

Table S2 Number of selected variables with LASSO and the elastic net for three experimental data sets.

Data	Trait	<i>n</i>	LASSO	Elastic net
Rice	Flowering time	359	74.2 ± 6.1	246.8 ± 15.7
	Plant height	383	137.5 ± 6.6	262.0 ± 3.5
	Panicle length	375	91.5 ± 6.5	171.1 ± 10.6
	Seed length	377	184.4 ± 7.8	299.8 ± 4.9
Wheat	Yield	254	66.8 ± 3.8	104.1 ± 2.3
	Thousand-kernel weight	254	50.1 ± 2.7	78.1 ± 3.4
	Days to heading	254	42.3 ± 0.5	55.7 ± 2.1
<i>Arabidopsis</i>	Flowering time	180	133.7 ± 4.8	206.1 ± 4.2
	Plant diameter	180	59.8 ± 4.9	109.0 ± 7.1
	FRI gene expression	164	35.4 ± 3.1	84.8 ± 6.4
	Plant width	176	103.0 ± 9.1	218.3 ± 8.3

The average number ± SE of selected variables was evaluated across 50 cross-validation runs.