

中国女性群体皮肤状态洞察

蓝皮书 (2025)



上海肤焕科技有限公司

上海微谱检测科技集团股份有限公司

上海日用

联合发布

"

"

5000

18-65

6

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	1
1.1	1
1.2	“ ”	1
1.3	3
1.4	3
	“ x ”	7
2.1	7
2.2	10
2.2.1	10
2.2.2	12
2.3	15
2.4	19
2.5	23
2.5.1	23
2.5.2	alpha	24
2.6	25
2.6.1	.....	25
2.6.2	.....	30
2.7	.....	31
2.8	.....	34
2.9	.....	36
2.9.1	.....	36
2.9.2	alpha	38
	“ ”	42
3.1	.....	42

3 1.1	—	.....	42
3 1.2		43
3 1.3	—	44
3 1.4	—	45
3 1.5	—	46
3 2		48
3 2 1		48
3 2 2		49
3 2 3	—	50

1.1

" " " "

1.2

• 5000 " " 18-25 /26-35 /36-45 /46-55

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DernaLab Hydrati on P i n

Tevaneter TMInano

Milboneter NB560

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K-W

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Dunn

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Pearson

Spearman

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L*

pH

3

Shannon

Simpson

/

Propri on i bacteri umStaphyl ococcus

1.4

2018

2019

Si ncare

“ ”

1

" x "

" x "

200

" "

21

L

b

1 ITA

ITA

44%

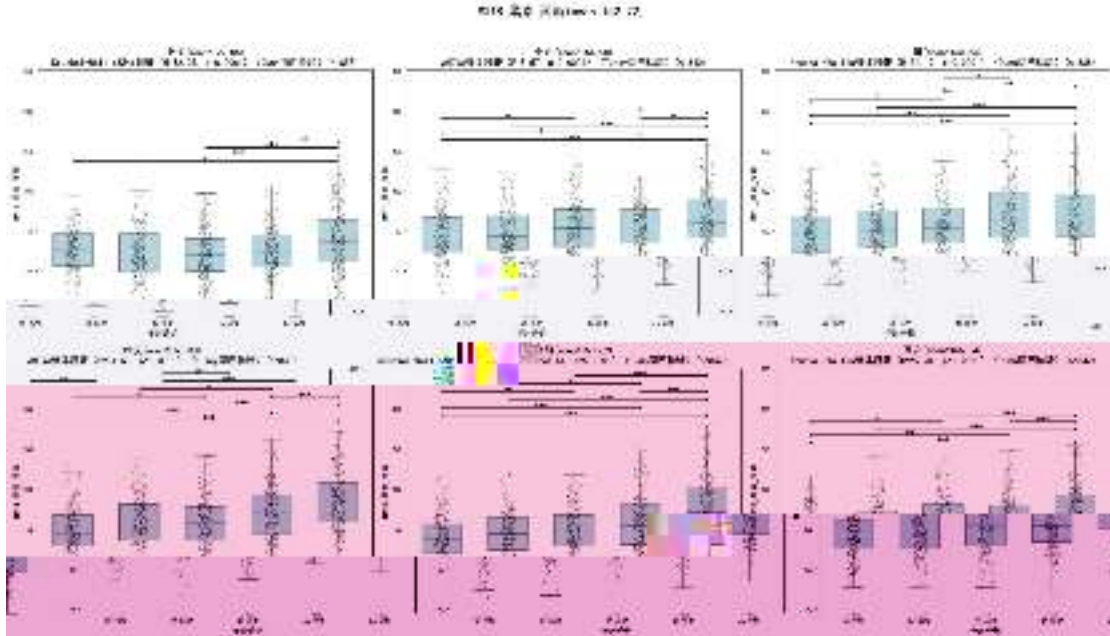
ITA

35

18

65

2



2.2.18

2.2

10%

55

3

3

2014.08.04 10:00



2.4 plus %

2.4 %

20%

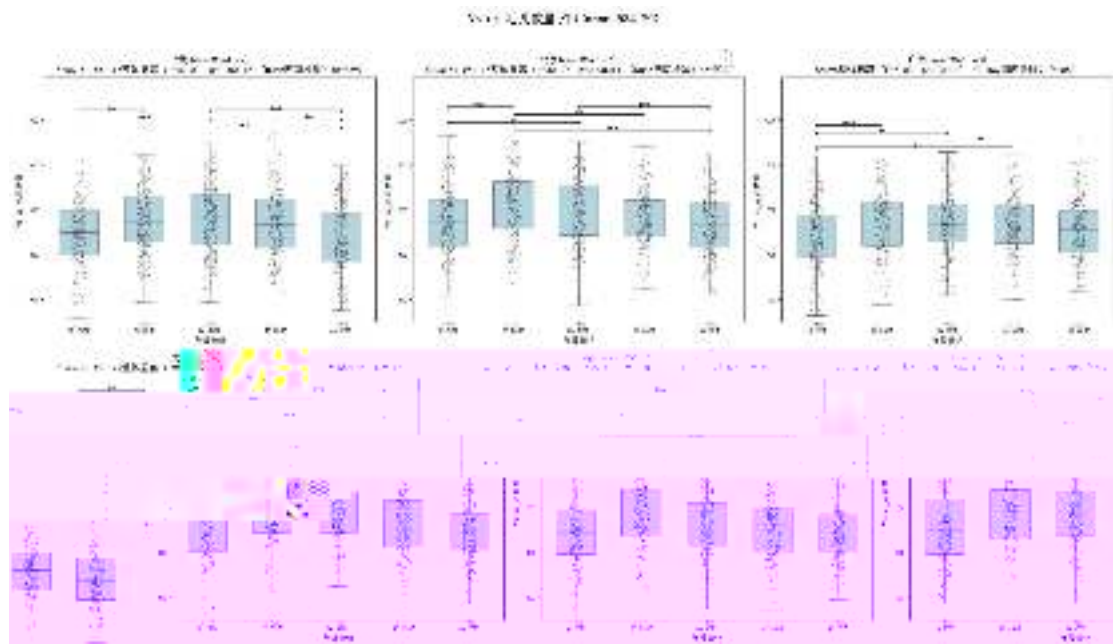
5

"

"

2.2

2

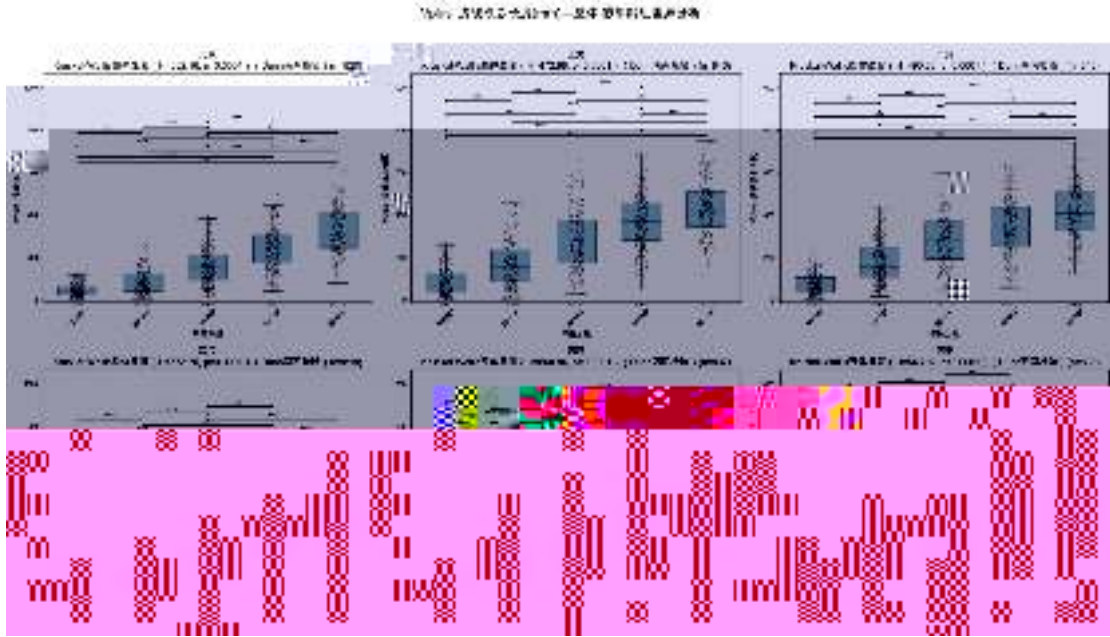


2.6 plus_

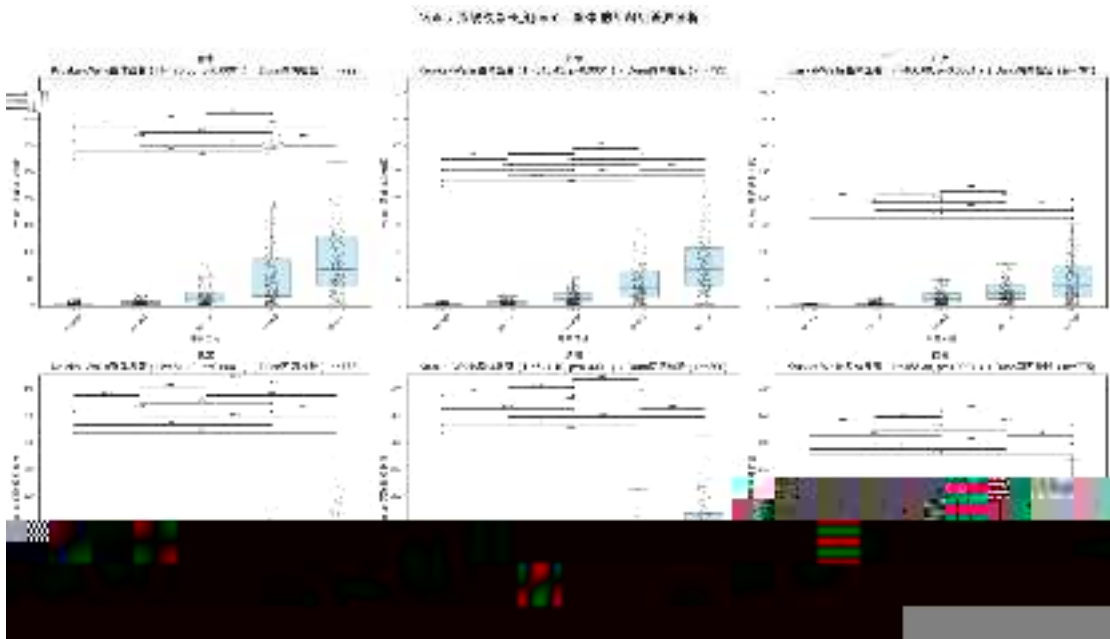
" "

2

" x "



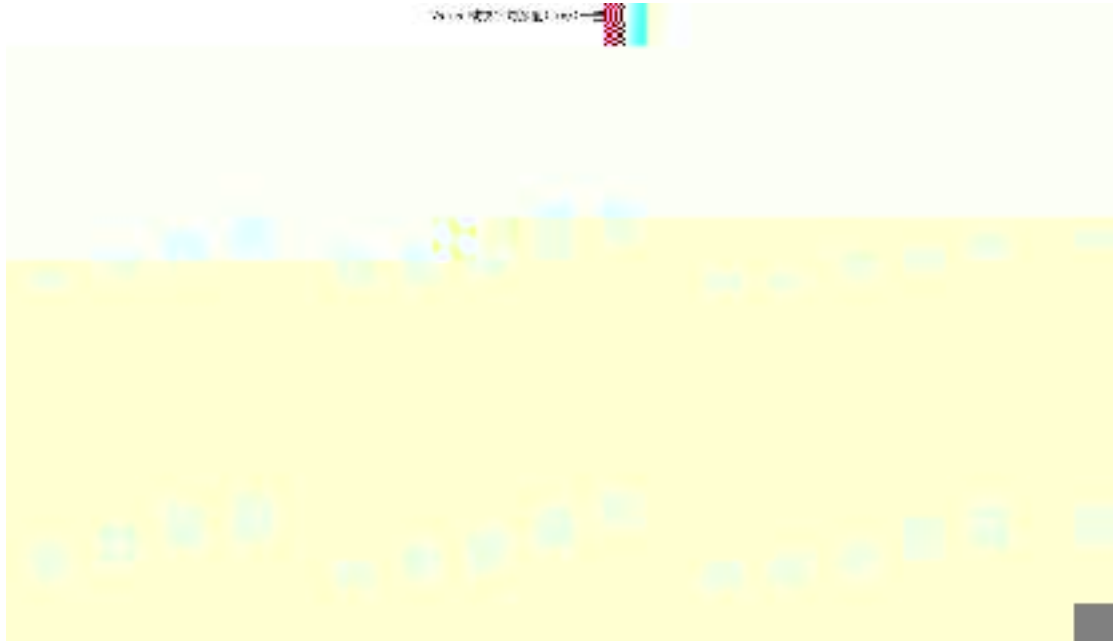
28 Vpl us_ nm



29 Vpl us_ nm

28 29

" x "



2 10 Vpl us_ μ m -

2 10 35

4

25

35

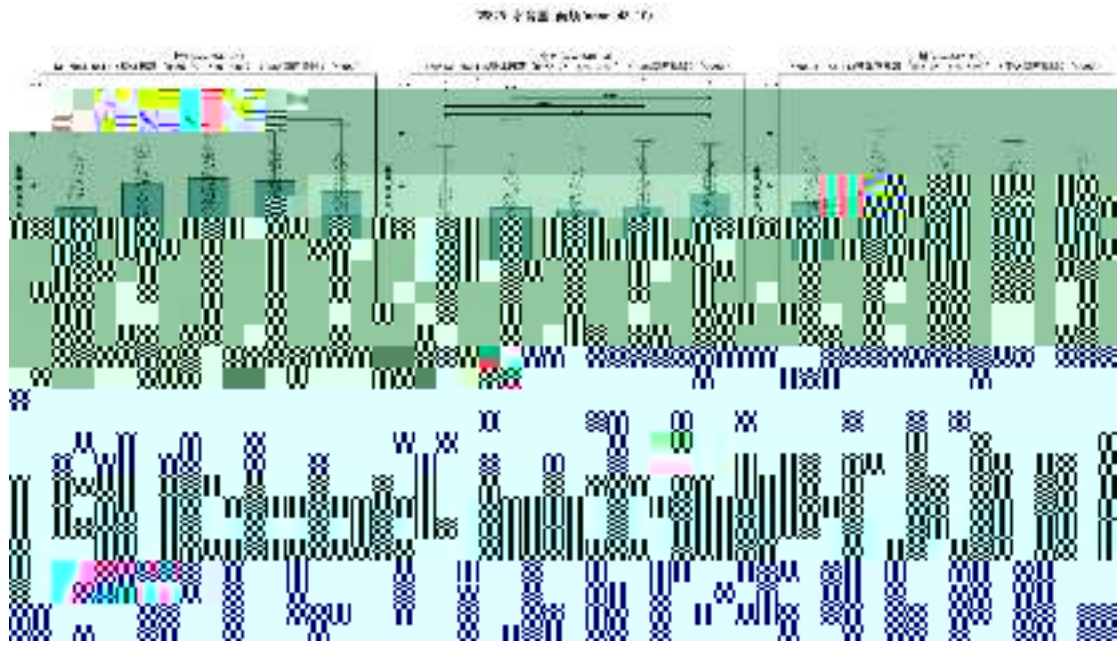
2 3

" " " "

TEV

pH

1



2 11 01825_ _

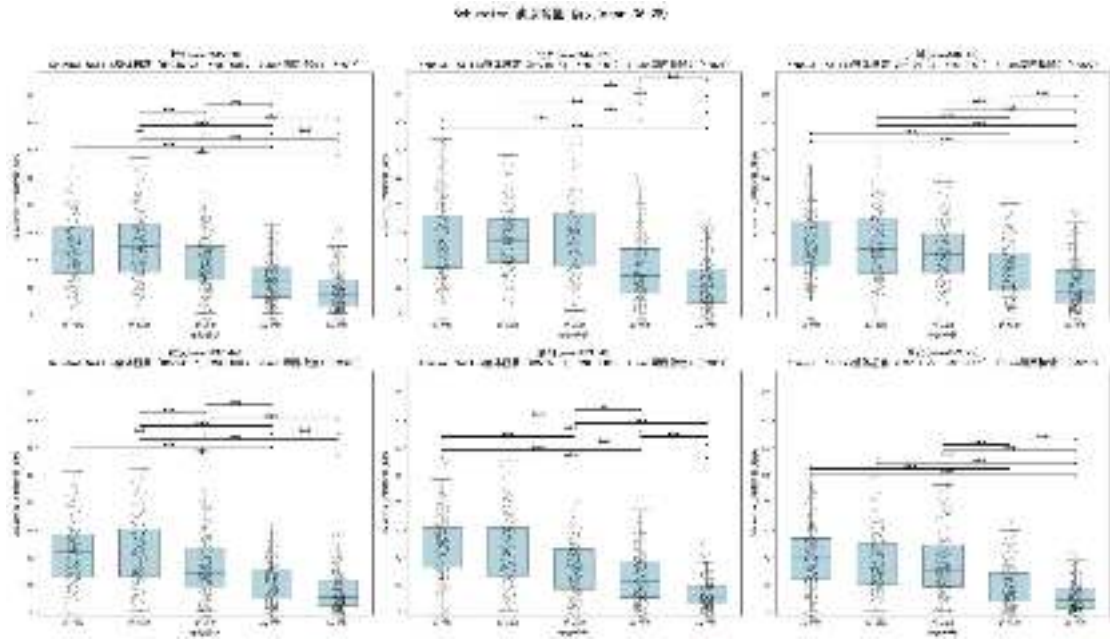
2 11

40

20 60

2

TEVW

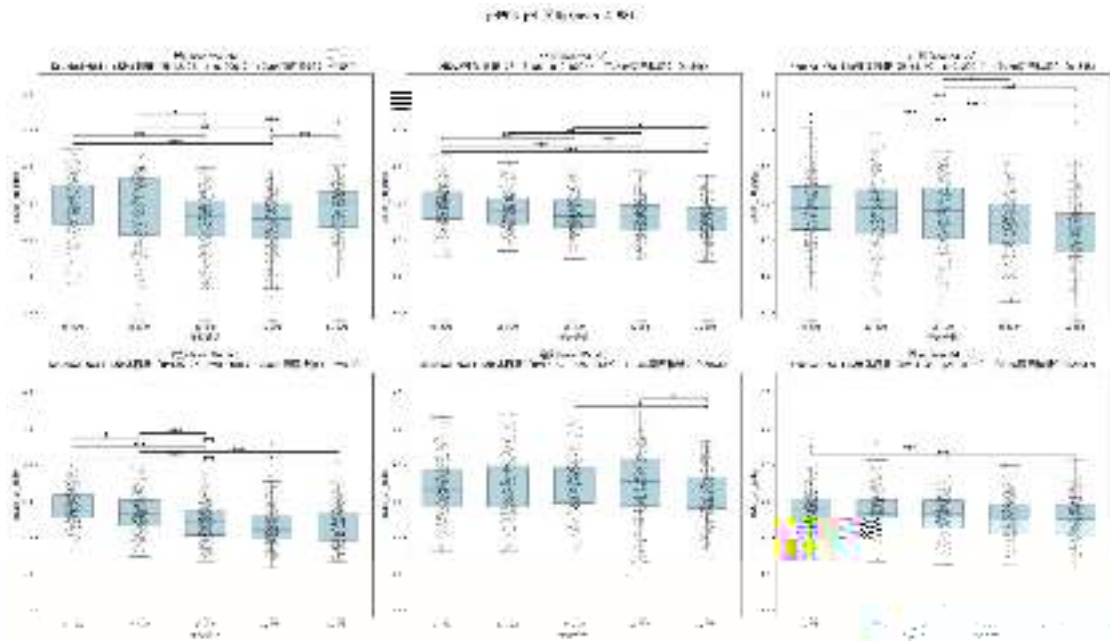


2 13 Sebunster_

2 13

181

" x "



2 14 pH05_pH

pH4 0 5 5

2 14 pH

3

" pH

5000

pH

45

pH

pH

4 5

3

pH

U

25

45

pH

45

pH

5

pH

5

5

40

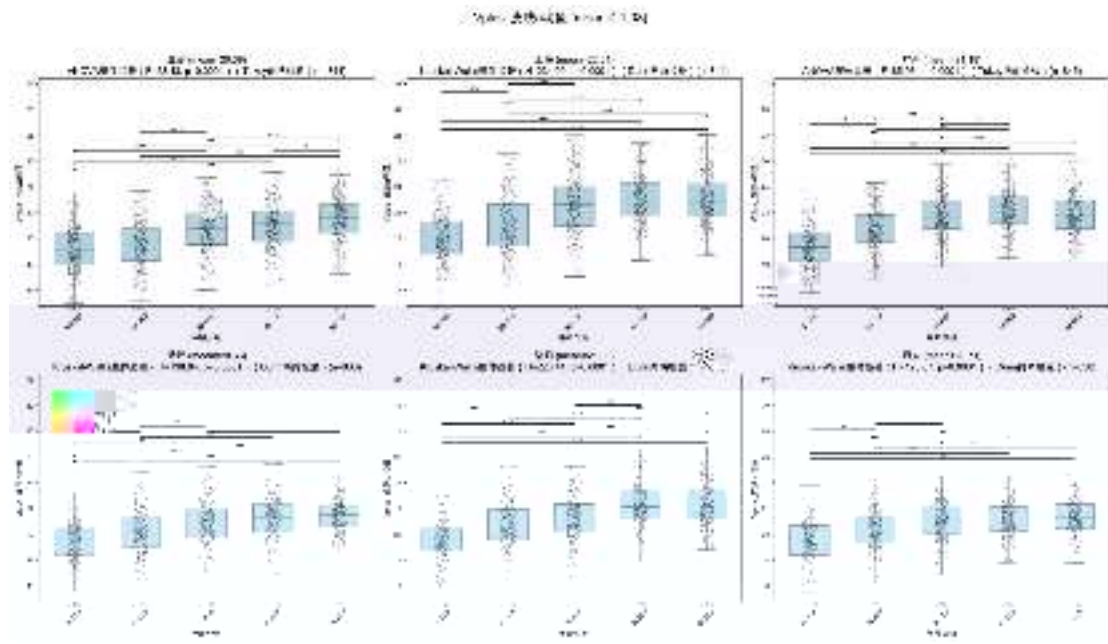
"

"

2 4

" x "

" x "



2 16 vpl us_ a

a

2 16
45

18 45

3

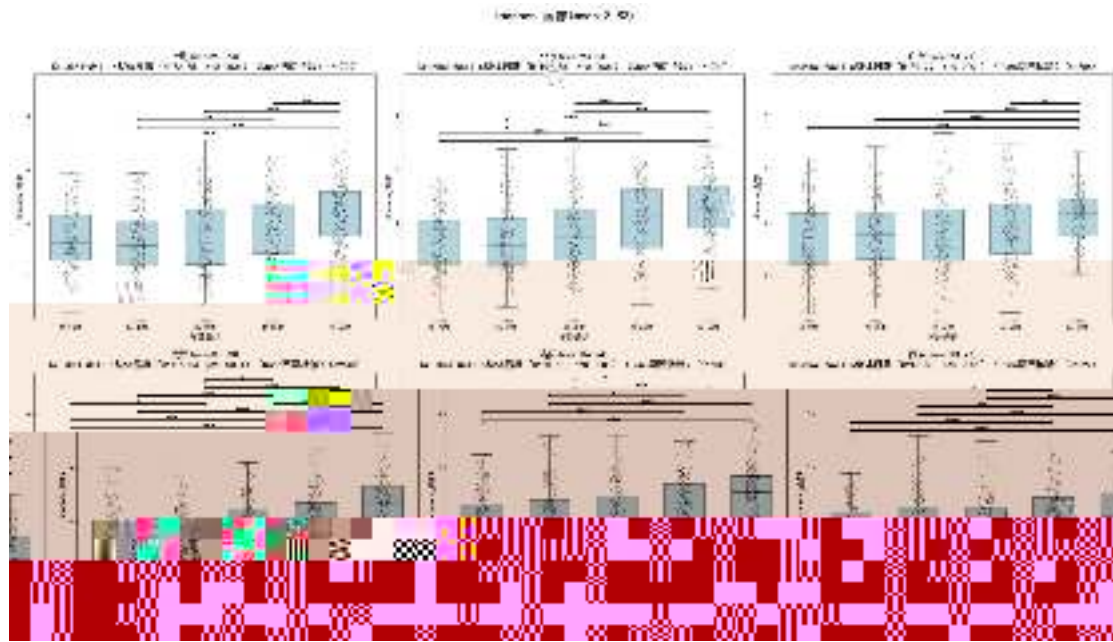
" x "

" x "

