

Table S7. Statistical Analysis of Methylation Pattern Changes in All the Cytosine Sites Present in the Upstream Regions Shown in Figure 3.

Cytosine		Feb.					P value[#]
Sites No.	Feb.	May	Aug.	Nov.	2011		
a 1	0	1	0	0	0	N/A	
2	0	1	2	0	2	0.145	
3	17	16	17	17	17	N/A	
4	16	17	17	17	17	0.310	
5	1	1	0	0	0	0.310	
6	9	7	4	7	10	0.037	
7	0	1	0	1	0	N/A	
8	10	7	5	9	11	0.084	
9	3	5	2	3	5	0.628	
10	1	0	2	1	1	0.545	
11	7	5	3	3	7	0.132	
12	1	1	1	1	3	1.000	
13	9	4	5	4	9	0.163	
14	4	0	0	1	4	0.146	
15	13	10	7	9	13	0.037	
16	7	0	3	3	7	0.132	
17	0	0	0	0	0	N/A	
18	0	0	0	0	1	N/A	
19	16	17	15	16	17	0.545	
20	1	0	0	0	1	0.310	
21	2	2	1	1	2	0.545	
22	0	0	2	1	0	0.145	
23	0	0	0	0	1	N/A	
24	6	8	4	5	7	0.452	
25	0	0	0	0	0	N/A	
26	0	3	0	1	1	N/A	
27	0	2	2	1	0	0.145	
28	1	2	0	0	1	0.310	
29	1	0	0	0	1	0.310	
30	1	2	2	4	2	0.545	
31	0	0	0	0	0	N/A	
32	0	0	0	0	0	N/A	
33	0	0	0	0	1	N/A	
34	16	17	17	17	17	0.310	
35	0	1	0	1	2	N/A	

36	17	17	16	17	17	0.310
37	0	0	0	0	0	N/A
38	1	2	1	0	0	1.000
39	0	1	3	2	1	0.070
40	0	0	0	1	0	N/A
41	0	1	0	0	1	N/A
42	16	11	12	15	17	0.072
43	3	4	3	3	3	1.000
44	6	2	5	6	6	0.714
45	3	3	2	1	2	0.628
46	3	0	0	1	2	0.070
47	9	6	6	6	9	0.300
48	2	0	0	1	1	0.145
49	2	3	3	3	3	0.628
50	8	3	0	2	8	0.001
51	1	1	0	1	1	0.310
52	2	7	0	1	5	0.145
53	0	0	0	0	0	N/A
54	2	2	2	0	3	1.000
55	1	0	0	1	1	0.310
56	11	8	5	7	10	0.039
57	0	0	0	0	0	N/A
58	17	17	17	17	16	N/A
59	17	17	16	17	17	0.310
60	0	2	1	1	2	0.310
61	7	5	3	5	6	0.132
62	1	0	0	1	1	0.310
63	1	0	0	1	1	0.310
64	17	17	17	17	17	N/A
65	0	1	0	0	0	N/A
66	1	2	4	2	0	0.146
67	0	0	0	1	0	N/A
68	4	2	1	2	5	0.146
69	1	1	0	1	1	0.310
70	0	0	0	0	0	N/A
71	3	2	4	0	3	0.671
72	0	0	0	0	0	N/A
73	0	0	0	0	1	N/A

74	0	0	3	3	1	0.070
75	3	5	5	3	4	0.419
76	0	0	0	0	0	N/A
77	0	1	0	0	0	N/A
78	9	7	5	7	11	0.039
79	14	11	12	13	14	0.419
80	0	0	2	1	0	0.145
81	8	5	2	4	8	0.024
82	17	15	13	16	17	0.033
83	11	12	11	13	11	1.000
b 1	0	0	0	0	0	N/A
2	3	3	3	3	3	1.000
3	3	3	3	4	3	1.000
4	2	2	2	3	3	1.000
5	11	7	4	8	10	0.016
6	3	3	3	2	3	1.000
7	17	17	16	17	17	0.310
8	16	16	17	16	15	0.310
9	3	3	3	3	2	1.000
10	6	6	2	5	6	0.106
11	17	17	17	16	17	N/A
12	4	4	4	5	4	1.000
13	3	3	3	4	4	1.000
14	10	9	9	9	10	0.730
15	5	5	4	5	5	0.697
16	7	7	6	7	9	0.724
17	10	7	4	8	11	0.037
18	9	8	8	9	10	0.732
19	6	6	5	6	5	0.714
20	16	17	17	17	17	0.310
21	8	8	7	8	8	0.730
22	17	16	16	16	16	0.310
23	7	7	6	7	8	0.724
24	8	9	8	9	8	1.000
25	4	4	4	4	6	1.000
26	10	5	3	6	11	0.013
27	12	8	5	9	12	0.016

28	6	5	5	6	7	0.714
29	10	8	4	7	11	0.037
30	3	3	3	3	3	1.000
31	10	7	4	7	10	0.037
32	12	9	5	9	12	0.016
33	8	8	5	8	10	0.290
34	4	4	3	3	5	0.671
35	1	1	1	2	4	1.000
36	4	3	3	4	5	0.671
37	4	4	5	5	5	0.697
38	8	6	5	5	9	0.290
39	2	2	2	2	3	1.000
40	3	4	4	3	5	0.671
41	2	3	2	3	3	1.000
c						
1	1	1	2	2	1	0.545
2	7	6	6	6	7	0.724
3	2	1	1	2	2	0.545
4	4	4	3	5	3	0.671
5	10	9	9	10	10	0.730
6	13	14	14	14	14	0.671
7	11	10	10	10	11	0.724
8	12	11	12	12	12	1.000
9	11	11	10	10	12	0.724
10	5	6	5	6	6	1.000
11	8	8	7	7	8	0.730
12	10	7	4	7	9	0.037
13	6	7	6	7	6	1.000
14	8	5	2	5	7	0.024
15	17	17	17	16	17	N/A
16	11	8	4	8	10	0.016
17	13	11	8	11	12	0.031
18	12	13	13	14	13	0.697
19	17	16	16	16	16	0.310
20	14	14	13	14	15	0.671
21	14	15	15	16	14	0.628
22	17	17	16	15	17	0.310
23	12	10	10	11	10	0.473

24	0	0	0	0	0	N/A
25	10	10	10	10	11	1.000
26	12	12	12	12	12	1.000
27	16	16	16	17	15	1.000
28	8	7	6	7	7	0.486
29	8	7	6	6	8	0.486
30	1	0	1	2	2	1.000
31	6	6	3	7	6	0.244
32	14	16	14	16	14	1.000
33	15	16	15	16	15	1.000
34	11	10	10	11	12	0.724
35	16	16	17	17	17	0.310
36	12	8	5	9	11	0.016
37	10	9	7	9	9	0.303
38	7	7	6	6	7	0.724
39	17	17	17	17	16	N/A
40	12	12	10	11	10	0.473
41	14	15	14	15	14	1.000

[#]Cytosine sites with $P < 0.05$ were gray shadowed in the Table.

a, *ERF6* upstream region as shown in Figure 3A; b, *SUR4* upstream region as shown in Figure 3B; c, *KCSI3* upstream region as shown in Figure 3C.