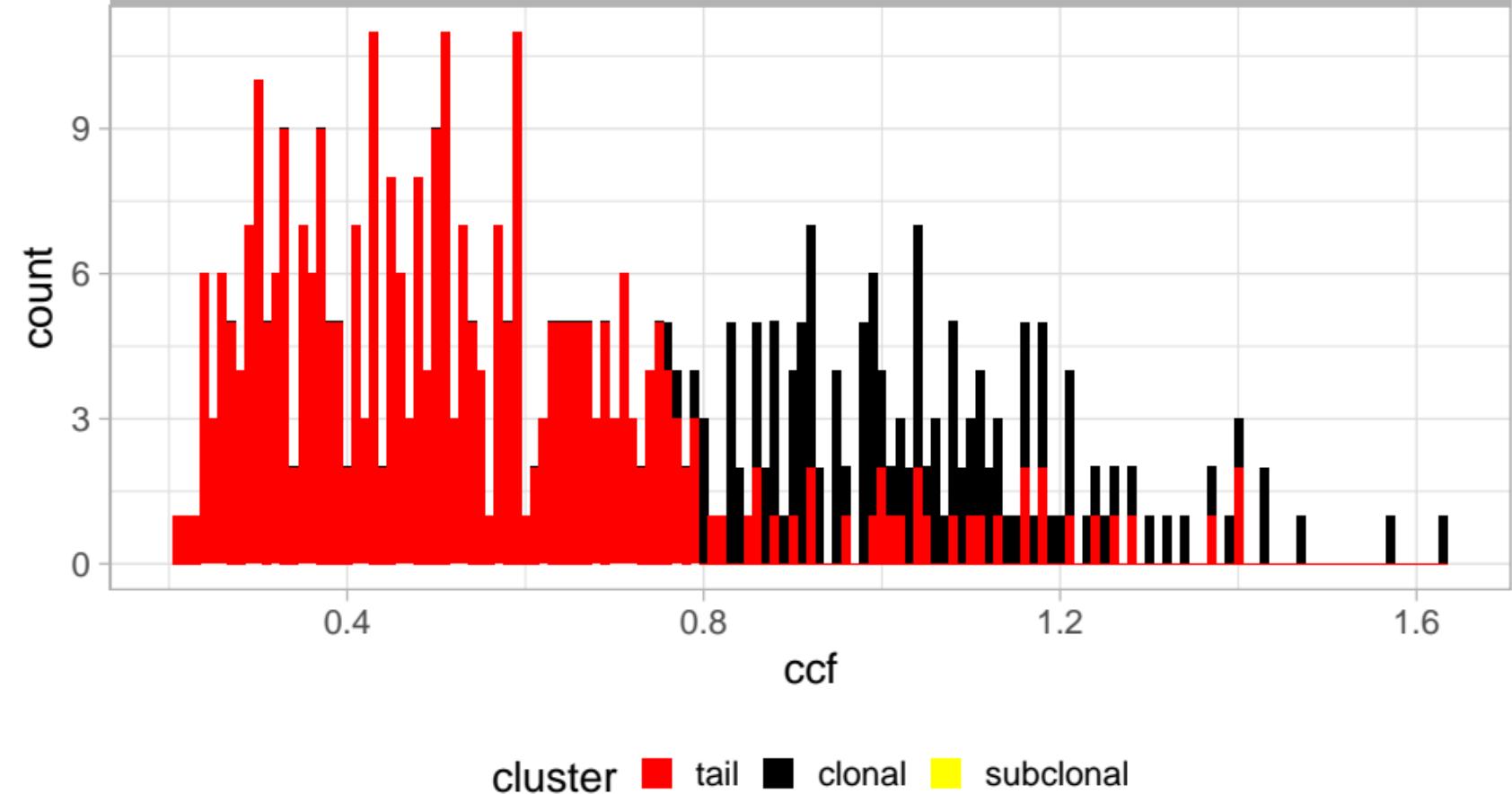
1.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413846



SA570923

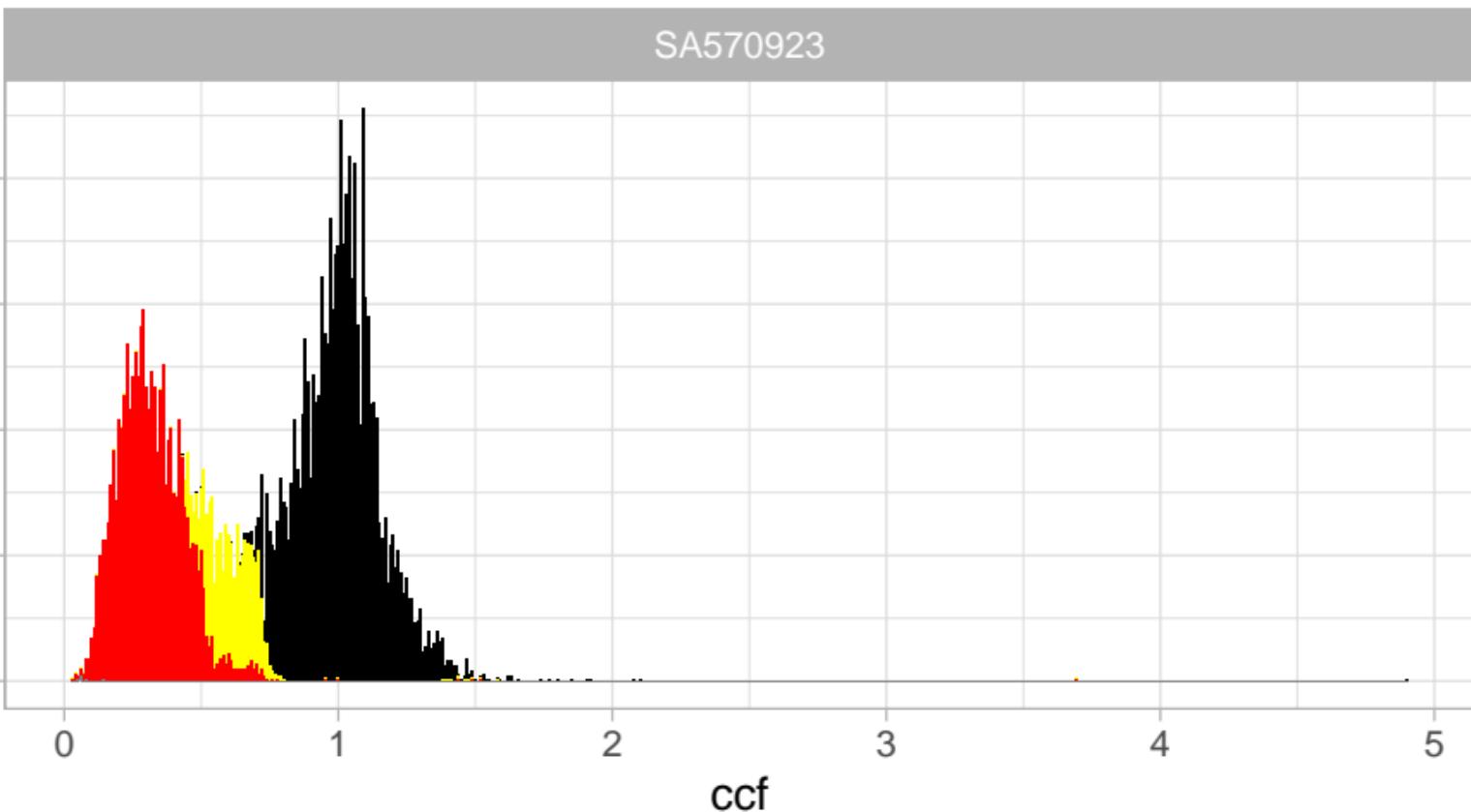
count

200
150
100
50
0

0 1 2 3 4 5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA539019

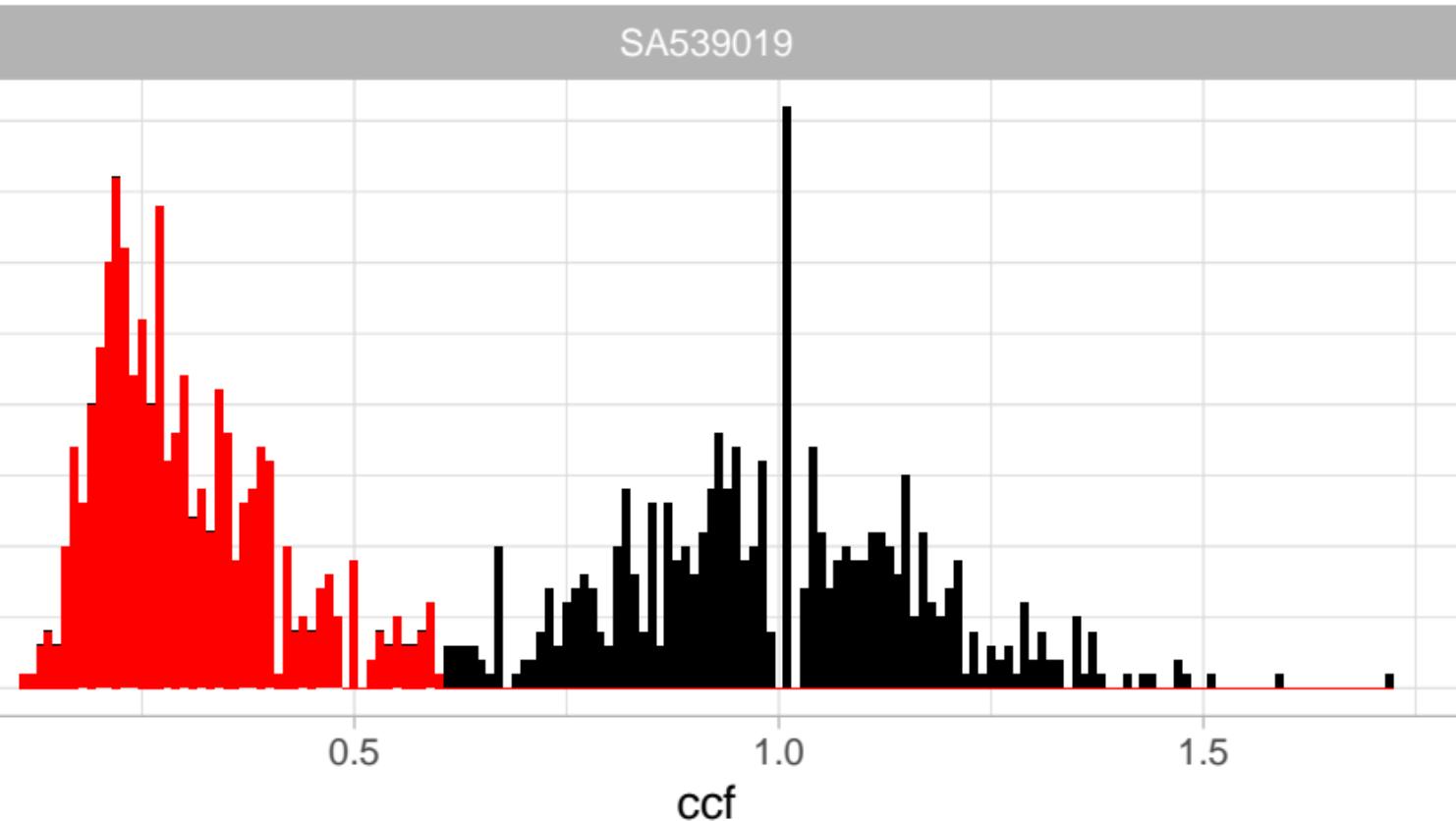
count

40
30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA501549

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530503

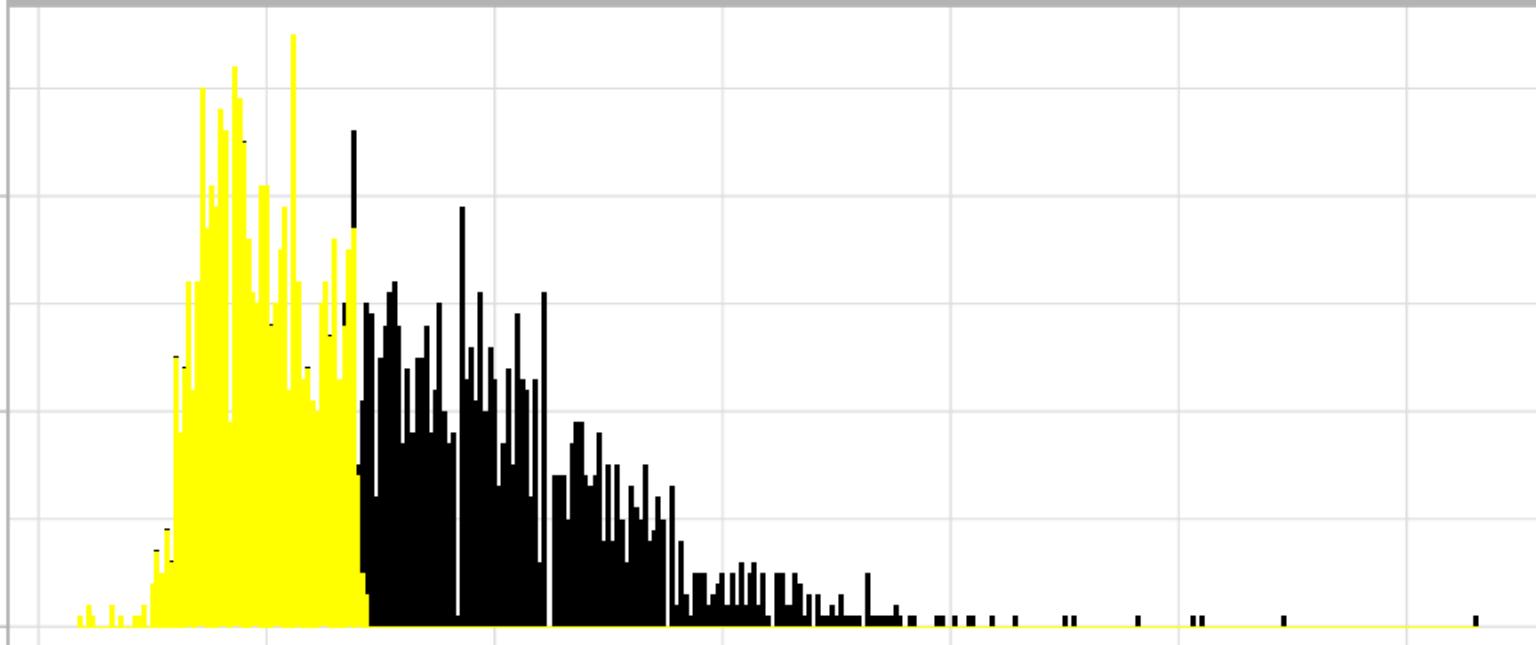
count

40
20
0

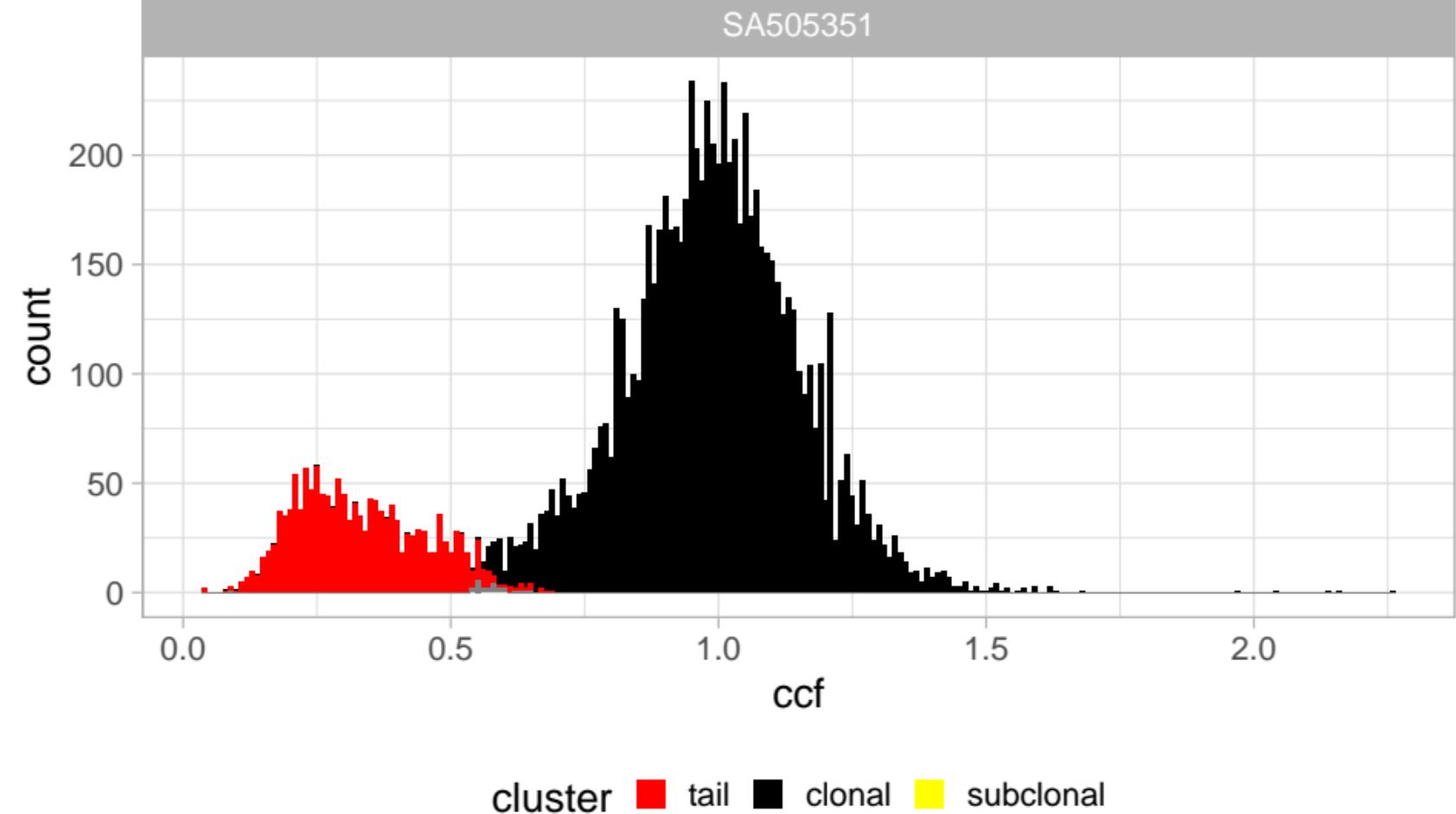
0 1 2 3

ccf

cluster tail clonal subclonal



SA505351



SA533659

count

200

100

0

0.0

0.5

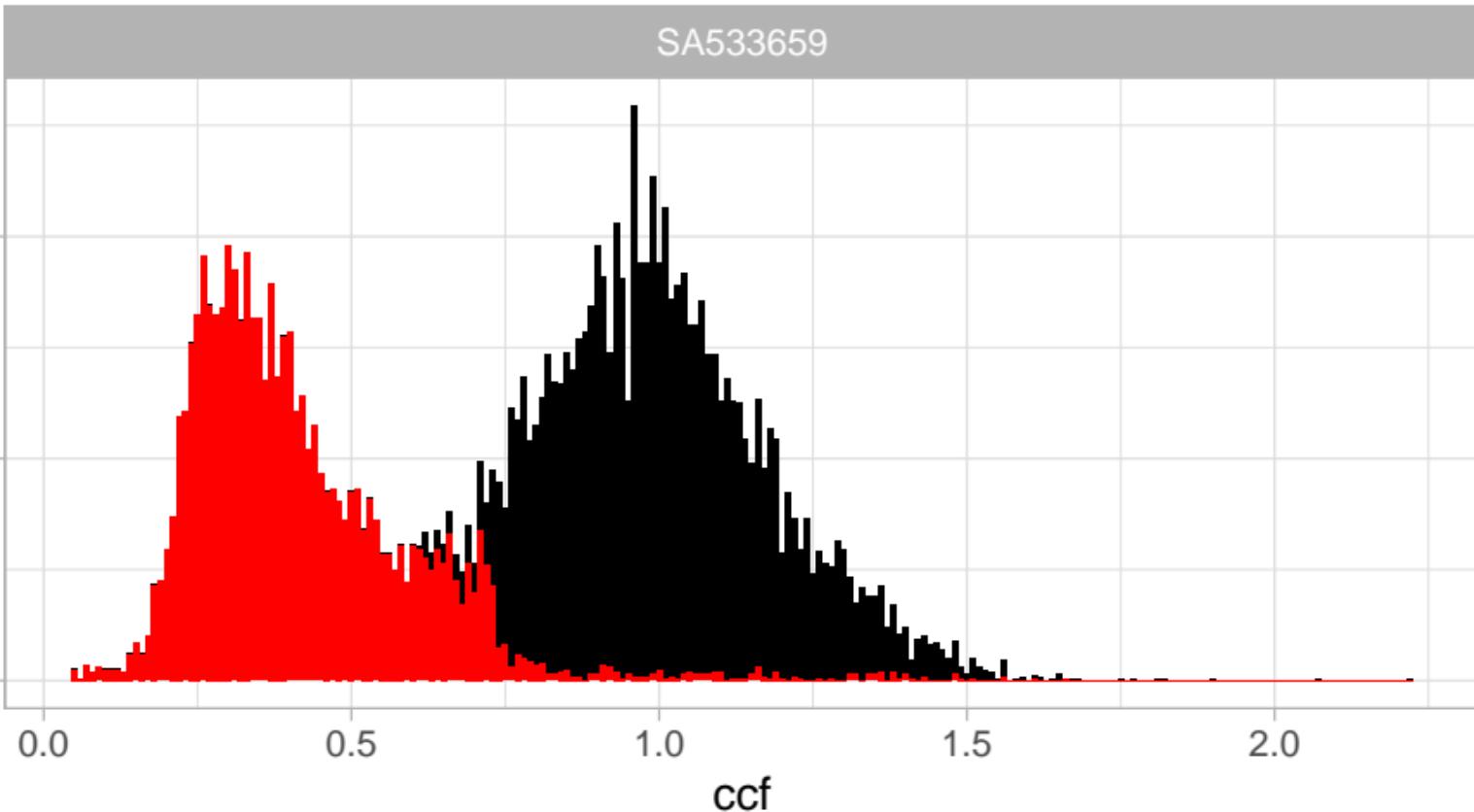
1.0

1.5

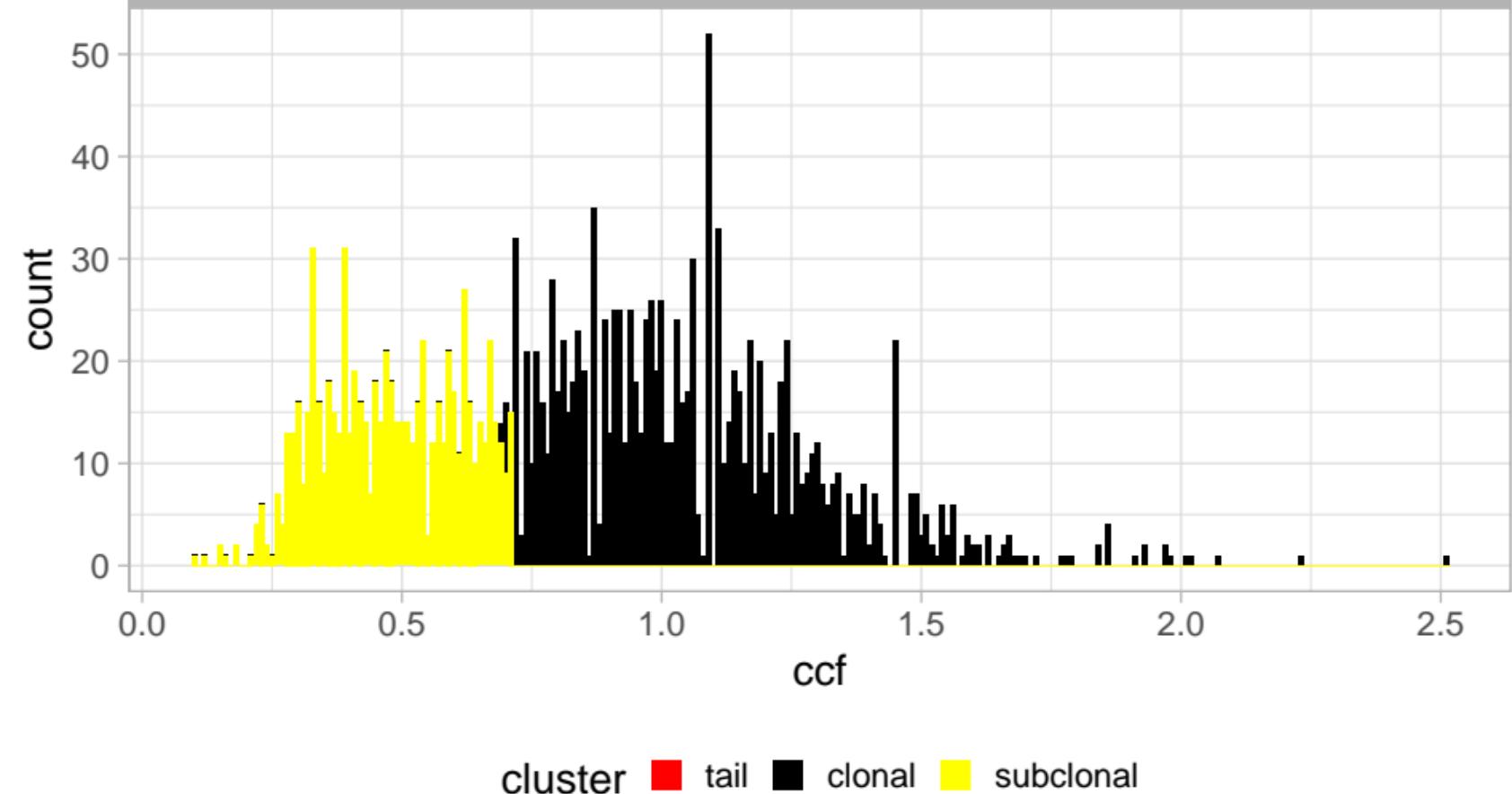
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA130872



SA413522

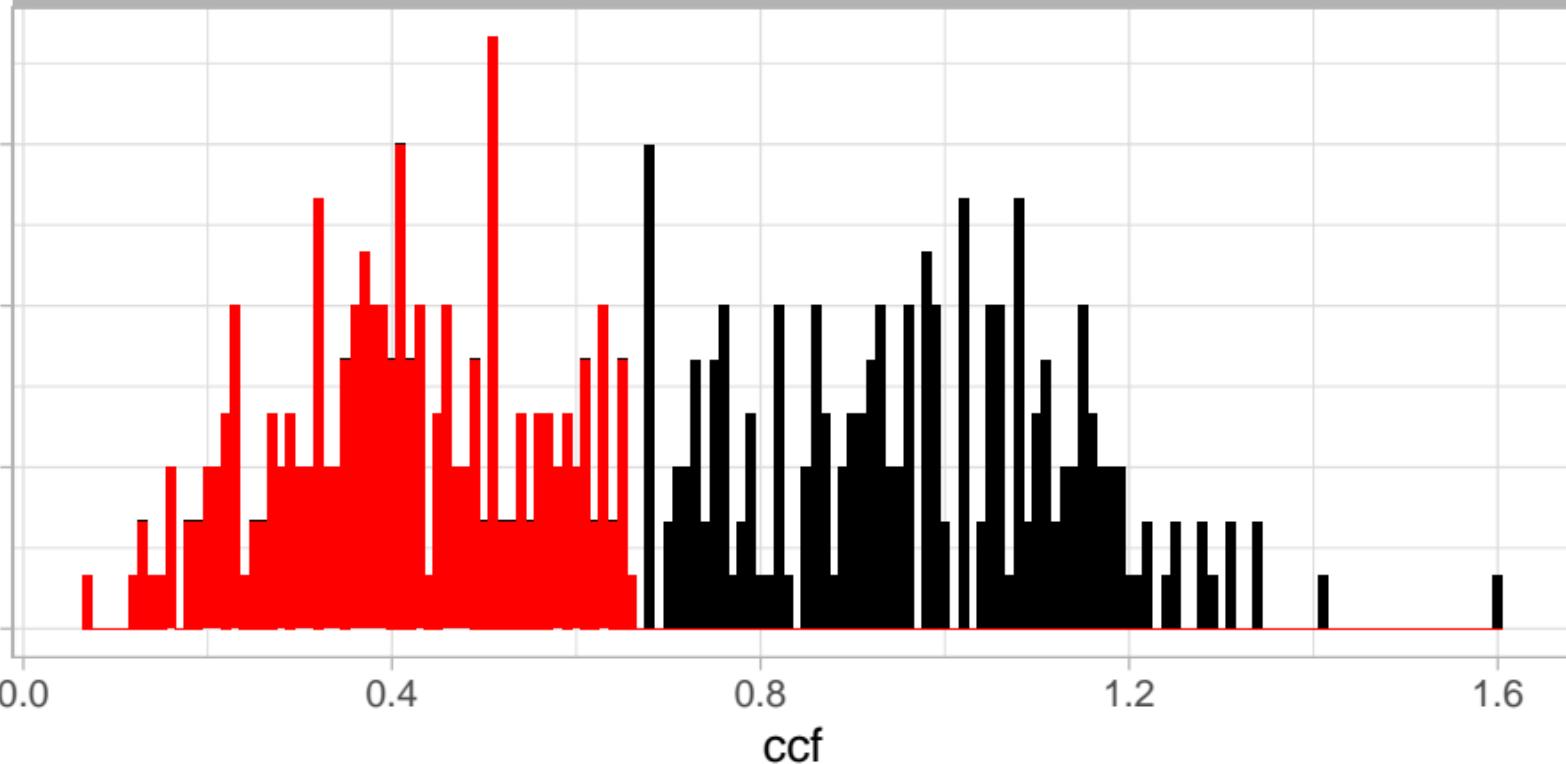
count

9
6
3
0

0.0 0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA517373

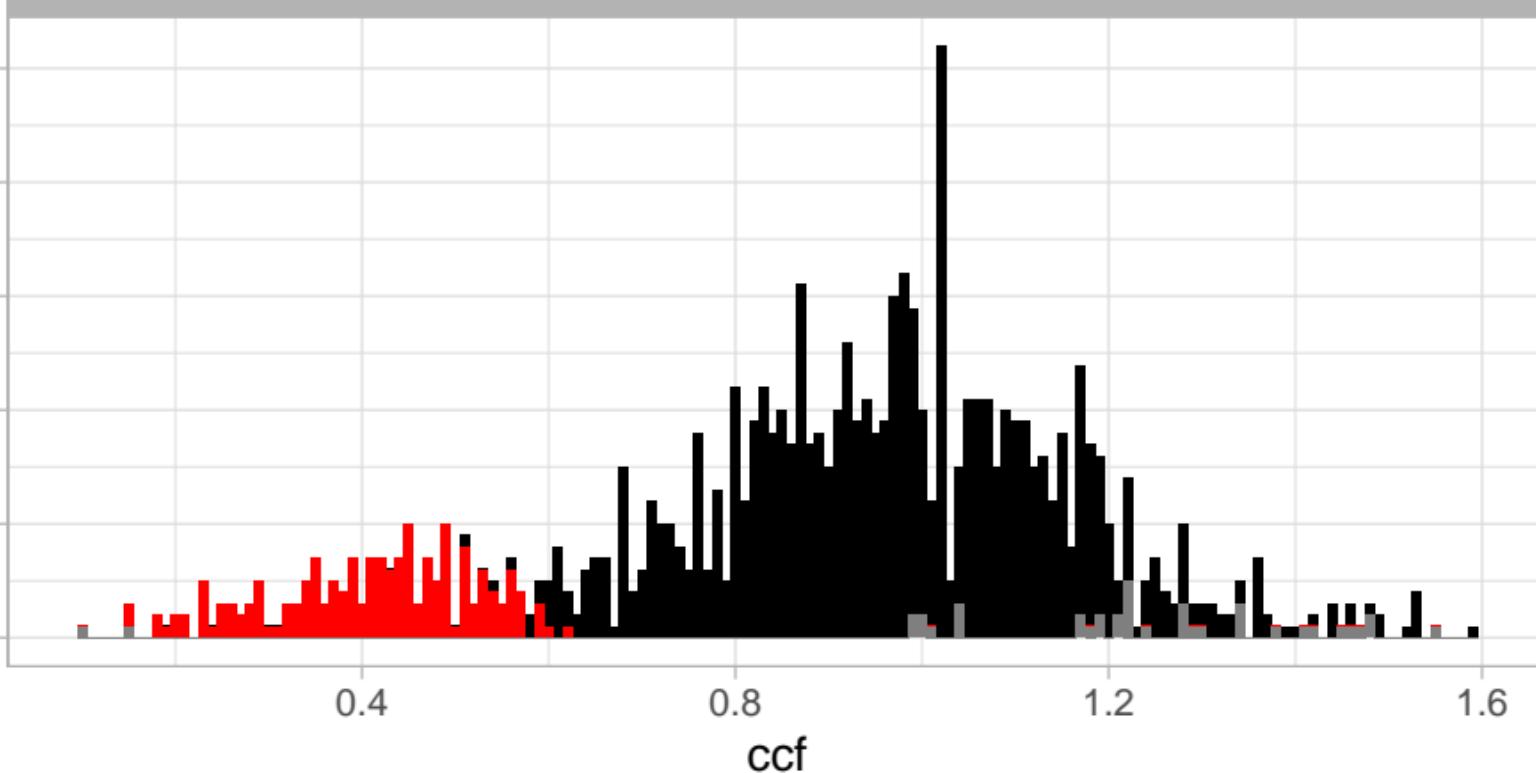
count

50
40
30
20
10
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA501553

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533660

count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA557539

count

1000

500

0

0.0

0.5

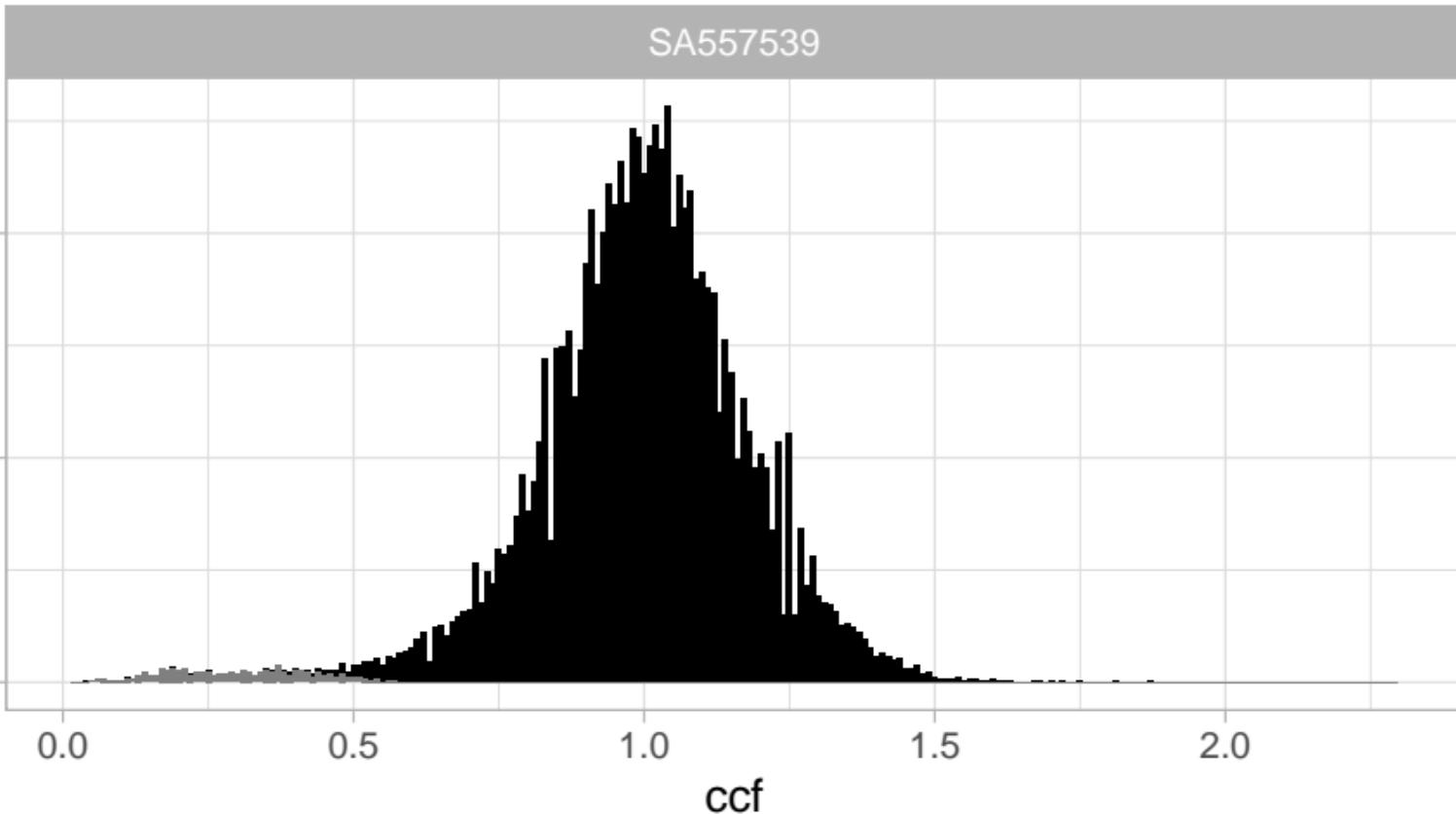
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA530502

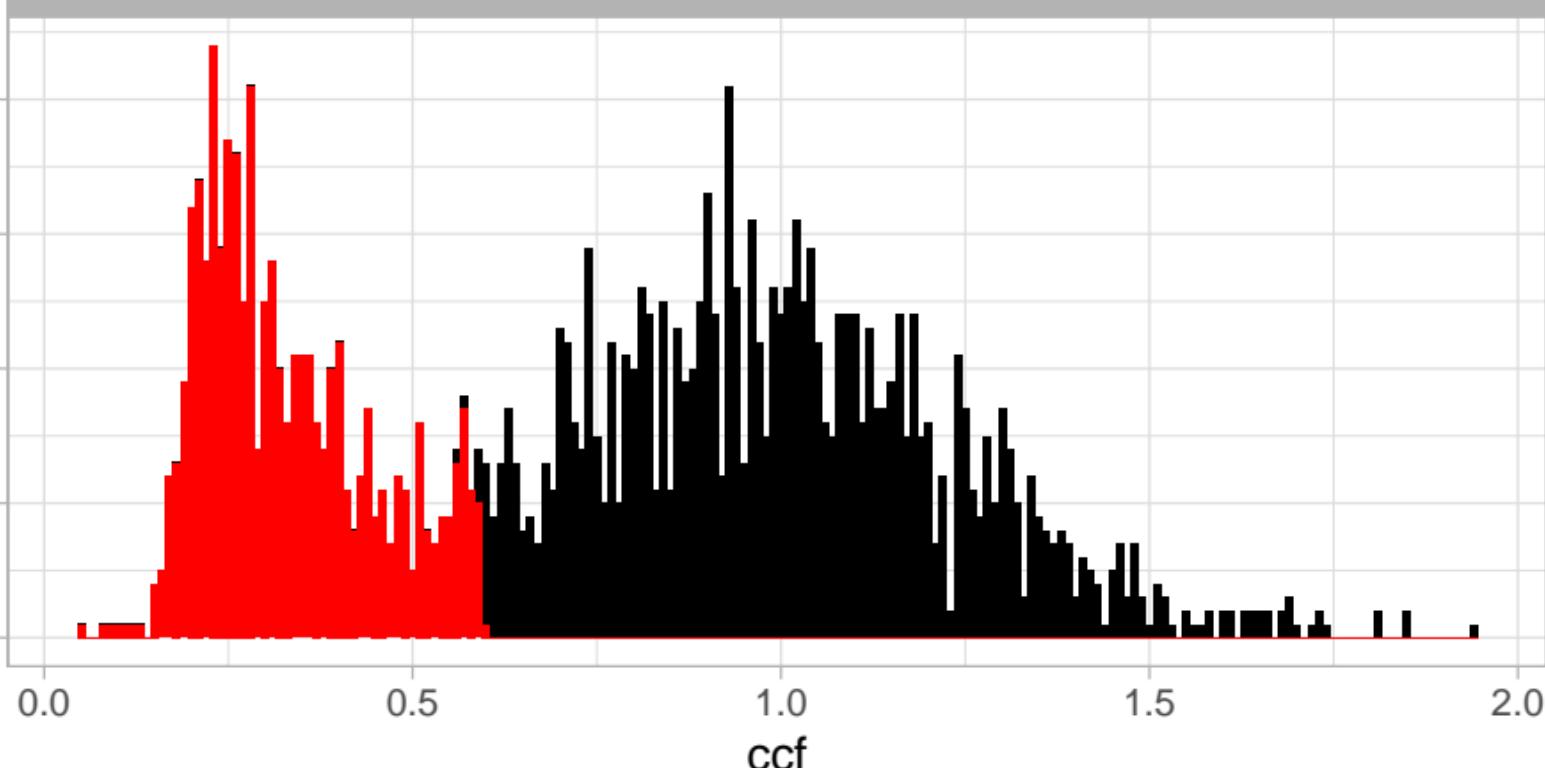
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542040

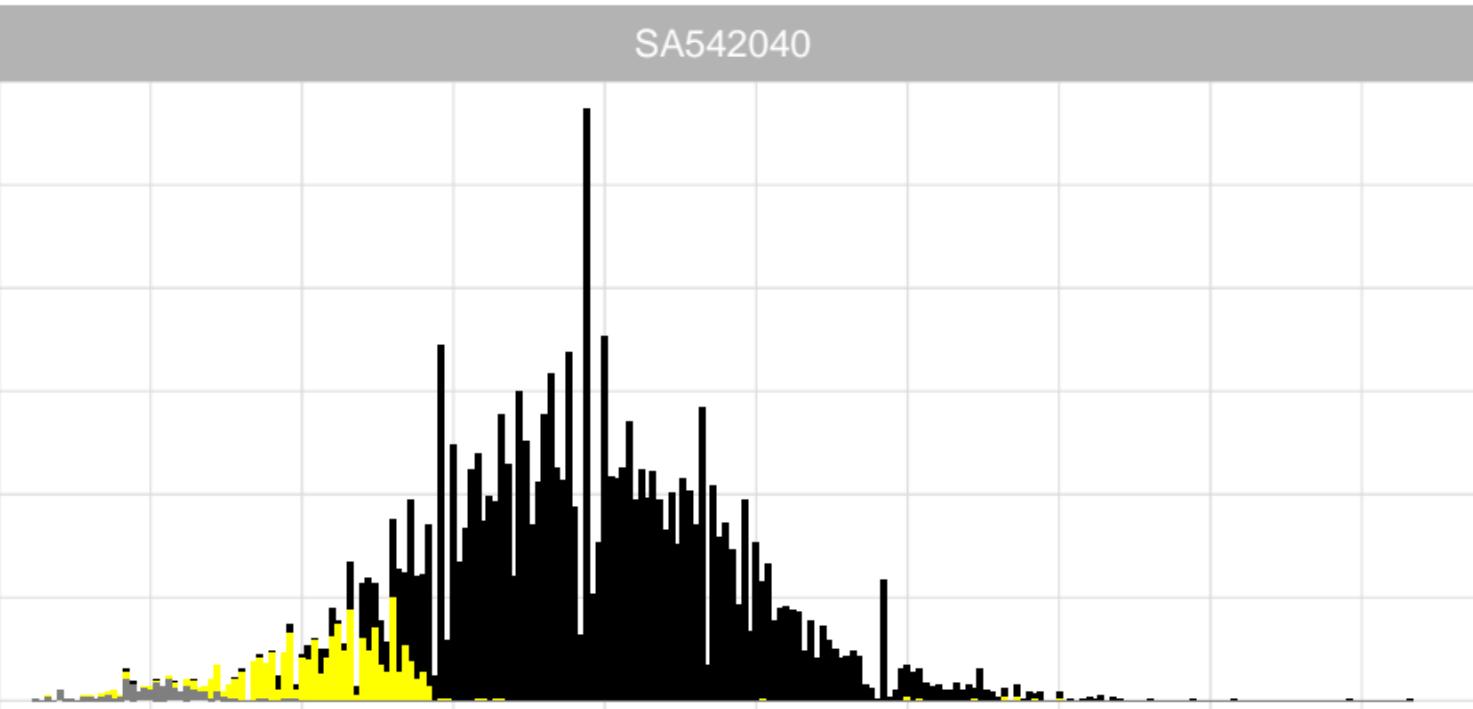
count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA518680

count

75
50
25
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA570916

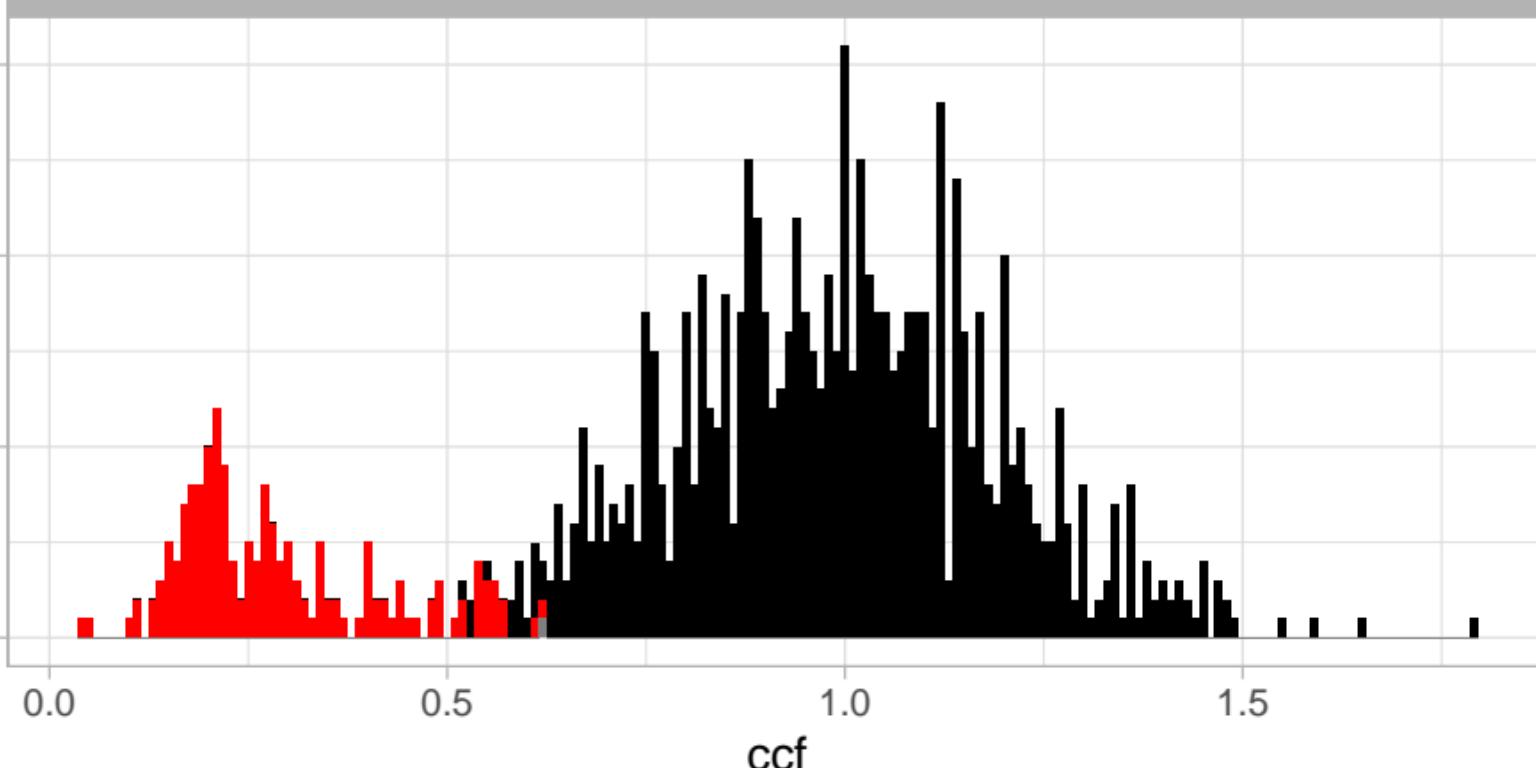
count

30
20
10
0

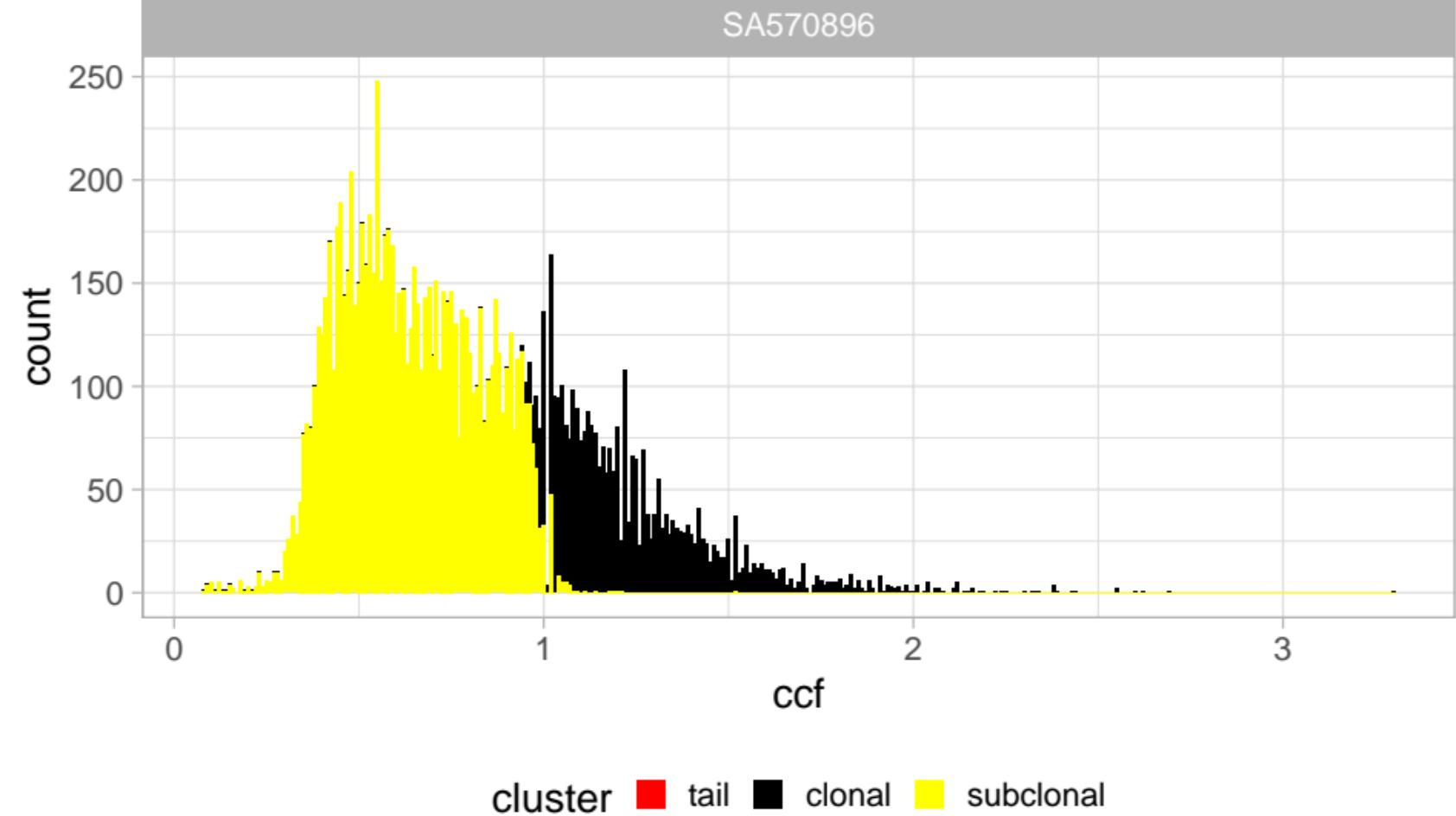
0.0 0.5 1.0 1.5

ccf

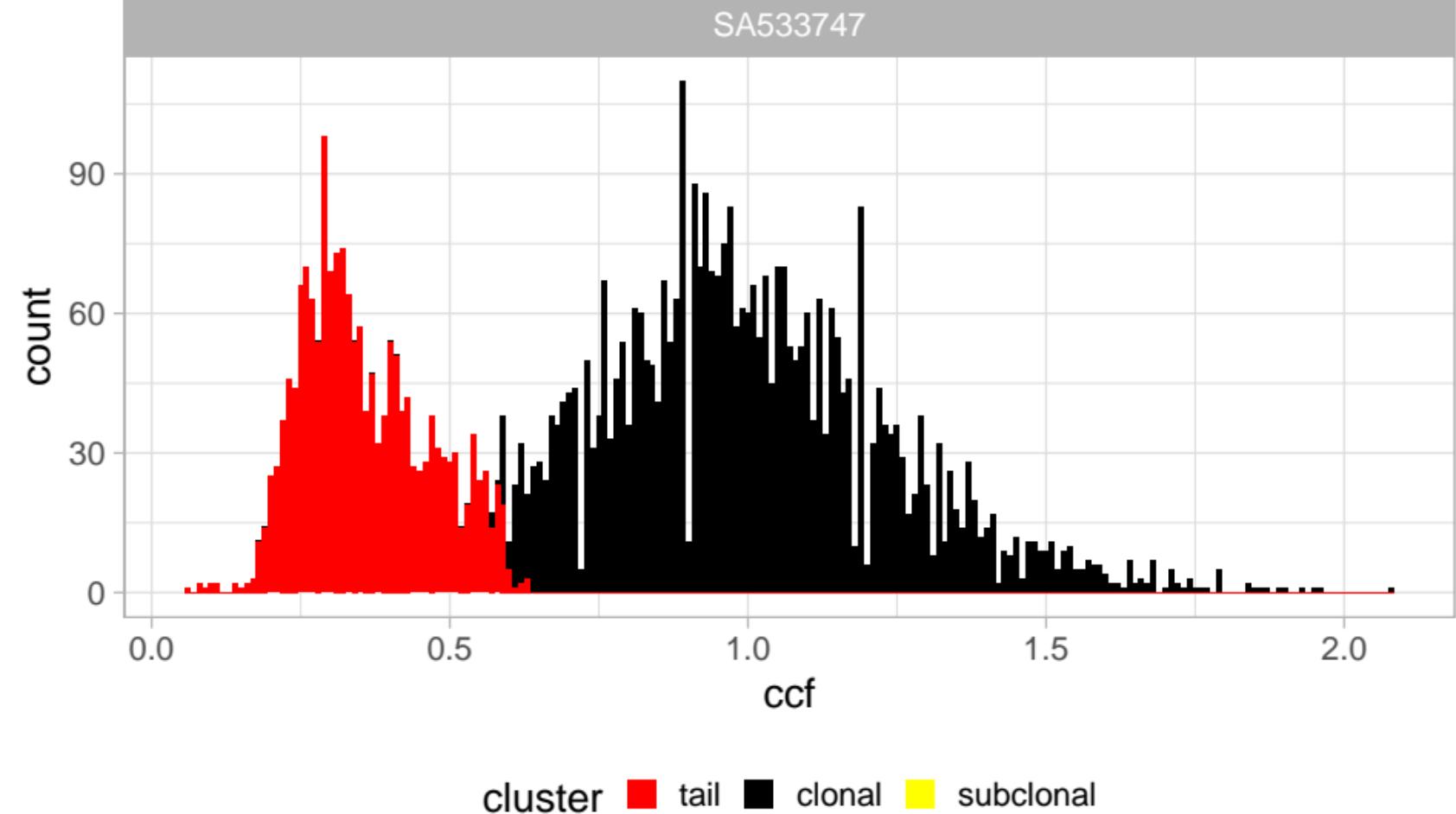
cluster tail clonal subclonal



SA570896



SA533747



SA507244

count

100
50
0

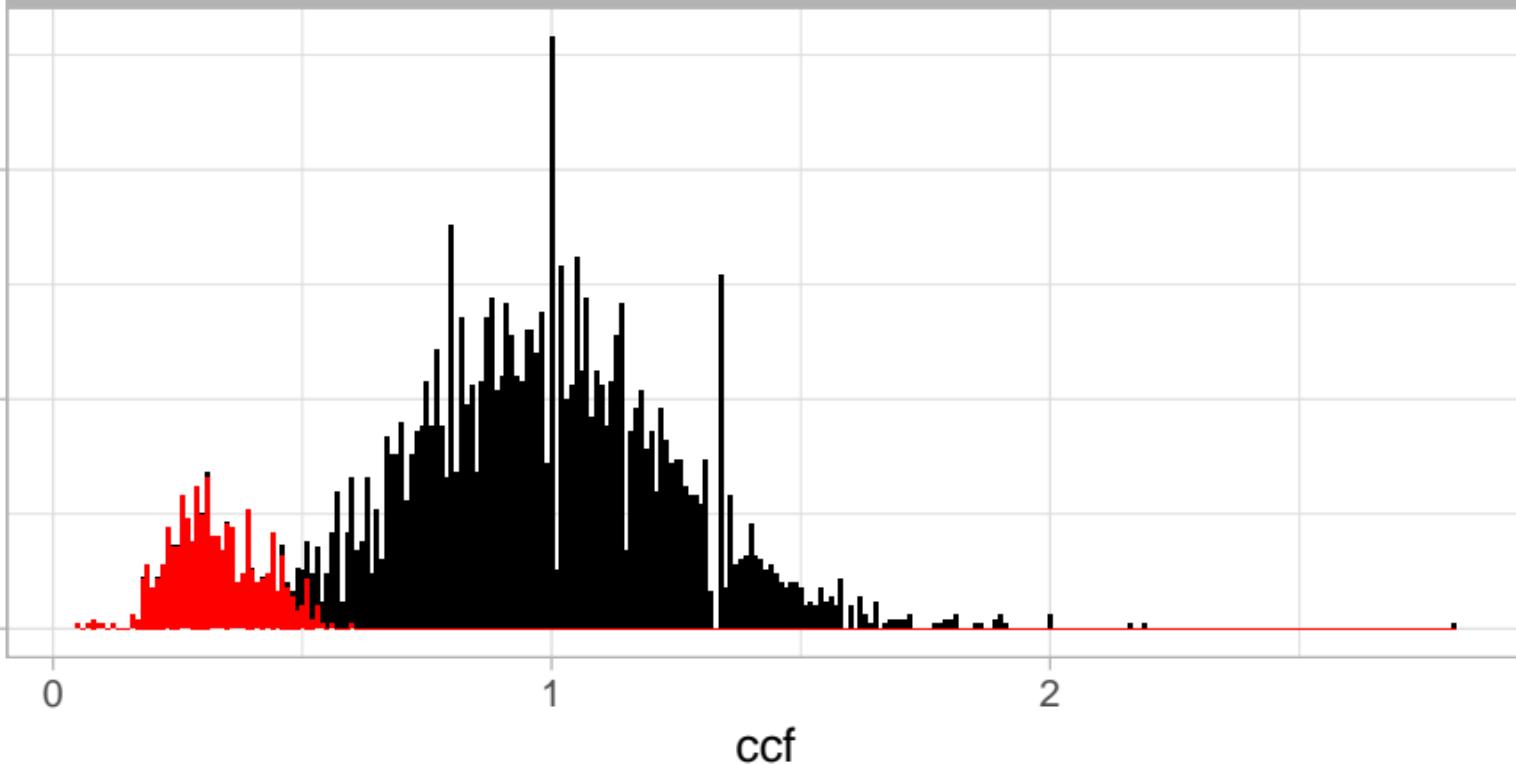
0

1

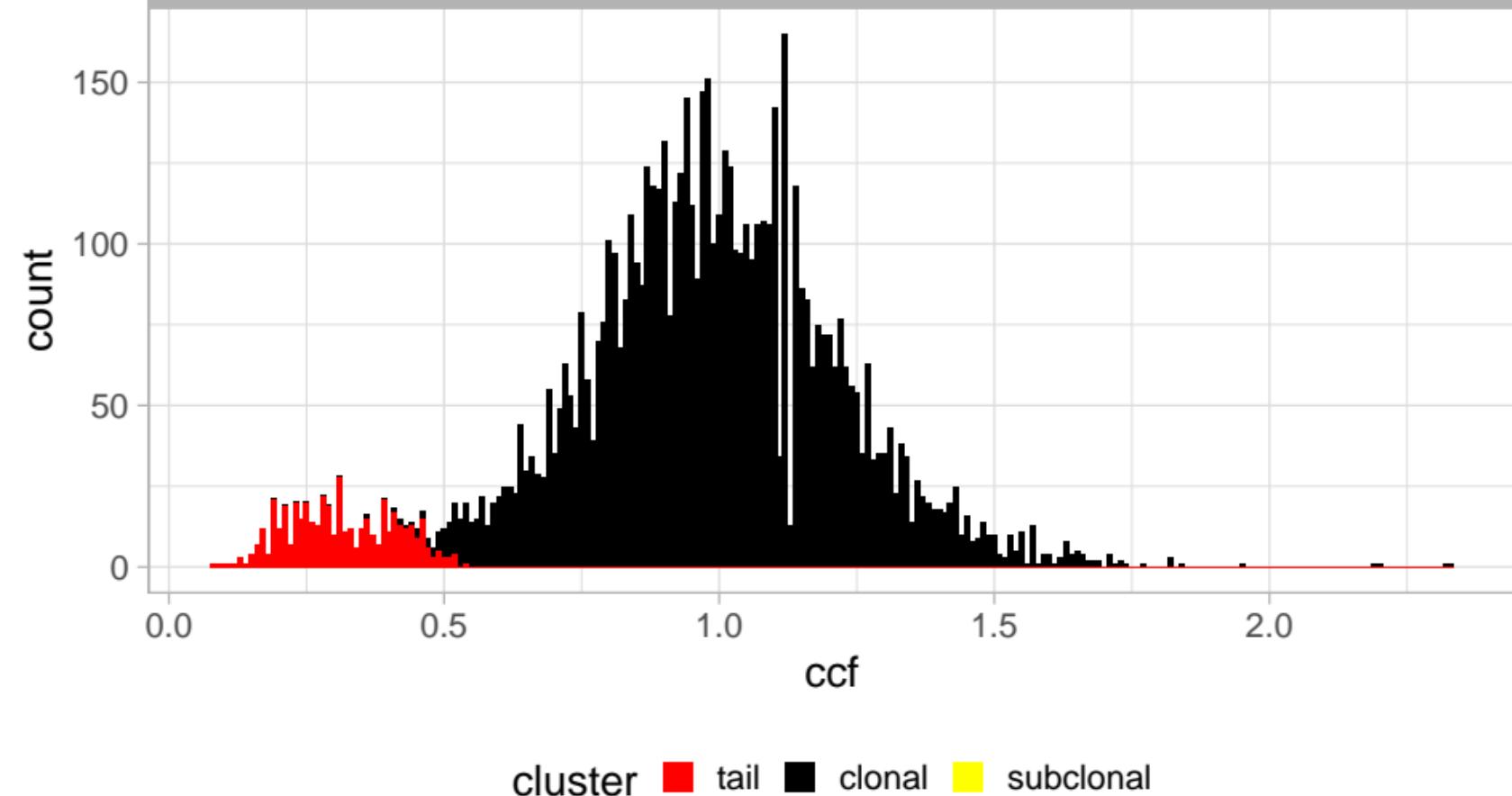
2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA410574



SA517271

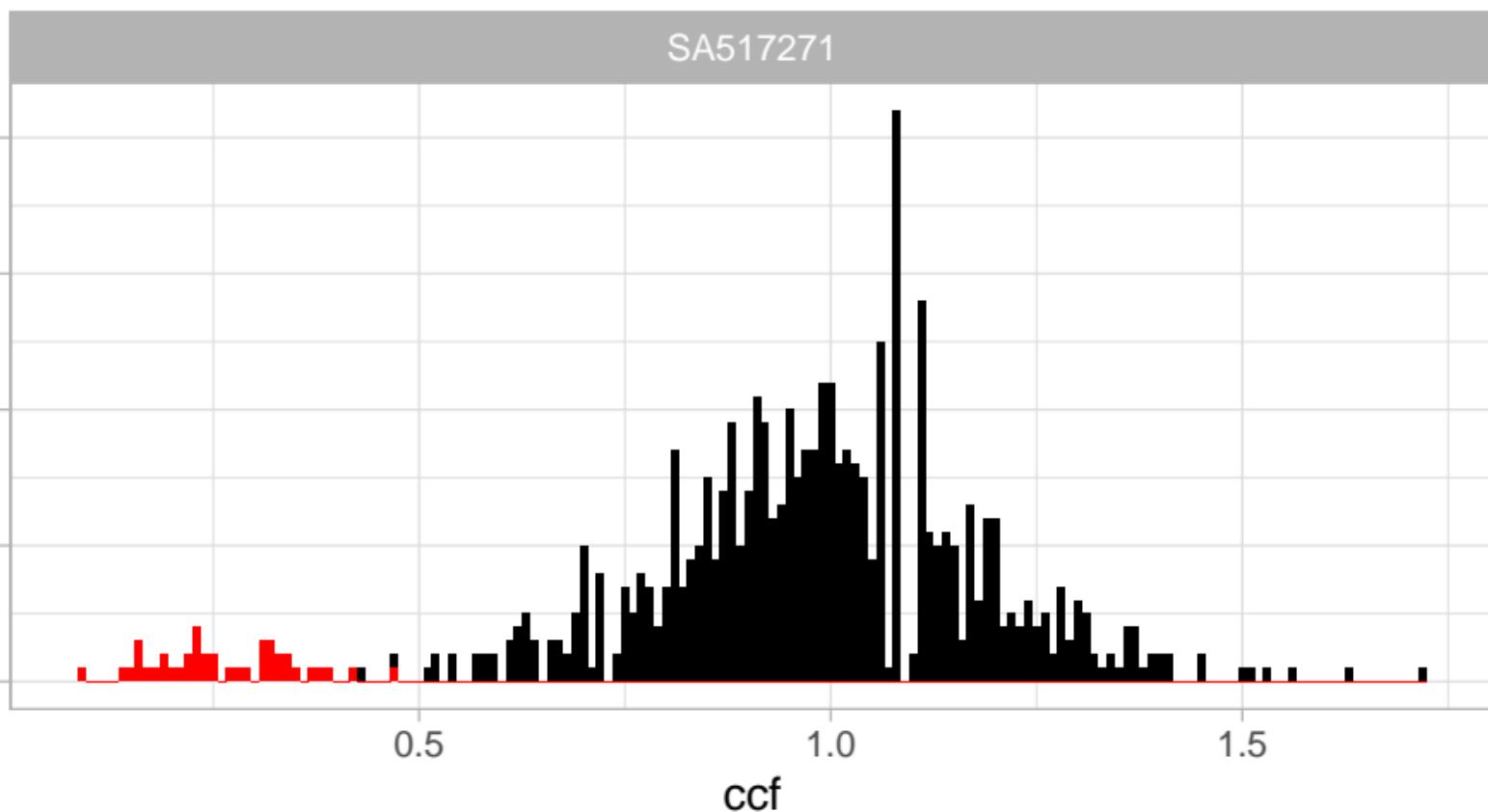
count

40
30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA501555

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533781

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530485

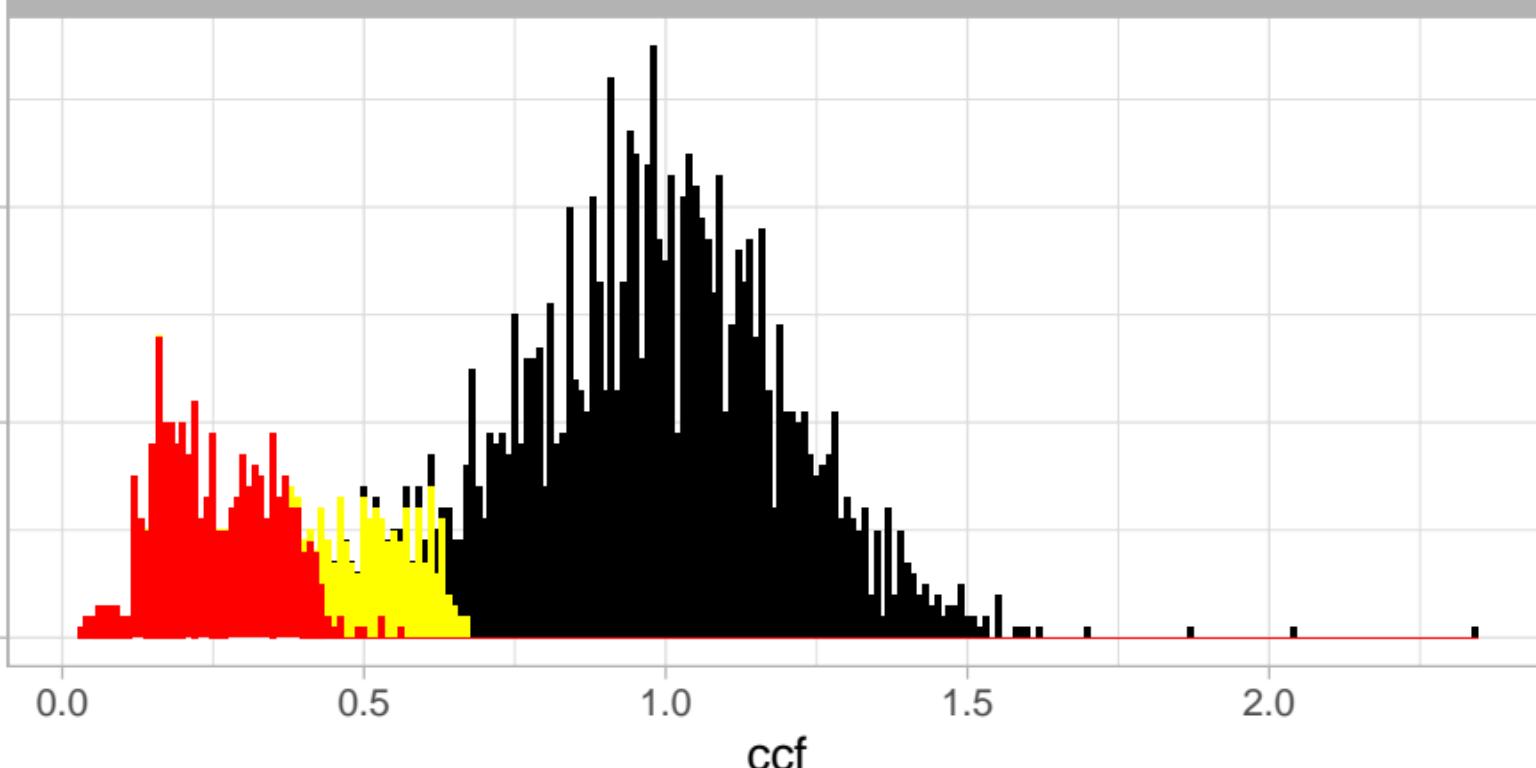
count

40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA529884

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA410997

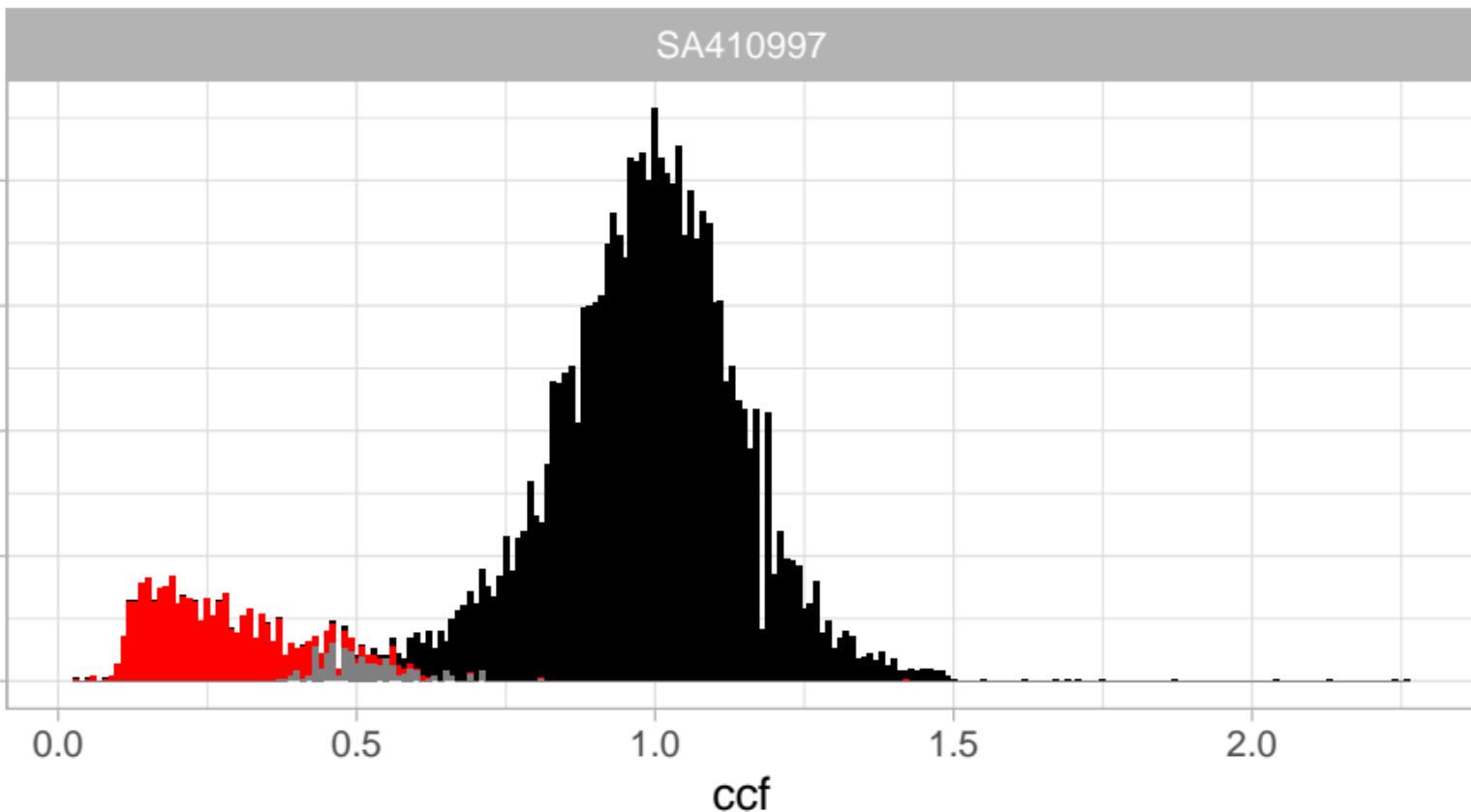
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA505328

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA407922

count

75
50
25
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA557325

count

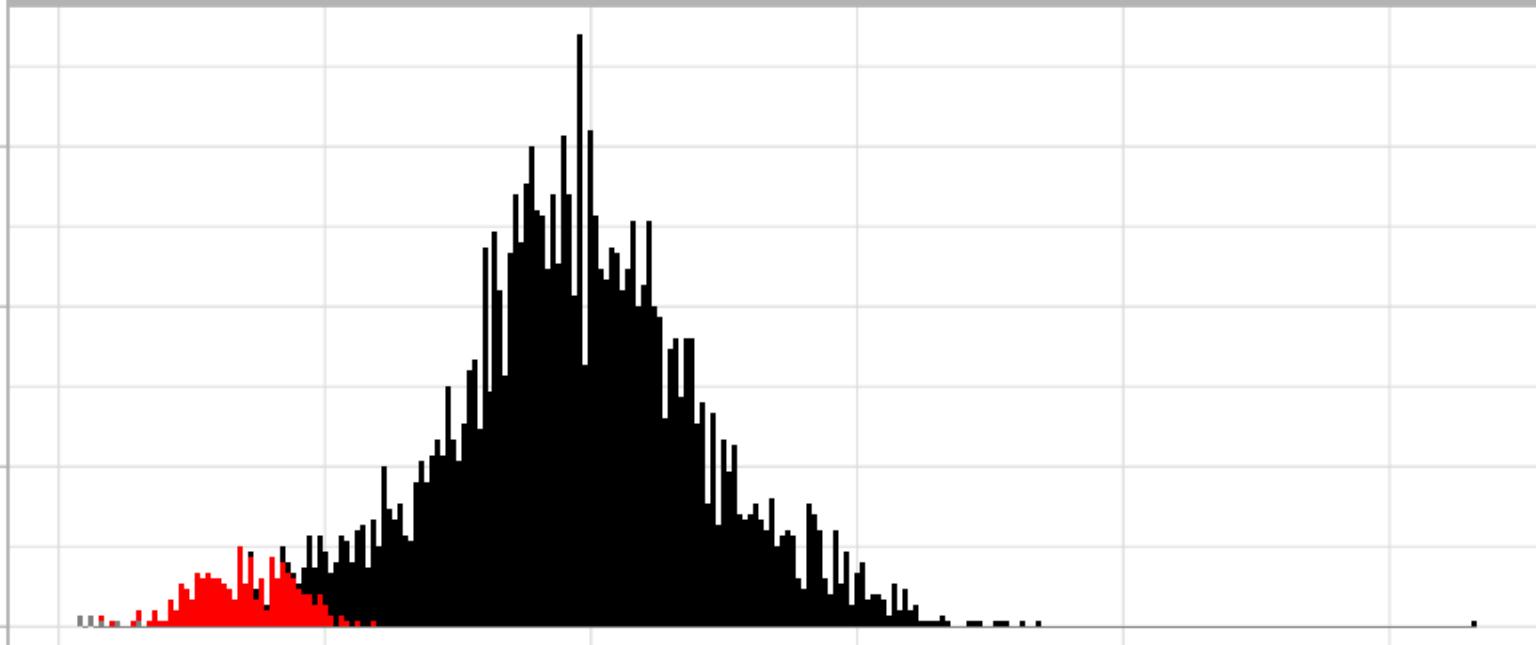
90
60
30
0

0

2

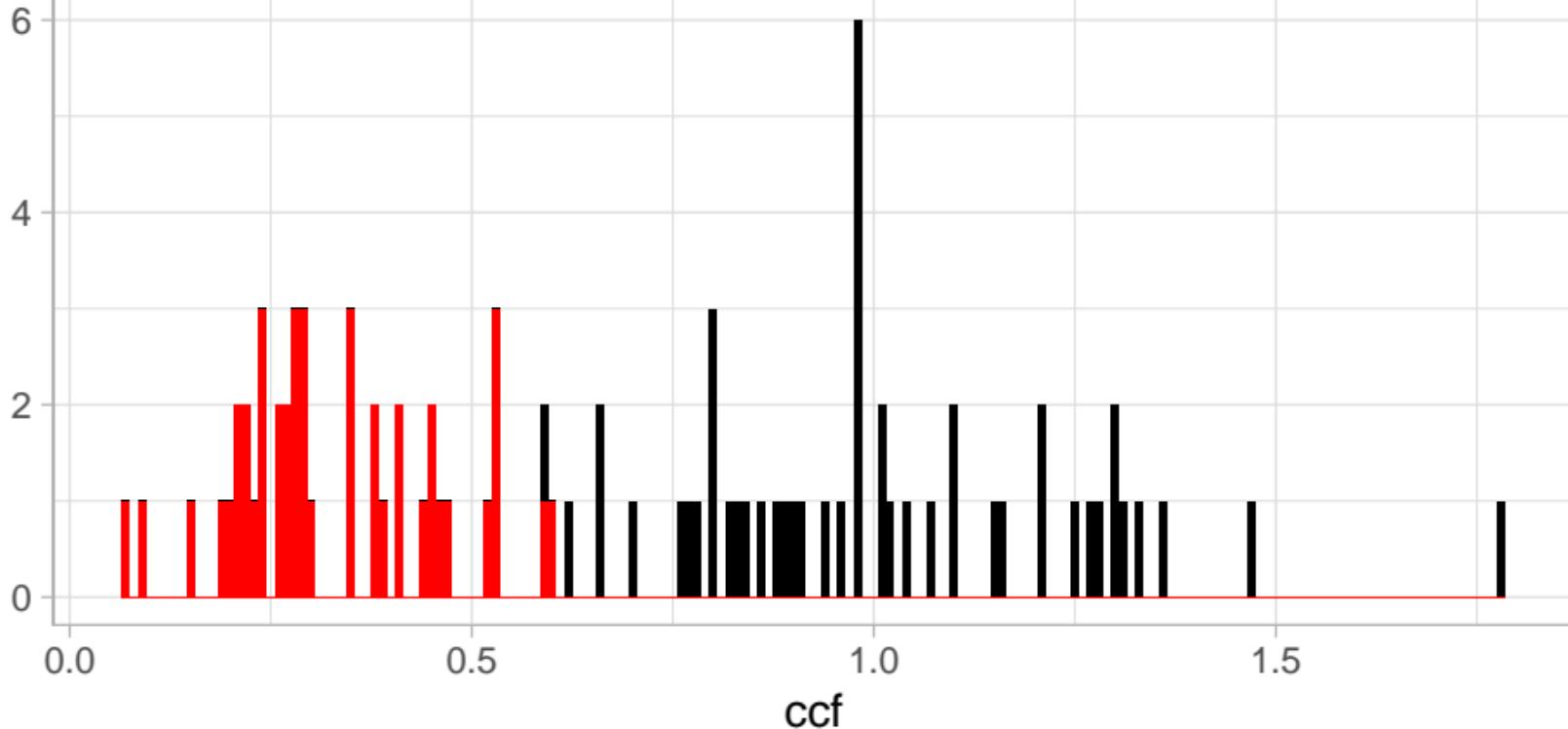
ccf

cluster tail clonal subclonal



SA413582

count



cluster tail clonal subclonal

SA507357

count

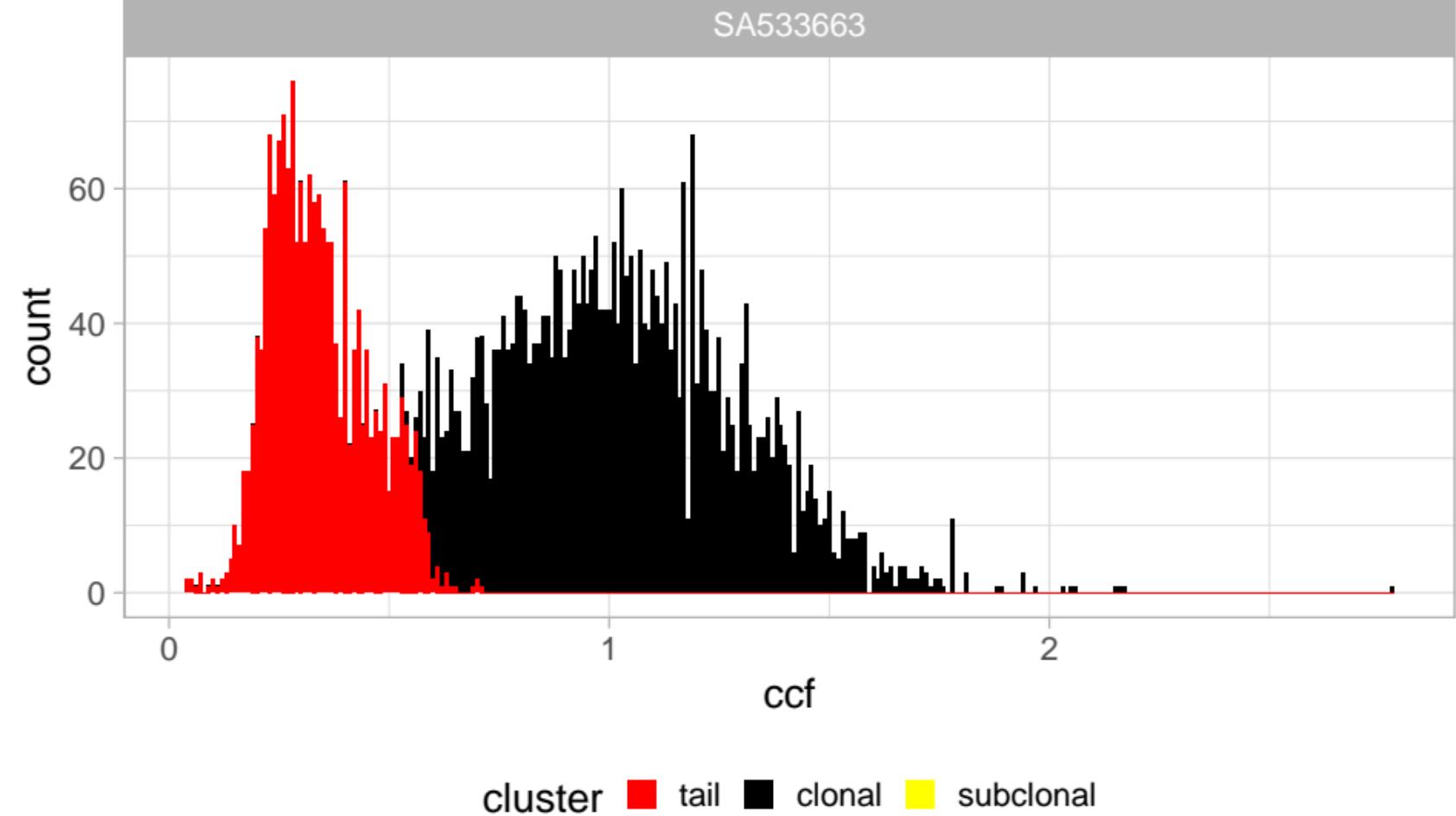
900
600
300
0

0 1 2 3

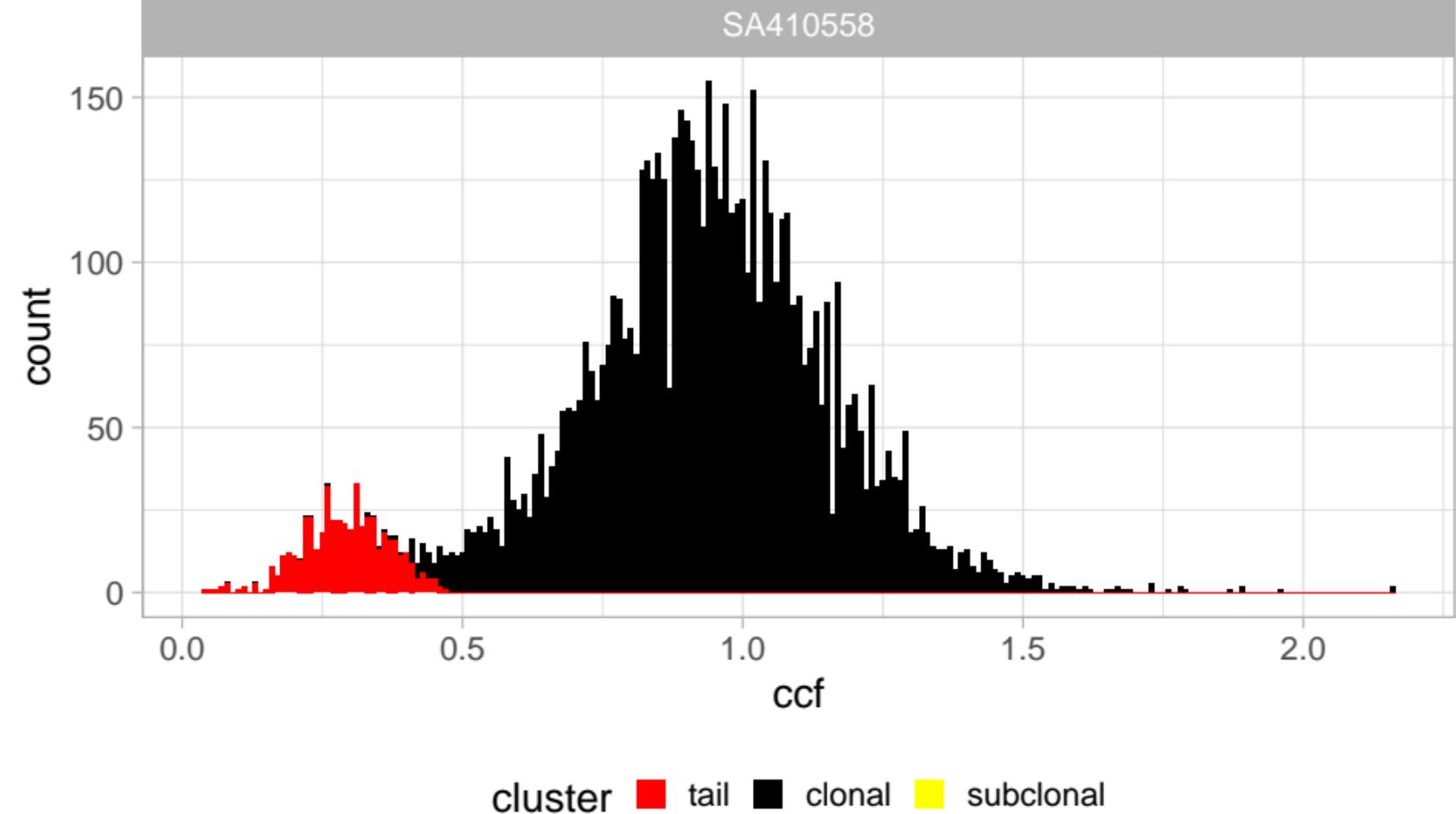
ccf

cluster tail clonal subclonal

SA533663



SA410558



SA501610

count

6000
4000
2000
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA538995

count

150

100

50

0

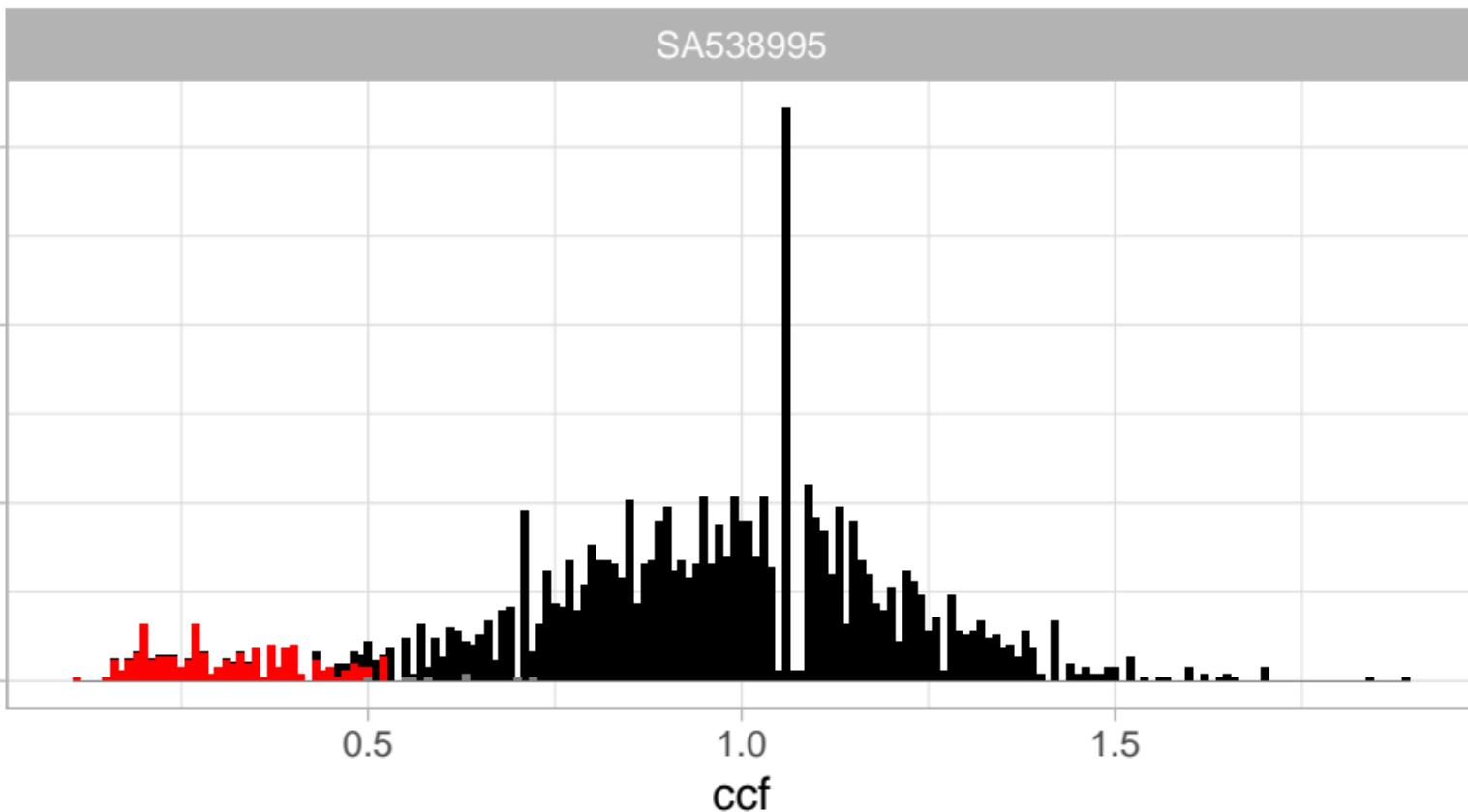
0.5

1.0

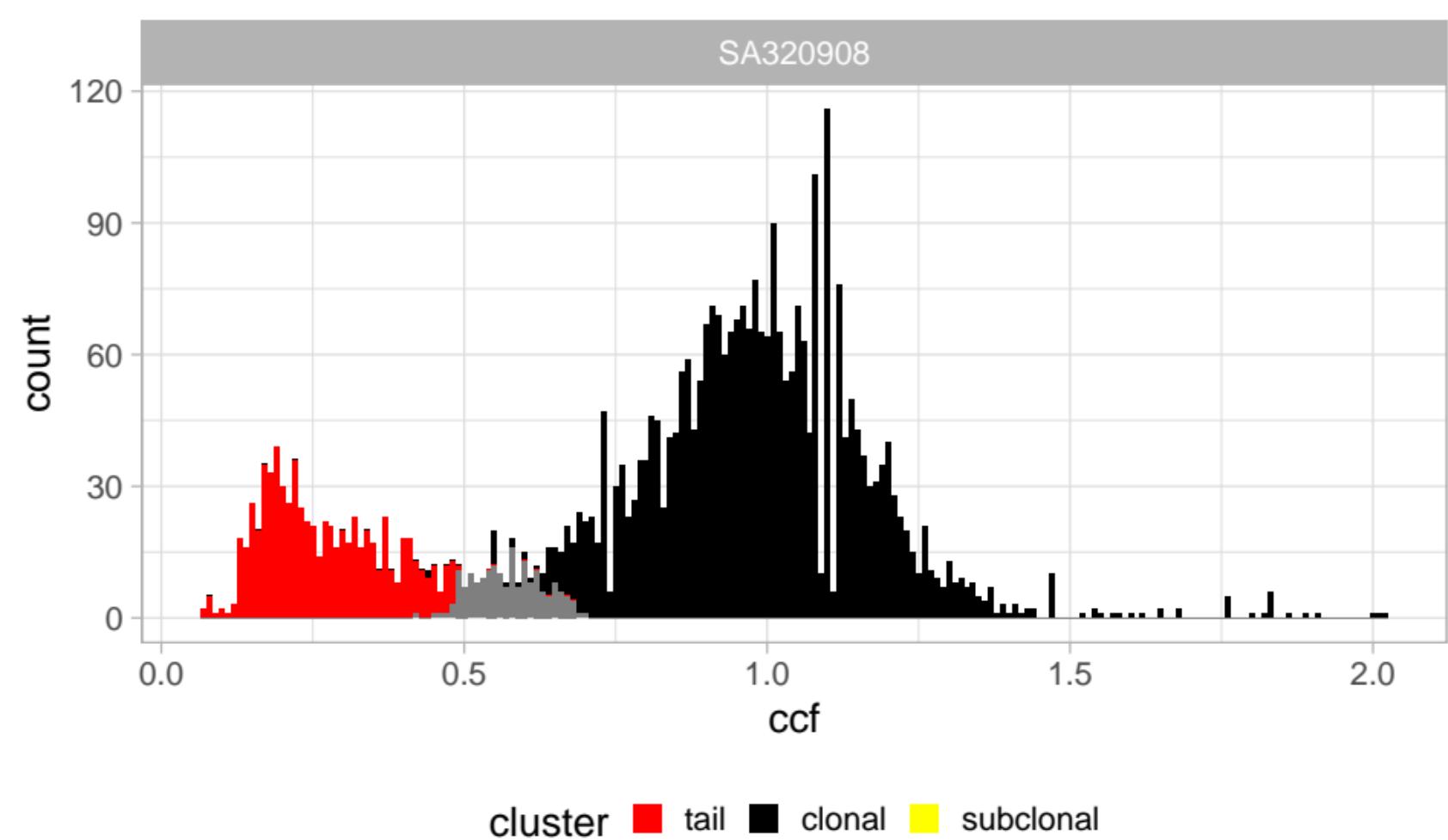
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA320908



SA501415

count

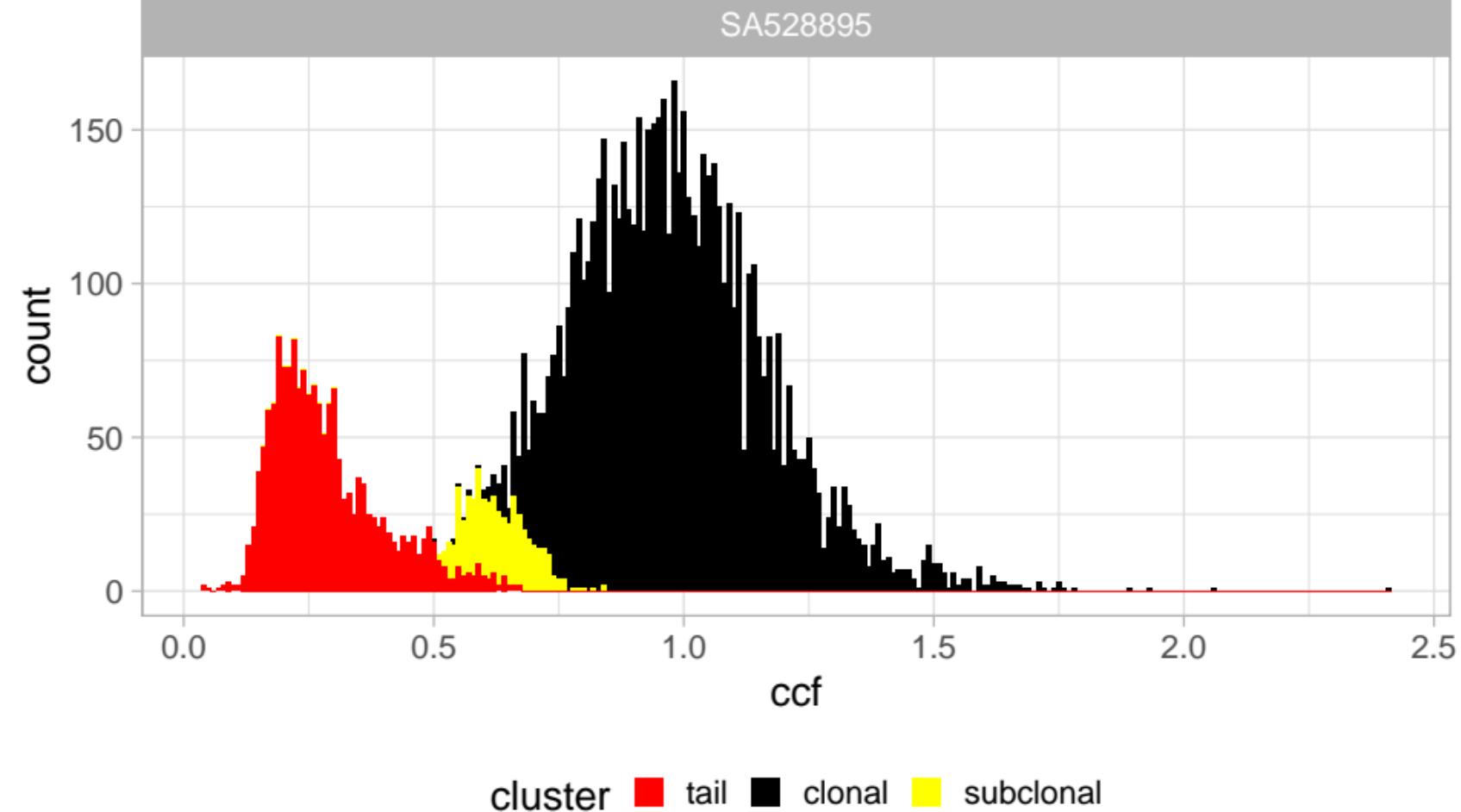
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA528895



SA518664

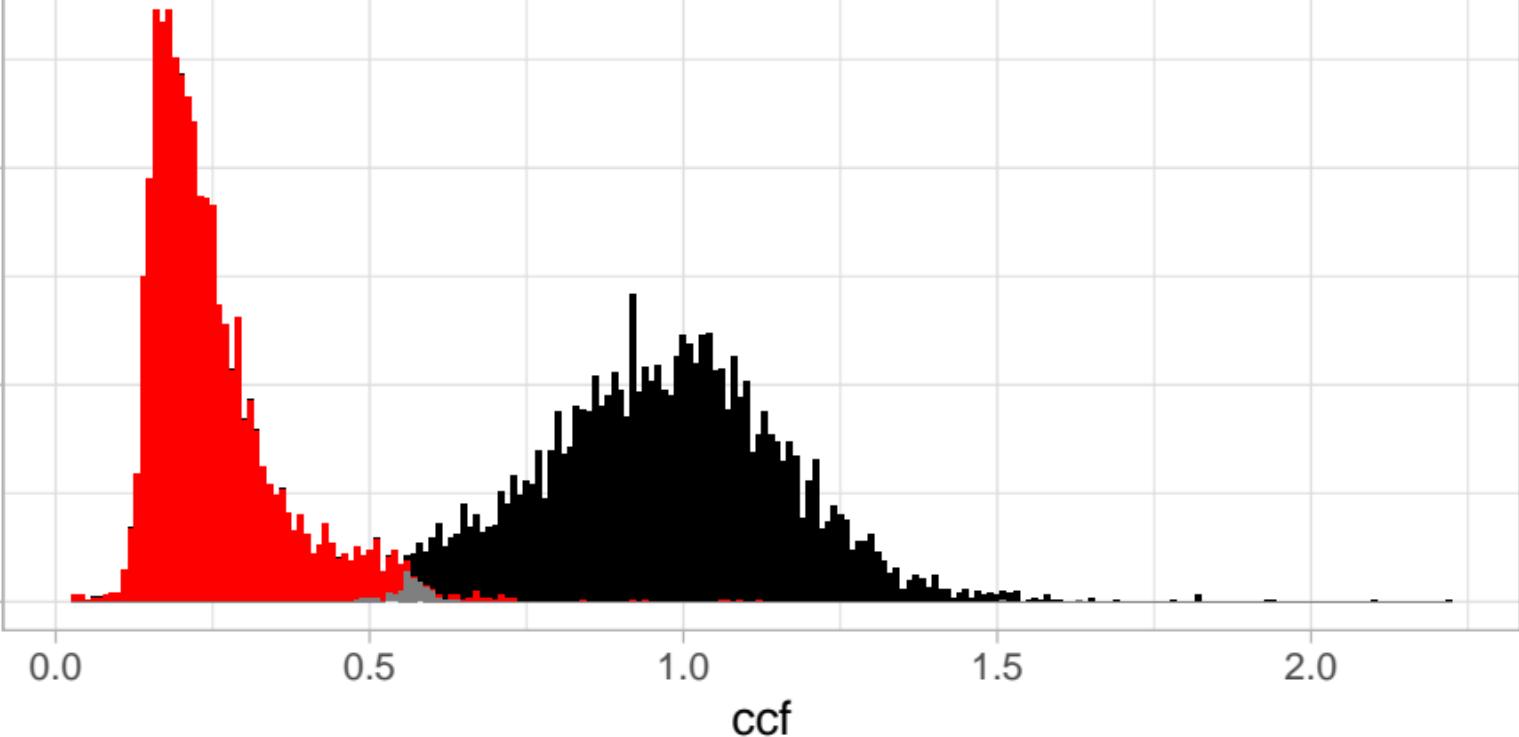
count

200
100
0

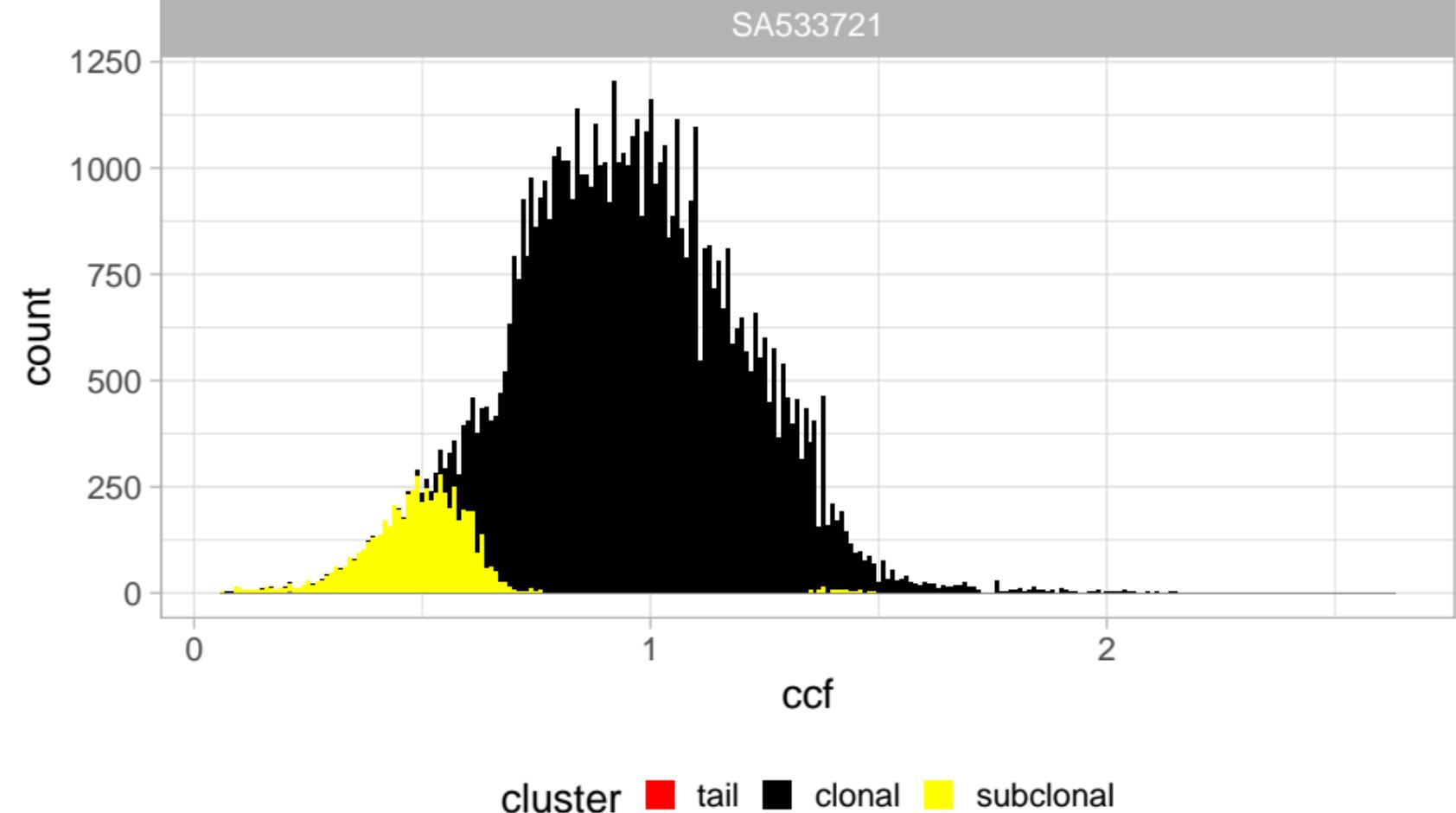
0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533721



SA530426

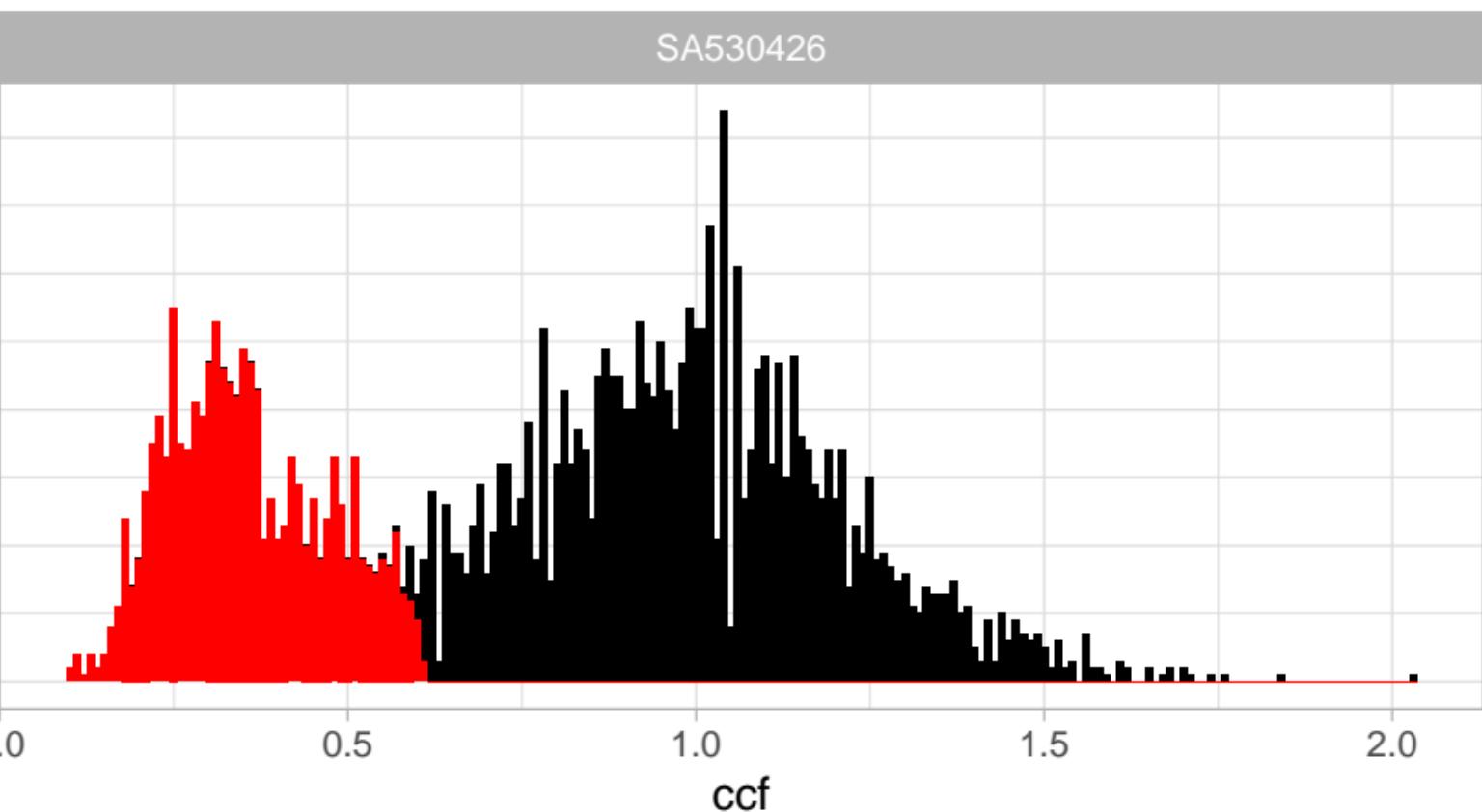
count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

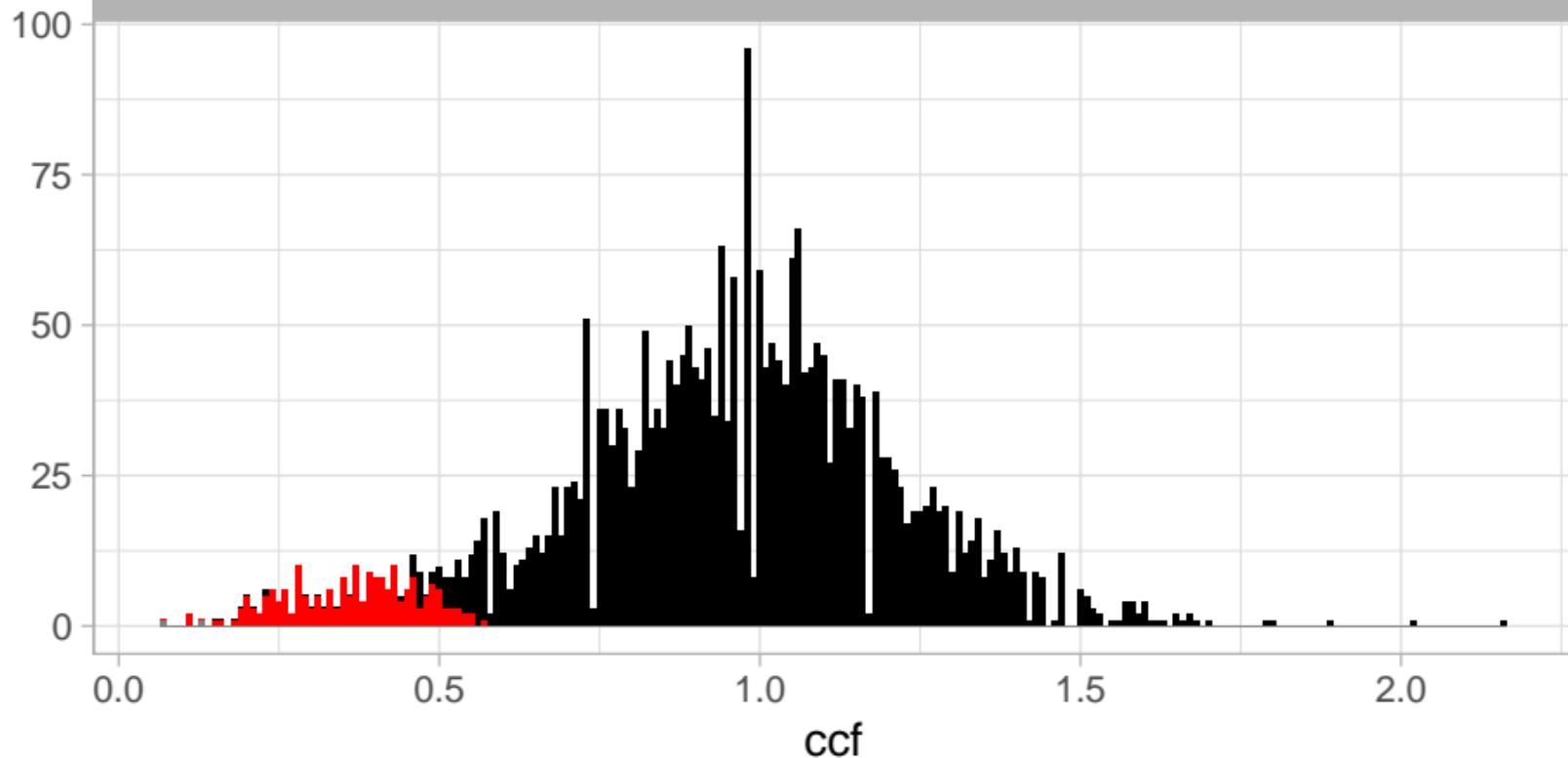
ccf

cluster tail clonal subclonal



SA501618

count



cluster ■ tail ■ clonal ■ subclonal

SA570861

count

100

50

0

0.0

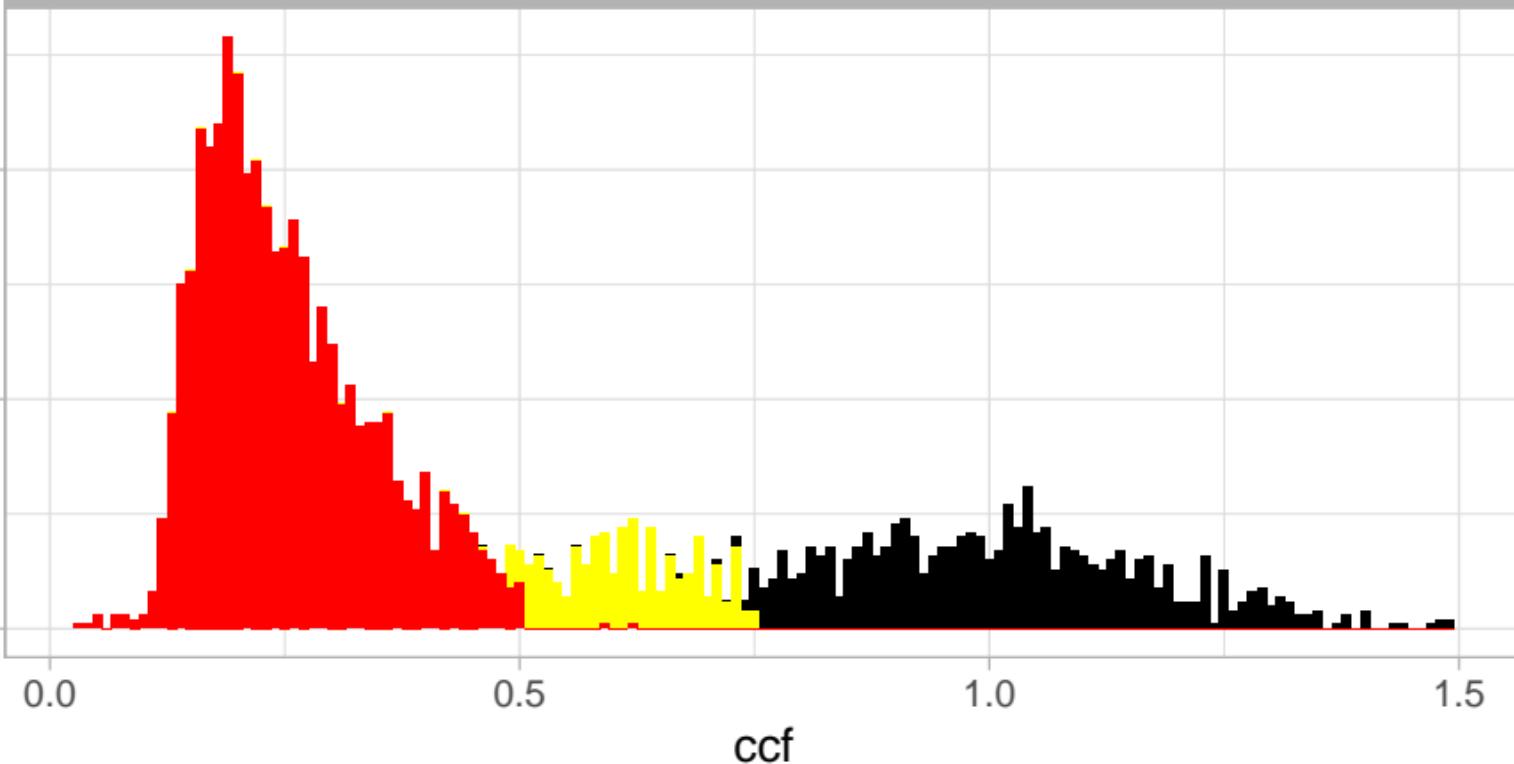
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA86696

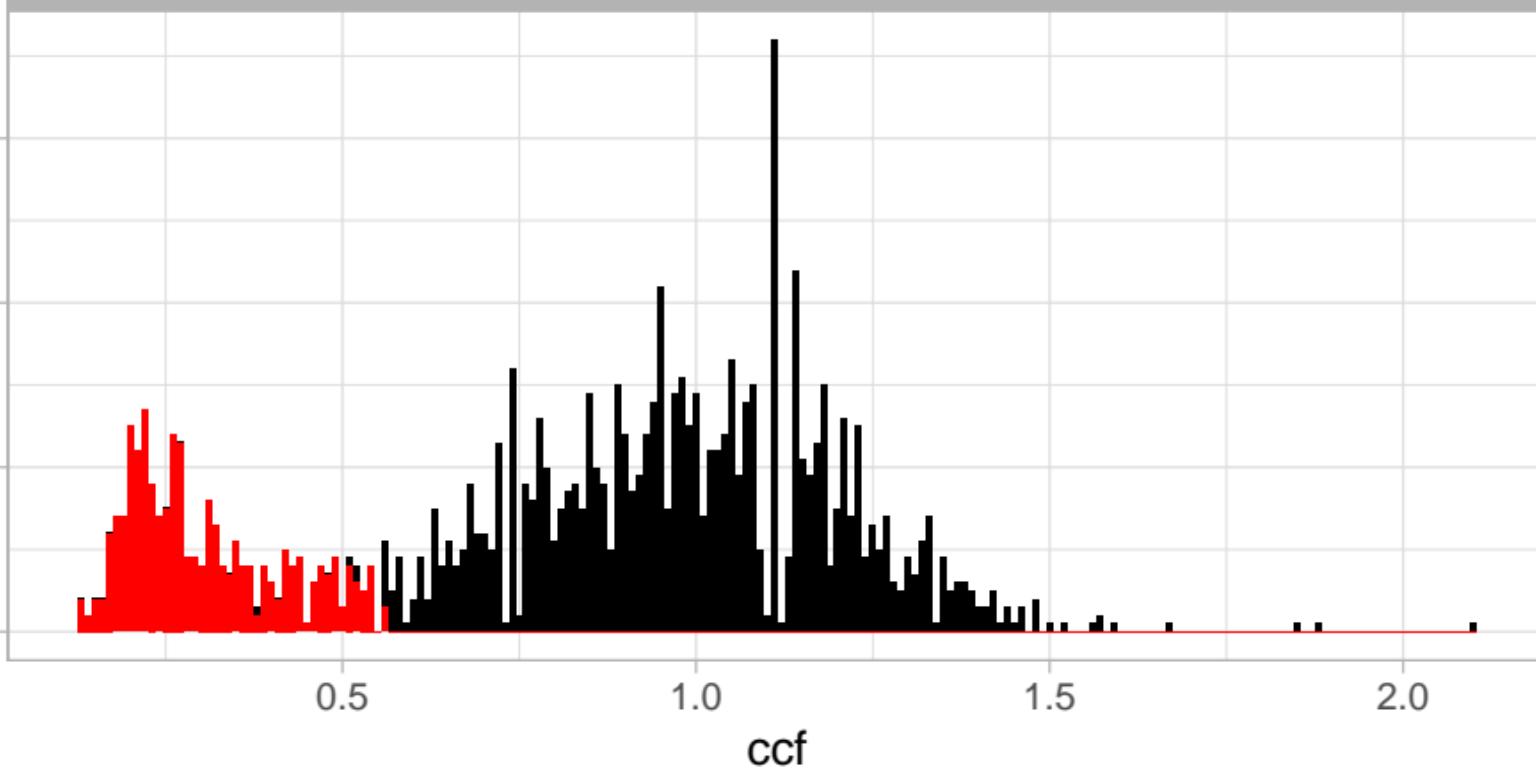
count

60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA543685

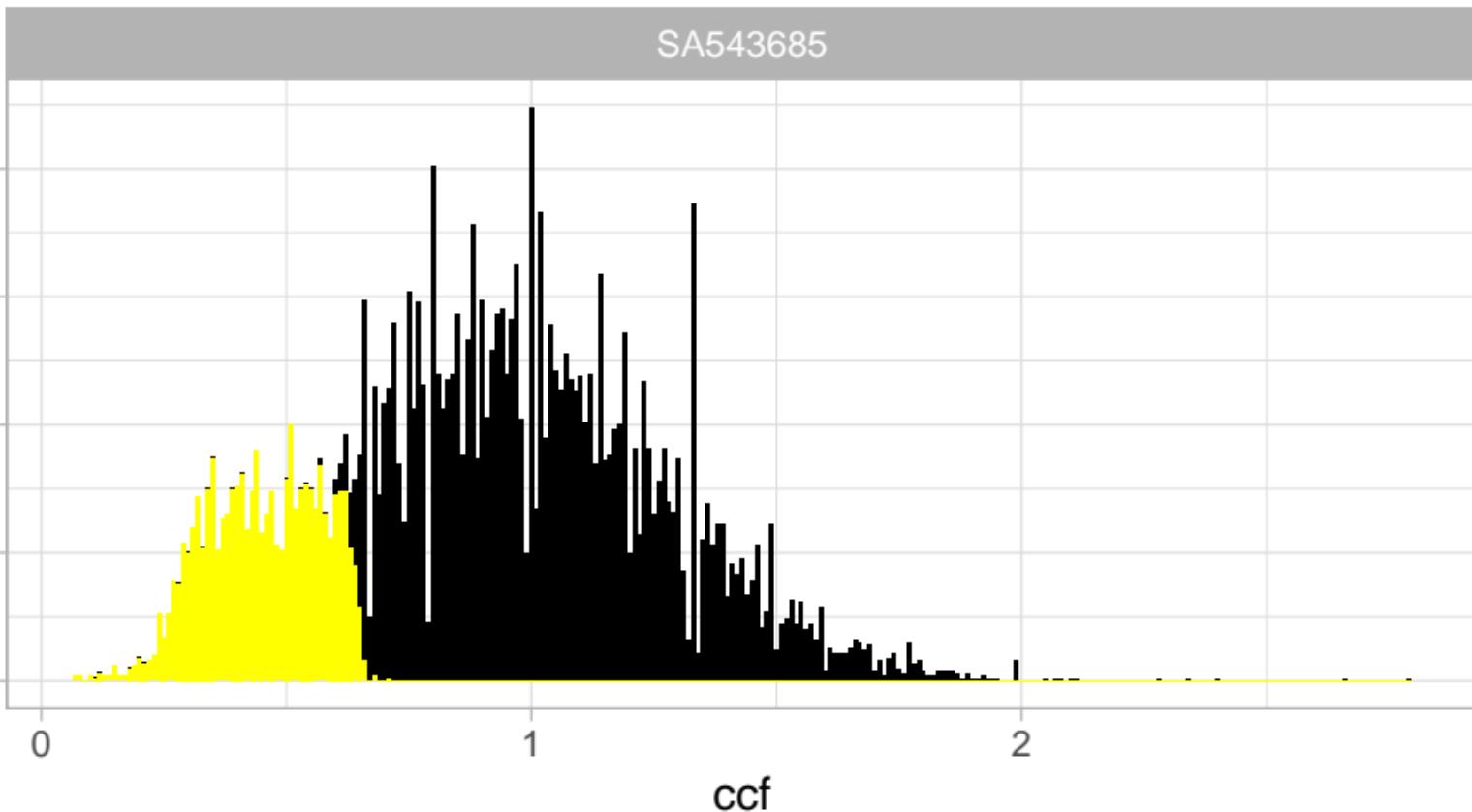
count

200
150
100
50
0

0 1 2

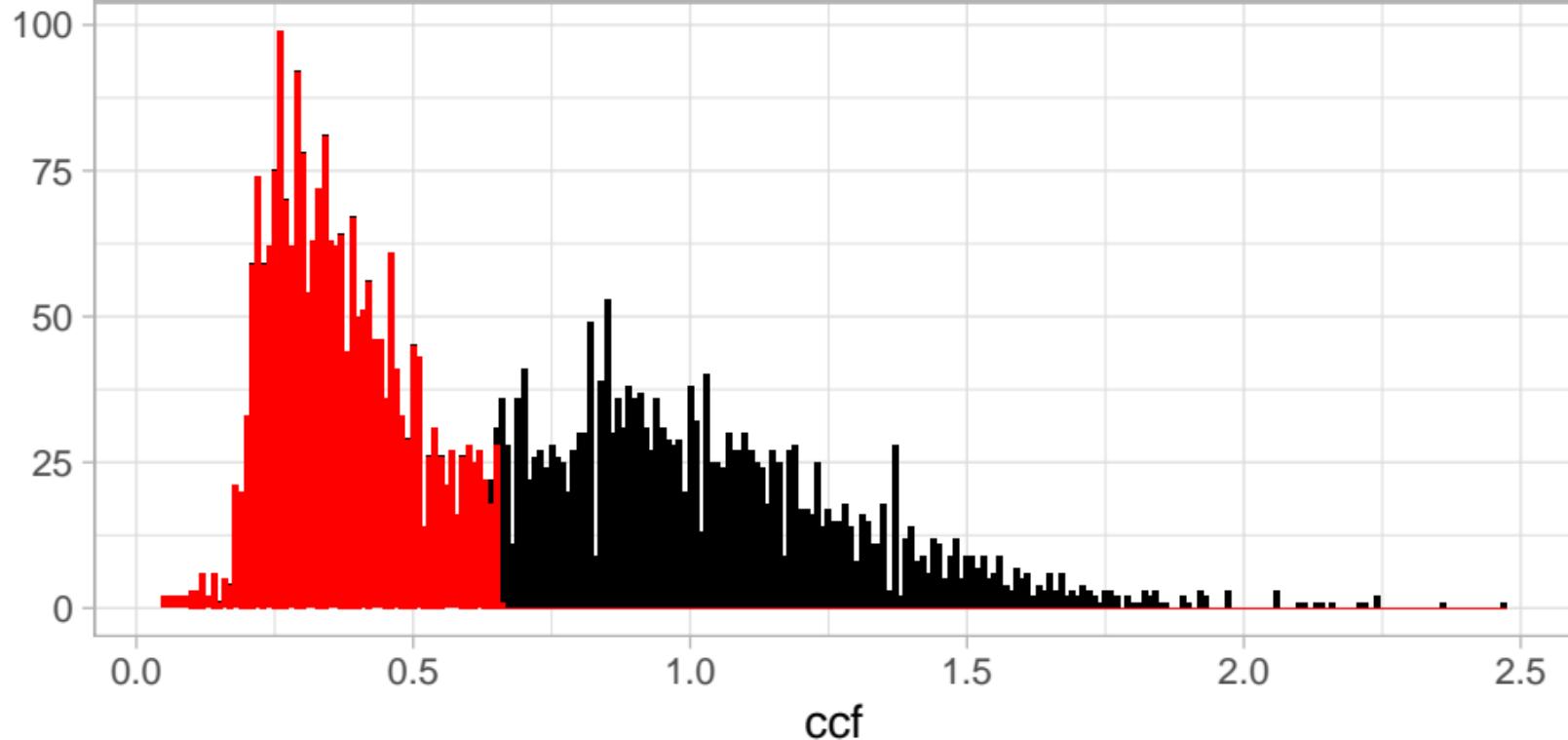
ccf

cluster tail clonal subclonal



SA530496

count



cluster ■ tail ■ clonal ■ subclonal

SA501622

count

90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA542132

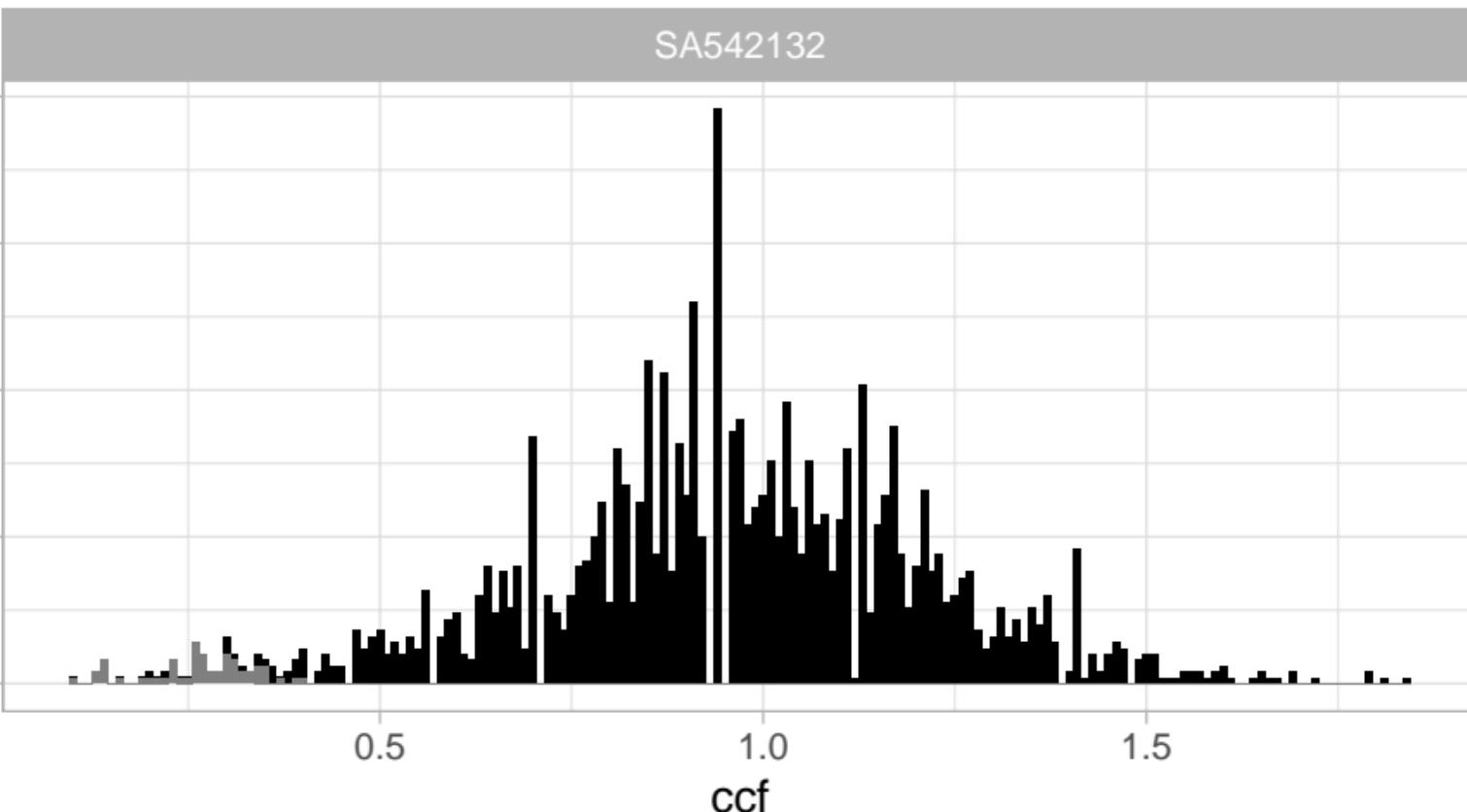
count

100
75
50
25
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA507296

count

100

50

0

0.0

0.5

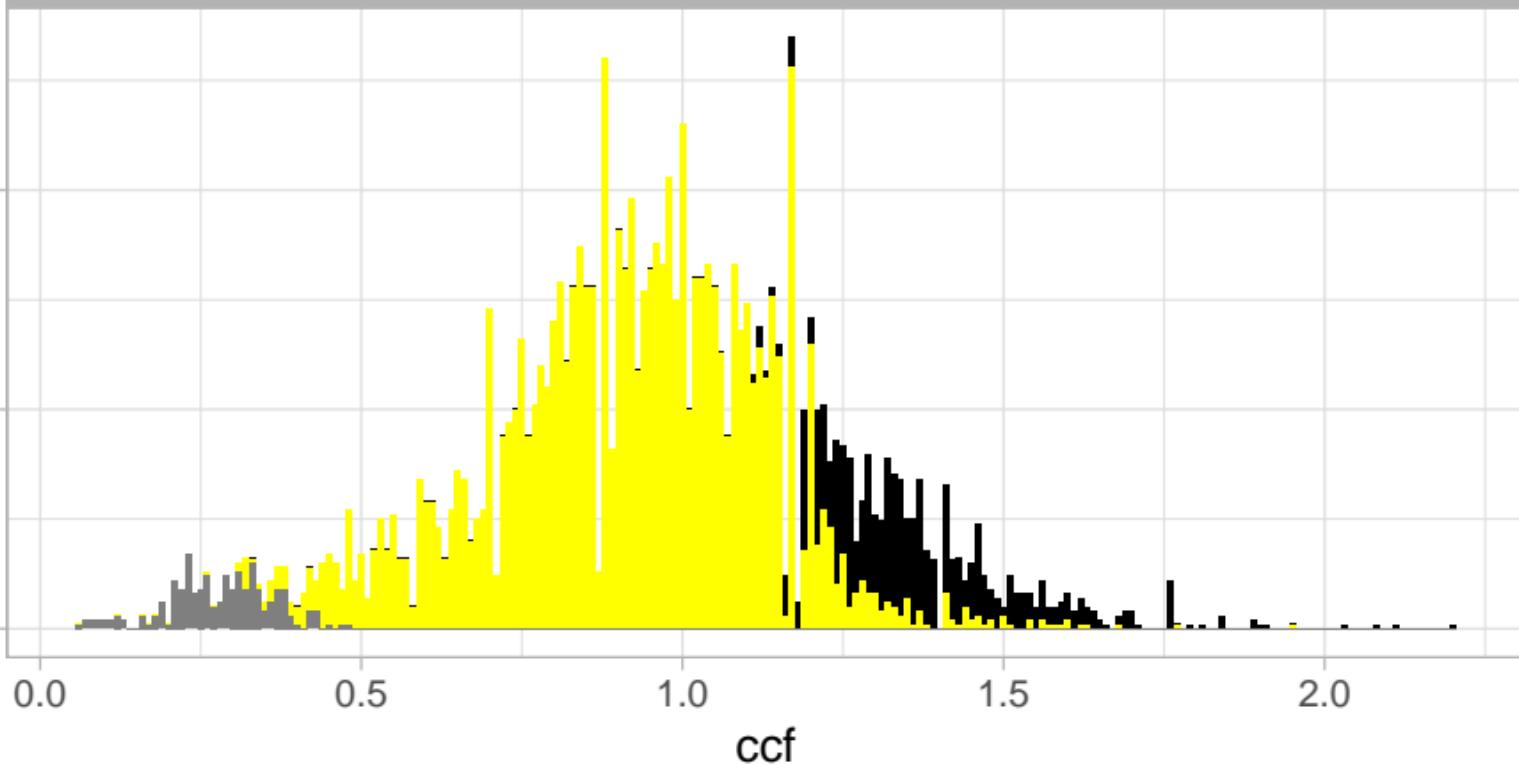
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA528943

count

500
400
300
200
100
0

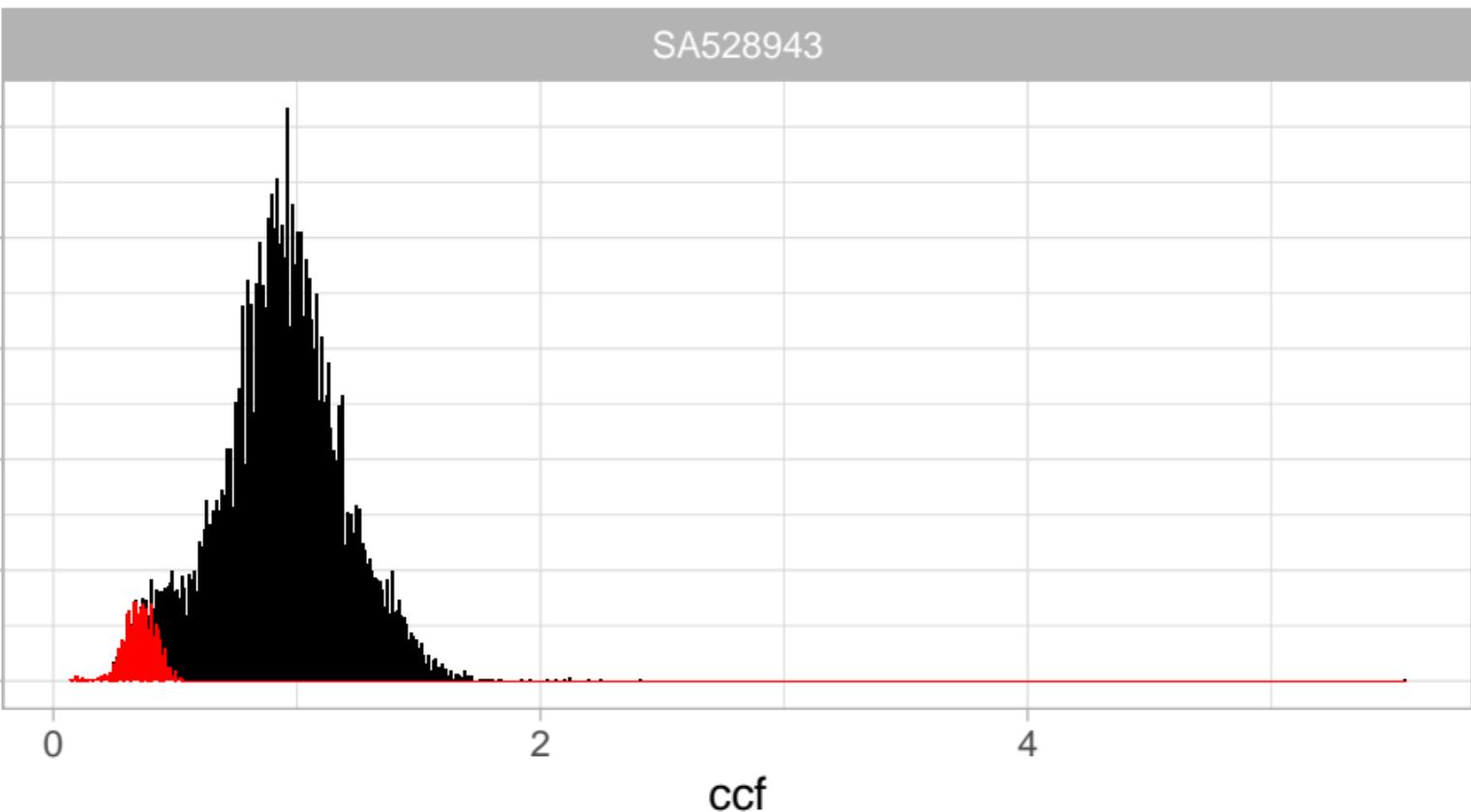
0

2

4

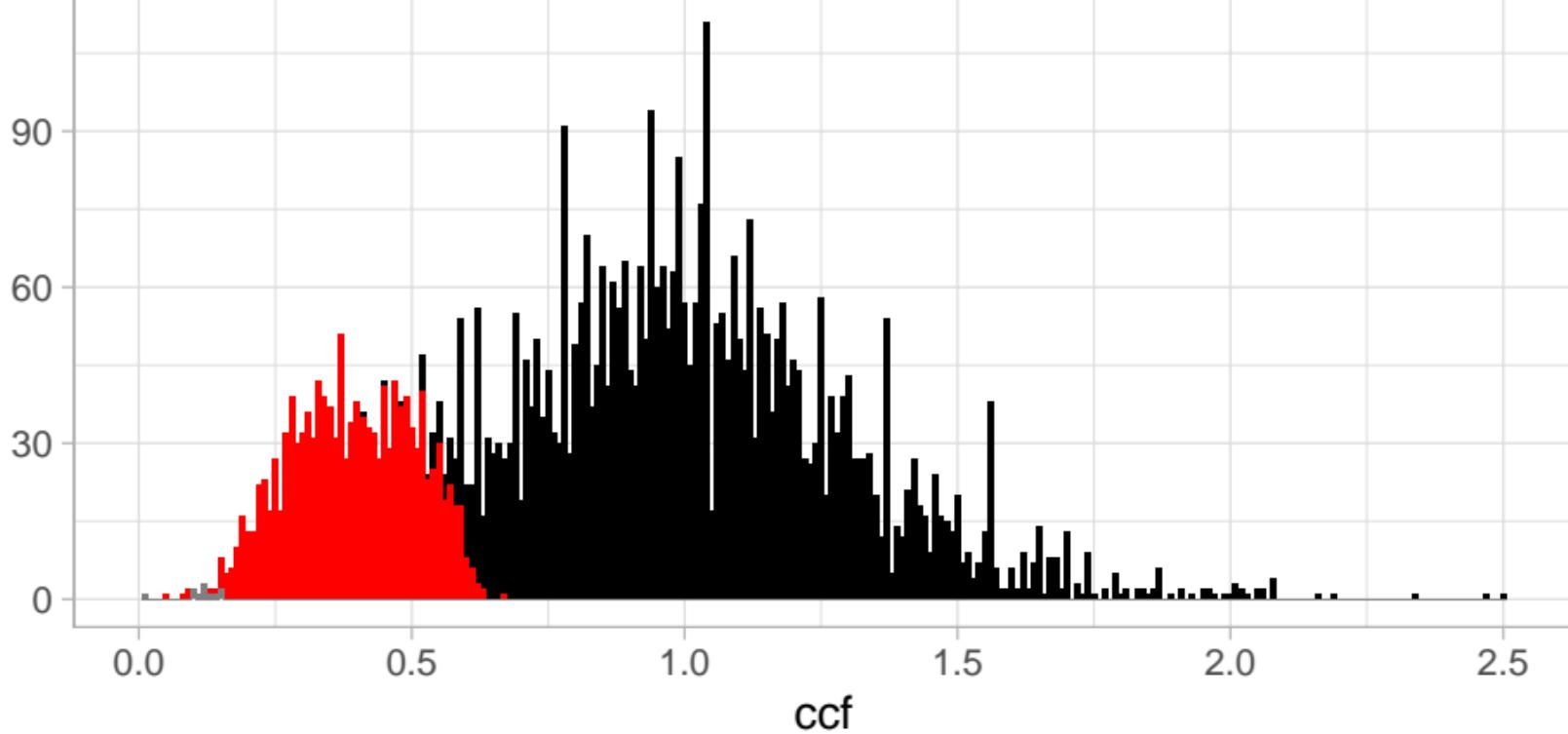
ccf

cluster ■ tail ■ clonal ■ subclonal



SA501381

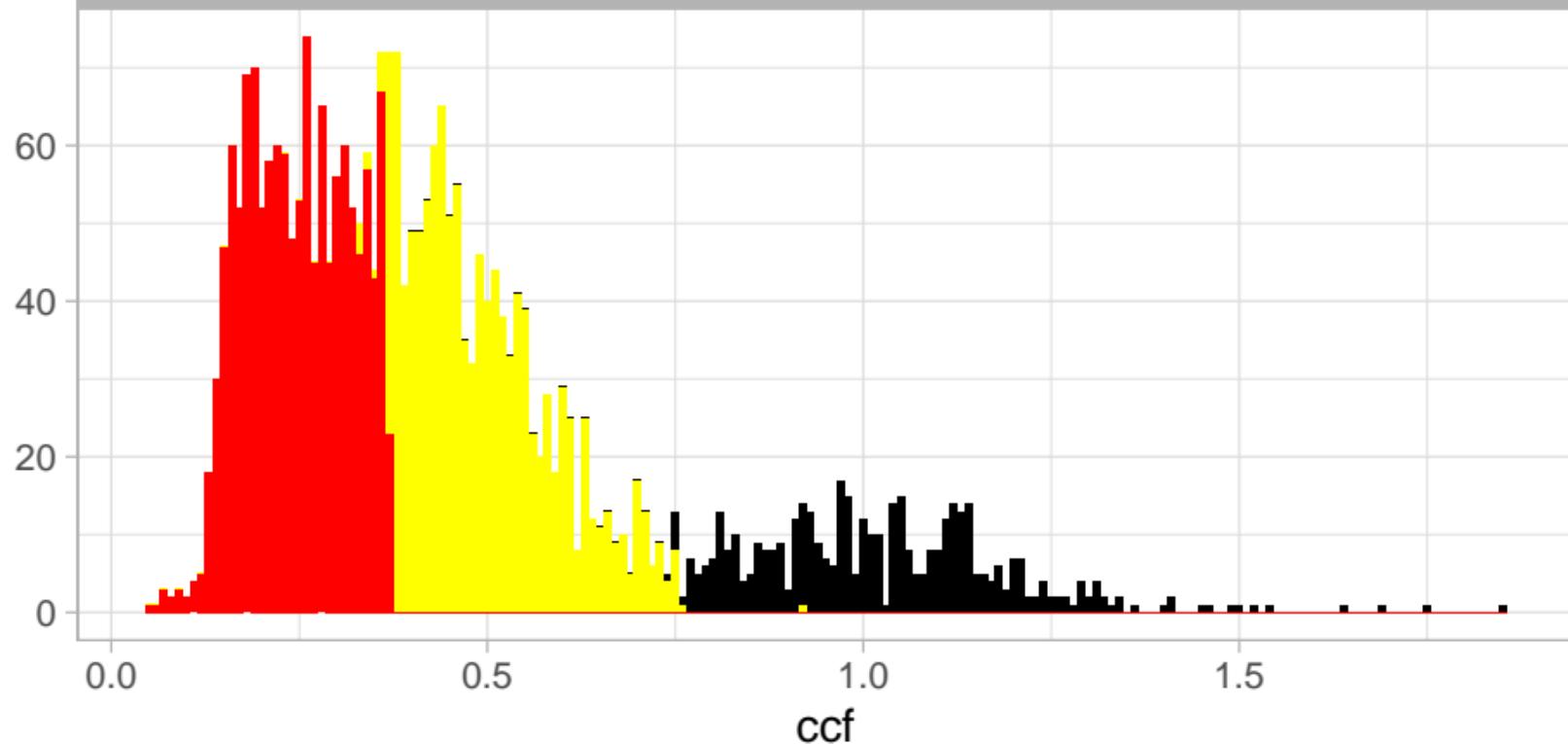
count



cluster ■ tail ■ clonal ■ subclonal

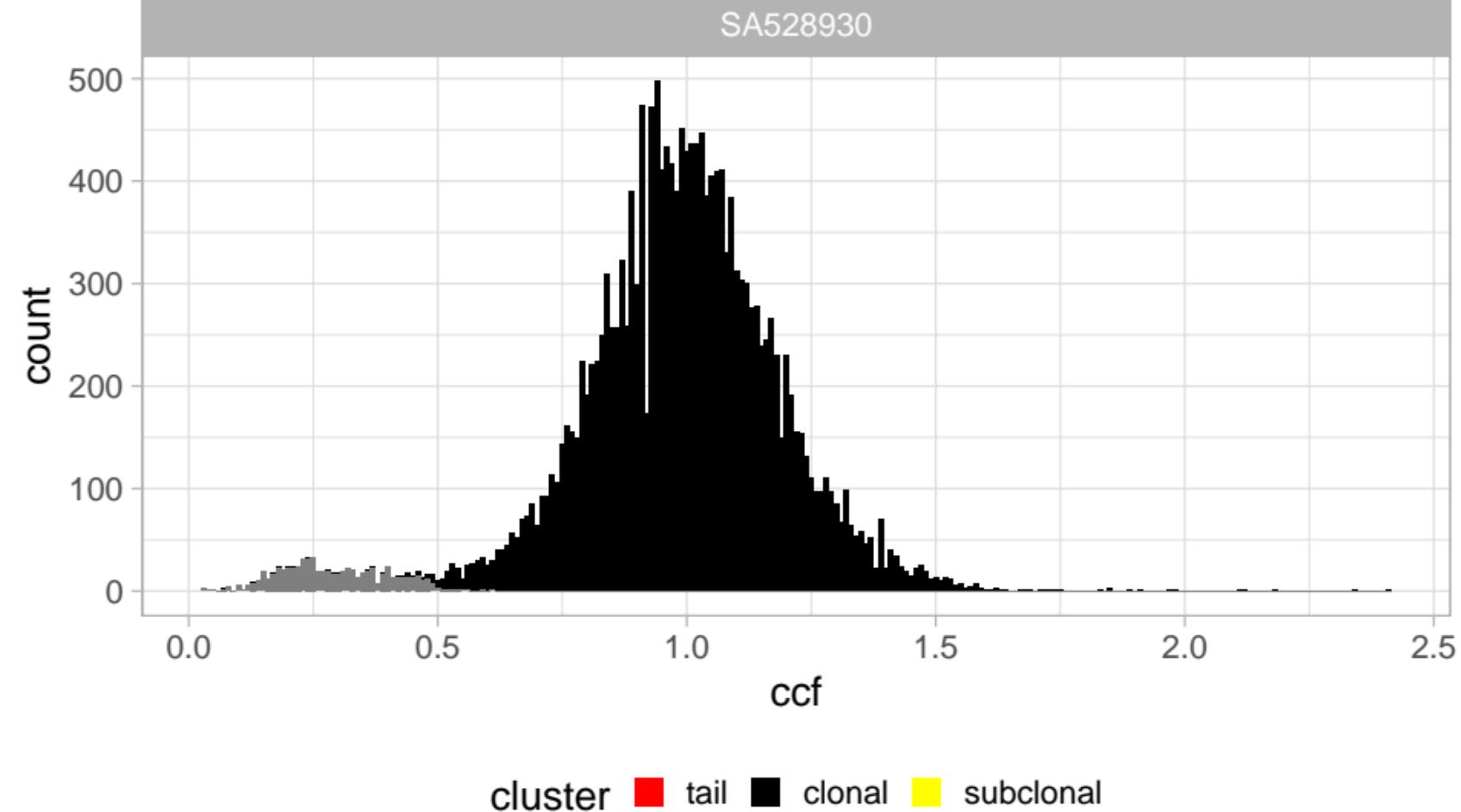
SA530473

count



cluster ■ tail ■ clonal ■ subclonal

SA528930



SA506693

count

100

50

0

0.0

0.5

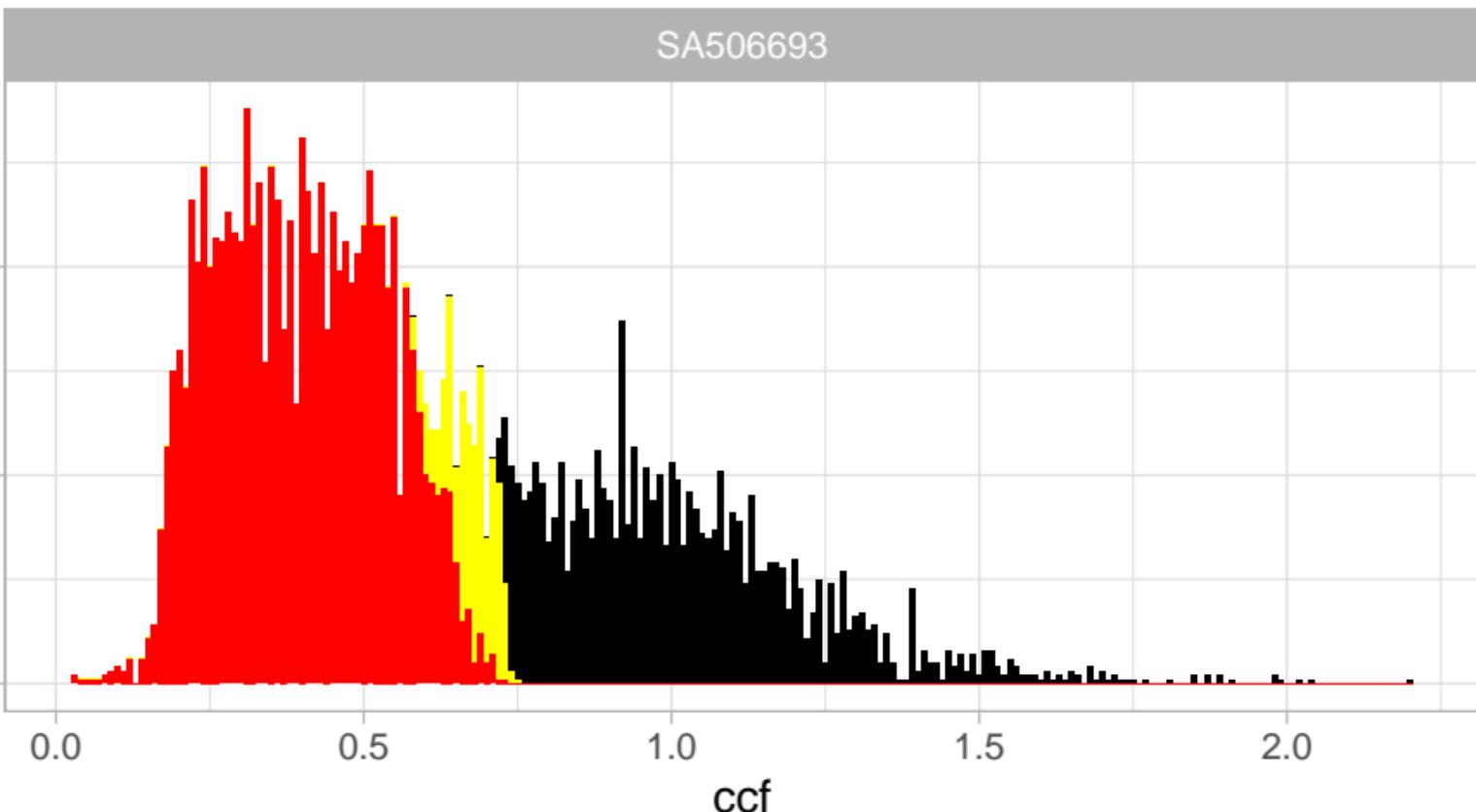
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530440

count

150

100

50

0

0

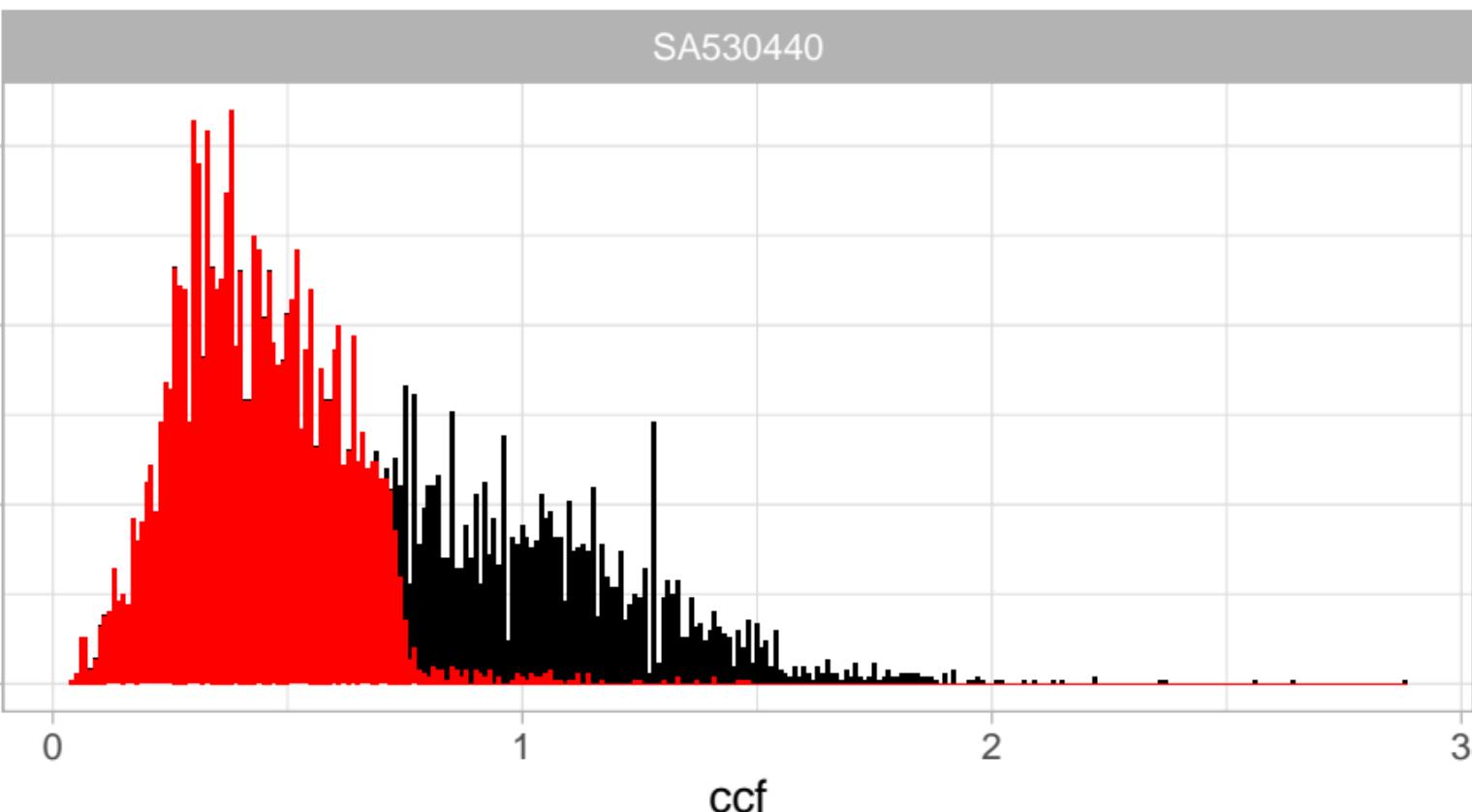
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542384

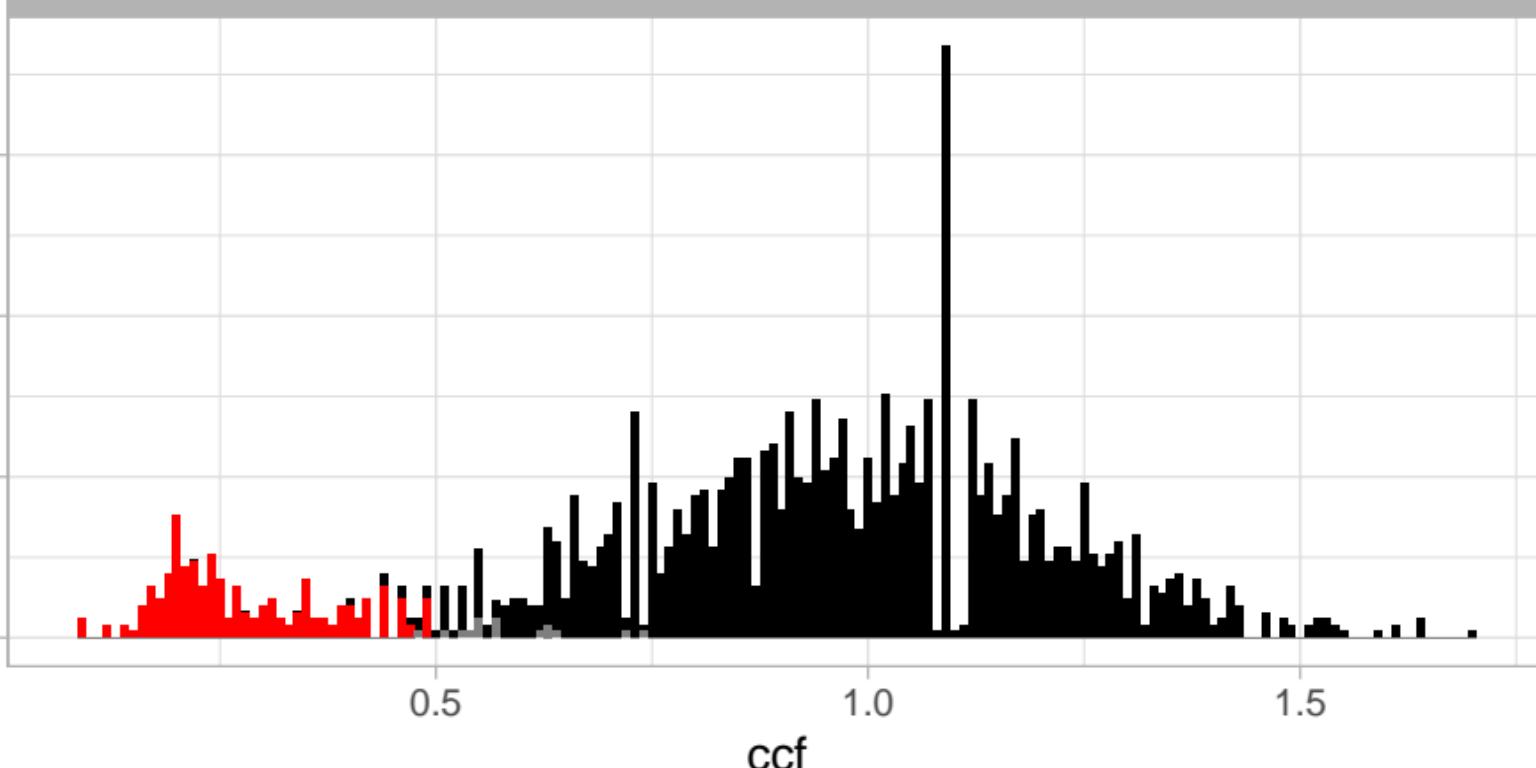
count

75
50
25
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA528754

count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA507548

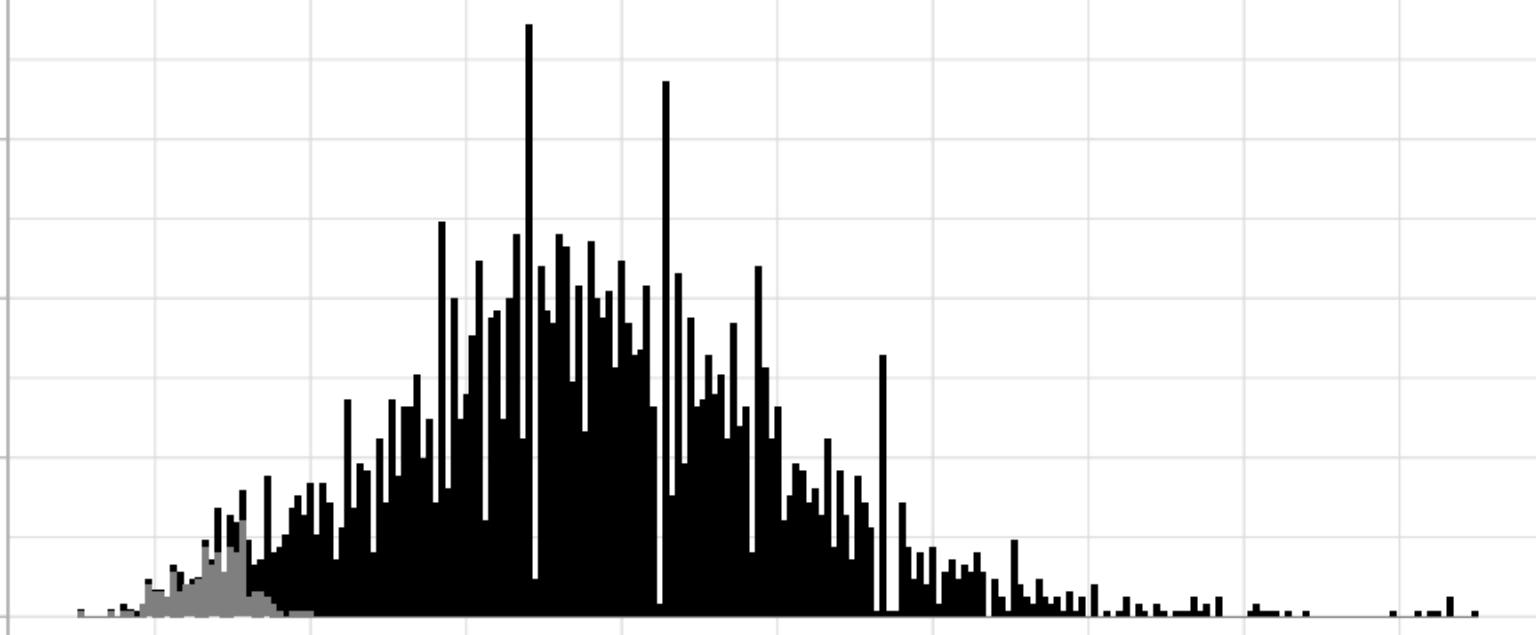
count

75
50
25
0

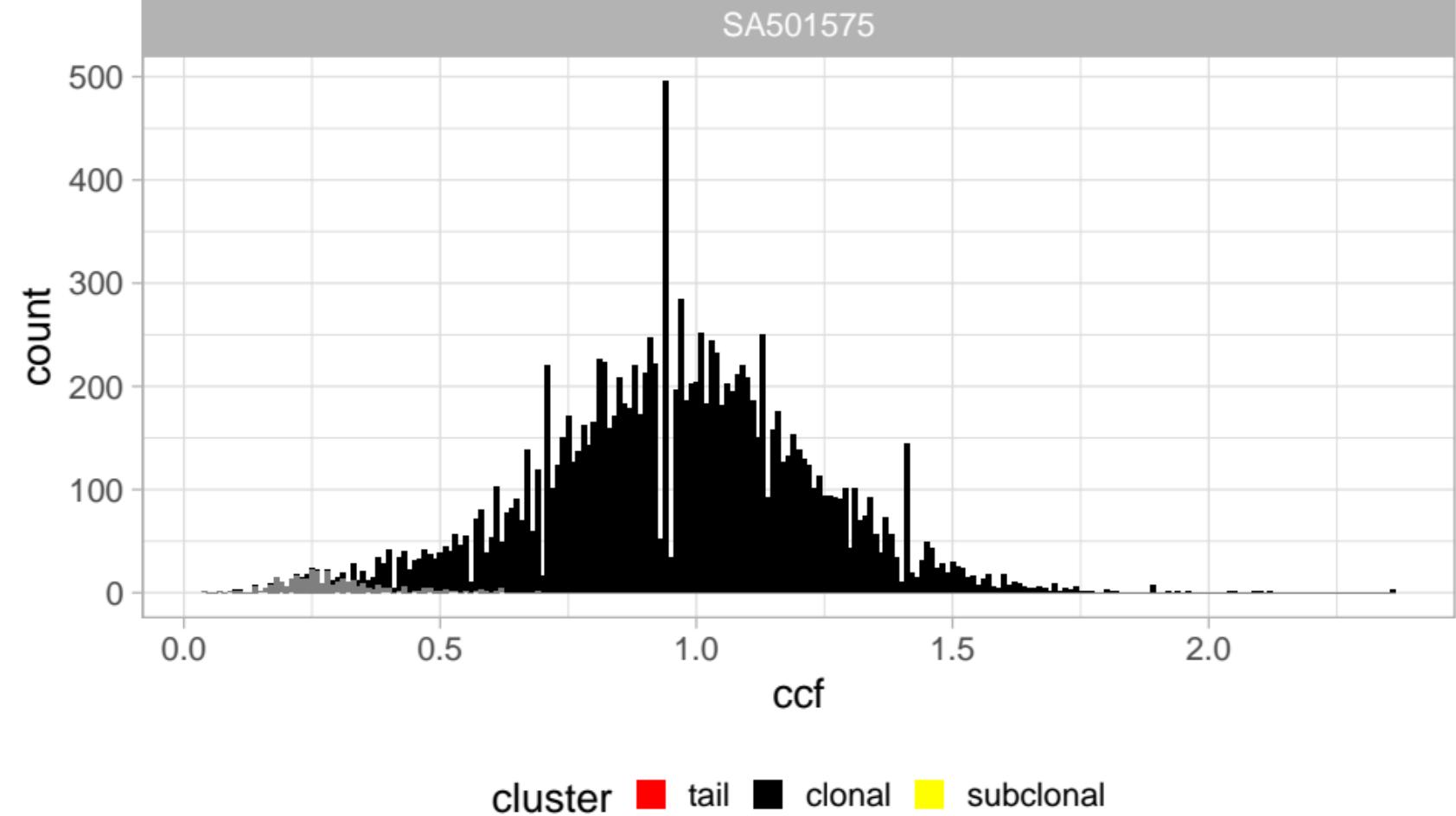
ccf

cluster tail clonal subclonal

0.5 1.0 1.5 2.0

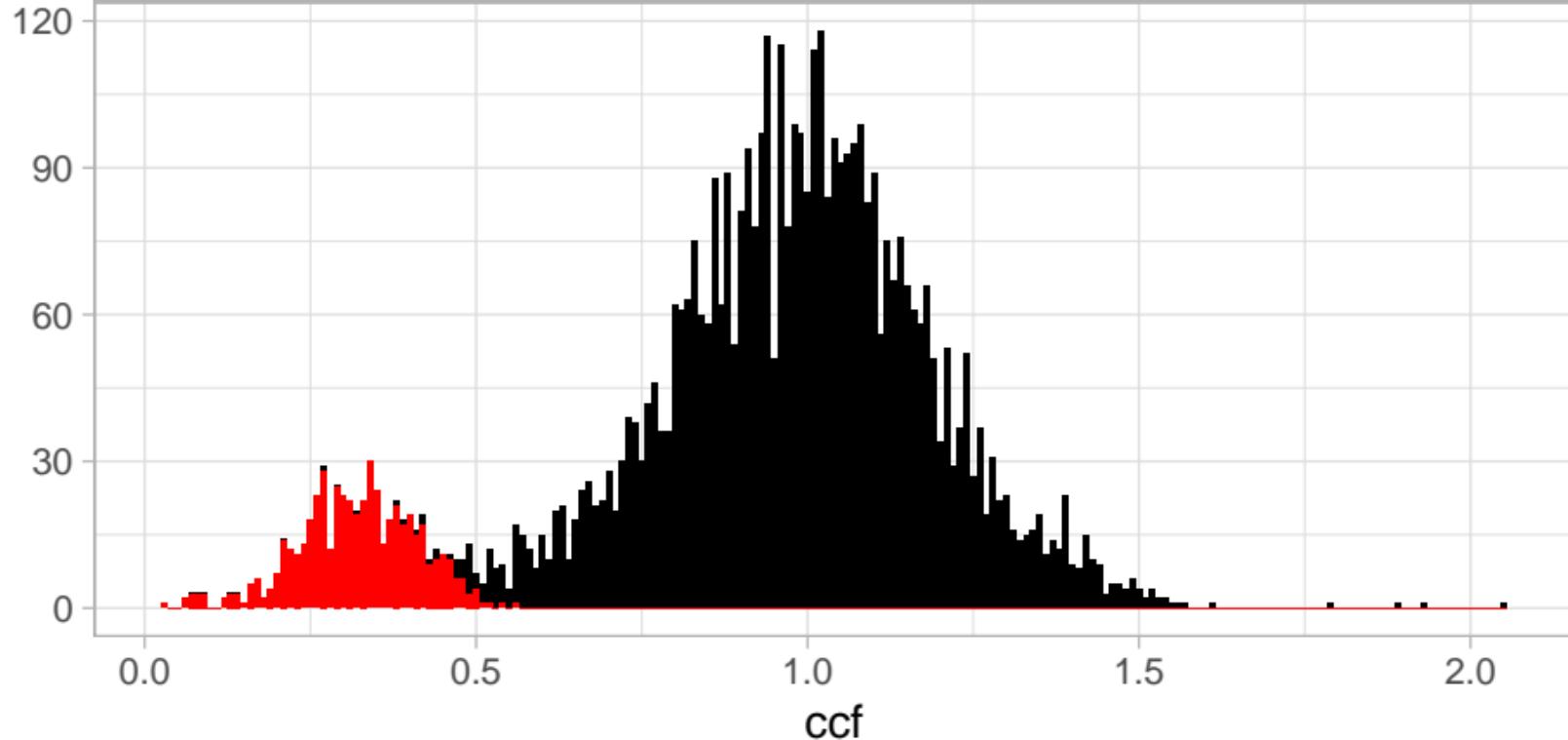


SA501575



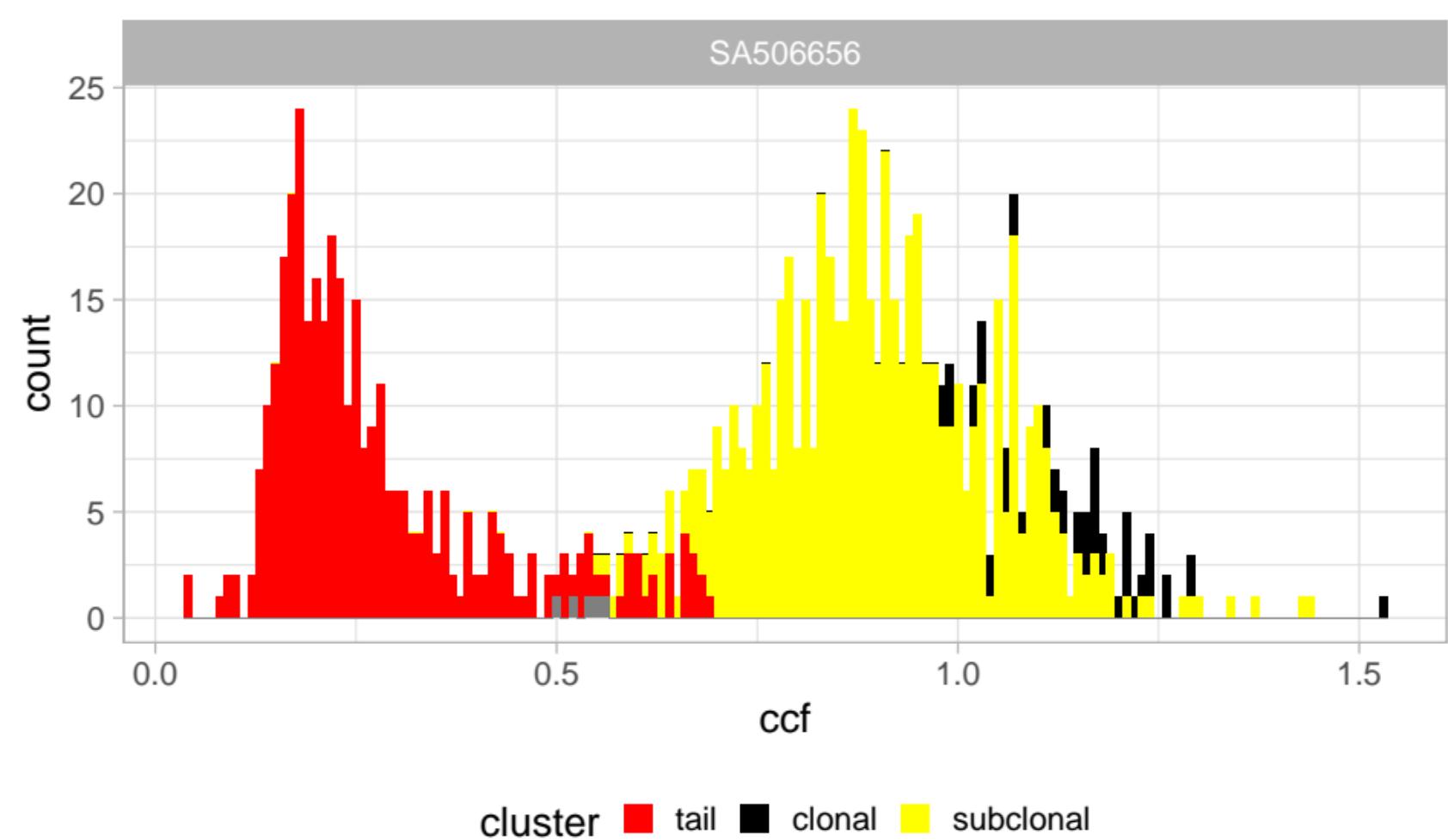
SA533668

count



cluster ■ tail ■ clonal ■ subclonal

SA506656



SA130963

count

1500

1000

500

0

0

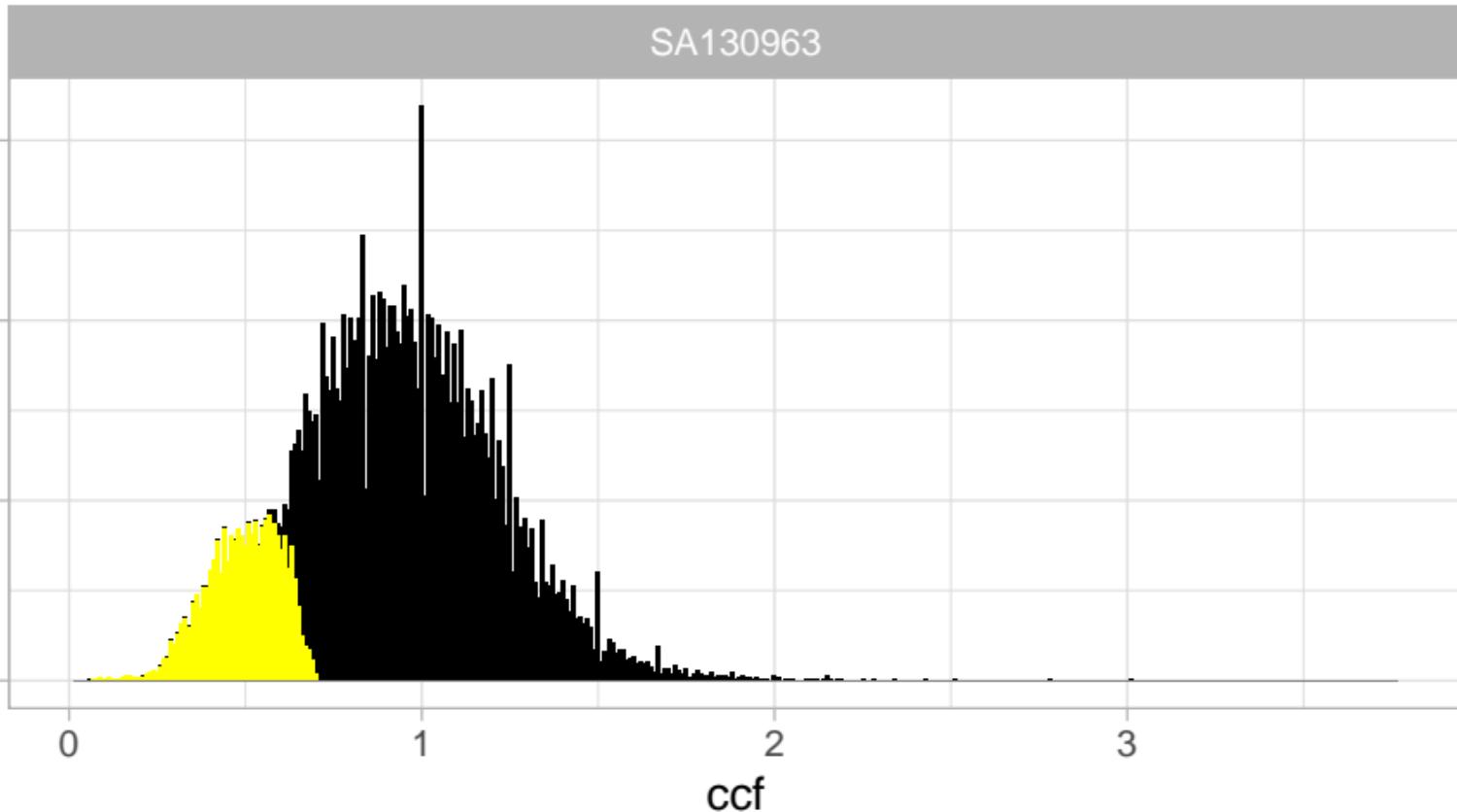
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA412067

count

200

100

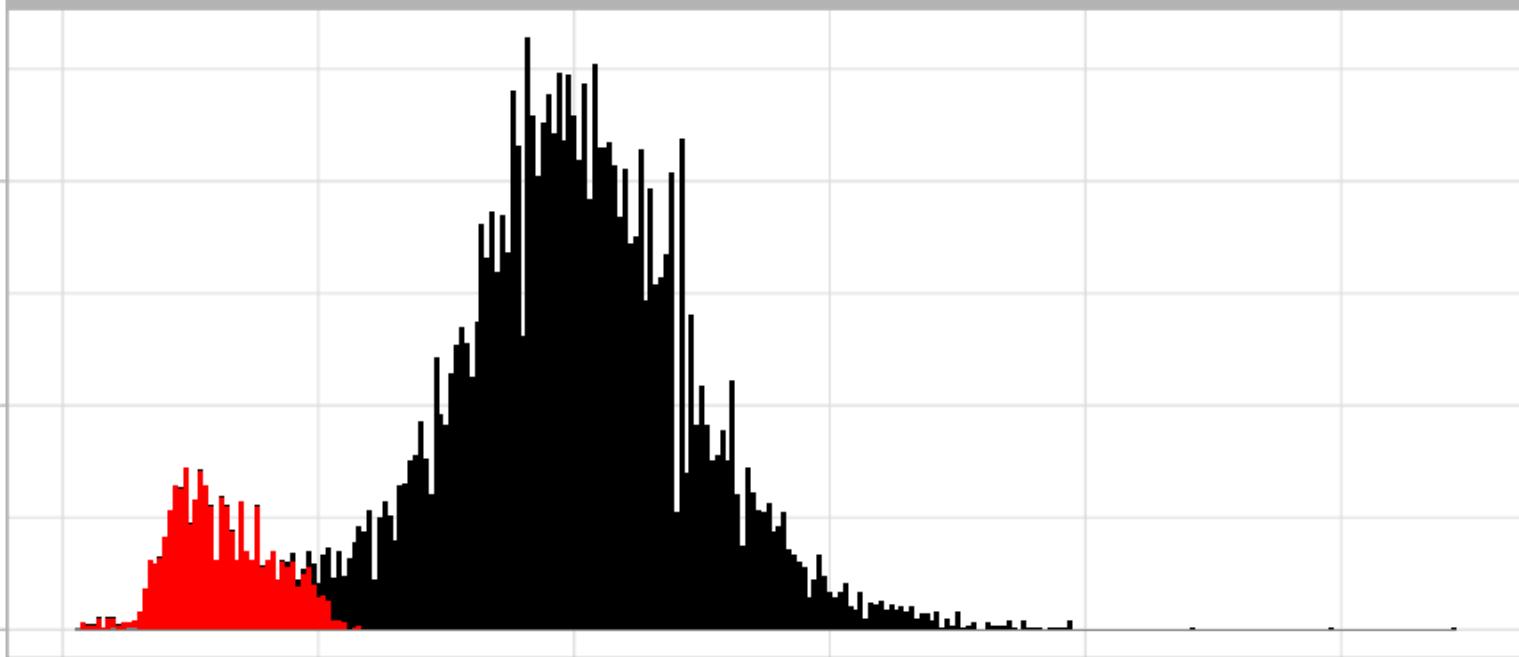
0

0

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA411389

count

150

100

50

0

0.0

0.5

1.0

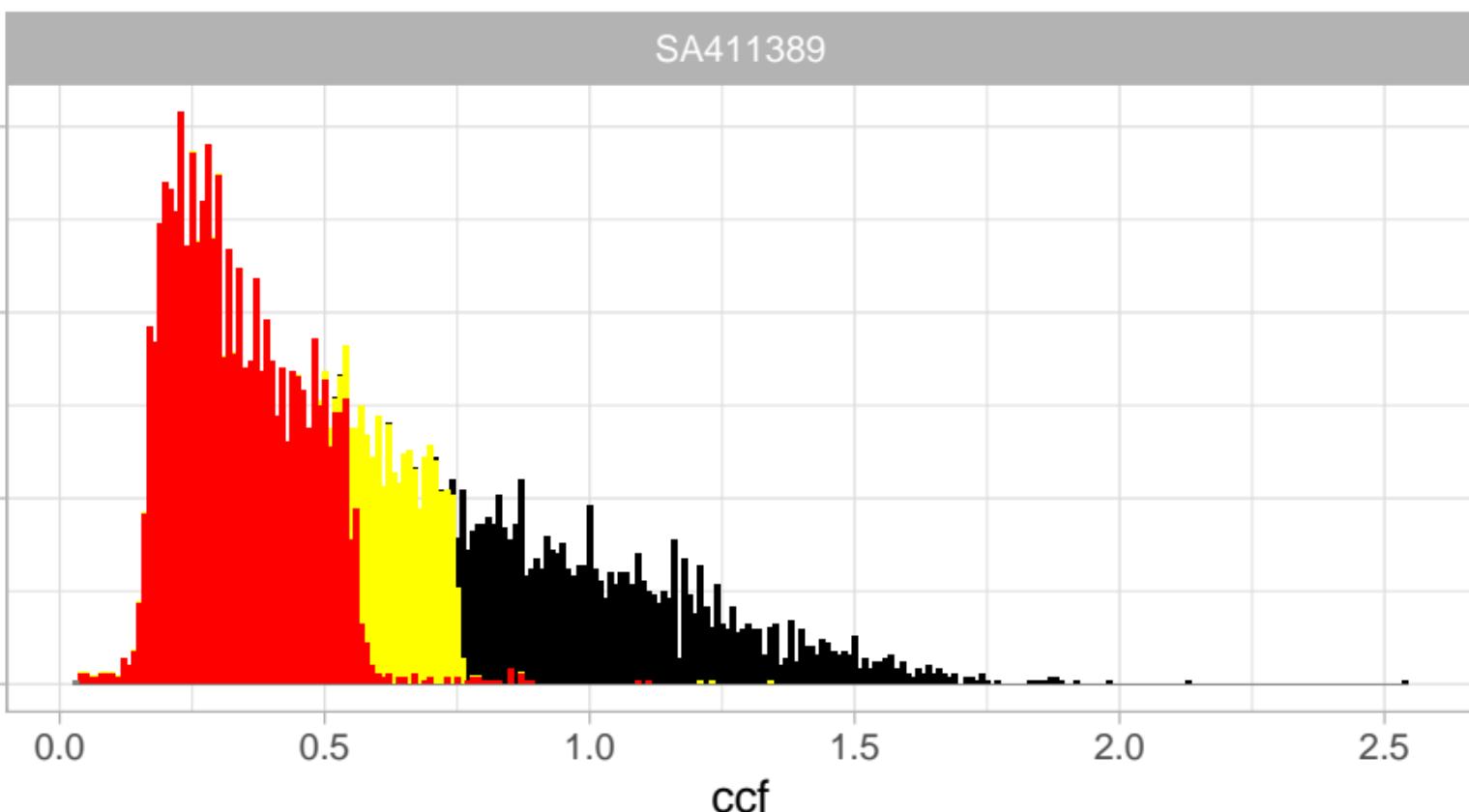
1.5

2.0

2.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533652

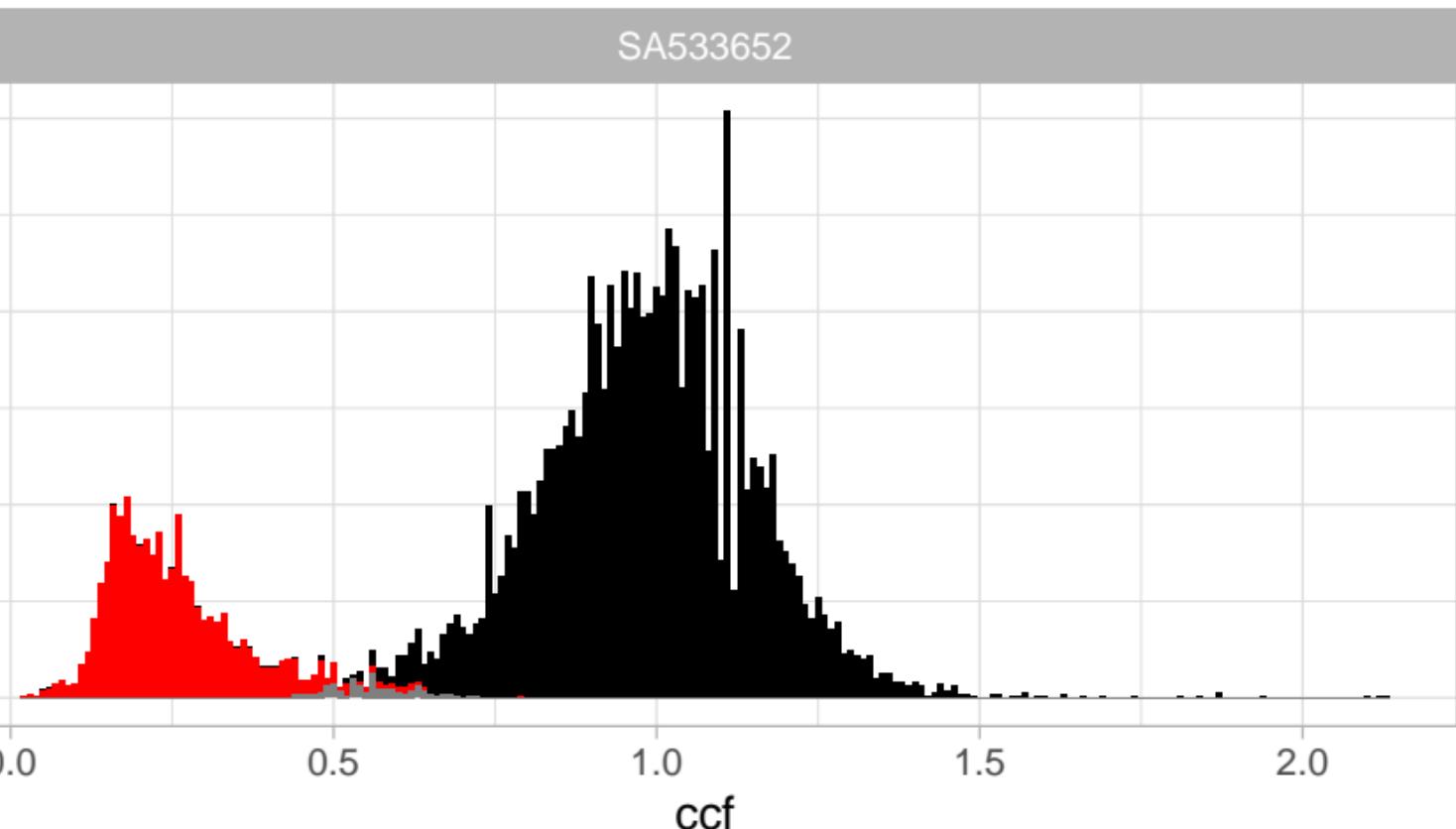
count

300
200
100
0

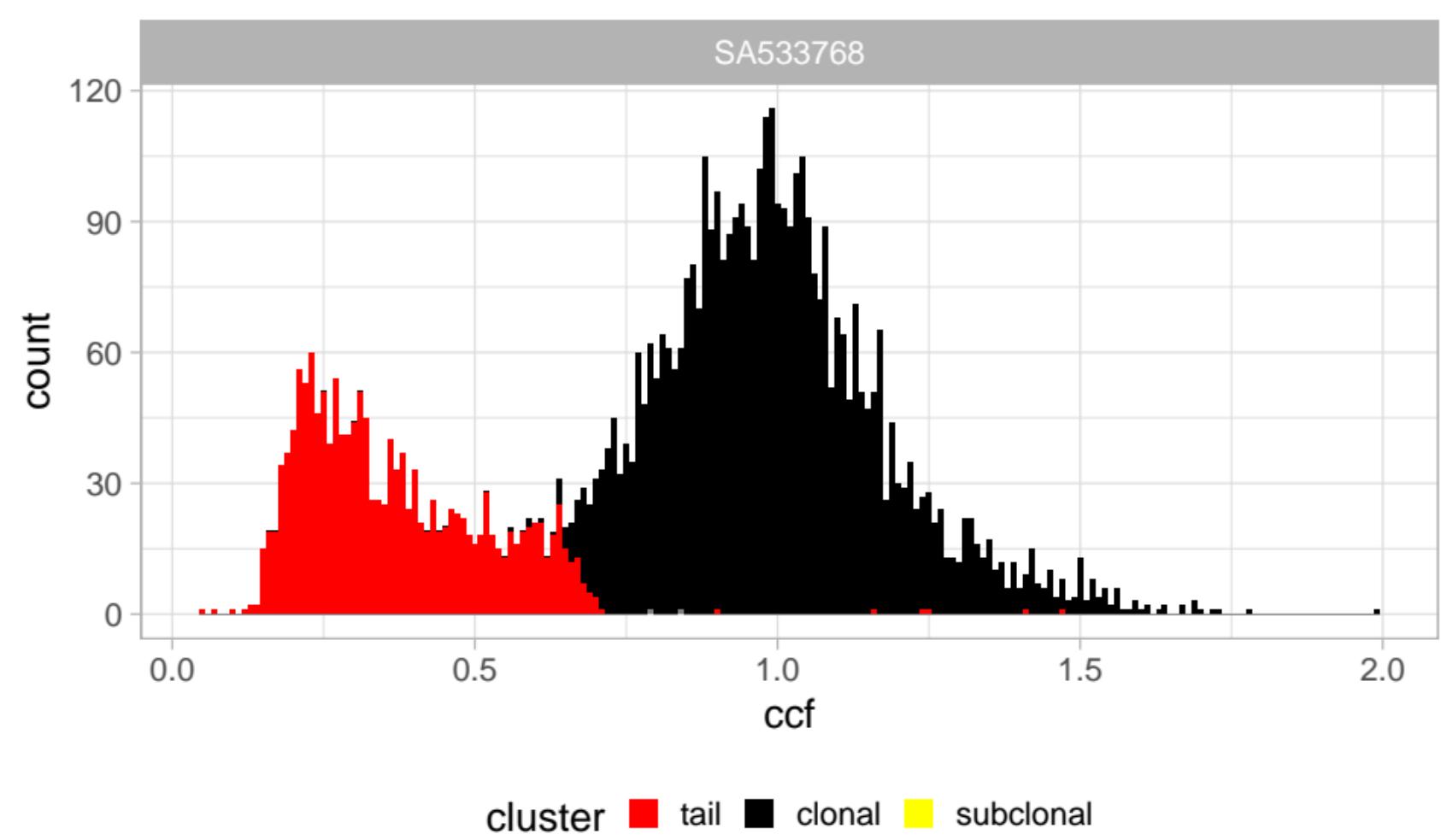
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA533768



SA528896

count

400
300
200
100
0

0 1 2 3 4

ccf

cluster tail clonal subclonal

SA501579

count

600

400

200

0

0.0

0.5

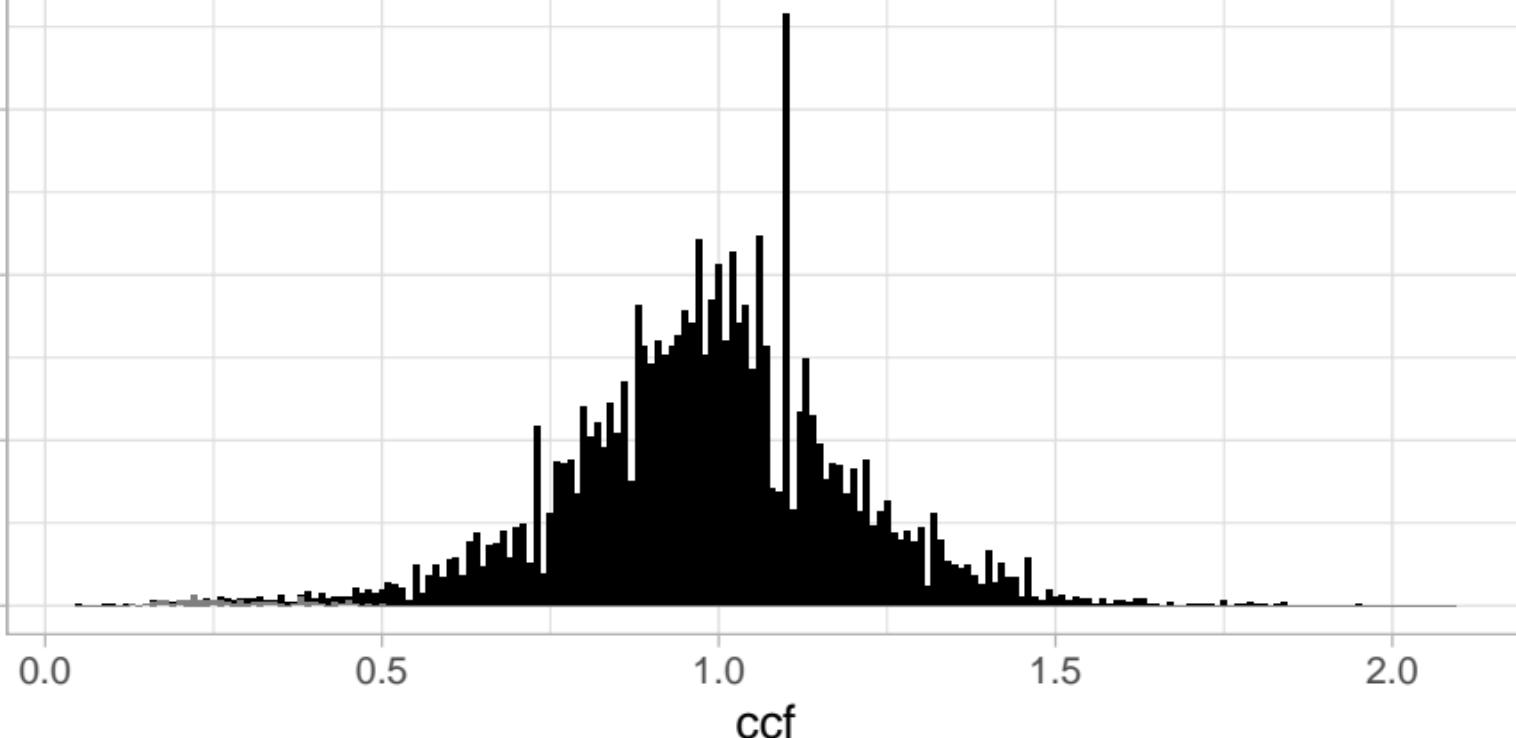
1.0

1.5

2.0

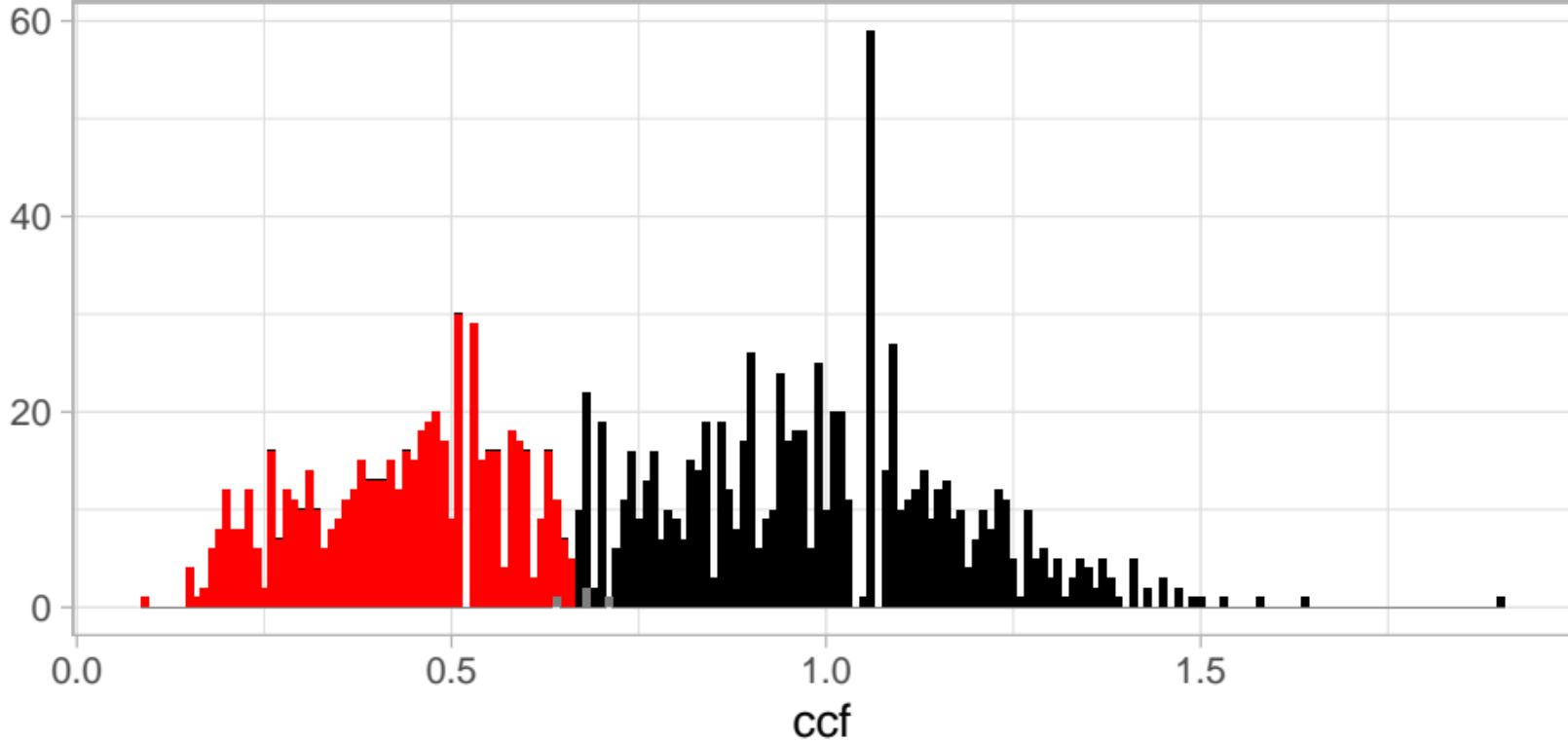
ccf

cluster tail clonal subclonal



SA86450

count



cluster ■ tail ■ clonal ■ subclonal

SA541752

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA506746

count

100

75

50

25

0

0.0

0.5

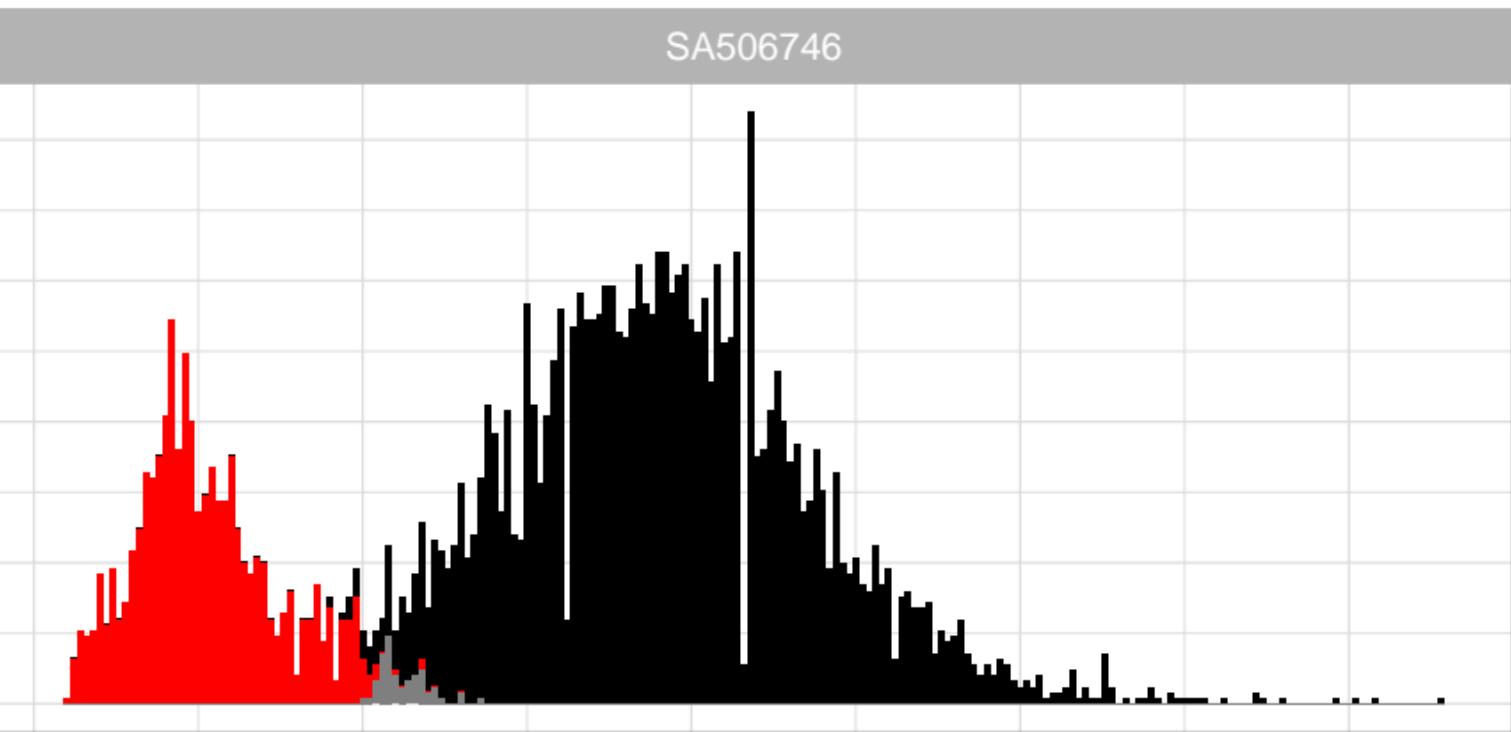
1.0

1.5

2.0

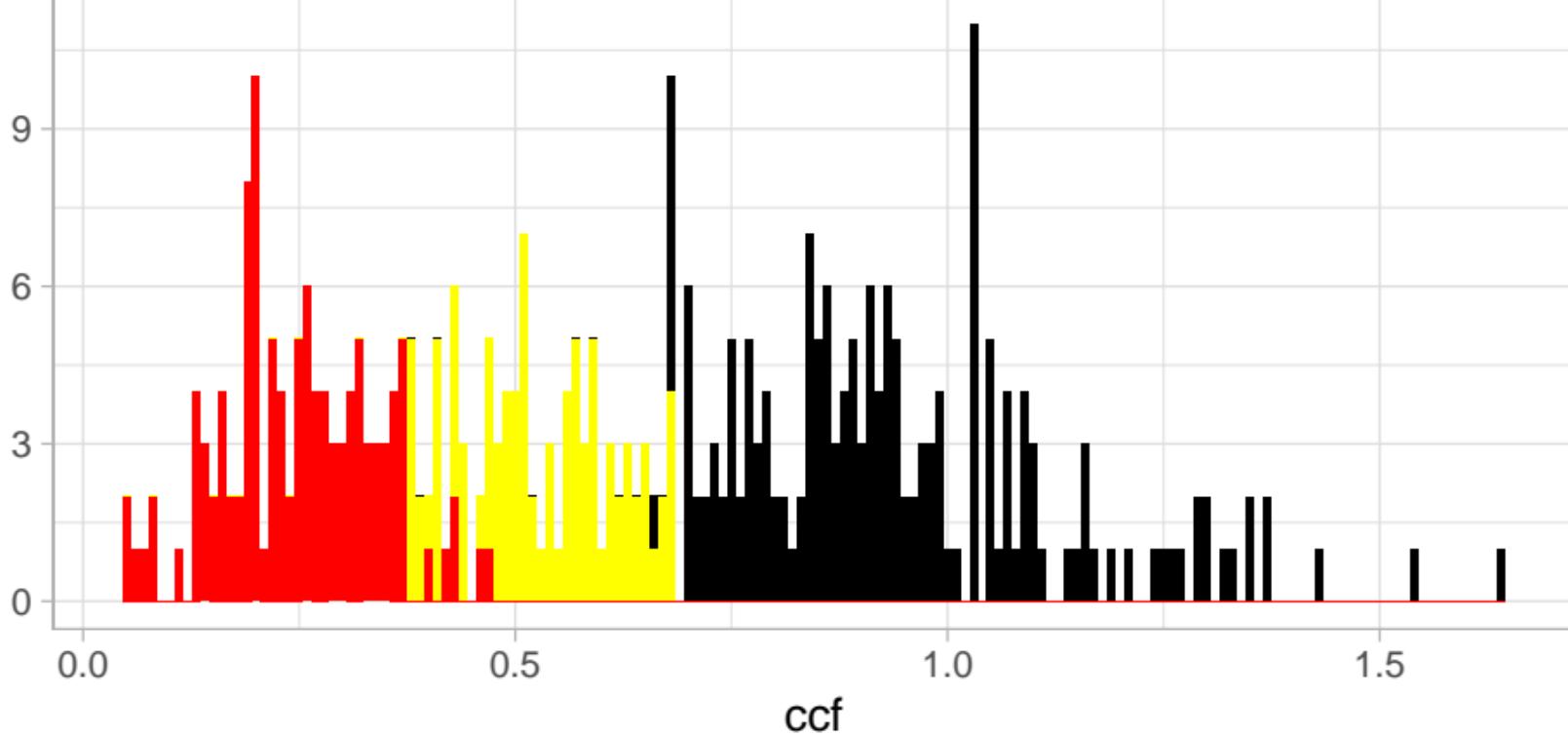
ccf

cluster ■ tail ■ clonal ■ subclonal



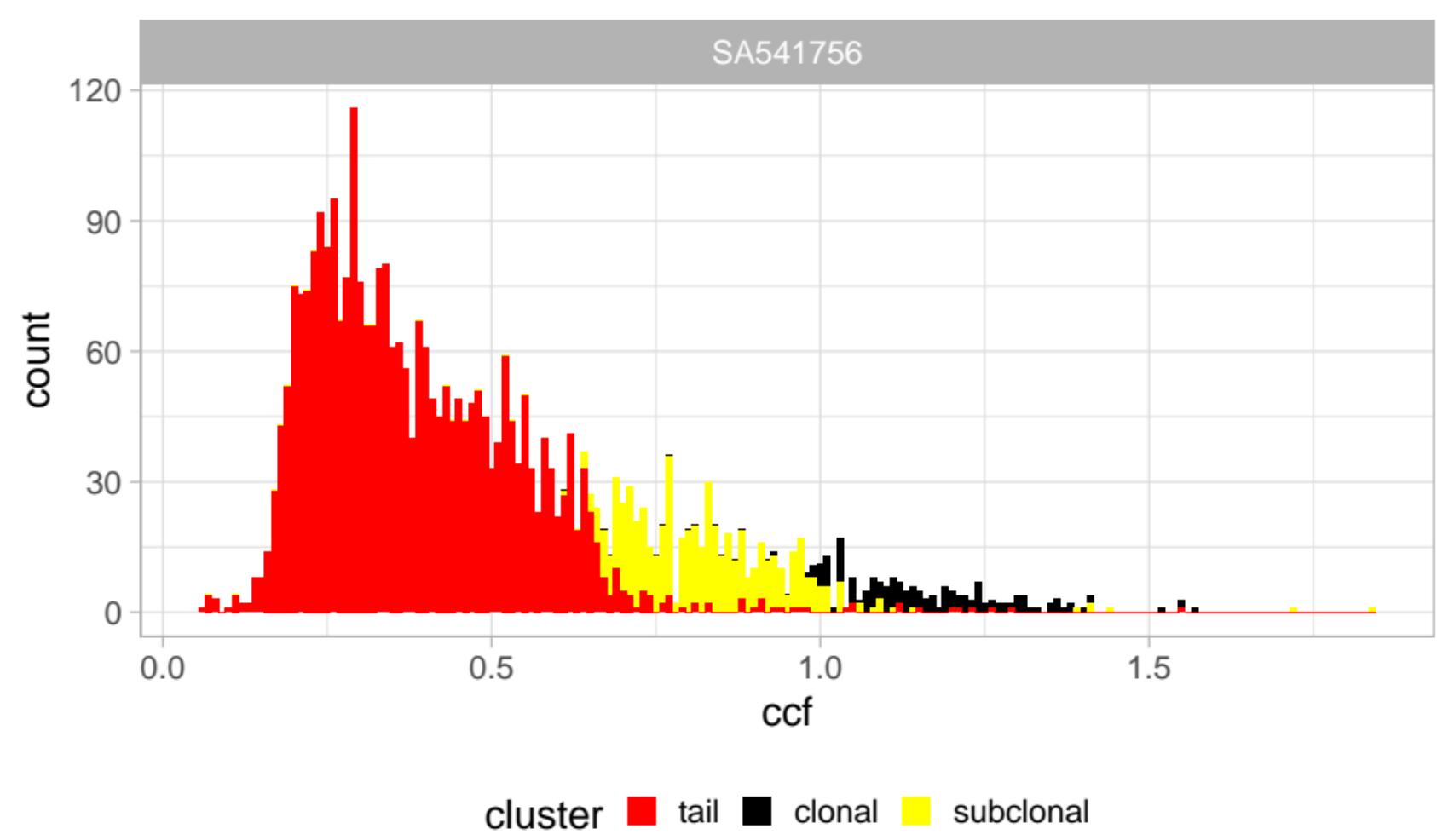
SA413520

count



cluster tail clonal subclonal

SA541756



SA557369

count

1000
500
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530622

count

60

20

0

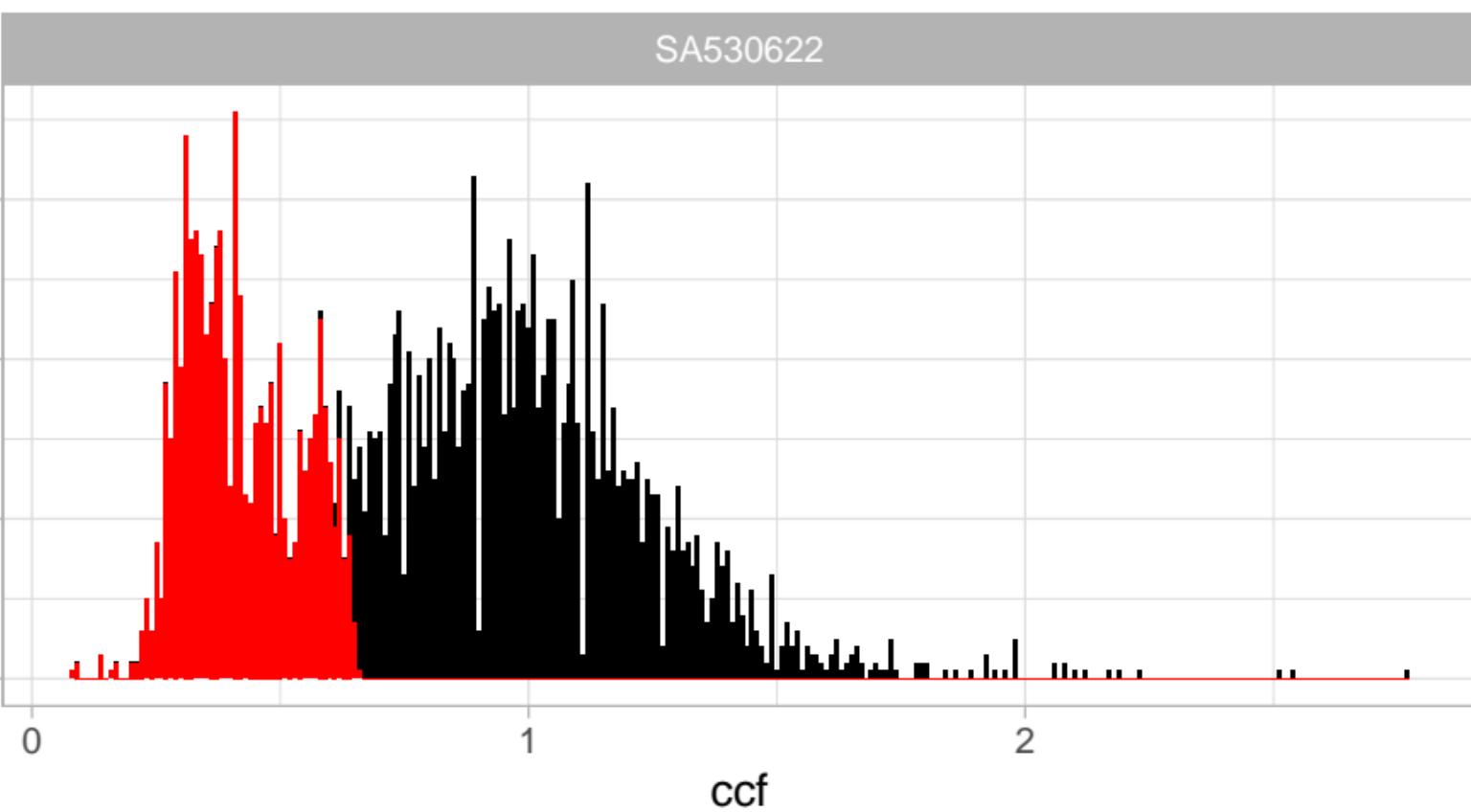
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA270390

count

600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA557416

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA520264

count

75

50

25

0

0.0

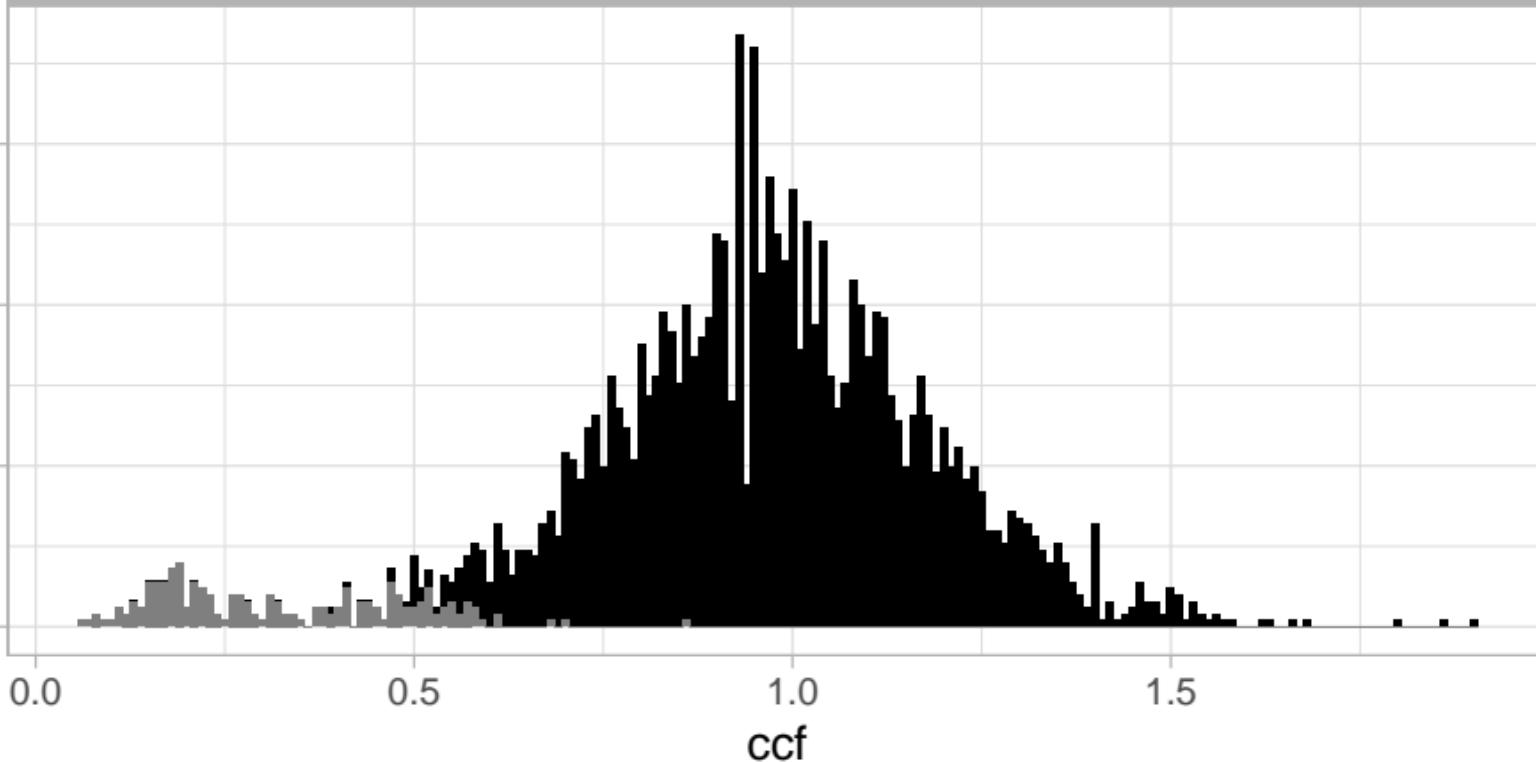
0.5

1.0

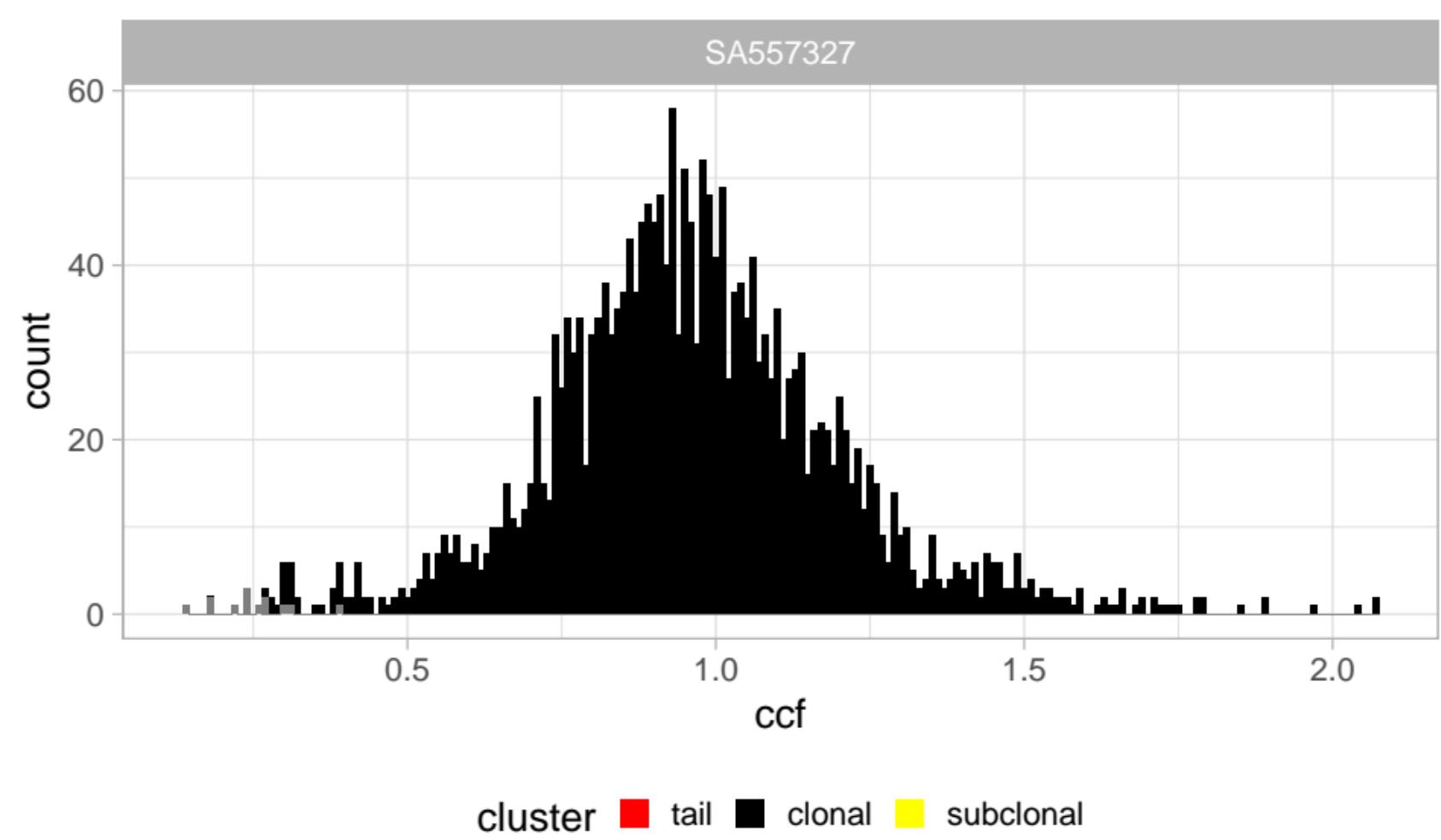
1.5

ccf

cluster tail clonal subclonal



SA557327



SA413294

count

40

30

20

10

0

0.0

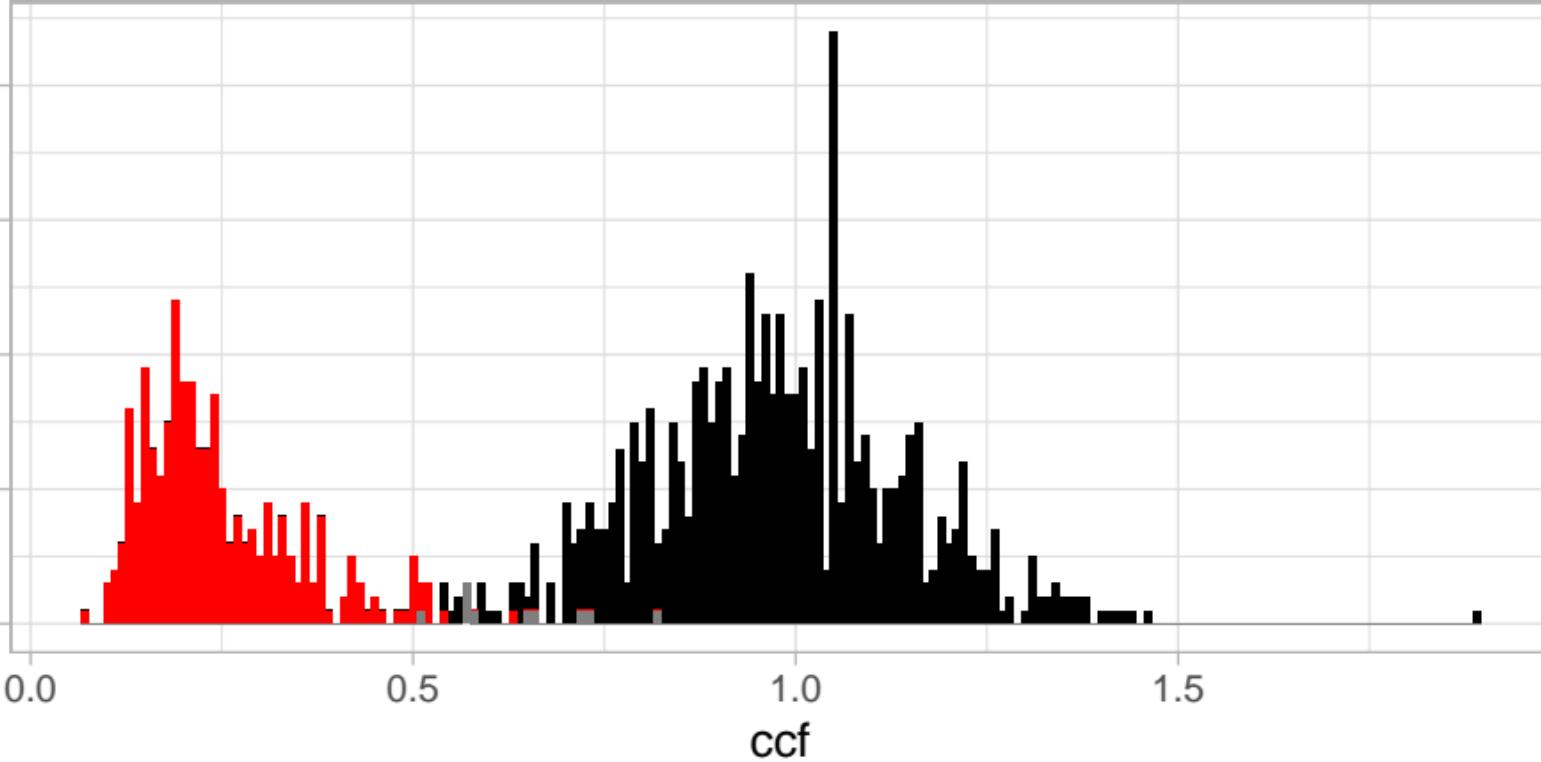
0.5

1.0

1.5

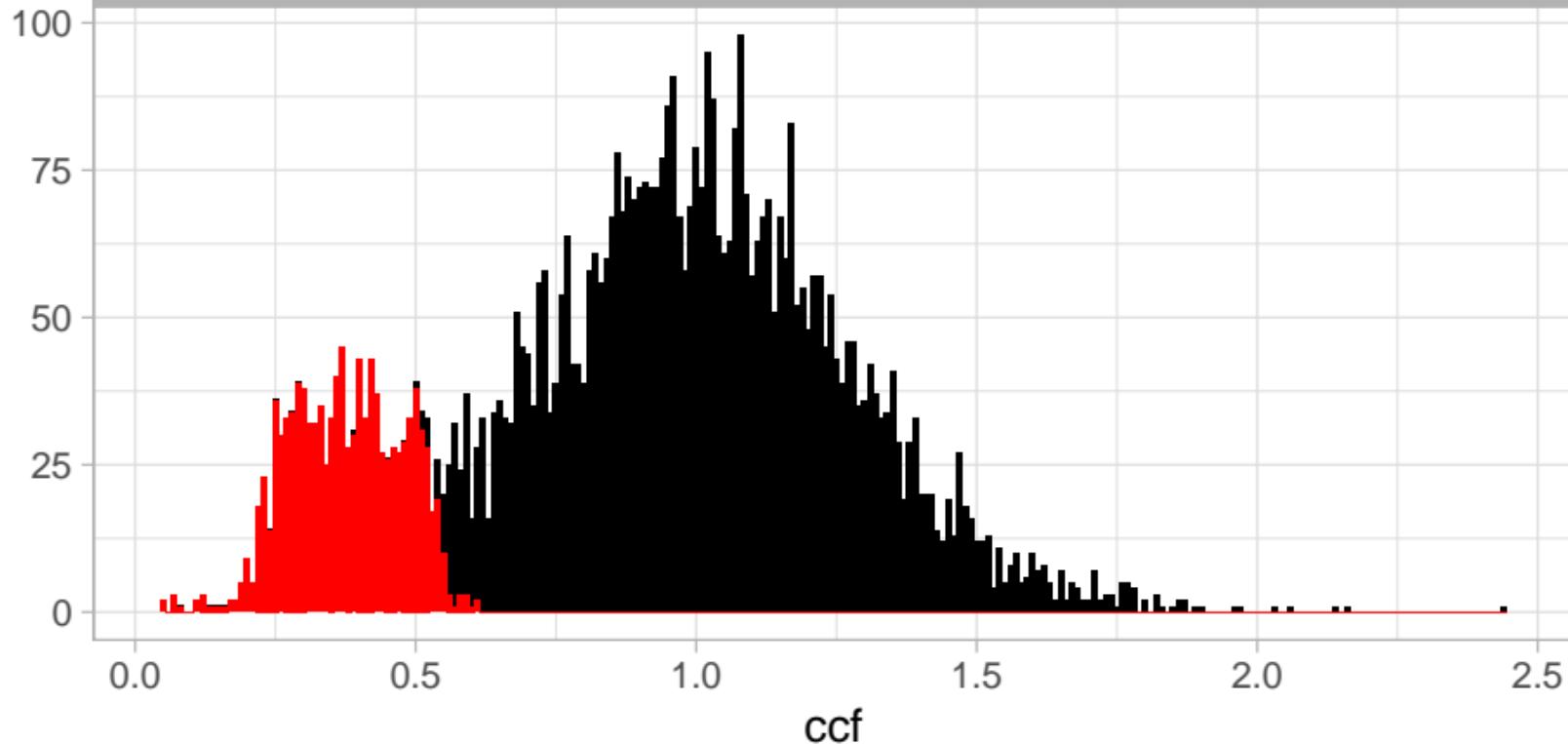
ccf

cluster tail clonal subclonal



SA528682

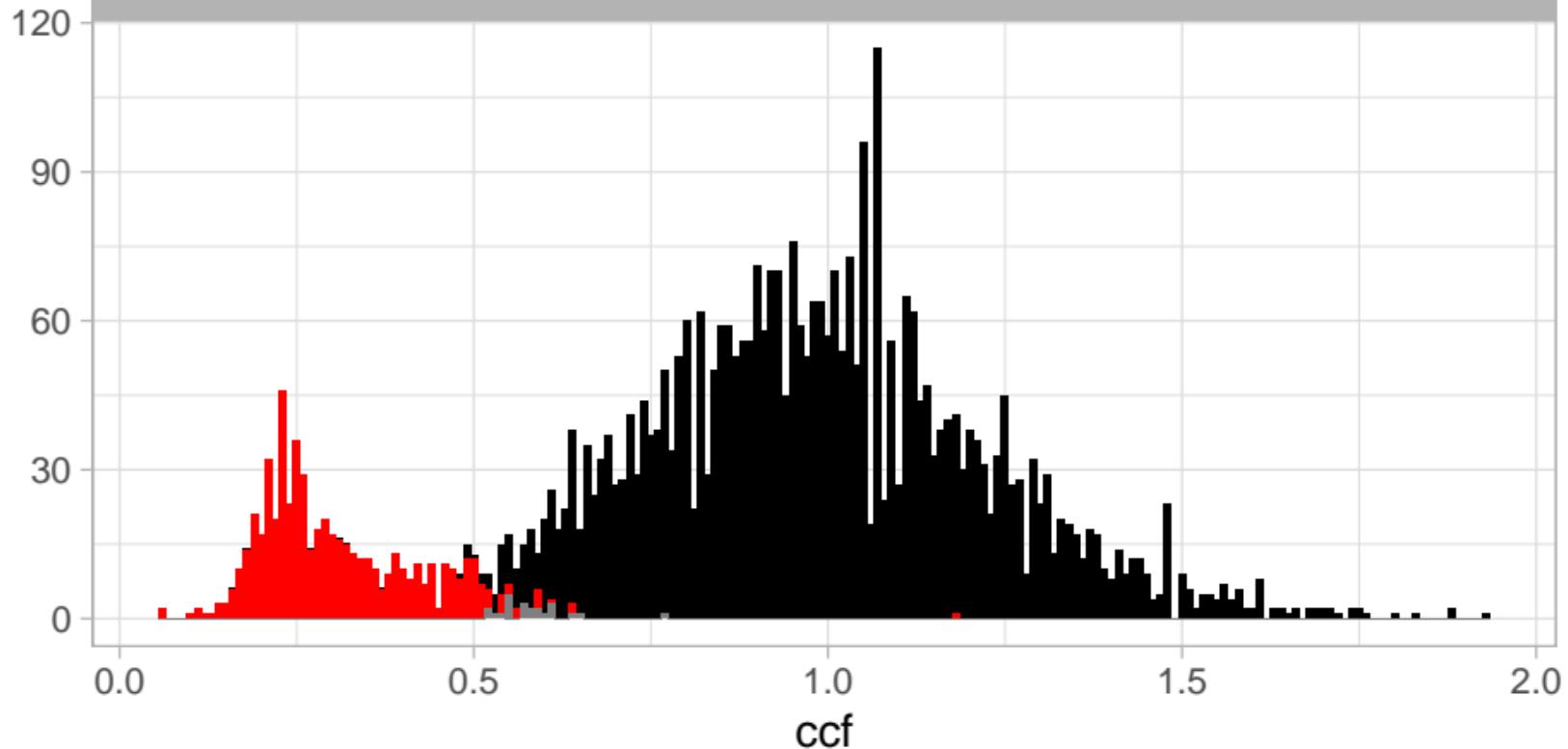
count



cluster ■ tail ■ clonal ■ subclonal

SA533702

count



cluster ■ tail ■ clonal ■ subclonal

SA529905

count

400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA542397

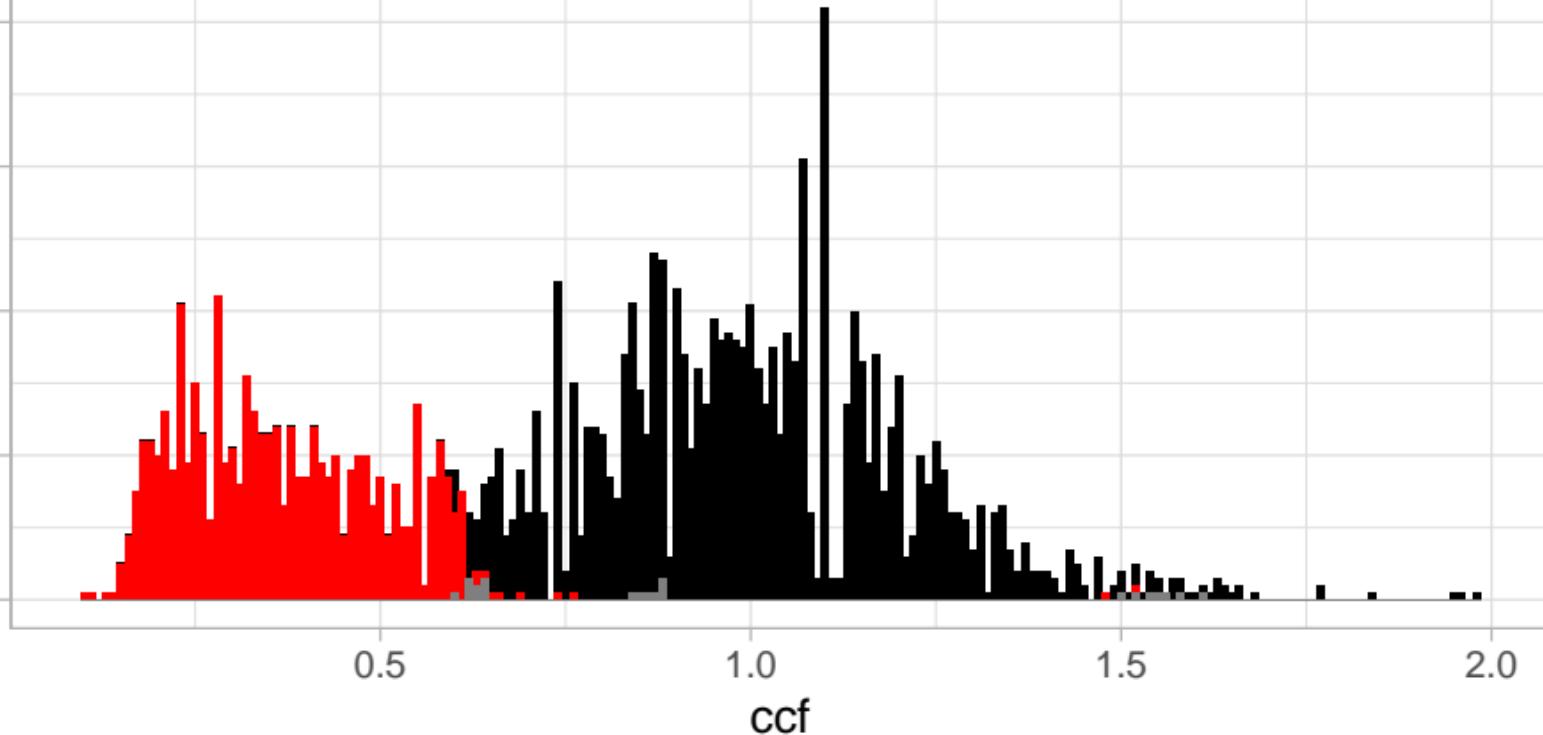
count

80
60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413586

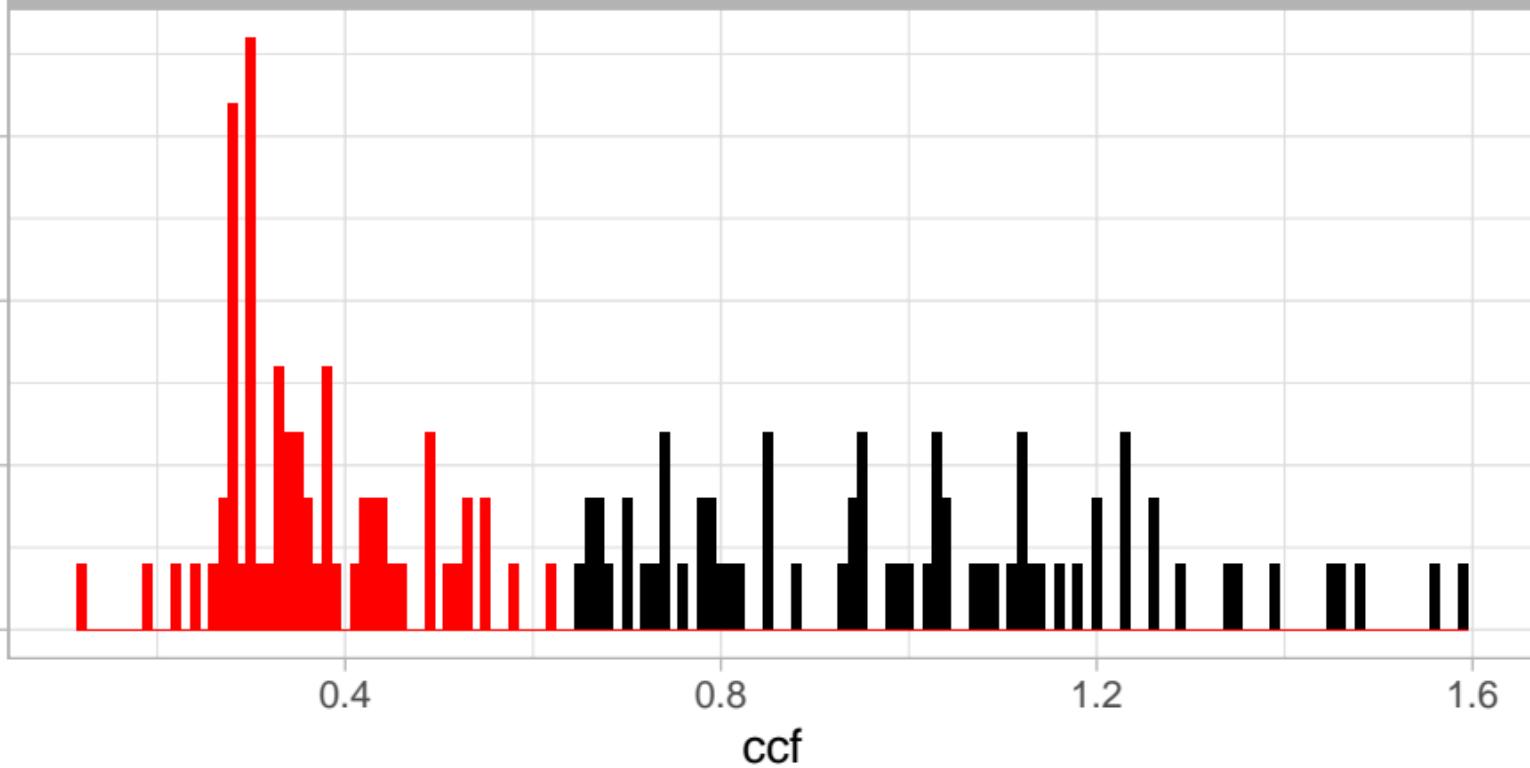
count

7.5
5.0
2.5
0.0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA408698

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA501401

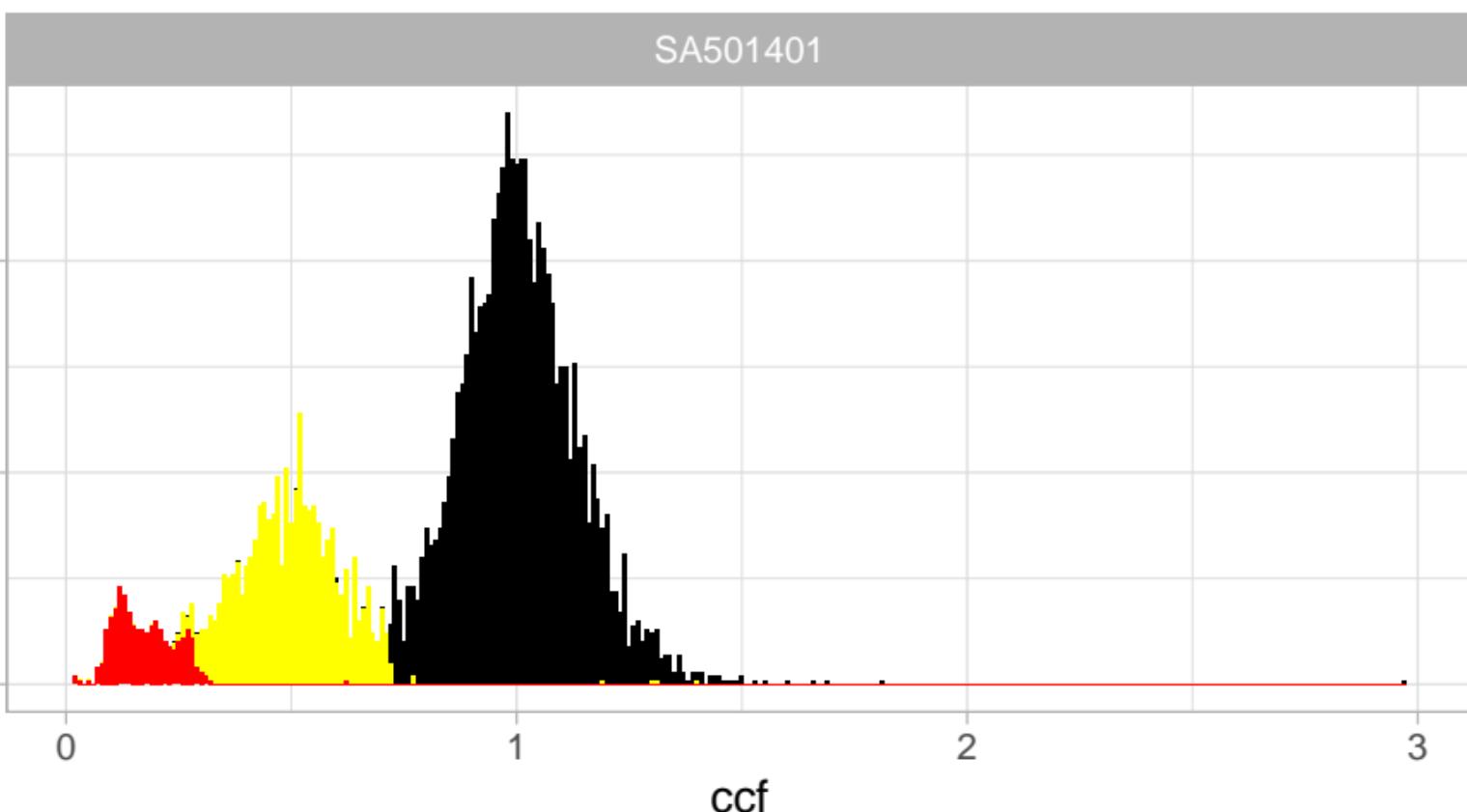
count

100
50
0

0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501591

count

400
200
0

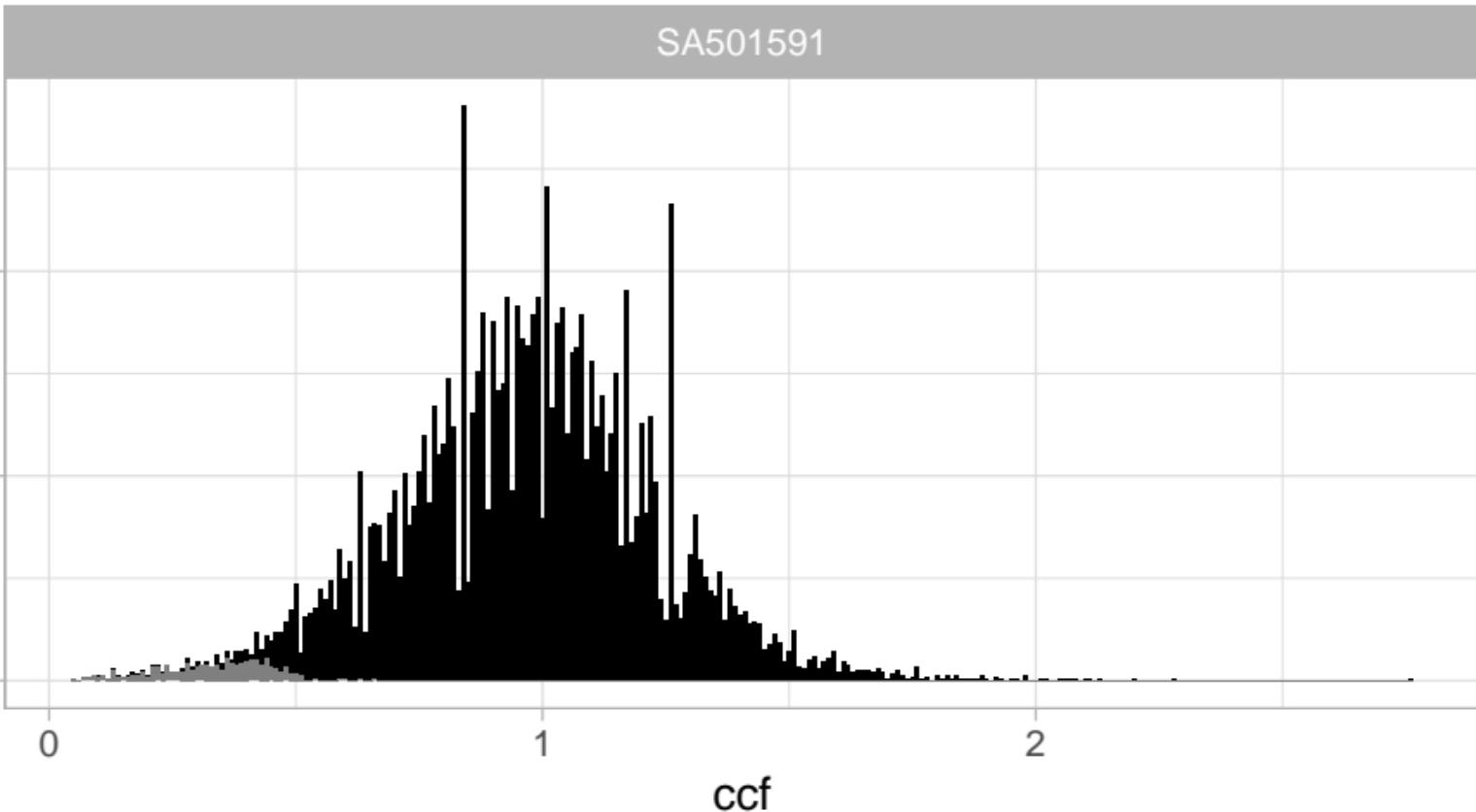
0

1

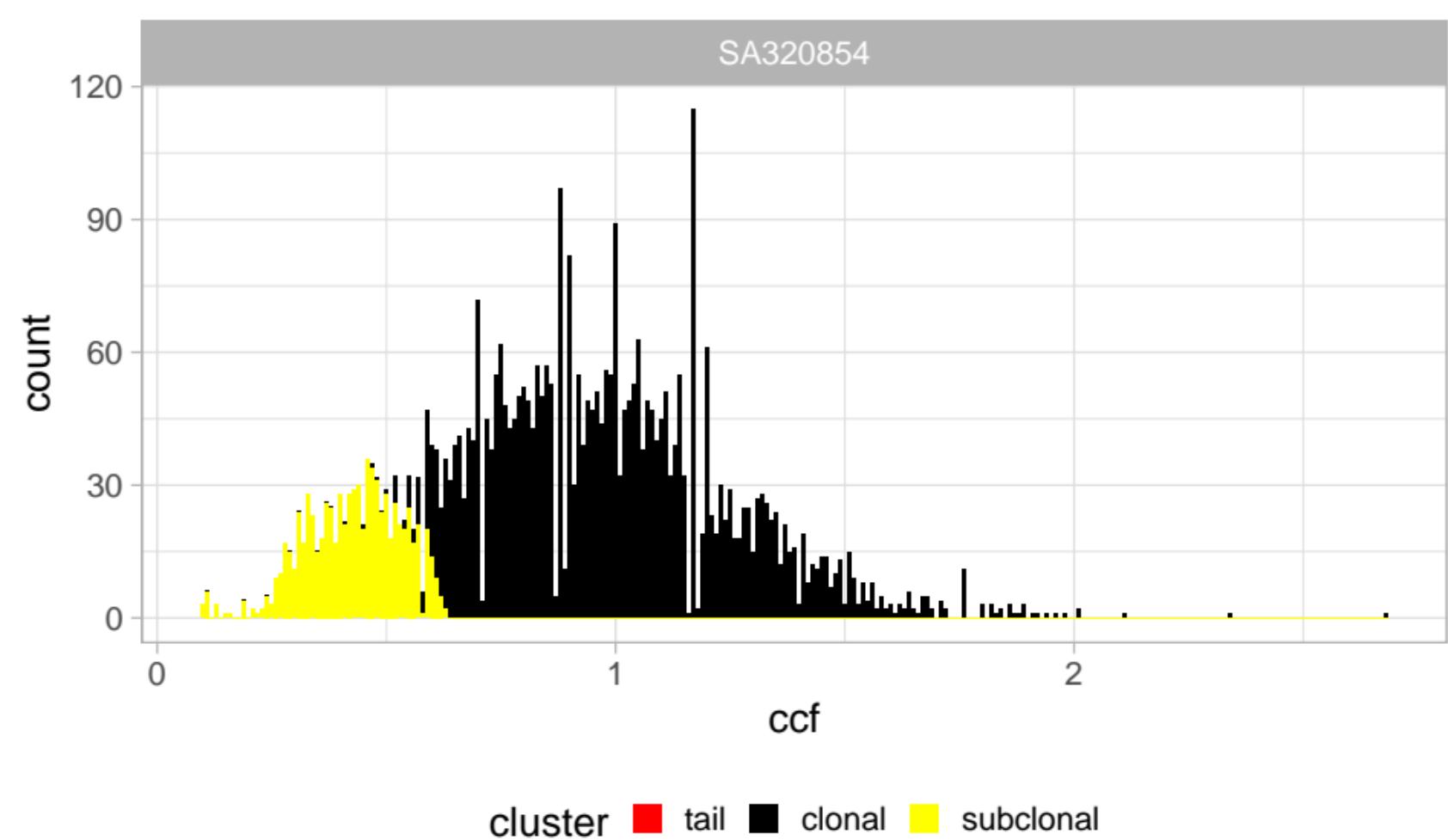
2

ccf

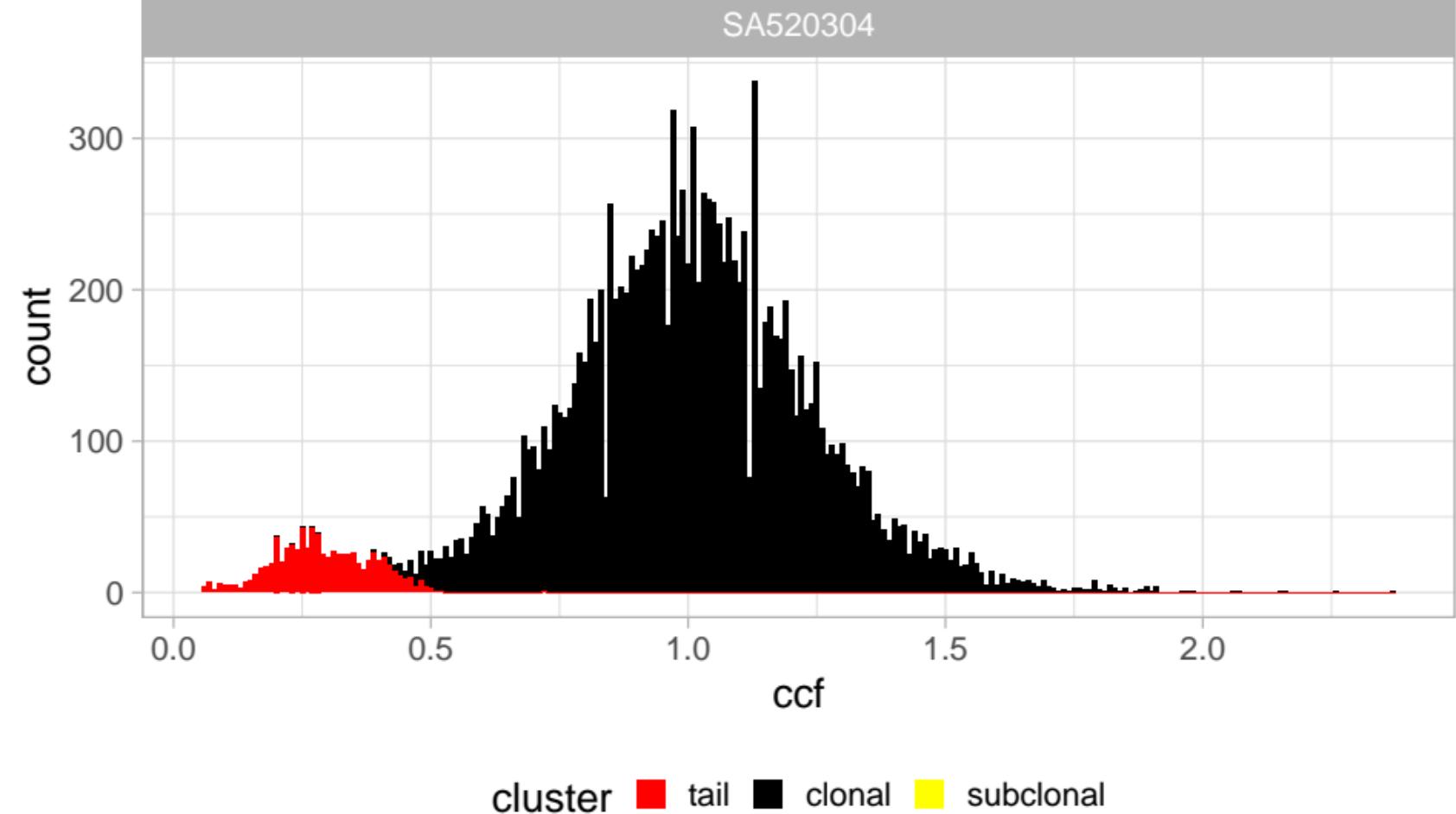
cluster tail clonal subclonal



SA320854



SA520304



SA558699

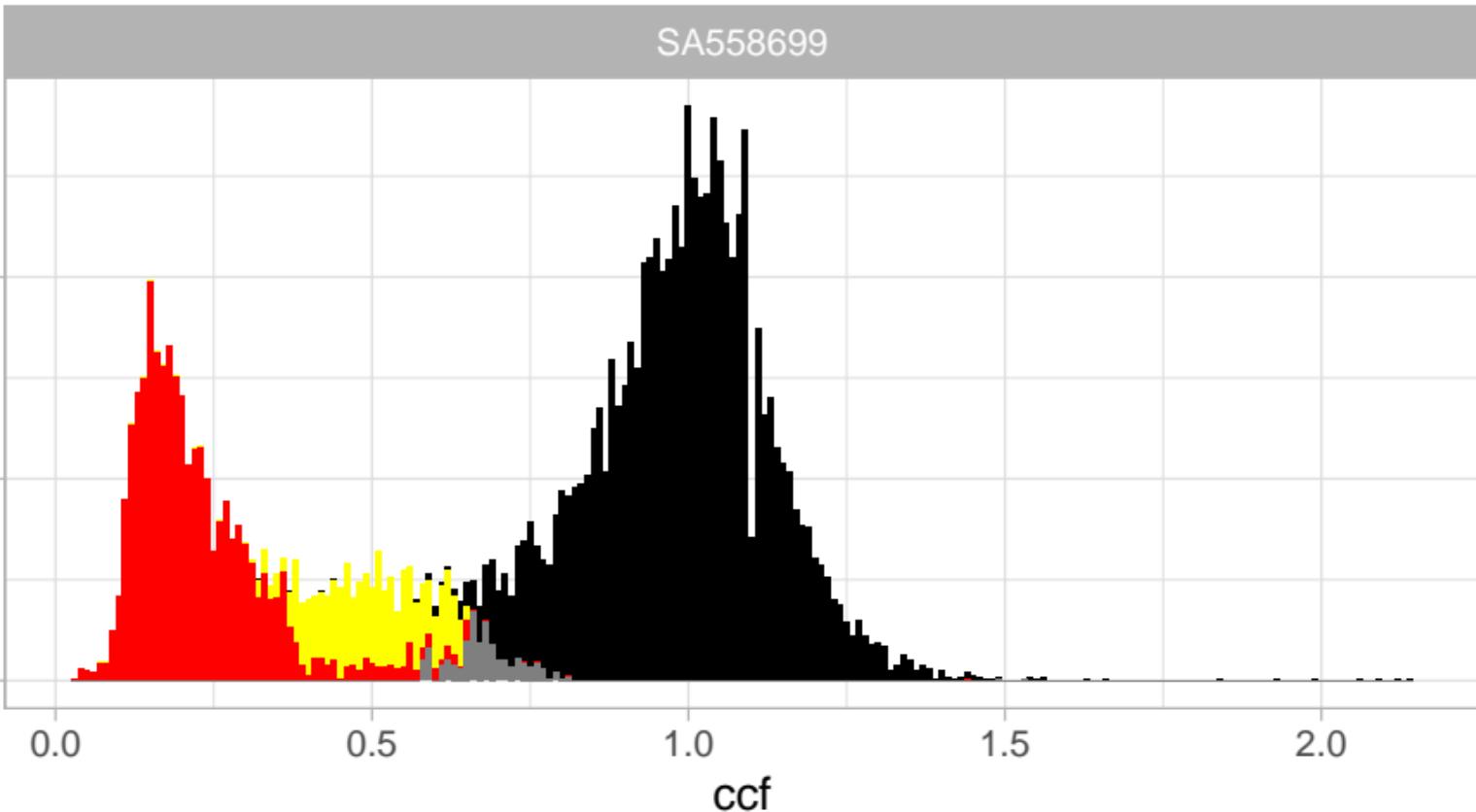
count

200
100
0

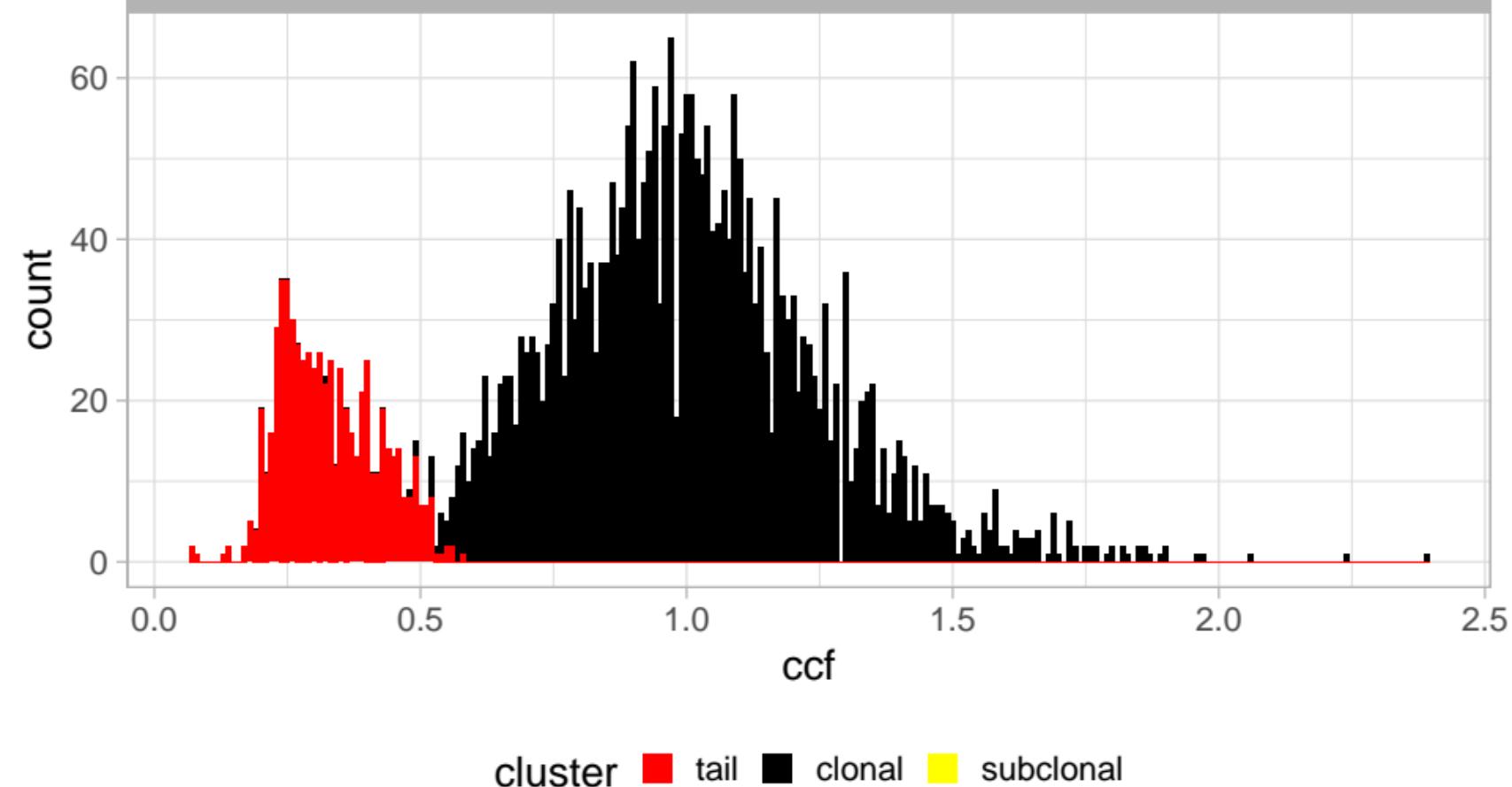
0.0 0.5 1.0 1.5 2.0

ccf

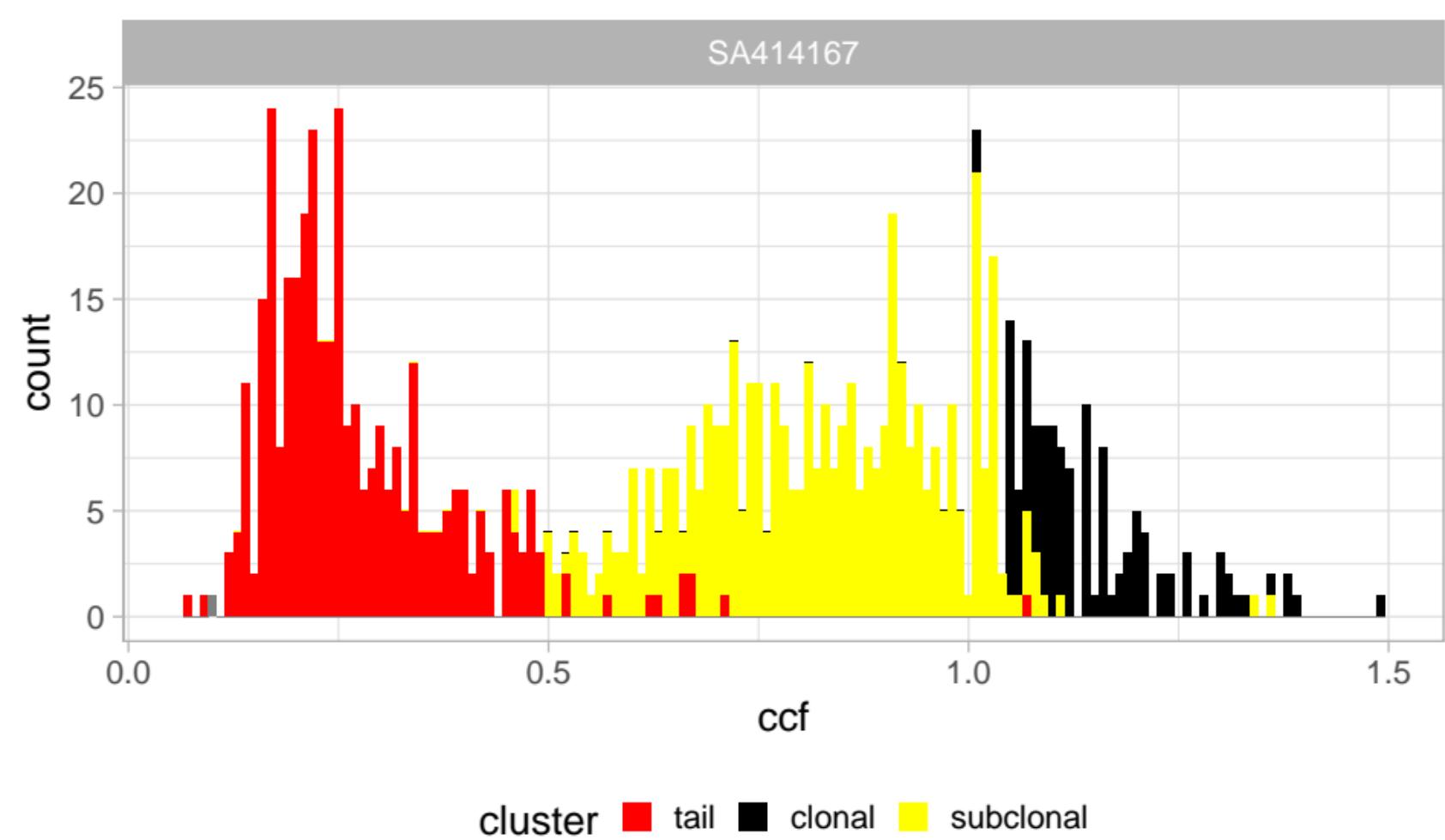
cluster ■ tail ■ clonal ■ subclonal



SA530612



SA414167



SA411002

count

200

100

0

0.0

0.5

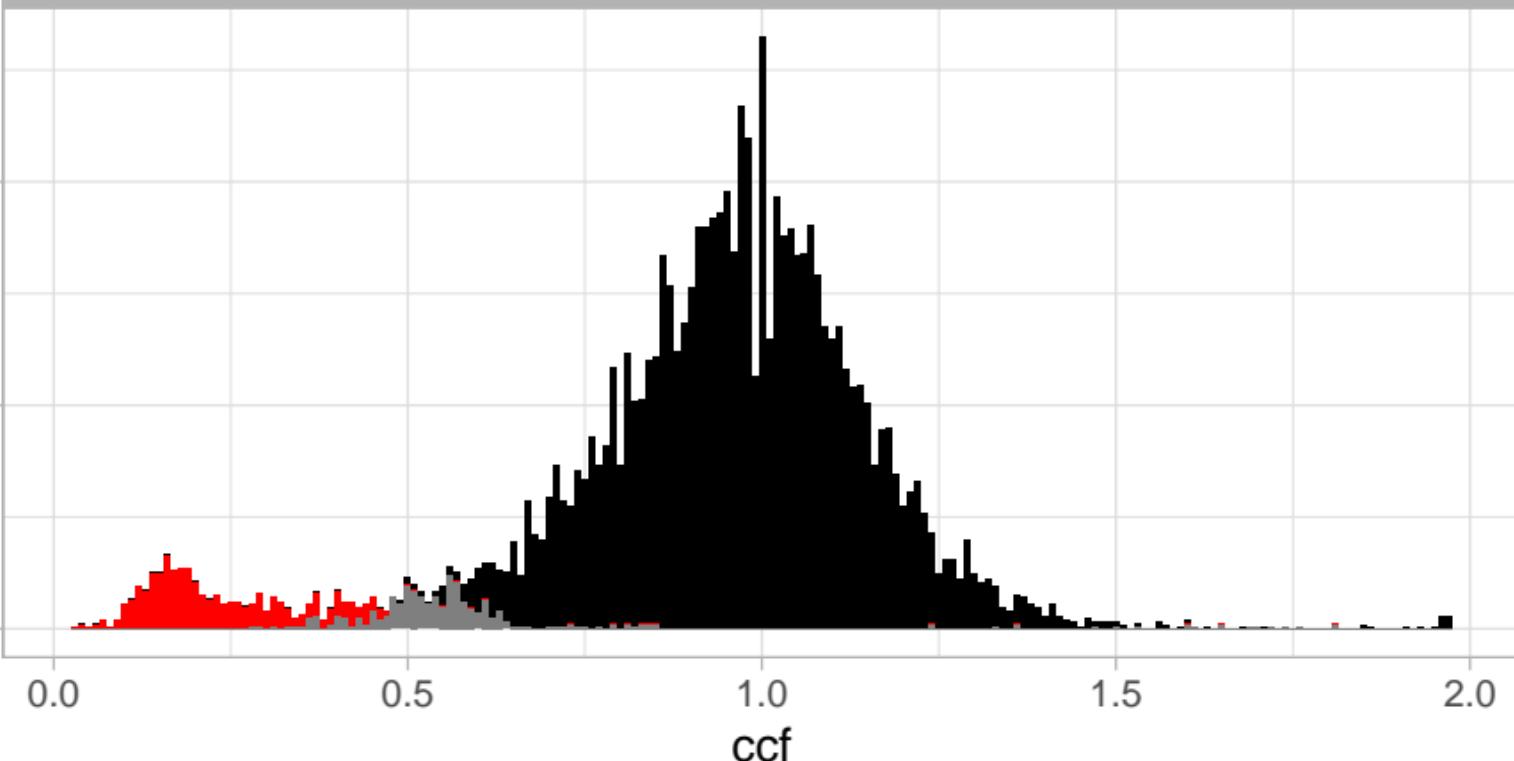
1.0

1.5

2.0

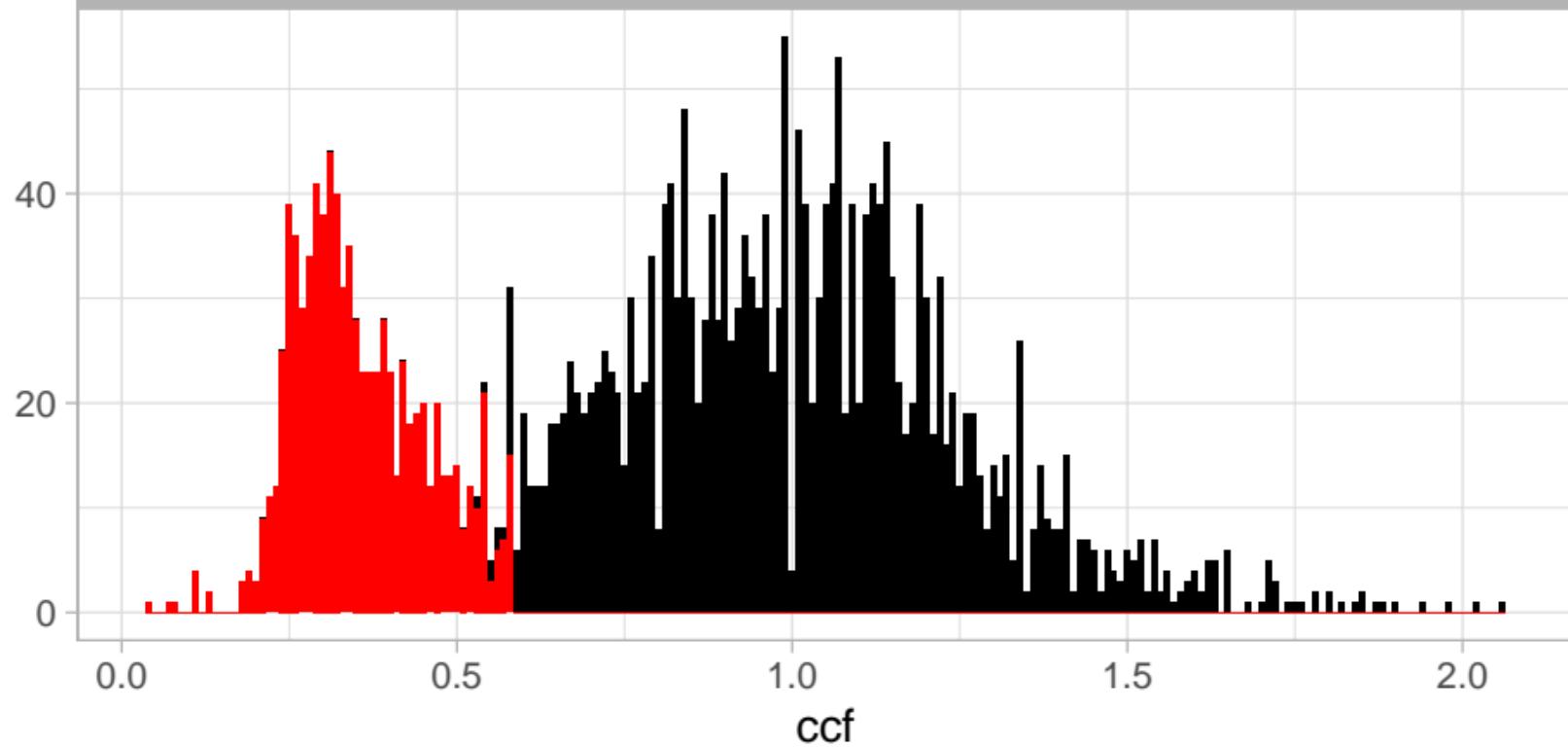
ccf

cluster ■ tail ■ clonal ■ subclonal



SA530628

count



cluster ■ tail ■ clonal ■ subclonal

SA515214

count

600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA507269

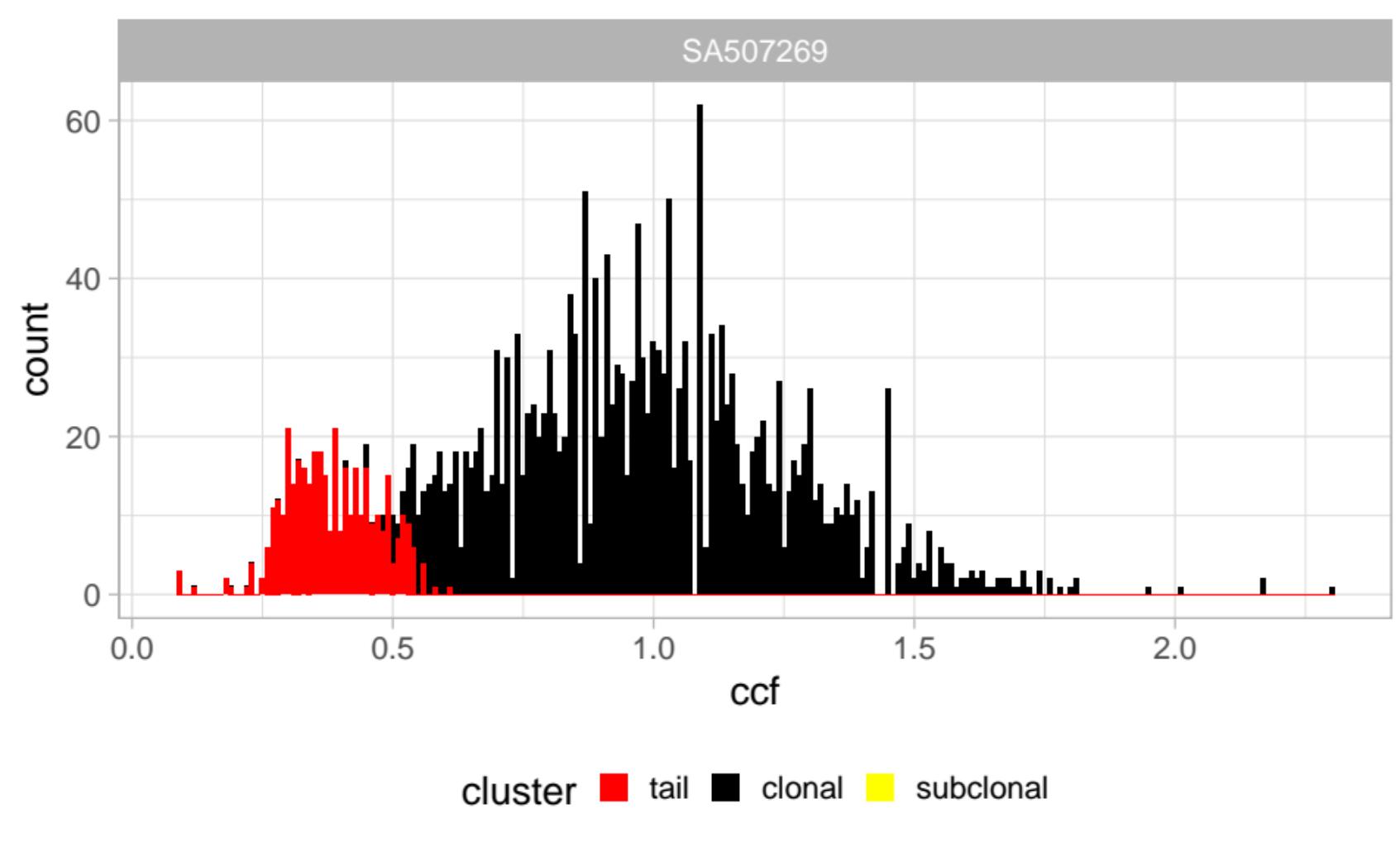
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA570866

count

30
20
10
0

0.0

0.5

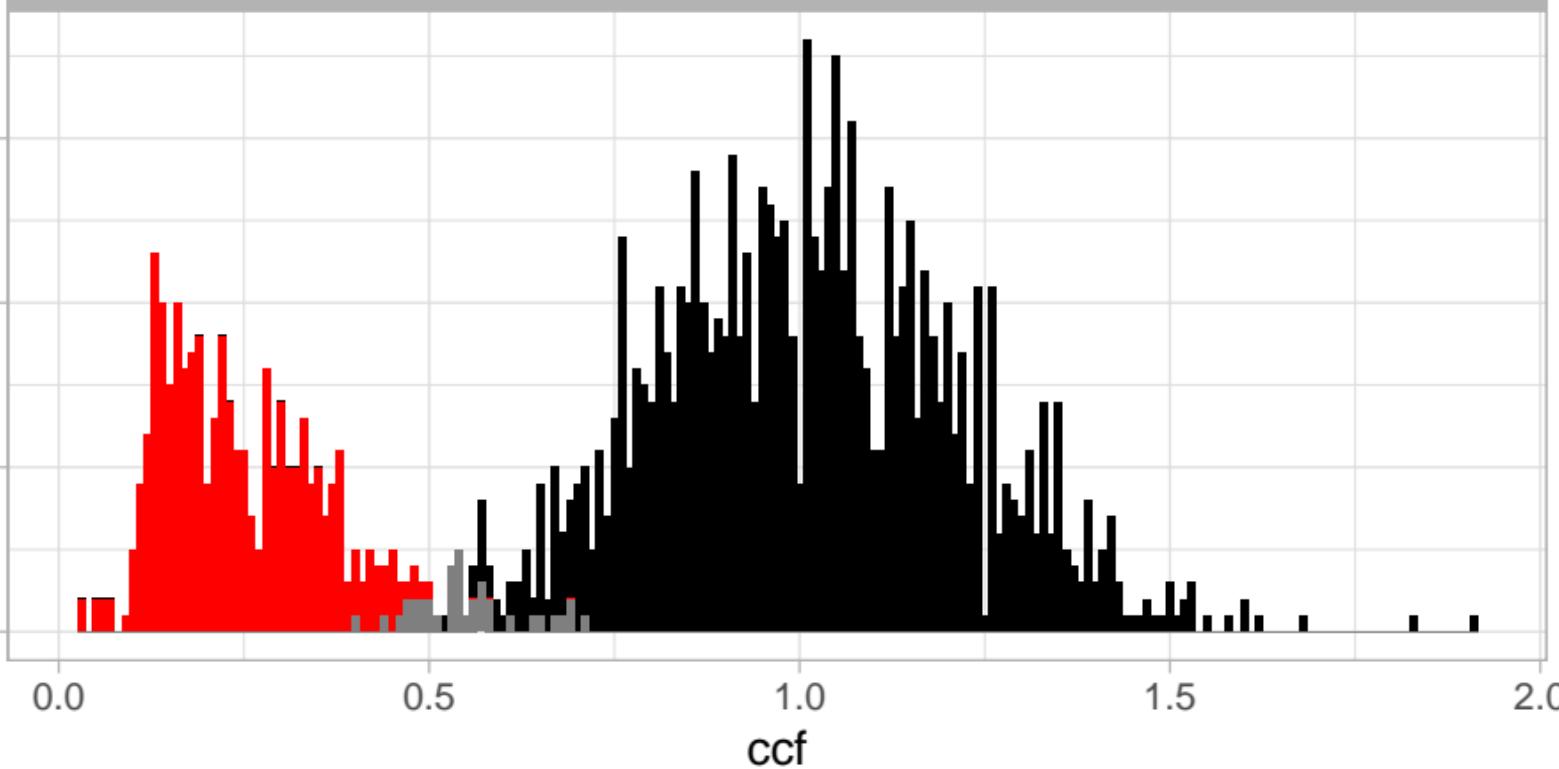
1.0

1.5

2.0

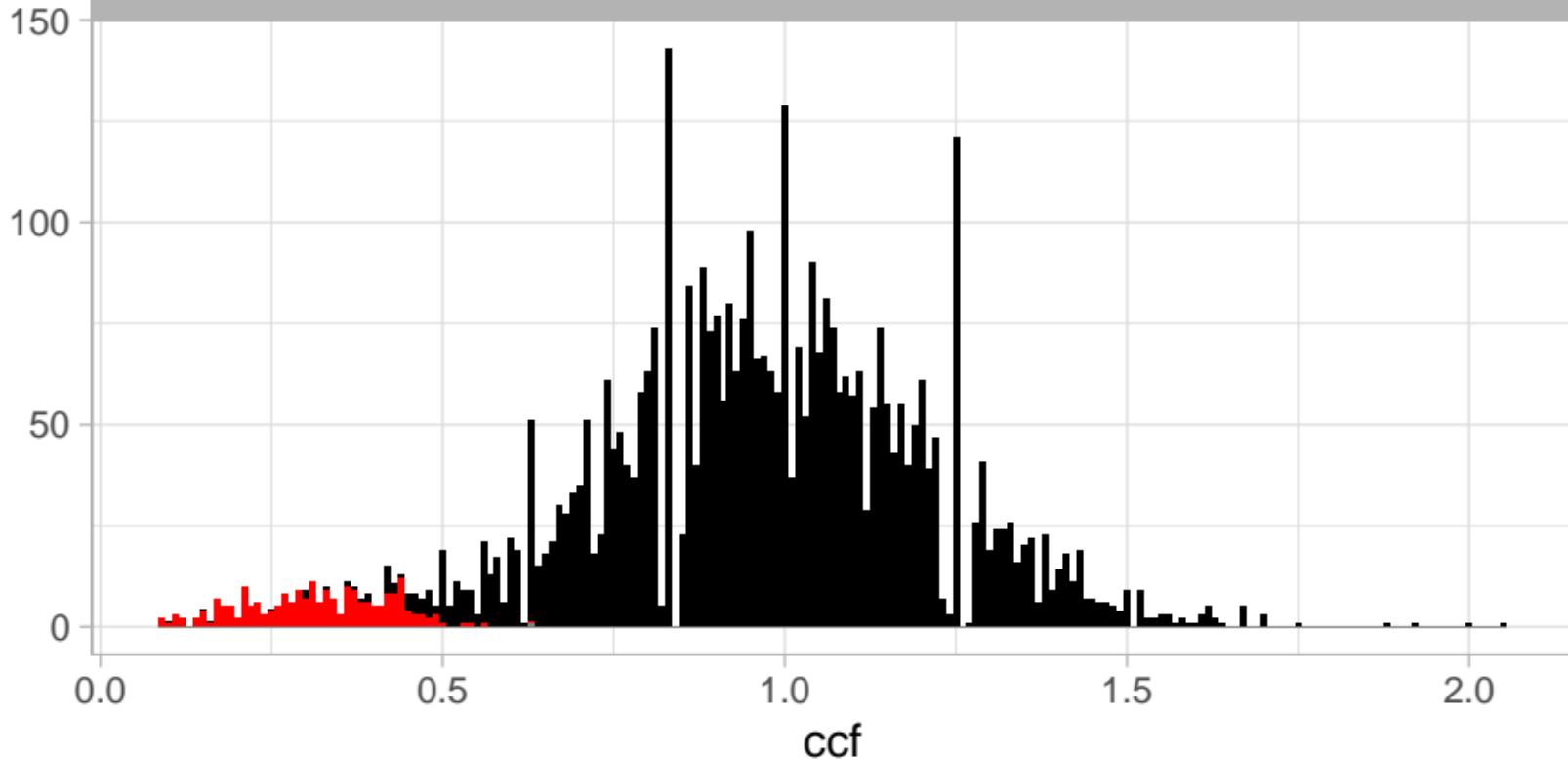
ccf

cluster tail clonal subclonal



SA542043

count



cluster ■ tail ■ clonal ■ subclonal

SA530512

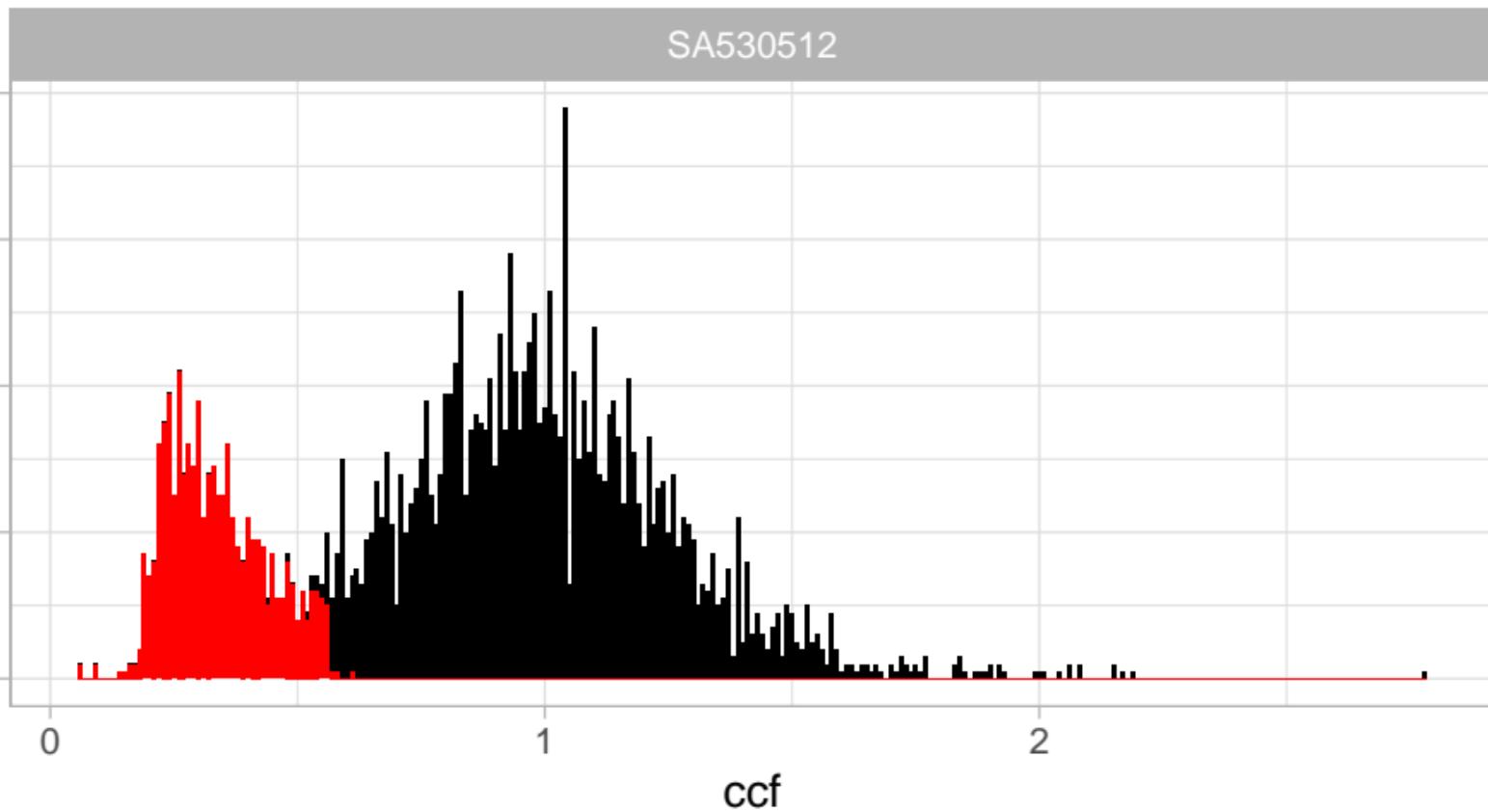
count

80
60
40
20
0

0 1 2

ccf

cluster tail clonal subclonal



SA506725

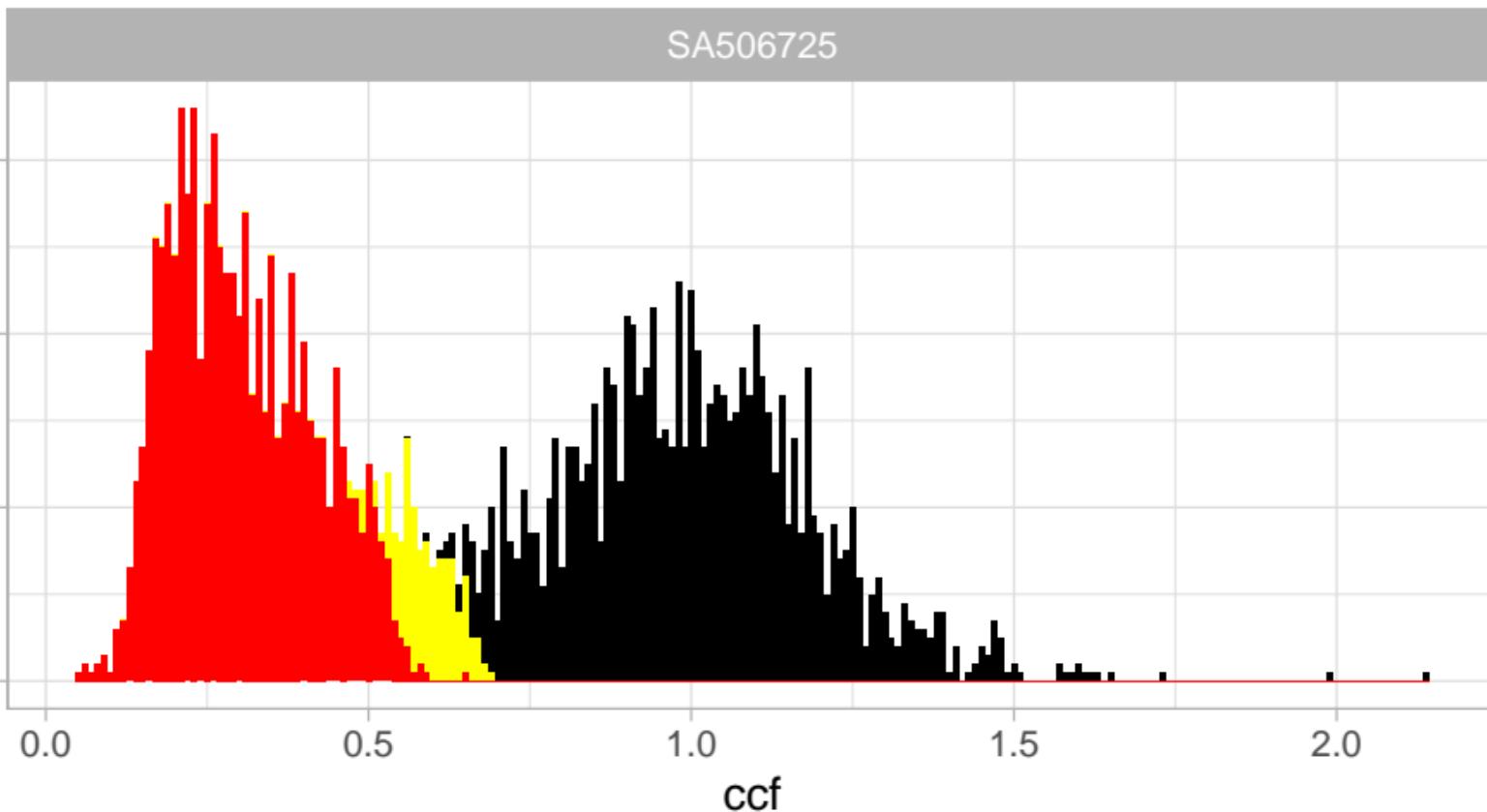
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA517420

count

100

50

0

0.0

0.5

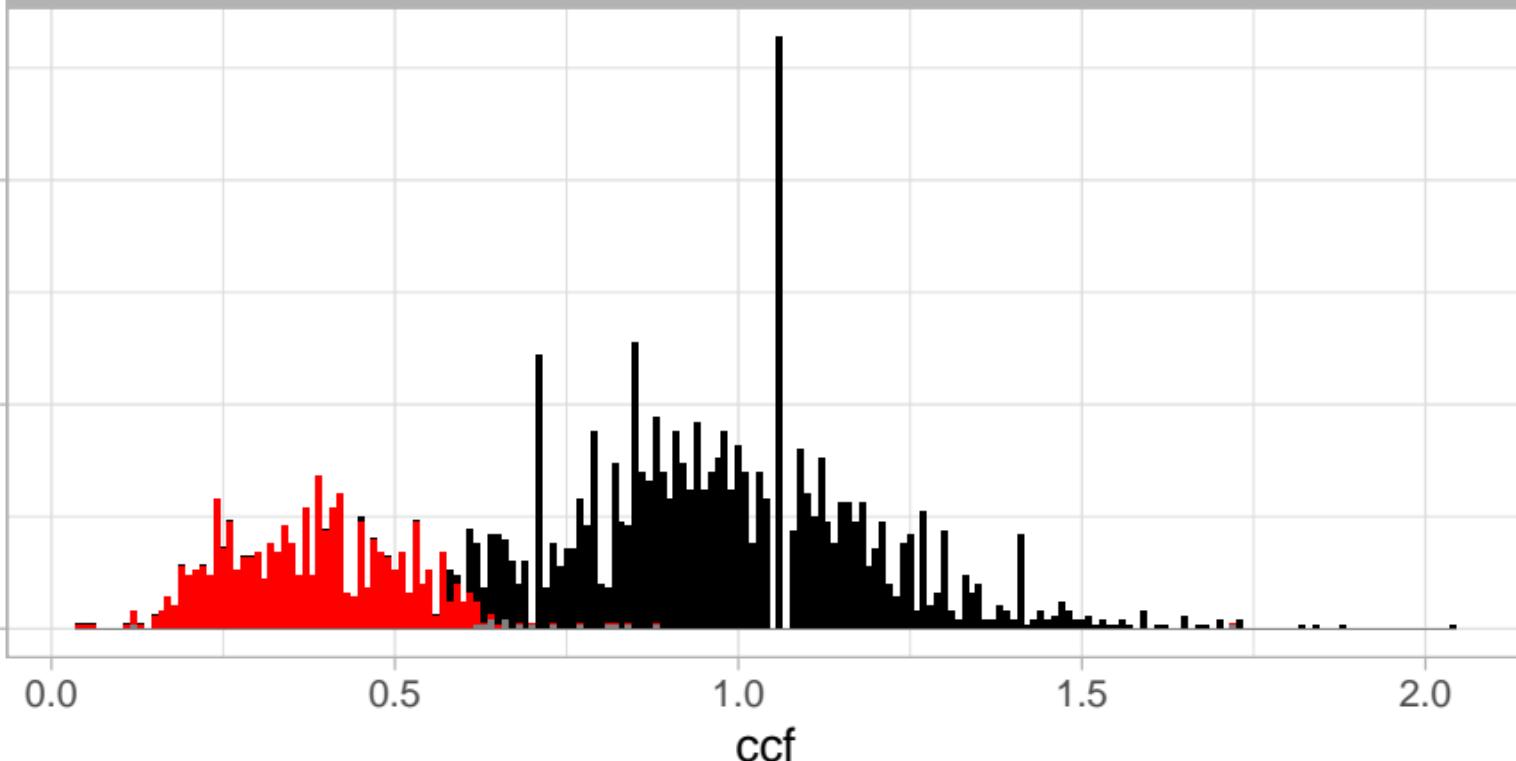
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413750

count

9
6
3
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA505503

count

150
100
50
0

0

1

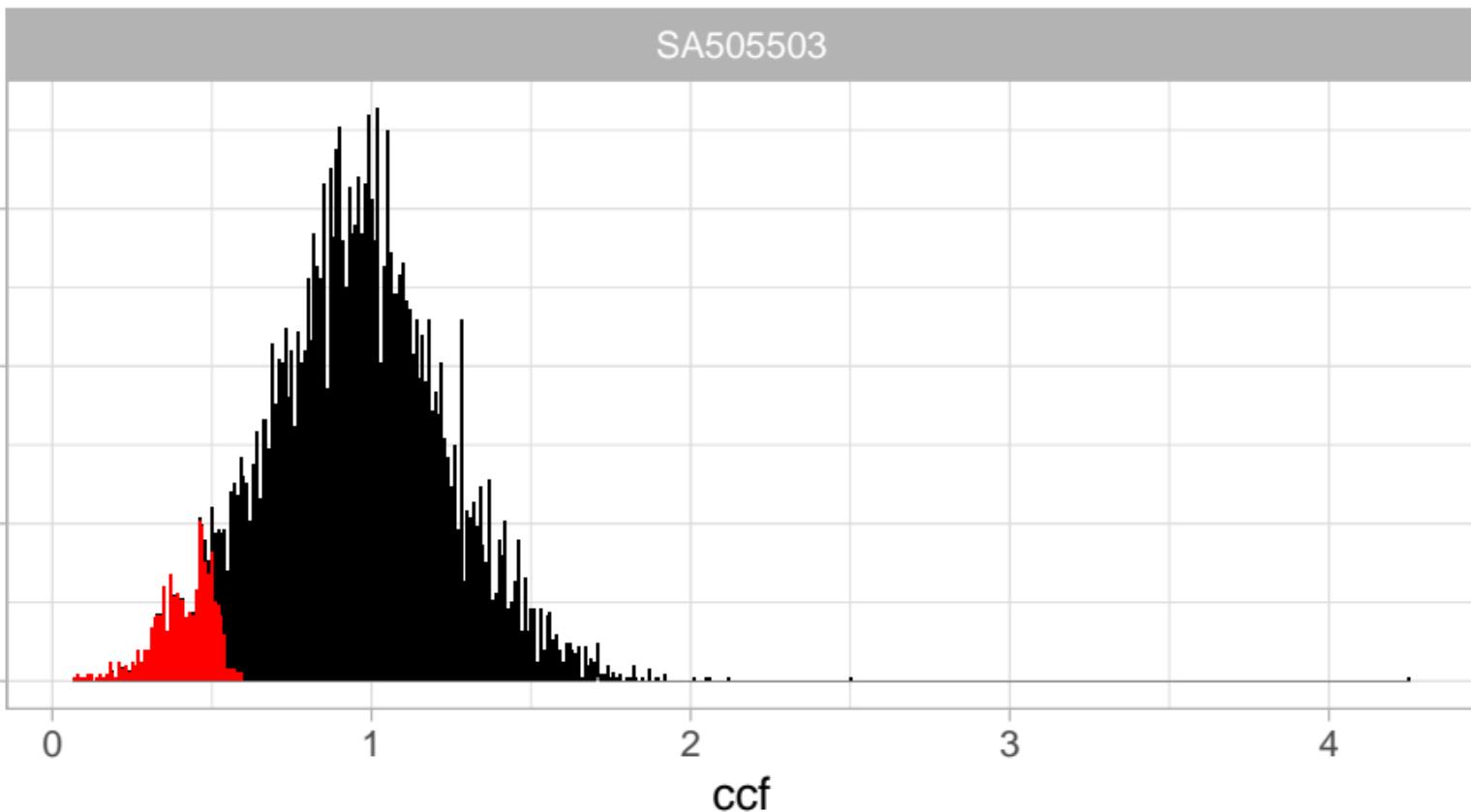
2

3

4

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542211

count

75

50

25

0

0.0

0.4

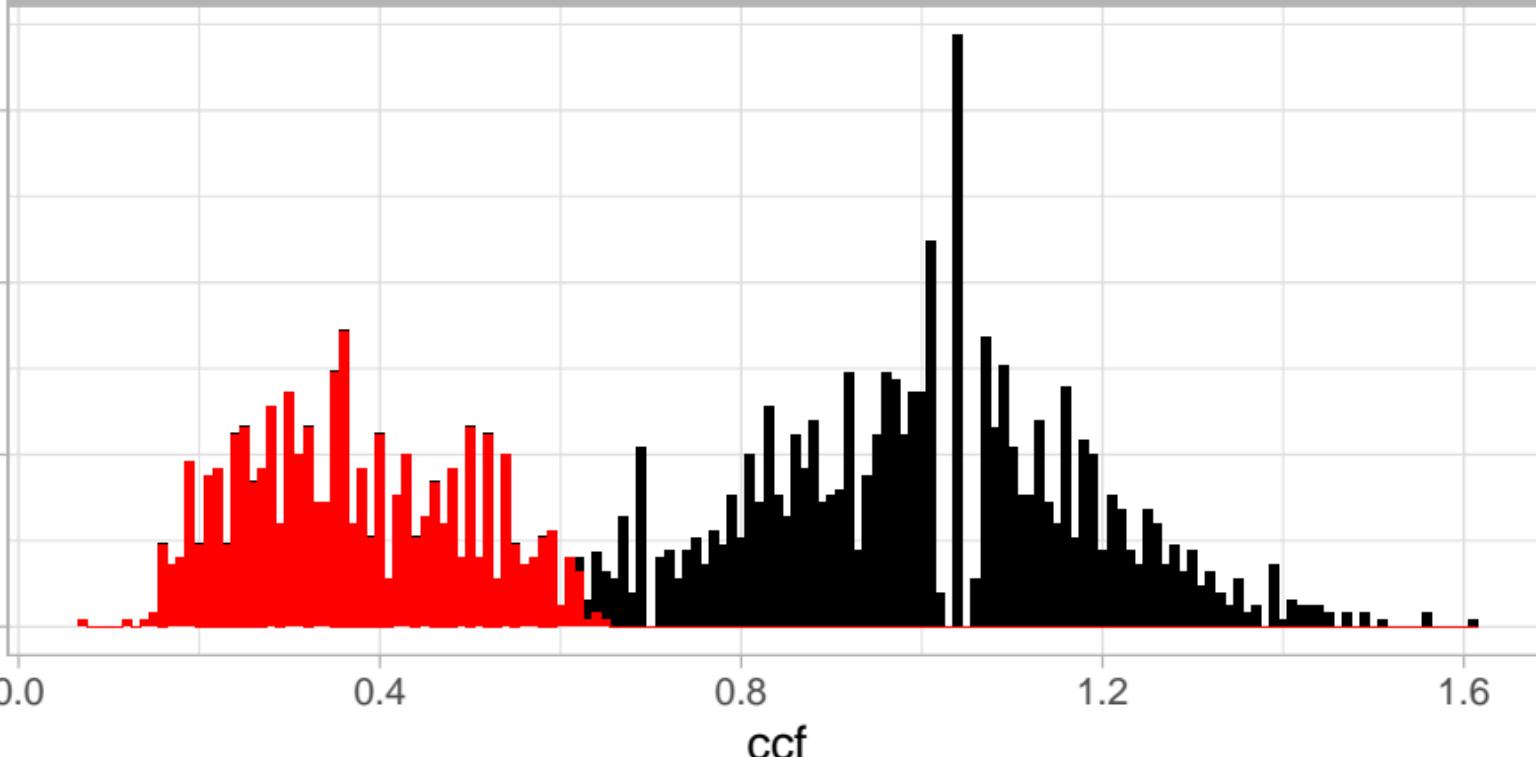
0.8

1.2

1.6

ccf

cluster tail clonal subclonal



SA85722

count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA320920

count

150

100

50

0

0.0

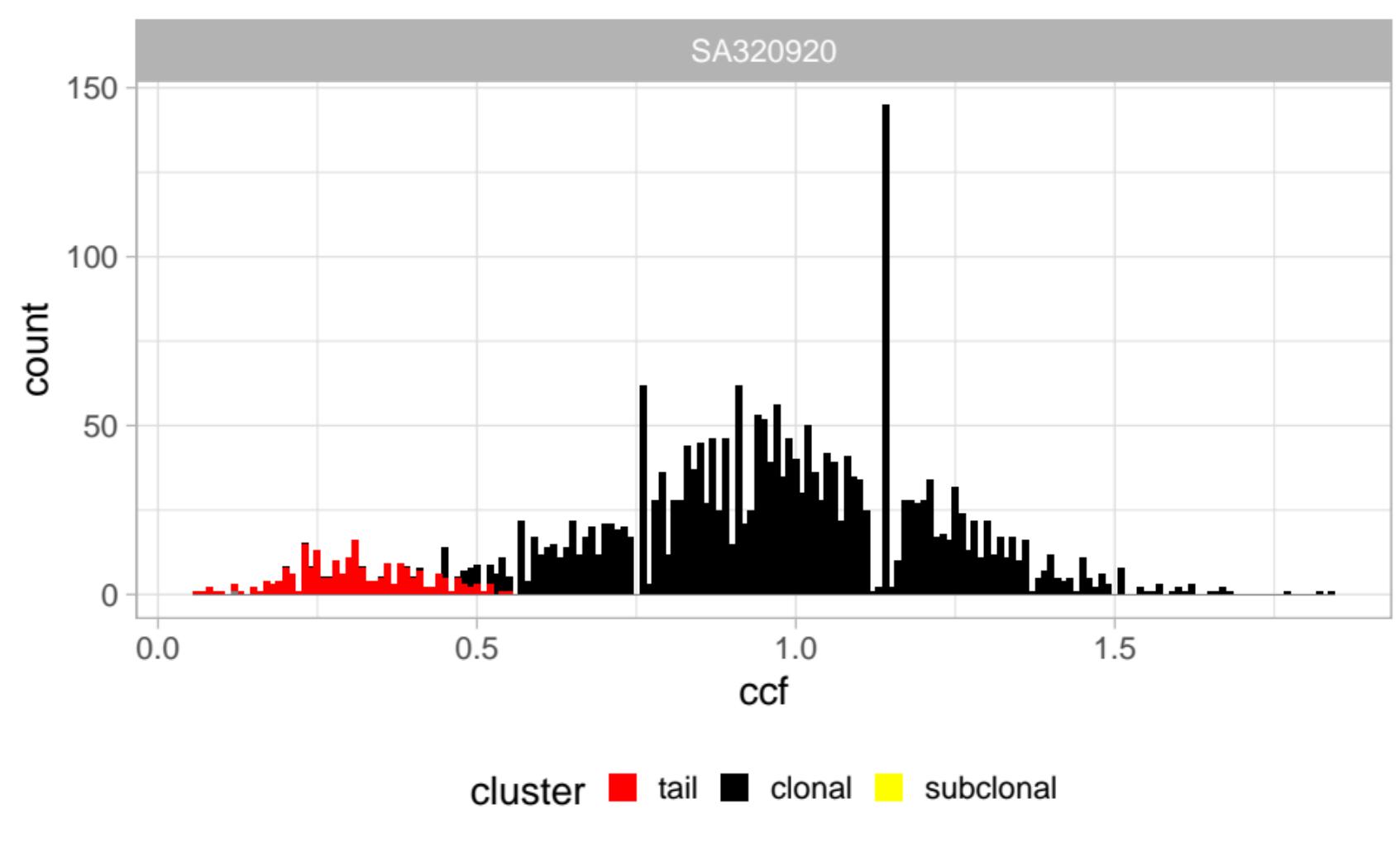
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501599

