

Table S2

A. *Hel1\_105* elements with fragments of a gene encoding a phosphatase-like protein

<i>Helitron</i> *	5' end % identity	3' end % identity	Accession	Begin	End	Size, bp	Orient.	Chromos.
<i>Hel1_105a</i>			<a href="#">AC195884.3</a>	174713	176329	1617	F	1
	98%							
<i>Hel1_105b</i>	100	98	<a href="#">AC206916.1</a>	63875	62261	1615	RC	1
<i>Hel1_105c</i>	100	100	<a href="#">AC204401.2</a>	44985	46576	1592	F	6
<i>Hel1_105d</i>	100	96	<a href="#">AC186310.4</a>	59328	60836	1509	F	4
	97%							
<i>Hel1_105e</i>	100	100	<a href="#">AC213049.1</a>	35106	36796	1691	F	UNK
<i>Hel1_105f</i>	100	98	<a href="#">AC190811.1</a>	76478	74800	1679	RC	2
<i>Hel1_105g</i>	100	98	<a href="#">AC190928.1</a>	83404	85076	1673	F	2
<i>Hel1_105h</i>	100	100	<a href="#">AC196198.2</a>	9962	8344	1619	RC	8
<i>Hel1_105i</i>	95	98	<a href="#">AC190717.2</a>	85199	83582	1618	RC	3
<i>Hel1_105j</i>	100	98	<a href="#">AC206874.1</a>	141595	143211	1617	F	5
<i>Hel1_105k</i>	100	98	<a href="#">AC194851.3</a>	137007	135393	1615	RC	1
<i>Hel1_105l</i>	100	100	<a href="#">AC186621.4</a>	163261	164875	1615	F	1
<i>Hel1_105m</i>	100	96	<a href="#">AC196425.3</a>	108629	110242	1614	F	2
<i>Hel1_105n</i>	100	96	<a href="#">AC205078.2</a>	80186	78573	1614	RC	2
<i>Hel1_105o</i>	100	96	<a href="#">AC204592.1</a>	155393	157006	1614	F	UNK
<i>Hel1_105p</i>	95	100	<a href="#">AC187547.4</a>	121761	123374	1614	F	6
<i>Hel1_105q</i>	95	98	<a href="#">AC194465.3</a>	120395	122007	1613	F	9
<i>Hel1_105r</i>	100	98	<a href="#">AC206601.1</a>	54069	55680	1612	F	2
<i>Hel1_105s</i>	85	98	<a href="#">AC204045.2</a>	17196	18806	1611	F	10
<i>Hel1_105t</i>	95	100	<a href="#">AC203841.2</a>	88607	90212	1606	F	10
<i>Hel1_105u</i>	100	96	<a href="#">AC206158.1</a>	37855	39443	1589	F	UNK
<i>Hel1_105v</i>	100	100	<a href="#">AC208110.1</a>	64618	63030	1589	RC	10
<i>Hel1_105w</i>	100	100	<a href="#">AC194851.3</a>	130076	128490	1587	RC	1
<i>Hel1_105x</i>	100	98		66221	67805	1585	F	4

