

Table S3 The growth habit and days to heading of the DH lines that were used in the expression experiment for *VRN-1* genes.

Line	Genotype	Growth habit	No. of plants used		Days to heading (days)	
			Unvernalized	vernalized	Unvernalized	Vernalized
Lebsock	<i>Vrn-A1Vrn-A1 vrn-B1vrn-B1</i>	Spring	5	-	51.6	-
PI 94749	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	67	-
LP749-7	<i>Vrn-A1Vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	54	-
LP749-16	<i>Vrn-A1Vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	47	-
LP749-71	<i>Vrn-A1Vrn-A1 Vrn-B1Vrn-B1</i>	Spring	4	-	50	-
LP749-80	<i>Vrn-A1Vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	49.2	-
LP749-8	<i>Vrn-A1Vrn-A1 vrn-B1vrn-B1</i>	Spring	5	-	54.4	-
LP749-11	<i>Vrn-A1Vrn-A1 vrn-B1vrn-B1</i>	Spring	4	-	52.5	-
LP749-82	<i>Vrn-A1Vrn-A1 vrn-B1vrn-B1</i>	Spring	5	-	56	-
LP749-97	<i>Vrn-A1Vrn-A1 vrn-B1vrn-B1</i>	Spring	5	-	56.4	-
LP749-10	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	4	-	50.3	-
LP749-18	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	55.4	-
LP749-20	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	4	-	52.3	-
LP749-43	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	56.6	-
LP749-54	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	58.8	-
LP749-58	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	55.4	-
LP749-65	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	4	-	47.8	-

LP749-88	<i>vrn-A1vrn-A1 Vrn-B1Vrn-B1</i>	Spring	5	-	49.4	-
LP749-25	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	5	-	92.6	-
LP749-28	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	5	-	105	-
LP749-30	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	5	-	145	-
LP749-34	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	3	-	97	-
LP749-53	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	4	-	111.3	-
LP749-36	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	5	5	145	112.8
LP749-61	<i>vrn-A1vrn-A1 vrn-B1vrn-B1</i>	Winter	5	5	145	106.8
