

Genome-wide identification, classification and expression analysis of the arabinogalactan protein gene family in rice (*Oryza sativa* L.). *Haoli Ma and Jie Zhao.*

**Supplemental Table 1.** Primers used in real-time PCR

Gene	Primers	
<i>UBQ5</i>	Forward primer	ACCACTTCGACCGCCACTACT
	Reverse primer	ACGCCTAAGCCTGCTGGTT
<i>OsAGP1</i>	Forward primer	CGGCTCCCGGAGATGAGTTC
	Reverse primer	ACGGCAGTAATGGCGGTGAT
<i>OsAGP2</i>	Forward primer	CGGACATAATGCCGCTGCTC
	Reverse primer	CCACTCGCCACTACACCA
<i>OsAGP7</i>	Forward primer	CCAAAGCCATCGAAGAGCACG
	Reverse primer	ATCGGCGACGGGAGACACCA
<i>OsAGP12</i>	Forward primer	TCAATGGAAGCAACAGGCAGTA
	Reverse primer	CACAACAAGATCAAGGGCAGAA
<i>OsAGP13</i>	Forward primer	TCGTGCGCCTCCTCGCCTAA
	Reverse primer	CTCCCTCCCGTCCCGTAAAA
<i>OsAGP15</i>	Forward primer	ATCGCCTACCTGCTCATGTT
	Reverse primer	ATGGCGCTCTCGTTCTCTTA
<i>OsAGP16</i>	Forward primer	ACAAGCGTGGACCAAGGGAT
	Reverse primer	AGCGTGATTACAGAGCGTTA
<i>OsAGP17</i>	Forward primer	TCCTCGTTTCGTCATCTCCA
	Reverse primer	GCCTCCTCCTCCAGCACTCT
<i>OsAGP20</i>	Forward primer	CTAATCCCTTGTTCTTCCTTCA
	Reverse primer	CAAATCACTCCAAACCTCCTAA
<i>OsAGP23</i>	Forward primer	CCTCCTCCGCCTACAAGCT
	Reverse primer	CGATCCTCAGCGCAGTACCA
<i>OsAGP25</i>	Forward primer	GGAGATGAAGAAGATTGCCTG
	Reverse primer	TAGTAGGCGAAGAAGGACAGC
<i>OsAGP27</i>	Forward primer	TCGCGTACTACATGGTGACAC
	Reverse primer	CGATAGGCCAATAGATGACAAT
<i>OsAGP30</i>	Forward primer	ATGCTCCGGCTGCCGTGCTA
	Reverse primer	CGCGGGTGGTCGATGTGGTT
<i>OsAGP31</i>	Forward primer	CGGTCCAGGTACGCCGACTA
	Reverse primer	GGAGCTGCTGCACTGAGACG
<i>OsLLA2</i>	Forward primer	ACCGGAGGCGTCAGAAGCAC
	Reverse primer	GTCACGGTGGCAGCAGGAGA
<i>OsLLA6</i>	Forward primer	AAGCCGTTTCGATTTGGTTGT
	Reverse primer	CATCAAGAAATTCATGGCACA
<i>OsELA3</i>	Forward primer	CTCGCGTGGTTGGGTCTCAT
	Reverse primer	GCGTCCATCTCCTTCGGGTA
<i>OsFLA2</i>	Forward primer	GGCGGATCACAAGGAAATGA
	Reverse primer	GCTTAAAGCAGCACGAAGGAAC
<i>OsFLA4</i>	Forward primer	GCGTCGCTGCTGCTCTTCCA

