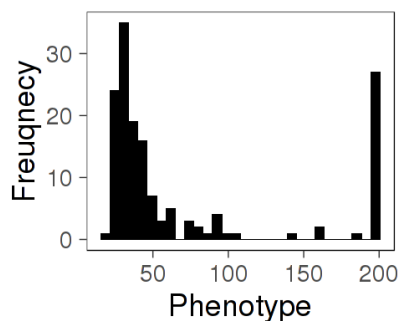
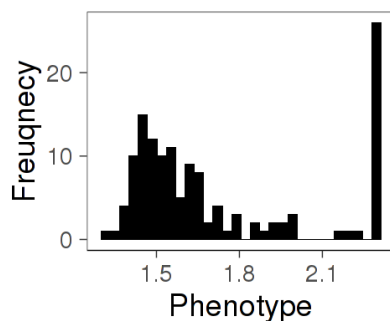


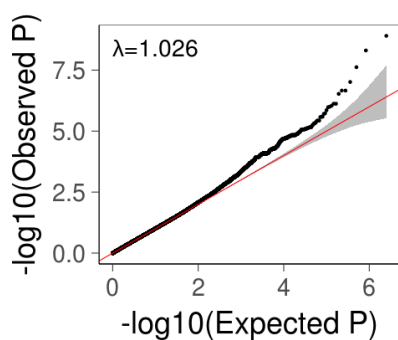
Phenotype histogram and quantile-quantile plots of p-values



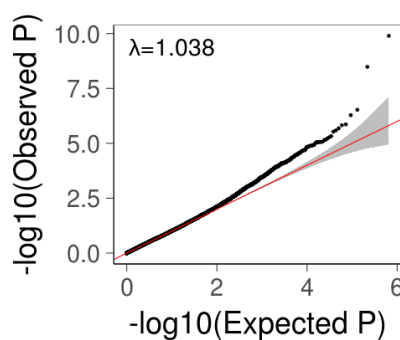
Original phenotype distribution



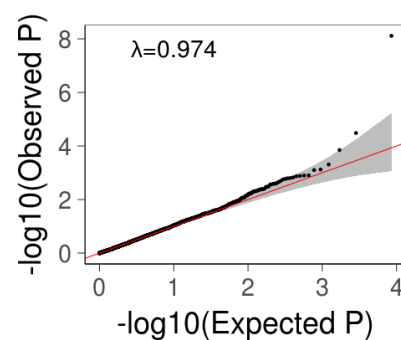
Transformed phenotype distribution



SNP

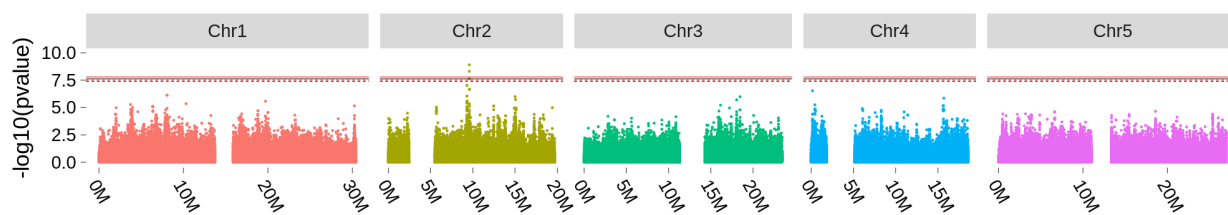


INDEL



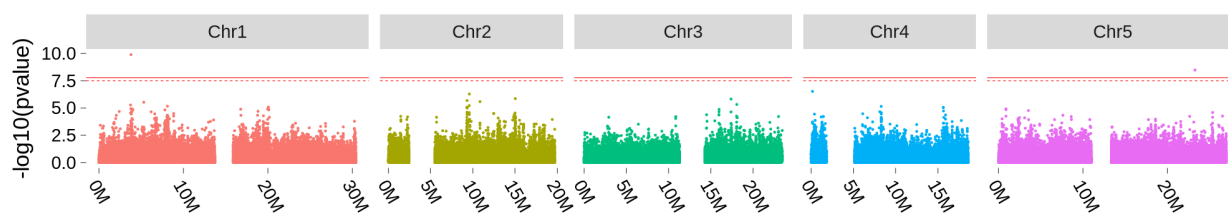
ORF

SNP results



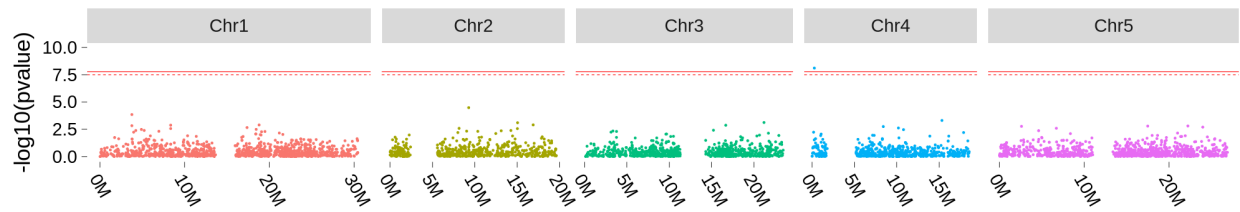
Peak rank	Chr	SNP pos(bp)	$-\log_{10}(\text{pvalue})$	Candidate gene ID	Candidate gene name	Distance to gene(bp)
1	2	9581436	8.906688	AT2G22540	SVP	0

INDEL results



Peak rank	Chr	INDEL pos(bp)	$-\log_{10}(\text{pvalue})$	Candidate gene ID	Candidate gene name	Variation	Distance to gene(bp)
1	1	3785721	9.89584	NA	NA	3bp deletion	NA
2	5	23249423	8.483741	AT5G57380	VIN3	4bp deletion	0

ORFS results



Peak rank	Chr	$-\log_{10}(\text{pvalue})$	Candidate gene ID	Candidate gene name
1	4	8.114638	AT4G00650	FRI