			<a href="#">AC193412.3</a>					
<i>Hel1_105y</i>	95	98	<a href="#">AC213041.1</a>	7947	6365	1583	RC	1
<i>Hel1_105z</i>	100	100	<a href="#">AC199796.2</a>	63093	64673	1581	F	8
<i>Hel1_105a2</i>	100	100	<a href="#">AC199193.2</a>	103246	101673	1574	RC	UNK
<i>Hel1_105b2</i>	100	100	<a href="#">AC208076.1</a>	160018	158452	1567	RC	6
<i>Hel1_105c2</i>	100	96	<a href="#">AC206265.1</a>	110553	112114	1562	F	9
<i>Hel1_105d2</i>	100	100	<a href="#">AC198598.3</a>	21148	19620	1529	RC	7
<i>Hel1_105e2</i>	95	98	<a href="#">AC198136.2</a>	85194	86712	1519	F	3
<i>Hel1_105f2</i>	100	100	<a href="#">AC213395.1</a>	114686	116197	1512	F	5
<i>Hel1_105g2</i>	100	100	<a href="#">AC199802.2</a>	138981	137499	1483	RC	4
	96%		-					
<i>Hel1_105h2</i>	100	100	<a href="#">AC200479.3</a>	72973	71230	1744	RC	6
<i>Hel1_105i2</i>	100	100	<a href="#">AC194077.3</a>	92466	90810	1657	RC	6
<i>Hel1_105j2</i>	95	92	<a href="#">AC194210.2</a>	31865	33486	1622	F	6
<i>Hel1_105k2</i>	95	100	<a href="#">AC203428.2</a>	126962	128579	1618	F	3
<i>Hel1_105l2</i>	100	96	<a href="#">AC198603.2</a>	162426	164039	1614	F	7
<i>Hel1_105m2</i>	100	100	<a href="#">AC211541.1</a>	114360	115973	1614	F	2
<i>Hel1_105n2</i>	100	100	<a href="#">AC199954.3</a>	77980	76375	1606	RC	8
<i>Hel1_105o2</i>	100	98	<a href="#">AC211006.1</a>	122688	124221	1534	F	8
	95%							
<i>Hel1_105p2</i>	90	98	<a href="#">AC149309.3</a>	25058	26756	1699	F	9
<i>Hel1_105q2</i>	95	98	<a href="#">AC199087.3</a>	133932	135566	1635	F	8
<i>Hel1_105r2</i>	100	98	<a href="#">AC194306.3</a>	106142	104533	1610	RC	4
	94%							
<i>Hel1_105s2</i>	100	100	<a href="#">AC212026.1</a>	52035	53643	1609	F	6
<i>Hel1_105t2</i>	95	100	<a href="#">AC196025.3</a>	114090	115702	1613	F	5
	93%							
<i>Hel1_105u2</i>	95	98	<a href="#">AC194455.3</a>	35676	34189	1488	RC	8
	91%							
<i>Hel1_105v2</i>	90	96	<a href="#">AC190894.3</a>	58588	60189	1602	F	1
	90%							

<i>Hel1_105w2</i>	100	96	<a href="#">AC165176.2</a>	138201	145022	6822	F	
<i>Hel1_105x2</i>	90	92	<a href="#">AC203980.2</a>	165926	164285	1642	RC	UNK
<i>Hel1_105y2</i>	90	98	<a href="#">AC202408.2</a>	40585	42206	1622	F	3
<i>Hel1_105z2</i>	90	98	<a href="#">AC202878.2</a>	99572	101195	1624	F	4
<i>Hel1_105a3</i>	95	98	<a href="#">AC202878.2</a>	99277	101195	1919	F	4
89%								
<i>Hel1_105b3</i>	90	94	<a href="#">AC193593.2</a>	97477	95841	1637	RC	9
<i>Hel1_105c3</i>	95	86	<a href="#">AC211333.1</a>	81250	82880	1631	F	6
<i>Hel1_105d3</i>	90	96	<a href="#">AC195330.3</a>	26270	27890	1621	F	2
88%								
<i>Hel1_105e3</i>	90	90	<a href="#">AC211959.1</a>	101598	103224	1627	F	4
<i>Hel1_105f3</i>	90	94	<a href="#">AC196776.2</a>	129200	130818	1619	F	10
87%								
<i>Hel1_105g3</i>	95	98	<a href="#">AC188033.2</a>	20020	16167	3854	RC	10
<i>Hel1_105h3</i>	90	90	<a href="#">AC213040.1</a>	132295	130663	1633	RC	5
<i>Hel1_105i3</i>	90	92	<a href="#">AC205081.2</a>	128538	130163	1626	F	UNK
<i>Hel1_105j3</i>	85	92	<a href="#">AC198384.2</a>	133581	131948	1634	RC	2
<i>Hel1_105k3</i>	85	92	<a href="#">AC208020.1</a>	105130	106744	1615	F	1
86%								
<i>Hel1_105l3</i>	95	84	<a href="#">AC212470.1</a>	59120	57474	1647	RC	UNK
<i>Hel1_105m3</i>	95	88	<a href="#">AC149308.3</a>	45471	47086	1616	F	9
<i>Hel1_105n3</i>	95	88	<a href="#">AC192175.2</a>	92672	91058	1615	RC	9
<i>Hel1_105o3</i>	61	88	<a href="#">AC184707.3</a>	145216	143576	1641	RC	4
85%								
<i>Hel1_105p3</i>	80	96	<a href="#">AC177834.4</a>	158763	161815	3053	F	2
84%								
<i>Hel1_105q3</i>	90	90	<a href="#">AC204269.2</a>	152395	154017	1623	F	4
<i>Hel1_105r3</i>	90	90	<a href="#">AC211193.1</a>	105399	107021	1623	F	4
82%								
<i>Hel1_105s3</i>	90	82	<a href="#">AC185487.4</a>	3780	5239	1460	F	5
81%								
<i>Hel1_105t3</i>	95	84		64741	66256	1516	F	2

