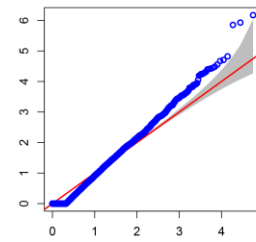
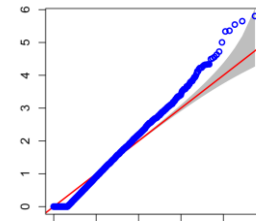
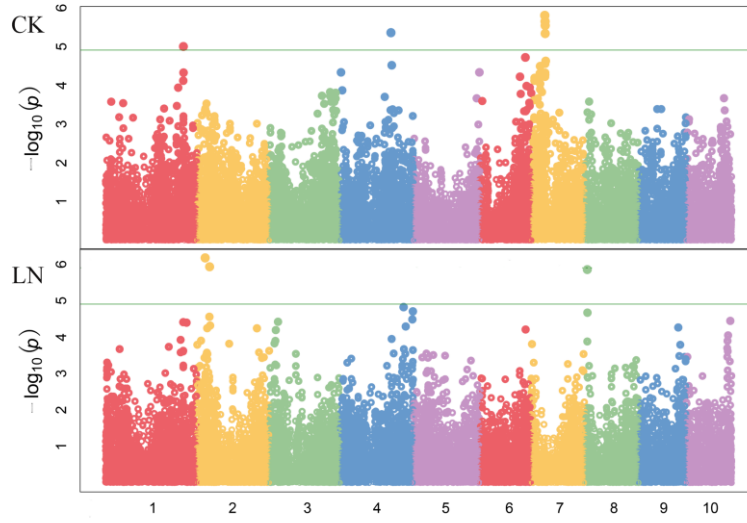
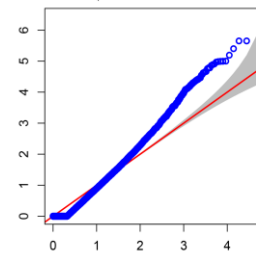
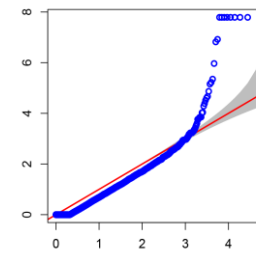
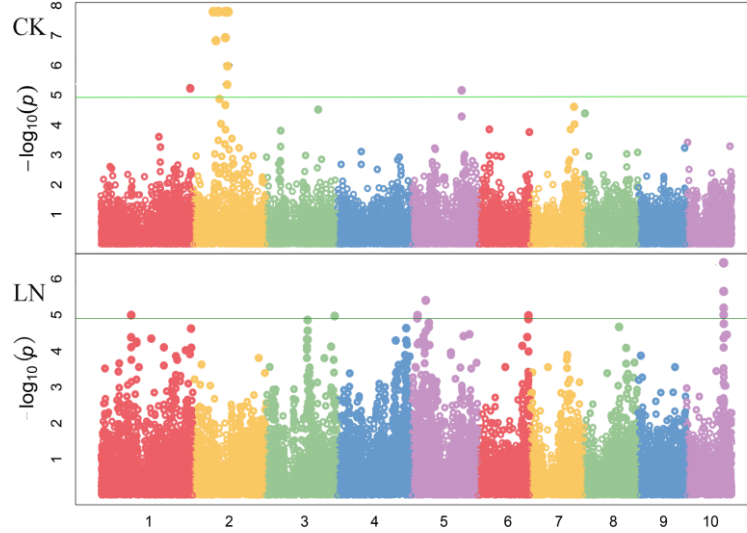