25

2 5 2

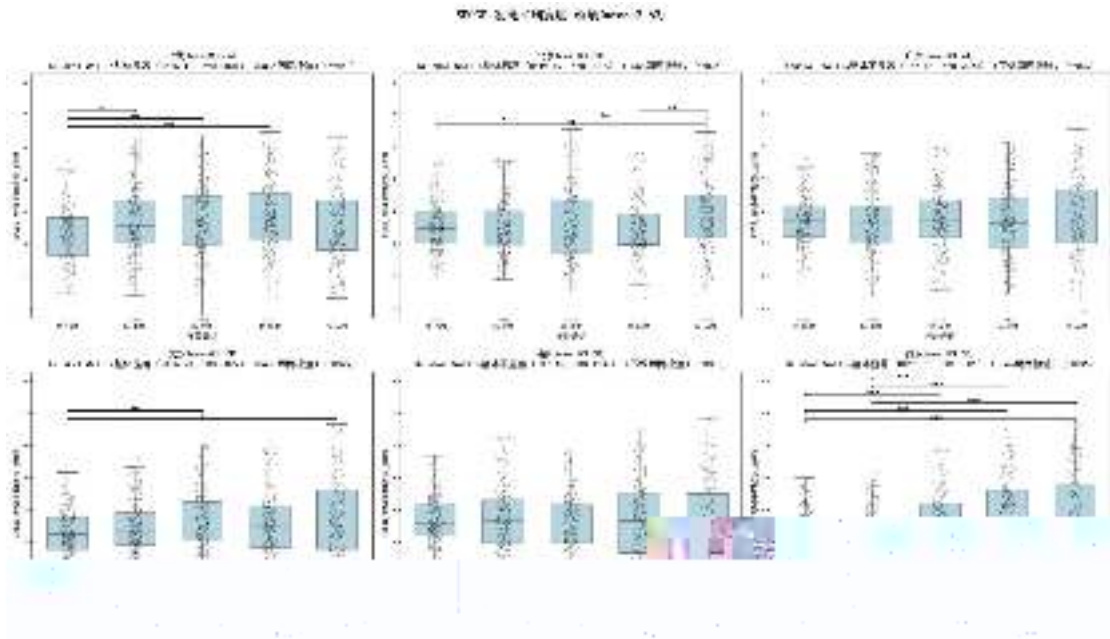
al pha



2.21 shannon

Shannon

1



2.22 SPCCS_

2 22

18-25

46-55

26-45

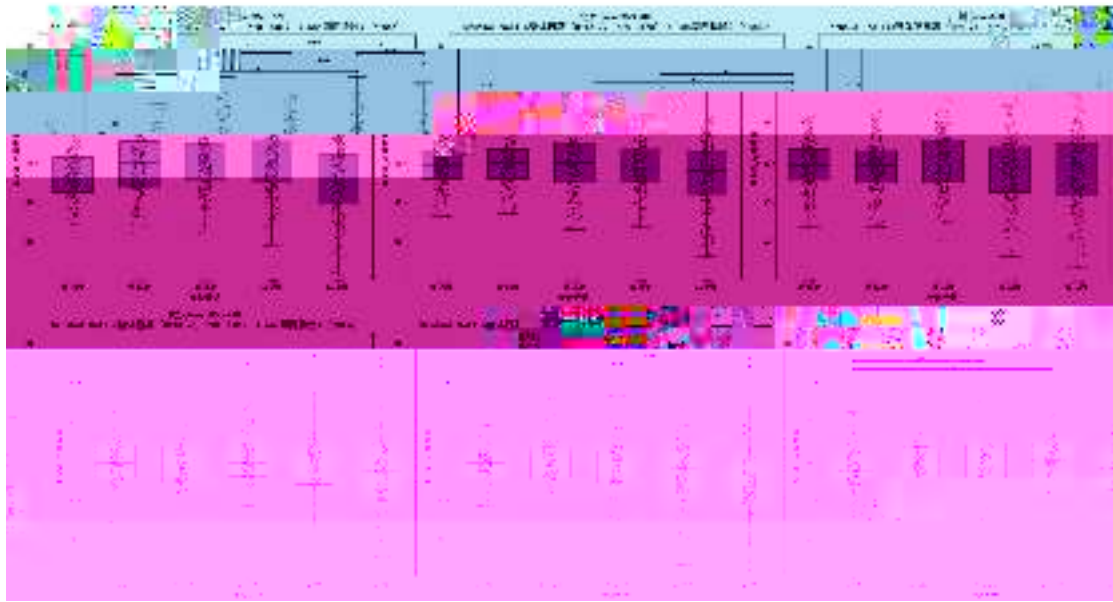
26

36

56

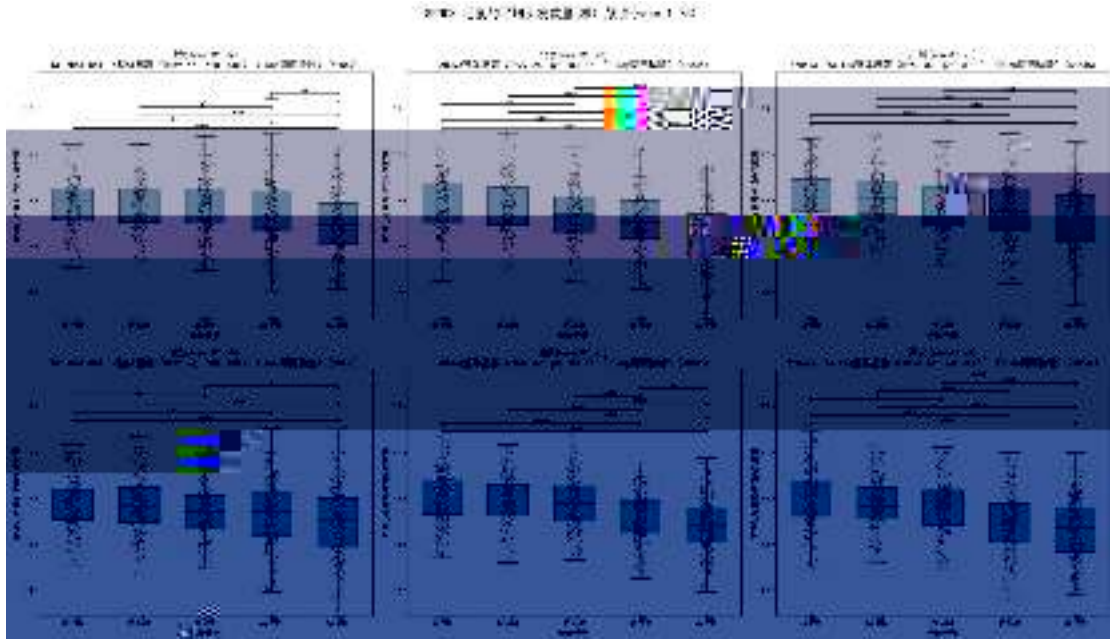
2

图 2-23 某工程 SPC 控制图



2-23 SPCS_

2-23



2-24 SPOCS_

-

2-24

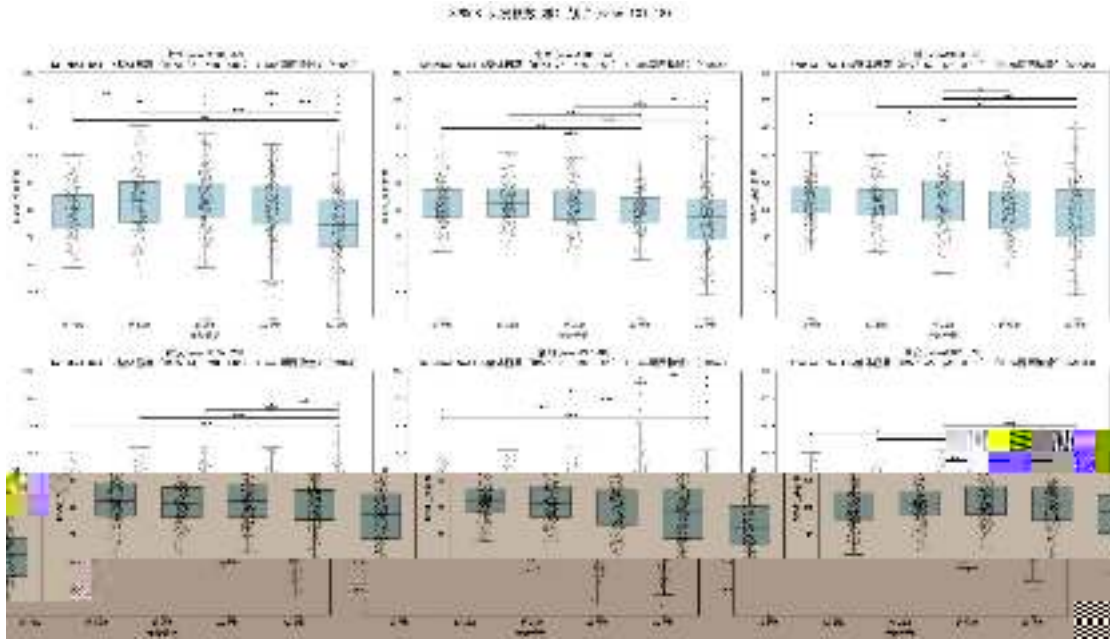
18-25

35-45

55-65

4

" x "



2 25 SPOCS_

2 25

18-35

46-65

36-45

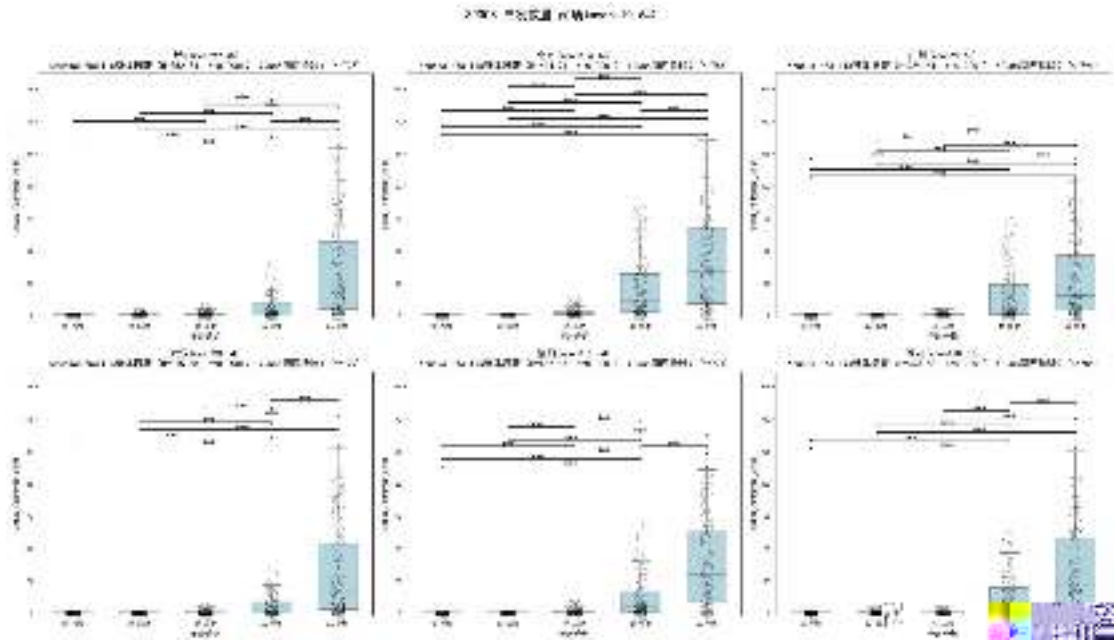
5

" " " "

— —

262

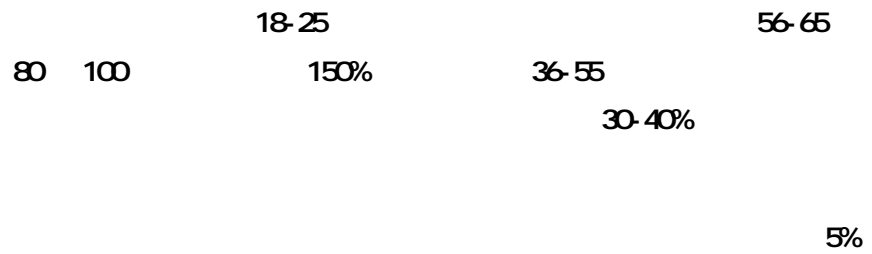
1



2.26 SP05_

—

2.26



2

" x "

46

27

TEV

pH

H

31|

2.27 deranhab_ _

2.27

18-35

46-65

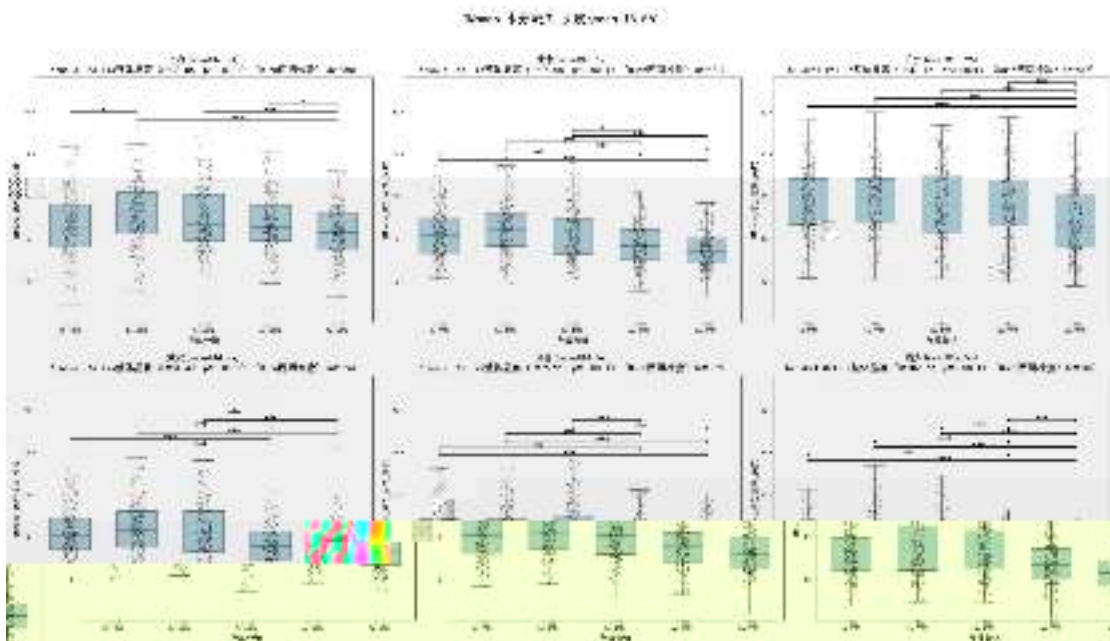
30%

36-45

" "

2

TEW



2.28 TMnano_ _

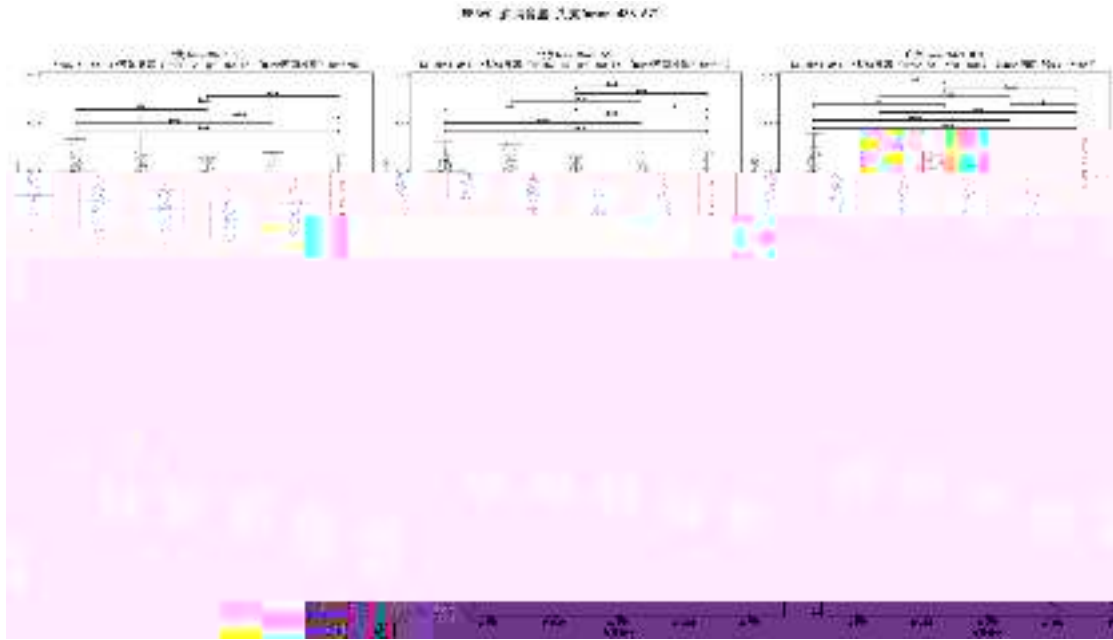
TEW

—TEW

2.28

TEW

18-35



2 30 MS60

2 30

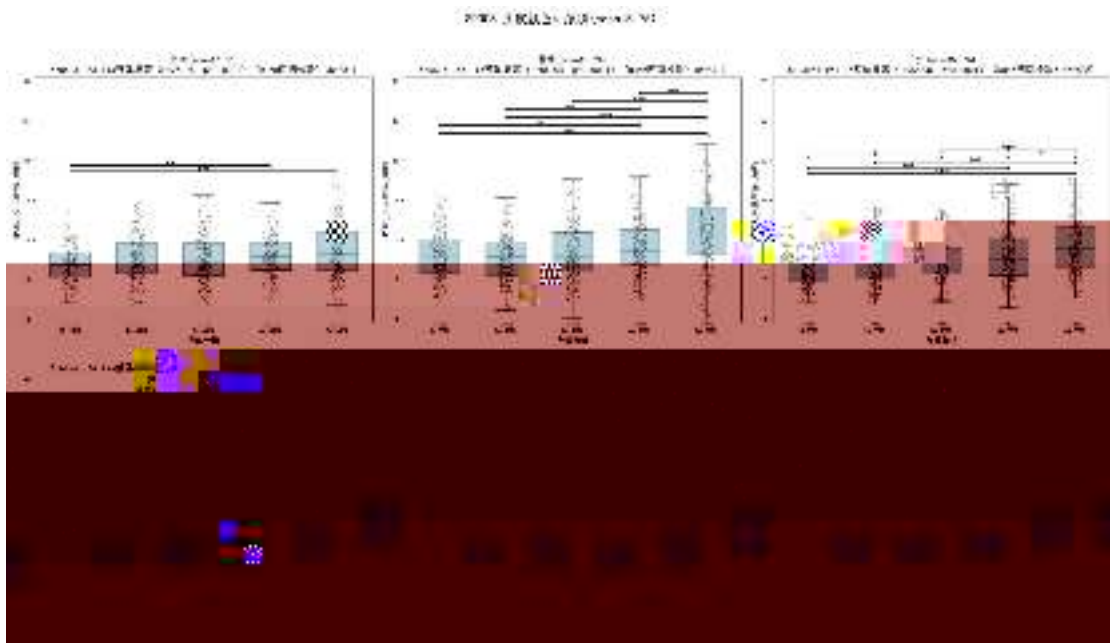
5

TEW pH

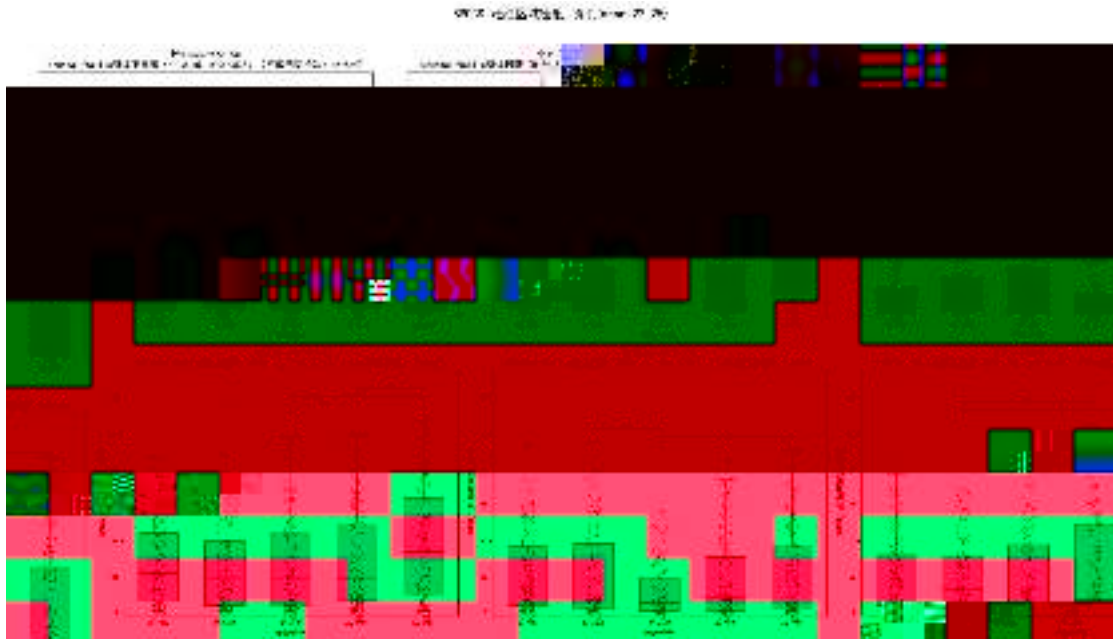
" "

28

1



2 31 SPOCS_ a_



2 32 SPOCS_

" - "

2 32

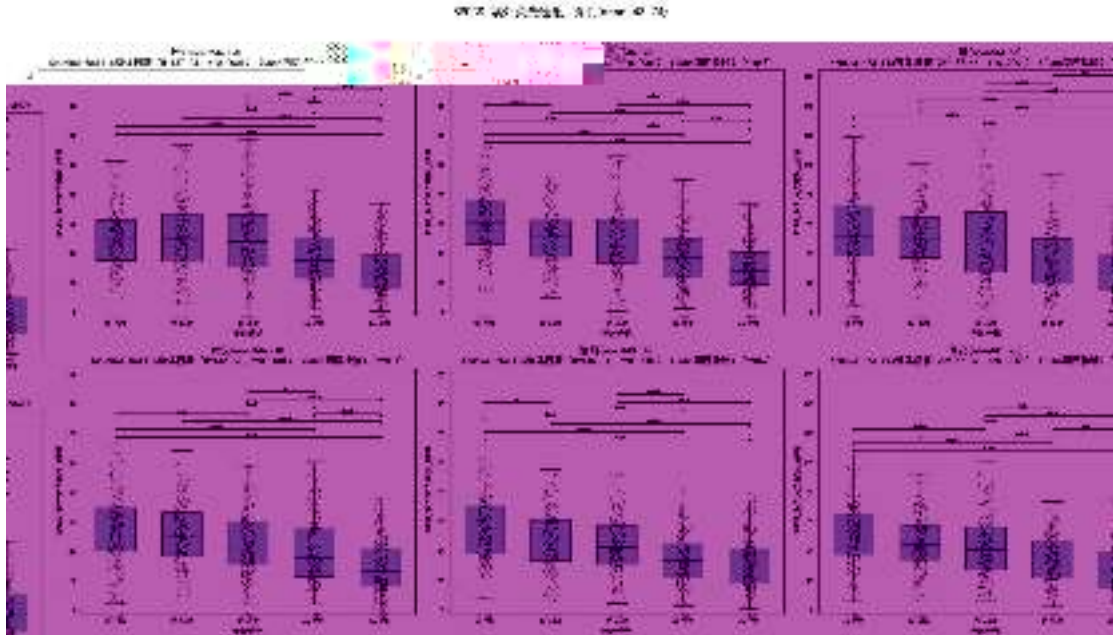
3

2 9

2 9 1

" x "

1



2 33 SP005

2 33

18-35

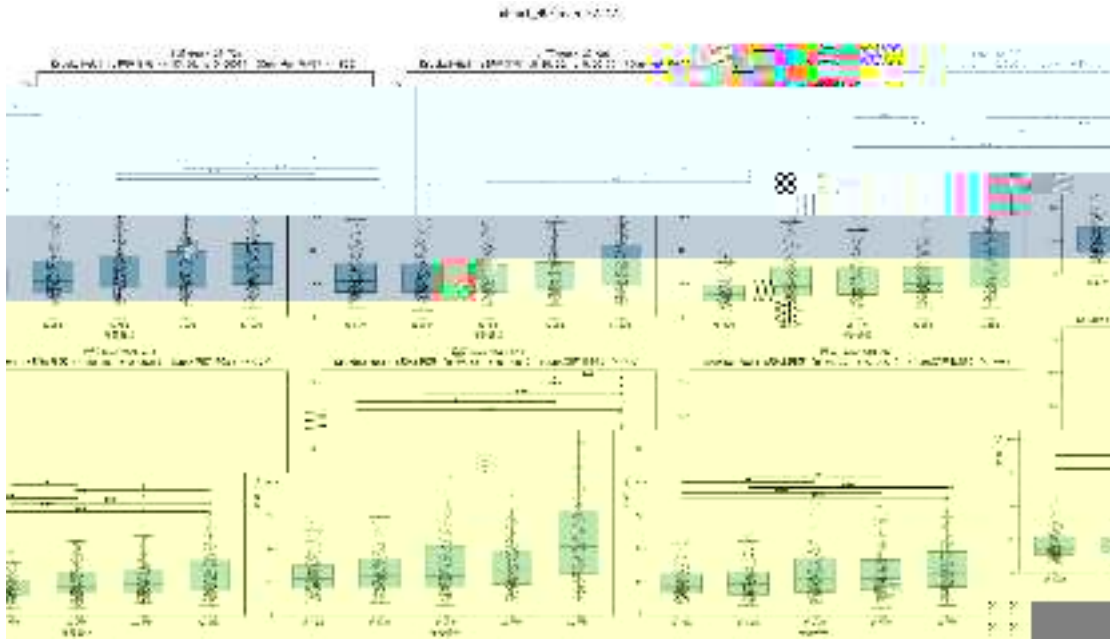
46-65

36-45

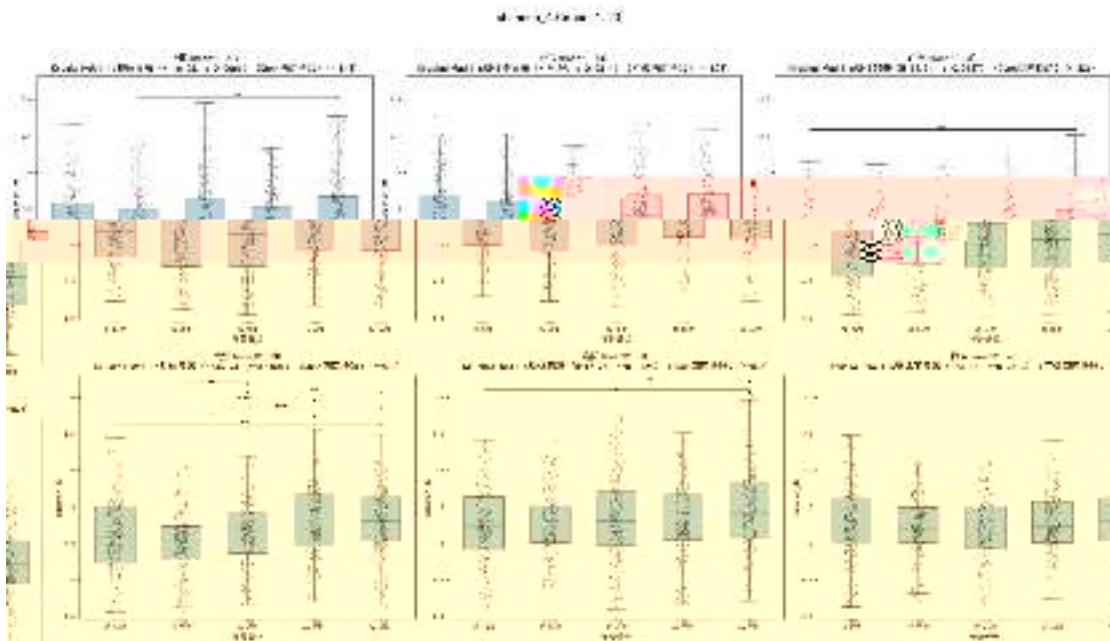
" " " "

