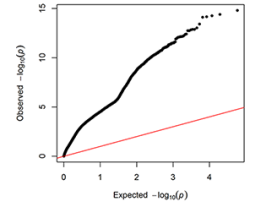
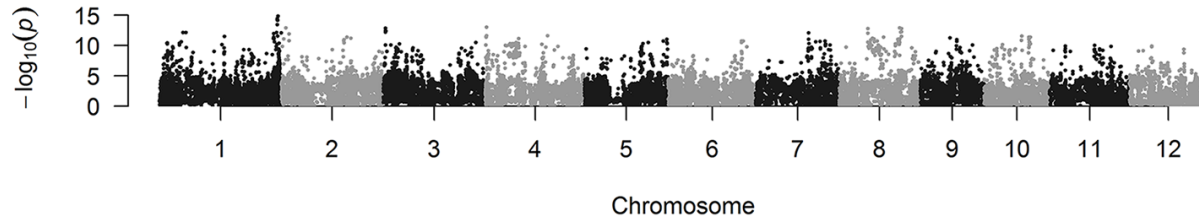


F_0 – whole panel

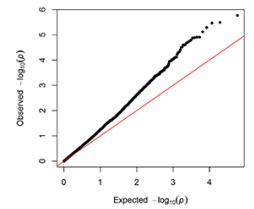
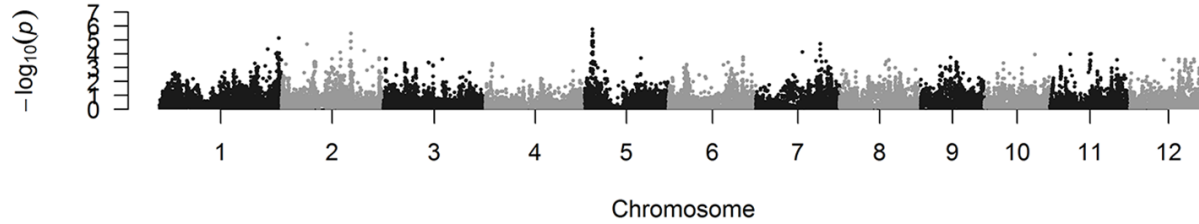
(a)

Naïve model



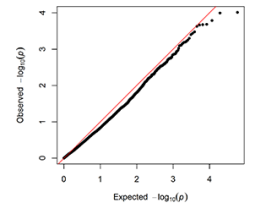
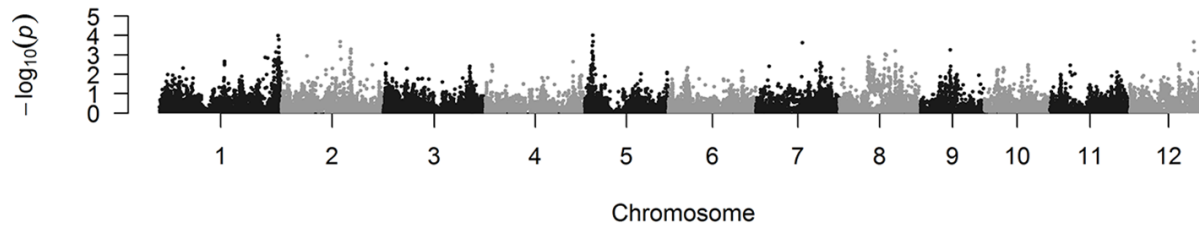
(b)

P model



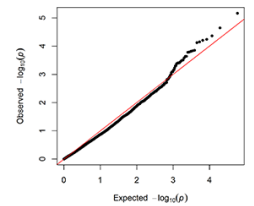
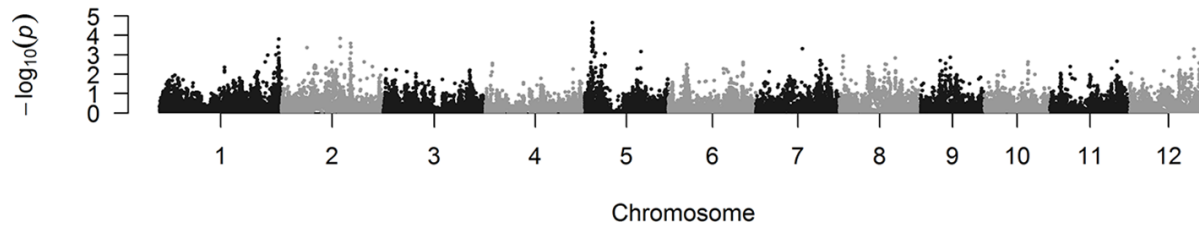
(c)

K model



(d)

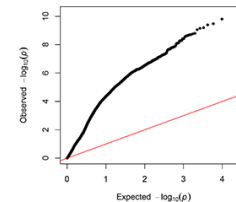
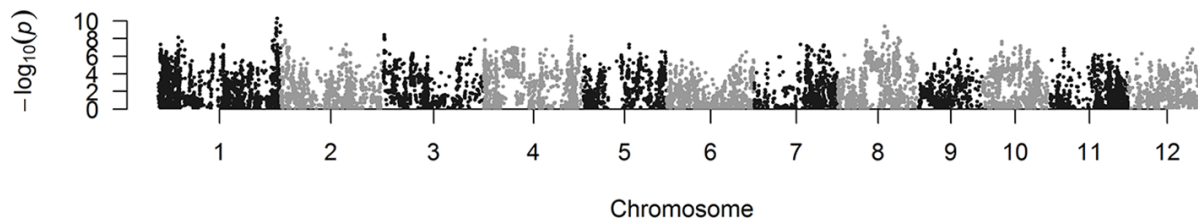
P+K model



