

Supporting Information for:
 “A deterministic analysis of genome integrity during neoplastic
 growth in *Drosophila*”

Table S1

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no.	chr	pos	strand	w	conc. coverage	CDS location	Gene ID	Consequence
Tumor specific insertions								
1	2L	4123376	+	4	26	1426	FBgn0014033	nonsynonymous
2	2L	13272831	+	5	2	1286	FBgn0032497	nonsynonymous
3	2L	13272831	+	5	2	1517	FBgn0032497	nonsynonymous
4	2L	13272831	+	5	2	1286	FBgn0032497	nonsynonymous
5	2L	13272831	+	5	2	1286	FBgn0032497	nonsynonymous
6	2L	13272831	+	5	2	1286	FBgn0032497	nonsynonymous
7	2L	13272831	+	5	2	1517	FBgn0032497	nonsynonymous
8	2L	13272831	+	5	2	1517	FBgn0032497	nonsynonymous
9	2L	13272831	+	5	2	1517	FBgn0032497	nonsynonymous
10	2L	13272831	+	5	2	1517	FBgn0032497	nonsynonymous
11	2L	16658075	+	5	11	2492	FBgn0259735	nonsynonymous
12	2L	16658075	+	5	11	1586	FBgn0259735	nonsynonymous
13	2L	16658075	+	5	11	539	FBgn0259735	nonsynonymous
14	2L	12498706	-	6	26	64	FBgn0259176	nonsynonymous
15	2L	16728782	-	6	17	283	FBgn0051782	frameshift
16	2L	16728782	-	6	17	283	FBgn0051782	frameshift
17	2R	7613207	+	5	81	1703	FBgn0033649	nonsynonymous
18	2R	12957513	-	13	20	1195	FBgn0050460	nonsynonymous
19	2R	12957513	-	13	20	1549	FBgn0050460	nonsynonymous
20	2R	12957513	-	13	20	1549	FBgn0050460	nonsynonymous
21	2R	12957513	-	13	20	2593	FBgn0050460	nonsynonymous
22	2R	12957513	-	13	20	2386	FBgn0050460	nonsynonymous
23	2R	12957513	-	13	20	2122	FBgn0050460	nonsynonymous
24	2R	12957513	-	13	20	1195	FBgn0050460	nonsynonymous
25	2R	13565884	-	5	19	26	FBgn0016059	nonsynonymous
26	2R	13565884	-	5	19	26	FBgn0016059	nonsynonymous
27	2R	13565884	-	5	19	26	FBgn0016059	nonsynonymous
28	2R	19301143	-	4	4	555	FBgn0034860	nonsynonymous
29	3L	9830341	-	5	6	1303	FBgn0015618	nonsynonymous
30	3L	16918205	-	5	11	880	FBgn0036677	nonsynonymous
31	3R	13956507	+	14	7	1865	FBgn0003499	nonsynonymous
32	3R	13956507	+	14	7	1025	FBgn0003499	nonsynonymous
33	3R	22457957	+	4	10	305	FBgn0039441	nonsynonymous
34	3R	25705079	+	5	12	986	FBgn0051038	nonsynonymous
35	3R	25705079	+	5	12	986	FBgn0051038	nonsynonymous
36	3R	25705079	+	5	12	986	FBgn0051038	nonsynonymous
37	3R	25705079	+	5	12	986	FBgn0051038	nonsynonymous
38	3R	25705079	+	5	12	986	FBgn0051038	nonsynonymous
39	3R	10130741	-	14	36	2615	FBgn0003567	nonsynonymous
40	3R	10130741	-	14	36	2615	FBgn0003567	nonsynonymous
41	3R	17168761	-	14	2	109	FBgn0038881	nonsynonymous
42	X	5847916	+	5	1	962	FBgn0029827	nonsynonymous
43	X	12338985	+	9	34	1755	FBgn0259680	nonsynonymous
44	X	5892506	-	13	31	1107	FBgn0027546	frameshift
Control specific insertions								

