

QTL	Stage	Env.	Flanking markers		RIL'			RIL			BC			MPH		
					LOD	A	Var%	LOD	A	Var%	LOD	A+D	Var%	LOD	D	Var%
<i>qPH-Chr26-3</i>	$\Delta t1-2$	E1	CGR6930	SWU17241							3.36	-0.48	5.99			
	$\Delta t2-3$	E2	CGR6930	SWU17241										3.06	-0.43	6.94
<i>qPH-Chr26-4</i>	$\Delta t3-4$	E1	C2_0135	PGML2321	3.03	0.75	7.49									
XZV hybrid																
<i>qPH-Chr1-1</i>	$\Delta t4-5$	E2	ICR03725	ICR03724	3.34	0.86	8.03									
<i>qPH-Chr2-1</i>	$\Delta t2-3$	E2	SWU11889	JESPR304				3.05	0.95	6.57						
	$\Delta t2-3$	E1	TMB1268	SWU11976							2.63	-0.63	5.51			
<i>qPH-Chr11-1</i>	$\Delta t1-2$	E1	CGR5421	MUSS278	2.65	-0.55	5.62									
	$\Delta t1-2$	E1	CGR5421	MUSS278				2.65	-0.57	5.26						
<i>qPH-Chr12-1</i>	$\Delta t1-2$	E2	Gh568	CGR5111	4.14	0.77	8.52									
<i>qPH-Chr13-1</i>	$\Delta t1-2$	E1	SWU13032	HAU2850				3.89	-0.79	10.42						
	$\Delta t1-2$	E1	SWU13032	HAU2850	3.97	-0.72	9.54									
<i>qPH-Chr13-2</i>	$\Delta t1-2$	E1	NAU3398	CGR5331				4.53	-0.81	10.73						
<i>qPH-Chr14-1</i>	$\Delta t4-5$	E1	HAU1000	TMB1931				7.98	0.75	19.09						
<i>qPH-Chr14-2</i>	$\Delta t1-2$	E2	BNL3661	PGML4891	3.10	0.66	6.29									
	$\Delta t1-2$	E2	BNL3661	PGML4891							3.25	0.59	6.78			
<i>qPH-Chr15-1</i>	$\Delta t2-3$	E2	NAU3736	SWU11691	3.01	0.81	8.66									
<i>qPH-Chr16-1</i>	$\Delta t2-3$	E1	DPL0897	SWU20341							3.43	0.72	7.13			
<i>qPH-Chr20-1</i>	$\Delta t3-4$	E1	SWU20246	Gh451							3.40	-0.69	7.15			
	$\Delta t3-4$	E1	SWU20246	Gh451					(± 0.11)					3.80	-0.58	8.27
<i>qPH-Chr20-2</i>	$\Delta t2-3$	E1	DPL0131	DPL0777							3.84	-0.76	8.02			
	$\Delta t2-3$	E1	DPL0131	DPL0777				2.60	-0.79	5.05						

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				LOD	A	Var%	LOD	A	Var%	LOD	A+D	Var%	LOD	D	Var%	
	$\Delta t3-4$	E2	DPL0377	SWU19413							4.44	-0.86	11.22			
<i>qPH-Chr26-1</i>	$\Delta t3-4$	E1	SWU16777	SWU16780			3.03	-0.59	5.96							
	$\Delta t4-5$	E2	SWU16780	SWU16735							3.20	0.64	6.75			

Bold figures indicate the QTL was detected in more than two environments or populations simultaneously

Env., Environment, E1: Handan; E2: Cangzhou

Effect, the genetic expectation of a QTL effect obtained is the additive effect (A) when estimated from the RILs and RIL's, the additive and dominance effects (A+D) from the BCF₁ mean values

Var%, Phenotypic variation explained by a single QTL