F_0 -*Japonica* panel

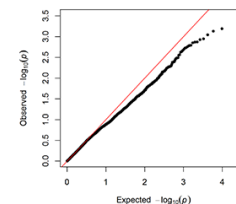
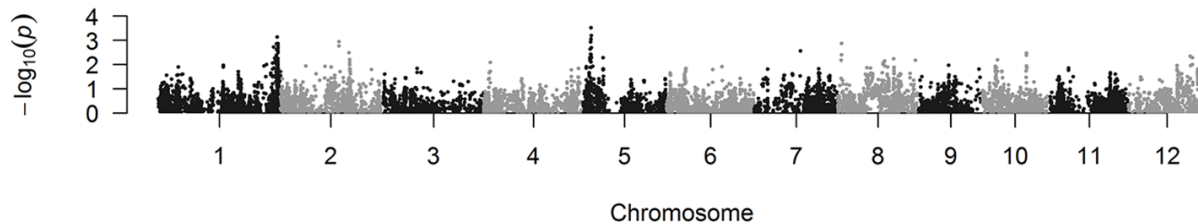
(a)

Naïve model



(b)

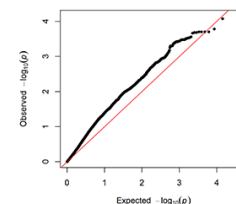
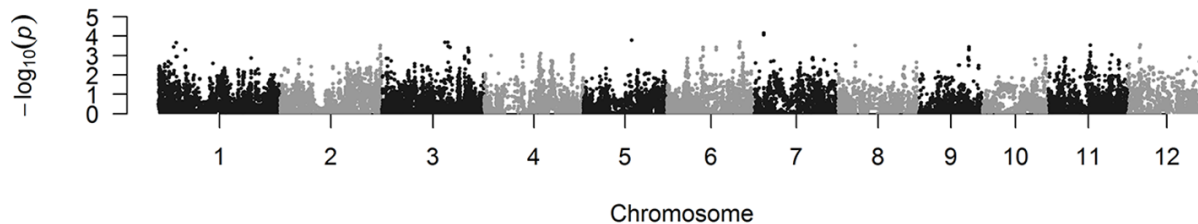
K model



F_0 -*Indica* panel

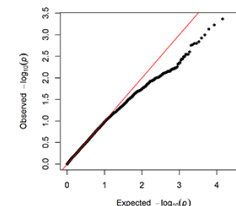
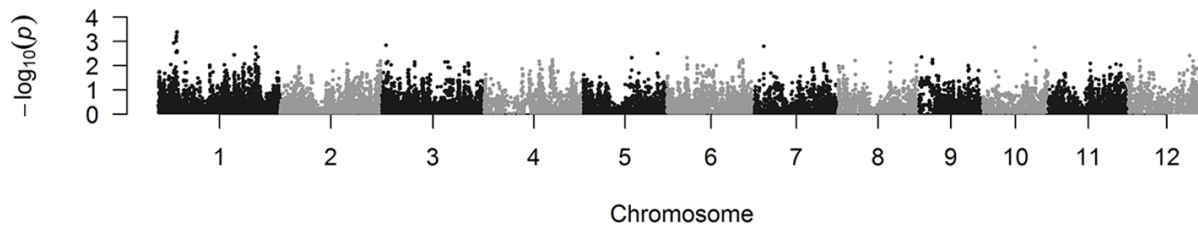
(c)

Naïve model



(d)

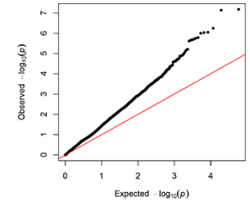
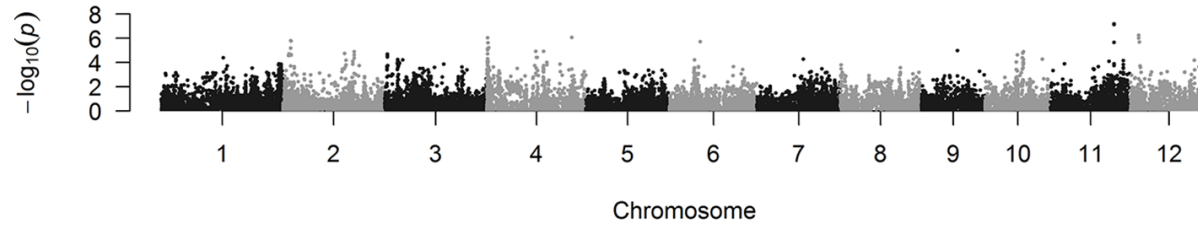
K model