	Reverse primer	TCGGTGGCGAGGGTGTTTCAT
<i>OsFLA7</i>	Forward primer	CTGGAGAAGGGAGGGCAGTA
	Reverse primer	TGTTGAAGGCGTTGTCCGGTAG
<i>OsFLA8</i>	Forward primer	TCGCAGTTCGACACCGTCAG
	Reverse primer	CCTTGTCCACCTGGTACACGAC
<i>OsFLA9</i>	Forward primer	CGGCGATGTTGGTGGTGATG
	Reverse primer	GCAGTAGCTGGAGGAACTT
<i>OsFLA11</i>	Forward primer	GCAGCTCCTCAAGTCCAACA
	Reverse primer	GACGGTCTCGCCCTTATTCT
<i>OsFLA14</i>	Forward primer	AGCGTGGAAGCGTAGTAGCGT
	Reverse primer	TTGAAGGGACTGAAGGTGGA
<i>OsFLA15</i>	Forward primer	CGCTCCATTTGCTCTGTTA
	Reverse primer	AAACTACATCGGTGCAGTAA
<i>OsFLA17</i>	Forward primer	GGCGACAGCCAGGTGAAGGA
	Reverse primer	AGCGAGGTGAGGTTGACGAAGA
<i>OsFLA18</i>	Forward primer	TCCTGGAGAAGGGCGGGTCGTA
	Reverse primer	ACGGTGAAGCCGGTGGACGT
<i>OsFLA19</i>	Forward primer	ACGCTGCTCCGCCTCCTCAA
	Reverse primer	GCCGTCGTAGGTGGTCTTCA
<i>OsFLA22</i>	Forward primer	AAGGTCAAGCCGAAGTCCAG
	Reverse primer	TGCGCTATCCAATTCCAAC
<i>OsFLA24</i>	Forward primer	GGCACTCGCAAGAAGAACAAA
	Reverse primer	GAATCGCAATCGCTGACCAA
<i>OsFLA25</i>	Forward primer	TGAACGCCACGCTCAAGAGG
	Reverse primer	CGGCAGGACGAAGTTGCTGAT
<i>OsFLA27</i>	Forward primer	GAGCCAGGCGAACAAGACCA
	Reverse primer	GAACTCGGCCAGGGAGTAGA

**Supplemental Table 2.** Proline, Alanine, Serine, and Threonine (PAST) proportion of rice AGPs

Protein	Proline	Alanine	Serine	Threonine	PAST
OsAGP1	26.03	28.77	10.96	6.16	71.92
OsAGP2	18.35	23.42	9.49	3.8	55.06
OsAGP3	20.16	33.87	9.68	8.87	72.58
OsAGP4	22.14	35.11	9.92	6.11	73.28
OsAGP5	21.48	32.21	12.08	6.71	72.48
OsAGP6	16.3	29.63	9.63	5.93	61.49
OsAGP7	11.72	31.25	8.59	10.16	61.72
OsAGP8	6.7	41.9	4.47	12.85	65.92
OsAGP9	18.71	37.41	11.51	2.88	70.51
OsAGP10	12.06	27.64	19.6	2.51	61.81
OsAGP11	18.72	22.98	10.64	2.13	54.47
OsAGP12	28.75	22.08	5	7.5	63.33
OsAGP13	20.83	27.08	10.42	10.83	69.16
OsAGP14	7.14	30	10	4.29	51.43
OsAGP15	4.17	20.83	6.94	8.33	40.27
OsAGP16	5.8	20.29	8.7	5.8	40.59
OsAGP17	5.71	35.71	2.86	2.86	47.14
OsAGP18	5.88	38.24	5.88	8.82	58.82
OsAGP19	5.88	36.76	8.82	5.88	57.34
OsAGP20	9.59	20.55	5.48	2.74	38.36
OsAGP21	5.8	33.33	8.7	1.45	49.28
OsAGP22	7.69	33.85	4.62	4.62	50.78
OsAGP23	7.46	22.39	8.96	4.48	43.29
OsAGP24	10.77	29.23	15.38	1.54	56.92
OsAGP25	5.41	25.68	8.11	6.76	45.96
OsAGP26	10.39	23.38	9.09	3.9	46.76
OsAGP27	7.81	26.56	4.69	1.56	40.62
OsAGP28	6.35	31.75	12.70	1.59	52.39
OsAGP29	13.57	23.53	7.24	6.79	51.13
OsAGP30	13.54	22.27	10.48	13.1	59.39
OsAGP31	13.7	22.37	11.87	2.74	50.68
OsELA1	8.86	11.81	10.97	3.38	35.02
OsELA2	15.71	19.16	13.41	6.13	54.41
OsELA3	16.13	18.64	9.68	6.09	50.54
OsLLA1	8.99	28.09	8.43	5.62	51.13
OsLLA2	10.53	23.25	10.96	6.14	50.88
OsLLA3	22.77	15.35	3.96	14.85	56.93
OsLLA4	20.15	15.67	11.94	4.85	52.61
OsLLA5	20	15.56	11.48	4.81	51.85
OsLLA6	8.51	19.68	12.77	10.11	51.07
OsLLA7	10.17	21.47	14.12	5.08	50.84
OsLLA8	19.33	12.61	7.28	5.04	44.26