Continued on next page

no.	chr	pos	strand	w	conc. coverage	CDS location	Gene ID	Consequence
1	2L	1606970	+	4	4	3304	FBgn0261509	nonsynonymous
2	2L	4815259	+	14	68	511	FBgn0031630	frameshift
3	2L	4865387	+	12	29	85	FBgn0051660	nonsynonymous
4	2L	4865387	+	12	29	85	FBgn0051660	nonsynonymous
5	2L	8175364	+	8	25	1236	FBgn0031993	nonsynonymous
6	2L	8175364	+	8	25	1236	FBgn0031993	nonsynonymous
7	2L	8175364	+	8	25	1236	FBgn0031993	nonsynonymous
8	2L	8427730	+	7	11	695	FBgn0027932	nonsynonymous
9	2L	8427730	+	7	11	695	FBgn0027932	nonsynonymous
10	2L	8427730	+	7	11	695	FBgn0027932	nonsynonymous
11	2L	8427730	+	7	11	695	FBgn0027932	nonsynonymous
12	2L	10055698	+	5	19	849	FBgn0053302	nonsynonymous
13	2L	10055698	+	5	19	849	FBgn0053302	nonsynonymous
14	2L	561604	-	6	30	1578	FBgn0031264	nonsynonymous
15	2L	7499027	-	7	38	2386	FBgn0085403	nonsynonymous
16	2L	7499027	-	7	38	2551	FBgn0085403	nonsynonymous
17	2L	7499027	-	7	38	2629	FBgn0085403	nonsynonymous
18	2L	7499027	-	7	38	2800	FBgn0085403	nonsynonymous
19	2L	10068904	-	8	8	2770	FBgn0032180	not translated
20	2L	12537098	-	4	19	2278	FBgn0259176	nonsynonymous
21	2L	12537098	-	4	19	1951	FBgn0259176	nonsynonymous
22	2L	12537098	-	4	19	1951	FBgn0259176	nonsynonymous
23	2L	16339684	-	13	1	568	FBgn0259151	nonsynonymous
24	2L	18131278	-	6	51	3930	FBgn0001301	nonsynonymous
25	2L	18533680	-	6	51	4011	FBgn0085370	nonsynonymous
26	2L	18533680	-	6	51	3879	FBgn0085370	nonsynonymous
27	2L	19756028	-	4	41	493	FBgn0032817	nonsynonymous
28	2R	2123376	+	12	5	1720	FBgn0033073	nonsynonymous
29	2R	2123376	+	12	5	1720	FBgn0033073	nonsynonymous
30	2R	2839661	+	5	3	1354	FBgn0053349	frameshift
31	2R	6498338	+	13	29	599	FBgn0004399	nonsynonymous
32	2R	6498338	+	13	29	599	FBgn0004399	nonsynonymous
33	2R	6498338	+	13	29	599	FBgn0004399	nonsynonymous
34	2R	6498338	+	13	29	599	FBgn0004399	nonsynonymous
35	2R	9926702	+	4	0	1184	FBgn0002643	nonsynonymous
36	2R	9926702	+	4	0	1184	FBgn0002643	nonsynonymous
37	2R	9926702	+	4	0	500	FBgn0002643	nonsynonymous
38	2R	9926702	+	4	0	1184	FBgn0002643	nonsynonymous
39	2R	9926702	+	4	0	1184	FBgn0002643	nonsynonymous
40	2R	9926702	+	4	0	500	FBgn0002643	nonsynonymous