F_m – whole panel

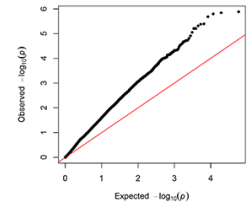
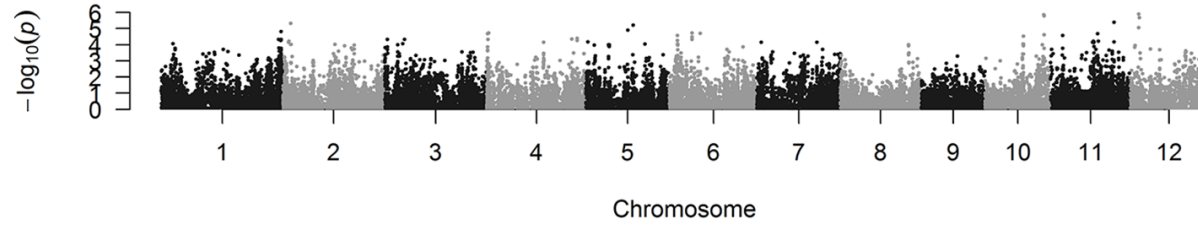
(a)

Naïve model



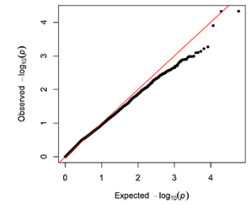
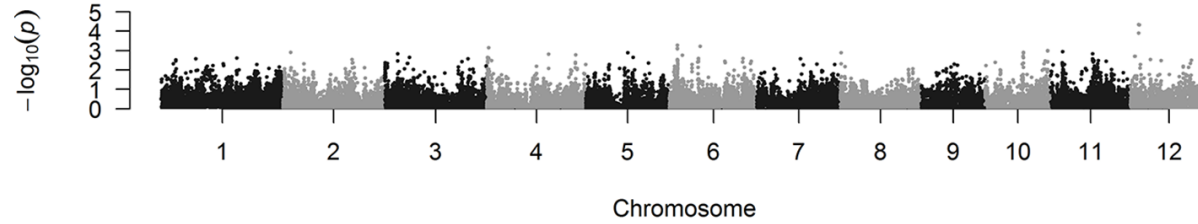
(b)

P model



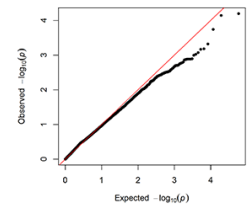
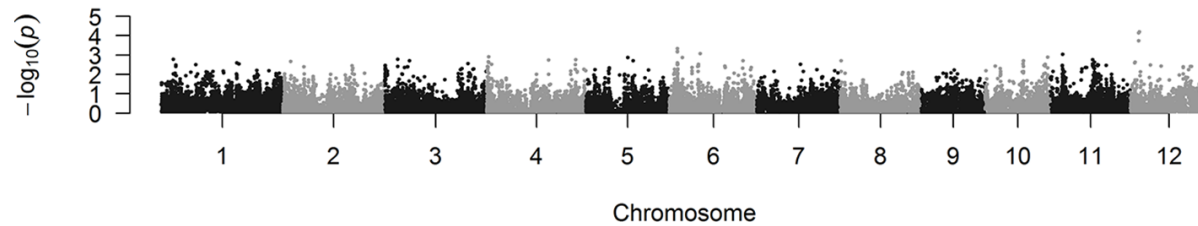
(c)

K model



(d)

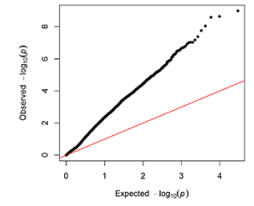
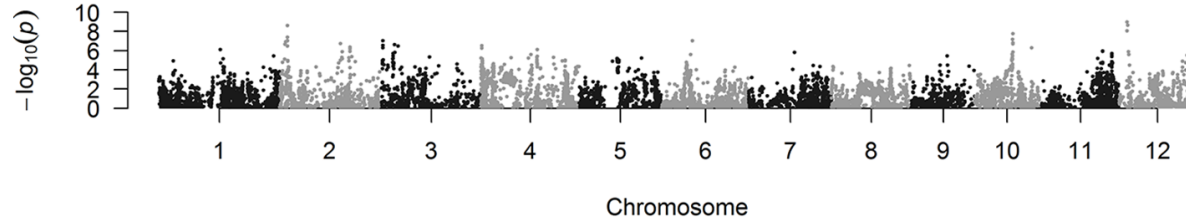
P+K model



Fm – *Japonica* panel

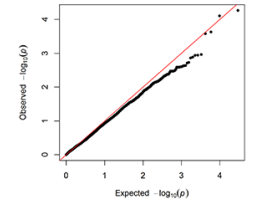
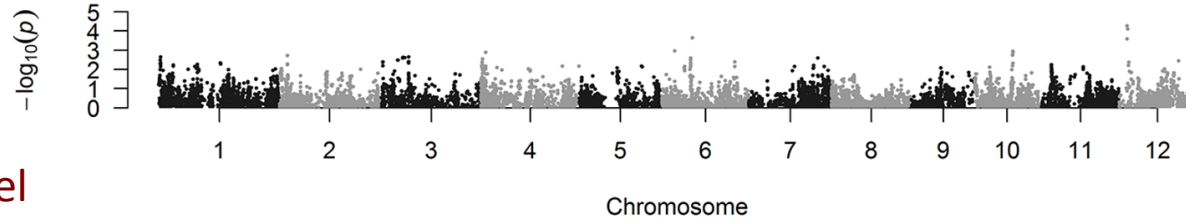
(a)