OsFLA1	7.42	14.62	11.14	8.12	41.3
OsFLA2	7.48	15.46	6.48	7.23	36.65
OsFLA3	6.02	16.14	8.67	7.47	38.3
OsFLA4	9.23	23.25	6.64	4.8	43.92
OsFLA5	10.22	16.06	13.14	4.74	44.16
OsFLA6	9.93	18.38	8.46	8.09	44.86
OsFLA7	6.88	16.6	6.48	10.12	40.08
OsFLA8	9.29	17.47	8.18	10.41	45.35
OsFLA9	7.27	19.64	6.18	9.82	42.91
OsFLA10	11.36	24.91	5.49	5.86	47.62
OsFLA11	5.24	16.71	9.73	6.48	38.16
OsFLA12	7.96	14.99	8.9	6.09	37.94
OsFLA13	8.37	19.01	8.37	6.08	41.83
OsFLA14	10.47	16.61	6.5	4.69	38.27
OsFLA15	7.09	15.67	7.84	8.96	39.56
OsFLA16	8.77	12.11	8.77	4.59	34.24
OsFLA17	7.31	13.57	5.85	5.01	31.74
OsFLA18	8.76	21.12	7.97	8.37	46.22
OsFLA19	6.74	19.85	4.12	10.86	41.57
OsFLA20	8.88	14.8	10.86	5.92	40.46
OsFLA21	5.64	15.79	8.27	3.76	33.46
OsFLA22	7.04	15.02	7.04	5.16	34.26
OsFLA23	9.48	16.59	10.43	5.69	42.19
OsFLA24	8.65	12.45	5.91	5.7	32.71
OsFLA25	11.15	15.99	6.69	6.32	40.15
OsFLA26	8.47	19.07	7.42	5.93	40.89
OsFLA27	10.49	15.36	10.11	5.62	41.58

**Supplemental Table 3.** ESTs expression profile analysis of rice AGP-encoding genes

NO	Gene	Tigr locus	RAP locus	callus	root	stem	leaf	meristem	panicle	seed
1	<i>OsAGP1</i>	NA <sup>a</sup>	Os08g0482300	18	14	0	0	0	15	<u>123</u> <sup>b</sup>
2	<i>OsAGP2</i>	LOC_Os01g71170	Os01g0937900	0	0	0	0	0	7	0
3	<i>OsAGP3</i>	NA	Os03g0188500	6	14	0	0	0	0	0
4	<i>OsAGP4</i>	LOC_Os04g37770	NA	0	0	0	0	0	0	0
5	<i>OsAGP5</i>	NA	Os04g0545250	0	14	15	11	217	112	0
6	<i>OsAGP6</i>	LOC_Os05g37110	Os05g0443200	0	0	0	0	0	0	0
7	<i>OsAGP7</i>	LOC_Os06g17450	Os06g0284900	0	0	0	0	0	<u>88</u>	0
8	<i>OsAGP8</i>	LOC_Os07g28660	Os07g0469800	0	0	0	0	0	0	0
9	<i>OsAGP9</i>	NA	Os10g0377150	0	0	0	0	0	0	0
10	<i>OsAGP10</i>	LOC_Os08g38250	Os08g0490400	0	0	0	0	0	0	0
11	<i>OsAGP11</i>	LOC_Os04g41480	Os04g0492200	0	0	0	0	0	0	0
12	<i>OsAGP12</i>	LOC_Os01g02010	Os01g0110200	0	14	7	0	0	15	0
13	<i>OsAGP13</i>	LOC_Os07g40130	Os07g0590800	6	29	15	5	<u>435</u>	44	0
14	<i>OsAGP14</i>	LOC_Os01g37950	Os01g0559900	0	87	31	0	217	45	0
15	<i>OsAGP15</i>	LOC_Os01g40950	Os01g0592500	0	0	7	0	0	7	0
16	<i>OsAGP16</i>	LOC_Os01g46850	Os01g0657000	6	0	0	0	0	14	0
17	<i>OsAGP17</i>	LOC_Os01g55220	Os01g0756900	12	14	39	5	<u>1523</u>	52	0
18	<i>OsAGP18</i>	LOC_Os01g57030	Os01g0778300	0	1	0	0	0	0	0
19	<i>OsAGP19</i>	LOC_Os01g57040	Os01g0778400	0	0	0	0	0	0	0
20	<i>OsAGP20</i>	LOC_Os02g16500	Os02g0264800	0	58	39	0	<u>435</u>	43	30
21	<i>OsAGP21</i>	LOC_Os02g48710	Os02g0718600	24	29	0	40	0	15	0
22	<i>OsAGP22</i>	NA	Os02g0718100	6	14	0	0	0	60	0
23	<i>OsAGP23</i>	LOC_Os05g12580	Os05g0217000	6	0	23	5	217	22	0