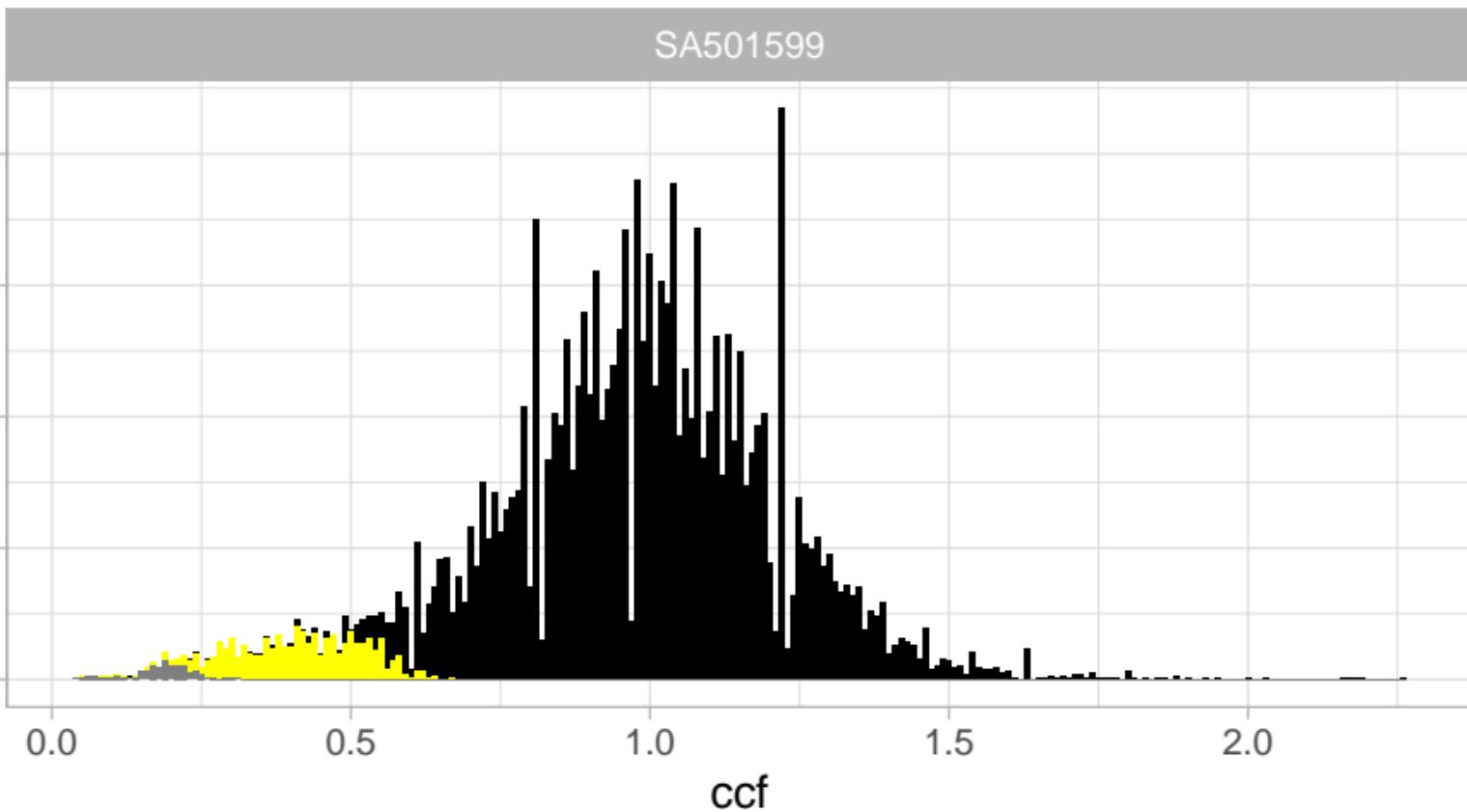
count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA507584

count

200
100
0

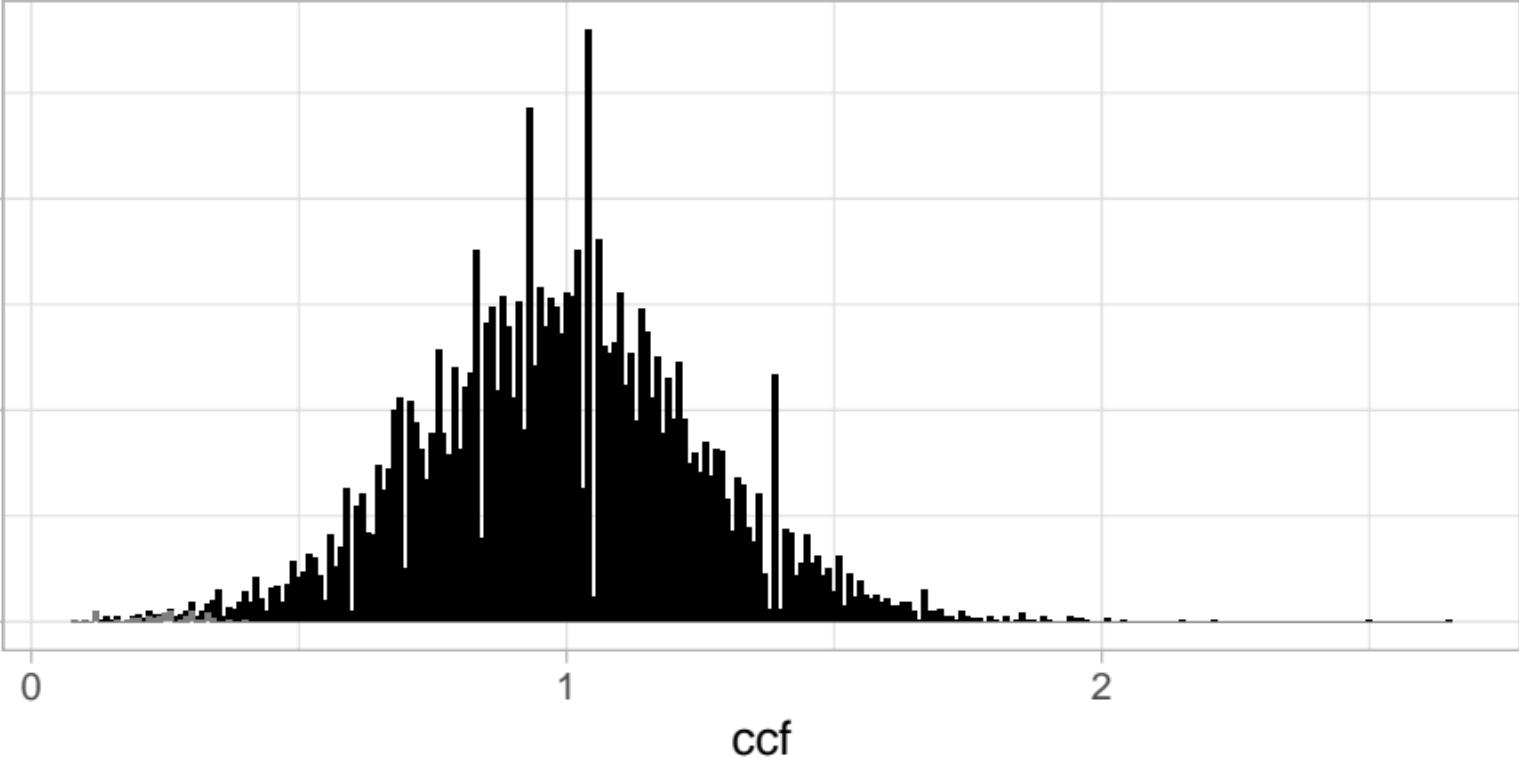
0

1

2

ccf

cluster tail clonal subclonal



SA413538

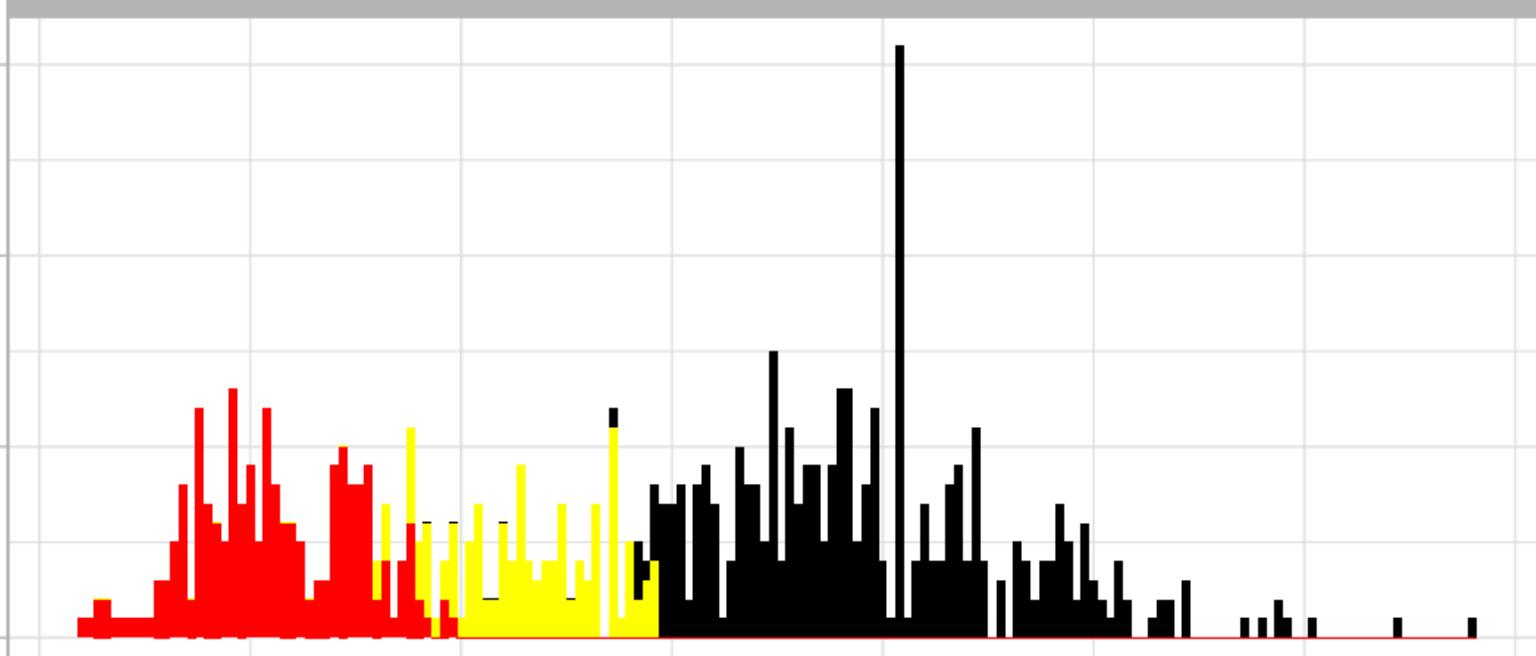
count

30
20
10
0

0.0 0.5 1.0 1.5

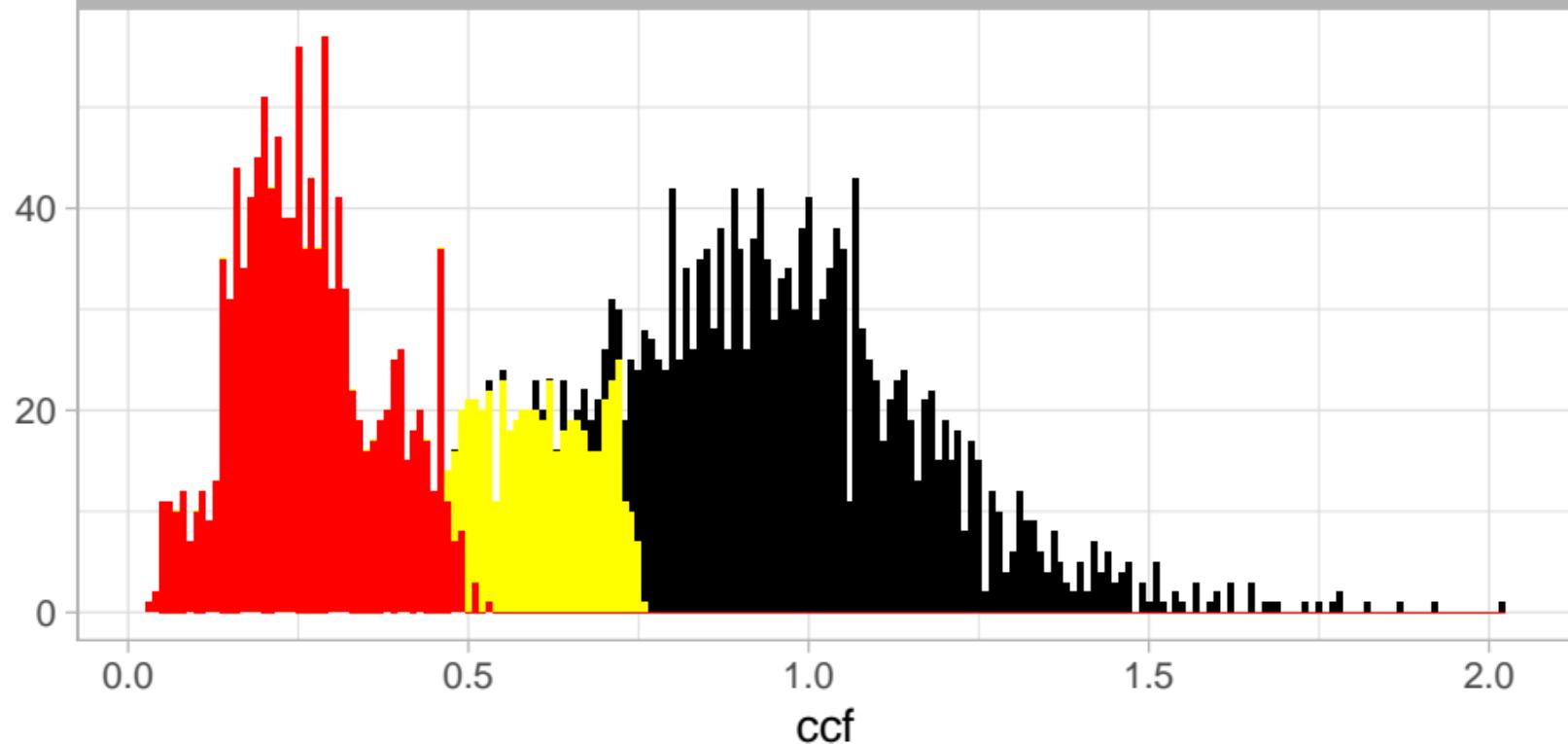
ccf

cluster tail clonal subclonal



SA530586

count



cluster ■ tail ■ clonal ■ subclonal

SA517288

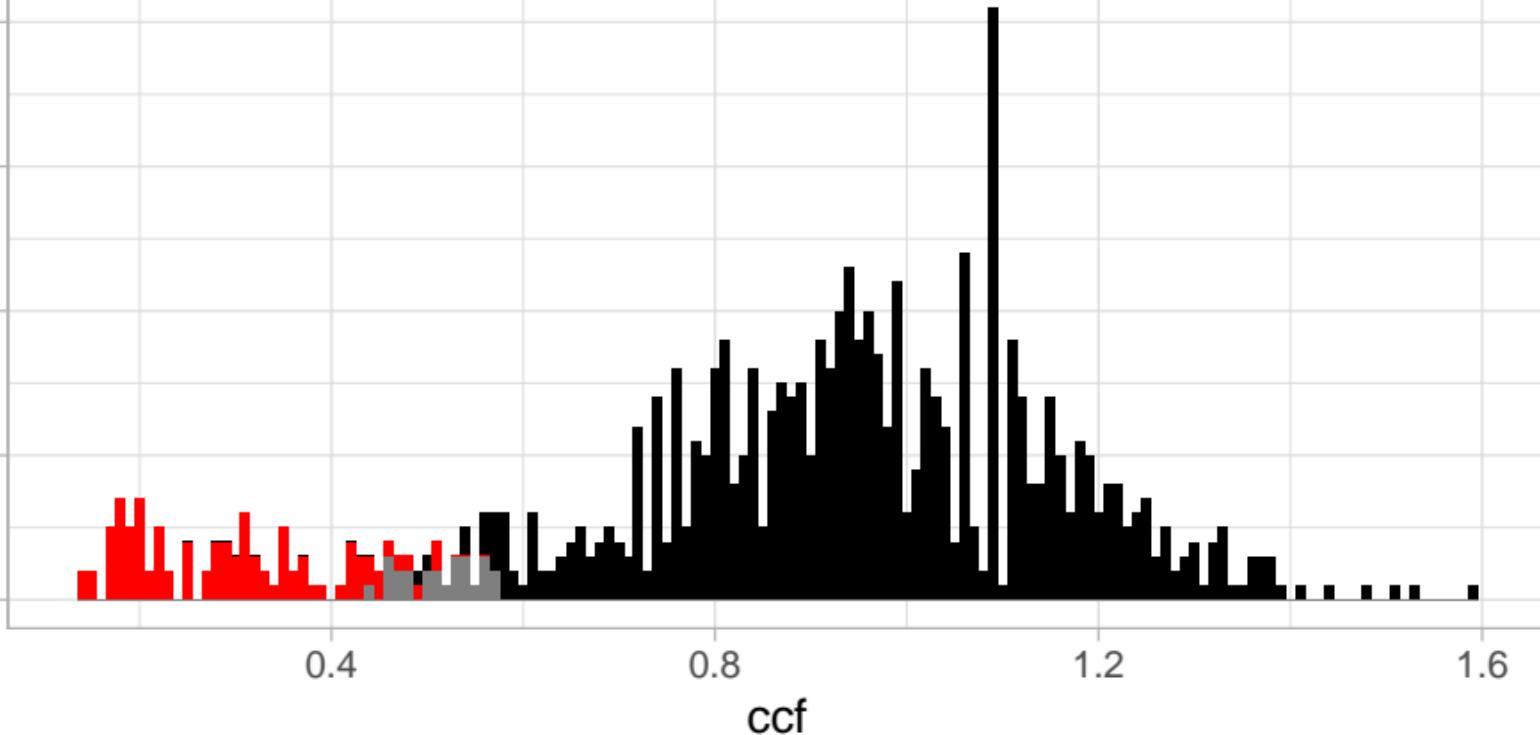
count

40
30
20
10
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA518748

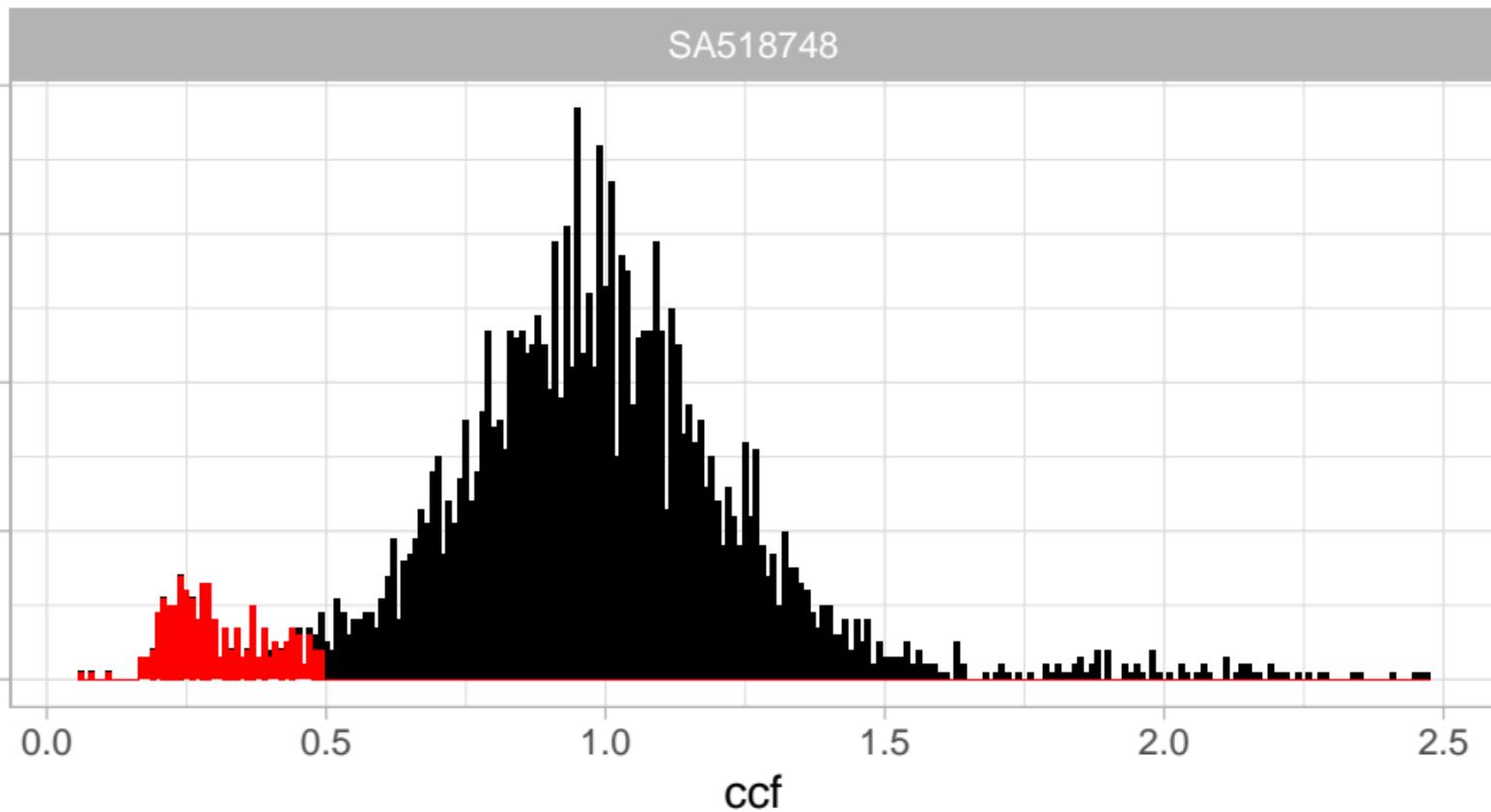
count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA518866

count

100
75
50
25
0

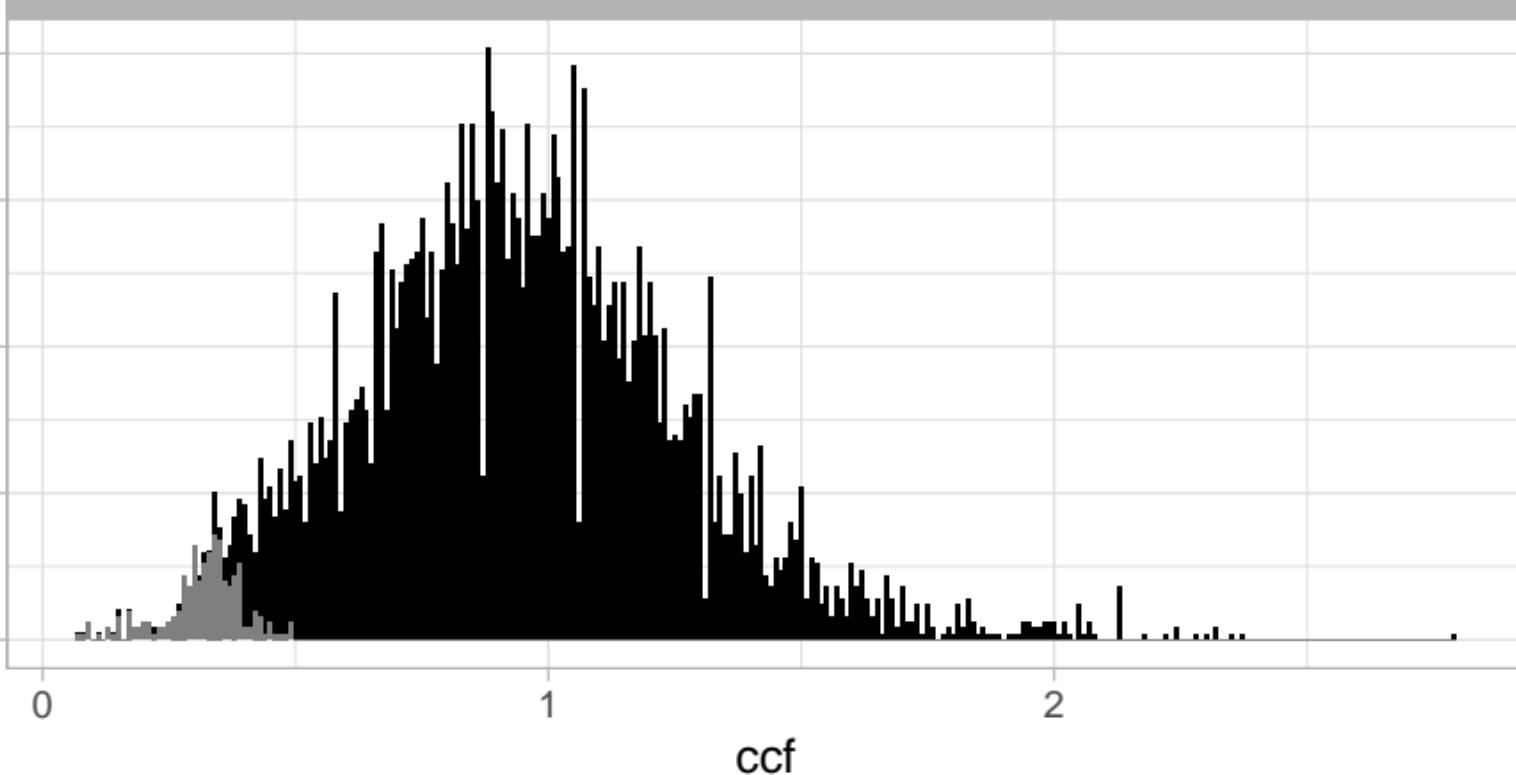
0

1

2

ccf

cluster tail clonal subclonal



SA501603

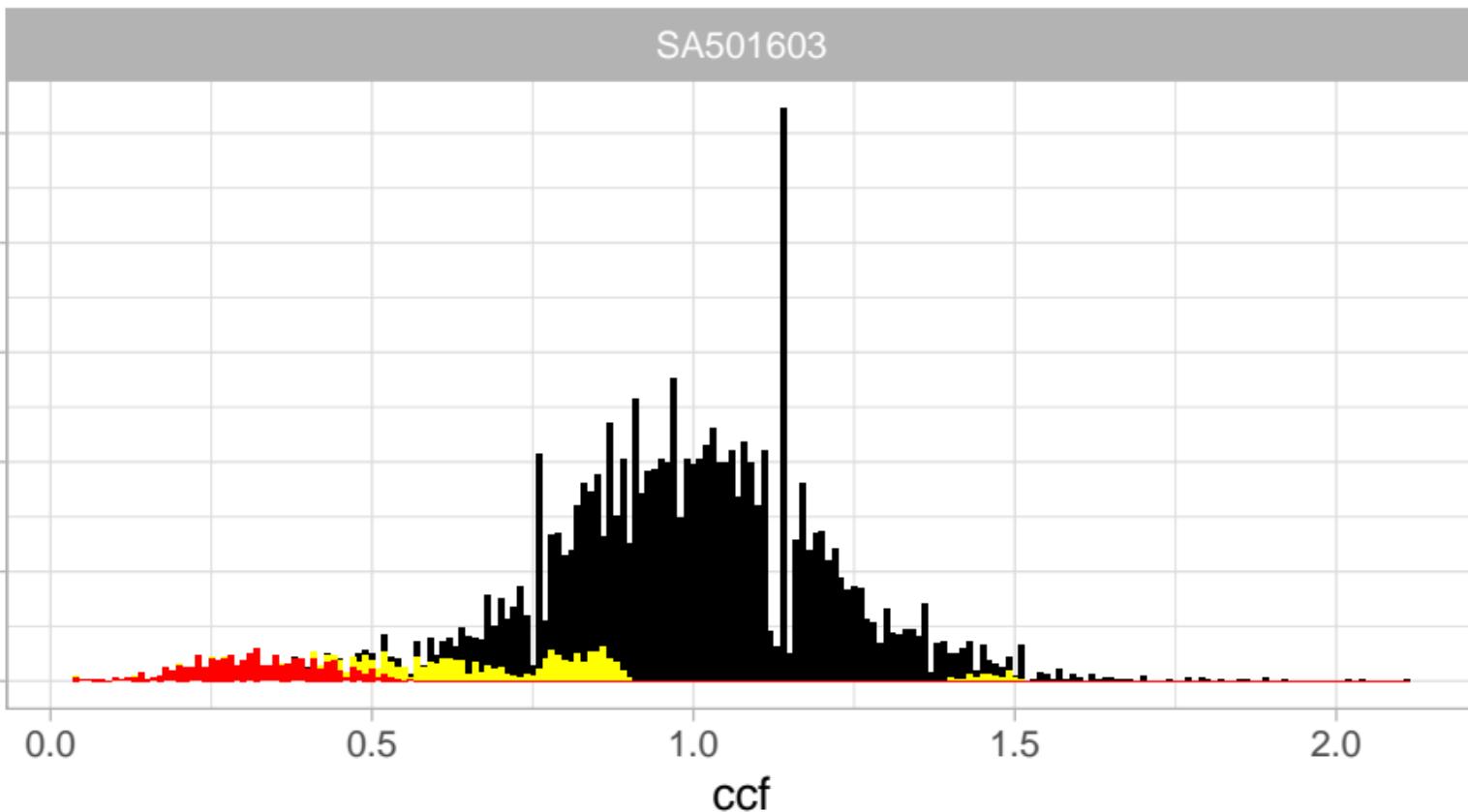
count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557668

count

600
400
200
0

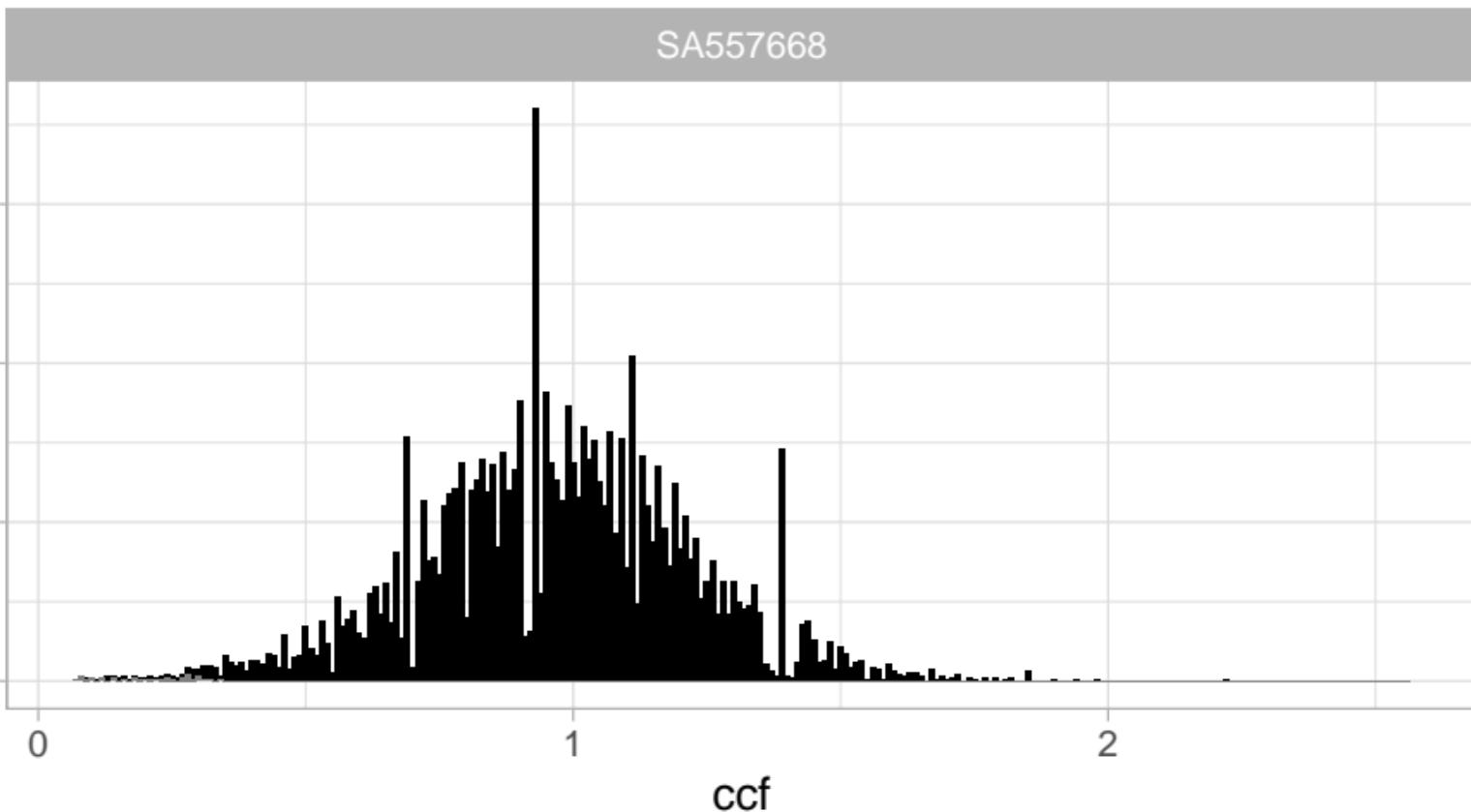
0

1

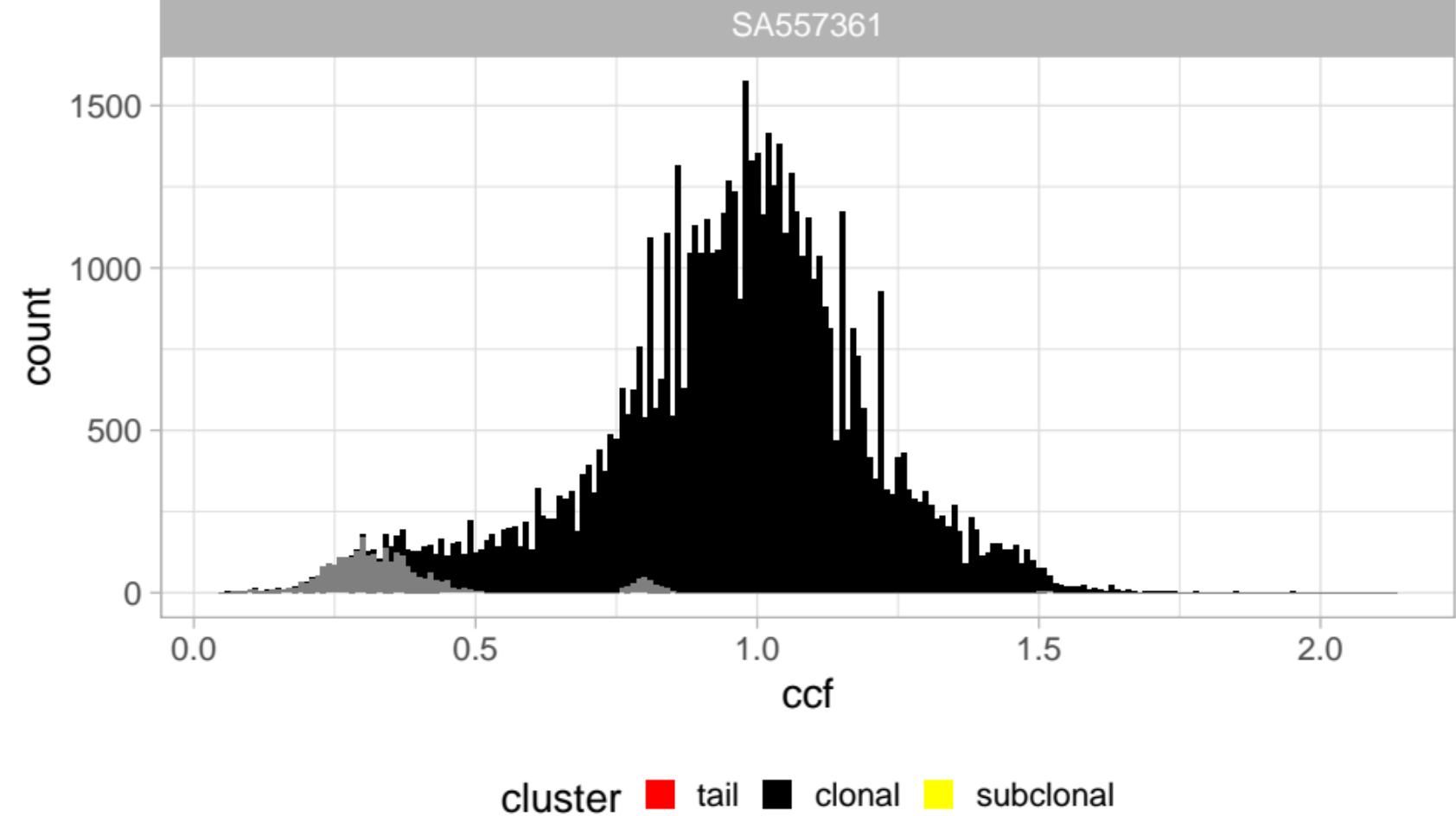
2

ccf

cluster tail clonal subclonal



SA557361



SA505885

count

100
50
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA501423

count

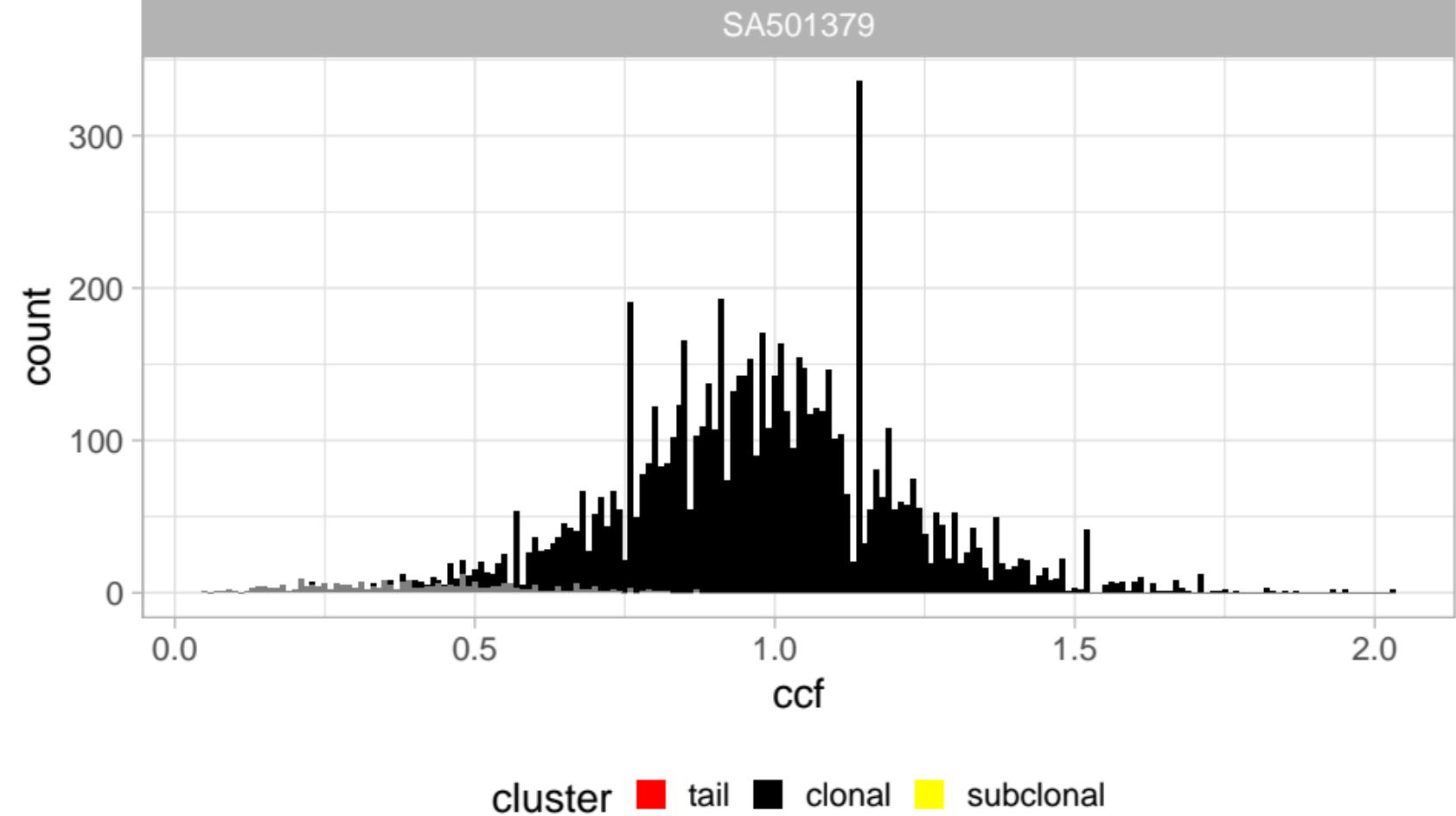
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA501379



SA505950

count

300

200

100

0

0.0

0.5

1.0

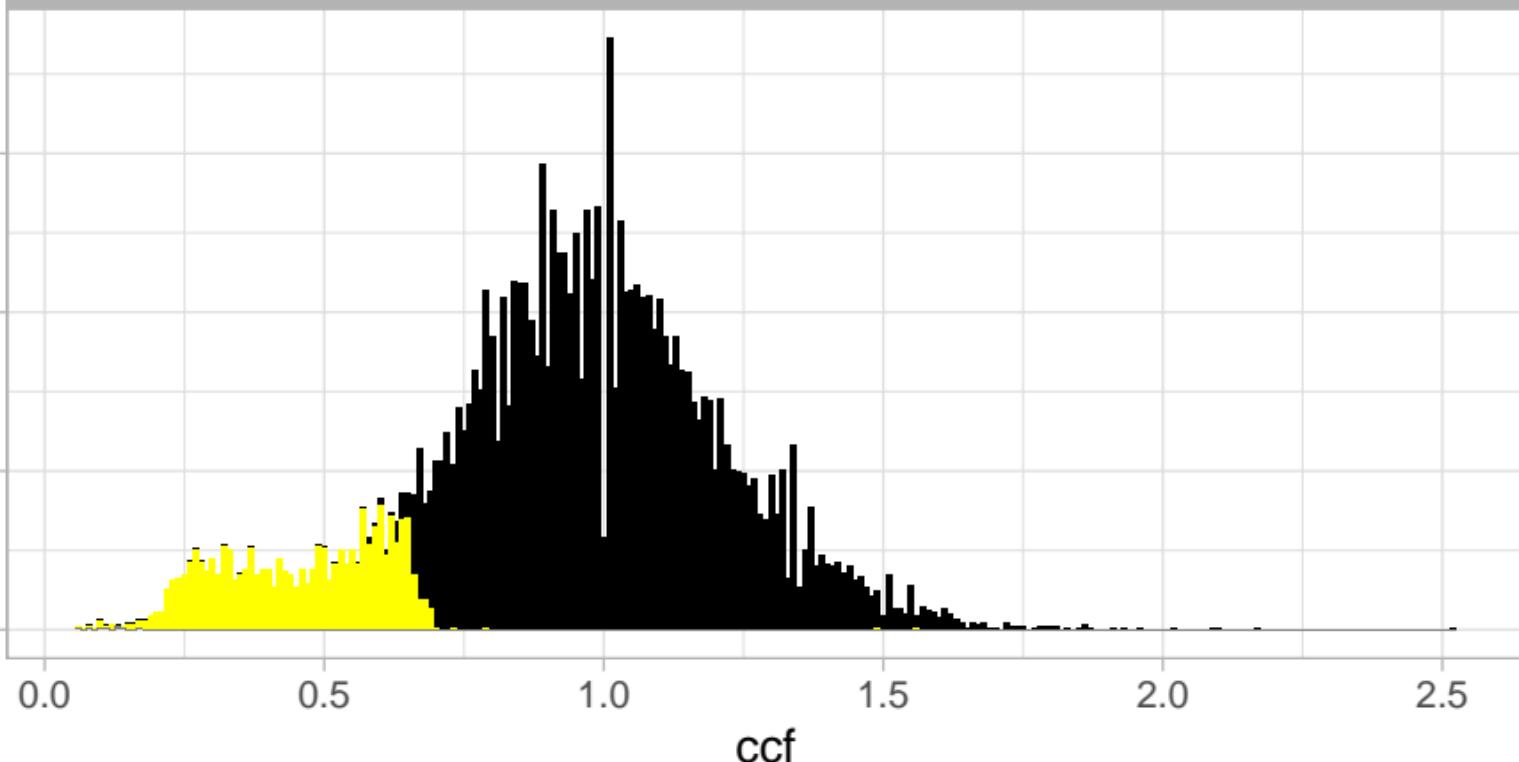
1.5

2.0

2.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530562

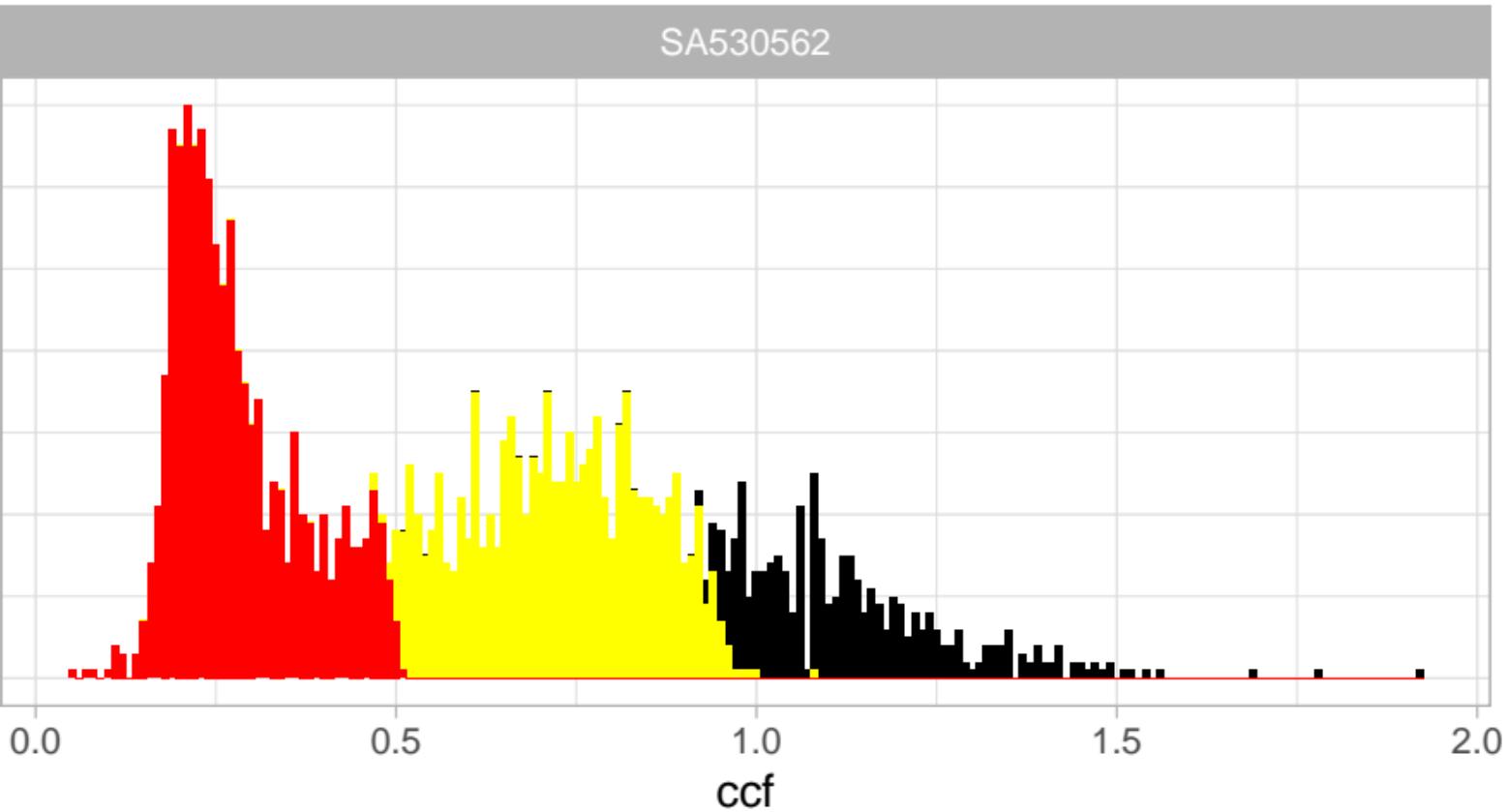
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542454

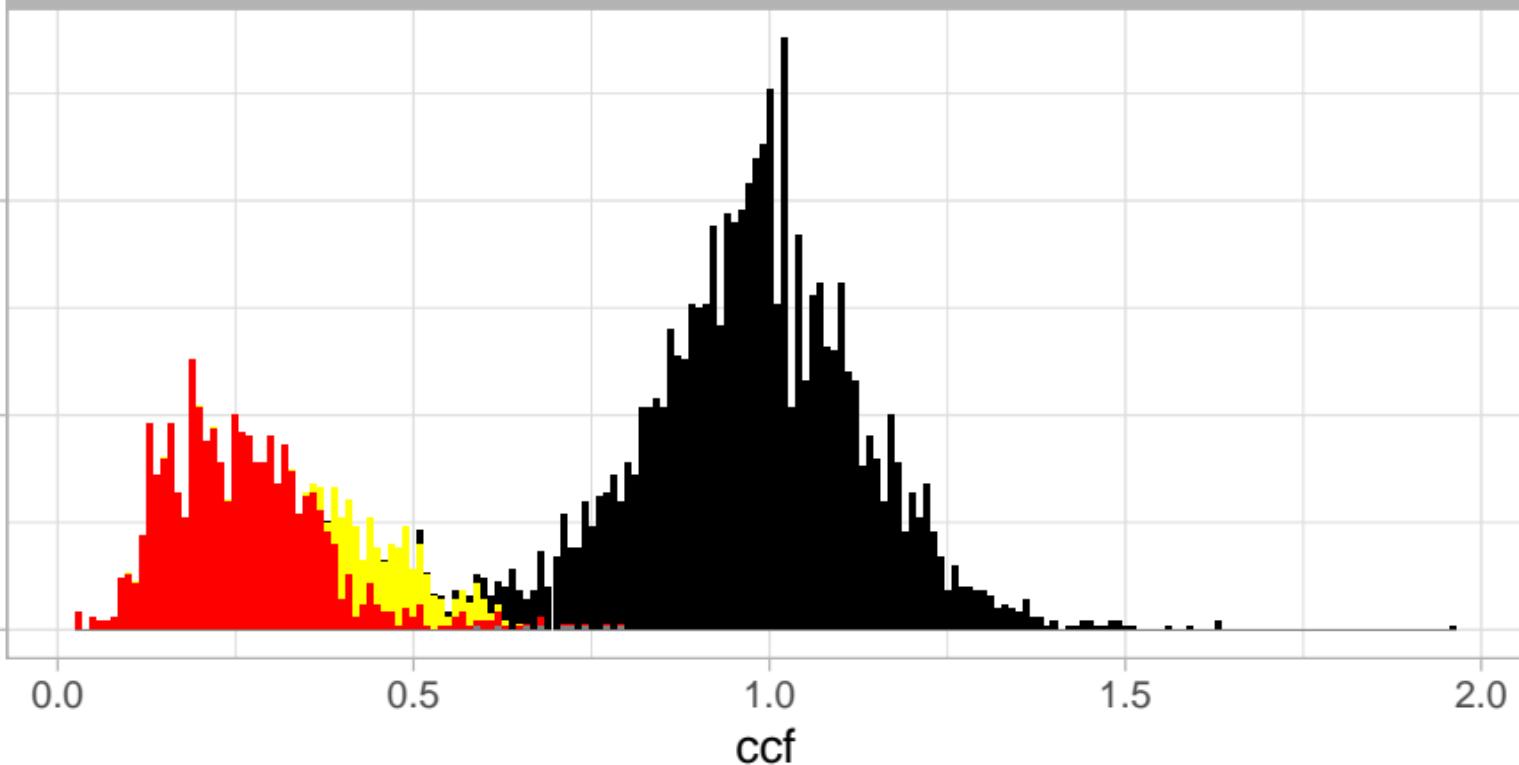
count

100
50
0

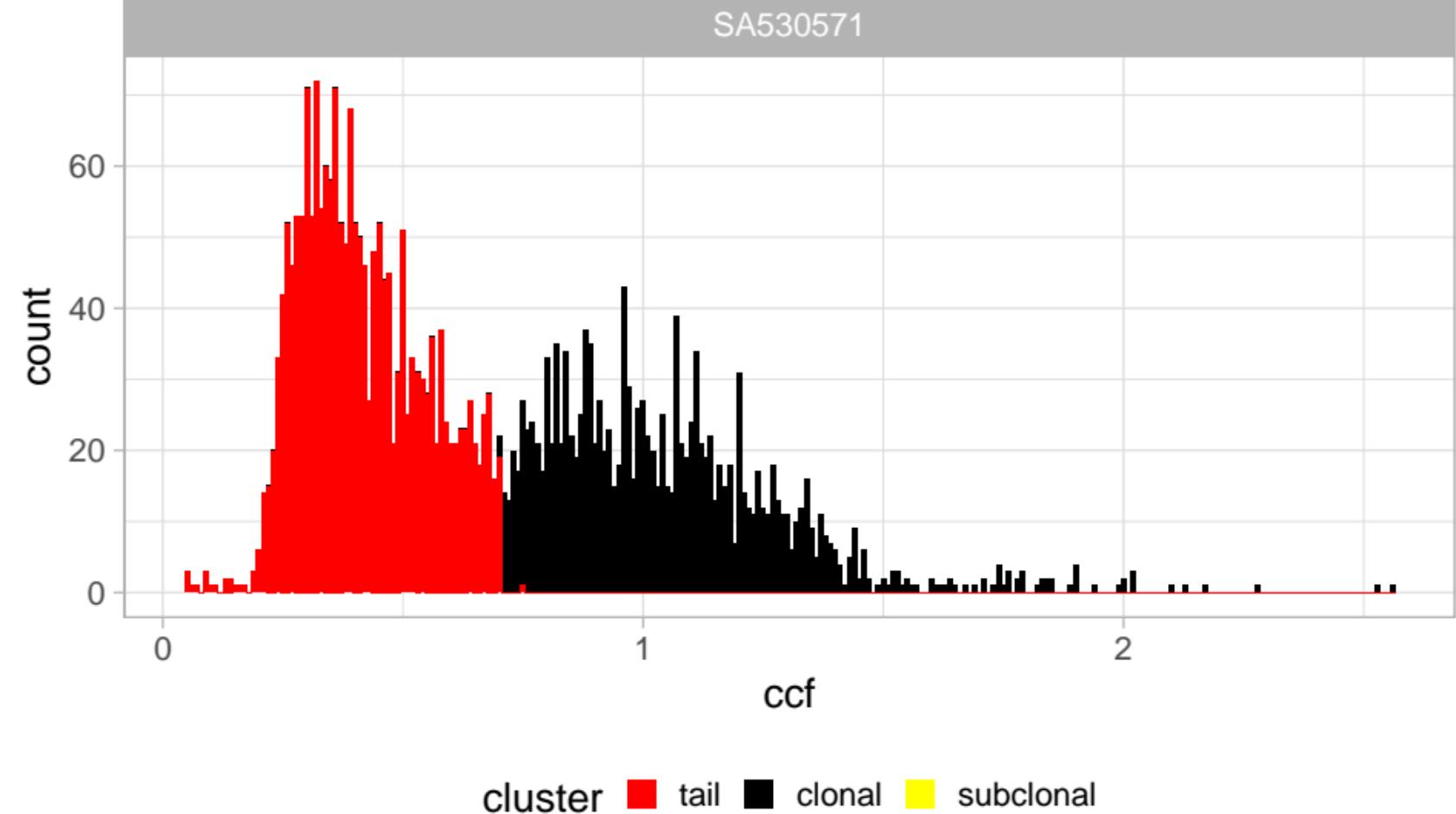
0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530571



cluster ■ tail ■ clonal ■ subclonal

SA542193

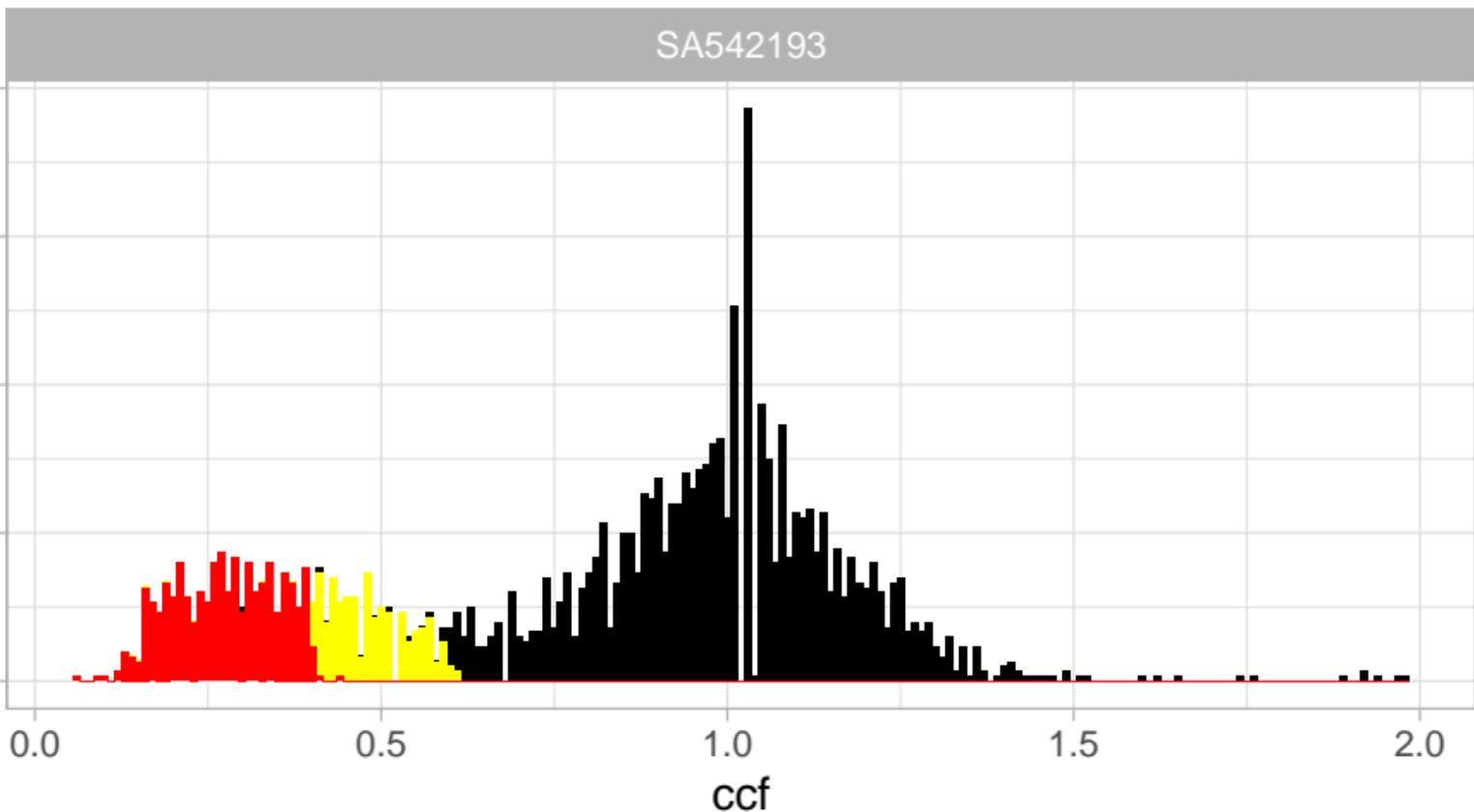
count

120
90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA570859

count

100

75

50

25

0

0.0

0.5

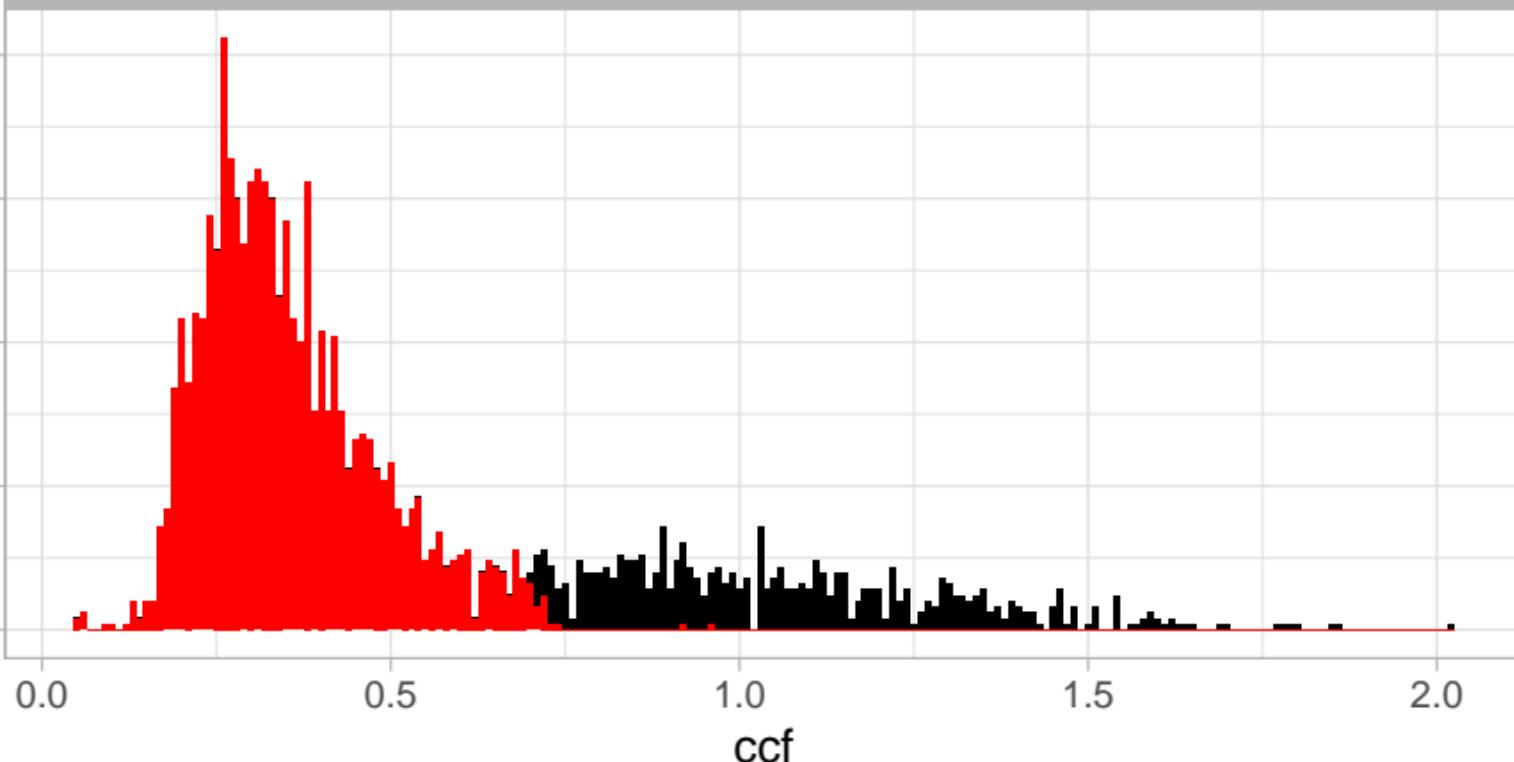
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542879

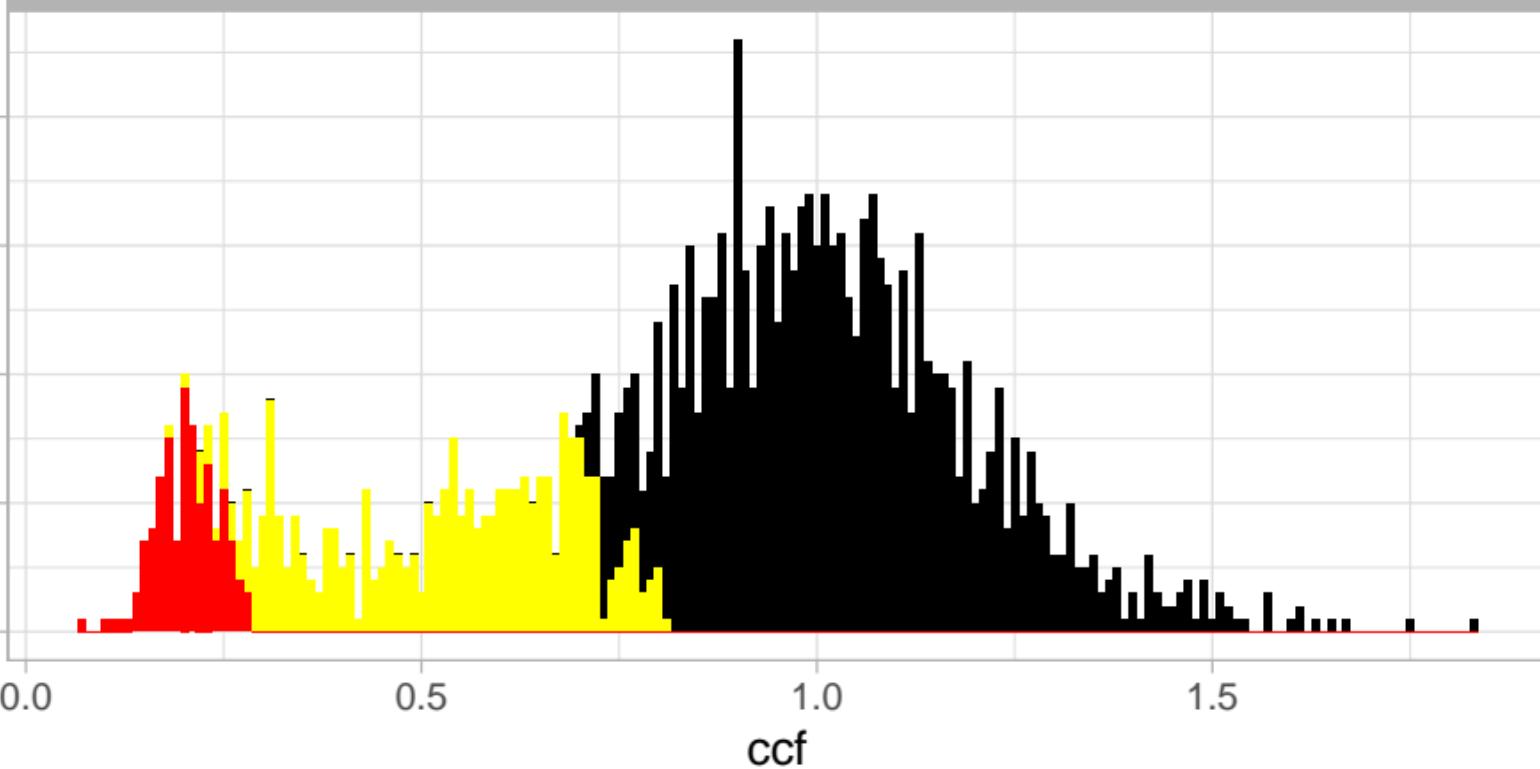
count

40
30
20
10
0

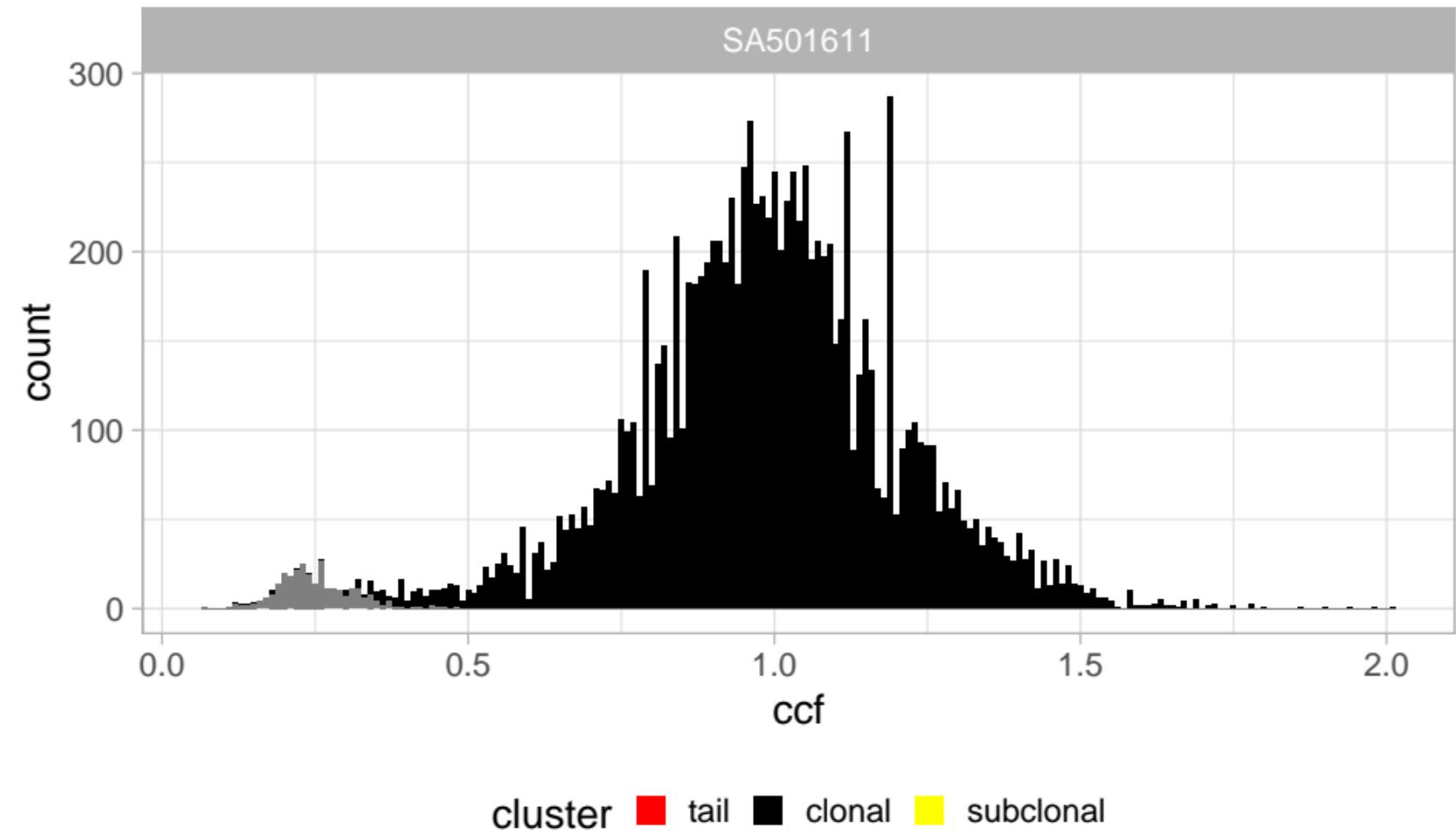
0.0 0.5 1.0 1.5

ccf

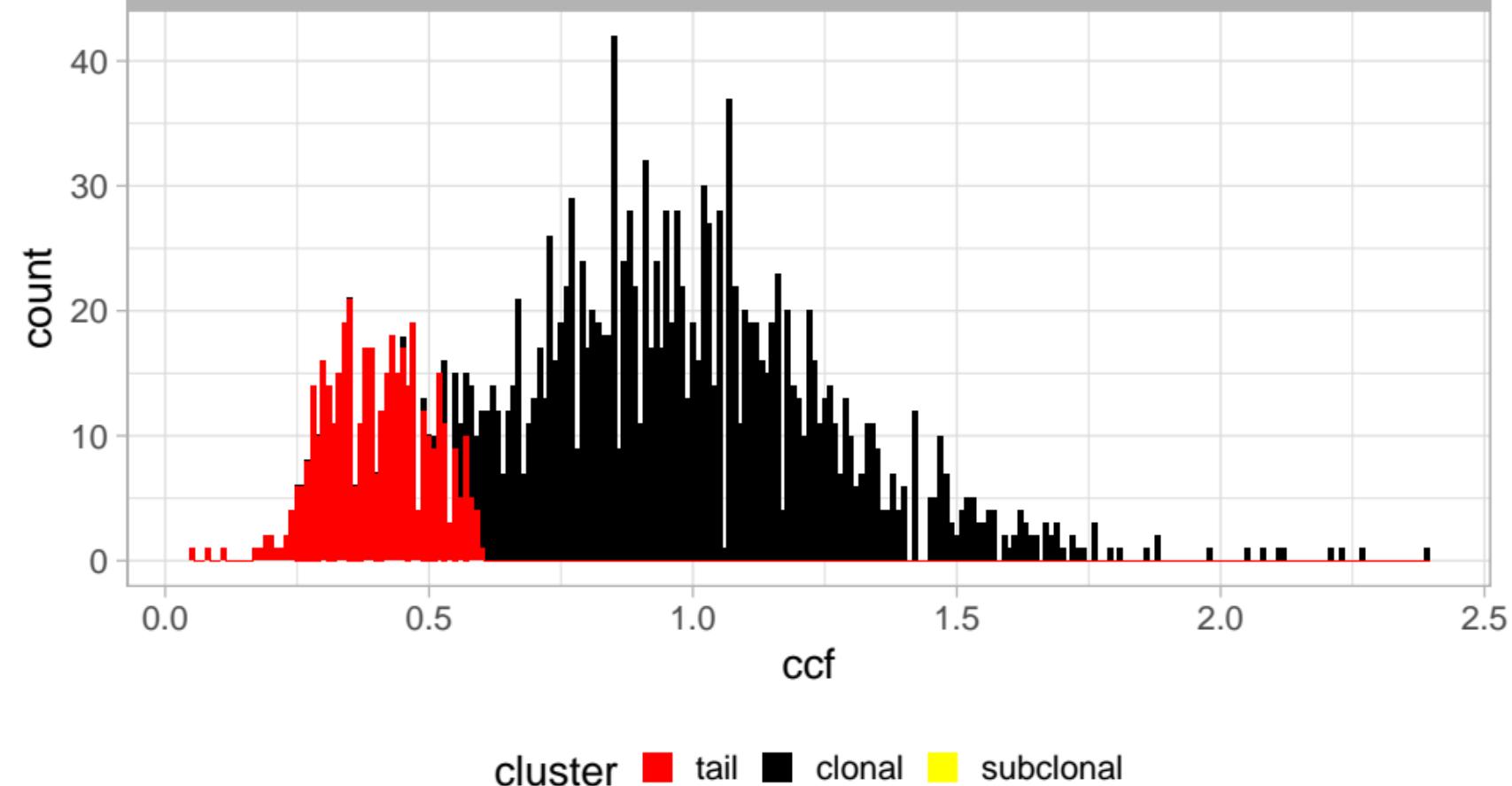
cluster tail clonal subclonal



SA501611



SA530654



SA557541

count

4000
2000
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA570847

count

200

150

100

50

0

0.0

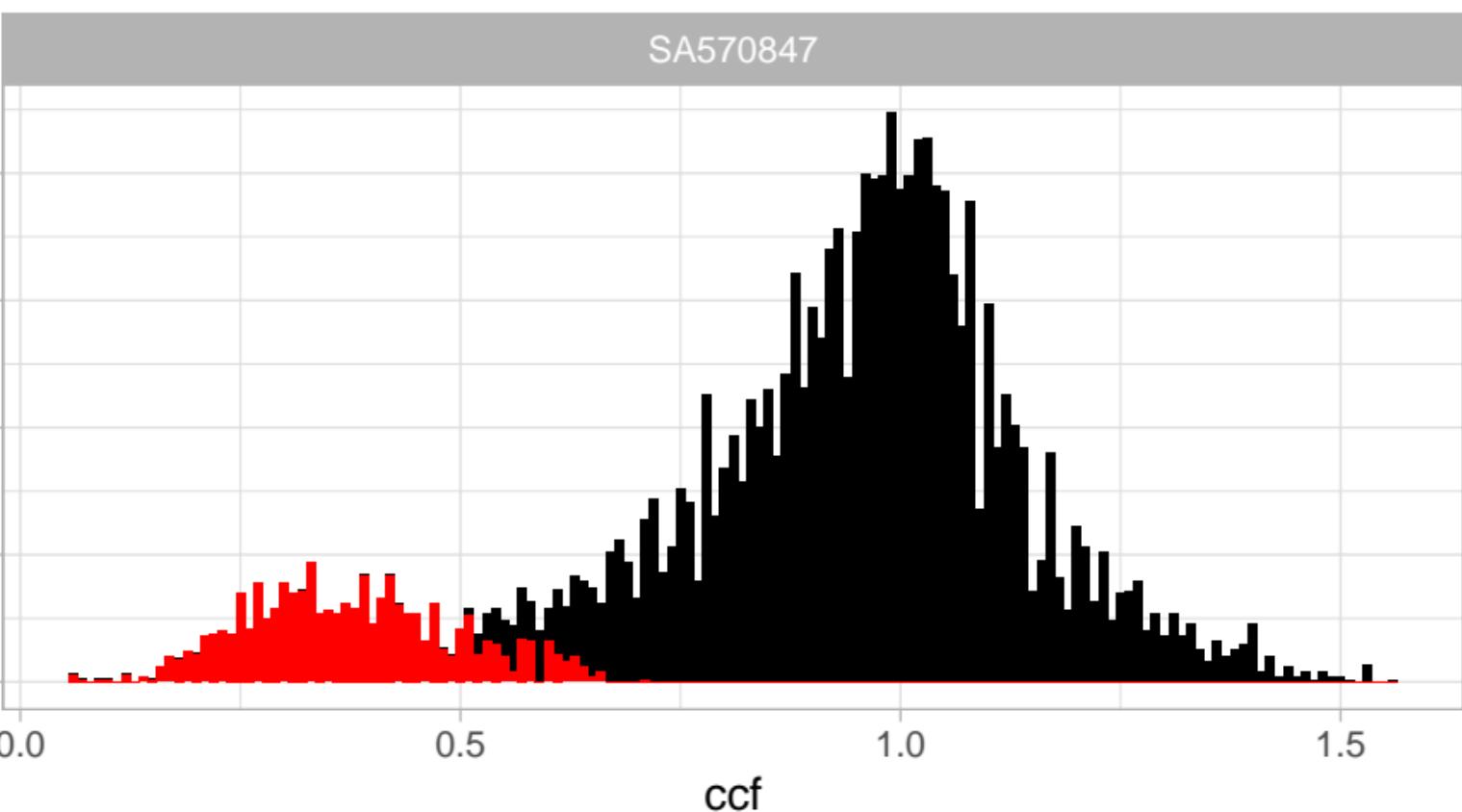
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA542217

count

150
100
50
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA413672

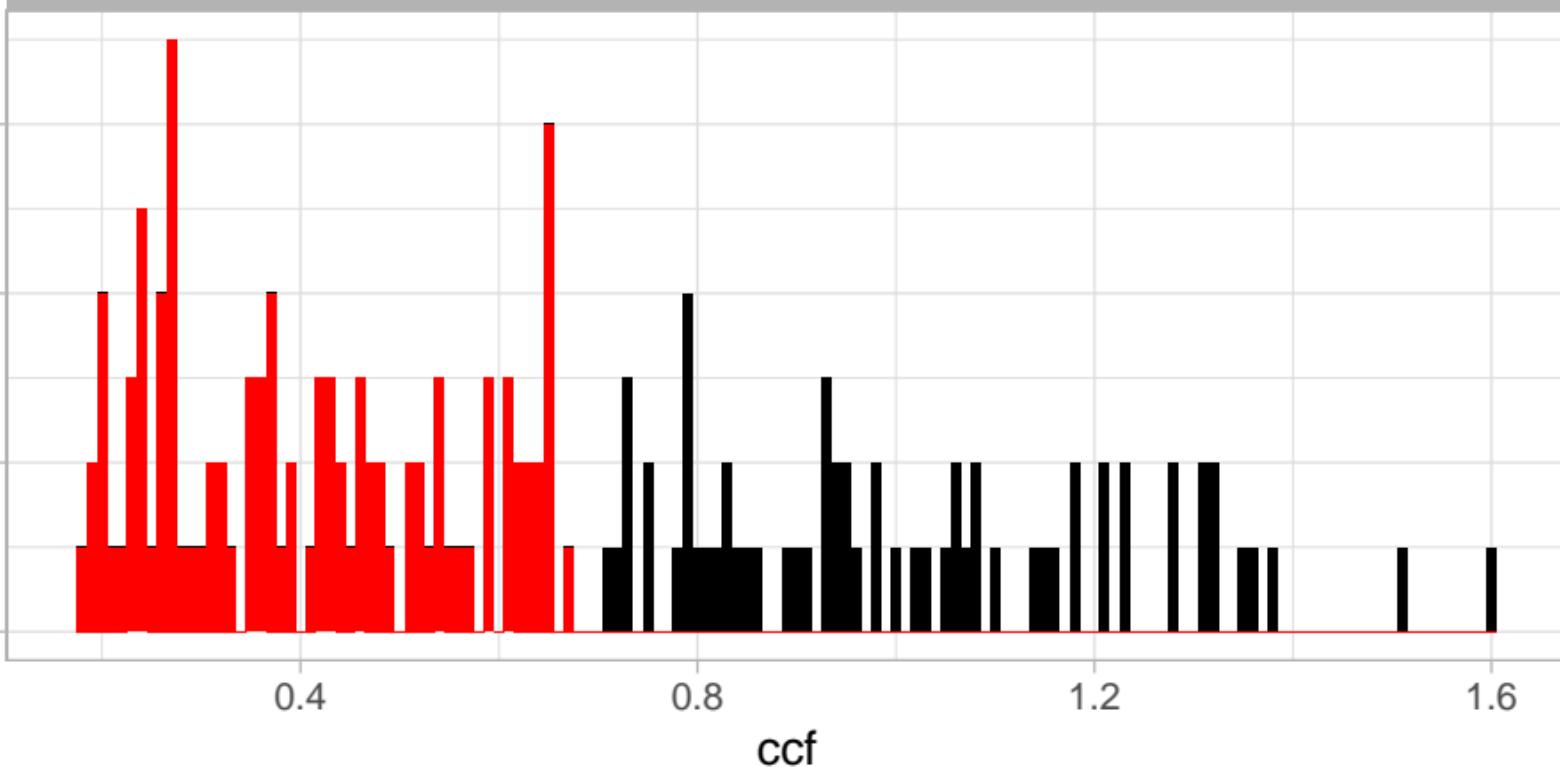
count

6
4
2
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA499801

count

300
200
100
0

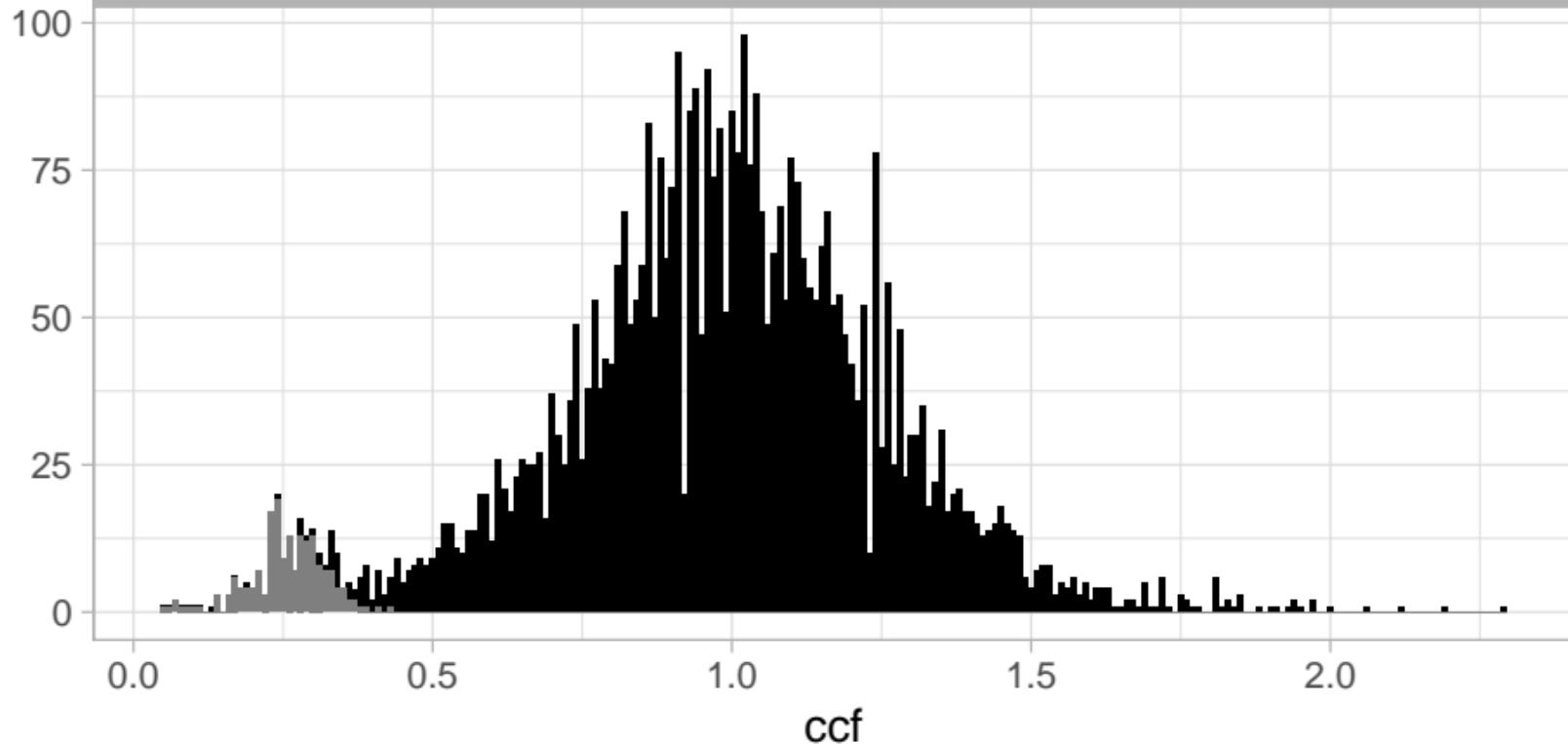
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA411737

count



cluster tail clonal subclonal

SA501615

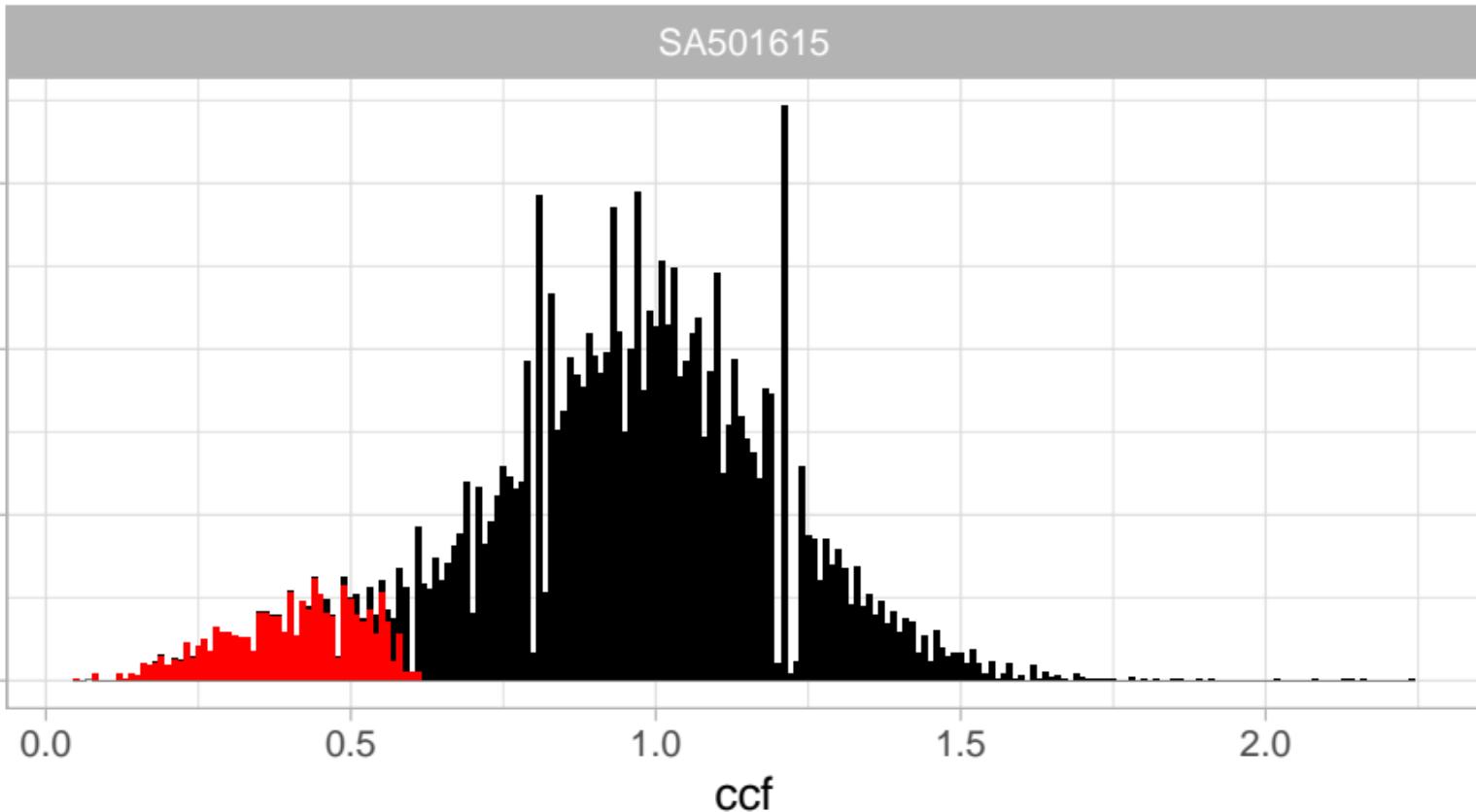
count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542087

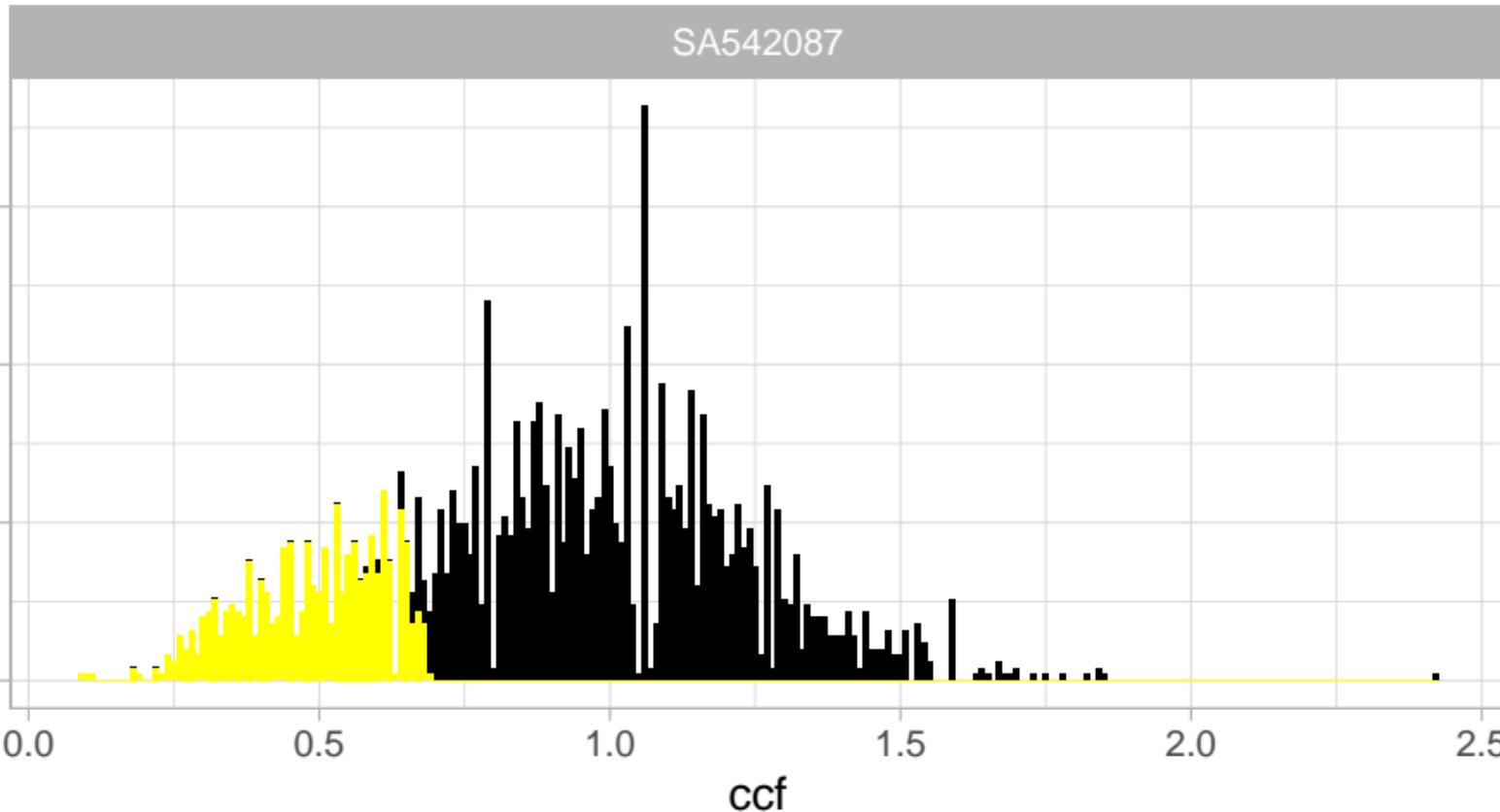
count

75
50
25
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA528838

count

600
400
200
0

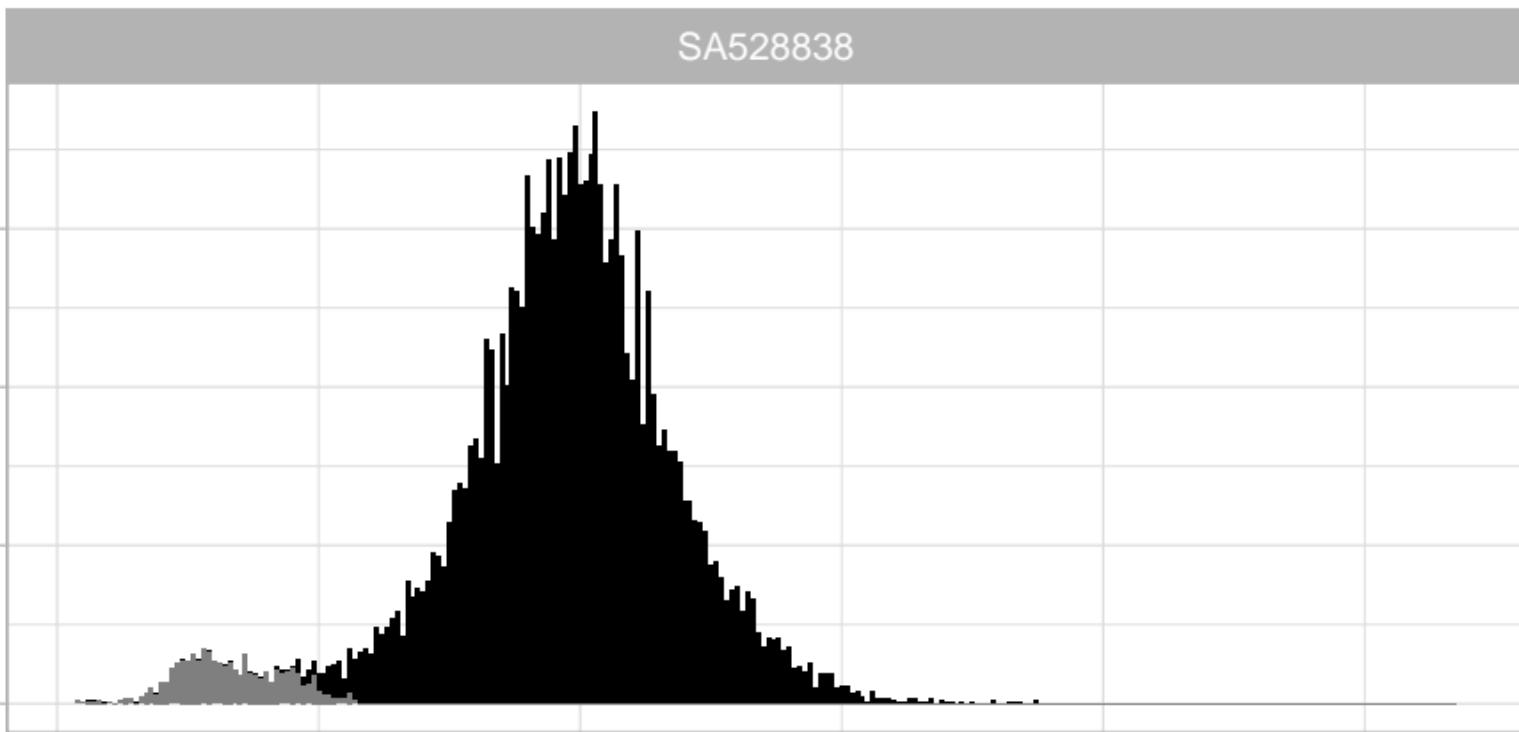
0

1

2

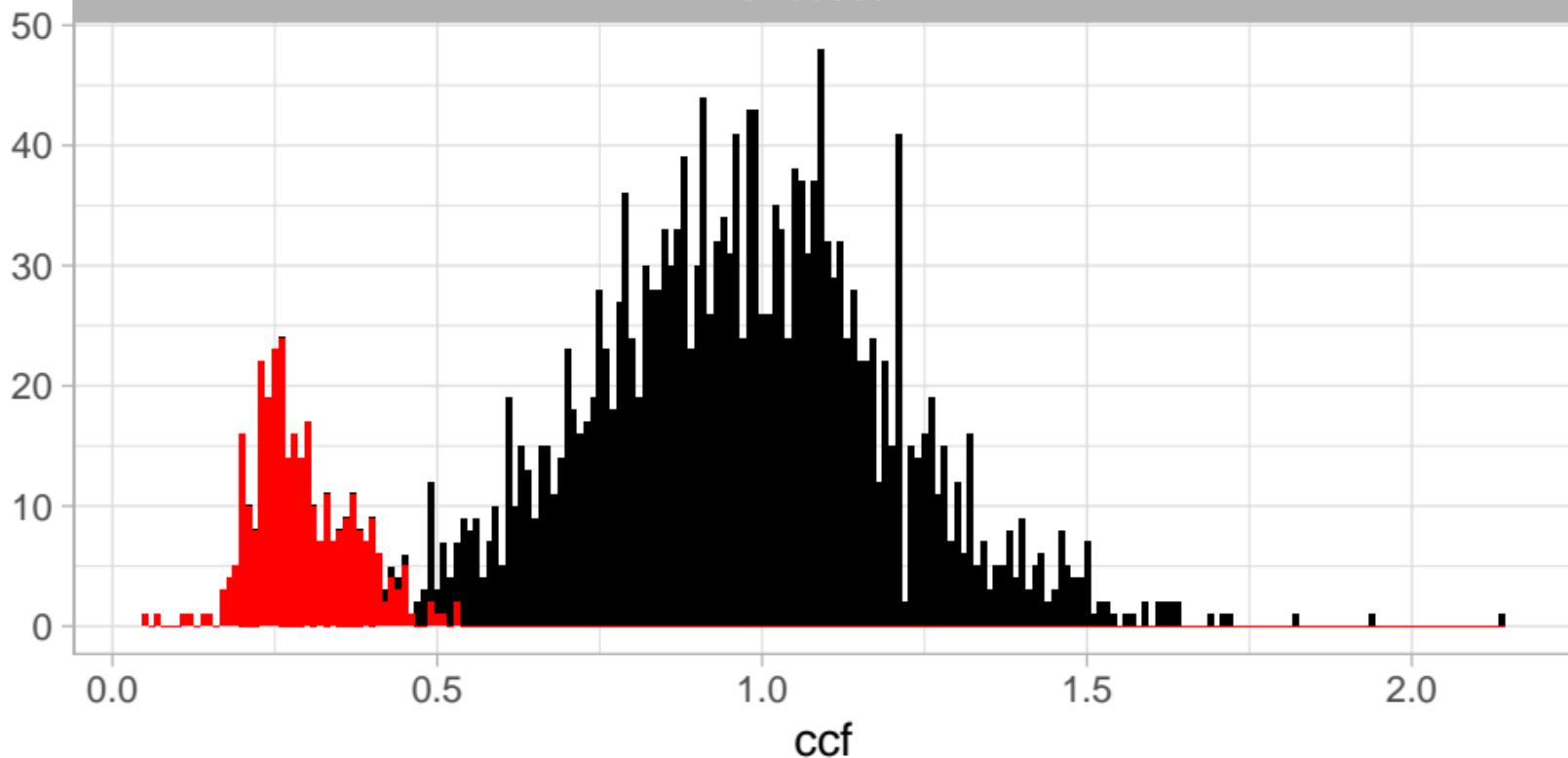
ccf

cluster tail clonal subclonal



SA530652

count



cluster ■ tail ■ clonal ■ subclonal

SA501619

count

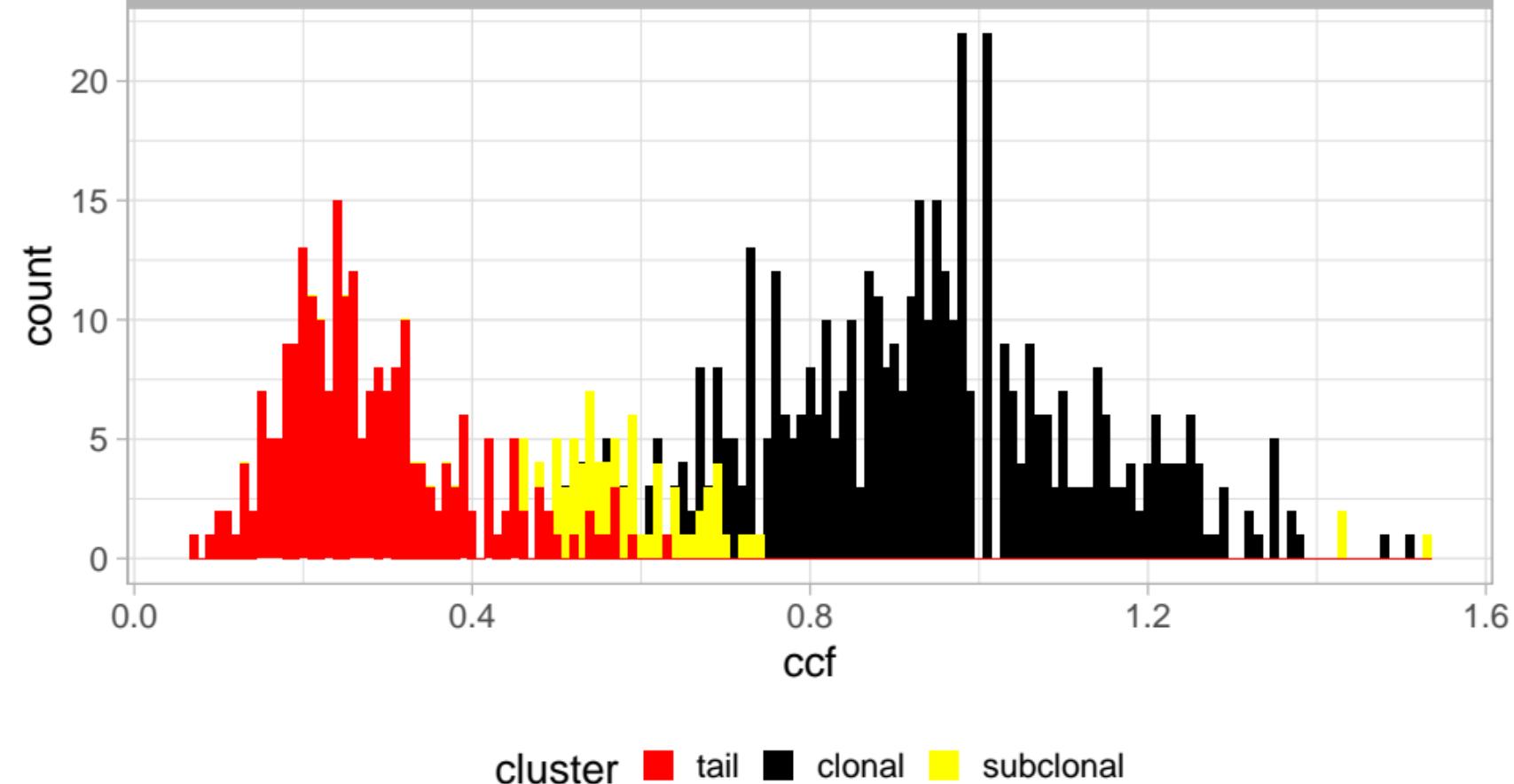
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517260



SA507503

count

200
150
100
50
0

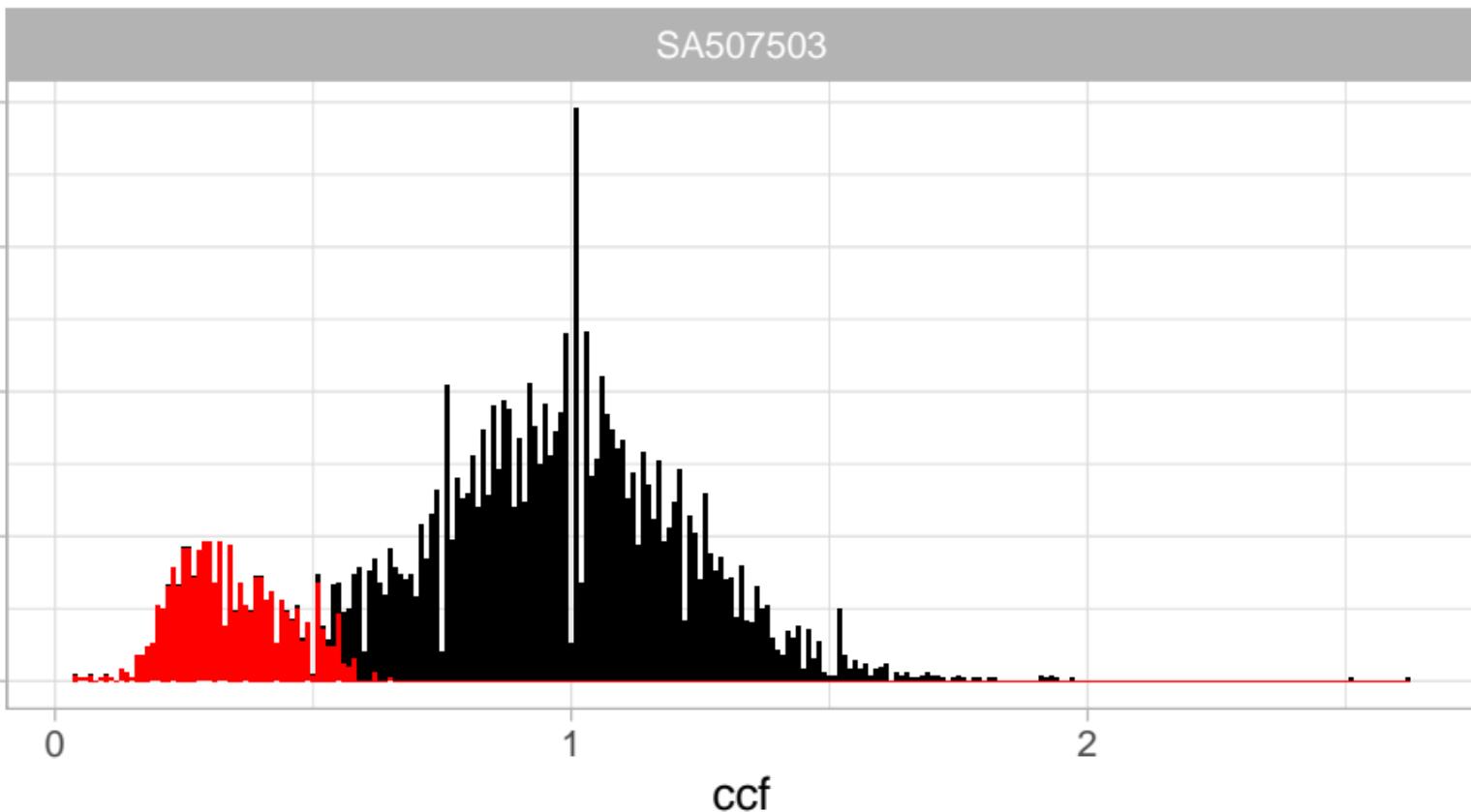
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413630

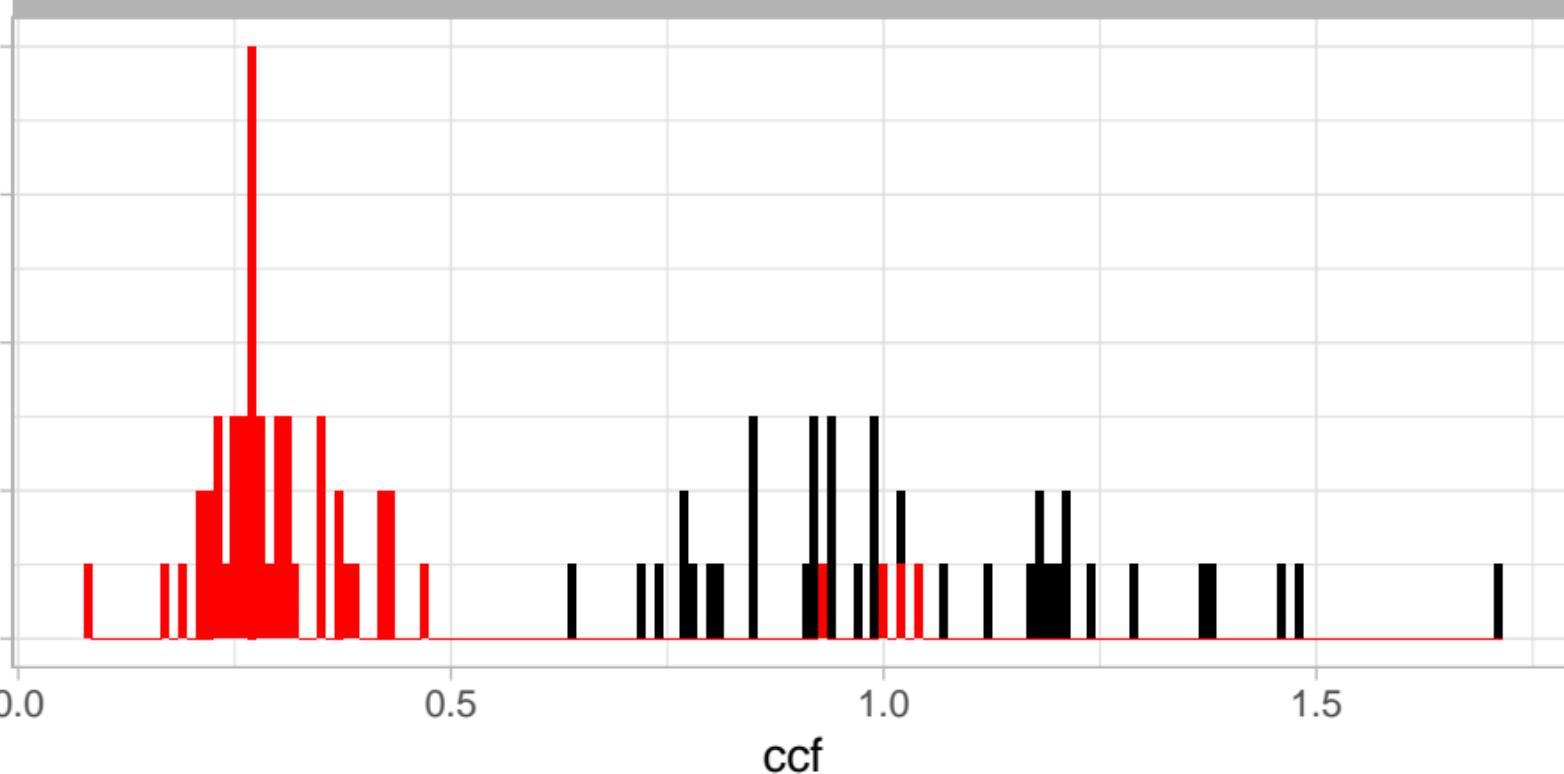
count

8
6
4
2
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542386

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA542123

count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA528823

count

800
600
400
200
0

0

1

2

3

ccf

cluster tail clonal subclonal

SA533724

count

60
40
20
0

0 1 2

ccf

cluster tail clonal subclonal

SA533713

count

90
60
30
0

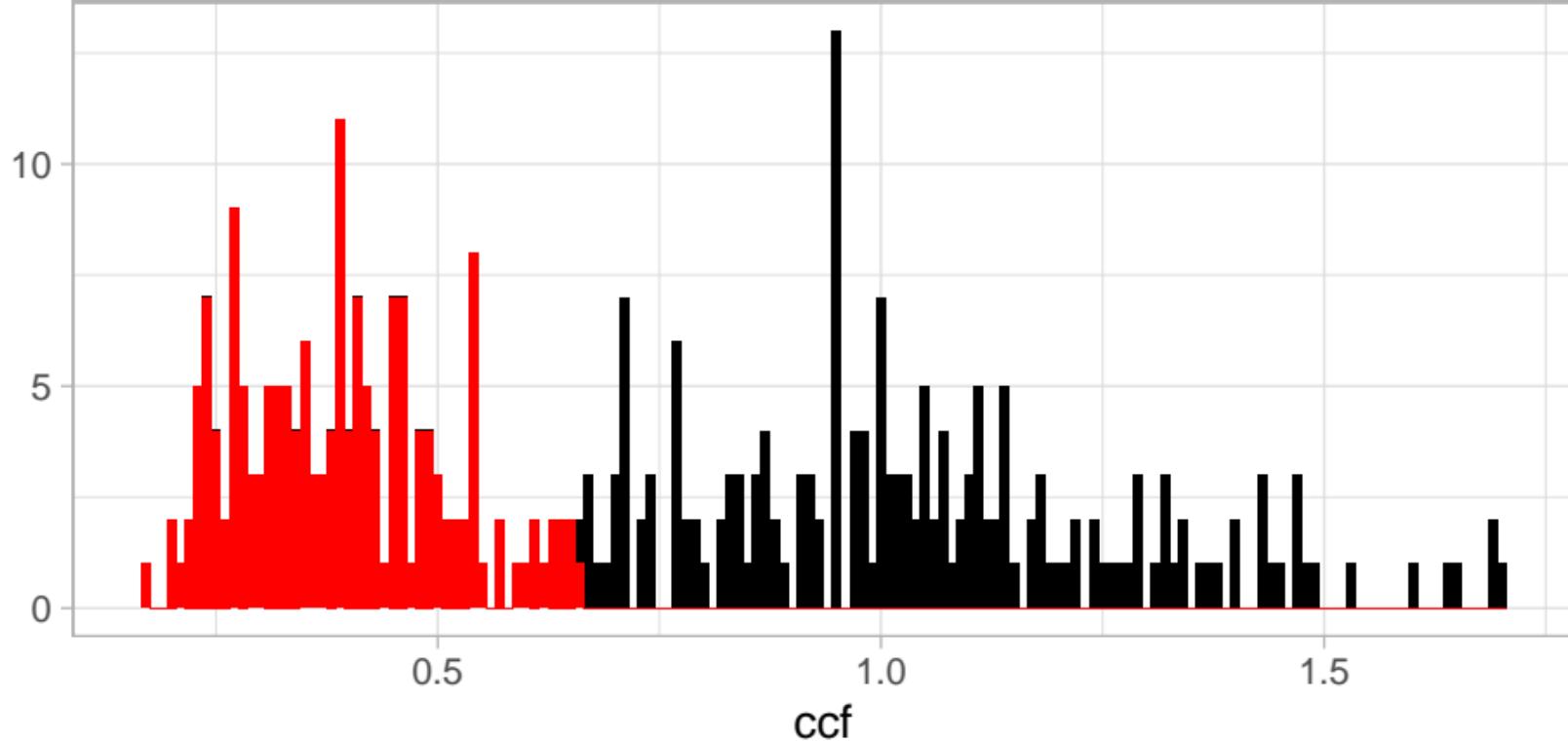
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517280

count



cluster ■ tail ■ clonal ■ subclonal

SA517355

count

150

100

50

0

0.0

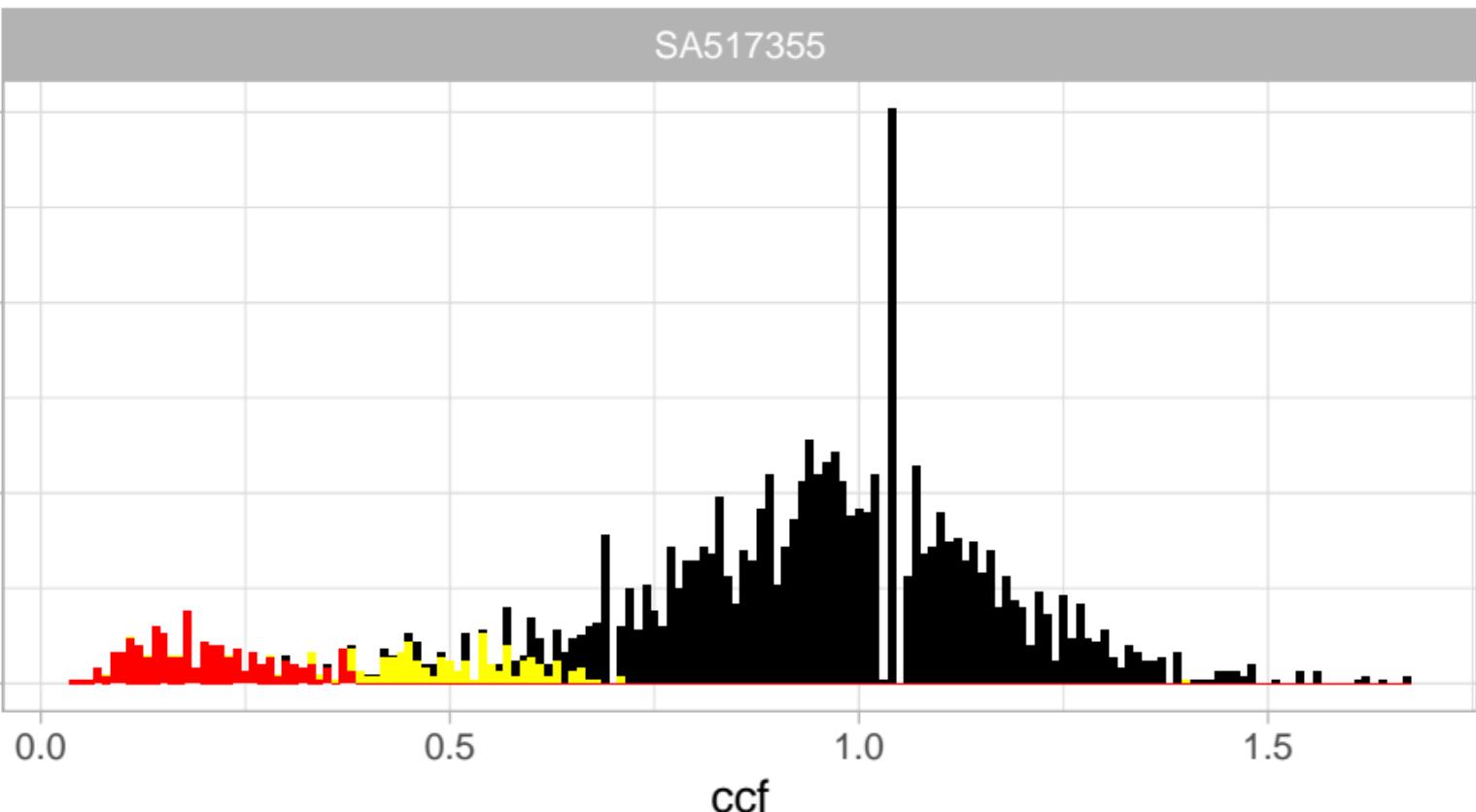
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA518816

count

90
60
30
0

0

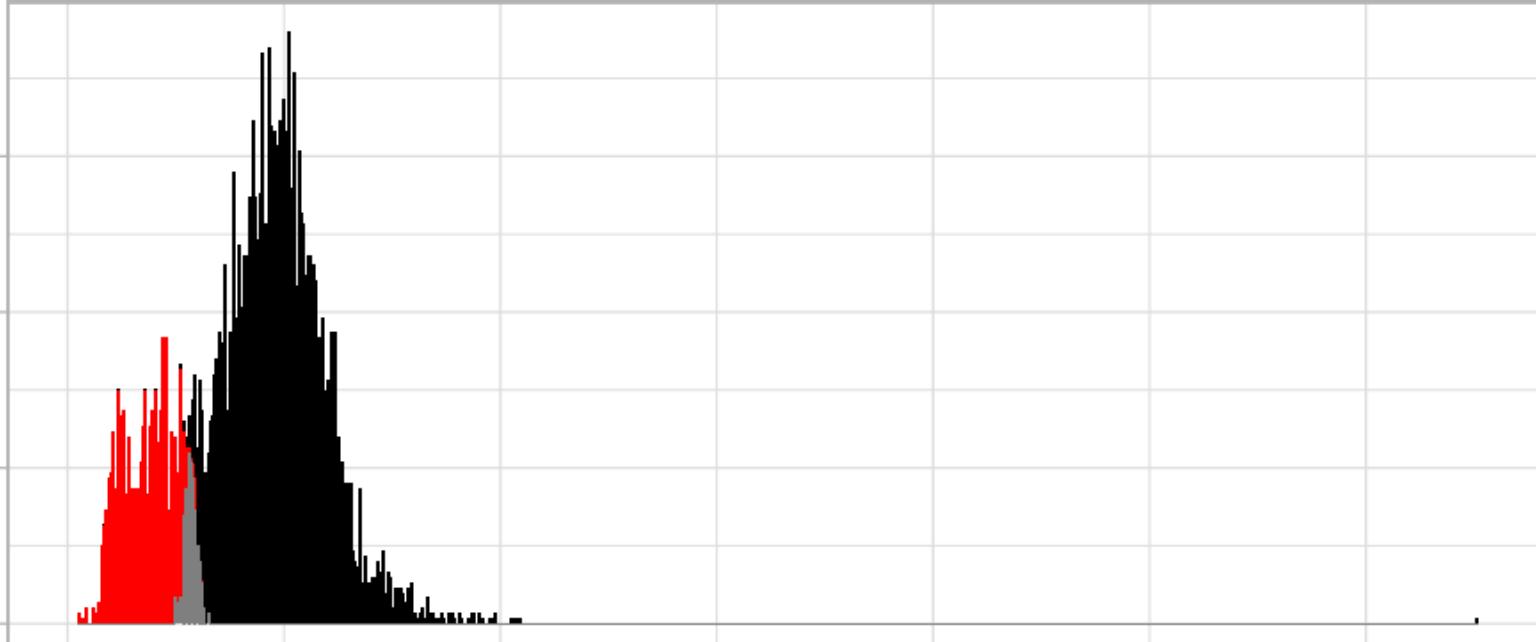
2

4

6

ccf

cluster tail clonal subclonal



SA539021

count

75

50

25

0

0.0

0.5

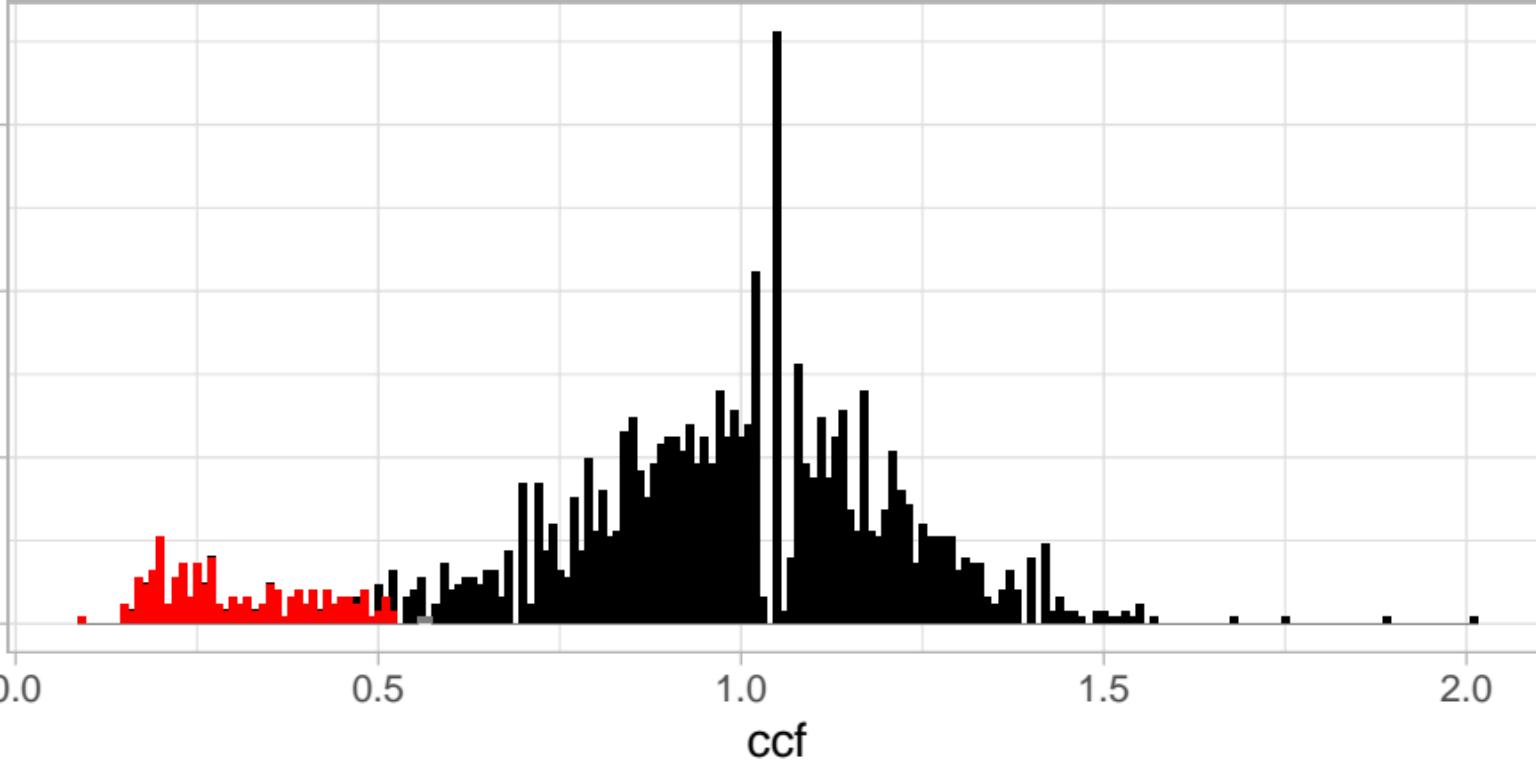
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA530599

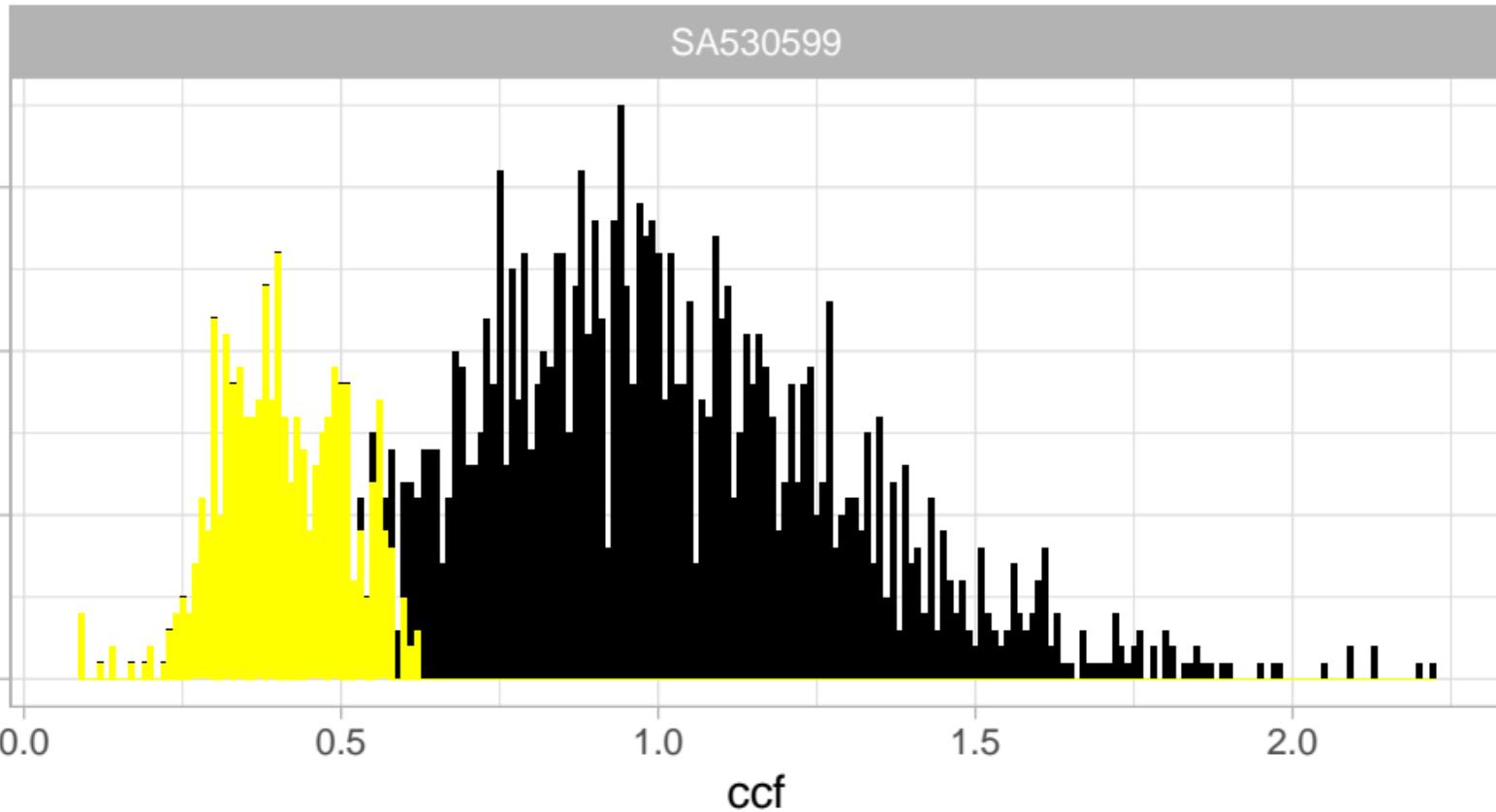
count

30
20
10
0

0.0 0.5 1.0 1.5 2.0

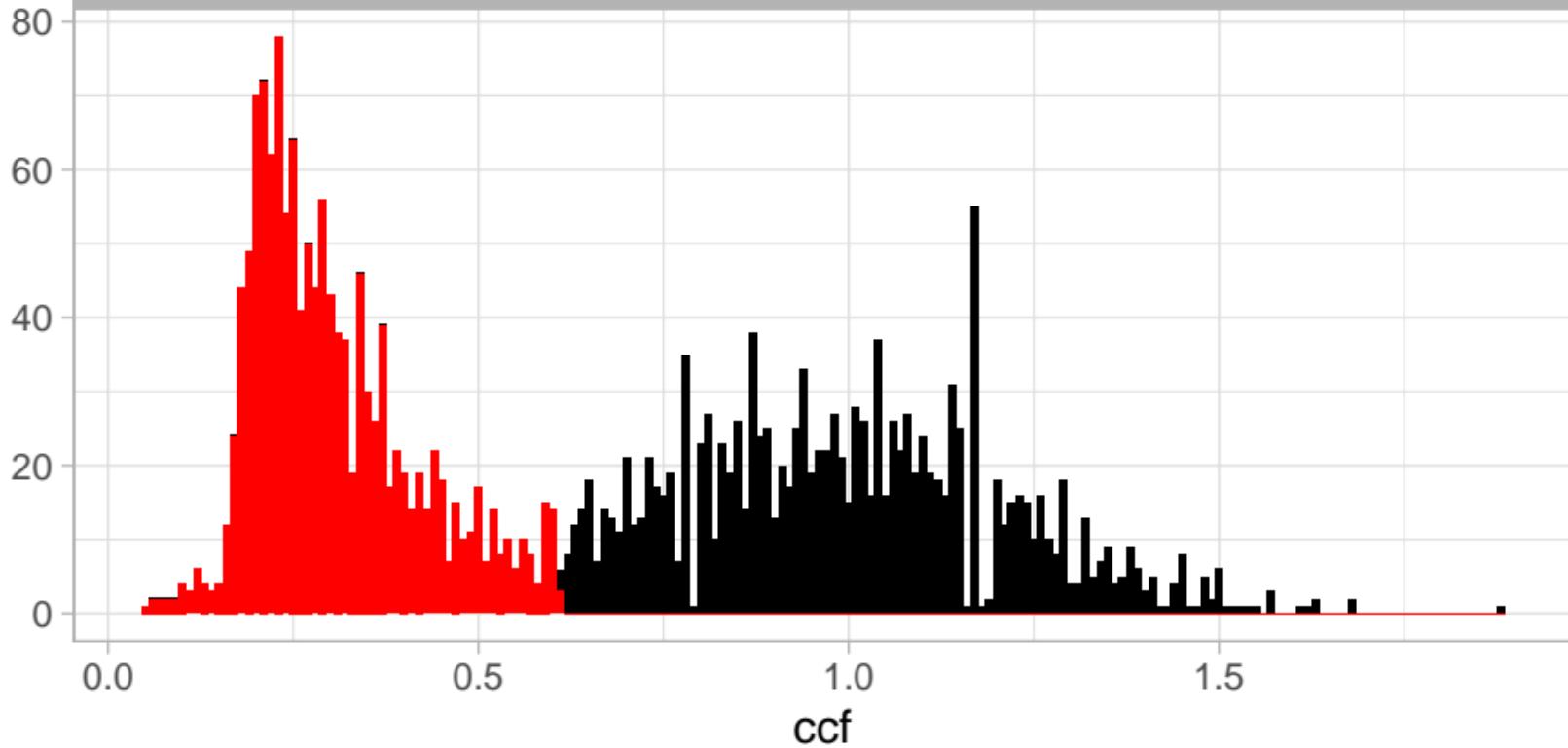
ccf

cluster tail clonal subclonal



SA542189

count



cluster ■ tail ■ clonal ■ subclonal

SA542201

count

200

100

0

0.0

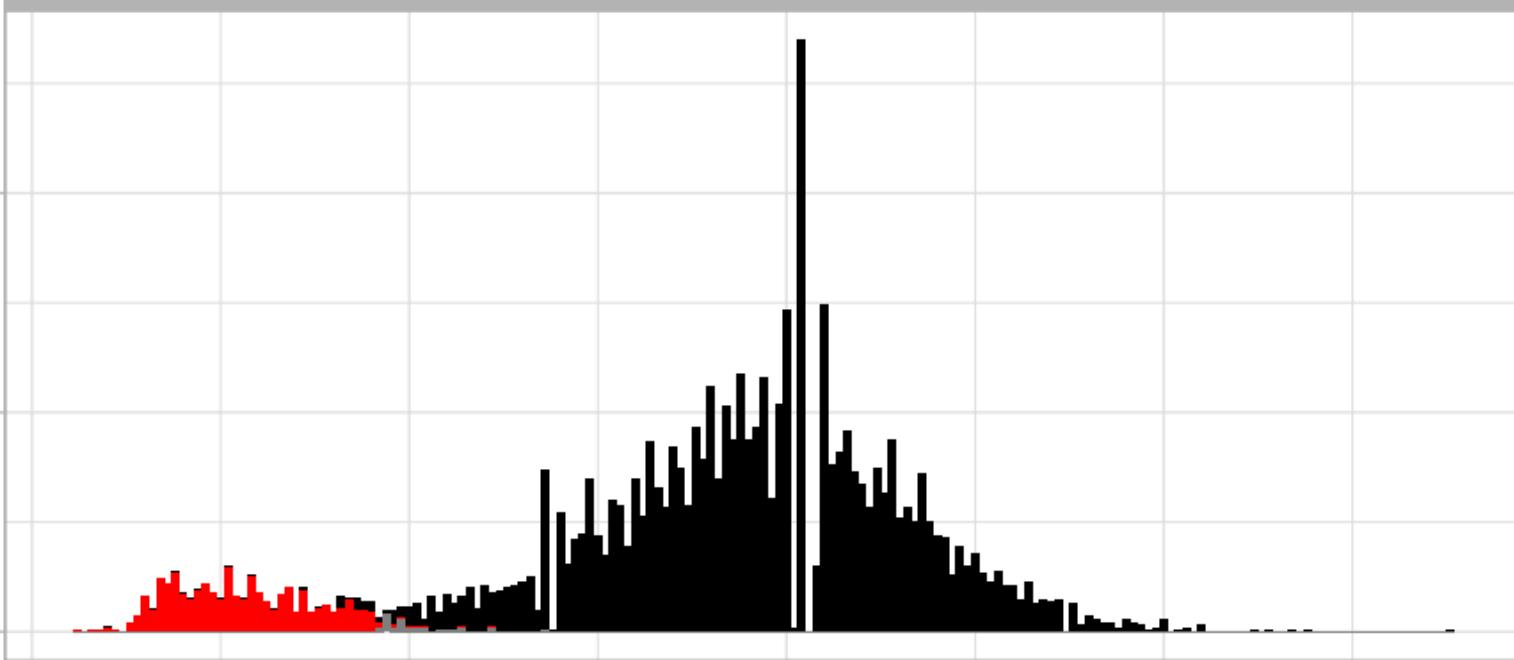
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501627

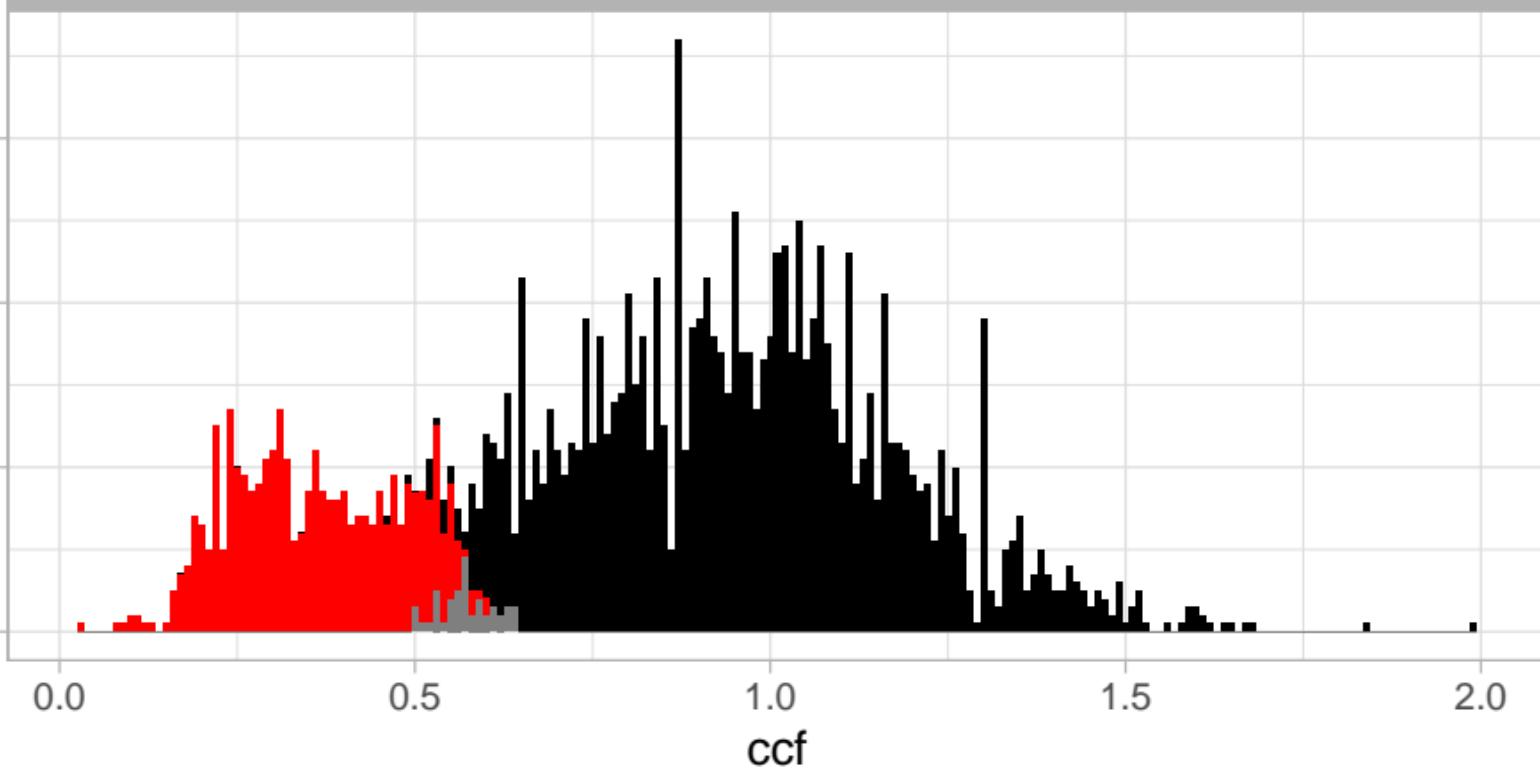
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413079

count

40
30
20
10
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA413888

count

4
3
2
1
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517256

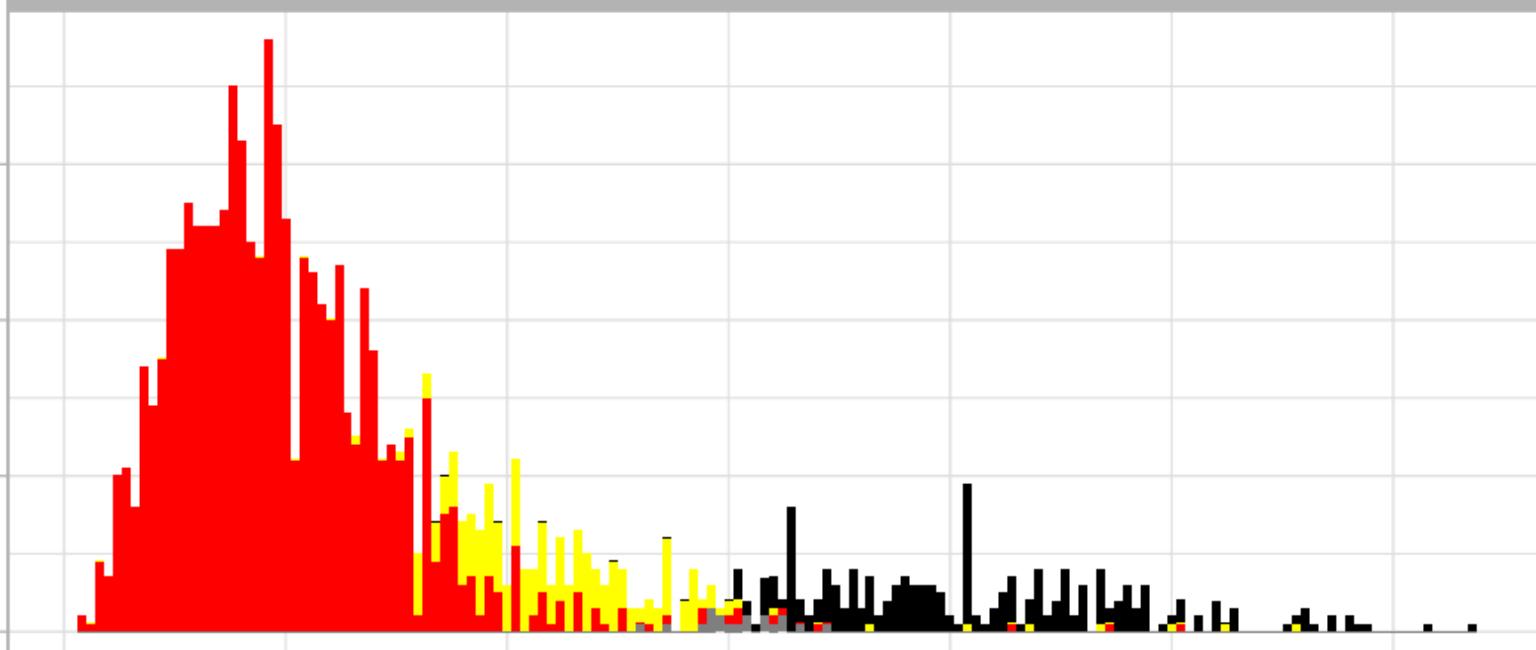
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA528900

count

400
200
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA501631

count

200

150

100

50

0

0.0

0.5

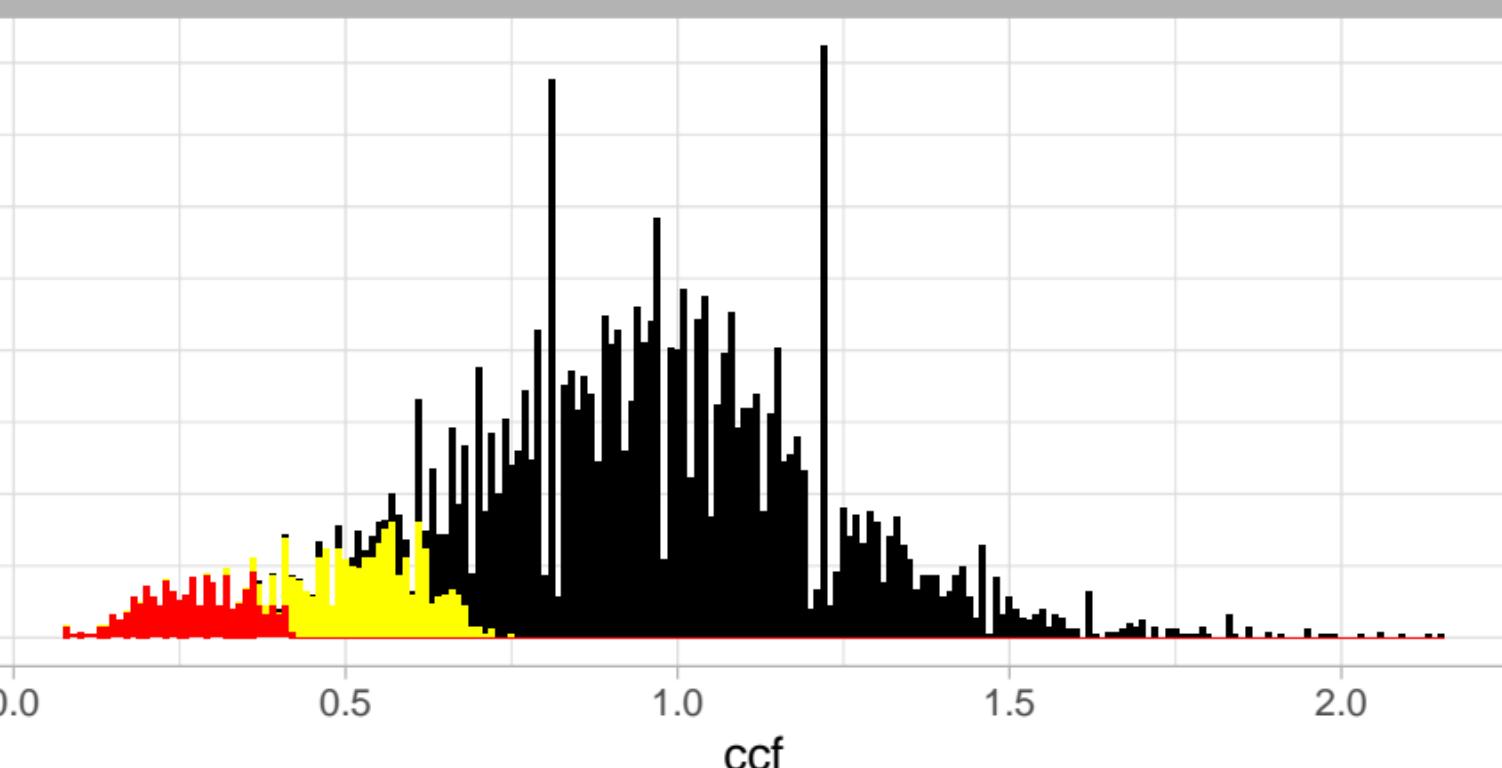
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501413

count

300

200

100

0

0

1

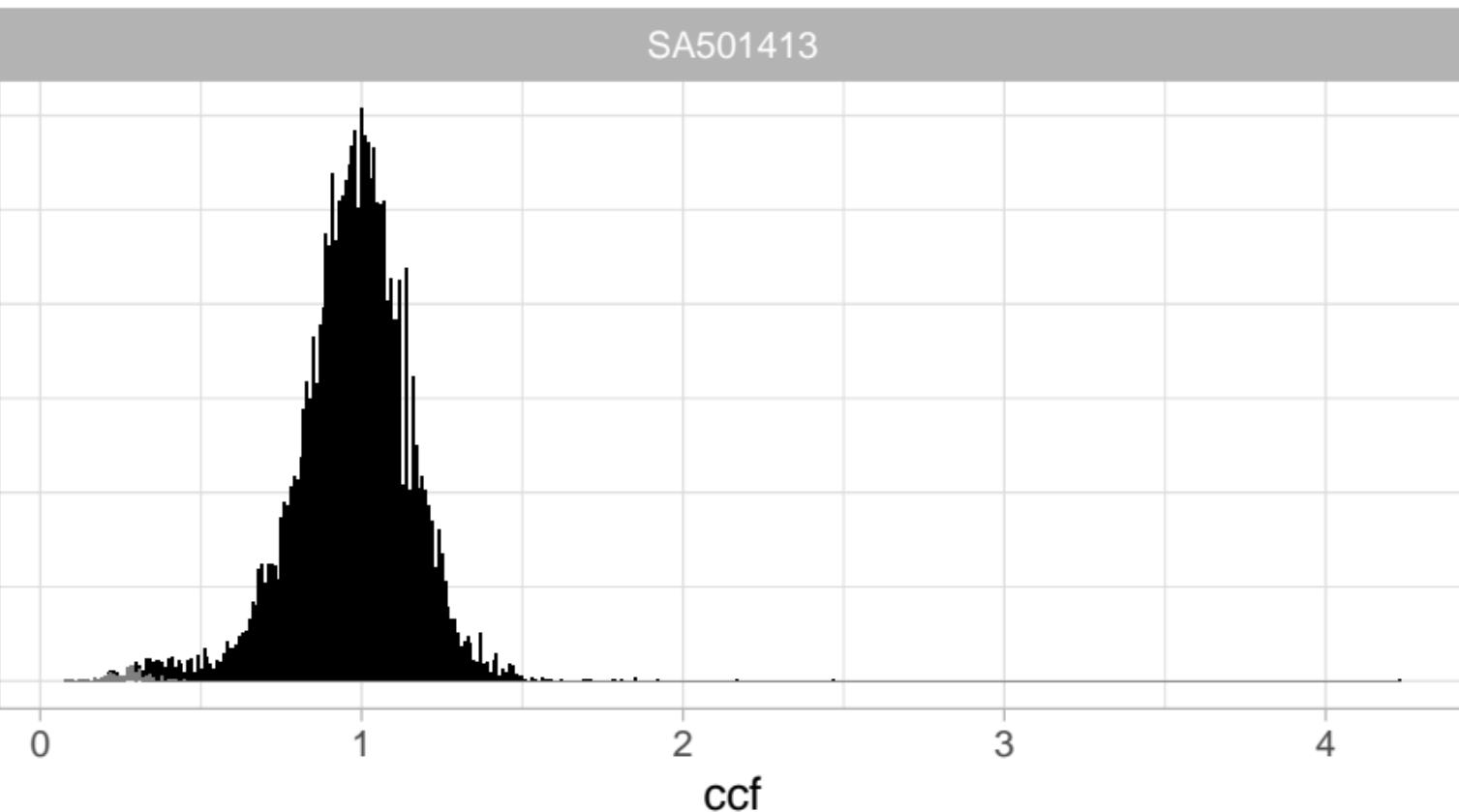
2

3

4

ccf

cluster tail clonal subclonal



SA517418

count

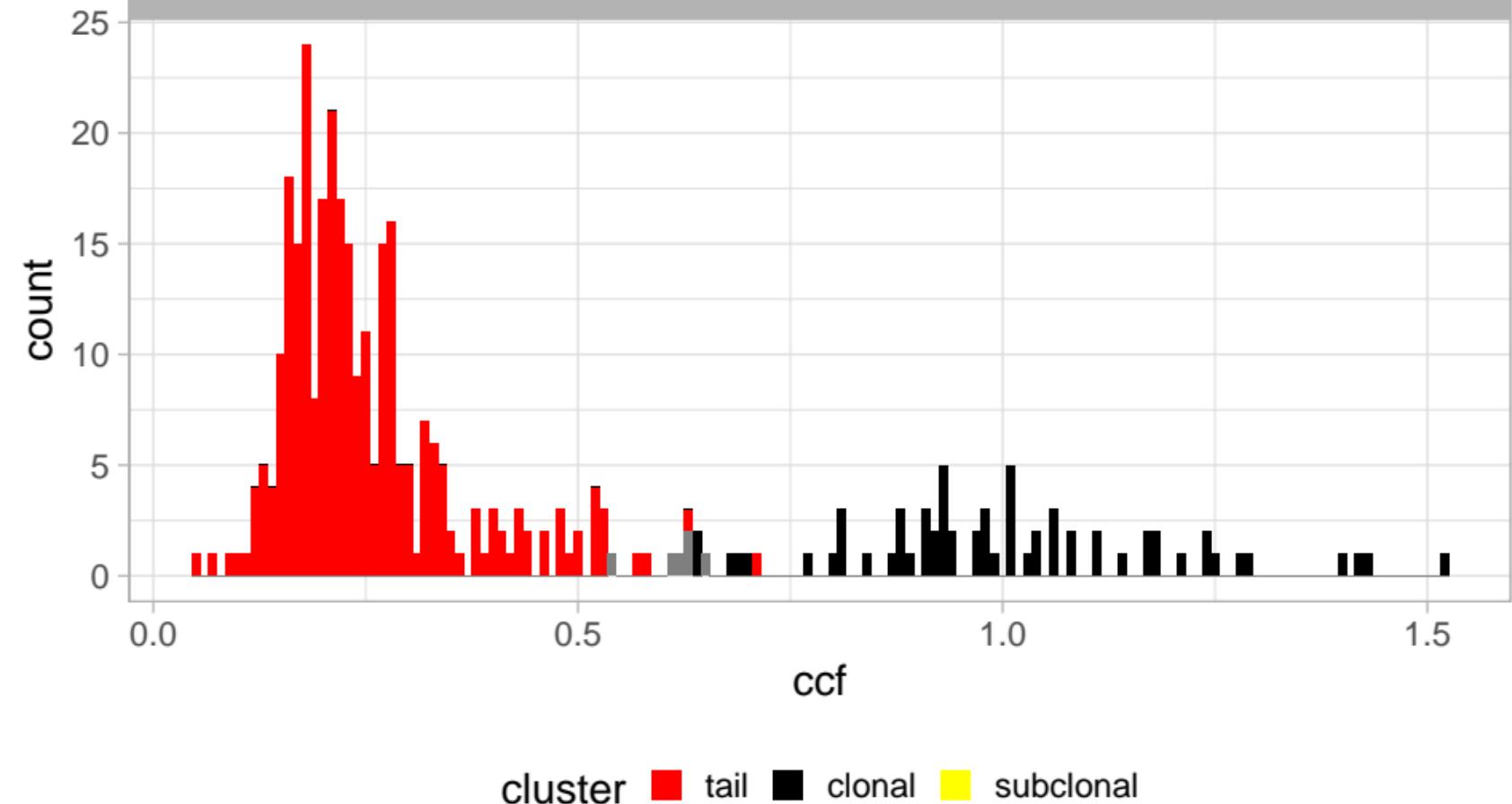
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA570863



SA533758

count

100

75

50

25

0

0.0

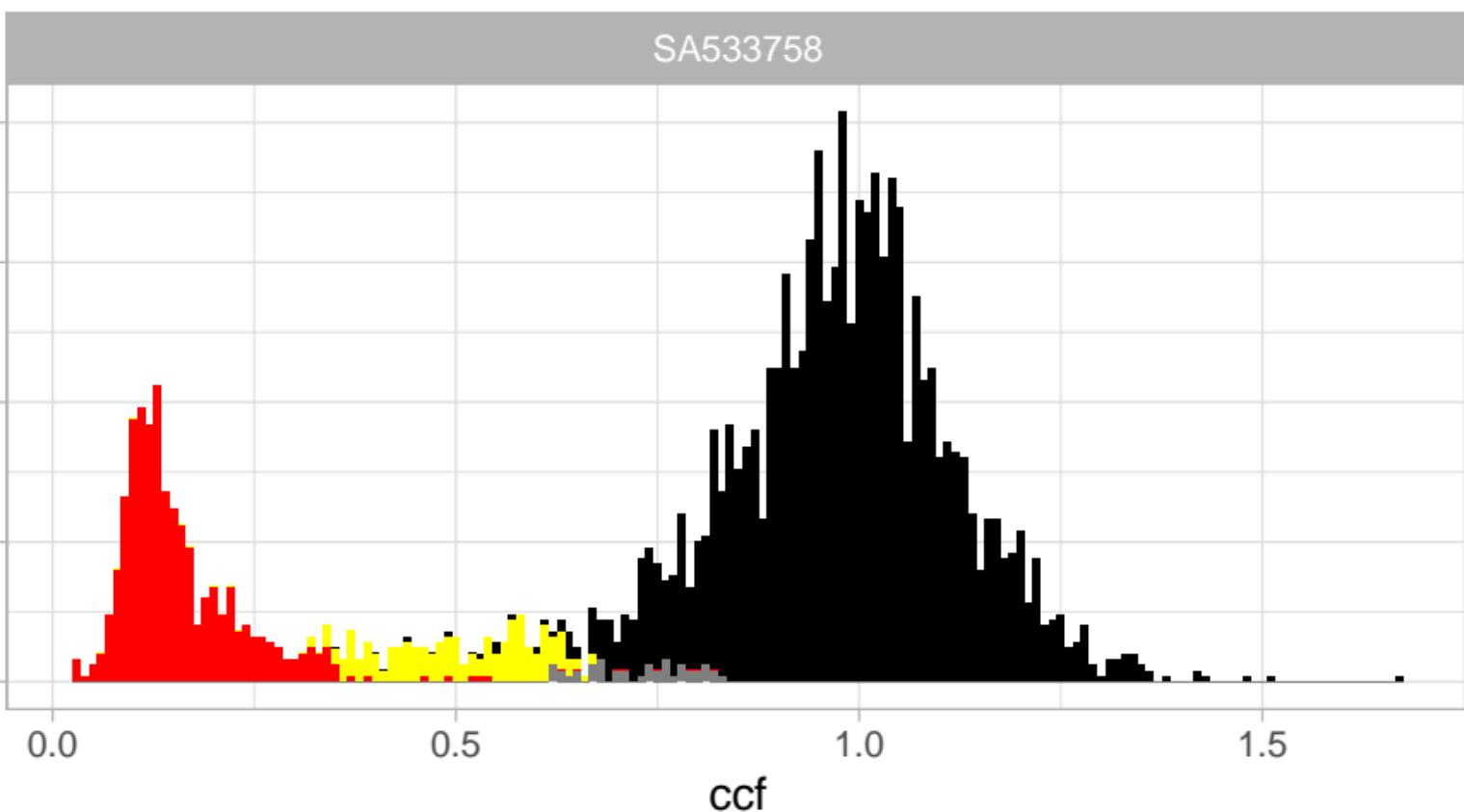
0.5

1.0

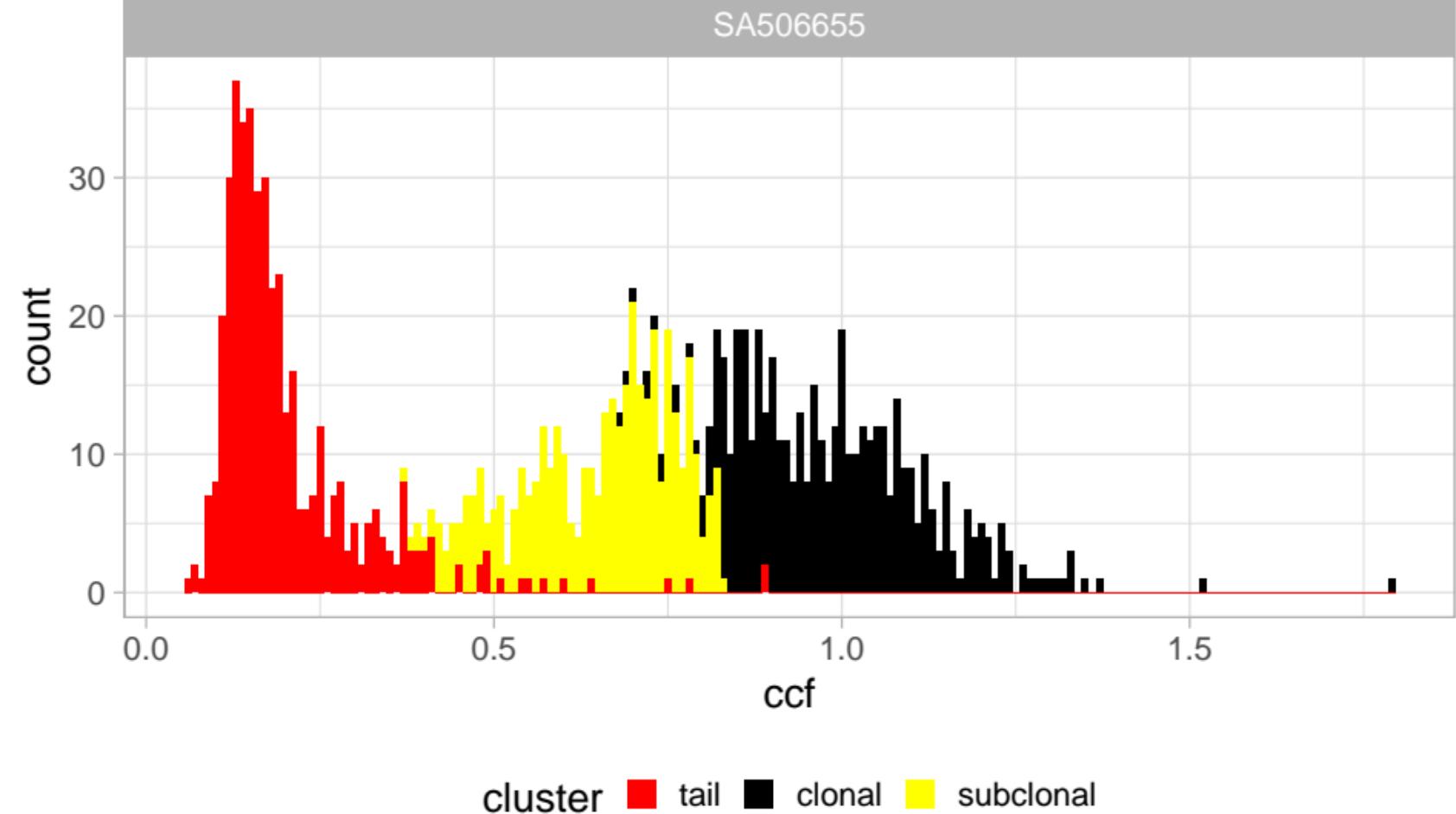
1.5

ccf

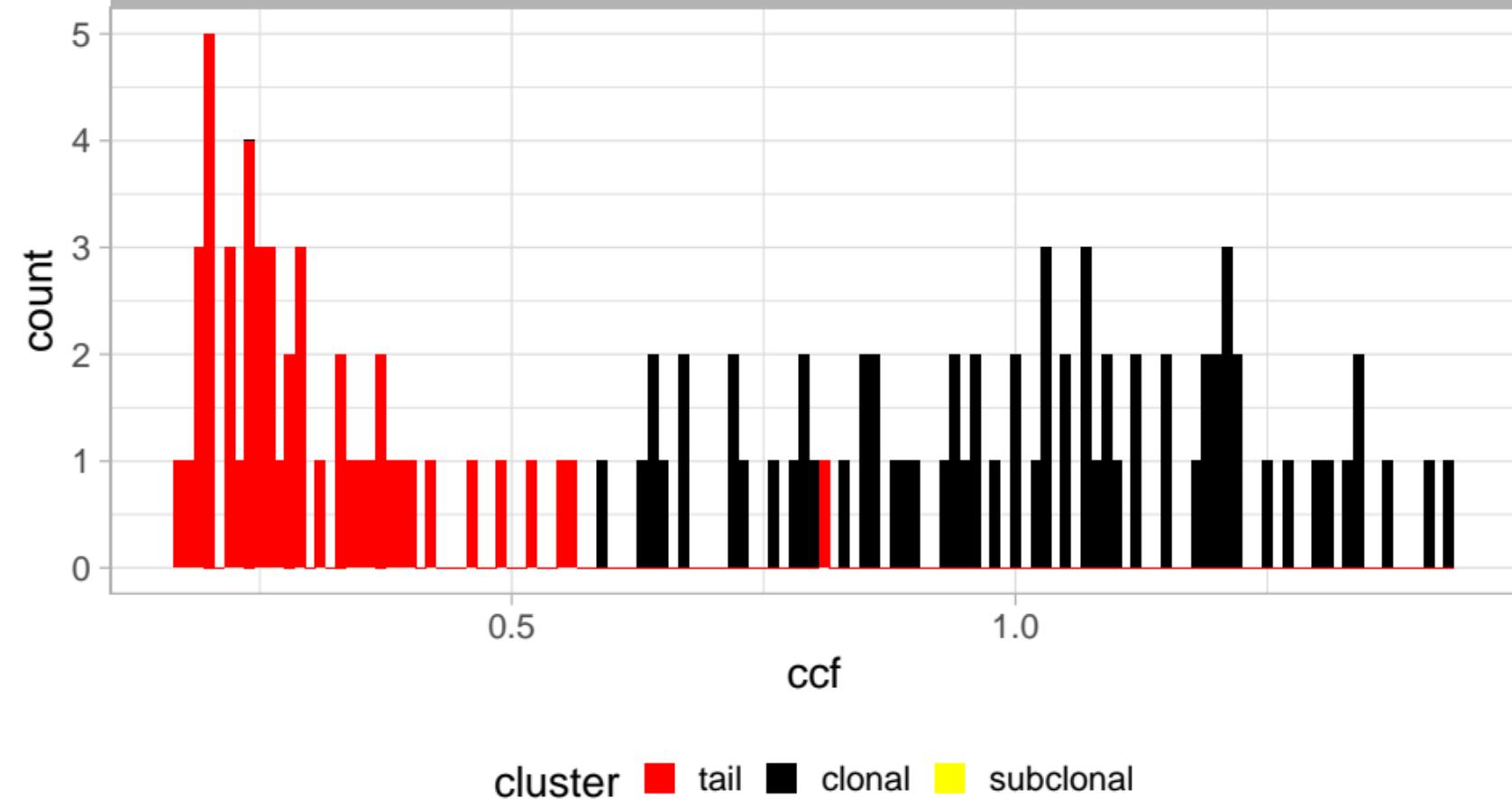
cluster ■ tail ■ clonal ■ subclonal



SA506655



SA413554



SA413638

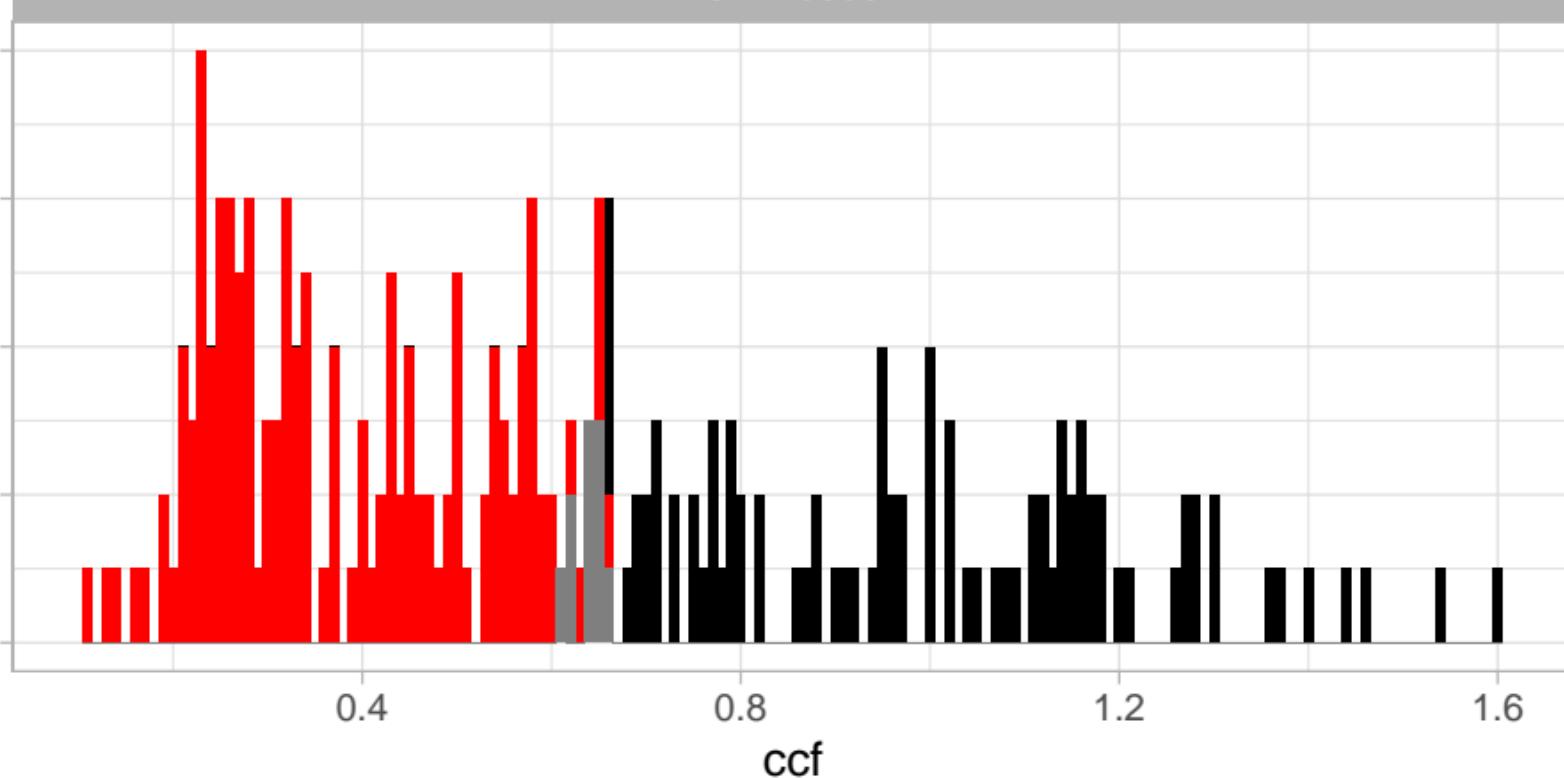
count

8
6
4
2
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA501633

count

150

100

50

0

0.0

0.5

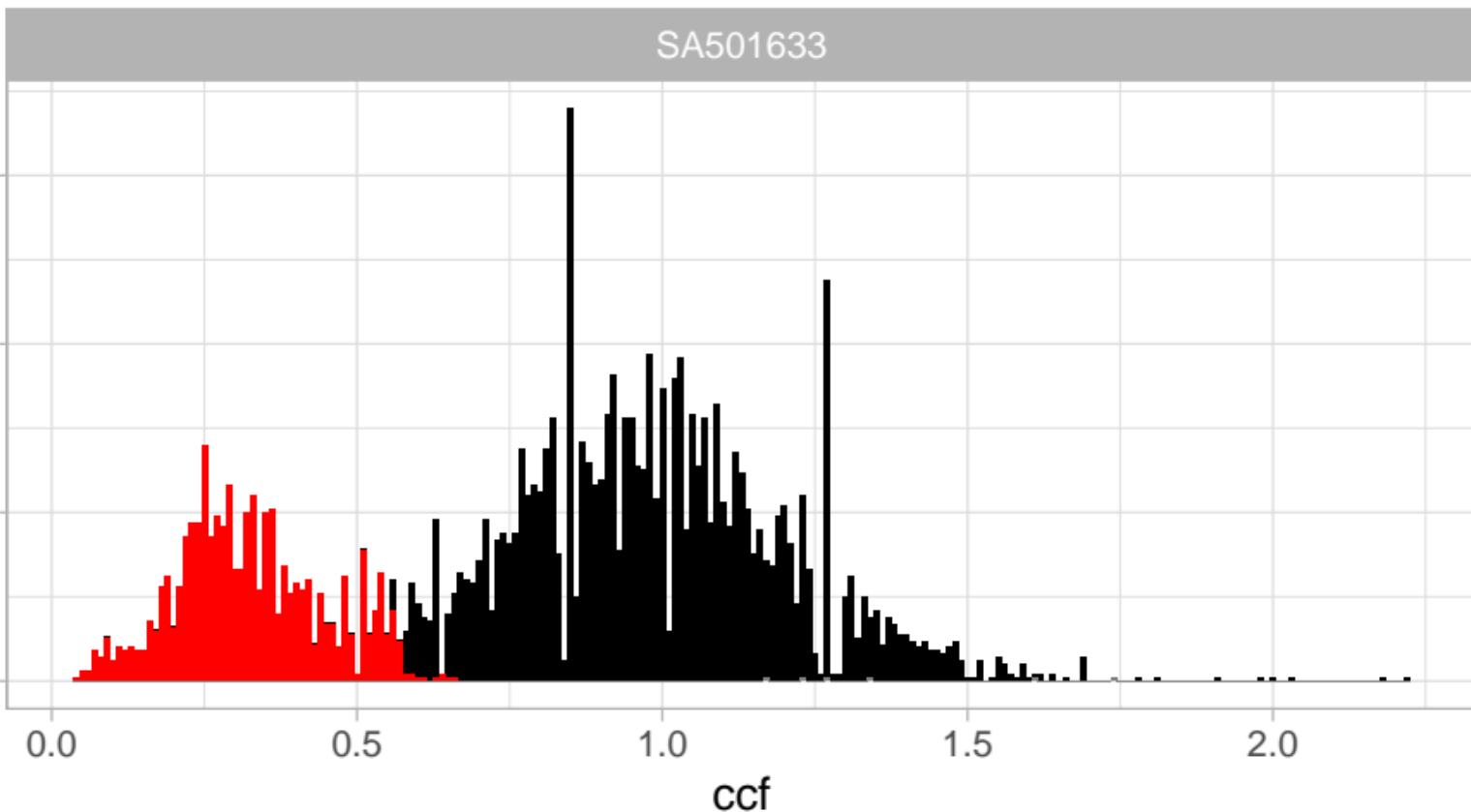
1.0

1.5

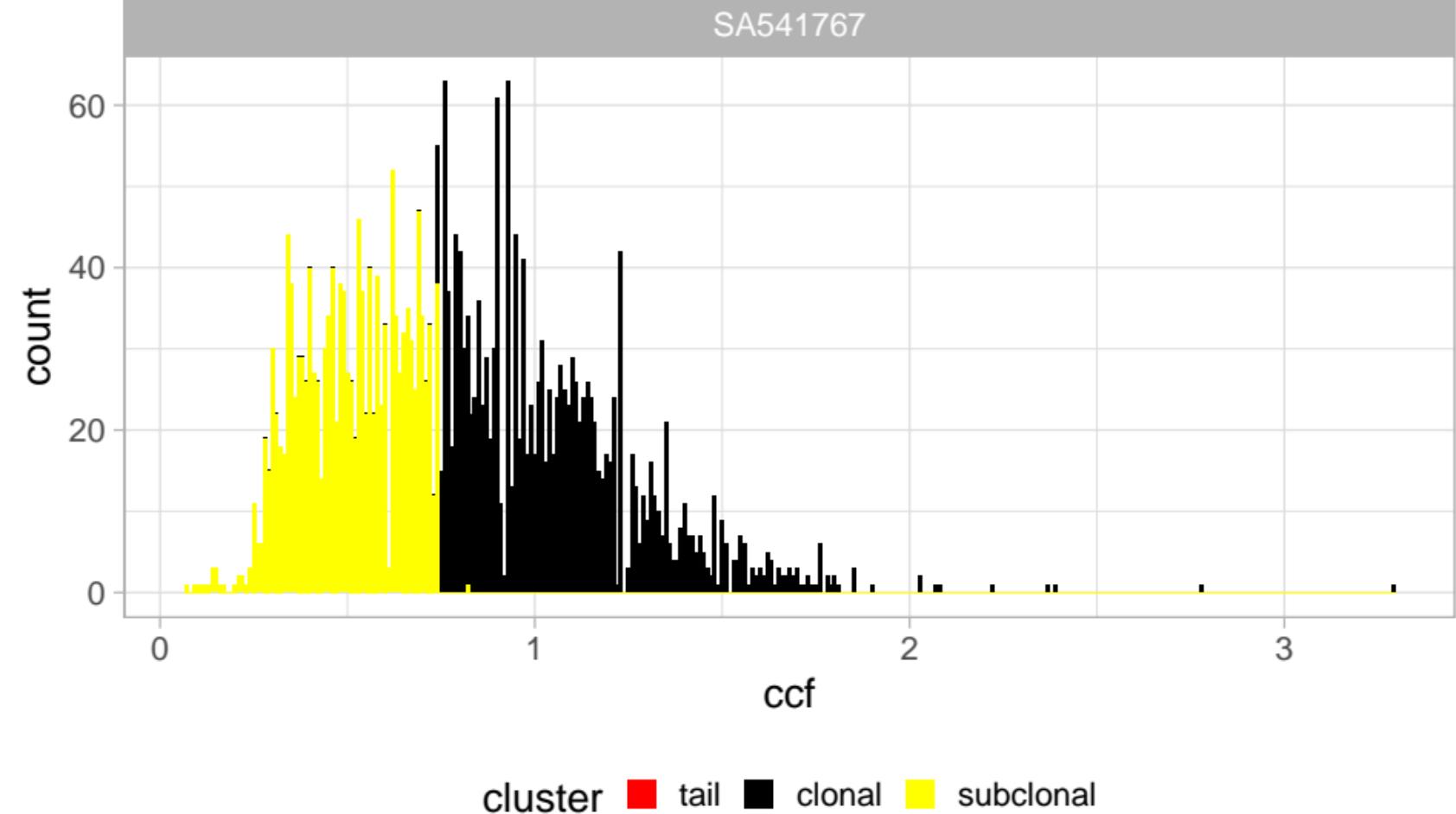
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA541767



SA570885

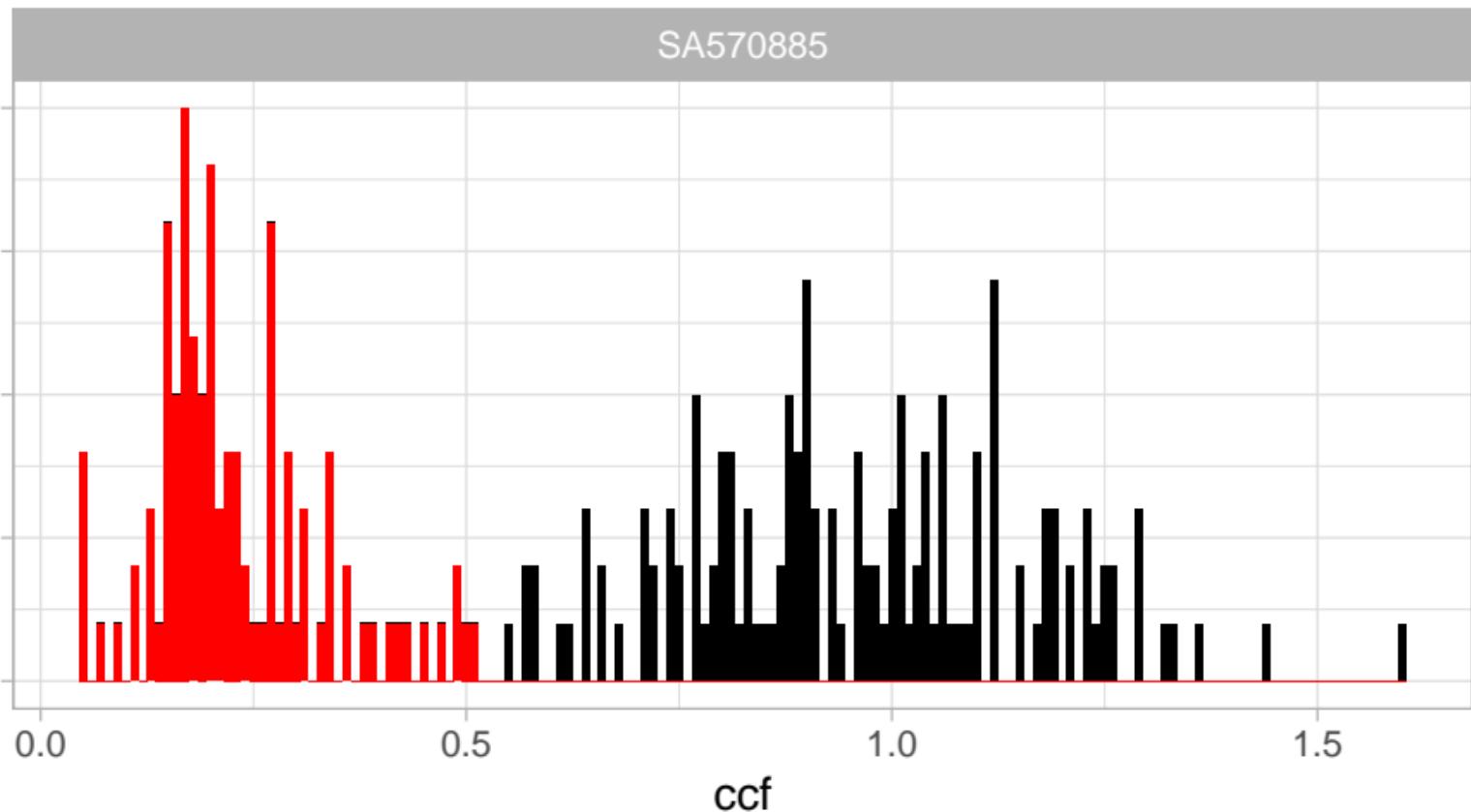
count

10.0
7.5
5.0
2.5
0.0

0.0 0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA507250

count

80
60
40
20
0

0 1 2

ccf

cluster tail clonal subclonal

SA533690

count

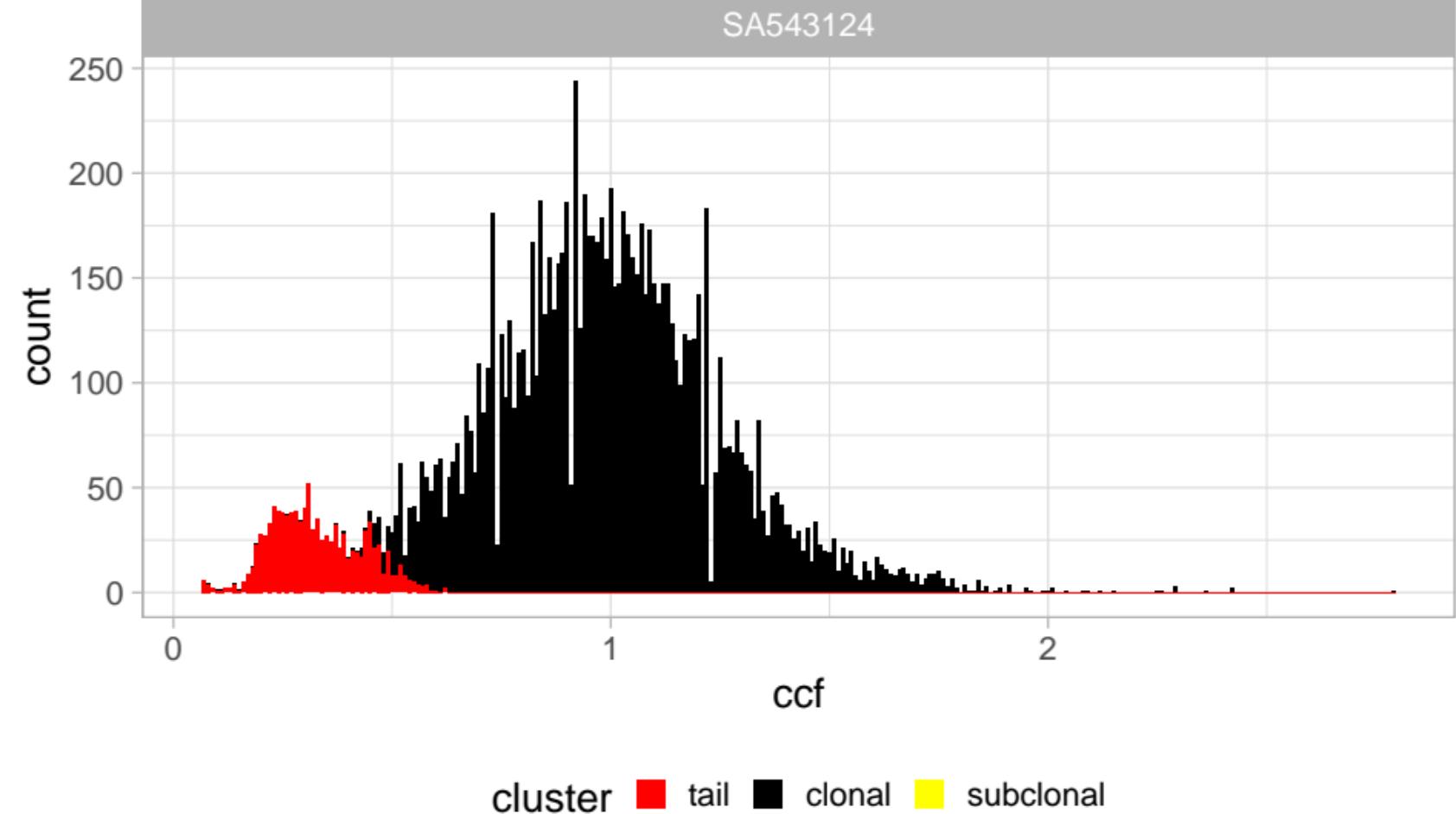
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

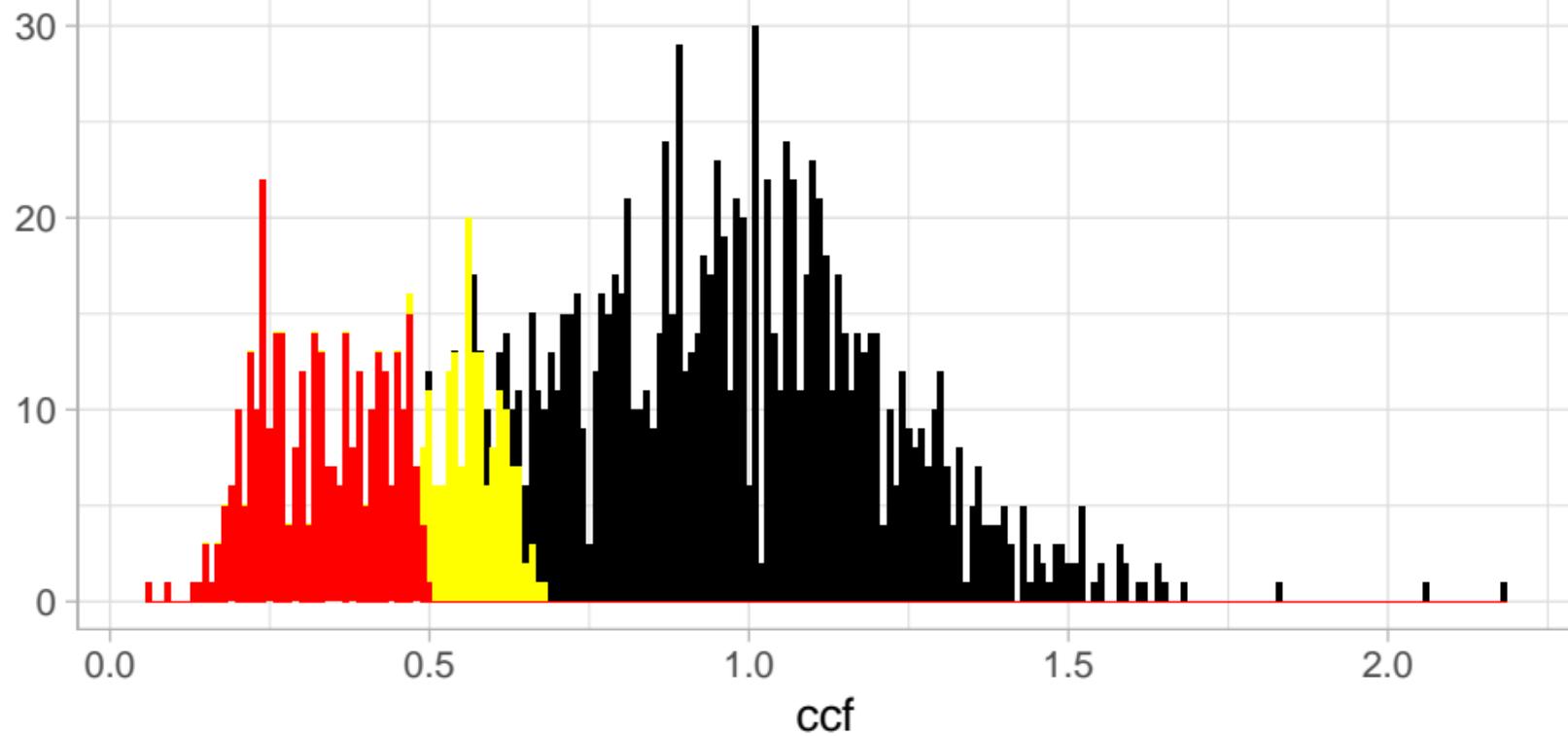
cluster tail clonal subclonal

SA543124



SA541782

count



cluster ■ tail ■ clonal ■ subclonal

SA533786

count

200
150
100
50
0

0 1 2

ccf

cluster tail clonal subclonal

SA520181

count

100

75

50

25

0

0.0

0.5

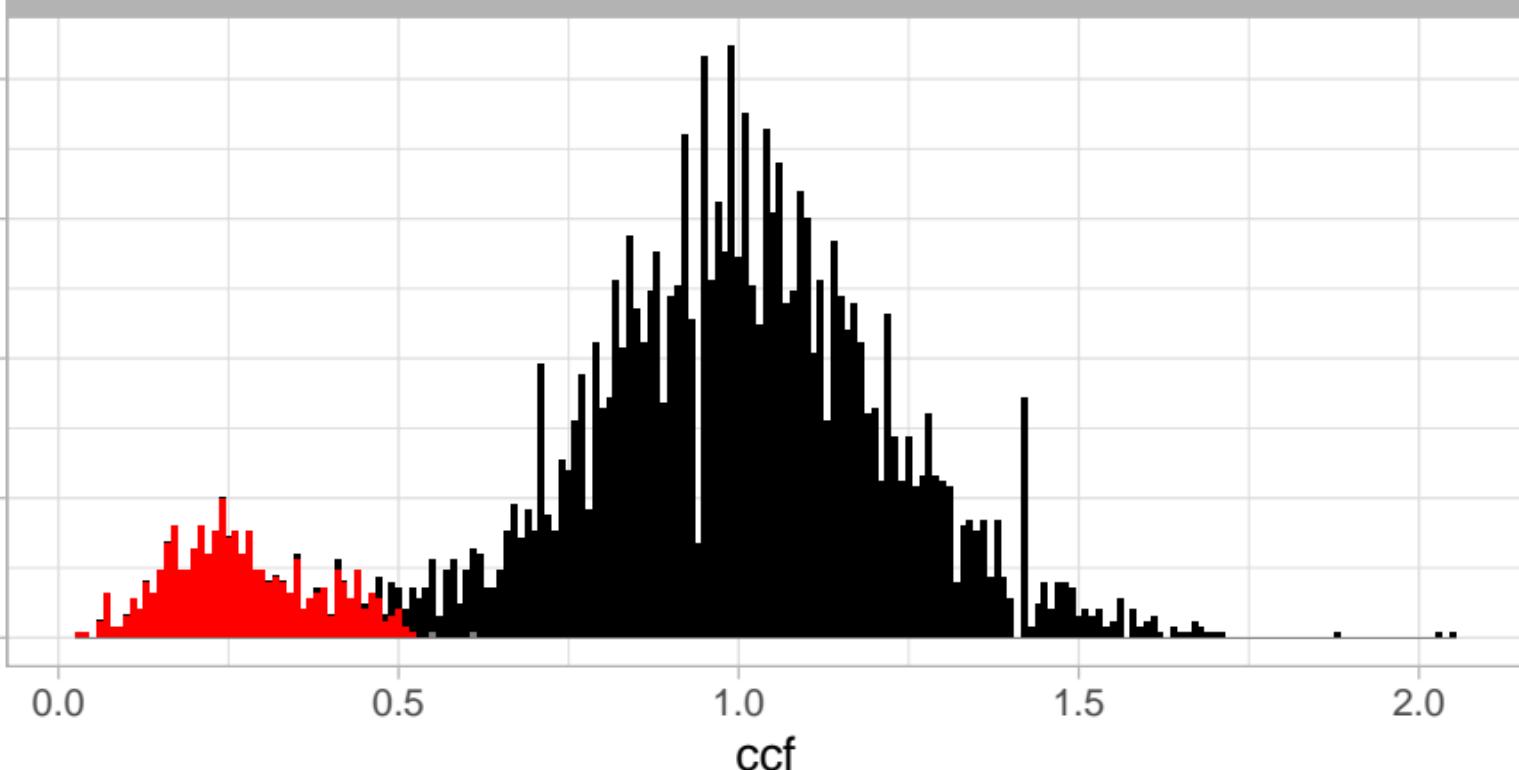
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA517344

count

150

100

50

0

0.0

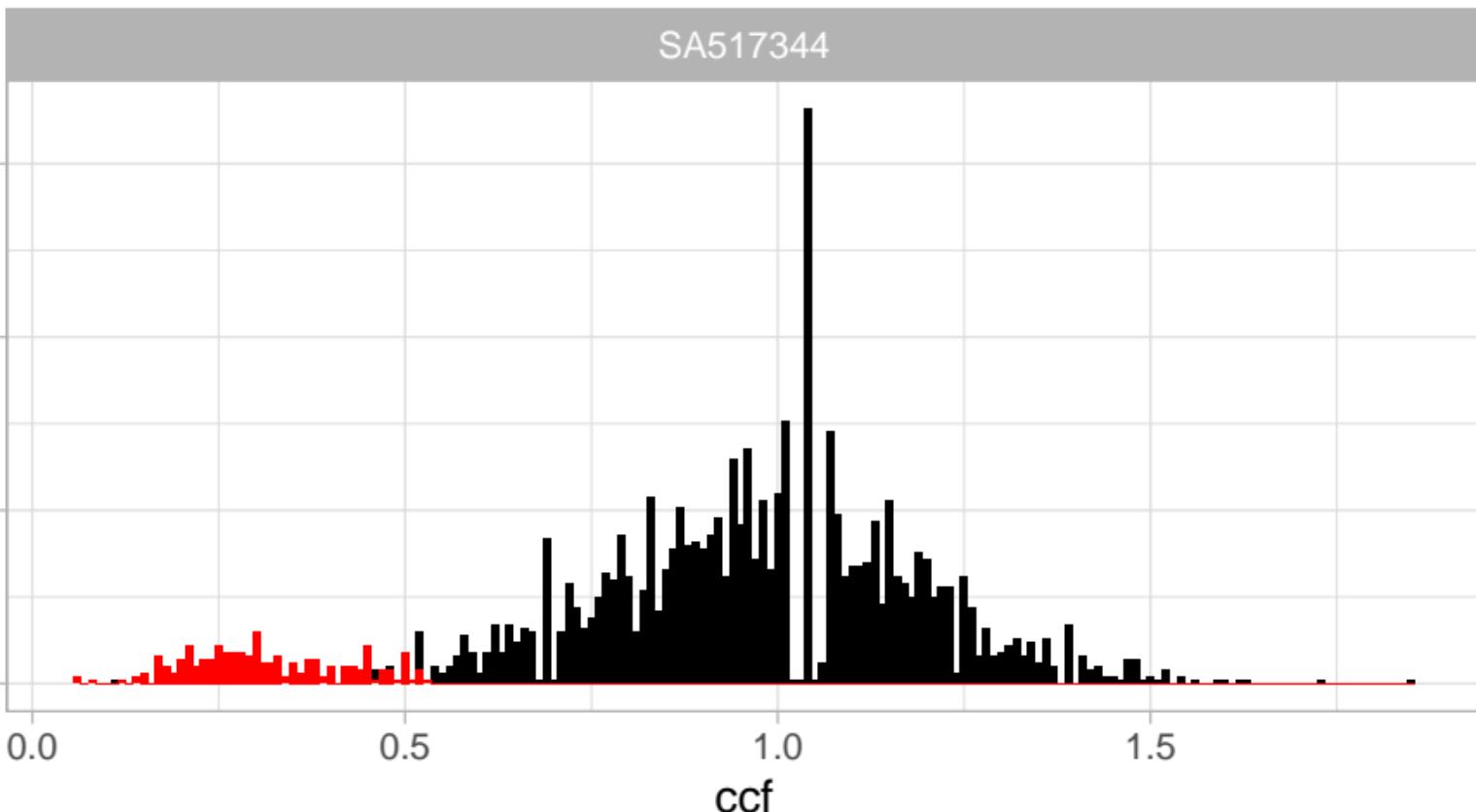
0.5

1.0

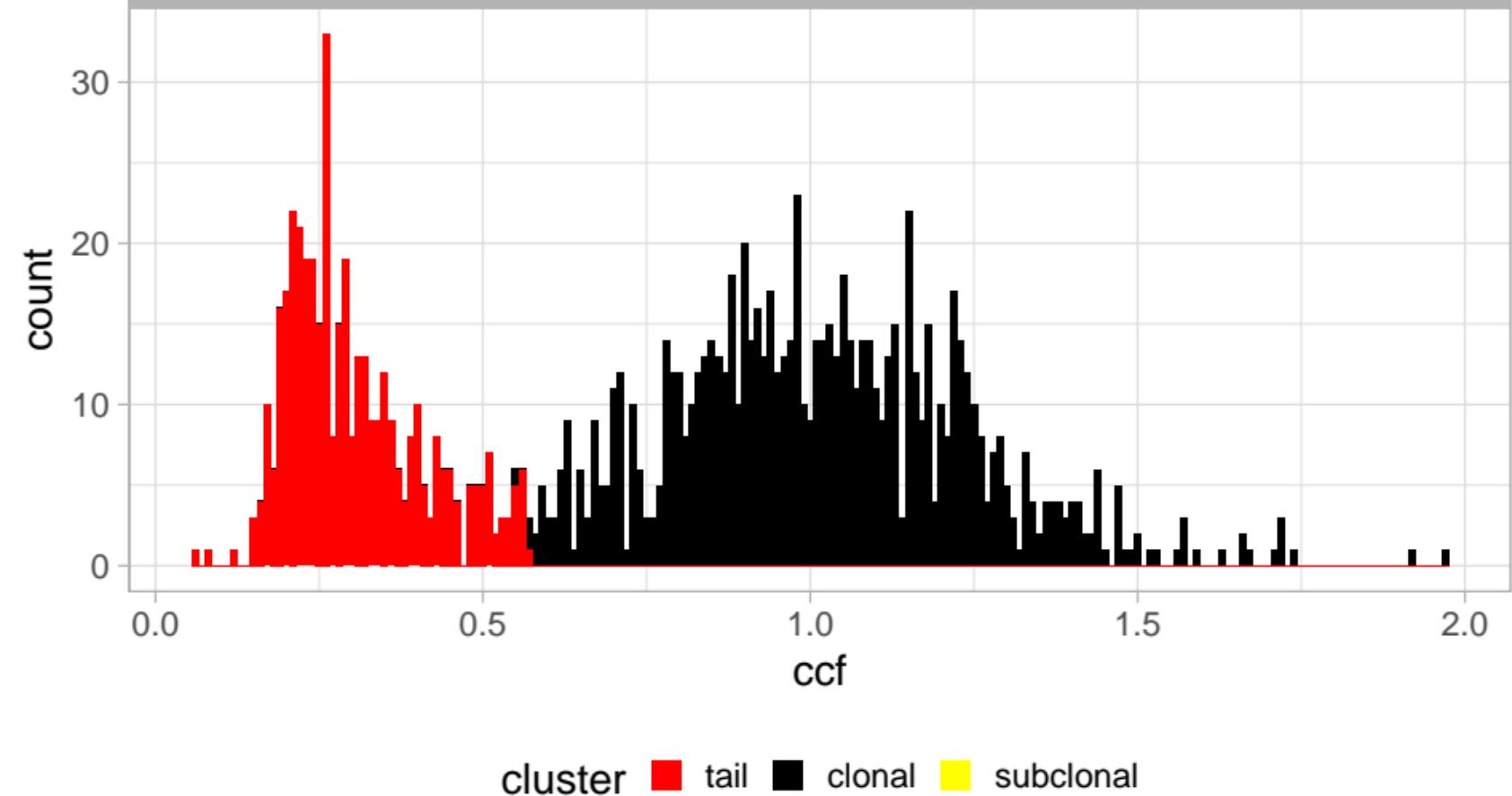
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA514919



SA528798

count

200

150

100

50

0

0

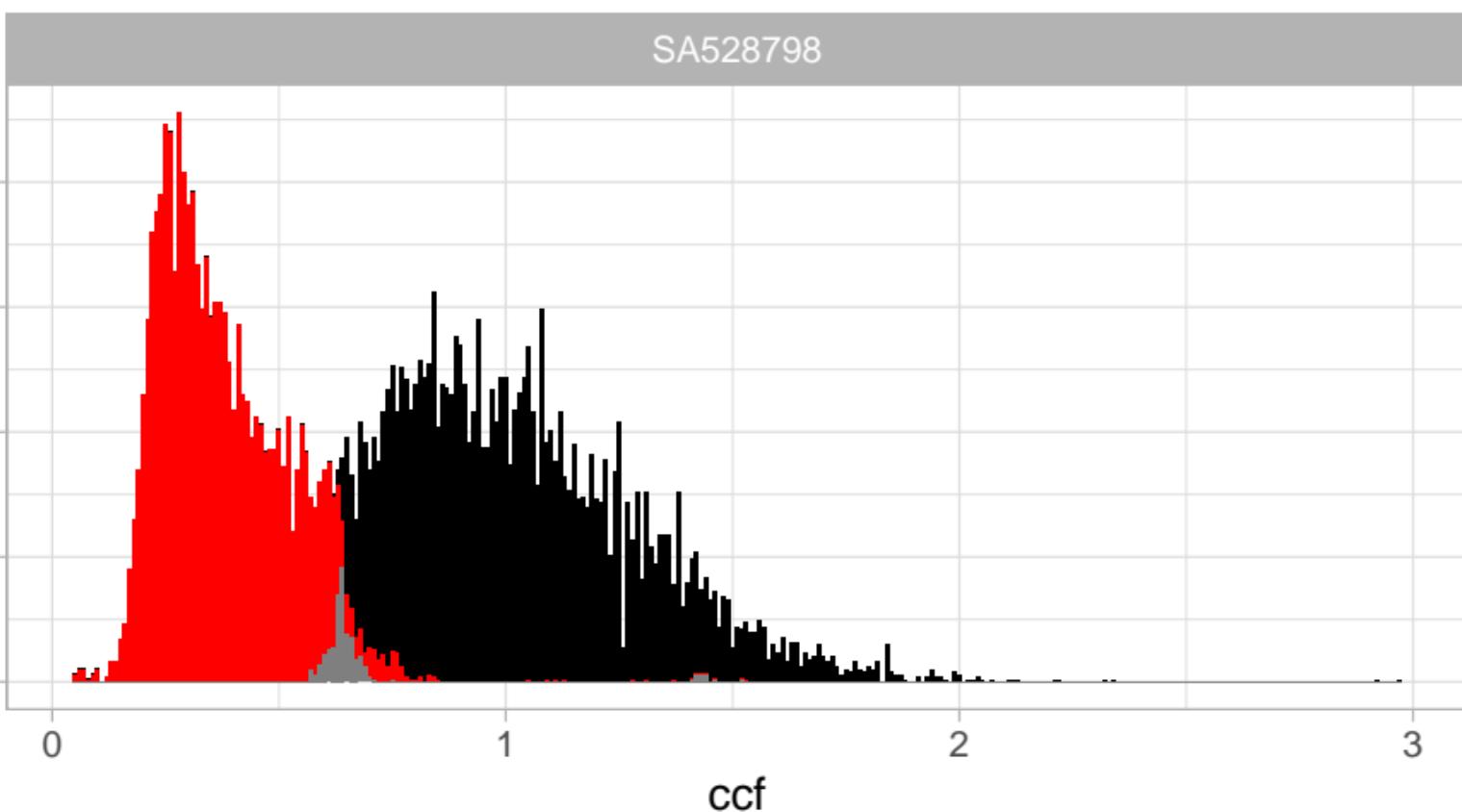
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533698

count

90
60
30
0

0.0

0.5

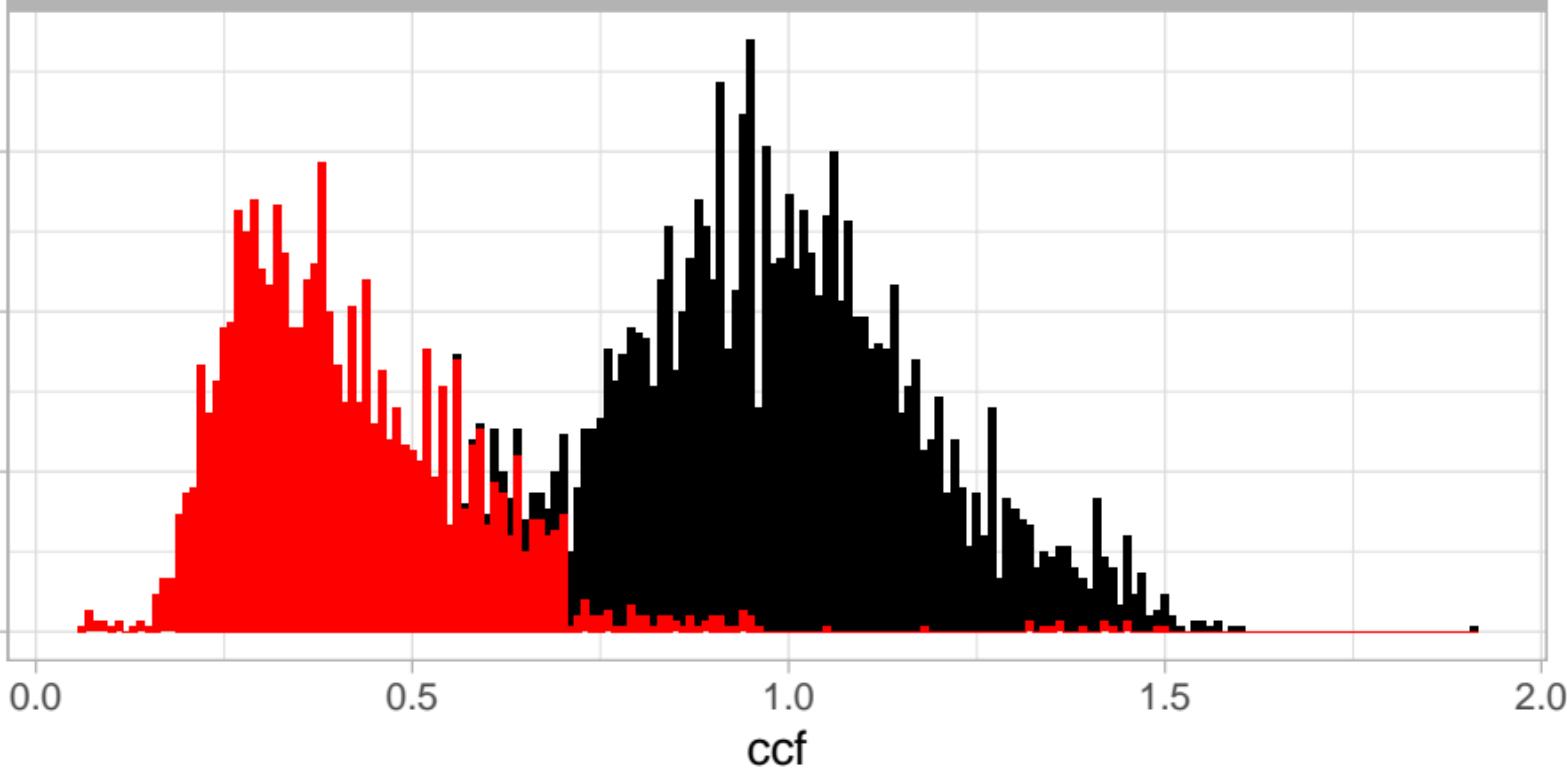
1.0

1.5

2.0

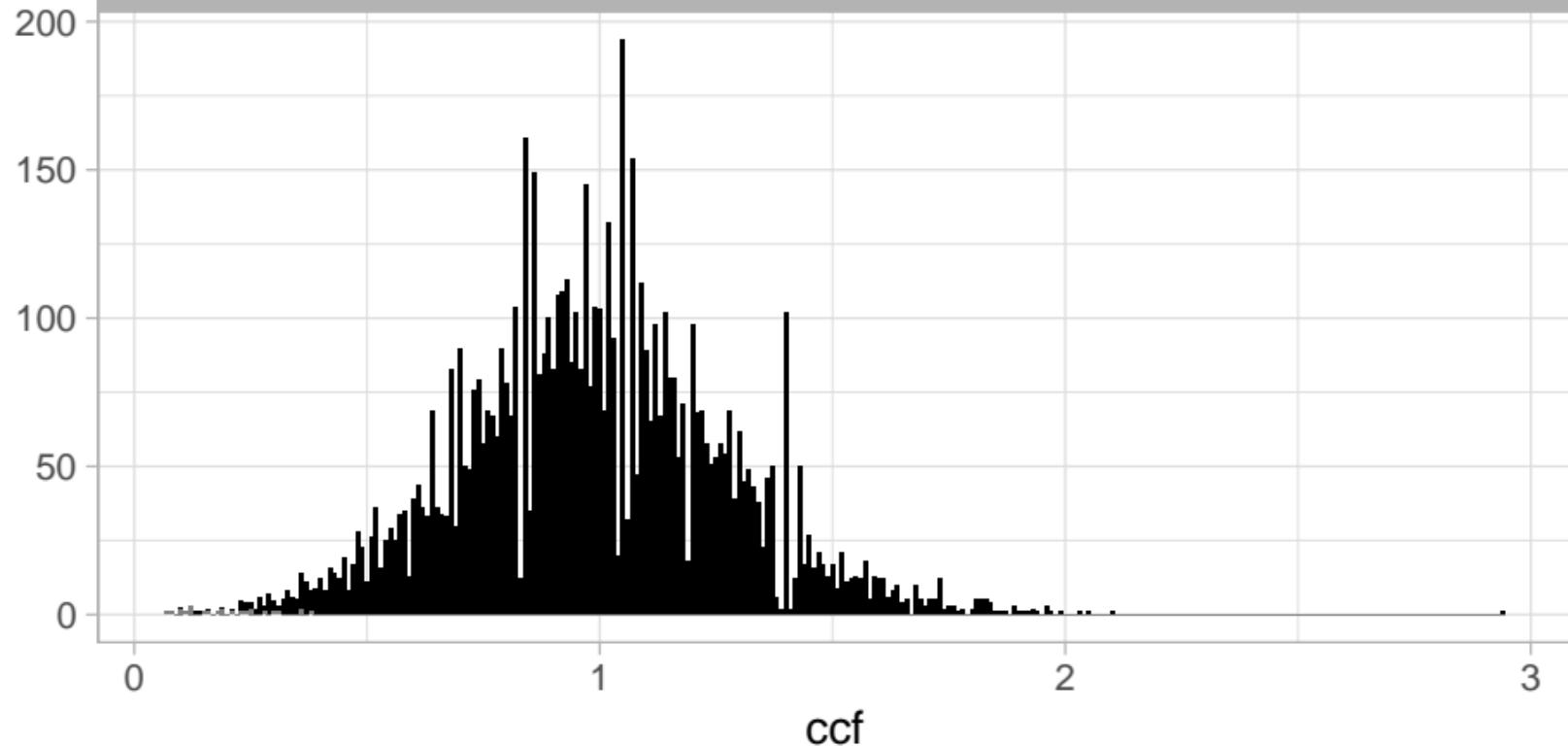
ccf

cluster tail clonal subclonal



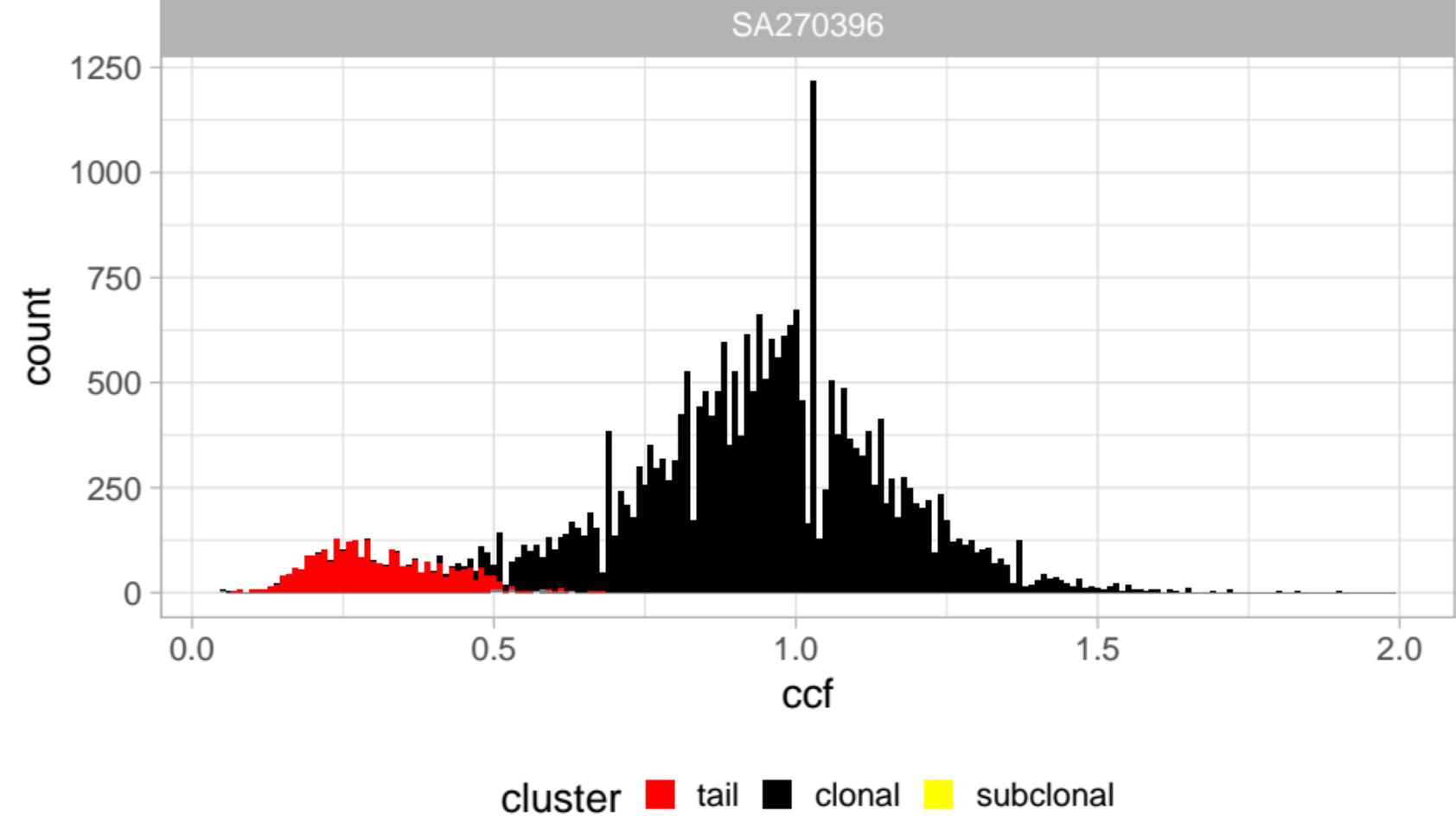
SA542535

count



cluster tail clonal subclonal

SA270396



SA530570

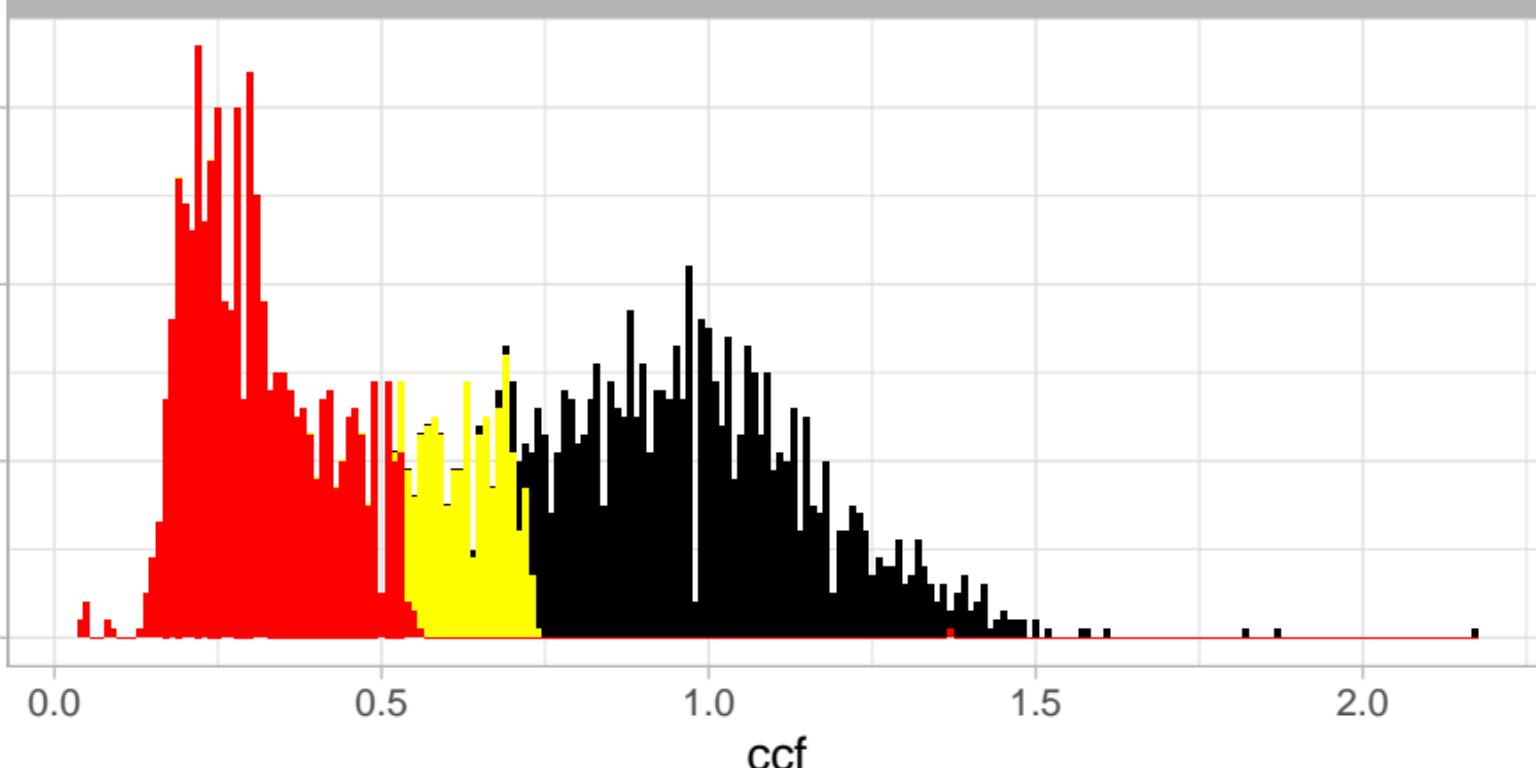
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542183

count

150

100

50

0

0.0

0.5

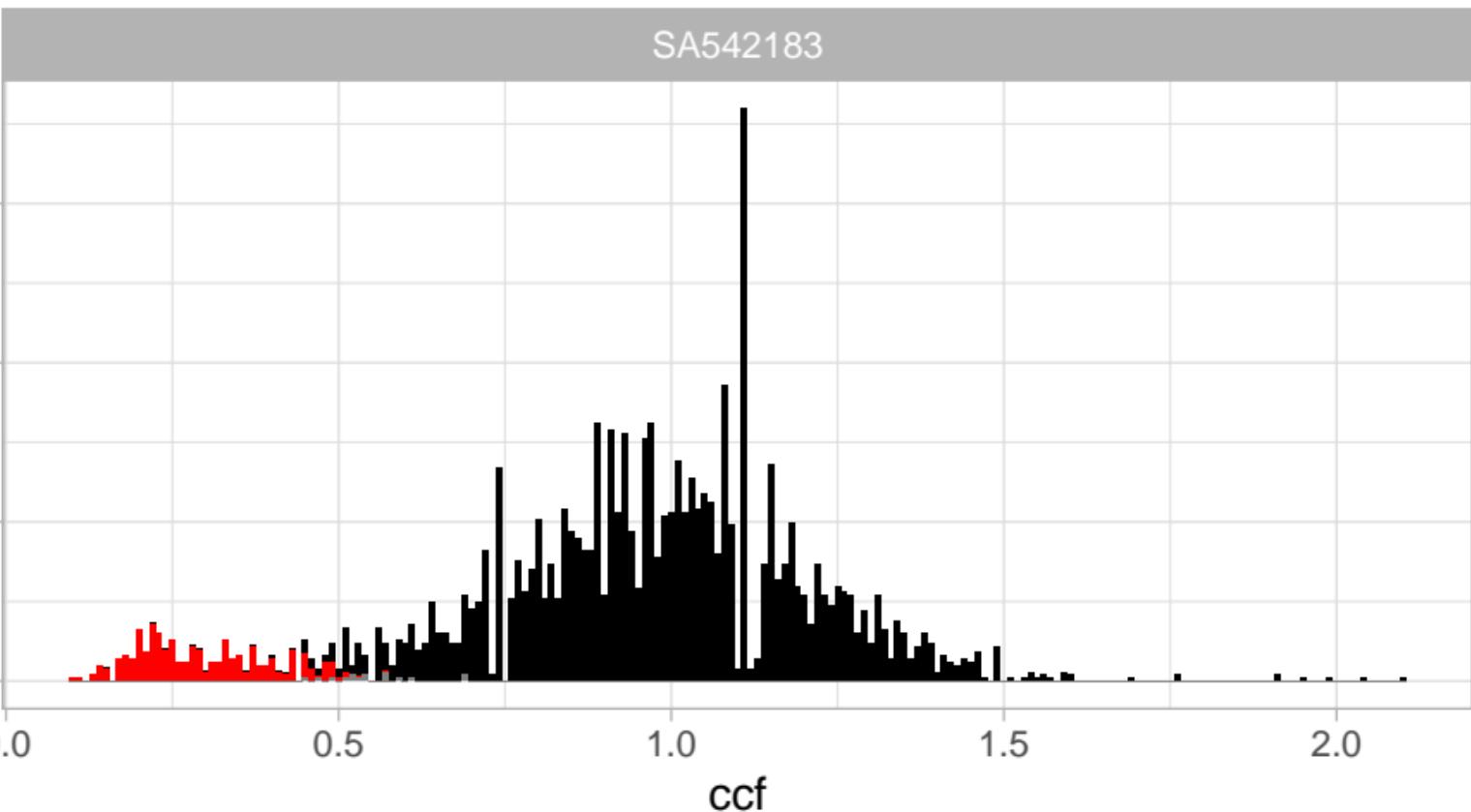
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA270400

count

200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA528831

count

800
600
400
200
0

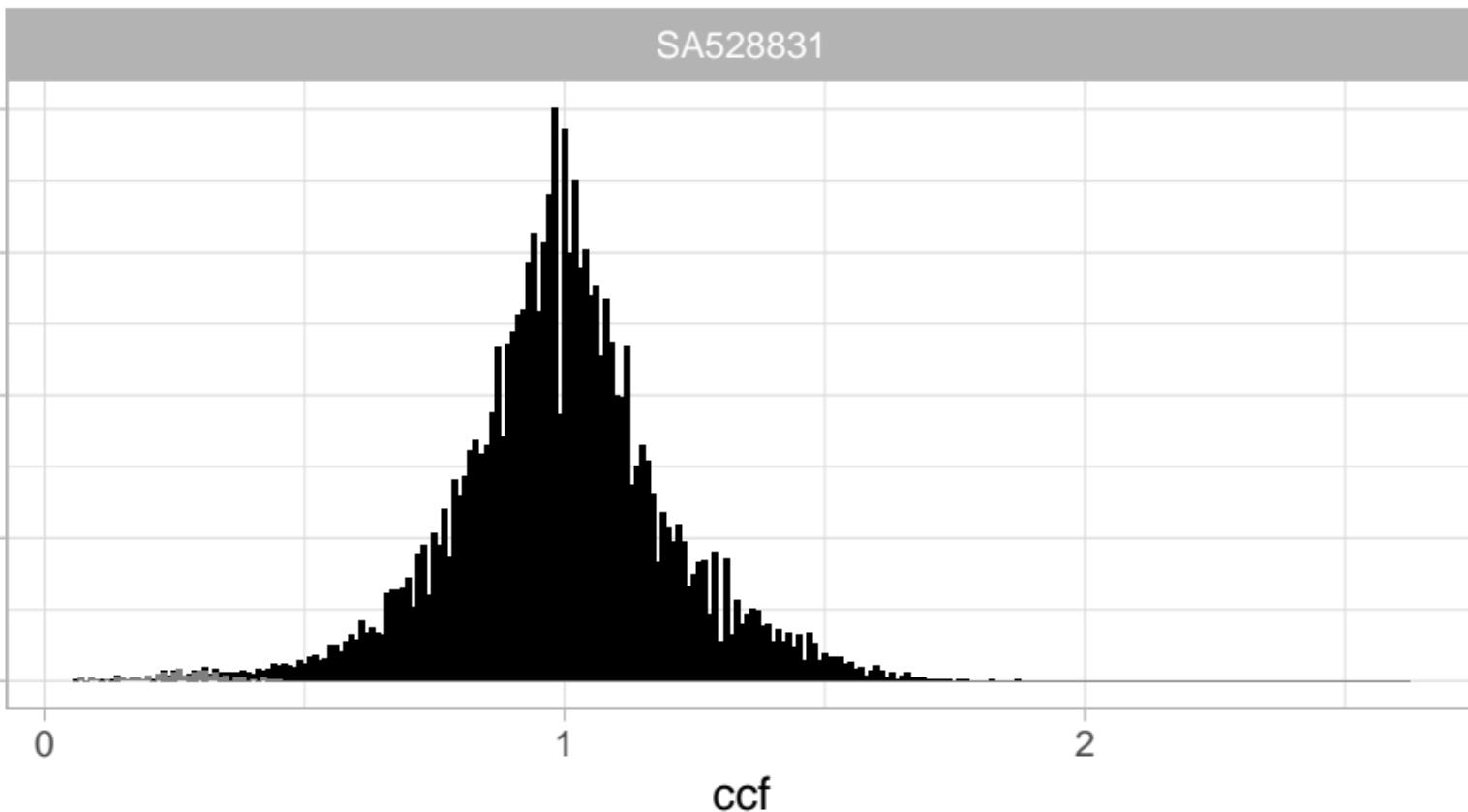
0

1

2

ccf

cluster tail clonal subclonal



SA505795

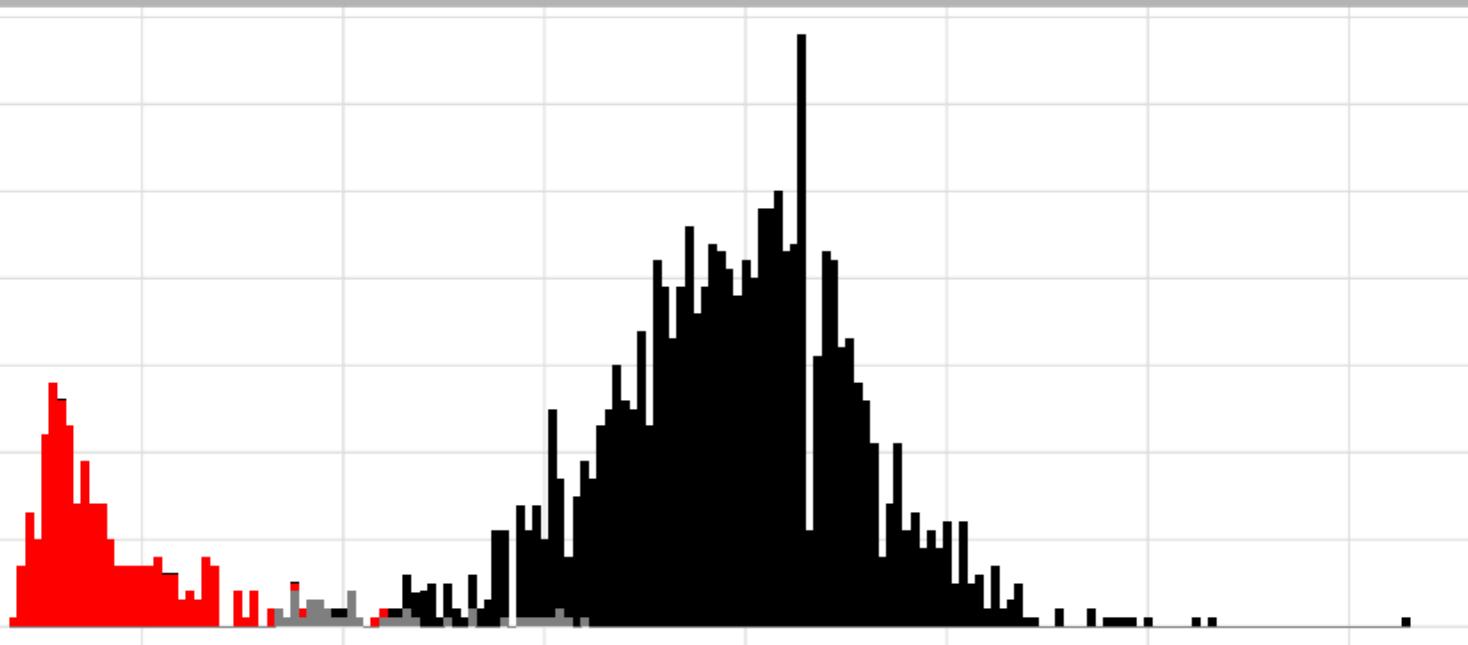
count

60
40
20
0

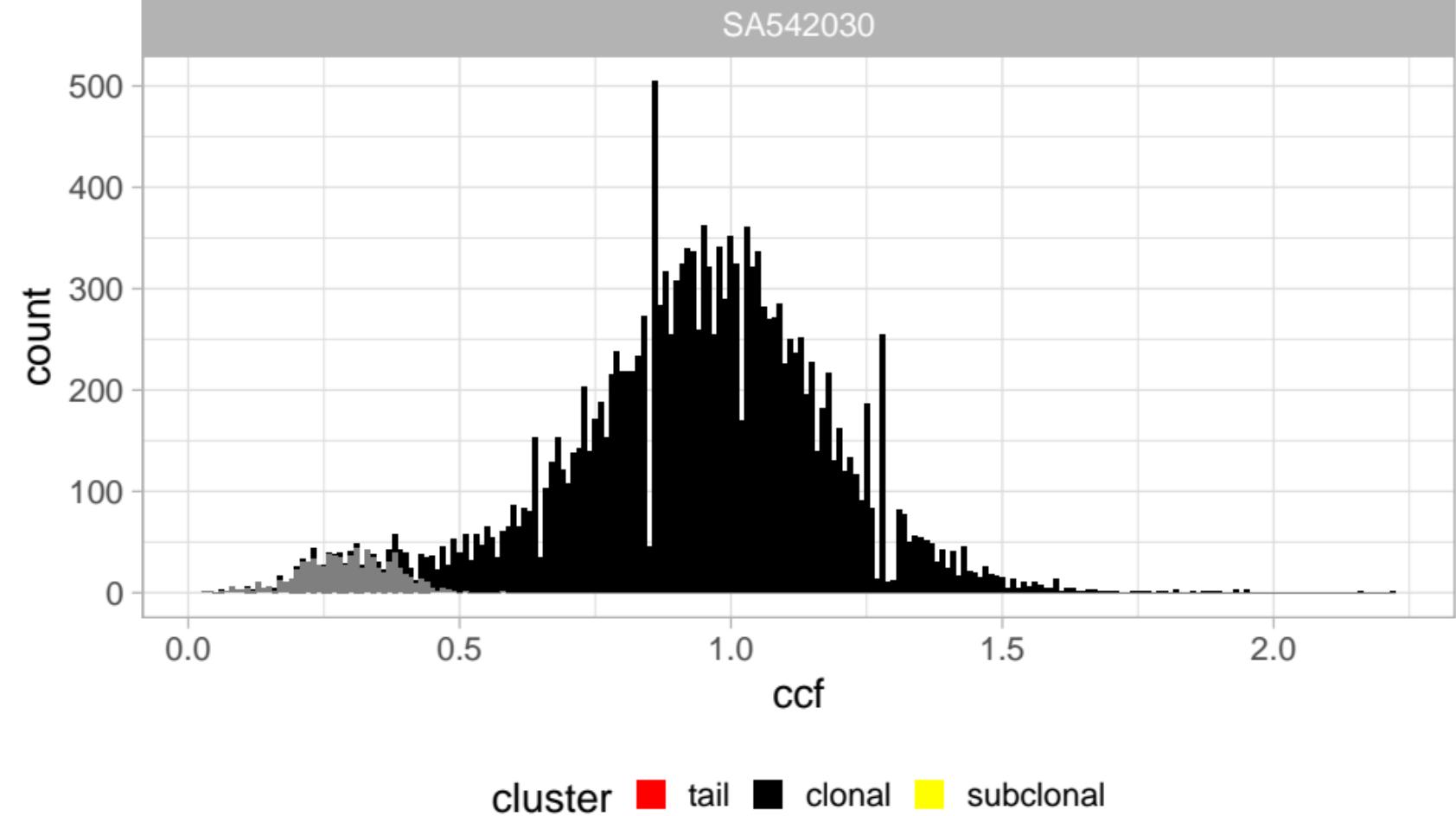
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542030



SA541762

count

40

30

20

10

0

0.0

0.5

1.0

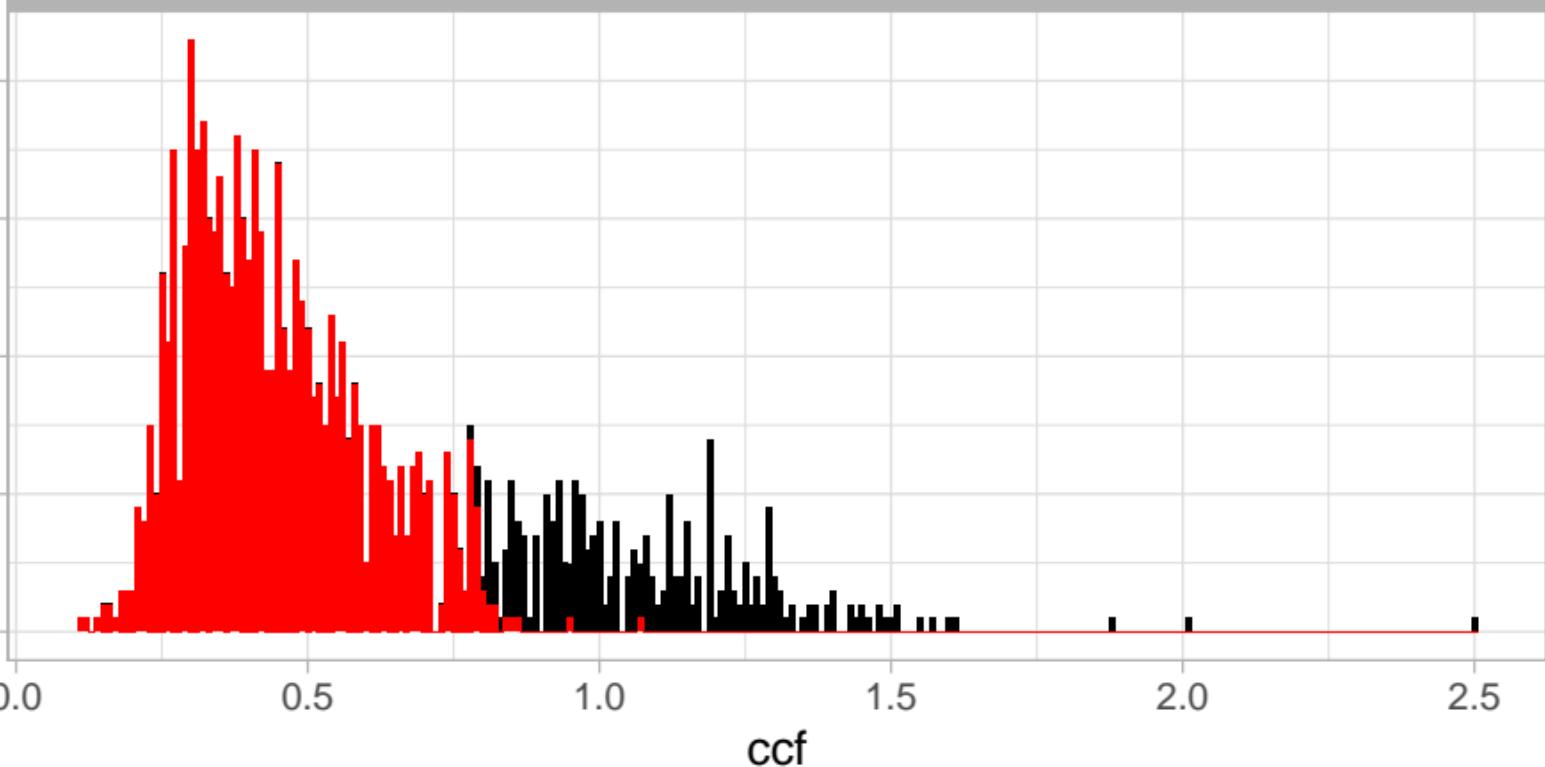
1.5

2.0

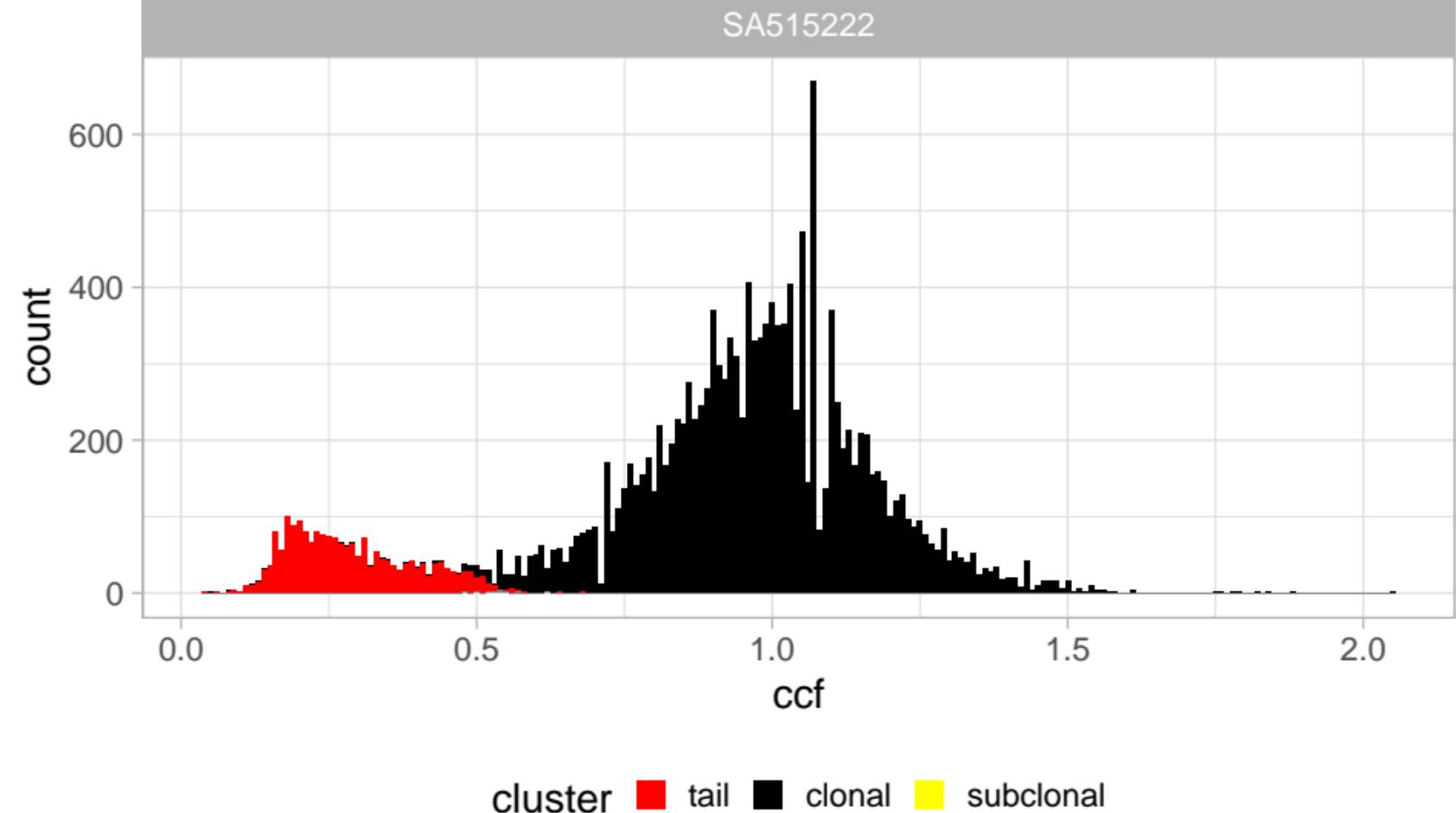
2.5

ccf

cluster tail clonal subclonal



SA515222



SA130927

count

150
100
50
0

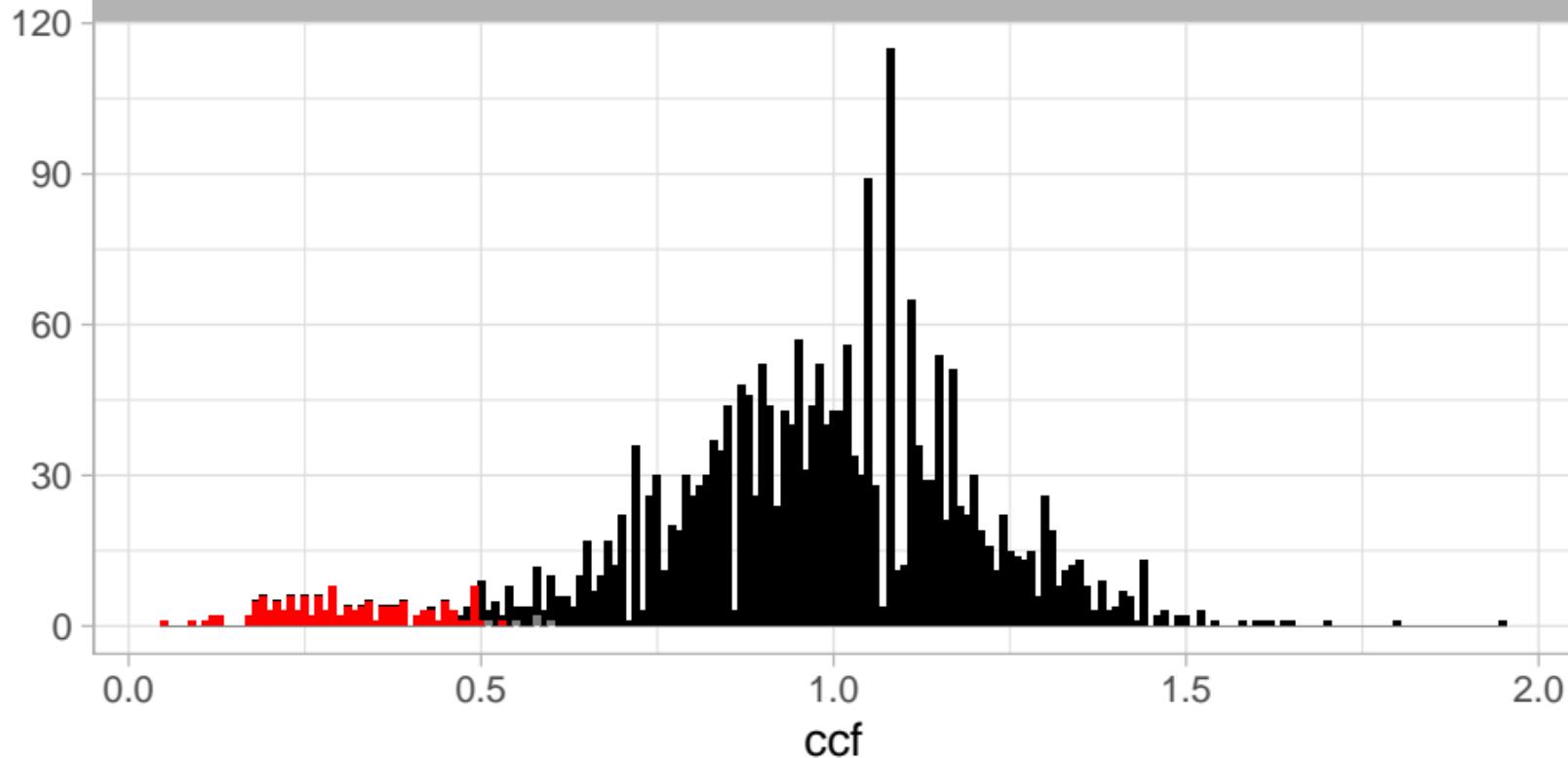
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA517333

count



cluster ■ tail ■ clonal ■ subclonal

SA528901

count

400
300
200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA538983

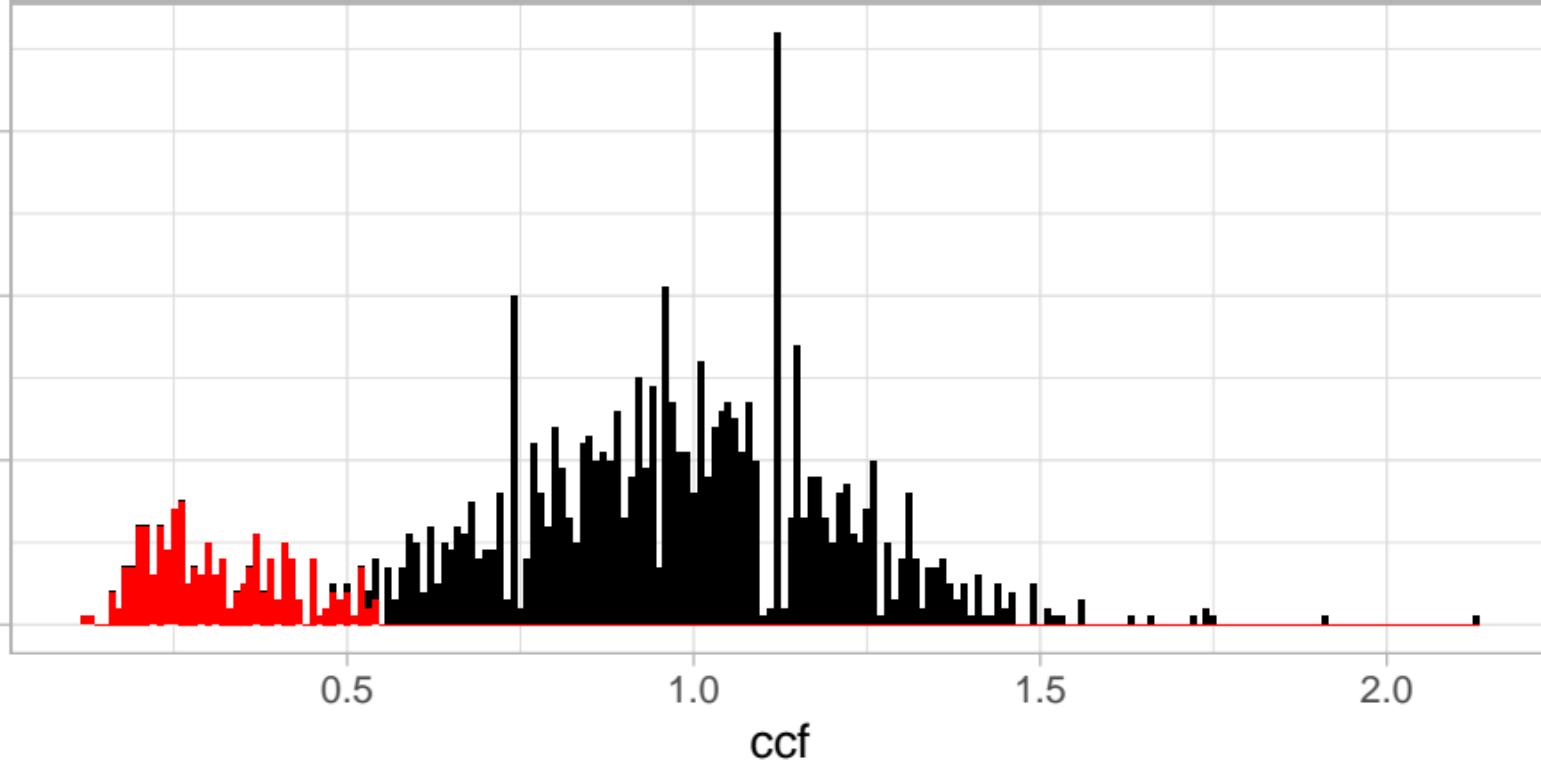
count

60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA410875

count

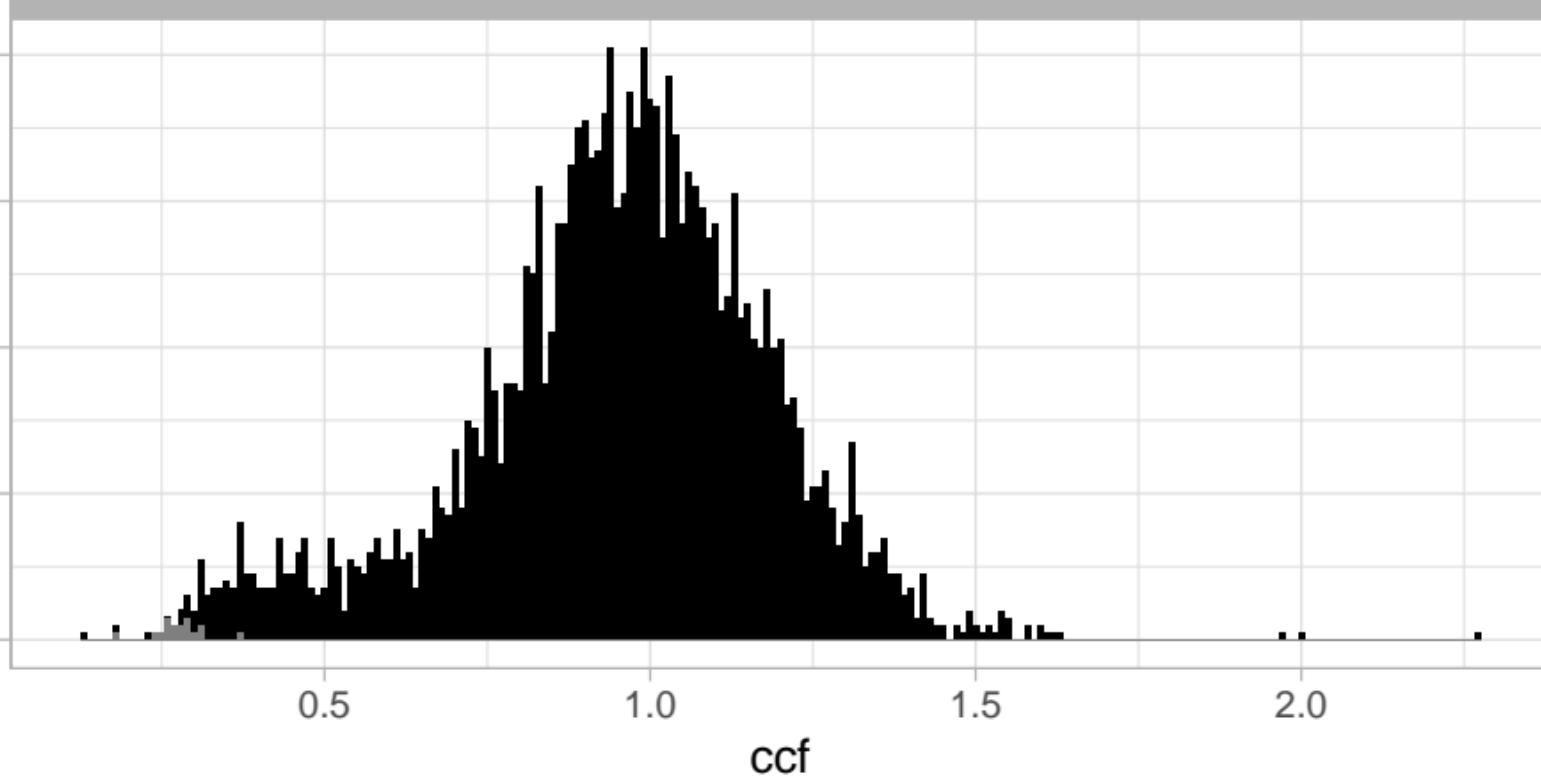
80
60
40
20
0

1.0

0.5

ccf

cluster tail clonal subclonal



SA501639

count

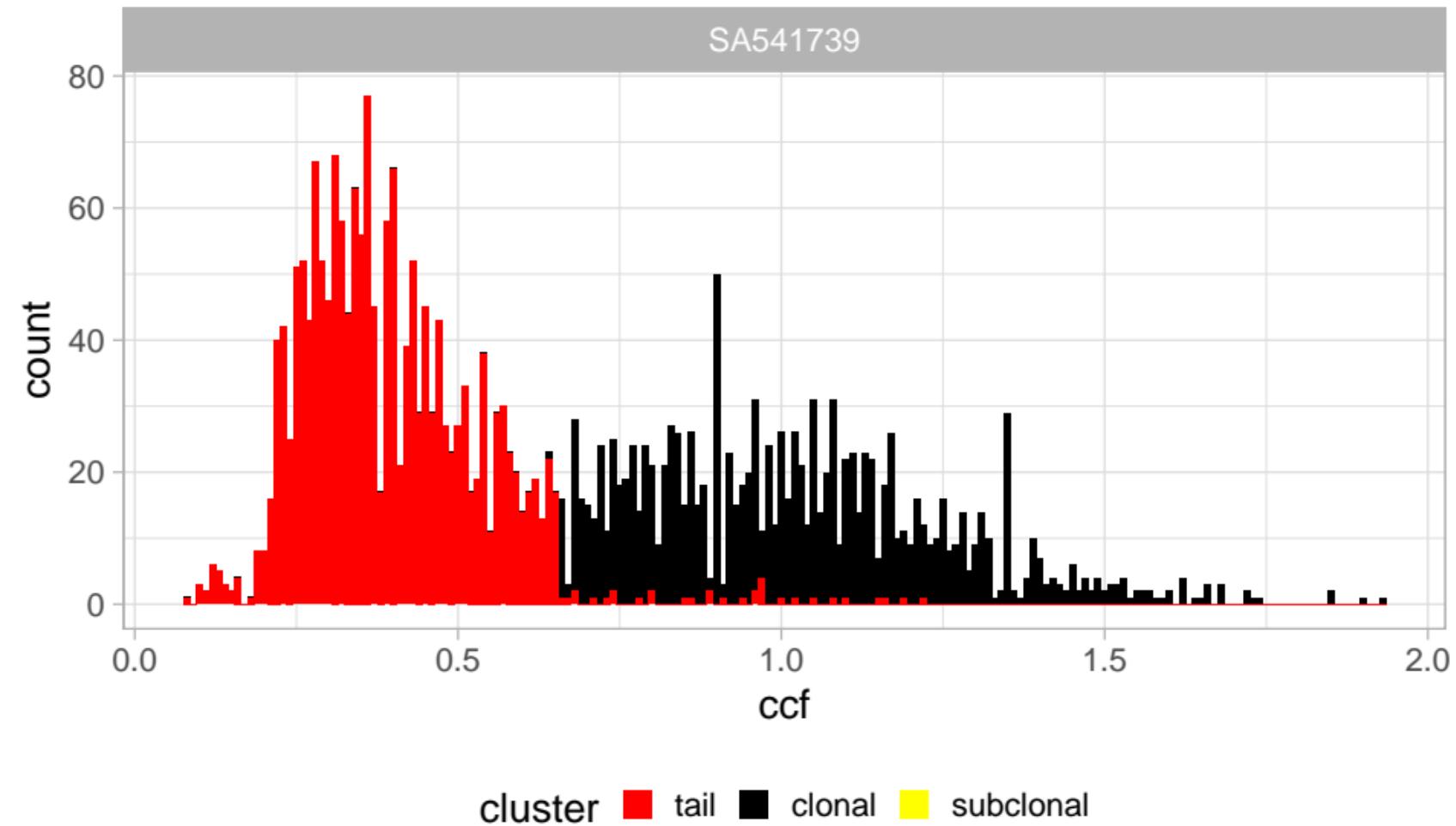
500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA541739



SA506676

count

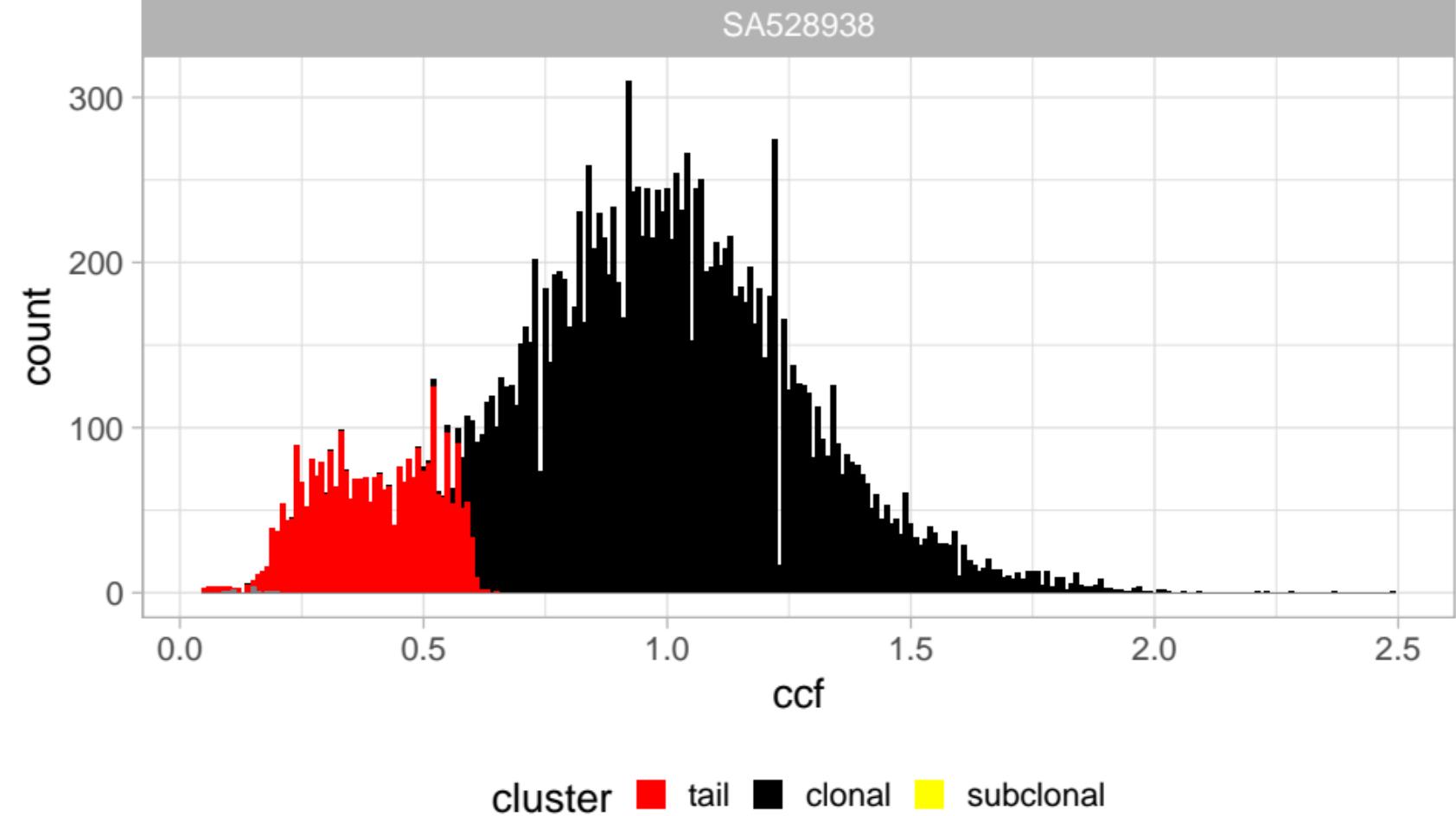
90
60
30
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA528938



SA518739

count

90
60
30
0

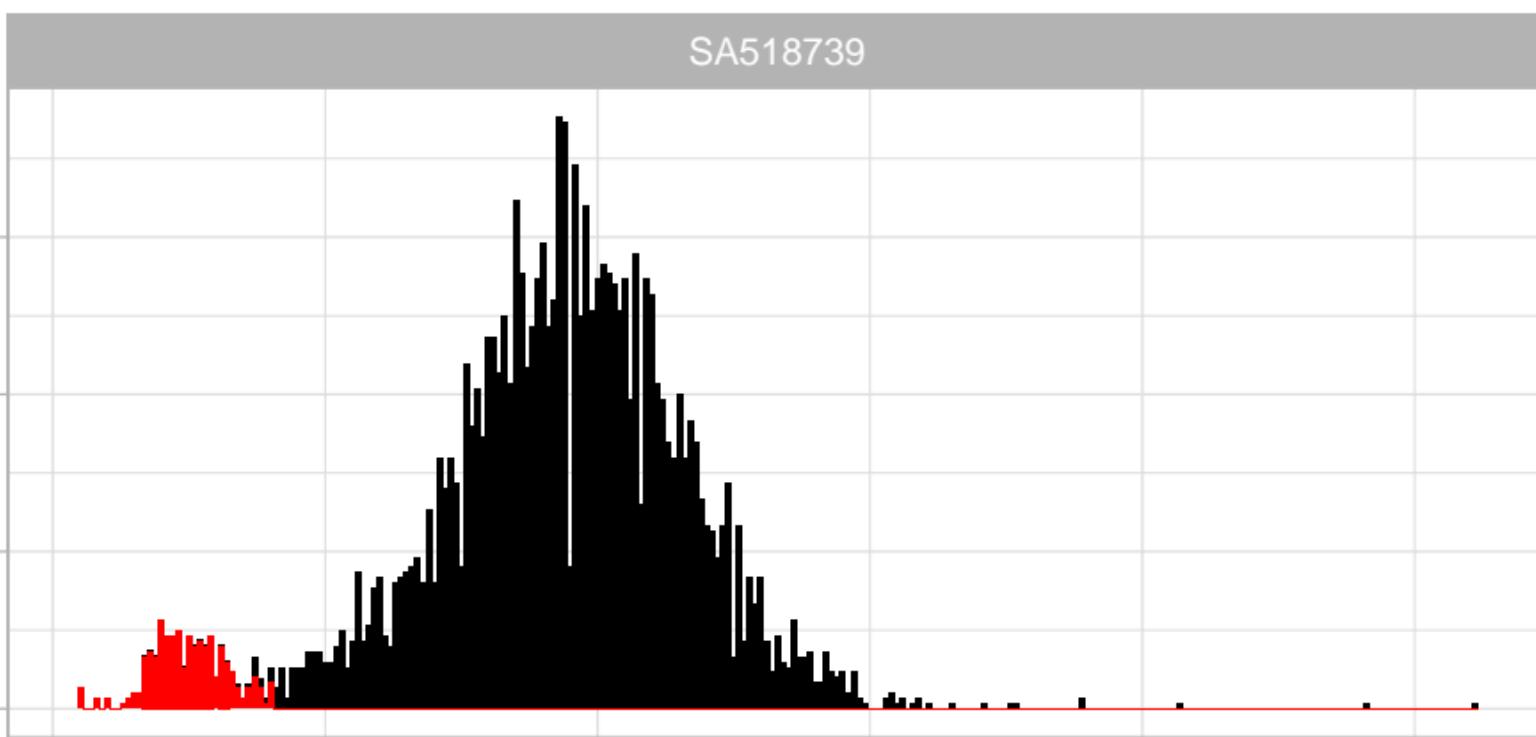
0

1

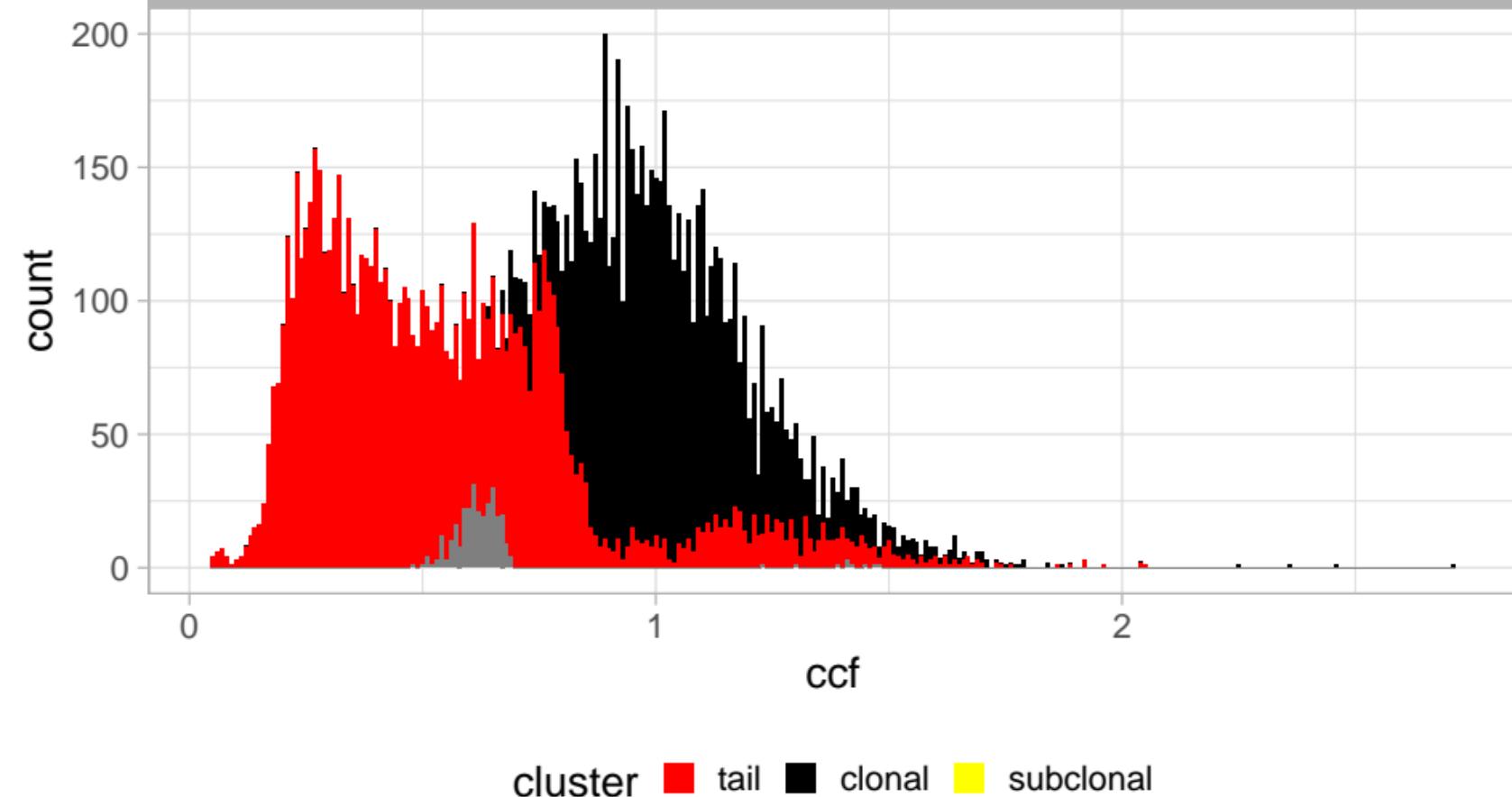
2

ccf

cluster tail clonal subclonal



SA557315



SA505690

count

400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA539023

count

60

40

20

0

0.0

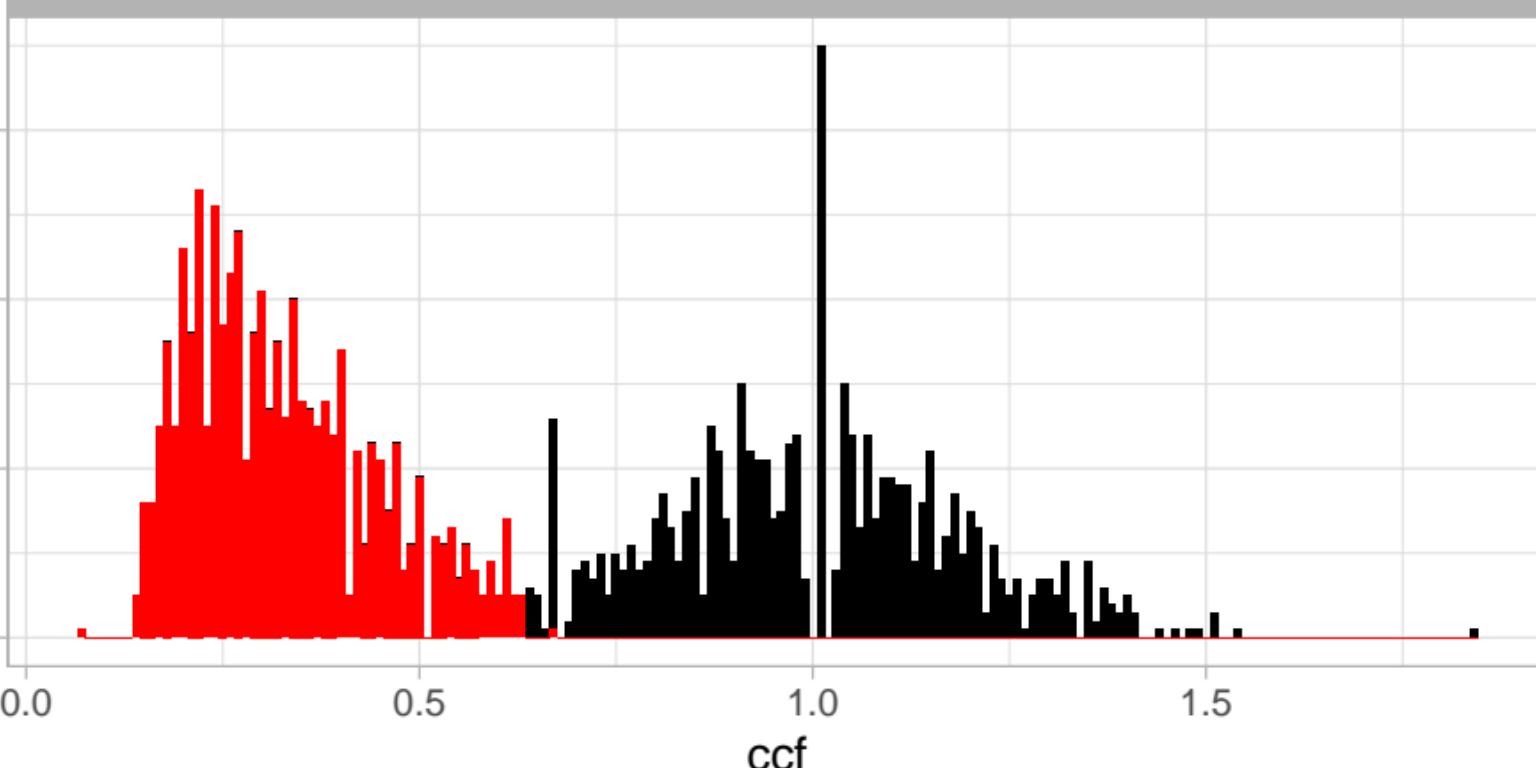
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA528760

count

200

150

100

50

0

0.0

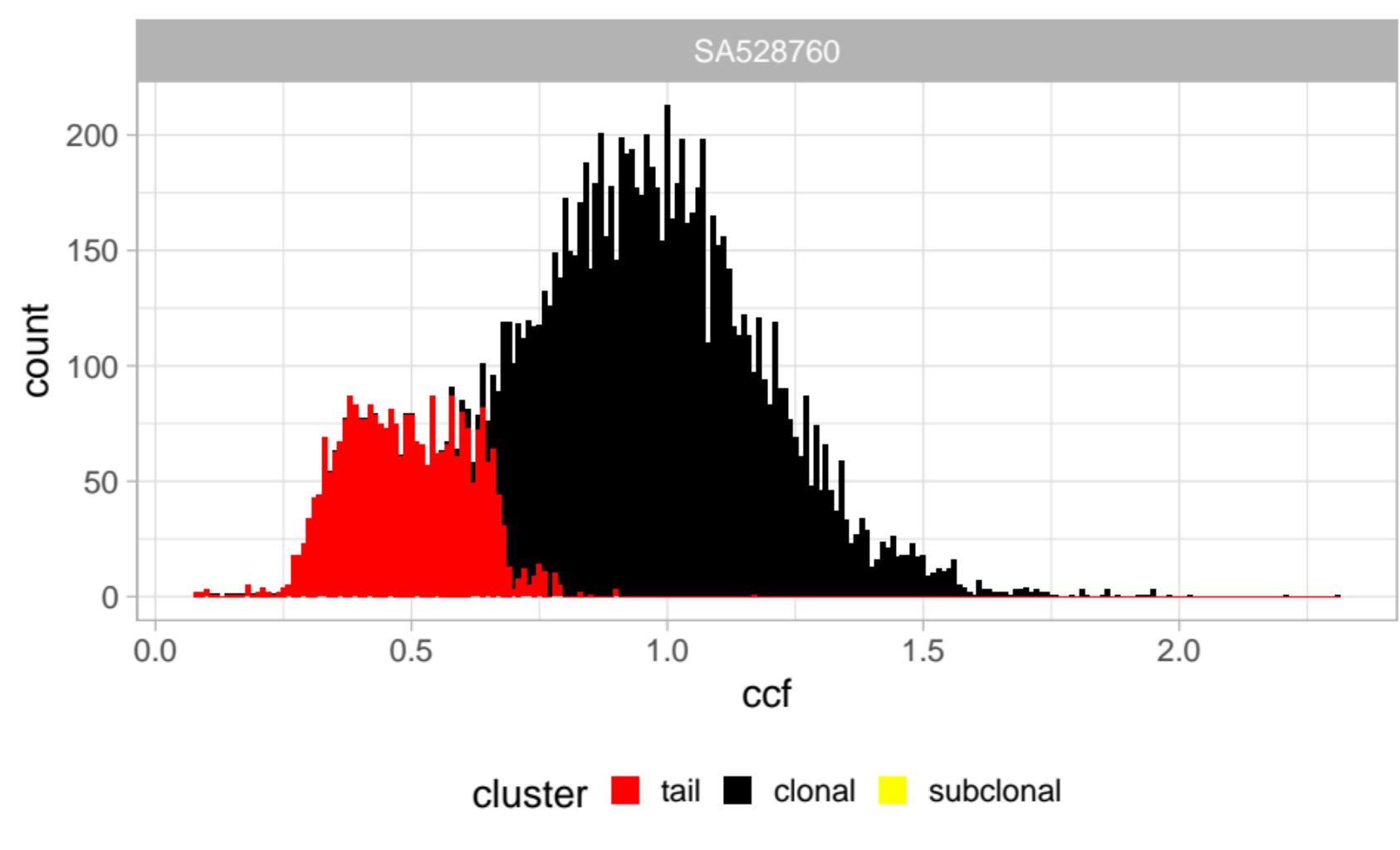
0.5

1.5

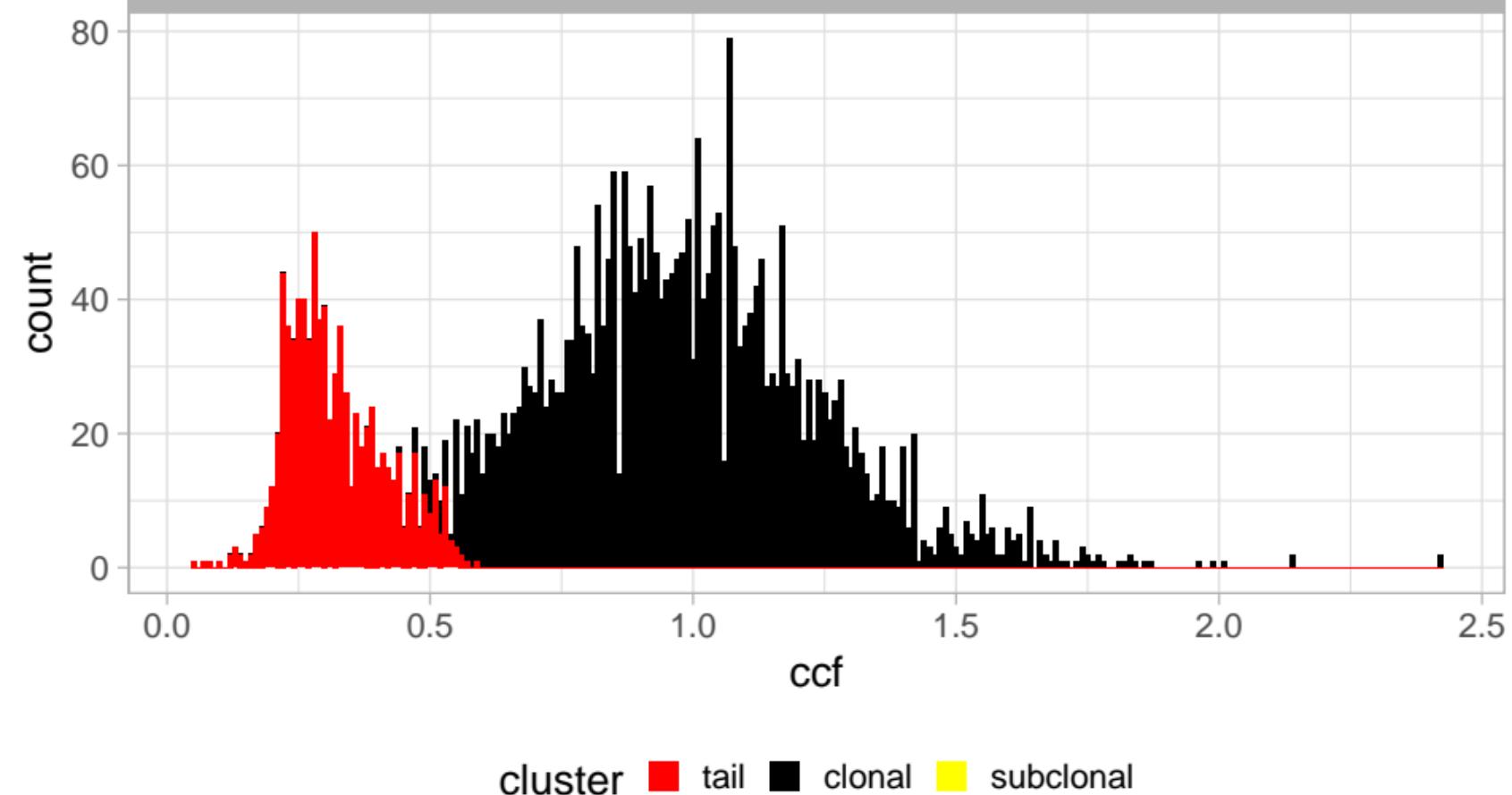
2.0

ccf

cluster tail clonal subclonal



SA530567



SA558645

count

100

50

0

0.0

0.5

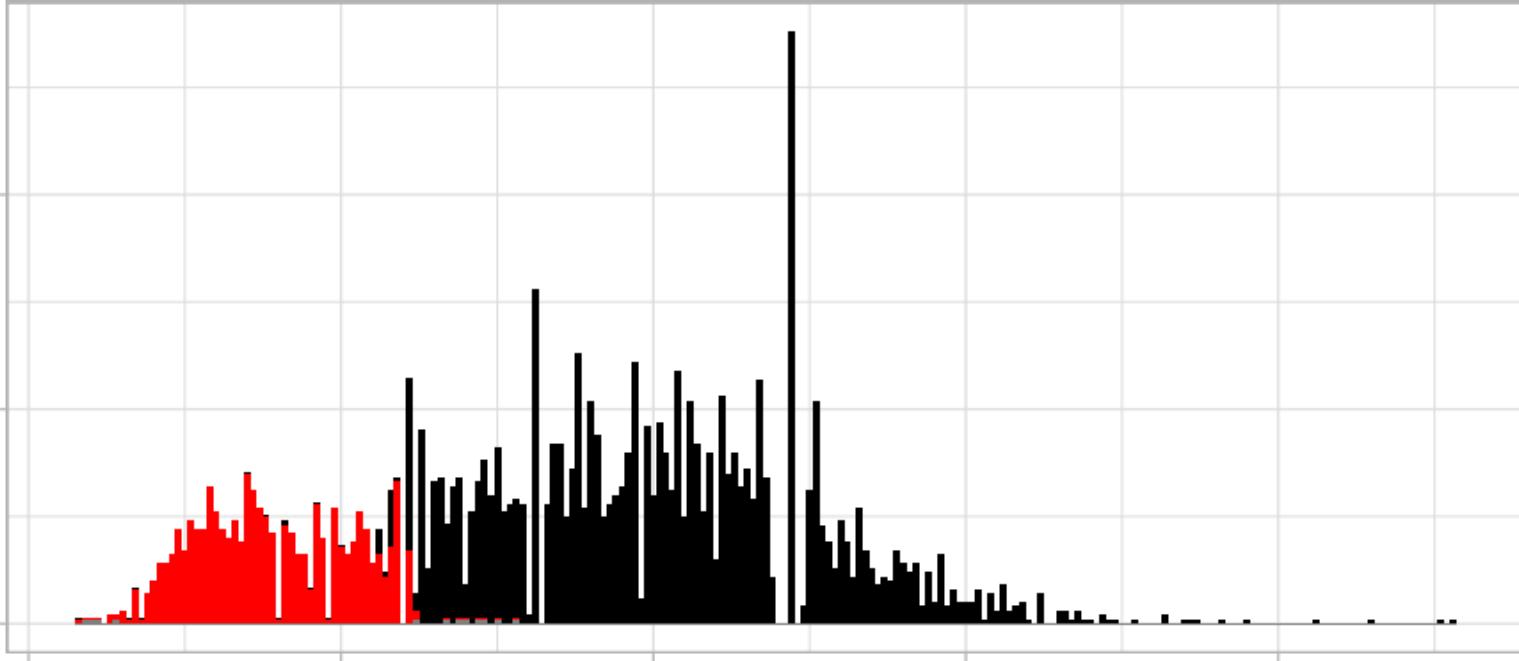
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501643

count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA557456

count

4000
2000
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster ■ tail ■ clonal ■ subclonal