" x "

" x "



2 35 chao1



2 36 shannon

Shannon

2 35 2 36

Chao1
Chao1

" x "

2 37 2 38

56- 65

Shannon

18- 25

Chao1

94%

Chao1

chao1

shannon

18 55

3

chao1

shannon

al pha

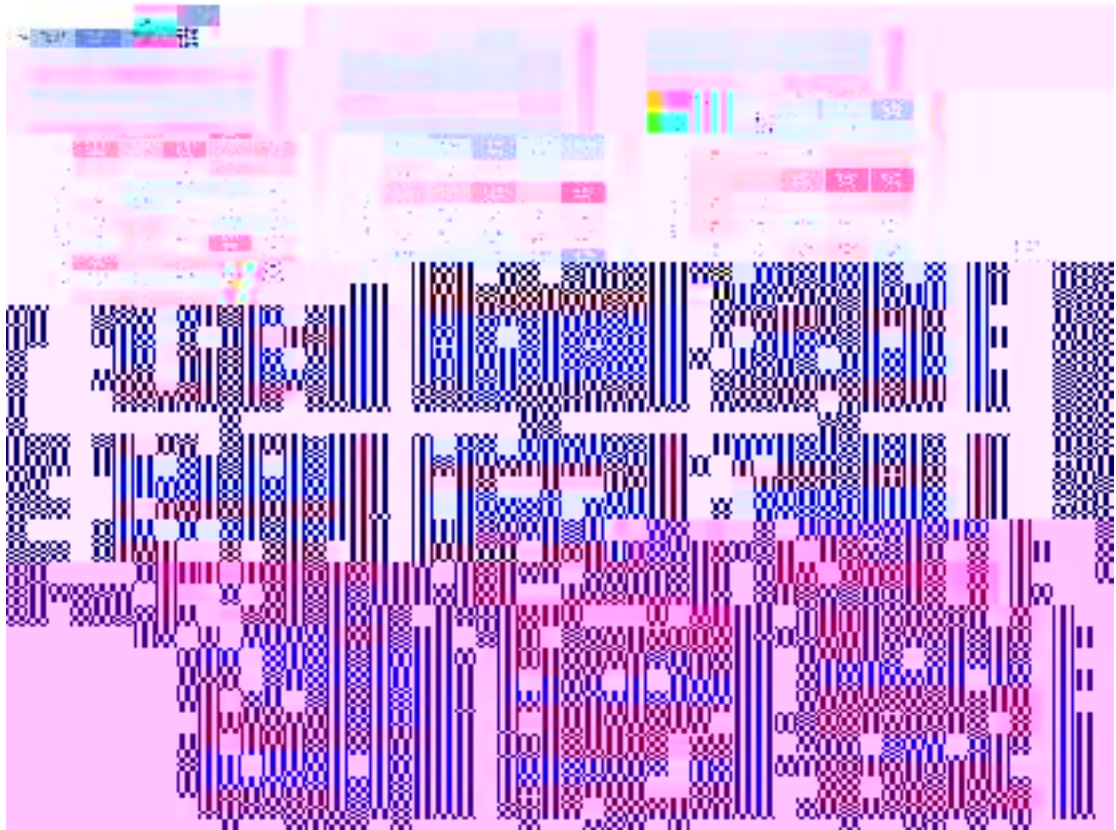
" "

“ ”

“ ”

31

图 2-1 手机银行、网上银行和微信的对比



“ ”

56-65

27

- Q 409 ***

C

" "

3 5 M18_ -

3 2

" "

3 2 1

3 6

1-der anhab_ -

pH	3-pH905_pH_	18-25	-0 236 ***
36-45	46-55	-0 528 ***	-0 544 ***
"	"		

pH 4 5-5 5

" "

pH

46- 55	pH	1	0 54
pH			

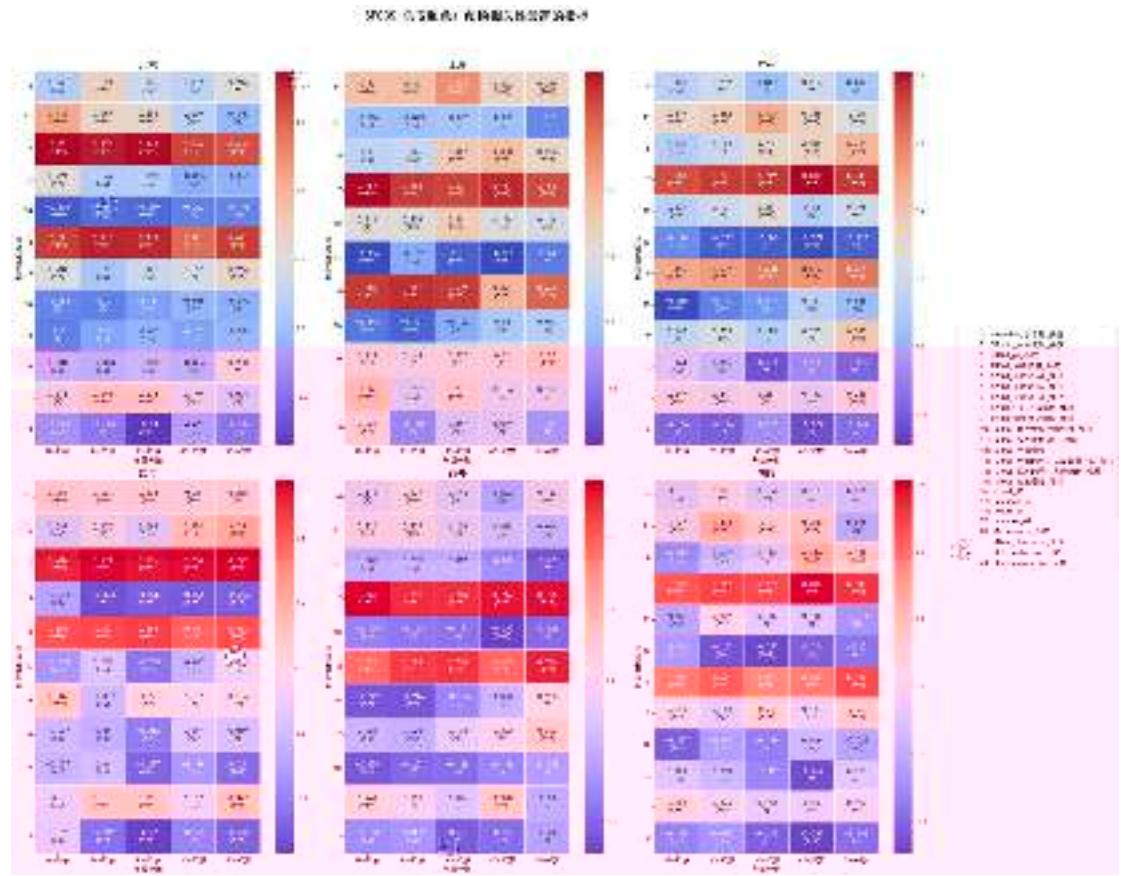
" "

" "

pH

3-pHPO5_pH_L

a



3.7 SPOCS_ a _

3.2.3

3.8

SPOCS_

12-SPOCS_

26-35

-0.4 ***

46-55

-0.448 ***

"

"

"

"

1

46-55

0.45

"

"

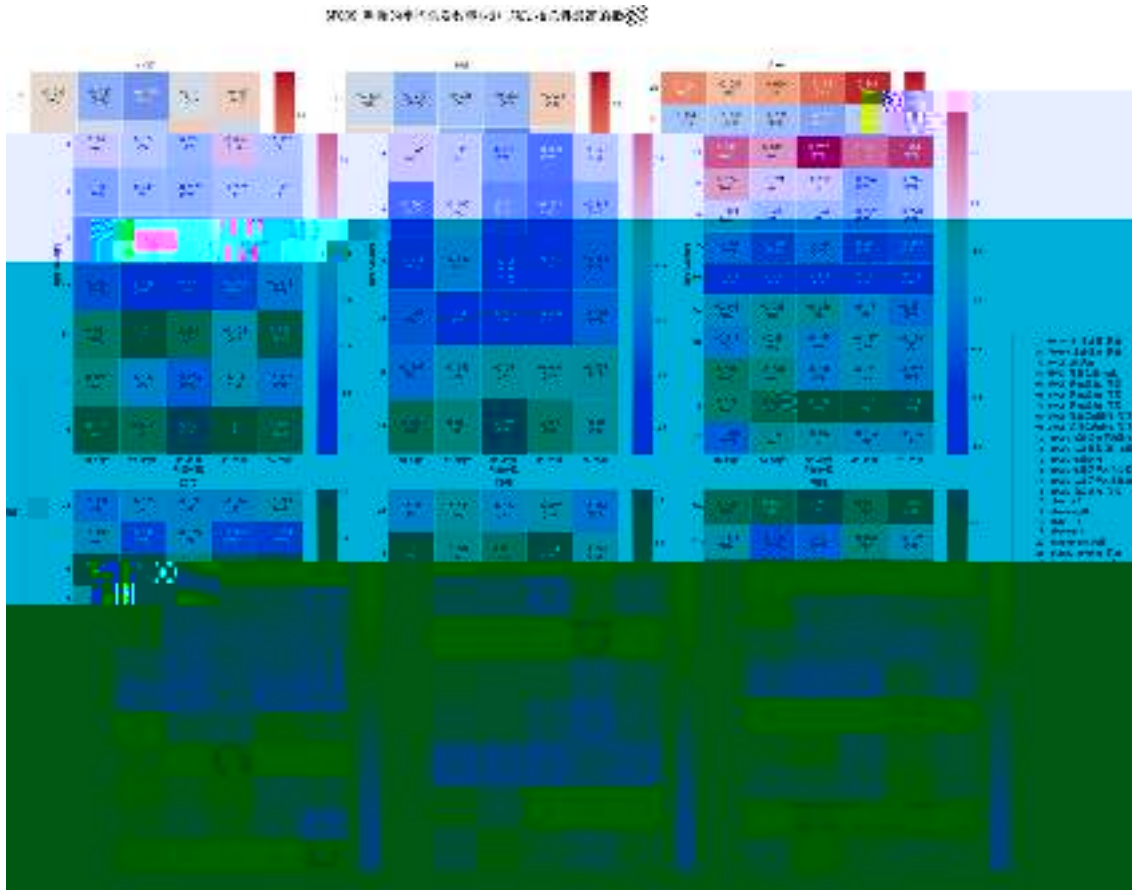
36-45

" "

-Q 386***

" " — 26-35

Q 4



3 8 SPOCS_

3 2 4

3 9

1.

chao1_41 shannon_41

Q 45 56-65 Q 555

" "

"

chao1_41 23-Corynebacteri um

*** 56-65

" "

Q 487 ***

2 /

chao1_41 21-Staphyl ococcus_ 56-65

-Q 36 ***

20-Mil assezi a_ *** 56-65

-Q 385 ***

Chao1

Corynebacteri um

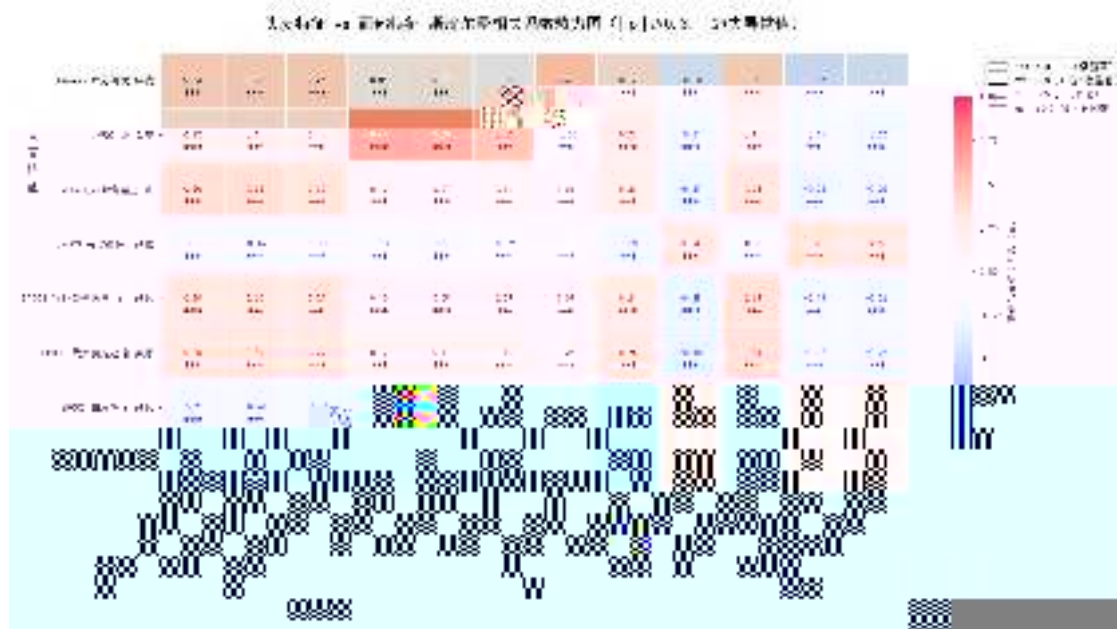
Staphyl ococcus

" "

“ ”

3 3

3 10



3 10 vs Spearmn

3 3 1

a

“ ”

“ ”

3 3 2

NB56Q_

Sebunster_

“ ”

335

41

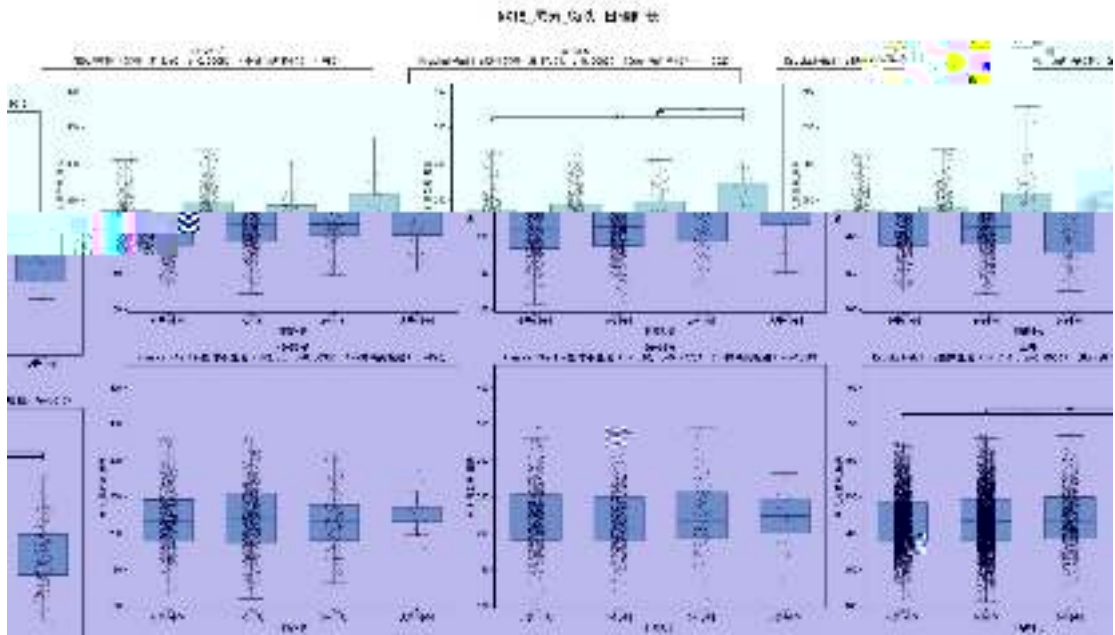
" "

" "

+

45

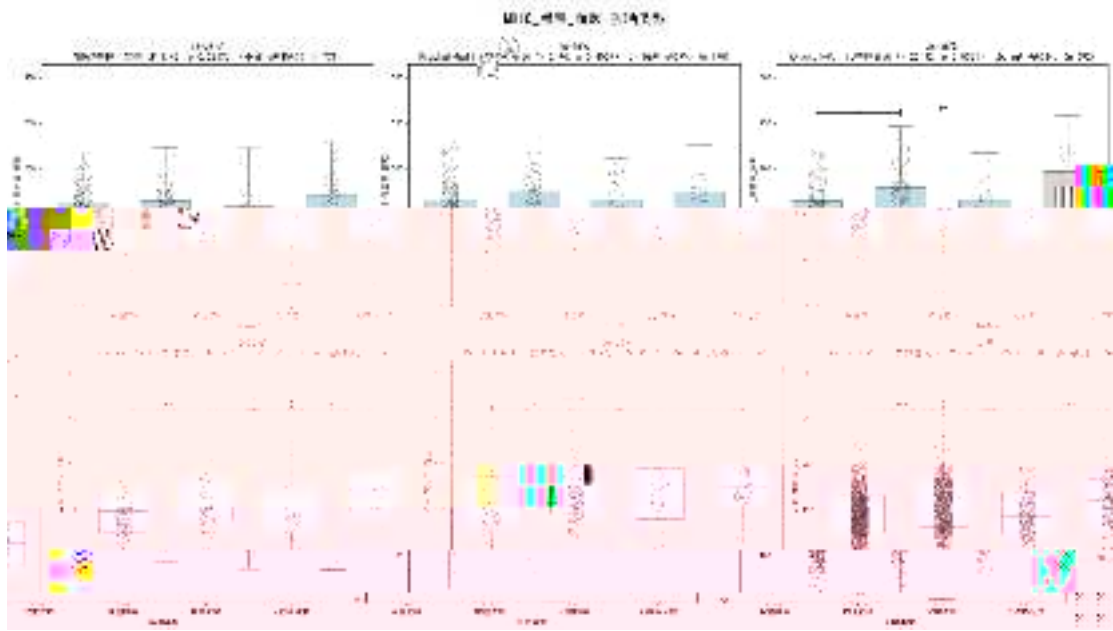




4.1.2 X18_ _ X

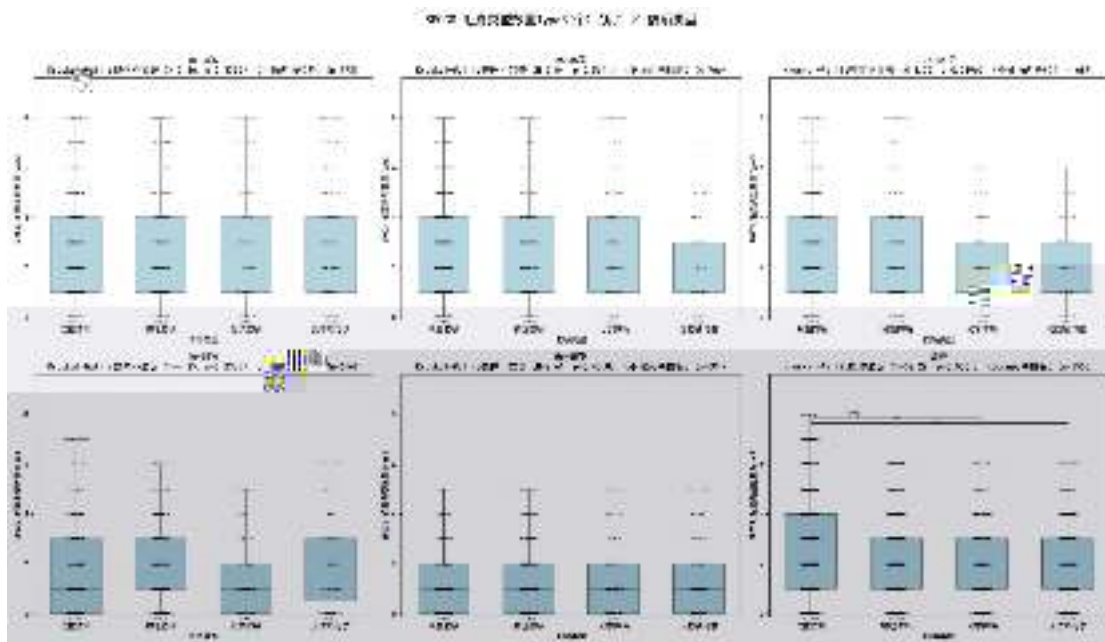
UVA

" "



4.1.3 M18_ _ X

“ ”



4.1.4 SPOCS_ Type3 X

“ ”

