

S2 Table: The phenotype of loss-of-function alleles of miR156-regulated *SPL* genes in LD

	Juvenile leaves	Rosette leaves	Cauline leaves	Days to flower	n
Experiment 1					
Col	4.6 ± 0.1	10.8 ± 0.1	N.D.	26.3 ± 1.0	18
<i>spl9-2</i>	6.2 ± 0.2 ^a	12.3 ± 0.1 ^a	N.D.	24.4 ± 0.6	22
<i>spl9-4</i>	6.2 ± 0.1 ^a	13.2 ± 0.2 ^a	N.D.	24.7 ± 0.8	22
<i>spl15-1</i>	5.3 ± 0.1	10.7 ± 0.1	N.D.	27.5 ± 0.9	22
<i>spl15-2</i>	5.0 ± 0.1	11.8 ± 0.1 ^a	N.D.	25.7 ± 1.0	21
Experiment 2					
Col	5.1 ± 0.1	11.3 ± 0.3	3.0 ± 0.1	26.9 ± 0.3	23
<i>spl10-2</i>	4.9 ± 0.1	11.0 ± 0.2	3.0 ± 0.1	25.7 ± 0.2	23
<i>spl10-4</i>	5.0 ± 0.1	11.0 ± 0.2	3.1 ± 0.1	25.9 ± 0.2	23
<i>spl11-1</i>	6.2 ± 0.2 ^a	11.8 ± 0.3	3.5 ± 0.2 ^a	26.8 ± 0.4	22
<i>spl10-3/spl11-1</i>	6.4 ± 0.2 ^a	12.8 ± 0.2 ^a	3.8 ± 0.1 ^a	26.9 ± 0.2	24
Experiment 3					
Col	4.6 ± 0.1	10.3 ± 0.2	2.8 ± 0.1	26.0 ± 0.3	22
<i>spl13-1</i>	5.5 ± 0.2 ^a	11.5 ± 0.3 ^a	2.7 ± 0.1	26.6 ± 0.2	23
<i>spl13-2</i>	5.6 ± 0.2 ^a	10.8 ± 0.3	2.6 ± 0.1	26.5 ± 0.2	23
<i>spl13-3</i>	5.5 ± 0.1 ^a	10.9 ± 0.2	2.9 ± 0.1	25.2 ± 0.3	23
<i>spl9-4/spl15-1/spl13-1</i>	14.8 ± 0.2 ^{ab}	22.3 ± 0.5 ^a	3.1 ± 0.1	30.8 ± 0.3 ^a	40
<i>spl9-4/spl15-1/spl13-3</i>	14.8 ± 0.1 ^{ab}	20.6 ± 0.3 ^a	2.5 ± 0.1	29.3 ± 0.2 ^a	22
Experiment 4					
Col	4.6 ± 0.1	11.0 ± 0.3	3.0 ± 0.1	28.0 ± 0.3	23
<i>spl2-1</i>	5.0 ± 0.1	11.2 ± 0.3	2.9 ± 0.1	27.7 ± 0.4	21
<i>spl9-4</i>	7.3 ± 0.1 ^a	13.0 ± 0.2 ^a	3.0 ± 0.1	28.0 ± 0.3	23
<i>spl11-1</i>	5.4 ± 0.2 ^a	11.2 ± 0.3	3.5 ± 0.2	26.8 ± 0.4	21
<i>spl13-1</i>	6.4 ± 0.2 ^a	12.2 ± 0.3 ^a	2.8 ± 0.1	28.0 ± 0.4	22
<i>spl15-1</i>	4.4 ± 0.1	11.1 ± 0.3	2.7 ± 0.1	26.3 ± 0.4	21
<i>spl2 spl9</i>	7.8 ± 0.2 ^a	13.2 ± 0.5 ^a	2.7 ± 0.2	28.2 ± 0.5	21
<i>spl2 spl13</i>	6.6 ± 0.2 ^a	11.9 ± 0.3	2.6 ± 0.1	28.3 ± 0.4	22
<i>spl2 spl9 spl11</i>	6.8 ± 0.1 ^a	11.9 ± 0.2	2.2 ± 0.1	25.8 ± 0.3	24
<i>spl13 spl15</i>	5.5 ± 0.1 ^a	12.7 ± 0.4 ^a	3.5 ± 0.2	28.5 ± 0.5	24
<i>spl2 spl13 spl15</i>	7.7 ± 0.2 ^a	16.4 ± 0.4 ^b	3.1 ± 0.1	29.7 ± 0.3	23
<i>spl9 spl15</i>	8.2 ± 0.2 ^{ab}	16.5 ± 0.4 ^b	3.2 ± 0.1	30.2 ± 0.4 ^{ab}	21
<i>spl2 spl9 spl15</i>	9.2 ± 0.2 ^{ab}	18.8 ± 0.5 ^c	3.4 ± 0.1	29.8 ± 0.3 ^{ab}	24
<i>spl2 spl9 spl11 spl15</i>	8.4 ± 0.2 ^{ab}	16.3 ± 0.4 ^b	2.6 ± 0.1	28.5 ± 0.4	24
<i>spl9 spl13</i>	12.9 ± 0.3 ^{bc}	16.6 ± 0.4 ^b	2.9 ± 0.1	29.5 ± 0.6 ^{ab}	21
<i>spl2 spl9 spl13</i>	13.2 ± 0.3 ^{bc}	16.7 ± 0.3 ^b	2.7 ± 0.1	29.0 ± 0.4 ^{ab}	24
<i>spl9 spl13 spl15</i>	18.9 ± 0.3 ^{cd}	27.1 ± 0.6 ^{cd}	4.1 ± 0.1 ^{cd}	33.0 ± 0.3 ^{cd}	23

^a significantly greater than Col

^b significantly greater than parents

^c significantly greater than *sp19/15*

^d significantly greater than *sp19/13*

N.D. Not determined