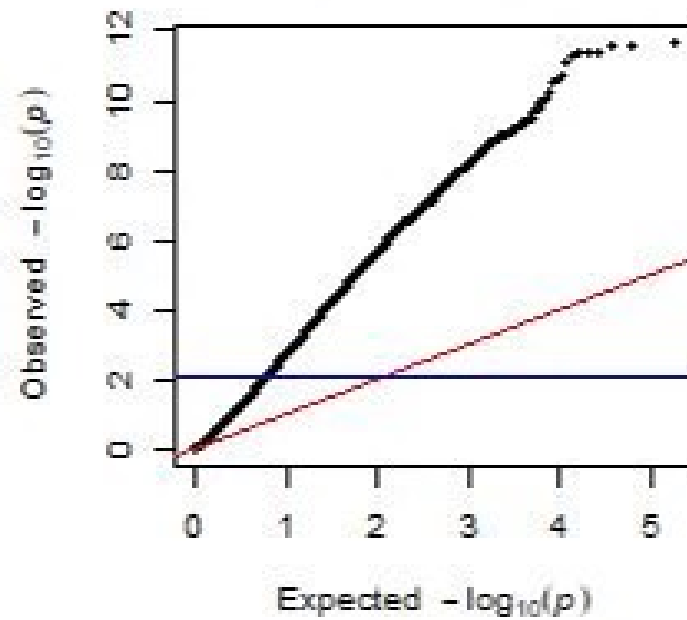


Figure S3: Q-Q plots of p-values from GWAS for all available traits accounting for neither structure nor kinship, only for structure, only for kinship or for both kinship and structure.

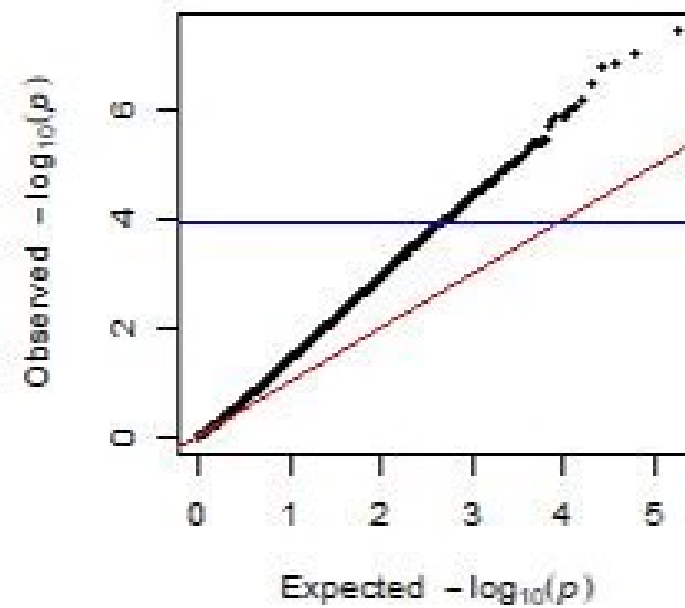
Q-Q plots of p-values from GWAS (Genome-Wide-Association-Study) for all available traits (one page for each trait) accounting for neither structure nor kinship (top-left), accounting only for structure (top-right), accounting only for kinship (bottom-left) or accounting for both kinship and structure (bottom-right). The blue horizontal line indicates the 10% q-value threshold, if absent the q-value is greater than 10% for all markers. The identity line is in red. A full description of the traits is available in File S1.

# trait: ADF\_04\_me17

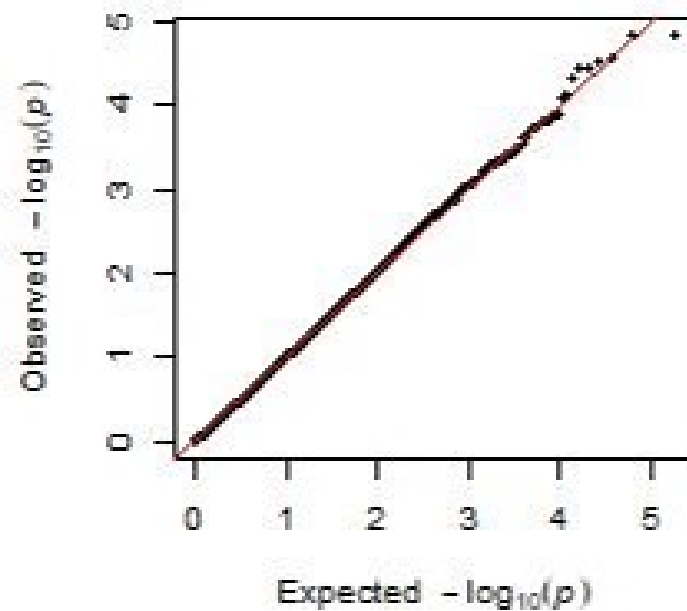
No accounting for kinship or structure



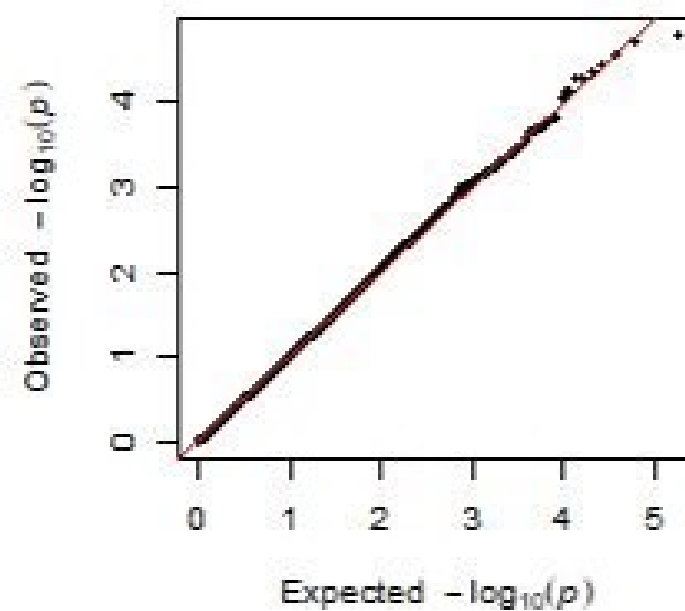
Accounting only for structure



Accounting only for kinship

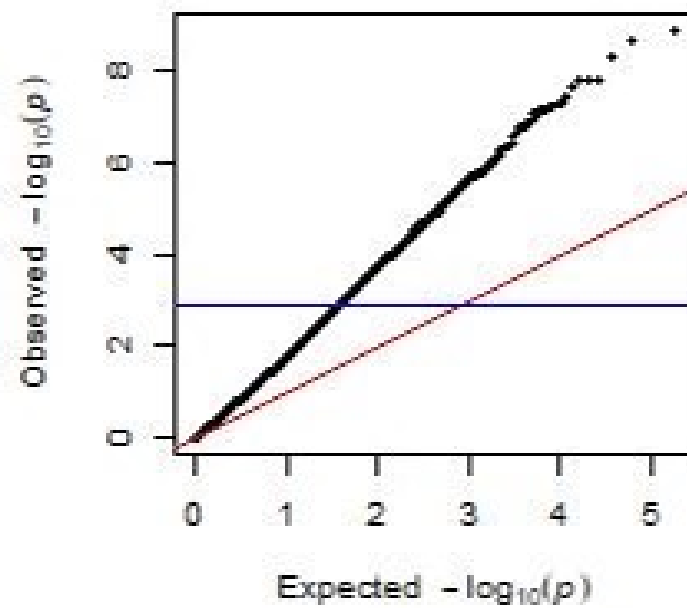


Accounting for kinship and structure

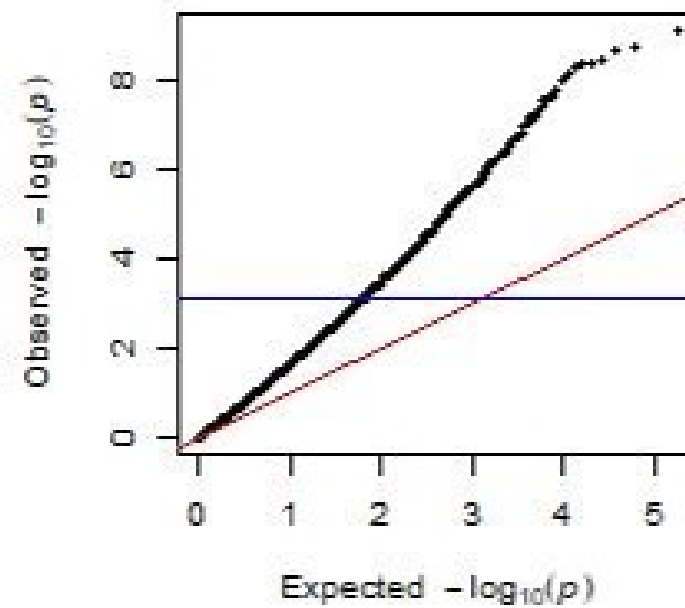


# trait: ADF\_10\_me17

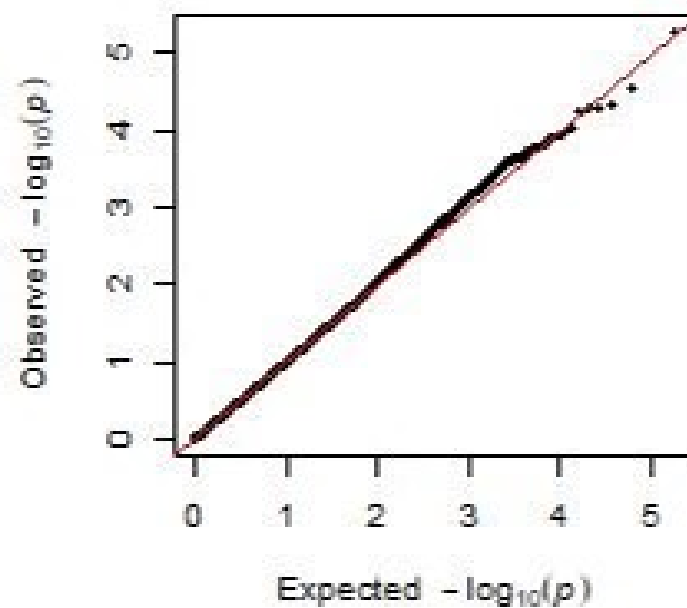
No accounting for kinship or structure



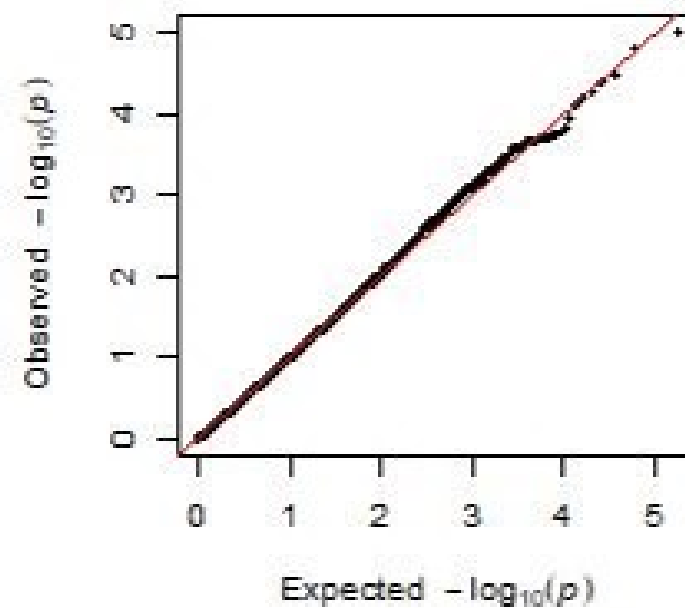
Accounting only for structure



Accounting only for kinship

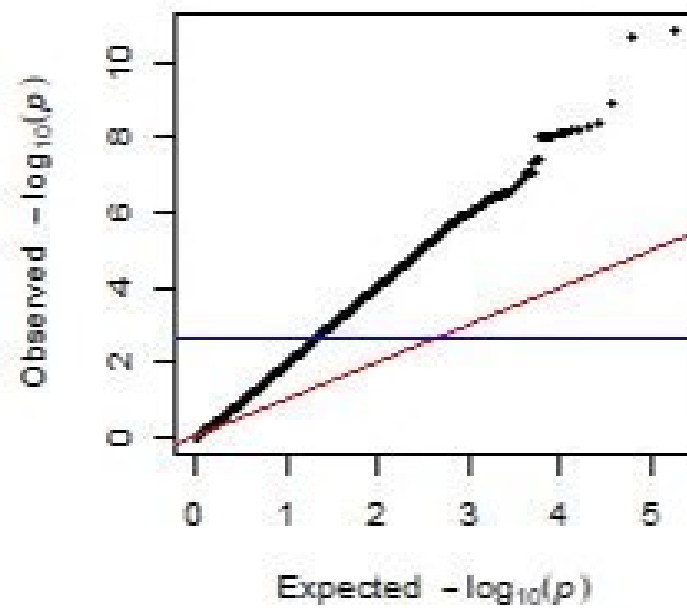


Accounting for kinship and structure

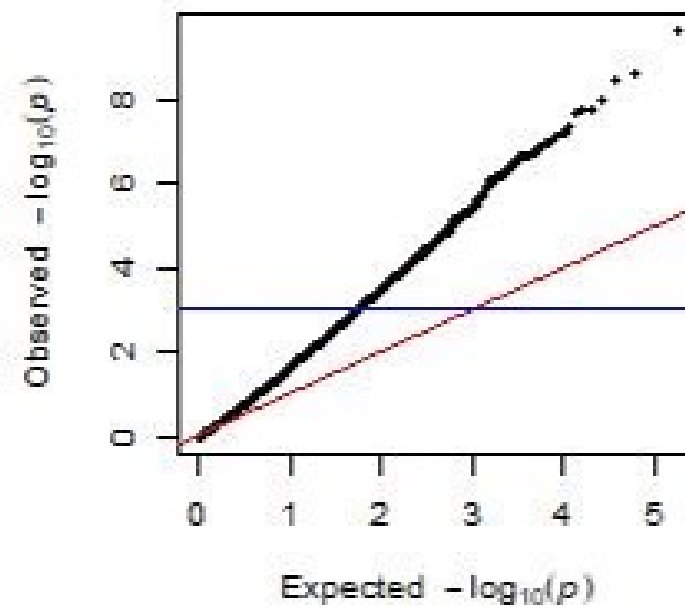


# trait: ADF\_avg

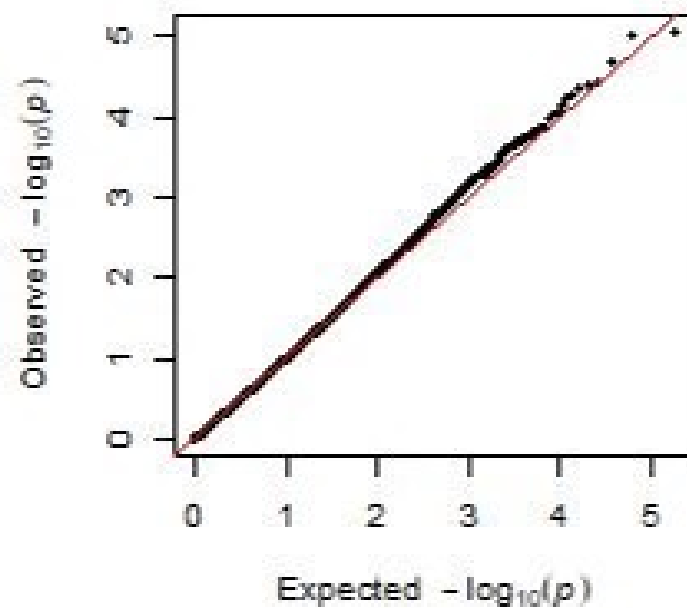
No accounting for kinship or structure



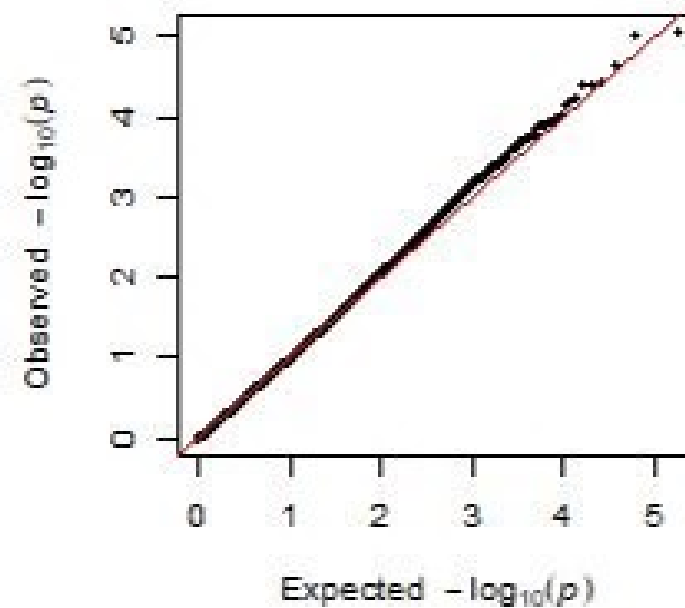
Accounting only for structure



Accounting only for kinship

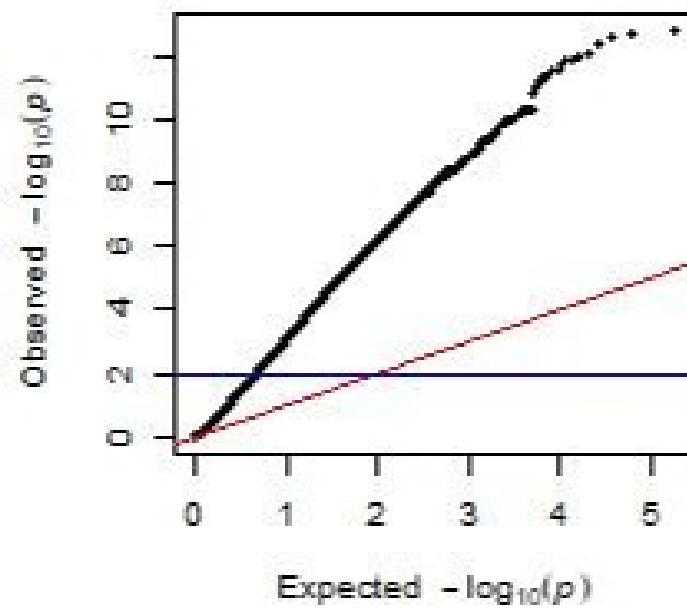


Accounting for kinship and structure

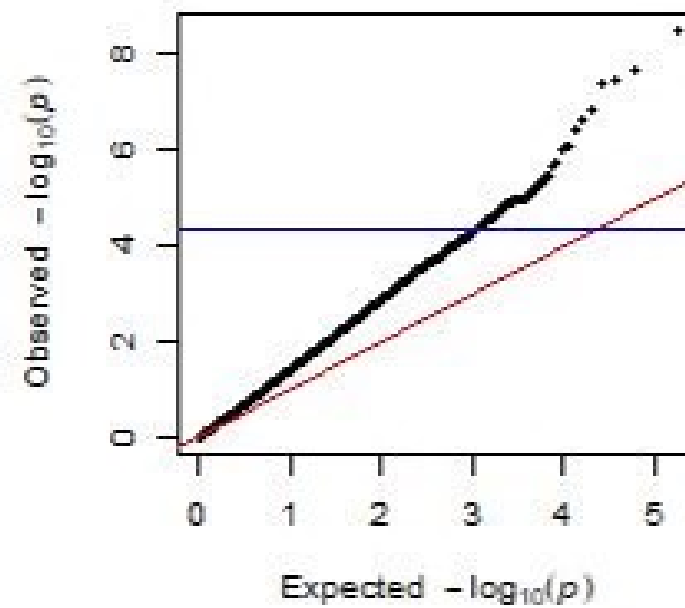


# trait: ADL\_04\_me17

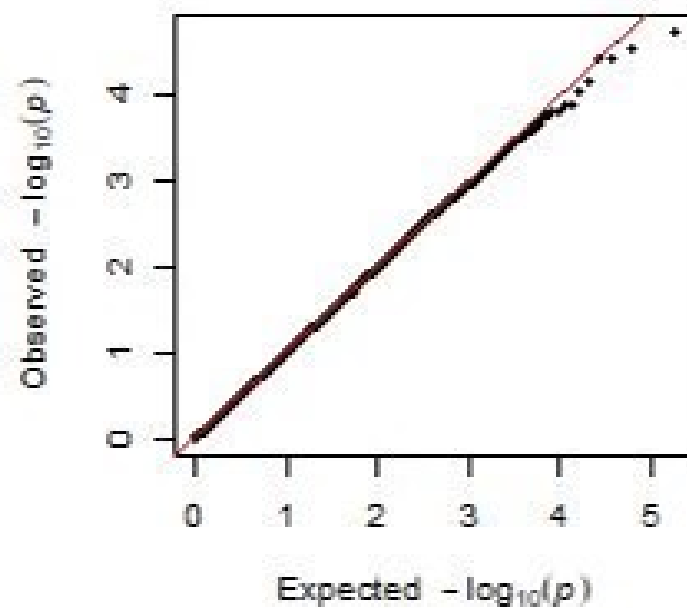
No accounting for kinship or structure



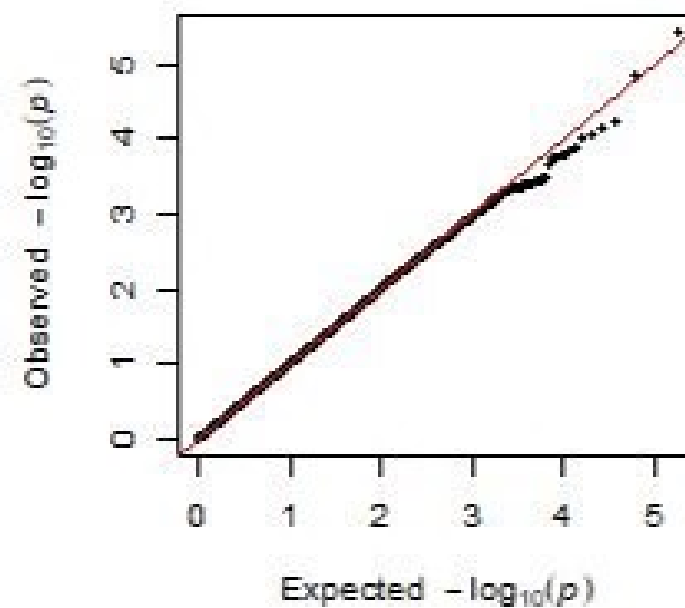
Accounting only for structure



Accounting only for kinship

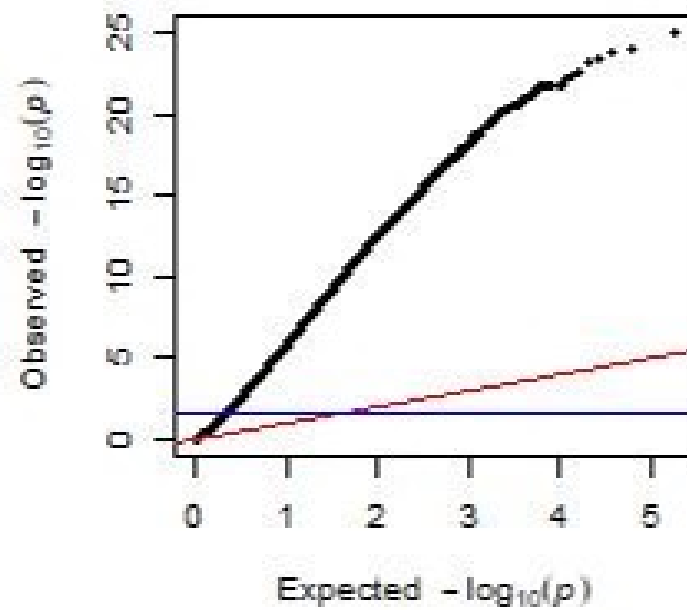


Accounting for kinship and structure

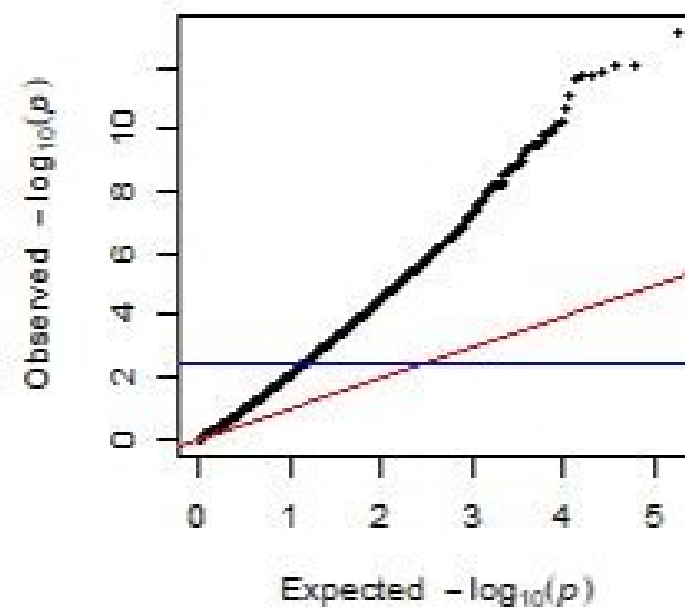


# trait: ADL\_10\_me17

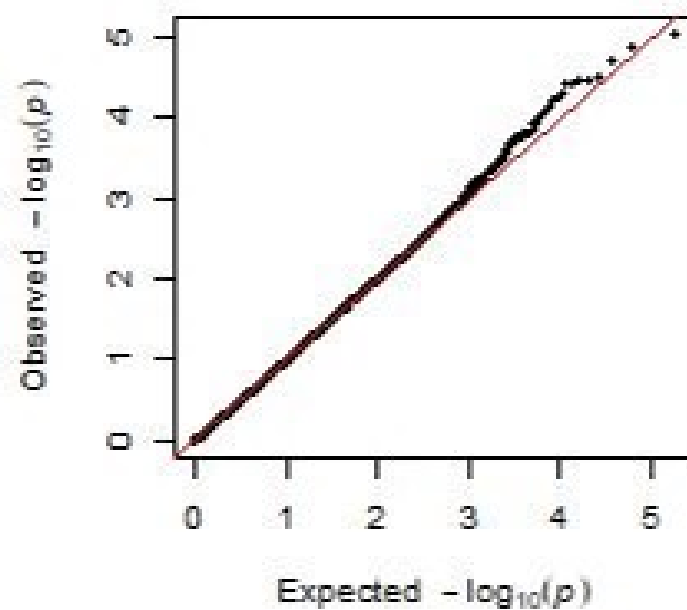
No accounting for kinship or structure



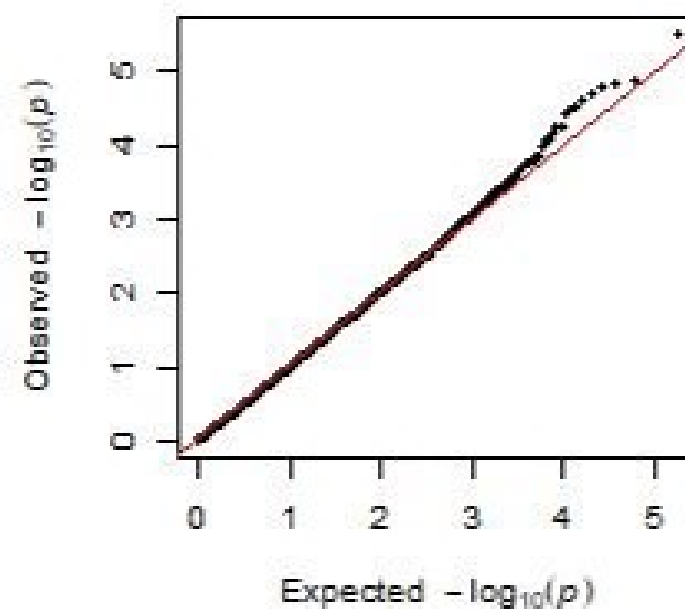
Accounting only for structure



Accounting only for kinship

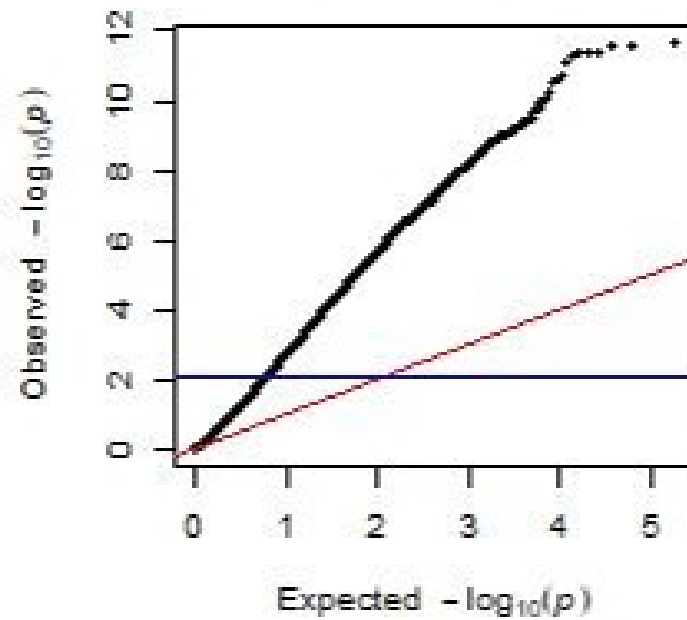


Accounting for kinship and structure

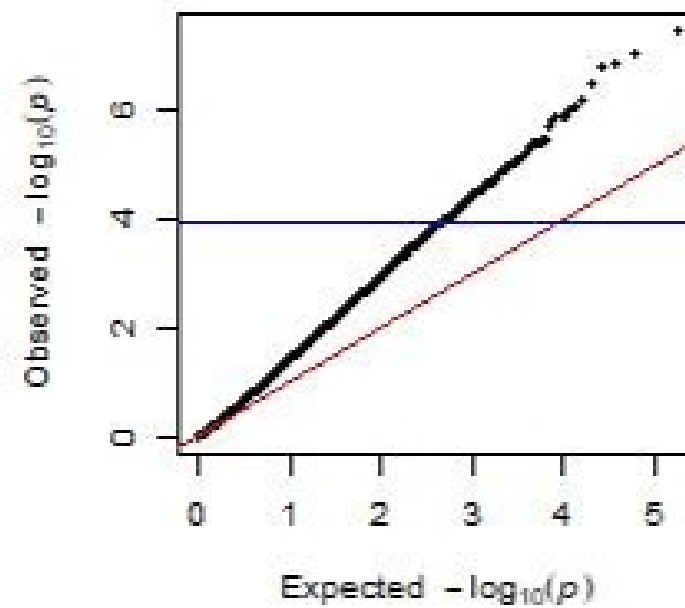


# trait: ADL\_avg

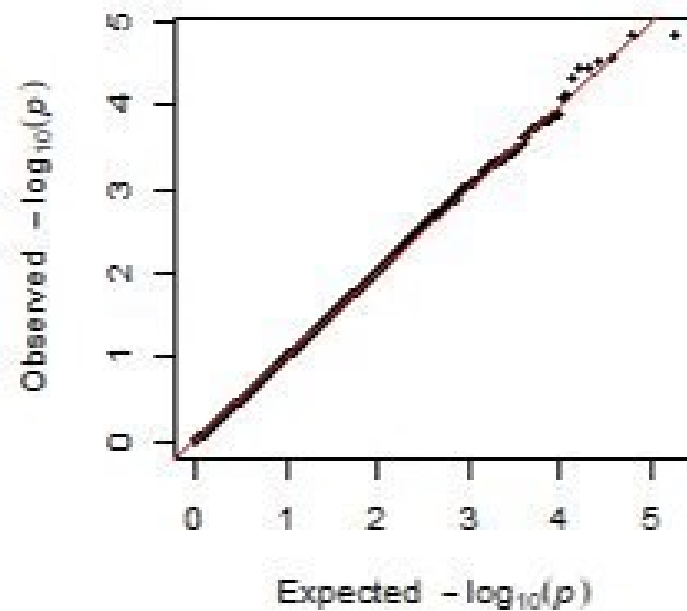
No accounting for kinship or structure



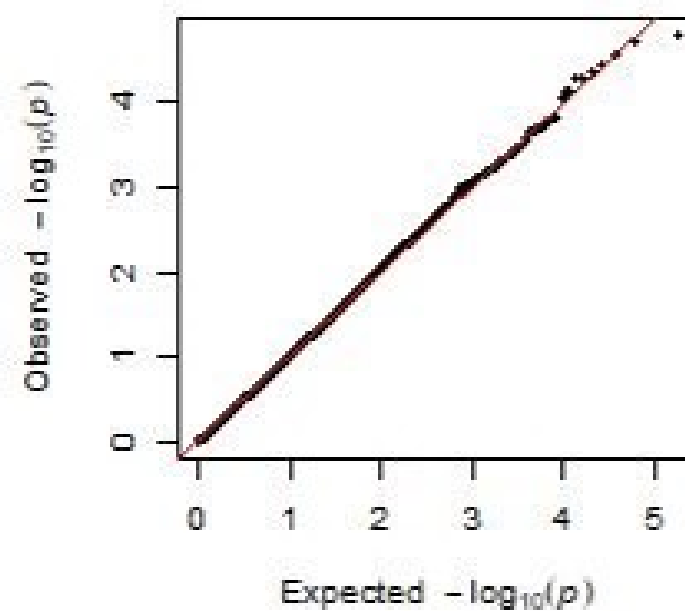
Accounting only for structure



Accounting only for kinship

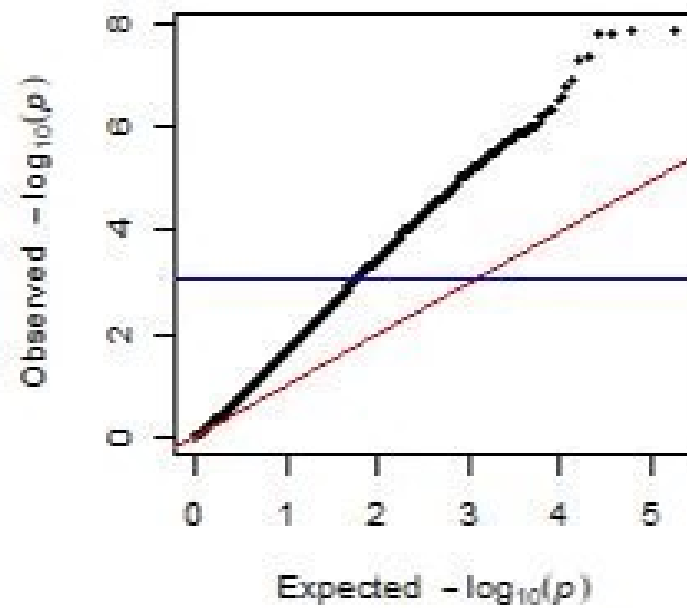


Accounting for kinship and structure

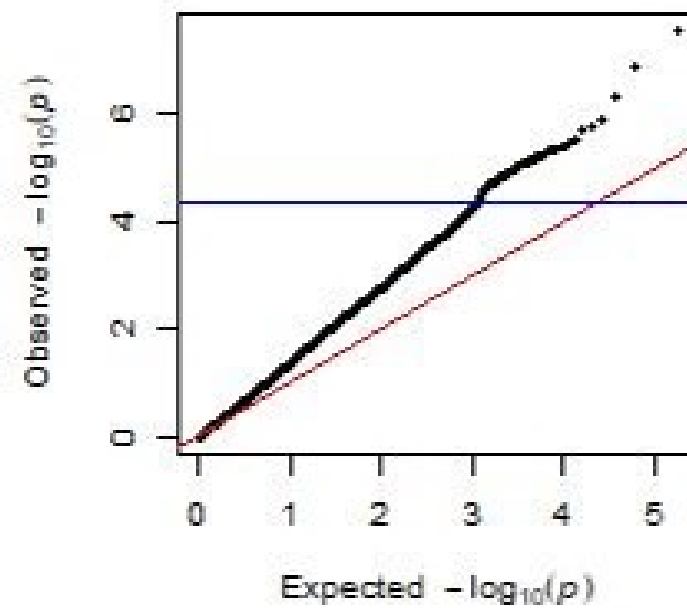


# trait: AGR\_me17

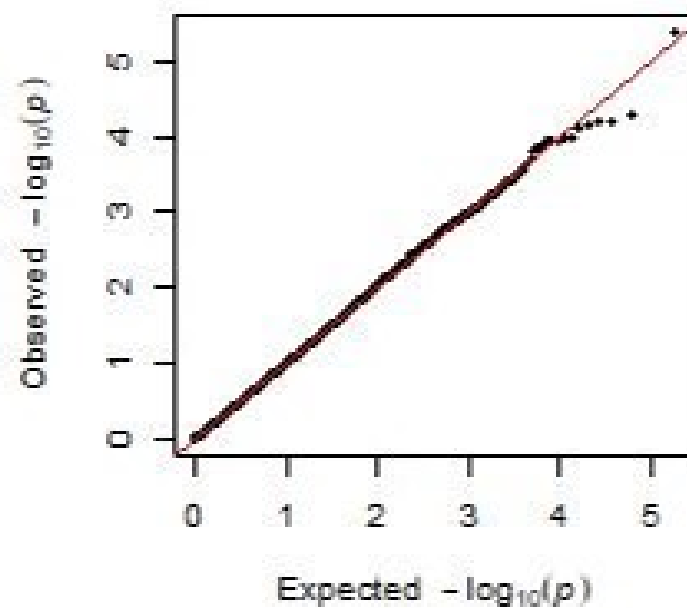
No accounting for kinship or structure



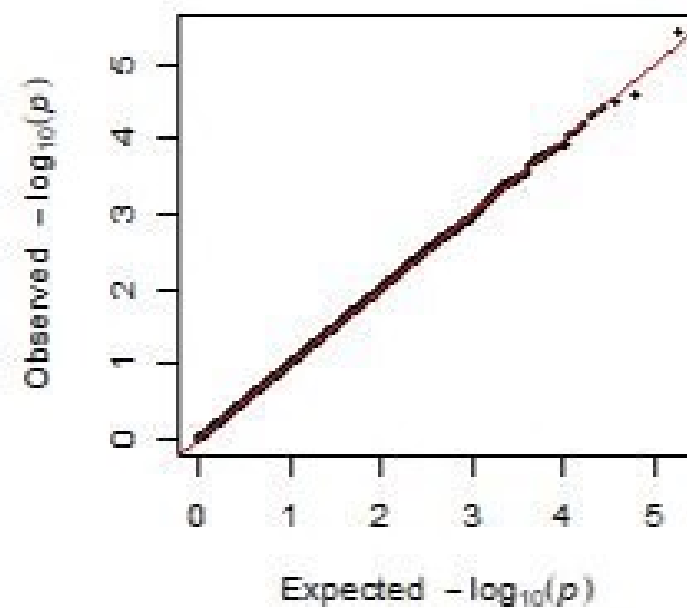
Accounting only for structure



Accounting only for kinship



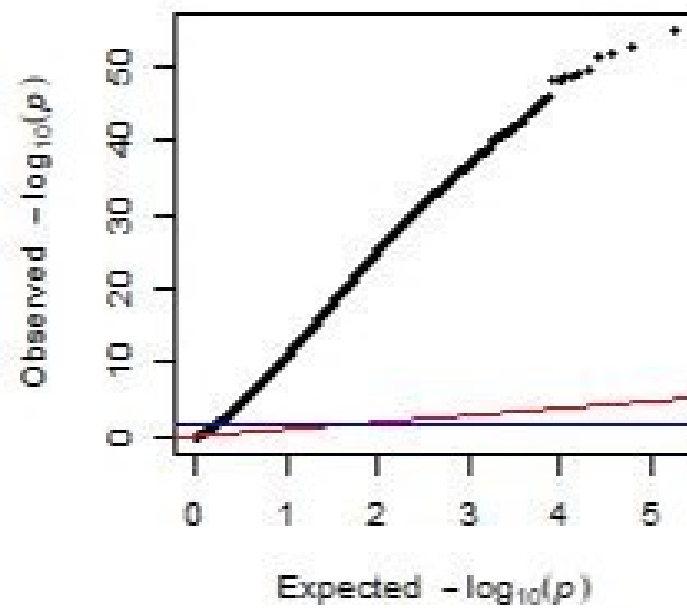
Accounting for kinship and structure



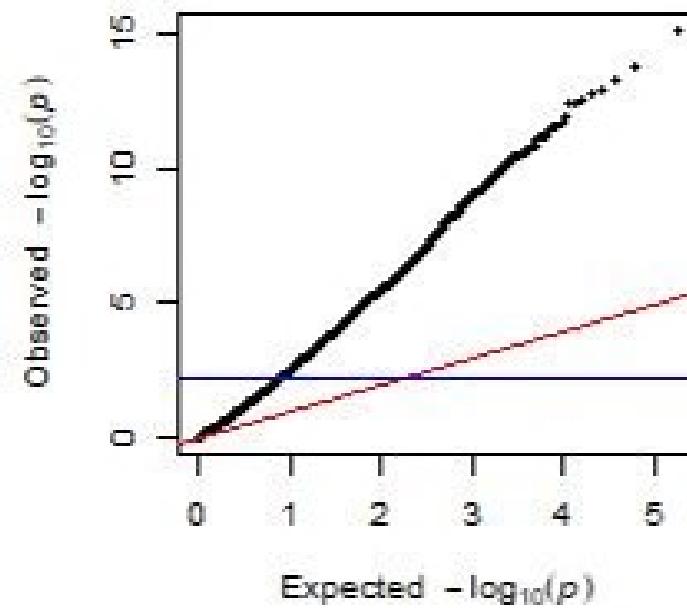


# trait: AGR\_po17

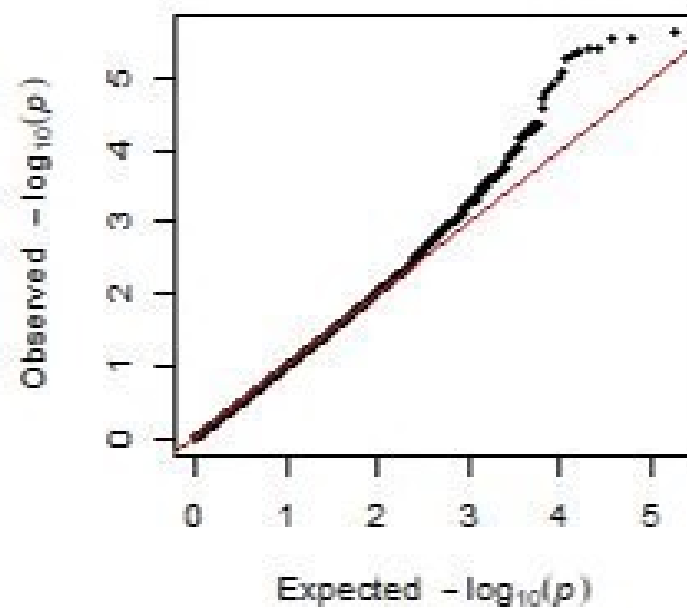
No accounting for kinship or structure



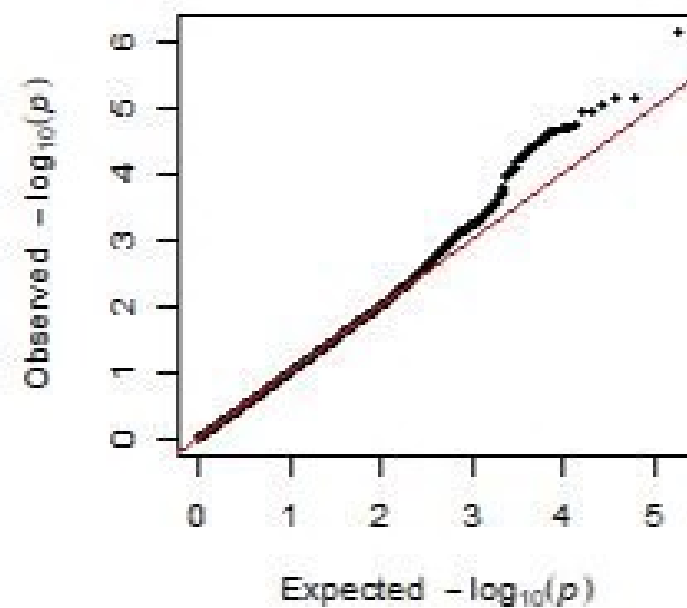
Accounting only for structure



Accounting only for kinship

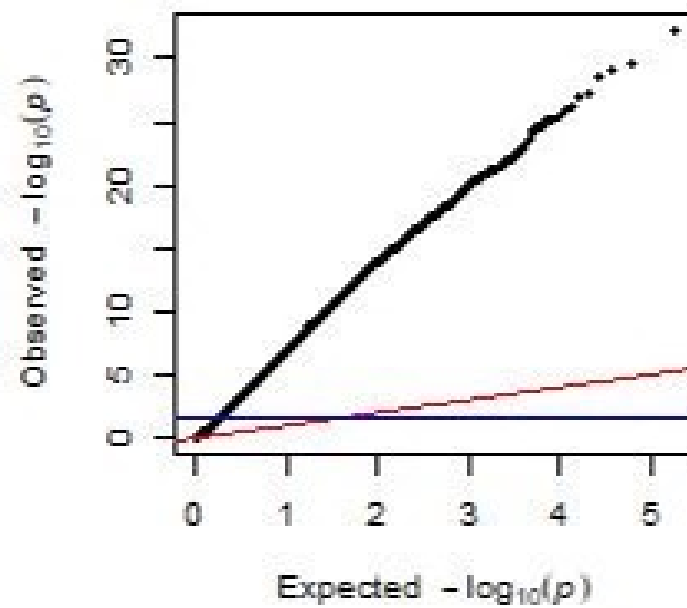


Accounting for kinship and structure

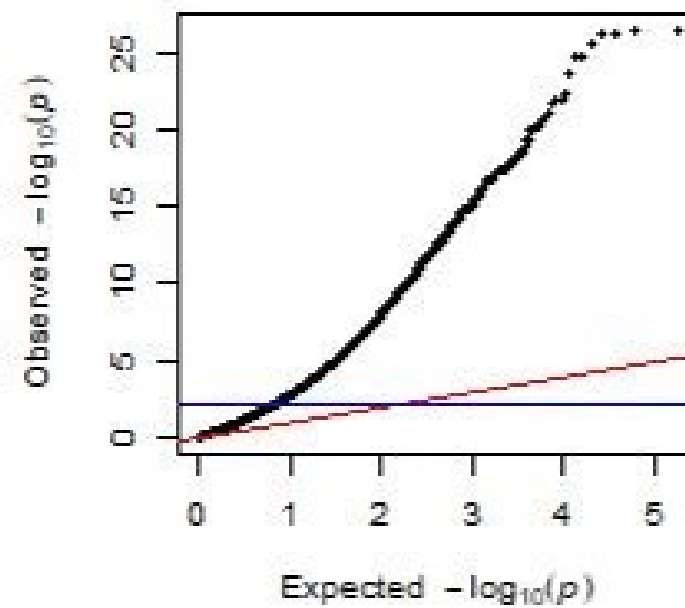


# trait: AHD\_avg

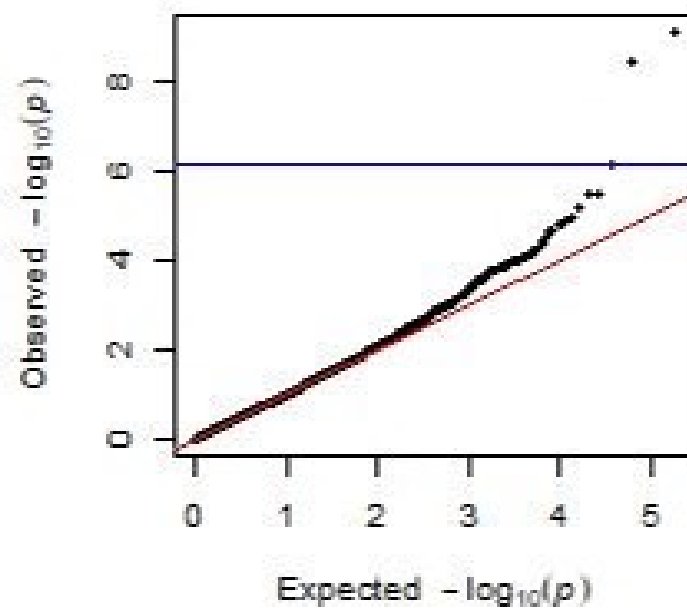
No accounting for kinship or structure



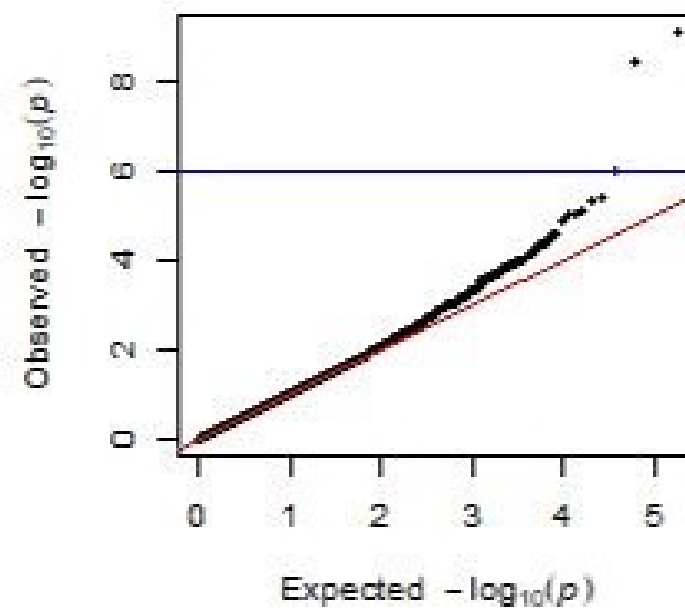
Accounting only for structure



Accounting only for kinship

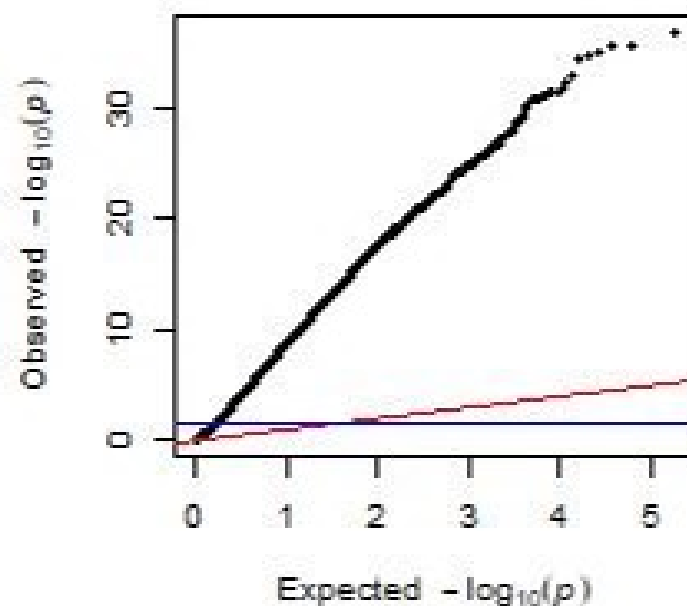


Accounting for kinship and structure

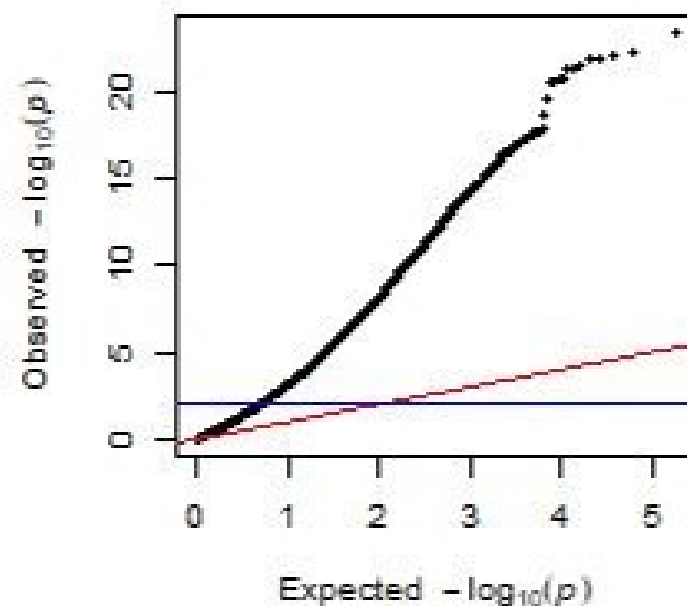


# trait: AHD\_lu16

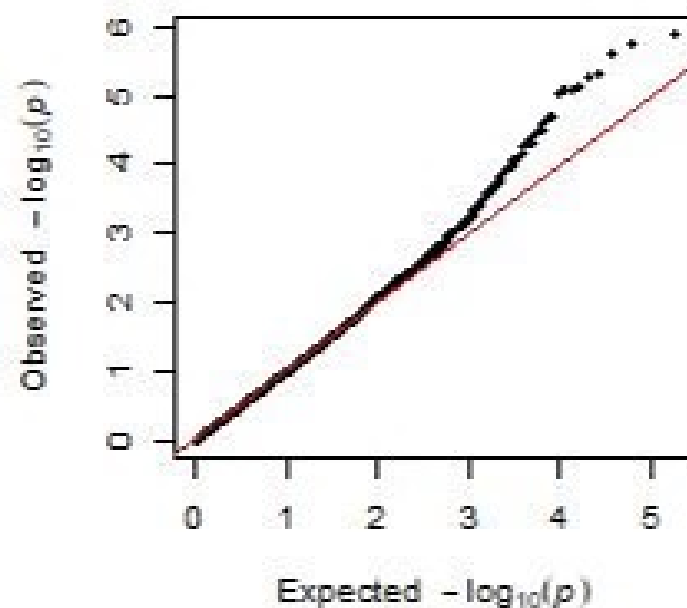
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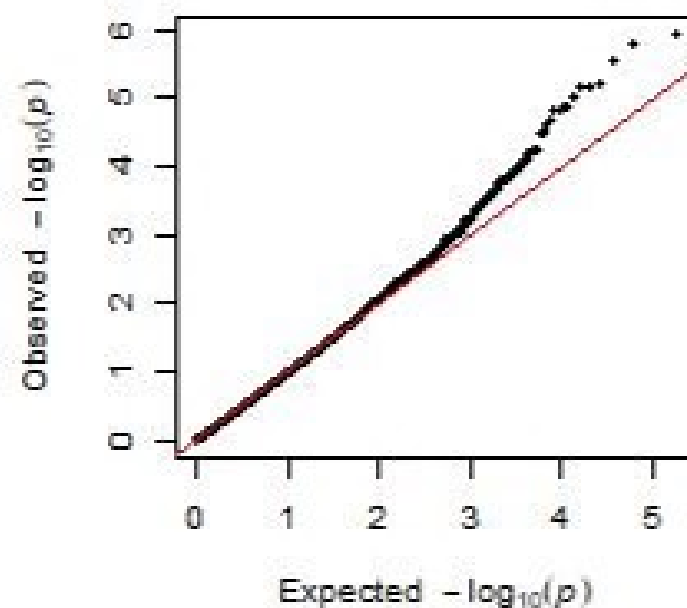
Accounting only for structure



Accounting only for kinship

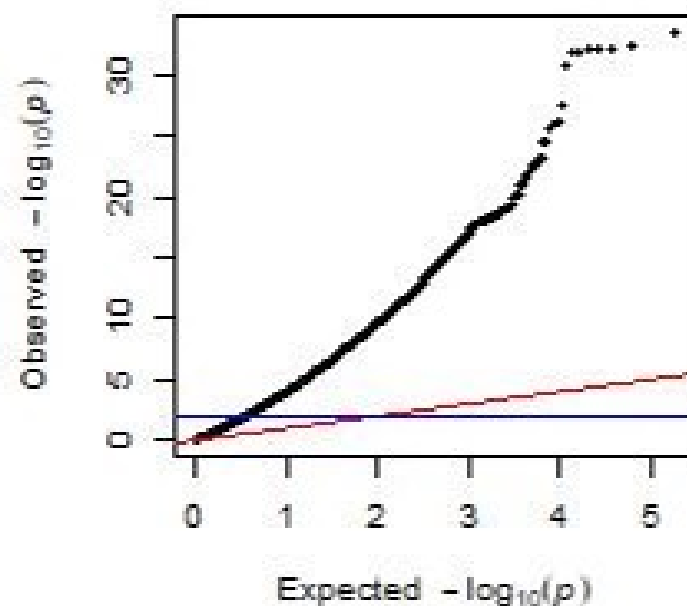


Accounting for kinship and structure

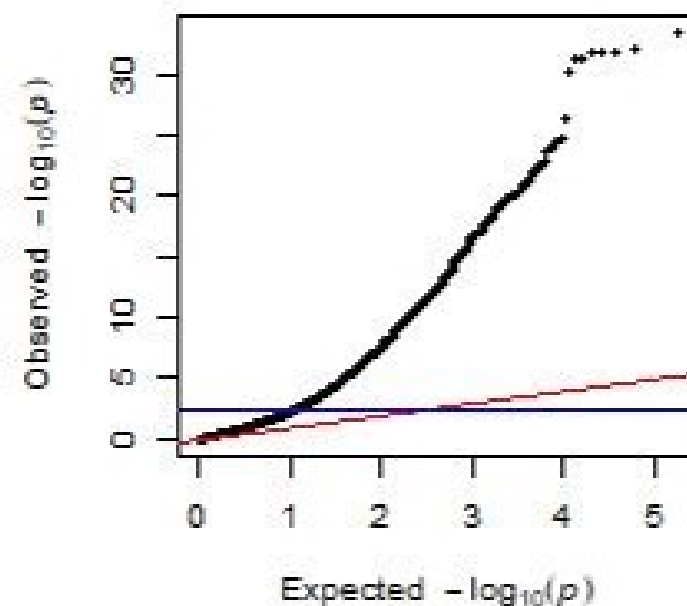


# trait: AHD\_lu17

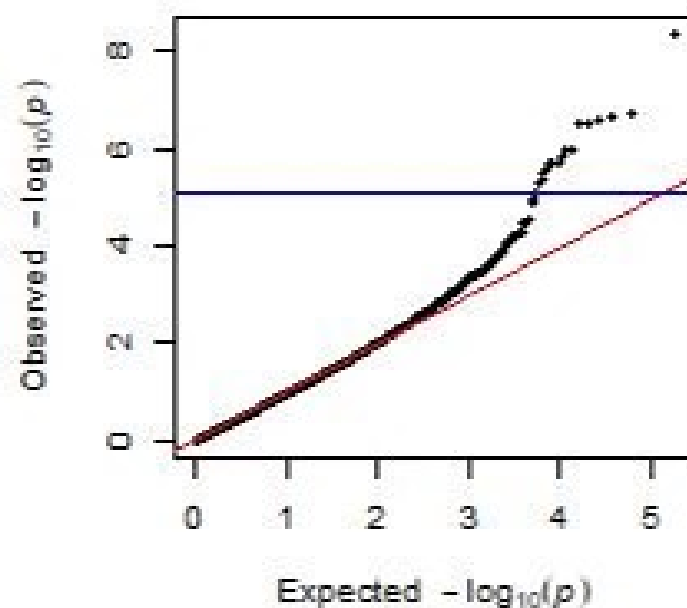
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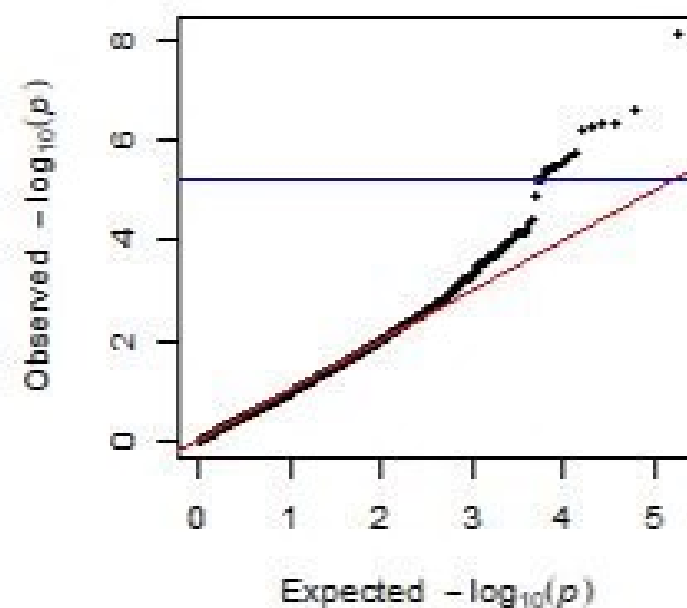
Accounting only for structure



Accounting only for kinship

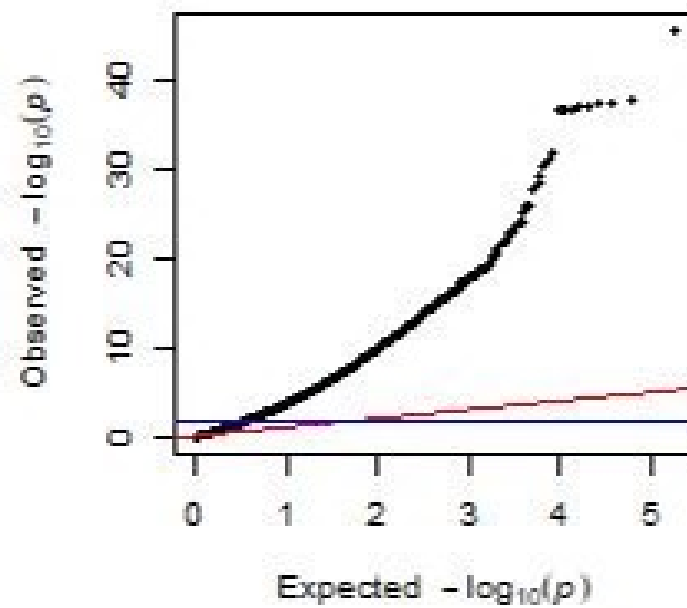


Accounting for kinship and structure

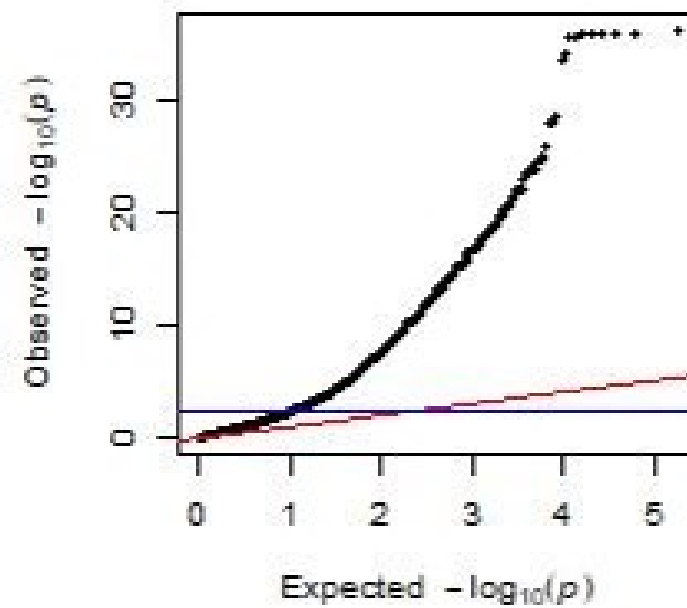


# trait: AHD\_me16

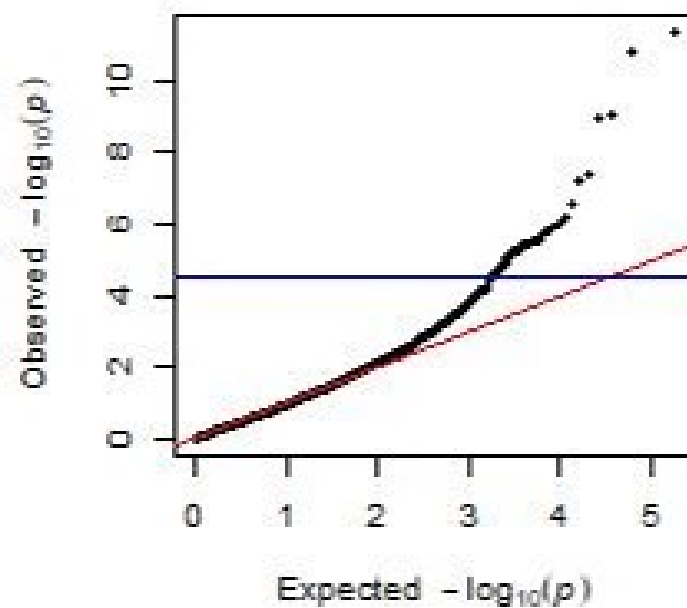
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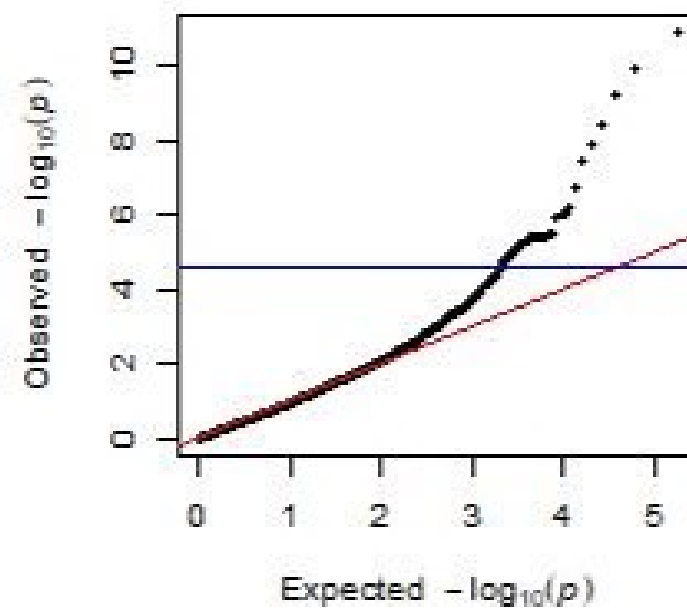
Accounting only for structure



Accounting only for kinship

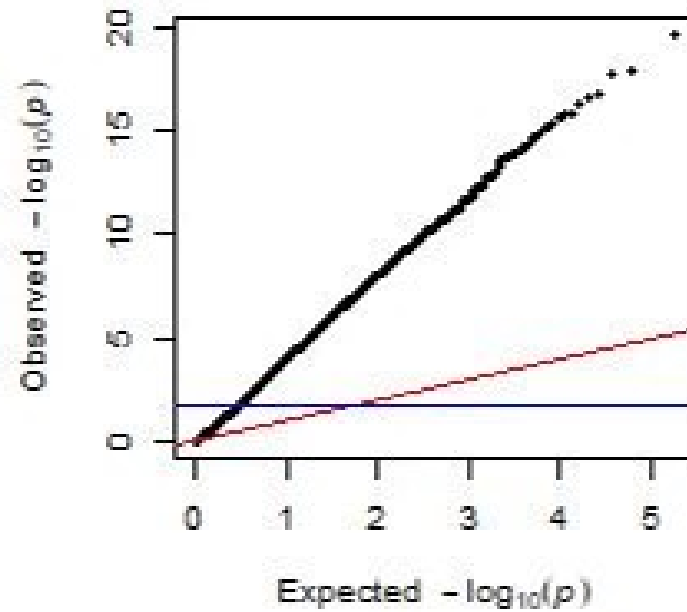


Accounting for kinship and structure

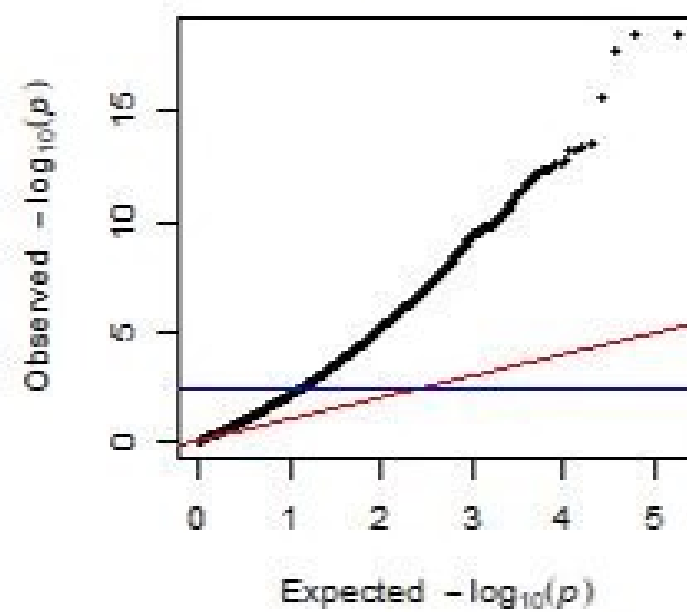


# trait: AHD\_me17

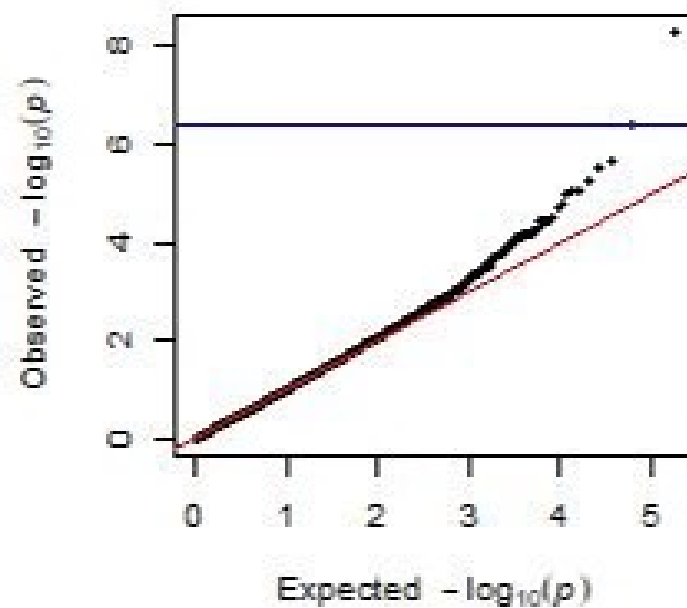
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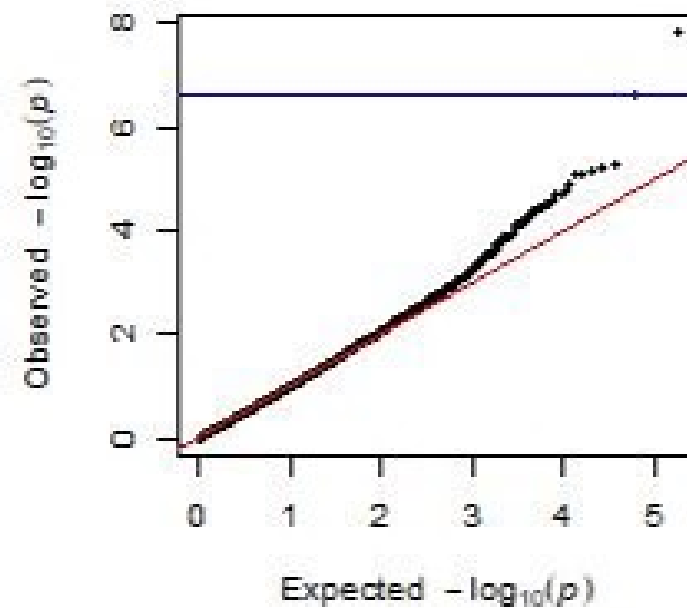
Accounting only for structure



Accounting only for kinship

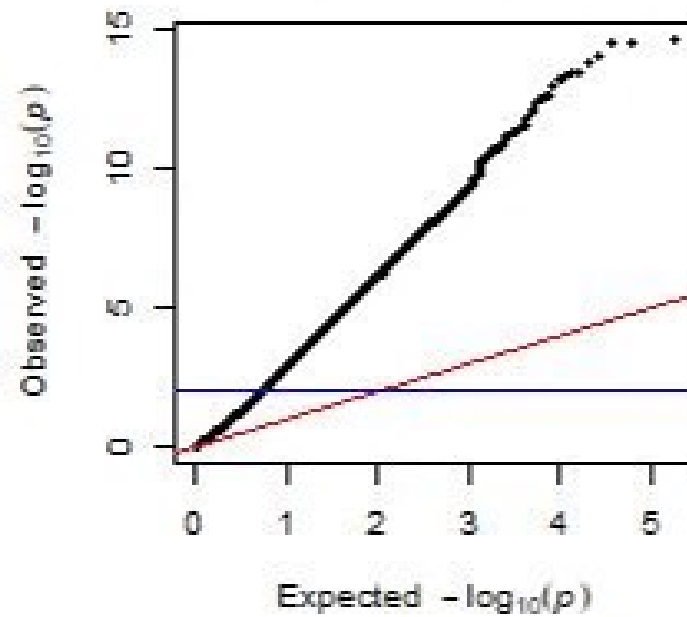


Accounting for kinship and structure

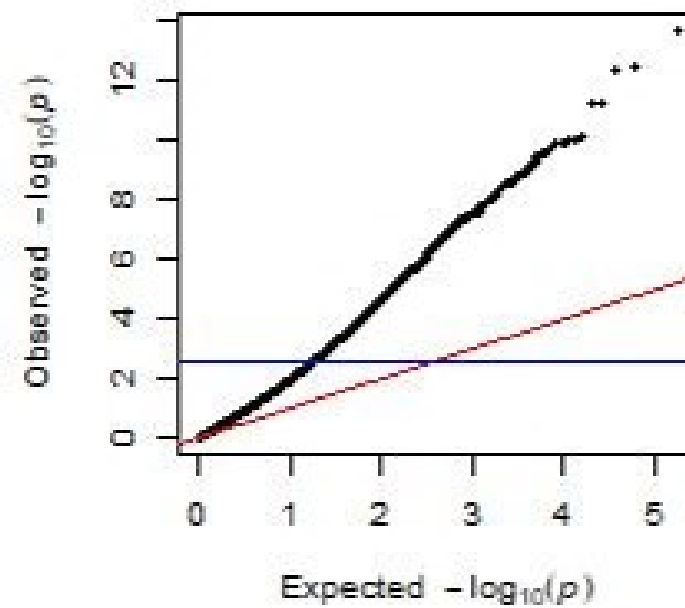


# trait: AHD\_po16

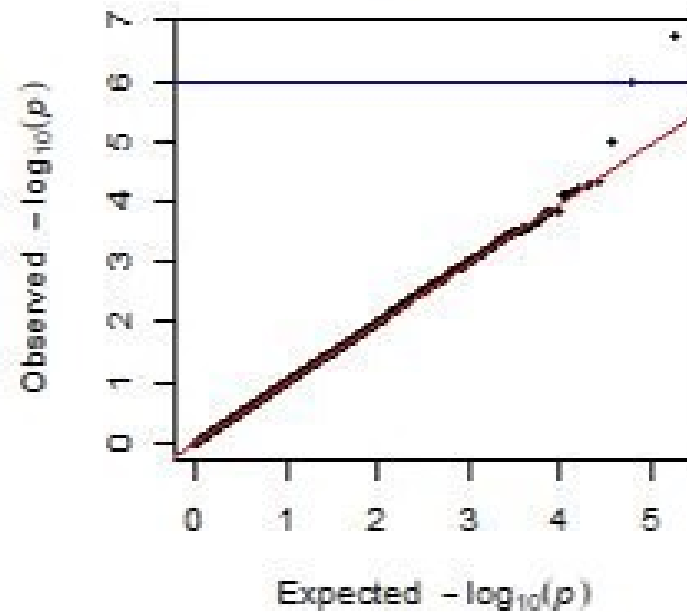
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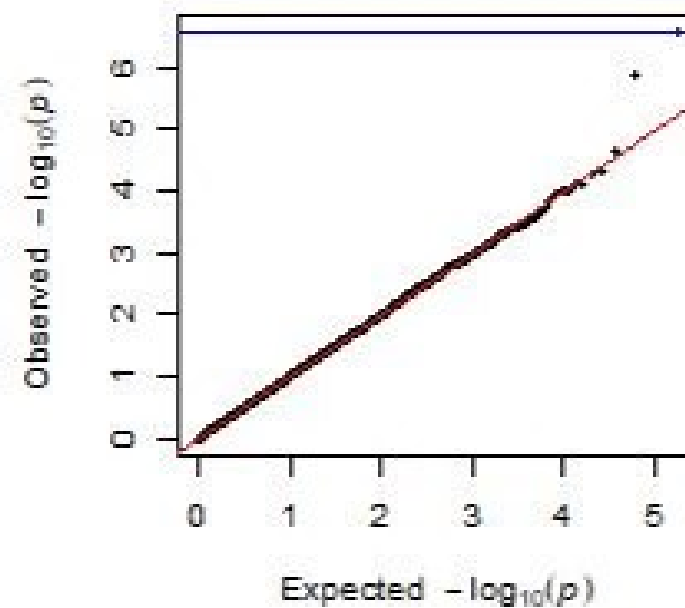
Accounting only for structure



Accounting only for kinship

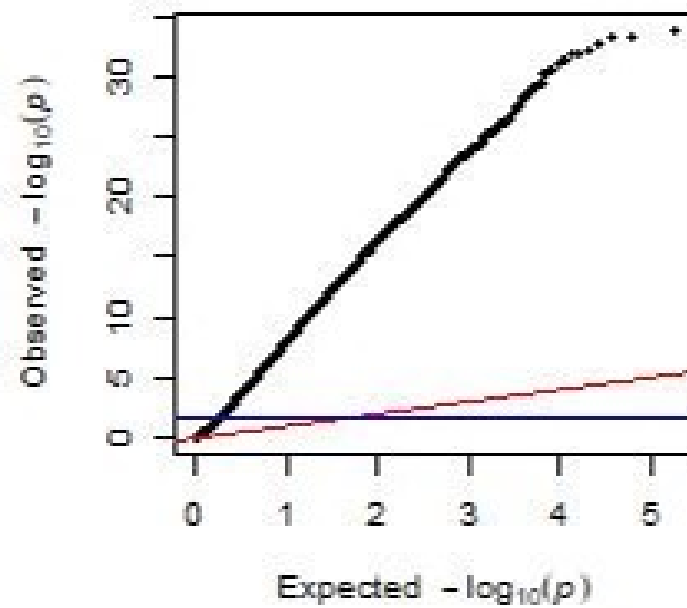


Accounting for kinship and structure

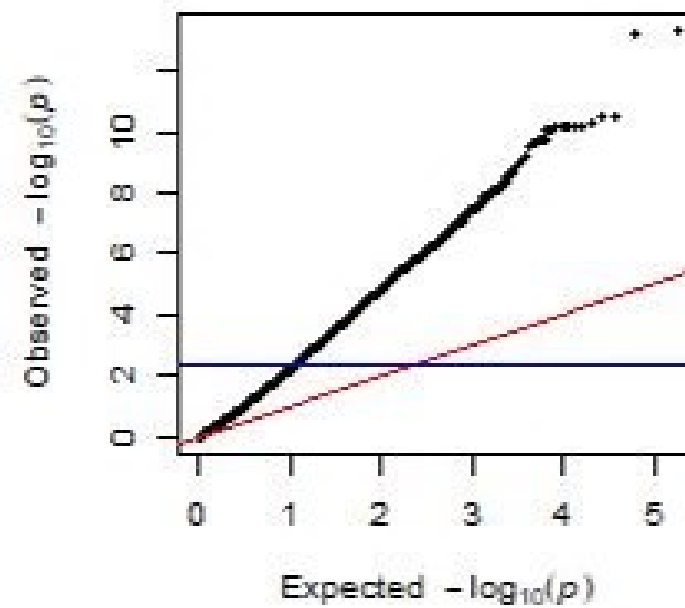


# trait: AHD\_po17

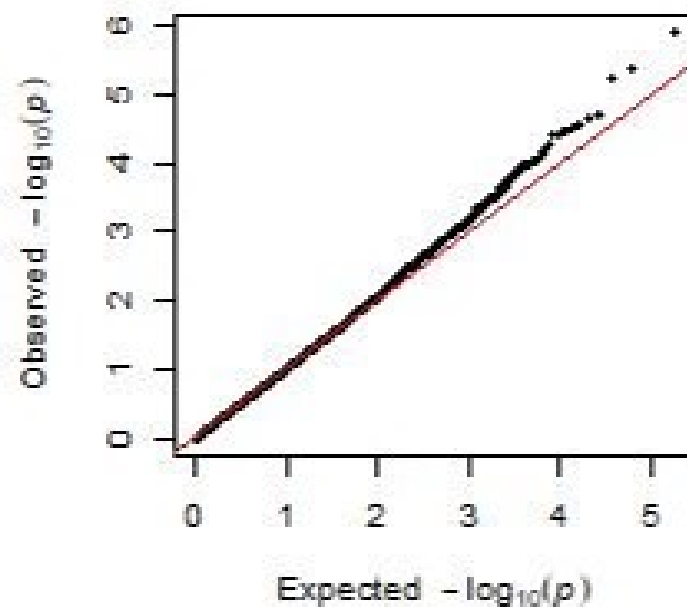
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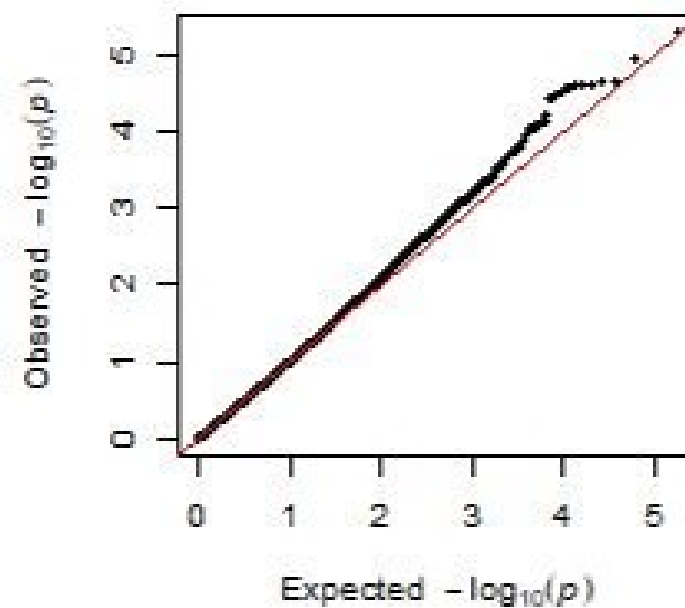
Accounting only for structure