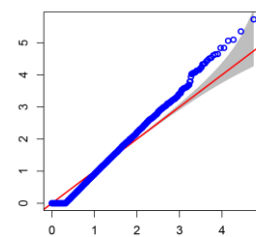
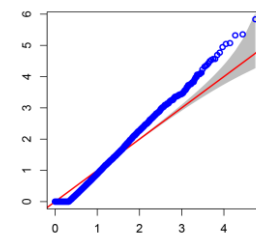
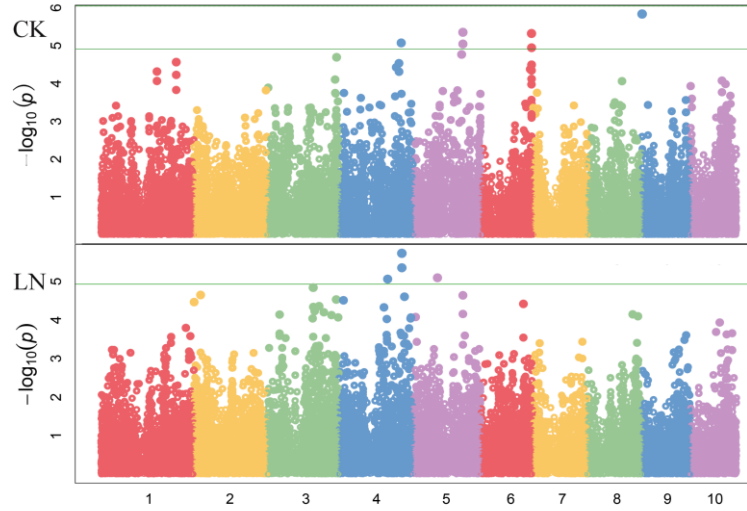
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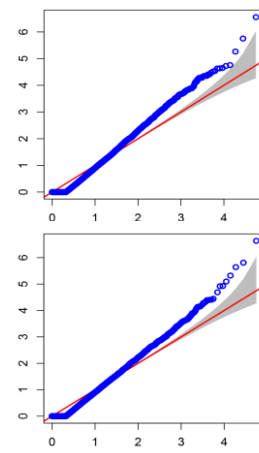