24	<i>OsAGP24</i>	LOC_Os06g21400	Os06g0318800	30	0	29	23	0	37	30
25	<i>OsAGP25</i>	LOC_Os06g21410	Os06g0318900	0	0	0	0	0	0	0
26	<i>OsAGP26</i>	LOC_Os06g30920	Os06g0505700	18	0	23	0	0	14	0
27	<i>OsAGP27</i>	LOC_Os07g38630	Os07g0573900	0	0	70	11	0	0	30
28	<i>OsAGP28</i>	NA	NA	0	0	0	0	0	0	0
29	<i>OsAGP29</i>	LOC_Os01g42210	Os01g0607100	0	0	0	0	0	0	0
30	<i>OsAGP30</i>	LOC_Os02g10240	Os02g0196100	0	0	0	0	0	0	0
31	<i>OsAGP31</i>	LOC_Os03g63540	Os03g0852400	0	73	63	5	0	0	0
32	<i>OsELA1</i>	LOC_Os01g54430	Os01g0748150	0	0	0	0	0	29	0
33	<i>OsELA2</i>	LOC_Os02g06670	Os02g0162200	0	0	0	0	0	0	0
34	<i>OsELA3</i>	LOC_Os06g46740	Os06g0681200	0	58	0	0	0	0	0
35	<i>OsLLA1</i>	LOC_Os03g26820	Os03g0385400	6	58	204	46	0	74	0
36	<i>OsLLA2</i>	LOC_Os03g46180	Os03g0664600	0	0	0	0	0	0	0
37	<i>OsLLA3</i>	LOC_Os04g52250	Os04g0612300	0	0	0	5	0	0	0
38	<i>OsLLA4</i>	LOC_Os06g46780	Os06g0681500	0	0	0	0	0	0	0
39	<i>OsLLA5</i>	LOC_Os06g46870	Os06g0682750	0	0	0	0	0	0	0
40	<i>OsLLA6</i>	LOC_Os07g07790	Os07g0174400	0	0	0	0	0	0	0
41	<i>OsLLA7</i>	LOC_Os07g43290	Os07g0625800	18	14	0	23	0	0	0
42	<i>OsLLA8</i>	LOC_Os10g11370	Os10g0191100	0	0	0	0	0	0	0
43	<i>OsFLA1</i>	LOC_Os04g48490	Os04g0574200	54	0	0	0	0	128	30
44	<i>OsFLA2</i>	LOC_Os03g03600	Os03g0128000	6	146	63	81	<u>870</u>	22	0
45	<i>OsFLA3</i>	LOC_Os08g23180	Os08g0321000	18	29	63	64	0	455	61
46	<i>OsFLA4</i>	LOC_Os08g38270	Os08g0490600	0	0	0	0	0	37	0
47	<i>OsFLA5</i>	LOC_Os08g39270	Os08g0502400	0	73	7	0	0	82	0
48	<i>OsFLA6</i>	LOC_Os05g48900	Os05g0563600	0	175	86	17	0	82	0