Accounting only for kinship



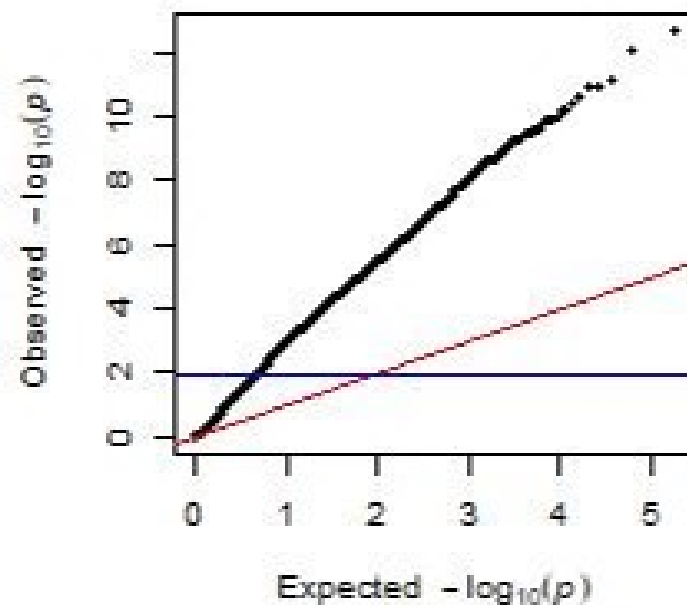
Accounting for kinship and structure



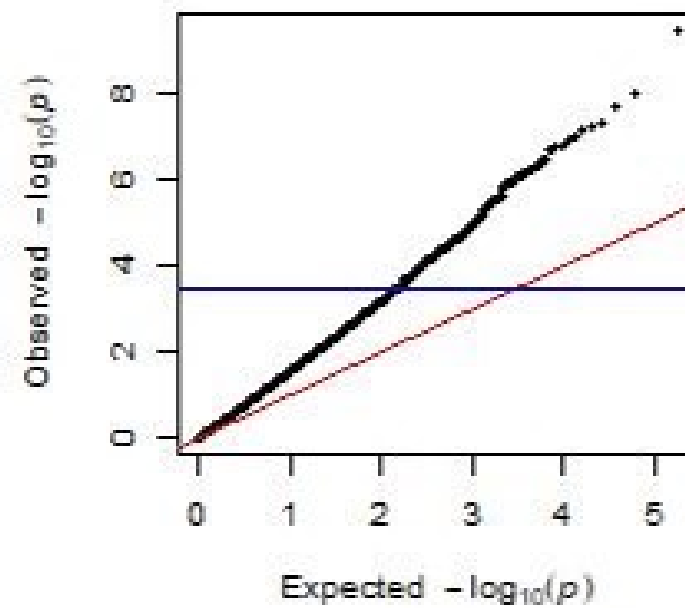


# trait: AMH\_me17

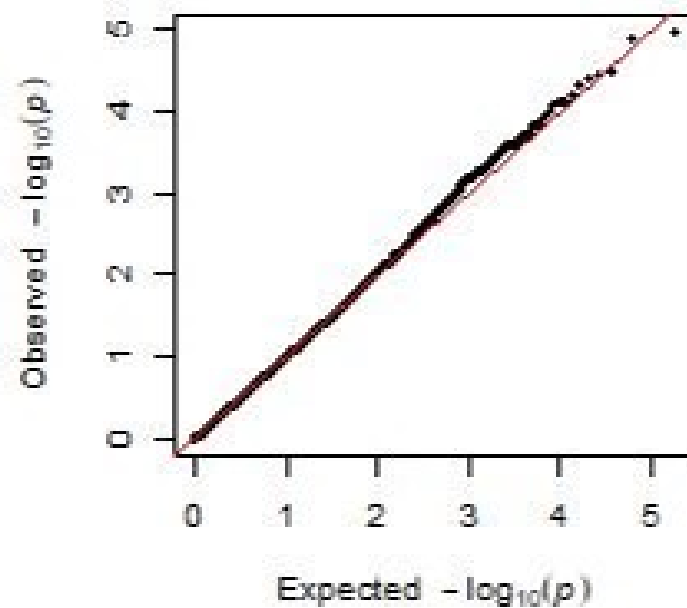
No accounting for kinship or structure



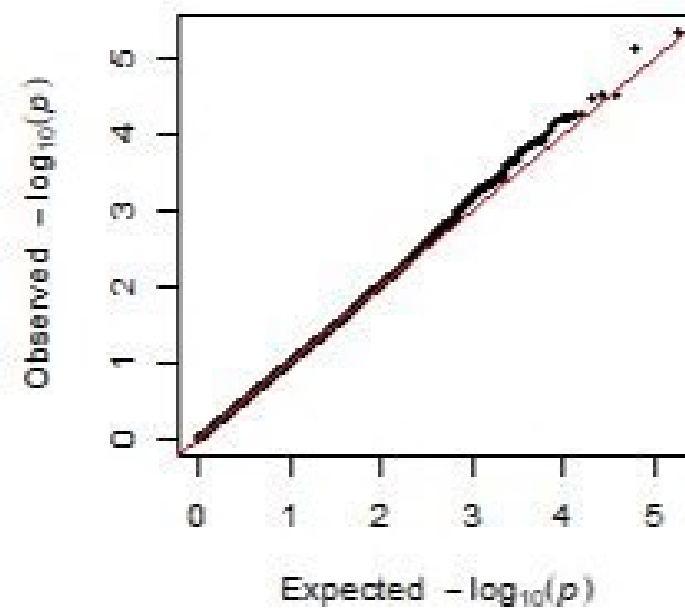
Accounting only for structure



Accounting only for kinship

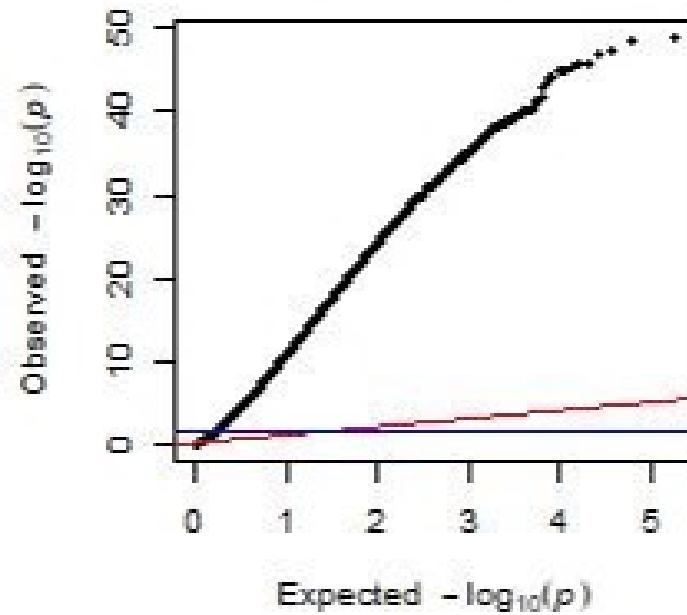


Accounting for kinship and structure

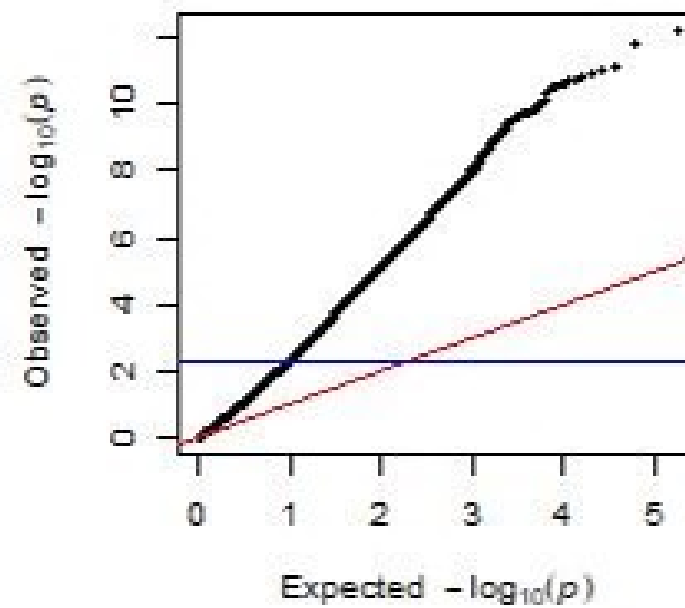


# trait: AMH\_po17

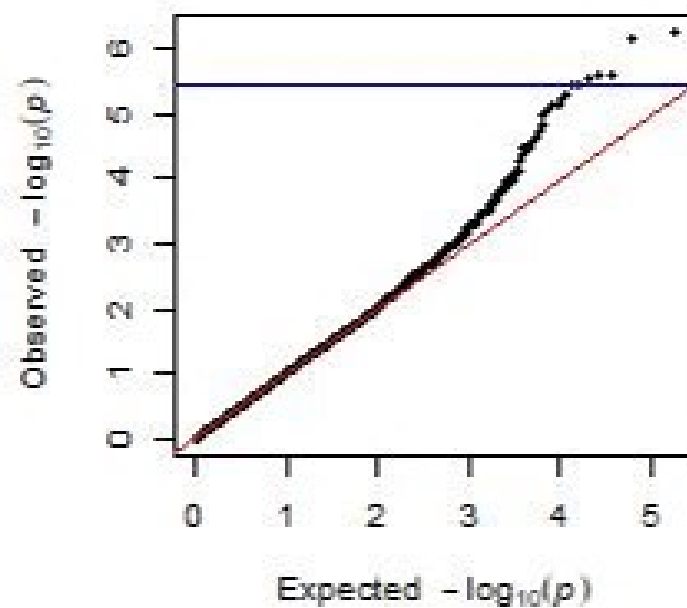
No accounting for kinship or structure



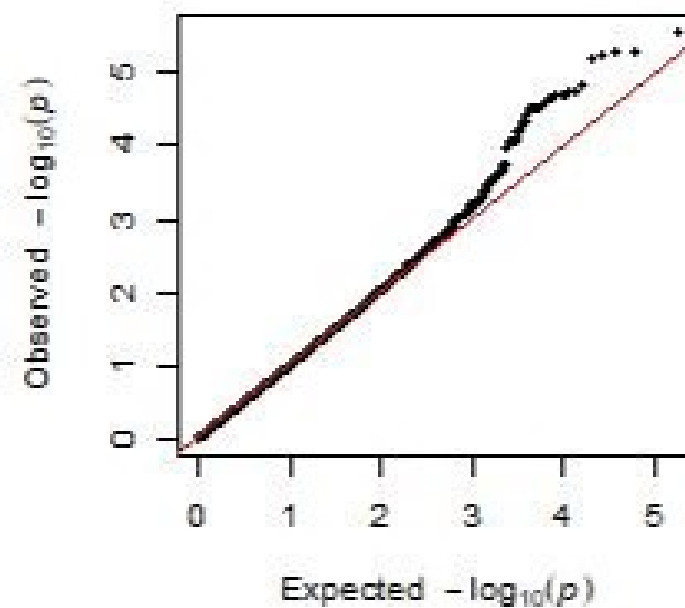
Accounting only for structure



Accounting only for kinship

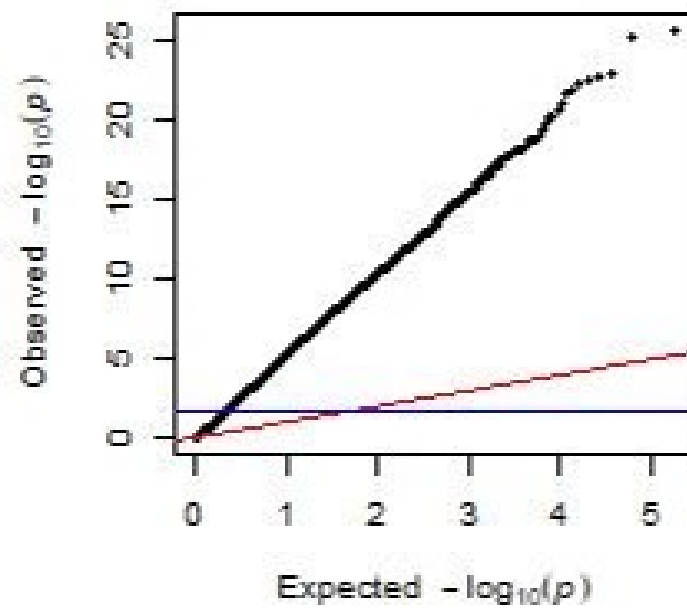


Accounting for kinship and structure

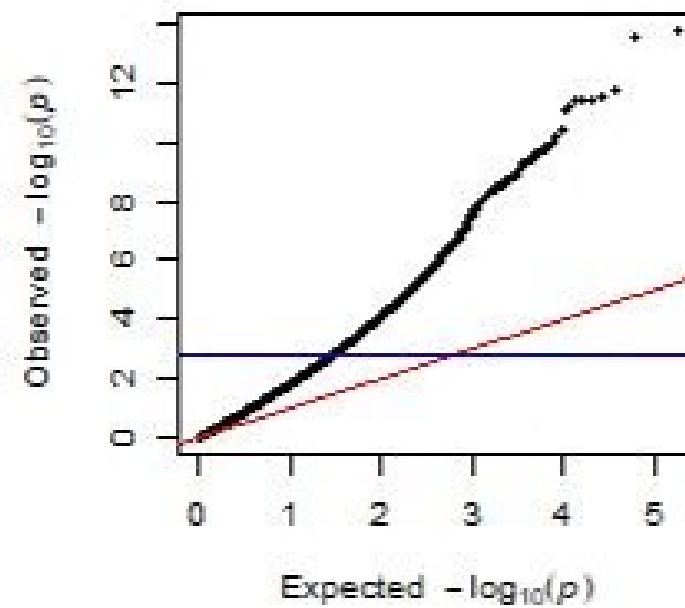


# trait: CH300h\_lu16

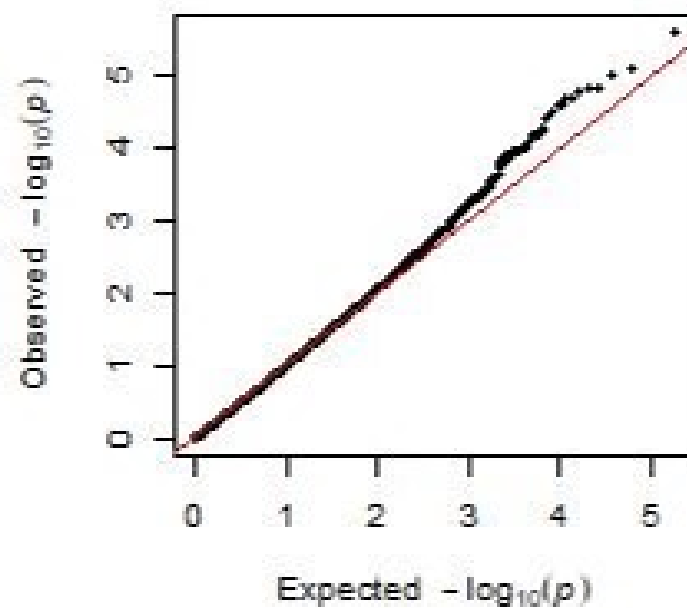
No accounting for kinship or structure



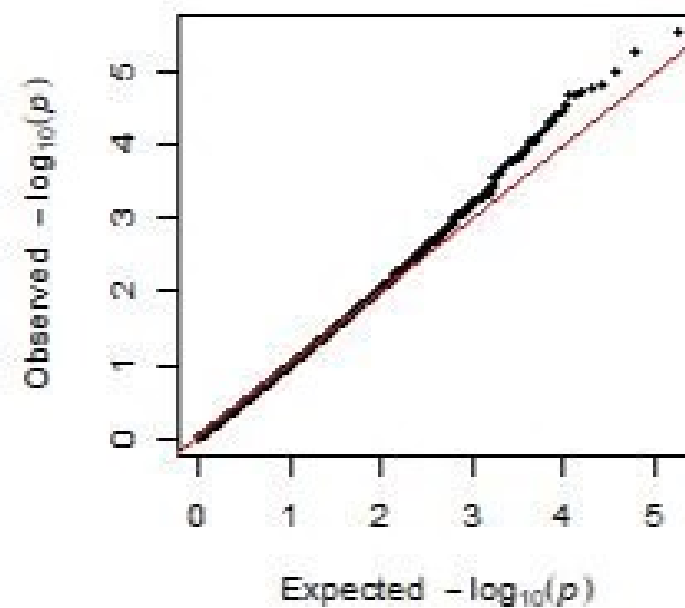
Accounting only for structure



Accounting only for kinship

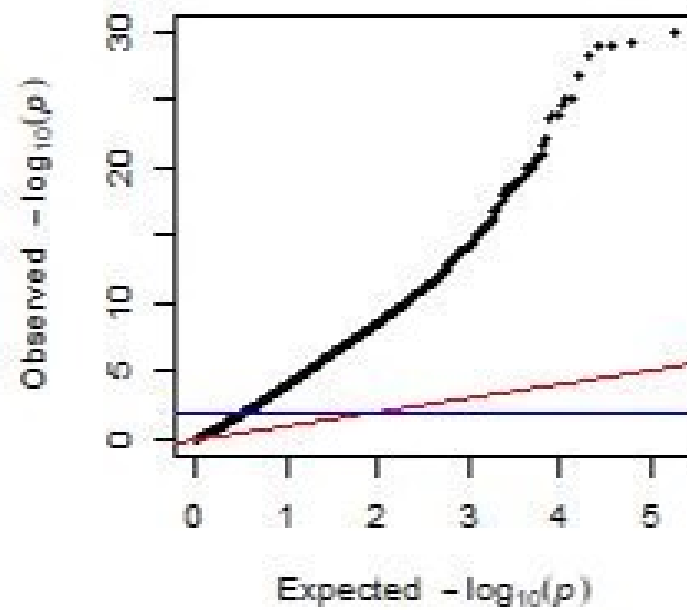


Accounting for kinship and structure

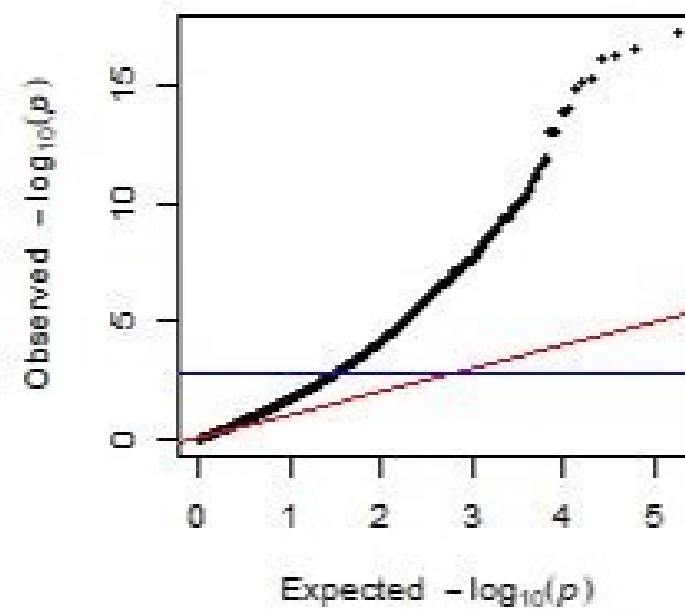


# trait: CH300h\_lu17

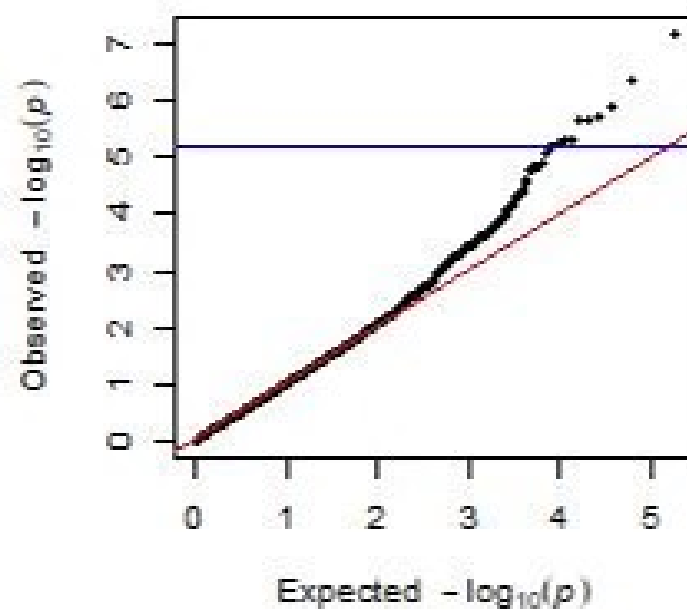
No accounting for kinship or structure



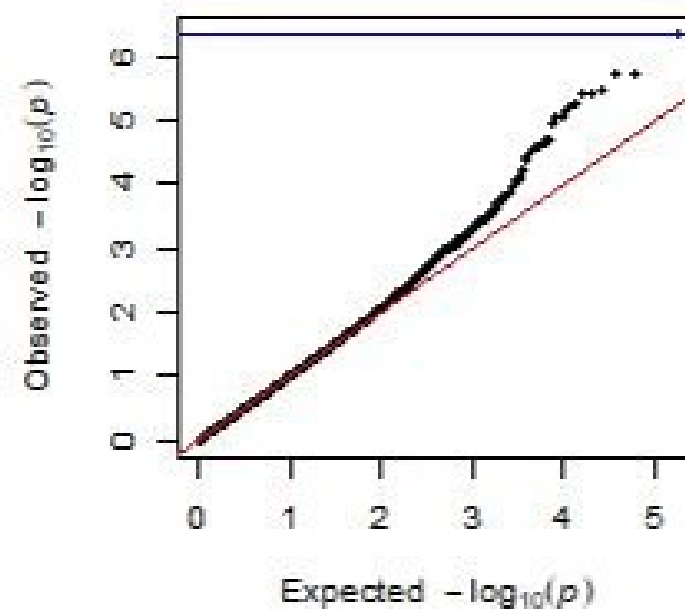
Accounting only for structure



Accounting only for kinship

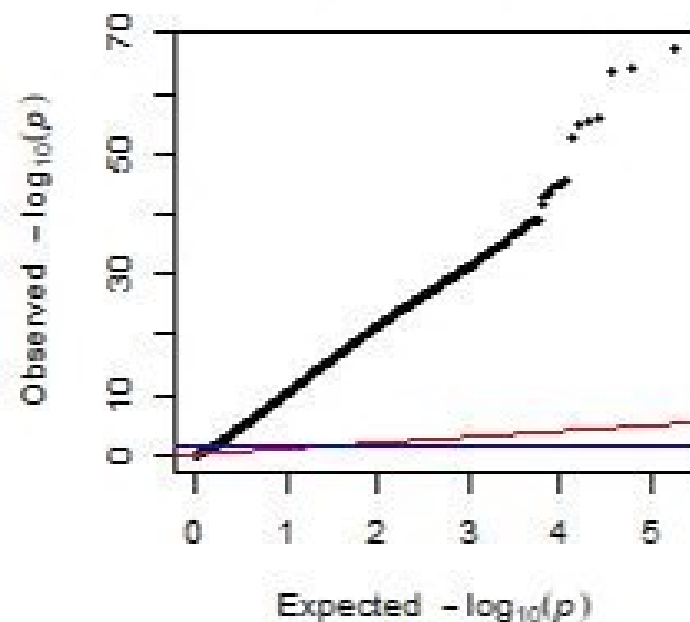


Accounting for kinship and structure

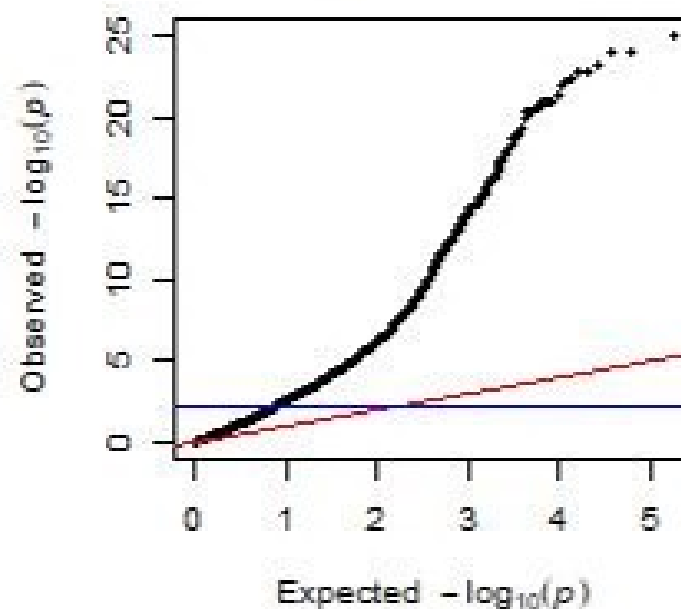


# trait: CH300h\_po16

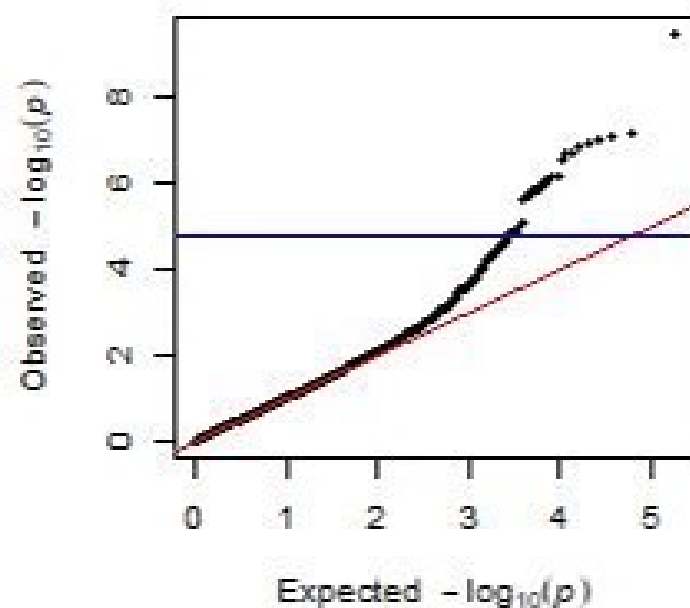
No accounting for kinship or structure



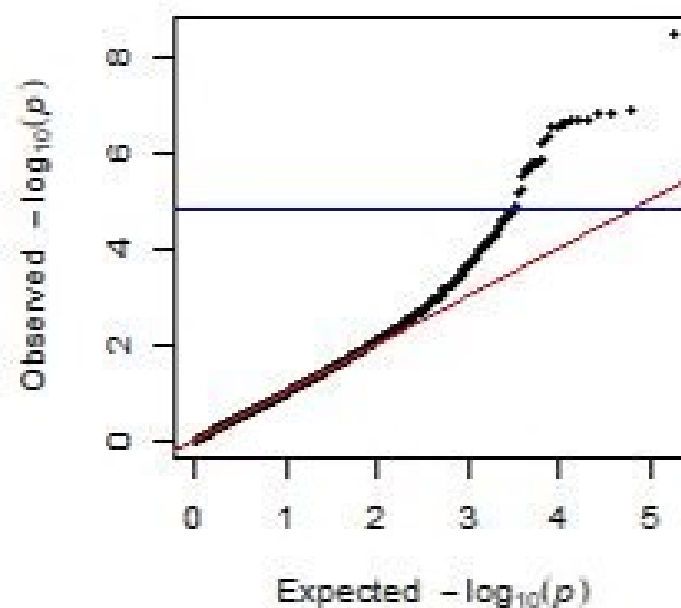
Accounting only for structure



Accounting only for kinship

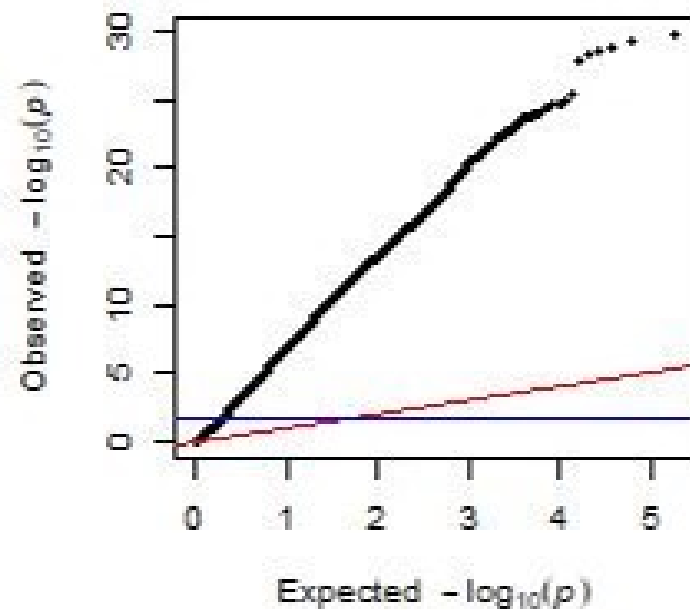


Accounting for kinship and structure

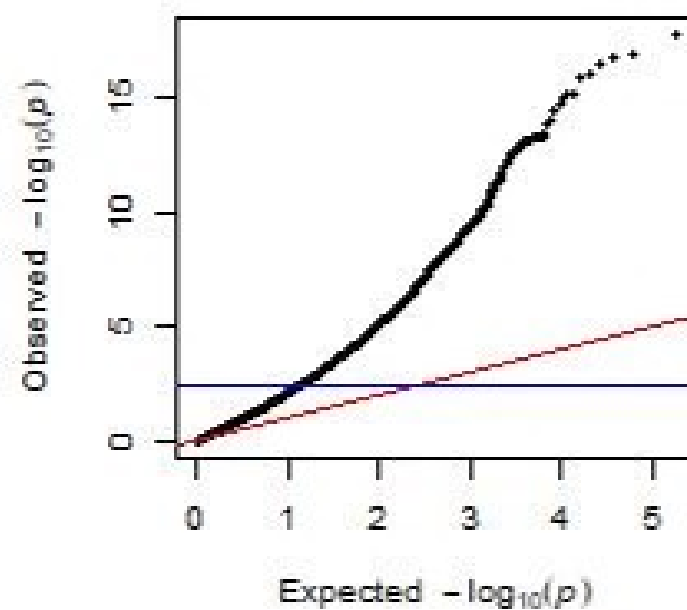


# trait: CH300h\_po17

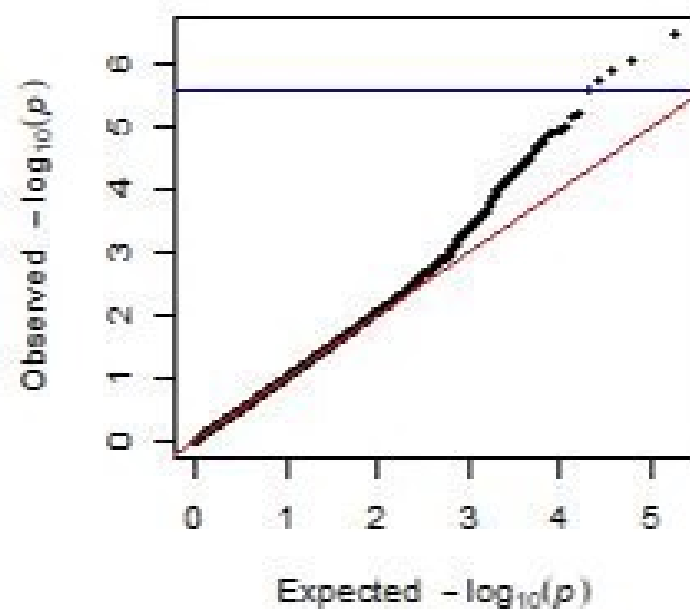
No accounting for kinship or structure



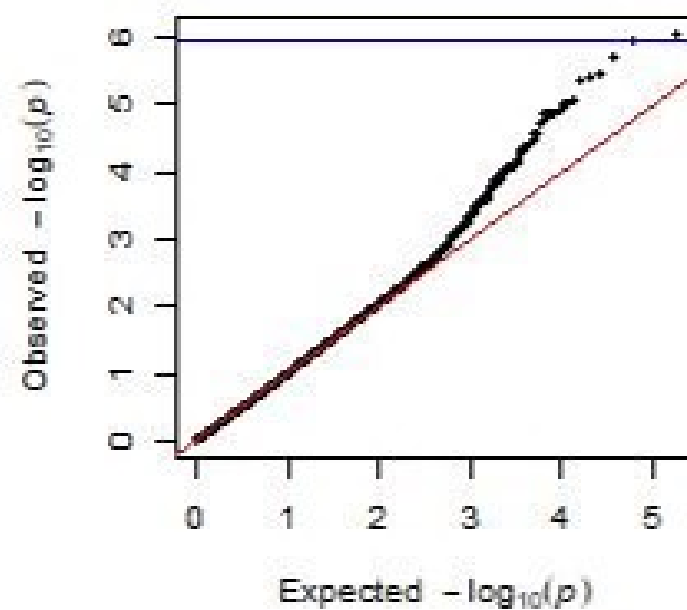
Accounting only for structure



Accounting only for kinship

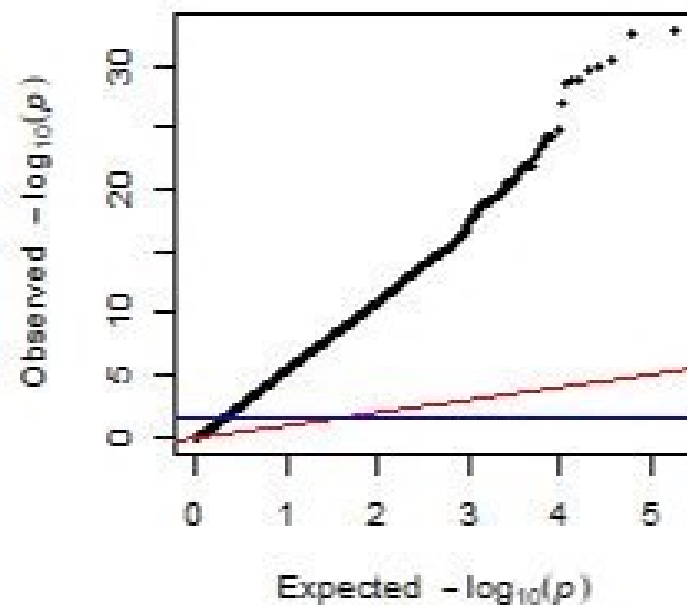


Accounting for kinship and structure

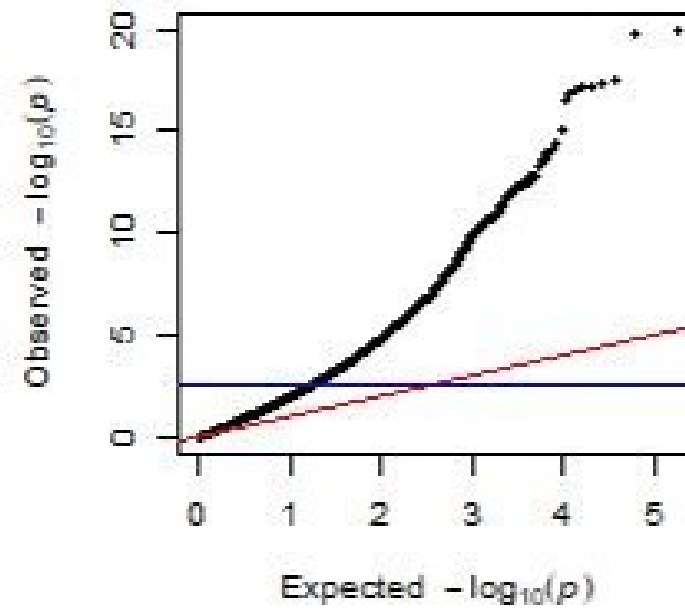


# trait: CH400h\_lu16

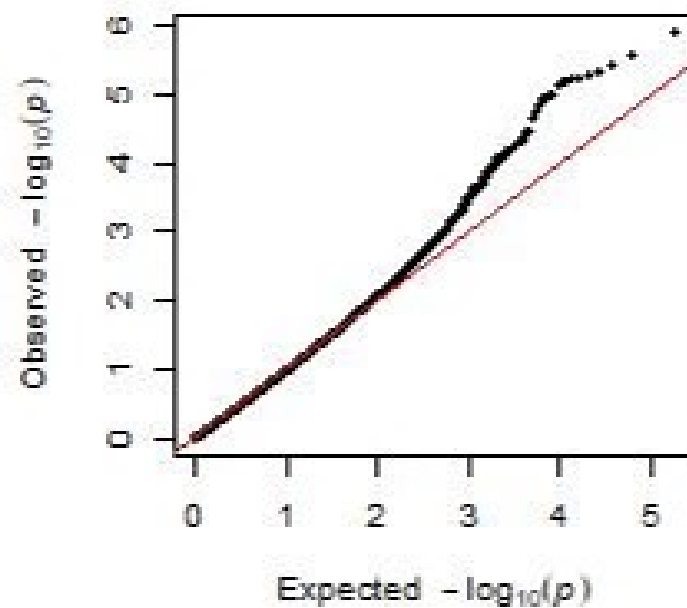
No accounting for kinship or structure



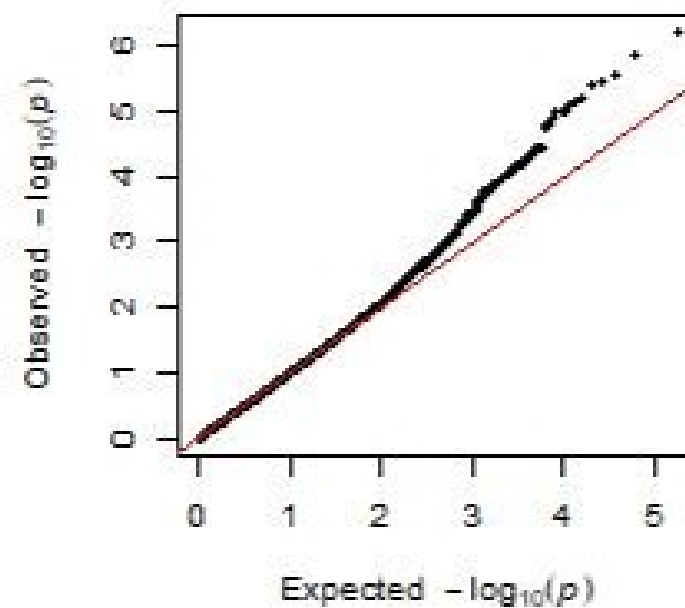
Accounting only for structure



Accounting only for kinship

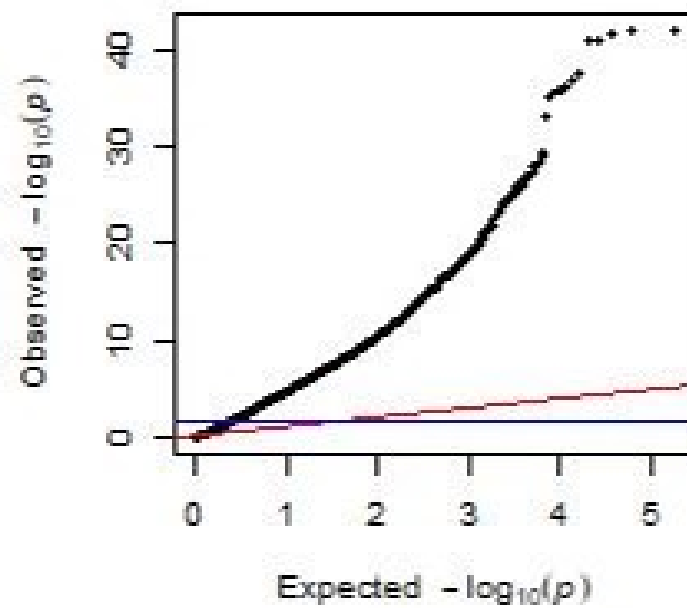


Accounting for kinship and structure

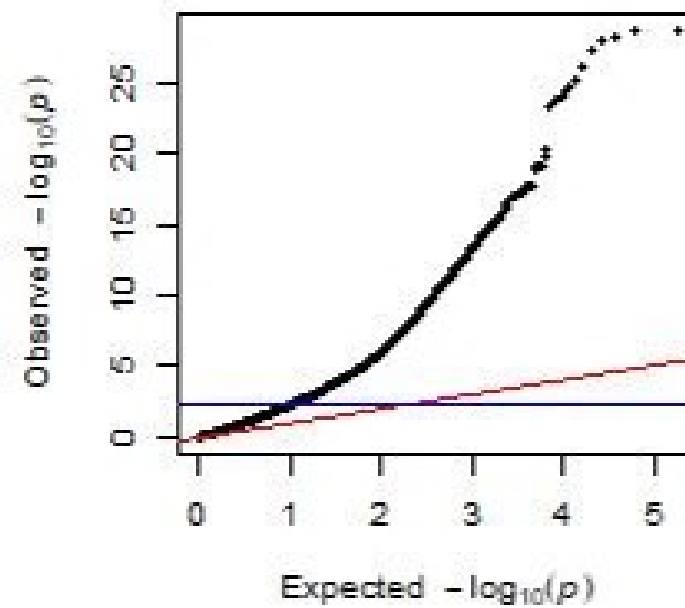


# trait: CH400h\_lu17

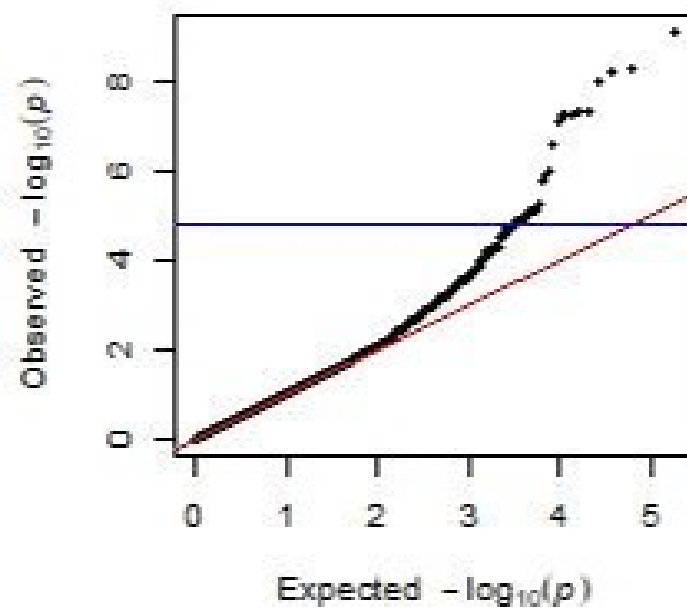
No accounting for kinship or structure



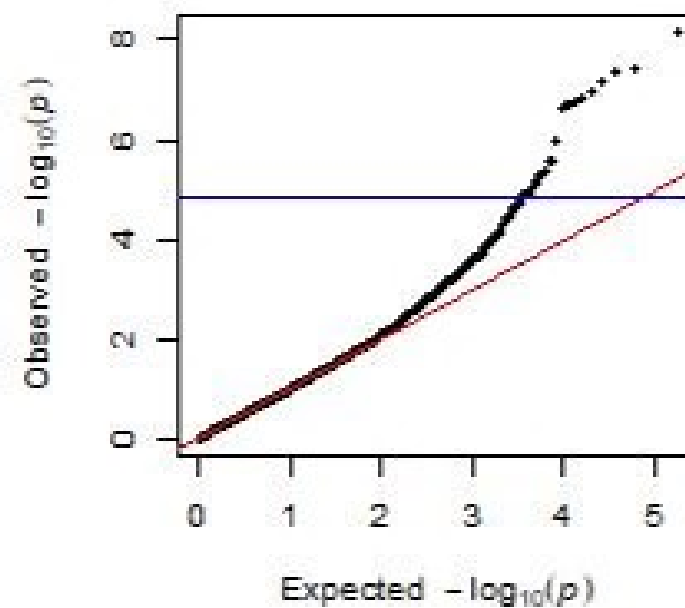
Accounting only for structure



Accounting only for kinship



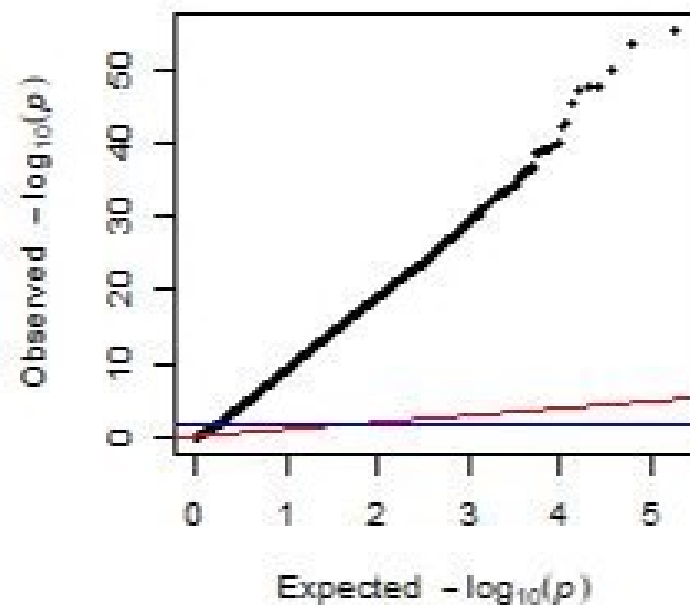
Accounting for kinship and structure



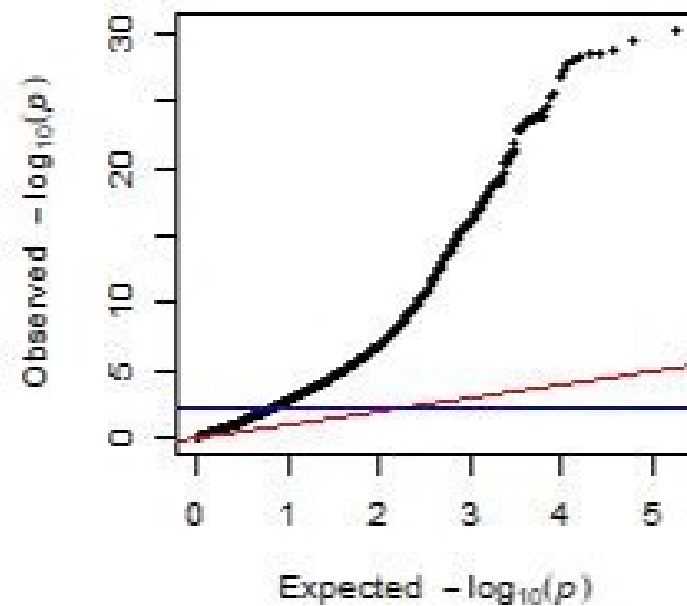


# trait: CH400h\_po16

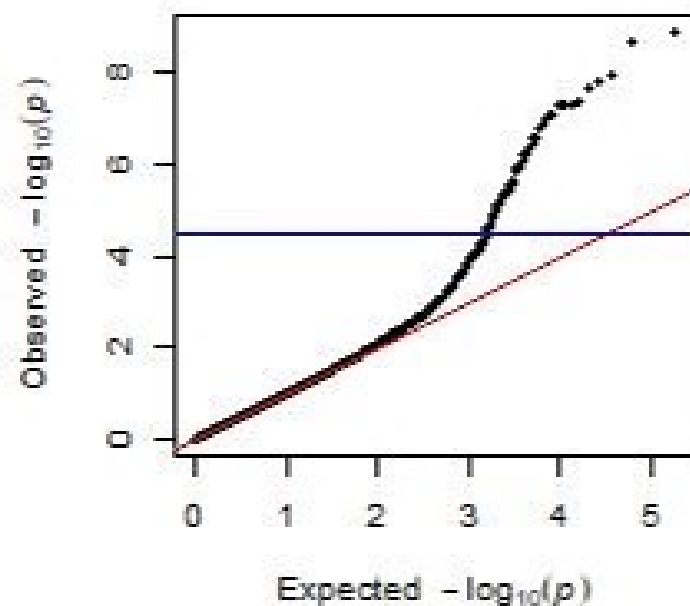
No accounting for kinship or structure



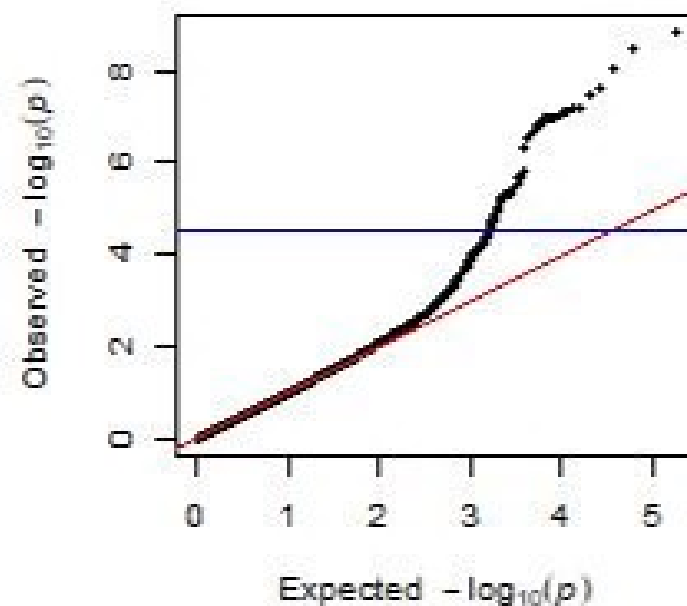
Accounting only for structure



Accounting only for kinship

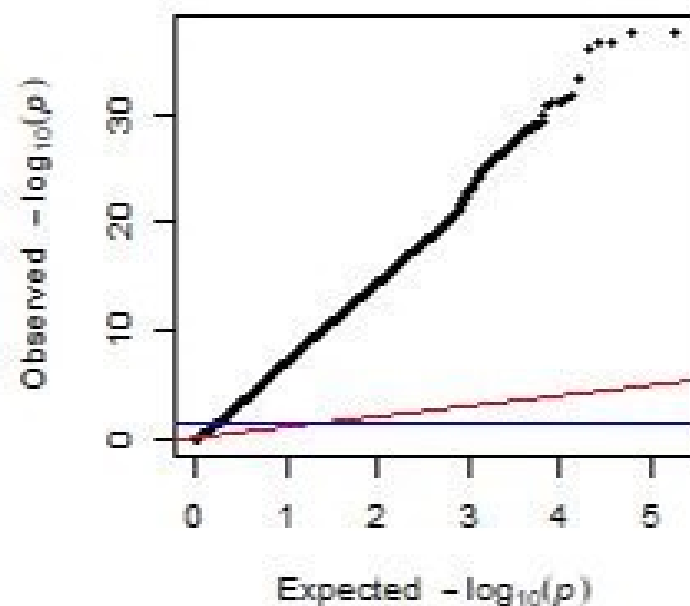


Accounting for kinship and structure

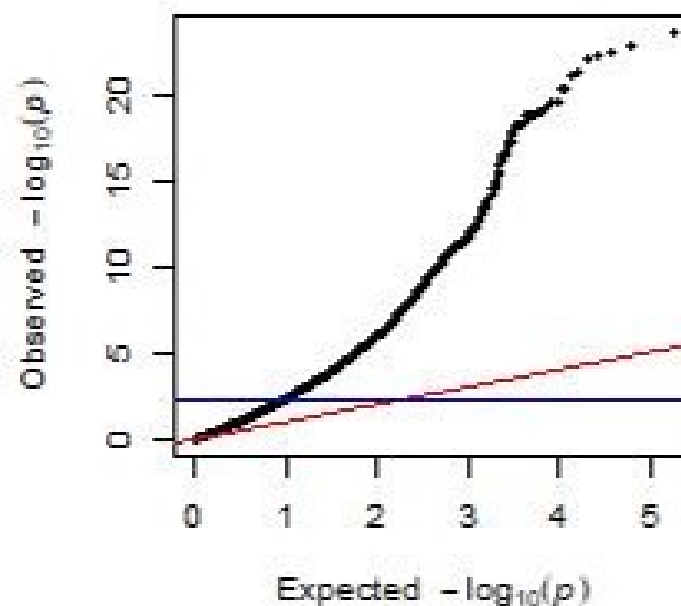


# trait: CH400h\_po17

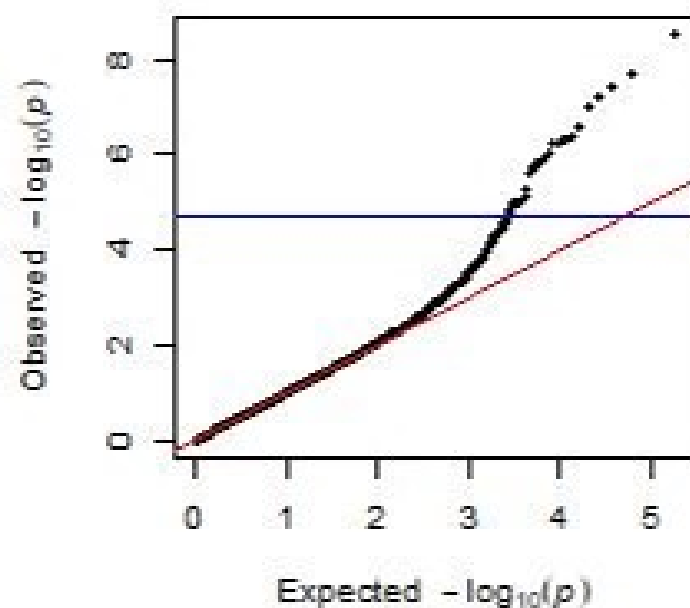
No accounting for kinship or structure



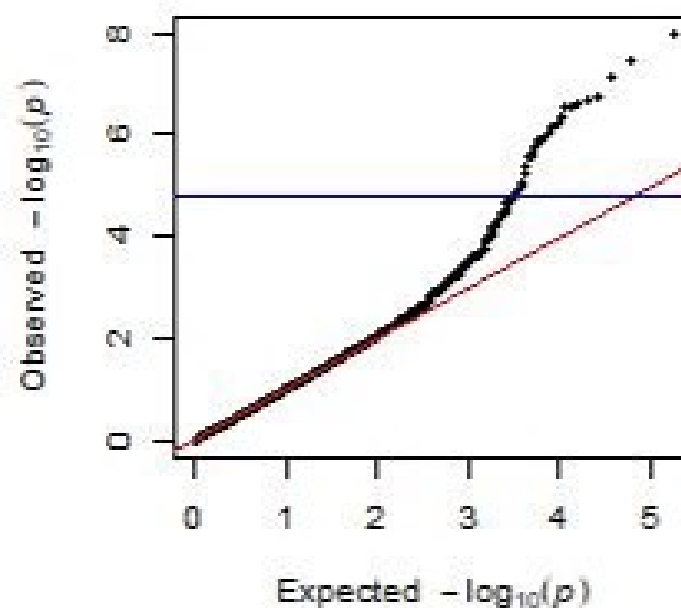
Accounting only for structure



Accounting only for kinship

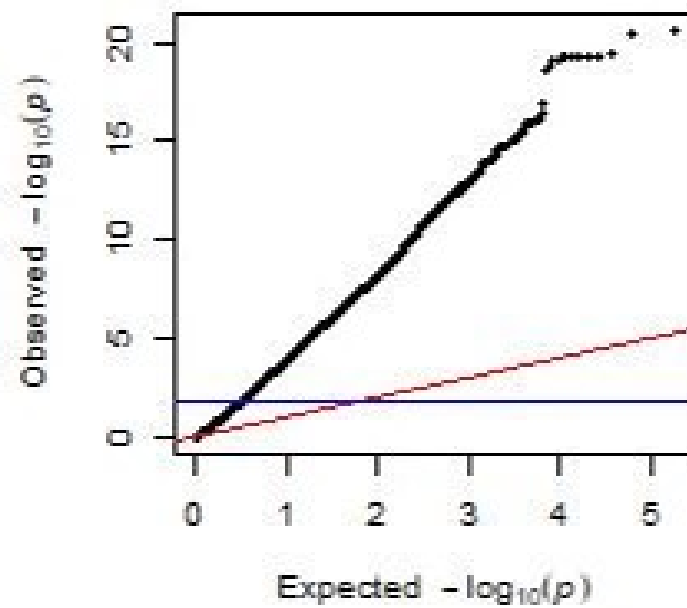


Accounting for kinship and structure

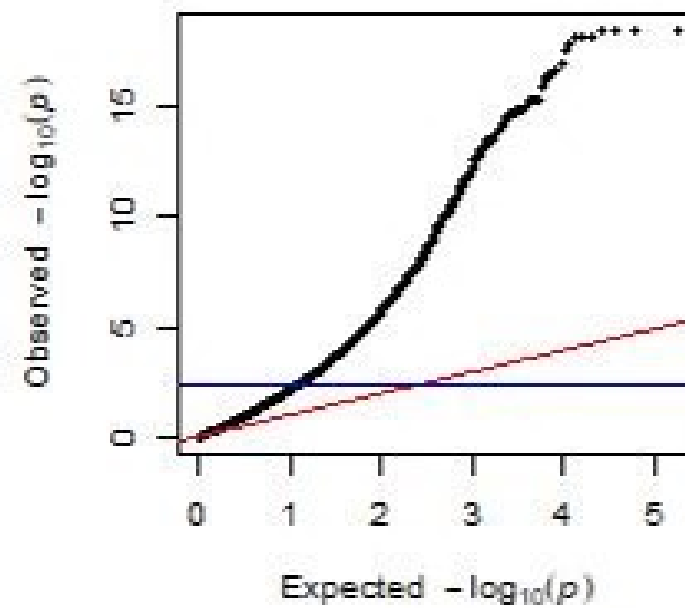


# trait: CHs300\_lu16

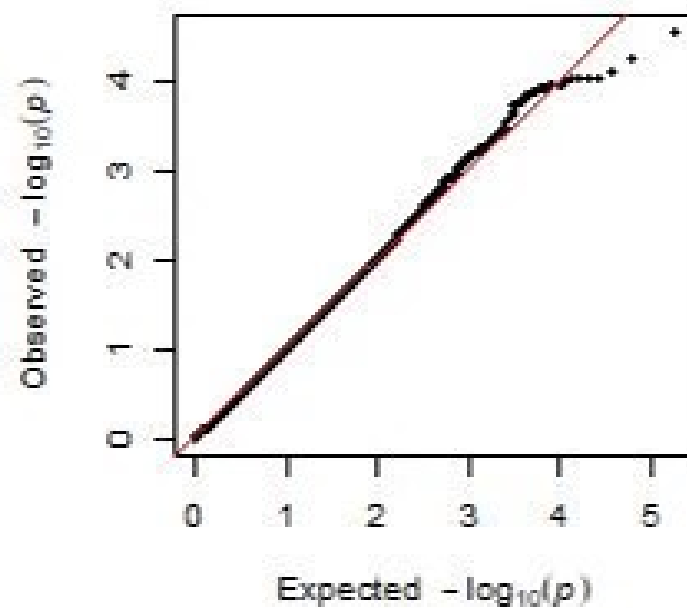
No accounting for kinship or structure



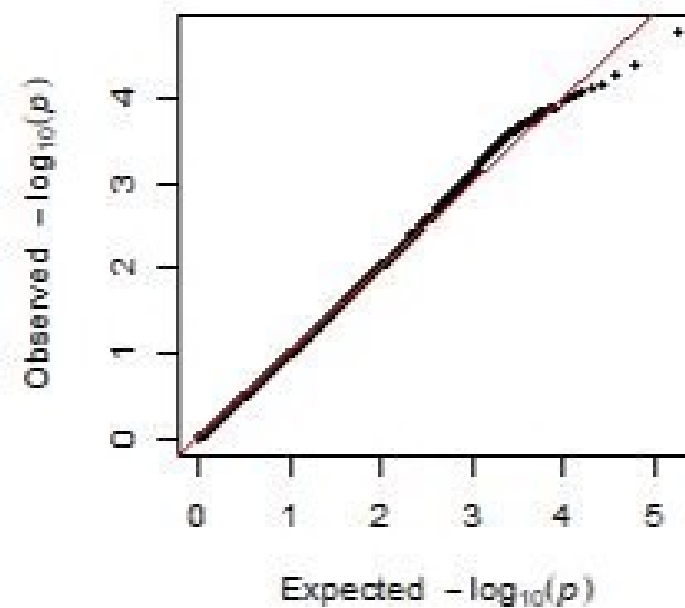
Accounting only for structure



Accounting only for kinship

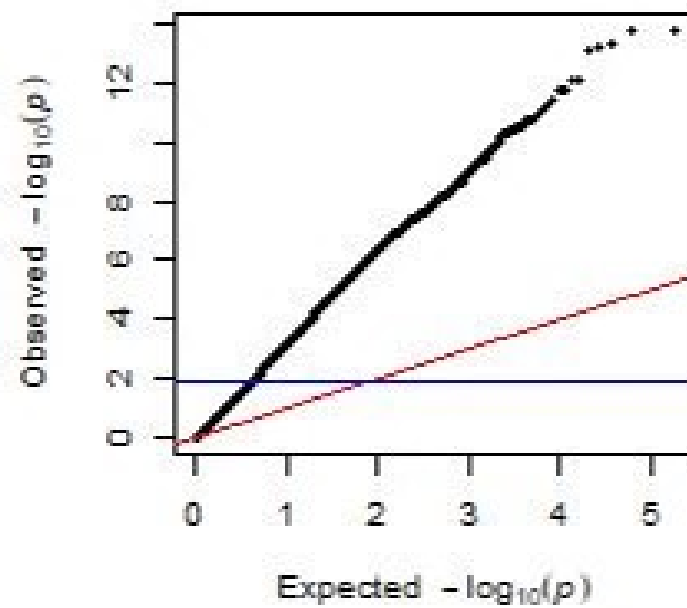


Accounting for kinship and structure

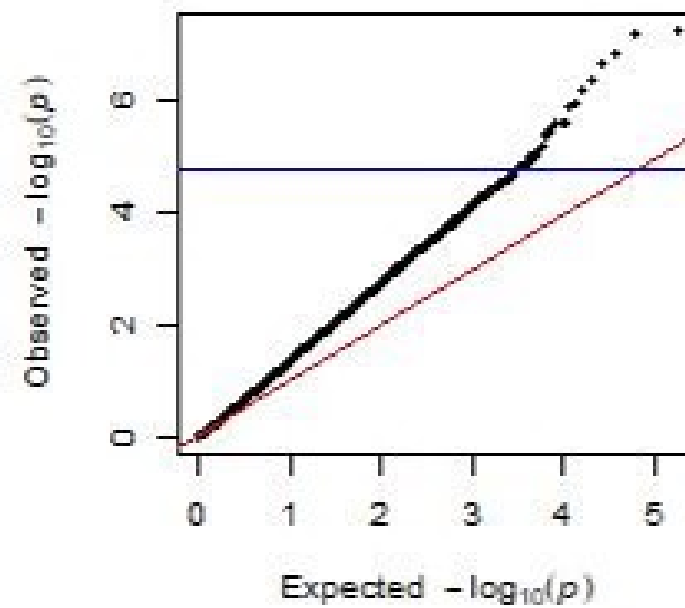


# trait: CHs300\_lu17

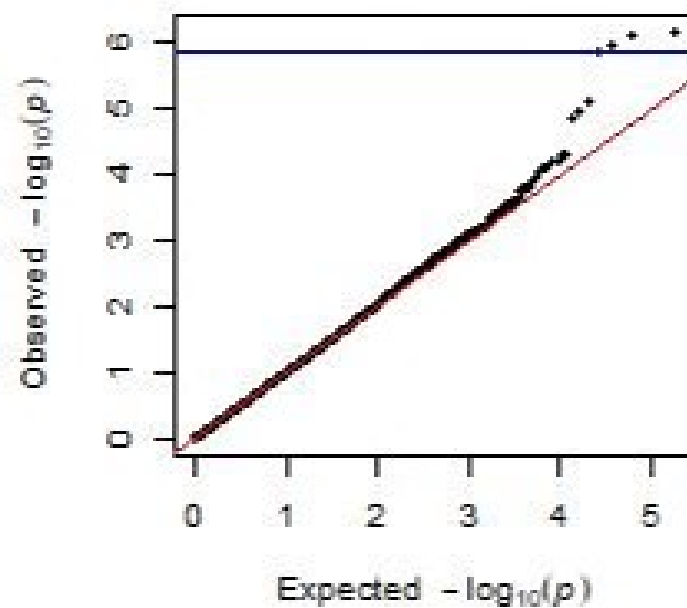
No accounting for kinship or structure



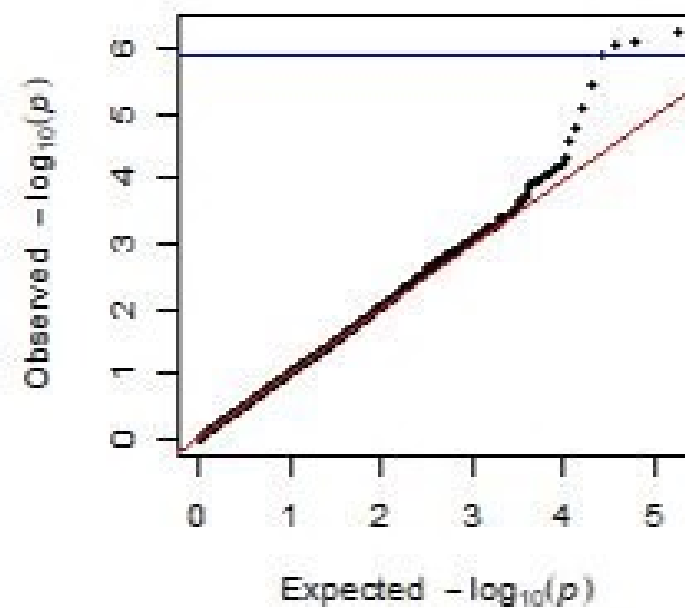
Accounting only for structure



Accounting only for kinship

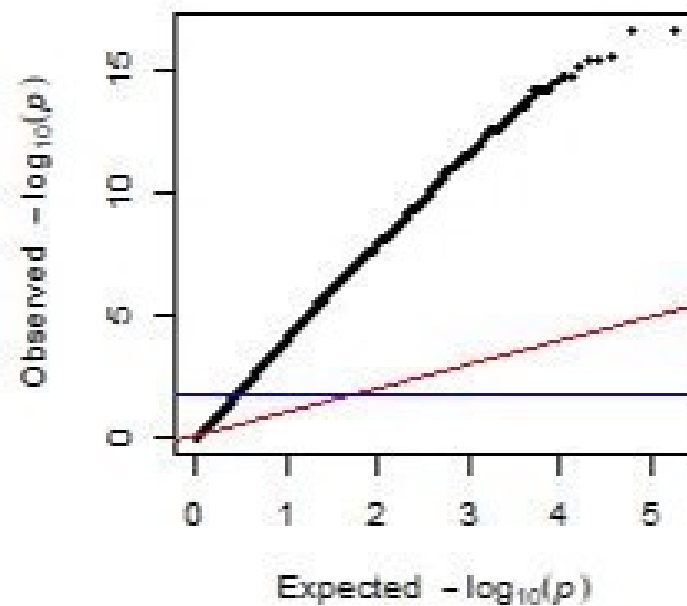


Accounting for kinship and structure

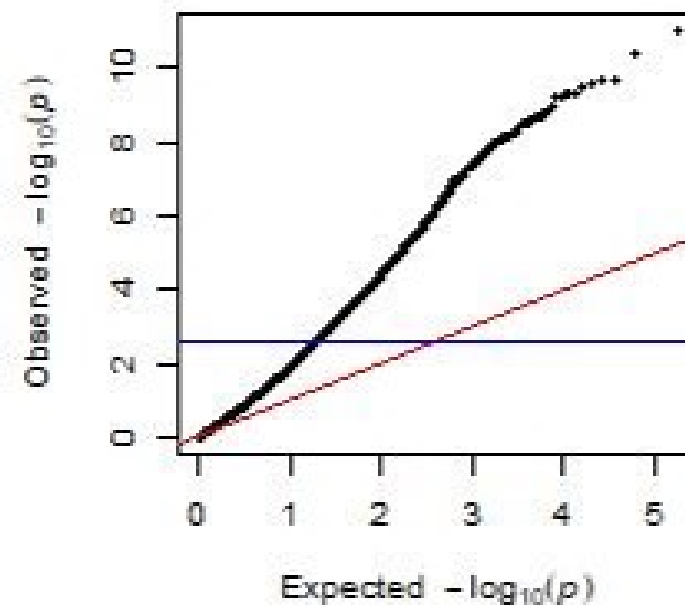


# trait: CHs300\_me16

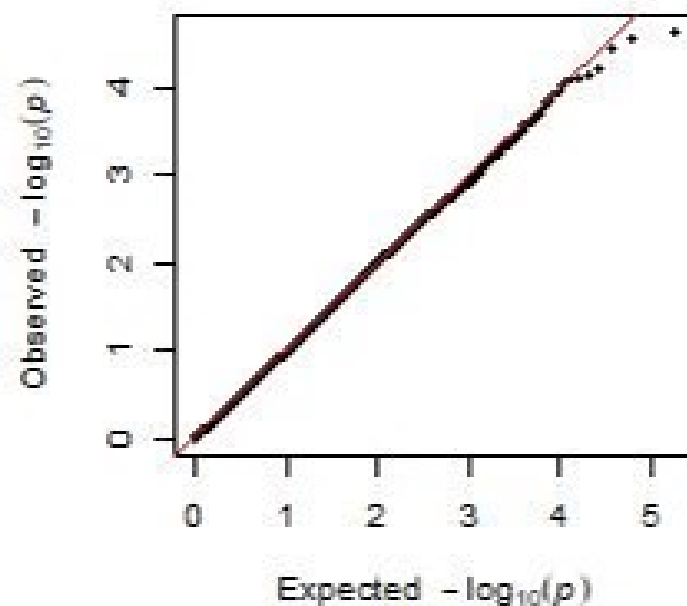
No accounting for kinship or structure



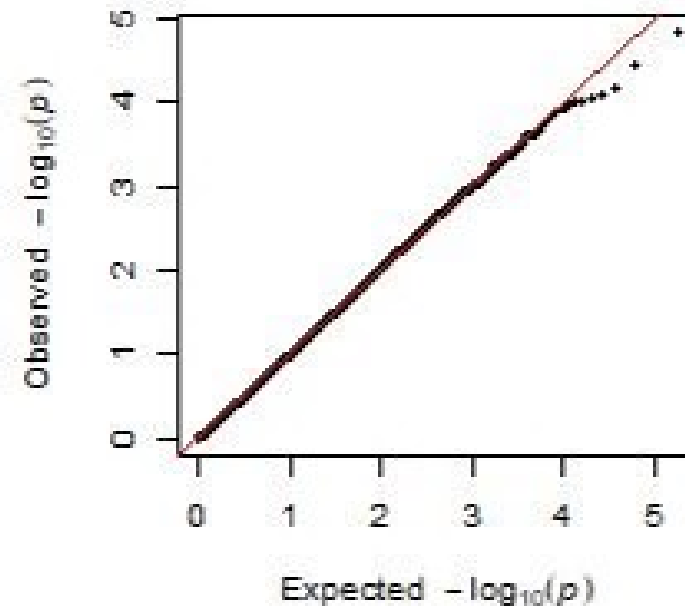
Accounting only for structure



Accounting only for kinship

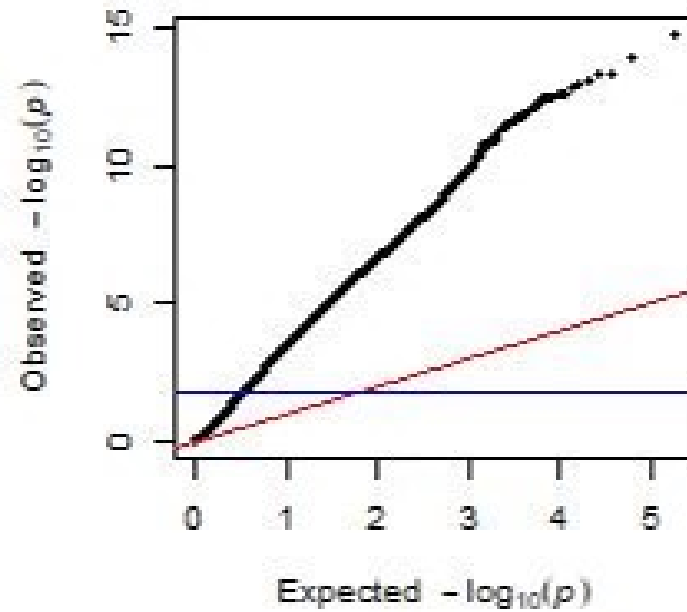


Accounting for kinship and structure

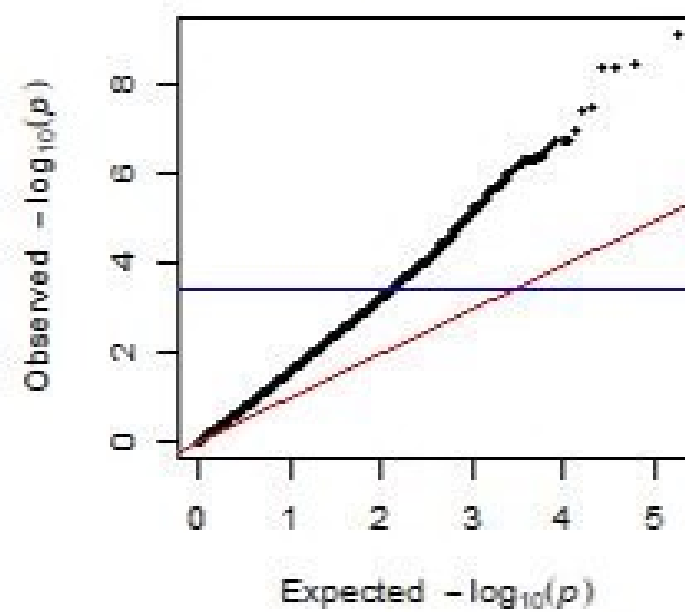


# trait: CHs300\_me17

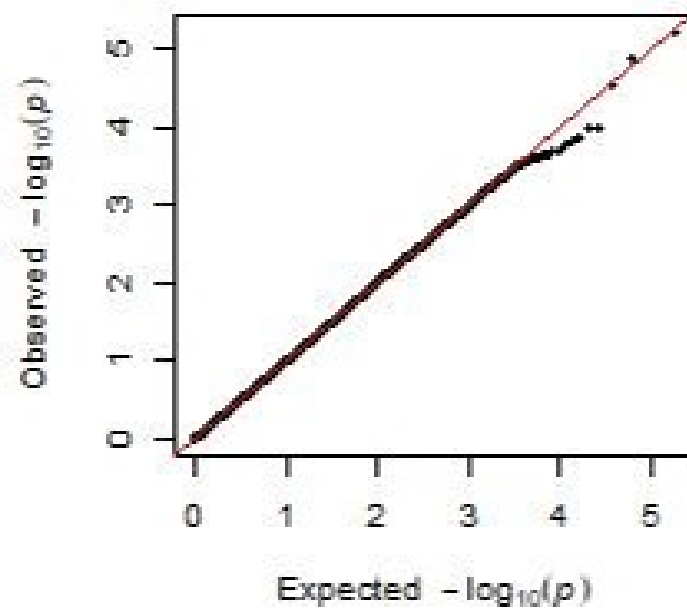
No accounting for kinship or structure



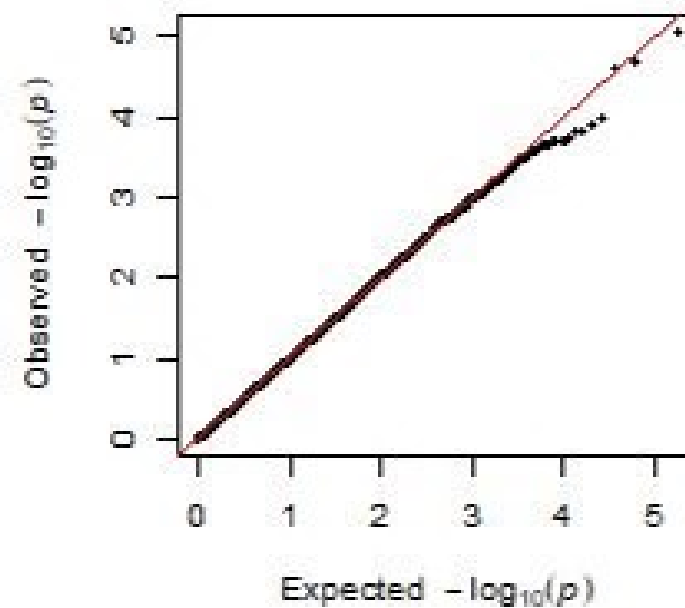
Accounting only for structure



Accounting only for kinship

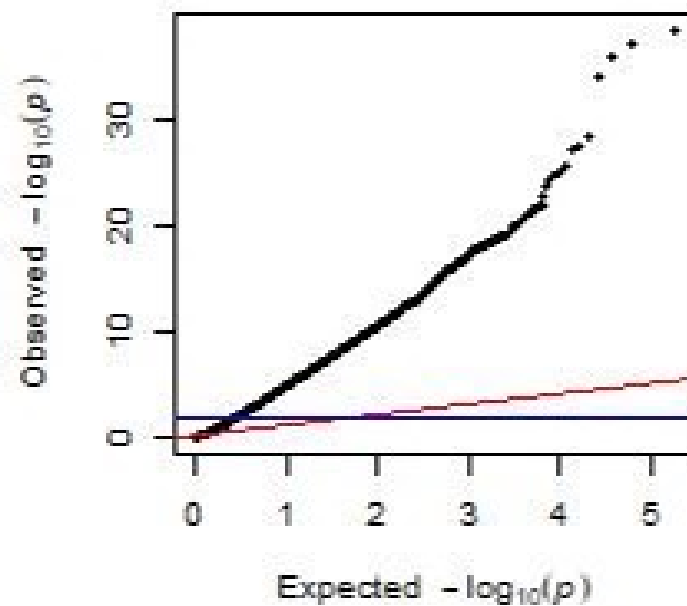


Accounting for kinship and structure

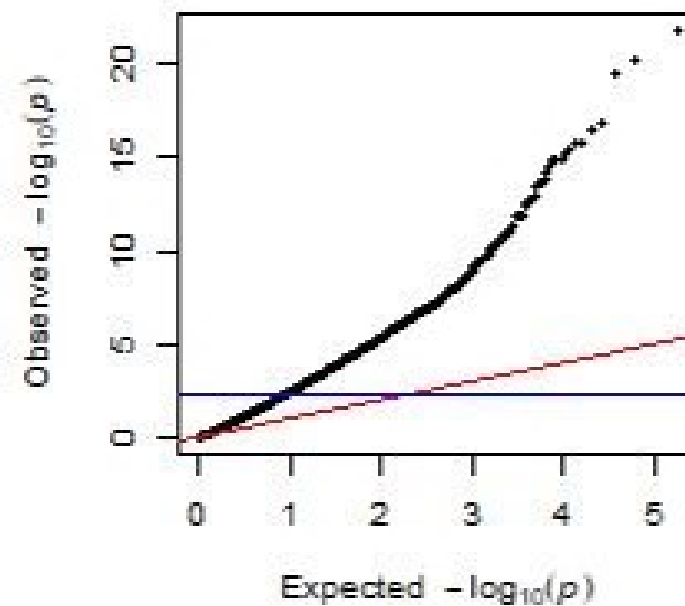


# trait: CHs300\_po16

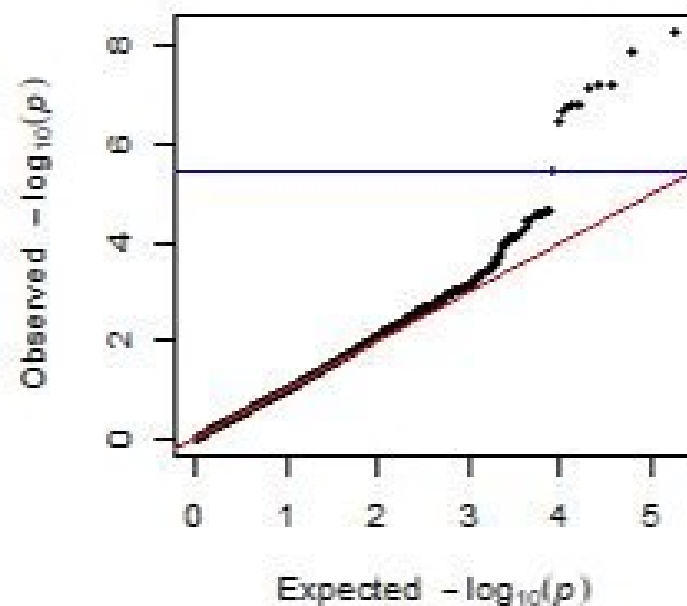
No accounting for kinship or structure



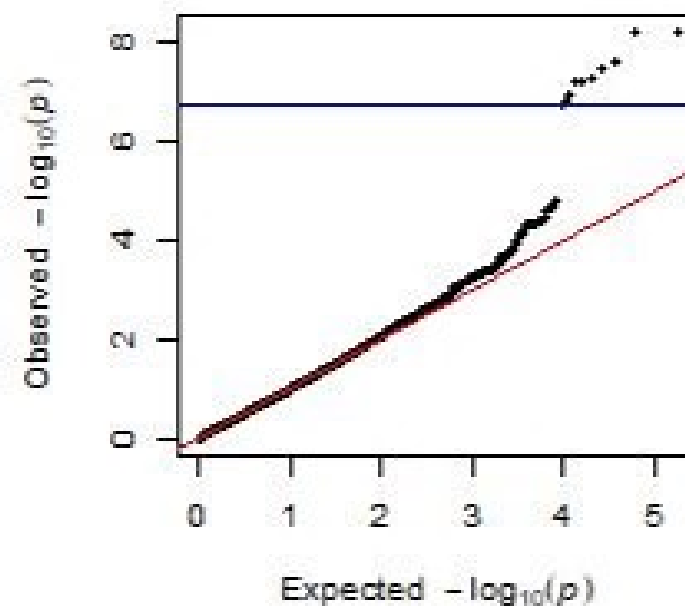
Accounting only for structure



Accounting only for kinship

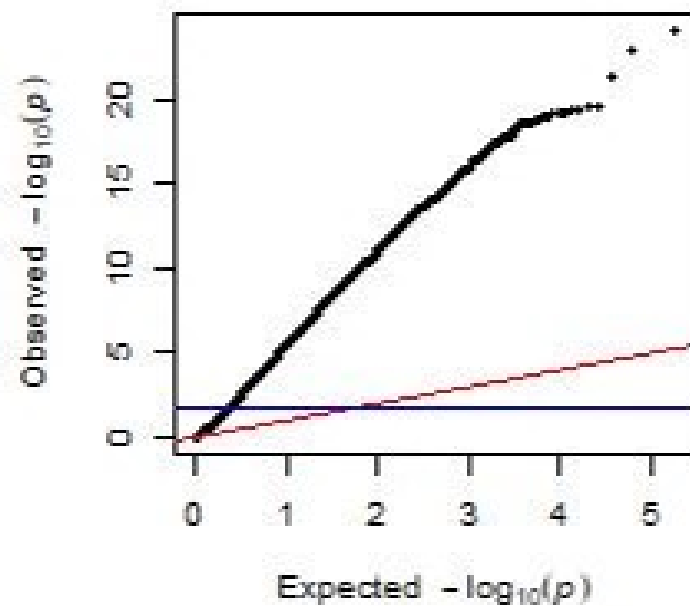


Accounting for kinship and structure

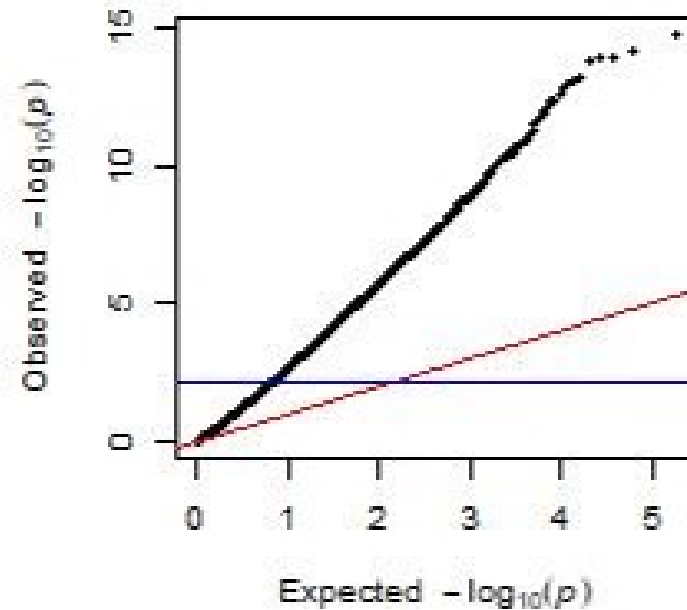


# trait: CHs300\_po17

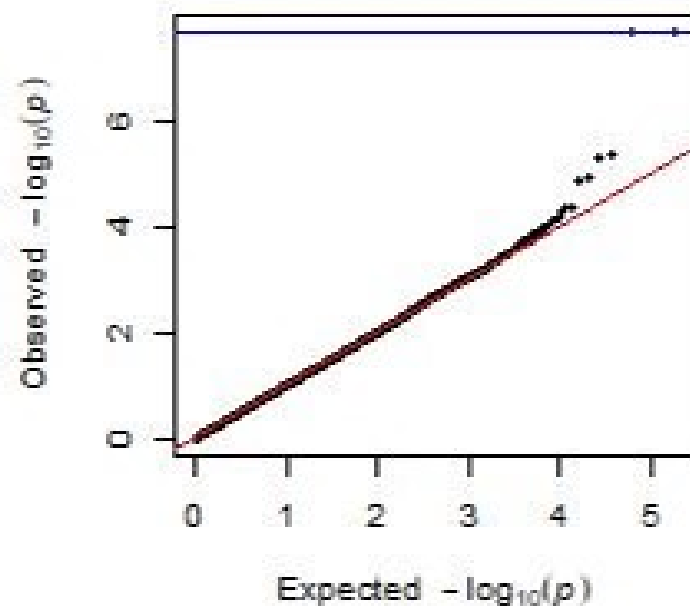
No accounting for kinship or structure



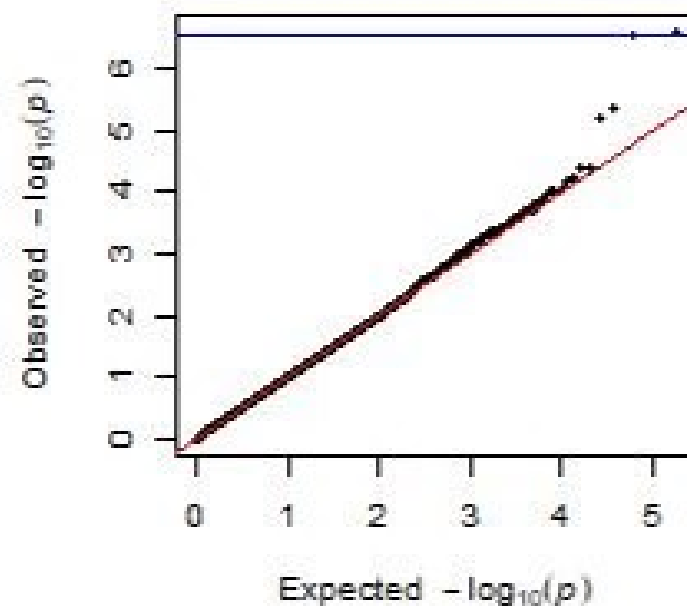
Accounting only for structure



Accounting only for kinship



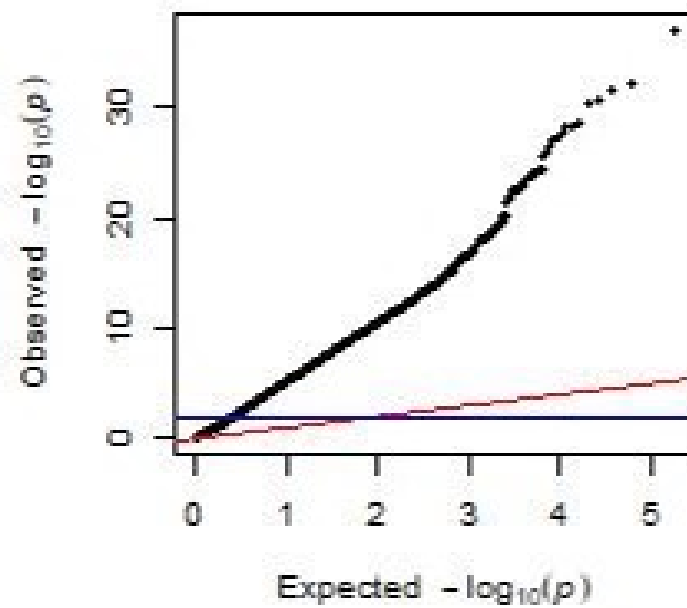
Accounting for kinship and structure



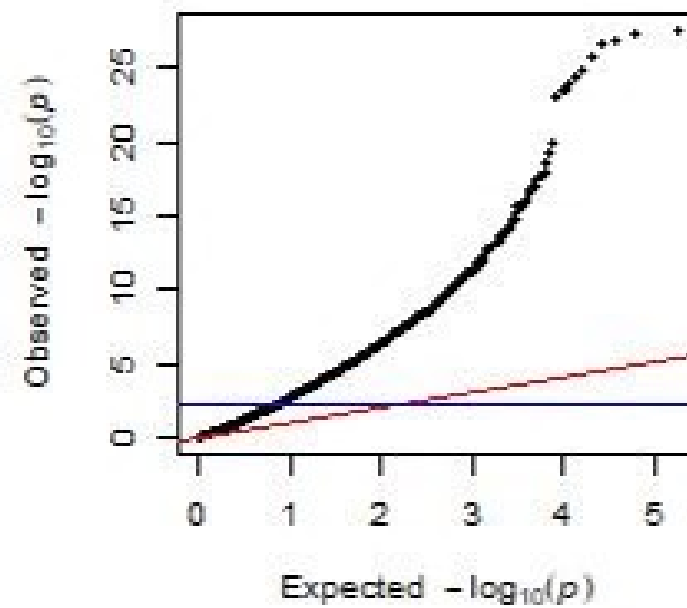


# trait: CHs500\_lu16

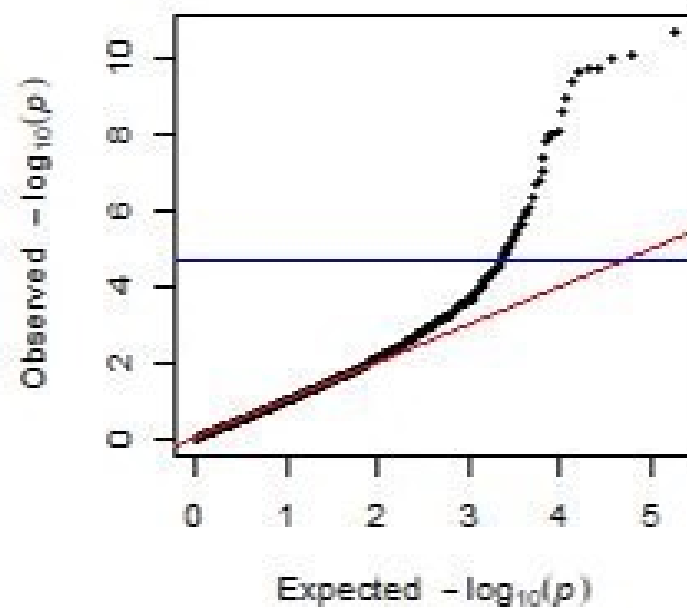
No accounting for kinship or structure



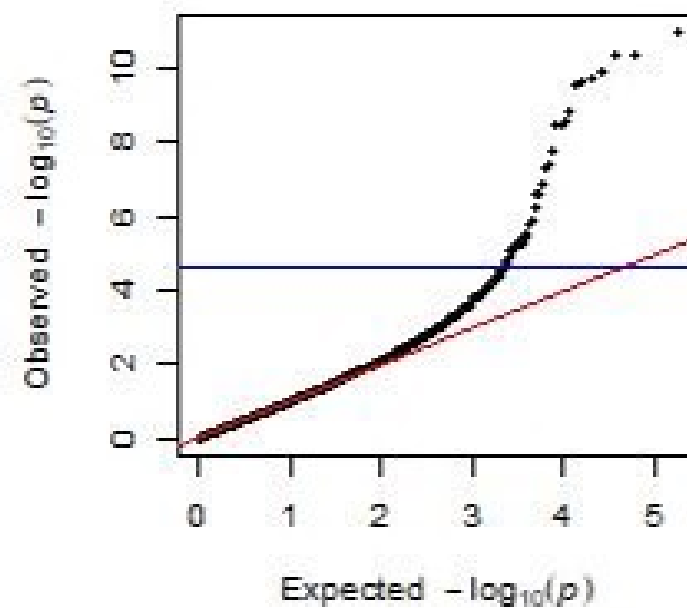
Accounting only for structure



Accounting only for kinship

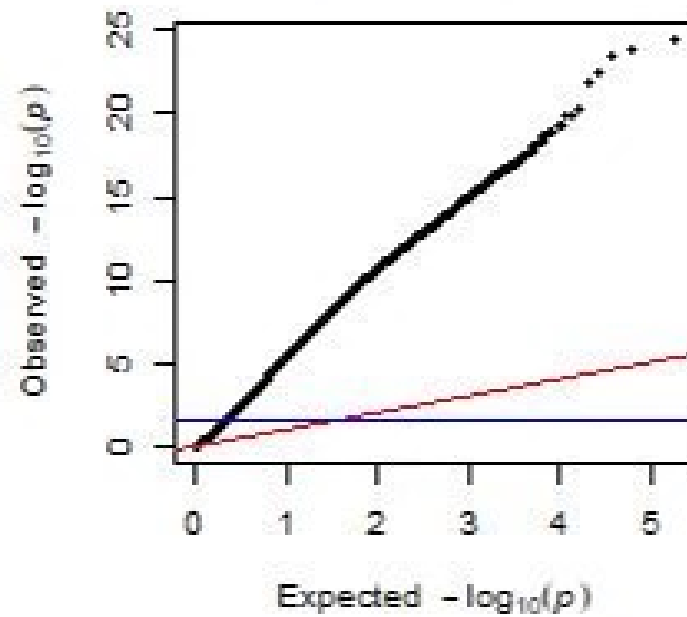


Accounting for kinship and structure

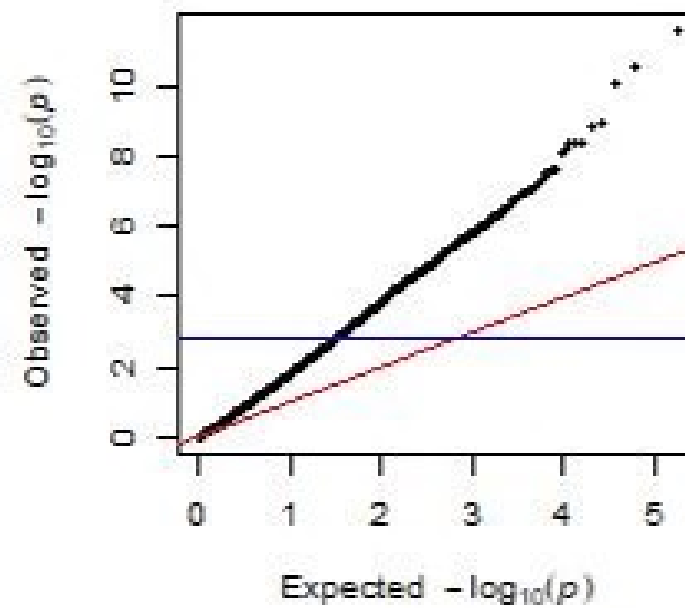


# trait: CHs500\_lu17

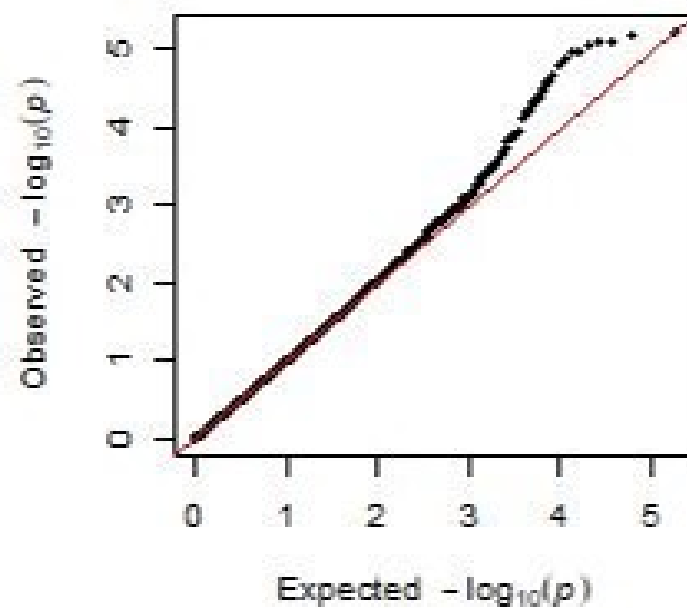
No accounting for kinship or structure



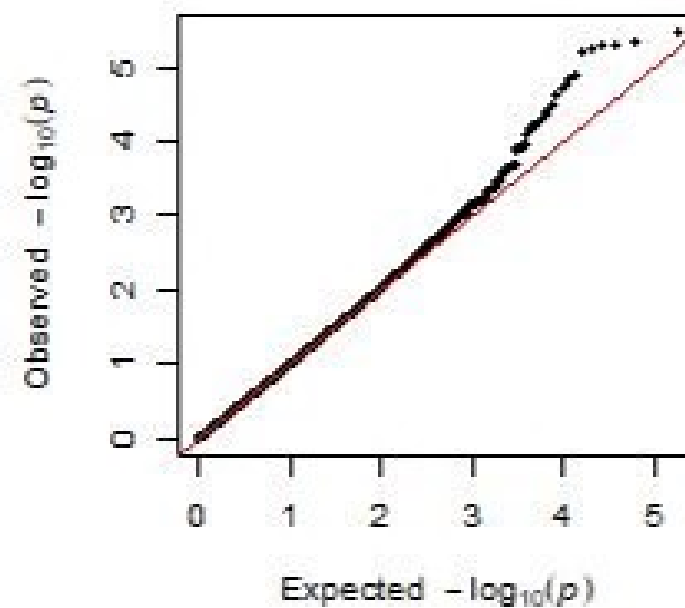
Accounting only for structure



Accounting only for kinship

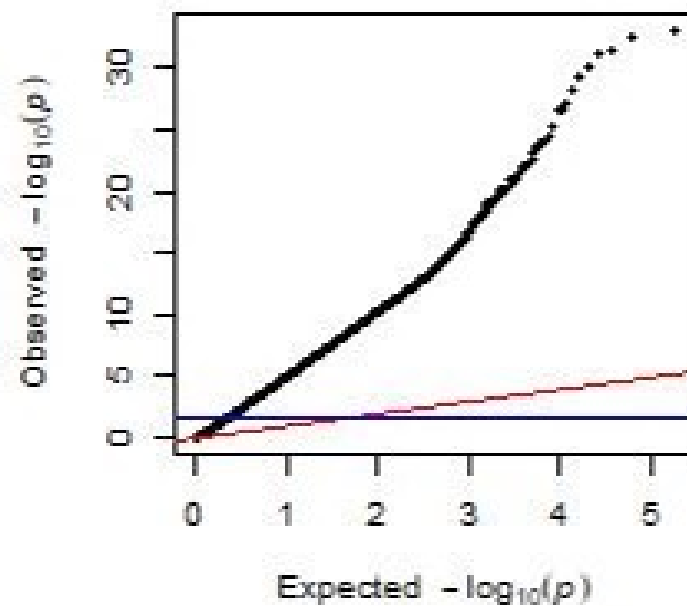


Accounting for kinship and structure

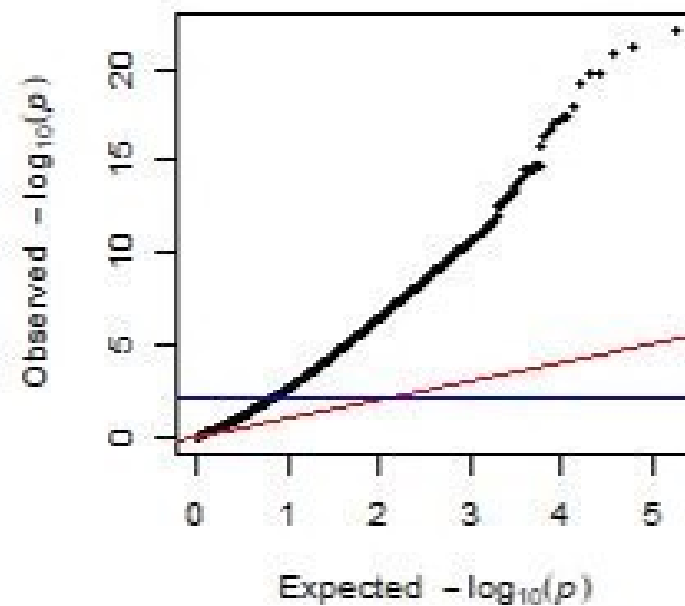


# trait: CHs500\_me16

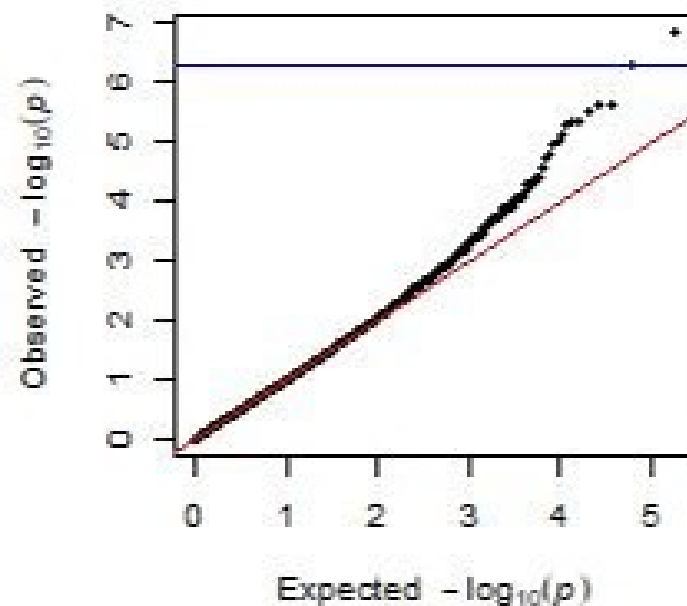