3

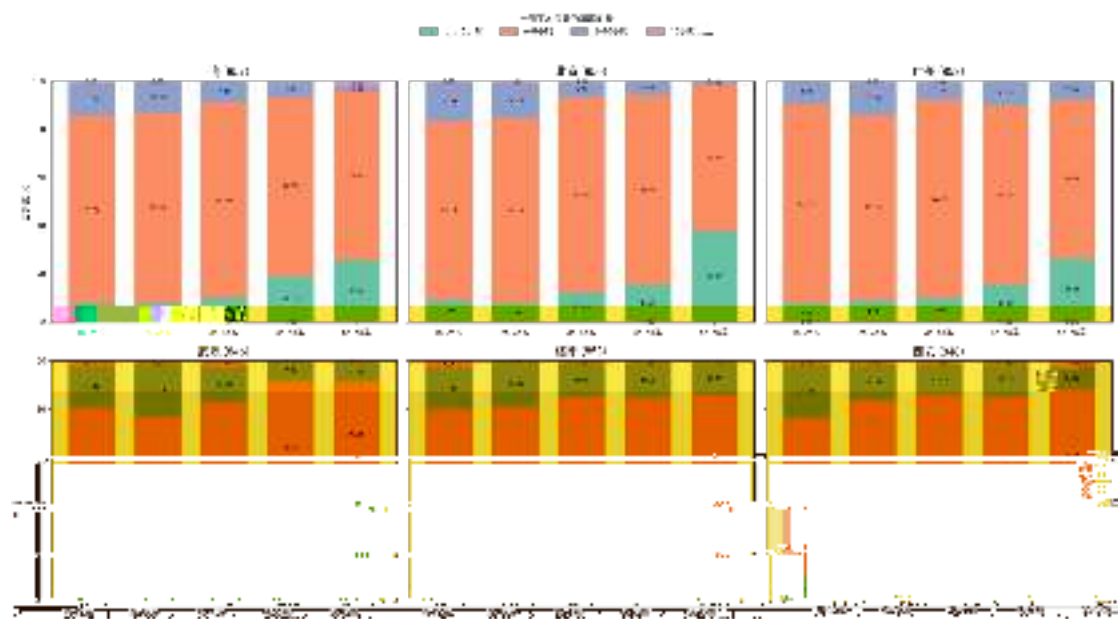
4 2

6

23%

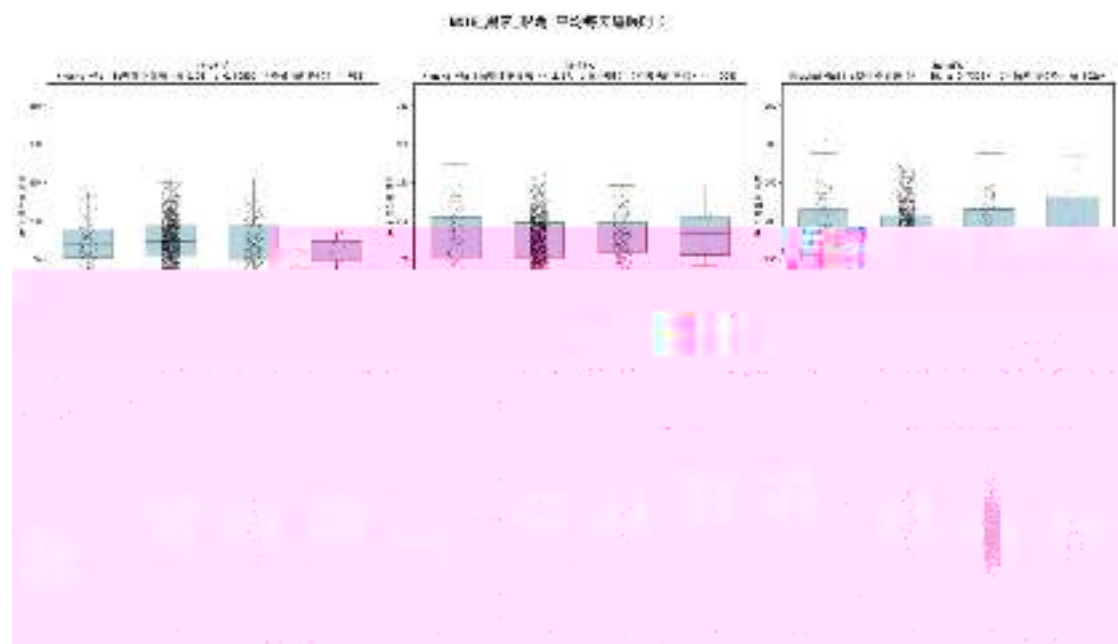
—

16%

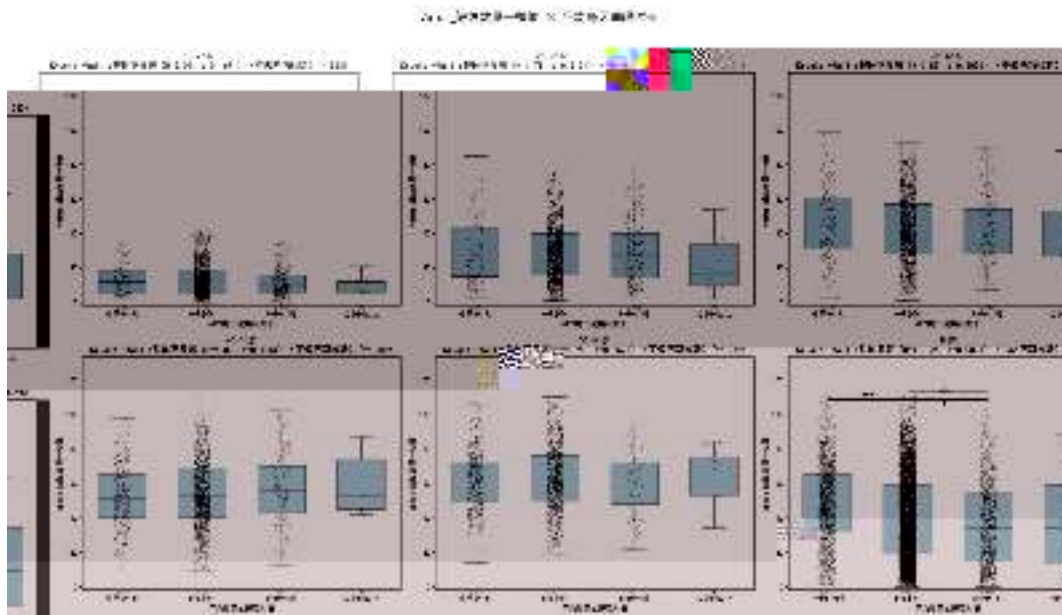


4.2.1

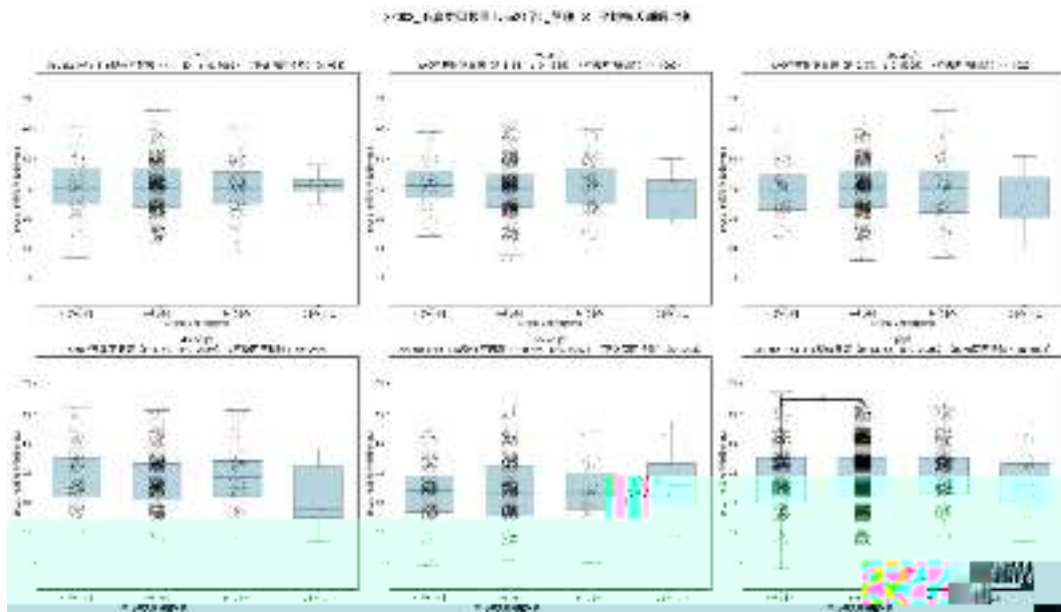
1



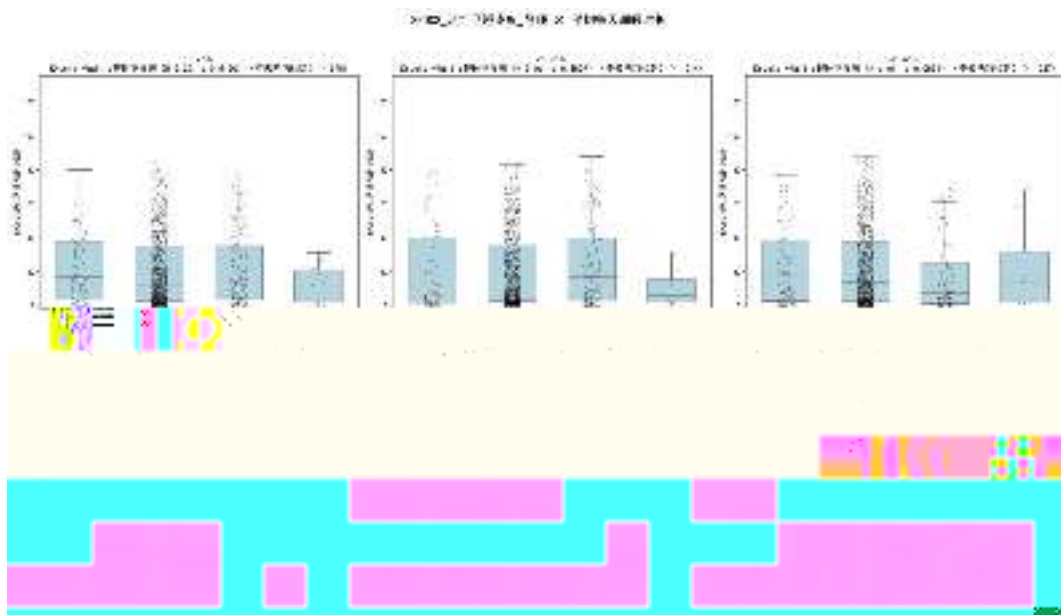
4.2.2 TN18_ _ X



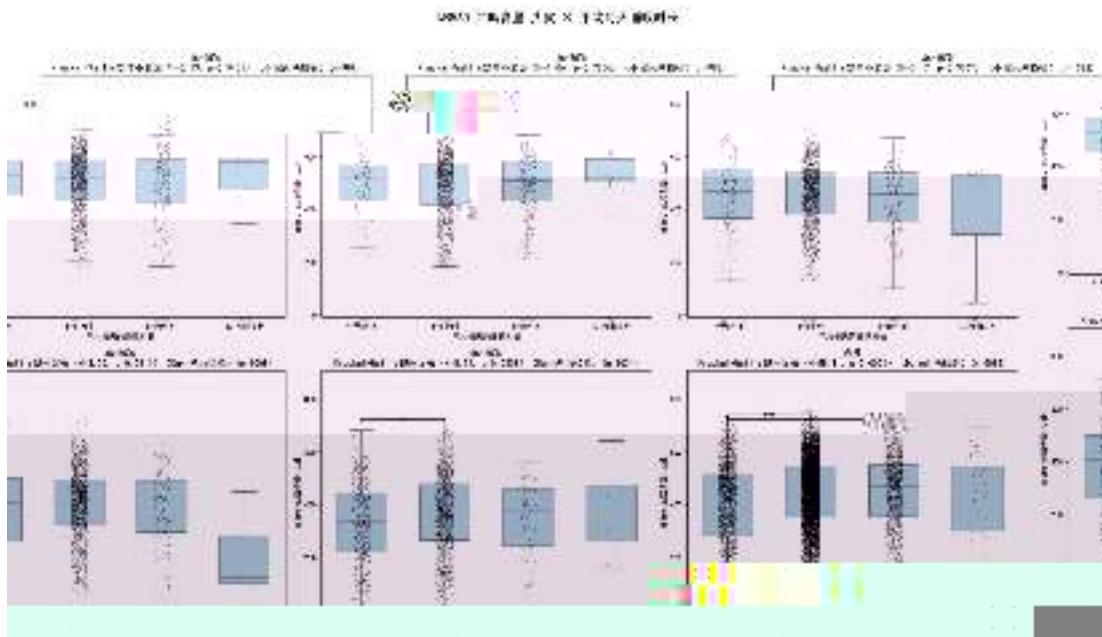
4.2.3 Vplus_ -- X



4.2.4 SPOCS_ Type2X

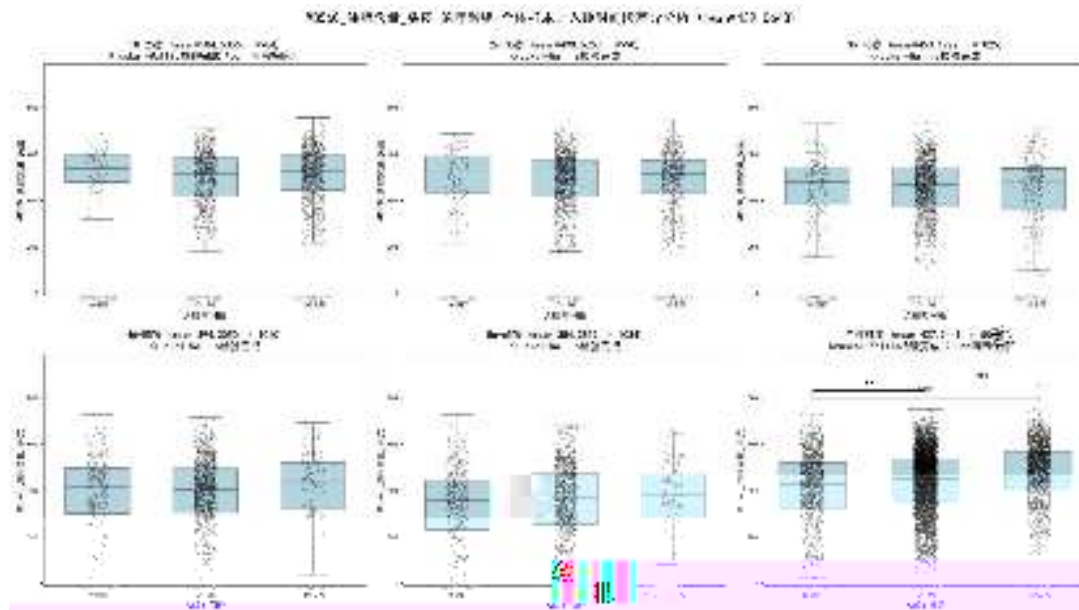


4.2.5 SPOCS_ X



4 2 6 M560 - X

6 6 8
 8 10
 10
 6 18 25
 26 35 6
 10 36 45 10
 46 55
 56 65 6 8 10
 6 8 10
 8 10



4 2 7 NB560 - X

12

10

10

10-12

12

12

18-25

10

12

26-35

10-12

12

36-45

10

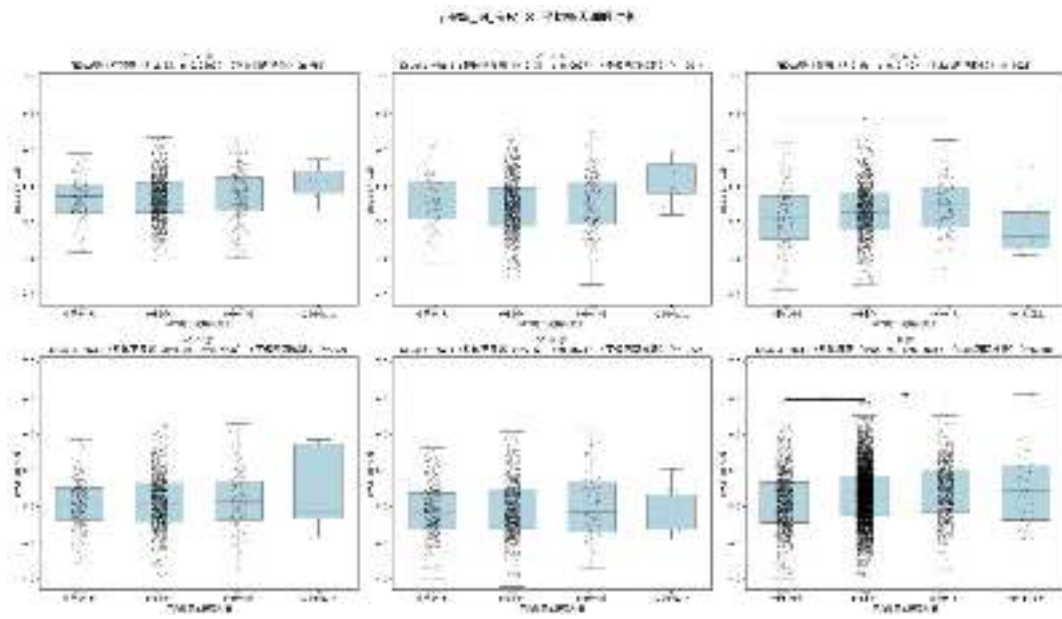
12

46-55

12

56-65

12



4.2.8 pH₀₅_pH X

pH

8 10 6 6 8 pH pH 10 pH

pH 18 25 pH 10 10 pH 10 pH 26 35 pH 10 10 pH 36 45 10 pH 6 8 8 10 pH 46 55 pH 56 65 pH 10 pH

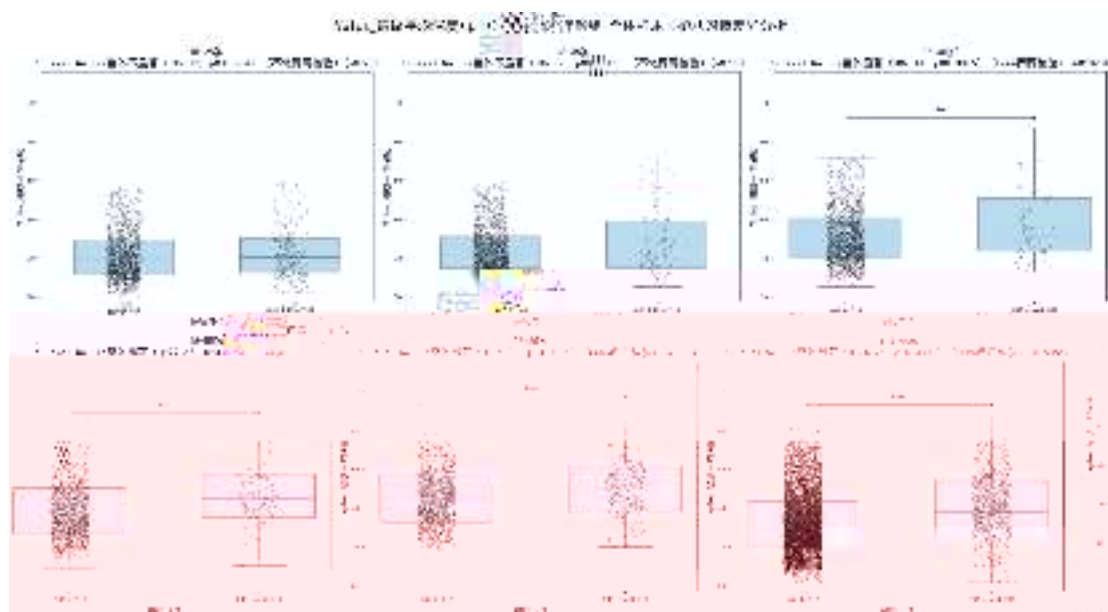
6 10

H

43

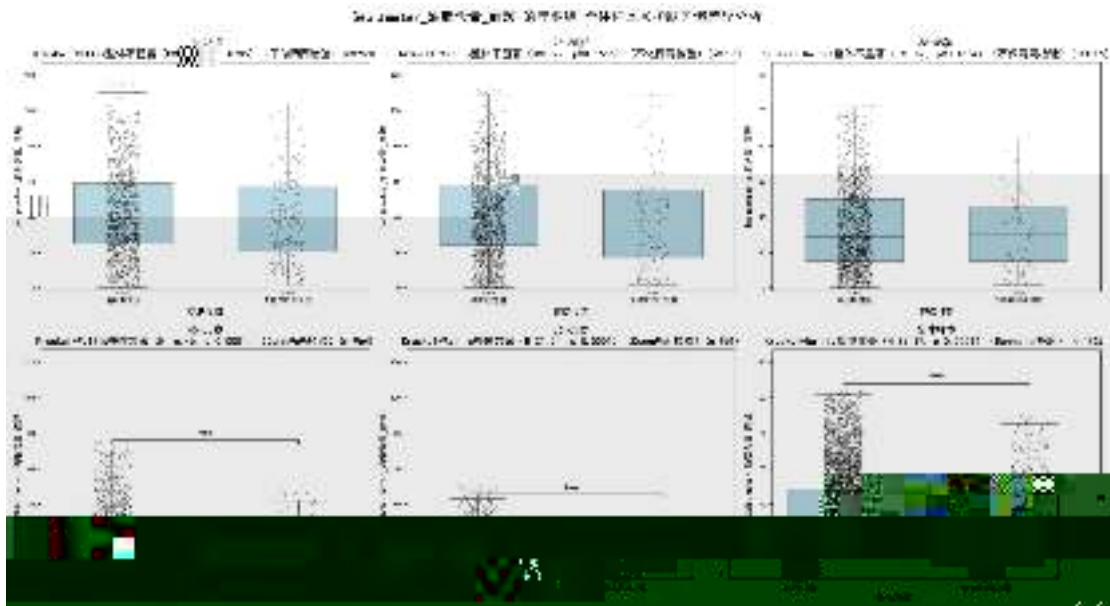


4.3.2 0825_ X



4.3.3 Vpl us_ X

“ ”



4 3 4 Sebneter_ _ X

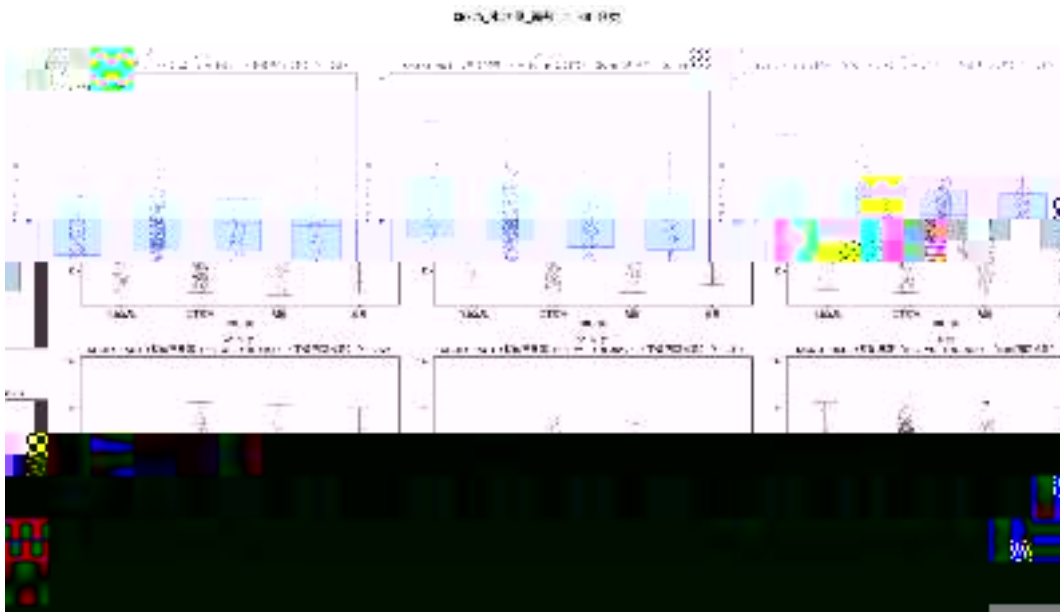
4 4

5000
 BMI
 BMI 18 5 / BMI 24 0
 BMI 18 5-24 0 " "

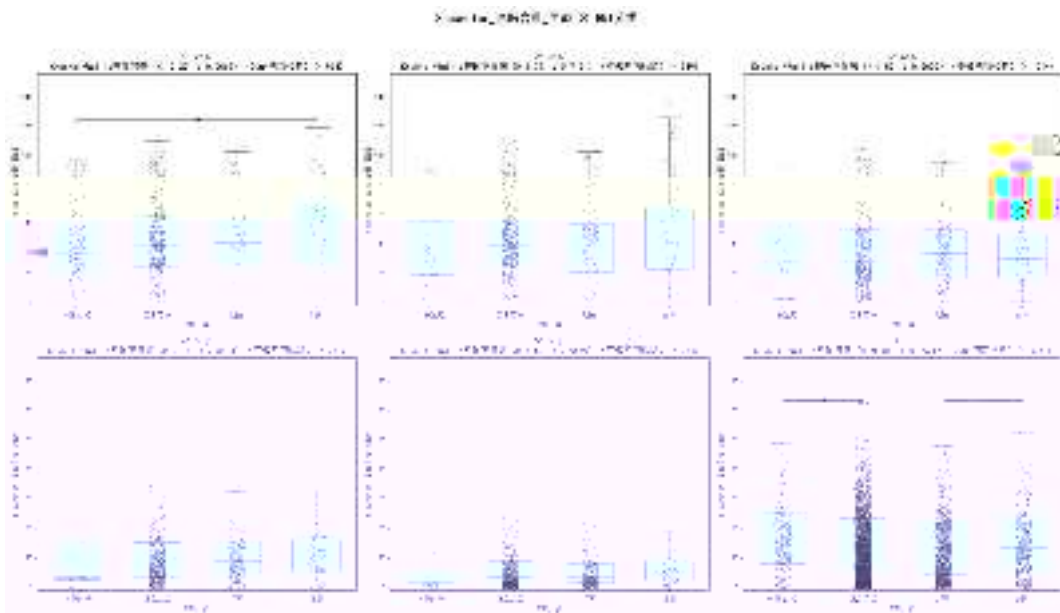
1

" " BMI

" "



