

Table S1. List of Mutants Tested in this Study, Related to Figures 1–7

	Gene	Mutant Allele	Uniquely Mapping Reads	Coverage (X)	CG Error Rate	CHG Error Rate	CHH Error Rate
1	Col replicate 1	-	76813710	32.3	1.20%	1.16%	0.72%
2	Col replicate 2	-	66831128	28.1	1.70%	1.75%	0.99%
3	Col replicate 3	-	44697982	18.8	1.55%	1.50%	1.25%
4	AGO1	<i>ago1-27</i>	112546984	47.3	0.79%	0.74%	0.52%
5	AGO2	<i>ago2-1</i>	113380729	47.6	0.86%	0.84%	0.58%
6	AGO3	<i>ago3-1</i>	115140994	48.4	1.55%	1.57%	0.90%
7	AGO4	<i>ago4-5</i>	113021824	47.5	1.02%	1.02%	0.64%
8	AGO5	<i>ago5-2</i>	86162158	36.2	1.15%	1.16%	0.73%
9	AGO6	<i>ago6-2</i>	122321945	51.4	0.97%	0.96%	0.58%
10	AGO7	<i>zip-1</i>	103368628	43.4	1.32%	1.33%	0.77%
11	AGO8	<i>ago8-2</i>	109967887	46.2	1.00%	0.97%	0.64%
12	AGO9	<i>ago9-2</i>	79577300	33.4	2.22%	2.32%	1.23%
13	AGO10	<i>ago10-3</i>	113035513	47.5	1.10%	1.06%	0.74%
14	ATXR5/6	SALK_130607; SAIL 240 H01	101211138	42.5	0.86%	0.82%	0.54%
15	BRU1	<i>bru1-4</i>	104005341	43.7	0.85%	0.83%	0.57%
16	CLSY1	<i>clsy1-7</i>	118106905	49.6	0.79%	0.76%	0.49%
17	CMT1	SALK_030404	128641965	54.1	0.95%	0.92%	0.64%
18	CMT2	WISCDXSLOX7E02	116673442	49.0	1.24%	1.23%	0.92%
19	CMT3	<i>cmt3-11</i>	86439602	36.3	0.82%	0.77%	0.50%
20	DCL2	<i>dcl2-1</i>	112385119	47.2	3.40%	3.55%	1.84%
21	DCL3	<i>dcl3-1</i>	106112741	44.6	1.01%	1.01%	0.60%
22	DCL4	<i>dcl4-2</i>	85344423	35.9	1.13%	1.13%	0.62%
23	DCL2/4	<i>dcl2-1; dcl4-2</i>	104554046	43.9	1.33%	1.38%	0.93%
24	DCL2/3/4	<i>dcl2-1; dcl3-1; dcl4-2</i>	89872096	37.8	0.99%	0.94%	0.62%
25	DDM1	<i>ddm1-2</i>	61138399	25.7	1.35%	1.37%	0.83%
26	DMS3	<i>dms3-4</i>	56586550	23.8	0.97%	0.93%	0.60%
27	DMS4	<i>dms4-3</i>	93753769	39.4	2.27%	2.36%	1.24%
28	DNMT2 CMT3	SALK_1366; <i>cmt3-11</i>	113857619	47.8	1.16%	1.13%	0.78%
29	DNMT2 DRM1/2	SALK_1366; <i>drm1-2; drm2-2;</i>	128948098	54.2	1.20%	1.16%	0.80%
30	DRD1	<i>drd1-6</i>	107976314	45.4	1.36%	1.37%	0.84%
31	DRM1/2	<i>drm1-2; drm2-2</i>	56195598	23.6	0.80%	0.74%	0.56%
32	DRM1/2 CMT3	<i>drm1-2; drm2-2; cmt3-11</i>	116152677	48.8	0.77%	0.77%	0.51%
33	DRM3	<i>drm3-1</i>	91597689	38.5	1.02%	1.04%	0.59%
34	FAS2	SALK_033228	111567207	46.9	0.84%	0.81%	0.50%
35	FCA	<i>fca-9</i>	116059441	48.8	0.95%	0.92%	0.61%
36	FCA FPA	<i>fca-9; fpa-7</i>	92928024	39.0	1.89%	1.94%	1.23%
37	FLD	<i>fld-4</i>	122281351	51.4	0.93%	0.92%	0.57%
38	FPA	<i>fpa-7</i>	119272902	50.1	1.16%	1.18%	0.75%
39	FVE	<i>fve-3</i>	94745237	39.8	0.66%	0.61%	0.43%
40	HDA6	<i>axe1-5</i>	118583550	49.8	0.71%	0.69%	0.52%
41	HEN1	<i>hen1-6</i>	96439193	40.5	2.46%	2.56%	1.34%
42	IBM1	SALK_006042	98203032	41.3	1.70%	1.76%	0.96%
43	IDN2	<i>idn2-1</i>	104290706	43.8	1.21%	1.17%	0.73%
44	IDN2 IDNL1/2	<i>idn2-1; idl1-1; idl2-1</i>	130587808	54.9	0.90%	0.87%	0.53%
45	IDNL1 IDNL2	<i>idl1-1; idl2-1</i>	25289459	10.6	0.69%	0.62%	0.44%
46	KTF1	<i>ktf1-1/rdm3-3</i>	95432884	40.1	1.02%	1.00%	0.63%