Naïve model



(b)

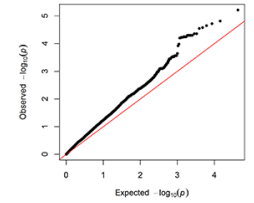
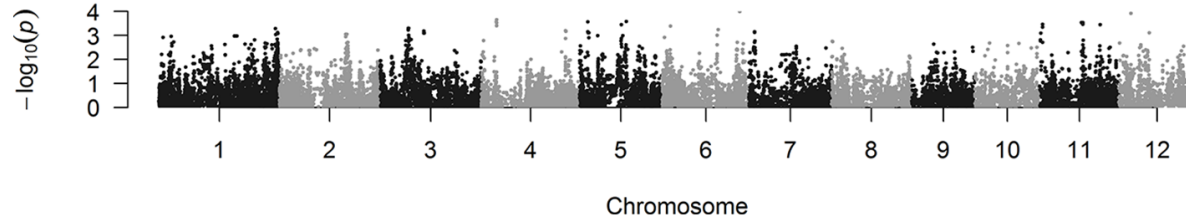
K model



Fm – *Indica* panel

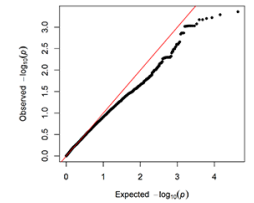
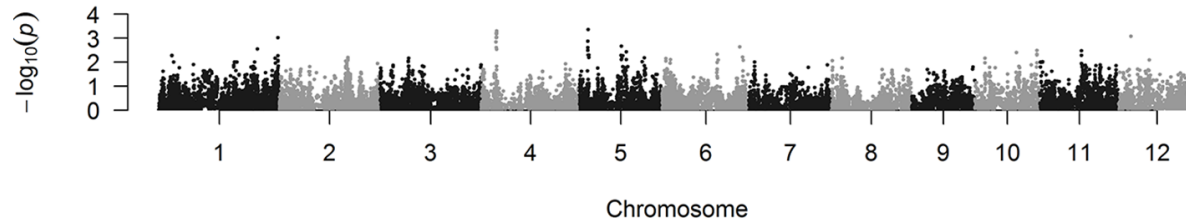
(c)