No accounting for kinship or structure



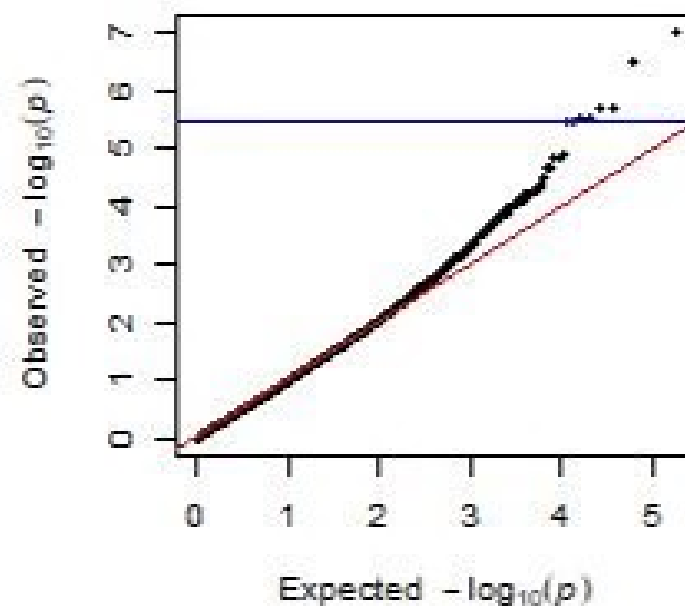
Accounting only for structure



Accounting only for kinship

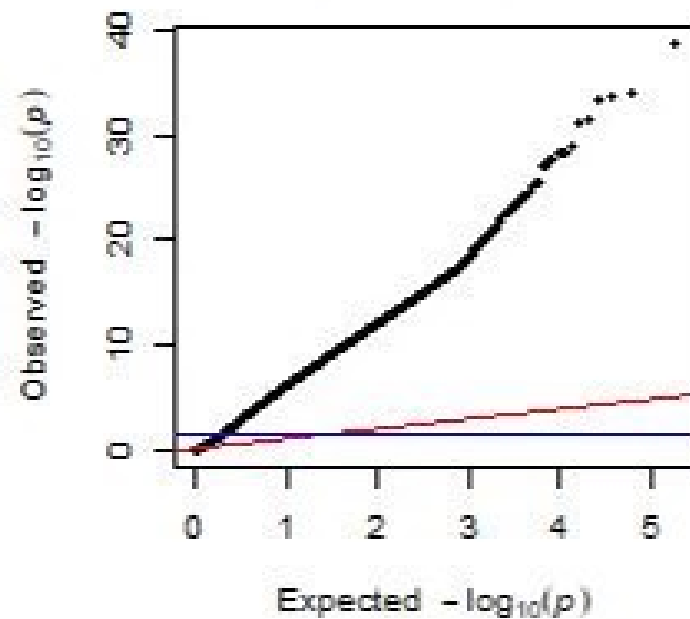


Accounting for kinship and structure

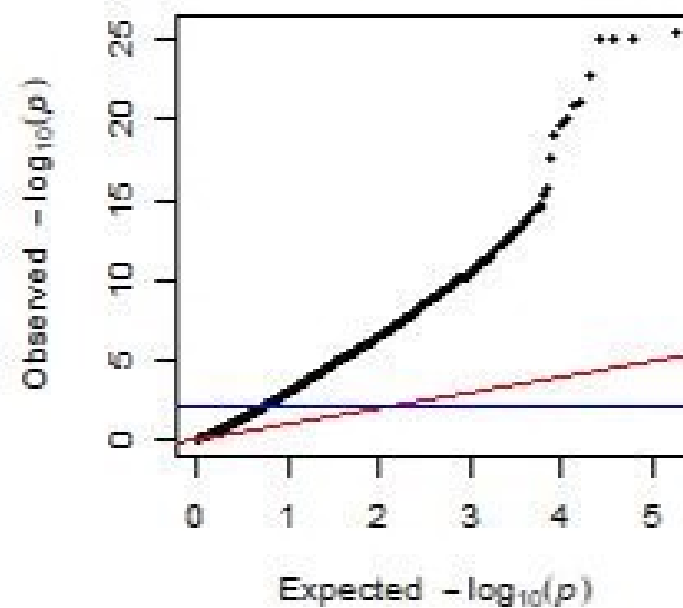


# trait: CHs500\_me17

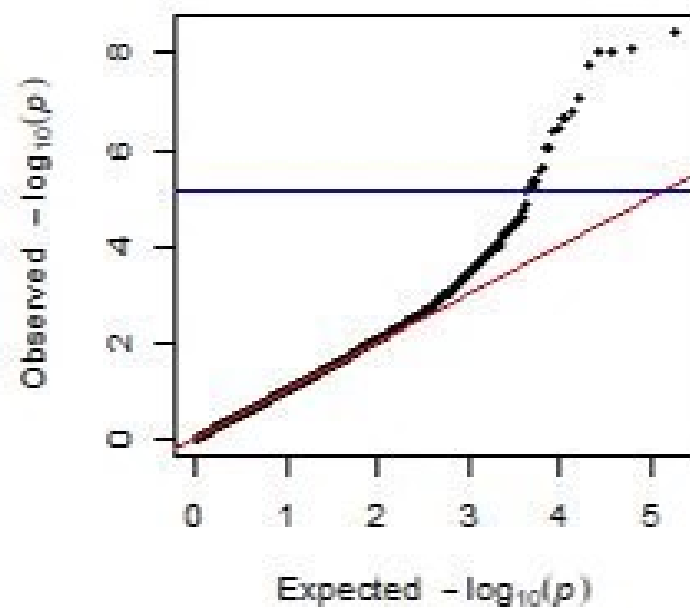
No accounting for kinship or structure



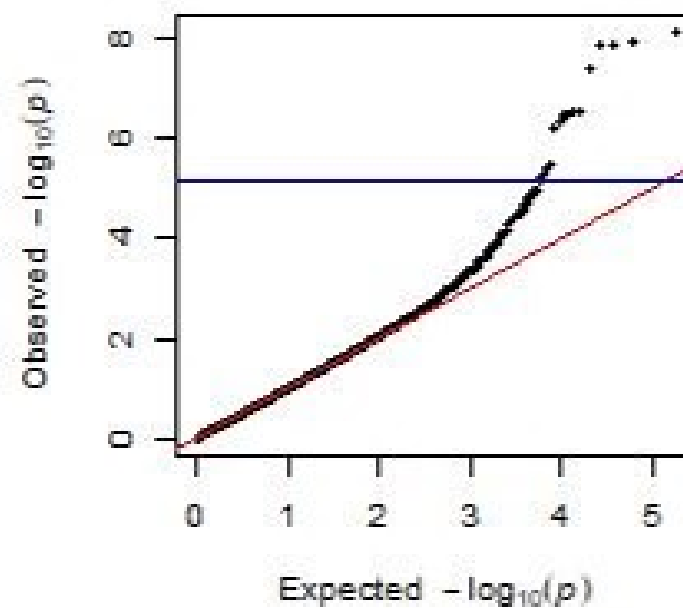
Accounting only for structure



Accounting only for kinship

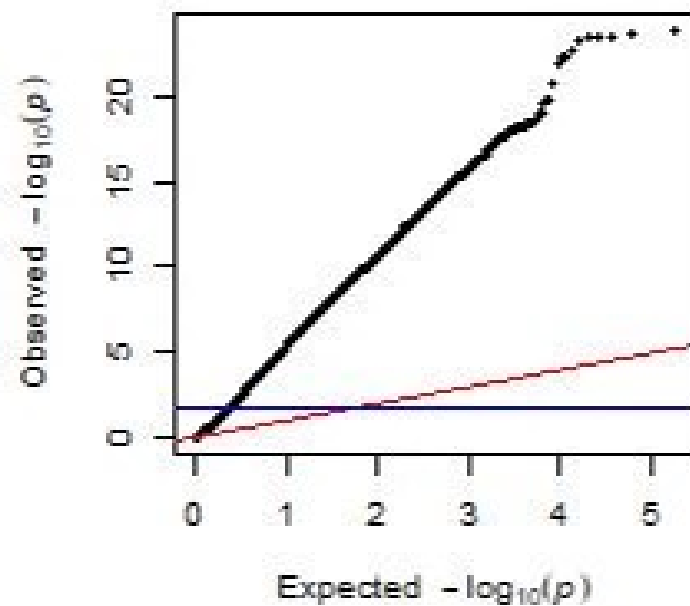


Accounting for kinship and structure

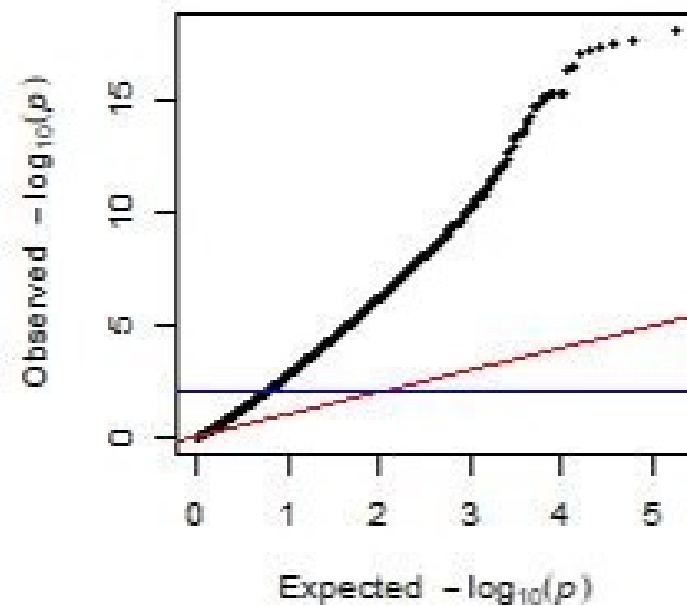


# trait: CHs500\_po17

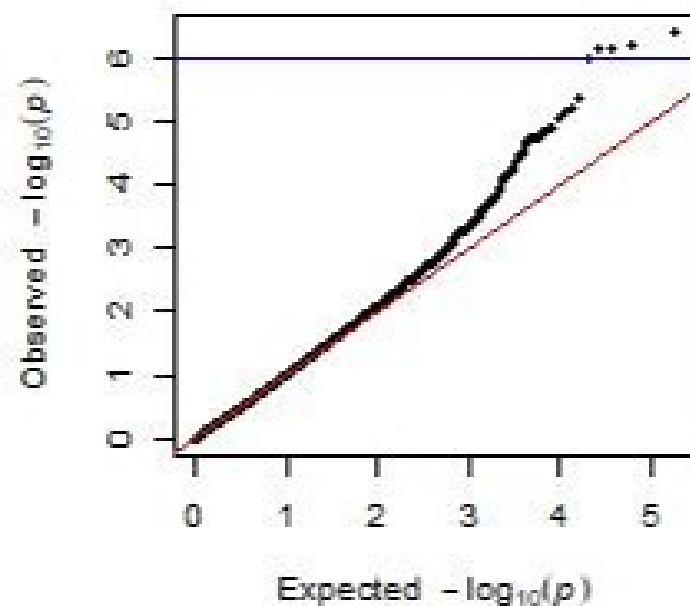
No accounting for kinship or structure



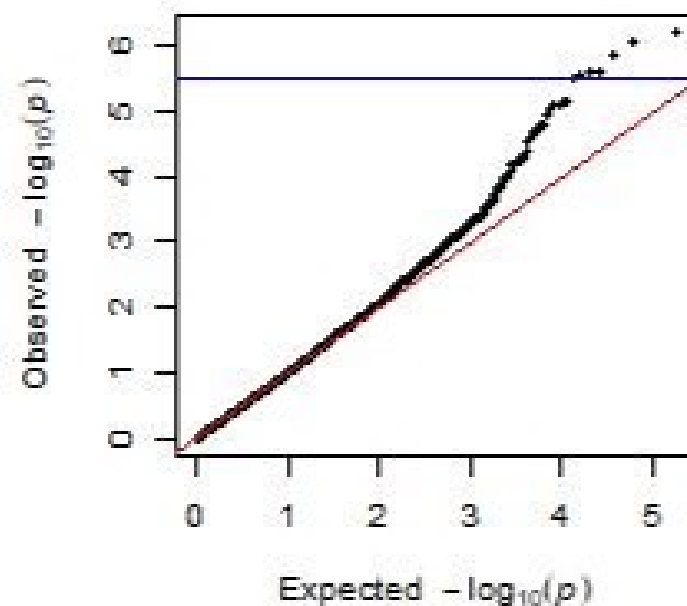
Accounting only for structure



Accounting only for kinship

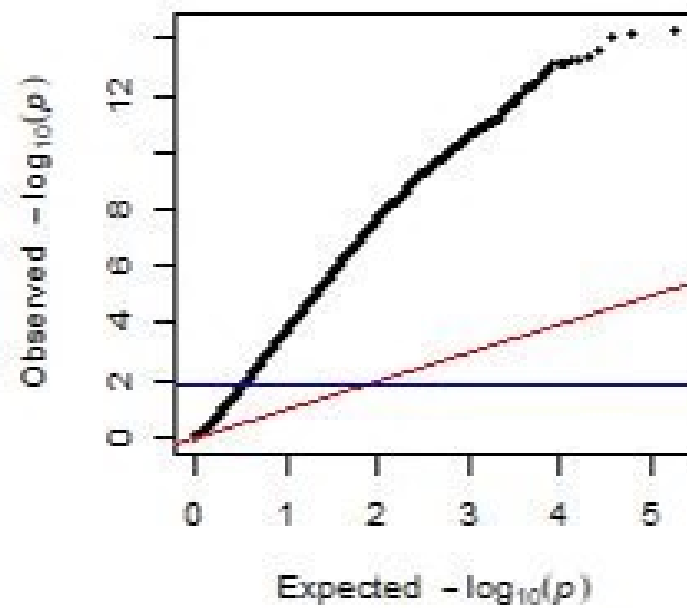


Accounting for kinship and structure

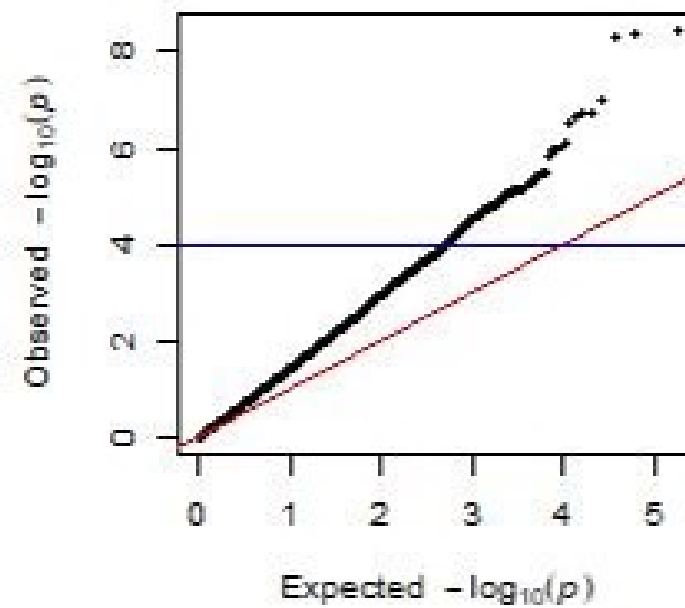


# trait: DES\_po15

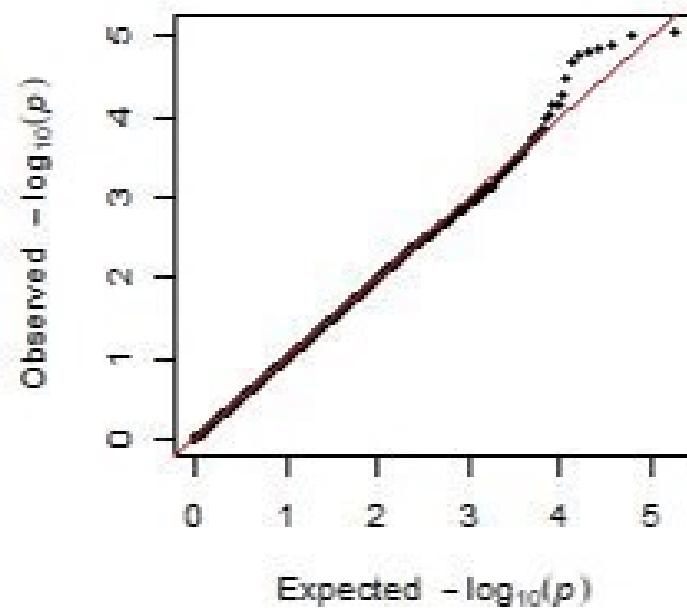
No accounting for kinship or structure



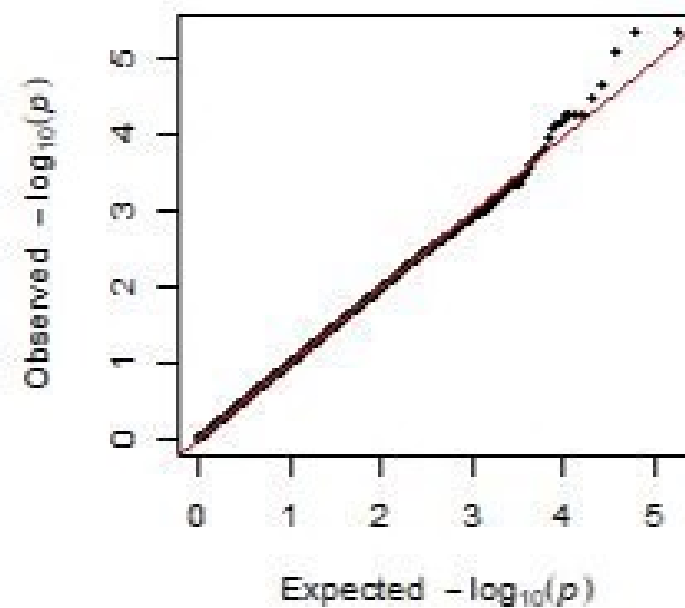
Accounting only for structure



Accounting only for kinship

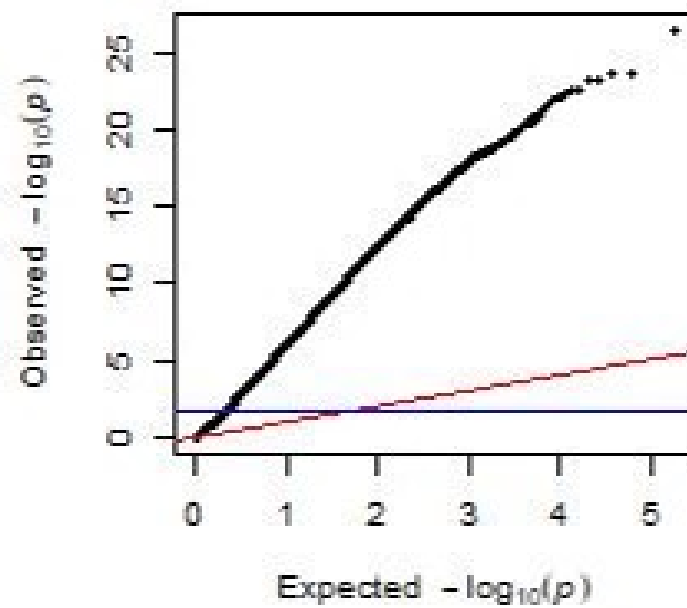


Accounting for kinship and structure

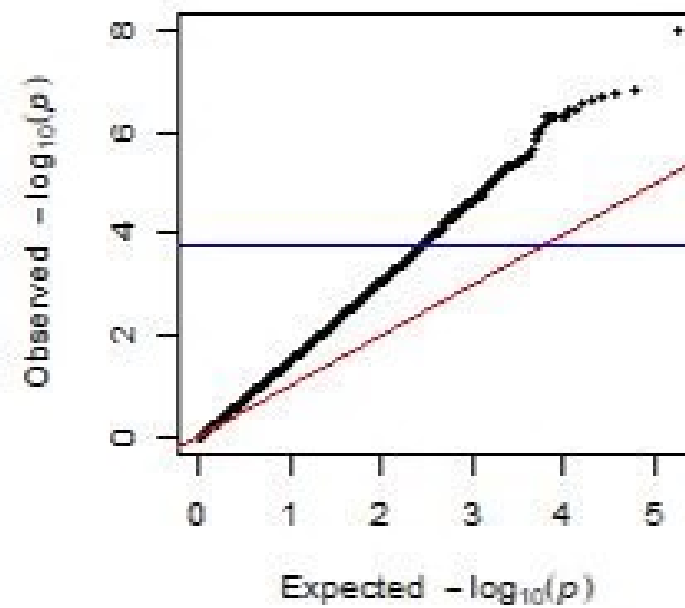


# trait: DHE\_01\_lu17

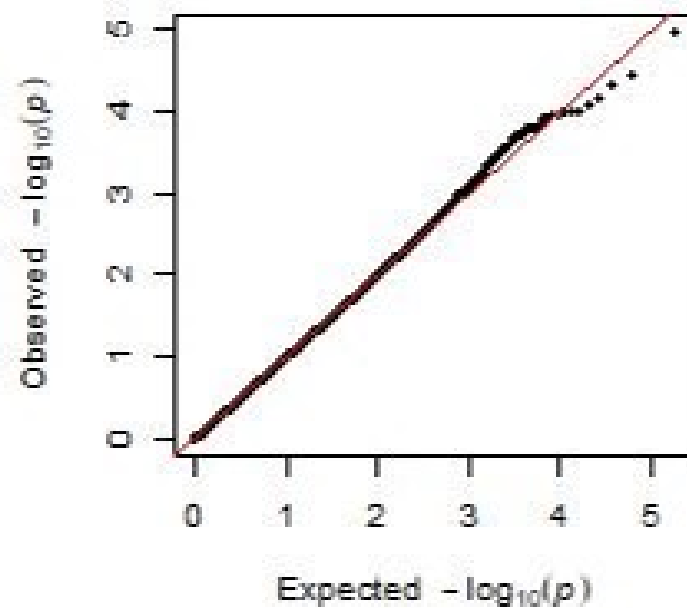
No accounting for kinship or structure



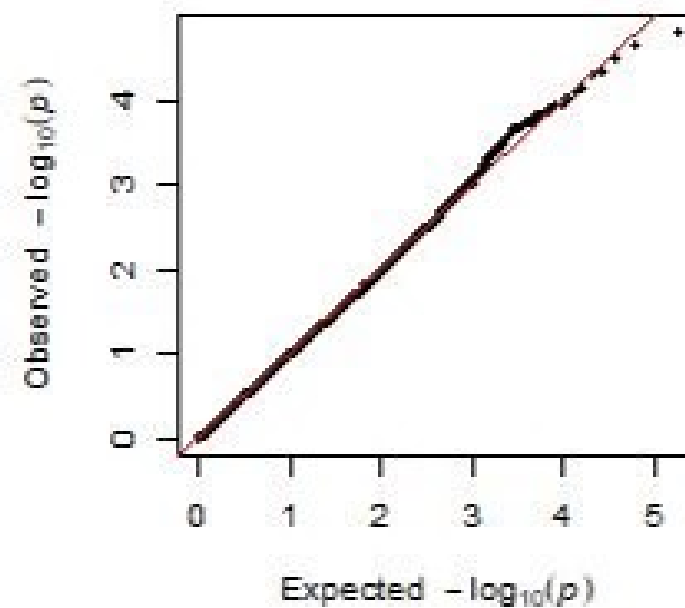
Accounting only for structure



Accounting only for kinship

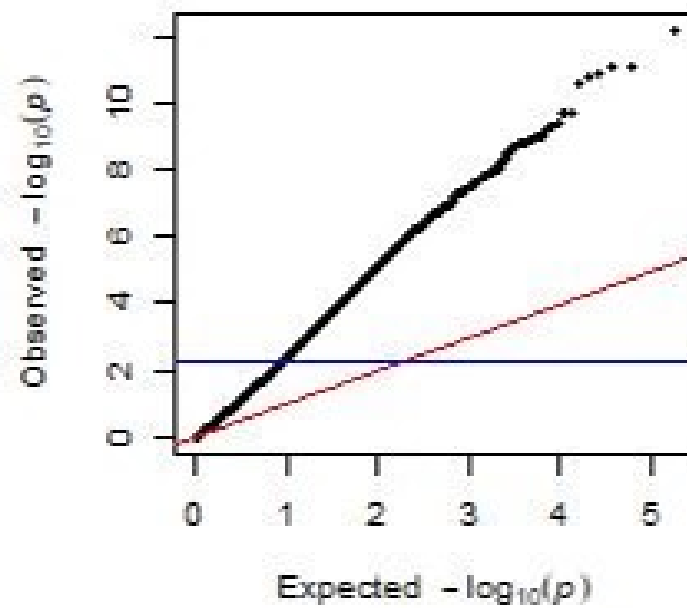


Accounting for kinship and structure

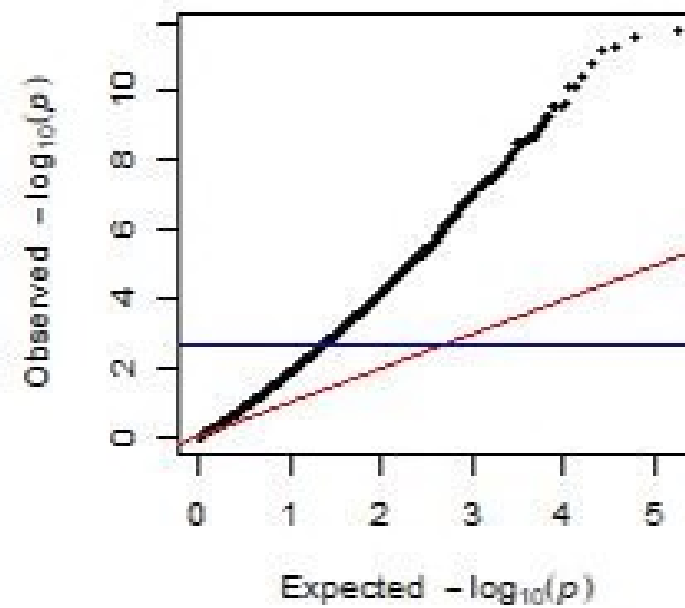


# trait: DHE\_04\_lu17

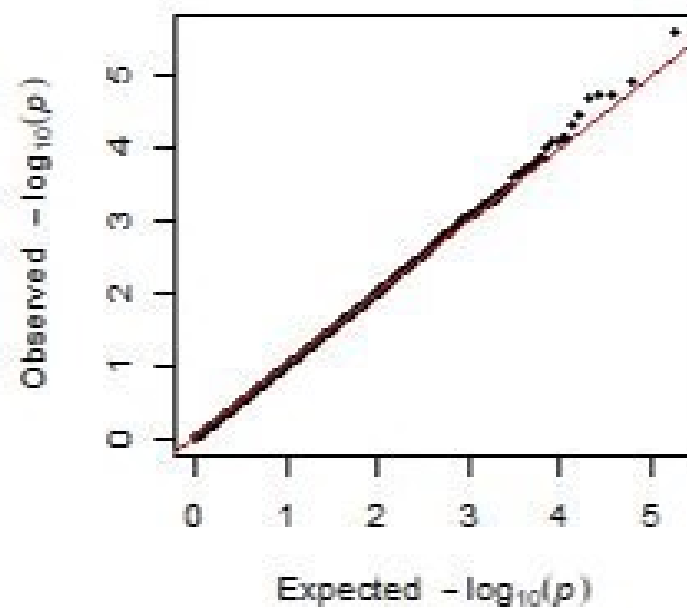
No accounting for kinship or structure



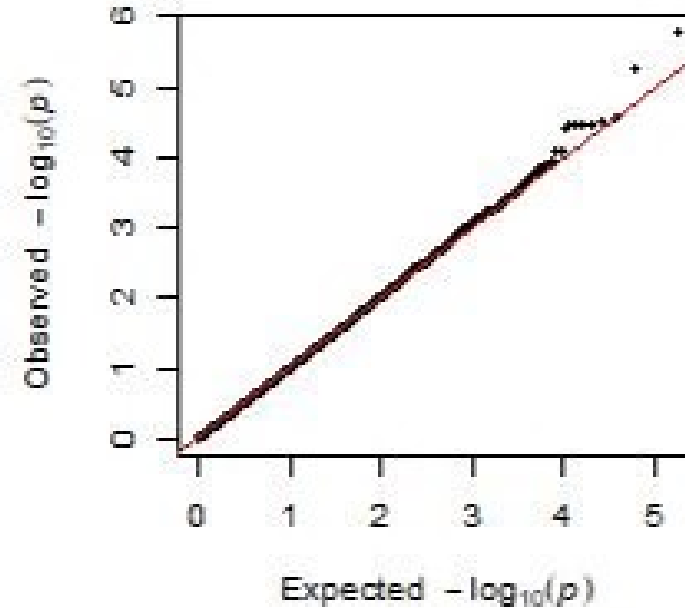
Accounting only for structure



Accounting only for kinship



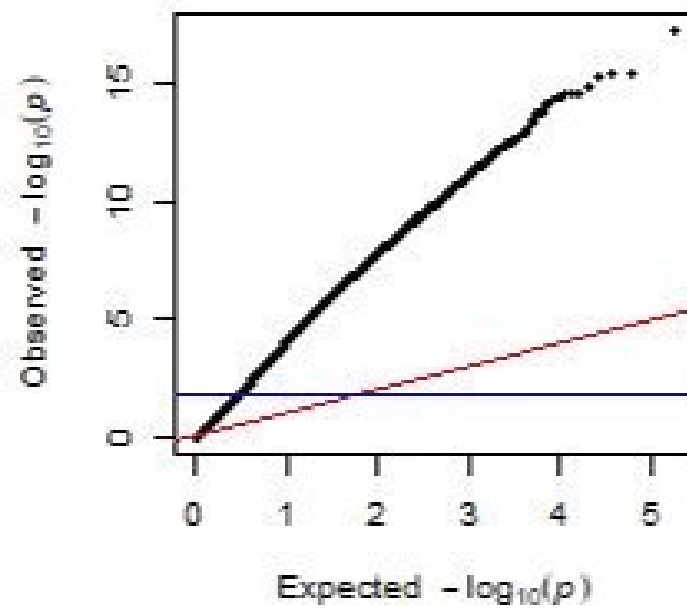
Accounting for kinship and structure



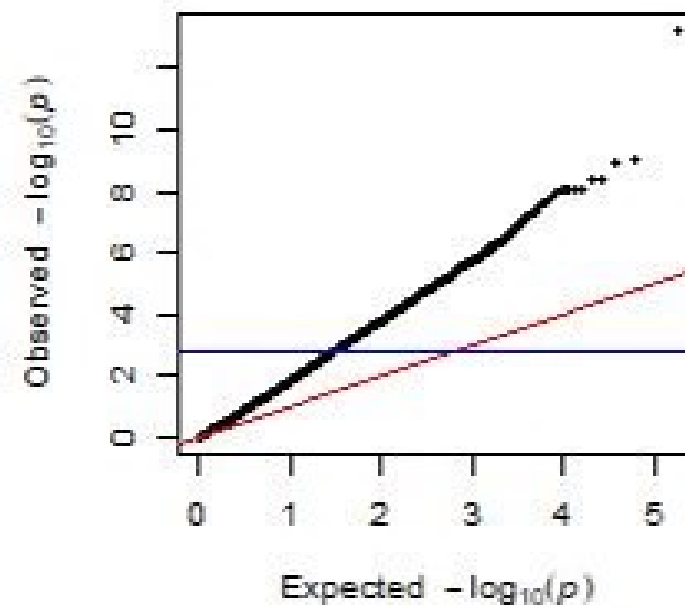


# trait: DHE\_07\_lu16

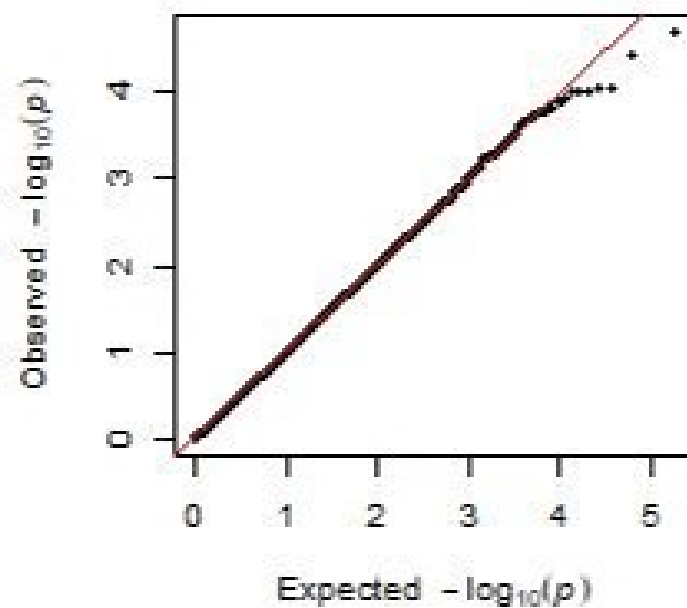
No accounting for kinship or structure



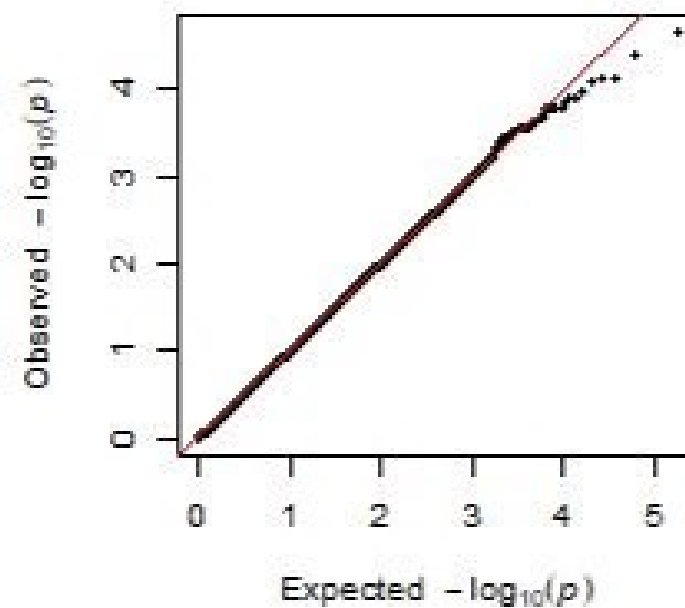
Accounting only for structure



Accounting only for kinship

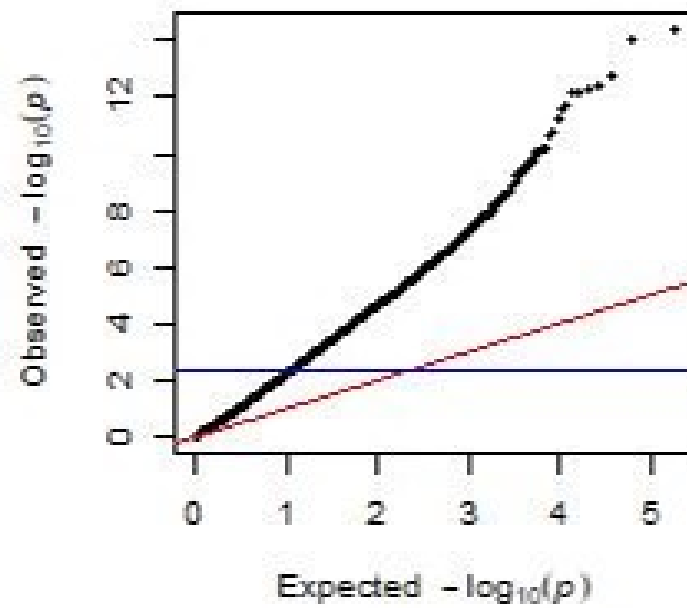


Accounting for kinship and structure

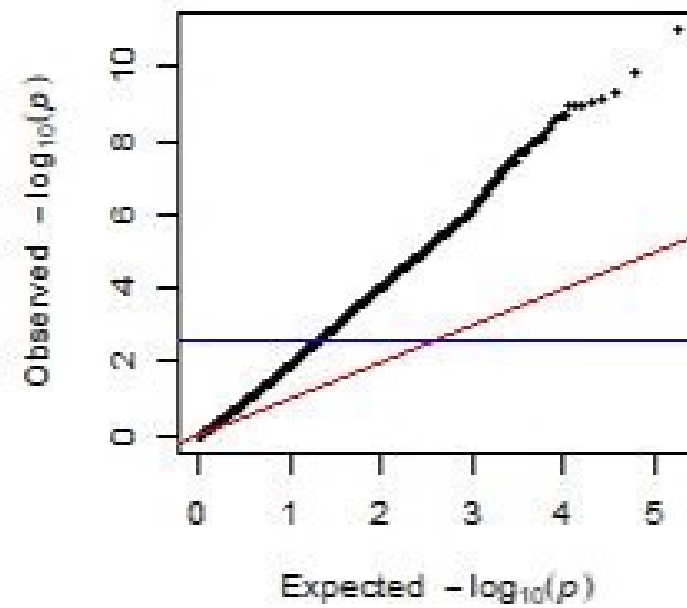


# trait: DIS\_avg

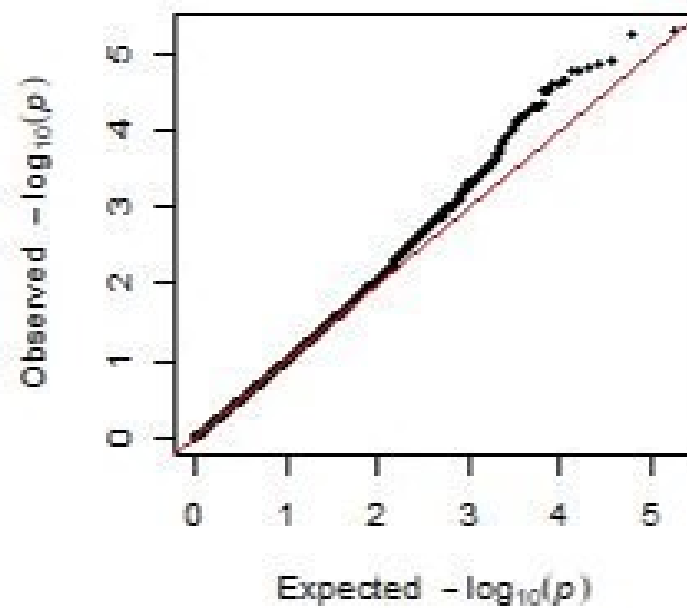
No accounting for kinship or structure



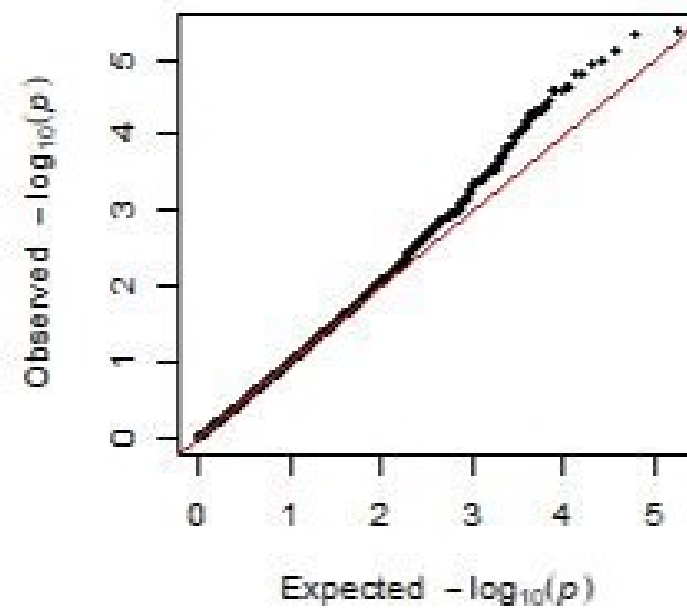
Accounting only for structure



Accounting only for kinship

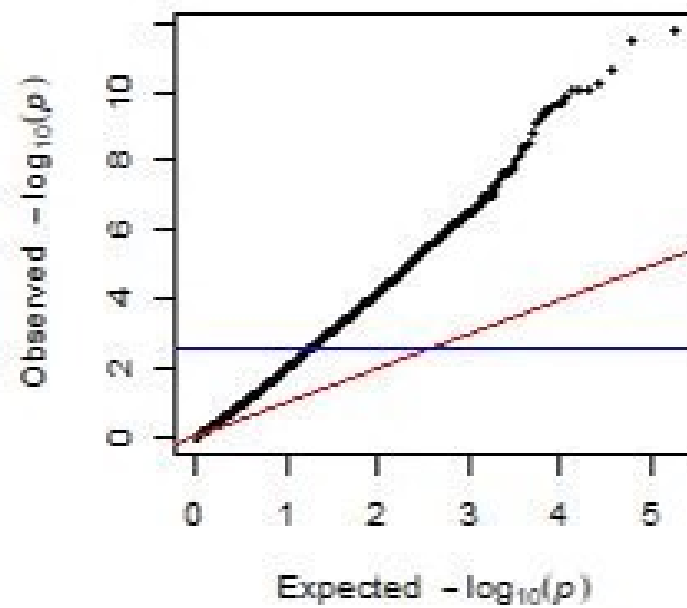


Accounting for kinship and structure

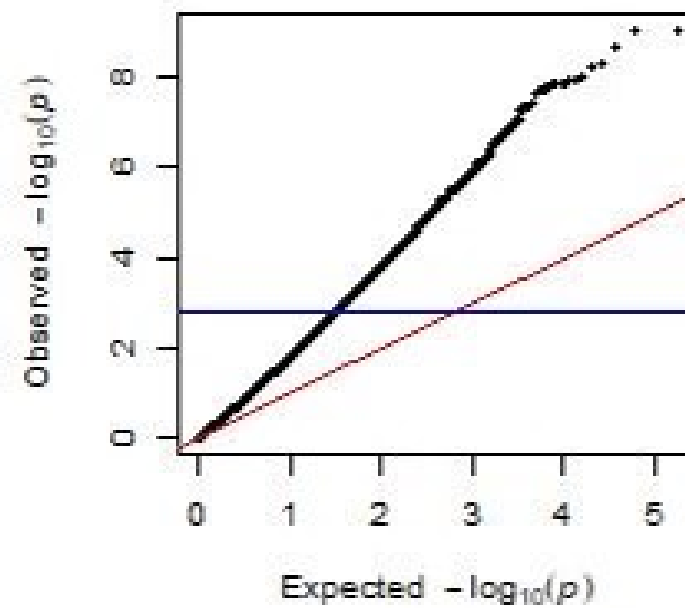


# trait: DIS\_lu15

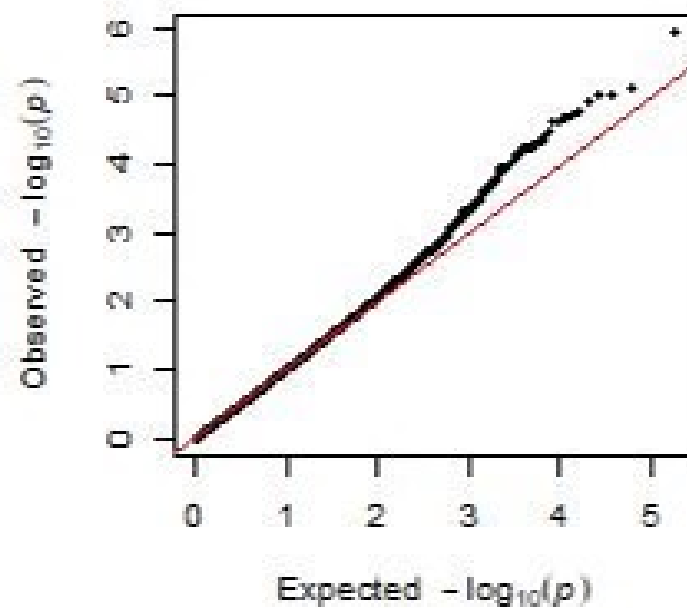
No accounting for kinship or structure



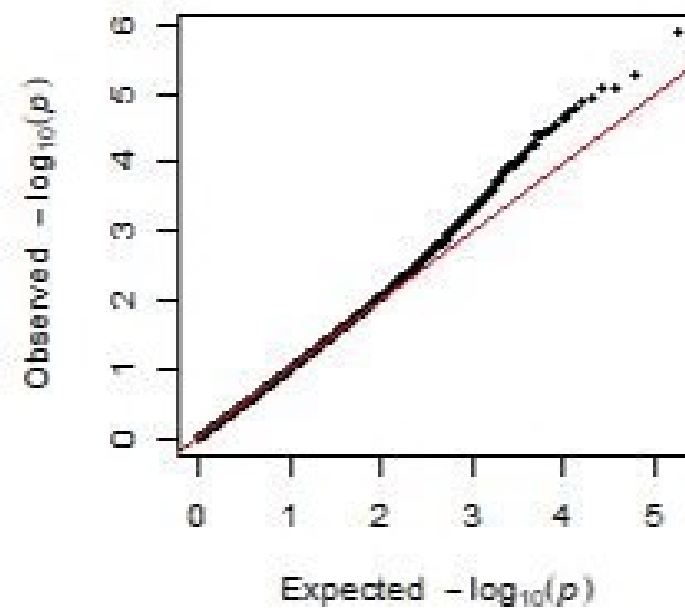
Accounting only for structure



Accounting only for kinship

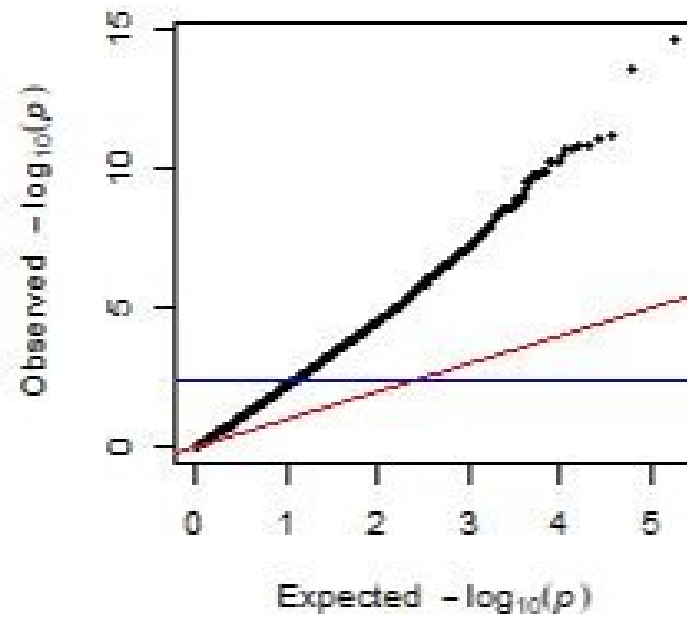


Accounting for kinship and structure

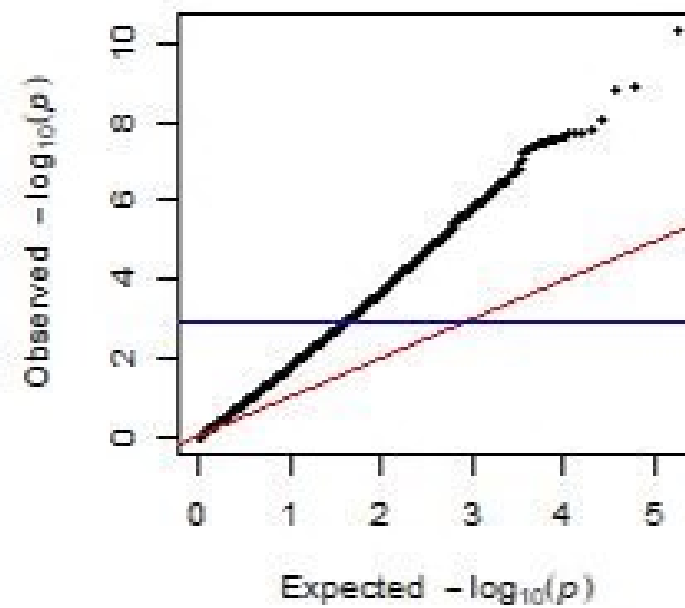


# trait: DIS\_lu16

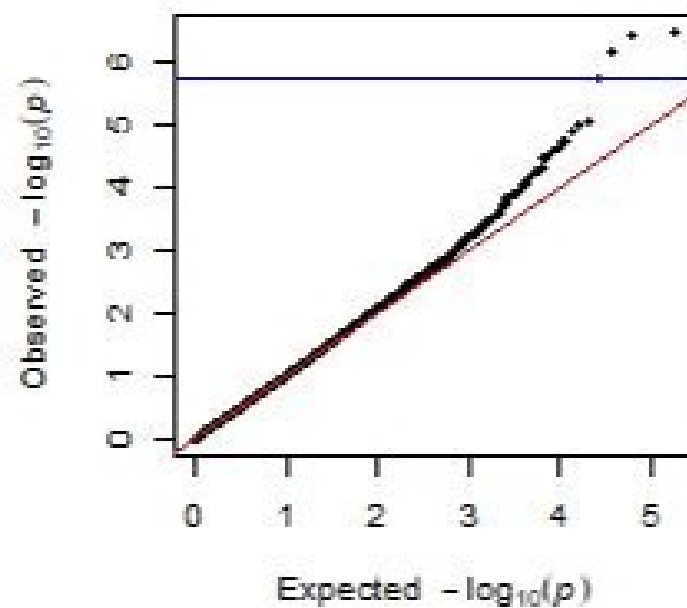
No accounting for kinship or structure



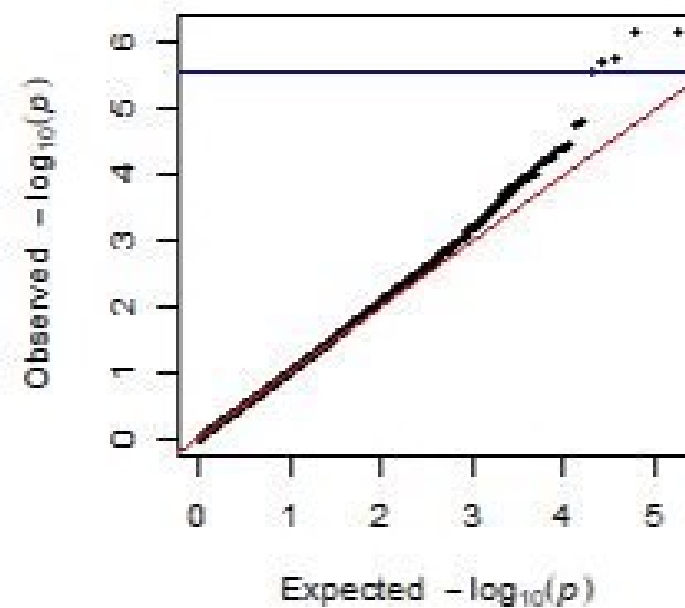
Accounting only for structure



Accounting only for kinship

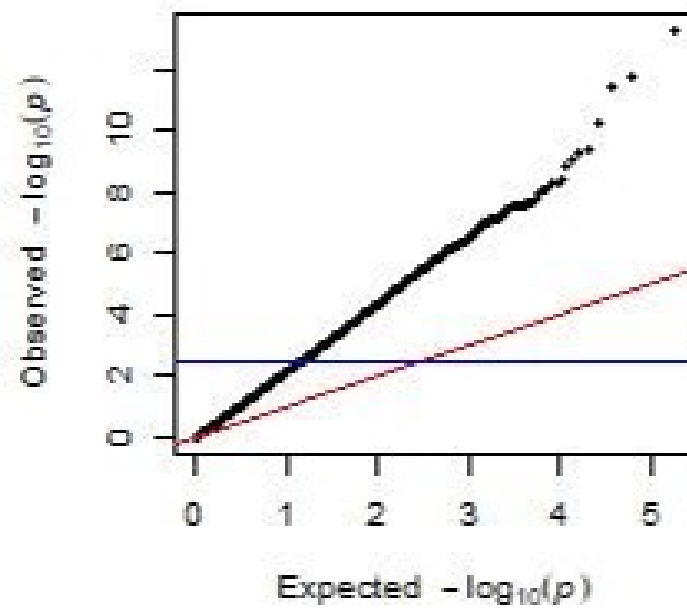


Accounting for kinship and structure

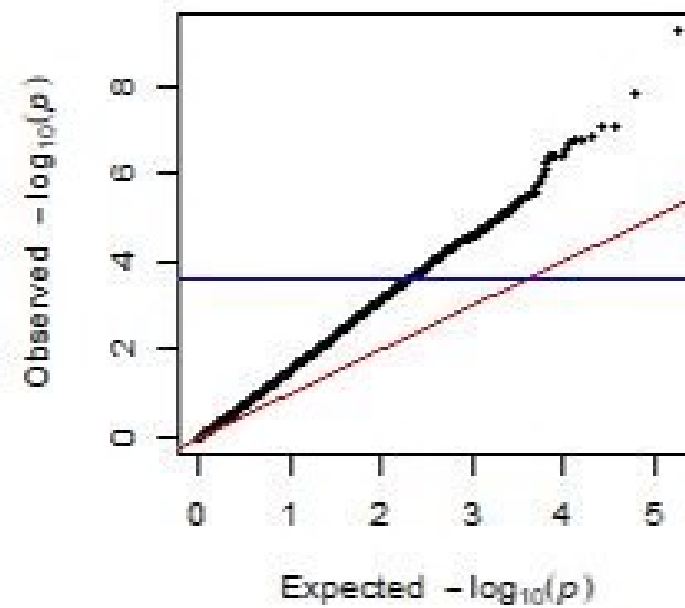


# trait: DIS\_lu17

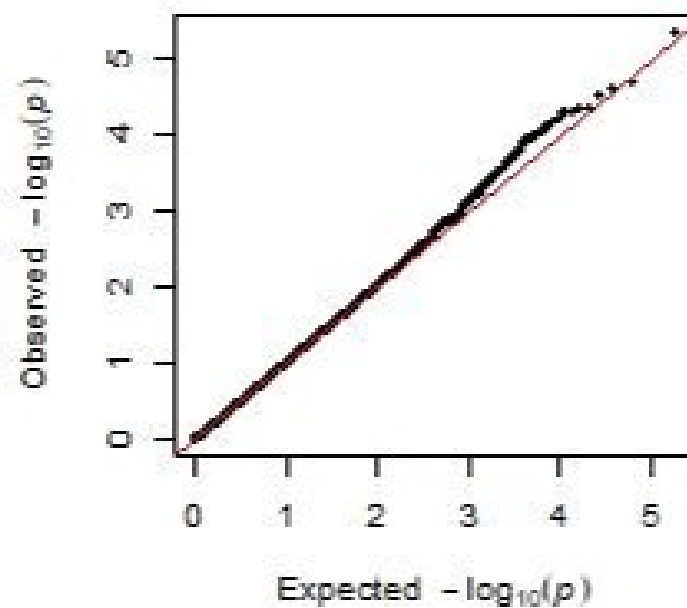
No accounting for kinship or structure



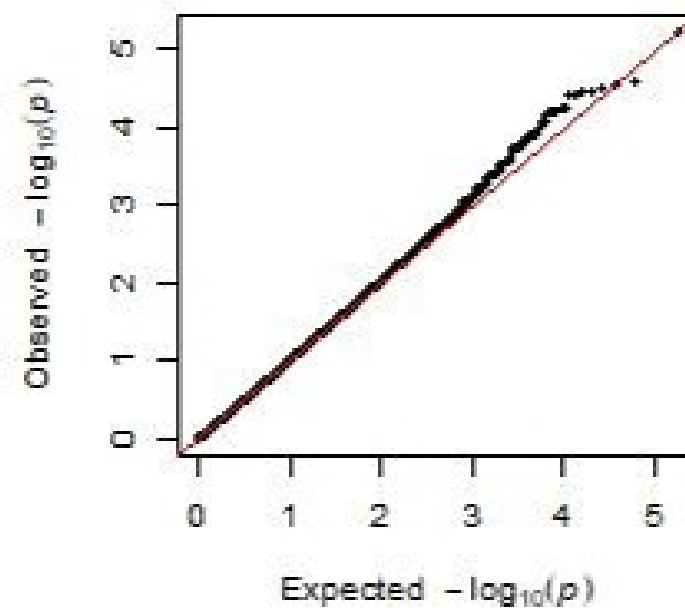
Accounting only for structure



Accounting only for kinship

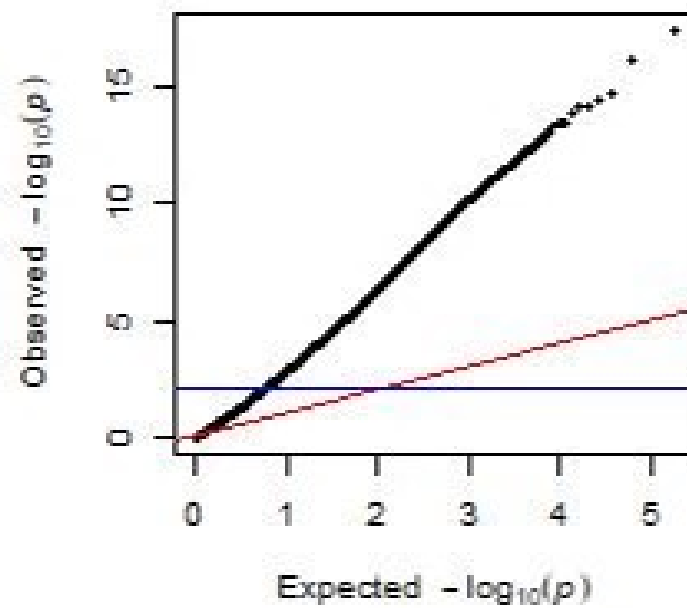


Accounting for kinship and structure

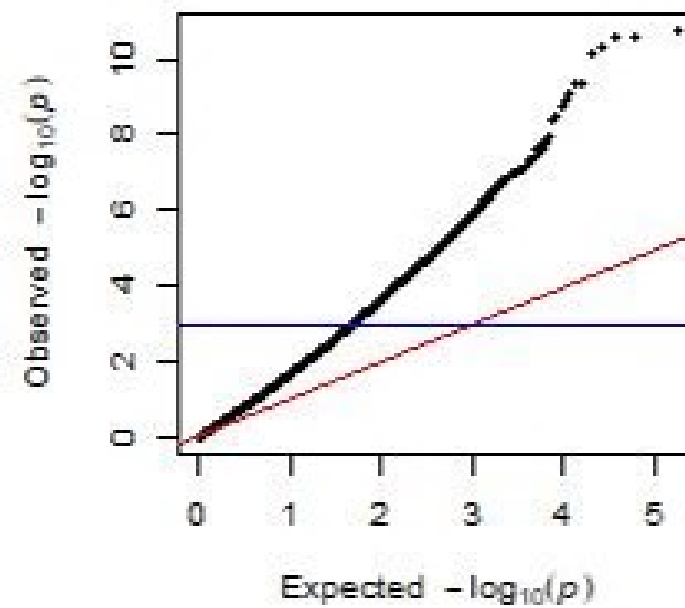


# trait: DIS\_me16

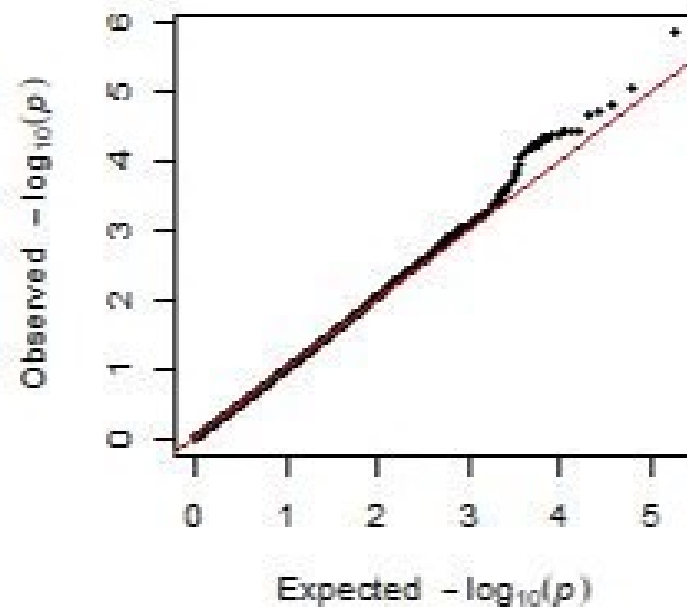
No accounting for kinship or structure



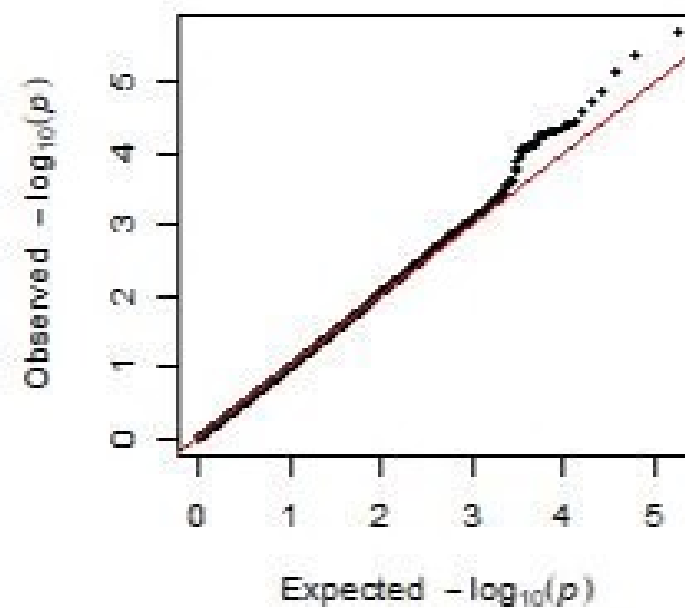
Accounting only for structure



Accounting only for kinship

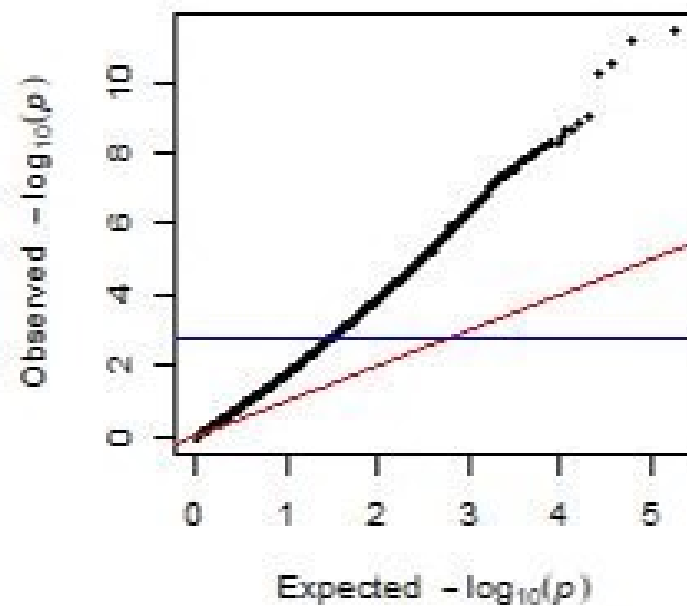


Accounting for kinship and structure

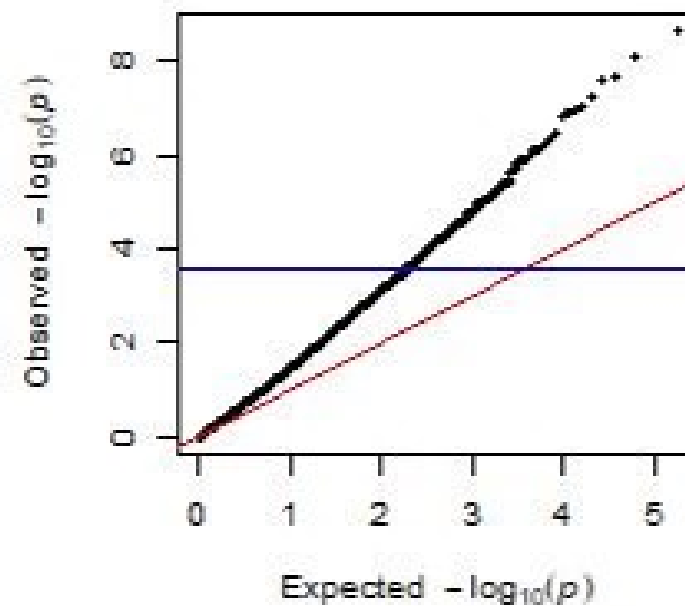


# trait: DIS\_me17

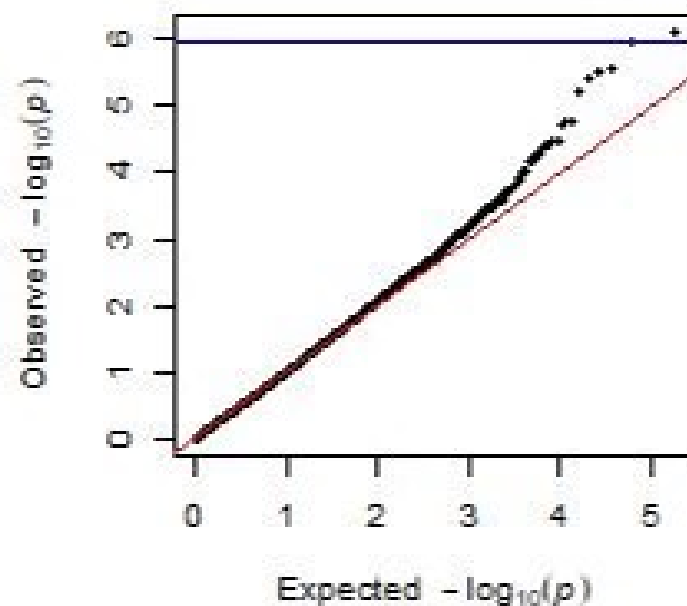
No accounting for kinship or structure



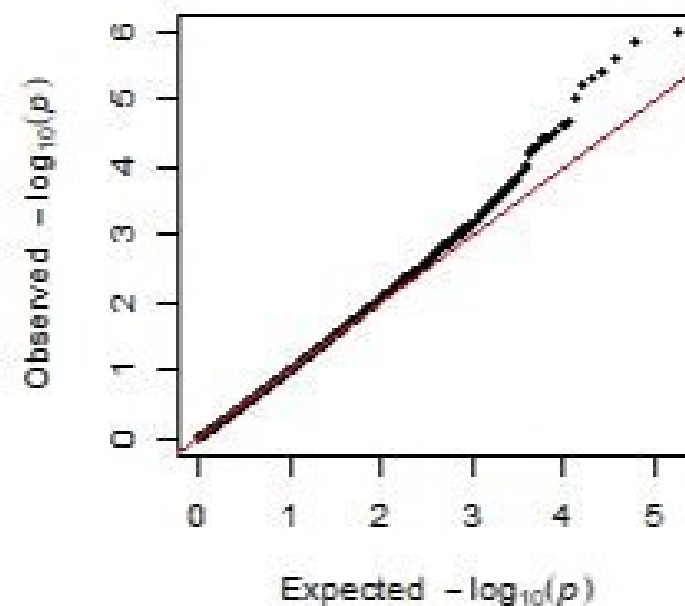
Accounting only for structure



Accounting only for kinship

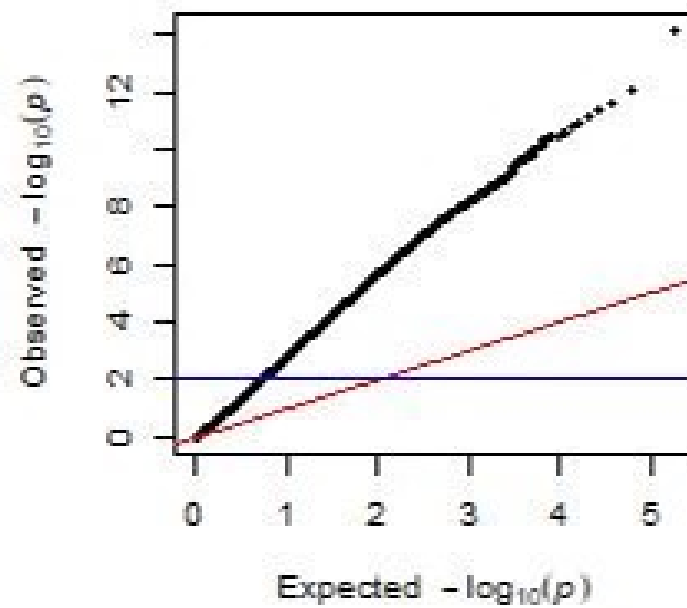


Accounting for kinship and structure

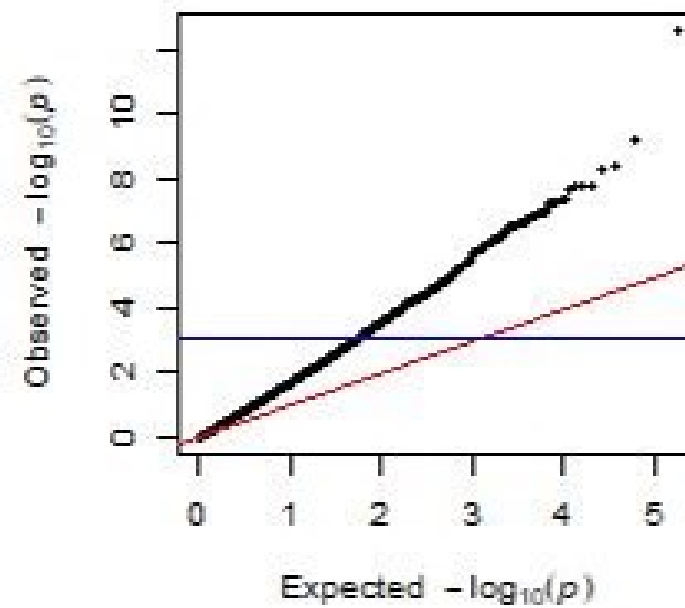


# trait: DIS\_po15

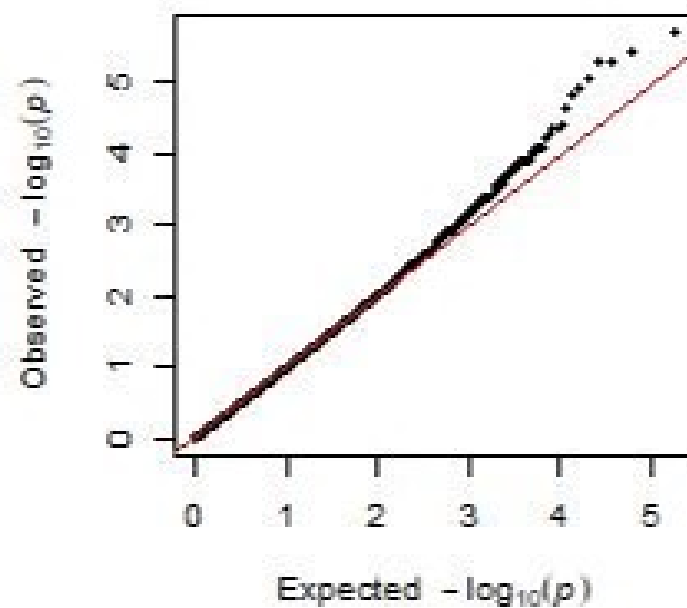
No accounting for kinship or structure



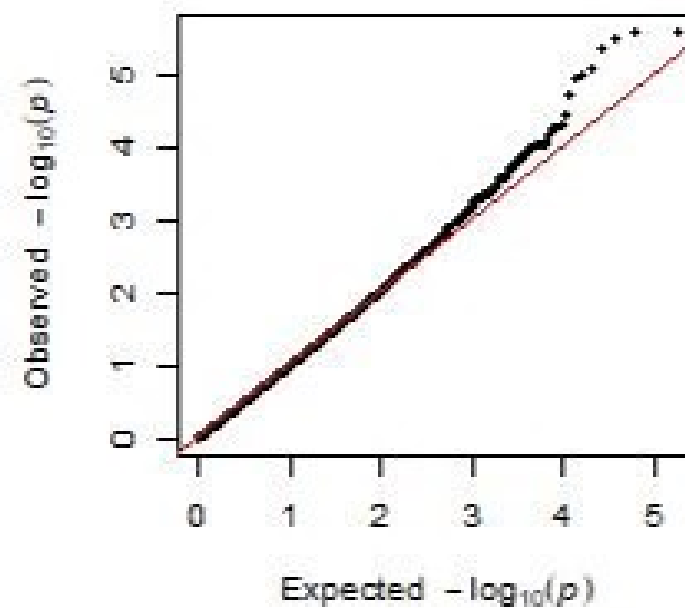
Accounting only for structure



Accounting only for kinship



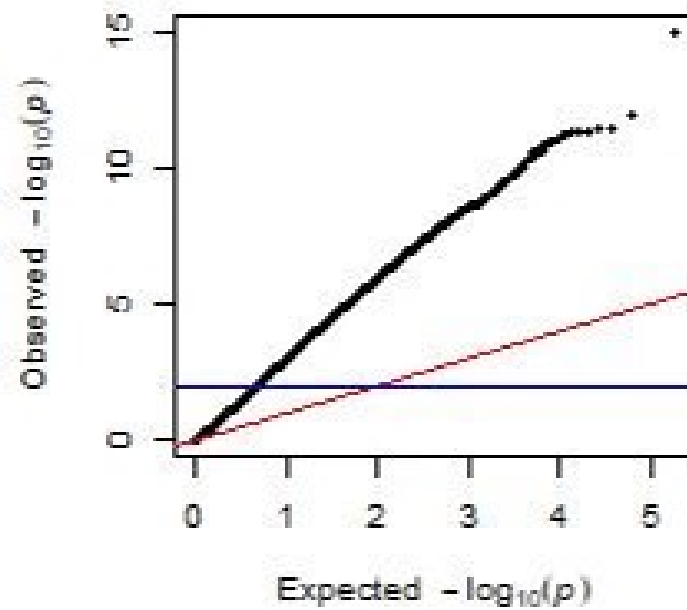
Accounting for kinship and structure



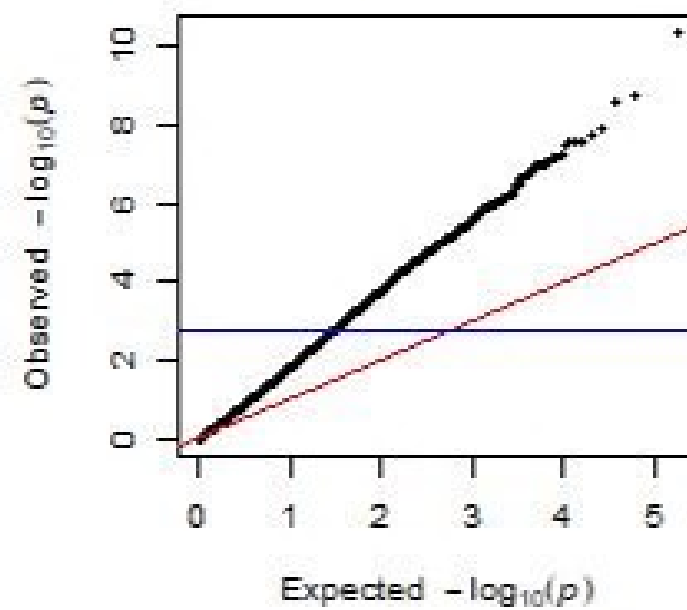


# trait: DIS\_po17

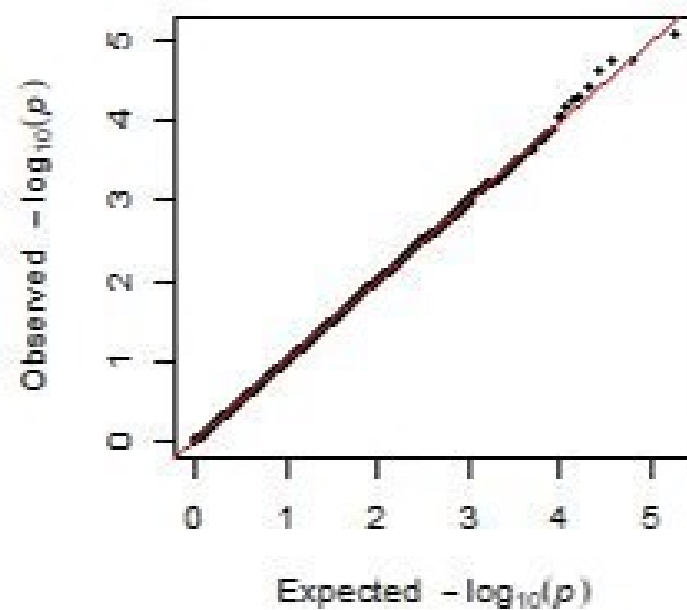
No accounting for kinship or structure



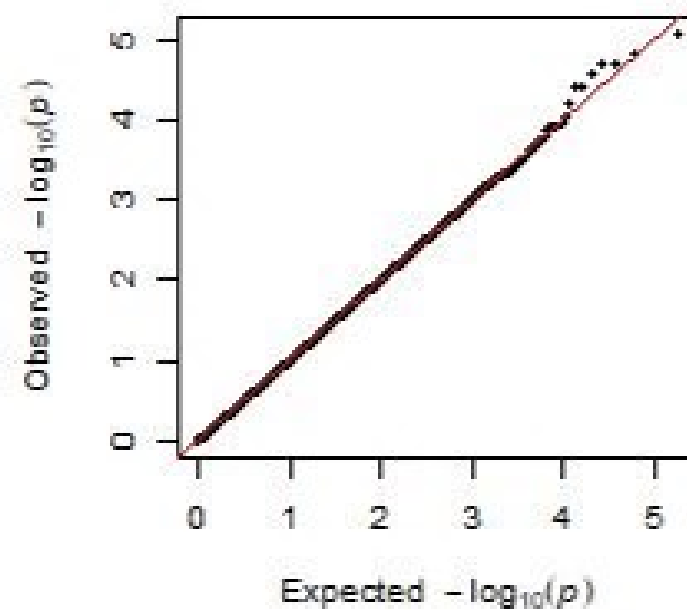
Accounting only for structure



Accounting only for kinship

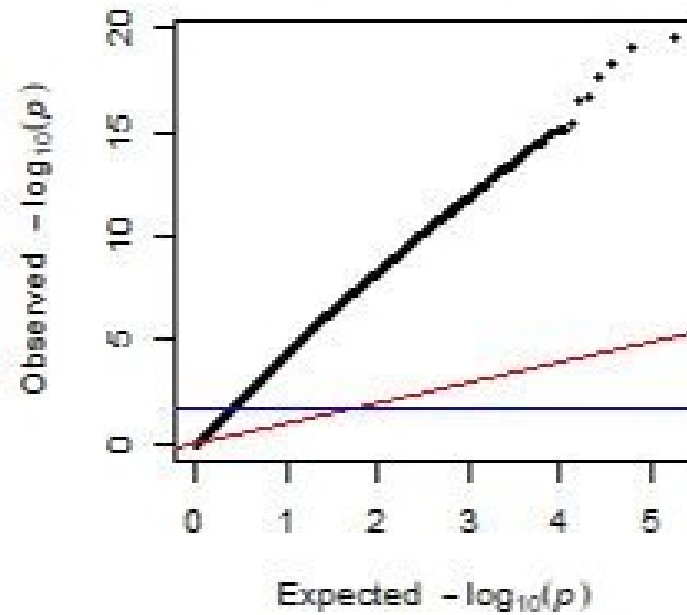


Accounting for kinship and structure

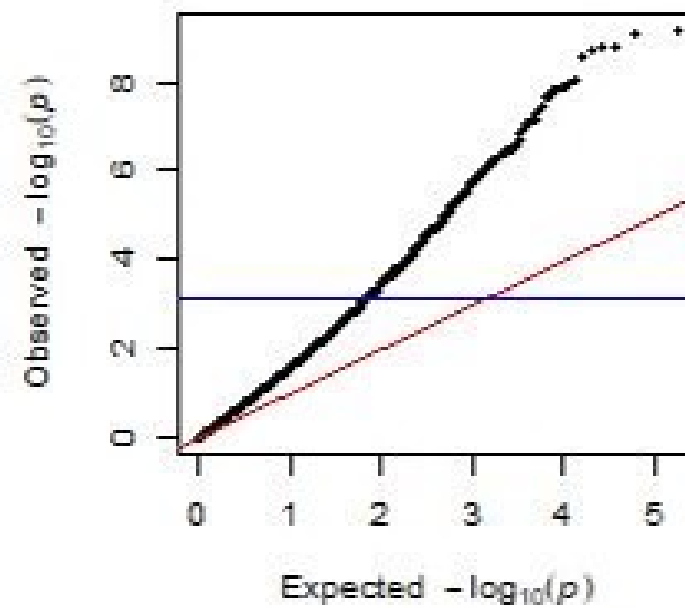


# trait: DNDF\_04\_me17

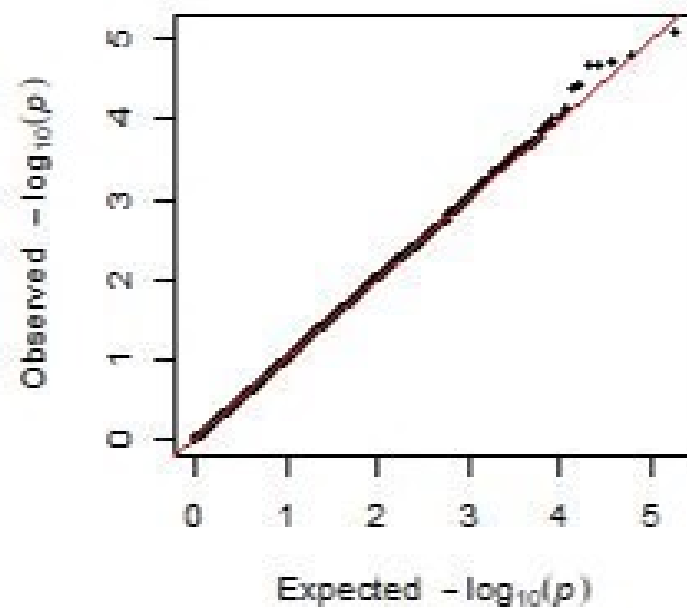
No accounting for kinship or structure



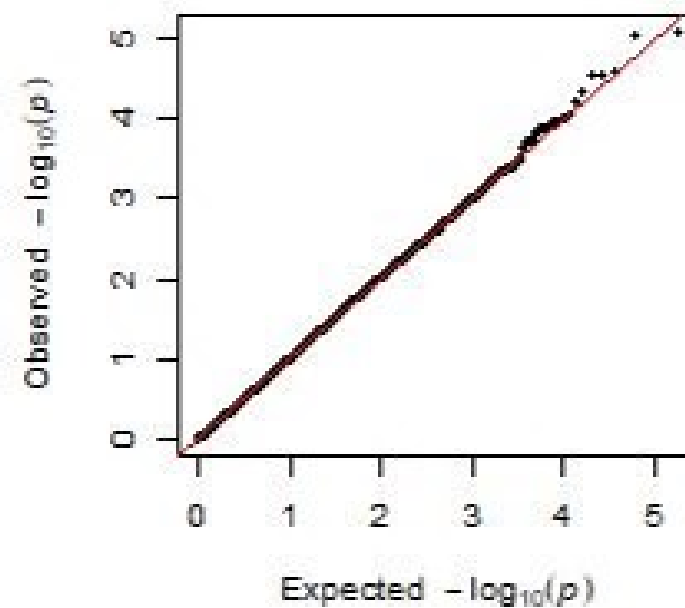
Accounting only for structure



Accounting only for kinship

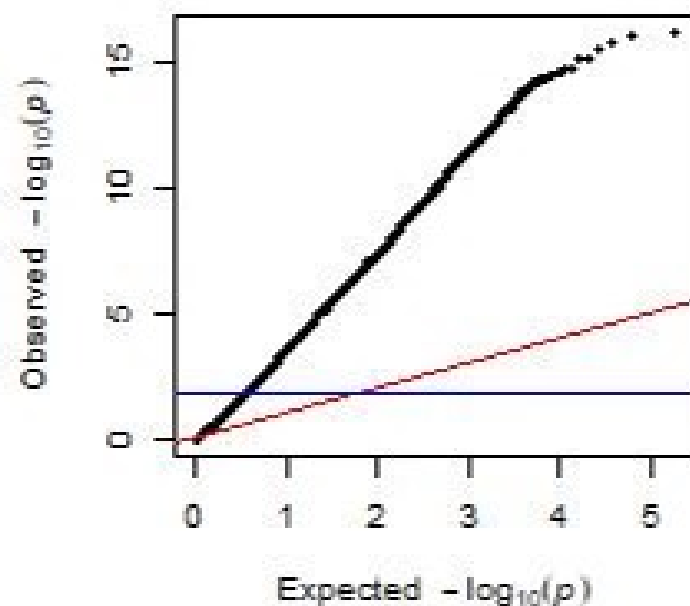


Accounting for kinship and structure

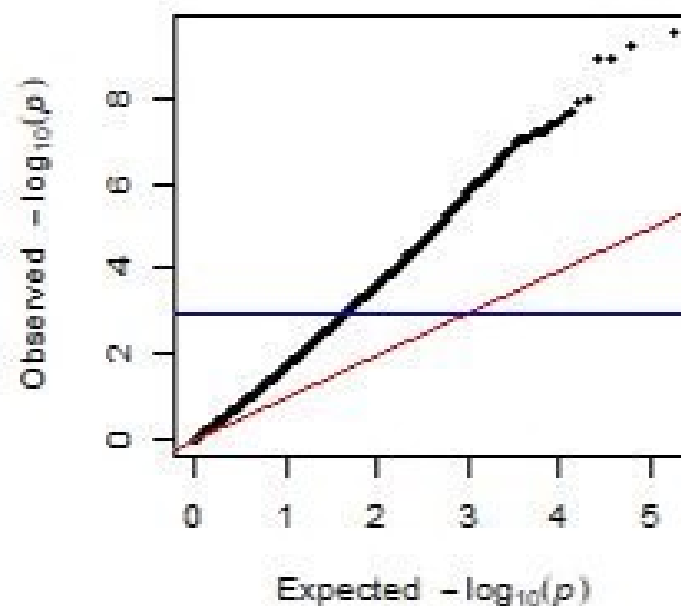


# trait: DNDF\_10\_me17

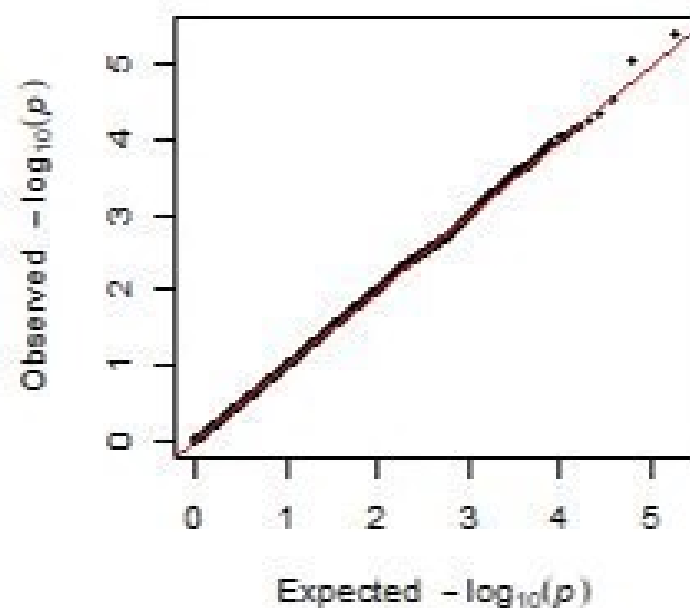
No accounting for kinship or structure



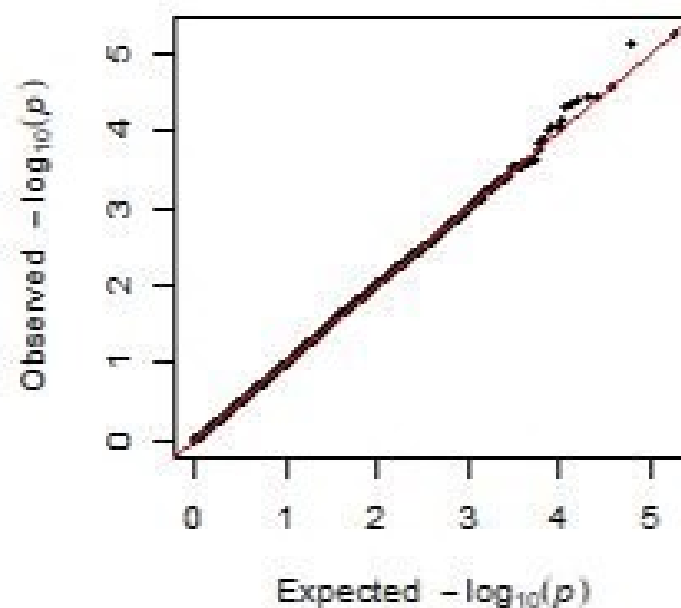
Accounting only for structure



Accounting only for kinship

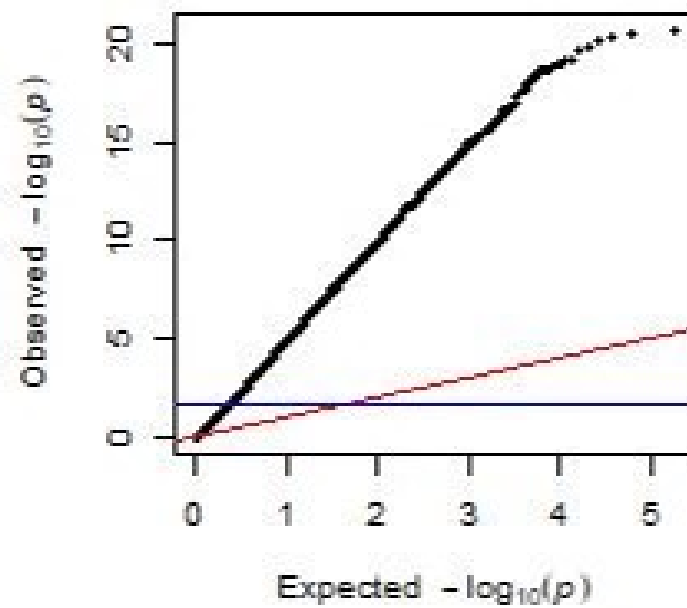


Accounting for kinship and structure

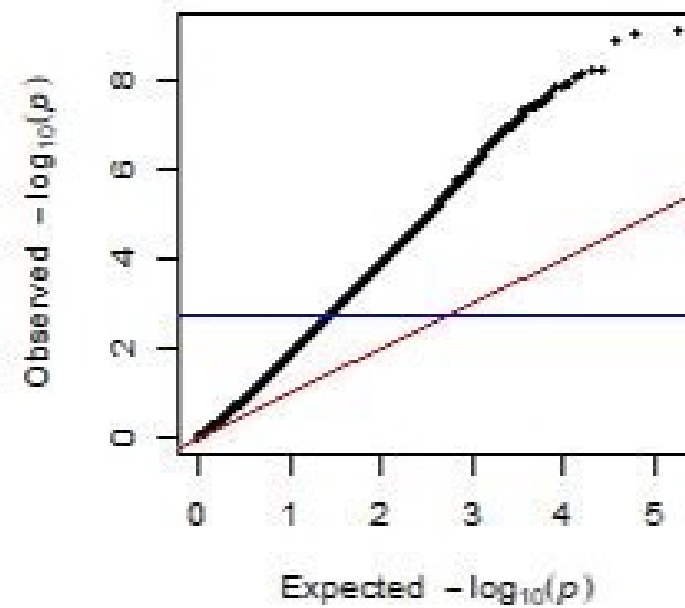


# trait: DNDF\_avg

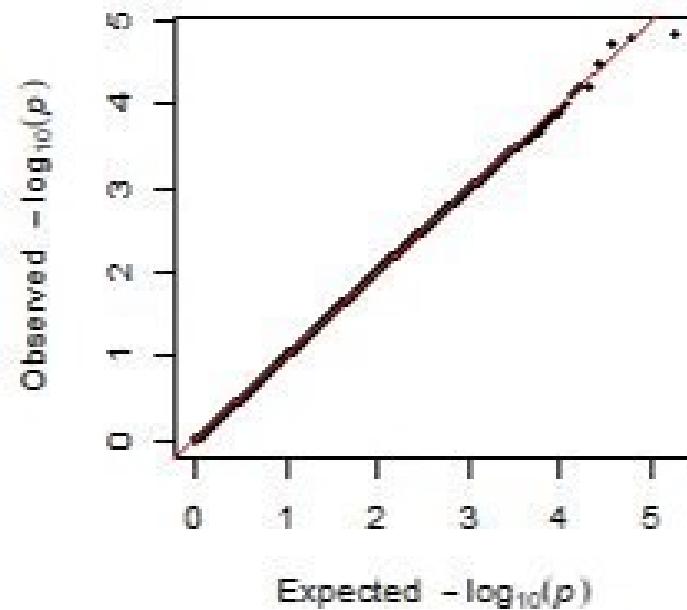
No accounting for kinship or structure



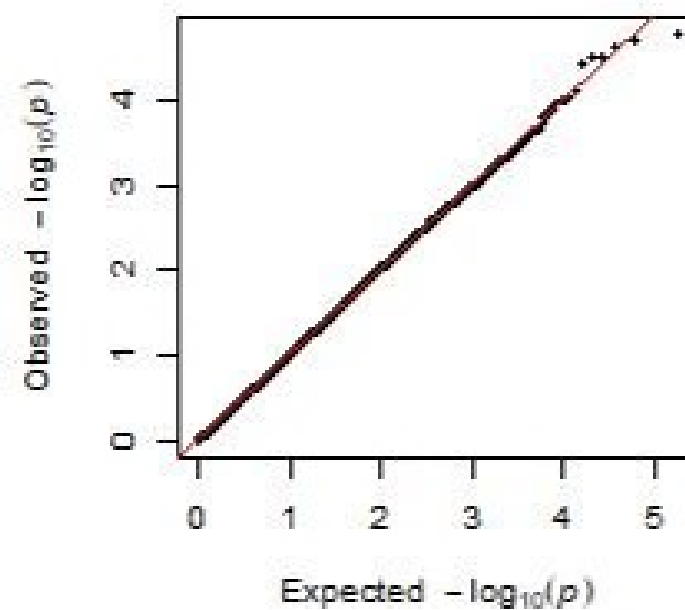
Accounting only for structure



Accounting only for kinship

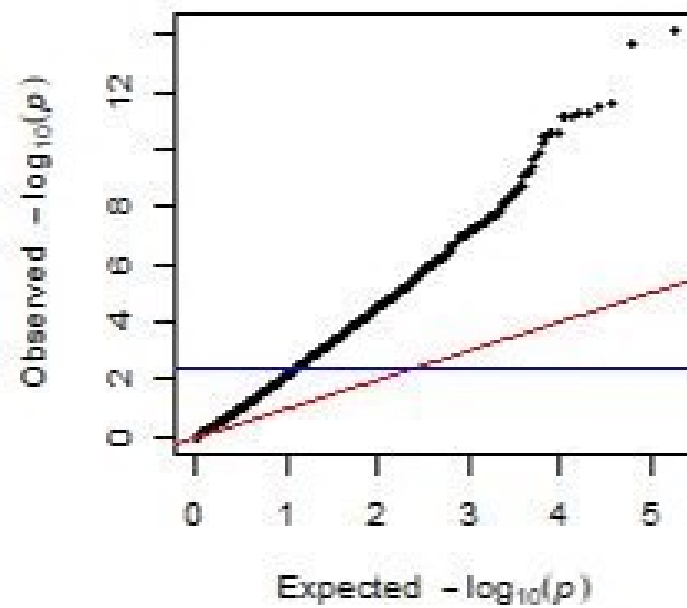


Accounting for kinship and structure

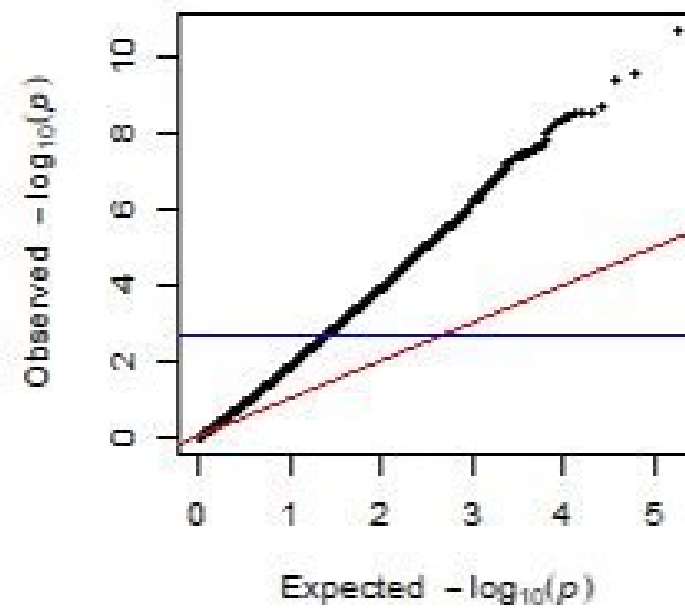


# trait: DRB\_lu1516

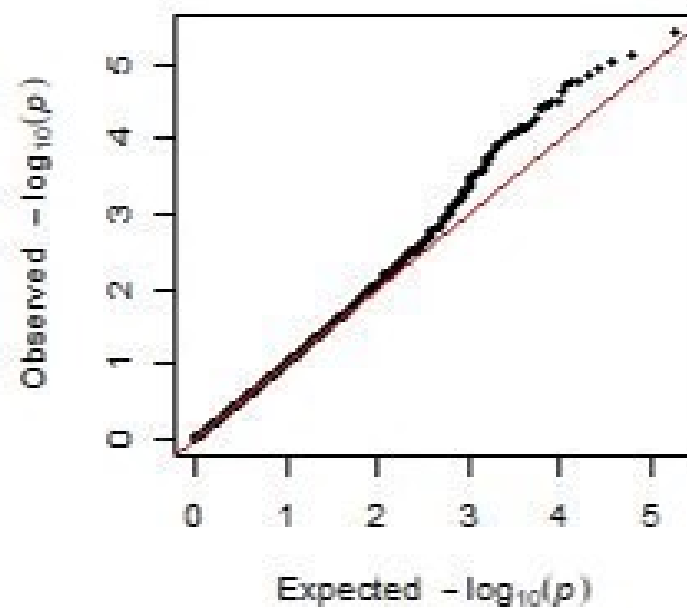
No accounting for kinship or structure



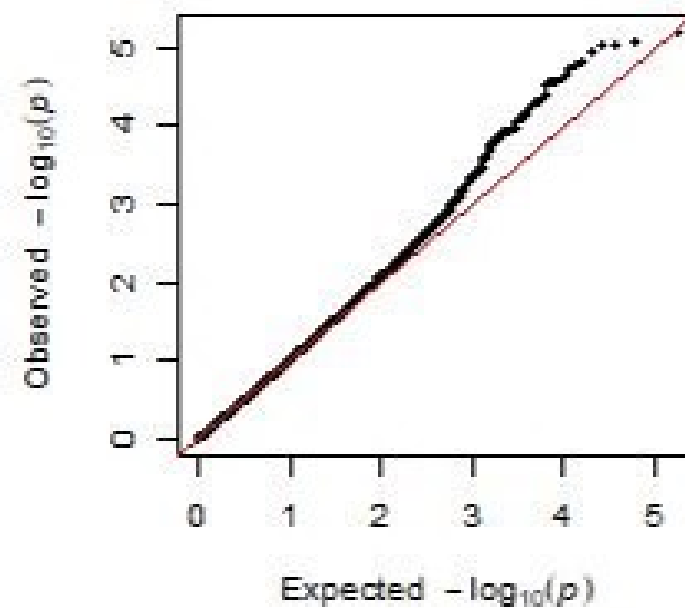
Accounting only for structure



Accounting only for kinship

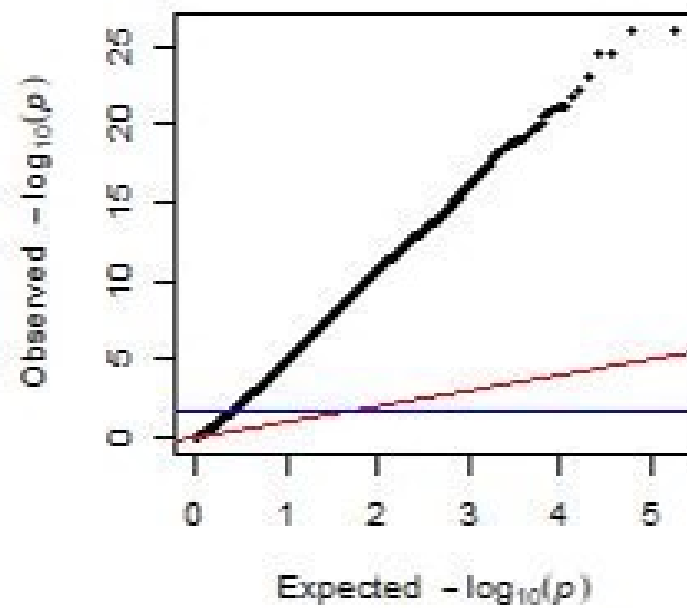