SA520223

count

200

100

0

0.0

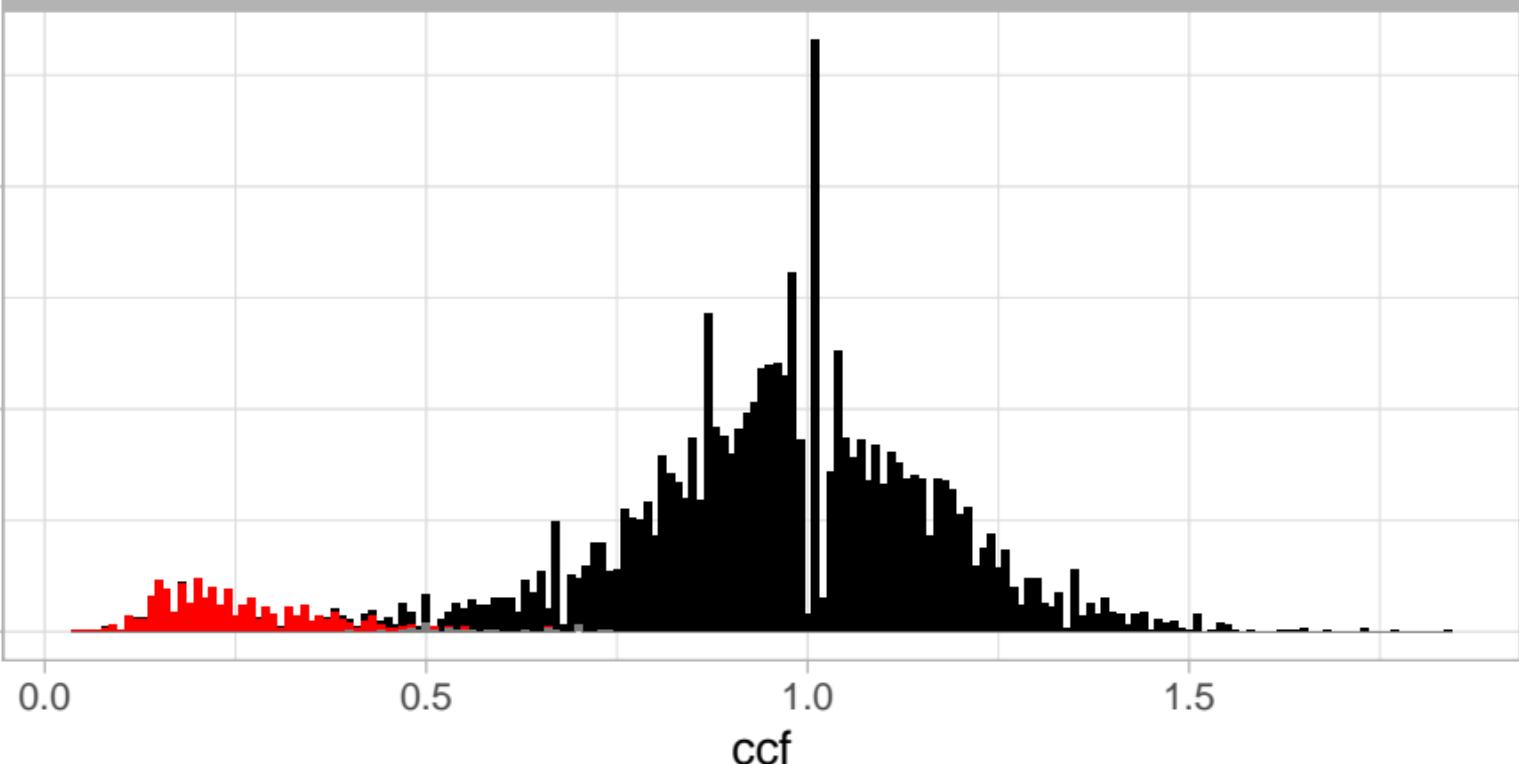
0.5

1.0

1.5

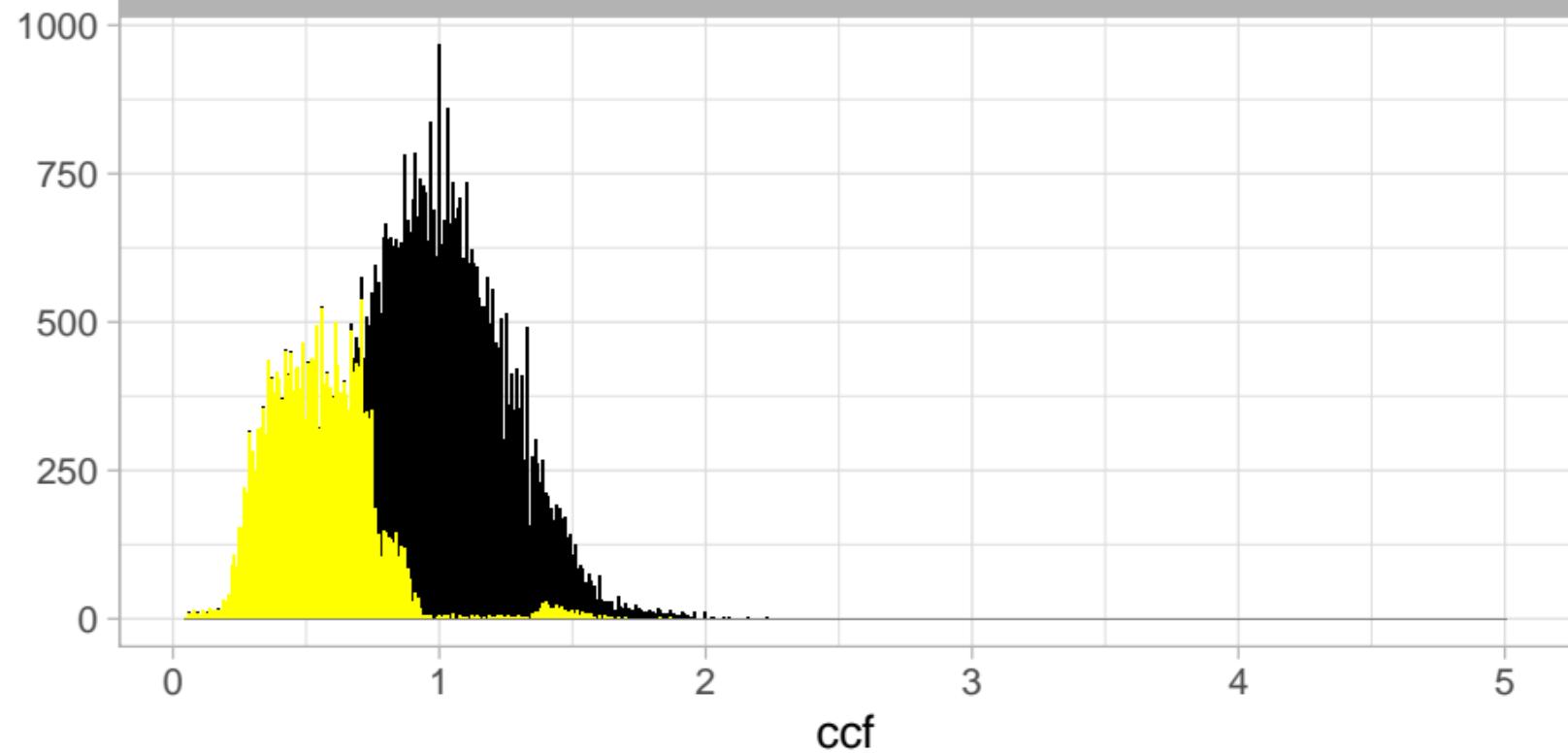
ccf

cluster ■ tail ■ clonal ■ subclonal



SA528811

count



cluster ■ tail ■ clonal ■ subclonal

SA530634

count

300
200
100
0

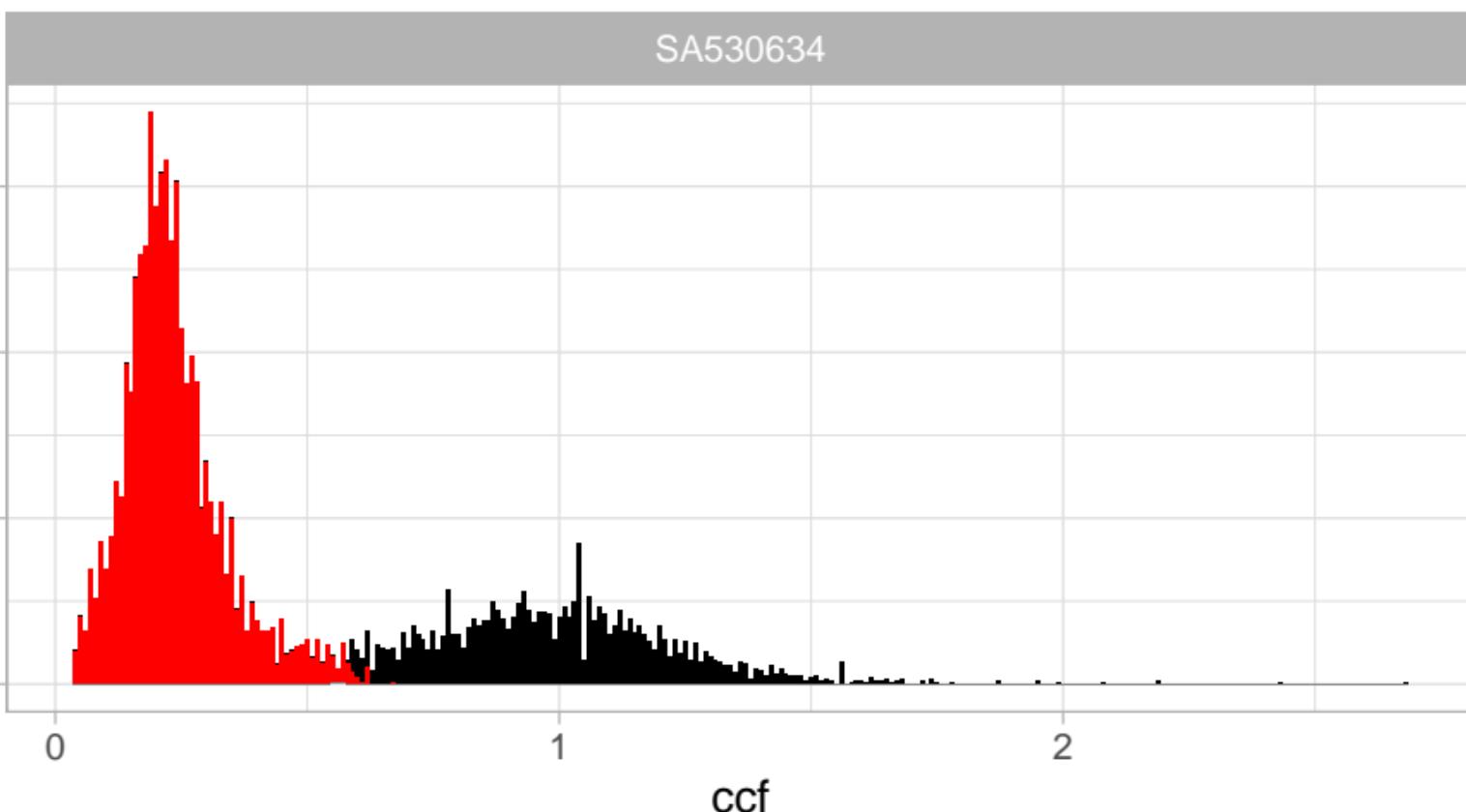
0

1

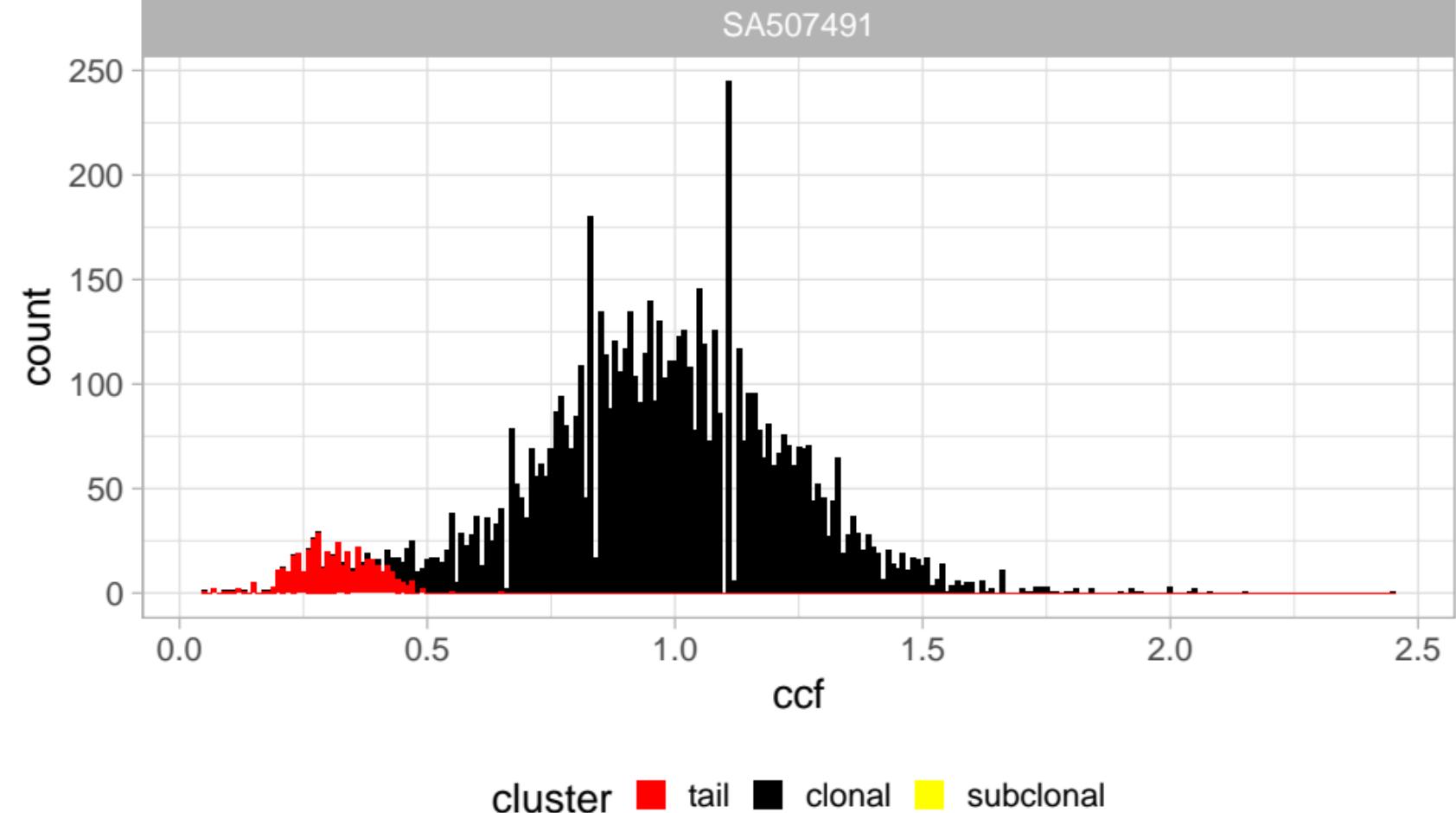
2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA507491



SA413782

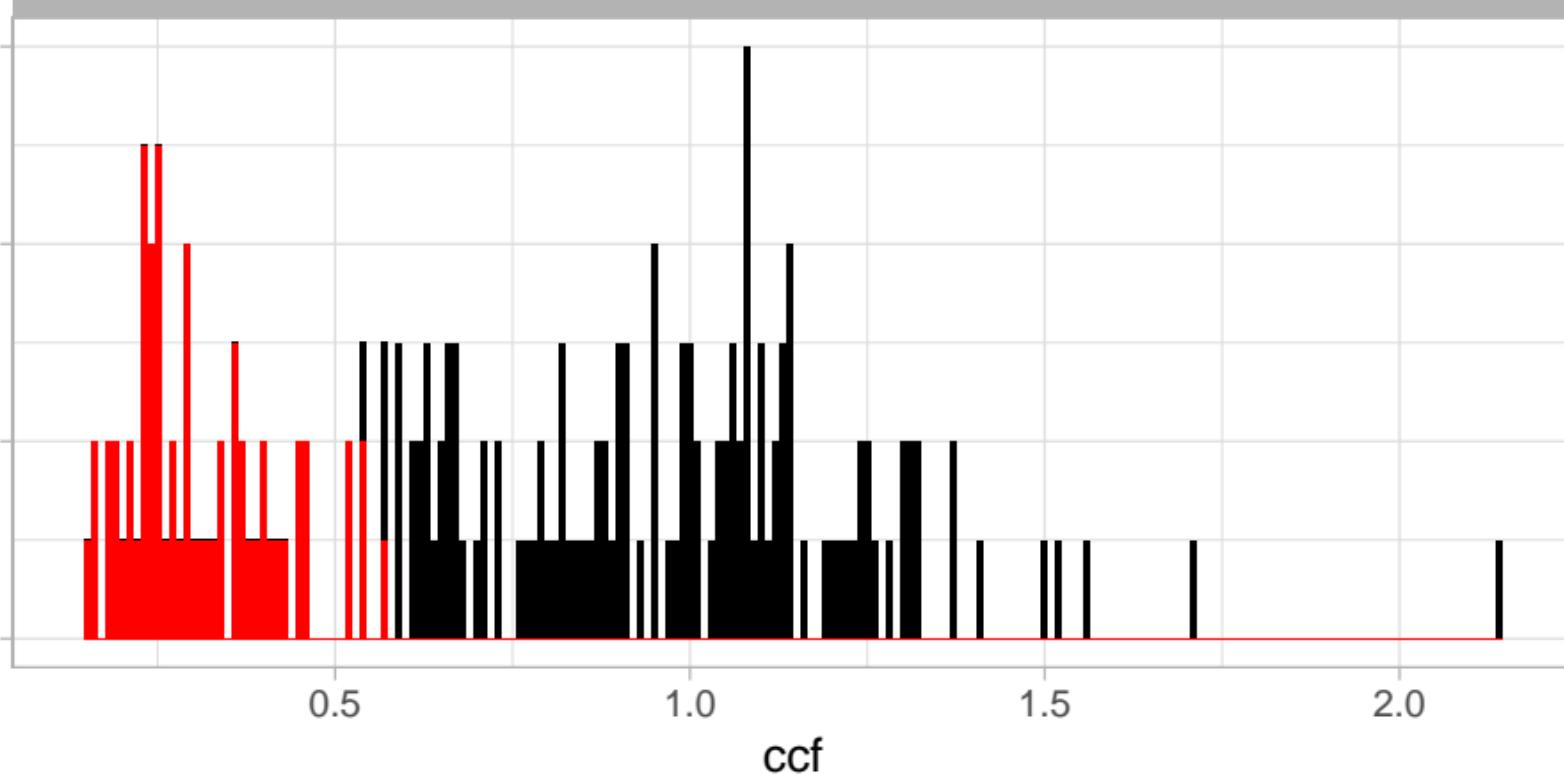
count

6
4
2
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA539000

count

100

50

0

0.0

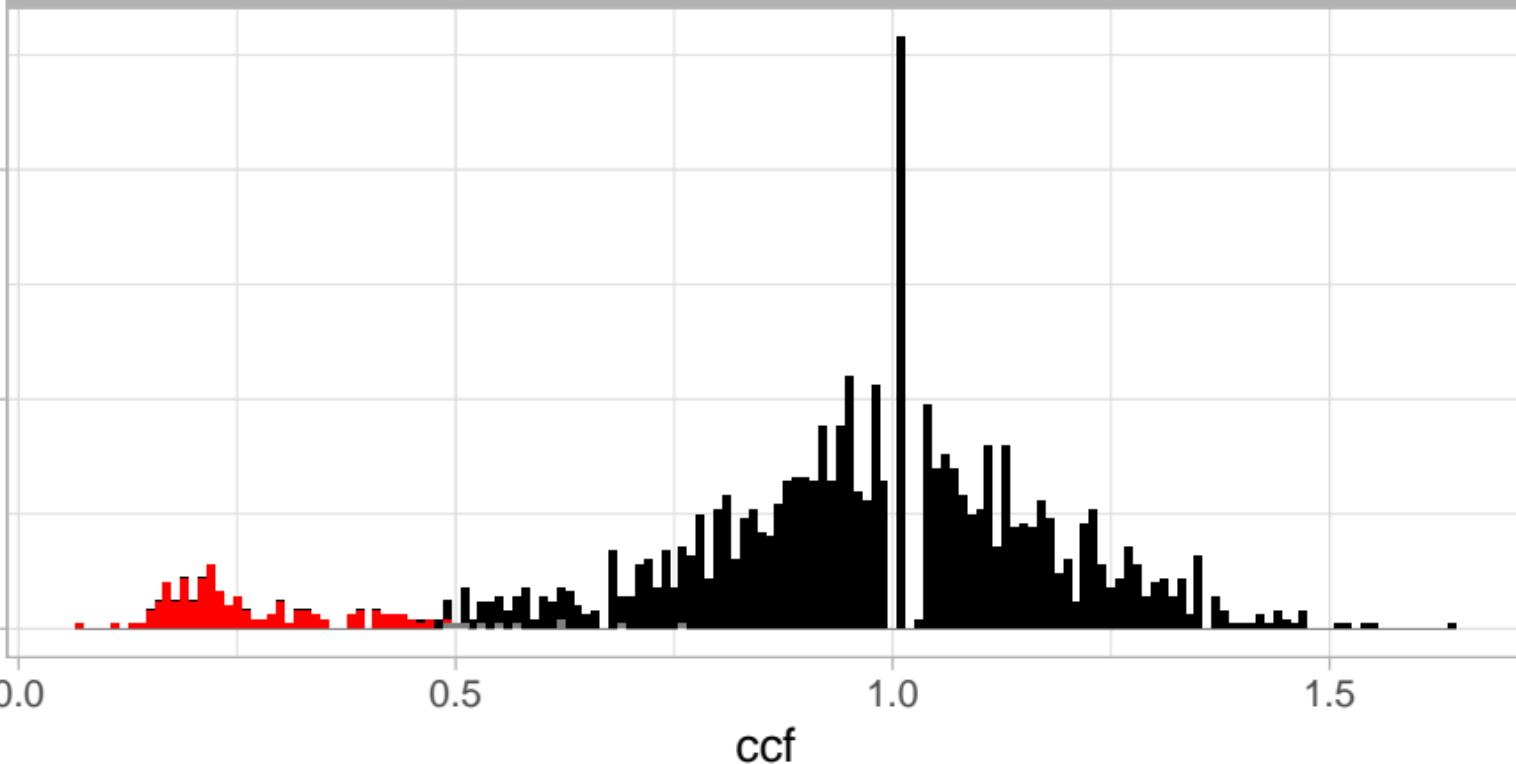
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530460

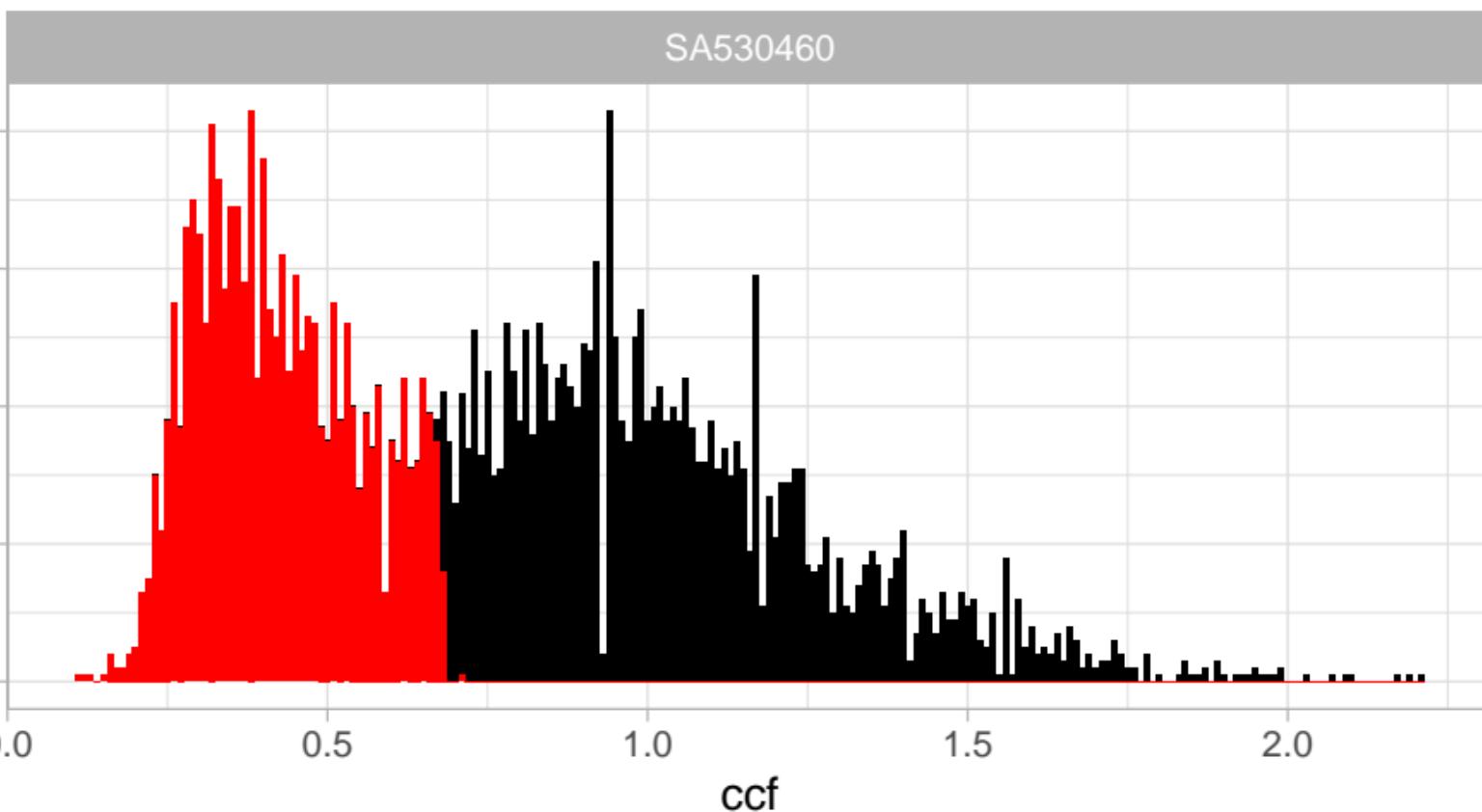
count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA507431

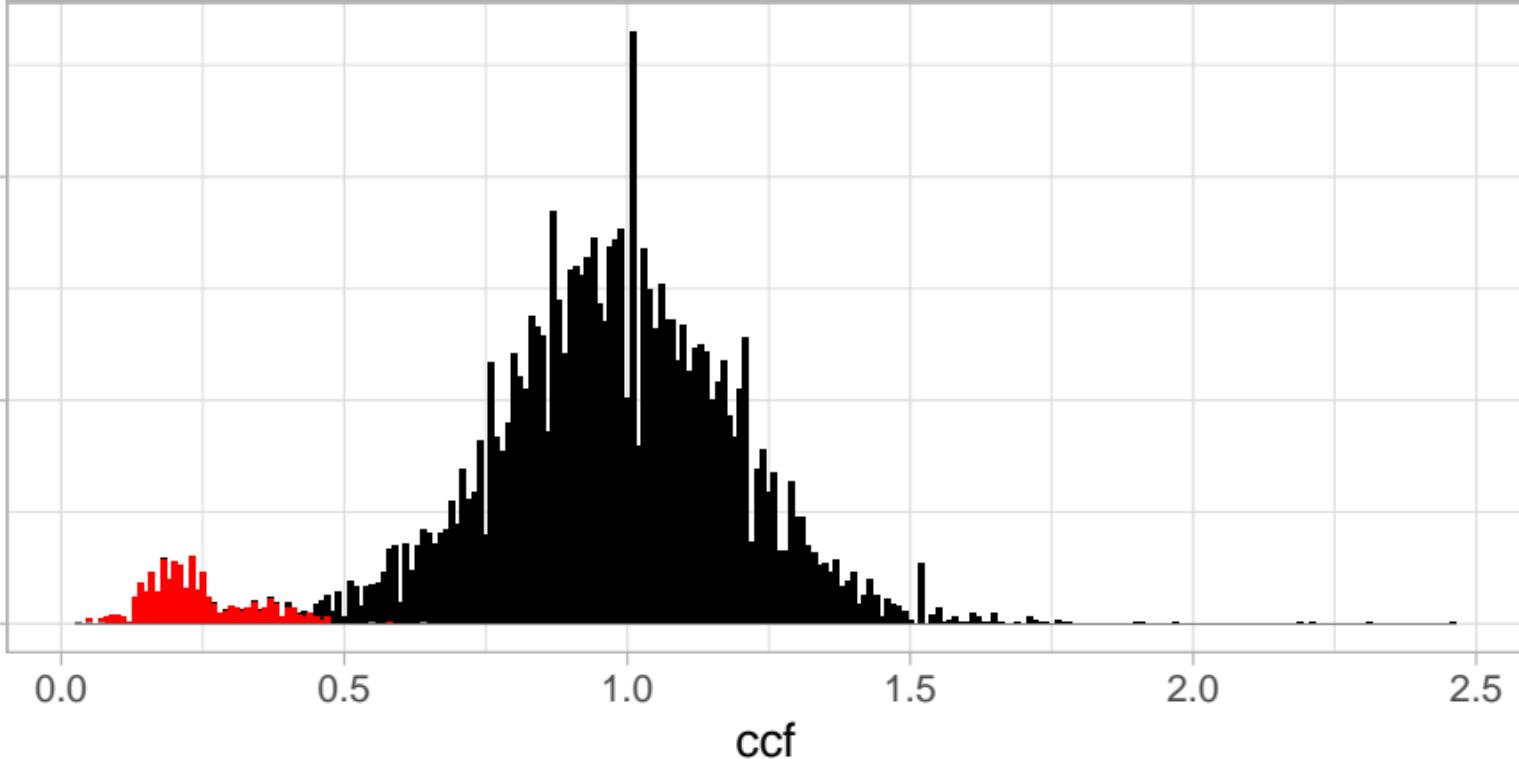
count

200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

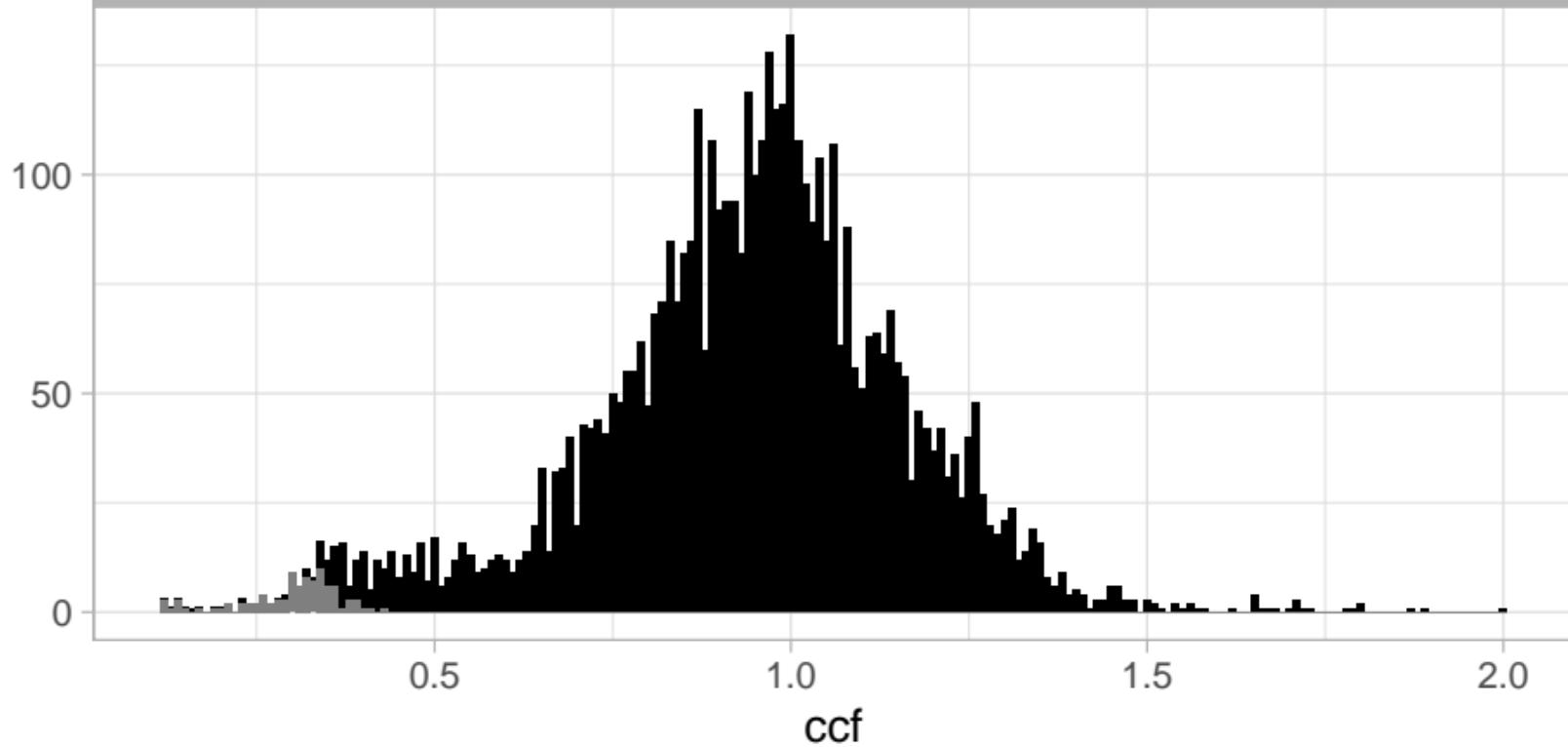
ccf

cluster ■ tail ■ clonal ■ subclonal



SA408562

count



cluster ■ tail ■ clonal ■ subclonal

SA413480

count

4
3
2
1
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA505416

count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA320980

count

90
60
30
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

■

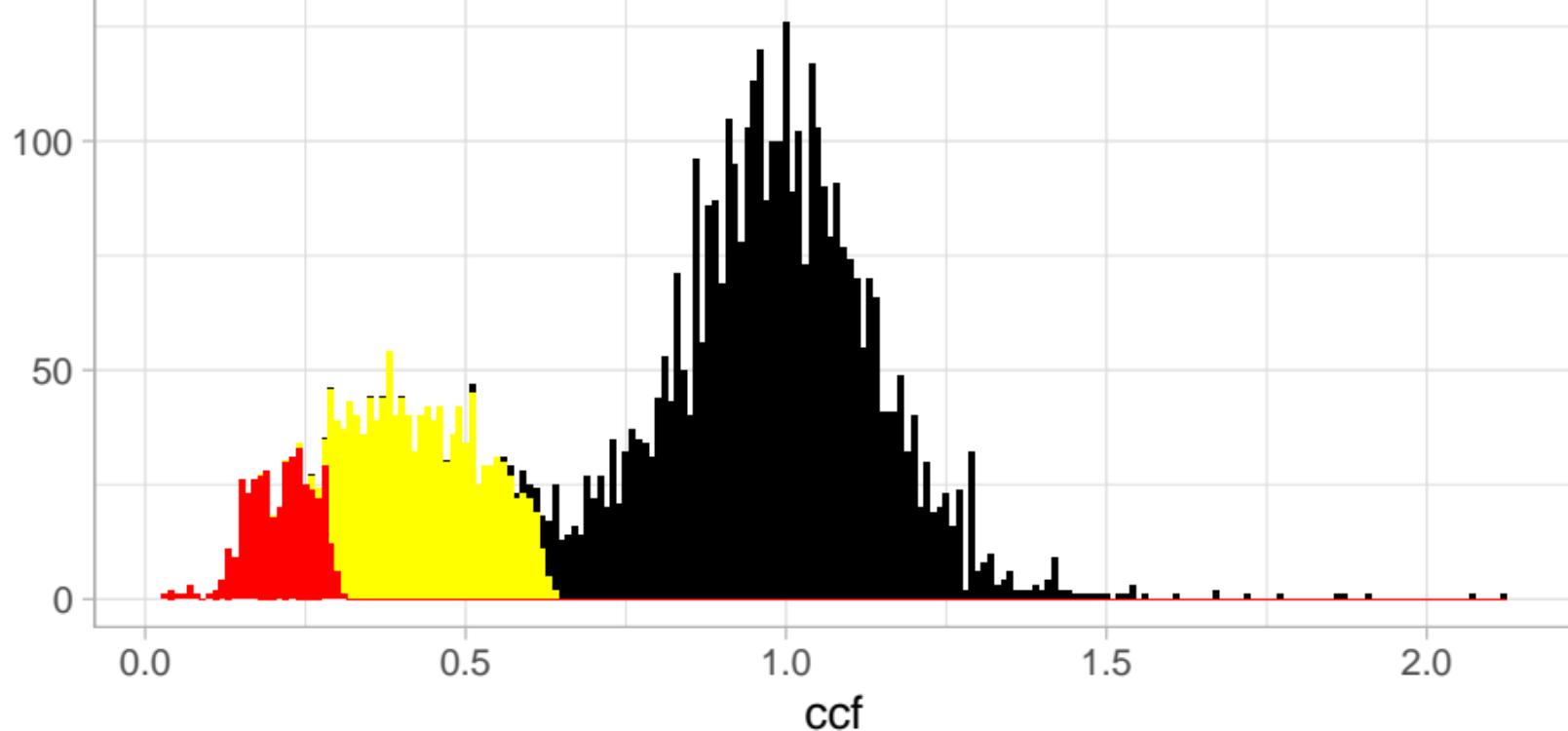
■

■

■

SA533764

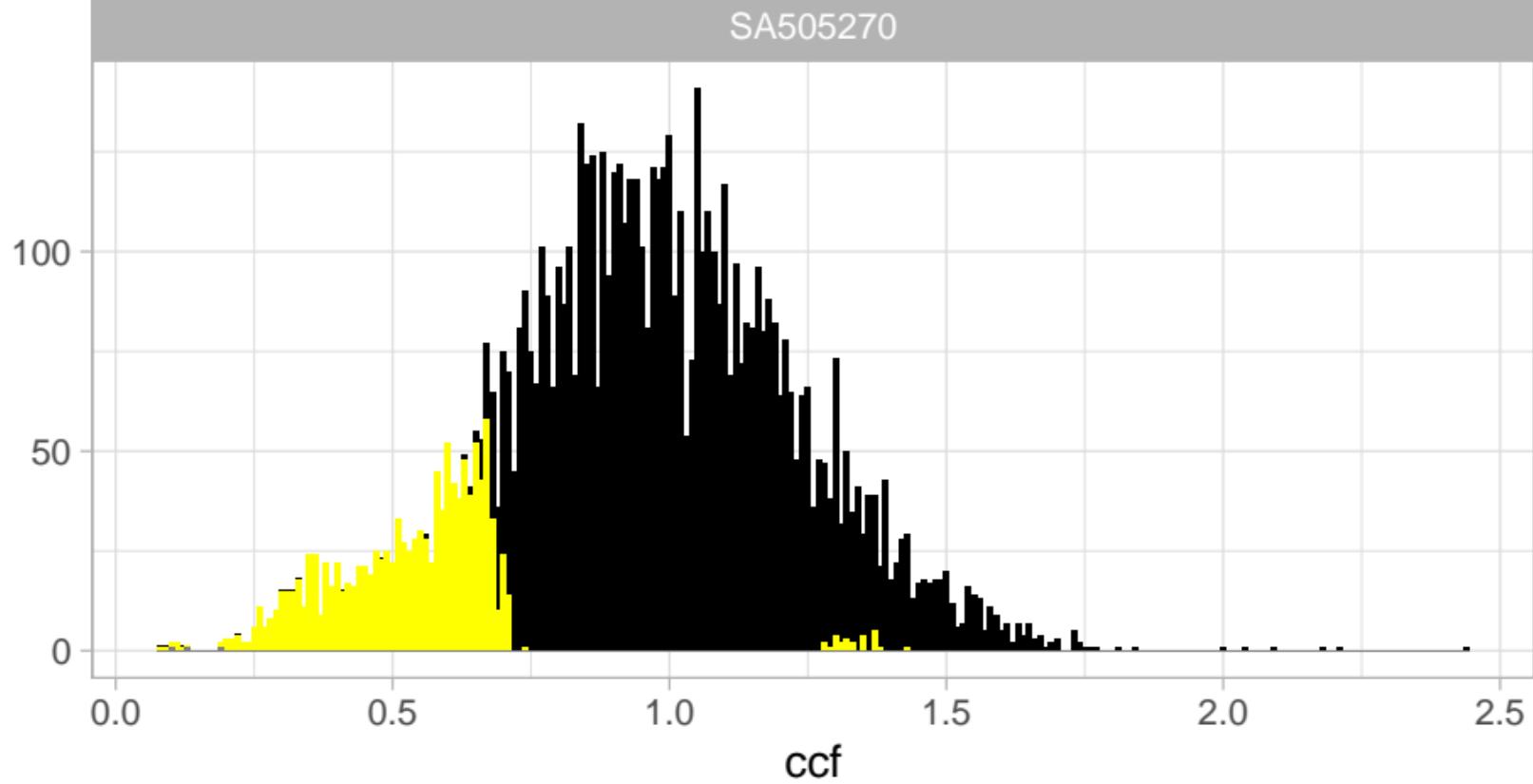
count



cluster ■ tail ■ clonal ■ subclonal

SA505270

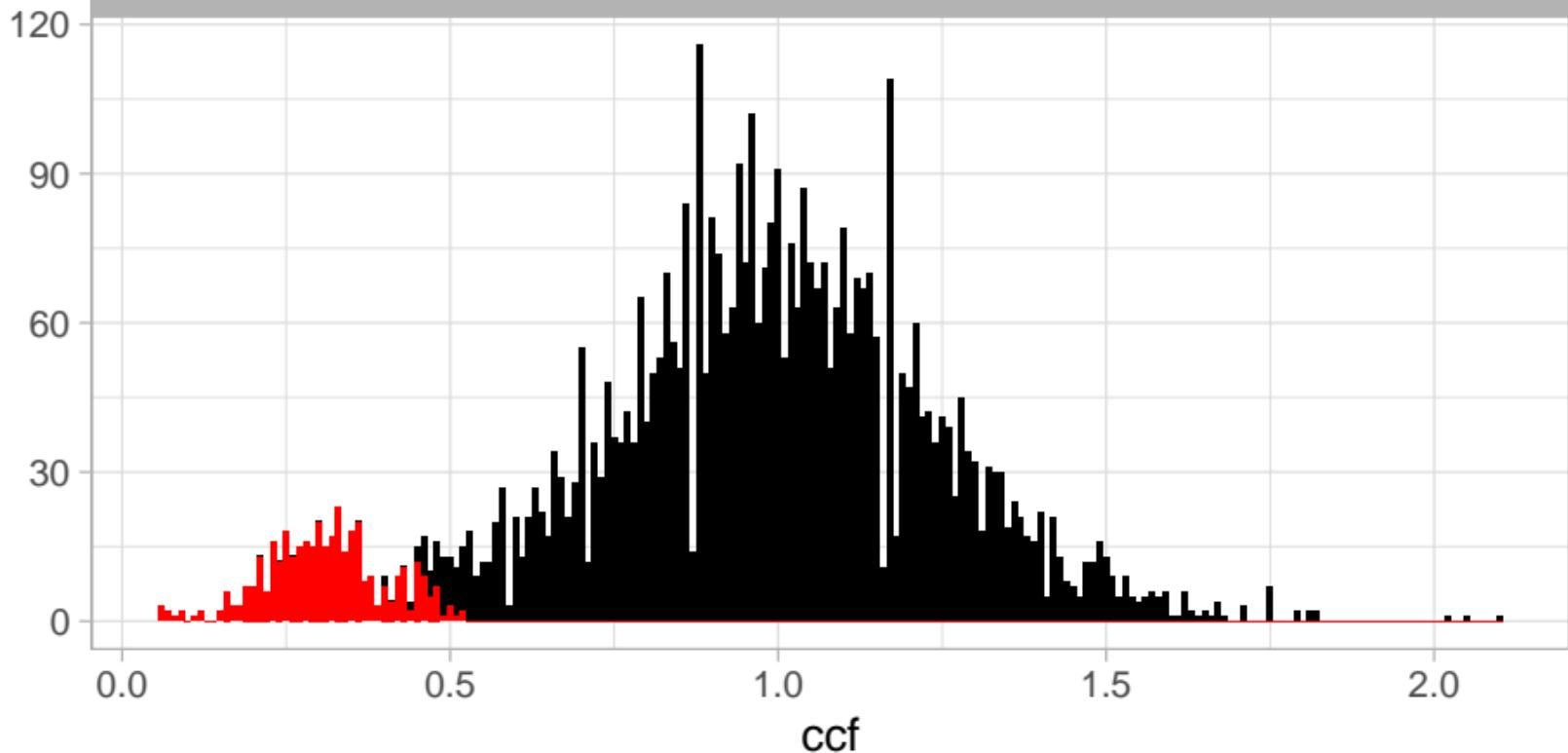
count



cluster ■ tail ■ clonal ■ subclonal

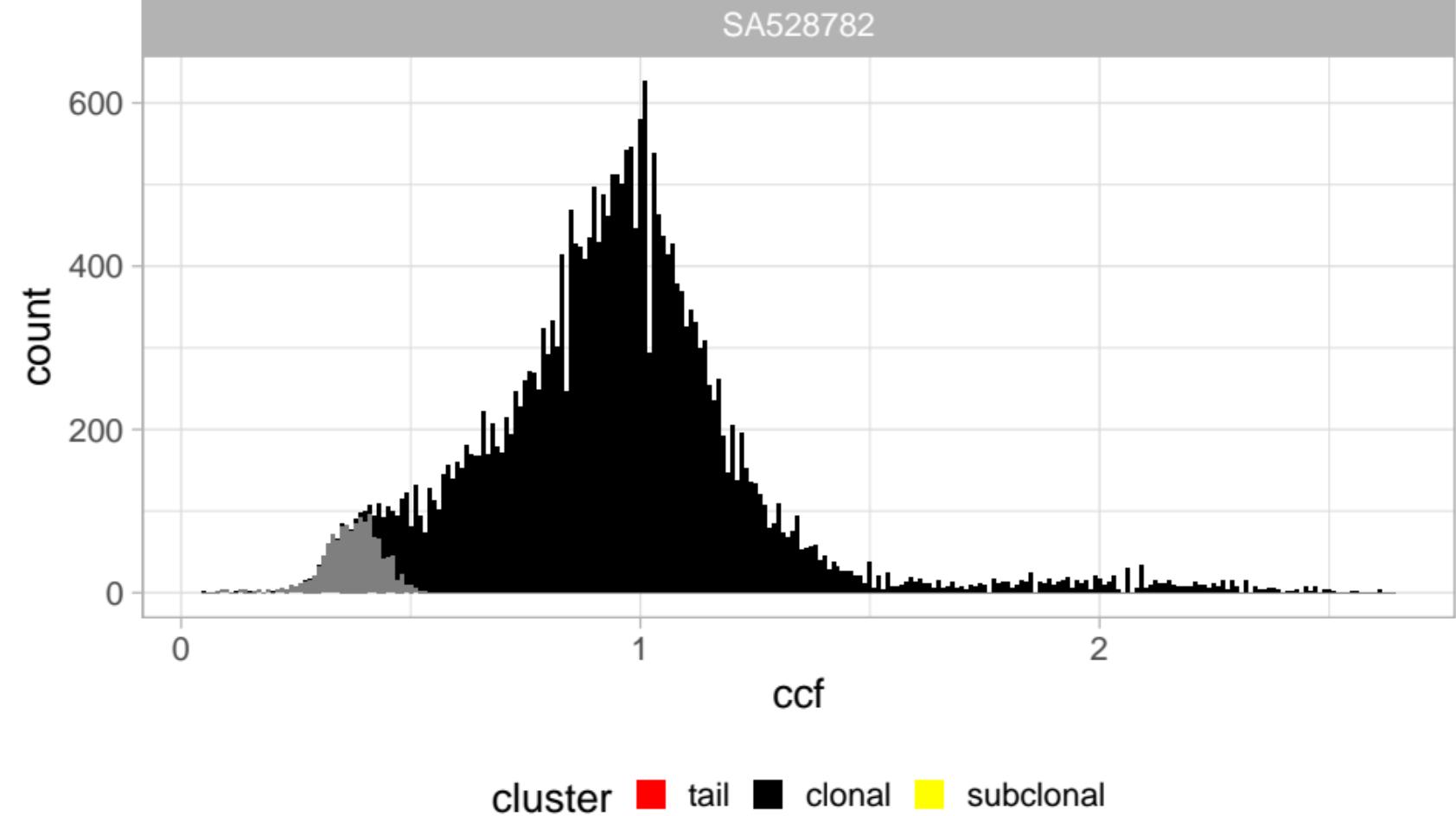
SA507268

count

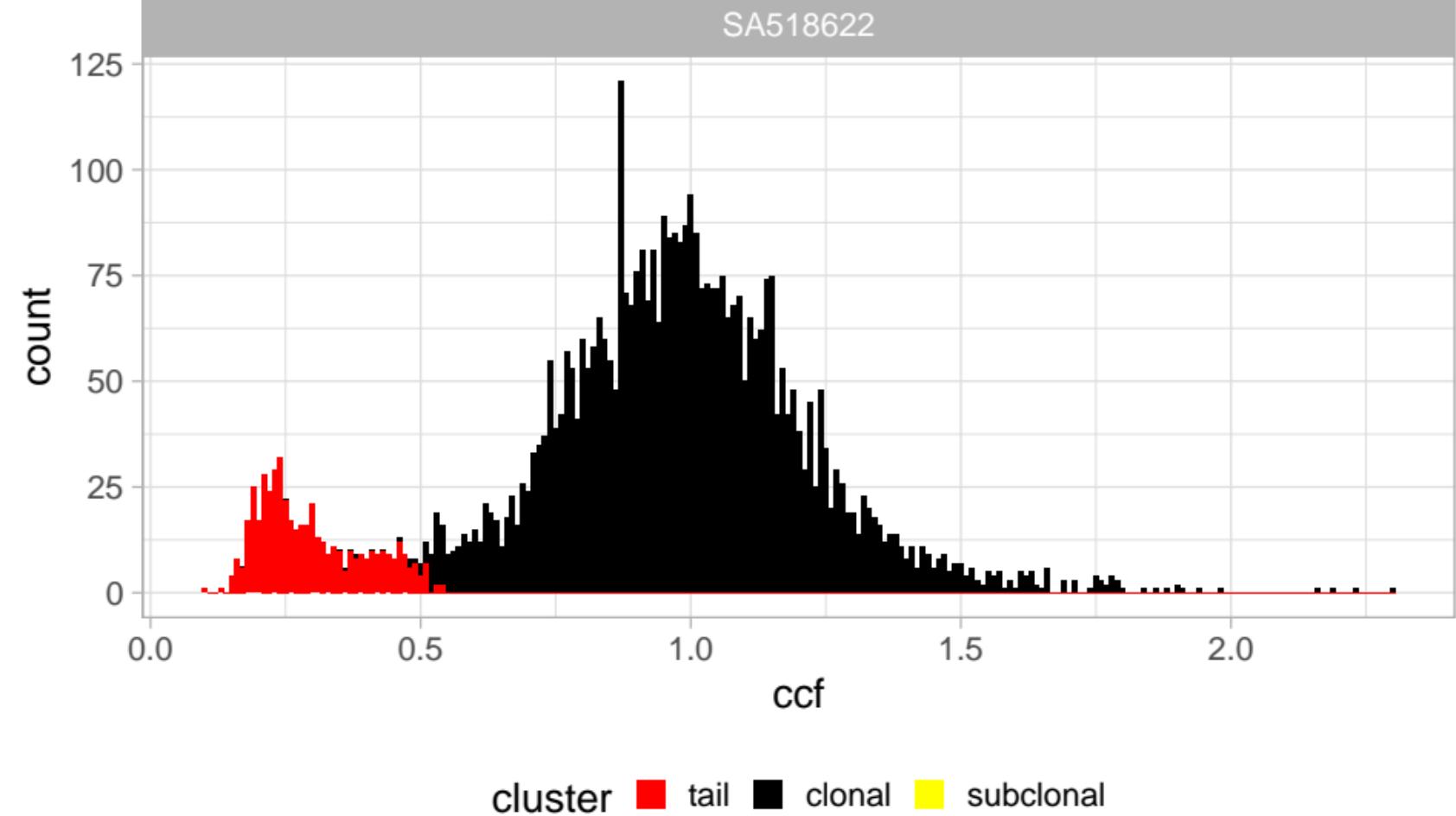


cluster ■ tail ■ clonal ■ subclonal

SA528782



SA518622



SA542560

count

200
150
100
50
0

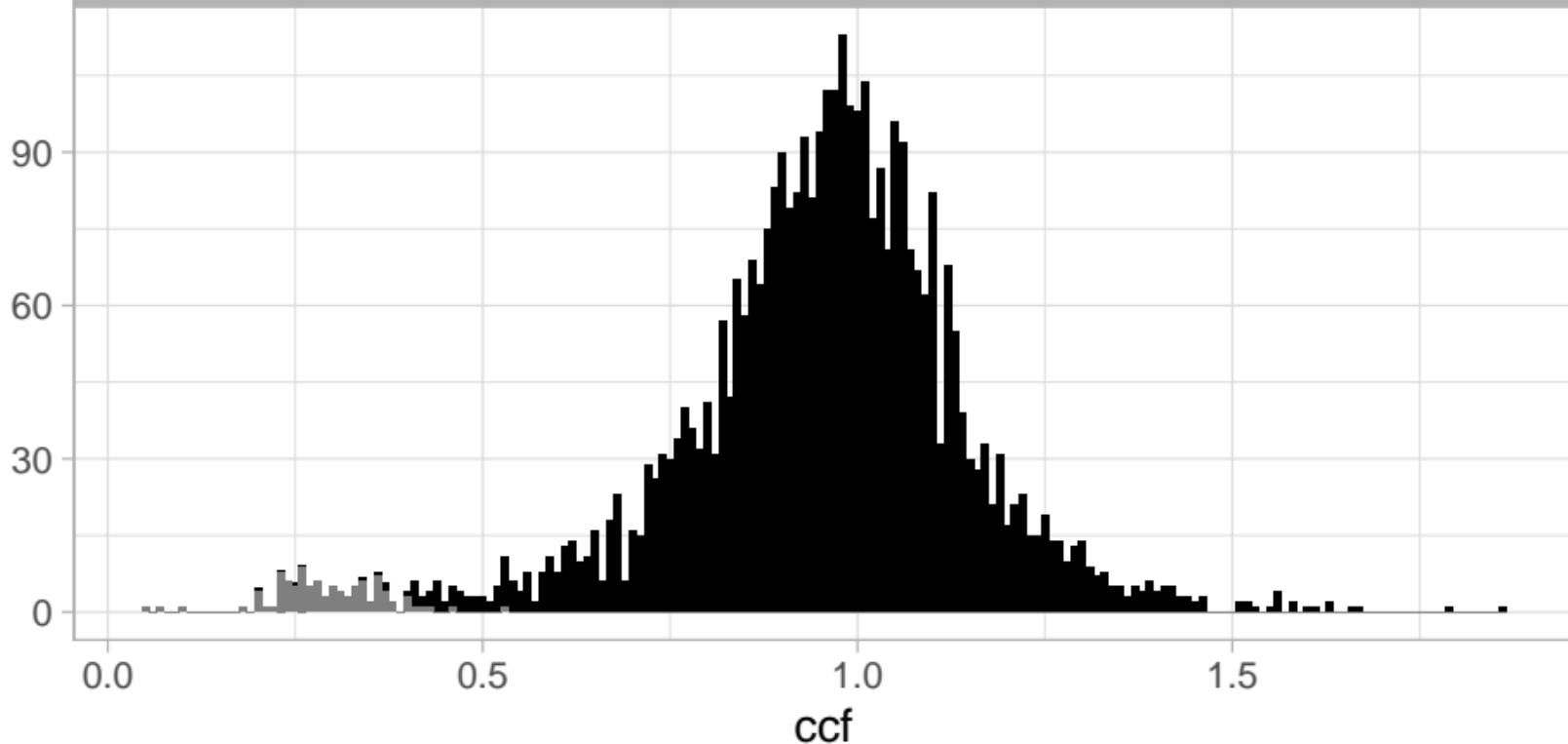
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA518599

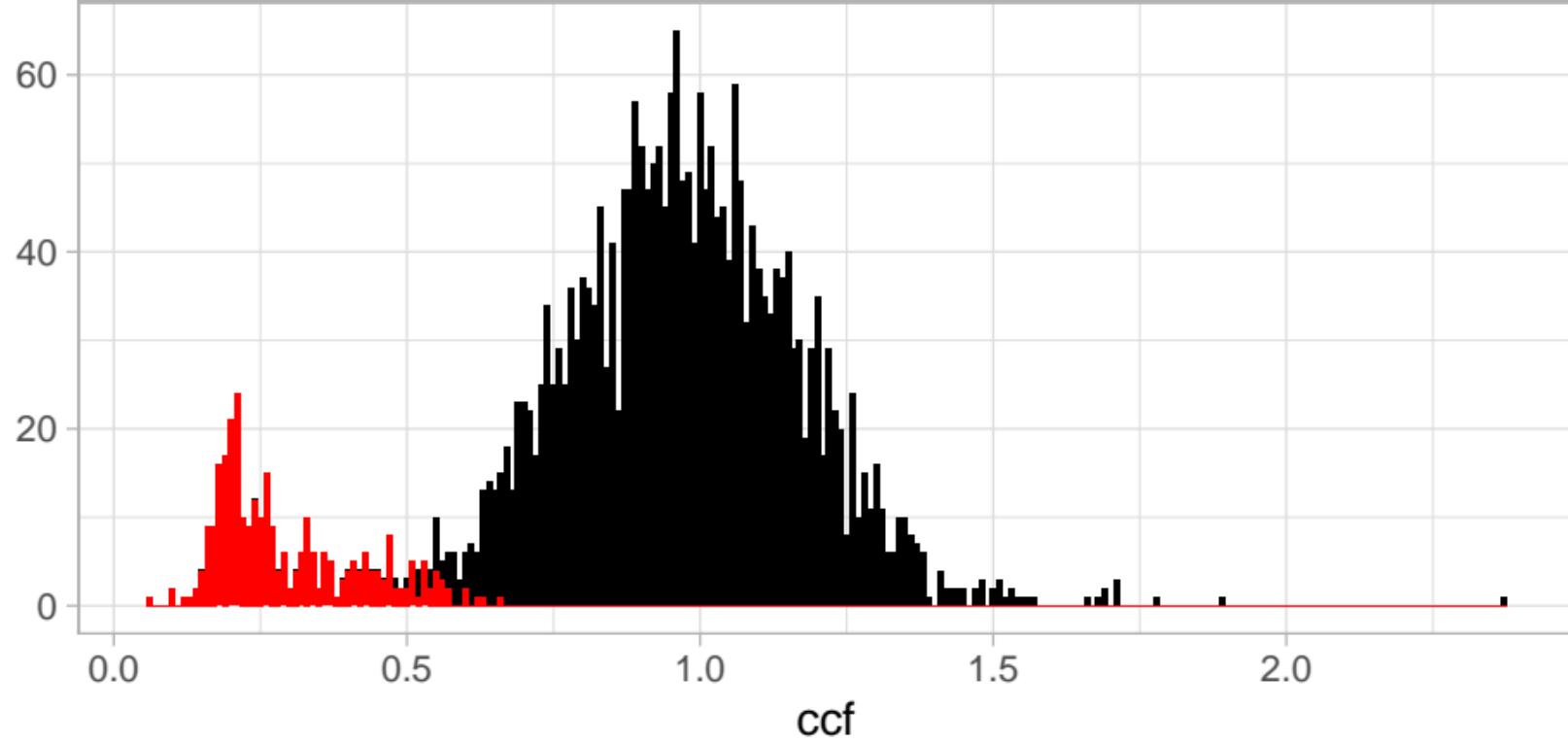
count



cluster ■ tail ■ clonal ■ subclonal

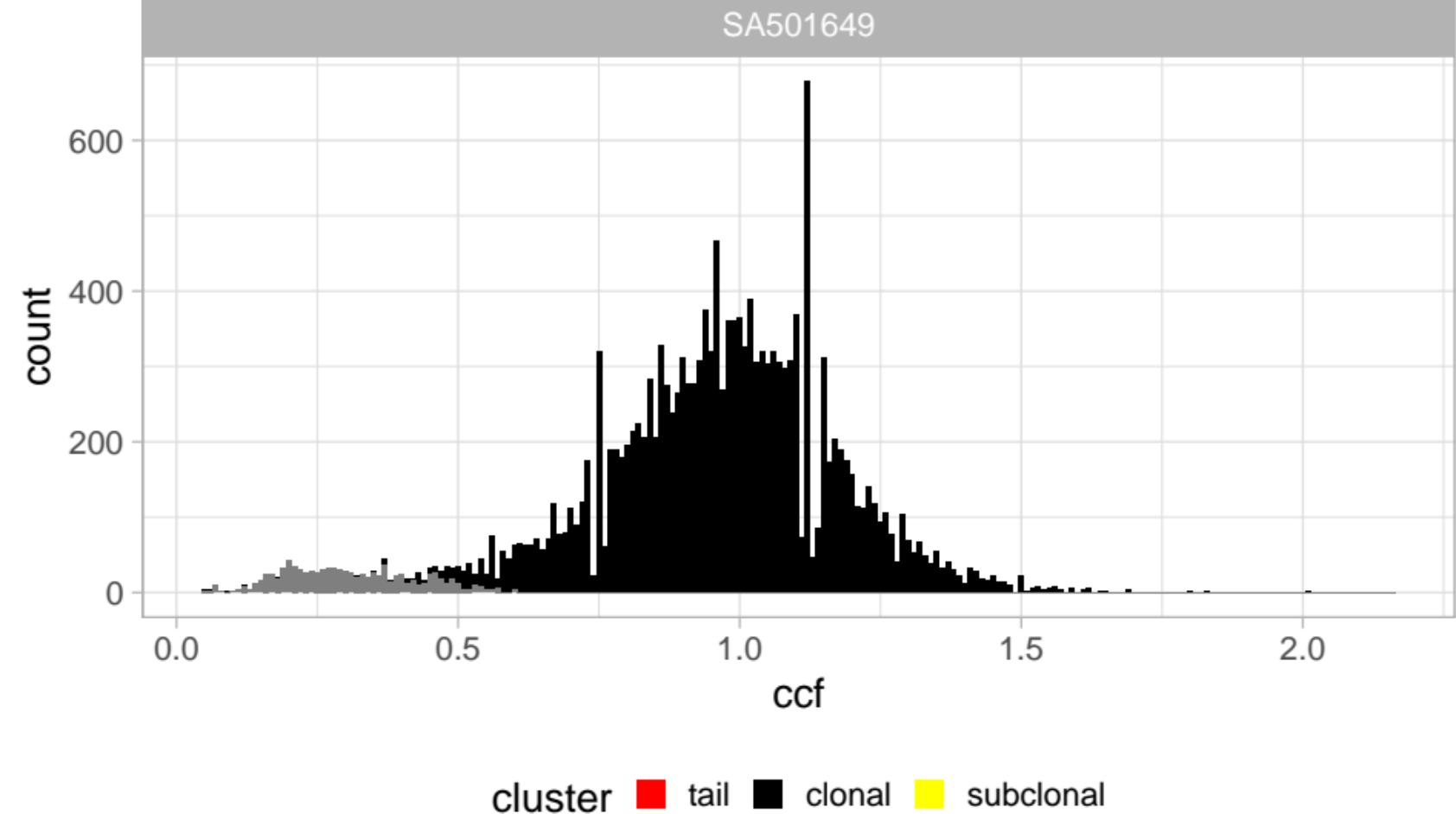
SA506706

count



cluster ■ tail ■ clonal ■ subclonal

SA501649



SA411995

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530546

count

40
20
0

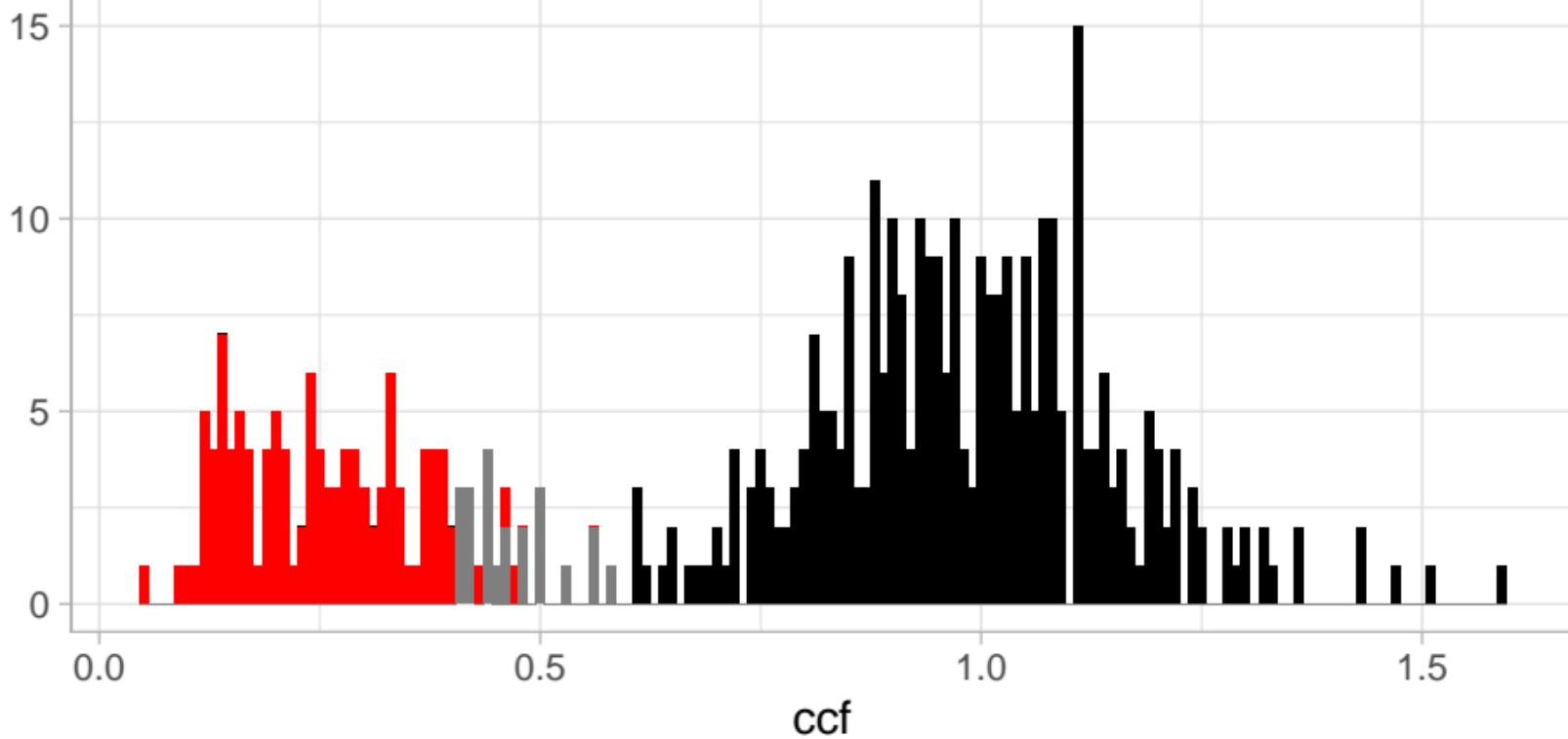
0 1 2 3

ccf

cluster tail clonal subclonal

SA413342

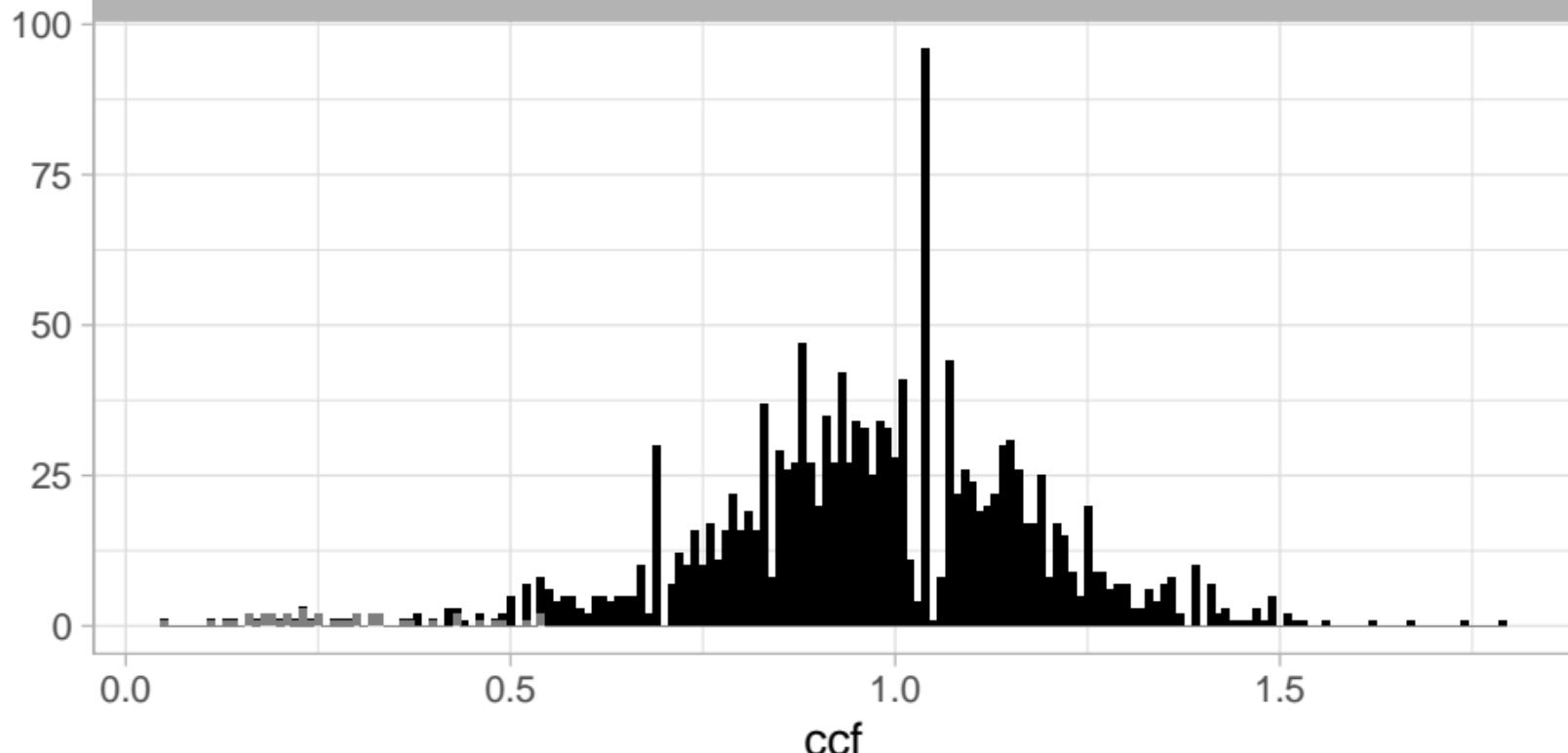
count



cluster ■ tail ■ clonal ■ subclonal

SA520422

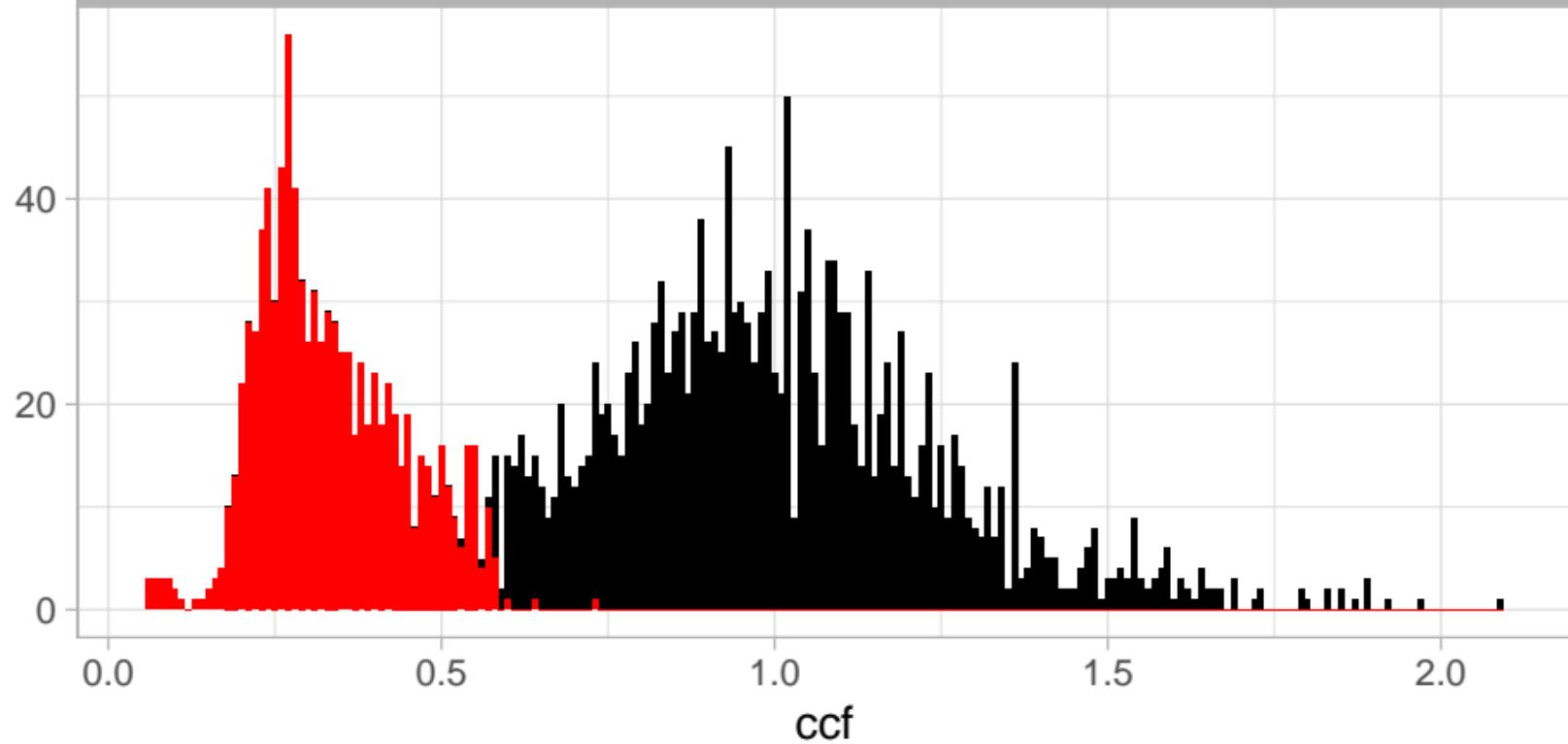
count



cluster tail clonal subclonal

SA530547

count



cluster ■ tail ■ clonal ■ subclonal

SA557479

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533682

count

100

50

0

0

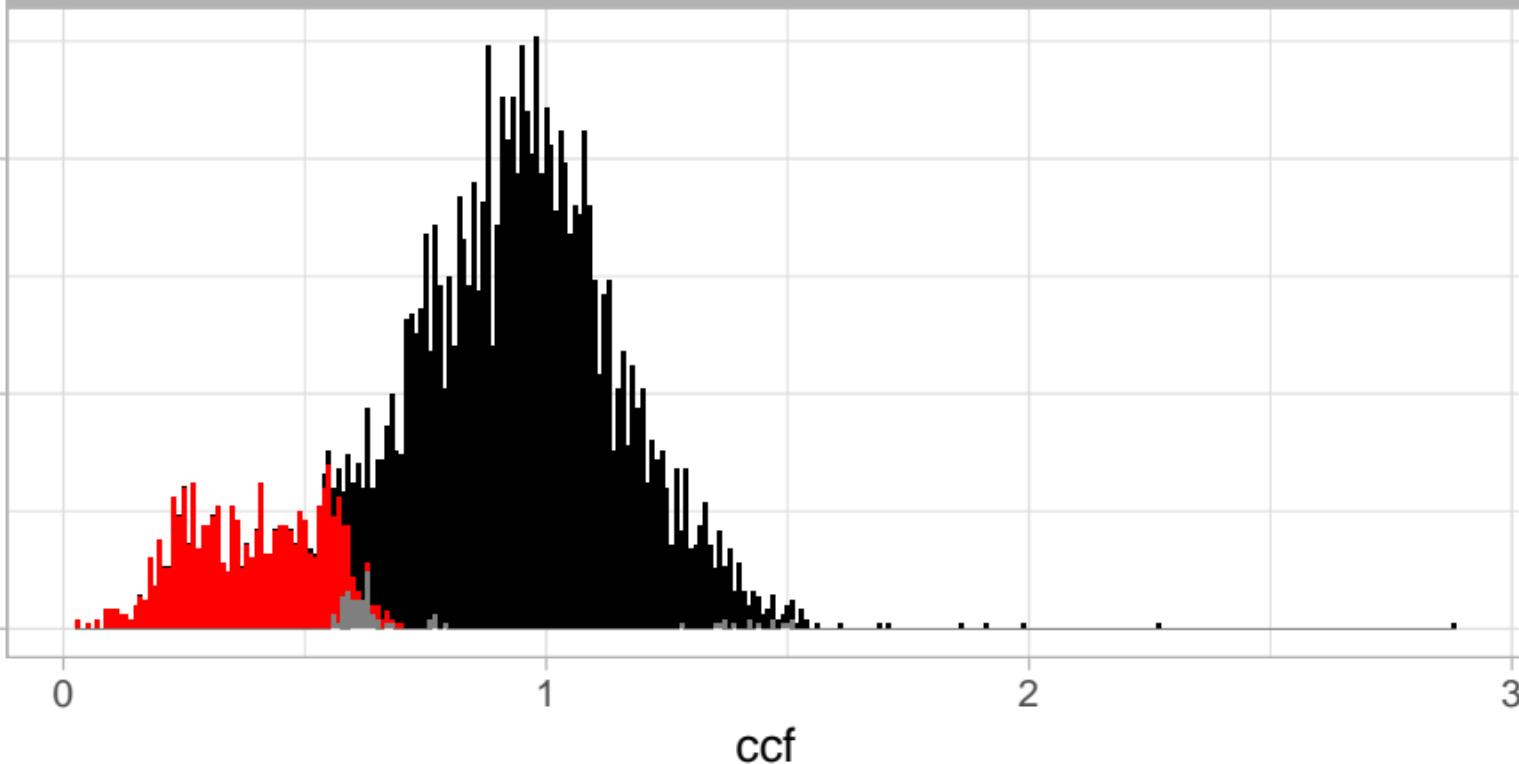
1

2

3

ccf

cluster ■ tail ■ clonal ■ subclonal



SA538977

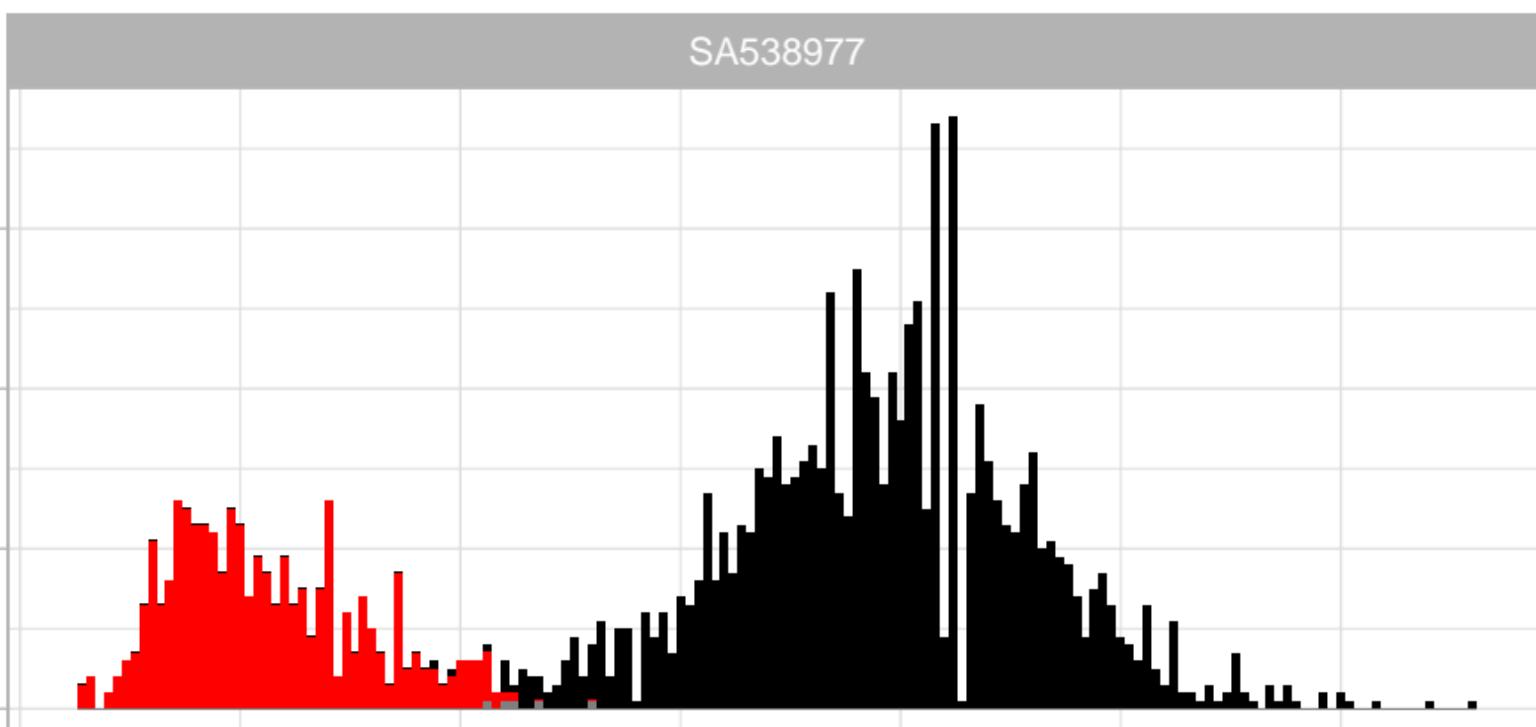
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA413864

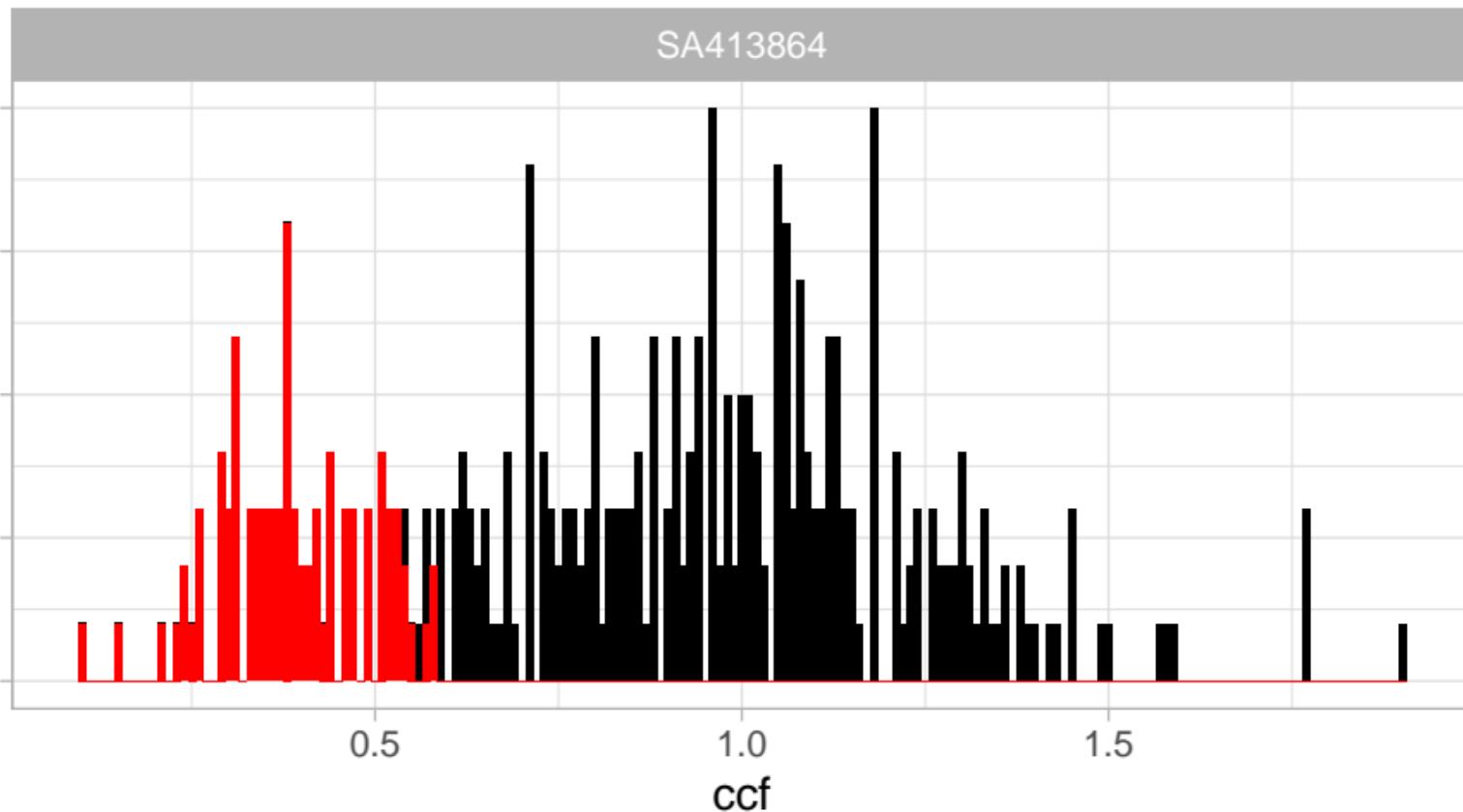
count

10.0
7.5
5.0
2.5
0.0

0.5 1.0 1.5

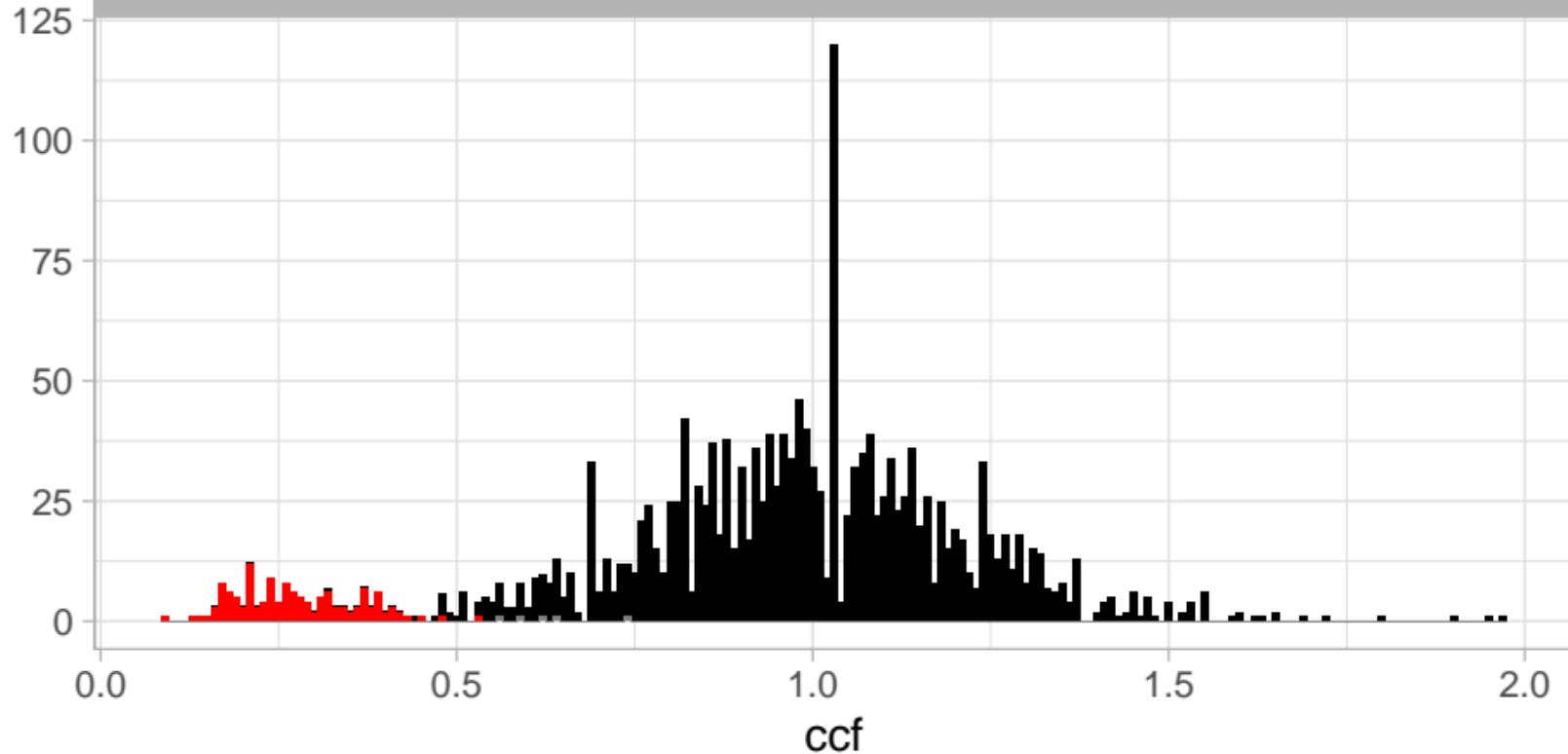
ccf

cluster ■ tail ■ clonal ■ subclonal



SA542394

count



cluster ■ tail ■ clonal ■ subclonal

SA557546

count

3000
2000
1000
0

0

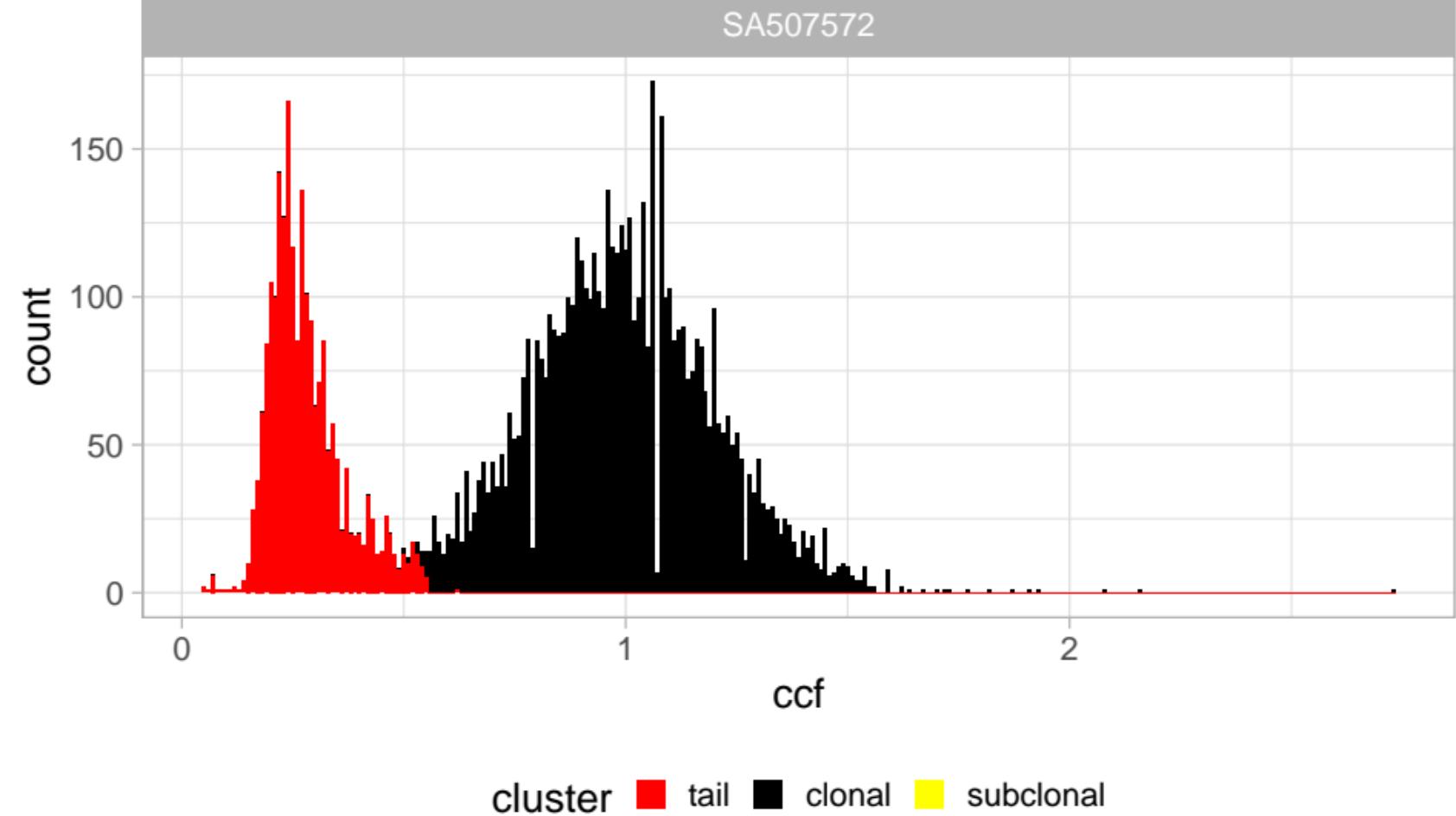
1

2

ccf

cluster ■ tail ■ clonal ■ subclonal

SA507572



SA528991

count

2000
1500
1000
500
0

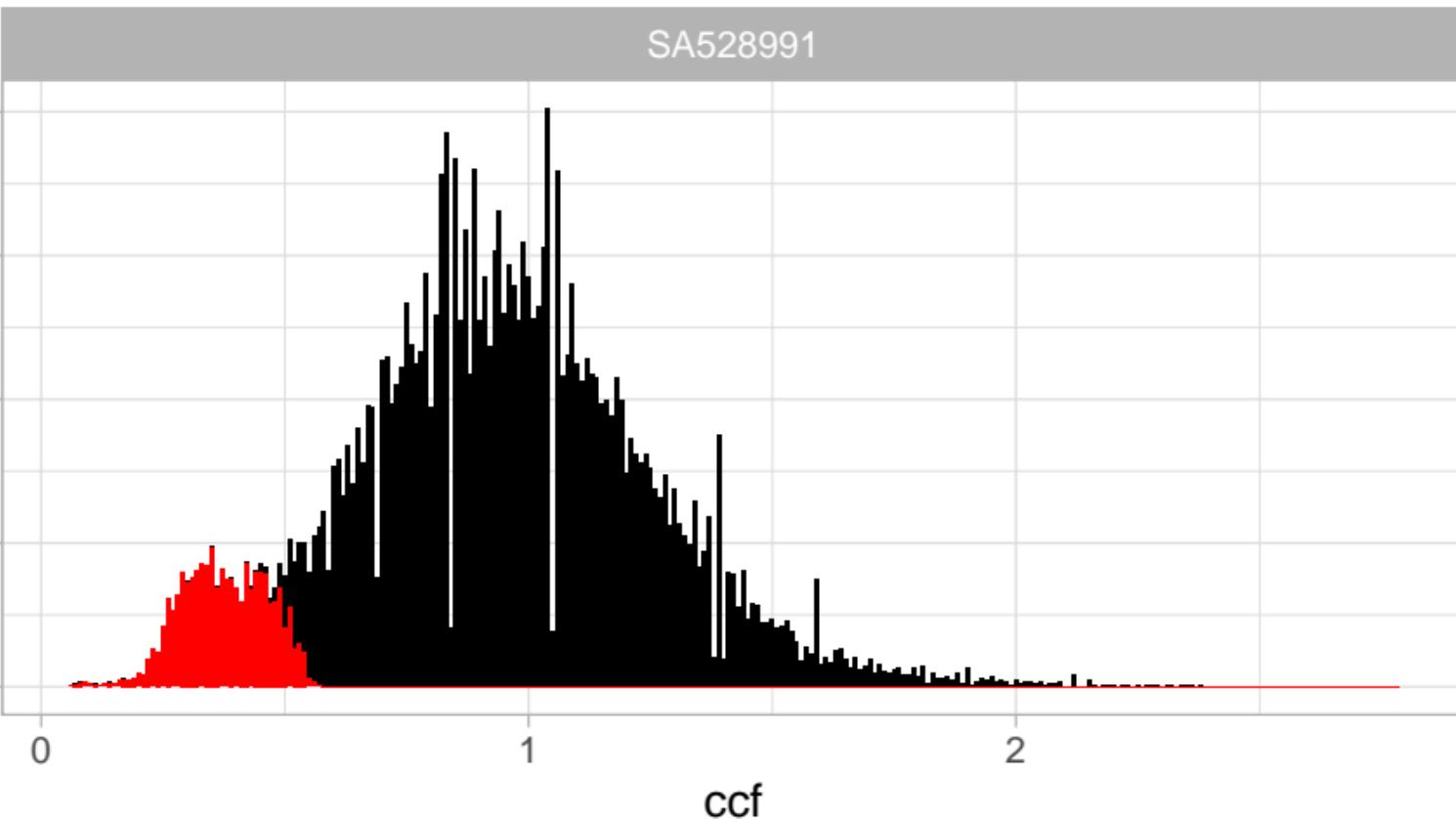
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA86182

count

150

100

50

0

0.0

0.5

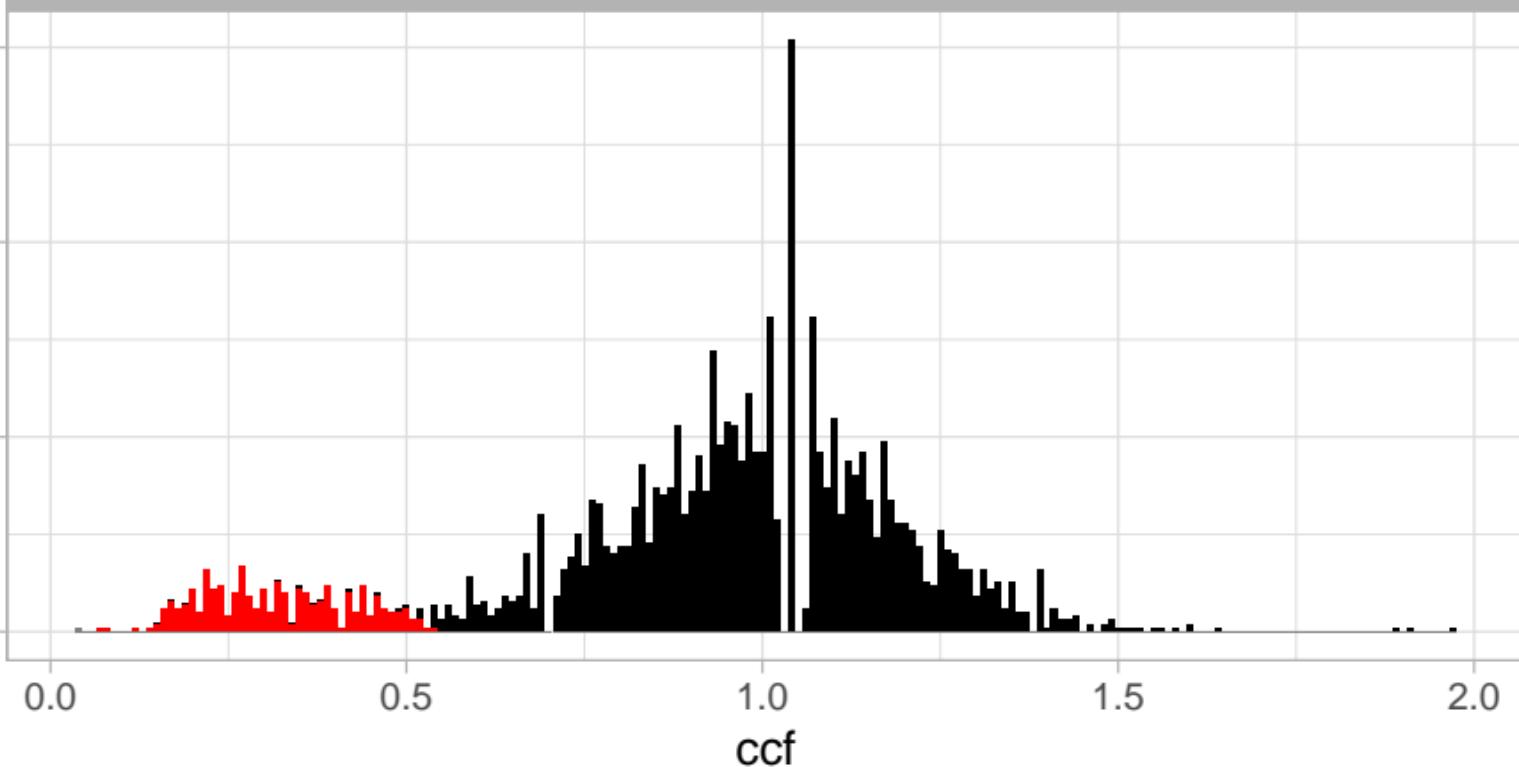
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA538975

count

90

60

30

0

0.0

0.5

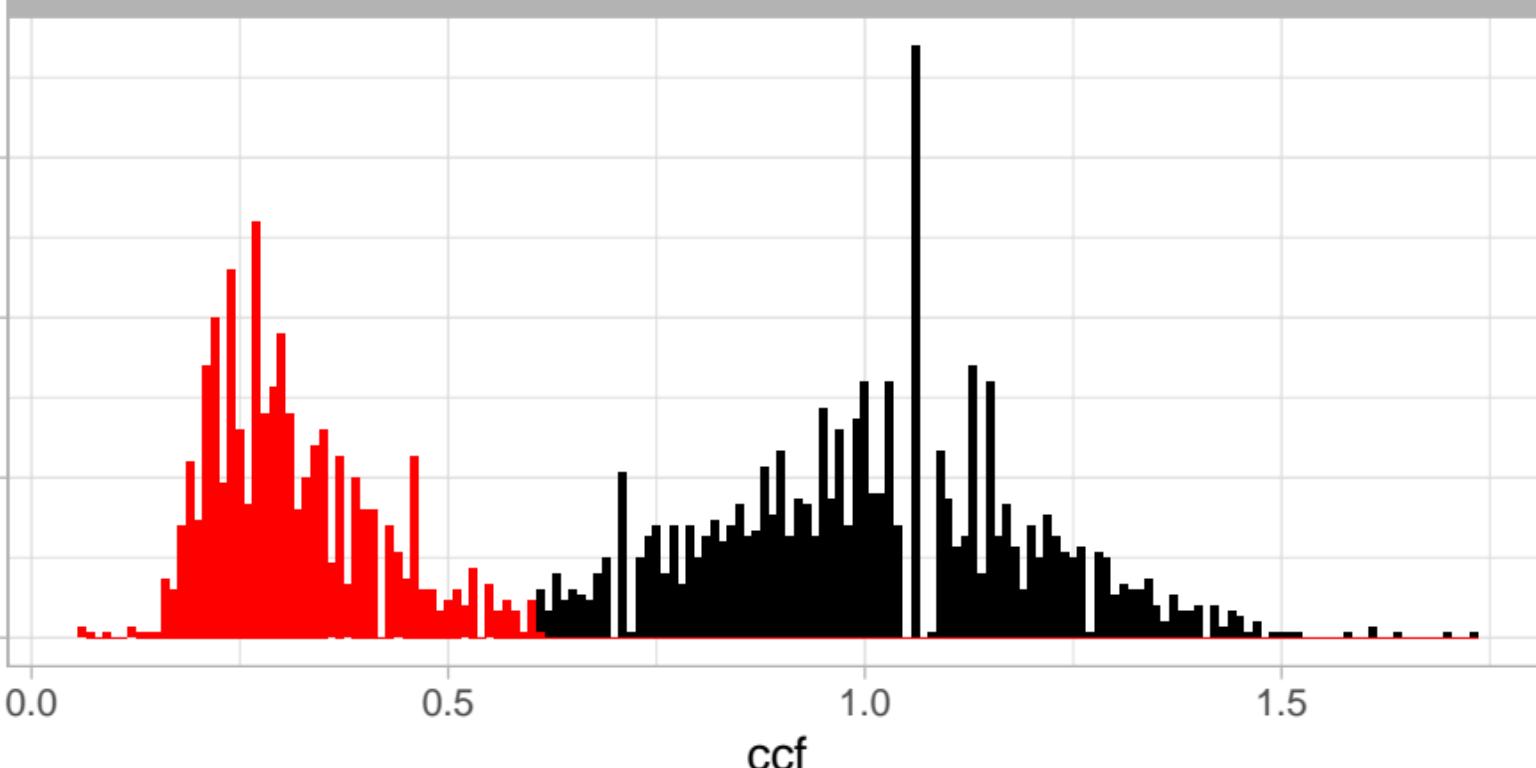
1.0

1.5

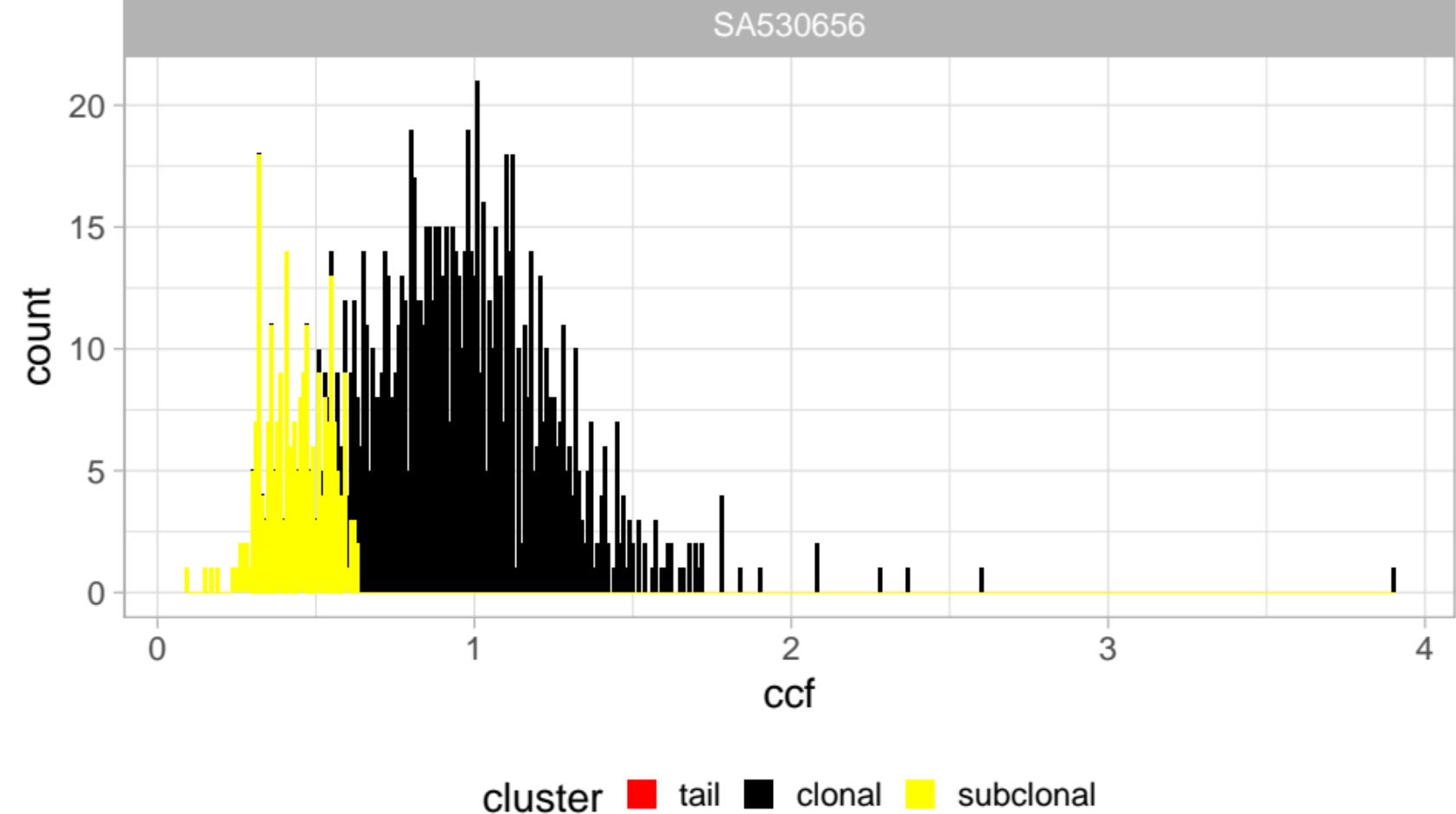
ccf

cluster

tail clonal subclonal



SA530656



SA413855

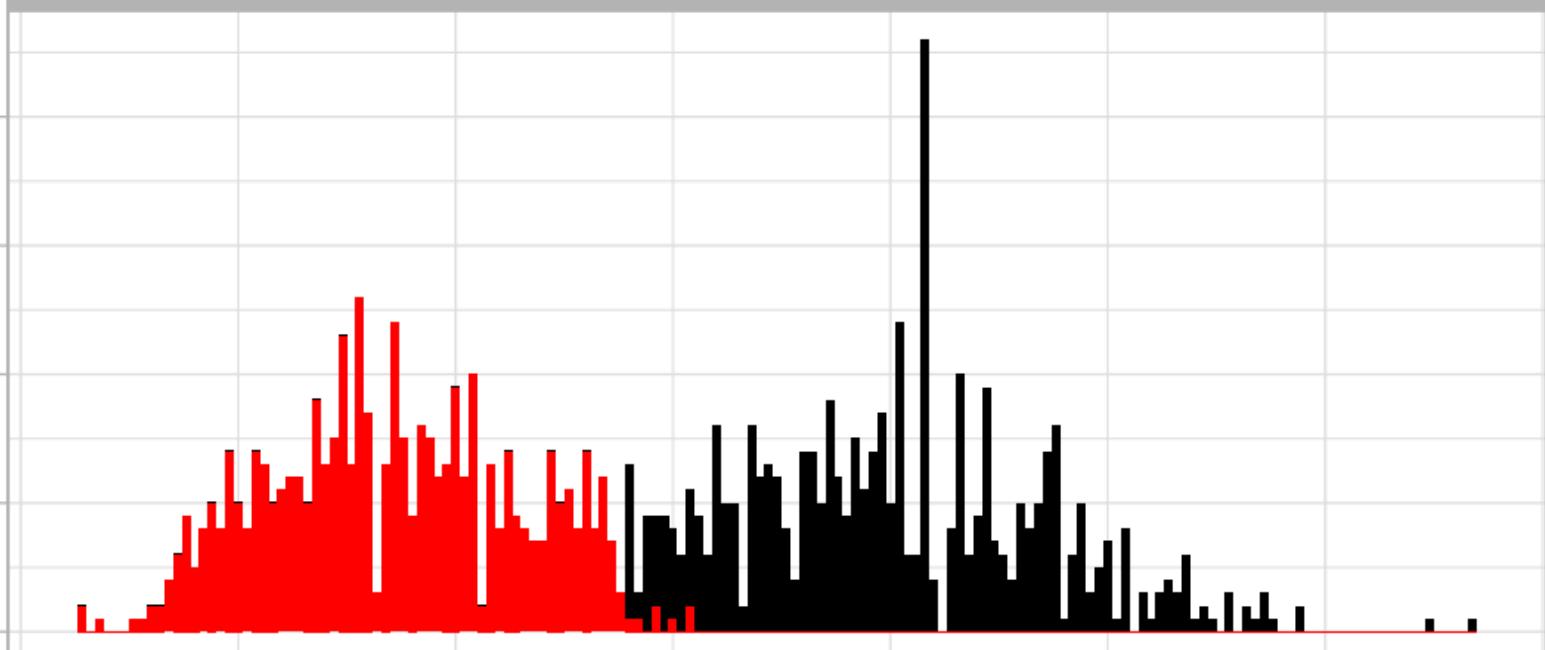
count

40
30
20
10
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA320824

count

150

100

50

0

0.0

0.5

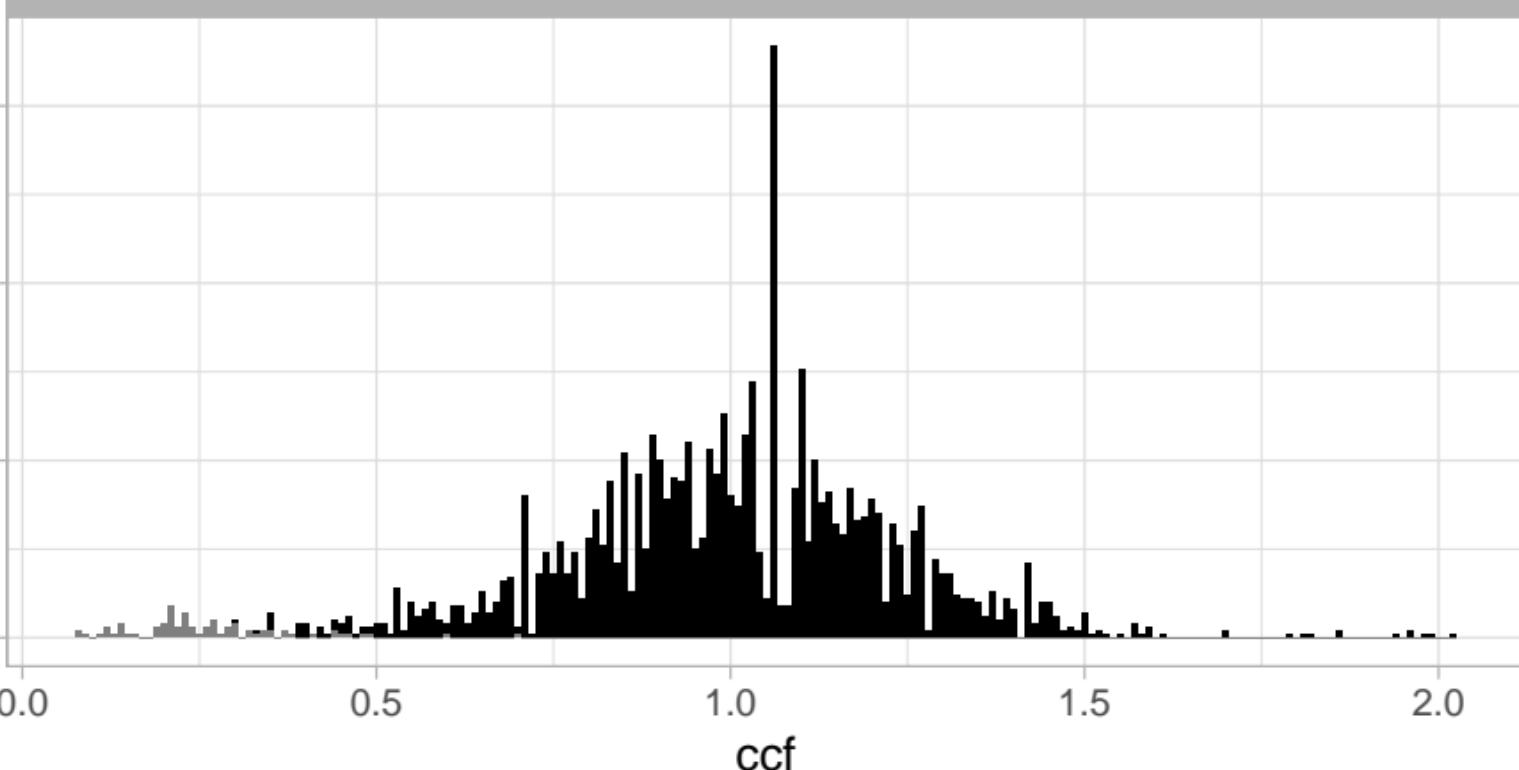
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA506663

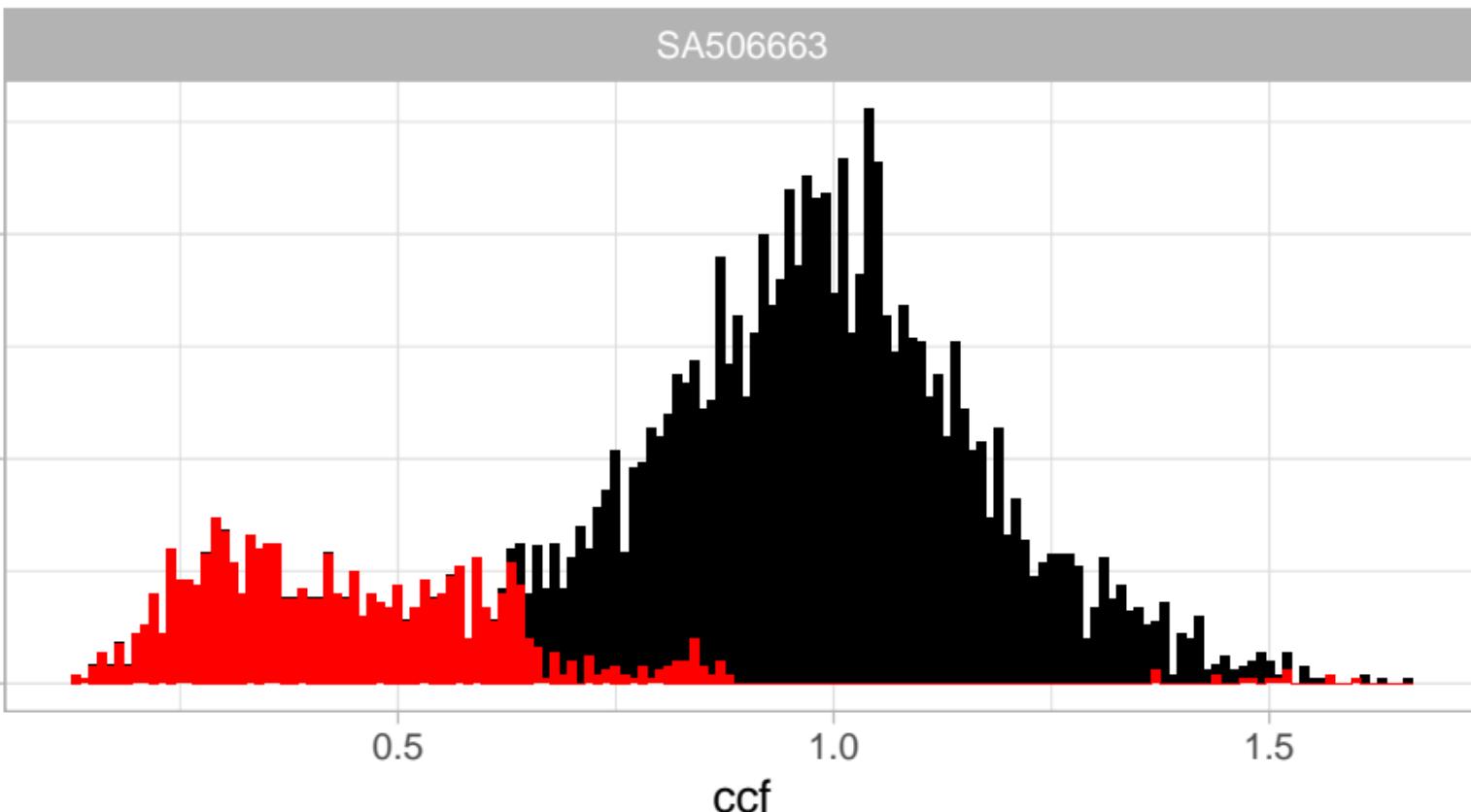
count

100
50
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA413826

count

9
6
3
0

0.5

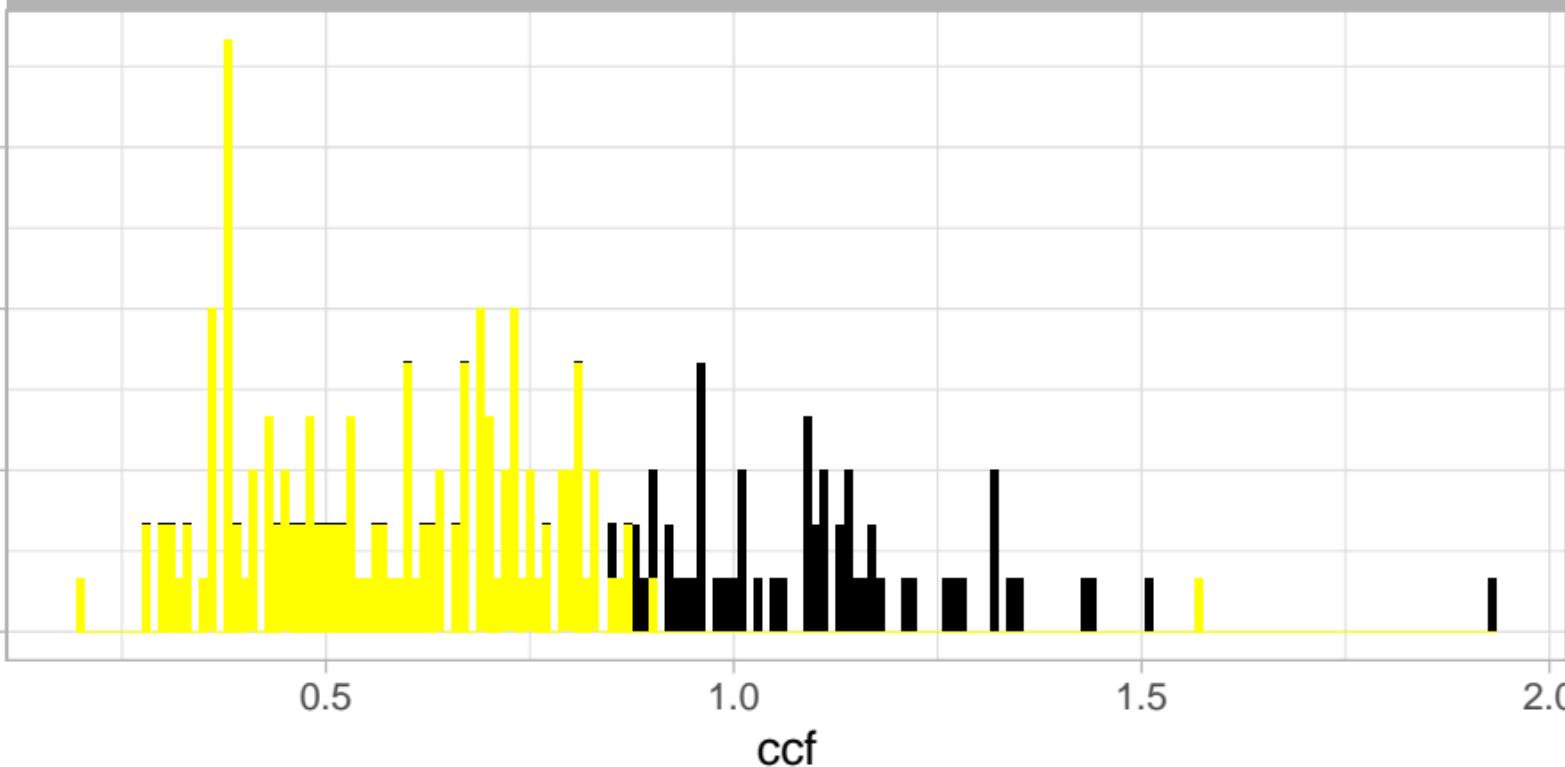
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA410190

count

400
300
200
100
0

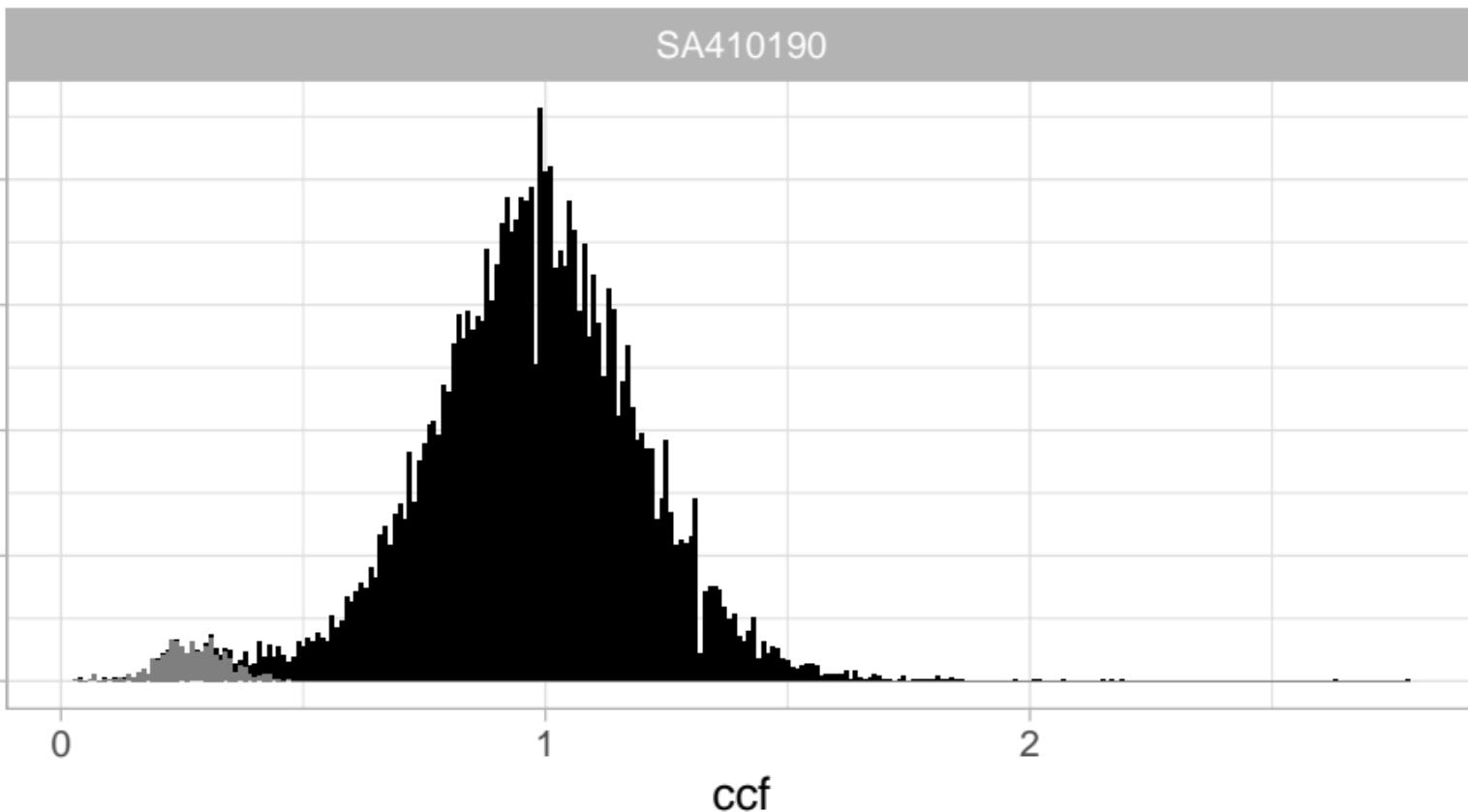
0

1

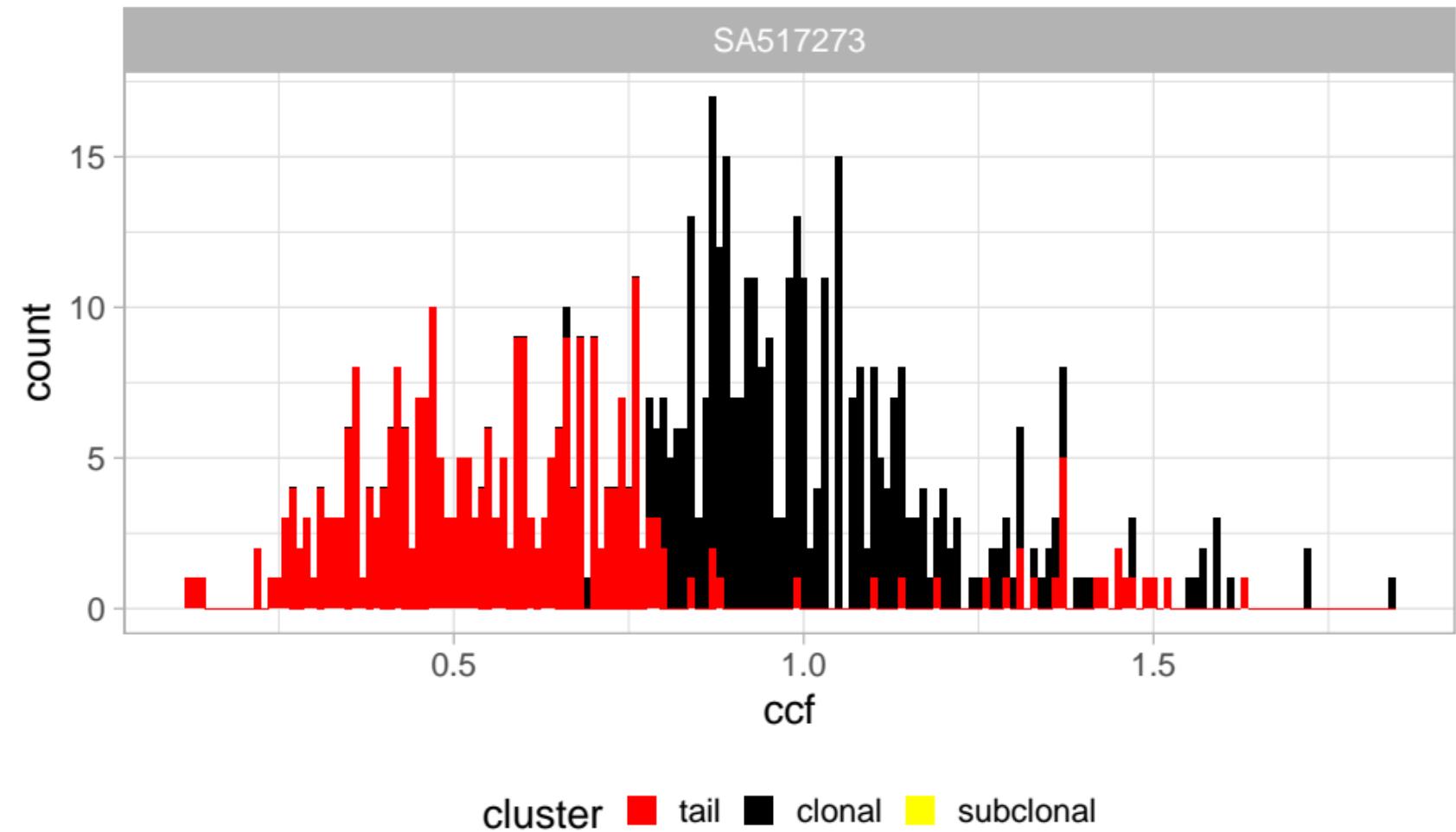
2

ccf

cluster tail clonal subclonal

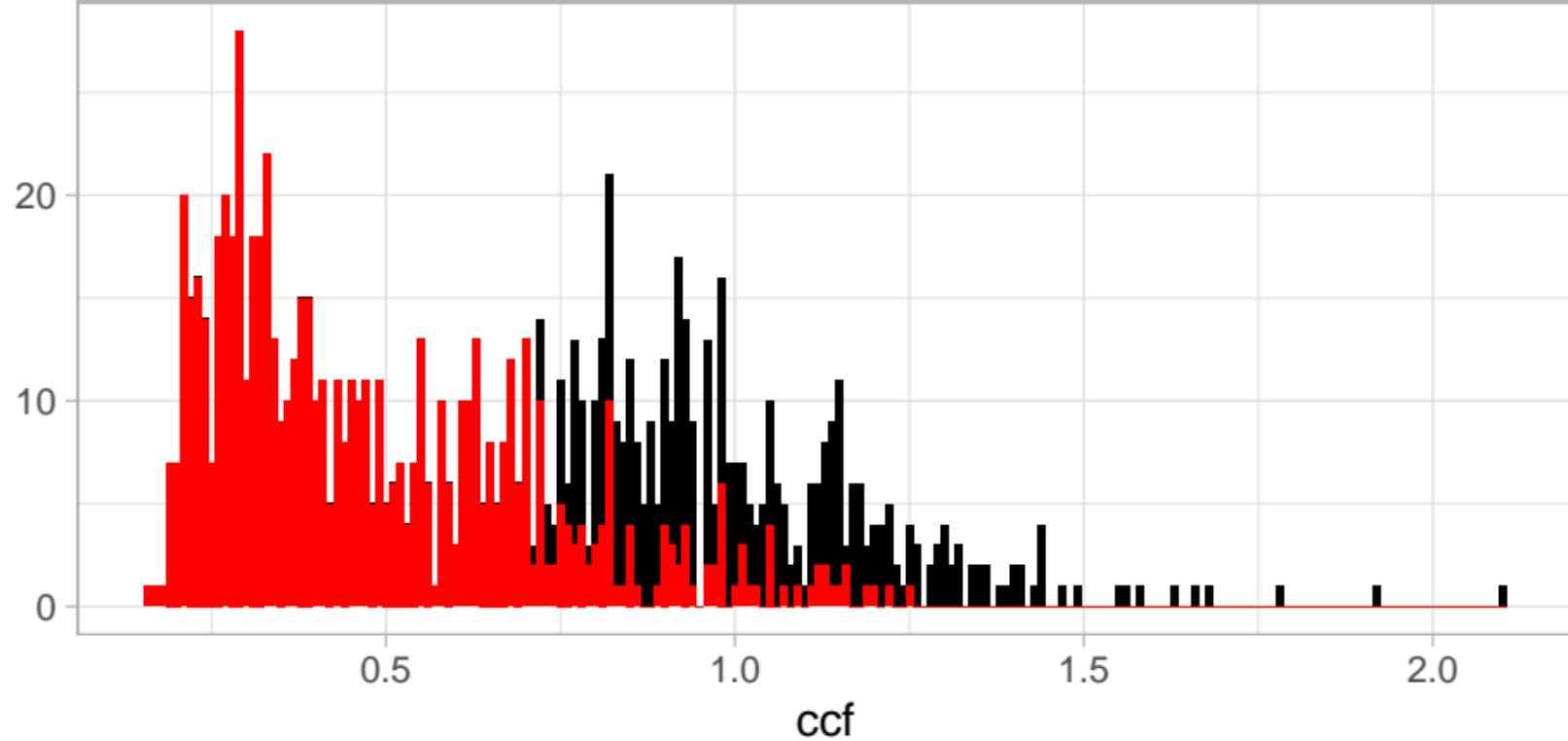


SA517273



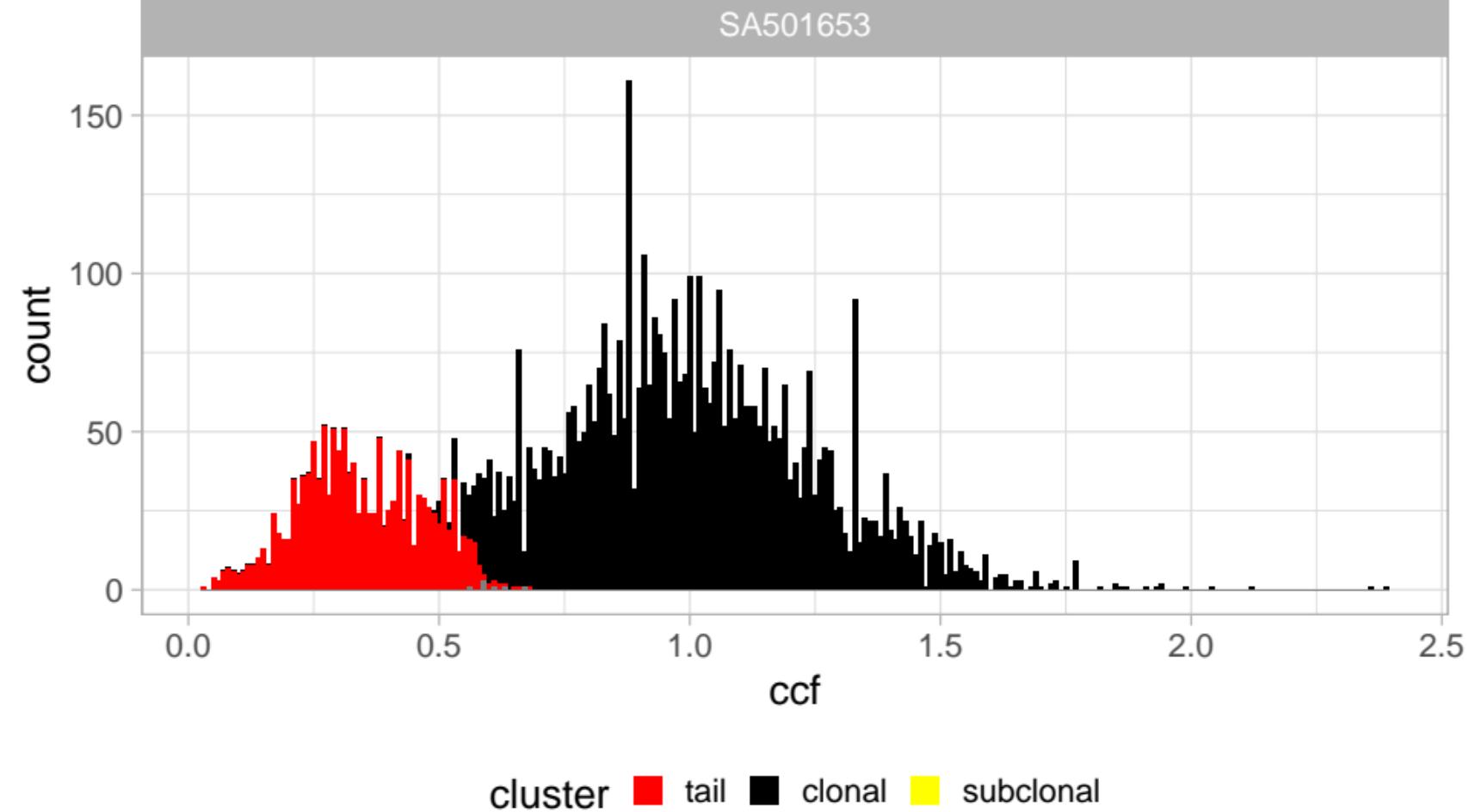
SA517282

count



cluster ■ tail ■ clonal ■ subclonal

SA501653



SA530608

count

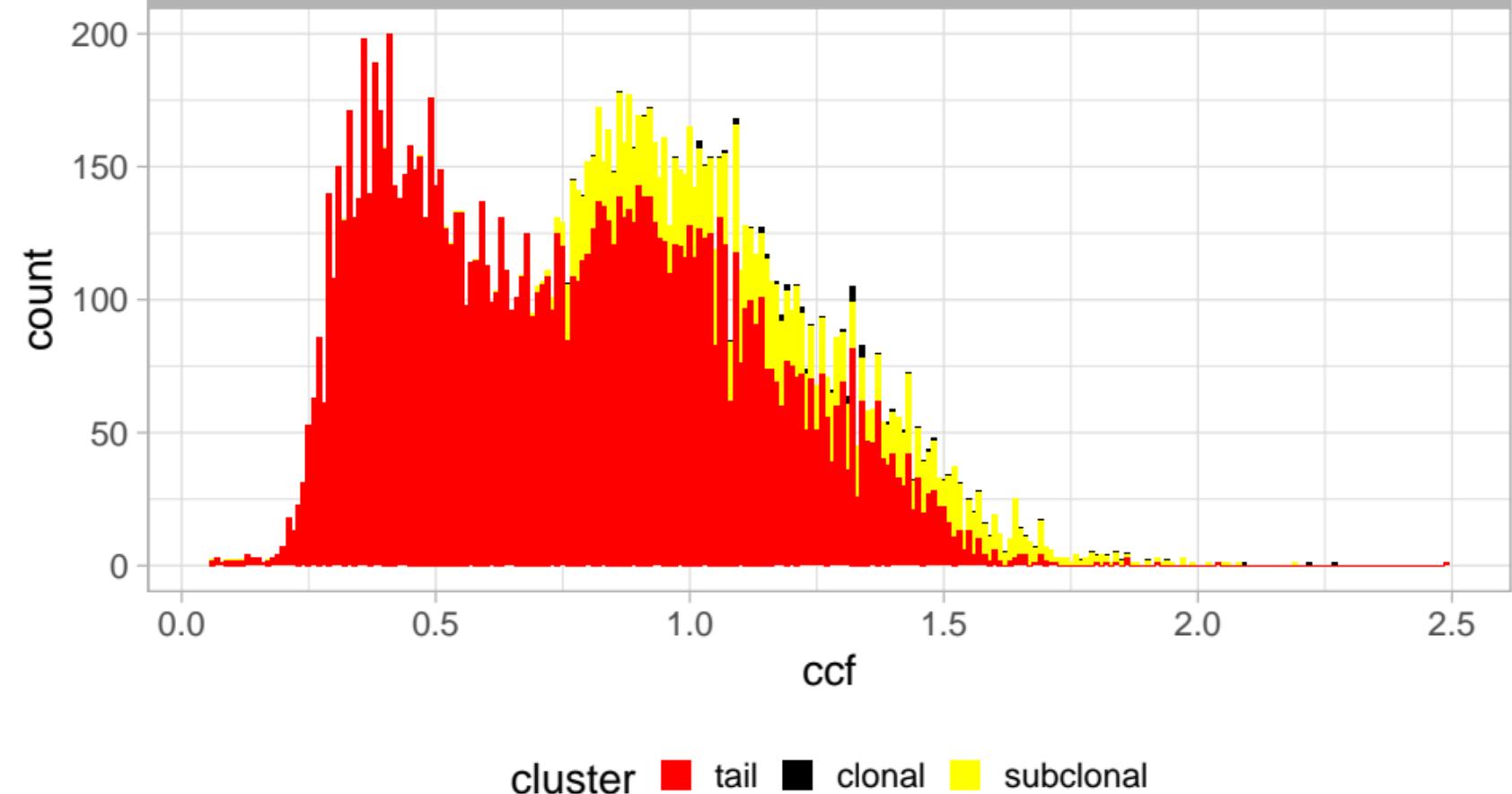
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA528819



SA557665

count

750
500
250
0

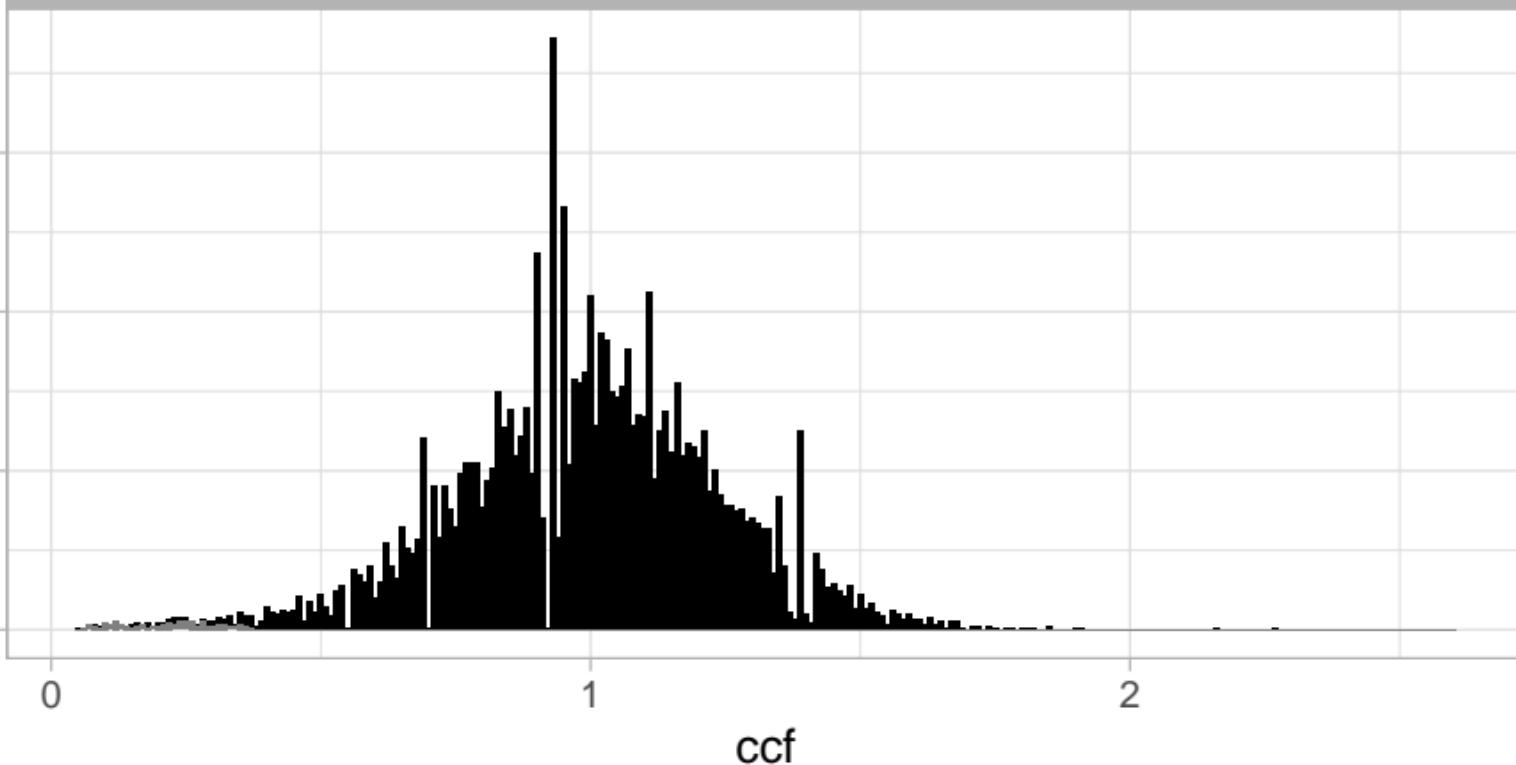
0

1

2

ccf

cluster tail clonal subclonal



SA533643

count

300

200

100

0

0.0

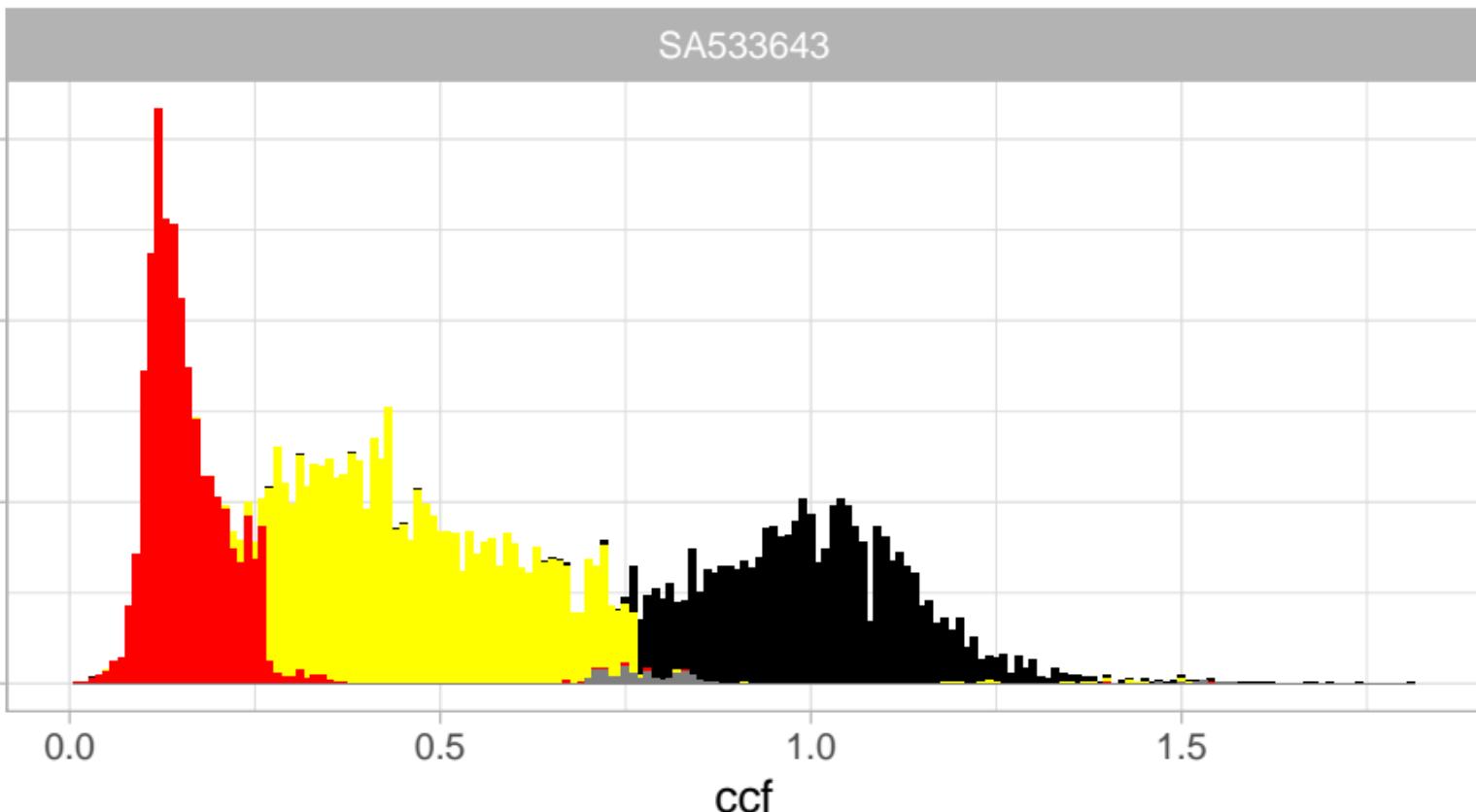
0.5

1.0

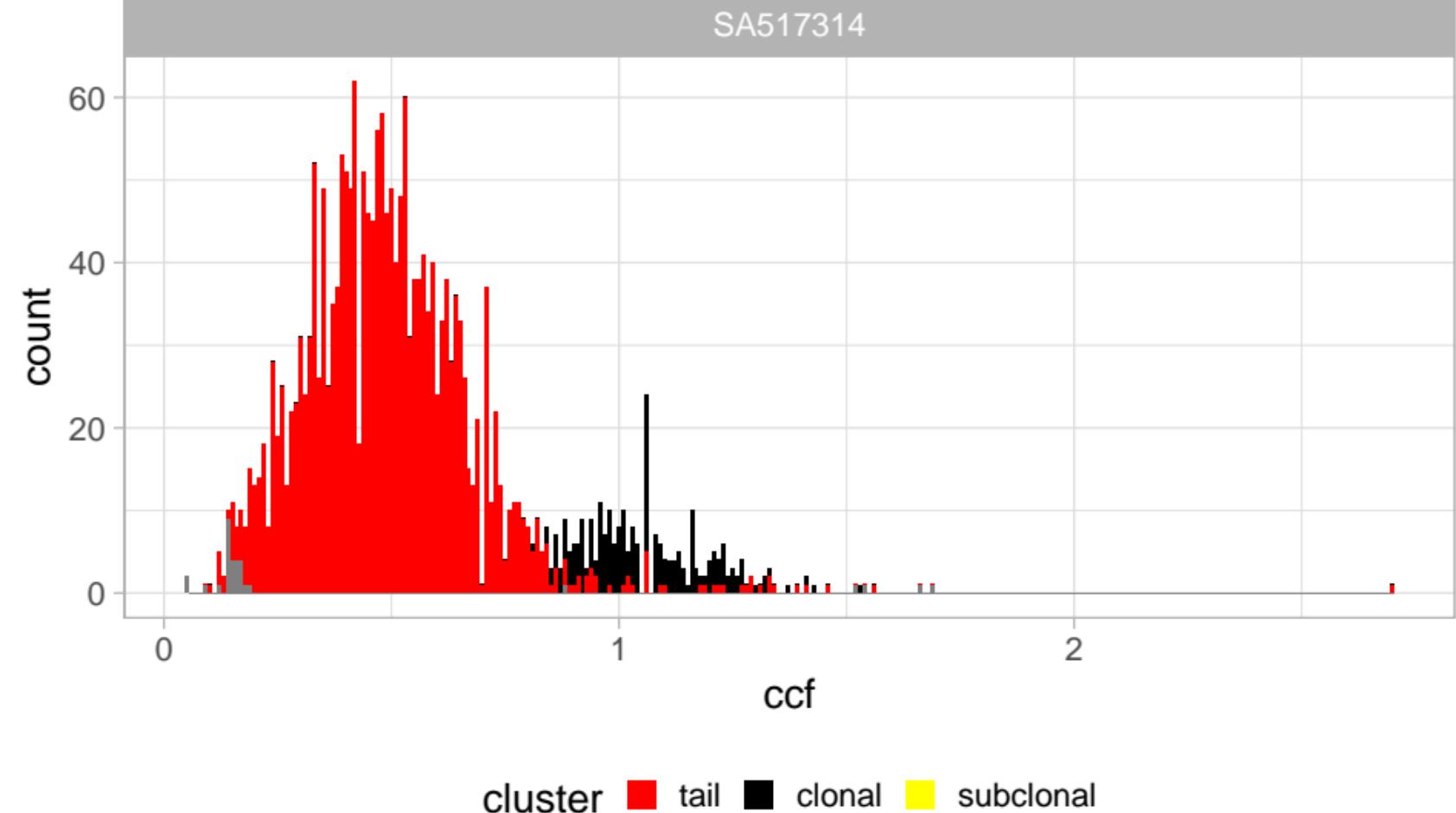
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA517314



SA542203

count

100

75

50

25

0

0.0

0.5

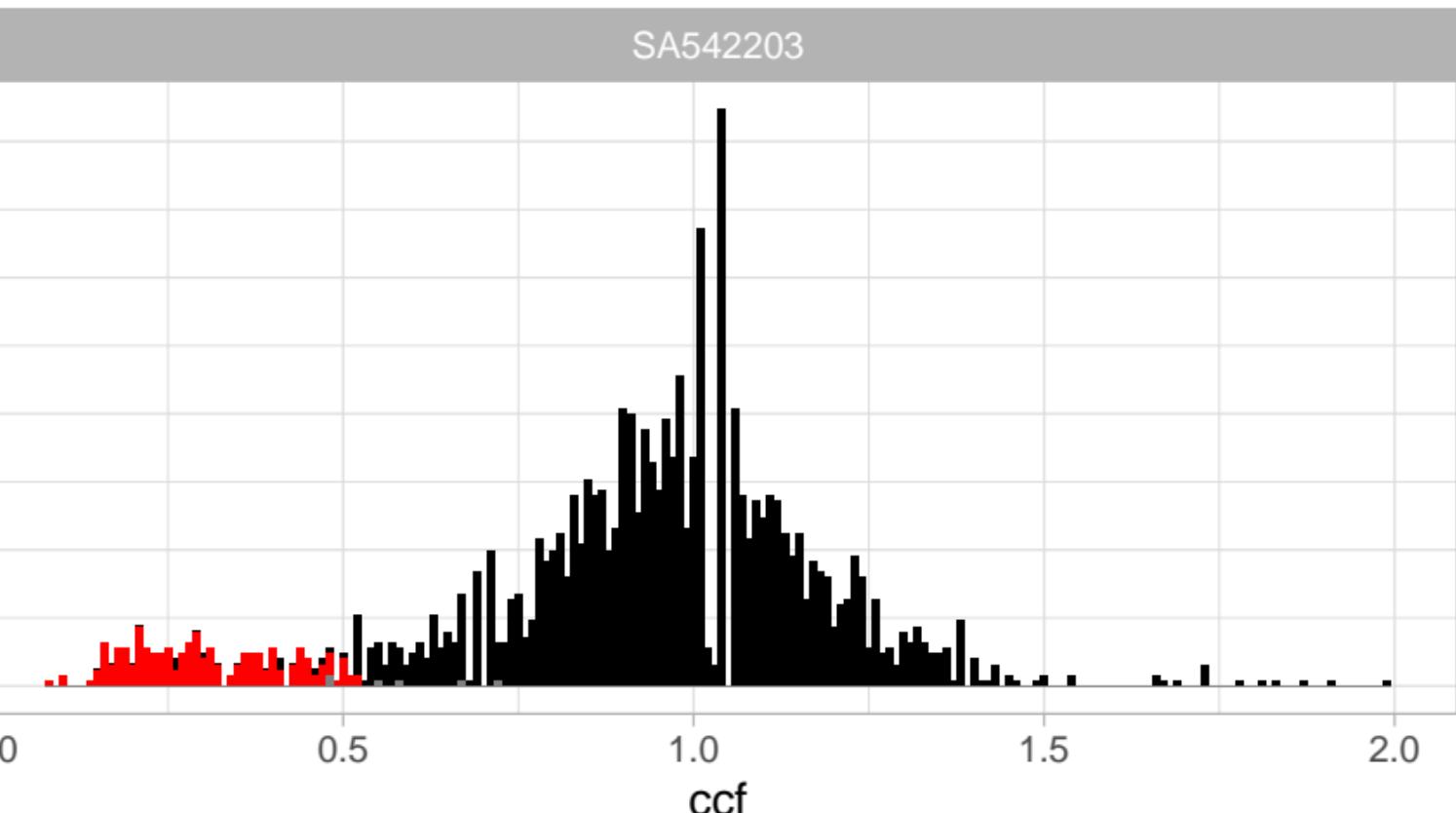
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413934

count

30
20
10
0

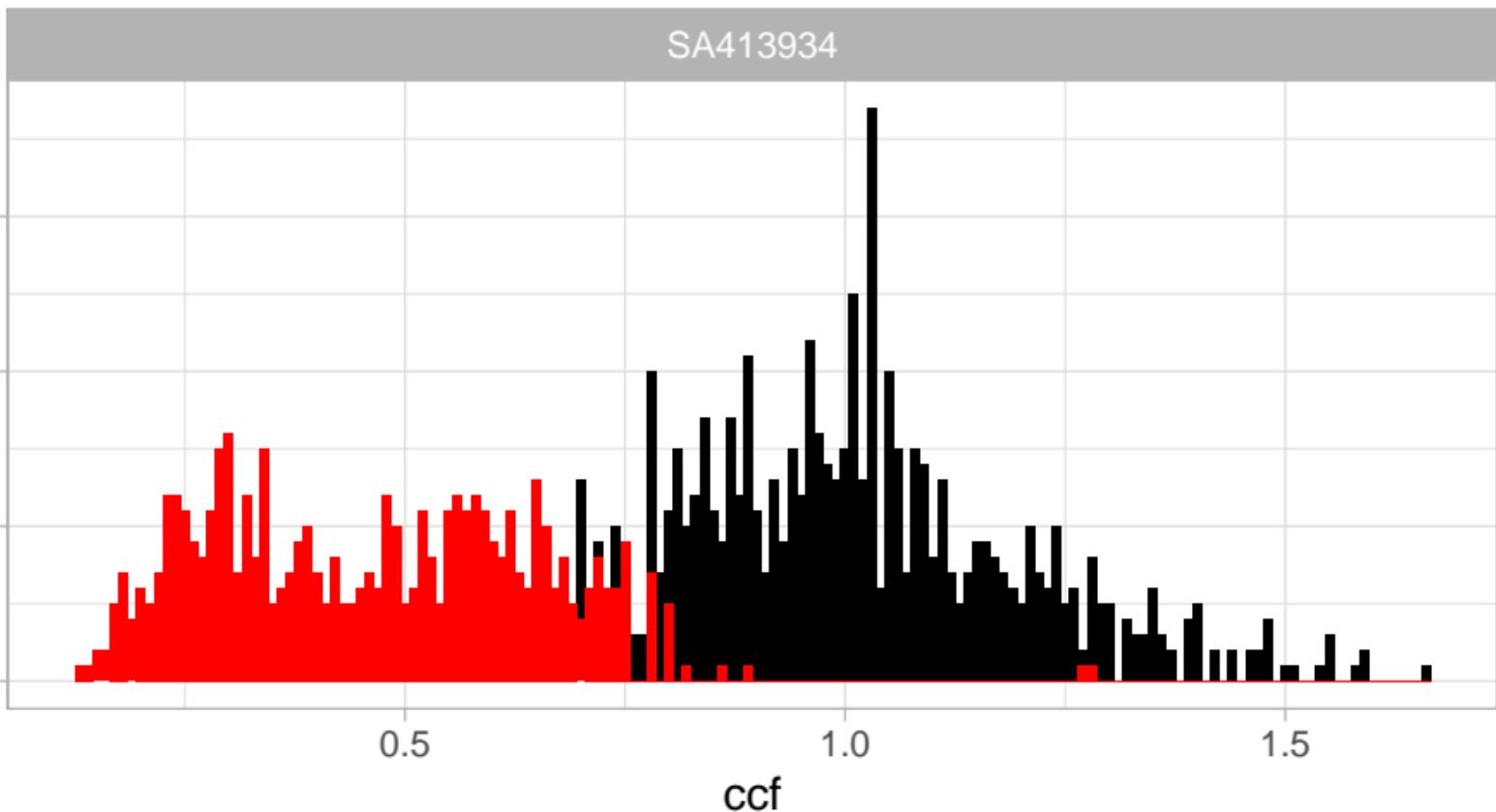
0.5

1.0

1.5

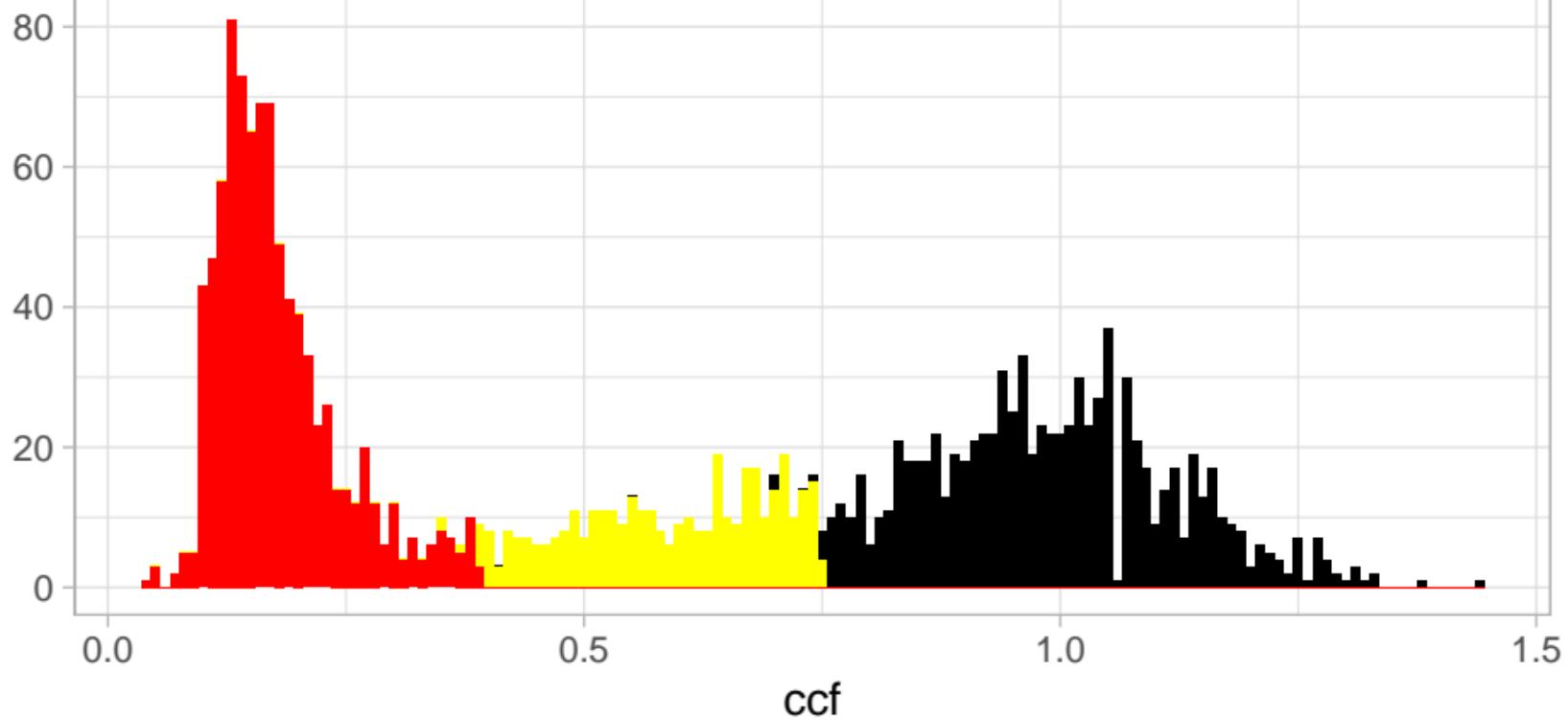
ccf

cluster tail clonal subclonal



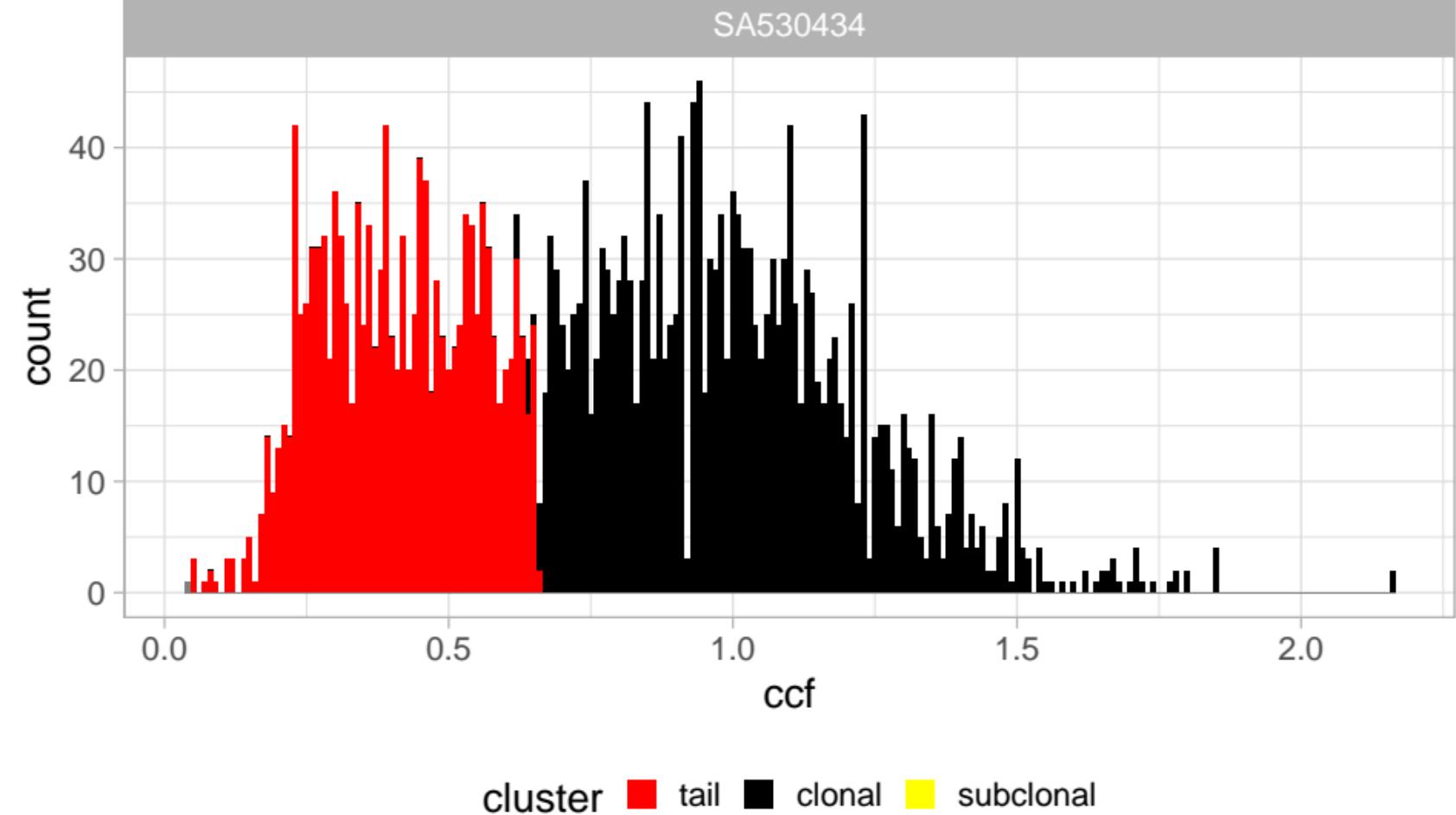
SA543496

count



cluster ■ tail ■ clonal ■ subclonal

SA530434



SA505904

count

200

150

100

50

0

0

1

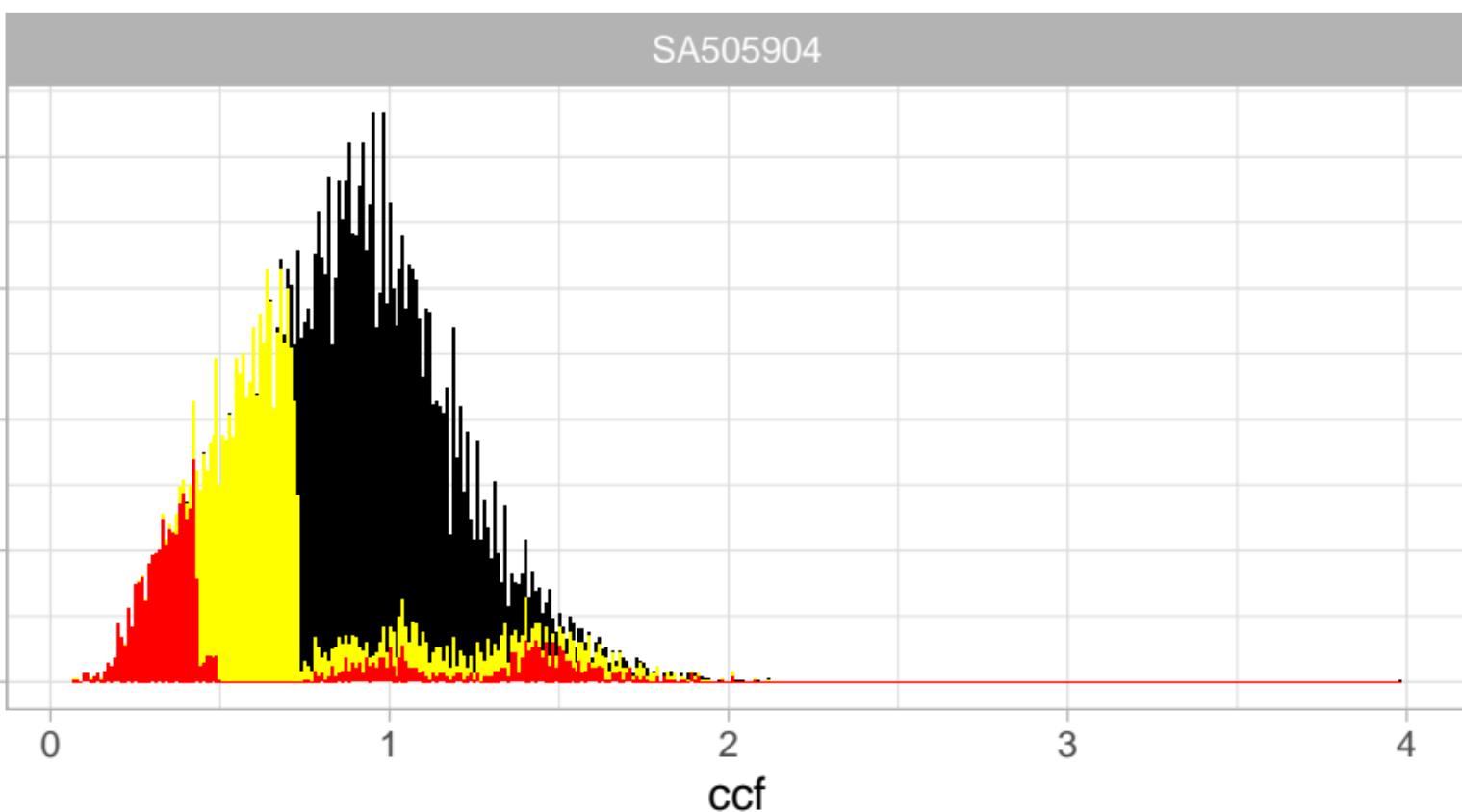
2

3

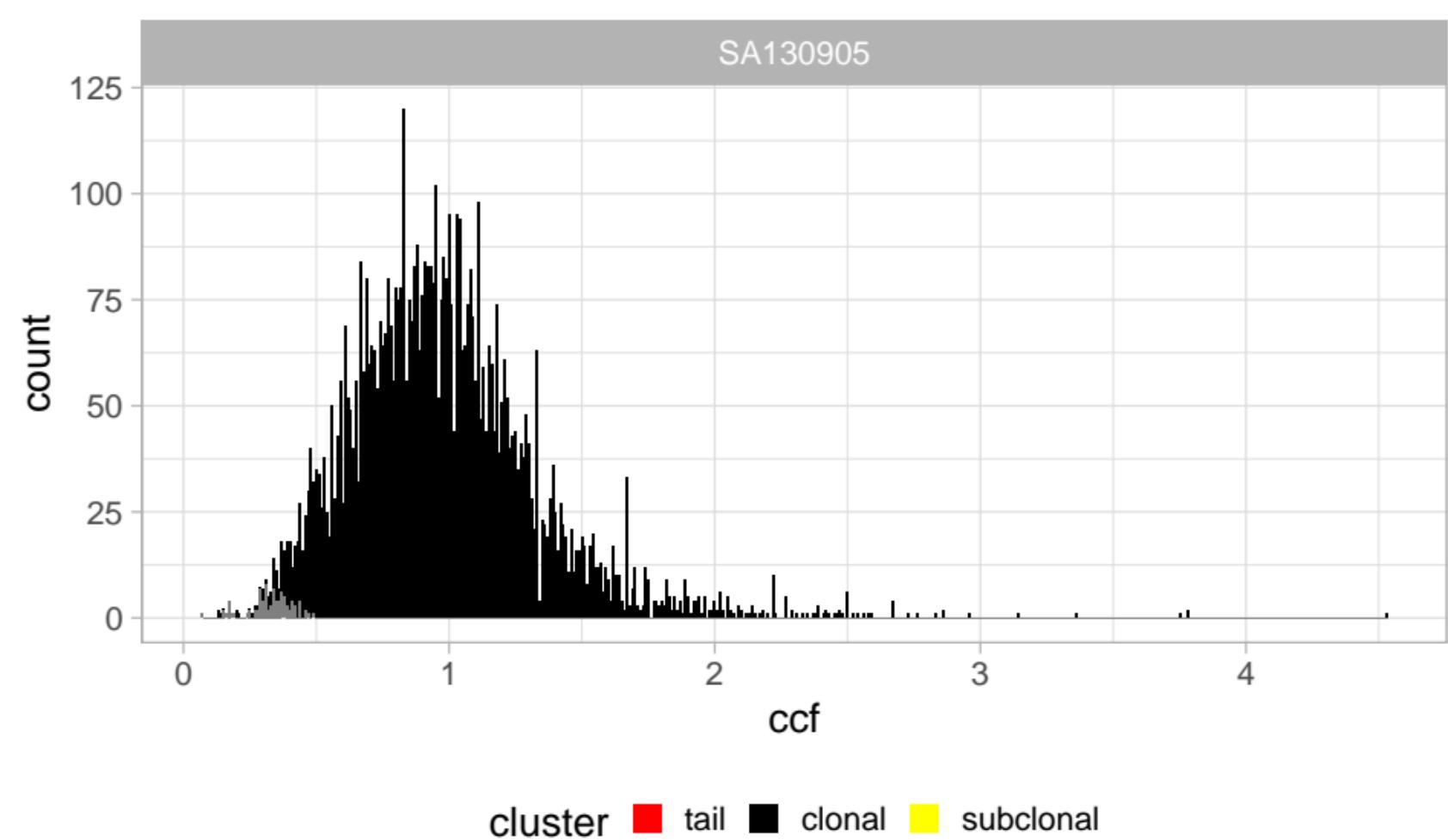
4

ccf

cluster ■ tail ■ clonal ■ subclonal



SA130905



SA321012

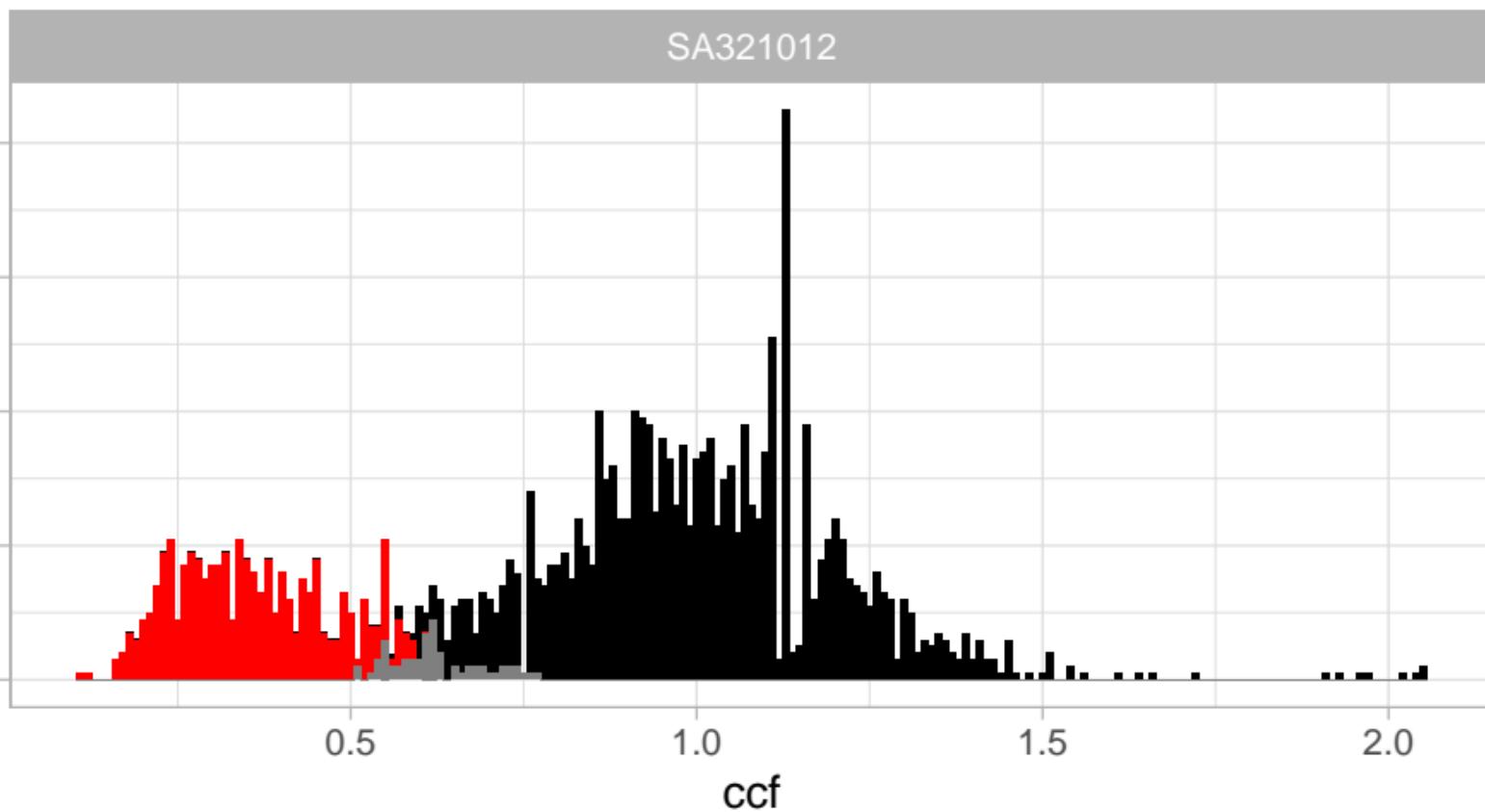
count

80
60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA528898

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA85340

count

200

150

100

50

0

0.0

0.5

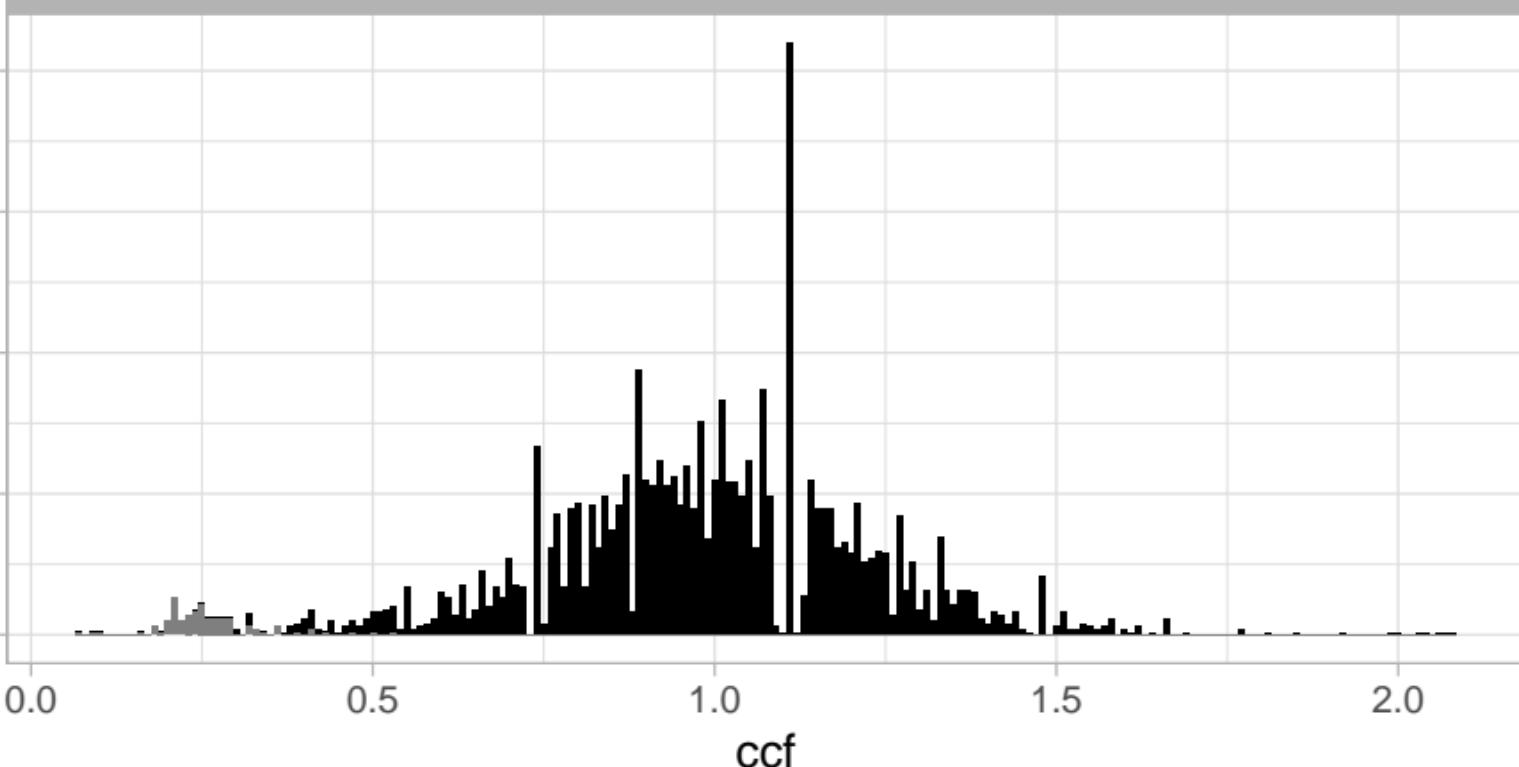
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA517279

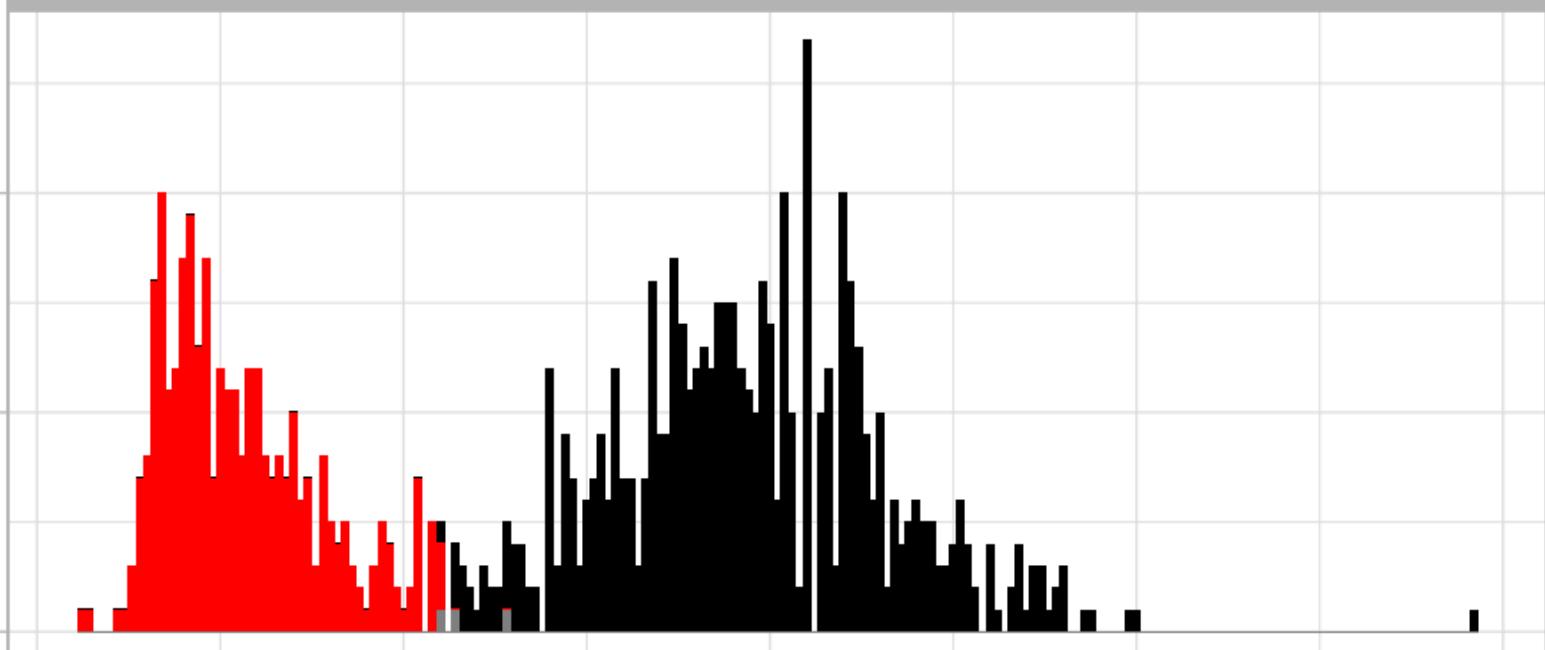
count

20
10
0

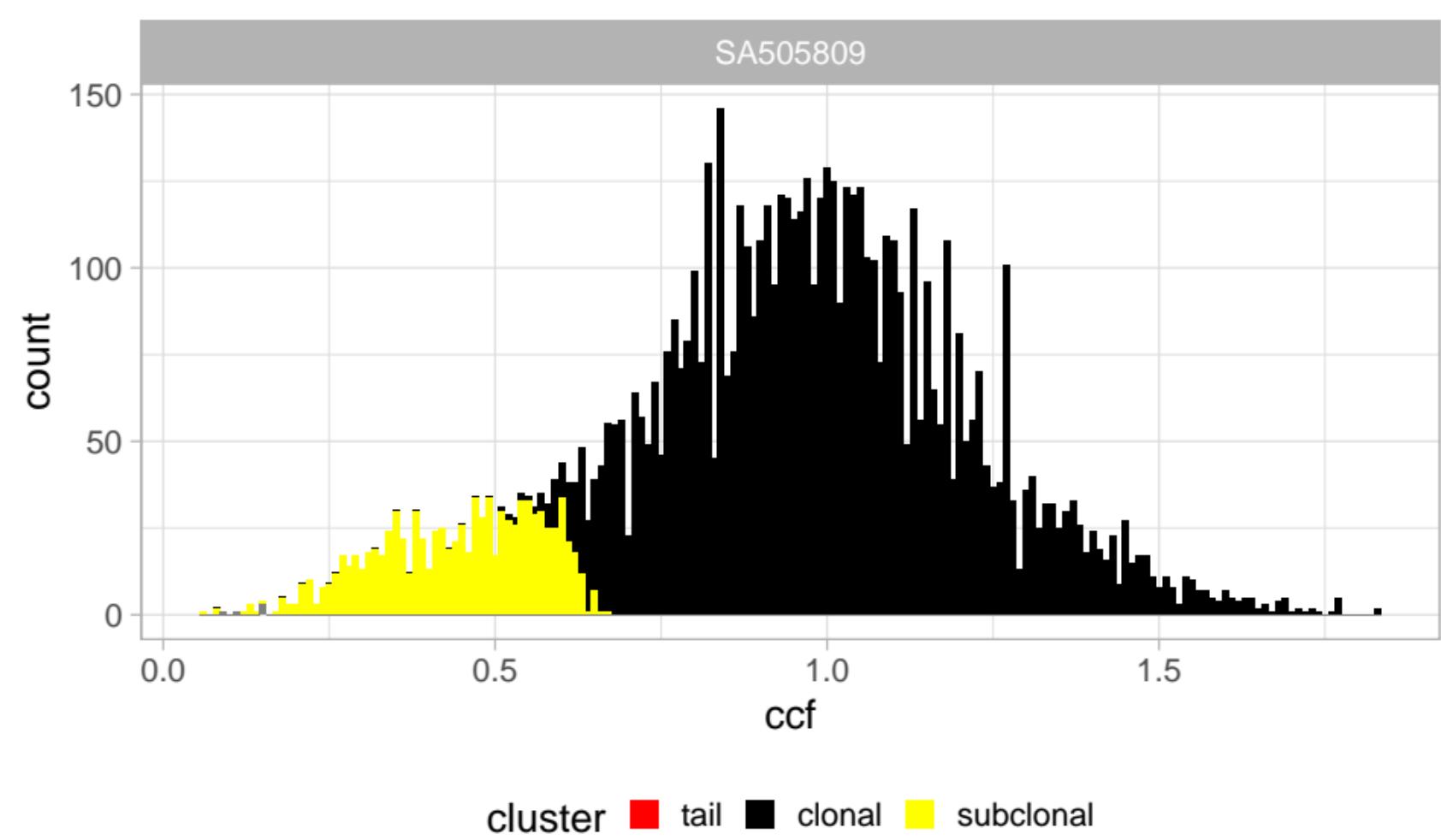
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

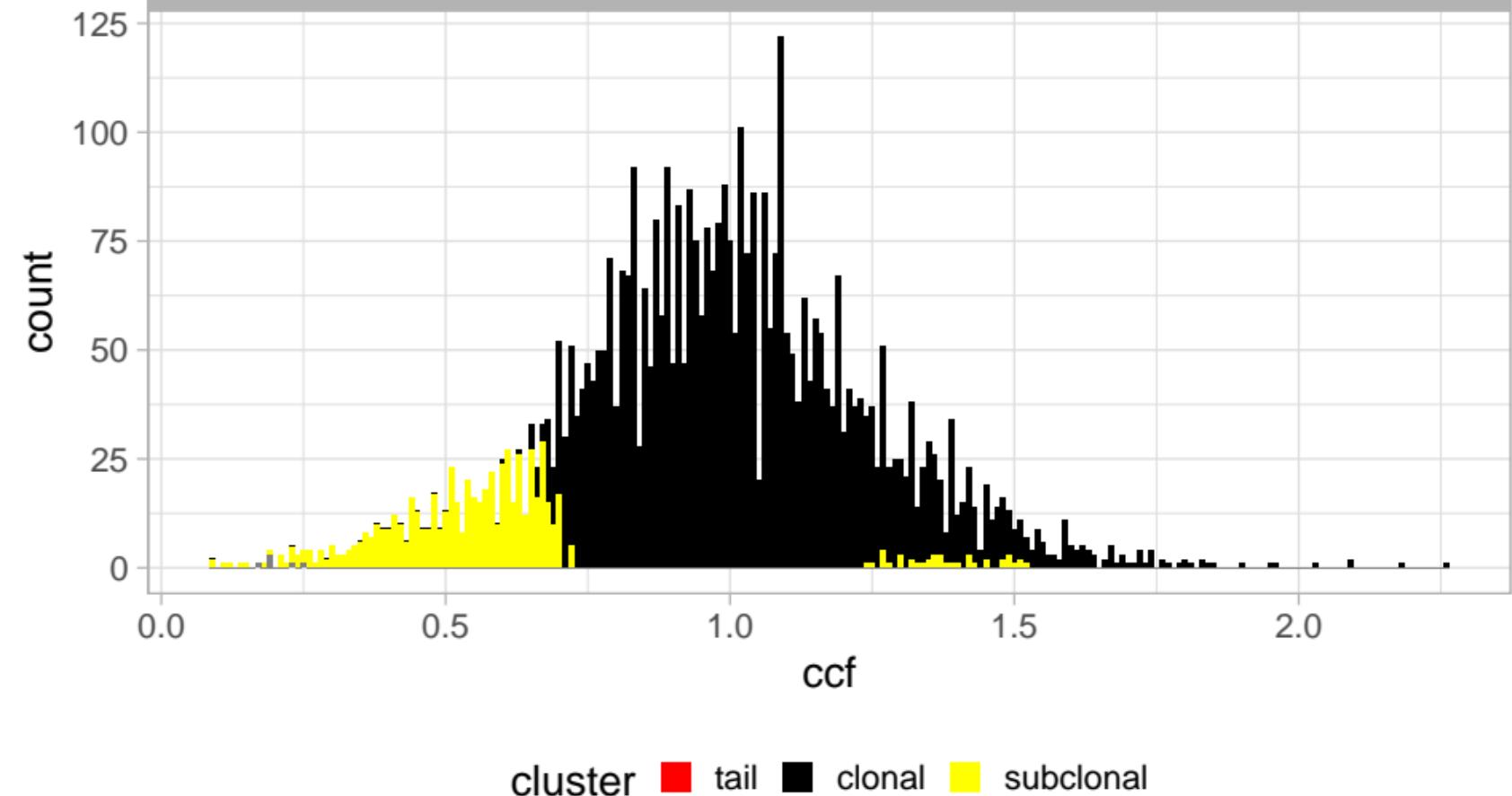


SA505809



cluster ■ tail ■ clonal ■ subclonal

SA413998



cluster ■ tail ■ clonal ■ subclonal

SA86347

count

60

40

20

0

0.0

0.5

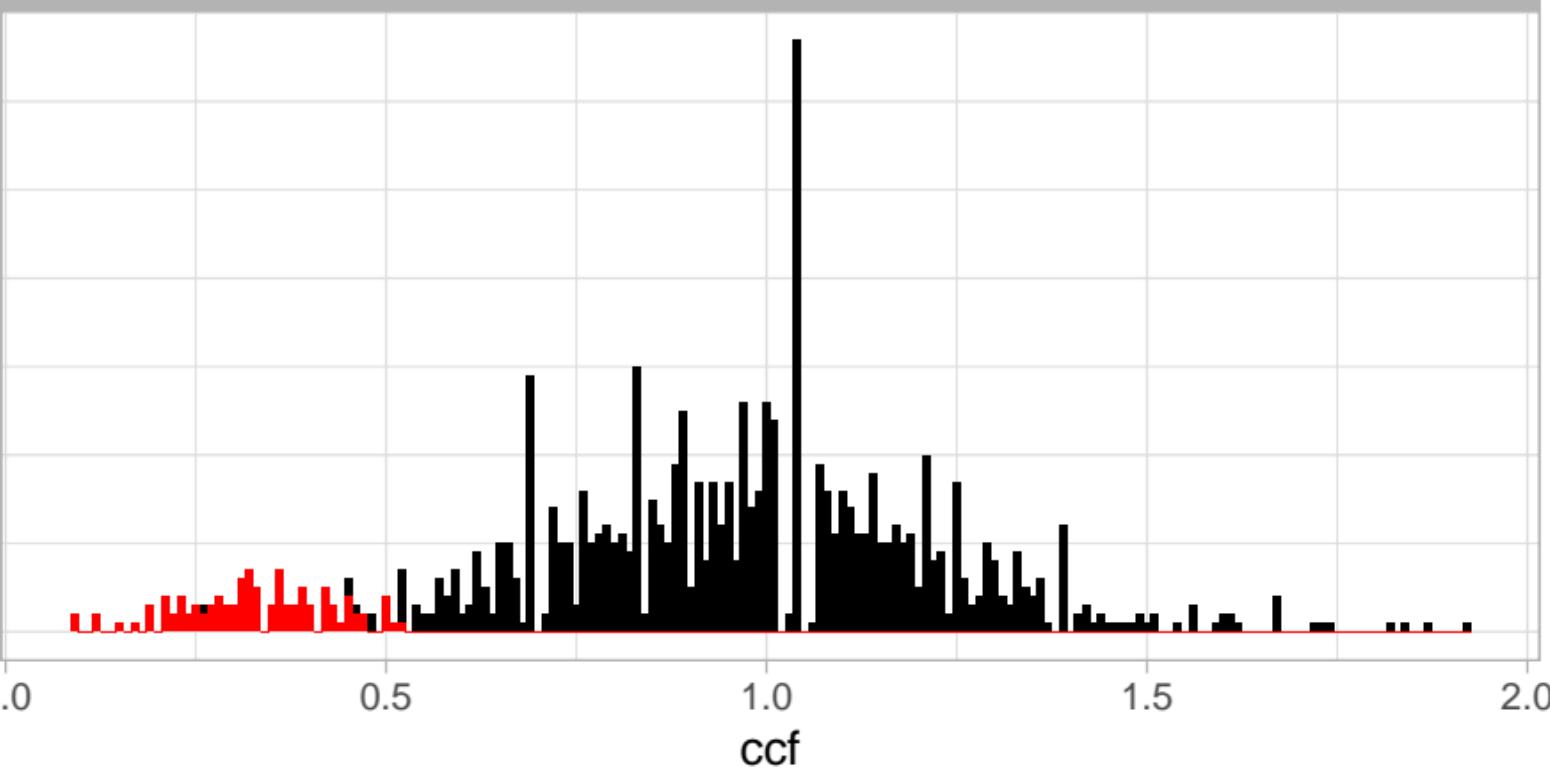
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA533773

count

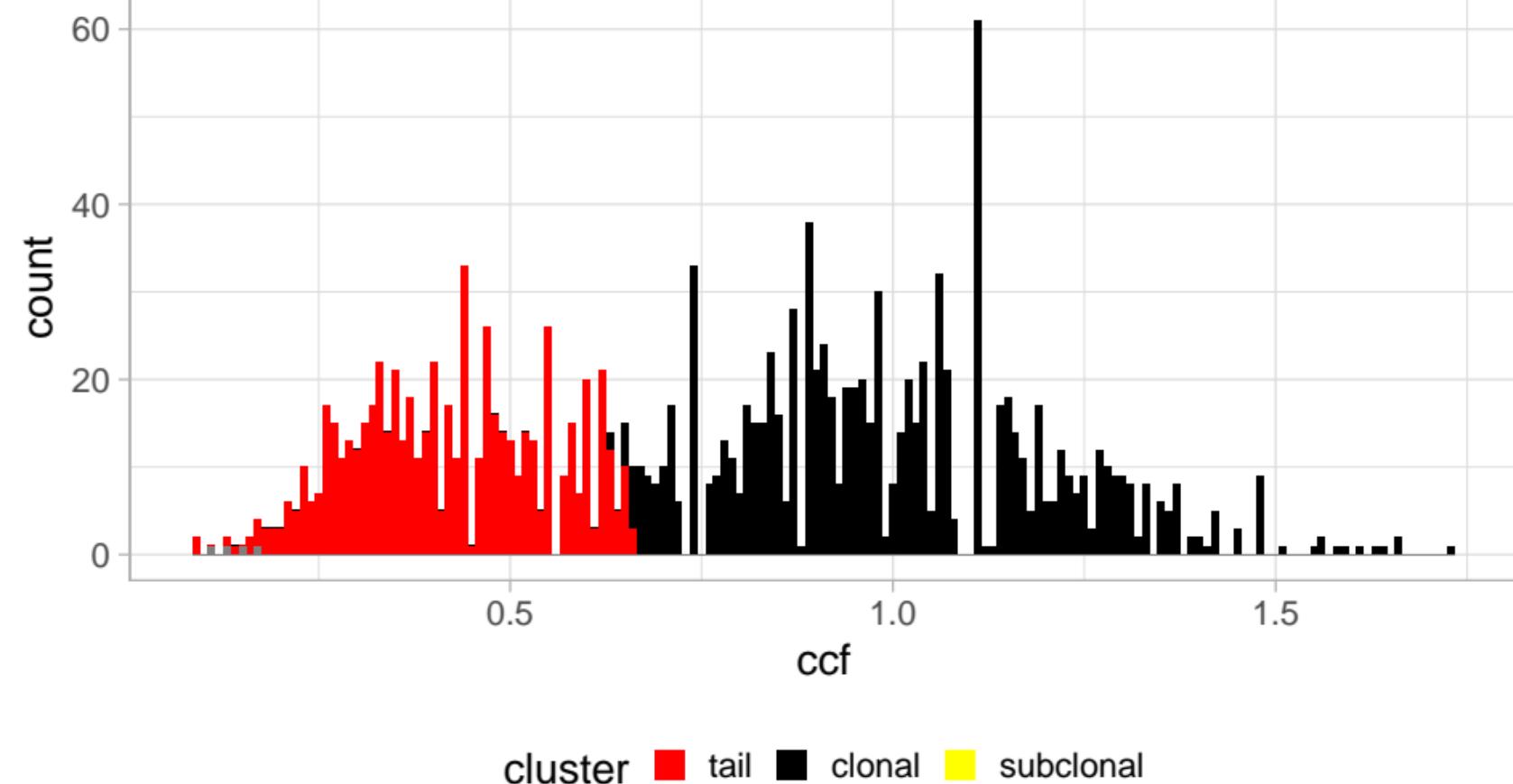
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA520431



SA528788

count

200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA517366

count

150

100

50

0

0.0

0.5

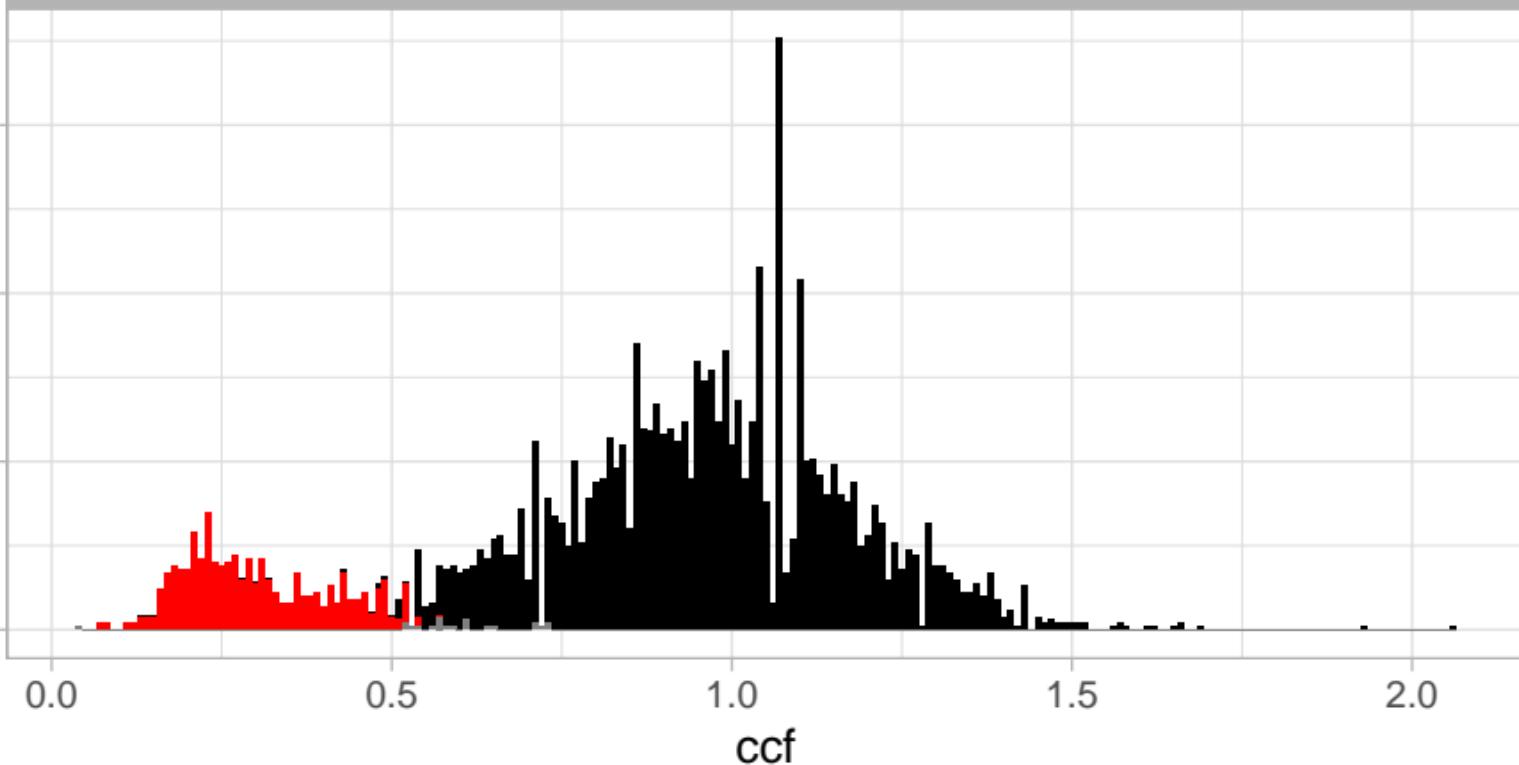
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA542108

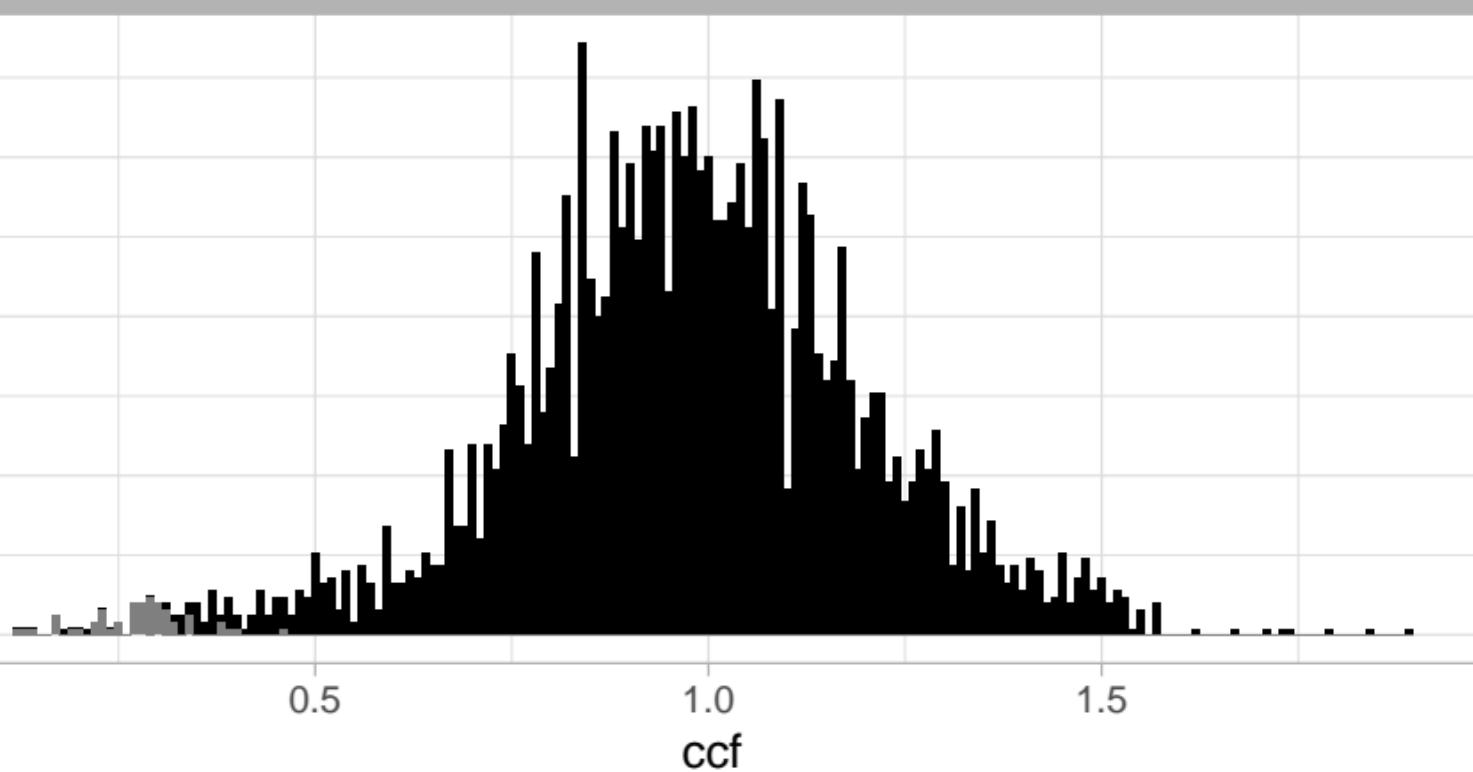
count

75
50
25
0

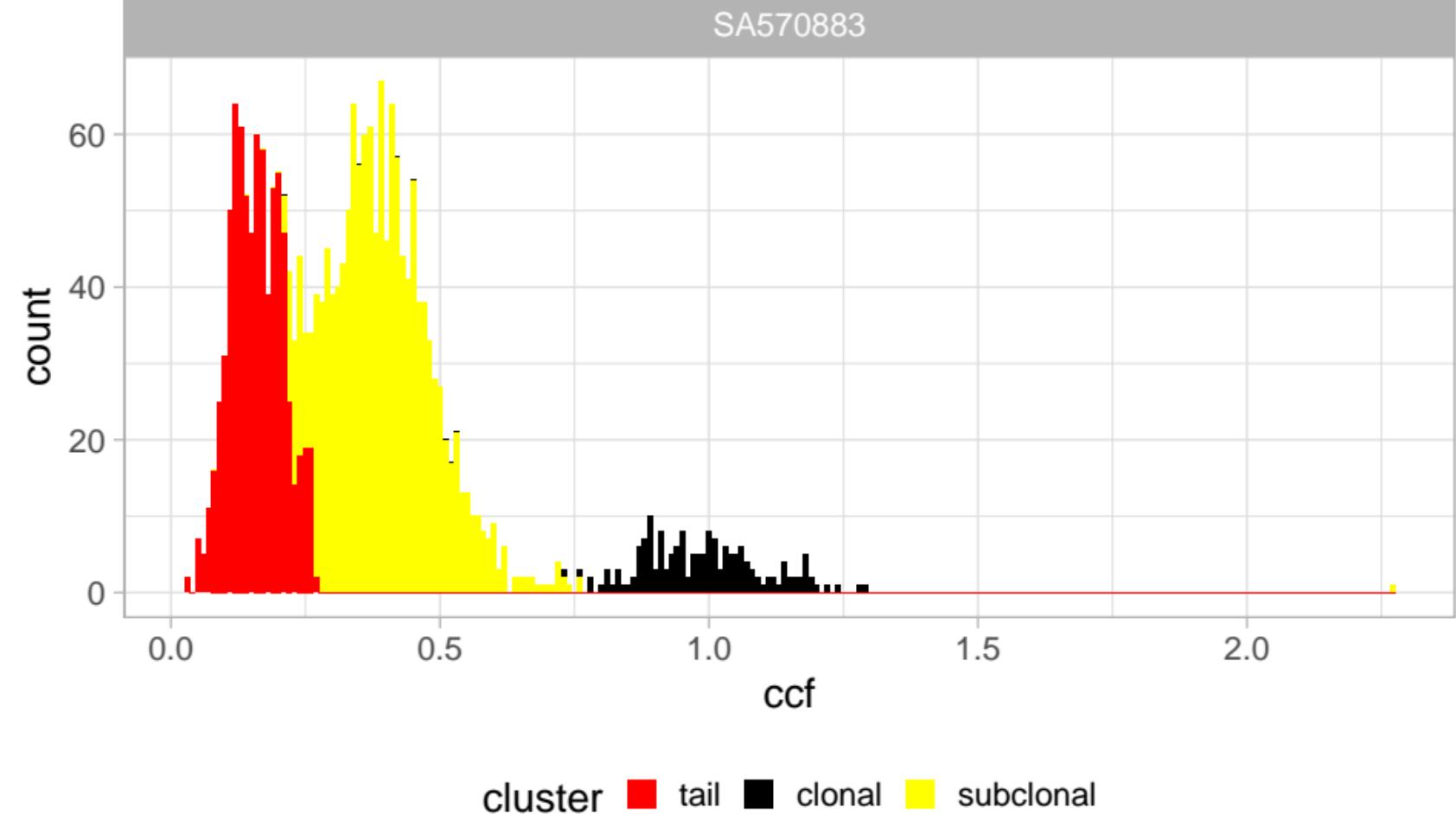
0.5 1.0 1.5

ccf

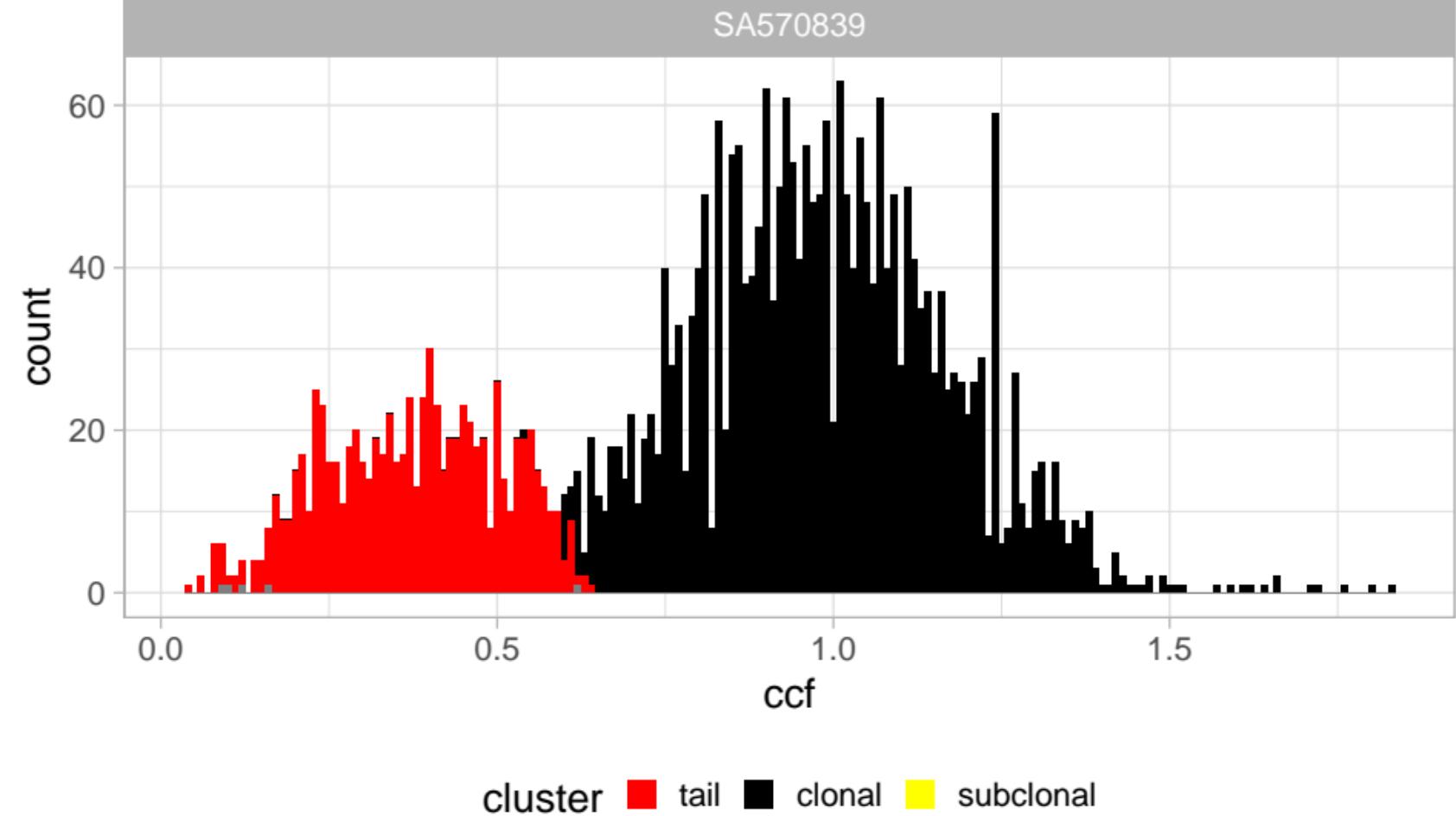
cluster tail clonal subclonal



SA570883

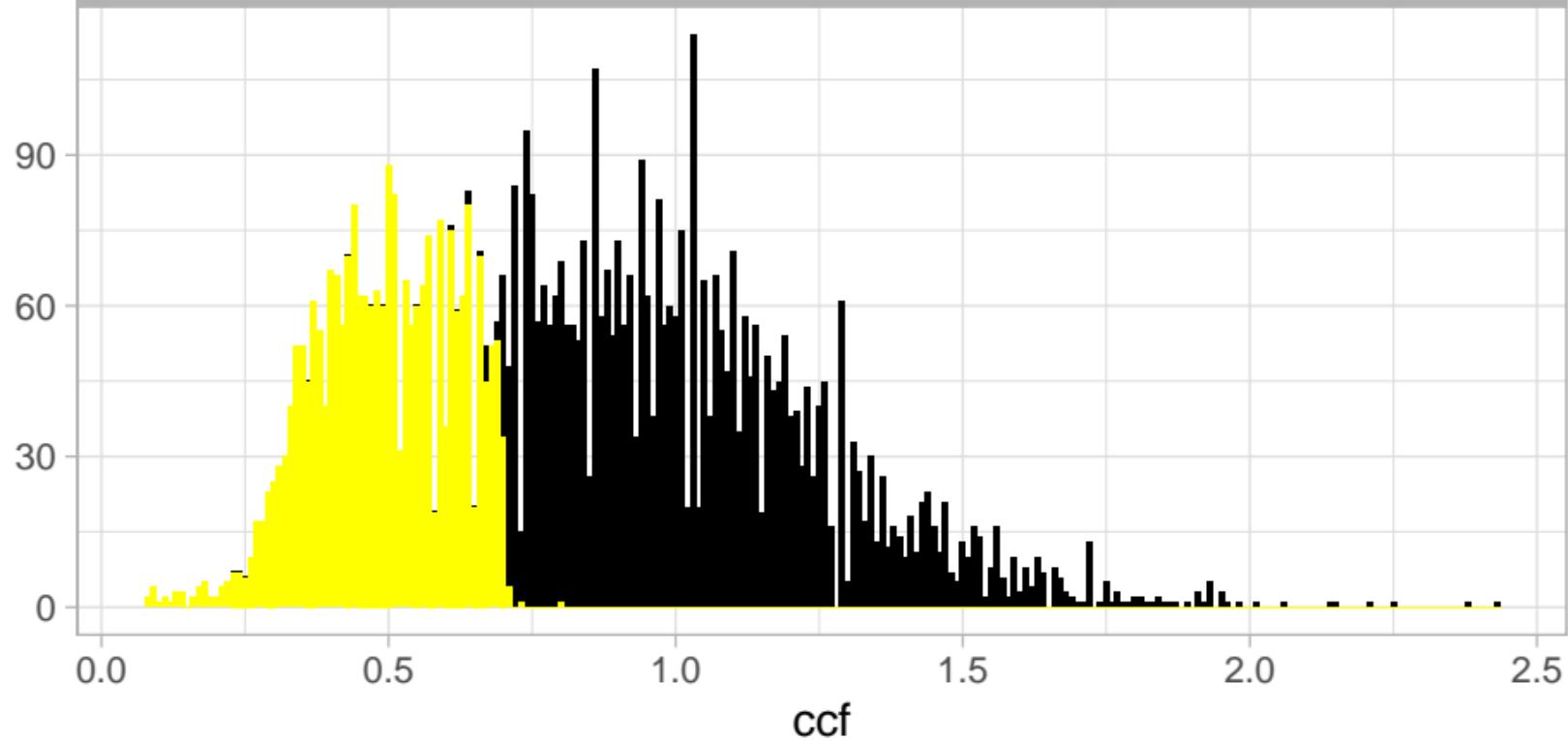


SA570839



SA507223

count



cluster ■ tail ■ clonal ■ subclonal

SA321004

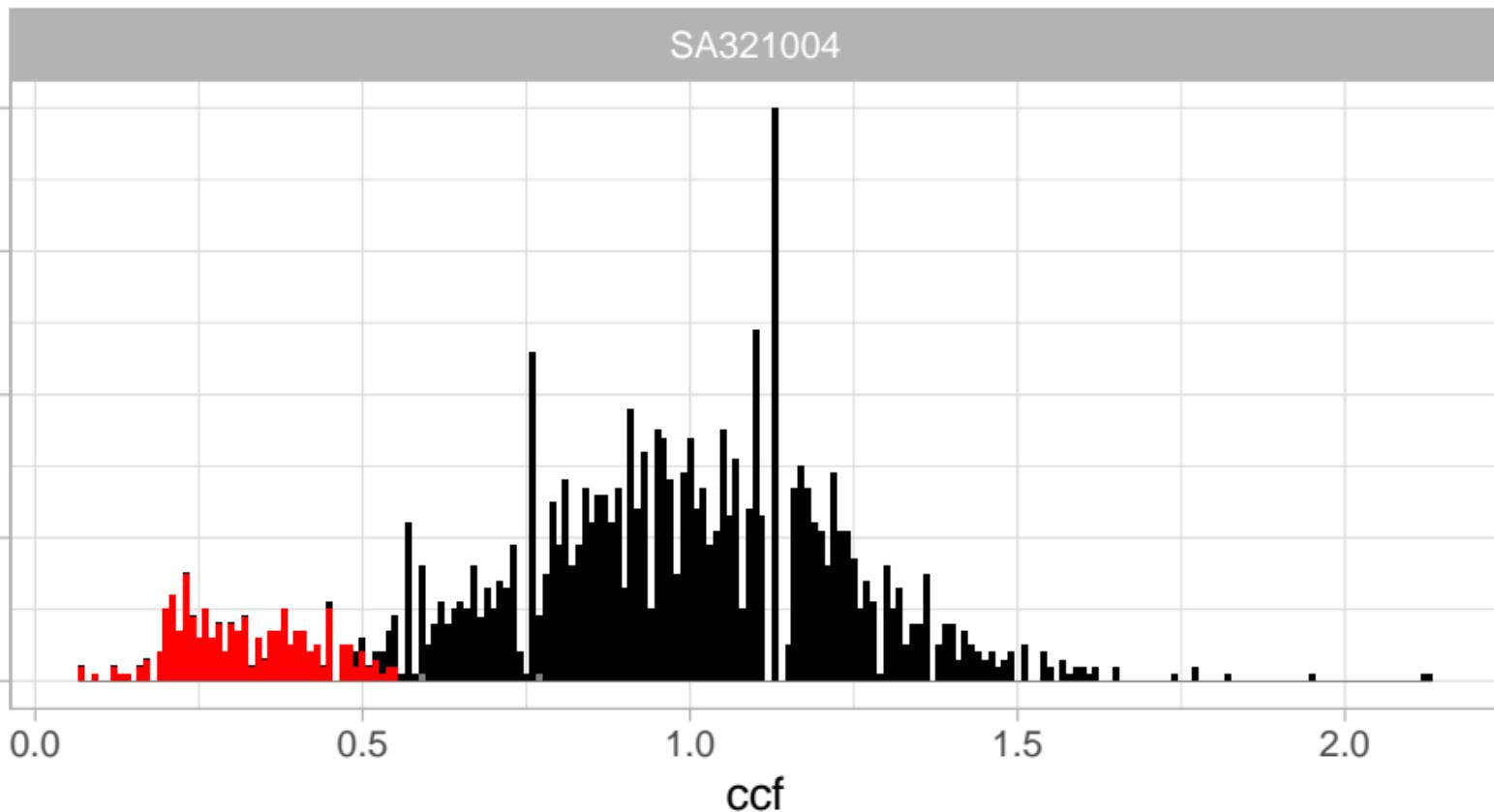
count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA530550

count

400

200

0

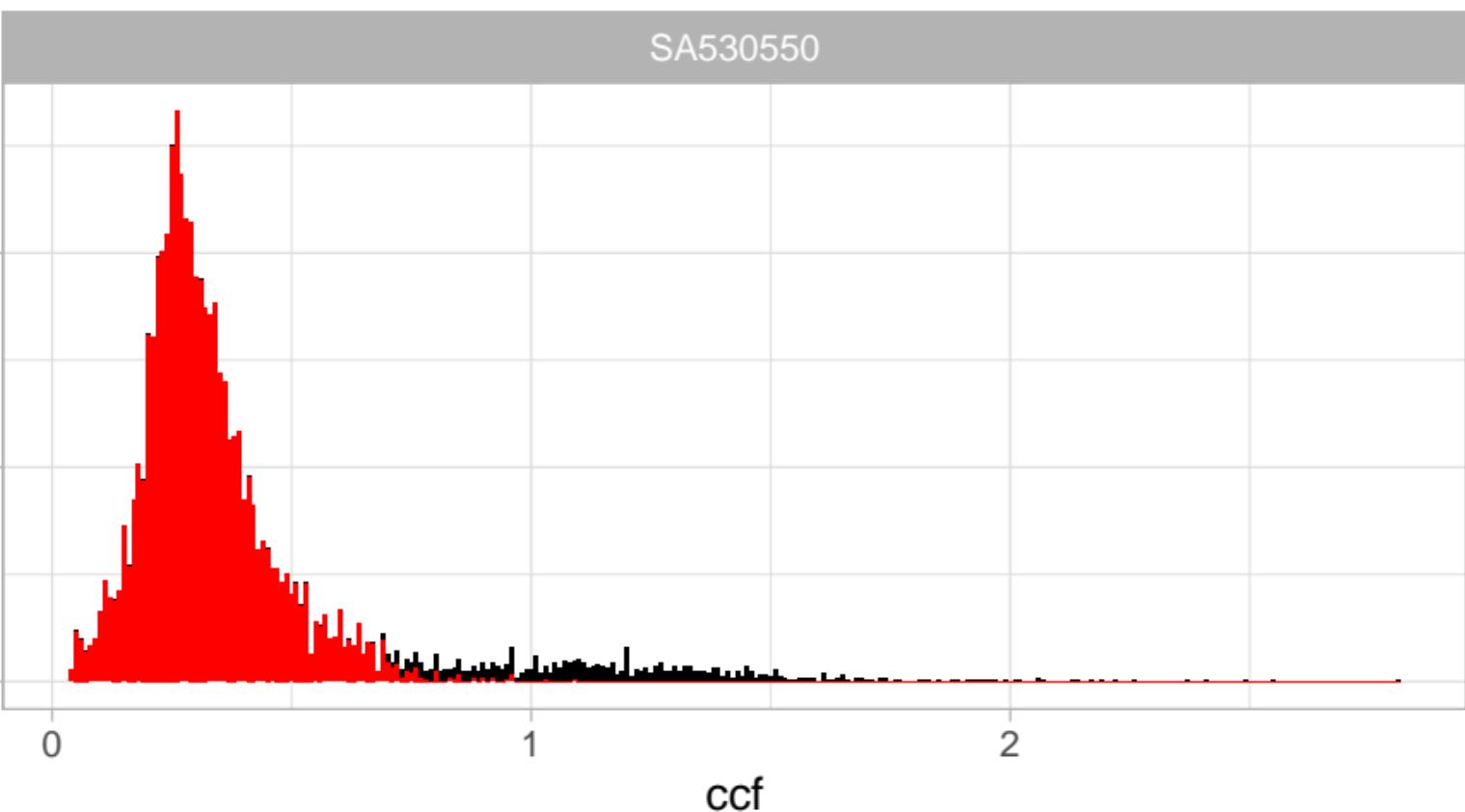
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530535

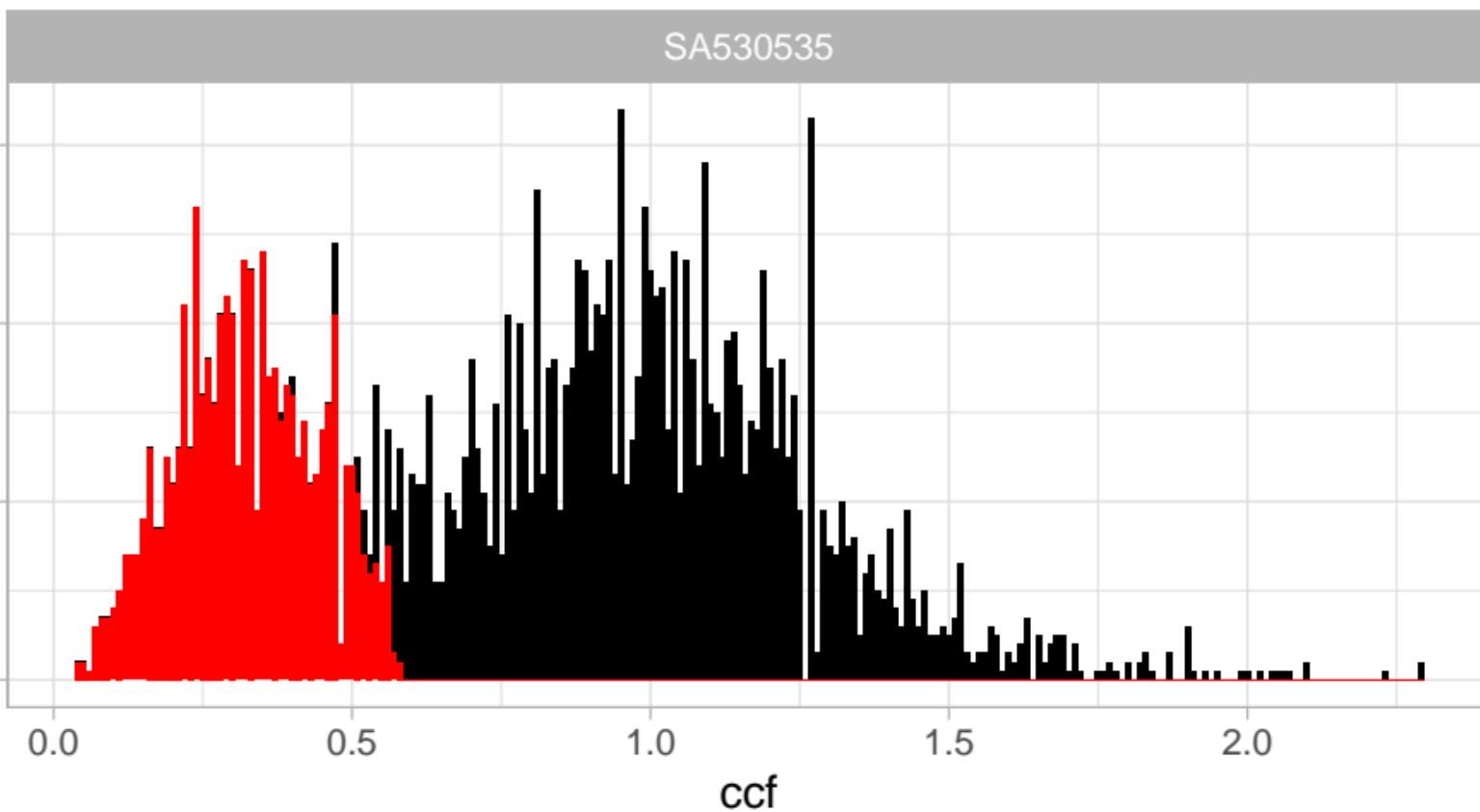
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557318

count

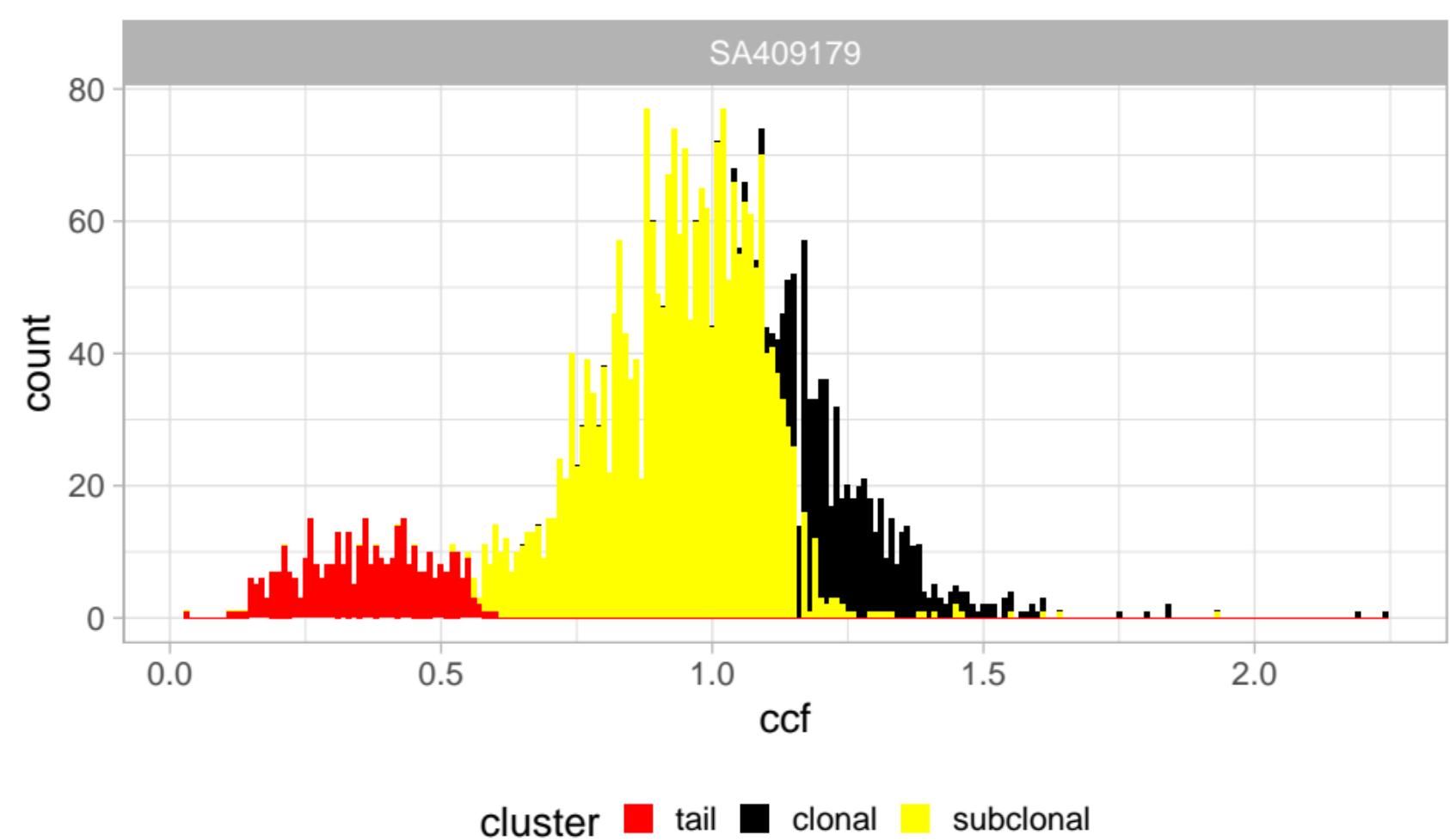
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA409179



SA557377

count

200

150

100

50

0

0.0

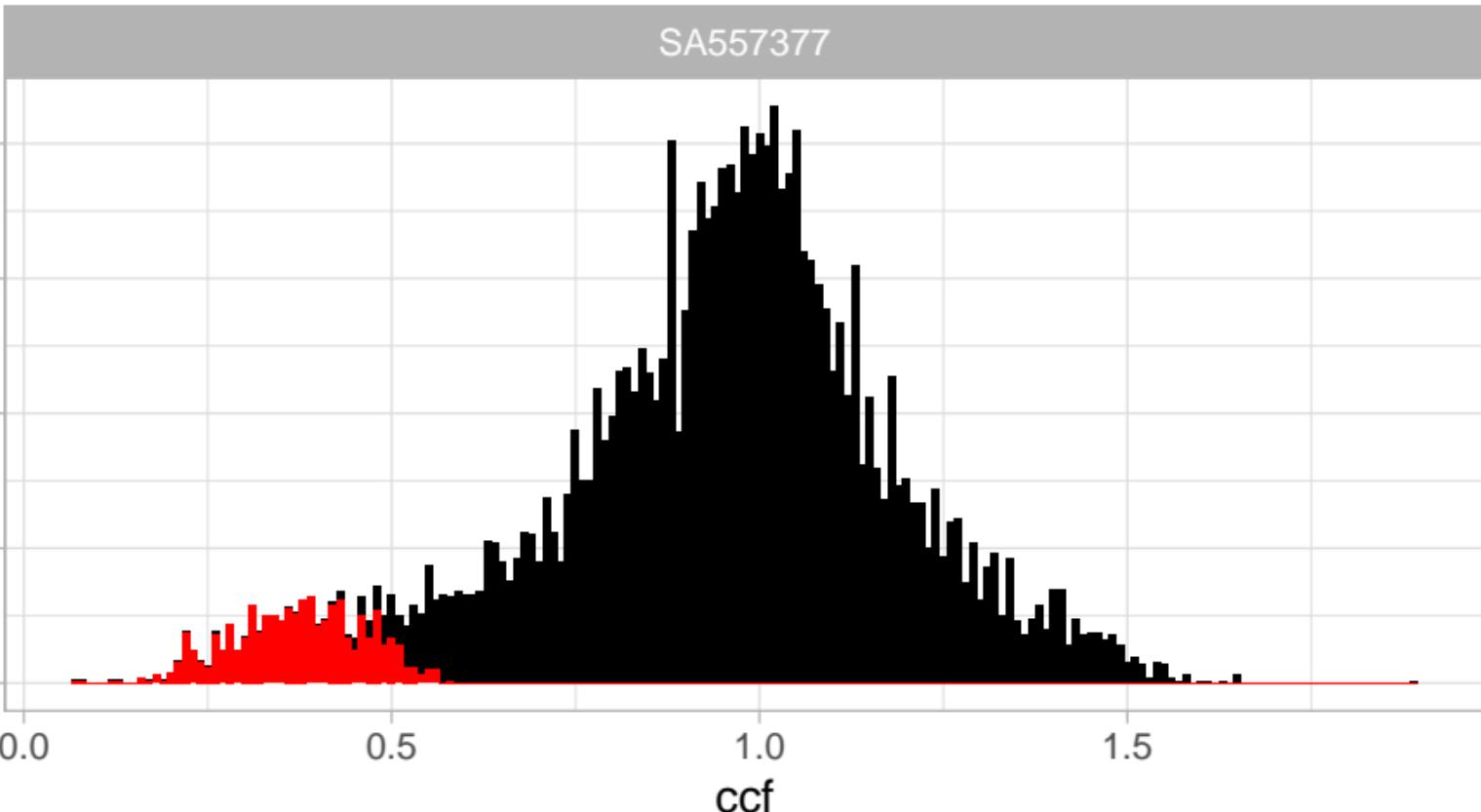
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA541757

count

100

50

0

0.0

0.5

1.0

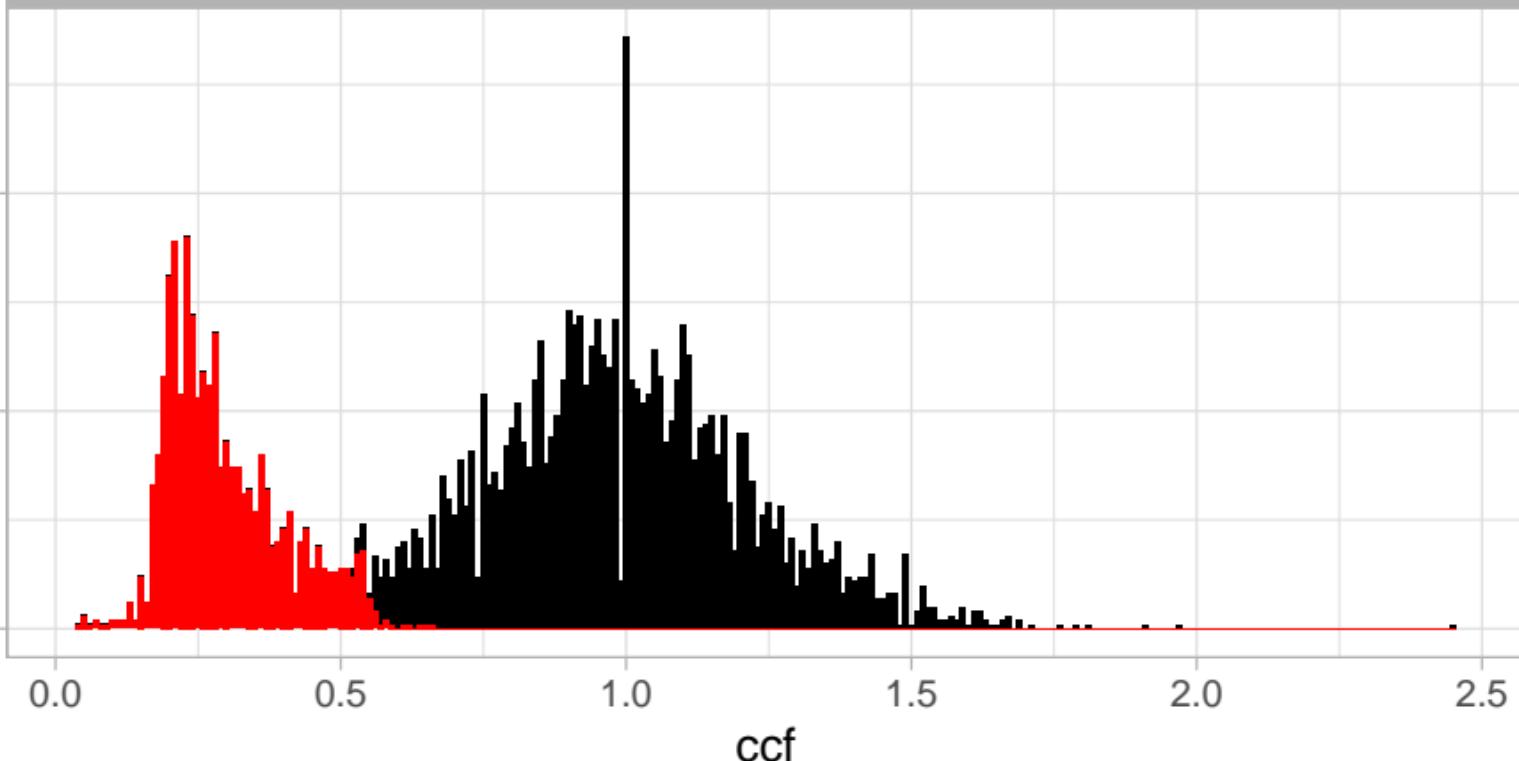
1.5

2.0

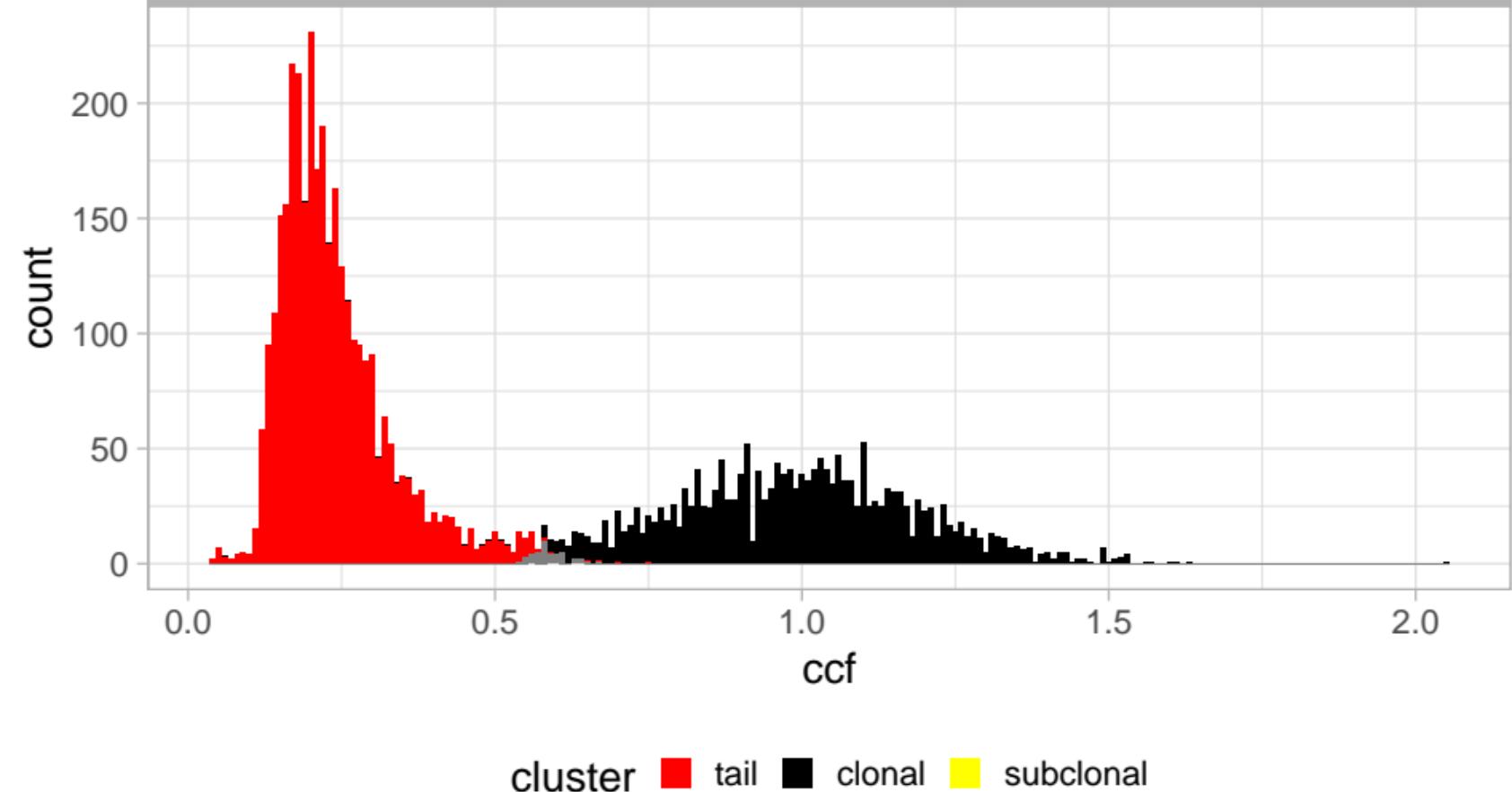
2.5

ccf

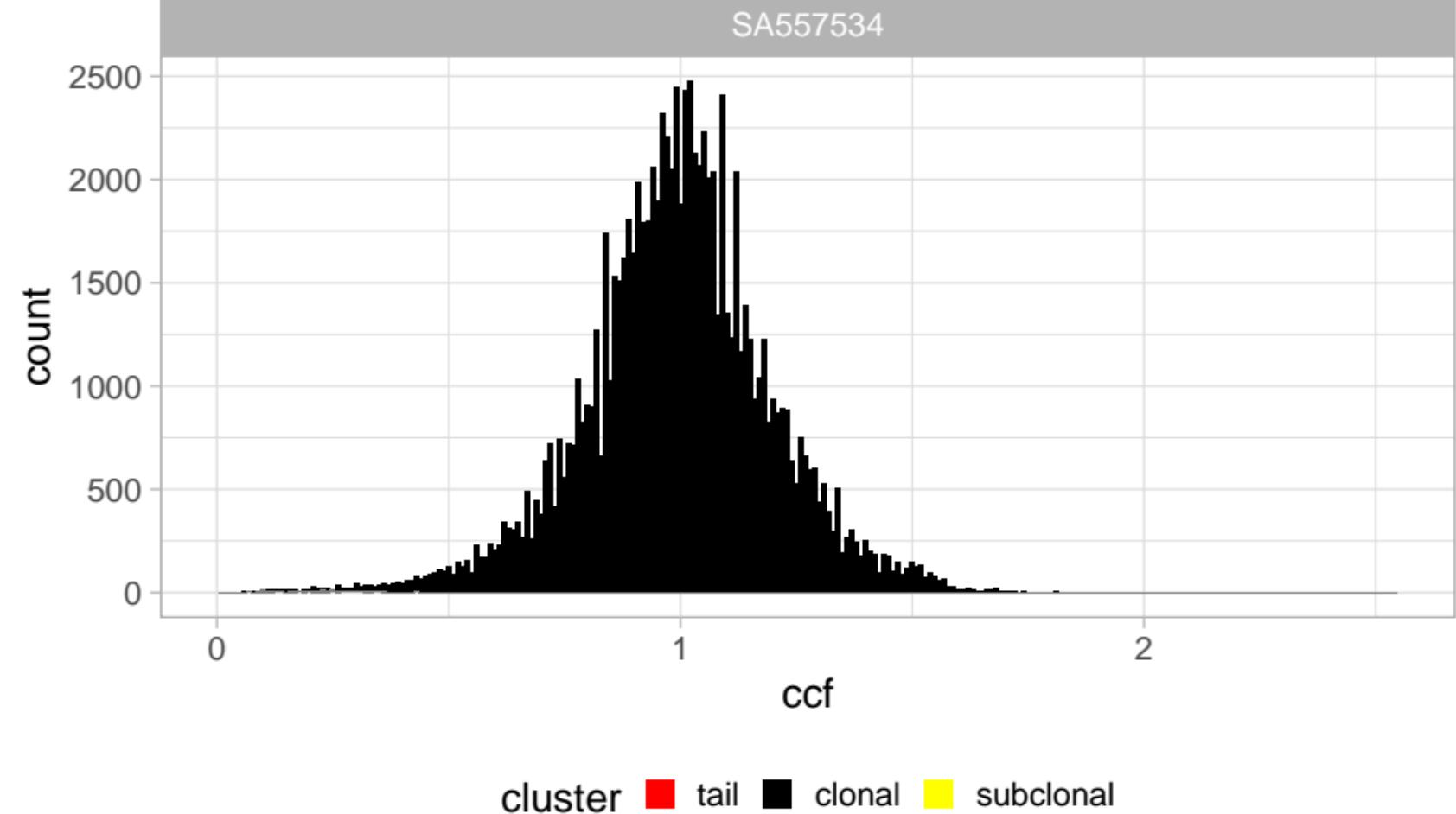
cluster tail clonal subclonal



SA530438



SA557534



SA410374

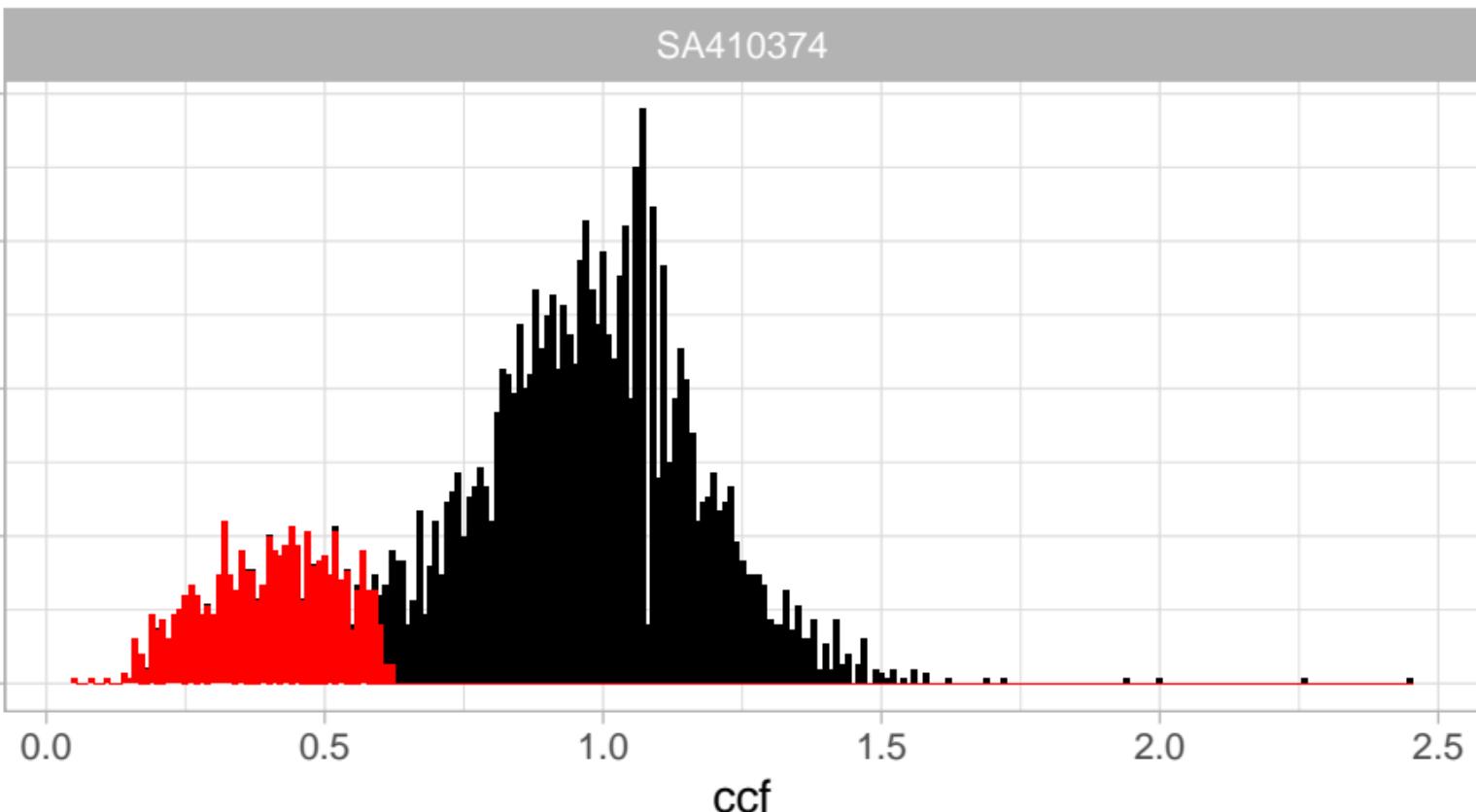
count

120
90
60
30
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA542993

count

20

15

10

0

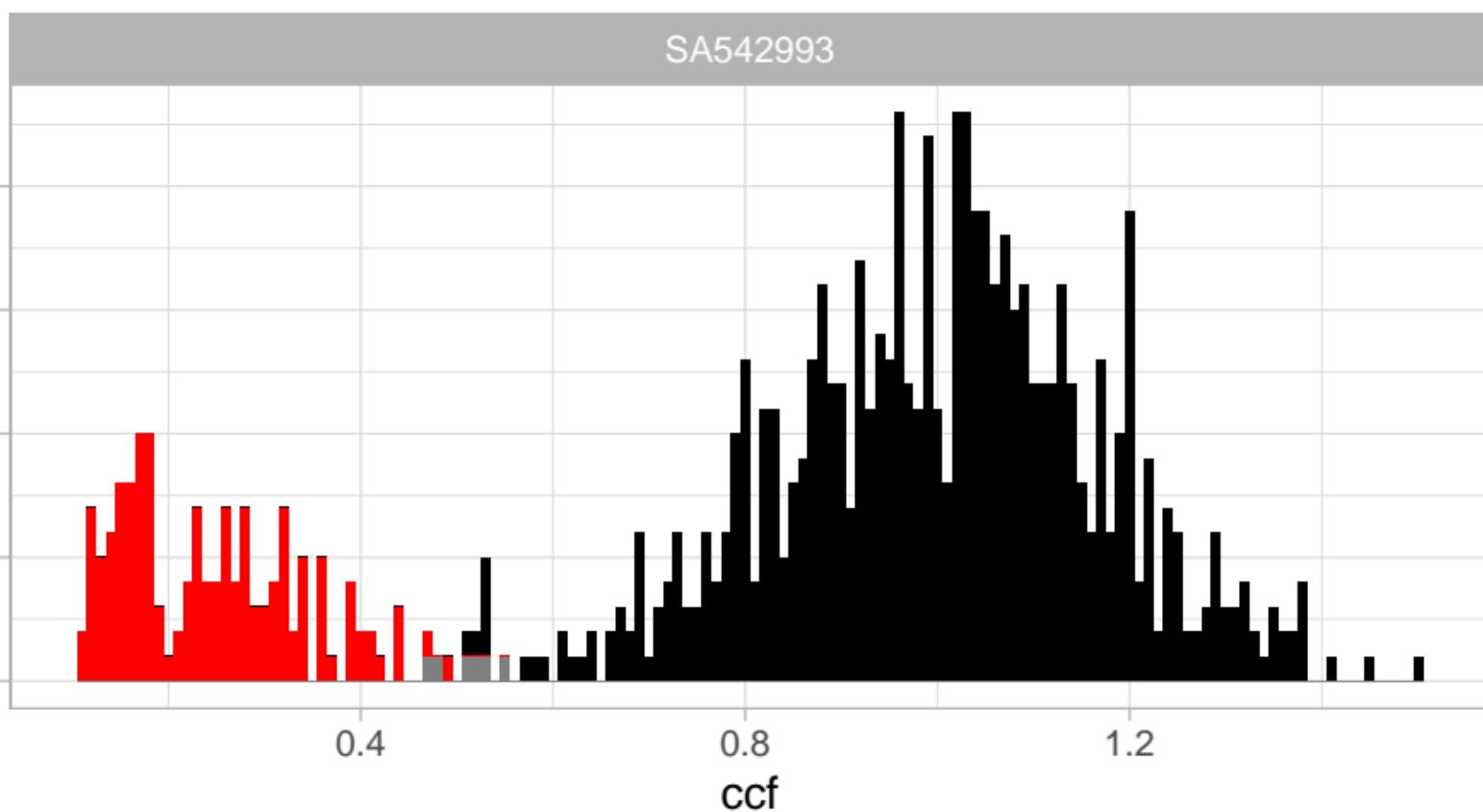
0.4

0.8

1.2

ccf

cluster tail clonal subclonal



SA570857

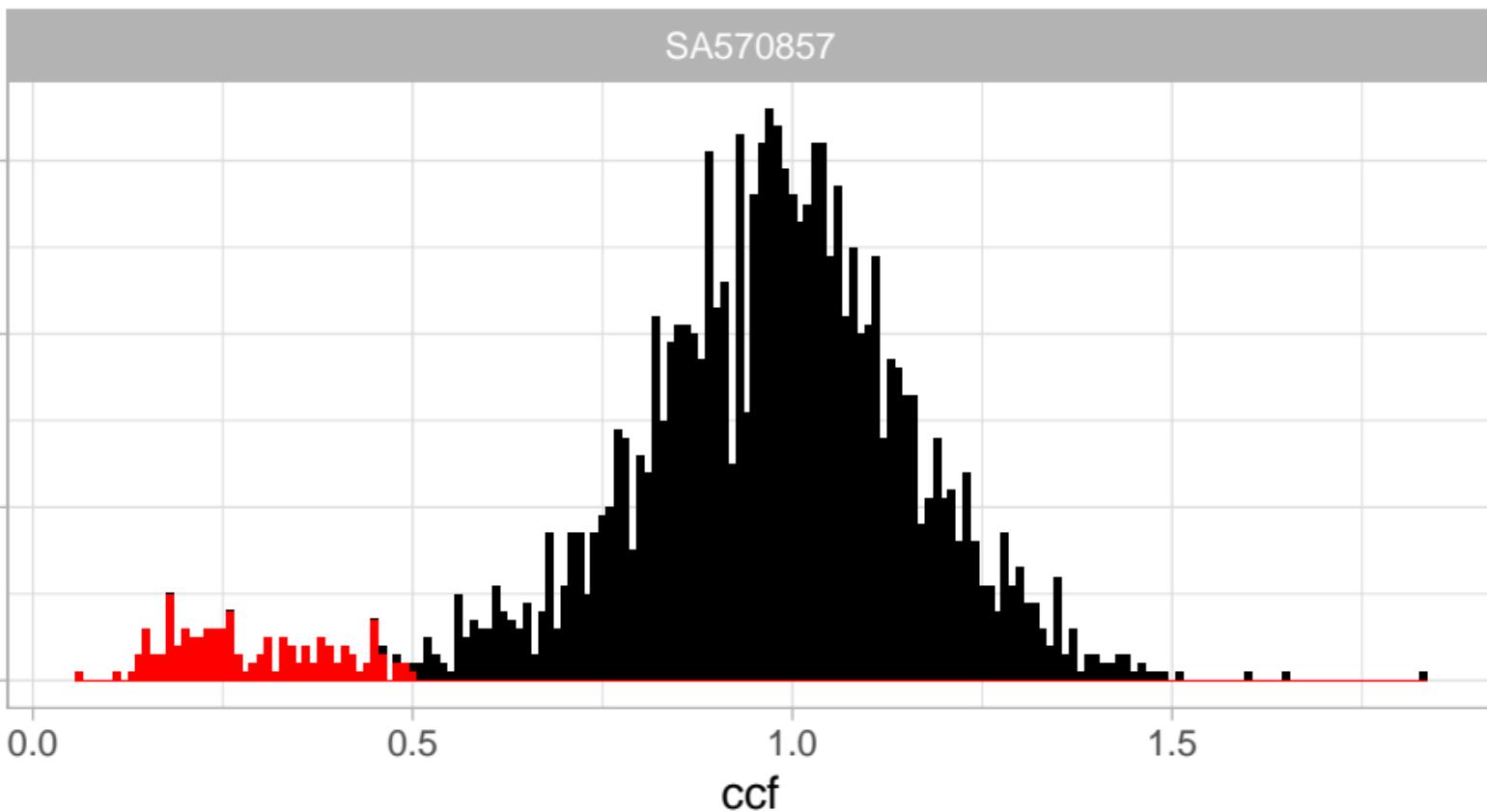
count

60
40
20
0

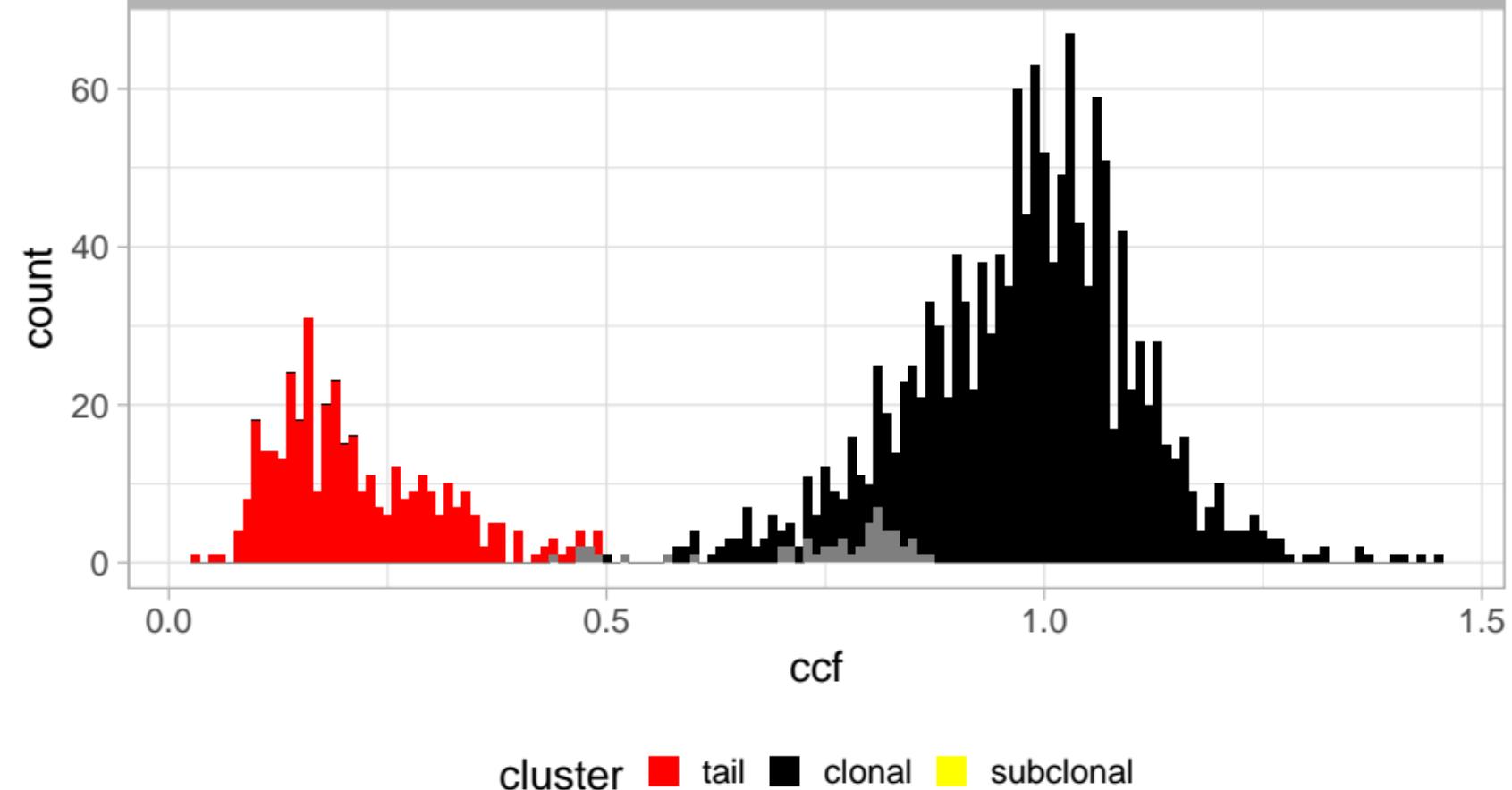
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA506664



SA528903

count

800
600
400
200
0

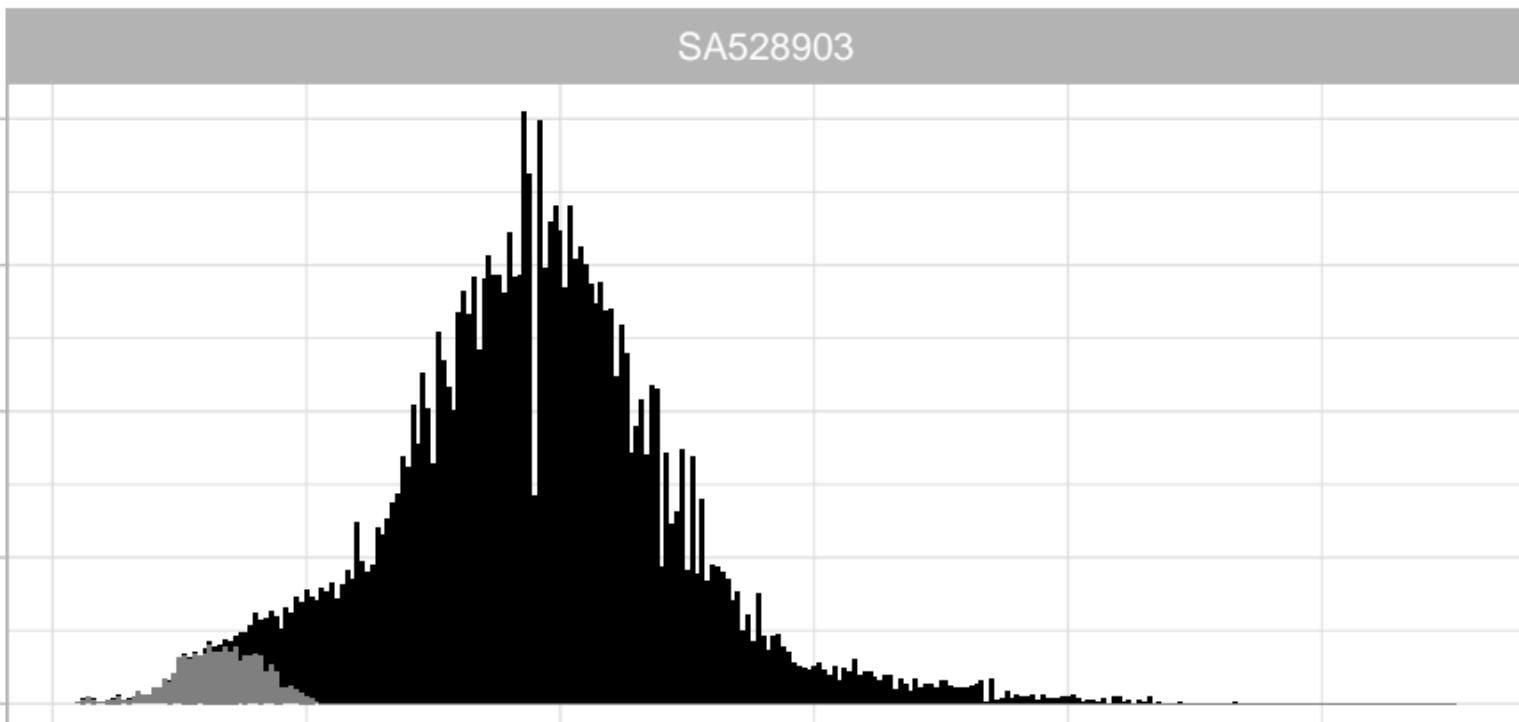
0

1

2

ccf

cluster tail clonal subclonal



SA533580

count

150

100

50

0

0.0

0.5

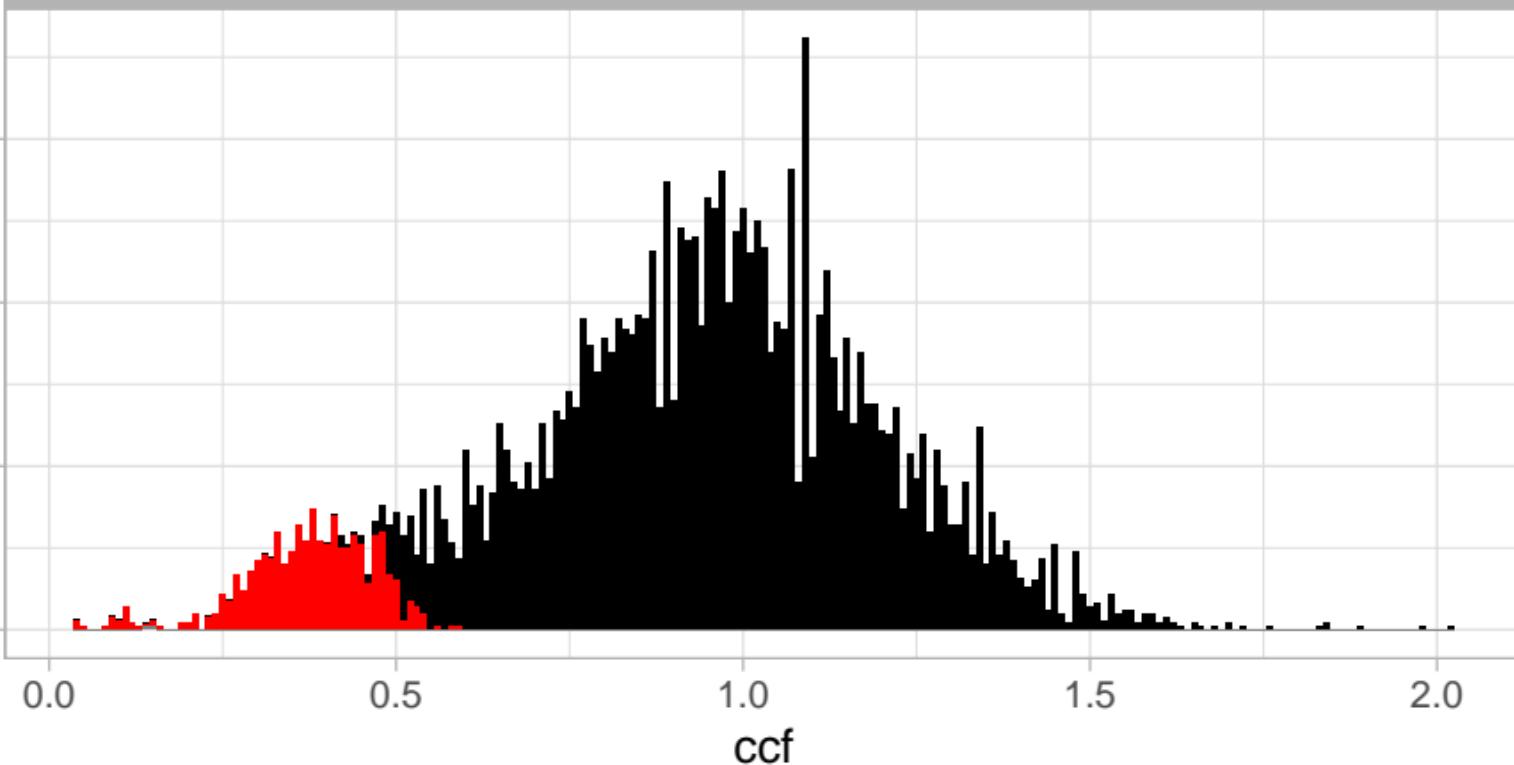
1.0

1.5

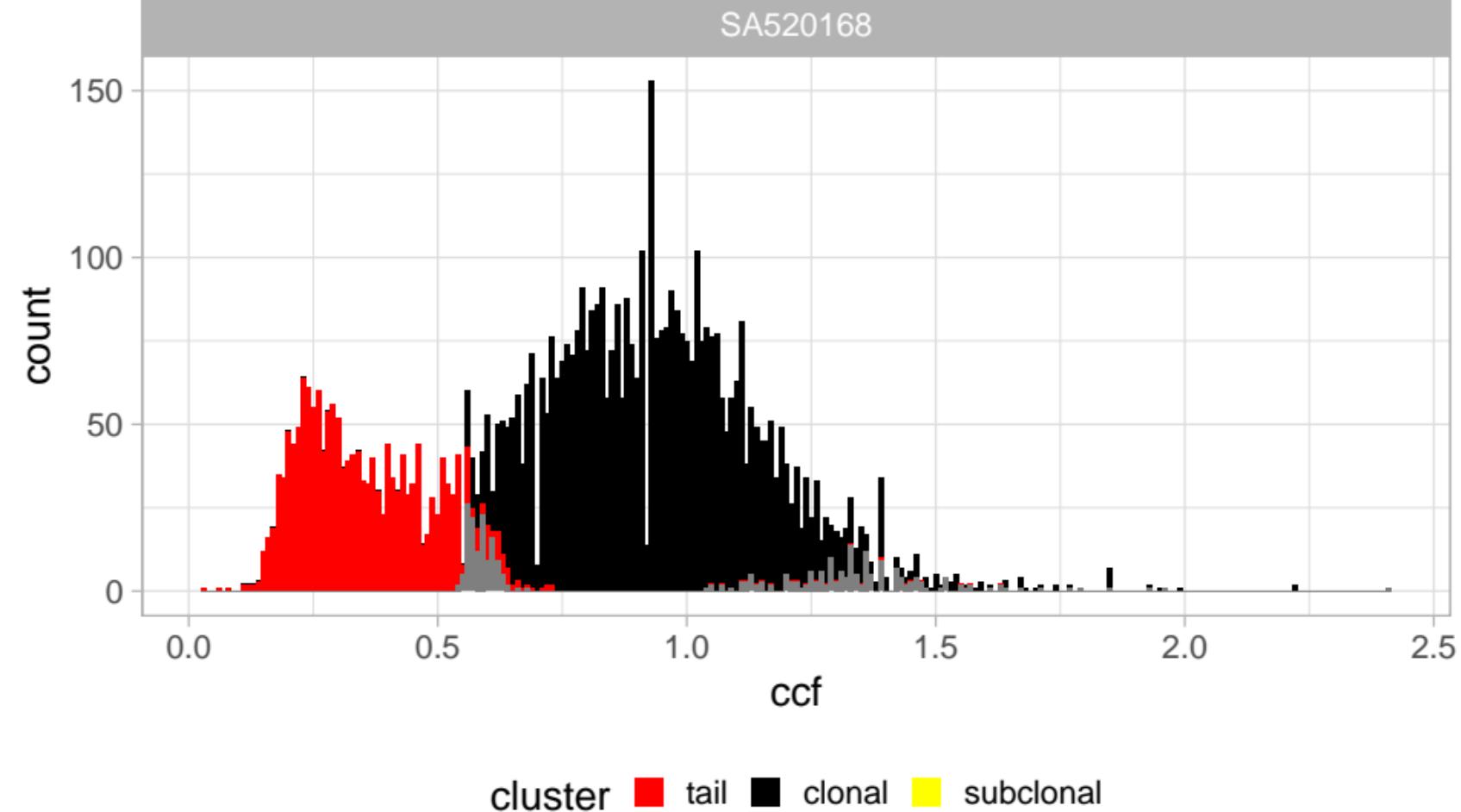
2.0

ccf

cluster tail clonal subclonal



SA520168



SA544083

count

20

15

10

5

0

0.0

0.5

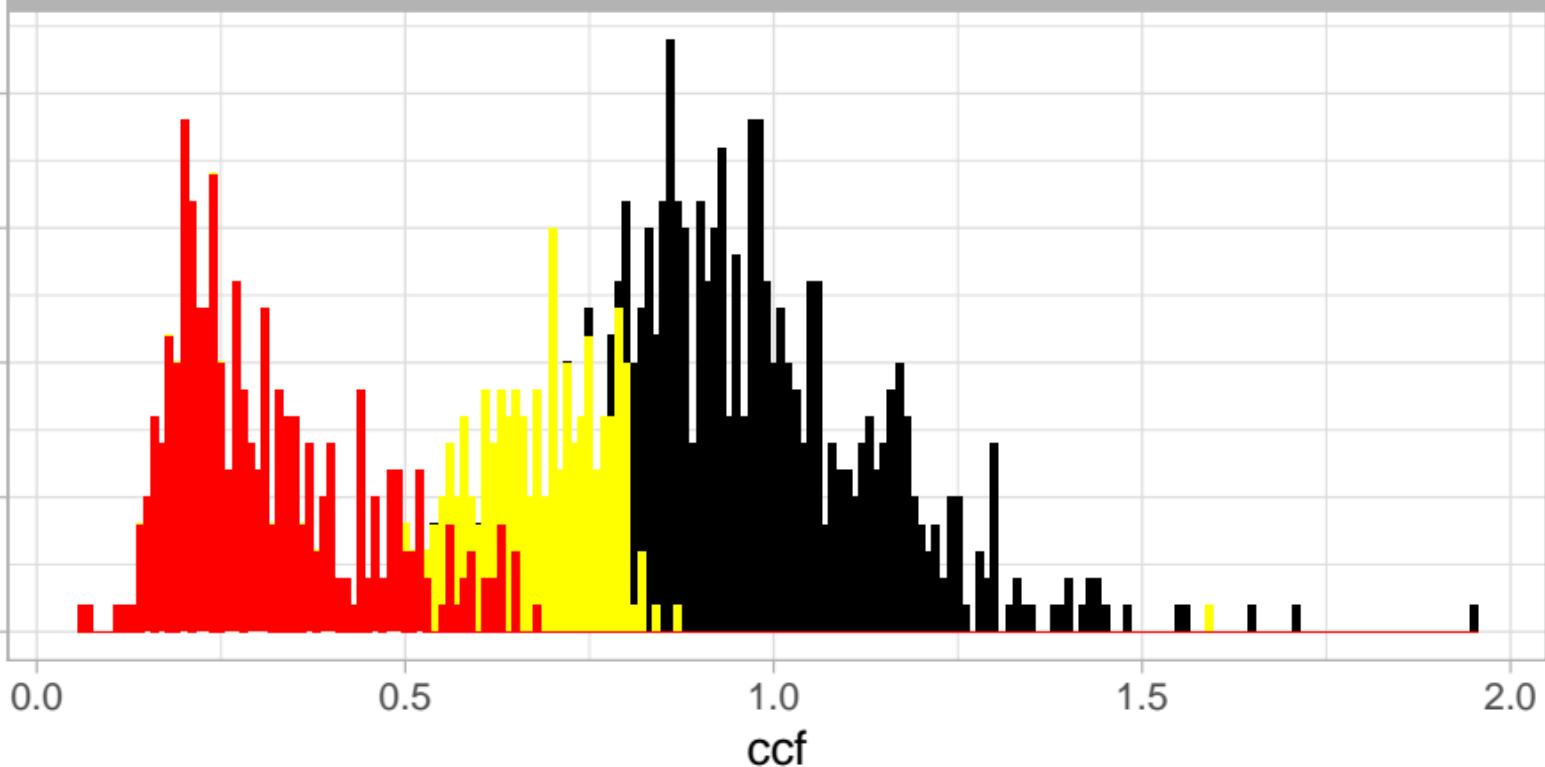
1.0

1.5

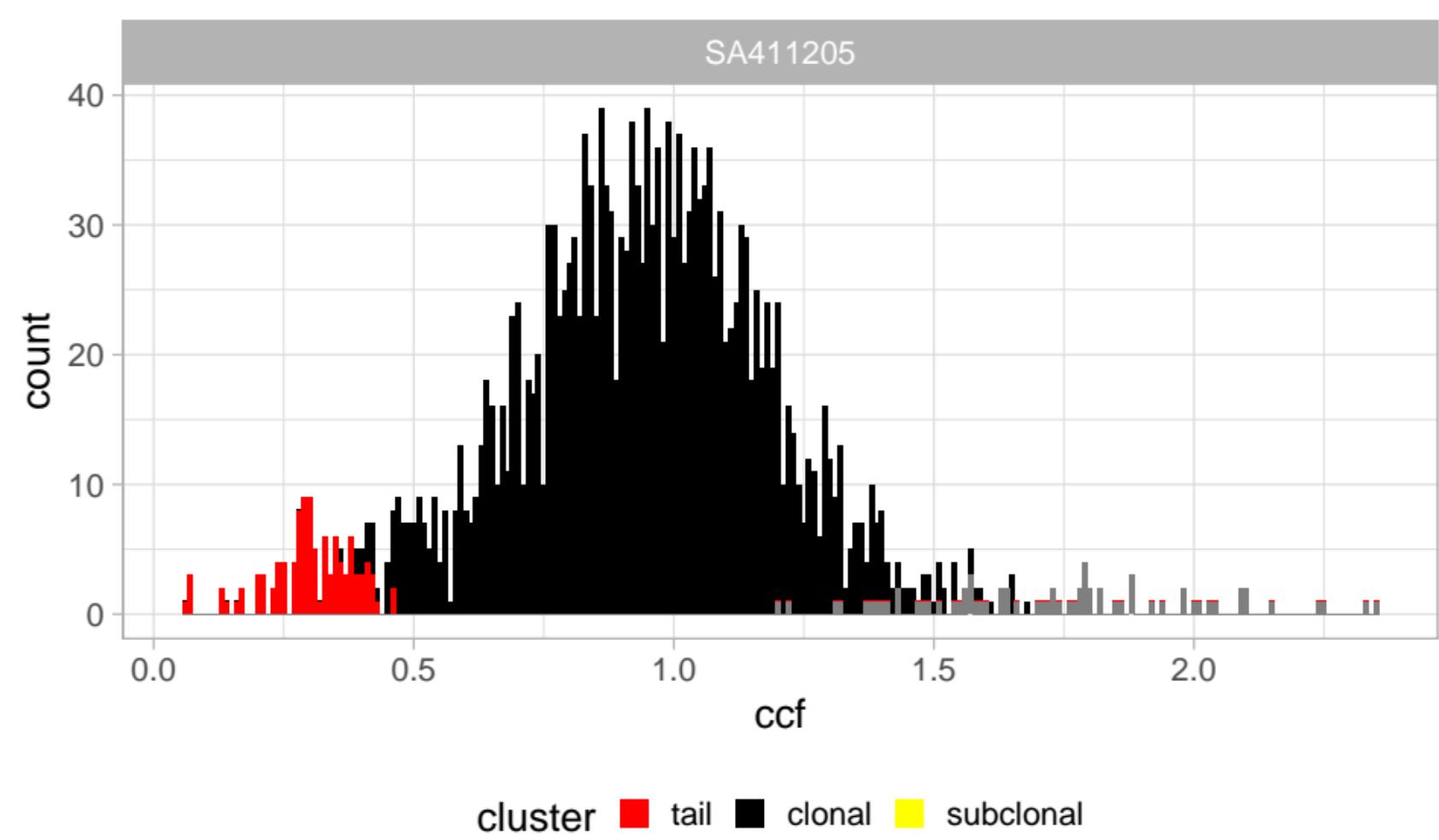
2.0

ccf

cluster tail clonal subclonal

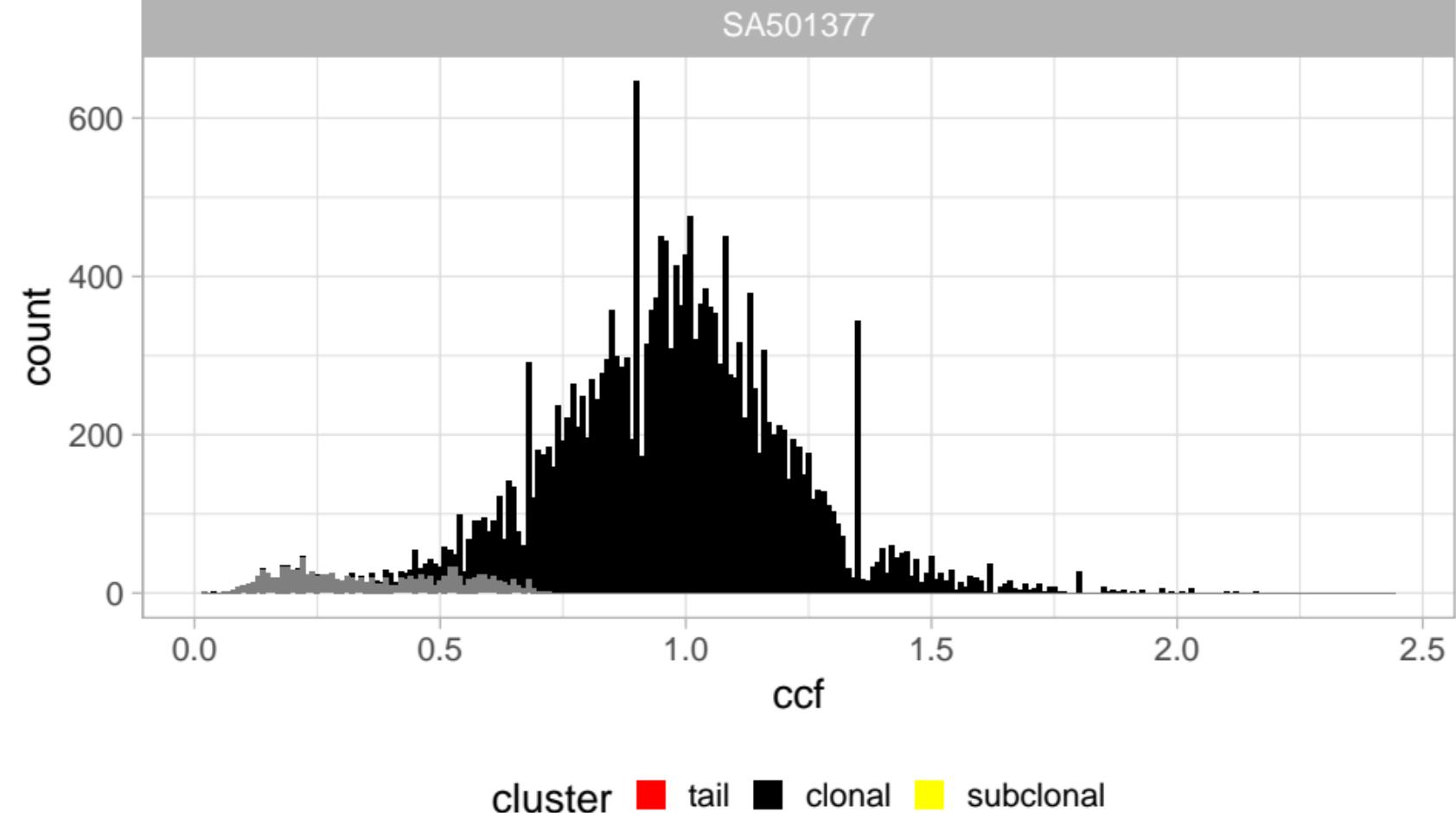


SA411205

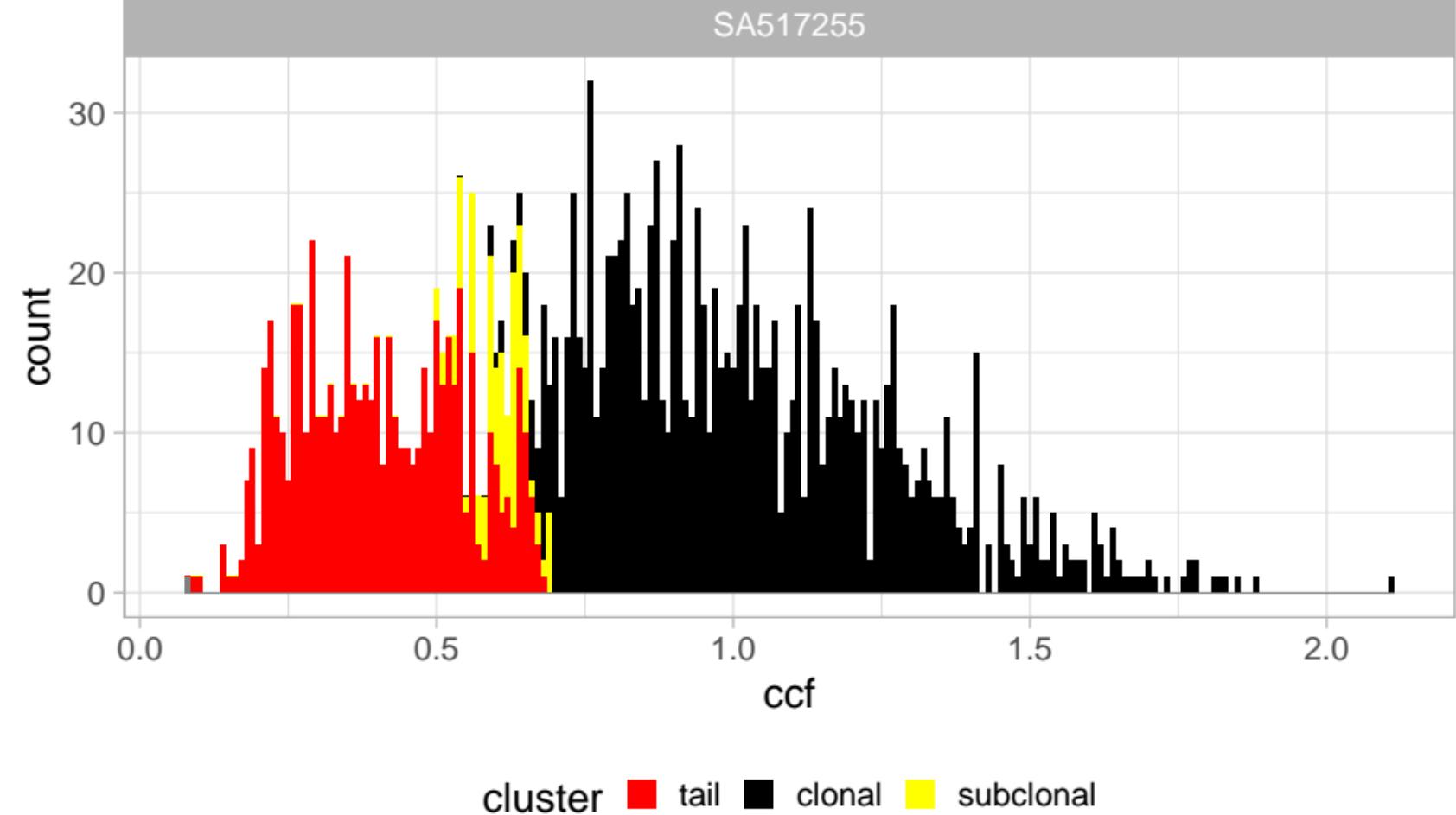


cluster ■ tail ■ clonal ■ subclonal

SA501377



SA517255



SA517287

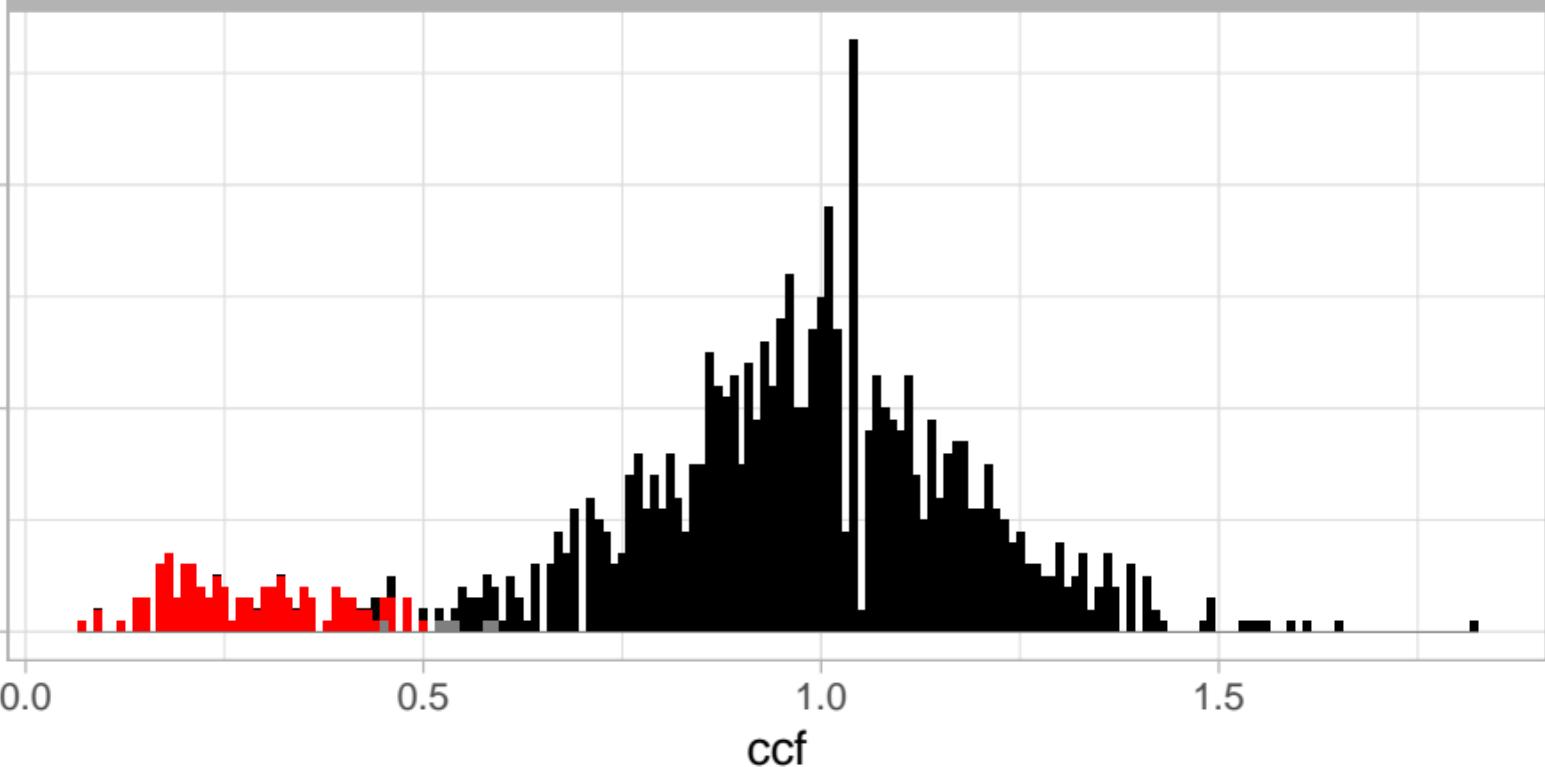
count

40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA410670

count

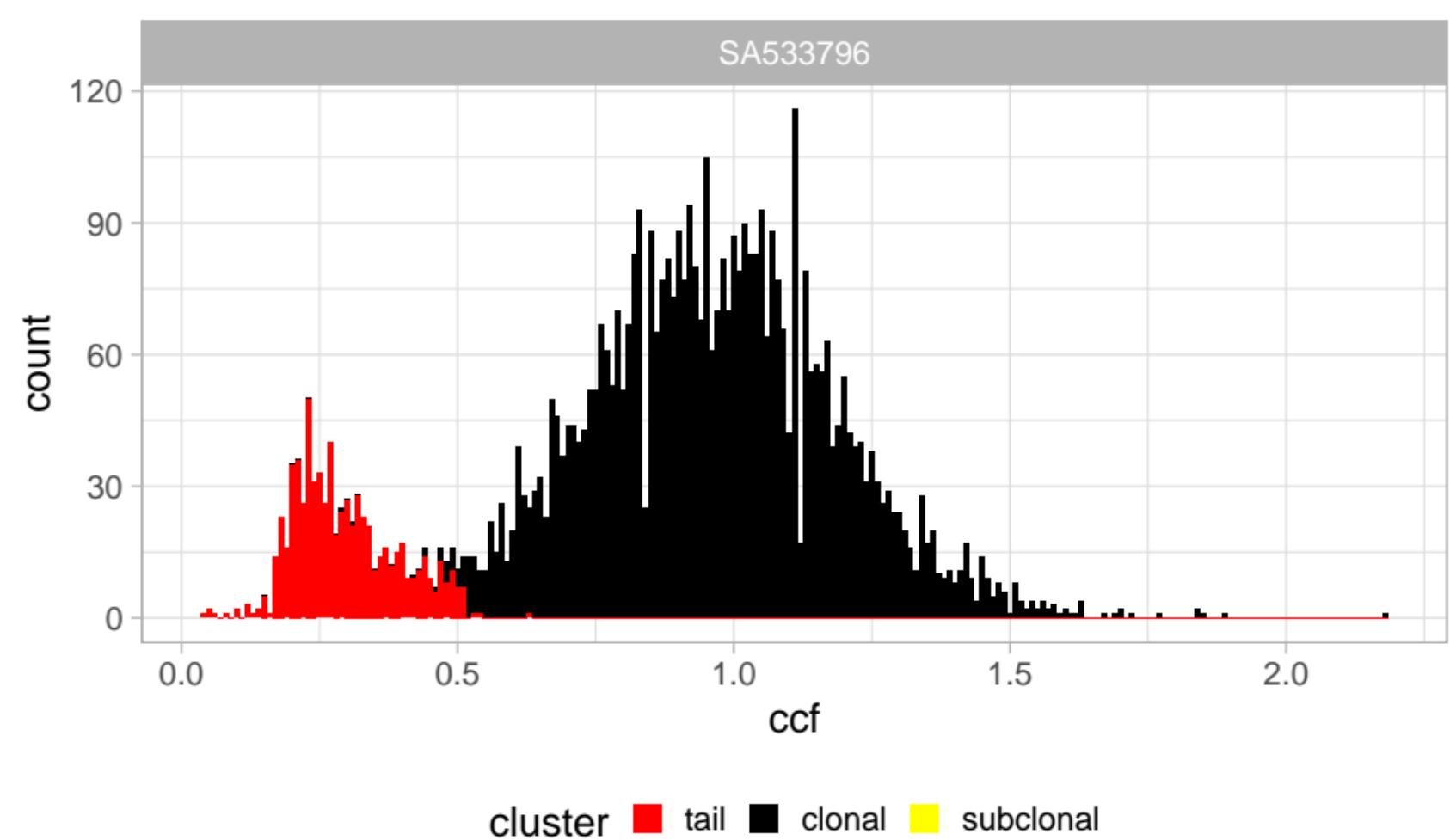
200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