49	<i>OsFLA7</i>	LOC_Os01g47780	Os01g0668100	0	131	31	23	0	188	0
50	<i>OsFLA8</i>	LOC_Os01g06580	Os01g0159200	0	14	55	0	0	15	0
51	<i>OsFLA9</i>	LOC_Os05g07060	Os05g0163300	0	0	0	0	0	0	0
52	<i>OsFLA10</i>	LOC_Os09g30010	Os09g0476800	6	0	0	0	0	21	0
53	<i>OsFLA11</i>	LOC_Os09g07350	Os09g0248100	12	43	63	46	0	37	0
54	<i>OsFLA12</i>	LOC_Os01g62380	Os01g0841100	54	29	15	29	0	88	0
55	<i>OsFLA13</i>	LOC_Os04g39600	Os04g0472200	0	29	0	0	0	0	0
56	<i>OsFLA14</i>	LOC_Os04g39590	Os04g0472100	0	0	0	0	0	7	0
57	<i>OsFLA15</i>	LOC_Os02g20560	Os02g0308800	6	0	<u>520</u>	17	0	15	30
58	<i>OsFLA16</i>	LOC_Os07g06680	Os07g0160600	60	29	47	64	0	87	61
59	<i>OsFLA17</i>	LOC_Os03g57490	Os03g0788700	48	0	0	0	0	7	0
60	<i>OsFLA18</i>	LOC_Os05g48890	Os05g0563550	0	0	0	0	0	0	0
61	<i>OsFLA19</i>	LOC_Os02g20540	Os02g0308400	18	0	<u>433</u>	0	0	0	0
62	<i>OsFLA20</i>	LOC_Os02g26320	Os02g0461500	0	0	0	0	0	0	0
63	<i>OsFLA21</i>	LOC_Os02g49420	Os02g0726000	0	0	15	0	0	102	61
64	<i>OsFLA22</i>	LOC_Os02g26290	Os02g0461000	0	0	0	0	0	<u>380</u>	0
65	<i>OsFLA23</i>	LOC_Os06g17460	Os06g0285100	0	0	0	0	0	0	0
66	<i>OsFLA24</i>	LOC_Os03g57460	Os03g0788600	54	190	15	34	217	508	61
67	<i>OsFLA25</i>	LOC_Os06g44660	Os06g0656800	0	0	0	0	0	20	0
68	<i>OsFLA26</i>	LOC_Os05g38500	Os05g0459700	0	14	7	0	0	0	0
69	<i>OsFLA27</i>	LOC_Os09g30486	Os09g0482780	36	29	15	0	0	22	0
	Pool <sup>c</sup>			164802	68202	126881	171750	4594	132789	32357

a: NA, Not available. b: Underlined indicated specific expression. c: Total EST numbers of each pool are listed at the bottom.