Accounting for kinship and structure

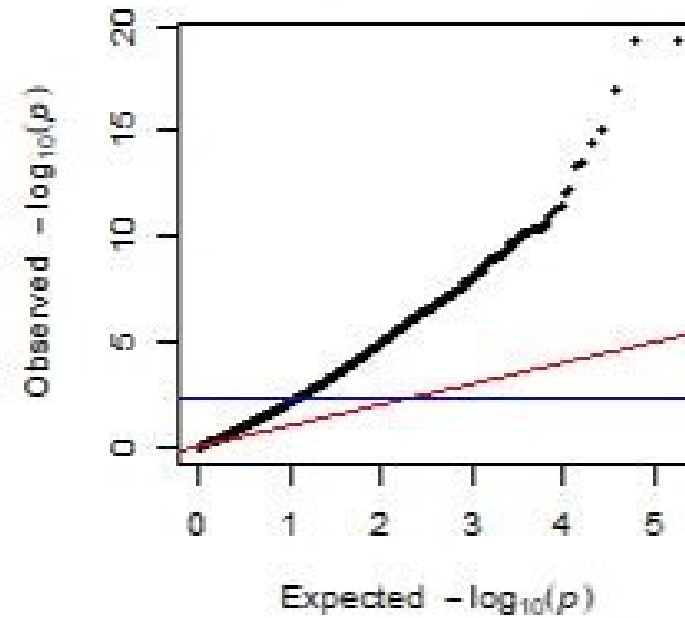


# trait: DRO\_avg

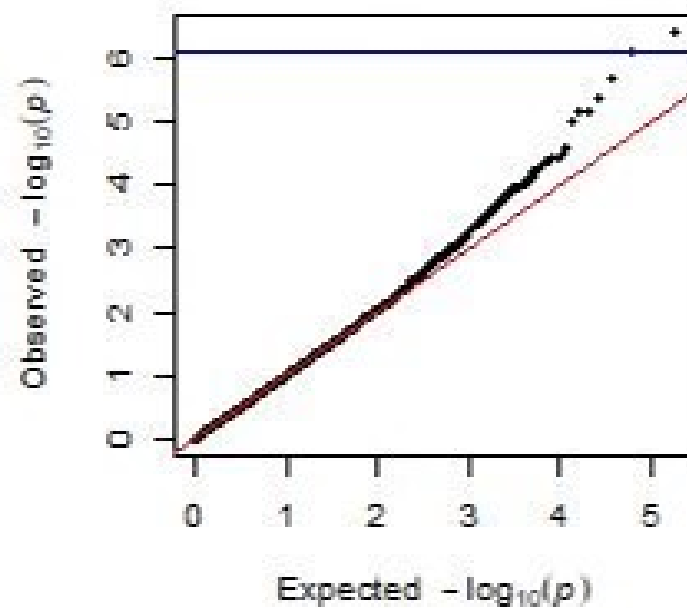
No accounting for kinship or structure



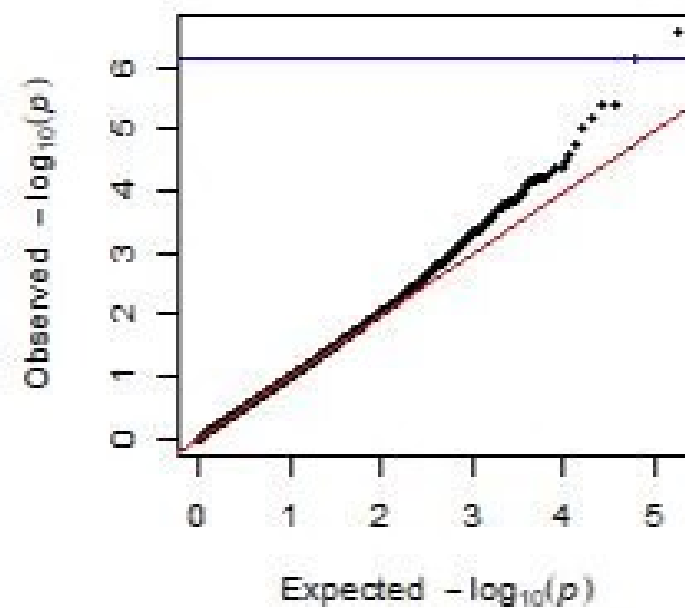
Accounting only for structure



Accounting only for kinship

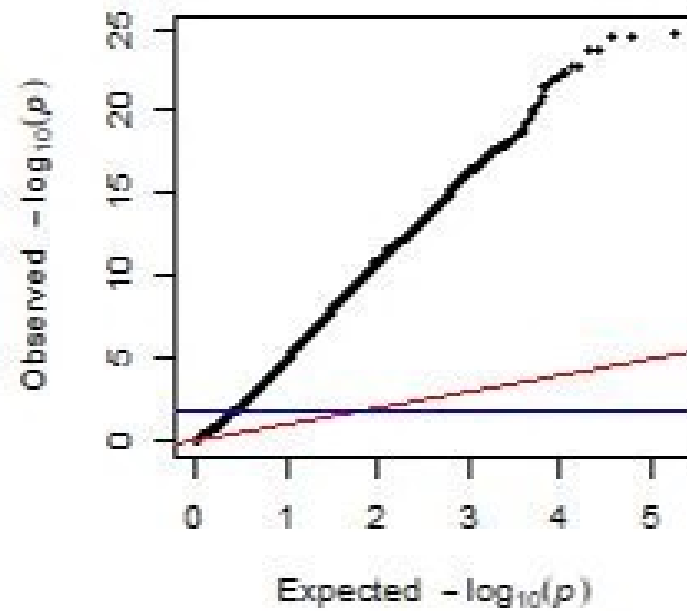


Accounting for kinship and structure

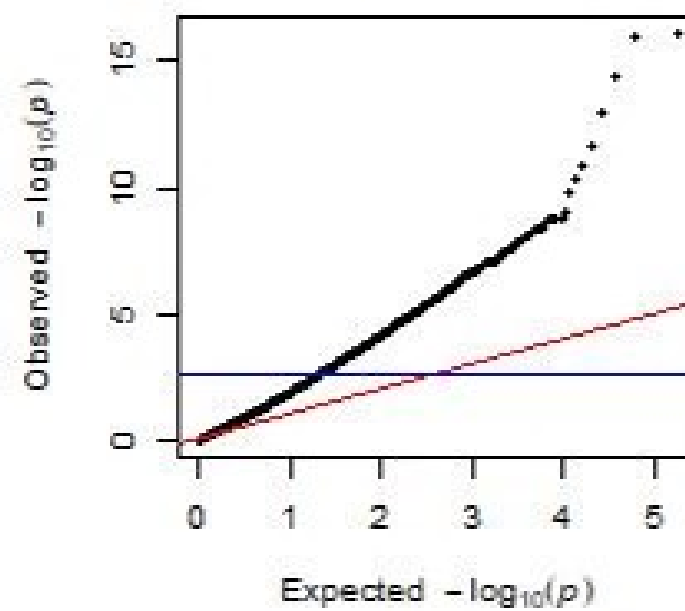


# trait: DRO\_lu16

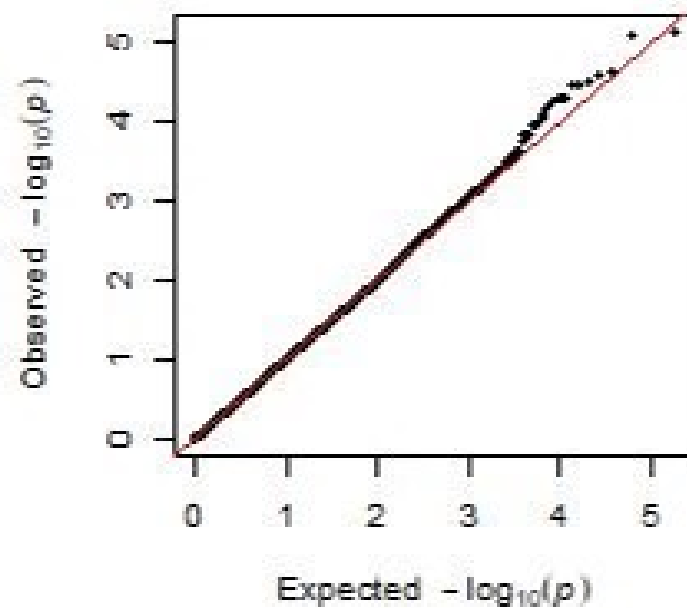
No accounting for kinship or structure



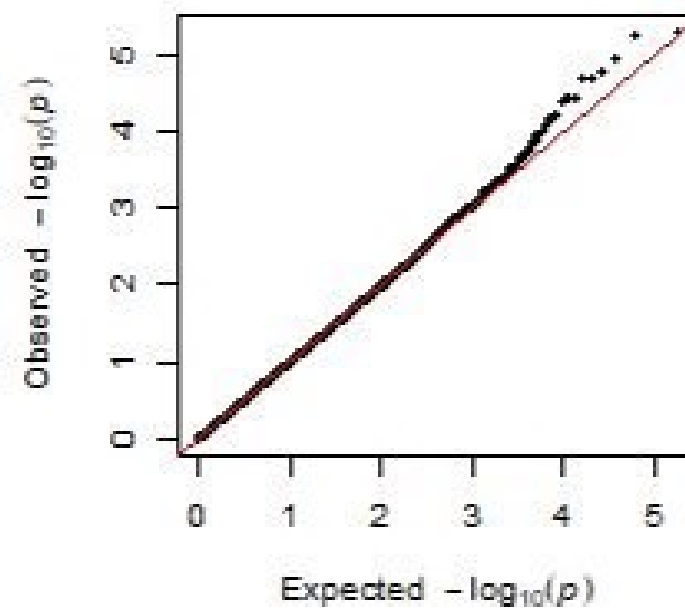
Accounting only for structure



Accounting only for kinship

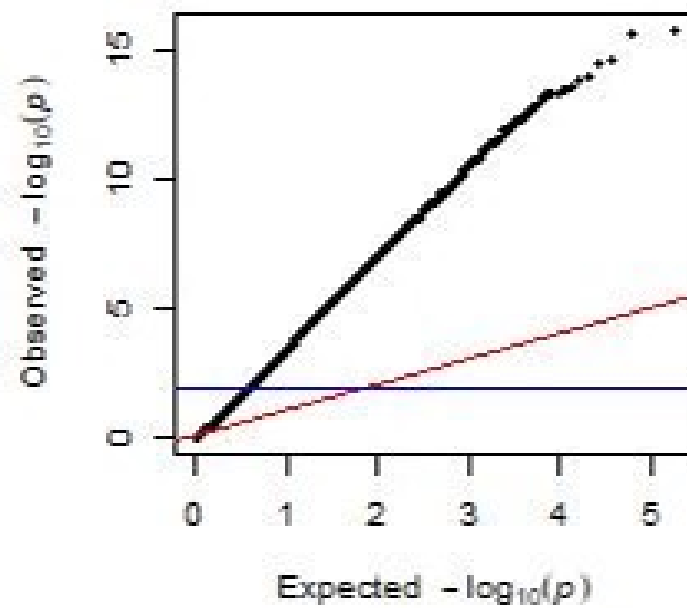


Accounting for kinship and structure

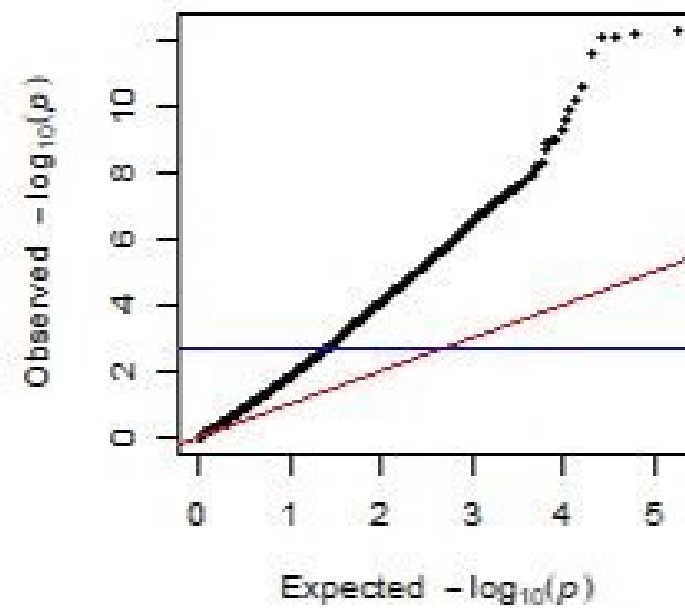


# trait: DRO\_po16

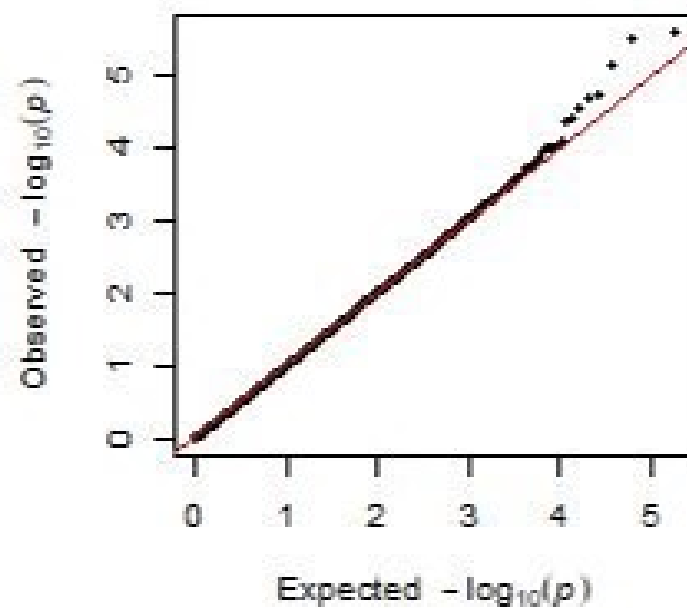
No accounting for kinship or structure



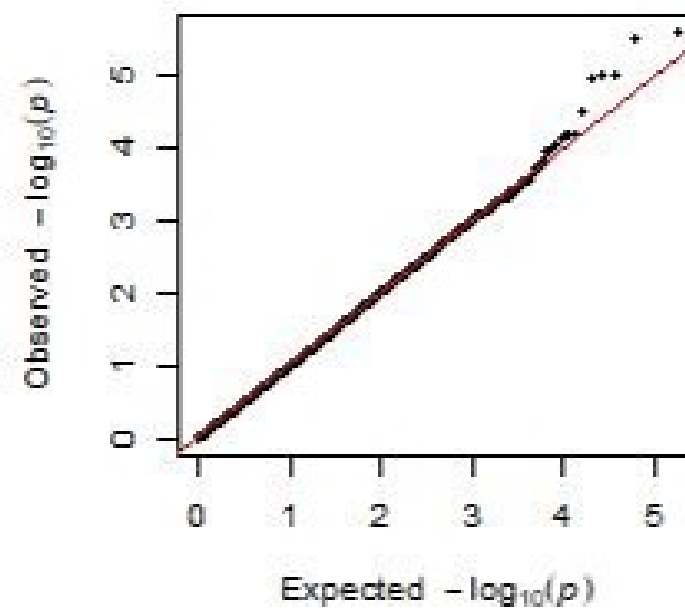
Accounting only for structure



Accounting only for kinship



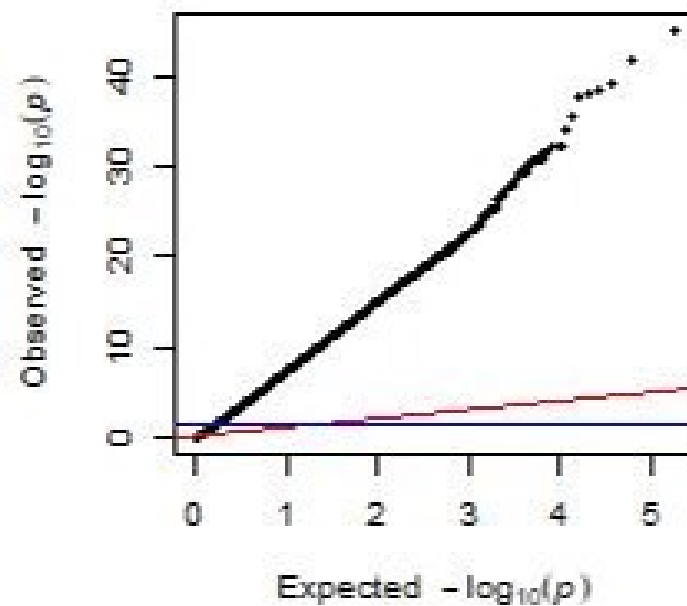
Accounting for kinship and structure



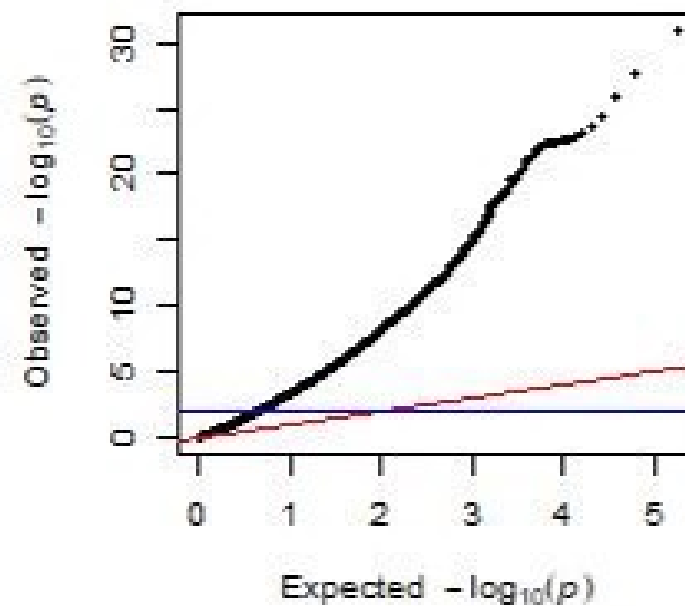


# trait: DST\_avg

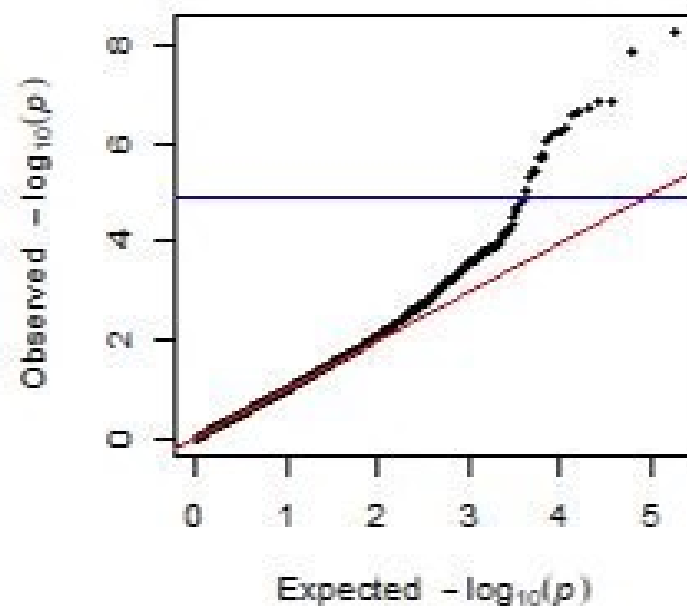
No accounting for kinship or structure



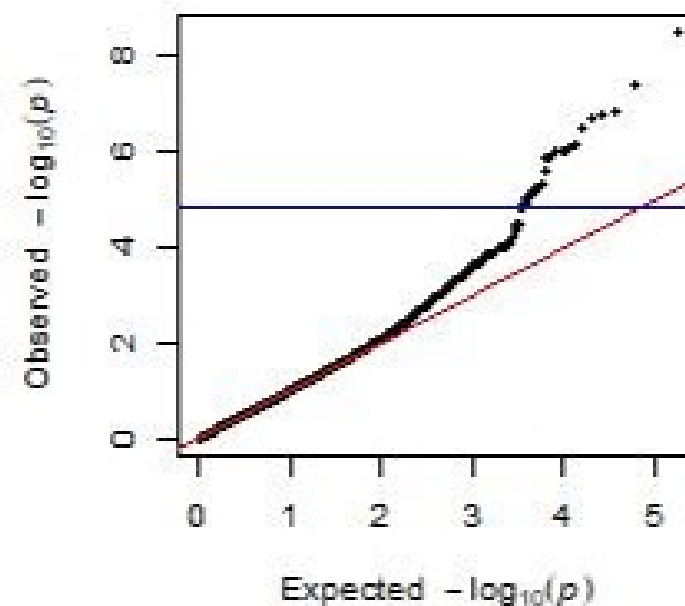
Accounting only for structure



Accounting only for kinship

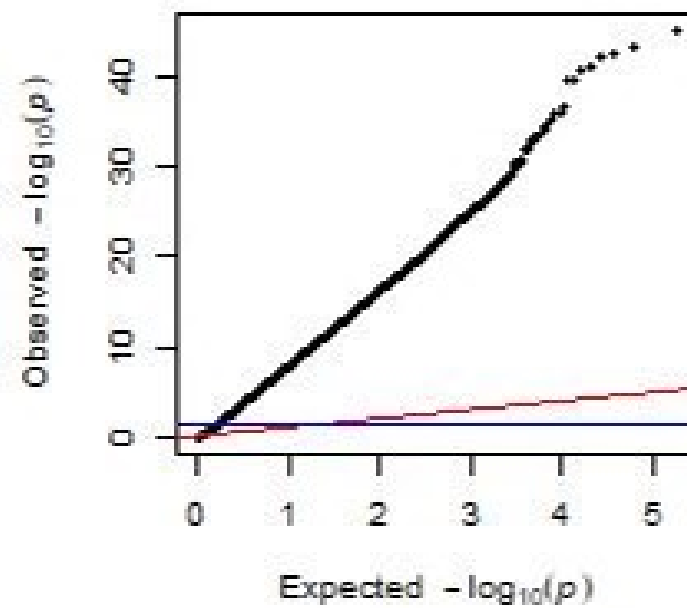


Accounting for kinship and structure

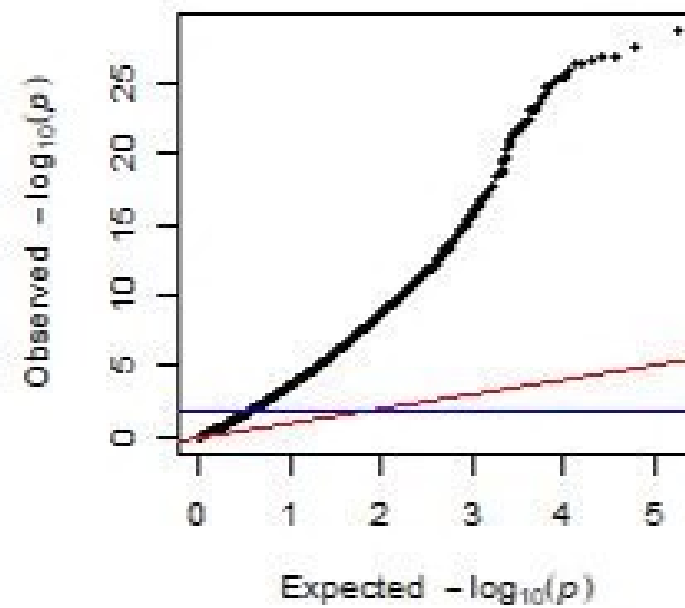


# trait: DST\_lu17

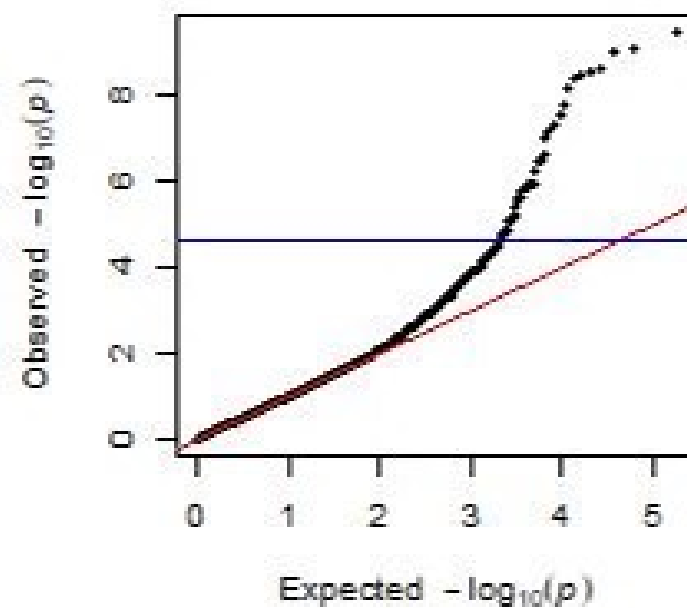
No accounting for kinship or structure



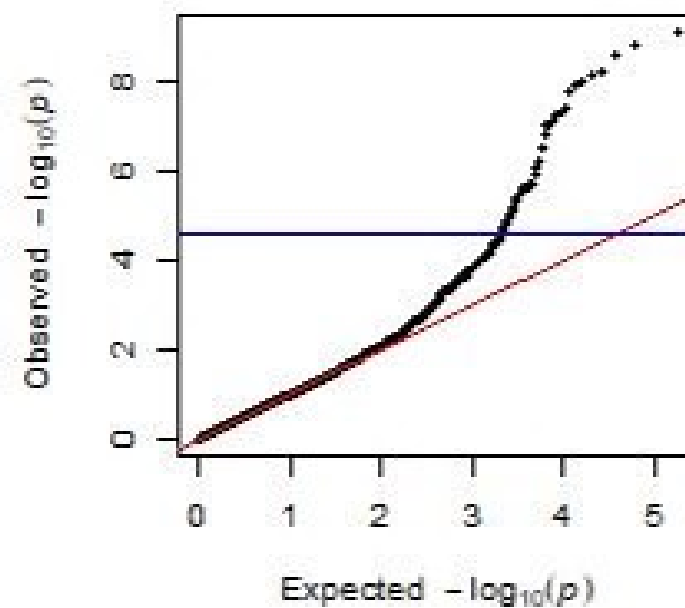
Accounting only for structure



Accounting only for kinship

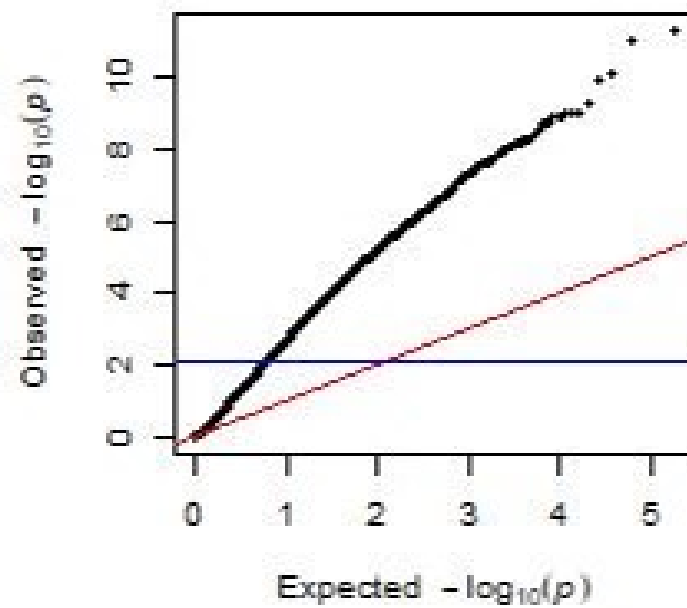


Accounting for kinship and structure

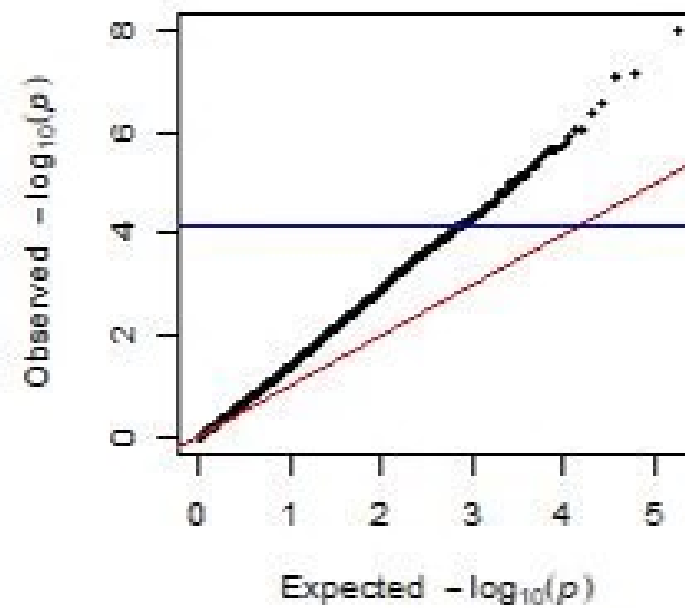


# trait: DST\_po17

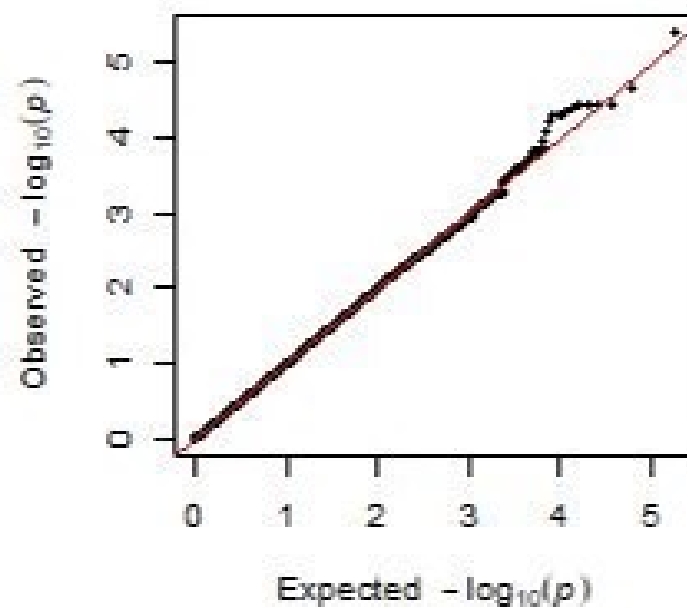
No accounting for kinship or structure



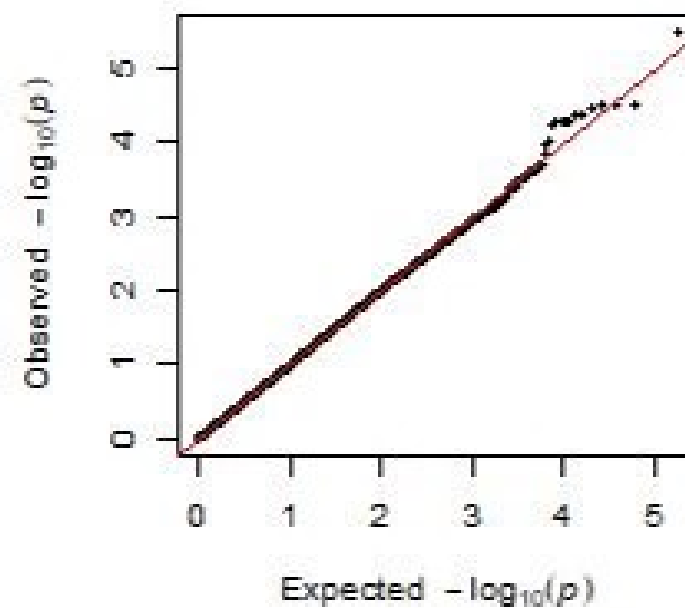
Accounting only for structure



Accounting only for kinship

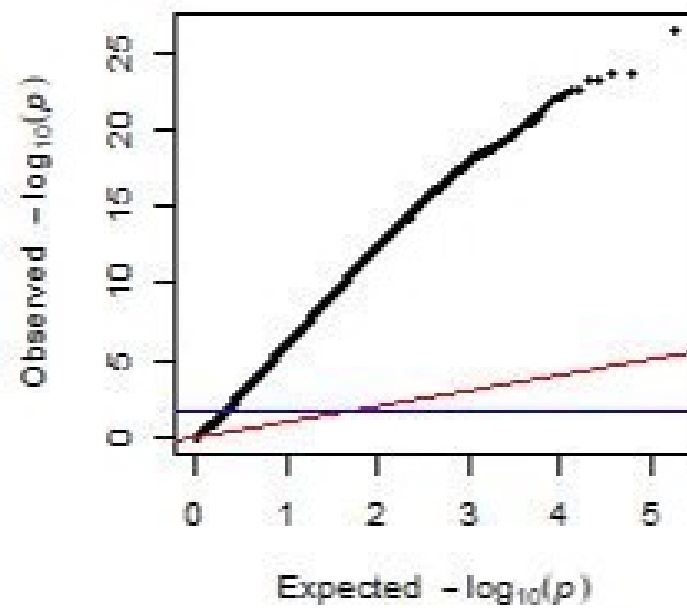


Accounting for kinship and structure

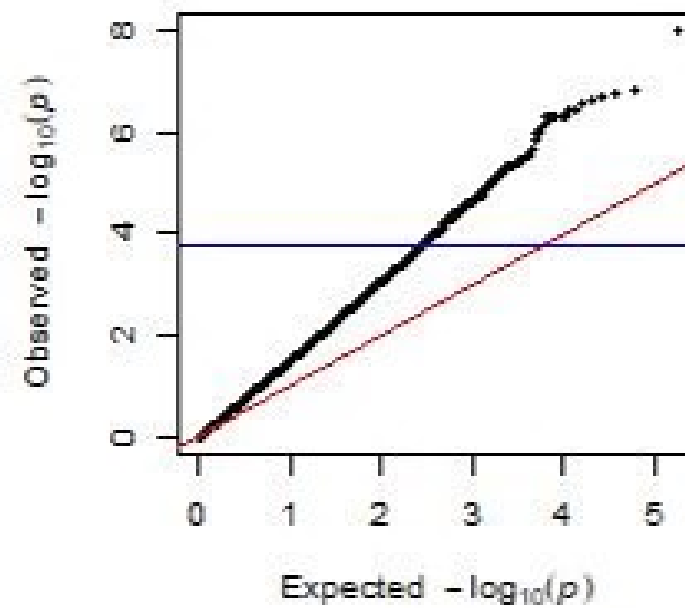


# trait: DVG\_04\_lu17

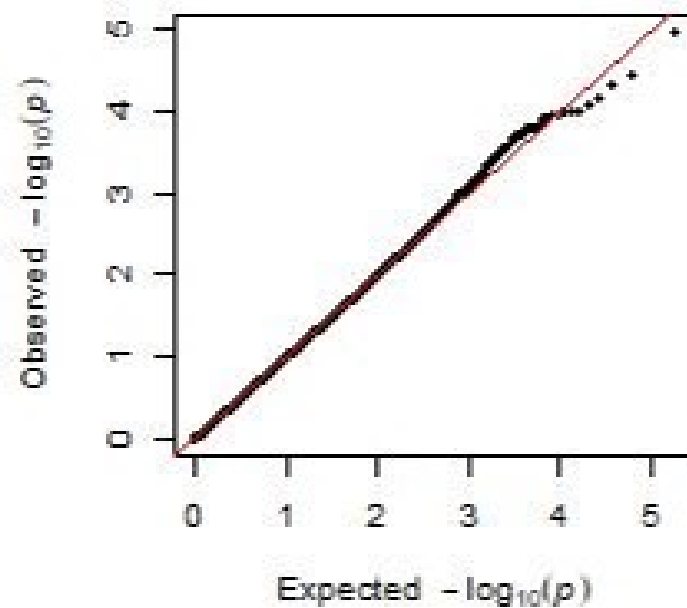
No accounting for kinship or structure



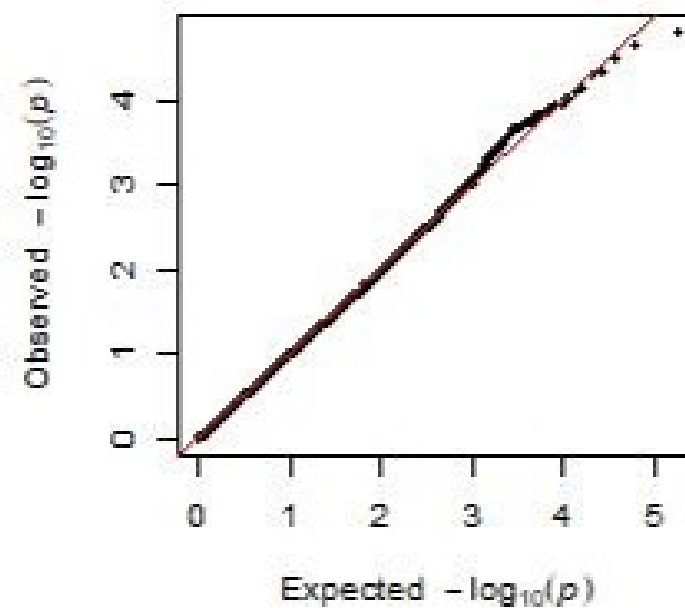
Accounting only for structure



Accounting only for kinship

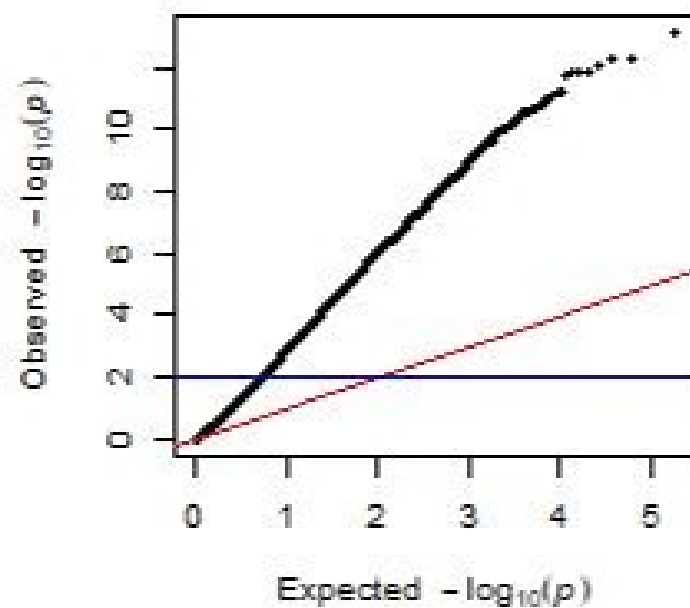


Accounting for kinship and structure

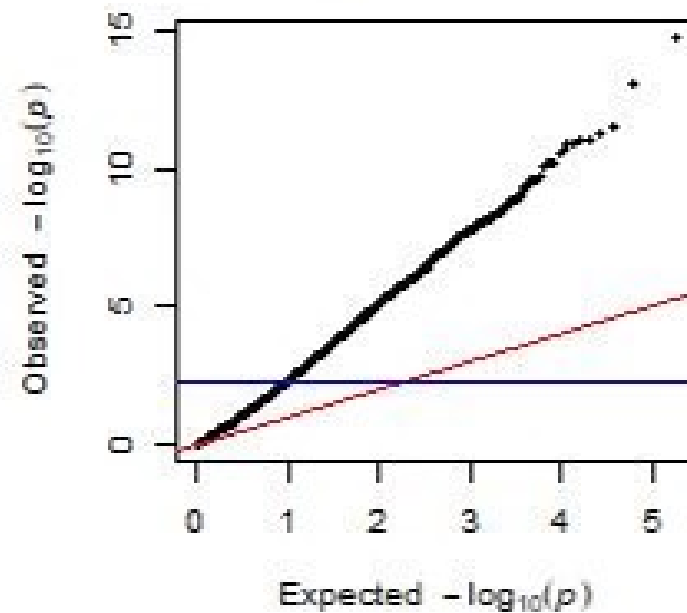


# trait: GRH\_avg

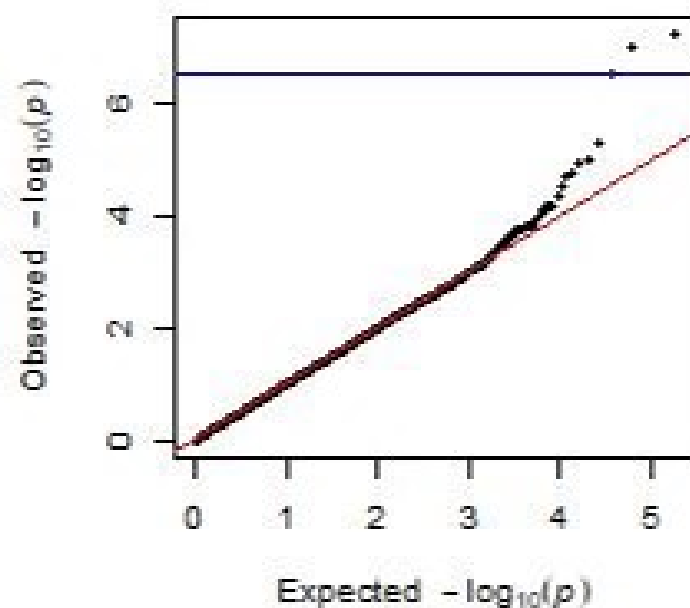
No accounting for kinship or structure



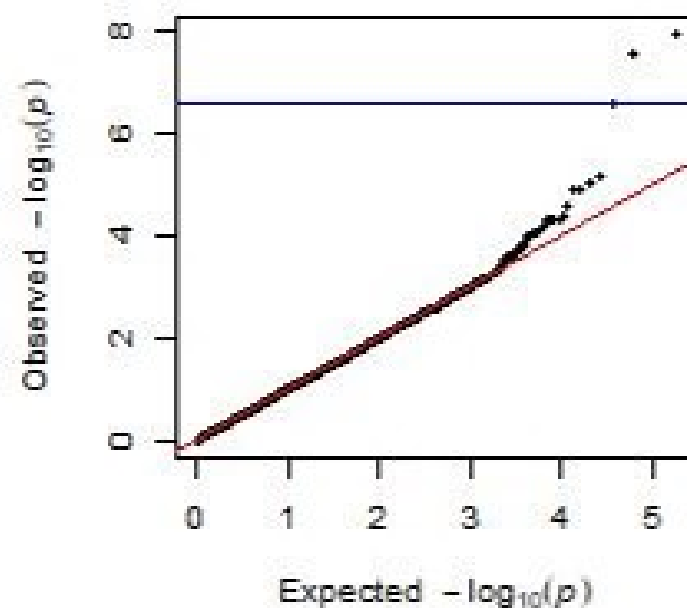
Accounting only for structure



Accounting only for kinship

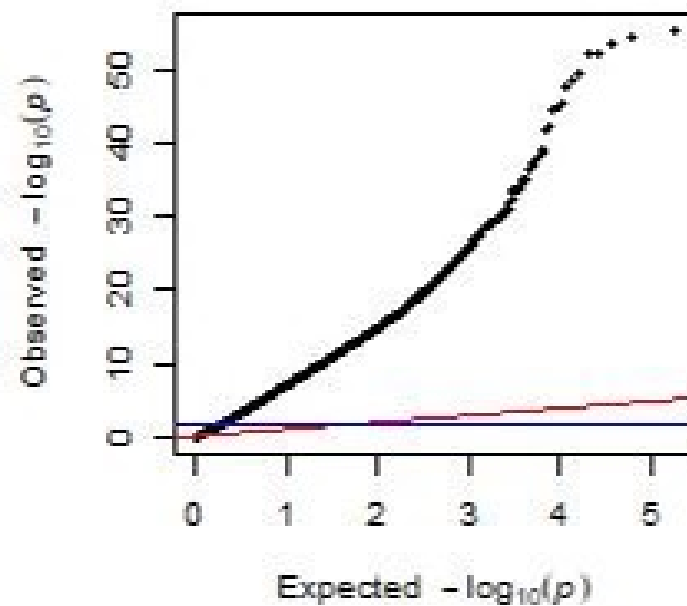


Accounting for kinship and structure

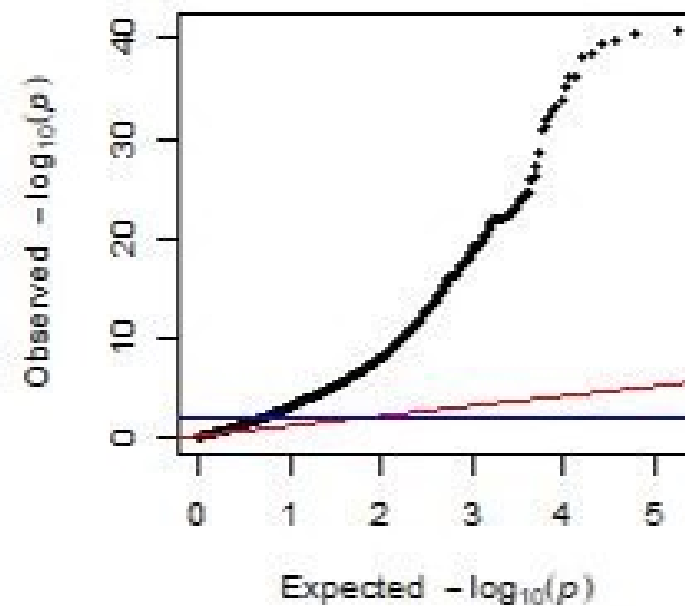


# trait: HEA\_avg

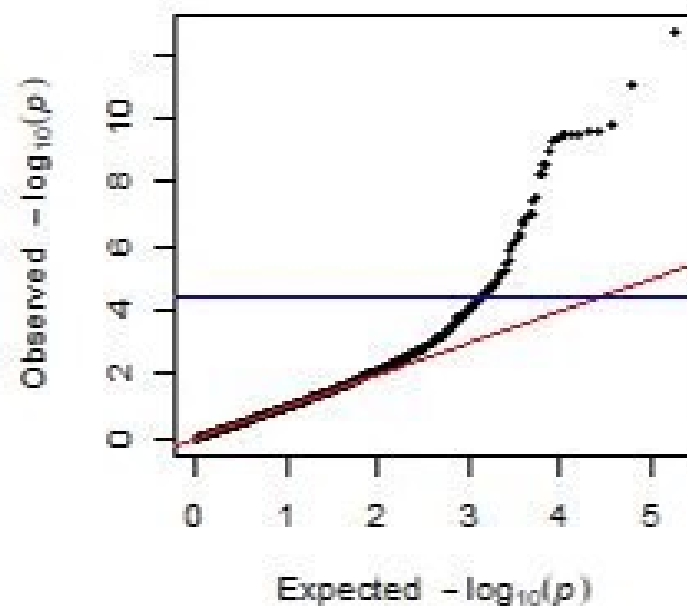
No accounting for kinship or structure



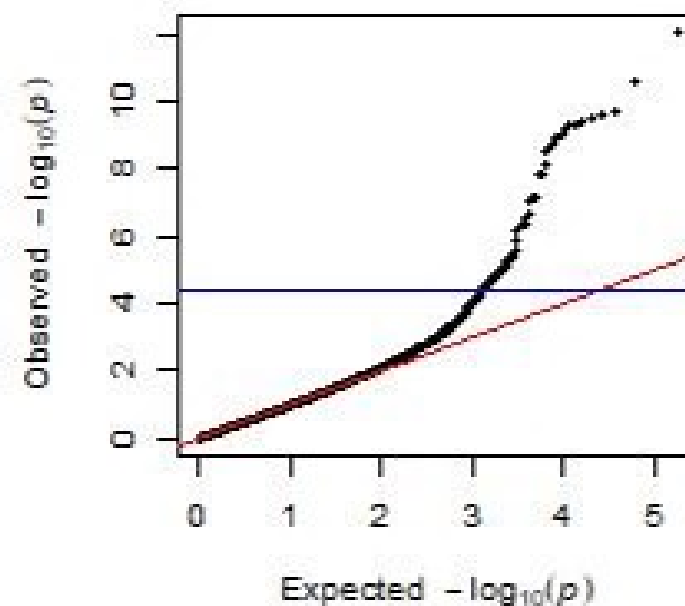
Accounting only for structure



Accounting only for kinship

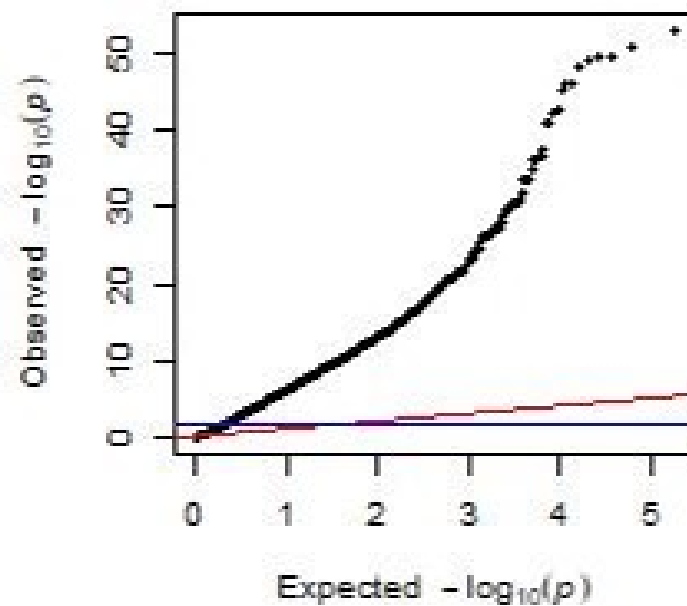


Accounting for kinship and structure

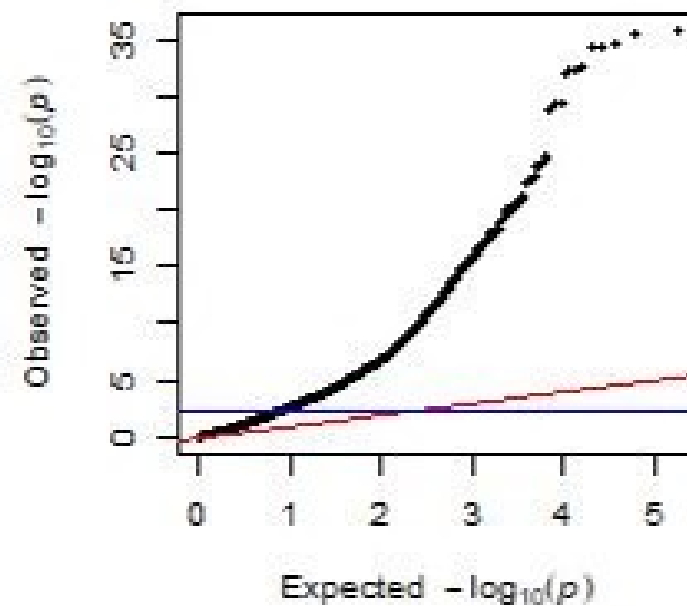


# trait: HEA\_lu16

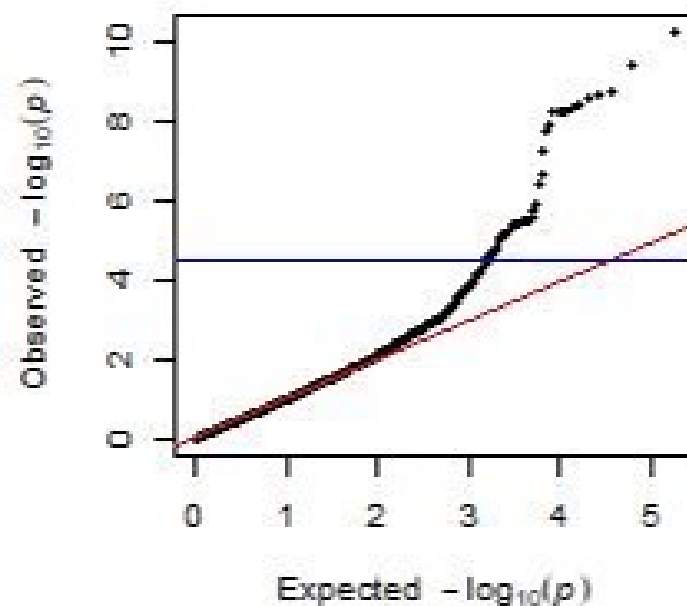
No accounting for kinship or structure



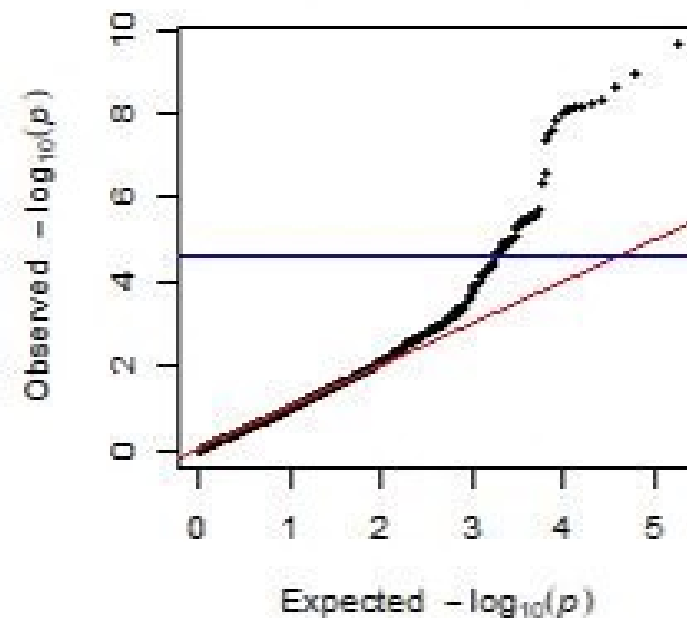
Accounting only for structure



Accounting only for kinship

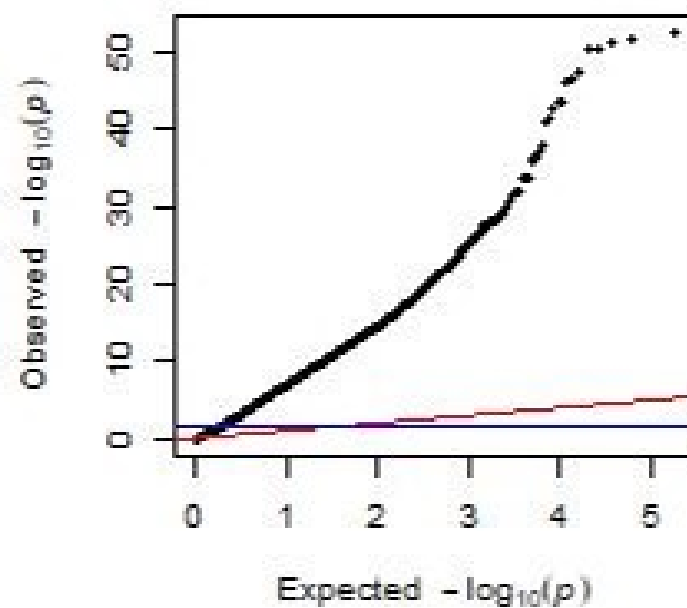


Accounting for kinship and structure

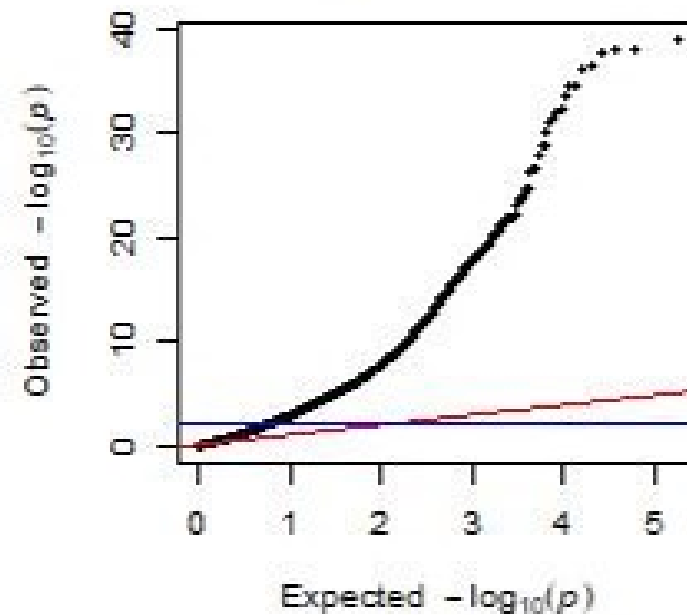


# trait: HEA\_lu17

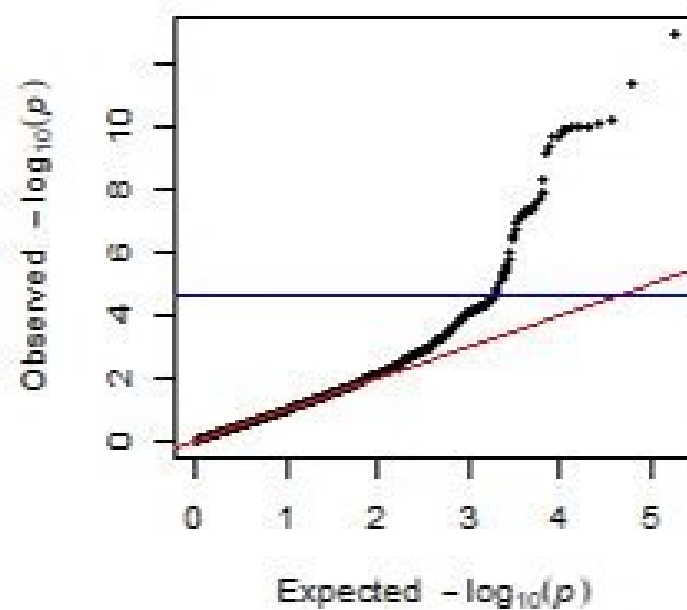
No accounting for kinship or structure



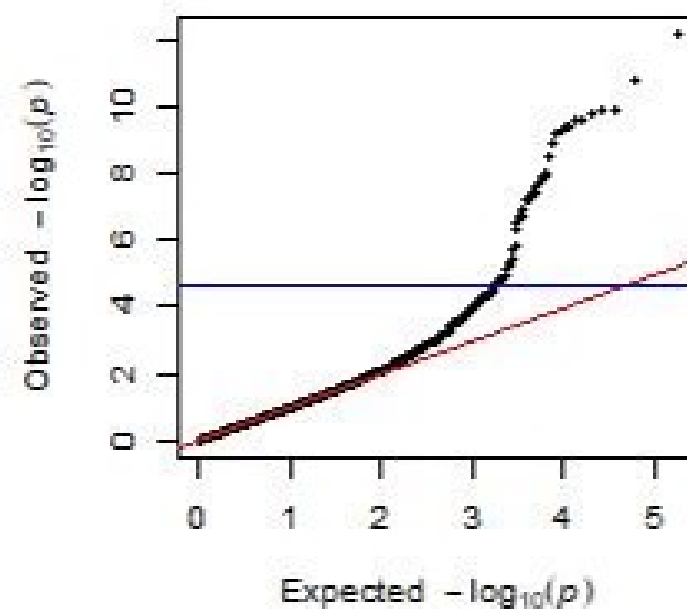
Accounting only for structure



Accounting only for kinship



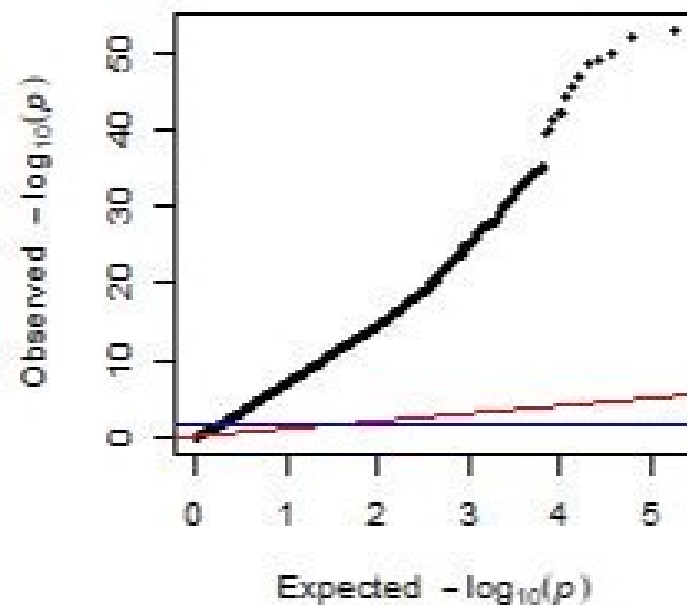
Accounting for kinship and structure



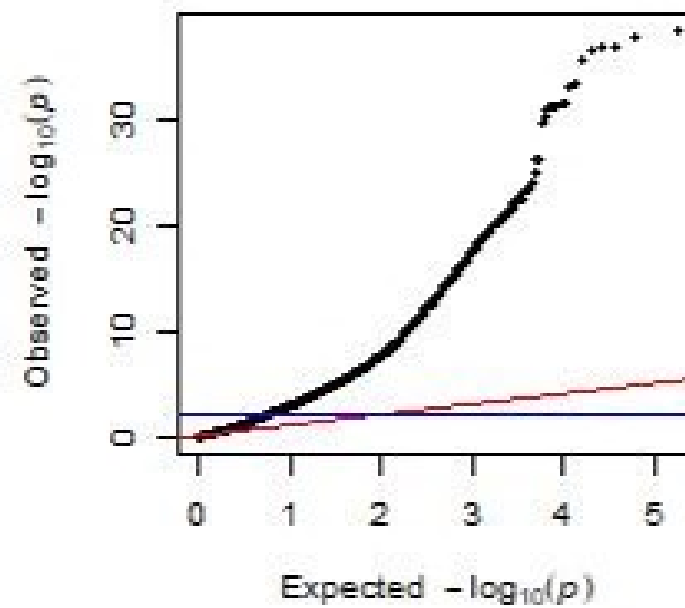


# trait: HEA\_po16

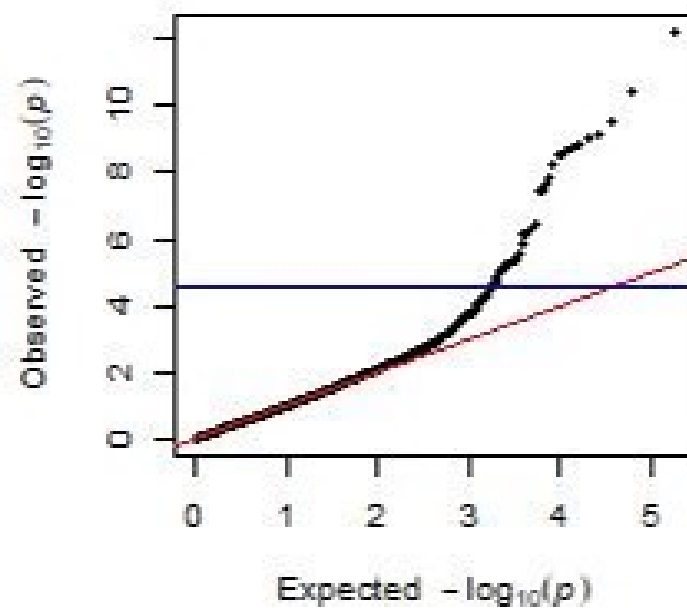
No accounting for kinship or structure



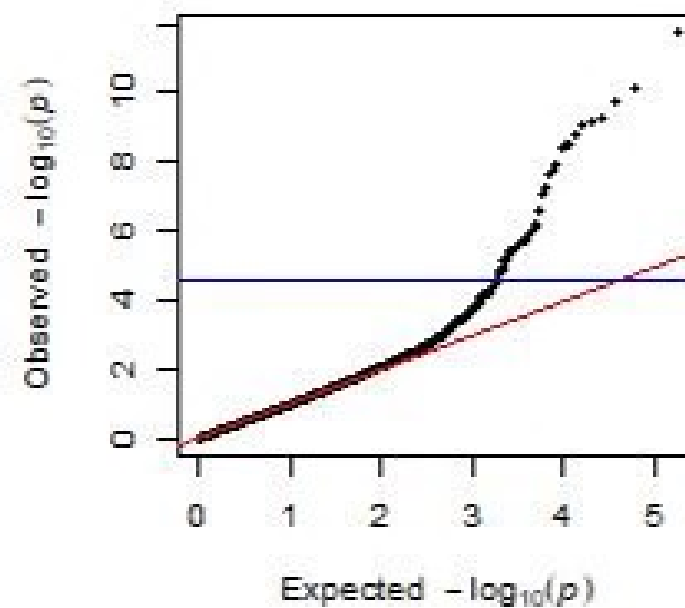
Accounting only for structure



Accounting only for kinship

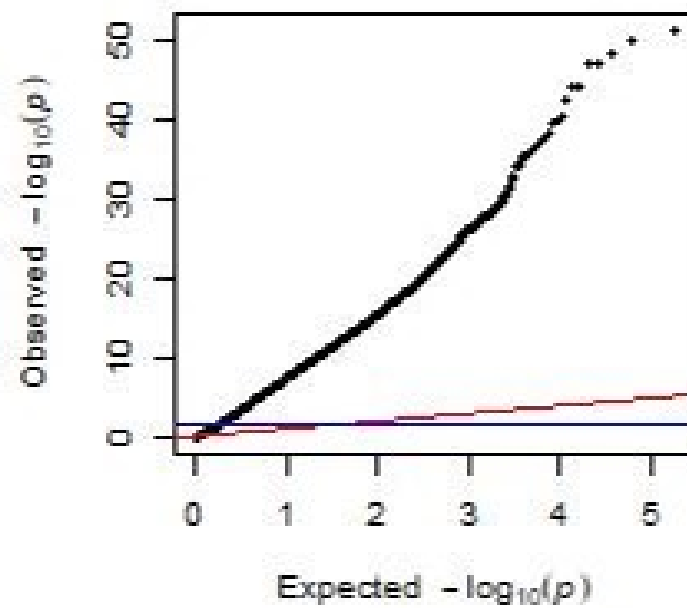


Accounting for kinship and structure

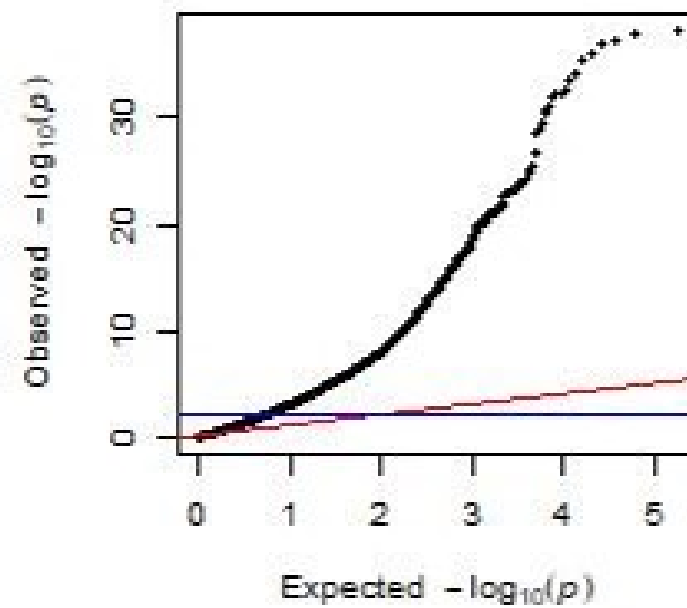


# trait: HEA\_po17

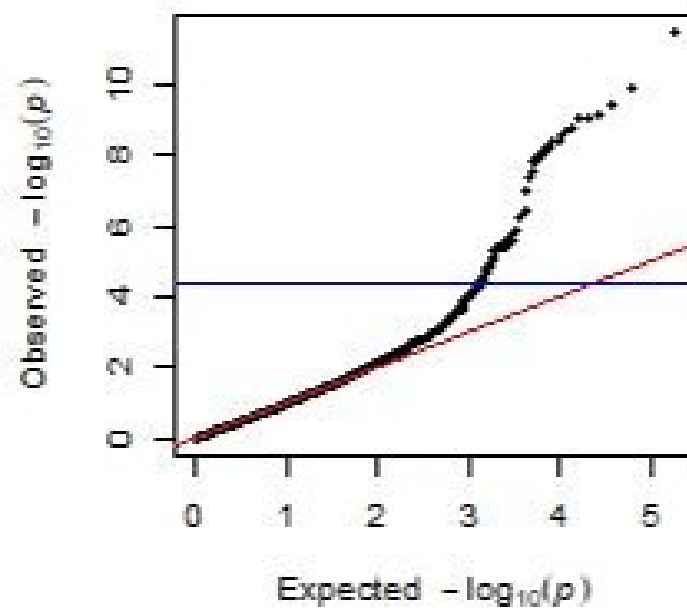
No accounting for kinship or structure



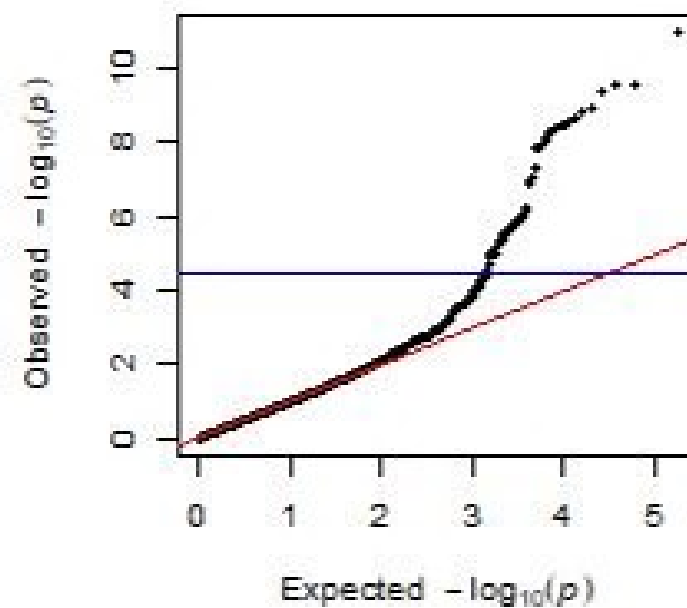
Accounting only for structure



Accounting only for kinship

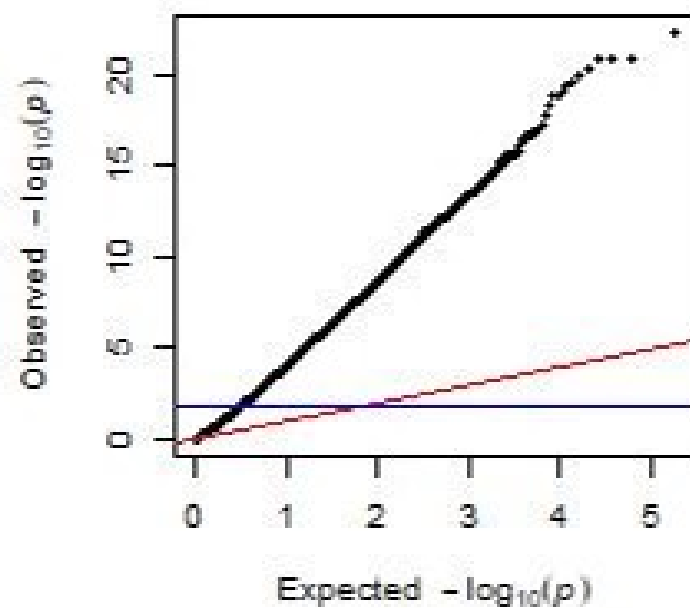


Accounting for kinship and structure

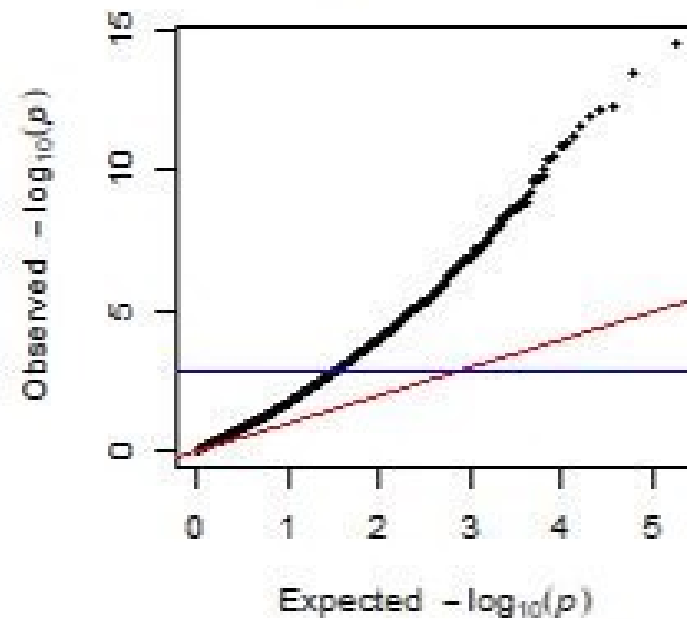


# trait: HFY\_avg

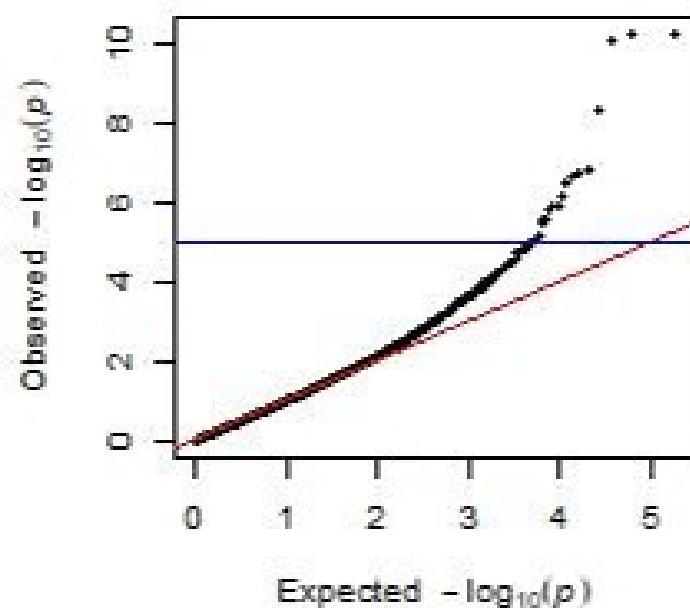
No accounting for kinship or structure



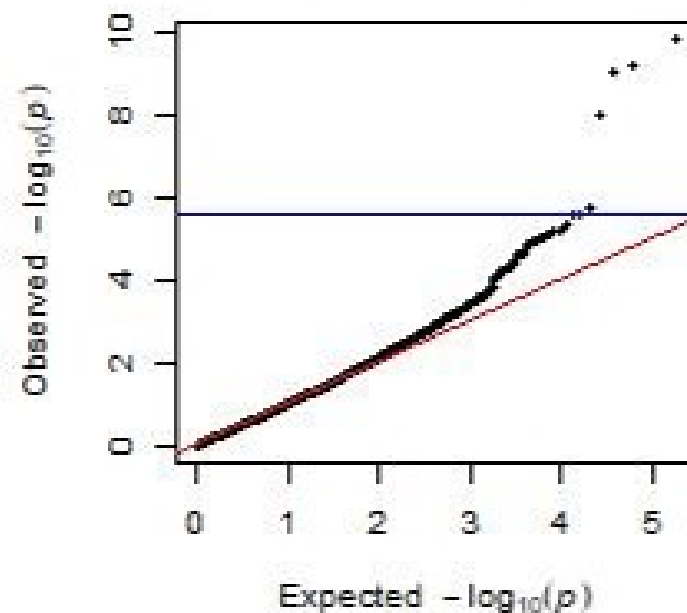
Accounting only for structure



Accounting only for kinship

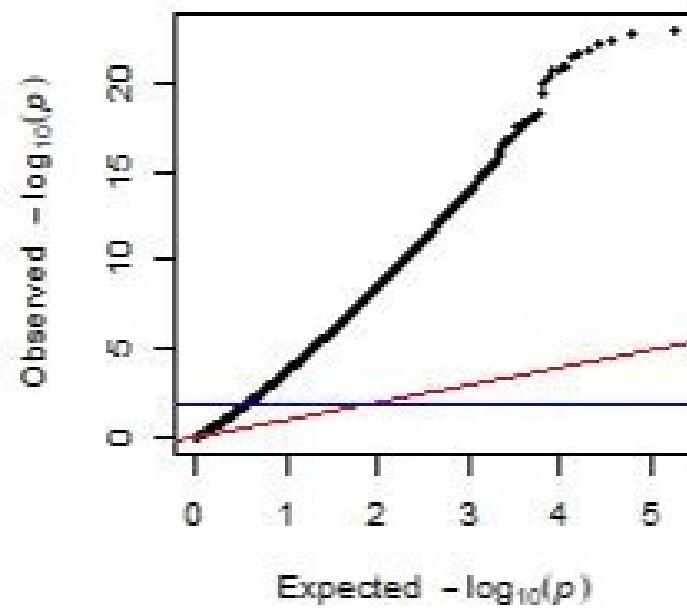


Accounting for kinship and structure

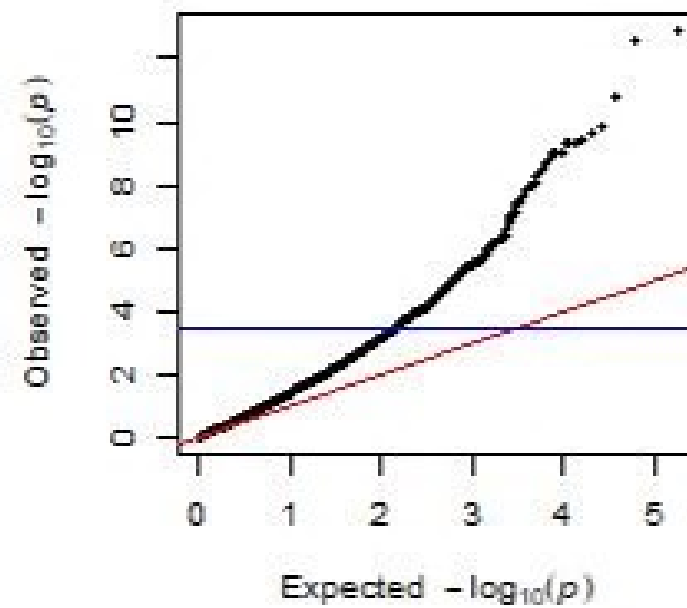


# trait: HFY\_lu15

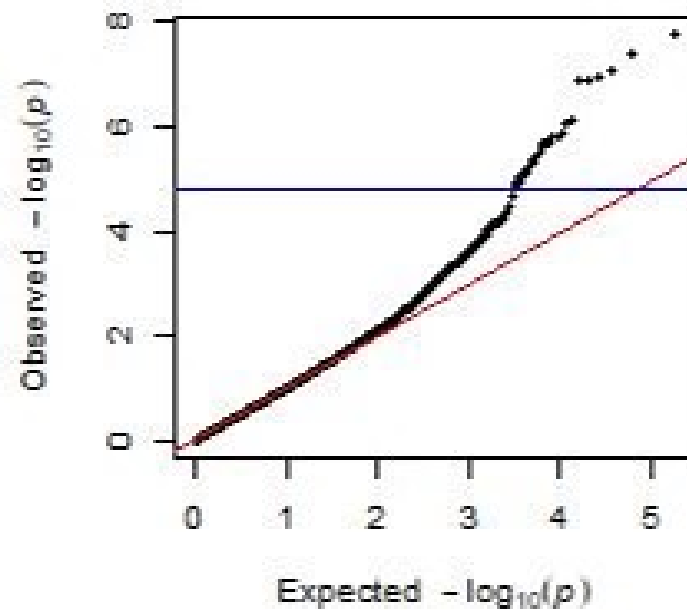
No accounting for kinship or structure



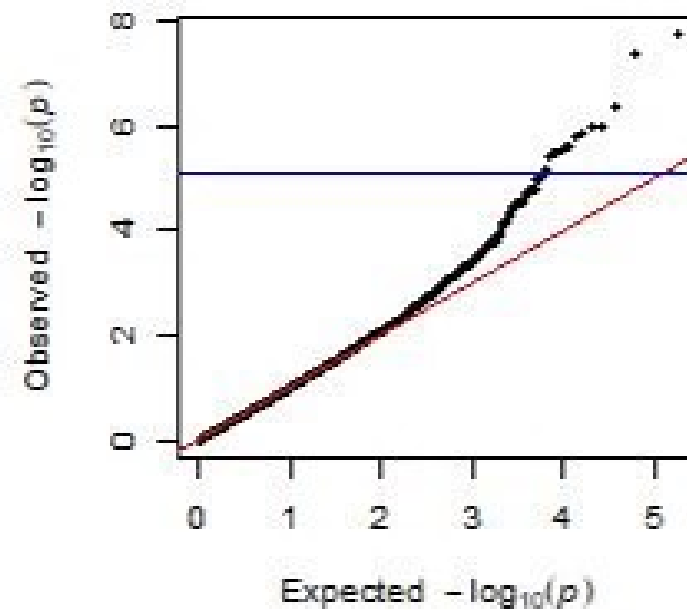
Accounting only for structure



Accounting only for kinship

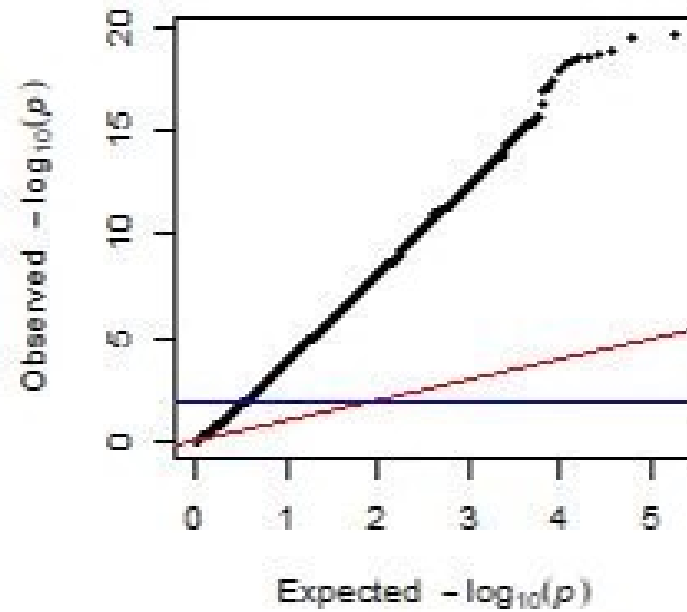


Accounting for kinship and structure

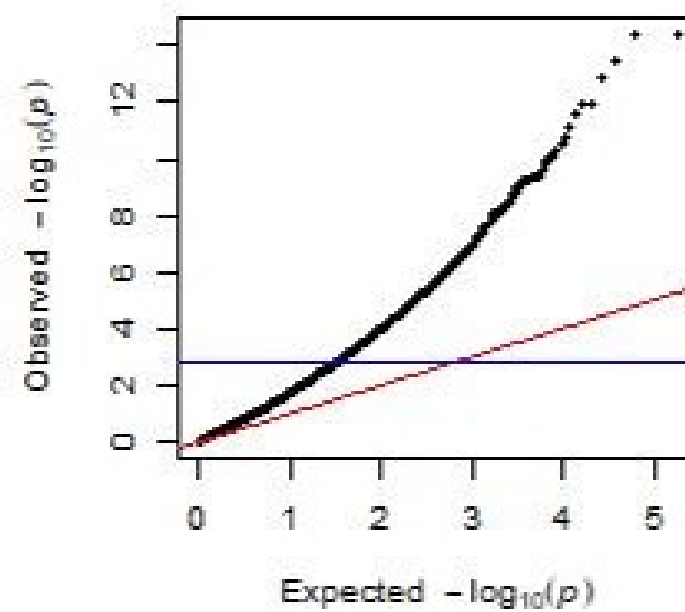


# trait: HFY\_po15

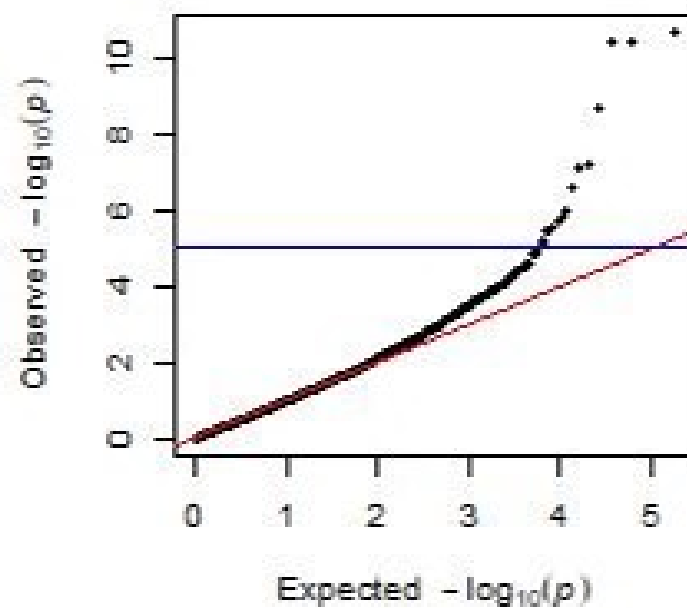
No accounting for kinship or structure



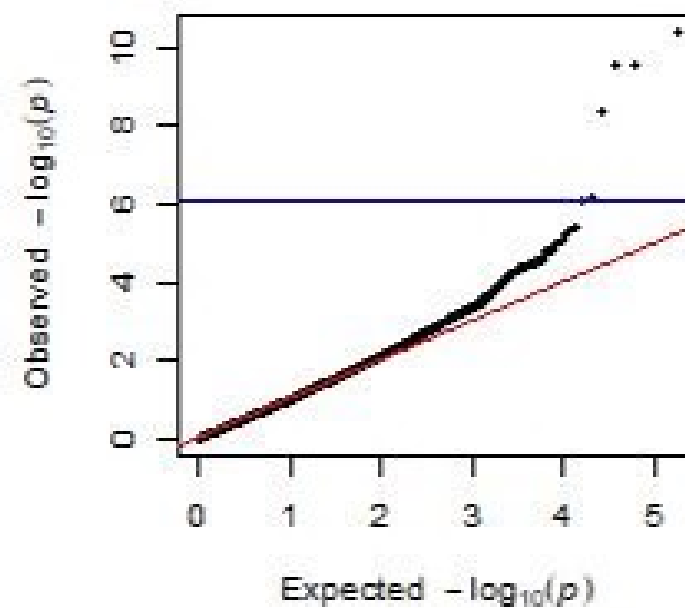
Accounting only for structure



Accounting only for kinship

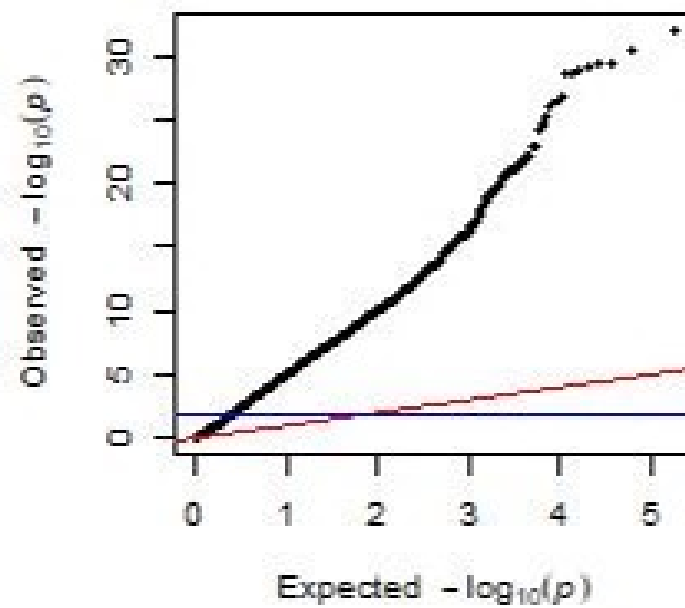


Accounting for kinship and structure

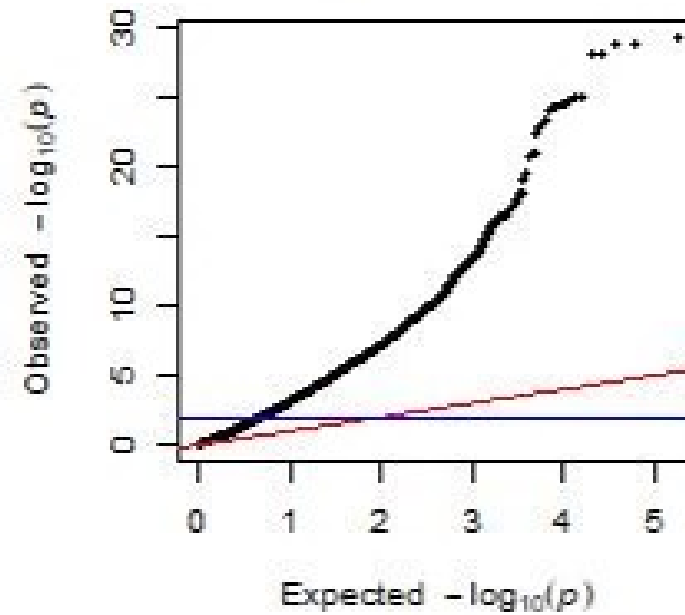


# trait: HST\_lu17

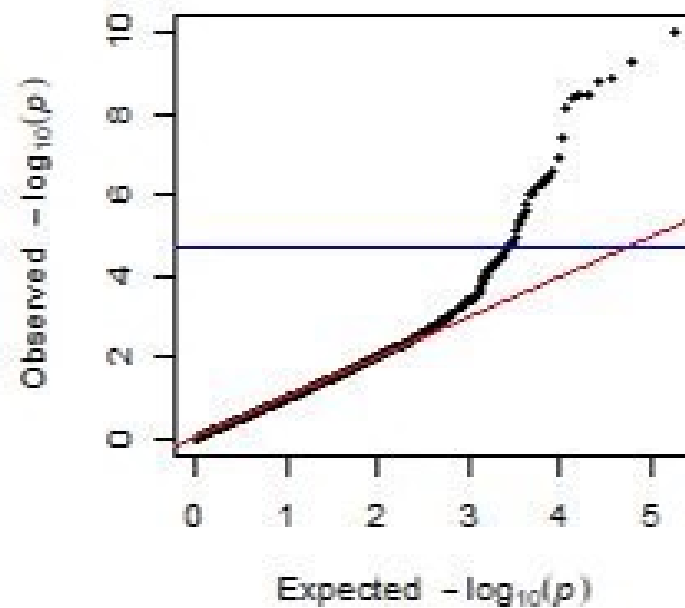
No accounting for kinship or structure



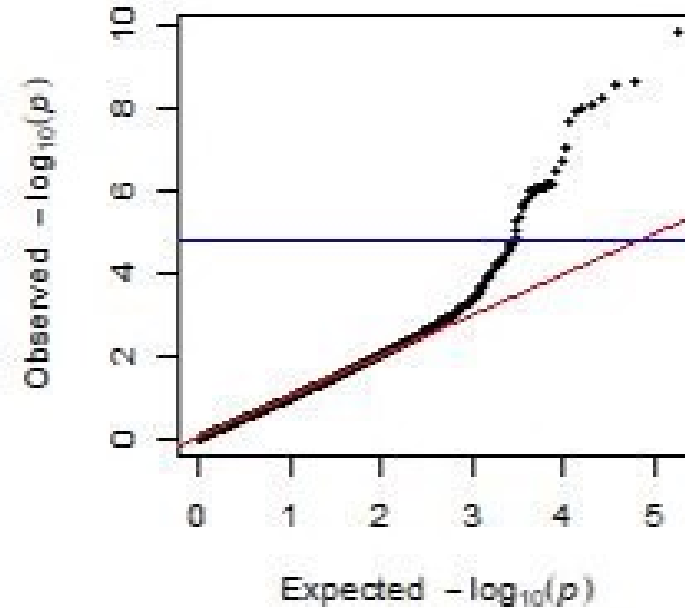
Accounting only for structure



Accounting only for kinship

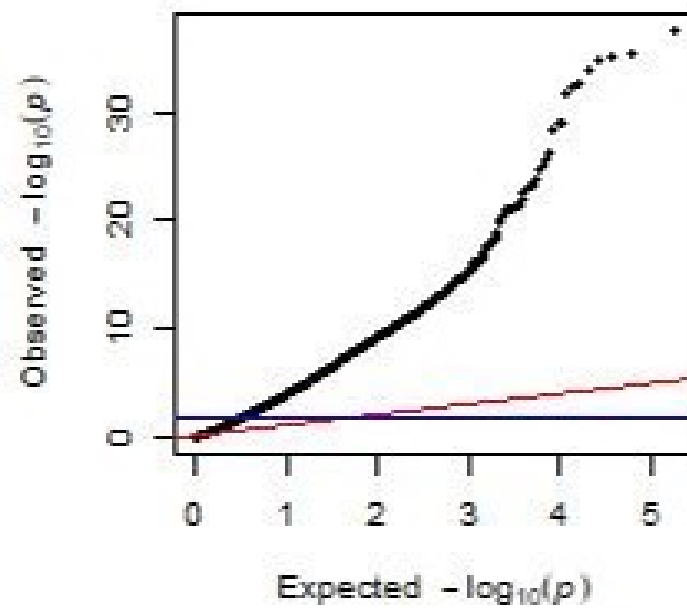


Accounting for kinship and structure

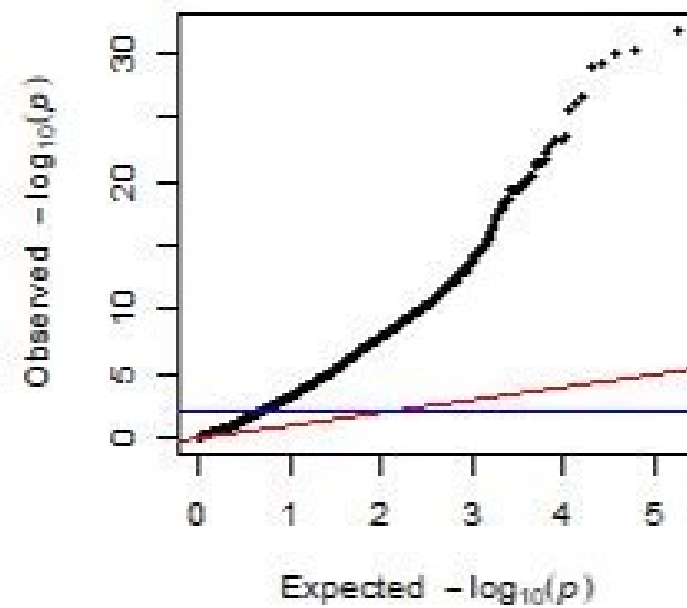


# trait: LMW\_avg

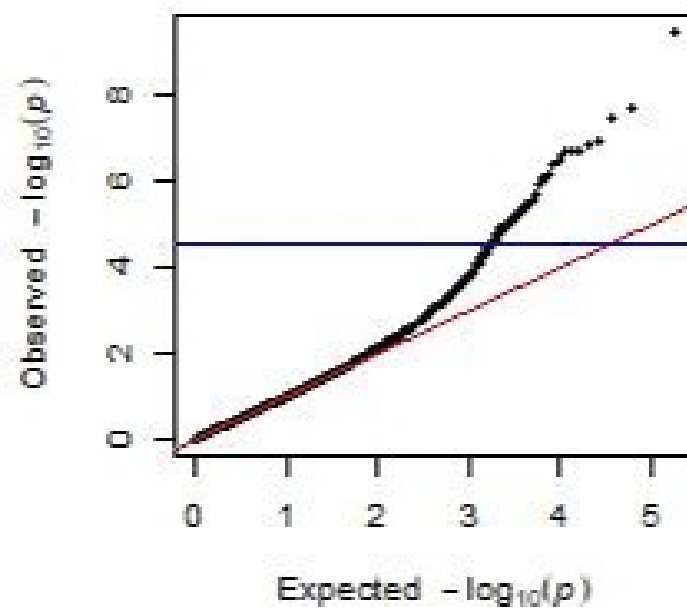
No accounting for kinship or structure



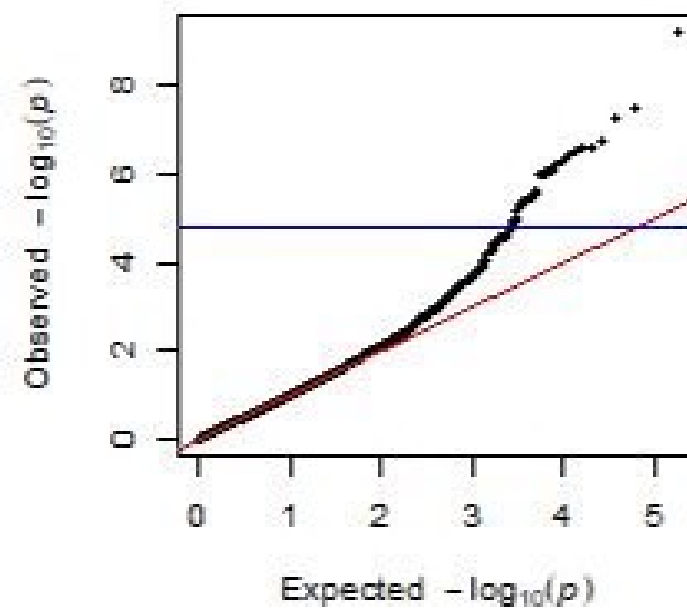
Accounting only for structure



Accounting only for kinship

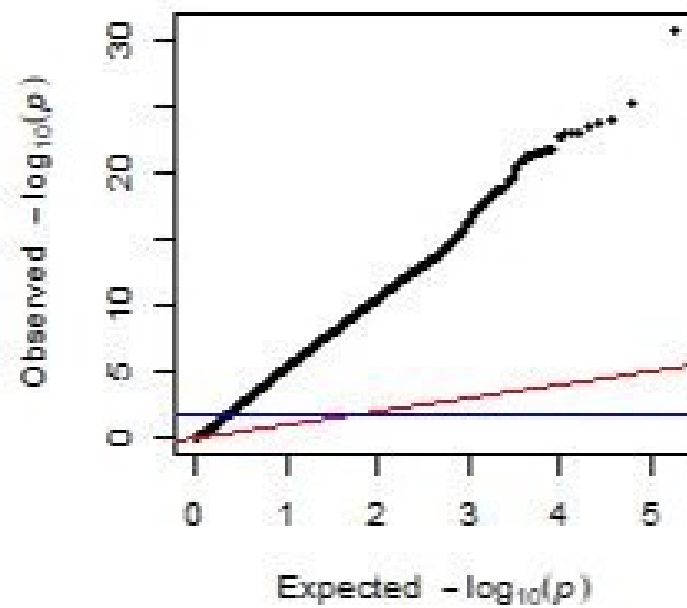


Accounting for kinship and structure

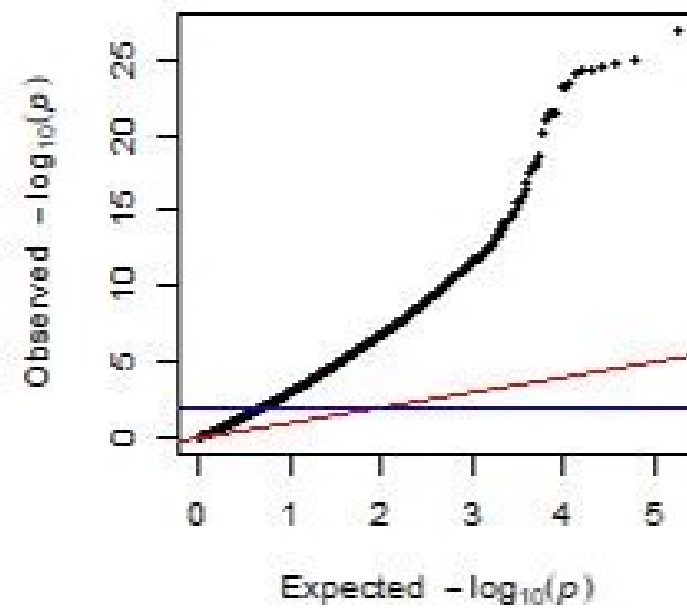


# trait: LMW\_lu17

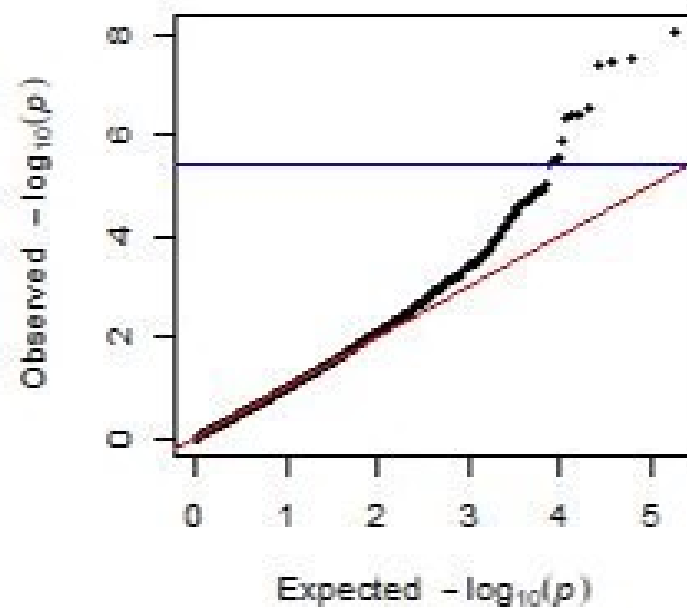
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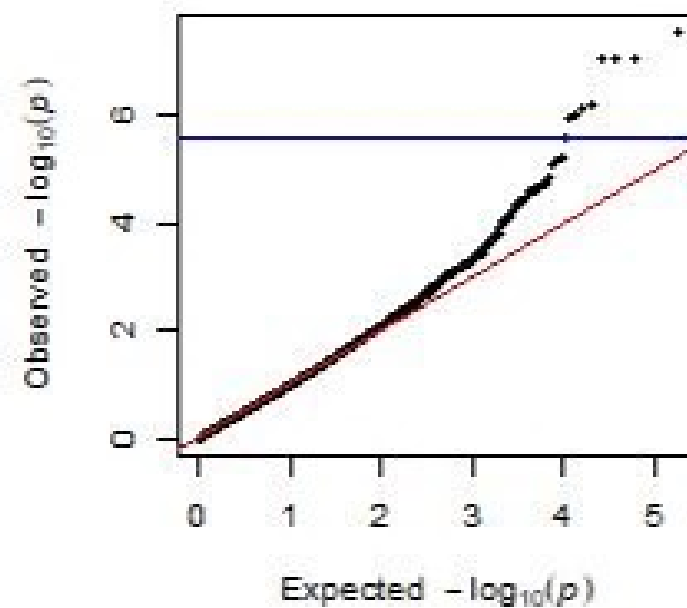
Accounting only for structure