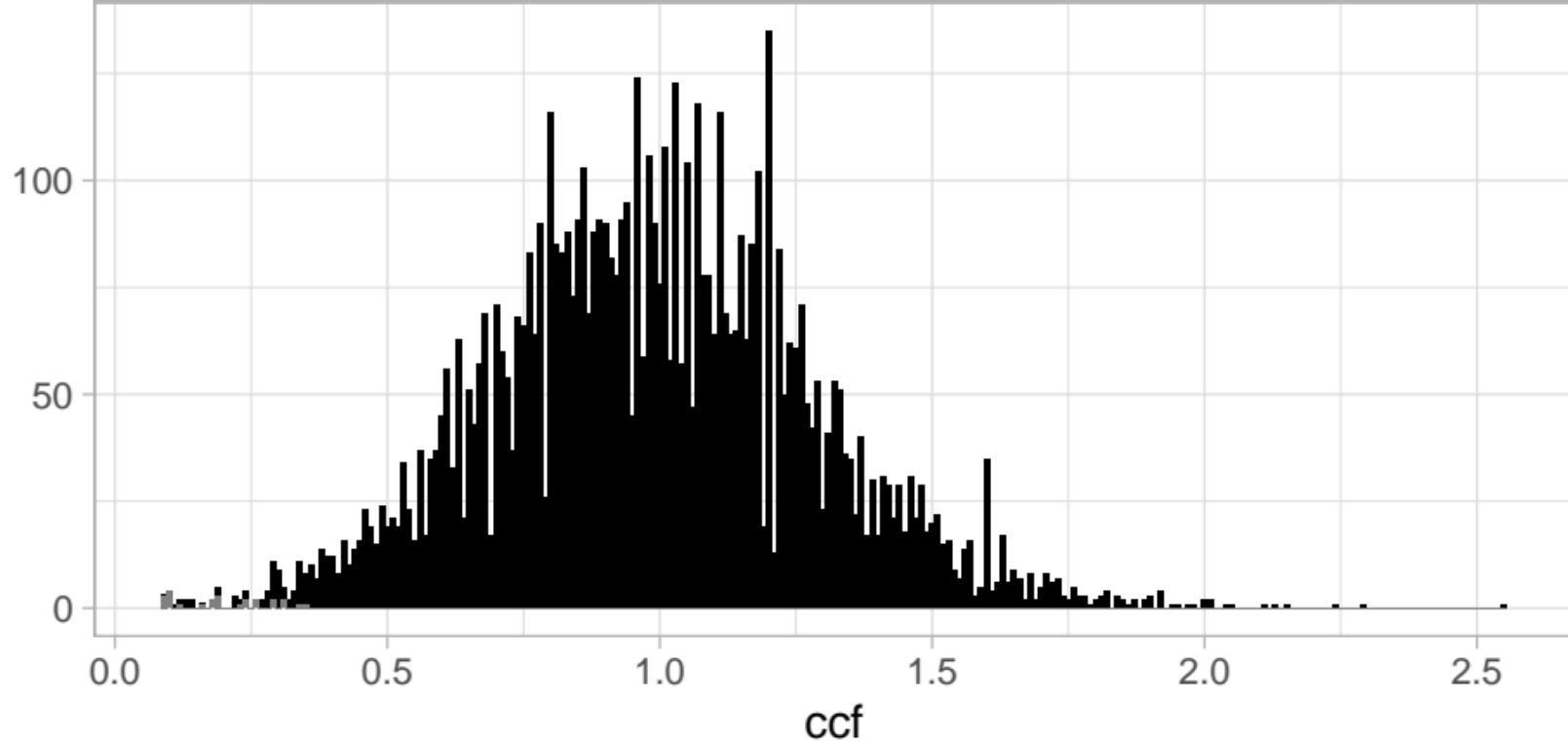
cluster tail clonal subclonal

SA533796



SA505808

count



cluster ■ tail ■ clonal ■ subclonal

SA542388

count

60

40

20

0

0.0

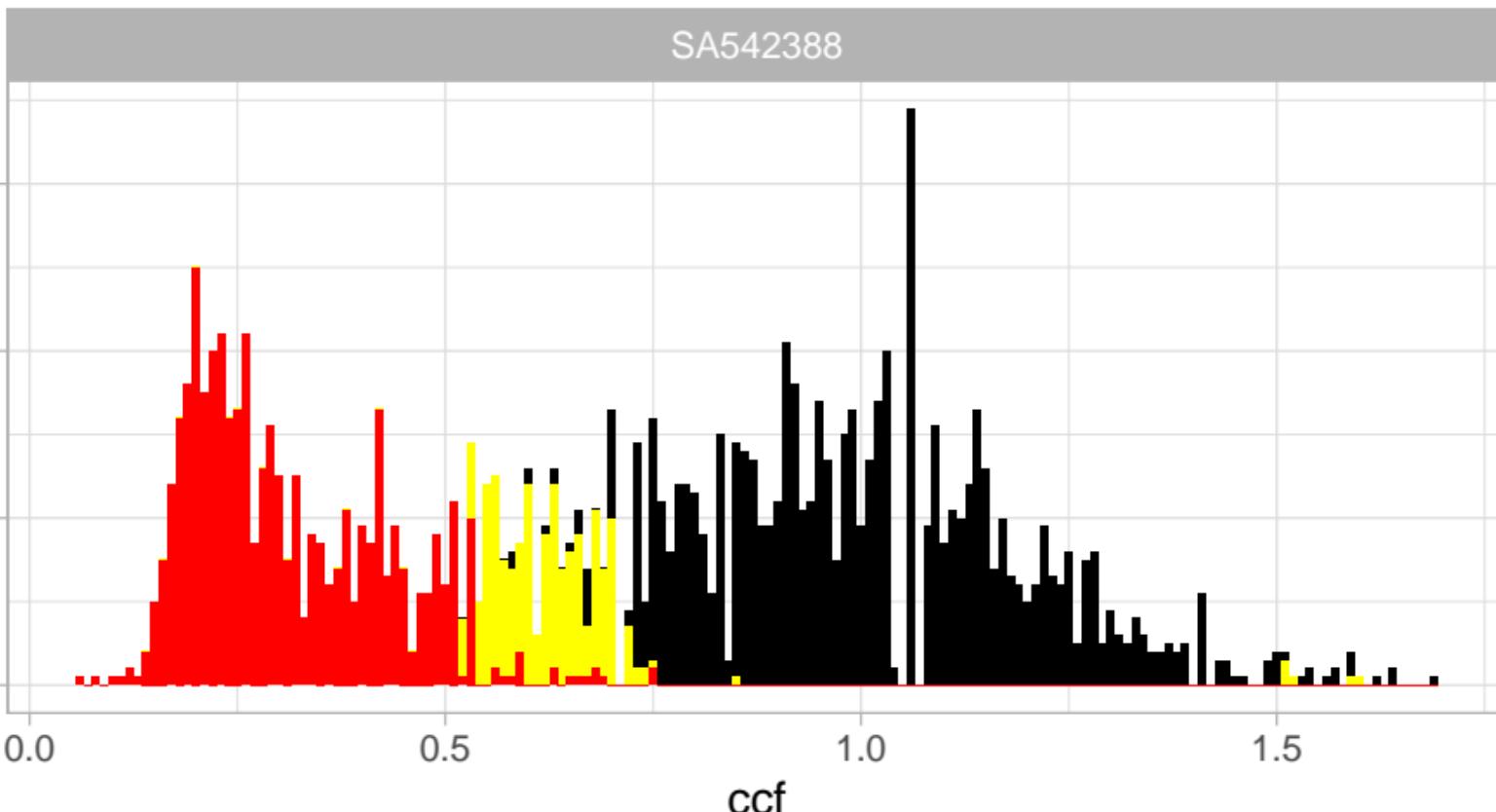
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA542650

count

40
30
20
10
0

0.0

0.5

1.0

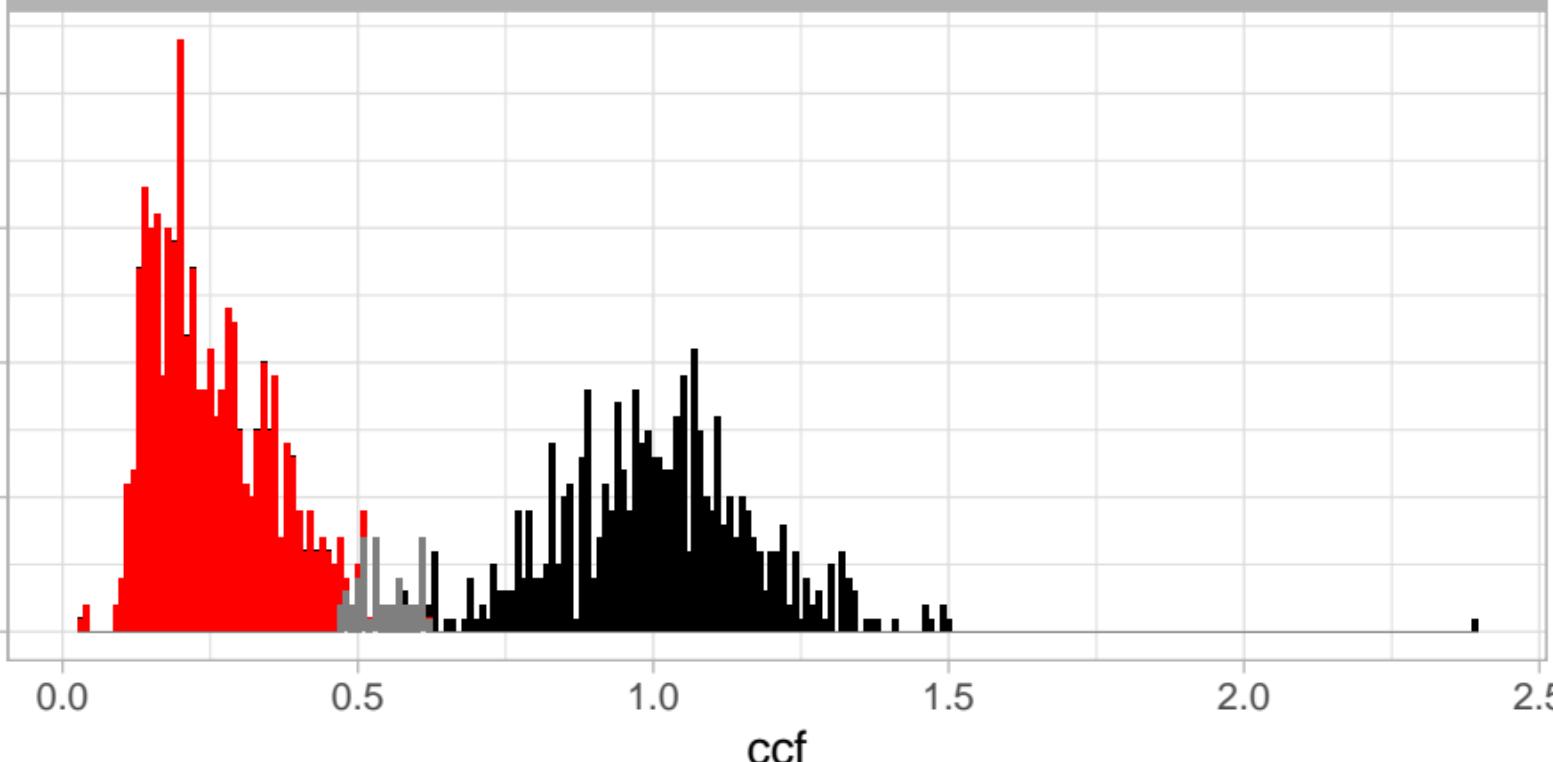
1.5

2.0

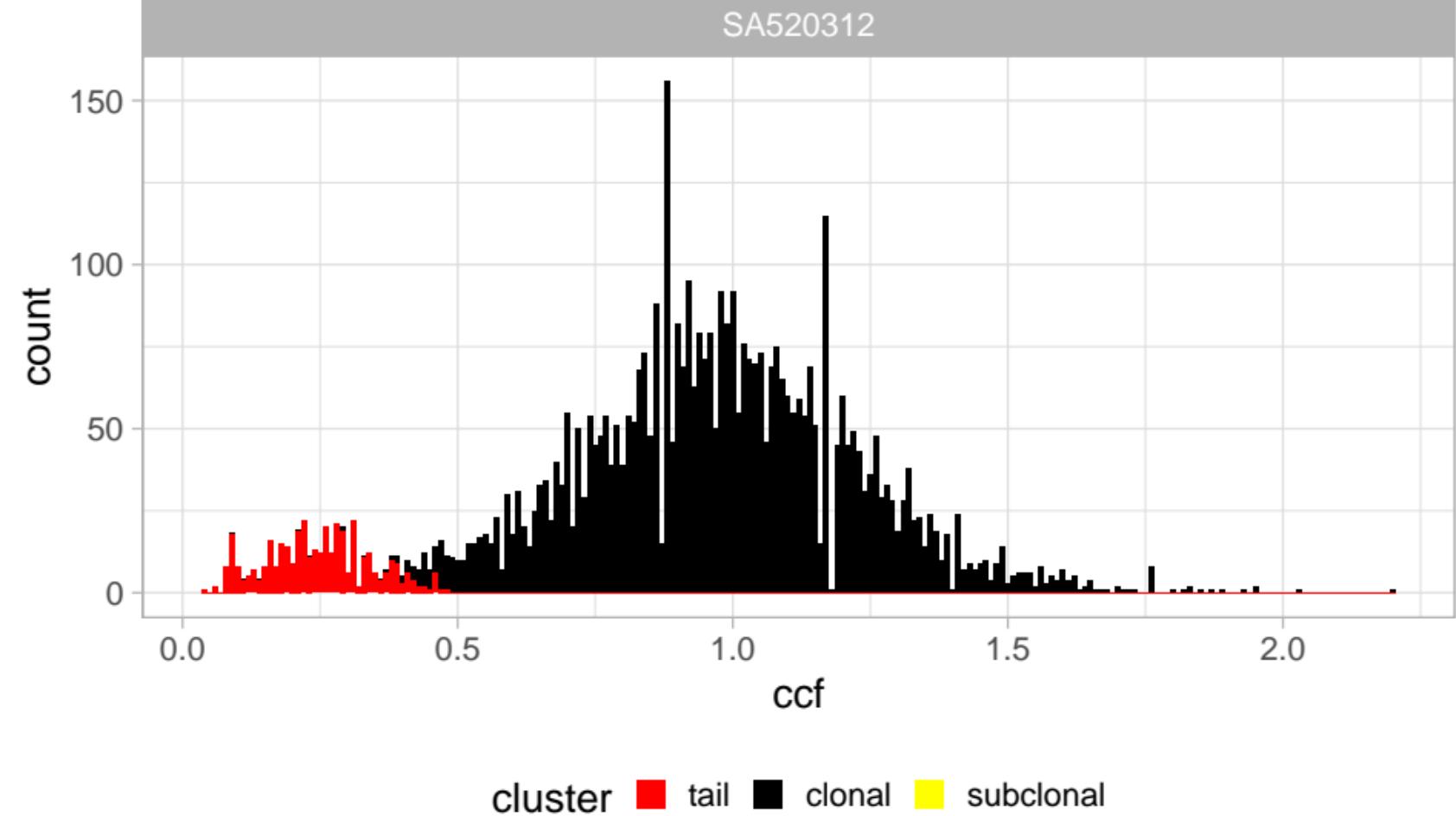
2.5

ccf

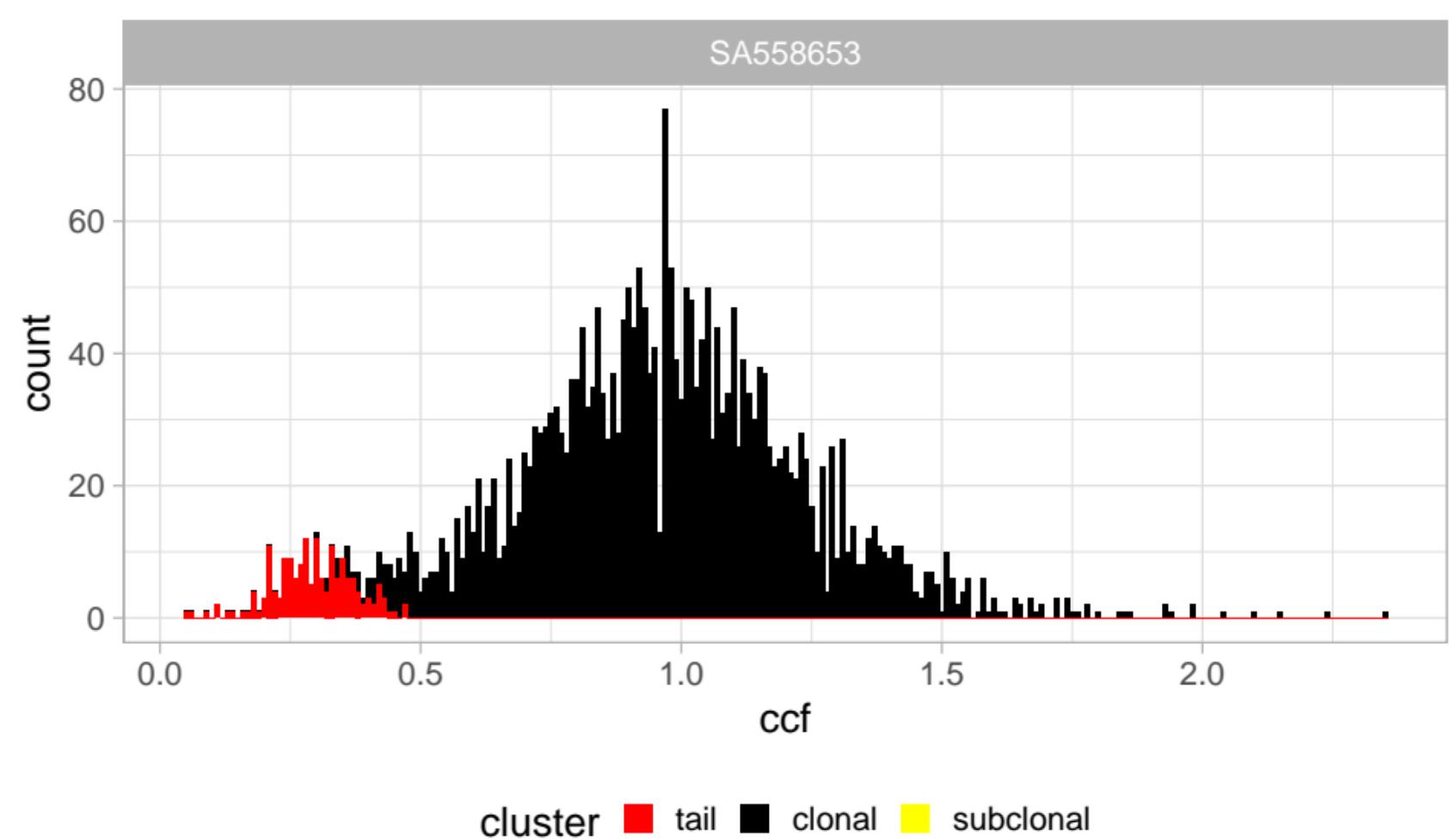
cluster tail clonal subclonal



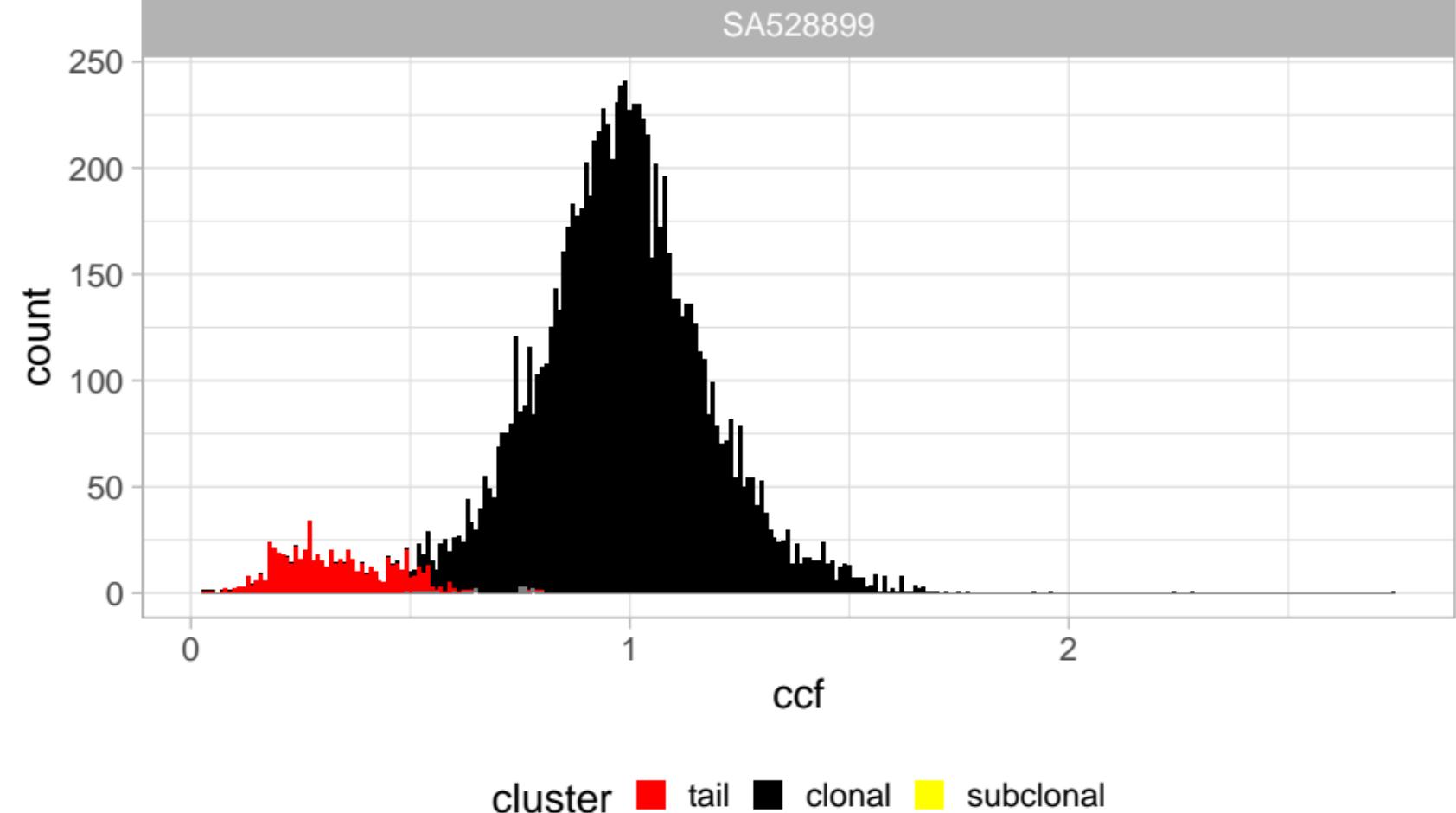
SA520312



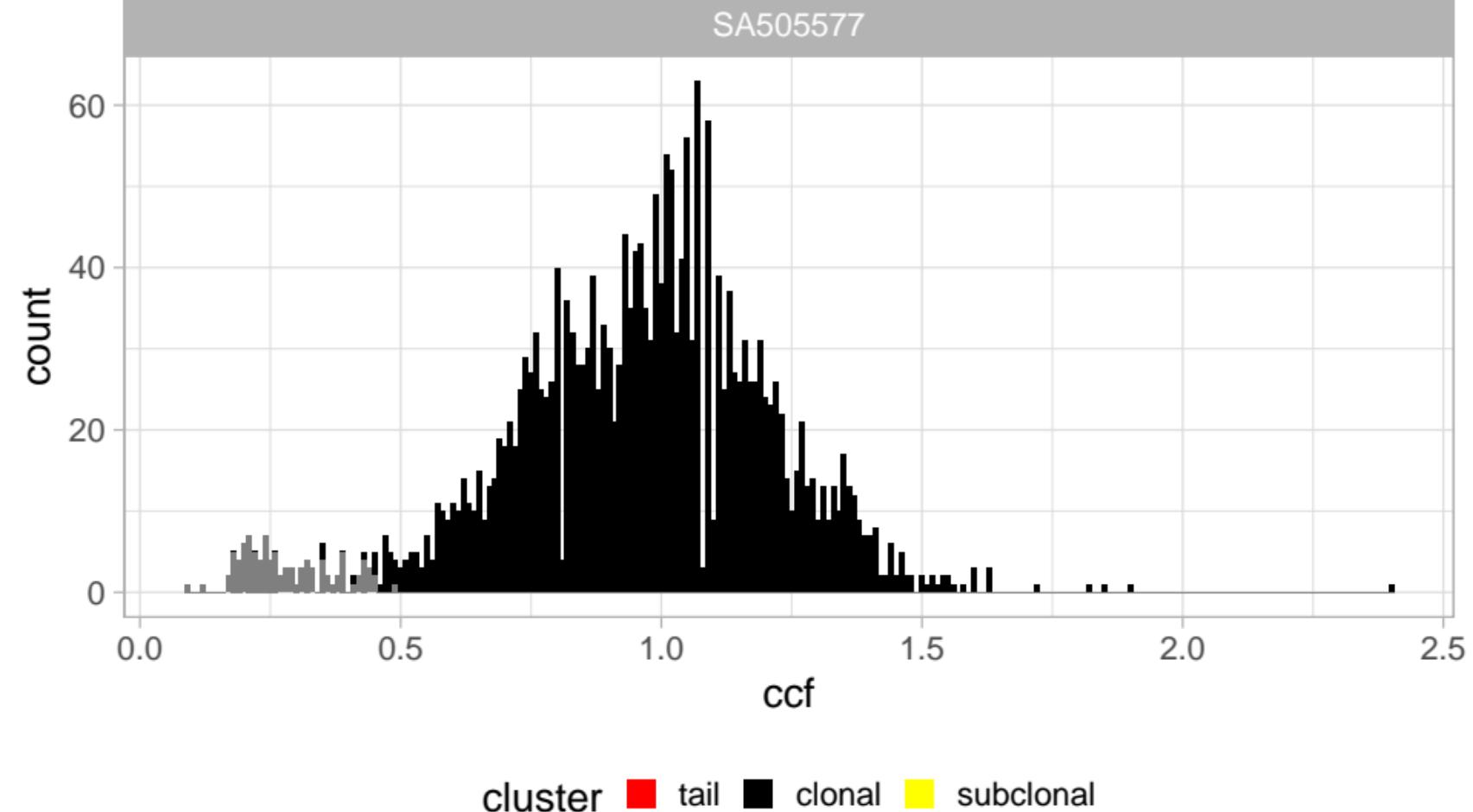
SA558653



SA528899



SA505577



SA507437

count

120

80

40

0

0.0

0.5

1.0

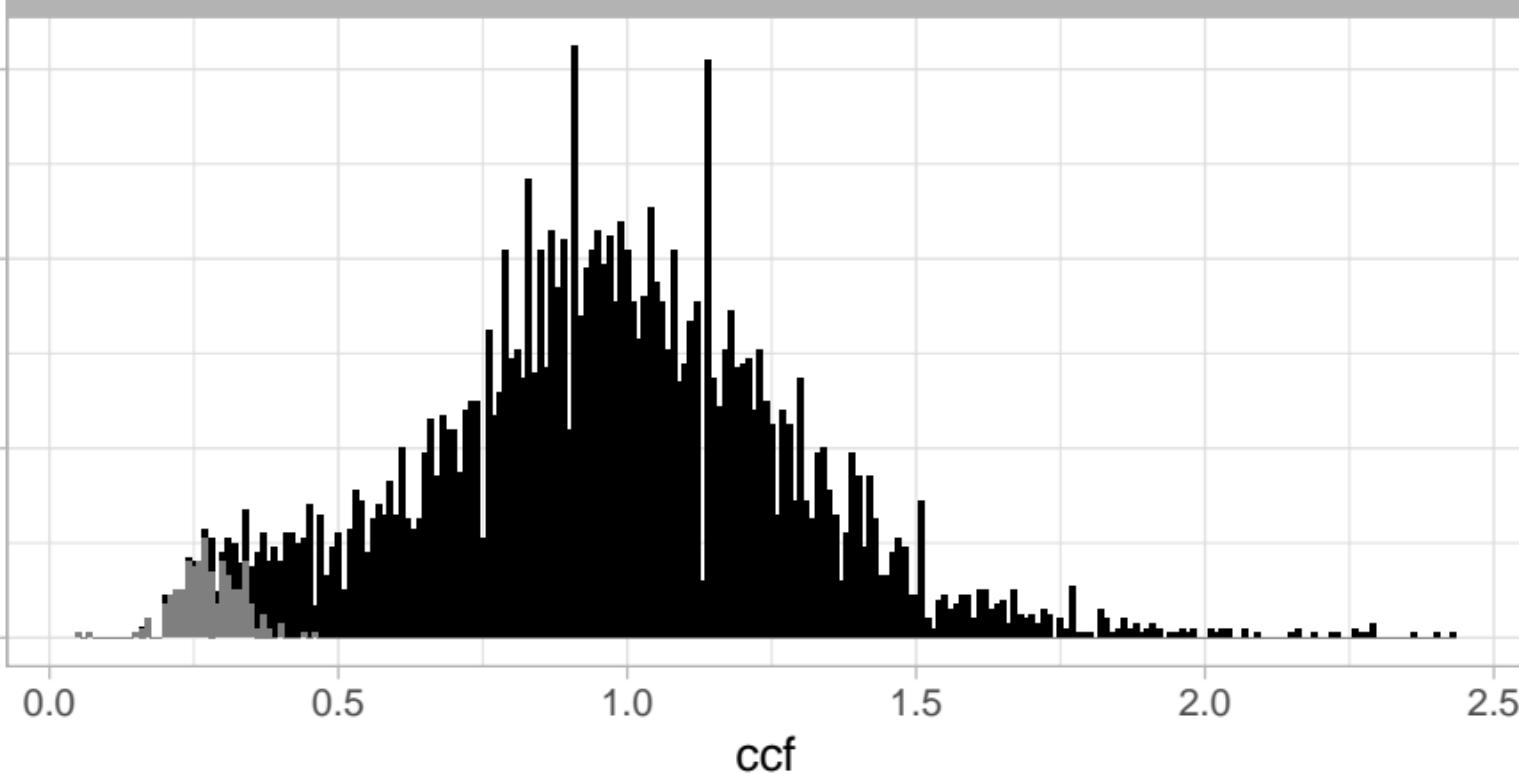
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA321119

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413338

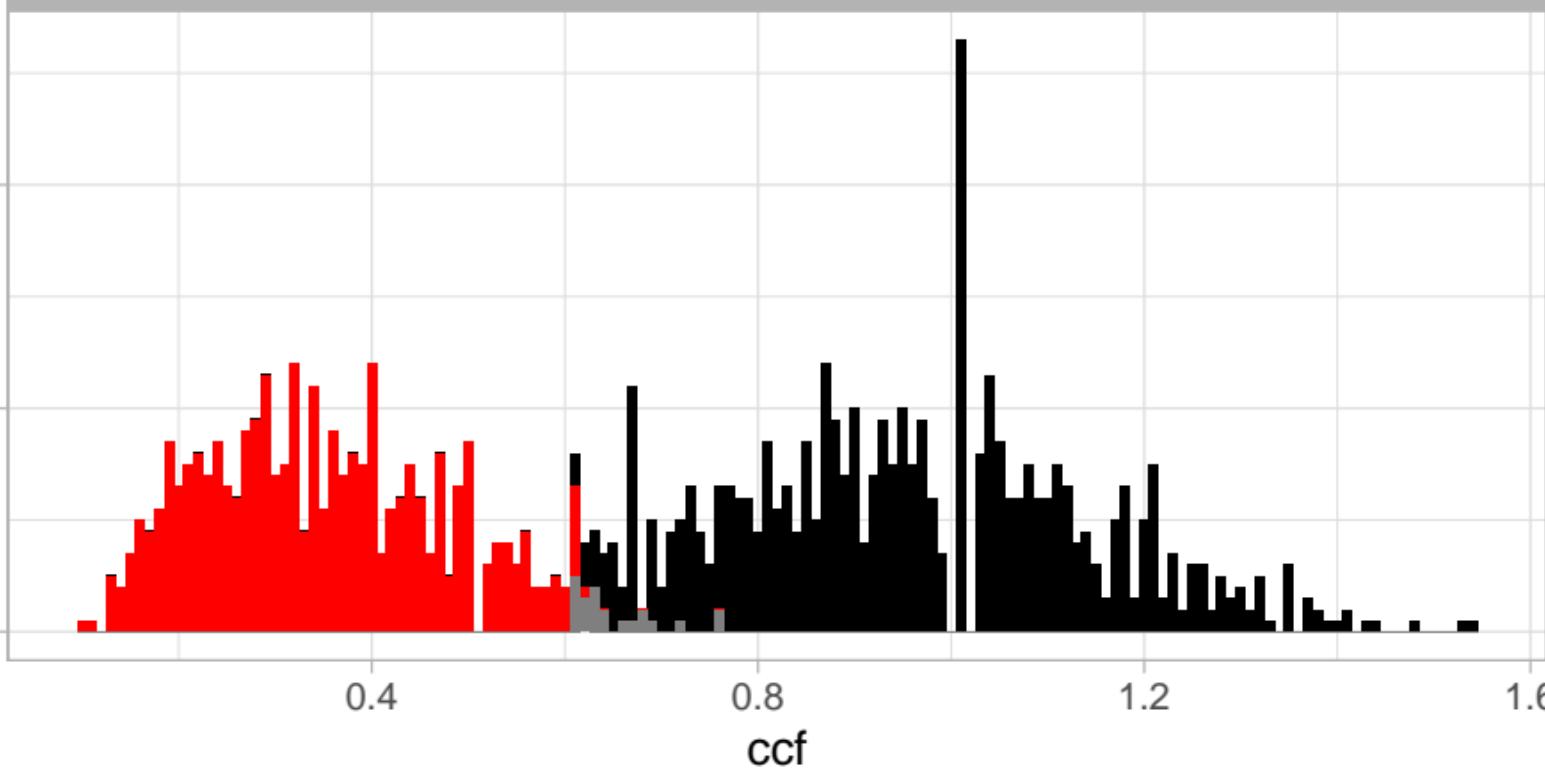
count

40
20
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA507436

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA530646

count

40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA413912

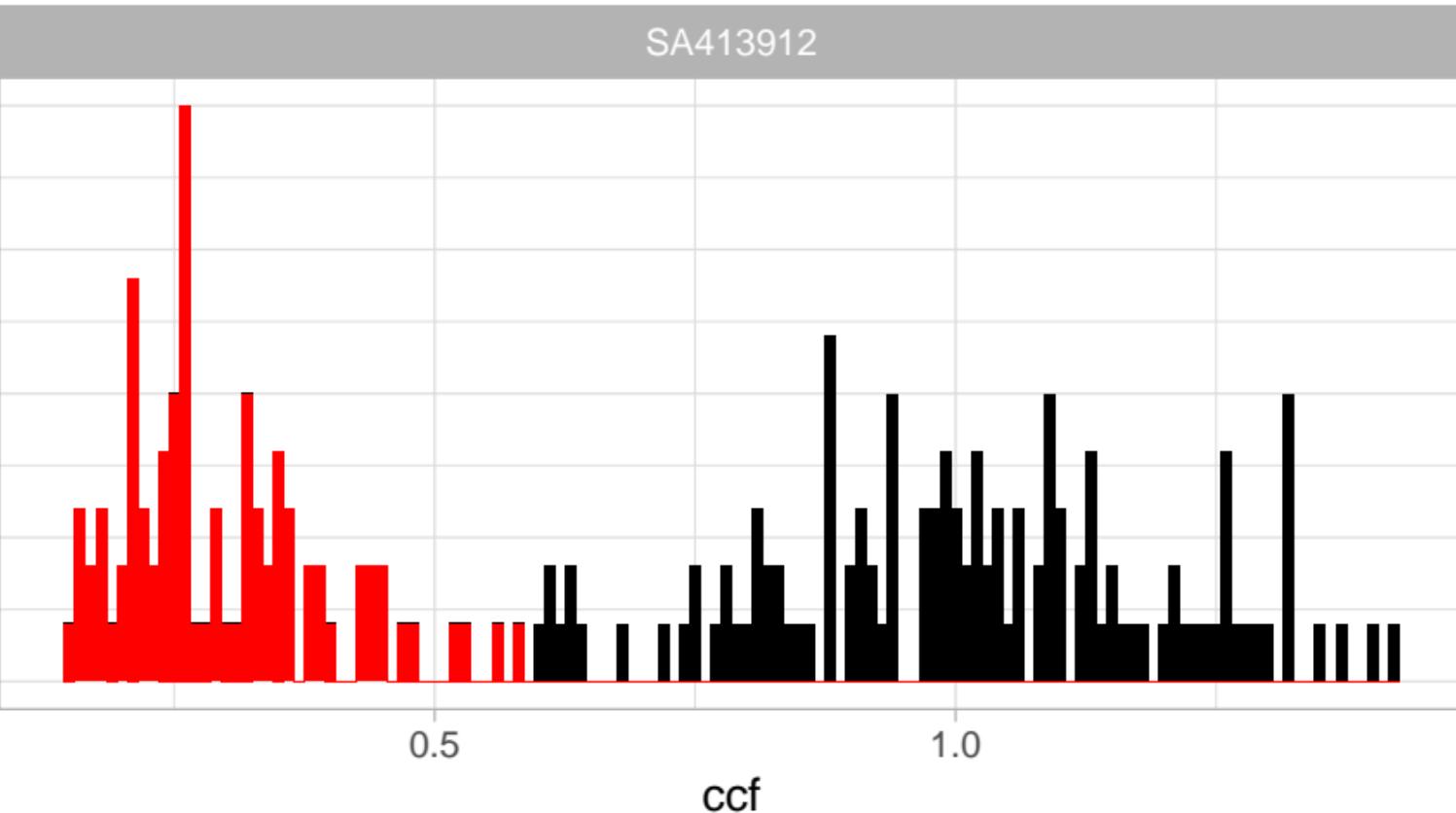
count

10.0
7.5
5.0
2.5
0.0

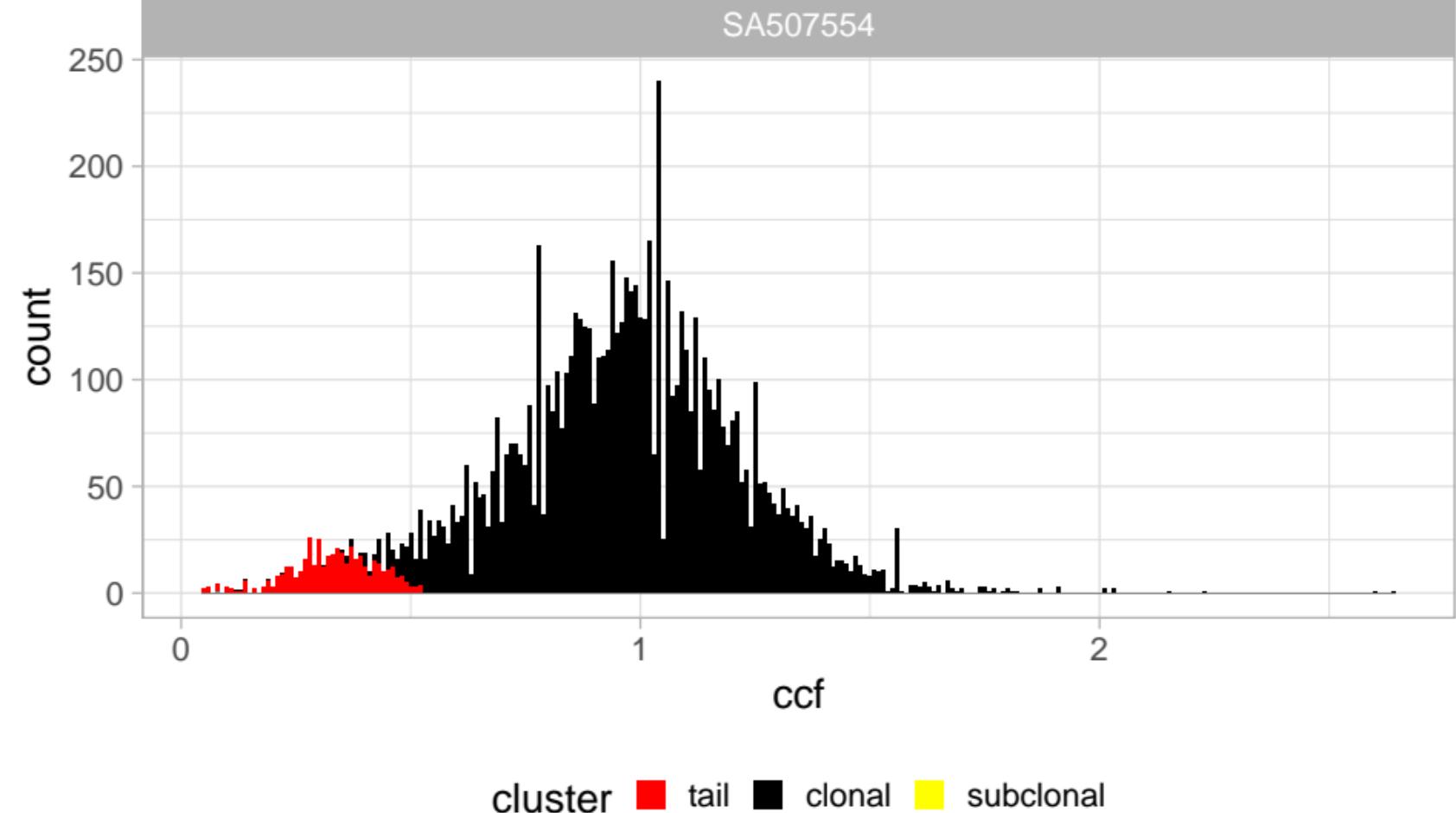
0.5

ccf

cluster ■ tail ■ clonal ■ subclonal

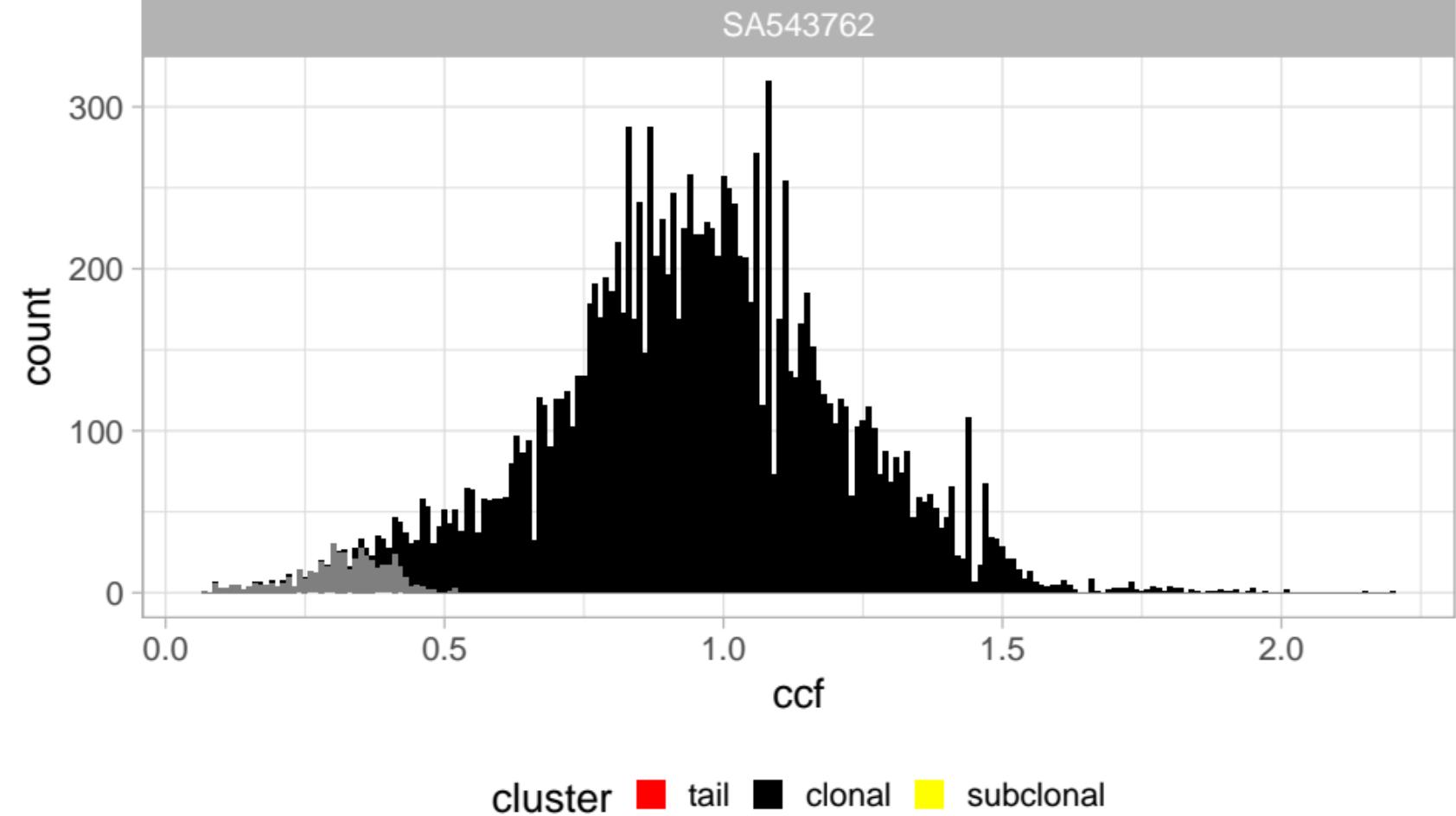


SA507554



cluster ■ tail ■ clonal ■ subclonal

SA543762



SA413566

count

7.5
5.0
2.5
0.0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal

SA411225

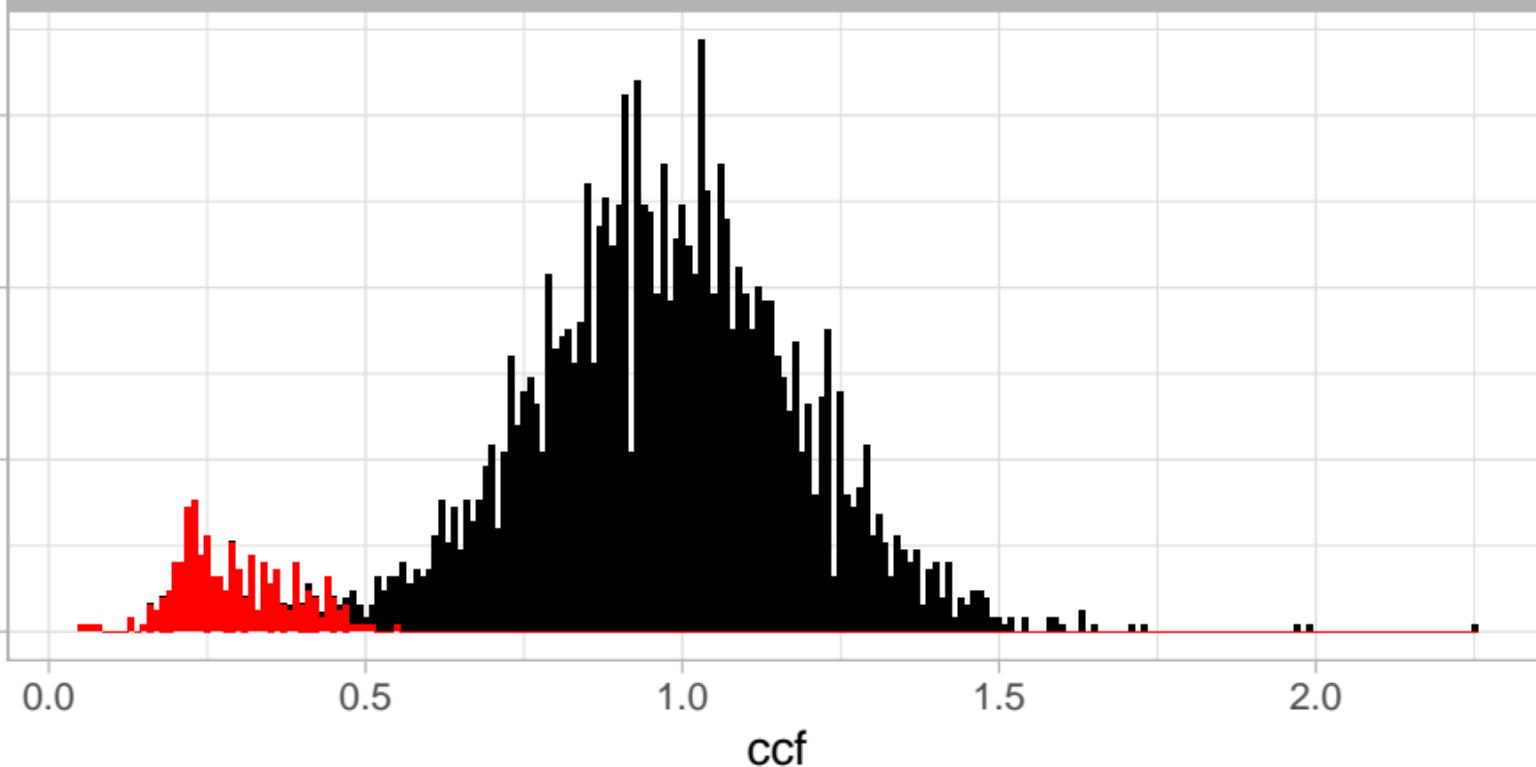
count

75
50
25
0

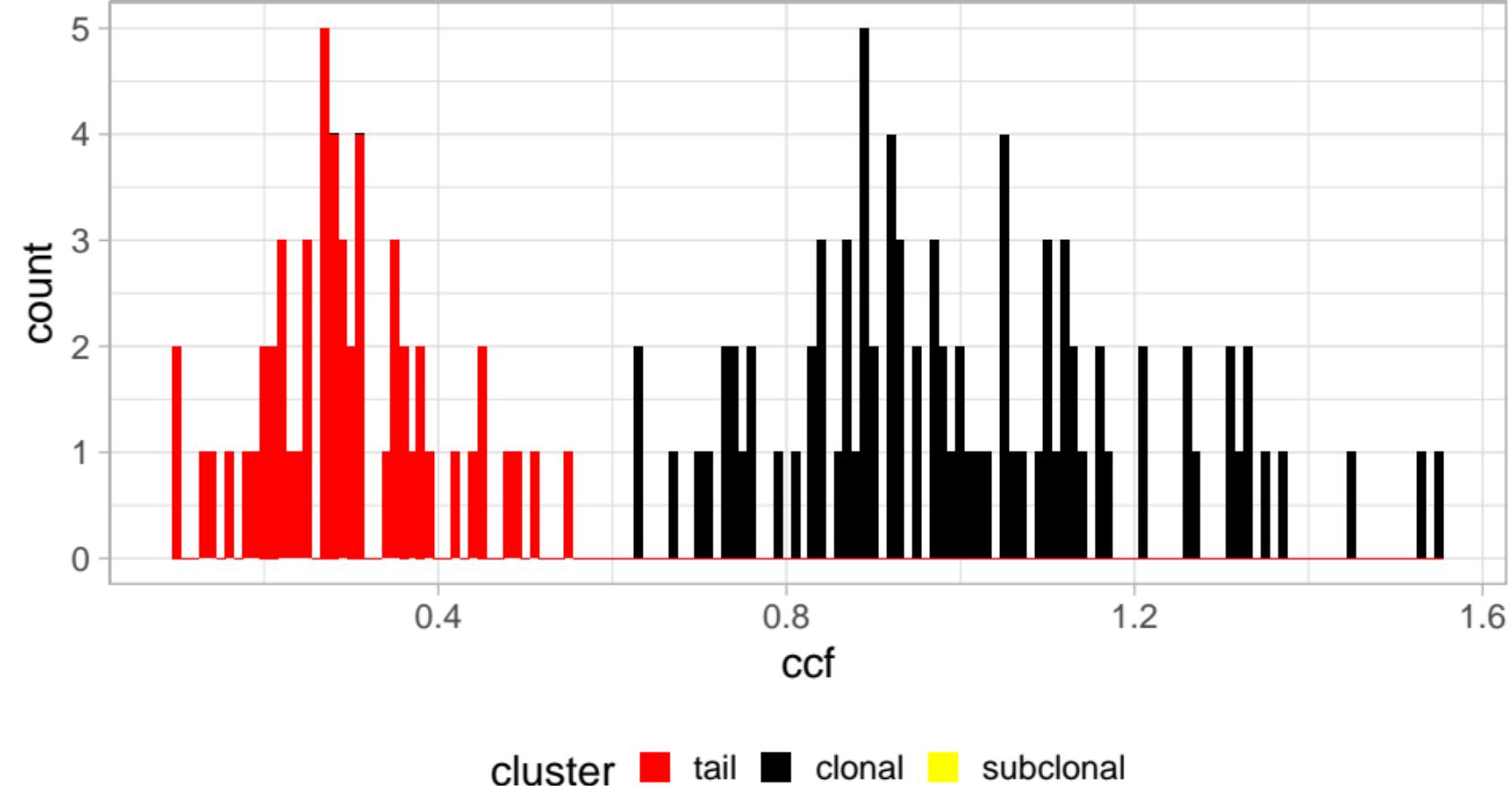
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413602



SA505389

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA407982

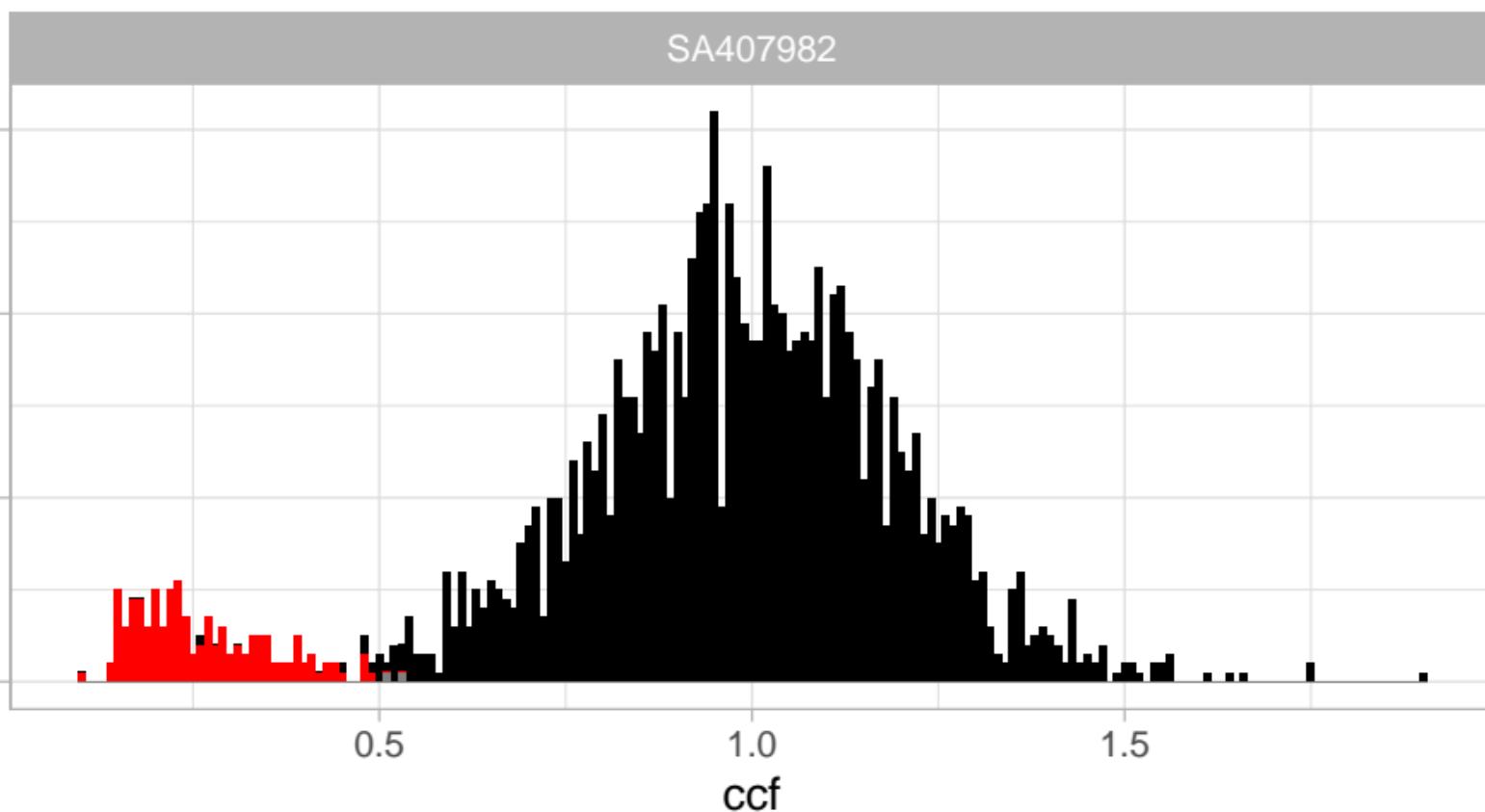
count

60
40
20
0

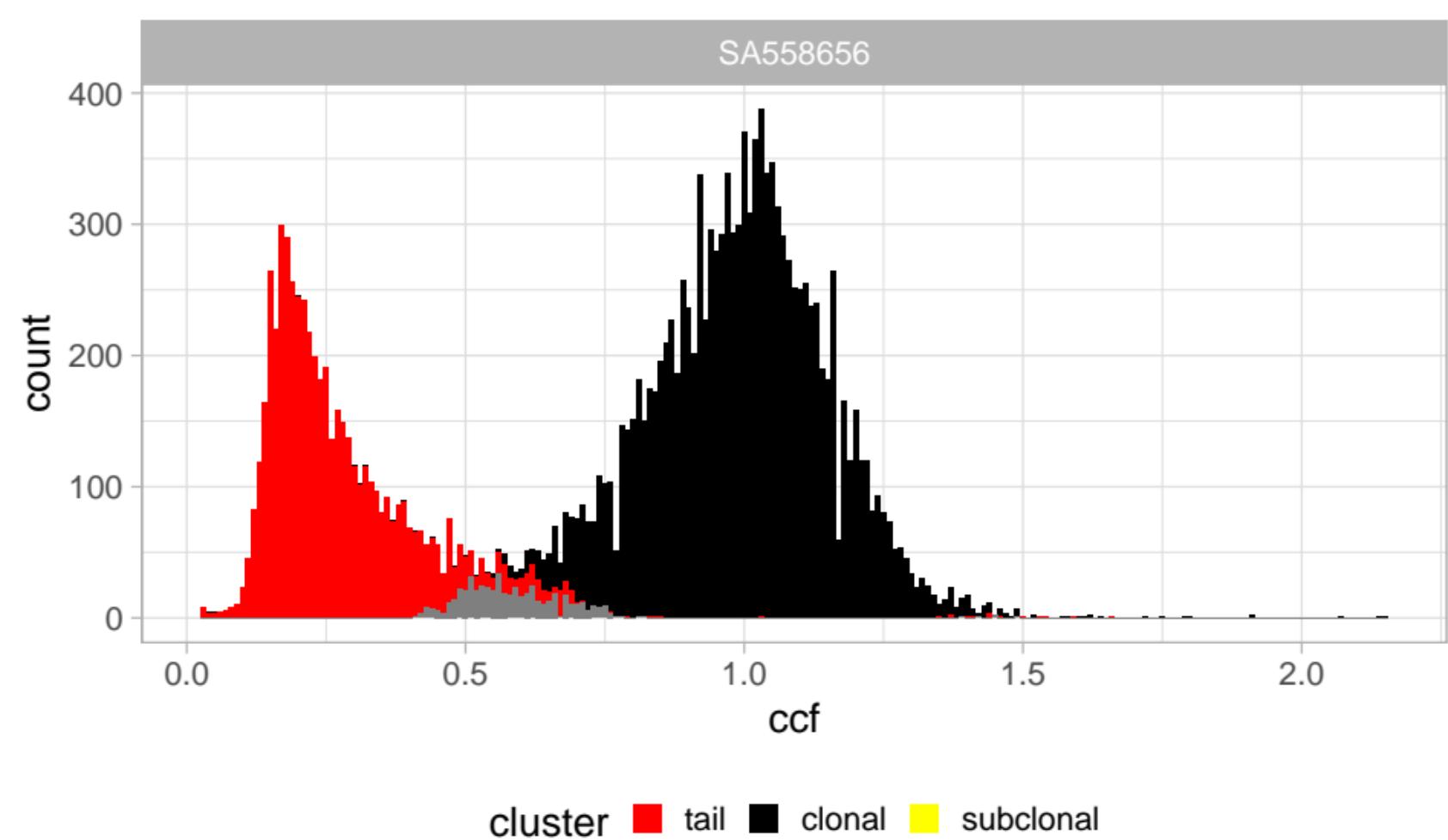
0.5 1.0 1.5

ccf

cluster tail clonal subclonal

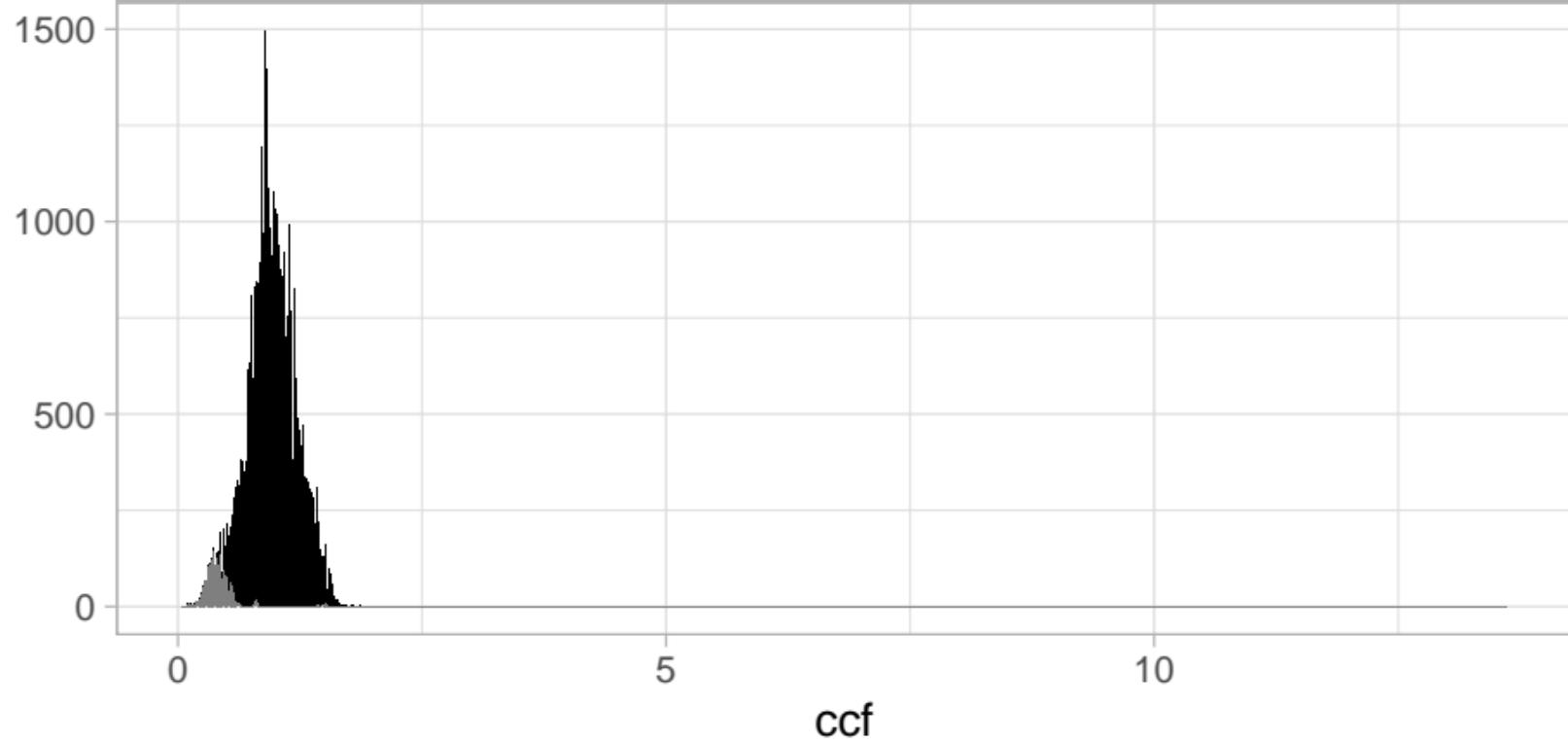


SA558656



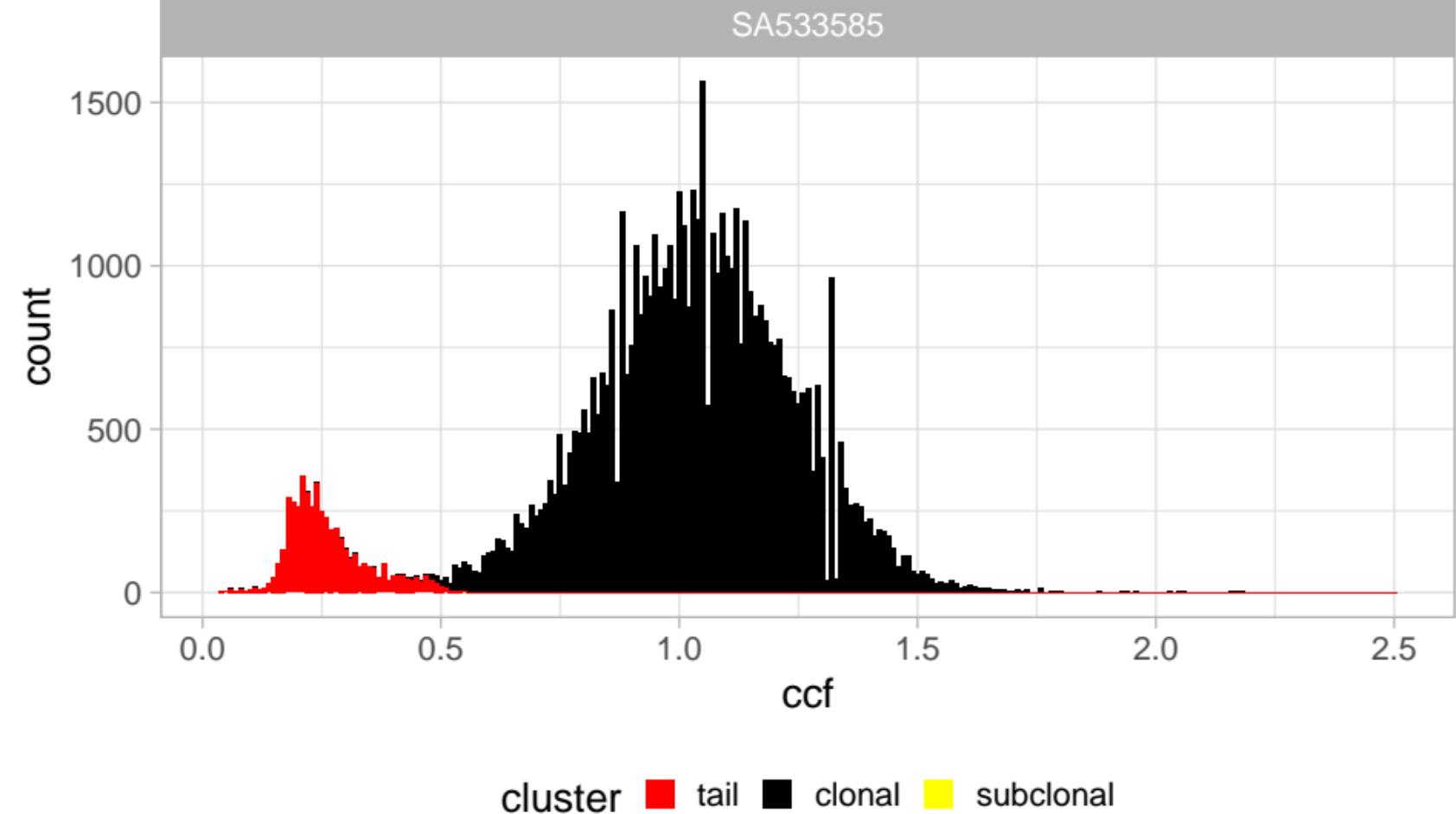
SA505825

count



cluster ■ tail ■ clonal ■ subclonal

SA533585



SA413730

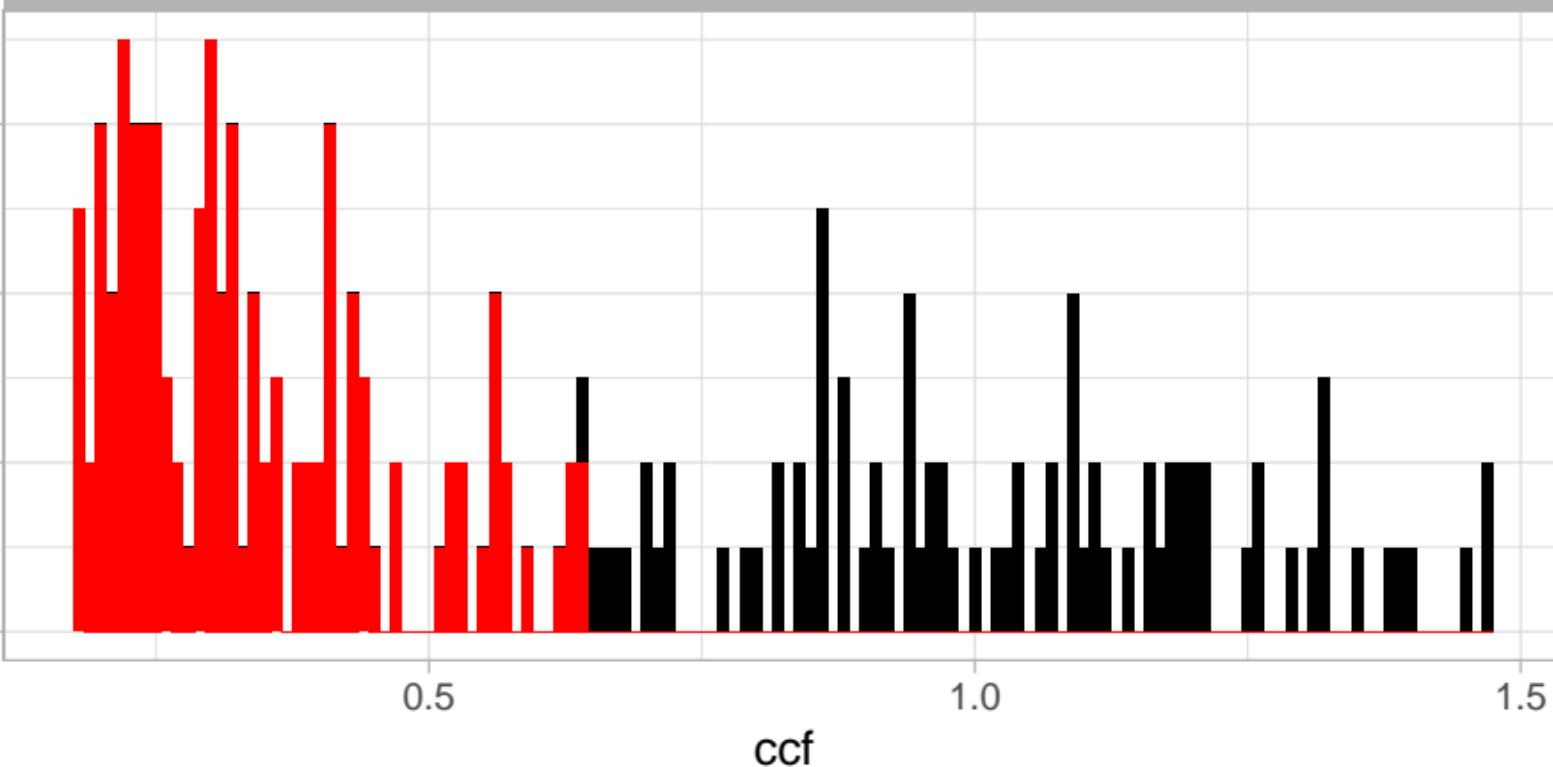
count

6
4
2
0

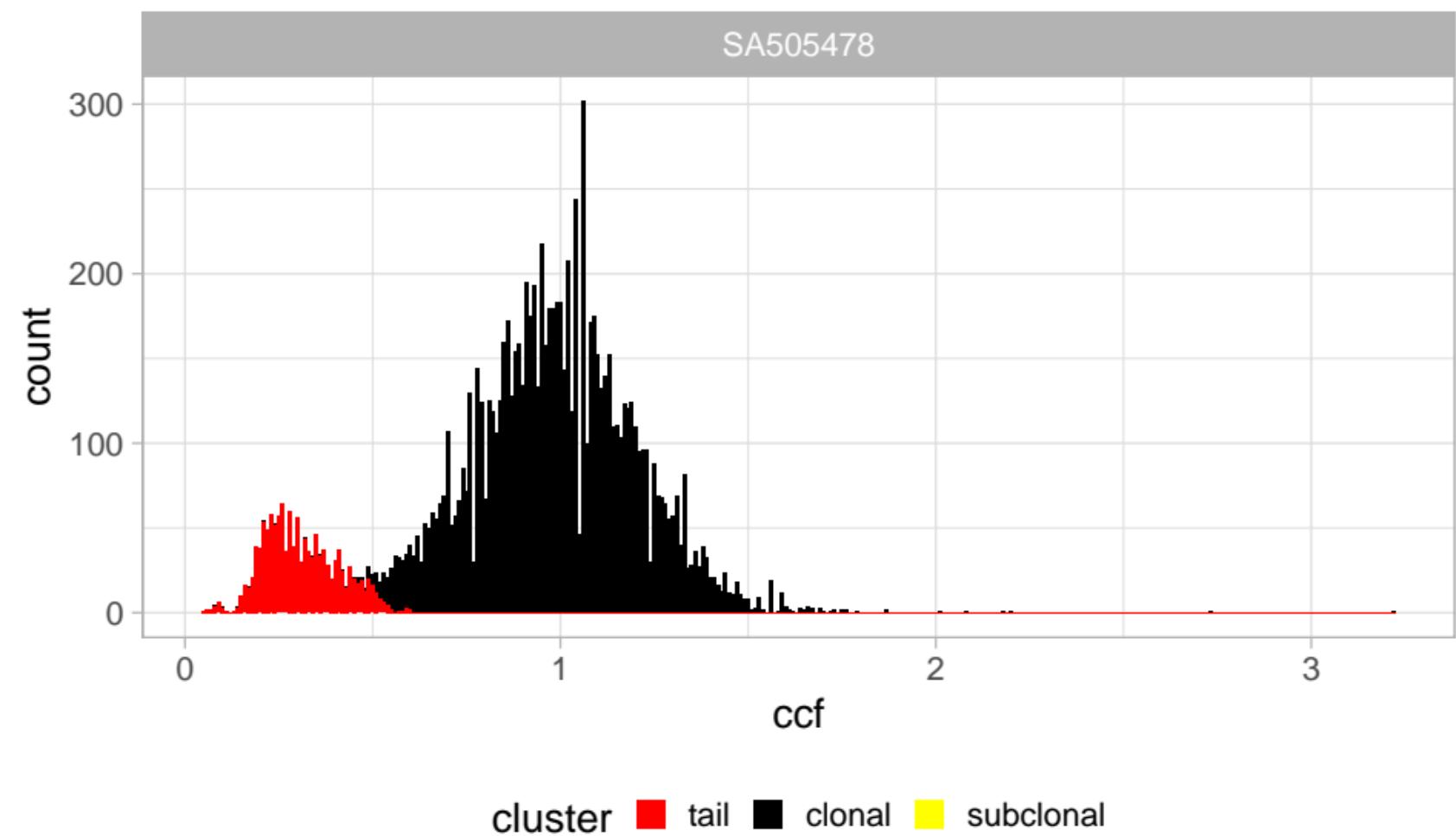
0.5 1.0 1.5

ccf

cluster tail clonal subclonal

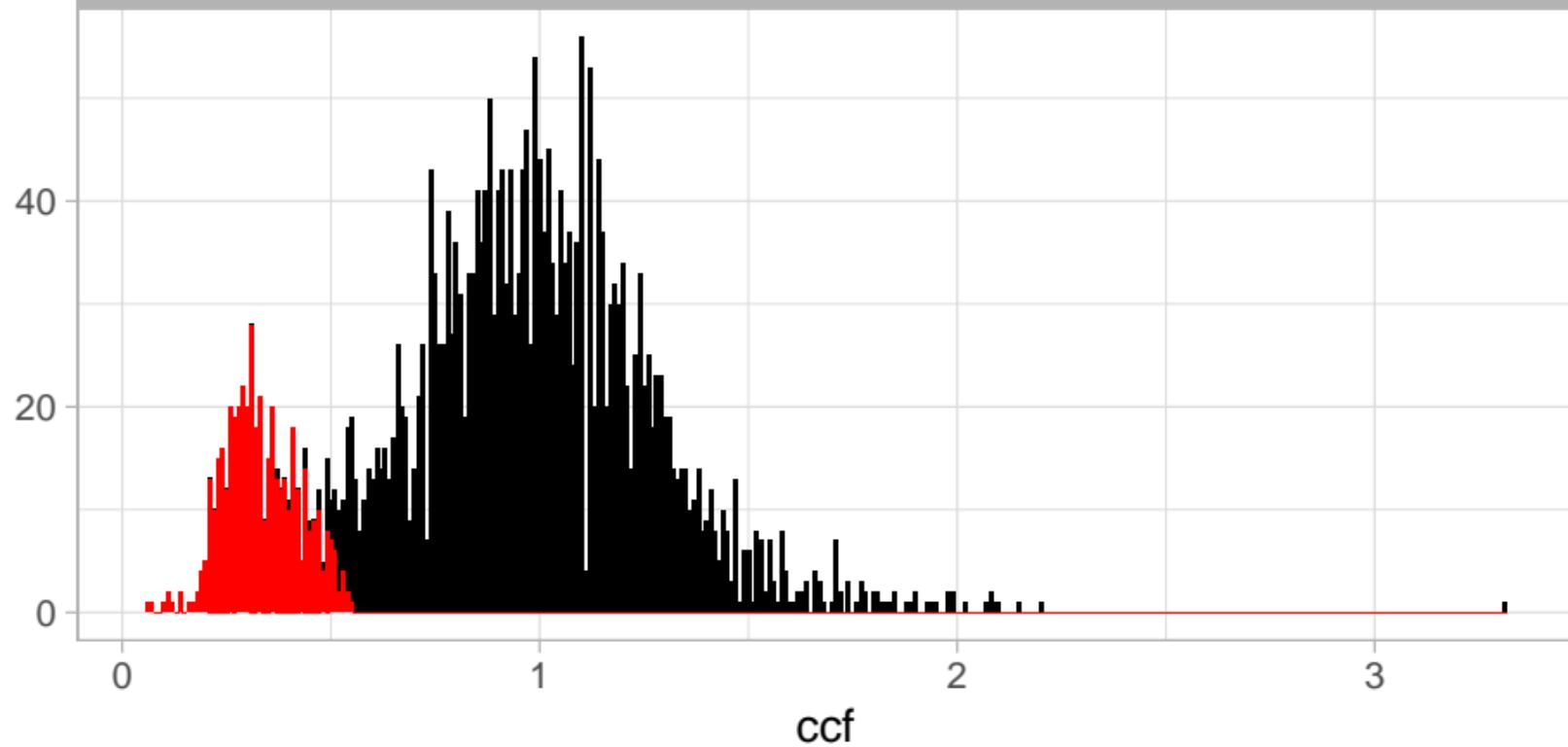


SA505478



SA530462

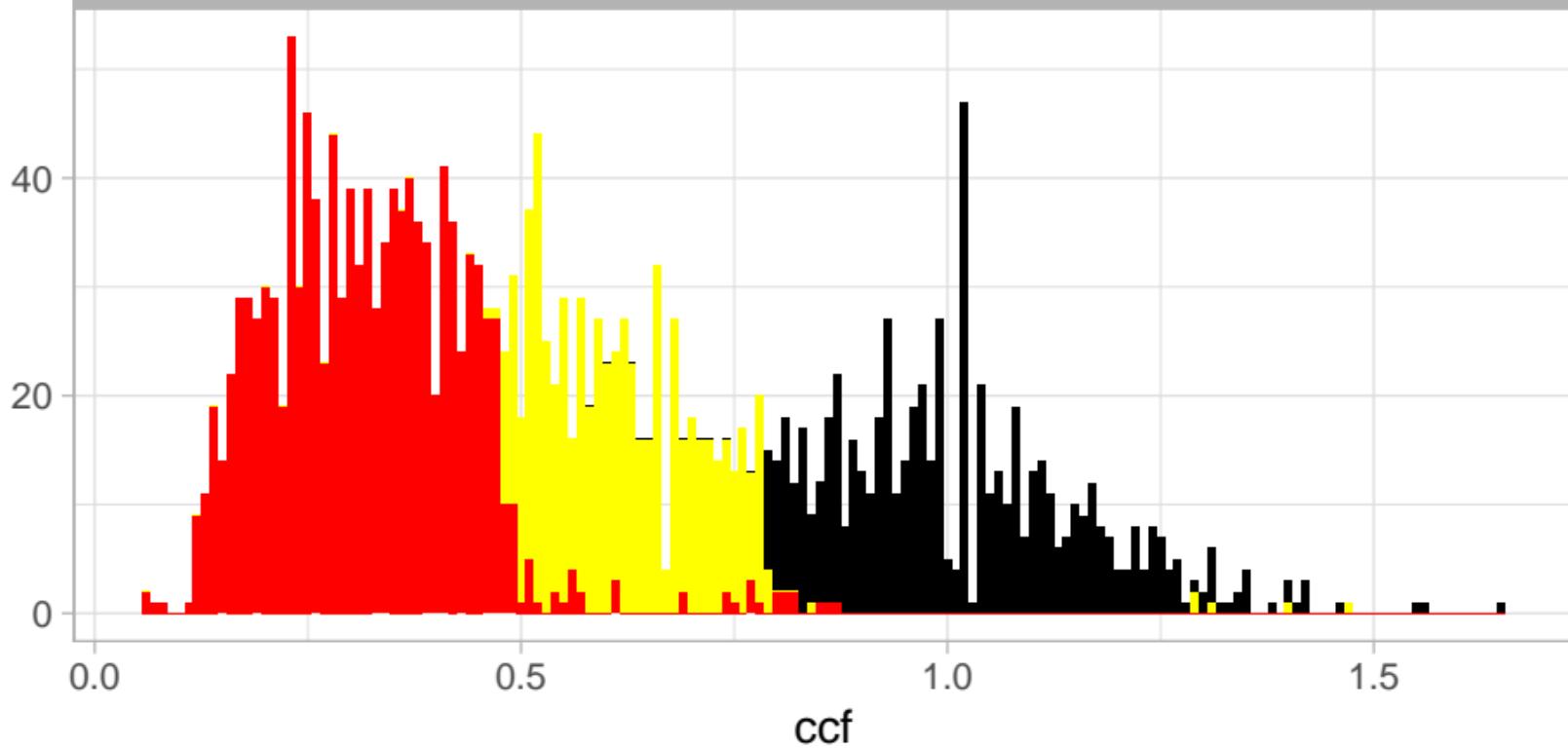
count



cluster ■ tail ■ clonal ■ subclonal

SA542171

count



cluster tail clonal subclonal

SA557459

count

3000
2000
1000
0

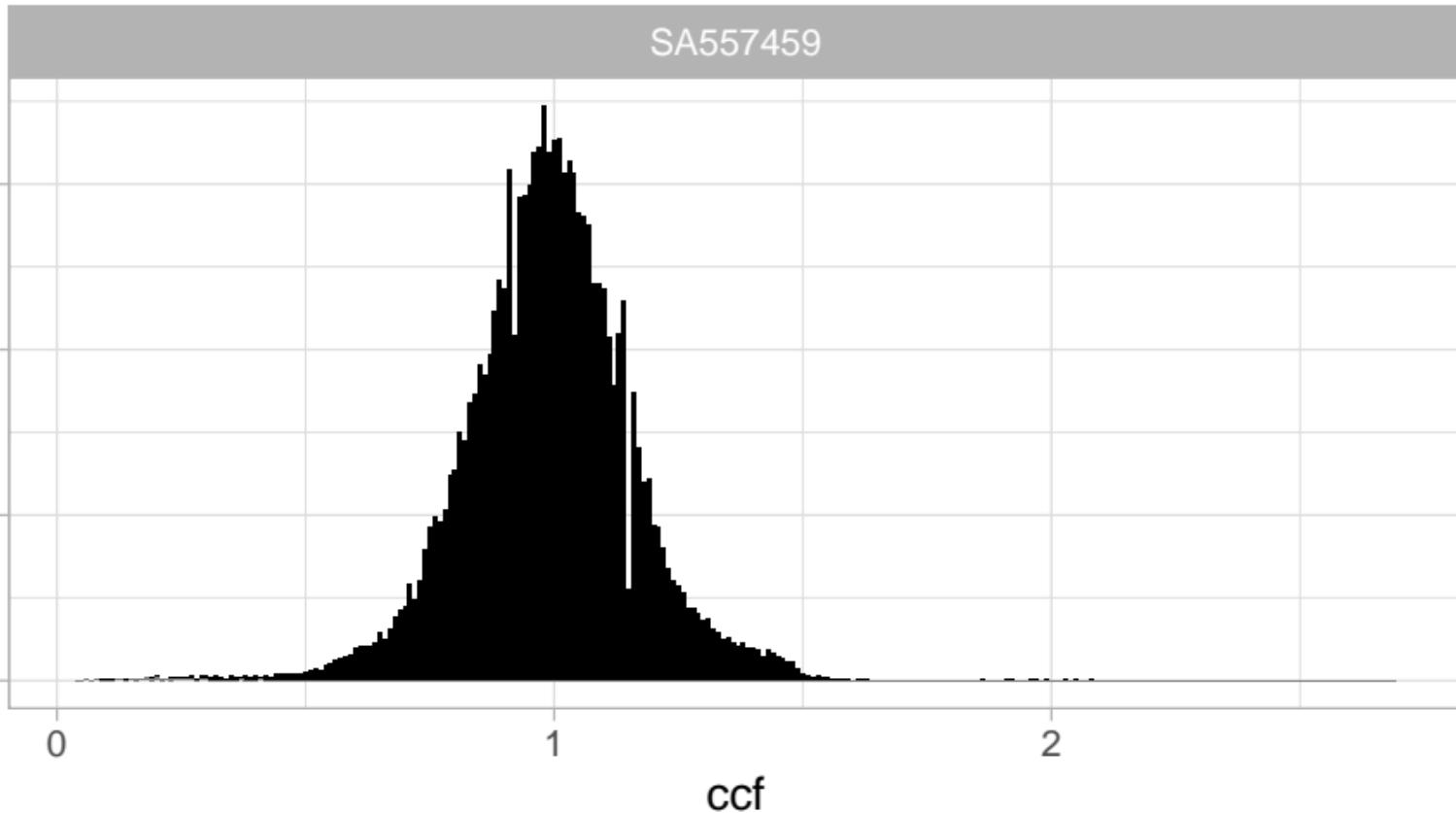
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA557522

count

200
150
100
50
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA517259

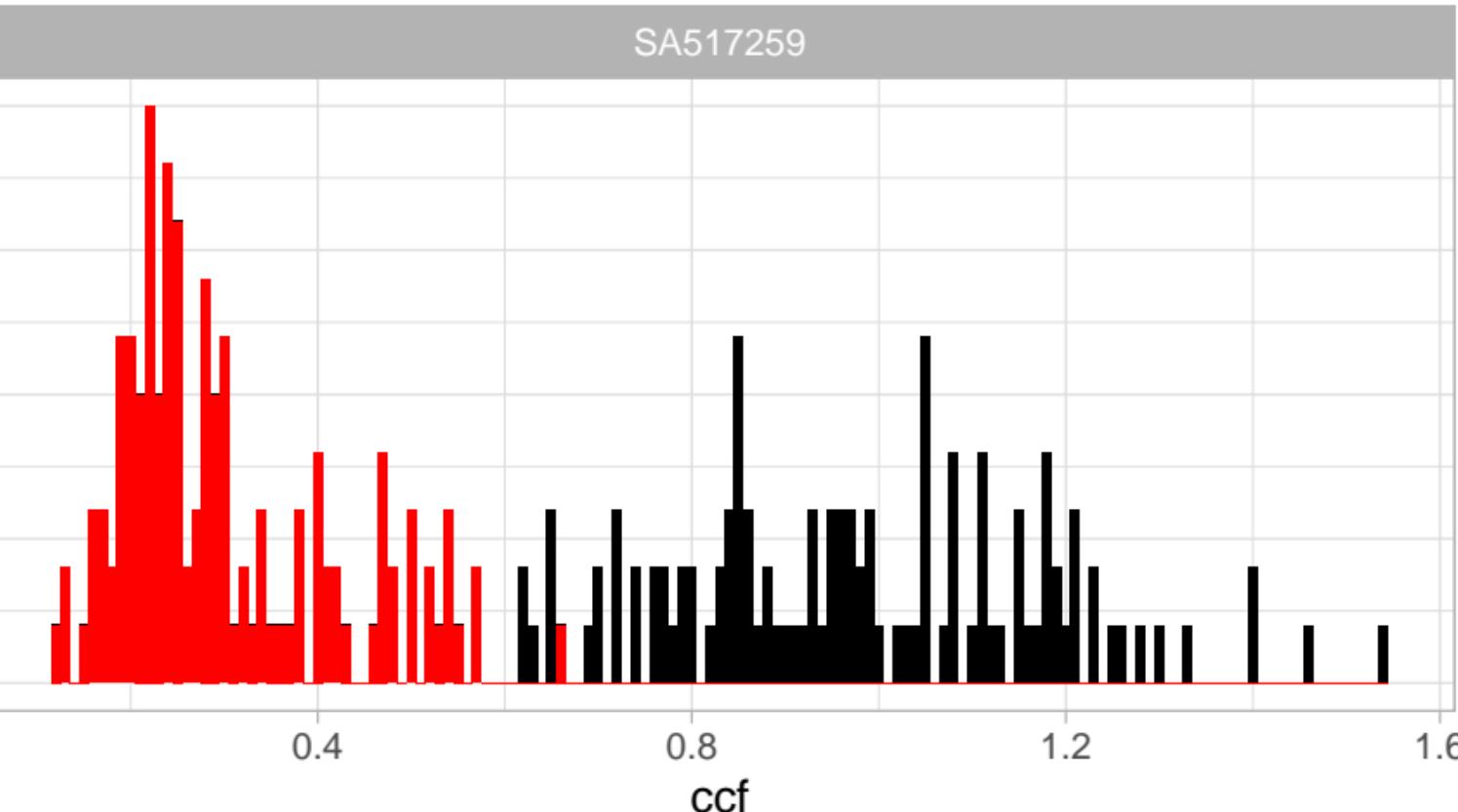
count

10.0
7.5
5.0
2.5
0.0

0.4 0.8 1.2 1.6

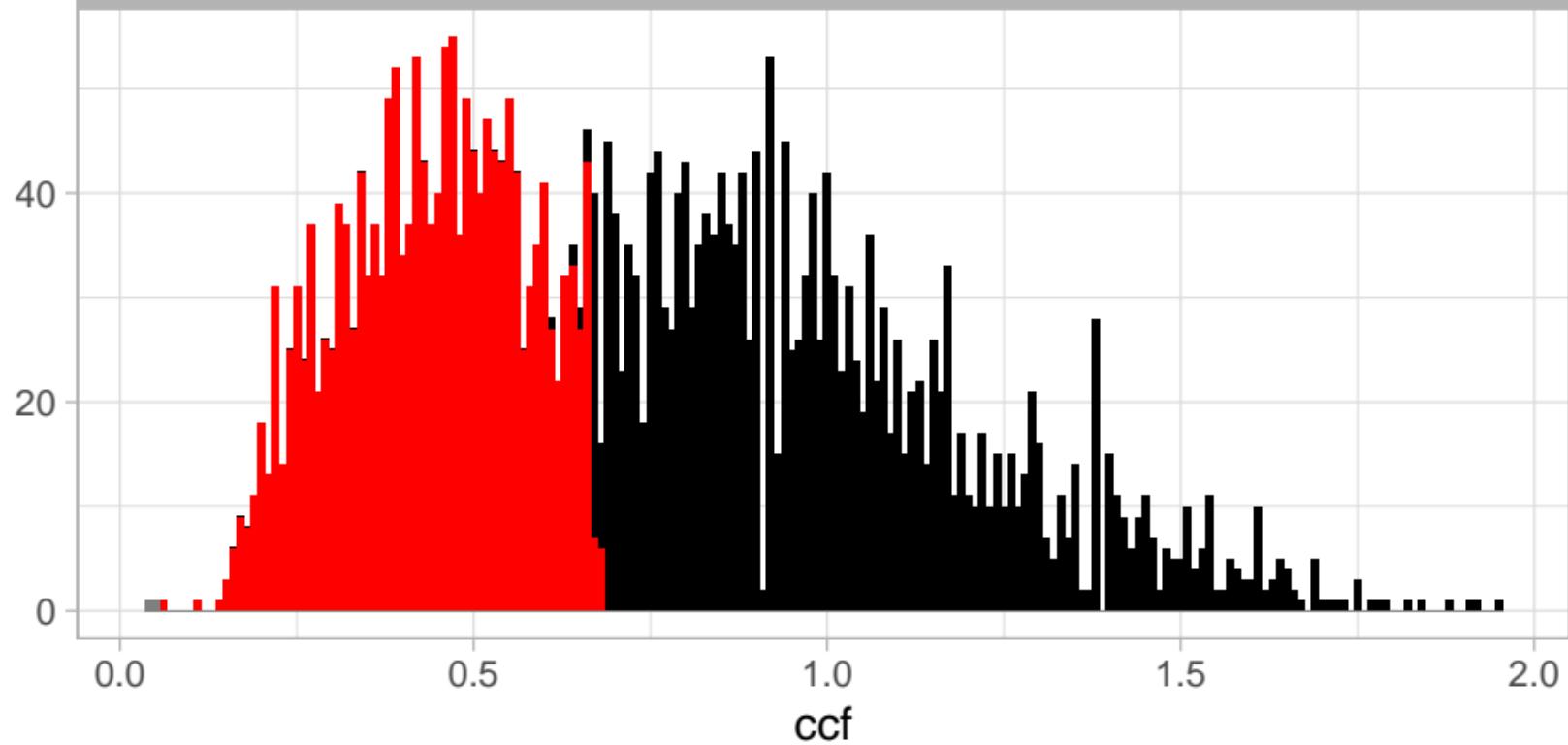
ccf

cluster ■ tail ■ clonal ■ subclonal



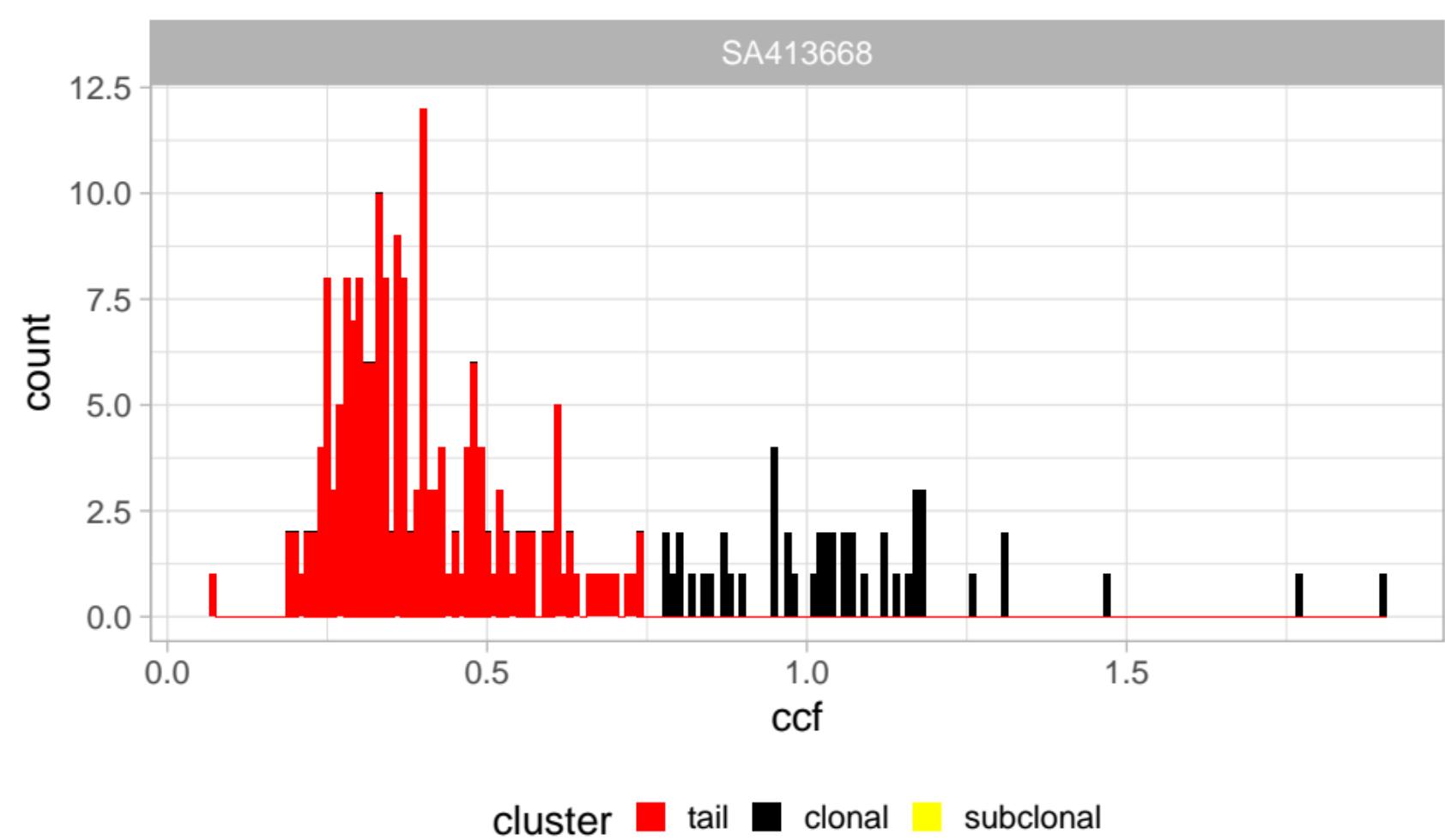
SA517326

count



cluster ■ tail ■ clonal ■ subclonal

SA413668



SA530448

count

60

40

20

0

0

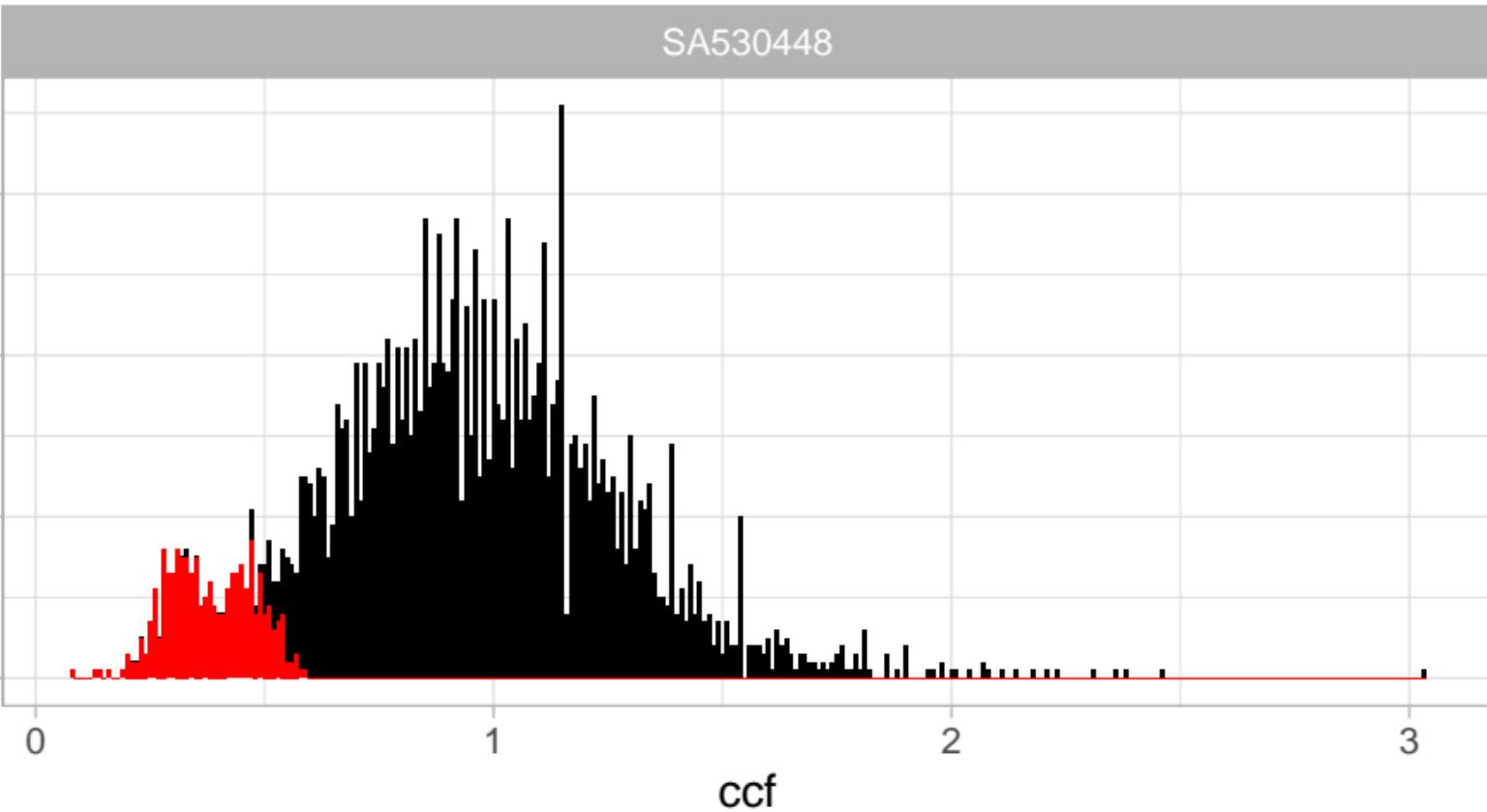
1

2

3

ccf

cluster tail clonal subclonal



SA515239

count

600

400

200

0

0.0

0.5

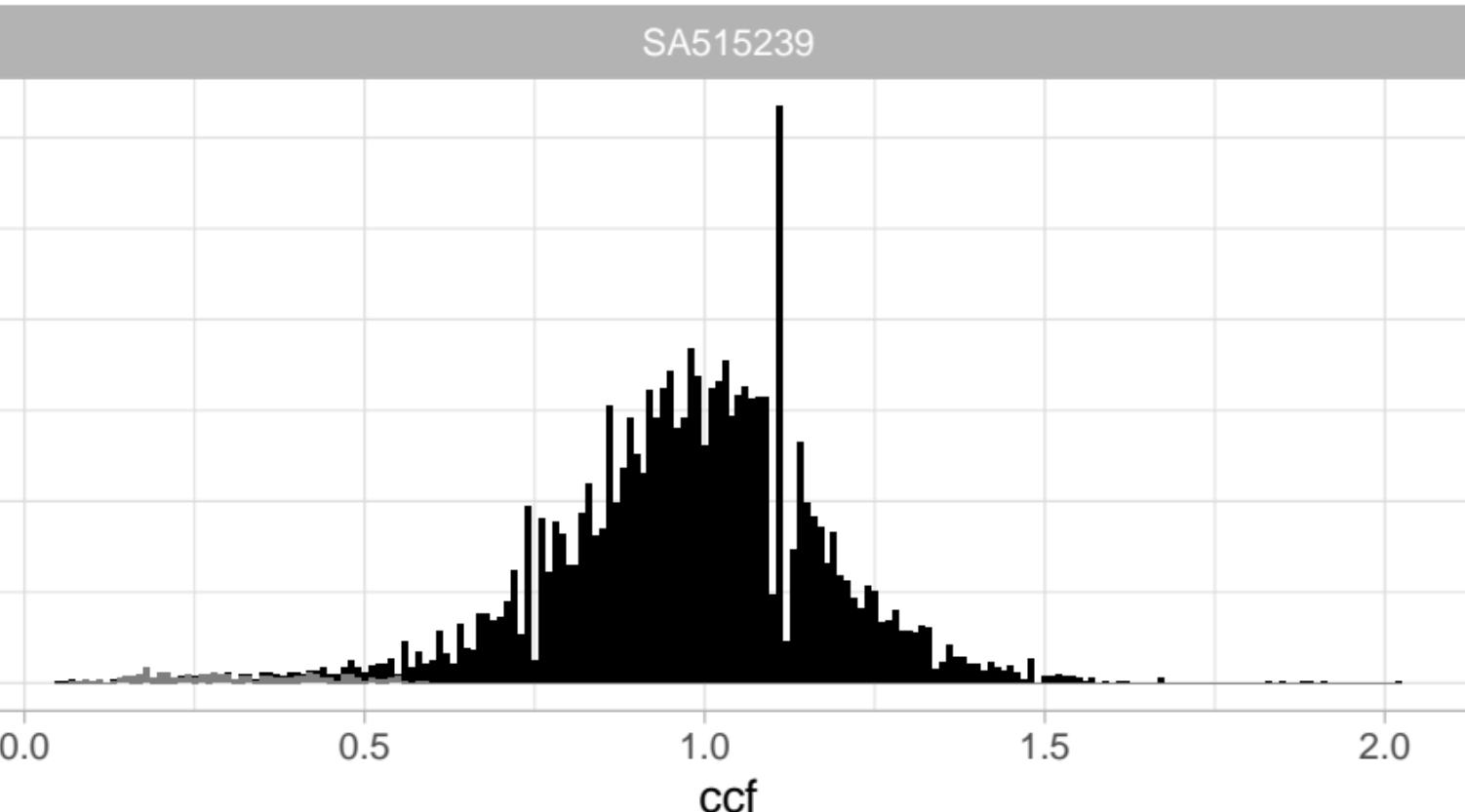
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA517276

count

90

60

30

0

0.0

0.5

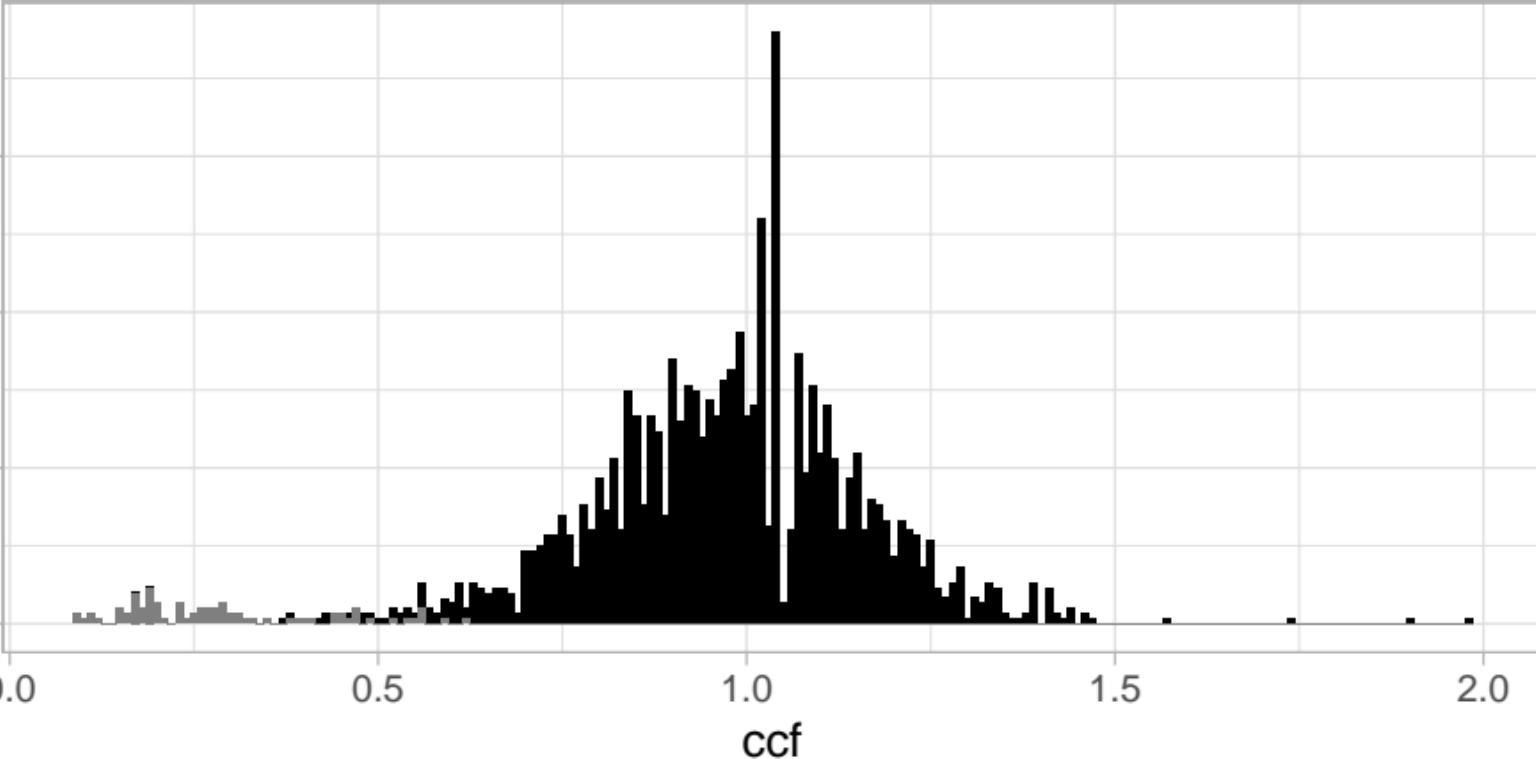
1.0

1.5

2.0

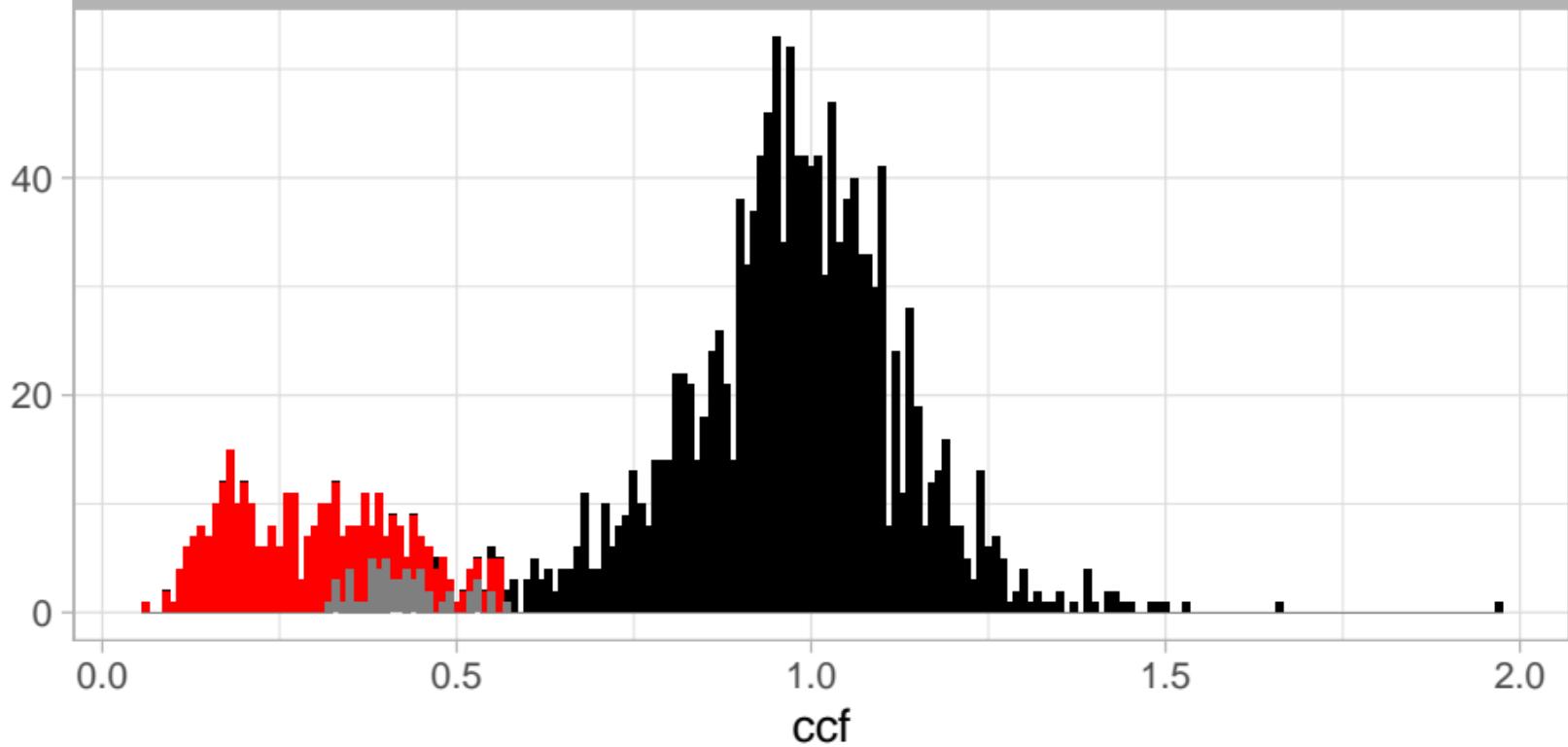
ccf

cluster tail clonal subclonal



SA514891

count



cluster ■ tail ■ clonal ■ subclonal

SA542395

count

100

75

50

25

0

0.0

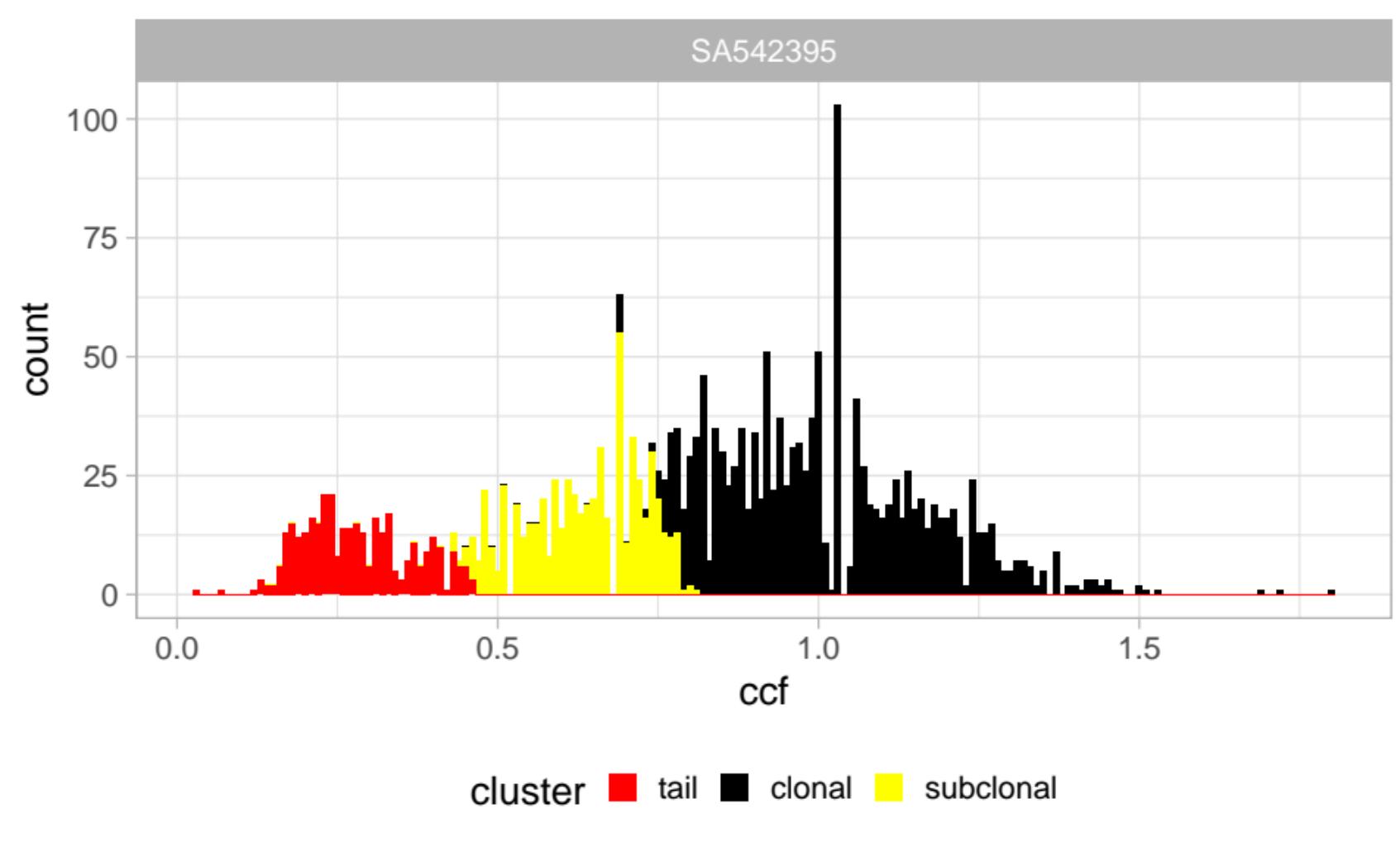
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530519

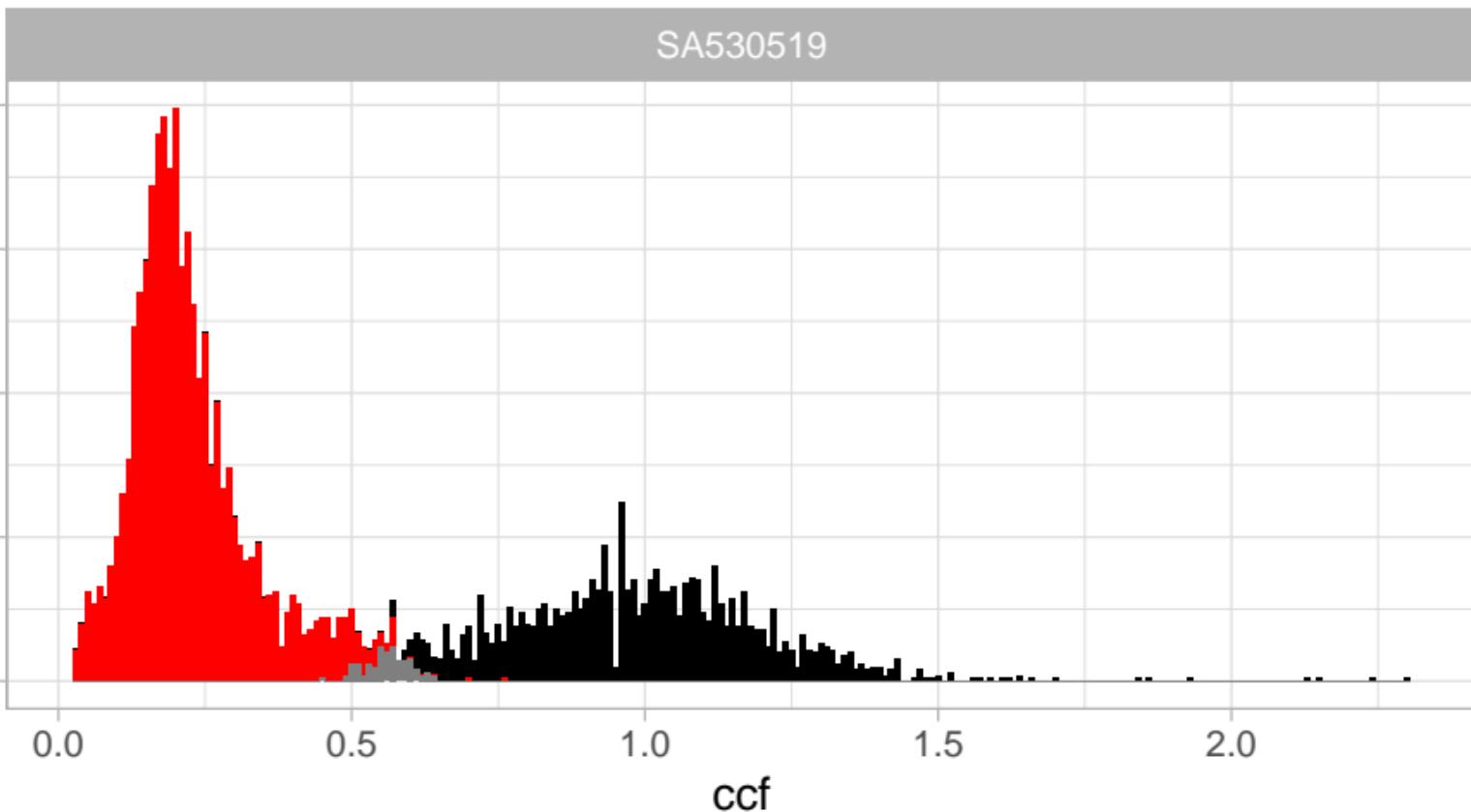
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA539010

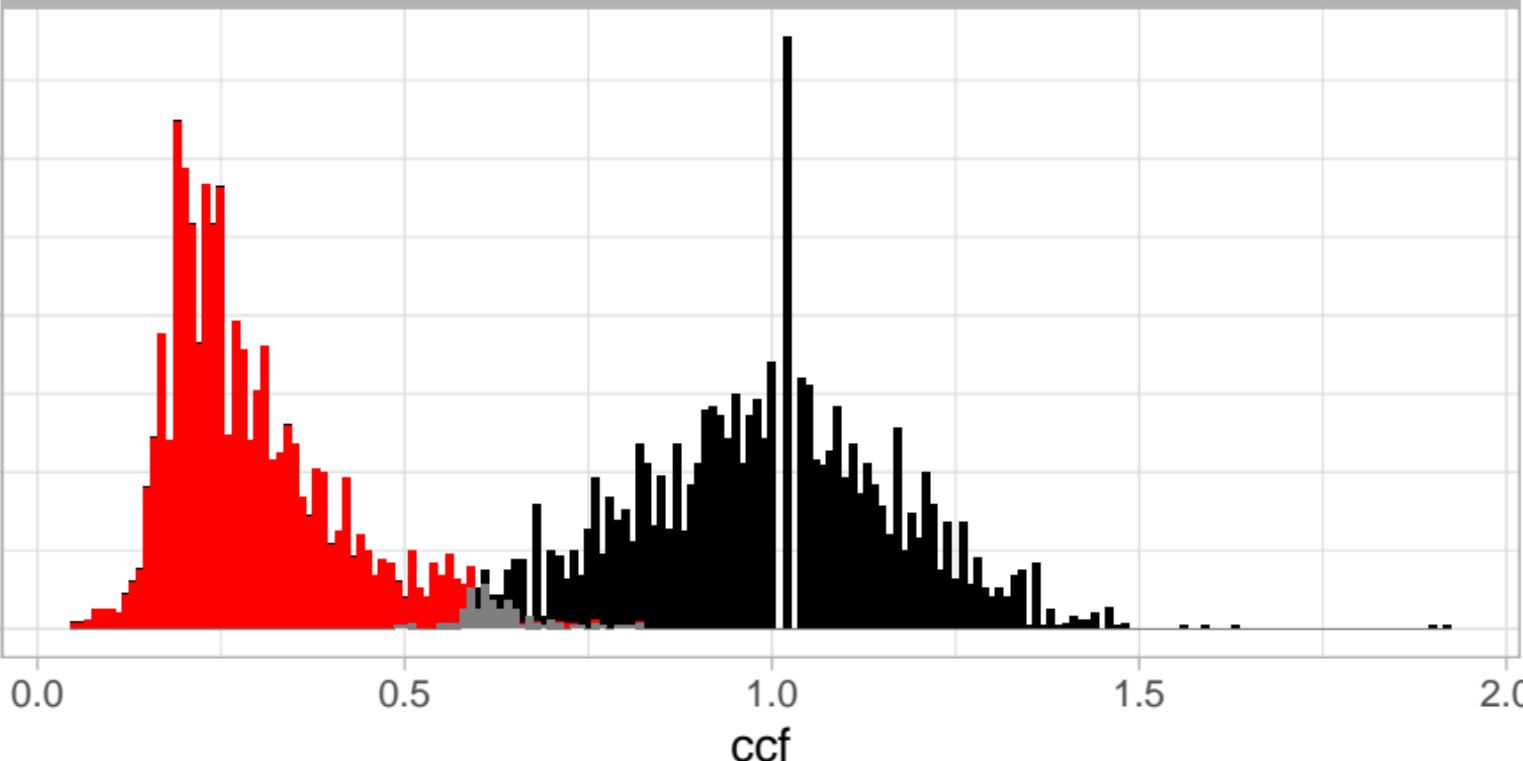
count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533661

count

150

100

50

0

0.0

0.5

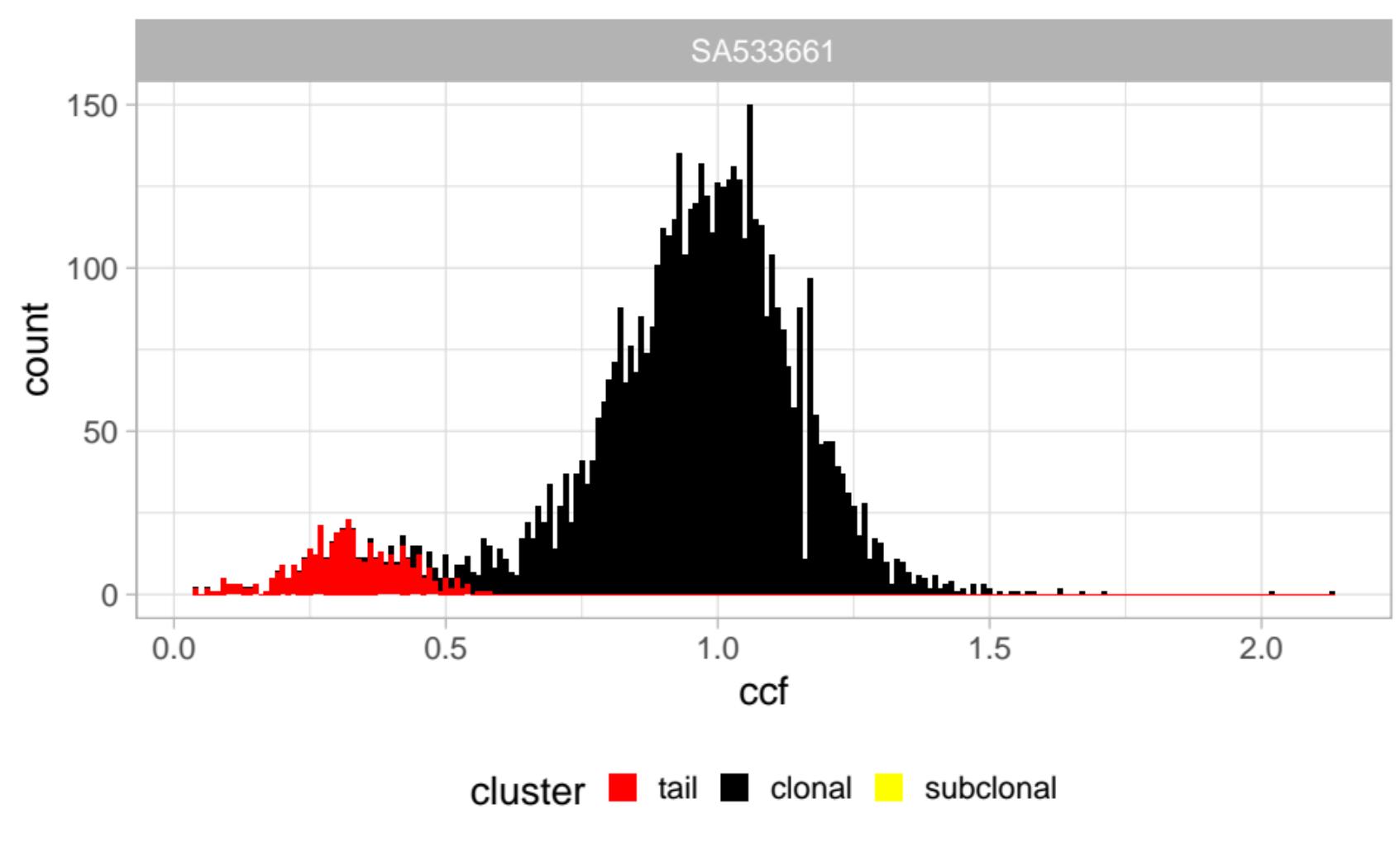
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA530432

count

90

30

0

0.0

0.5

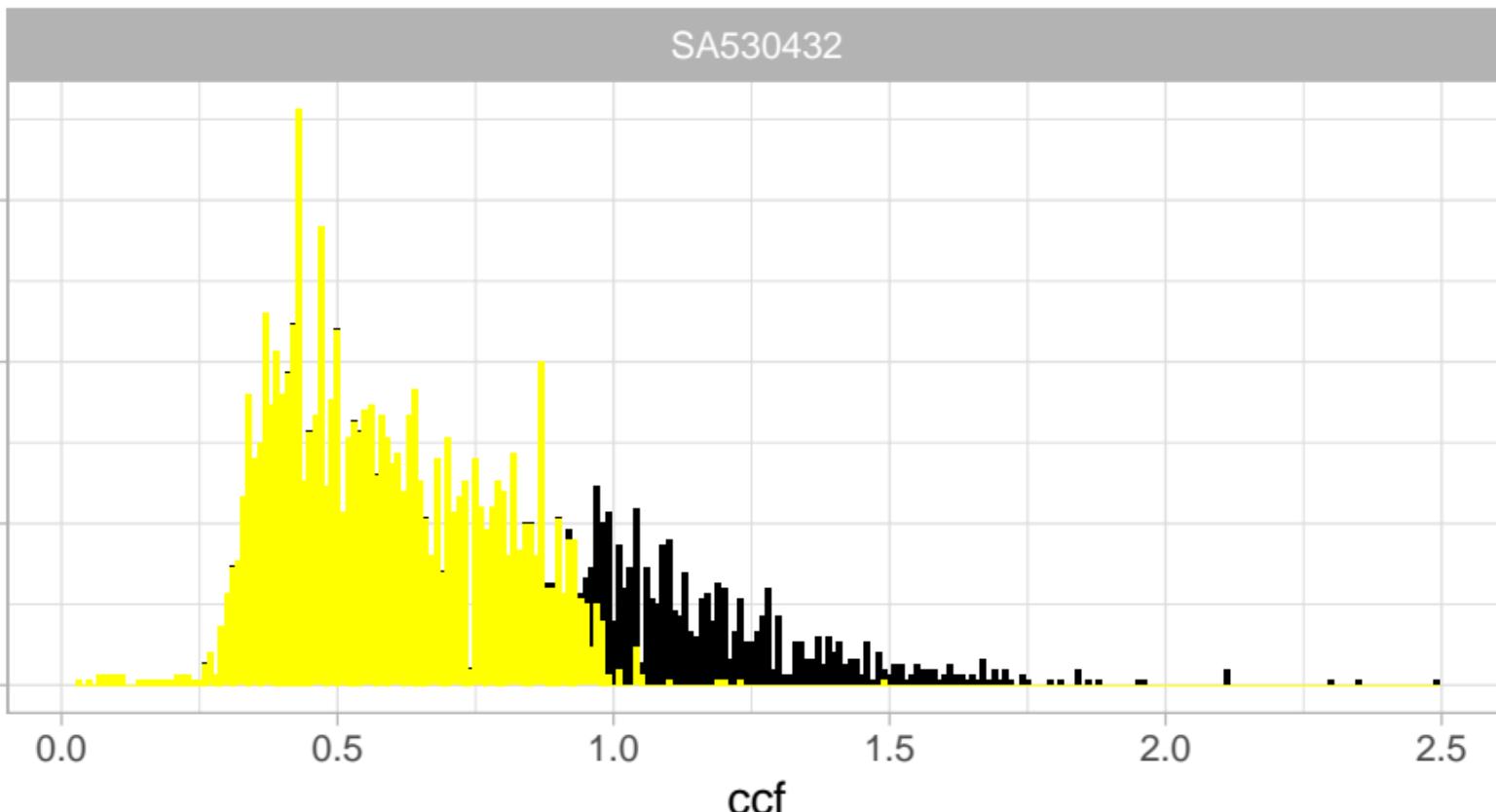
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA507330

count

200

150

100

50

0

0.0

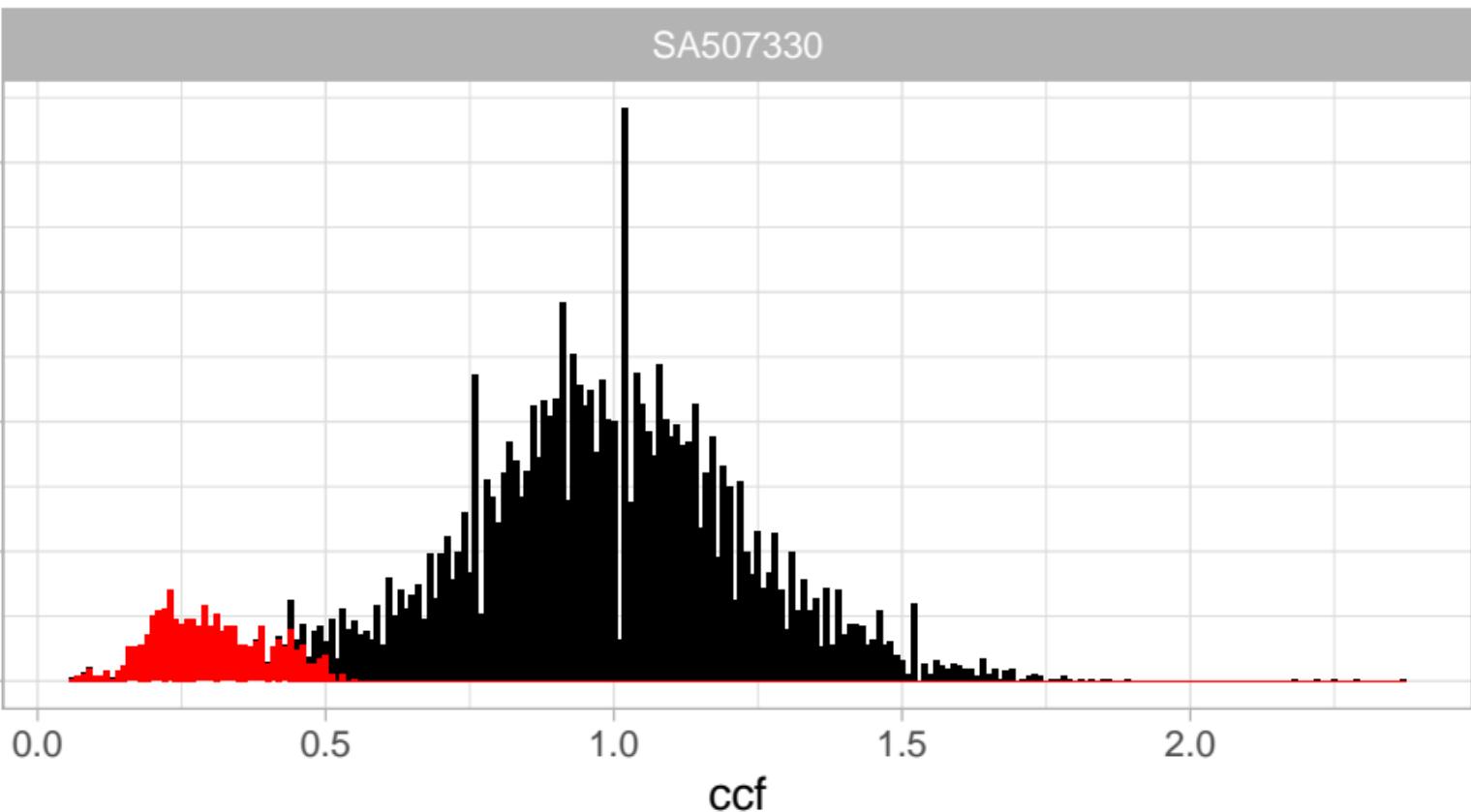
0.5

1.5

2.0

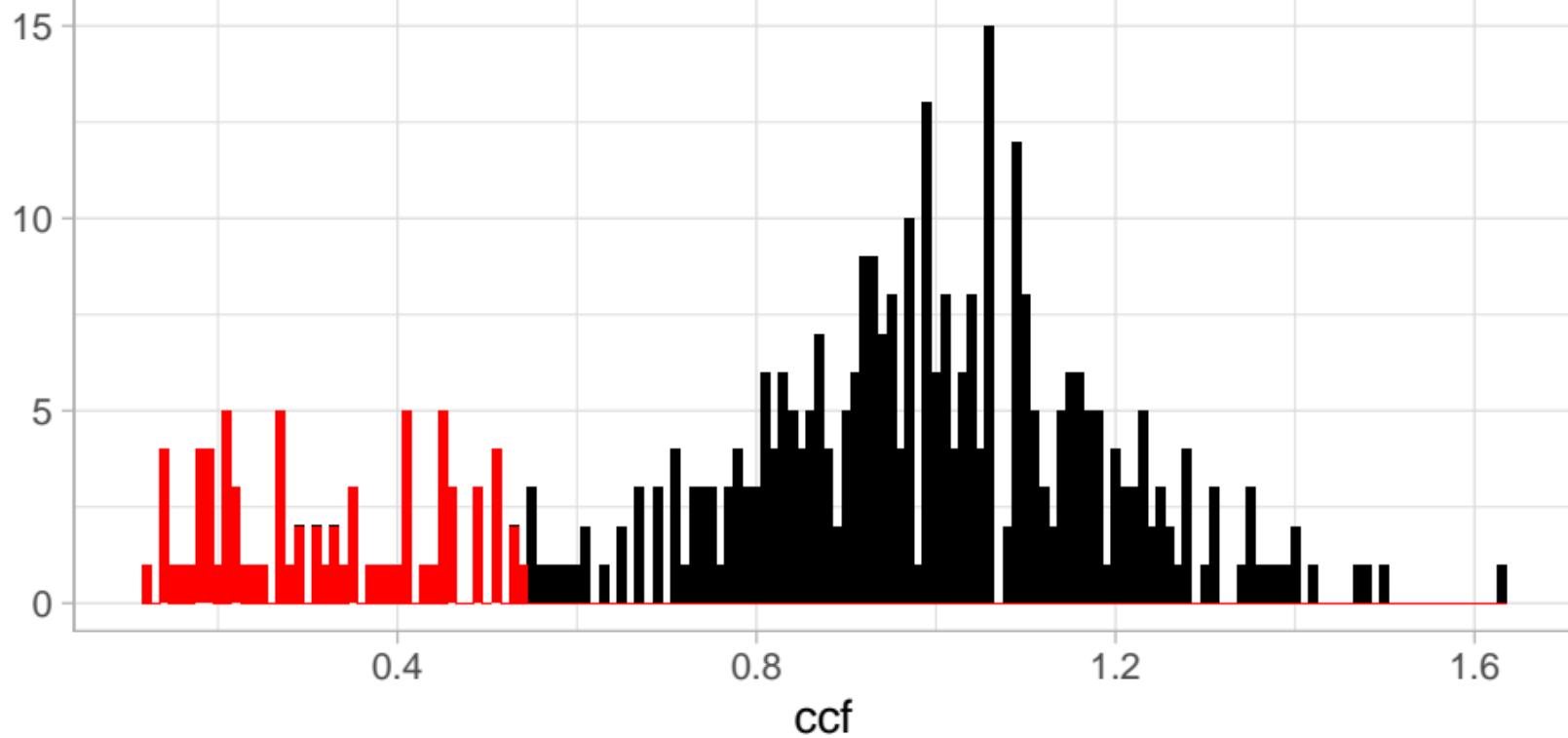
ccf

cluster tail clonal subclonal



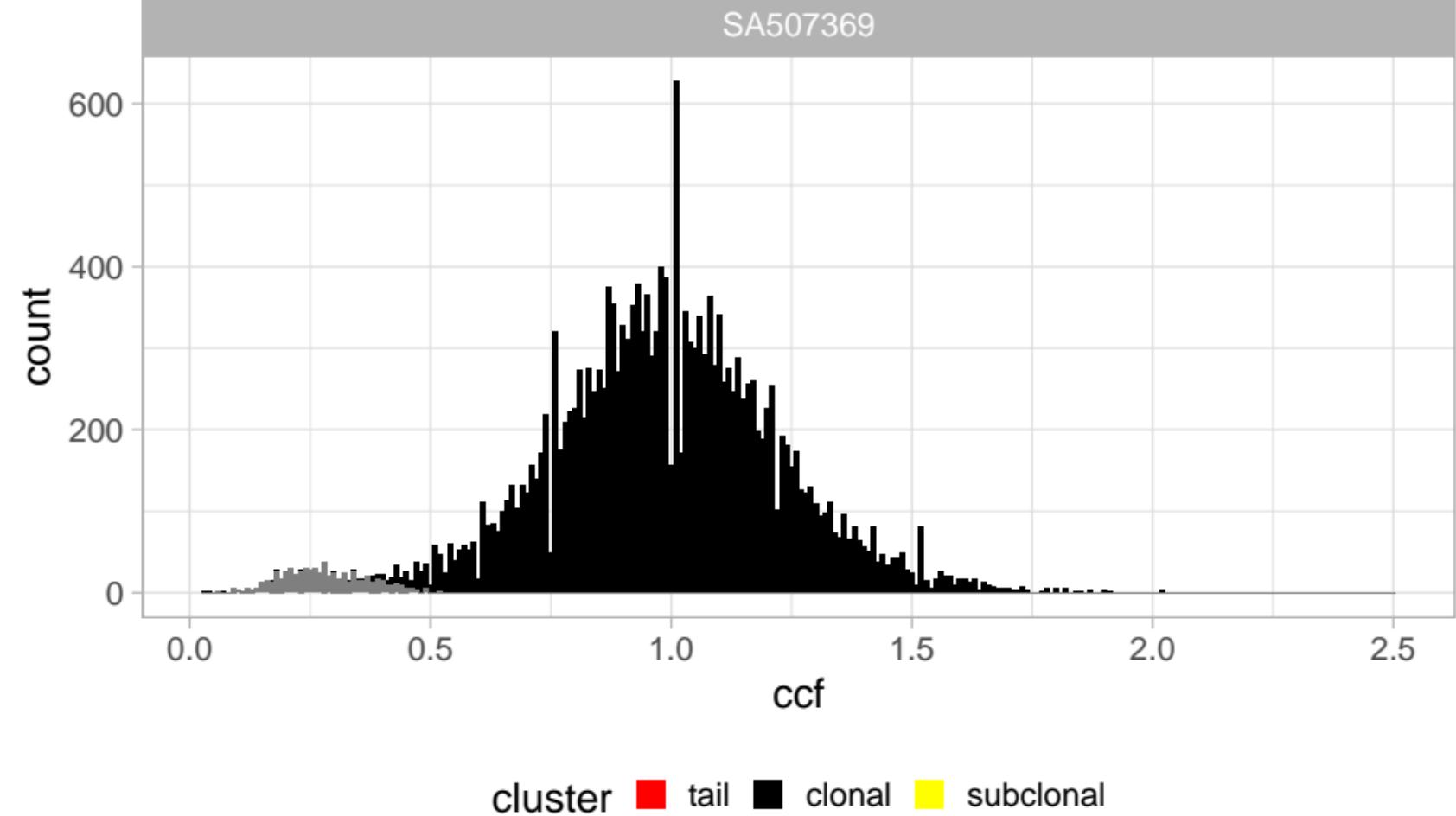
SA413504

count



cluster ■ tail ■ clonal ■ subclonal

SA507369



SA507306

count

100

50

0

0.0

0.5

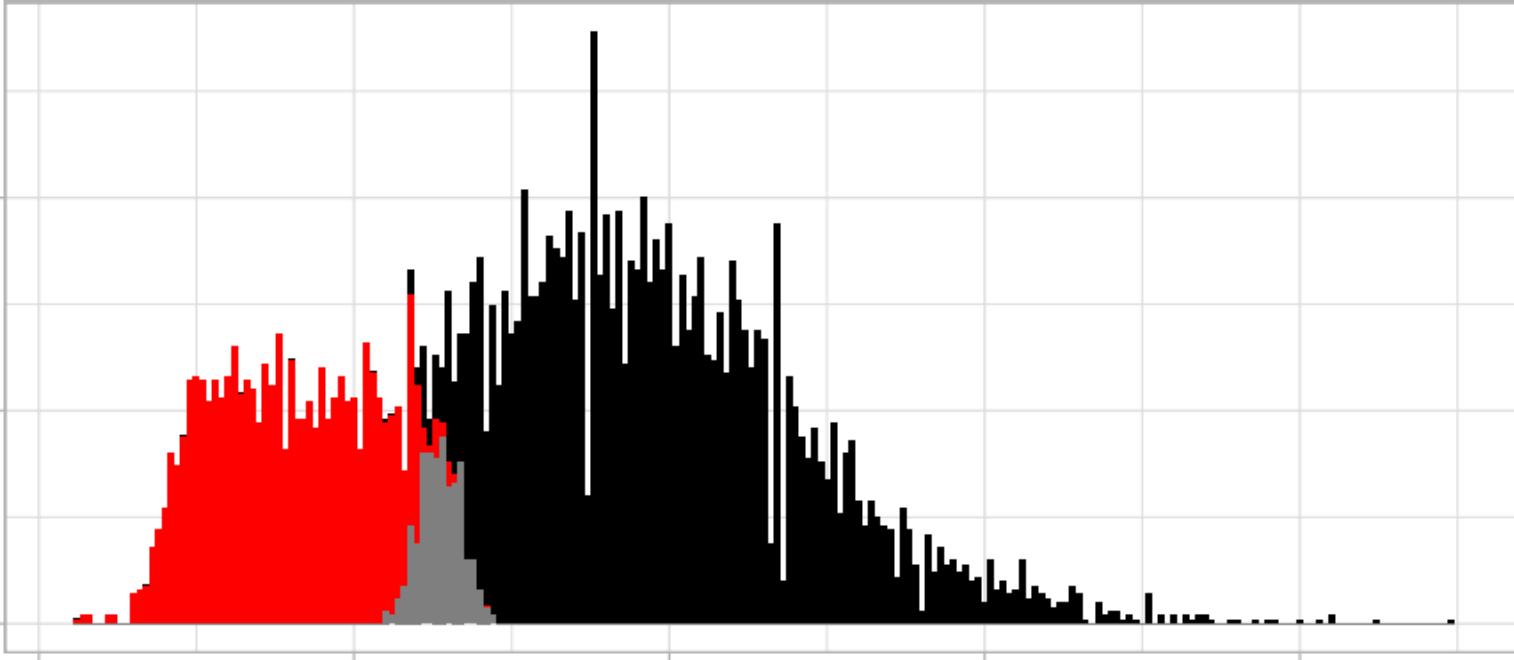
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA505675

count

200

150

100

50

0

0.0

0.5

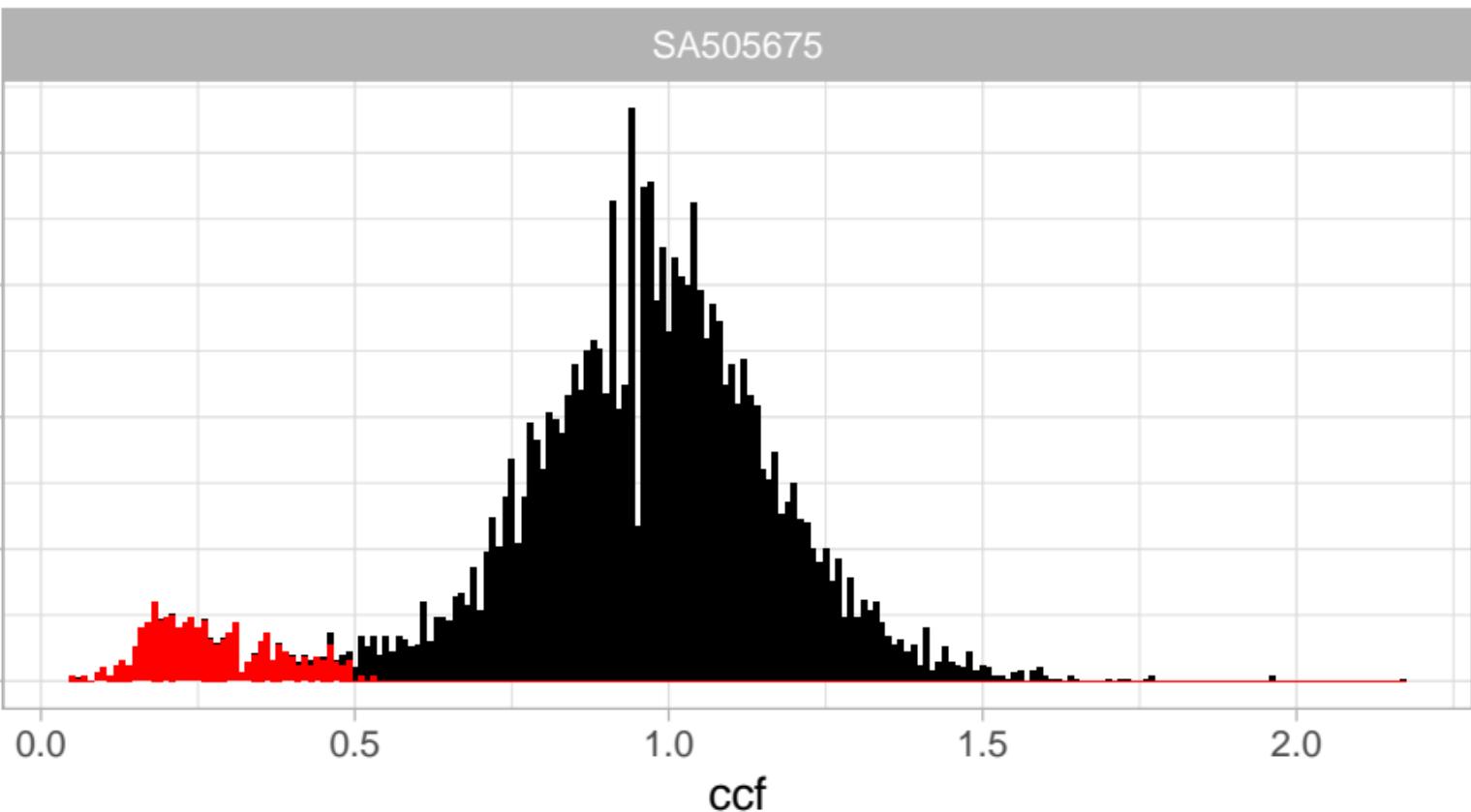
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA514943

count

20

15

10

5

0

0.0

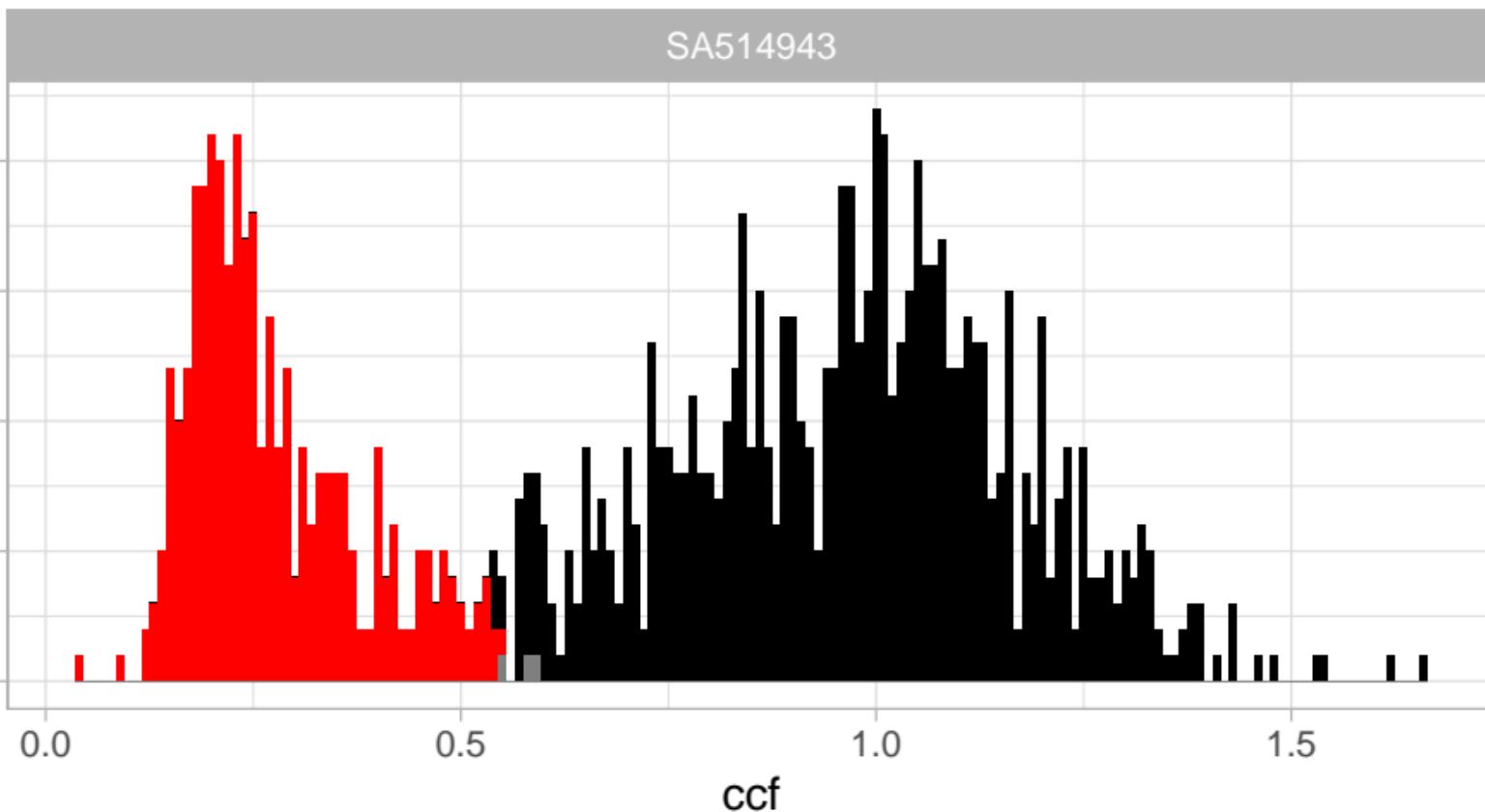
0.5

1.0

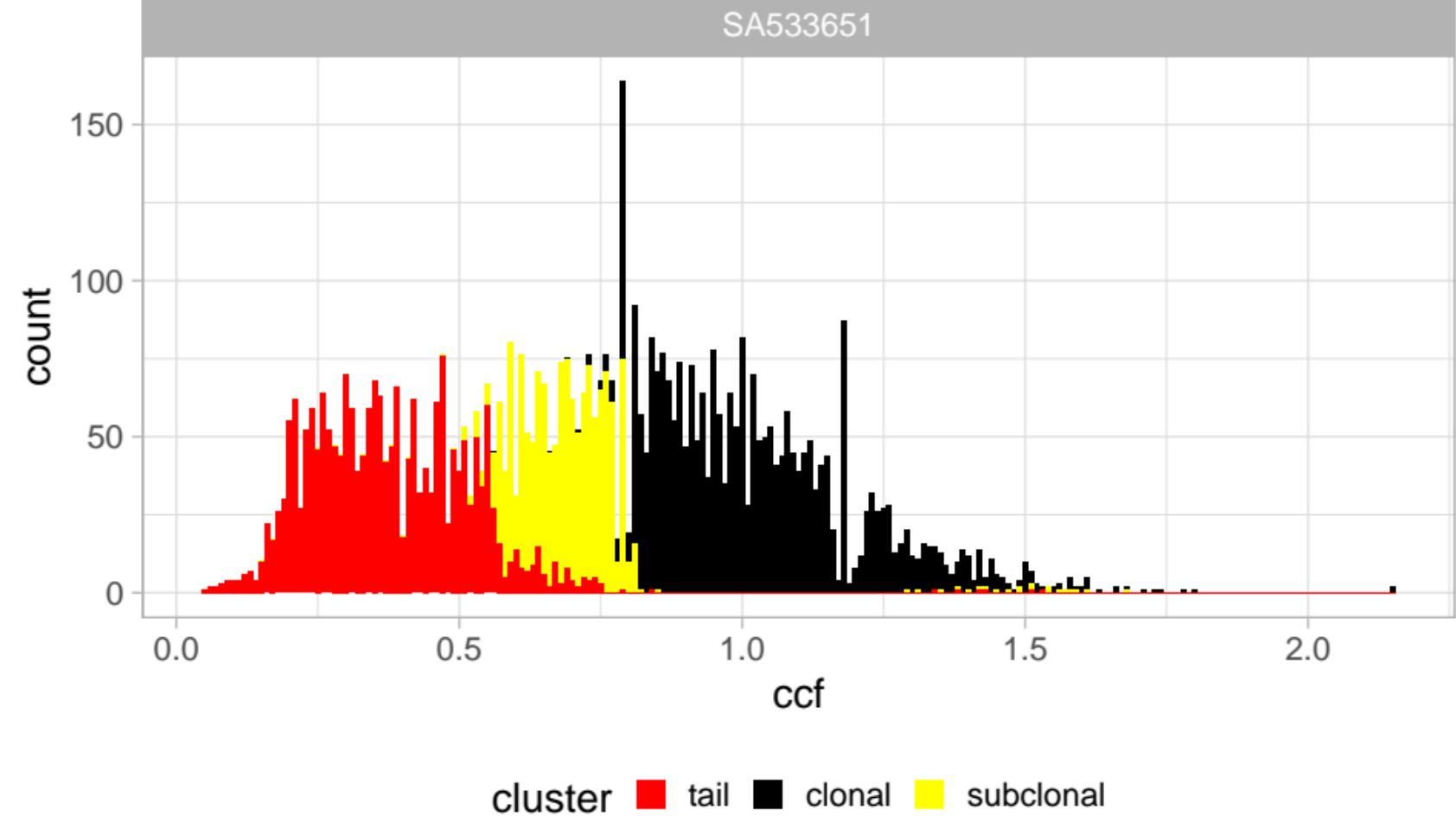
1.5

ccf

cluster tail clonal subclonal



SA533651



SA541727

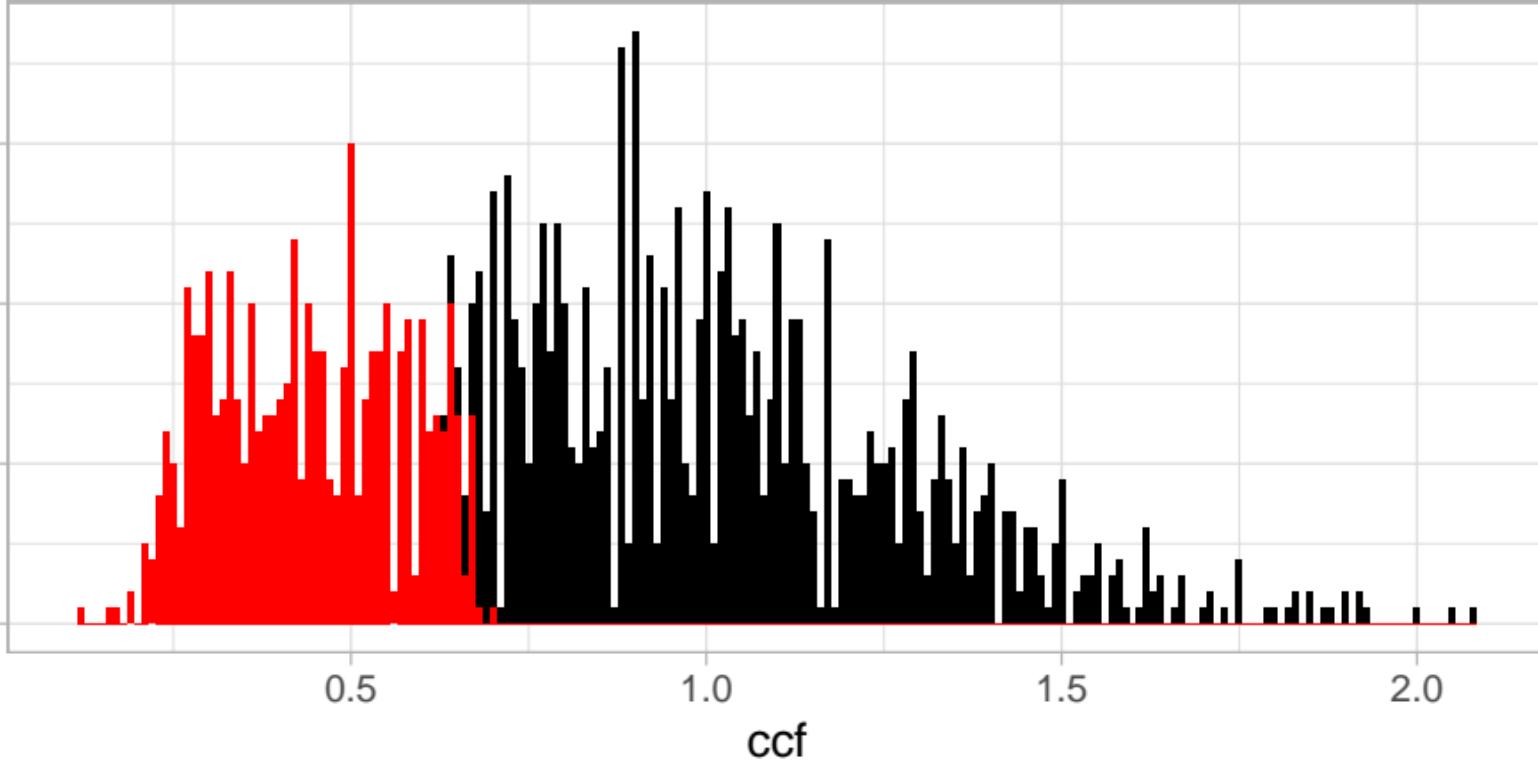
count

30
20
10
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542195

count

60

40

20

0

0.0

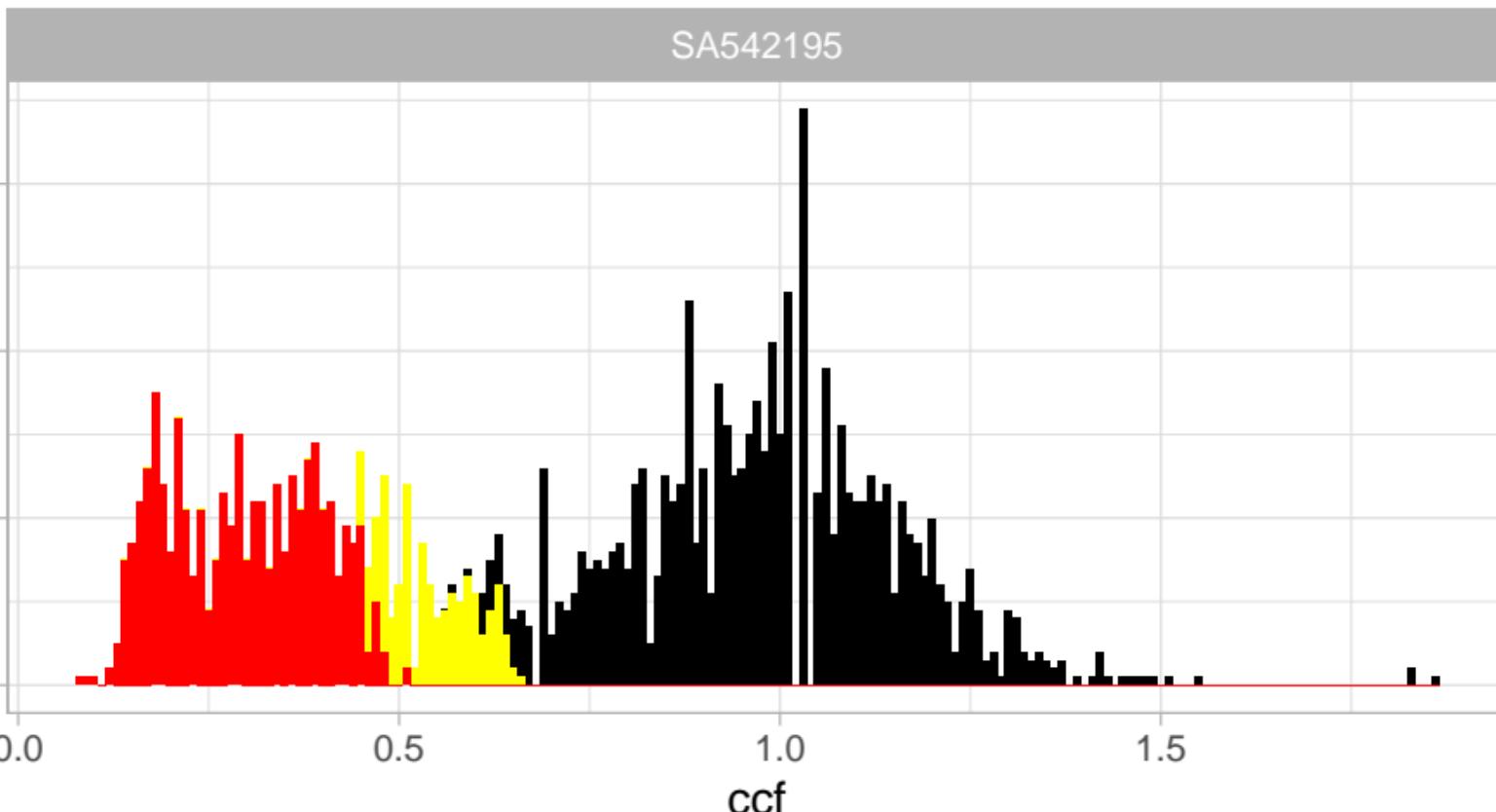
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA270428

count

200

100

0

0.0

0.5

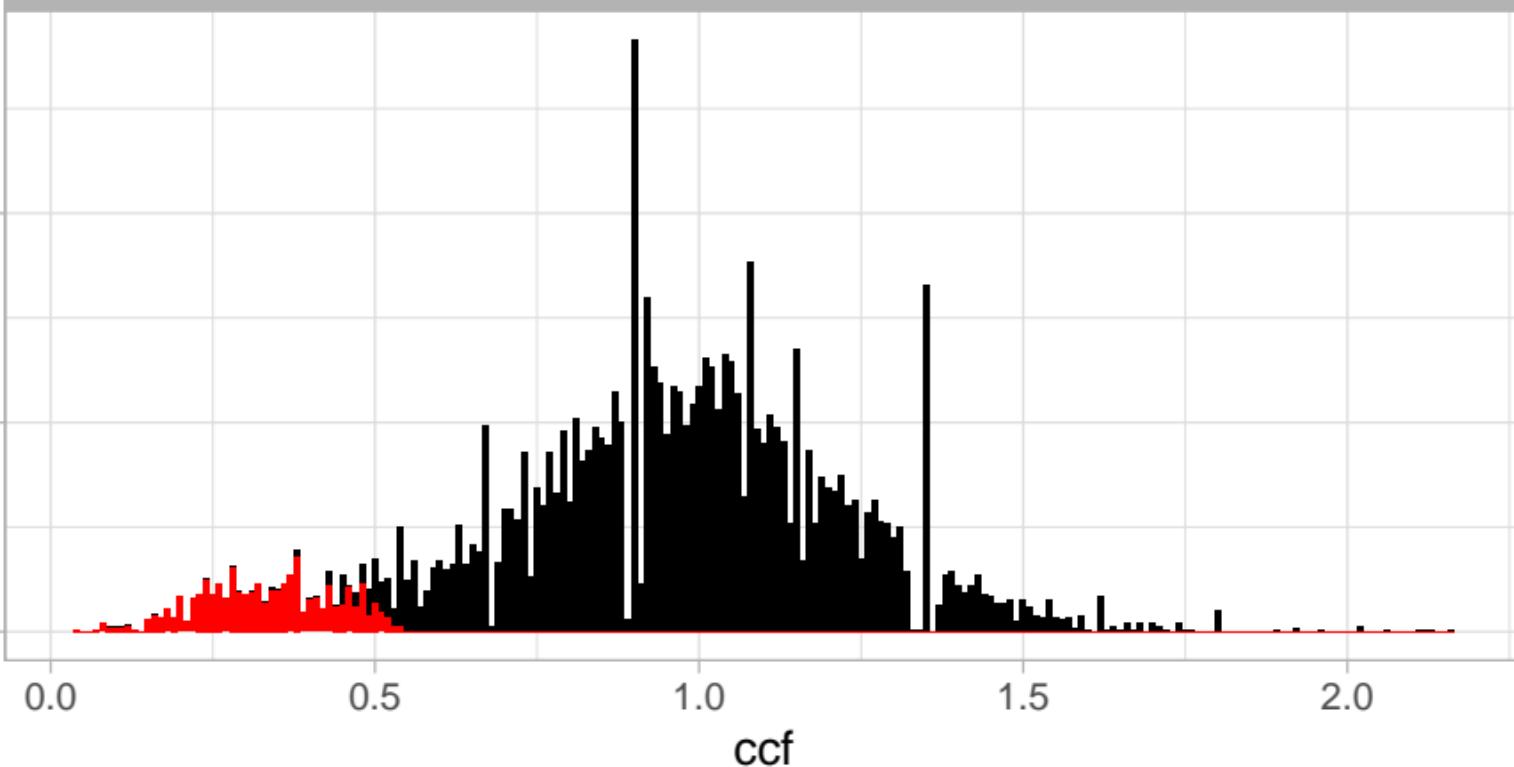
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA86302

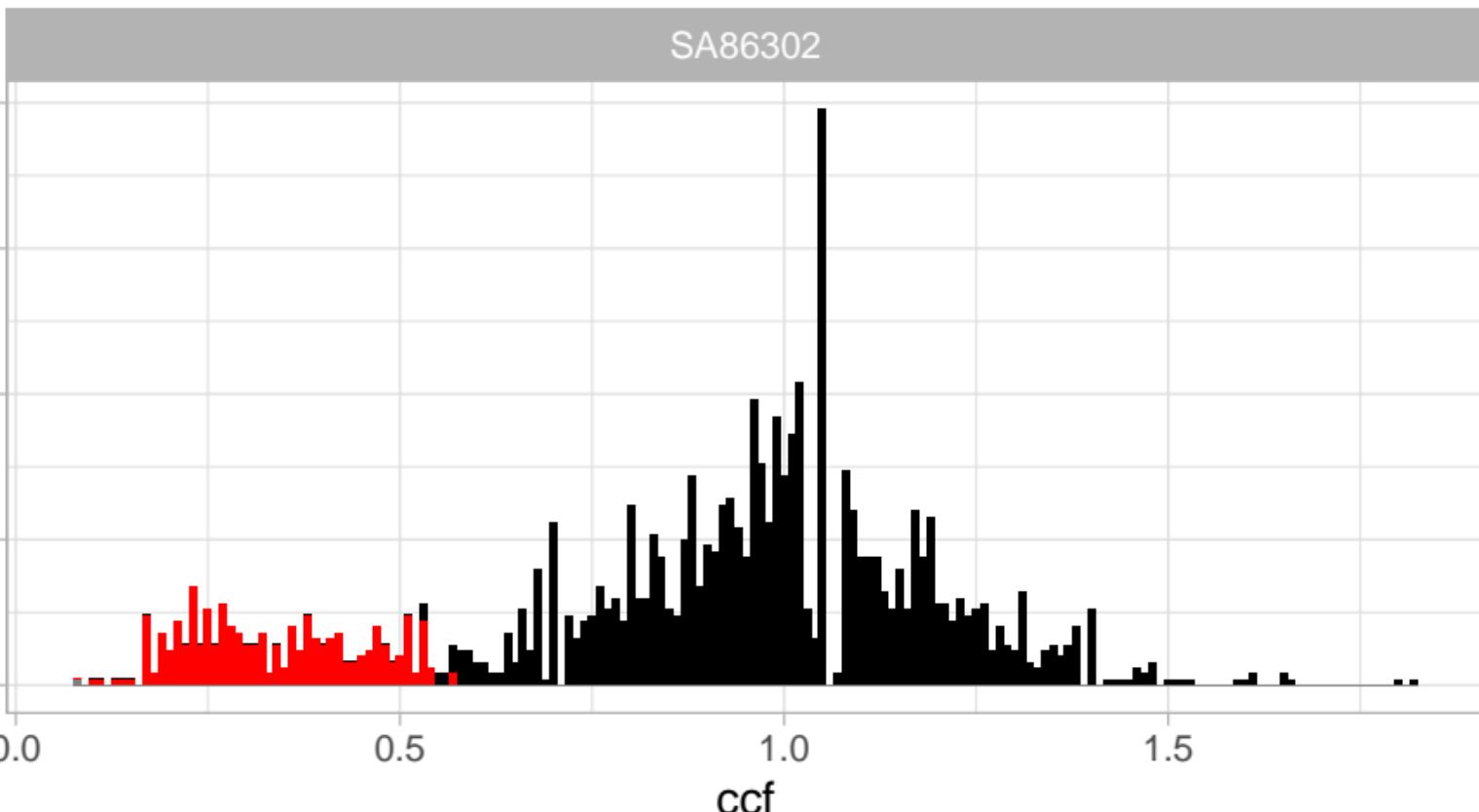
count

100
75
50
25
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA413902

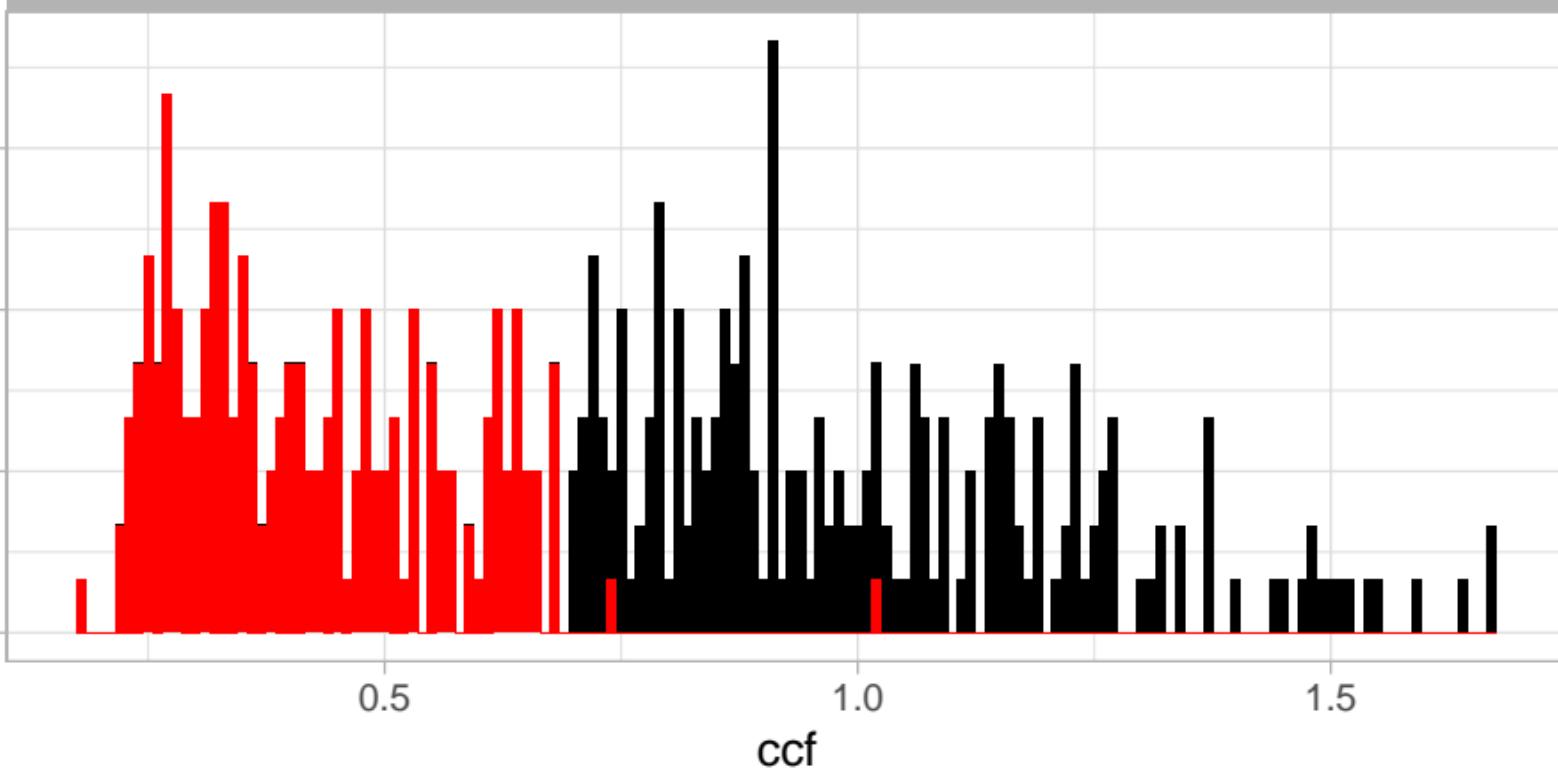
count

9
6
3
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA507173

count

30

20

10

0

0.0

0.5

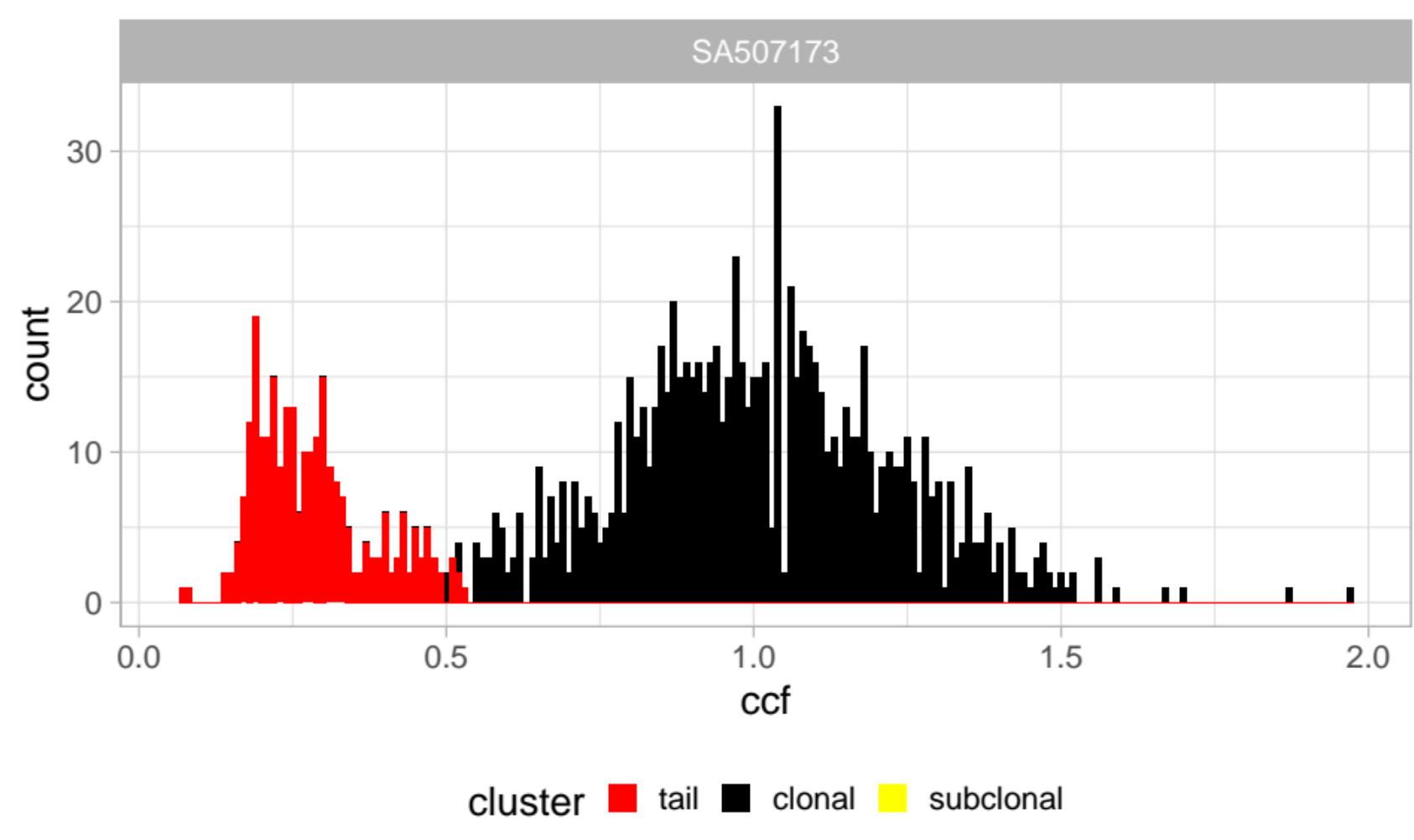
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA517370

count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA542391

count

60

40

20

0

0.0

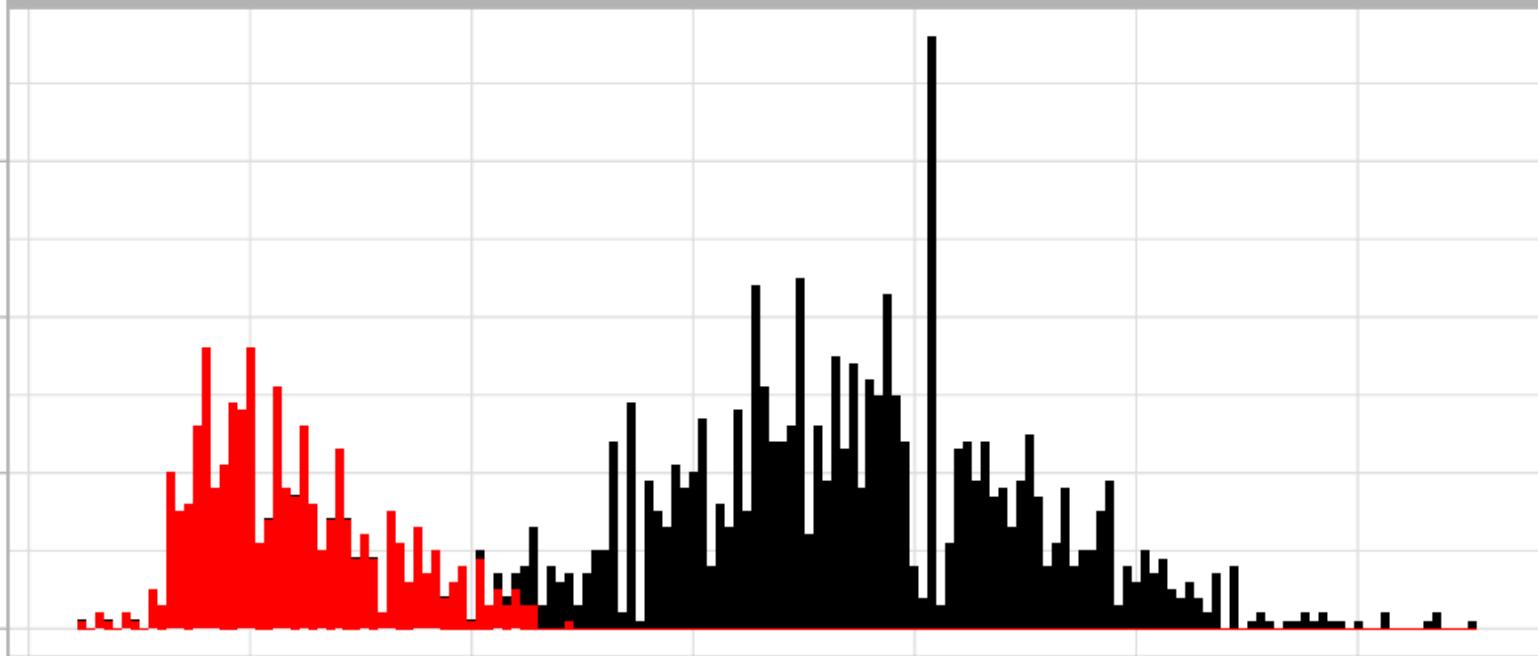
0.5

1.0

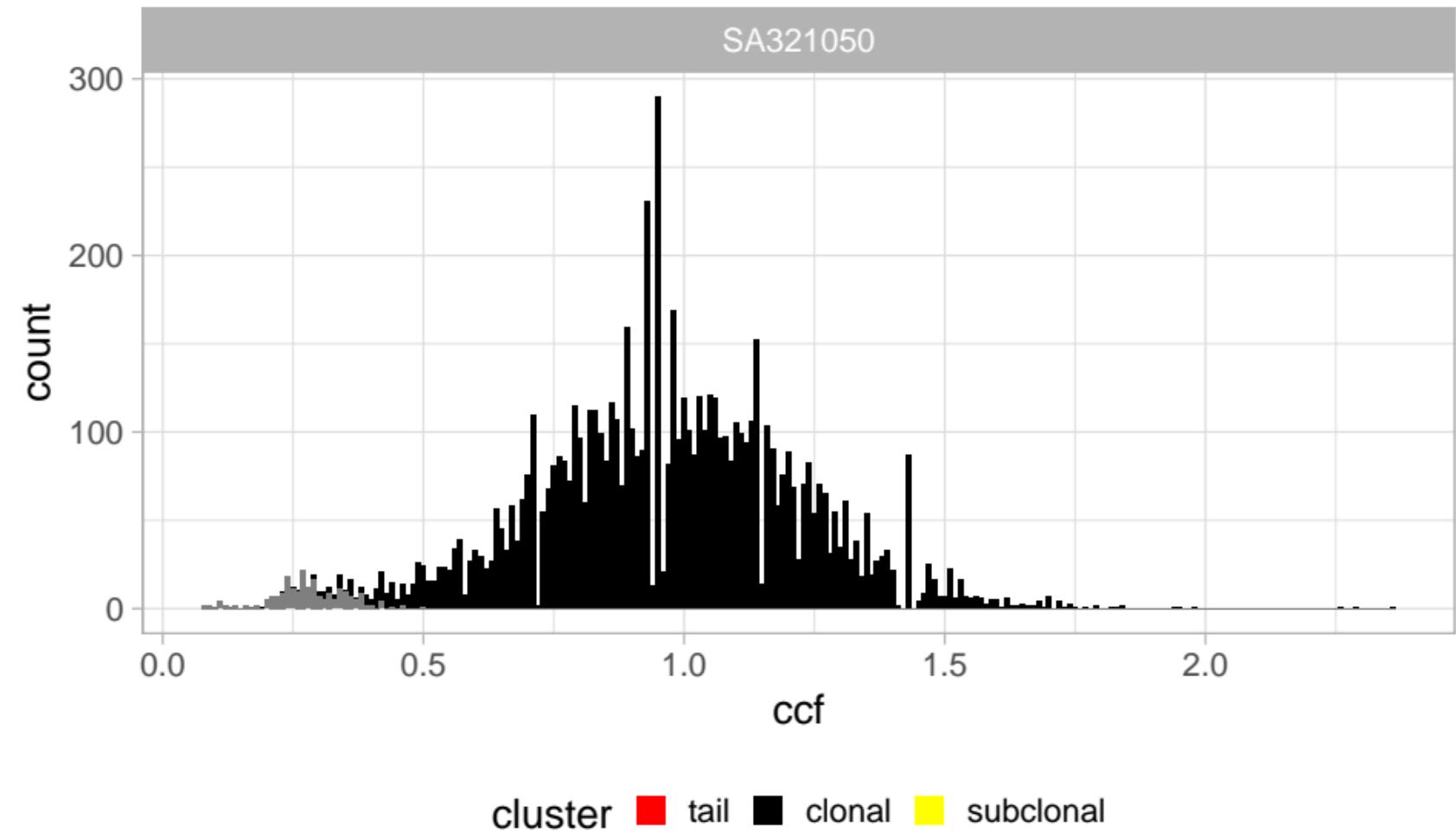
1.5

ccf

cluster tail clonal subclonal



SA321050



SA530642

count

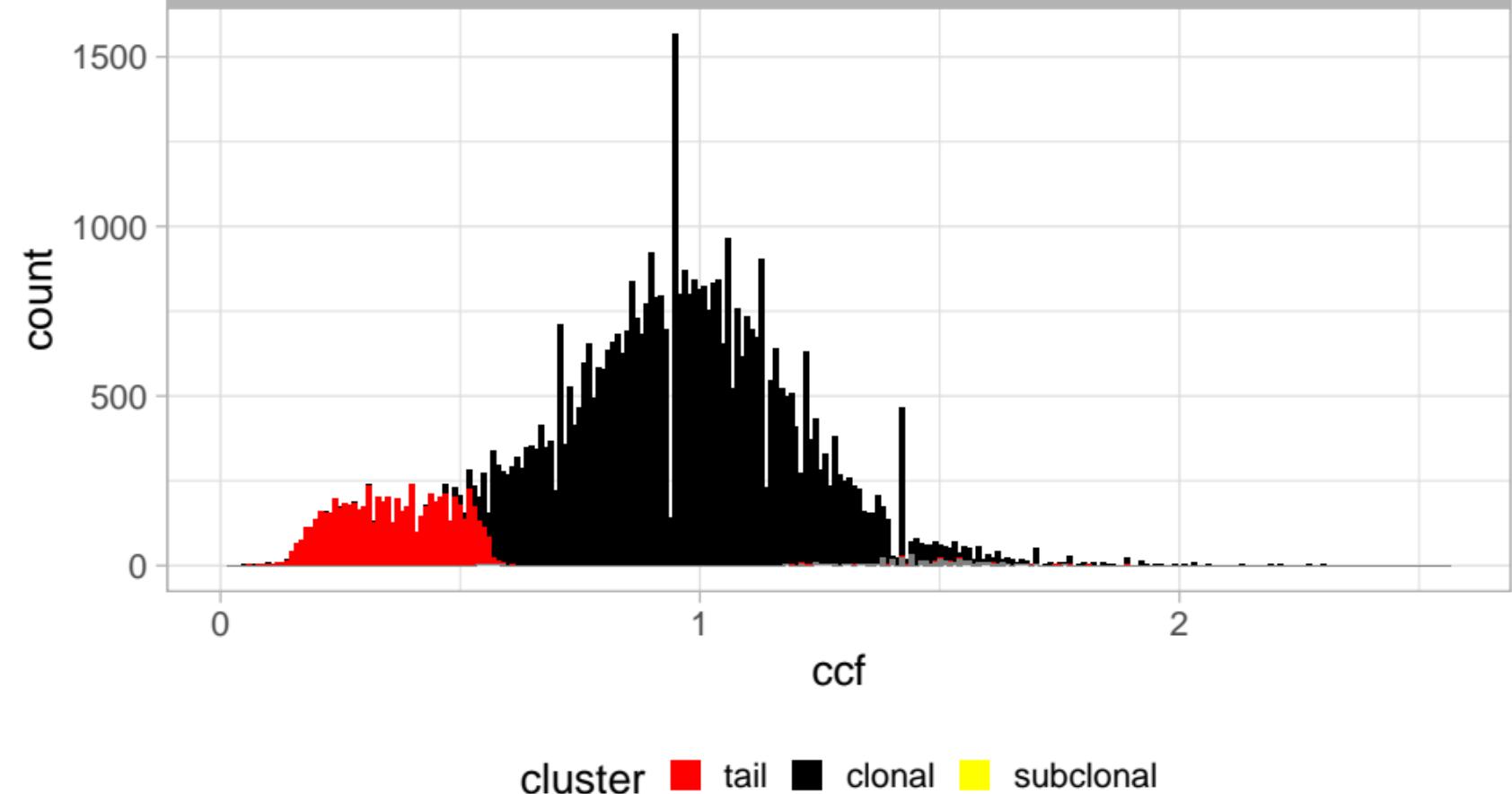
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

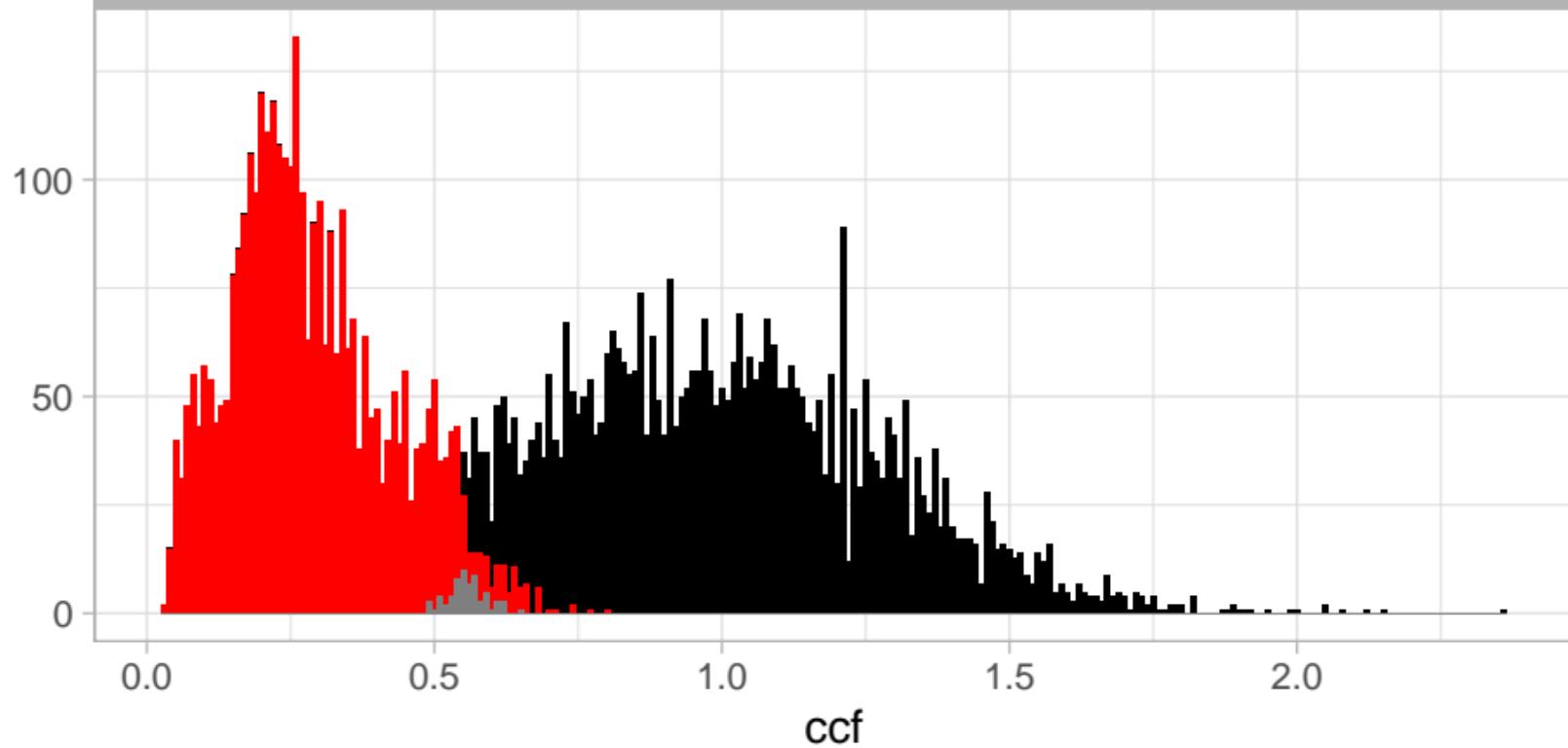
cluster tail clonal subclonal

SA515248



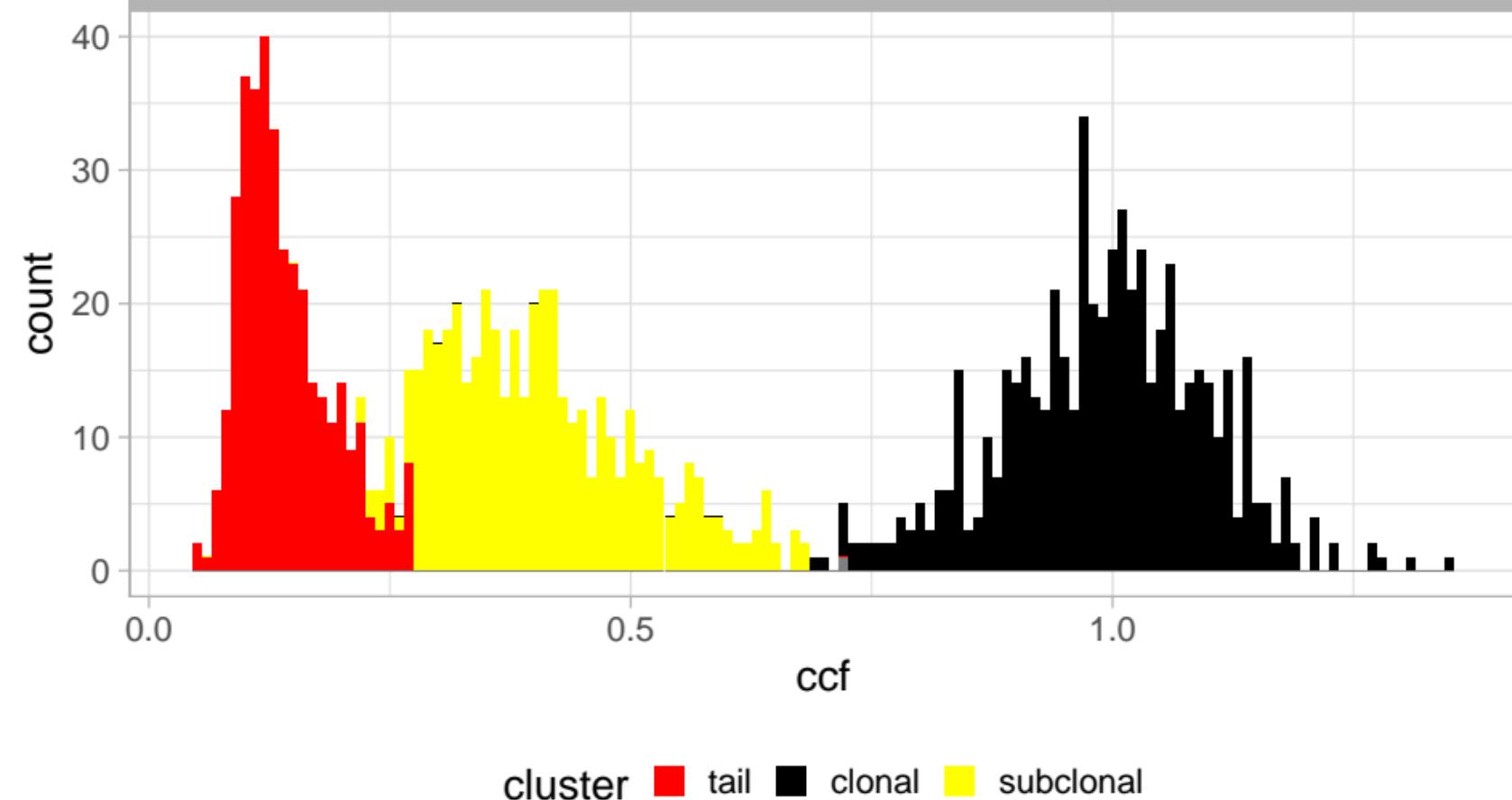
SA520306

count



cluster ■ tail ■ clonal ■ subclonal

SA570843



SA505730

count

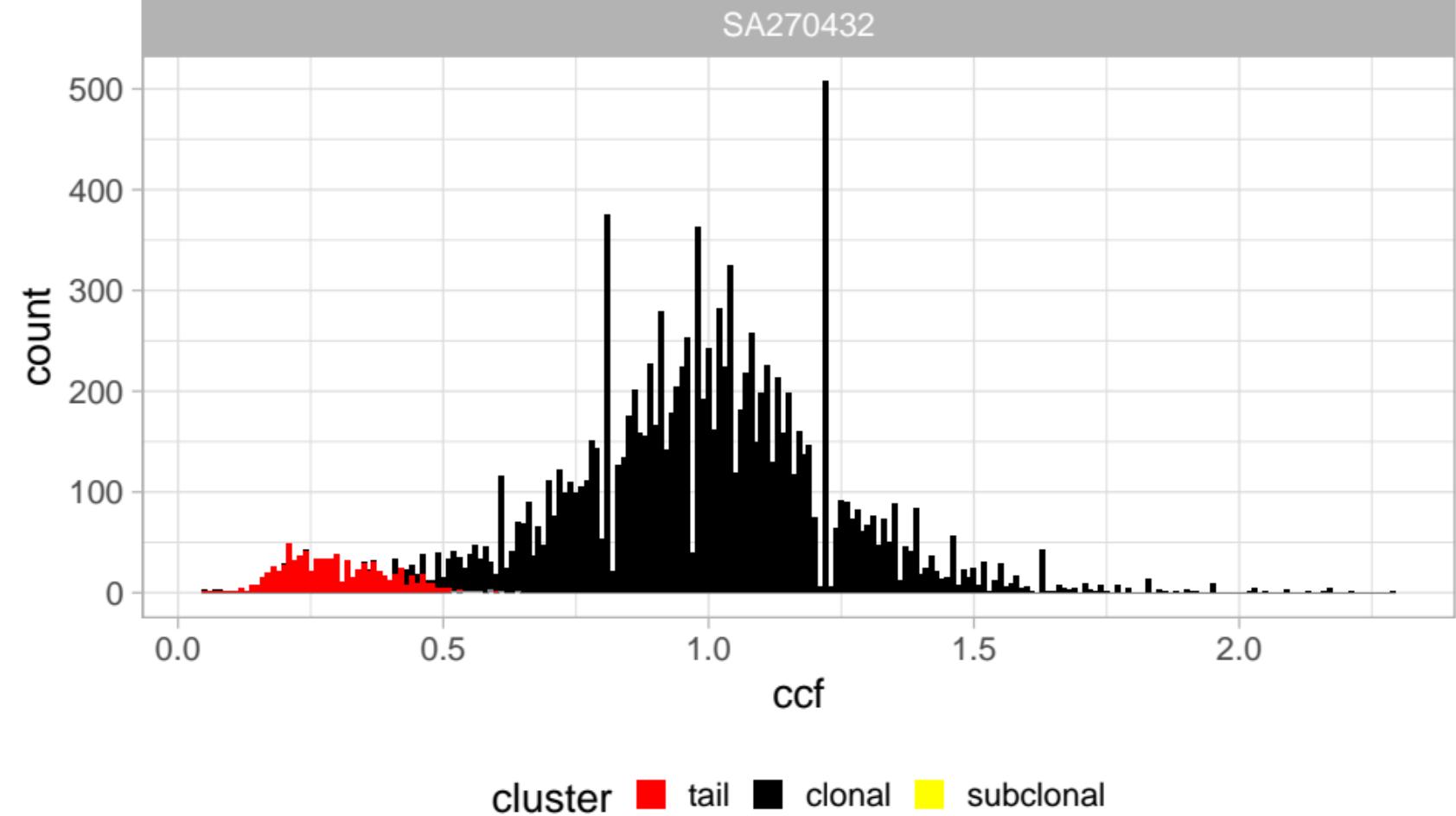
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA270432



SA413656

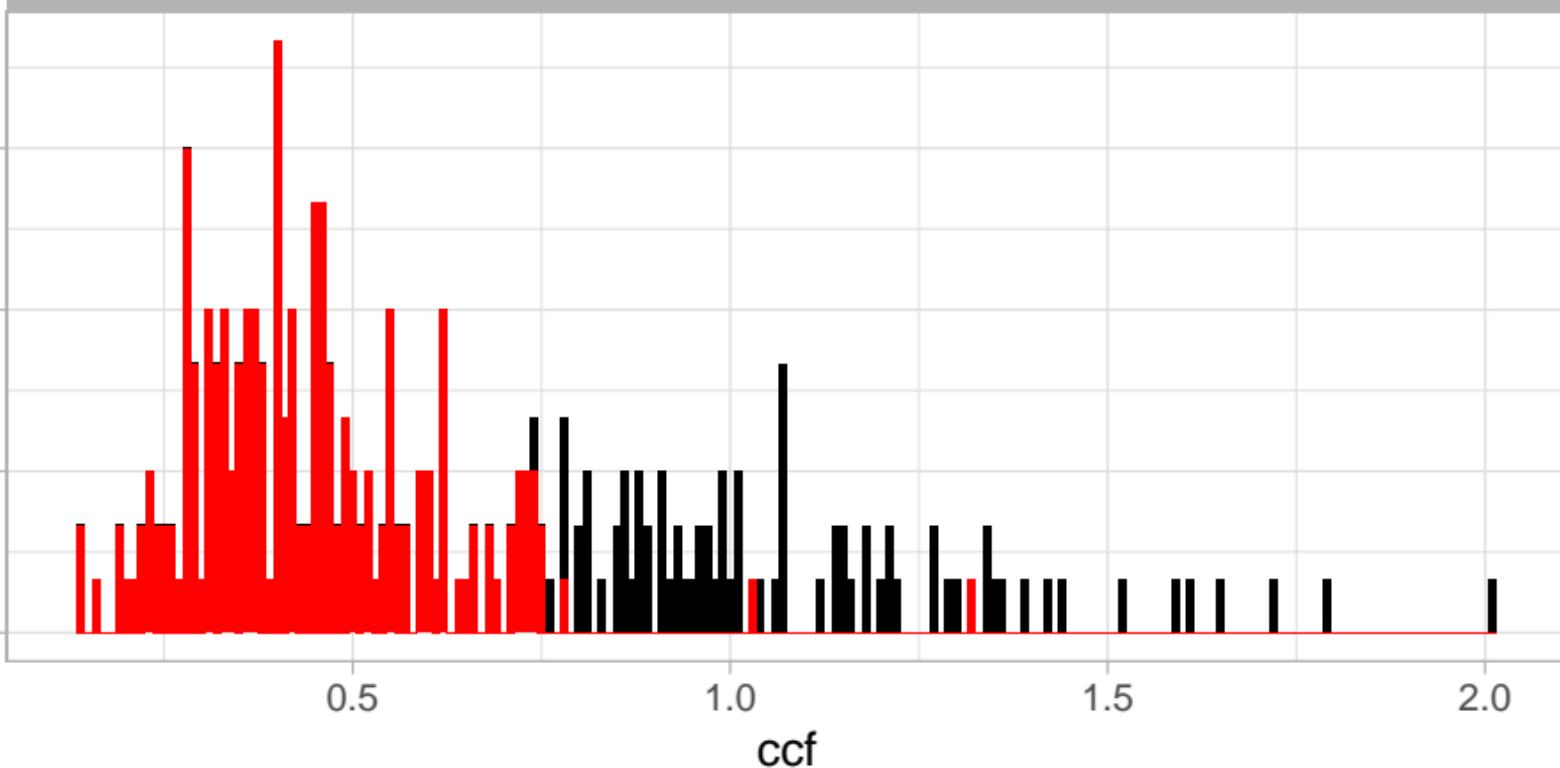
count

9
6
3
0

0.5 1.0 1.5 2.0

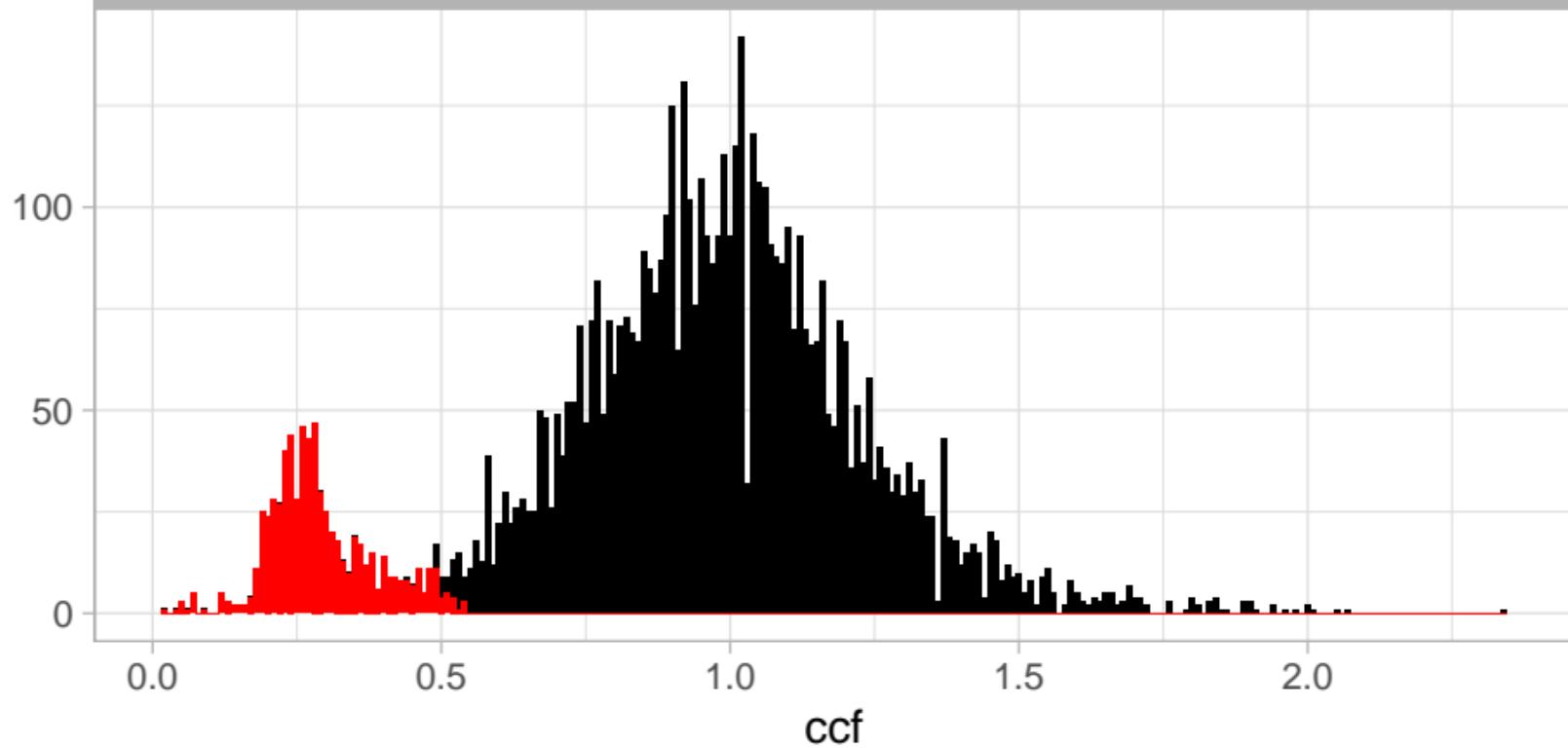
ccf

cluster tail clonal subclonal



SA507488

count



cluster ■ tail ■ clonal ■ subclonal

SA517275

count

100

75

50

25

0

0.0

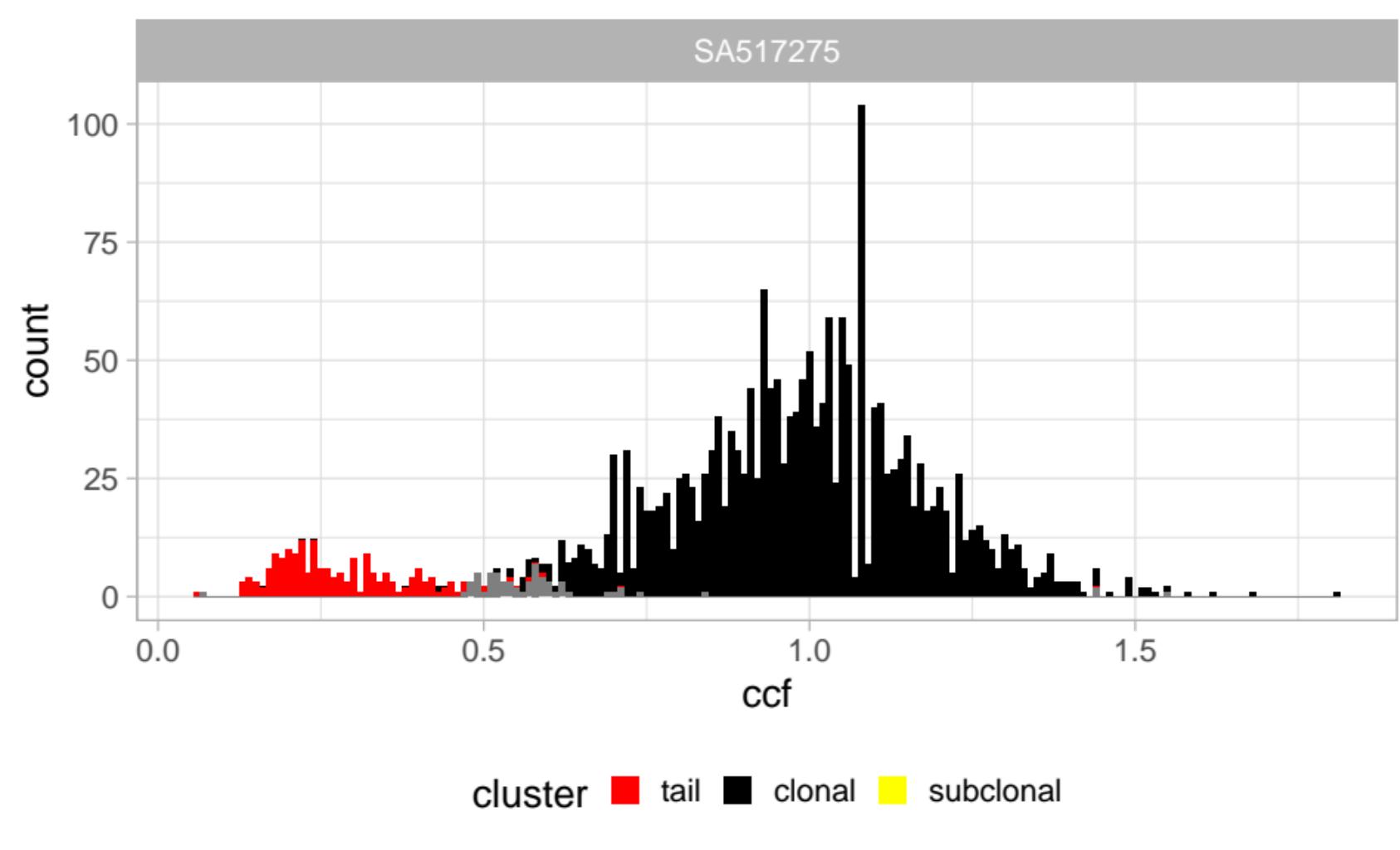
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA557491

count

2000
1500
1000
500
0

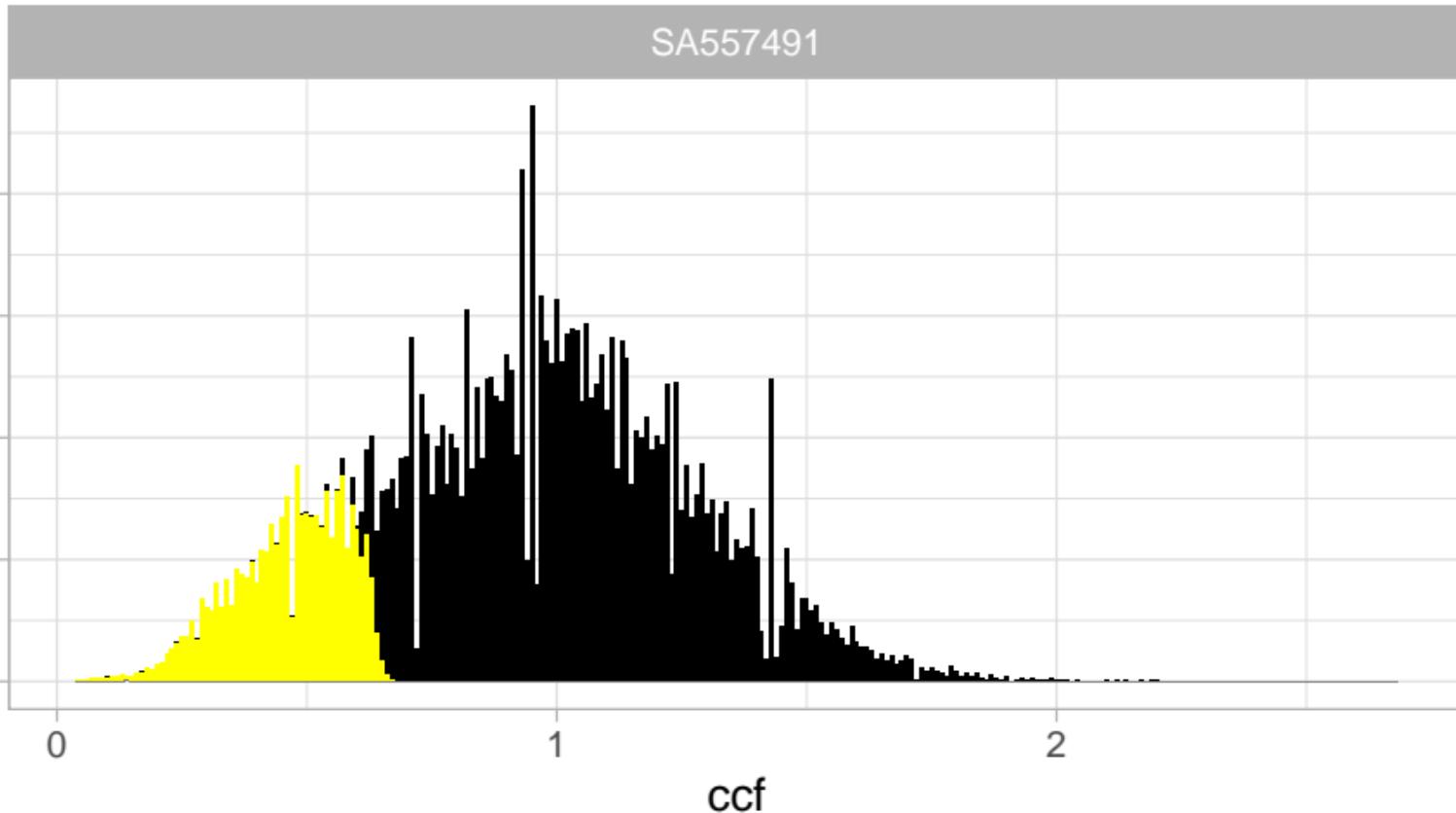
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA507321

count

900
600
300
0

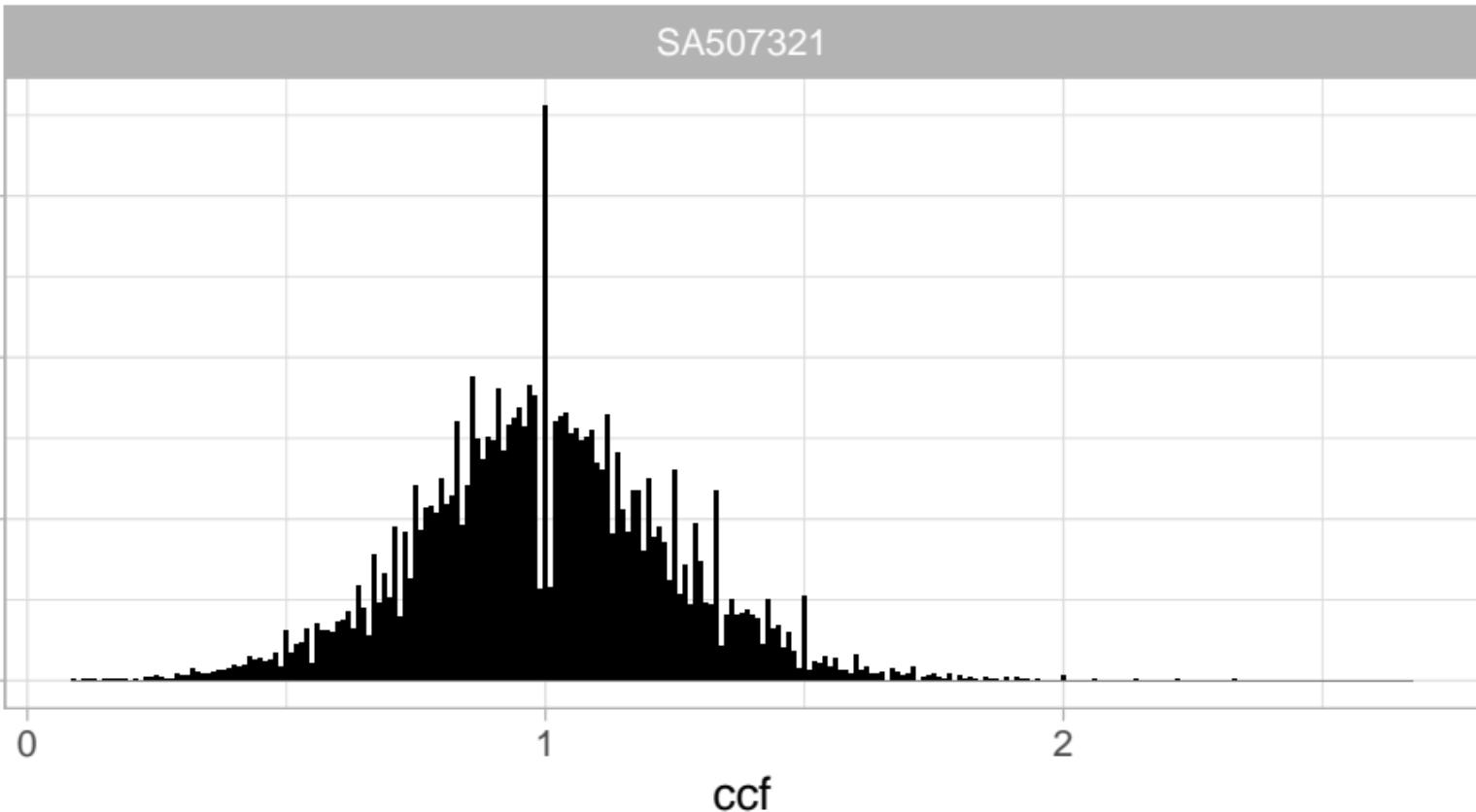
0

1

2

ccf

cluster tail clonal subclonal



SA520292

count

90
60
30
0

0 1 2

ccf

cluster tail clonal subclonal

SA570841

count

400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA542393

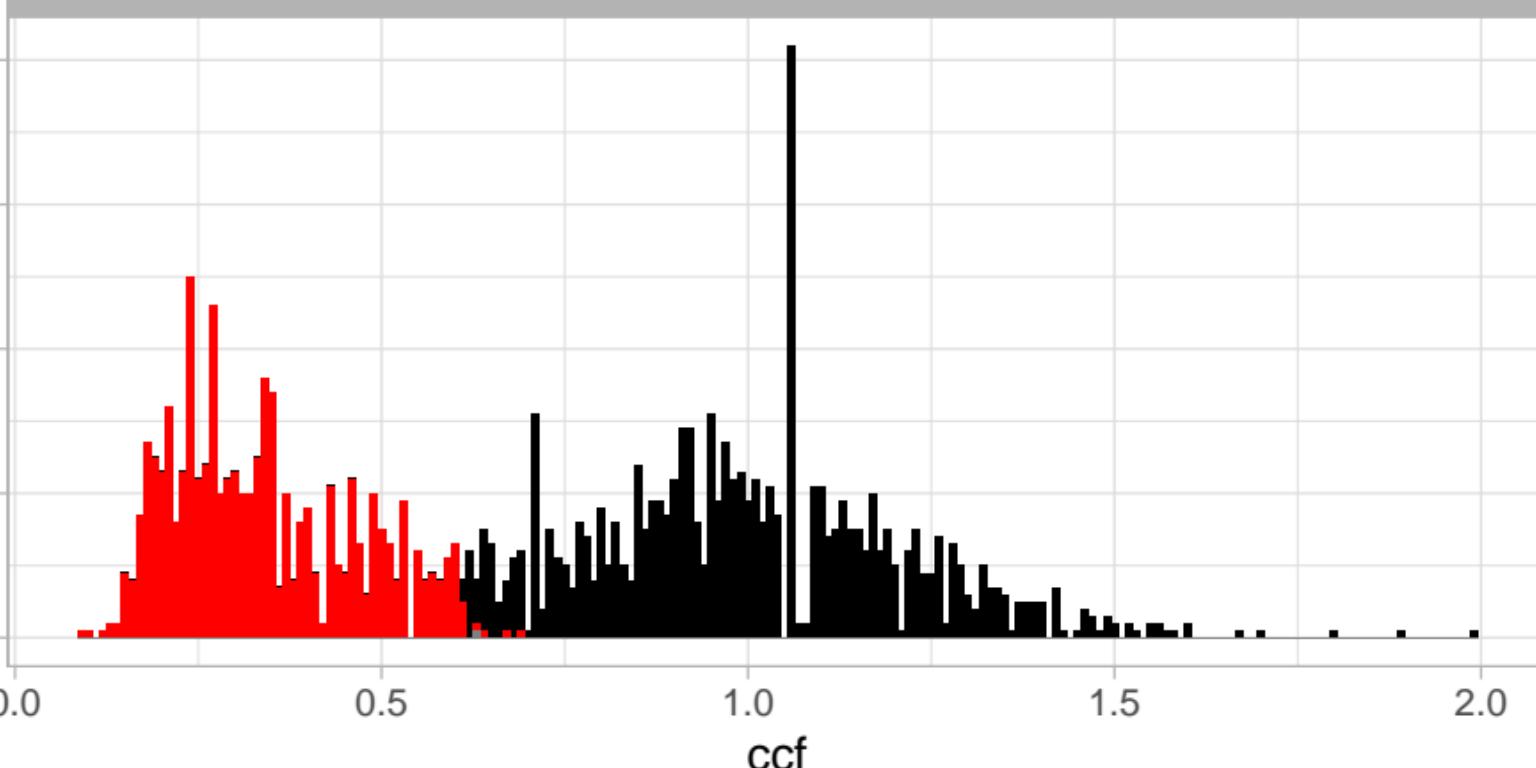
count

80
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA528949

count

2000

1000

0

0

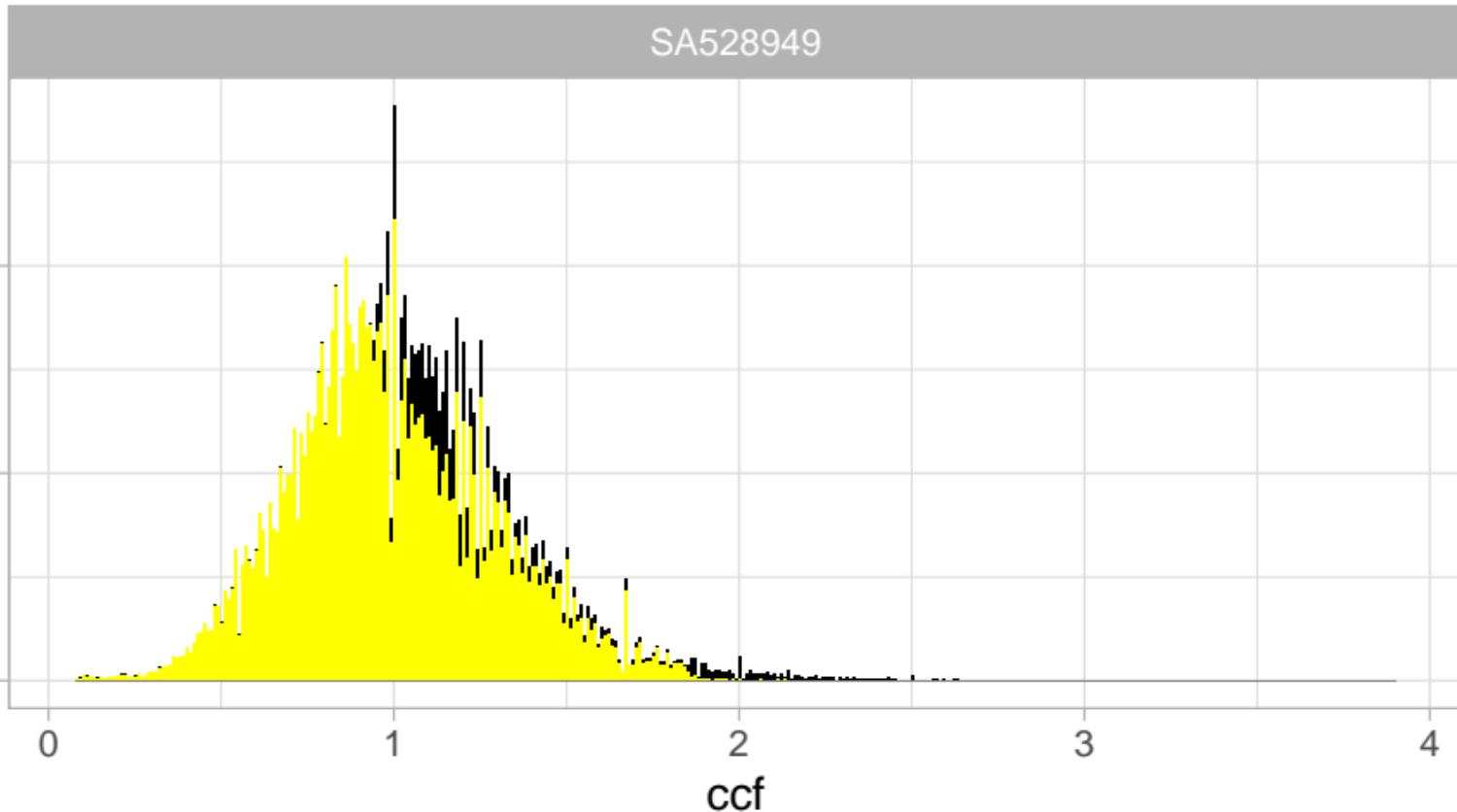
1

ccf

3

4

cluster ■ tail ■ clonal ■ subclonal



SA557328

count

150

100

50

0

0.0

0.5

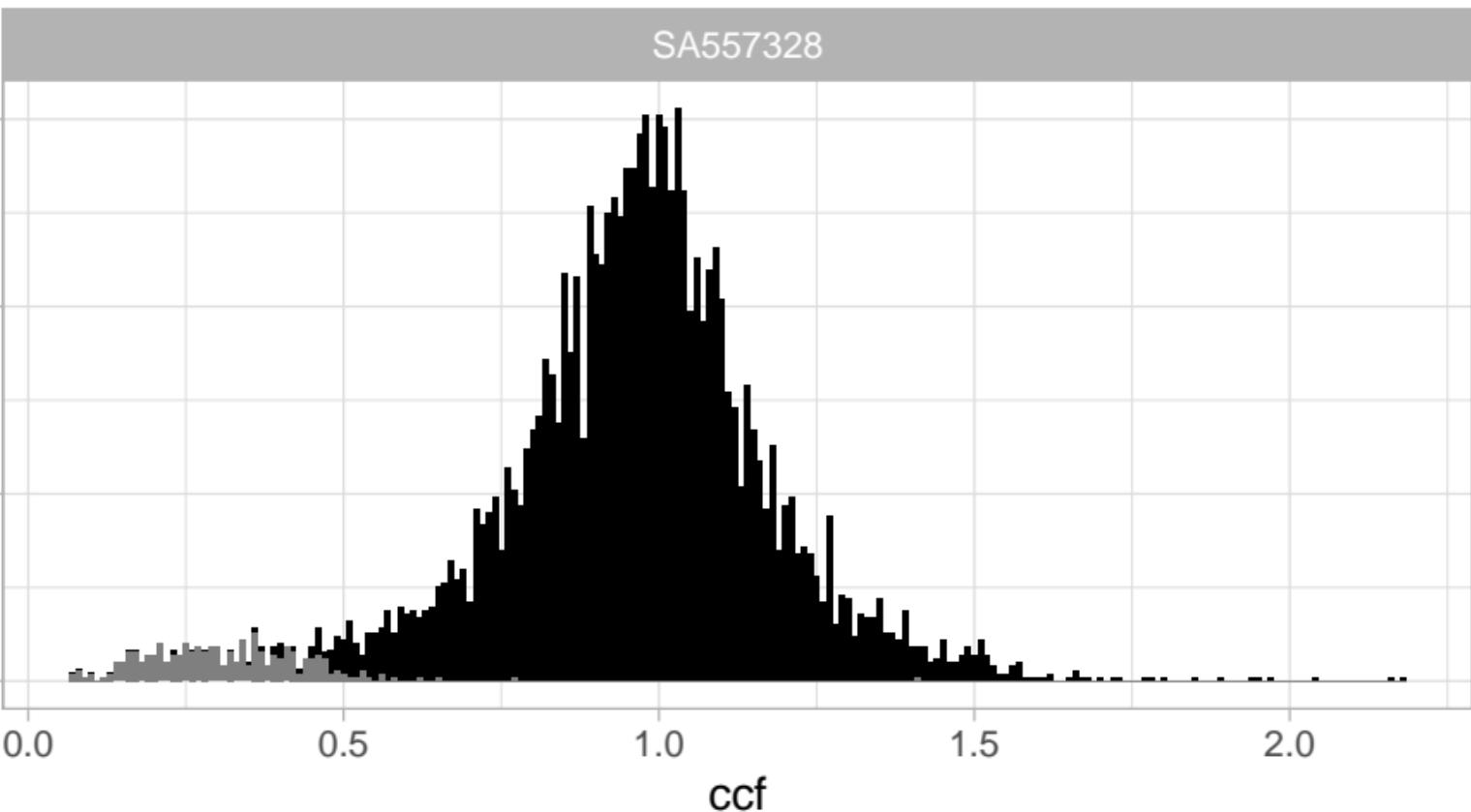
1.0

1.5

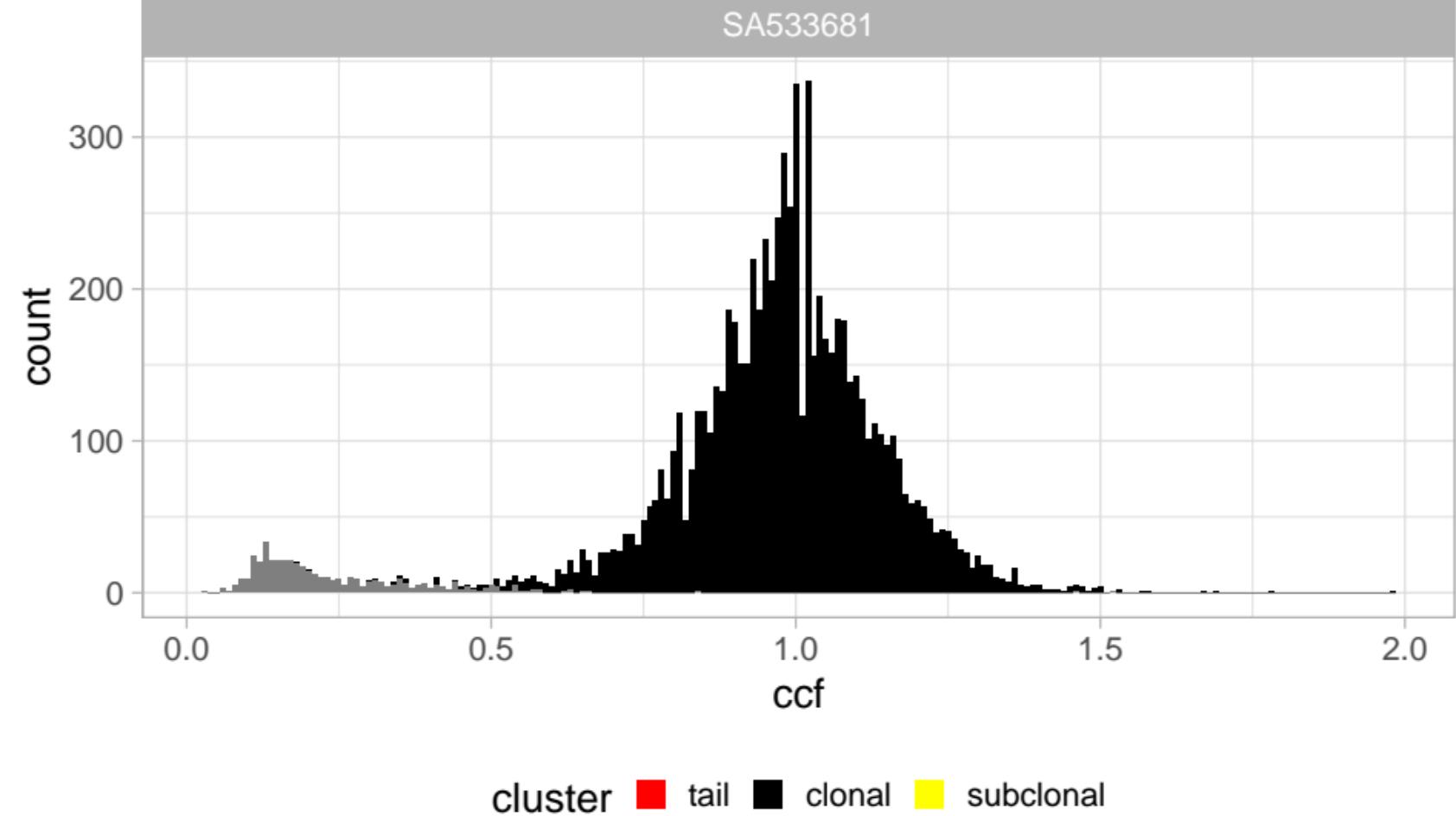
2.0

ccf

cluster tail clonal subclonal



SA533681



SA542396

count

75
50
25
0

0.0

0.5

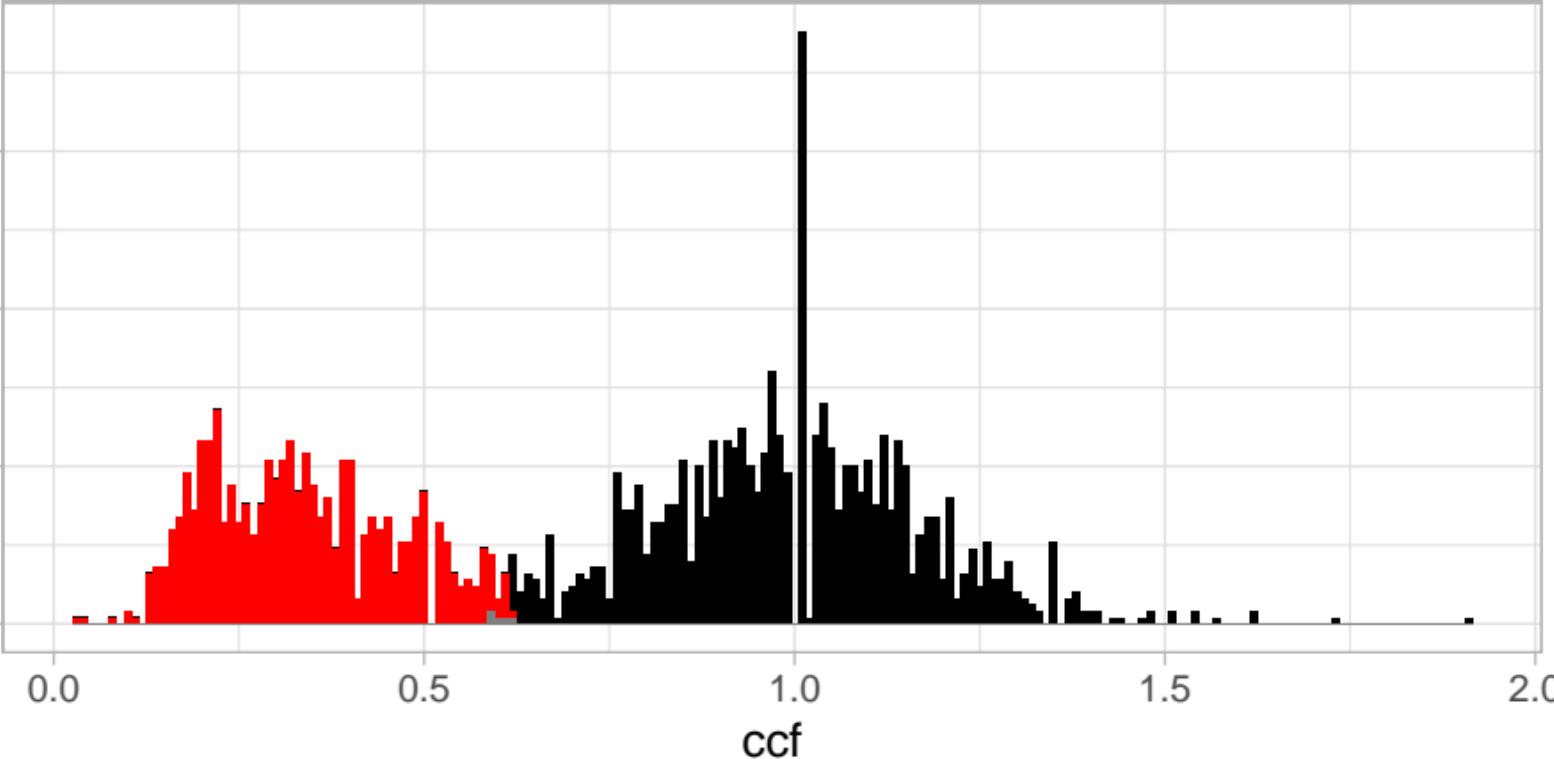
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA515261

count

400

300

200

100

0

0.0

0.5

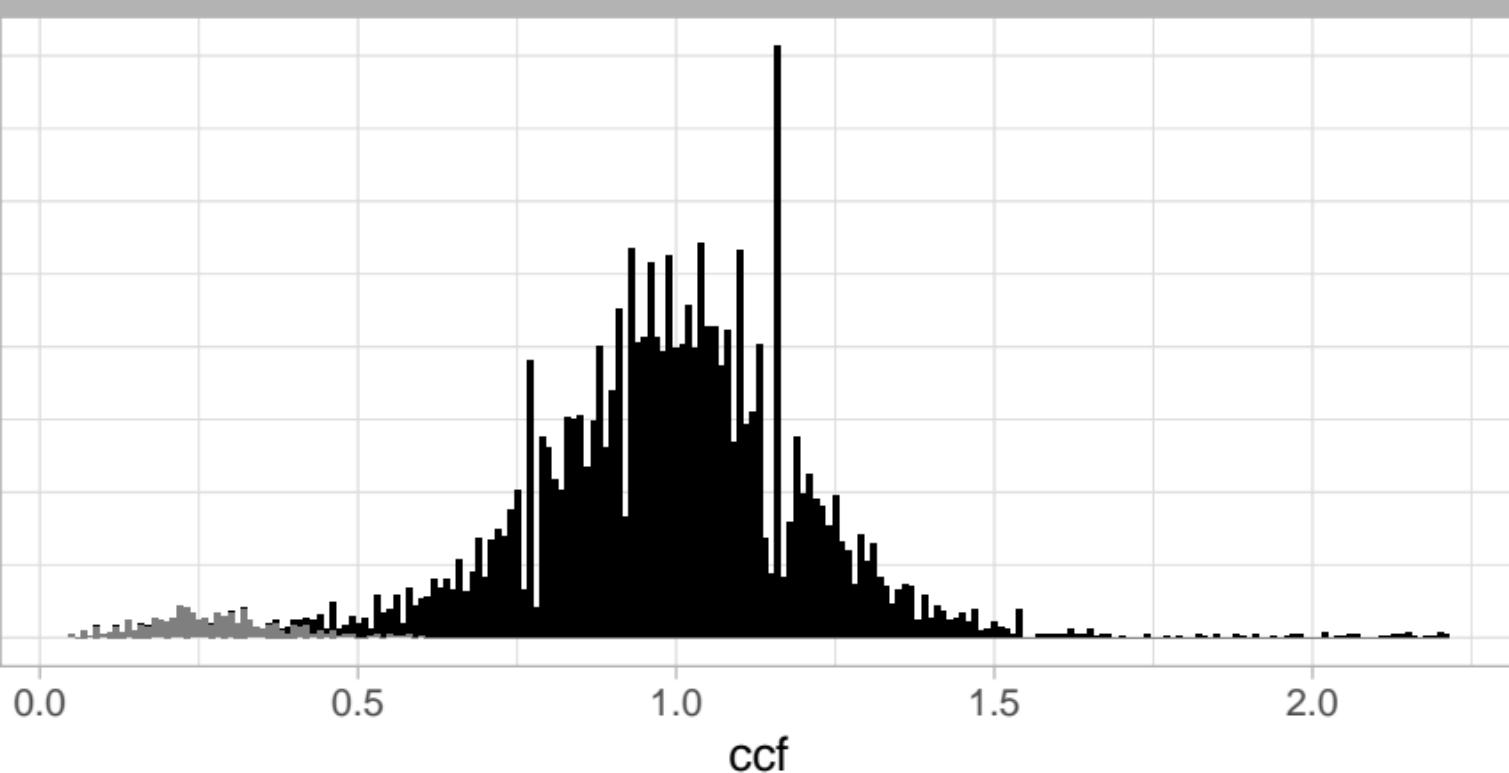
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA557353

count

4000
2000
0

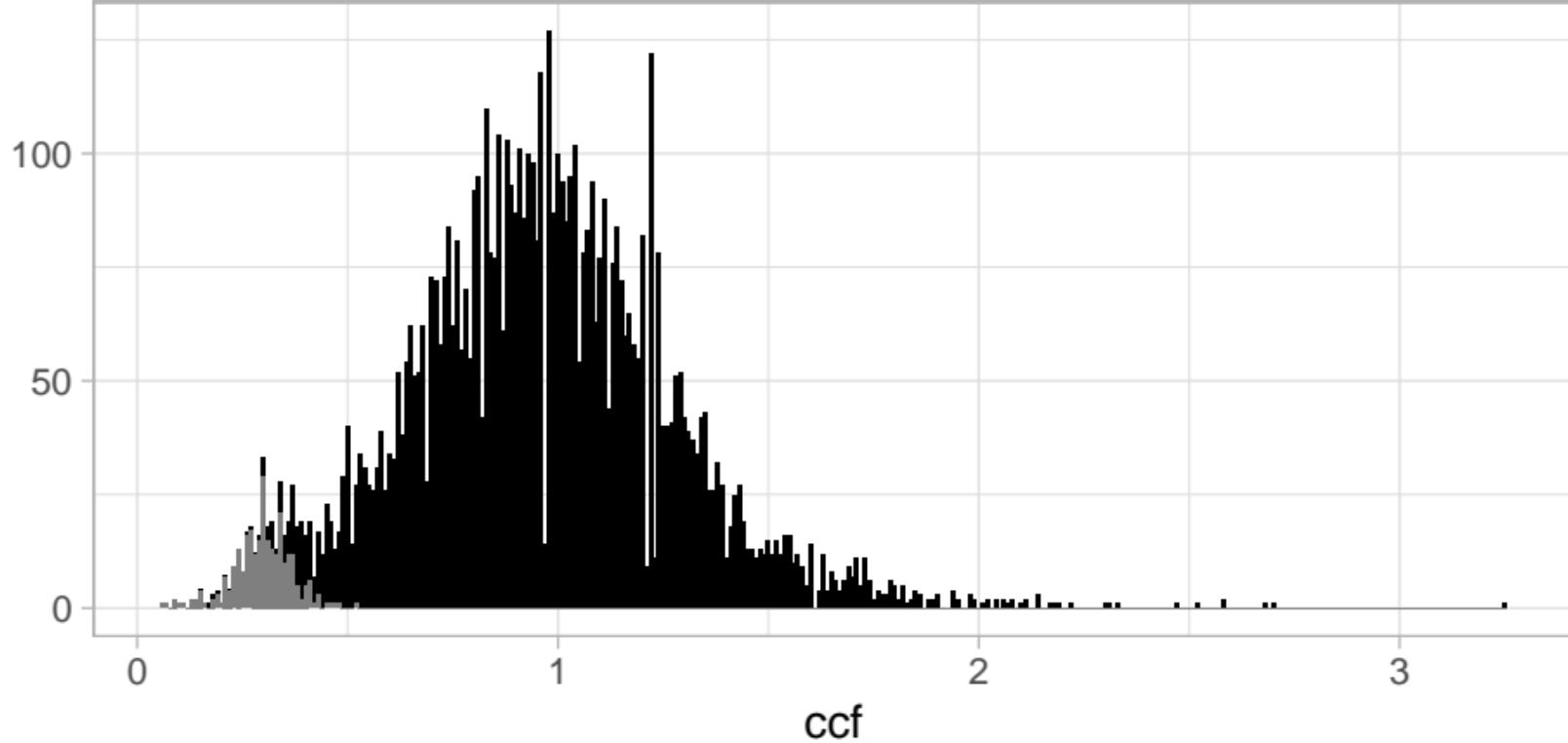
0 1 2 3

ccf

cluster tail clonal subclonal

SA530515

count



cluster ■ tail ■ clonal ■ subclonal

SA408882

count

100

50

0

0.0

0.5

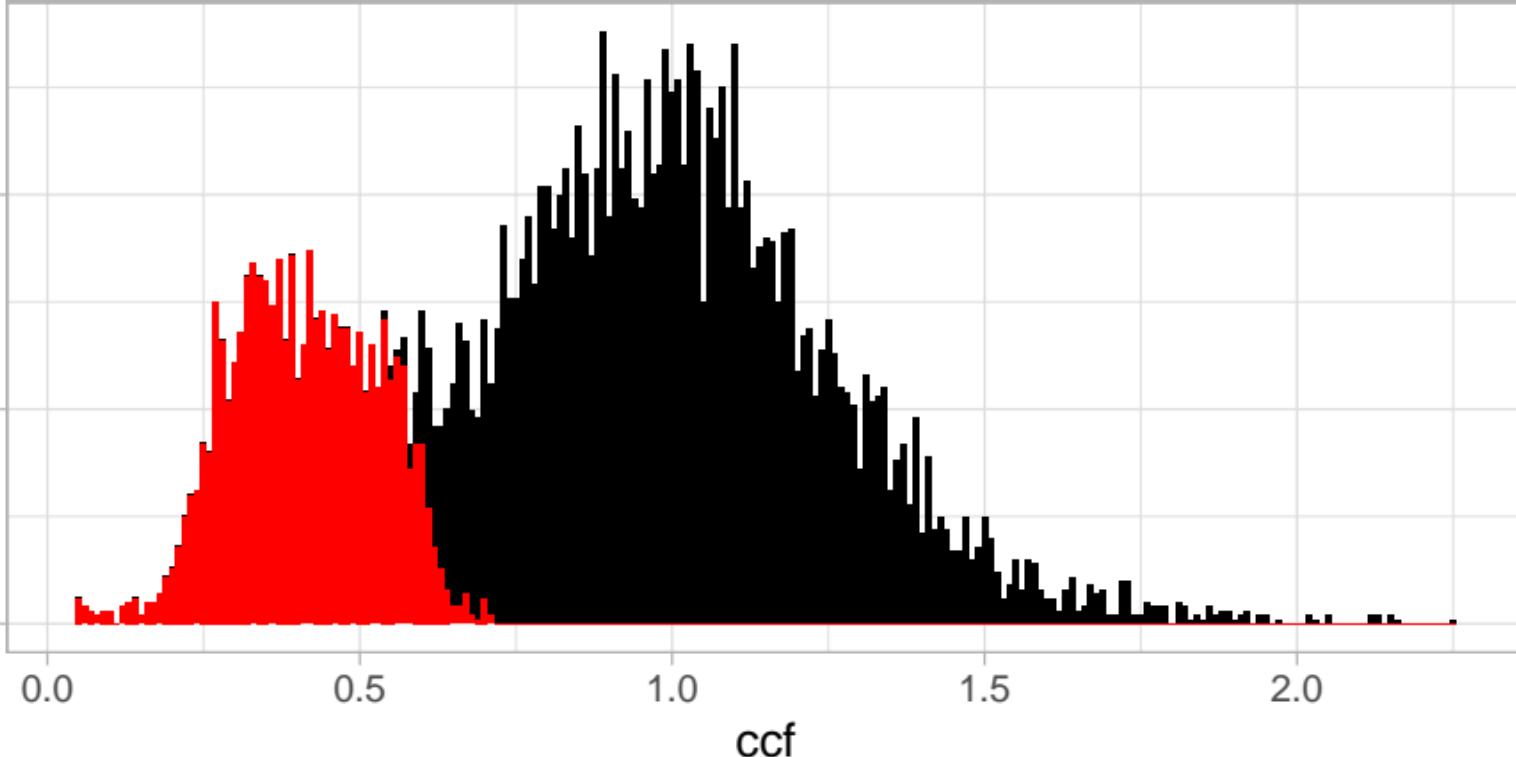
1.0

1.5

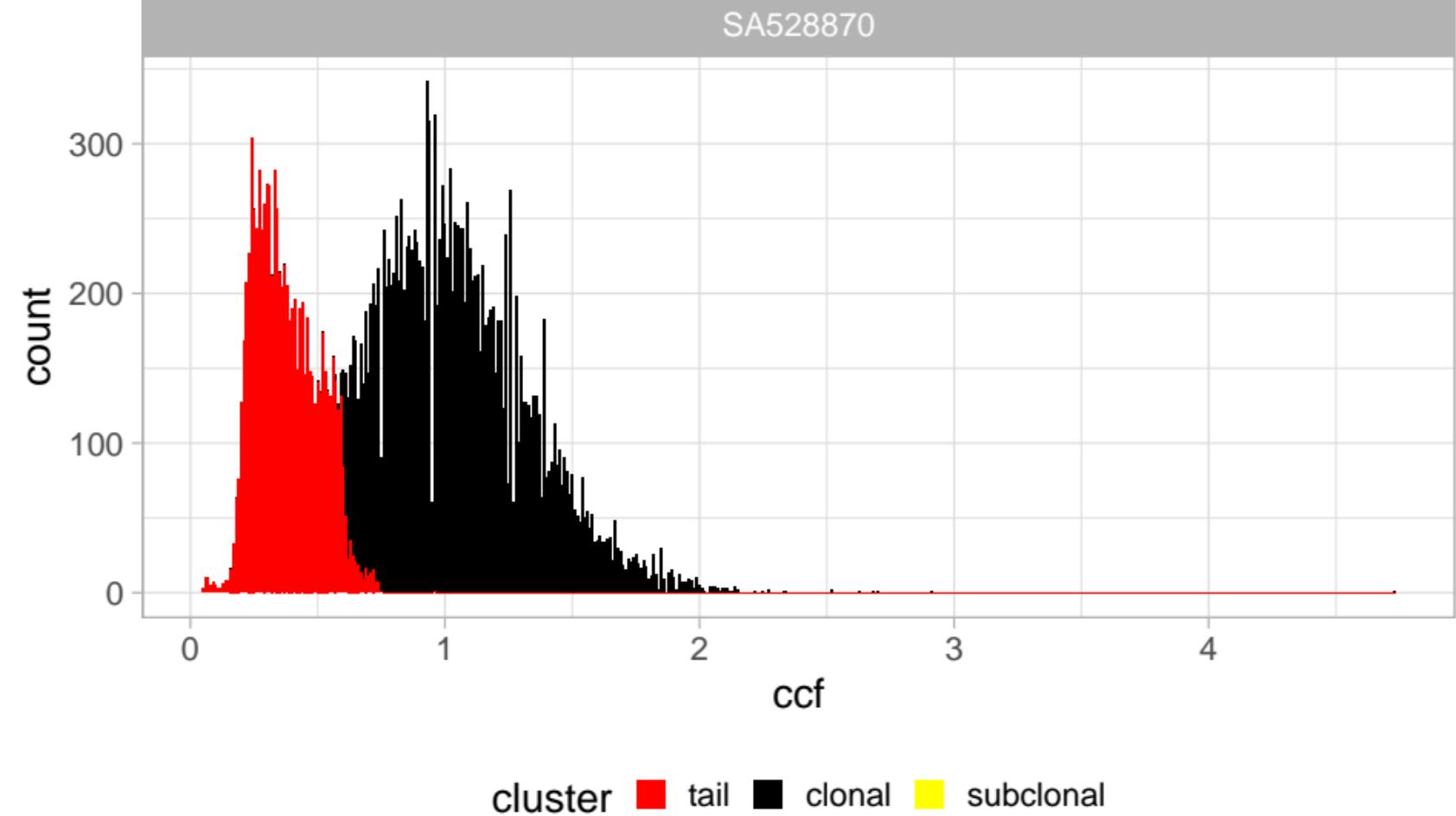
2.0

ccf

cluster tail clonal subclonal

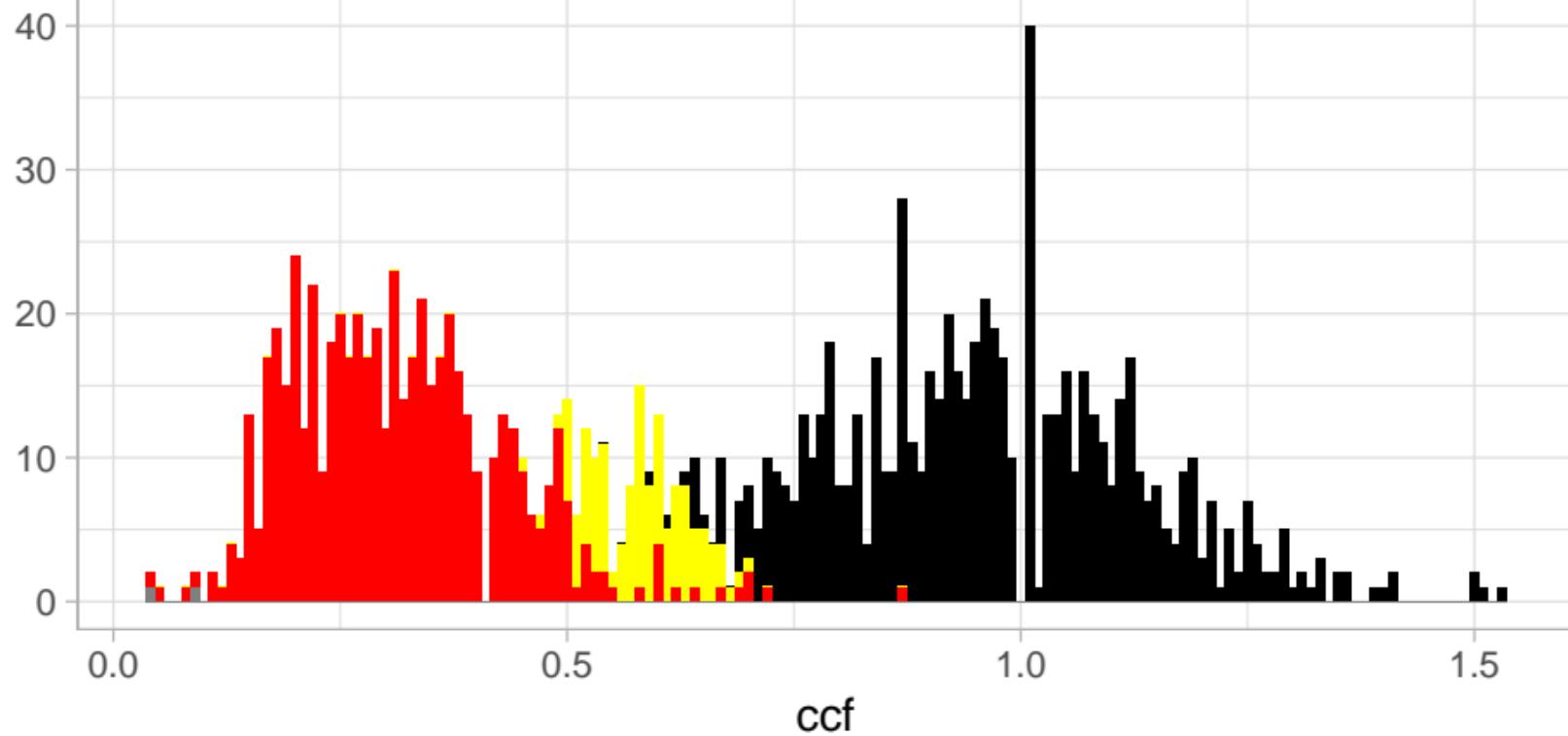


SA528870



SA517286

count



cluster ■ tail ■ clonal ■ subclonal

SA413880

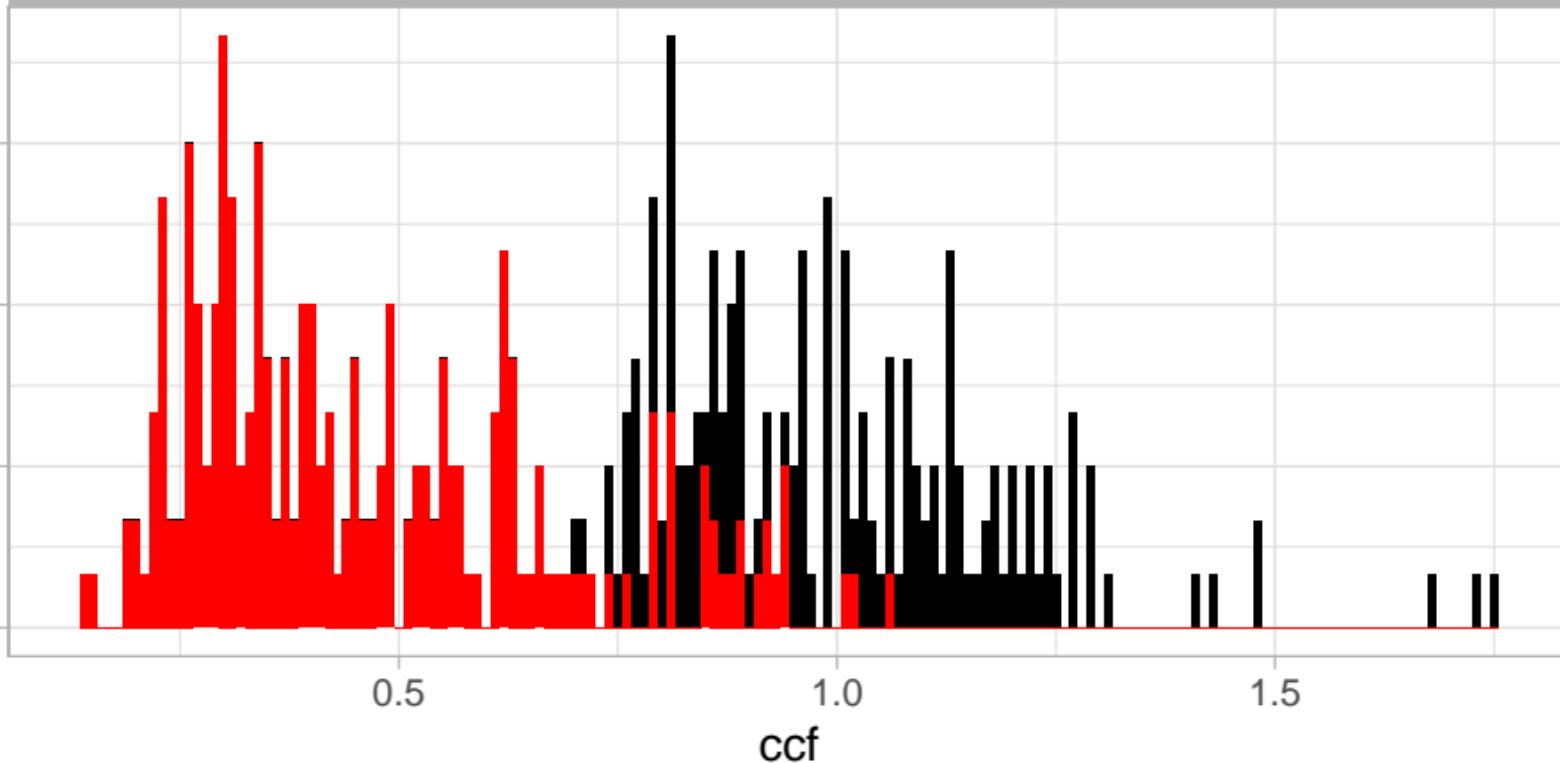
count

9
6
3
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA130919

count

400
300
200
100
0

0

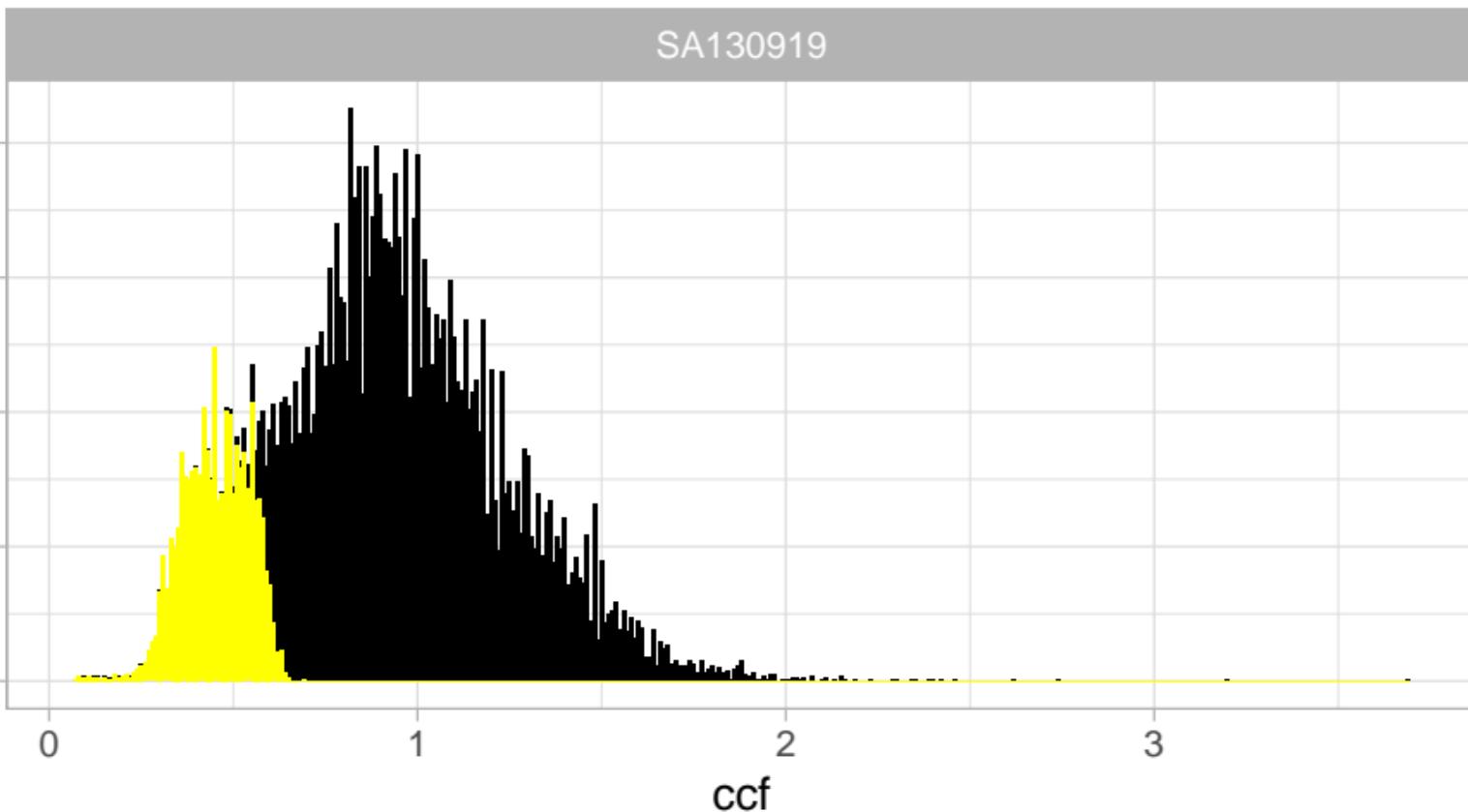
1

2

3

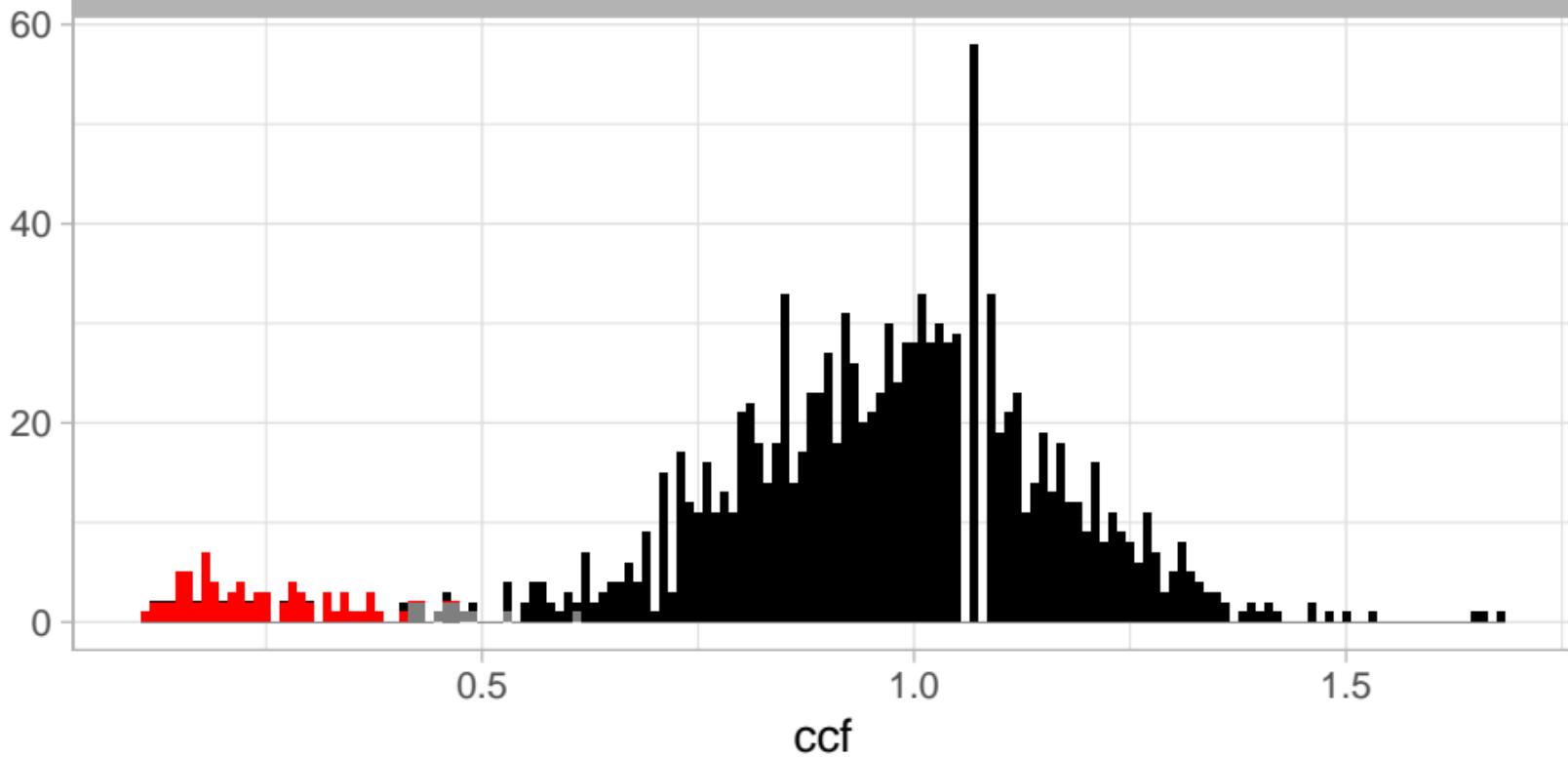
ccf

cluster tail clonal subclonal



SA413278

count



cluster ■ tail ■ clonal ■ subclonal

SA533803

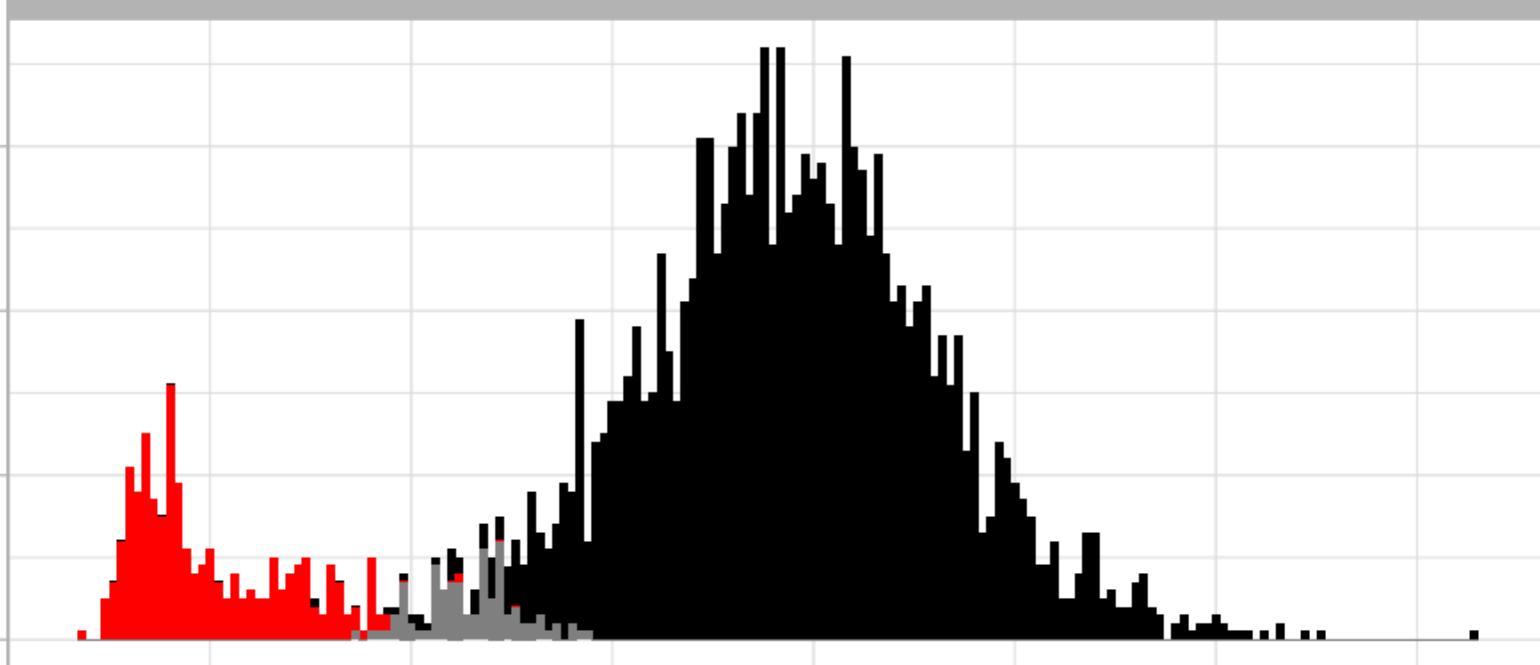
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA507128

count

150

100

50

0

0.0

0.5

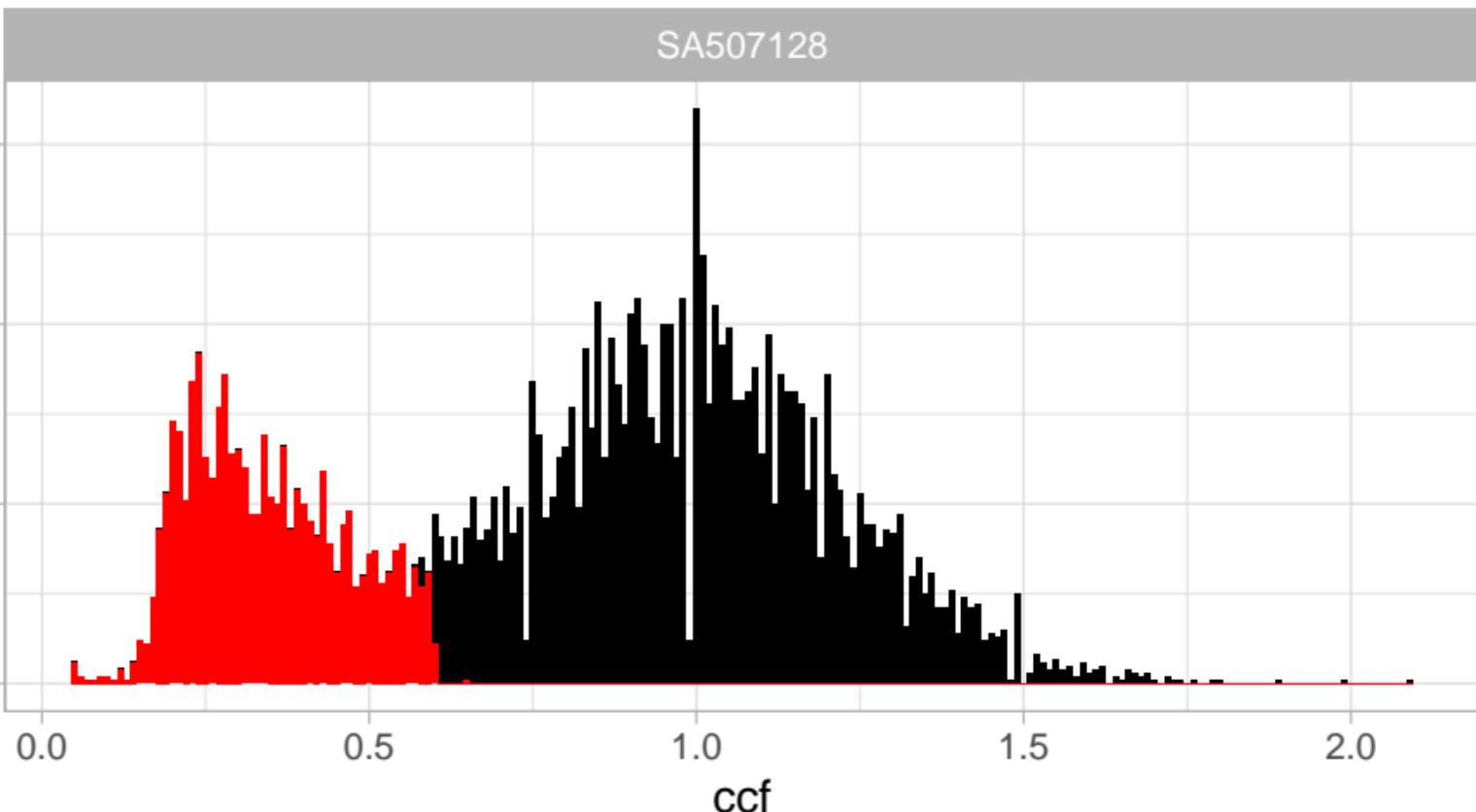
1.0

1.5

2.0

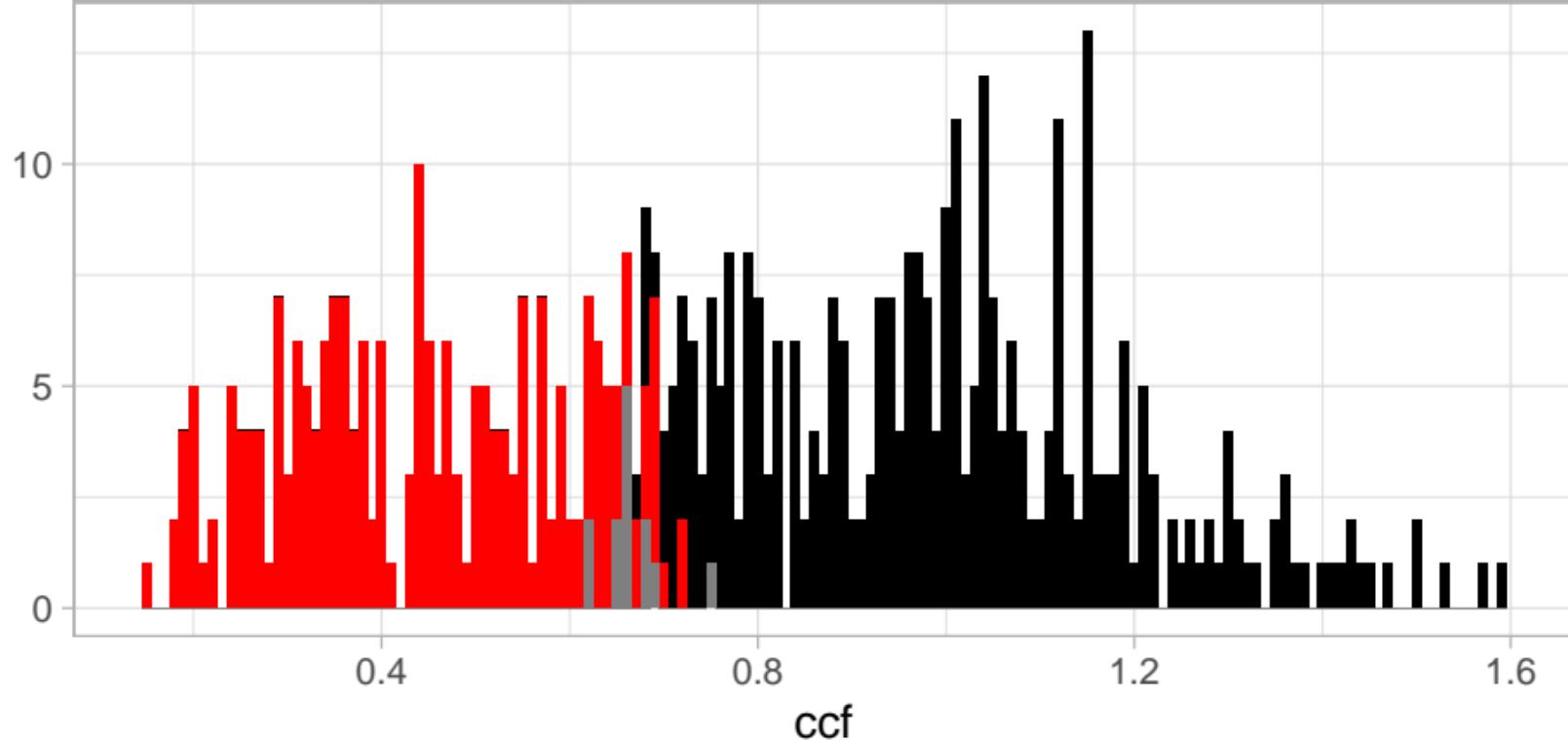
ccf

cluster tail clonal subclonal



SA414175

count



cluster ■ tail ■ clonal ■ subclonal

SA413330

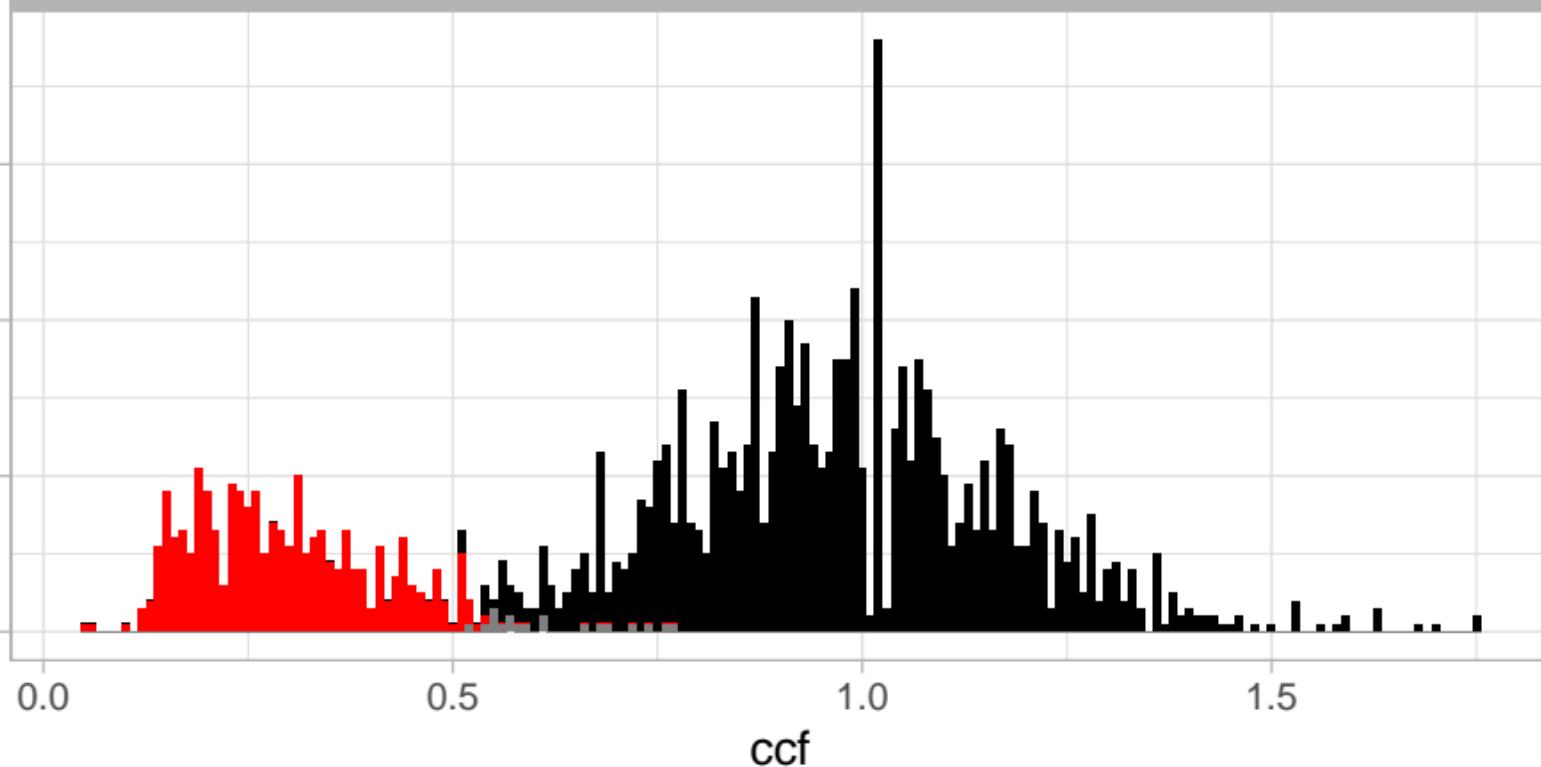
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA517384

