

Supplementary Table 1. Genes from the Manning list which do not correspond to a UniProtKB entry or are duplicates.

Group	Gene name	Comment
CAMK	F12F3.2	Deleted gene.
CK1	Y73B6A.2	Pseudogene.
CK1	C49C3.2	Pseudogene.
CK1	T01H10.4	Pseudogene.
Other	F22H10.5	Pseudogene.
Other	Y40A1A.1	Pseudogene.
Other	T10B5.2	Pseudogene.
TK	M176.9	Pseudogene.
TK	F01D4.3	Pseudogene.
TK	W03F8.2	Pseudogene.
TK	ZK593.9	Pseudogene.
Other	K08B4.5	Pseudogene.
TK-RTK	C08H9.8	Pseudogene.
AGC/CAMK	Y43D4A.6	Appears twice in Manning's list.
TK	kin-28	Appears twice in Manning's list, 2 nd time as old-2.
Atypical	aSWK467	Appears twice in Manning's list, 2 nd time as ZK370.5.
TK	aSWK454	Probably corresponds to Q9U3B5 but only shares 95% identity.
CAMK	C24G7.5	Merged with unc-89 (O01761).
Other	K10D3.5	Merged with hpo-11 (G5ED17).
Other	aSWK457	Corresponds to F59E12.15 (U4PC52).
TK	R151.4	Merged with R151.1 (A0A0K3ARA3).
TKL	T27C10.5	Corresponds to lrk-1 (Q9T2M3).
TKL	R13F6.7	Corresponds to zac-1 (H2KZW5).
TKL	Y58A7A.f	Corresponds to mlk-1 (Q8T7Z0).
TKL	Y105C5.y	Corresponds to Y105C5A.24 (Q9NF64).

Supplementary Table 2. Genes from the Manning list that appear not to be kinases.

Group	UniProt KB AC	Gene name	Comment
Other	P41951	pqn-25	Sequence analysis suggests that this is not a kinase
STE	P91263	F18F11.4	Sequence suggests that it belongs to the glycosyltransferase family
STE	A4UVJ7	hsd-3	Sequence suggests that it could be a 3 beta-hydroxysteroid dehydrogenase/5-ene-4-ene isomerase
TKL	G5ED99	prx-1	Sequence analysis suggests that this is not a kinase
AGC	Q86DC2	R04A9.5	Sequence analysis suggests that this is not a kinase
CMGC	C0Z1Y4	C16A11.3	Sequence analysis suggests that this is not a kinase
Other	Q95X18	F52C12.2	Sequence analysis suggests that this is not a kinase
Other	O01597	hil-8	Sequence analysis suggests that this is not a kinase
TK	Q9XUQ1	T08G5.2	Sequence analysis suggests that this is not a kinase

Supplementary Table 3. Genes in Manning's list that have been reclassified.

Group/family/ Subfamily	UniProtKB AC	Gene name	Comment
CAMK/CAMKL/CHK1	Q9NF25	Y43D4A.6	Previously assigned by Manning et al. to the AGC group. Paralog of kin-33 (45% Id) which belongs to CAMK group.
CAMK/Unique	G5EED4	nipi-3	Previously assigned by Manning et al. to the Other group. Ortholog of human TRIB1/2/3 (27% Id) which belongs to the CAMK group.
TK	Q11112	C03B1.5	Previously assigned by Manning et al. to the STE group. InterPro classification suggests that it is a tyrosine kinase.
TK-RTK/KIN-16	Q23677	old-2	Previously assigned by Manning et al. to the TK group. Sequence analysis showed that it has a potential transmembrane domain.

Supplementary Table 4. Genes found using IPR000719 InterPro identifier but which are absent from Manning's list.

Group/family/ Subfamily	UniProt KB AC	Gene name	Comment
AGC/NDR	Q22734	T24D5.4	No ortholog, 82% Id with wts-1
AGC/RSK/RSK	G4S4W1	C56G2.5	No ortholog, 34% Id with rskn-1
AGC/RSK/RSK	Q21694	R04A9.7	No ortholog, 43% Id with mouse Rps6ka2, paralog of rskn-1/2 and rsks-1
AGC/RSK/RSK	Q9NAH6	rsks-1	Ortholog (1-to-many) to human RPS6KB1/2, paralog of rskn-1/2 and rsks-1
CAMK/CAMKL/CHK1	Q86S44	R02C2.6	Paralog of chk-1, kin-33/34
CAMK/MLCK	Q8ISF3	ttn-1	Ortholog of human TTN
CAMK/TSSK	Q4U220	C27D6.11	Ortholog (many-to-many) of human TSKs, paralog to tag-344, Y38H8A.4 and W02B12.12
CK1	Q94193	F22H10.1	No ortholog, paralogs are in different families
CK1/TTBKL	Q20906	F56H11.6	Paralog of several members of the TTBKL family
CK1/TTBKL	Q95Y99	M04F3.3	Paralog of several members of the CK1 family, 98% Id with W09C3.1
CK1/TTBKL	Q21521	M05D6.1	99% Id with F35C11.3
CMGC/CLK	C0Z1Y5	C16A11.10	No ortholog, 96% Id with Y73B3A.16 and 58% Id with Y111B2A.1
CMGC/CLK	Q95XE7	Y73B3A.16	No ortholog, 96% Id with Y73B3A.16 and 81% Id with Y111B2A.1
Other/Worm4	O16946	K09C6.2	Paralog of C28A5.6 (91% Id)
Other/Haspin(?)	Q4PIU0	C55C3.8	No ortholog or paralog, 26% Id with Y73B6A.1
Other/Haspin	Q8T3H2	VY10G11R.1	Paralog of C50H2.7 (35% Id)
Other/Nek	P84199	nekl-4	Ortholog of human NEK10, paralog to nekl-1/2 and 3
Other/BUD32	B5WWL2	F52C12.6	Ortholog of human TP53RK
STE/Ste20/MST	Q304D8	cst-2	99.5% identity with cts-1, paralog of cts-1 (gene duplication)
STE/Ste7	Q8MPS3	sek-3	Ortholog (1-to-many) of human MAP2K4
STE/Ste11	Q86ME2	drl-1	Ortholog (1-to-many) of human MAP3K4

