

Organism	Gen name	old/alternative name	class	protein accession	length [aa]	MD	
Arabidopsis thaliana (Mouse-ear cress)	Kif1	KATA OR AT4G21270 OR F7J7.210	C-1	Q07970	793	420-780	
	Kif2	KATB OR AT4G27180 OR T24A18.130	C-1	P46864	745	385-732	
	Kif3	KATC OR AT5G54670 OR K5F14.1 OR MRB17.18	C-1	P46875	754	394-741	
	Kif4	KATD	M-2	O81635	987	392-729	
	Kif5		C-4	AA436167.1	1260	886-1217	
	Kif6	AT2G37420	N-2	Q9ZUS4	1022	46-389	
	Kif7	AT2G36200 OR F2H17.19	N-2	P82266	1056	10-367	
	Kif8	AT2G28620	N-2	Q9SIB3	1076	48-400	
	Kif9	AT4G14330	n.c.	O232391	959	46-375	
	Kif10	T19F6.160 OR AT4G24170	N-14	Q9SU42	1263	4-334	
	Kif11	T32N15.10	M-2	O22240	767	288-600	
	Kif12	AT2G47500	M-2	AA042115	983	397-732	
	Kif13	T12M4.14 protein	M-2	O80491	1032	446-754	
	Kif14	TSA14.3 protein	N-17	Q9ZVV2	887	89-417	
	Kif15	AT2G22610	M-2	Q9ZQ52	1068	425-732	
	Kif16	F19H22.50 OR AT4G38950	N-14	Q9SVJ8	834	11-341	
	Kif17	AT4G39050	N-7	Q8RWW4	1055	96-423	
	Kif18	AT2G21300	N-14	Q9S1U7	581	22-369	
	Kif19	AT2G21380	N-7	Q9SJU0	1058	102-429	
	Kif20	F8K7.17 protein	N-7	Q9XIO3	909	73-415	
	Kif21	F28P10.150	n.c.	Q9SV36	1070	121-468	
	Kif22	F14P13.9	M-2	Q9S542	897	336-635	
	Kif23	F14P13.22	N-7	Q9SS30	459	13-337	
	Kif24	F24D7.17	M-2	Q9CAC9	1056	463-792	
	Kif25	ZCF1.25	N-7	Q9S7P3	823	1-333	
	Kif26	T9C5.240	N-8	Q9SC14	913	13-363	
	Kif27	F25P22.28	M-2	Q9C9S6	1050	527-871	
	Kif28	F15H18.10	M-2	Q9LPQ7	1162	619-977	
	Kif29	ANACK1 kinesin-like protein	N-14	Q8S905	974	29-361	
	Kif30	F24M12.190	N-14	Q9SD31	968	15-349	
	Kif31	AT4G05190	C-1	Q9MOX6	777	413-784	
	Kif32	F16L2_60	N-2	Q9LZU5	1058	46-398	
	Kif33	T1E22_130	n.c.	Q9LZ88	664	77-407	
	Kif34	Kinesin heavy chain-like protein	N-1	Q8LE69	469	1-346	
	Kif35	T15B3_190	N-10	Q9LXV6	1229	91-498	
	Kif36	F11C1_80	N-5	Q9SNE3	1075	23-388	
	Kif37	F12B17_180 OR GRMP	N-14	NP_189907	932	26-355	
	Kif38	F22M8.8 protein	n.c.	Q9LX99	1273	140-462	
	Kif39	Phragmoplast-associated kinesin-related protein 1	n.c.	Q9LPC6	885	68-410	
	Kif40	Phragmoplast-associated kinesin-related protein 1	N-10	Q9LDN0	1292	89-434	
	Kif41	Kinesin-like protein	n.c.	Q9FZ06	919	68-420	
	Kif42	T20H2.17 protein	N-6	Q9LNT1	923	74-435	
	Kif43	Similarity to kinesin protein	M-1	Q9LUS1	799	211-537	
	Kif44	Kinesin-related centromere protein-like	N-10	Q9LUT5	2158	166-641	
	Kif45	Kinesin (Centromeric protein)-like protein K13E13.17	N-10	Q9LJ60	2756	191-538	
	Kif46	Similarity to kinesin	N-10	Q9LJY3	1103	102-433	
	Kif47	Similarity to kinesin heavy chain	M-1	Q9LW81	706	167-488	
	Kif48	AT3g23570/MOB19_16 (Phragmoplast-associated kinesin-related protein 1-like protein)	N-10	Q8LW18	1313	94-439	
	Kif49	Kinesin heavy chain-like protein	N-14	Q9FIG8	1087	7-292	
	Kif50	Similarity to kinesin heavy chain	n.c.	Q9FKP4	1264	136-458	
	Kif51	F2516.11 protein	N-8	Q9FZ77	703	149-472	