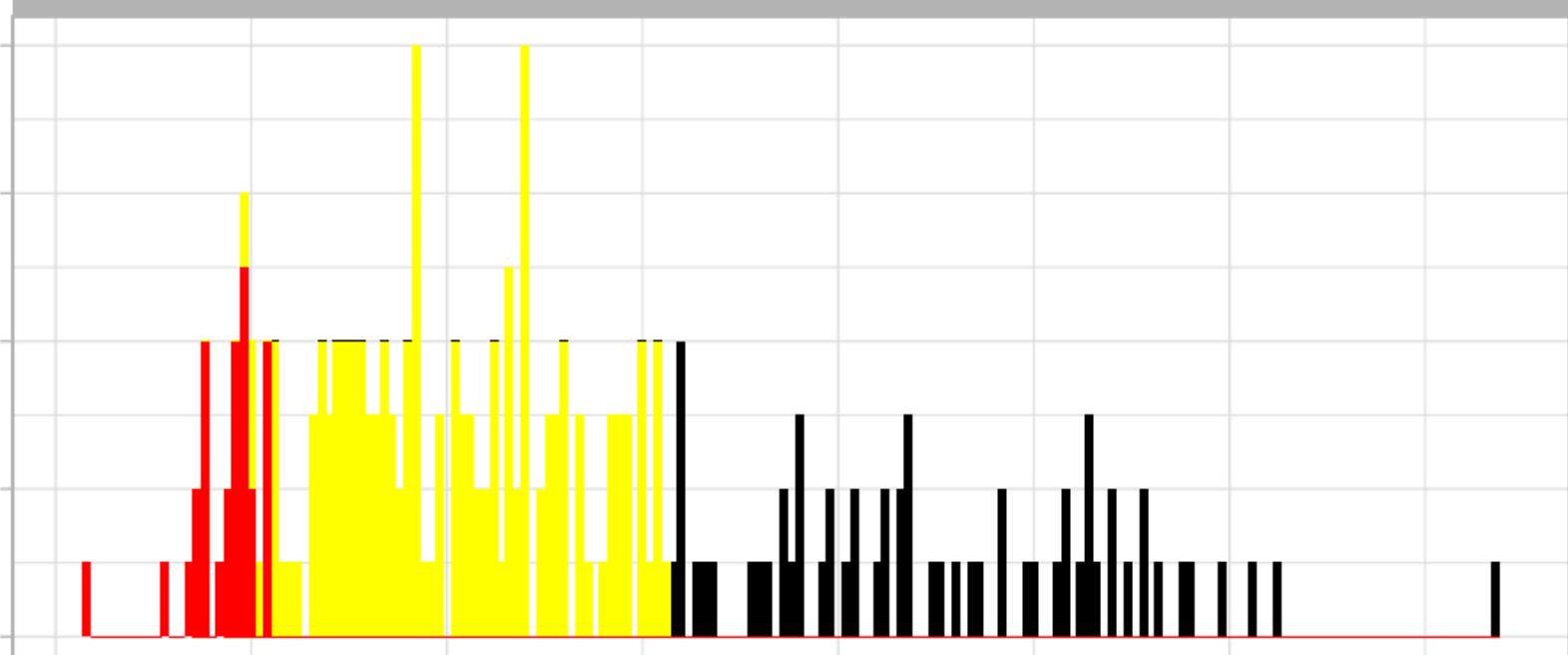
count

8
6
4
2
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA558649

count

125
100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal

SA530472

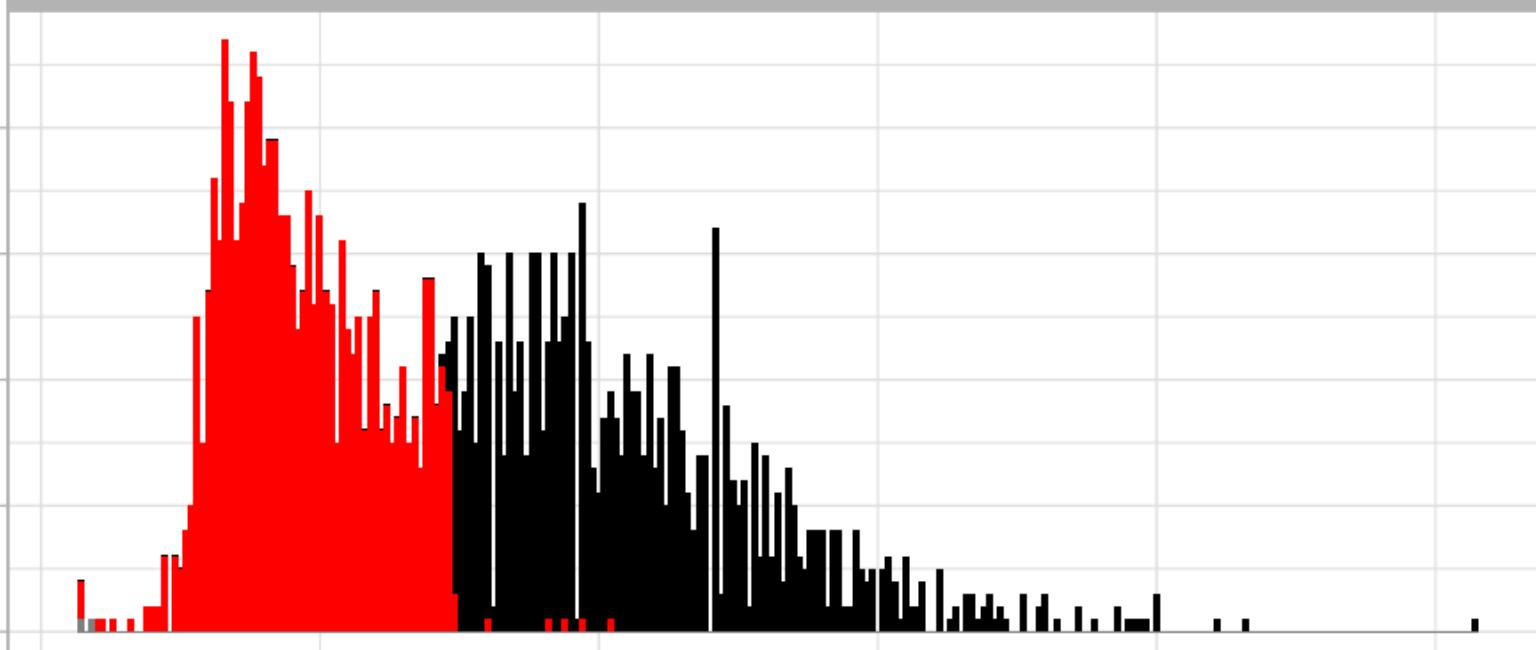
count

40
30
20
10
0

0 1 2

ccf

cluster tail clonal subclonal



SA517387

count

30

20

10

0

0.0

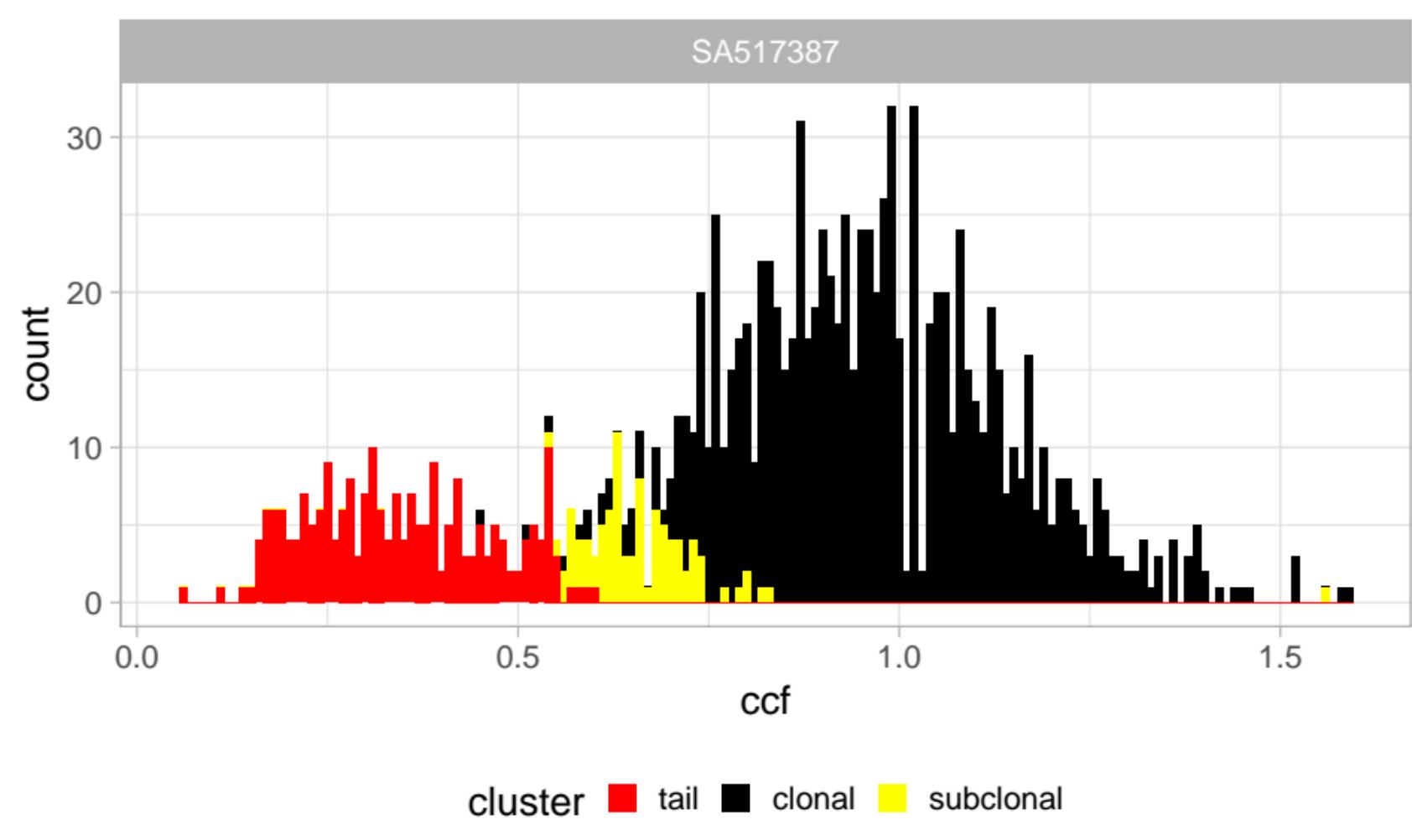
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA505563

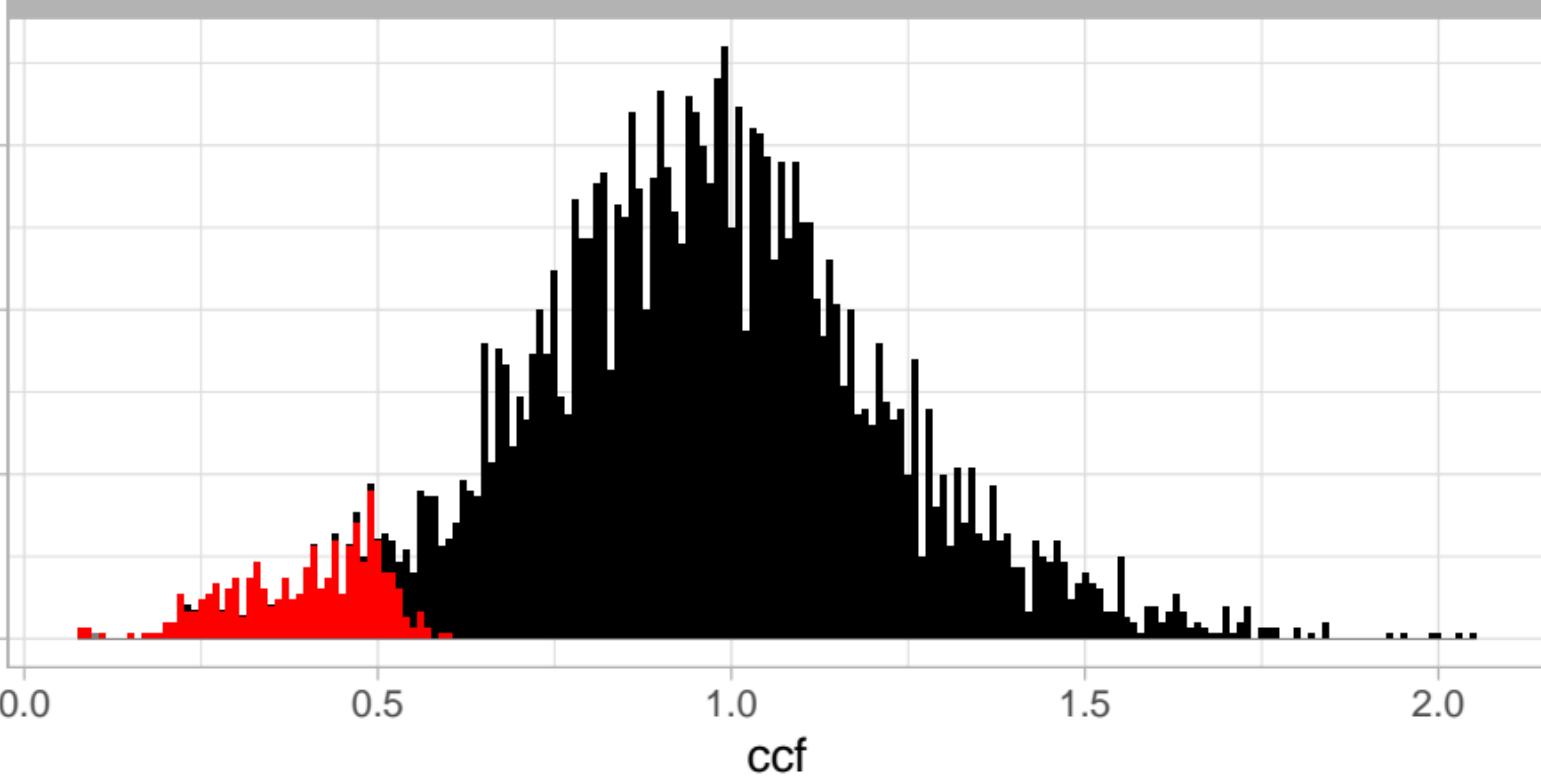
count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA517262

count

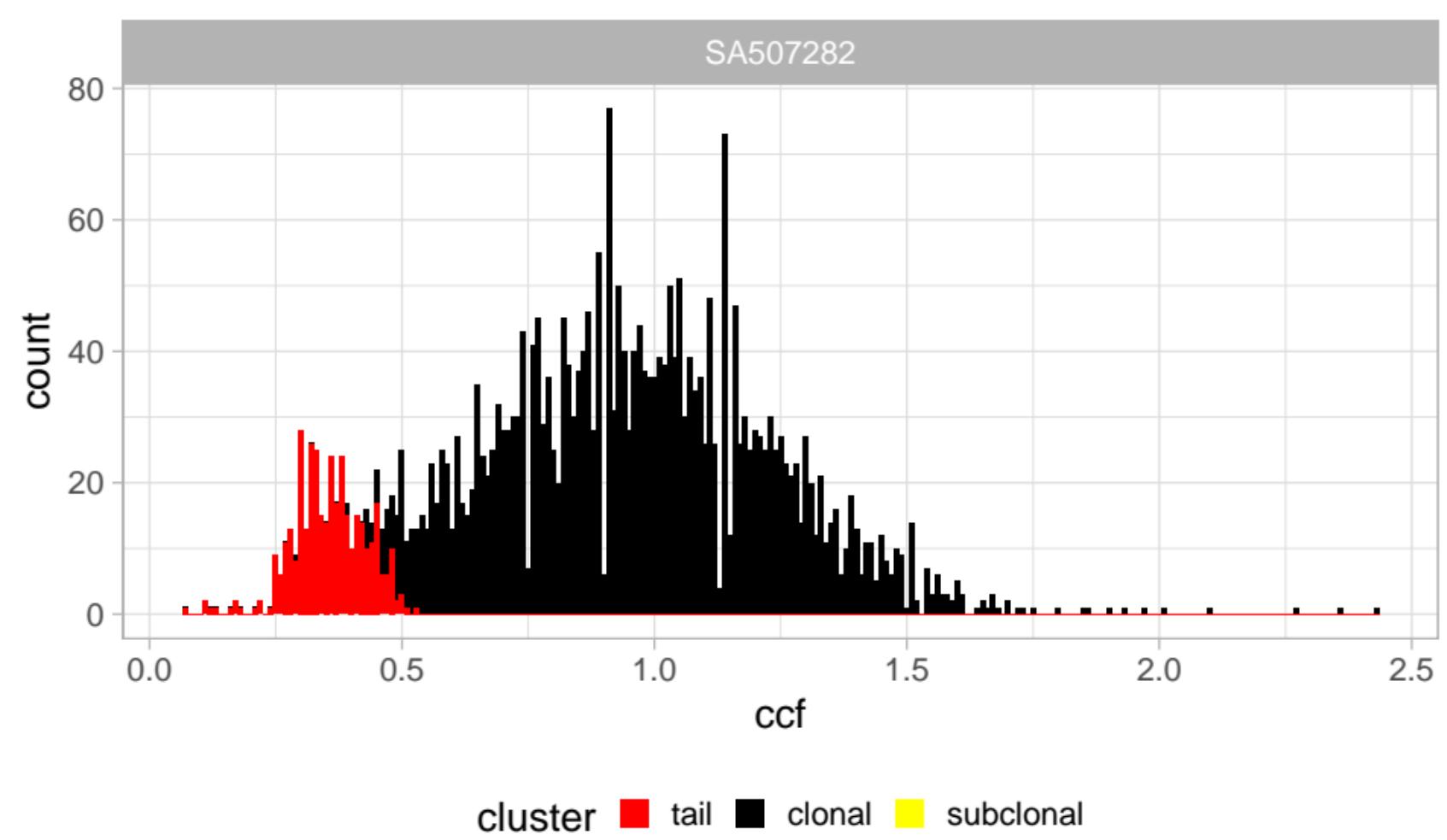
20
15
10
5
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA507282



SA413488

count

100

75

50

25

0

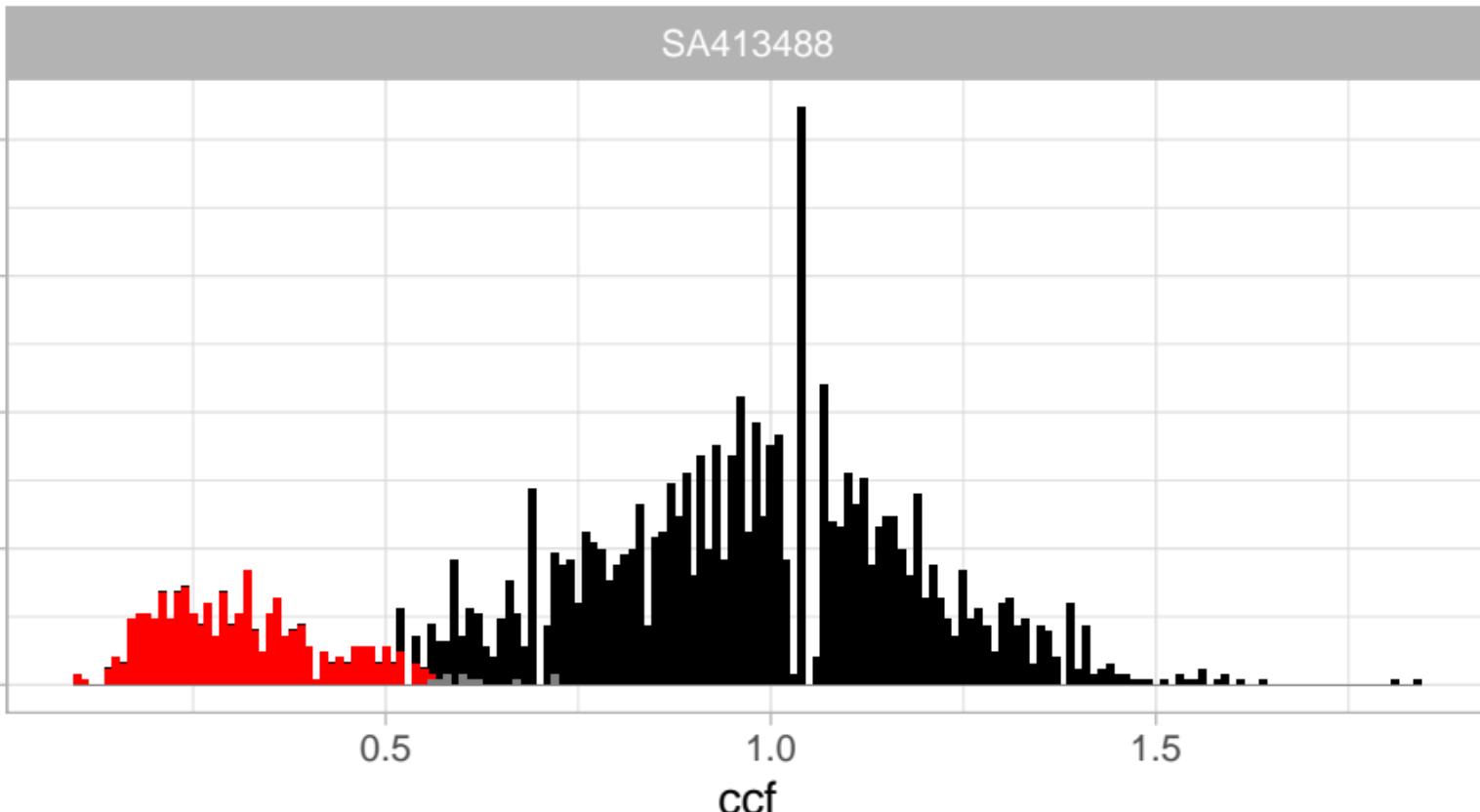
0.5

1.0

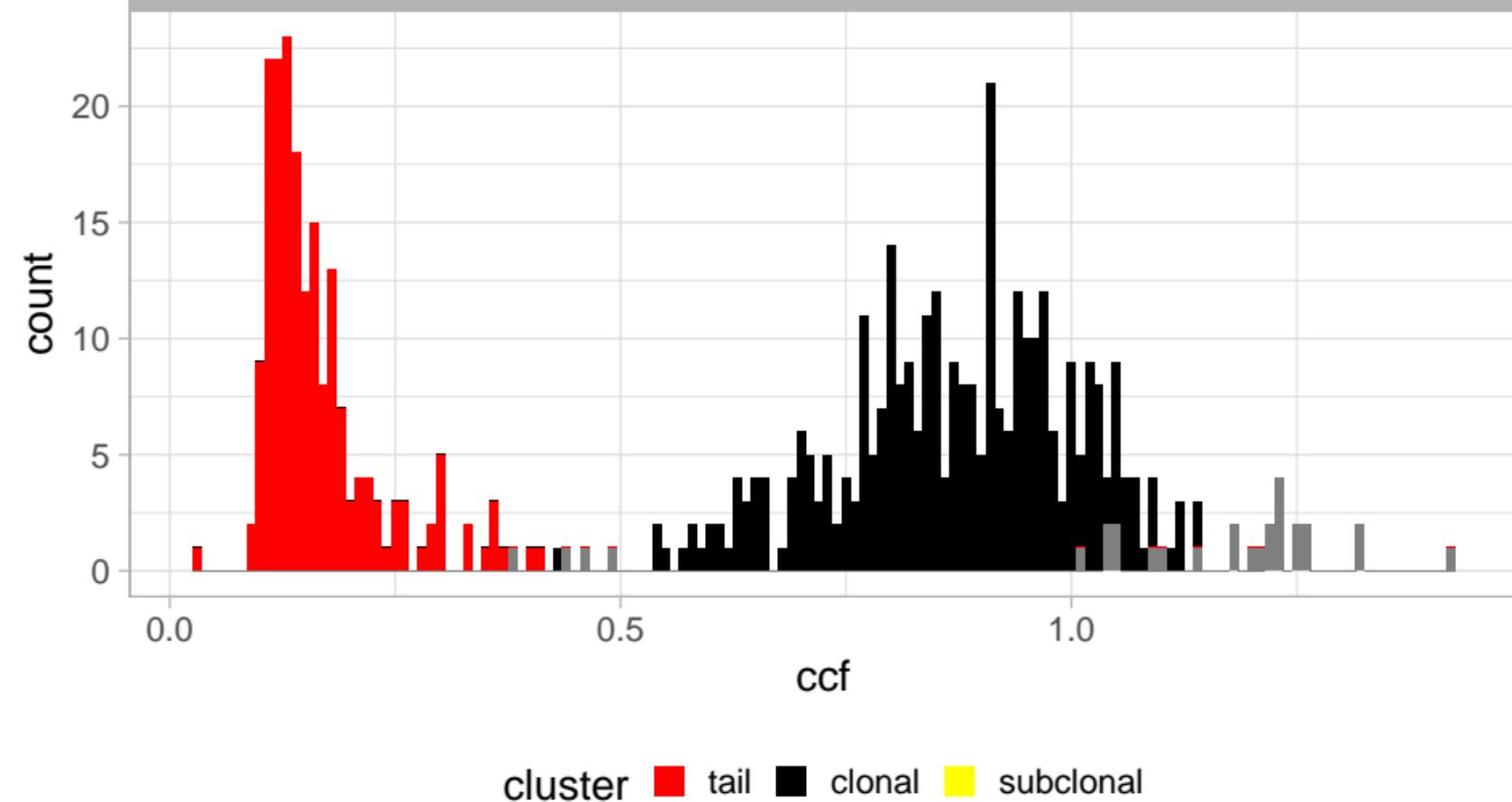
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA506679



SA505835

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA501371

count

150

100

50

0

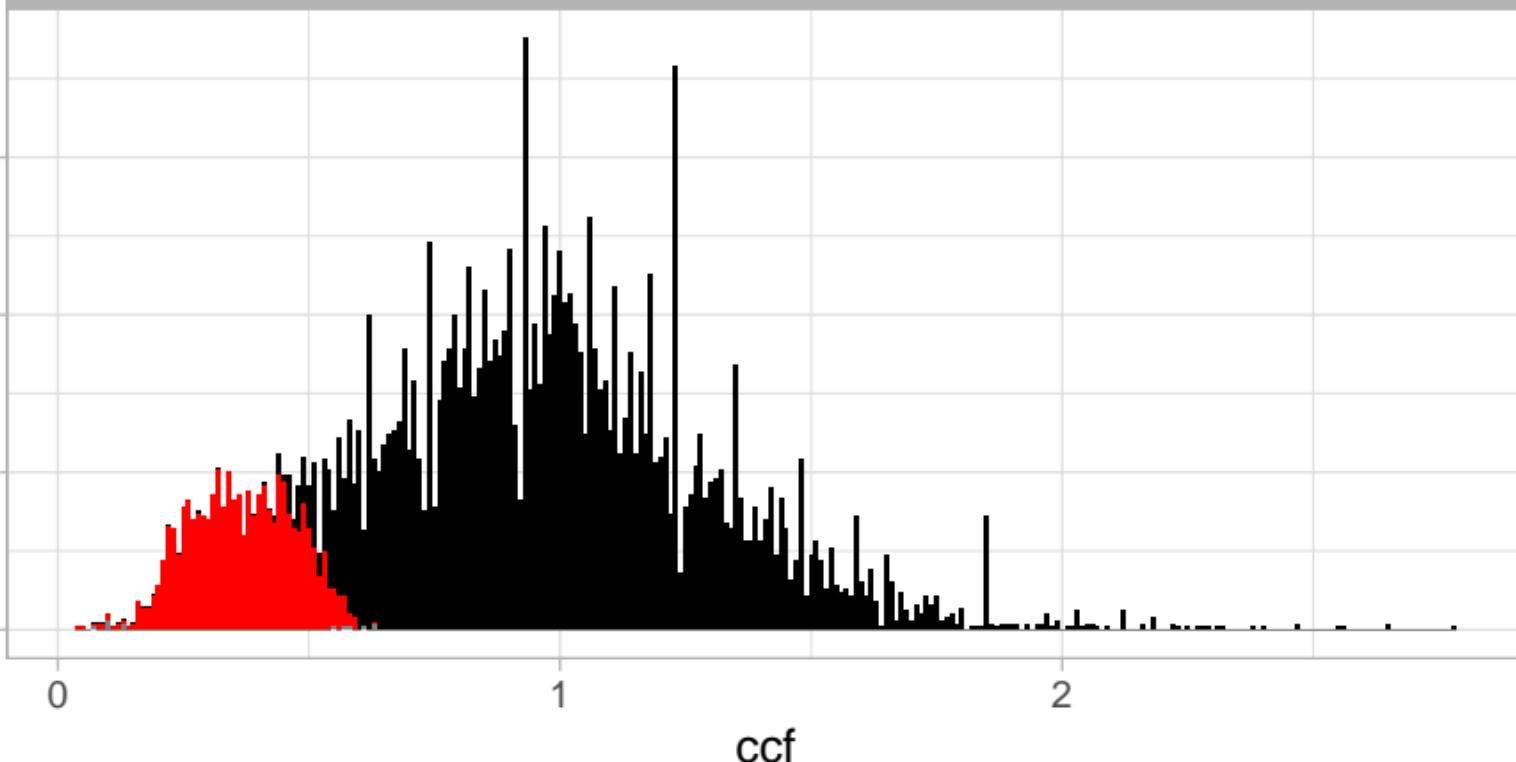
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA409538

count

100
75
50
25
0

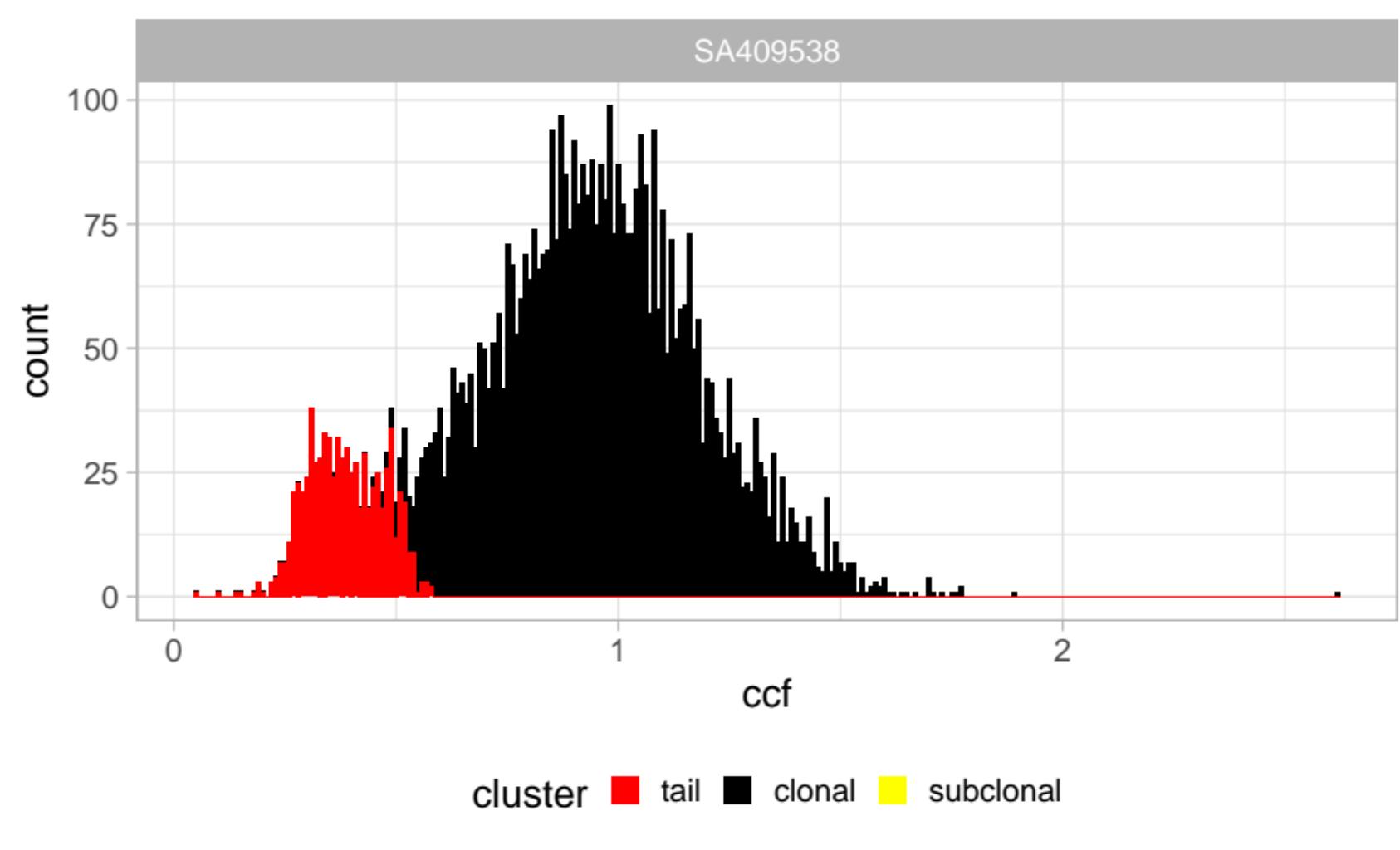
0

1

2

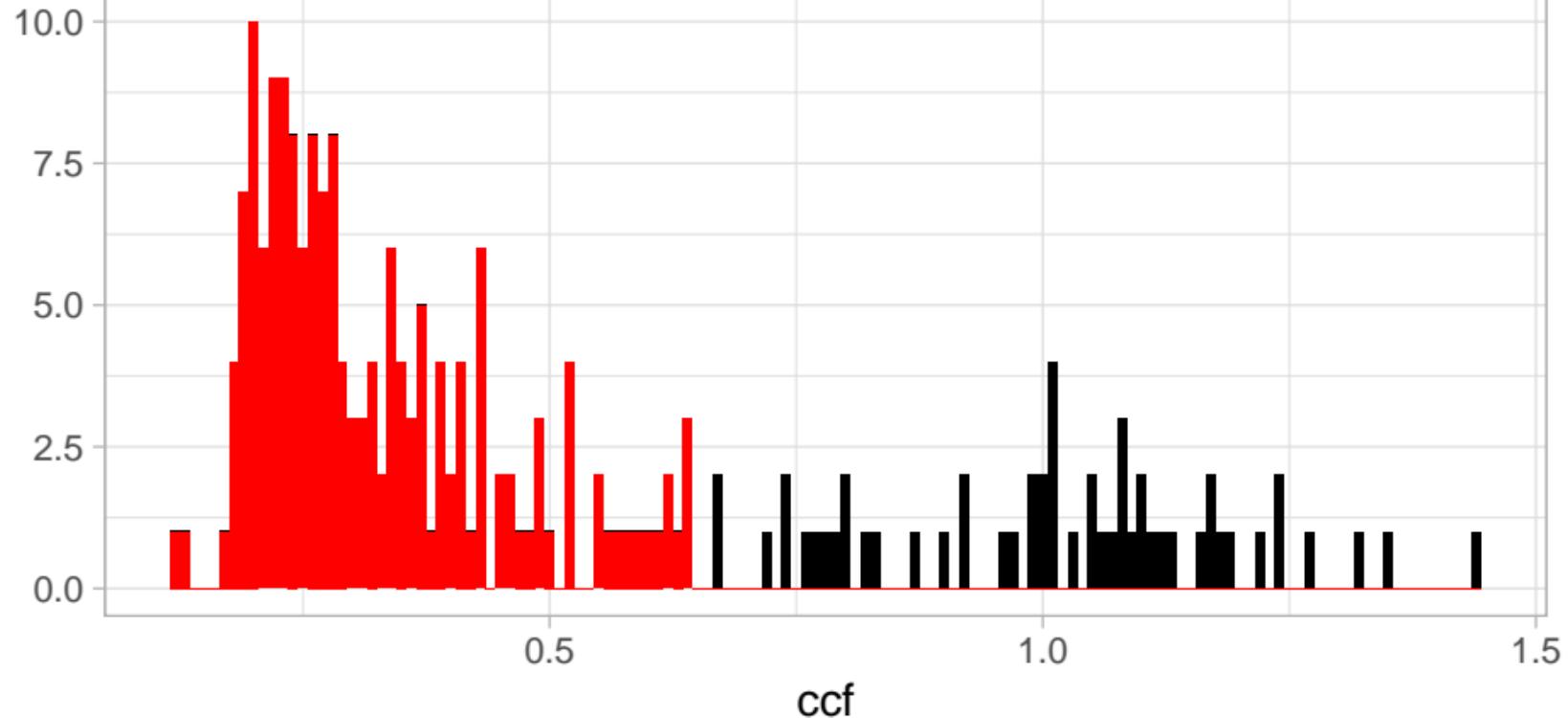
ccf

cluster ■ tail ■ clonal ■ subclonal



SA413646

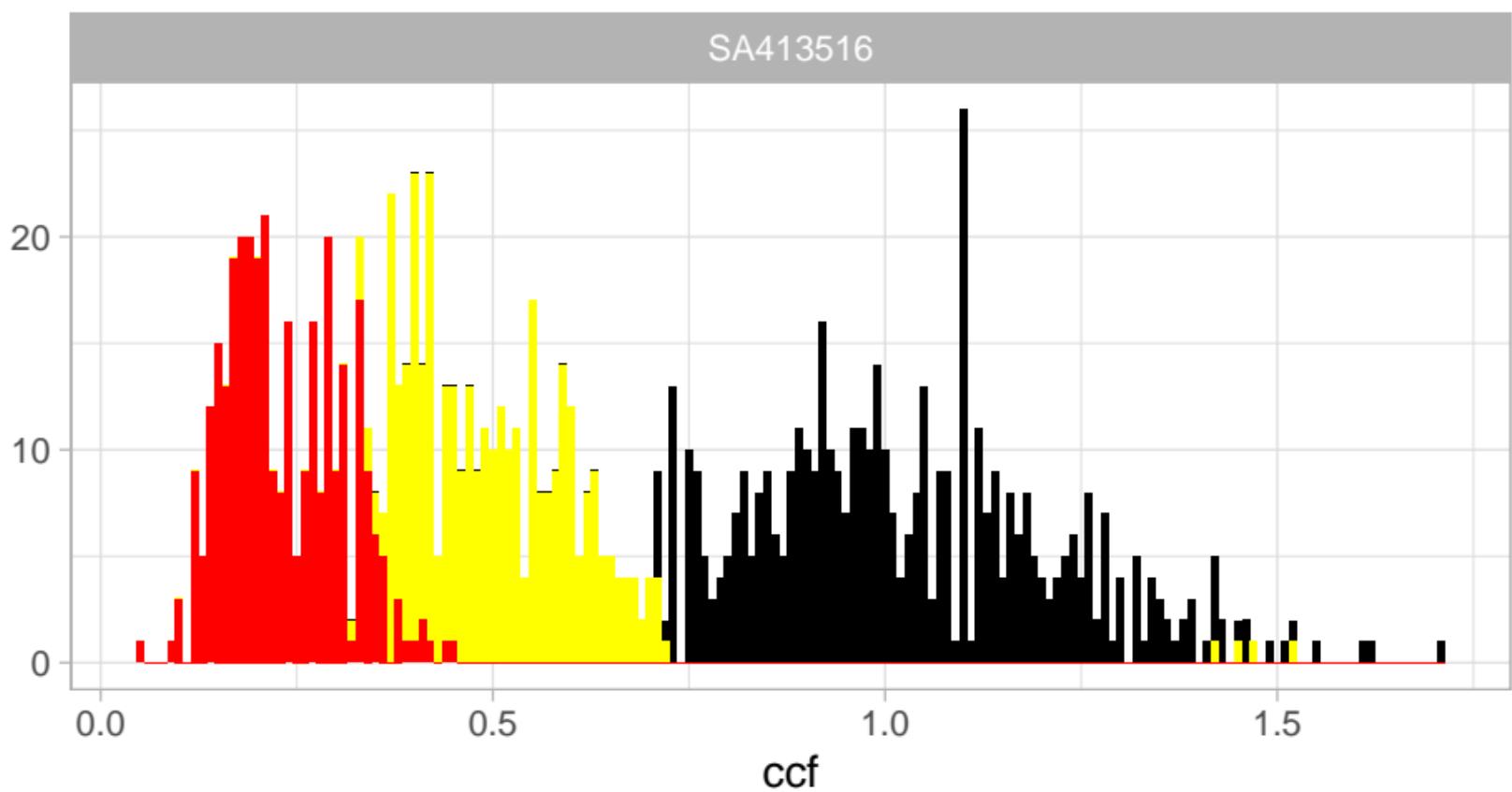
count



cluster ■ tail ■ clonal ■ subclonal

SA413516

count



cluster ■ tail ■ clonal ■ subclonal

SA270438

count

800

600

400

200

0

0.0

0.5

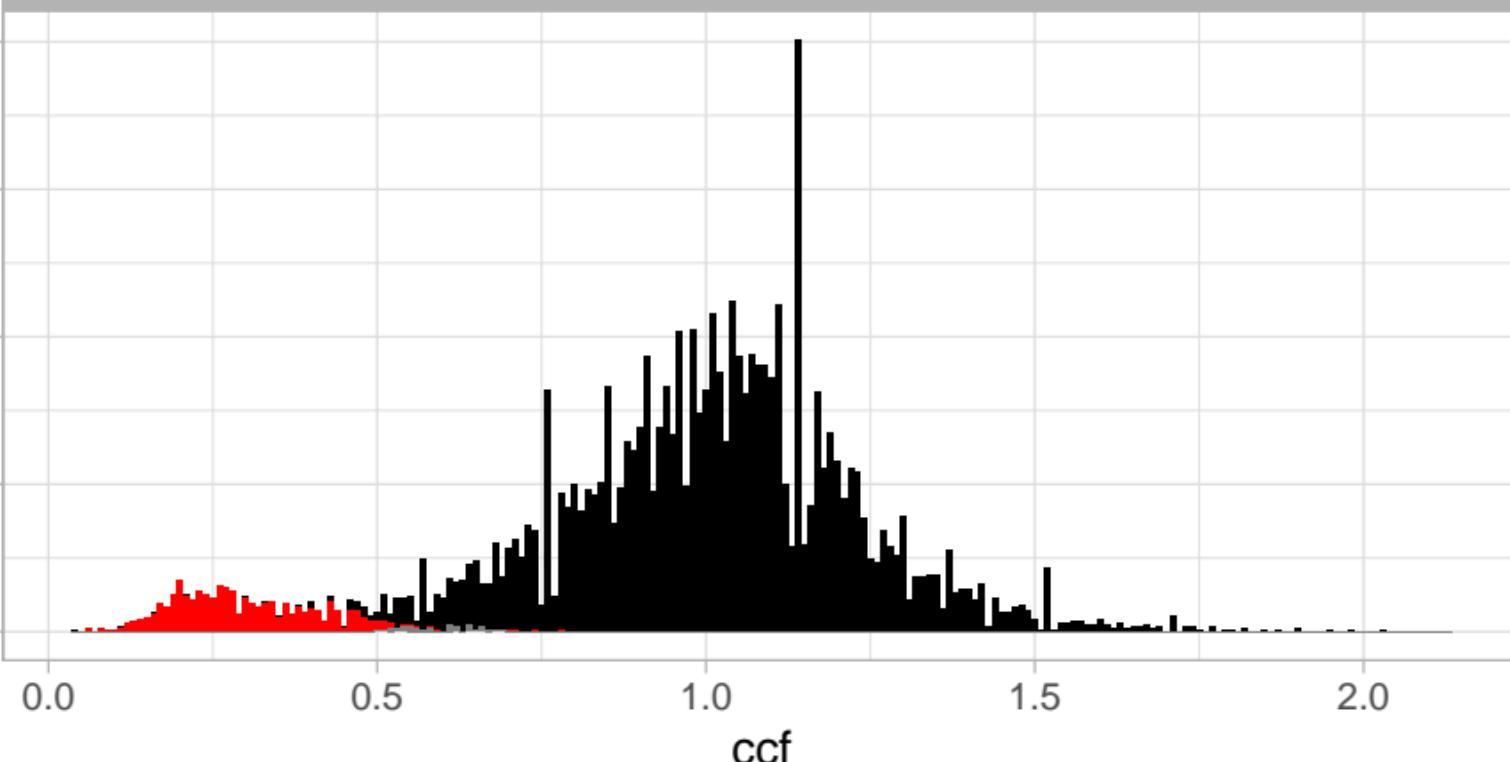
1.0

1.5

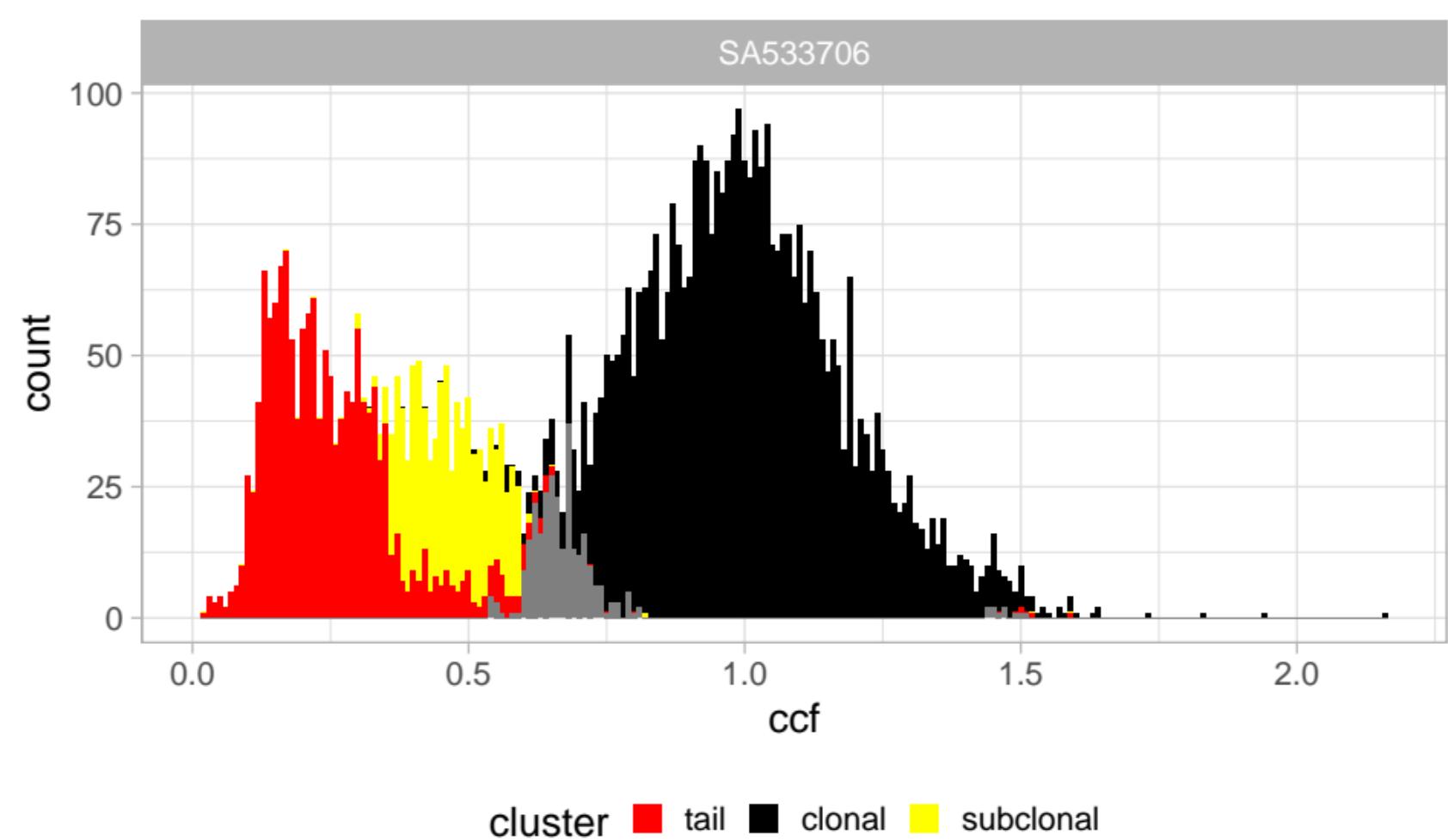
2.0

ccf

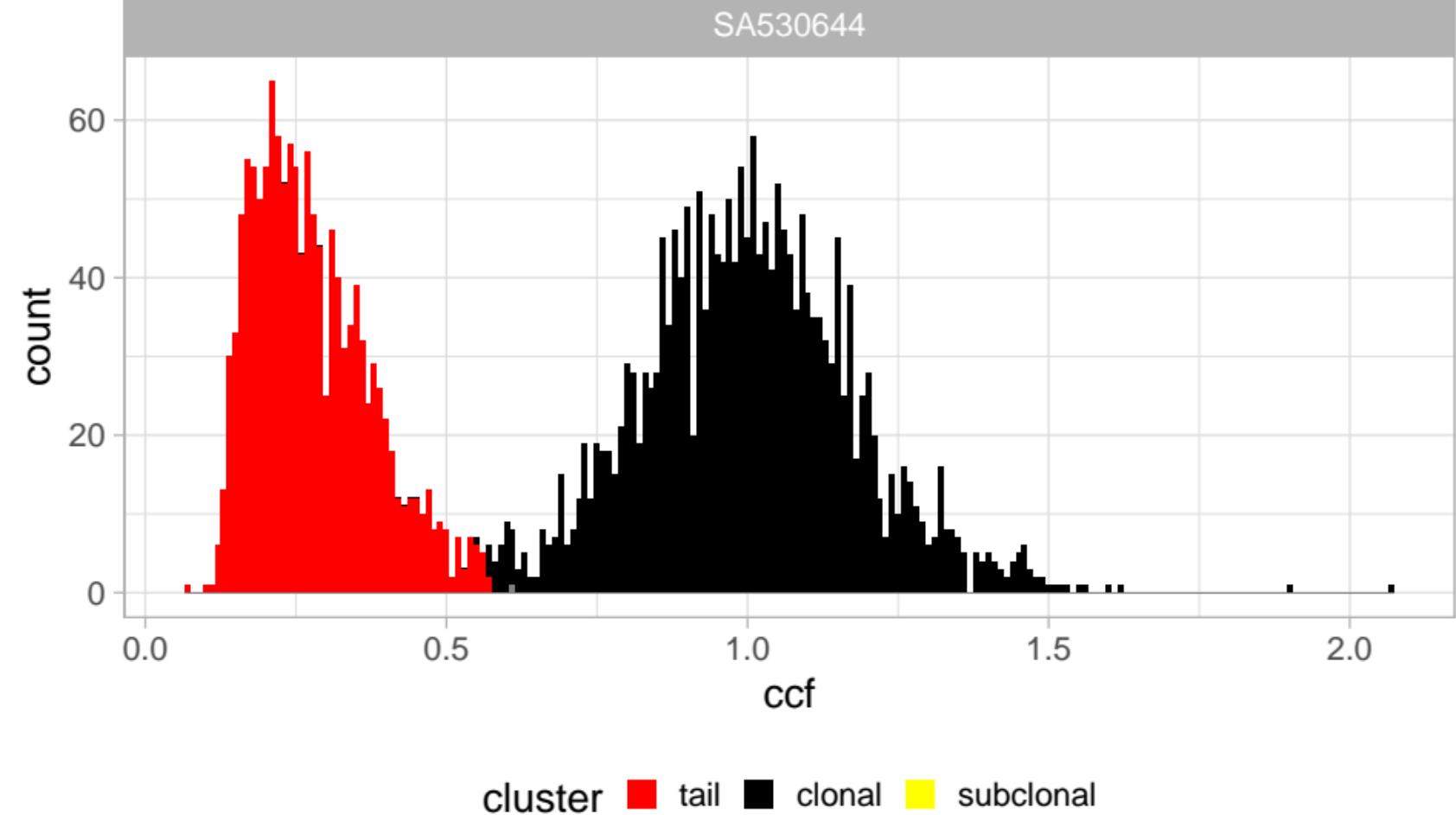
cluster tail clonal subclonal



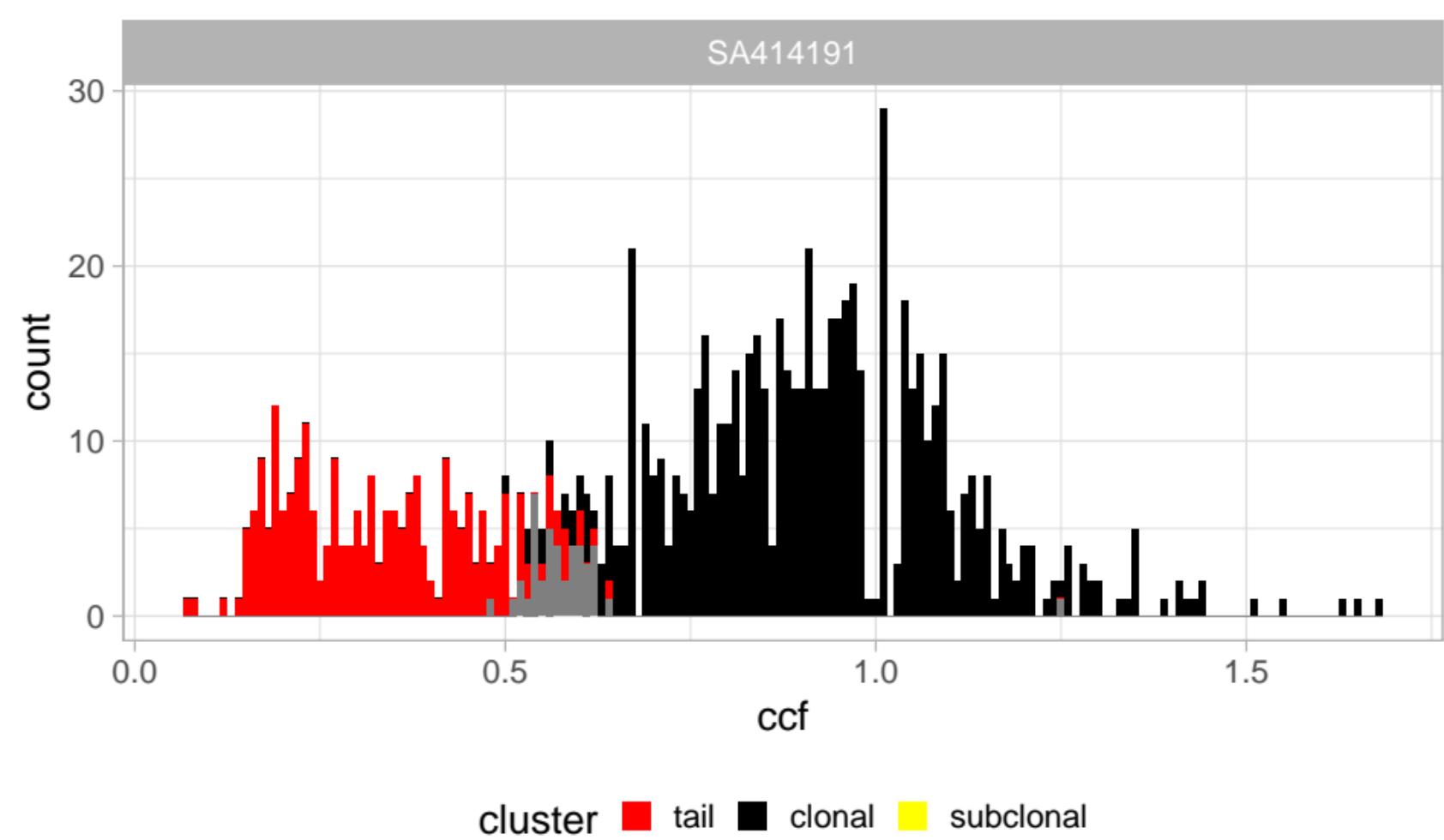
SA533706



SA530644

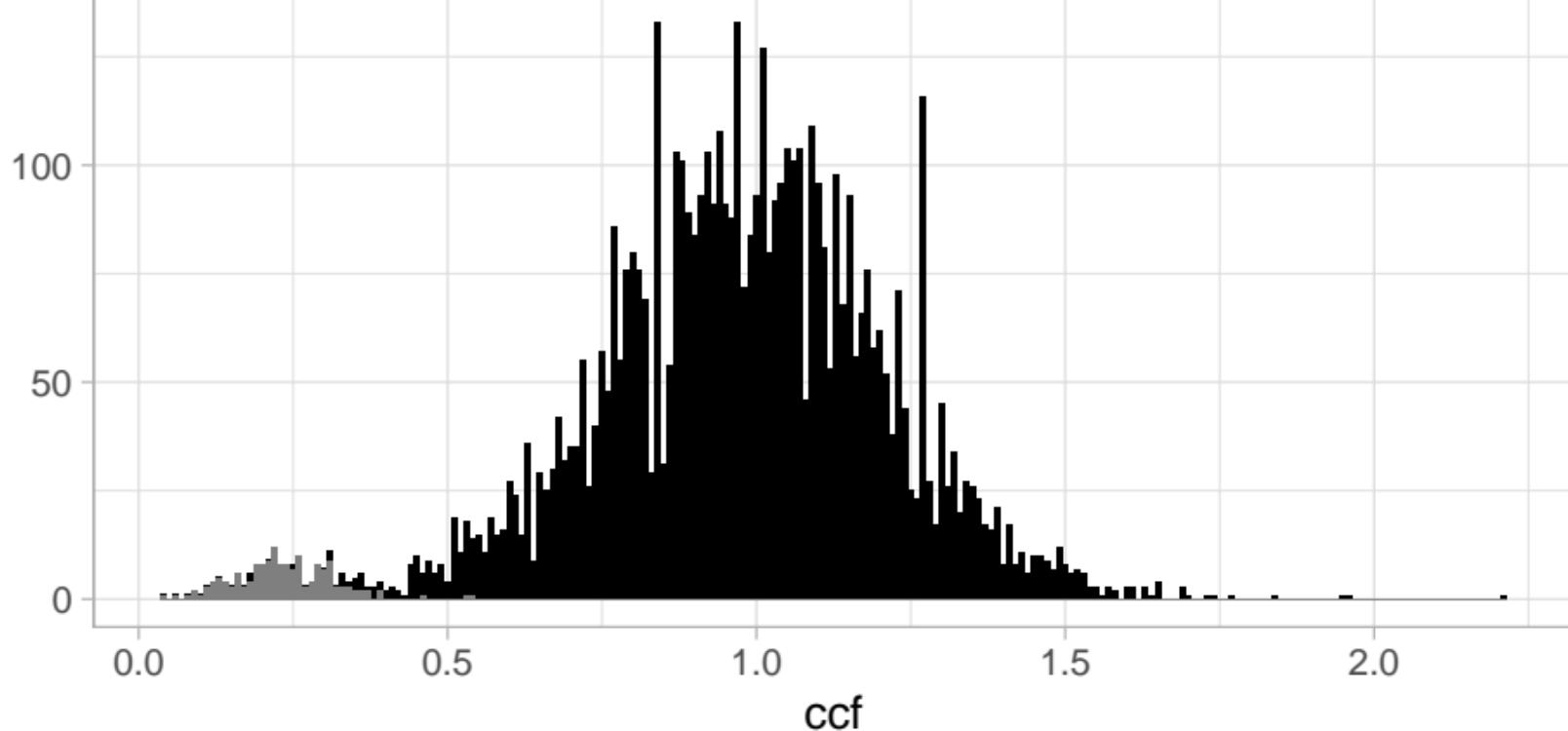


SA414191



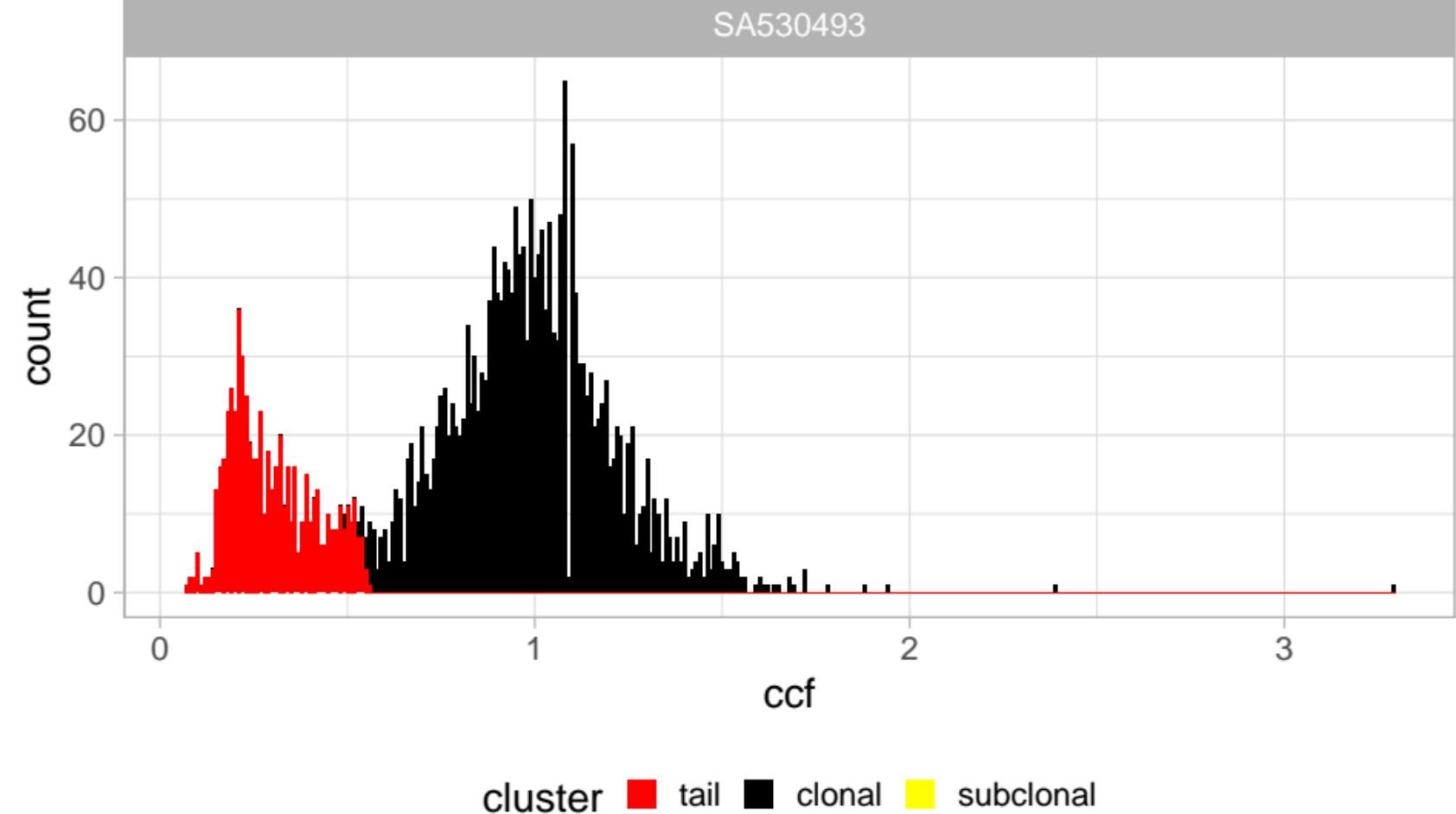
SA501481

count



cluster tail clonal subclonal

SA530493



SA542181

count

150

100

50

0

0.0

0.5

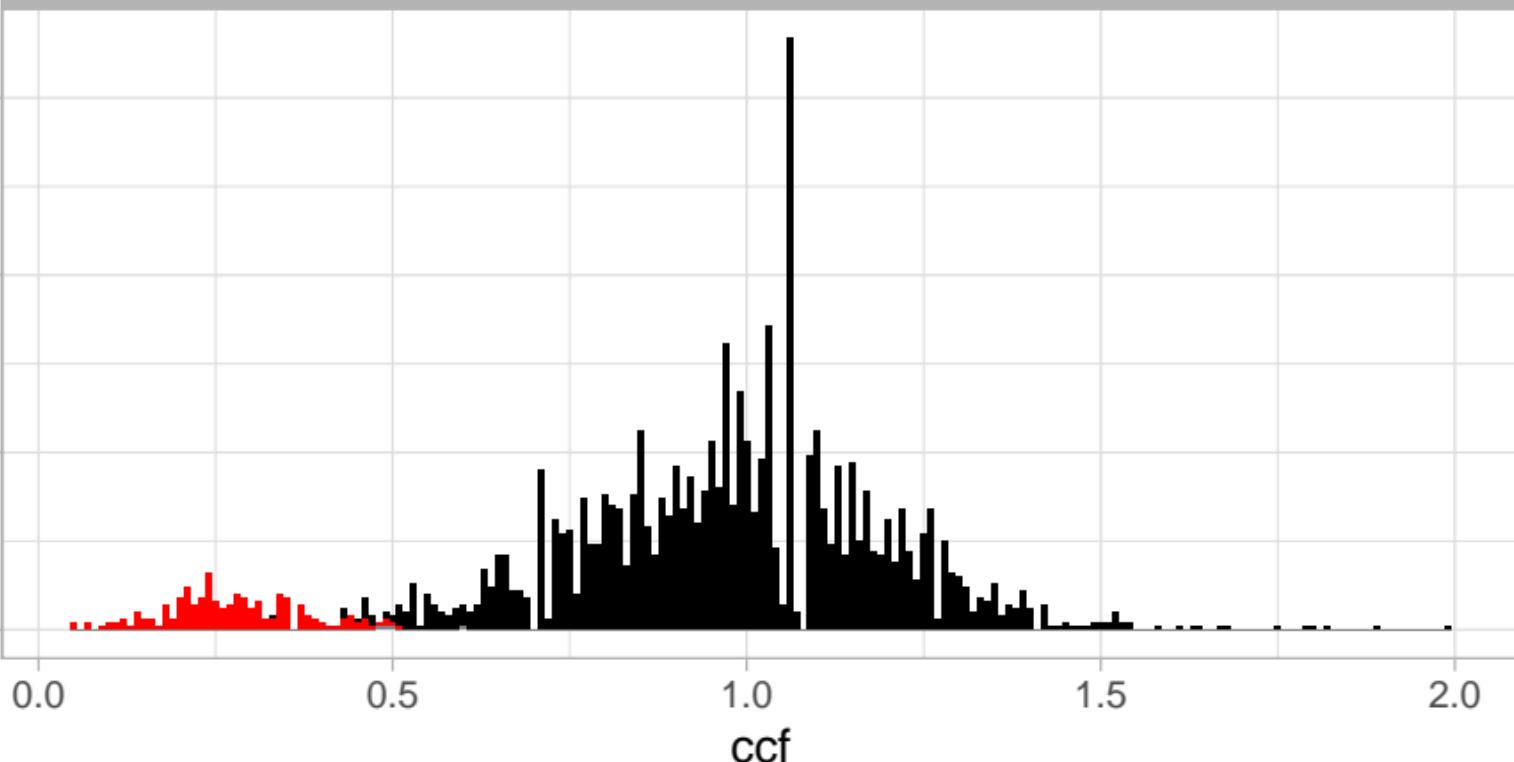
1.0

1.5

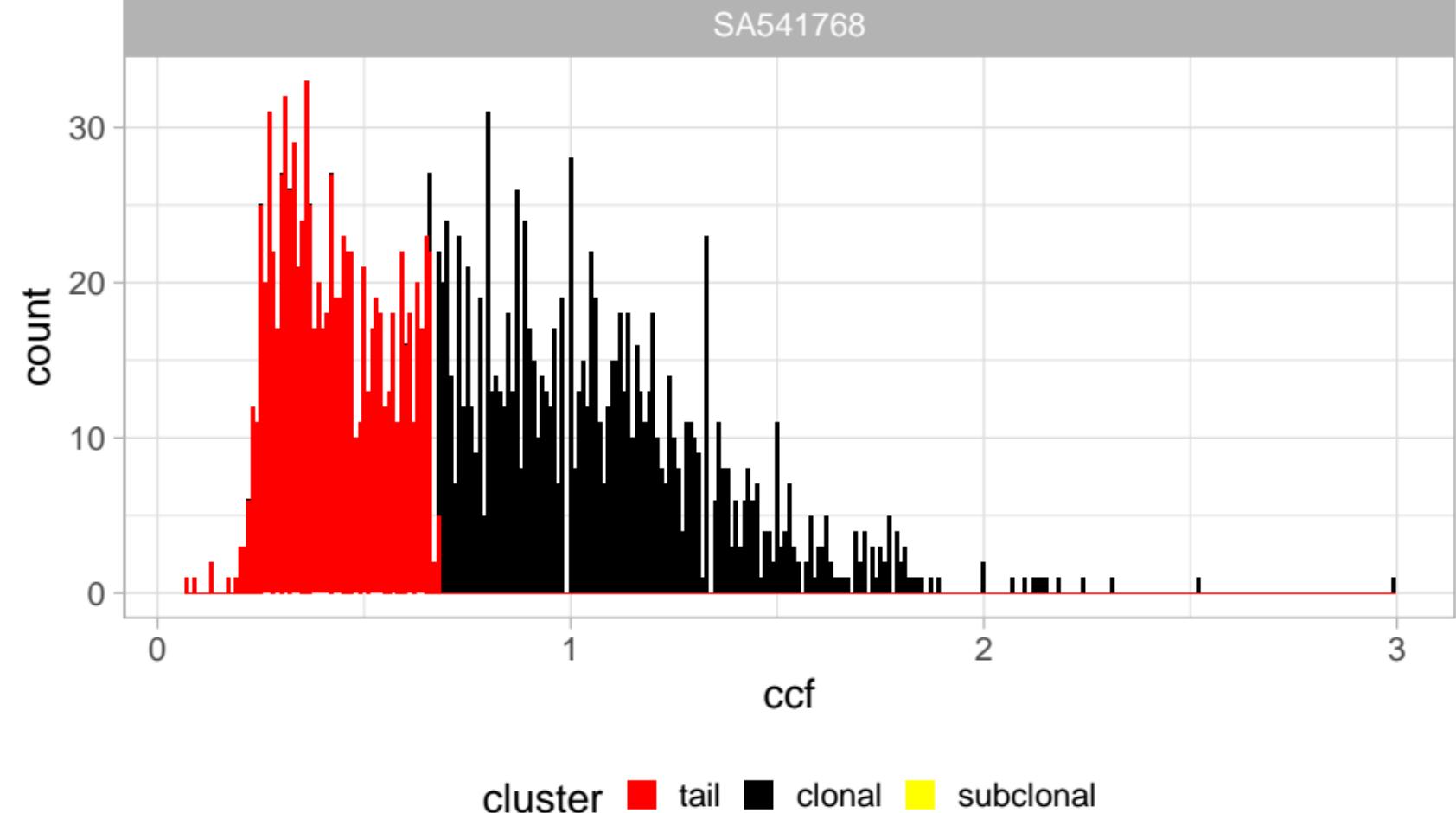
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA541768



SA413664

count

6
4
2
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA557338

count

1500

1000

500

0

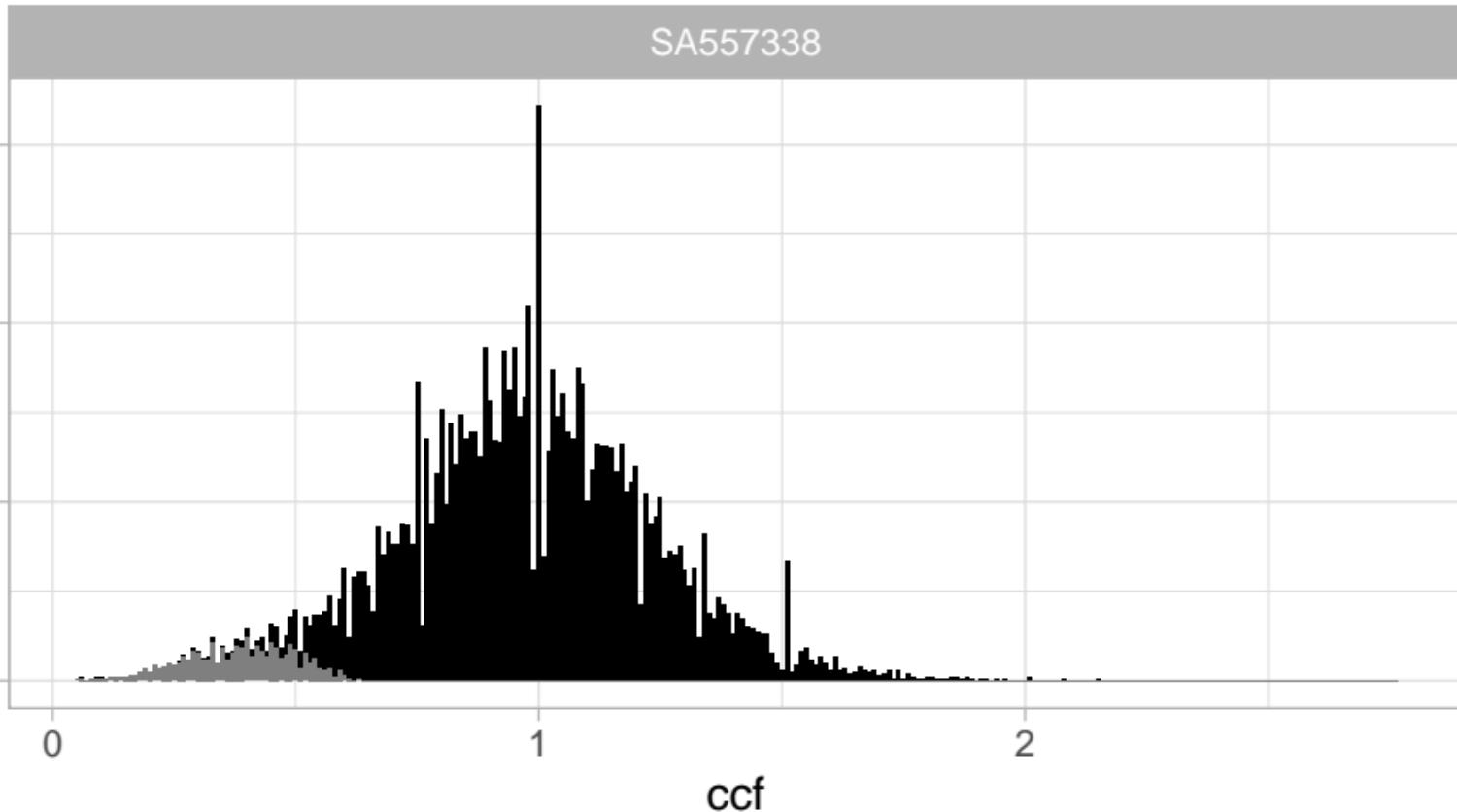
0

1

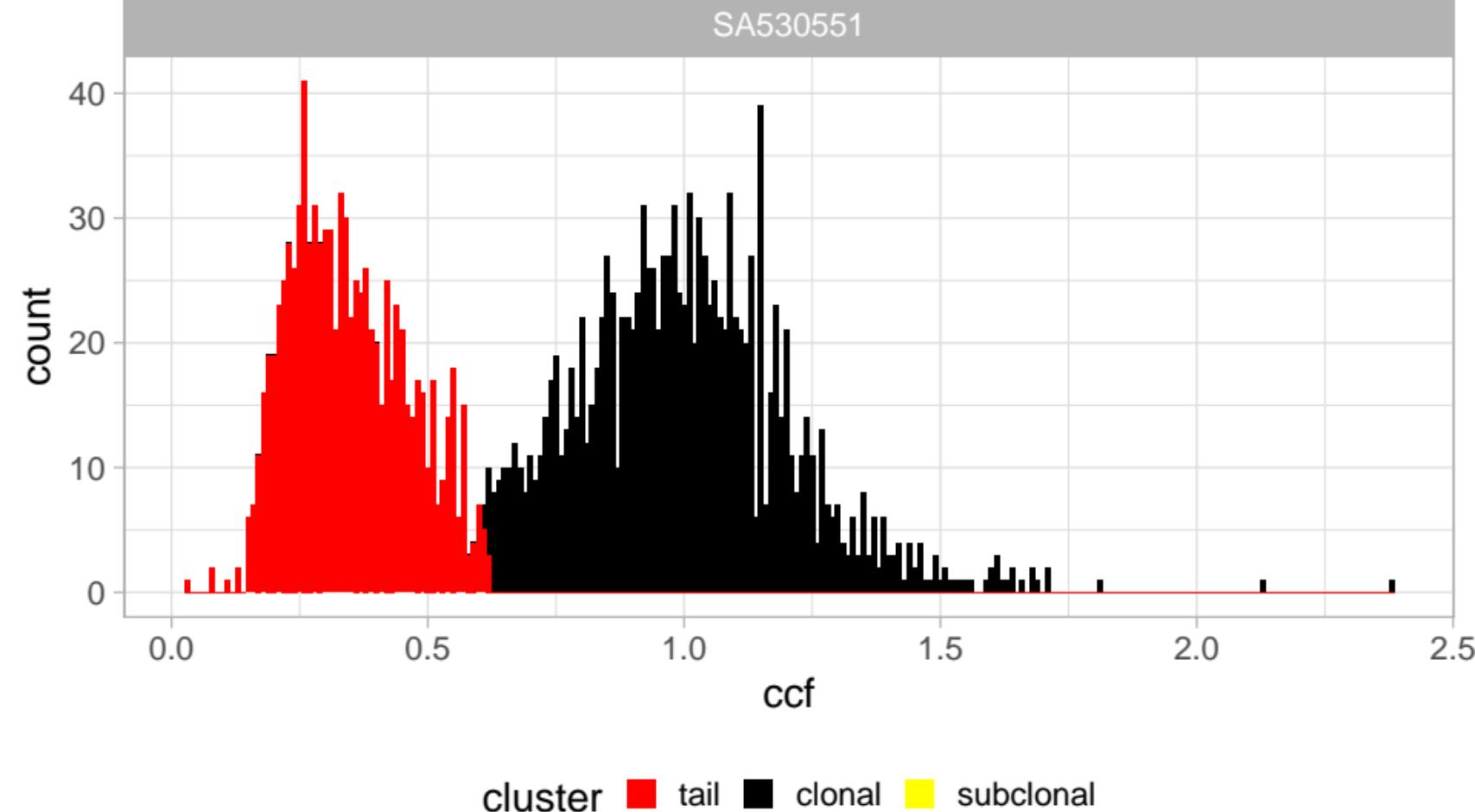
2

ccf

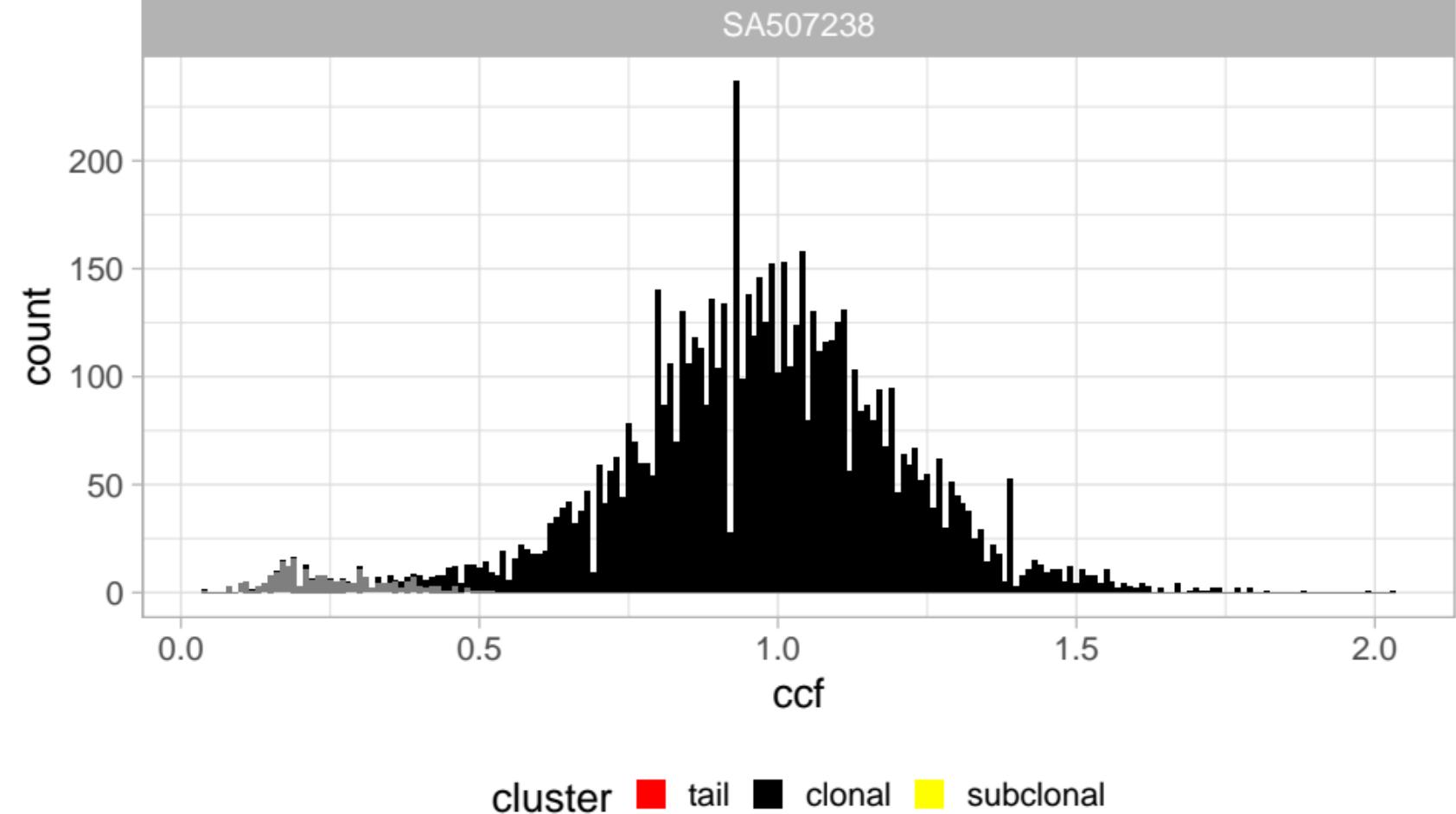
cluster ■ tail ■ clonal ■ subclonal



SA530551

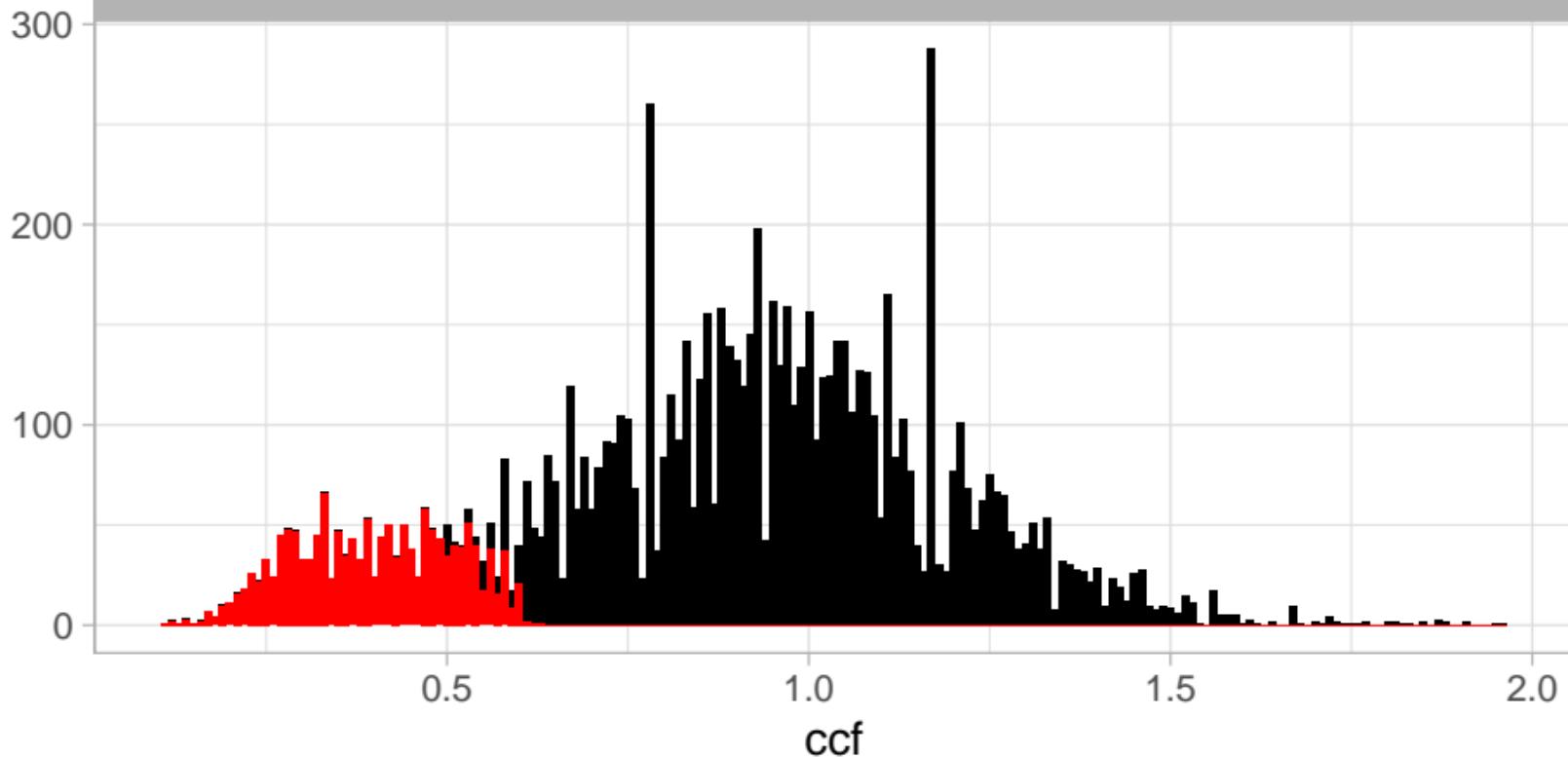


SA507238



SA270440

count



cluster ■ tail ■ clonal ■ subclonal

SA505850

count

150

100

50

0

0.0

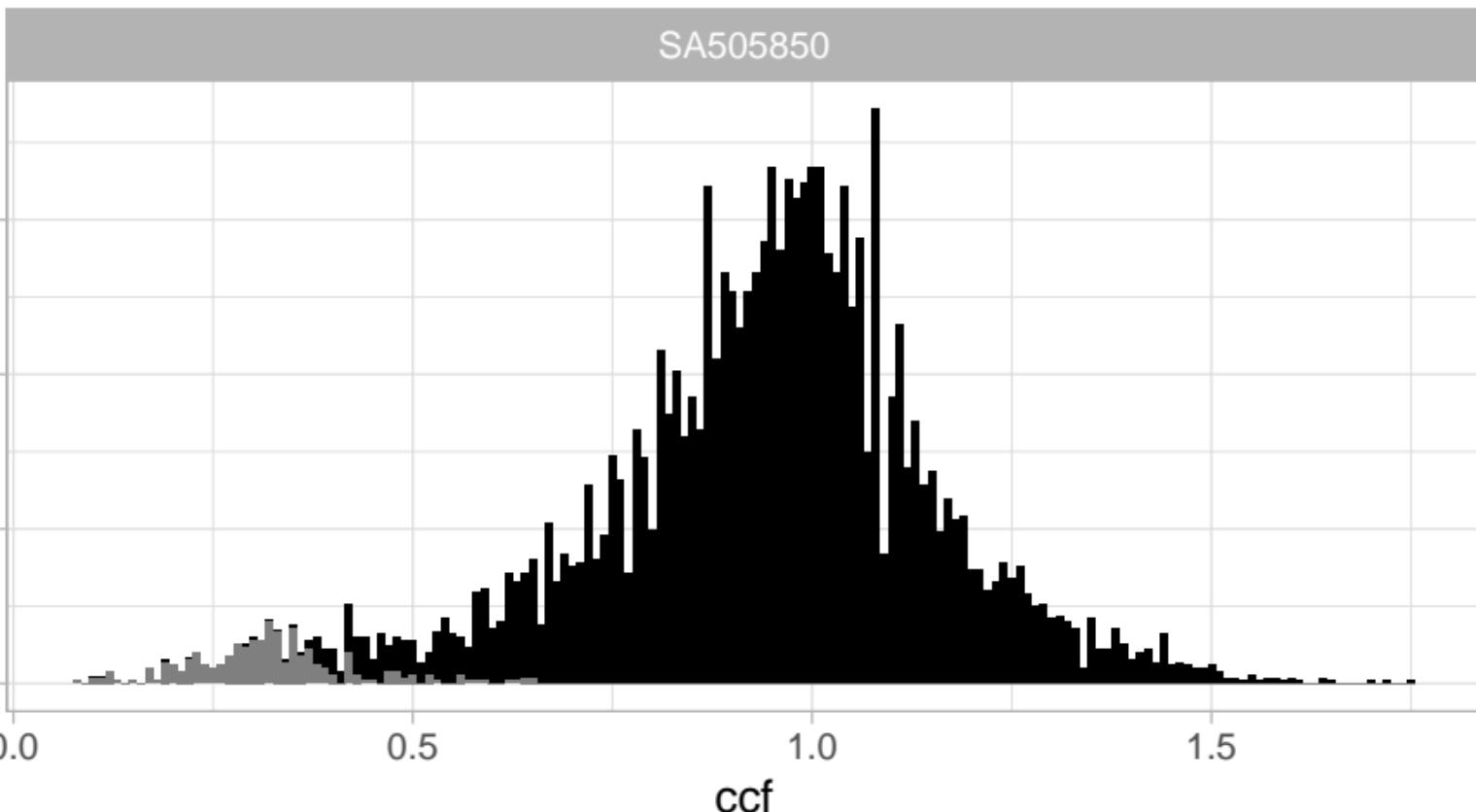
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA542062

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533639

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA499813

count

1500

1000

500

0

0.0

0.5

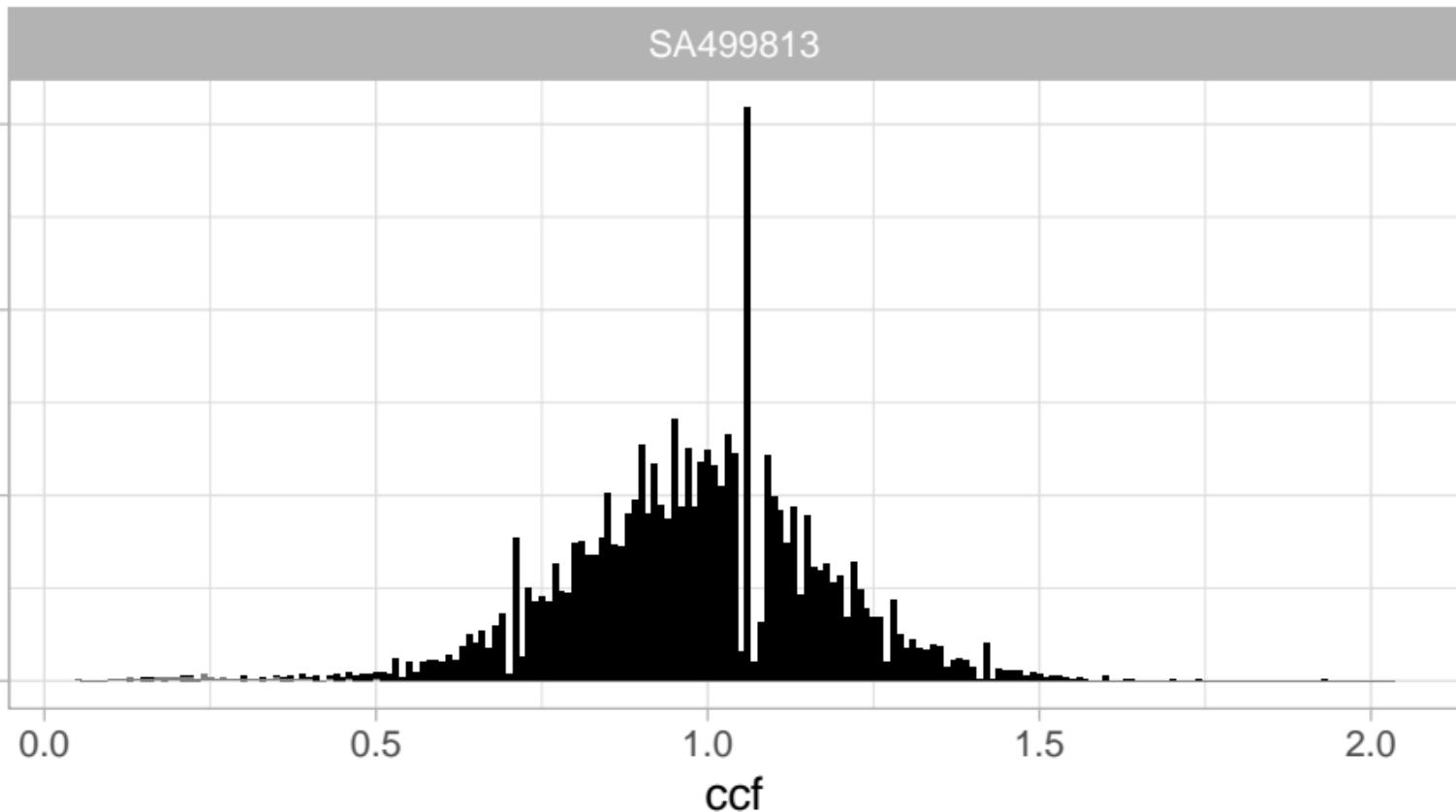
1.0

1.5

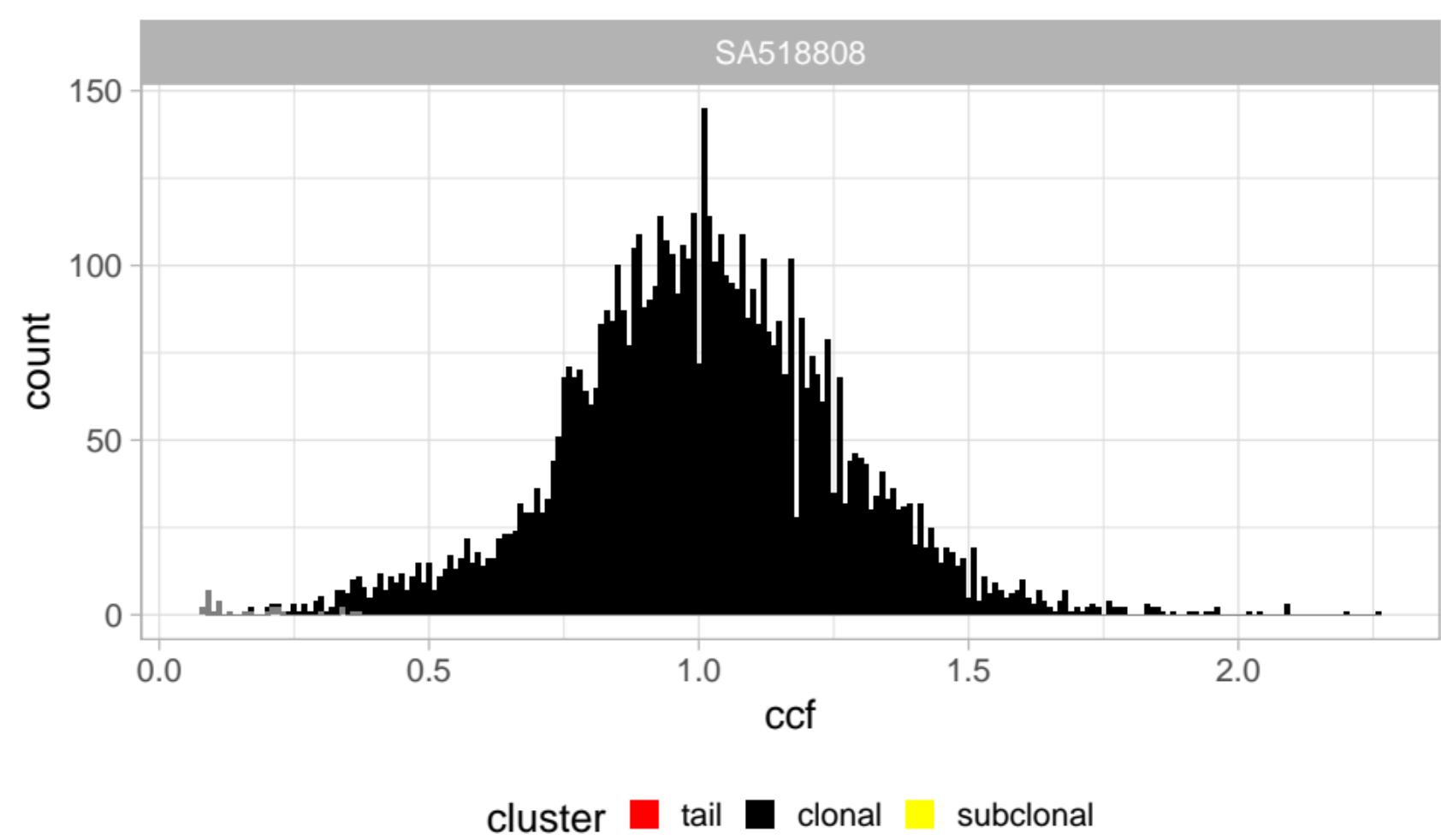
2.0

ccf

cluster tail clonal subclonal



SA518808



SA507185

count

300

200

100

0

0

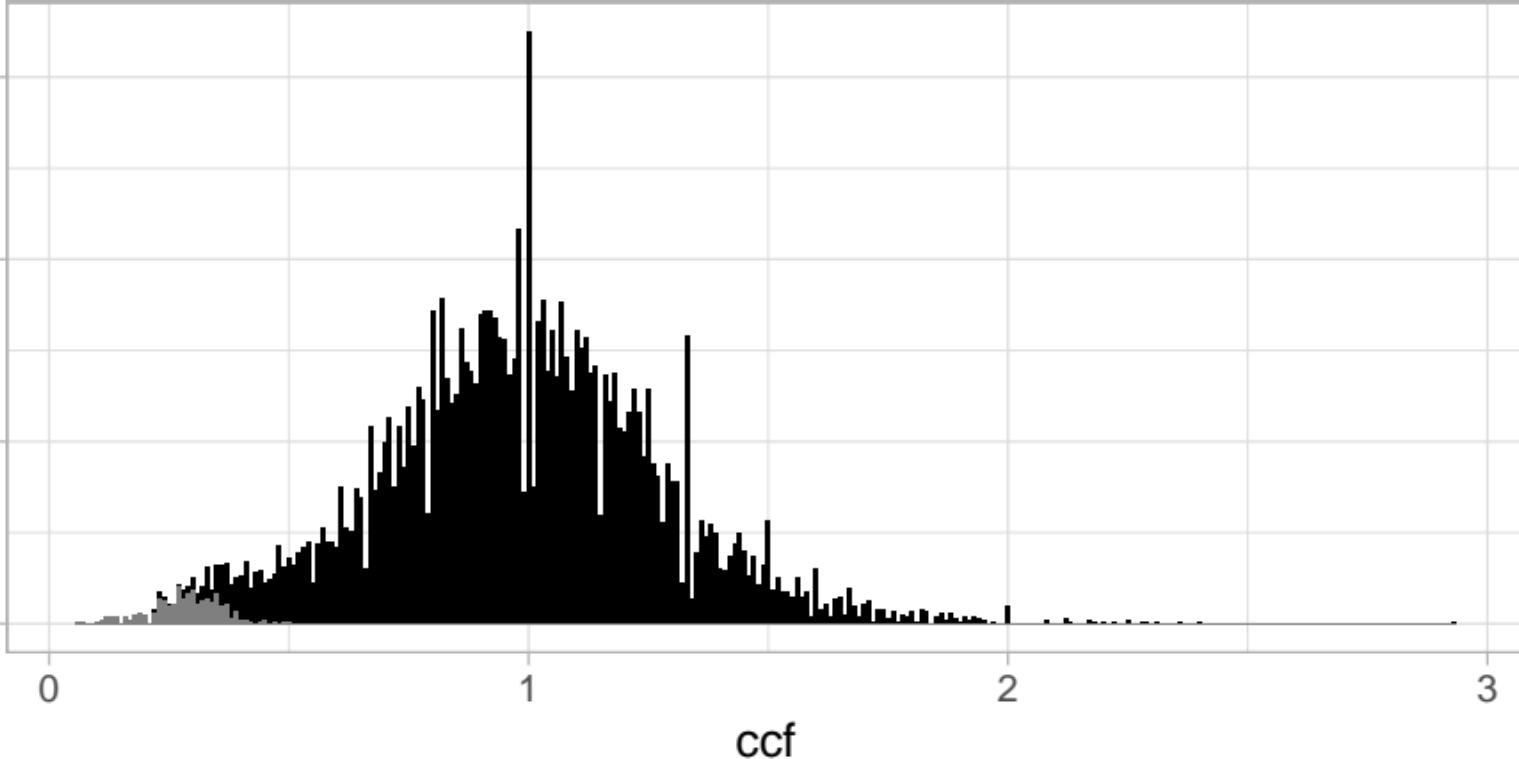
1

2

3

ccf

cluster tail clonal subclonal



SA270442

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA528853

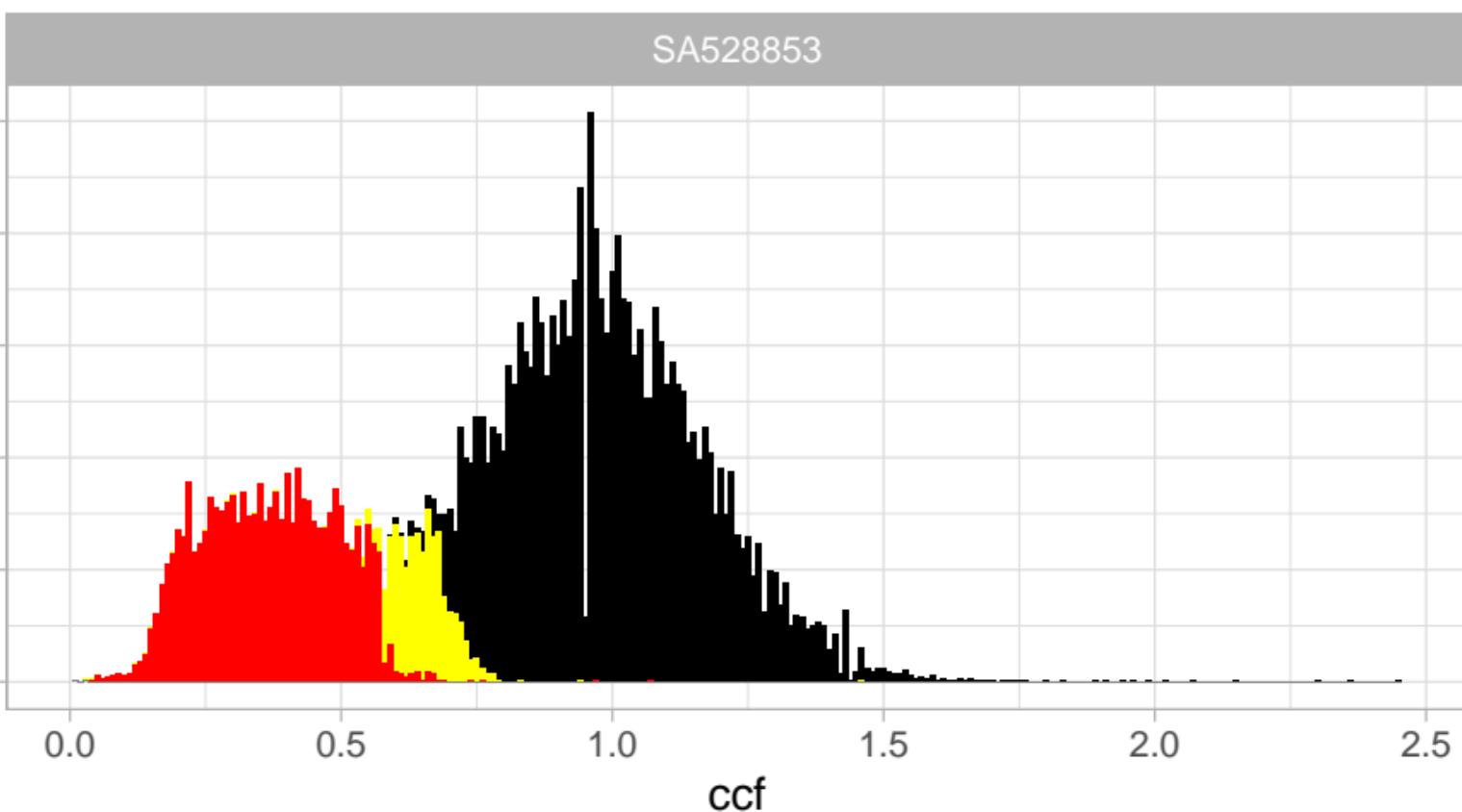
count

500
400
300
200
100
0

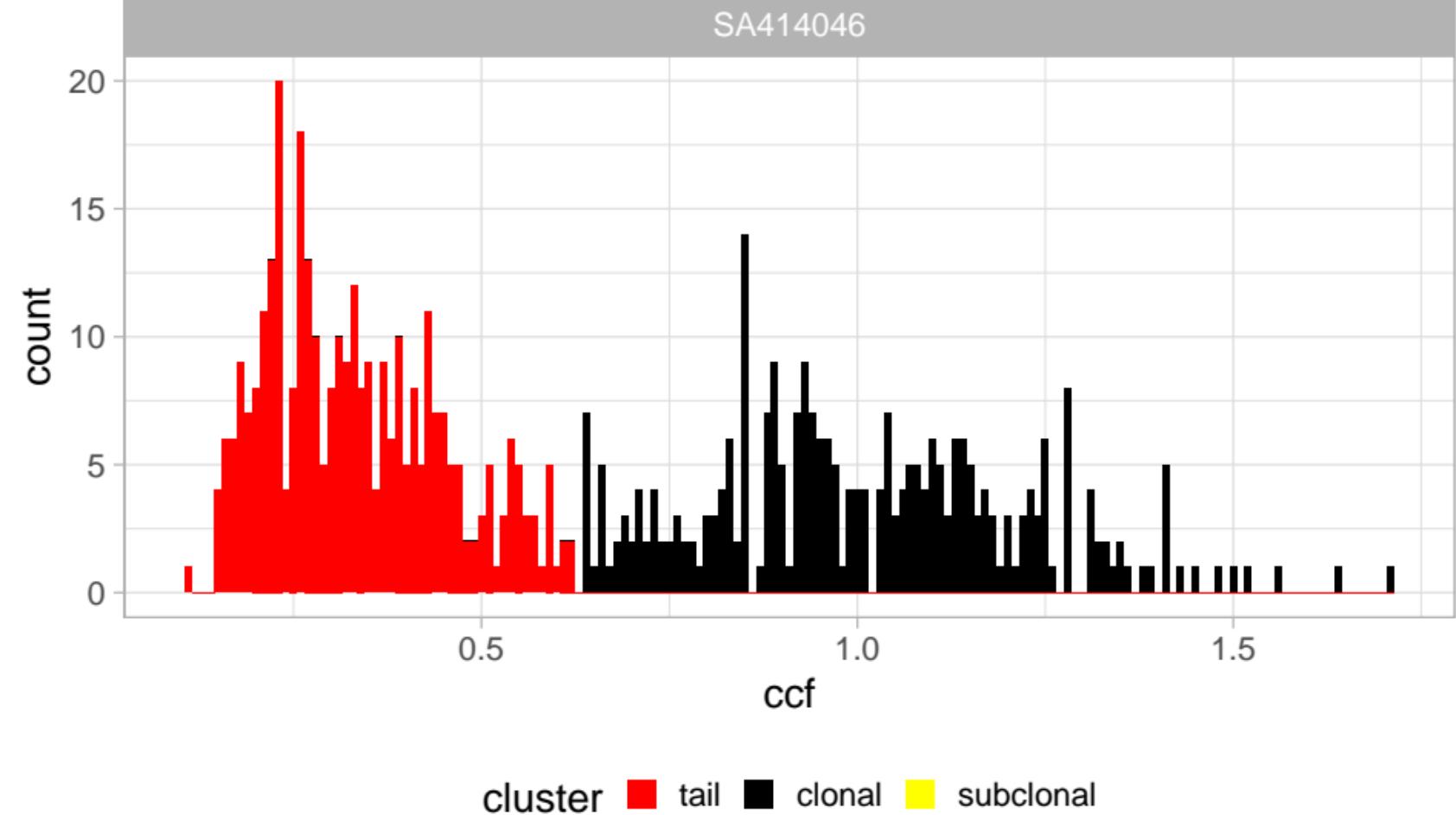
0.0 0.5 1.0 1.5 2.0 2.5

ccf

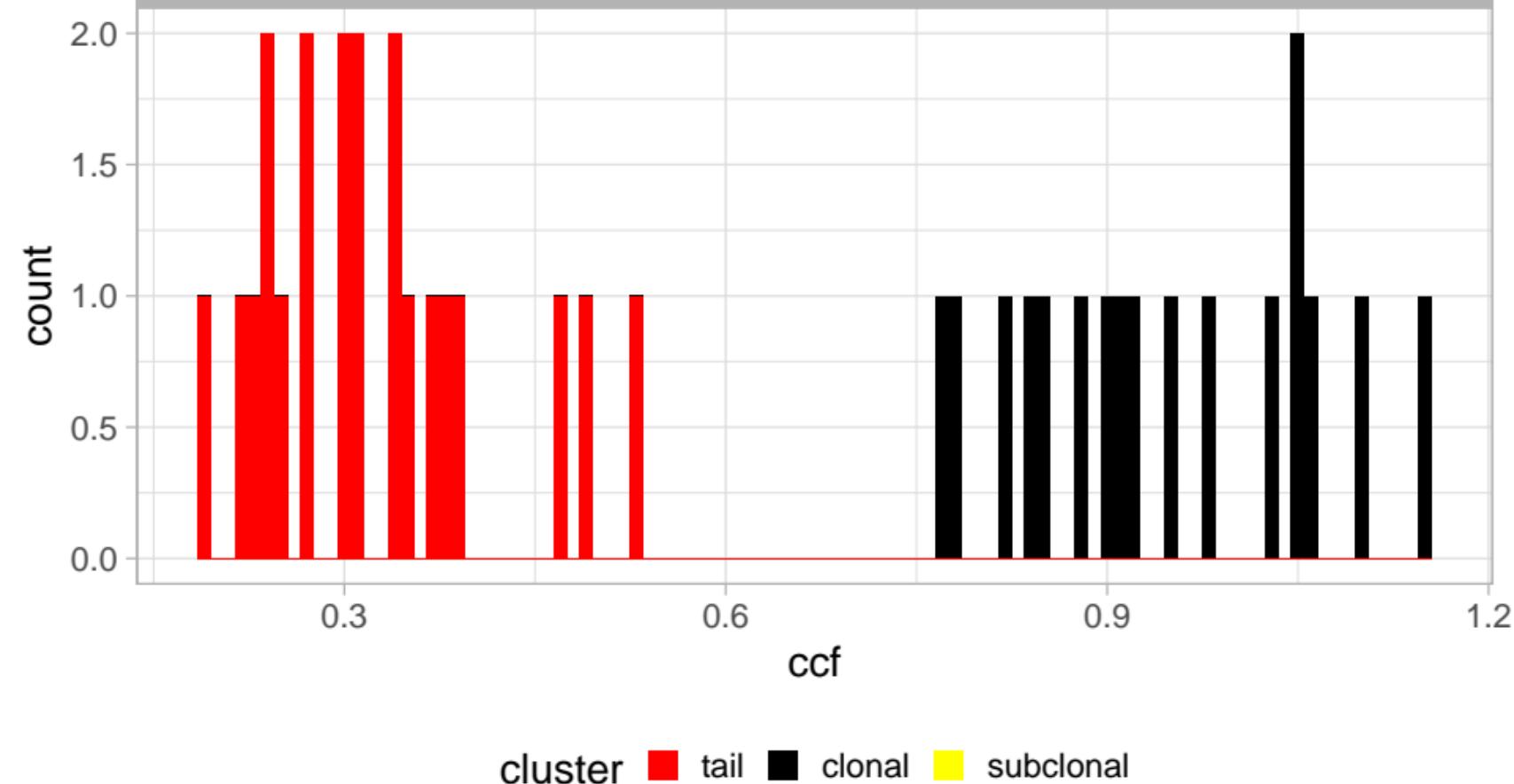
cluster ■ tail ■ clonal ■ subclonal



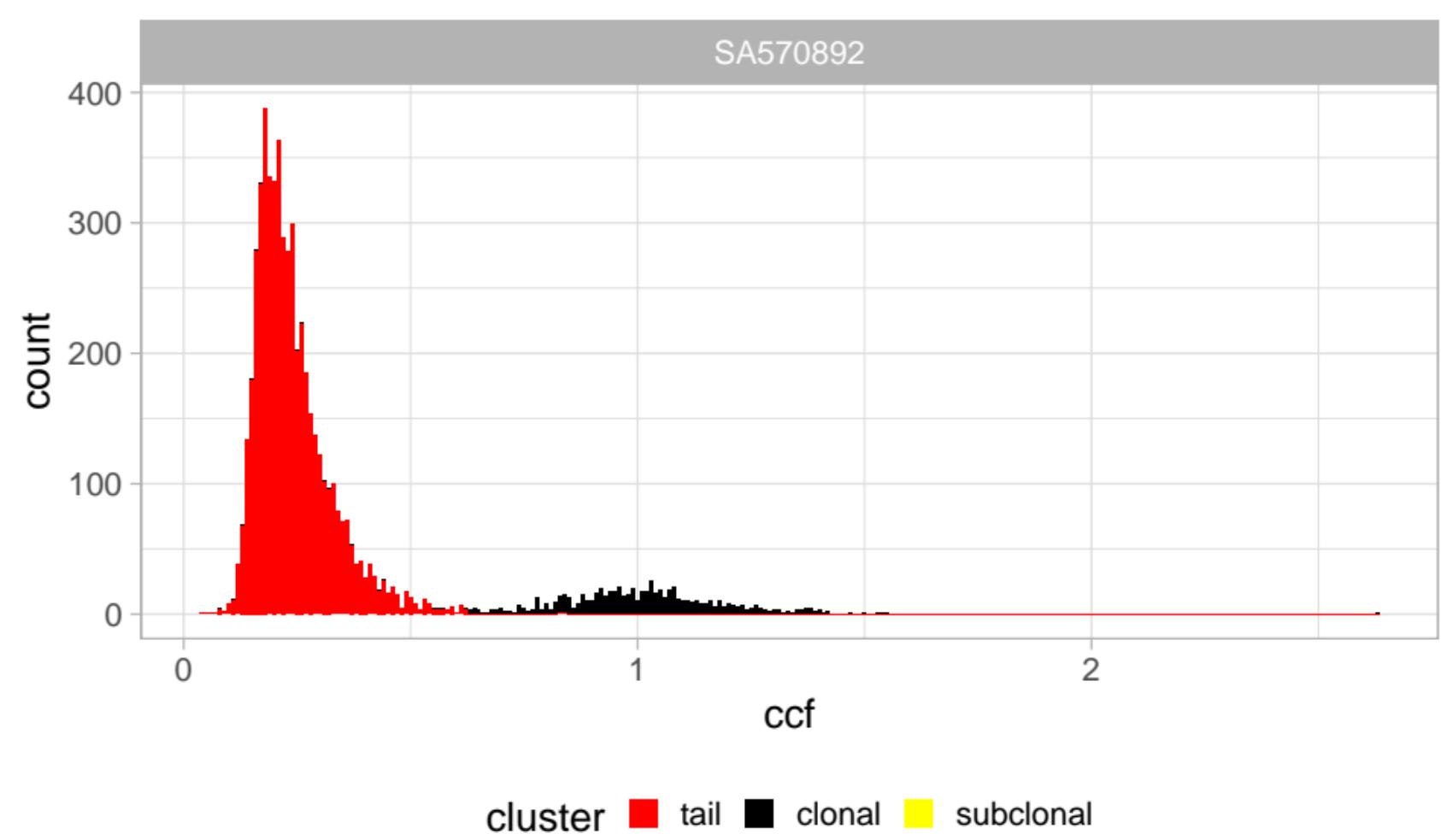
SA414046



SA413924



SA570892



SA85553

count

200

150

100

50

0

0.0

0.5

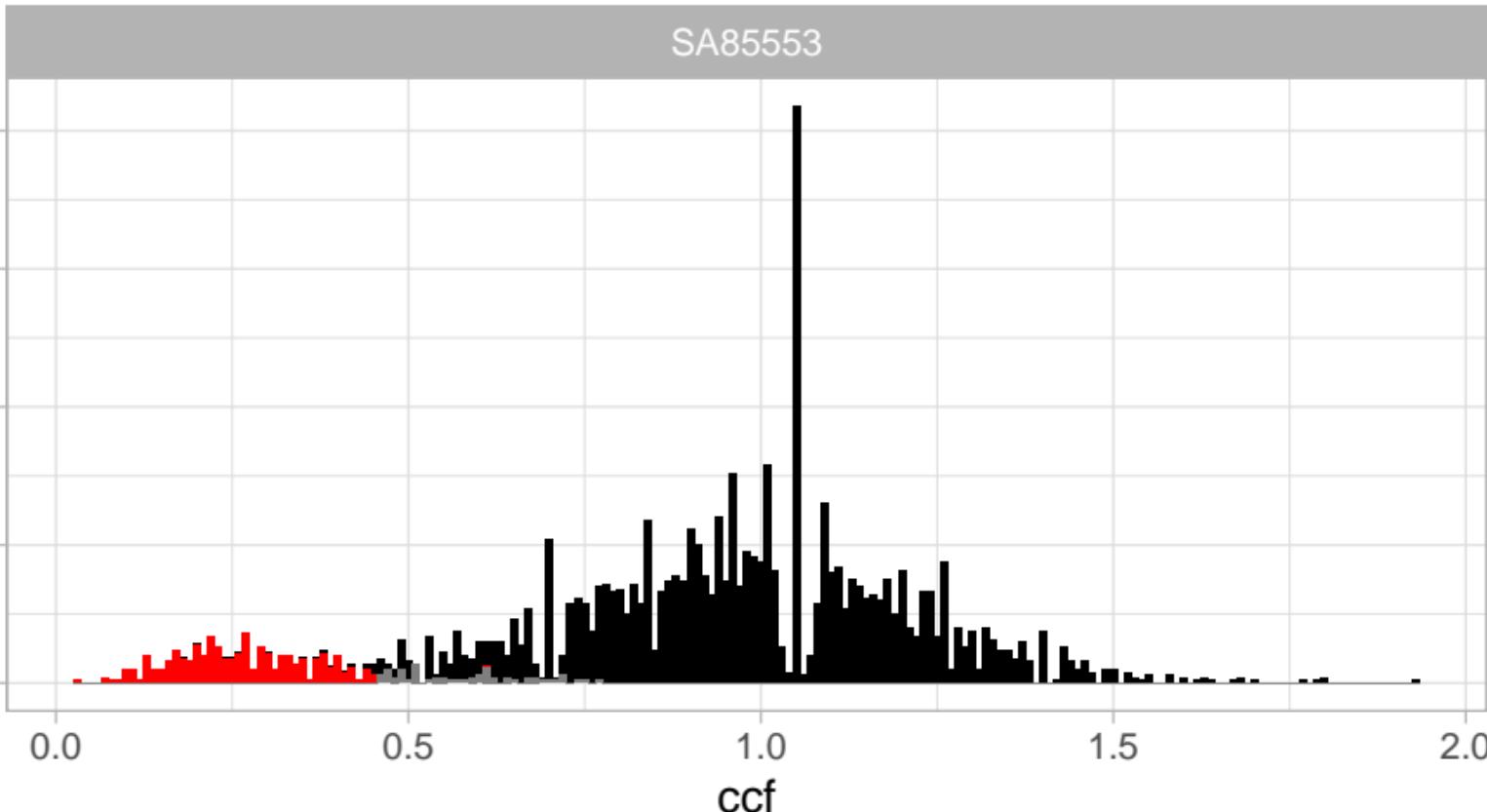
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533704

count

200

150

100

50

0

0.0

0.5

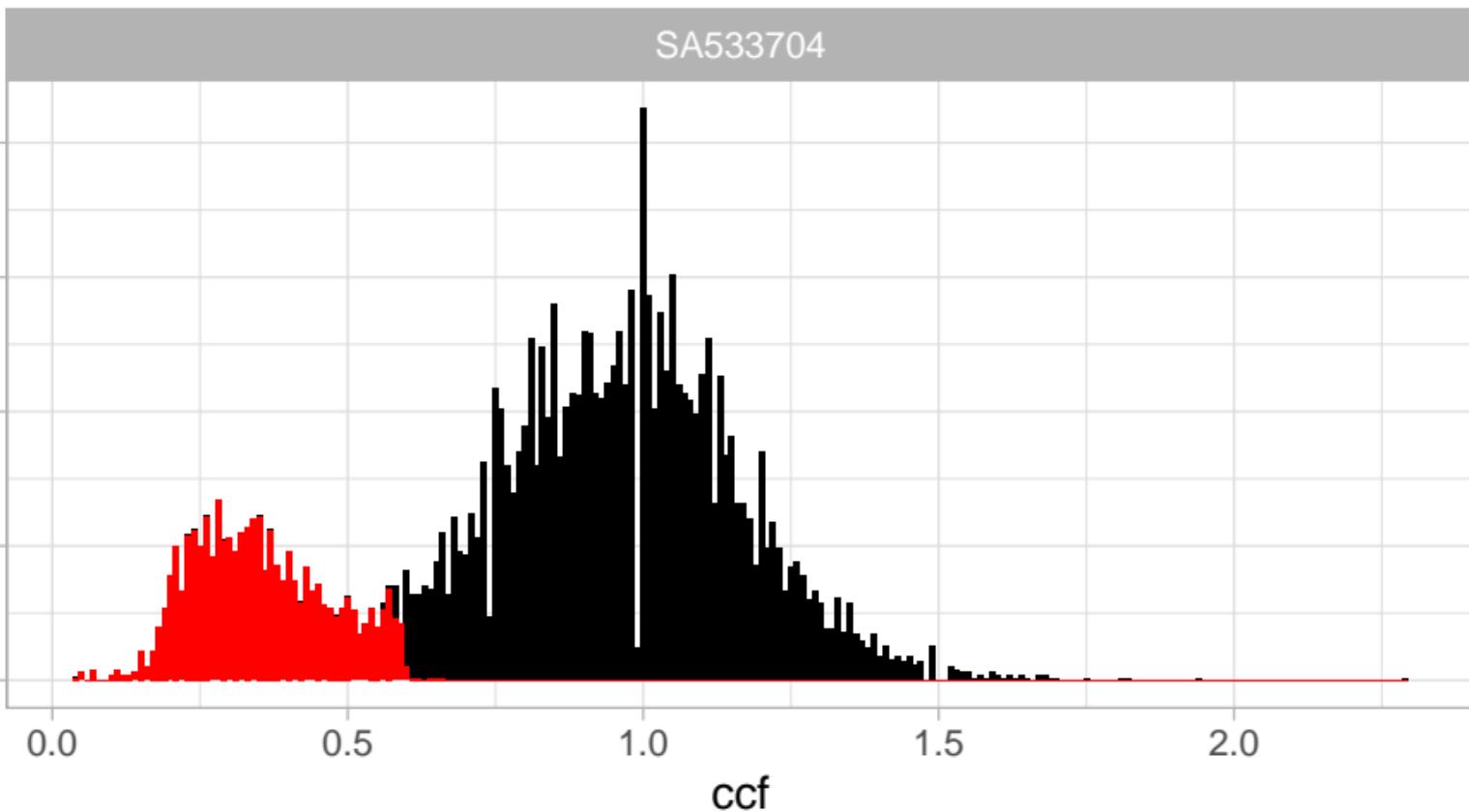
1.0

1.5

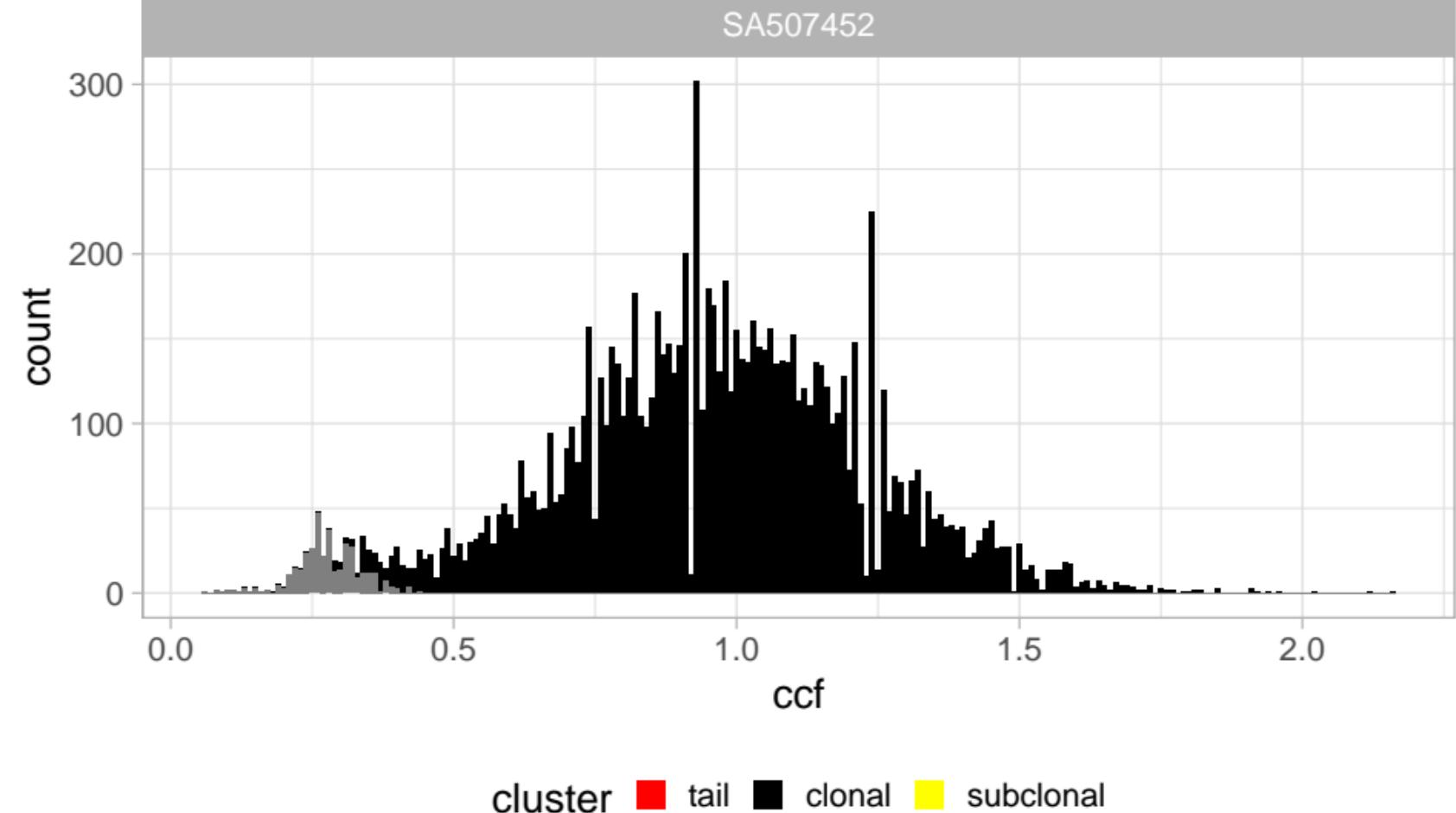
2.0

ccf

cluster tail clonal subclonal



SA507452



SA517385

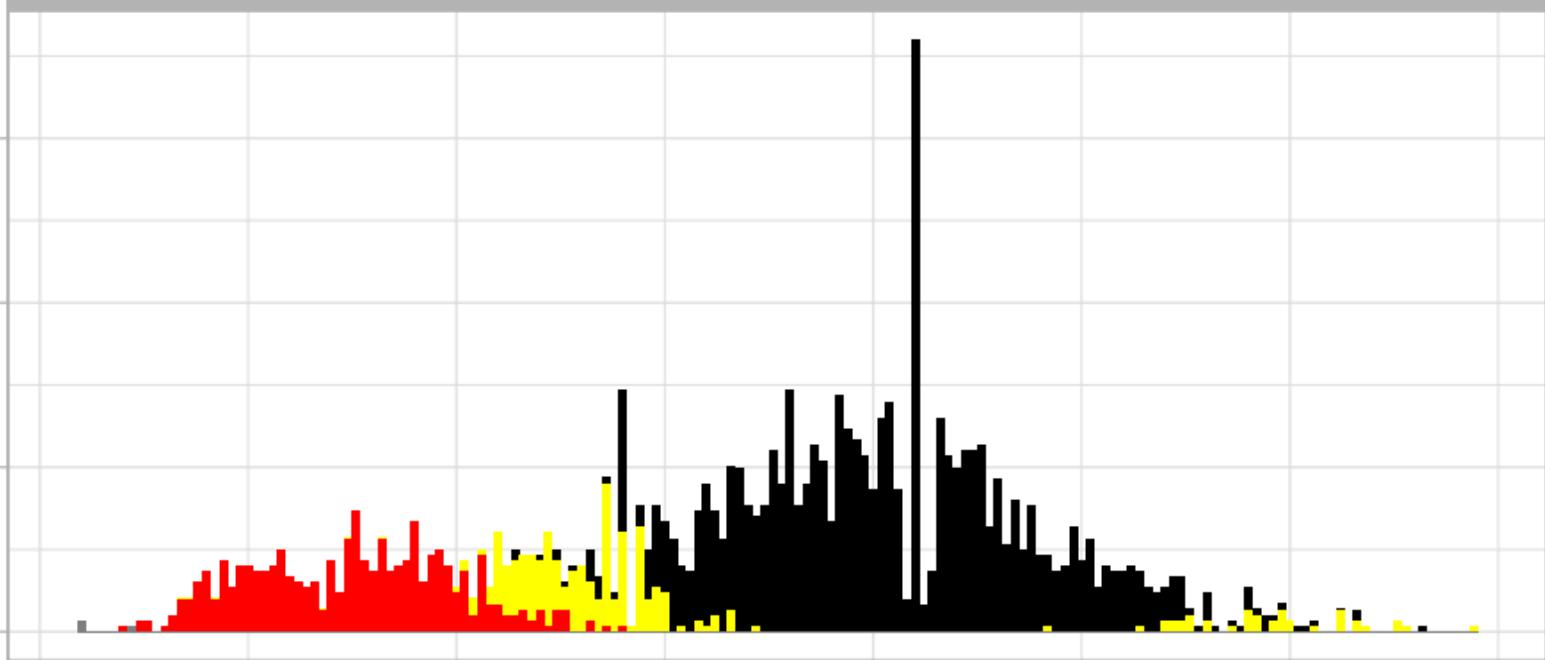
count

90
60
30
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA270444

count

600
400
200
0

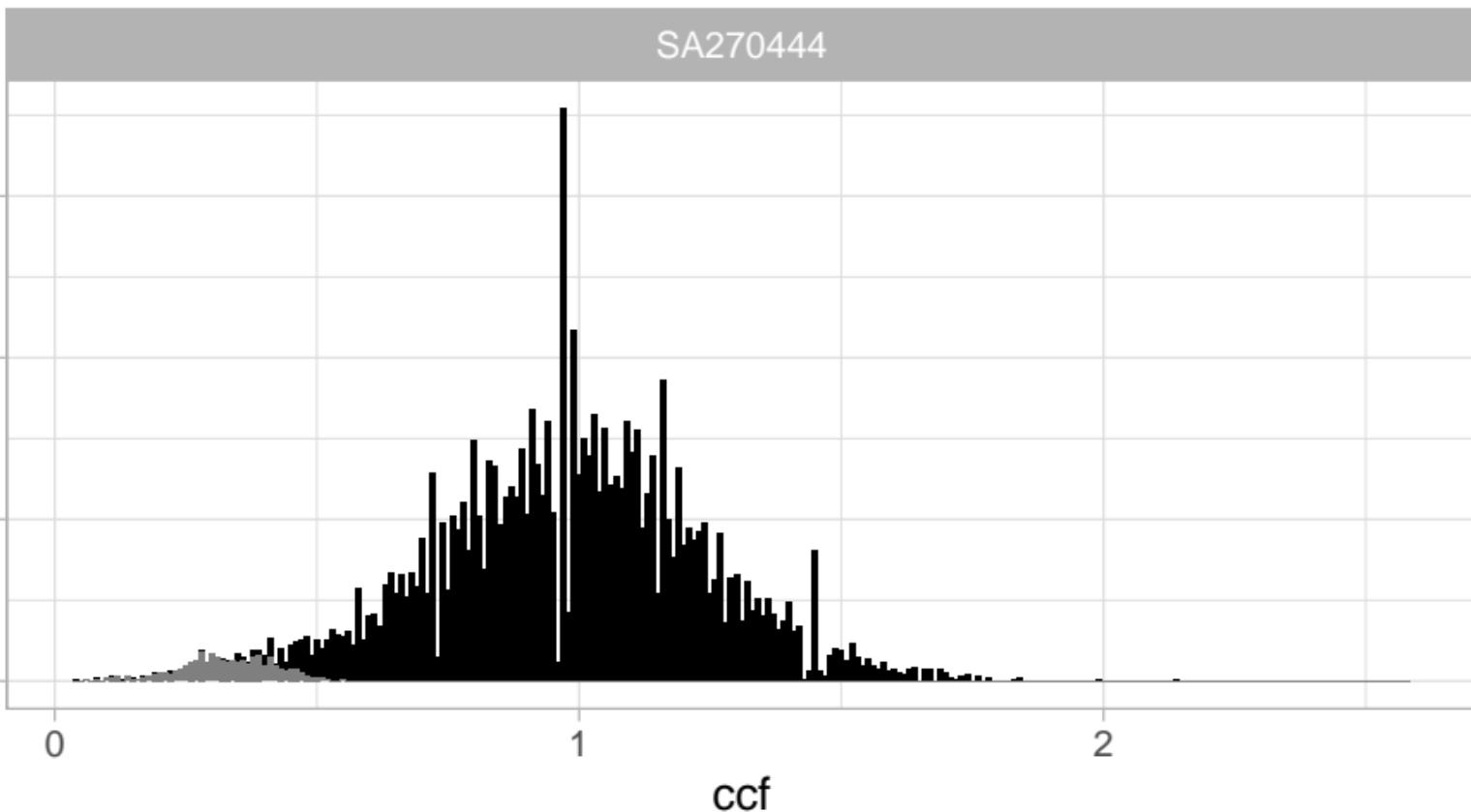
0

1

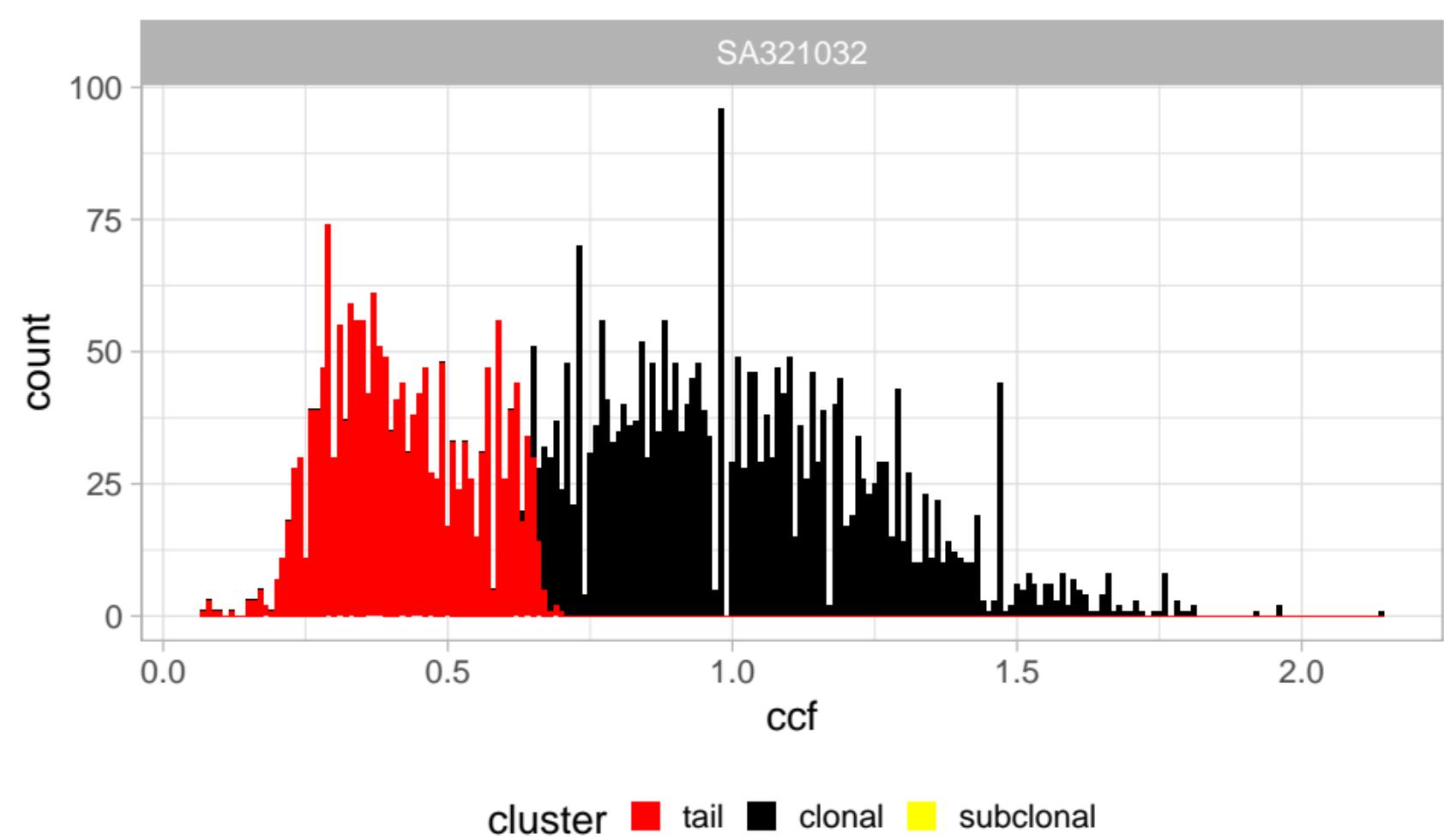
2

ccf

cluster tail clonal subclonal



SA321032



SA570855

count

100
75
50
25
0

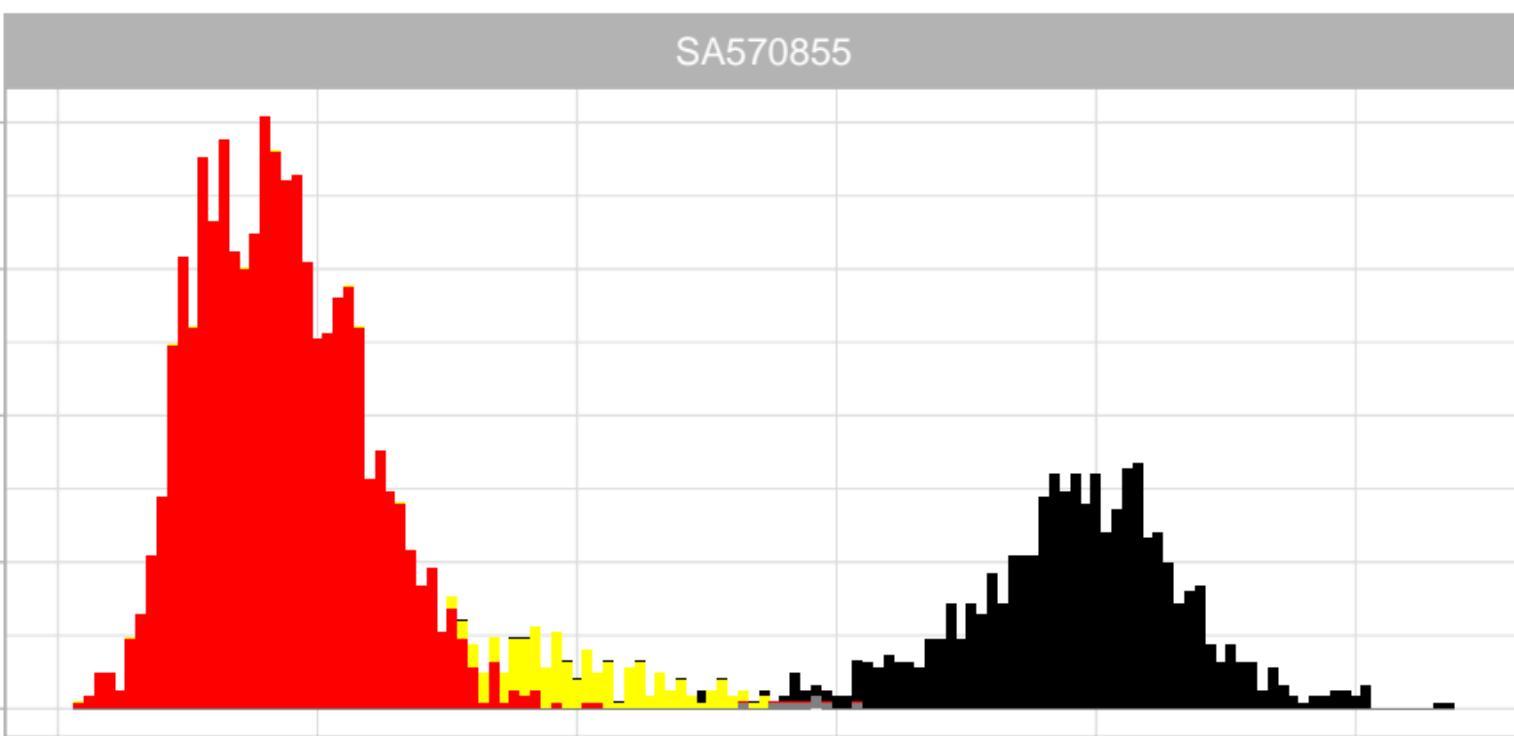
0.0

0.5

1.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA528822

count

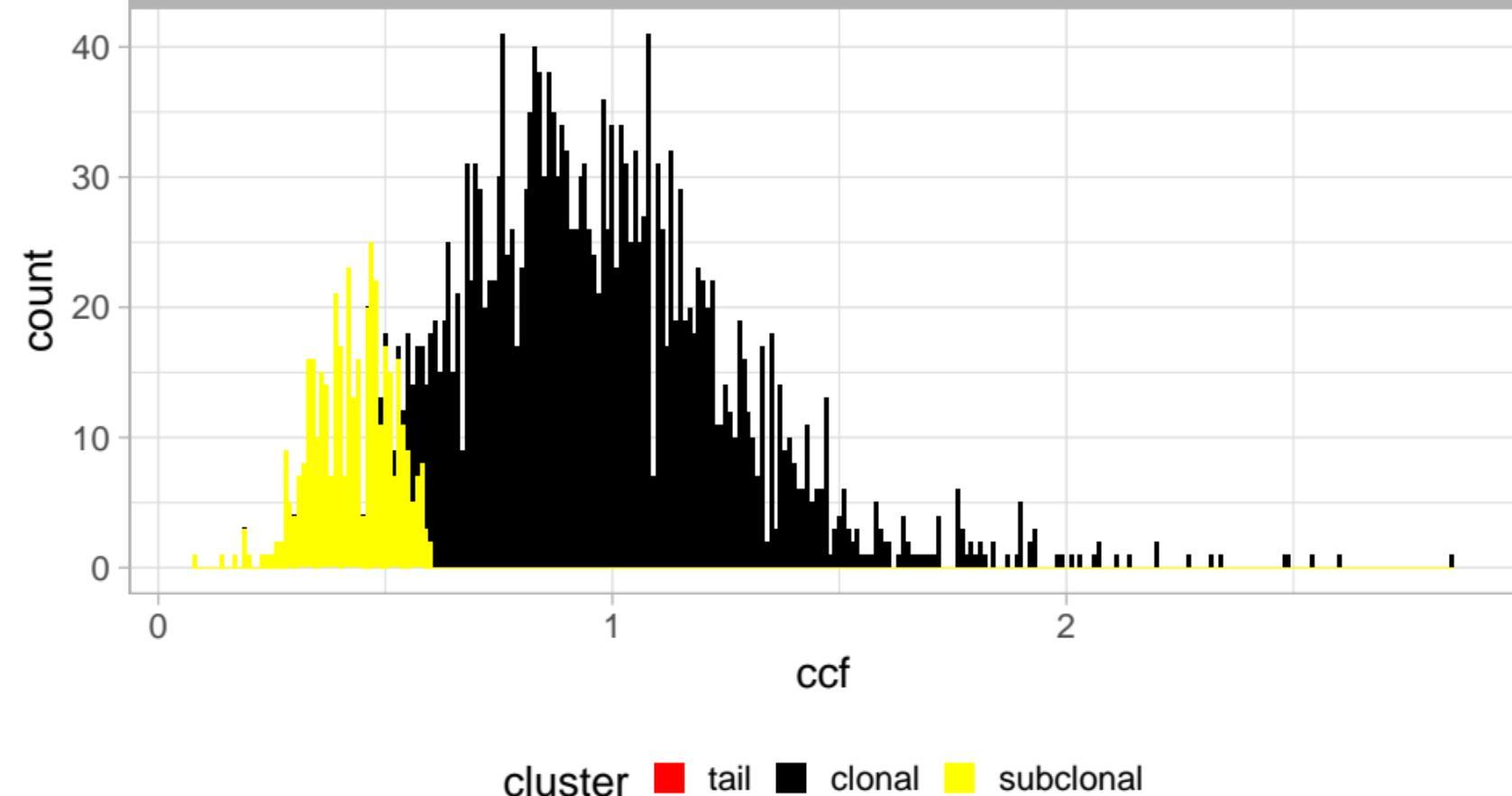
600
400
200
0

0 2 4 6 8

ccf

cluster tail clonal subclonal

SA530620



SA542479

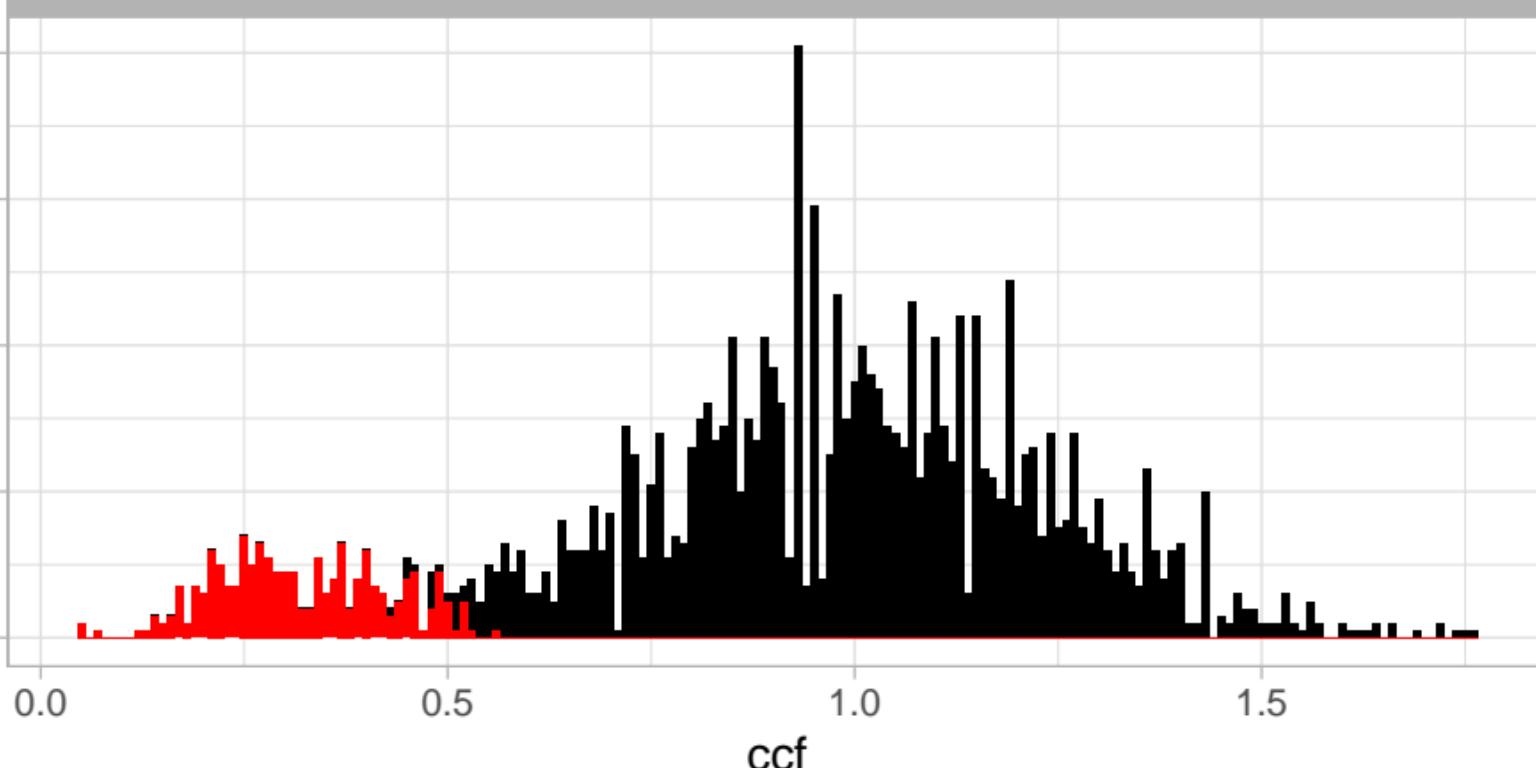
count

80
60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542209

count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413914

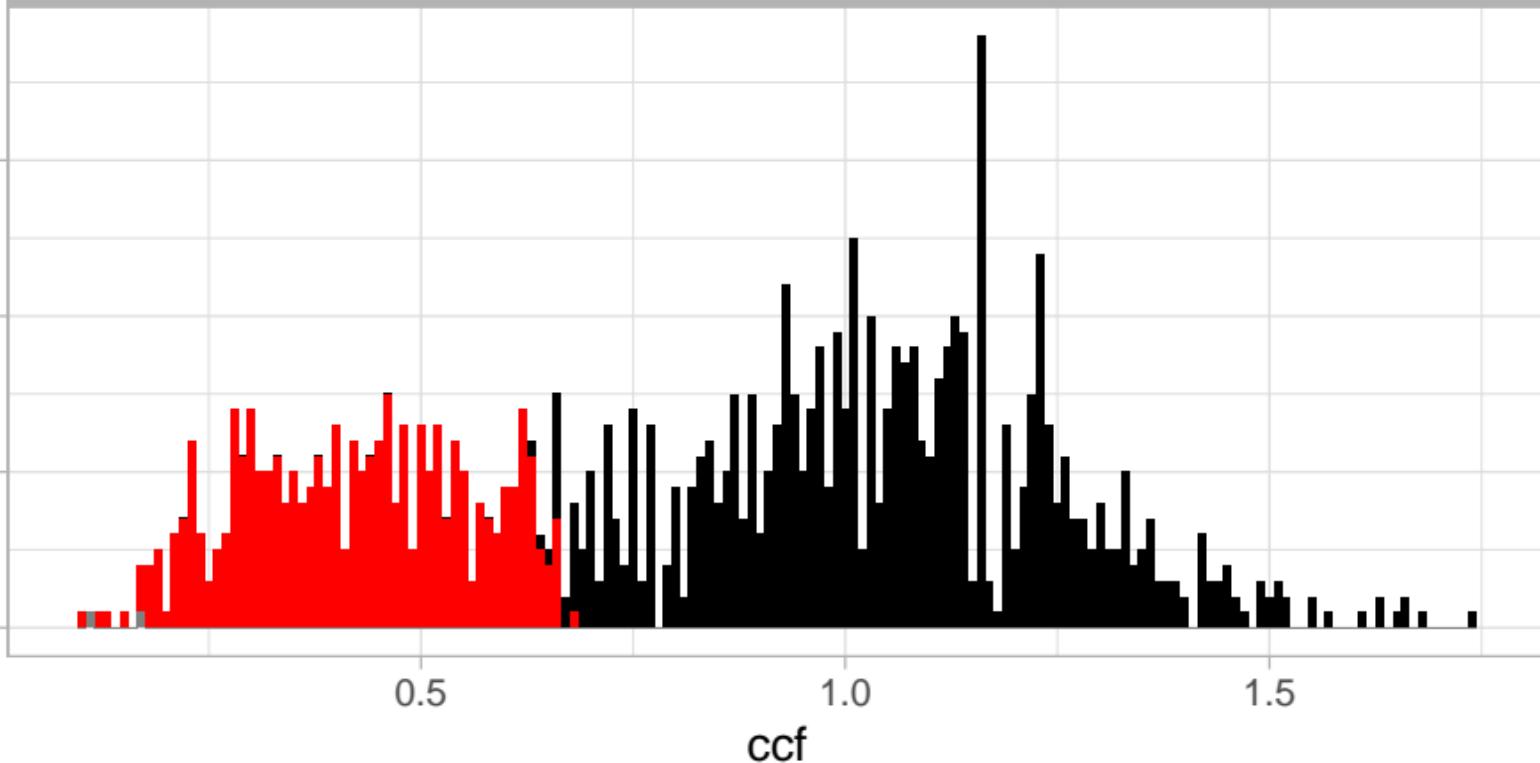
count

30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA505271

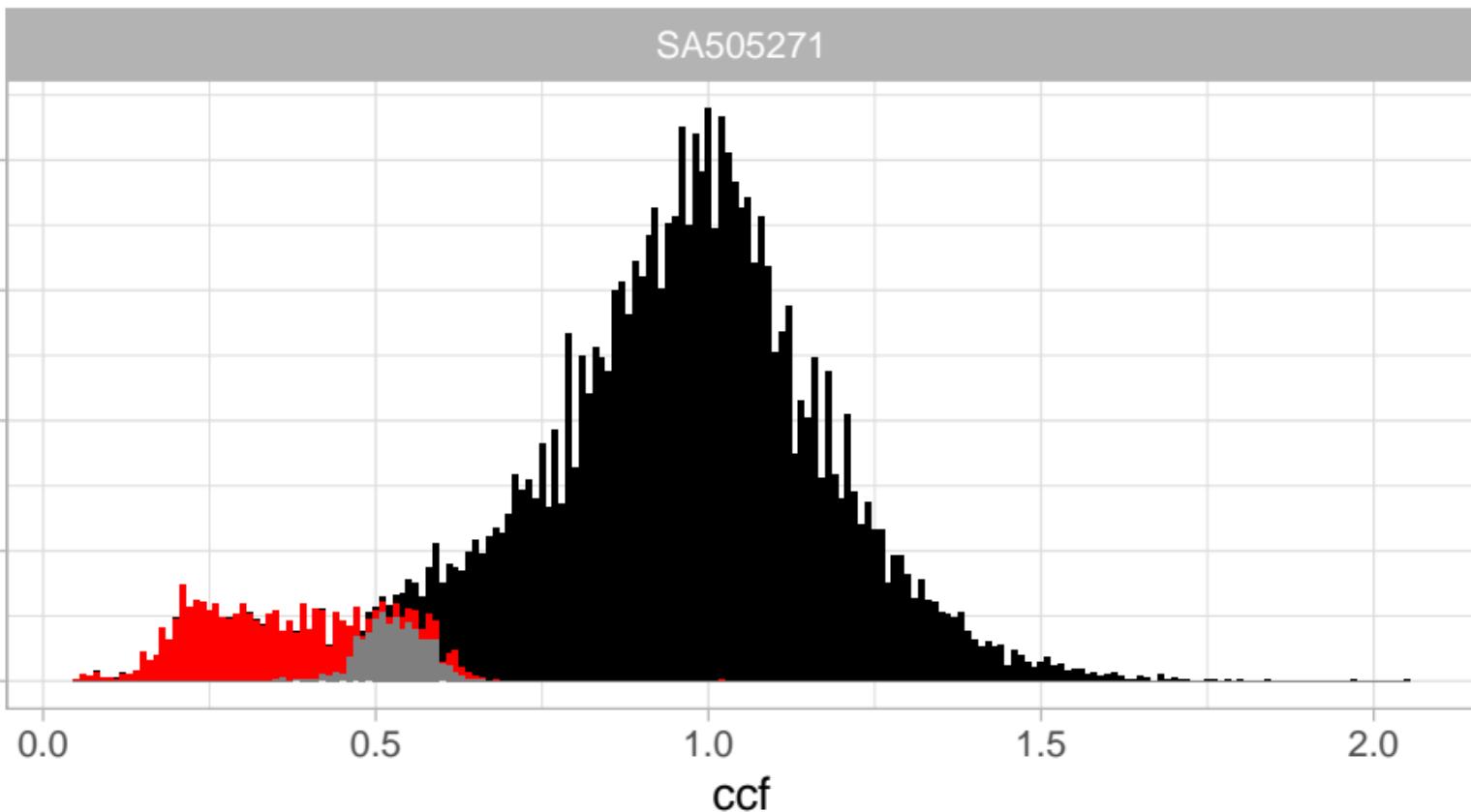
count

400
300
200
100
0

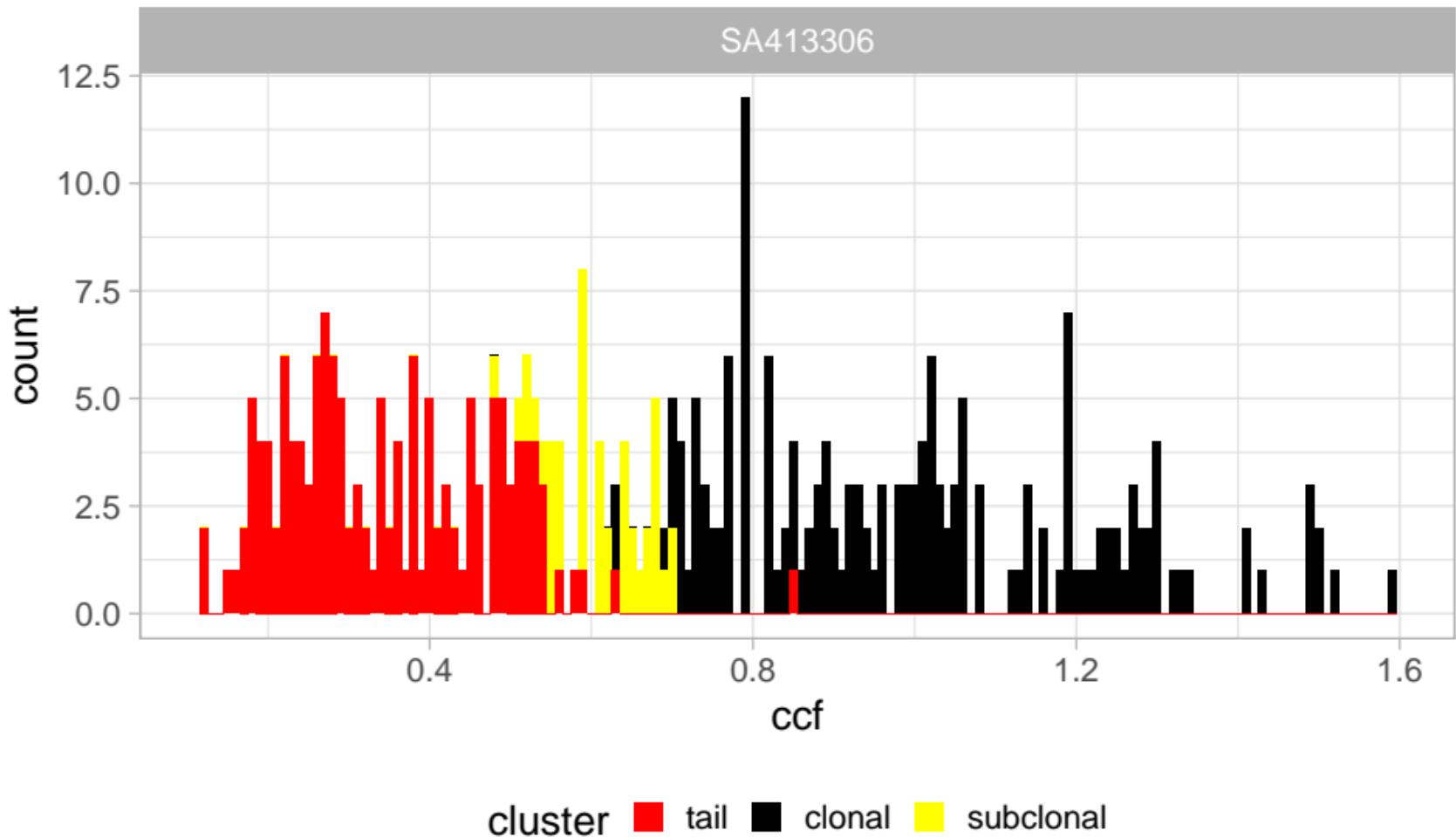
0.0 0.5 1.0 1.5 2.0

ccf

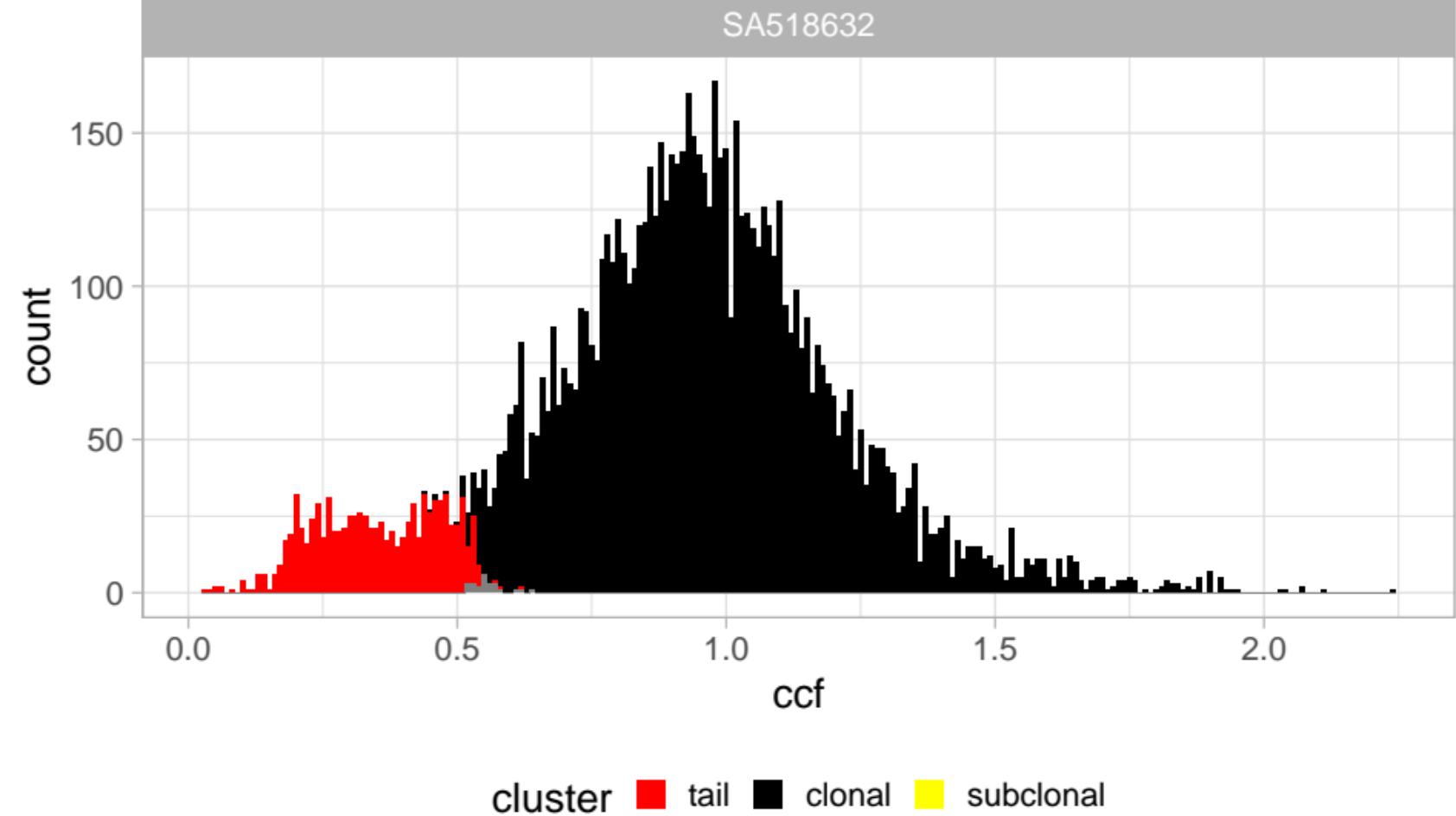
cluster tail clonal subclonal



SA413306

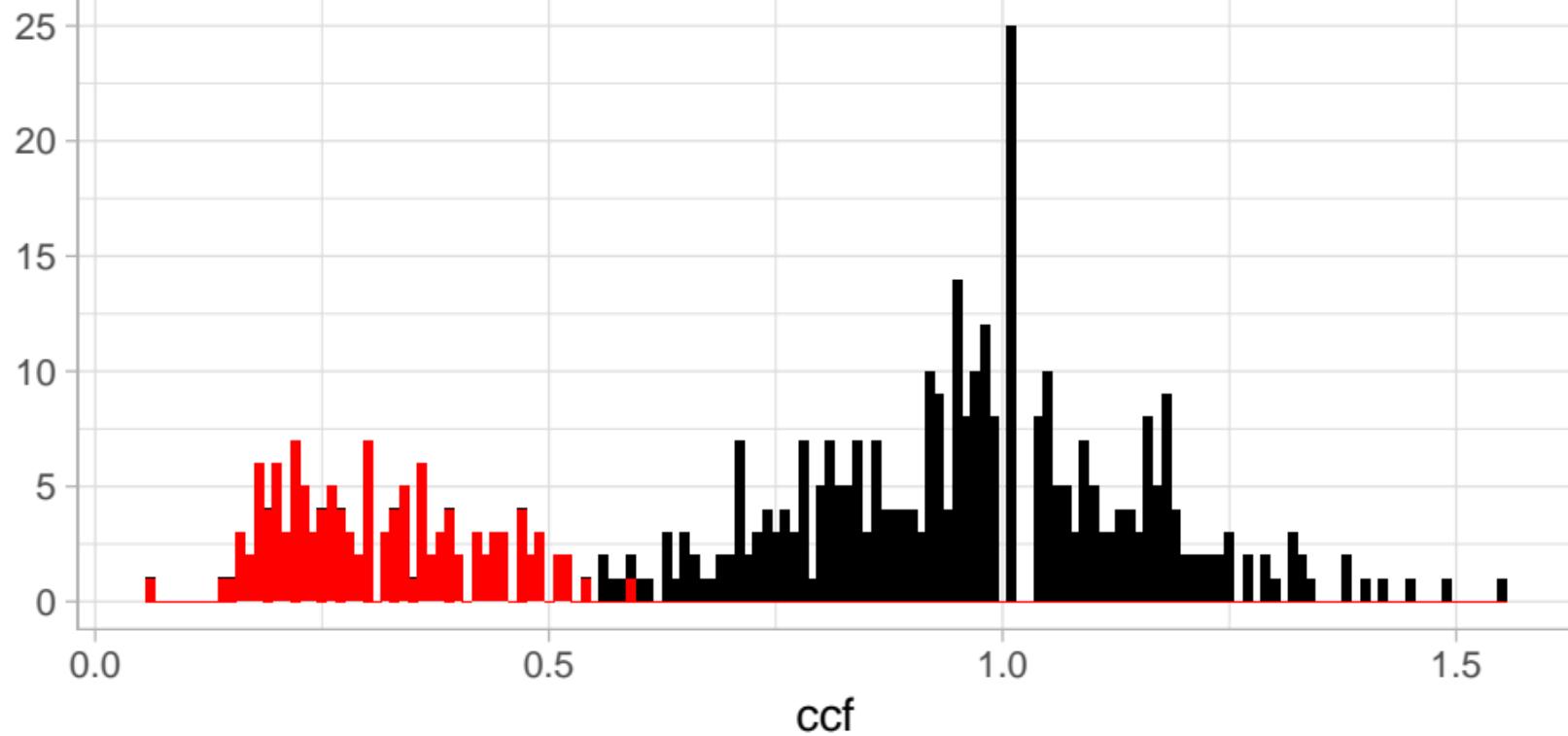


SA518632



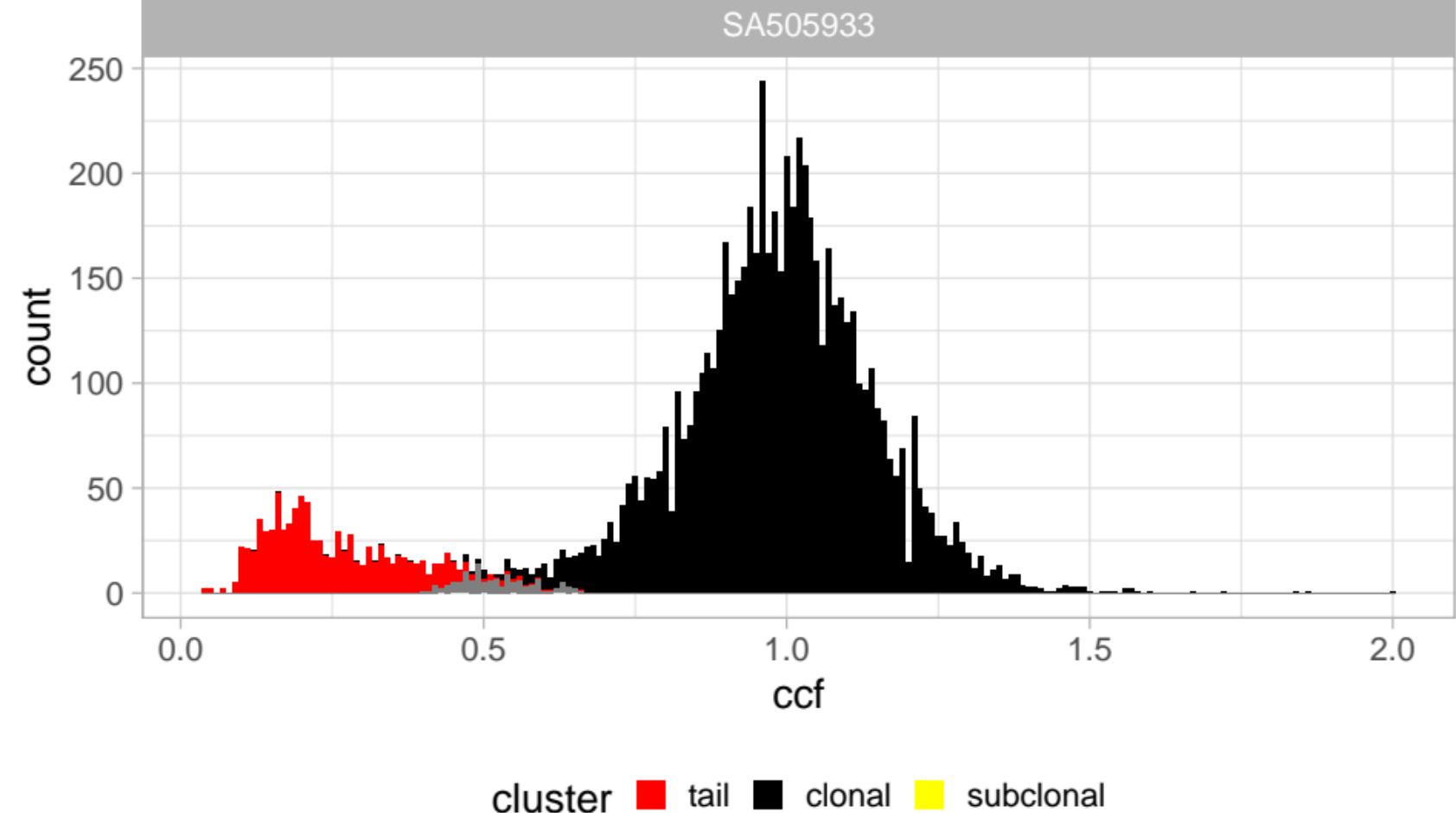
SA517375

count



cluster ■ tail ■ clonal ■ subclonal

SA505933



SA413900

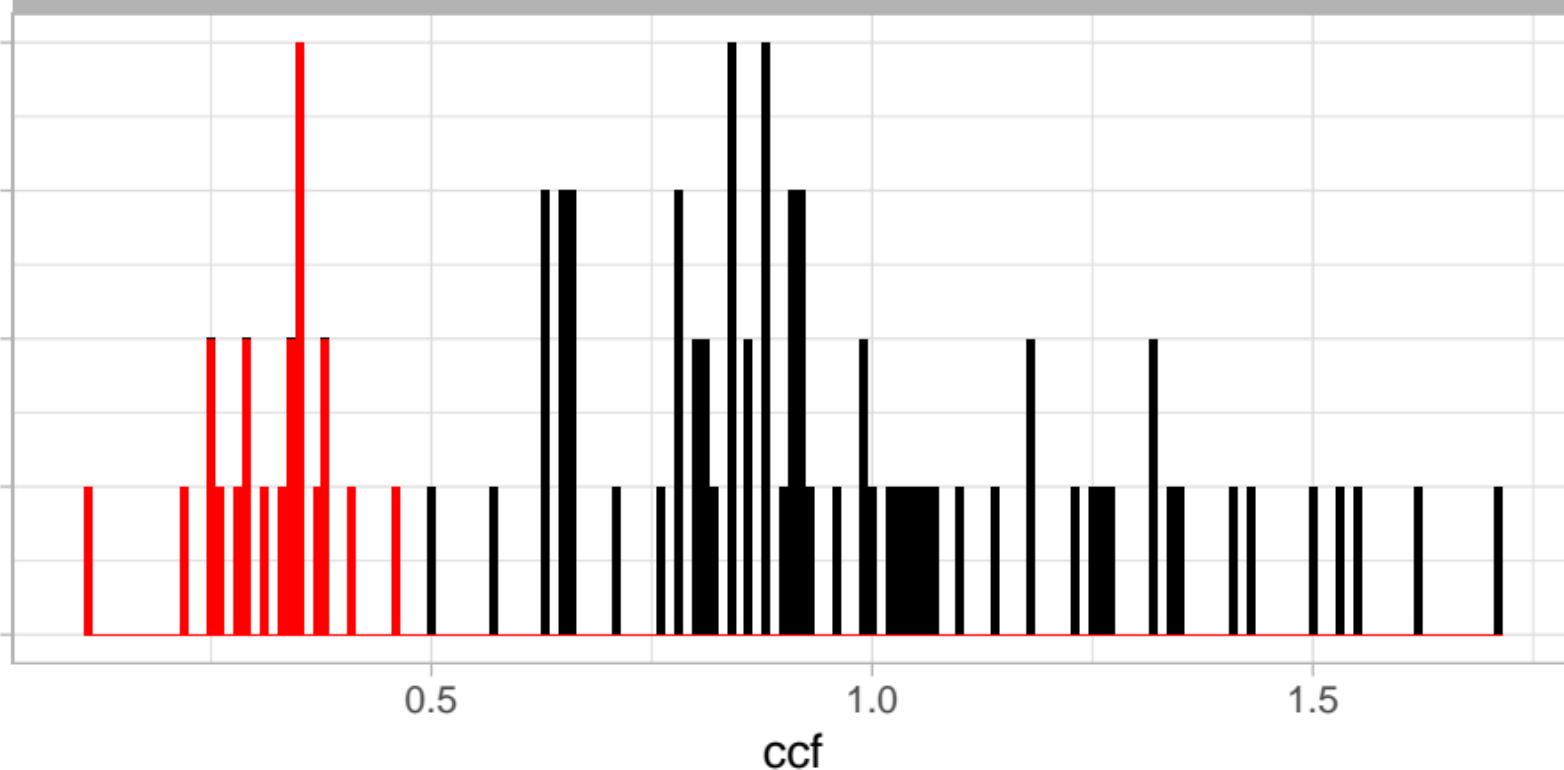
count

4
3
2
1
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA520214

count

150

100

50

0

0.0

0.5

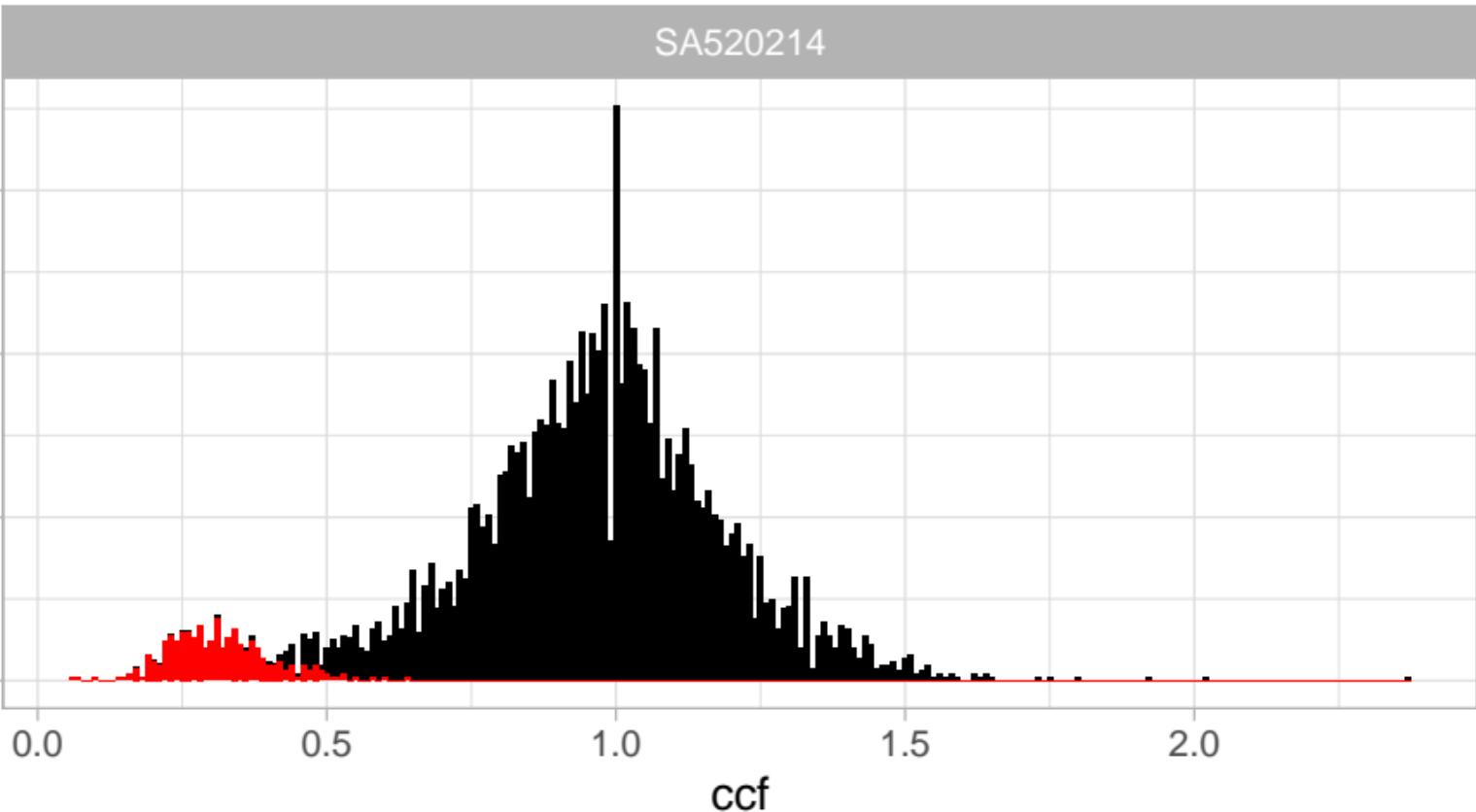
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA505493

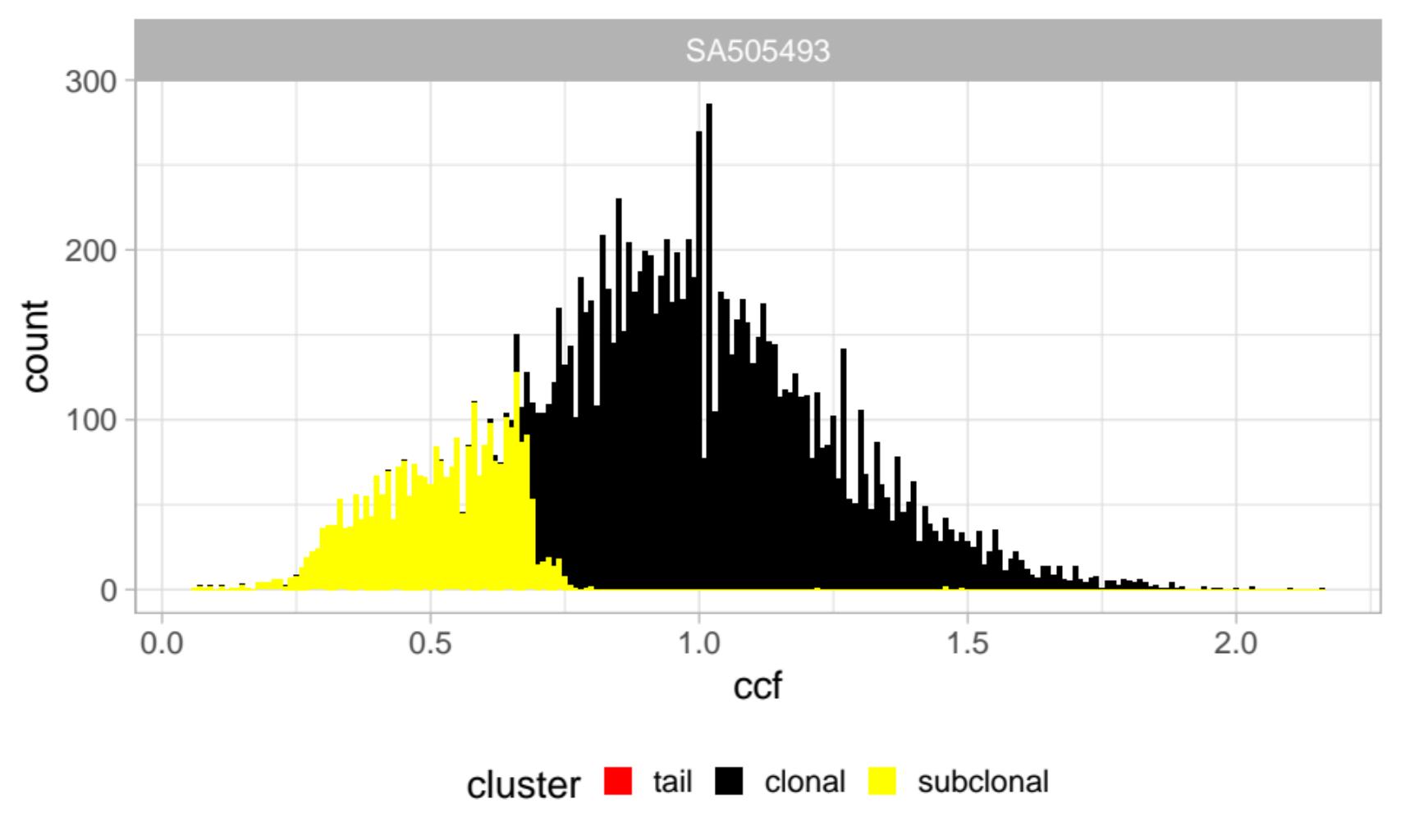
count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

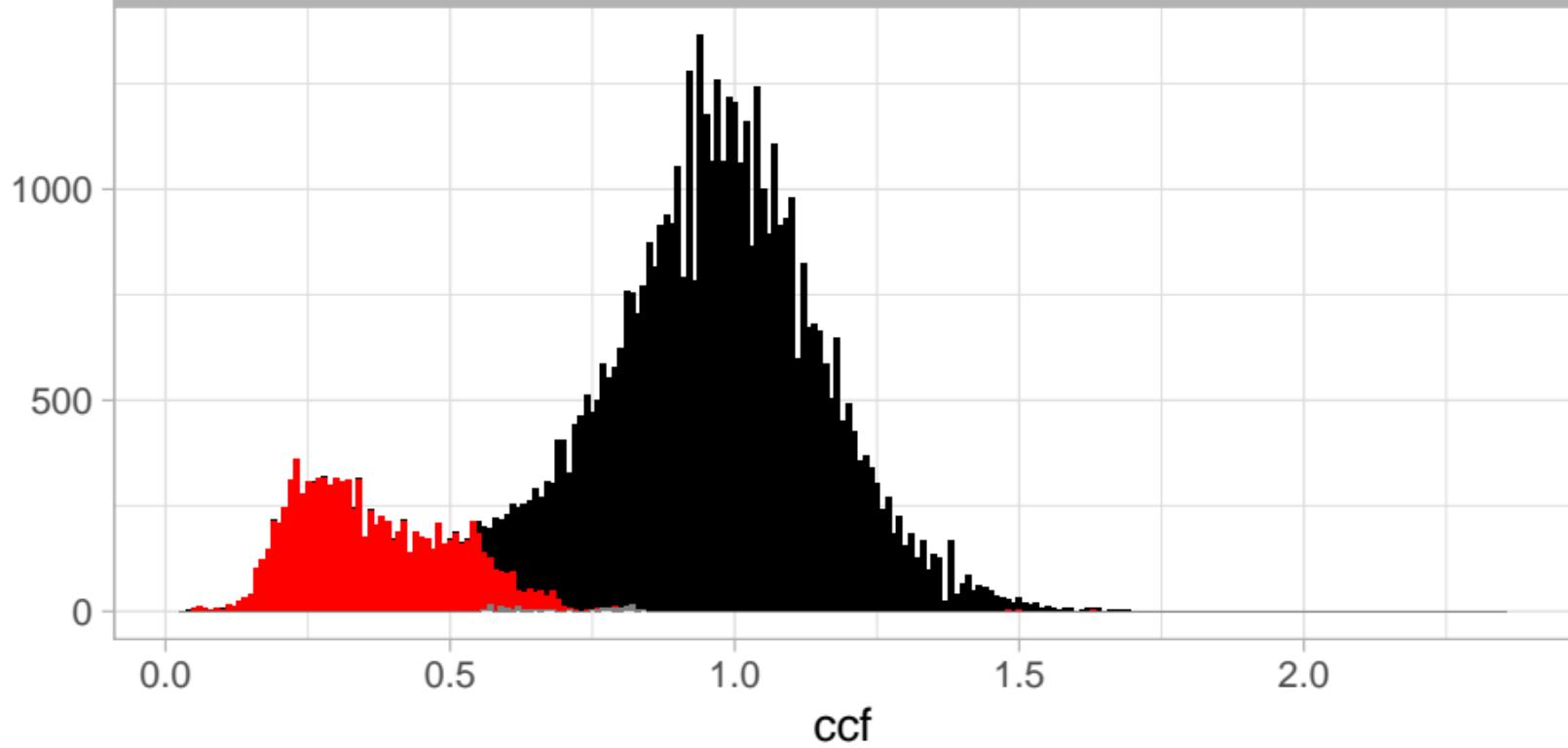
ccf

cluster tail clonal subclonal



SA528941

count



cluster ■ tail ■ clonal ■ subclonal

SA539006

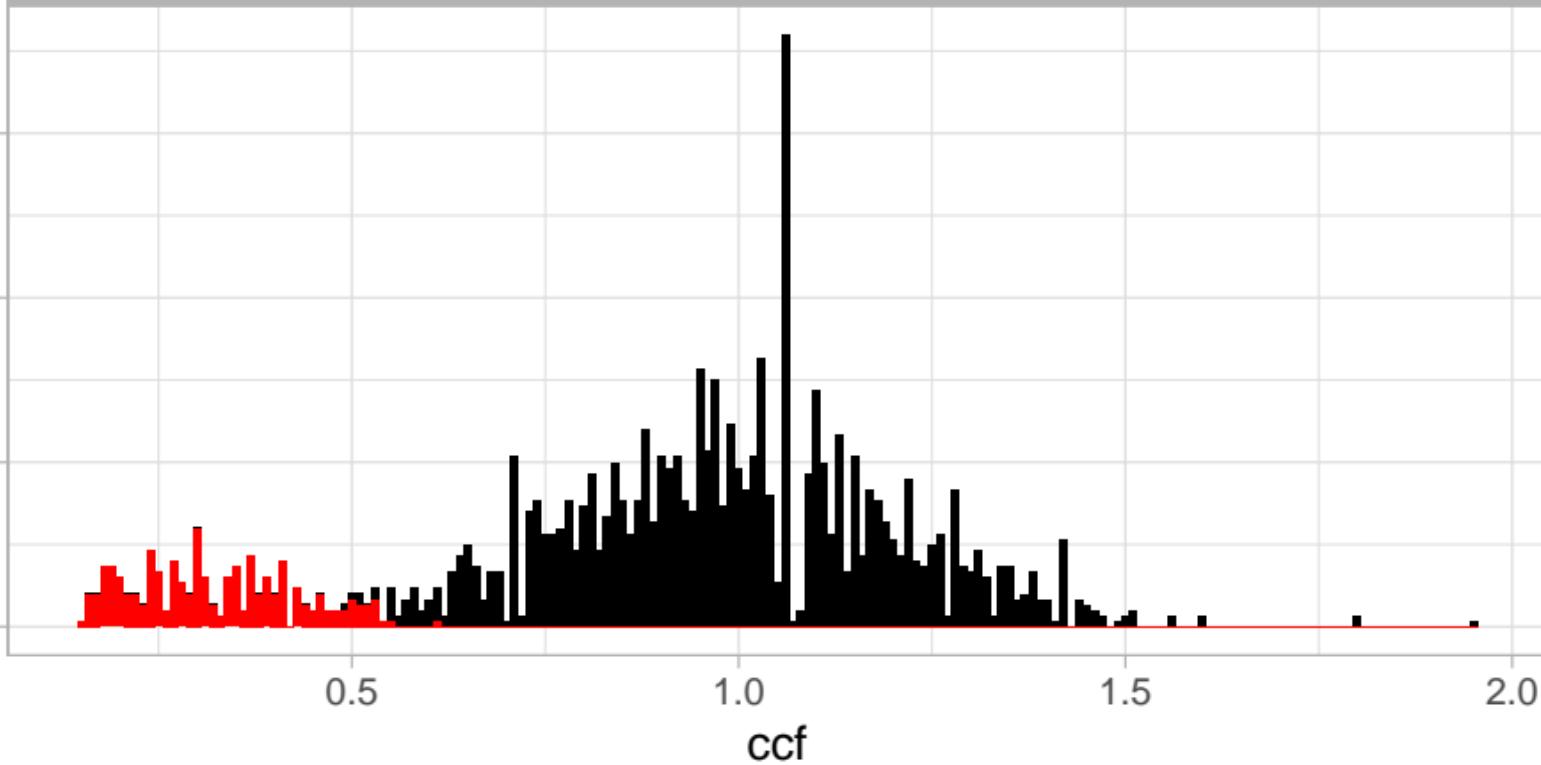
count

90
60
30
0

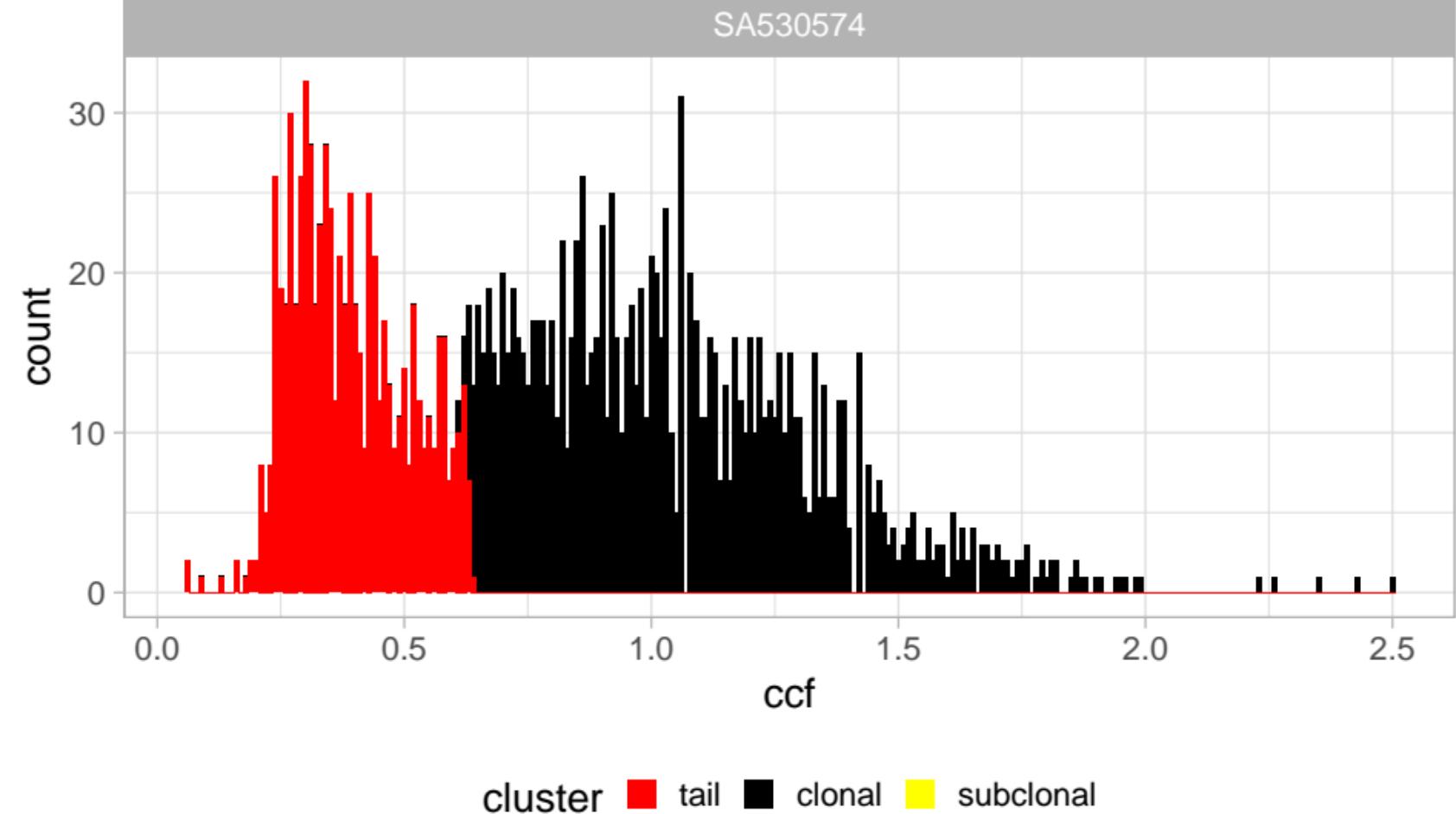
0.5 1.0 1.5 2.0

ccf

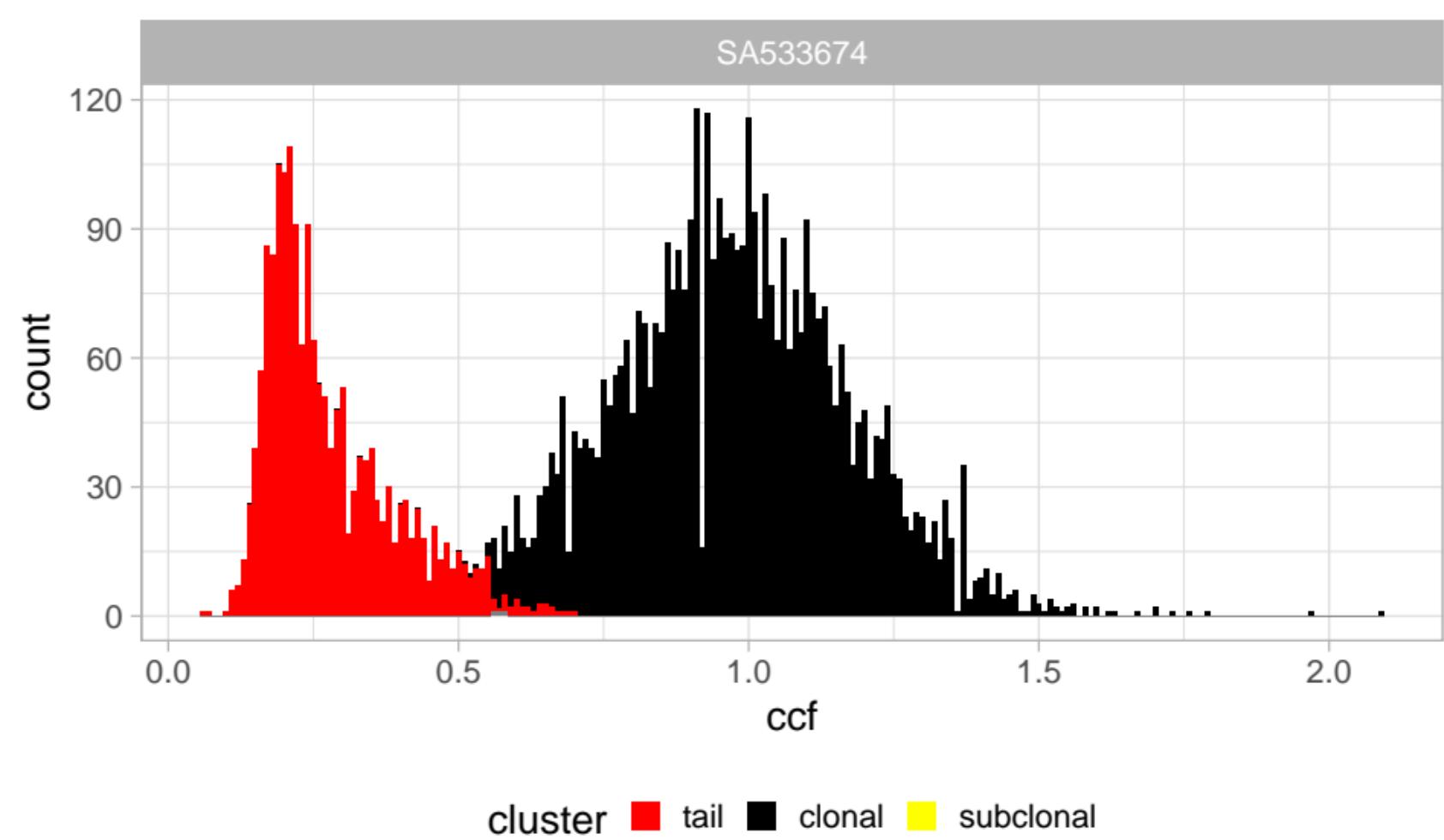
cluster tail clonal subclonal



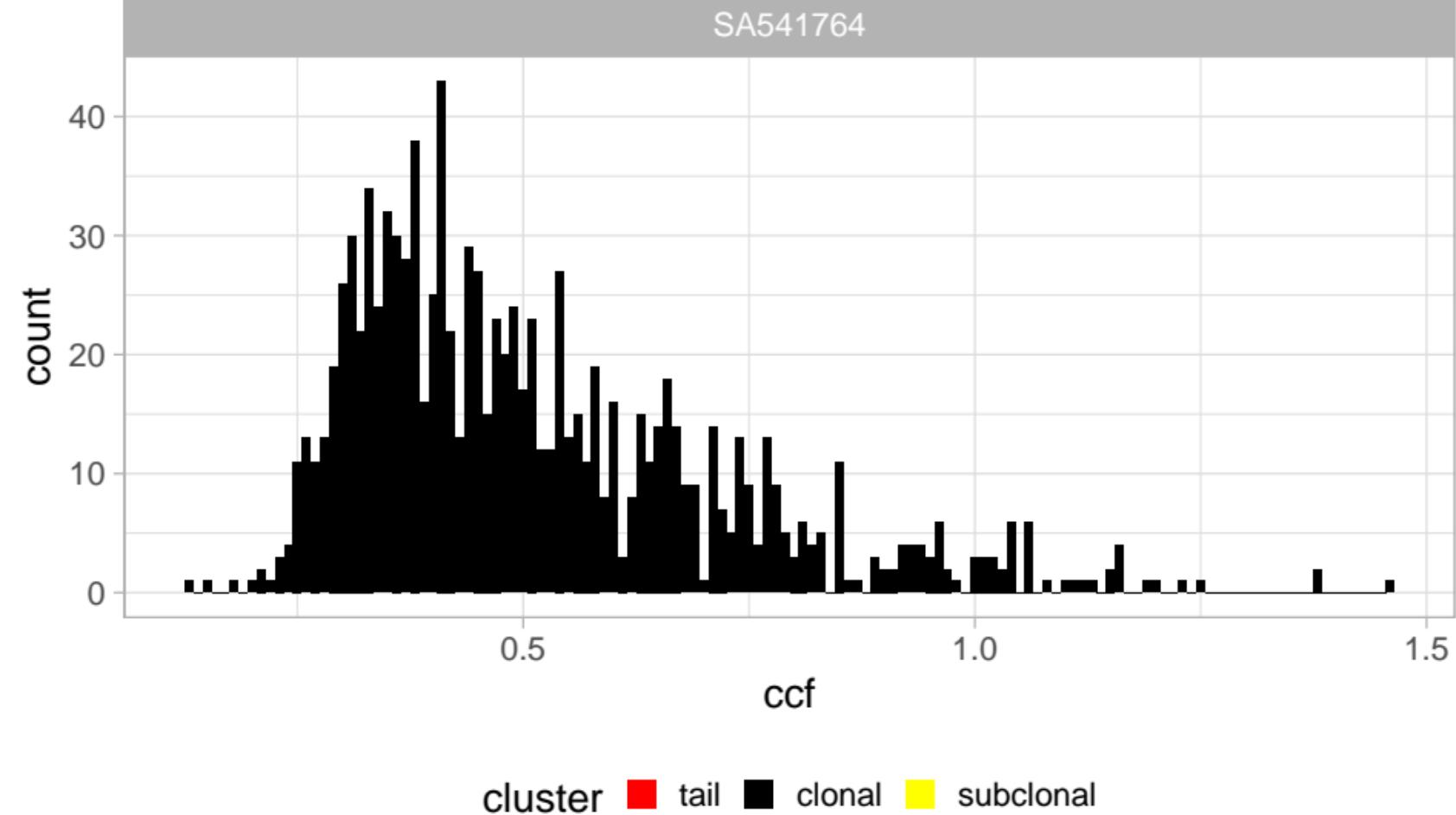
SA530574



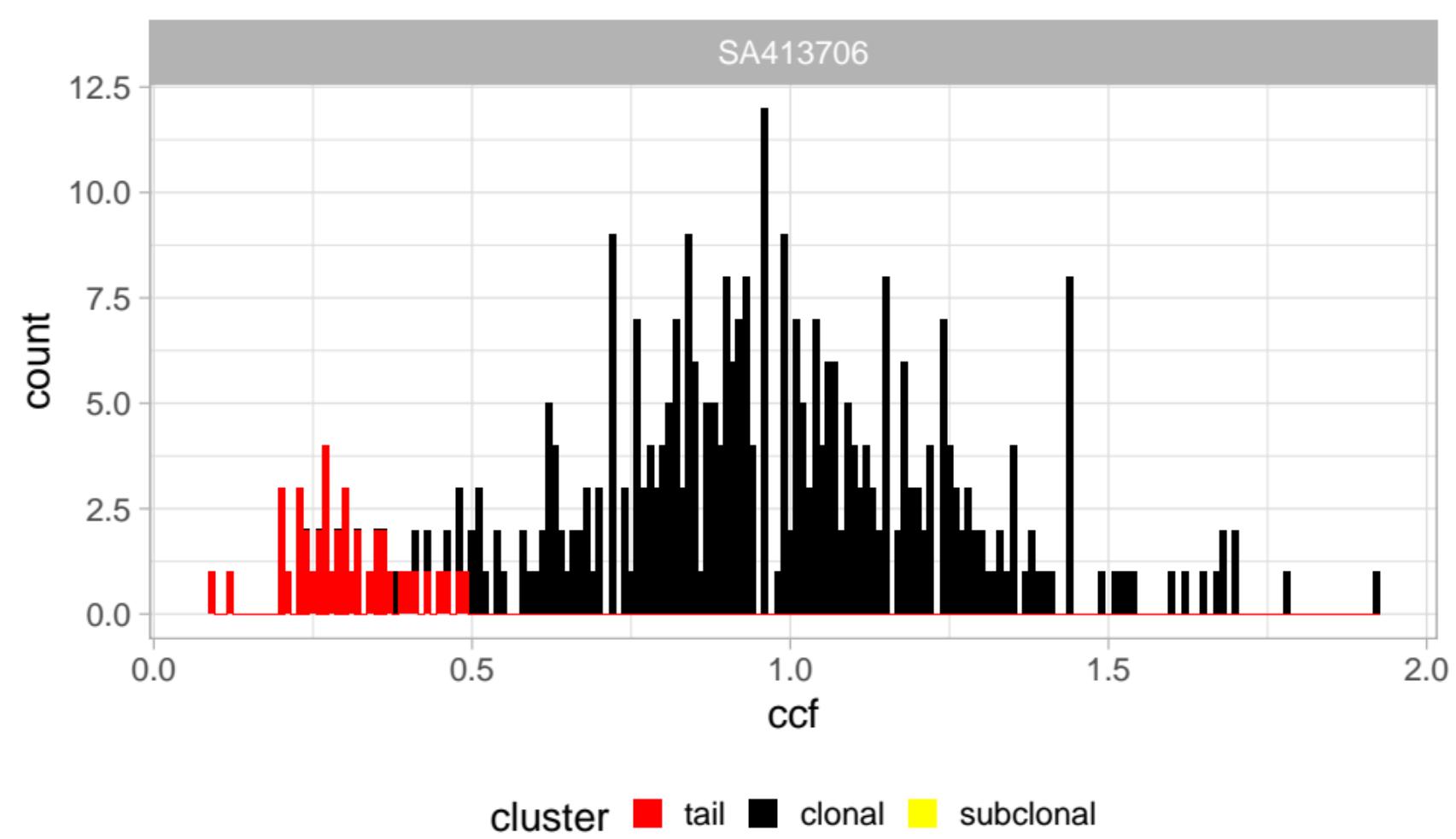
SA533674



SA541764



SA413706



SA505861

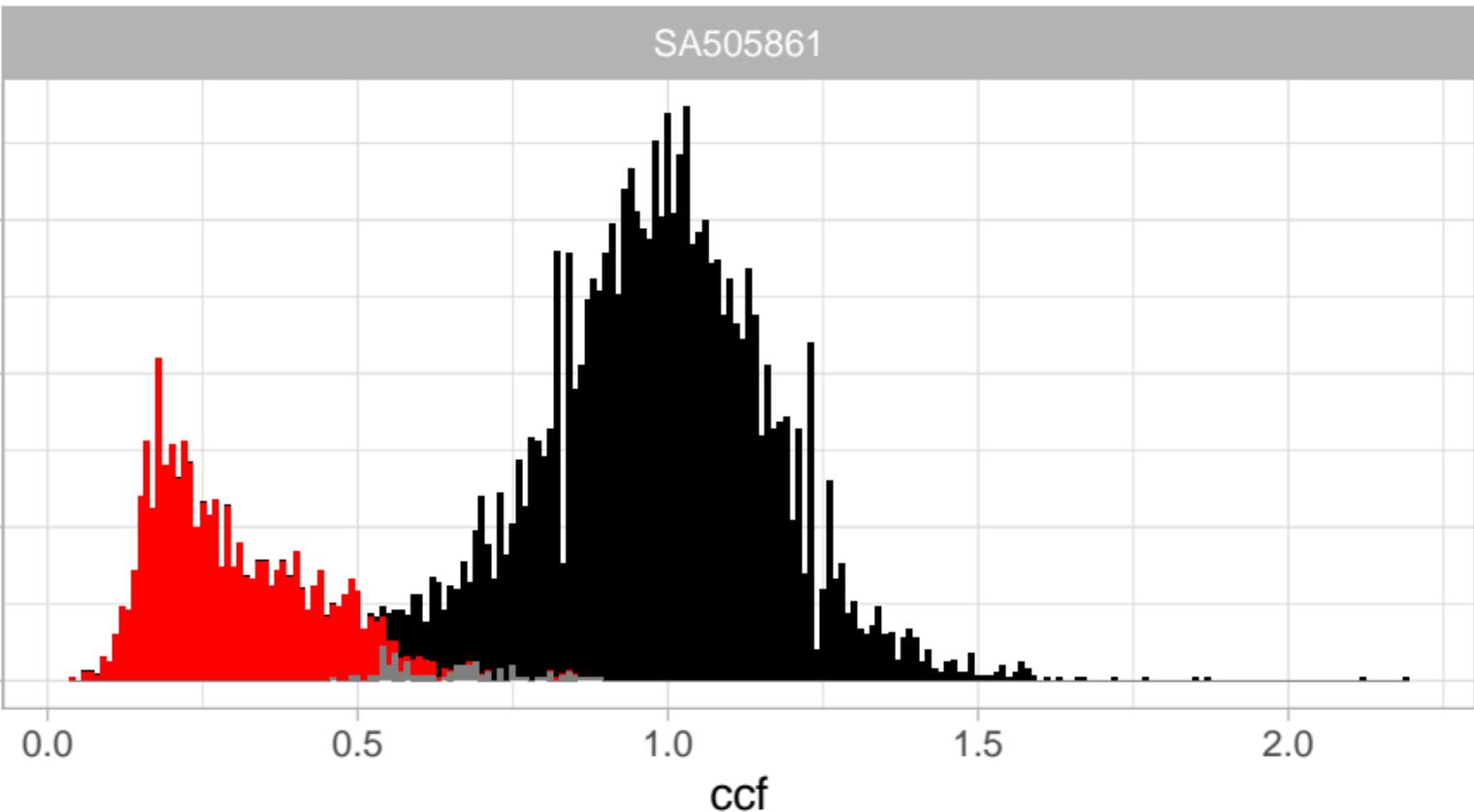
count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

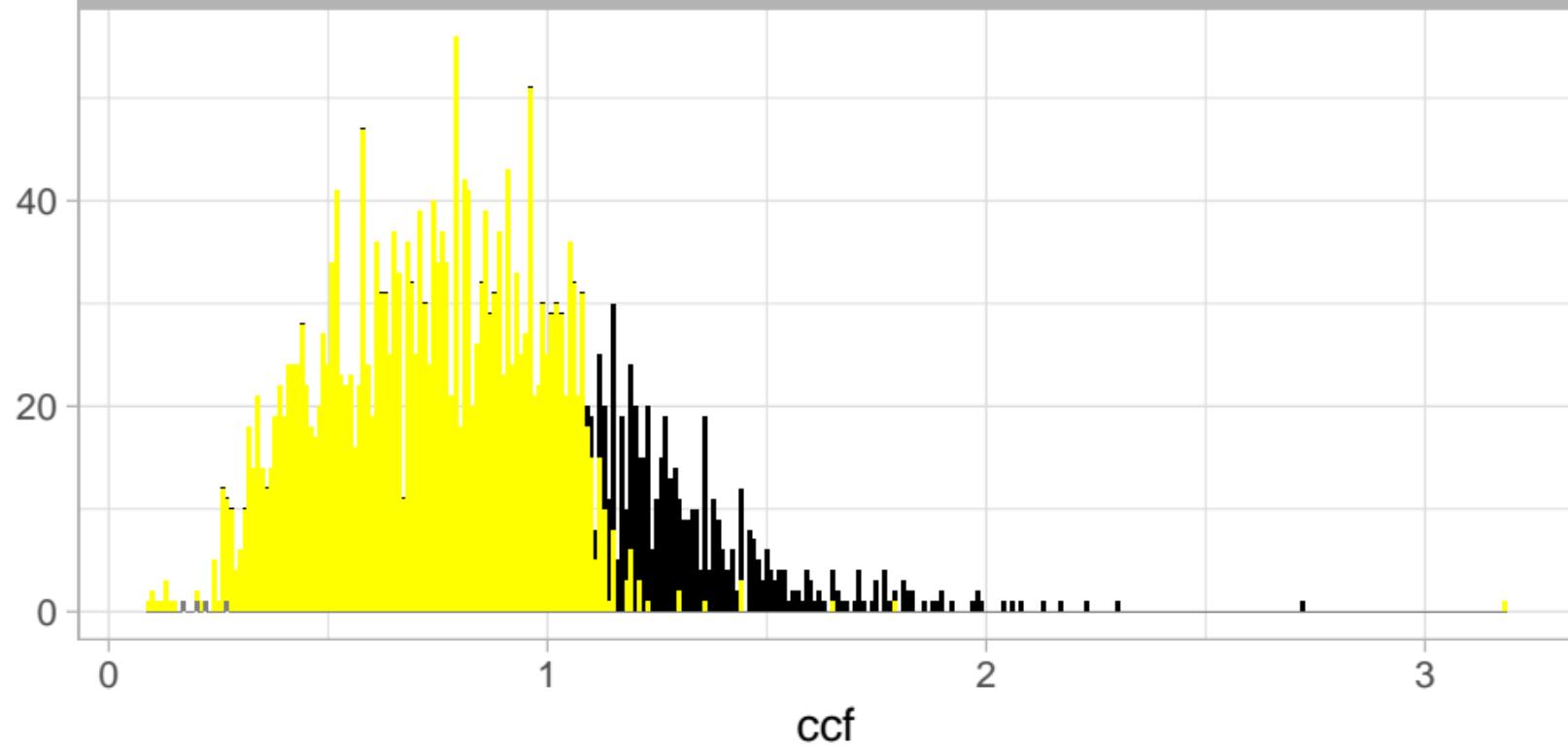
ccf

cluster tail clonal subclonal



SA530470

count



cluster ■ tail ■ clonal ■ subclonal

SA506707

count

300
200
100
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA320956

count

300

200

100

0

0.0

0.5

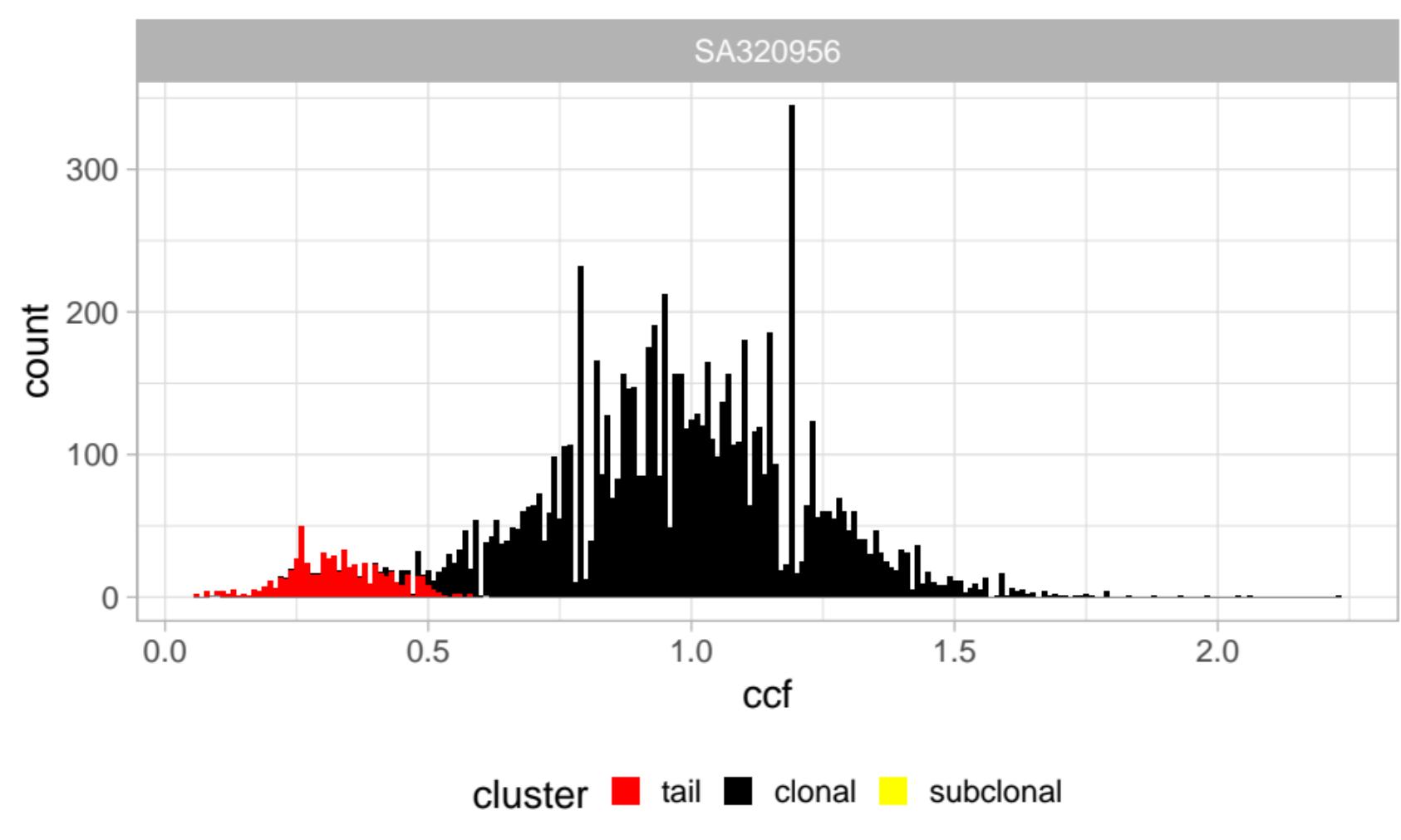
1.0

1.5

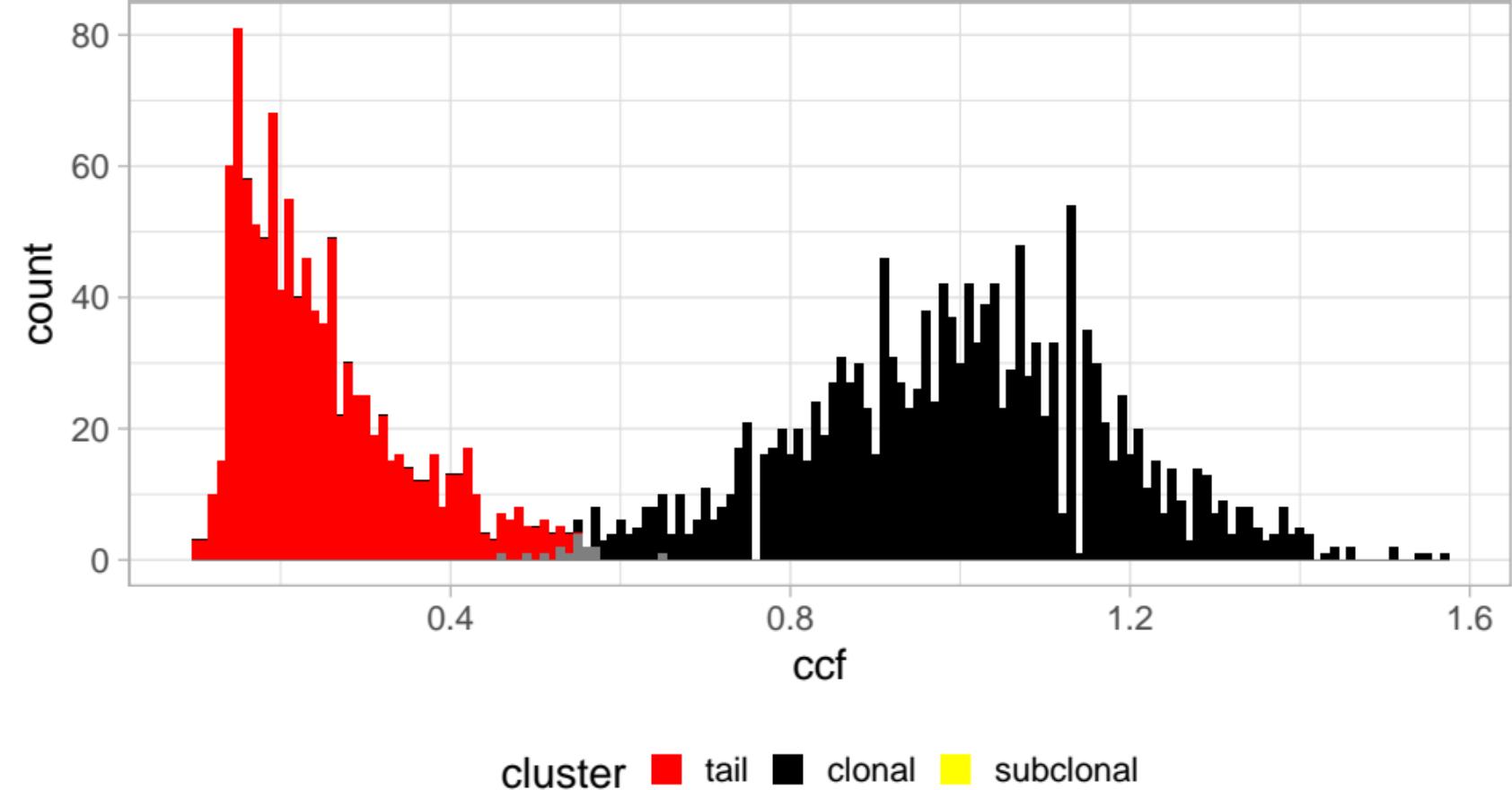
2.0

ccf

cluster tail clonal subclonal



SA86108



SA570888

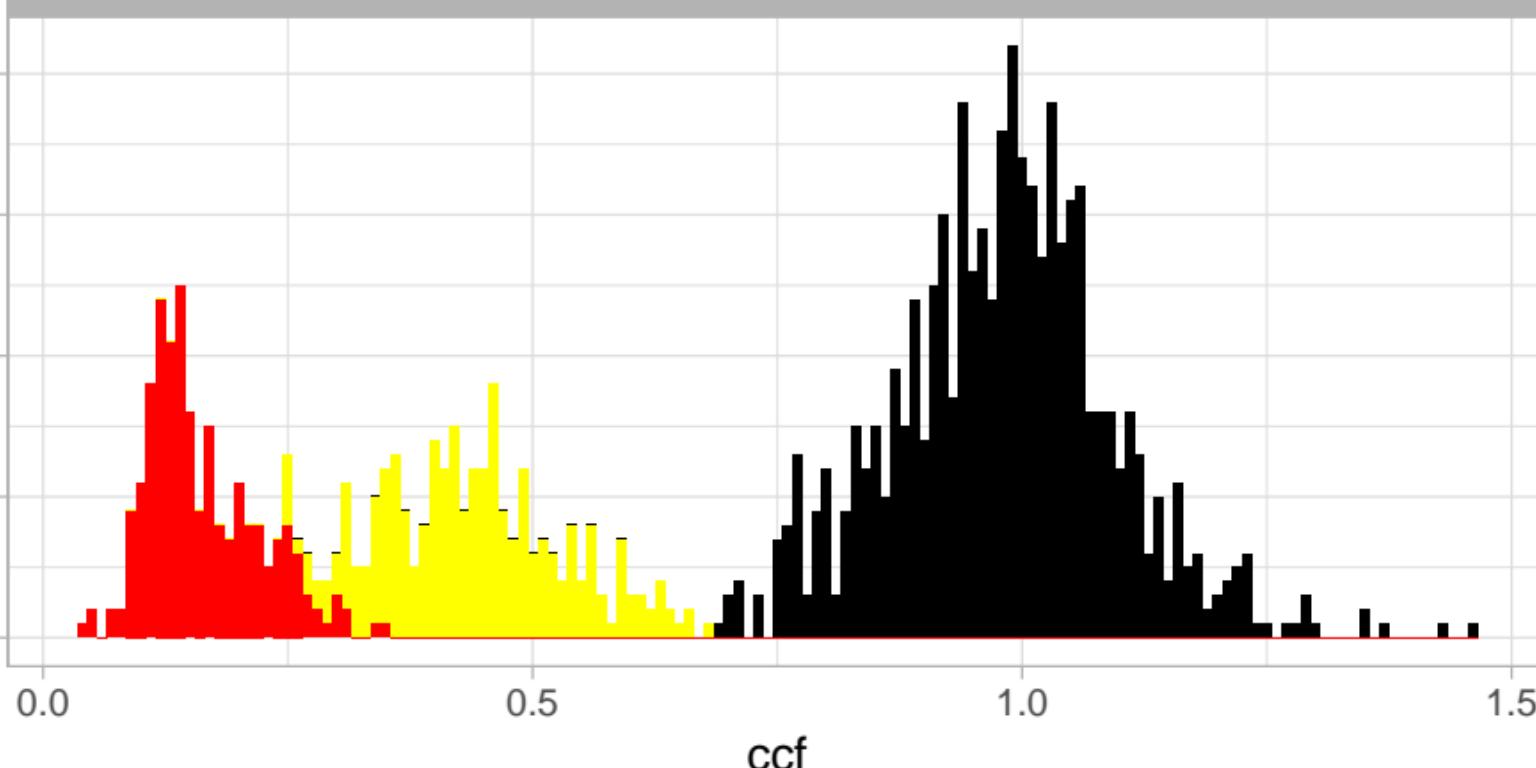
count

40
30
20
10
0

0.0 0.5 1.0 1.5

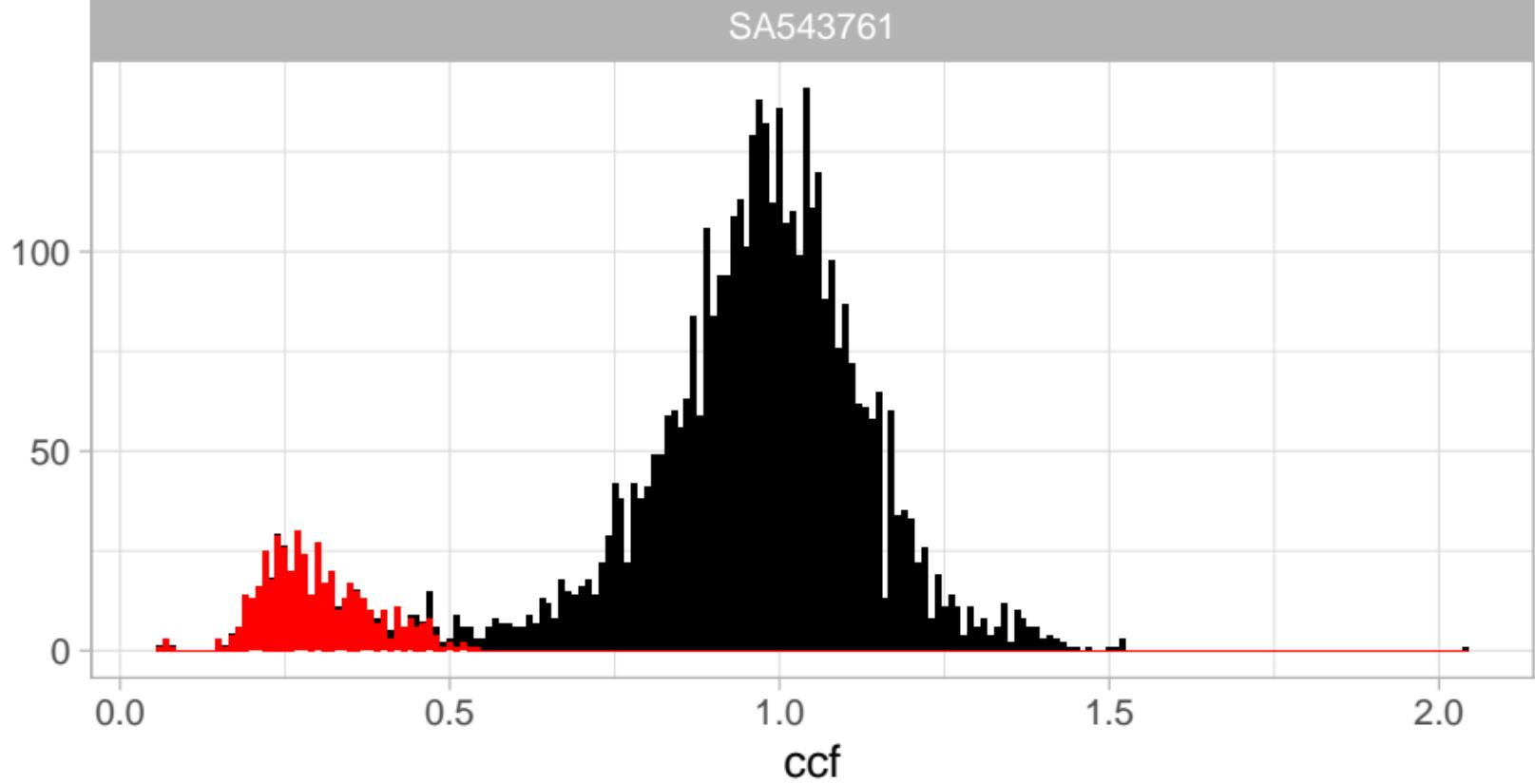
ccf

cluster tail clonal subclonal



SA543761

count



cluster ■ tail ■ clonal ■ subclonal

SA530558

count

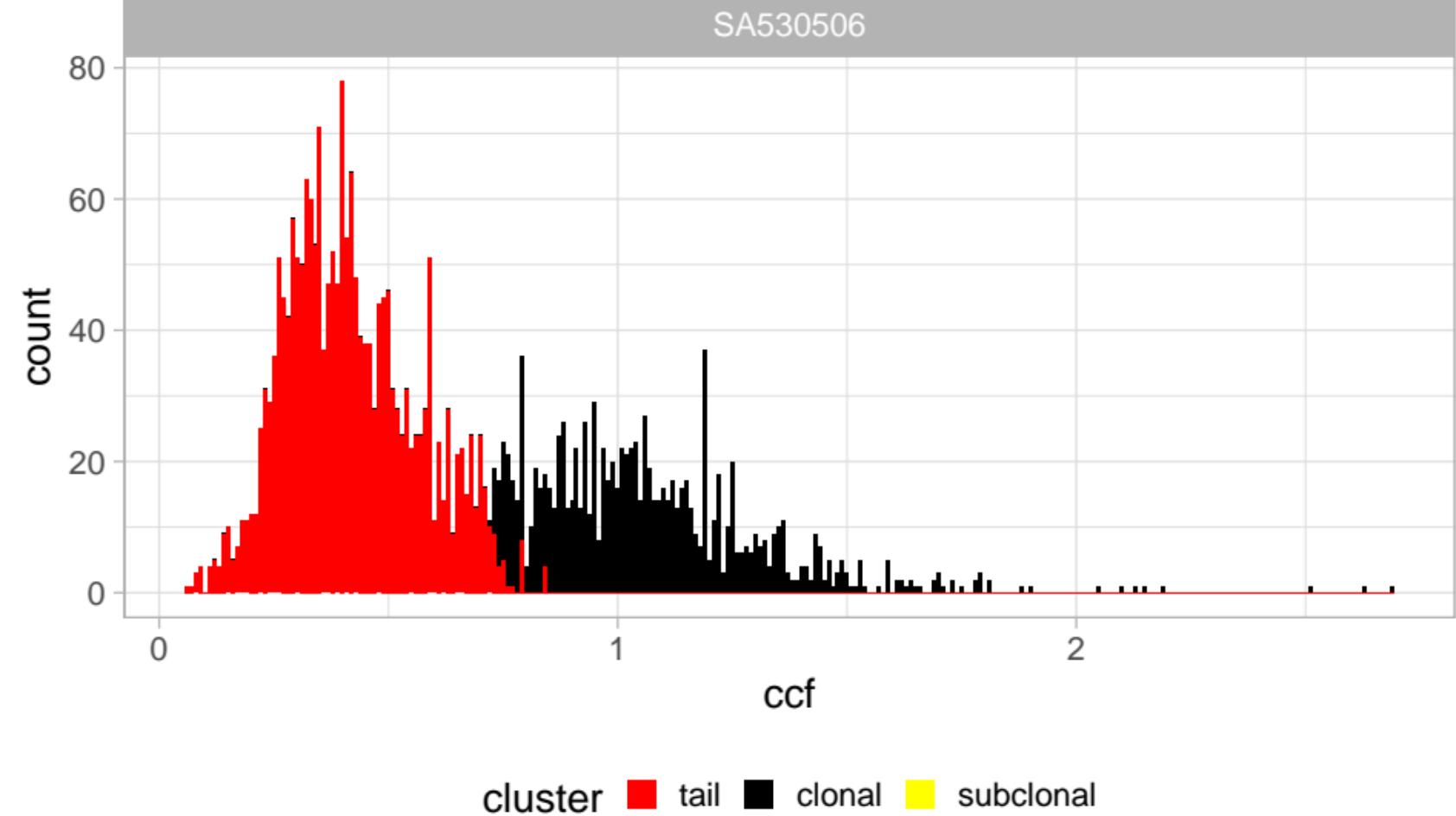
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA530506



SA413928

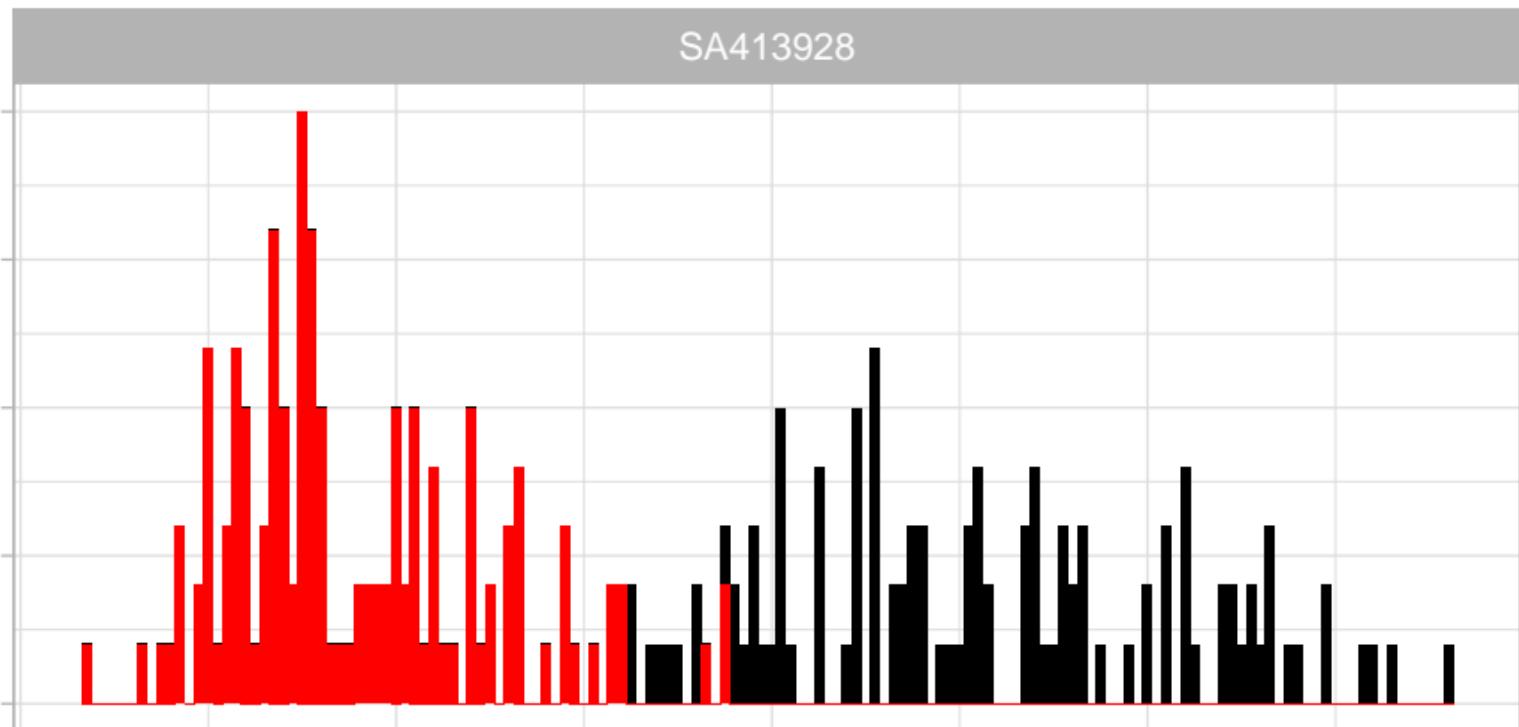
count

10.0
7.5
5.0
2.5
0.0

0.0 0.4 0.8 1.2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA505796

count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA411761

count

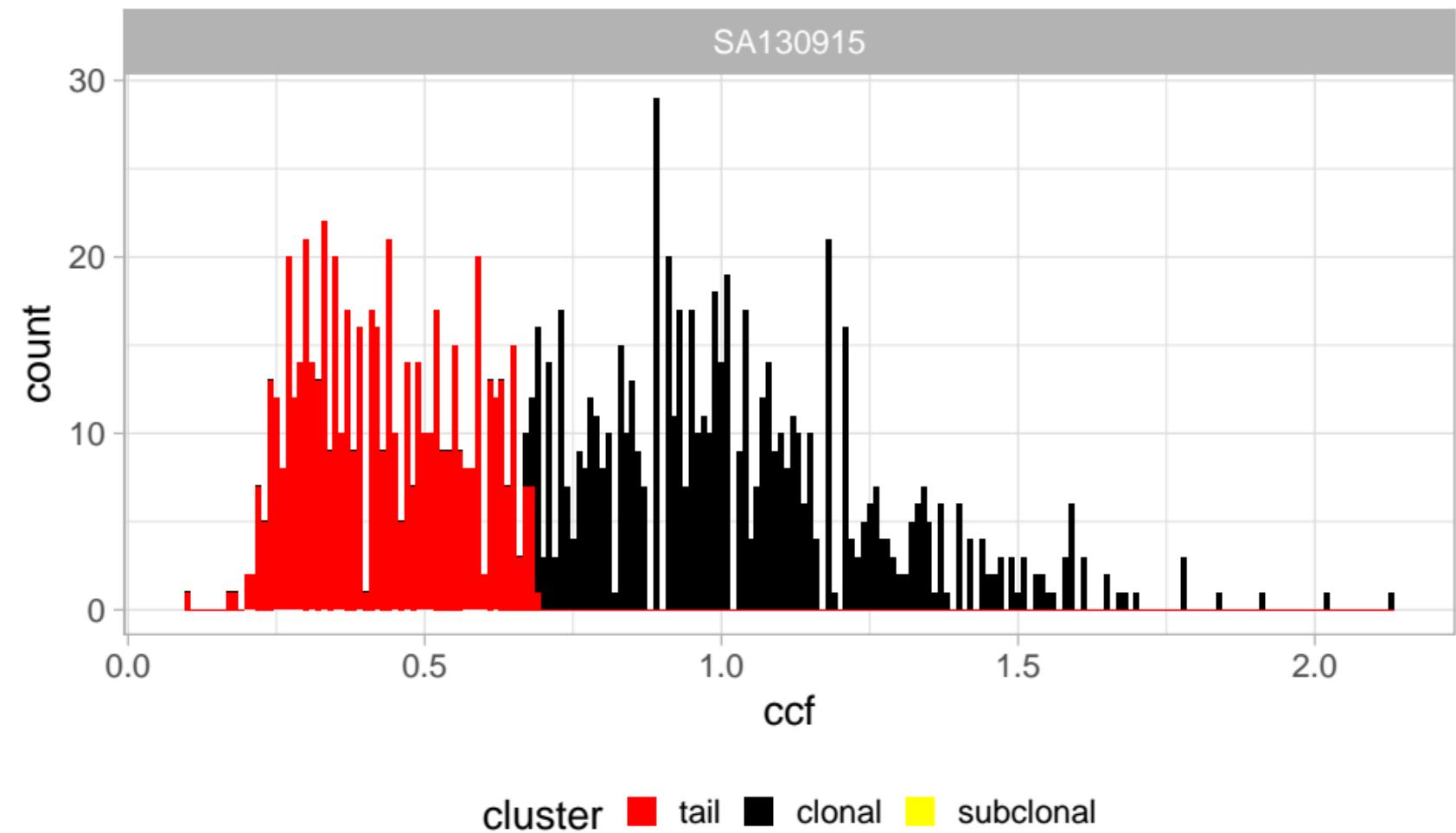
90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA130915



SA528810

count

600
400
200
0

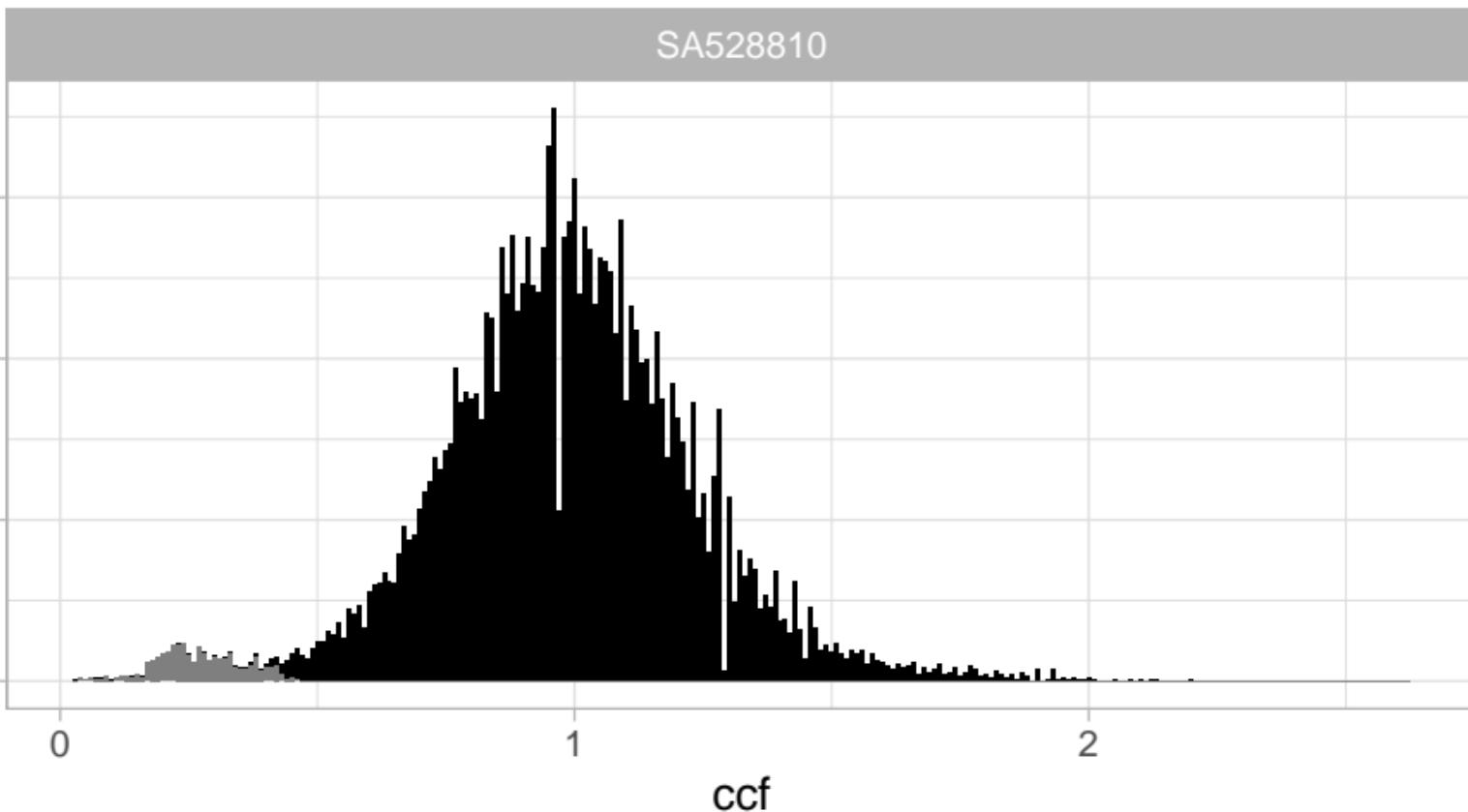
0

1

2

ccf

cluster tail clonal subclonal



SA320992

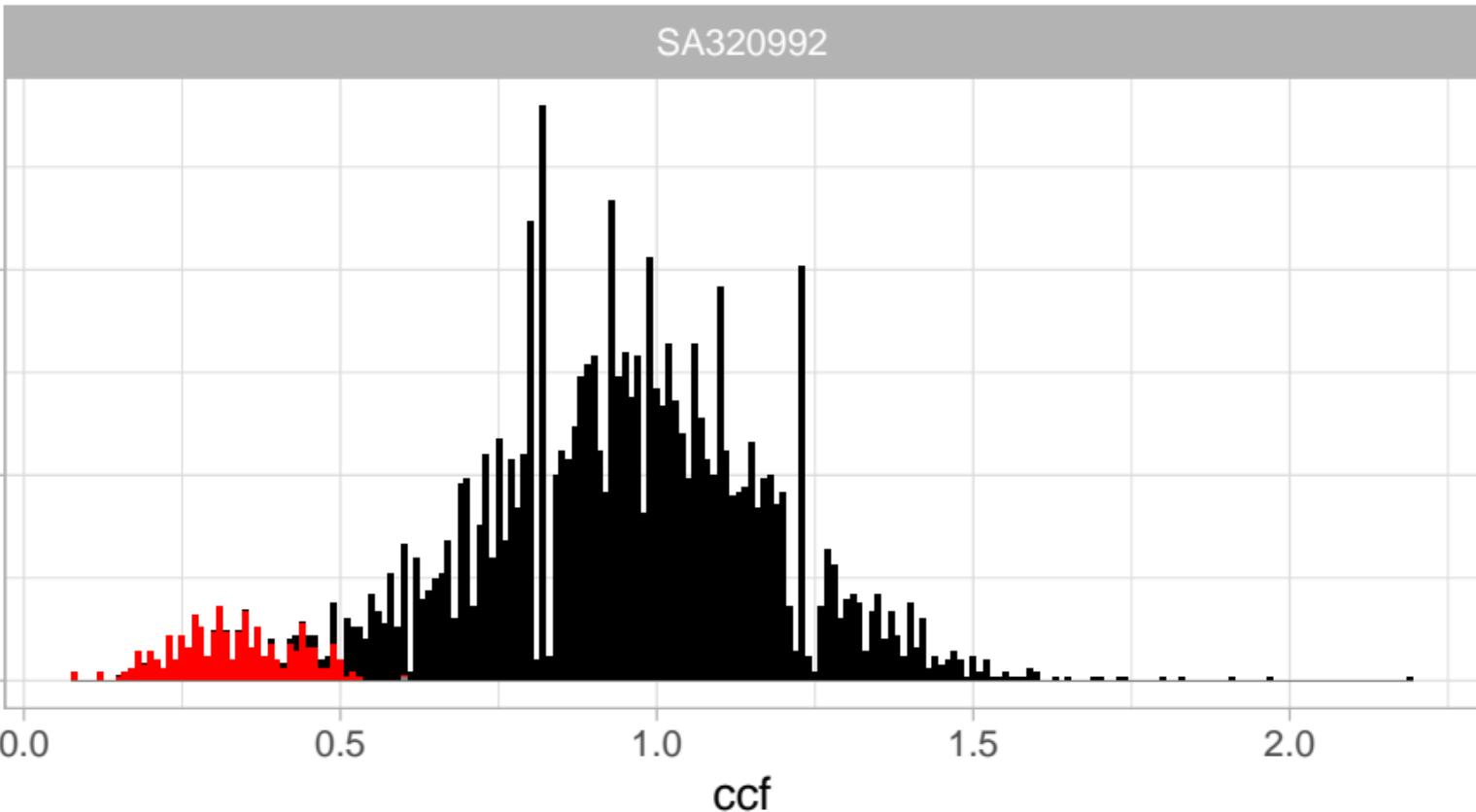
count

100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA413738

count

10
5
0

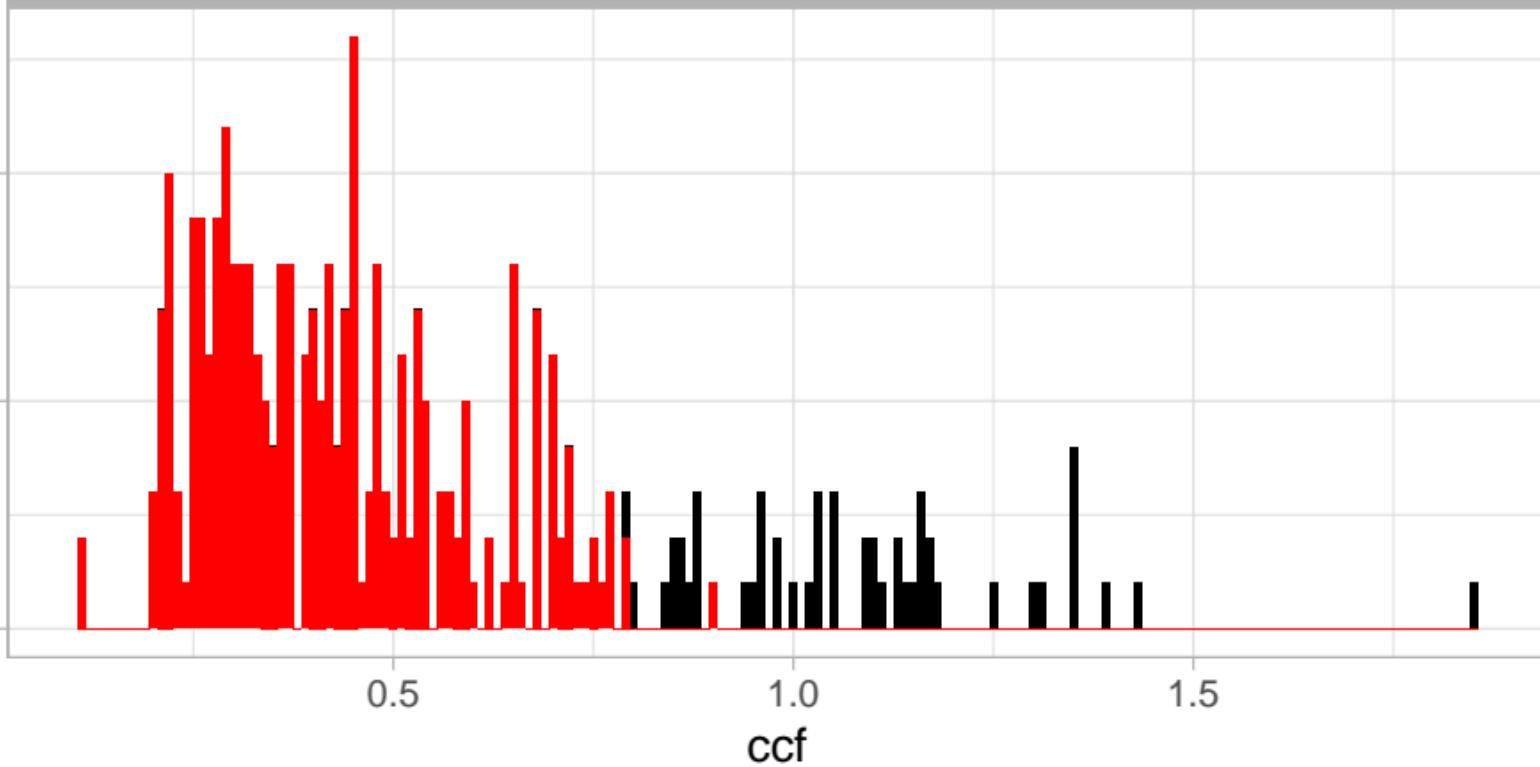
0.5

1.0

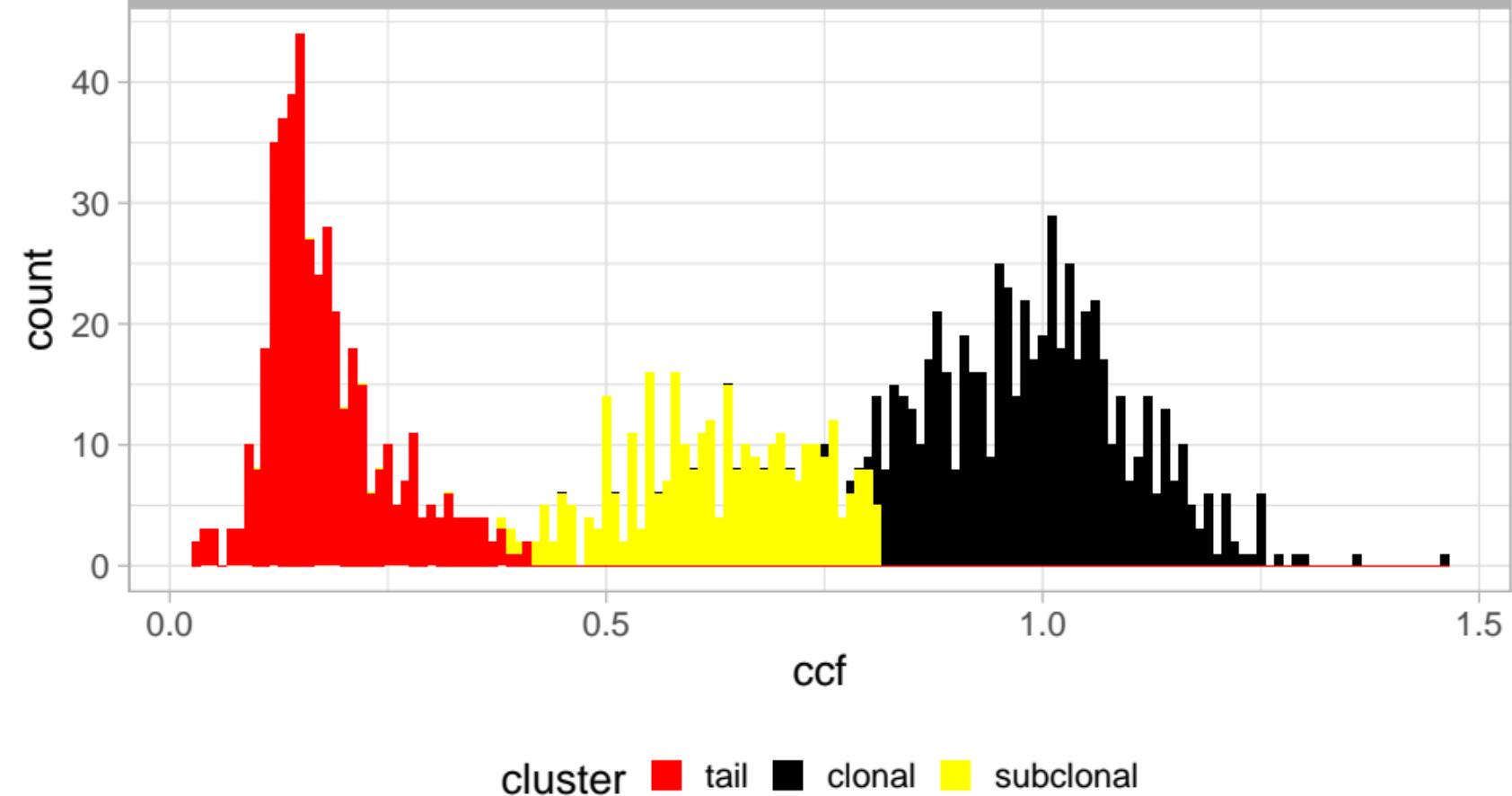
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA570835



SA413837

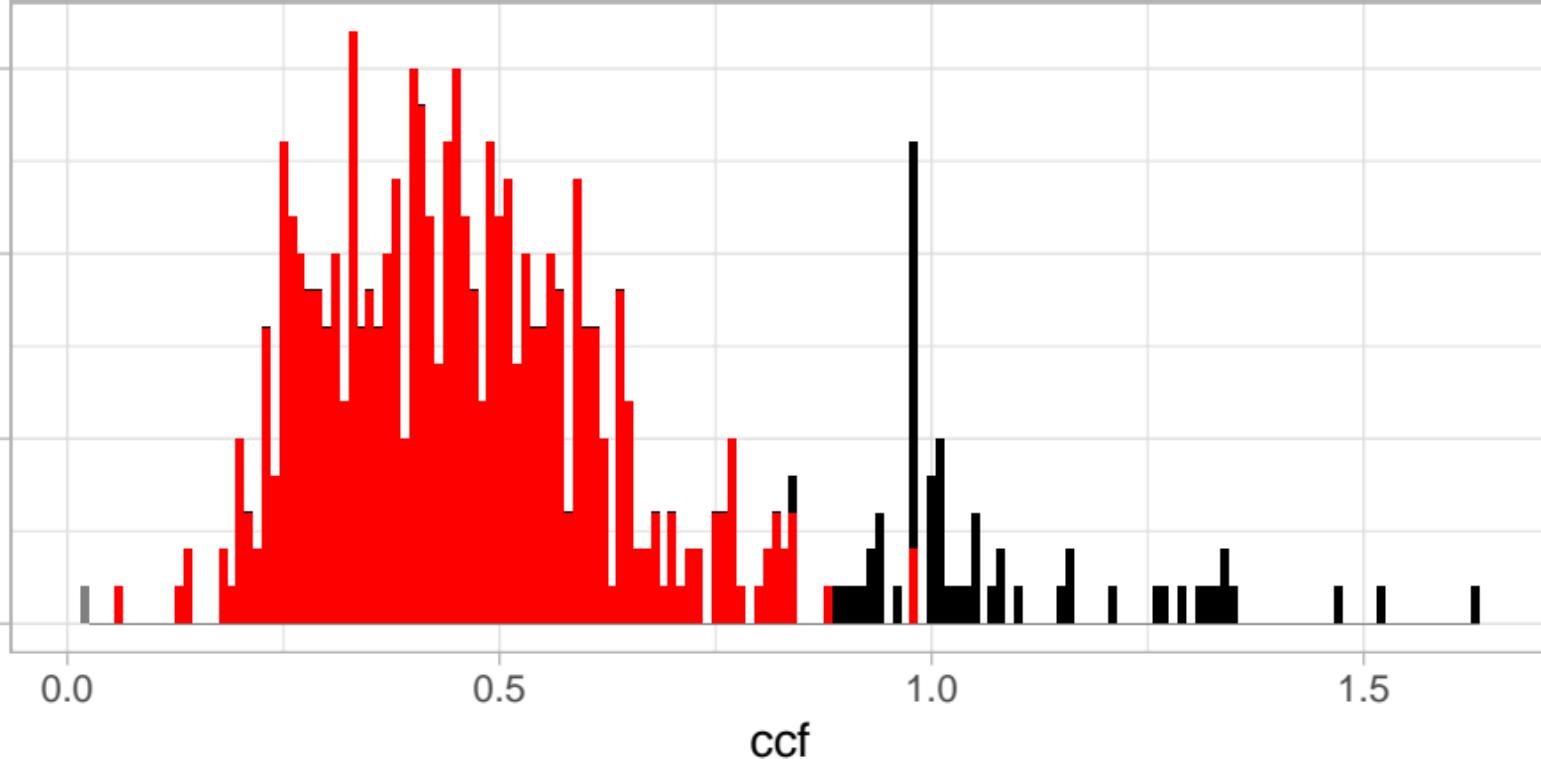
count

15
10
5
0

0.0 1.0 1.5

ccf

cluster tail clonal subclonal



SA528866

count

200
100
0

0

1

2

ccf

cluster tail clonal subclonal

SA413574

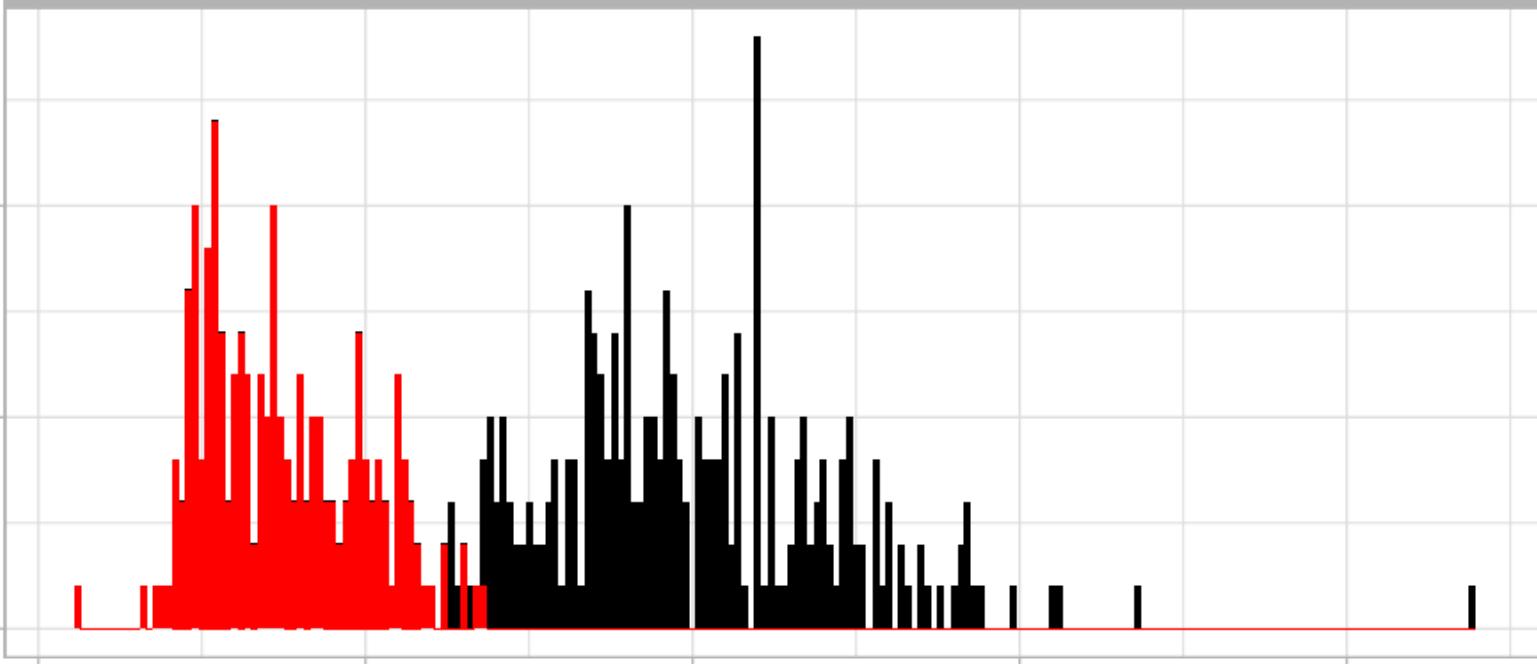
count

10
5
0

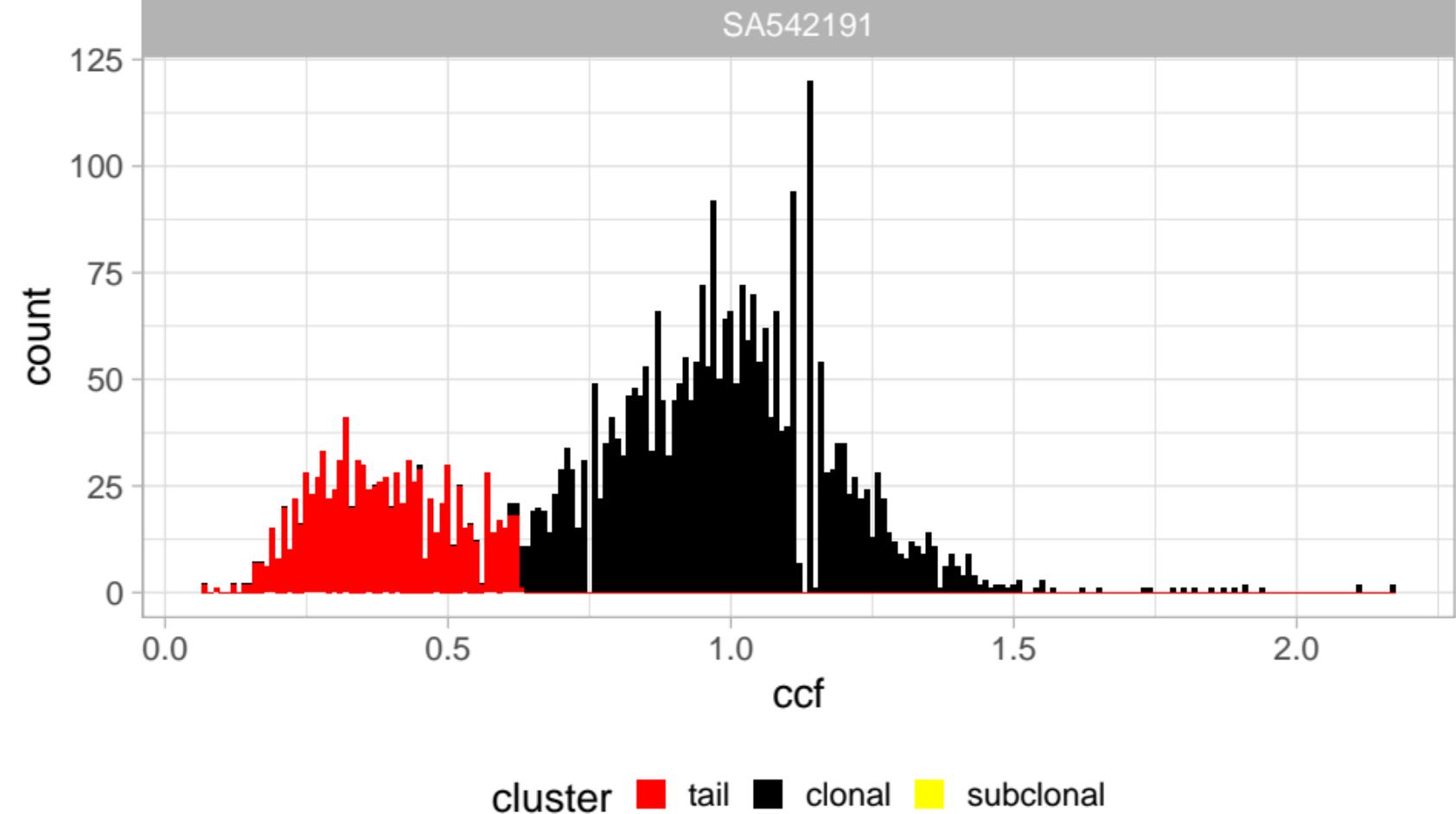
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542191



SA557529

count

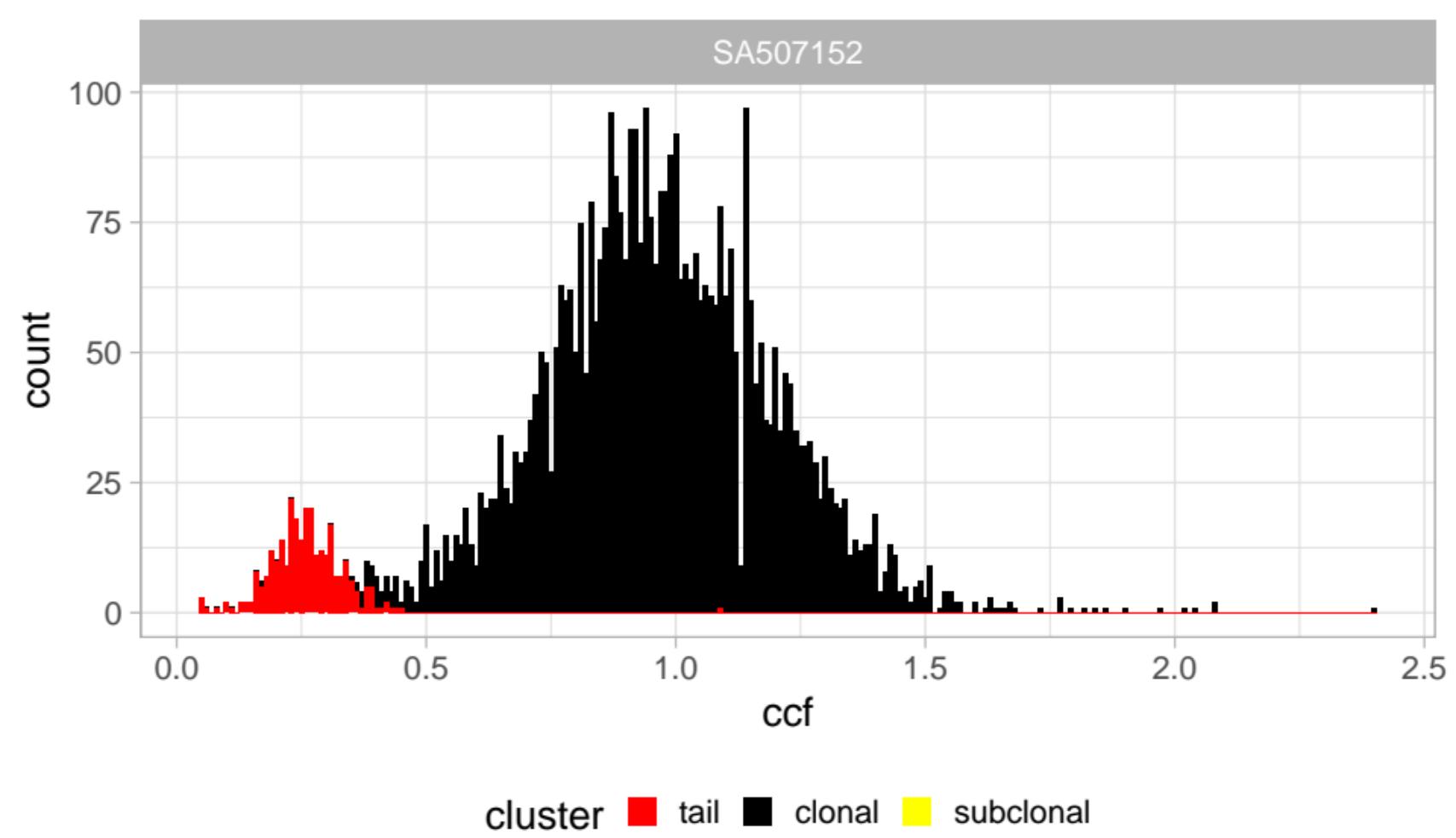
15000
10000
5000
0

0.0 0.5 1.0 1.5 2.0

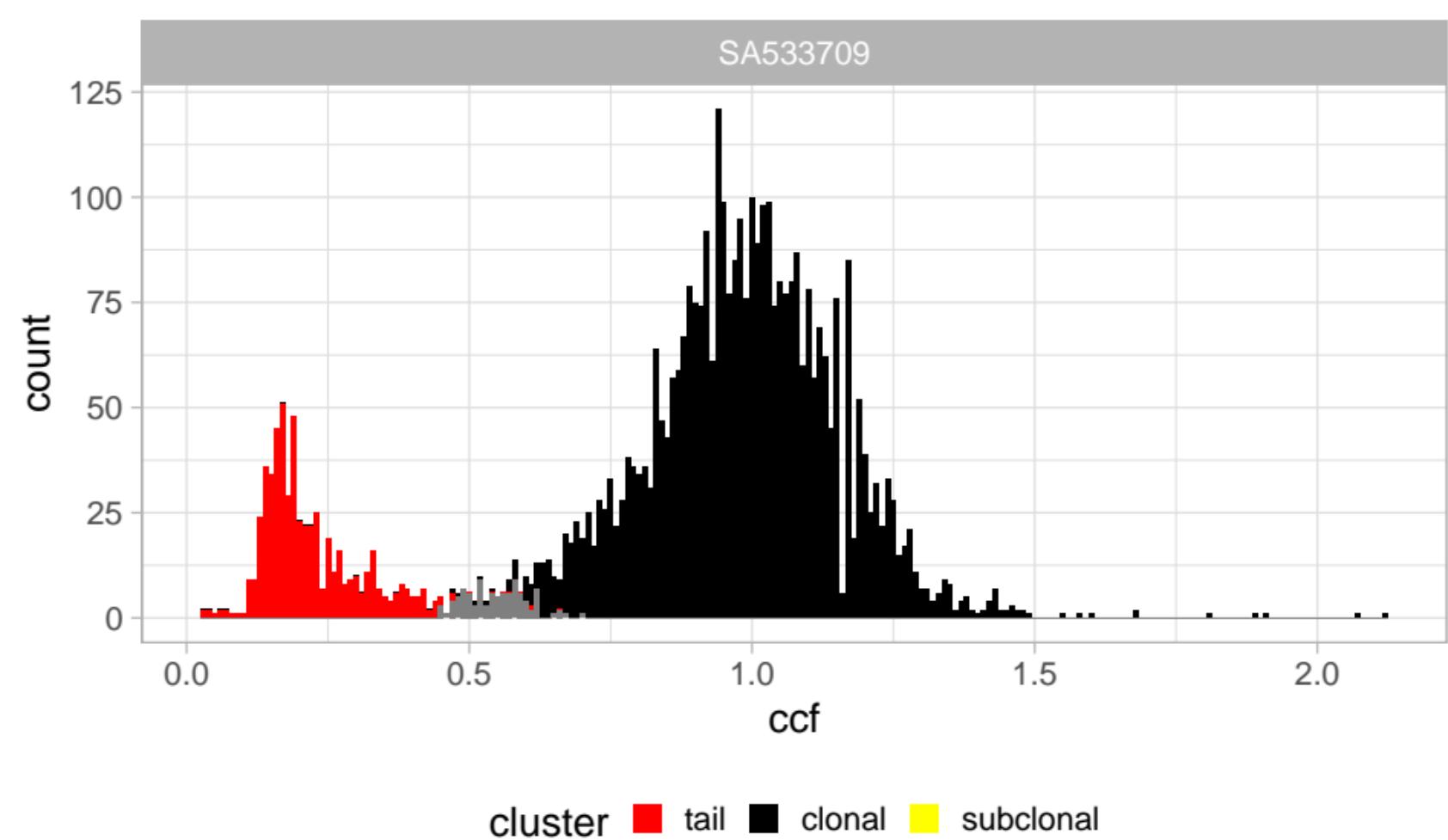
ccf

cluster tail clonal subclonal

SA507152



SA533709



SA528805

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA86314

count

40
20
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA570837

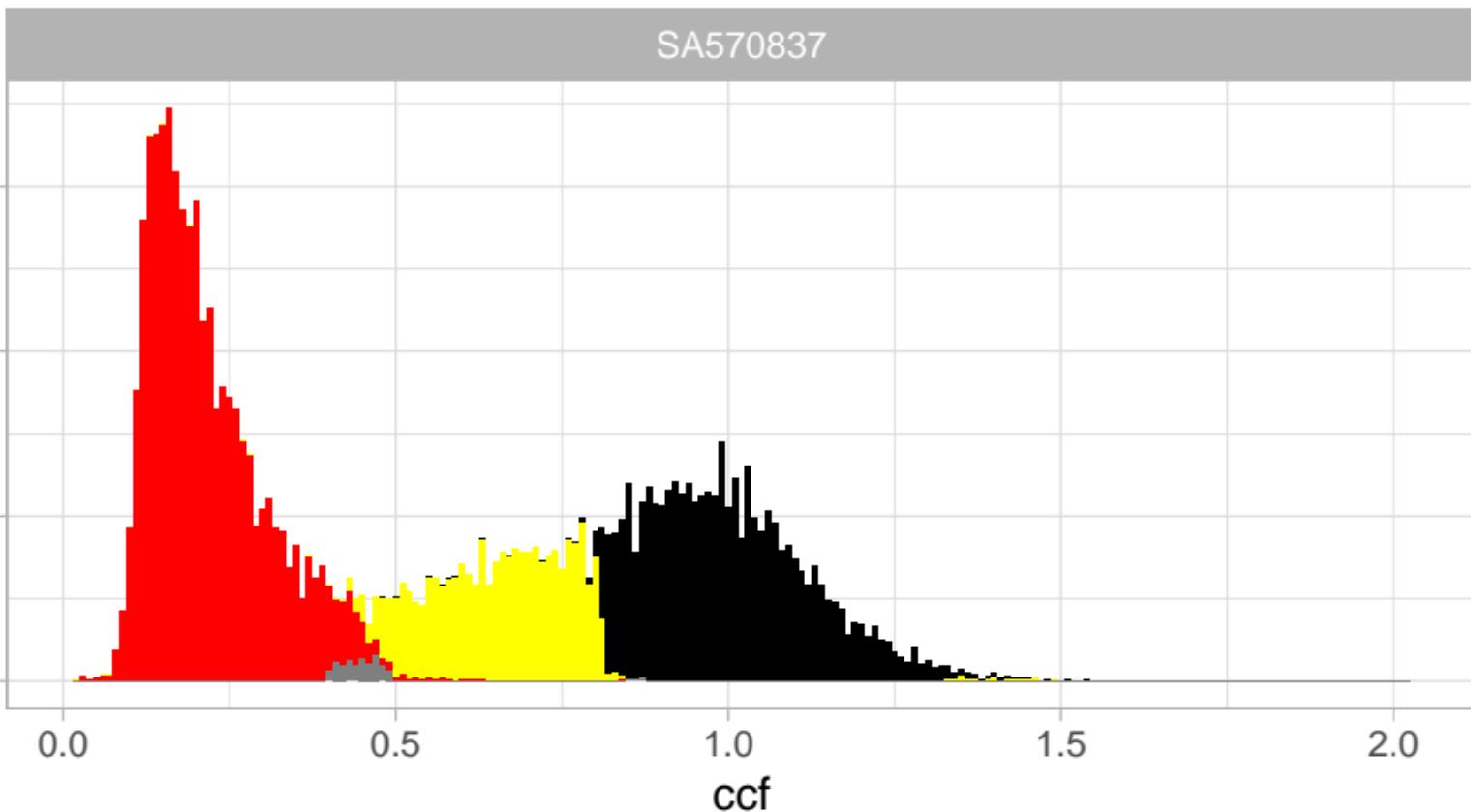
count

600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413746

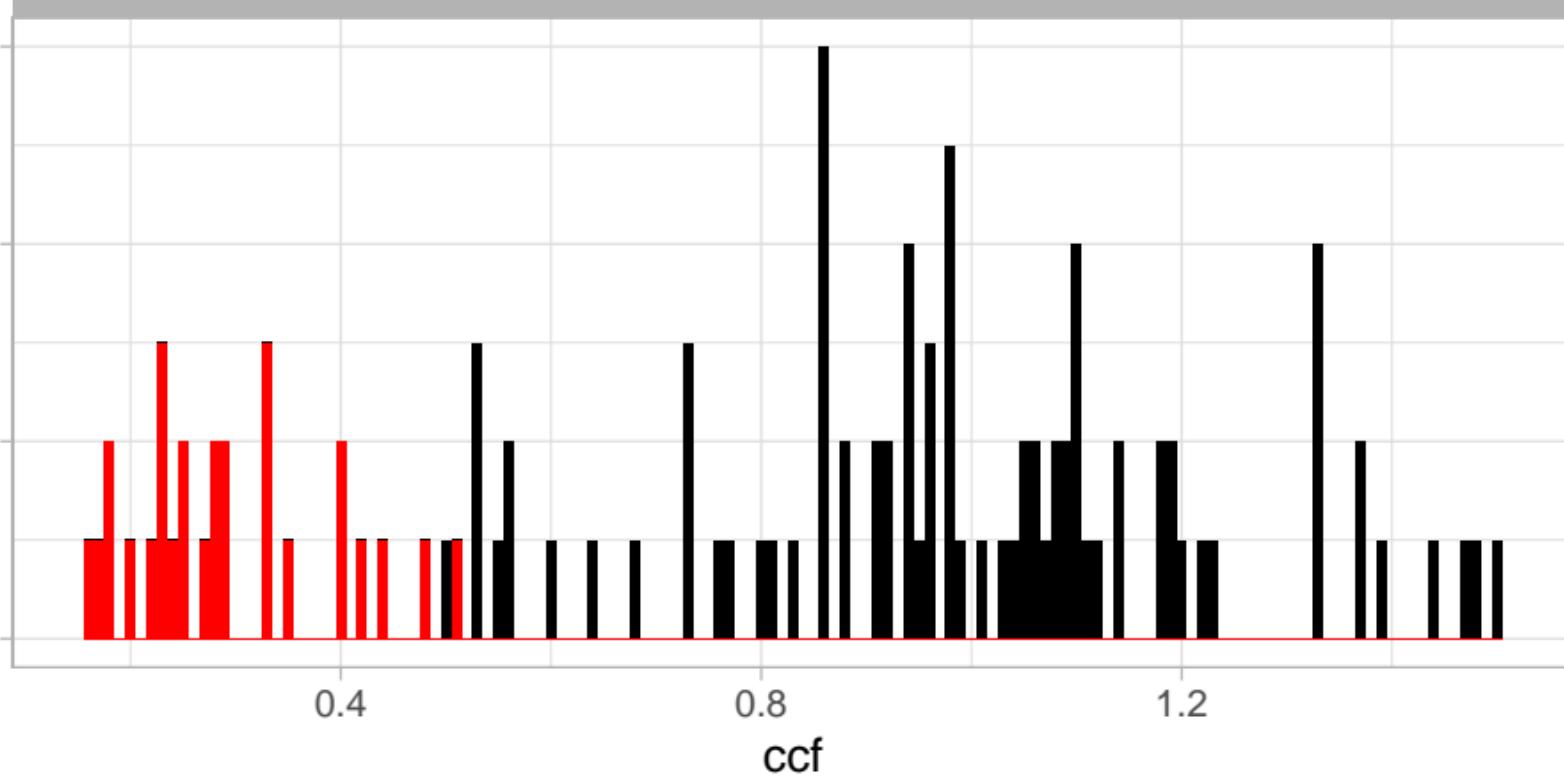
count

6
4
2
0

0.4 0.8 1.2

ccf

cluster tail clonal subclonal



SA507381

count

150
100
50
0

0

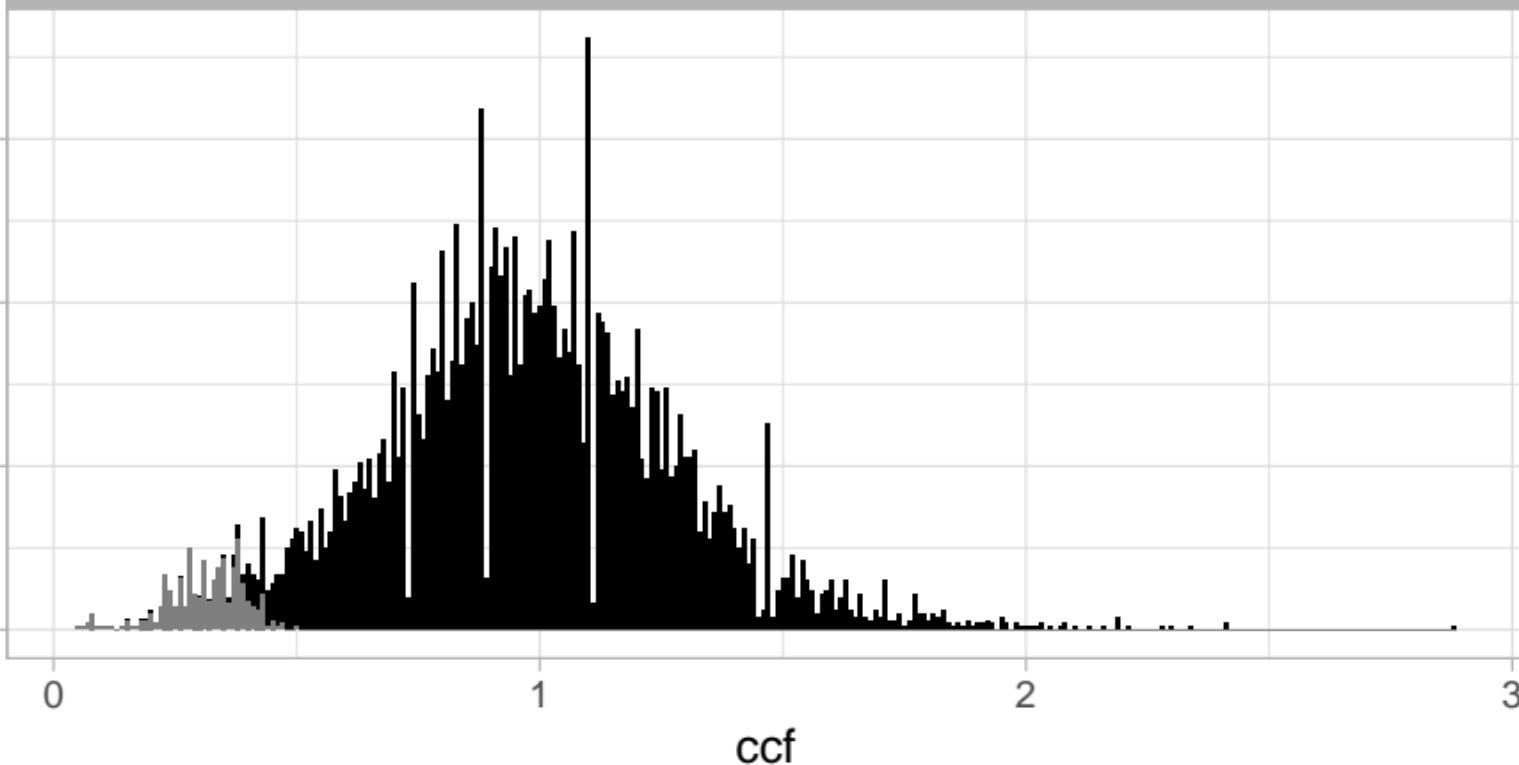
1

2

3

ccf

cluster tail clonal subclonal



SA570906

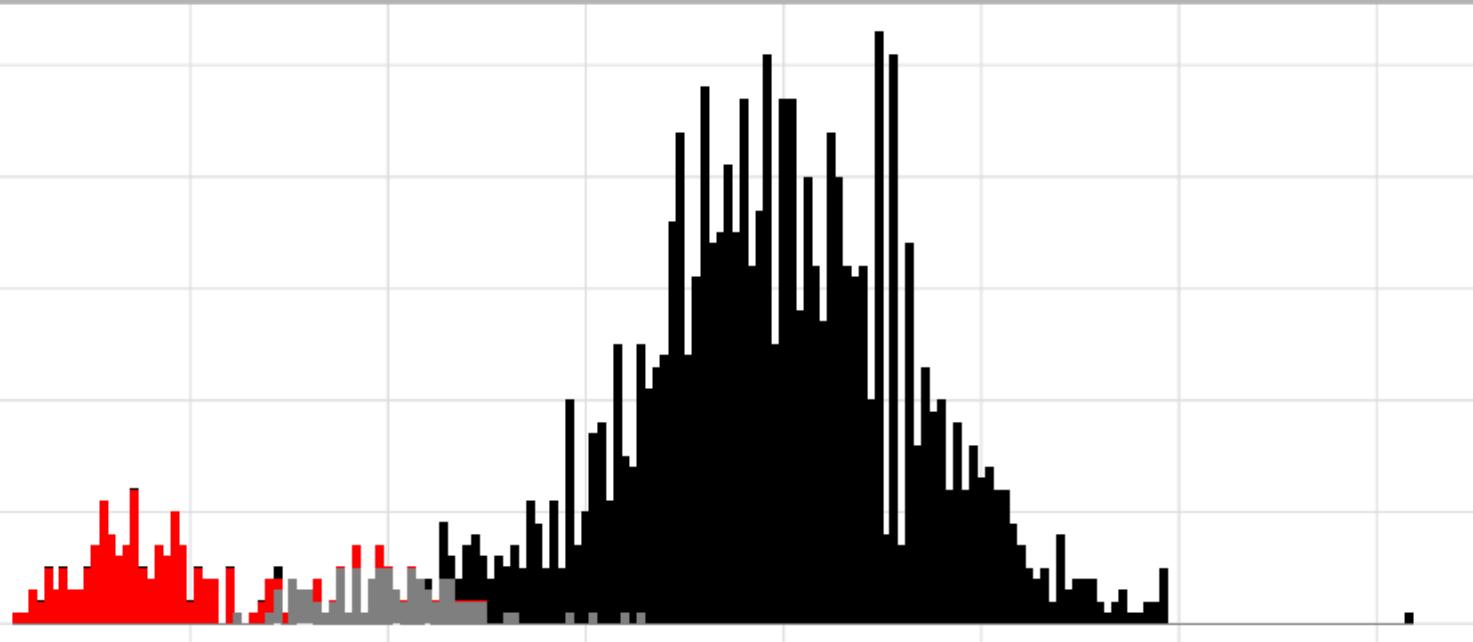
count

40
20
0

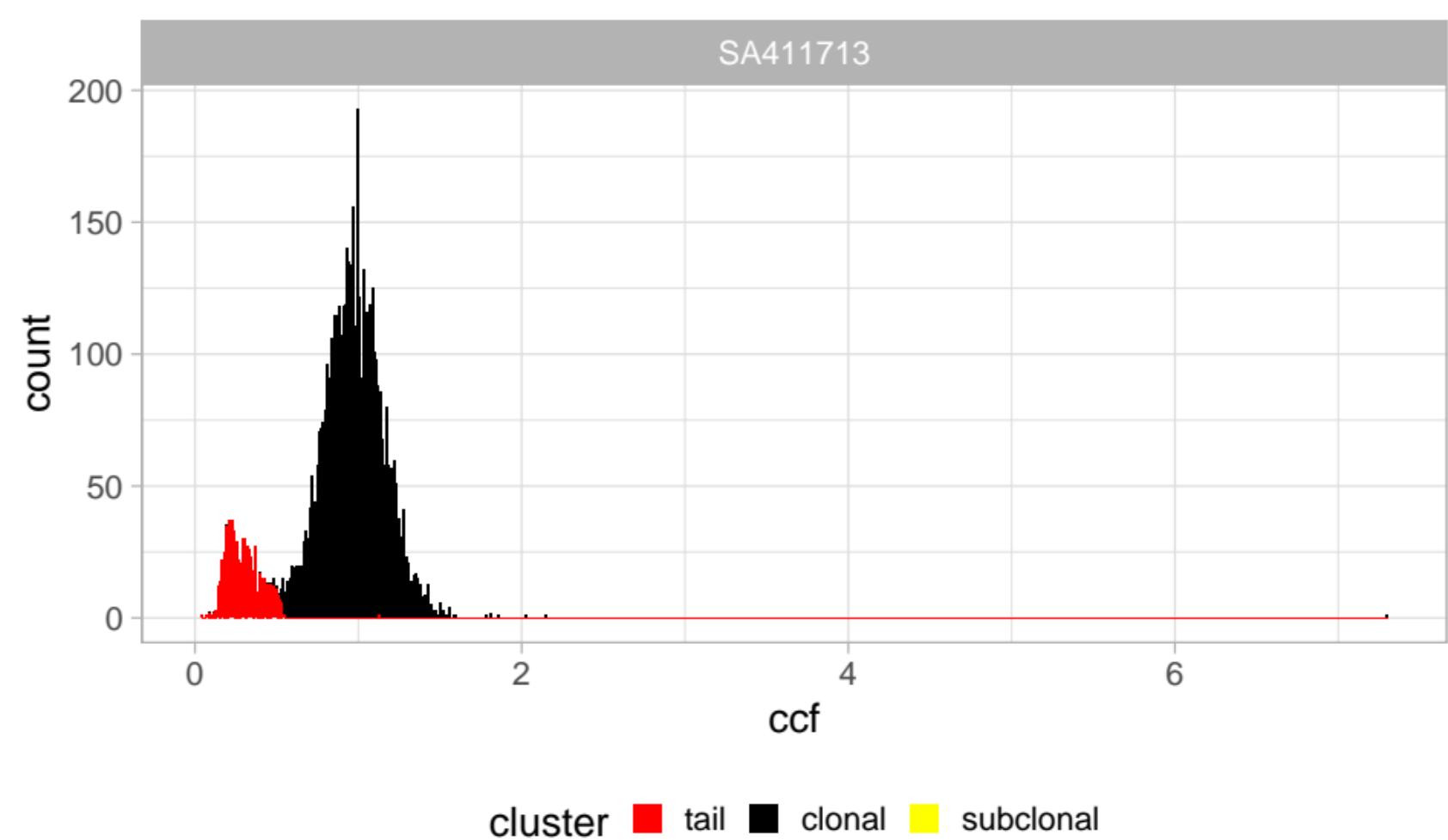
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA411713