TK/Fer	Q9U2T8	Y116A8C.38	Paralog of Y116A8C.24 (92% Id)
TK/Fer	Q8I4A8	kin-6	Paralog of several members of the Fer family
TKL/RAF	G5EEY7	ksr-2	Paralog of ksr-1
TK-RTK/KIN-16	Q95ZK1	W04G5.10	Paralog of several members of the KIN-16 family
	Q9TYI5	Cehd-15	Fragment of P03949 abl-1
	O17544	Cehd-20	Fragment of Q10925 sid-3
	O17545	Cehd-28	Fragment of Q95YD4 kin-32
	Q9TYI7	Cehd-3	Fragment of G5EBM6 kin-21
	O17546	Cehd-39	Fragment of W6SBD5 src-1
	O17539	Cehd-4	Fragment of O45539 src-2
	Q9TYI6	Cehd-7	Fragment of O18174 kin-23
	O17541	Cehd-8	Fragment of D6R8W4 kin-24
	Q9U4D3	W04G5.6A	Fragment of O18174 kin-23
	Q9U4D2	W04G5.6B	Fragment of Q95ZK1 W04G5.10
	Q86RS7		Fragment of G5EE25 hasp-1
	Q646H7		fragment of O01761 unc-89
	Q646H6		fragment of O01761 unc-89

Supplementary Table 5. Genes in Manning's list identified in UniProtKB using only IPR011009 InterPro identifier.

Group	UniProt KB AC	Gene name
CK1	Q9NAP8	K09E4.1
CK1	O01899	F59E12.3
Other	Q18765	C50H2.7
Other	O16940	K09C6.8
Other	O16939	K09C6.7
Atypical	O17735	D2023.6
Atypical	Q9N534	Y32H12A.7
Atypical	O44959	riok-1
Atypical	Q95Q34	riok-2
Atypical	Q18486	coq-8
Atypical	O01991	efk-1
Atypical	Q9N3Q4	atm-1
Atypical	Q22258	atl-1
Atypical	Q95Q95	let-363
Atypical	O01510	sng-1
Atypical	G5EEV2	trr-1
Atypical	P34649	riok-3

Supplementary Table 6. Genes from Manning's list that do not have IPR000719 or IPR011009 InterPro identifiers.

Group	UniProt KB AC	Gene name
Atypical	Q20173	F38E9.5
Atypical	Q76561	F13C5.2
Atypical	Q95Y80	bet-1
Atypical	Q20947	bet-2
Atypical	G5EGM3	taf-1
Atypical	Q07750	unc-60
Atypical	Q02332	pdhk-2

Supplementary Table 7. Additional domains found in *C.elegans* kinases.

Domain	(UniProtKB/Swiss) reviewed	(UniProtKB/TrEMBL) unreviewed
SH2	6	26
SH3	8	2
CRIB	5	0
PH	8	0
PB1	1	0
RBD	1	0
GS	2	0
WIF	1	0
Roc	2	0
SAM	1	0
DEATH	1	0

Supplementary Table 8. *C.elegans* transmembrane protein kinases.

	(UniProtKB/Swiss) reviewed	(UniProtKB/TrEMBL) unreviewed
Ser/Thr kinases	8	3
RGC	27	0
Tyrosine kinase	20	14
Total	55	17

Supplementary Table 9. *C.elegans* pseudokinases.

Group	UniProtKB AC	Gene name	Conserved ATP binding site	Evidence for lack of activity
TK	O16262	nipi-4	YES	Sequence analysis
TK	Q8I7I5	rol-3	YES	Sequence analysis
TK-RTK	Q18163	ddr-1	YES	Sequence analysis
TK-RTK	G5ED65	ver-1	YES	Sequence analysis
TK-RTK	O76695	ver-2	NO	Sequence analysis
TK-RTK	G5EGT9	lin-18	YES	Similarity to ortholog
TK-RTK	Q95YD4	kin-32	YES	Experimental
STE	Q86ME2	drl-1	NO	Sequence analysis
STE	G5ECN5	strd-1	YES	Experimental
TKL	Q9TZC4	pat-4	NO	Sequence analysis
TKL	G5EDA5	ksr-2	NO	Sequence analysis
Other	G5EBL2	mes-1	YES	Sequence analysis
CK1	Q09503	C45G9.1	YES	Sequence analysis
CAMK	G5EED4	nipi-3	YES	Sequence analysis

Group: RGC kinases

UniProtKB AC	Gene name	Conserved ATP binding site	Evidence for lack of activity
Q09435	gcy-1	NO	Sequence analysis
Q10029	gcy-2	NO	Sequence analysis
Q10028	gcy-3	YES	Sequence analysis
Q23681	gcy-4	NO	Sequence analysis
Q23682	gcy-5	NO	Sequence analysis
N1NVB7	gcy-6	YES	Sequence analysis
H2L002	gcy-7	YES	Sequence analysis
Q9GYQ4	gcy-8	YES	Sequence analysis
E7EAU8	gcy-9	YES	Sequence analysis
B1Q257	odr-1 gcy-10	YES	Sequence analysis
Q18331	gcy-11	NO	Sequence analysis
Q19187	gcy-12	YES	Sequence analysis
Q19768	gcy-13	NO	Sequence analysis
Q23310	gcy-14	YES	Sequence analysis
P91550	gcy-15	YES	Sequence analysis
X5M8U1	gcy-17	NO	Sequence analysis
G5EFQ0	gcy-18	NO	Sequence analysis
O16544	gcy-19	NO	Sequence analysis
O62179	gcy-20 gcy-16	YES	Sequence analysis
O16715	gcy-21	YES	Sequence analysis
Q9XTY1	gcy-22	NO	Sequence analysis
G5EEE9	gcy-23	NO	Sequence analysis
A0A078BQP2	gcy-25	YES	Sequence analysis
Q9XU42	gcy-27	NO	Sequence analysis

Q86GV3	gcy-28	YES	Sequence analysis
O62026	gcy-29	YES	Sequence analysis
Q8I4N4	daf-11	NO	Sequence analysis

These kinases have 2 kinase domains one of which is inactive.

Group	UniProtKB AC	Gene name	Conserved ATP binding site	Evidence for lack of activity
Other	D0Z5N4	gcn-2	YES	Sequence analysis
CAMK	O01761	unc-89	NO	Sequence analysis

Supplementary Table 10. List of the *C.elegans* kinases.

A classification of the 438 *C.elegans* kinases based on Manning et al [8] is provided. For each kinases, the UniProtKB accession number (AC) is given as well as their curation status (column G). Entries that have been manually curated are recorded as reviewed (Swiss-Prot entries) and entries that are waiting experimental characterization are recorded as unreviewed (TrEMBL entries). In red are the two kinases that are represented twice as they have two kinase domains which belonged to two different groups.