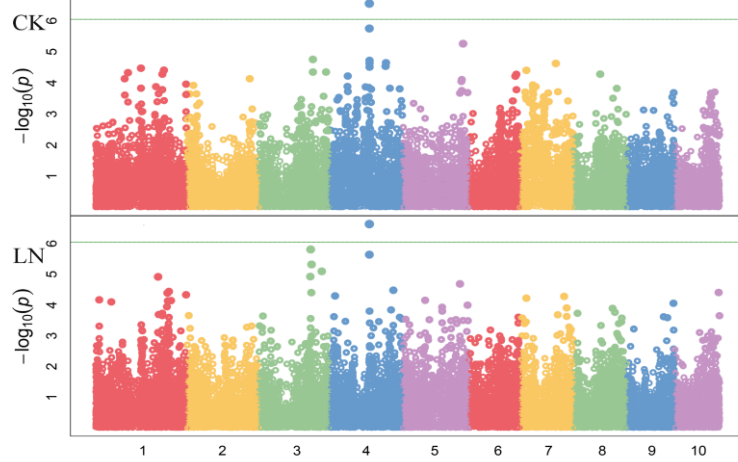
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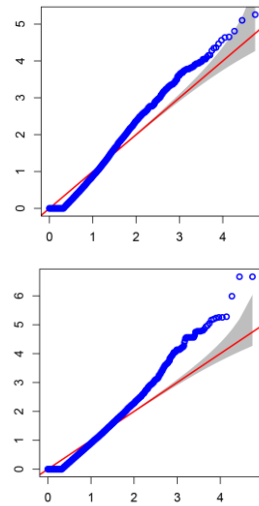
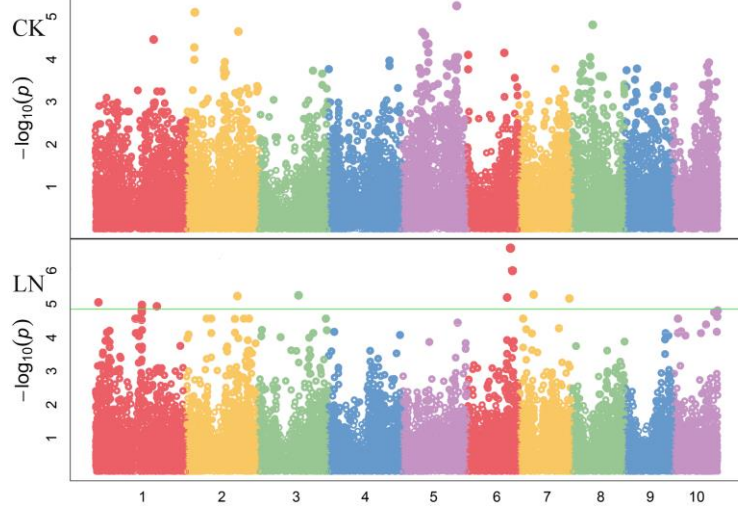
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