SA270448

count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533665

count

75

50

25

0

0.0

0.5

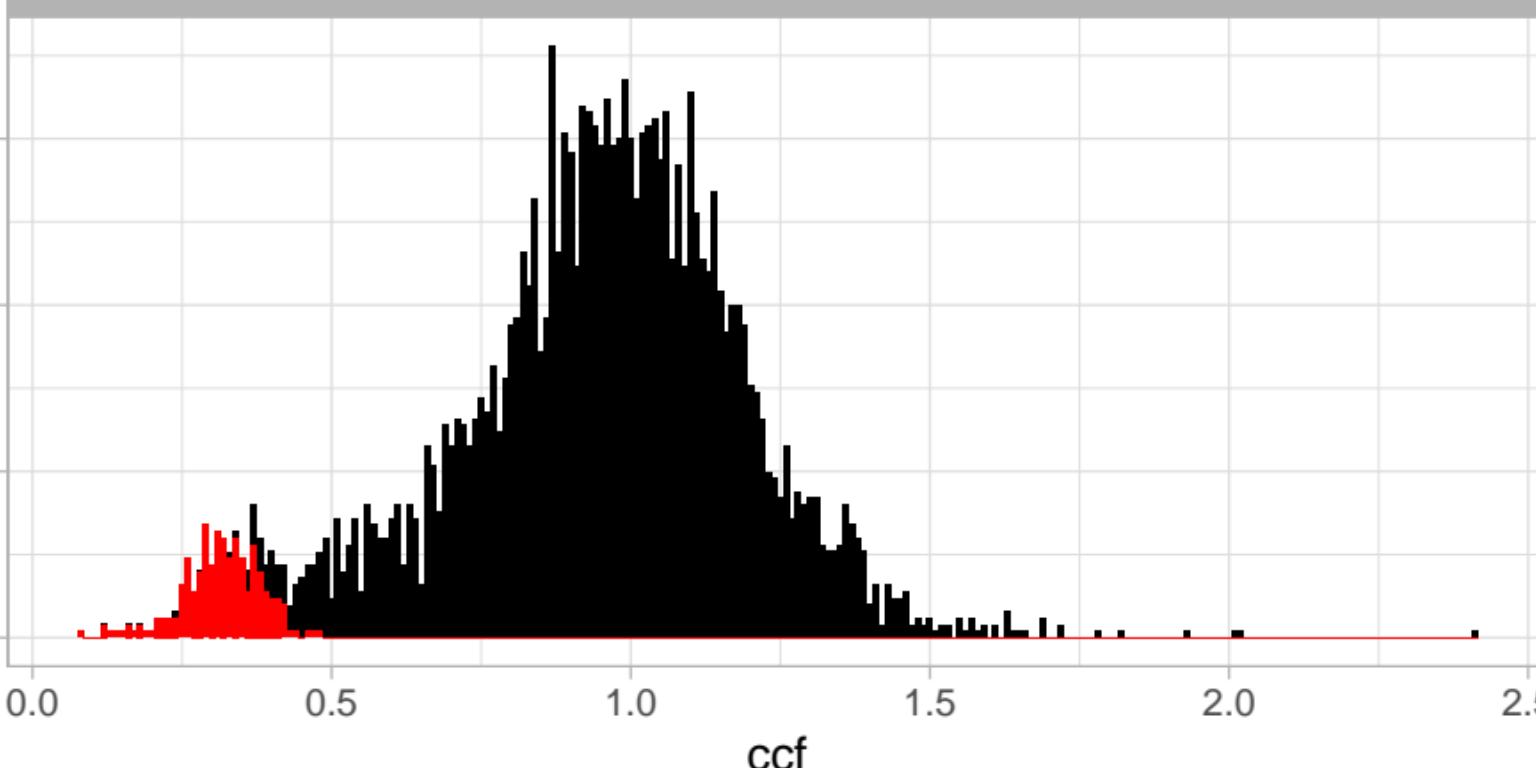
1.5

2.0

2.5

ccf

cluster tail clonal subclonal



SA86119

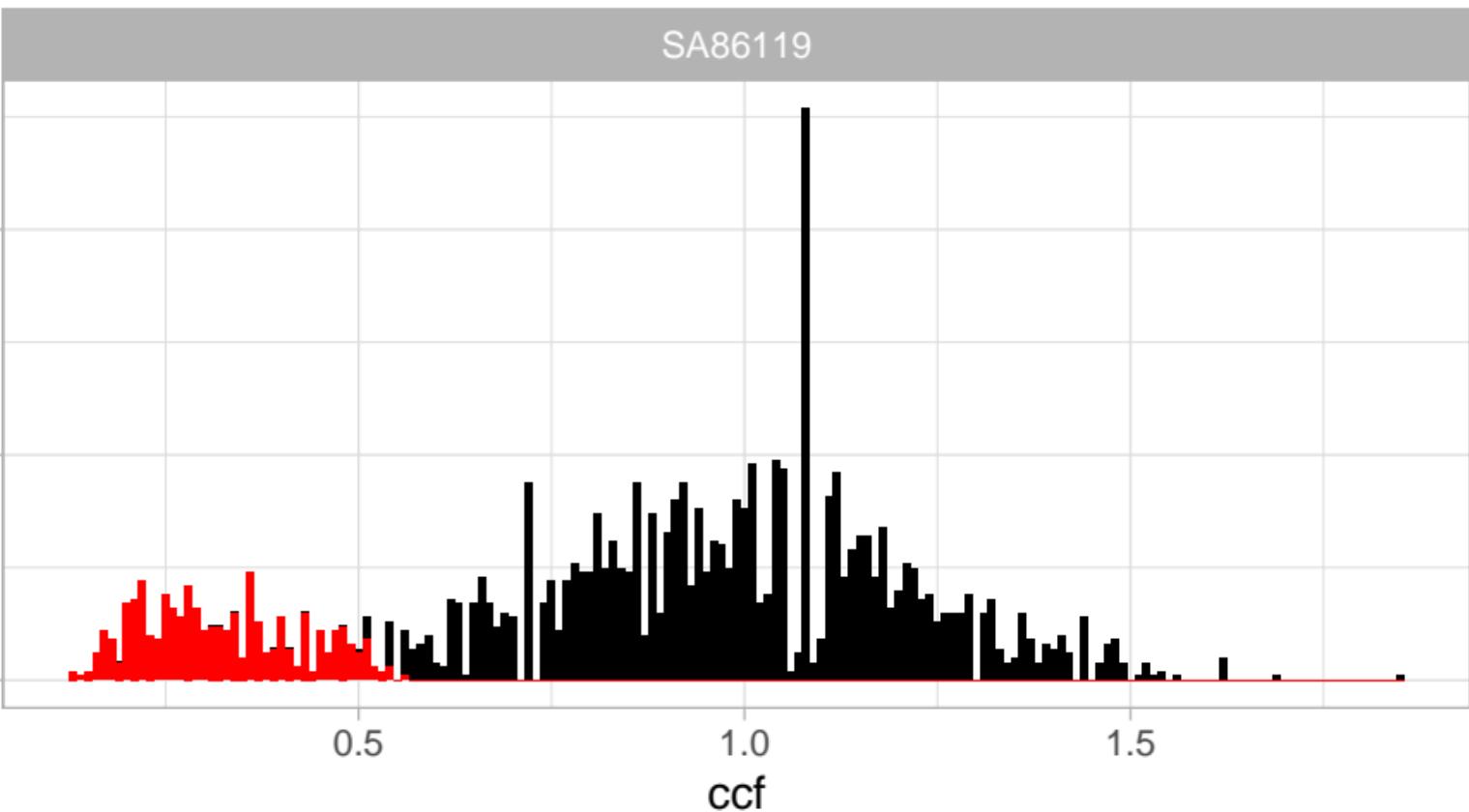
count

100
50
0

0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413518

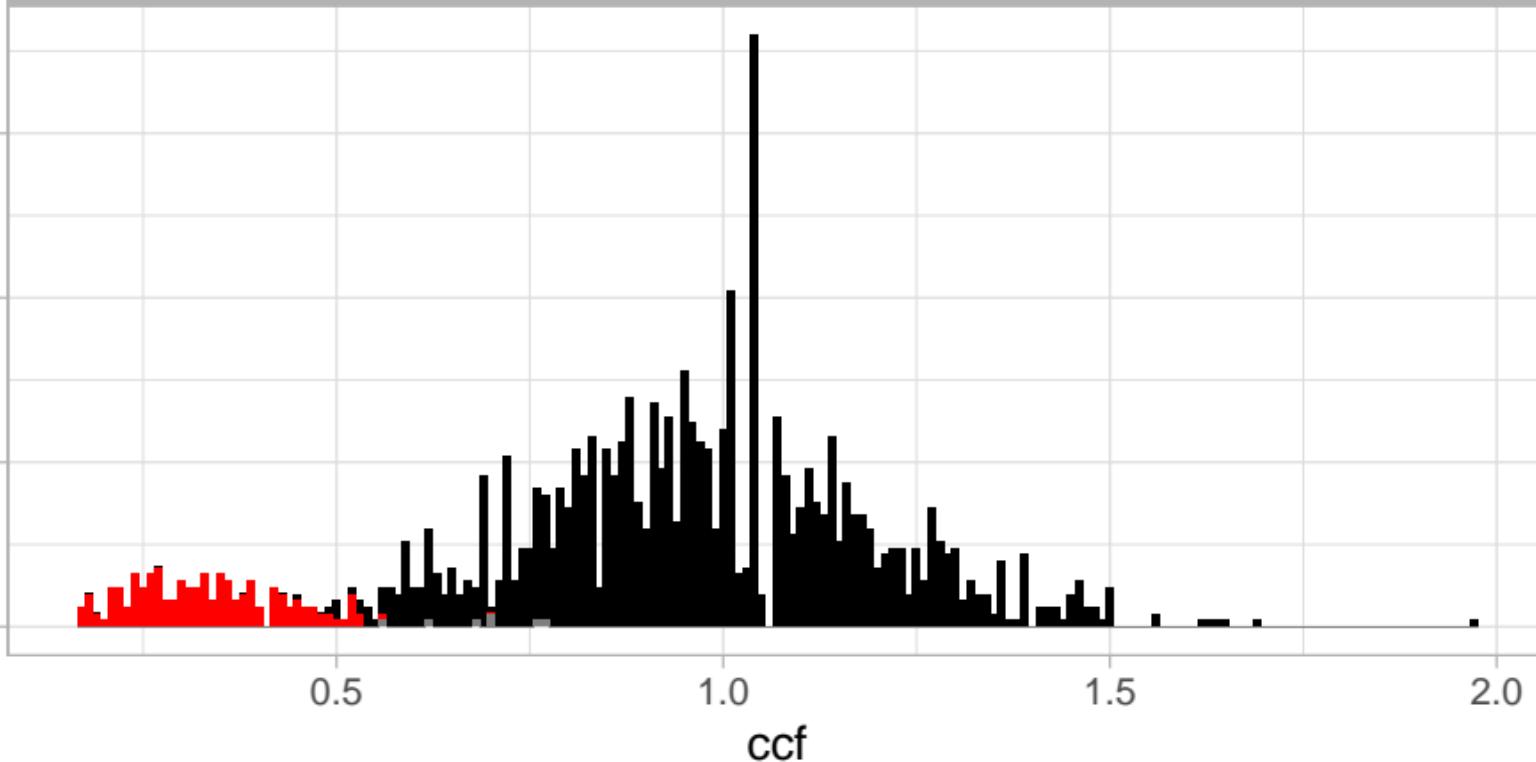
count

75
50
25
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA557437

count

6000

4000

2000

0

0.0

0.5

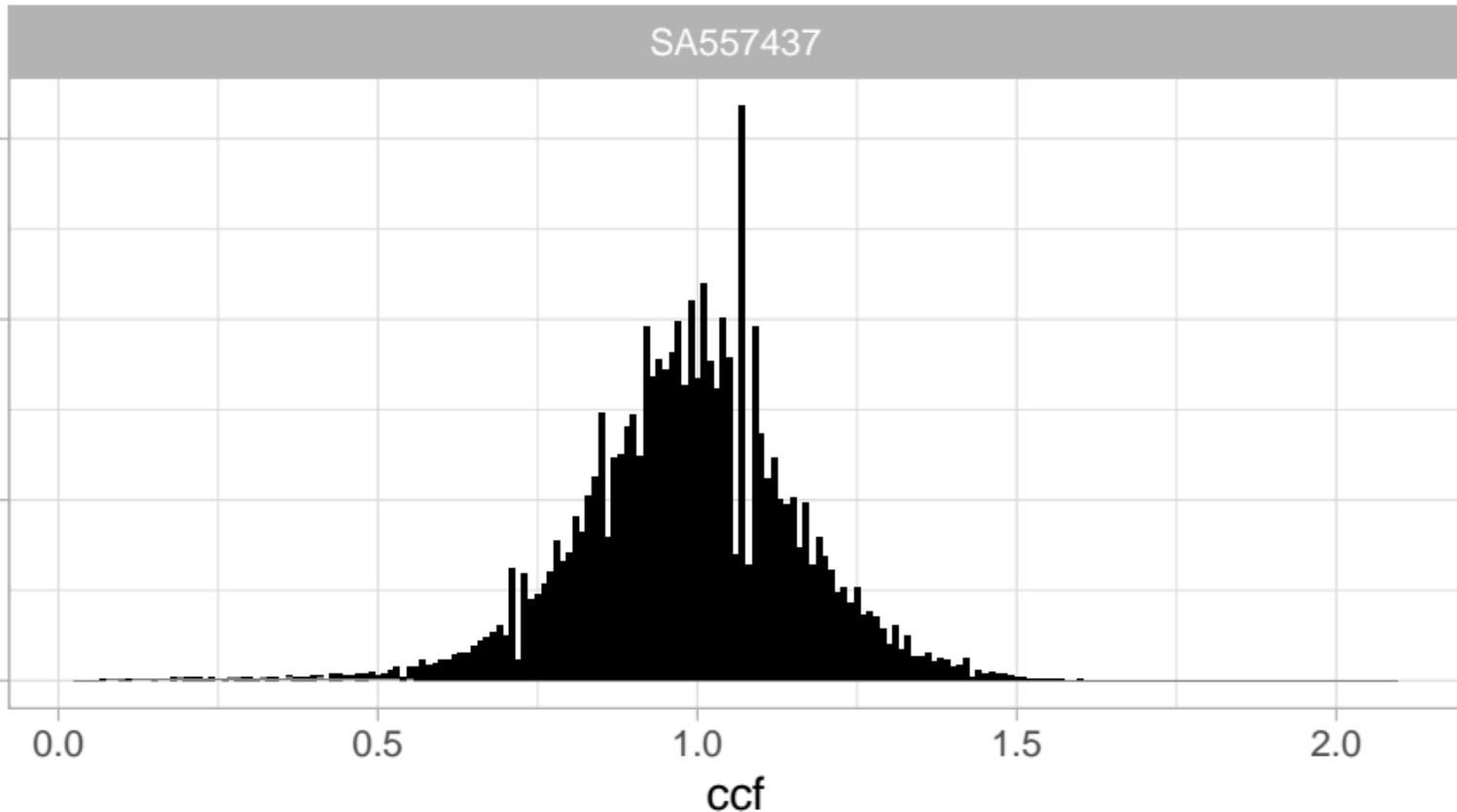
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA543349

count

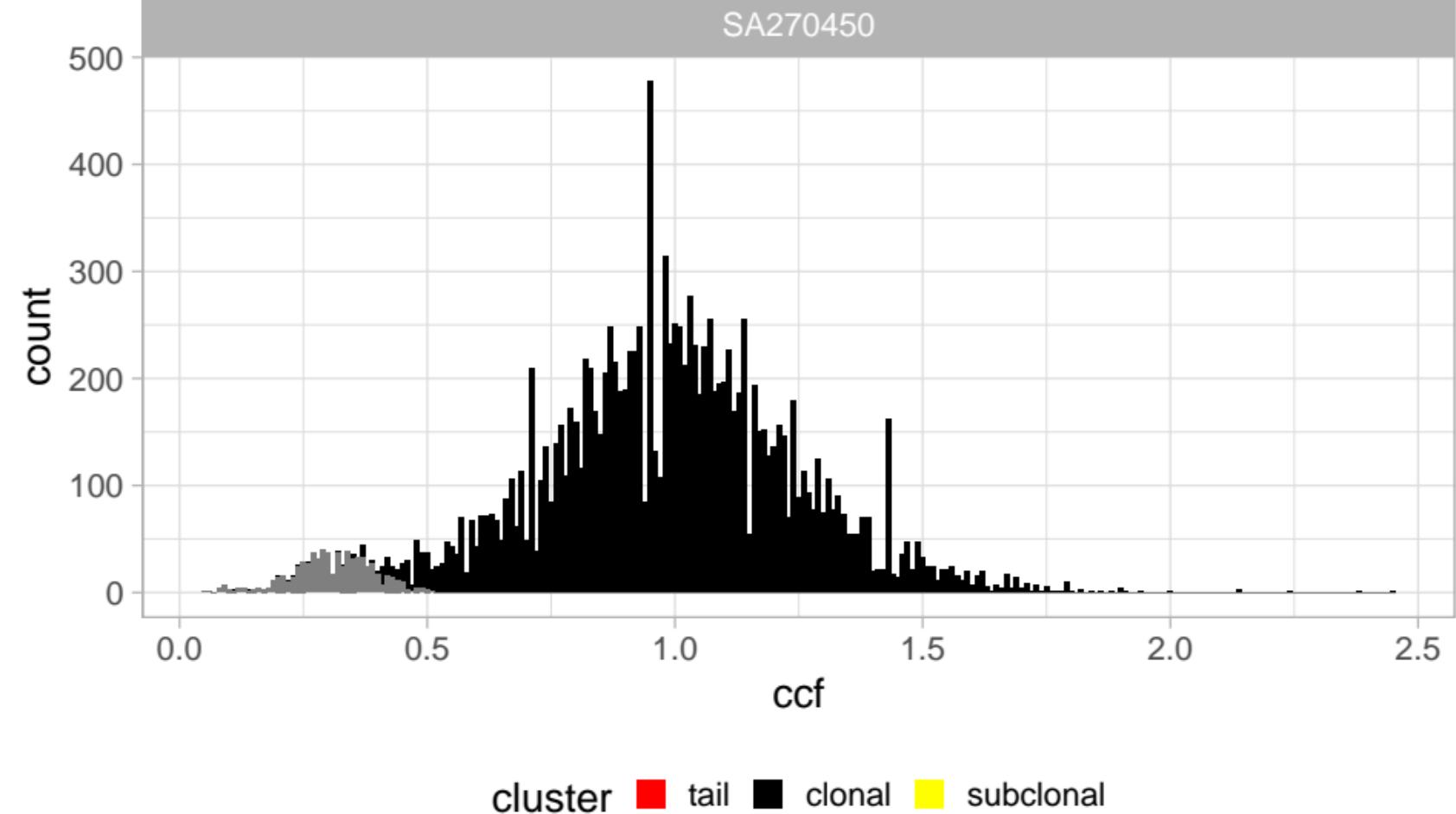
400
300
200
100
0

0 1 2 3

ccf

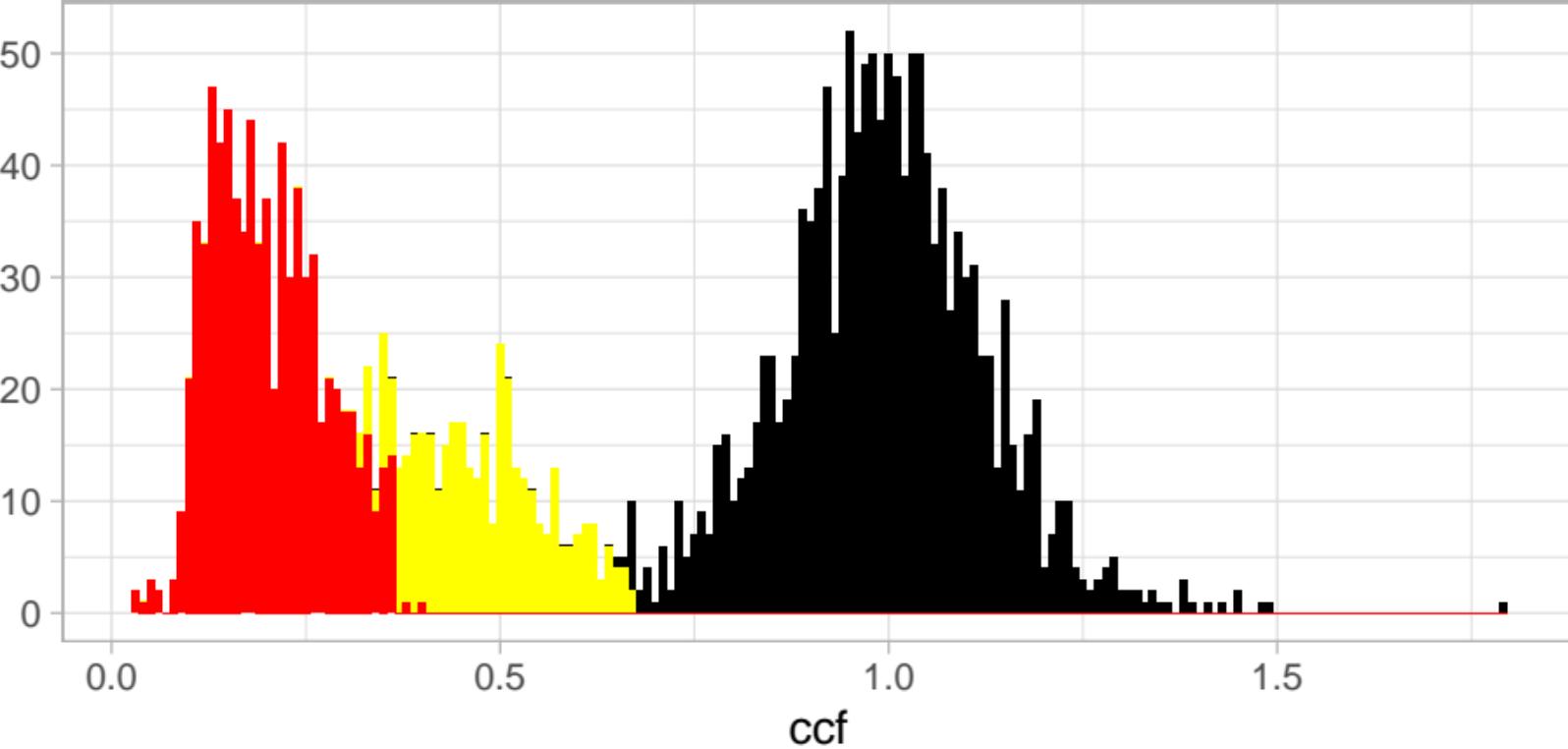
cluster tail clonal subclonal

SA270450



SA570870

count



cluster tail clonal subclonal

SA505282

count

150
100
50
0

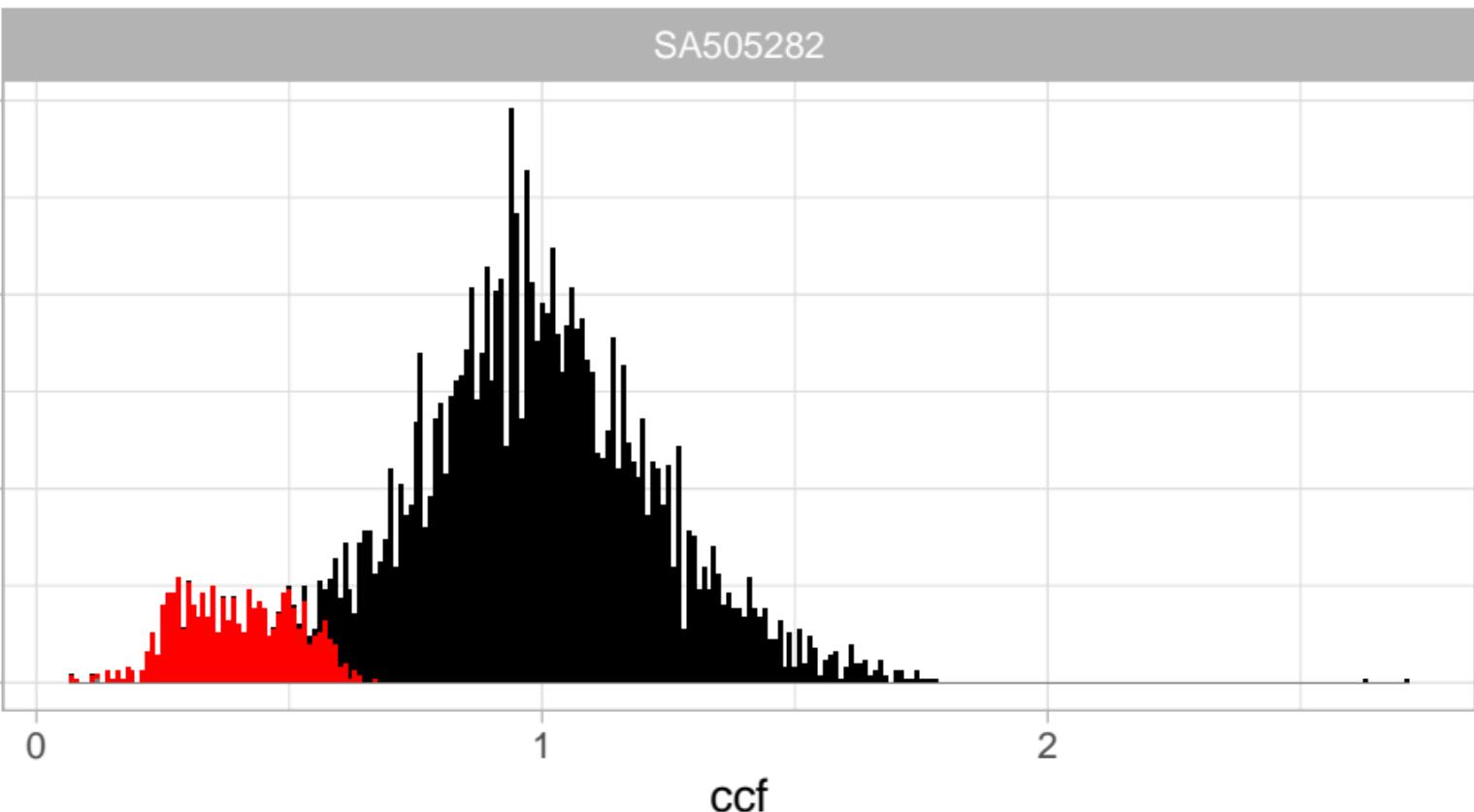
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA558655

count

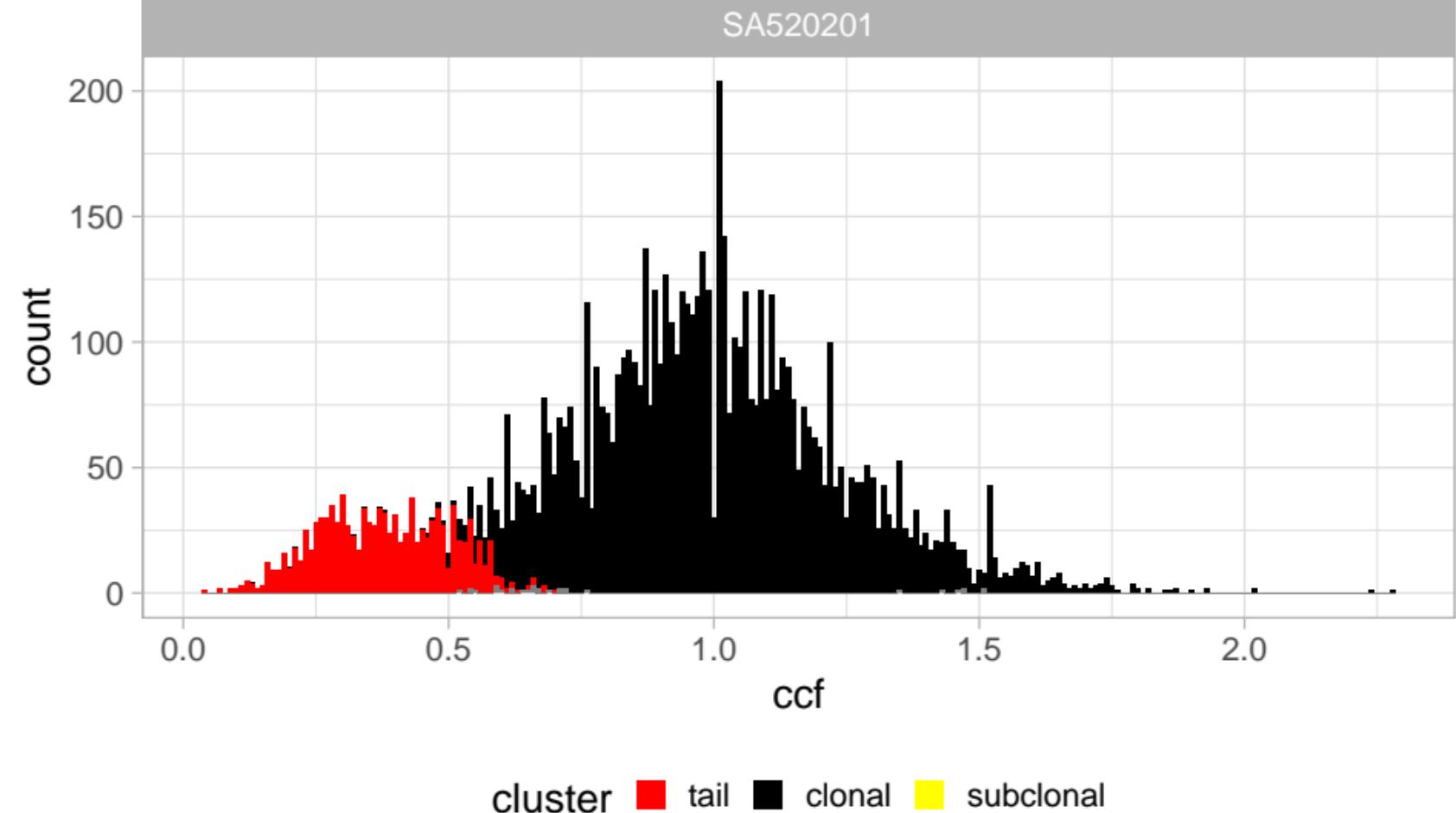
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

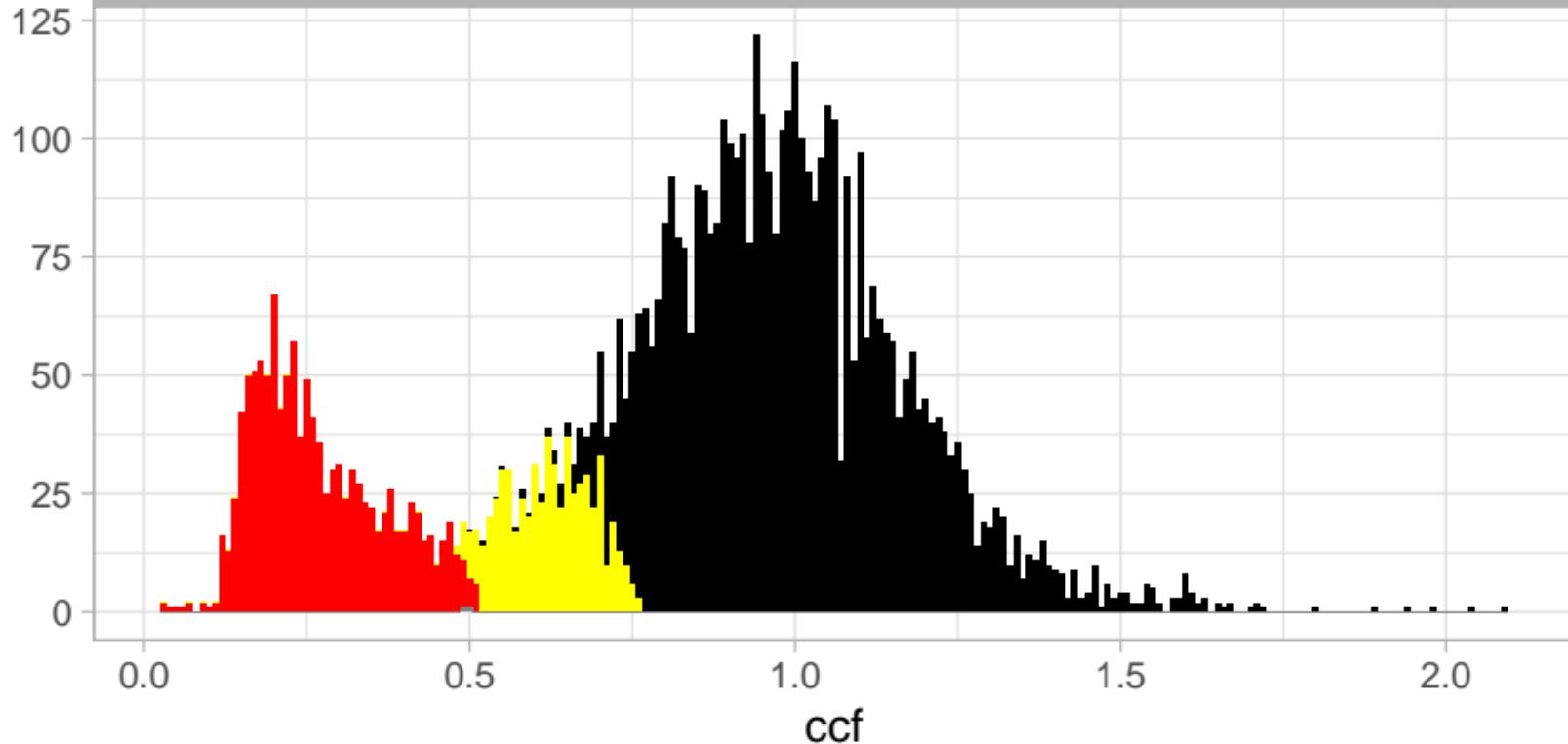
cluster tail clonal subclonal

SA520201



SA543056

count



cluster ■ tail ■ clonal ■ subclonal

SA413676

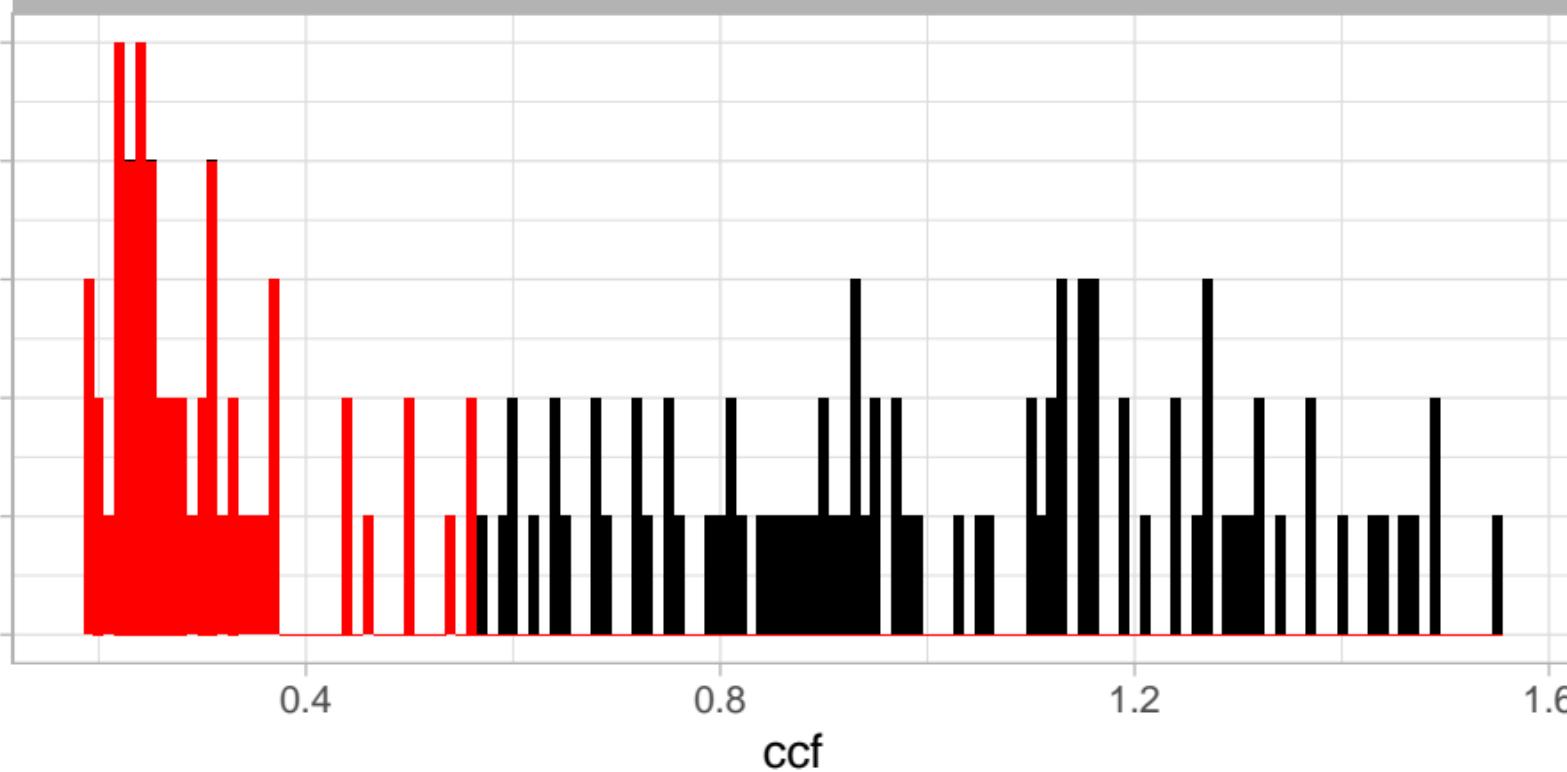
count

5
4
3
2
1
0

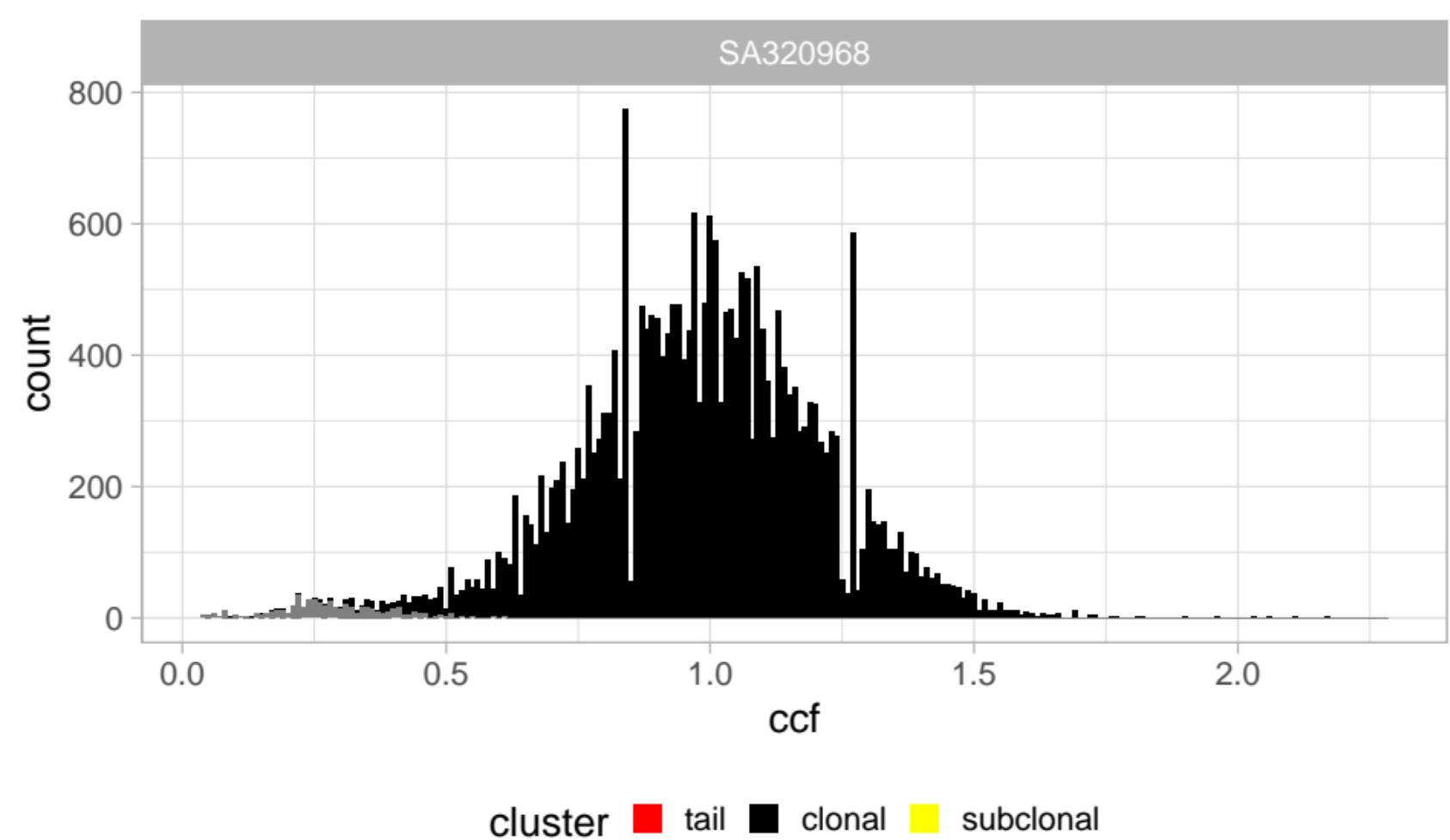
0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA320968



cluster tail clonal subclonal

SA501511

count

200

150

100

50

0

0.0

0.5

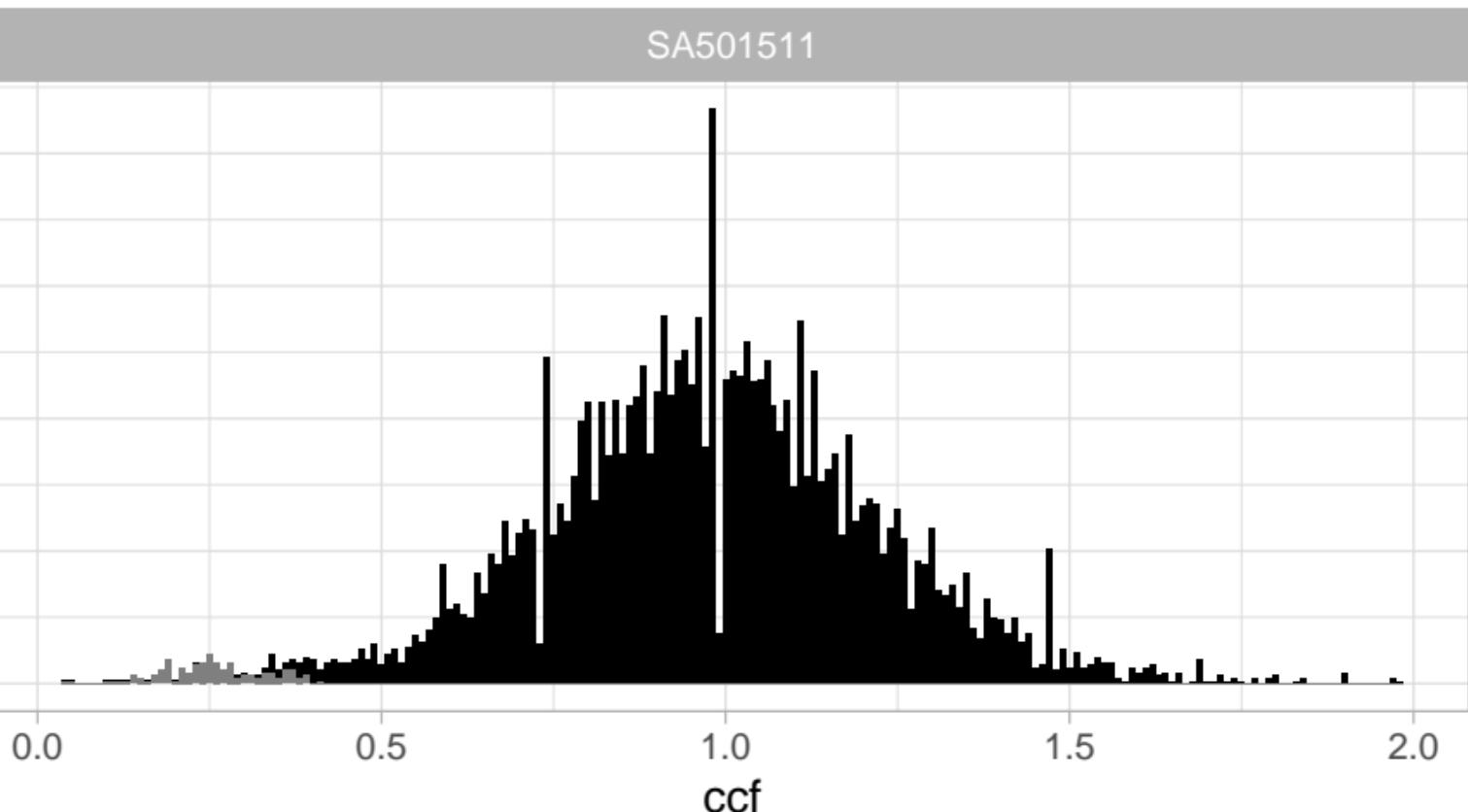
1.0

1.5

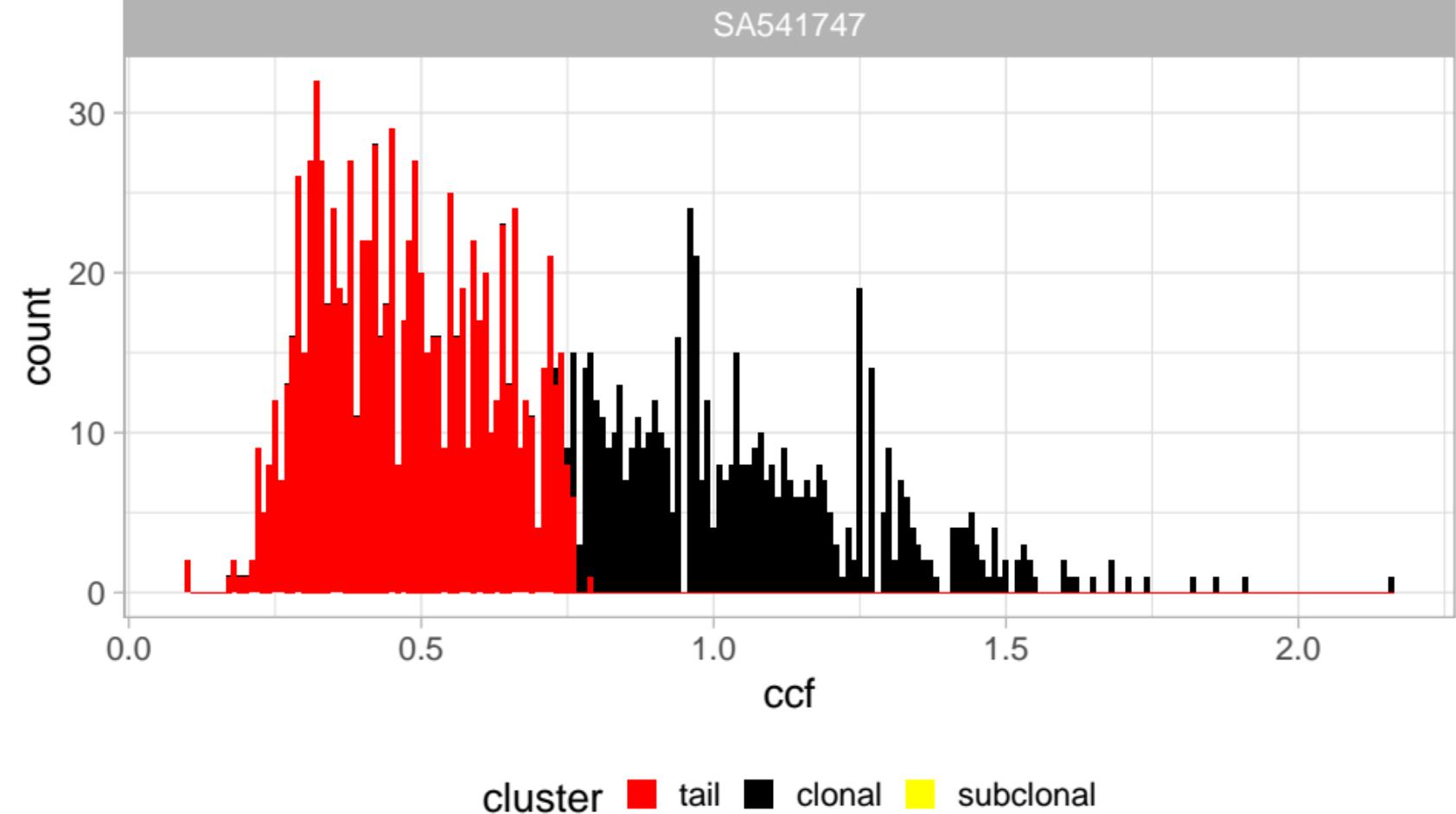
2.0

ccf

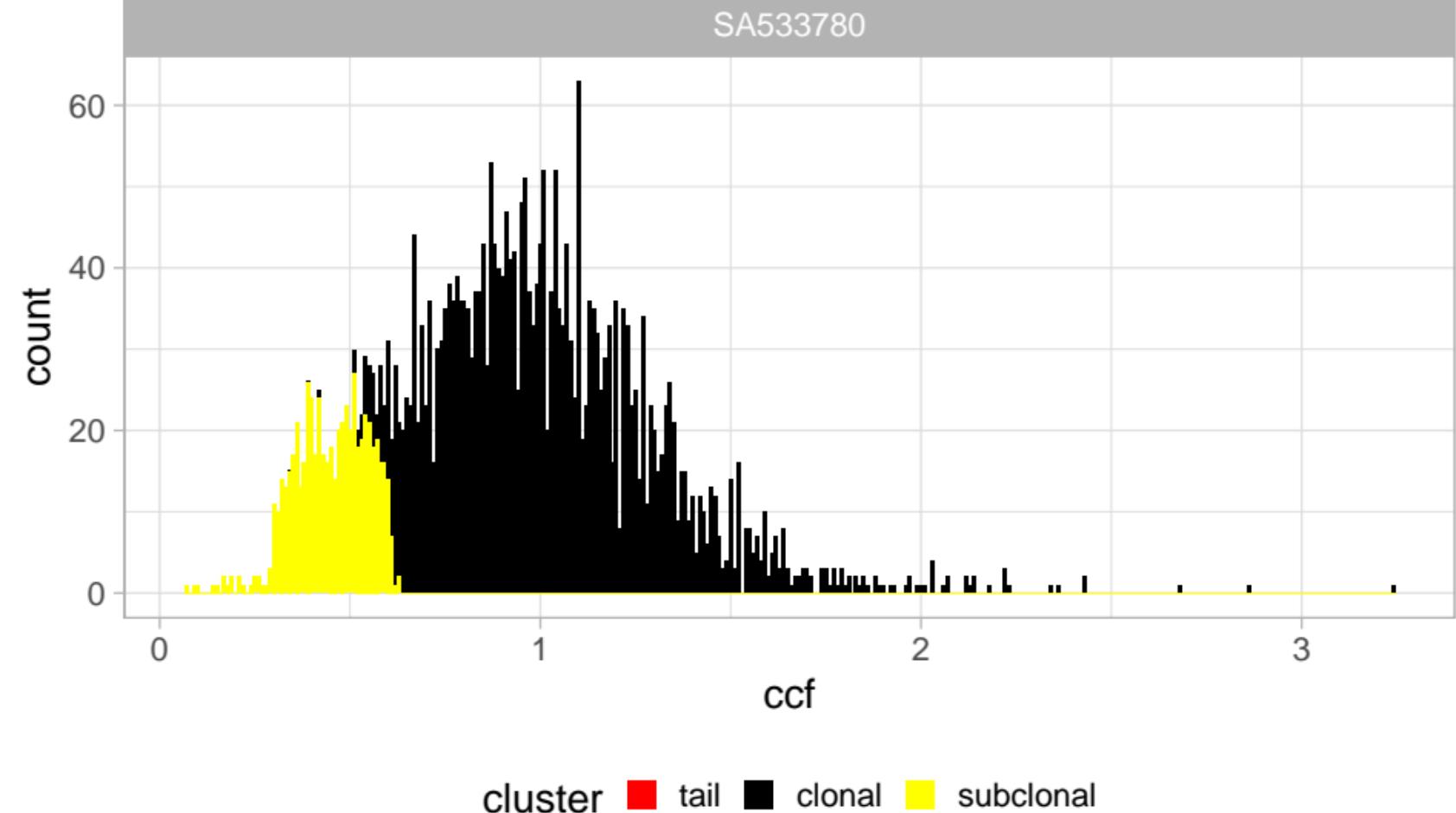
cluster tail clonal subclonal



SA541747



SA533780



cluster ■ tail ■ clonal ■ subclonal

SA505379

count

90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA533746

count

100

75

50

25

0

0.0

0.5

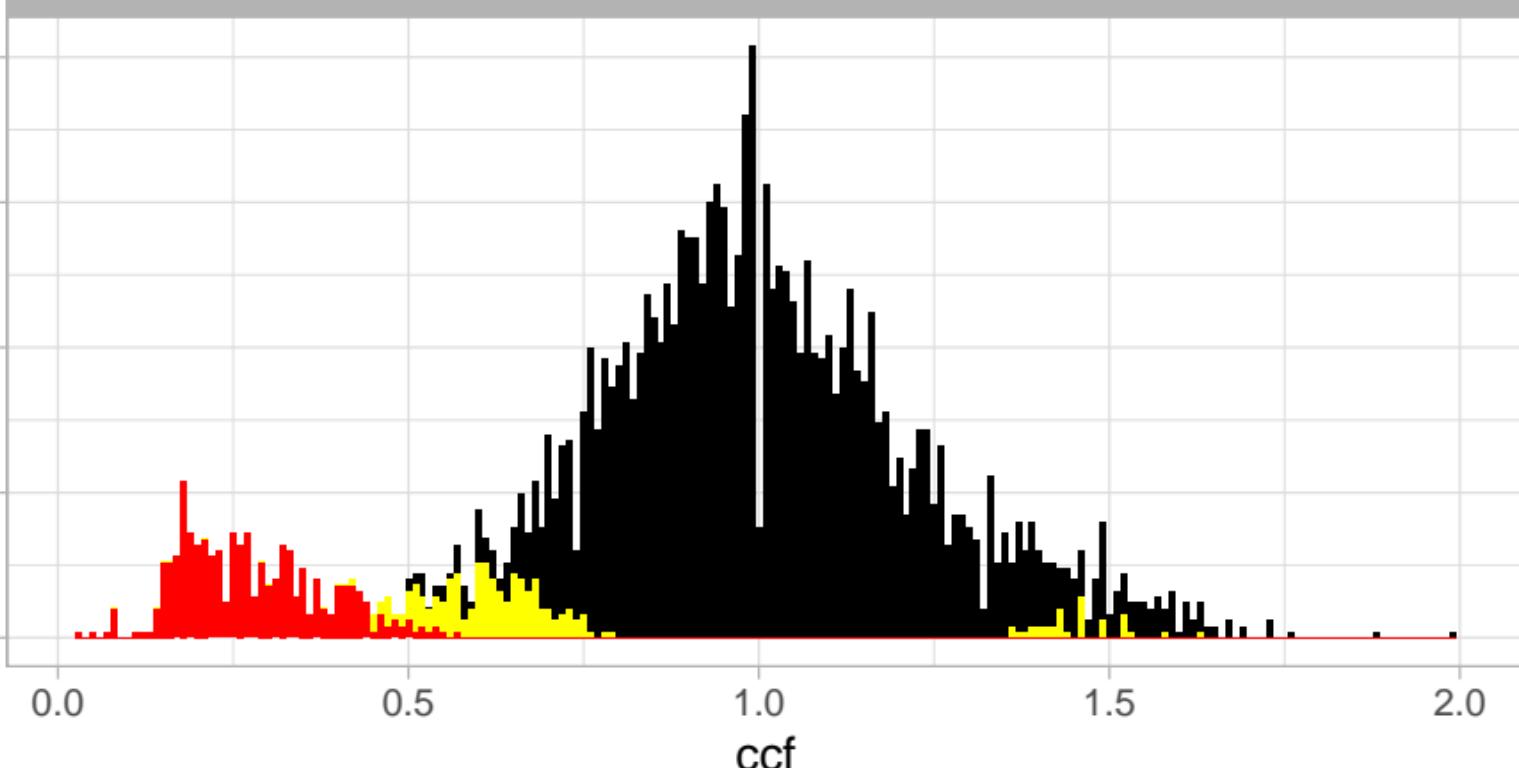
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA501515

count

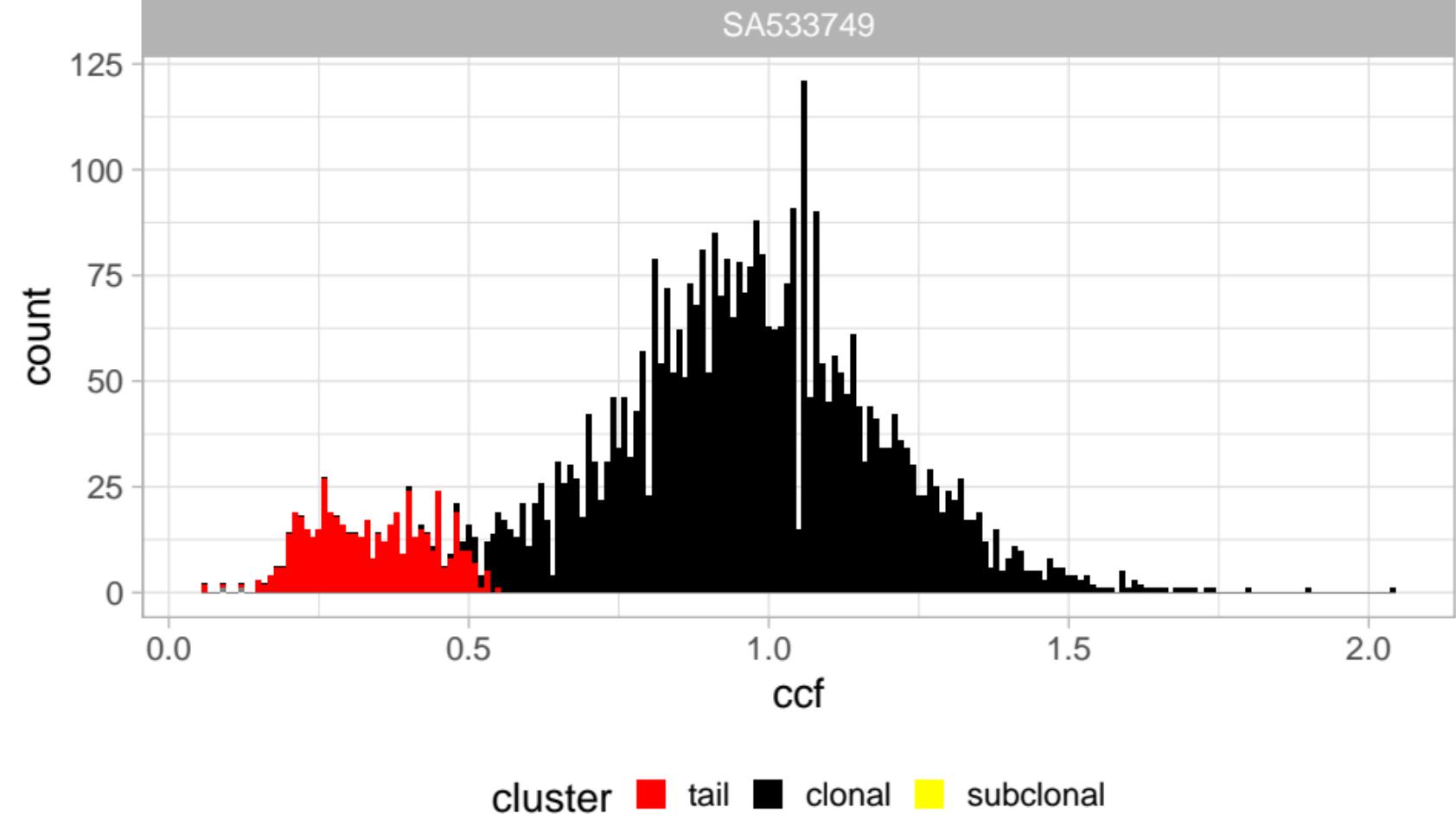
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533749



SA517378

count

100

50

0

0.0

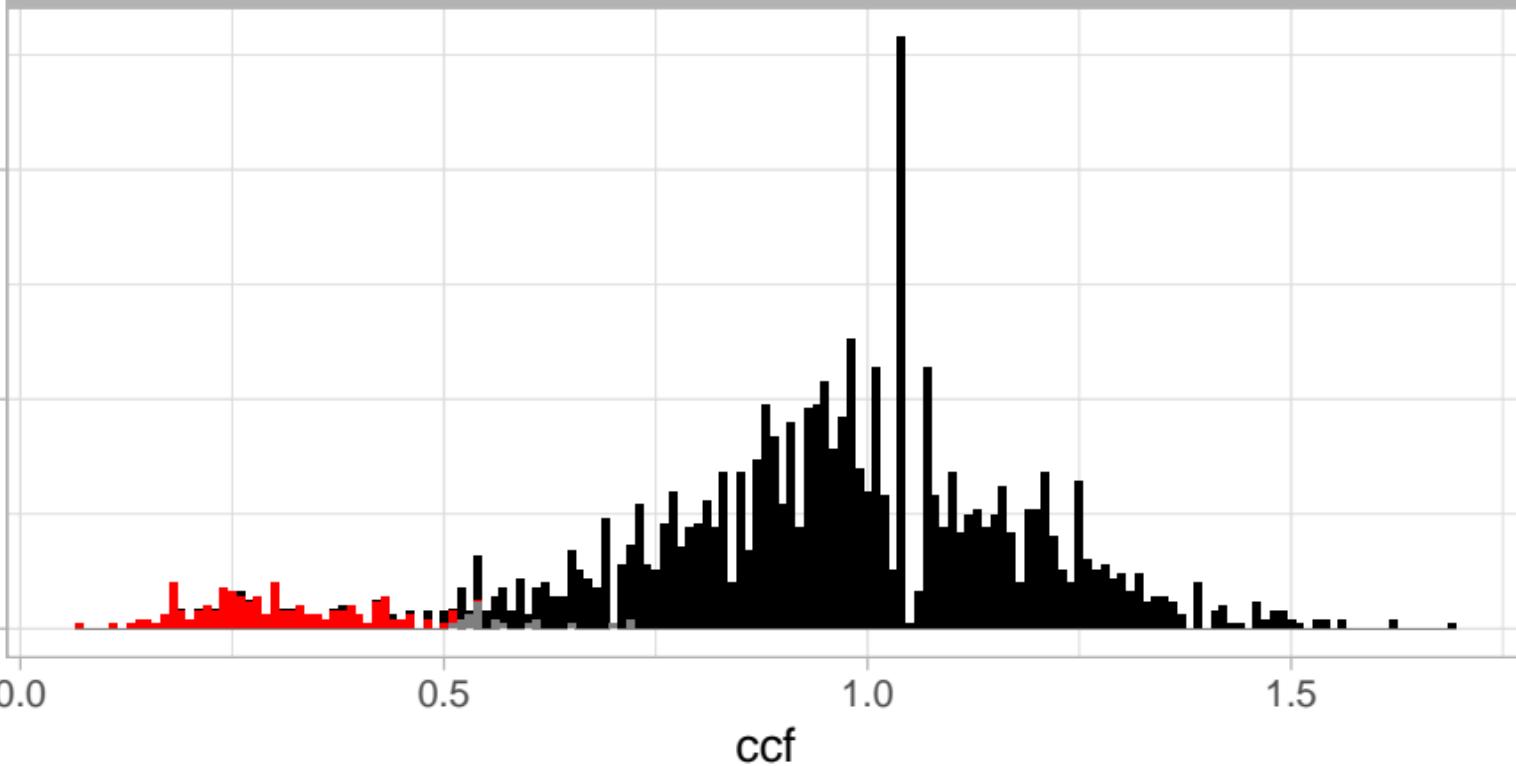
0.5

1.0

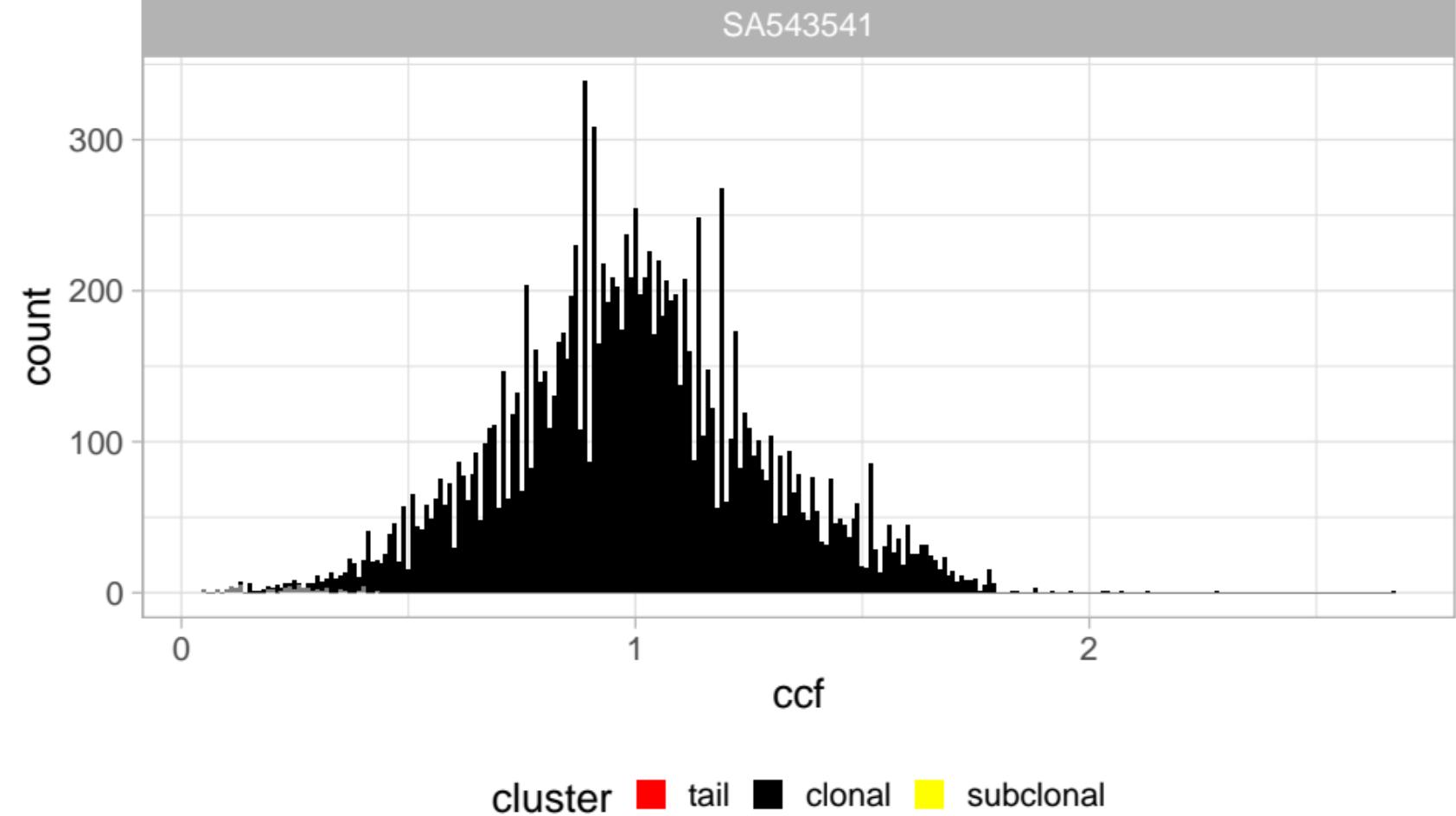
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal

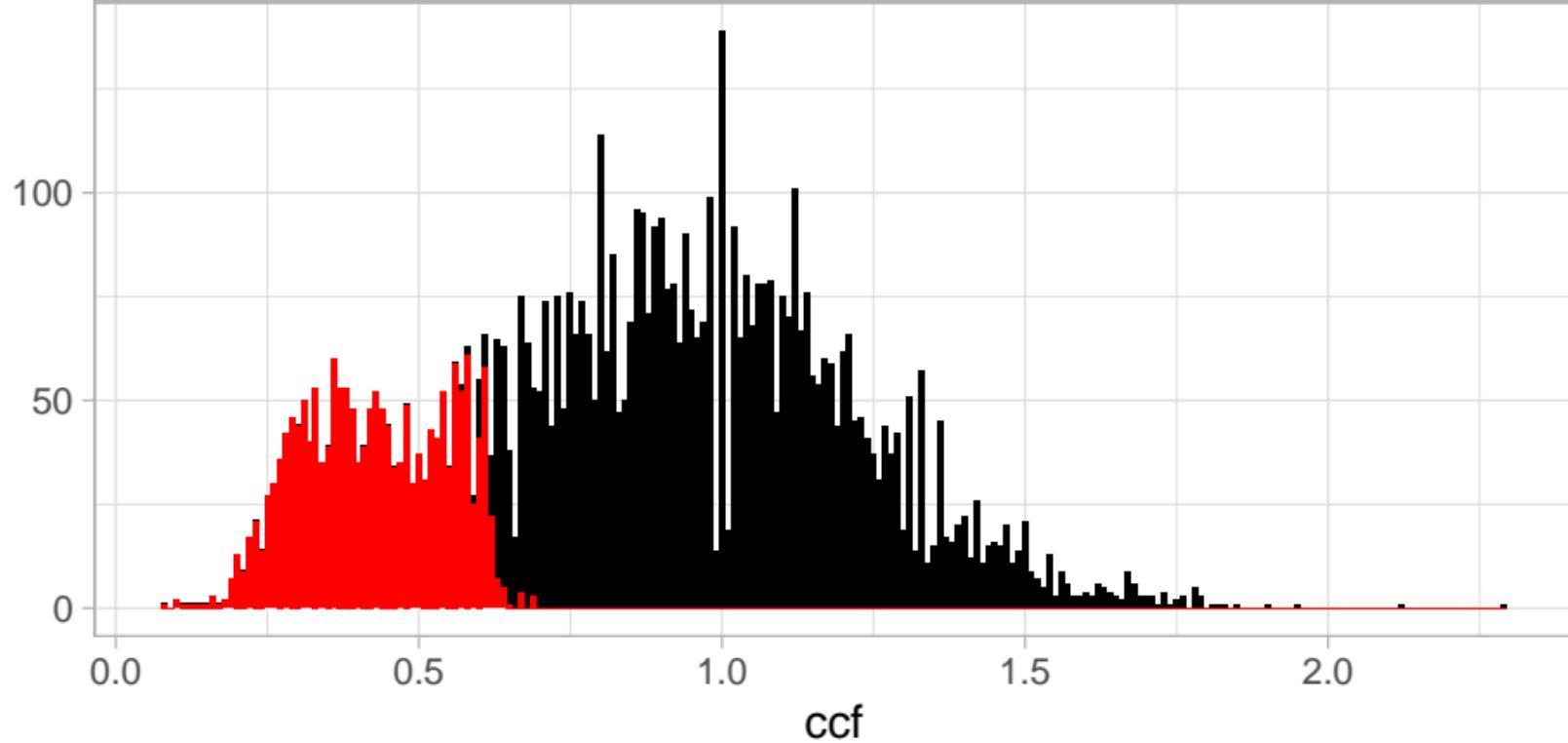


SA543541



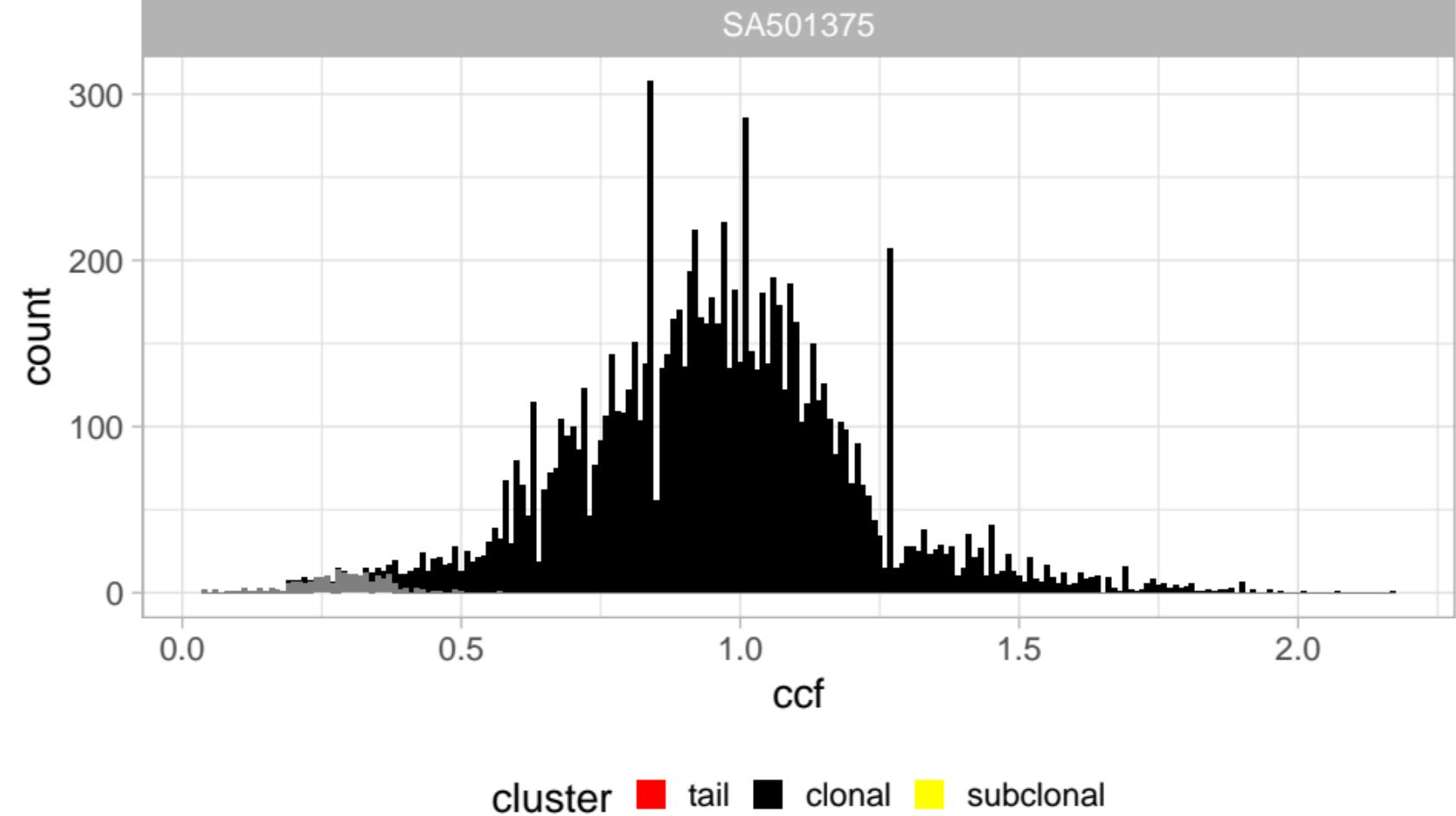
SA505591

count



cluster ■ tail ■ clonal ■ subclonal

SA501375



SA518804

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA270452

count

600
400
200
0

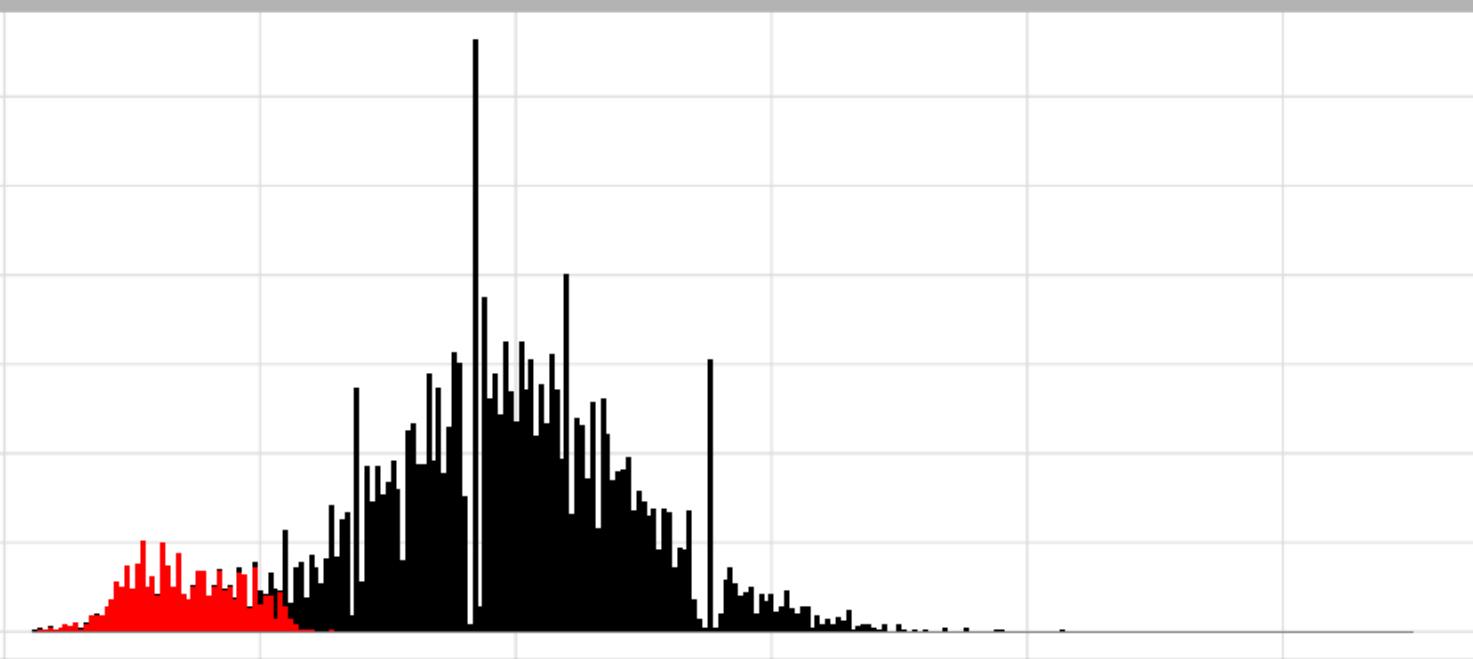
0

1

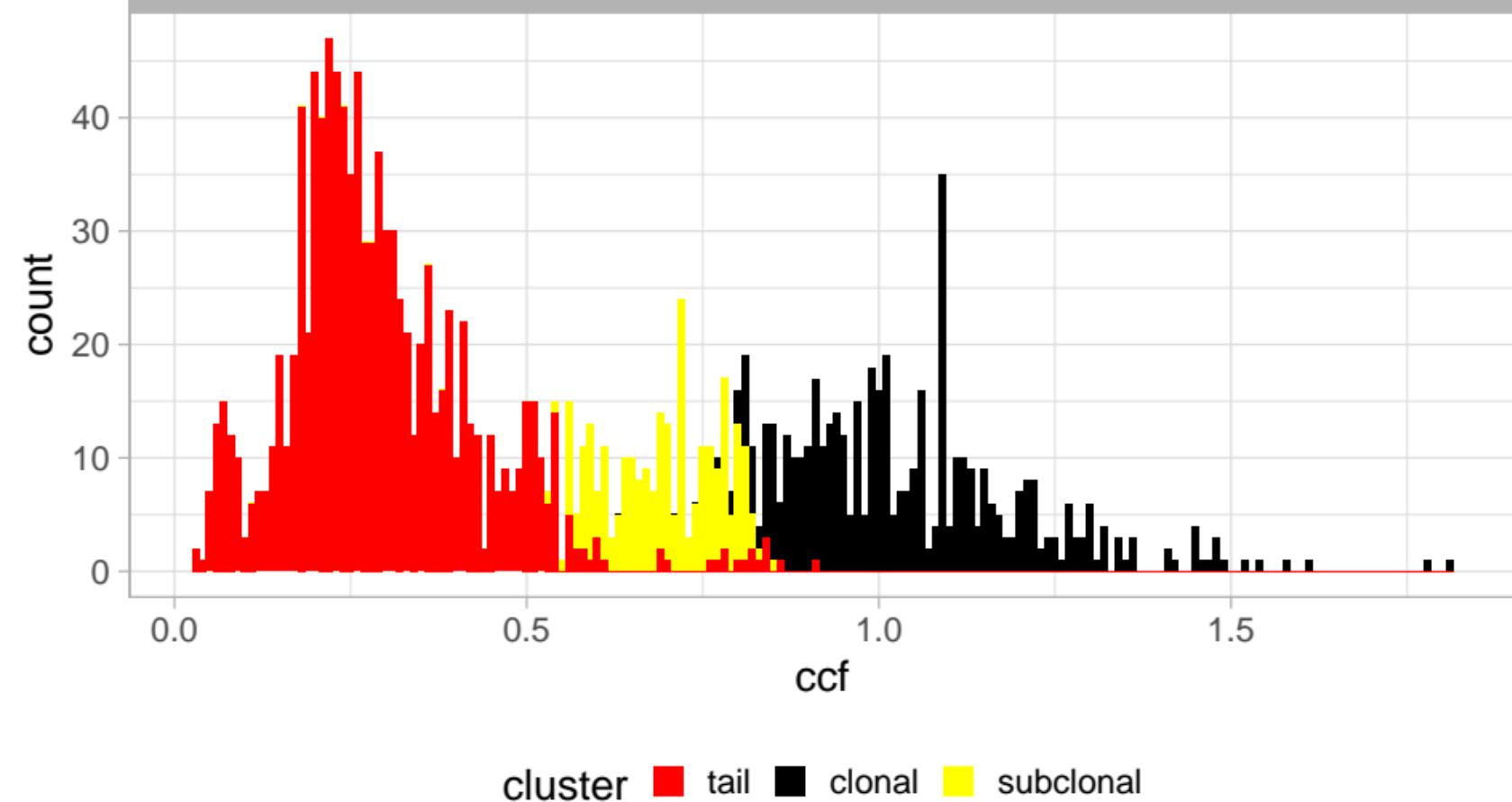
2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA414139



SA517371

count

30

20

10

0

0.0

0.5

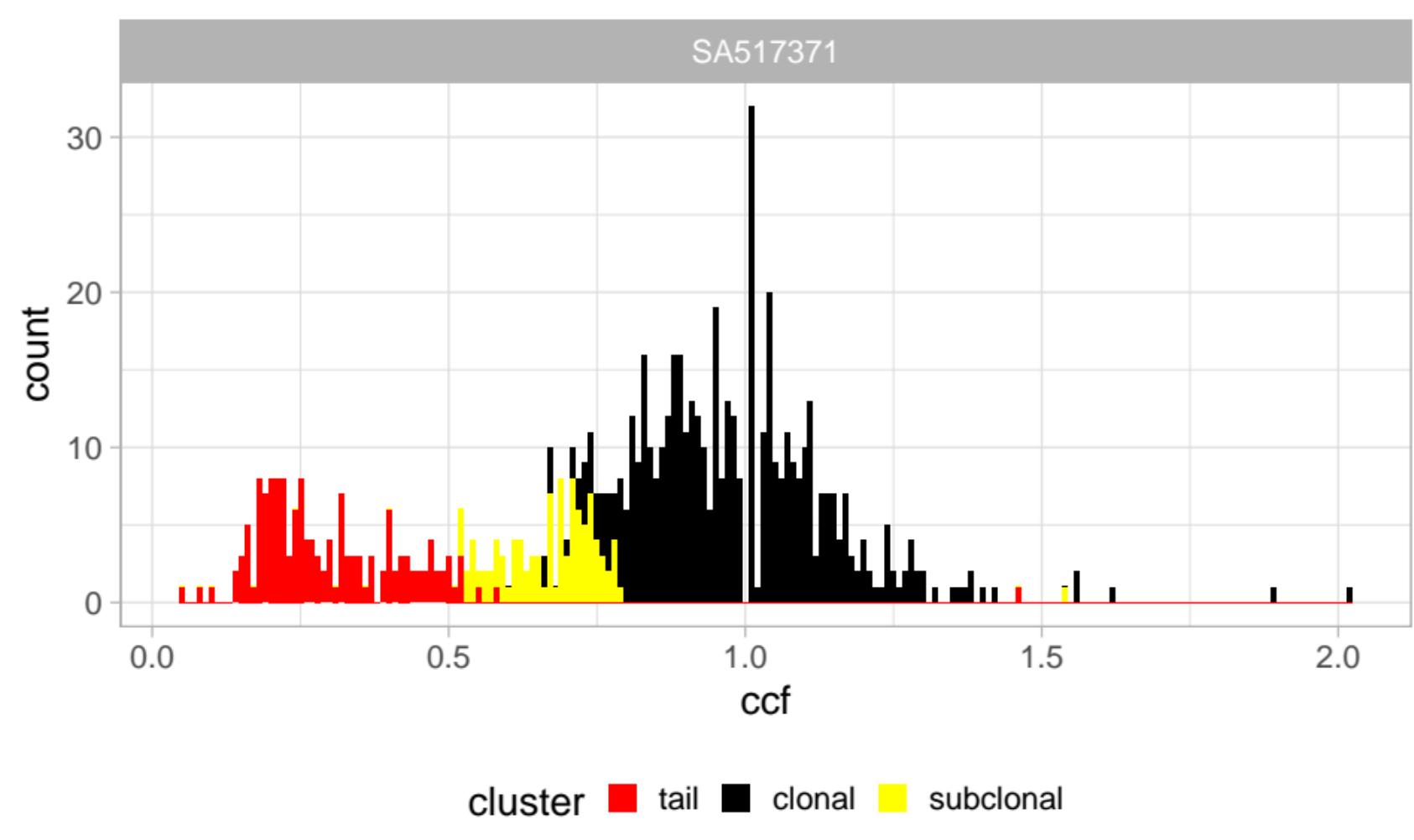
1.0

1.5

2.0

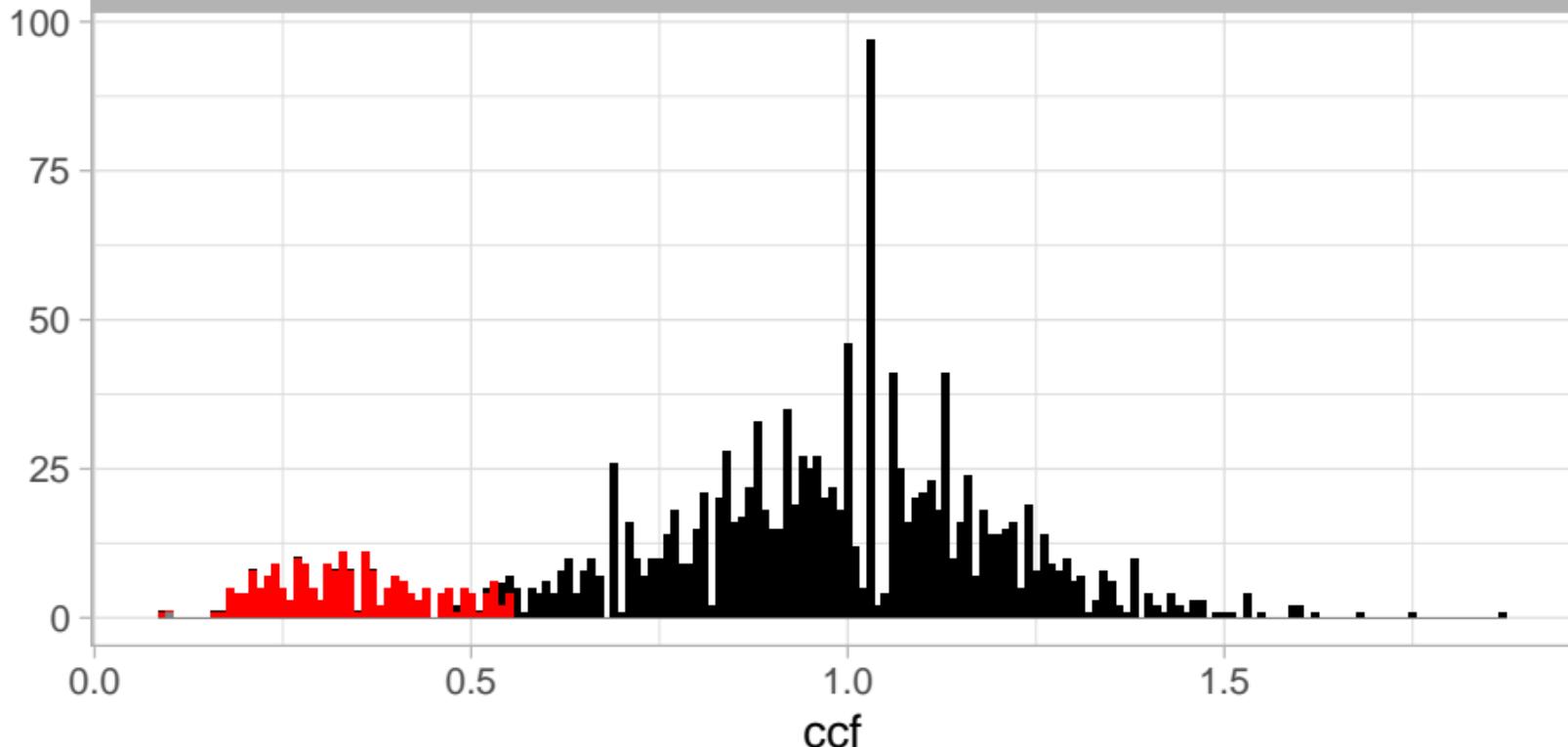
ccf

cluster tail clonal subclonal



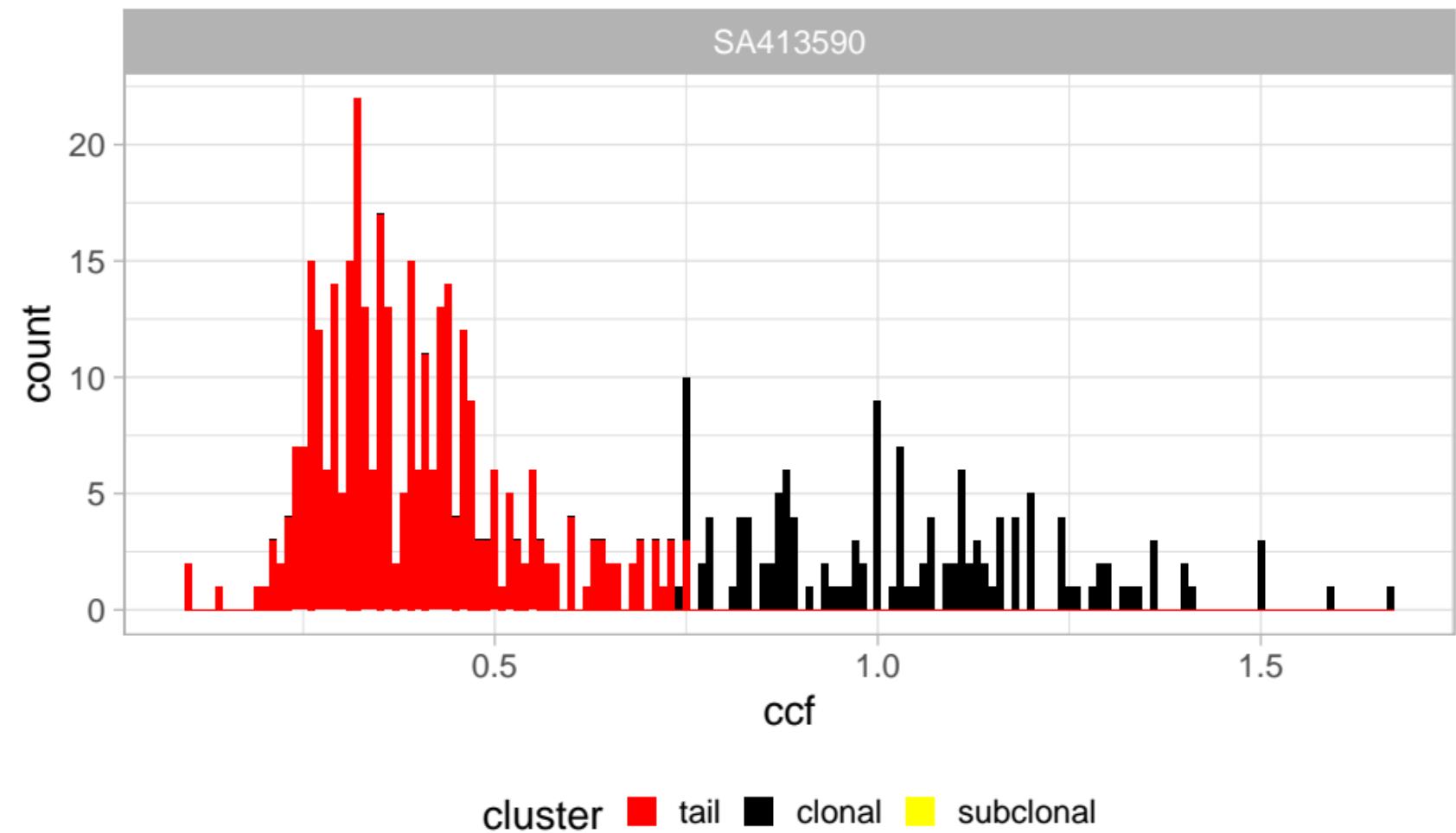
SA86569

count



cluster ■ tail ■ clonal ■ subclonal

SA413590



SA413778

count

3
2
1
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal

SA557397

count

75
50
25
0

0.0 2.5 5.0 7.5

ccf

cluster tail clonal subclonal

SA528855

count

800
600
400
200
0

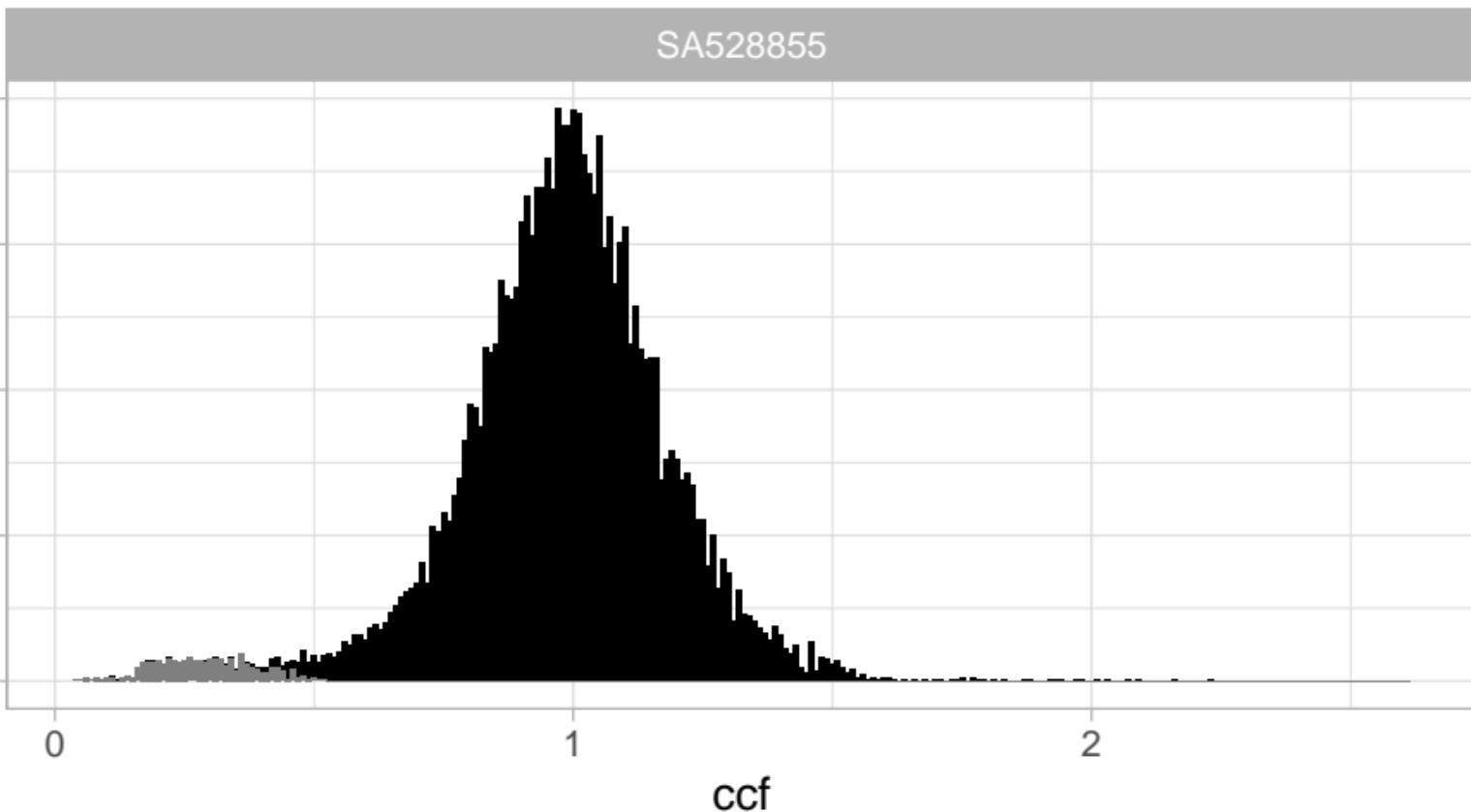
0

1

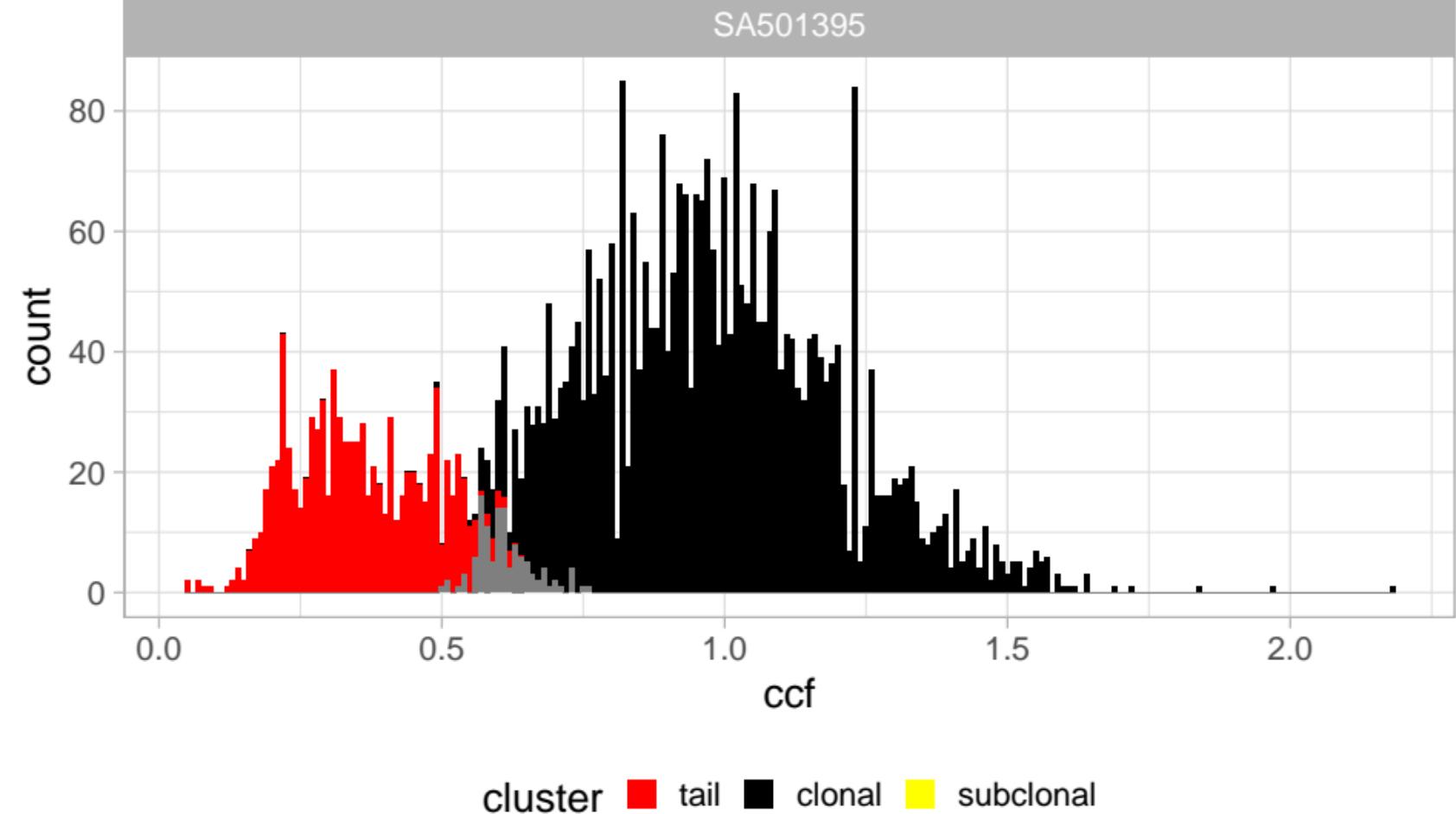
2

ccf

cluster tail clonal subclonal



SA501395



SA270454

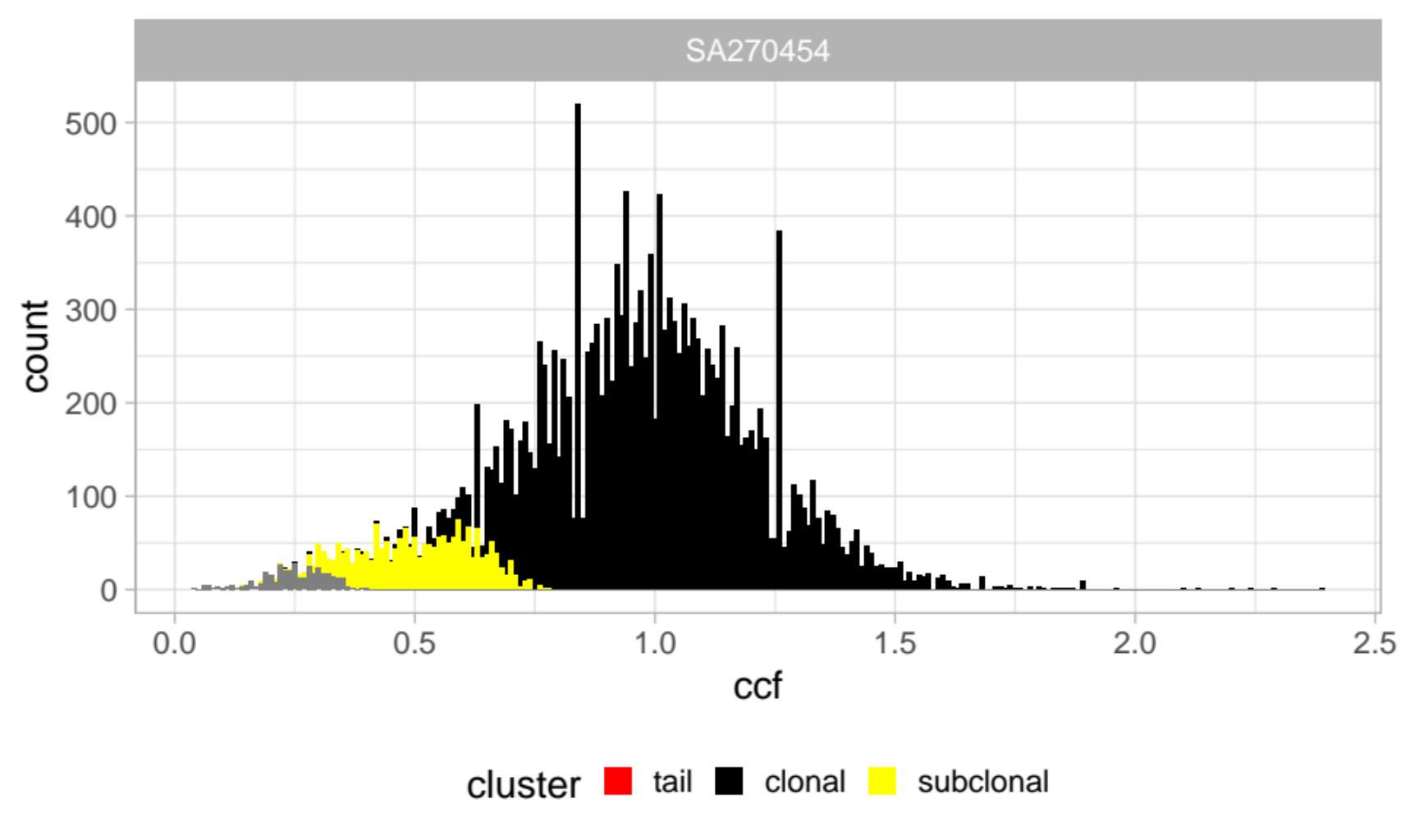
count

500
400
300
200
100
0

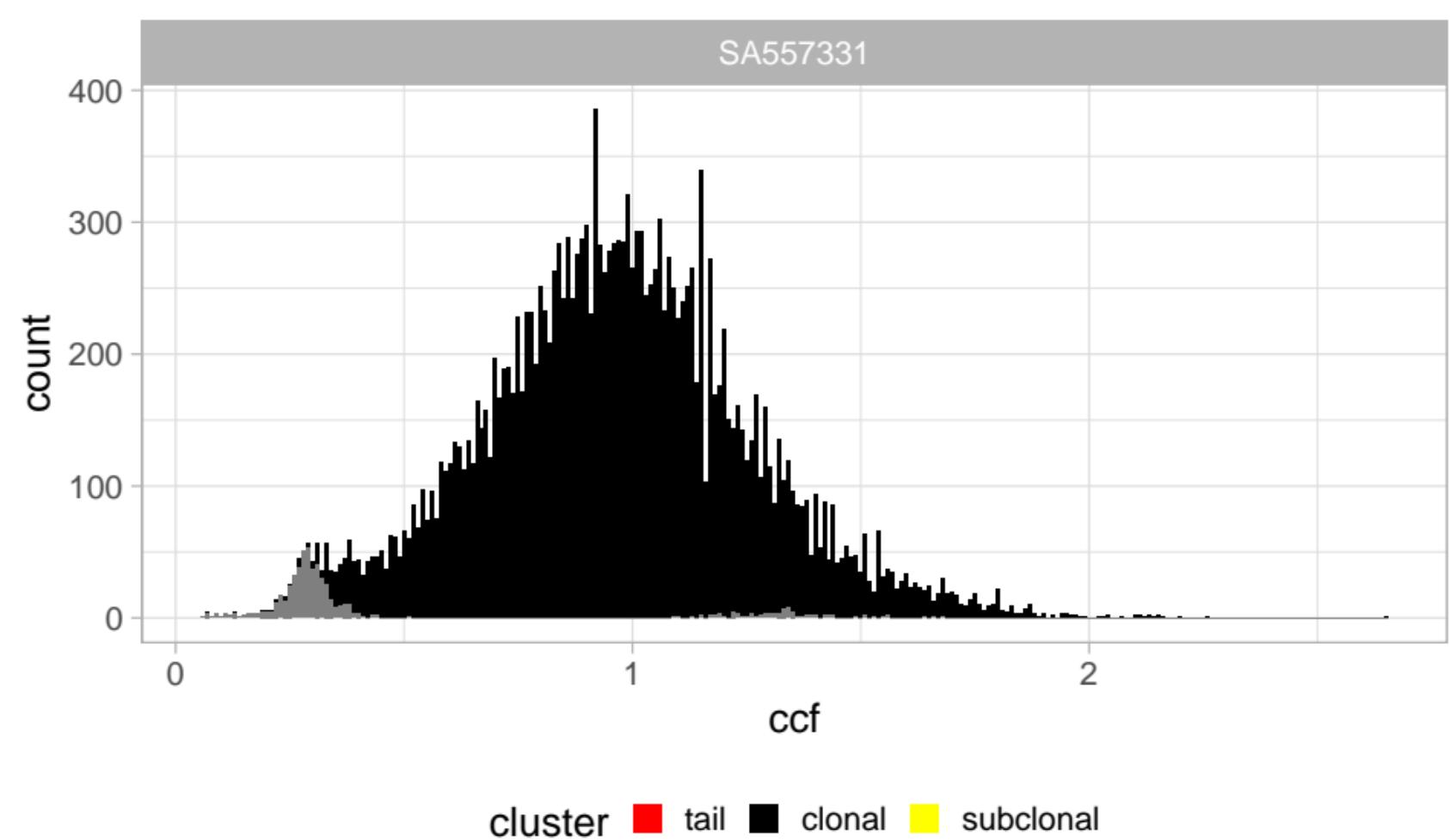
0.0 0.5 1.0 1.5 2.0 2.5

ccf

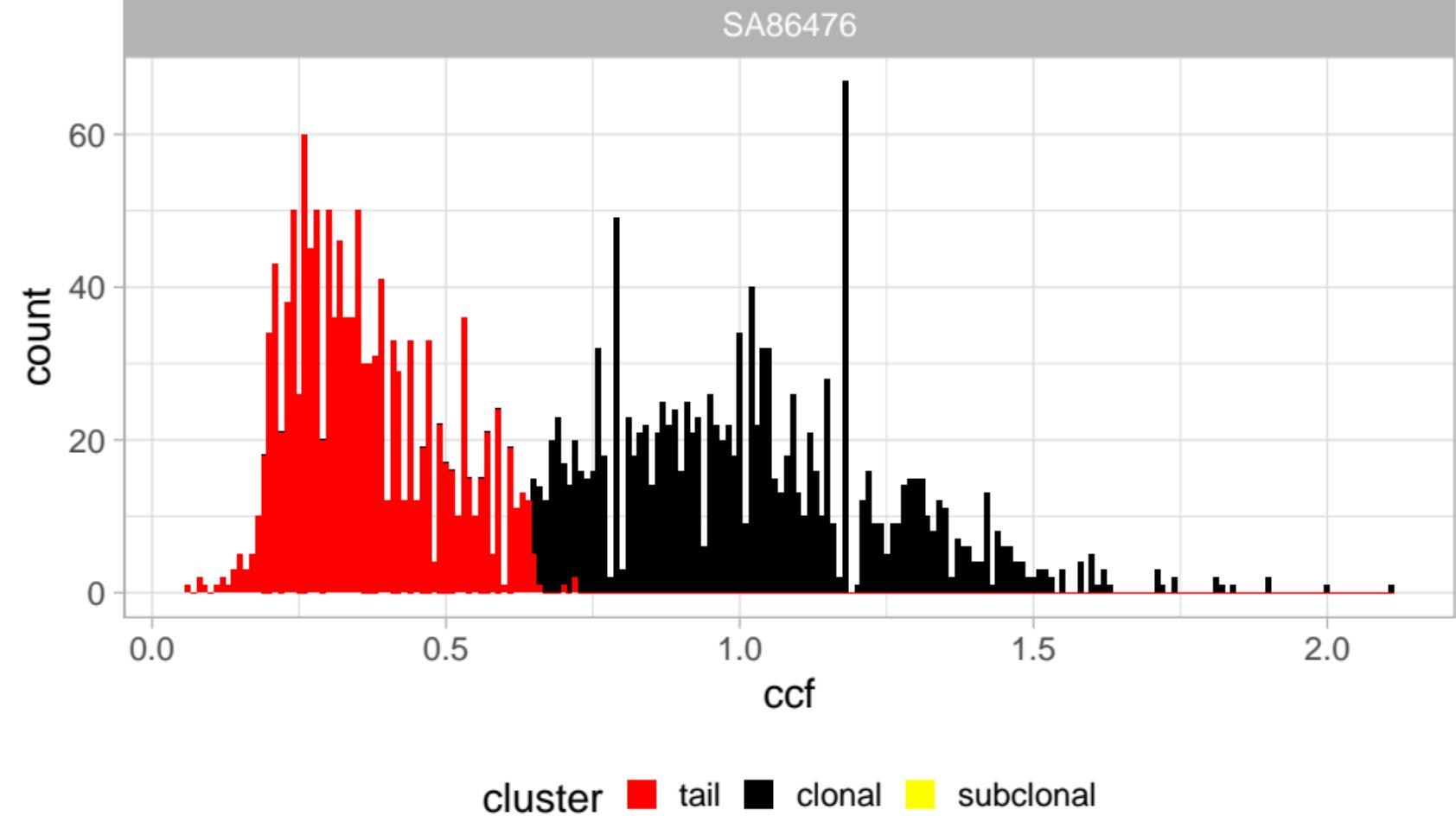
cluster tail clonal subclonal



SA557331



SA86476



SA542165

count

100

75

50

25

0

0.0

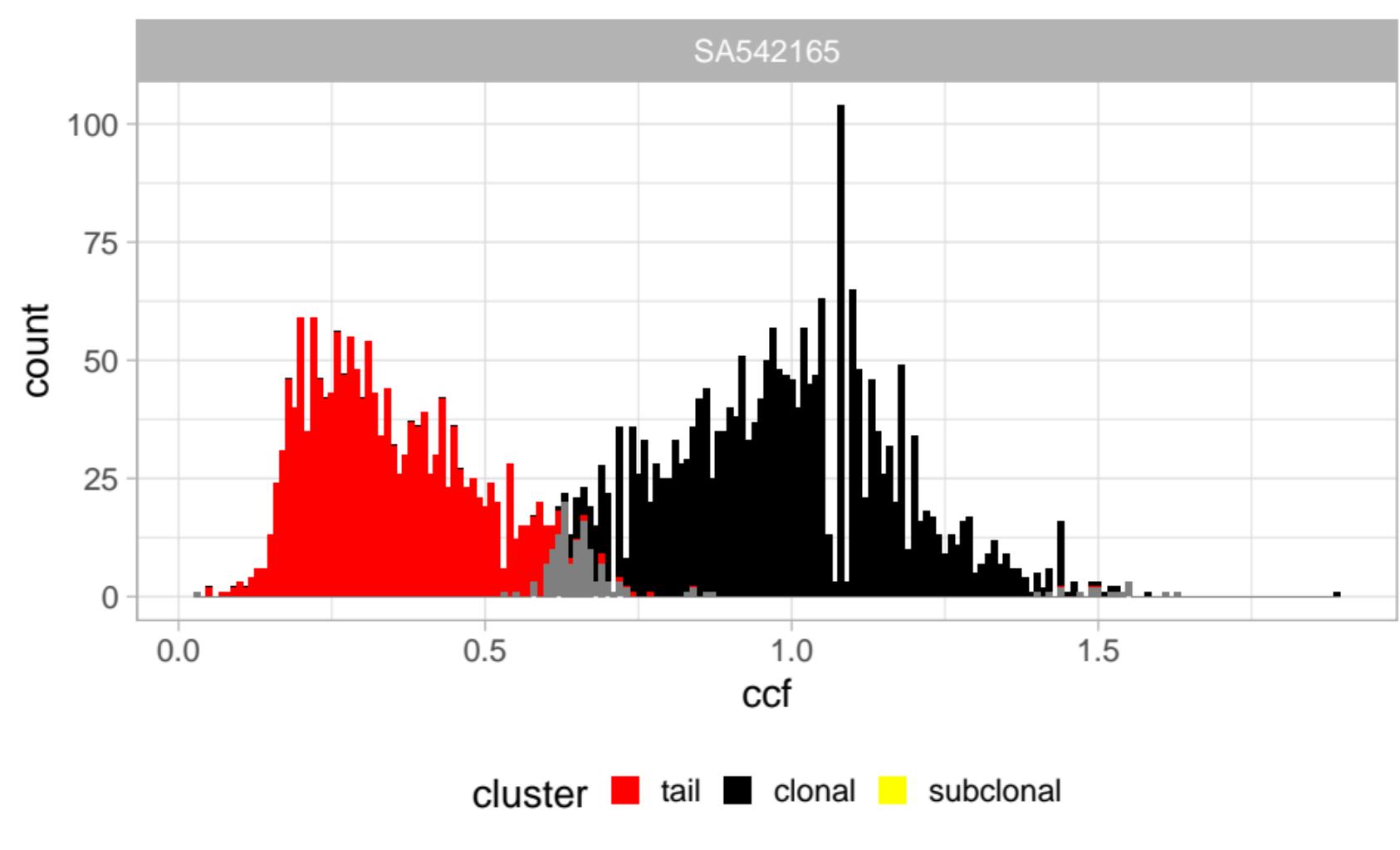
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA542140

count

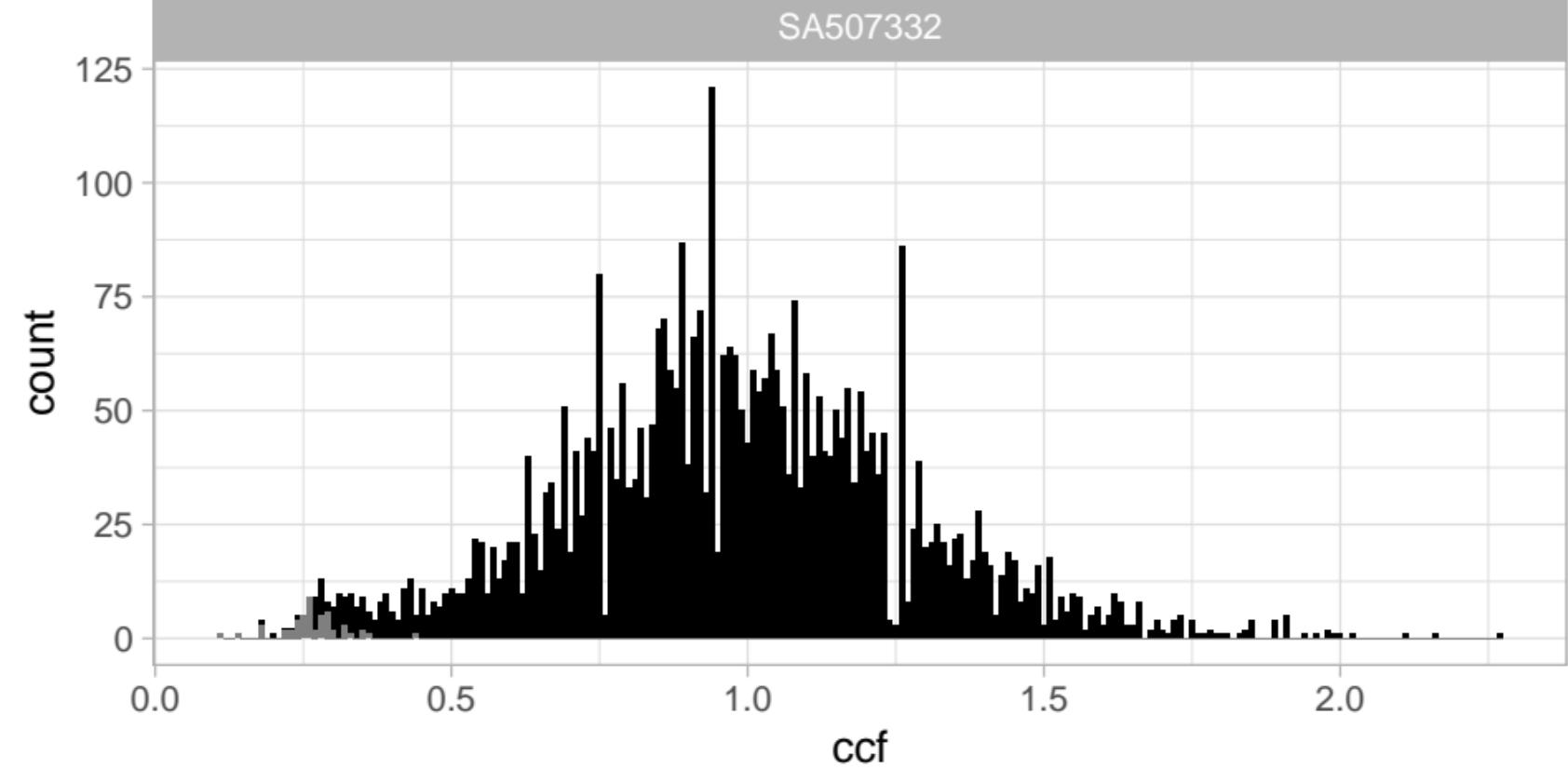
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

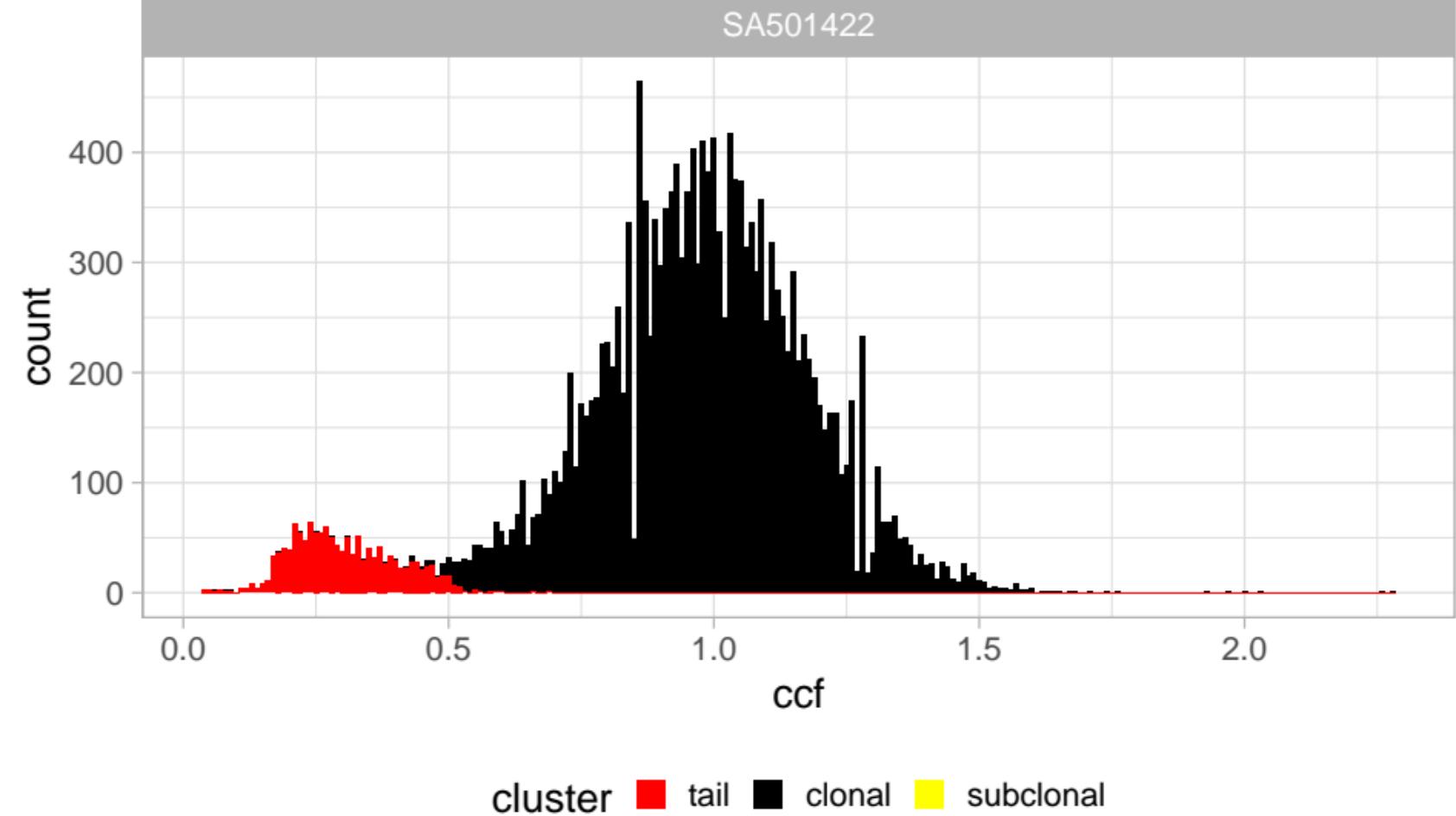
cluster tail clonal subclonal

SA507332



cluster ■ tail ■ clonal ■ subclonal

SA501422



SA528790

count

400
300
200
100
0

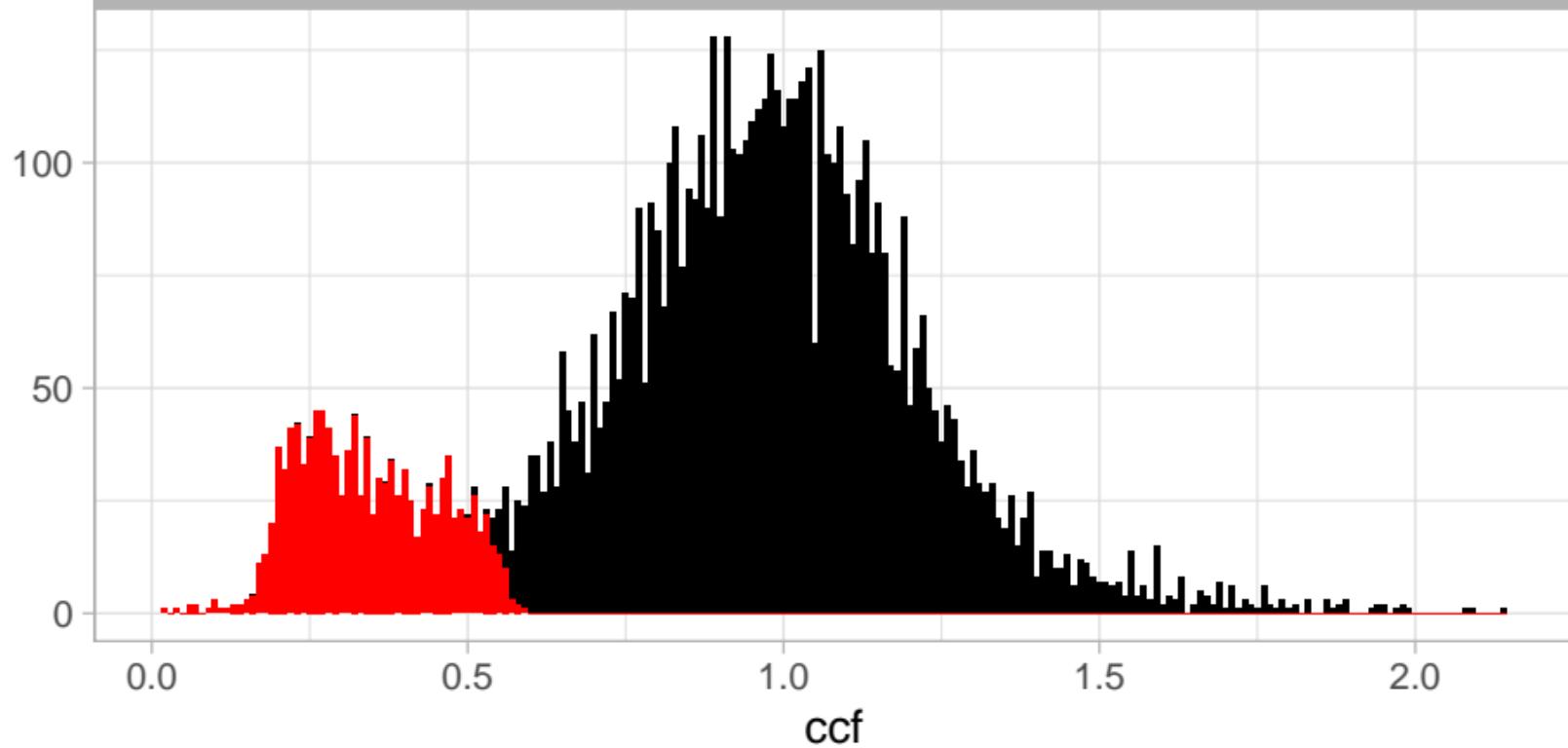
0 1 2 3 4

ccf

cluster tail clonal subclonal

SA410303

count



cluster ■ tail ■ clonal ■ subclonal

SA533733

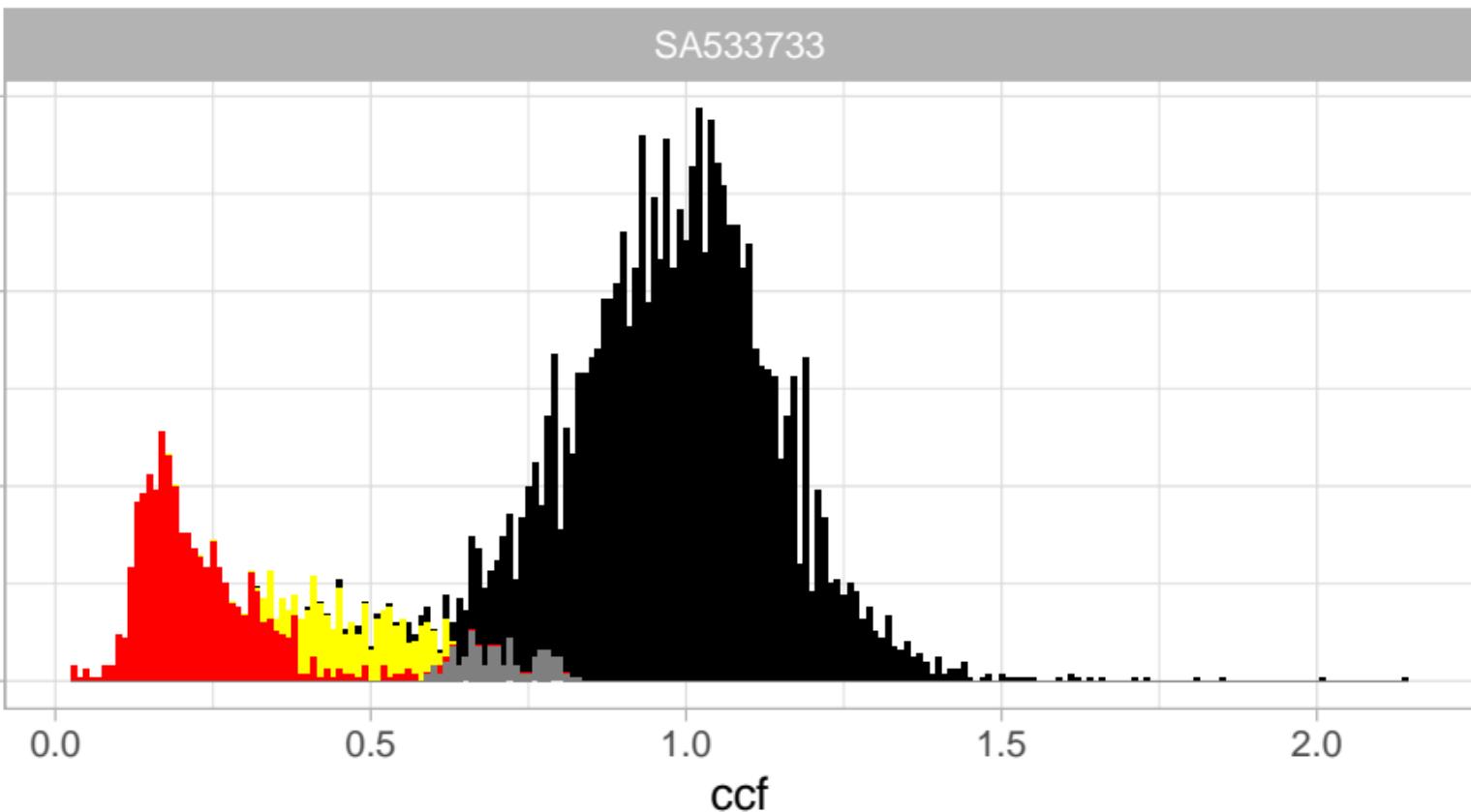
count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA558678

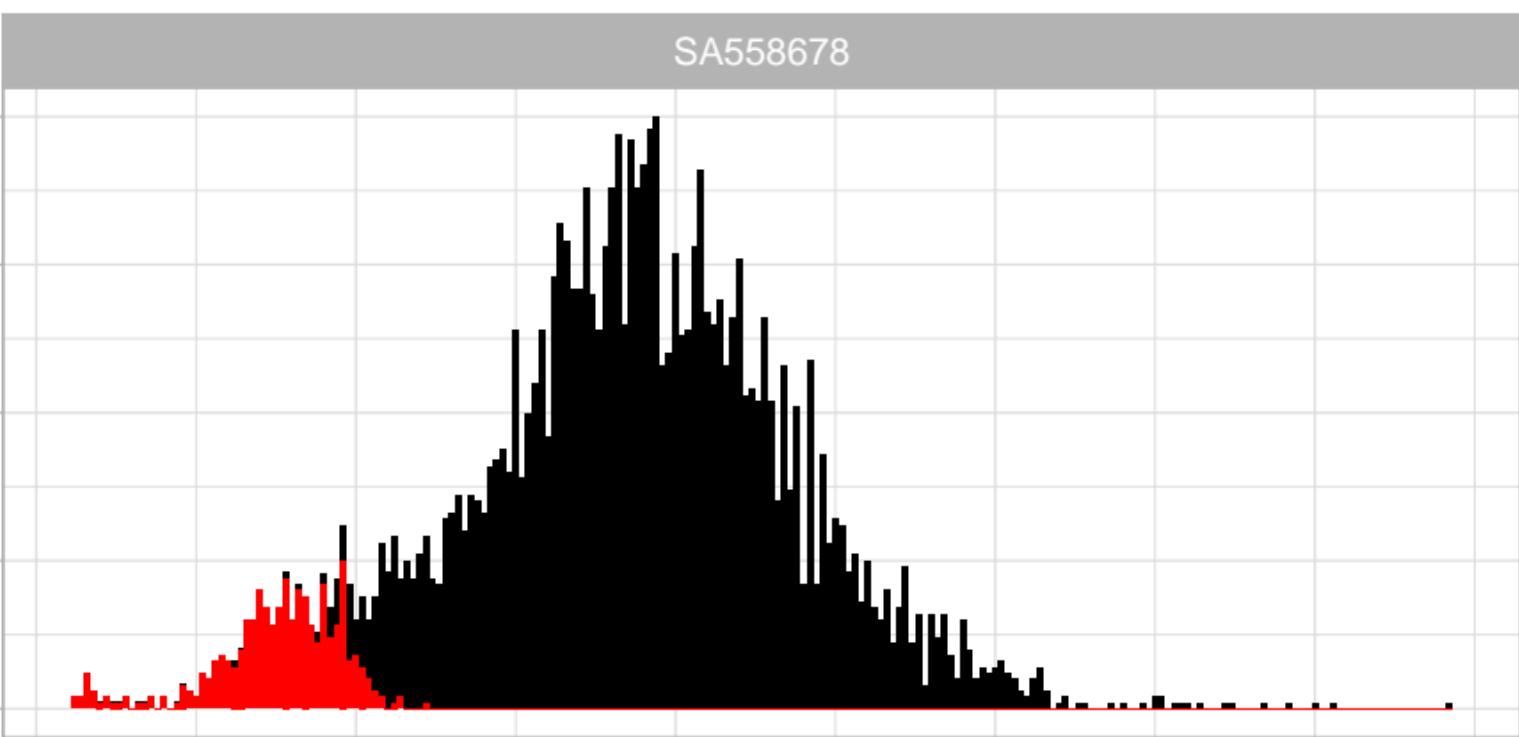
count

100
75
50
25
0

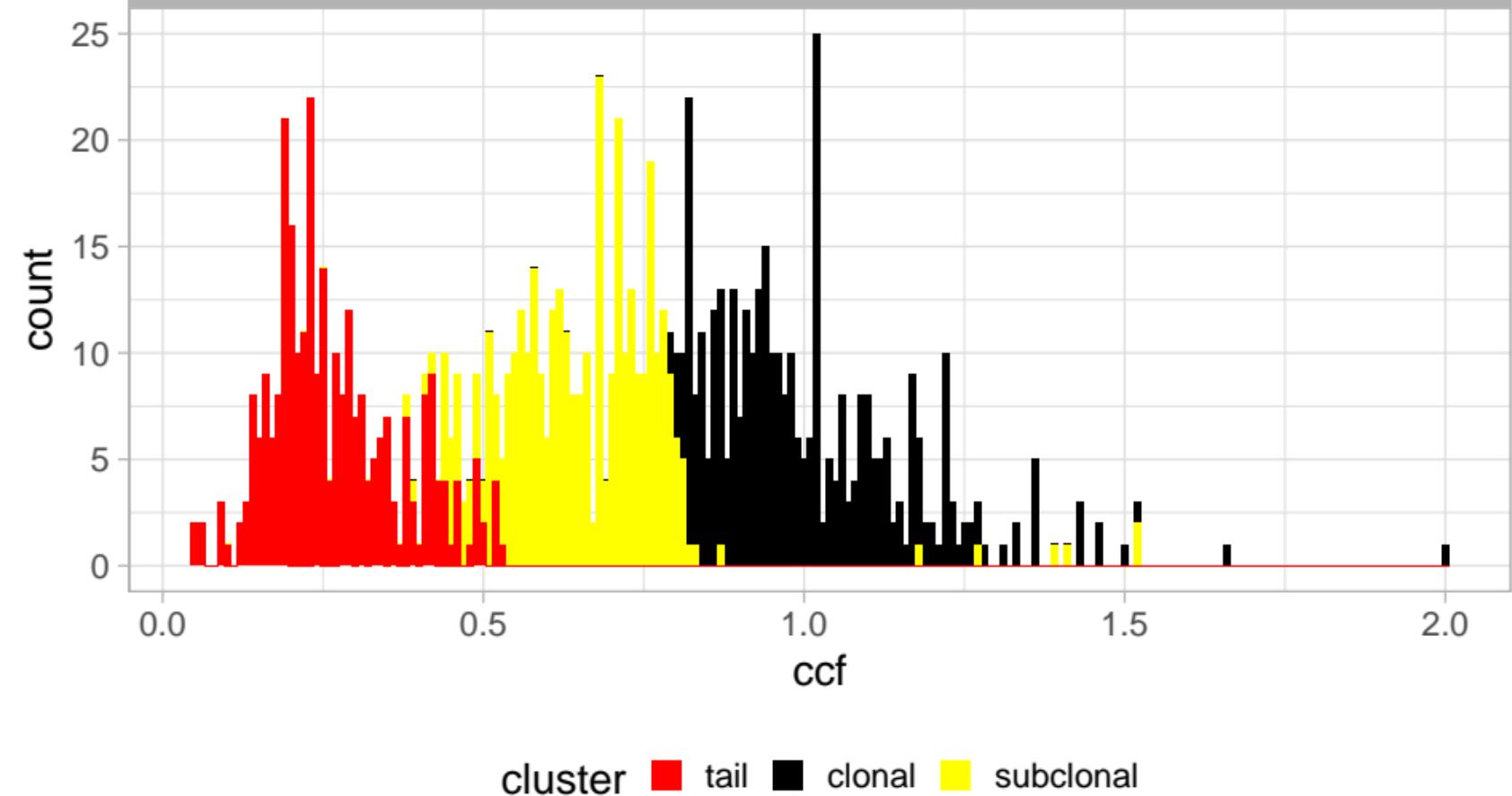
0.0 0.5 1.0 1.5 2.0

ccf

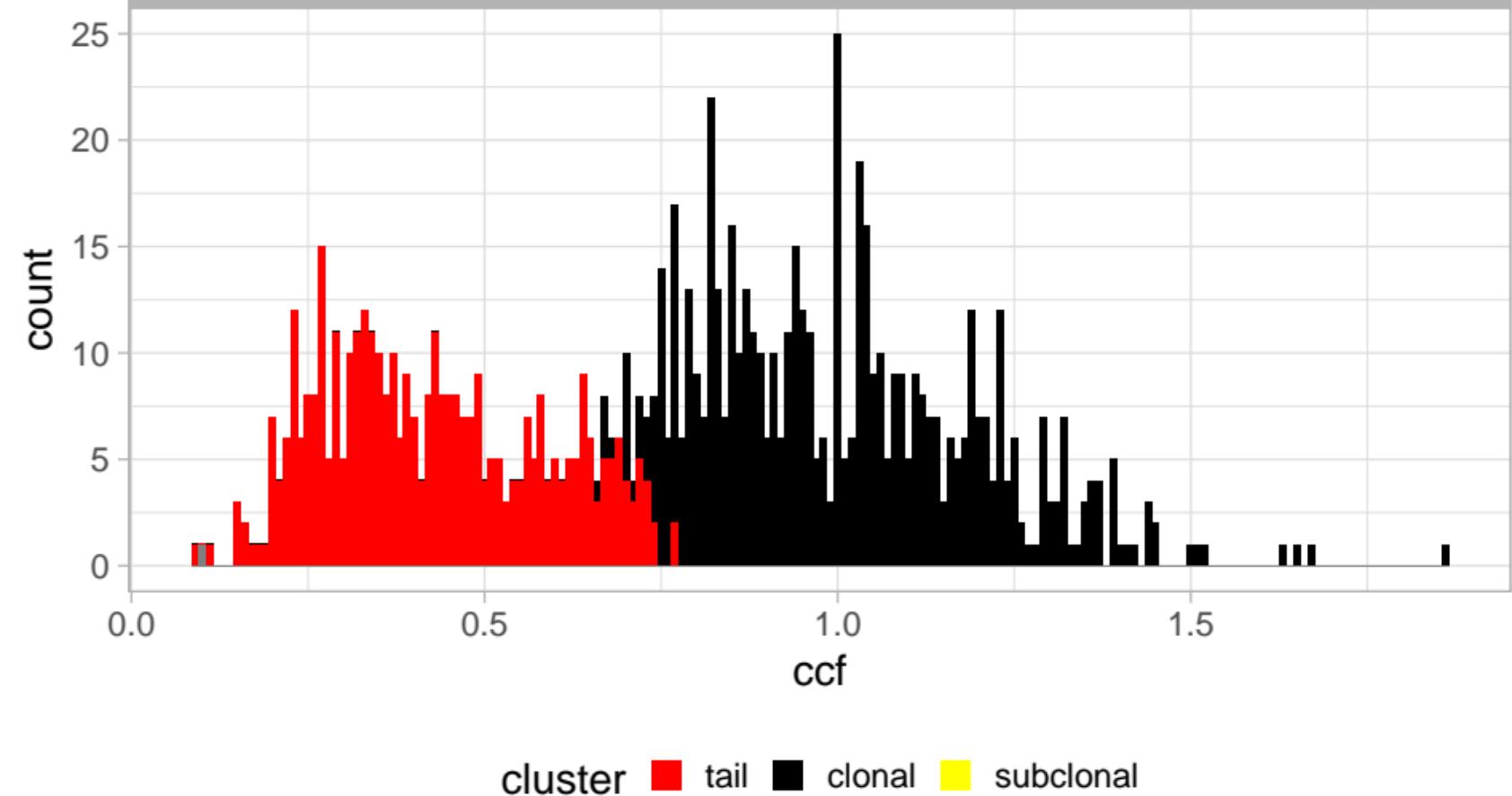
cluster tail clonal subclonal



SA517257



SA413356



SA570903

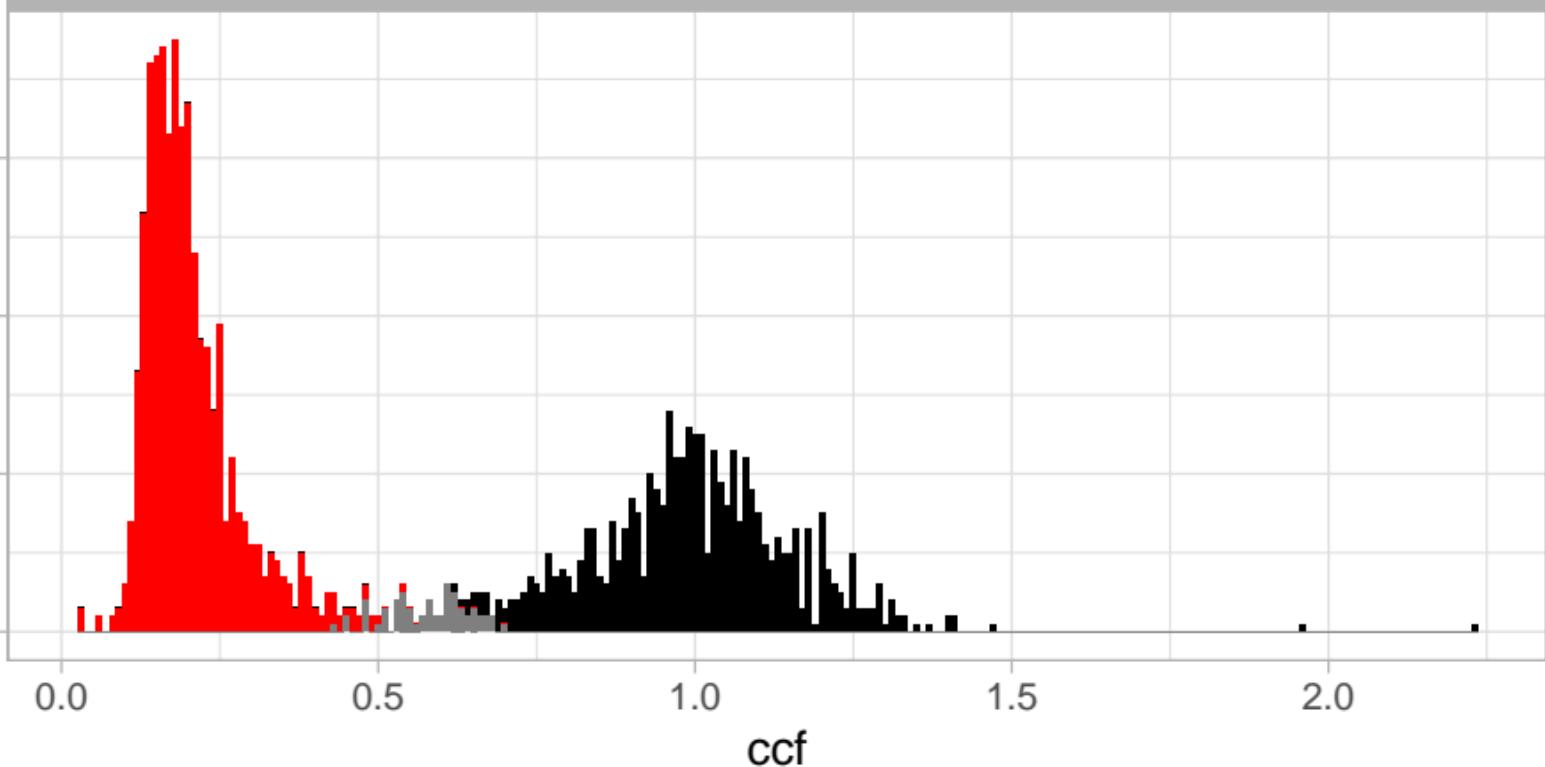
count

60
40
20
0

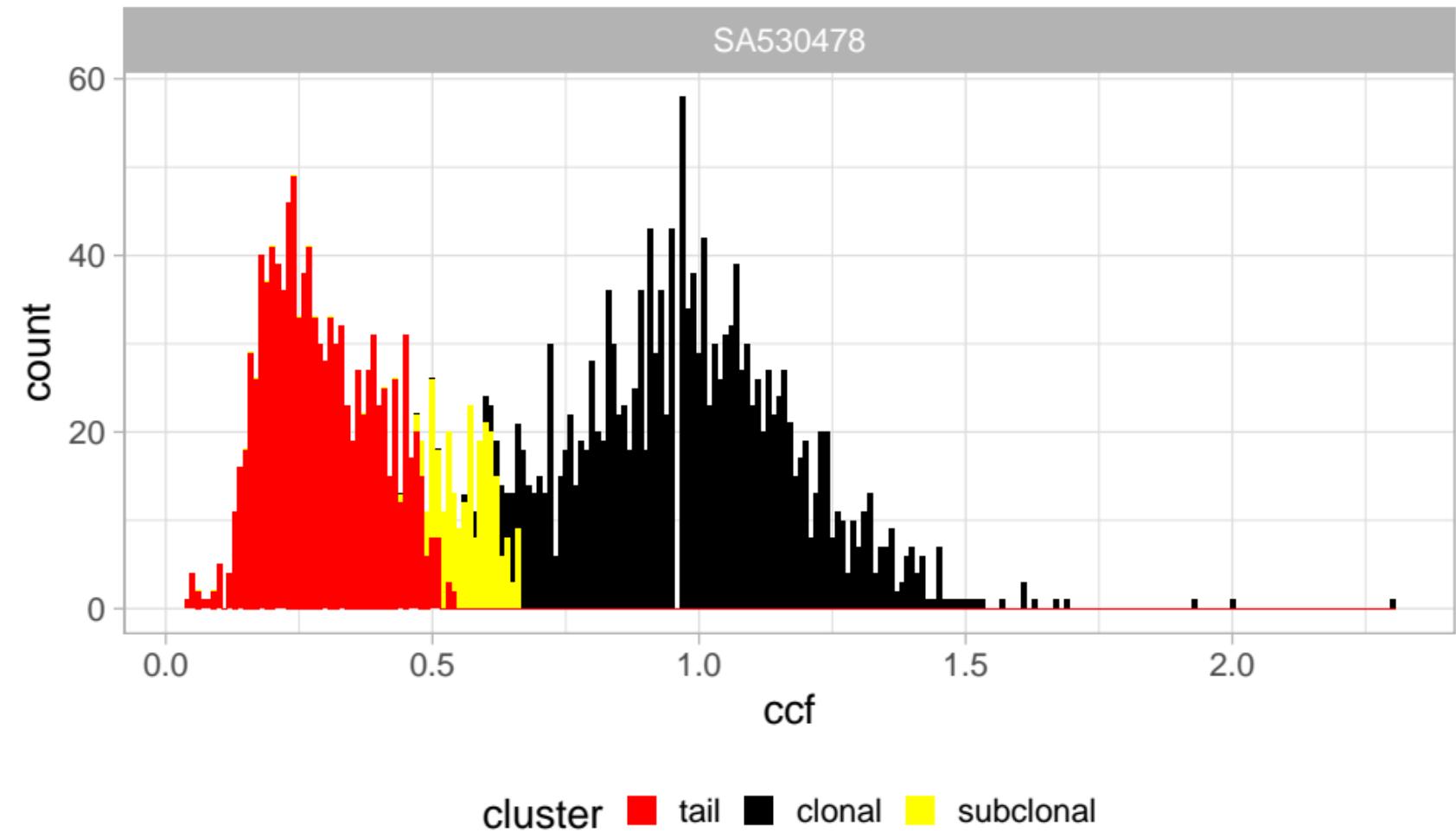
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA530478



SA410526

count

120
90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA517283

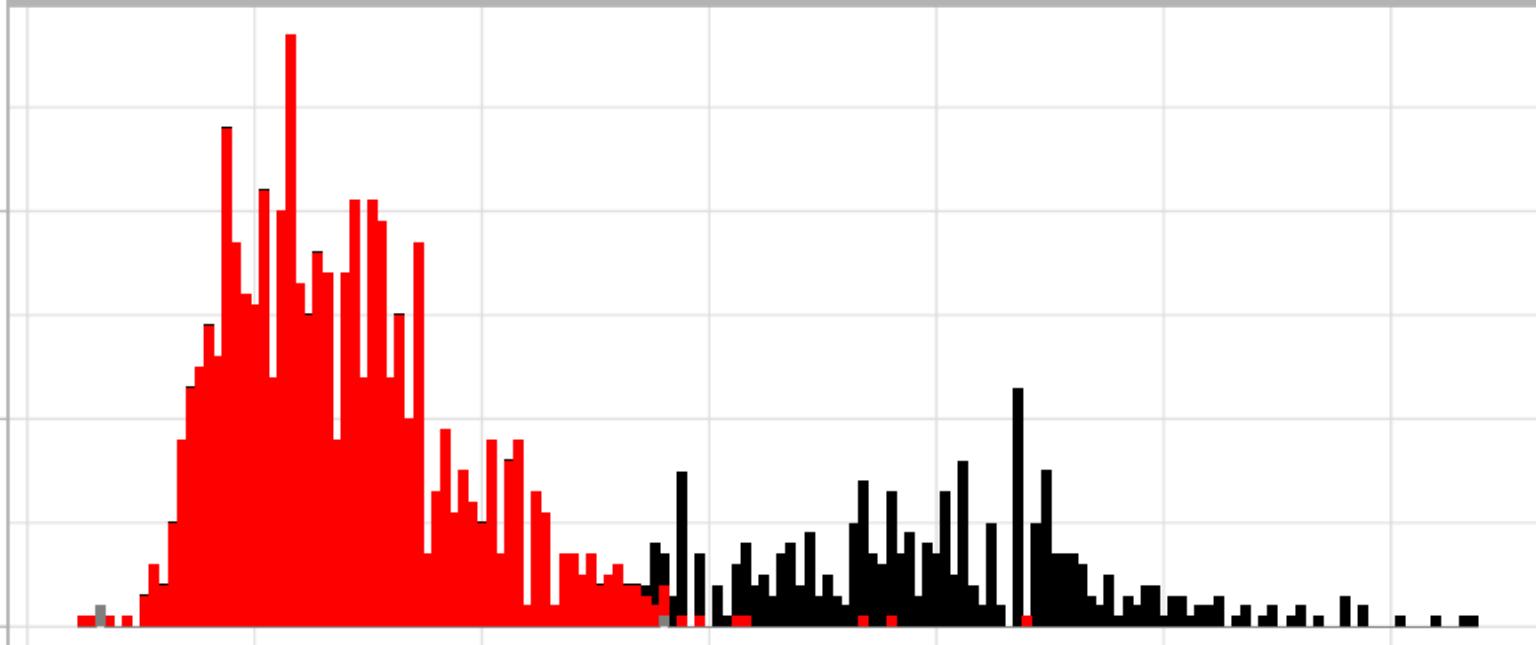
count

40
20
0

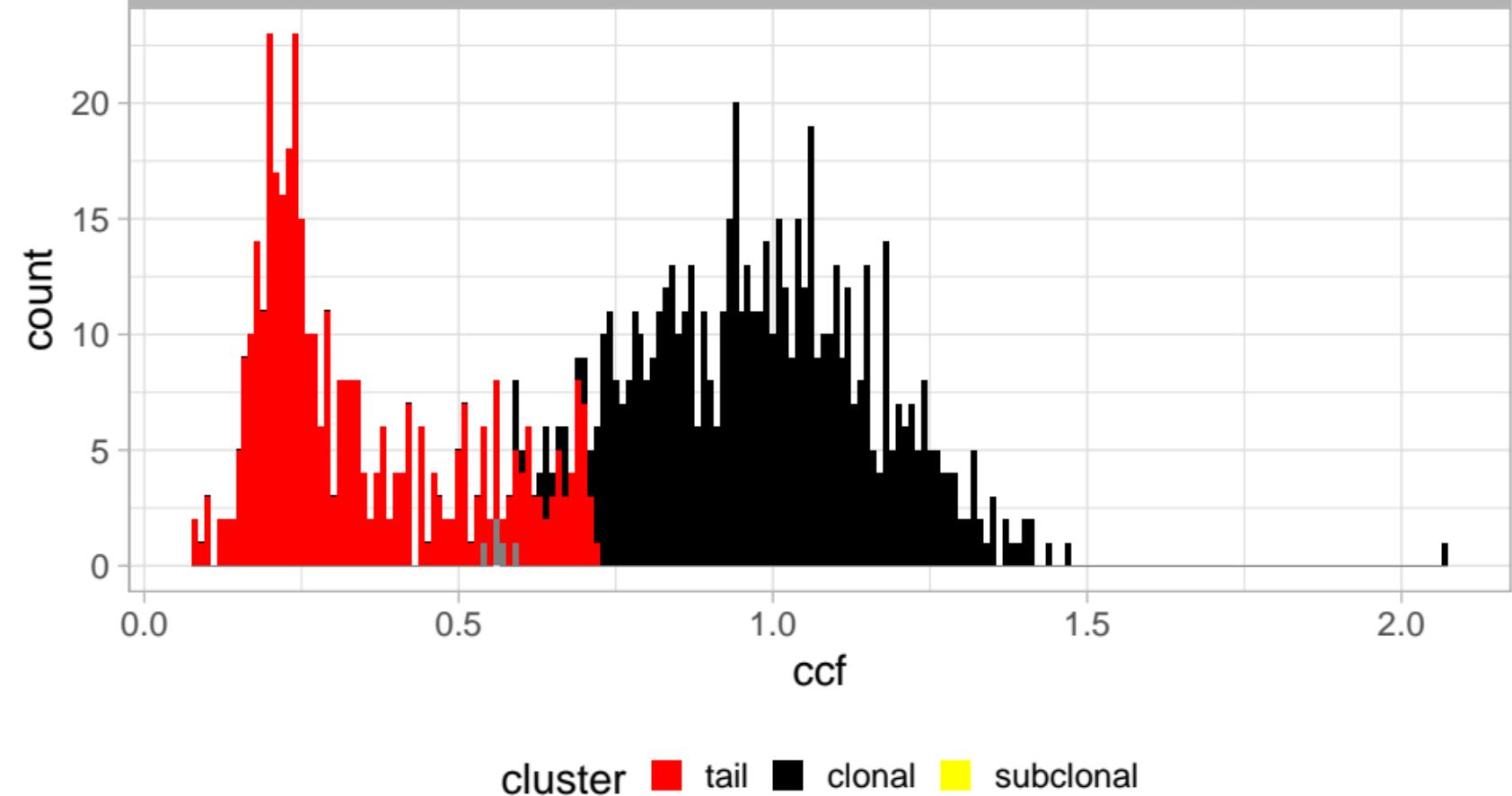
0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA570901



SA411717

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA557526

count

750
500
250
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA533753

count

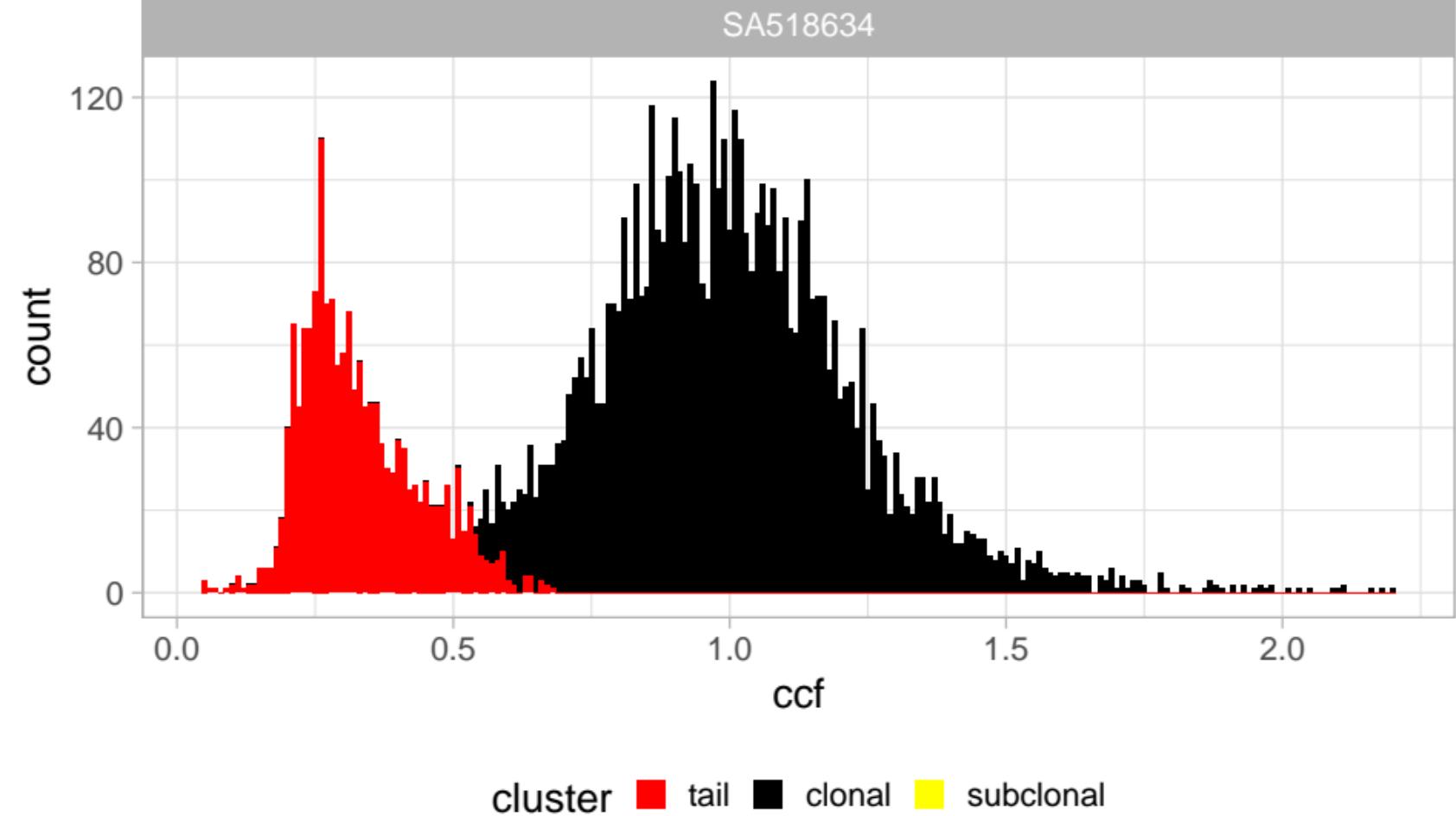
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA518634



SA86575

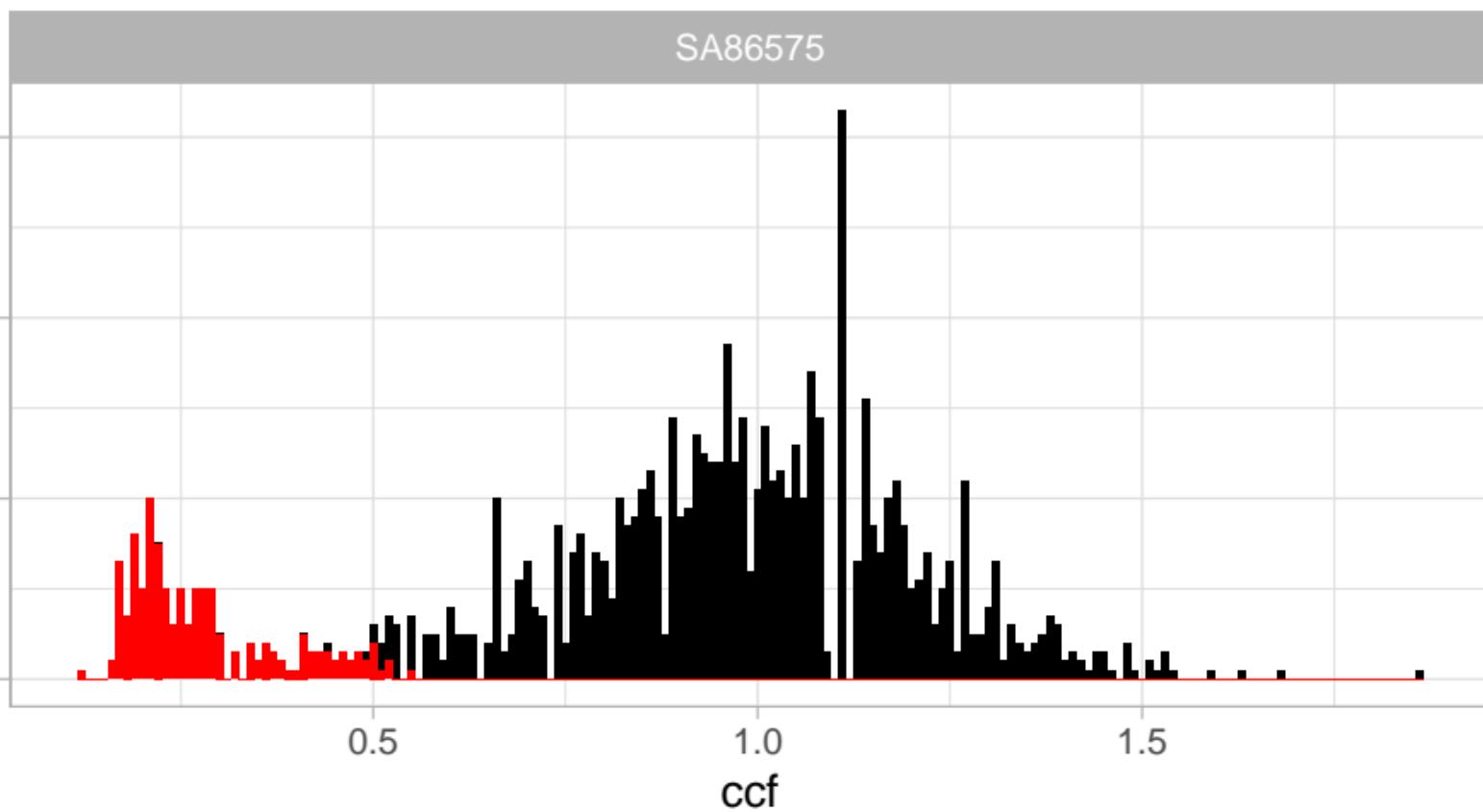
count

60
40
20
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA413868

count

6
4
2
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal

SA533770

count

150

100

50

0

0.0

0.5

1.0

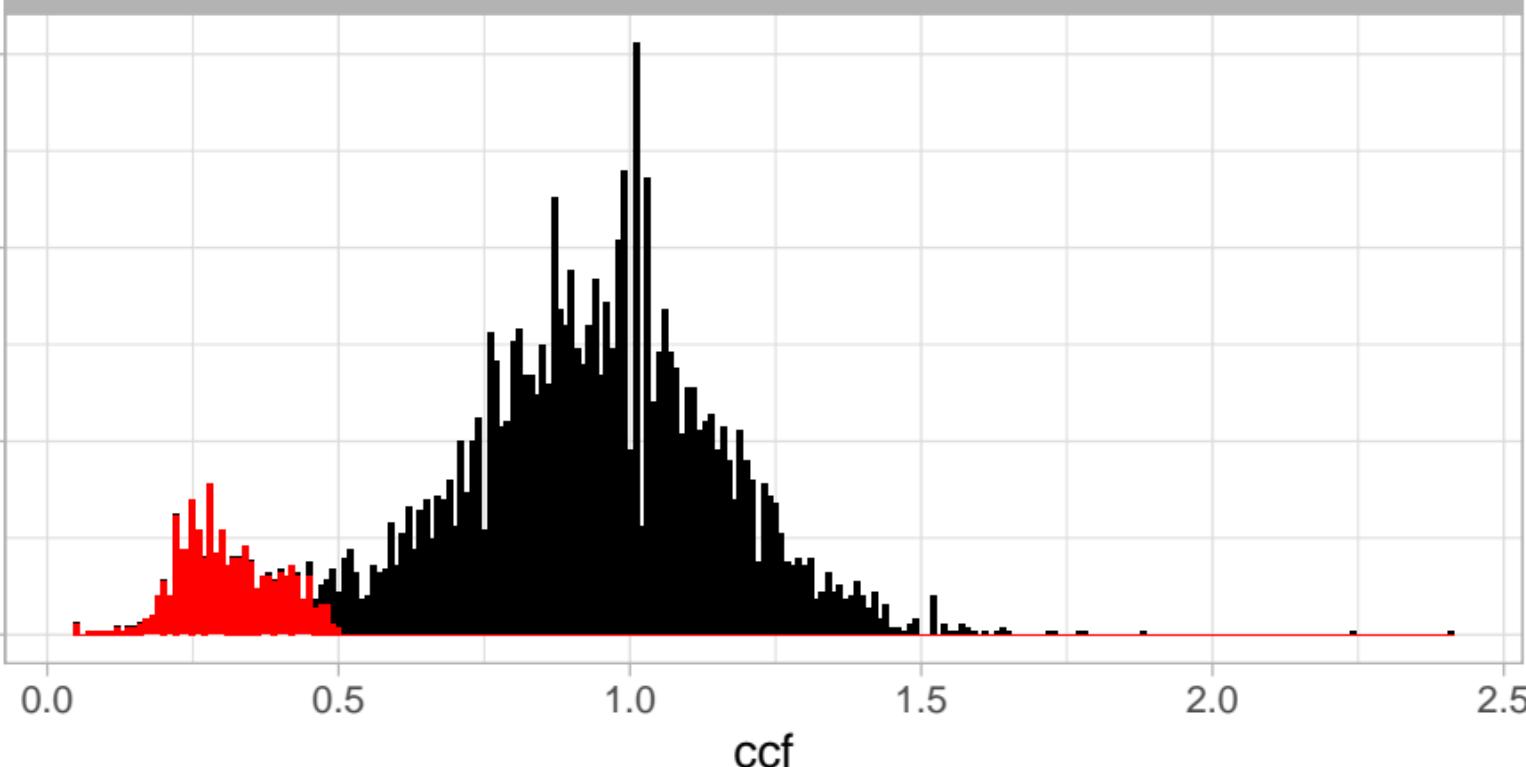
1.5

2.0

2.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA505404

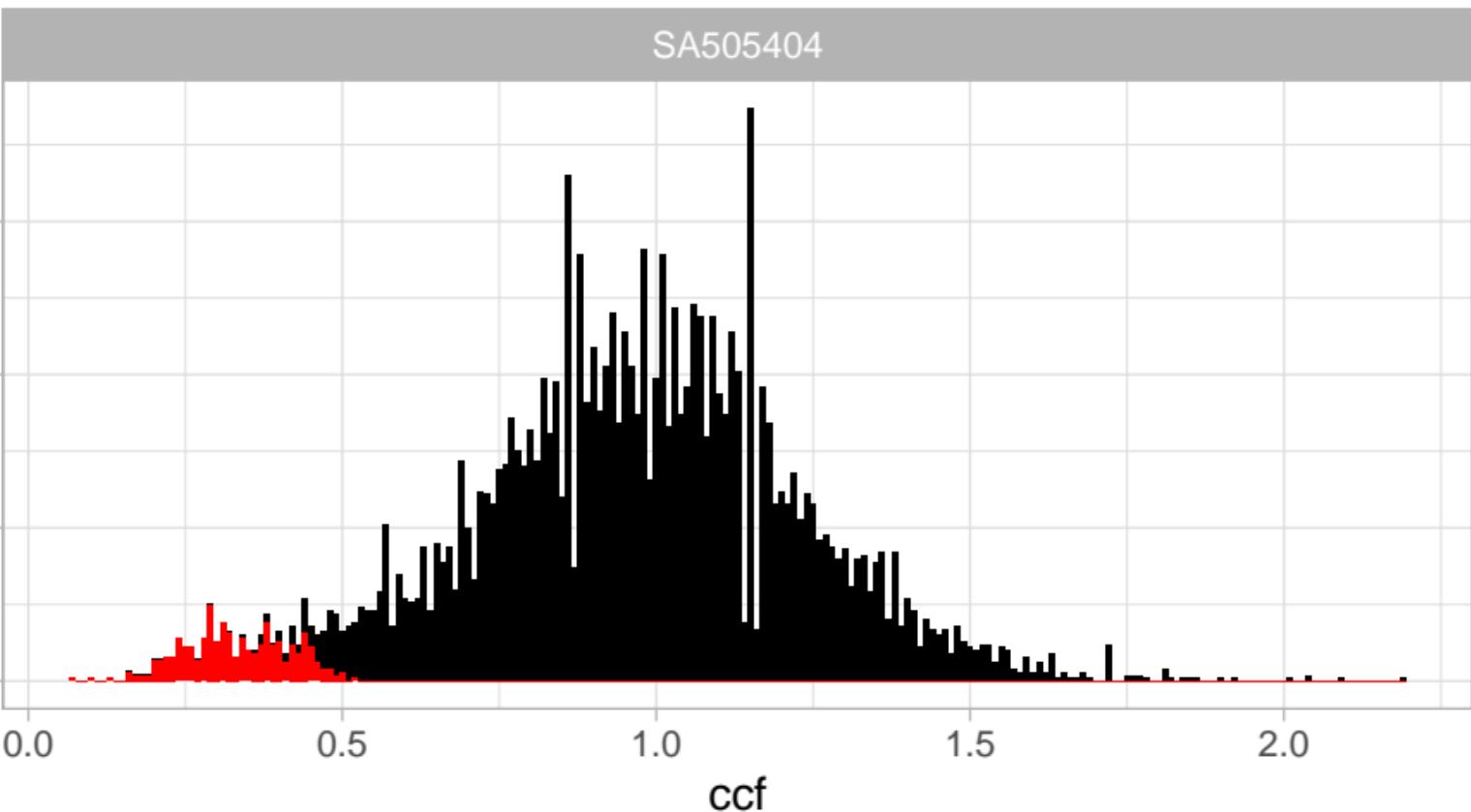
count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA520229

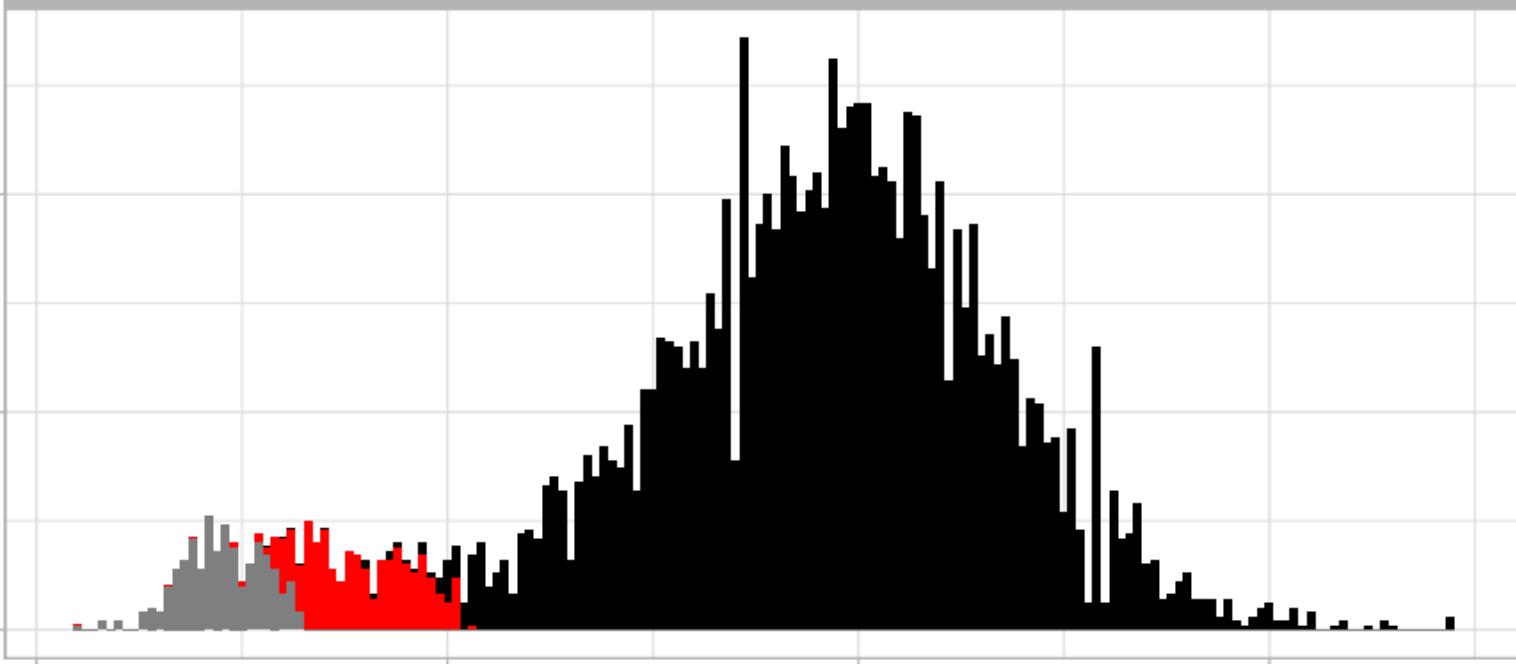
count

100
50
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA505297

count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA507501

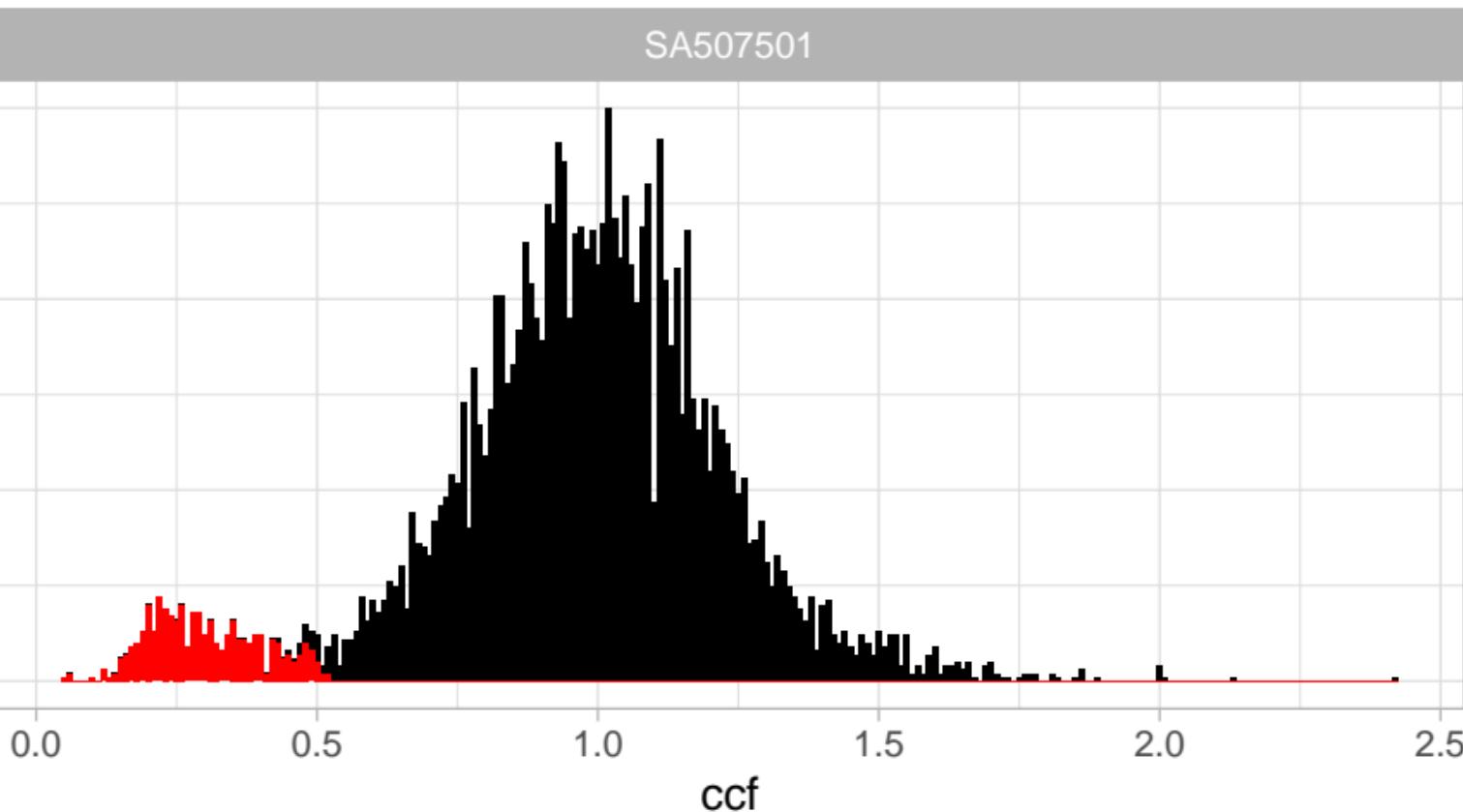
count

150
100
50
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA542101

count

200

150

100

50

0

0.0

0.5

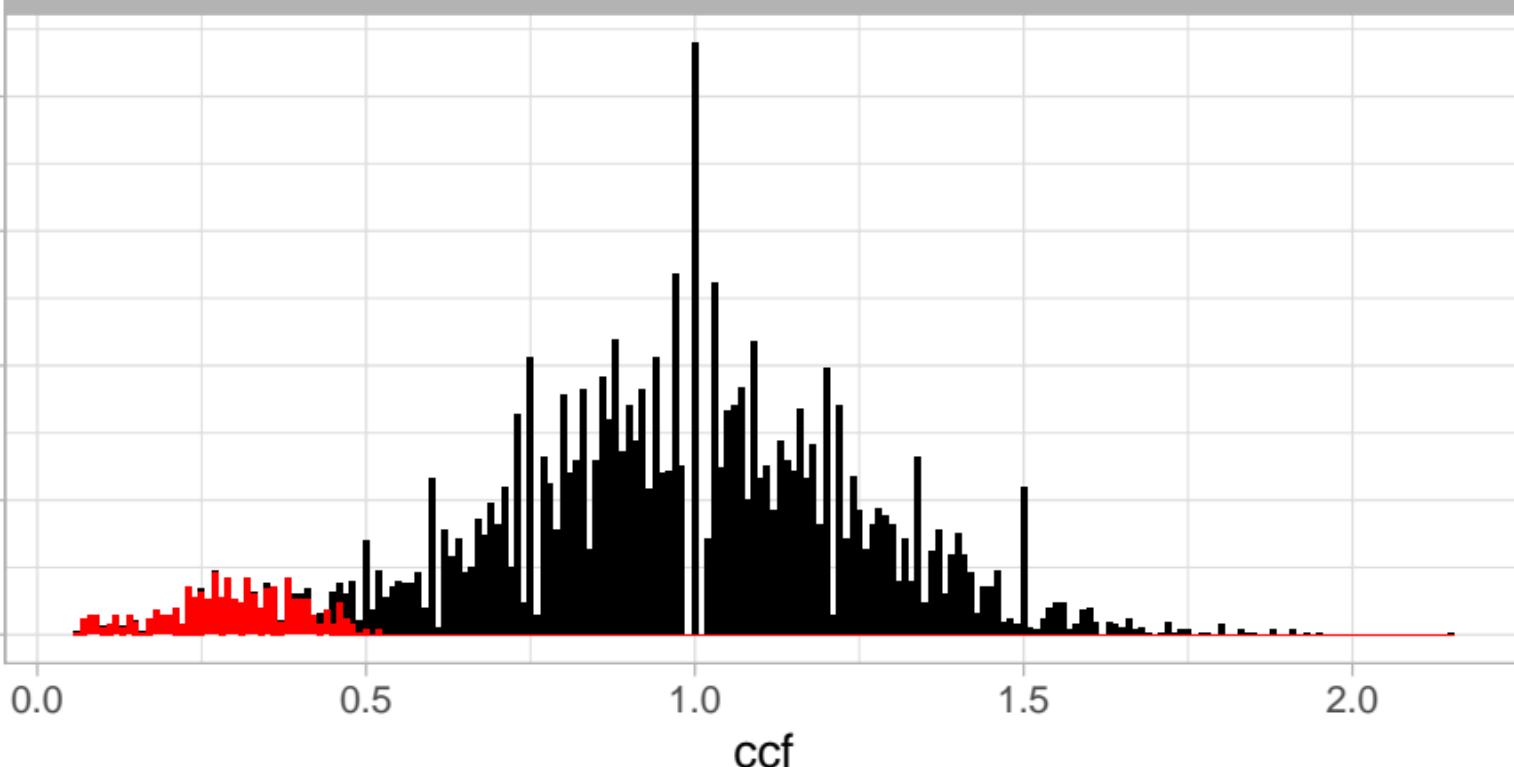
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA320878

count

150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA320848

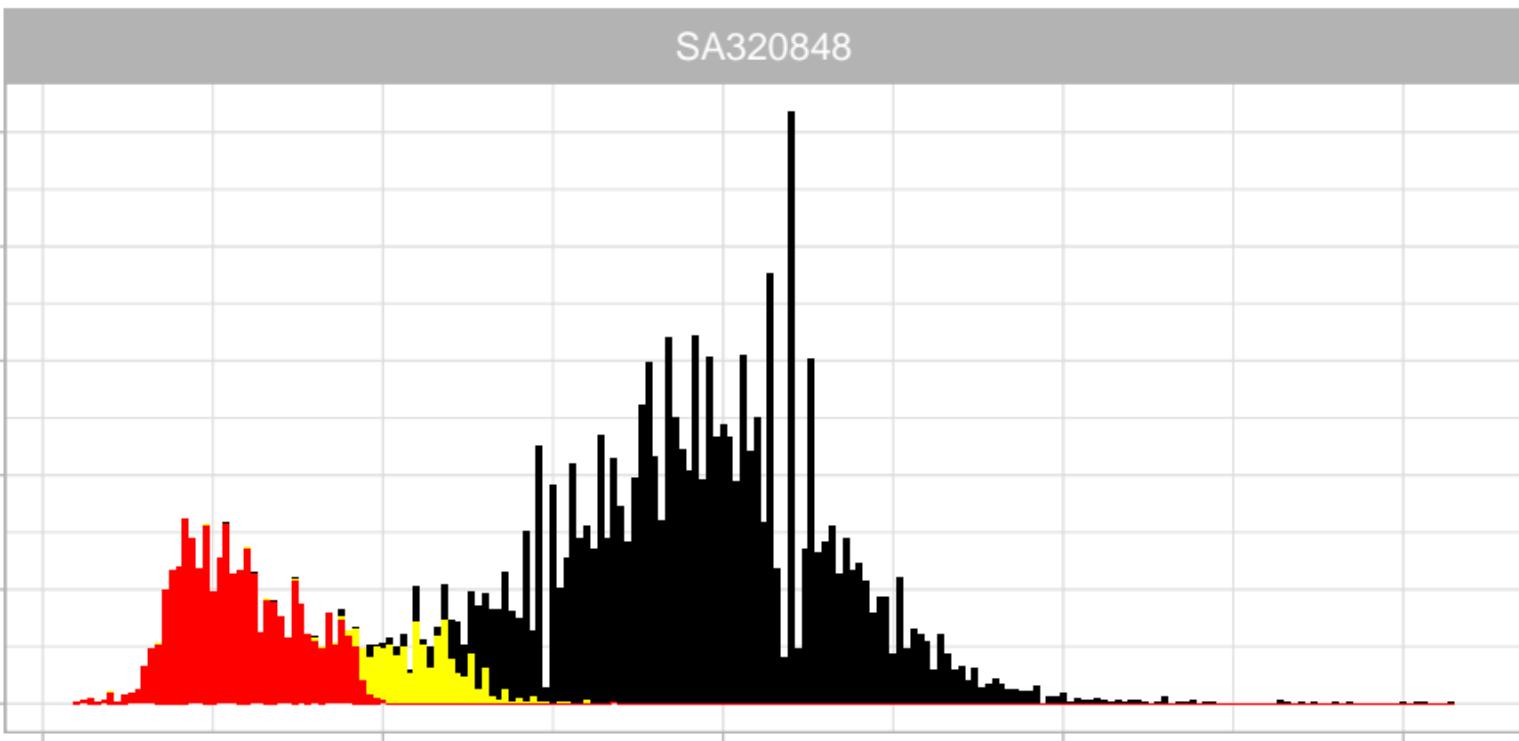
count

500
400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA501417

count

400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413698

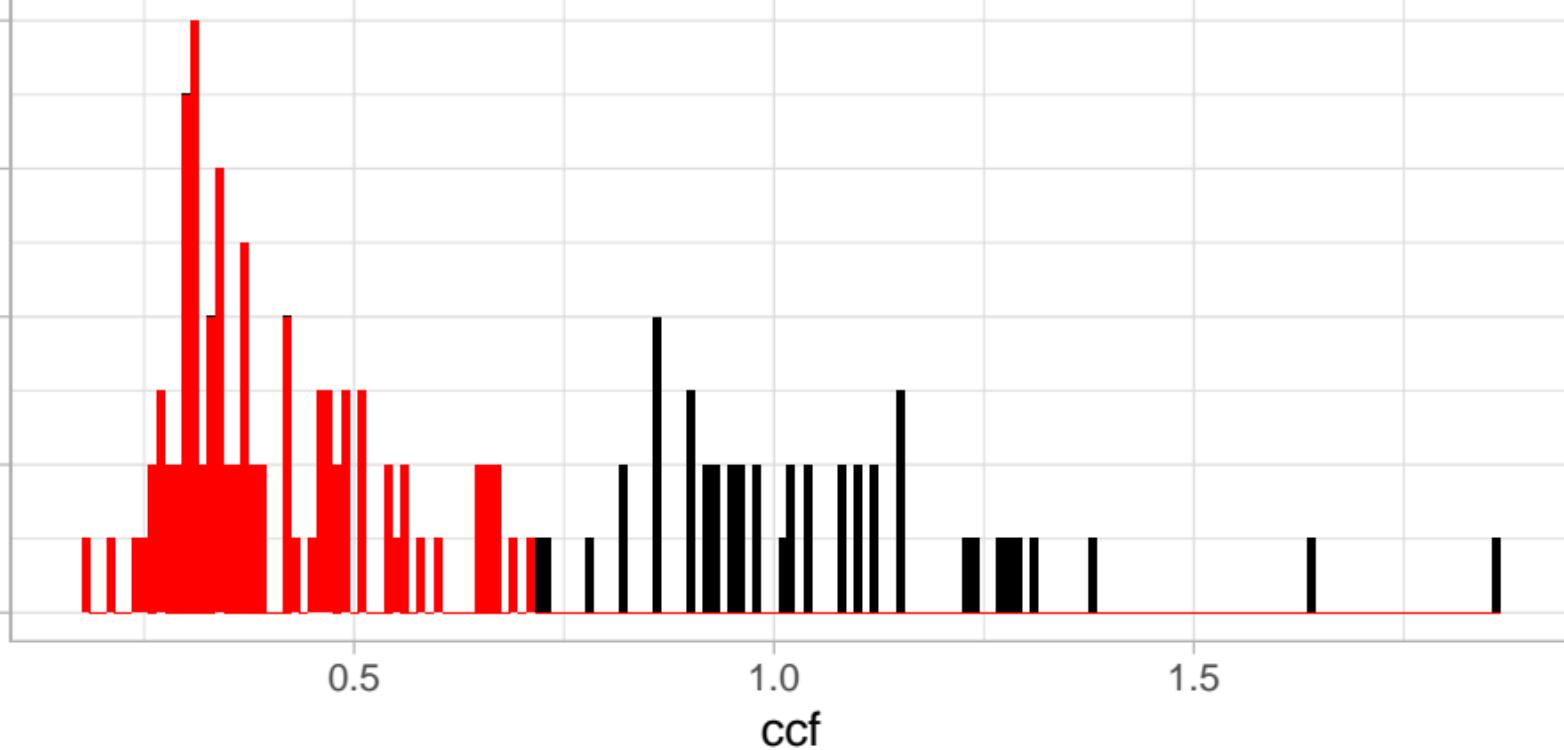
count

8
6
4
2
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA505754

count

150

100

50

0

0.0

0.5

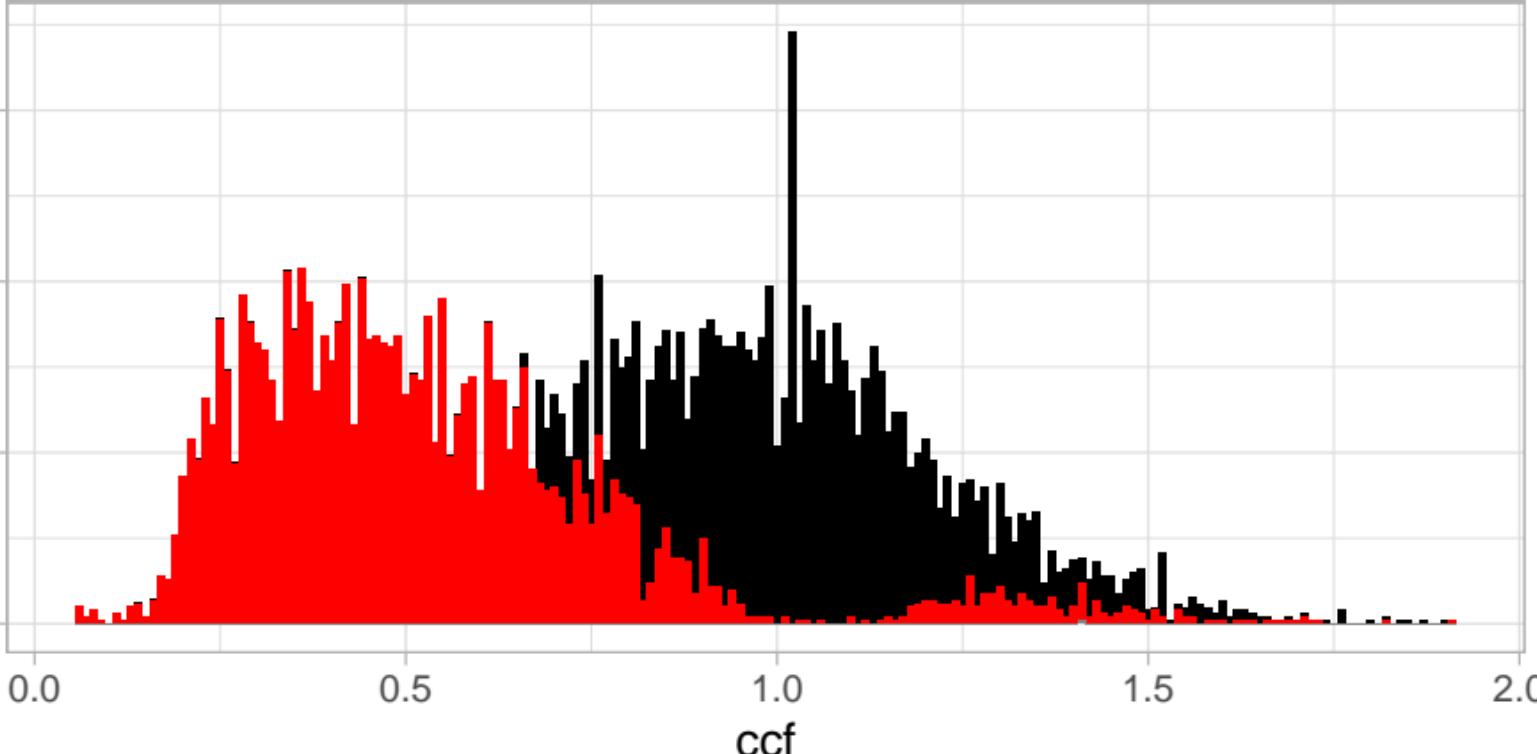
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA530582

count

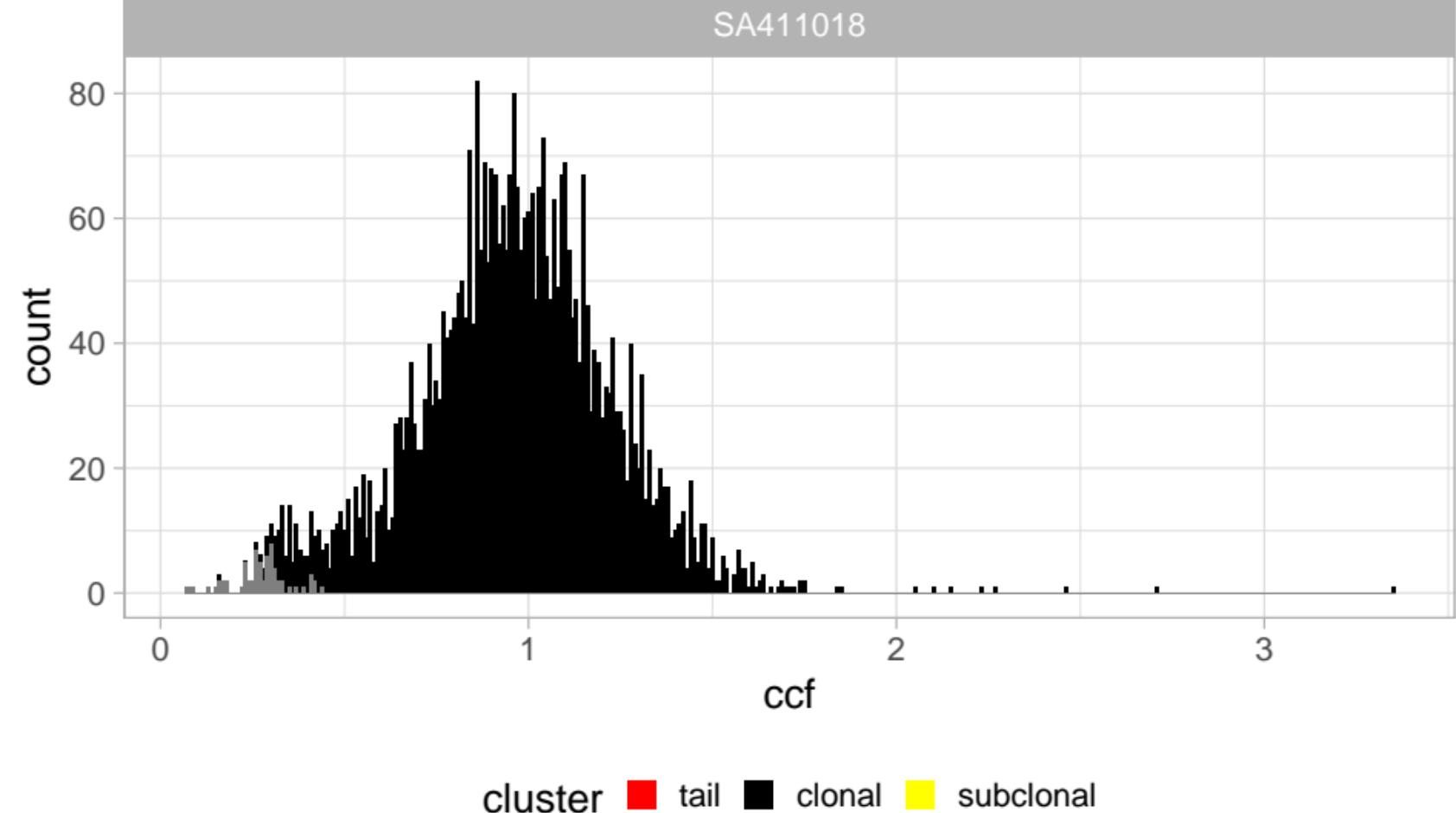
90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA411018



SA539002

count

100

50

0

0.0

0.5

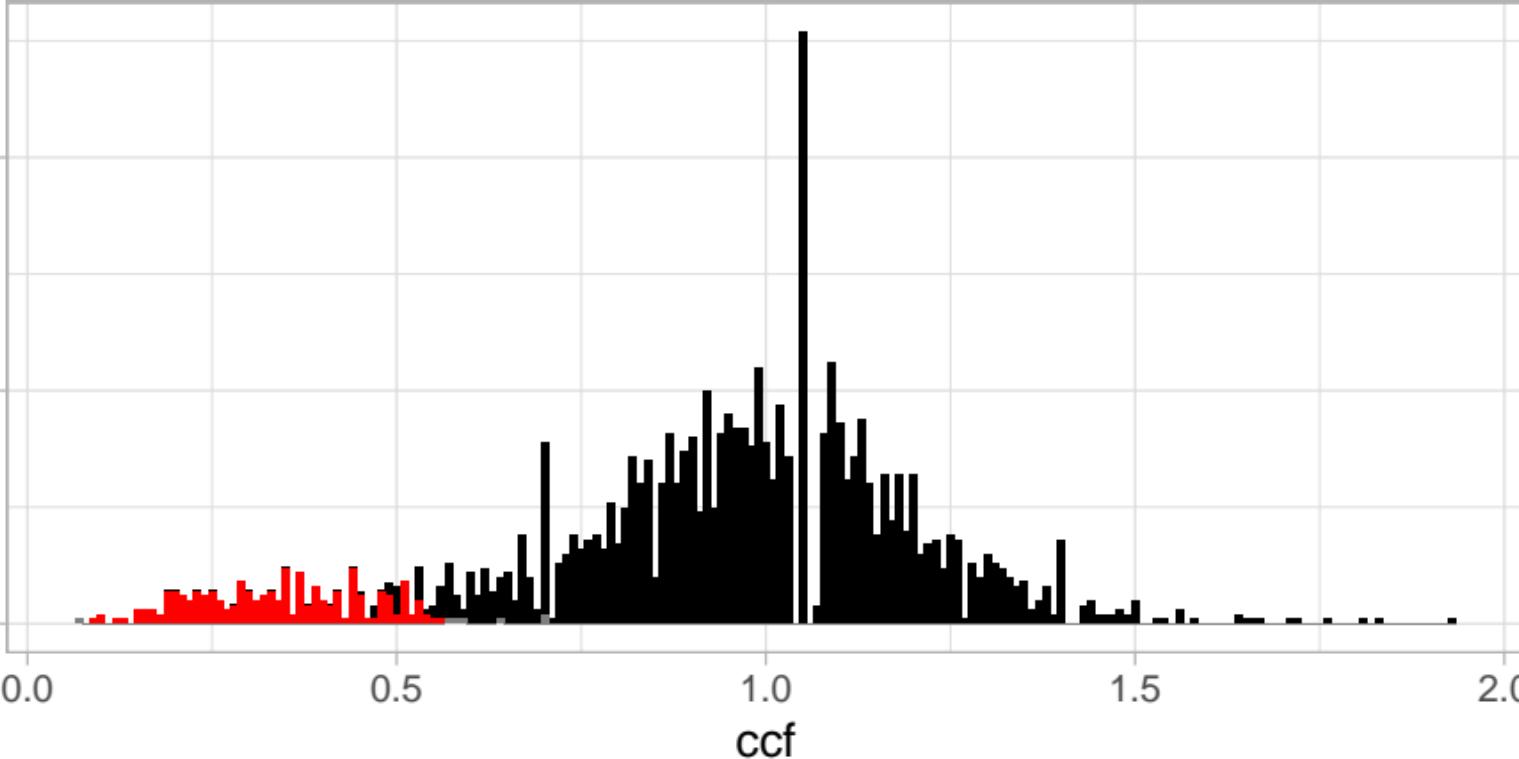
1.0

1.5

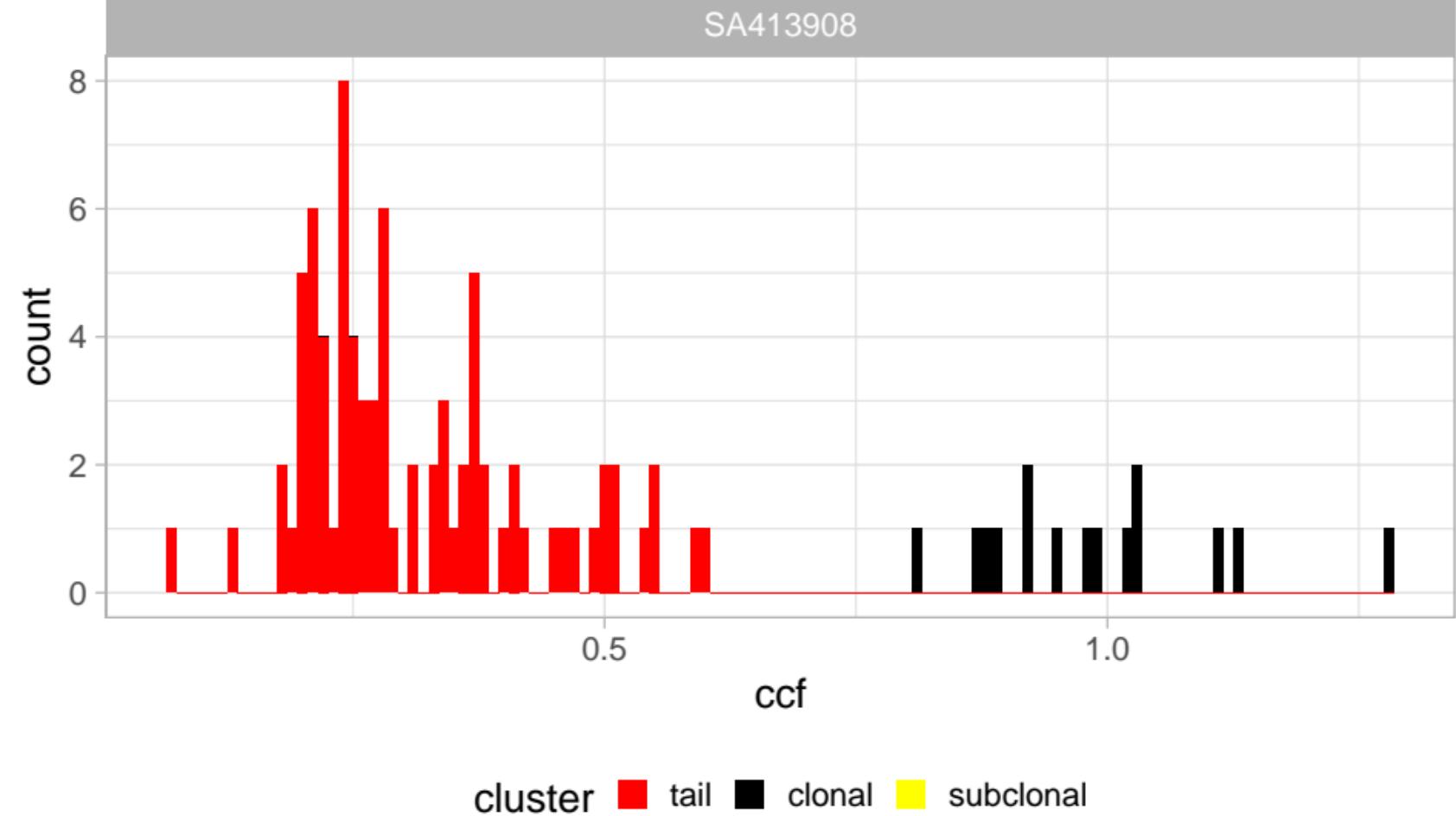
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA413908



SA541874

count

150

100

50

0

0.0

0.5

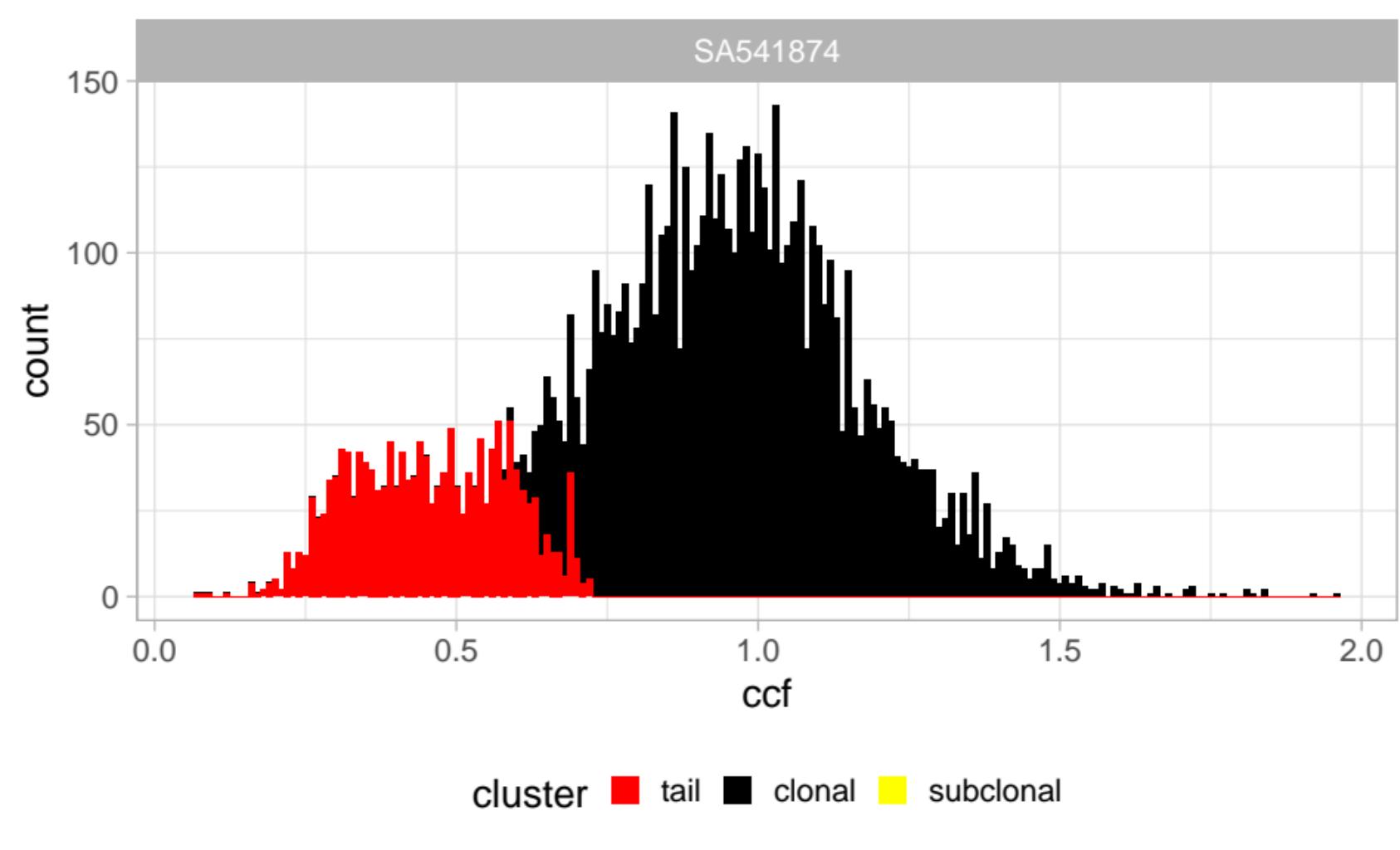
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA6760

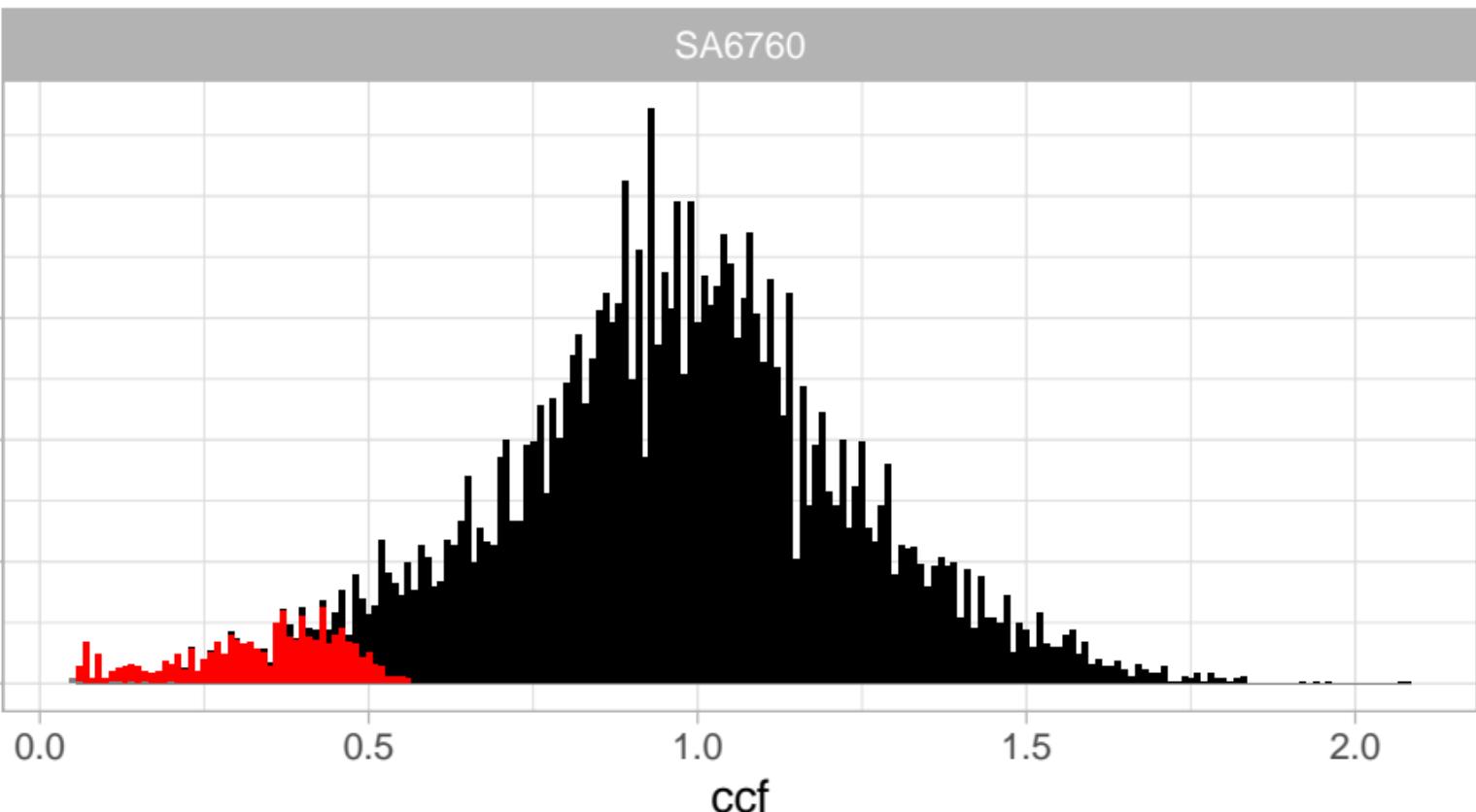
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

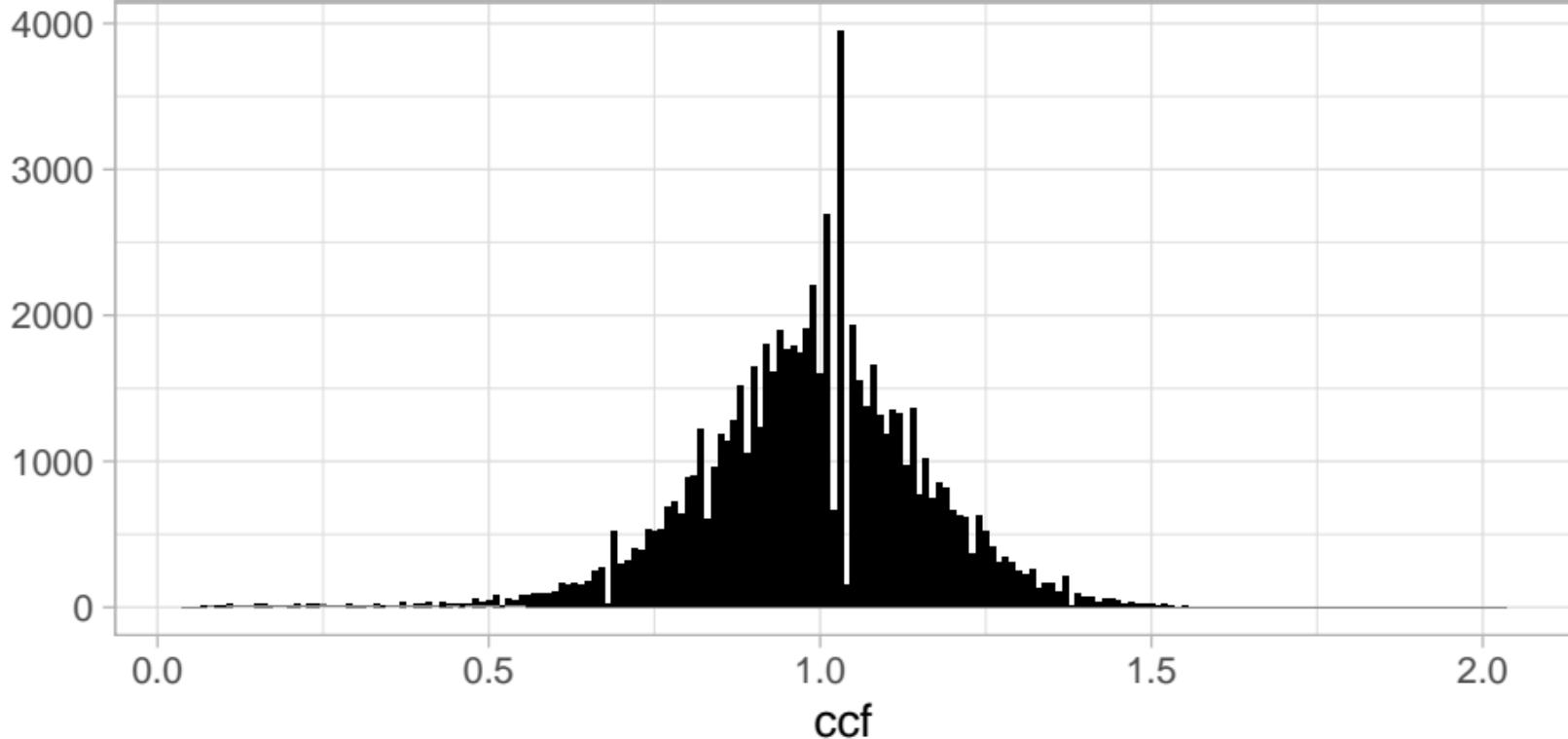
ccf

cluster tail clonal subclonal



SA557495

count



cluster ■ tail ■ clonal ■ subclonal

SA542199

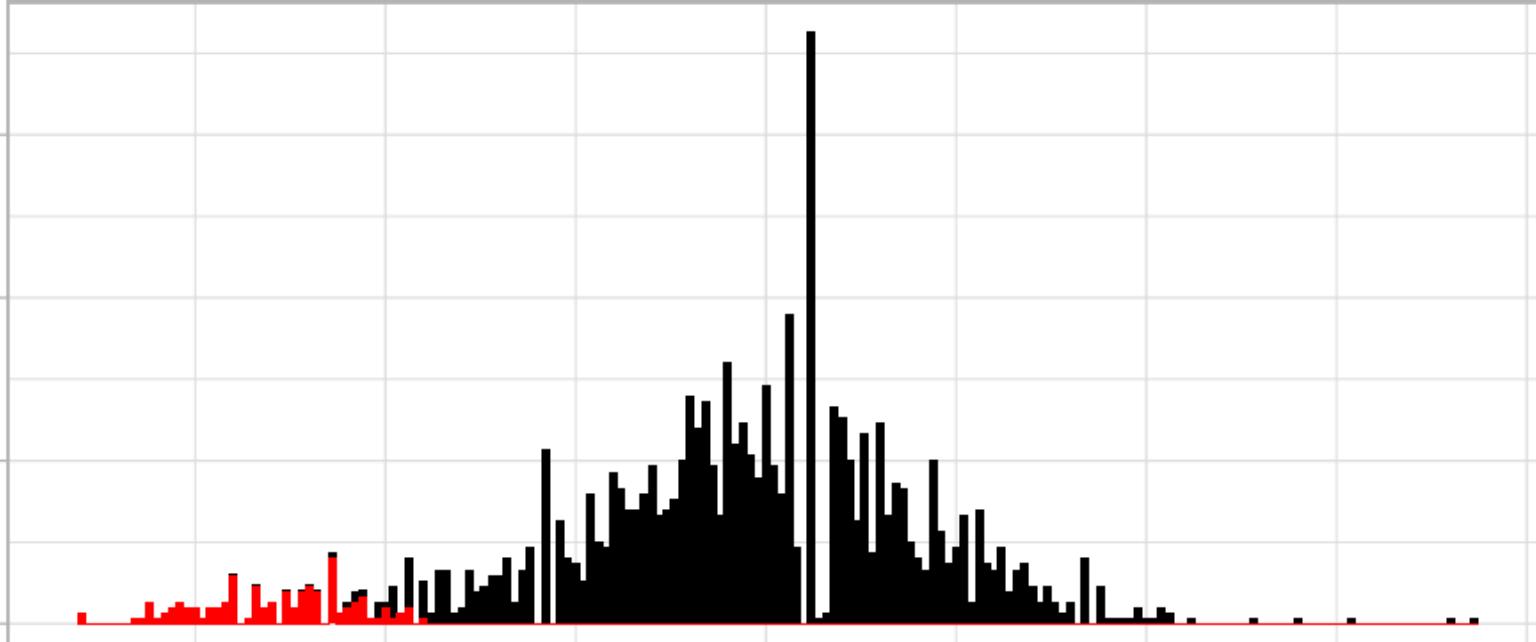
count

90
60
30
0

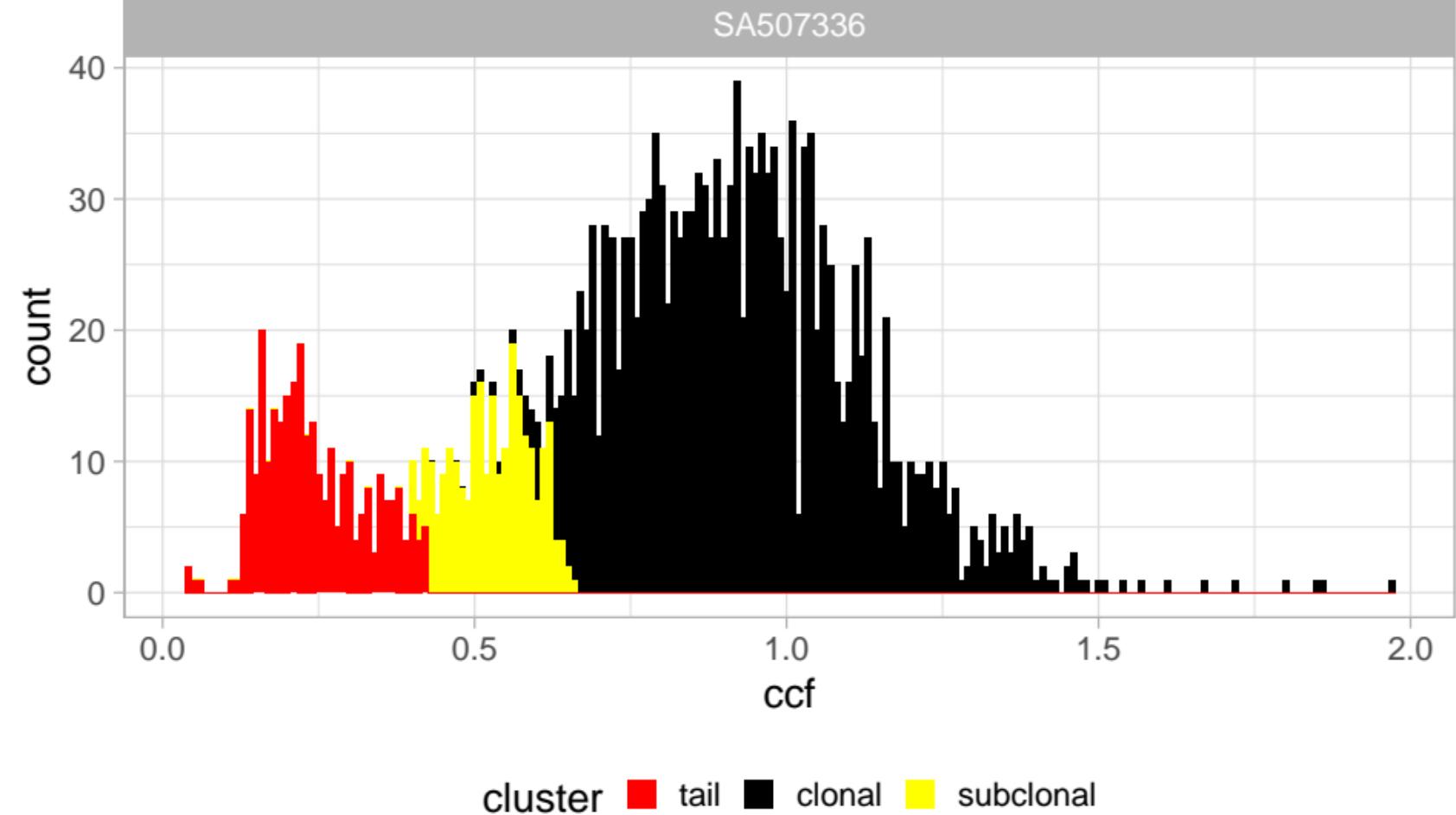
ccf

cluster tail clonal subclonal

0.5 1.0 1.5 2.0



SA507336



SA501526

count

400
200
0

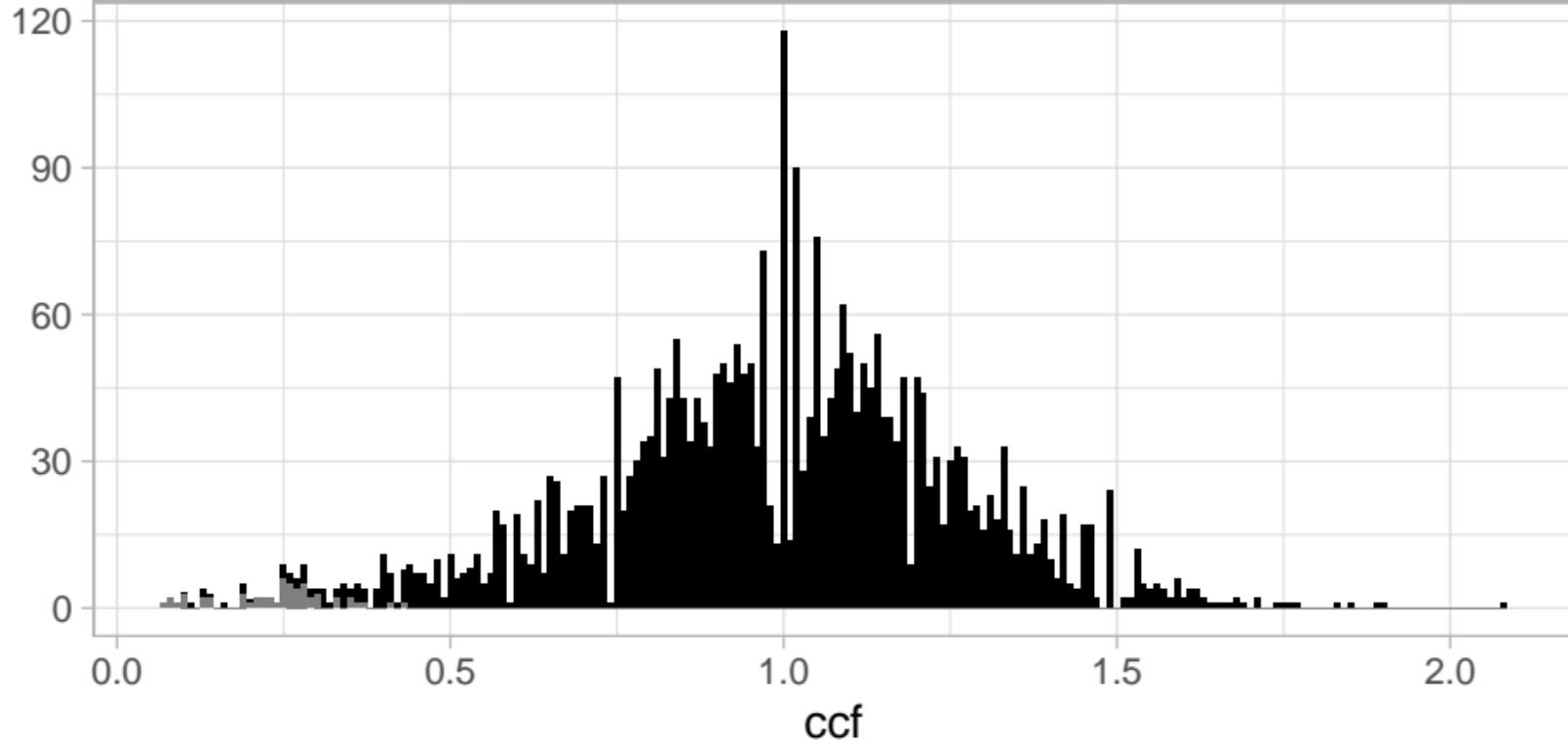
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA542058

count



cluster ■ tail ■ clonal ■ subclonal

SA413524

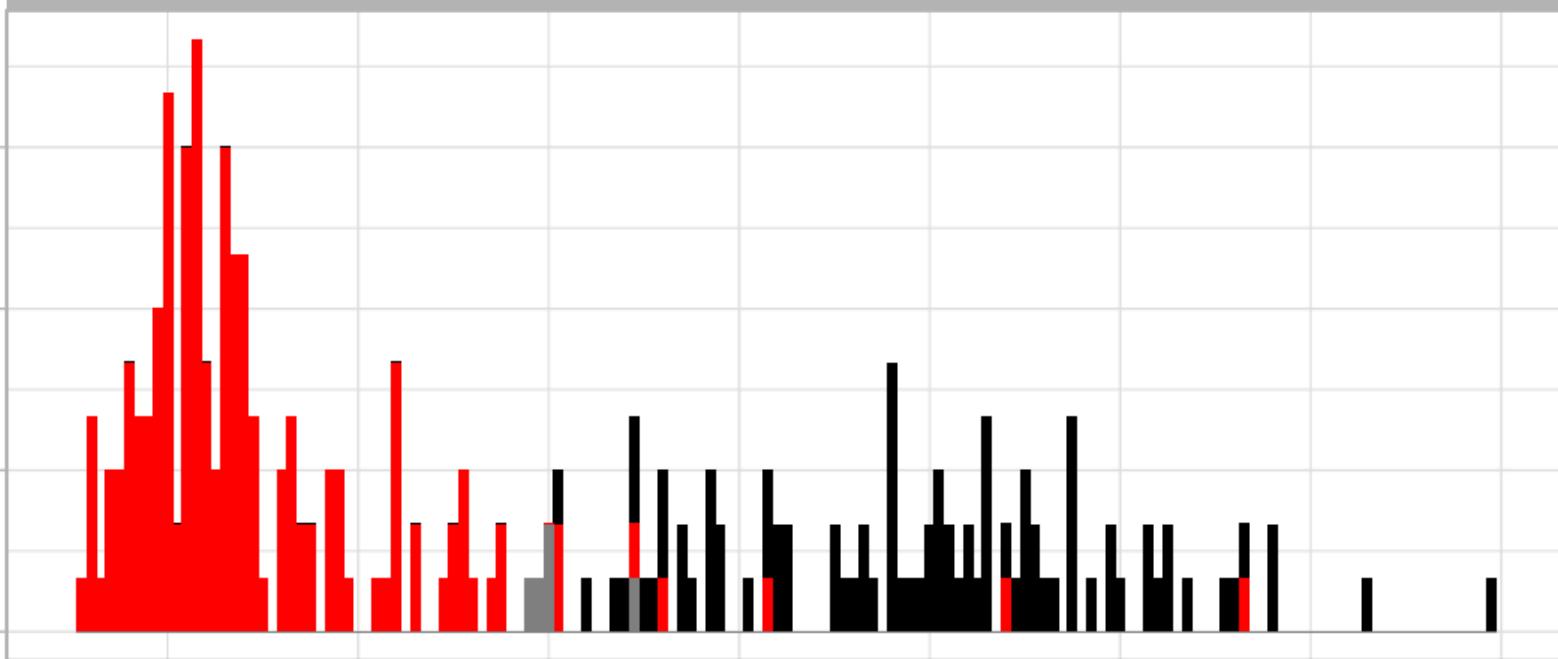
count

9
6
3
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA528881

count

200
100
0

0

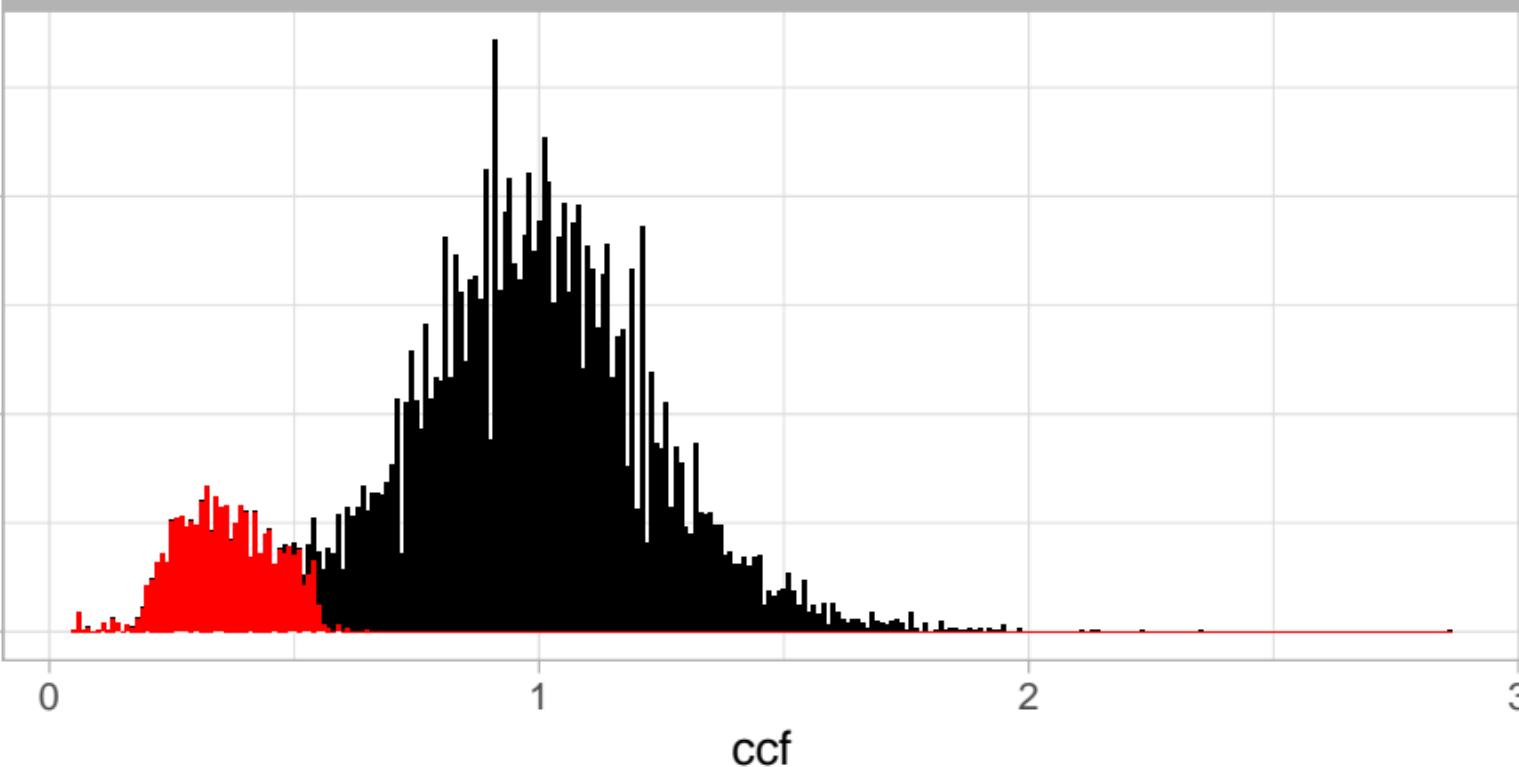
1

2

3

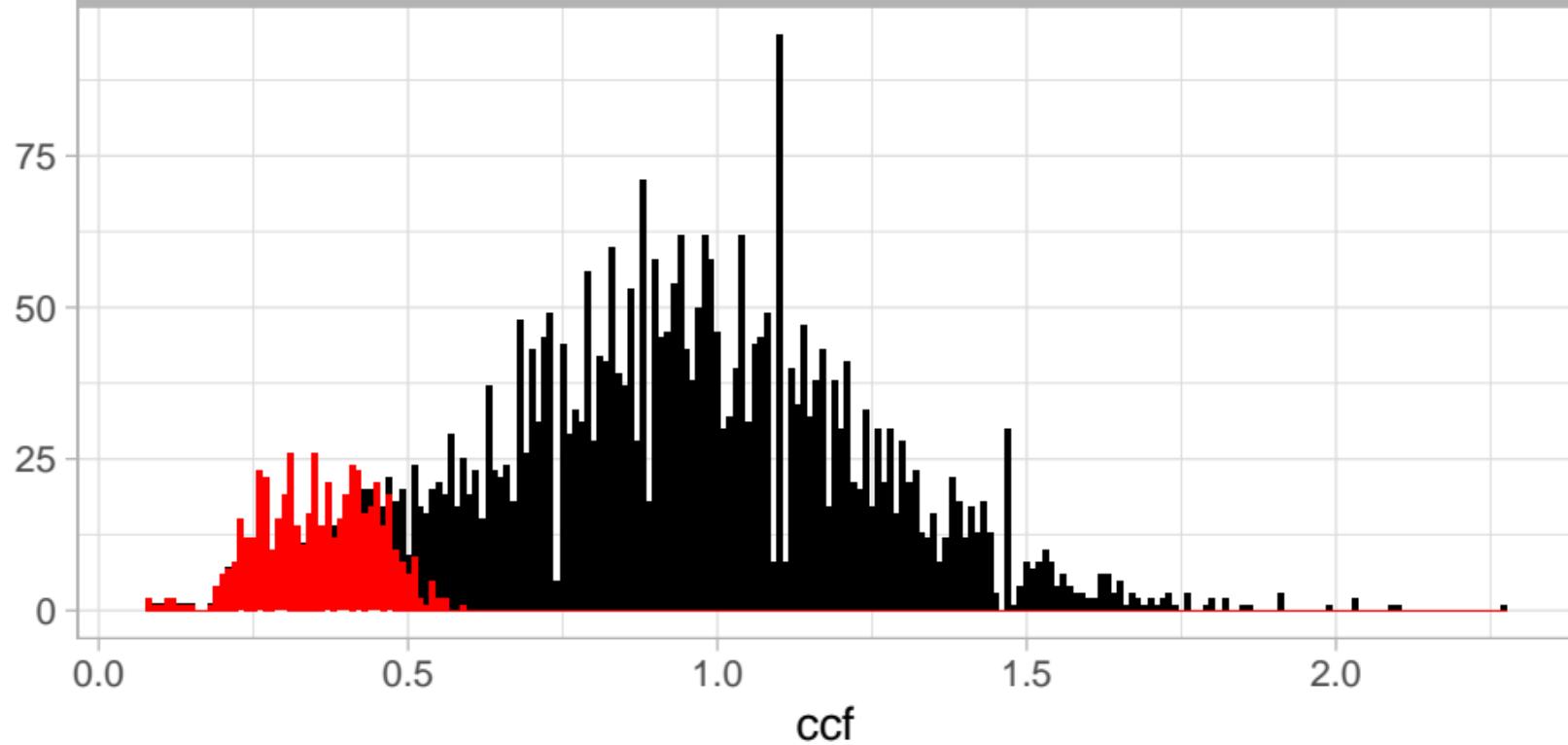
ccf

cluster ■ tail ■ clonal ■ subclonal



SA507312

count



cluster ■ tail ■ clonal ■ subclonal

SA6131

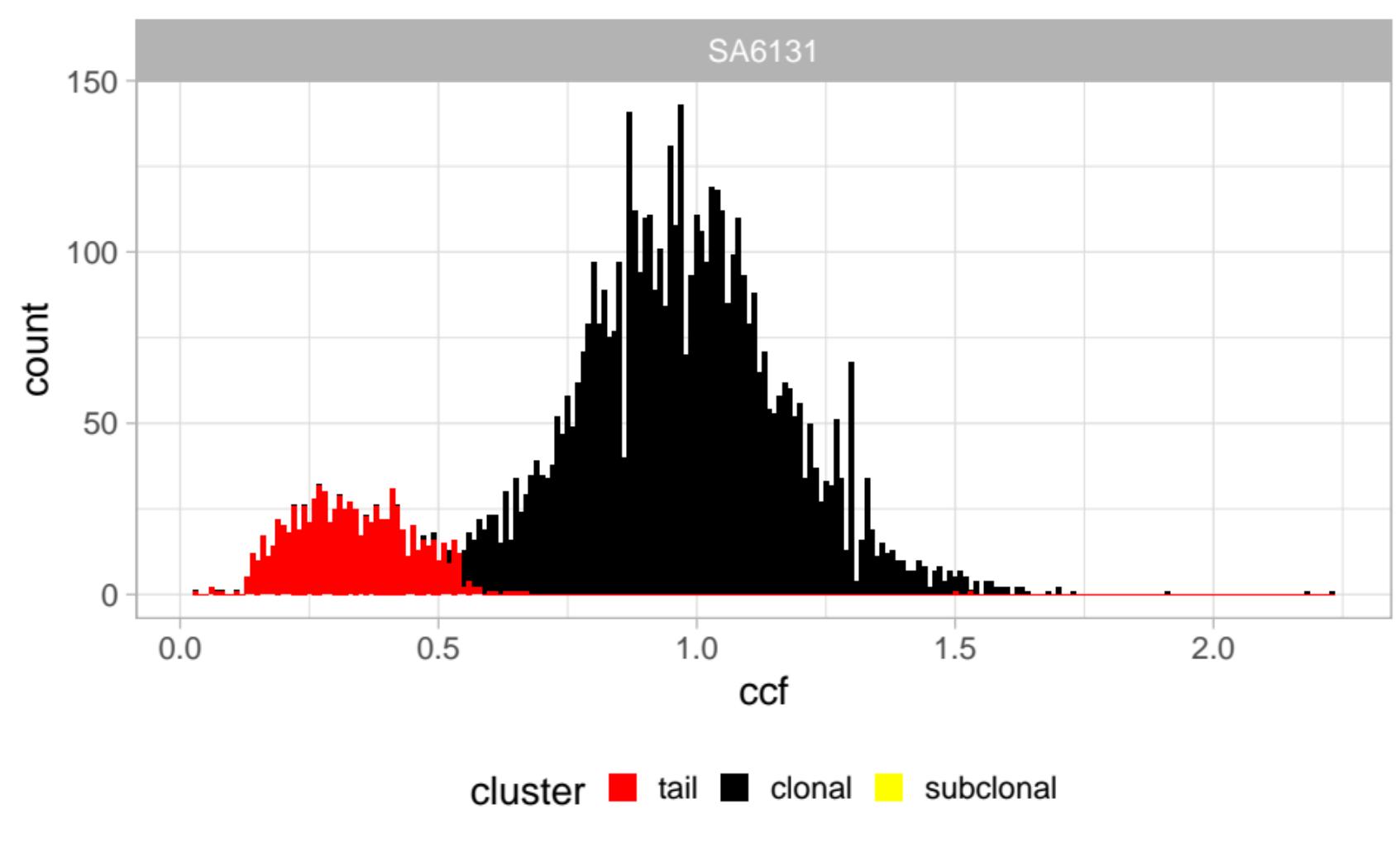
count

150
100
50
0

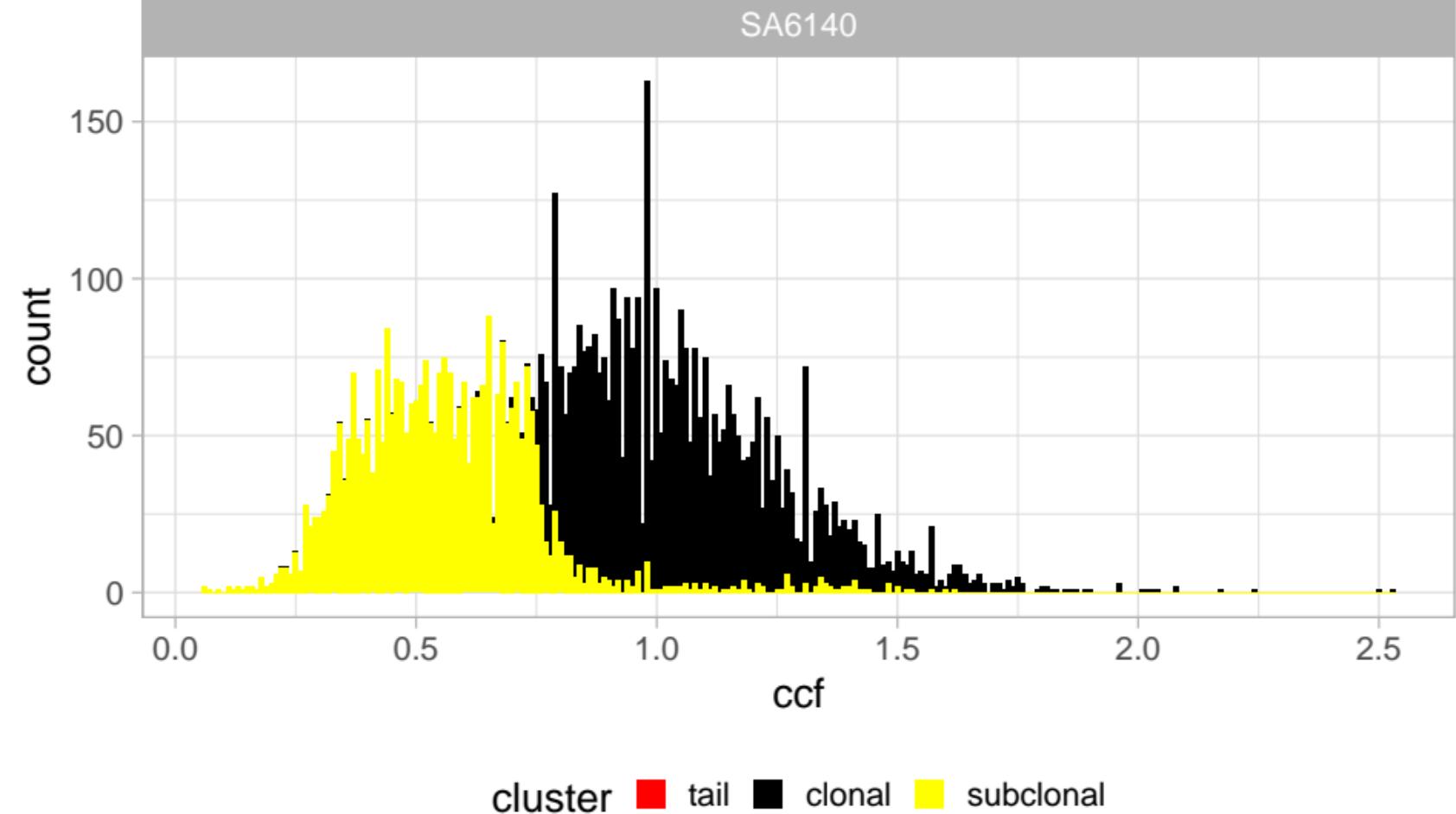
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA6140



SA413634

count

10.0
7.5
5.0
2.5
0.0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster ■ tail ■ clonal ■ subclonal

SA528925

count

500
400
300
200
100
0

0

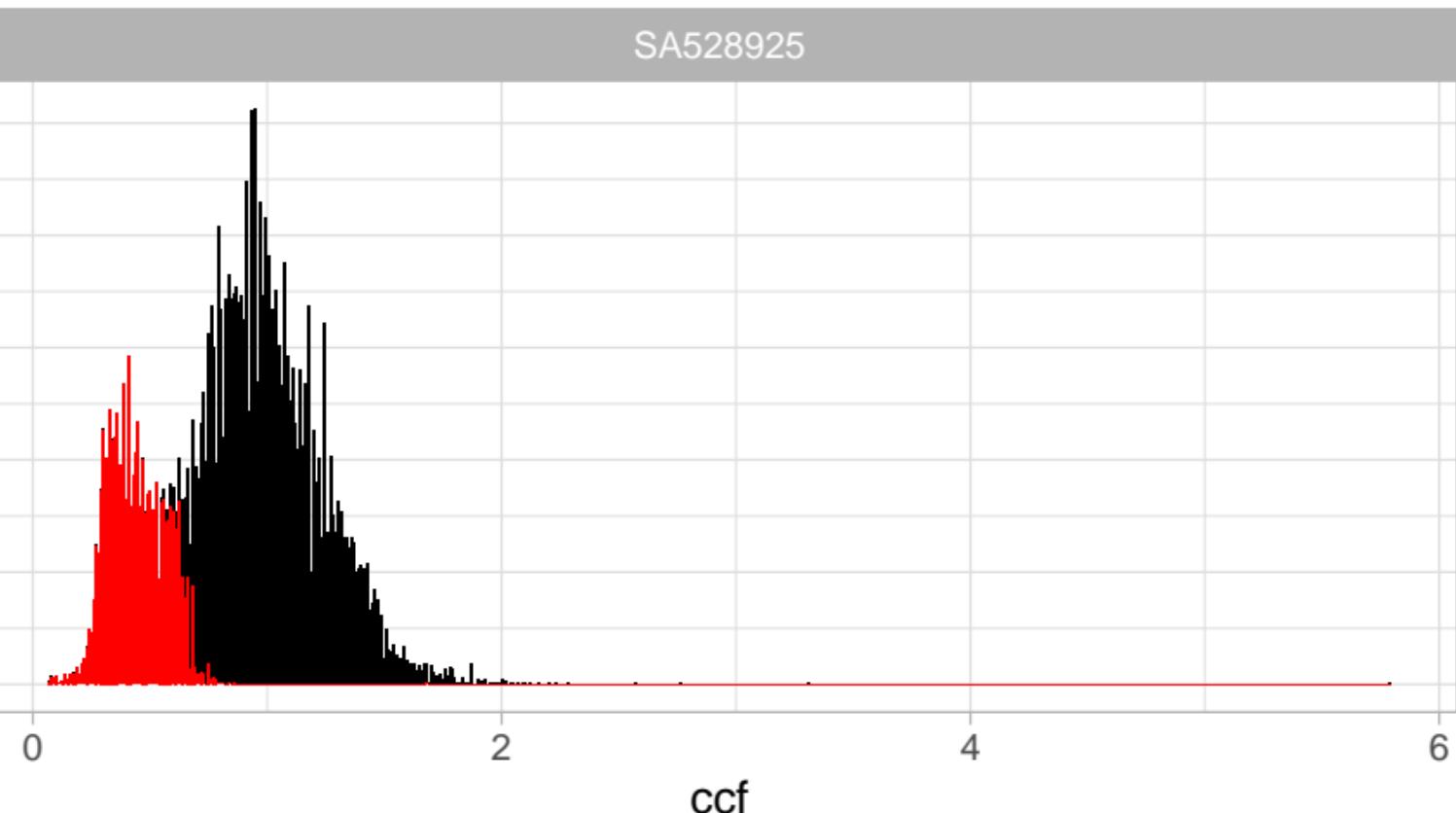
2

4

6

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533703

count

200
100
0

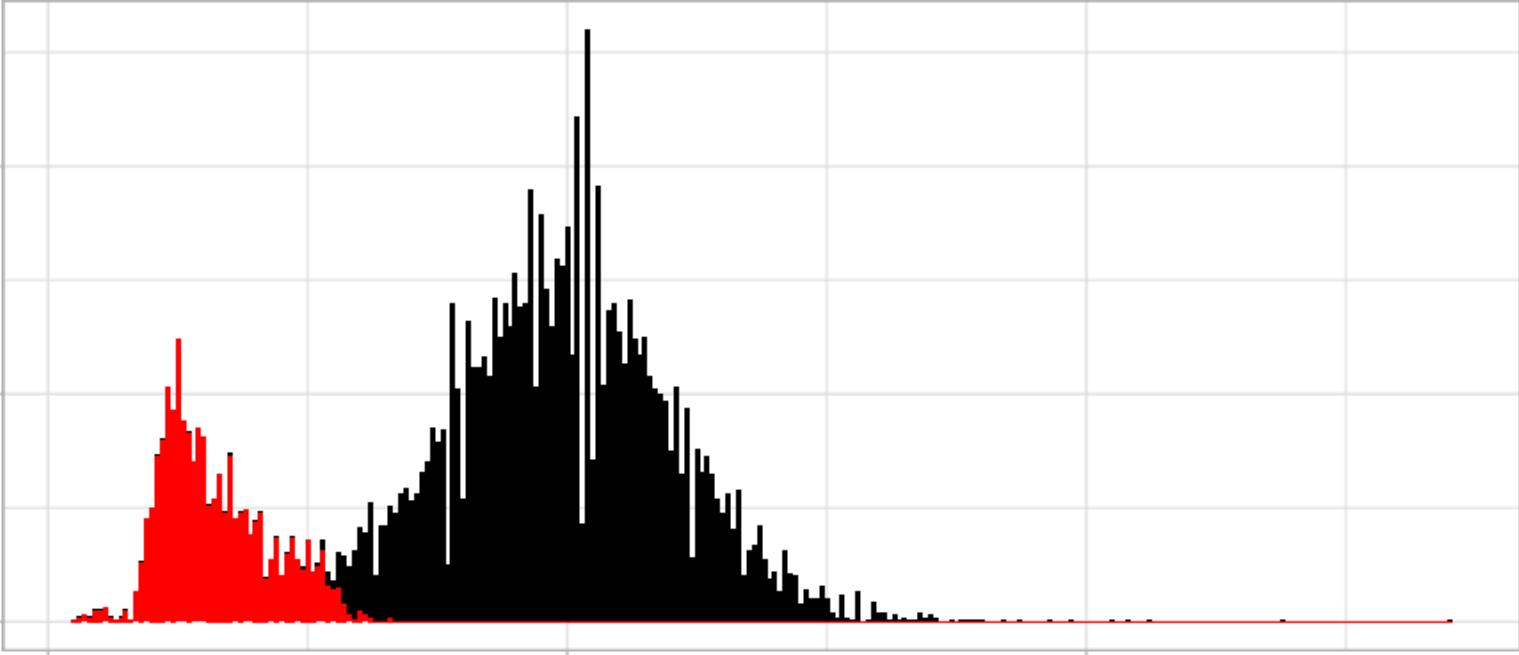
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA533642

count

150
100
50
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA518850

count

100

50

0

0.0

0.5

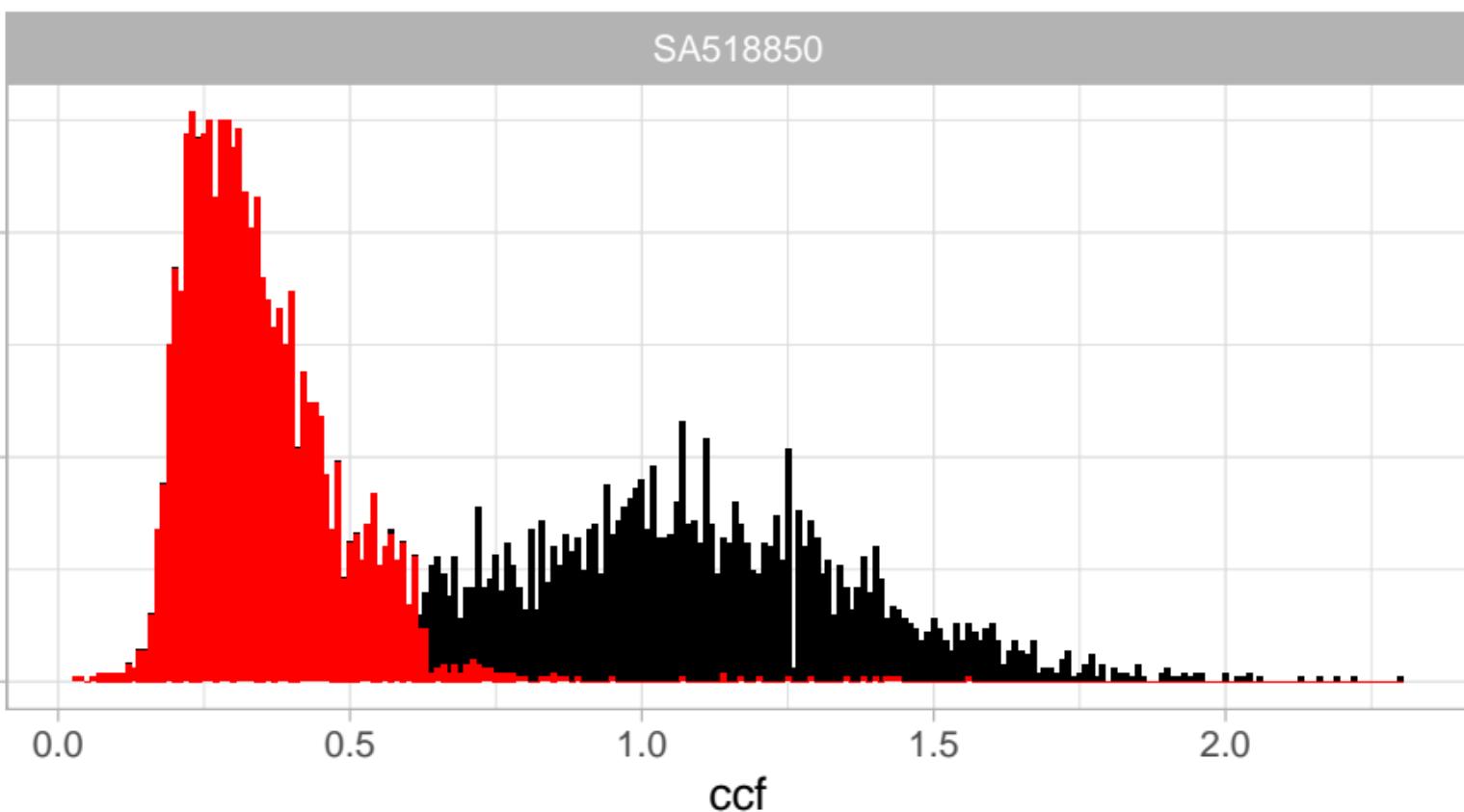
1.0

1.5

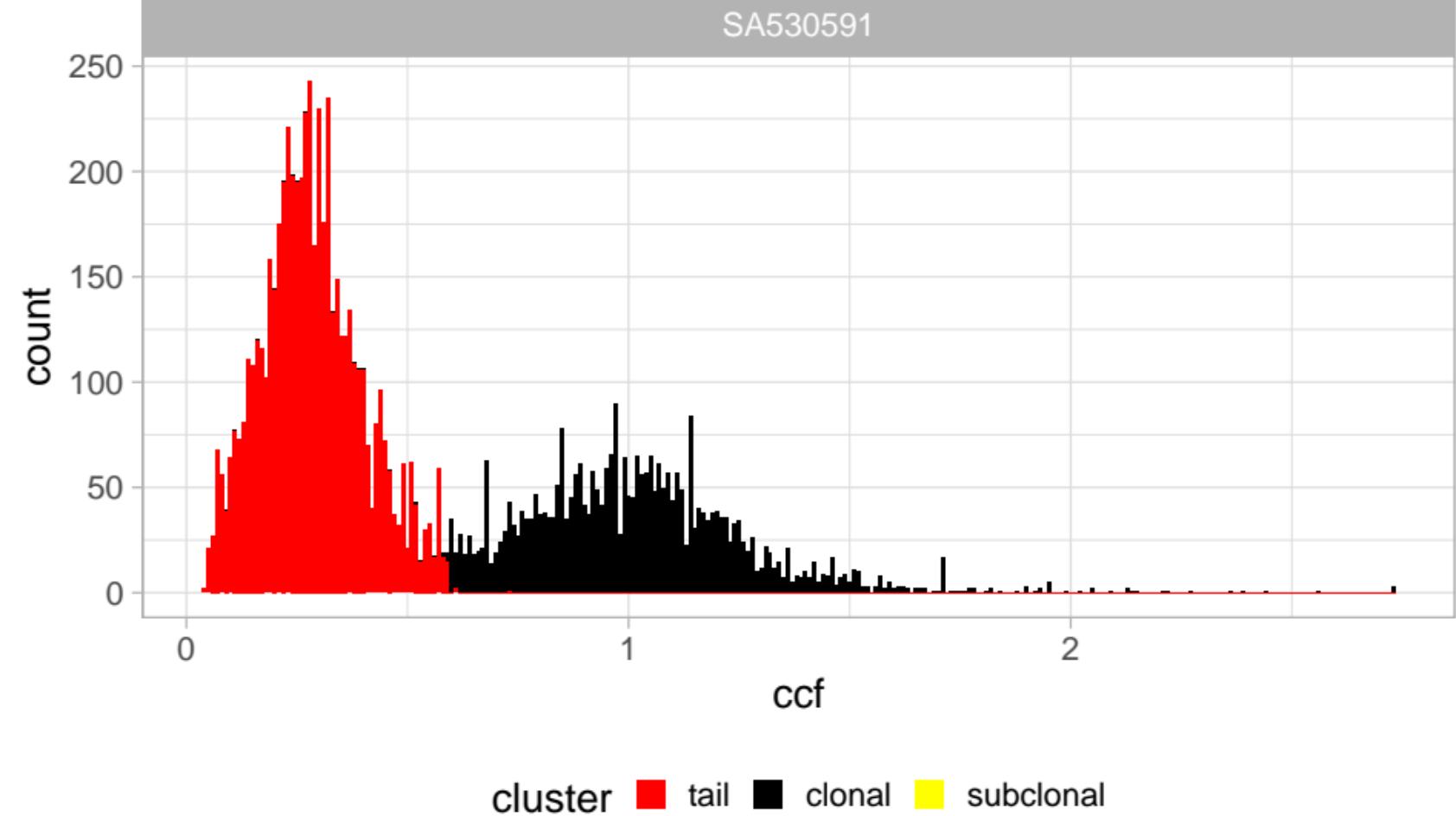
2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA530591



SA542207

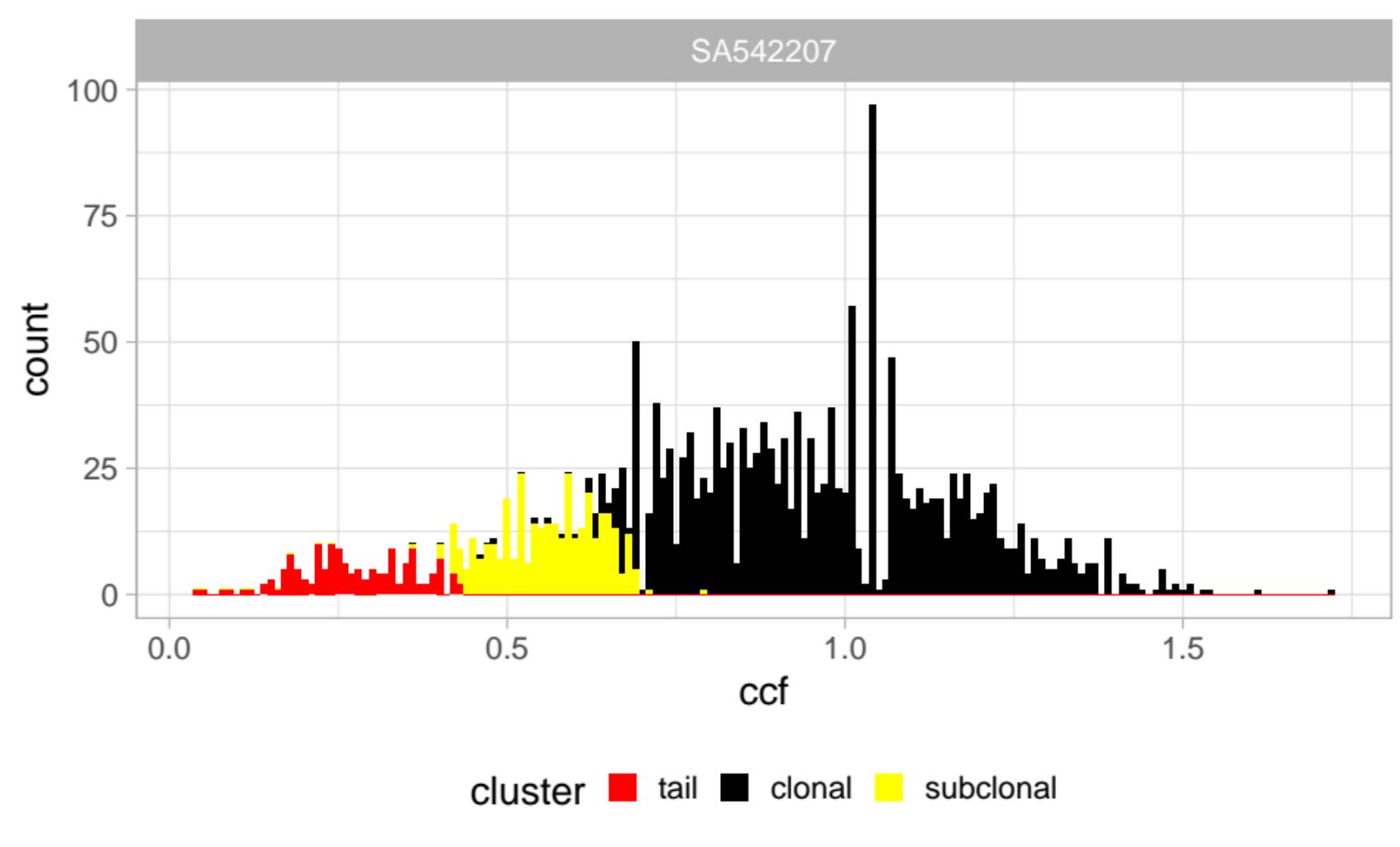
count

100
75
50
25
0

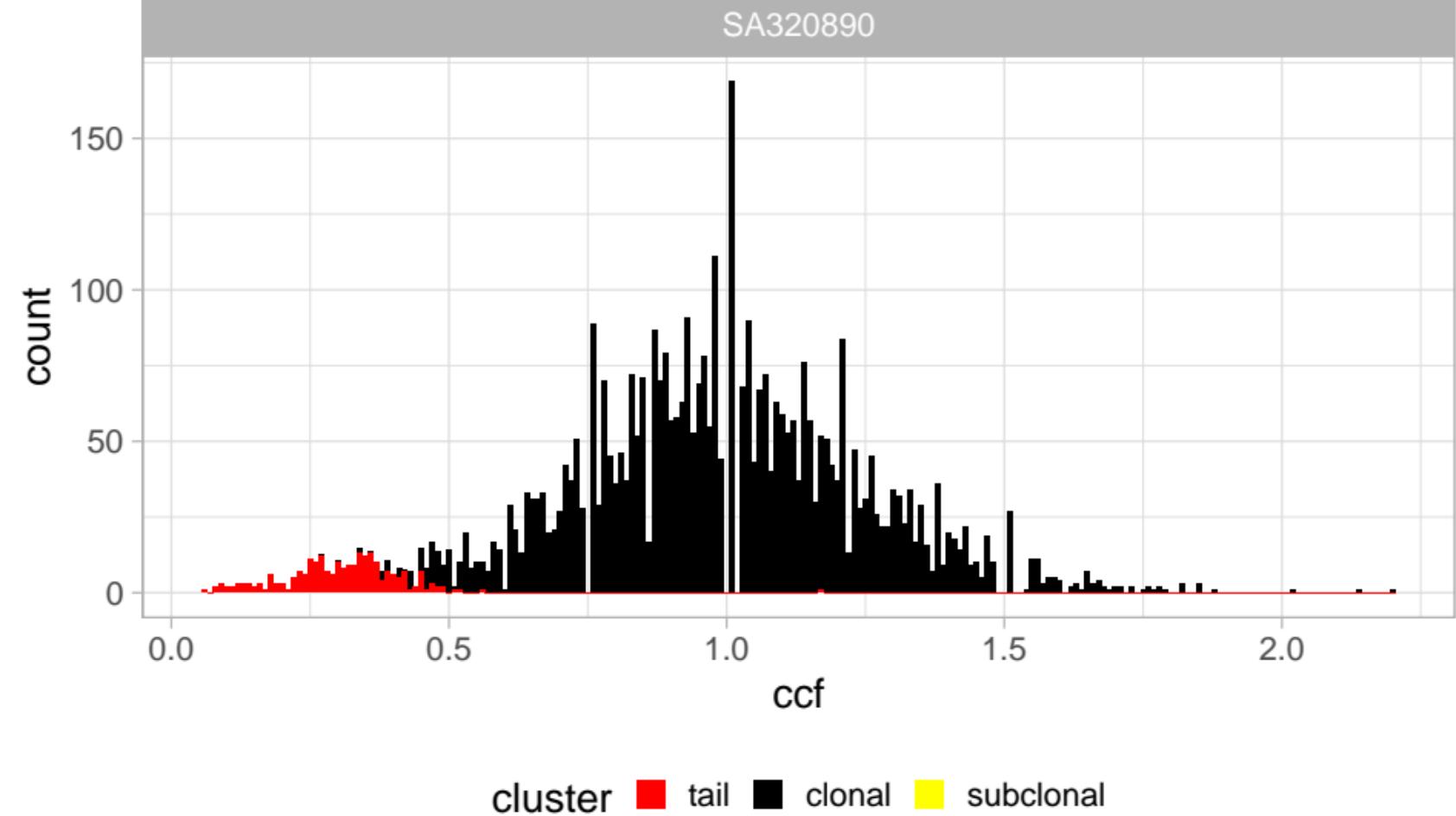
0.0 0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA320890



SA130901

count

200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA505919

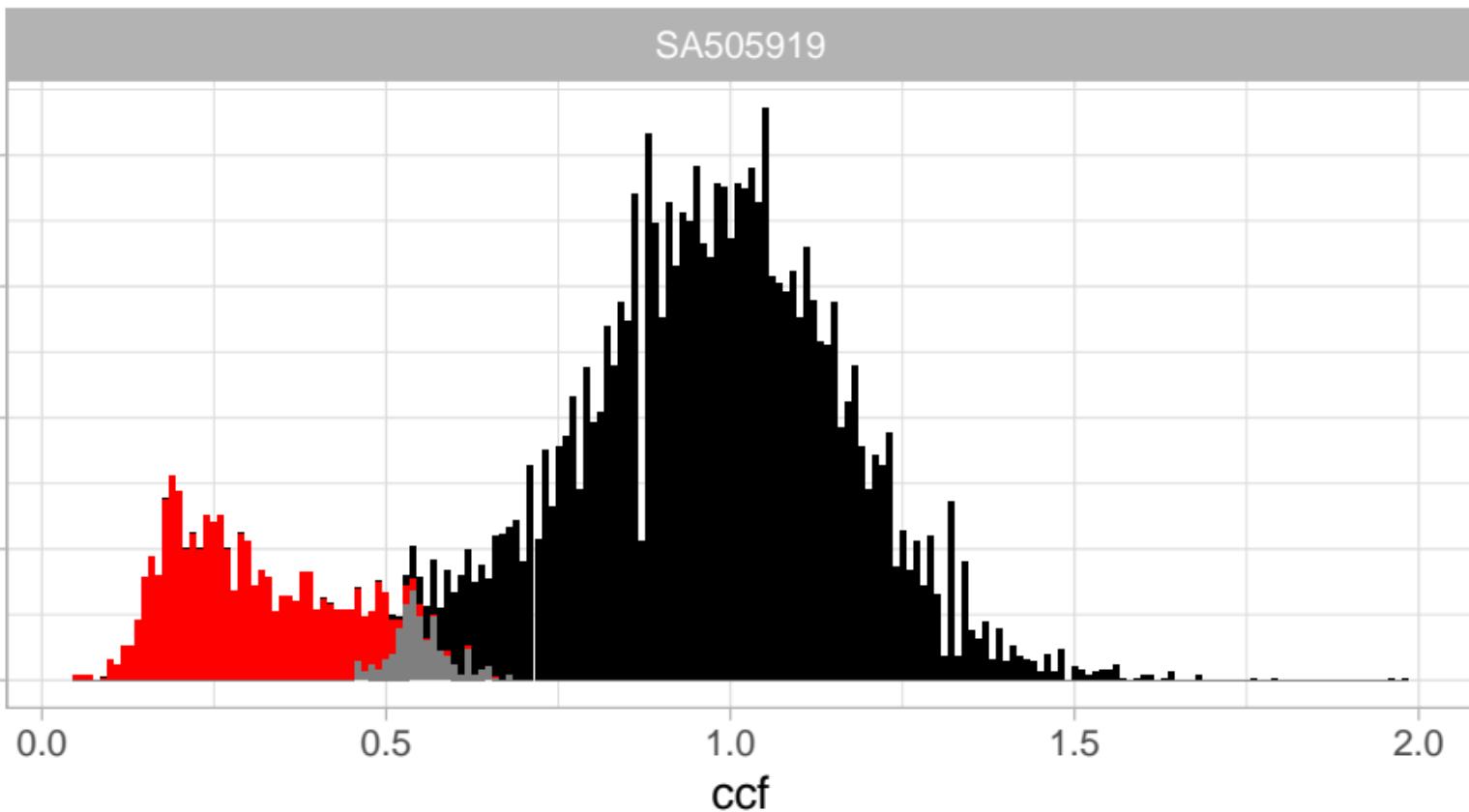
count

200
150
100
50
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA270464

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA530527

count

300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA413552

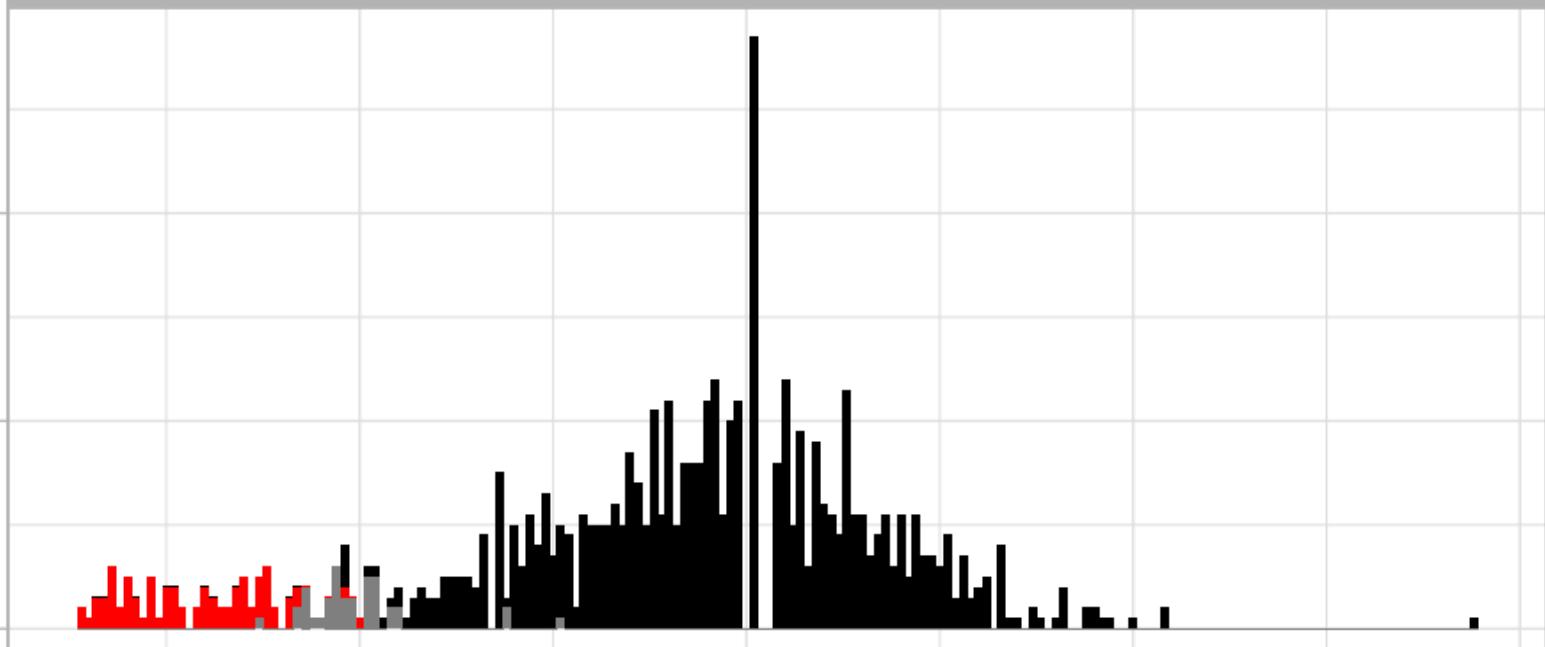
count

40
20
0

1.0
ccf

0.5 1.0 1.5 2.0

cluster tail clonal subclonal



SA505244

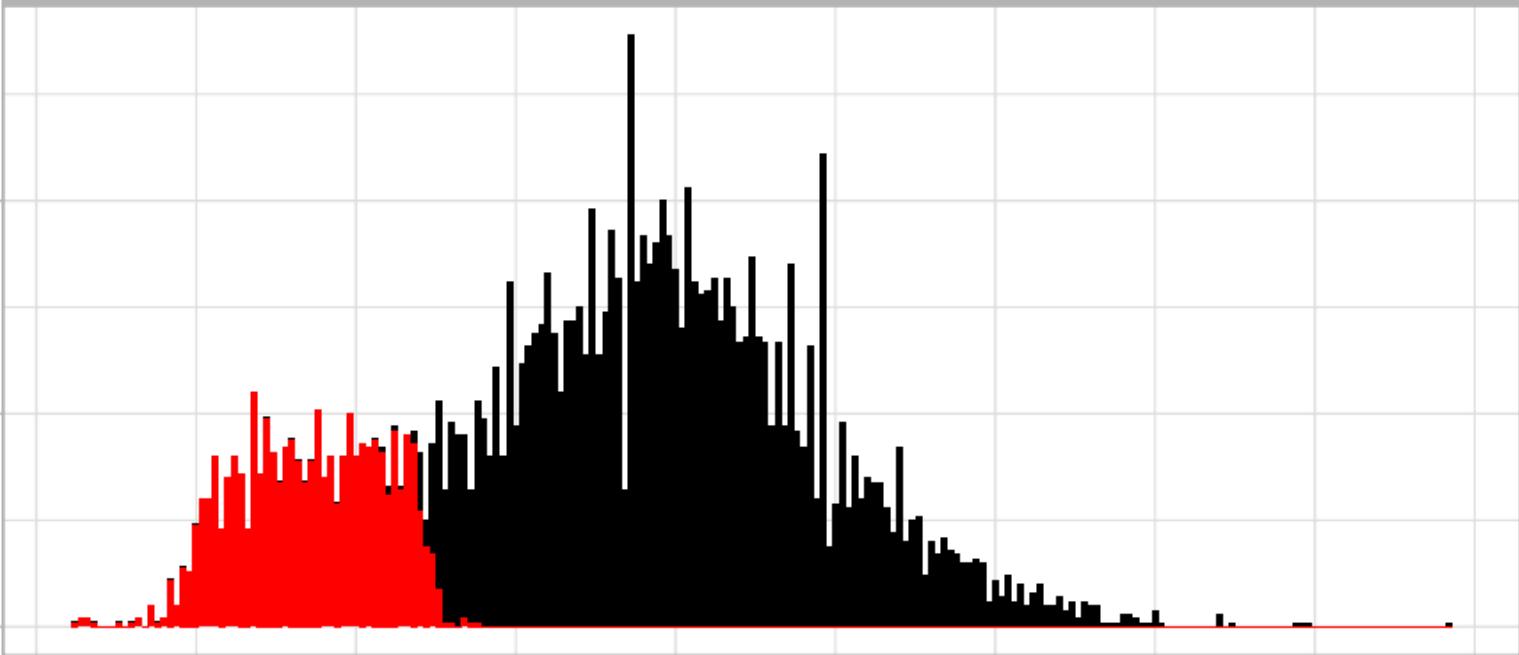
count

100
50
0

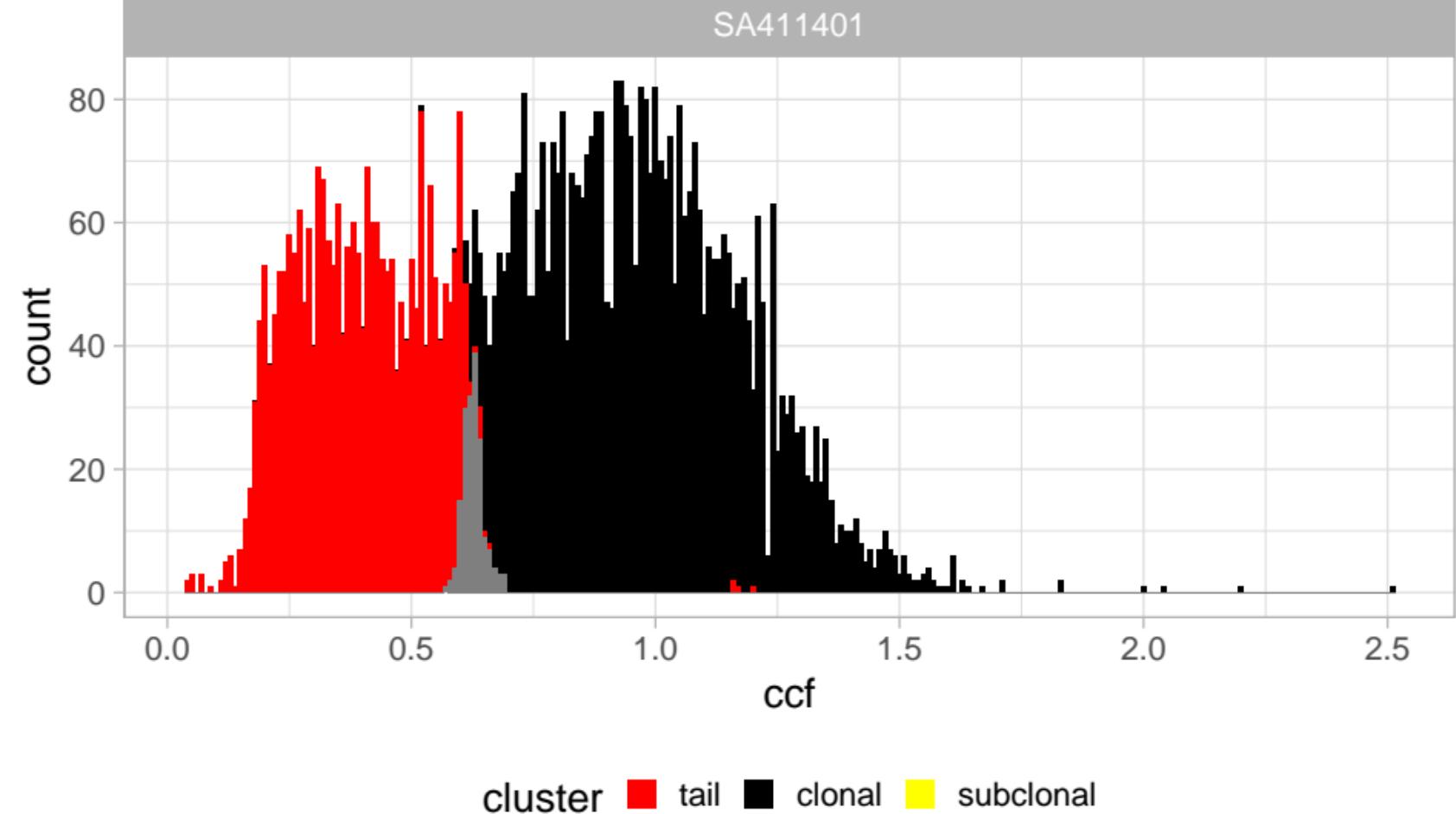
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA411401



SA542695

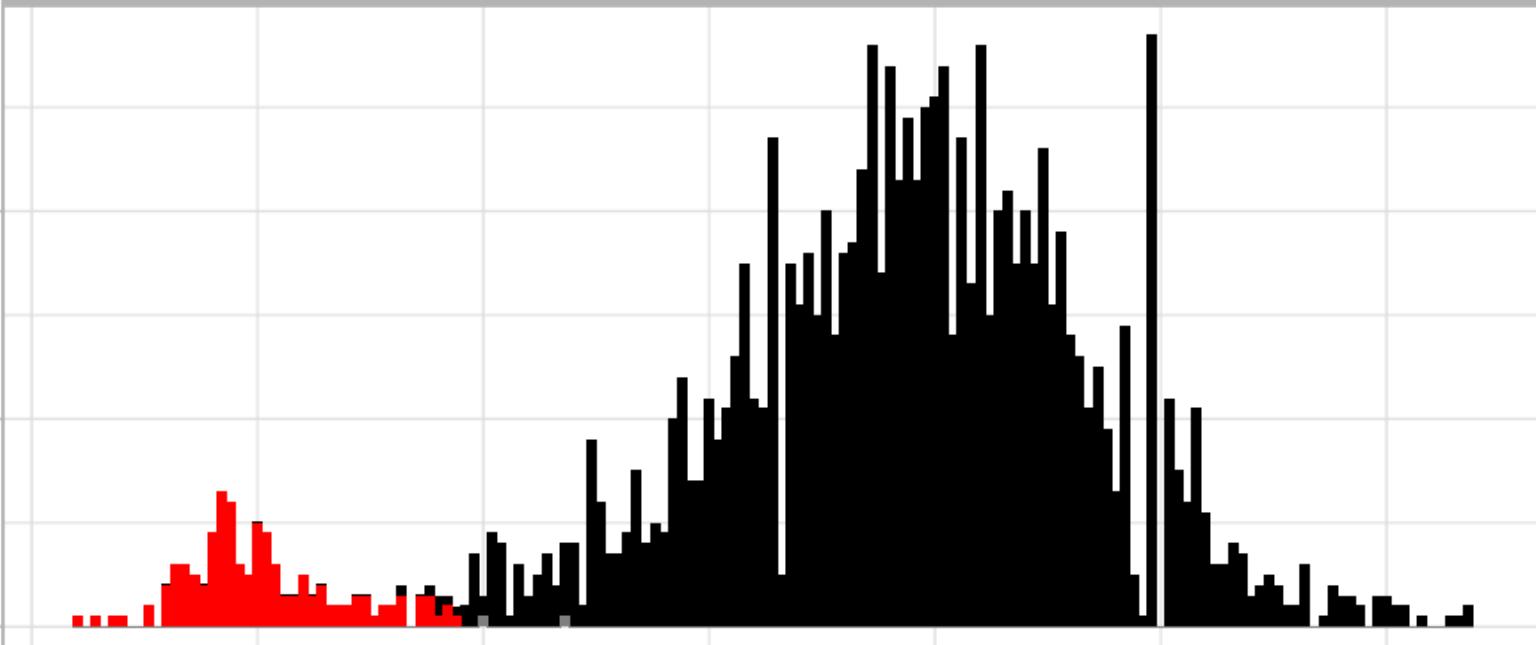
count

40
20
0

0.0 0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542920

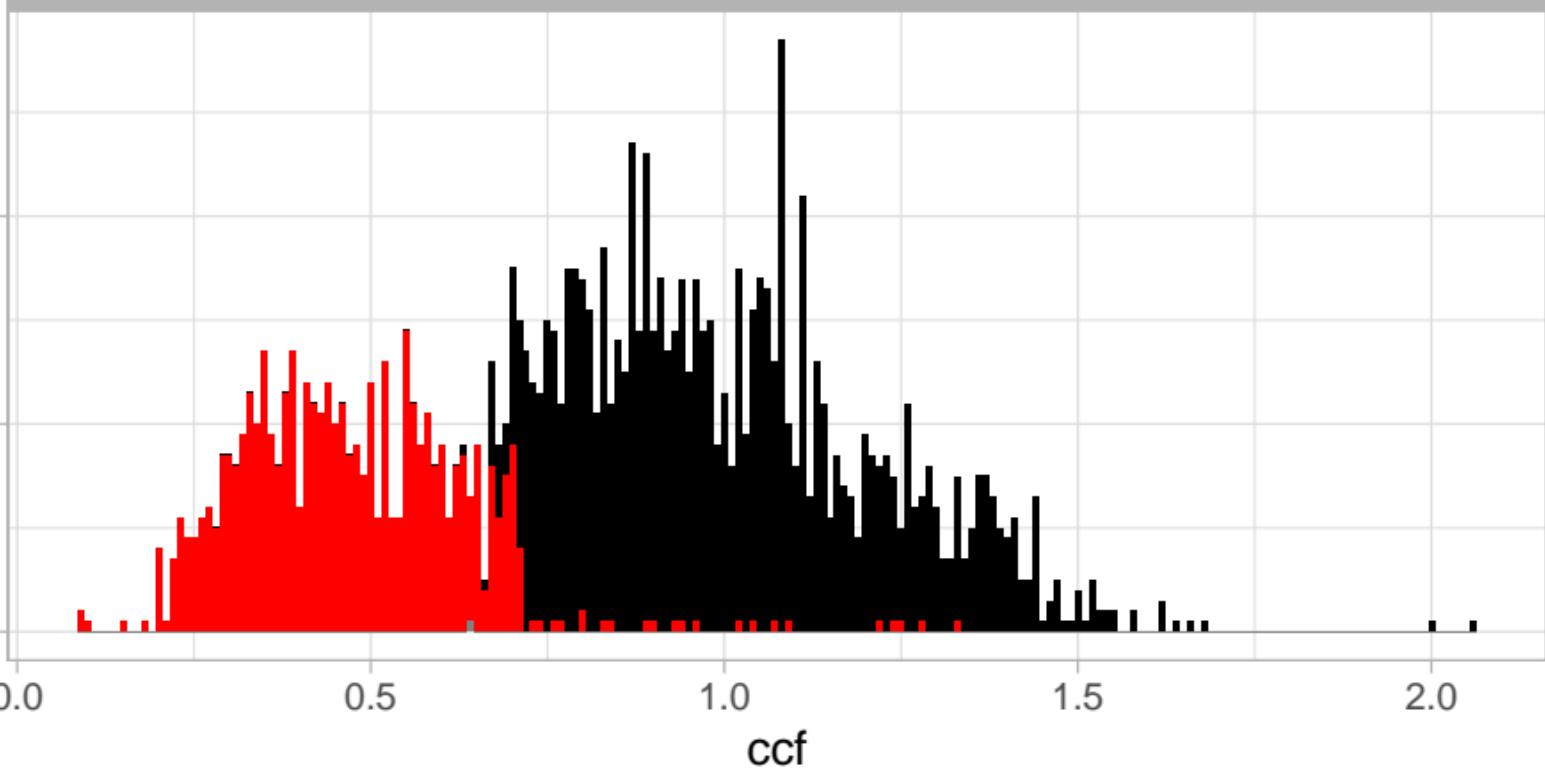
count

40
20
0

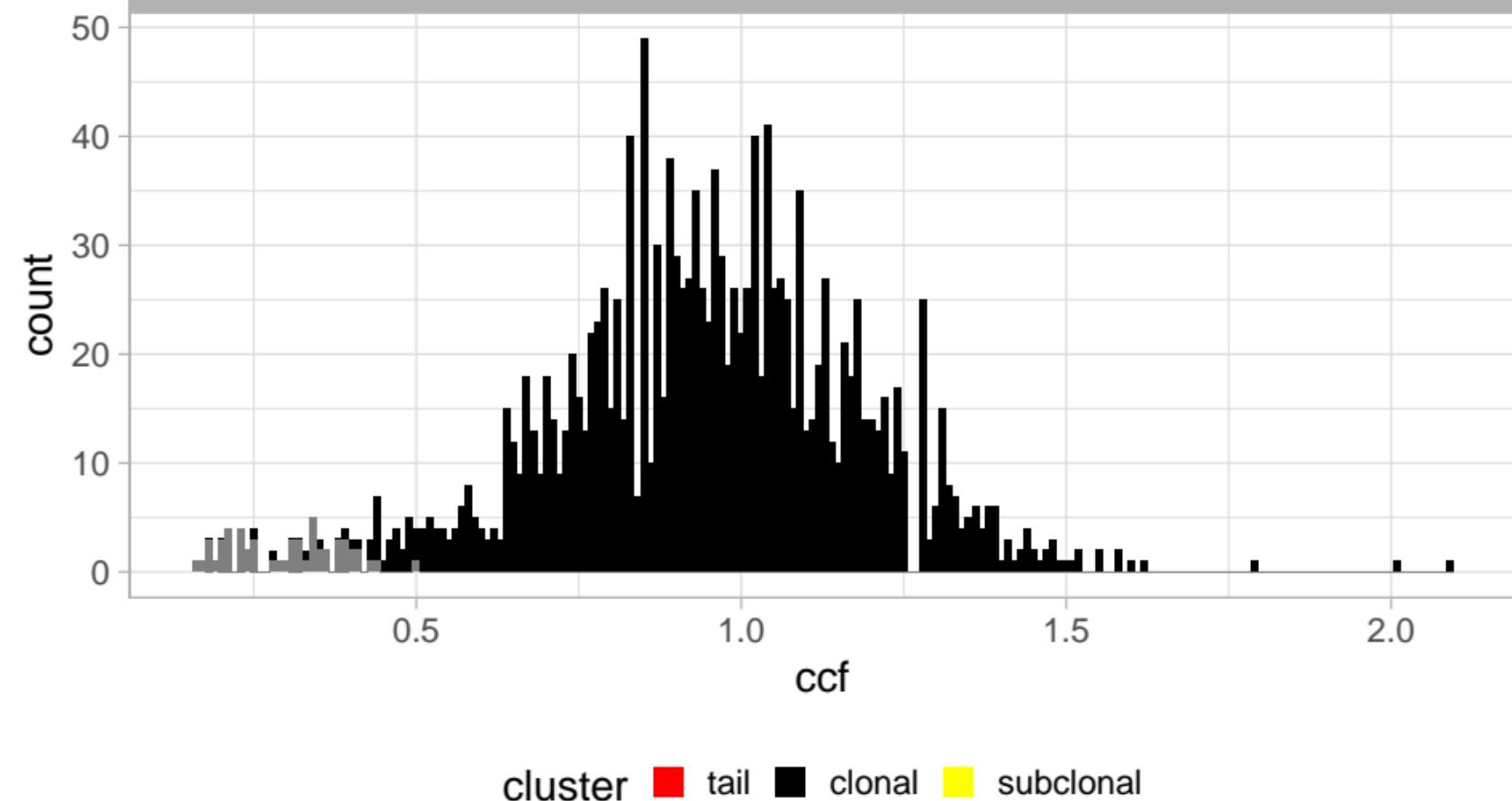
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542735



SA543126

count

60

40

20

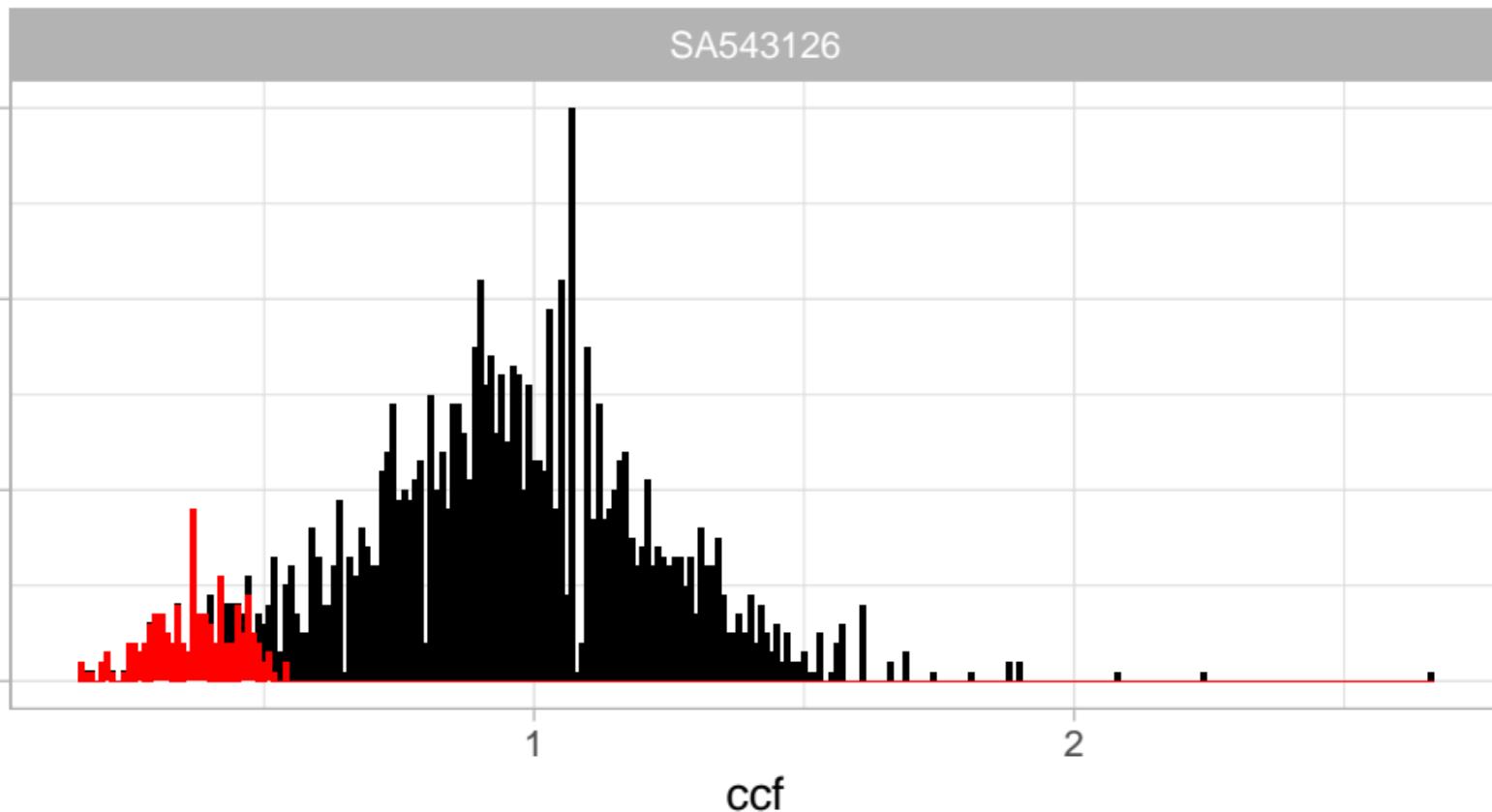
0

1

2

ccf

cluster tail clonal subclonal



SA530538

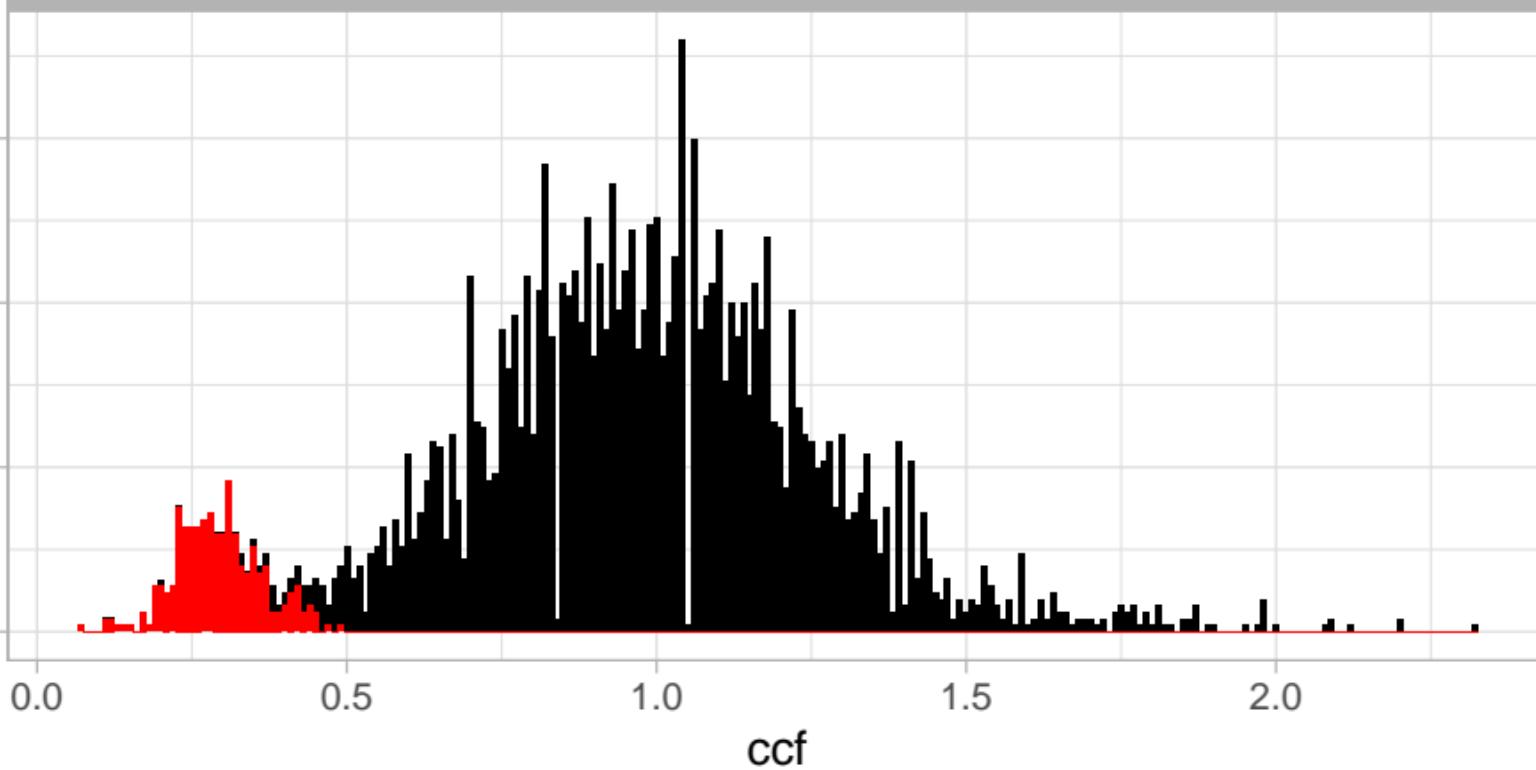
count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