41	2R	9927618	+	13	1	2100	FBgn0002643	nonsynonymous
42	2R	9927618	+	13	1	2100	FBgn0002643	nonsynonymous
43	2R	10393244	+	6	10	425	FBgn0000142	nonsynonymous
44	2R	10393244	+	6	10	425	FBgn0000142	nonsynonymous
45	2R	13708702	+	6	2	1442	FBgn0259211	nonsynonymous
46	2R	13708702	+	6	2	1442	FBgn0259211	nonsynonymous
47	2R	13708702	+	6	2	1442	FBgn0259211	nonsynonymous
48	2R	13708702	+	6	2	1442	FBgn0259211	nonsynonymous
49	2R	13708702	+	6	2	605	FBgn0259211	nonsynonymous
50	2R	19234281	+	7	20	91	FBgn0034846	nonsynonymous
51	2R	19344868	+	4	10	856	FBgn0034862	nonsynonymous
52	2R	4999721	-	8	39	1594	FBgn0033379	nonsynonymous
53	2R	9809208	-	6	42	274	FBgn0013733	nonsynonymous
54	2R	9809208	-	6	42	274	FBgn0013733	nonsynonymous
55	2R	9809208	-	6	42	274	FBgn0013733	nonsynonymous
56	2R	9809208	-	6	42	274	FBgn0013733	nonsynonymous
57	2R	9809208	-	6	42	274	FBgn0013733	nonsynonymous
58	2R	10563402	-	14	48	2192	FBgn0050480	nonsynonymous
59	2R	12072760	-	8	54	671	FBgn0034086	nonsynonymous
60	2R	12754881	-	15	40	22	FBgn0014870	nonsynonymous
61	2R	12754881	-	15	40	22	FBgn0014870	nonsynonymous
62	2R	14064130	-	13	41	1756	FBgn0034313	nonsynonymous
63	2R	16717771	-	11	13	105	FBgn0016984	nonsynonymous
64	2R	18232414	-	6	0	499	FBgn0034720	nonsynonymous
65	2R	18232414	-	6	0	112	FBgn0034720	nonsynonymous
66	2R	18232414	-	6	0	112	FBgn0034720	nonsynonymous
67	2R	18232414	-	6	0	112	FBgn0034720	nonsynonymous
68	3L	1240112	+	8	36	875	FBgn0035192	nonsynonymous
69	3L	1822468	+	15	0	576	FBgn0027790	nonsynonymous
70	3L	1822468	+	15	0	576	FBgn0027790	nonsynonymous
71	3L	4418395	+	8	24	274	FBgn0035542	nonsynonymous
72	3L	4418395	+	8	24	274	FBgn0035542	nonsynonymous
73	3L	4418395	+	8	24	274	FBgn0035542	nonsynonymous
74	3L	4418395	+	8	24	274	FBgn0035542	nonsynonymous
75	3L	5875817	+	8	39	311	FBgn0035643	nonsynonymous
76	3L	6073466	+	7	11	1694	FBgn0035676	nonsynonymous
77	3L	8406175	+	7	70	1	FBgn0010431	frameshift
78	3L	9605816	+	8	28	4861	FBgn0036017	nonsynonymous
79	3L	10625324	+	6	0	757	FBgn0001179	nonsynonymous
80	3L	10625324	+	6	0	757	FBgn0001179	nonsynonymous
81	3L	10863287	+	5	18	365	FBgn0026160	nonsynonymous