Group	Family	Subfamily	Gene name	Gene sequence name	UniProt KB AC (release 2015_12)	Status (2016)
AGC	AKT		akt-1	C12D8.10	Q17941	reviewed
AGC	AKT		akt-2	F28H6.1	Q9XTG7	reviewed
AGC	DMPK	ROCK	let-502	C10H11.9	P92199	reviewed
AGC	GRK	BARK	grk-2	W02B3.2	Q09639	reviewed
AGC	GRK	GRK	grk-1	F19C6.1	Q09537	reviewed
AGC	NDR		sax-1	R11G1.4	Q2L6W9	reviewed
AGC	PDK1		pdk-1	H42K12.1	Q9Y1J3	reviewed
AGC	PKA		kin-1	ZK909.2	P21137	reviewed
AGC	PKC	Alpha	pkc-2	E01H11.1	P90980	reviewed
AGC	PKC	Delta	tpa-1	B0545.1	P34722	reviewed
AGC	PKC	Eta	pkc-1	F57F5.5	P34885	reviewed
AGC	PKC	Iota	pkc-3	F09E5.1	Q19266	reviewed
AGC	PKG		egl-4	F55A8.2	Q76360	reviewed
AGC	RSK	MSK	<i>rskn-2</i>	C54G4.1	Q18846	reviewed
AGC	RSK	RSK	<i>rskn-1</i>	T01H8.1	Q21734	reviewed
AGC	SGK		sgk-1	W10G6.2	Q2PJ68	reviewed
AGC			F31E3.2	F31E3.2	Q8MYQ1	reviewed
AGC	DMPK	GEK	mrck-1	K08B12.5	O01583	reviewed
AGC	NDR		wts-1	T20F10.1	Q45797	reviewed
AGC	PKA		F47F2.1	F47F2.1	Q7JP68	reviewed
AGC	RSK	RSK	rsks-1	Y47D3A.16	Q9NAH6	reviewed
AGC	MAST		kin-4	C10C6.1	G5EFA4	unreviewed
AGC	NDR		T24D5.4	T24D5.4	Q22734	unreviewed
AGC	PDK1		W04B5.5	W04B5.5	Q9UA62	unreviewed
AGC	PKG		pkg-2	C09G4.2	H2KYN2	unreviewed
AGC	PKN		pkn-1	F46F6.2	G5EGE3	unreviewed
AGC	RSK	RSK	C56G2.5	C56G2.5	G4S4W1	unreviewed
AGC	RSK	RSK	R04A9.7	R04A9.7	Q21694	unreviewed
AGC	RSKL		rskd-1	F55C5.7	Q20821	unreviewed

AGC	YANK		M03C11.1	M03C11.1	Q21483	unreviewed
AGC			F28C10.3	F28C10.3	Q19858	unreviewed
CAMK	CAMK1		cmk-1	K07A9.2	Q9TXJ0	reviewed
CAMK	CAMK2		unc-43	K11E8.1	O62305	reviewed
CAMK	CAMKL	AMPK	aak-1	PAR2.3	P45894	reviewed
CAMK	CAMKL	AMPK	aak-2	T01C8.1	Q95ZQ4	reviewed
CAMK	CAMKL	BRSK	sad-1	F15A2.6	Q19469	reviewed
CAMK	CAMKL	CHK1	chk-1	Y39H10A.7	Q9N3Z3	reviewed
CAMK	CAMKL	LKB	par-4	Y59A8B.14	Q9GN62	reviewed
CAMK	CAMKL	MARK	par-1	H39E23.1	Q9TW45	reviewed
CAMK	CASK		lin-2	F17E5.1	P54936	reviewed
CAMK	DAPK		dapk-1	K12C11.4	O44997	reviewed
CAMK	DCAMKL		zyg-8	Y79H2A.11	Q95QC4	reviewed
CAMK	MLCK		unc-89	C09D1.1	O01761	reviewed
CAMK	MLCK		unc-22	ZK617.1	Q23551	reviewed
CAMK	PKD		dkf-2	T25E12.4	O45818	reviewed
CAMK	PKD		dkf-1	W09C5.5	Q9XUJ7	reviewed
CAMK	RSKb	MSKb	<i>rskn-2</i>	C54G4.1	Q18846	reviewed
CAMK	RSKb	RSKb	<i>rskn-1</i>	T01H8.1	Q21734	reviewed
CAMK	CAMKL	QIK	kin-29	F58H12.1	Q21017	reviewed
CAMK	CAMKL	MELK	pig-1	W03G1.6	U4PR86	reviewed
CAMK	MLCK		ttn-1	W06H8.8	Q8ISF3	reviewed
CAMK	PIM		prk-2	F45H7.4	Q20443	reviewed
CAMK	RAD53		chk-2	Y60A3A.12	Q9U1Y5	reviewed
CAMK	Unique		nipi-3	K09A9.1	G5EED4	reviewed
CAMK	MAPKAPK	MAPKAPK	mak-1	K08F8.1	Q21360	reviewed
CAMK	MAPKAPK	MAPKAPK	mak-2	C44C8.6	Q965G5	reviewed
CAMK	MAPKAPK	MNK	mnk-1	R166.5	Q8I113	reviewed
CAMK	CAMKL	CHK1	kin-33	DC2.7	H2KZK1	unreviewed
CAMK	CAMKL	CHK1	kin-34	R02C2.2	O44546	unreviewed
CAMK	CAMKL	CHK1	R02C2.1	R02C2.1	O44547	unreviewed
CAMK	CAMKL	CHK1	R02C2.6	R02C2.6	Q86S44	unreviewed
CAMK	CAMKL	CHK1	Y43D4A.6	Y43D4A.6	Q9NF25	unreviewed