Naïve model

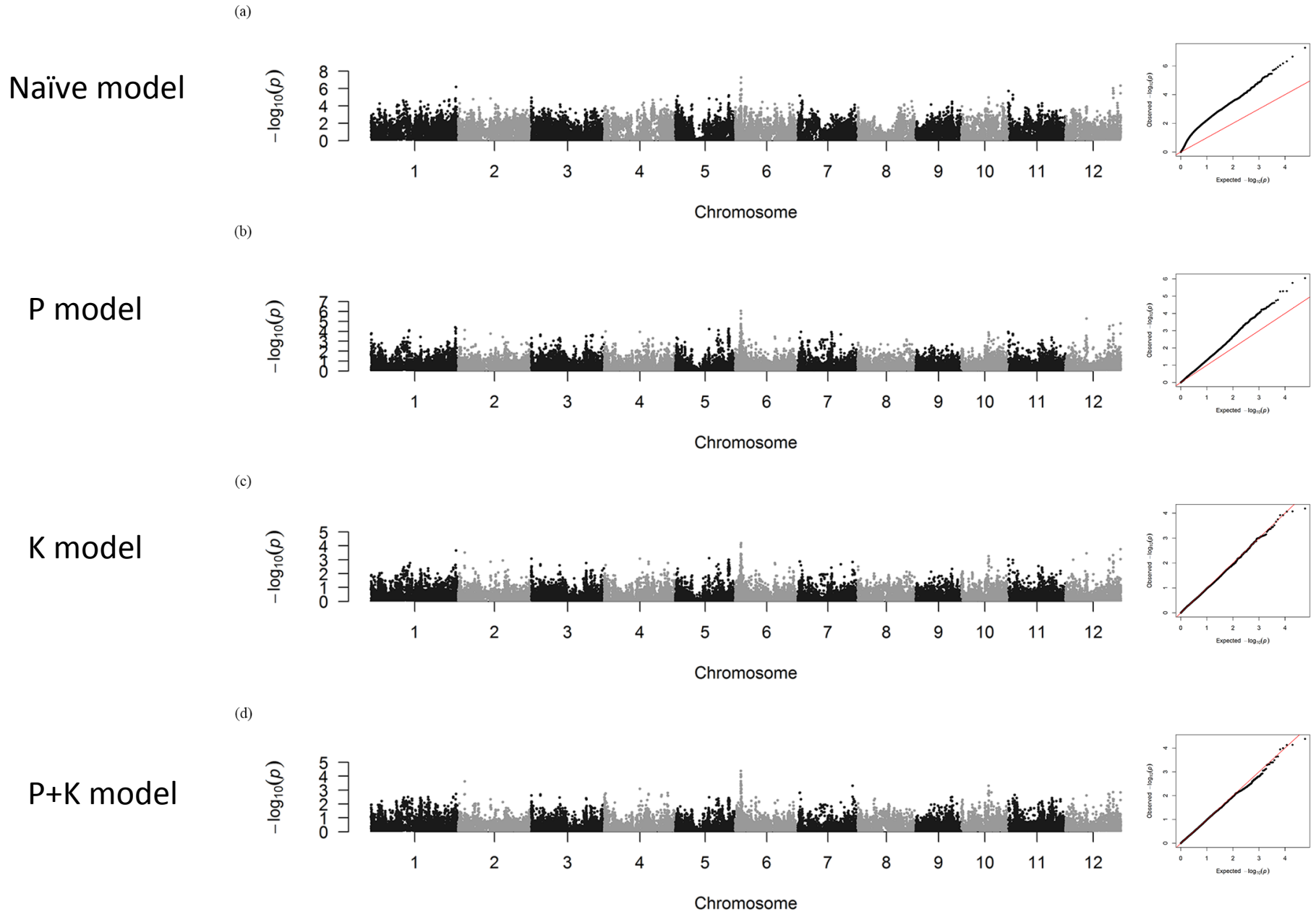


(d)

K model



Φ PSII – whole panel

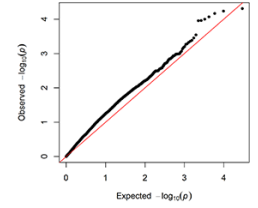
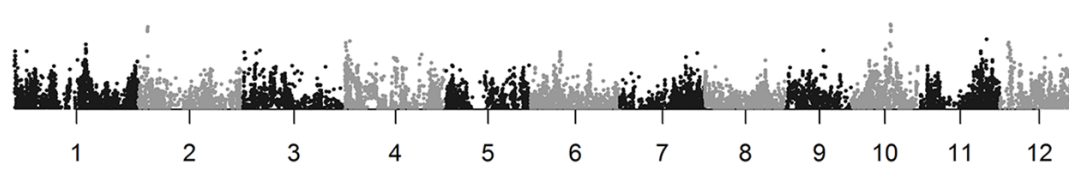


Φ PSII-*Japonica* panel

(a)

Naïve model

$-\log_{10}(p)$
5
4
3
2
1
0

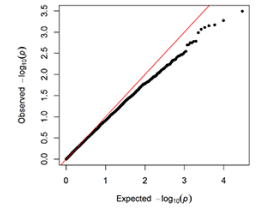
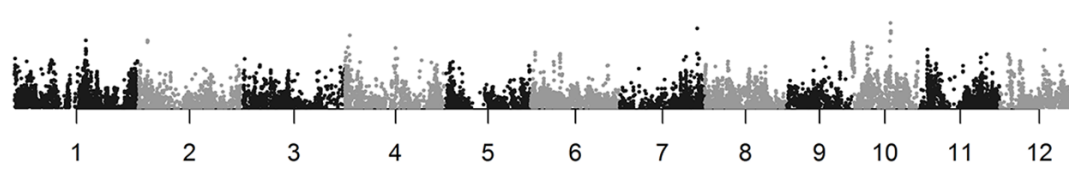


Chromosome

(b)

K model

$-\log_{10}(p)$
4
3
2
1
0



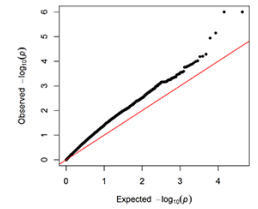
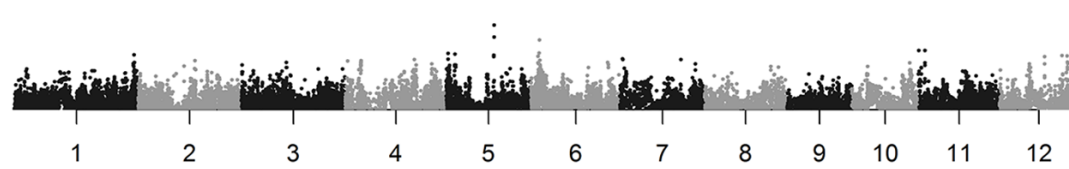
Chromosome

Φ PSII-*indica* panel

(c)

Naïve model

$-\log_{10}(p)$
7
6
5
4
3
2
1
0

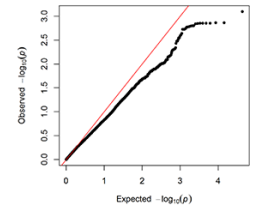
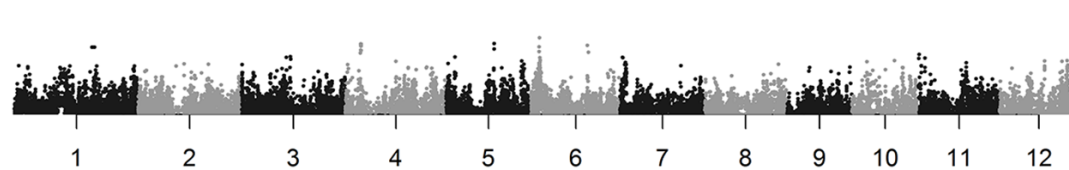


Chromosome

(d)

