

Supplementary Material to “Identification of histone methylation modifiers and their expression patterns during somatic embryogenesis in *Hevea brasiliensis*”

Table S3 - Overview of the detected histone modification genes in *Hevea brasiliensis*

No.	Name	Accession number	Predicted gene	Predicted ORF	Deduced polypeptide
		(GenBank)	length*	length	Length (aa)
1	HbLSD1	XM_021786768.1	3142	2736	911
2	HbLSD2	XM_021834736.1	1801	1848	615
3	HbLSD3	XM_021834736.1	2445	2445	814
4	HbLSD4	XM_021828898.1	2384	2256	751
5	HbLSD5	XM_021806158.1	8063	6693	2230
6	HbJMJ1	XM_021782931.1	7163	3855	1284
7	HbJMJ2	XM_021803290.1	3967	1506	501
8	HbJMJ3	XM_021812039.1	8662	2631	876
9	HbJMJ4	XM_021824874.1	5902	2895	964
10	HbJMJ5	XM_021800084.1	9119	3933	1310
11	HbJMJ6	XM_021834835.1	13289	4824	1607
12	HbJMJ7	XM_021800066.1	6898	3567	1188
13	HbJMJ8	XM_021818539.1	7276	3090	1029
14	HbJMJ9	XM_021795250.1	4499	2358	785
15	HbJMJ10	XM_021821496.1	6340	2328	775
16	HbJMJ11	XM_021794700.1	4667	1353	450
17	HbJMJ12	XM_021786520.1	7568	3048	1015
18	HbJMJ13	XM_021827306.1	6805	3312	1103
19	HbJMJ14	XM_021817790.1	5757	2946	981
20	HbJMJ15	XM_021837061.1	13872	4353	1450
21	HbJMJ16	XM_021820973.1	4628	2634	877
22	HbJMJ17	XM_021807740.1	4419	2169	722
23	HbJMJ18	XM_021817272.1	7065	1884	627
24	HbJMJ19	XM_021817249.1	6341	3231	1076
25	HbJMJ20	XM_021817902.1	2862	1212	403
26	HbPRMT1	XM_021827573.1	4087	1791	596
27	HbPRMT2	XM_021827163.1	7618	1392	463
28	HbPRMT3	XM_021781563.1	4937	1140	379
29	HbPRMT4	XM_021787829.1	5127	2118	705
30	HbPRMT5	XM_021781563.1	3415	1617	538
31	HbPRMT6	XM_021792442.1	12133	1950	649
32	HbPRMT7	XM_021785572.1	1575	687	228
33	HbPRMT8	XM_021781562.1	3415	1239	412
34	HbPRMT9	XM_021790643.1	5325	1479	492
35	HbSDG1	XM_021783766.1	3514	2298	765
36	HbSDG2	XM_021798535.1	4797	2313	770
37	HbSDG3	XM_021814753.1	2019	2019	672
38	HbSDG4	XM_021779747.1	1761	1761	586
39	HbSDG5	XM_021789206.1	3425	1032	343

No.	Name	Accession number	Predicted gene	Predicted ORF	Deduced polypeptide
		(GenBank)	length*	length	Length (aa)
40	HbSDG6	XM_021802565.1	2880	2439	812
41	HbSDG7	XM_021802564.1	3126	3126	1041
42	HbSDG8	XM_021790468.1	7856	4542	1513
43	HbSDG9	XM_021815283.1	7710	2778	925
44	HbSDG10	XM_021790438.1	8602	4368	1455
45	HbSDG11	XM_021789001.1	3062	1008	335
46	HbSDG12	XM_021795575.1	6222	2547	848
47	HbSDG13	XM_021812048.1	4918	2649	882
48	HbSDG14	XM_021790481.1	5703	2016	671
49	HbSDG15	XM_021835117.1	2342	1203	400
50	HbSDG16	XM_021784706.1	7516	1137	378
51	HbSDG17	XM_021803998.1	5391	972	323
52	HbSDG18	XM_021789490.1	1188	1188	395
53	HbSDG19	XM_021750304.1	4752	1272	423
54	HbSDG20	XM_021816041.1	7275	3843	1280
55	HbSDG21	XM_021829524.1	5650	2187	728
56	HbSDG22	XM_021790903.1	11265	3489	1162
57	HbSDG23	XM_021781966.1	8352	2655	884
58	HbSDG24	XM_021821775.1	8221	3222	1073
59	HbSDG25	XM_021809017.1	8205	2961	986
60	HbSDG26	XM_021832519.1	7288	3018	1005
61	HbSDG27	XM_021806151.1	2636	1044	347
62	HbSDG28	XM_021802187.1	3824	1206	401
63	HbSDG29	XM_021811847.1	14232	7539	2512
64	HbSDG30	XM_021807326.1	1632	1632	543
65	HbSDG31	XM_021800564.1	4010	1488	495
66	HbSDG32	XM_021794618.1	6088	1725	574
67	HbSDG33	XM_021780908.1	8834	4641	1546
68	HbSDG34	XM_021810275.1	15087	6510	2169
69	HbSDG35	XM_021813550.1	4111	822	273
70	HbSDG36	XM_021810520.1	7535	1539	512
71	HbSDG37	XM_021794939.1	5526	1581	526
72	HbSDG38	XM_021825435.1	3165	1992	663

Note:

* Include intron length