47	MET1	<i>met1-3</i>	111861104	47.0	1.14%	1.10%	0.77%
48	MET1 CMT3	<i>met1-3; cmt3-11</i>	98425158	41.4	1.07%	1.04%	0.64%
49	MET1 HET	<i>met1-3</i>	118714517	49.9	1.39%	1.37%	0.89%
50	MET1 WT	<i>met1-3</i>	106080395	44.6	1.67%	1.68%	1.02%
51	MET2	SAIL 815 G06	121096301	50.9	1.00%	0.96%	0.68%
52	MOM1	SAIL 610 G01	99721205	41.9	1.01%	0.98%	0.66%
53	MSI2	<i>msi2-1</i>	126887575	53.3	1.23%	1.20%	0.85%
54	NRPB2	<i>nrbp2-3</i>	99304633	41.7	0.60%	0.58%	0.40%
55	NRPD1	<i>nrbp1a-4</i>	119641641	50.3	1.25%	1.27%	0.95%
56	NRPE1	<i>nrbp1b-11</i>	110711289	46.5	1.20%	1.21%	0.71%
57	ROS1 DML2/3	<i>ros1-3; dml2-1;dml3-1</i>	103951405	43.7	0.92%	0.91%	0.61%
58	RDM1	<i>rdm1-4</i>	120118111	50.5	0.83%	0.81%	0.61%
59	RDR1	<i>rdr1-1</i>	50918266	21.4	1.07%	1.06%	0.66%
60	RDR2	<i>rdr2-2</i>	103496056	43.5	1.09%	1.07%	0.73%
61	RDR6	<i>rdr6-15</i>	106527813	44.8	1.30%	1.30%	0.78%
62	REF6	SAIL 747 A07	131871583	55.4	1.03%	0.98%	0.68%
63	ROS3	SALK 022363	113826390	47.8	0.81%	0.78%	0.53%
64	RPA2	<i>rpa2-4</i>	104308250	43.8	1.22%	1.16%	0.79%
65	SDE3	<i>sde3-5</i>	89911818	37.8	1.83%	1.83%	1.02%
66	SDE5	<i>sde5-2</i>	106191880	44.6	0.89%	0.89%	0.62%
67	SDG2	SALK 021008	31345638	13.2	1.49%	1.52%	0.93%
68	SDG8	<i>sdg8-2</i>	112060908	47.1	0.84%	0.83%	0.52%
69	SGS3	<i>sgs3-14</i>	119435088	50.2	0.84%	0.81%	0.49%
70	SUVH1	SALK 003675	109474100	46.0	1.26%	1.25%	0.76%
71	SUVH2	SALK 079574	102275261	43.0	0.99%	0.98%	0.64%
72	SUVH3	Garlic 401b D01 .b.1a	82520351	34.7	1.51%	1.51%	0.95%
73	SUVH4/KYP	SALK 41474	110536025	46.4	0.99%	0.99%	0.63%
74	SUVH5	GABI-Kat line 263C05	119106559	50.0	1.34%	1.33%	0.81%
75	SUVH6	Garlic 1244 F04.b.1a	115158171	48.4	1.25%	1.27%	0.75%
76	SUVH4/5/6	<i>kyp suvh5 suvh6</i>	104134066	43.8	0.97%	0.97%	0.62%
77	SUVH7	Gabi-kat 037C06	45892440	19.3	1.08%	1.07%	0.63%
78	SUVH8	SALK 123140	100941655	42.4	1.01%	1.00%	0.61%
79	SUVH9	SALK 048033	112515012	47.3	1.19%	1.19%	0.76%
80	SUVH10	SALK 152977	92030177	38.7	1.08%	1.07%	0.67%
81	SUVR1	<i>suvr1-1/</i> SALK 012786	111208489	46.7	0.94%	0.92%	0.64%
82	SUVR2	<i>suvr2-1/</i> SAIL 832 E07	91706842	38.5	0.76%	0.71%	0.48%
83	SUVR3	<i>suvr3-1/</i> SALK 063174	103495616	43.5	1.67%	1.71%	0.96%
84	SUVR5	<i>suvr5-1/</i> SALK 026224	90272885	37.9	1.69%	1.74%	1.00%
85	SUVR1/2/3/4/5	<i>suvr1-1;suvr2-1; suvr3-1;</i> RATM12-090501; <i>suvr5-1</i>	114299373	48.0	1.74%	1.77%	0.99%
86	VIM1	<i>vim1-2</i>	110688864	46.5	0.98%	0.96%	0.61%
87	VIM2	<i>vim2-1</i>	85407593	35.9	1.20%	1.23%	0.76%
88	VIM3	<i>vim3-1</i>	105271053	44.2	0.75%	0.70%	0.56%
89	VIM1 VIM2 VIM3	<i>vim1-2; vim2-1;vim3-1</i>	102634982	43.1	1.15%	1.17%	0.69%