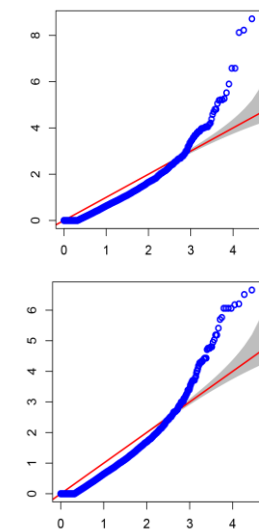
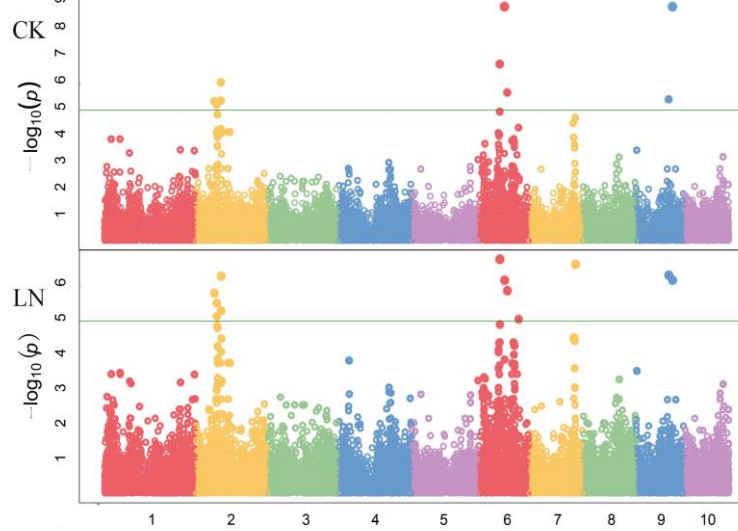
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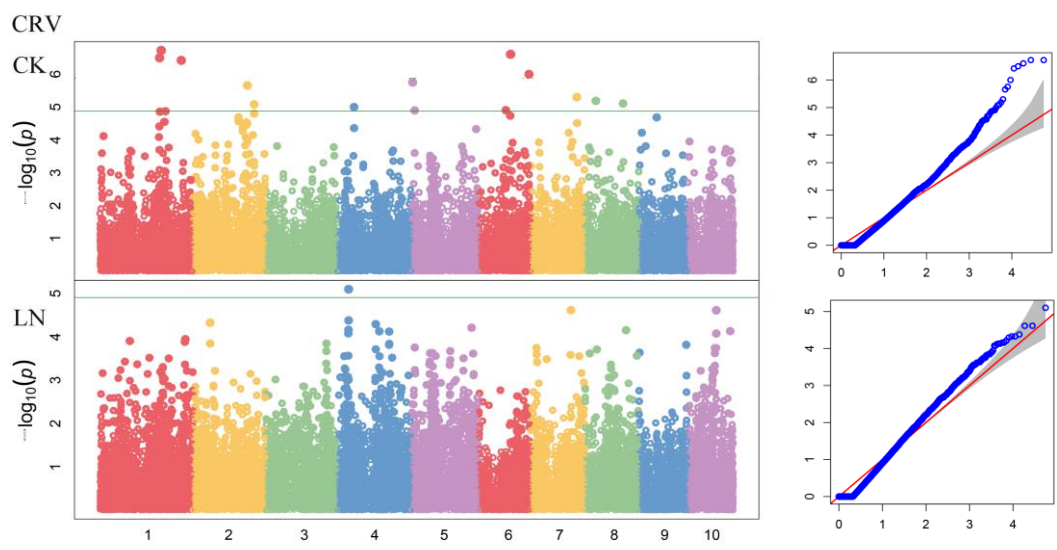
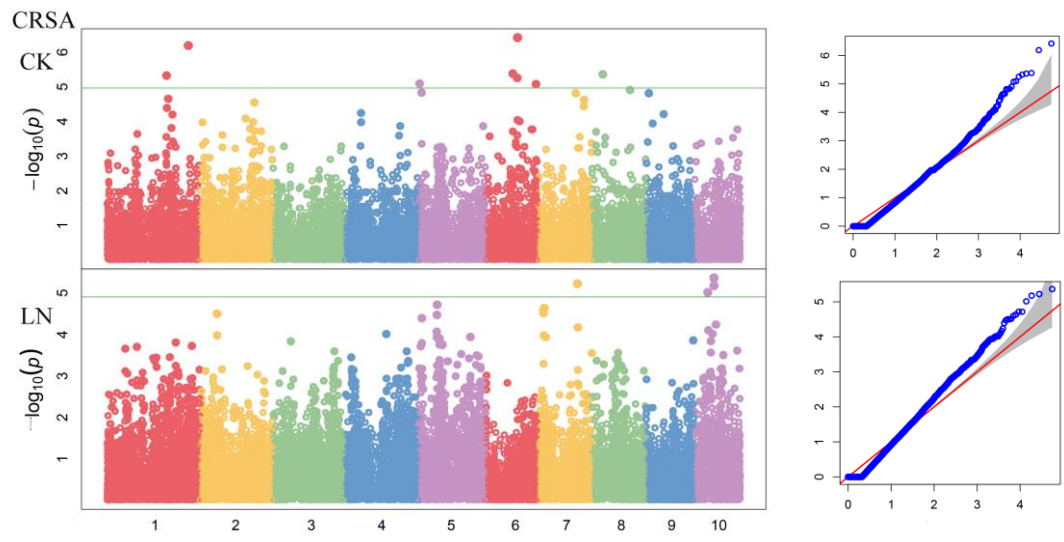