	Kif52	Kinesin (Centromere protein) like heavy chain-like protein	N-7	Q9LHL9	1033	67-399	
	Kif53	Kinesin-like protein	N-5	Q9FME7	1335	4-368	
	Kif54	Kinesin heavy chain DNA binding protein-like	N-14	Q9FH58	1037	16-350	
	Kif55	Kinesin-like protein	M-2	Q9FHD2	967	426-746	
	Kif56	Kinesin heavy chain-like protein	N-7	Q9FG03	997	64-406	
	Kif57	Kinesin-like protein	N-5	Q8GS71	1035	9-378	
	Kif58	T9N14.6	M-2	Q9C7T0	1195	489-825	
	Kif59		n.c.	NP_187779	665	10-303	
	Kif60		N-17	Q8IWO9	625	77-410	
	Kif61	AT5g27950/F15F15_20	M-2	NP_198107	425	37-371	
	Kif62	probable kinesin heavy chain	N-7	E84600	857	9-326	
Ashbya gossypii (Eremothecium gossypii)	Kin8		N-2	Q8J1G7	845	20-417	
	Kip1		N-2	Q8J1G4	1129	52-425	
	Kip2		N-13	Q8J1G1	685	111-454	
Bombyx mori (Silk moth)	Klp2	Kinesin-like protein KLP2 (Fragment)	N-2	P46874	378	11-362	
Brachydanio rerio (Zebrafish) (Danio rerio)	Kif1B	Kinesin-like protein Kif1b alpha	N-3	Q8JIX1	1161	3-355	
	Kif4A	Similar to kinesin family member 4A (Fragment)	N-5	AAH46903	695	8-346	
	Kif18	Danio rerio, Similar to hypothetical protein DKFZp434G2226, clone MGC:55995	N-8	BC047799	895	7-361	
	Kip2	Slit244019.6.2 (kinesin-like protein 2)	C-1	CA060638	618	271-416	
	Klp5	Mitotic kinesin-like protein 1 KNLSL5 OR ZMKLP1	N-6	Q9PUL5	867	23-444	
Branchiostoma belcheri (Amphioxus)	Kif1	KIF1-like protein (Fragment)	N-3	Q8I6M0	267	1-267	
Caenorhabditis elegans	Klp1	Kinesin-like protein unc-104 or C5E12.2	N-3	P23678	1584	1-355	
	Klp2	OSM-3 protein (corresponding sequence M02B7.3b)	N-4	Q8MPT8	699	2-335	
	Klp3	KLP-3 OR T09A5.2	n.c.	P45962	589	243-673	
	Klp4	KLP-4 protein (corresponding sequence F56E3.3b)	N-3	Q8MQ20	1610	7-389	
	Klp5		N-11	CAD36504	1066	13-311	
	Klp6	Putative kinesin-like protein R144.1 in chromosome III	N-3	Q09997	928	4-366	
	Klp7	KLP-7	M-1	Q8MY85	747	318-659	
	Klp9	M03D4.1 OR ZEN-4	N-6	Q8MQ04	777	25-436	
	Klp10	C33H5.4 OR KLP-10	N-10	I18413	690	2-335	
	Klp11	F20C5.2b protein	N-4	Q8MQ68	1130	11-337	
	Klp12	T01G1.1 protein	N-5	O17887	1609	7-654	
	Klp13	F22F4.3 protein	N-3	Q17545	595	5-246	
	Klp14	F23B12.8 protein (BIMC kinesin BMK-1) (Kinesin like protein KLP-14)	N-2	Q9XTM0	958	11-353	
	Klp15	Kinesin like protein-15	n.c.	Q9NLA1	587	246-574	
	Klp16	KLP-16 OR C41G7.2	n.c.	Q93366	587	246-574	
	Klp17	Kinesin like protein	n.c.	Q9NLS1	605	277-600	
	Klp18	Hypothetical 105.8 kDa protein C06G3.2	N-10	Q17753	932	2-338	
	Klp19	Y43F4B.6 protein	N-5	O45935	1083	4-336	
	Klp20	Hypothetical protein Y50D7A.6	N-4	Q965T6	646	4-339	
	Khc	UNC-116 OR R05D3.7	N-1	P34540	815	9-337	
	Candida albicans (Yeast)	Kar3		C-1	Q8J0M3	687	345-687
		Kip2	CA38F10.07	N-13	O94053	665	74-411
	Chlamydomonas reinhardtii	FLA10	Kinesin-like protein FLA10 (KHP1 protein)	N-4	P46869	798	8-361
Klp1		Kinesin-like protein KLP1	N-12	P46870	776	3-343	