**Supplemental Table 4.** MPSS analysis of rice AGP-encoding genes in various organs and tissues

NO	Gene	Tigr locus	RAP locus	NYR <sup>a</sup>	NYL	NGD	NST	NME	NPO	NOS	NIP	NGS	NCA
1	<i>OsAGP1</i>	NA <sup>b</sup>	Os08g0482300	0	6	2	97	132	0	<u>2013</u> <sup>c</sup>	406	117	818
2	<i>OsAGP2</i>	LOC_Os01g71170	Os01g0937900	0	0	0	0	0	0	0	0	0	0
3	<i>OsAGP3</i>	NA	Os03g0188500	183	23	0	205	321	2	76	0	143	91
4	<i>OsAGP4</i>	LOC_Os04g37770	NA	272	0	86	317	116	0	110	587	<u>1205</u>	38
5	<i>OsAGP5</i>	NA	Os04g0545250	0	0	20	2493	117	0	7	3715	318	0
6	<i>OsAGP6</i>	LOC_Os05g37110	Os05g0443200	0	0	0	0	0	0	0	30	0	0
7	<i>OsAGP7</i>	LOC_Os06g17450	Os06g0284900	0	0	0	0	0	<u>12616</u>	235	0	0	0
8	<i>OsAGP8</i>	LOC_Os07g28660	Os07g0469800	1	0	0	0	0	18	0	0	0	51
9	<i>OsAGP9</i>	NA	Os10g0377150	0	0	0	0	0	0	0	0	0	0
10	<i>OsAGP10</i>	LOC_Os08g38250	Os08g0490400	0	0	0	0	0	<u>3877</u>	38	0	0	0
11	<i>OsAGP11</i>	LOC_Os04g41480	Os04g0492200	0	0	0	0	0	0	0	0	0	0
12	<i>OsAGP12</i>	LOC_Os01g02010	Os01g0110200	9	0	5	167	72	0	3	978	82	0
13	<i>OsAGP13</i>	LOC_Os07g40130	Os07g0590700	33	69	8	476	57	0	63	499	40	42
14	<i>OsAGP14</i>	LOC_Os01g37950	Os01g0559900	6	0	4	158	35	0	9	313	43	9
15	<i>OsAGP15</i>	LOC_Os01g40950	Os01g0592500	7	0	0	0	0	0	0	0	56	0
16	<i>OsAGP16</i>	LOC_Os01g46850	Os01g0657000	0	0	0	0	0	<u>1163</u>	49	0	0	0
17	<i>OsAGP17</i>	LOC_Os01g55220	Os01g0756900	132	0	0	441	123	0	483	91	292	600
18	<i>OsAGP18</i>	LOC_Os01g57030	Os01g0778300	53	0	0	0	0	<u>5051</u>	121	0	0	0
19	<i>OsAGP19</i>	LOC_Os01g57040	Os01g0778400	0	46	0	9	2	4	0	0	29	0
20	<i>OsAGP20</i>	LOC_Os02g16500	Os02g0264800	75	0	0	790	51	280	534	850	292	86
21	<i>OsAGP21</i>	LOC_Os02g48710	Os02g0718600	1190	123	133	1558	330	166	0	<u>3616</u>	496	431
22	<i>OsAGP22</i>	NA	Os02g0718100	563	0	0	305	197	518	141	224	1522	0
23	<i>OsAGP23</i>	LOC_Os05g12580	Os05g0217000	16	4	0	193	3	0	84	30	200	28



24	<i>OsAGP24</i>	LOC_Os06g21400	Os06g0318800	1277	1081	36	790	1296	712	3743	3	649	472
25	<i>OsAGP25</i>	LOC_Os06g21410	Os06g0318900	175	0	0	0	0	<u>13200</u>	1132	0	48	3
26	<i>OsAGP26</i>	LOC_Os06g30920	Os06g0505700	0	0	0	0	7	0	0	0	0	0
27	<i>OsAGP27</i>	LOC_Os07g38630	Os07g0573900	645	922	377	6865	2574	749	1412	3833	1692	86
28	<i>OsAGP28</i>	NA	NA	0	0	0	0	0	0	0	0	0	0
29	<i>OsAGP29</i>	LOC_Os01g42210	Os01g0607100	0	0	0	0	0	0	0	0	0	11
30	<i>OsAGP30</i>	LOC_Os02g10240	Os02g0196100	0	7	16	12	0	22	0	18	0	0
31	<i>OsAGP31</i>	LOC_Os03g63540	Os03g0852400	0	0	3	30	6	0	0	176	499	2
32	<i>OsELA1</i>	LOC_Os01g54430	Os01g0748150	0	0	0	0	0	0	0	0	0	0
33	<i>OsELA2</i>	LOC_Os02g06670	Os02g0162200	0	0	0	0	0	0	0	10	0	0
34	<i>OsELA3</i>	LOC_Os06g46740	Os06g0681200	0	0	0	0	0	0	0	0	0	0
35	<i>OsLLA1</i>	LOC_Os03g26820	Os03g0385400	9	859	113	466	689	32	991	784	131	14
36	<i>OsLLA2</i>	LOC_Os03g46180	Os03g0664600	34	0	0	0	0	0	0	17	6	2
37	<i>OsLLA3</i>	LOC_Os04g52250	Os04g0612300	0	109	0	0	0	0	0	0	0	0
38	<i>OsLLA4</i>	LOC_Os06g46780	Os06g0681500	0	0	0	0	0	0	0	0	0	0
39	<i>OsLLA5</i>	LOC_Os06g46870	Os06g0682750	0	0	0	0	0	0	0	0	0	0
39	<i>OsLLA6</i>	LOC_Os07g07790	Os07g0174400	126	0	0	0	0	0	0	0	5	0
40	<i>OsLLA7</i>	LOC_Os07g43290	Os07g0625800	20	5	1	5	0	50	110	75	159	169
41	<i>OsLLA8</i>	LOC_Os10g11370	Os10g0191100	0	0	0	0	0	0	0	0	0	0
42	<i>OsFLA1</i>	LOC_Os04g48490	Os04g0574200	410	0	0	24	478	0	3527	1416	547	2722
43	<i>OsFLA2</i>	LOC_Os03g03600	Os03g0128000	90	16	0	875	46	0	0	746	389	0
44	<i>OsFLA3</i>	LOC_Os08g23180	Os08g0321000	0	0	72	437	188	0	0	144	75	34
45	<i>OsFLA4</i>	LOC_Os08g38270	Os08g0490600	41	112	119	1503	2084	14	1051	2902	377	57
46	<i>OsFLA5</i>	LOC_Os08g39270	Os08g0502400	1	7	20	754	106	0	61	2476	302	24
47	<i>OsFLA6</i>	LOC_Os05g48900	Os05g0563600	314	70	124	2031	339	0	41	2560	2045	67