CAMK	CAMKL	MARK	F23C8.8	F23C8.8	Q9TXI1	unreviewed
CAMK	CAMKL	NIM1	F49C5.4	F49C5.4	Q17879	unreviewed
CAMK	CAMKL	NuaK	unc-82	B0496.3	H2KYA5	unreviewed
CAMK	CAMKL	SNRK	ZK524.4	ZK524.4	G5EFV2	unreviewed
CAMK	DCAMKL		F32D8.1	F32D8.1	Q19962	unreviewed
CAMK	MLCK		ZC373.4	ZC373.4	Q23260	unreviewed
CAMK	PHK		Y50D7A.3	Y50D7A.3	Q9N3L4	unreviewed
CAMK	PIM		prk-1	C06E8.3	K8ESD7	unreviewed
CAMK	PSK		R06A10.4	R06A10.4	Q44747	unreviewed
CAMK	RAD53		T08D2.7	T08D2.7	A4F324	unreviewed
CAMK	TSSK		tag-344	B0511.4	O61821	unreviewed
CAMK	TSSK		Y38H8A.4	Y38H8A.4	O62424	unreviewed
CAMK	TSSK		W02B12.12	W02B12.12	Q23128	unreviewed
CAMK	TSSK		C27D6.11	C27D6.11	Q4U220	unreviewed
CK1	CK1	CK1-A	kin-19	C03C10.1	P42168	reviewed
CK1	CK1	CK1-D	kin-20	F46F2.2	Q20471	reviewed
CK1	TTBKL		K06H7.8	K06H7.8	P34516	reviewed
CK1	TTBKL		C03C10.2	C03C10.2	P42169	reviewed
CK1	TTBKL		C45G9.1	C45G9.1	Q09503	reviewed
CK1	Unique		ZK507.1	ZK507.1	P34633	reviewed
CK1	Unique		ZK507.3	ZK507.3	P34635	reviewed
CK1	VRK		vrk-1	F28B12.3	Q19848	reviewed
CK1	CK1	CK1-G	csnk-1	Y106G6E.6	Q8WQ99	reviewed
CK1	Worm6		spe-6	Y66D12A.20	Q95PZ9	reviewed
CK1	Dual		H05L14.1	H05L14.1	G5EEA3	unreviewed
CK1	Dual		F59A6.4	F59A6.4	Q21026	unreviewed
CK1	Dual		T05A7.6	T05A7.6	Q22203	unreviewed
CK1	TTBKL		C14A4.13	C14A4.13	G5EFC2	unreviewed
CK1	TTBKL		B0207.7	B0207.7	O01429	unreviewed
CK1	TTBKL		ZC581.2	ZC581.2	O01773	unreviewed
CK1	TTBKL		tag-191	C53A5.4	O17693	unreviewed
CK1	TTBKL		T11F8.4	T11F8.4	O44192	unreviewed
CK1	TTBKL		W03G9.5	W03G9.5	O44751	unreviewed

CK1	TTBKL		W06F12.3	W06F12.3	Q45897	unreviewed
CK1	TTBKL		F54H5.2	F54H5.2	P91332	unreviewed
CK1	TTBKL		ZK354.6	ZK354.6	P91566	unreviewed
CK1	TTBKL		C04G2.2	C04G2.2	Q17631	unreviewed
CK1	TTBKL		C05C12.1	C05C12.1	Q17651	unreviewed
CK1	TTBKL		C49C8.1	C49C8.1	Q18707	unreviewed
CK1	TTBKL		C56C10.6	C56C10.6	Q18882	unreviewed
CK1	TTBKL		D2024.1	D2024.1	Q18976	unreviewed
CK1	TTBKL		D2045.5	D2045.5	Q18984	unreviewed
CK1	TTBKL		F26A1.4	F26A1.4	Q19794	unreviewed
CK1	TTBKL		F35C11.3	F35C11.3	Q20018	unreviewed
CK1	TTBKL		F56H11.6	F56H11.6	Q20906	unreviewed
CK1	TTBKL		M05D6.1	M05D6.1	Q21521	unreviewed
CK1	TTBKL		M7.7	M7.7	Q21590	unreviewed
CK1	TTBKL		R90.1	R90.1	Q22033	unreviewed
CK1	TTBKL		T05C12.1	T05C12.1	Q22223	unreviewed
CK1	TTBKL		T19D12.5	T19D12.5	Q22573	unreviewed
CK1	TTBKL		W01B6.2	W01B6.2	Q23103	unreviewed
CK1	TTBKL		ZK666.8	ZK666.8	Q23566	unreviewed
CK1	TTBKL		W09C3.1	W09C3.1	Q351L3	unreviewed
CK1	TTBKL		M04F3.3	M04F3.3	Q95Y99	unreviewed
CK1	TTBKL		Y47G6A.13	Y47G6A.13	Q9N3T7	unreviewed
CK1	TTBKL		Y71F9AL.2	Y71F9AL.2	Q9N4H2	unreviewed
CK1	TTBKL		R10D12.10	R10D12.10	Q9XVK4	unreviewed
CK1	TTBKL		F32B6.10	F32B6.10	Q9XVP6	unreviewed
CK1	Unique		C25H3.1	C25H3.1	Q18189	unreviewed
CK1	Unique		T15B12.2	T15B12.2	Q22518	unreviewed
CK1	Unique		F16B12.5	F16B12.5	Q93521	unreviewed
CK1	Unique		K09E4.1	K09E4.1	Q9NAP8	unreviewed
CK1	Worm10		F26A1.3	F26A1.3	Q19798	unreviewed
CK1	Worm10		F25F2.1	F25F2.1	Q7YXD1	unreviewed
CK1	Worm11		K11C4.1	K11C4.1	Q94277	unreviewed
CK1	Worm6		C27D8.1	C27D8.1	G5EBW7	unreviewed

