

Supplement table 3.

## Estimated period length of transgenic lines over-expressing bHLH transcription factors

genes	At number	line	n	Period	± SE	comments	control plants		
							n	Period	± SE
<i>bHLH1/GL3</i>	At5g41315	2	23	24.91	± 0.20		18	24.72	± 0.15
		3	21	24.79	± 0.26		22	24.71	± 0.10
<i>bHLH3</i>	At4g16430	5	56	24.83	± 0.23		51	24.65	± 0.23
		7	31	25.02	± 0.21		31	24.36	± 0.31
		10	31	24.48	± 0.25		29	25.03	± 0.19
<i>bHLH7</i>	At1g03040	1	21	25.30	± 0.31		18	25.21	± 0.08
		5	14	25.02	± 0.17		15	25.63	± 0.16
<i>bHLH12/AtMYC1</i>	At4g00480	1	18	25.17	± 0.27		18	25.38	± 0.23
		2	23	25.02	± 0.20		18	25.42	± 0.37
<i>bHLH16</i>	At4g00050	1	32	25.04	± 0.25		29	25.39	± 0.36
		4	28	24.91	± 0.20		29	24.45	± 0.41
		5	12	24.82	± 0.41		14	24.95	± 0.40
		6	8	25.00	± 0.43		10	24.84	± 0.12
<i>bHLH19</i>	At2g22760	1	7	24.82	± 0.22		10	24.84	± 0.12
		3	14	24.47	± 0.64		11	25.07	± 0.17
<i>bHLH29</i>	At2g28160	1.1	36	24.69	± 0.20		30	24.54	± 0.15
		1.2	31	24.80	± 0.16		27	24.81	± 0.28
<i>bHLH101</i>	At5g04150	3	12	24.64	± 0.23		11	24.44	± 0.33
<i>bHLH7</i>	At1g03040	E	21	24.51	± 0.54		16	24.31	± 0.35
		H	28	24.25	± 0.33		29	24.33	± 0.42
		J	13	26.31	± 0.99		11	24.63	± 0.11
<i>bHLH5/ATR2/AtMYC1</i>	At5g46760	B	36	24.65	± 0.29		28	24.40	± 0.27
		C	23	24.37	± 0.25		30	24.18	± 0.39
		E	12	30.02	± 3.88		11	24.77	± 0.26
<i>bHLH14</i>	At4g00870	C	28	24.74	± 0.25		30	24.57	± 0.26
		D	44	25.22	± 0.29	long*	41	24.73	± 0.27
		J	35	25.56	± 0.35	long*	35	23.86	± 0.27
		K	32	24.98	± 0.43		31	24.67	± 0.26
<i>bHLH18</i>	At2g22750	A	23	24.82	± 0.31		25	24.14	± 0.32
		B	28	24.98	± 0.30		25	23.89	± 0.27
		C	13	24.62	± 0.16		15	24.18	± 0.37
<i>bHLH28</i>	At5g46830	A	12	24.54	± 0.28		12	23.97	± 0.10
		B	18	23.97	± 0.19		18	23.78	± 0.22
<i>bHLH38/ORG2</i>	At3g56970	B	15	23.88	± 0.44		18	25.79	± 0.26
		C	18	25.56	± 0.21		22	25.41	± 0.23
<i>bHLH39/ORG3</i>	At3g56980	E	35	25.26	± 0.34	long*	49	24.49	± 0.29
		G	24	24.37	± 0.29		28	24.58	± 0.30
		I	27	24.73	± 0.69		33	24.20	± 0.20
		J	5	24.53	± 0.30		12	24.27	± 0.24
		K	9	24.64	± 0.14		9	24.46	± 0.29
<i>bHLH42/TT8</i>	At4g09820	C	11	24.54	± 0.53		21	24.36	± 0.26
		E	10	24.58	± 0.16		9	24.37	± 0.09
		J	7	24.06	± 0.17		4	25.87	± 0.50
		L	15	27.57	± 0.86		18	24.90	± 0.42
<i>bHLH50/BBE3</i>	At1g73830	A	14	25.19	± 0.44		18	24.90	± 0.42
		E	39	25.11	± 0.62		30	24.68	± 0.20
<i>bHLH68</i>	At4g29100	A	17	24.91	± 0.18	long*	27	24.64	± 0.31
		B	32	25.14	± 0.24		31	24.85	± 0.20
<i>bHLH69</i>	At4g30980	A	47	25.20	± 0.44	phase	42	24.98	± 0.18
		B	51	25.39	± 0.33	phase/long*	51	24.61	± 0.21
		D	17	24.92	± 0.21	phase	18	24.28	± 0.15
		E	8	24.70	± 0.37	phase	4	25.87	± 0.50
		I	22	24.19	± 0.25	phase	21	24.95	± 0.32
<i>bHLH72</i>	At5g61270	A	27	24.93	± 0.34		33	24.76	± 0.33
		B	24	25.92	± 0.40	long*	22	25.00	± 0.30
		C	5	24.42	± 0.35		10	24.83	± 0.42
		D	10	24.37	± 0.22		9	24.63	± 0.17