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no.	chr	pos	strand	w	conc. coverage	CDS location	Gene ID	Consequence
82	3L	10863287	+	5	18	212	FBgn0026160	nonsynonymous
83	3L	10863287	+	5	18	134	FBgn0026160	nonsynonymous
84	3L	10863287	+	5	18	254	FBgn0026160	nonsynonymous
85	3L	16126942	+	5	45	1106	FBgn0036574	nonsynonymous
86	3L	16126942	+	5	45	1274	FBgn0036574	nonsynonymous
87	3L	20314180	+	7	0	40	FBgn0036969	nonsynonymous
88	3L	1614435	-	5	4	1141	FBgn0035241	nonsynonymous
89	3L	6724446	-	10	0	6523	FBgn0052394	nonsynonymous
90	3L	6725070	-	4	39	5899	FBgn0052394	nonsynonymous
91	3L	10874714	-	8	26	261	FBgn0036106	nonsynonymous
92	3L	11605144	-	5	6	8029	FBgn0036181	nonsynonymous
93	3L	11605144	-	5	6	8029	FBgn0036181	nonsynonymous
94	3L	11605144	-	5	6	8029	FBgn0036181	not translated
95	3L	11957416	-	7	5	436	FBgn0028573	nonsynonymous
96	3L	18051679	-	4	15	1006	FBgn0000568	nonsynonymous
97	3L	19457494	-	7	5	227	FBgn0036870	nonsynonymous
98	3R	11686678	+	12	5	609	FBgn0038377	nonsynonymous
99	3R	11686678	+	12	5	441	FBgn0038377	nonsynonymous
100	3R	12914780	+	13	28	600	FBgn0038478	nonsynonymous
101	3R	13241887	+	4	51	420	FBgn0038508	nonsynonymous
102	3R	14994010	+	4	9	254	FBgn0010768	nonsynonymous
103	3R	20840647	+	4	13	2108	FBgn0039257	nonsynonymous
104	3R	21083465	+	8	44	7343	FBgn0039302	nonsynonymous
105	3R	21488552	+	11	49	269	FBgn0039352	nonsynonymous
106	3R	23166484	+	10	14	141	FBgn0260487	nonsynonymous
107	3R	25816088	+	6	18	4007	FBgn0039728	nonsynonymous
108	3R	25878899	+	7	4	379	FBgn0039743	nonsynonymous
109	3R	26600166	+	5	0	719	FBgn0004606	nonsynonymous
110	3R	1001248	-	12	21	4073	FBgn0259212	nonsynonymous
111	3R	1001248	-	12	21	4580	FBgn0259212	nonsynonymous
112	3R	4662727	-	5	37	3925	FBgn0003177	nonsynonymous
113	3R	4844180	-	5	49	1225	FBgn0015014	nonsynonymous
114	3R	5070096	-	11	83	1126	FBgn0260935	nonsynonymous
115	3R	5070096	-	11	83	1126	FBgn0260935	nonsynonymous
116	3R	7991171	-	5	26	102	FBgn0010218	nonsynonymous
117	3R	7991171	-	5	26	102	FBgn0010218	nonsynonymous
118	3R	8817865	-	4	88	750	FBgn0041710	frameshift
119	3R	10355217	-	6	21	297	FBgn0038237	nonsynonymous
120	3R	17544783	-	4	21	280	FBgn0051176	nonsynonymous
121	3R	17911474	-	4	5	205	FBgn0038930	nonsynonymous
122	3R	17911474	-	4	5	205	FBgn0038930	nonsynonymous
123	X	3185386	+	7	0	135	FBgn0000479	nonsynonymous
124	X	5803091	+	11	0	458	FBgn0029822	nonsynonymous
125	X	5803091	+	11	0	458	FBgn0029822	nonsynonymous
126	X	5803092	+	4	0	459	FBgn0029822	nonsynonymous
127	X	5803092	+	4	0	459	FBgn0029822	nonsynonymous
128	X	5844435	+	4	46	27	FBgn0052755	nonsynonymous
129	X	8373585	+	11	5	107	FBgn0000359	nonsynonymous
130	X	9504258	+	8	13	860	FBgn0030144	nonsynonymous
131	X	17100970	+	18	1	463	FBgn0052564	nonsynonymous
132	X	4138811	-	6	0	895	FBgn0052774	not translated
133	X	4138811	-	6	0	895	FBgn0052774	nonsynonymous
134	X	6378991	-	4	0	109	FBgn0259242	nonsynonymous
135	X	11822591	-	33	11	1570	FBgn0030358	nonsynonymous
136	X	12685720	-	8	4	4556	FBgn0259171	nonsynonymous
137	X	14684787	-	17	4	5731	FBgn0003301	nonsynonymous
138	X	21273590	-	4	27	155	FBgn0031176	nonsynonymous
139	X	21273590	-	4	27	155	FBgn0031176	not translated

End of the table