K model

$-\log_{10}(p)$
4
3
2
1
0

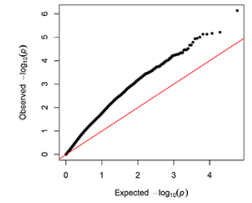
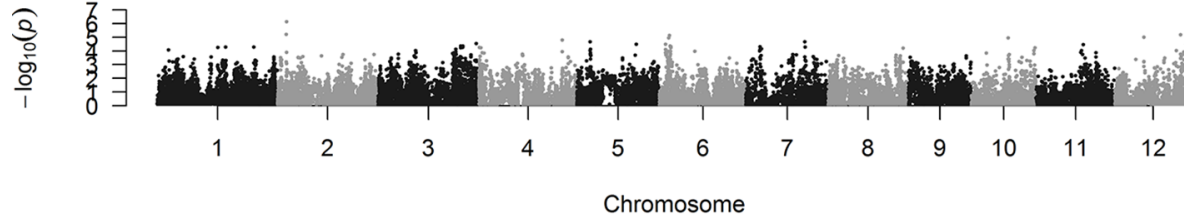


Chromosome

qL-whole panel

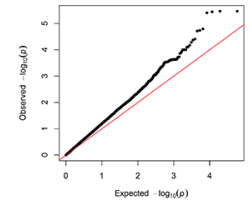
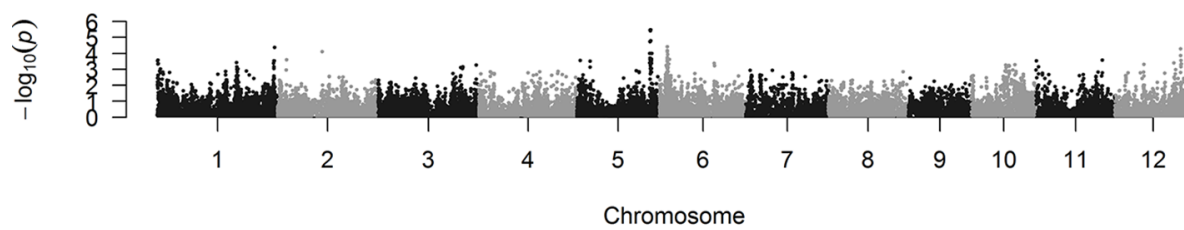
(a)

Naïve model



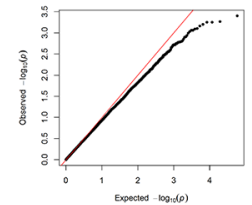
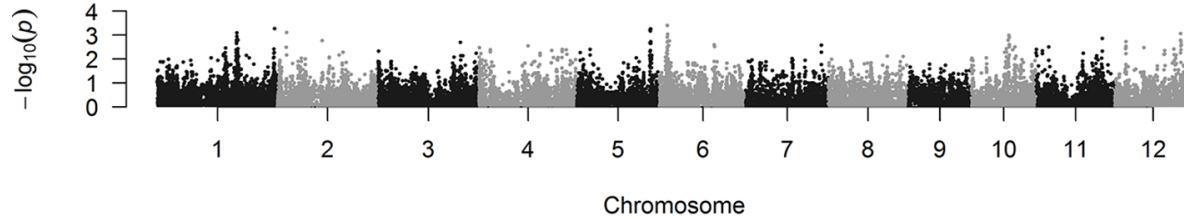
(b)

P model



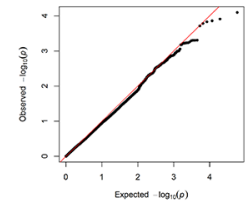
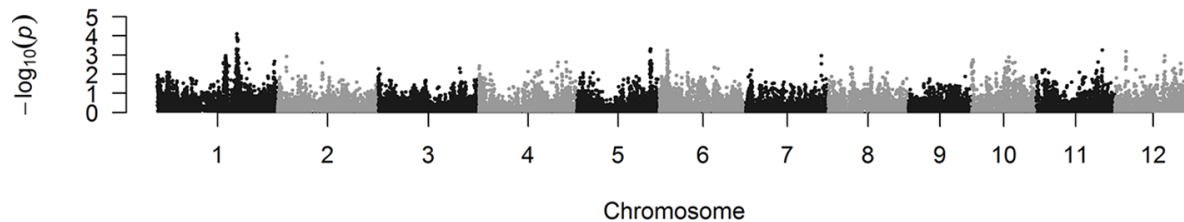
(c)

K model



(d)

P+K model



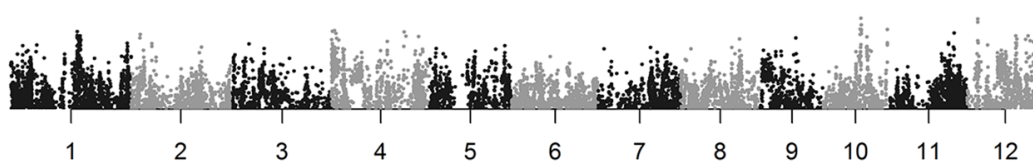
qL- *Japonica* panel

(a)