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<b>bHLH81</b>	<b>At4g09180</b>	<b>B</b>	24	25.33	± 0.90		19	24.44	± 0.35
		<b>C</b>	17	24.52	± 0.41		17	24.52	± 0.23
<b>bHLH87</b>	<b>At3g21330</b>	<b>B</b>	20	24.33	± 0.32		17	24.52	± 0.23
		<b>C</b>	17	24.87	± 0.21		18	24.56	± 0.52
<b>bHLH88</b>	<b>At5g67060</b>	<b>D</b>	22	24.65	± 0.28		18	24.19	± 0.31
		<b>E</b>	11	24.83	± 0.27		20	24.98	± 0.39
		<b>N</b>	8	24.82	± 0.15		6	25.37	± 1.12
<b>bHLH91</b>	<b>At2g31210</b>	<b>F</b>	5	25.25	± 0.19		10	24.83	± 0.42
		<b>L</b>	13	24.57	± 0.08		9	24.86	± 0.20
<b>bHLH92</b>	<b>At5g43650</b>	<b>A</b>	39	25.17	± 0.33	long	11	23.96	± 0.26
		<b>B</b>	20	24.85	± 0.28	long	9	24.31	± 0.23
		<b>D</b>	31	24.90	± 0.34	long	11	24.40	± 0.24
		<b>E</b>	36	24.69	± 0.37	long	11	23.91	± 0.20
<b>bHLH100</b>	<b>At2g41240</b>	<b>D</b>	9	25.23	± 0.74		6	24.20	± 0.26
		<b>E</b>	20	24.12	± 0.24		10	24.17	± 0.24
<b>bHLH105</b>	<b>At5g54680</b>	<b>E</b>	20	24.05	± 0.26		19	24.03	± 0.18
		<b>I</b>	17	24.59	± 0.53		16	24.19	± 0.21
<b>bHLH125</b>	<b>At1g62975</b>	<b>B</b>	30	24.55	± 0.35		23	24.01	± 0.32
		<b>C</b>	41	24.78	± 0.29		39	24.02	± 0.27
		<b>D</b>	21	25.02	± 0.45		27	24.51	± 0.49
		<b>H</b>	6	24.43	± 0.27		10	24.06	± 0.37
<b>bHLH6/RAP1/AtMYC2</b>	<b>At1g32640</b>	<b>A</b>	13	24.87	± 0.41		10	23.96	± 0.30
		<b>B</b>	27	24.52	± 0.26		32	24.58	± 0.21
		<b>C</b>	29	24.91	± 0.20	long*	32	23.91	± 0.20
		<b>D</b>	9	24.90	± 0.28	long*	10	24.46	± 0.34