Accounting only for kinship



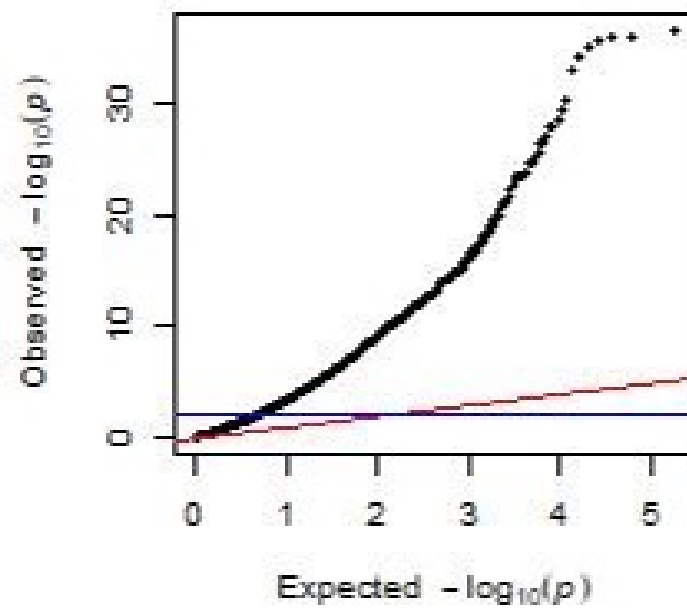
Accounting for kinship and structure



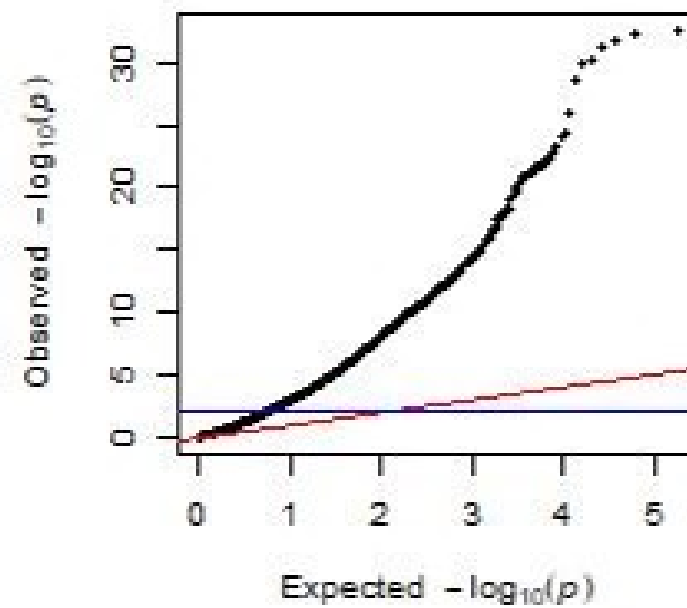


# trait: LMW\_me16

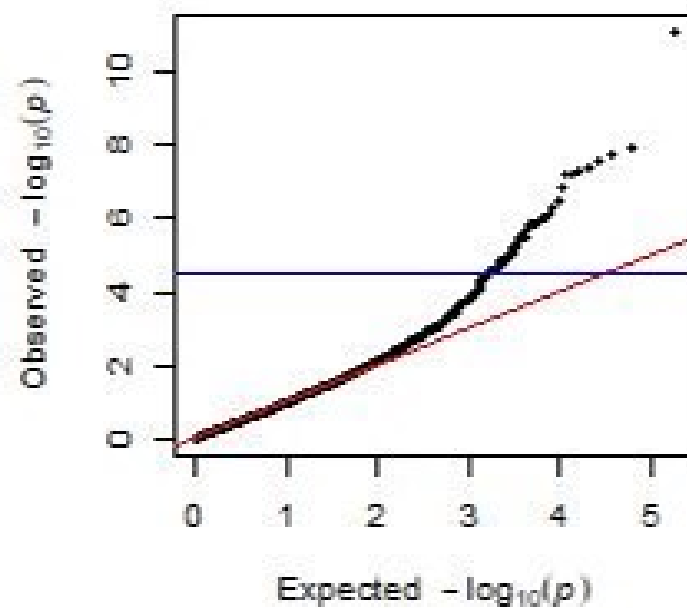
No accounting for kinship or structure



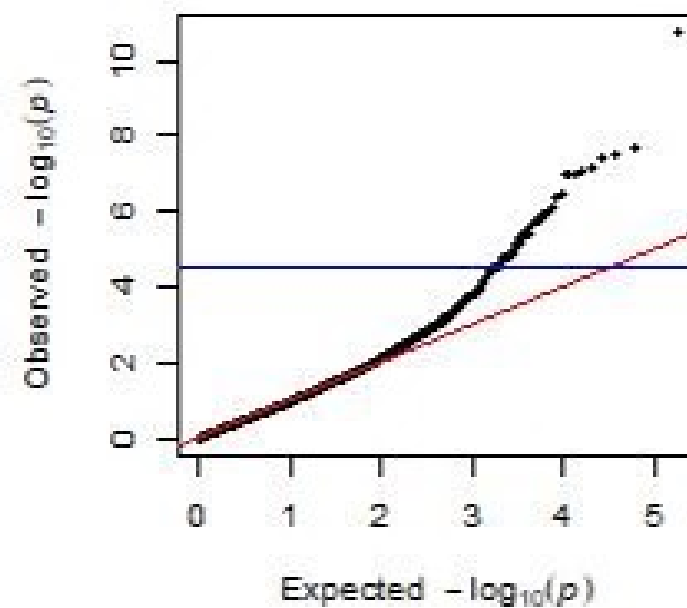
Accounting only for structure



Accounting only for kinship

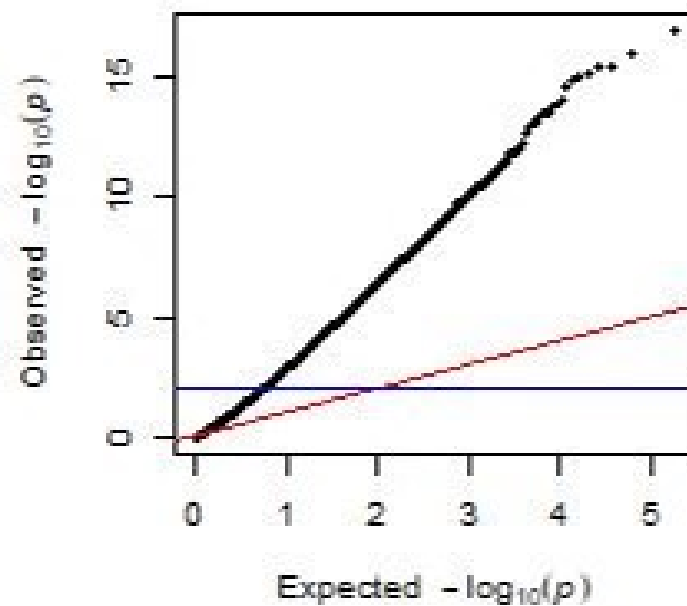


Accounting for kinship and structure

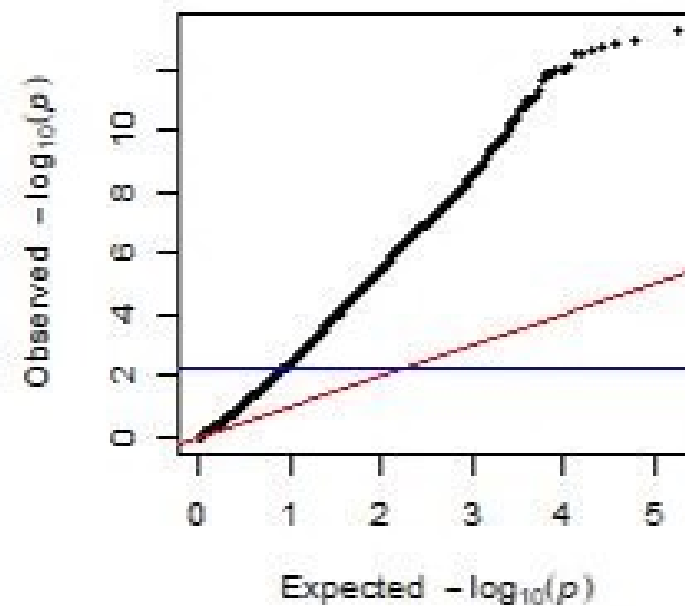


# trait: LMW\_po16

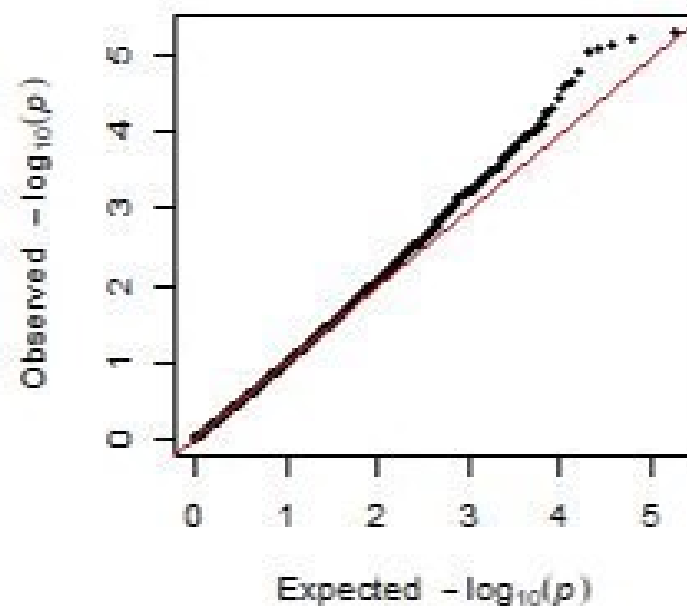
No accounting for kinship or structure



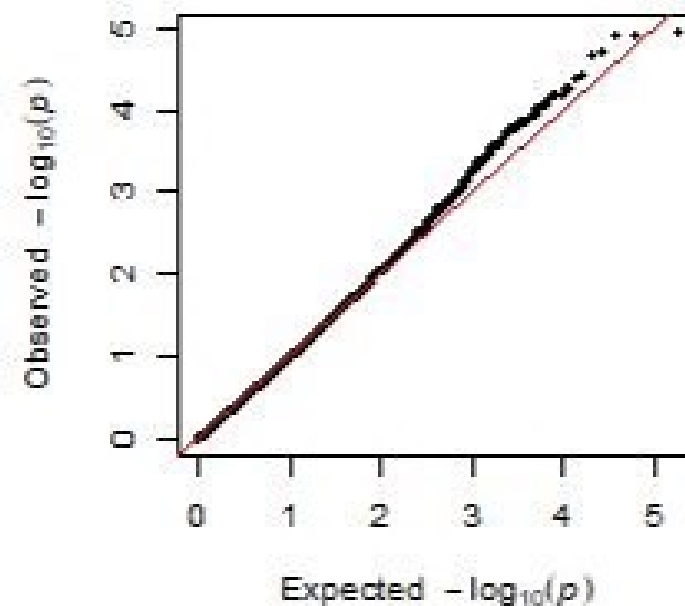
Accounting only for structure



Accounting only for kinship

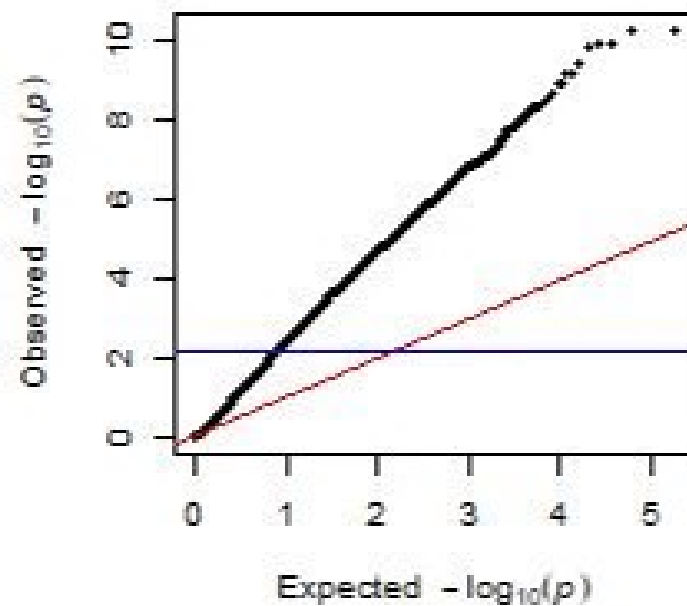


Accounting for kinship and structure

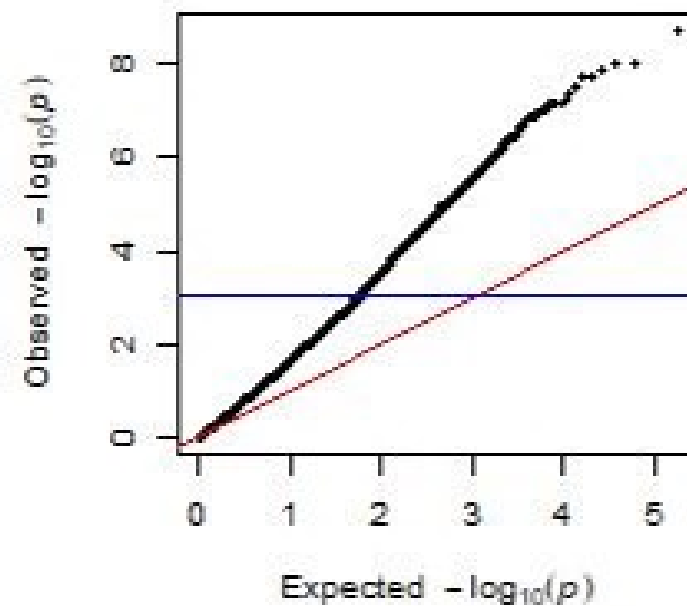


# trait: LSL\_lu17

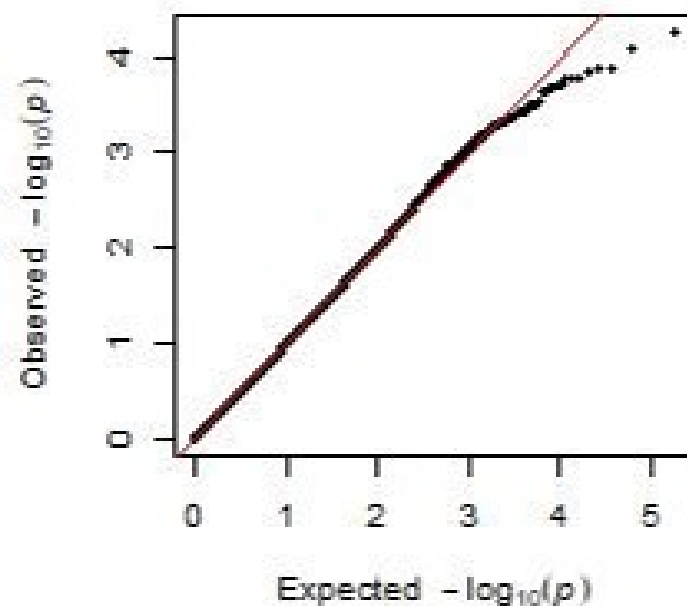
No accounting for kinship or structure



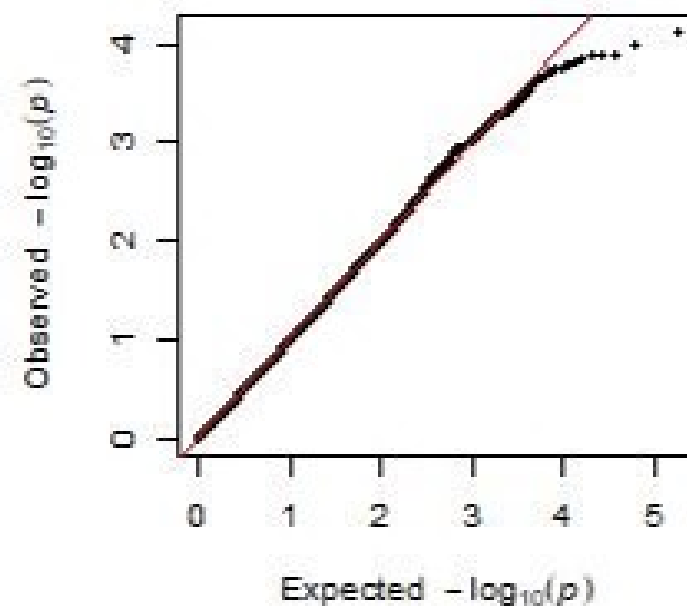
Accounting only for structure



Accounting only for kinship

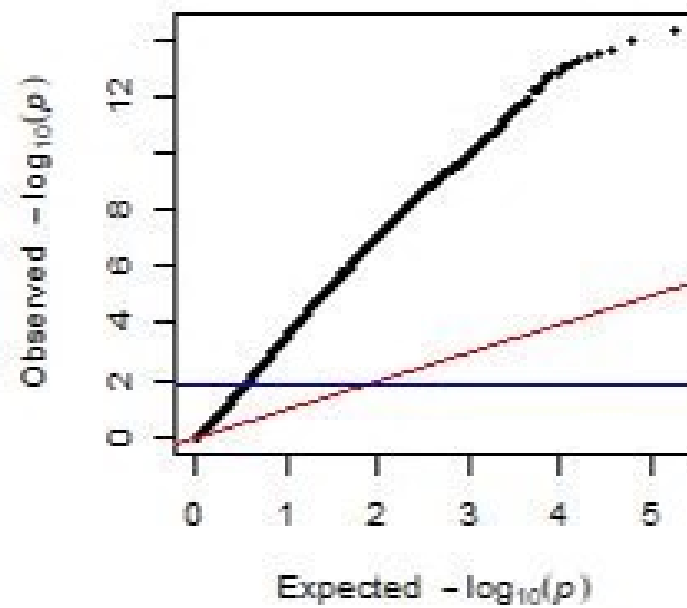


Accounting for kinship and structure

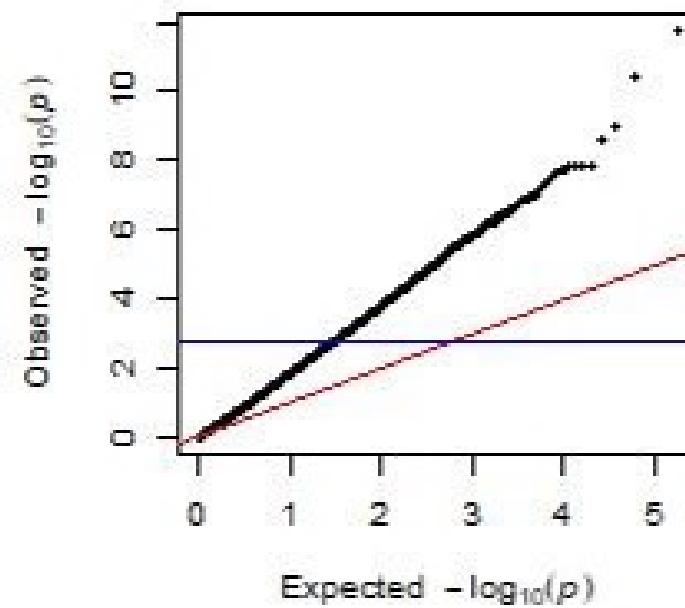


# trait: LSP\_lu17

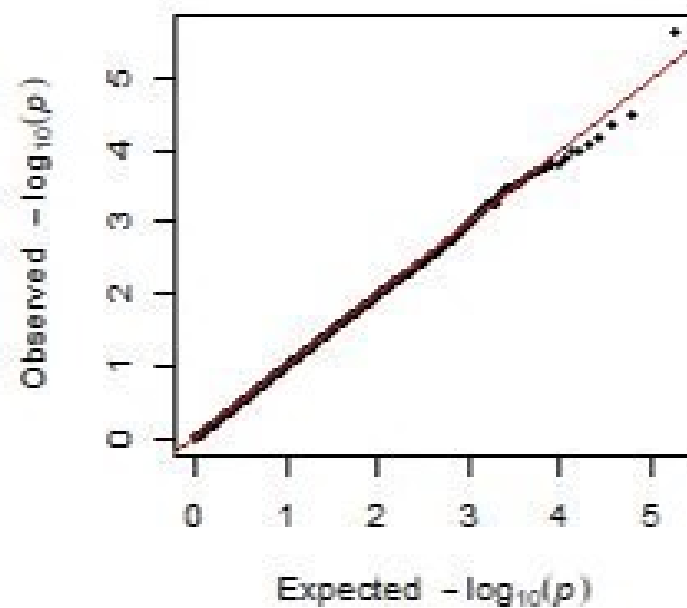
No accounting for kinship or structure



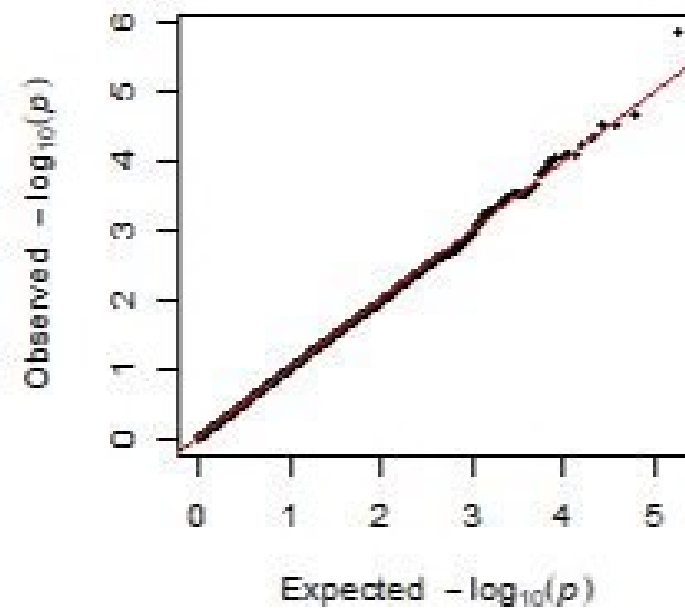
Accounting only for structure



Accounting only for kinship

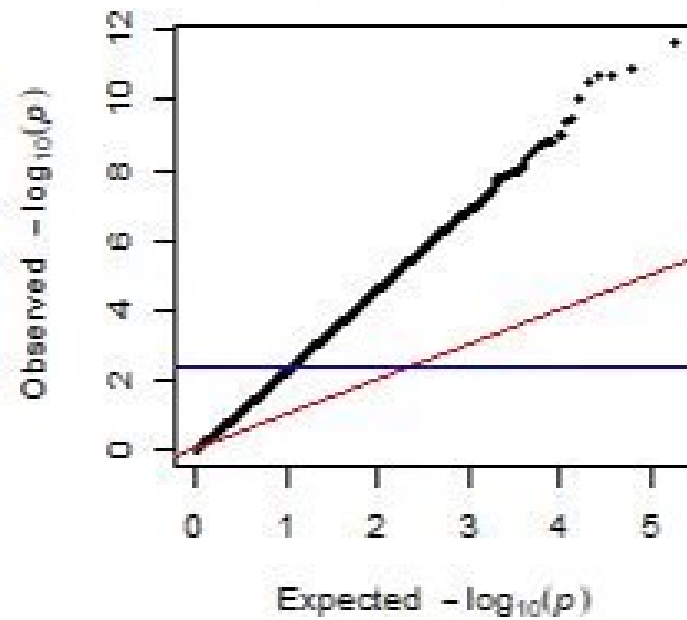


Accounting for kinship and structure

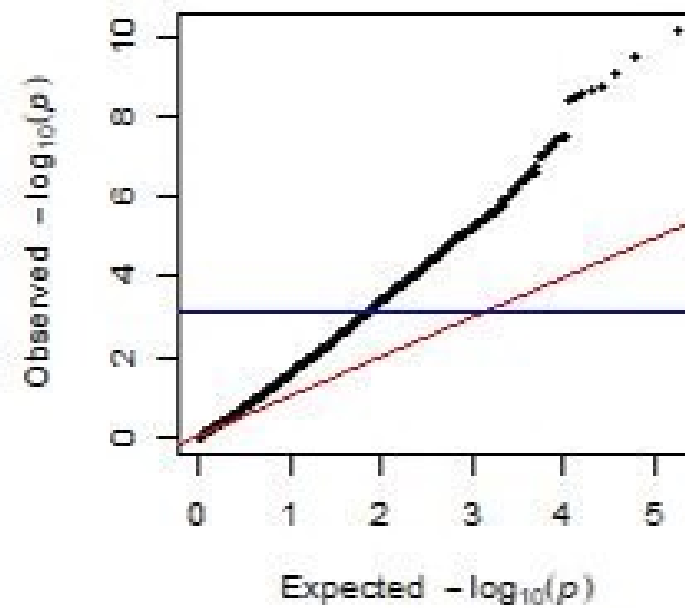


# trait: NDF\_04\_me17

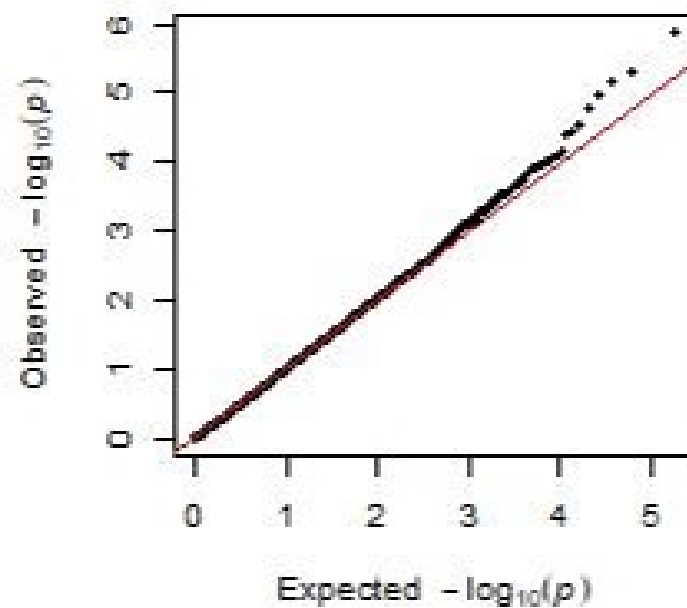
No accounting for kinship or structure



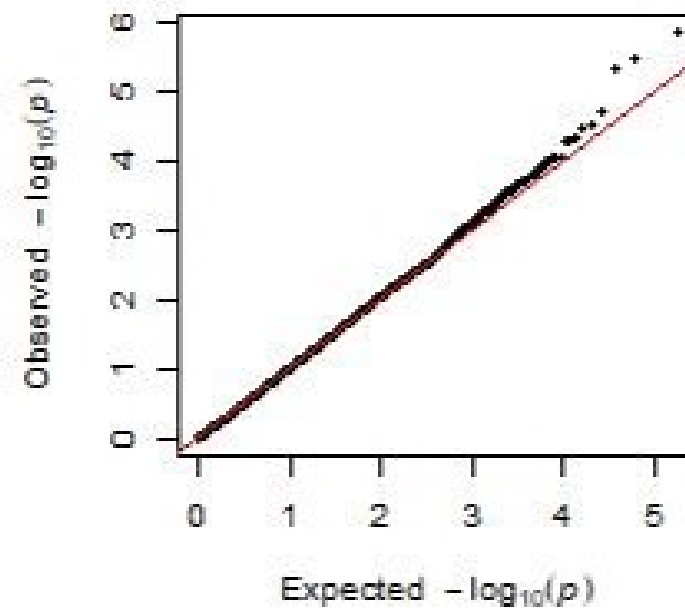
Accounting only for structure



Accounting only for kinship

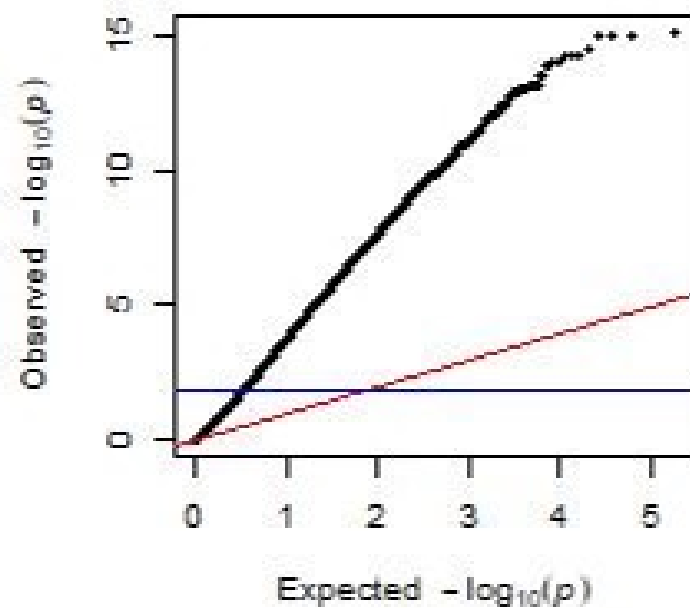


Accounting for kinship and structure

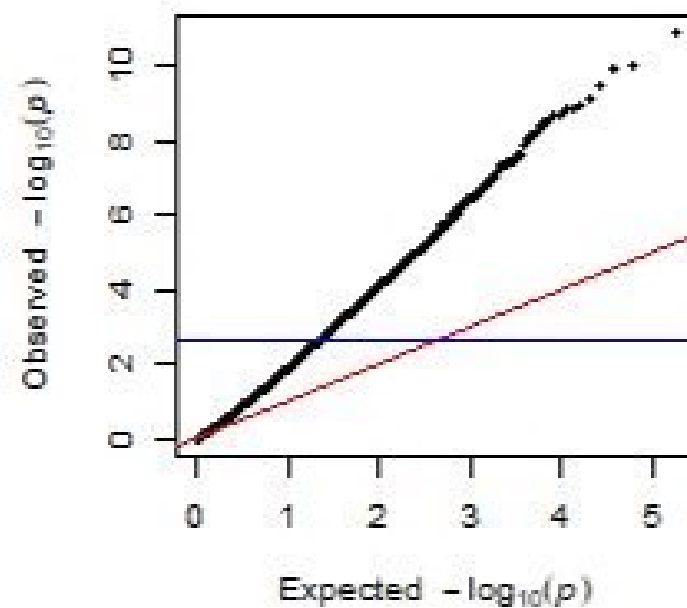


# trait: NDF\_10\_lu17

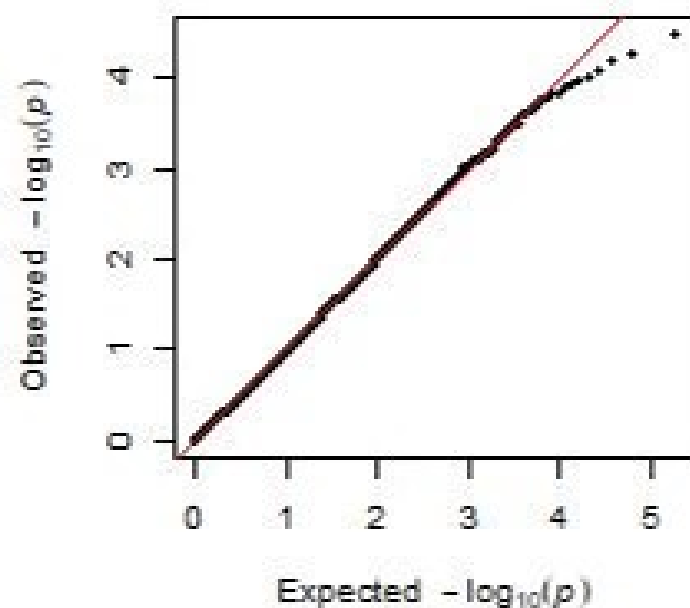
No accounting for kinship or structure



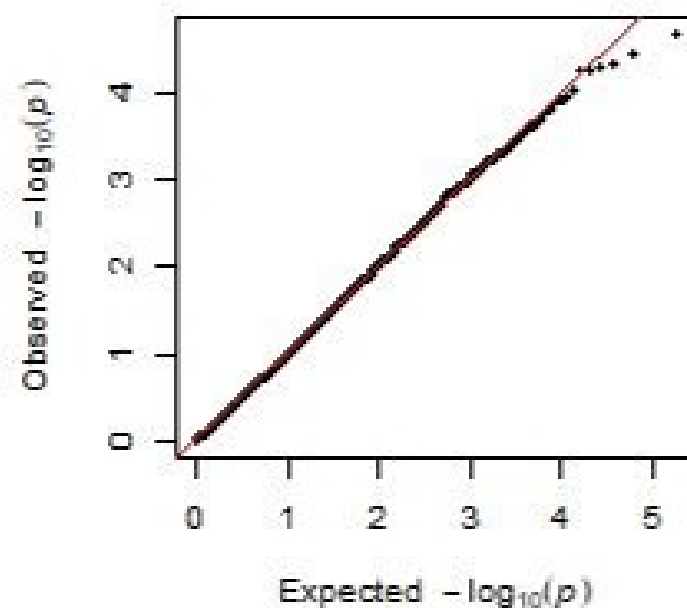
Accounting only for structure



Accounting only for kinship

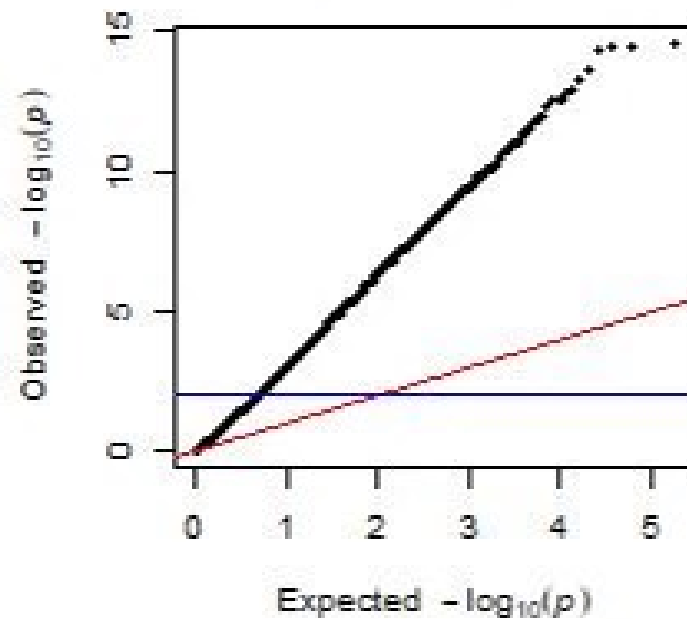


Accounting for kinship and structure

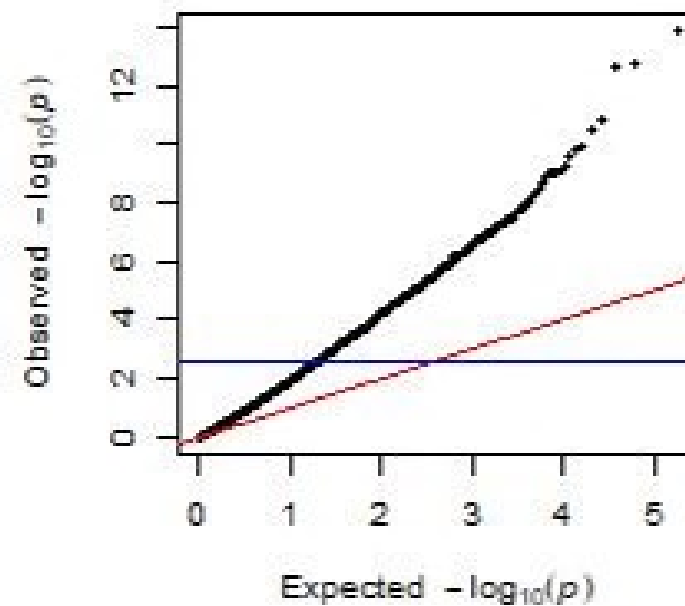


# trait: NDF\_avg

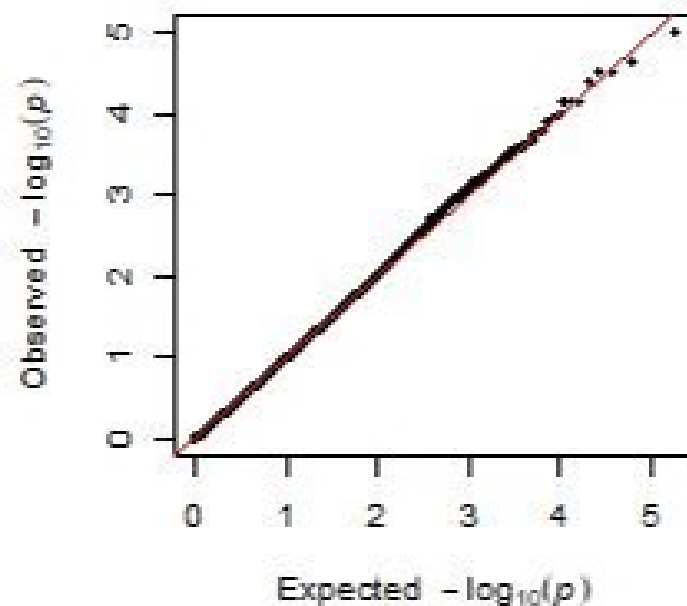
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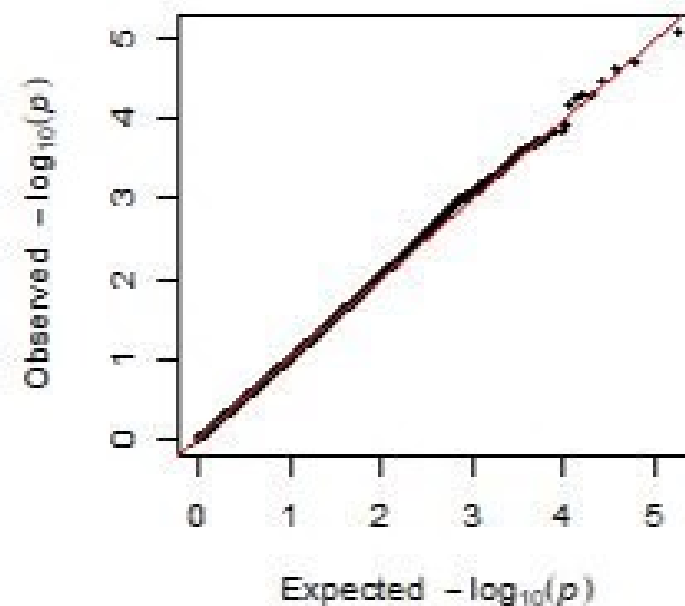
Accounting only for structure