Cricetulus griseus (Chinese hamster)	Kif1	CHO1 antigen	N-6	Q60442	953	23-444	
	Kif2	CHO2 antigen	C-1	Q60443	622	288-620	
	Kif2C	Mitotic centromere-associated kinesin (MCAK) (Kinesin-like protein 6)	M-1	P70096	718	250-588	
Cyanophora paradoxa	Kif1	Motor protein (Fragment)	n.c.	Q9FQL8	158	1-158	
Cylindrotheca fusiformis (Marine diatom)	Sk1	Diatom spindle kinesin 1	M-1	Q39493	624	93-419	
Daucus carota (Carrot)	Krp120B	KRP120-2	N-2	Q94G20	1045	50-402	
Dictyostelium discoideum	Kif1	Kinesin Unc104/KIF1a homolog	N-3	Q9NGQ2	2205	2-363	
	Kif2	Dd kinesin-related protein K2	C-1	Q9BPU3	792	435-789	
	Kif3	Kinesin-related protein K4	N-1	Q8I825	1193	1-337	
	Kif4		N-7	BAC56912	1922	20-351	
	Kif5		N-1			4-338	
	Kif6		M-1	Q94499	1030	451-783	
	Kif7		N-1		1254	26-356	
	Kif8		N-5	Q94500	1873	11-421	
	Kif9		n.c.	BAC56911	1222	349-727	
	Kif10		N-8		1238	14-382	
	Kif11		N-7		685	2-413	
	Kif12		N-6		1499	124-578	
	Kif13	N-2		1265	21-356		
Drosophila melanogaster (Fruit fly)	Unc104	Kinesin superfamily member DUnc104 OR CG8566	N-3	Q9NBL1	1671	1-360	
	Khc		N-1	P17210	975	51-334	
	Kin73	KHC-73 OR CG8183	N-3	Q01349	1921	3-360	
	Kif3C	KIF3C OR CG17459 OR CG17461	N-4	Q9V4A1	579	2-352	
	Kif19A	KIF19A OR CG9913	N-8	Q9VFN0	728	33-357	
	Klp3A	KLP3A OR BC0NALD21815 OR EG-BACR25B3.9 OR CG8590	N-5	Q9XZ29	1212	6-343	
	Klp10A	KLP10A OR CG1453	N-1	Q96020	805	276-418	
	Klp31E	KLP31E OR CG5300	N-5	Q9VKW4	1048	11-371	
	Klp38B	NEB OR KLP38B OR CG10718	N-3	I16866	1121	118-526	
	Klp54D	KLP54D OR CG15844	N-9	Q9V842	844	166-524	
	Klp9C	KLP59C OR CG3219	M-1	Q9W1U4	626	185-529	
	Klp61F	Bipolar kinesin KRP-130 (Kinesin-like protein Klp61F) KLP61F OR KLP2 OR CG9191	N-2	P46863	1066	17-364	
	Klp64D	KLP64D OR CG10642	N-4	Q9VRK9	677	18-360	
	Klp67A	KLP67A OR CG10923	N-6	Q9VSW5	814	6-354	
	Klp68D	KLP68D OR KLP5 OR CG7293	N-4	P46867	784	17-352	
	Klp98A	KLP98A OR CG5658	N-3	Q8S2H6	1299	1-372	
	CANA	CANA OR CG4831	N-7	Q9NCF9	1931	6-318	
	CMET	Kinesin-like kinetochore motor protein CENP-meta CMET OR CG6392	N-7	Q9NCG0	2244	6-329	
	COS	COS OR CG1708	n.c.	Q9V4K0	1201	2-399	
	NCD	NCD OR CA(ND) OR CG7831	C-1	P20480	700	346-678	
	NOD	NOD OR NODA OR CG1763	n.c.	P18105	666	6-328	
	PAV	PAV OR CG1258	N-6	Q8SXT9	887	34-460	
	SUB	SUB OR CG12298	n.c.	Q9V877	628	85-487	
	CG12192	CG12192 protein	M-1	Q9W1U1	729	231-873	
	Emmericella nidulans (Aspergillus nidulans)	KinA	Kinesin (KINA protein)	N-1	Q9HES9	927	9-342
		BimC	Kinesin-like protein BIMC	N-2	P17120	1184	79-424
		KlpA	Kinesin-like protein KLP A	C-1	P28739	770	419-764
	Encephalitozoon cuniculi	Kif1	ECU05_0060	N-5	Q8SS10	818	5-307
		Kif2	ECU08_0890	N-10	Q8SRB7	420	2-306
		Kif3	Hypothetical protein ECU10_0320	C-1	Q8SLH1	495	166-488
		Kif4	ECU10_1000	n.c.	Q8S355	474	22-318
		Kif5	ECU11_0470	M-1	Q8SQY6	581	172-489