			<a href="#">AC209752.1</a>					
<i>Hel1_105u3</i>	95	88	<a href="#">AC194430.3</a>	143018	144556	1539	F	10
80%								
<i>Hel1_105v3</i>	90	84	<a href="#">AC205536.1</a>	23208	24743	1536	F	4
78%								
<i>Hel1_105w3</i>	95	94	<a href="#">AC192175.2</a>	149143	150606	1464	F	9
<i>Hel1_105x3</i>	100	100	<a href="#">AC213878.1</a>	130973	133029	2057	F	4
71%								
<i>Hel1_105y3</i>	100	100	<a href="#">AC197055.3</a>	12301	22758	10458	F	3
<i>Hel1_105z3</i>	85	78	<a href="#">AC197011.3</a>	59820	62420	2601	F	9
69%								
<i>Hel1_105a4</i>	100	100	<a href="#">AC194145.2</a>	143592	146105	2514	F	1

\* Percentages above each entry refer to % identity relative to *Hel1\_105a*

<b>B. <i>Hel1_106</i> elements with fragments of a <i>Cellulose Synthase-1</i> gene</b>								
<i>Helitron</i> *	5' end % identity	3' end % identity	Accession	Begin	End	Size, bp	Orient.	Chromos.
<i>Hel1_106a</i>	100	100	<a href="#">AC190859.3</a>	85168	89148	3981	F	1
99%								
<i>Hel1_106b</i>	100	100	<a href="#">AC191581.2</a>	22968	26949	3982	F	3
97%								
<i>Hel1_106c</i>	100	98	<a href="#">AC200889.2</a>	45706	49691	3986	F	2
<i>Hel1_106d</i>	100	98	<a href="#">AC195921.2</a>	90120	94118	3999	F	7
<i>Hel1_106e</i>	100	98	<a href="#">AC188843.3</a>	70068	74065	3998	F	10
<i>Hel1_106f</i>	100	94	<a href="#">AC209217.1</a>	131046	127050	3997	RC	4
<i>Hel1_106g</i>	95	98	<a href="#">AC203793.2</a>	106421	102421	4001	RC	6
<i>Hel1_106h</i>	95	96	<a href="#">AC198412.3</a>	142362	146364	4003	F	1
96%								
<i>Hel1_106i</i>	95	96	<a href="#">AC202430.2</a>	176635	172642	3994	RC	6
<i>Hel1_106j</i>	100	92	<a href="#">AC203808.2</a>	56966	60961	3996	F	5
<i>Hel1_106k</i>	100	94	<a href="#">AC186009.3</a>	54055	58045	3991	F	1
<i>Hel1_106l</i>	100	96	<a href="#">AC200302.3</a>	142989	146970	3982	F	3
<i>Hel1_106m</i>	100	96	<a href="#">AC191799.3</a>	17668	21638	3971	F	2
<i>Hel1_106n</i>	57	86	<a href="#">AC199959.3</a>	18666	22636	3971	F	9
<i>Hel1_106o</i>	100	94	<a href="#">AC209374.1</a>	100104	96071	4034	RC	5
94%								
<i>Hel1_106p</i>	100	98	<a href="#">AC197275.3</a>	5621	1478	4144	RC	10
93%								
<i>Hel1_106q</i>	100	96	<a href="#">AC211737.1</a>	145351	149430	4080	F	5
91%								
<i>Hel1_106r</i>	100	96	<a href="#">AC206954.2</a>	13818	6302	7517	RC	10

<i>Hel1_106s</i>	89%	100	98	<a href="#">AC195585.3</a>	119457	158735	39279	F	5
<i>Hel1_106t</i>		100	98	<a href="#">AC205064.2</a>	88979	95582	6604	F	4
<i>Hel1_106u</i>	77%	95	86	<a href="#">AC185121.2</a>	123383	136090	12708	F	4
<i>Hel1_106v</i>	75%	100	94	<a href="#">AC200886.3</a>	69164	62540	6625	RC	4
<i>Hel1_106w</i>	67%	100	98	<a href="#">AC190897.3</a>	91082	97807	6726	F	4
<i>Hel1_106x</i>	62%	100	96	<a href="#">AC189076.3</a>	84866	105892	21027	F	1
<i>Hel1_106y</i>	54%	100	96	<a href="#">AC203234.2</a>	103167	121321	18155	F	8
<i>Hel1_106z</i>	51%	95	98	<a href="#">AC208109.1</a>	72568	52181	20388	RC	7

\* Percentages above each entry refer to % identity relative to *Hel1\_106a*