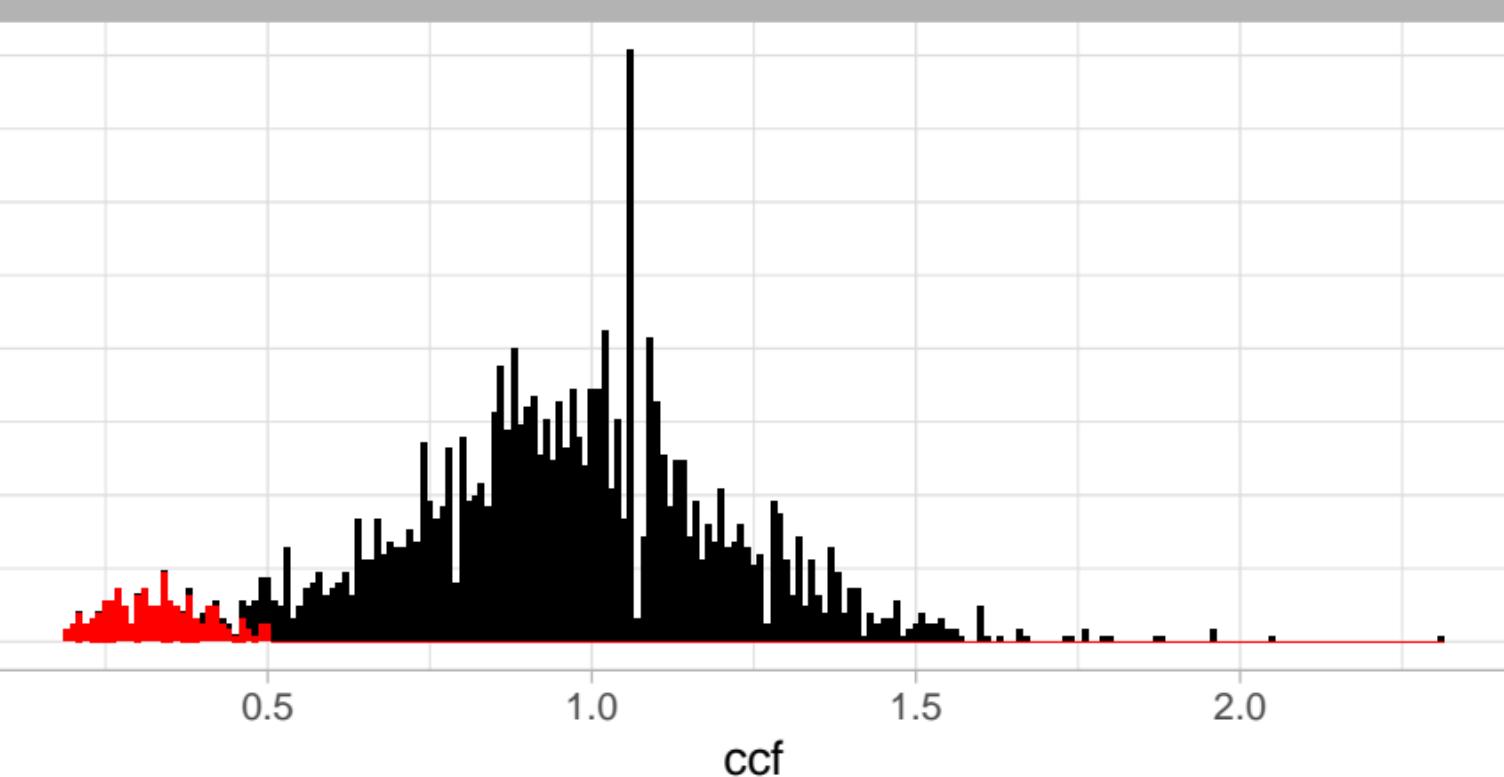
cluster tail clonal subclonal



SA542919

count

100
75
50
25
0



cluster ■ tail ■ clonal ■ subclonal

SA557043

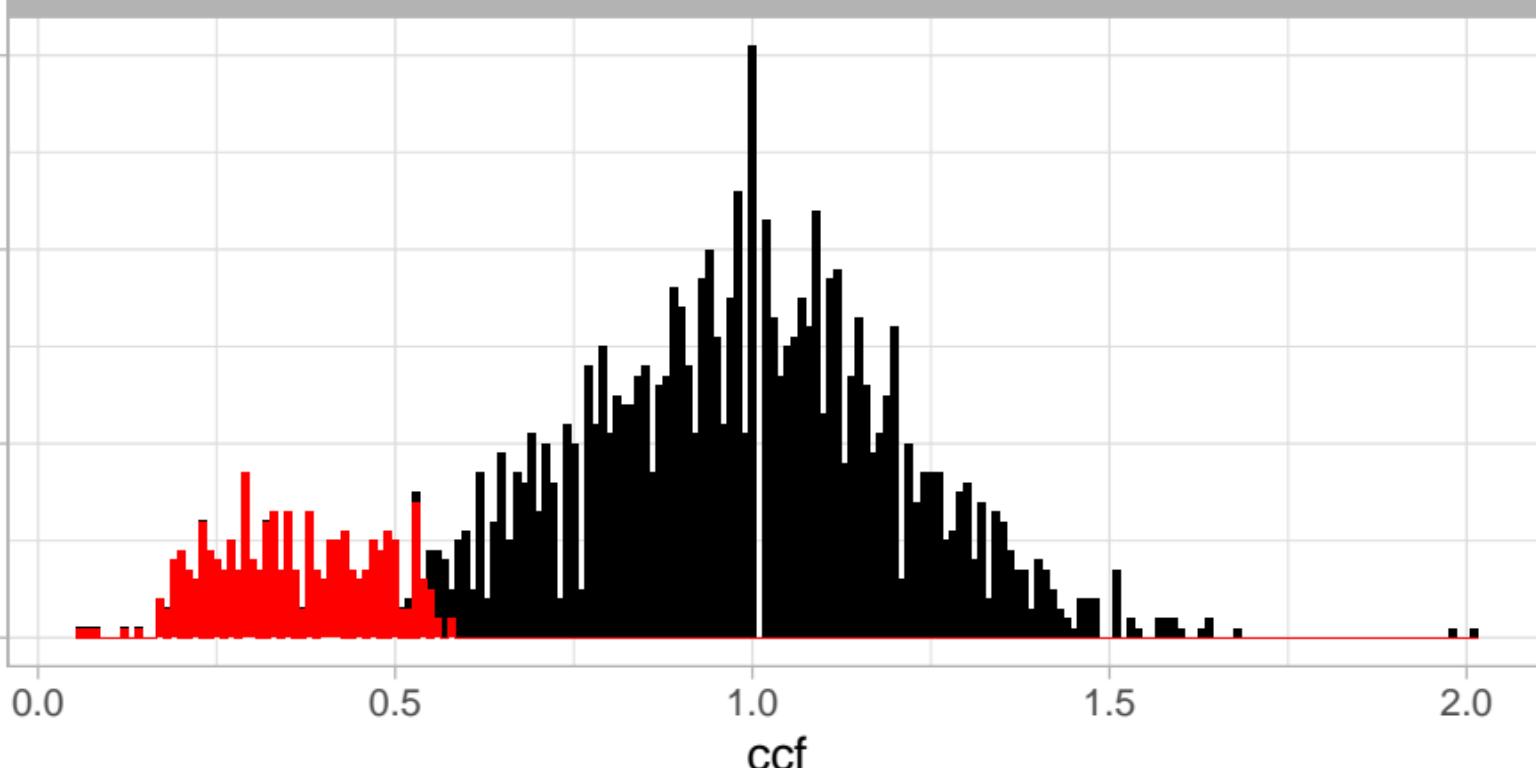
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542641

count

80
60
40
20
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA543073

count

150

100

50

0

0.0

0.5

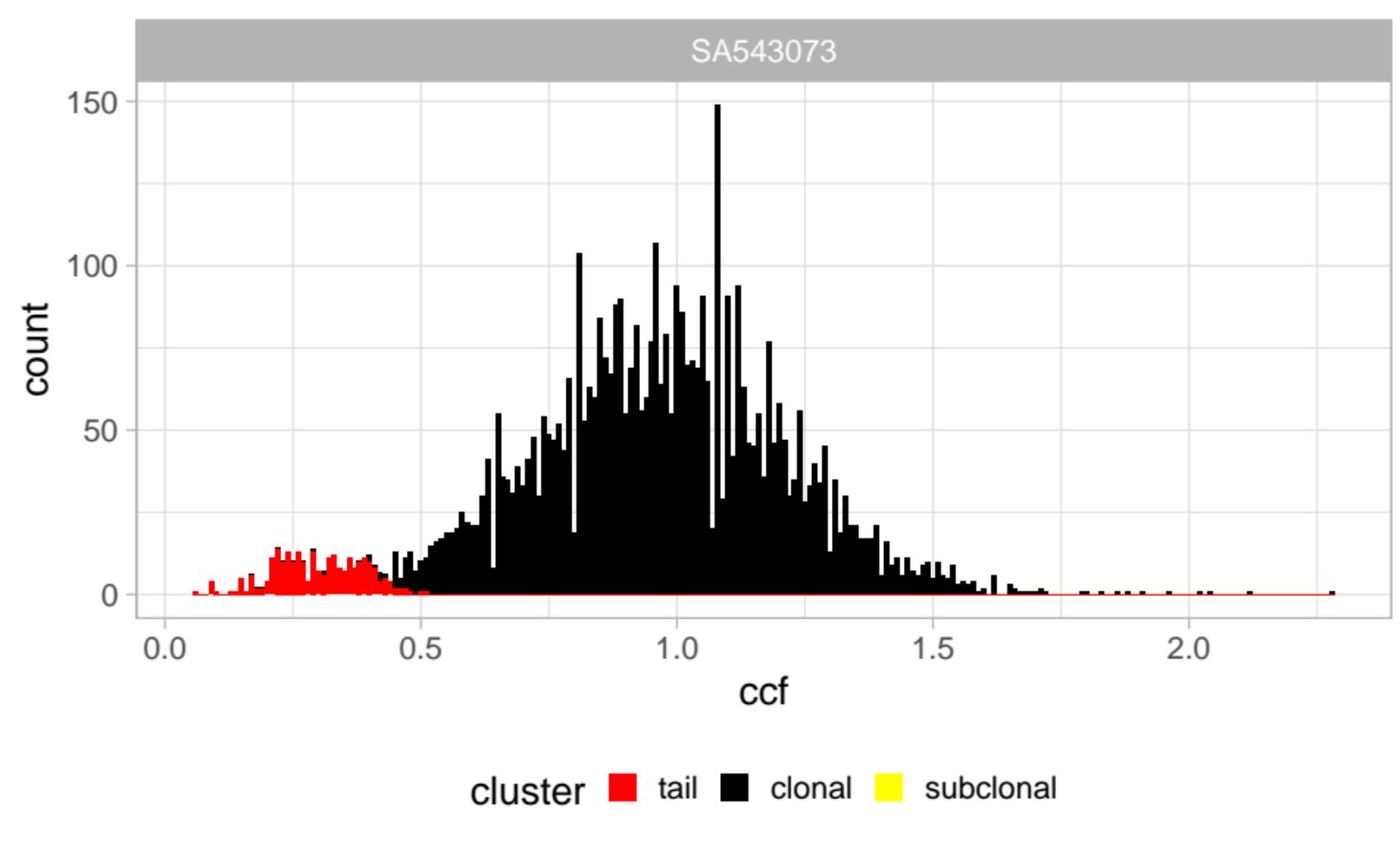
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA544289

count

90
60
30
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA543500

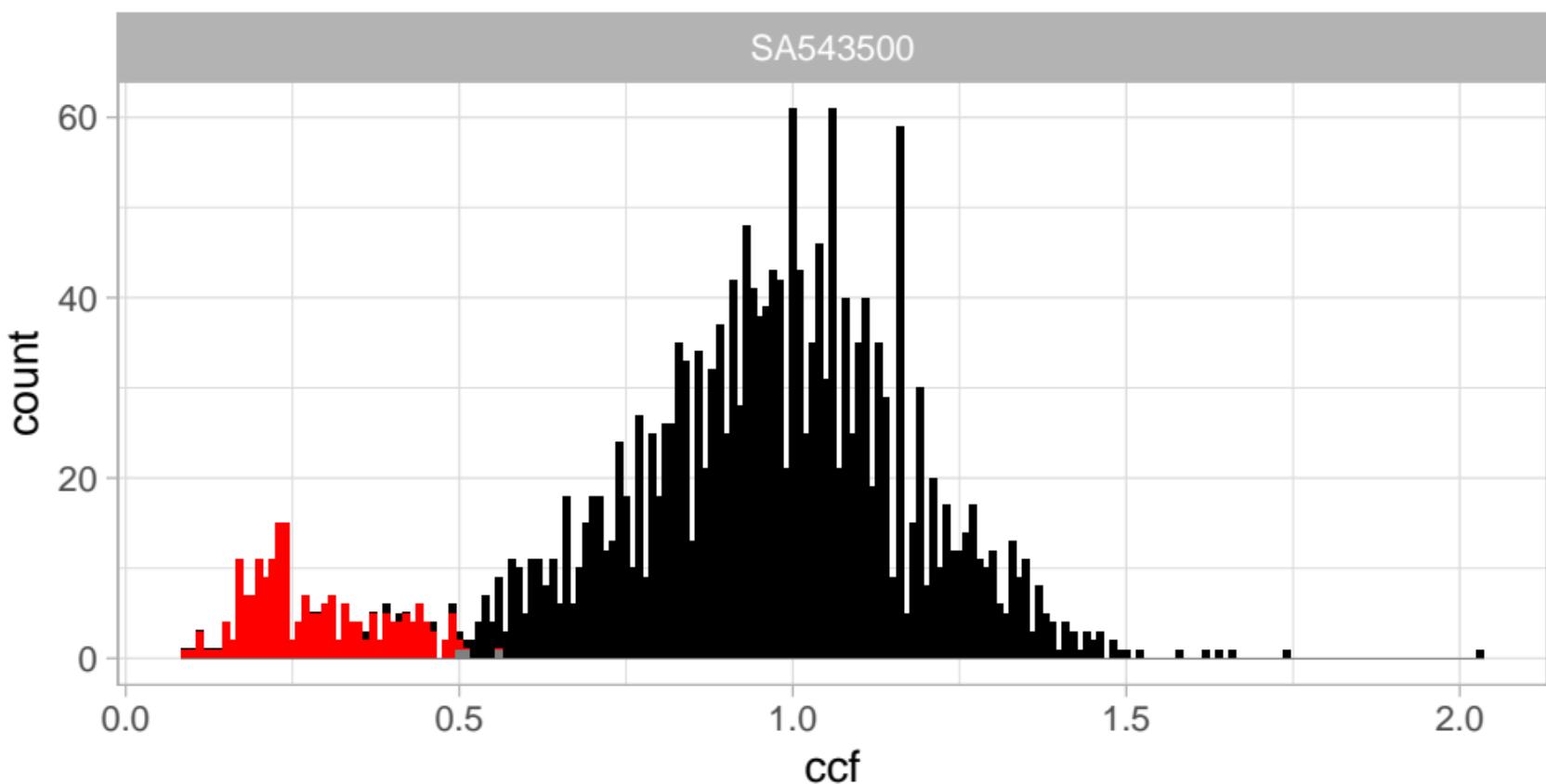
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA543426

count

20

10

0

0.0

0.5

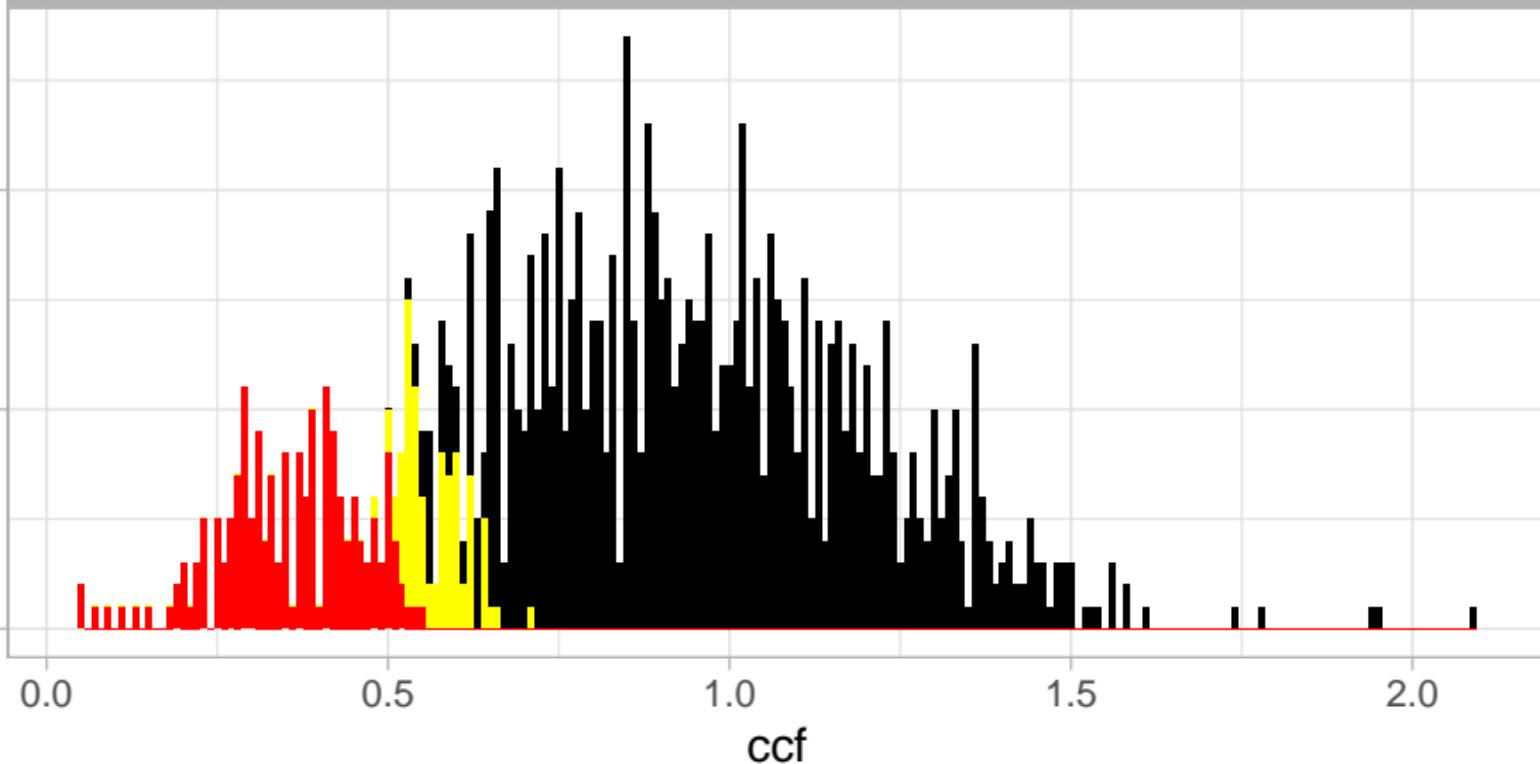
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA544051

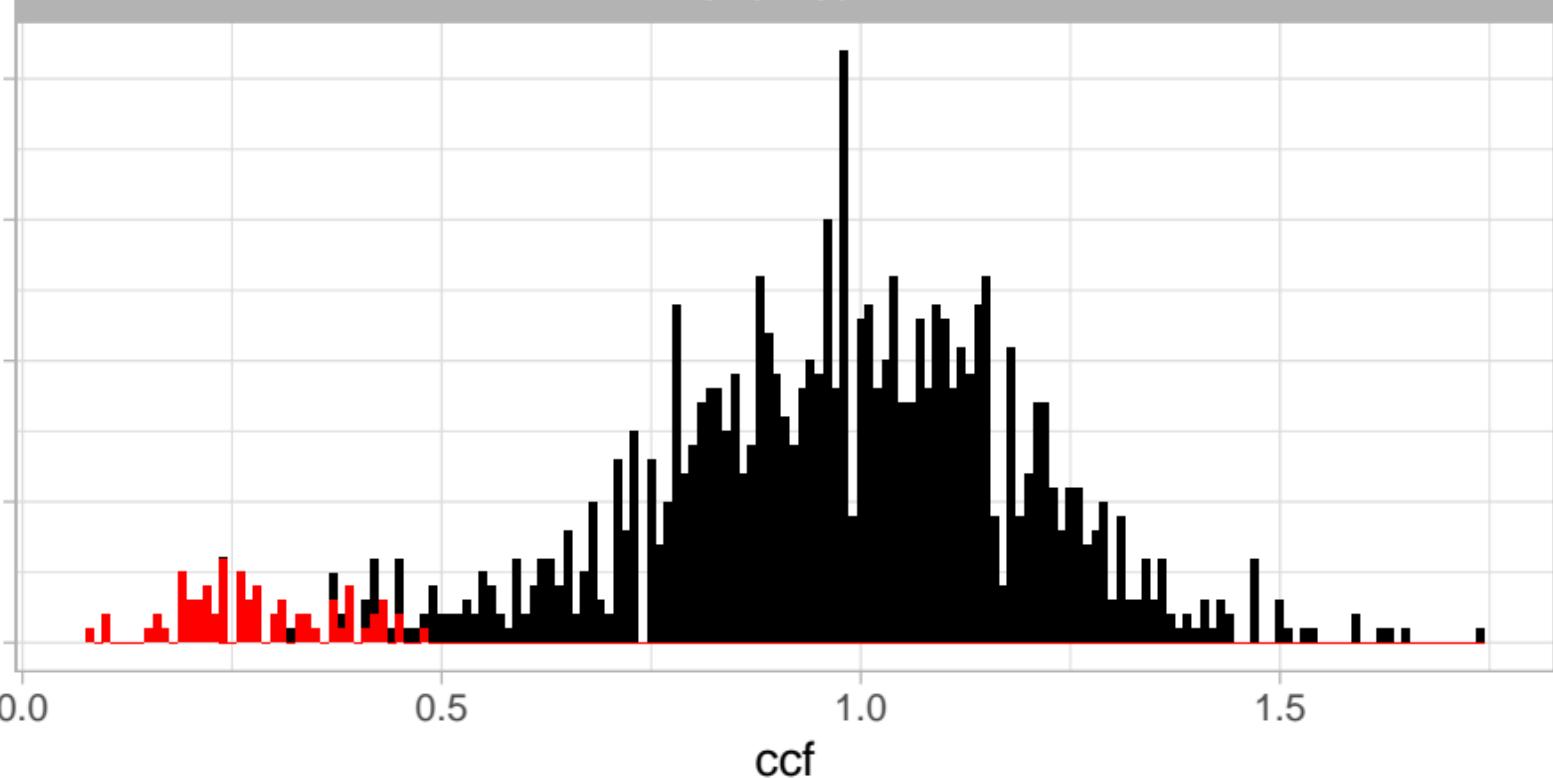
count

40
30
20
10
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA544186

count

60

40

20

0

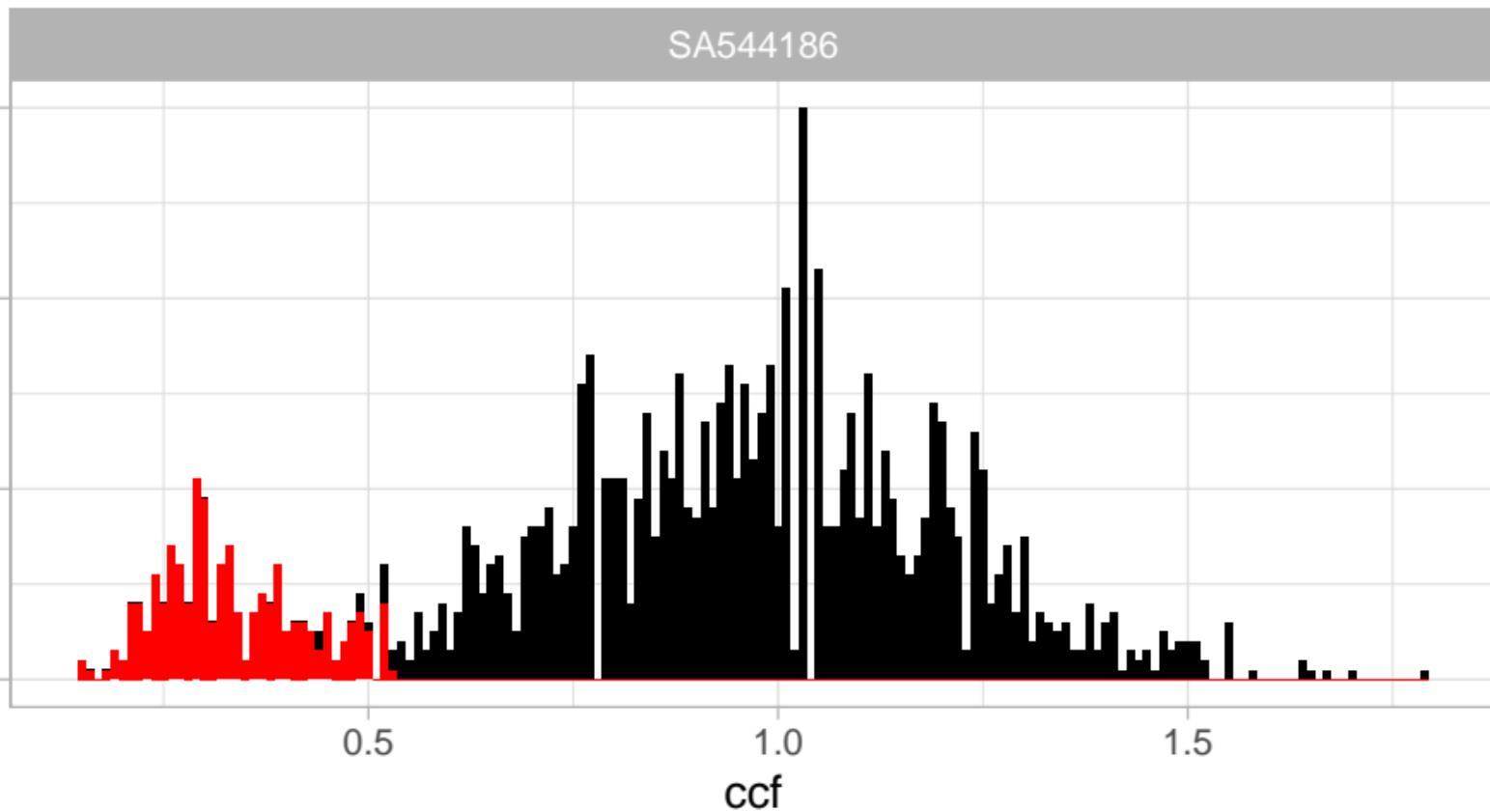
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA557426

count

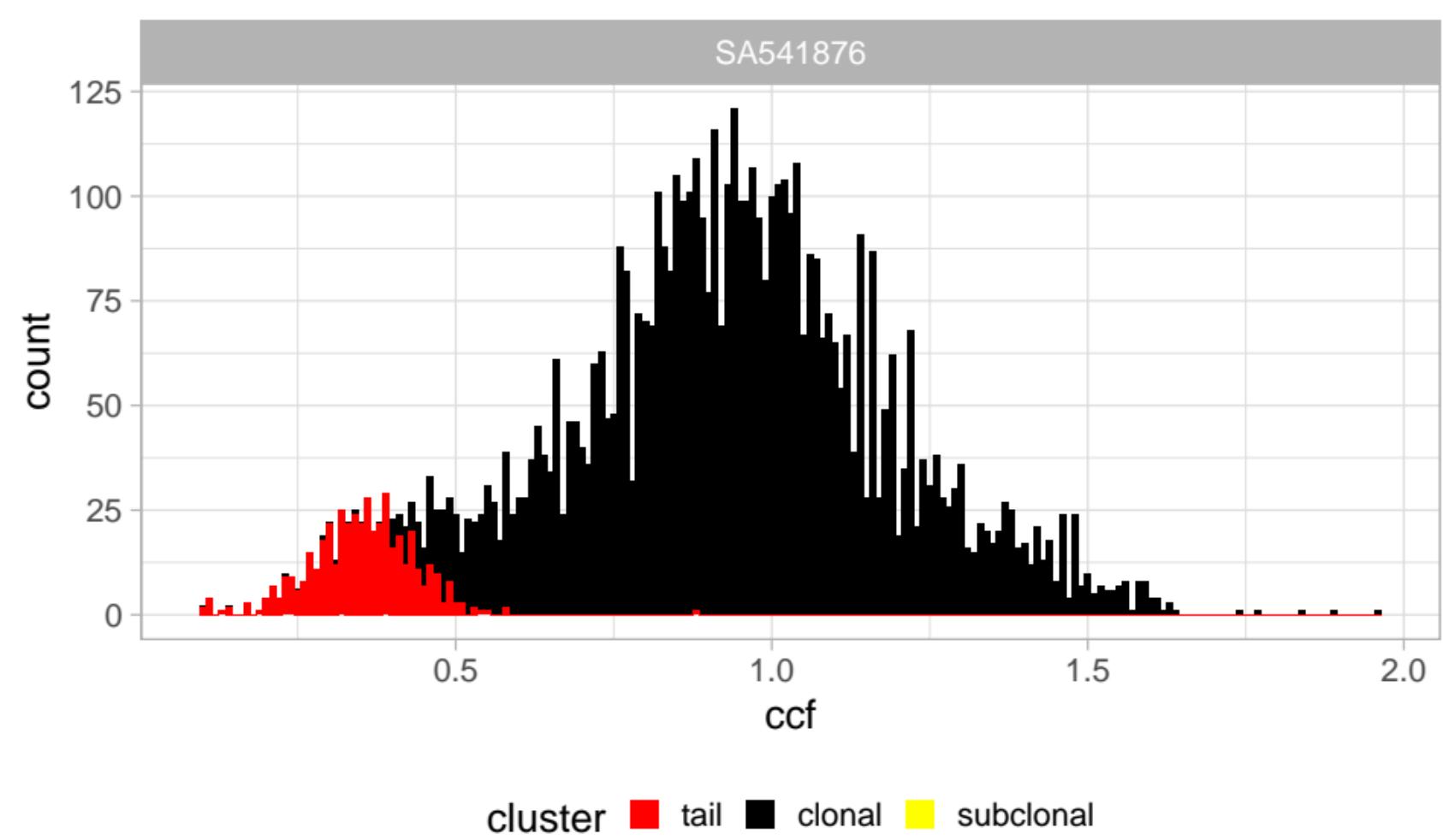
3000
2000
1000
0

0 1 2 3

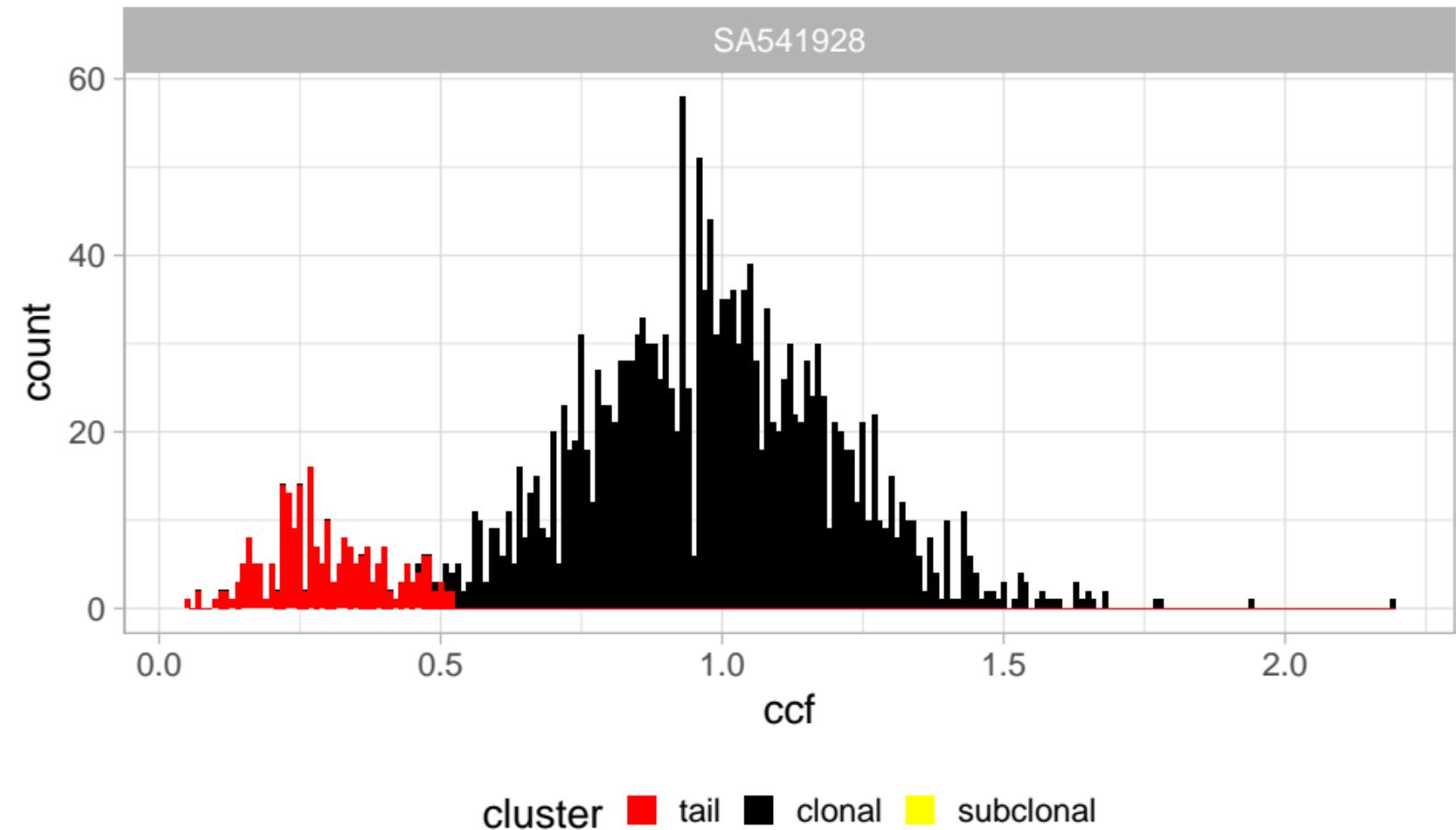
ccf

cluster tail clonal subclonal

SA541876



SA541928



SA541868

count

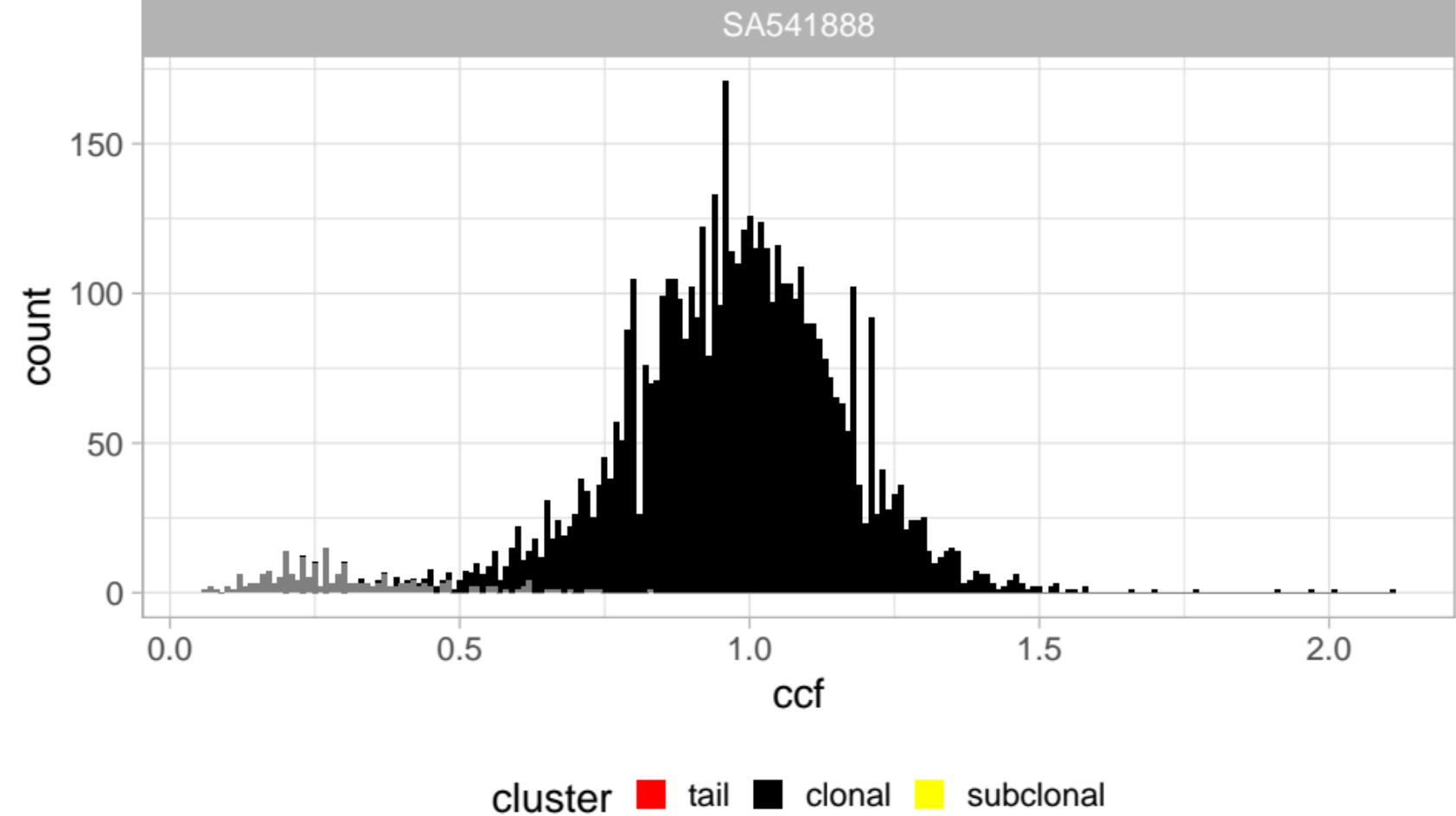
150
100
50
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA541888



SA541900

count

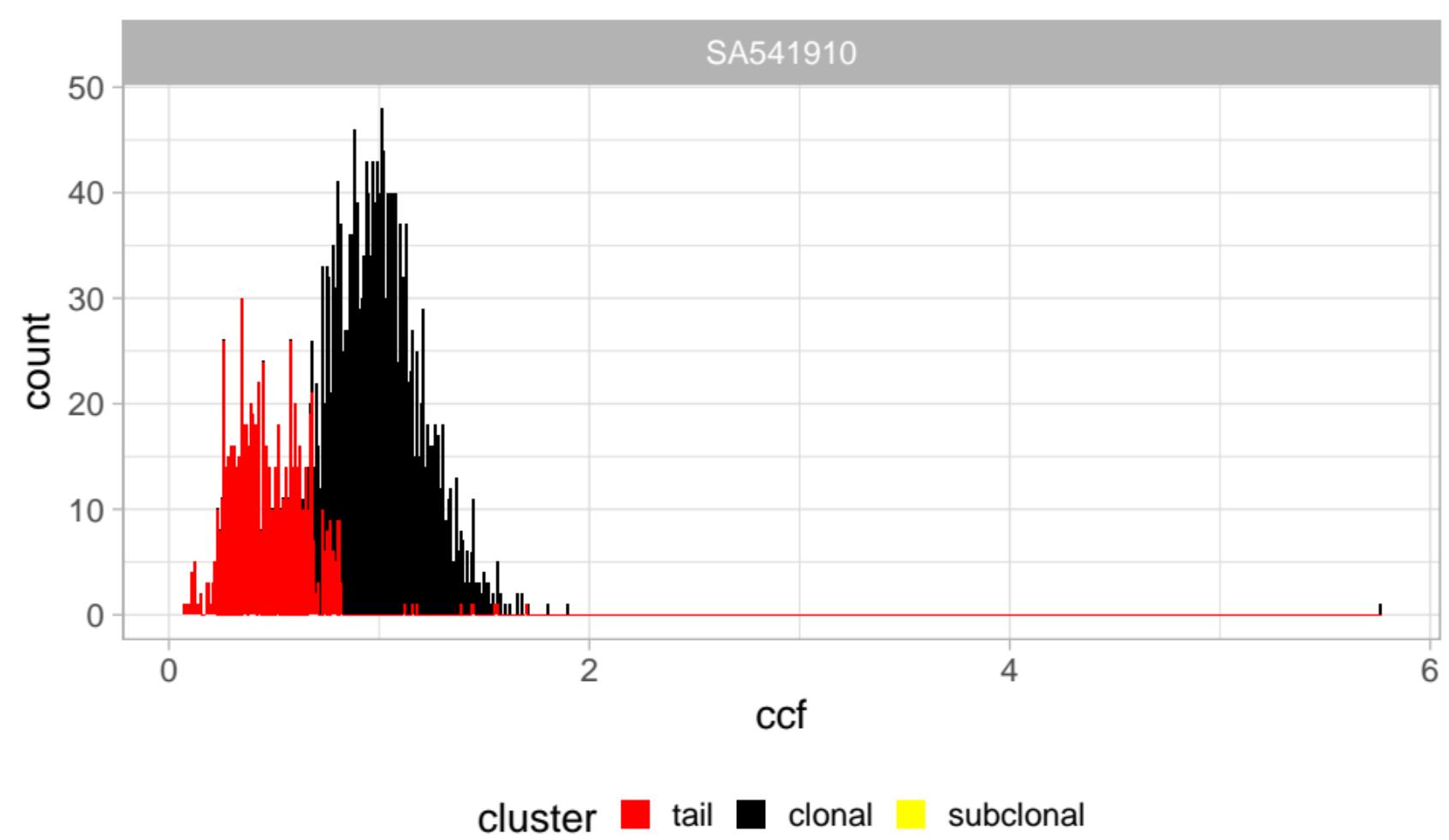
200
150
100
50
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA541910



cluster ■ tail ■ clonal ■ subclonal

SA541894

count

100

75

50

25

0

0.0

0.5

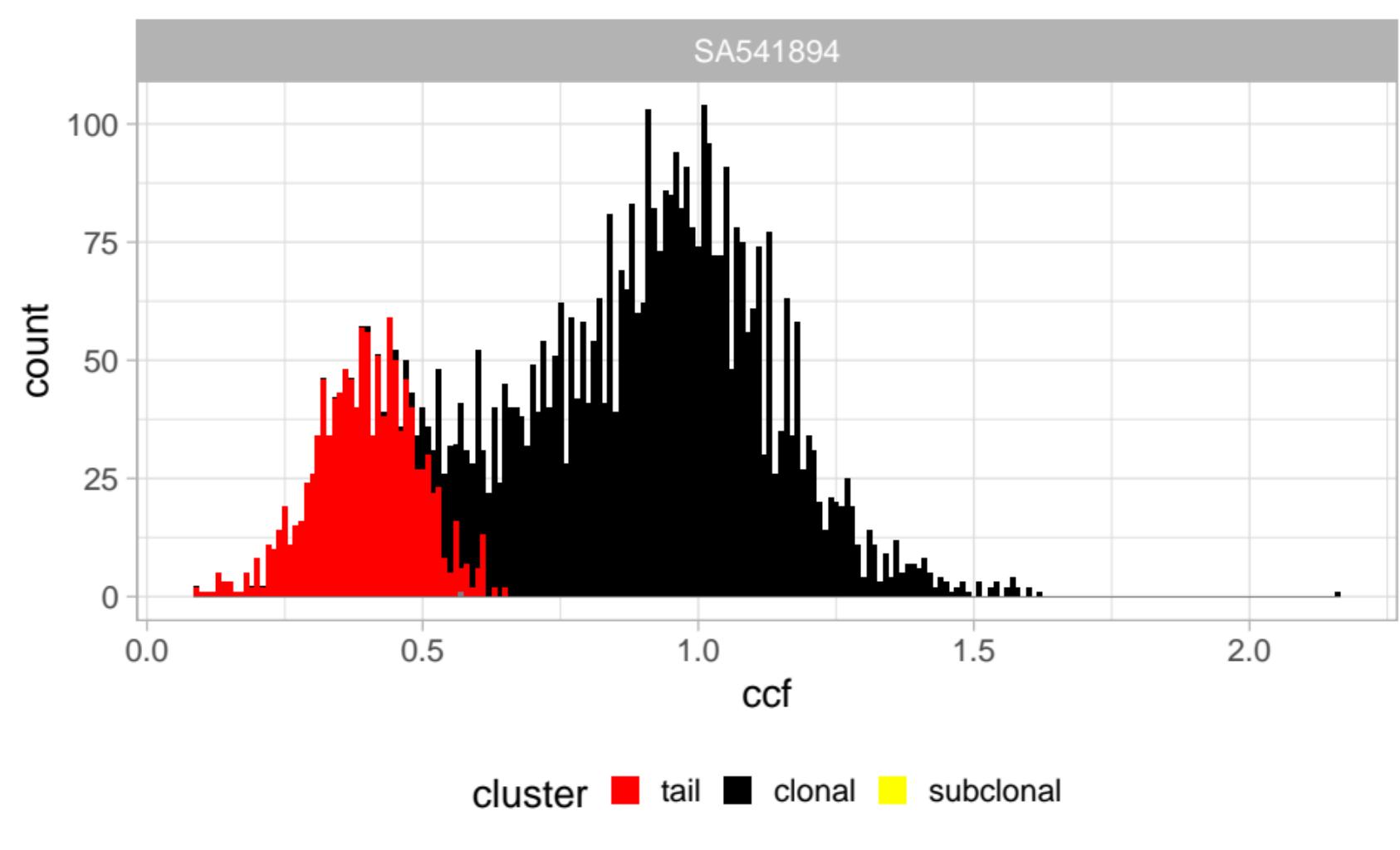
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA541878

count

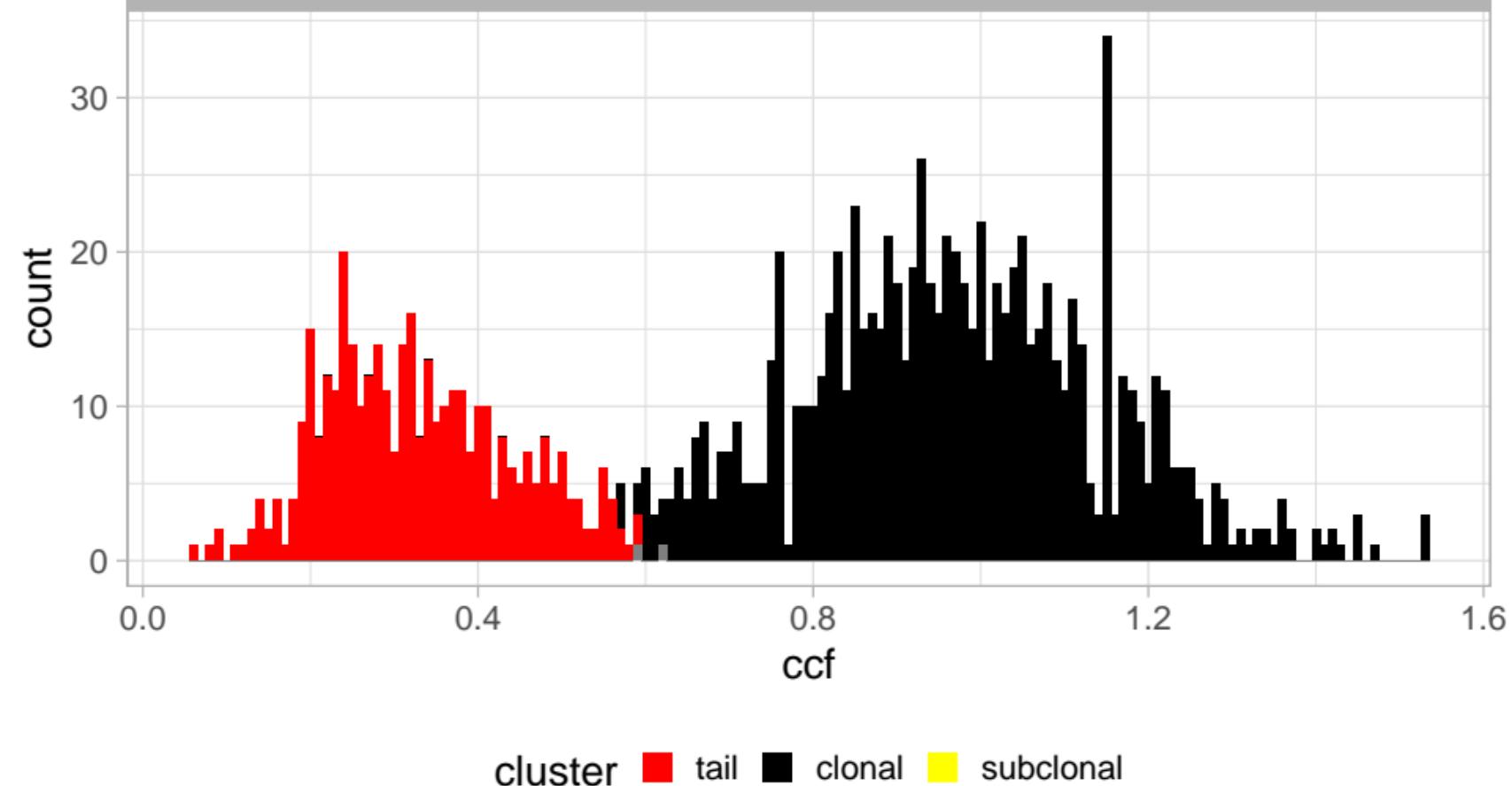
40
30
20
10
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA541890



SA541870

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA541880

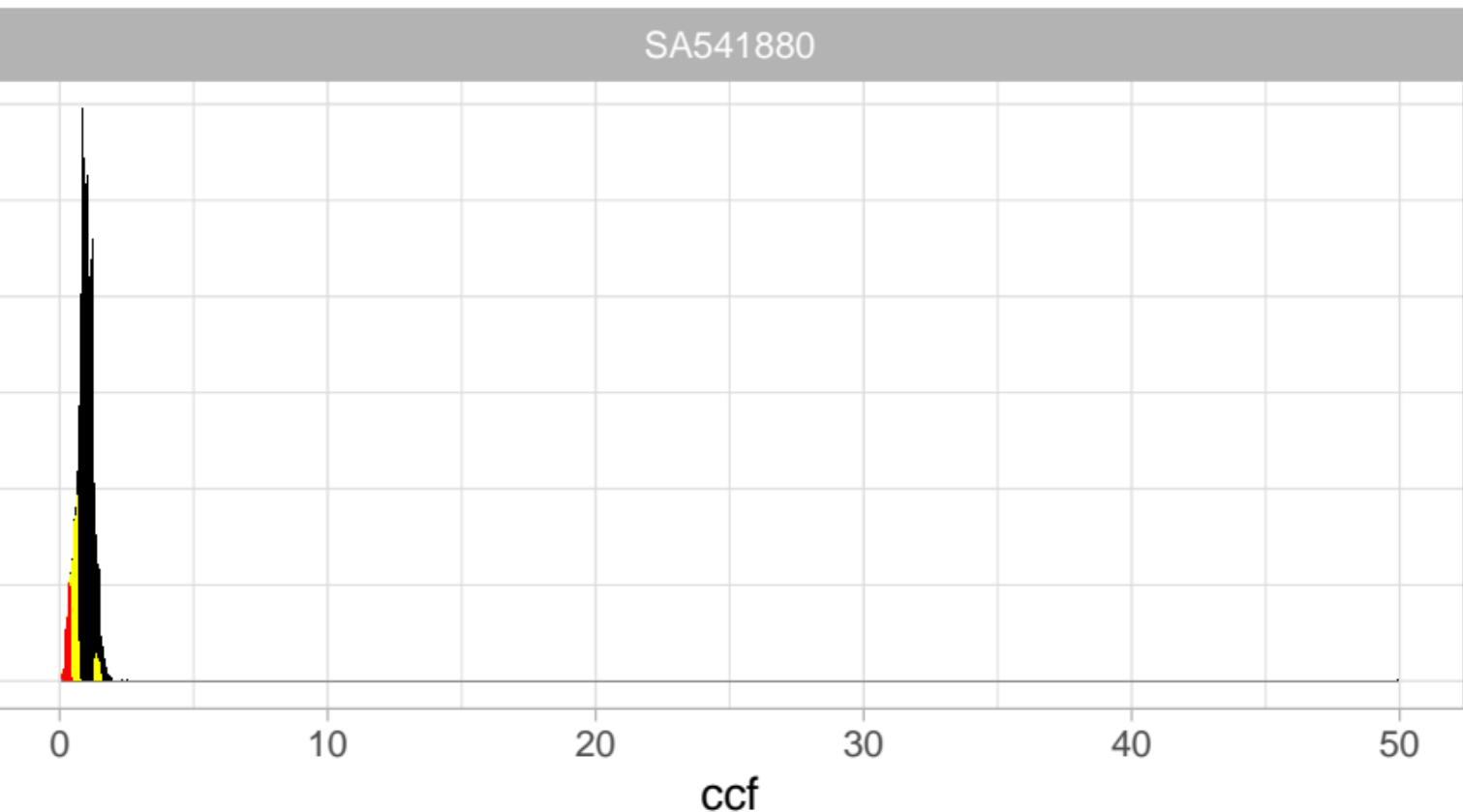
count

300
200
100
0

0 10 20 30 40 50

ccf

cluster tail clonal subclonal



SA541912

count

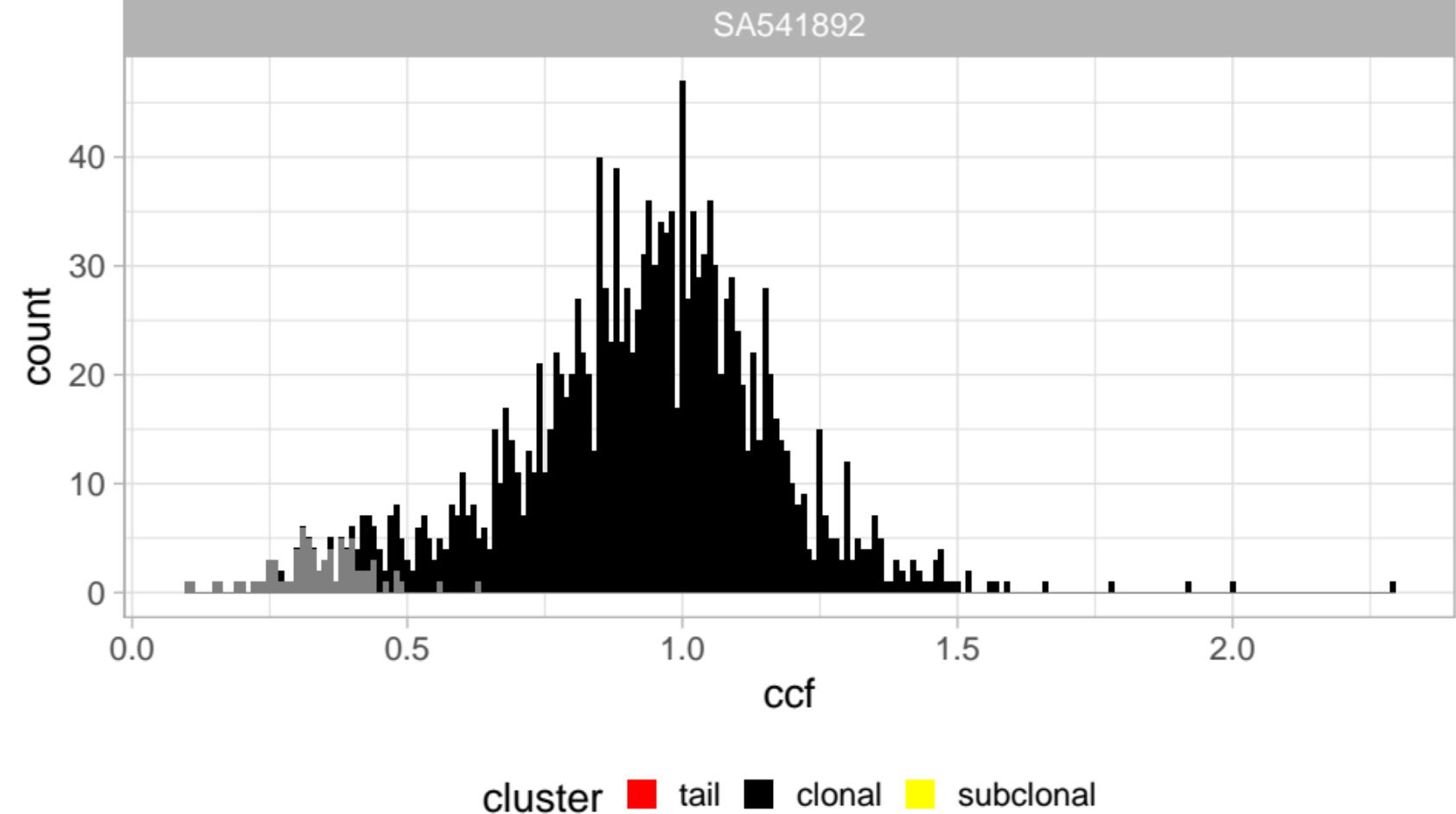
60
40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

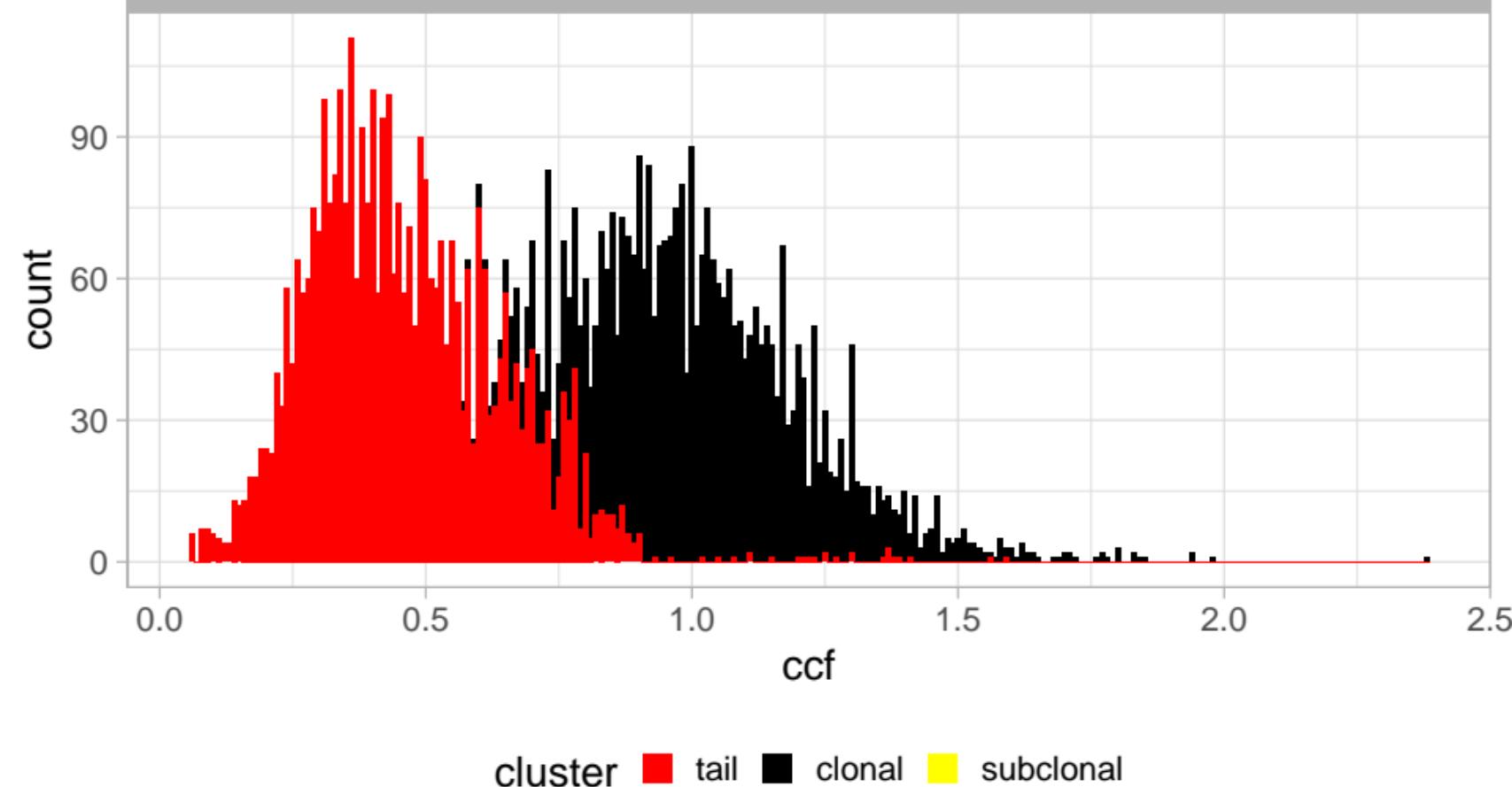
ccf

cluster tail clonal subclonal

SA541892



SA541904



SA541924

count

120
90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA541882

count

150

100

50

0

0.0

0.5

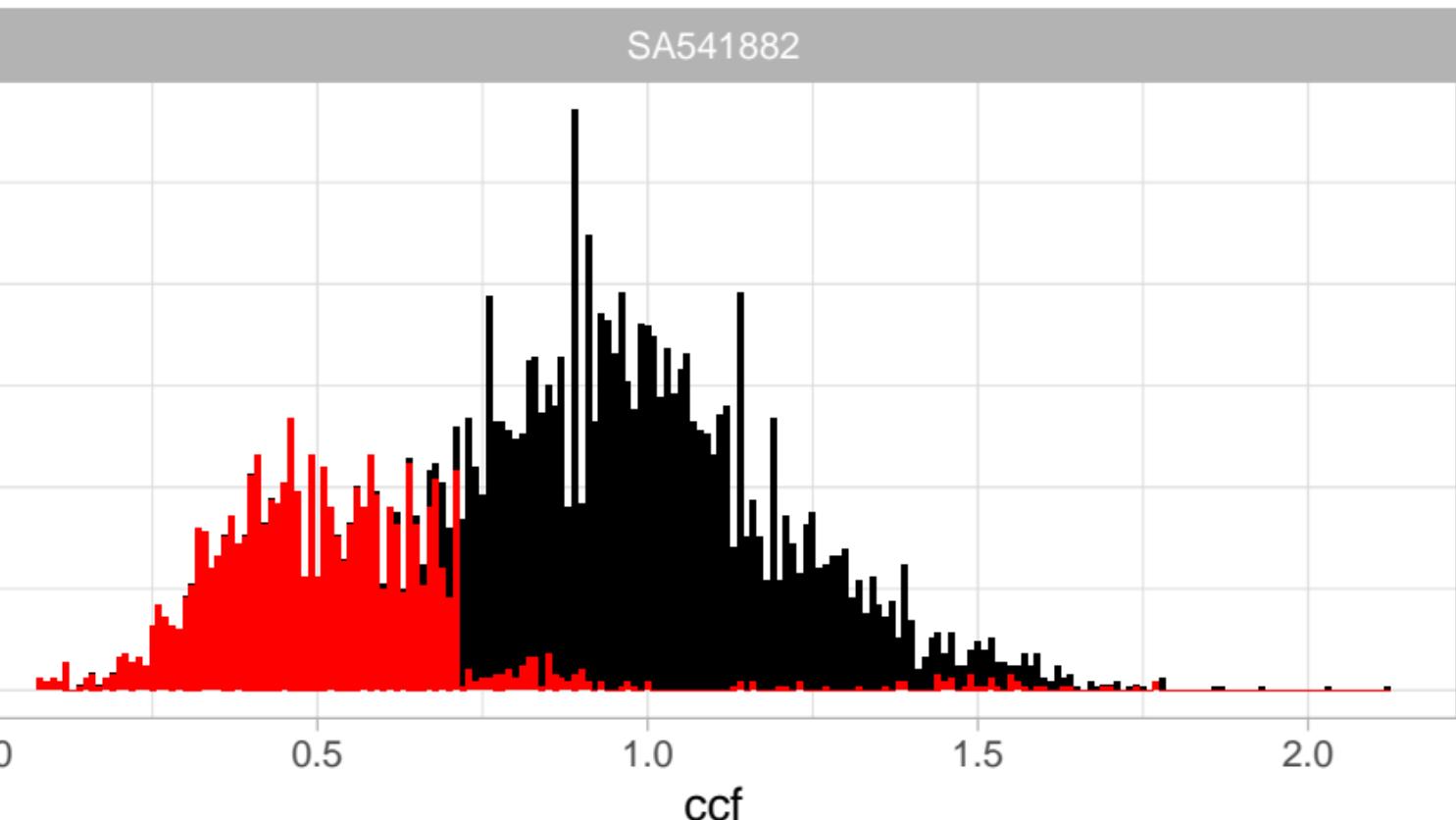
1.0

1.5

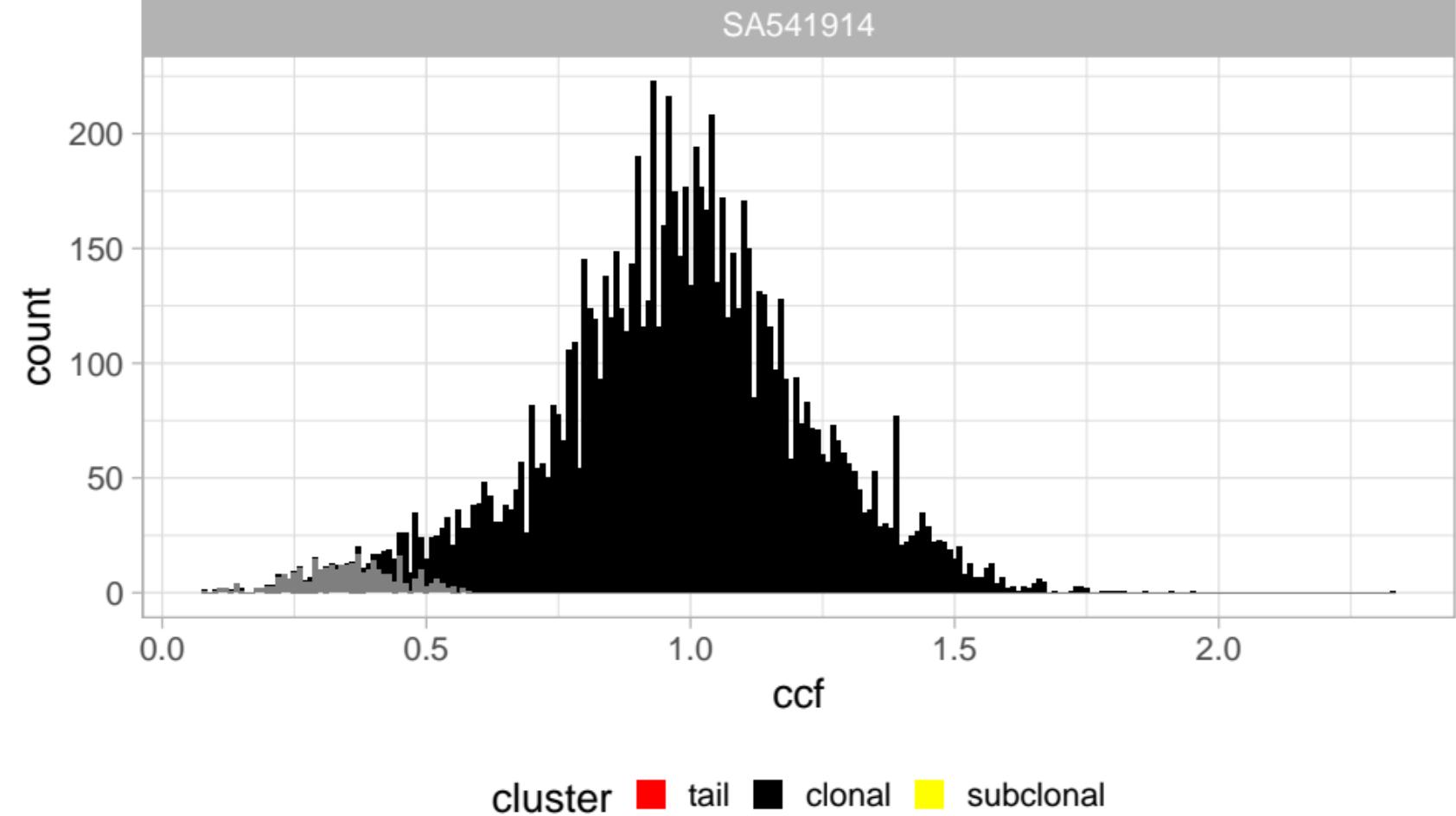
2.0

ccf

cluster tail clonal subclonal



SA541914



SA541896

count

200

150

100

50

0

0.0

0.5

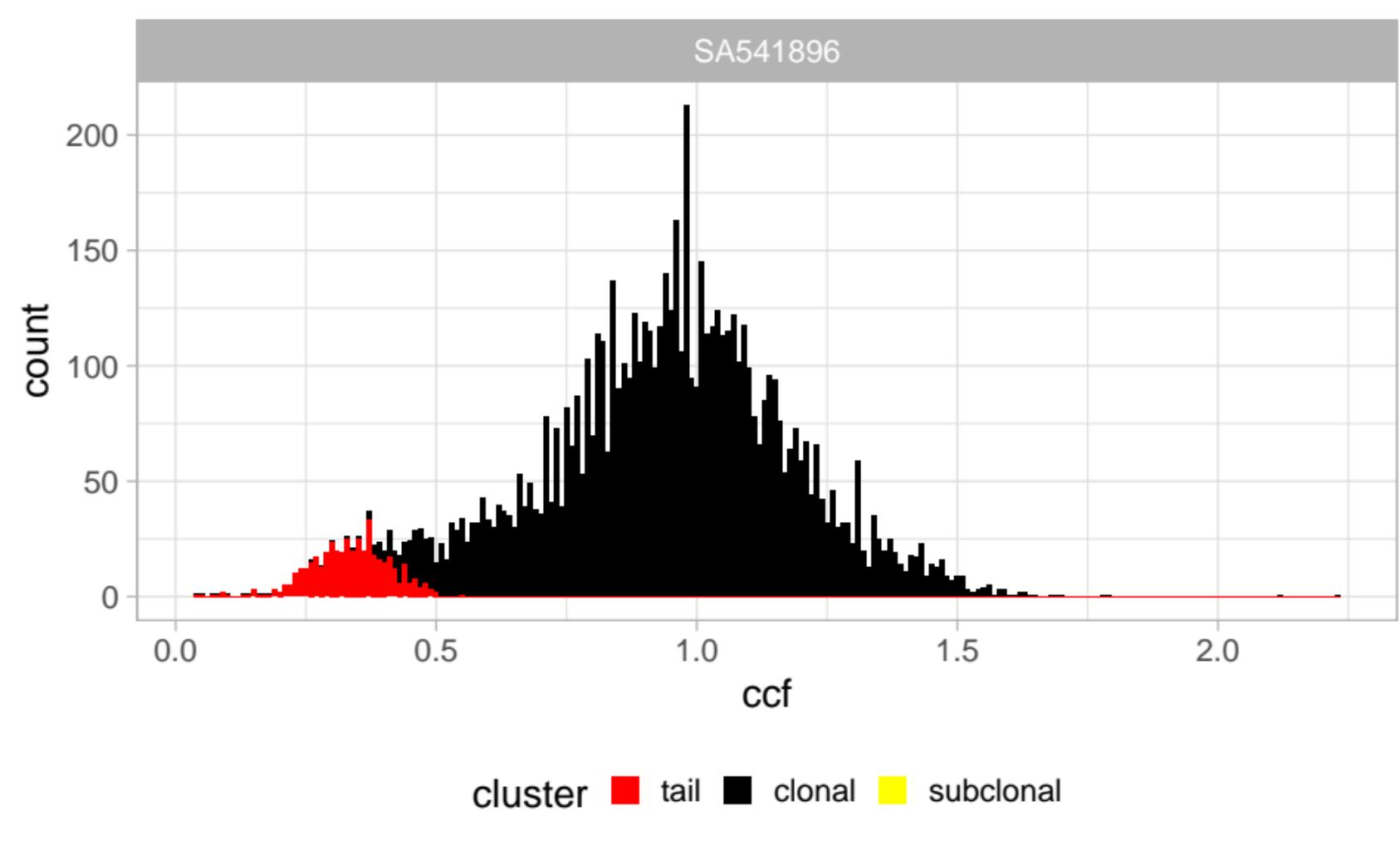
1.0

1.5

2.0

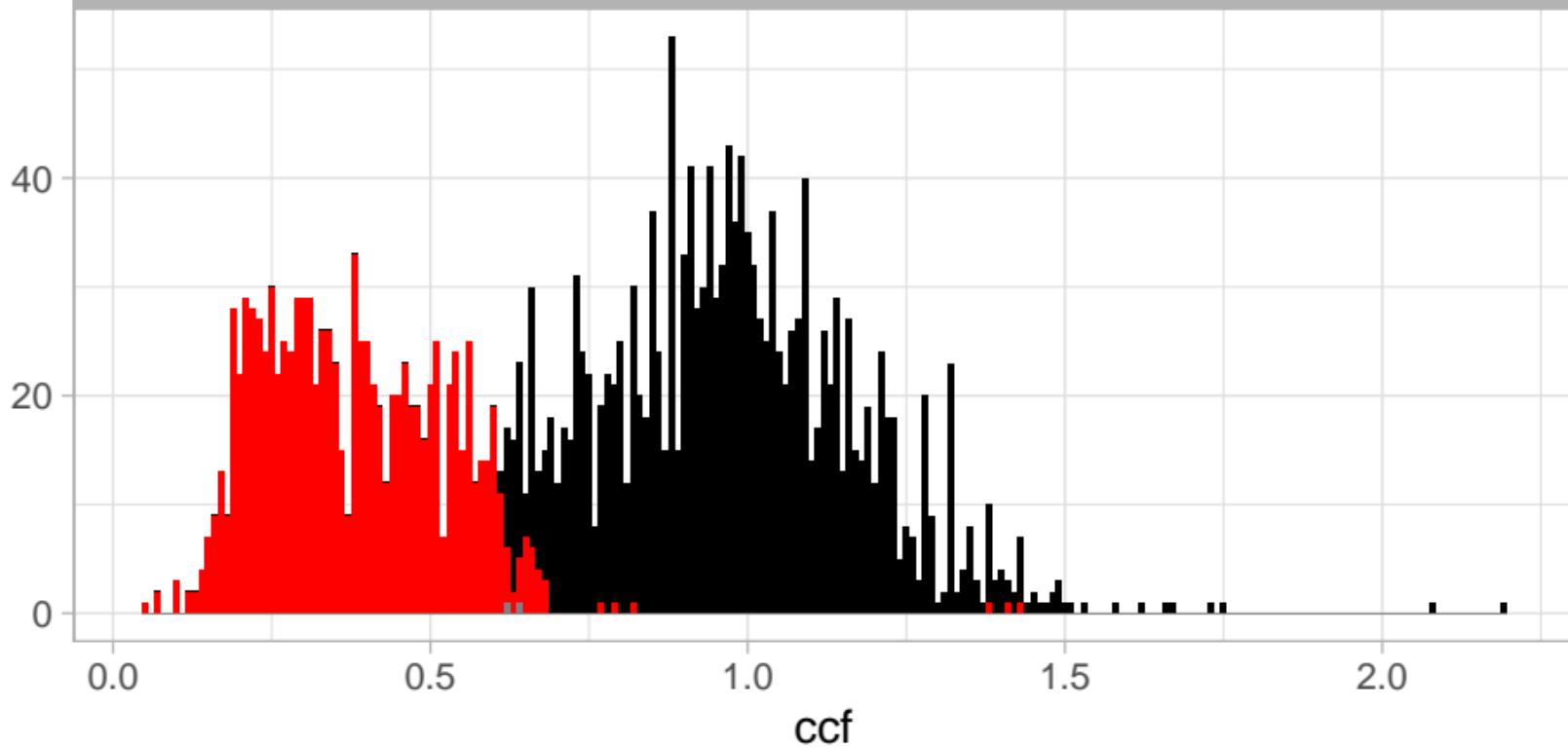
ccf

cluster tail clonal subclonal



SA541906

count



cluster ■ tail ■ clonal ■ subclonal

SA541936

count

100

75

50

25

0

0.0

0.5

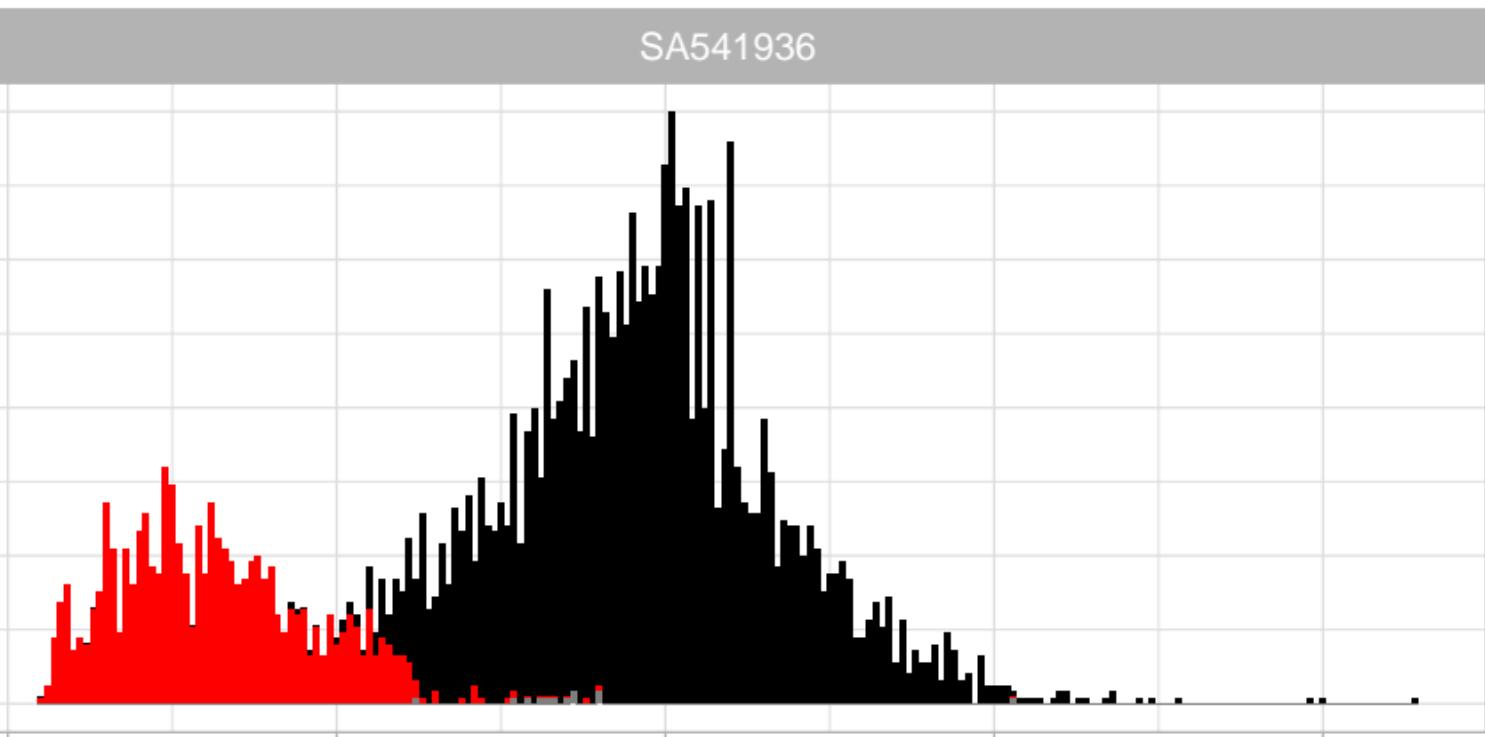
1.0

1.5

2.0

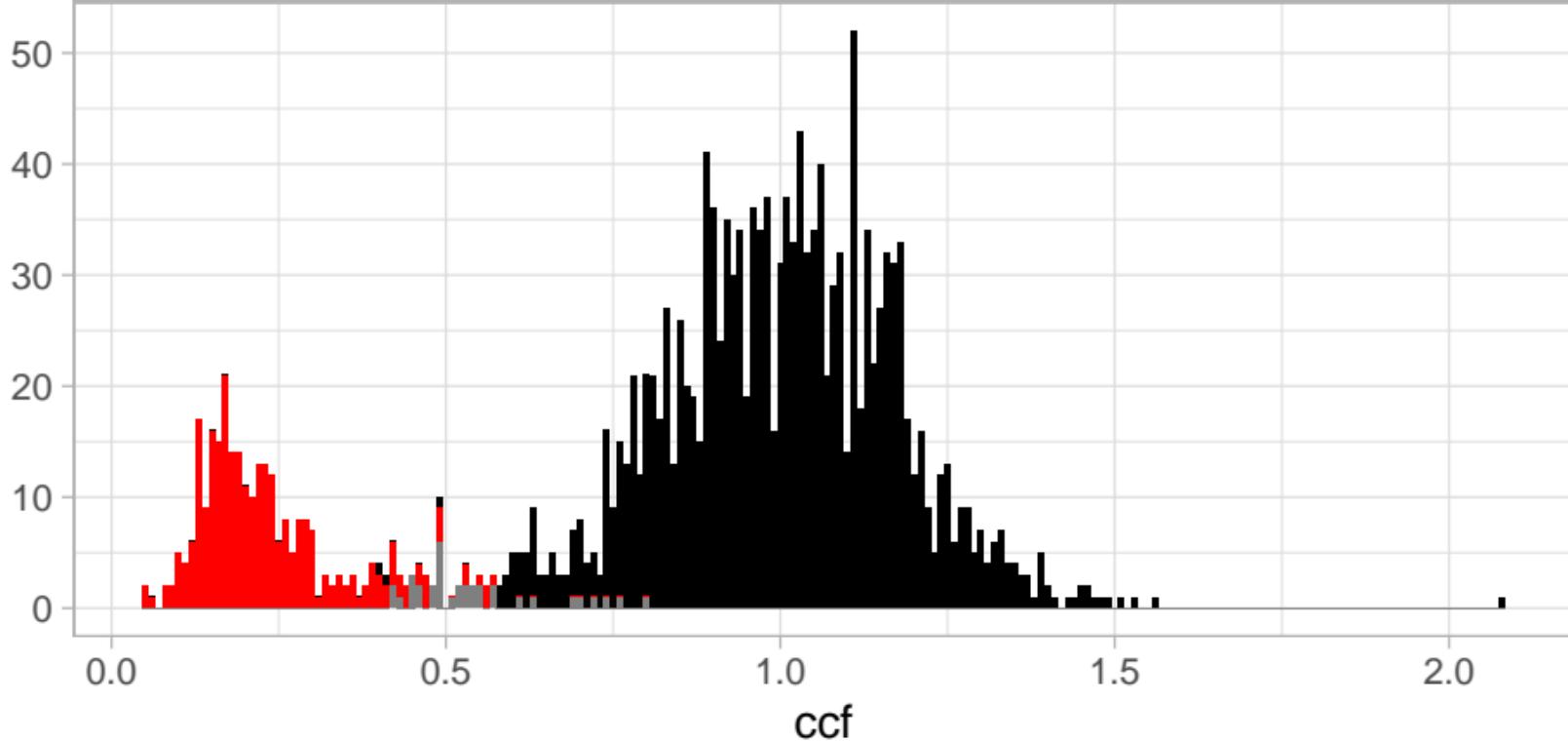
ccf

cluster ■ tail ■ clonal ■ subclonal



SA541926

count



cluster ■ tail ■ clonal ■ subclonal

SA541916

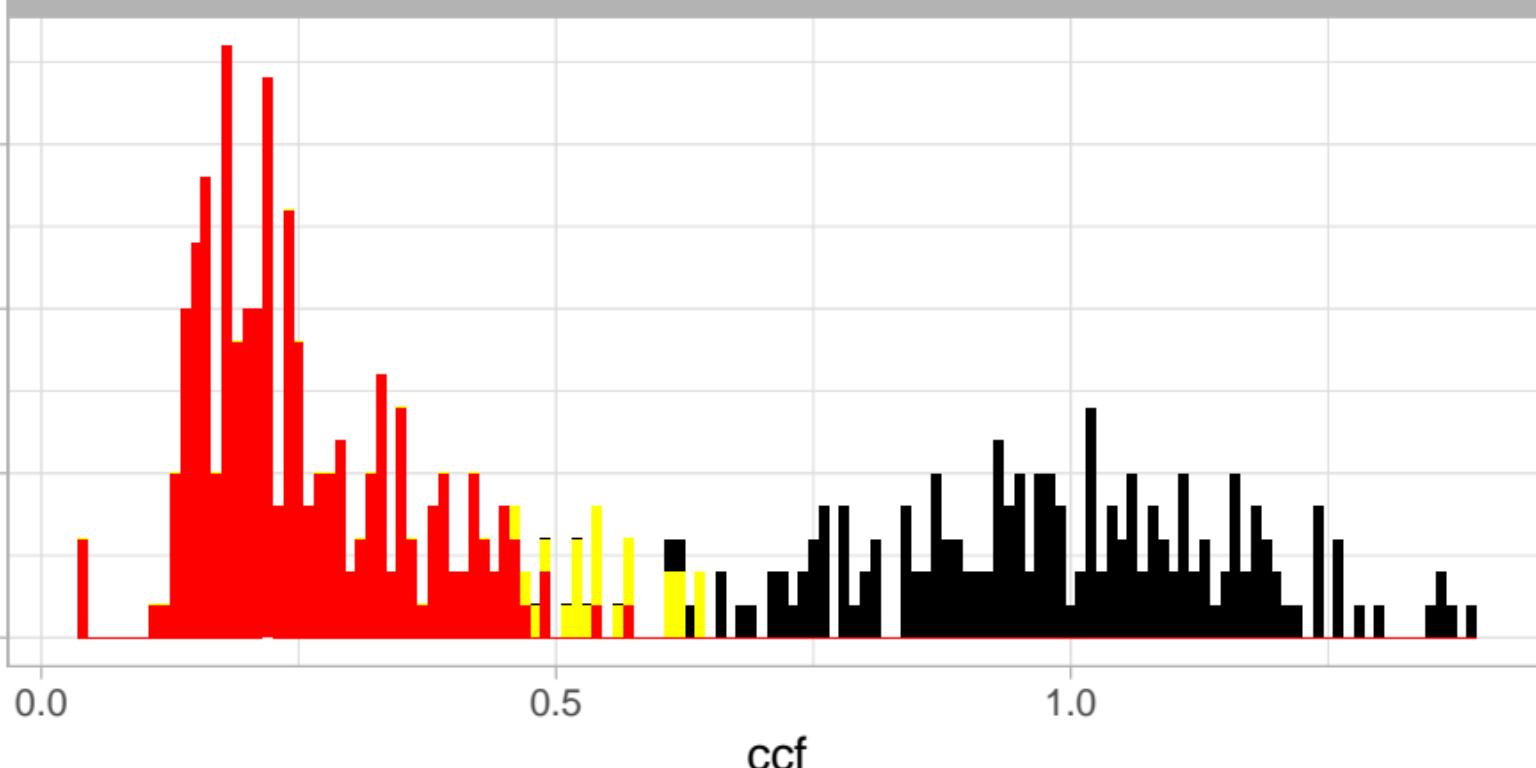
count

15
10
5
0

0.0 1.0

ccf

cluster tail clonal subclonal



SA570874

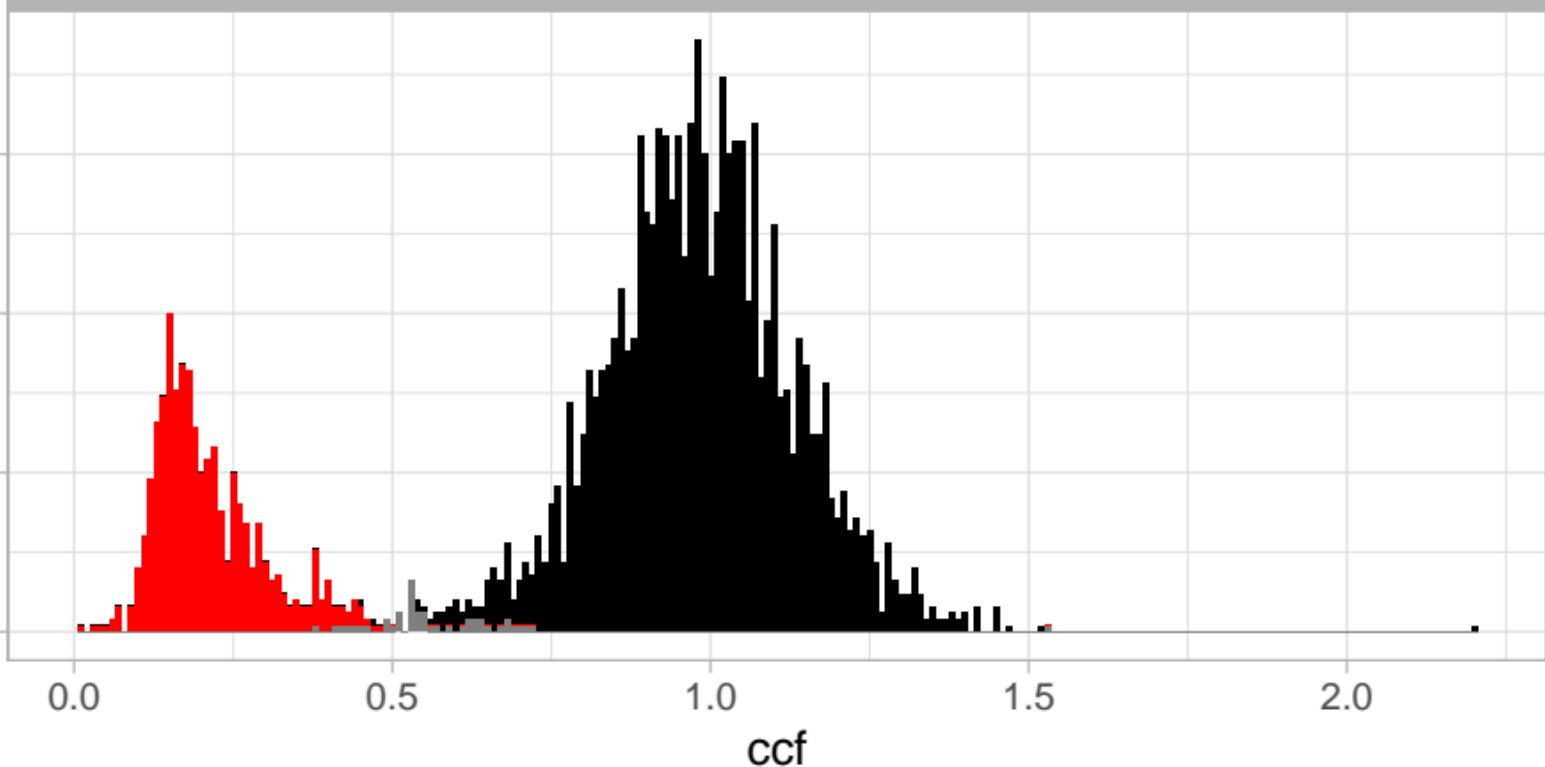
count

75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA530468

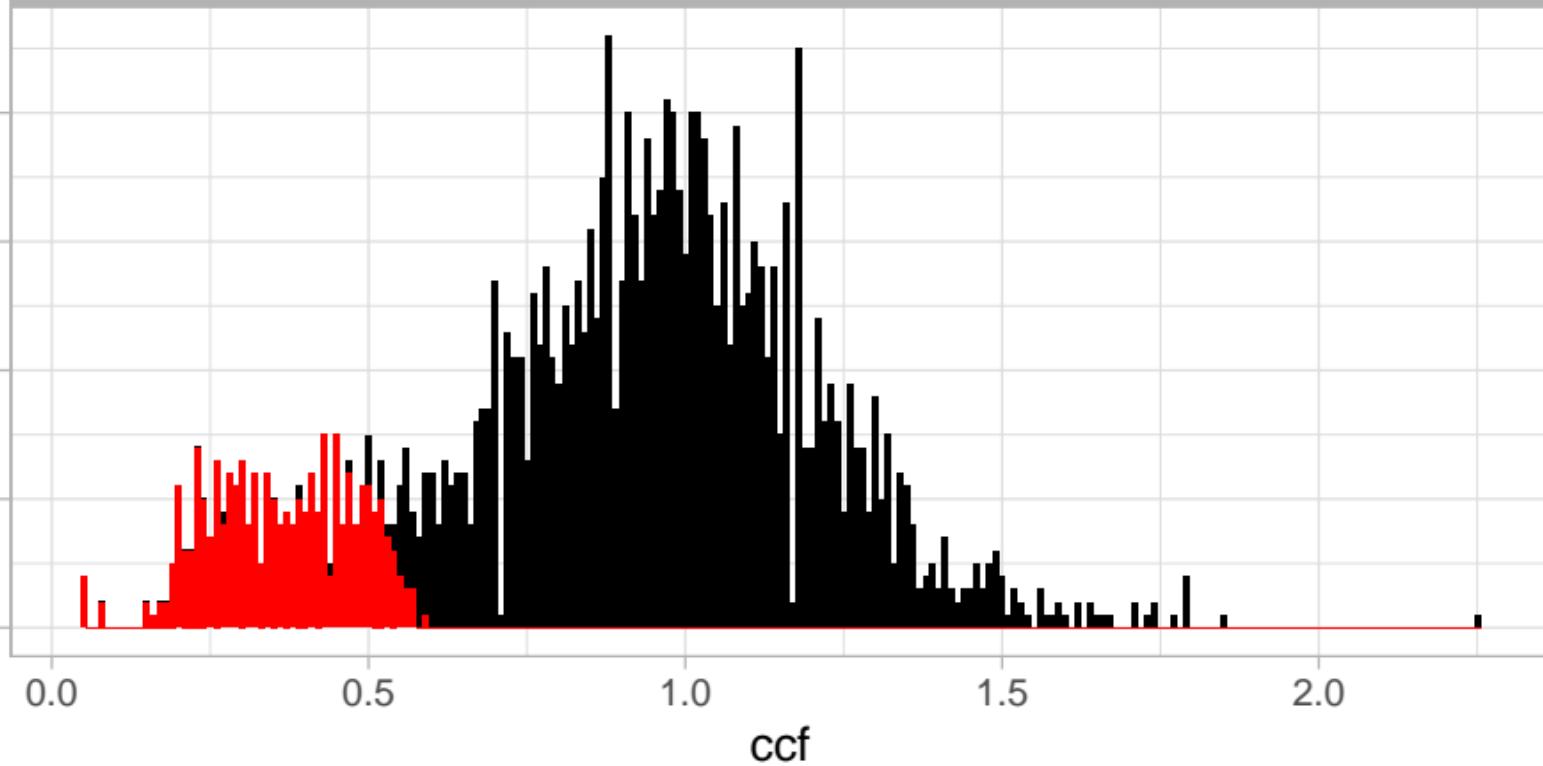
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA517258

count

75

50

25

0

0.0

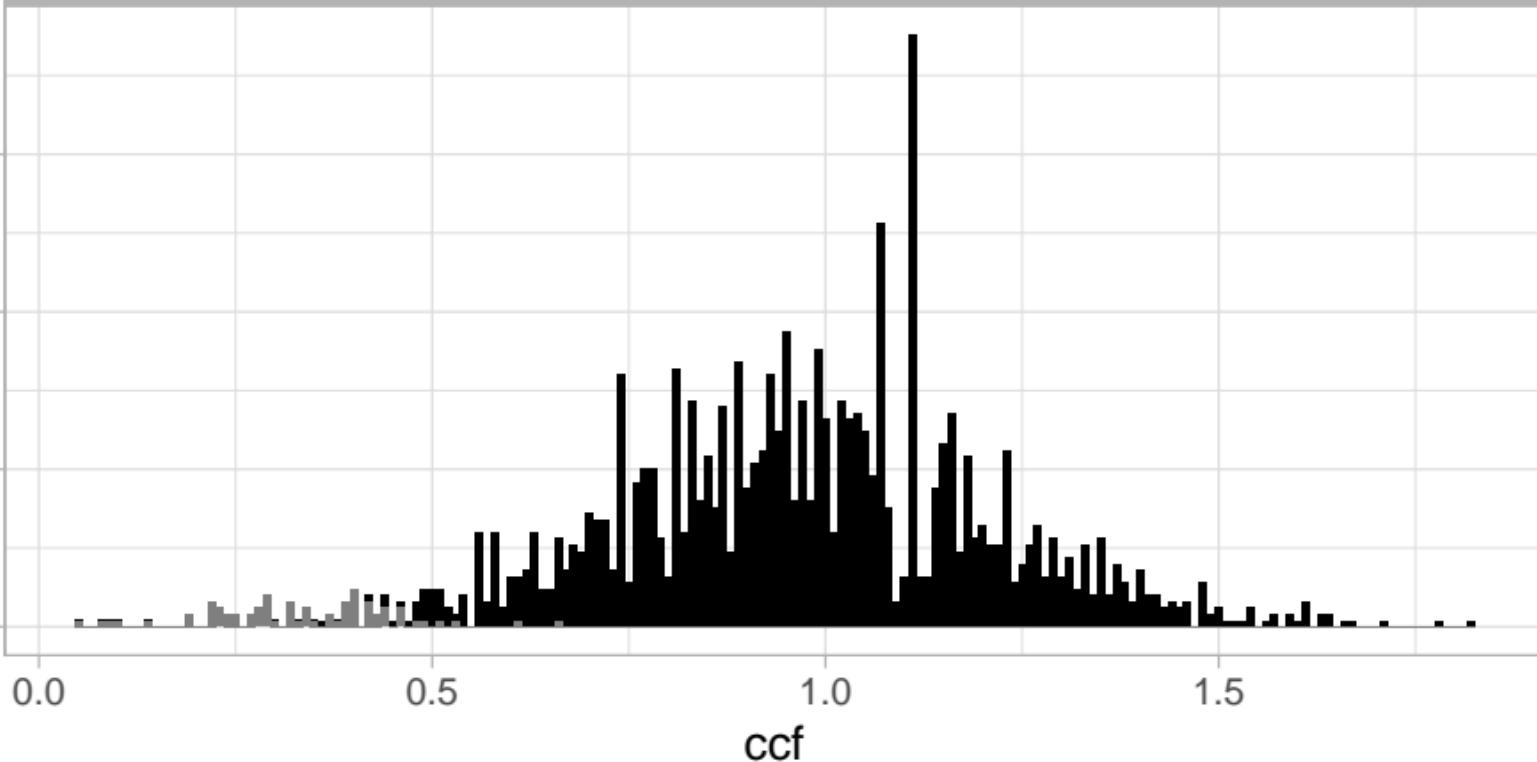
0.5

1.0

1.5

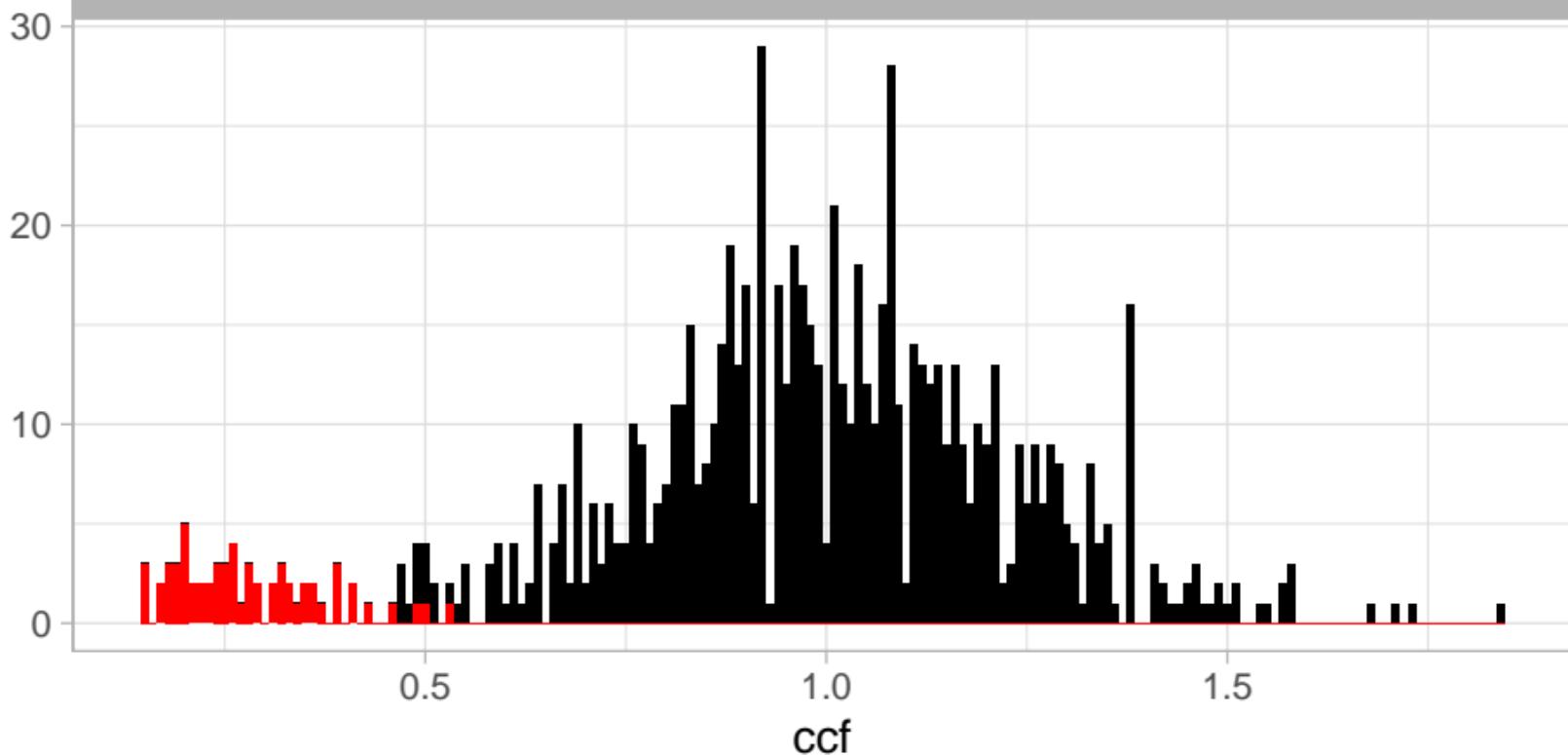
ccf

cluster tail clonal subclonal



SA542320

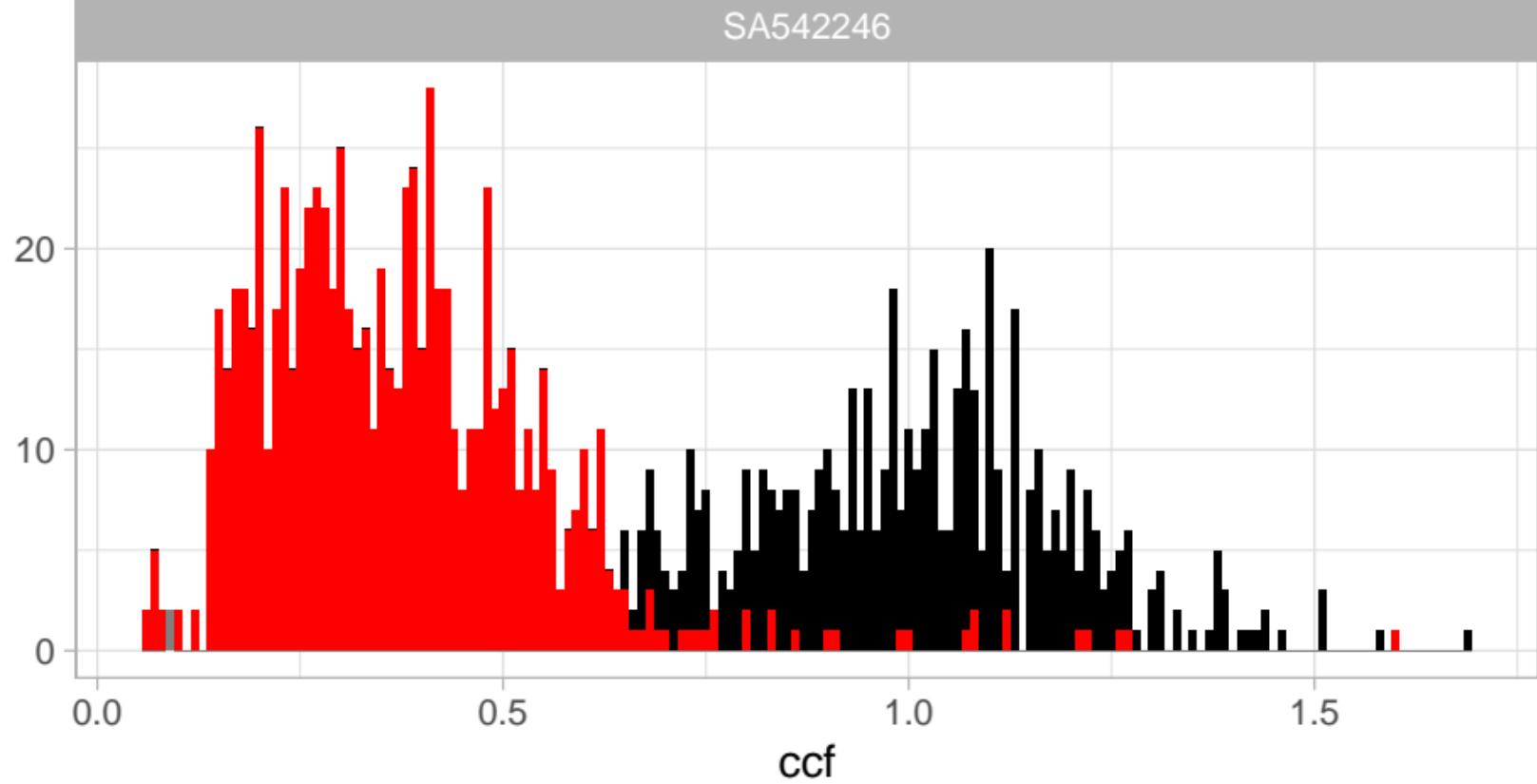
count



cluster ■ tail ■ clonal ■ subclonal

SA542246

count



cluster ■ tail ■ clonal ■ subclonal

SA542276

count

20
10
0

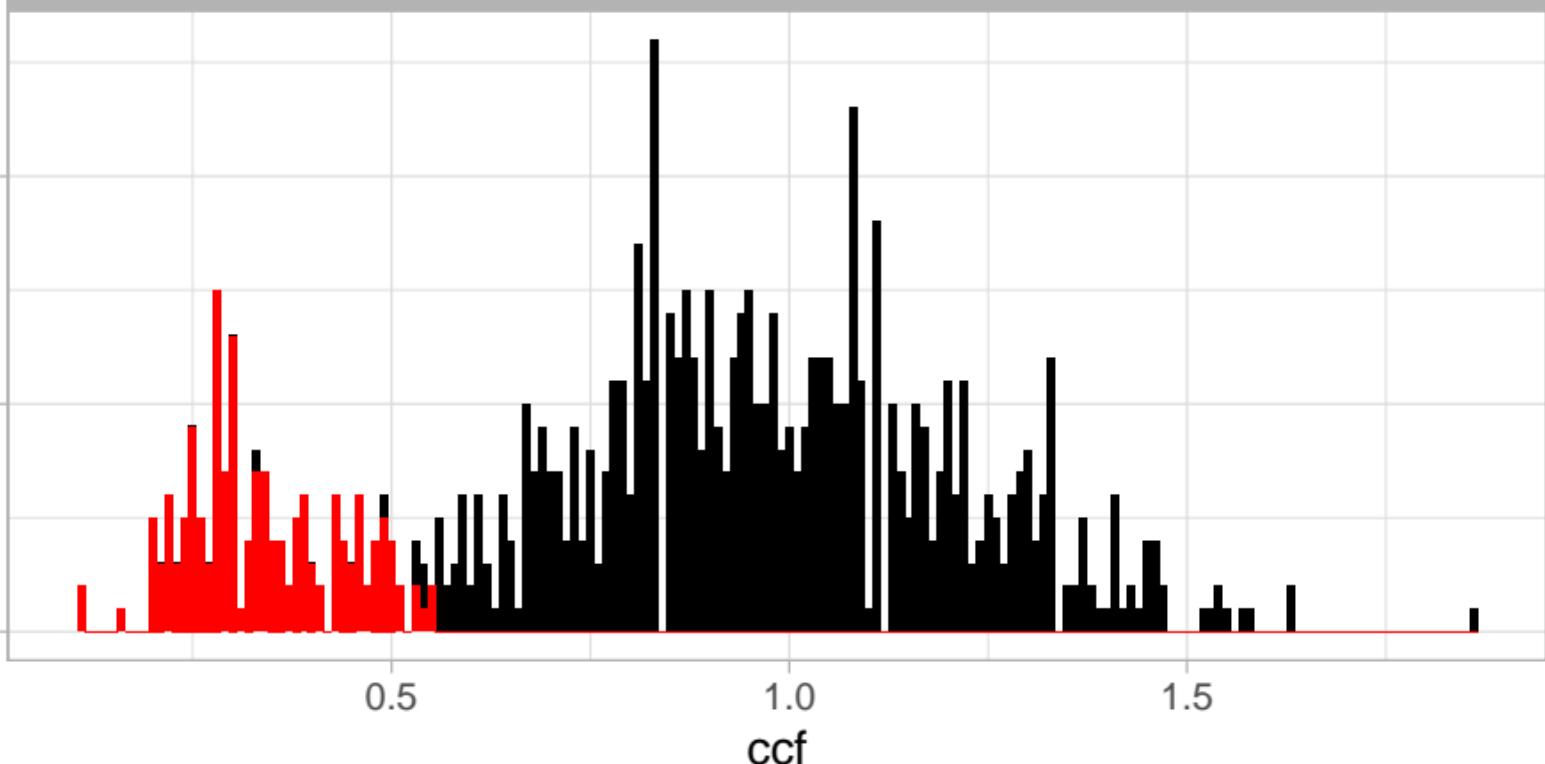
0.5

1.0

1.5

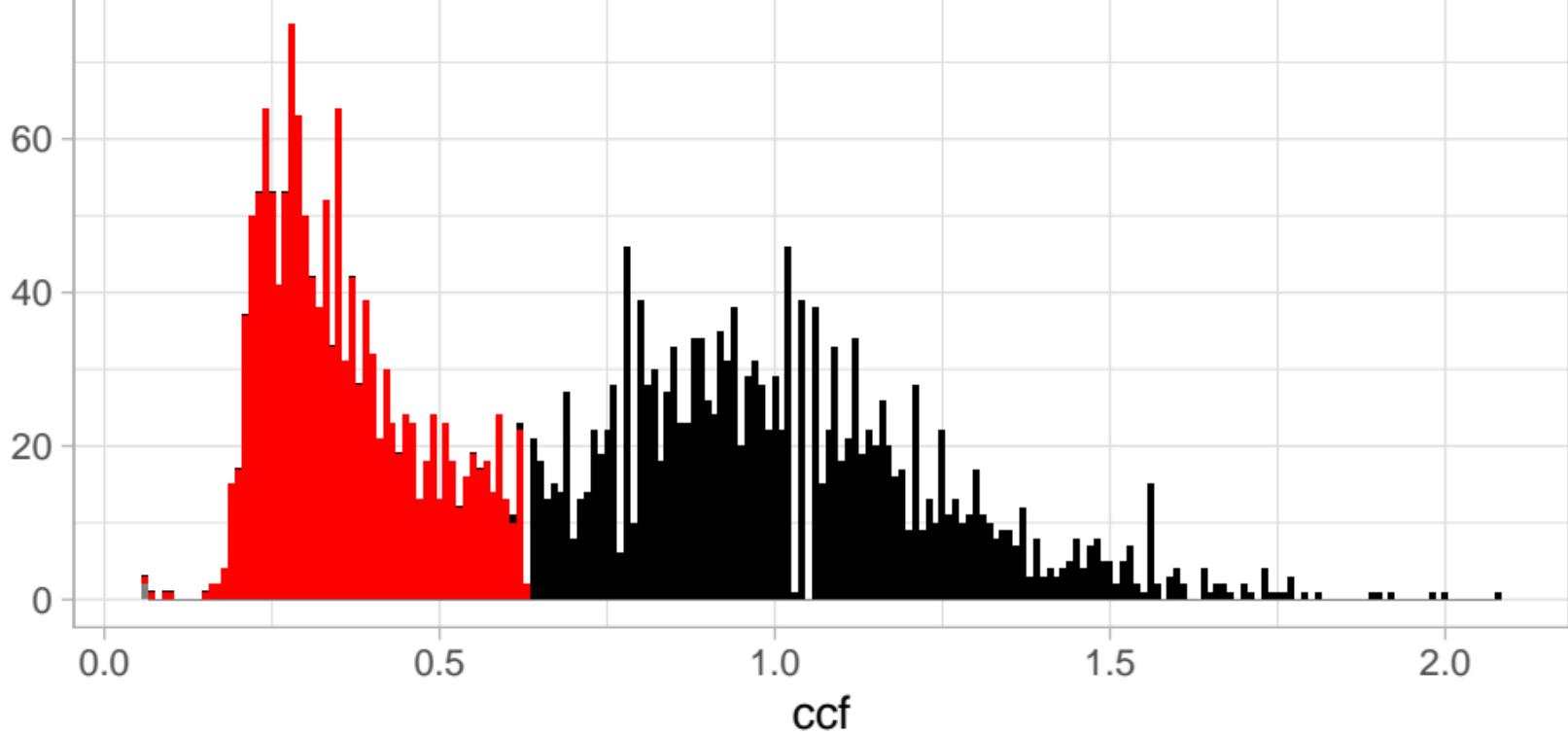
ccf

cluster tail clonal subclonal



SA542229

count



cluster ■ tail ■ clonal ■ subclonal

SA542255

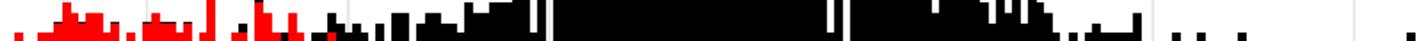
count

60
40
20
0

0.0 0.5 1.0 1.5

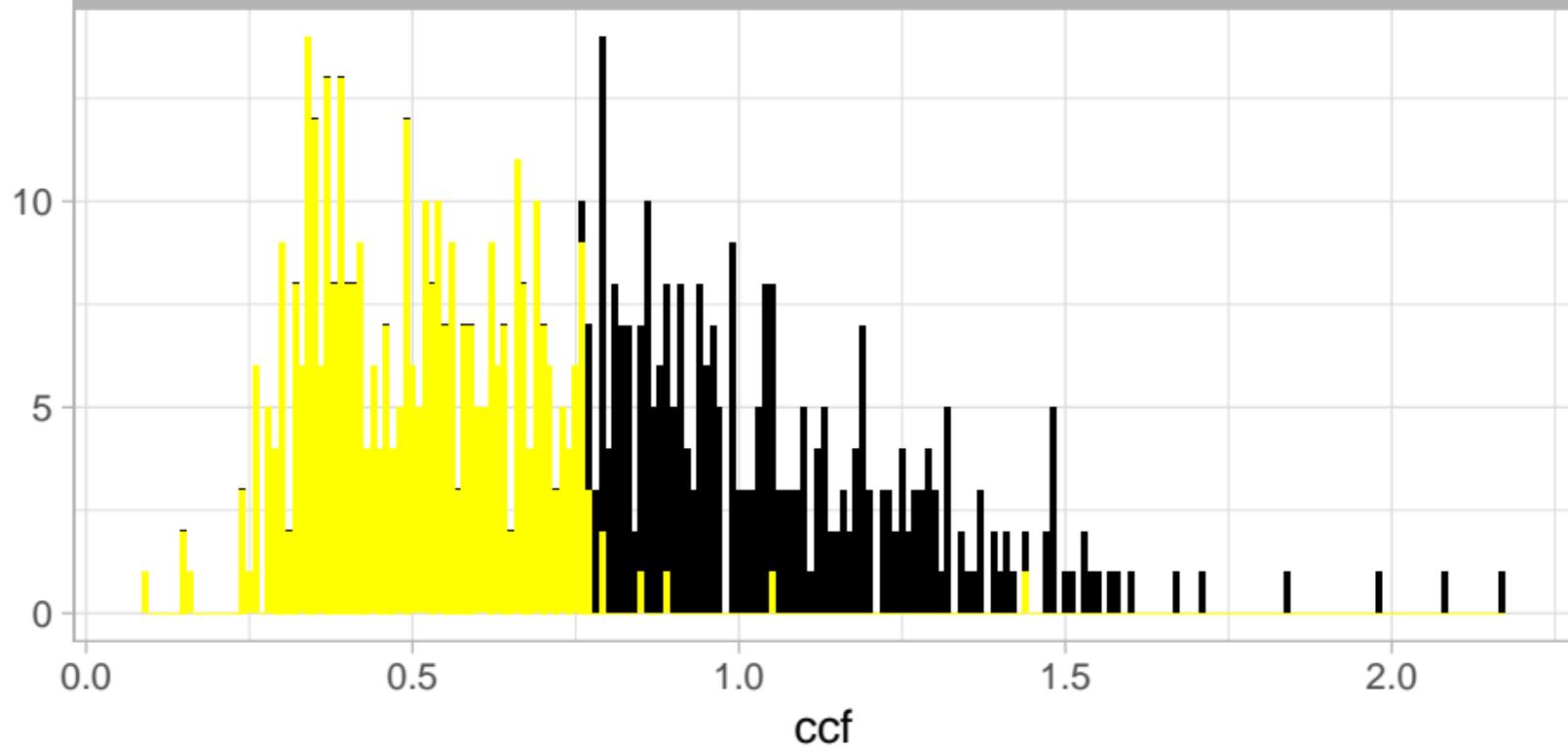
ccf

cluster ■ tail ■ clonal ■ subclonal



SA542300

count



cluster ■ tail ■ clonal ■ subclonal

SA542265

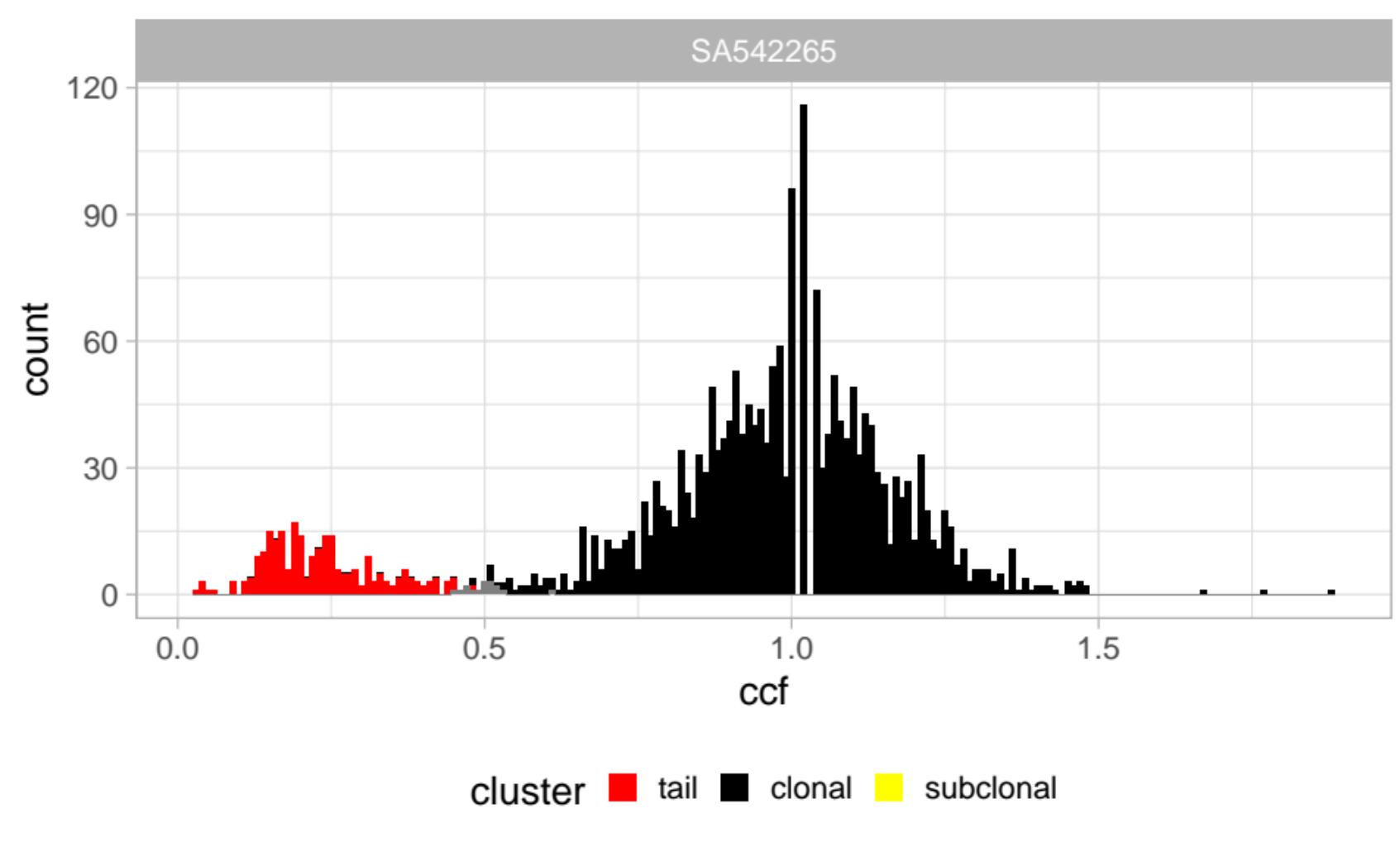
count

120
90
60
30
0

0.0 0.5 1.0 1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542232

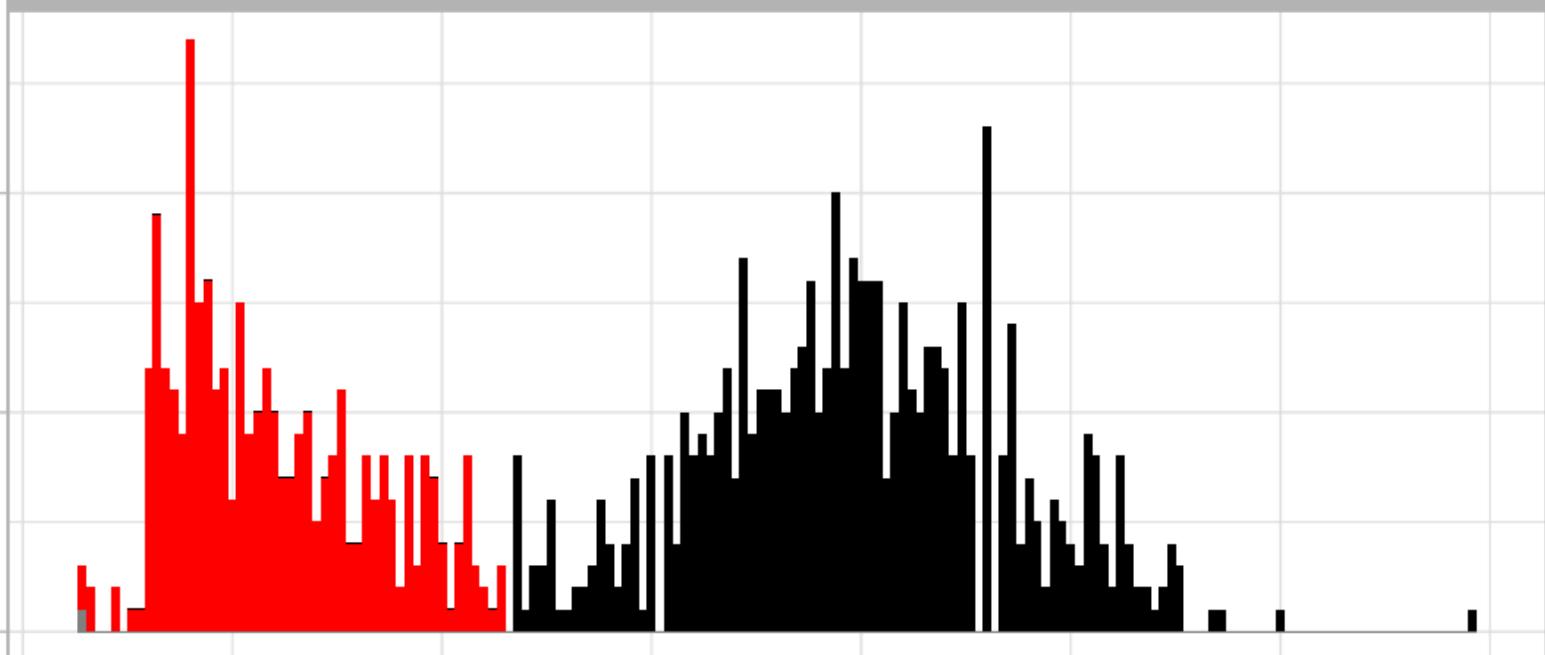
count

20
10
0

0.0 1.0 1.5

ccf

cluster tail clonal subclonal



SA542308

count

80

60

40

20

0

0.0

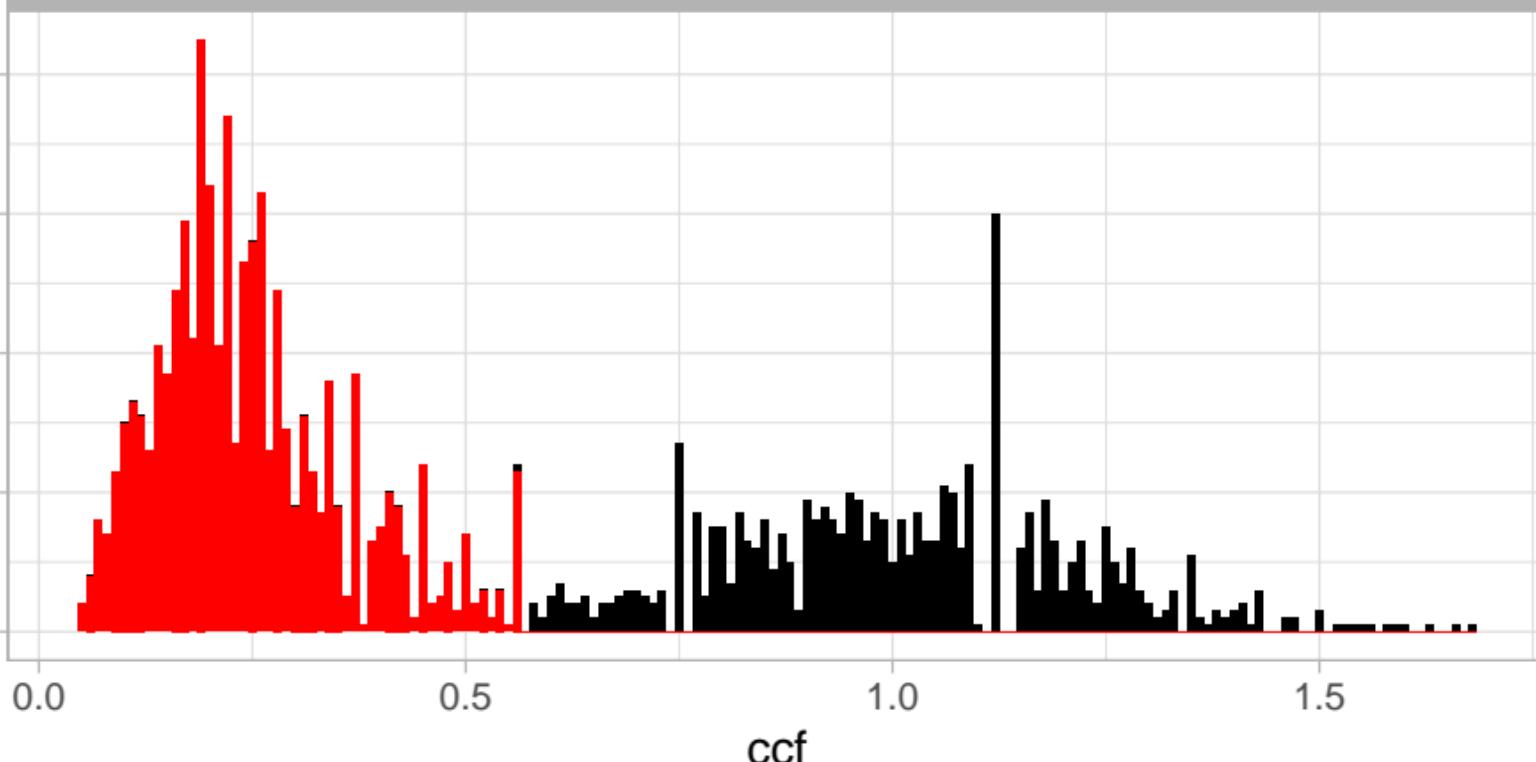
0.5

1.0

1.5

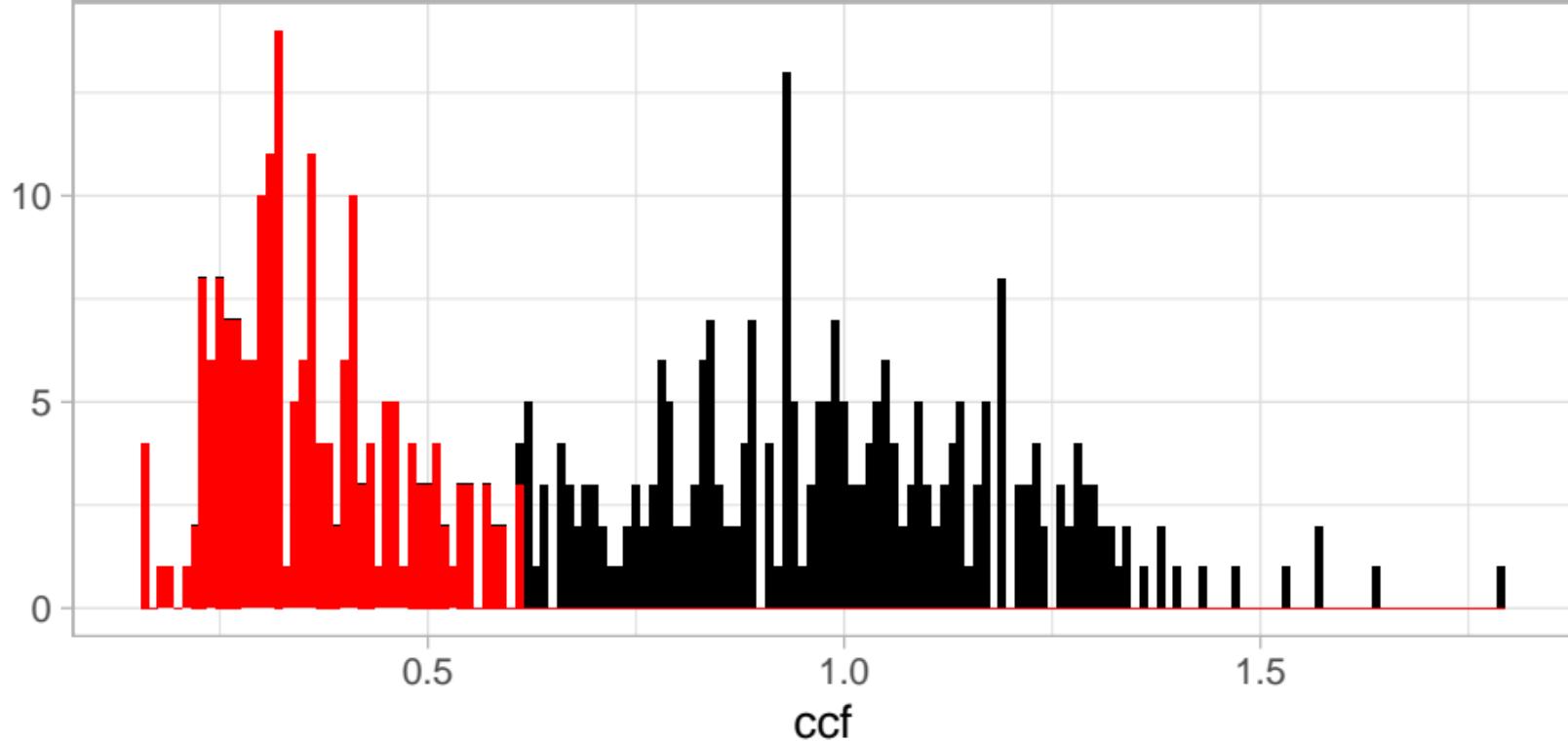
ccf

cluster tail clonal subclonal



SA542290

count



cluster ■ tail ■ clonal ■ subclonal

SA542233

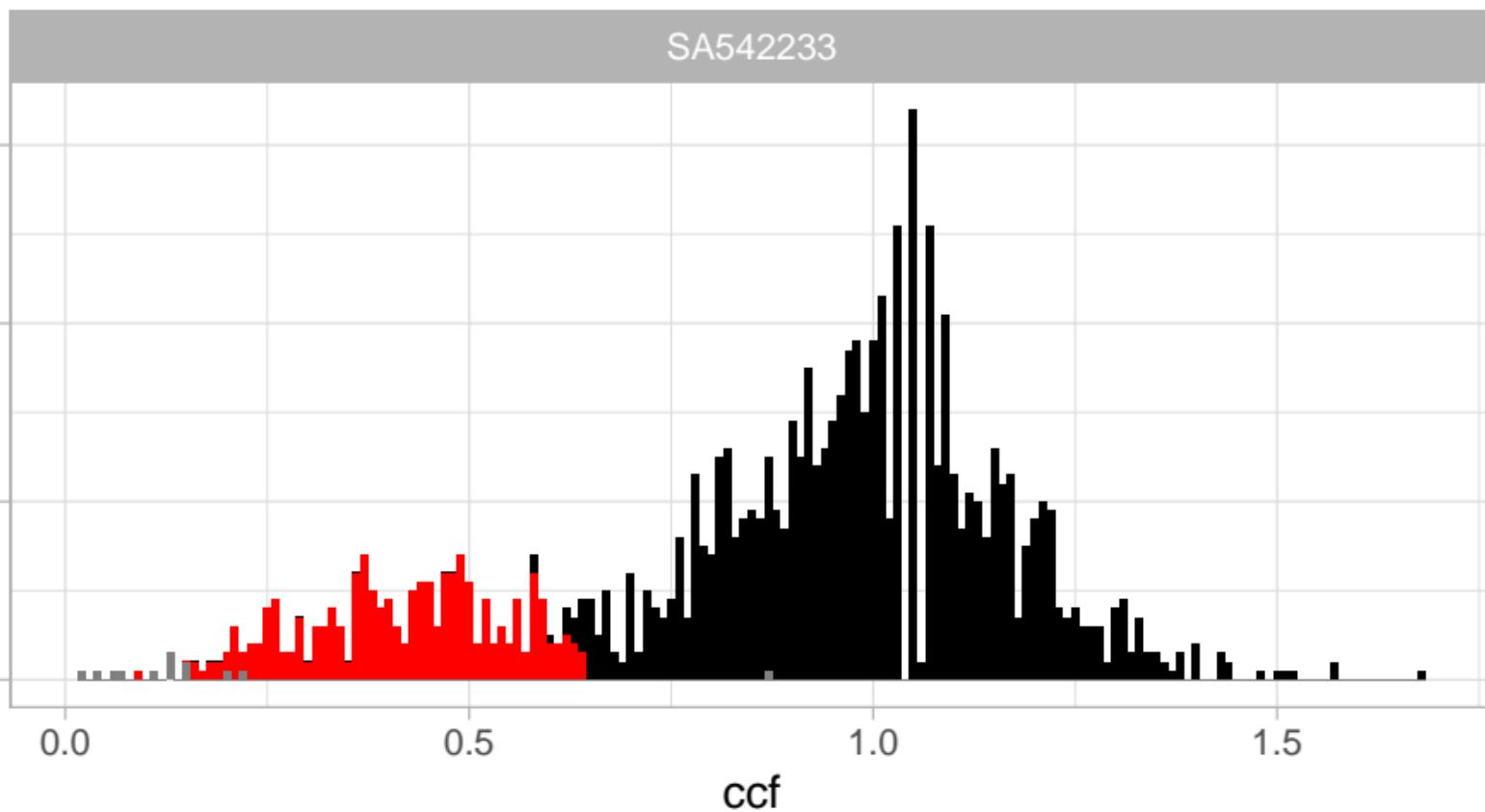
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542245

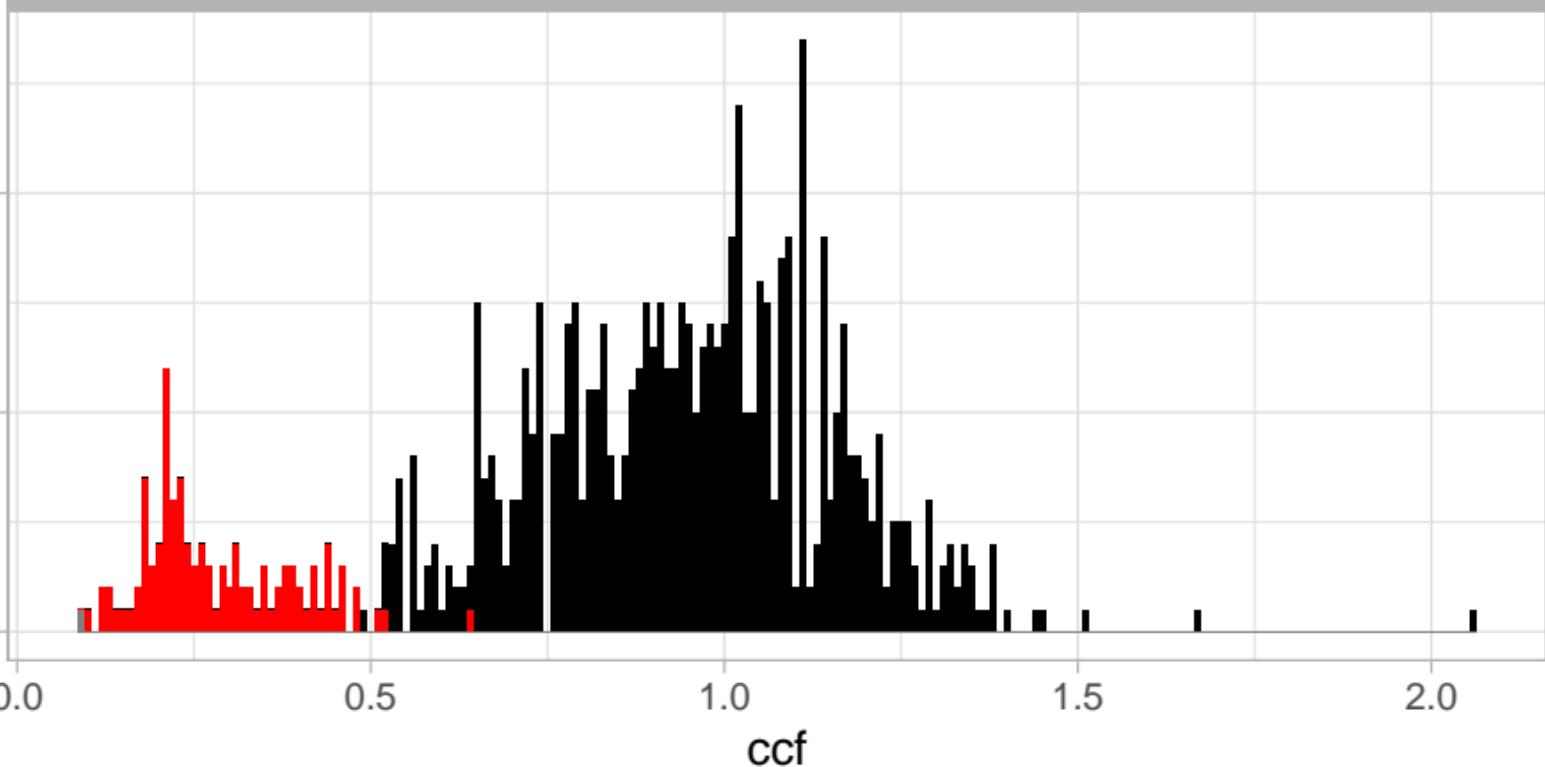
count

20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542301

count

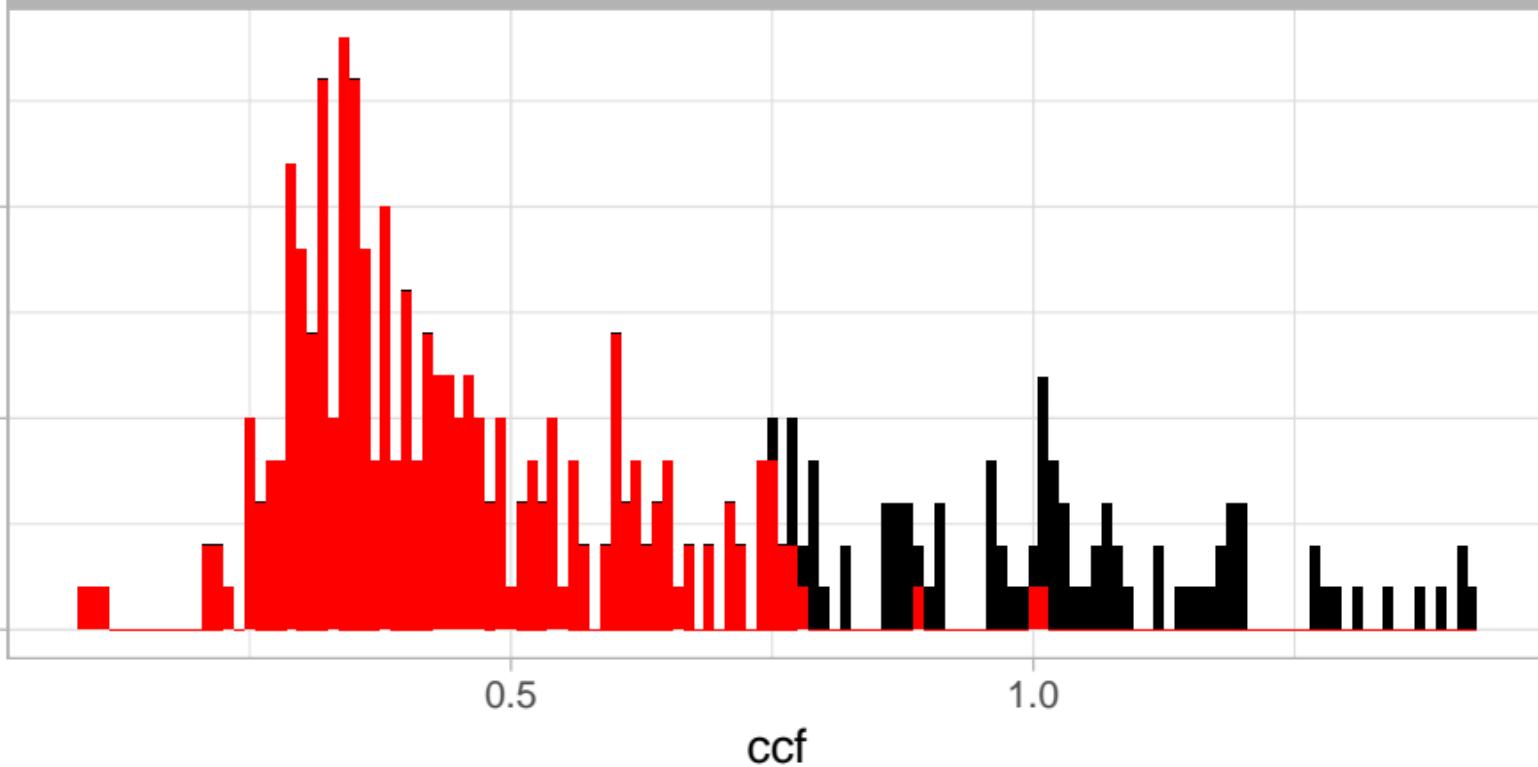
10
5
0

0.5

1.0

ccf

cluster tail clonal subclonal



SA542277

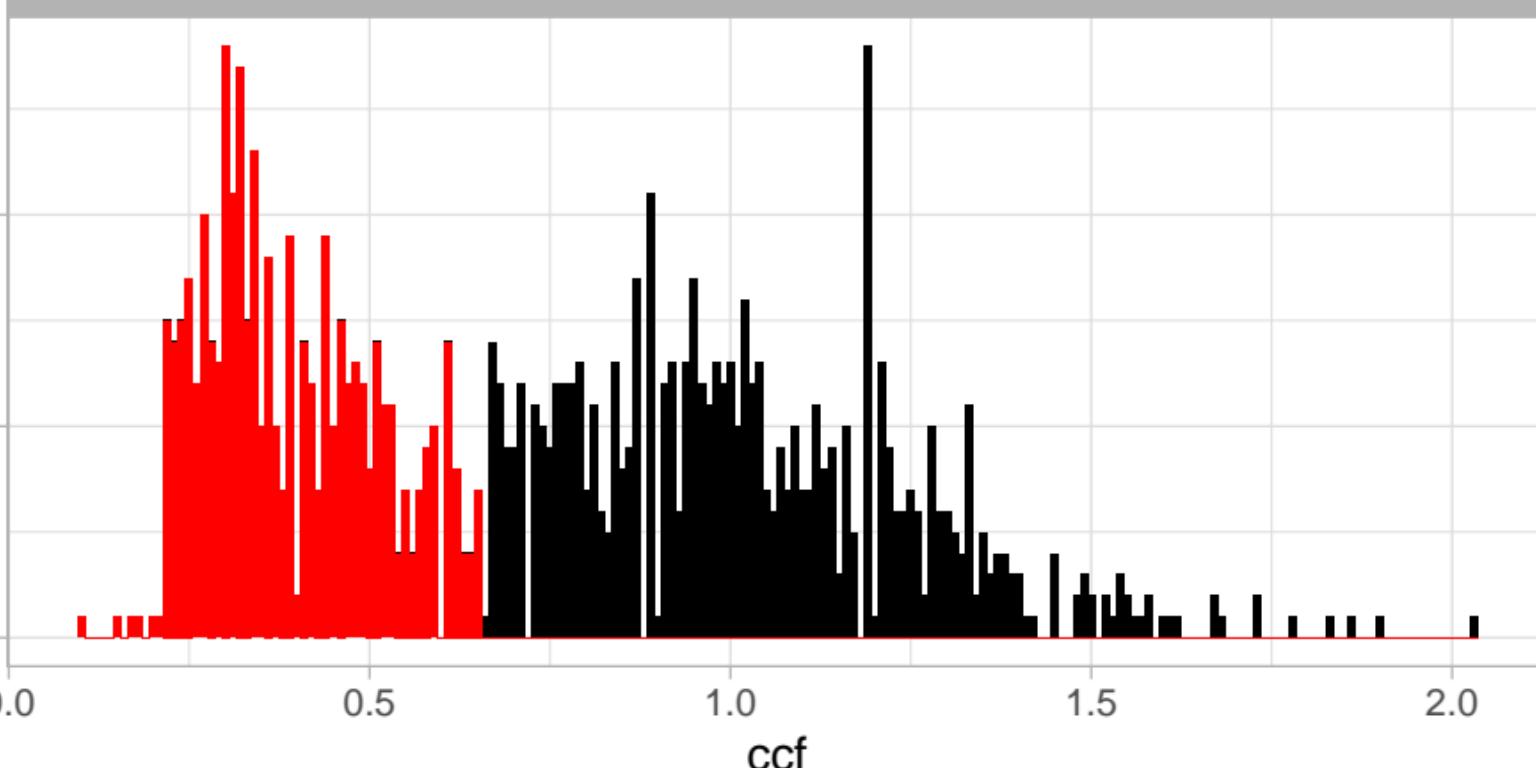
count

20
10
0

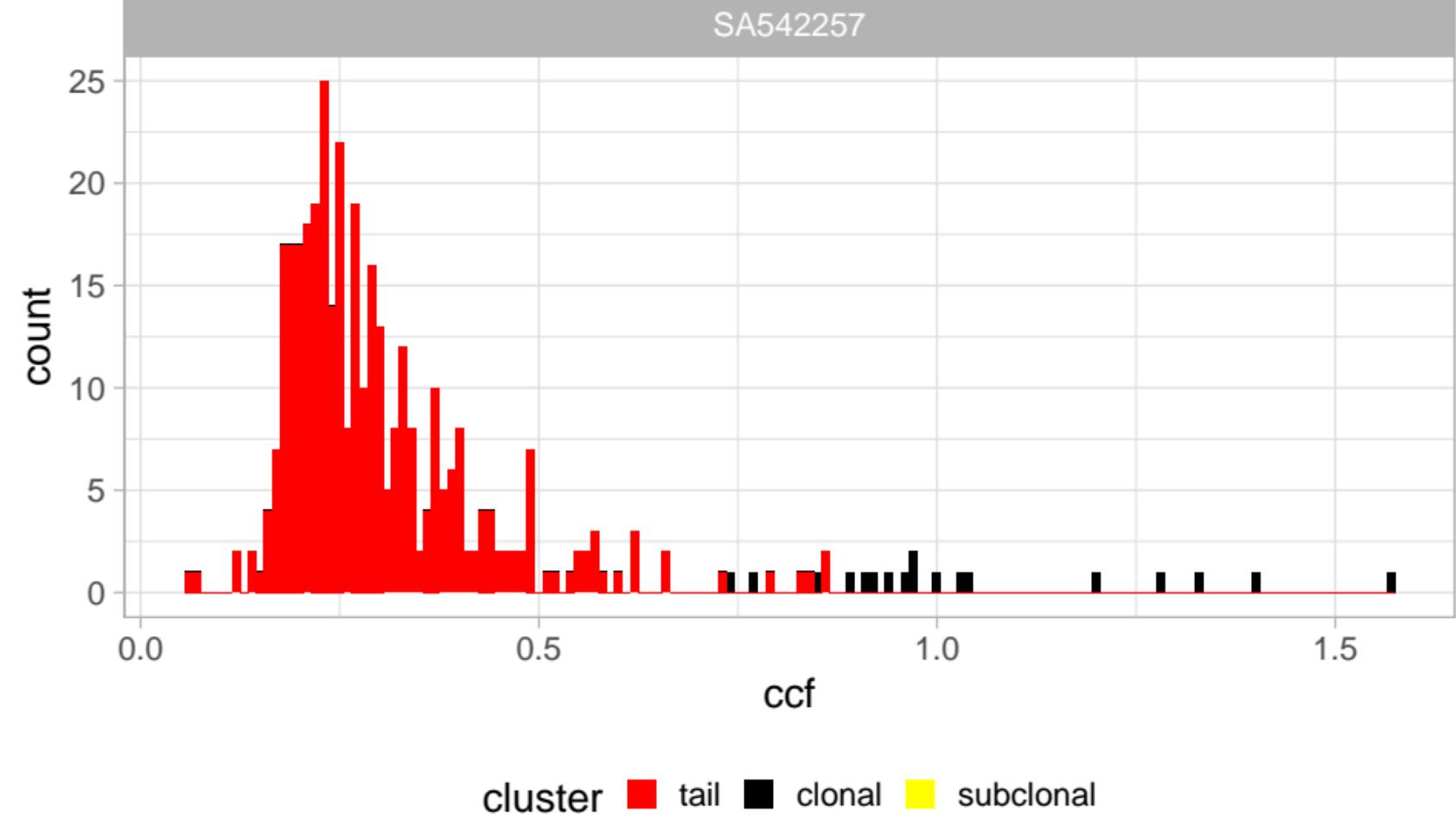
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542257



SA542222

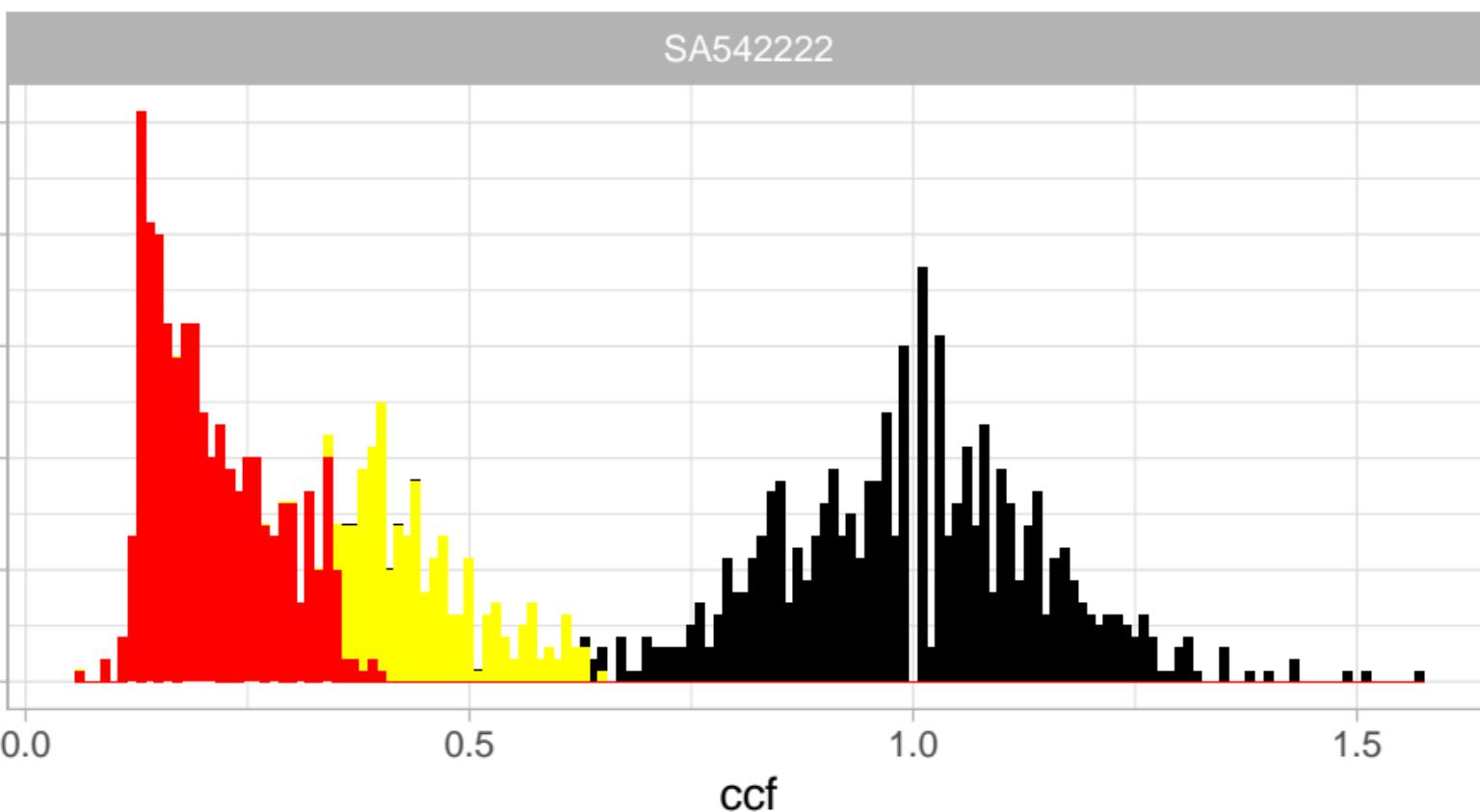
count

50
40
30
20
10
0

0.0 0.5 1.0 1.5

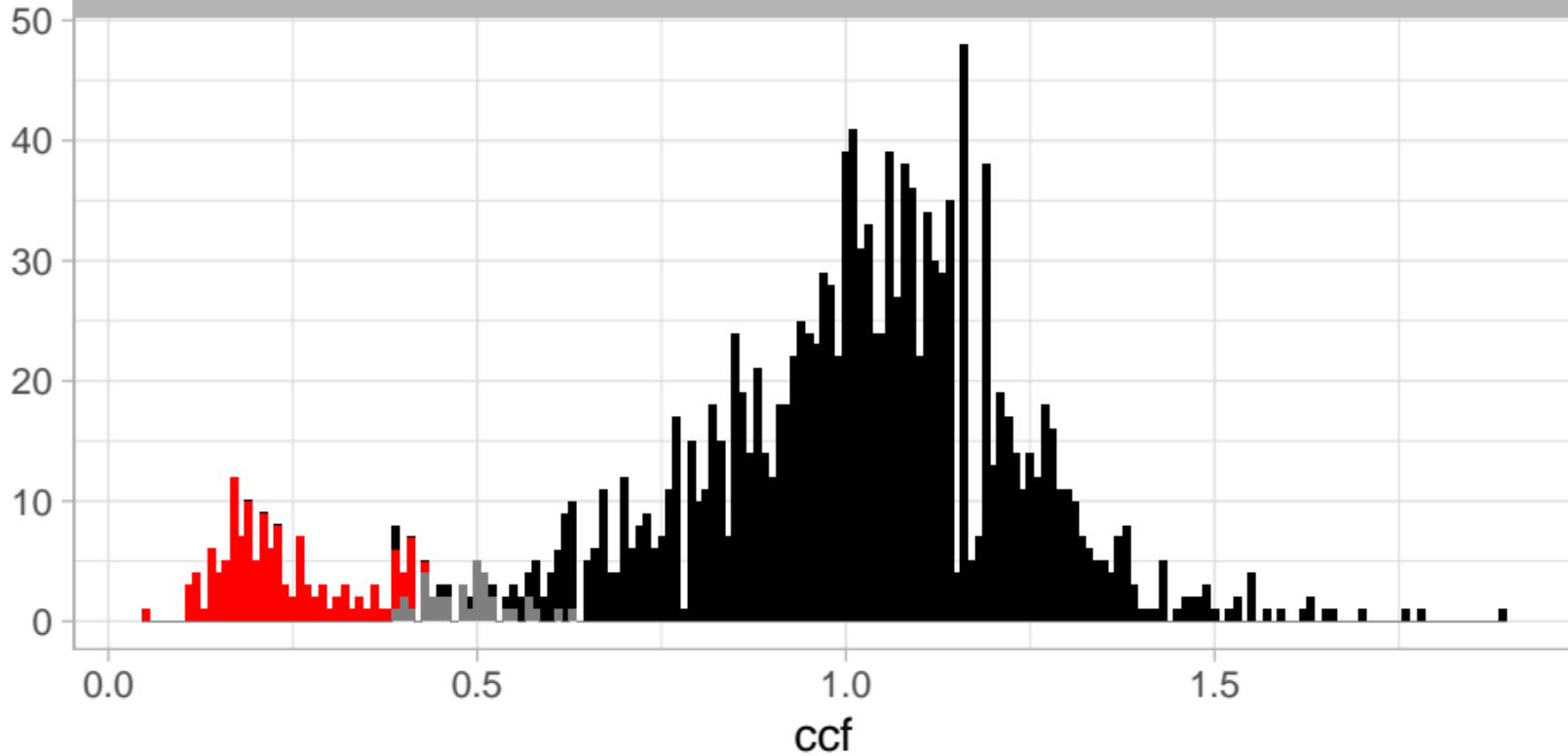
ccf

cluster tail clonal subclonal



SA542268

count



cluster ■ tail ■ clonal ■ subclonal

SA542292

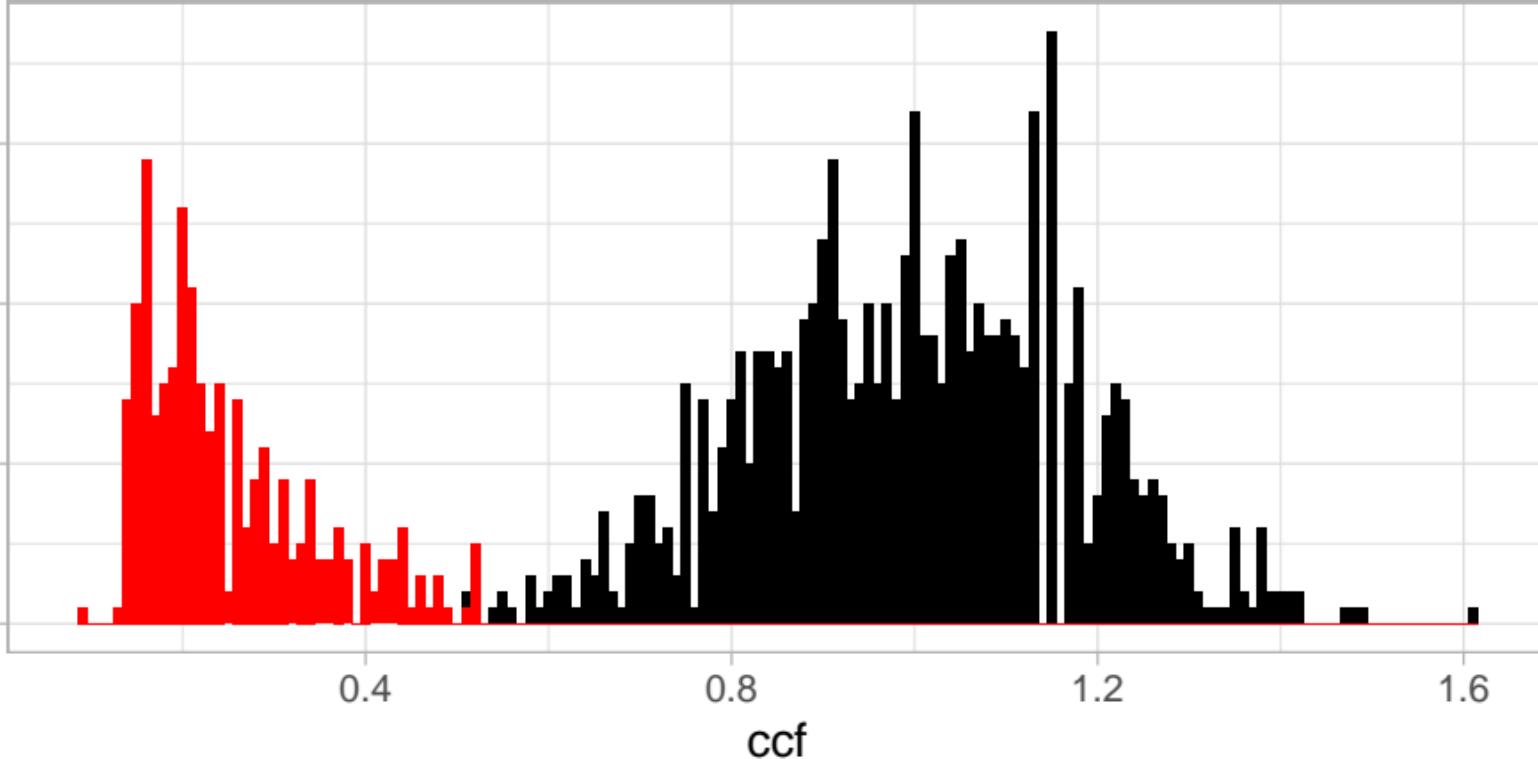
count

30
20
10
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA542228

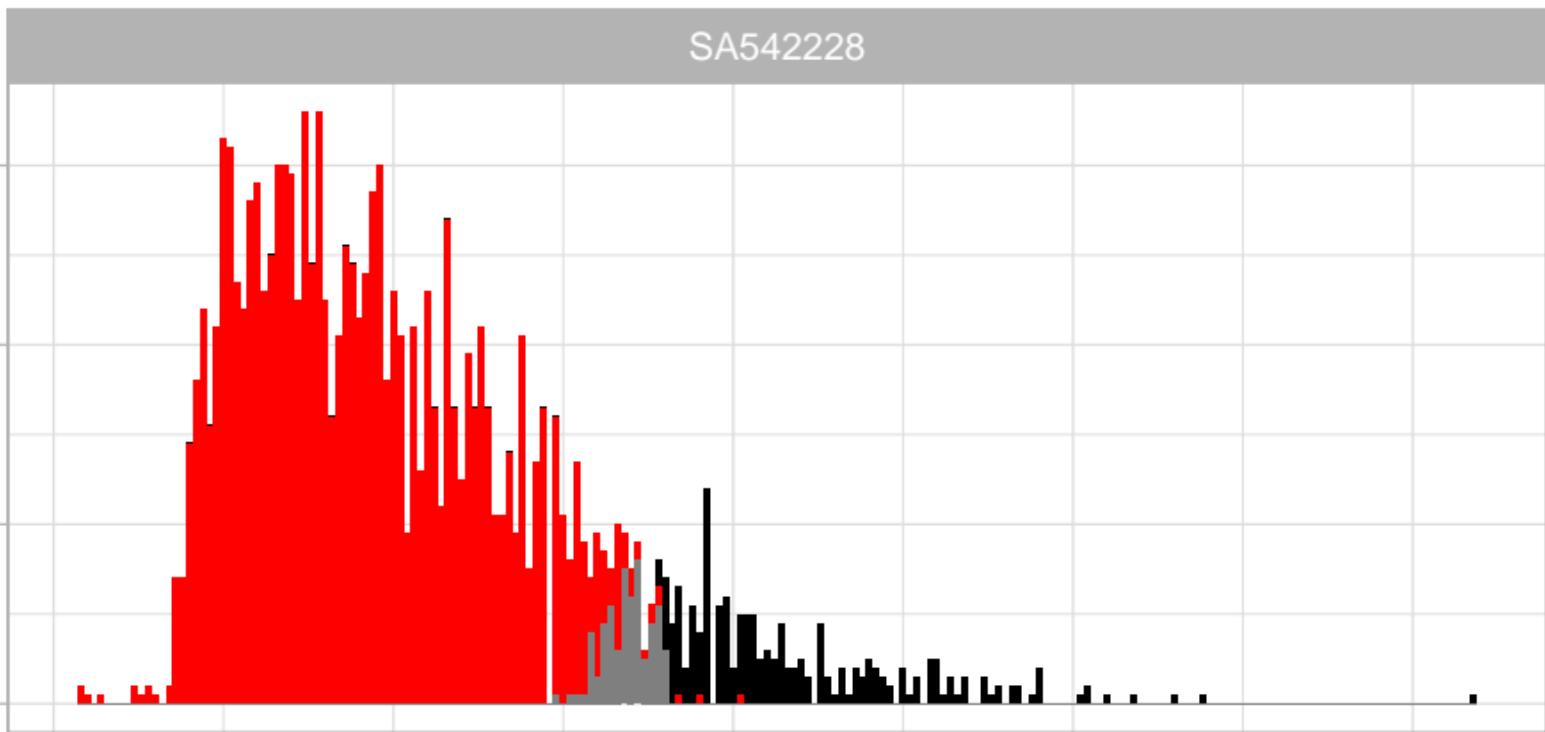
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542258

count

20

15

10

5

0

0.0

0.5

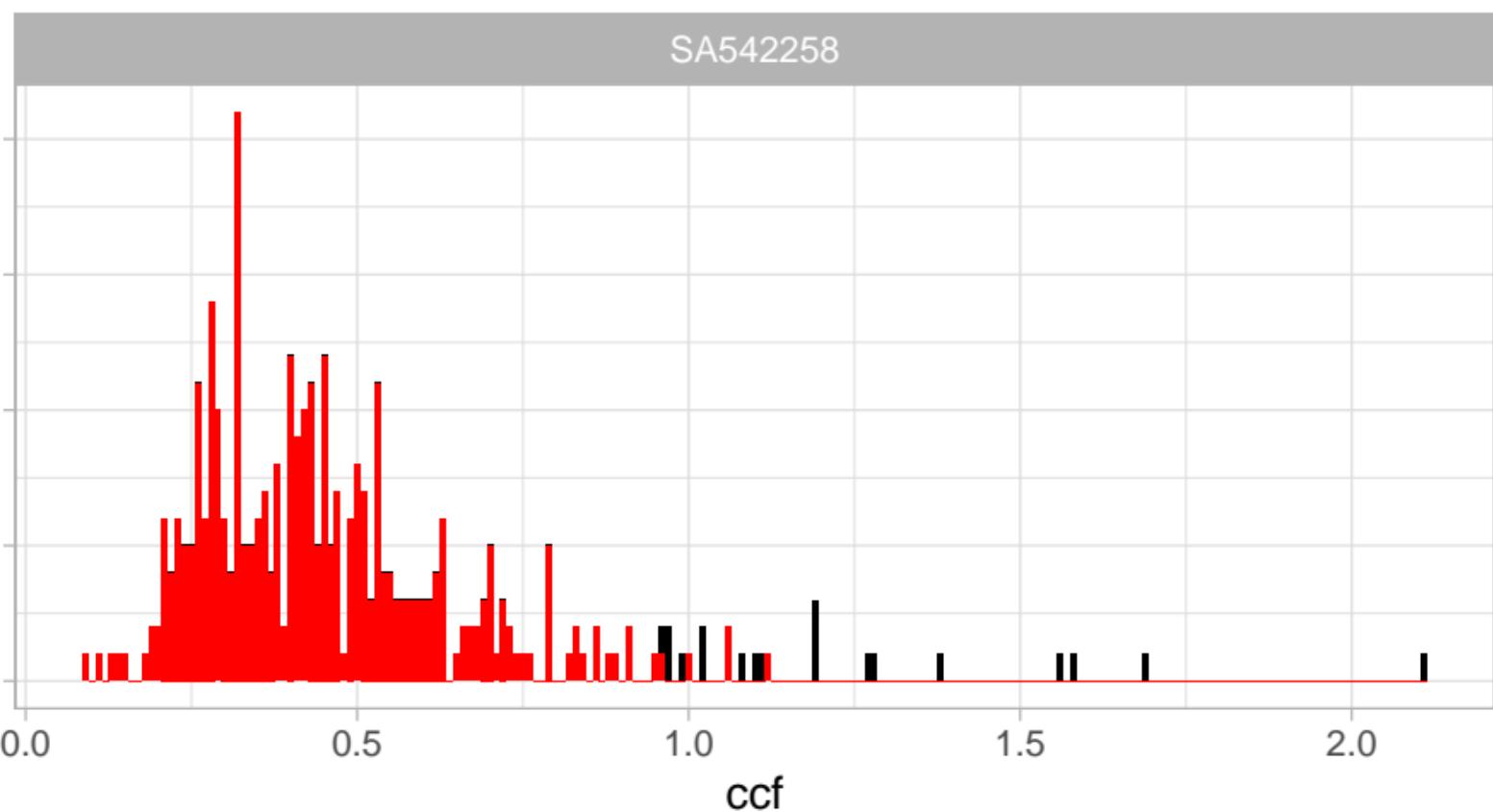
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA542304

count

20

15

10

5

0.0

1.0

1.5

ccf

cluster tail clonal subclonal

0.0

0.2

0.4

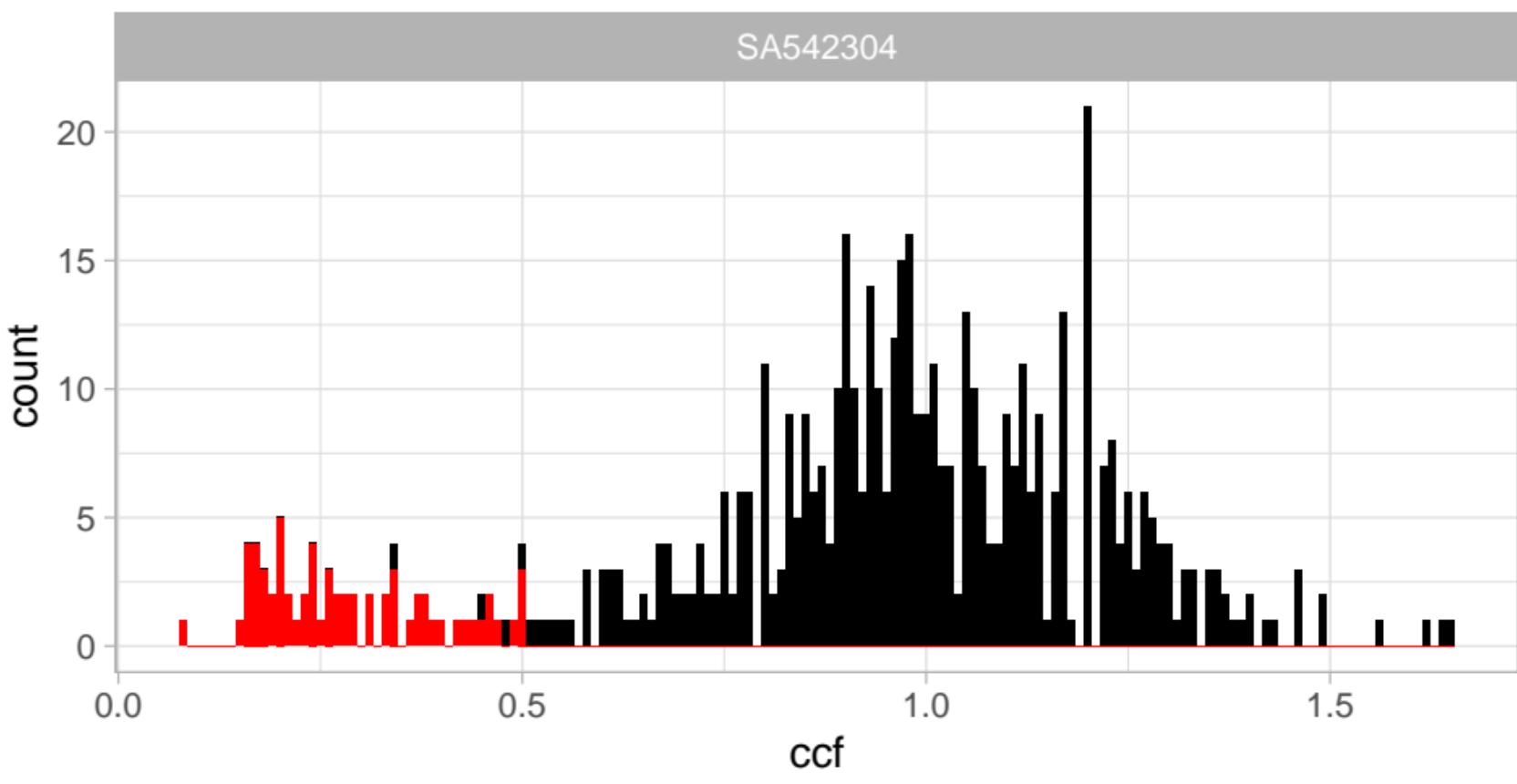
0.6

0.8

1.0

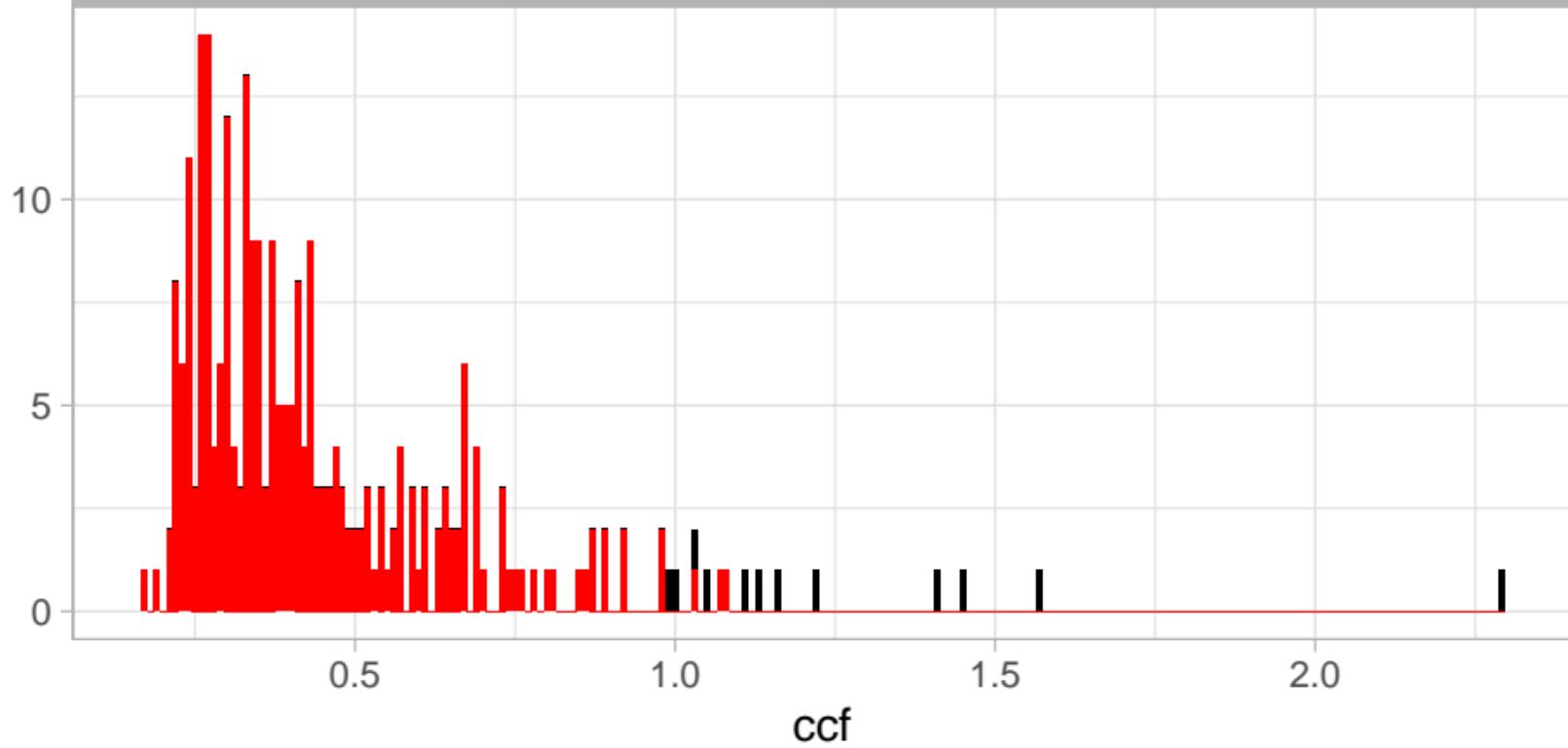
1.2

1.4



SA542279

count



cluster ■ tail ■ clonal ■ subclonal

SA542314

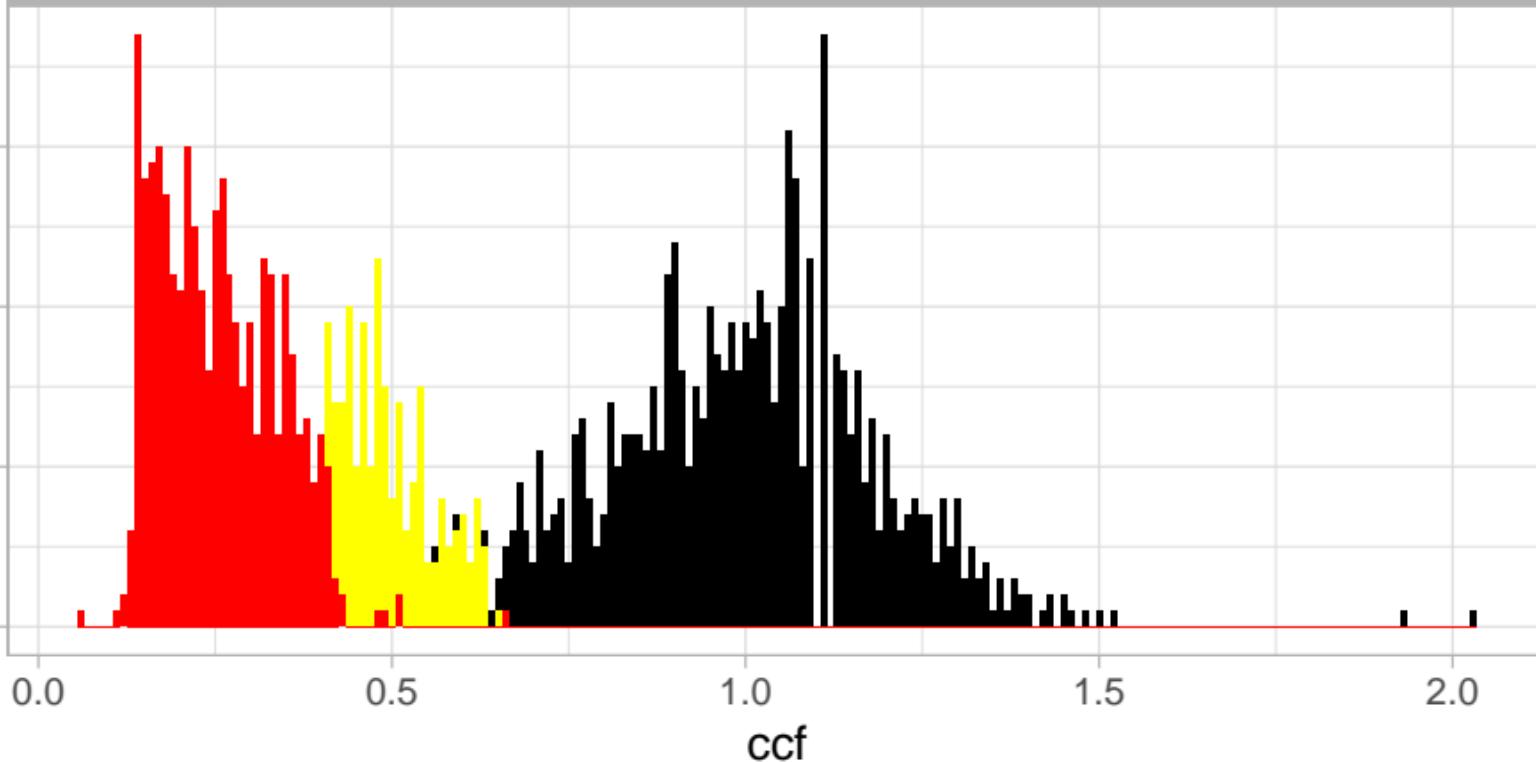
count

30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542249

count

80
60
40
20
0

0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542267

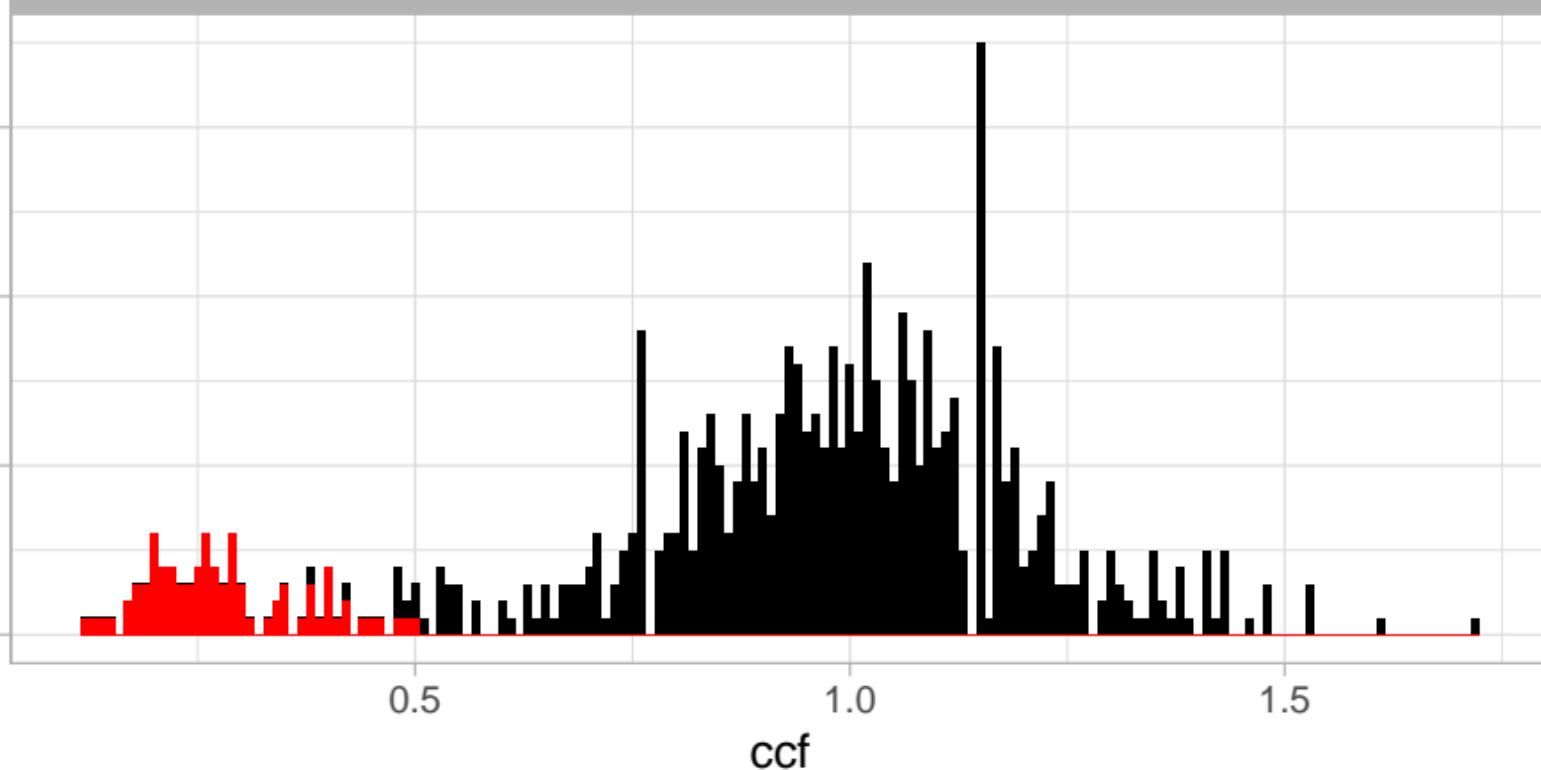
count

30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542220

count

20

15

10

5

0

0.5

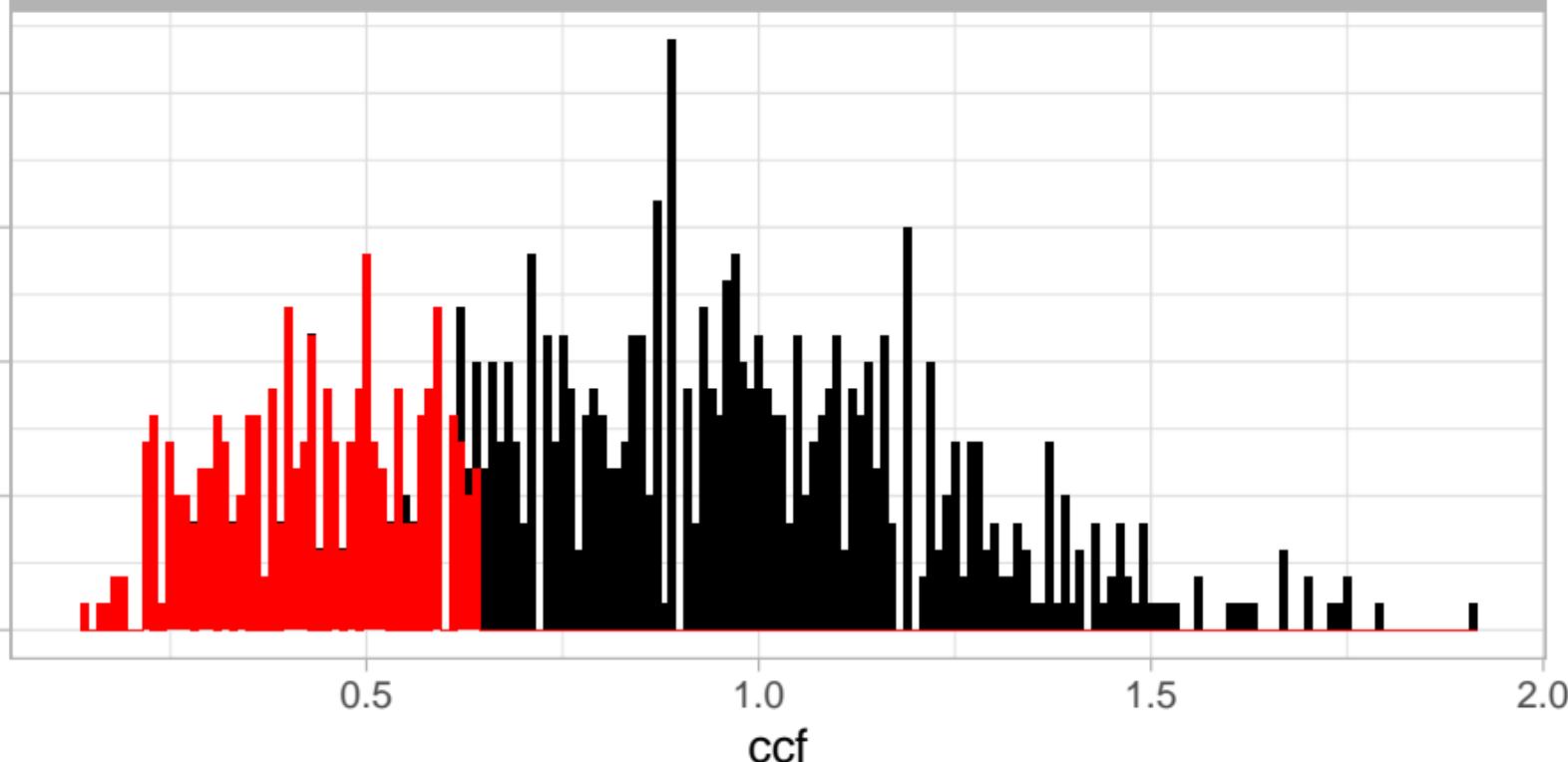
1.0

1.5

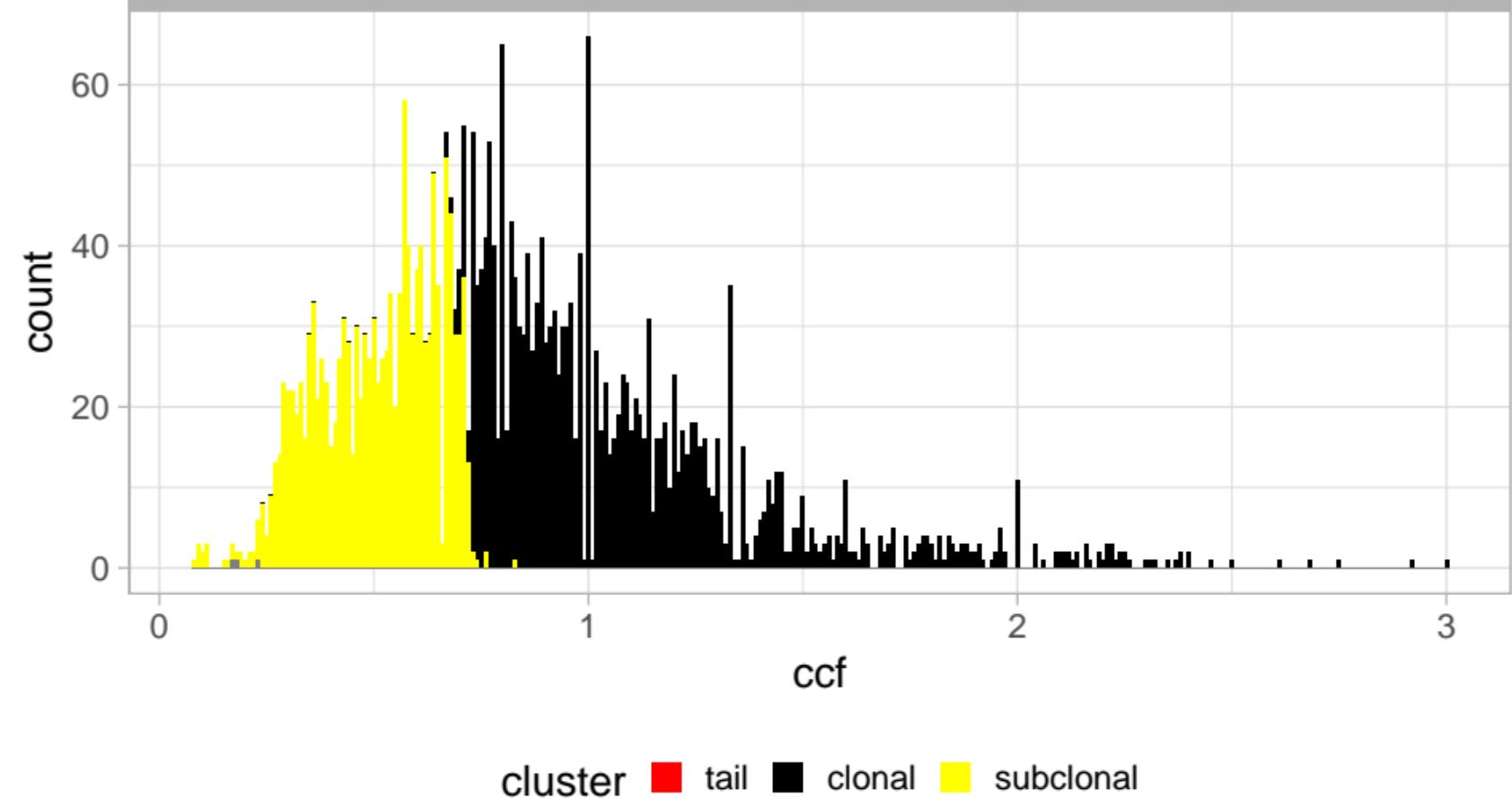
2.0

ccf

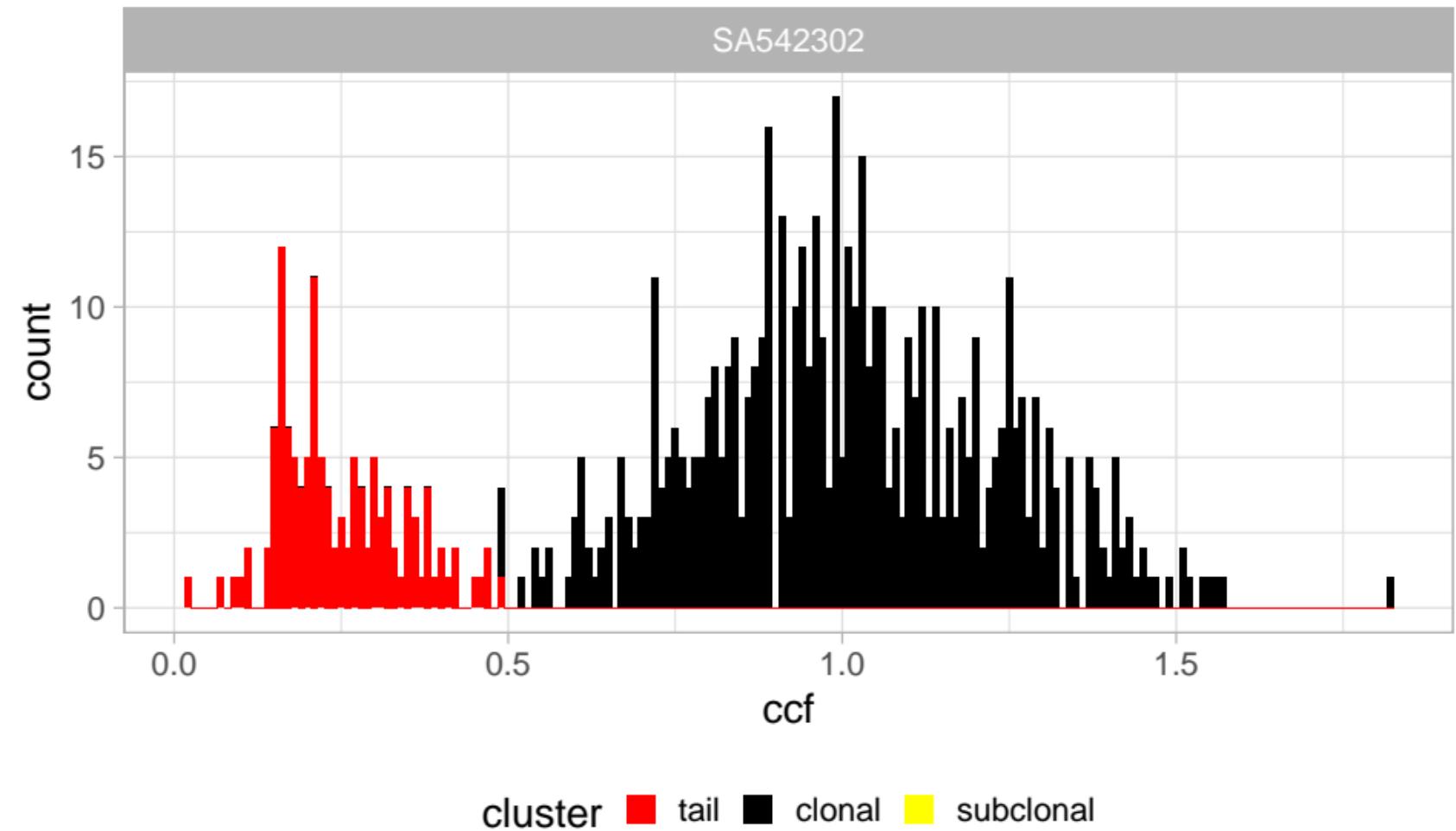
cluster ■ tail ■ clonal ■ subclonal



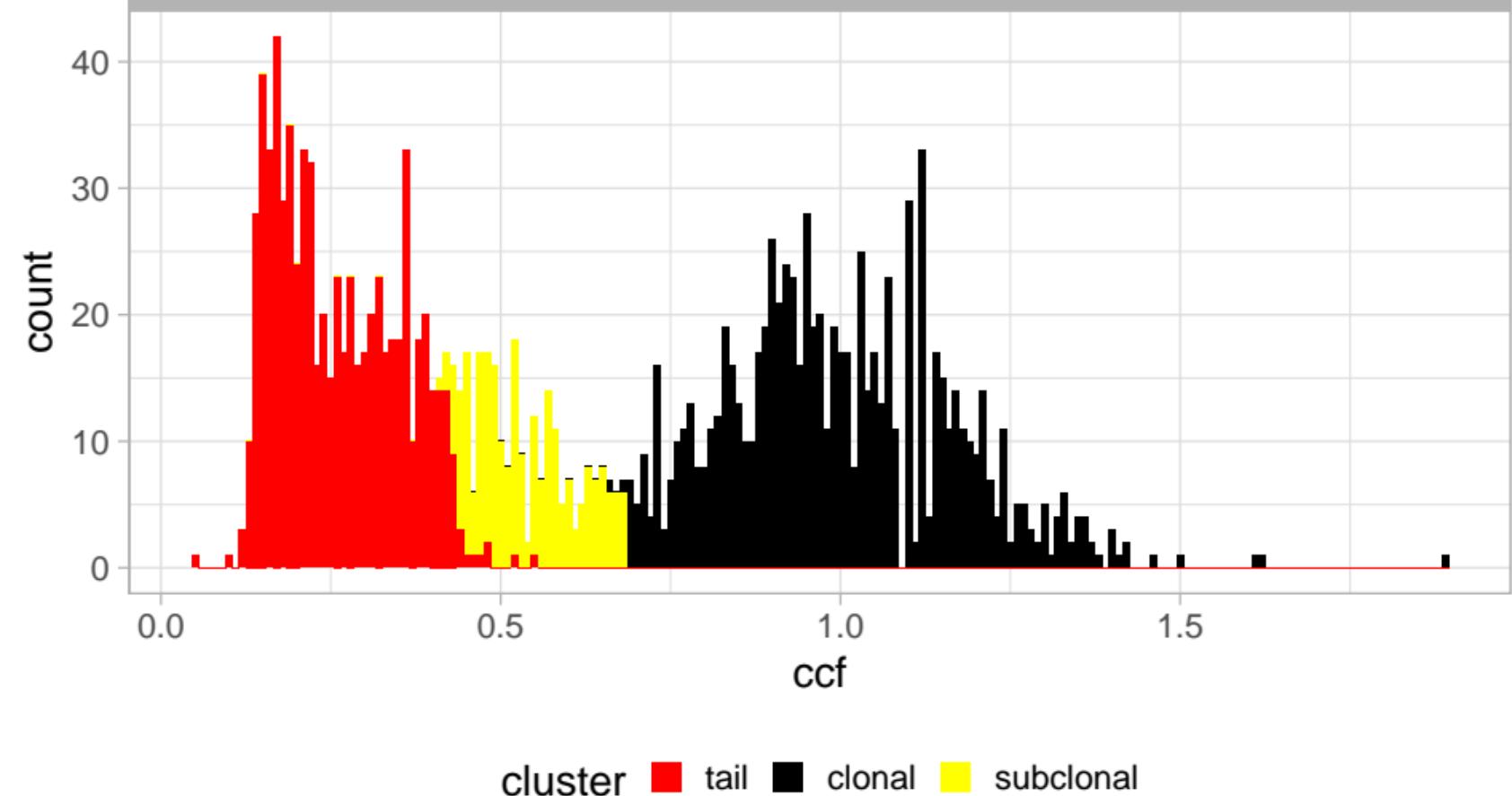
SA542235



SA542302



SA542312



SA542221

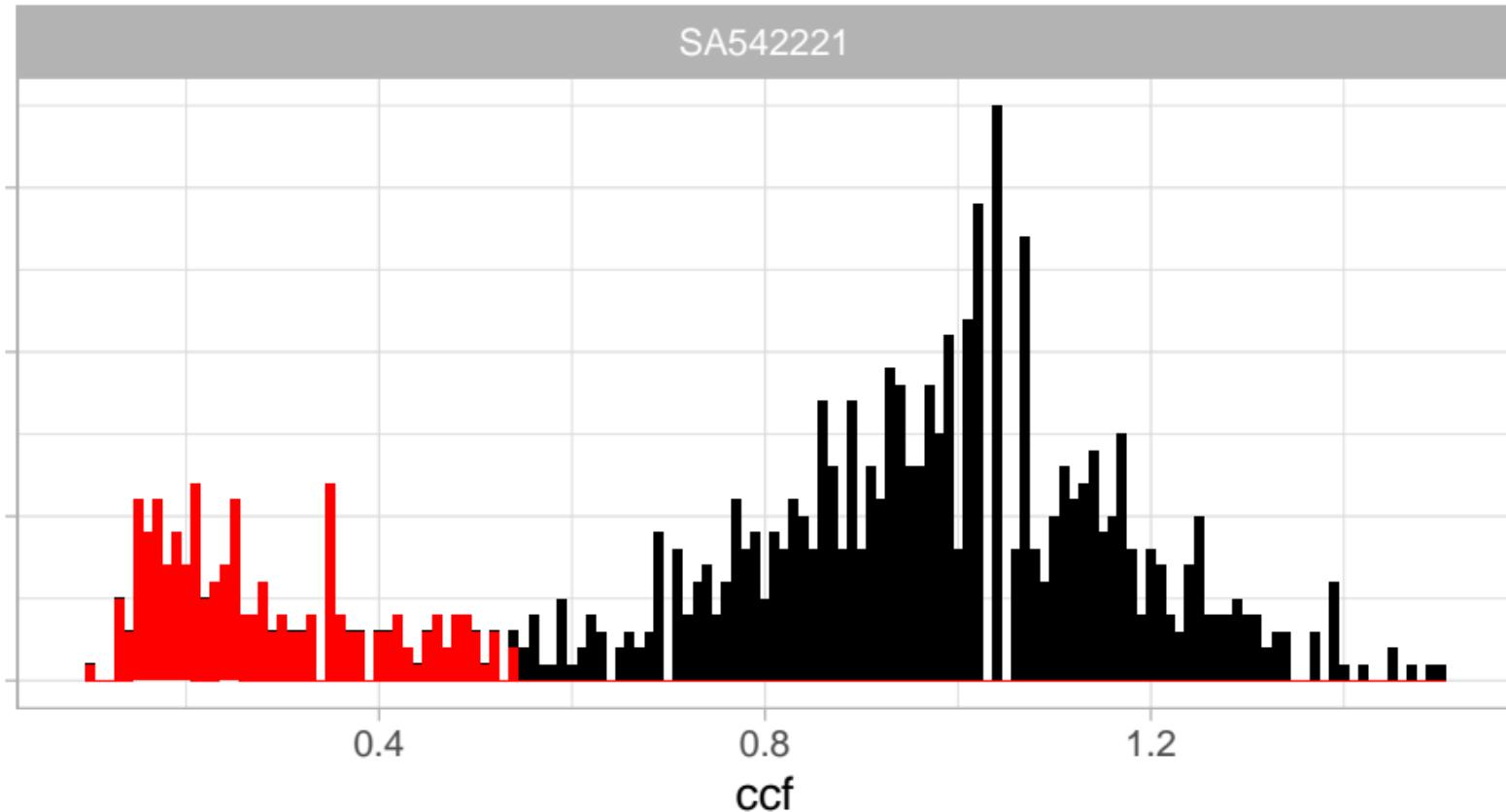
count

30
20
10
0

0.4

ccf

cluster tail clonal subclonal



SA542248

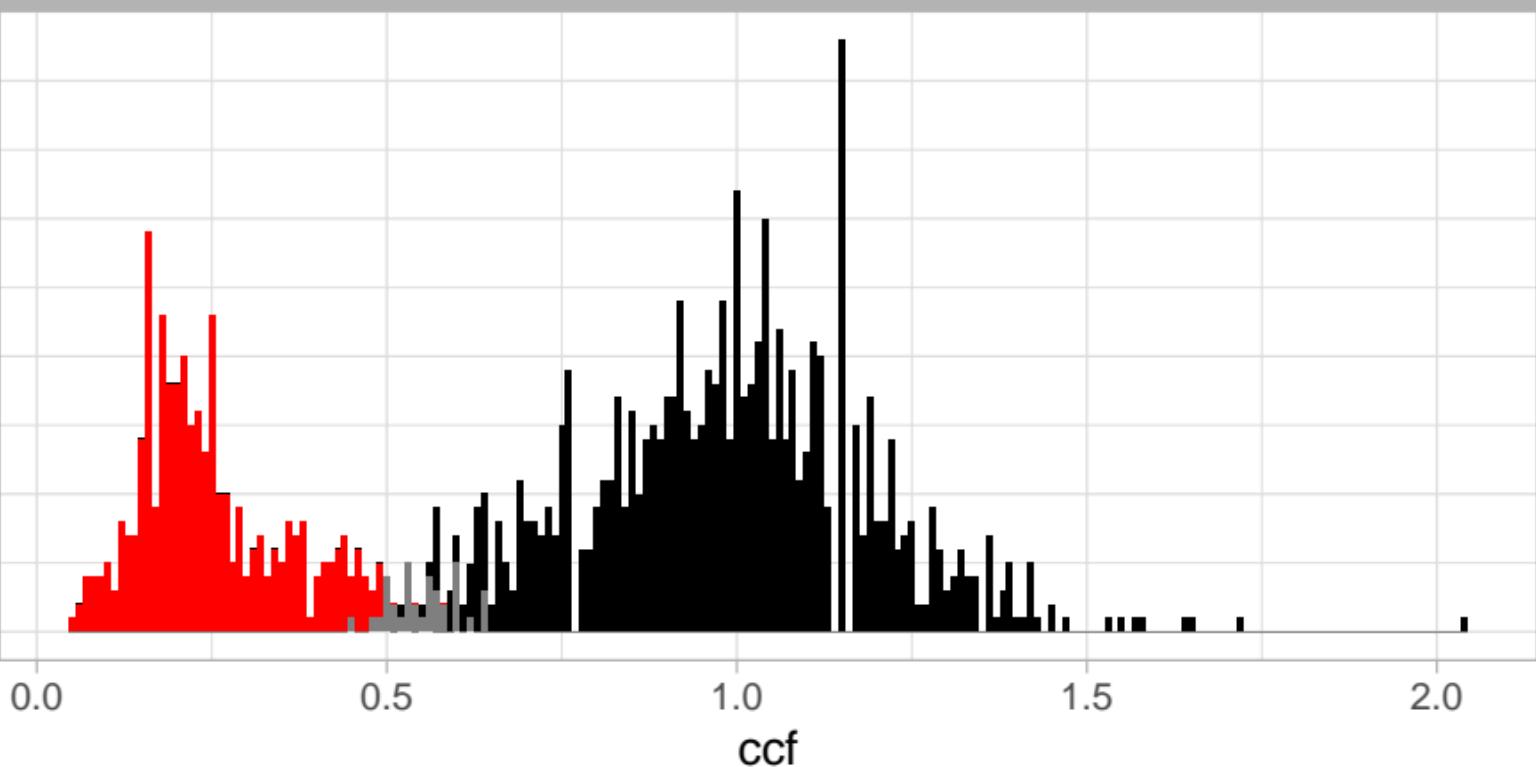
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542236

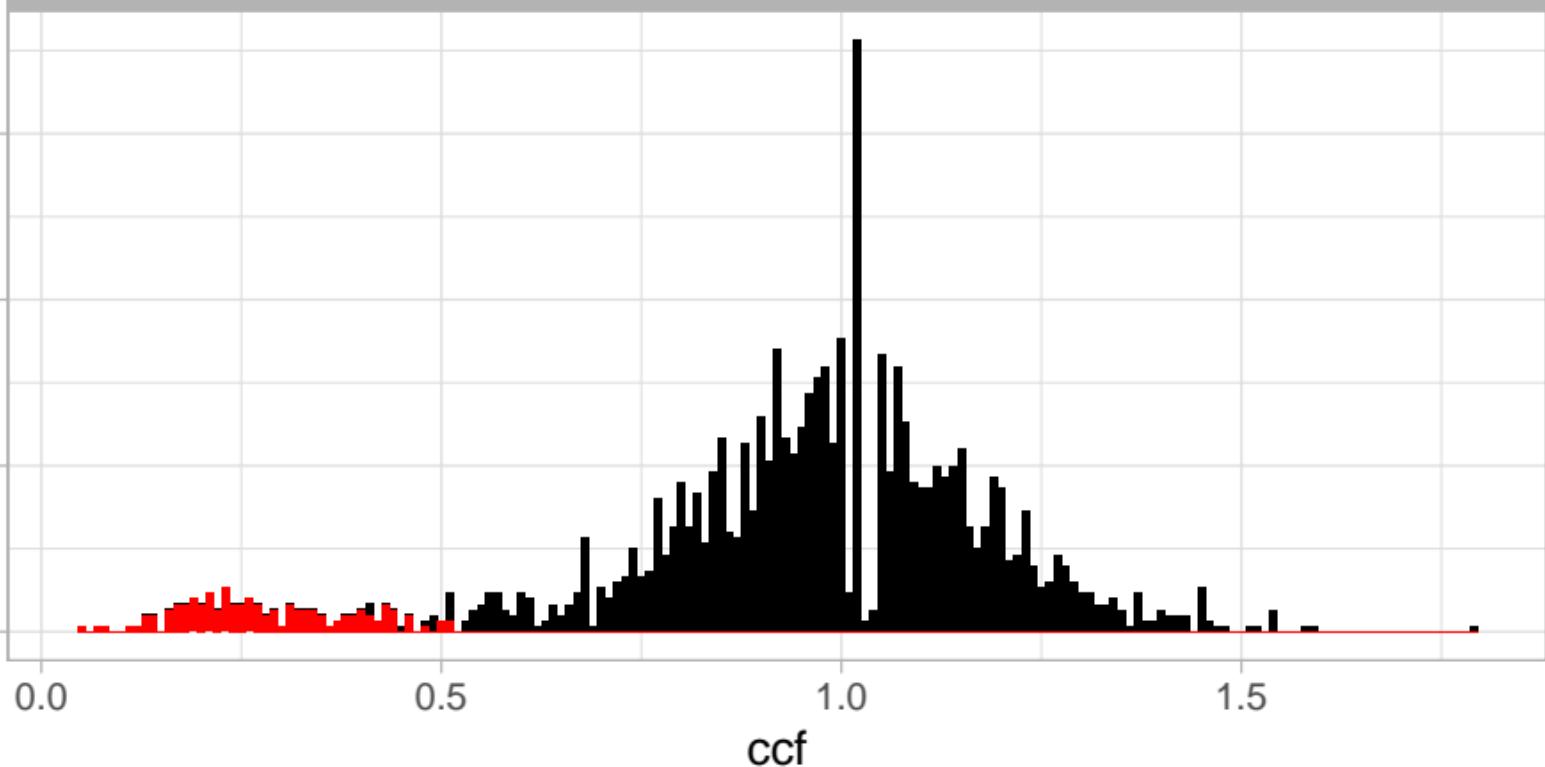
count

90
60
30
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542293

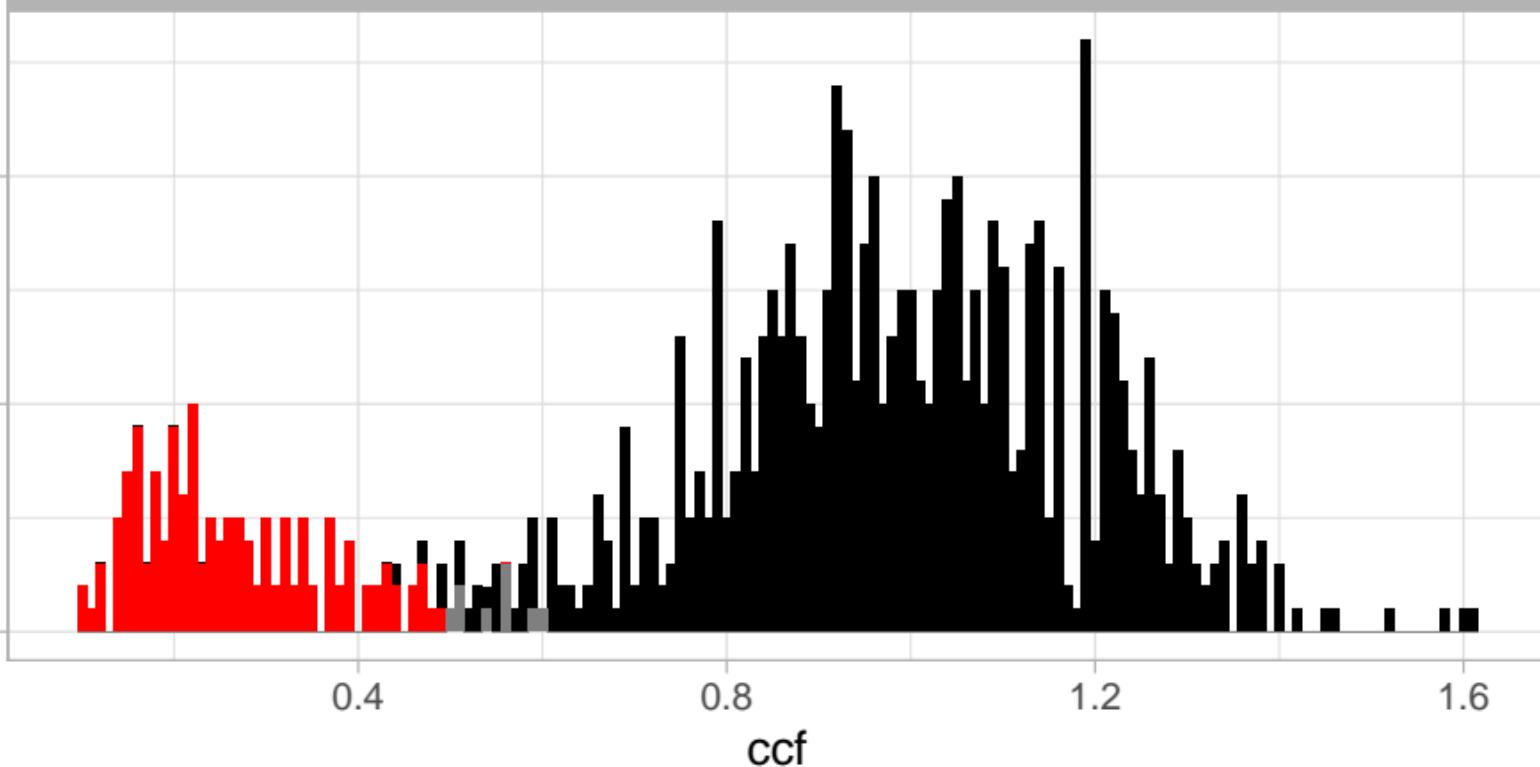
count

20
10
0

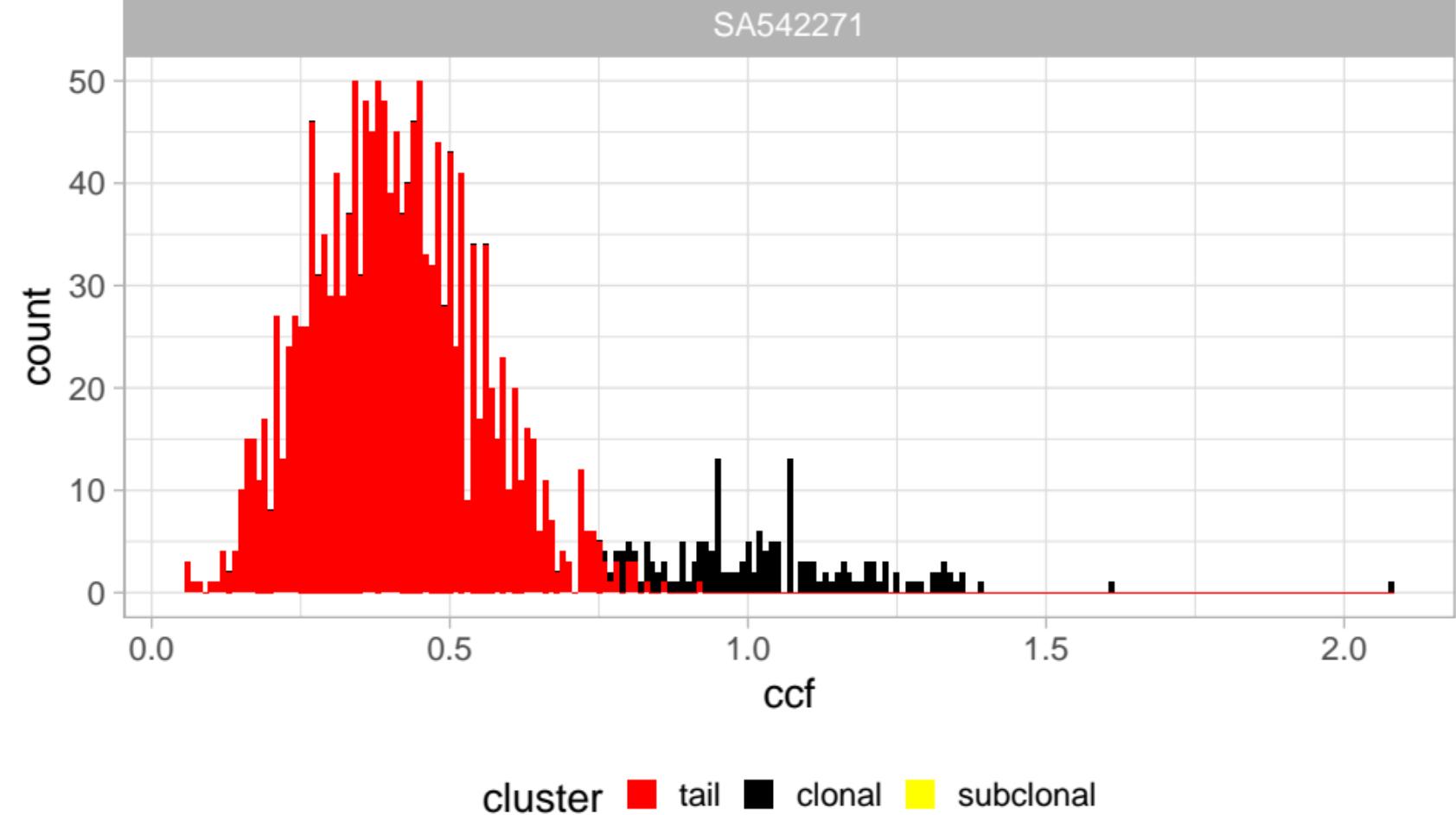
0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA542271



SA542260

count

15

10

5

0

0.0

0.5

1.0

1.5

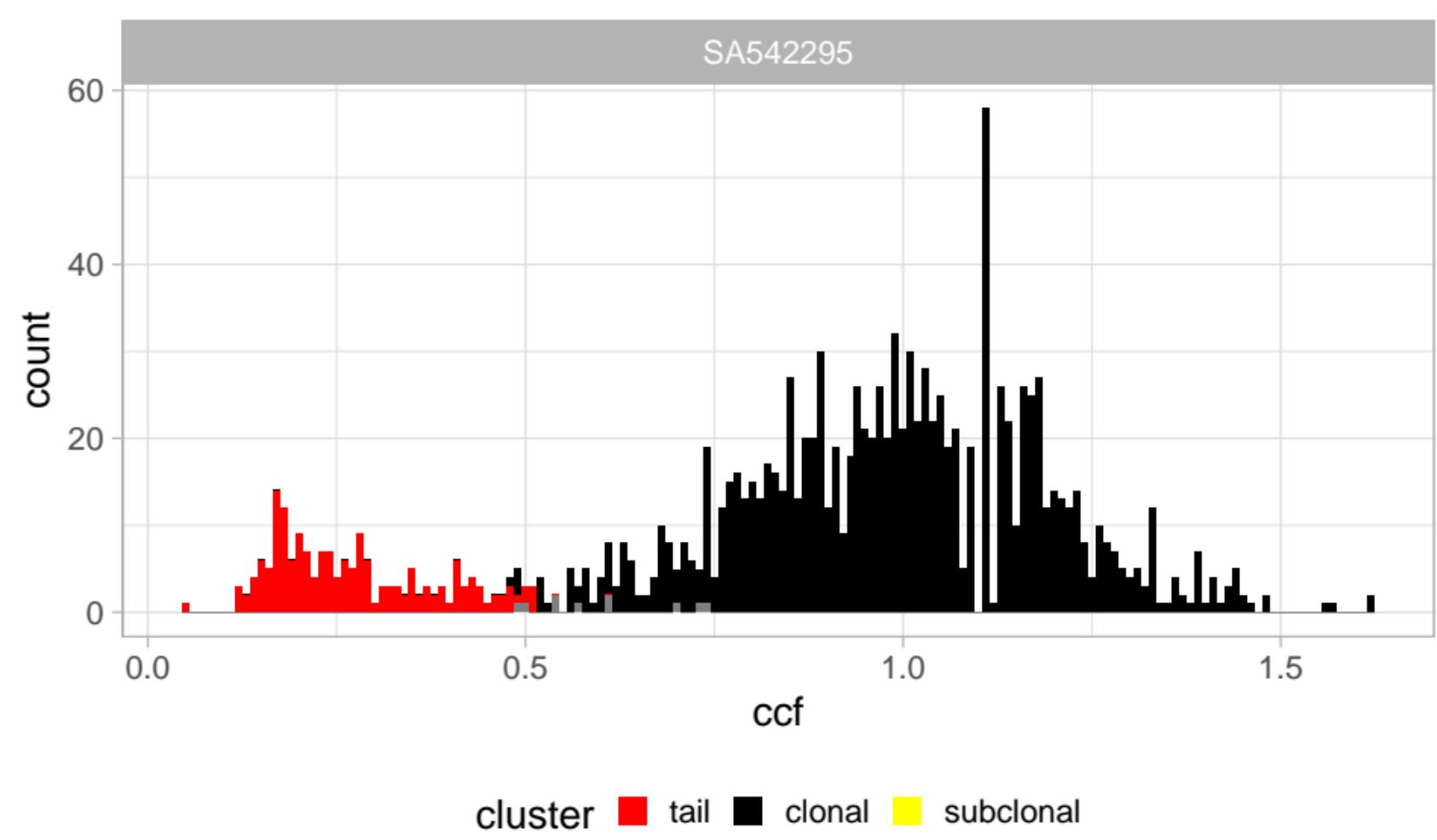
2.0

ccf

cluster tail clonal subclonal



SA542295



SA542282

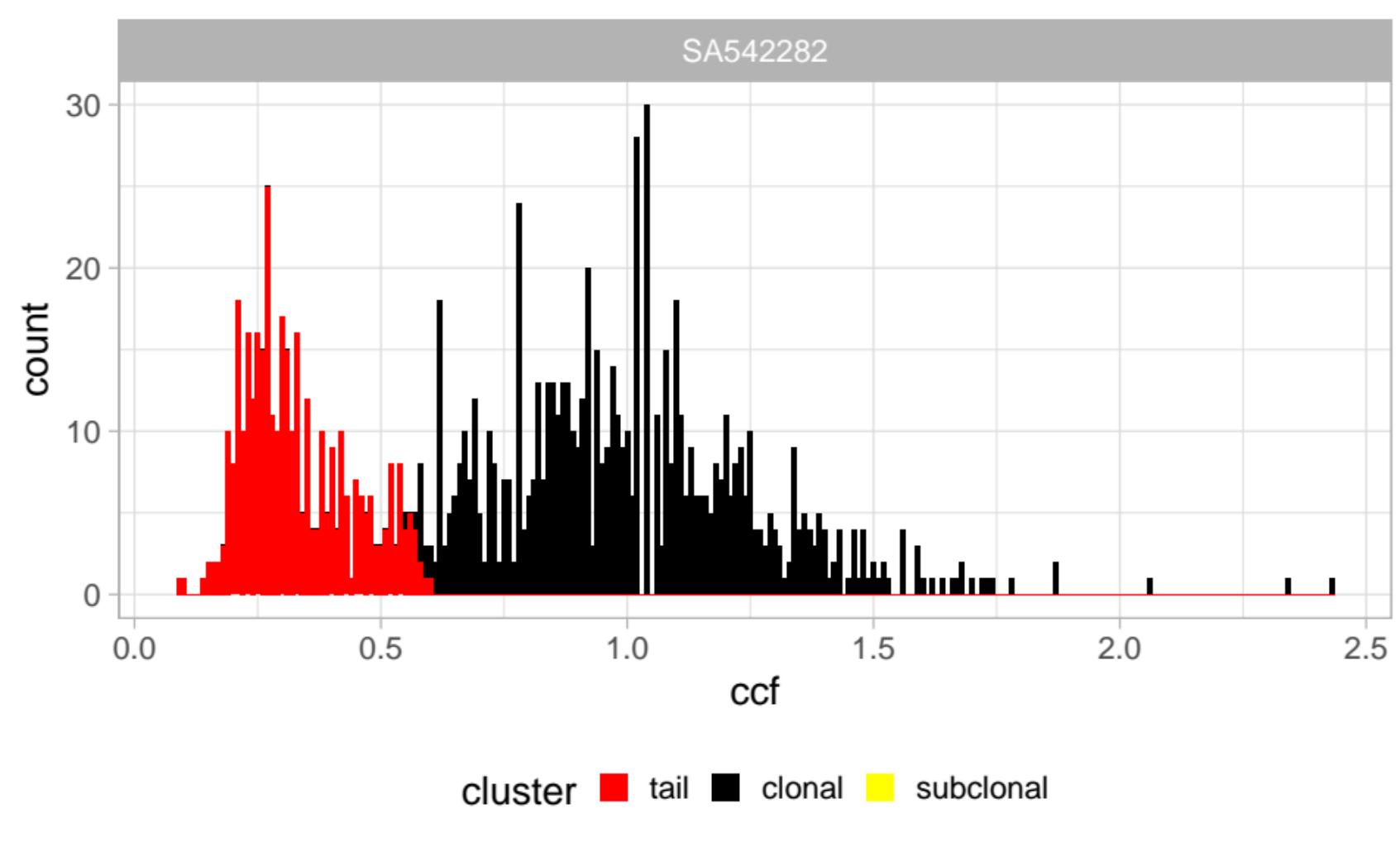
count

30
20
10
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA542305

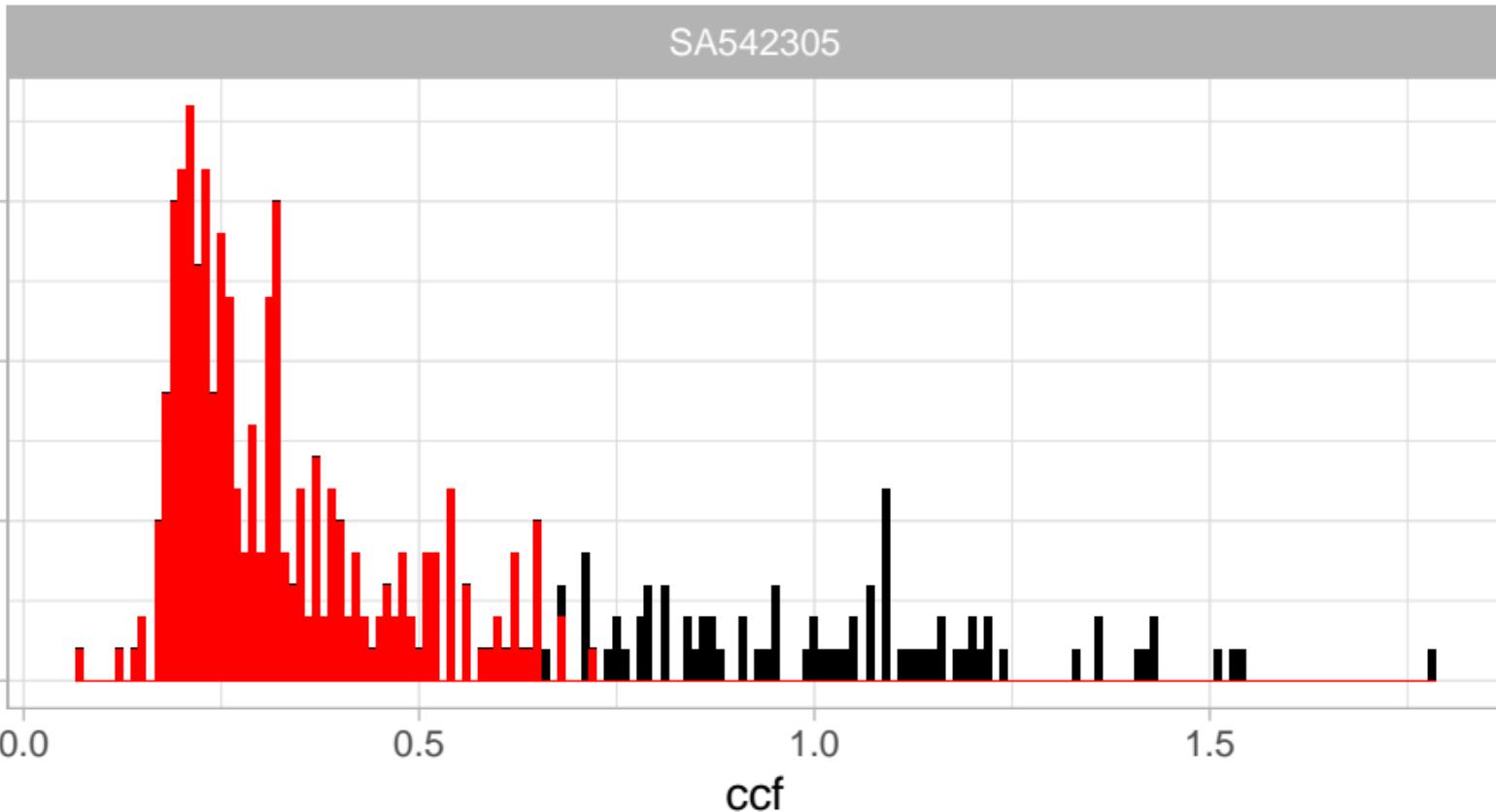
count

15
10
5
0

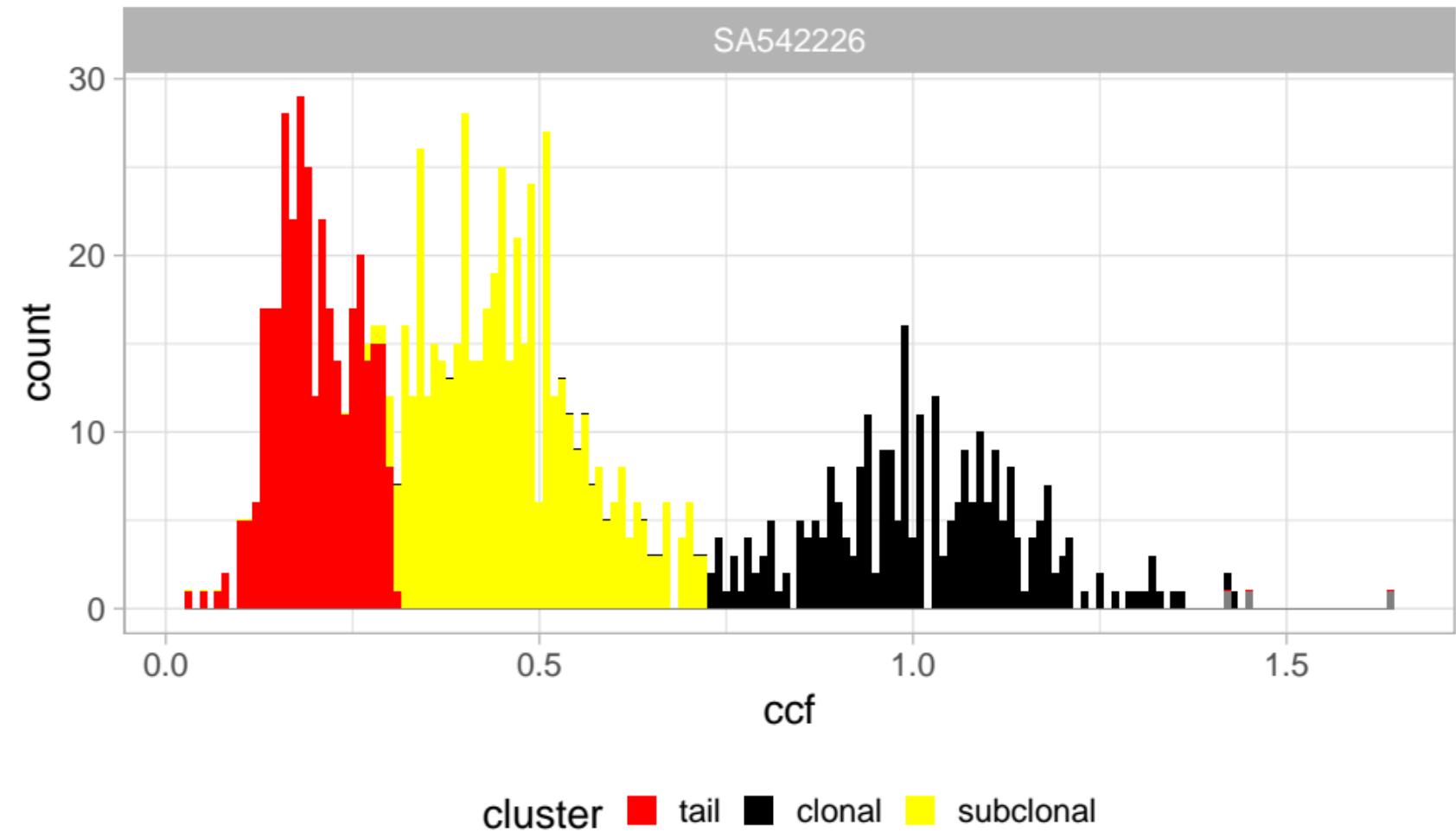
0.0 0.5 1.0 1.5

ccf

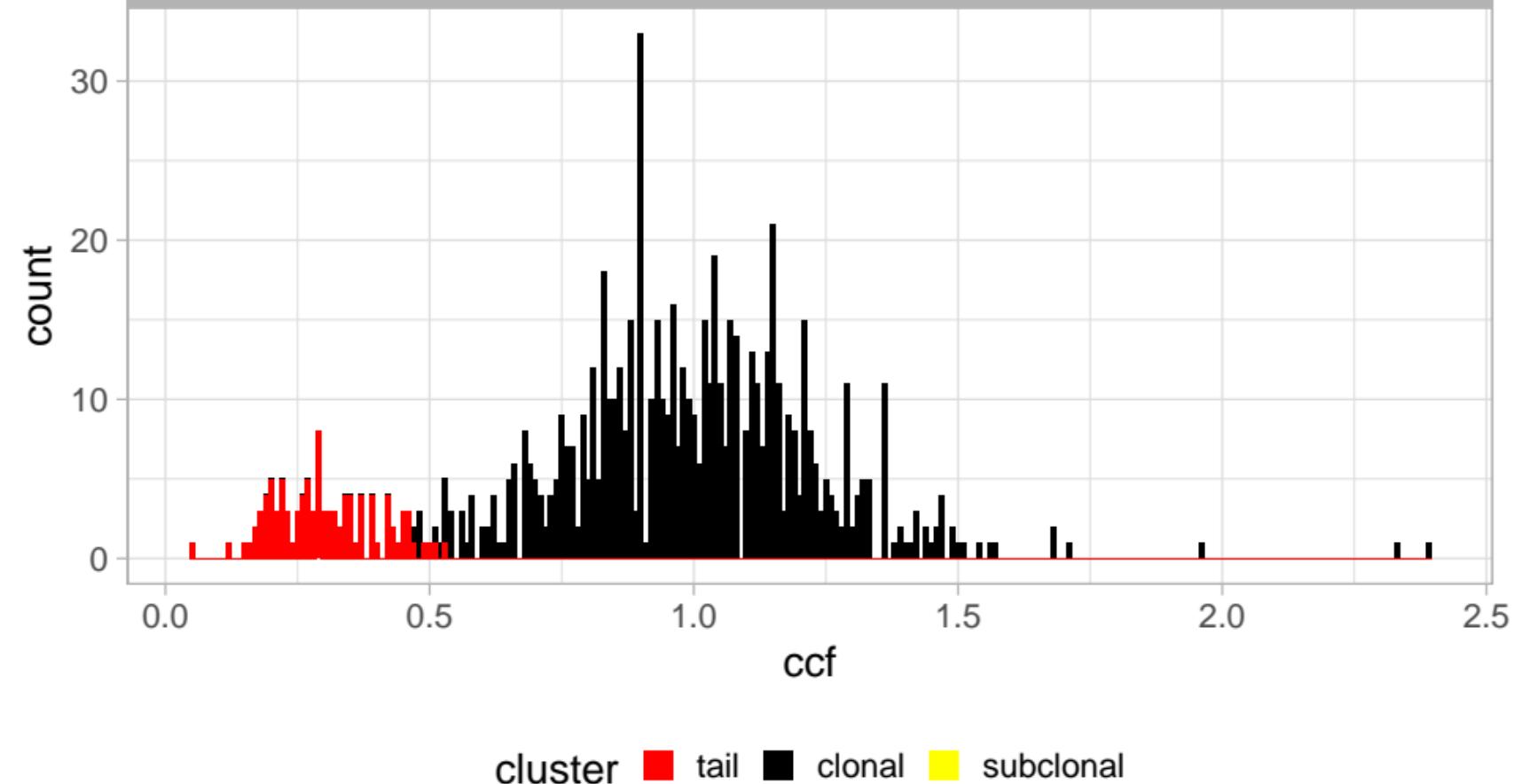
cluster tail clonal subclonal



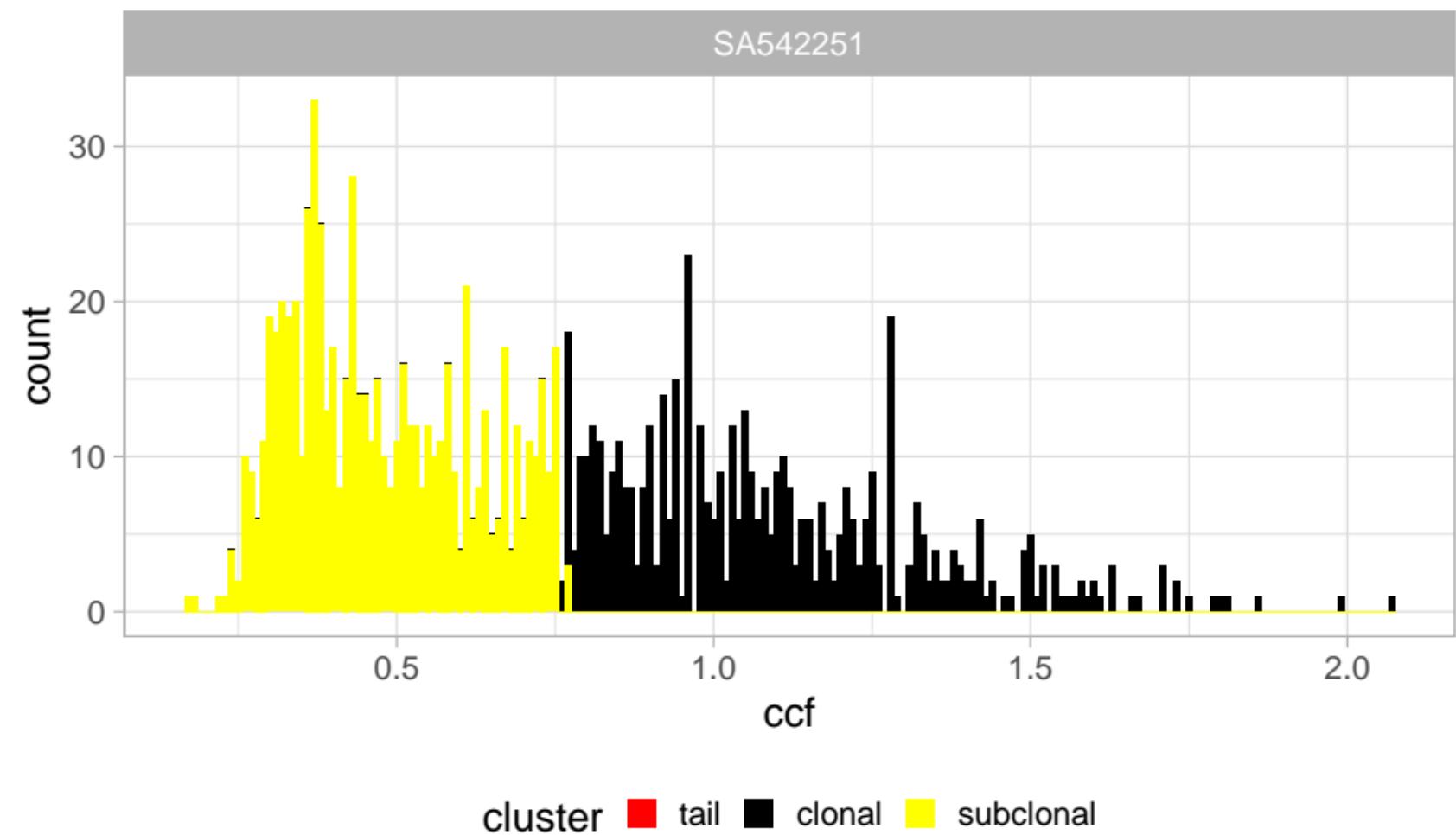
SA542226



SA542270



SA542251



SA542242

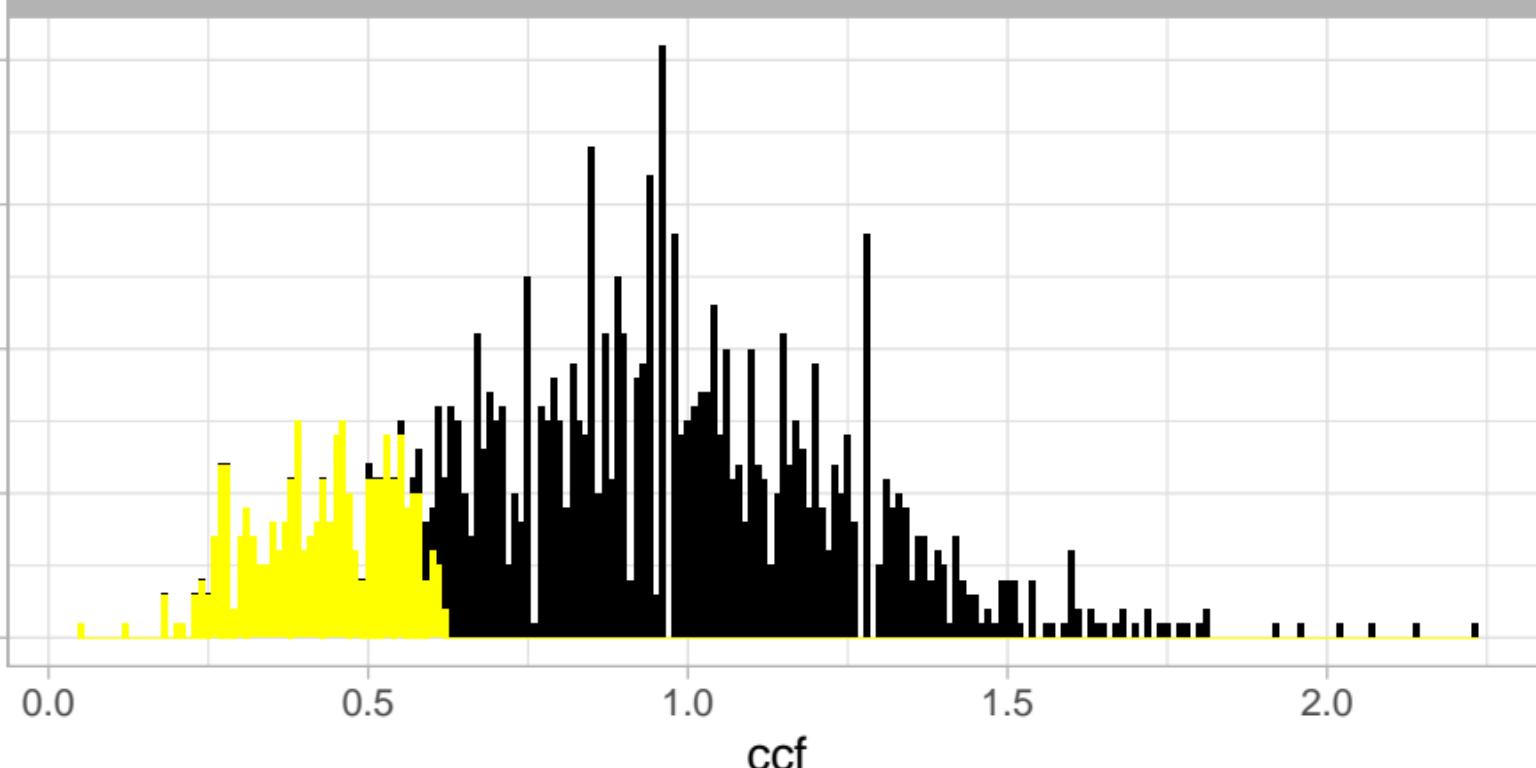
count

40
30
20
10
0

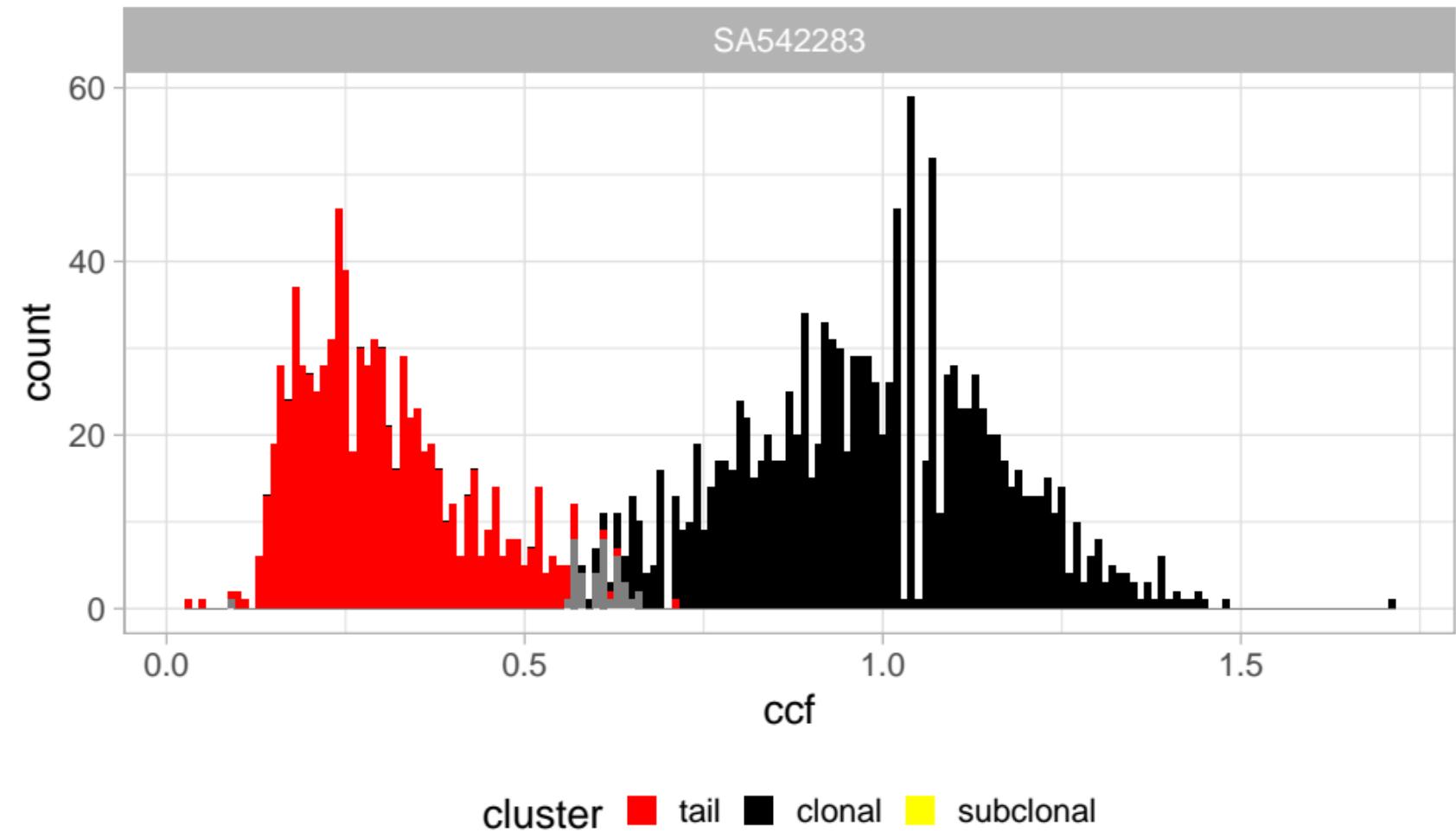
0.0 0.5 1.0 1.5 2.0

ccf

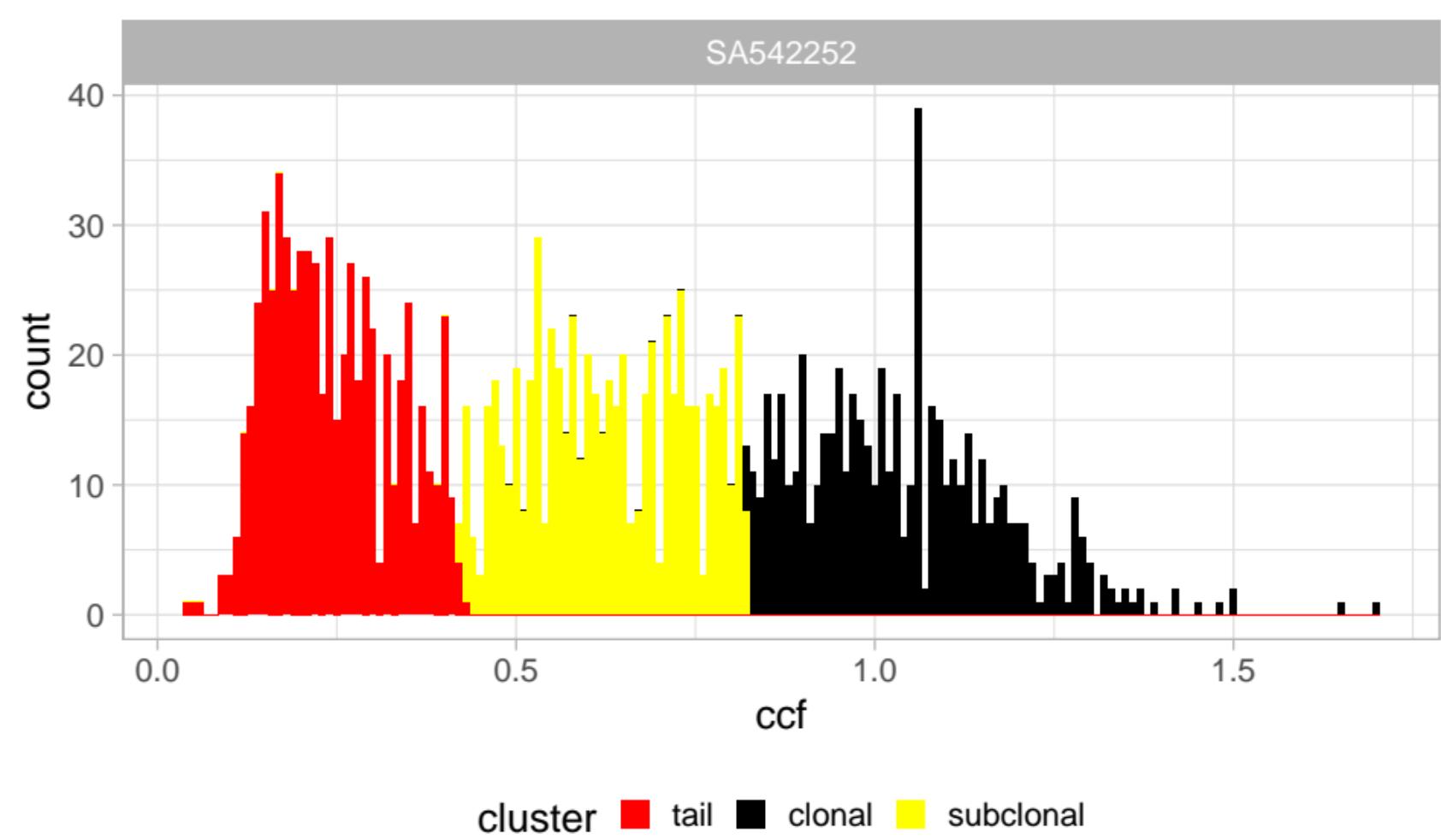
cluster tail clonal subclonal



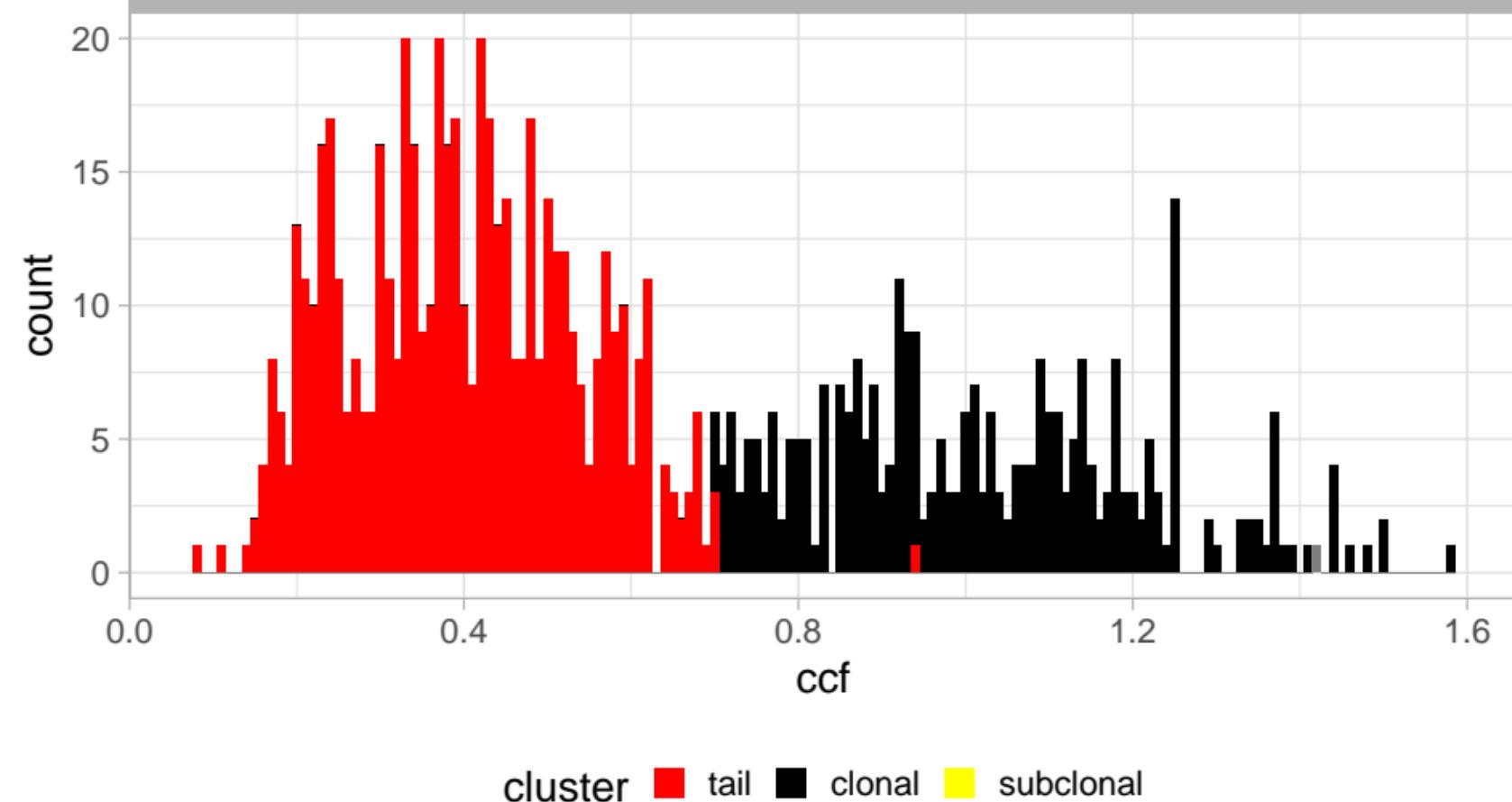
SA542283



SA542252

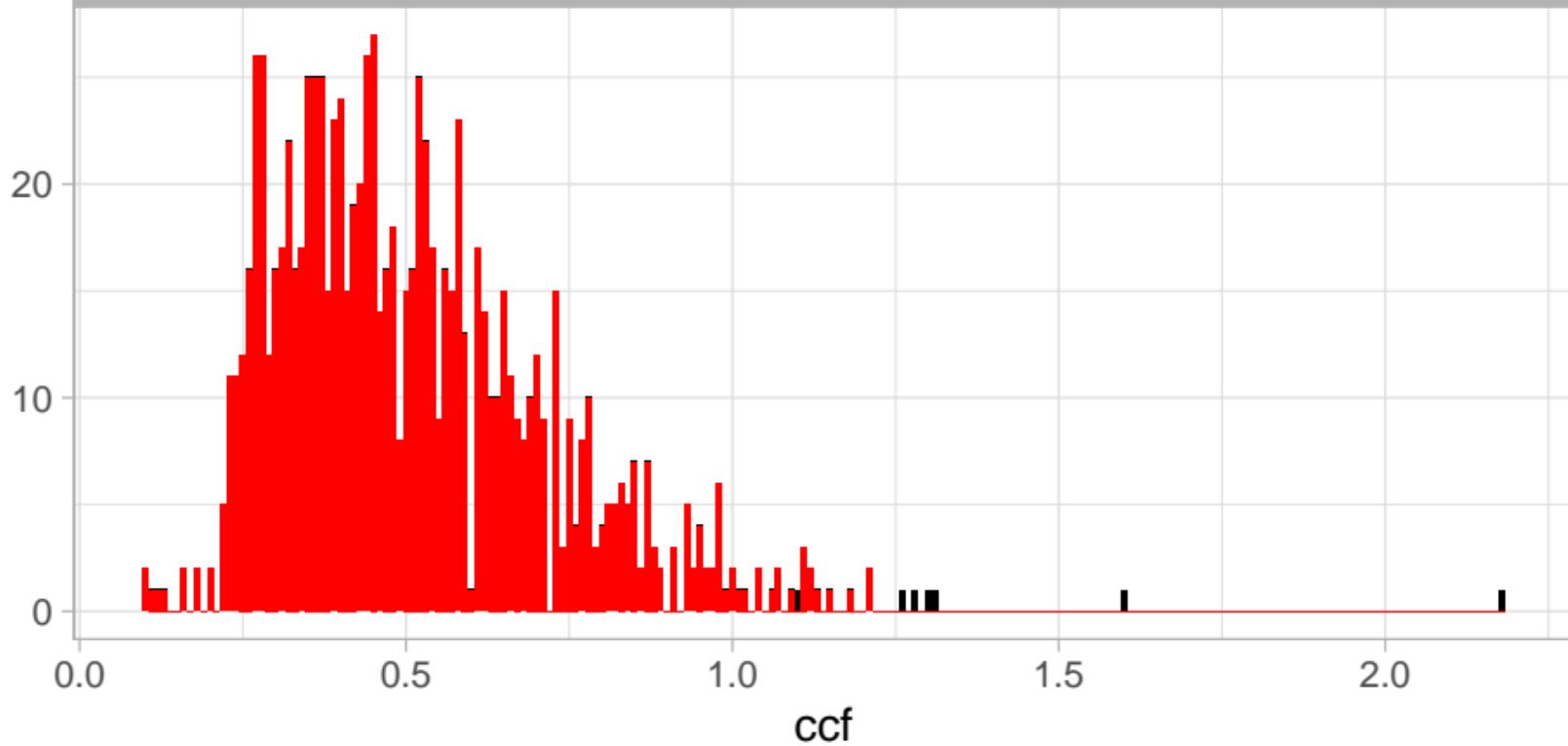


SA542224



SA542241

count



cluster ■ tail ■ clonal ■ subclonal

SA542296

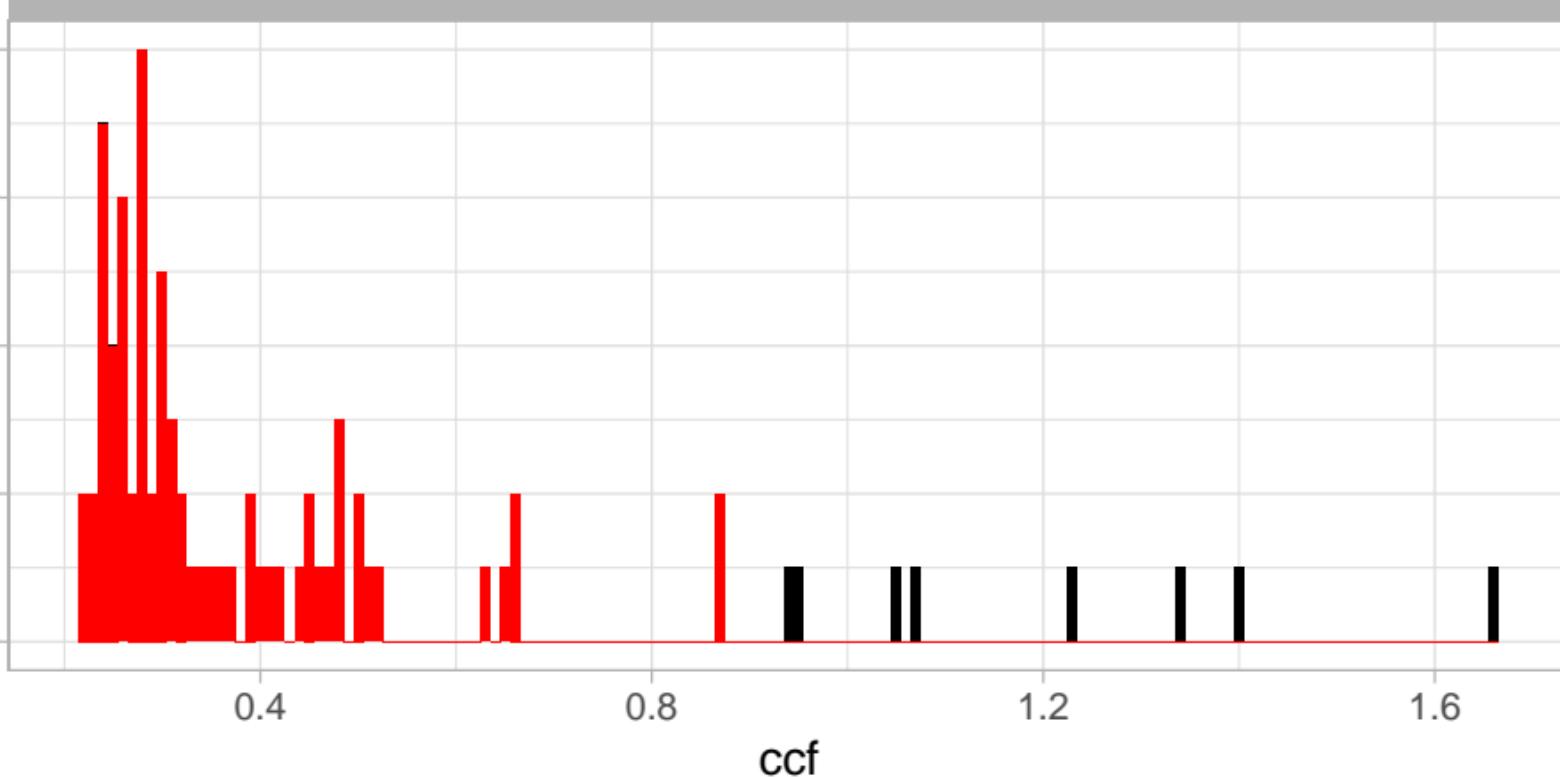
count

8
6
4
2
0

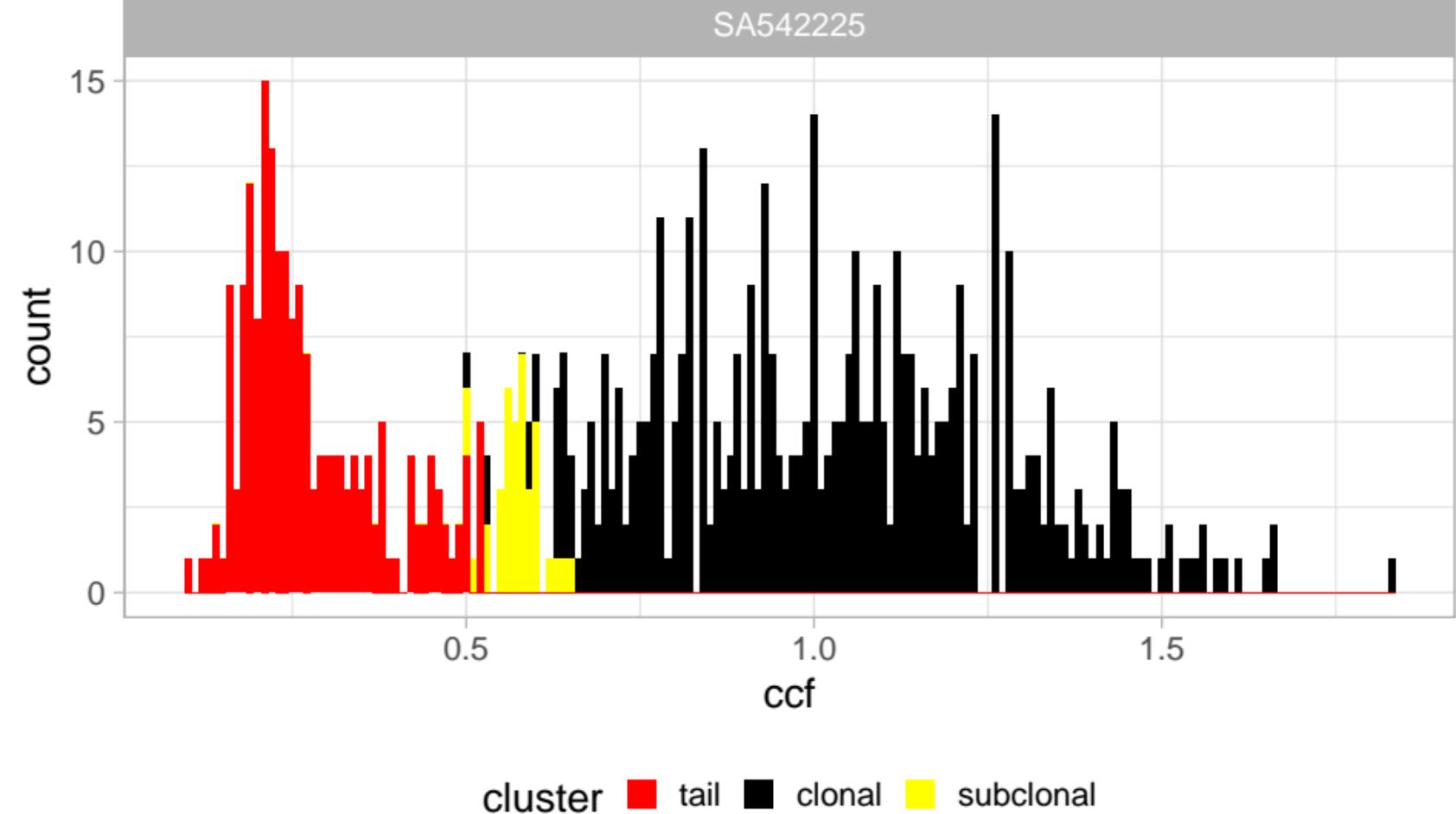
0.4 0.8 1.2 1.6

ccf

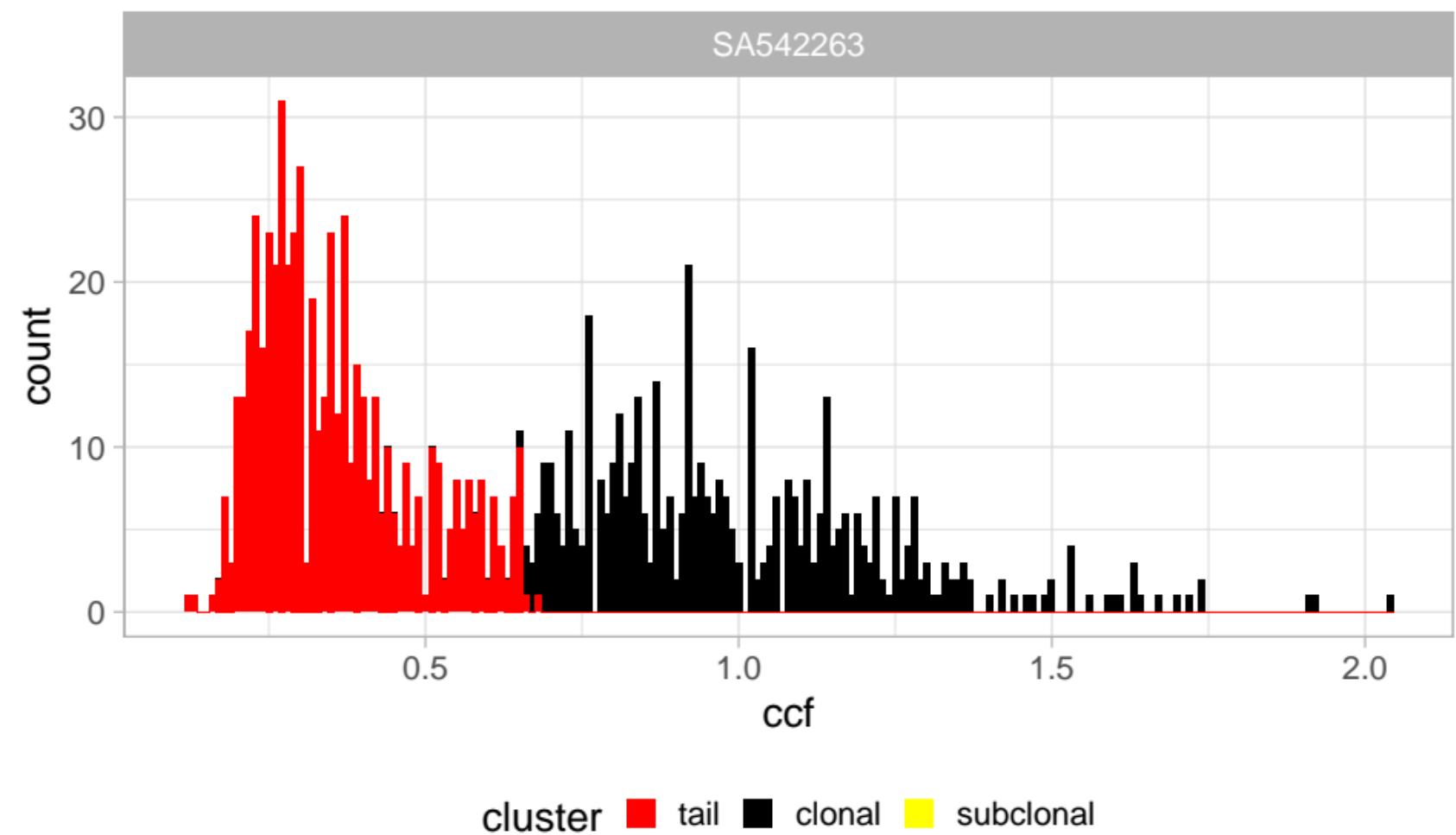
cluster tail clonal subclonal



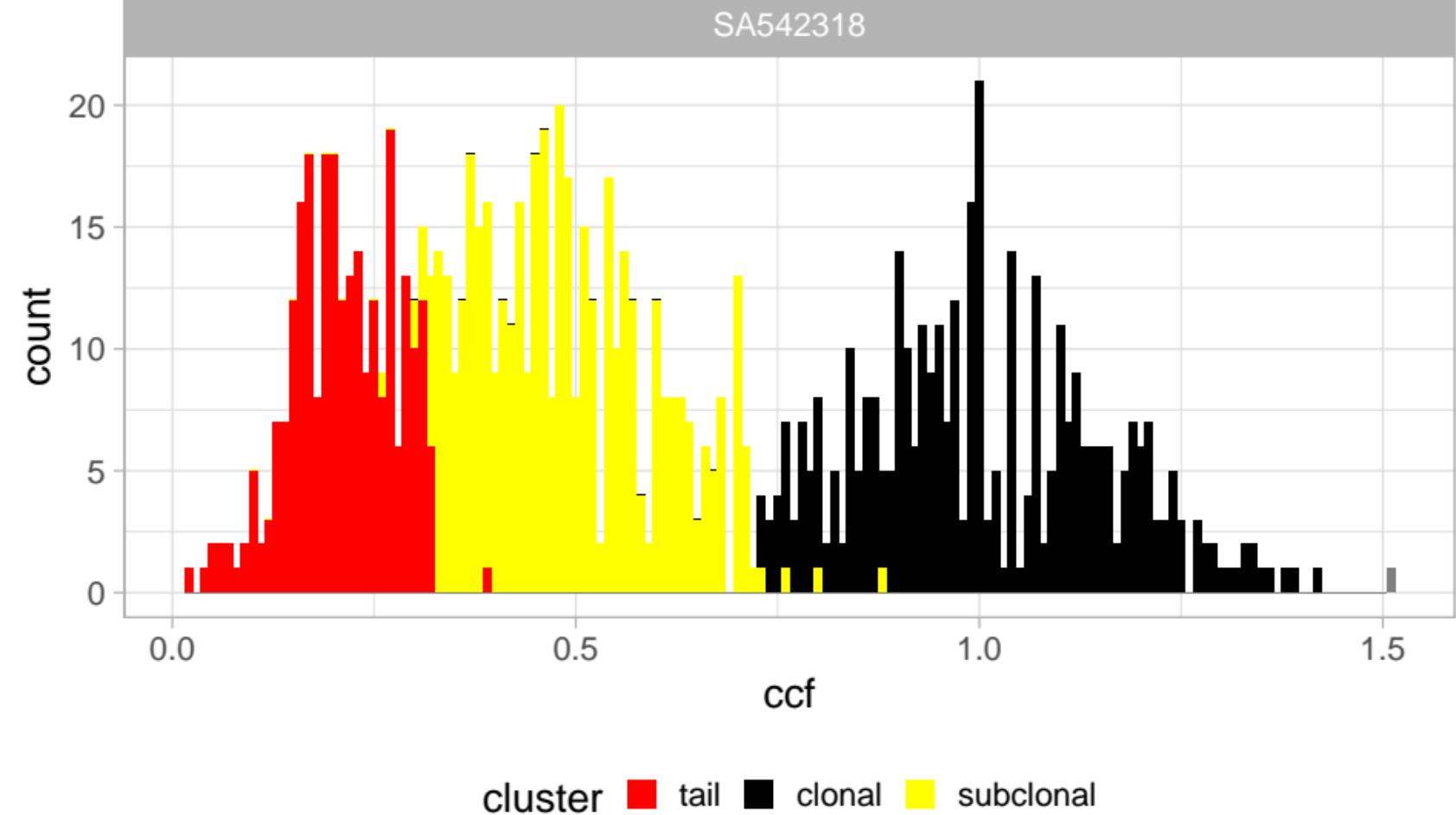
SA542225



SA542263

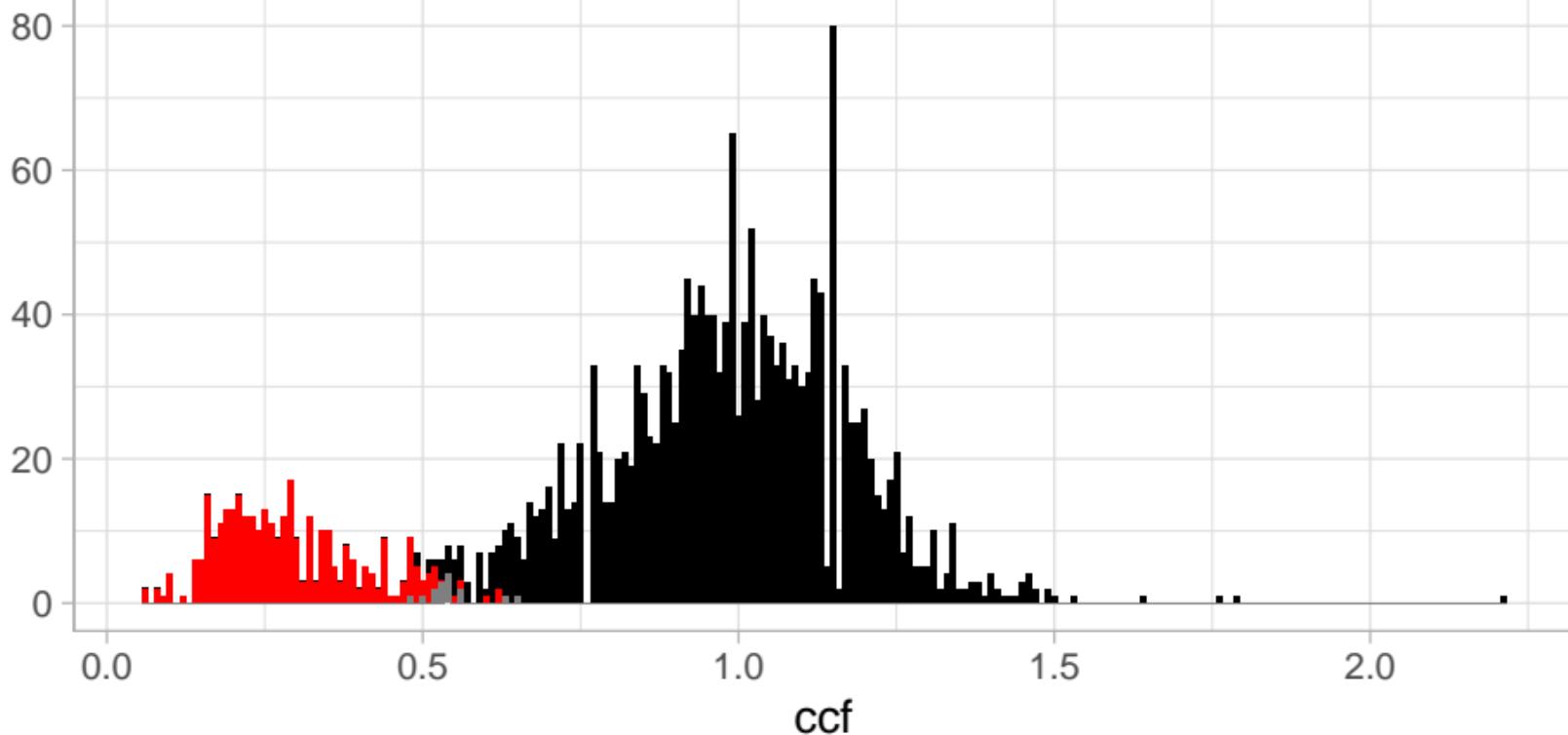


SA542318



SA542286

count



cluster ■ tail ■ clonal ■ subclonal

SA542298

count

60

40

20

0

0.0

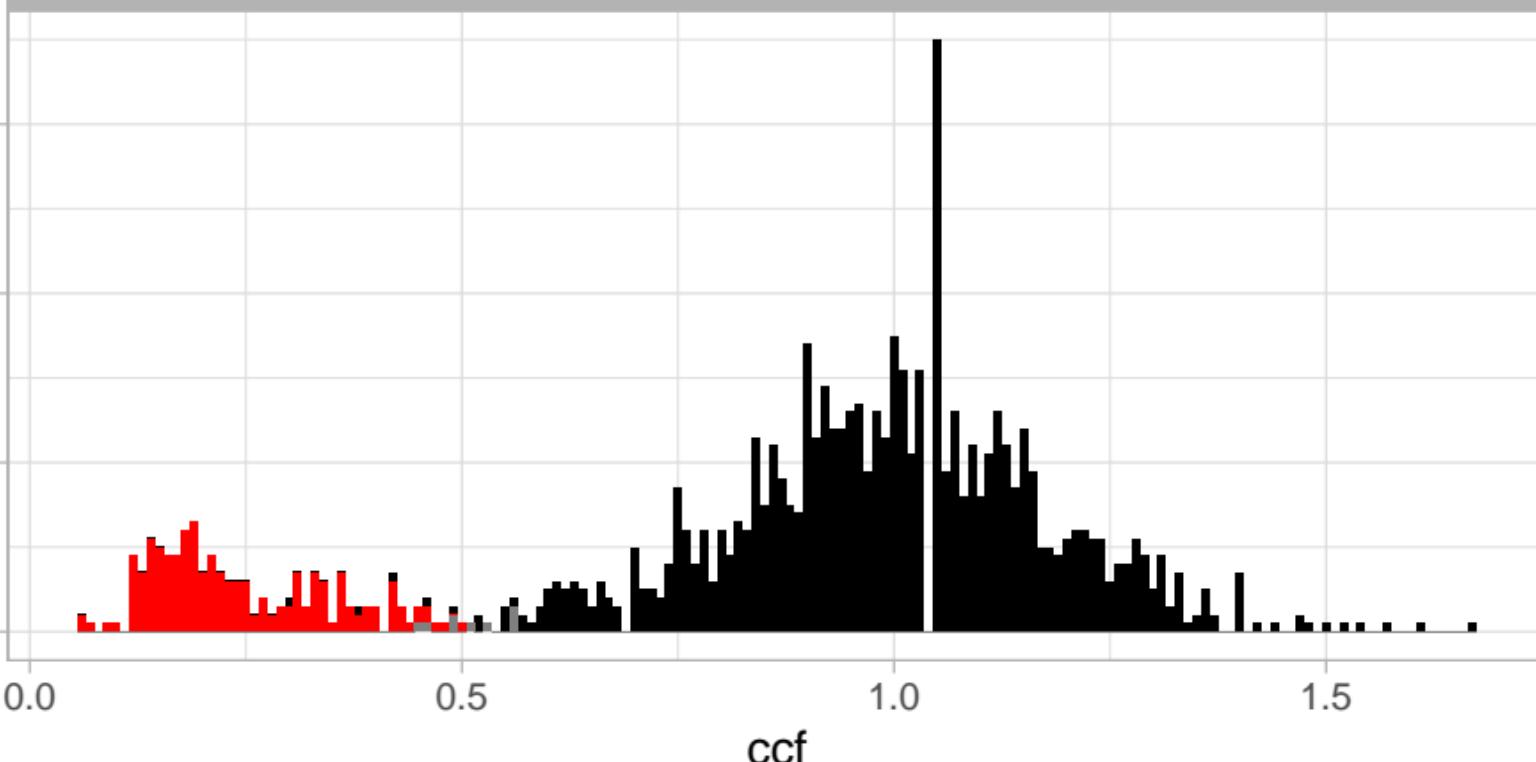
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA542254

count

40
20
0

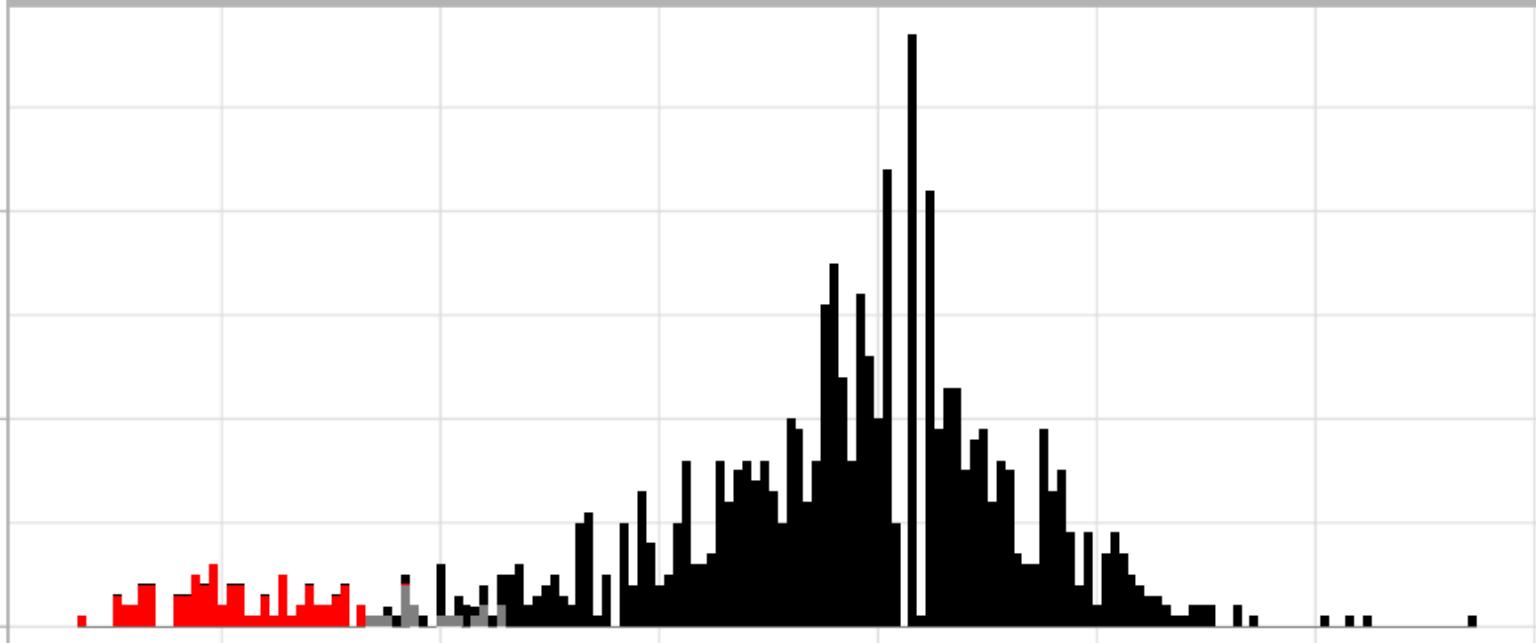
0.5

1.0

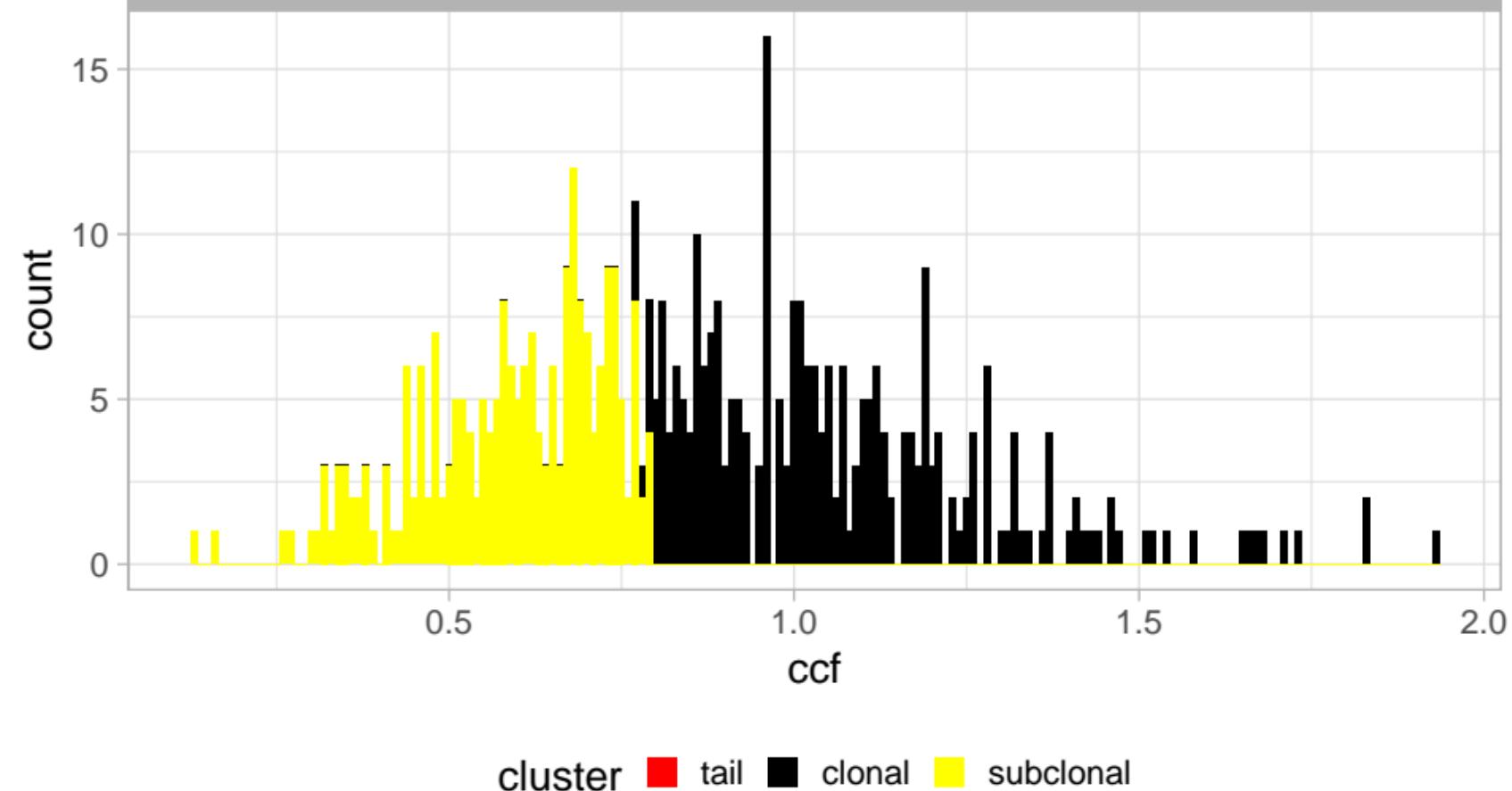
1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542244



SA505613

count

150

100

50

0

0.0

0.5

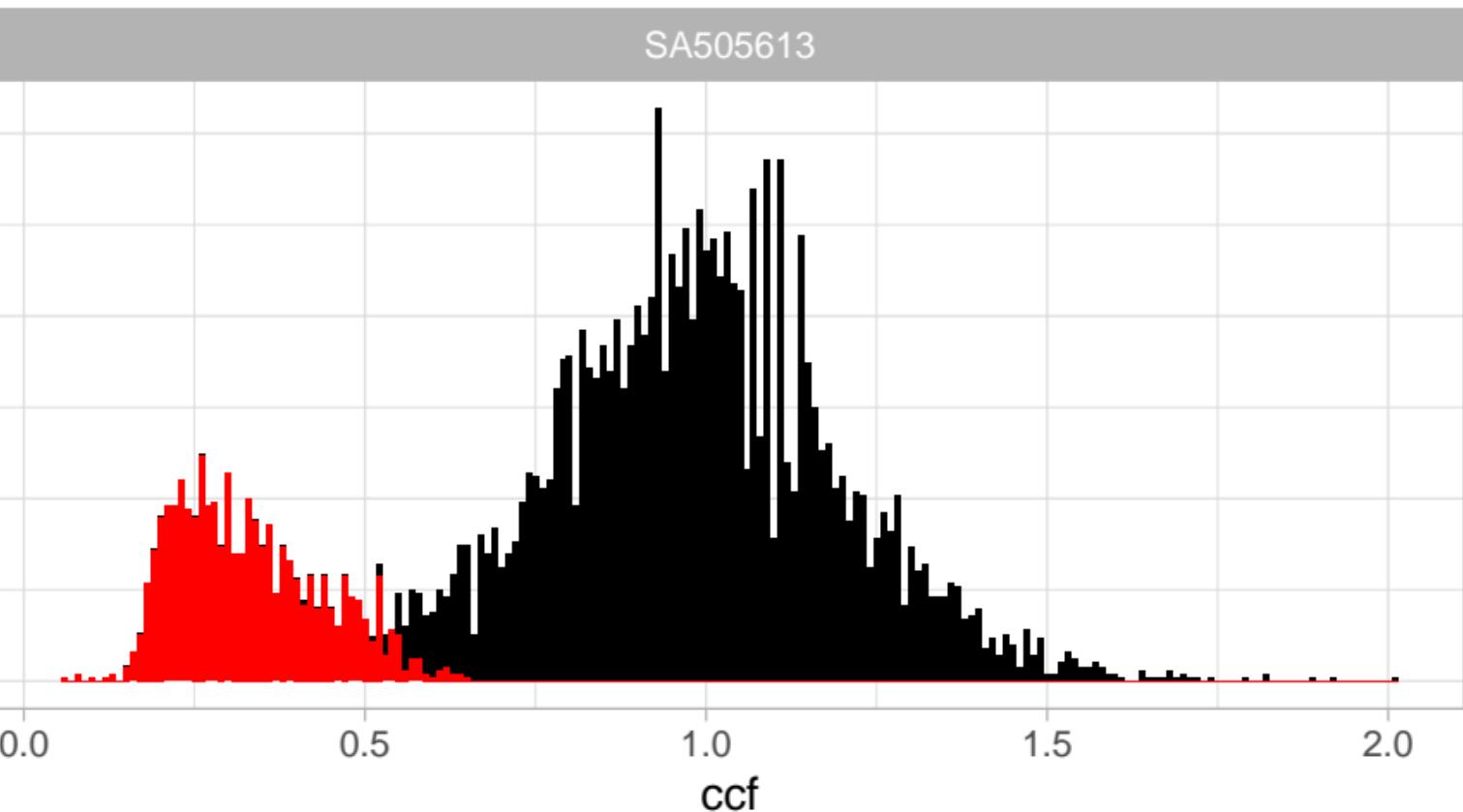
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA507259

count

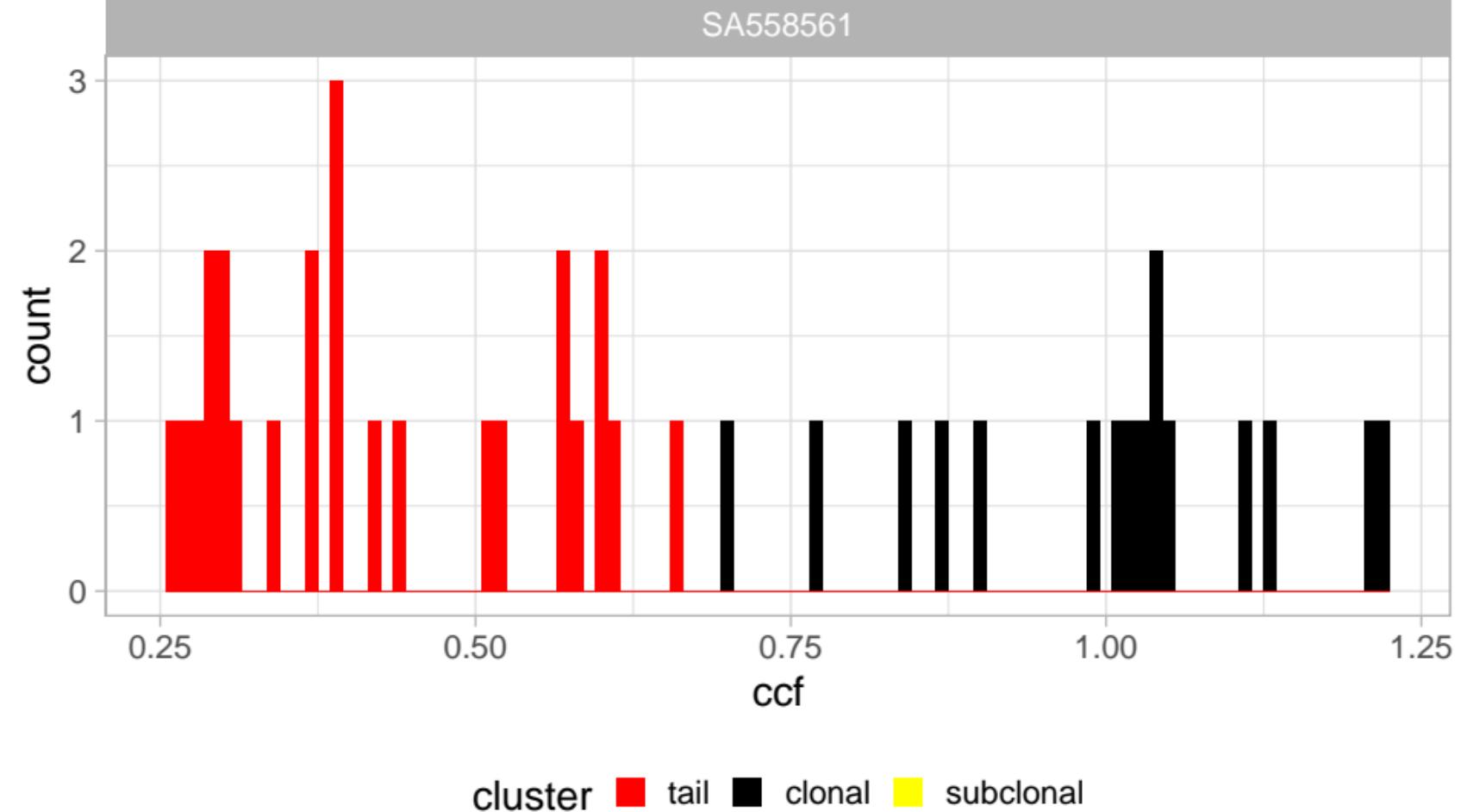
200
100
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA558561