Kif6		ECU11_2020	N-16	Q8SQQ9	548	3-299	
Ephydatia fluviatilis	Kif1	KIF1-like protein (Fragment)	N-3	Q8I6M4	257	1-257	
	Kif2		N-3	Q8I6M3	255	1-247	
Eptatretus burgeri (Inshore hagfish)	Kif1A	KIF1-like protein A (Fragment)	N-3	Q8I6M2	258	1-258	
	Kif1B		N-3	Q8I6M1	256	1-256	
Gallus gallus (Chicken)	Kif4A	Chromosome-associated kinesin KIF4A (Chromokinesin)	N-5	Q90640	1225	8-346	
Giardia lamblia (Giardia intestinalis)	Klp1	Kinesin-like protein 1 (Fragment)	n.c.	Q96900	662	1-263	
	Klp2	Kinesin-like protein 2 (Fragment)	N-4	Q969C9	619	1-244	
	Klp3	Kinesin-like protein 3 (Fragment)	N-4	Q969C7	529	1-239	
	Klp4	Kinesin-like protein 4 (Fragment)	N-5	Q969C6	970	1-280	
	Klp5	Kinesin-like protein 5 (Fragment)	n.c.	Q969C4	679	1-250	
	Klp6	Kinesin-like protein 6 (Fragment)	N-3	Q969C2	976	1-269	
	Klp7	Kinesin-like protein 7 (Fragment)	N-1	Q969C1	870	1-280	
	Klp8	Kinesin-like protein 8 (Fragment)	n.c.	Q969C0	264	1-264	
	Klp9	Kinesin-like protein 9 (Fragment)	N-12	Q969B8	655	1-255	
	Klp10	Kinesin-like protein 10 (Fragment)	n.c.	Q969B6	739	1-289	
	Klp11	Kinesin-like protein 11 (Fragment)	N-2	Q969B4	958	1-301	
	Klp12	Kinesin-like protein 12 (Fragment)	n.c.	Q969B2	824	21-311	
	Klp13	Kinesin-like protein 13 (Fragment)	M-1	Q969B0	439	1-248	
Homo sapiens (Human)	Kif1A	KIAA1448	N-3	NP_004312	1690	3-362	
	Kif1B		N-3	Q9P280	1179	3-362	
	Kif1C	Kinesin-like protein KIF1C	N-3	Q43896	1103	3-356	
	Kif2A	Kinesin-like protein KIF2 (Kinesin-2) (HK2)	M-1	Q00139	679	194-534	
	Kif2B	Kinesin	M-1	Q9BX66	673	211-549	
	Kif2C	Mitotic centromere-associated kinesin (MCAK) (Kinesin-like protein 6)	M-1	Q99661	725	256-594	
	Kif3A	Kinesin-like protein KIF3A (Microtubule plus end-directed kinesin motor 3A)	N-4	Q9Y496	702	12-353	
	Kif3B	Kinesin-like protein KIF3B (Microtubule plus end-directed kinesin motor 3B) (HH0048)	N-4	O15066	747	7-348	
	Kif3C		N-4	NP_0022245	793	8-373	
	Kif4A	Chromosome-associated kinesin KIF4A (Chromokinesin)	N-5	O95239	1232	7-344	
	Kif5A	Neuronal kinesin heavy chain (NKHC) (Kinesin heavy chain isoform 5A)	N-1	Q12840	1032	7-335	
	Kif5B	Kinesin heavy chain (Ubiquitous kinesin heavy chain) (LKHC)	N-1	P33176	963	6-333	
	Kif5C	Kinesin family member 5C, Kinesin, heavy chain, neuron-specific	N-1	NP_004513	957	6-335	
	Kif6	Homo sapiens kinesin protein 9 gene, complete cds	N-12	AF311212_1	725	4-348	
	Kif10	Centromeric protein E (CENP-E protein)	N-7	Q02224	2663	4-337	
	Kif11	Kinesin-related motor protein Eg5 (Kinesin-like spindle protein HKSP) (TRIP5) (Kinesin-like protein1)	N-2	P52732	1057	16-367	
	Kif12	Hypothetical protein	N-9	Q96FN5	513	3-235	
	Kif13A		N-3	Q9H1H9	1805	3-360	
	Kif13B	Kinesin-like protein KIF13B (Kinesin-like protein GAKIN) KIF13B OR GAKIN OR KIAA0639	N-3	Q9NQT8	1826	3-361	