Accounting only for kinship

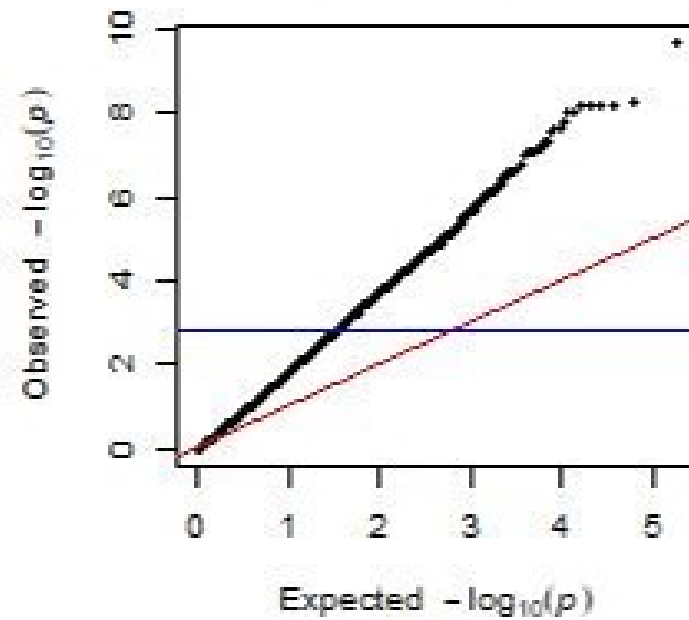


Accounting for kinship and structure

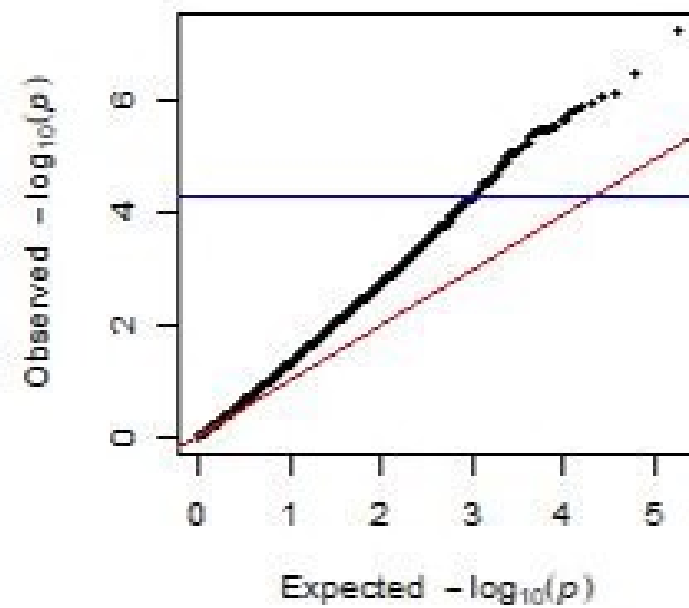


# trait: NLI\_lu16

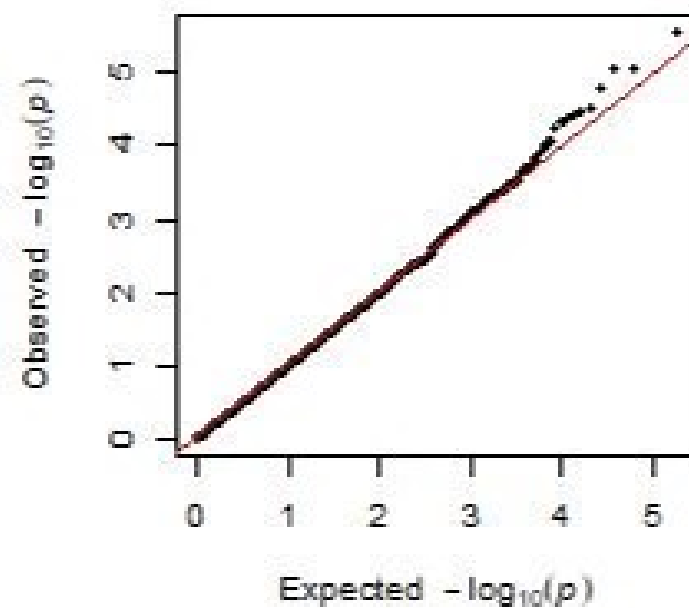
No accounting for kinship or structure



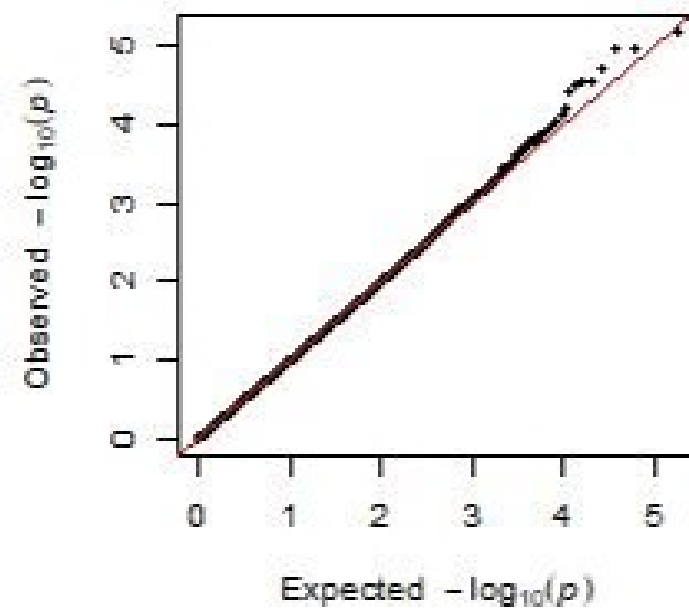
Accounting only for structure



Accounting only for kinship



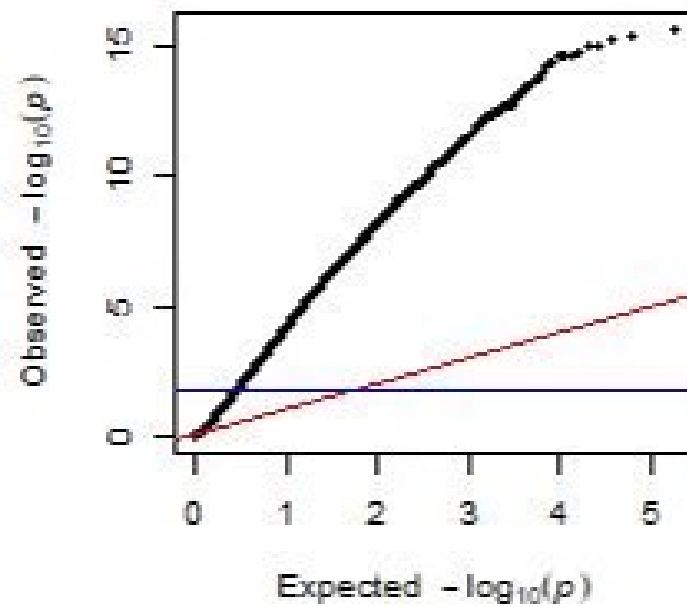
Accounting for kinship and structure



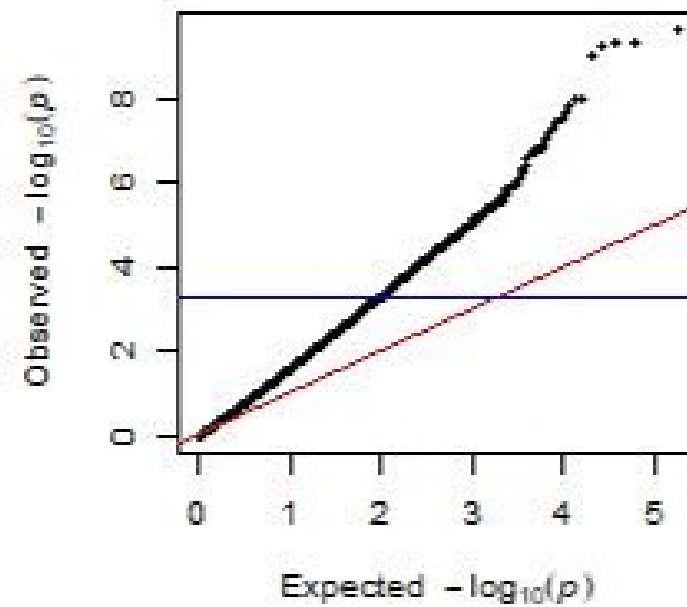


# trait: NSL\_lu17

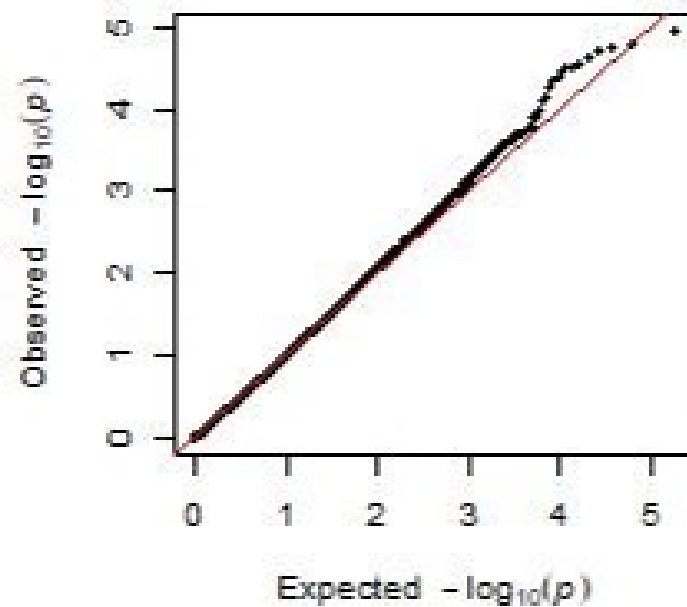
No accounting for kinship or structure



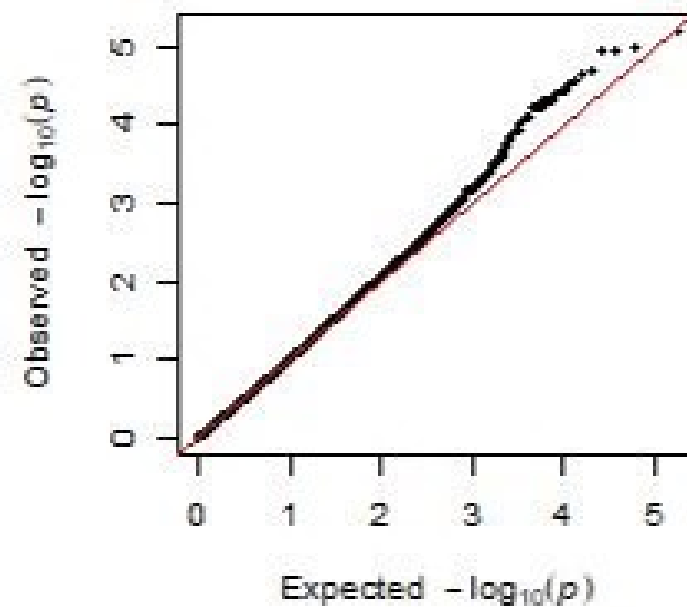
Accounting only for structure



Accounting only for kinship

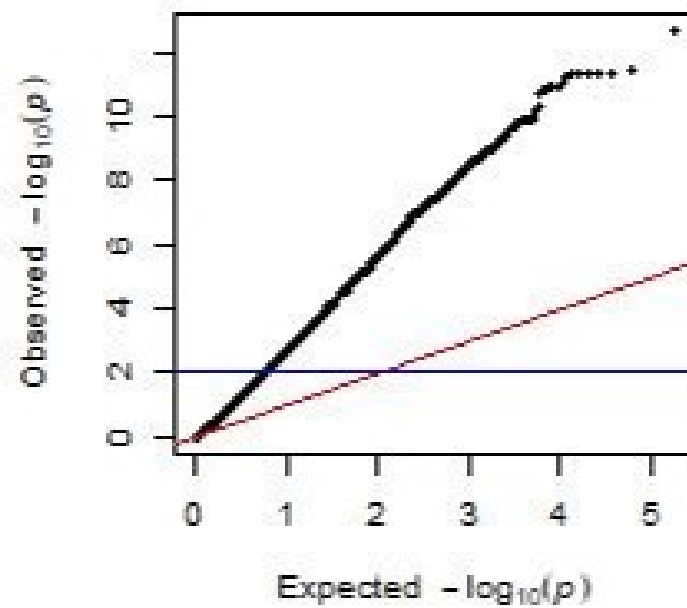


Accounting for kinship and structure

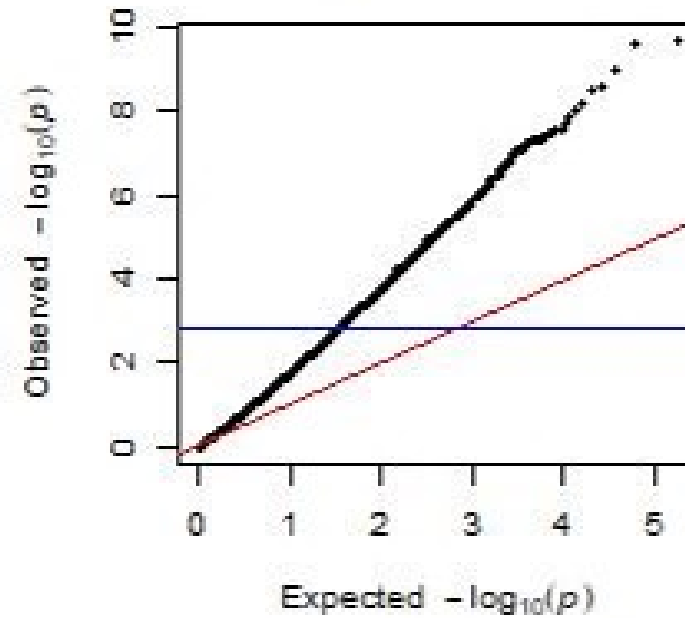


# trait: OMD\_04\_me17

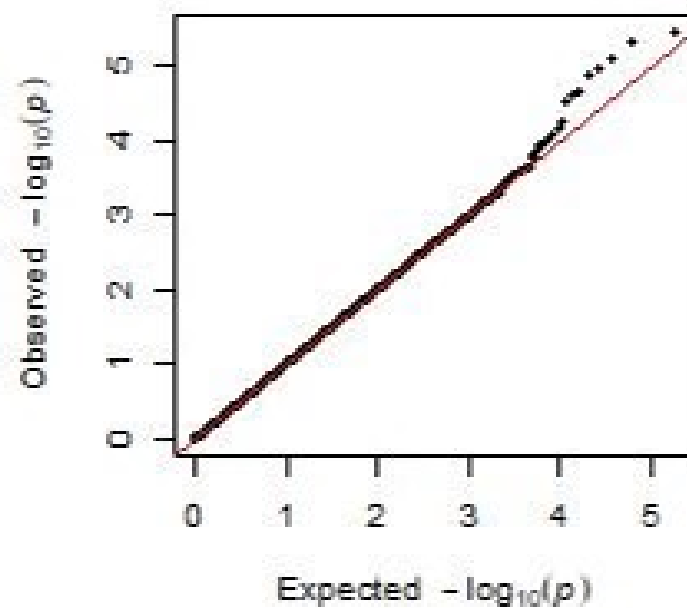
No accounting for kinship or structure



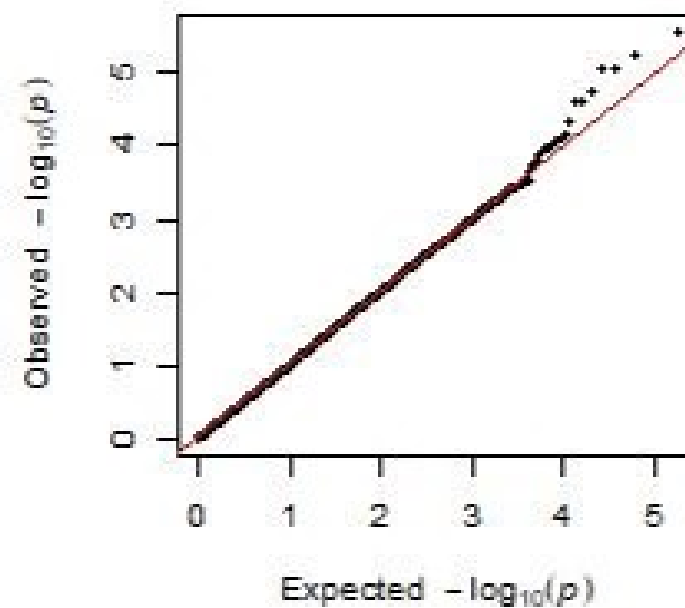
Accounting only for structure



Accounting only for kinship

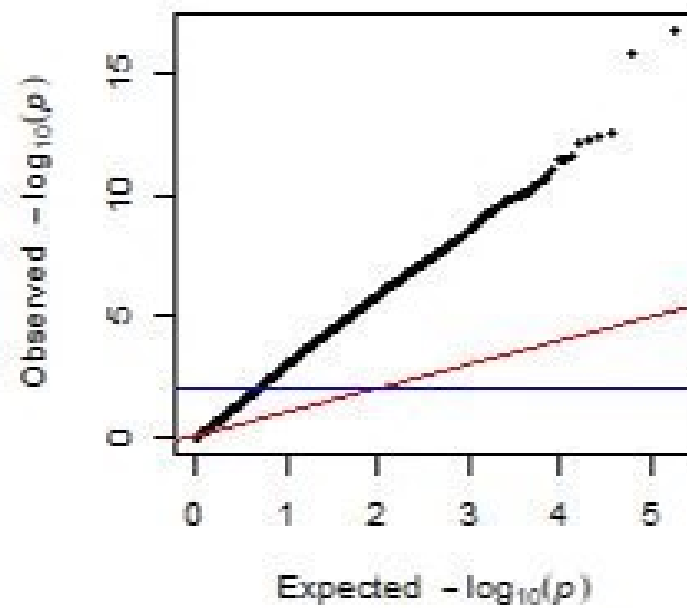


Accounting for kinship and structure

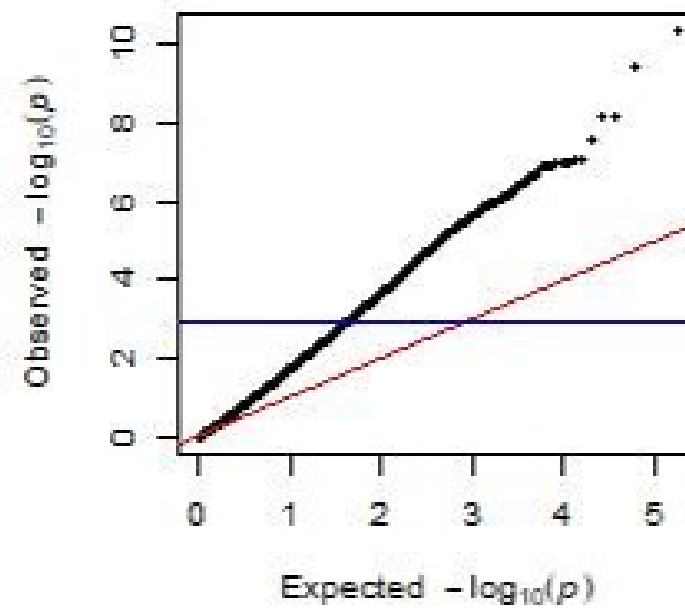


# trait: OMD\_10\_me17

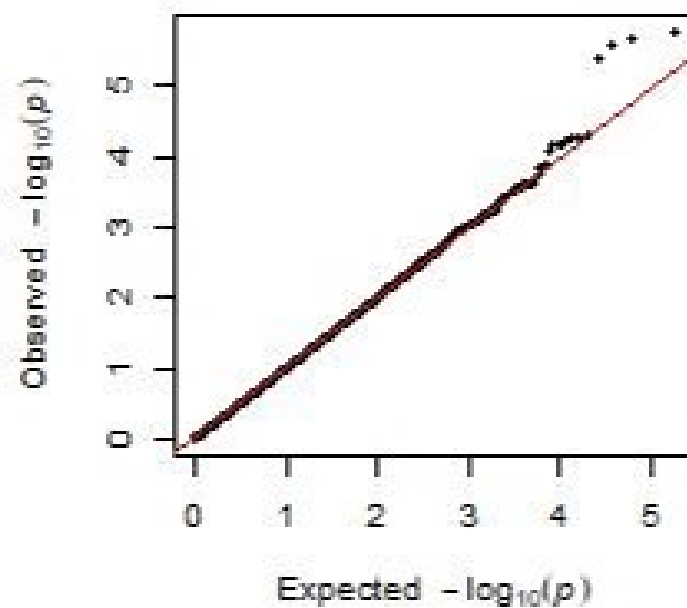
No accounting for kinship or structure



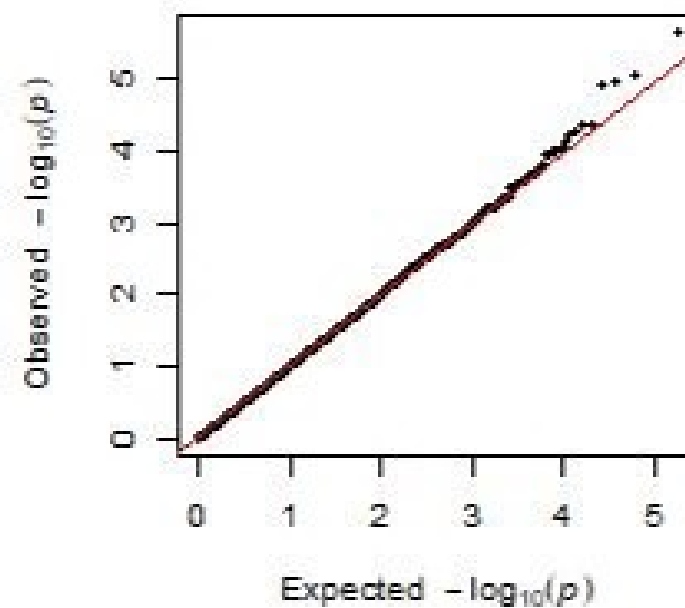
Accounting only for structure



Accounting only for kinship

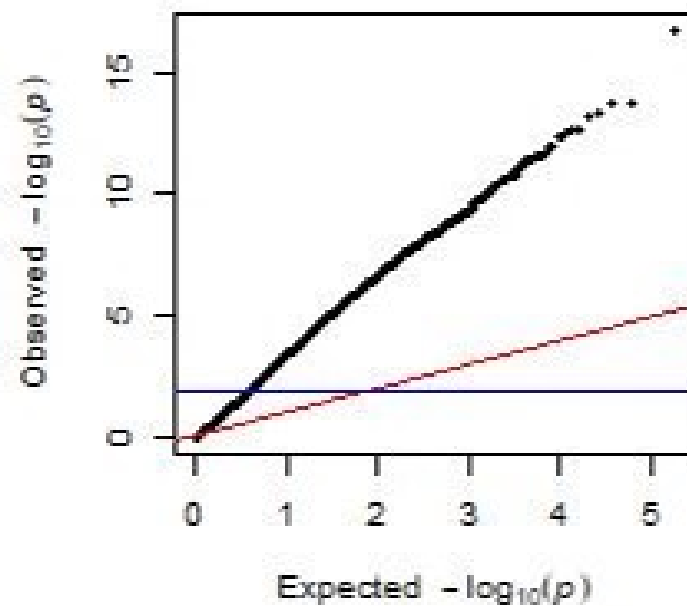


Accounting for kinship and structure

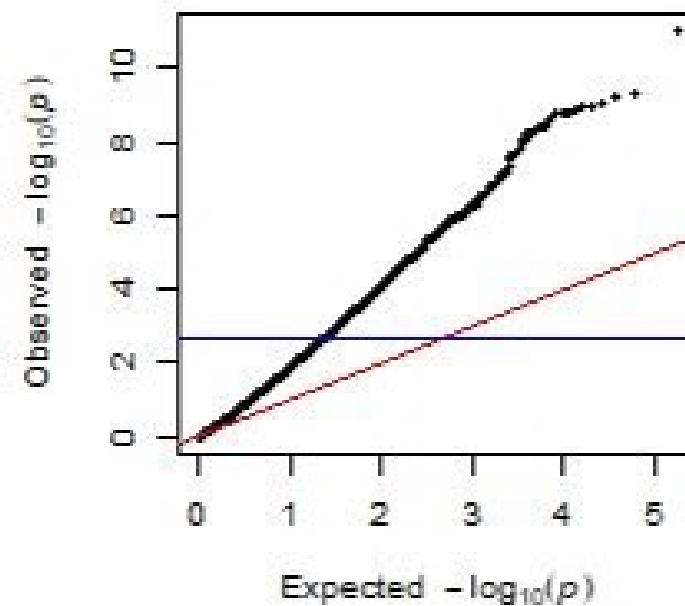


# trait: OMD\_avg

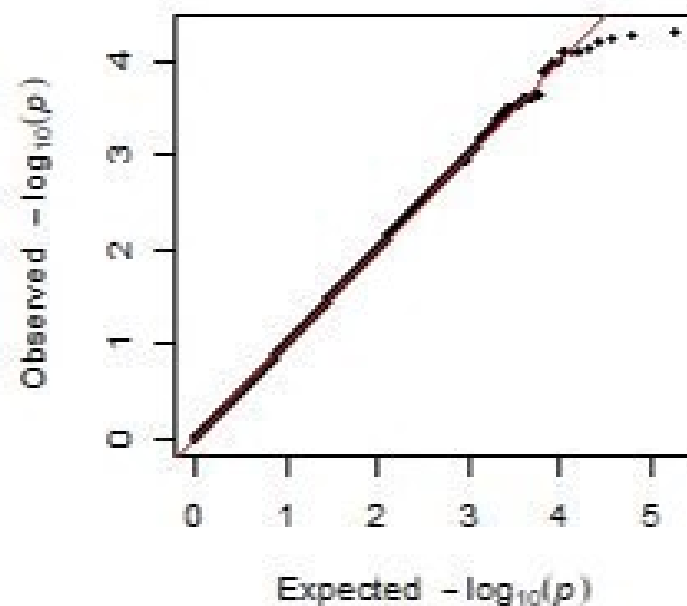
No accounting for kinship or structure



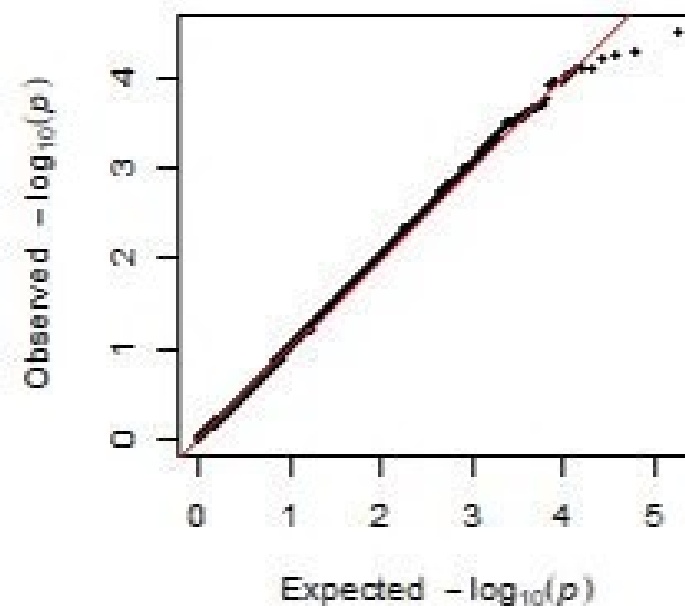
Accounting only for structure



Accounting only for kinship

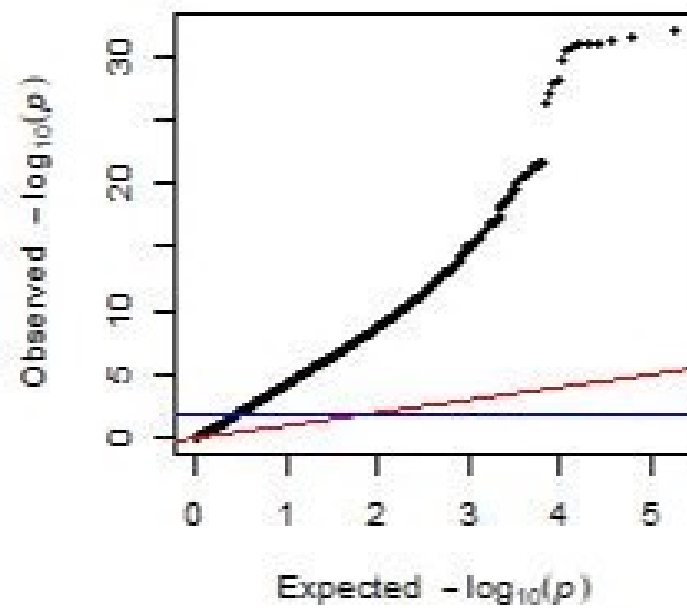


Accounting for kinship and structure

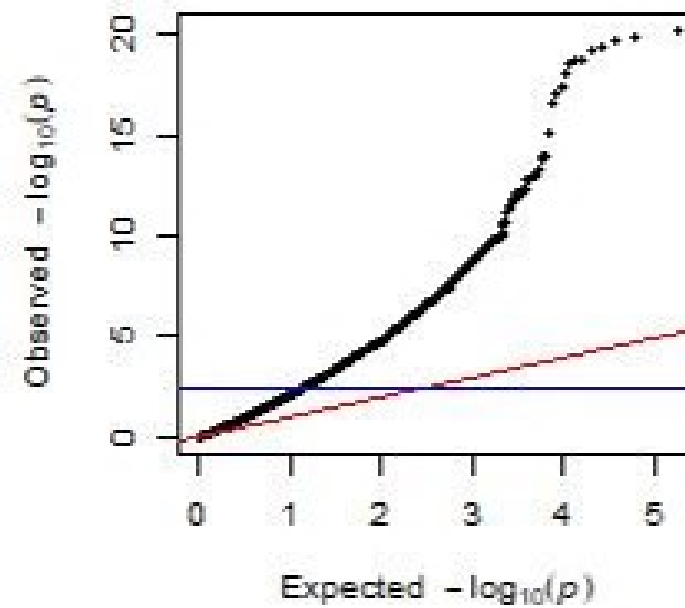


# trait: PRT\_04\_me17

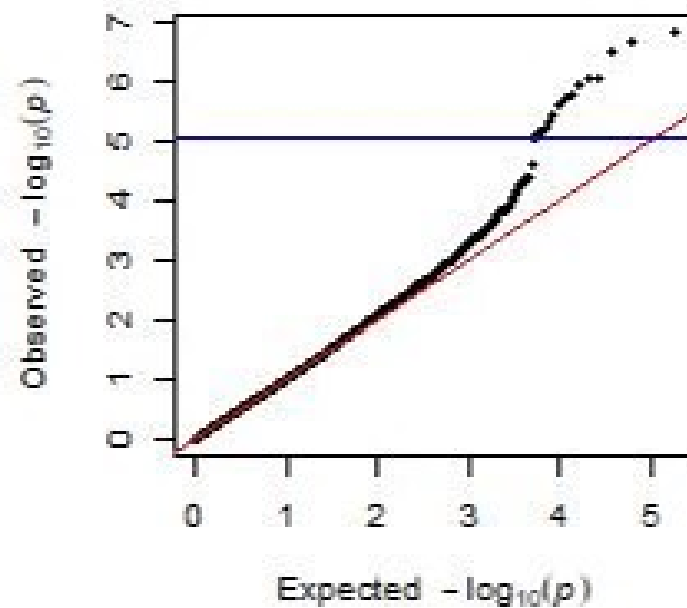
No accounting for kinship or structure



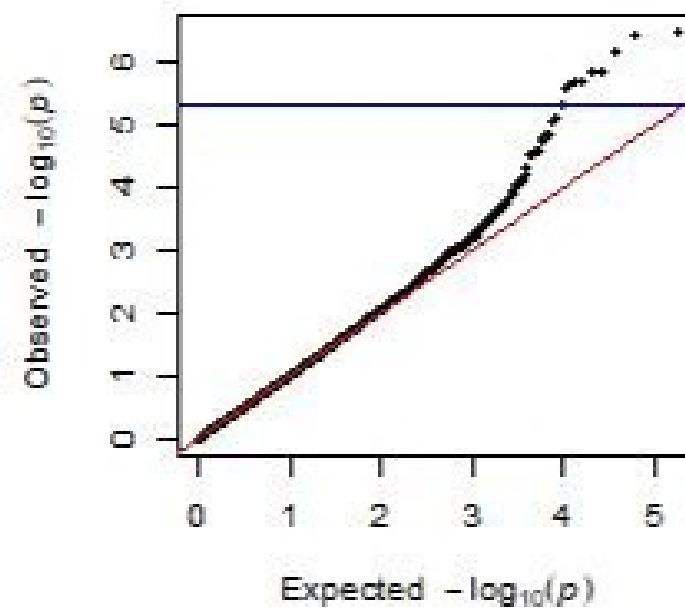
Accounting only for structure



Accounting only for kinship

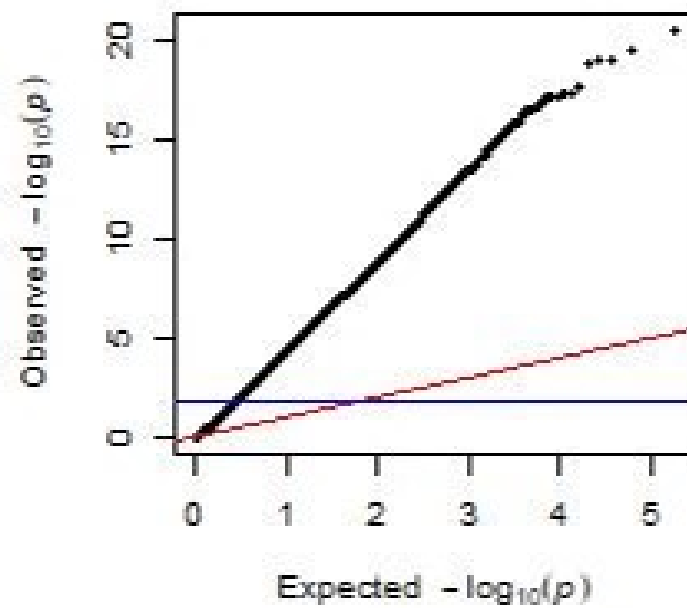


Accounting for kinship and structure

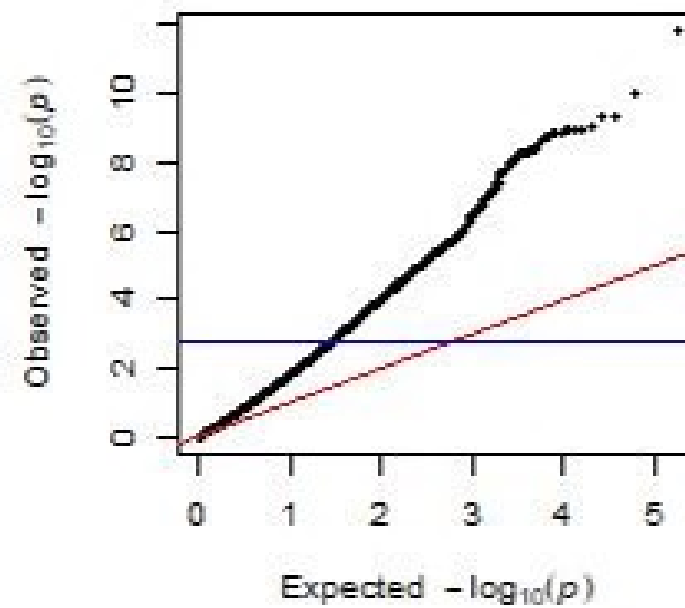


# trait: PRT\_10\_me17

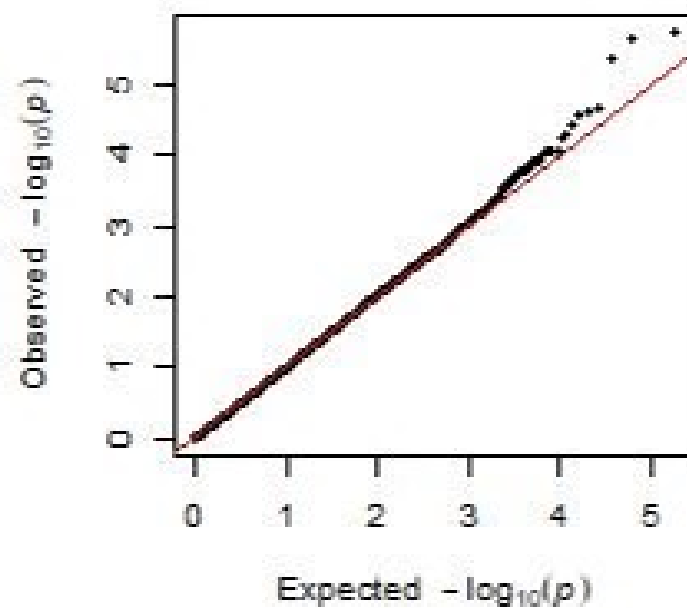
No accounting for kinship or structure



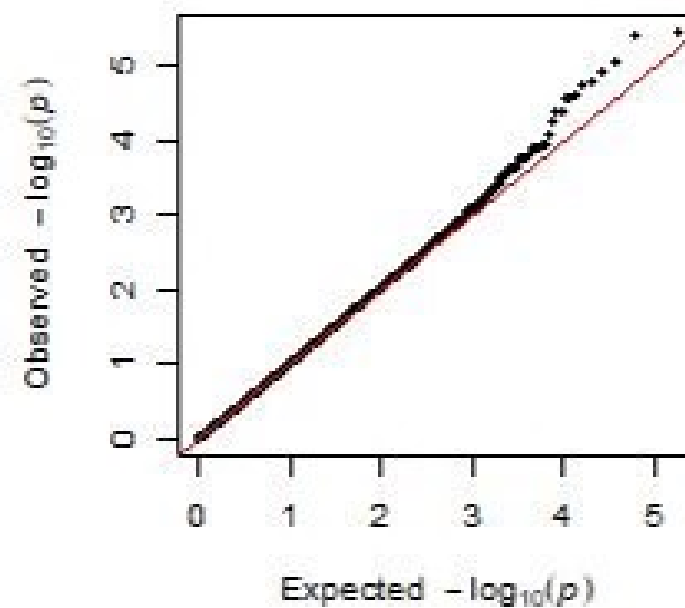
Accounting only for structure



Accounting only for kinship

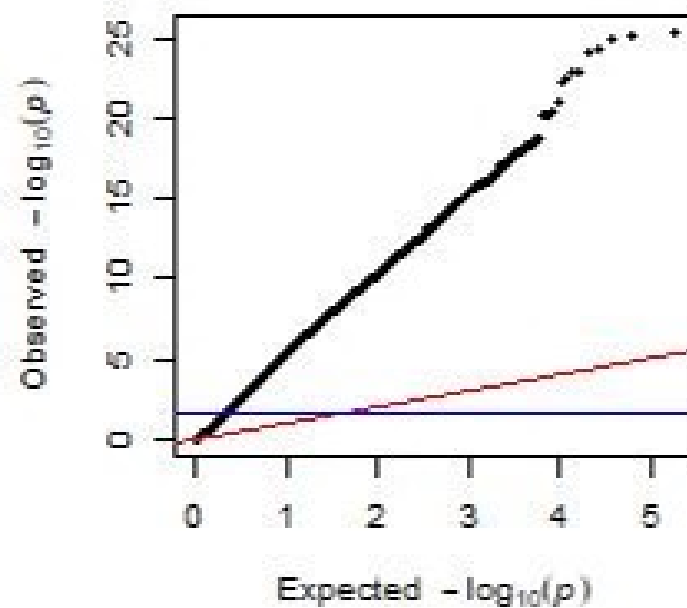


Accounting for kinship and structure

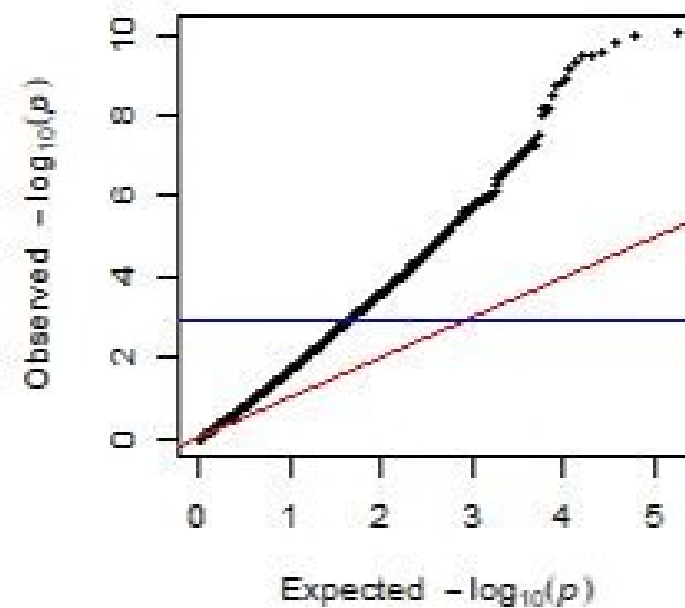


# trait: PRT\_avg

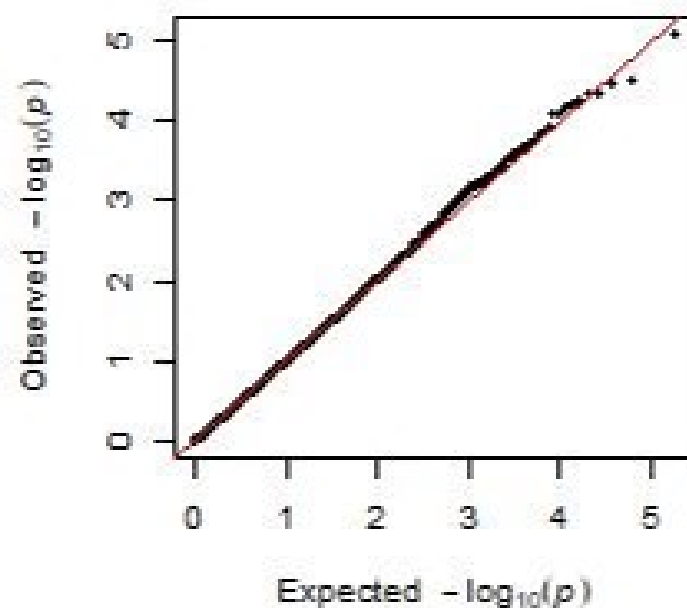
No accounting for kinship or structure



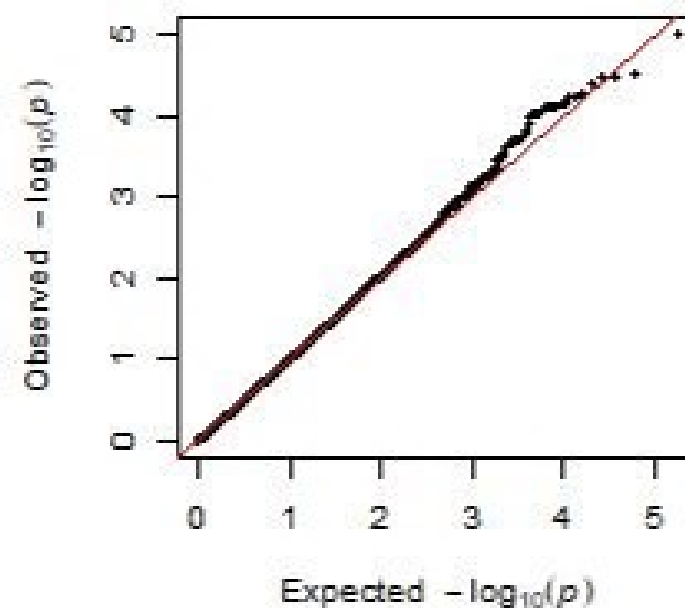
Accounting only for structure



Accounting only for kinship

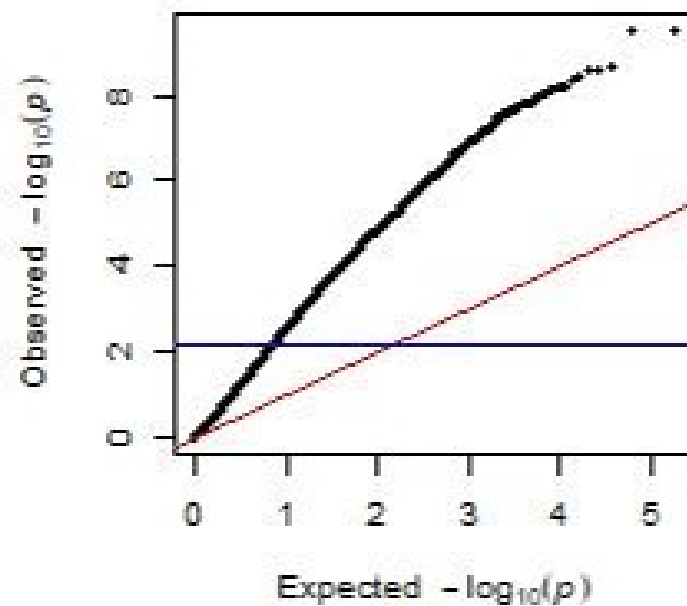


Accounting for kinship and structure

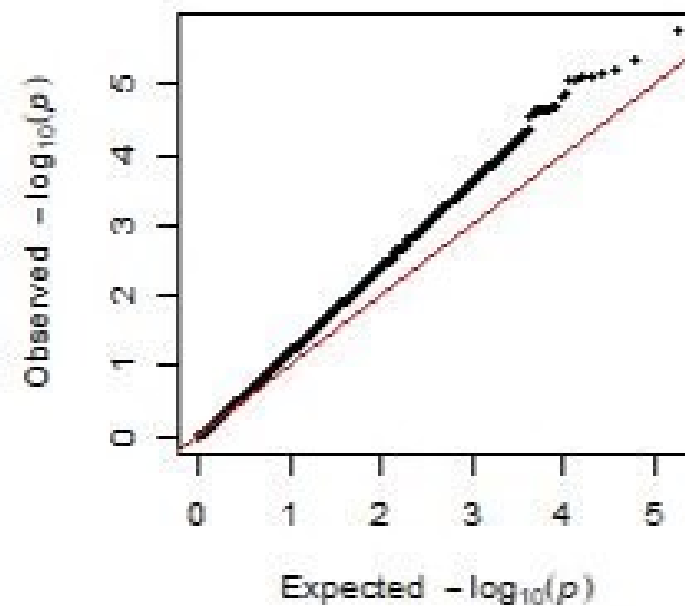


# trait: RAS\_avg

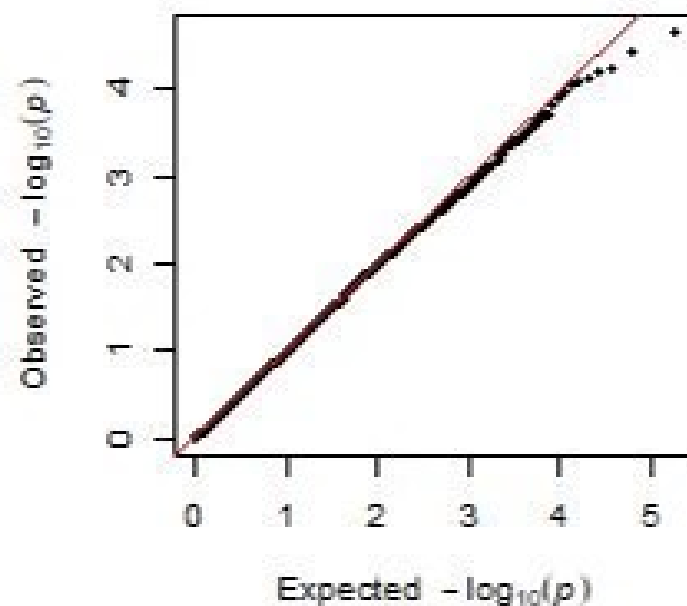
No accounting for kinship or structure



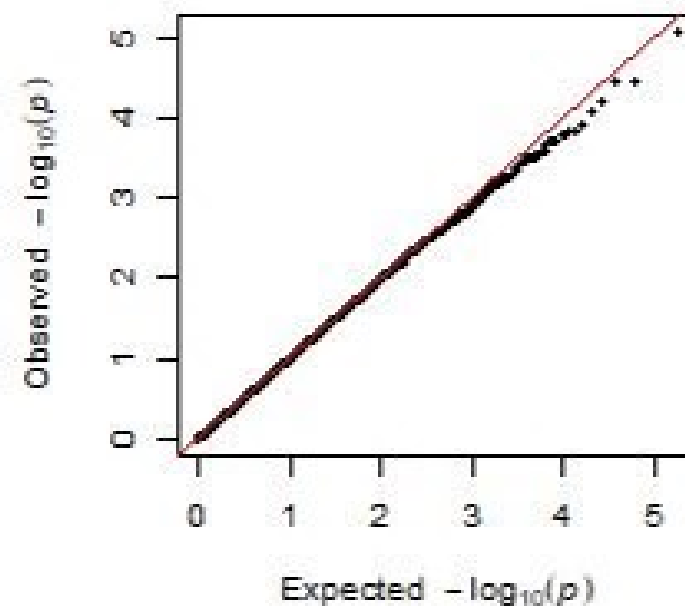
Accounting only for structure



Accounting only for kinship



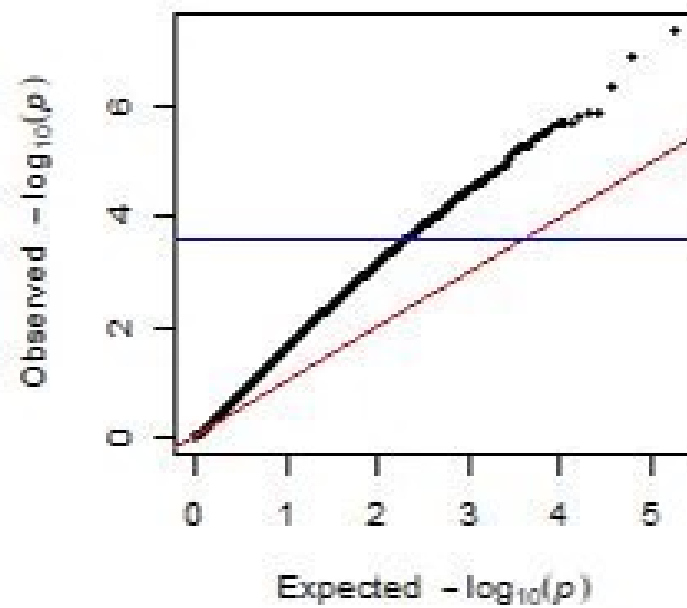
Accounting for kinship and structure



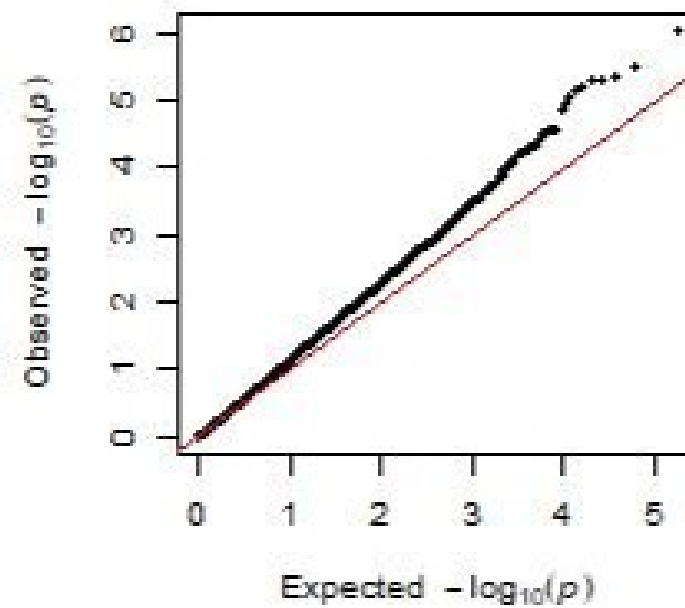


# trait: RAS\_lu15

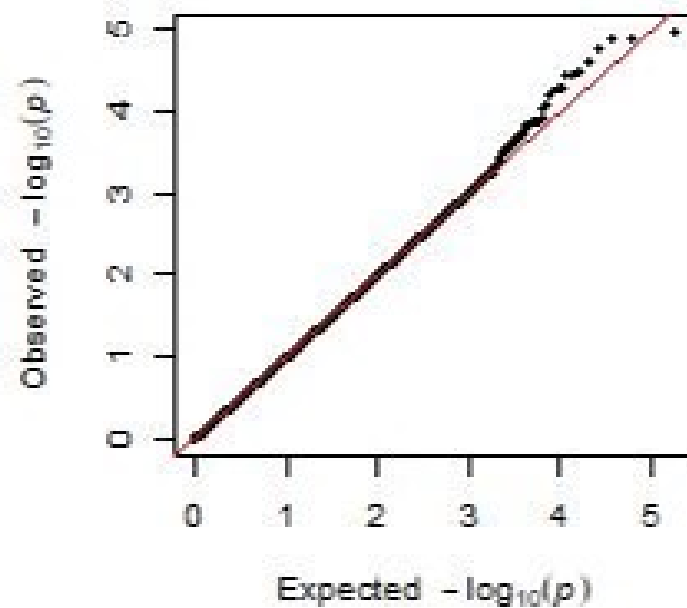
No accounting for kinship or structure



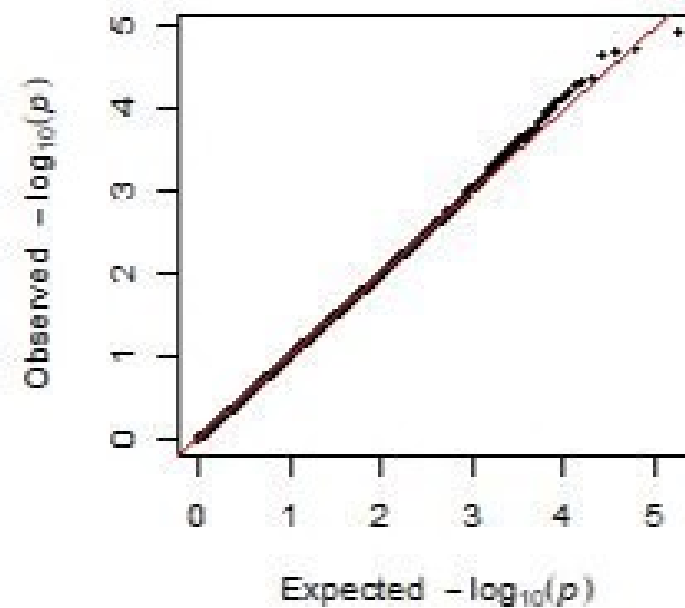
Accounting only for structure



Accounting only for kinship

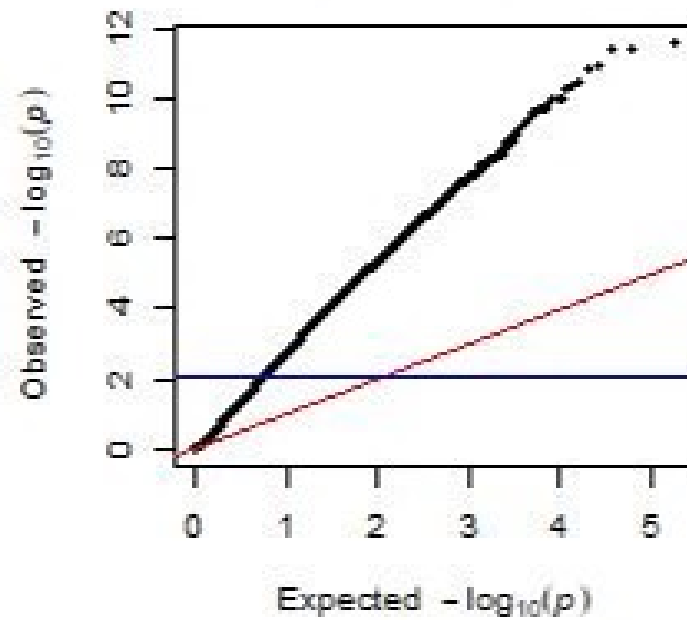


Accounting for kinship and structure

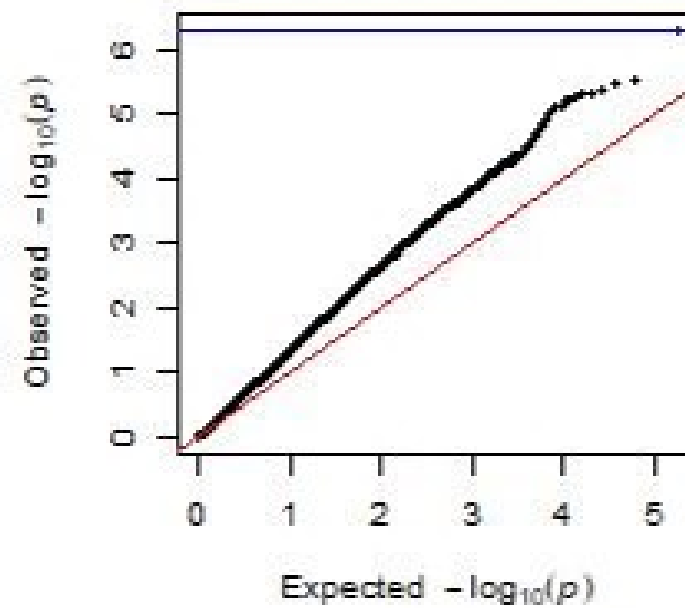


# trait: RAS\_me15

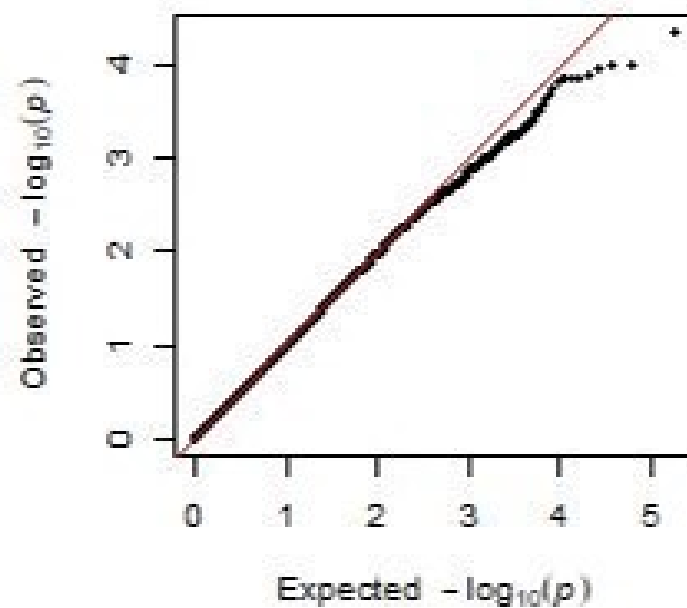
No accounting for kinship or structure



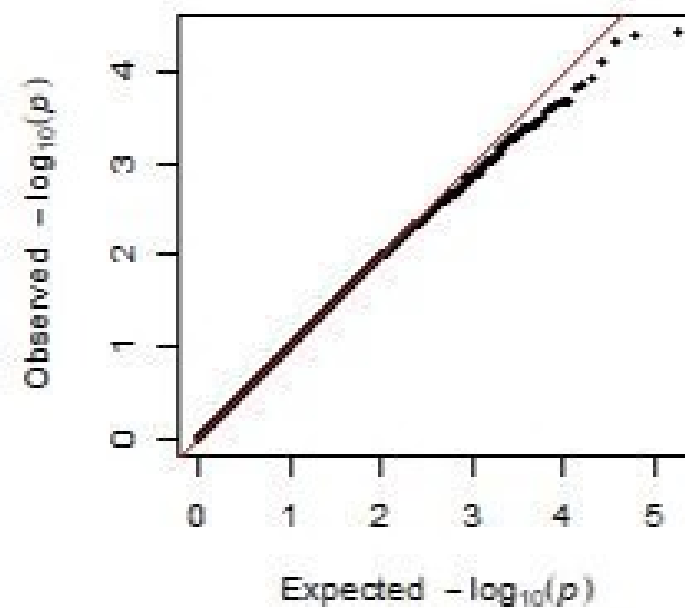
Accounting only for structure



Accounting only for kinship

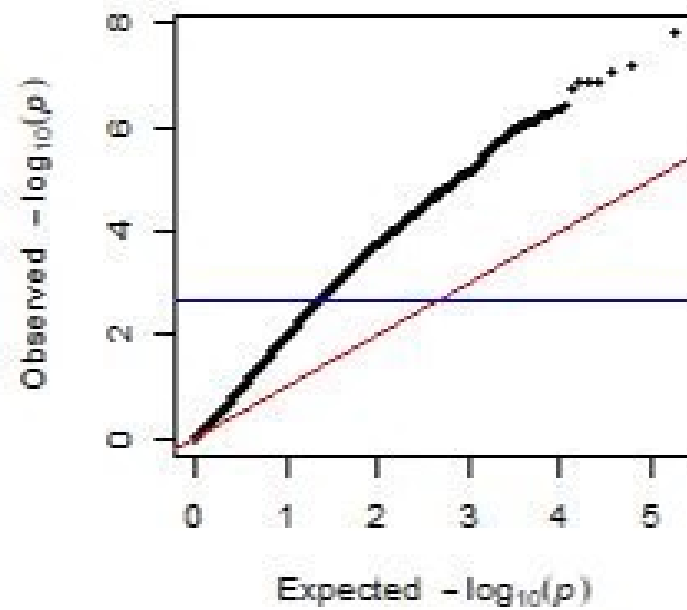


Accounting for kinship and structure

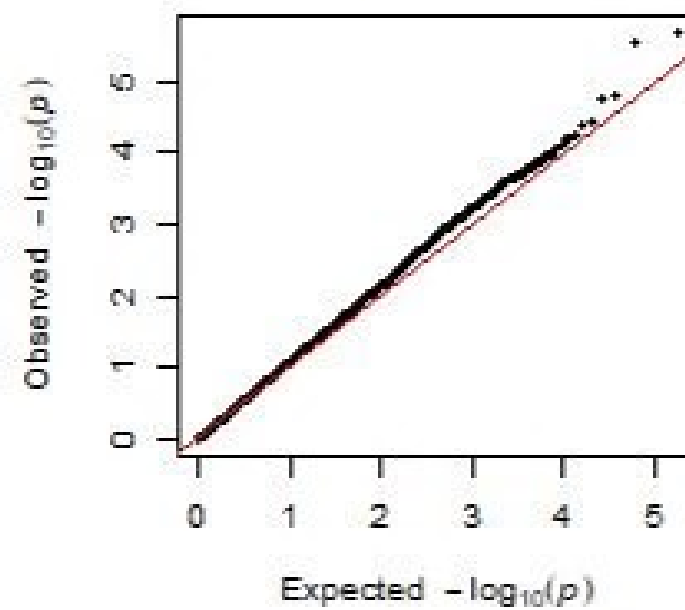


# trait: RAS\_po15

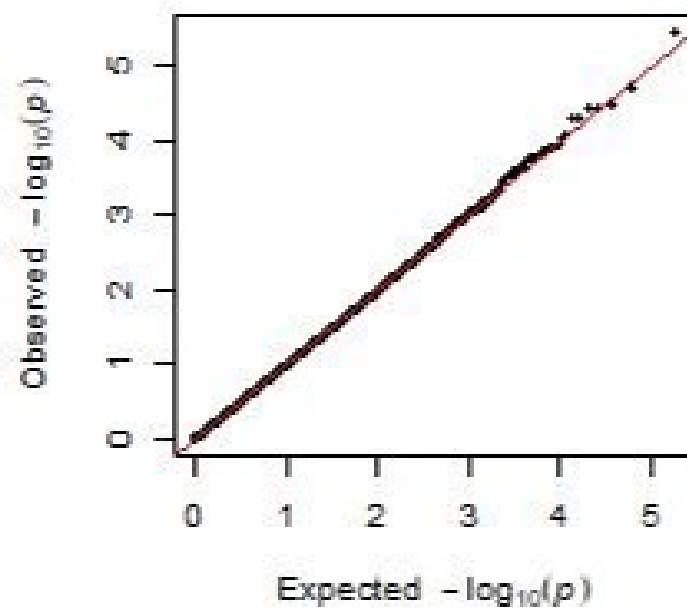
No accounting for kinship or structure



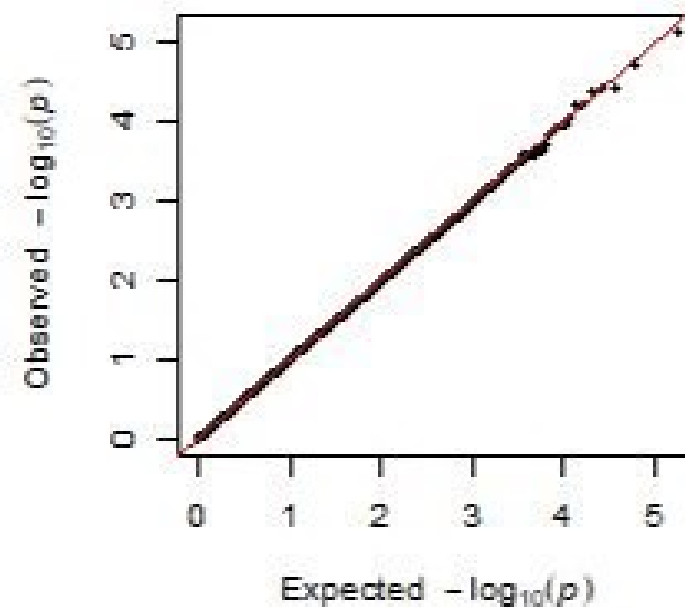
Accounting only for structure



Accounting only for kinship

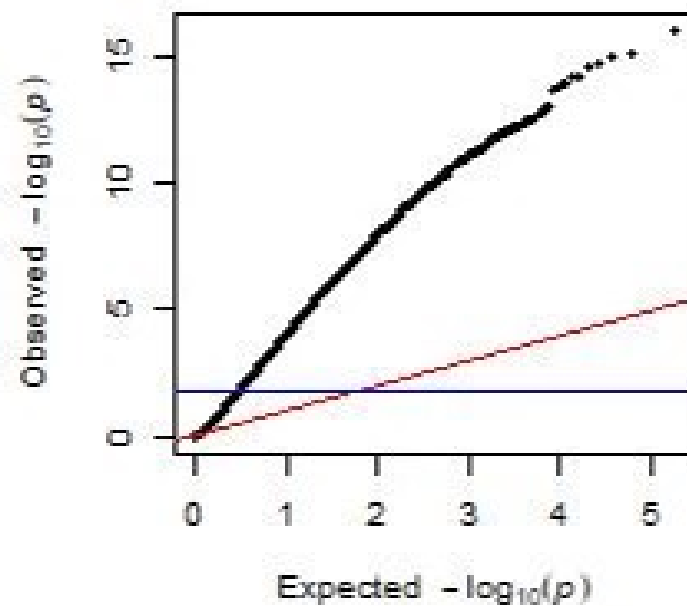


Accounting for kinship and structure

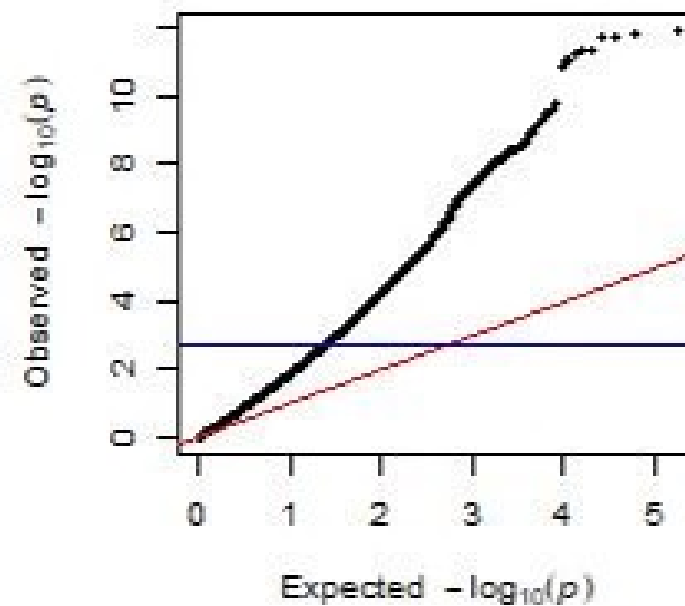


# trait: resCH300h\_lu16

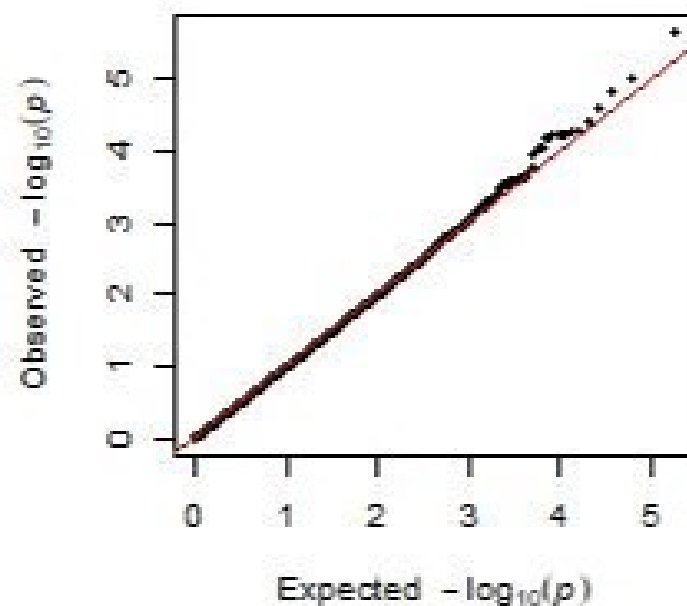
No accounting for kinship or structure



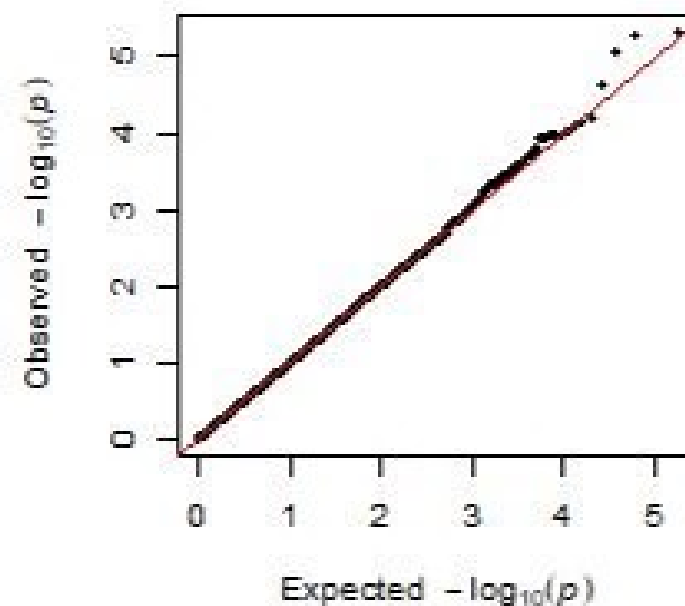
Accounting only for structure



Accounting only for kinship

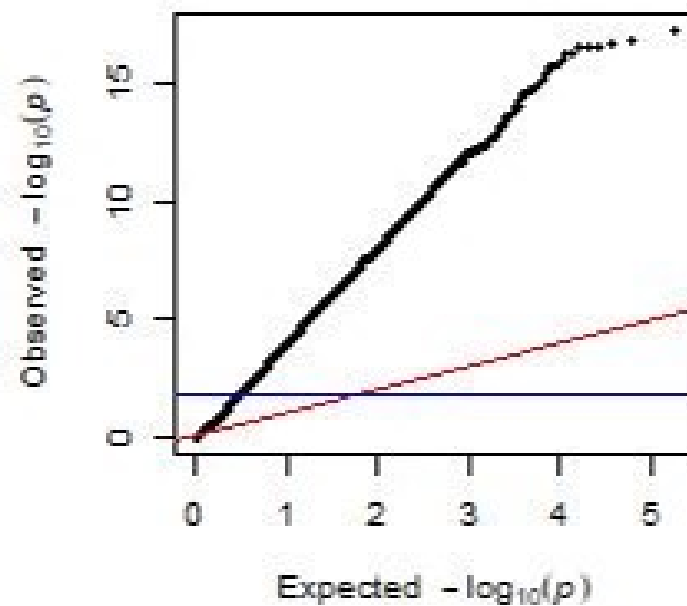


Accounting for kinship and structure

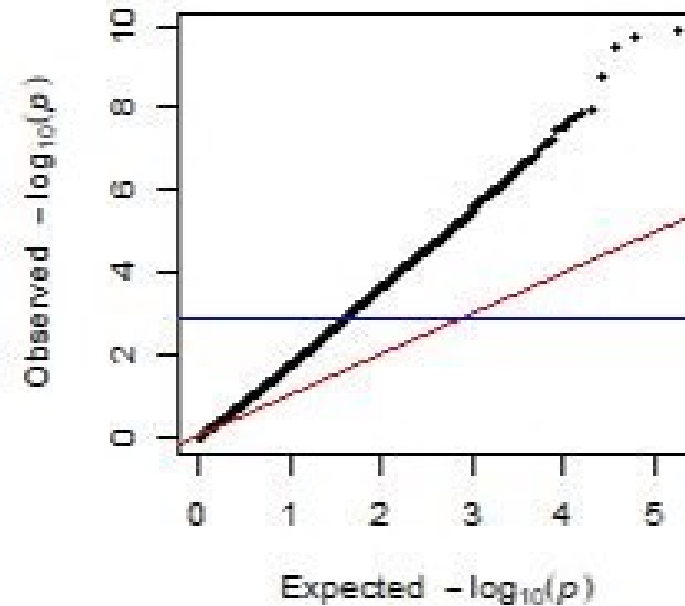


# trait: resCH300h\_lu17

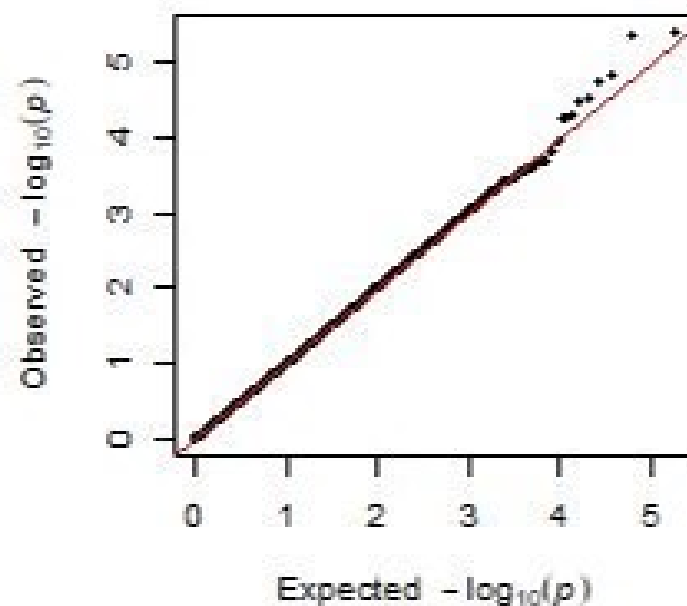
No accounting for kinship or structure



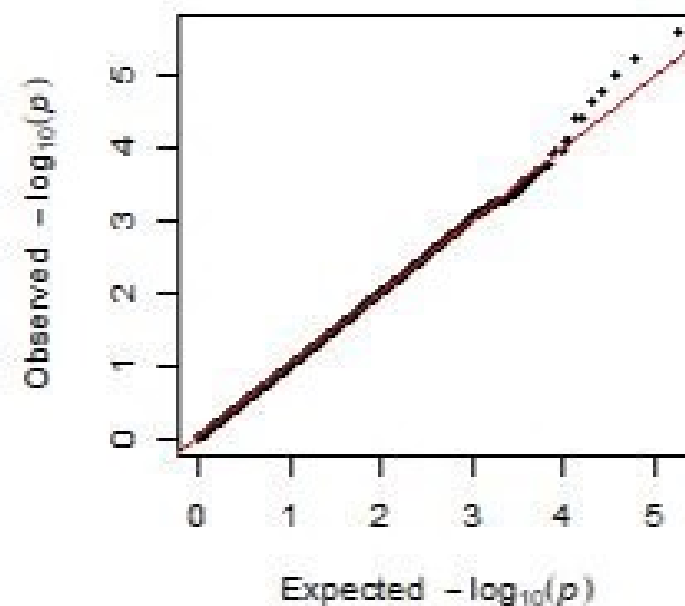
Accounting only for structure



Accounting only for kinship

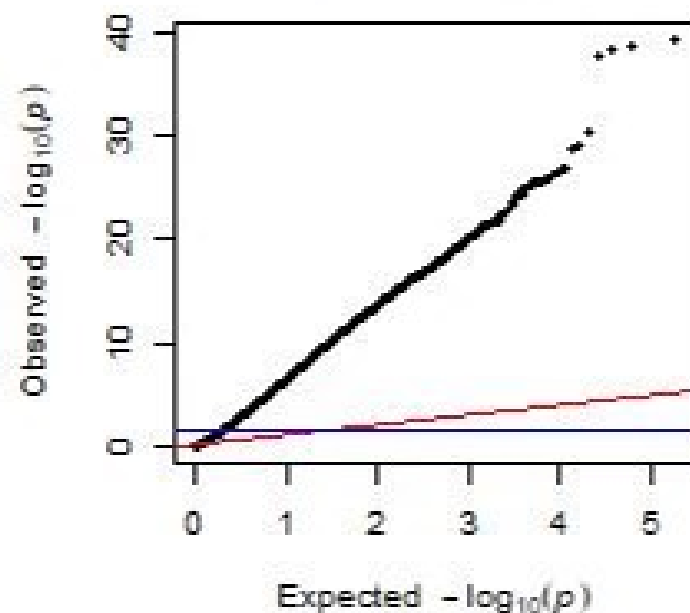


Accounting for kinship and structure

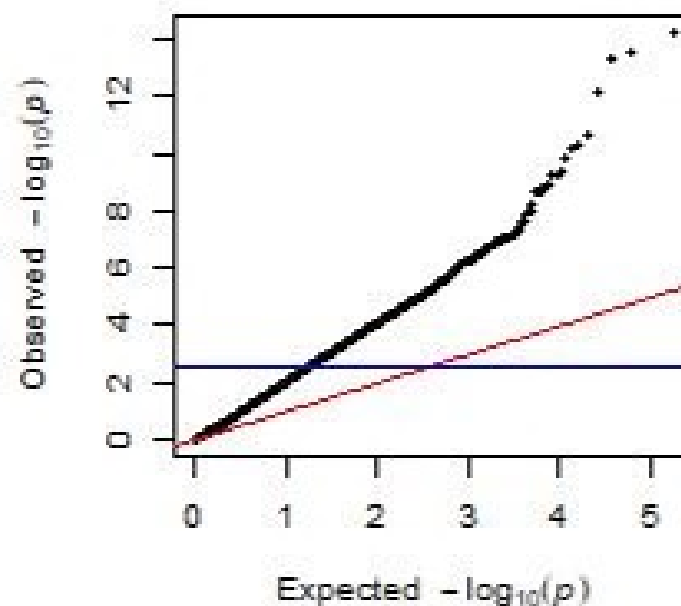


trait: resCH300h\_po16

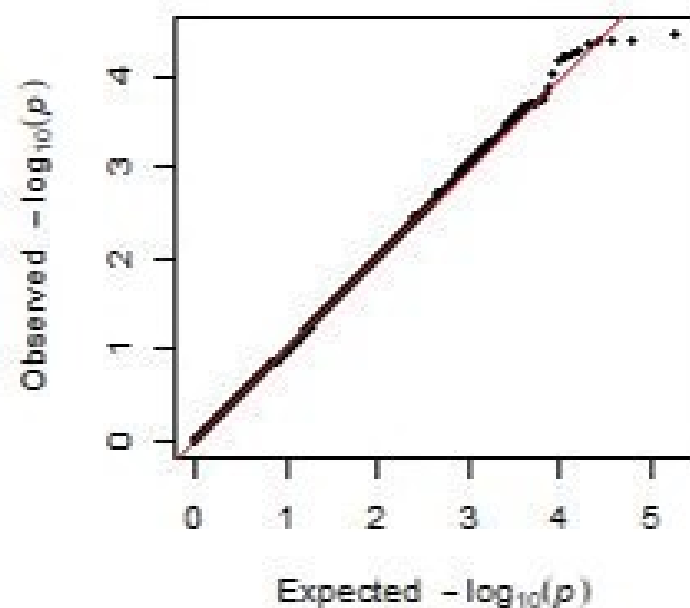
No accounting for kinship or structure



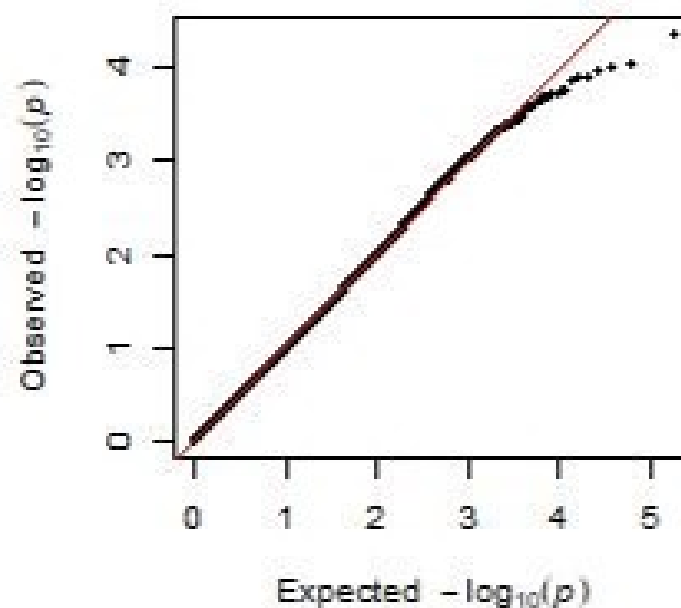
Accounting only for structure



Accounting only for kinship

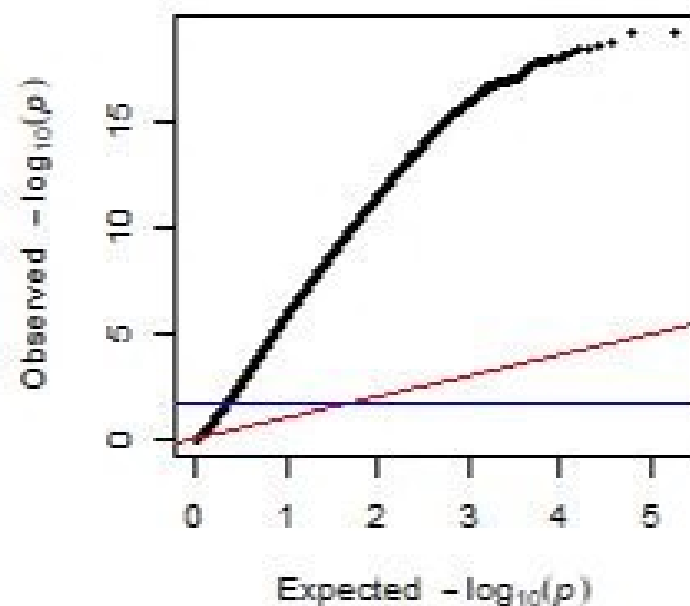


Accounting for kinship and structure

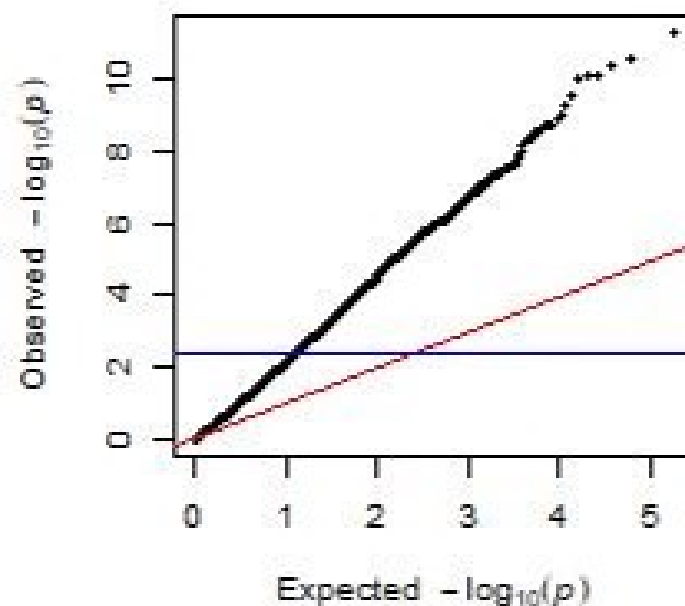


trait: resCH300h\_po17

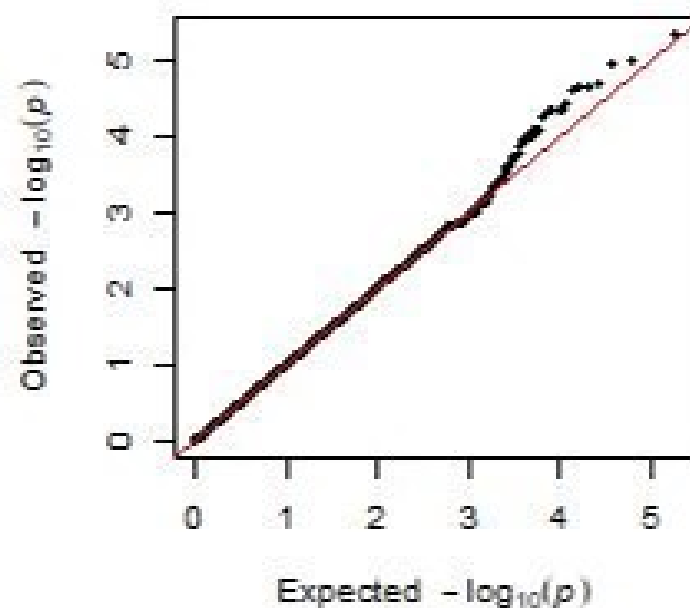
No accounting for kinship or structure



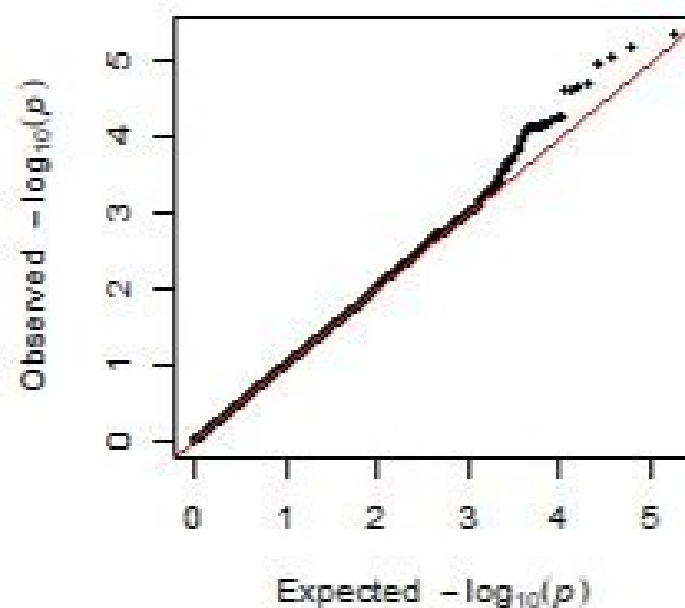
Accounting only for structure



Accounting only for kinship

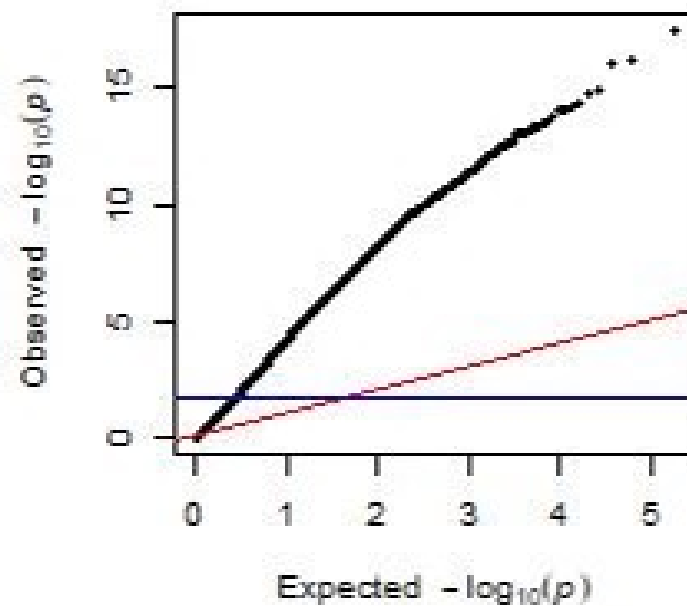


Accounting for kinship and structure

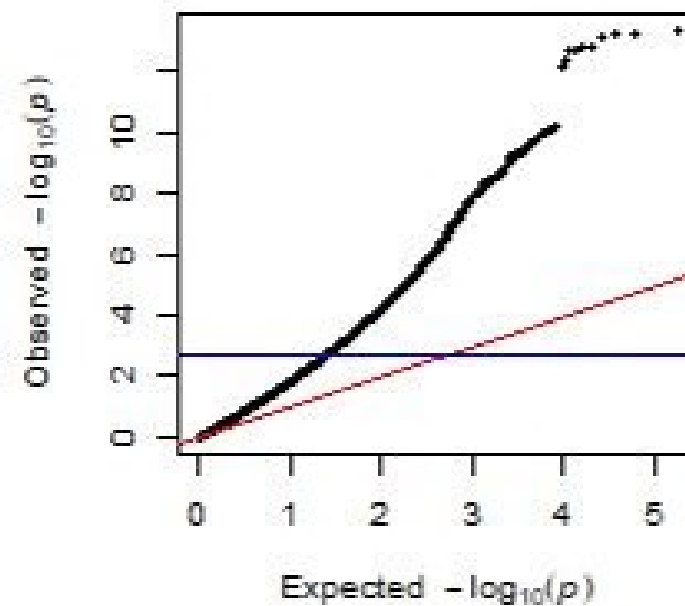


# trait: resCH400h\_lu16

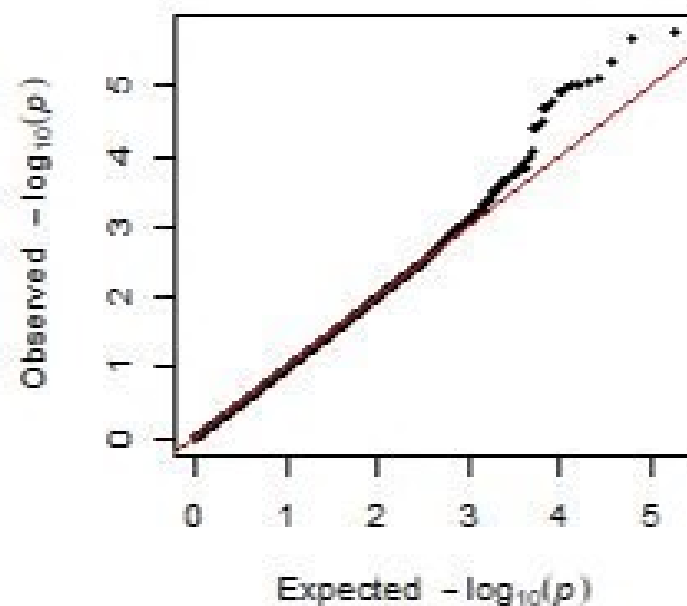
No accounting for kinship or structure



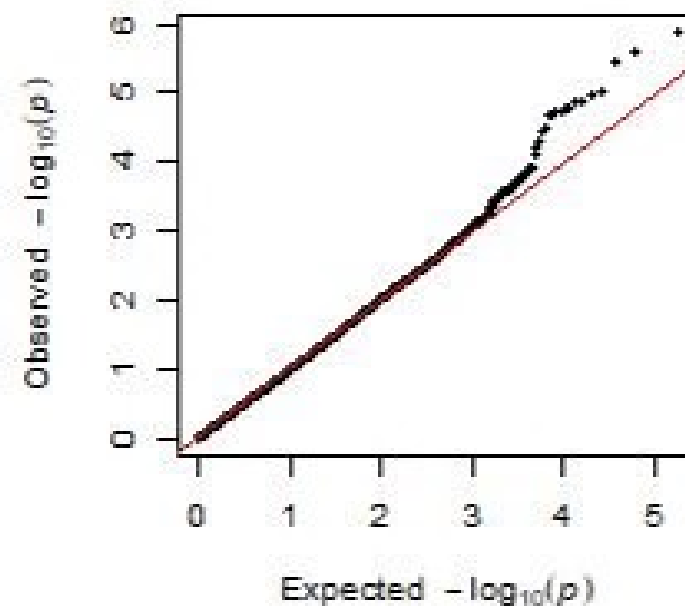
Accounting only for structure



Accounting only for kinship



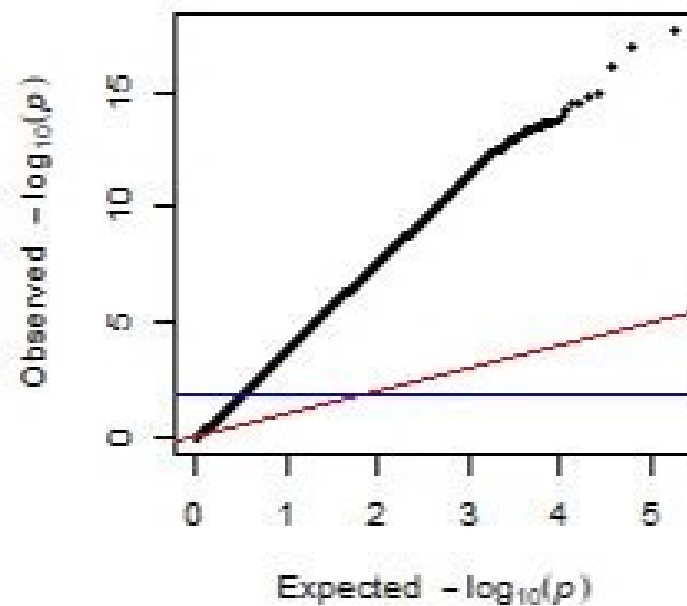
Accounting for kinship and structure



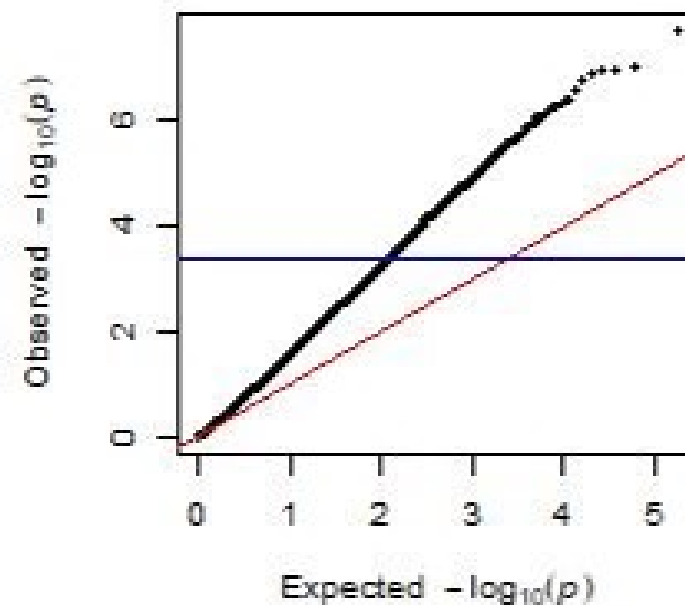


# trait: resCH400h\_lu17

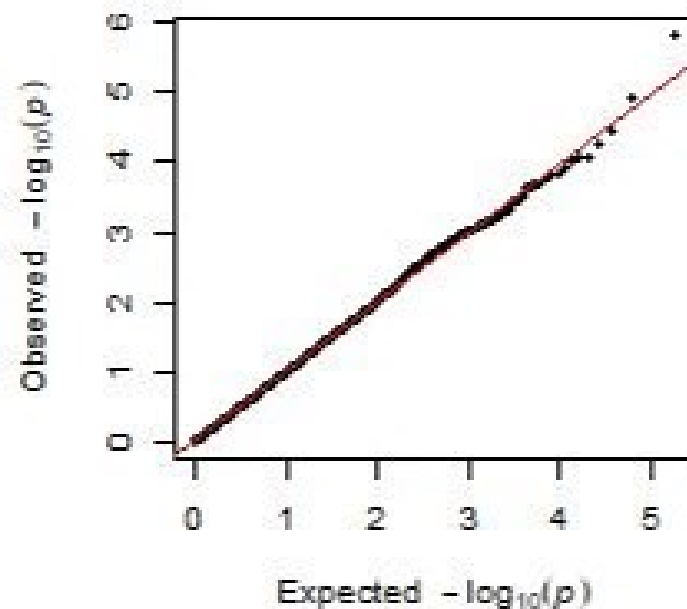
No accounting for kinship or structure



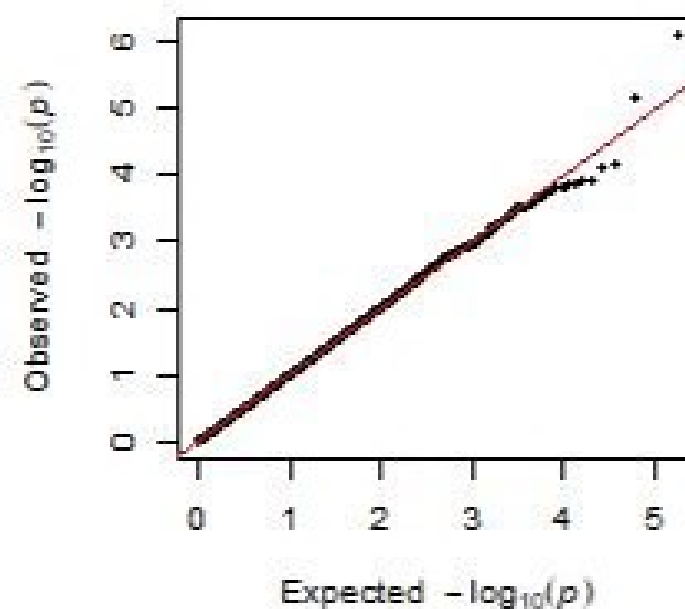
Accounting only for structure



Accounting only for kinship

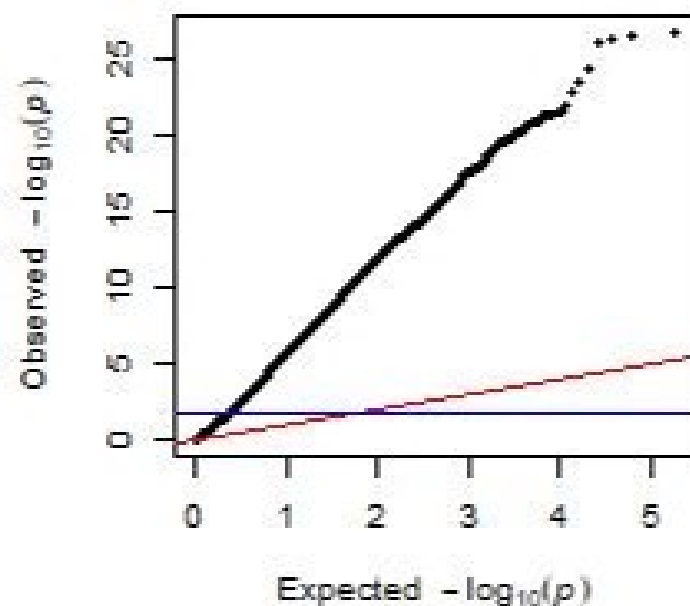


Accounting for kinship and structure

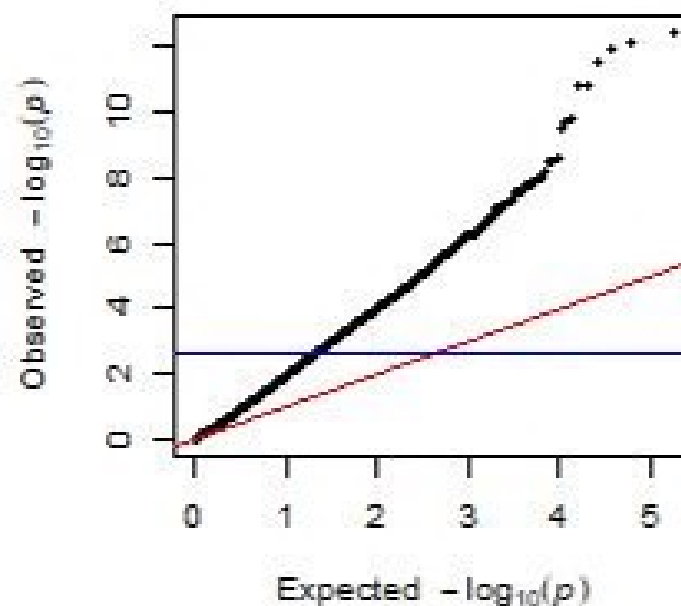


trait: resCH400h\_po16

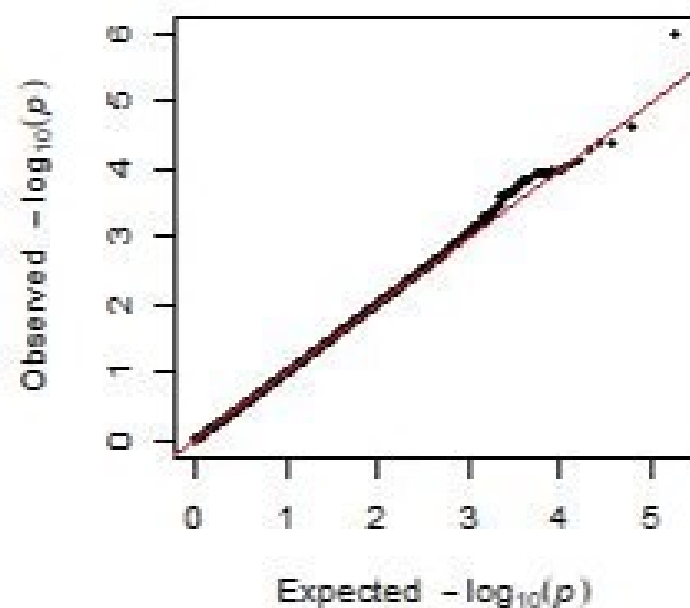
No accounting for kinship or structure



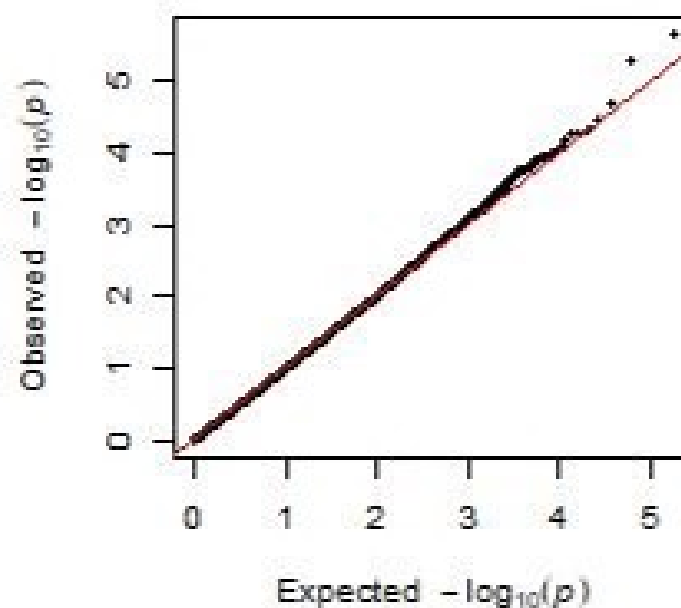
Accounting only for structure



Accounting only for kinship

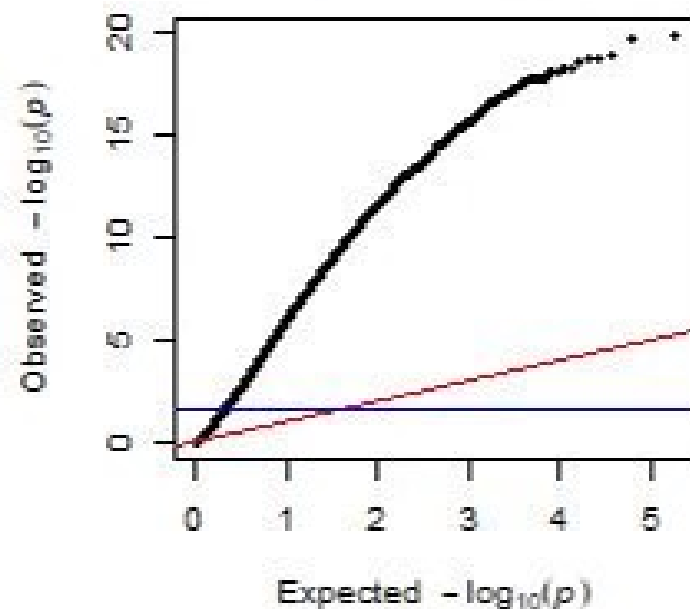


Accounting for kinship and structure

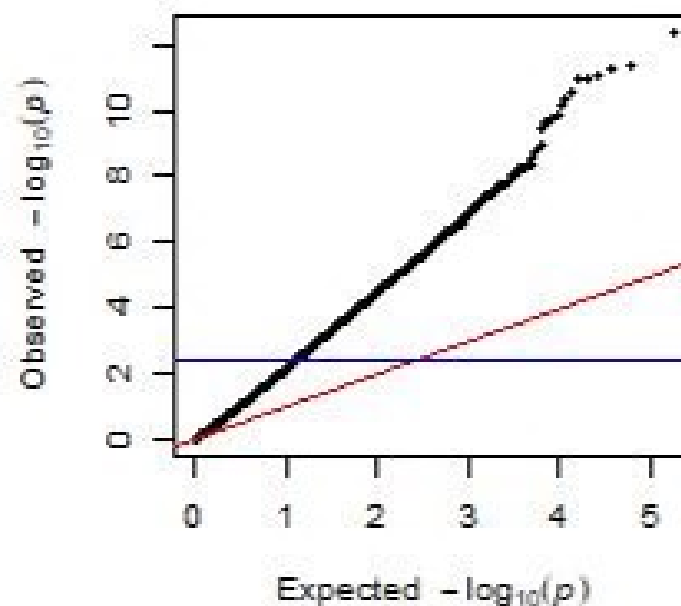


trait: resCH400h\_po17

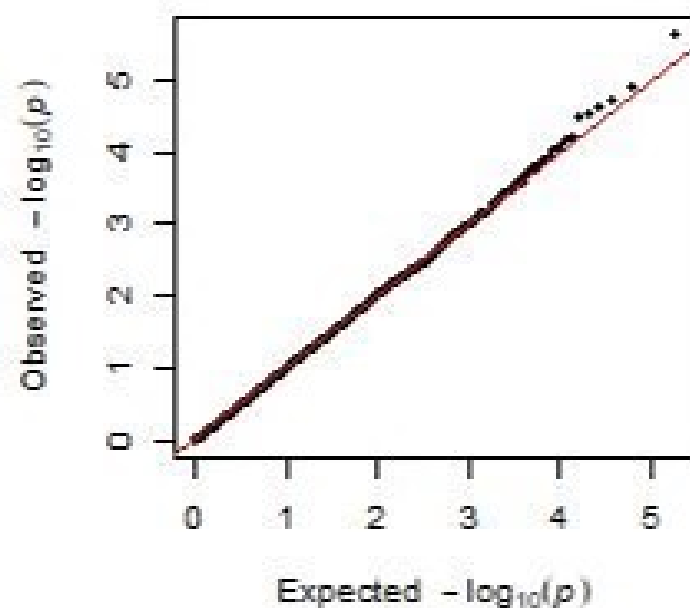
No accounting for kinship or structure



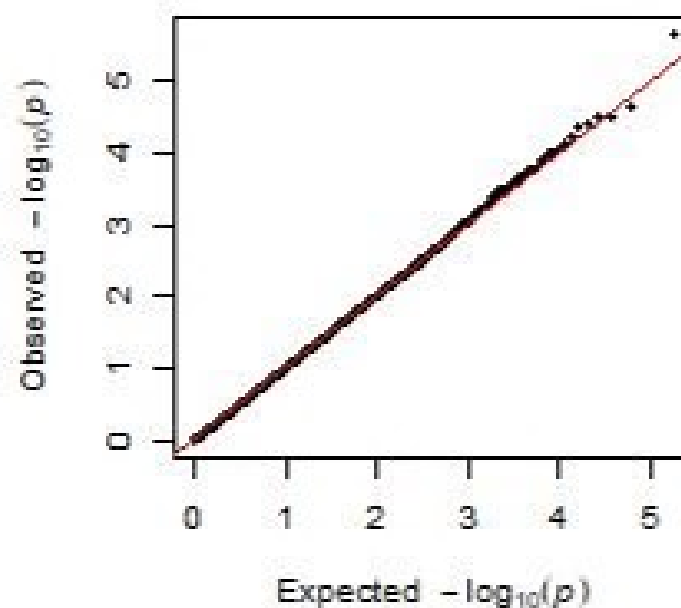
Accounting only for structure



Accounting only for kinship

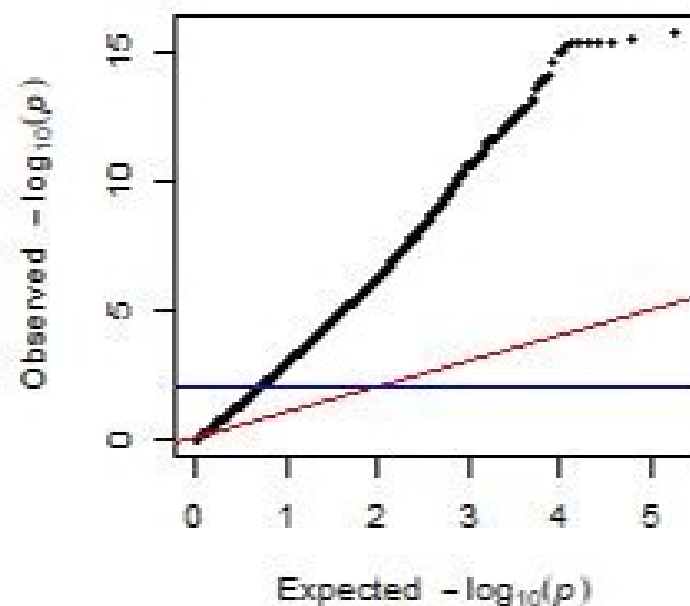


Accounting for kinship and structure

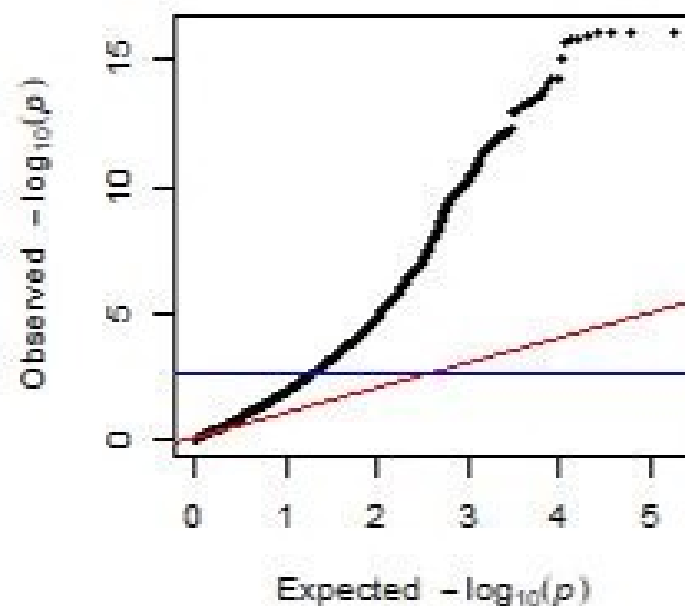


# trait: resCHs300\_lu16

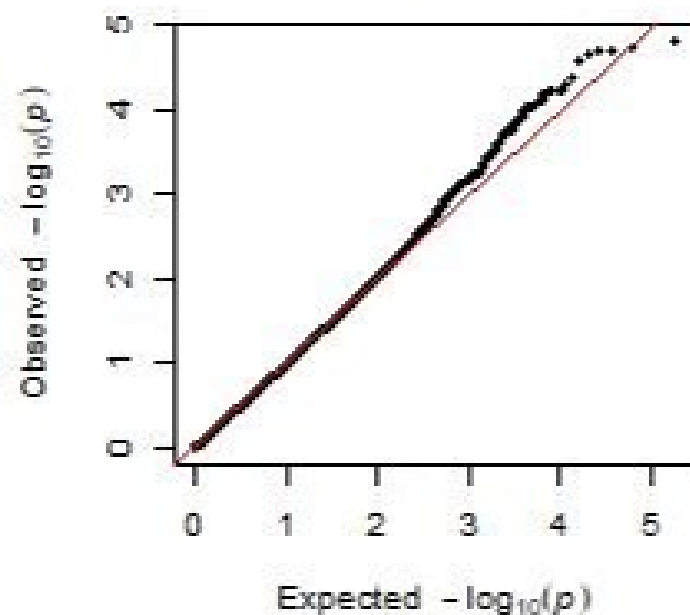
No accounting for kinship or structure



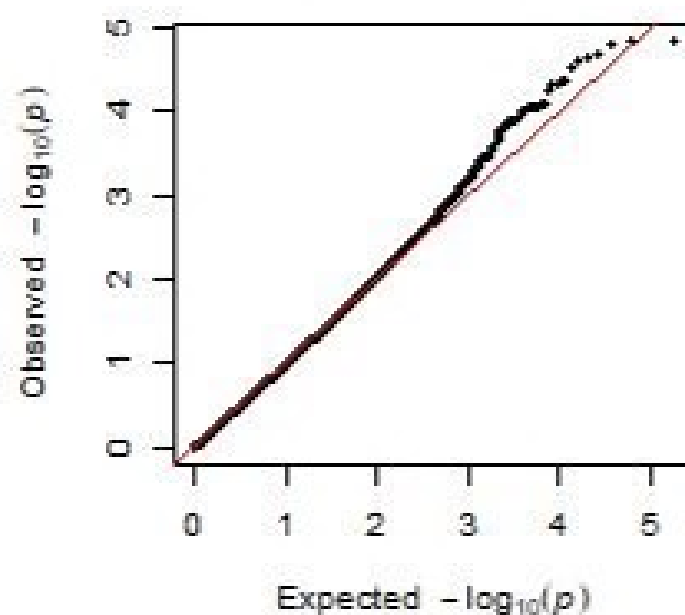
Accounting only for structure



Accounting only for kinship

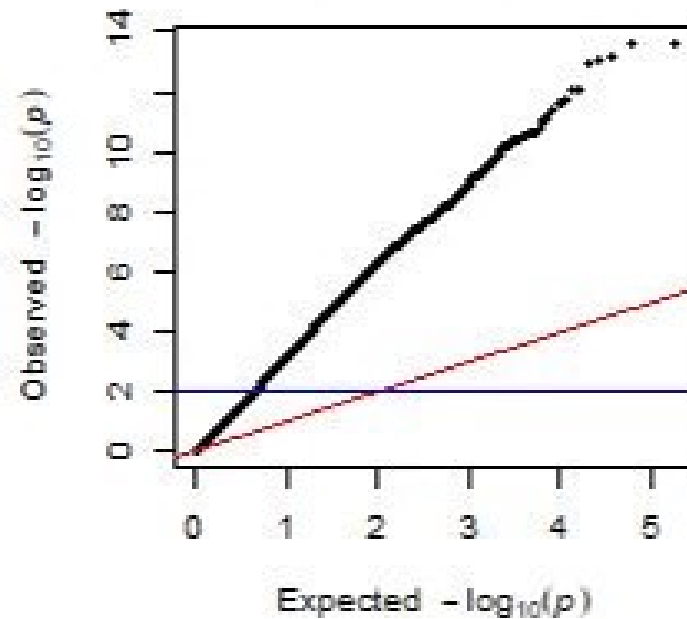


Accounting for kinship and structure

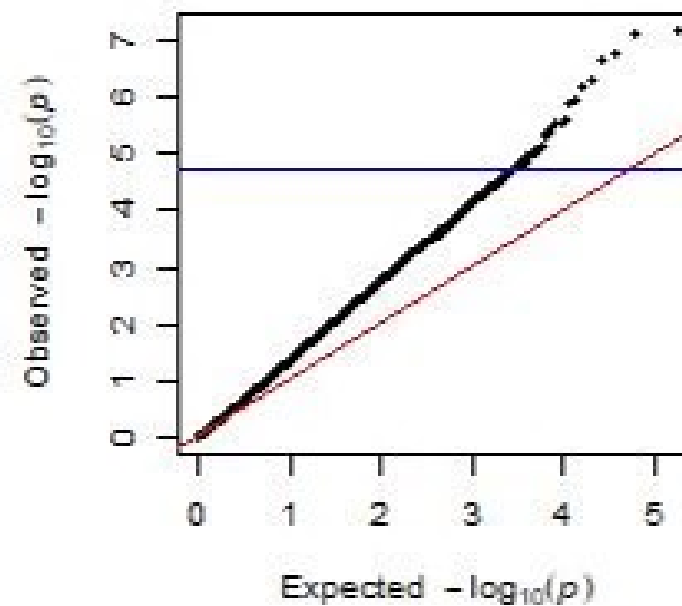


# trait: resCHs300\_lu17

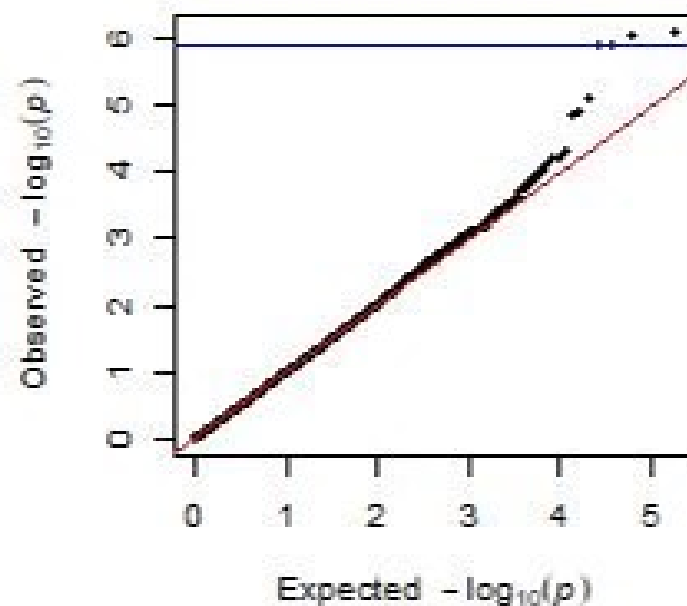
No accounting for kinship or structure



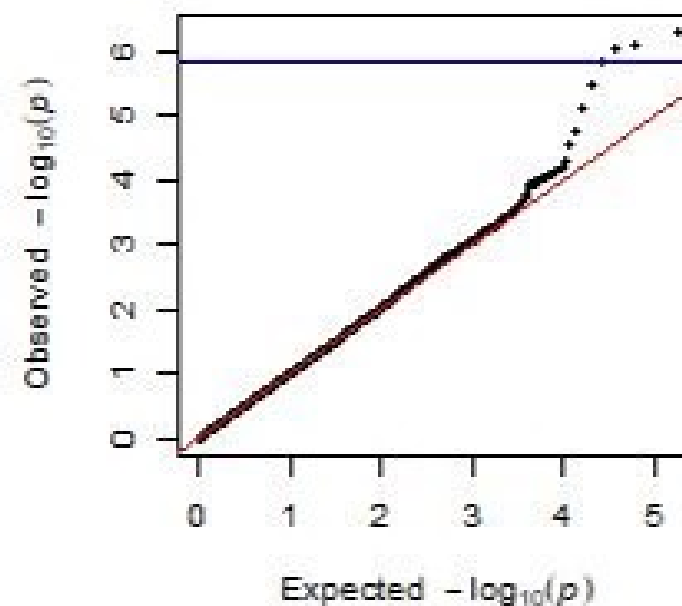
Accounting only for structure



Accounting only for kinship

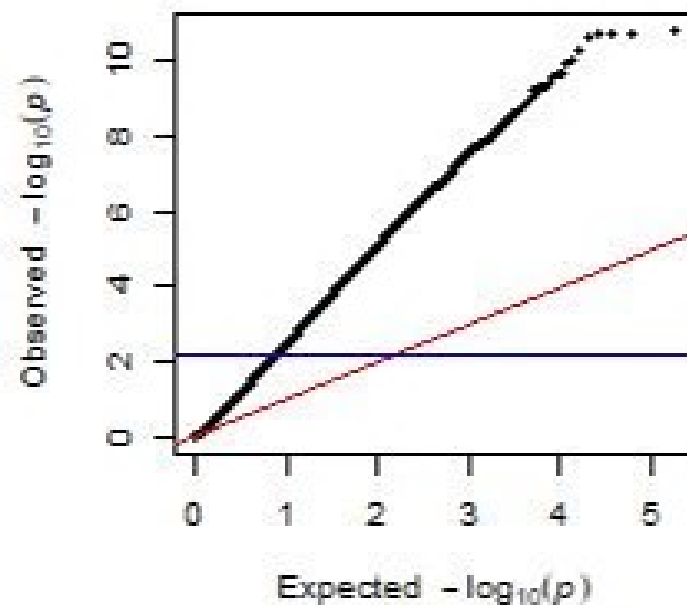


Accounting for kinship and structure