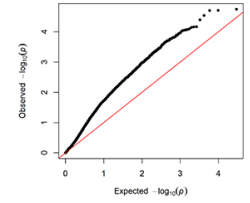
Naïve model

$-\log_{10}(\rho)$

5
4
3
2
1
0



Chromosome

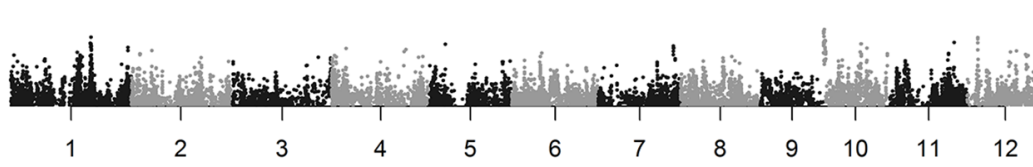


(b)

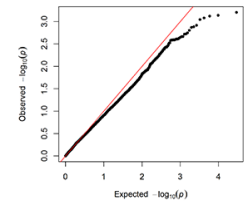
K model

$-\log_{10}(\rho)$

4
3
2
1
0



Chromosome



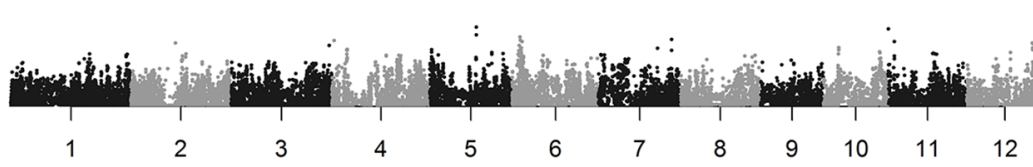
qL- *Indica* panel

(c)

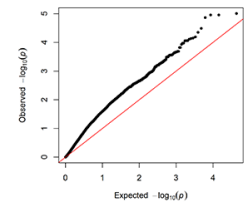
Naïve model

$-\log_{10}(\rho)$

6
5
4
3
2
1
0



Chromosome

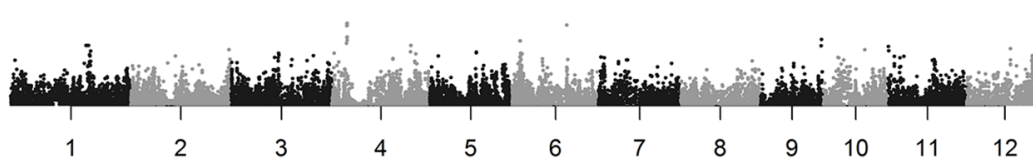


(d)

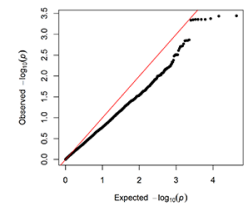
K model

$-\log_{10}(\rho)$

4
3
2
1
0



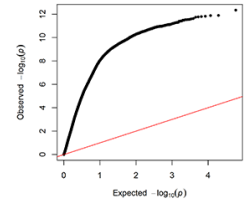
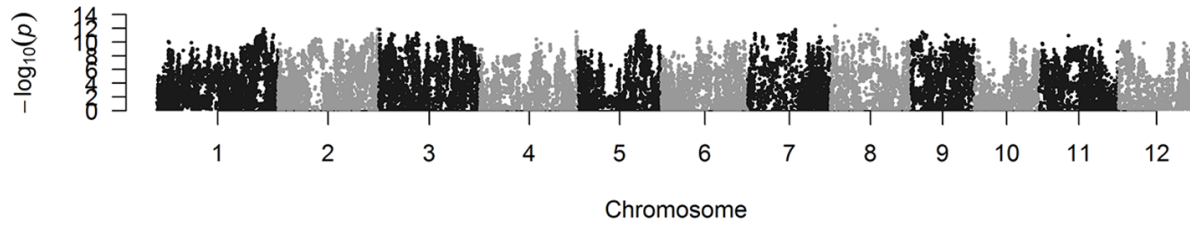
Chromosome



NPQ- whole panel

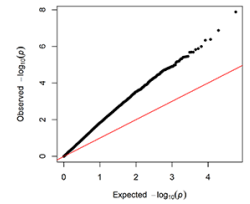
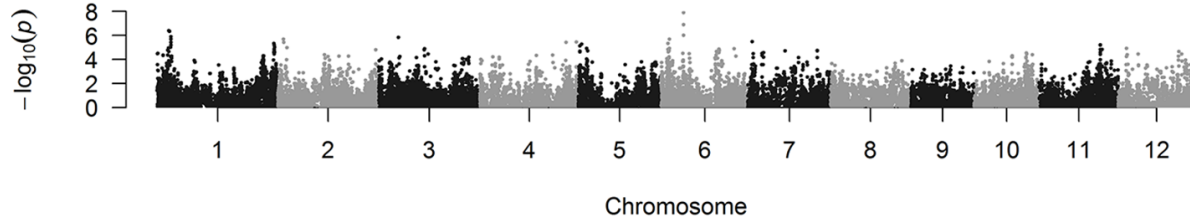
(a)