	Kif14	Kinesin-like protein KIF14 OR KIAA0042	N-3	Q15058	1648	356-709	
	Kif15	Kinesin-like protein 2	N-10	Q9NS87	1388	24-371	
	Kif16A		N-3	AA017292	1317	1-366	
	Kif17	KIAA1405 protein (Fragment)	N-4	BAA92643	993	6-307	
	Kif18A	OK/SW-CL108	N-8	Q8NI77	898	9-363	

	KIF19A	Hypothetical protein FLJ37300	N-8	Q8N1X8	548	9-354
	KIF20A	Rabkinesin-6 (RAB6-interacting kinesin-like protein) (GG10_2)	N-6	Q95235	890	62-515
	KIF20B	DKFZP434B0435	N-6	Q9URF5	1730	56-486
	KIF21A	NY-REN-62 antigen (Fragment)	N-4	Q9Y590	680	55-428
	KIF22	Kinesin-like DNA-binding protein (Kinesin-like protein 4)	N-16	Q14807	665	41-376
	KIF23	Kinesin-like 5 (Mitotic kinesin-like protein 1)	N-6	Q8WVPO	960	23-454
	KIF25	Kinesin-like protein 3	n.c.	Q9ULI4	384	4-371
	KIF26A	KIAA1236 protein (Fragment)	N-11	Q9ULI4	1840	327-691
	KIF26B	Similar to kinesin-like protein at 64D (Fragment)	N-11	Q8LUN3	820	66-426
	KIFC1	Kinesin-like protein 2 (Kinesin-related protein HSET)	C-1	Q9BW19	673	308-671
	KIFC2	Similar to kinesin family member C2	C-2	Q95AC6	838	470-725
	KIFC3	Kinesin family member C3	C-3	Q9BVG8	694	304-637
Leishmania chagasi	K39	Kinesin-like protein K39 (Fragment)	N-3	P46865	955	10-400
Leishmania major	KIF1	L374.01	N-3	Q9U179	1128	80-559
	KIF2	L2230.03	n.c.	Q9BLV2	1315	59-592
	KIF3	L2802.10	M-1	Q9N9P0	729	32-361
	KIF4	L3537.05	M-1	Q9GYC7	728	195-625
	KIF5	L3747.08	N-12	Q95ZA4	1227	7-459
	KIF6	L3856.08	n.c.	Q9GYC1	2121	13-476
	KIF7	L4520.01	N-3	Q9U142	1099	79-567
	KIF8	L4520.02	N-3	Q9U141	2273	29-551
	KIF9	L6066.08	C-3	Q9NEA9	829	499-829
	KIF10	L6586.07	n.c.	Q9NF78	656	1-388
	KIF11	L8325.12	N-10	Q9NEB6	1254	99-811
	KIF12	L8530.03	n.c.	Q9GNR3	956	2-310
	KIF13	MCAK	M-1	Q60964	668	132-461
Lethenteron reissneri	KIF1A	KIF1-like protein A (Fragment)	N-3	Q8AV75	258	1-250
	KIF1B	KIF1-like protein B (Fragment)	N-3	Q8AV74	264	1-256
Loligo pealeii (Longfin squid)	Kif1	Kinesin heavy chain	N-1	P21613	967	6-334
Lycopersicon esculentum (Tomato)	Kif1	Kinesin related protein	N-10	Q8GZU1	1191	94-440
	Kif2	TH65-like protein (Fragment)	n.c.	Q949J3	604	225-487
Lymantria dispar (Gypsy moth)	Klp1	Kinesin-like protein Ldklp1 (Fragment)	C-1	Q9BMB7	143	1-143
	Klp2	Kinesin-like protein Ldklp1 (Fragment)	n.c.	Q9BMB8	354	103-354
Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey)	Kif1	Hypothetical 98.5 kDa protein (Fragment)	N-15	Q95LL1	865	3-349
	Kif2	Hypothetical 35.5 kDa protein	N-1	Q9GMV1	317	1-230
	Kif3	Hypothetical 75.6 kDa protein (Kinensin)	M-1	Q95LT1	670	208-646
Monodelphis domestica (Short-tailed grey opossum)	Kif1	Kinesin homolog (Fragment)	N-14	O19017	133	
Morone saxatilis (Striped bass)	KF1		N-1	AAA85772	145	
	KF2	Microtubule-based motor protein	C-3	P79805	773	369-704
	KF3	KIF3 (Fragment)	N-3	Q91112	151	
	KF4	KIF4 (Fragment)	M-1	Q91113	146	
	KF5	KIF5 (Fragment)	N-1	Q91114	145	