4.4.1 Ov25_ _ X BMI

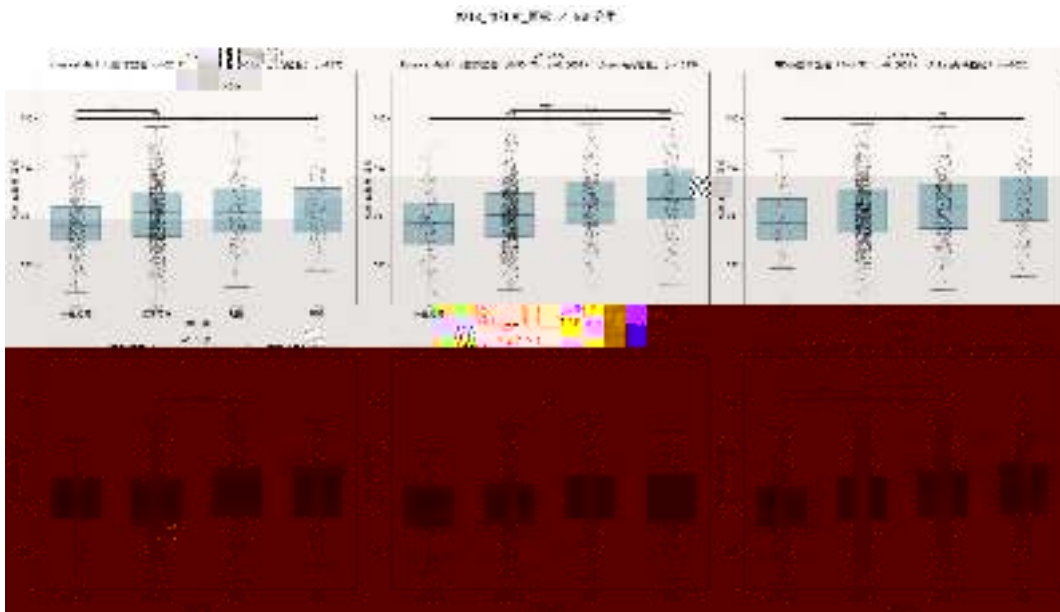


4.4.2 Subunter_ _ X BMI

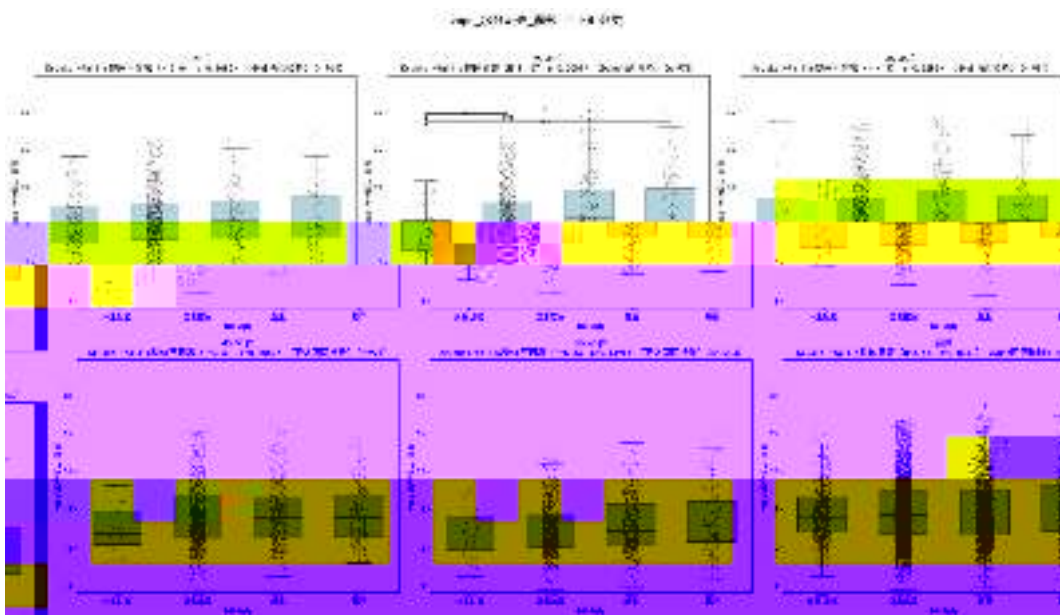
BMI

24.0

BMI

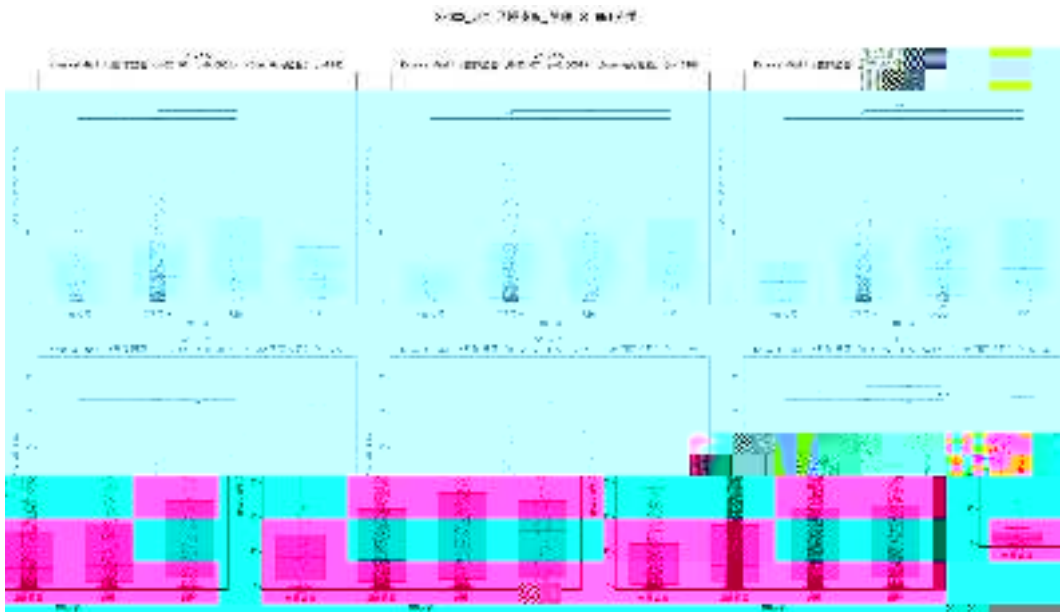


4.4.3 vapo_ X BMI

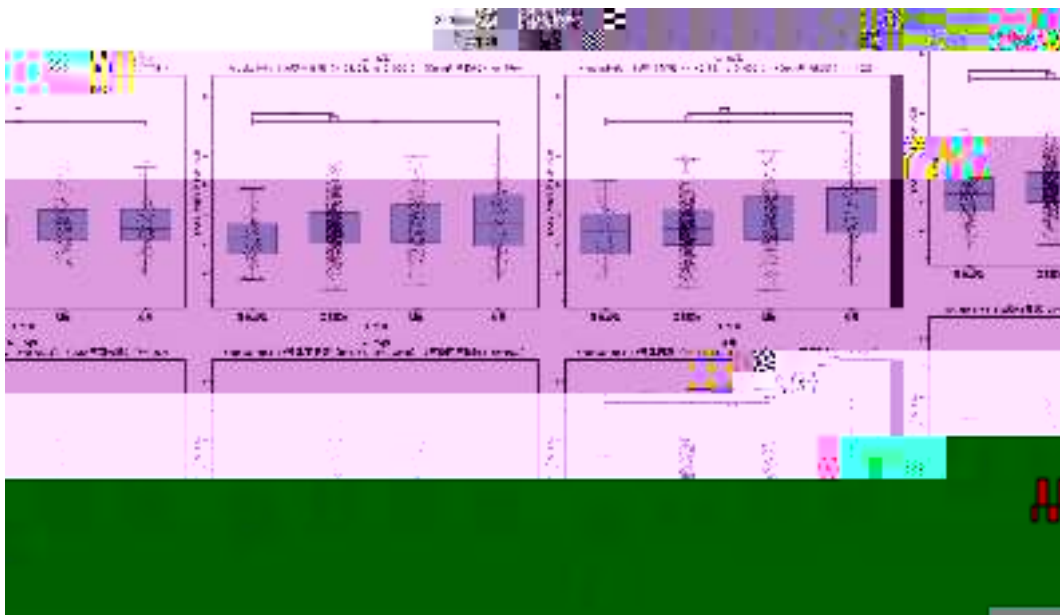


4.4.4 vapo_ X BMI

				BMI	
	Lab	L	BMI		a
		"		"	
			BMI		
BMI					
"	"				
				BMI	



4 4 6 SPOCS_ X BMI



4 4 7 SPOCS_ X BMI

BMI

BMI

Lab

a

b

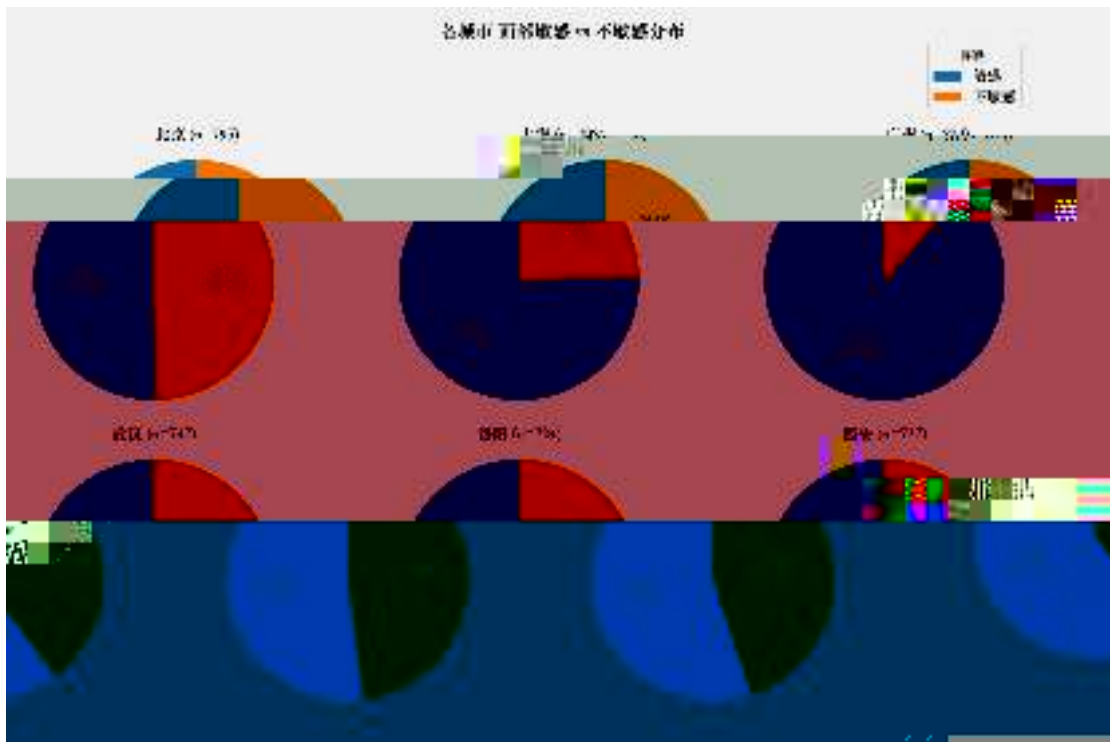
3

BMI

BMI

4.5

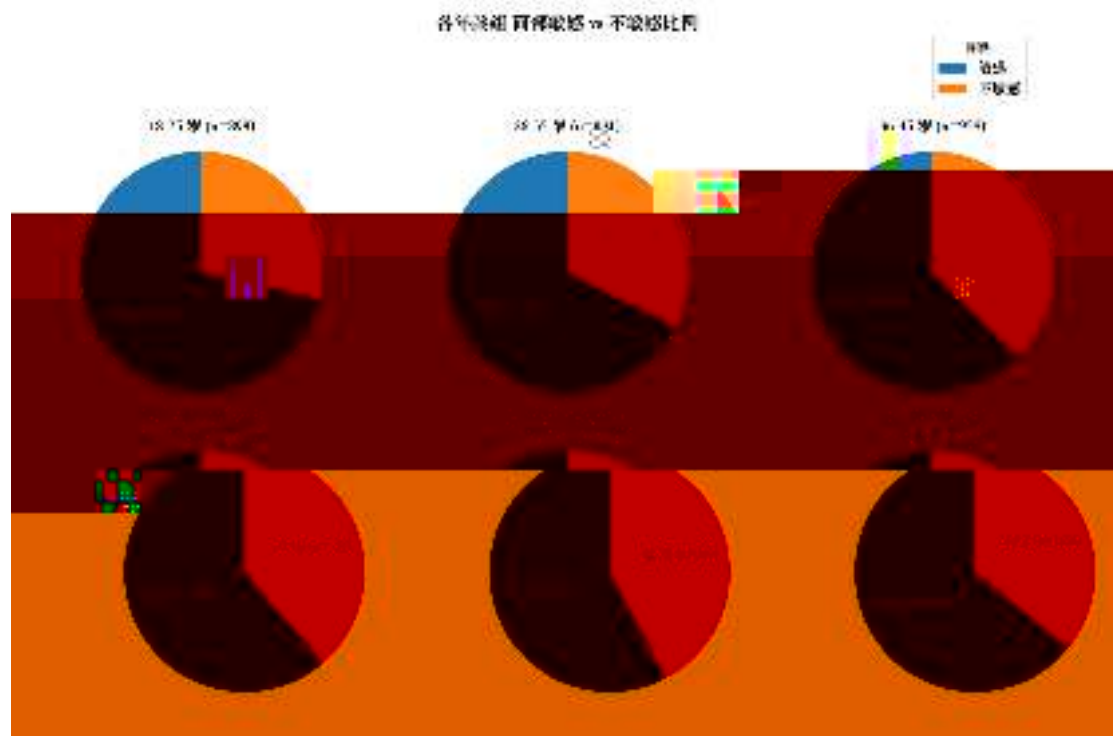
4.5.1



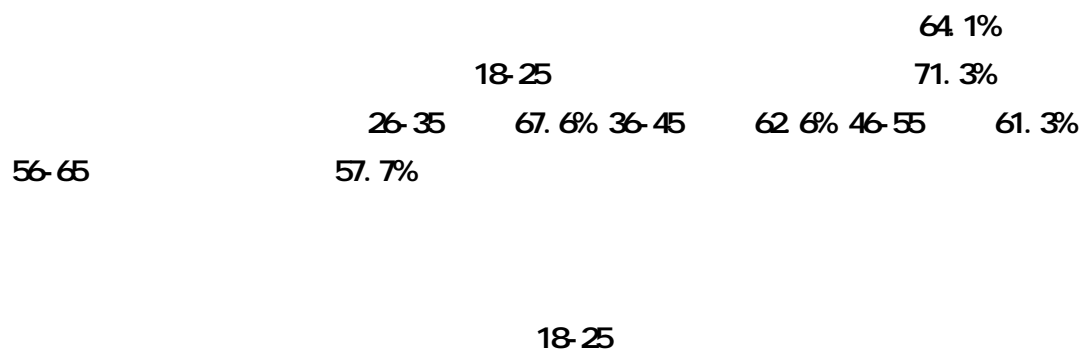
4.5.1



4 5 2



4 5 2



4 5 3

不同肤质类型及总体面部敏感 vs 年龄段分布



4 5 3

61.5%

60.7%

67.7%

50.6%

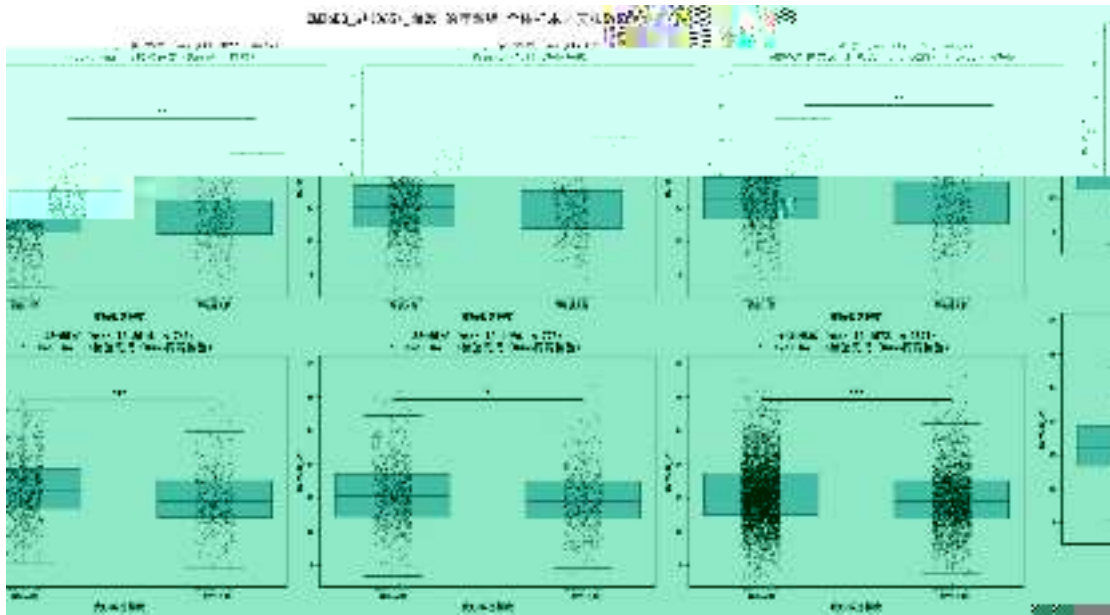
72.7%

72.7%

50.6%

4 5 4

1



4.5.4 D65 _ X

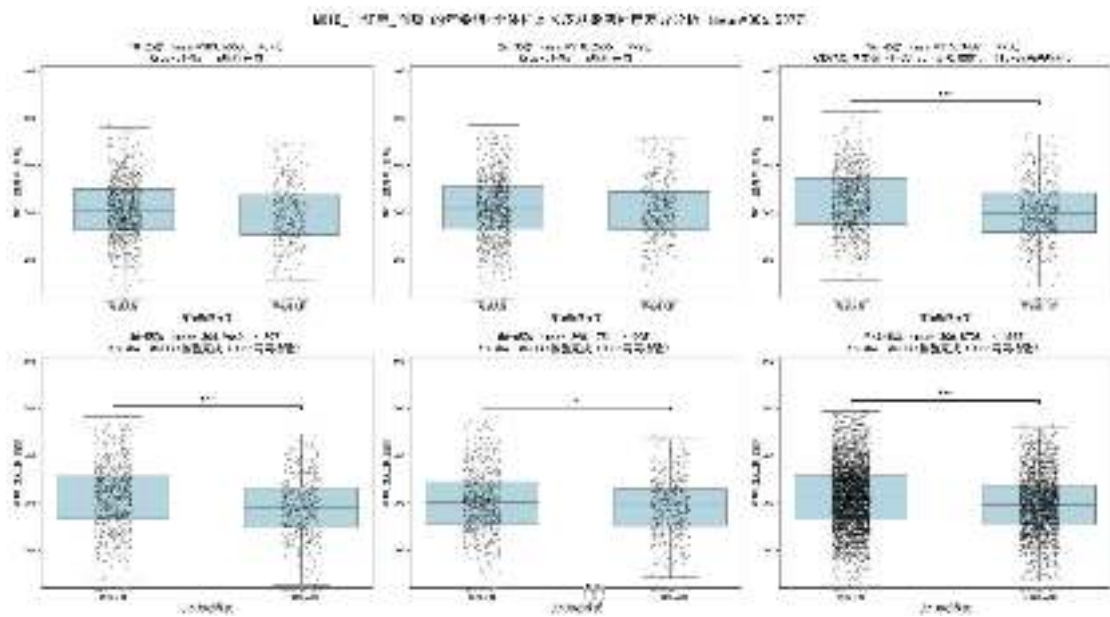
Q E Lab

a

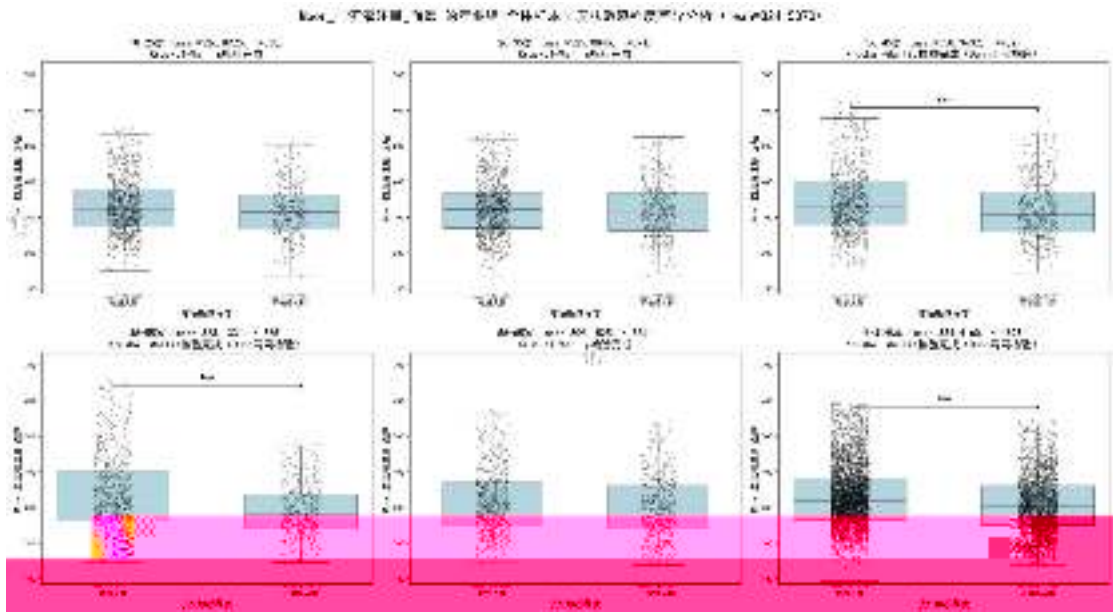
b

L

a



4.5.5 M18 _ X

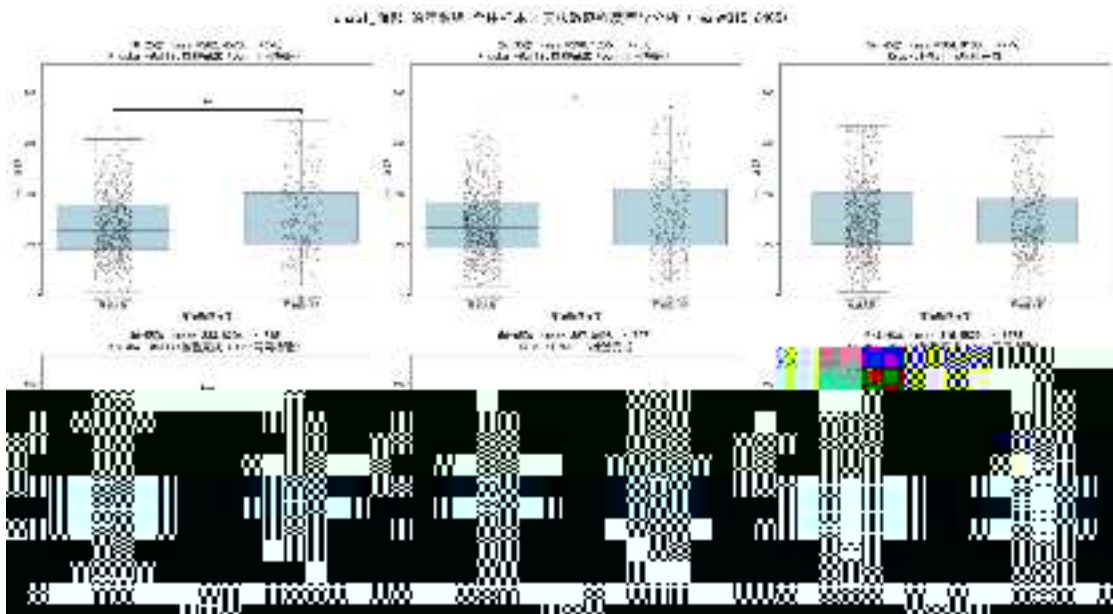


4 5 6 Mor_ _ X

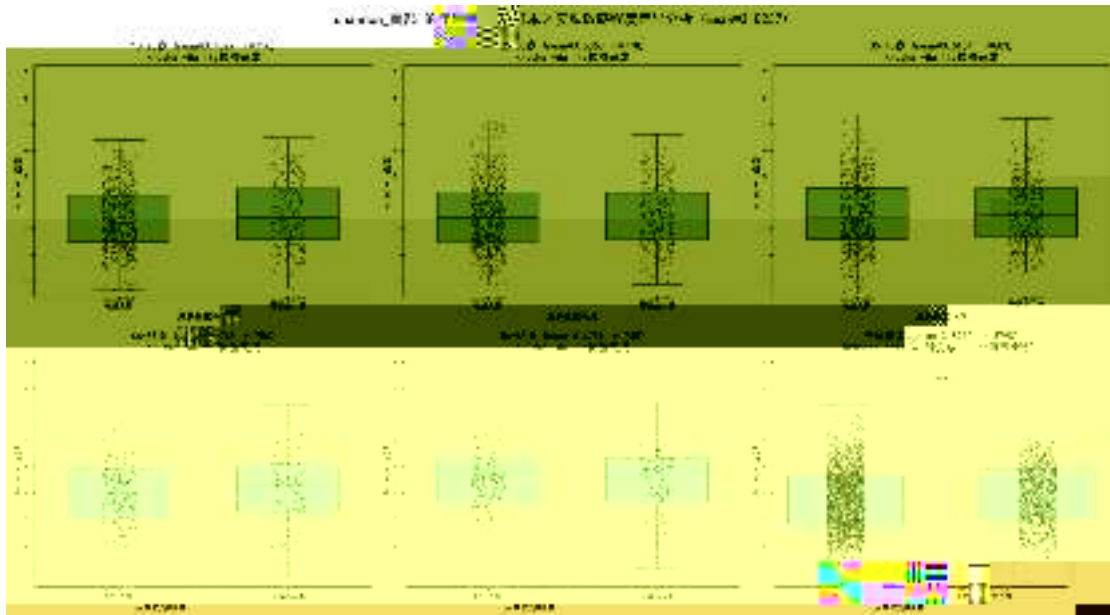
4 30

4 30

2



4 5 7 chao1_ X



4.5 8 shamon_ X

Chao1

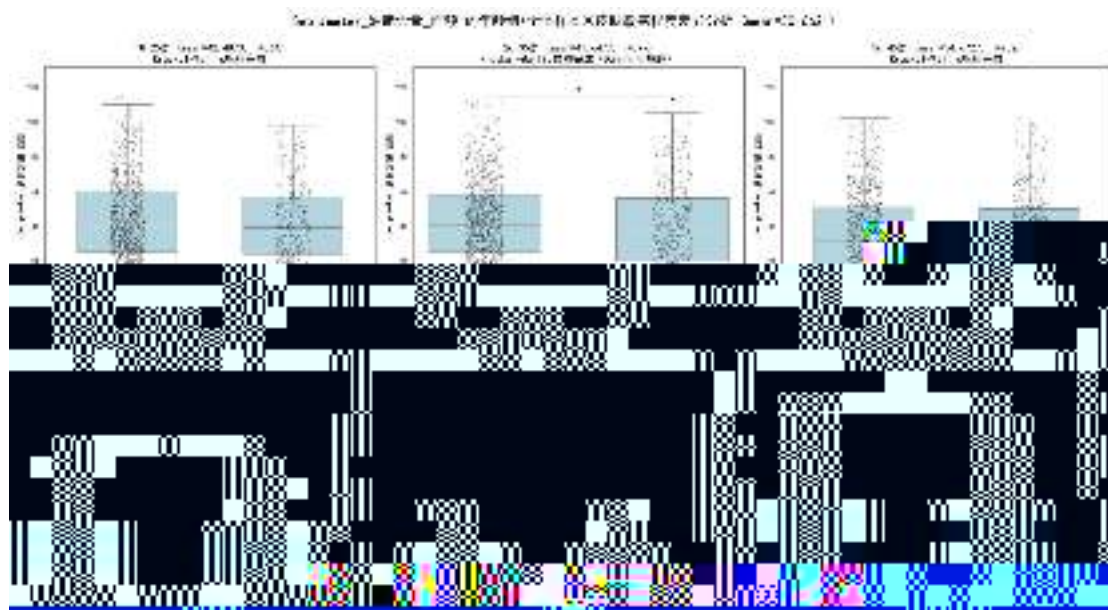
Shannon

pH

TEV

“ — — — ”