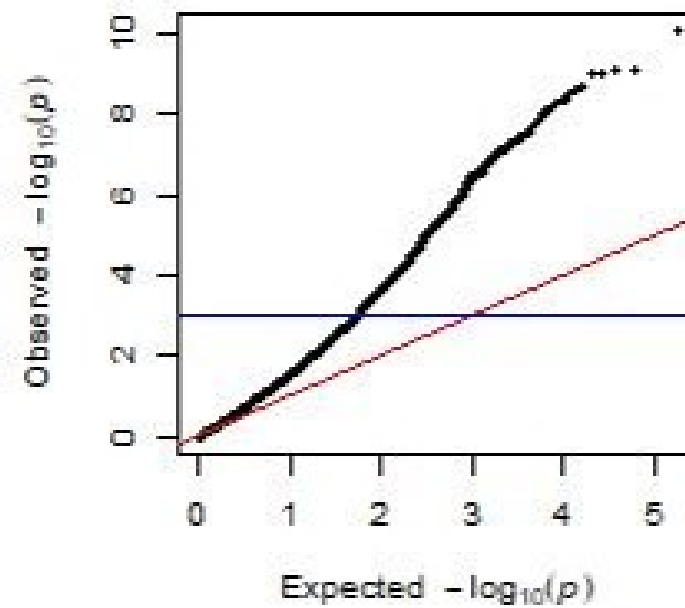


# trait: resCHs300\_me16

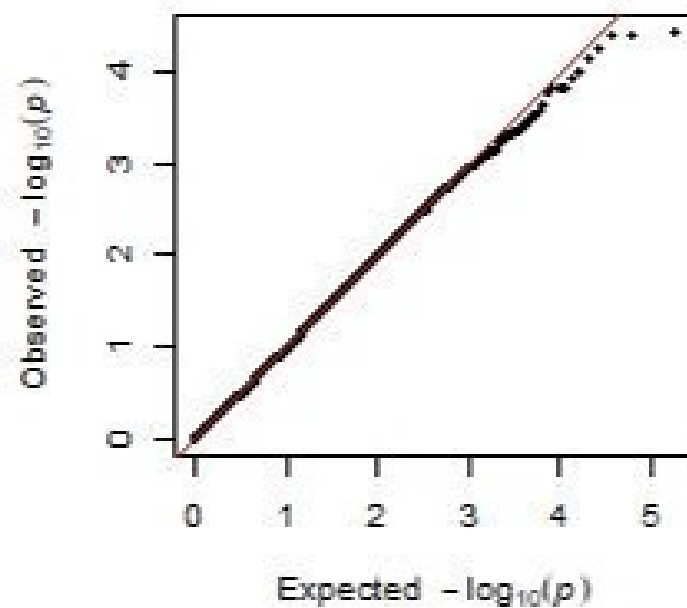
No accounting for kinship or structure



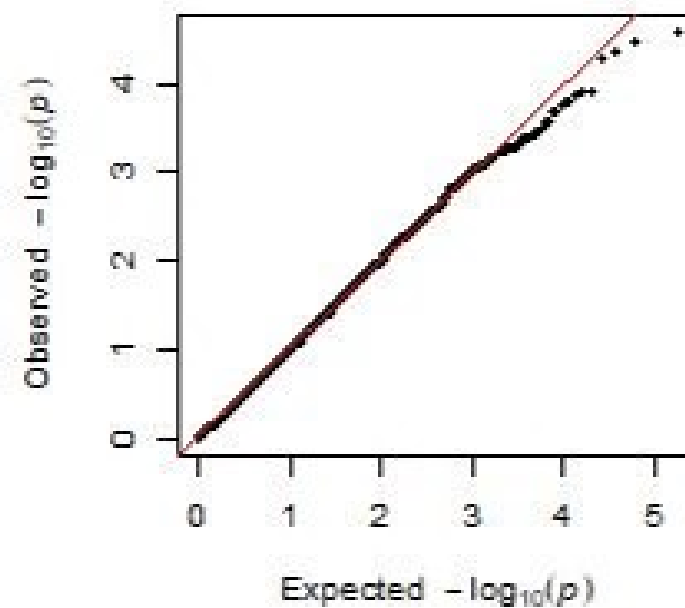
Accounting only for structure



Accounting only for kinship

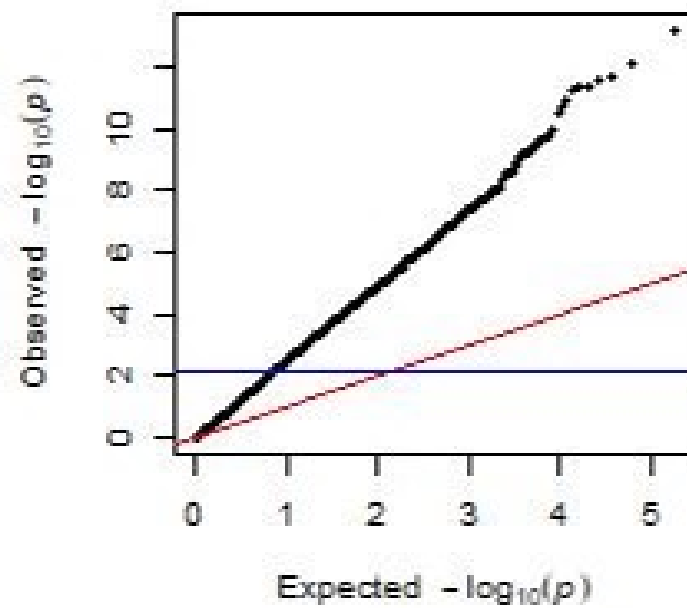


Accounting for kinship and structure

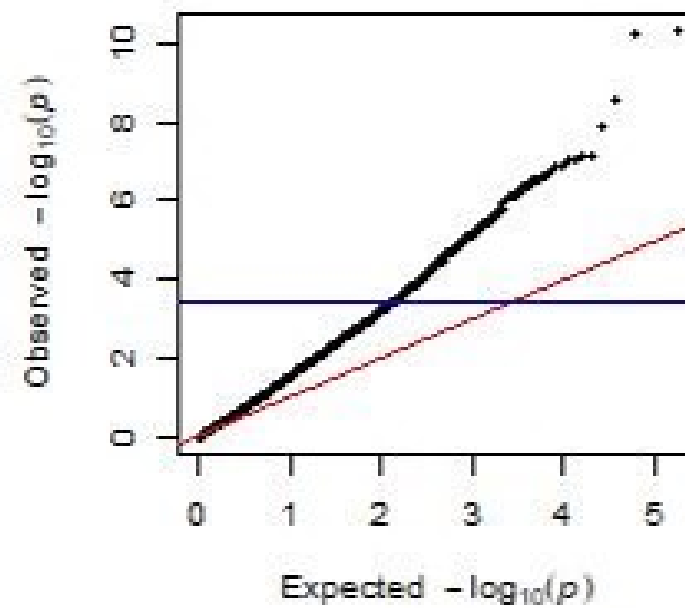


# trait: resCHs300\_me17

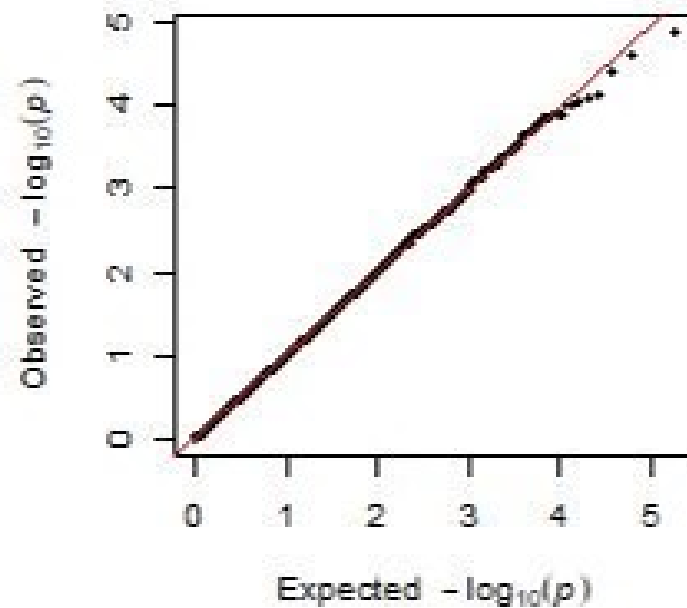
No accounting for kinship or structure



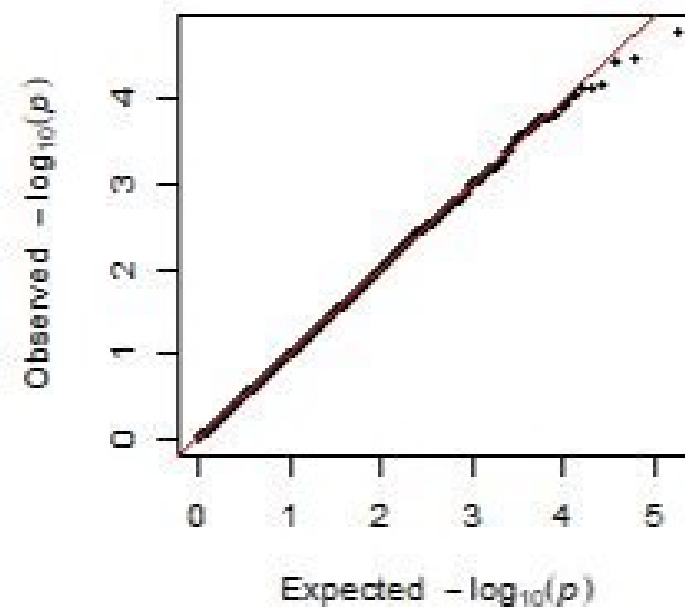
Accounting only for structure



Accounting only for kinship

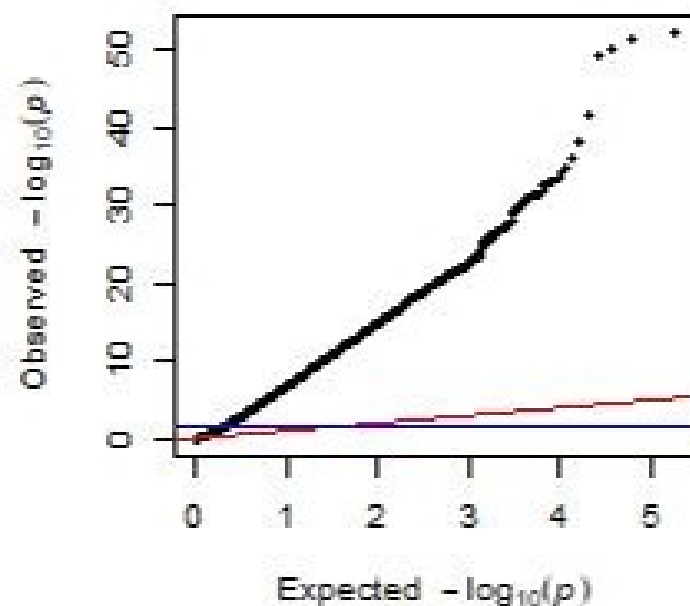


Accounting for kinship and structure

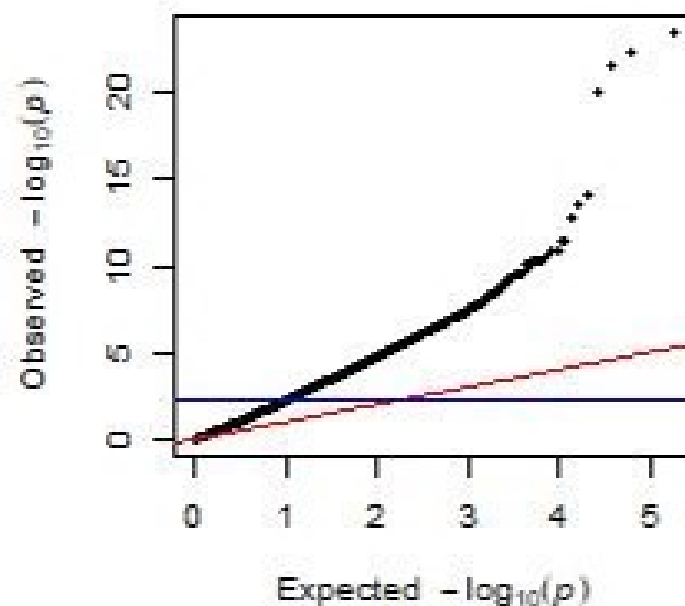


# trait: resCHs300\_po16

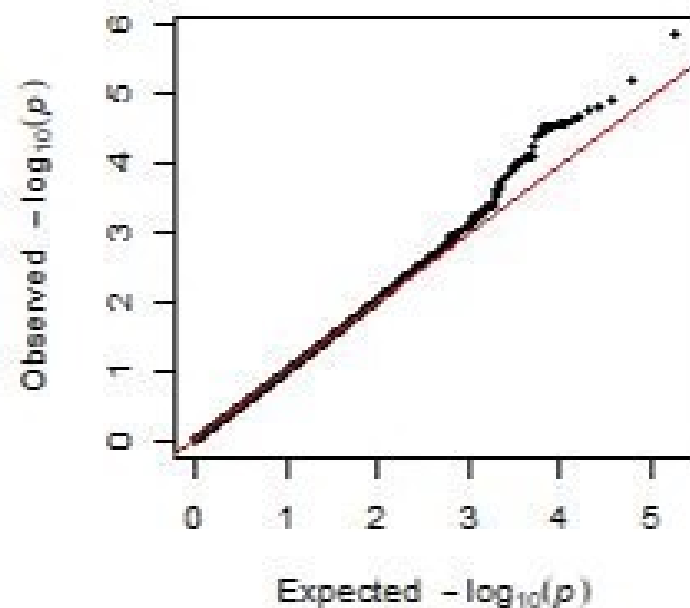
No accounting for kinship or structure



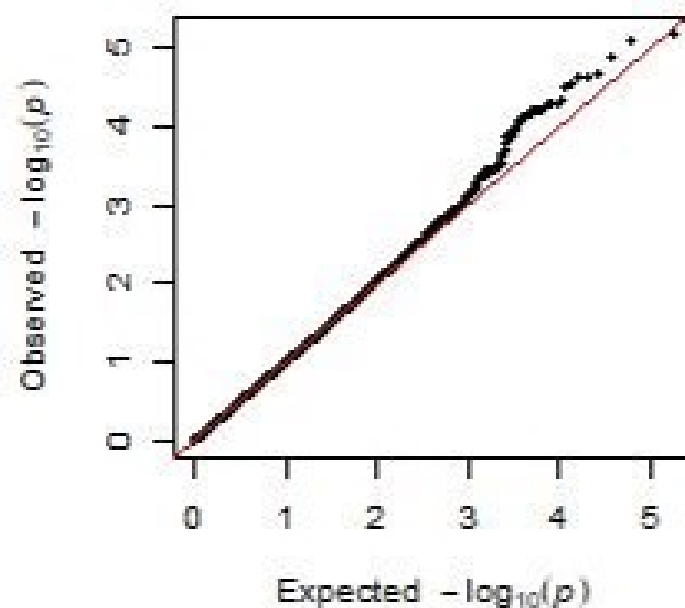
Accounting only for structure



Accounting only for kinship



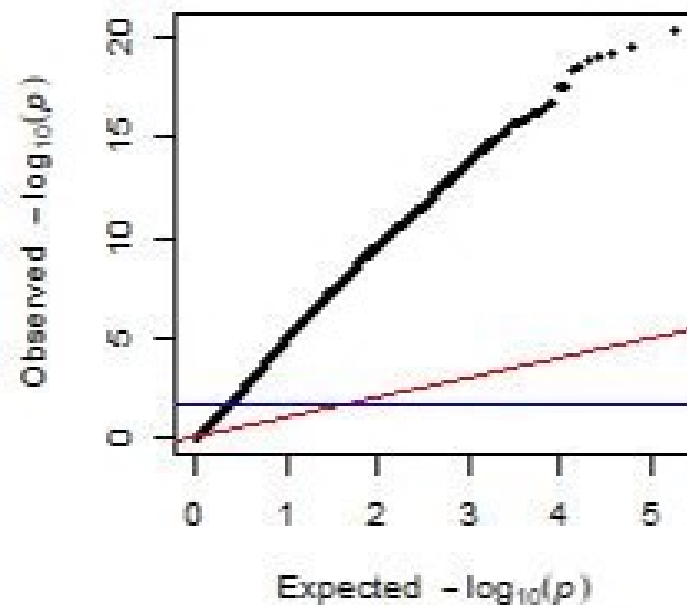
Accounting for kinship and structure



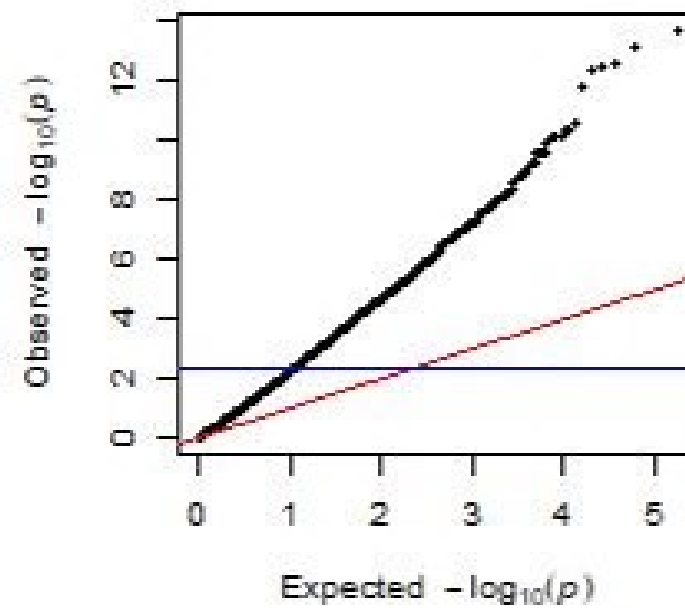


# trait: resCHs300\_po17

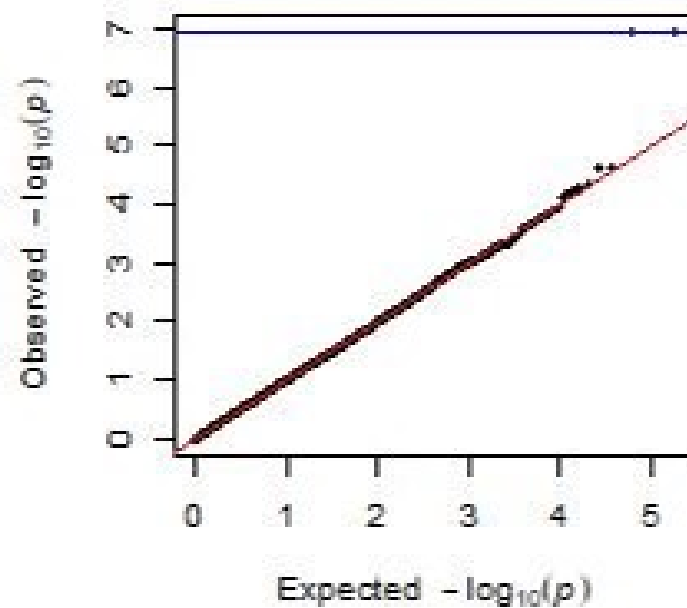
No accounting for kinship or structure



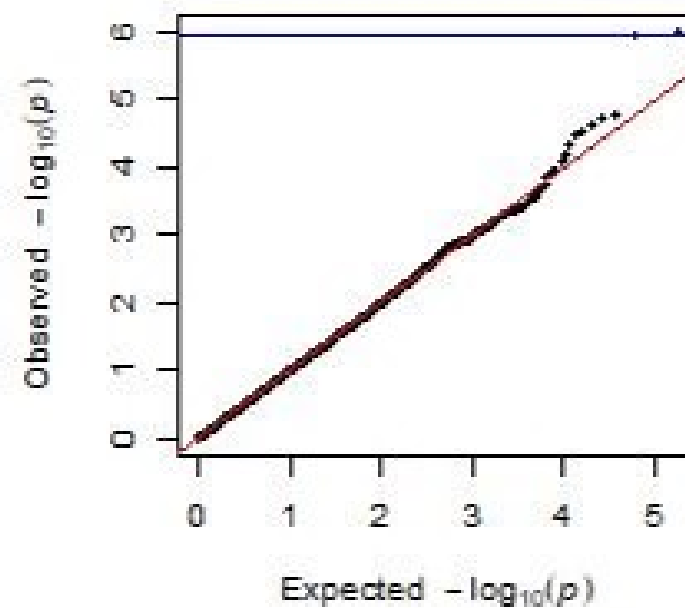
Accounting only for structure



Accounting only for kinship

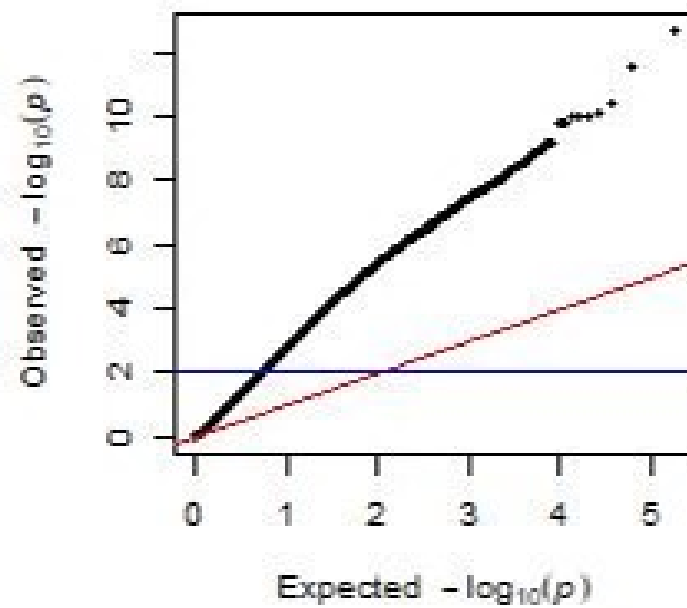


Accounting for kinship and structure

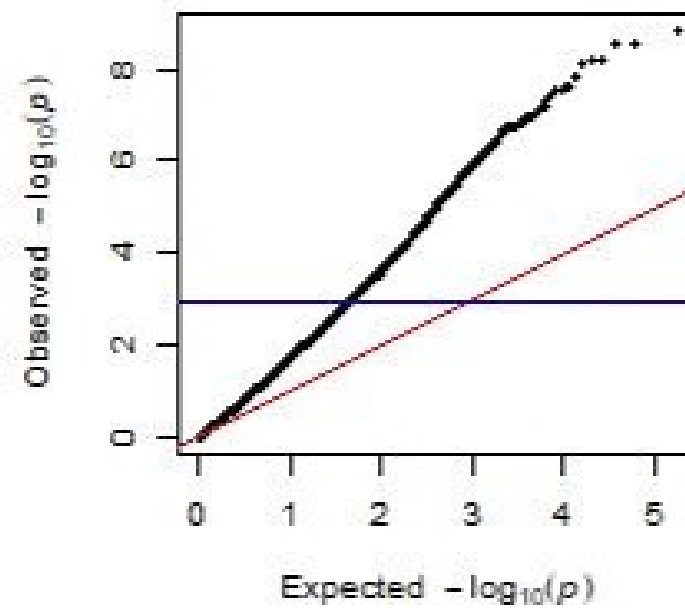


# trait: resCHs500\_lu16

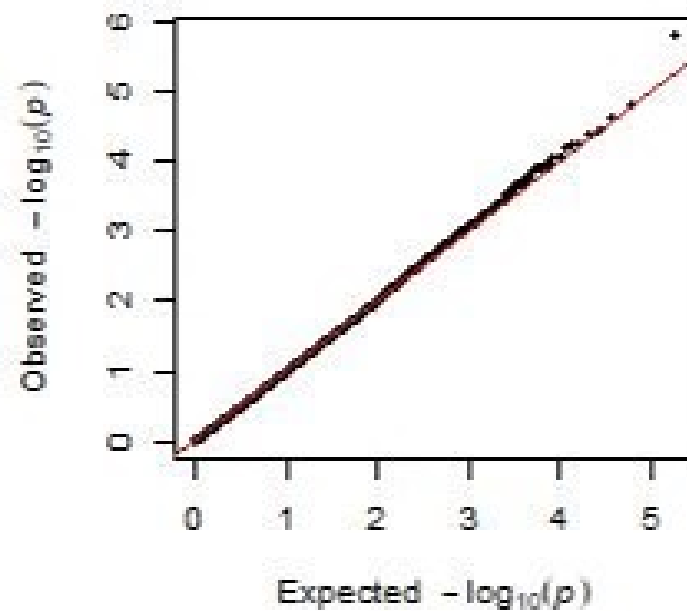
No accounting for kinship or structure



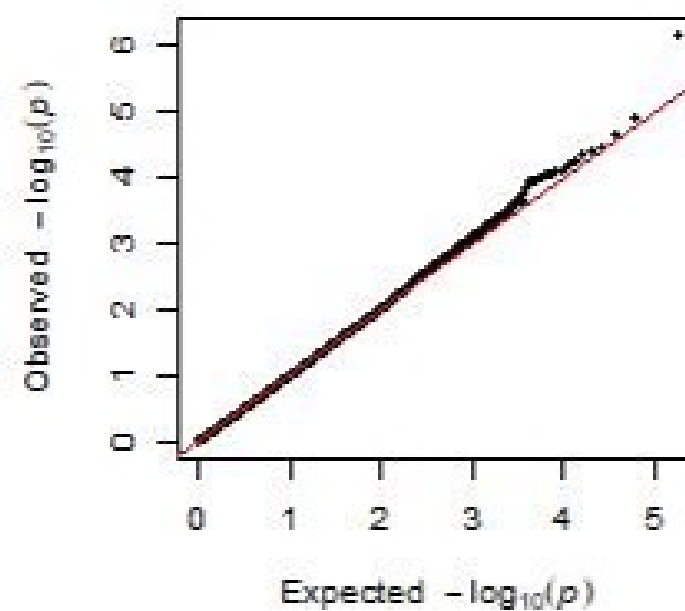
Accounting only for structure



Accounting only for kinship

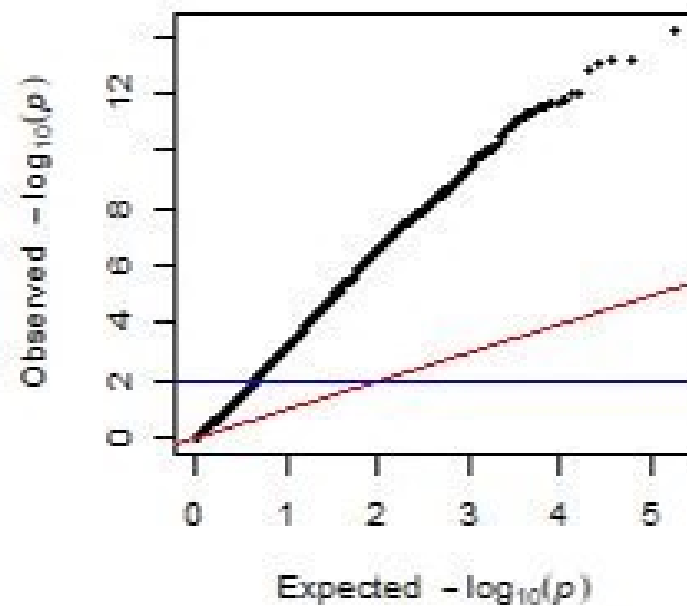


Accounting for kinship and structure

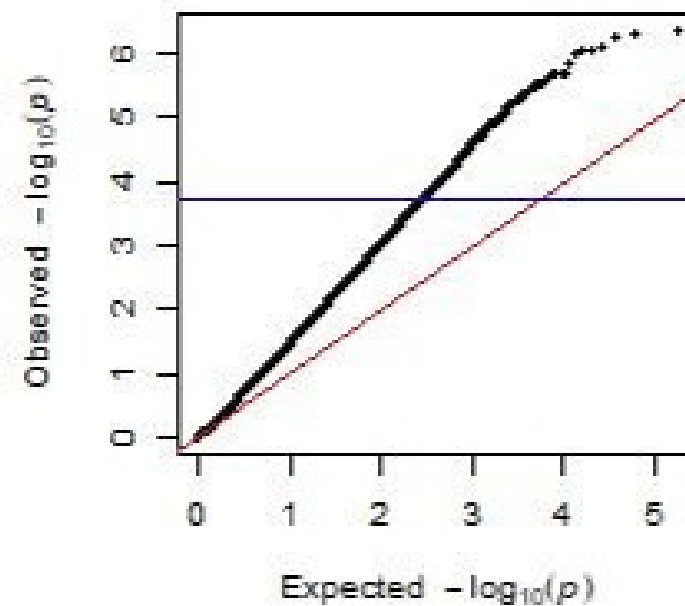


# trait: resCHs500\_lu17

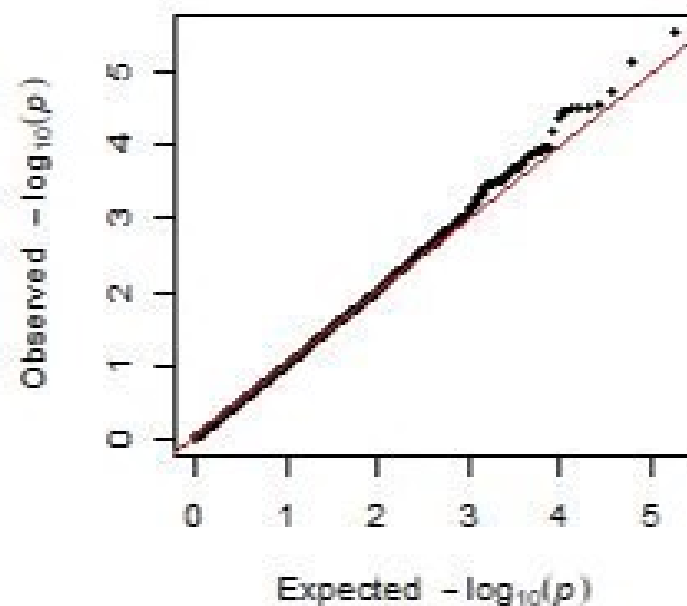
No accounting for kinship or structure



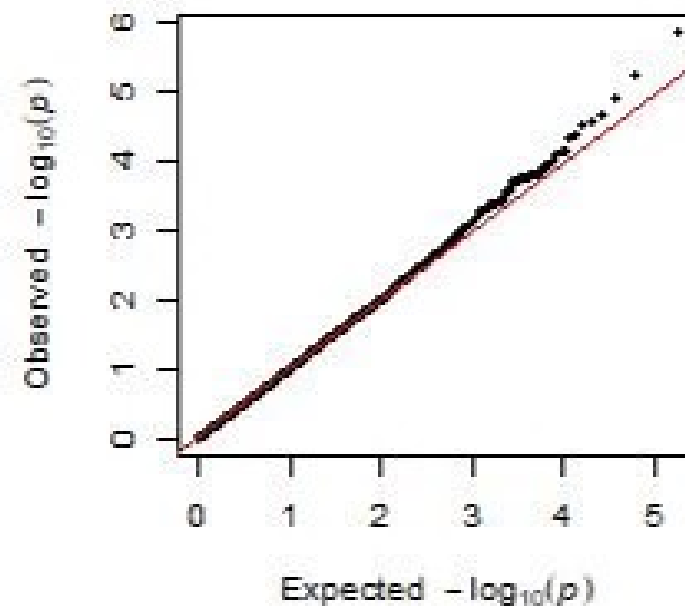
Accounting only for structure



Accounting only for kinship

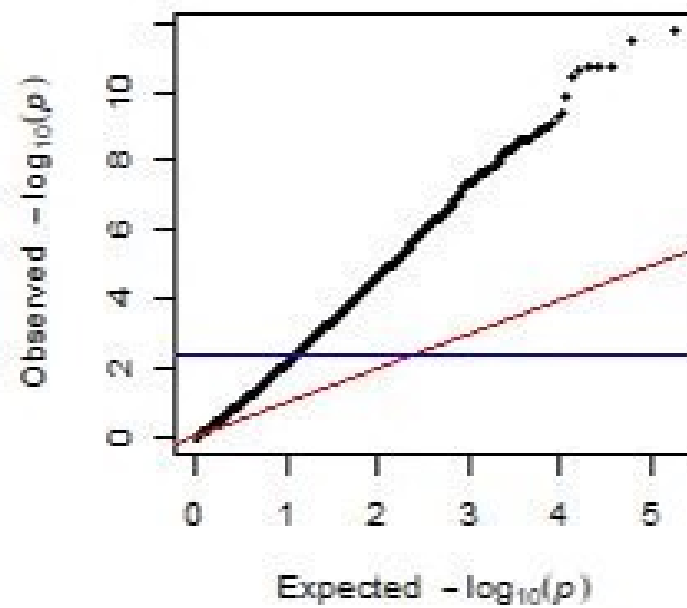


Accounting for kinship and structure

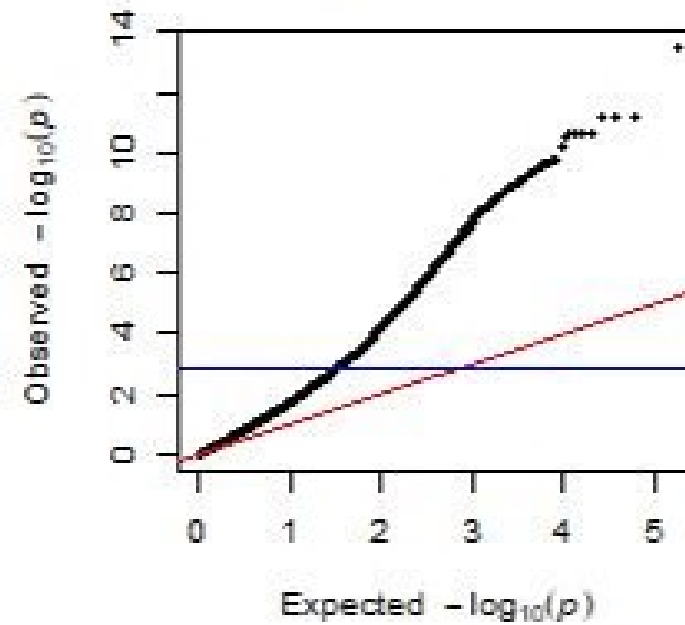


# trait: resCHs500\_me16

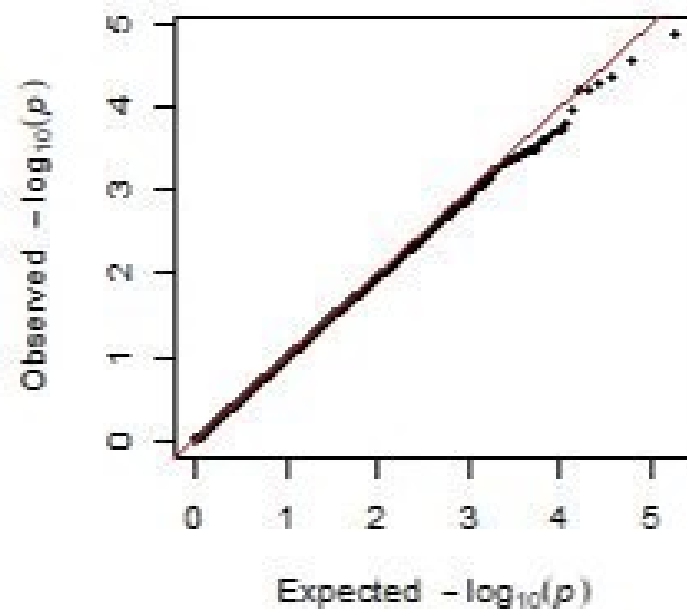
No accounting for kinship or structure



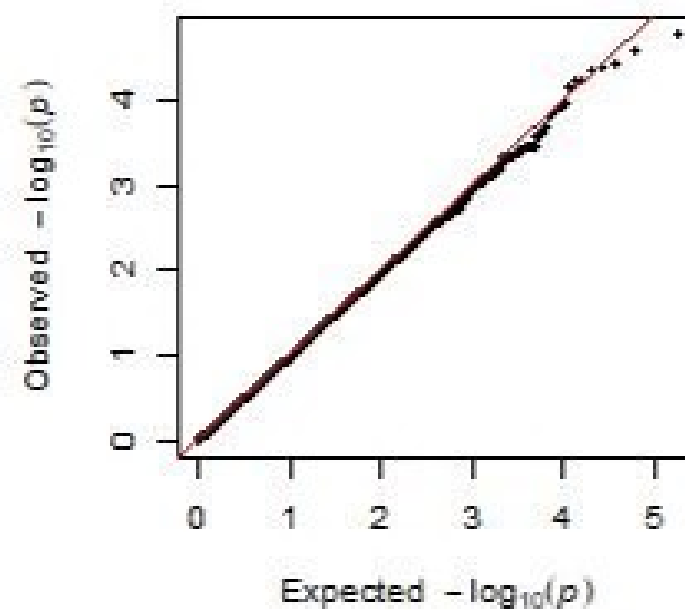
Accounting only for structure



Accounting only for kinship

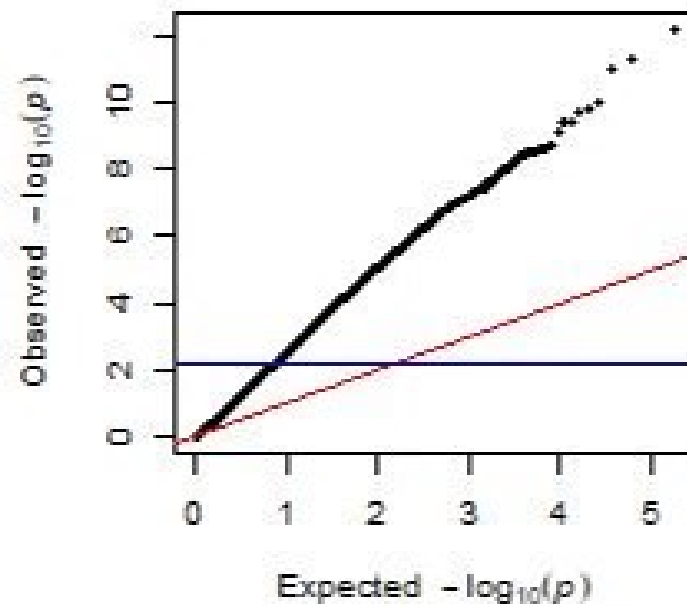


Accounting for kinship and structure

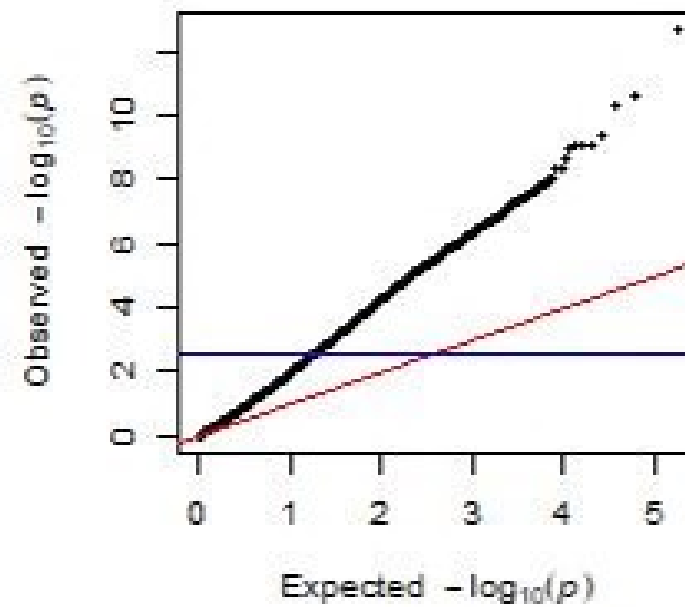


# trait: resCHs500\_me17

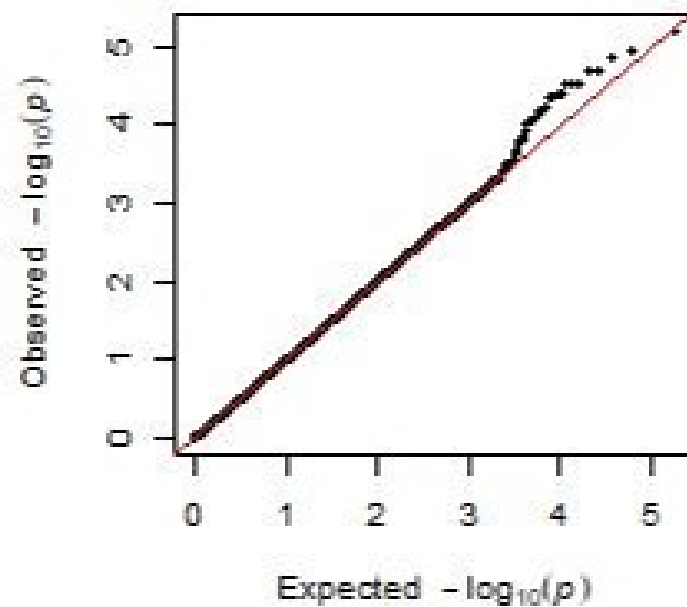
No accounting for kinship or structure



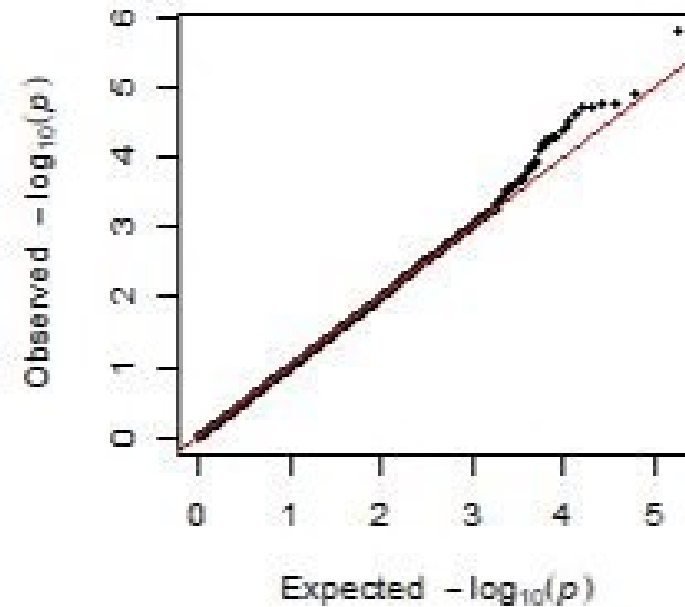
Accounting only for structure



Accounting only for kinship

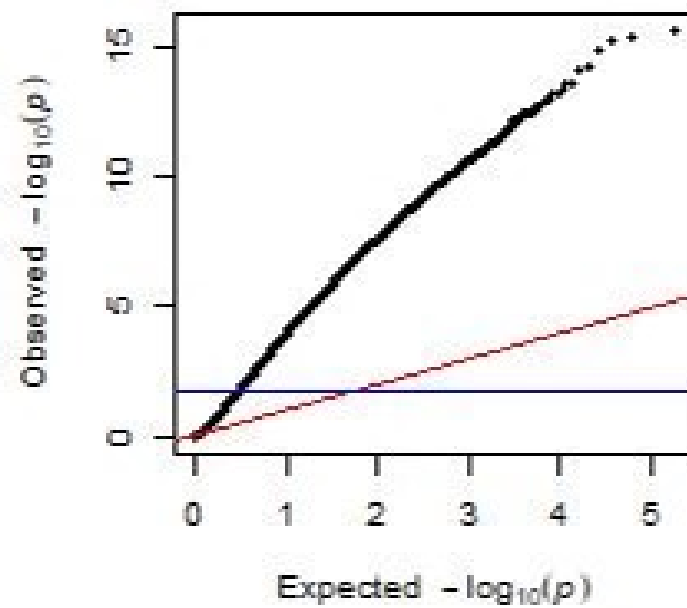


Accounting for kinship and structure

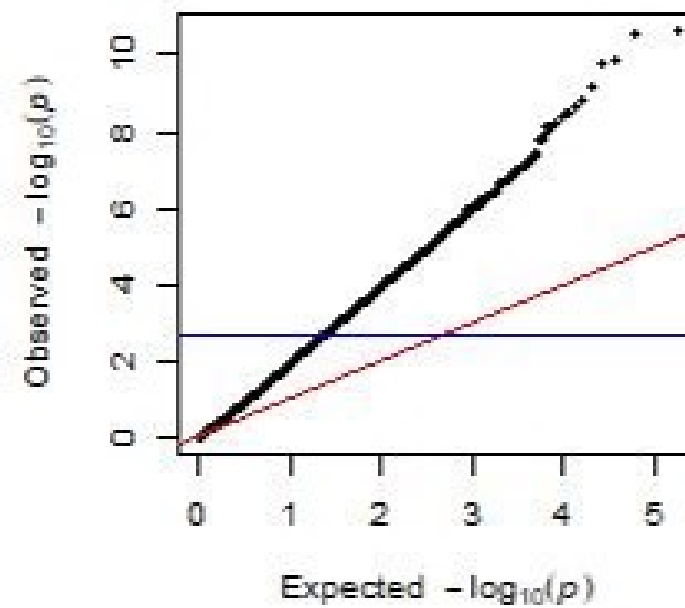


# trait: resCHs500\_po17

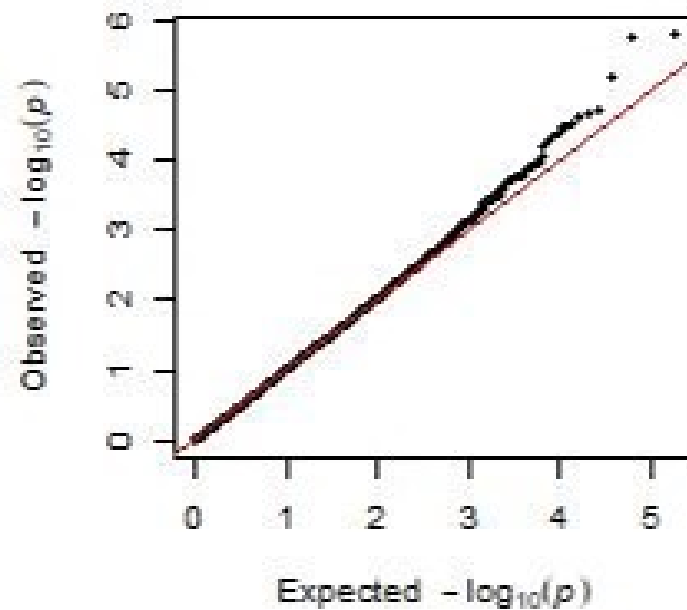
No accounting for kinship or structure



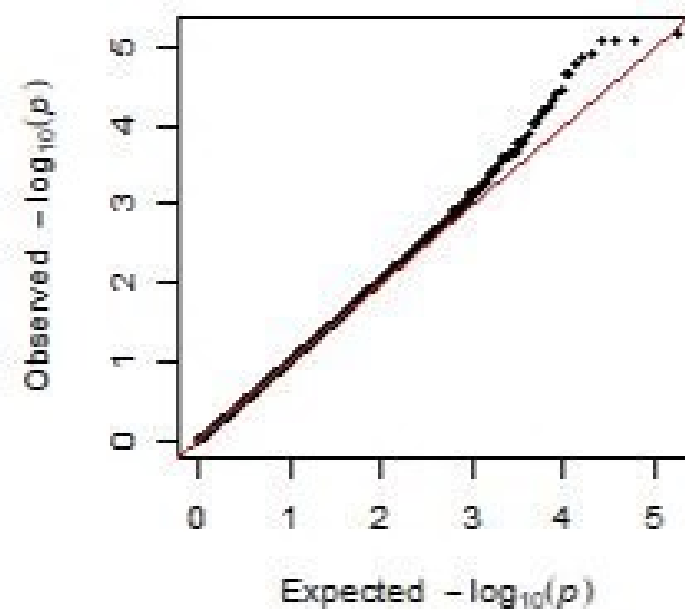
Accounting only for structure



Accounting only for kinship

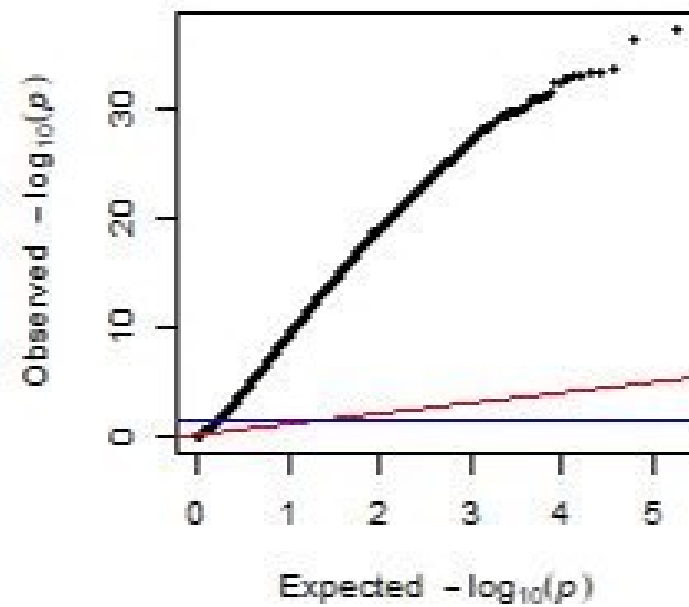


Accounting for kinship and structure

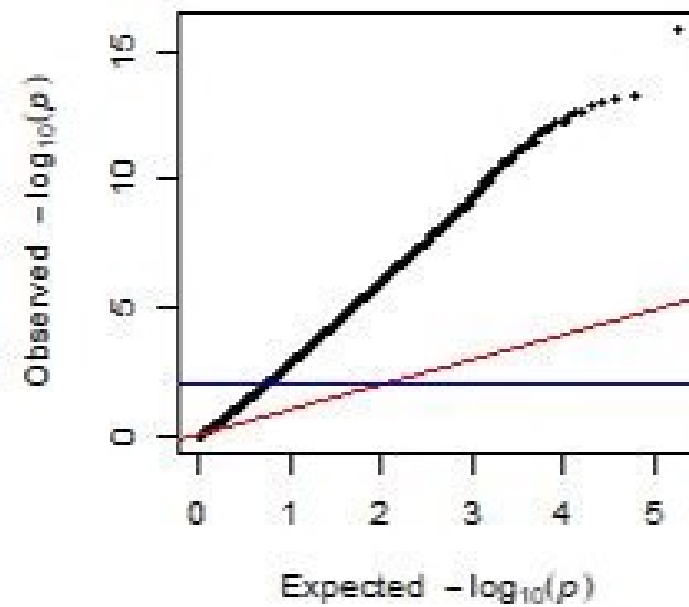


# trait: resDST\_lu17

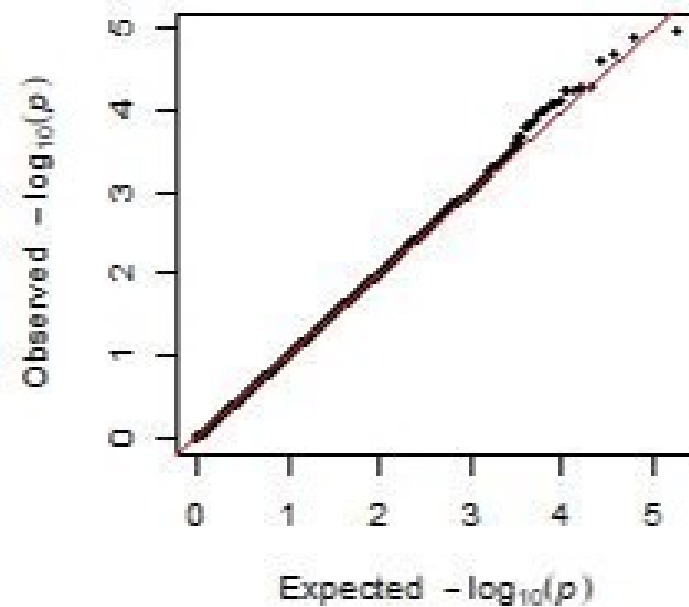
No accounting for kinship or structure



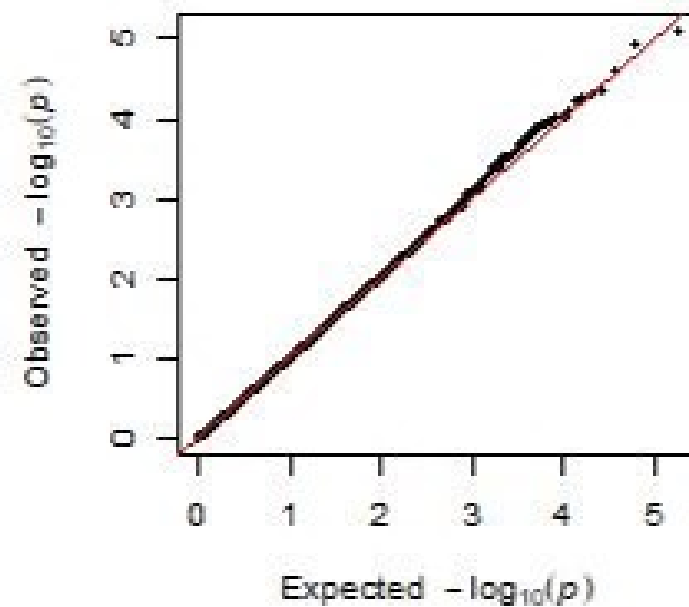
Accounting only for structure



Accounting only for kinship

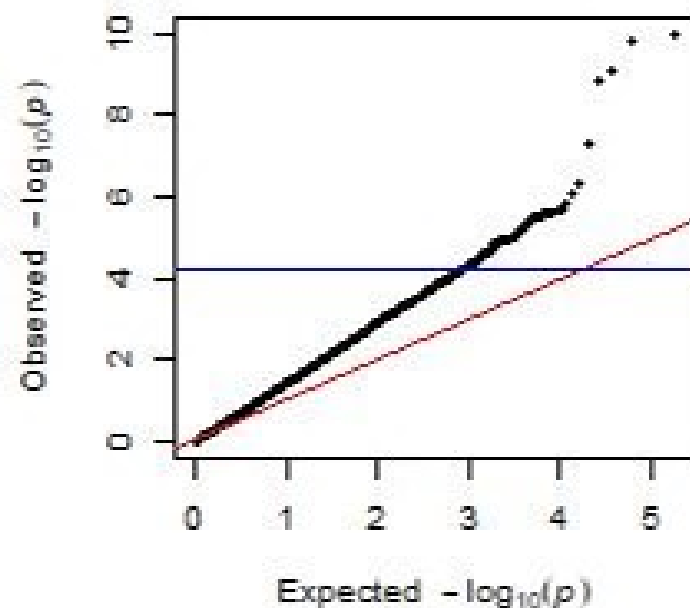


Accounting for kinship and structure

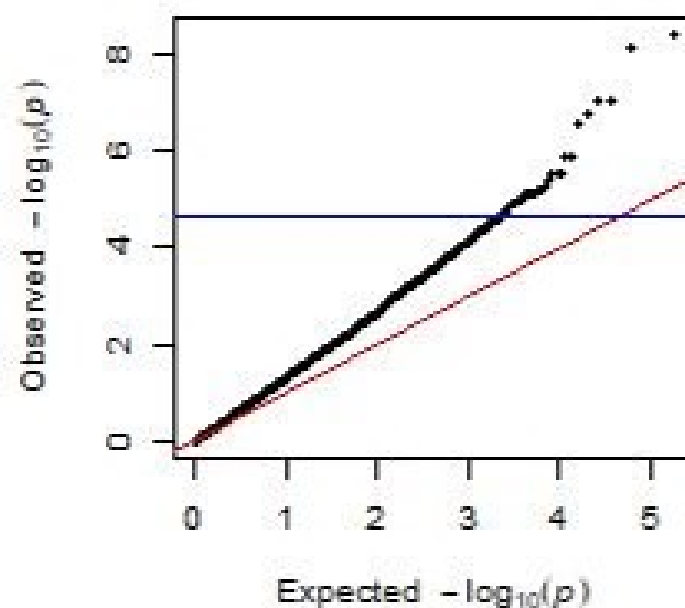


# trait: SCD\_15to17\_po

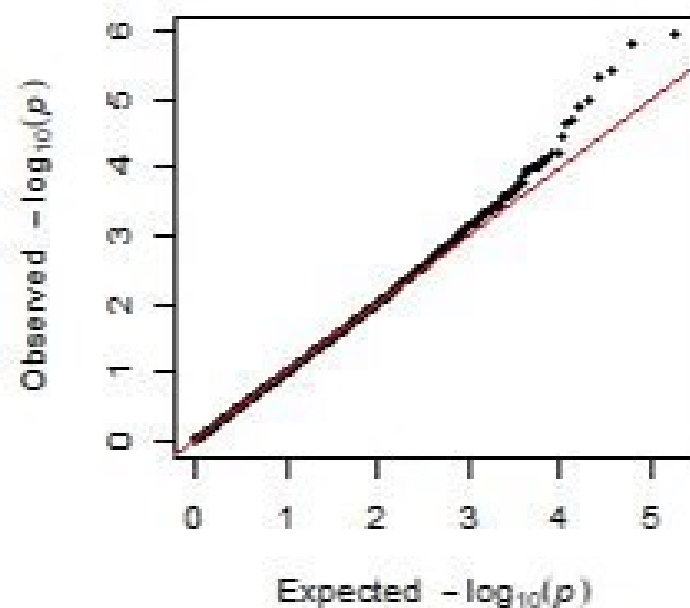
No accounting for kinship or structure



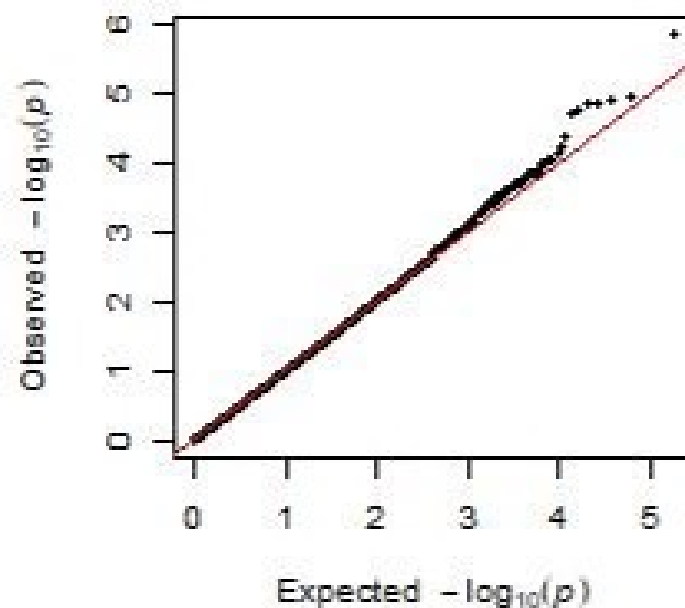
Accounting only for structure



Accounting only for kinship



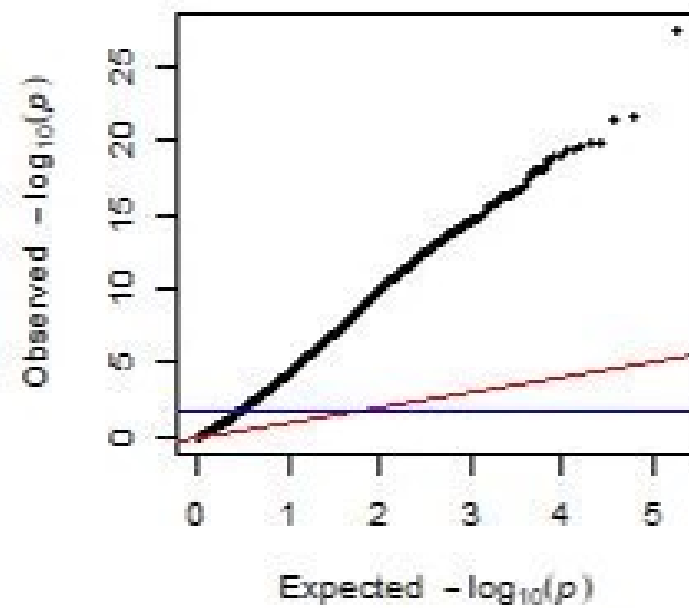
Accounting for kinship and structure



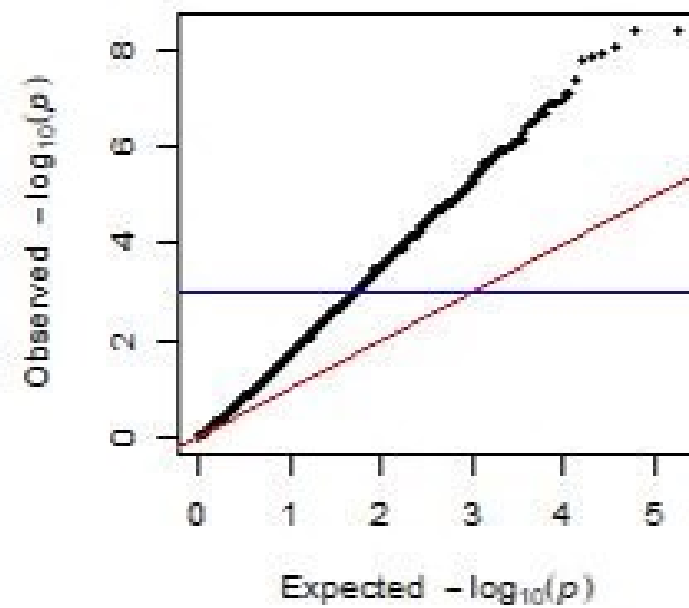


# trait: SCD\_15to18\_lu

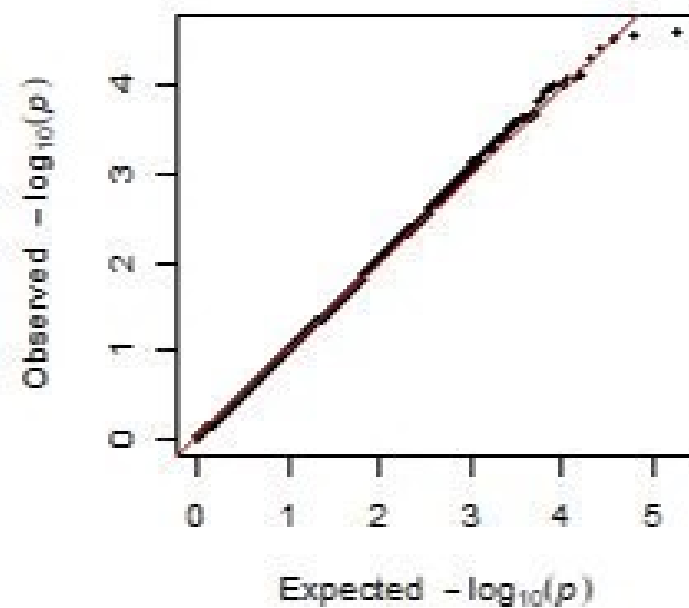
No accounting for kinship or structure



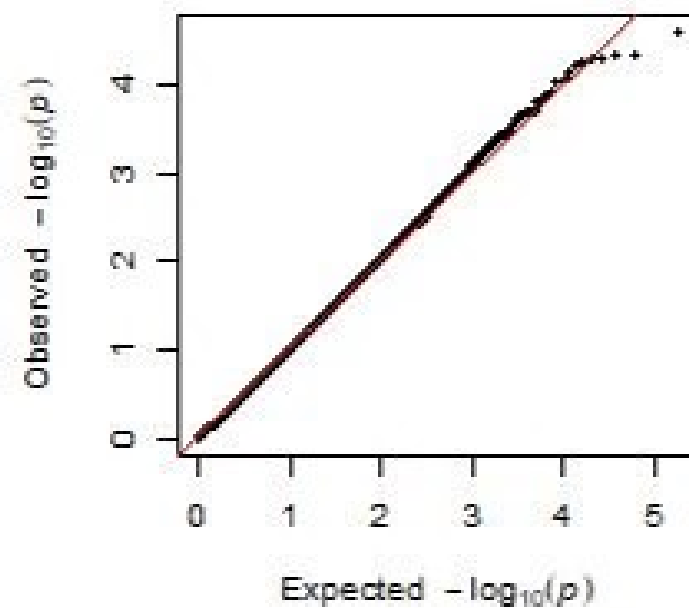
Accounting only for structure



Accounting only for kinship

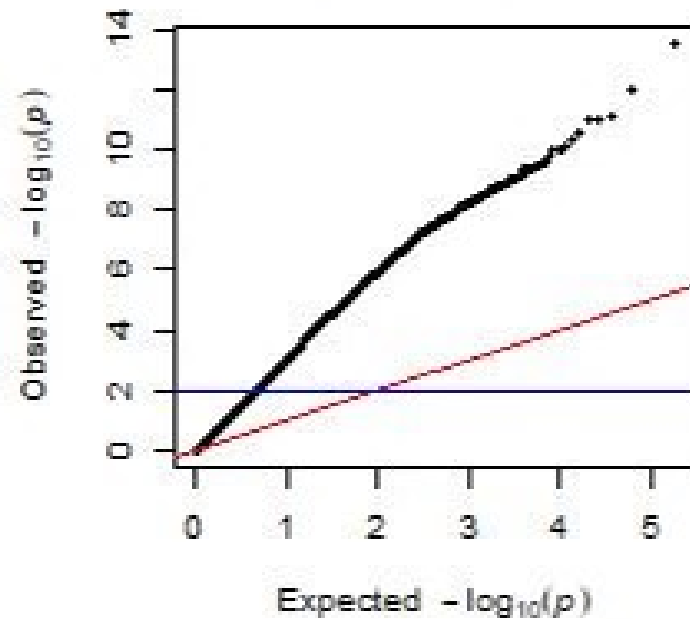


Accounting for kinship and structure

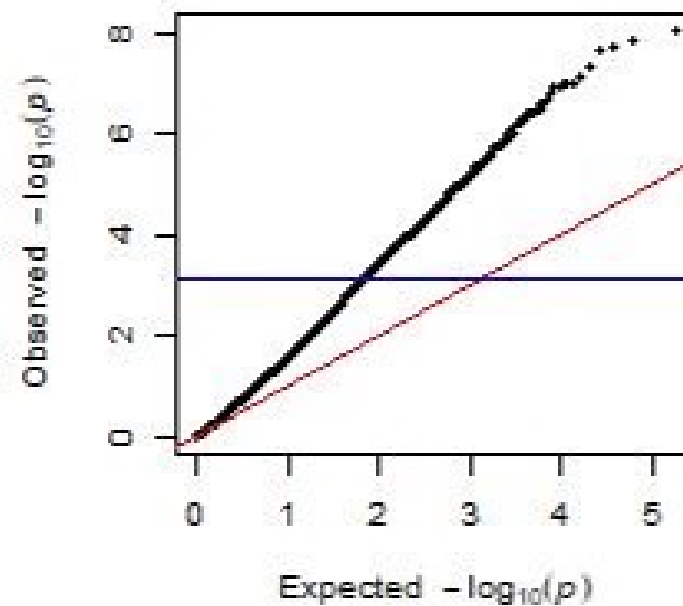


# trait: SCD\_16to17\_me

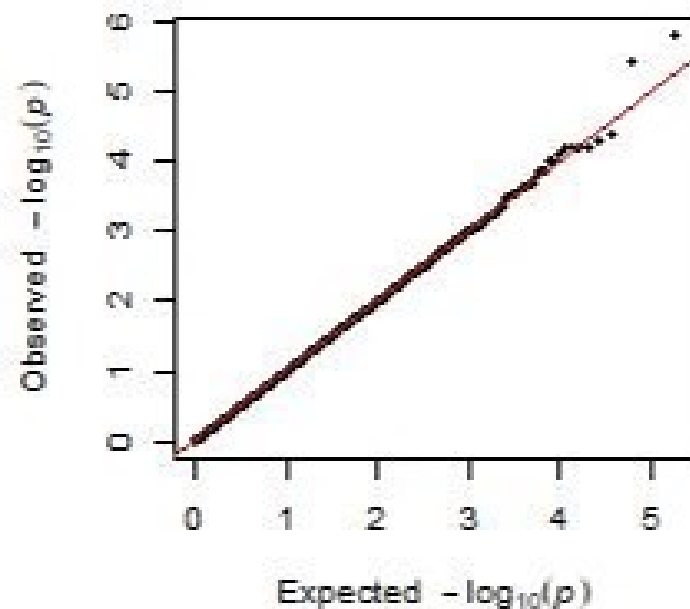
No accounting for kinship or structure



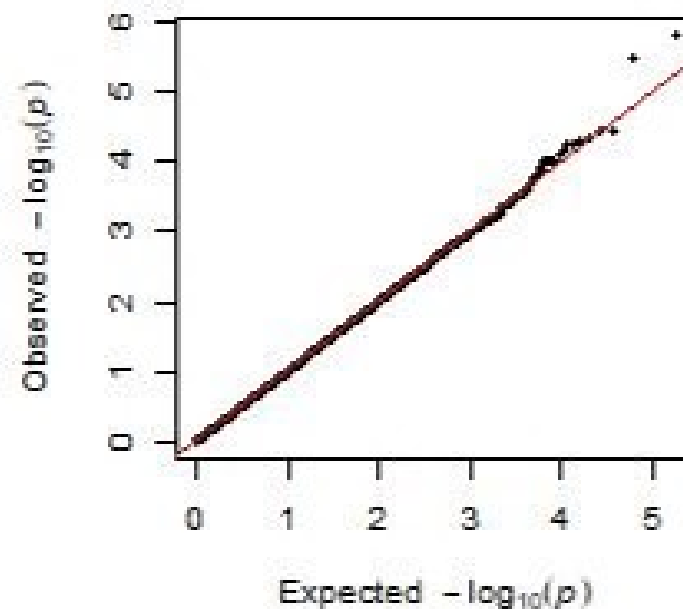
Accounting only for structure



Accounting only for kinship

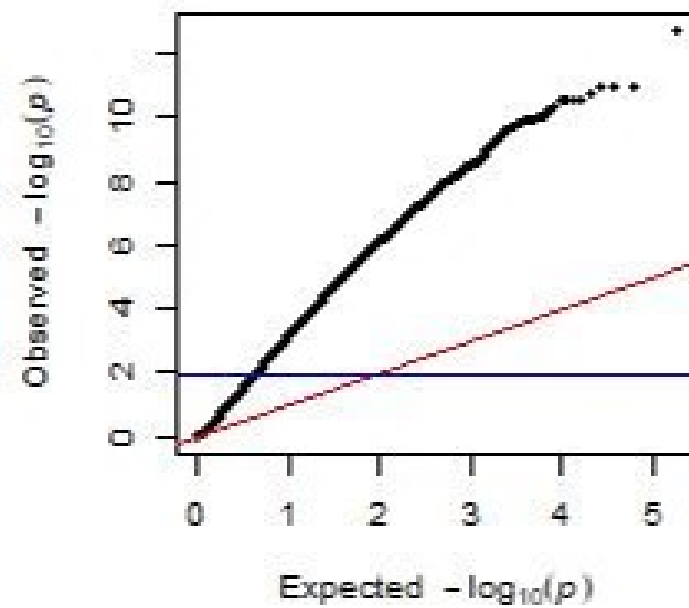


Accounting for kinship and structure

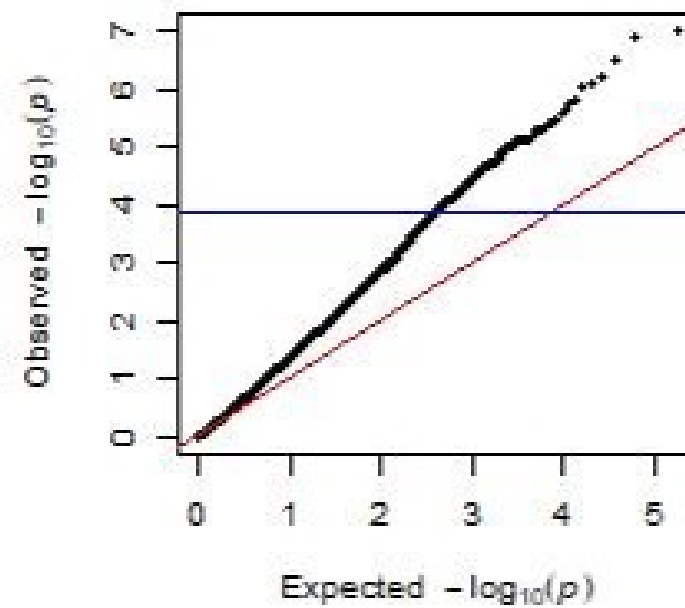


# trait: SCD\_su15\_lu

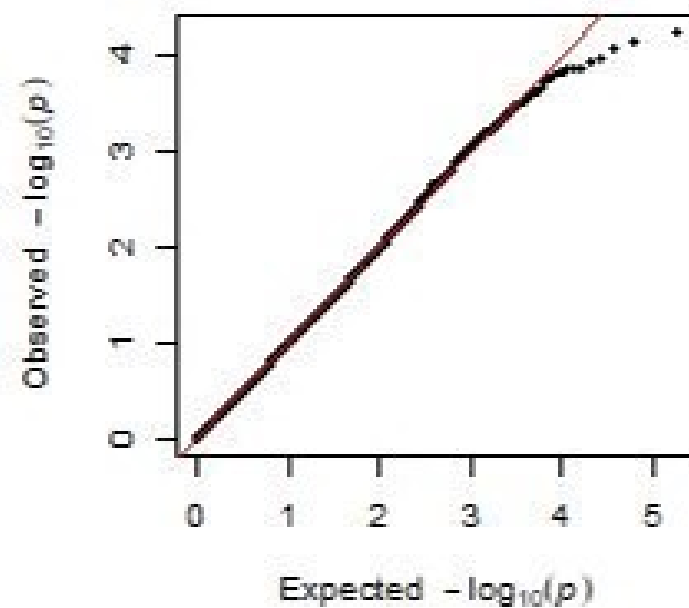
No accounting for kinship or structure



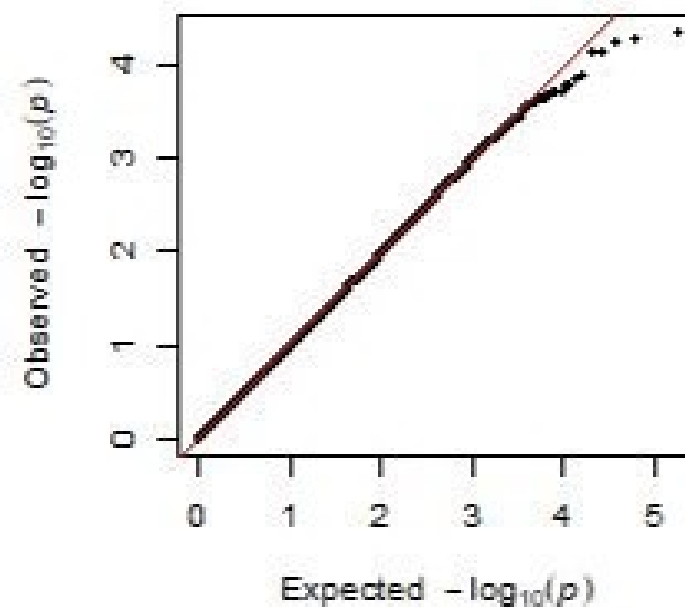
Accounting only for structure



Accounting only for kinship

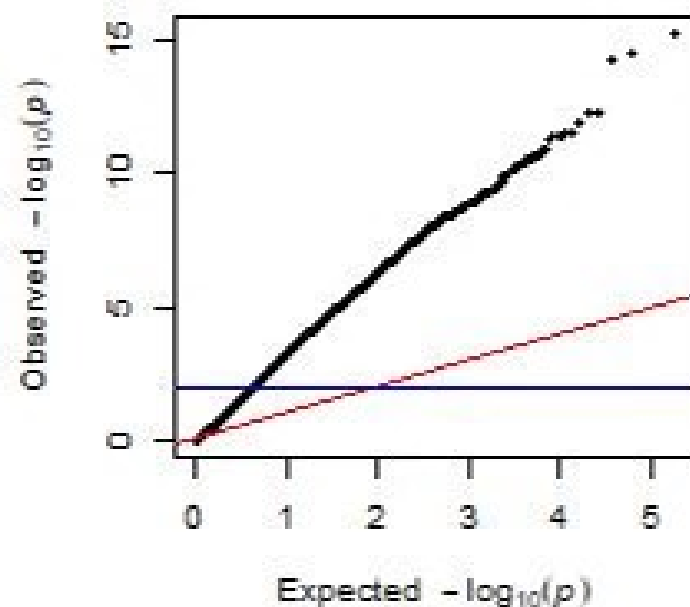


Accounting for kinship and structure

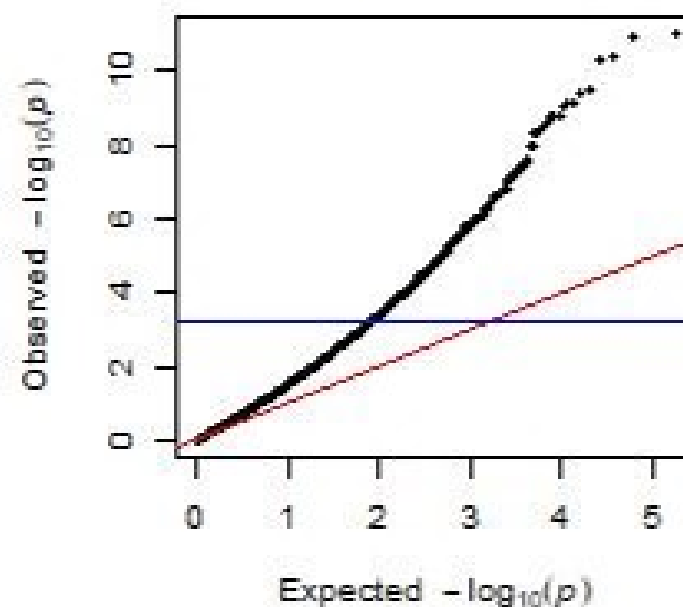


# trait: SCD\_su16\_lu

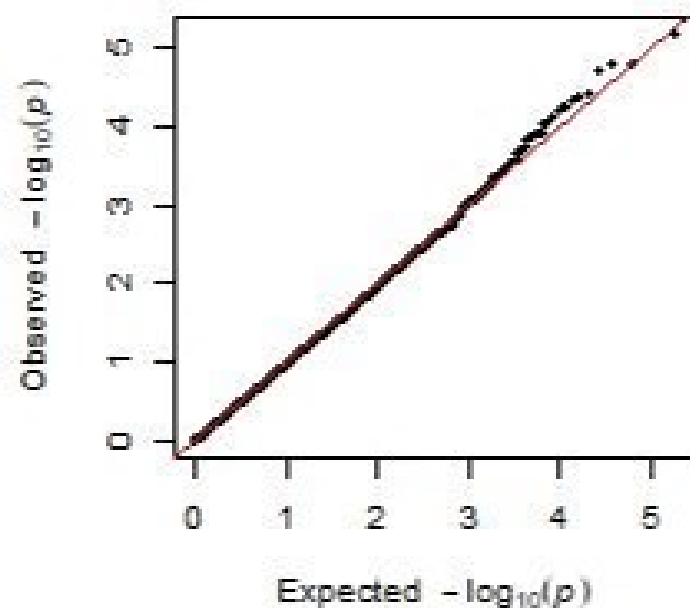
No accounting for kinship or structure



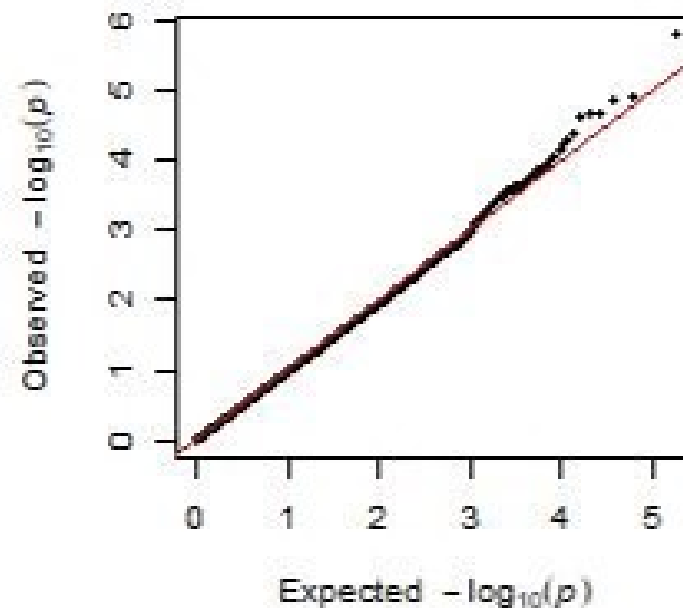
Accounting only for structure



Accounting only for kinship

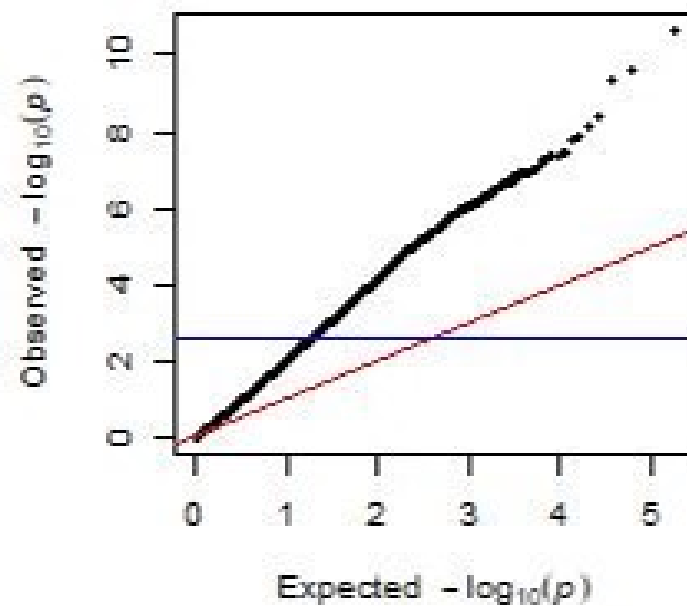


Accounting for kinship and structure

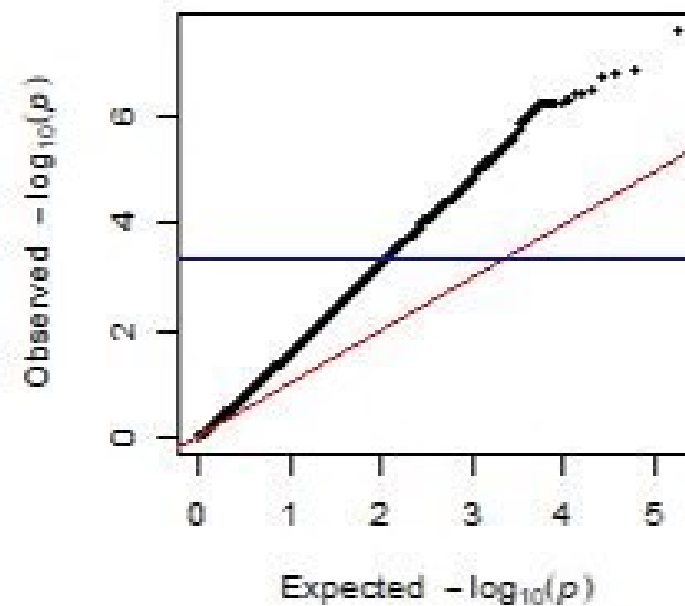


# trait: SCD\_su17\_lu

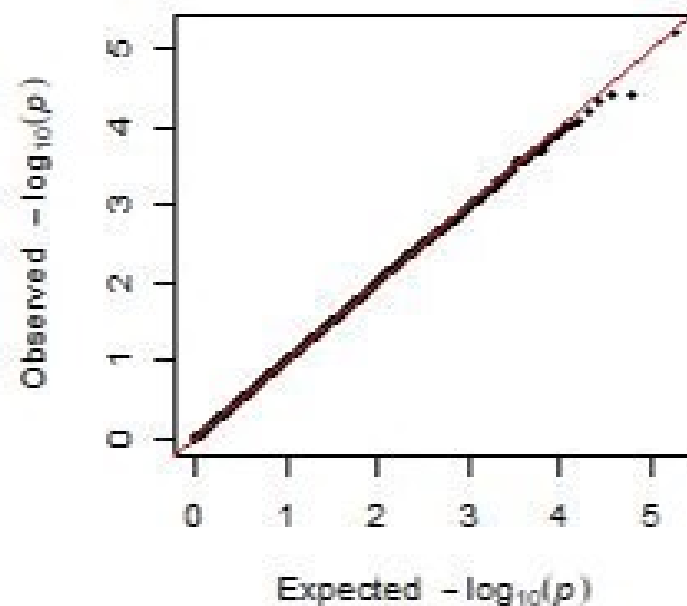
No accounting for kinship or structure



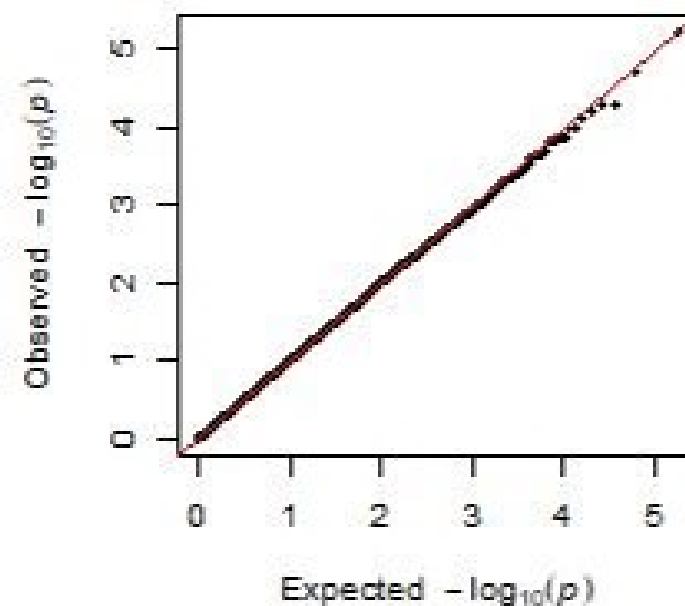
Accounting only for structure



Accounting only for kinship

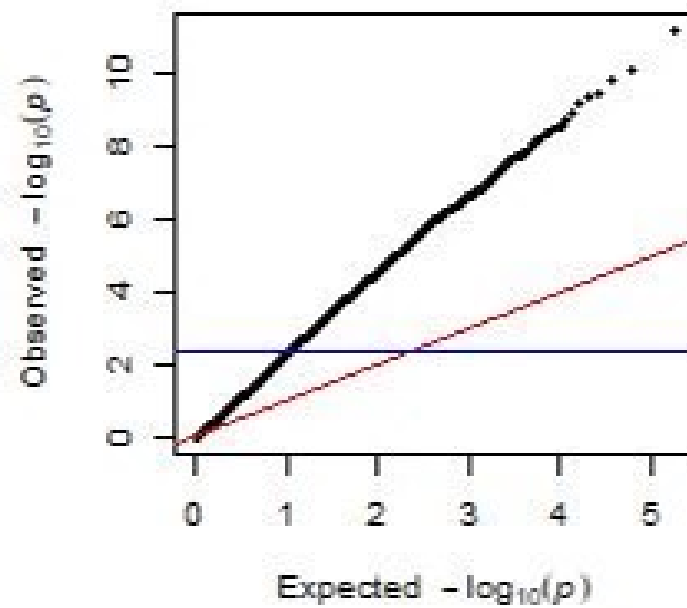


Accounting for kinship and structure

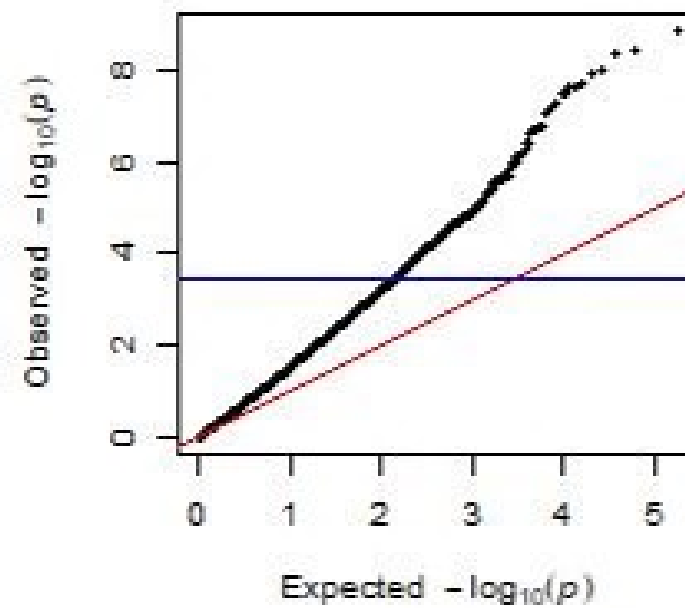


# trait: SCD\_su17\_me

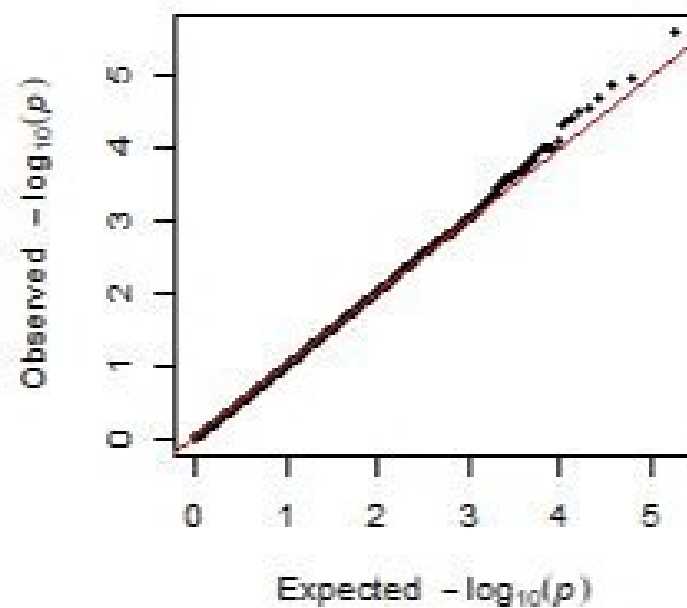
No accounting for kinship or structure



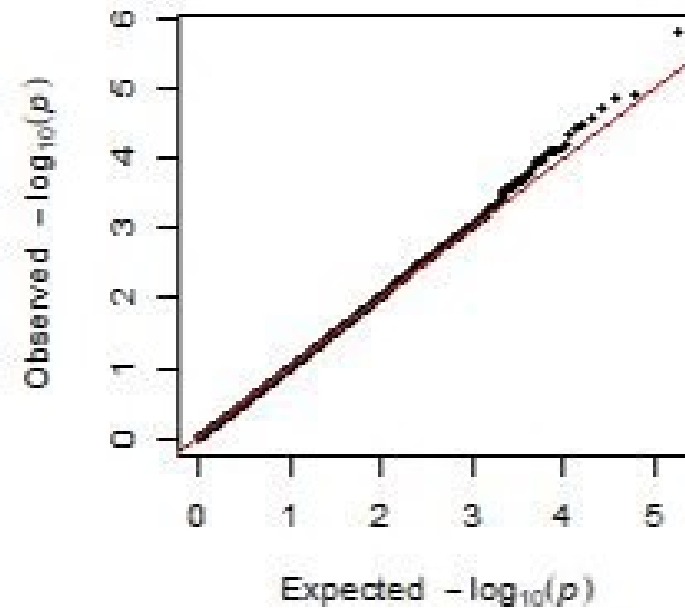
Accounting only for structure



Accounting only for kinship

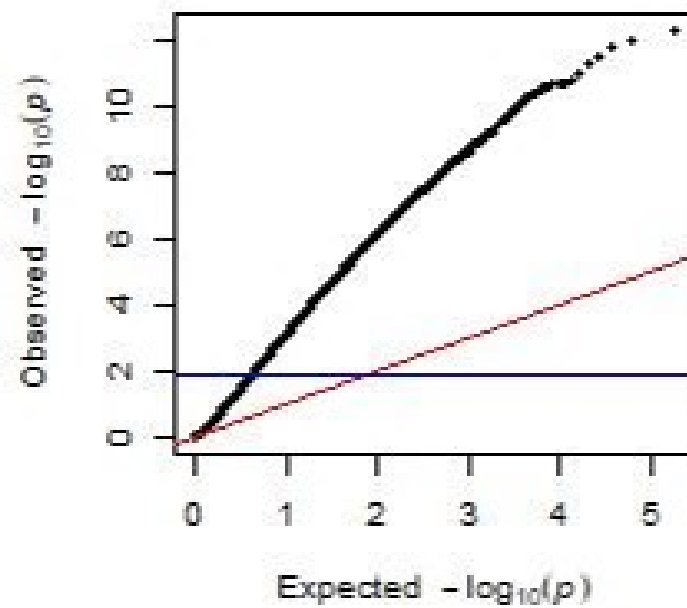


Accounting for kinship and structure

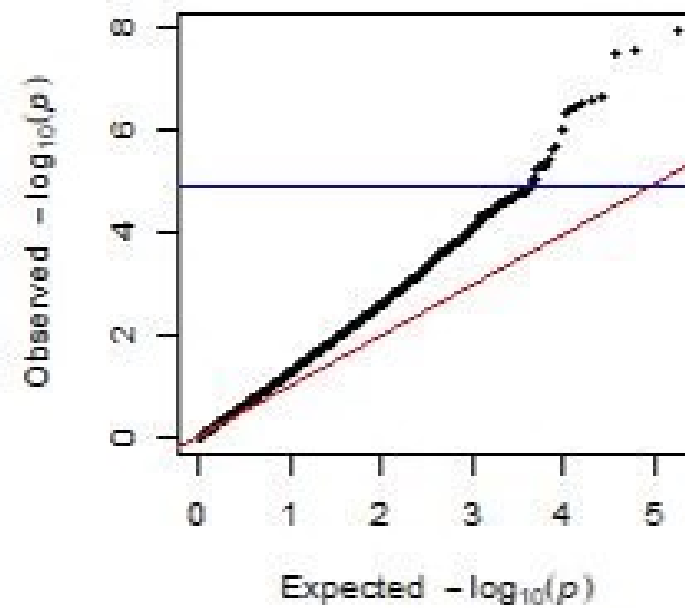


# trait: SCD\_wi1516\_lu

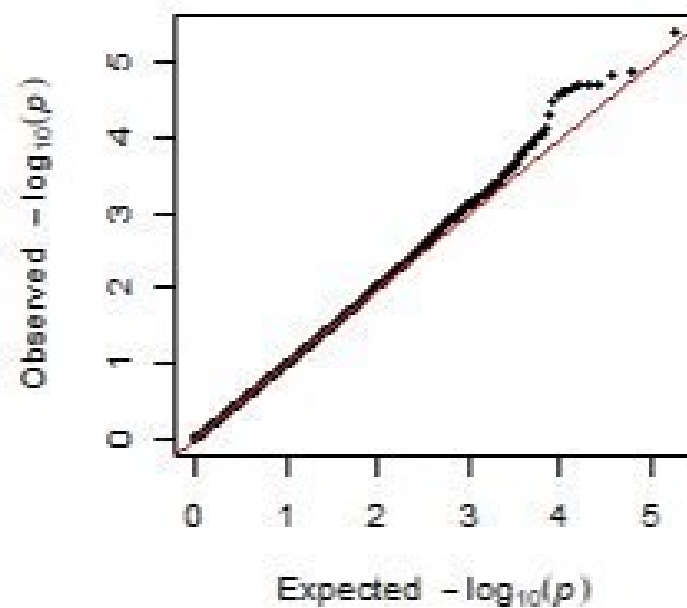
No accounting for kinship or structure



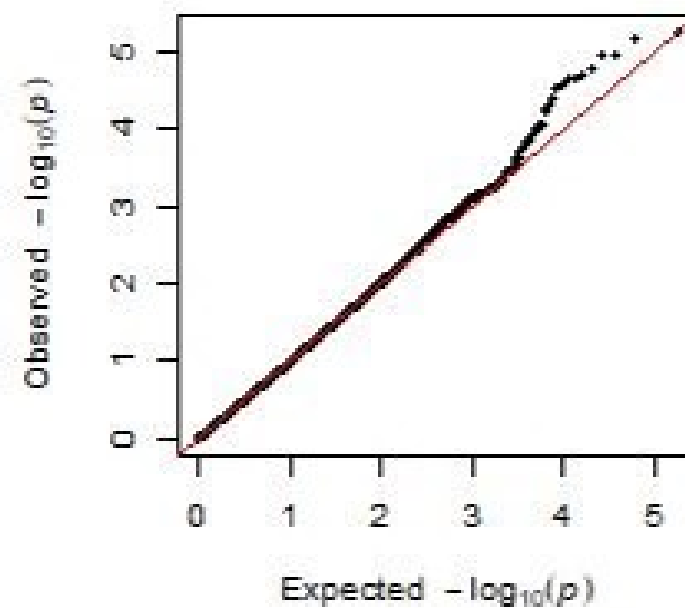
Accounting only for structure



Accounting only for kinship

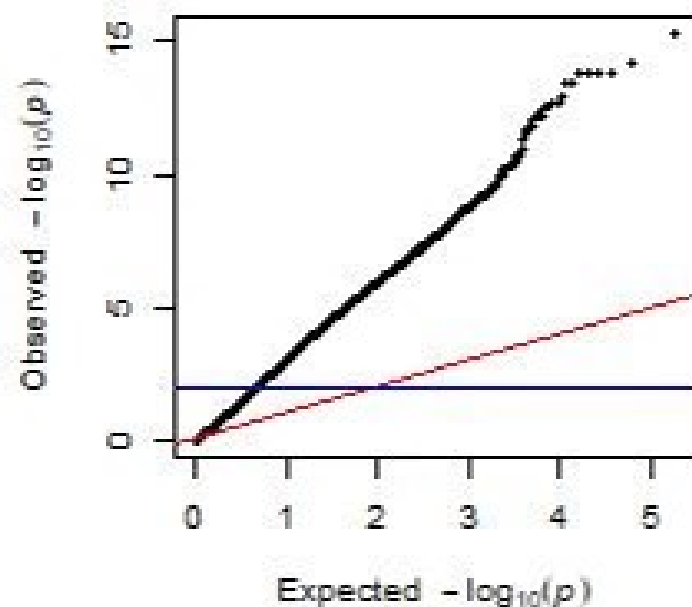


Accounting for kinship and structure

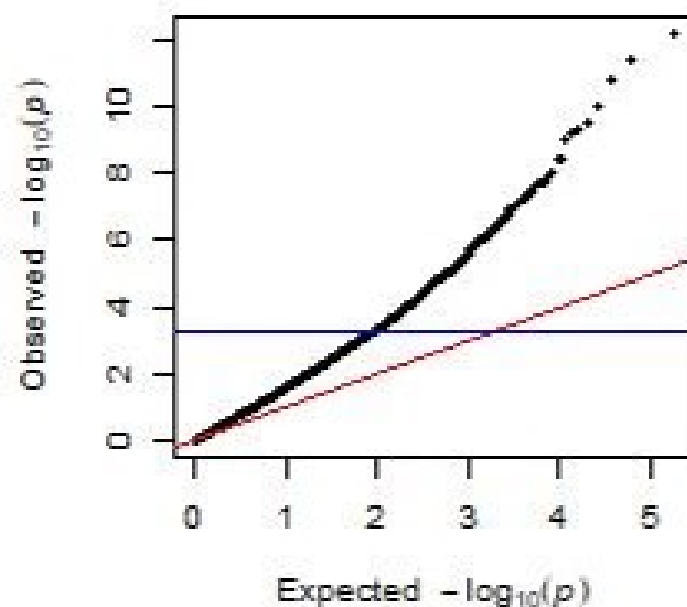


# trait: SCD\_wi1516\_po

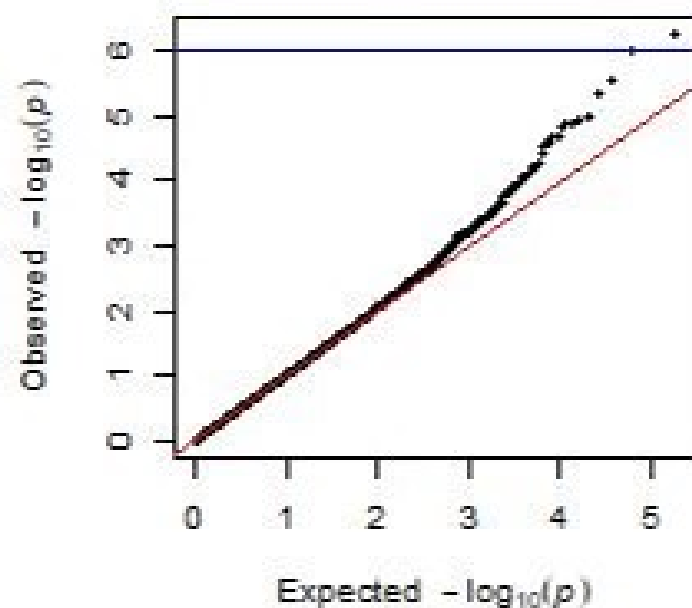
No accounting for kinship or structure



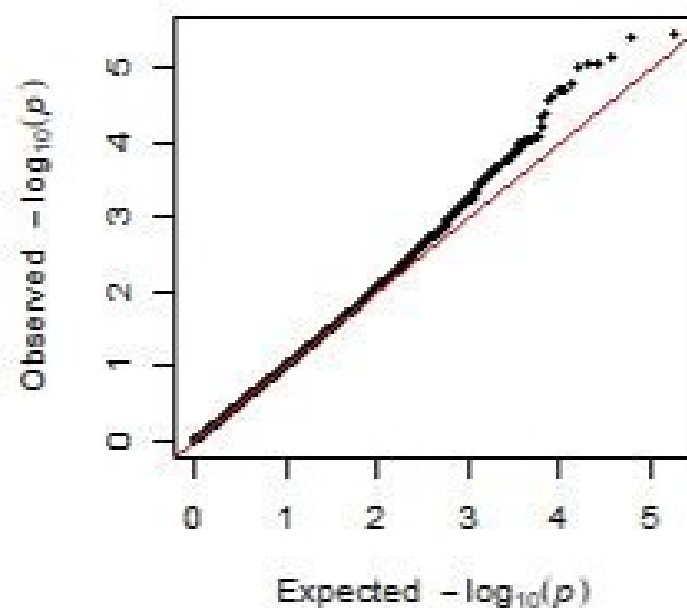
Accounting only for structure



Accounting only for kinship



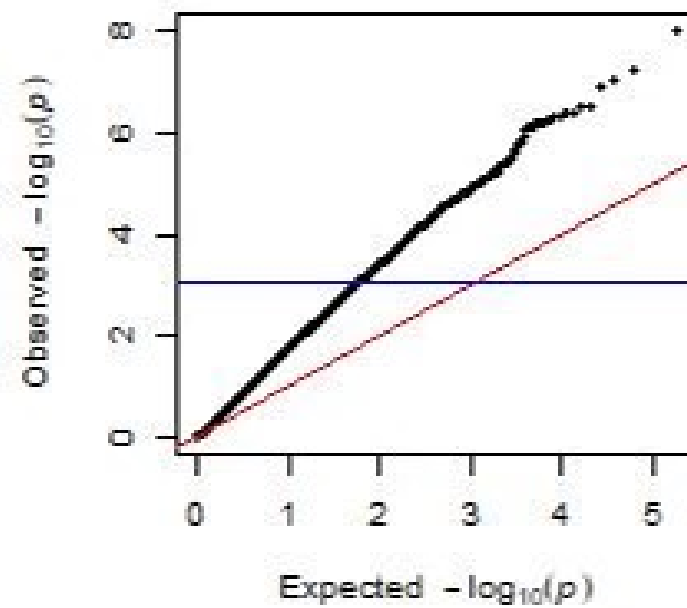
Accounting for kinship and structure



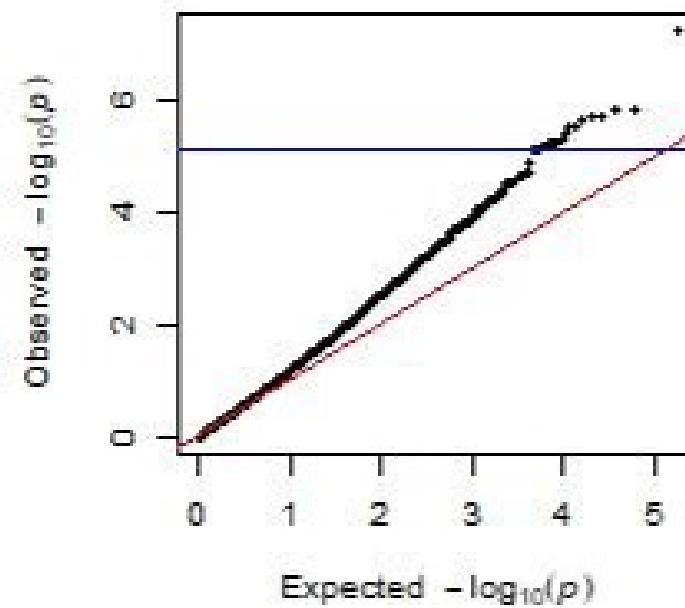


# trait: SCD\_wi1617\_lu

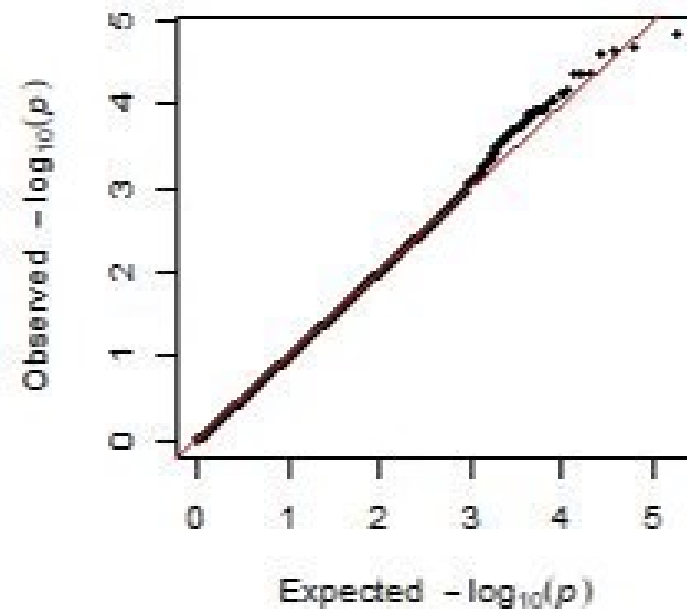
No accounting for kinship or structure



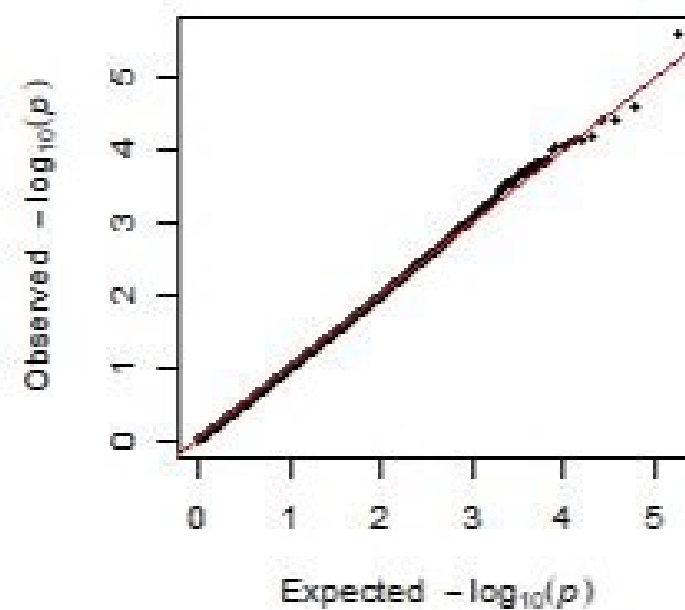
Accounting only for structure



Accounting only for kinship

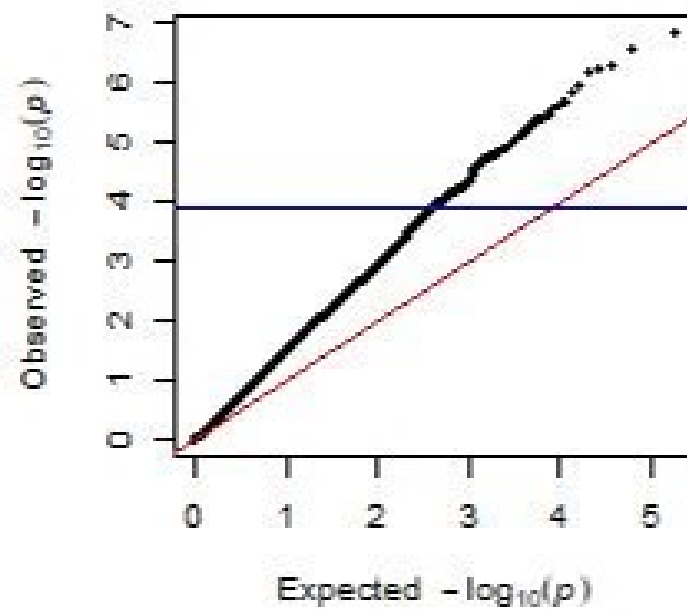


Accounting for kinship and structure

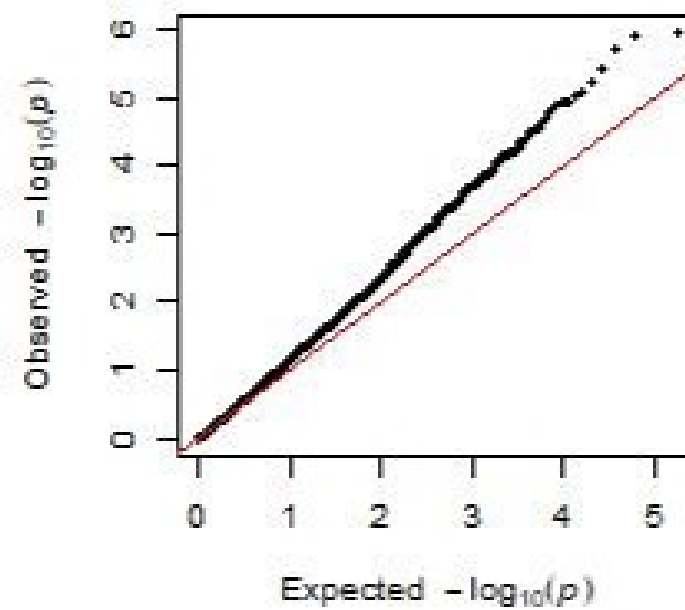


# trait: SCD\_wi1617\_me

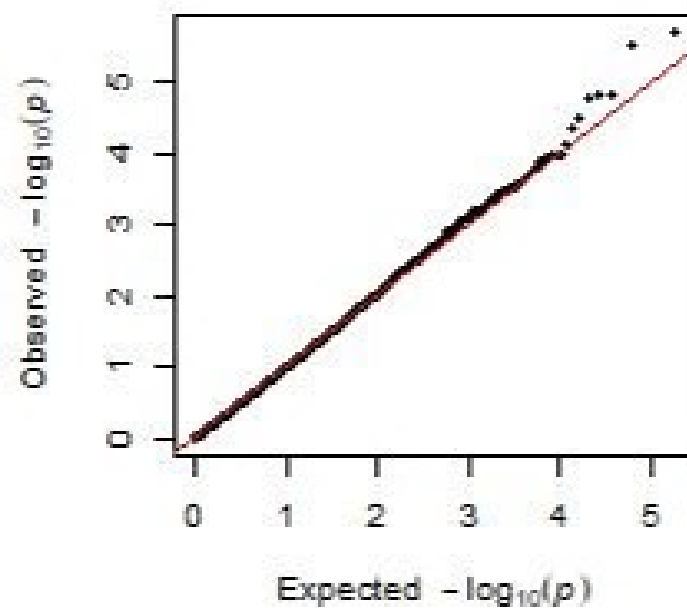
No accounting for kinship or structure



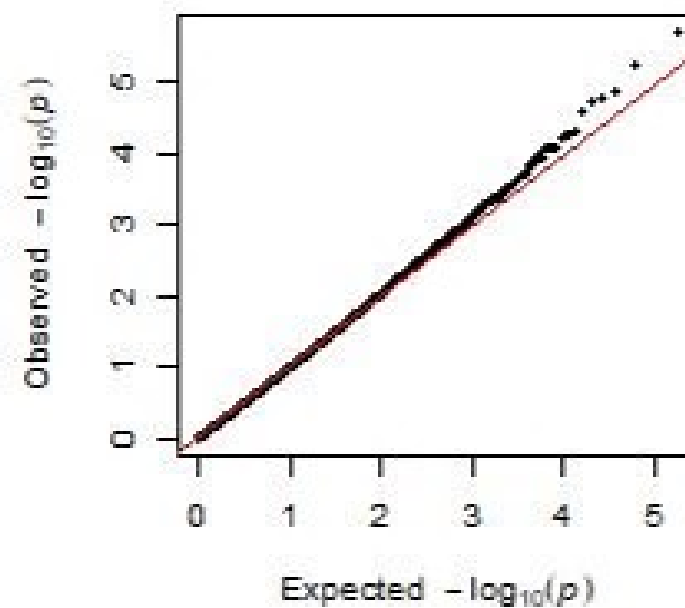
Accounting only for structure



Accounting only for kinship

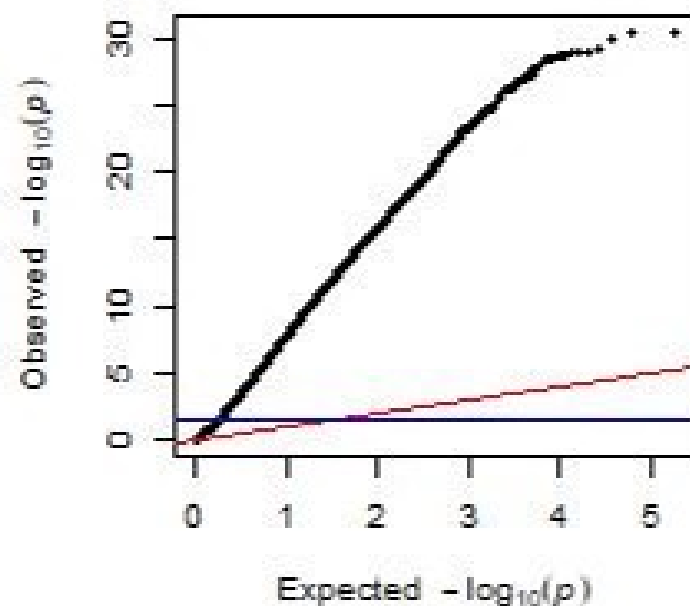


Accounting for kinship and structure

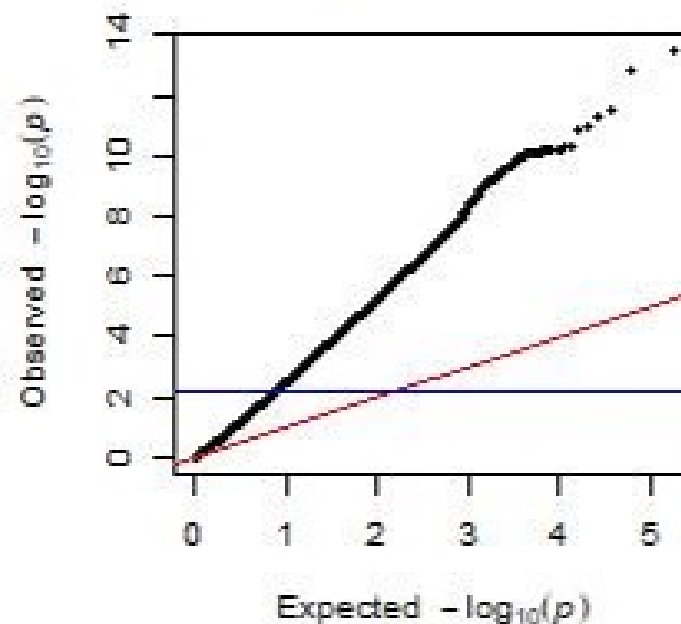


# trait: SCD\_wi1617\_po

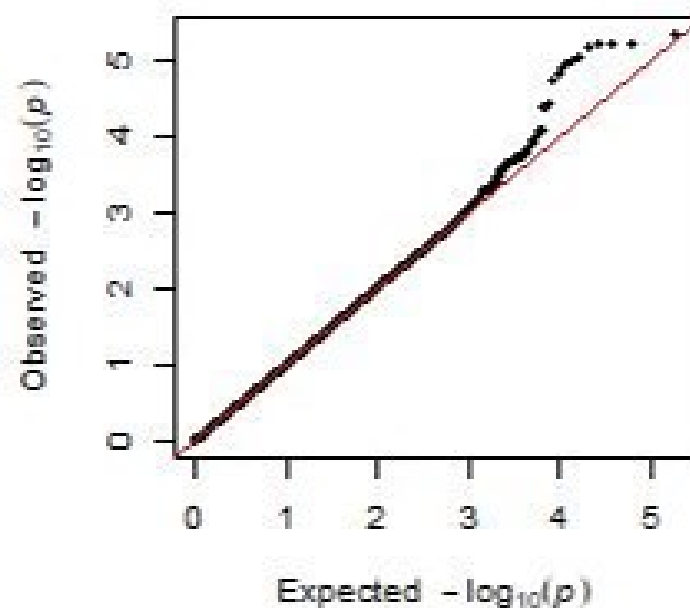
No accounting for kinship or structure



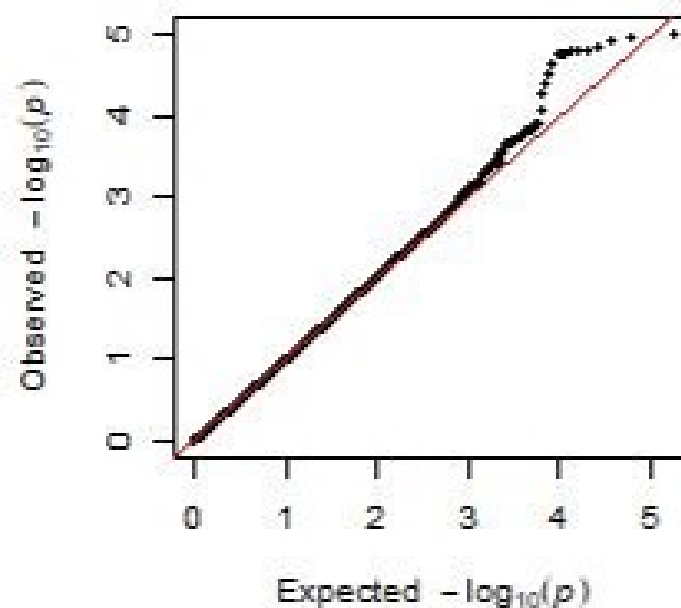
Accounting only for structure



Accounting only for kinship

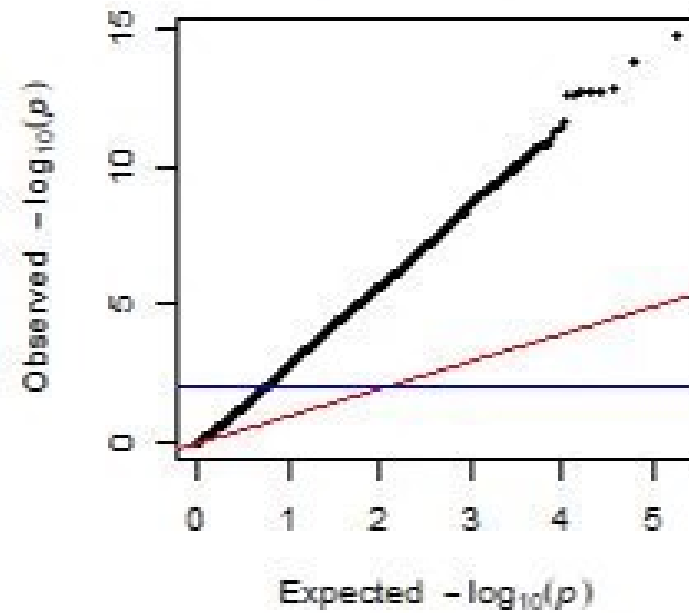


Accounting for kinship and structure

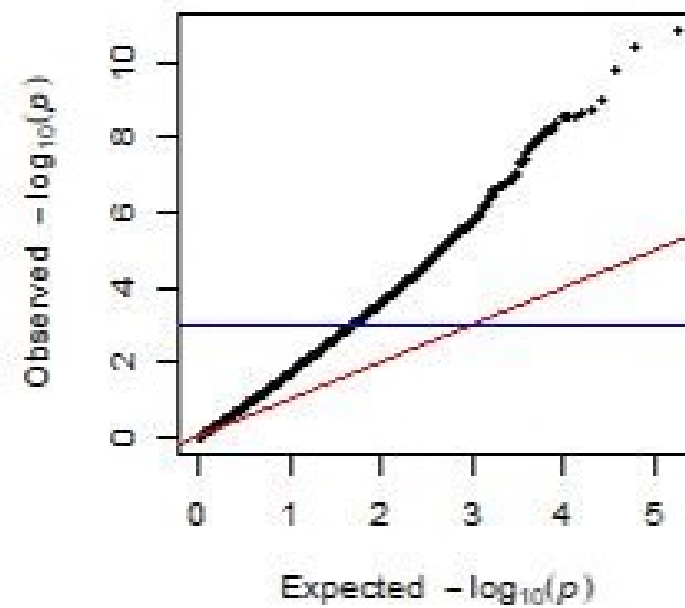


# trait: SCD\_wi1718\_lu

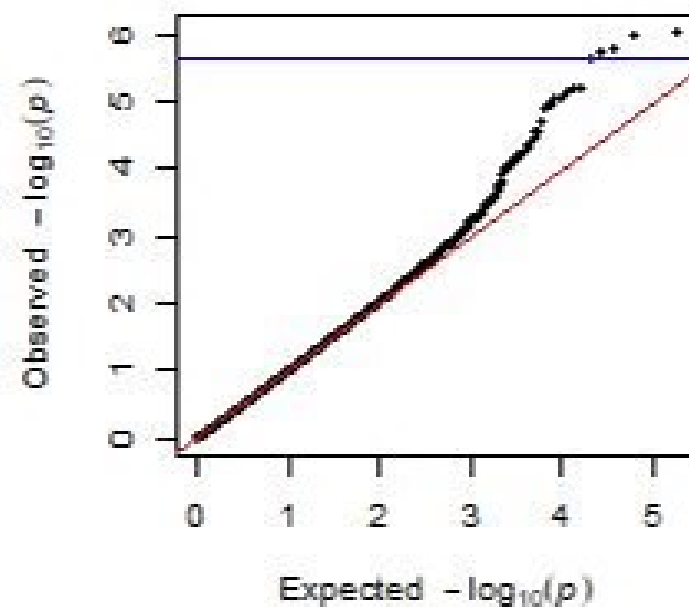