	KF6	KIF6 (Fragment)	N-16	Q91115	145	
	KF8	KIF8 (Fragment)	N-3	Q91116	151	
	KF9	KIF9 (Fragment)	N-1	Q91117	145	
Mus musculus (Mouse)	KIF1A	Kinesin-like protein KIF1A (Axonal transporter of synaptic vesicles)	N-3	P33173	1695	3-362
	KIF1B	AX641842_1	N-3	AX641842_1	1770	3-356
	KIF1C	Kinesin superfamily protein 1C	N-3	Q8V189	1100	3-356
	KIF2A	Kinesin-like protein KIF2	M-1	P28740	716	193-533
	KIF2B	Kinesin superfamily protein 2B	M-1	Q8CON1	668	211-649
	KIF2C	Kinesin-like protein KIF2C (Mitotic centromere-associated kinesin)	M-1	Q92258	721	252-680
	KIF3A	kinesin family member 3A; kinesin-II subunit; N-4 kinesin	N-4	NP_032469	701	12-363
	KIF3B	kinesin family member 3B; expressed sequence A1854312	N-4	NP_032470	747	7-348
	KIF3C	kinesin family member 3C; N-4 kinesin	N-4	NP_032471	796	8-375
	KIF4A	Chromosome-associated kinesin KIF4A (Chromokinesin)	N-5	P33174	1231	7-345
	KIF5A	kinesin family member 5A	N-1	NP_032473	1027	7-335
	KIF5B	kinesin family member 5B;	N-1	NP_032474	963	6-333
	KIF5C	kinesin family member 5C	N-1	NP_032475	956	6-335
	KIF6	Motor domain of KIF6 (Fragment)	N-12	Q35067	165	
	KIF7	Motor domain of KIF7 (Fragment)	N-15	Q35068	168	
	KIF8	motor domain of KIF8	N-2	BAA22396	185	
	KIF9	Kinesin superfamily protein 9	N-12	Q8BU81	711	4-348
	KIF10	Motor domain of KIF10 (Fragment)	N-7	Q35059	160	
	KIF11	KNSL1 OR KIFL1 OR EGS	N-2	Q91130	1014	7-328
	KIF12	Kinesin 12	N-9	Q9D228	642	23-368
	KIF13A	Kinesin-like protein KIF13A	N-3	Q9EQW7	1749	3-360
	KIF13B	motor domain of KIF13B	N-3	BAA22390	160	
	KIF14	Motor domain of KIF14 (Fragment)	N-3	Q35064	166	
	KIF15	Motor domain of KIF15 (Fragment)	N-10	Q35065	166	
	KIF16A	Kinesin superfamily protein 16A (Fragment)	N-3	Q8BZ29	788	1-172
	KIF16B	Motor domain of KIF16A (Fragment)	N-3	Q35058	160	
	KIF17	Kinesin-like protein KIF17 (Mmkf17)	N-4	Q99PW8	1038	3-343
	KIF18A	Similar to hypothetical protein DKFZp434G2226	N-8	Q91W07	885	9-363
	KIF18B	Kinesin superfamily protein 18B (Fragment)	N-8	Q99PU0	149	1-149
	KIF19A	kinesin superfamily protein 19A	N-8	BAB32490	148	1-148
	KIF20A	Rabkinesin-6 (RAB6-interacting kinesin-like protein) (Kinesin-like protein 174)	N-6	P97329	887	61-514
	KIF20B	Kinesin superfamily protein 20B (Fragment)	N-6	Q8BLI2	692	56-463
	KIF21A	Kif21a	N-5	Q9QXL2	1573	7-379
	KIF21B	Kif21b	N-5	Q9QXL1	1668	6-379
	KIF22	KIF22B OR AL033313	N-16	Q99LC7	660	36-371
	KIF23	clone:3110001.D19 product:kinesin-like 5	N-6	Q9CXV7	495	61-470
	KIF24	Kinesin superfamily protein KIF24	M-1	Q8BU82	862	216-413
	KIF26A	kinesin superfamily protein 26A	N-11	BAB32495	147	
	KIF26B	kinesin superfamily protein 26B	N-11	BAB32487	130	
	KIFC1	Similar to kinesin family member C1	C-1	Q99LS4	674	399-672
	KIFC2	KIFC2	C-2	Q98672	792	407-740
	KIFC3	Kinesin motor protein KIFC3	C-3	Q35231	709	326-659