Naïve model



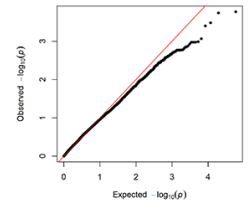
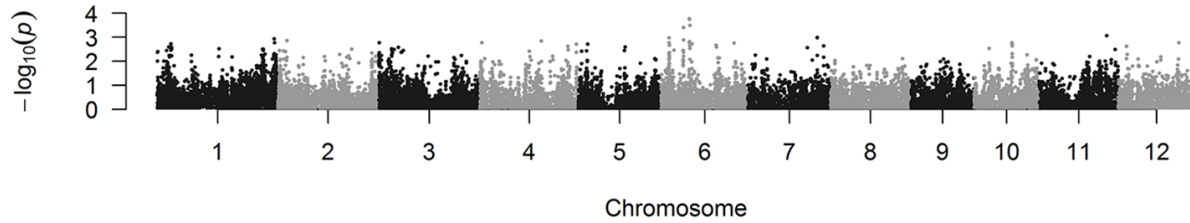
(b)

P model



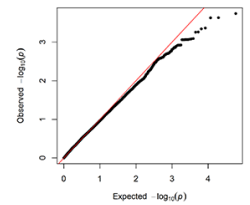
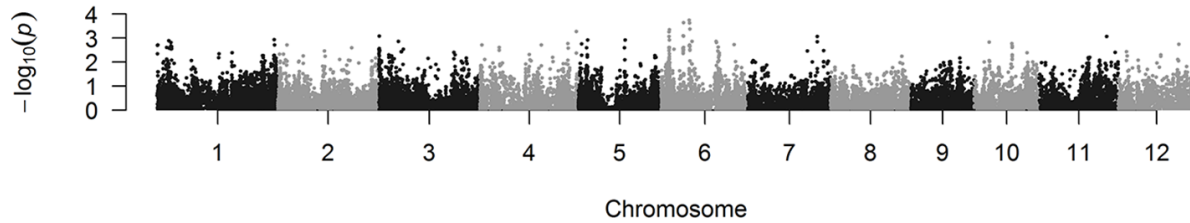
(c)

K model



(d)

P+K model

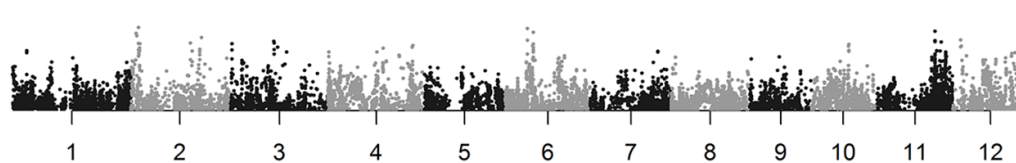
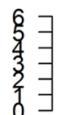


NPQ- *Japonica* panel

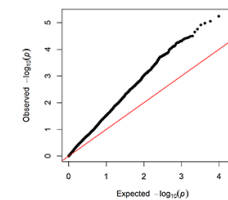
(a)

Naïve model

$-\log_{10}(\rho)$



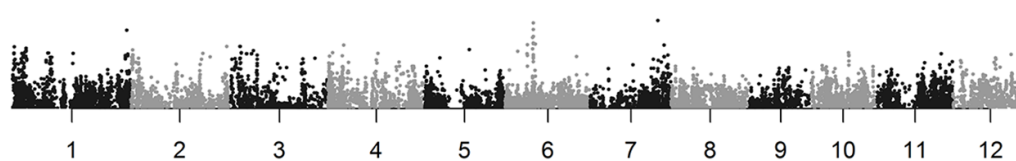
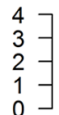
Chromosome



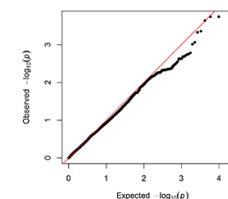
(b)

K model

$-\log_{10}(\rho)$



Chromosome

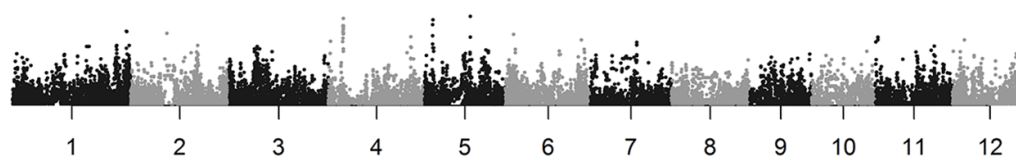
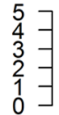


NPQ- *Indica* panel

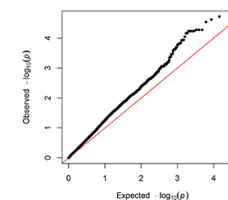
(c)

Naïve model

$-\log_{10}(\rho)$



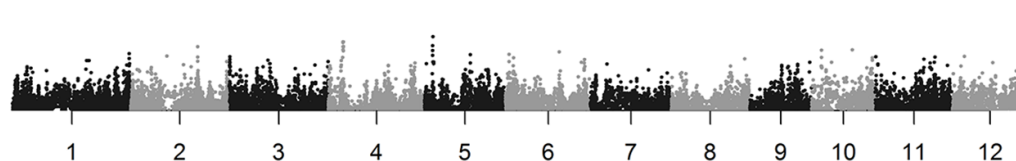
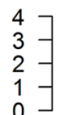
Chromosome



(d)

K model

$-\log_{10}(\rho)$



Chromosome