No accounting for kinship or structure



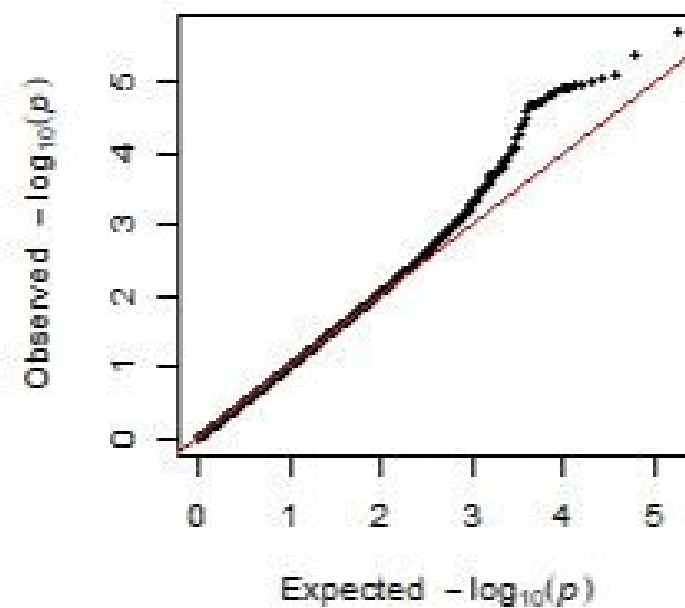
Accounting only for structure



Accounting only for kinship

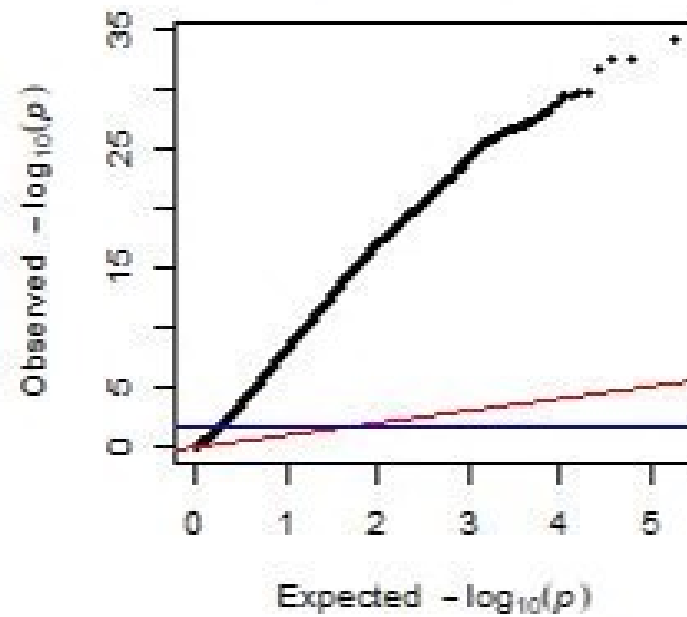


Accounting for kinship and structure

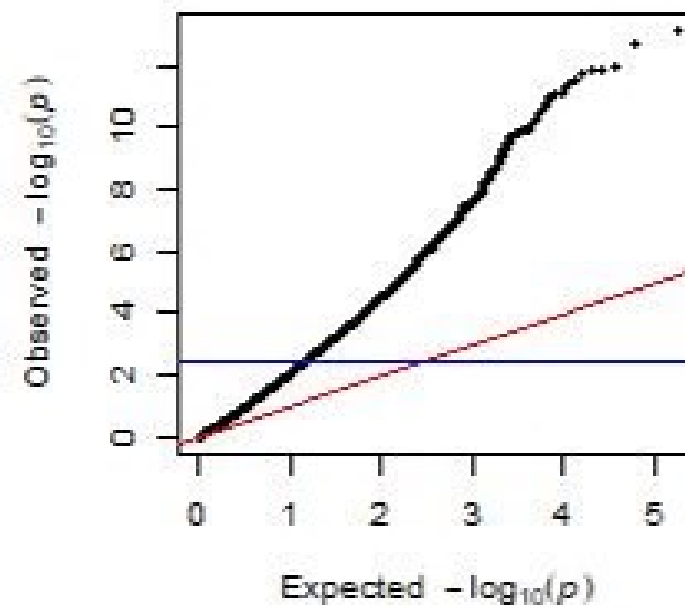


# trait: SGR\_lu16

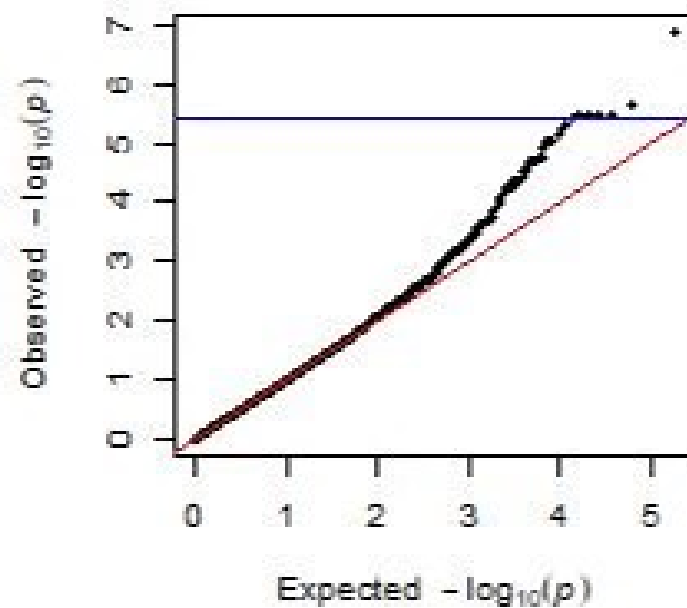
No accounting for kinship or structure



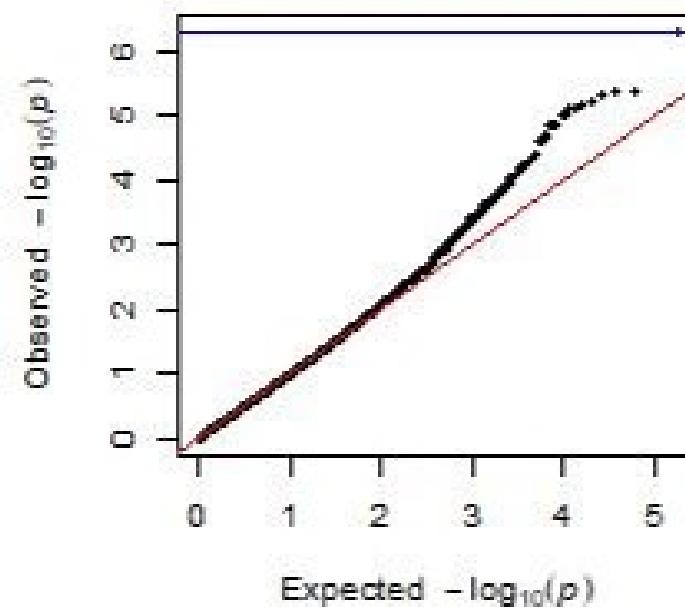
Accounting only for structure



Accounting only for kinship

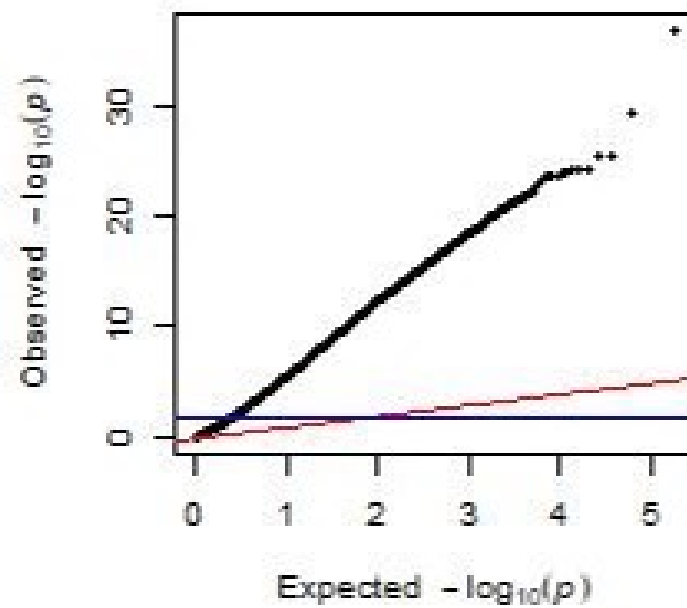


Accounting for kinship and structure

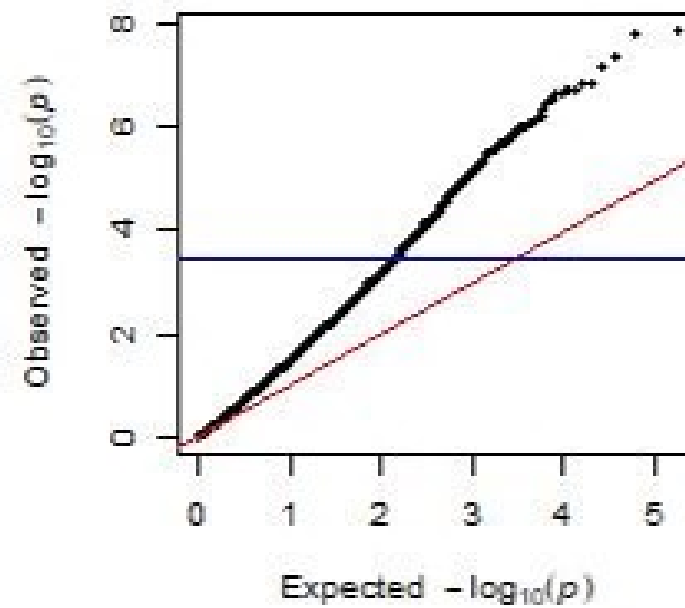


# trait: SGR\_me16

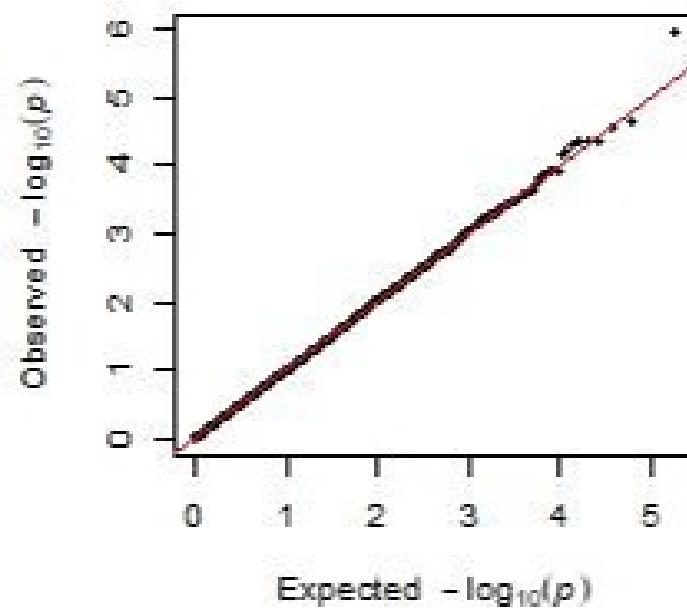
No accounting for kinship or structure



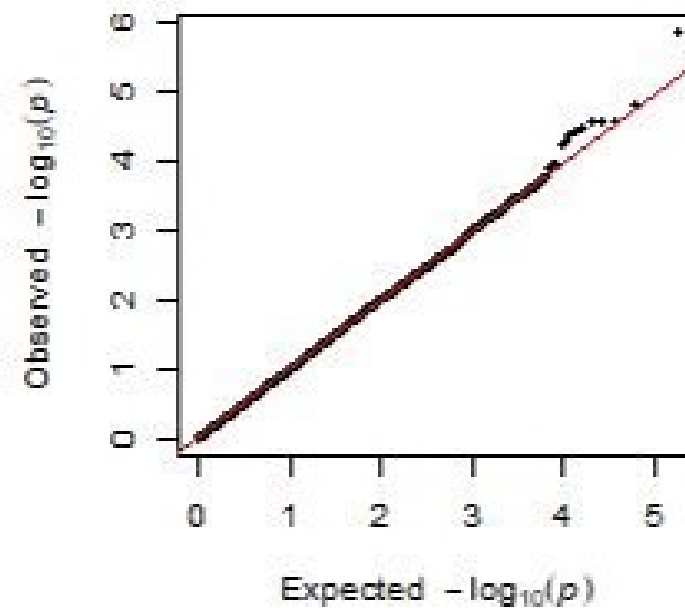
Accounting only for structure



Accounting only for kinship

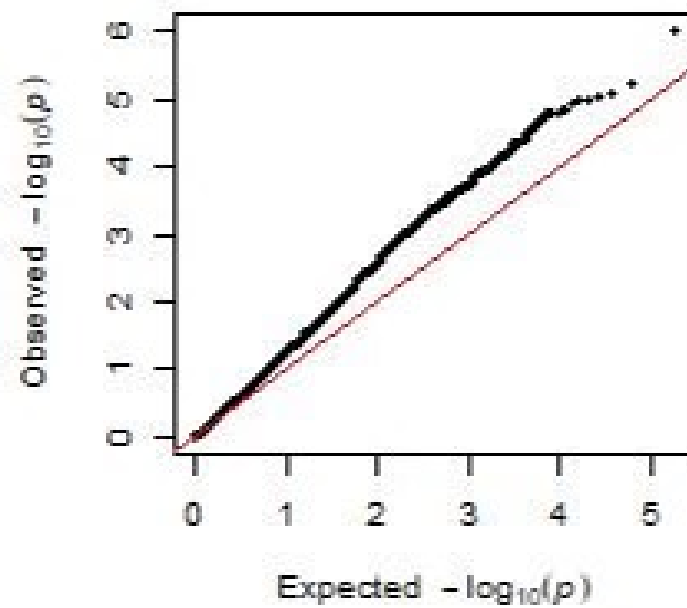


Accounting for kinship and structure

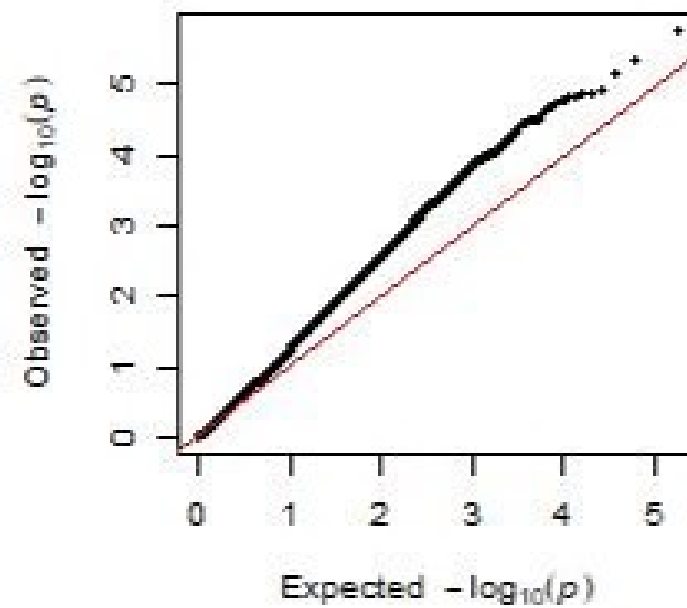


# trait: SGR\_me17

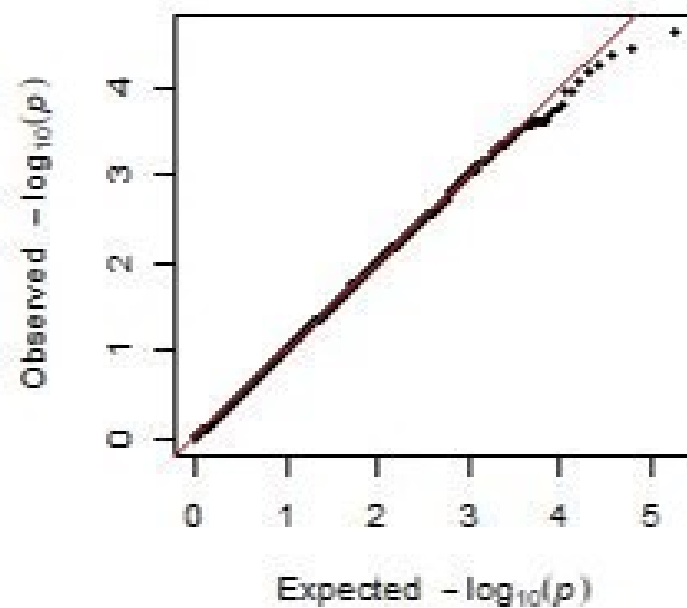
No accounting for kinship or structure



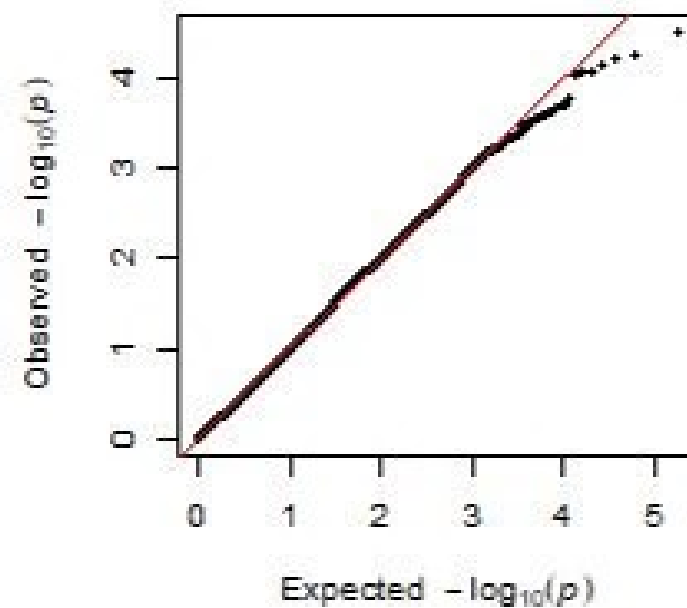
Accounting only for structure



Accounting only for kinship

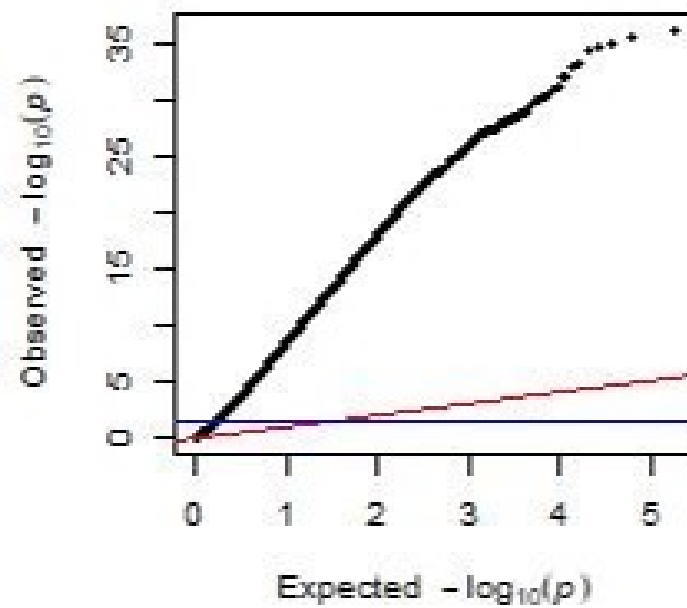


Accounting for kinship and structure

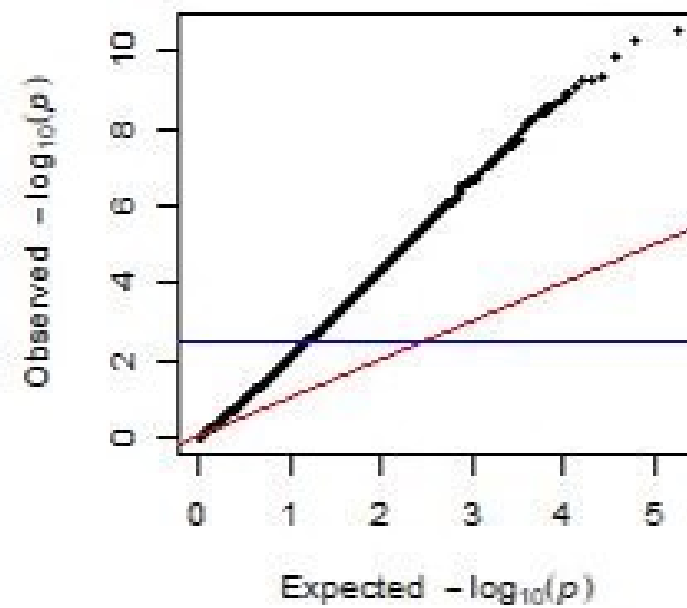


# trait: SGR\_po17

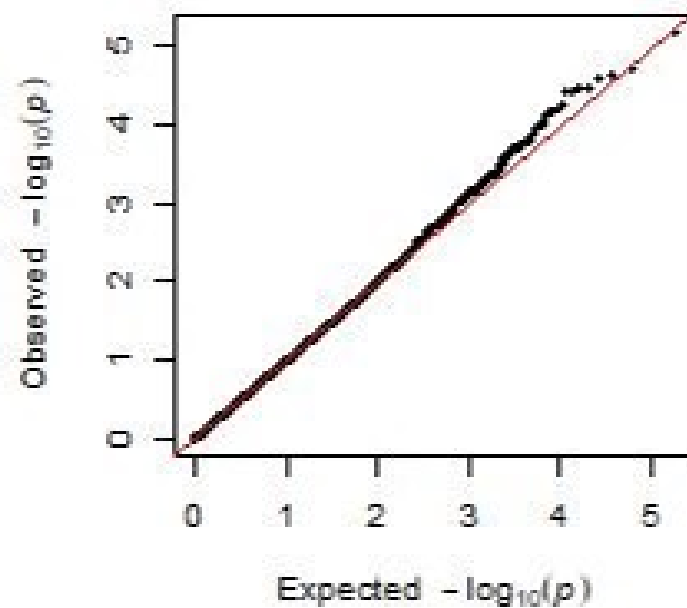
No accounting for kinship or structure



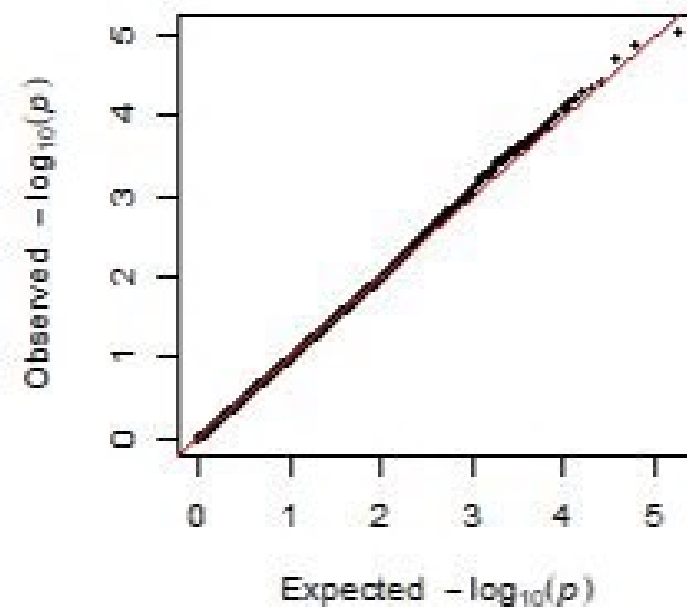
Accounting only for structure



Accounting only for kinship



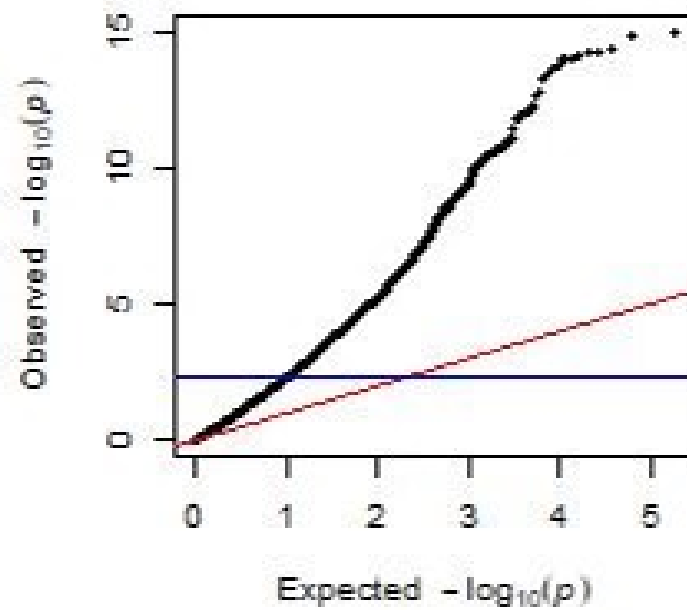
Accounting for kinship and structure



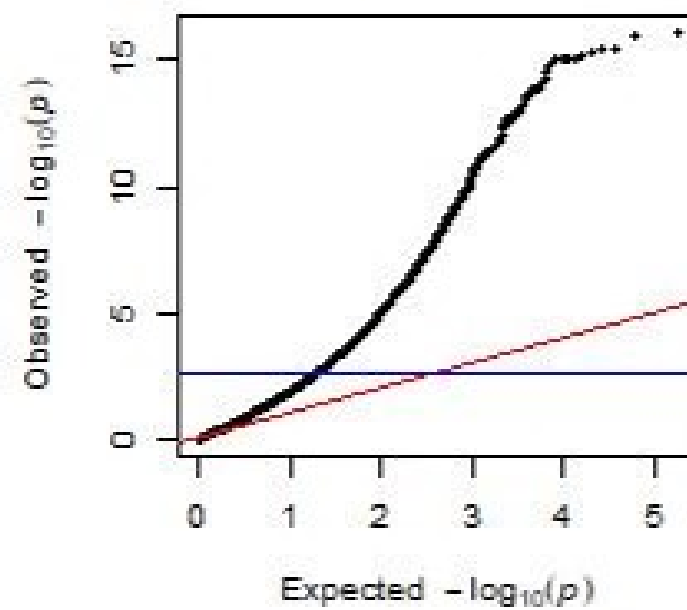


# trait: SMH\_lu16

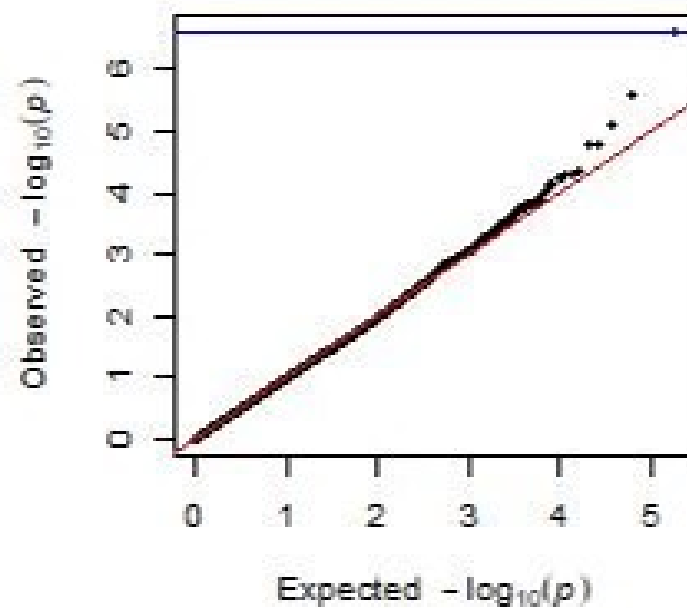
No accounting for kinship or structure



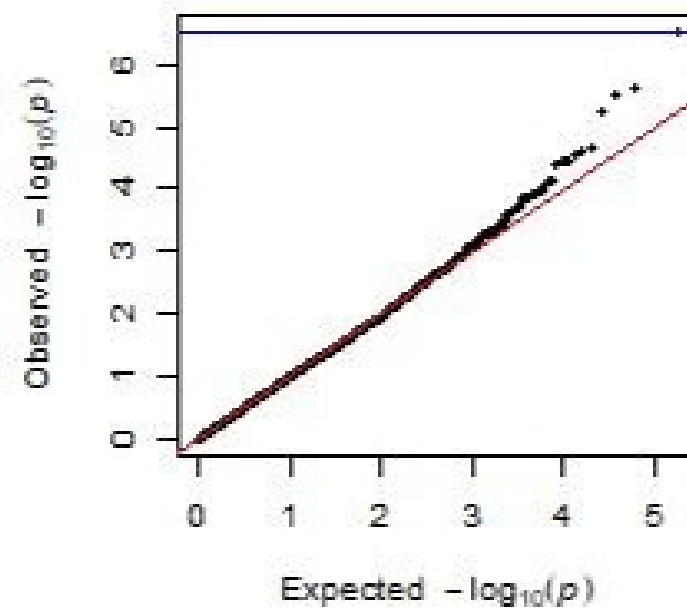
Accounting only for structure



Accounting only for kinship

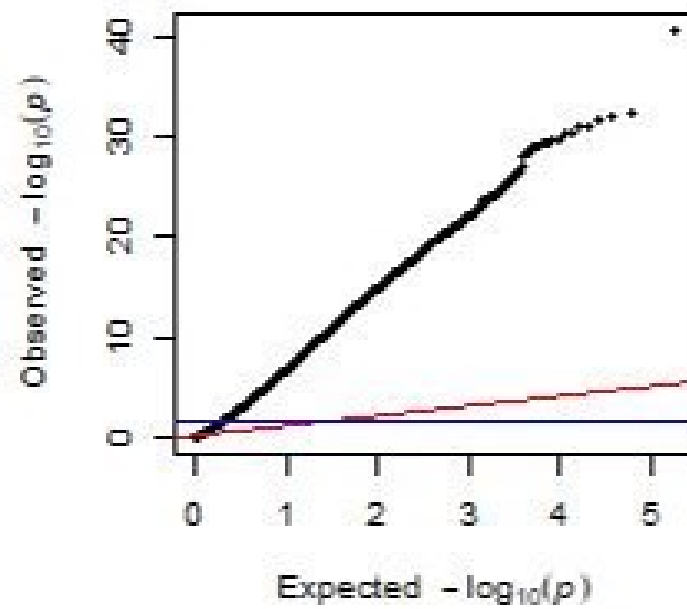


Accounting for kinship and structure

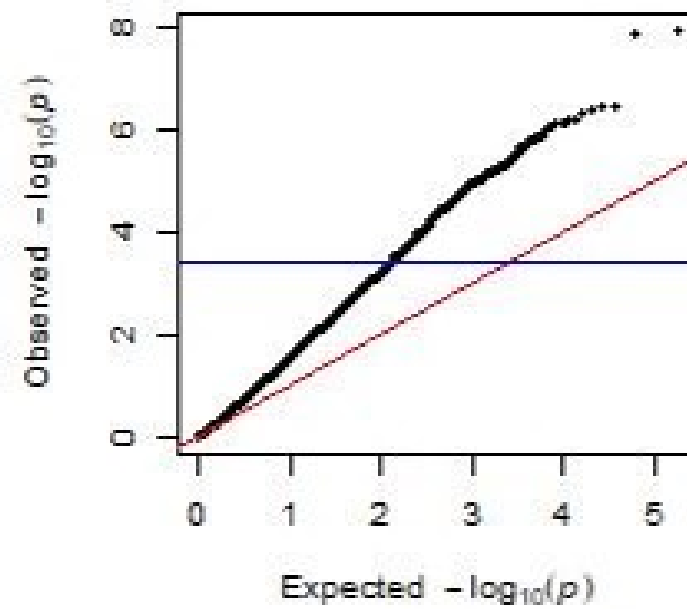


# trait: SMH\_me16

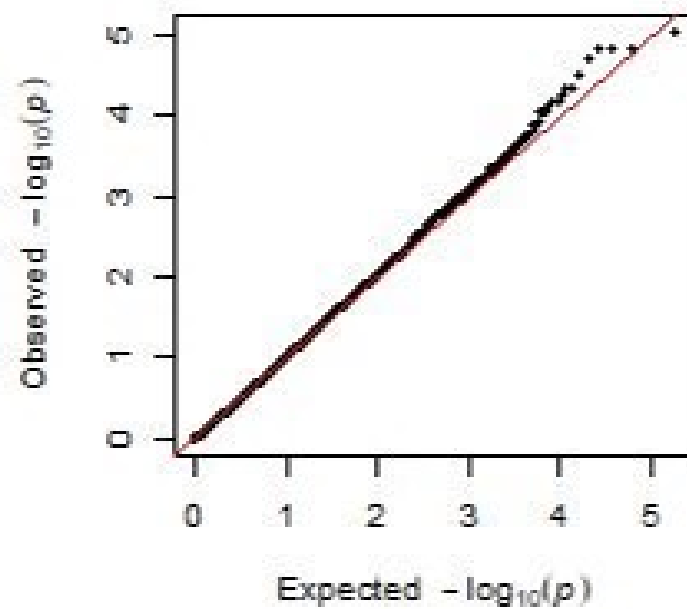
No accounting for kinship or structure



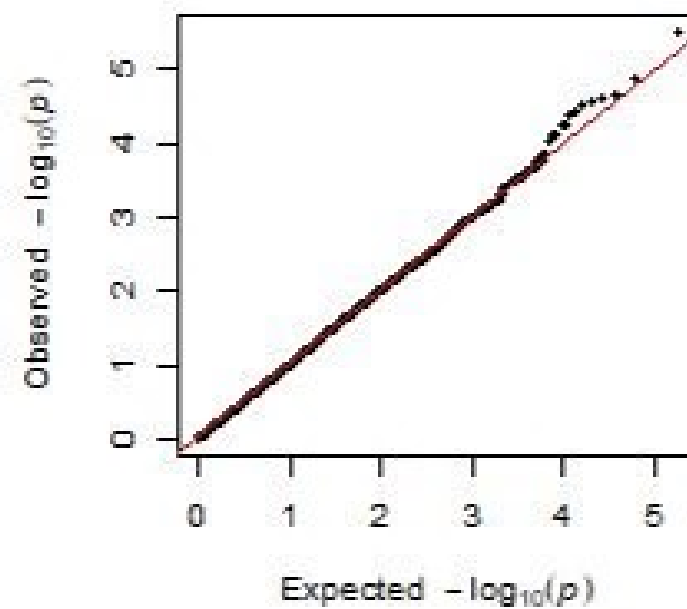
Accounting only for structure



Accounting only for kinship

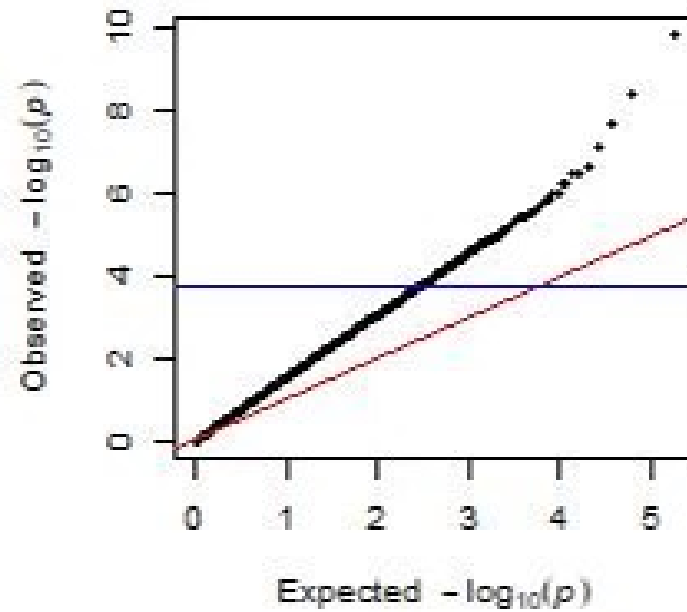


Accounting for kinship and structure

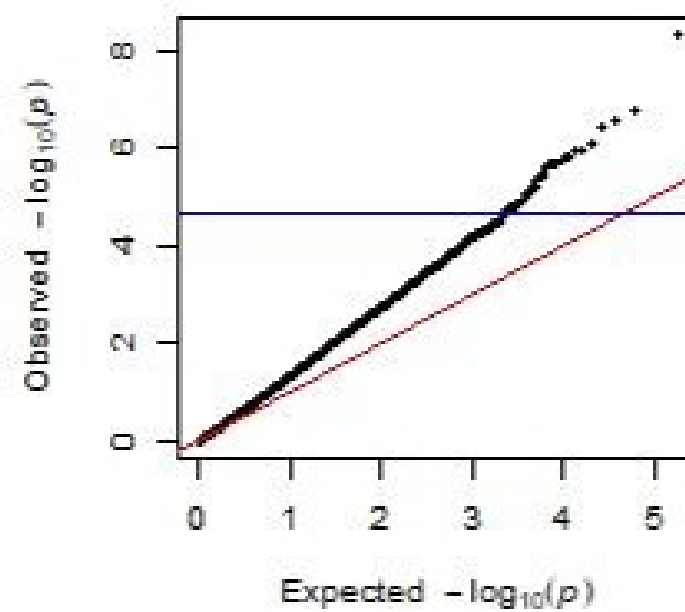


# trait: SMH\_me17

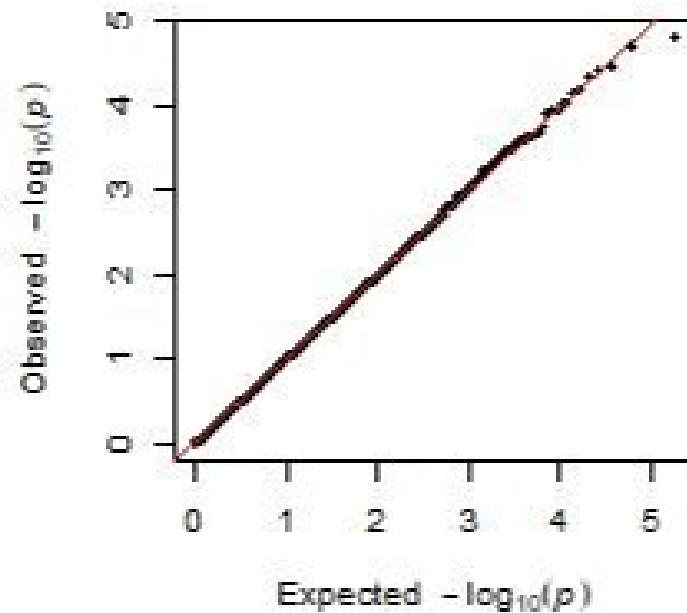
No accounting for kinship or structure



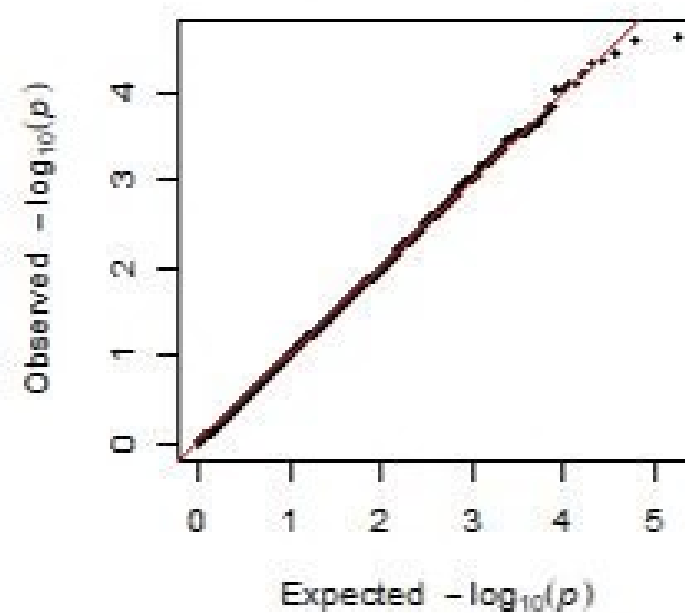
Accounting only for structure



Accounting only for kinship

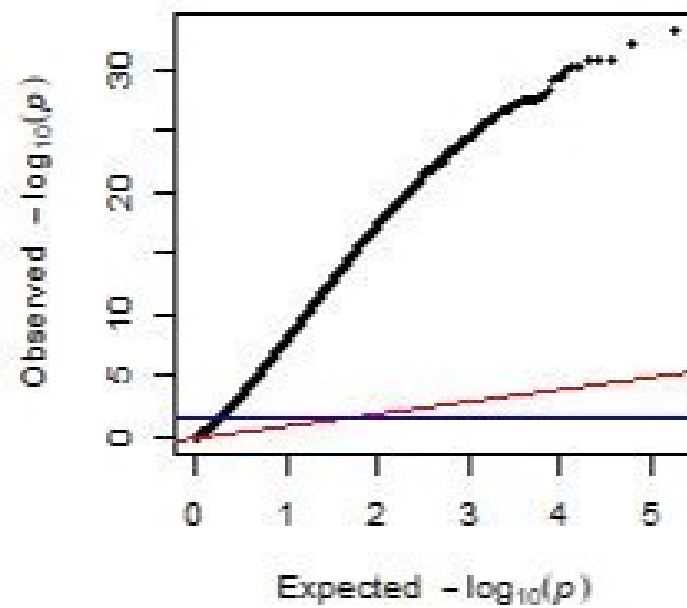


Accounting for kinship and structure

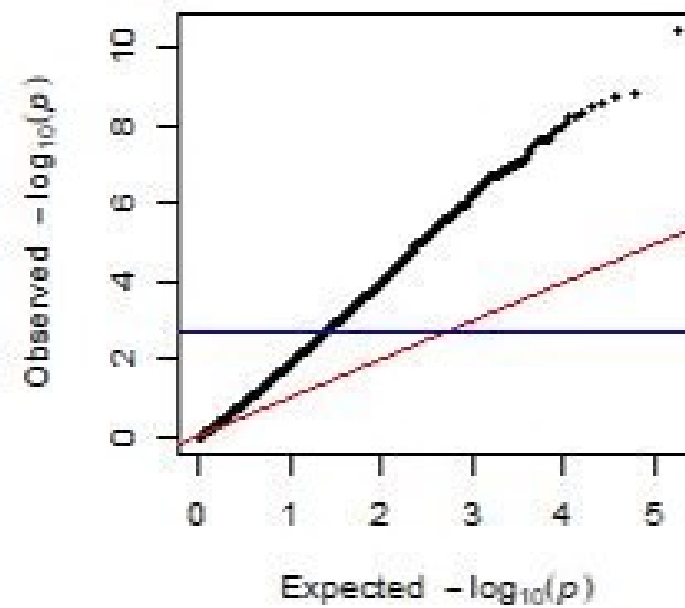


# trait: SMH\_po17

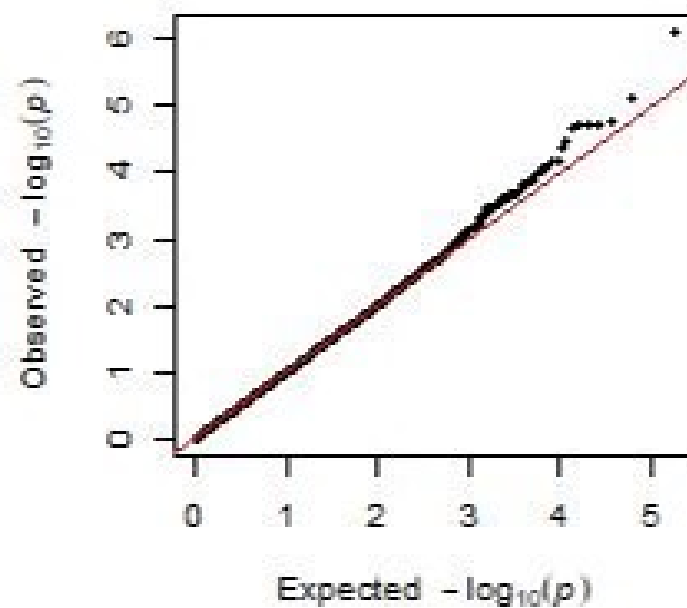
No accounting for kinship or structure



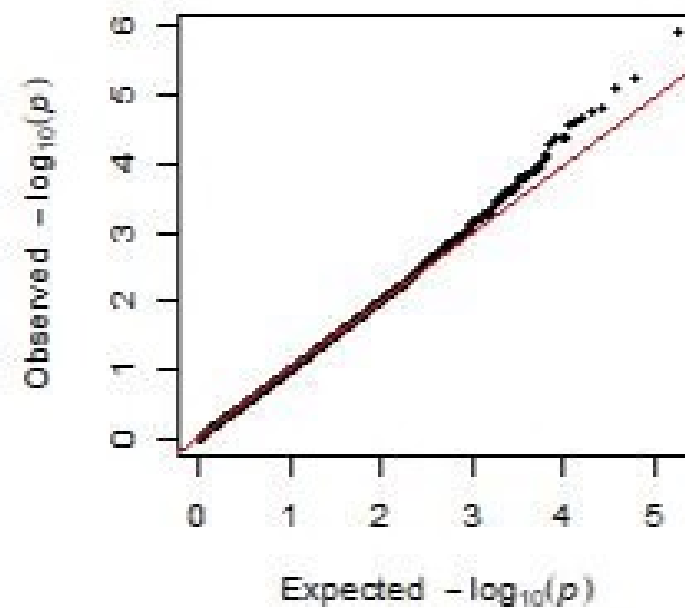
Accounting only for structure



Accounting only for kinship

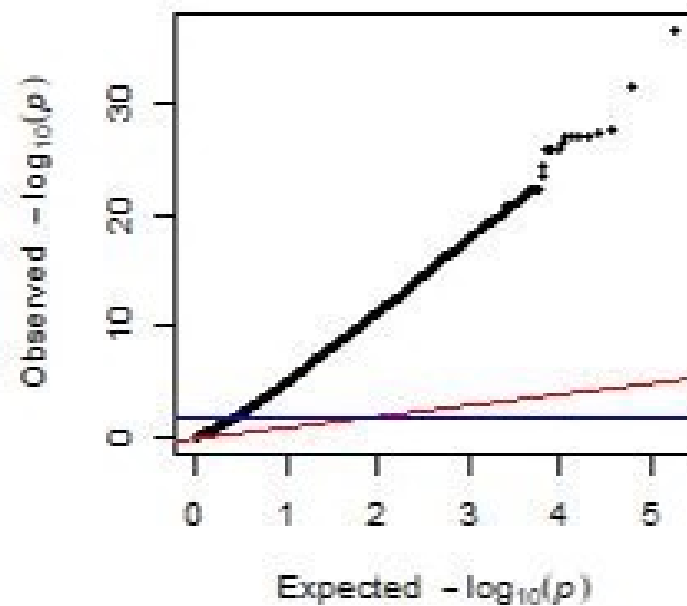


Accounting for kinship and structure

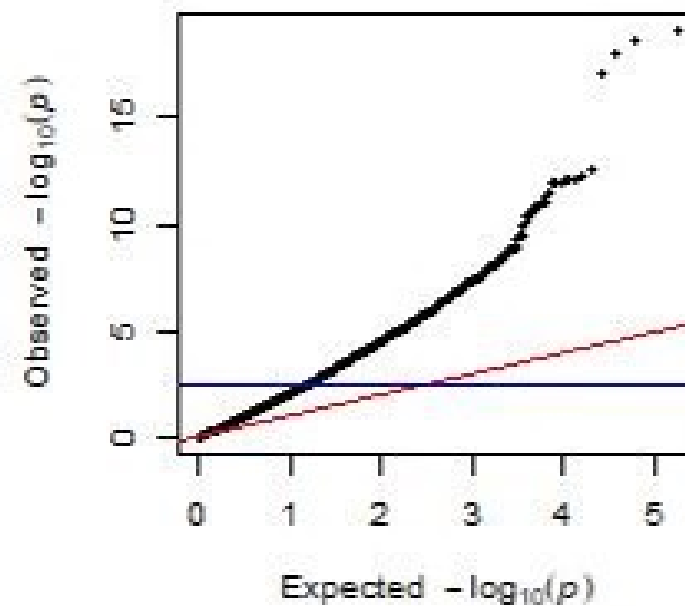


# trait: VAC\_avg

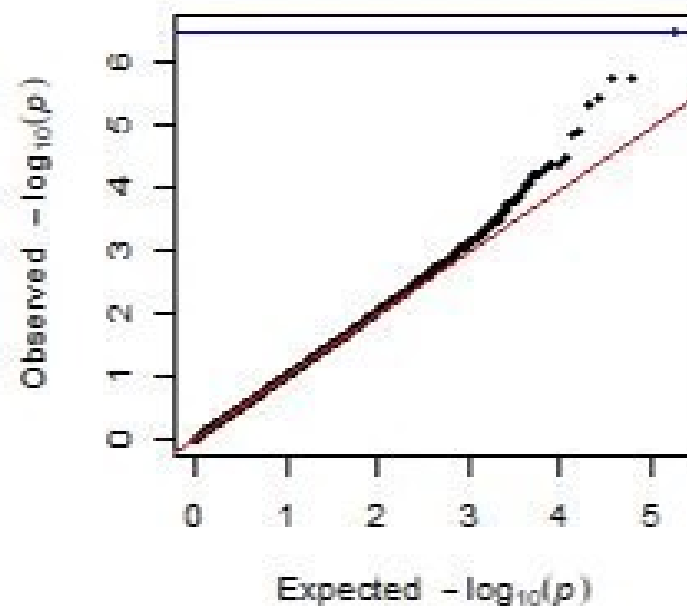
No accounting for kinship or structure



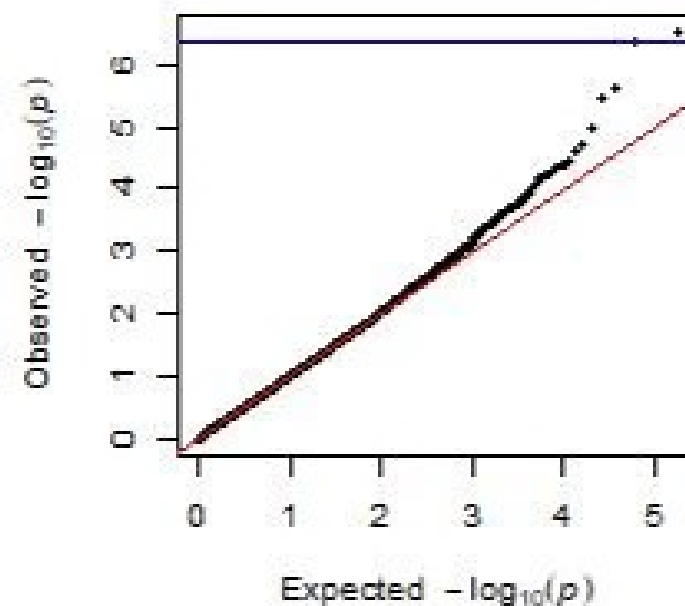
Accounting only for structure



Accounting only for kinship

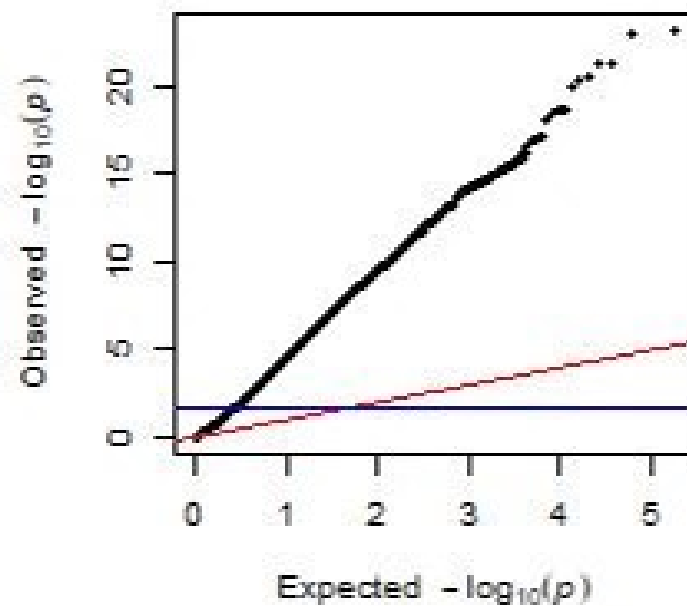


Accounting for kinship and structure

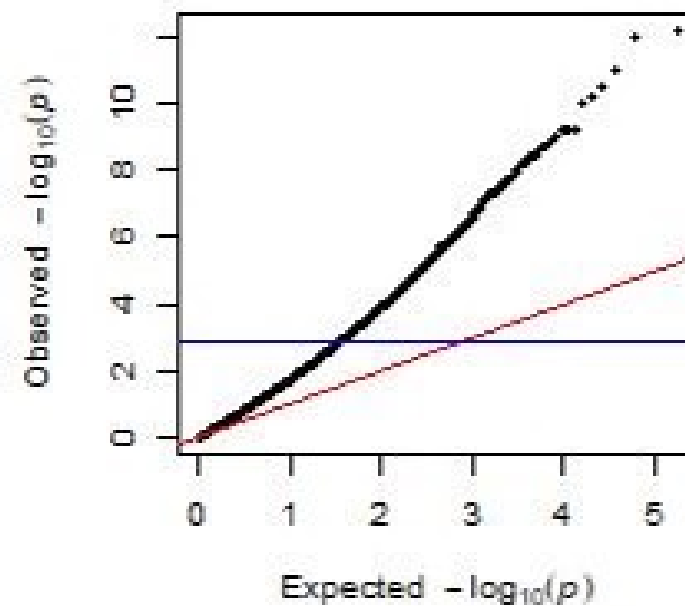


# trait: VAC\_lu16

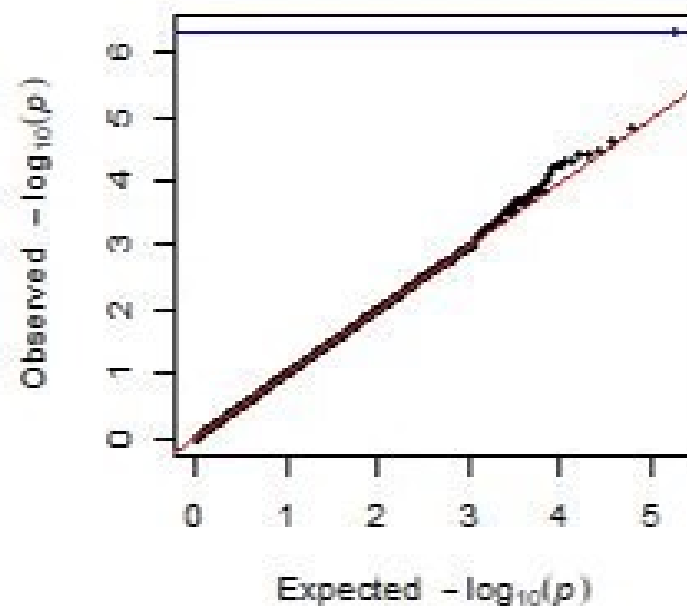
No accounting for kinship or structure



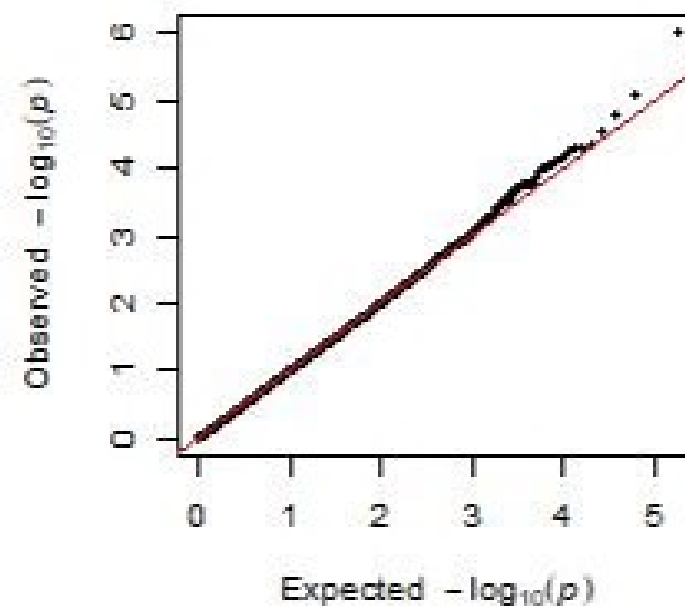
Accounting only for structure



Accounting only for kinship

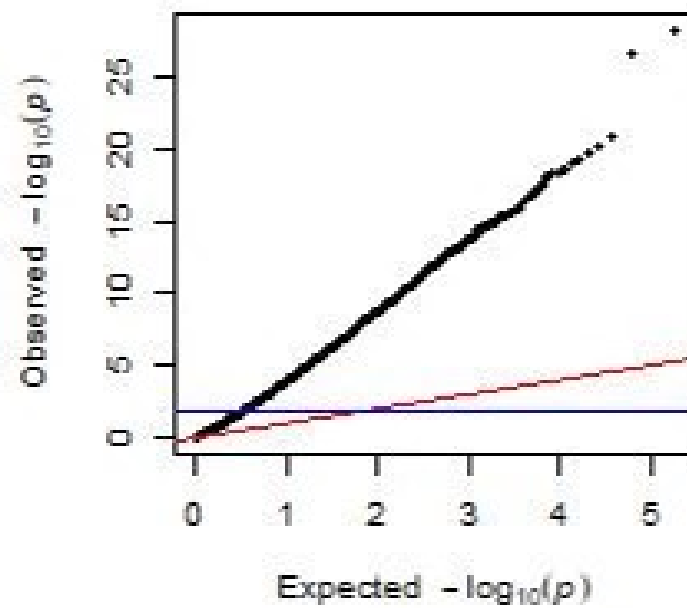


Accounting for kinship and structure

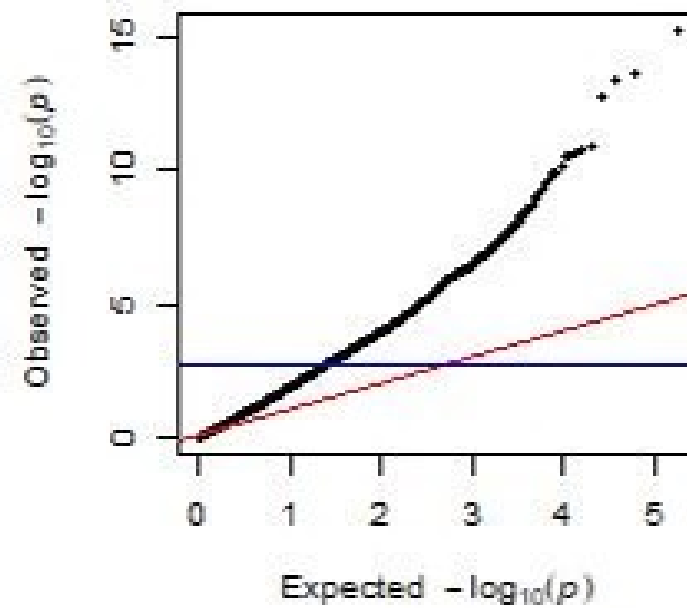


# trait: VAC\_lu17

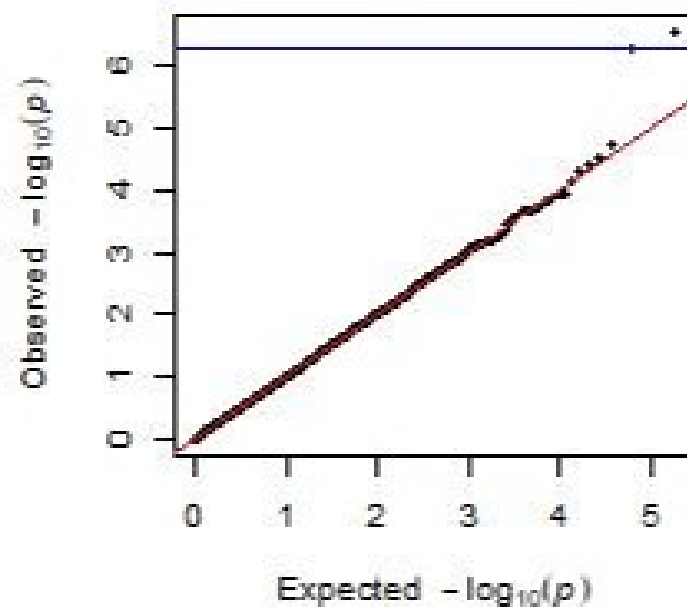
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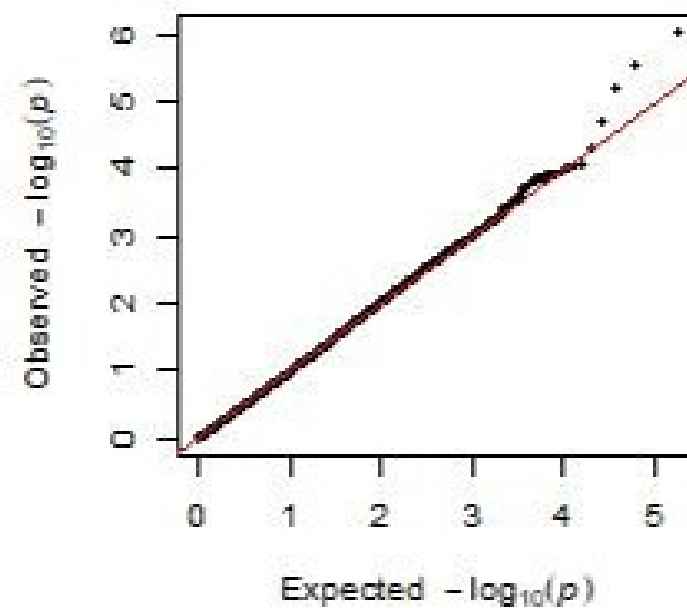
Accounting only for structure



Accounting only for kinship

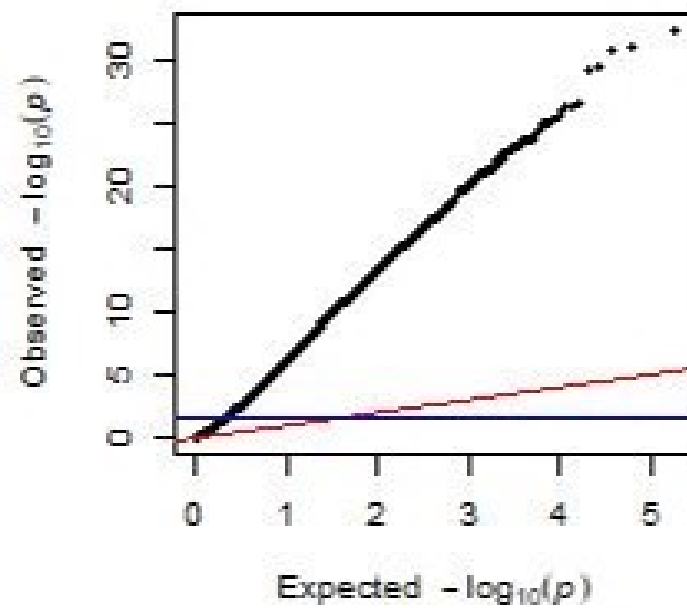


Accounting for kinship and structure

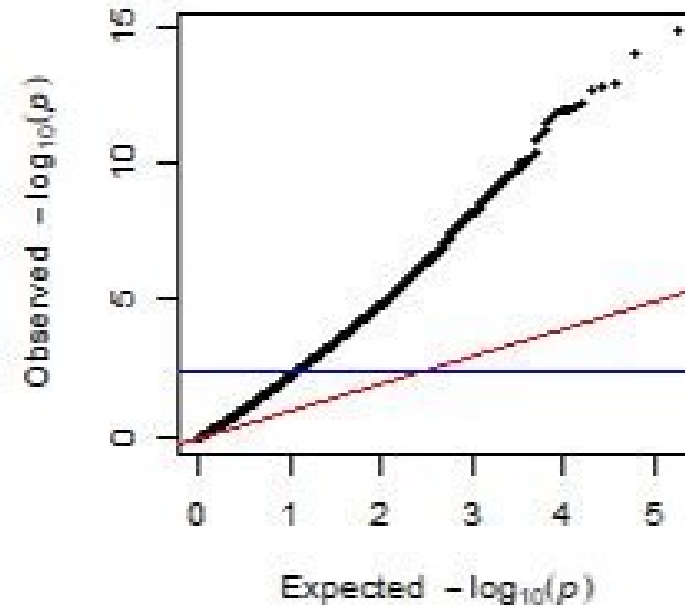


# trait: VAC\_po17

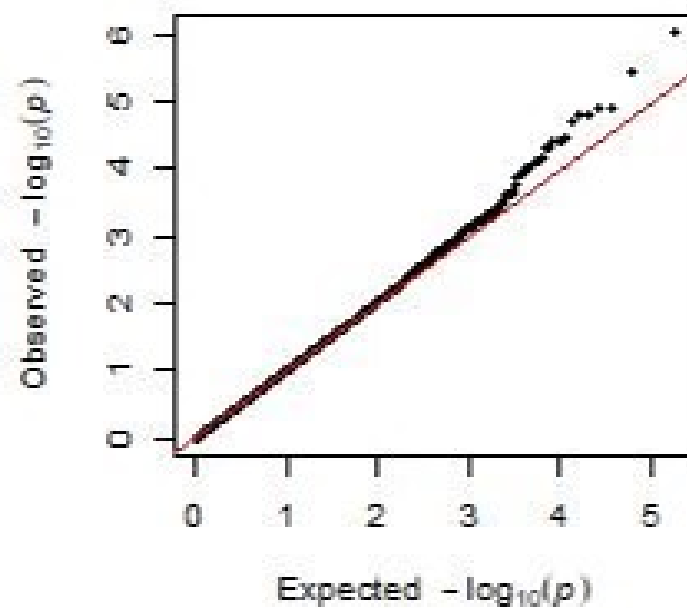
No accounting for kinship or structure



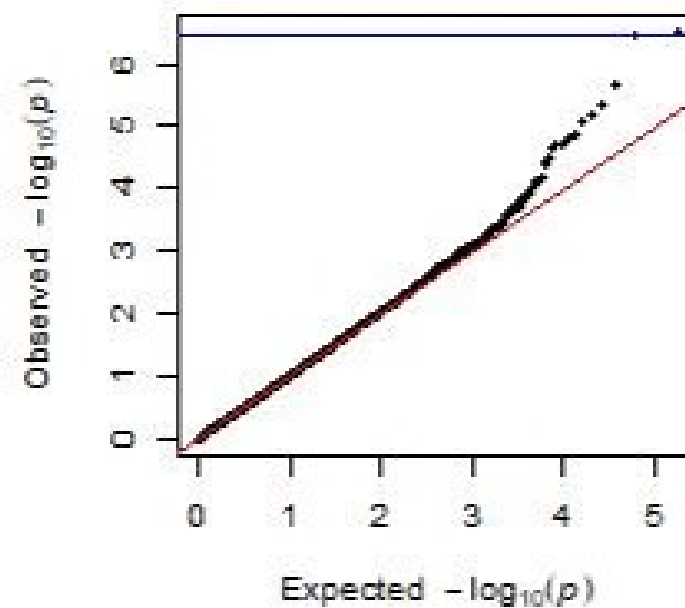
Accounting only for structure



Accounting only for kinship



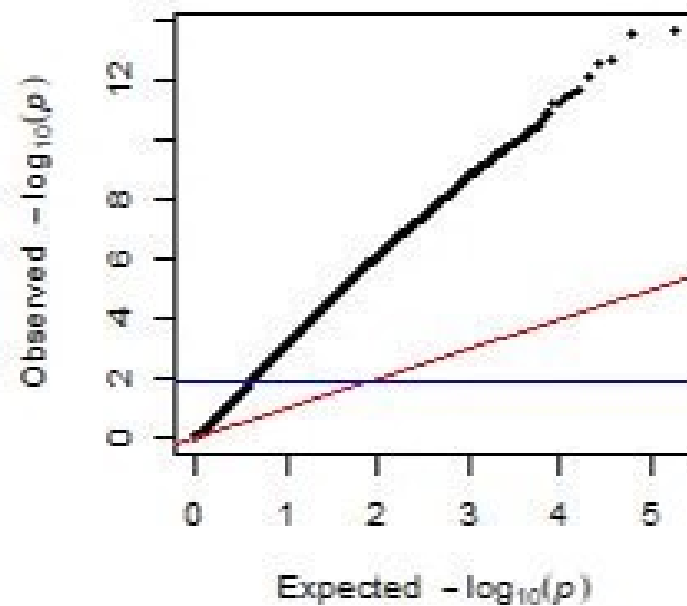
Accounting for kinship and structure



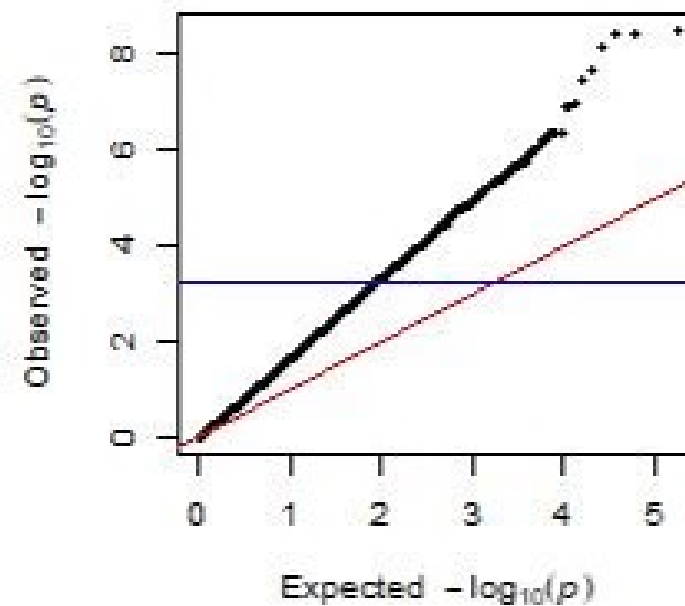


# trait: VAS\_avg

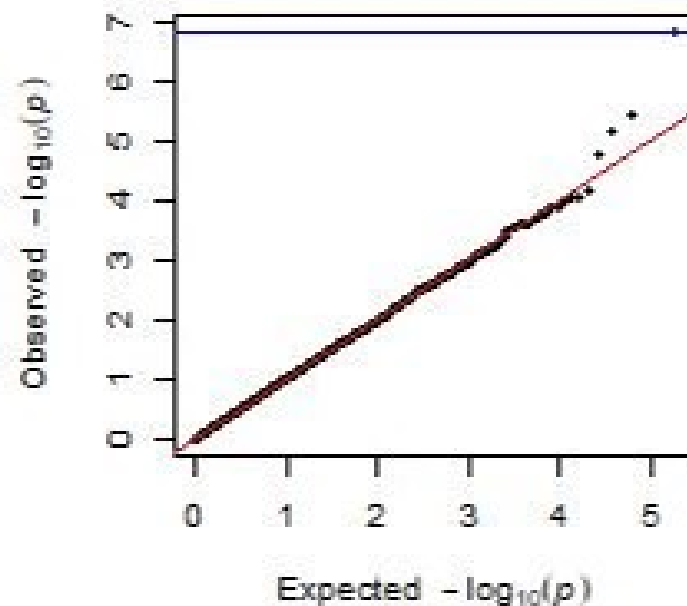
No accounting for kinship or structure



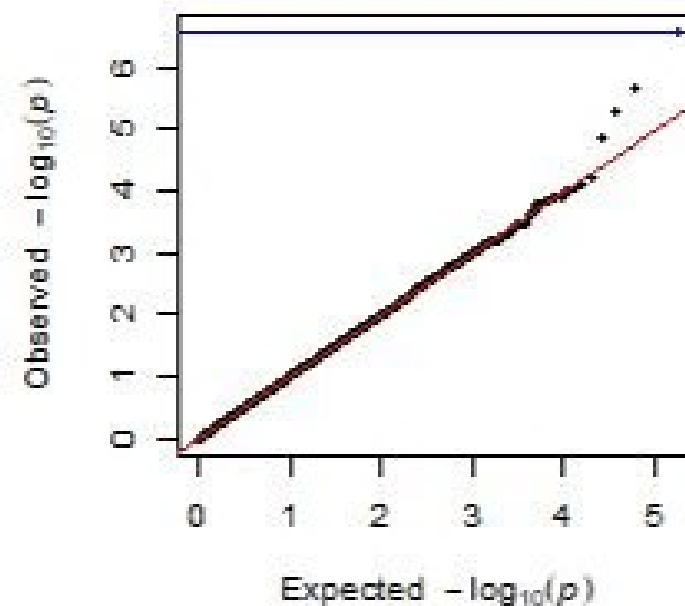
Accounting only for structure



Accounting only for kinship

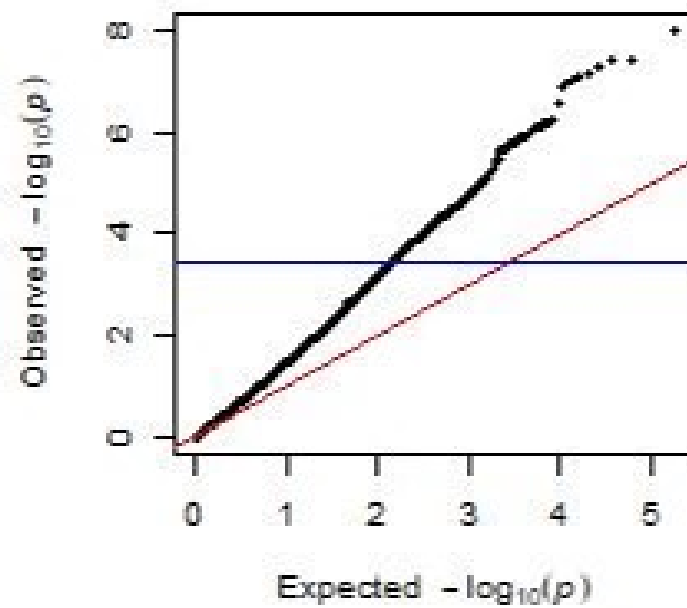


Accounting for kinship and structure

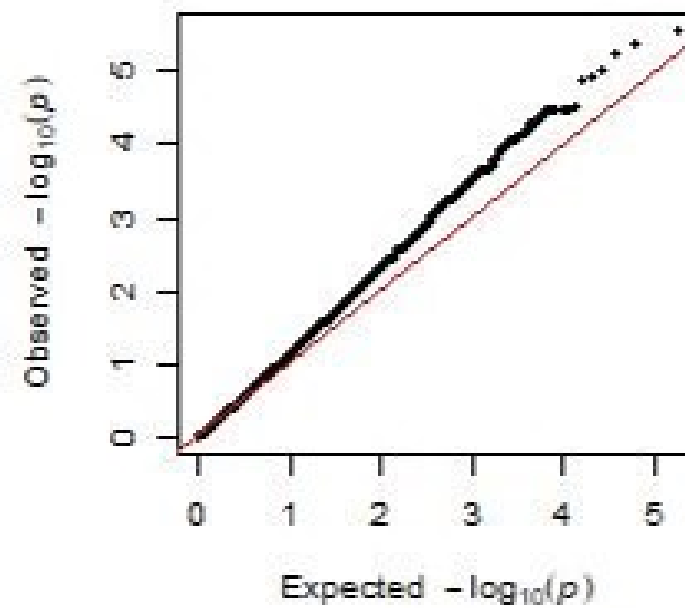


# trait: VAS\_lu15

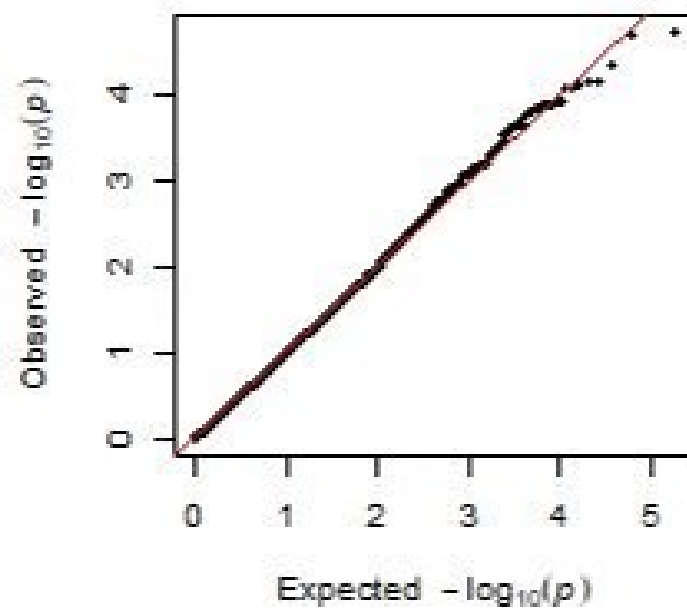
No accounting for kinship or structure



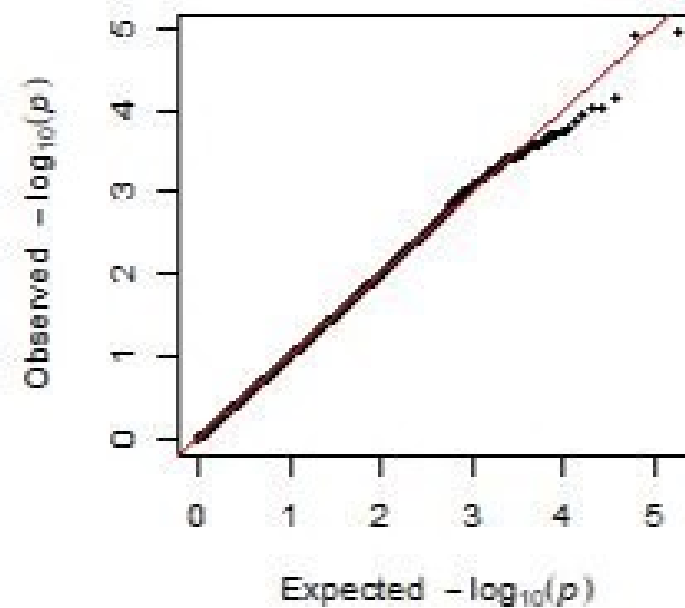
Accounting only for structure



Accounting only for kinship

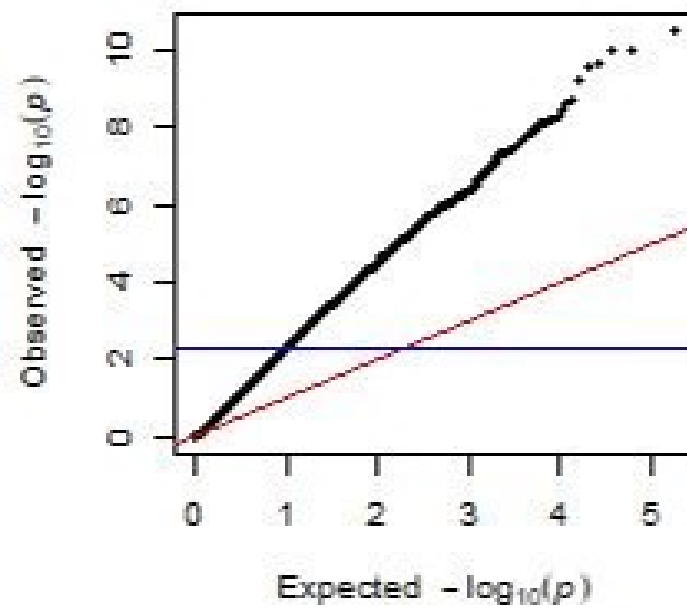


Accounting for kinship and structure

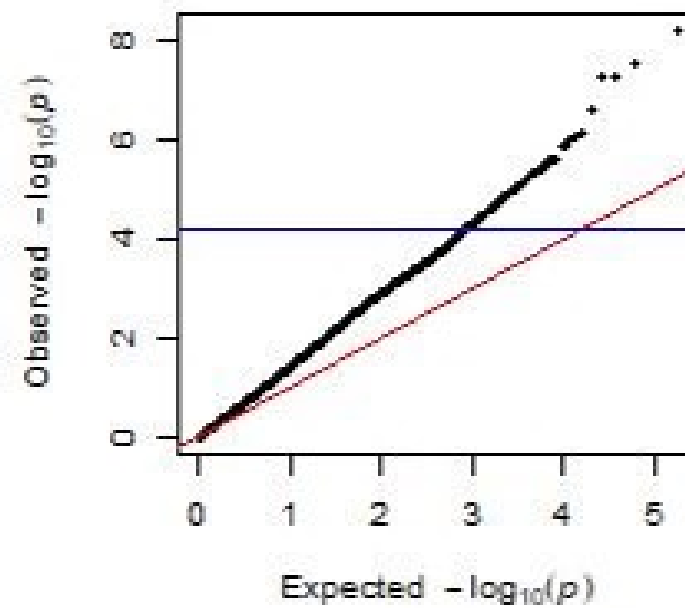


# trait: VAS\_me15

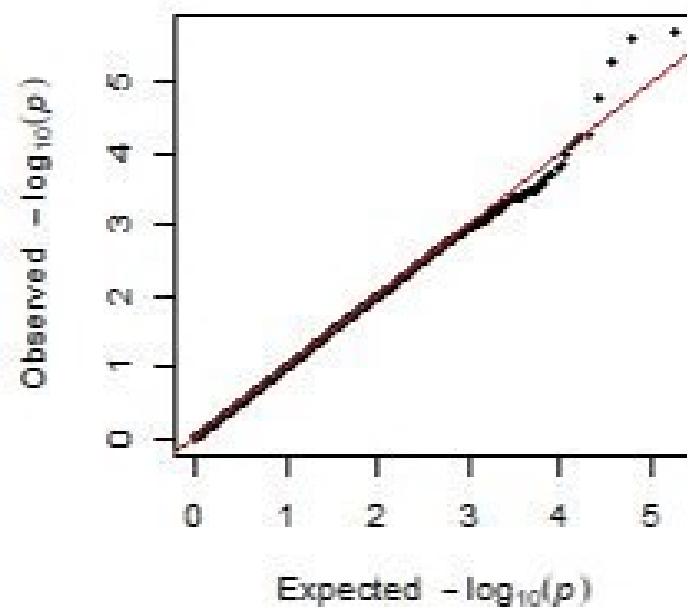
No accounting for kinship or structure



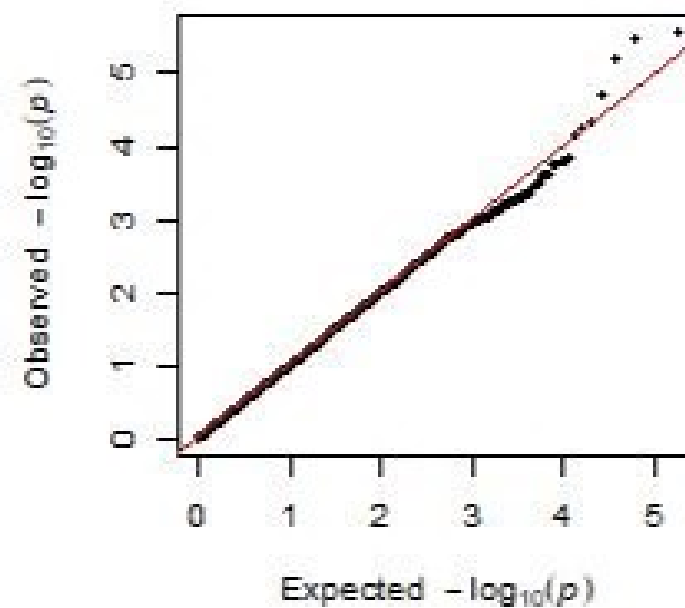
Accounting only for structure



Accounting only for kinship

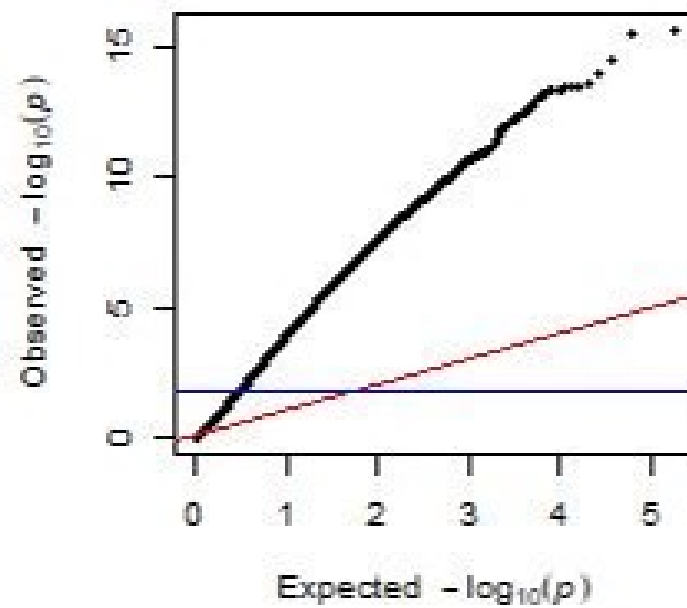


Accounting for kinship and structure

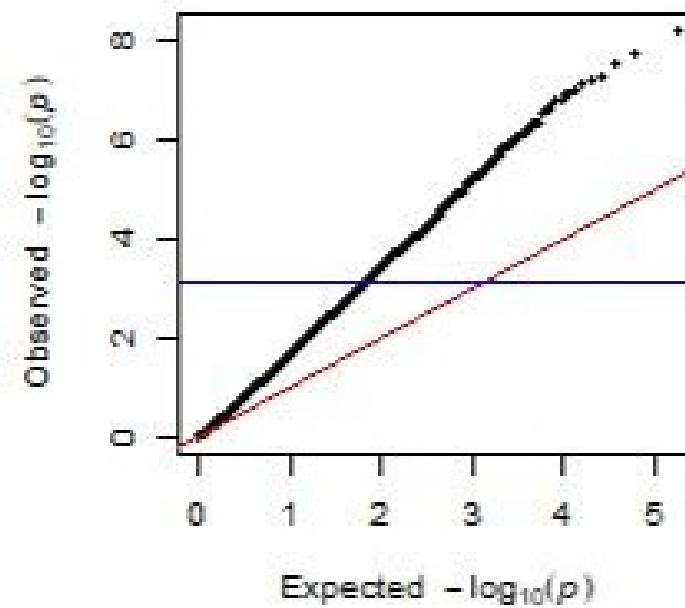


# trait: VAS\_po15

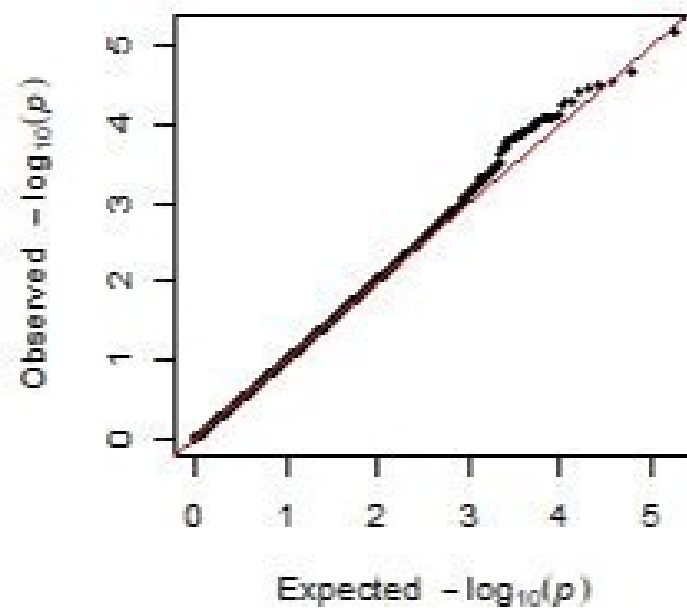
No accounting for kinship or structure



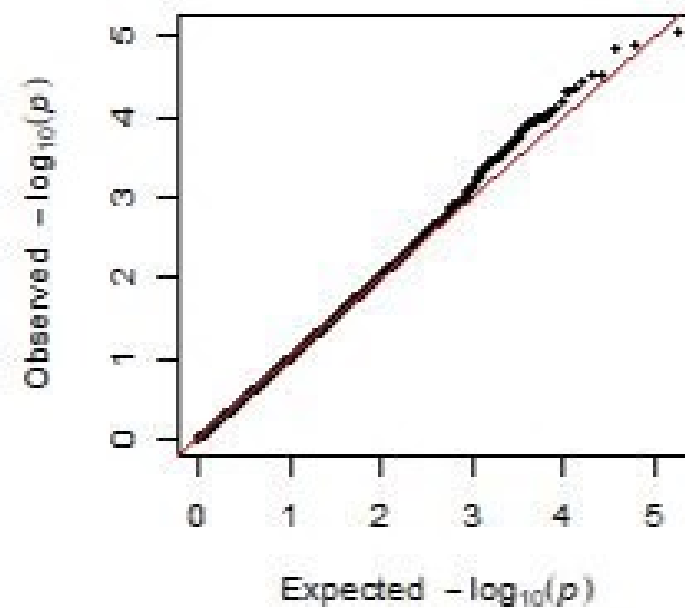
Accounting only for structure



Accounting only for kinship

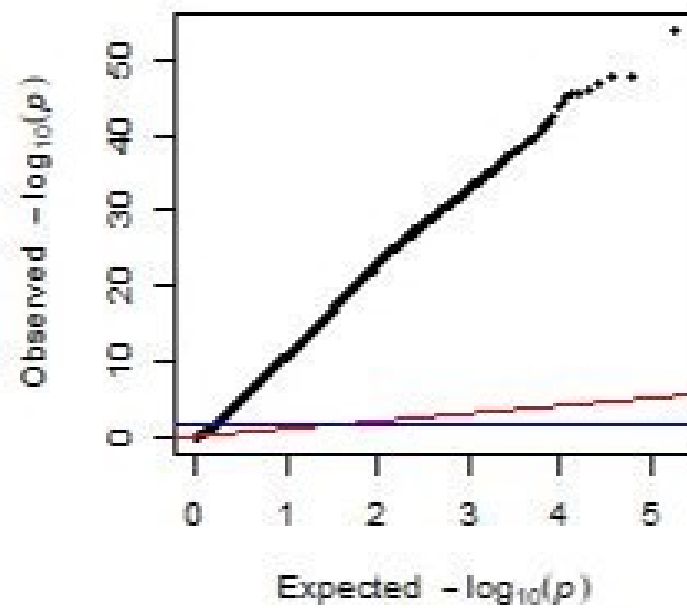


Accounting for kinship and structure

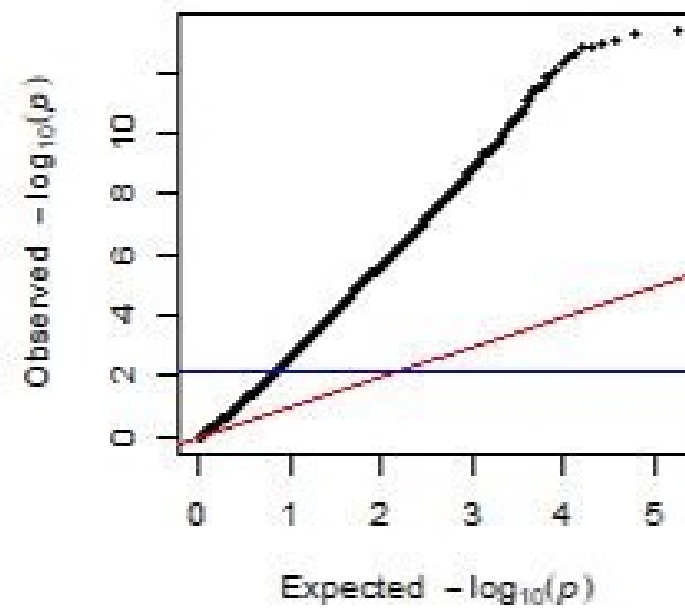


# trait: WID\_po16

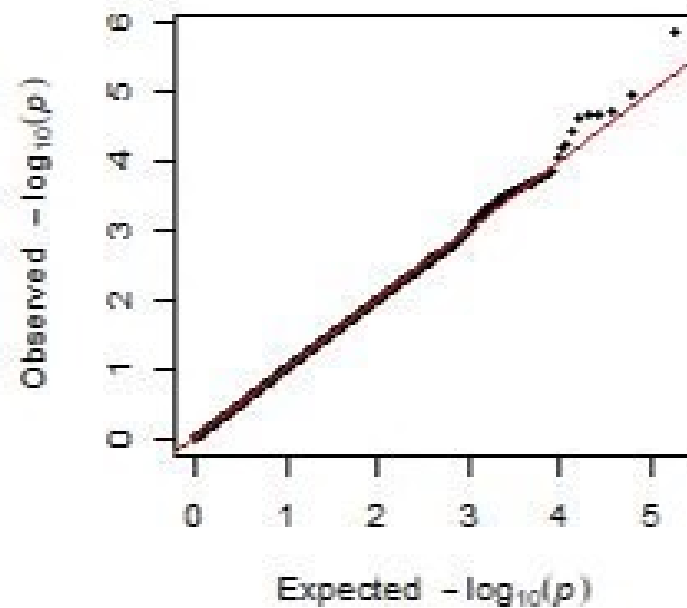
No accounting for kinship or structure



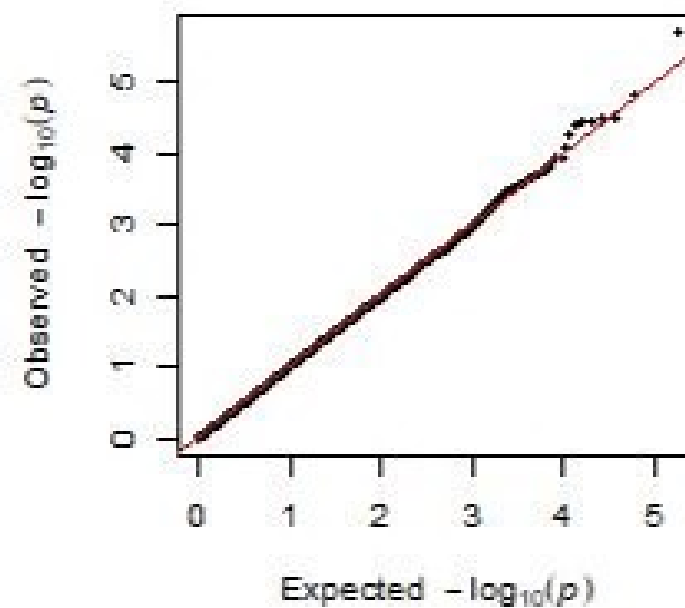
Accounting only for structure



Accounting only for kinship

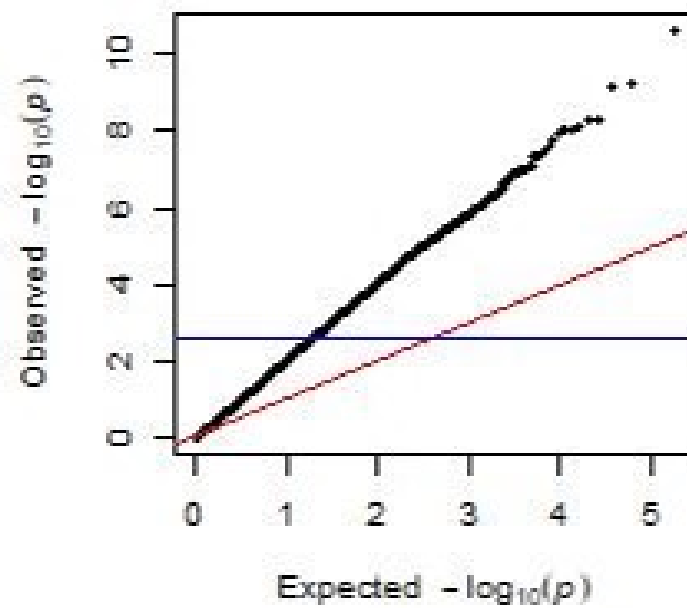


Accounting for kinship and structure

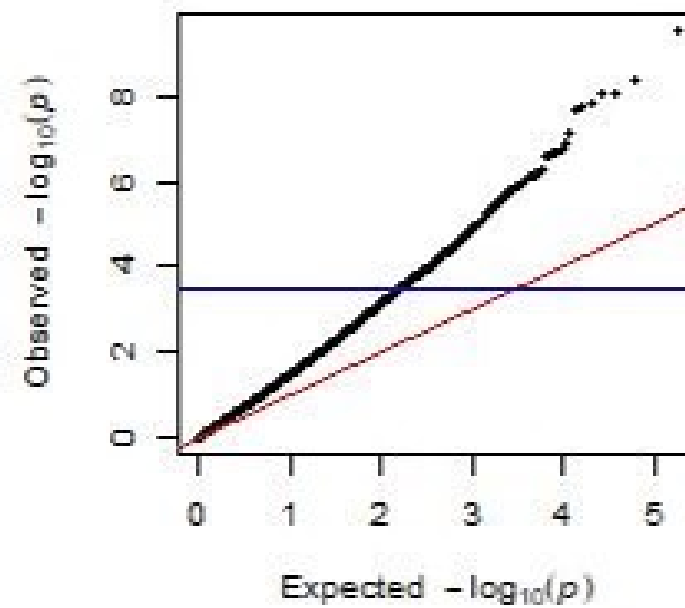


# trait: WID\_po17

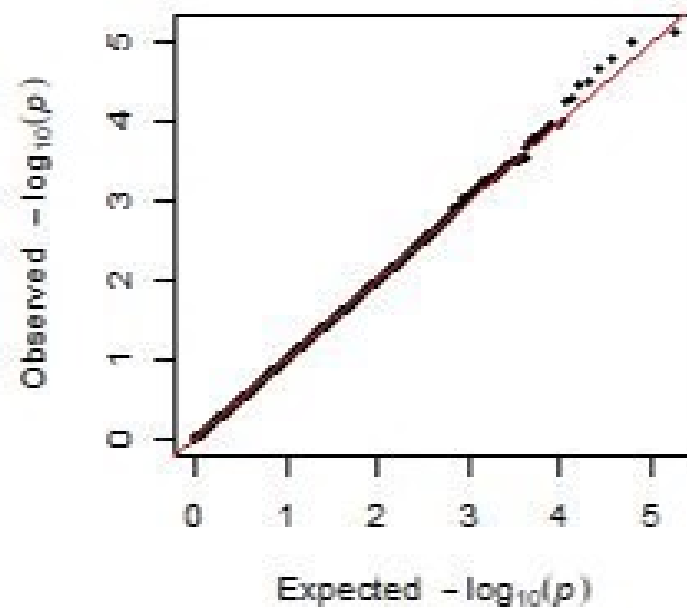
No accounting for kinship or structure



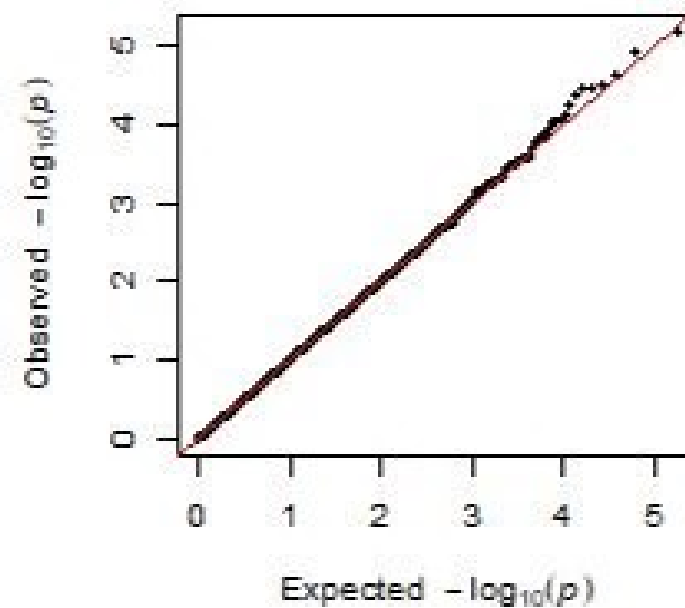
Accounting only for structure



Accounting only for kinship

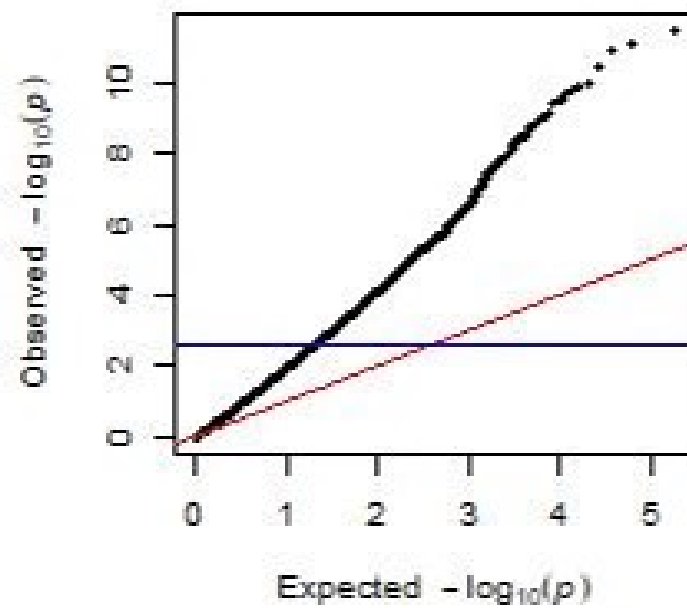


Accounting for kinship and structure

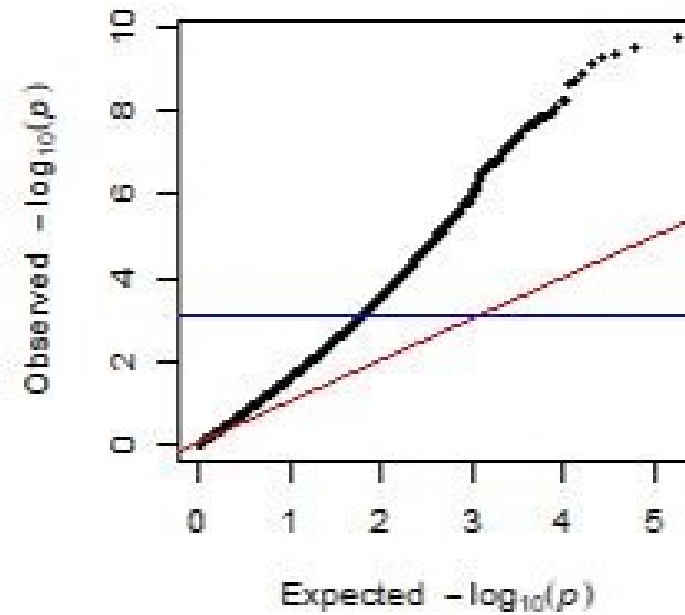


# trait: WSC\_04\_me17

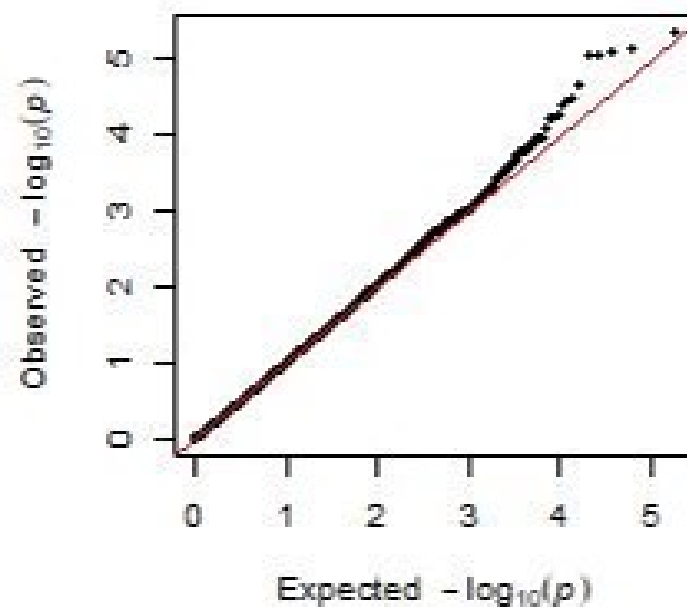
No accounting for kinship or structure



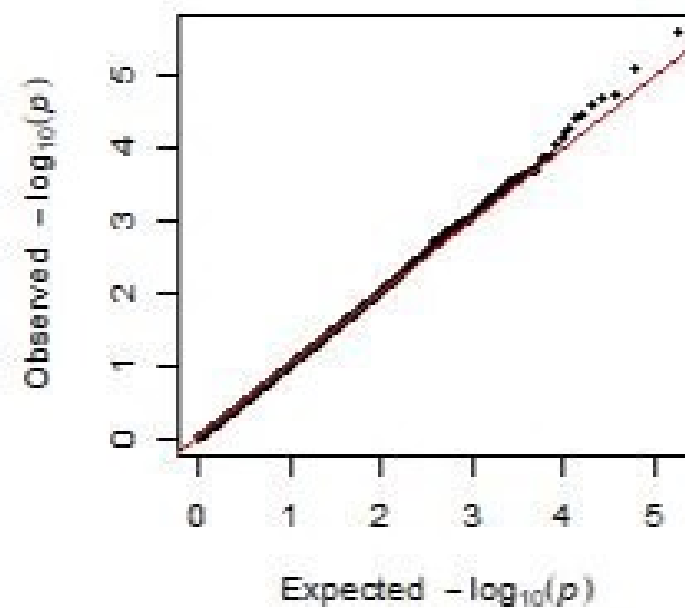
Accounting only for structure



Accounting only for kinship

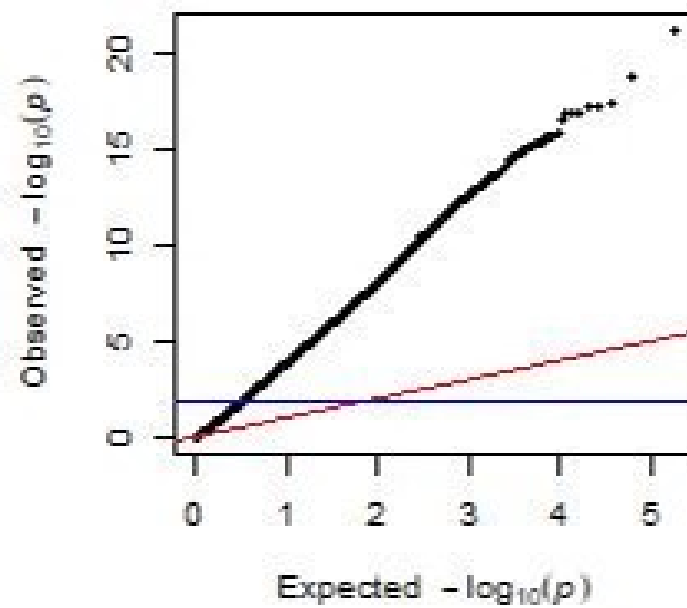


Accounting for kinship and structure

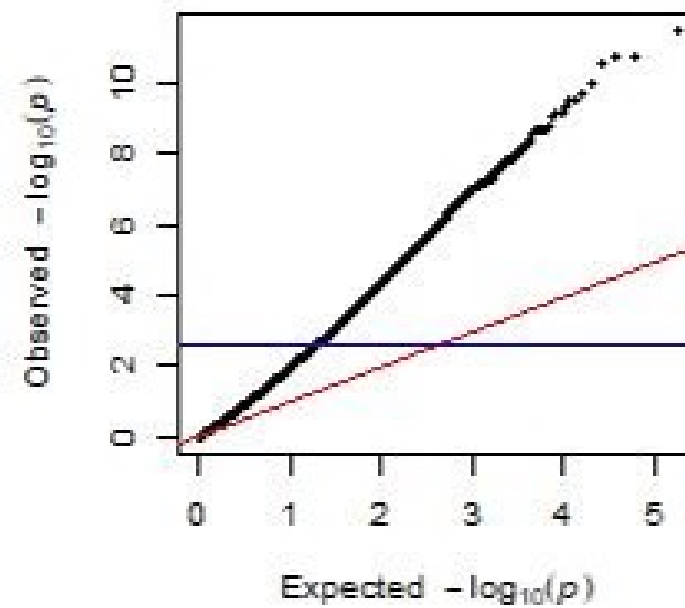


# trait: WSC\_10\_me17

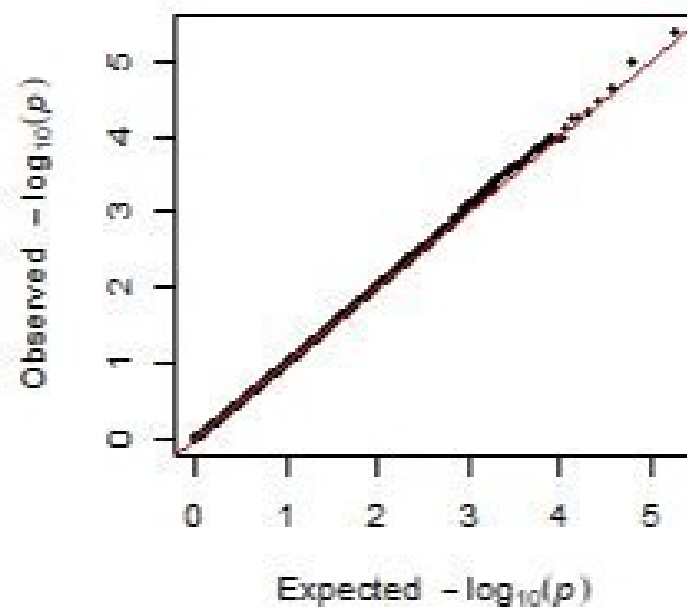
No accounting for kinship or structure



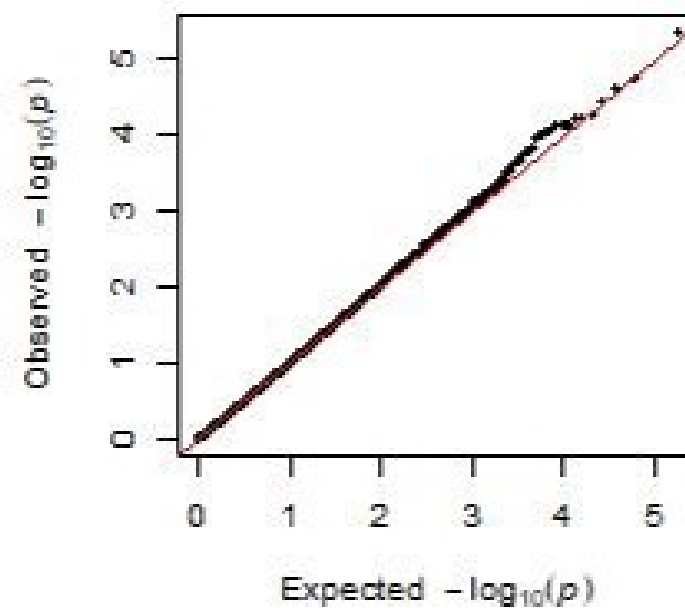
Accounting only for structure



Accounting only for kinship



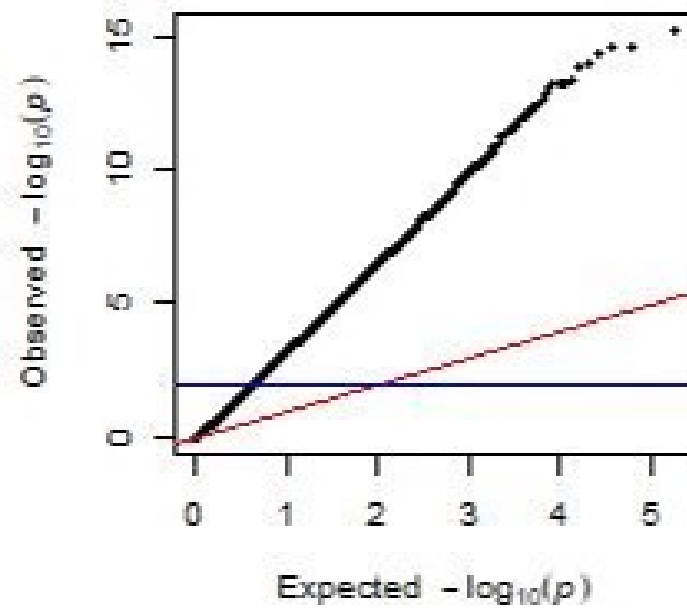
Accounting for kinship and structure



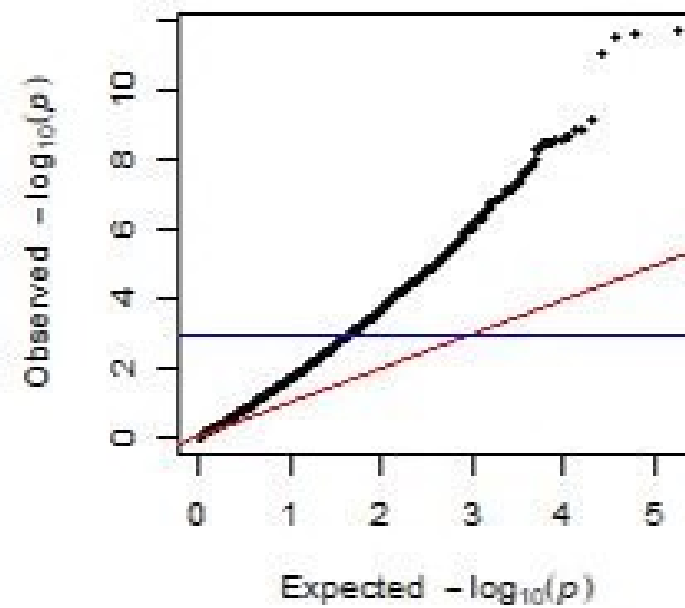


# trait: WSC\_avg

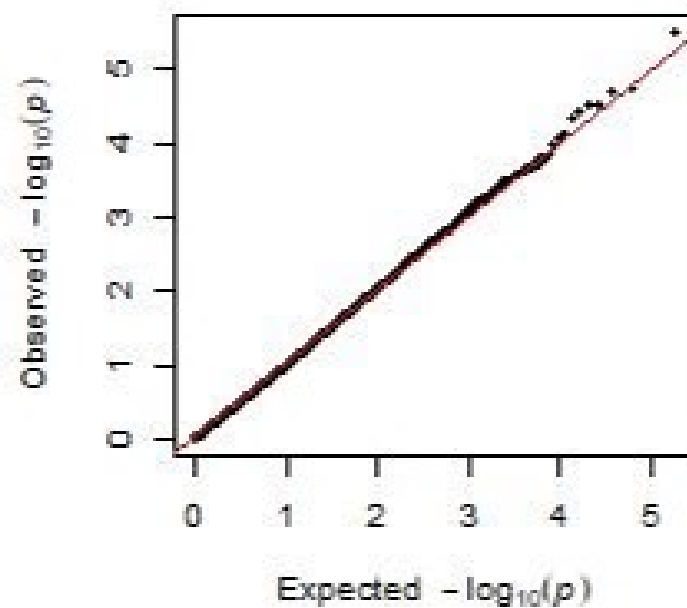
No accounting for kinship or structure



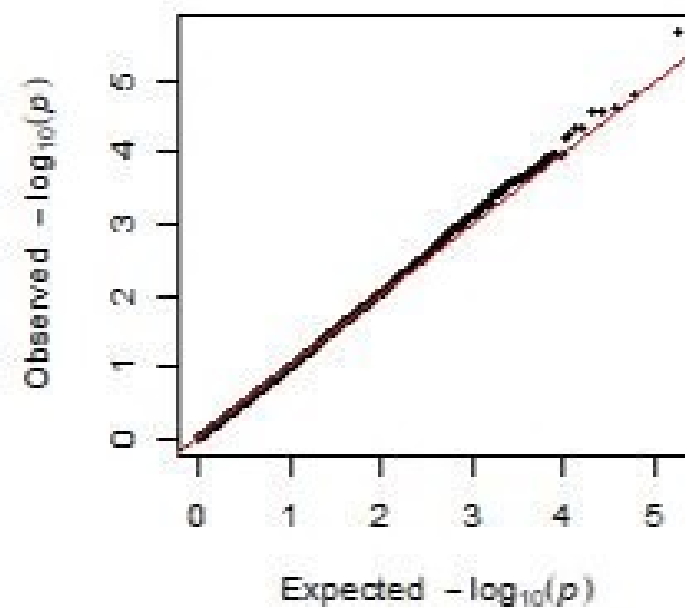
Accounting only for structure



Accounting only for kinship

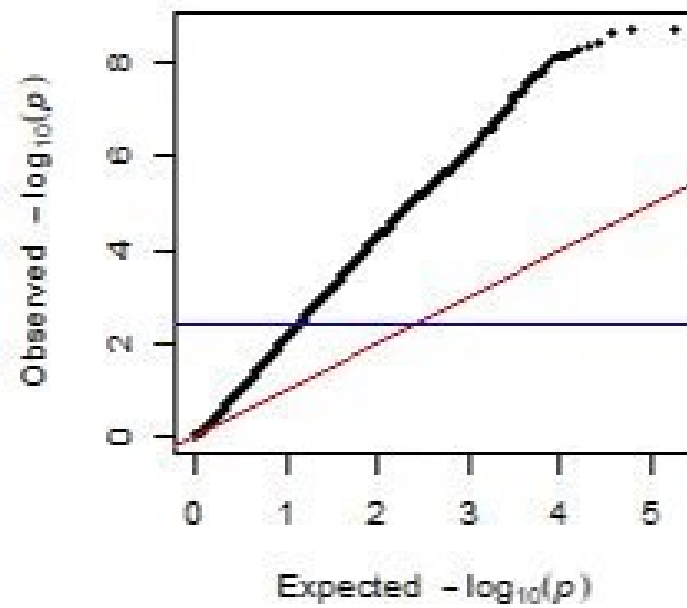


Accounting for kinship and structure

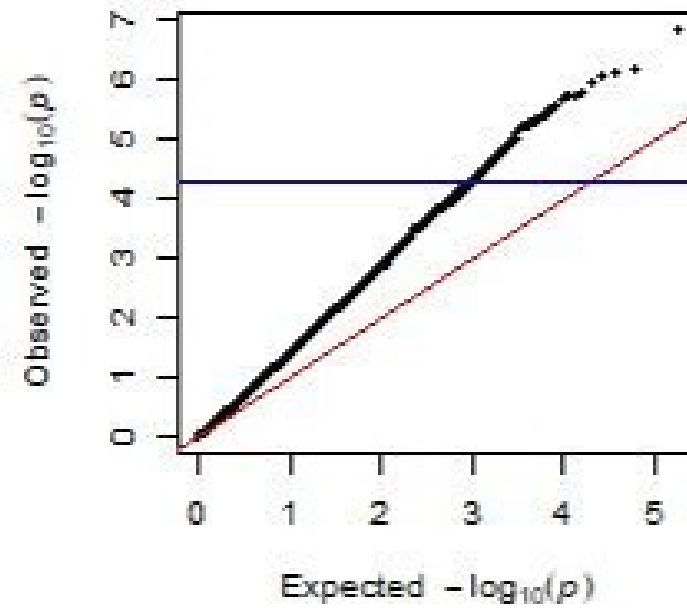


# trait: X.13C\_lu16

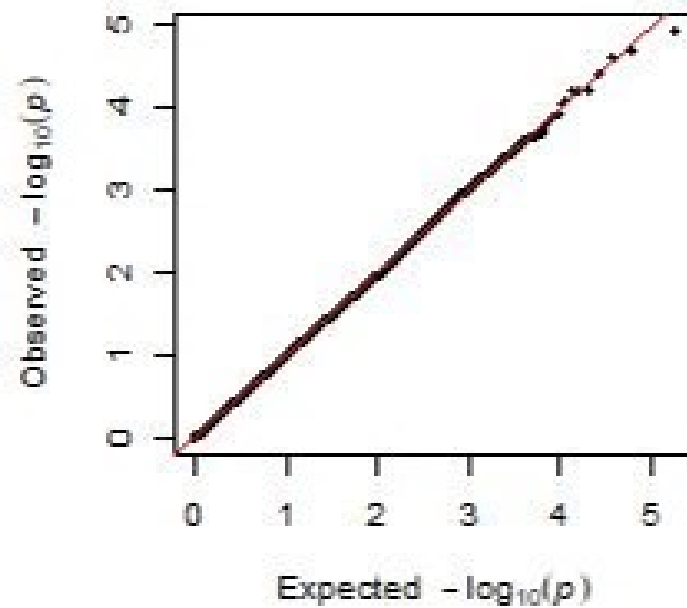
No accounting for kinship or structure



Accounting only for structure



Accounting only for kinship



Accounting for kinship and structure