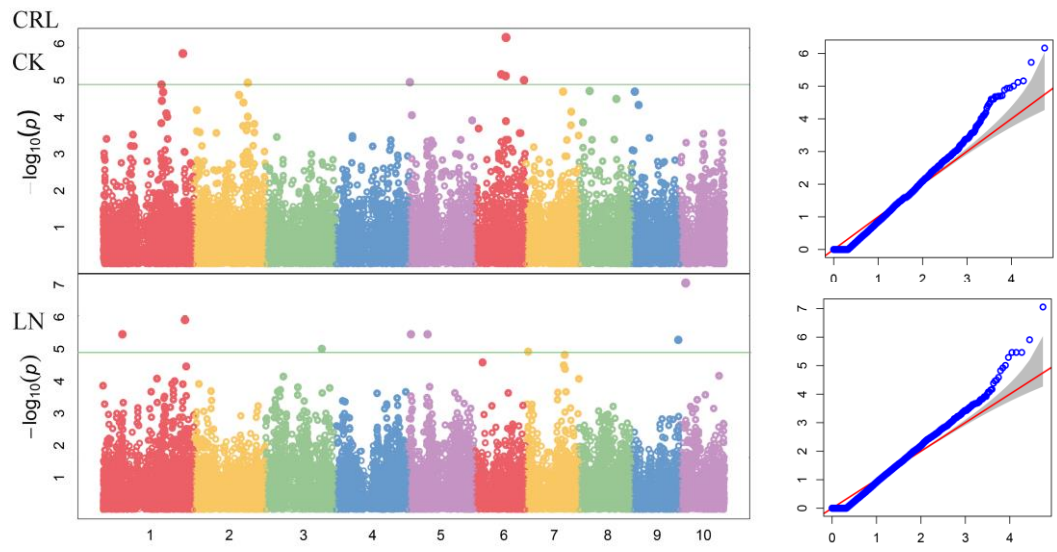


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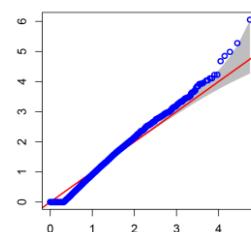
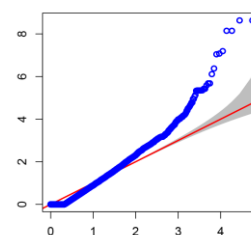
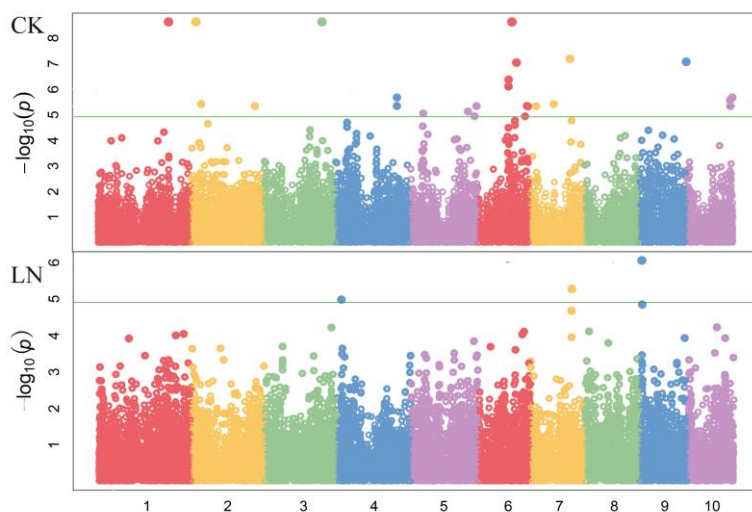