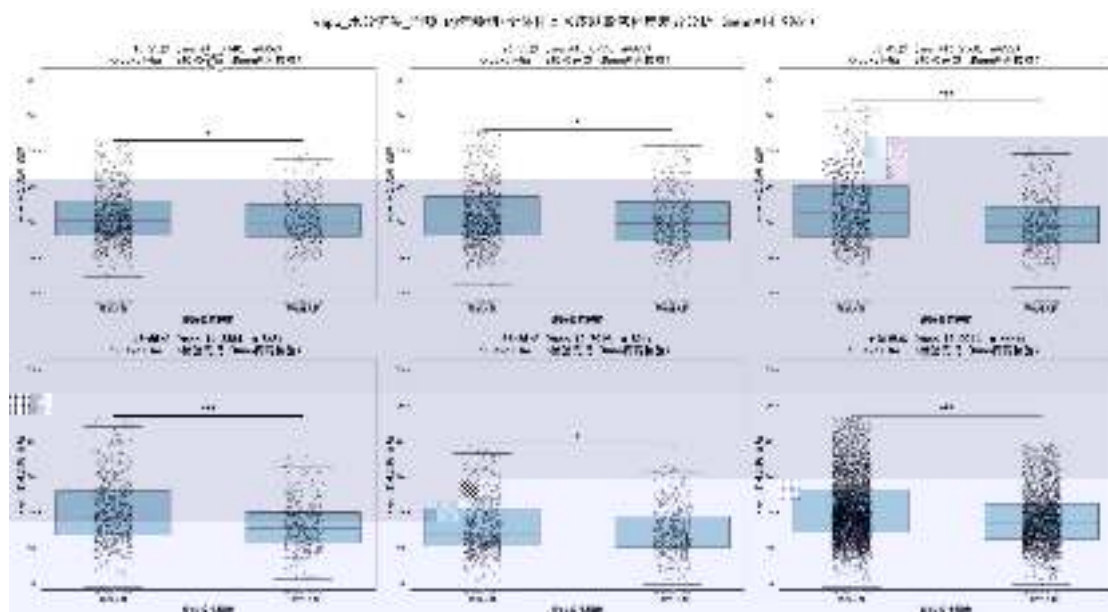
3



4 5 9 Sebuter_ _ X

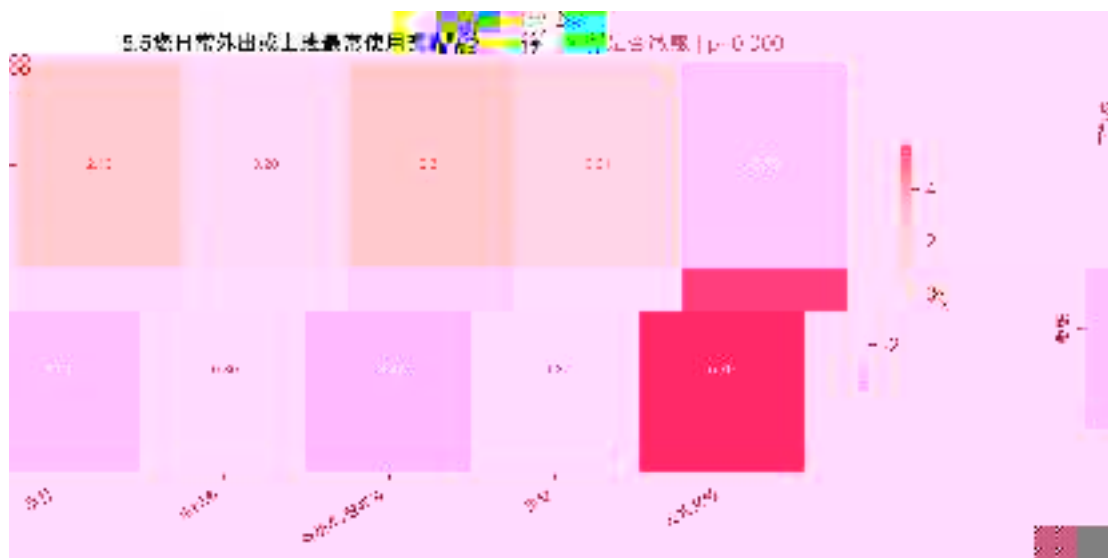
TEW

TEW



4 5 10 vapo_ _ X

4 5 14 X



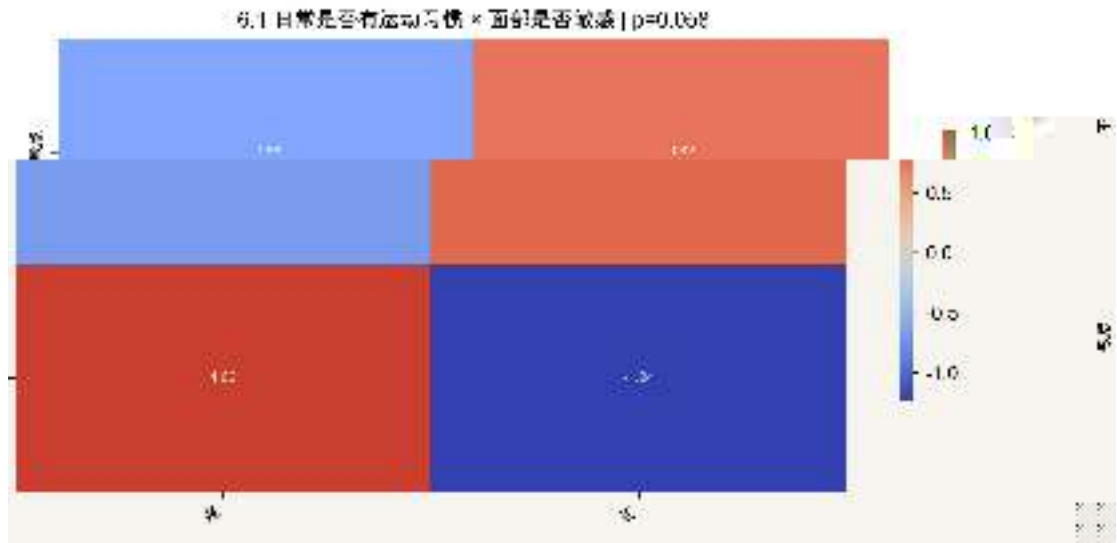
4 5 15 X

" 1 " " 1- 2 " " 2- 4 "

OR " + "

" OR 1 "

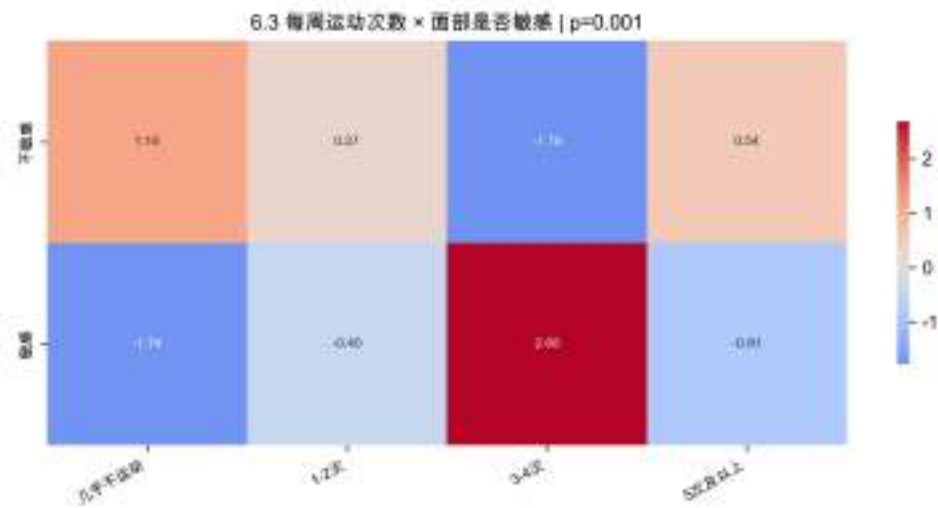
3



4 5 16 X



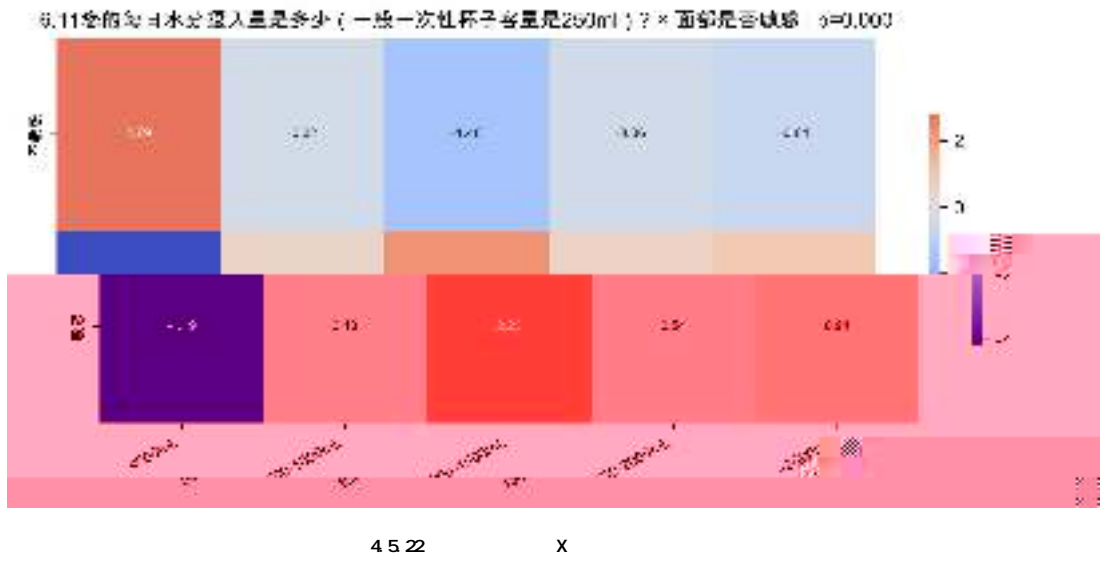
4 5 17 X



4 5 18 X



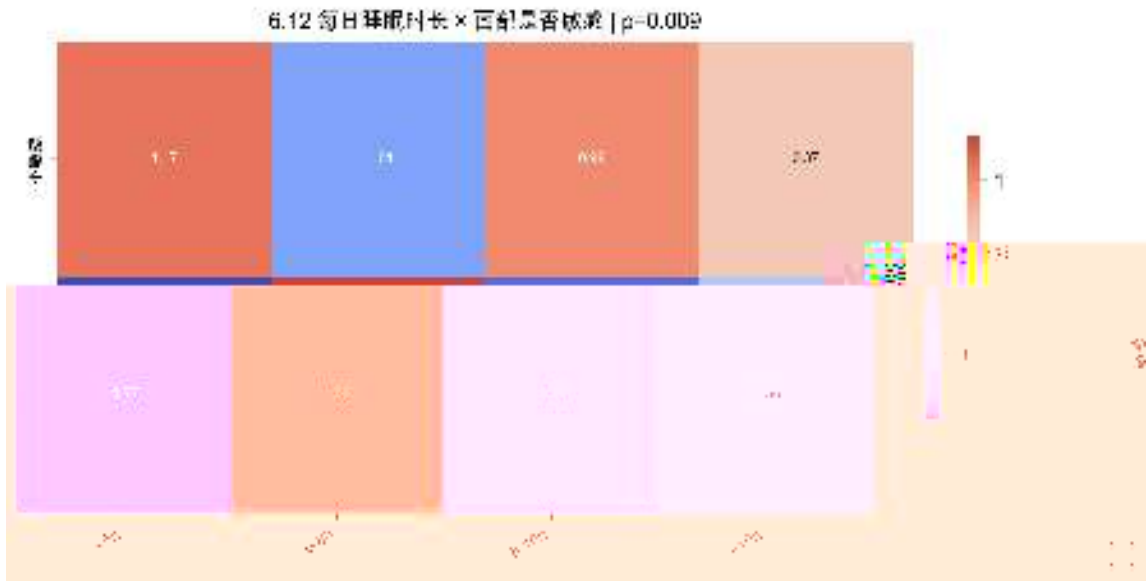
4 5 19 X



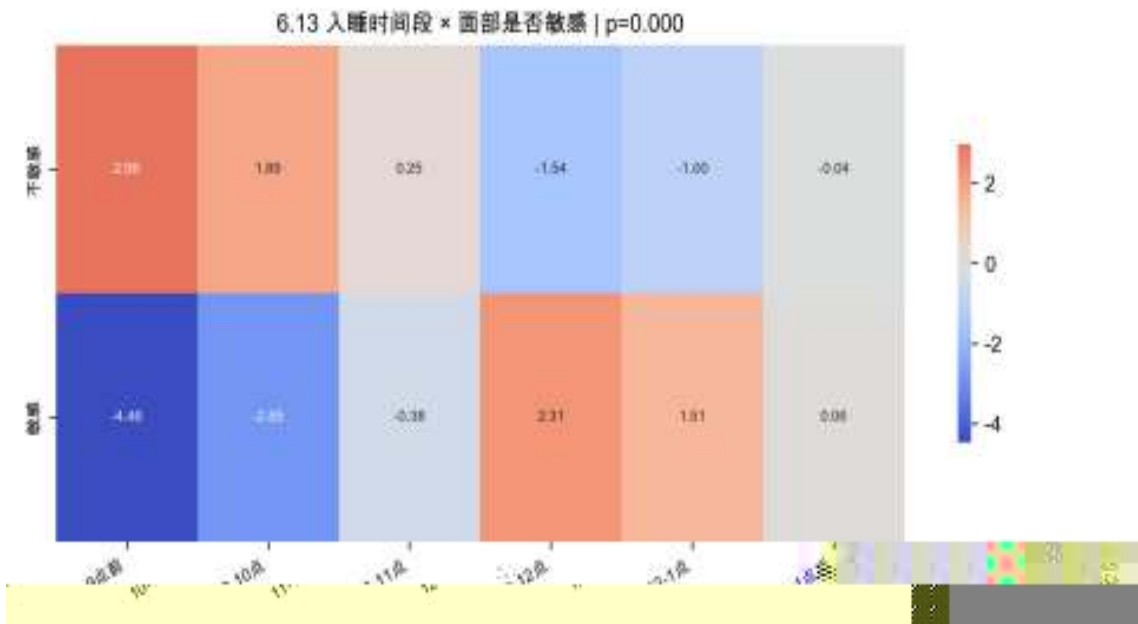
3- 6

1000nh

500 nh



4 5 23 X



4 5 24 X

6 12

6

8- 10

6- 8

6 13

9

9- 10

11

11- 12

12 - 1

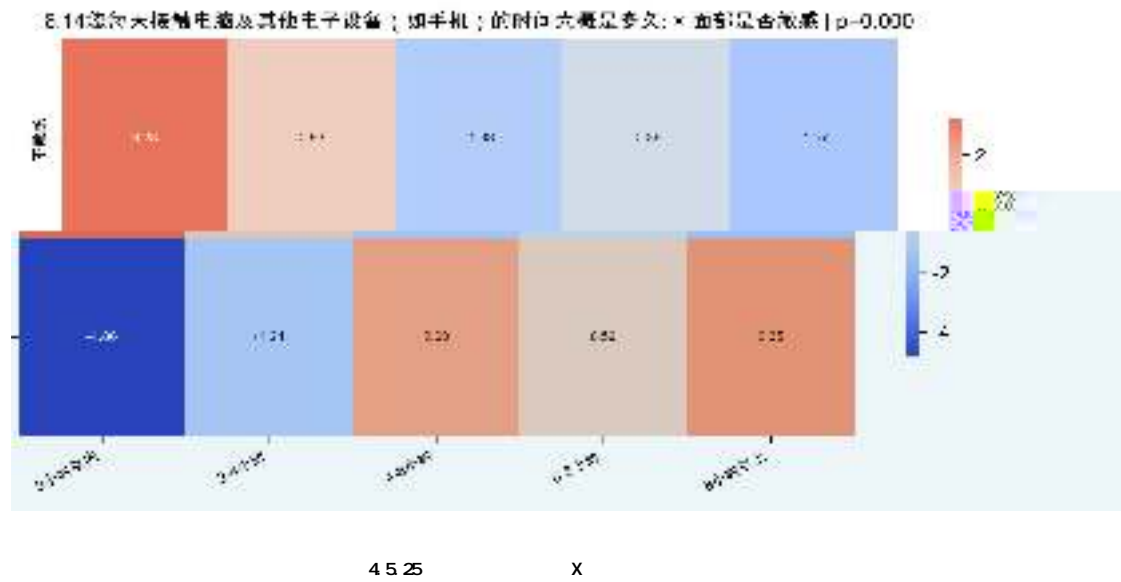
"

"

”

”

6

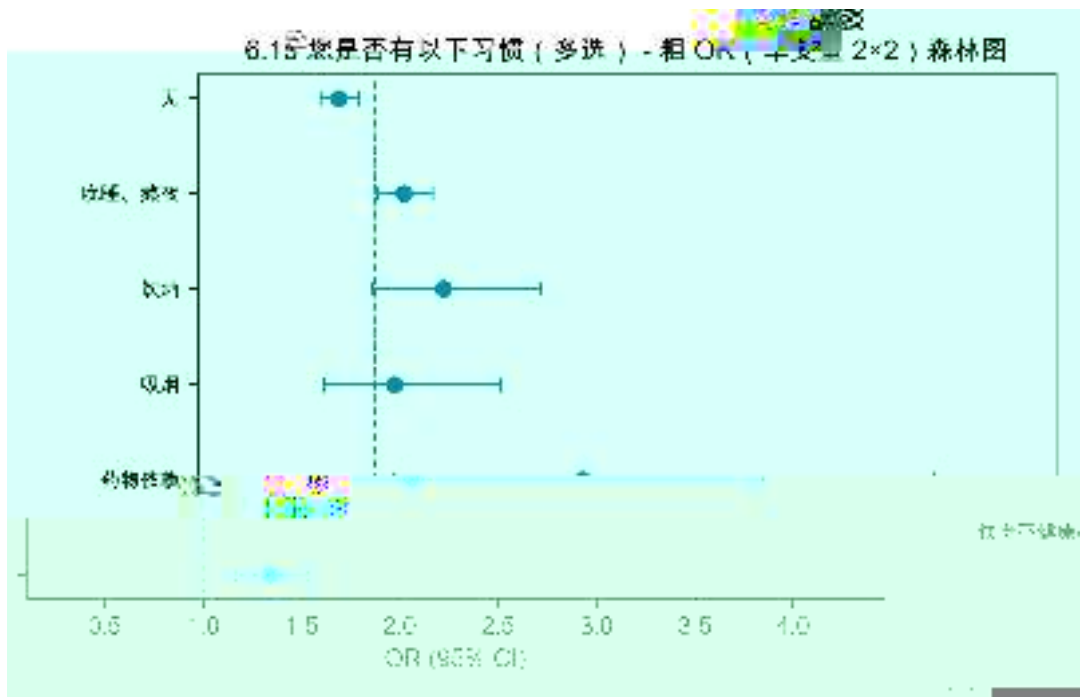


2

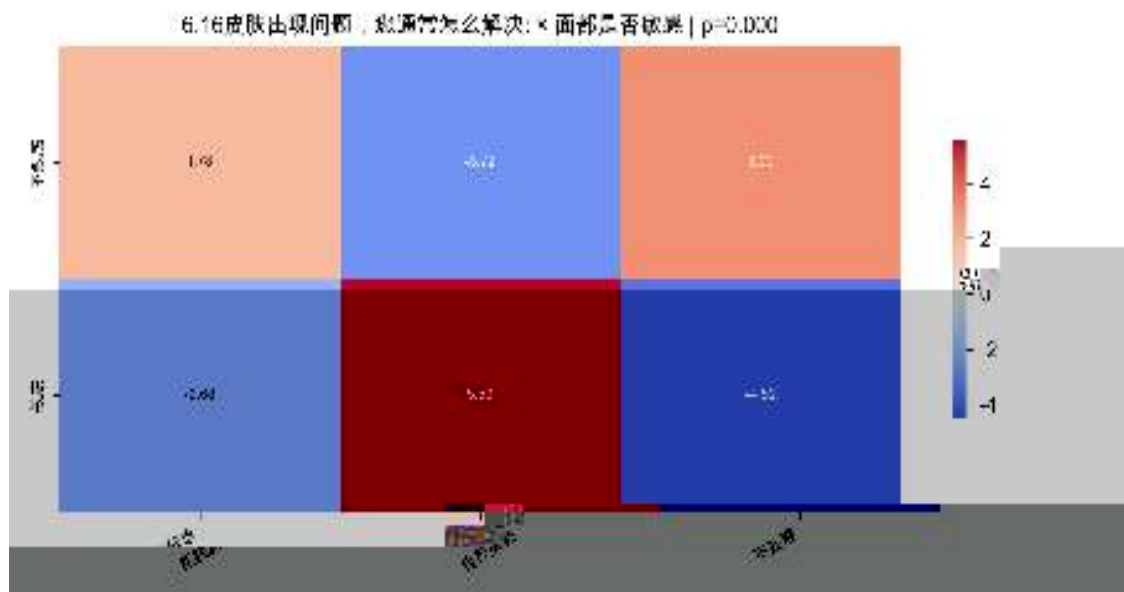
4 6

8

7



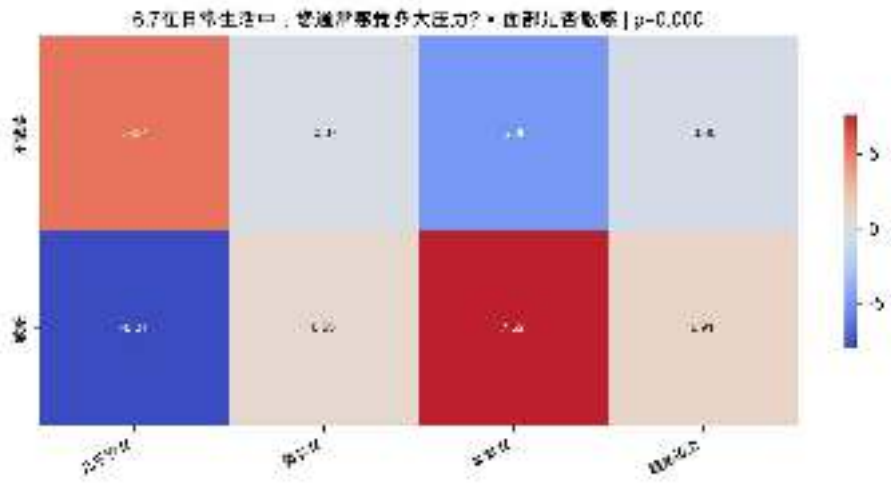
4 5 26 X



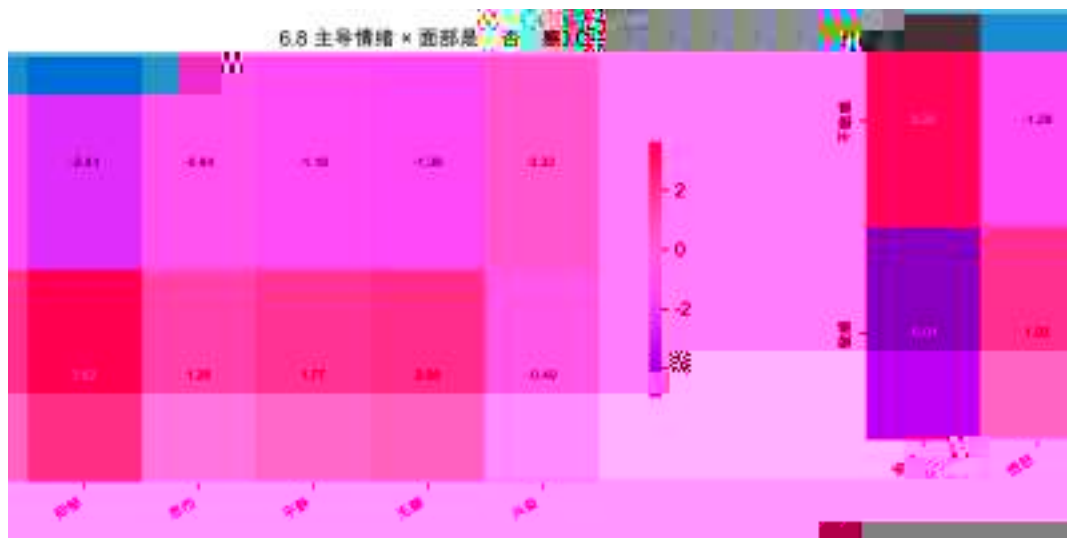
4 5 27 X

6 15 " " " " " " / " OR

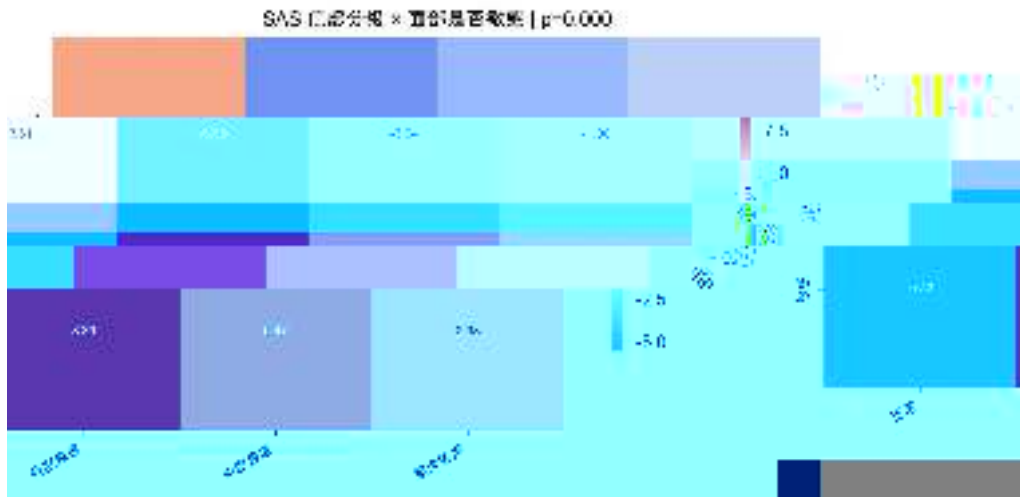
8



4 5 28 X



4 5 29 X



4.5.30 SAS X

SAS

"