CK1	Worm6		C09D4.3	C09D4.3	001733	unreviewed
CK1	Worm6		F59E12.3	F59E12.3	001899	unreviewed
CK1	Worm6		T09B4.7	T09B4.7	002157	unreviewed
CK1	Worm6		F33D11.7	F33D11.7	044777	unreviewed
CK1	Worm6		C34B2.3	C34B2.3	044950	unreviewed
CK1	Worm6		Y38H8A.3	Y38H8A.3	062426	unreviewed
CK1	Worm6		F36H12.9	F36H12.9	076711	unreviewed
CK1	Worm6		ttbk-2	F36H12.8	076712	unreviewed
CK1	Worm6		B0218.5	B0218.5	Q17448	unreviewed
CK1	Worm6		C08F8.6	C08F8.6	Q17825	unreviewed
CK1	Worm6		C09B9.4	C09B9.4	Q17853	unreviewed
CK1	Worm6		C39H7.1	C39H7.1	Q18553	unreviewed
CK1	Worm6		C50F4.10	C50F4.10	Q18738	unreviewed
CK1	Worm6		F38E1.3	F38E1.3	Q20160	unreviewed
CK1	Worm6		F41G3.5	F41G3.5	Q20288	unreviewed
CK1	Worm6		ZK596.2	ZK596.2	Q23546	unreviewed
CK1	Worm6		C38C3.4	C38C3.4	Q7KQ32	unreviewed
CK1	Worm6		ZK354.2	ZK354.2	Q8MPS7	unreviewed
CK1	Worm6		R13H9.6	R13H9.6	Q966G1	unreviewed
CK1	Worm6		R13H9.5	R13H9.5	Q966G2	unreviewed
CK1	Worm6		C55B7.10	C55B7.10	Q966M1	unreviewed
CK1	Worm6		Y39G8C.2	Y39G8C.2	Q9BHK8	unreviewed
CK1	Worm6		Y69F12A.1	Y69F12A.1	Q9N4Q0	unreviewed
CK1	Worm6		F53C3.1	F53C3.1	Q9TXU0	unreviewed
CK1	Worm6		Y65B4A.9	Y65B4A.9	V6CLY3	unreviewed
CK1	Worm7		ZC373.3	ZC373.3	Q23259	unreviewed
CK1	Worm8		F22F1.2	F22F1.2	Q19742	unreviewed
CK1	Worm8		F39F10.3	F39F10.3	Q20192	unreviewed
CK1	Worm8		F39F10.2	F39F10.2	Q20193	unreviewed
CK1	Worm9		E02H4.6	E02H4.6	G5EFL7	unreviewed
CK1	Worm9		K04C1.5	K04C1.5	Q21204	unreviewed
CK1			F22H10.1	F22H10.1	Q94193	unreviewed
CMGC	CDK	CDC2	cdk-1	T05G5.3	P34556	reviewed

CMGC	CDK	CDK8	cdk-8	F39H11.3	P90866	reviewed
CMGC	CDK	CDK9	cdk-9	H25P06.2	Q9TVL3	reviewed
CMGC	CDK	CRK7	cdk-12	B0285.1/B0285.	P46551	reviewed
CMGC	CDK	PITSLRE	B0495.2	B0495.2	Q09437	reviewed
CMGC	Dyrk	Dyrk1	mbk-1	T04C10.1	Q8WQL7	reviewed
CMGC	Dyrk	Dyrk2	mbk-2	F49E11.1	Q9XTF3	reviewed
CMGC	GSK		R03D7.5	R03D7.5	Q09595	reviewed
CMGC	GSK		gsk-3	Y18D10A.5	Q9U2Q9	reviewed
CMGC	MAPK	Erk	mpk-1	F43C1.2	P39745	reviewed
CMGC	MAPK	Erk7	C05D10.2	C05D10.2	Q11179	reviewed
CMGC	MAPK	Jnk	jnk-1	B0478.1	Q8WQG9	reviewed
CMGC	MAPK	nmo	lit-1	W06F12.1	Q9U9Y8	reviewed
CMGC	MAPK	p38	pmk-3	F42G8.4	O44514	reviewed
CMGC	MAPK	p38	pmk-1	B0218.3	Q17446	reviewed
CMGC	MAPK	p38	pmk-2	F42G8.3	Q8MXI4	reviewed
CMGC	SRPK		spk-1	B0464.5	Q03563	reviewed
CMGC	CDK	CDC2	cdk-2	K03E5.3	O61847	reviewed
CMGC	CDK	CDK4	cdk-4	F18H3.5	Q9XTR1	reviewed
CMGC	CDK	CDK5	cdk-5	T27E9.3	G5ECH7	reviewed
CMGC	CDK	CDK7	cdk-7	Y39G10AL.3	G5EFV5	reviewed
CMGC	CDK	TAIRE	pct-1	C07G1.3	Q8I7M8	reviewed
CMGC	Dyrk	HIPK	hpk-1	F20B6.8	Q8MQ70	reviewed
CMGC	MAPK	Jnk	kgb-1	T07A9.3	O44408	reviewed
CMGC	MAPK		sma-5	W06B3.2	G5EBT1	reviewed
CMGC	RCK		dyf-5	M04C9.5	B3WFY8	reviewed
CMGC	CDK	PITSLRE	ZC504.3	ZC504.3	Q23357	unreviewed
CMGC	CDK	TAIRE	ZC123.4	ZC123.4	Q65CM2	unreviewed
CMGC	CDK		dyf-18	H01G02.2	O17903	unreviewed
CMGC	CDKL		cdkl-1	Y42A5A.4	E1NZ10	unreviewed
CMGC	CLK		C16A11.10	C16A11.10	C0Z1Y5	unreviewed
CMGC	CLK		madd-3	E02H4.3	G5EDB2	unreviewed
CMGC	CLK		Y73B3A.16	Y73B3A.16	Q95XE7	unreviewed
CMGC	CLK		Y111B2A.1	Y111B2A.1	Q9BHM0	unreviewed

CMGC	Dyrk	Dyrk2	C36B7.1	C36B7.1	Q966P5	unreviewed
CMGC	Dyrk	Dyrk2	C36B7.2	C36B7.2	Q966P6	unreviewed
CMGC	Dyrk	PRP4	prpf-4	F22D6.5	Q19727	unreviewed
CMGC	GSK		Y106G6E.1	Y106G6E.1	G5EFV1	unreviewed
CMGC	GSK		F21F3.2	F21F3.2	P91267	unreviewed
CMGC	GSK		gska-3	C36B1.10	Q93344	unreviewed
CMGC	GSK		C44H4.6	C44H4.6	Q93372	unreviewed
CMGC	GSK		Y106G6D.4	Y106G6D.4	Q9XX60	unreviewed
CMGC	MAPK	Jnk	kgb-2	ZC416.4	H2KZIO	unreviewed
CMGC	MAPK	Jnk	C49C3.10	C49C3.10	Q9U3L3	unreviewed
CMGC	MAPK	Jnk	Y51B9A.9	Y51B9A.9	Q9XXC0	unreviewed
CMGC	MAPK		mpk-2	C04G6.1	H2KYF8	unreviewed
CMGC	MAPK		F09C12.2	F09C12.2	Q19243	unreviewed
CMGC			F52B5.2	F52B5.2	Q20643	unreviewed
Other	Aur		air-2	B0207.4	O01427	reviewed
Other	CK2		kin-3	B0205.7	P18334	reviewed
Other	Haspin		ZK177.2	ZK177.2	Q09371	reviewed
Other	IRE		ire-1	C41C4.4	Q09499	reviewed
Other	Nek		nekl-4	D1044.8	P84199	reviewed
Other	NKF1		C01C4.3	C01C4.3	Q11090	reviewed
Other	NKF2		pink-1	EEED8.9	Q09298	reviewed
Other	PEK	PEK	pek-1	F46C3.1	Q19192	reviewed
Other	PLK		plk-1	C14B9.4	P34331	reviewed
Other	PLK		plk-3	F55G1.8	Q20845	reviewed
Other	PLK		plk-2	Y71F9B.7	Q9N2L7	reviewed
Other	TLK		tlk-1	C07A9.3	P34314	reviewed
Other	ULK		unc-51	Y60A3A.1	Q23023	reviewed
Other	Unique		zyg-1	F59E12.2	Q9GT24	reviewed
Other	Unique		flr-4	F09B12.6	Q9NLA1	reviewed
Other	WEE		wee-1.3	Y53C12A.1	O18209	reviewed
Other	WEE		wee-1.1	F35H8.7	Q20085	reviewed
Other	Worm3		ikke-1	R107.4	P32742	reviewed
Other	CAMKK	Meta	cck-1	C05H8.1	Q3Y416	reviewed