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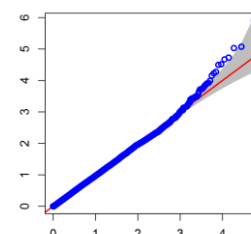
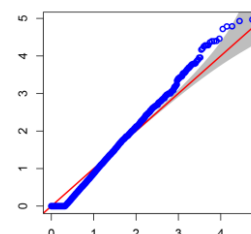
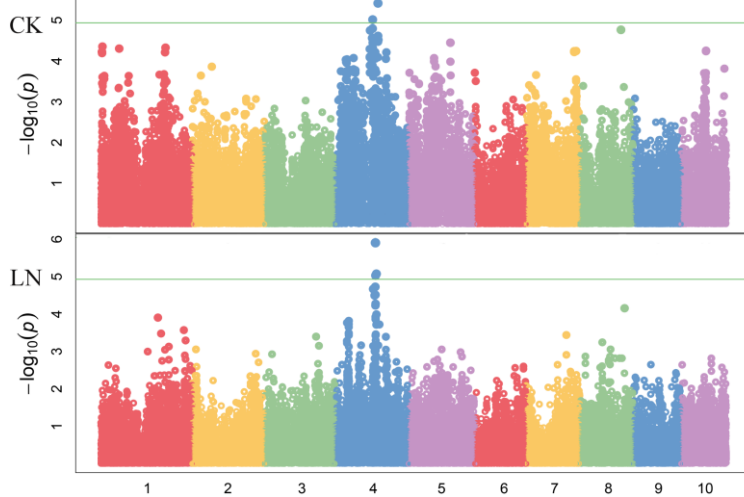




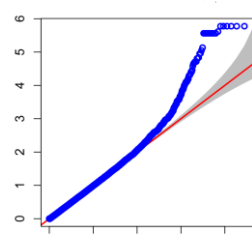
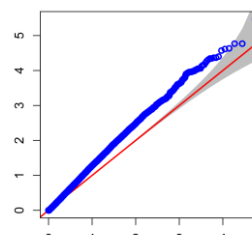
