

Table S1: Mutations tested for dominant enhancement of *Incenp^{myc}*

Type/ Homolog	Mutant	Nondisjunction progeny	Total progeny	Nondisjunction (%)
Cell Cycle				
CDC2/CDK1	<i>Cdc2^{E1-24}</i>	28	1347	4.2
	<i>Cdc2^{B47}</i>	22	1316	3.3
CKS30A	<i>Cks30A^{RA74}</i>	56	777	14.4
	<i>Cks30A^{KO}</i>	57	1333	8.2
Cdc20	<i>cort</i>	42	1626	5.2
Cyclin B	<i>CycB²</i>	66	569	23.2
Cyclin B3	<i>CycB3^{L6540}</i>	18	1120	3.2
	<i>CycB3²</i>	23	1367	3.4
CDC20	<i>fzy¹</i>	61	2044	6.0
	<i>fzy⁶</i>	84	915	18.4
	<i>fzy⁷</i>	61	1045	11.7
WEE1	<i>myt^{R3}</i>	18	741	4.9
Cdc25	<i>twe¹</i>	55	1130	9.7
	<i>twe¹</i>	32	960	6.7
WEE1	<i>wee^{DS1}</i>	14	988	2.8
	<i>wee^{ES1}</i>	10	874	2.3
Kinetochores				
CENP-C	<i>Cenp-C^{IR35}</i>	78	3319	4.7
NSL1	<i>Kmn1^{G0237}</i>	14	1361	2.1
NUF2	<i>Nuf2^{EY18592}</i>	23	2667	1.7
SPC25	<i>Spc25^{A34-1}</i>	60	1350	8.9
KNL1	<i>Spc105R¹</i>	20	2030	2.0
Motor protein/spindle				
MAST	<i>chb⁴</i>	30	1169	5.1
CENP-E	<i>cmet⁰⁴⁴³¹</i>	14	1257	2.2
Dynein	<i>dhc⁴⁻¹⁹</i>	104	2359	8.8
	<i>dhc⁶⁻¹⁰</i>	64	1702	7.5
PRC1	<i>feo^{EA86}</i>	4	633	1.3
NCD	<i>ncd¹</i>	209	1287	32.5
RAN	<i>ran^{G0075}</i>	10	441	4.5
Sentin	<i>ssp2¹³⁶</i>	56	2563	4.4
	<i>ssp2³²</i>	31	2692	2.3
Cohesion				
ORD	<i>ord¹⁰</i>	20	2010	2.0
	<i>ord⁵</i>	8	846	1.9
	<i>ord³³⁹⁷</i>	132	3507	7.5

Securin	<i>pim^{LL}</i>	14	965	2.9
SMC1	<i>SMC1^{exc46}</i>	28	893	6.3
Separase	<i>sse</i>	9	431	4.2
Three Rows	<i>thr³</i>	33	1318	5.0
Checkpoint				
MPS1	<i>ald^{c3}</i>	47	1393	6.8
	<i>ald^{B4-6}</i>	32	1976	3.2
BUBR1	<i>BubR1^{k03113}</i>	5	980	1.0
ZW10	<i>zw10¹</i>	13	2671	1.0
CPC/ POLO				
Aurora B	<i>aurB^{2A43.1}</i>	26	2139	2.4
	<i>aurB⁴⁹⁻¹⁴⁹</i>	74	1904	7.8
	<i>aurB^{35.33}</i>	13	2273	1.1
	<i>aurB¹⁶⁸⁹</i>	9	2397	0.8
Aurora A	<i>aurA^{87Ac-3}</i>	7	951	1.5
Survivin	<i>Det^{e01527}</i>	8	436	3.7
INCENP	<i>Incenp^{18.197}</i>	52	2955	3.5
	<i>Incenp^{22.68}</i>	111	1602	13.9
	<i>Incenp^{QA26}</i>	49	2555	3.8
	<i>Incenp³⁷⁴⁷</i>	86	2978	5.8
POLO	<i>polo¹⁶⁻¹</i>	13	2644	1.0
	<i>polo¹⁶⁻¹</i>	1	537	0.4
Cytokinesis				
ASP	<i>asp¹</i>	7	1227	1.1
Four wheel drive	<i>fwd²</i>	53	855	12.4
Pavarotti/MLP1	<i>pav^{B200}</i>	24	1260	3.8
Subito/MKLP2	<i>sub¹</i>	144	1179	24.4
	<i>sub¹ (18^o)</i>	55	1573	7.0
Twinstar/ Cofilin	<i>tsr¹</i>	25	840	5.8
RacGAP50C	<i>tum^{AR2}</i>	10	2111	0.9
	<i>tum^{DH15}</i>	40	2710	2.9