Other	Nak		sel-5	F35G12.3	G5ECQ3	reviewed
Other	Nek		nekl-3	F19H6.1	G5EFM9	reviewed
Other	Nek		nekl-2	ZC581.1	O01775	reviewed
Other	PEK	GCN2	gcn-2	Y81G3A.3	D0Z5N4	reviewed
Other	Wnk		wnk-1	C46C2.1	X5M5N0	reviewed
Other	Bub		bub-1	R06C7.8	Q21776	reviewed
Other	Worm1		mes-1	F54F7.5	G5EBL2	reviewed
Other	Aur		air-1	K07C11.2	G5EDL3	unreviewed
Other	BUD32		F52C12.6	F52C12.6	B5WWL2	unreviewed
Other	CDC7		cdc-7	C34G6.5	O01493	unreviewed
Other	Haspin		C04G2.10	C04G2.10	C1P643	unreviewed
Other	Haspin		hasp-1	C01H6.9	G5EE25	unreviewed
Other	Haspin		C50H2.7	C50H2.7	Q18765	unreviewed
Other	Haspin		VY10G11R.1	VY10G11R.1	Q8T3H2	unreviewed
Other	Haspin		hasp-2	Y18H1A.10	Q9BL96	unreviewed
Other	Haspin		Y73B6A.1	Y73B6A.1	Q9N4E6	unreviewed
Other	Haspin		H12I13.1	H12I13.1	Q9N5M9	unreviewed
Other	Haspin		Y48B6A.10	Y48B6A.10	Q9U2A2	unreviewed
Other	Haspin		F59E12.15	F59E12.15	U4PC52	unreviewed
Other	Haspin(?)		C55C3.8	C55C3.8	Q4PIU0	unreviewed
Other	Nak		tag-257	F46G11.3	Q20483	unreviewed
Other	Nek		nekl-1	Y39G10AR.3	A0A061AD48	unreviewed
Other	NRBP		hpo-11	H37N21.1	G5ED17	unreviewed
Other	PEK	PEK	Y38E10A.8	Y38E10A.8	Q9NAK3	unreviewed
Other	SCY1		ZC581.9	ZC581.9	O01776	unreviewed
Other	SCY1		W07G4.3	W07G4.3	Q23215	unreviewed
Other	TBCK		tbck-1	C33F10.2	Q18386	unreviewed
Other	ULK		T07F12.4	T07F12.4	Q22324	unreviewed
Other	Unique		comp-1	F37E3.3	O01765	unreviewed
Other	Unique		cec-9	C29H12.5	Q18313	unreviewed
Other	Unique		D2045.7	D2045.7	Q18988	unreviewed
Other	Unique		K02E10.7	K02E10.7	Q21138	unreviewed
Other	Unique		Y53F4B.1	Y53F4B.1	Q9NAC7	unreviewed

Other	Unique		Y106G6A.1	Y106G6A.1	Q9XWQ5	unreviewed
Other	Unique		K11H12.9	K11H12.9	U4PDY6	unreviewed
Other	VPS15		vps-15	ZK930.1	Q23669	unreviewed
Other	Worm1		B0198.3	B0198.3	Q17443	unreviewed
Other	Worm2		K09C6.7	K09C6.7	O16939	unreviewed
Other	Worm2		K09C6.8	K09C6.8	O16940	unreviewed
Other	Worm3		Y39G8B.5	Y39G8B.5	Q9U2J3	unreviewed
Other	Worm4		C28A5.6	C28A5.6	G5EC33	unreviewed
Other	Worm4		K09C6.2	K09C6.2	O16946	unreviewed
Other	Worm5		C44C10.7	C44C10.7	Q18615	unreviewed
Other	Worm5		K08H2.5	K08H2.5	Q21373	unreviewed
Other	Worm5		F16B12.7	F16B12.7	Q93522	unreviewed
STE	Ste20	MSN	mig-15	ZC504.4	Q23356	reviewed
STE	Ste20	MST	cst-1	F14H12.4	Q9NB31	reviewed
STE	Ste20	PAKA	pak-1	C09B8.7	Q17850	reviewed
STE	Ste20	TAO	kin-18	T17E9.1	P46549	reviewed
STE	Ste7		mek-2	Y54E10BL.6	Q10664	reviewed
STE	Ste7		mkk-4	F42G10.2	Q20347	reviewed
STE	Ste11		nsy-1	F59A6.1	Q21029	reviewed
STE	Ste11		drl-1	F18F11.5	Q86ME2	reviewed
STE	Ste20	FRAY	gck-3	Y59A8B.23	G5EEN4	reviewed
STE	Ste20	PAKA	max-2	Y38F1A.10	G5EGQ3	reviewed
STE	Ste20	PAKB	pak-2	C45B11.1	G5EFU0	reviewed
STE	Ste20	STLK	strd-1	Y52D3.1	G5ECN5	reviewed
STE	Ste20	YSK	gck-1	T19A5.2	H2L0A0	reviewed
STE	Ste7		sek-1	R03G5.2	G5EDF7	reviewed
STE	Ste7		jkk-1	F35C8.3	G5EDT6	reviewed
STE	Ste7		mek-1	K08A8.1	Q21307	reviewed
STE	Ste11		mtk-1	B0414.7	Q960A2	unreviewed
STE	Ste20	KHS	gck-2	ZC404.9	Q23290	unreviewed
STE	Ste20	MST	cst-2	C24A8.4	Q304D8	unreviewed
STE	Ste20	SLK	gck-4	C04A11.3	O17566	unreviewed
STE	Ste7		sek-6	VZC374L.1	O01706	unreviewed