"

"

"

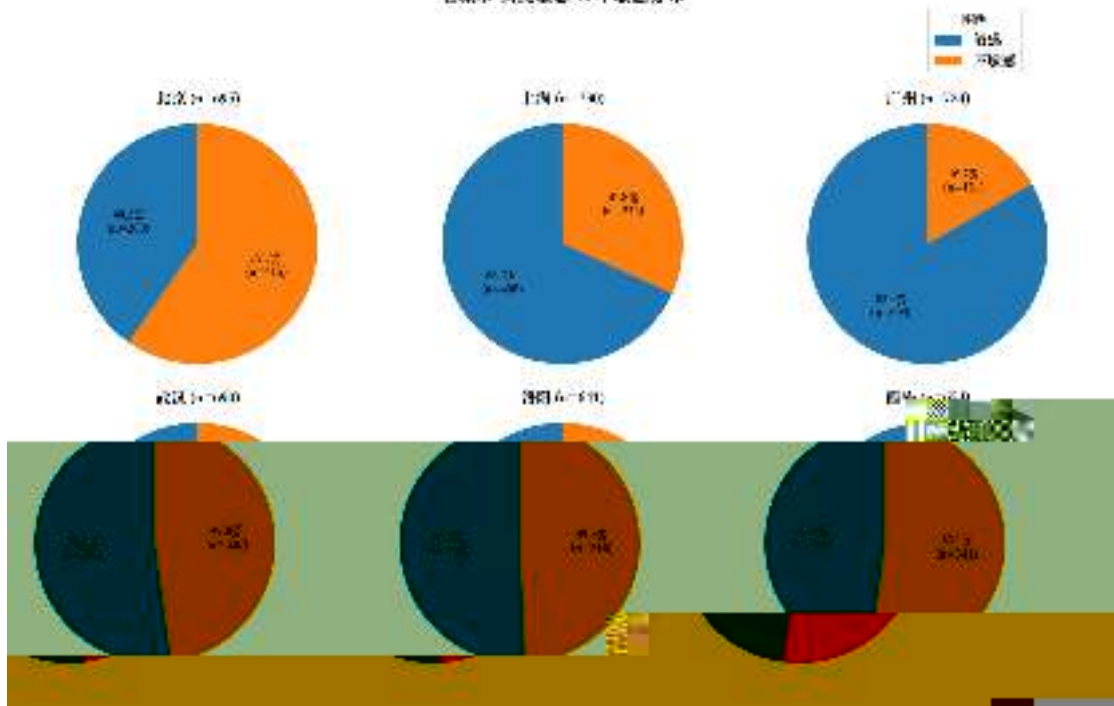
"

"

46

4 6 1

各城市 头皮敏感 vs 不敏感分布



4 6 1

57.5%

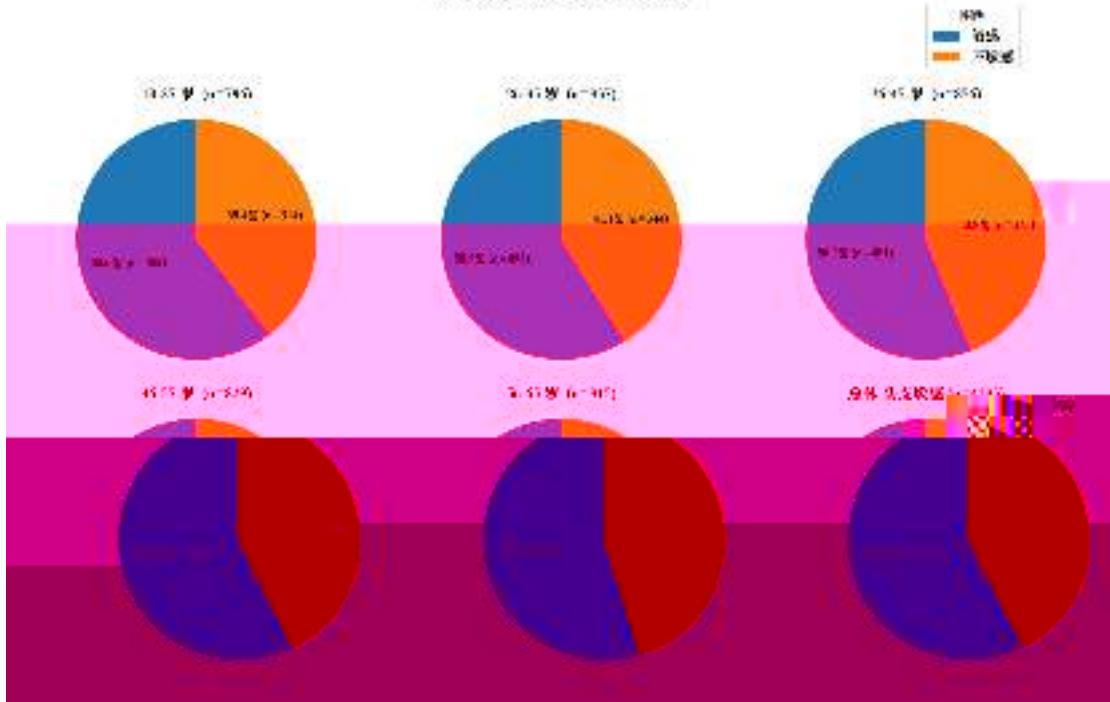
83.3%

68.2%

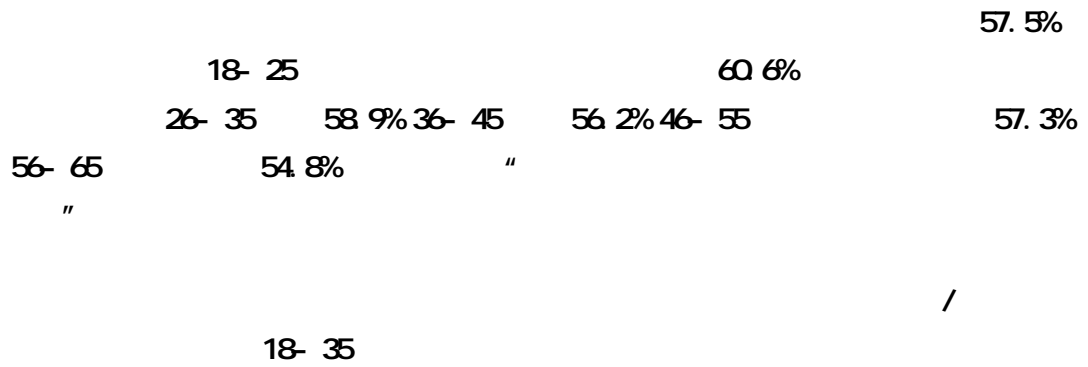
) 7%

4 6 2

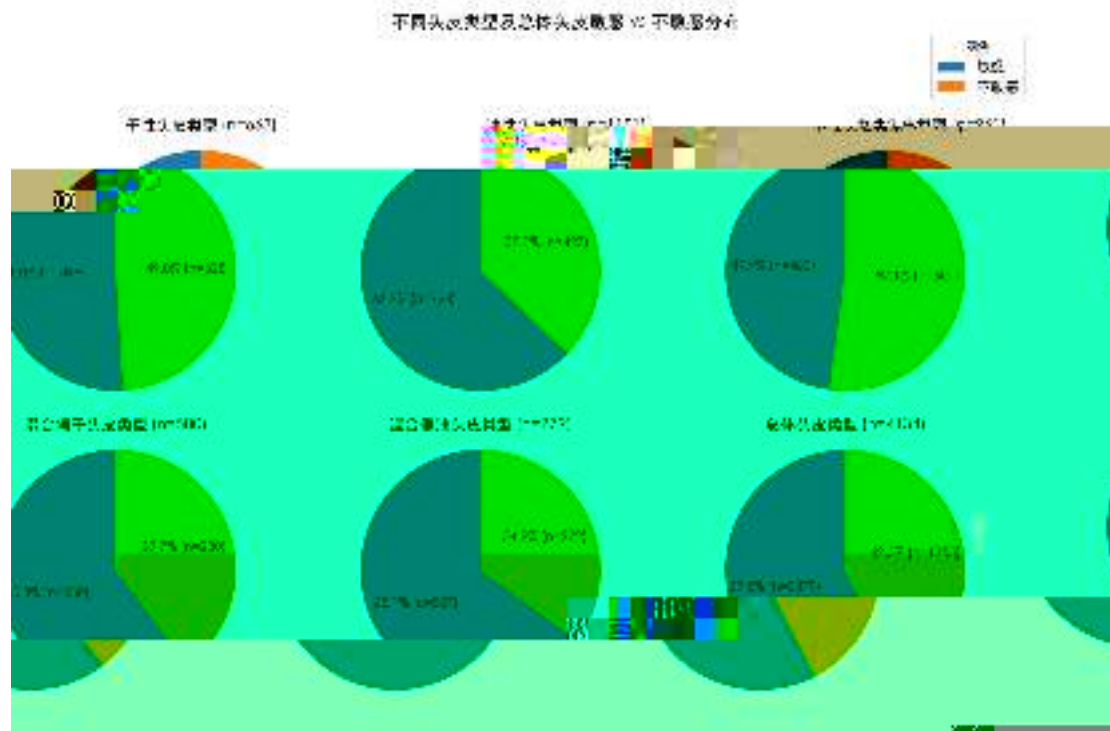
各年龄组 头皮敏感 vs 不敏感比例



4 6 2



463



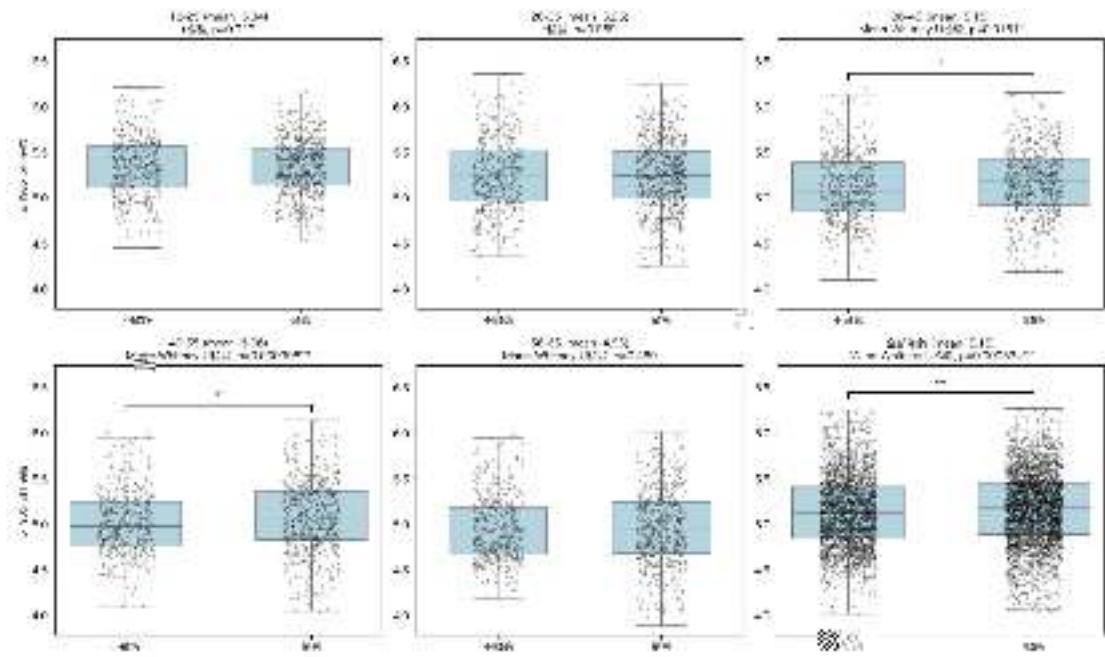
463

65.1%
51.0%
57.5%

62.9%
47.9%

60.3%

pH 7.0 - 8.0 - 9.0 - 10.0 - 11.0 - 12.0 - 13.0 - 14.0

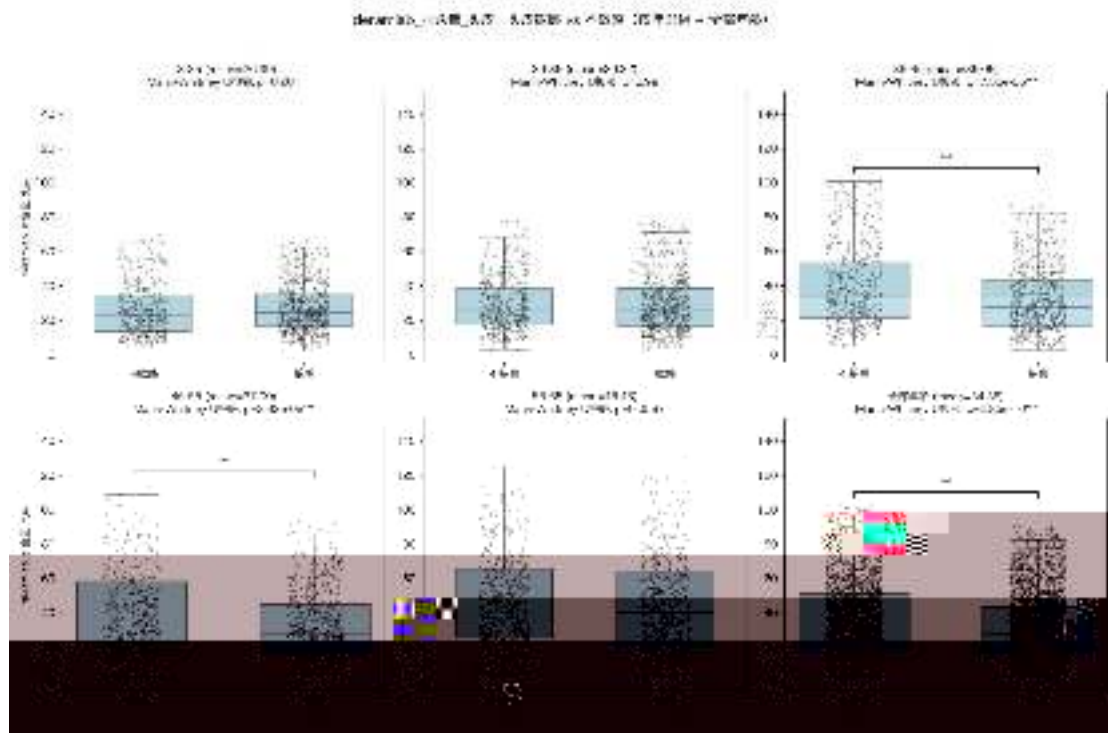


4 6 4 pH05_pH X

56- 65
45 46- 55

pH 4 5- 5 5 18- 25 26- 35
pH 36
pH
pH 5 2
p < 0.001 "