48	<i>OsFLA7</i>	LOC_Os01g47780	Os01g0668100	0	0	0	0	2	0	0	0	0	0
49	<i>OsFLA8</i>	LOC_Os01g06580	Os01g0159200	102	0	19	1096	22	11	0	2104	92	0
50	<i>OsFLA9</i>	LOC_Os05g07060	Os05g0163300	0	0	0	51	0	0	0	34	11	0
51	<i>OsFLA10</i>	LOC_Os09g30010	Os09g0476800	12	0	0	0	22	0	32	0	13	2
52	<i>OsFLA11</i>	LOC_Os09g07350	Os09g0248100	784	103	509	3508	178	0	0	1511	1101	1
53	<i>OsFLA12</i>	LOC_Os01g62380	Os01g0841100	22	0	52	161	30	0	121	41	0	12
54	<i>OsFLA13</i>	LOC_Os04g39600	Os04g0472200	0	0	0	0	4	0	0	0	33	0
55	<i>OsFLA14</i>	LOC_Os04g39590	Os04g0472100	0	0	0	0	0	<u>40</u>	0	0	0	0
56	<i>OsFLA15</i>	LOC_Os02g20560	Os02g0308800	0	0	3534	2793	0	0	0	663	201	0
57	<i>OsFLA16</i>	LOC_Os07g06680	Os07g0160600	219	0	58	270	91	0	118	848	0	0
58	<i>OsFLA17</i>	LOC_Os03g57490	Os03g0788700	0	0	0	0	0	0	16	0	0	77
59	<i>OsFLA18</i>	LOC_Os05g48890	Os05g0563550	22	0	0	53	3	0	0	172	0	0
60	<i>OsFLA19</i>	LOC_Os02g20540	Os02g0308400	0	0	37	<u>2363</u>	0	0	0	66	0	0
61	<i>OsFLA20</i>	LOC_Os02g26320	Os02g0461500	0	0	0	0	0	<u>609</u>	0	0	0	0
62	<i>OsFLA21</i>	LOC_Os02g49420	Os02g0726000	0	0	0	0	0	9	170	81	0	0
63	<i>OsFLA22</i>	LOC_Os02g26290	Os02g0461000	0	0	0	0	0	<u>2211</u>	9	0	0	0
64	<i>OsFLA23</i>	LOC_Os06g17460	Os06g0285100	0	0	0	0	0	0	0	0	0	0
65	<i>OsFLA24</i>	LOC_Os03g57460	Os03g0788600	101	5	9	134	26	30	601	572	249	30
66	<i>OsFLA25</i>	LOC_Os06g44660	Os06g0656800	0	0	0	0	0	<u>301</u>	26	0	0	0
67	<i>OsFLA26</i>	LOC_Os05g38500	Os05g0459700	0	0	0	463	249	0	274	247	82	85
68	<i>OsFLA27</i>	LOC_Os09g30486	Os09g0482780	0	0	0	0	0	0	0	0	0	0

a: NYR, 14 d young roots; NYL, 14 d young leaves; NGD, 10 d germinating seedlings grown in dark; NST, 60 d stem; NME, 60 d meristem tissue; NPO, mature pollen; NOS, ovary and mature stigma; NIP, 90 d immature panicle; NGS, 3 d germinating seed; NCA, 35 d callus. b: NA, Not available. c: Underlined indicated specific expression