SA528974

count

75
50
25
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA528989

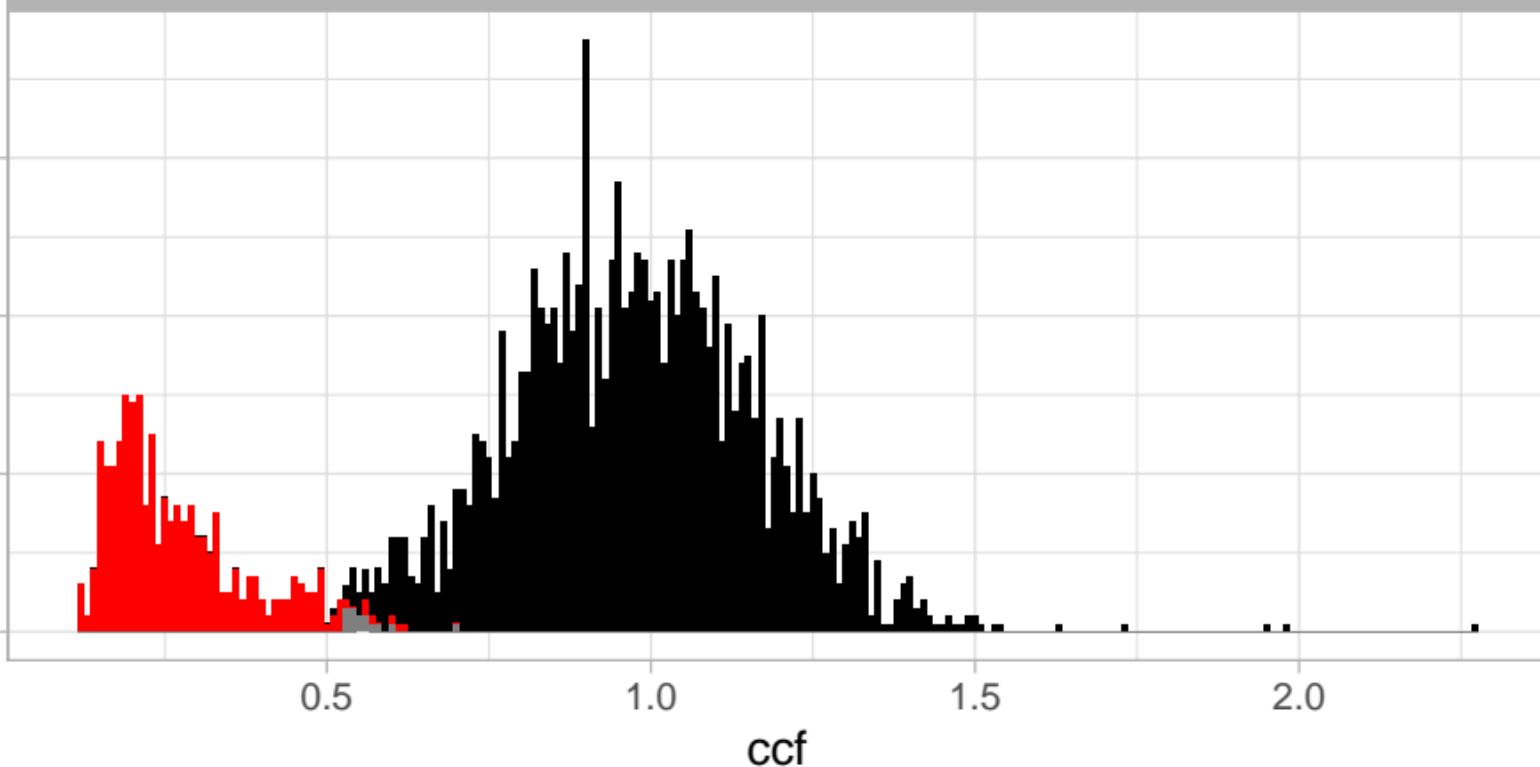
count

60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA528959

count

100

75

50

25

0

0.0

0.5

1.0

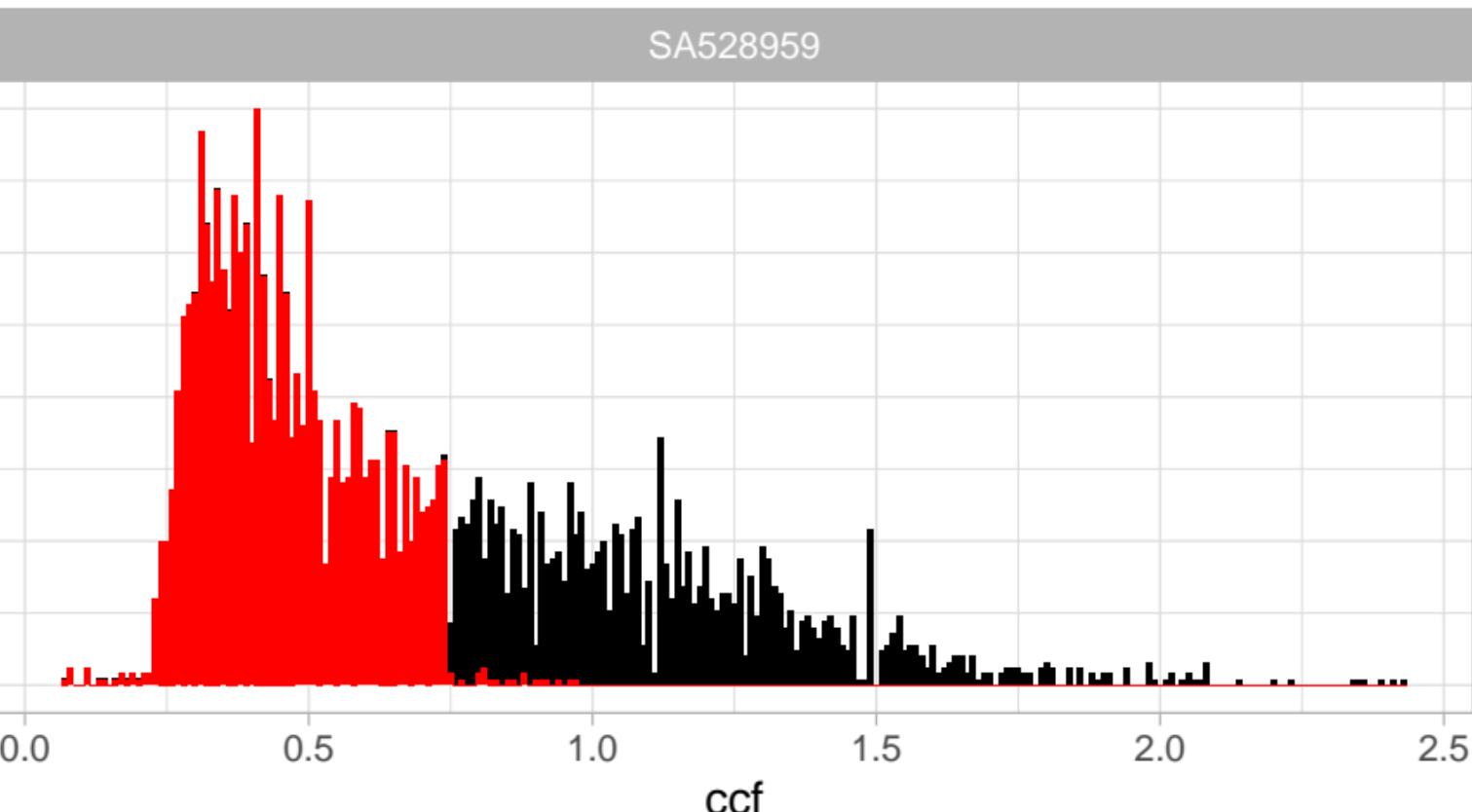
1.5

2.0

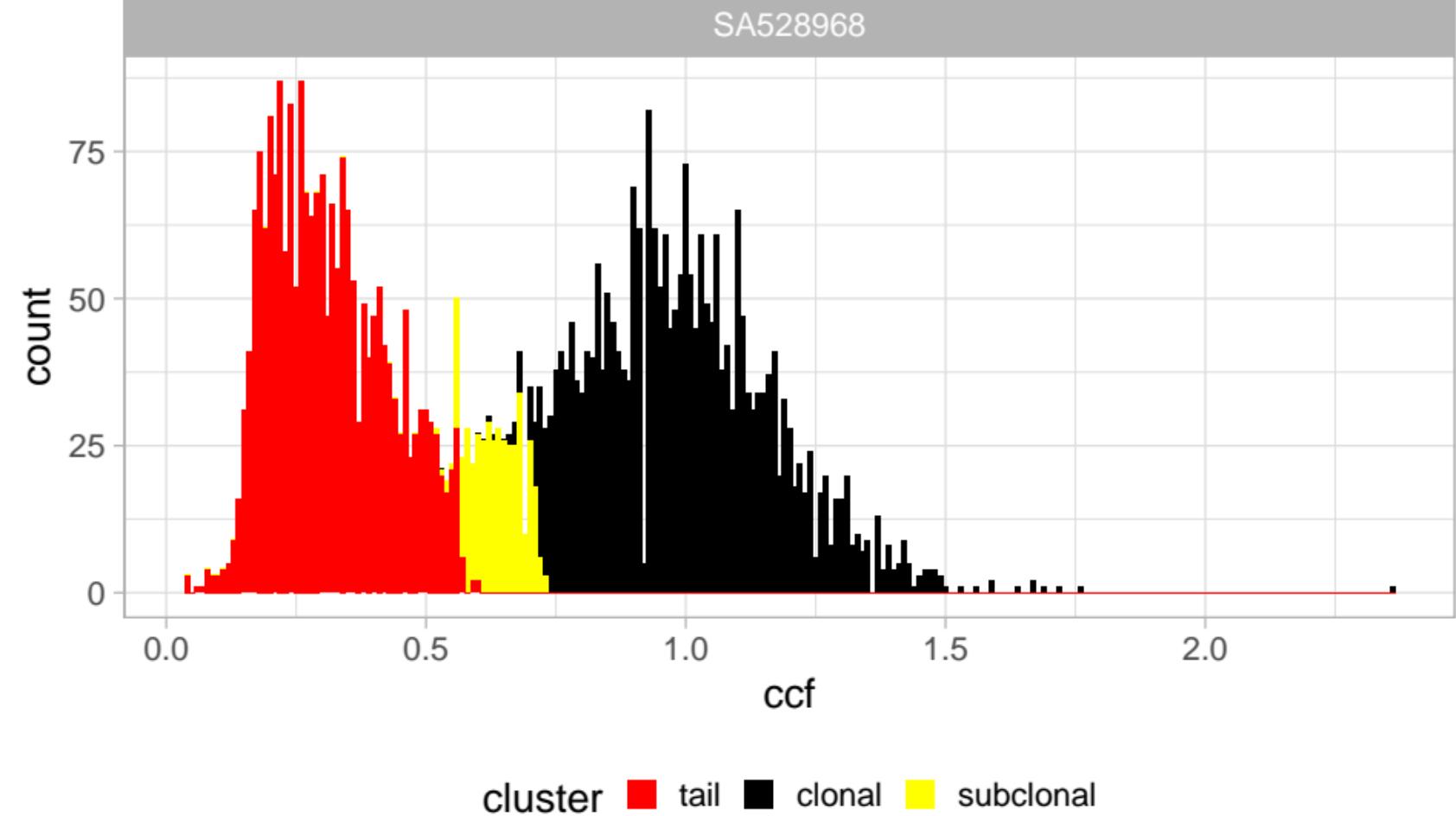
2.5

ccf

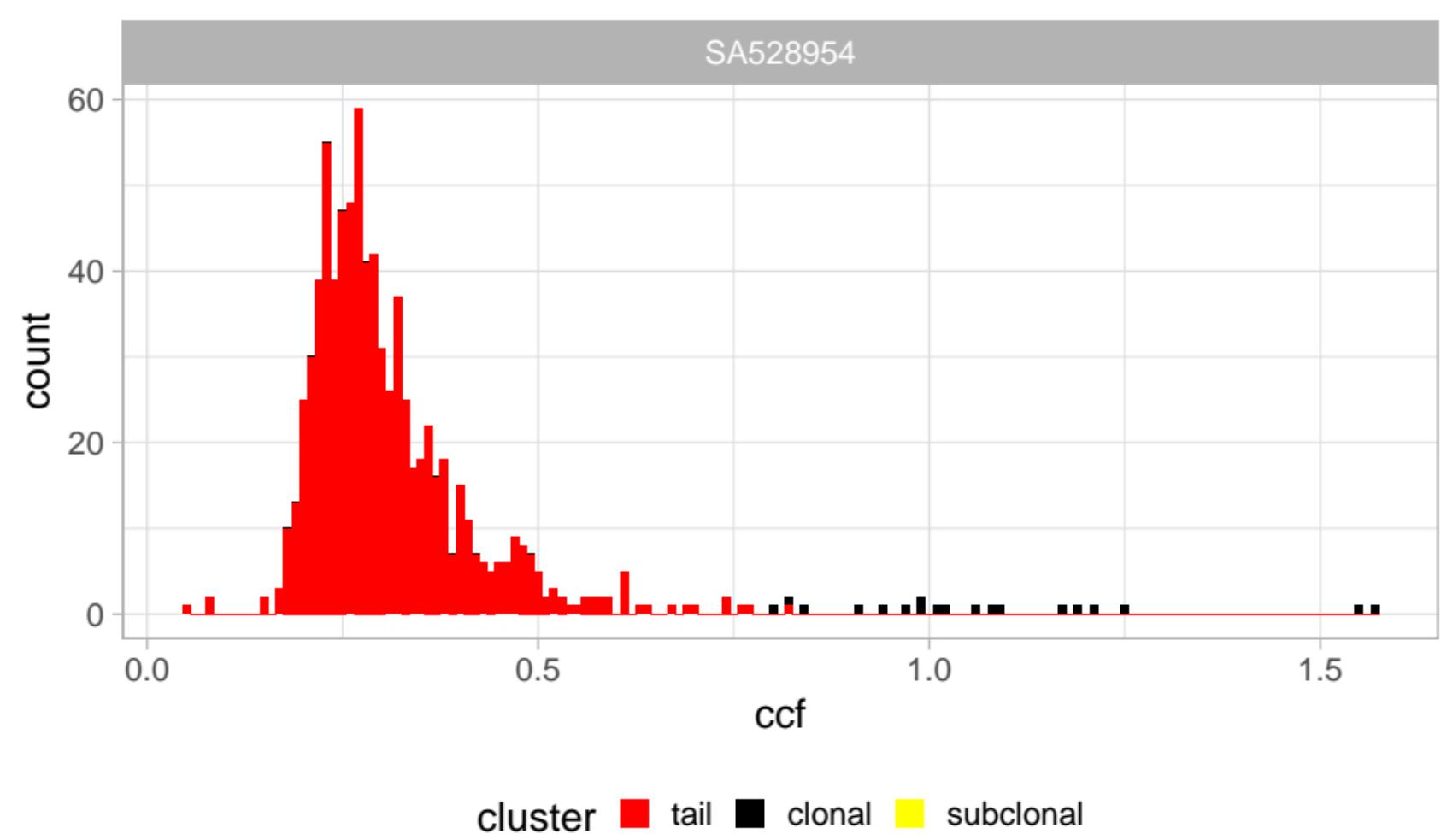
cluster ■ tail ■ clonal ■ subclonal



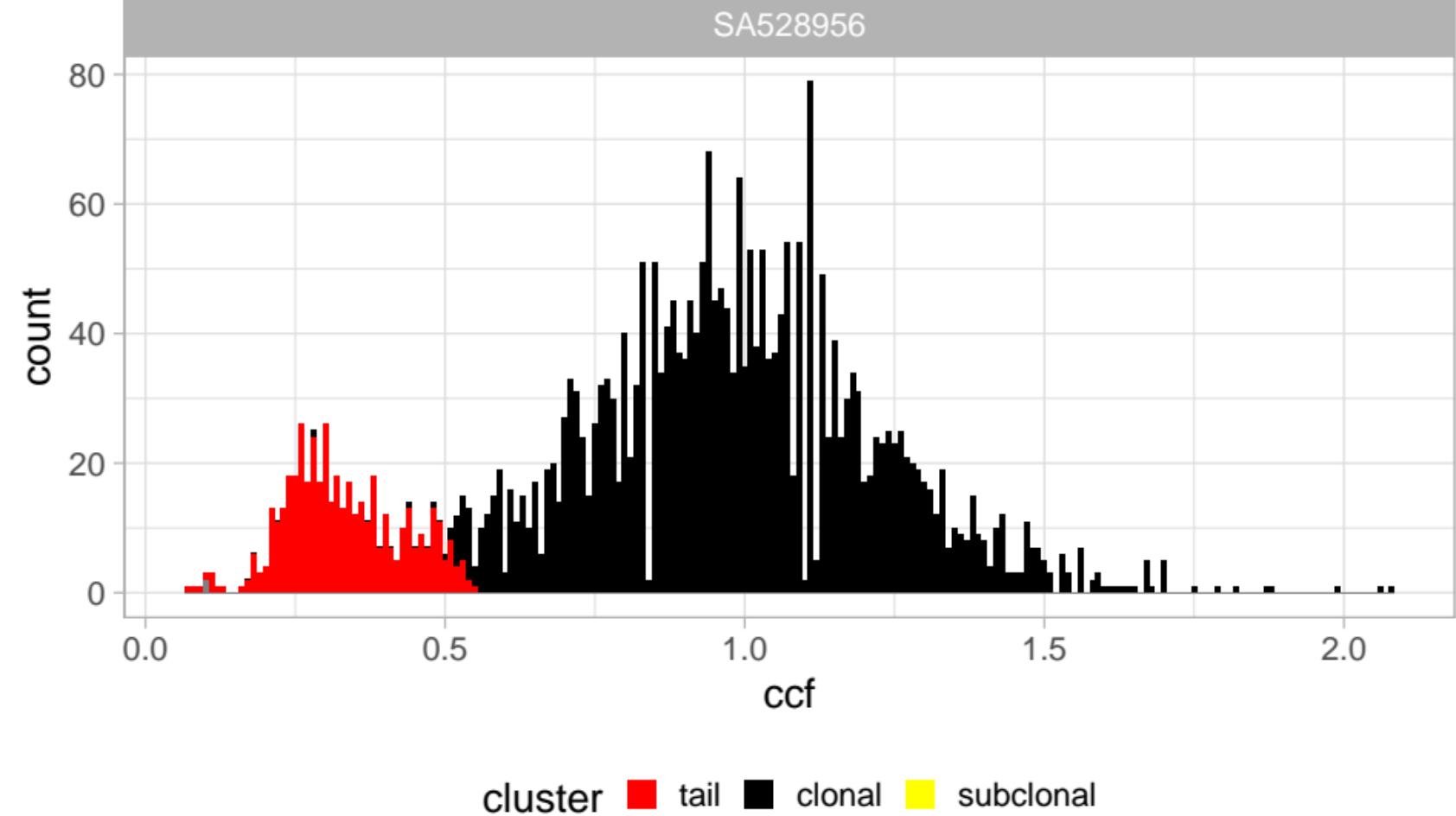
SA528968



SA528954



SA528956



SA528971

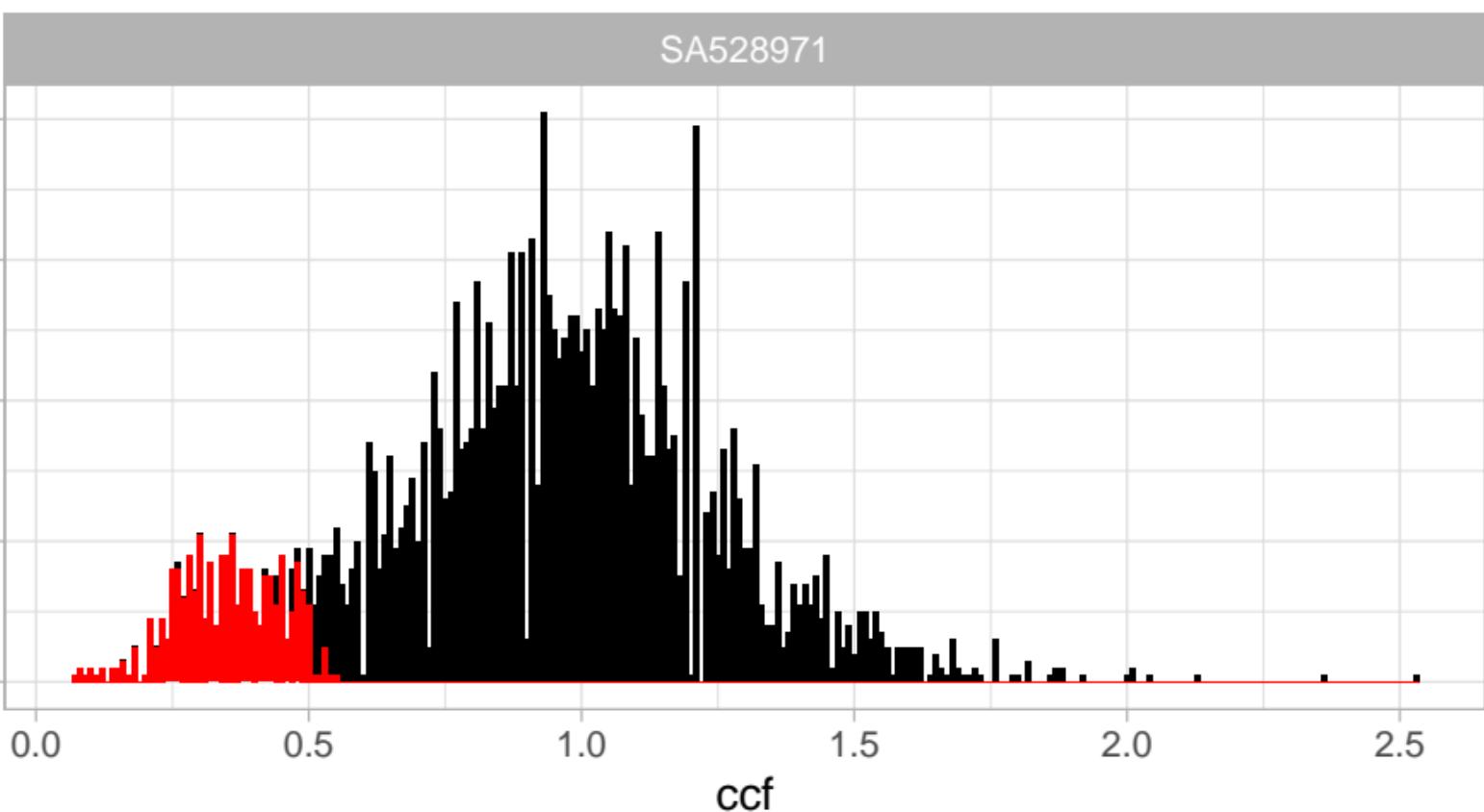
count

80
60
40
20
0

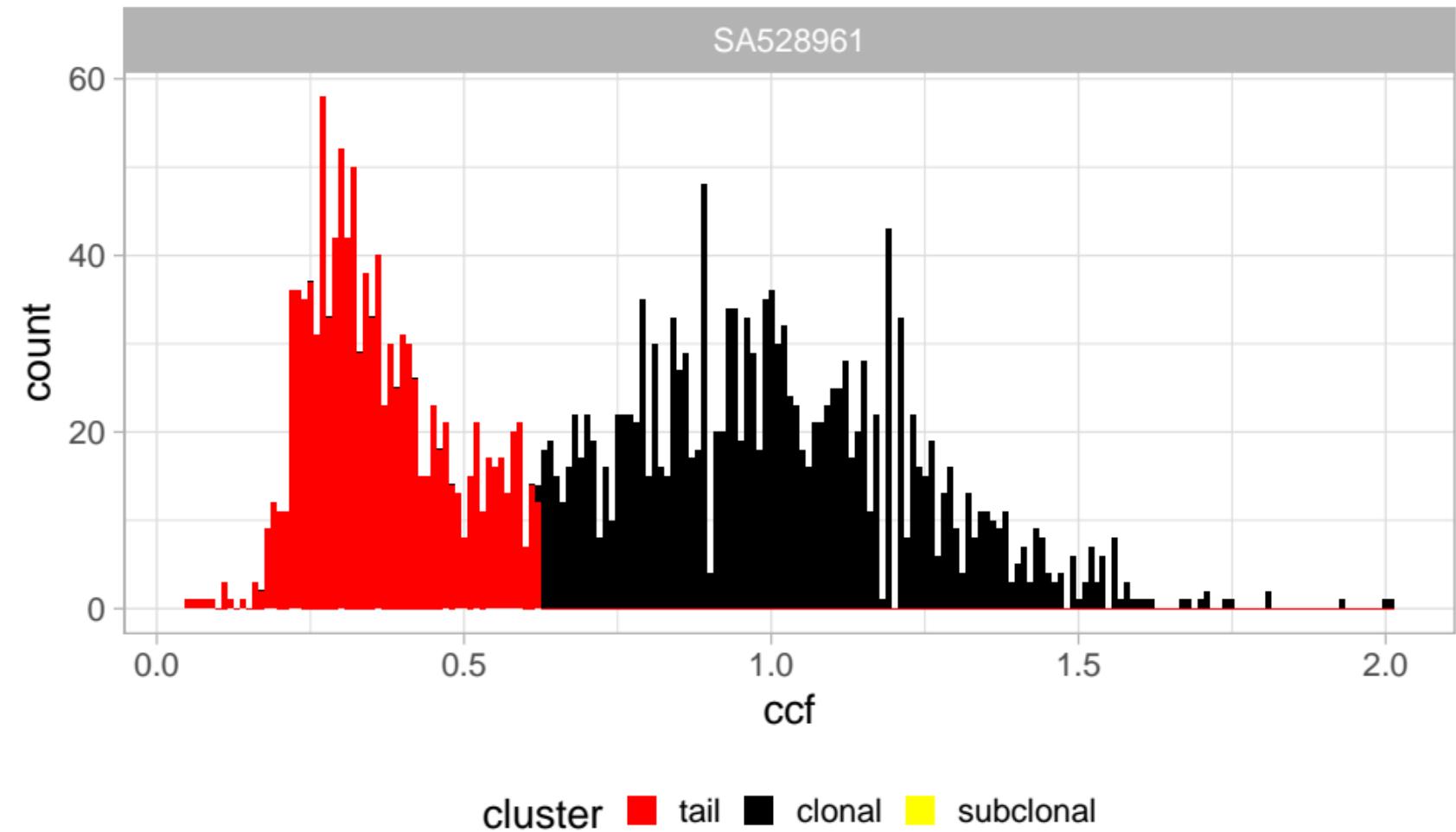
0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA528961



SA528963

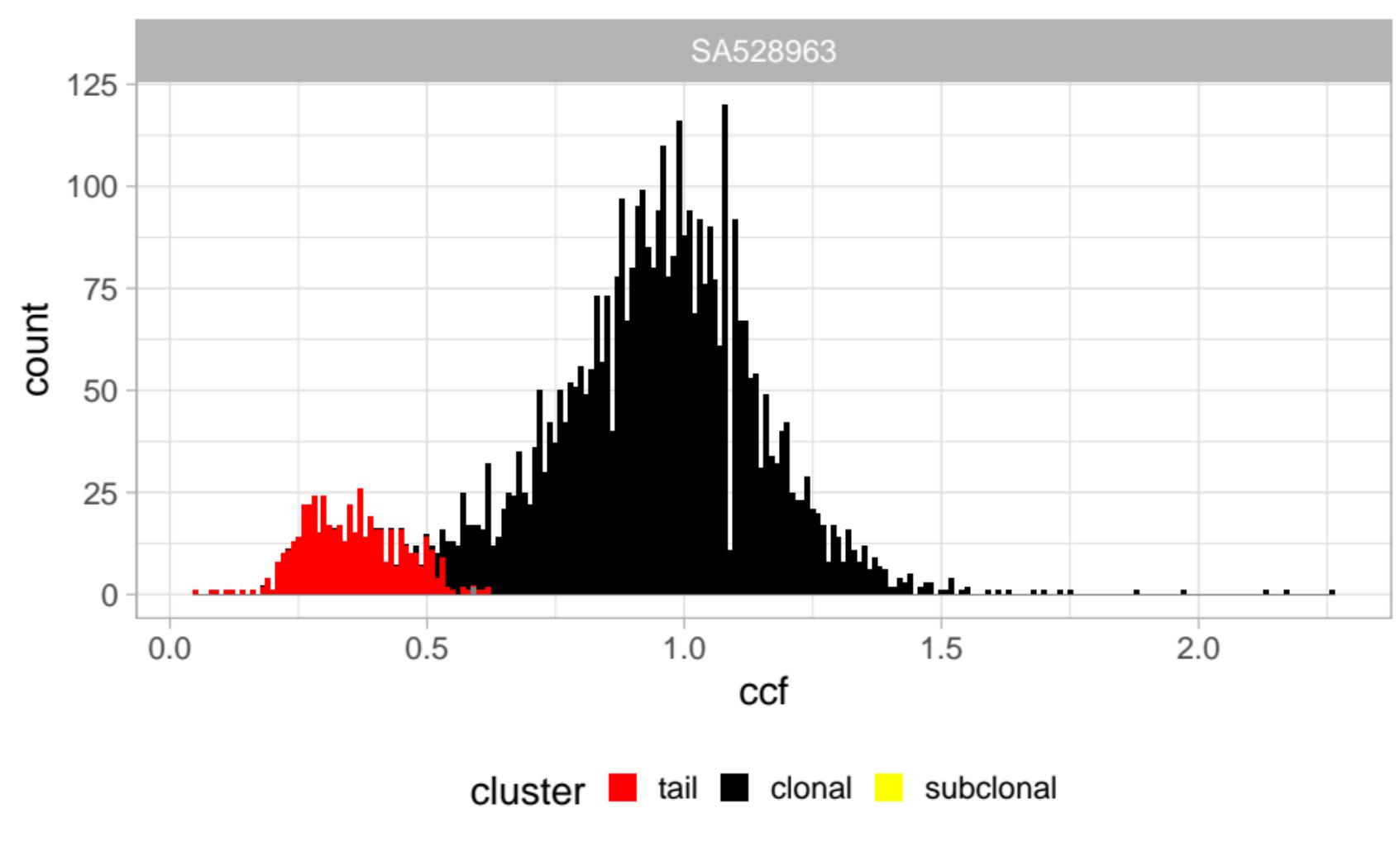
count

125
100
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA528962

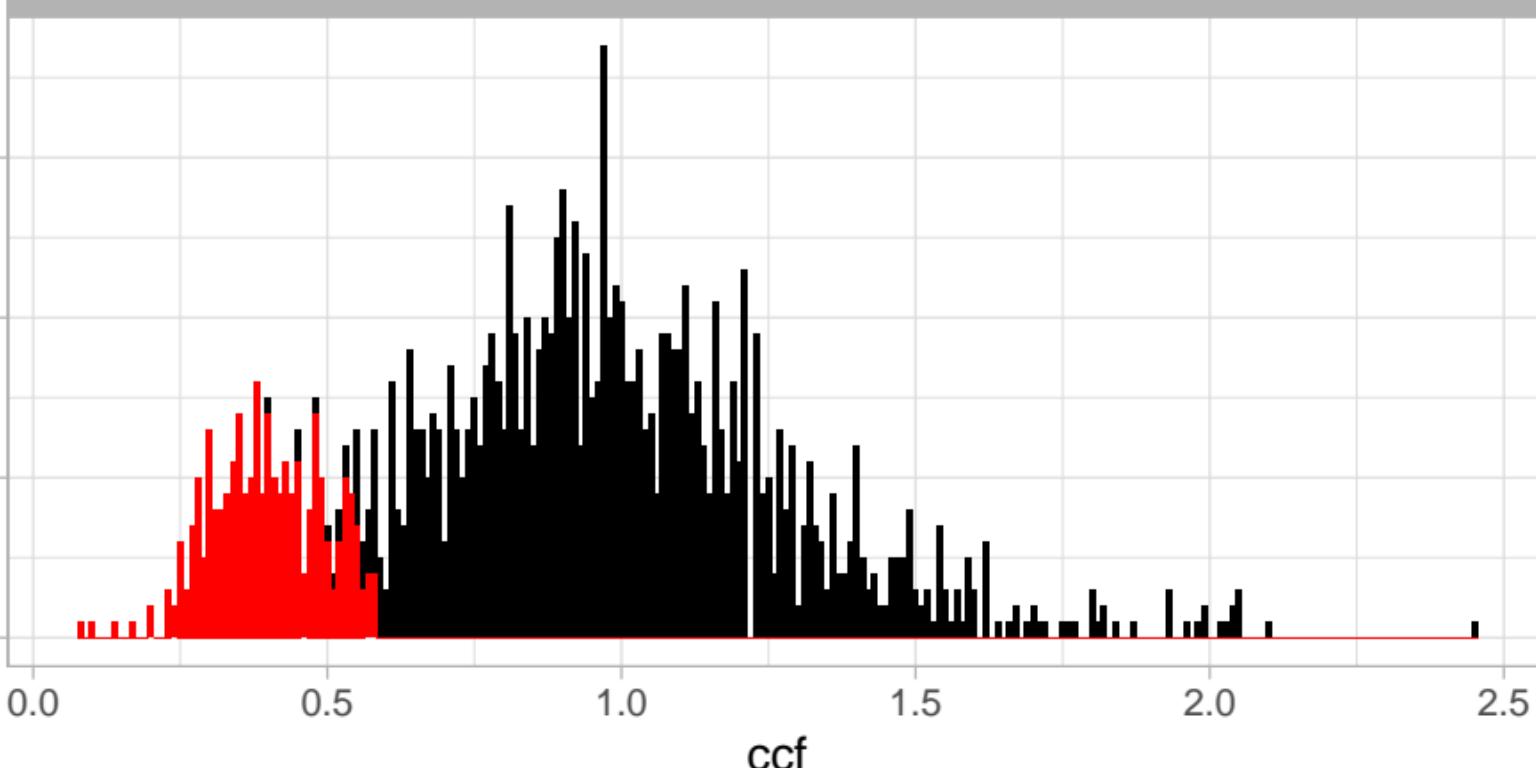
count

30
20
10
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA528970

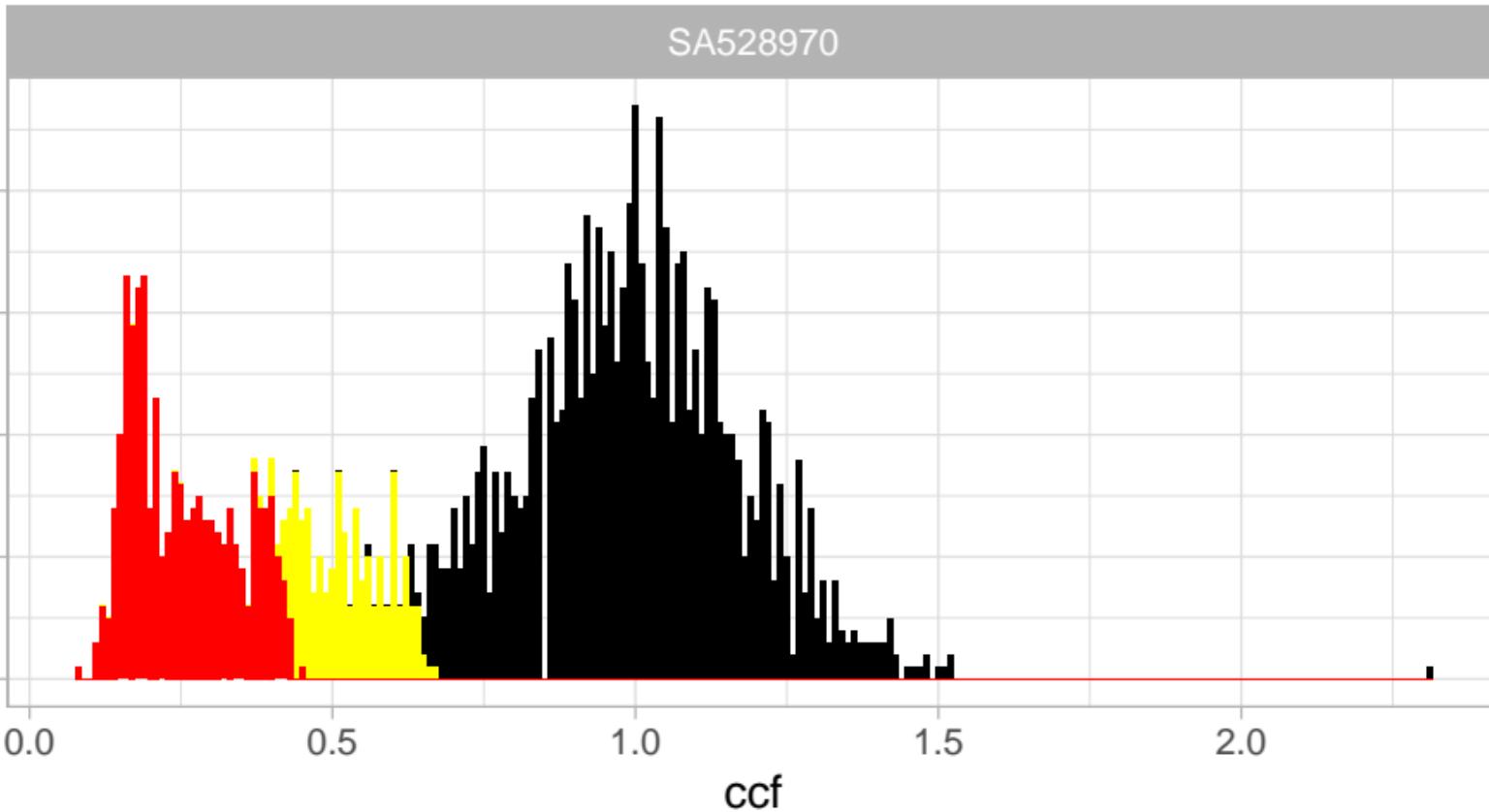
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA528988

count

200

150

100

50

0

0.0

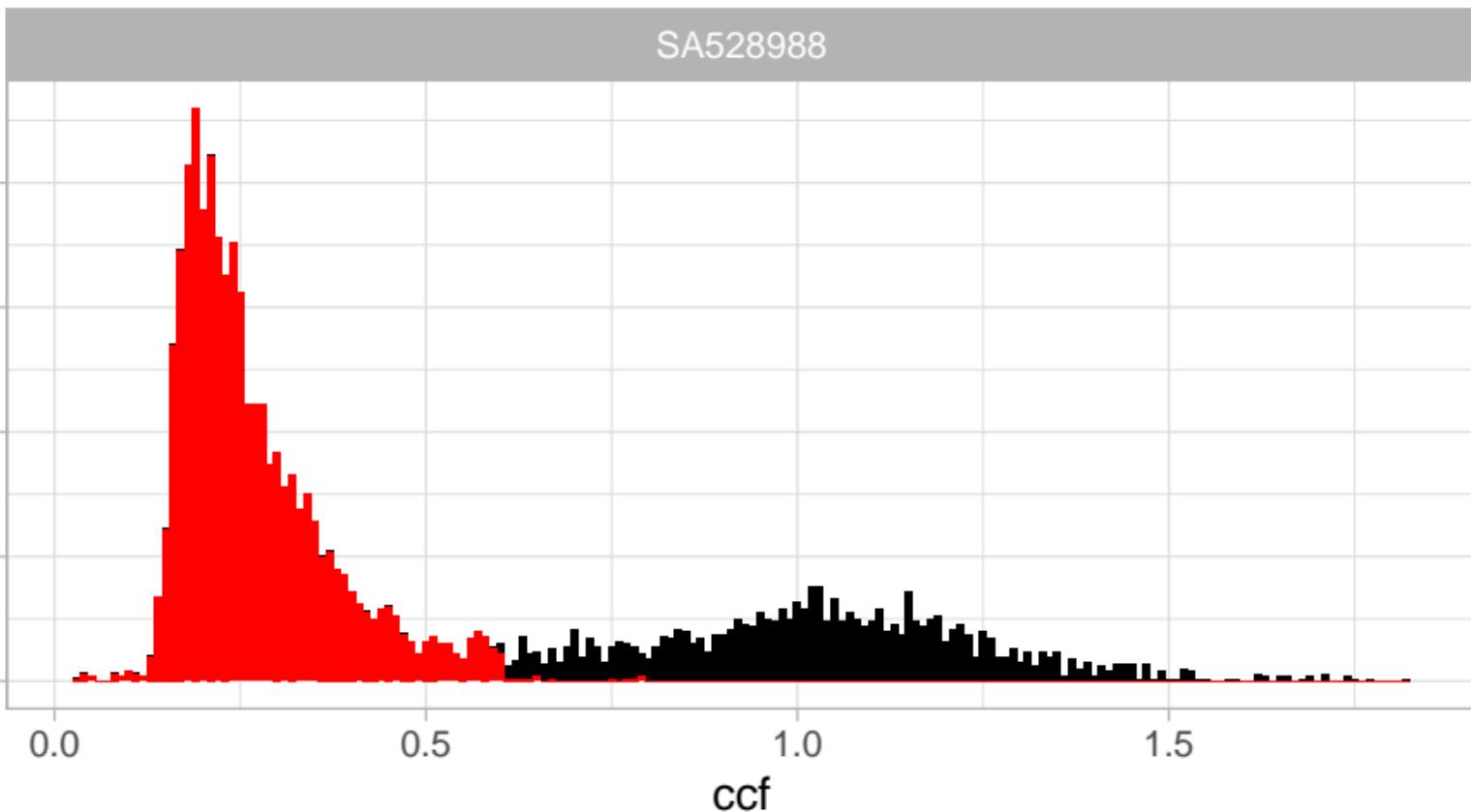
0.5

1.0

1.5

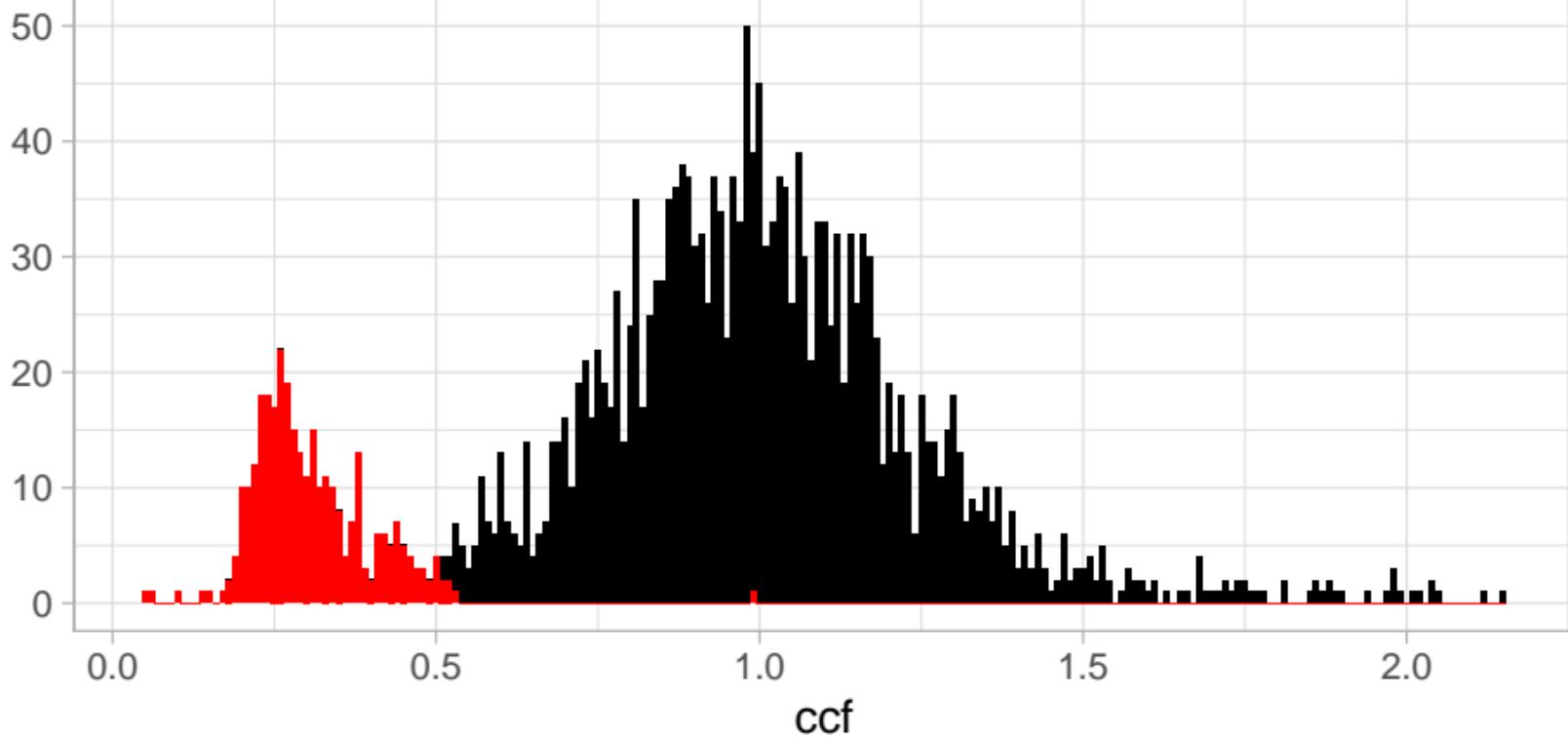
ccf

cluster ■ tail ■ clonal ■ subclonal



SA528986

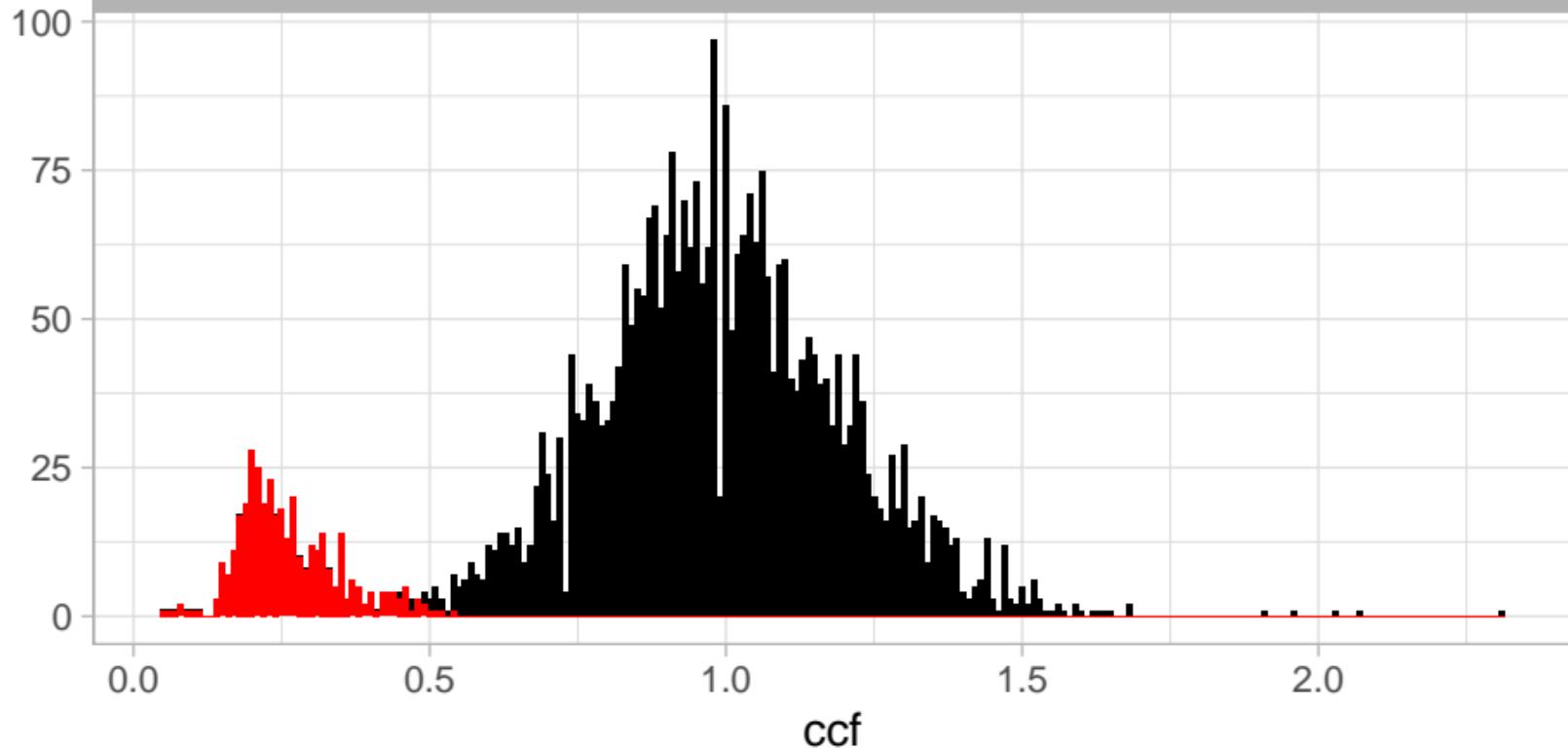
count



cluster ■ tail ■ clonal ■ subclonal

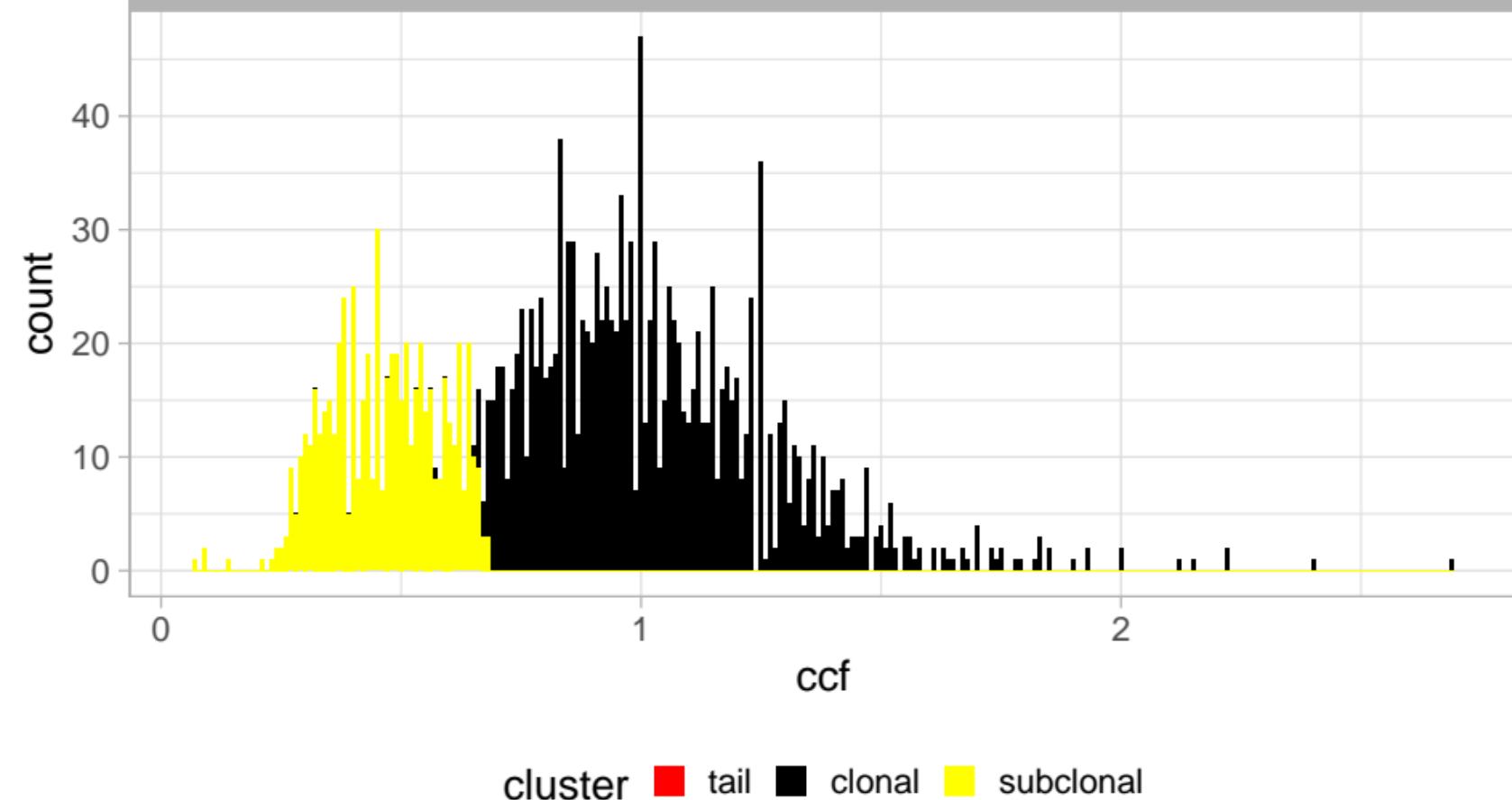
SA528964

count



cluster ■ tail ■ clonal ■ subclonal

SA528973



cluster ■ tail ■ clonal ■ subclonal

SA558566

count

5
4
3
2
1
0

0 1 2 3 4 5

ccf

cluster tail clonal subclonal

SA528987

count

100
75
50
25
0

0 1 2 3

ccf

cluster ■ tail ■ clonal ■ subclonal

SA518764

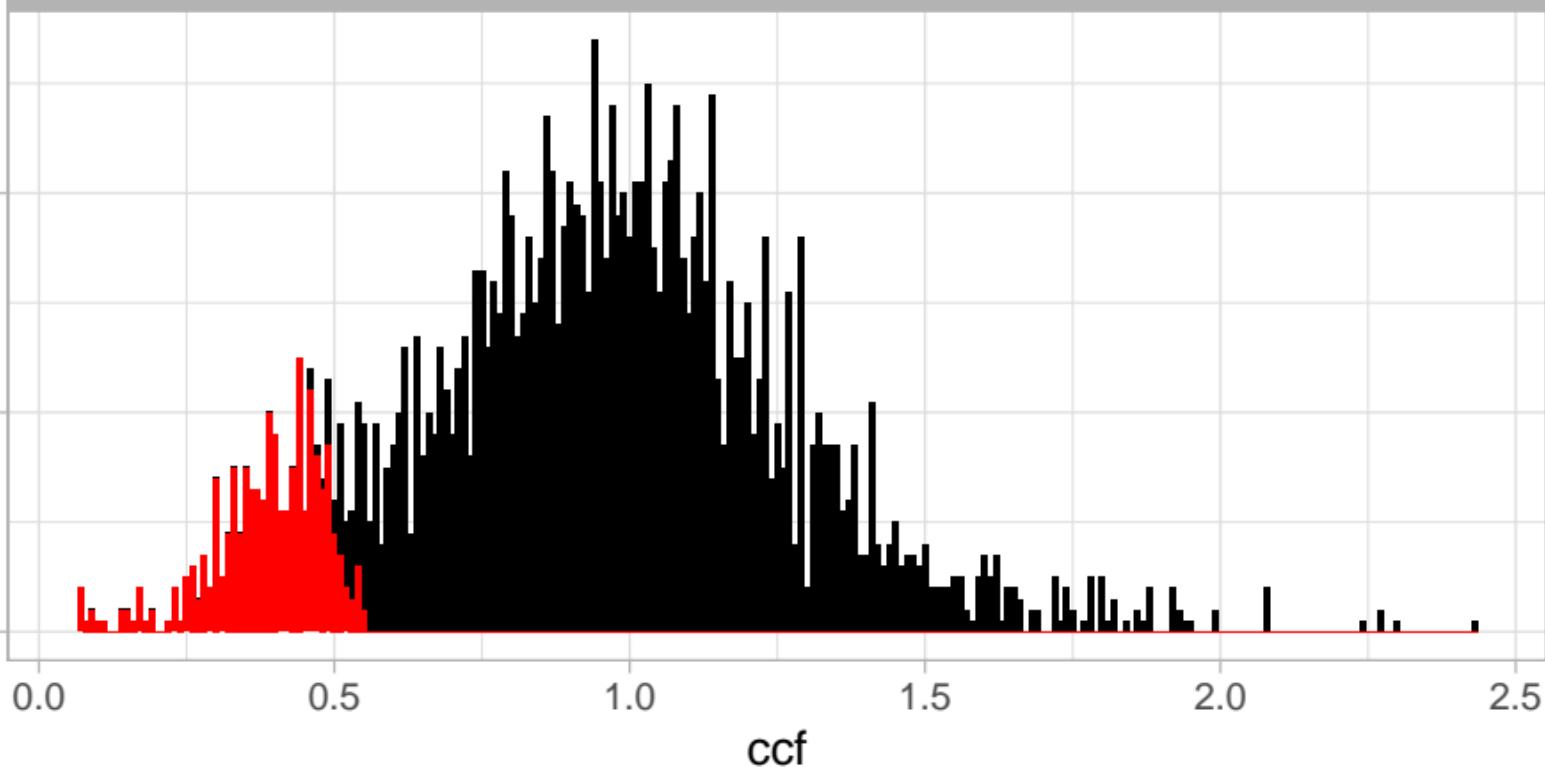
count

40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA520427

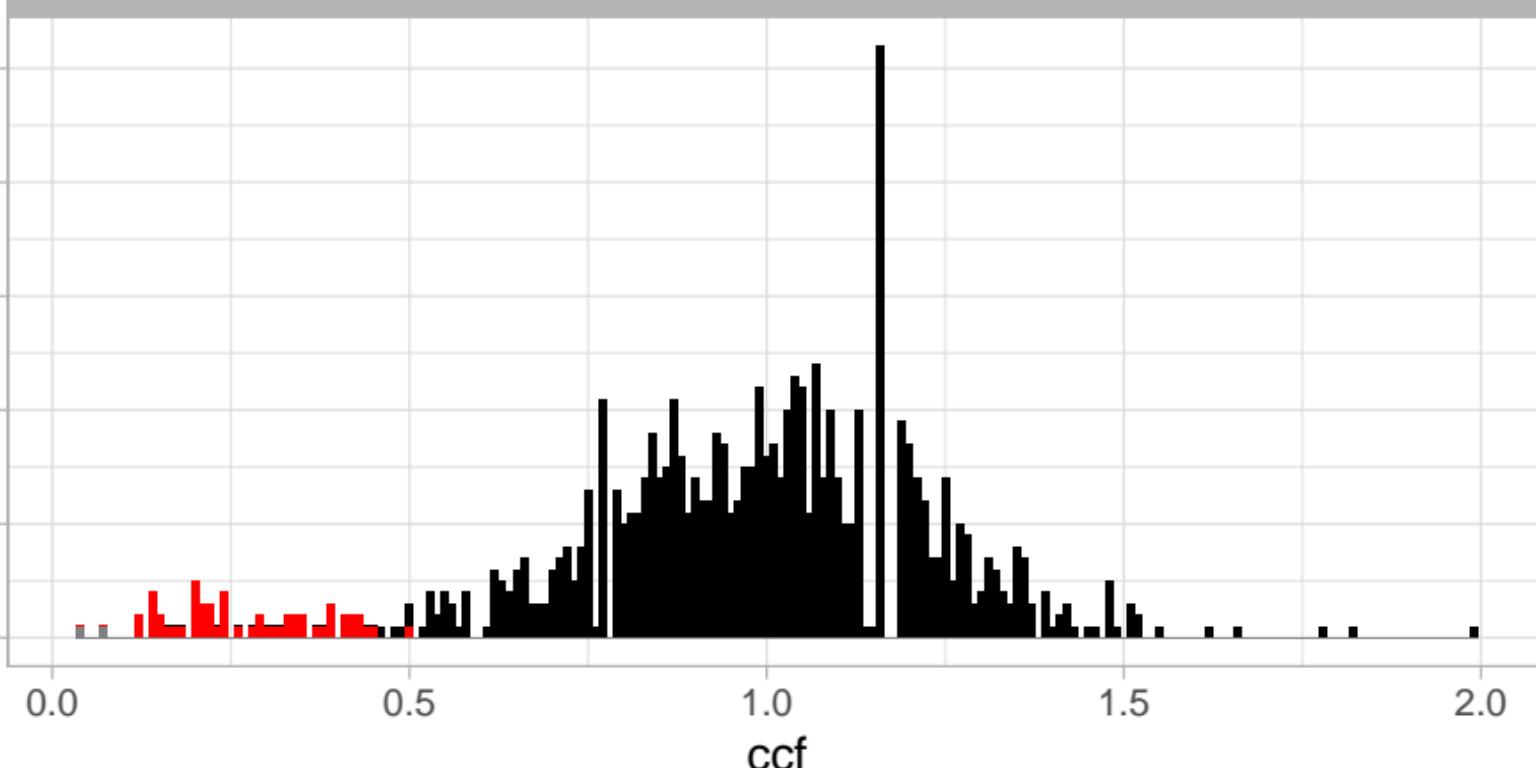
count

50
40
30
20
10
0

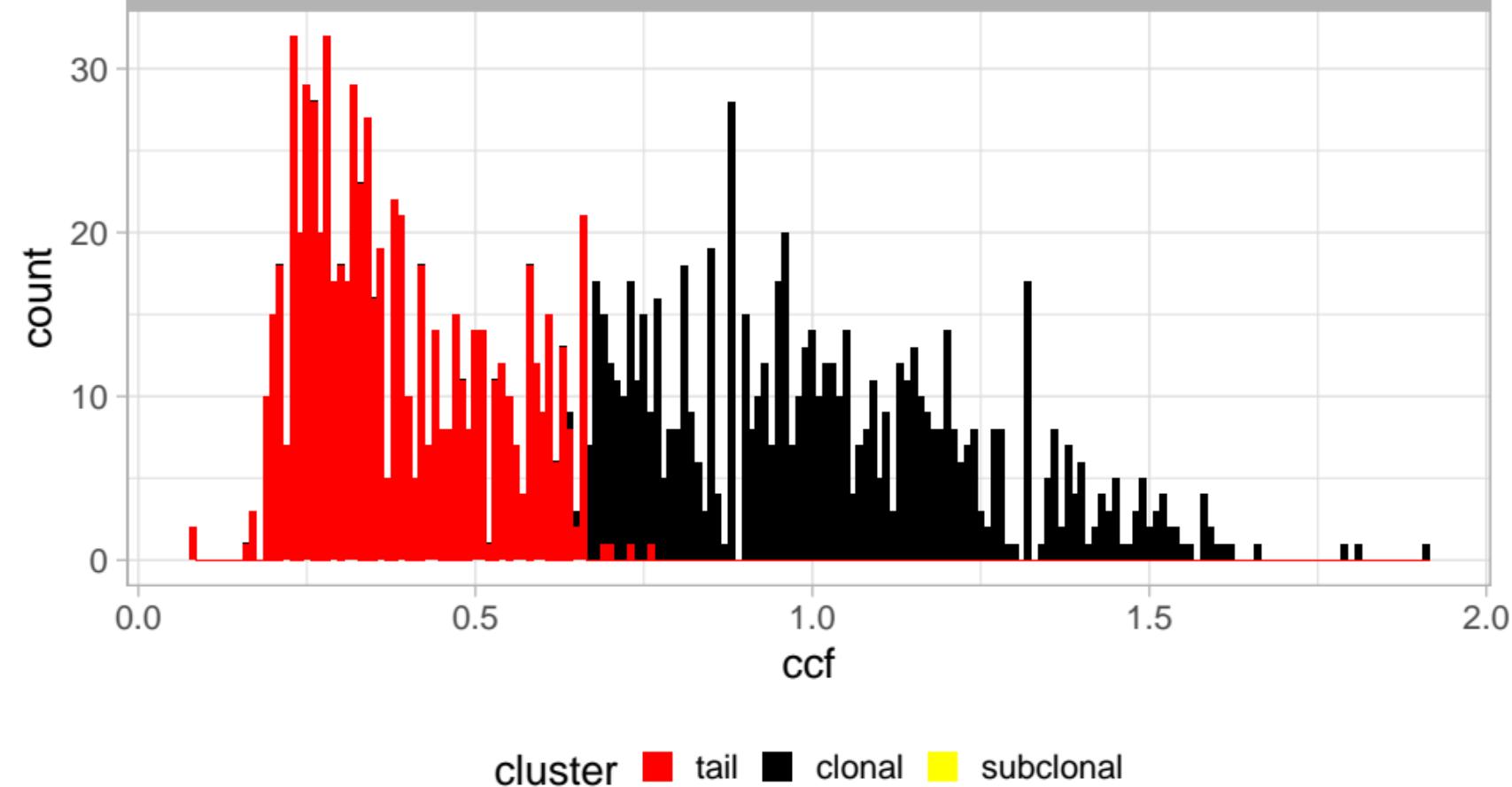
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA86726



SA528890

count

400
300
200
100
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA501541

count

400
200
0

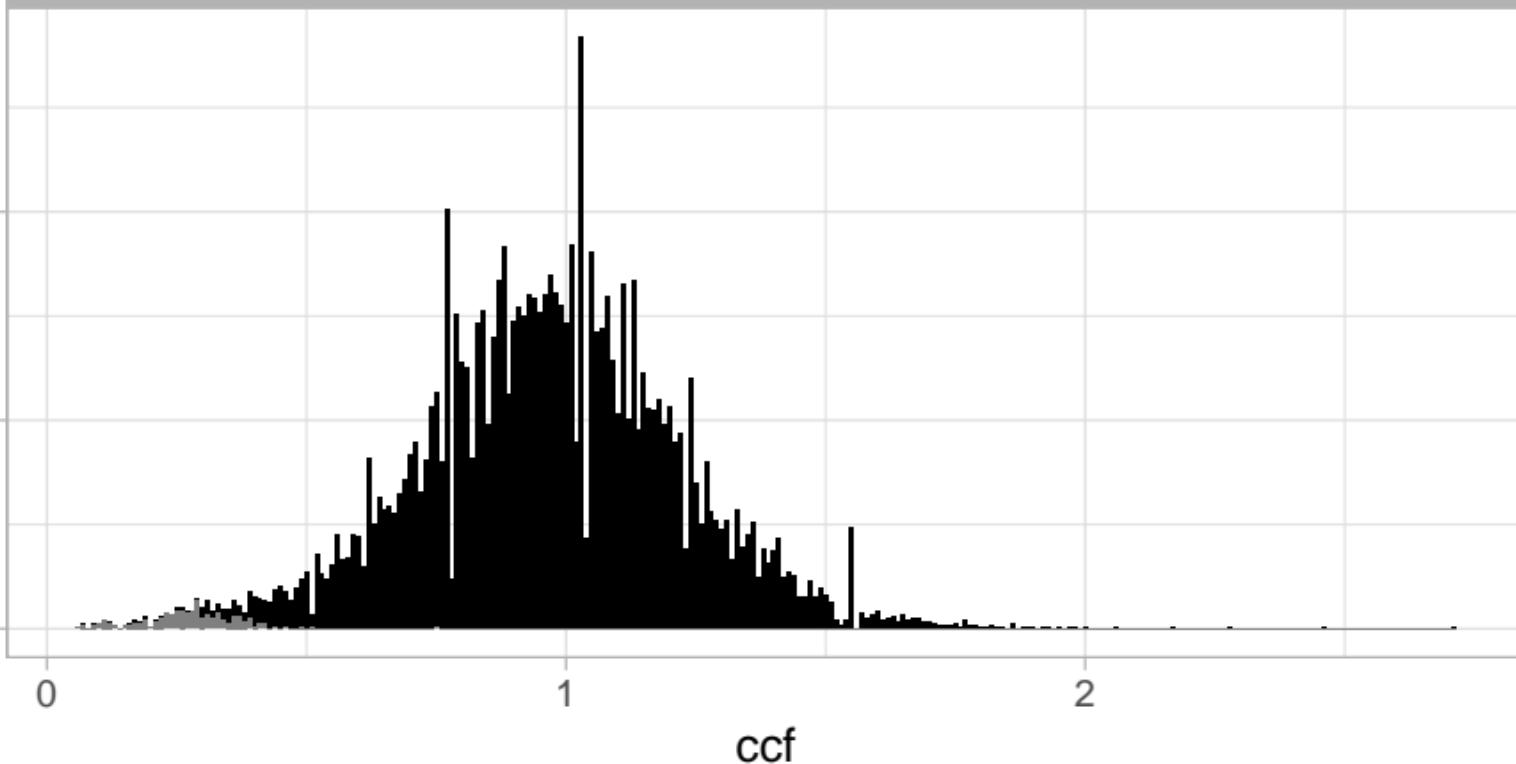
0

1

2

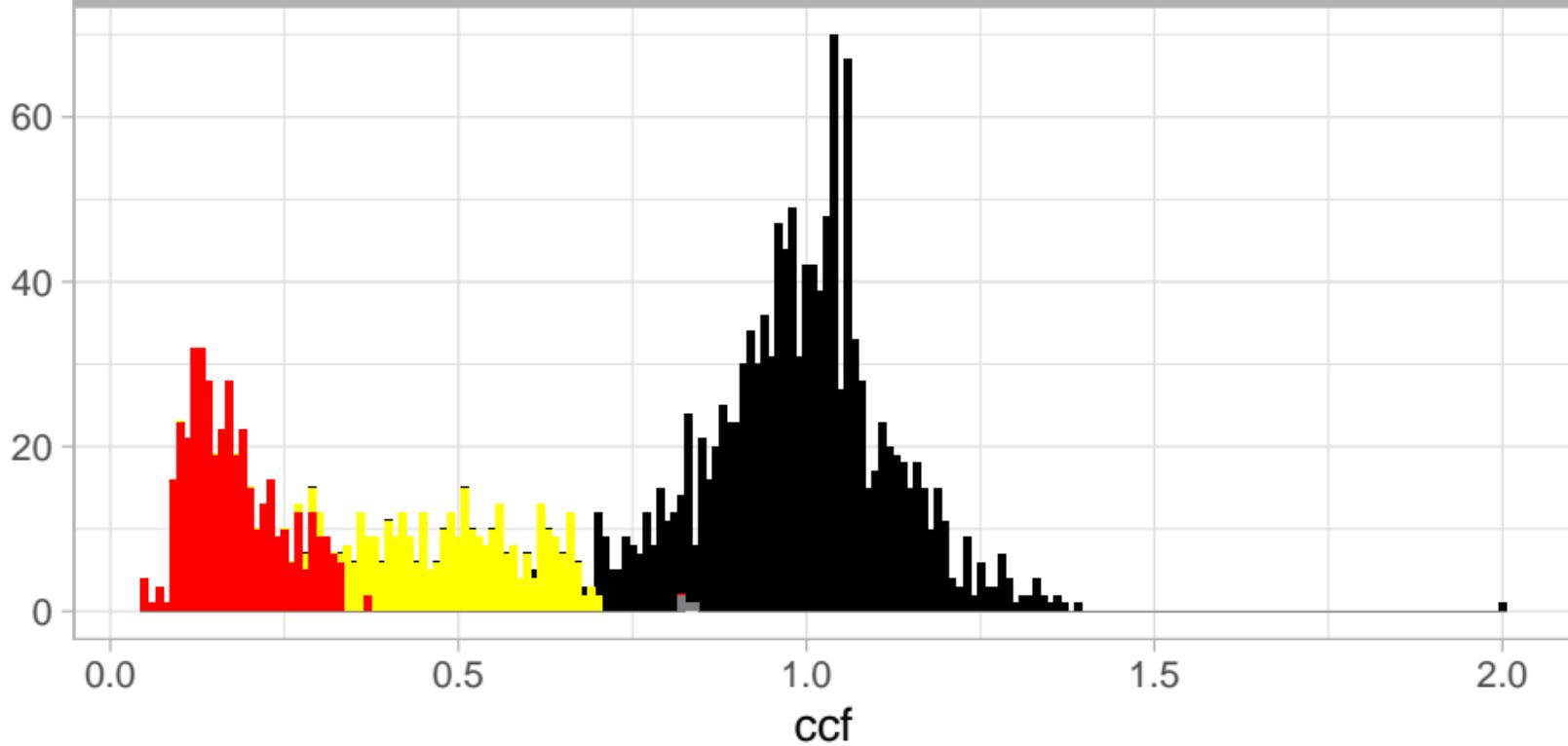
ccf

cluster tail clonal subclonal



SA514951

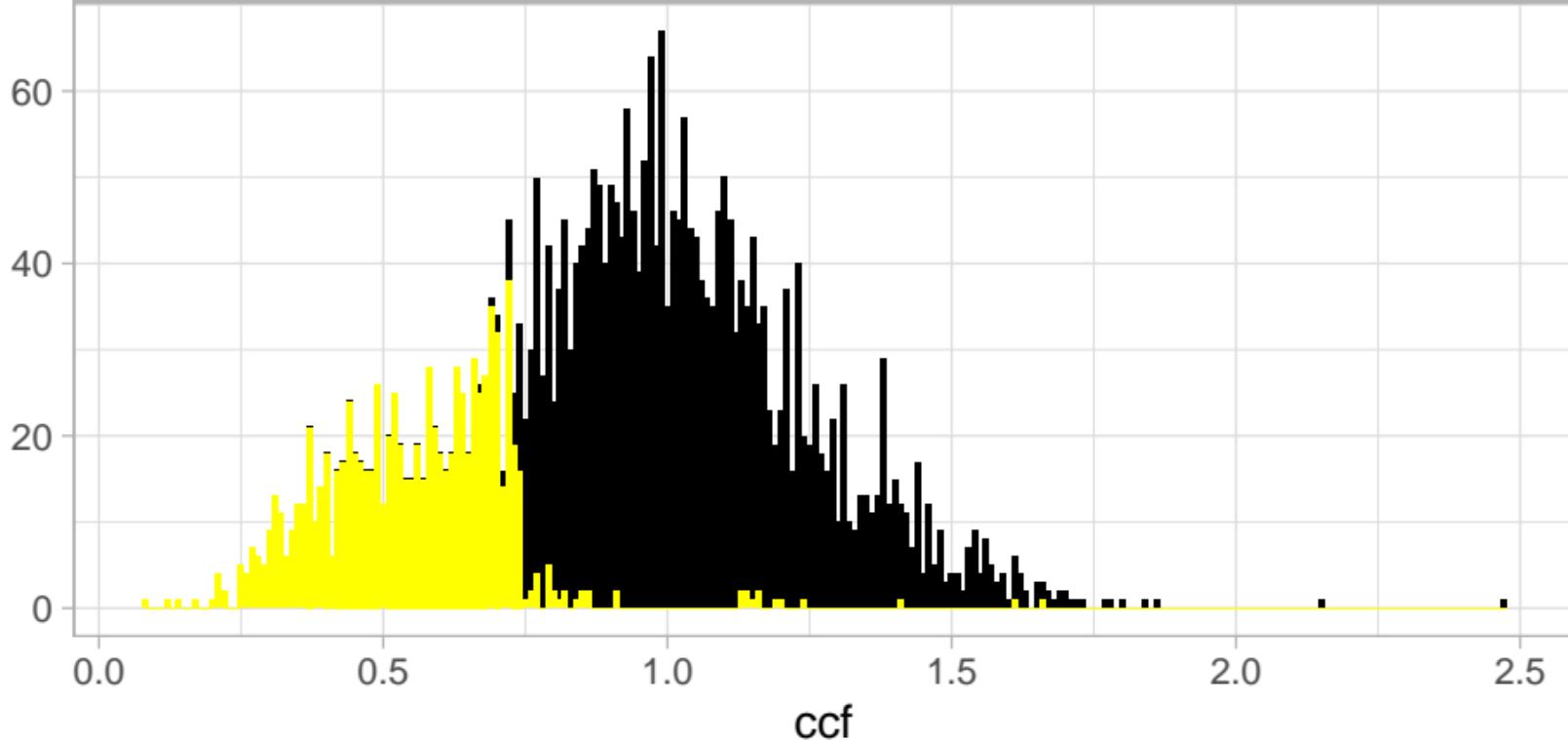
count



cluster ■ tail ■ clonal ■ subclonal

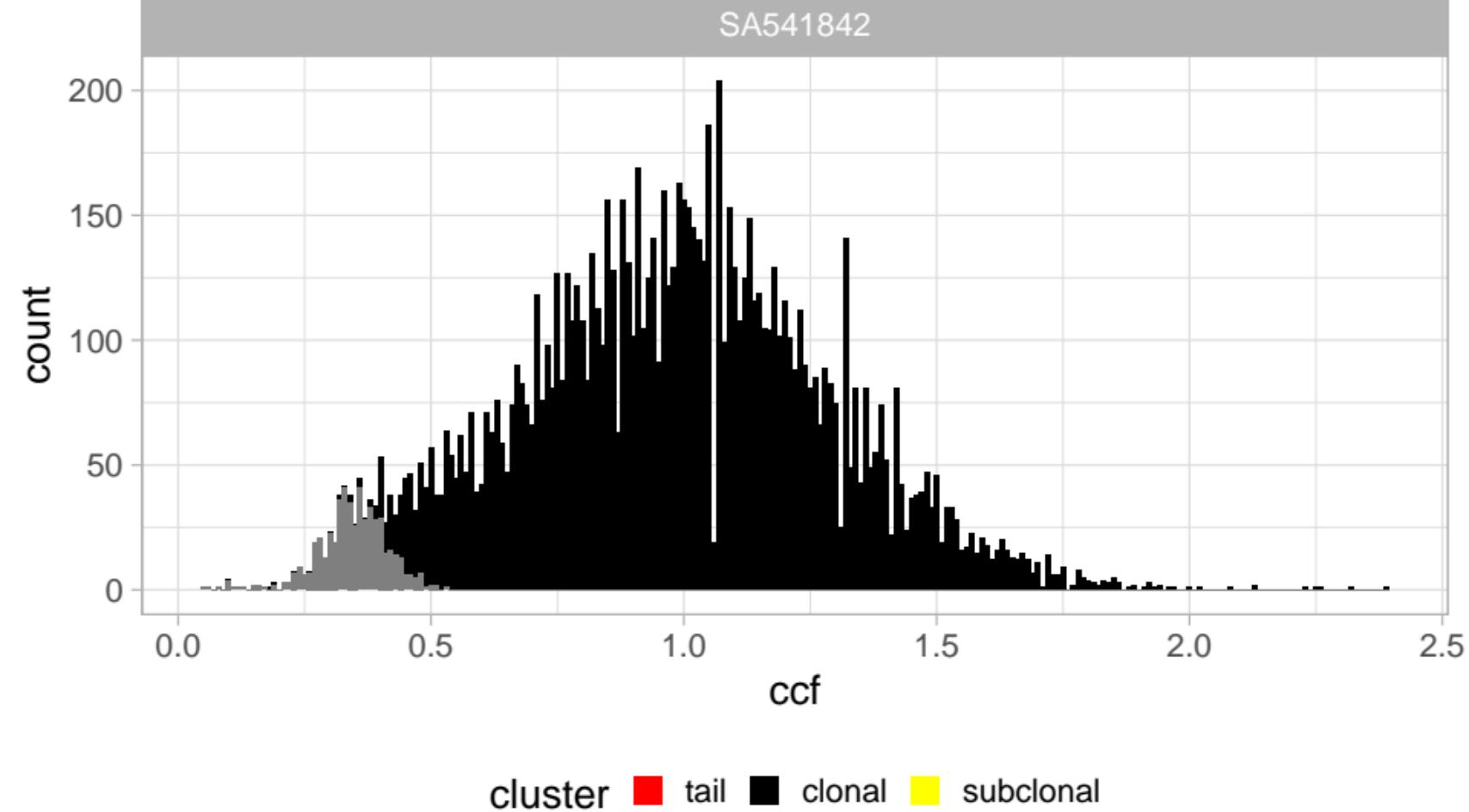
SA541832

count



cluster ■ tail ■ clonal ■ subclonal

SA541842



SA541814

count

90
60
30
0

0 1 2 3

ccf

cluster tail clonal subclonal

SA541854

count

200

150

100

50

0

0.0

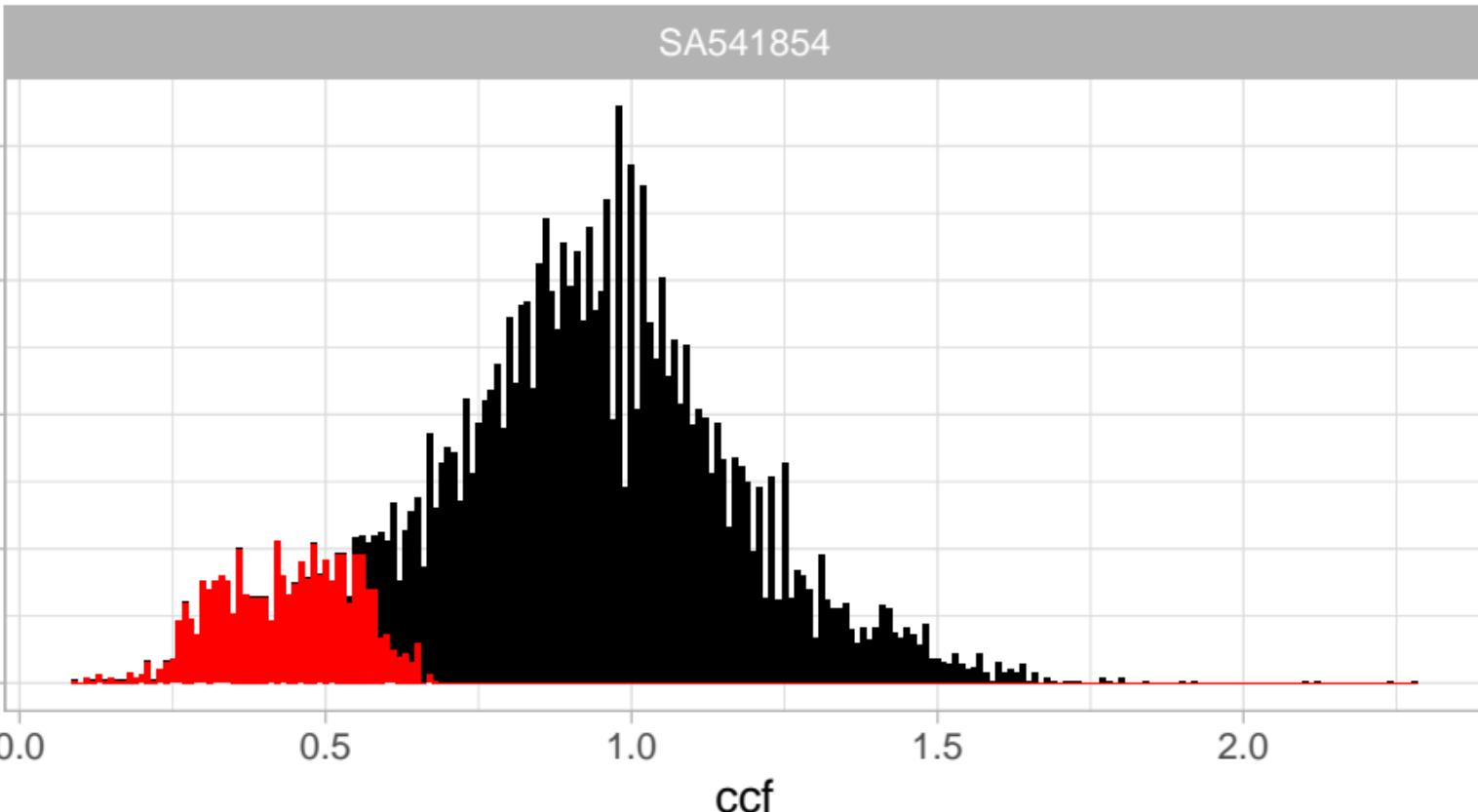
0.5

1.5

2.0

ccf

cluster tail clonal subclonal



SA541834

count

200
150
100
50
0

0

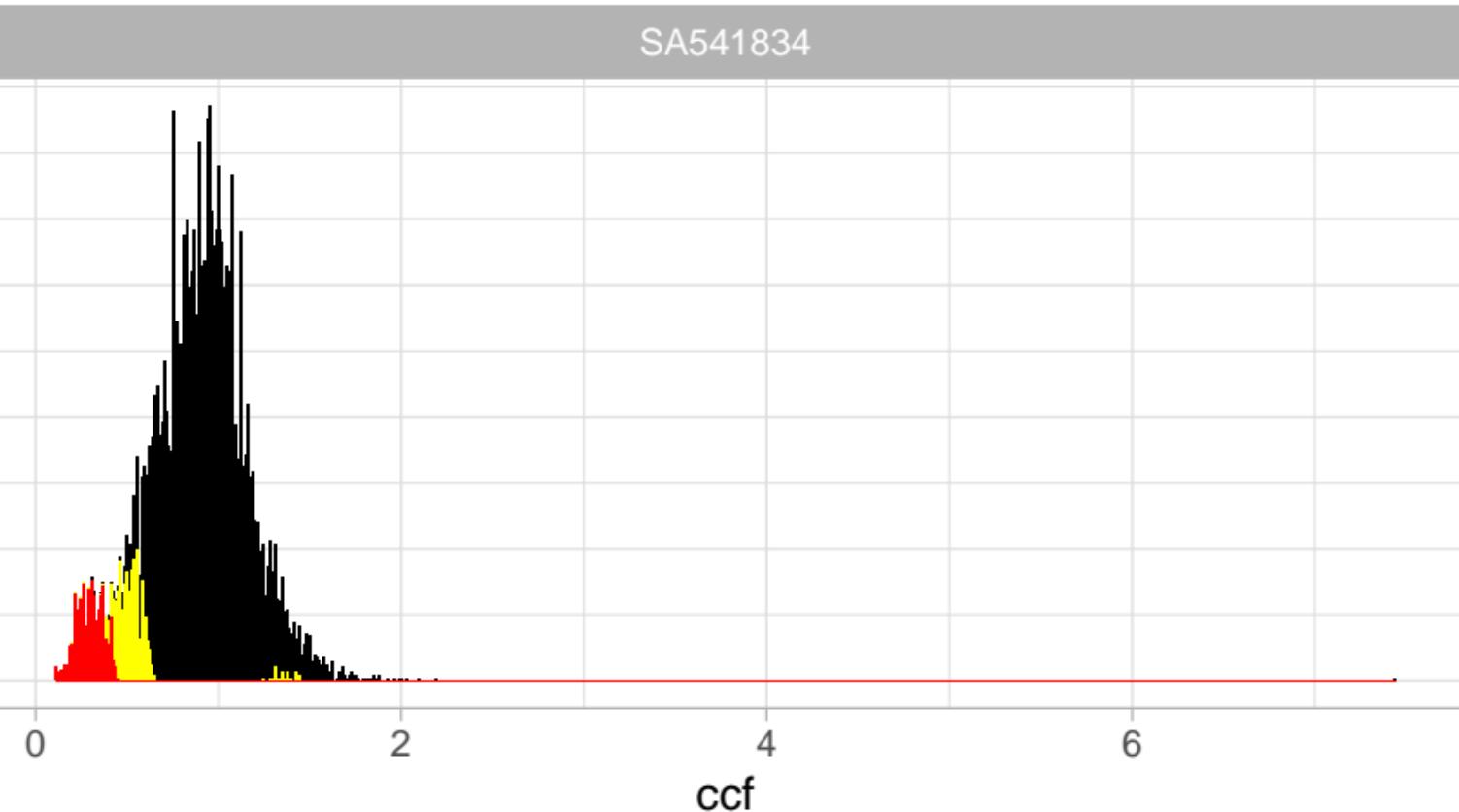
2

4

6

ccf

cluster ■ tail ■ clonal ■ subclonal



SA541846

count

150

100

50

0

0.0

0.5

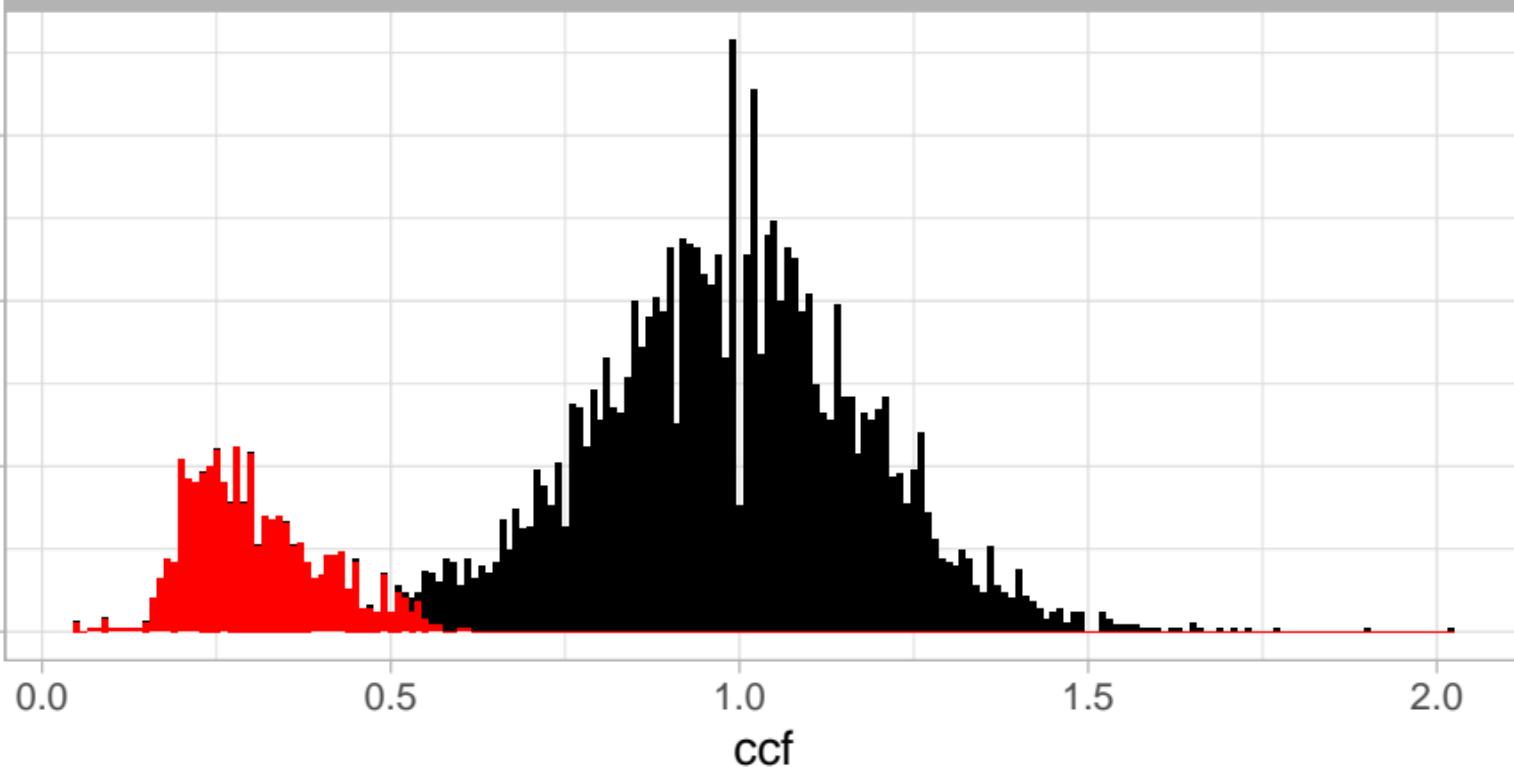
1.0

1.5

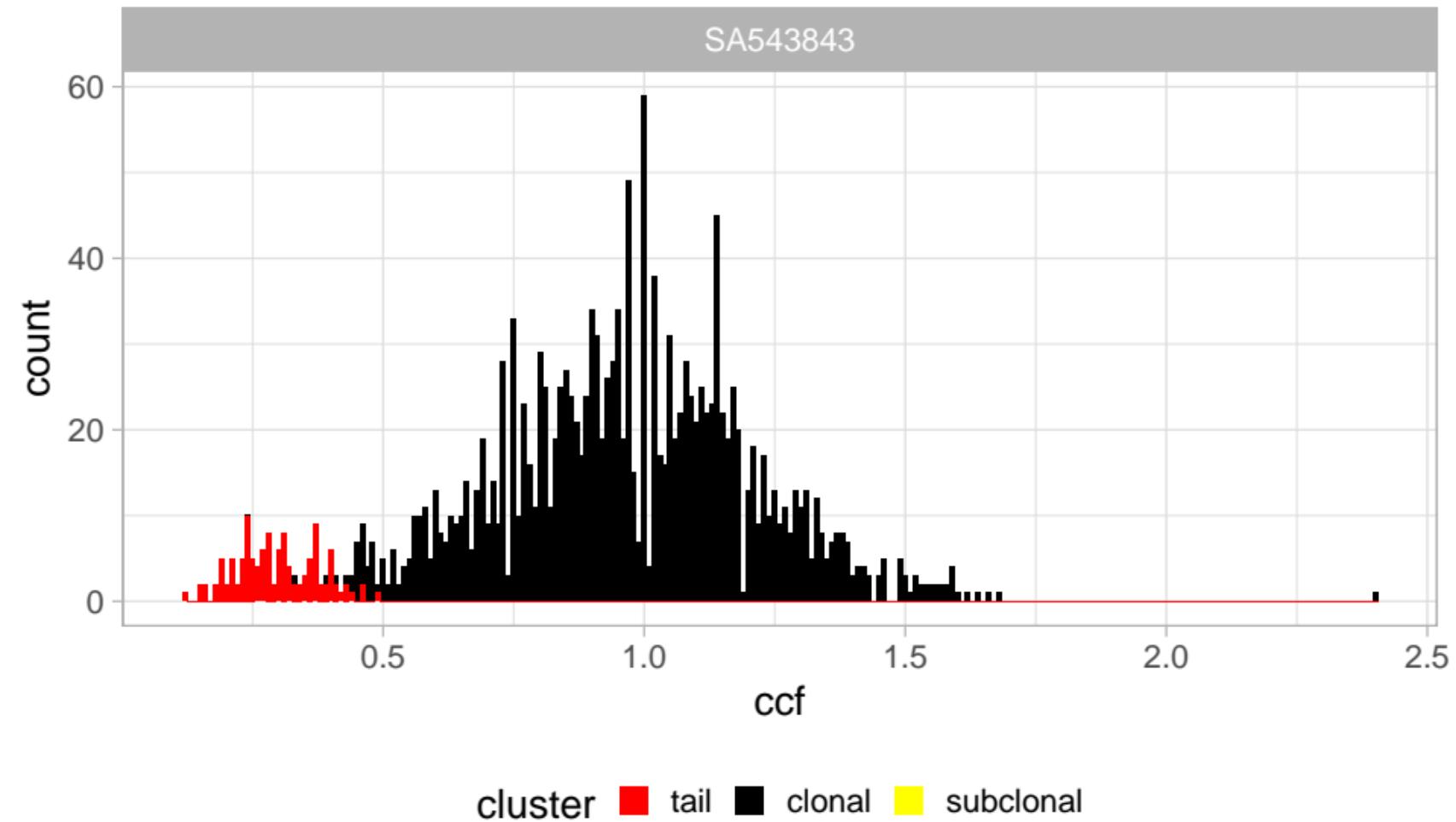
2.0

ccf

cluster tail clonal subclonal



SA543843



SA543090

count

80
60
40
20
0

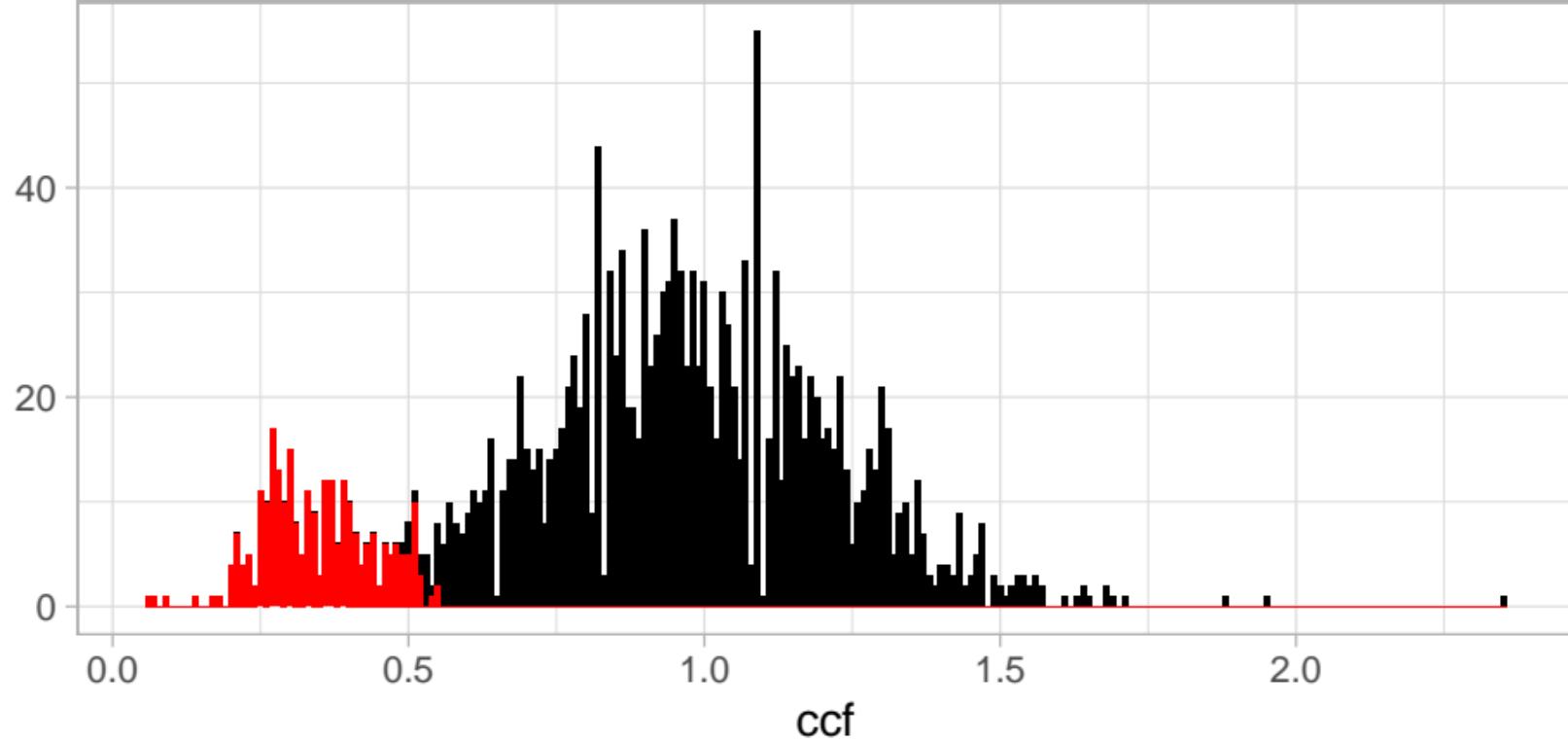
0 1 2

ccf

cluster tail clonal subclonal

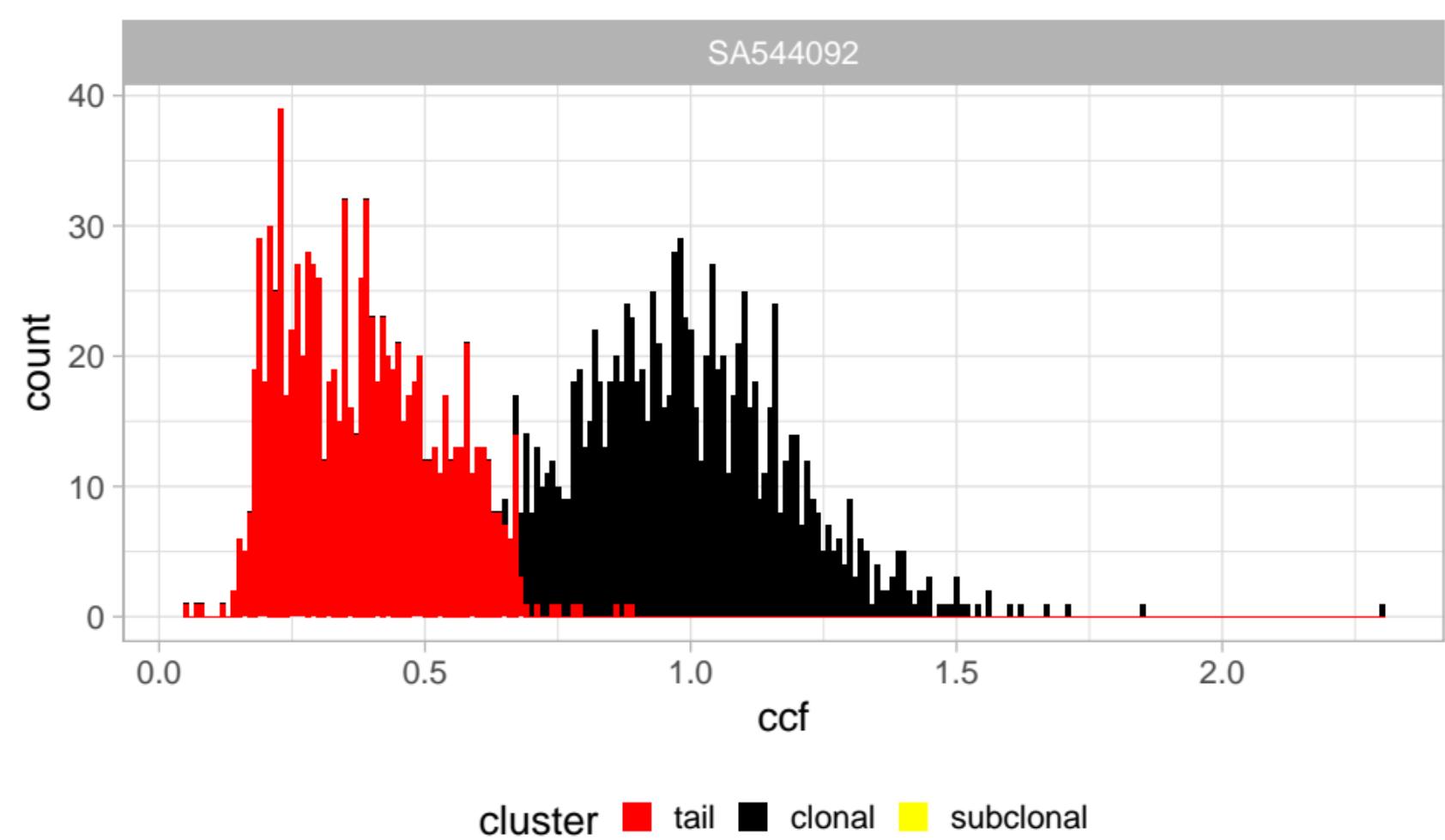
SA543114

count

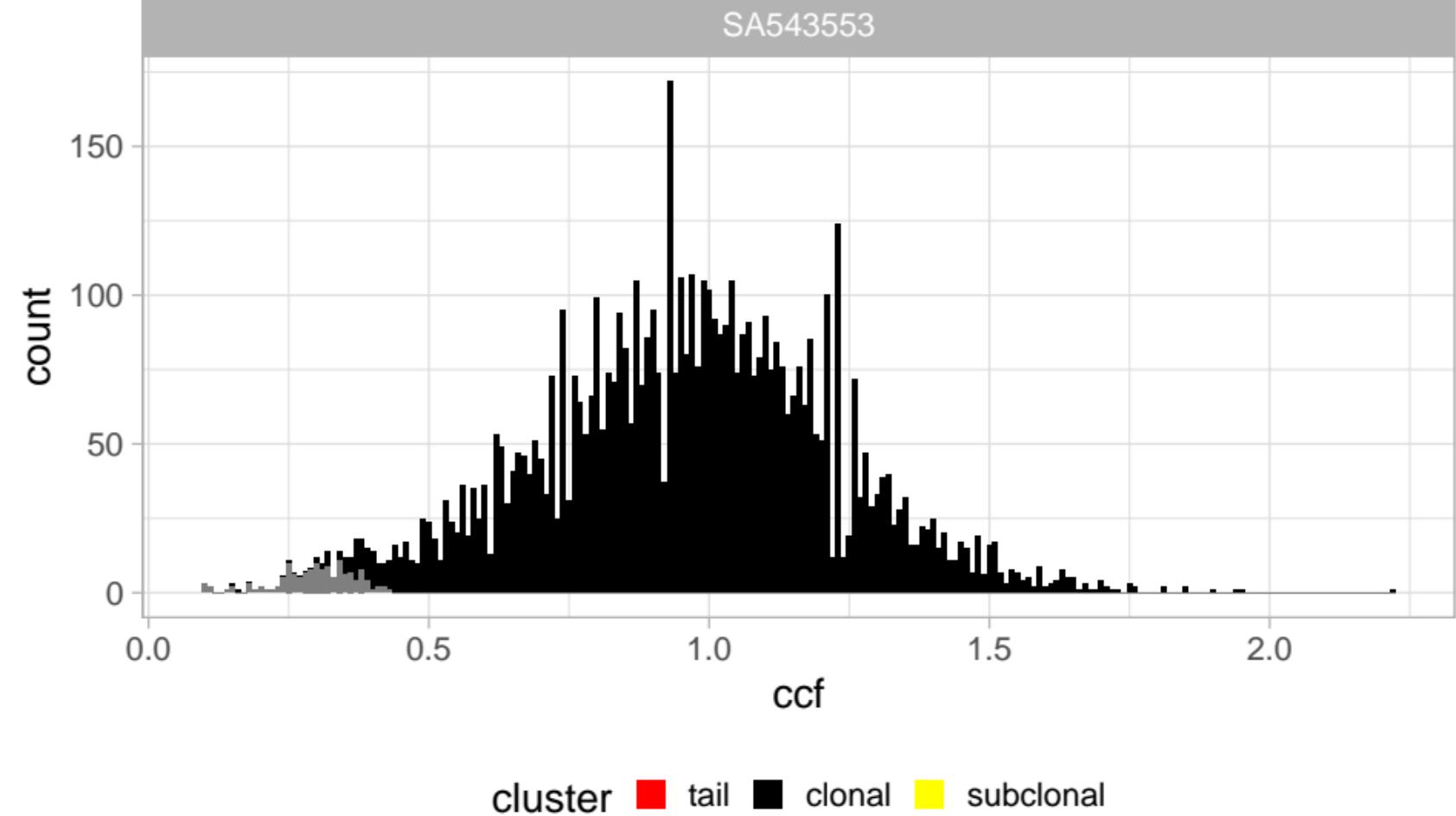


cluster tail clonal subclonal

SA544092



SA543553



SA557036

count

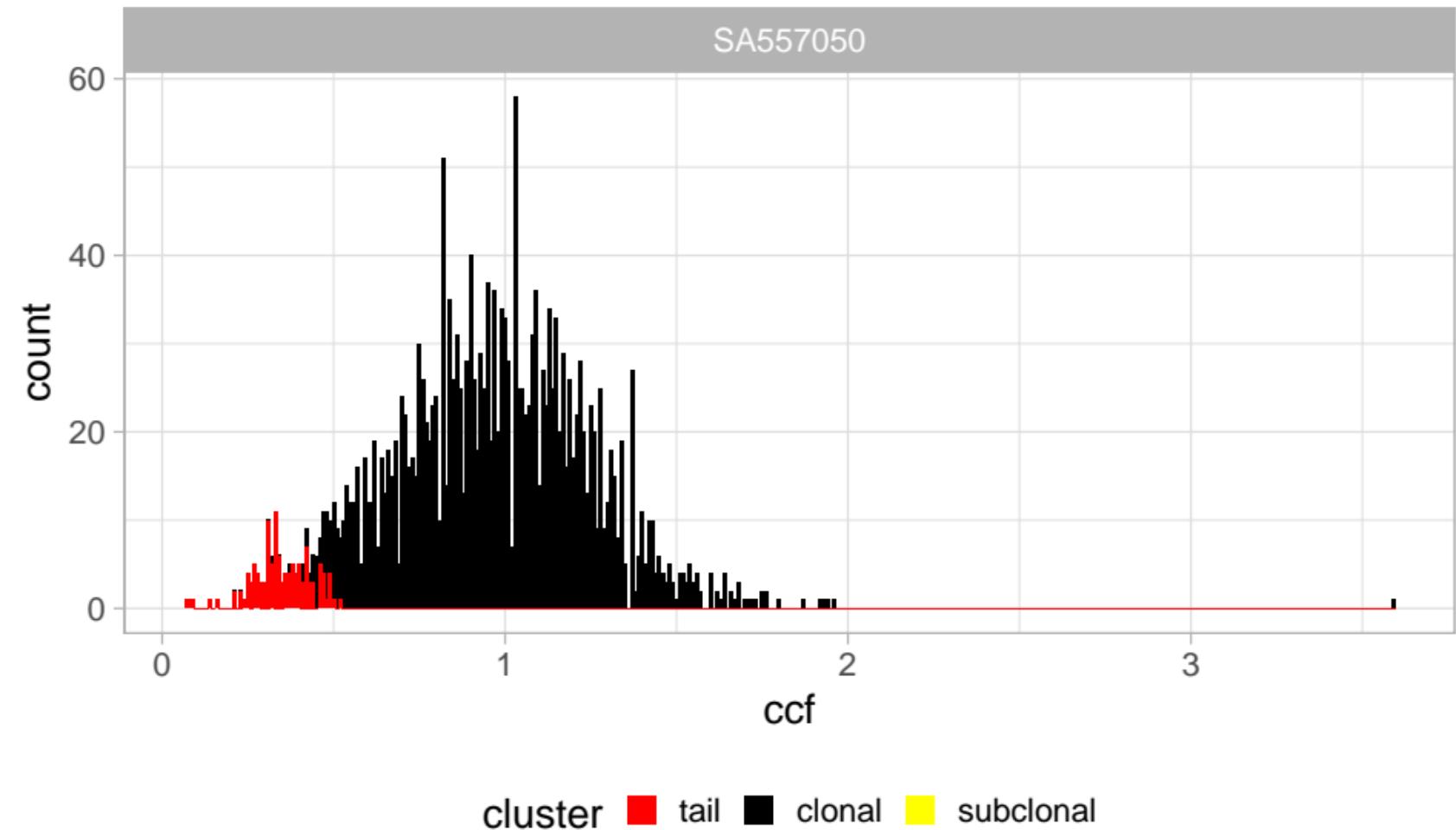
60
40
20
0

0.0 0.5 1.0 1.5

ccf

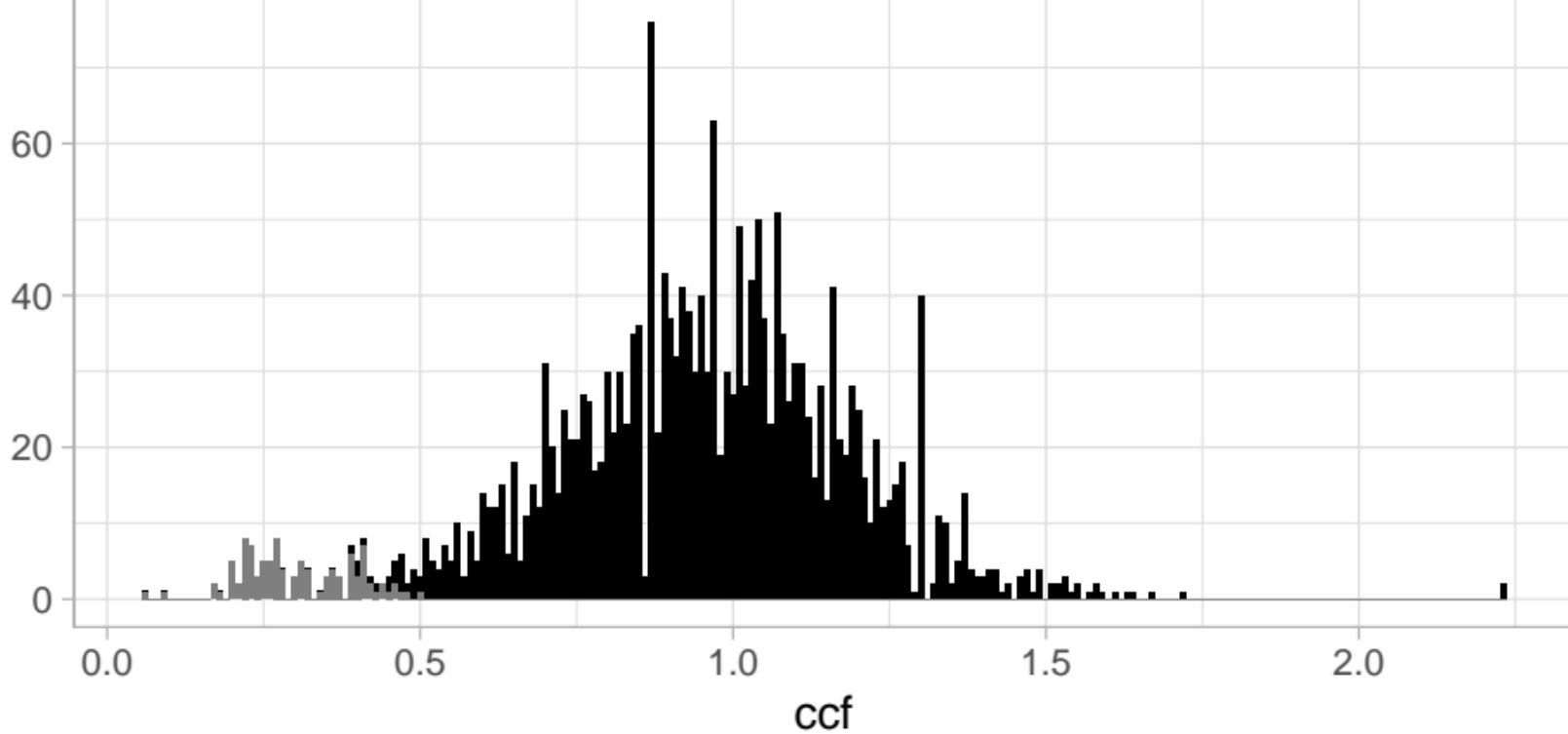
cluster tail clonal subclonal

SA557050



SA543912

count



cluster ■ tail ■ clonal ■ subclonal

SA542719

count

50
40
30
20
10
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA542427

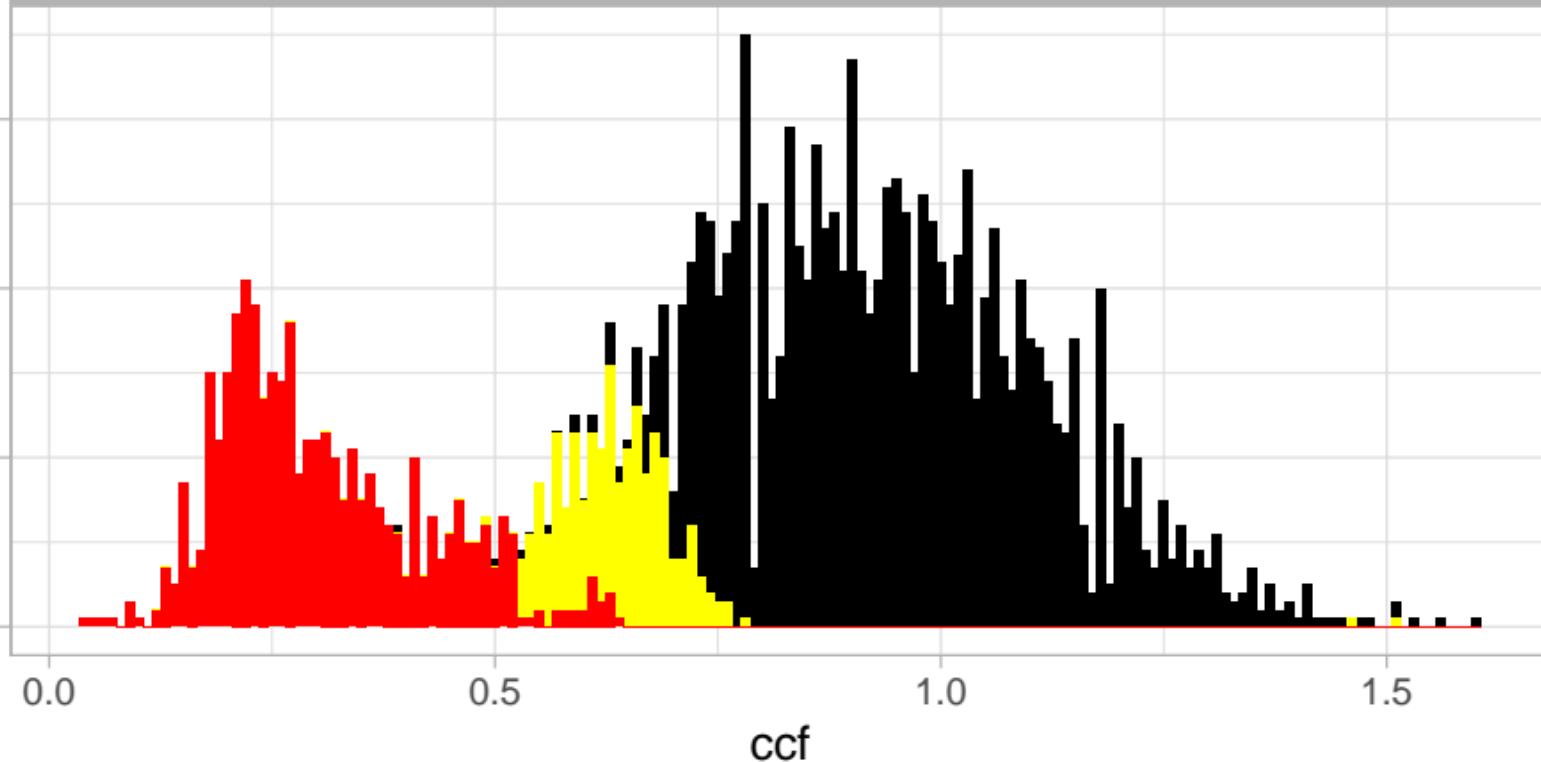
count

60
40
20
0

0.0 0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA543493

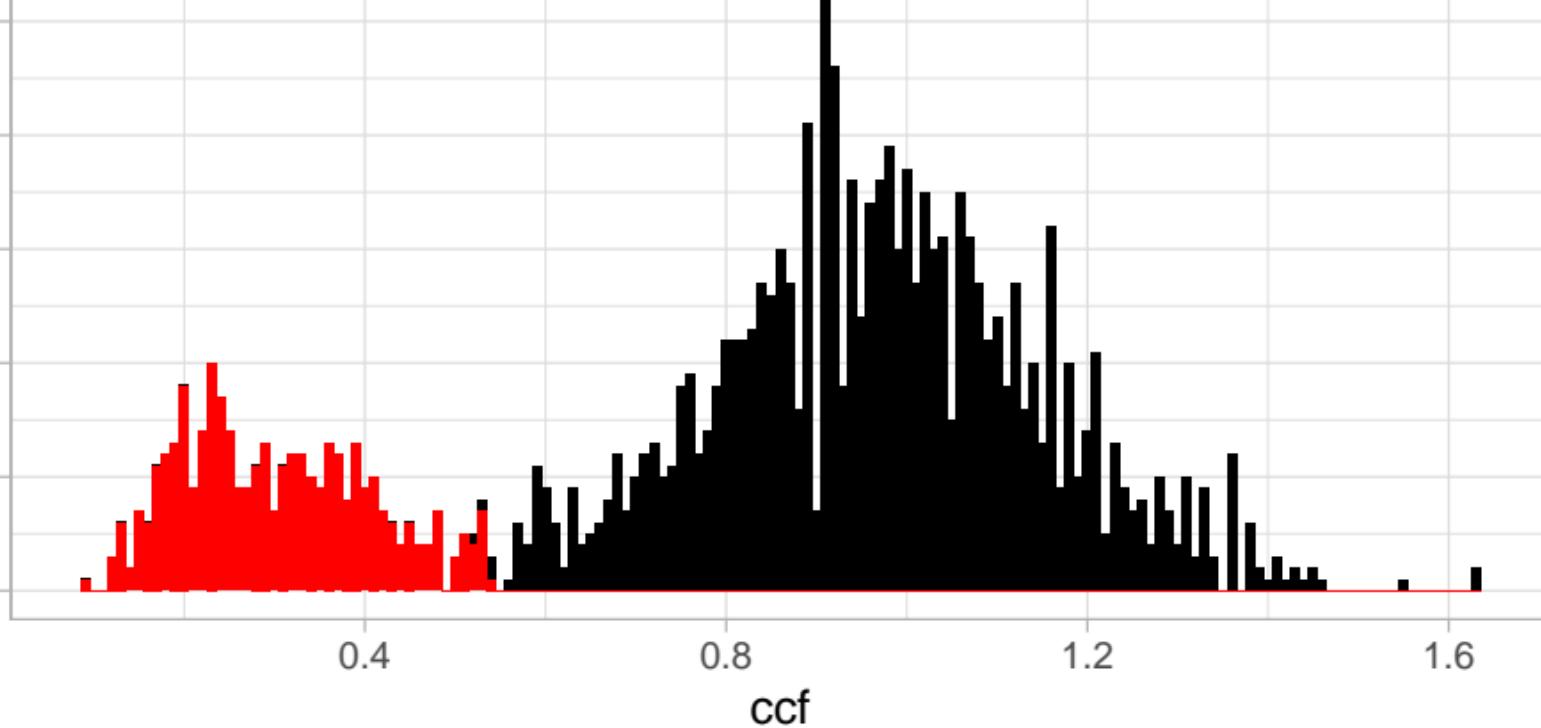
count

50
40
30
20
10
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA544294

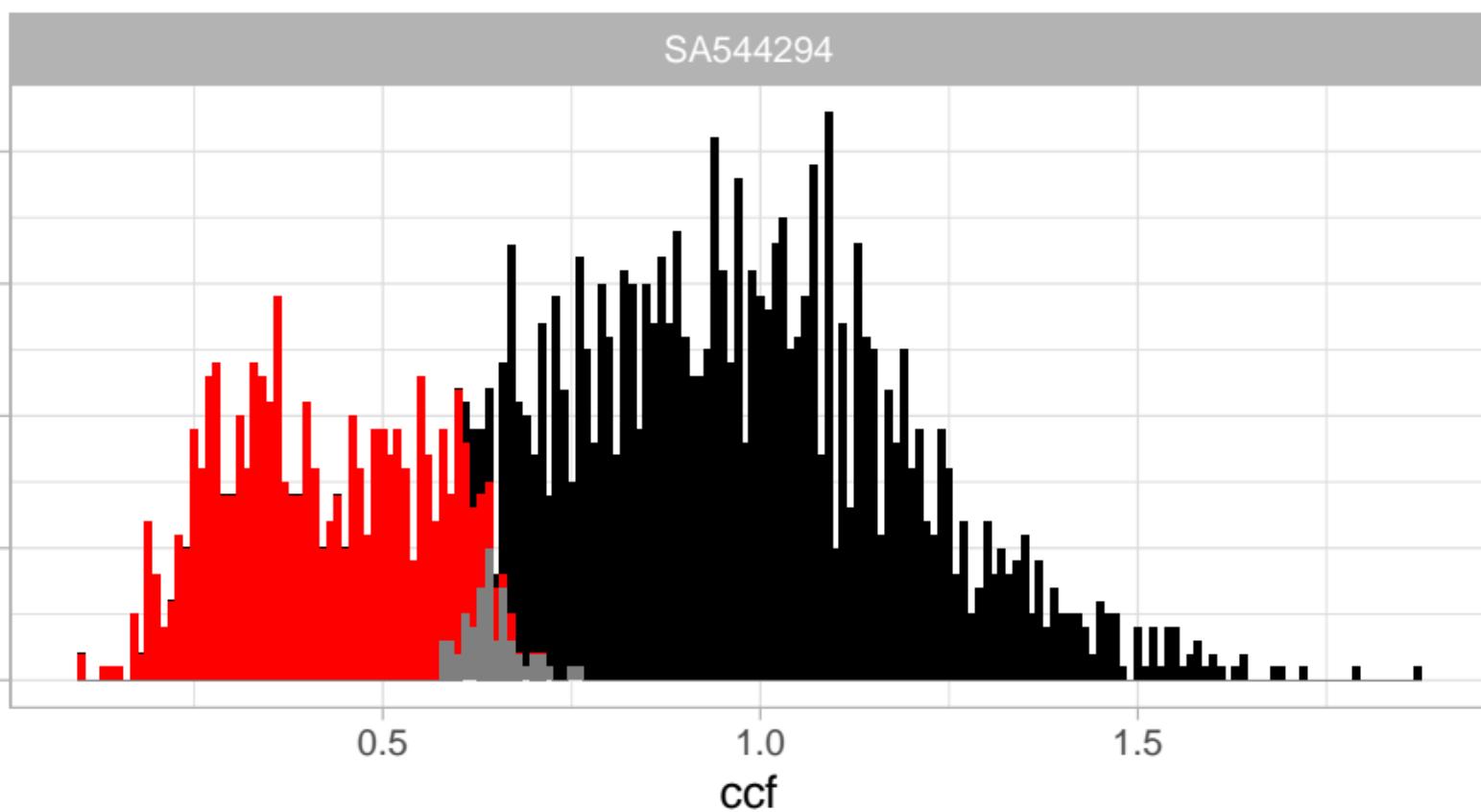
count

40
30
20
10
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA543895

count

60
40
20
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA543105

count

150

100

50

0

0.0

0.5

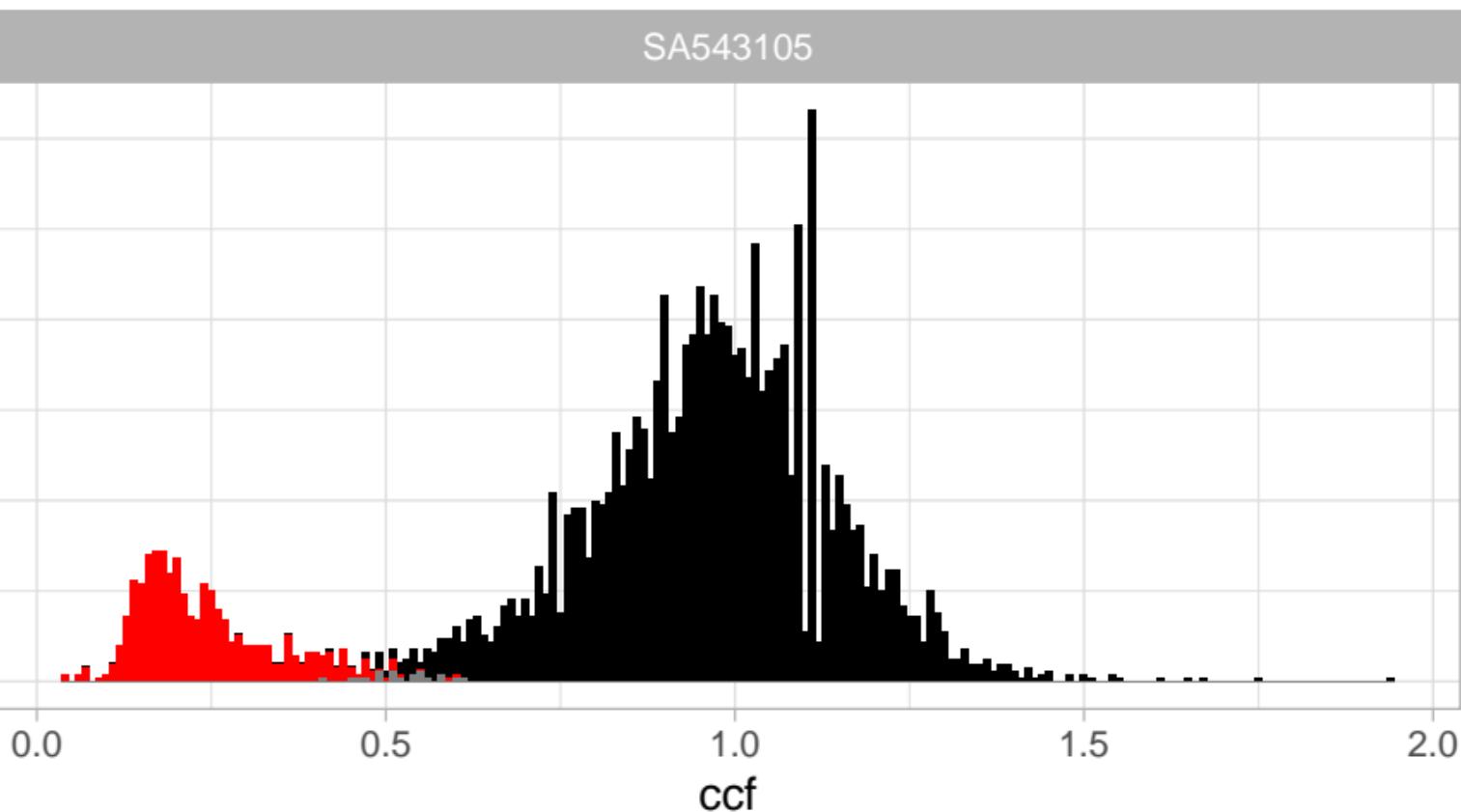
1.0

1.5

2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542425

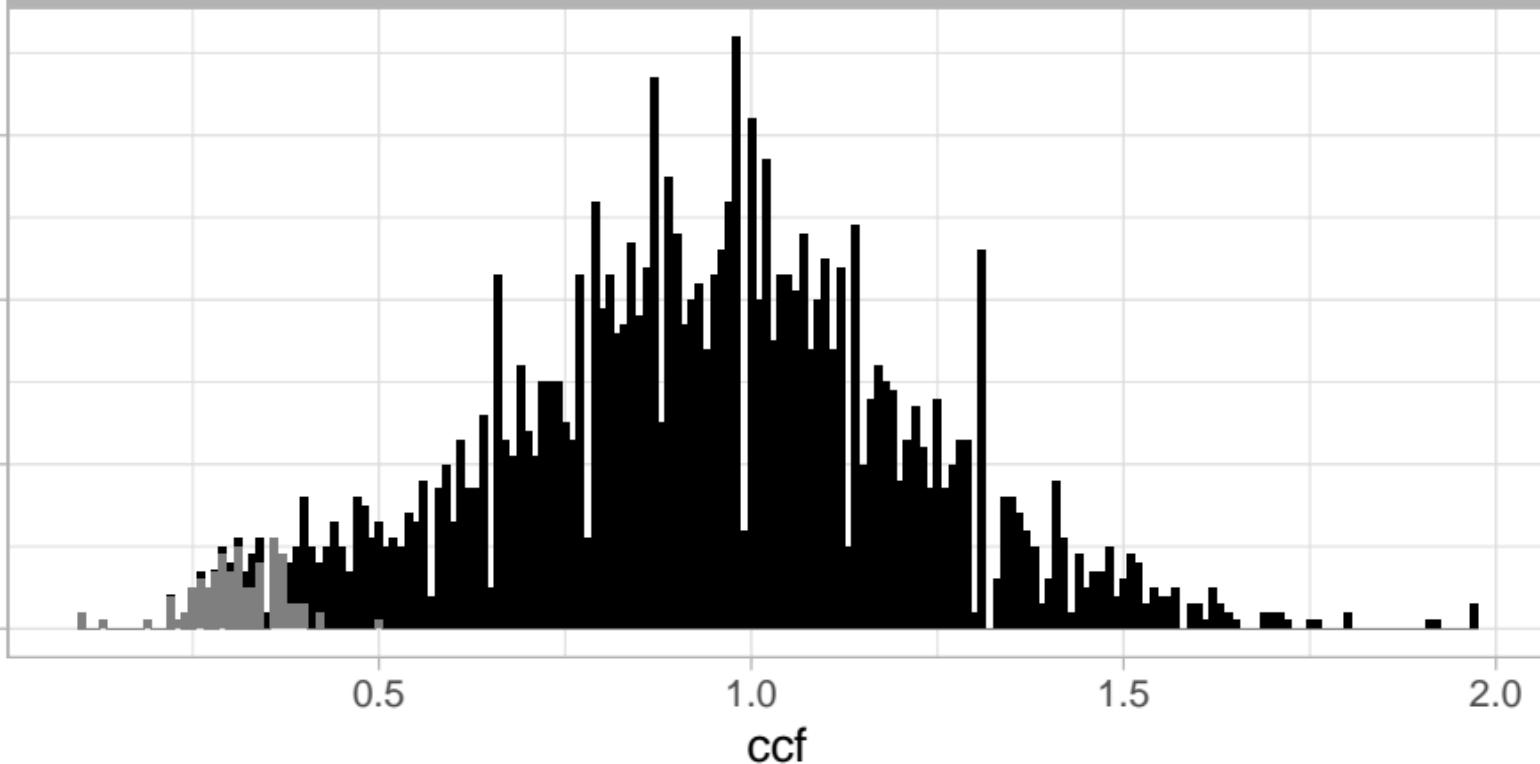
count

60
40
20
0

0.5 1.0 1.5 2.0

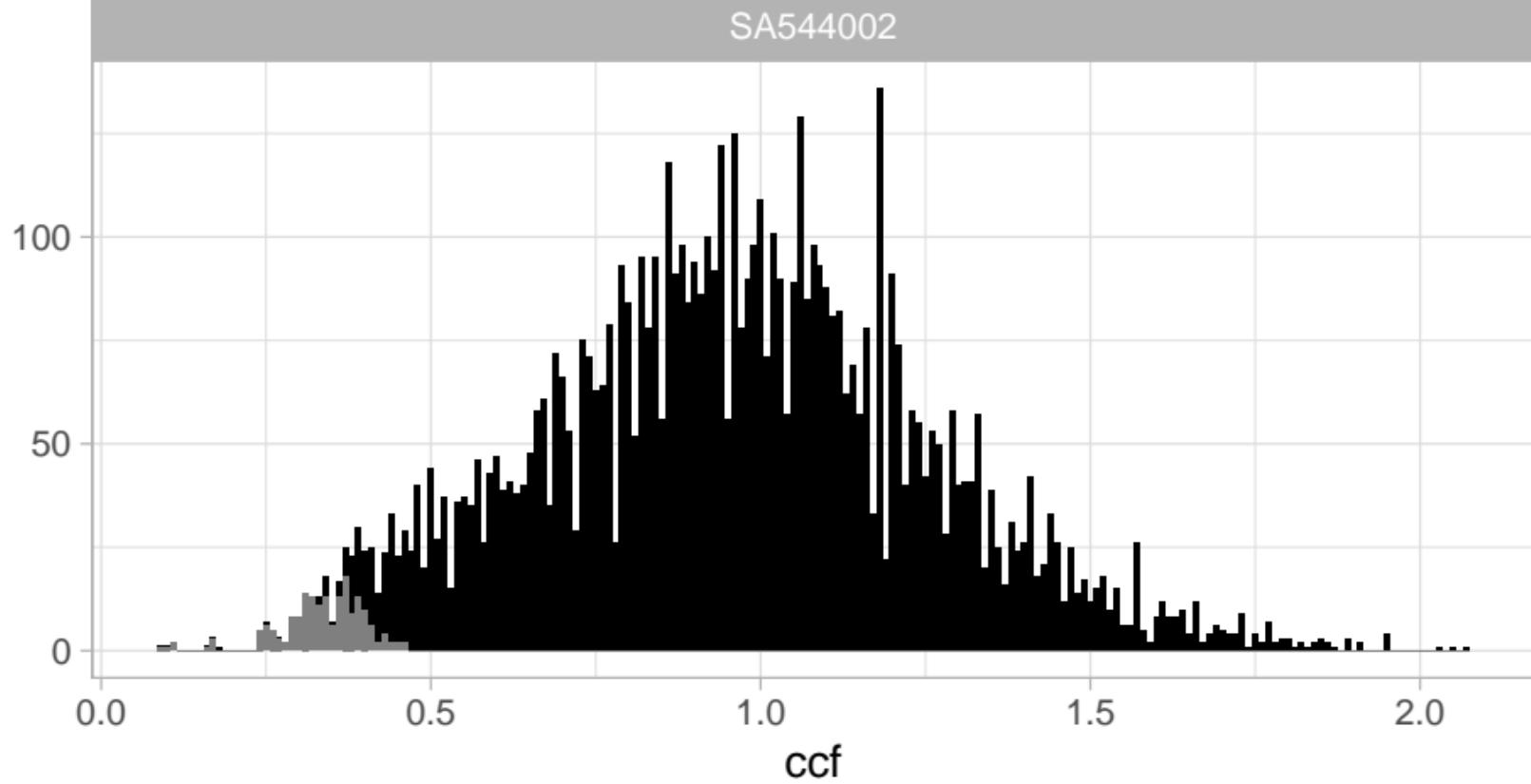
ccf

cluster tail clonal subclonal



SA544002

count



cluster ■ tail ■ clonal ■ subclonal

SA543254

count

30

20

10

0

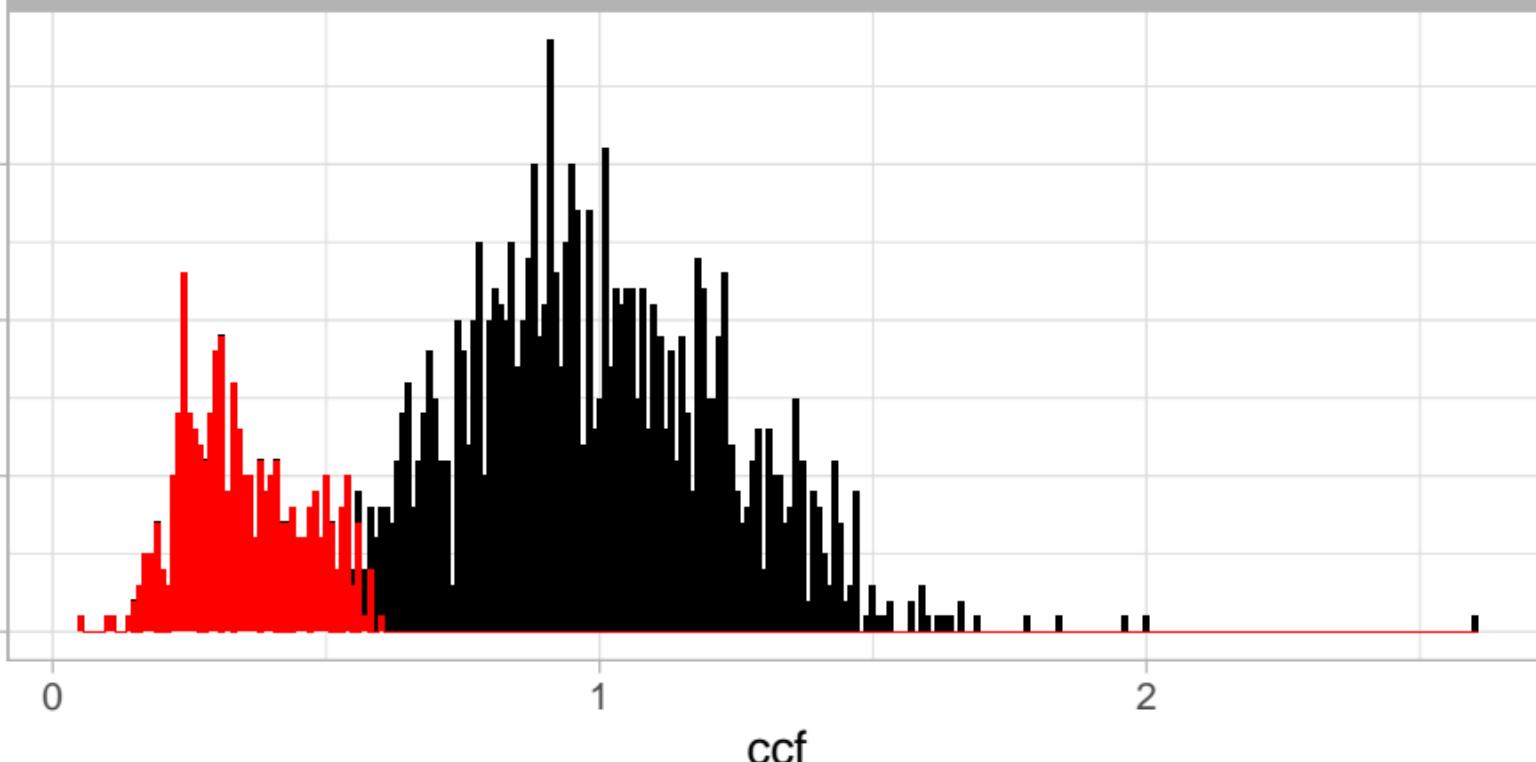
0

1

2

ccf

cluster tail clonal subclonal



SA557034

count

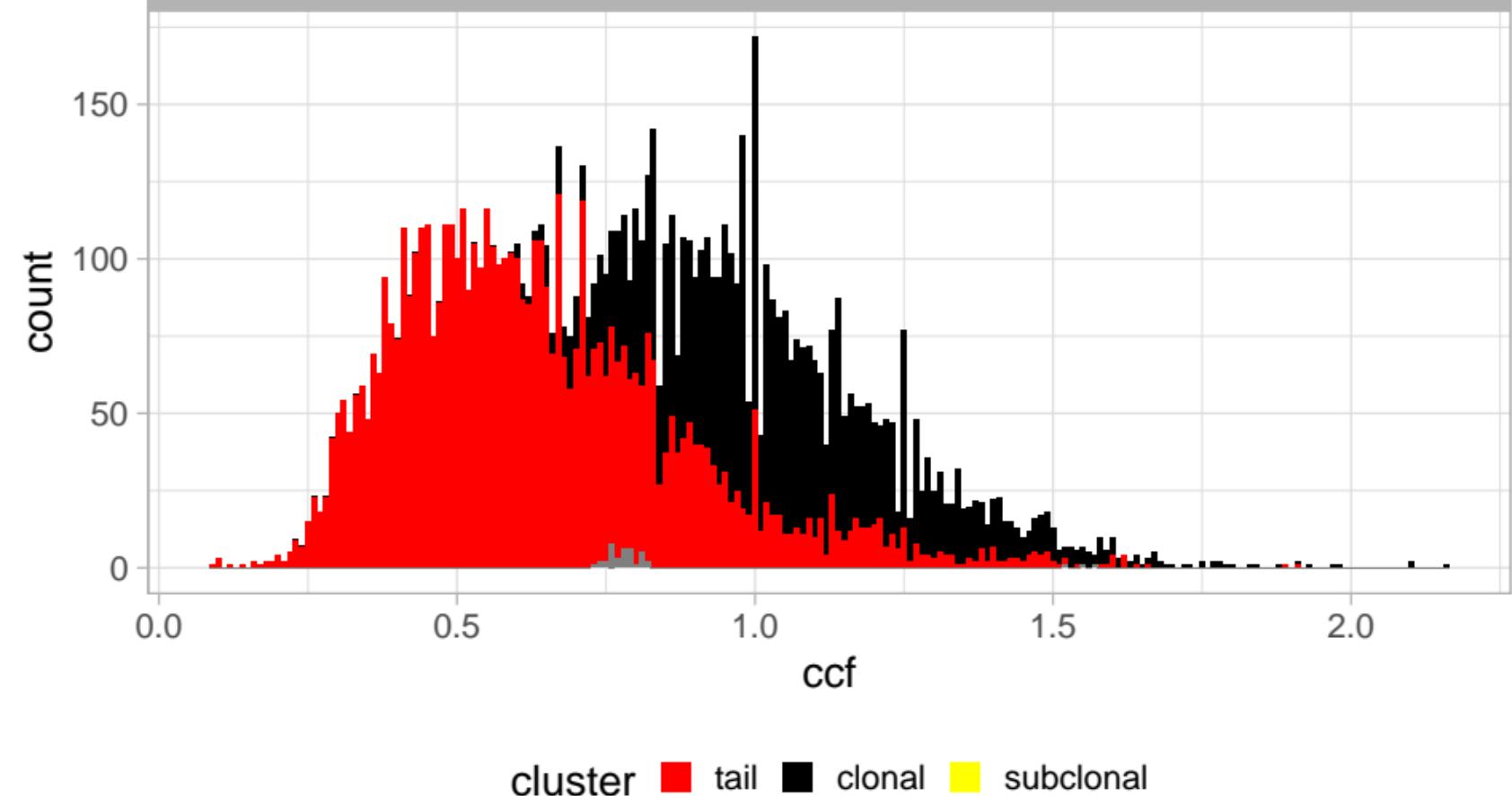
800
600
400
200
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA544029



SA544135

count

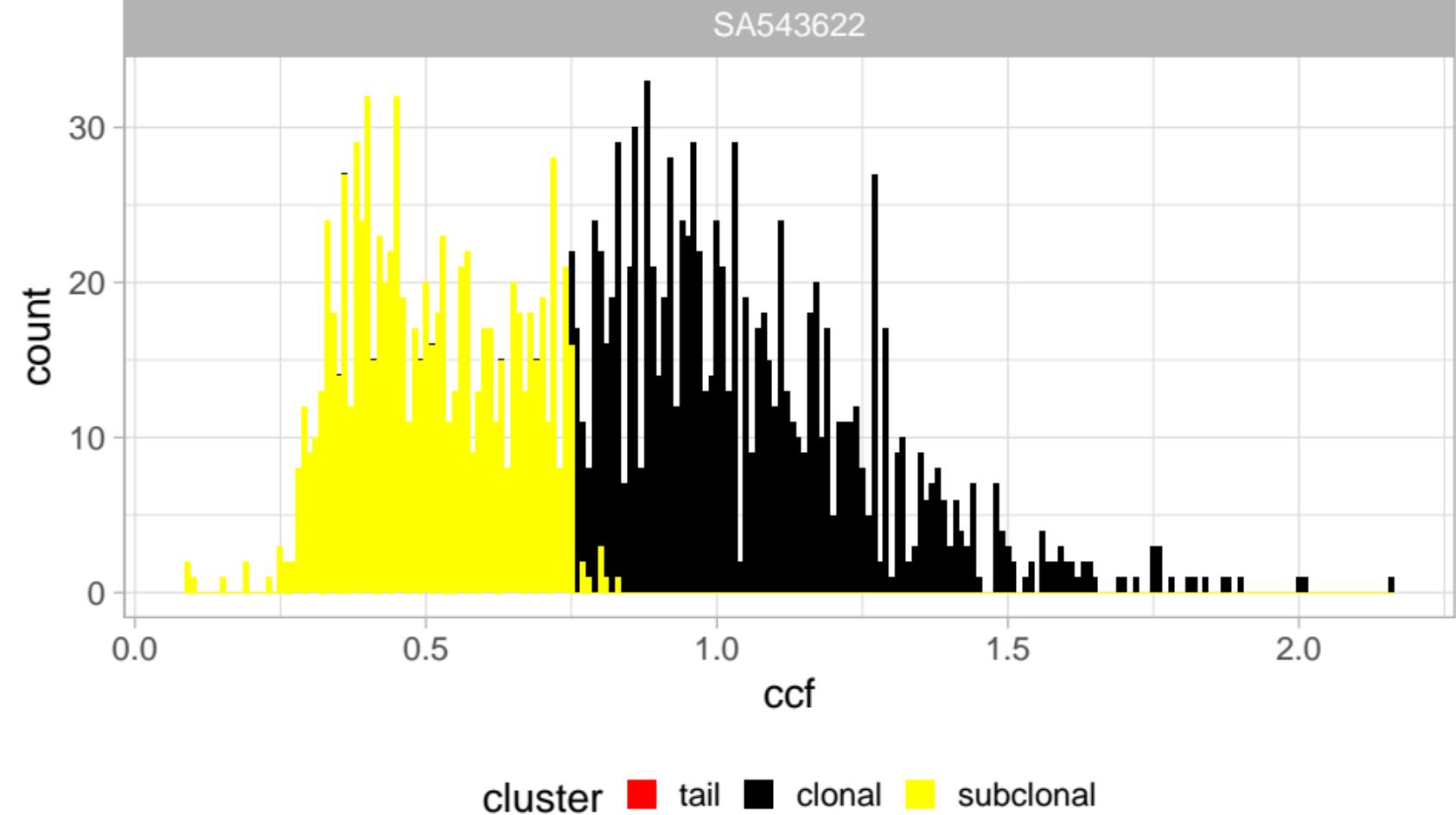
75
50
25
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

SA543622



SA542718

count

60

40

20

0

0.0

0.5

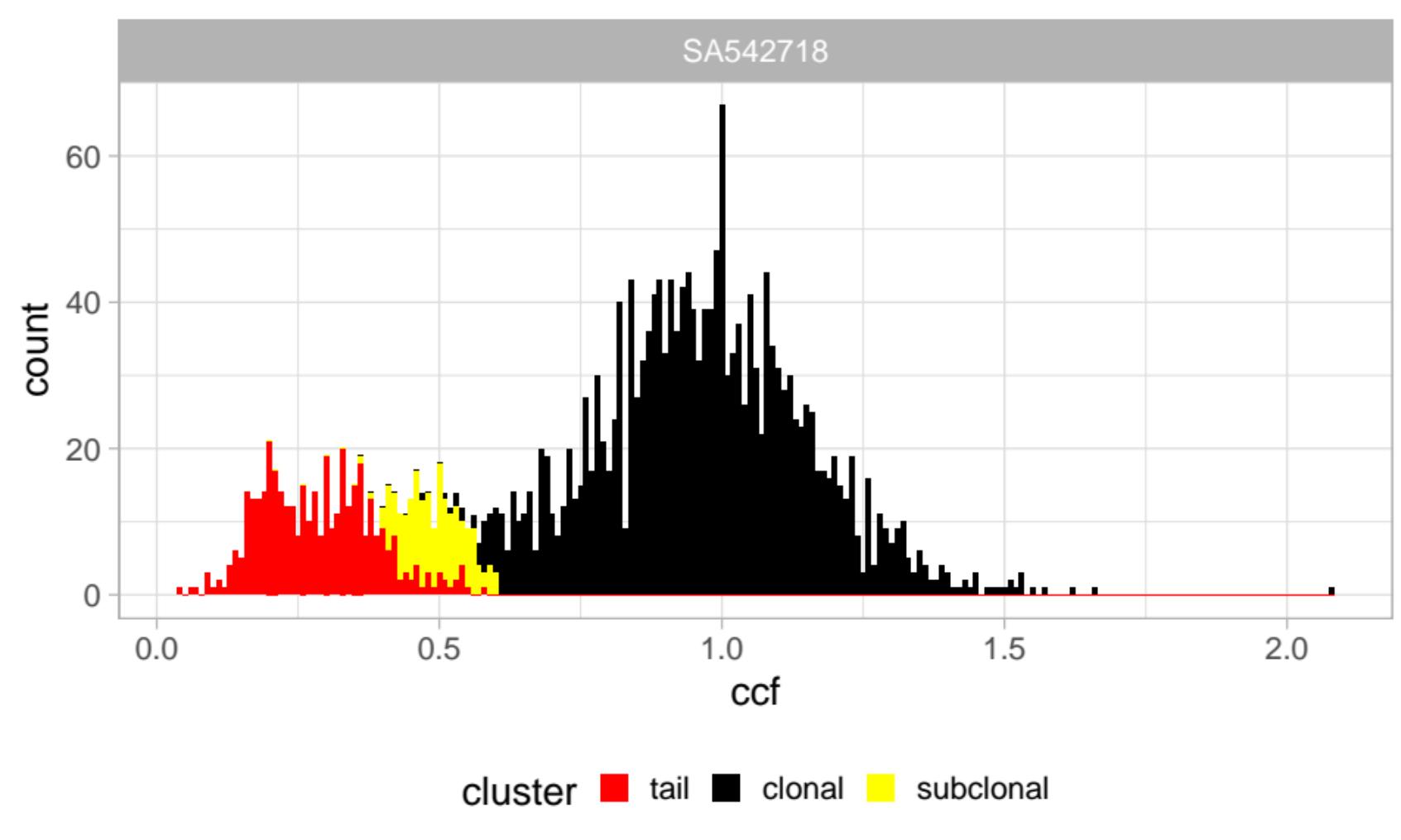
1.0

1.5

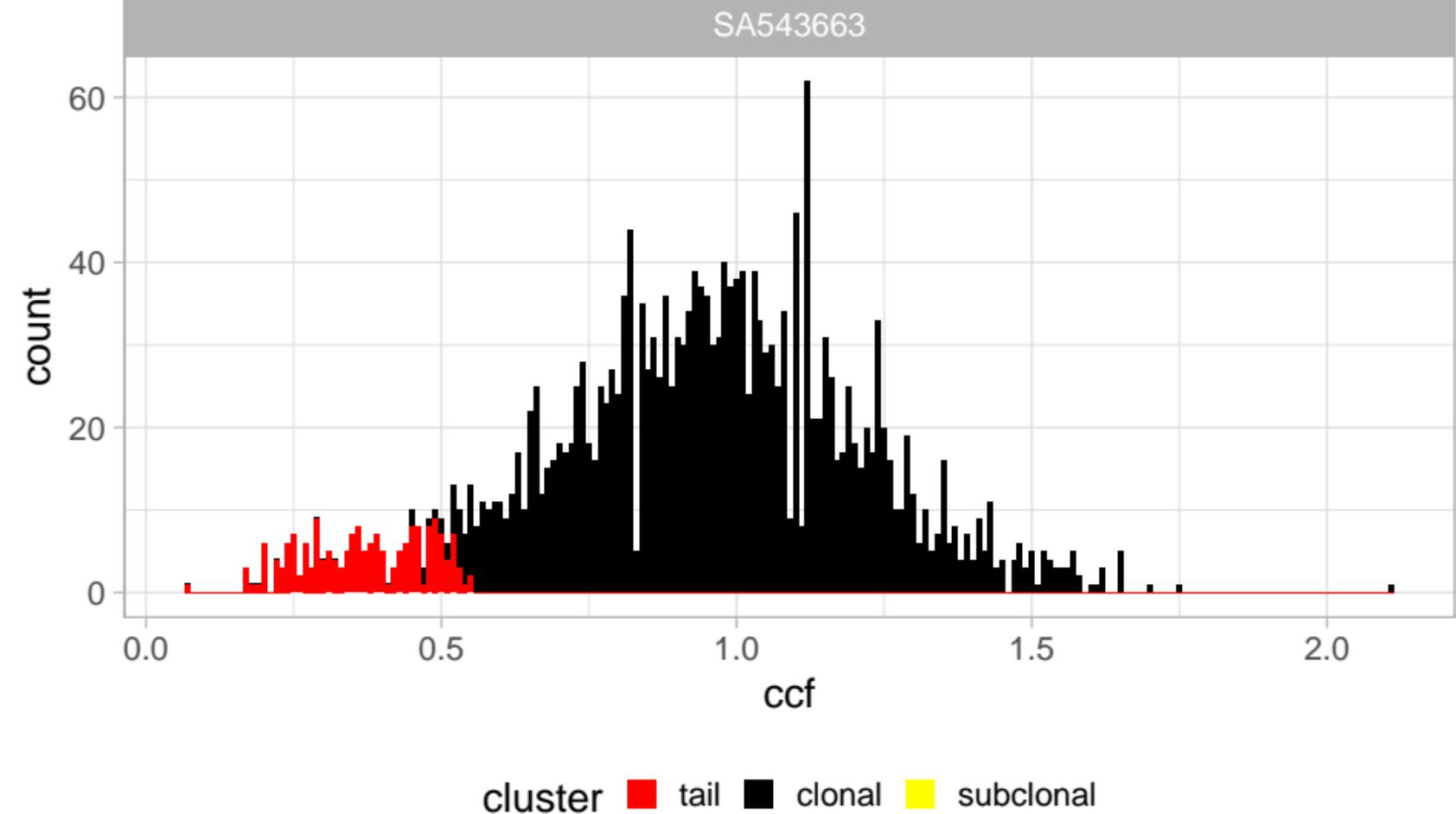
2.0

ccf

cluster tail clonal subclonal



SA543663



cluster ■ tail ■ clonal ■ subclonal

SA543536

count

30

20

10

0

0.0

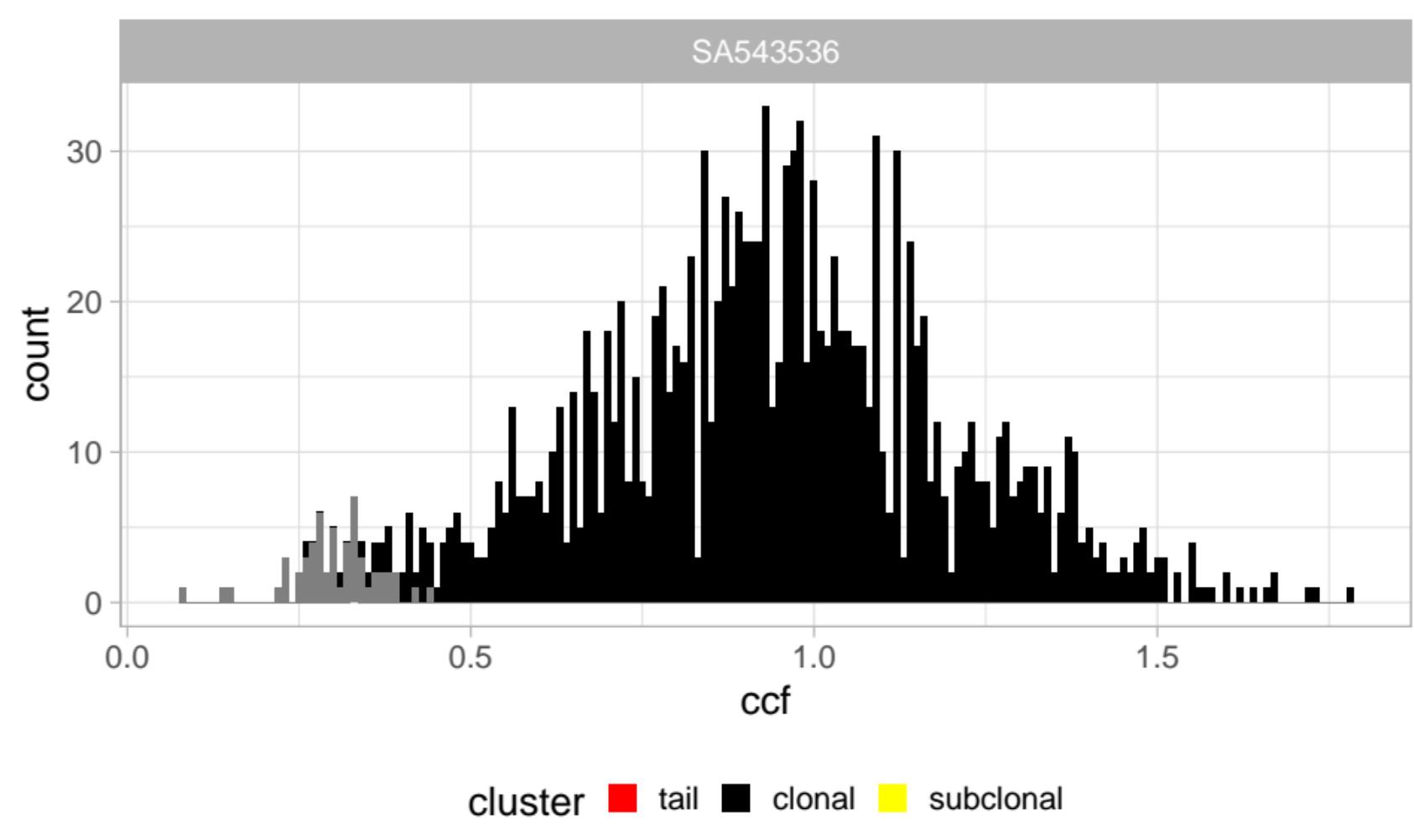
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA542938

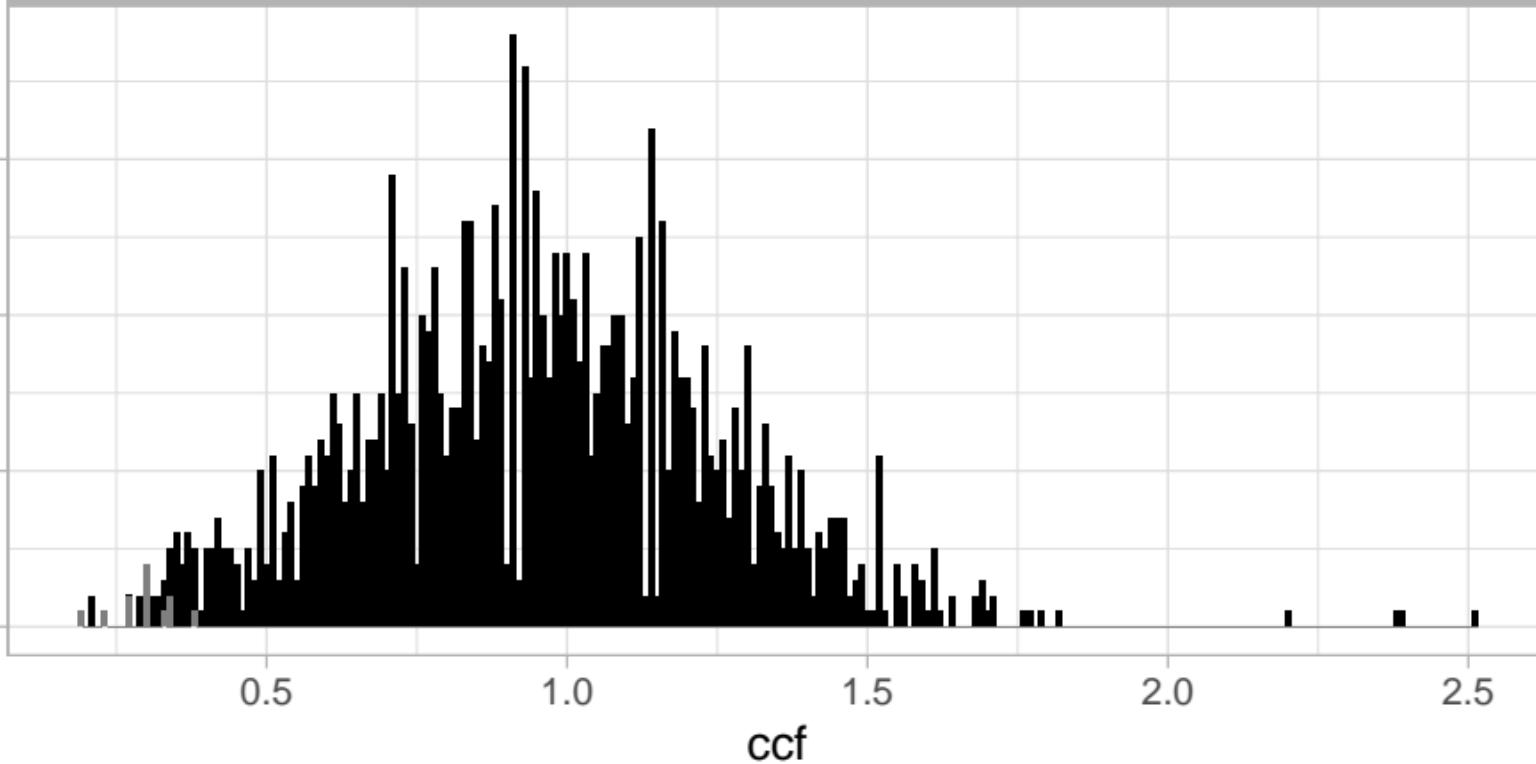
count

30
20
10
0

0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA542448

count

40
30
20
10
0

0 1 2 3 4

ccf

cluster tail clonal subclonal

SA542683

count

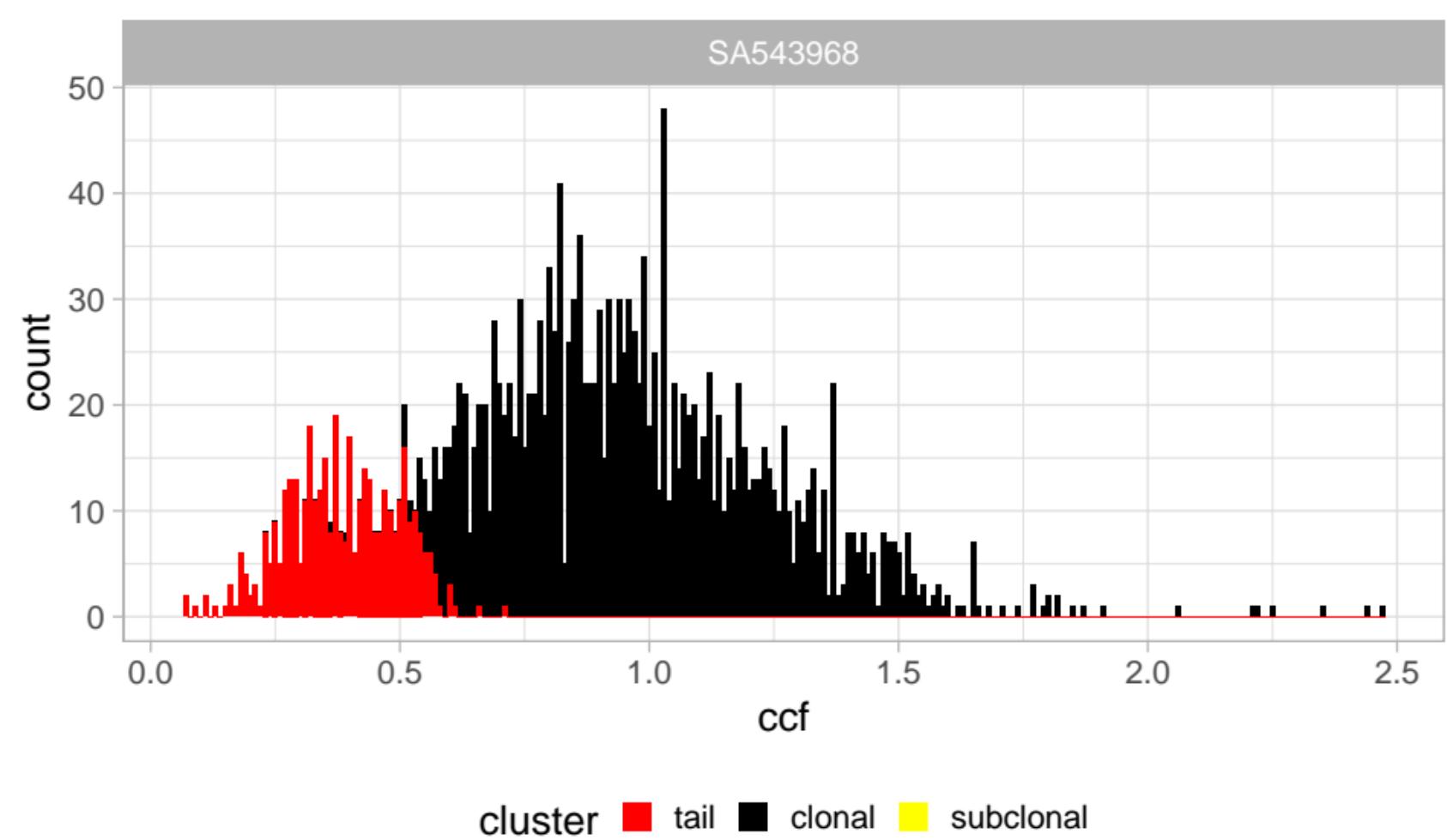
60
40
20
0

0.0 0.5 1.0 1.5 2.0

ccf

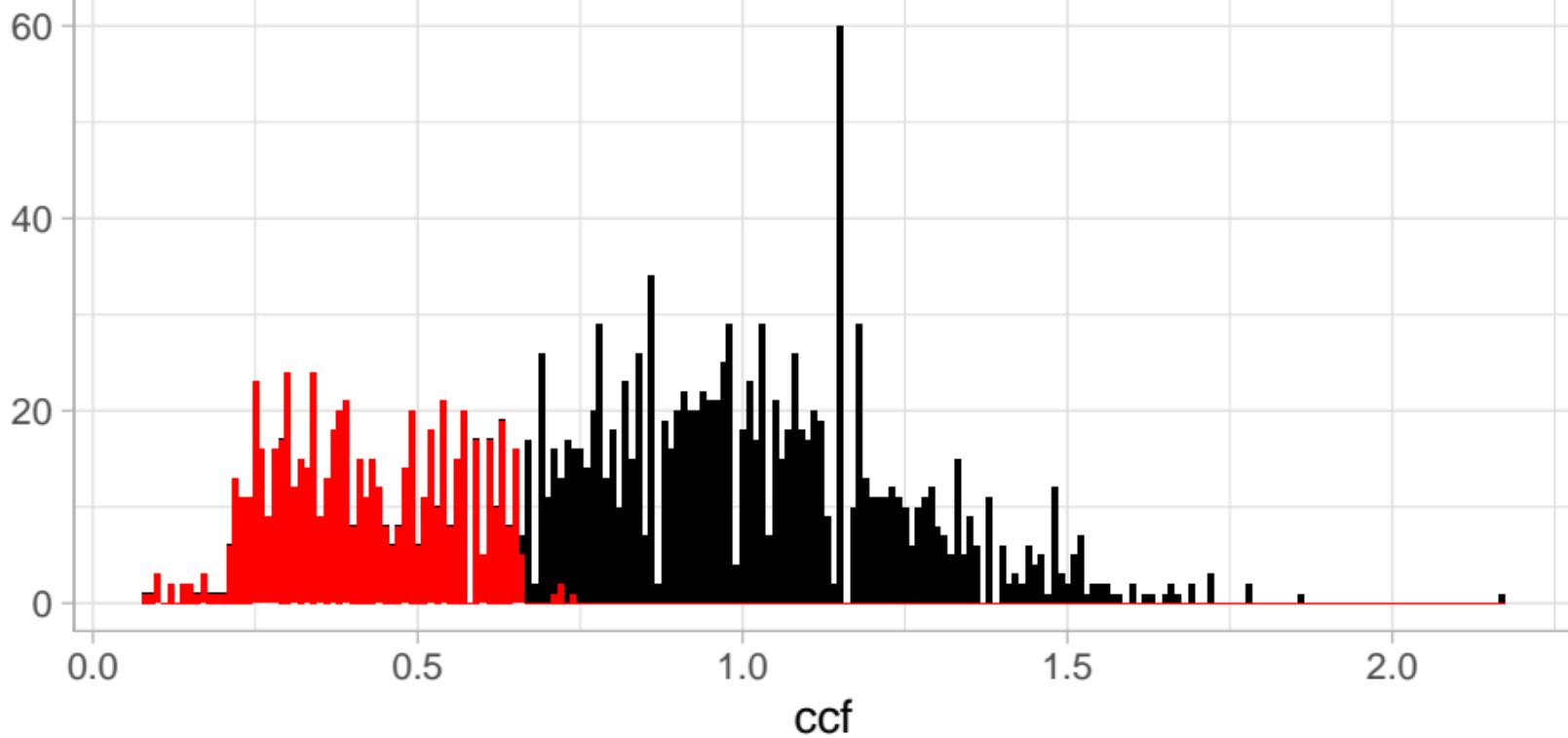
cluster tail clonal subclonal

SA543968



SA543681

count



cluster ■ tail ■ clonal ■ subclonal

SA543789

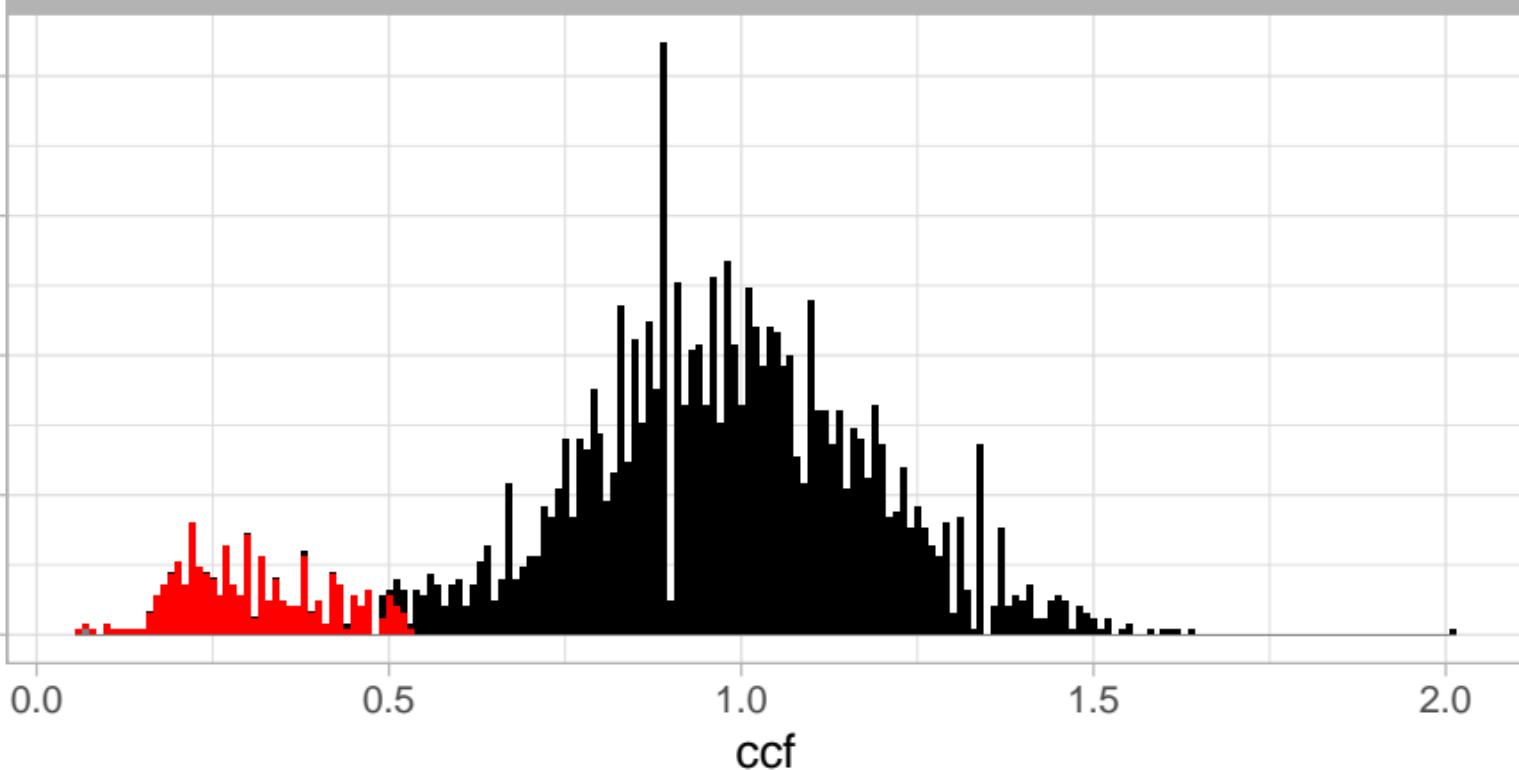
count

100
75
50
25
0

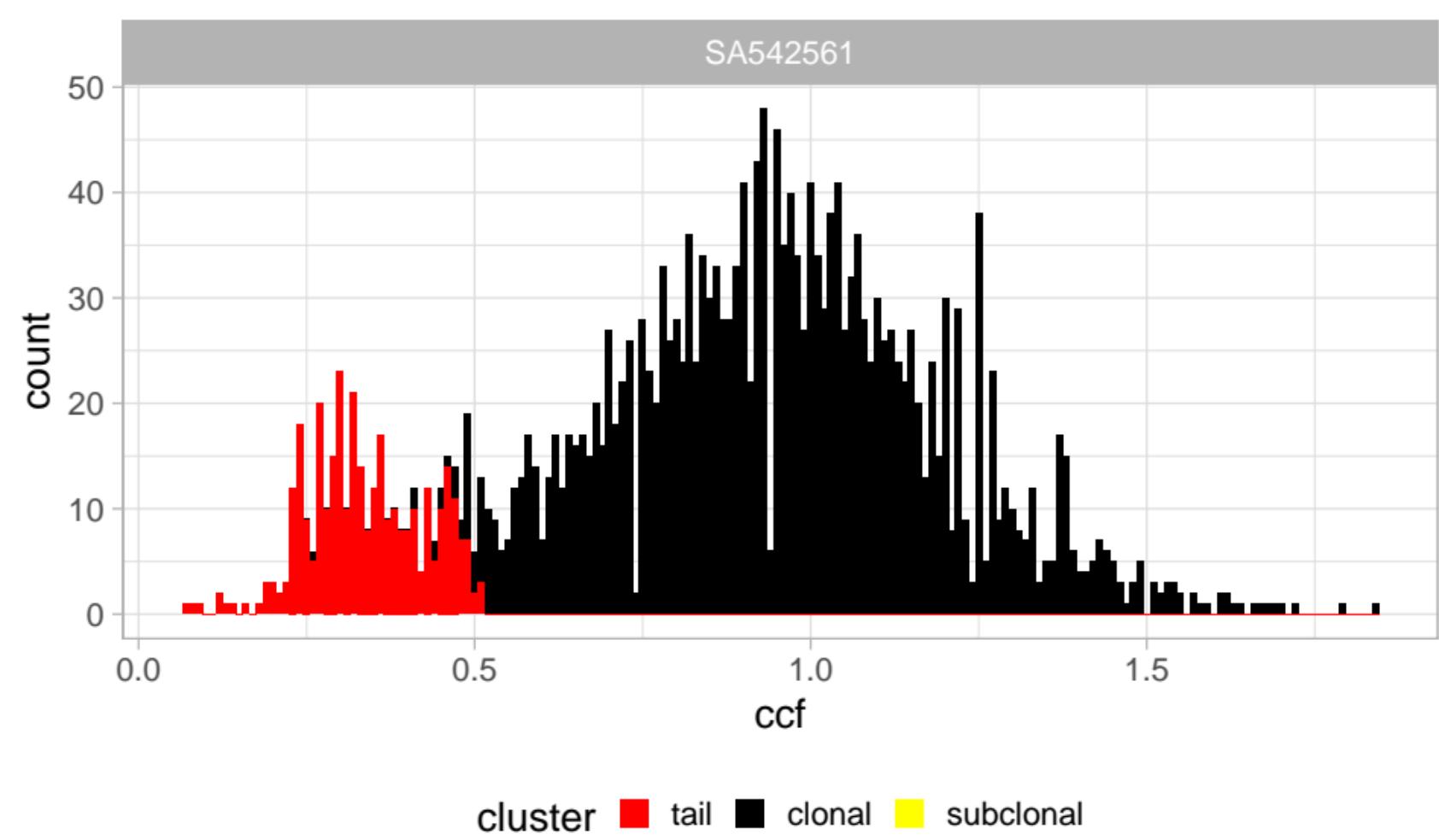
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542561



SA557046

count

150

100

50

0

0.0

0.5

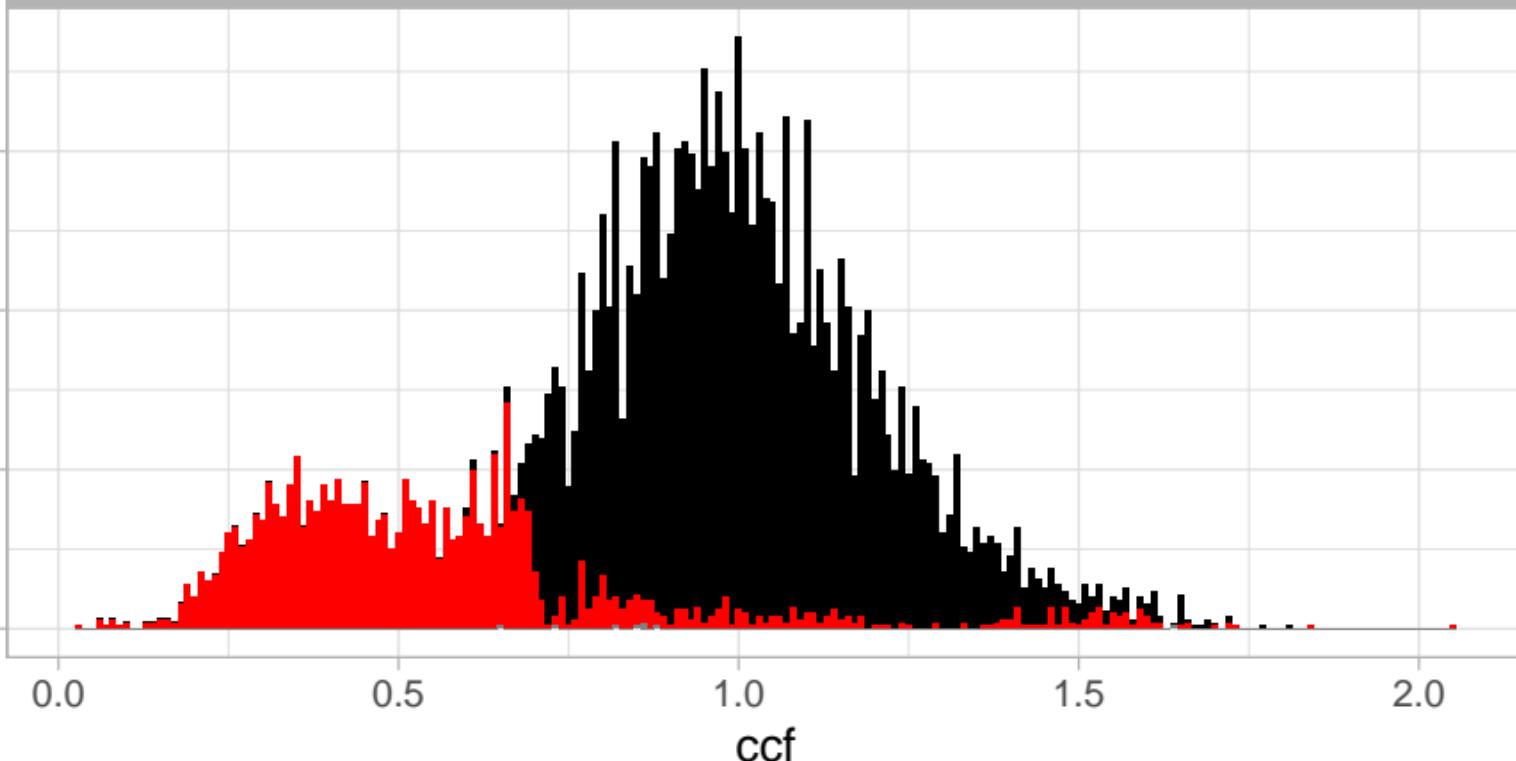
1.0

1.5

2.0

ccf

cluster tail clonal subclonal



SA541990

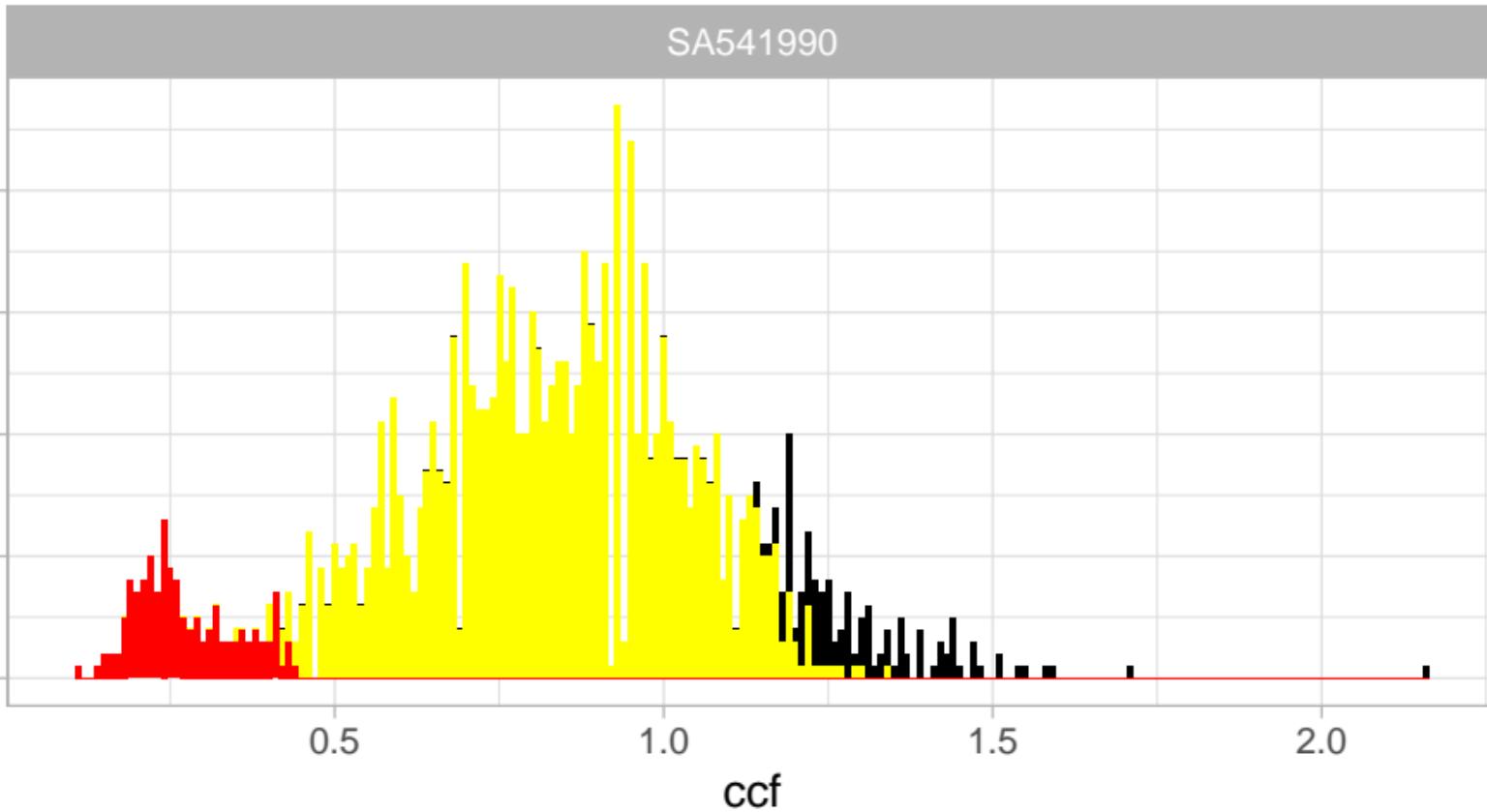
count

40
30
20
10
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA541992

count

20

15

10

5

0

0.0

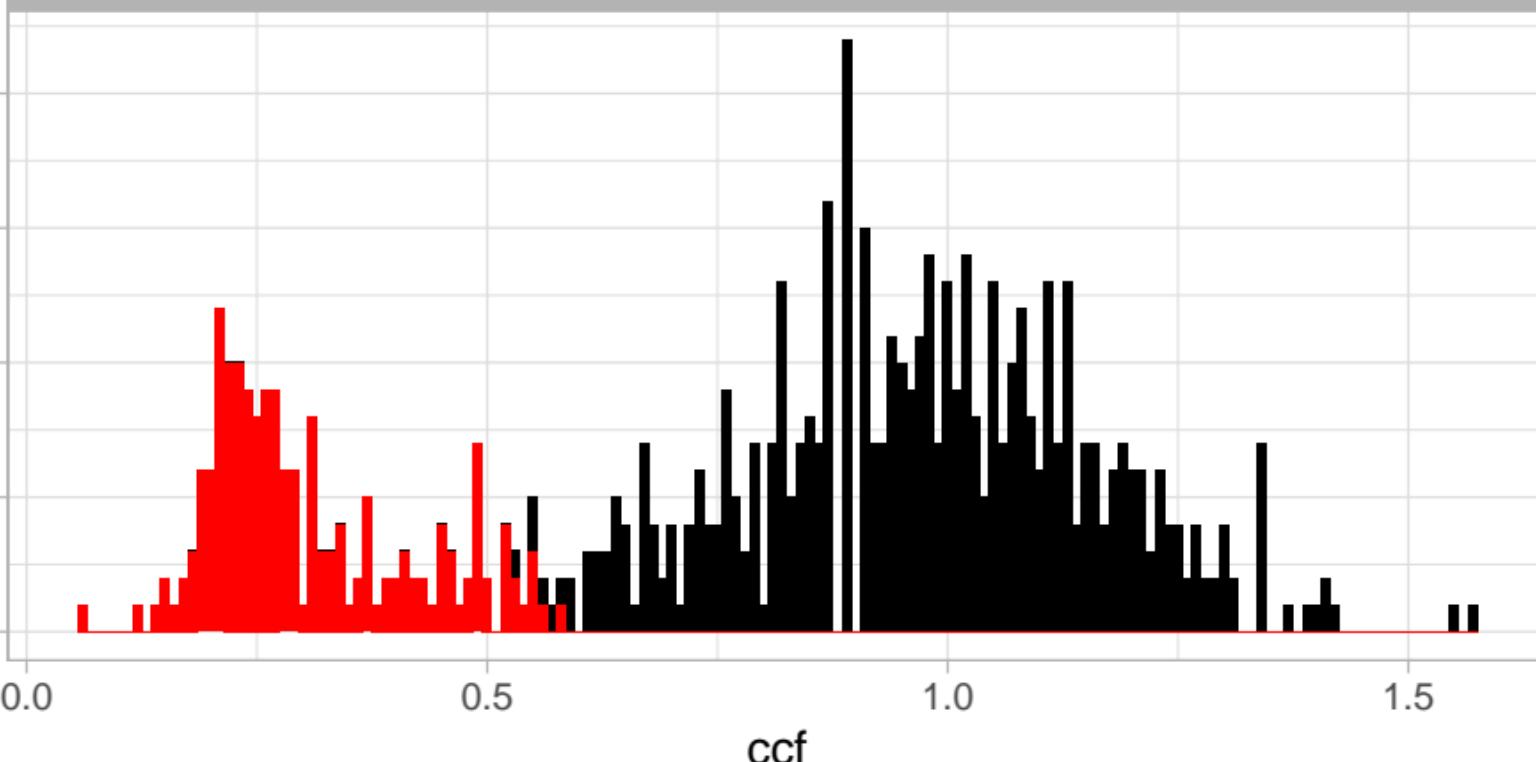
0.5

1.0

1.5

ccf

cluster tail clonal subclonal



SA541996

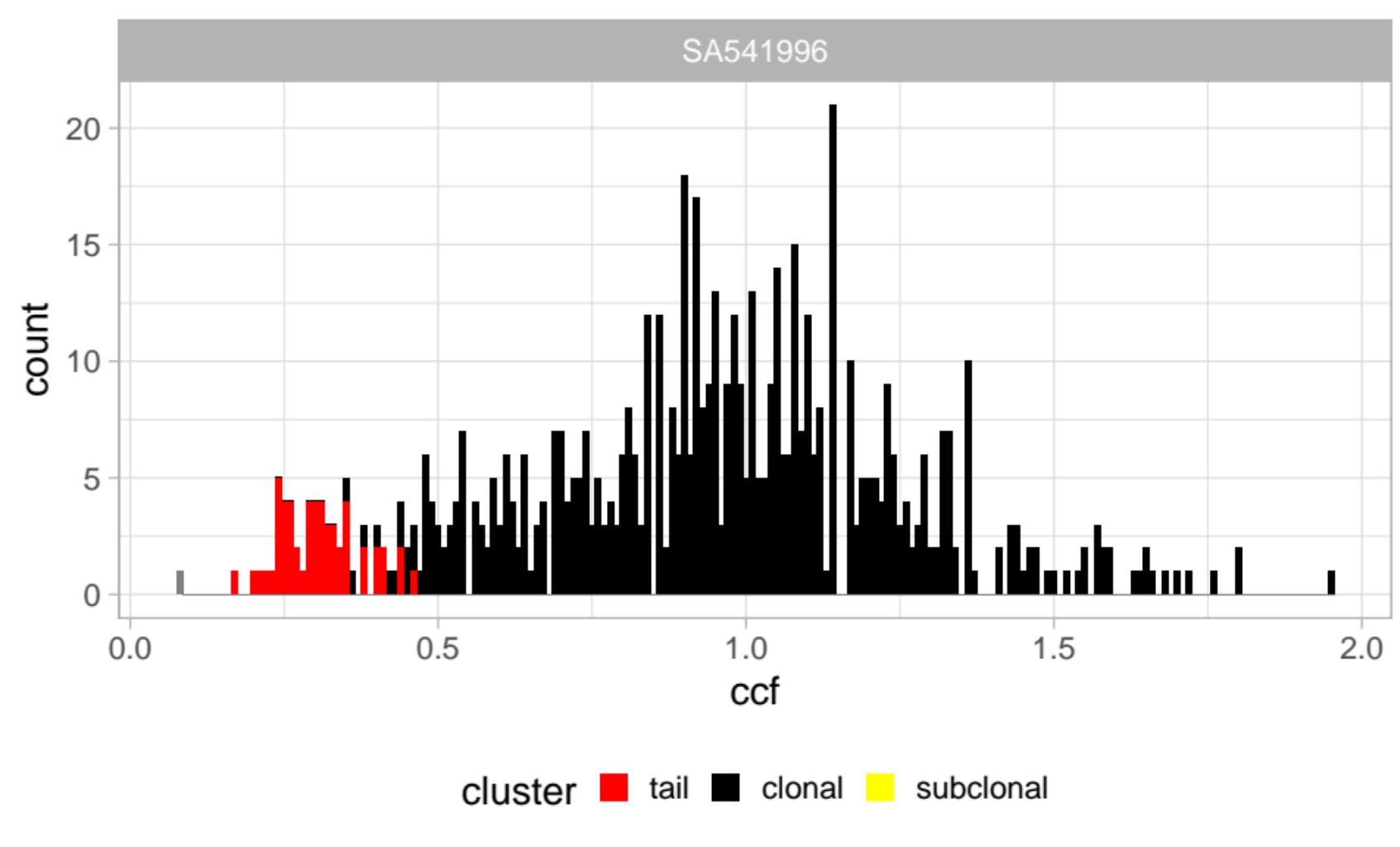
count

20
15
10
5
0

0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542002

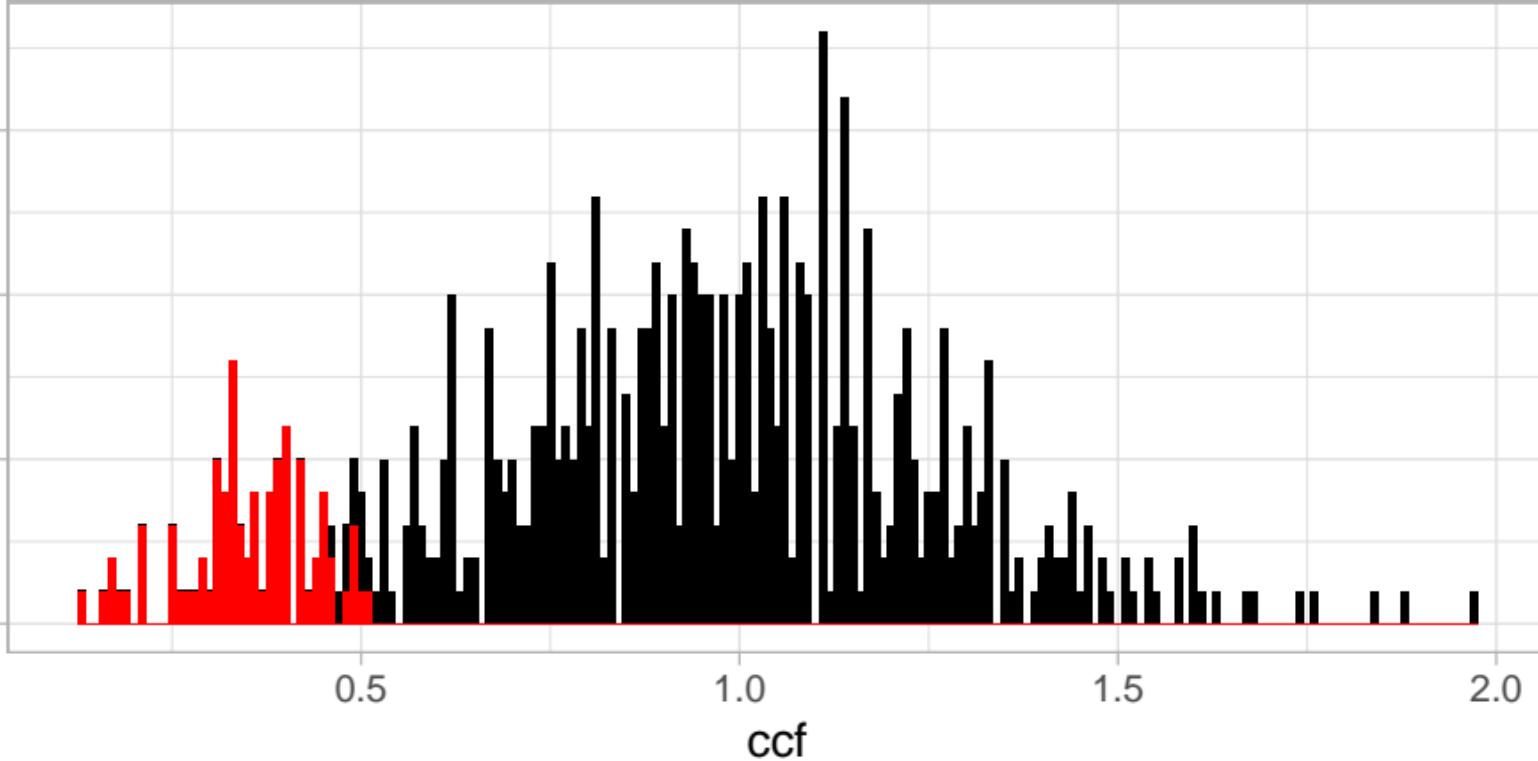
count

15
10
5
0

0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal



SA542008

count

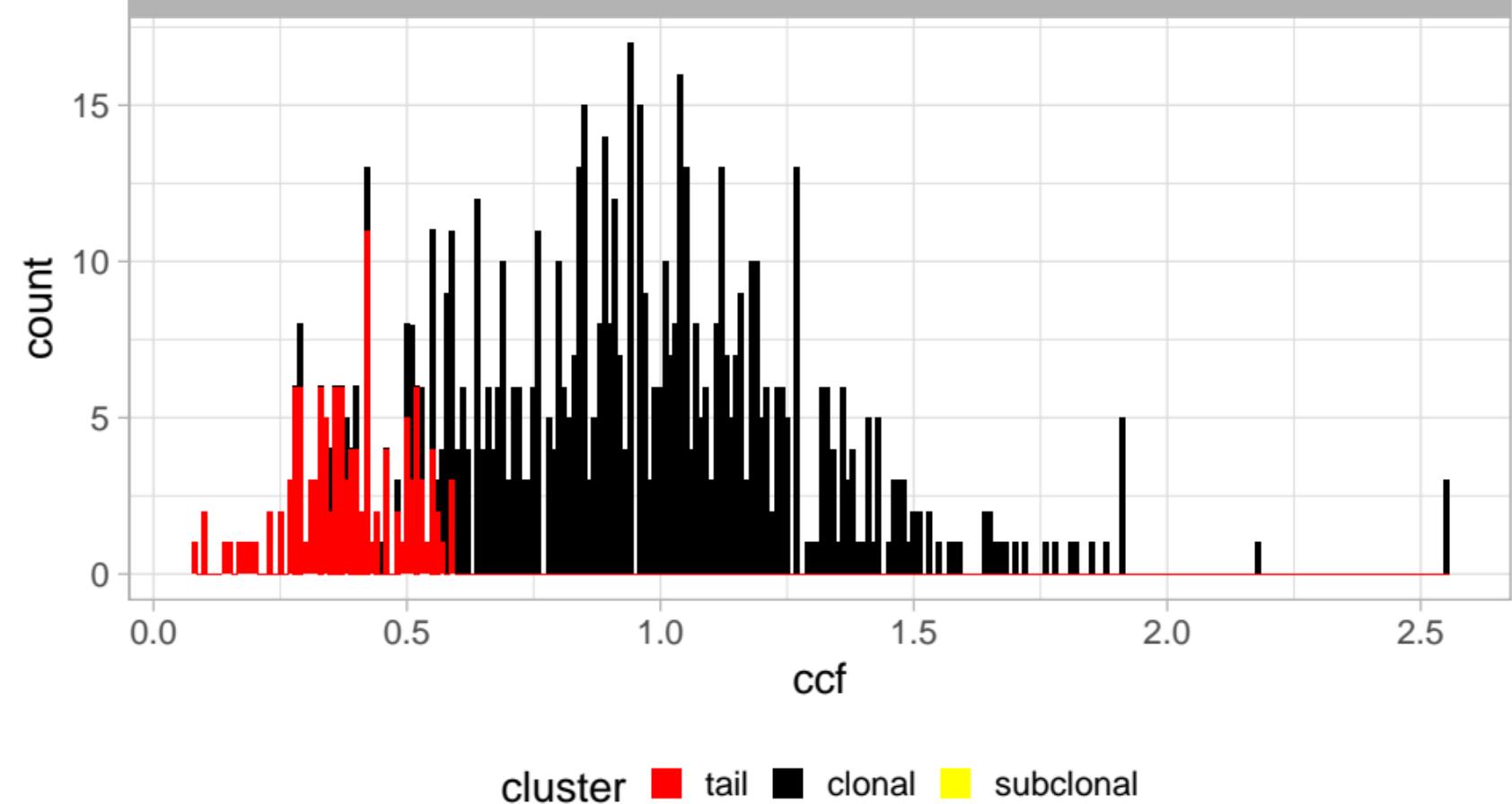
30
20
10
0

0 1 2

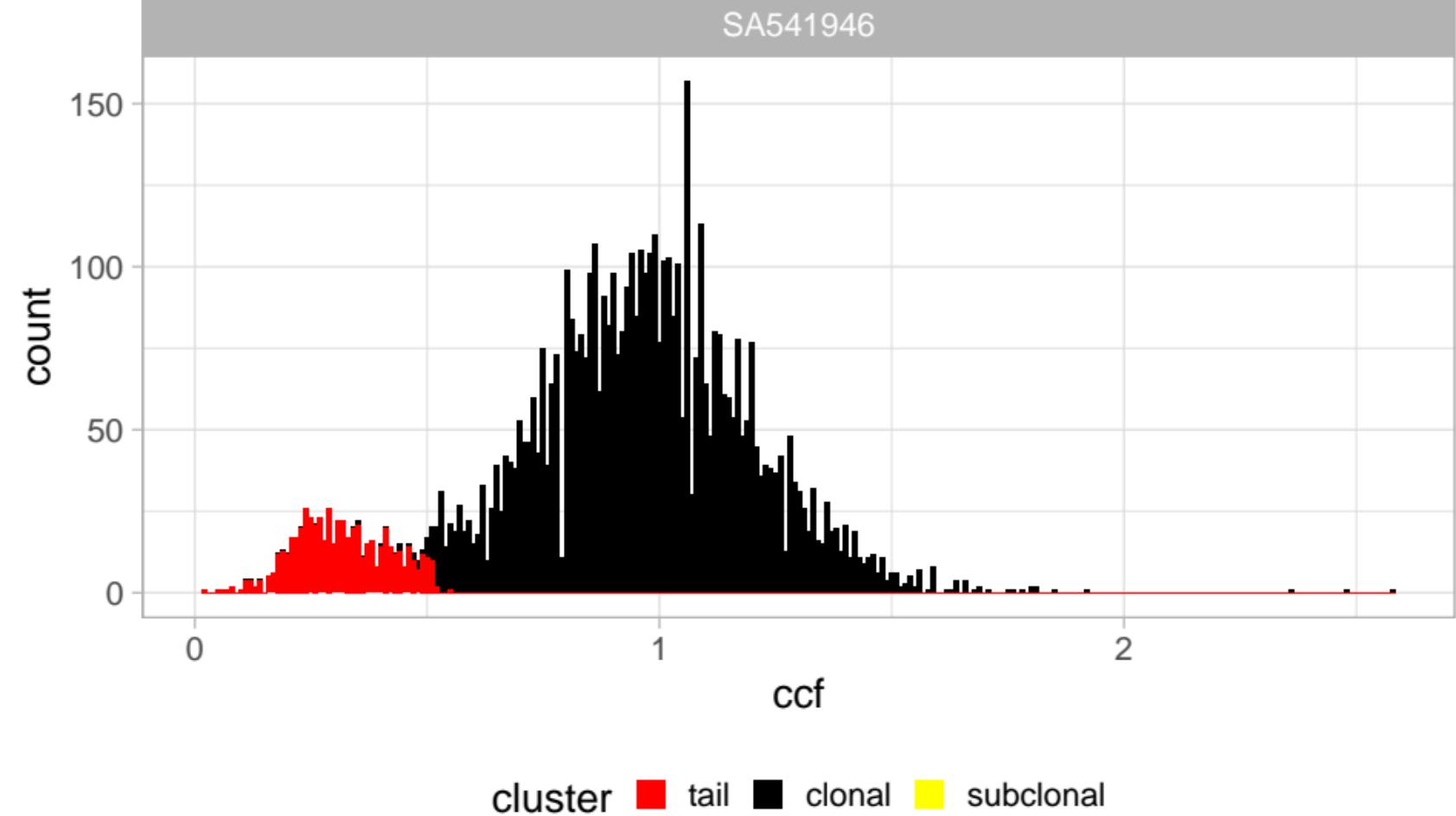
ccf

cluster tail clonal subclonal

SA542010

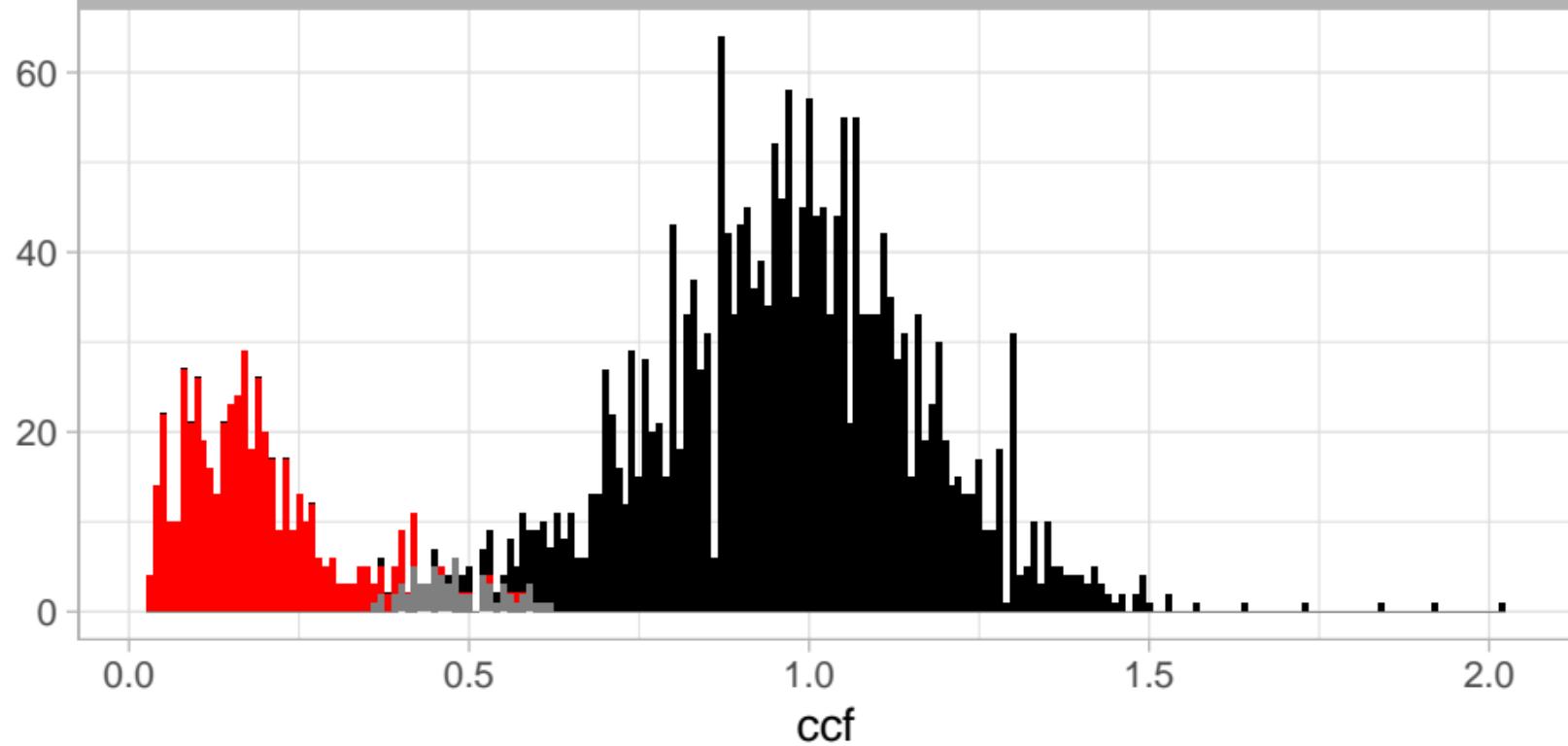


SA541946



SA541948

count



cluster ■ tail ■ clonal ■ subclonal

SA541976

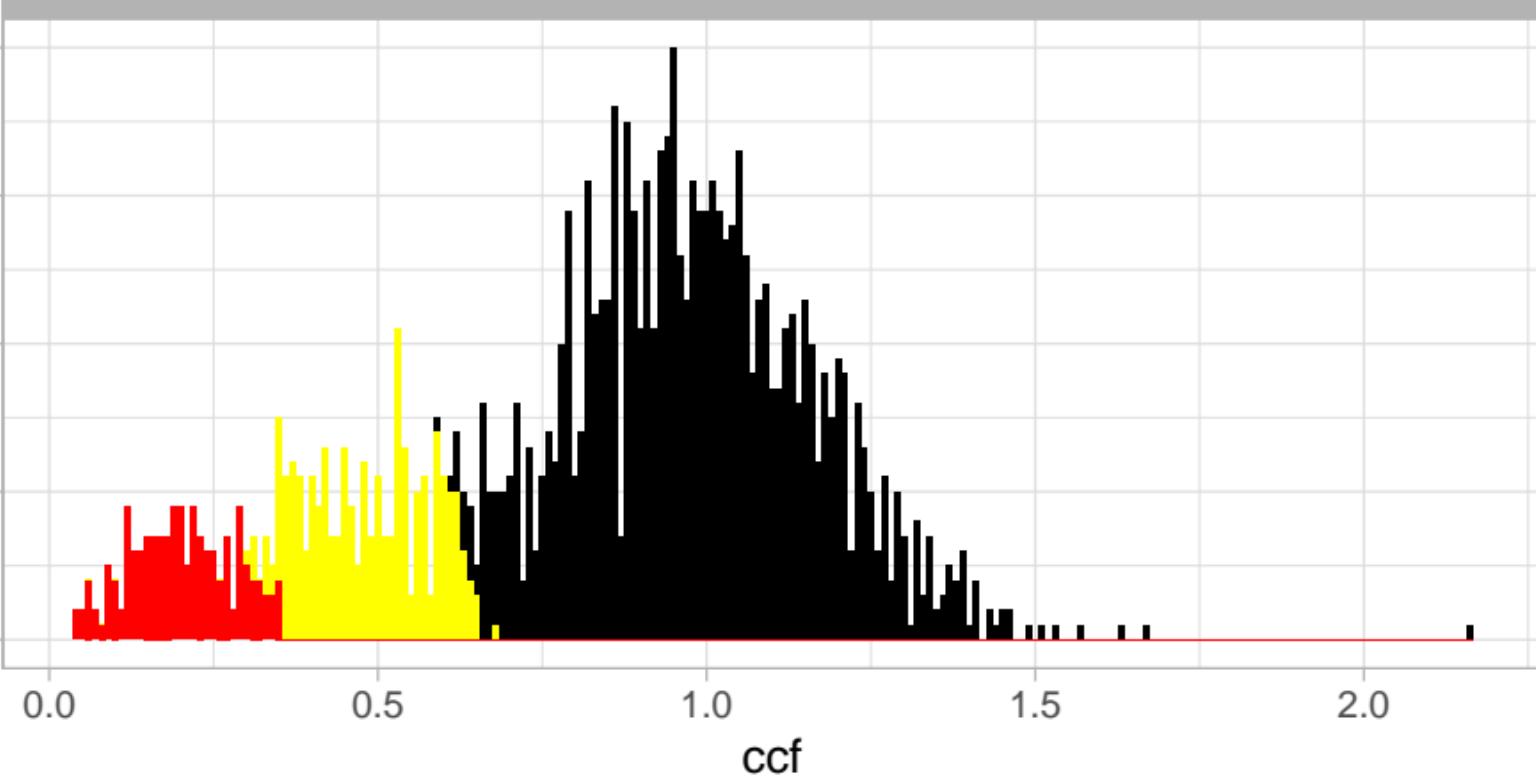
count

40
30
20
10
0

0.0 0.5 1.0 1.5 2.0

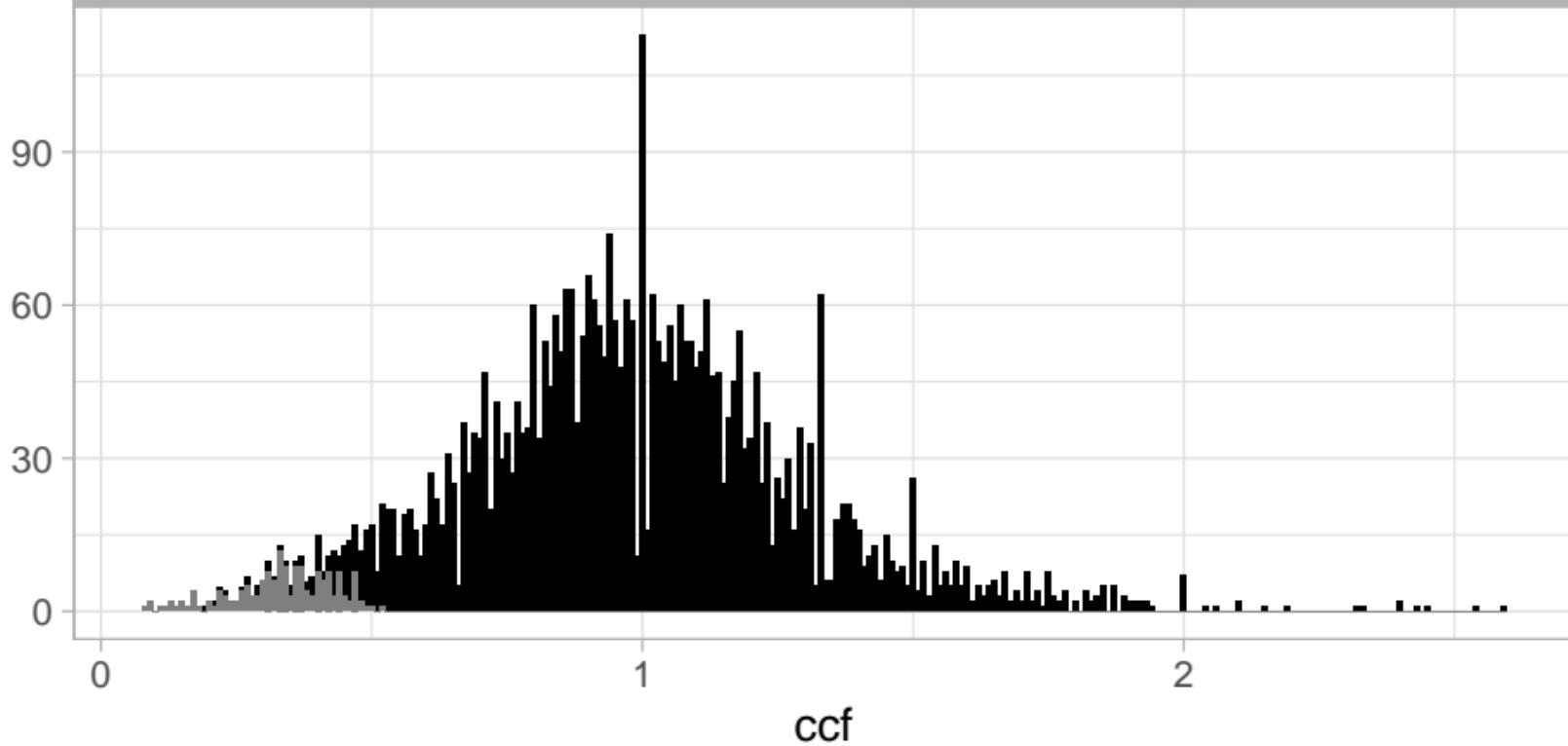
ccf

cluster ■ tail ■ clonal ■ subclonal



SA541984

count



cluster ■ tail ■ clonal ■ subclonal

SA541952

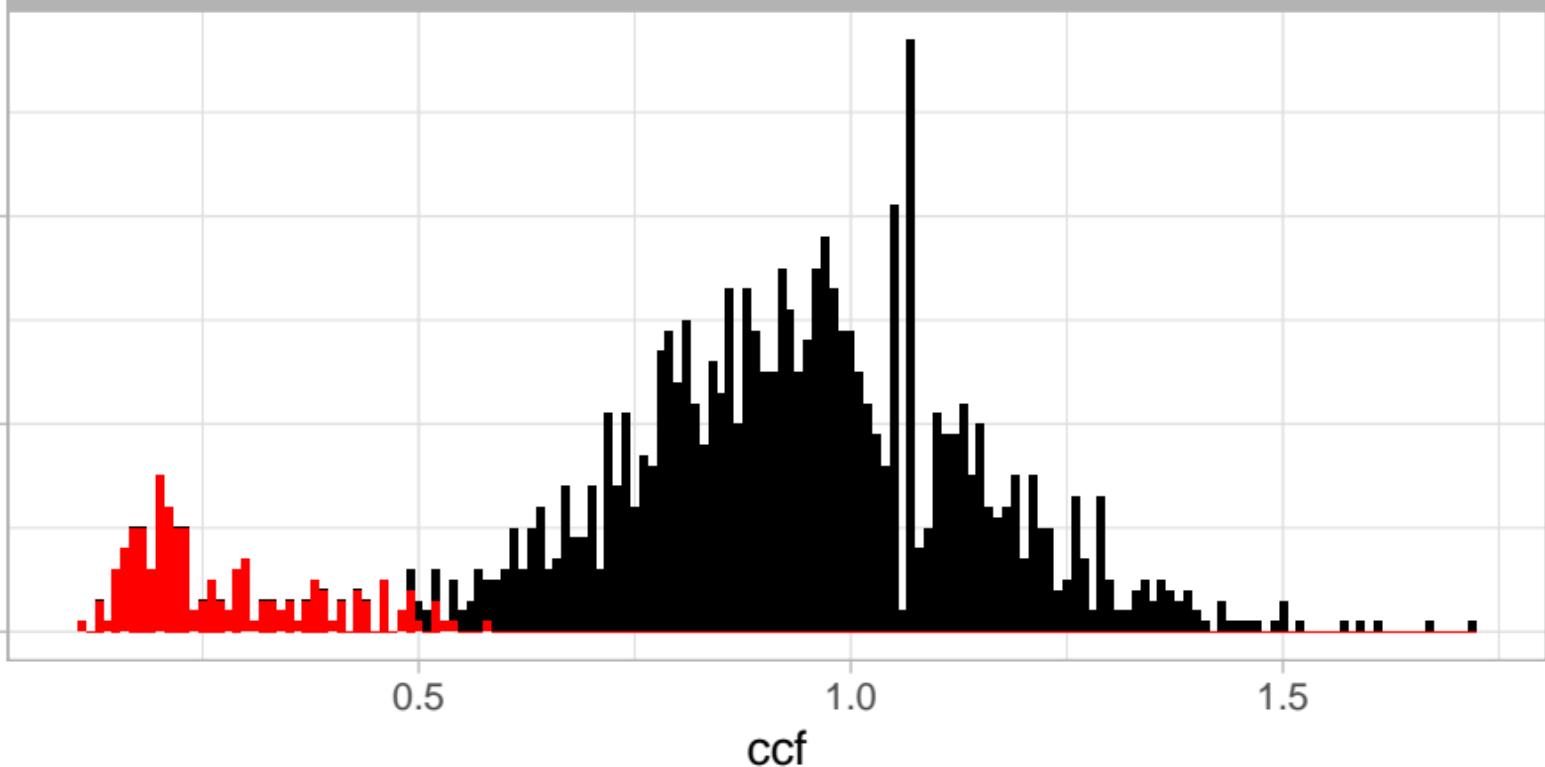
count

40
20
0

0.5 1.0 1.5

ccf

cluster tail clonal subclonal



SA541980

count

8
6
4
2
0

0.0 1.0 1.5

ccf

cluster tail clonal subclonal

SA541982

count

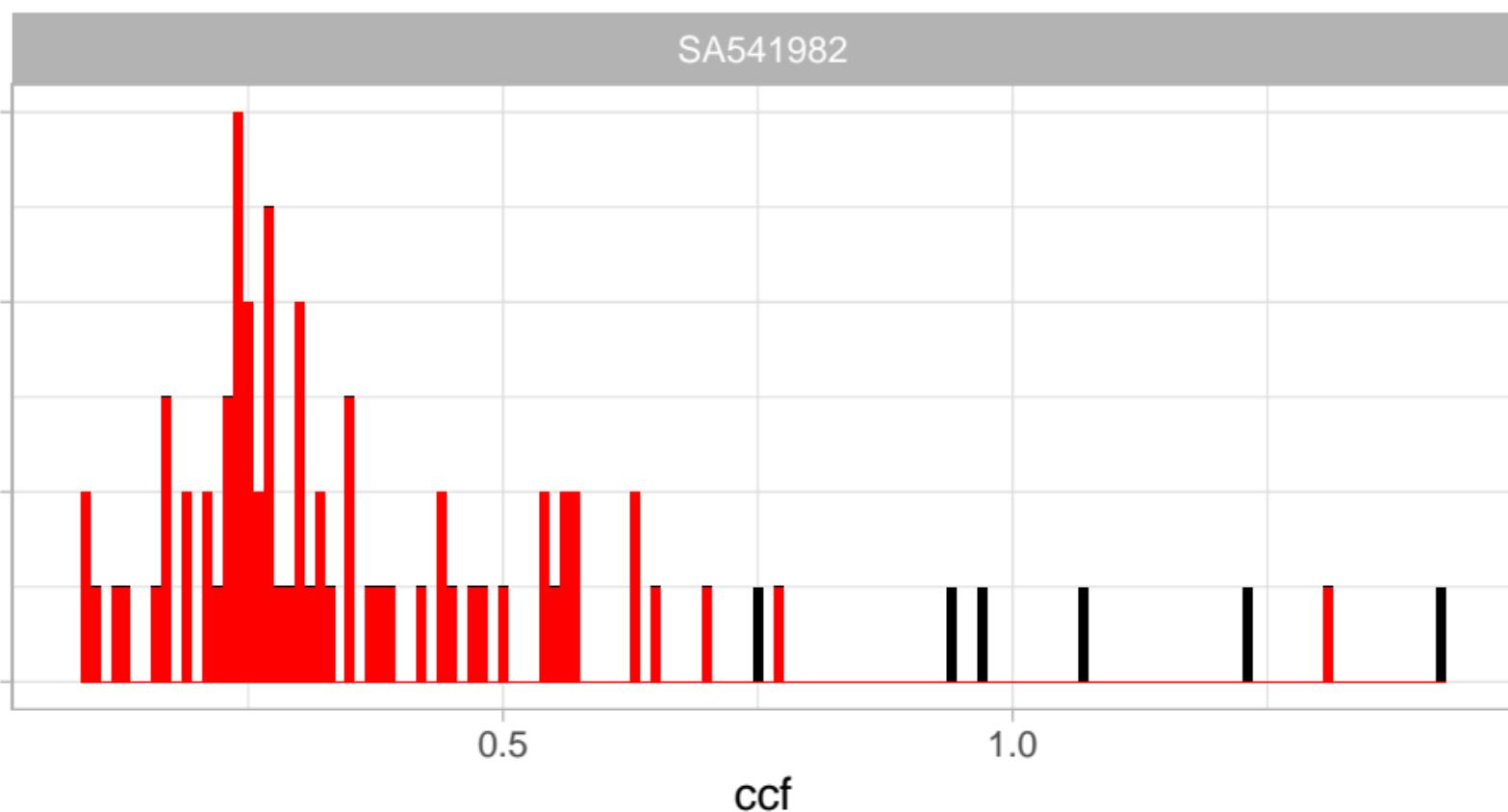
6
4
2
0

0.5

1.0

ccf

cluster tail clonal subclonal



SA514957

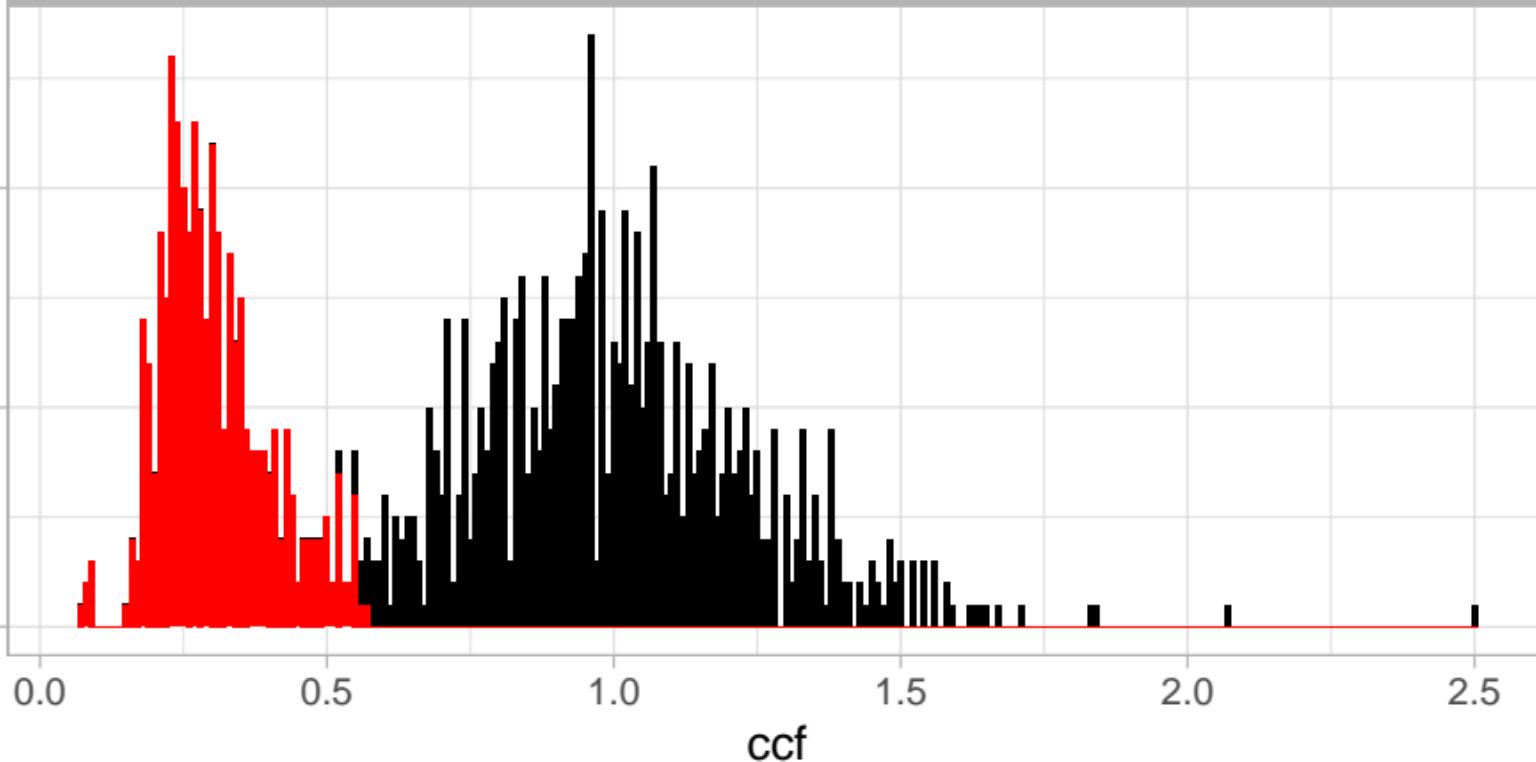
count

20
10
0

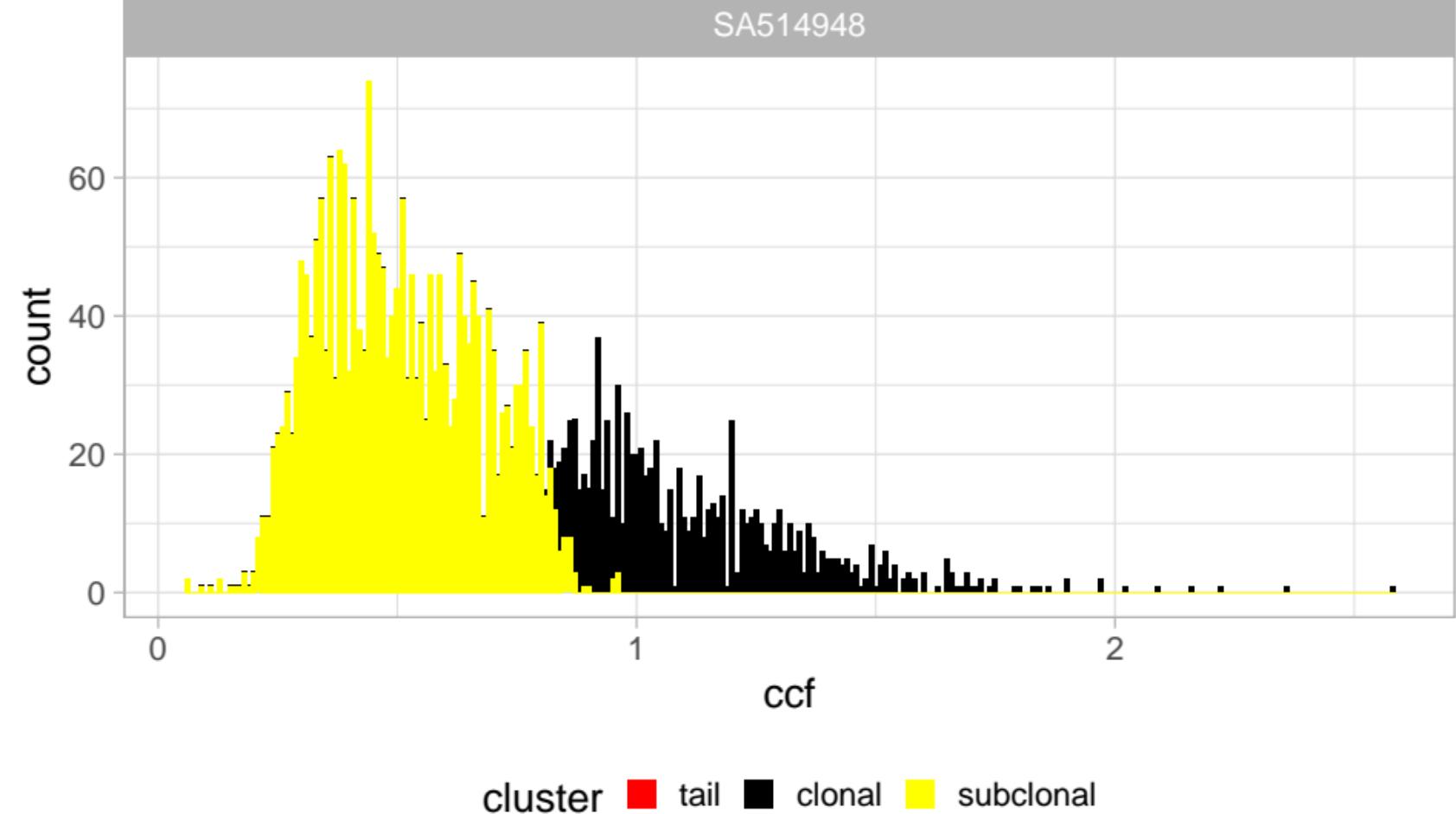
0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA514948



SA514936

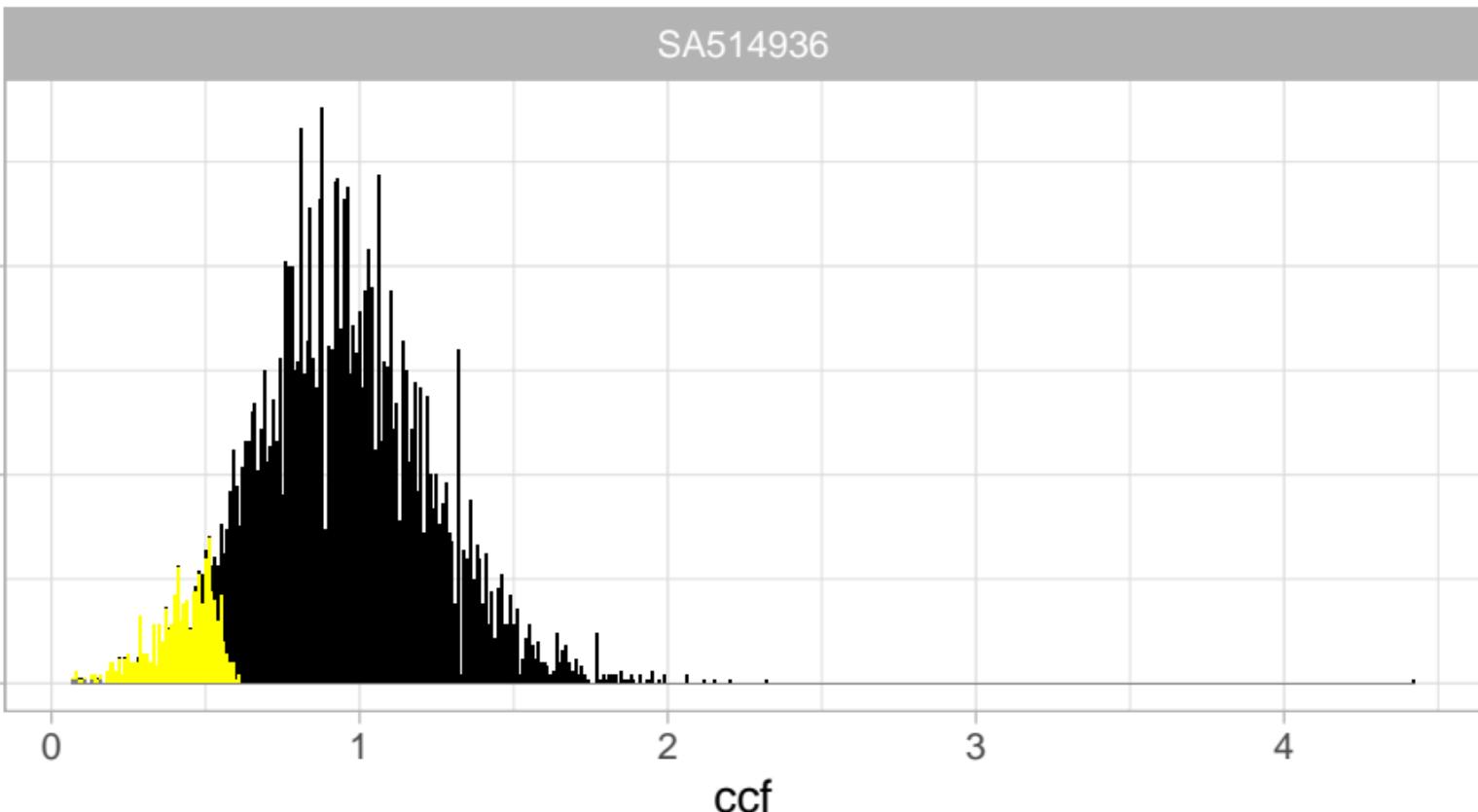
count

100
50
0

0 1 2 3 4

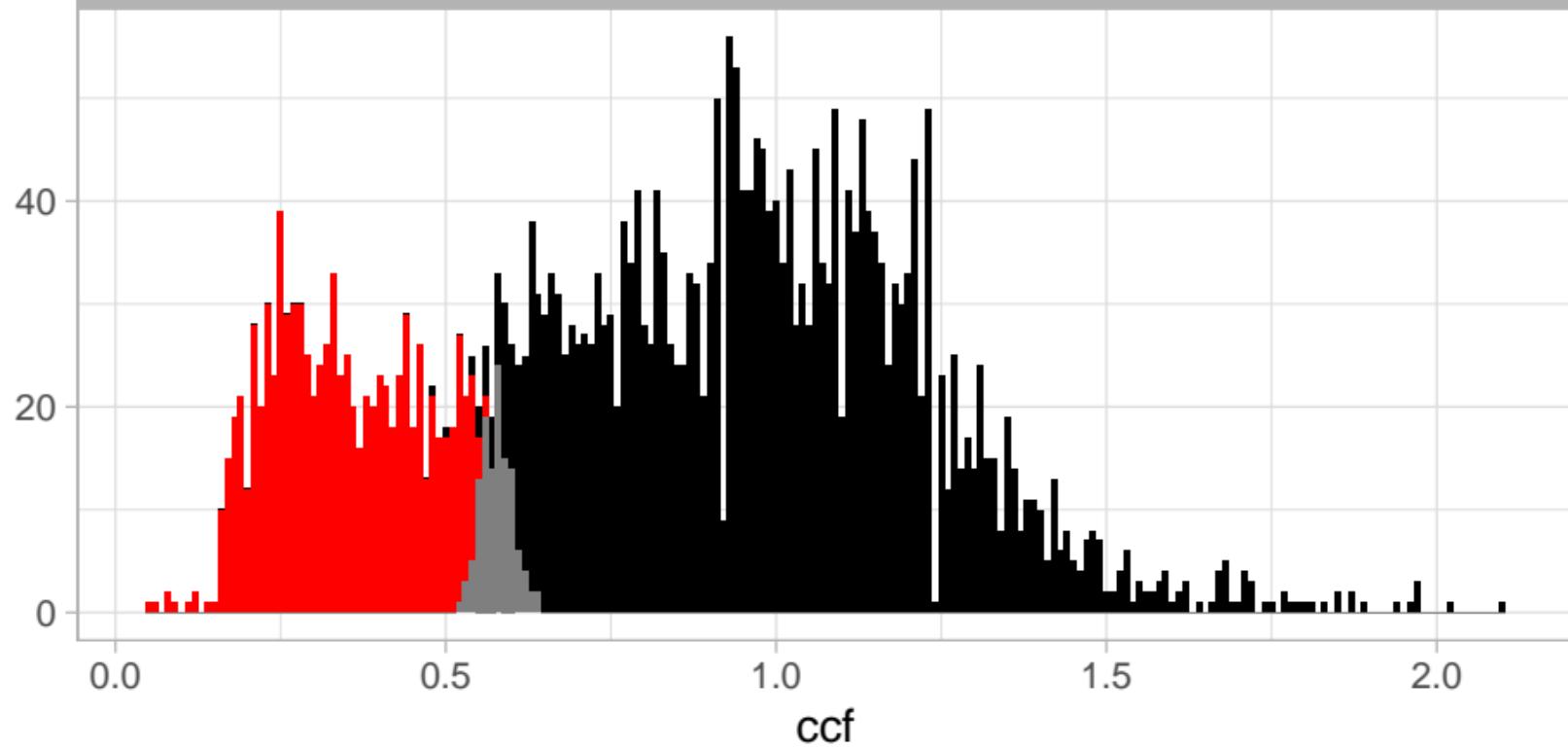
ccf

cluster tail clonal subclonal



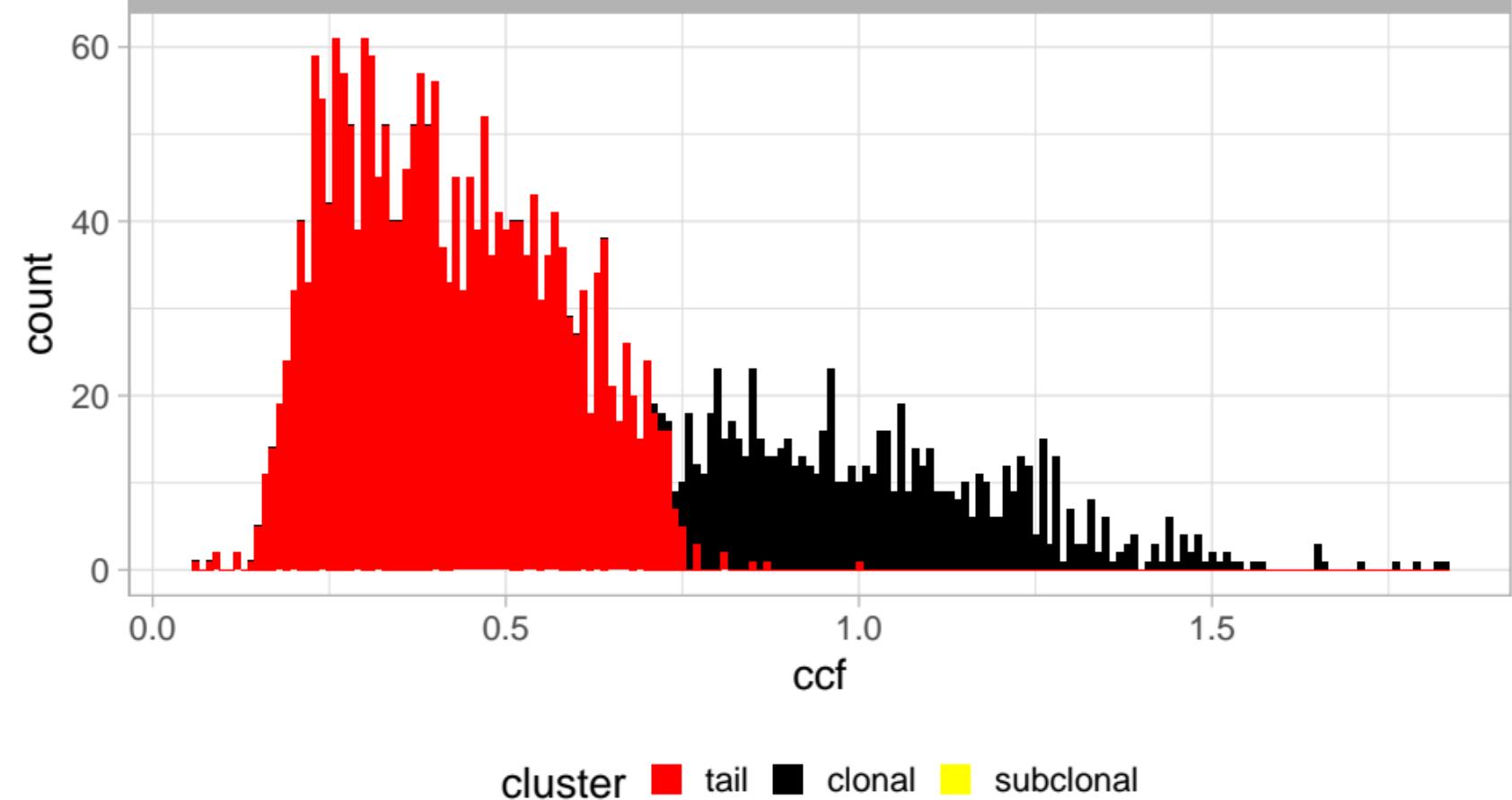
SA514938

count



cluster ■ tail ■ clonal ■ subclonal

SA514946



SA514961

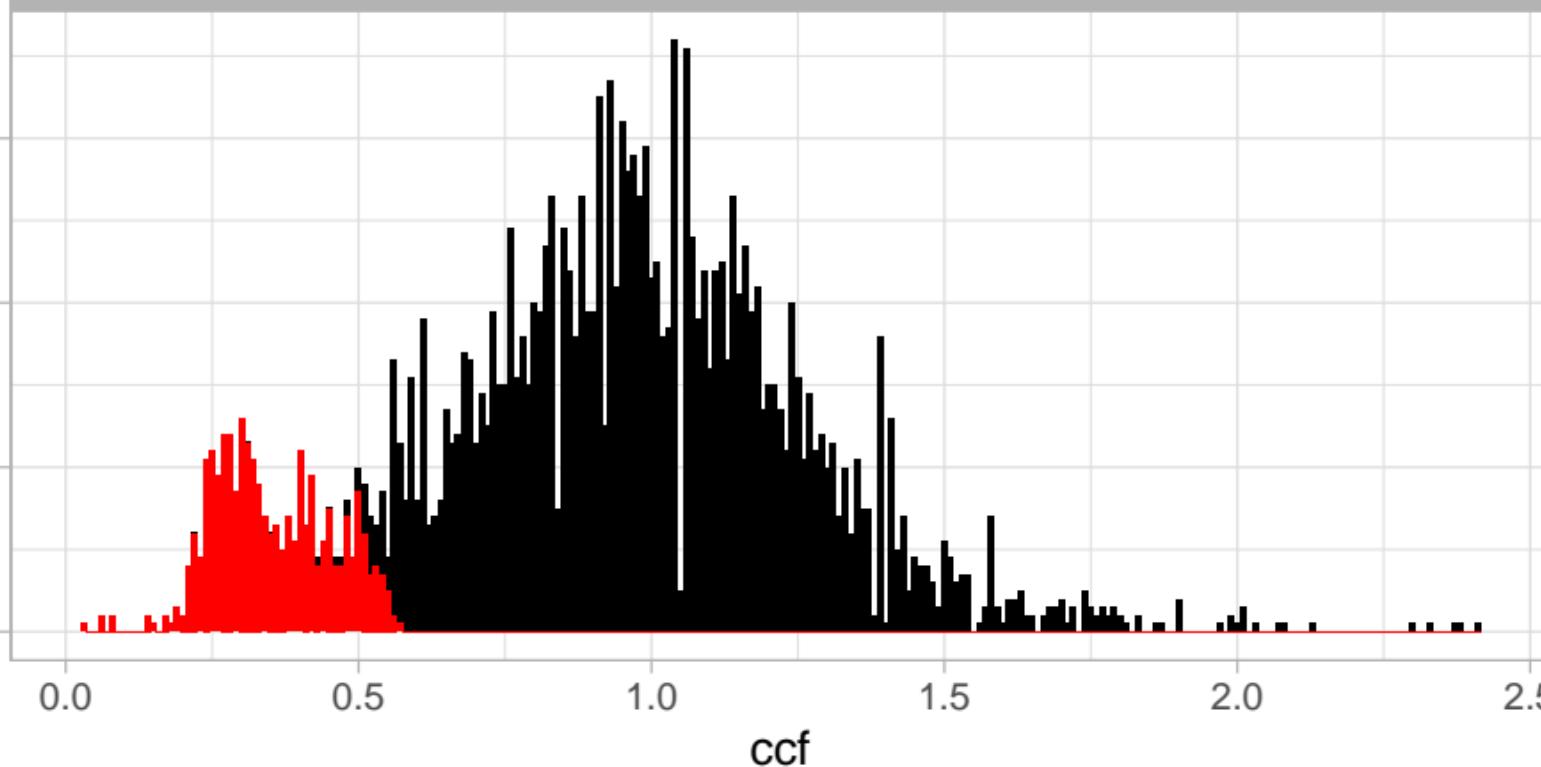
count

60
40
20
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal



SA541820

count

100

50

0

0.0

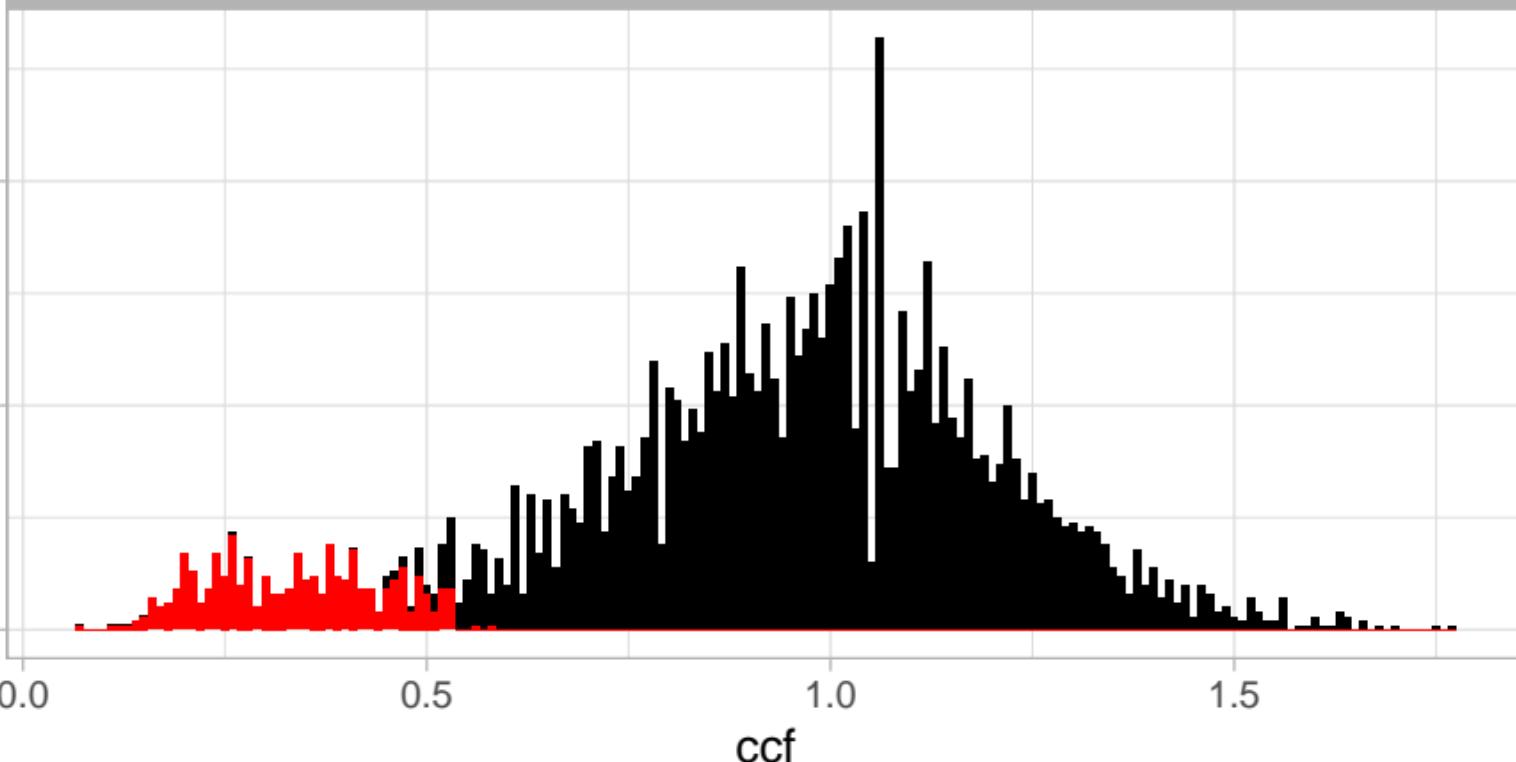
0.5

1.0

1.5

ccf

cluster ■ tail ■ clonal ■ subclonal



SA541840

count

150

100

50

0

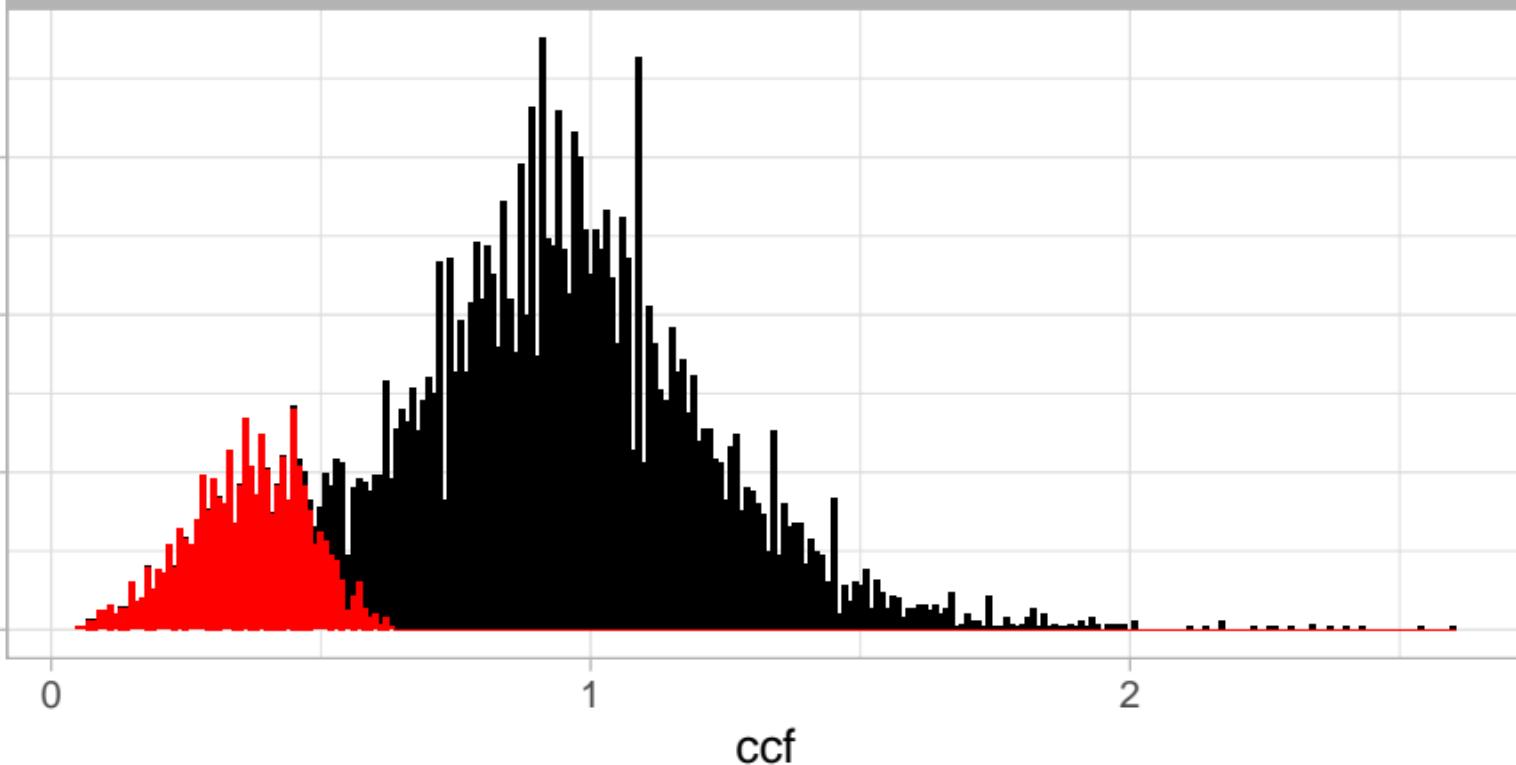
0

1

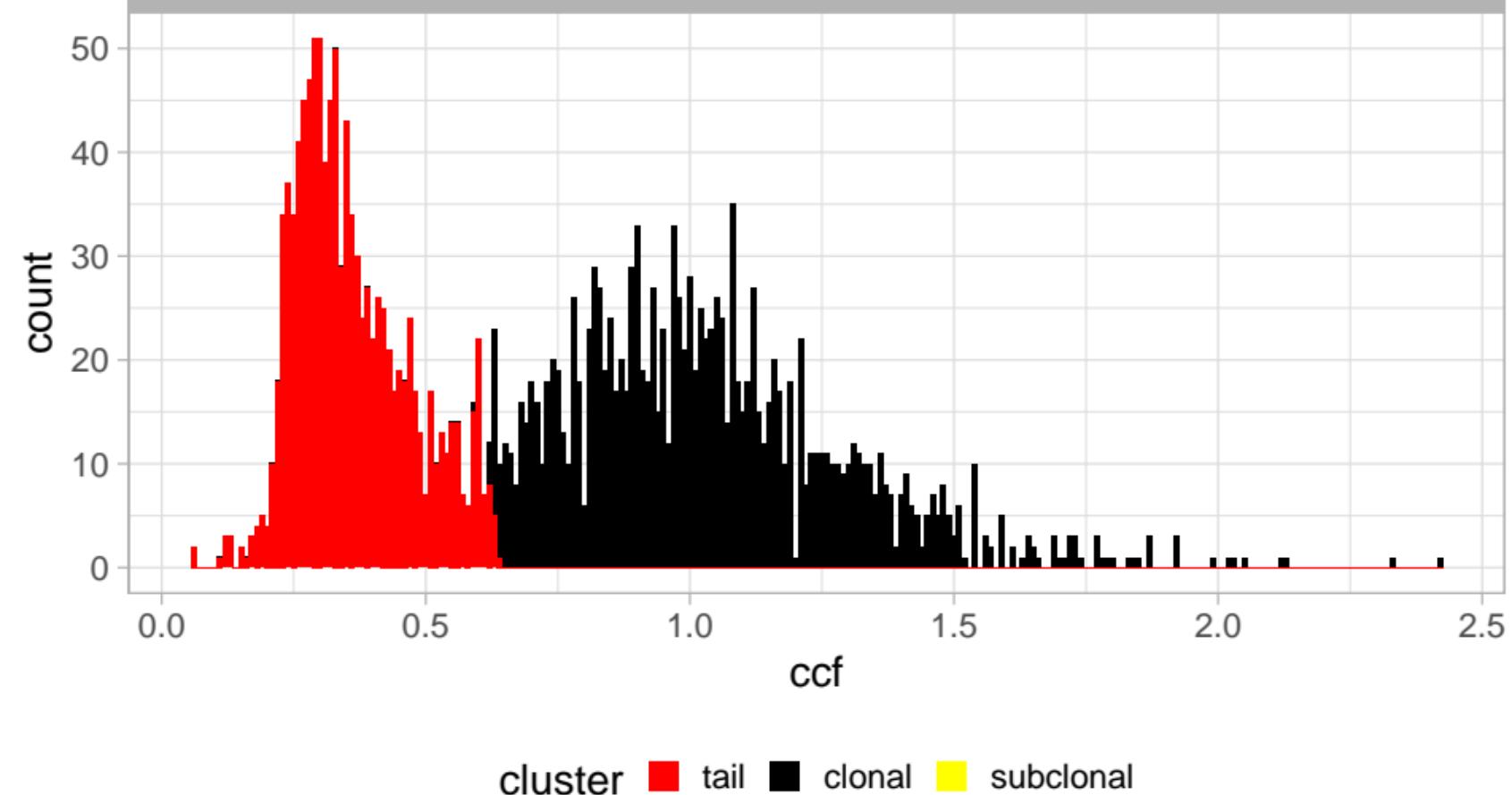
2

ccf

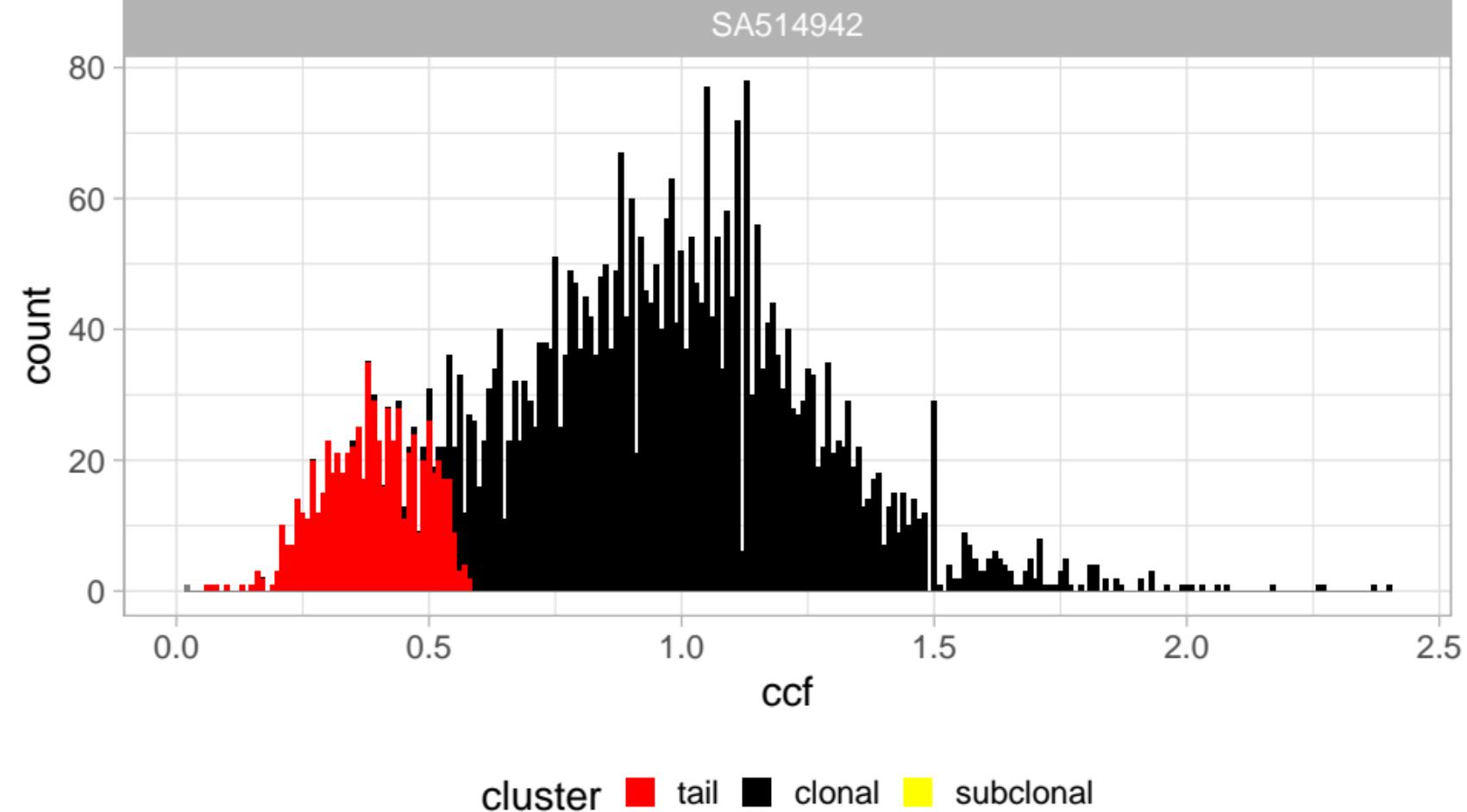
cluster ■ tail ■ clonal ■ subclonal



SA514940



SA514942



SA541850

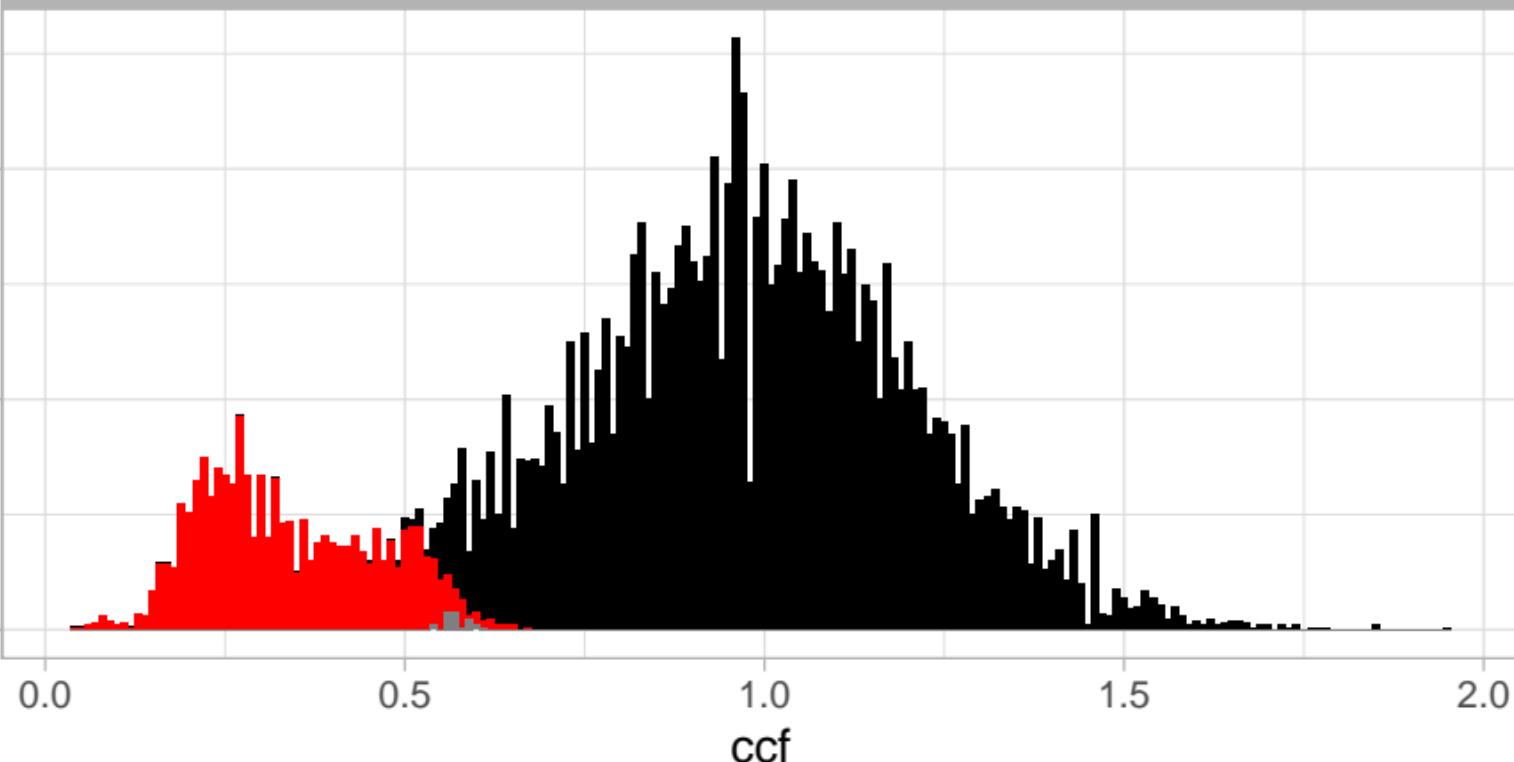
count

200
100
0

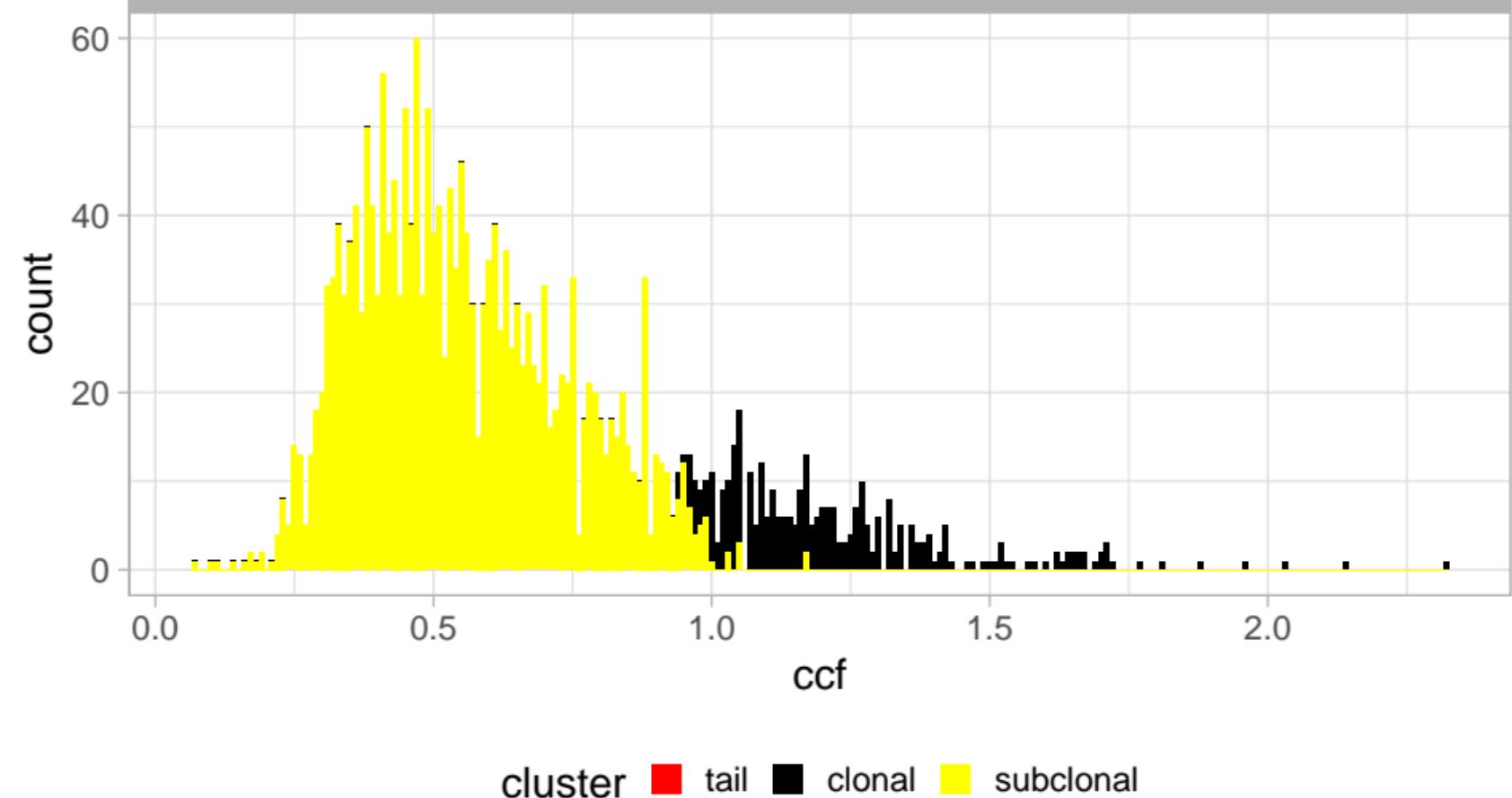
0.0 0.5 1.0 1.5 2.0

ccf

cluster ■ tail ■ clonal ■ subclonal



SA514959



SA414042

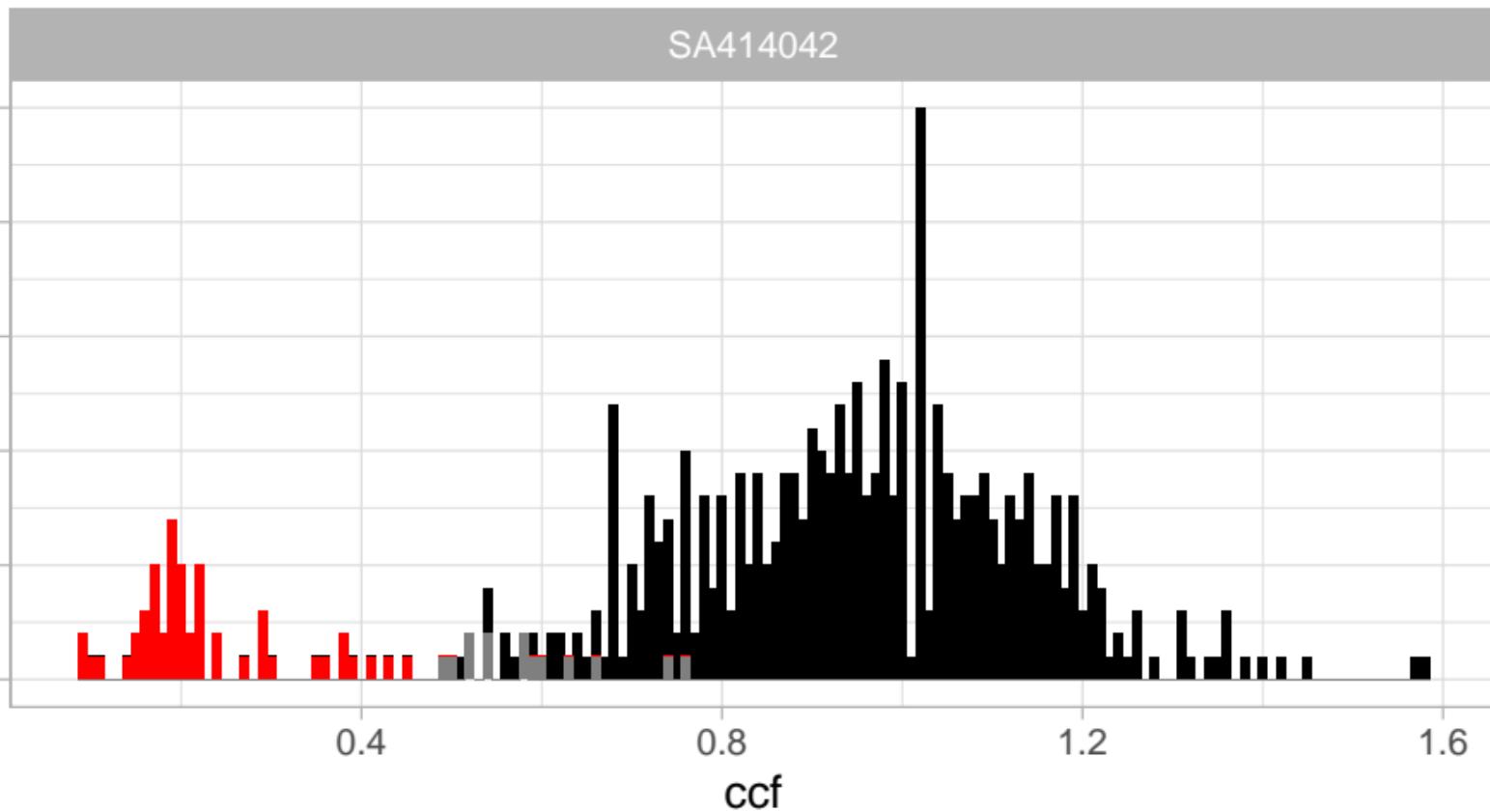
count

25
20
15
10
5
0

0.4 0.8 1.2 1.6

ccf

cluster tail clonal subclonal



SA320872

count

1500
1000
500
0

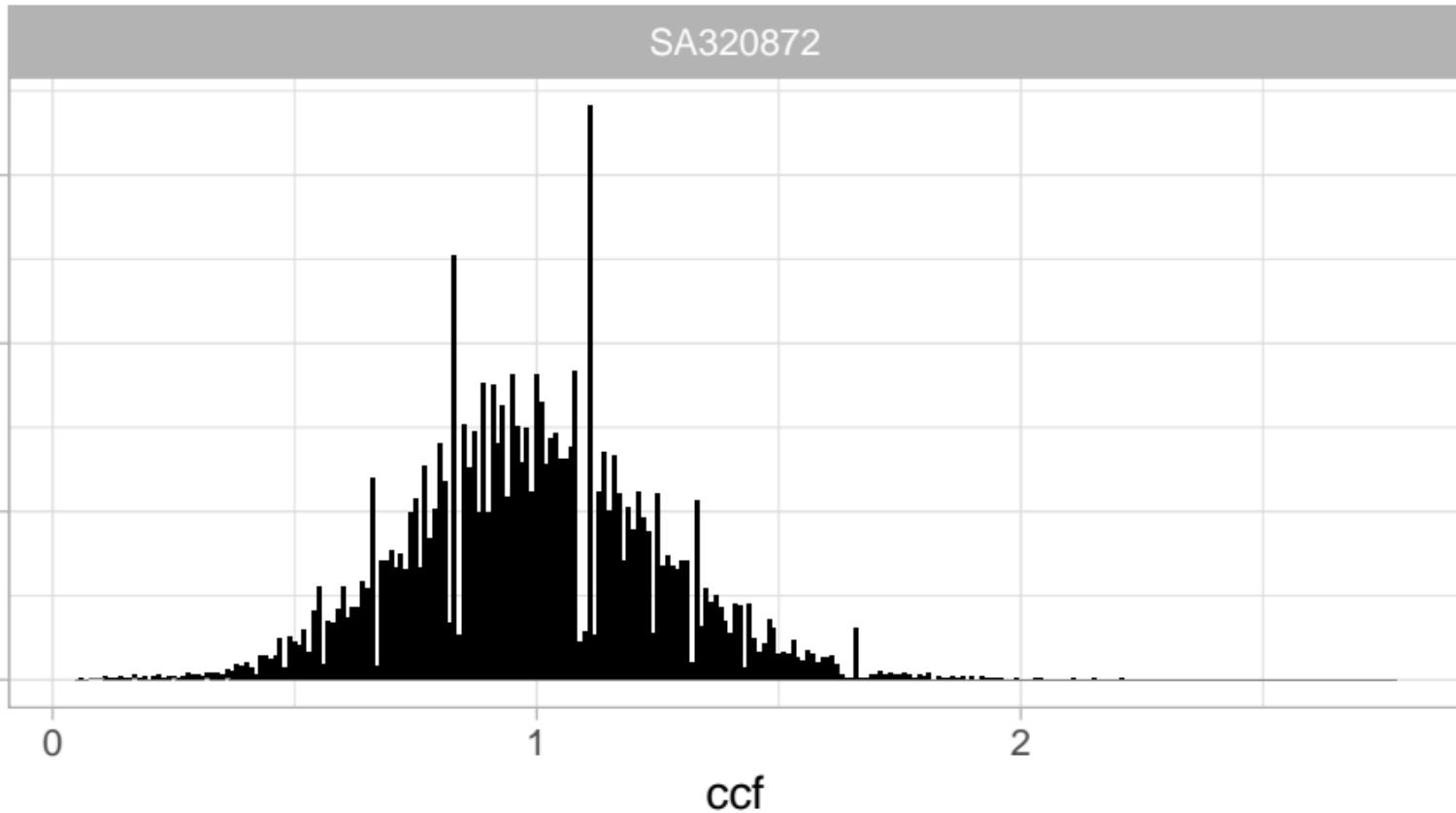
0

1

2

ccf

cluster ■ tail ■ clonal ■ subclonal



SA542054

count

1000
750
500
250
0

0.0 0.5 1.0 1.5 2.0 2.5

ccf

cluster tail clonal subclonal

SA570921

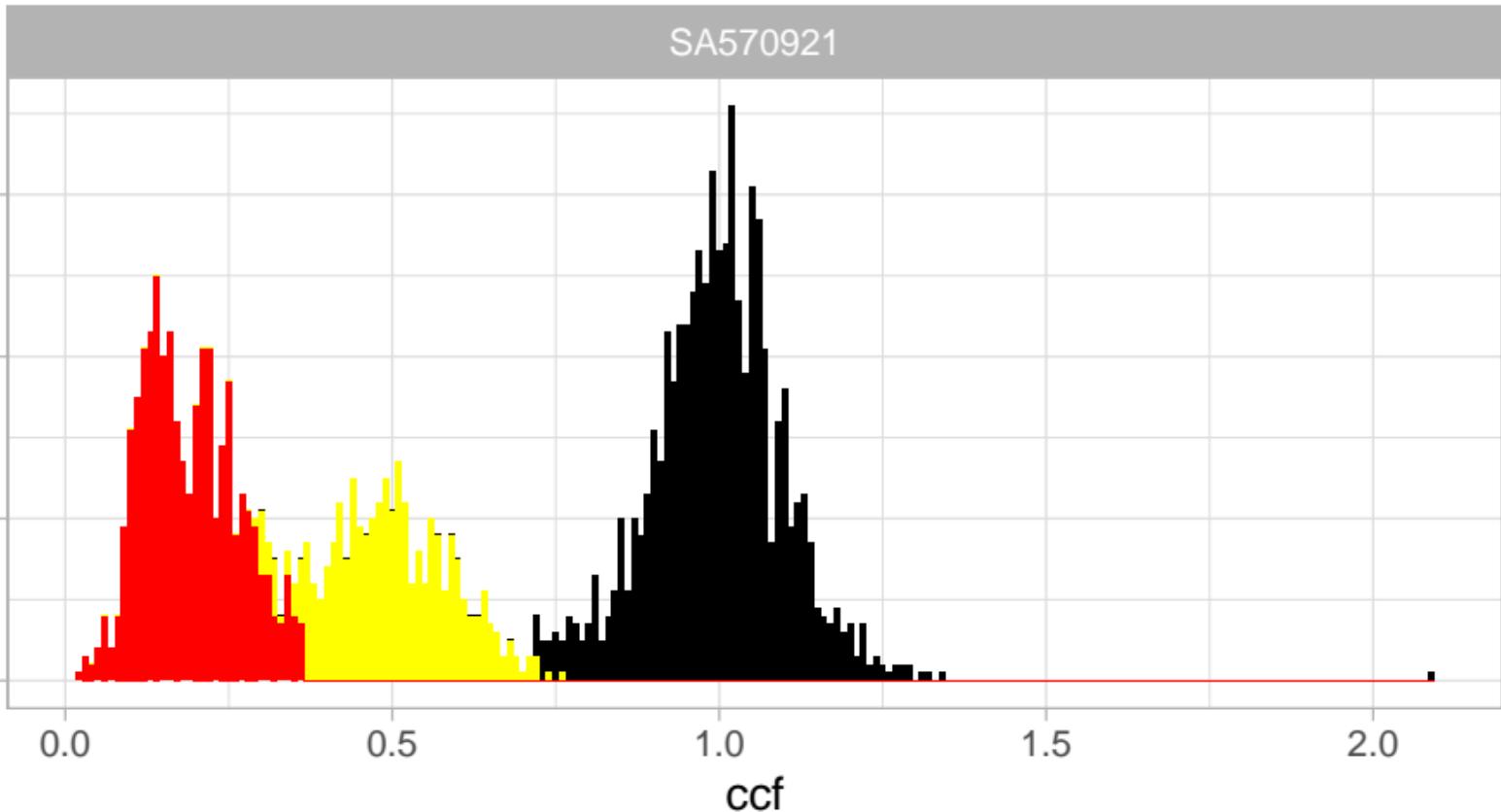
count

60
40
20
0

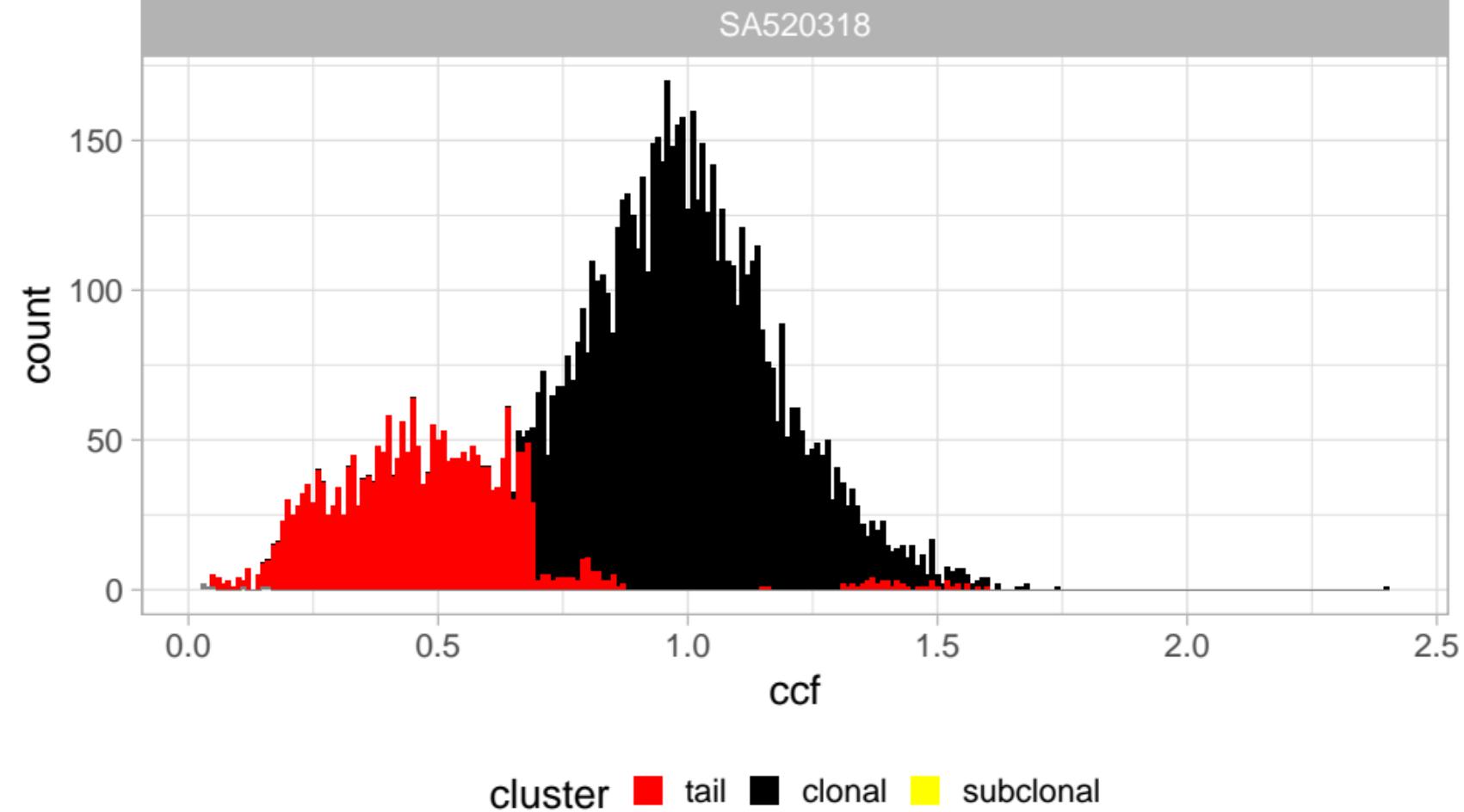
0.0 0.5 1.0 1.5 2.0

ccf

cluster tail clonal subclonal

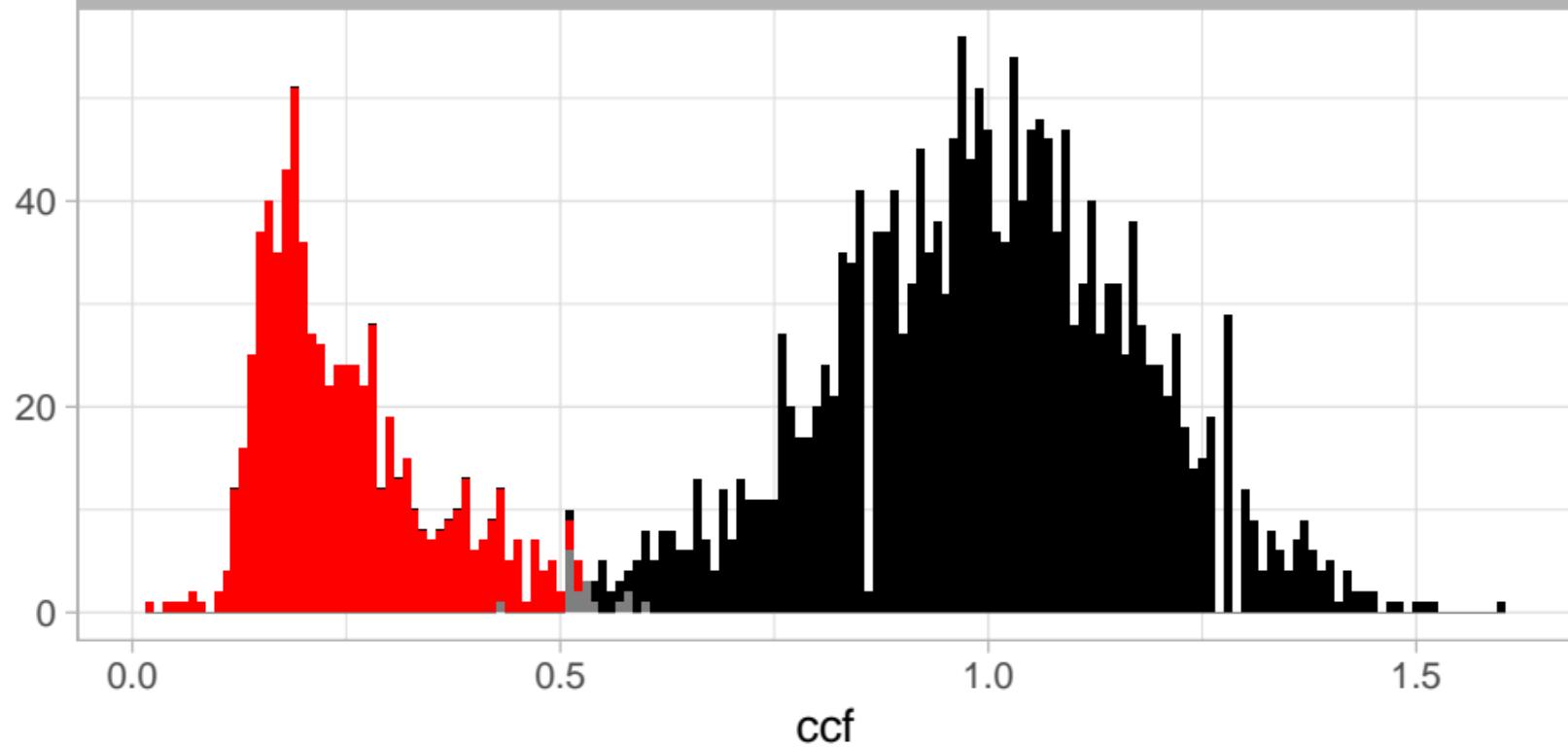


SA520318



SA530530

count



cluster ■ tail ■ clonal ■ subclonal

SA542175

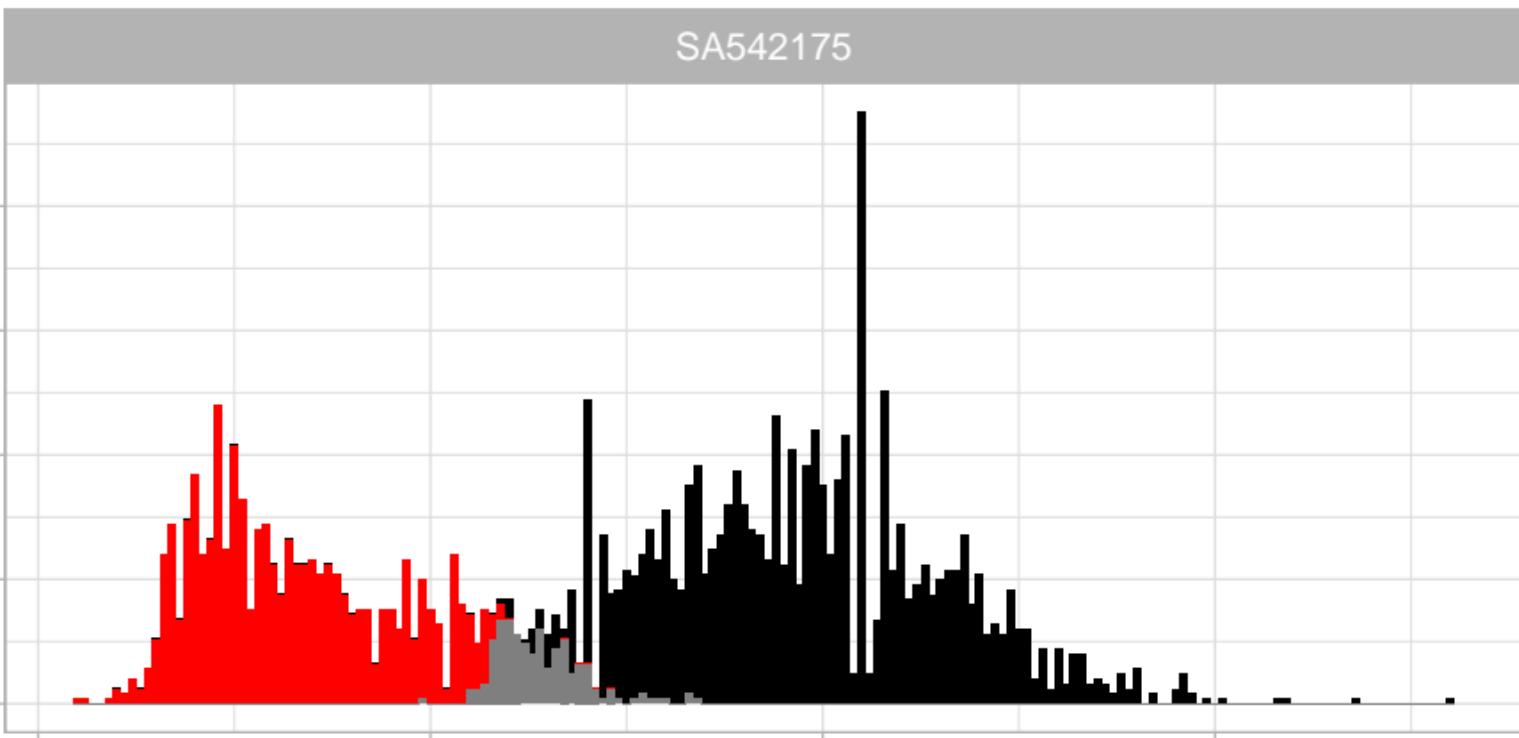
count

100
75
50
25
0

0.0 0.5 1.0 1.5

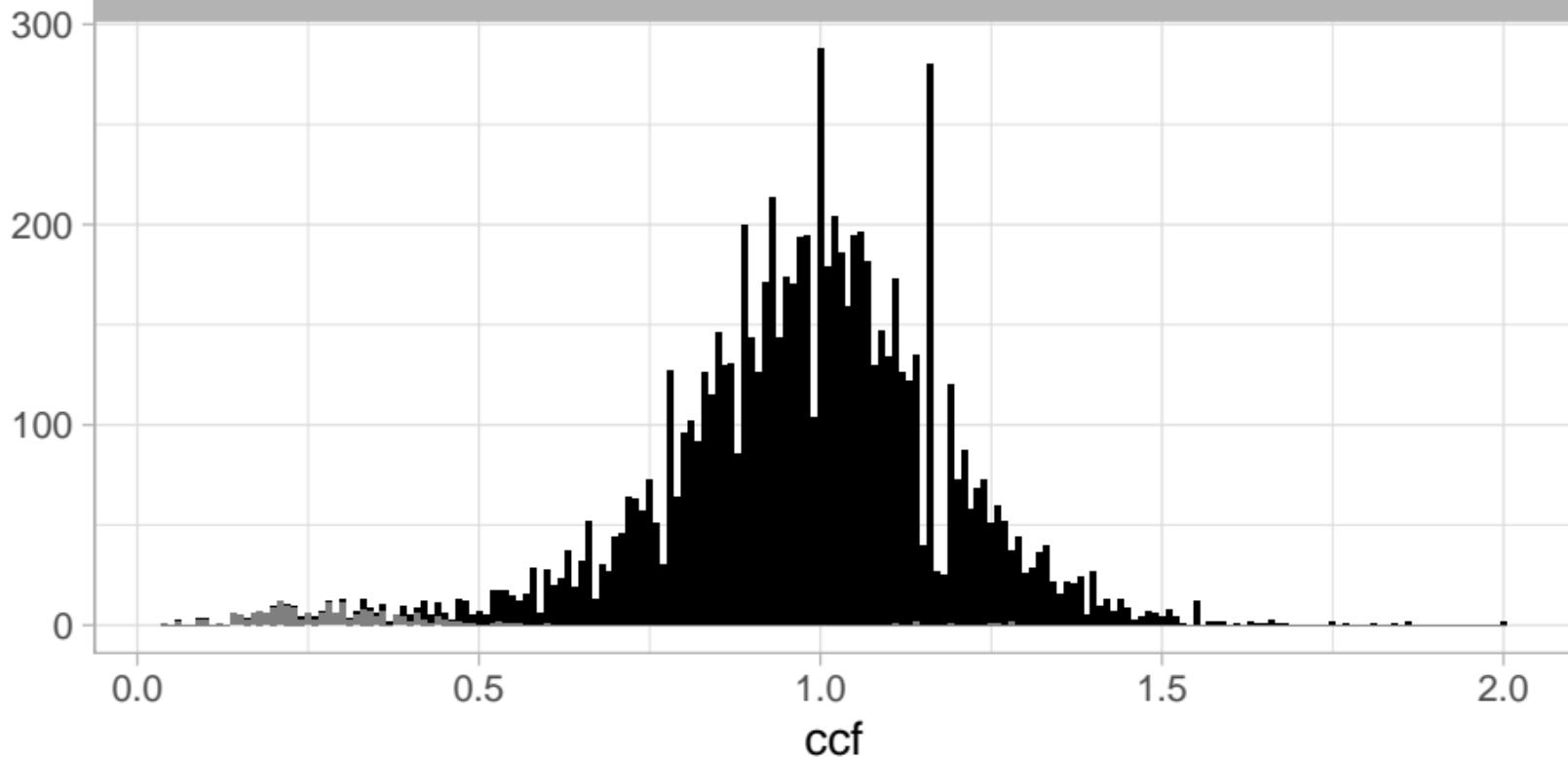
ccf

cluster tail clonal subclonal



SA270468

count



cluster ■ tail ■ clonal ■ subclonal

SA533736

count

75

50

25

0

0.0

0.5

1.0

1.5

2.0

ccf

cluster tail clonal subclonal