Nectria haematococca	Kin1		N-1	P78718	929	4-337
	Krp1	Kinesin related protein 1	C-1	Q93928	902	463-902
	Krp2	Kinesin related protein 2	N-2	Q93929	1024	1-279
Neurospora crassa	Kin	Kinesin heavy chain	N-1	P48467	928	5-338
	KIF1C	Related to kinesin-like protein KIF1C 17E5.250	N-3	Q9C2M3	676	66-450
	Kif4	B14D6.010	n.c.	Q8XOC5	1968	52-451
		kinesin-like protein Kif21a related protein	N-1	T49451	1742	

Nicotiana tabacum (Common tobacco)	Krp125	125 kDa kinesin-related protein	N-2	Q23826	1006	7-363				
	Tck1	Kinesin-like protein	C-4	Q24147	1265	887-1218				
	Nack1	Kinesin-like protein NACK1	N-14	Q85950	959	28-361				
	Nack2	Kinesin-like protein NACK2	N-14	Q85949	955	34-369				
	Tks5	BY-2 kinesin-like protein 5	N-17	Q9AVD5	633	95-425				
	Klp1	Kinesin-like polypeptides 1 (Fragment)	M-2	Q9AVD9	157					
	Klp2	Kinesin-like polypeptides 2 (Fragment)	M-2	Q9AVD8	158					
	Klp3	Kinesin-like polypeptides 3 (Fragment)	C-1	Q9AVD7	170					
	Klp4	Kinesin-like polypeptides 4 (Fragment)	N-14	Q9AVD6	150					
	Klp6	Kinesin-like polypeptides 6 (Fragment)	N-2	Q9AVD5	172					
	Klp7	Kinesin-like polypeptides 7 (Fragment)	N-10	Q9AVD4	167					
Oikopleura dioica	Klp8	Kinesin-like polypeptides 8 (Fragment)	N-10	Q9AVD3	167					
	Klp9	Kinesin-like polypeptides 9 (Fragment)	N-2	Q9AVD2	157					
	Klp10	BY-2 kinesin-like protein 10	M-1	Q9AVP4	703	185-516				
	Klp11	Kinesin-like polypeptides 11 (Fragment)	M-2	Q9AVD1	157					
	KR1	Similar to M-phase phosphoprotein BAC001.20	n.c.	Q8WPL4	1203	19-462				
	Oryza sativa (japonica cultivar-group)	Kif1	P0617C02.15 OR P0446F04.41	C-1	Q8L491	733	383-724			
		Kif2	QJ1340_COB.3	N-10	Q8GVH3	1967	137-484			
		Kif3	Similar to Arabidopsis thaliana chromosome 1 BAC clone T5A14	N-17	Q9L654	801	101-433			
		Kif4	OSJNBA0033P04.11	C-1	Q85606	642	294-633			
		Kif5	P0504D03.21	N-14	Q9AWM8	954	32-362			
		Kif6	Phragmoplast-associated kinesin-related protein 1 (Fragment)	N-10	Q9LLF1	817	1-152			
Kif7		OSJNBA0090010.9	M-2	Q8GZK4	1045	405-721				
Kif8		Putative kinesin-related protein KLP4	M-2	Q8SP21	866	539-840				
Kif9		P0439E07.25 OR OSJNBA0014K08.4	M-2	Q8L4J3	810	377-653				
Kif10		P0681B11.29 protein	N-8	Q8WOK4	773	203-537				
Kif11		P0006C01.8	M-1	Q9FPA5	707	150-483				
Oryzias latipes (Medaka fish) (Japanese ricefish)	Kif12	OSJNBA0026L1.2.18	N-7	Q9FW70	859	1-236				
	Kif13	Kinesin-like protein	M-1	Q94GW1	800	197-522				
	Klp2	KNSL2 protein	C-1	Q8UUL1	678	333-676				
	Paracentrotus lividus (Common sea urchin)	Boursin	Kinesin-like boursin	N-2	Q9GNU2	1081	10-359			
		Plasmodium falciparum	Kif1	PFA0535C	N-8	Q8I235	1669	924-1273		
			Kif2	PFC0770C_MAL3P6.13	N-2	Q77382	1619	16-490		
			Kif3	PFC0806W_MAL3P7.1	N-8	Q92777	1200	255-98		
			Kif4	PFL0545W	n.c.	Q8ISU0	1844	25-441		
			Kif5	PFL2165W	M-1	Q8I4Y0	1351	65-405		