2



4 6 5 derantab_ _ X

18- 25

26- 35

56- 65

Nam- Wl tney U

36- 45

46- 55

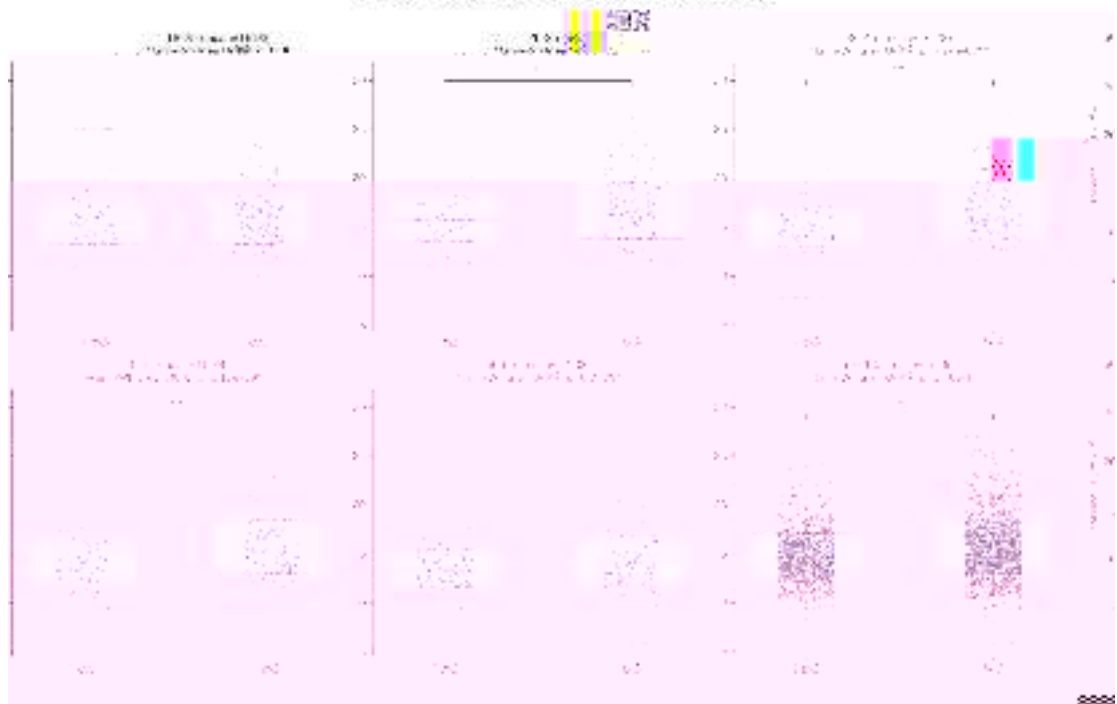
p

0 001

p 0 001

3

图 10-1-10 不同处理对土壤酶活性的影响

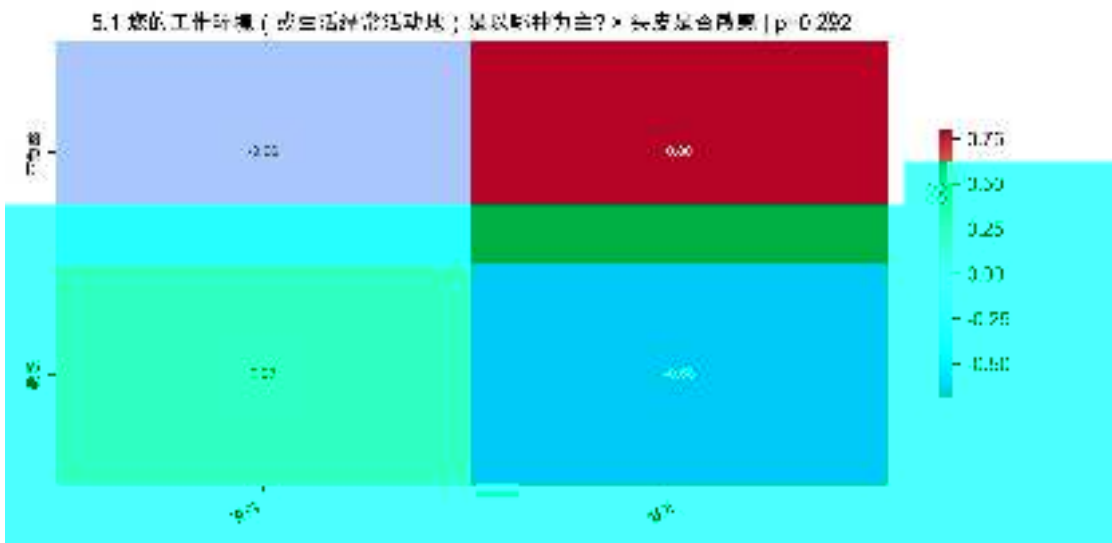


pH

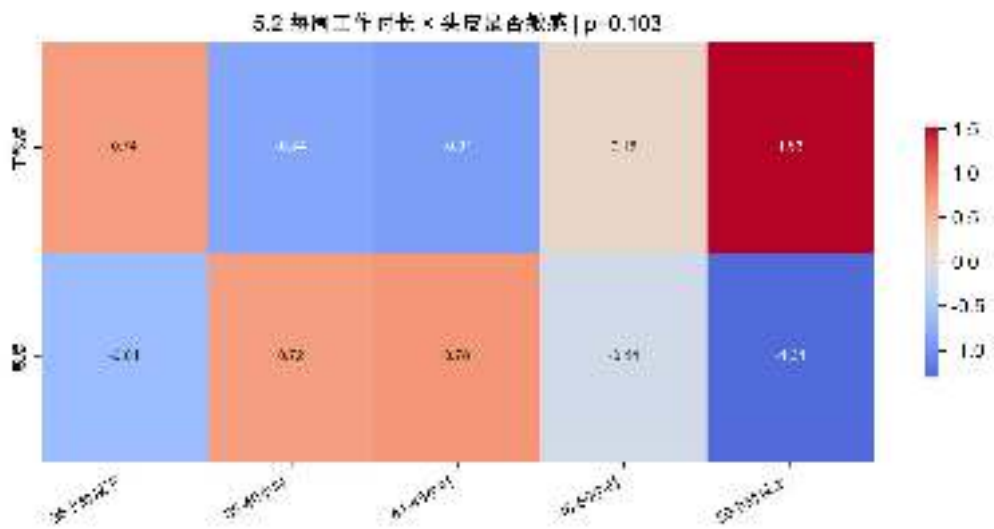
TEWL

4 6 5

1



4 6 9 X



4 6 10 X

/

p=0.292

/

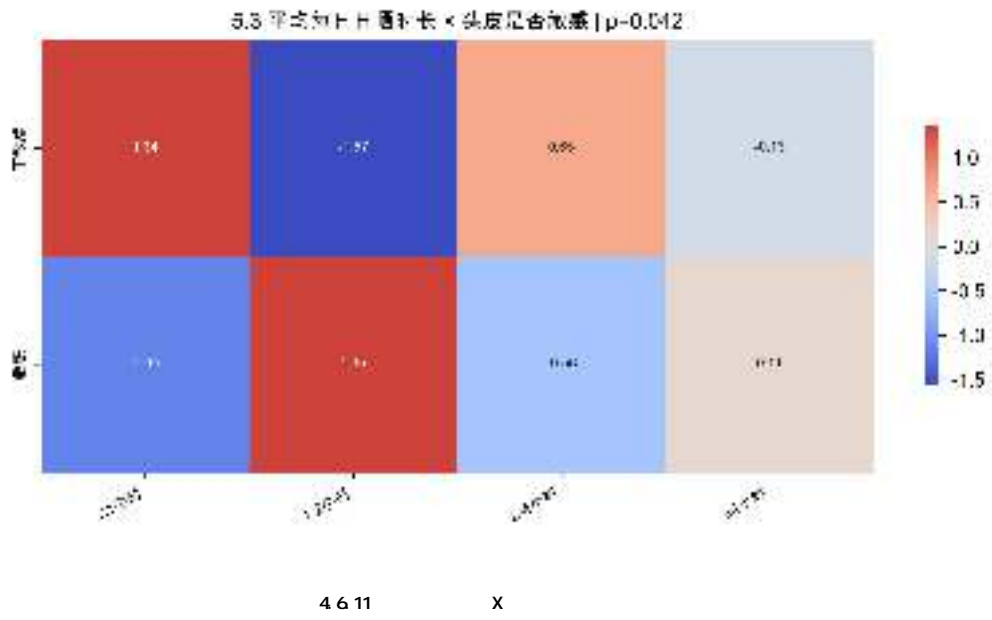
p=0.103

35

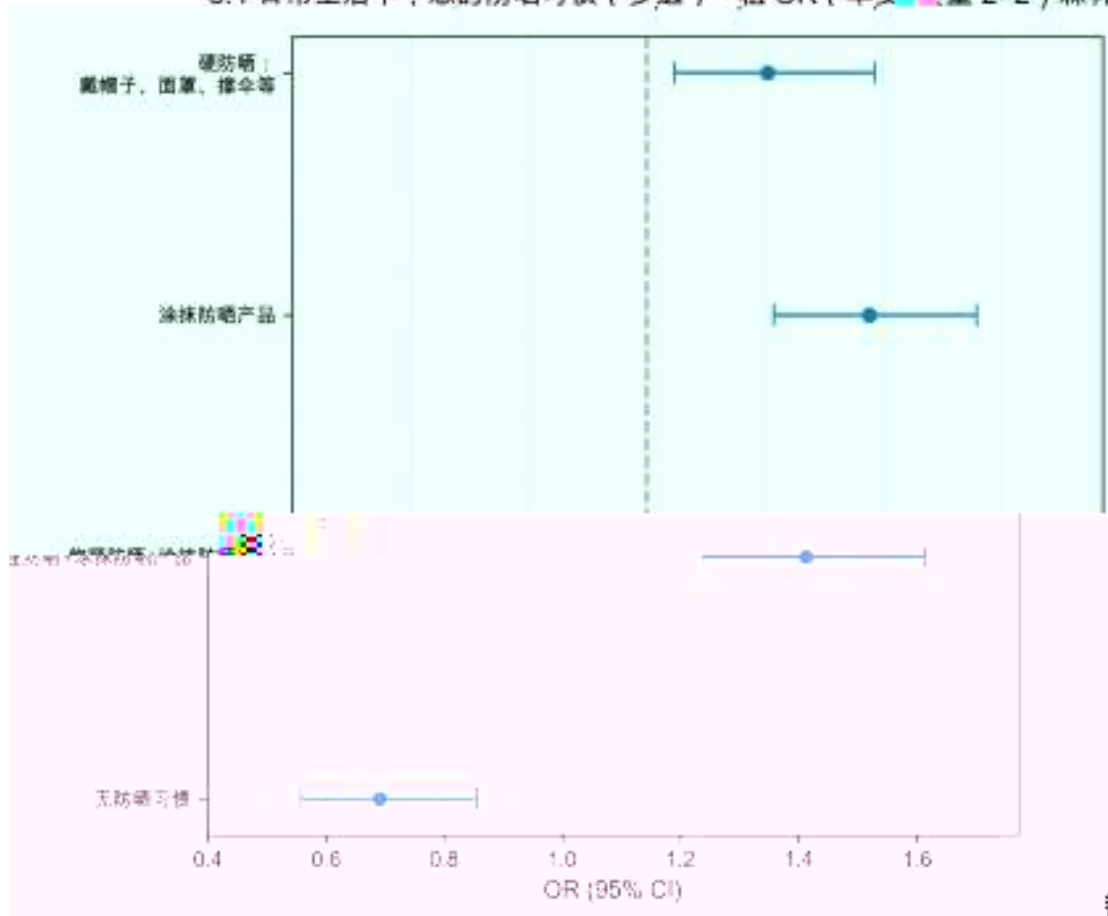
36-45

50

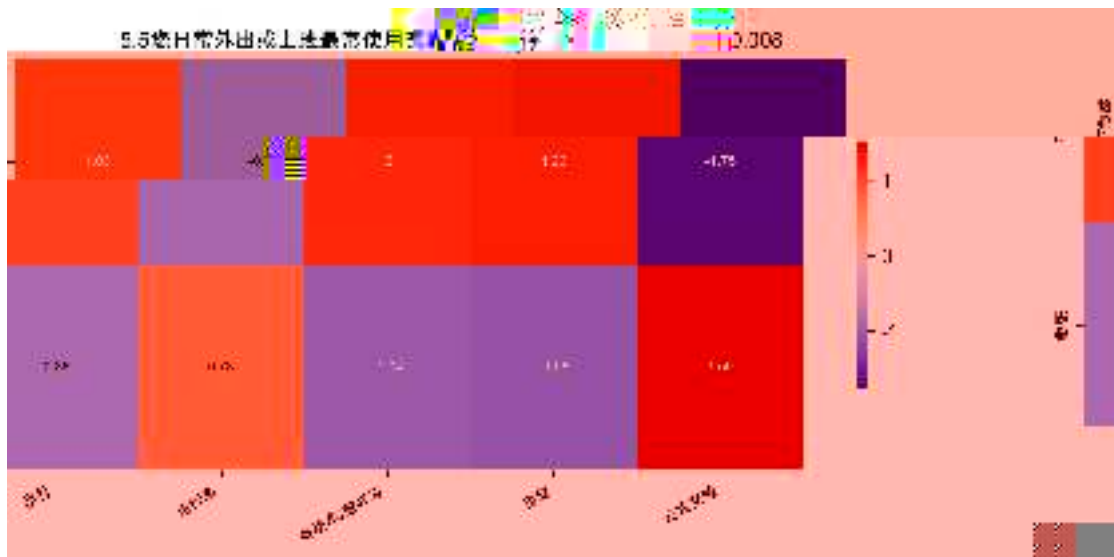
2



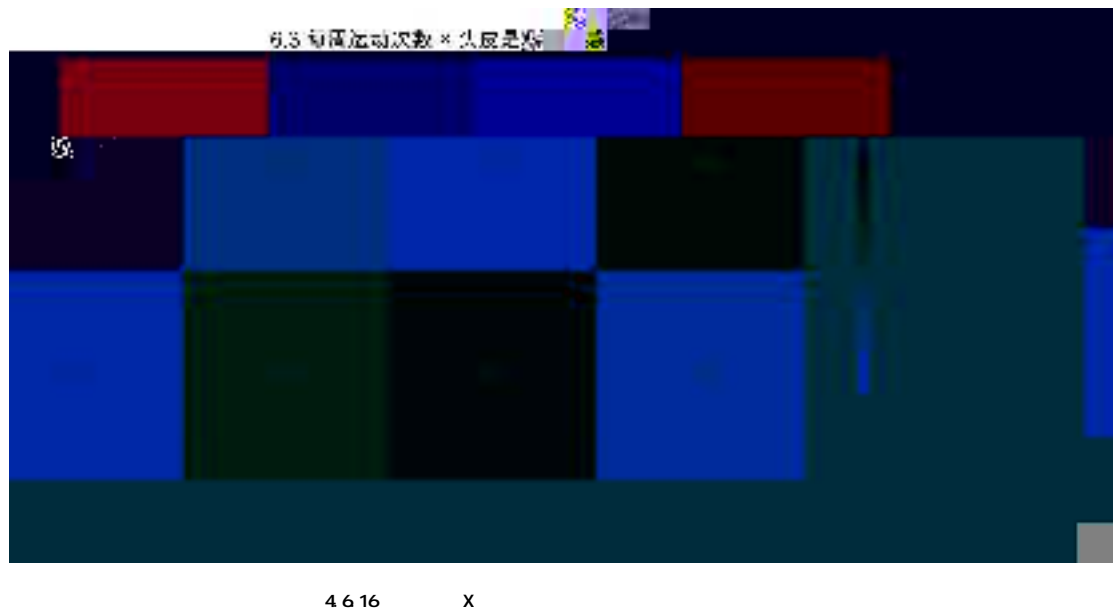
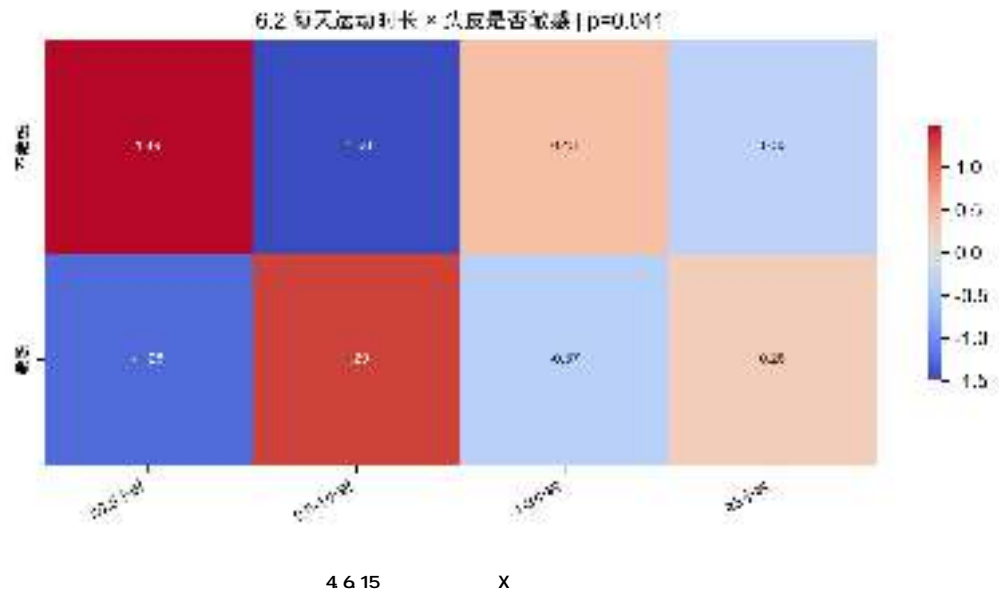
5.4 日常生活中，您的防晒习惯（多选） - 粗 OR (单变量 2x2) 森林

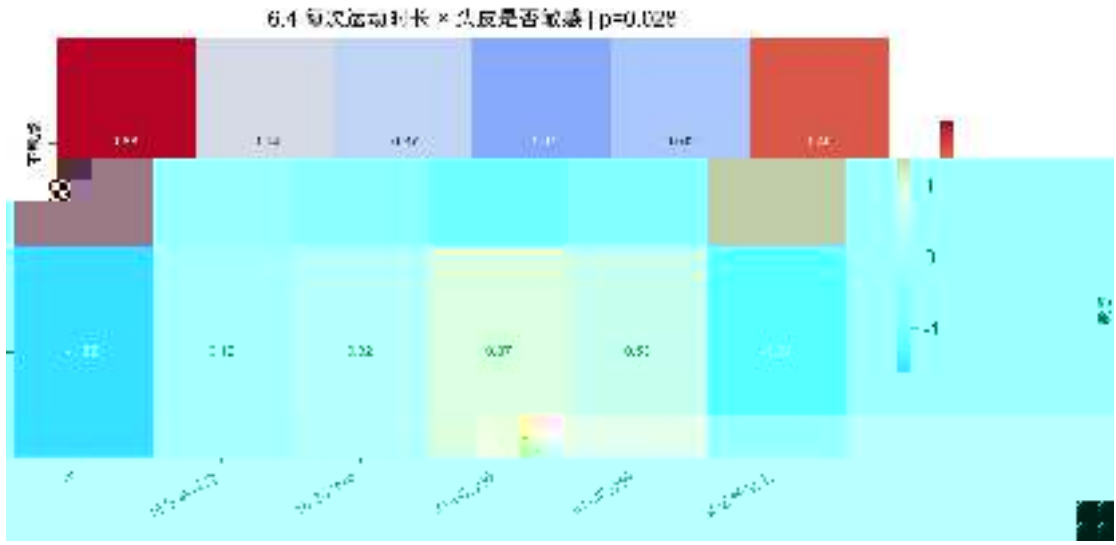


4 6 12 X



4 6 13 X





4.617 X

" " 6.1 0.95

1.38

6.2 0.5

1.49 0.5-1 1.29 1

"

" 6.3 " "

1.92 3-4 1.52

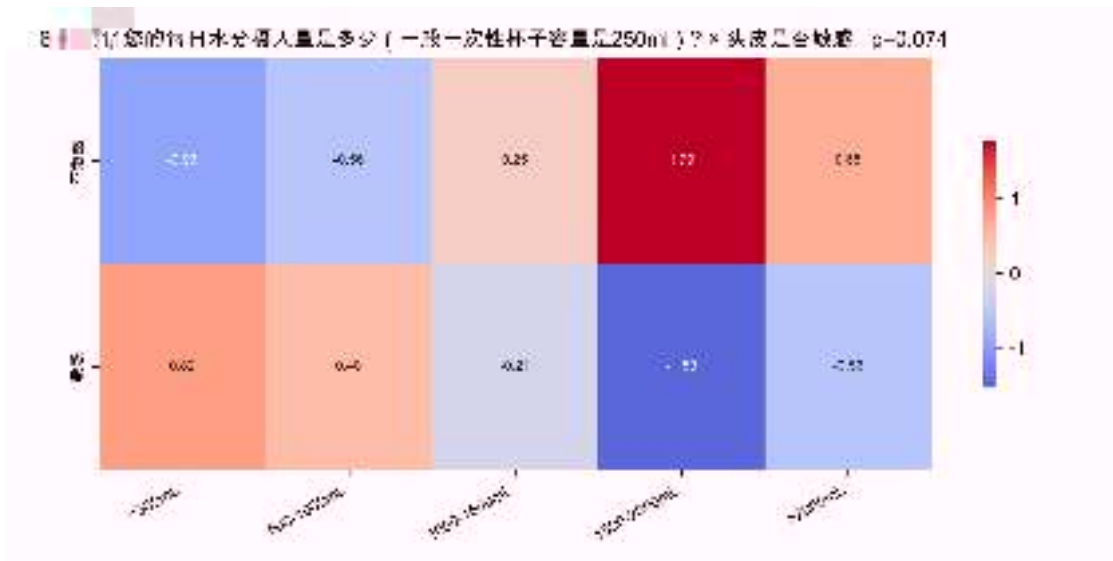
5

6.4 " "

1.88 31-60 0.87

90 1.45

— " " " "



4.6.20

X

OR

"

"

"

"

OR

1

p=0.005

"

"

"

"

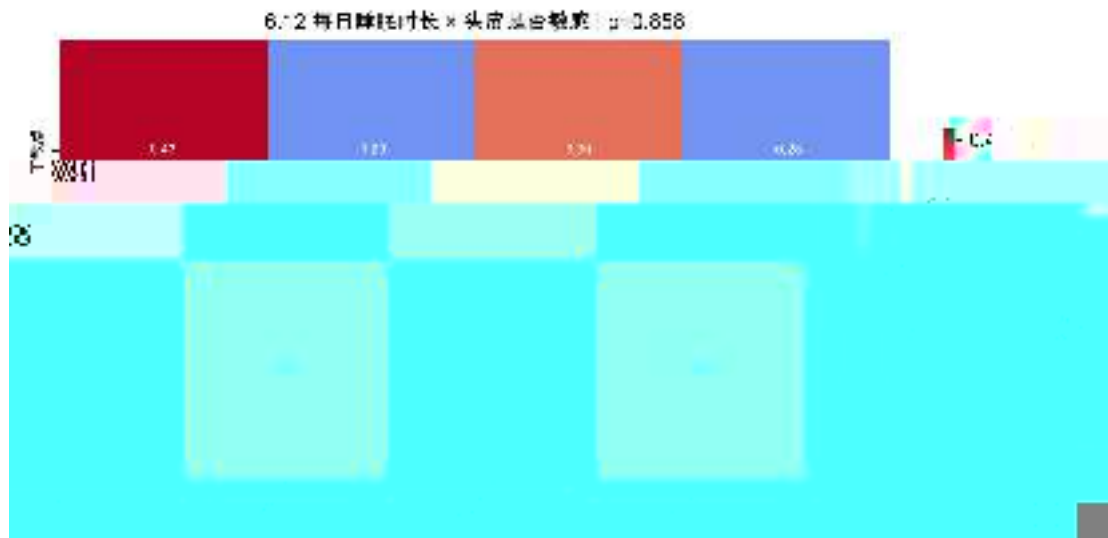
3-4

p=0.074

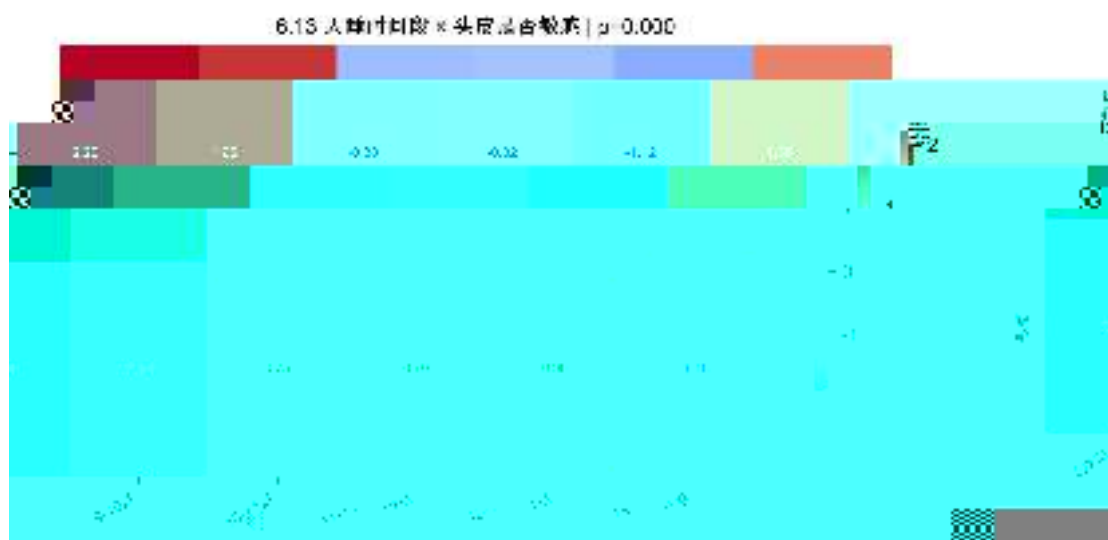
1500- 2000 ml

<1000 ml

5



4.6.21 X



4.6.22 X

p=0.858

/ 0 " "

<6h 8- 10h

6- 8h >10h

p<0.001

9 9- 10

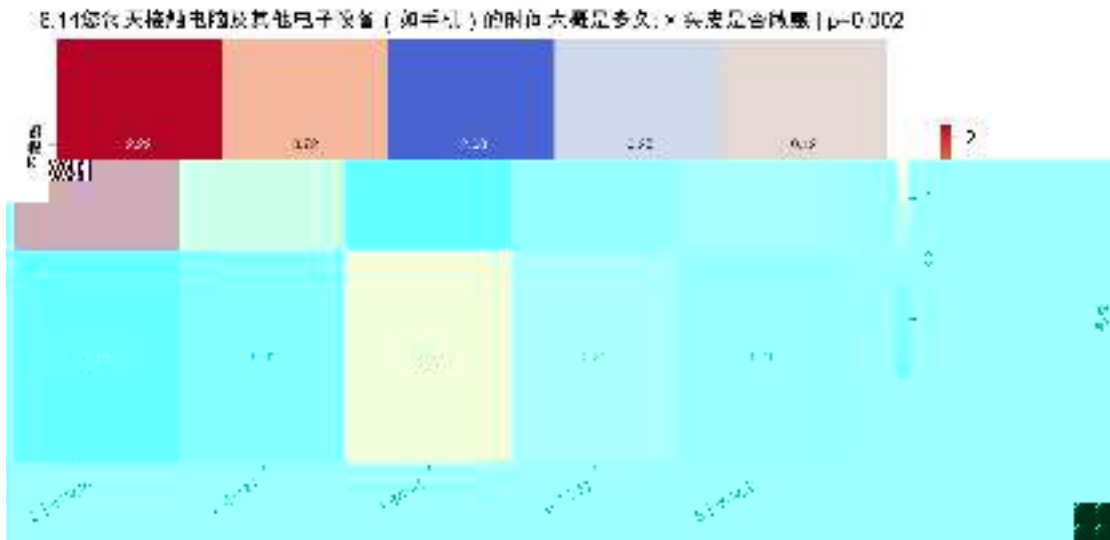
10- 11 11- 12 12 - 1

1

“ ”

“ ”

6

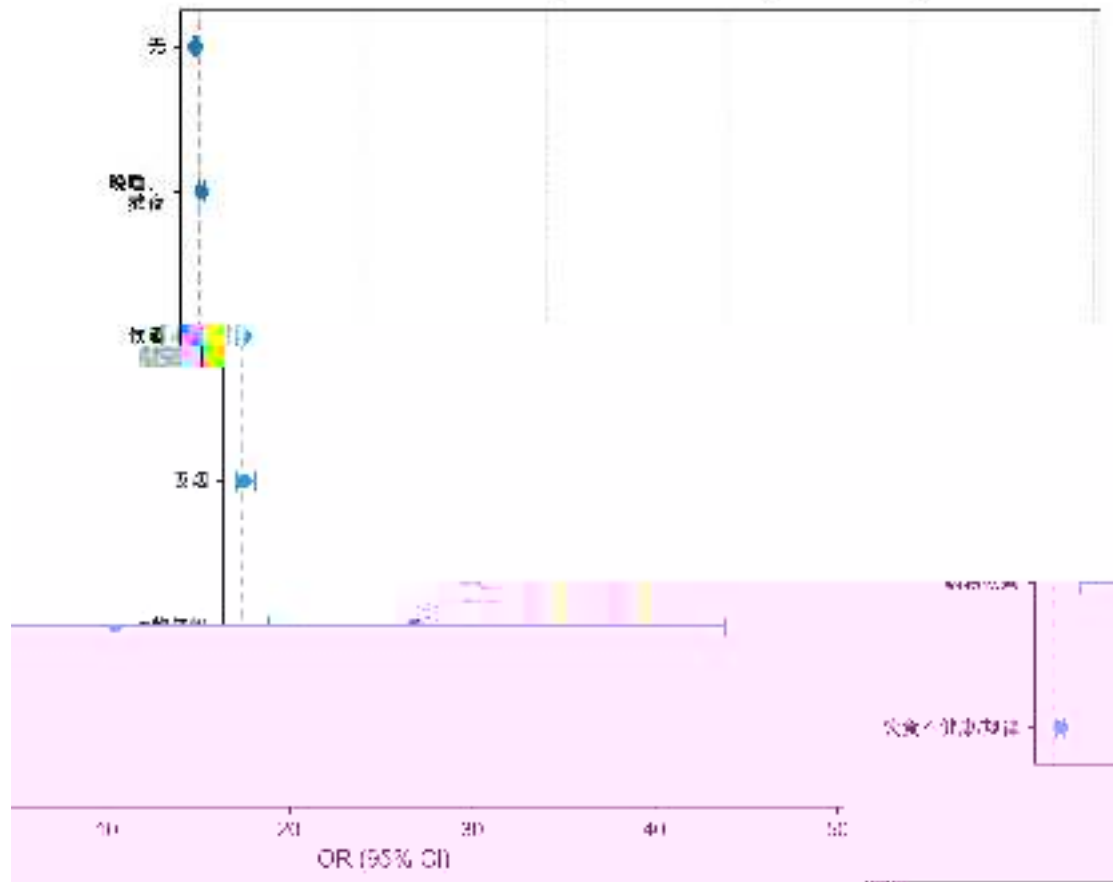


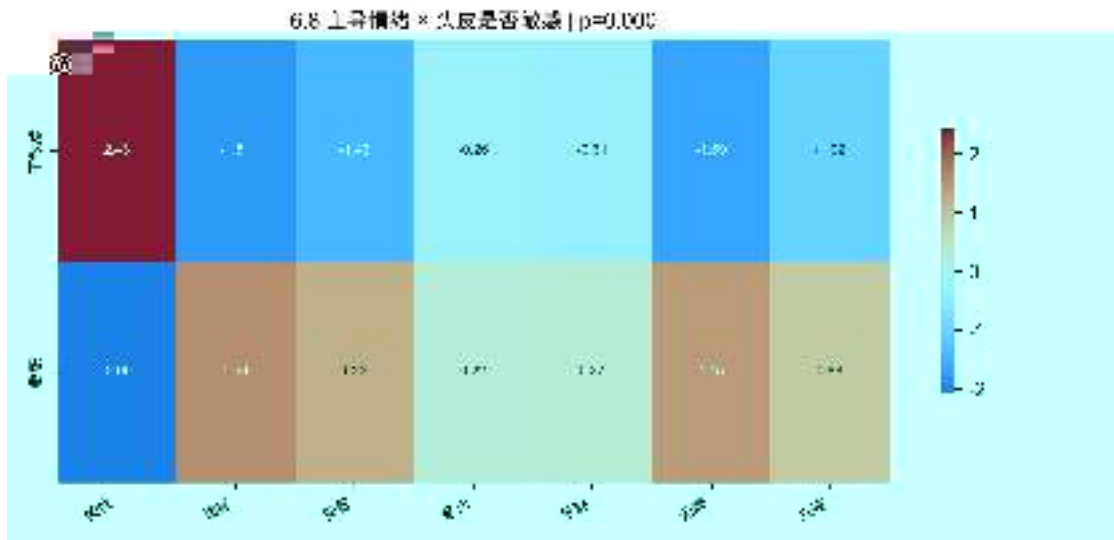
4.6.23

X

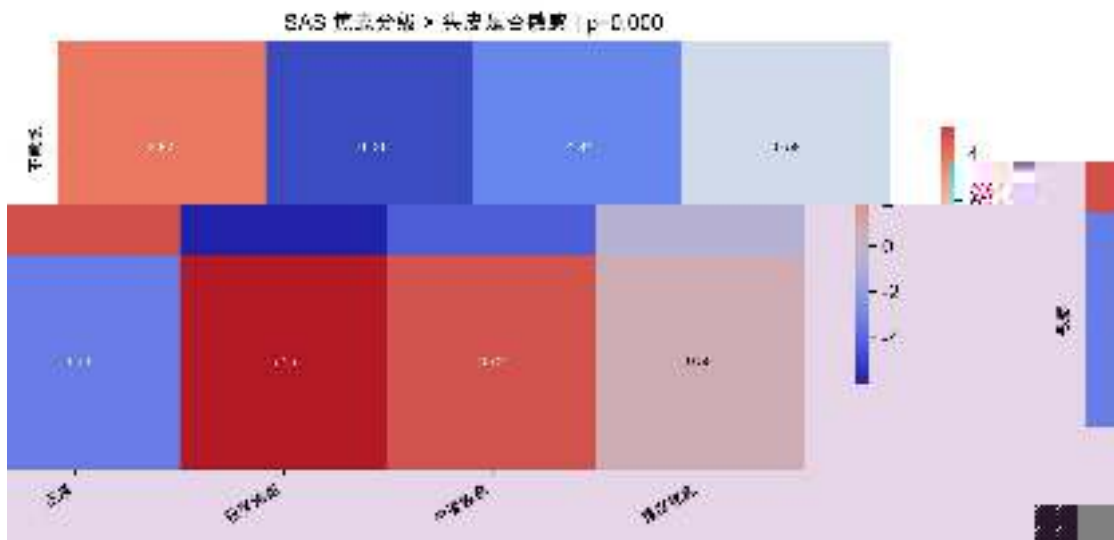
p=0.002

6.15 您是否有以下习惯 (多选) - 粗 OR (单变量 2x2) 森林图





4.6.27 X



4.6.28 SAS X

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- [15] [J]. , 2020, 50(9): 5 DOI: 10.3969/j.issn.1001-1803.2020.09.010
- [16] [J]. , 2024, (03): 35-39. DOI: 10.20099/j.issn.1000-4475.2024.0048
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