STE	Ste7		sek-5	F35C8.1	Q58AU7	unreviewed
STE	Ste7		sek-4	F35C8.2	Q58AU8	unreviewed
STE	Ste7		sek-3	ZC449.3	Q8MPS3	unreviewed
STE	Ste7		E02D9.1	E02D9.1	Q9TYV7	unreviewed
TK	Abl		abl-1	M79.1	P03949	reviewed
TK	Ack		sid-3	B0302.1	Q10925	reviewed
TK	Unique		rol-3	C16D9.2	Q8I7I5	reviewed
TK	Fer		C03B1.5	C03B1.5	Q11112	reviewed
TK	Ack		ark-1	C01C7.1	G5EBZ8	reviewed
TK	Csk		csk-1	Y48G1C.2	G5ECJ6	reviewed
TK	Src		src-1	Y92H12A.1	G5EE56	reviewed
TK	Unique		nipi-4	F40A3.5	O16262	reviewed
TK	Src		src-2	F49B2.5	O45539	reviewed
TK	Fer		frk-1	T04B2.2	Q22146	reviewed
TK	Fer		spe-8	F53G12.6	O01798	reviewed
TK	Fer		kin-14	F22D6.1	Q19726	unreviewed
TK	Fer		kin-24	K07F5.4	D6R8W4	unreviewed
TK	Fer		kin-21	W08D2.8	G5EBM6	unreviewed
TK	Fer		kin-26	T06C10.6	Q22245	unreviewed
TK	Fer		C35E7.10	C35E7.10	H2KZ80	unreviewed
TK	Fer		Y116A8C.24	Y116A8C.24	H8ESG3	unreviewed
TK	Fer		F26E4.5	F26E4.5	O01325	unreviewed
TK	Fer		ZC581.7	ZC581.7	O01774	unreviewed
TK	Fer		T21G5.1	T21G5.1	O02064	unreviewed
TK	Fer		F59A3.8	F59A3.8	P91360	unreviewed
TK	Fer		C25A8.5	C25A8.5	Q18142	unreviewed
TK	Fer		C55C3.4	C55C3.4	Q18865	unreviewed
TK	Fer		F22B3.8	F22B3.8	Q19704	unreviewed
TK	Fer		F57B9.8	F57B9.8	Q20933	unreviewed
TK	Fer		R05H5.4	R05H5.4	Q21764	unreviewed
TK	Fer		T06C10.3	T06C10.3	Q22243	unreviewed
TK	Fer		T25B9.4	T25B9.4	Q22765	unreviewed
TK	Fer		T25B9.5	T25B9.5	Q22766	unreviewed

TK	Fer		W01B6.5	W01B6.5	Q23102	unreviewed
TK	Fer		W03A5.1	W03A5.1	Q23136	unreviewed
TK	Fer		ZK622.1	ZK622.1	Q23554	unreviewed
TK	Fer		kin-6	ZK20.2	Q8I4A8	unreviewed
TK	Fer		C18H7.4	C18H7.4	Q9GZG1	unreviewed
TK	Src		Y47G6A.5	Y47G6A.5	Q9N3S5	unreviewed
TK	Fer		Y52D5A.2	Y52D5A.2	Q9N4S6	unreviewed
TK	Fer		F23C8.7	F23C8.7	Q9TXI2	unreviewed
TK	Fer		R11E3.1	R11E3.1	Q9TYX4	unreviewed
TK	Fer		Y116A8C.38	Y116A8C.38	Q9U2T8	unreviewed
TK	Fer		K09B11.5	K09B11.5	Q9U3B5	unreviewed
TK	Fer		Y69E1A.3	Y69E1A.3	Q9XW34	unreviewed
TK	Fer		Y43C5B.2	Y43C5B.2	Q9XXE5	unreviewed
TK	Unique		kin-5	T13H10.1	G5EC46	unreviewed
TK	Unique		T22B11.3	T22B11.3	O44562	unreviewed
TK	Unique		C34F11.5	C34F11.5	Q18462	unreviewed
TK	Unique		F59F5.3	F59F5.3	Q21046	unreviewed
TK	Unique		Y38H6C.20	Y38H6C.20	Q9XX42	unreviewed
TKL	LRRK		lrk-1	T27C10.6	Q9TZM3	reviewed
TKL	MLK	LZK	dlk-1	F33E2.2	O01700	reviewed
TKL	MLK	TAK1	mom-4	F52F12.3	Q9XTC6	reviewed
TKL	RAF		lin-45	Y73B6A.5	Q07292	reviewed
TKL	STKR	Type1	daf-1	F29C4.1	P20792	reviewed
TKL	STKR	Type1	sma-6	C32D5.2	Q09488	reviewed
TKL	STKR	Type2	daf-4	C05D2.1	P50488	reviewed
TKL	MLK	ILK	pat-4	C29F9.7	Q9TZC4	reviewed
TKL	MLK	MLK	mlk-1	K11D12.10	Q8T7Z0	reviewed
TKL	RAF		ksr-2	F58D5.4	G5EEY7	reviewed
TKL	RAF		ksr-1	F13B9.5	G5EFD2	reviewed
TKL	IRAK		pik-1	K09B11.1	G5ECP4	unreviewed
TKL	MLK	HH498	C24A1.3	C24A1.3	H2KYY2	unreviewed
TKL	MLK	MLK	zak-1	R13F6.6	H2KZW5	unreviewed
TKL	MLK	TAK1	Y105C5A.24	Y105C5A.24	Q9NF64	unreviewed