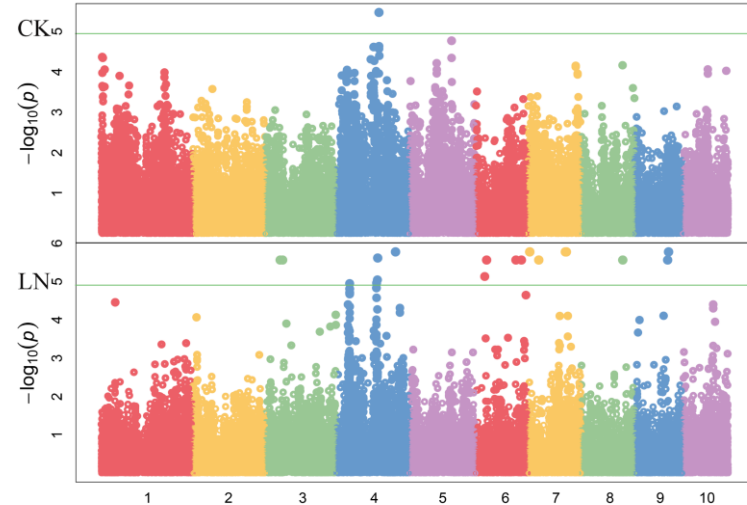
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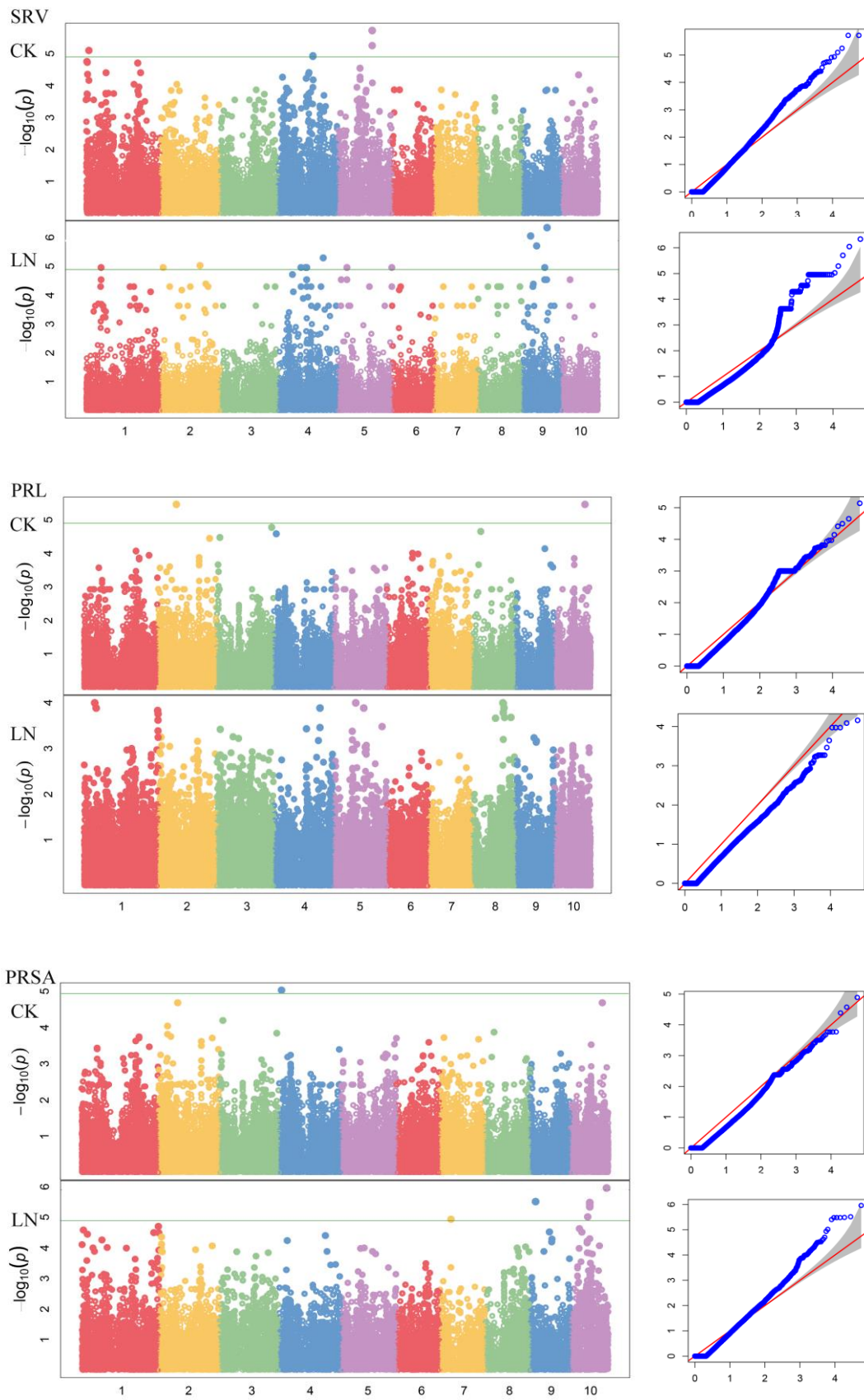
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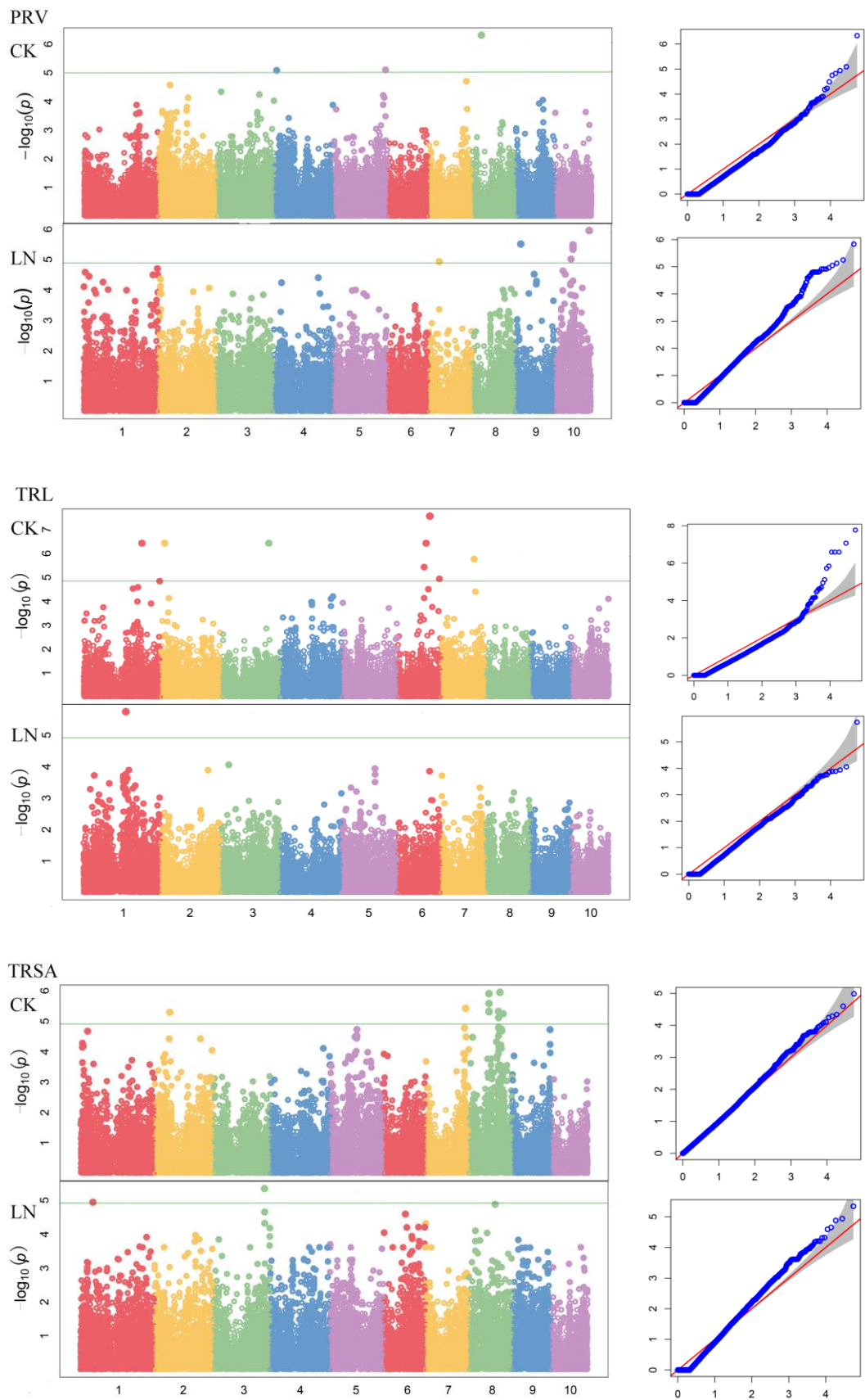