TK-RTK	EGFR		let-23	ZK1067.1	P24348	reviewed
TK-RTK	Eph		vab-1	M03A1.1	O61460	reviewed
TK-RTK	FGFR		egl-15	F58A3.2	Q10656	reviewed
TK-RTK	InsR		daf-2	Y55D5A.5	Q968Y9	reviewed
TK-RTK	KIN-16		kin-15	M176.6	P34891	reviewed
TK-RTK	KIN-16		kin-16	M176.7	P34892	reviewed
TK-RTK	KIN-9		F09A5.2	F09A5.2	Q19238	reviewed
TK-RTK	Alk		scd-2	T10H9.2	O76411	reviewed
TK-RTK	DDR		ddr-1	C25F6.4	Q18163	reviewed
TK-RTK	DDR		ddr-2	F11D5.3	Q95ZV7	reviewed
TK-RTK	Fak		kin-32	C30F8.4	Q95YD4	reviewed
TK-RTK	KIN-16		ver-1	T17A3.1	G5ED65	reviewed
TK-RTK	KIN-16		ver-2	T17A3.8	O76695	reviewed
TK-RTK	KIN-16		old-1	C08H9.5	Q17833	reviewed
TK-RTK	KIN-16		ver-3	F59F3.1	Q21038	reviewed
TK-RTK	KIN-16		ver-4	F59F3.5	Q21041	reviewed
TK-RTK	Met		svh-2	T14E8.1	H2KZU7	reviewed
TK-RTK	Ror		cam-1	C01G6.8	G5EGK5	reviewed
TK-RTK	Ryk		lin-18	C16B8.1	G5EGT9	reviewed
TK-RTK	KIN-16		kin-30	M01B2.1	O17955	unreviewed
TK-RTK	KIN-16		T01G5.1	T01G5.1	O18008	unreviewed
TK-RTK	KIN-16		kin-23	W04G5.6	O18174	unreviewed
TK-RTK	KIN-16		R09D1.12	R09D1.12	Q21867	unreviewed
TK-RTK	KIN-16		R09D1.13	R09D1.13	Q21868	unreviewed
TK-RTK	KIN-16		old-2	ZK938.5	Q23677	unreviewed
TK-RTK	KIN-16		W04G5.10	W04G5.10	Q95ZK1	unreviewed
TK-RTK	KIN-16		Y50D4B.6	Y50D4B.6	Q9N4T2	unreviewed
TK-RTK	KIN-9		kin-9	F08F1.1	H2KZN4	unreviewed
TK-RTK	KIN-9		F09G2.1	F09G2.1	O17408	unreviewed
TK-RTK	KIN-9		C24G6.2	C24G6.2	O76385	unreviewed
TK-RTK	KIN-9		B0252.1	B0252.1	Q10915	unreviewed
TK-RTK	Met		F11E6.8	F11E6.8	Q9XVQ7	unreviewed
TK-RTK	Trk		trk-1	D1073.1	G4RZJ9	unreviewed

TK-RTK	Unique		R151.1	R151.1	A0A0K3ARA3	unreviewed
RGC	RGC		gcy-1	AH6.1	Q09435	reviewed
RGC	RGC		gcy-25	Y105C5B.2	A0A078BQP2	reviewed
RGC	RGC		odr-1, gcy-10	R01E6.1	B1Q257	reviewed
RGC	RGC		gcy-9	ZK455.2	E7EAU8	reviewed
RGC	RGC		gcy-23	T26C12.4	G5EEE9	reviewed
RGC	RGC		gcy-18	ZK896.8	G5EFQ0	reviewed
RGC	RGC		gcy-7	F52E1.4	H2L002	reviewed
RGC	RGC		gcy-6	B0024.6	N1NVB7	reviewed
RGC	RGC		gcy-19	C17F4.6	O16544	reviewed
RGC	RGC		gcy-21	F22E5.3	O16715	reviewed
RGC	RGC		gcy-29	C04H5.3	O62026	reviewed
RGC	RGC		gcy-20, gcy-16	F21H7.9	O62179	reviewed
RGC	RGC		gcy-15	ZC239.7	P91550	reviewed
RGC	RGC		gcy-3	R134.1	Q10028	reviewed
RGC	RGC		gcy-2	R134.2	Q10029	reviewed
RGC	RGC		gcy-11	C30G4.3	Q18331	reviewed
RGC	RGC		gcy-12	F08B1.2	Q19187	reviewed
RGC	RGC		gcy-13	F23H12.6	Q19768	reviewed
RGC	RGC		gcy-14	ZC412.2	Q23310	reviewed
RGC	RGC		gcy-4	ZK970.5	Q23681	reviewed
RGC	RGC		gcy-5	ZK970.6	Q23682	reviewed
RGC	RGC		gcy-28	T01A4.1	Q86GV3	reviewed
RGC	RGC		daf-11	B0240.3	Q8I4N4	reviewed
RGC	RGC		gcy-8	C49H3.1	Q9GYQ4	reviewed
RGC	RGC		gcy-22	T03D8.5	Q9XTY1	reviewed
RGC	RGC		gcy-27	C06A12.4	Q9XU42	reviewed
RGC	RGC		gcy-17	W03F11.2	X5M8U1	reviewed
Atypical	A6		unc-60	C38C3.5	Q07750	reviewed
Atypical	ABC1	ABC1-A	coq-8	C35D10.4	Q18486	reviewed
Atypical	Alpha	eEF2K	efk-1	F42A10.4	O01991	reviewed
Atypical	PDHK		pdhk-2	ZK370.5	Q02332	reviewed
Atypical	PIKK	ATM	atm-1	Y48G1BL.2	Q9N3Q4	reviewed

Atypical	PIKK	ATR	atl-1	T06E4.3	Q22258	reviewed
Atypical	PIKK	FRAP	let-363	B0261.2	Q95Q95	reviewed
Atypical	PIKK	SMG1	smg-1	C48B6.6	O01510	reviewed
Atypical	PIKK	TRRAP	trr-1	C47D12.1	G5EEV2	reviewed
Atypical	RIO	RIO3	riok-3	ZK632.3	P34649	reviewed
Atypical			H03A11.1	H03A11.1	Q9XTW2	reviewed
Atypical	BRD		bet-1	Y119C1B.8	Q95Y80	reviewed
Atypical	RIO	RIO1	riok-1	M01B12.5	O44959	reviewed
Atypical	RIO	RIO2	riok-2	Y105E8B.3	Q95Q34	reviewed
Atypical	TAF1		taf-1	W04A8.7	G5EGM3	reviewed
Atypical	A6		F38E9.5	F38E9.5	Q20173	unreviewed
Atypical	ABC1	ABC1-B	D2023.6	D2023.6	O17735	unreviewed
Atypical	ABC1	ABC1-C	Y32H12A.7	Y32H12A.7	Q9N534	unreviewed
Atypical	BRD		F13C5.2	F13C5.2	O76561	unreviewed
Atypical	BRD		bet-2	F57C7.1	Q20947	unreviewed