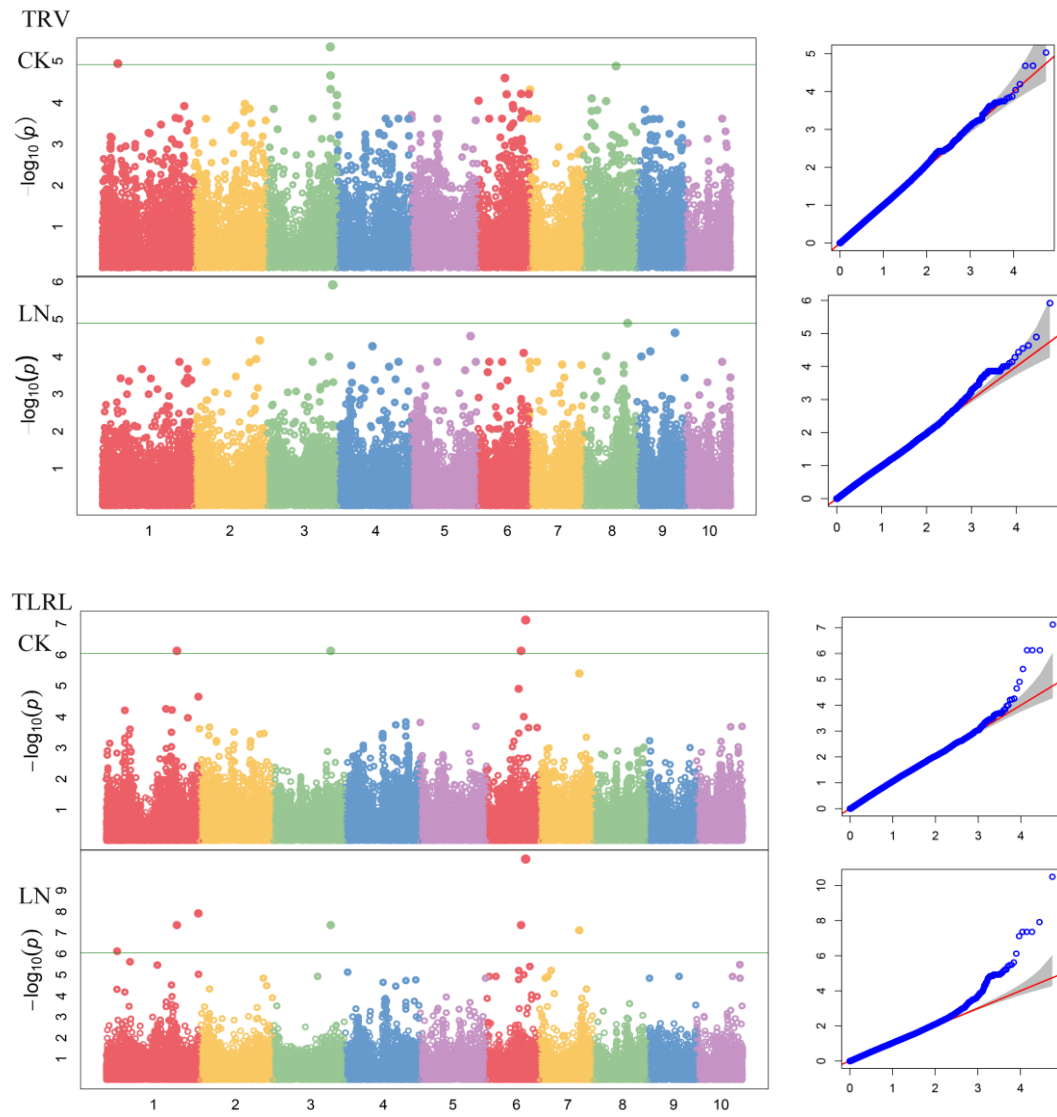
SRSA











**Figure S1. Manhattan plot and QQ plot of 20 traits under CK and LN** The horizontal line in the figure indicates the significant  $-\log_{10}(P)$  value.