			Kif6	PFL2190C	M-1	Q8I4X5	1605	76-642		
			Kif7	PFD7_0104	n.c.	Q8BK2	1897	255-789		
Kif8			MAL8P1.132	N-6	Q8IAQ6	929	25-362			
Rattus norvegicus (Rat)			Kif1B	Kinesin-like protein KIF1B (Fragment)	N-3	Q88658	689	3-357		
			Kif1C		N-3	Q35787	1097	3-355		
	Kif2A		kinesin-like protein KIF2 [Rattus norvegicus]	M-1	AA039241	247				
	Kif2C	Kinesin-like protein KIF2C (Mitotic centromere-associated kinesin)	M-1	Q62909	671	202-540				
	Kif3C	Rattus norvegicus kinesin-like protein KIF3C (KIF3C) mRNA, complete cds	N-4	AF083330_1	797	8-376				
	Kif5C	Kinesin heavy chain isoform 5C (Kinesin heavy chain neuron-specific 2) (Fragment)	N-1	P56536	238	5-238				
	Kif6	Kinesin-related protein 3A (Fragment)	N-12	Q54720	486	3-353				
	Kif7	Kinesin-related protein KRP5 (Fragment)	N-15	Q54722	168	1-168				
	Kif11	kinesin-related protein KRP6 [Rattus norvegicus]	N-2	AAB88703	176	1-176				
	Kif23		N-6	XP_236813	579					
	KifC1	kinesin-related protein KRP1 [Rattus norvegicus]	C-1	AAB88699	163	1-163				
KifC3	kinesin-related protein KRP4 [Rattus norvegicus]	C-3	AAB88701	154	1-154					
Saccharomyces cerevisiae (Baker's yeast)	Kip1	KIP1 OR CIN9 OR YBL063W OR YBL0504 OR YBL0521	N-2	P28742	1111	50-418				
	Kip2	KIP2 OR YPL155C OR P2581	N-13	P27243	706	100-501				
	Kip3	Kinesin-like protein KIP3 OR YGL216W	N-9	P53086	805	8-446				
	Cin8	CIN8 OR KSL2 OR YEL061C	N-2	P27895	1038	72-523				
	Kar3	KAR3 OR YPR141C OR P9659.16	C-1	P17119	729	384-729				
	Smy1	SMY1 OR YKL079W OR YKL409	n.c.	P32364	656	25-372				
	Schizosaccharomyces pombe (Fission yeast)	Klp1	PKL1 OR SPAC3A11.14C	C-1	Q92376	832	477-830			
		Klp2	SPAC144.14	n.c.	Q9UTL2	511	3-364			
		Klp3	KLP3 OR KRP1 OR SPAC1834.07	N-1	Q9US60	554	1-333			
		Klp4	Hypothetical 70.1 kDa kinesin-like protein C1604.20C	N-13	Q94732	628	130-468			
		Klp5	KLP5 OR SPBC2F12.13	N-8	O14343	883	4-398			
Klp6		KLP6 OR SPBC1685.15C OR SPBC649.01C	N-8	O59751	784	4-307				
Klp7		CUT7 OR SPAC25G10.07C	N-2	P24339	1085	70-429				
Klp8		SPAC64.10	C-1	Q9US03	817	471-815				
Klp9		SPBC15D4.01C OR SPBC2D10.21C	N-6	Q74307	633	2-399				
Solanum tuberosum (Potato)		Khc	Kinesin heavy chain-like protein	C-1	Q41460	1265	887-1218			
		Strongylocentrotus purpuratus (Purple sea urchin)	Krp85	Kinesin-II 85 kDa subunit (KRP-85/95 85 kDa subunit)	N-4	P46872	699	8-350		
	Krp95		Kinesin-II 95 kDa subunit (KRP-85/95 95 kDa subunit)	N-4	P46871	742	6-347			
	Krp110		KRP110	N-6	Q9GQ59	870	21-466			
	Krp170		KRP170	N-2	Q9GQ58	1081	11-360			
	Krp180		Kinesin-like protein KRP180	N-10	Q9GQ70	1463	16-362			
	Khc		Kinesin heavy chain	N-1	P35978	1031	6-333			
	KinC		Kinesin-C	n.c.	Q9U679	1624	1265-1597			
	Syncephalastrum racemosum		Synkin		N-1	CAA12647	935	3-337		
			Tetrahymena thermophila	Kin1	Kinesin-II homologue	N-4	Q9U0D5	735	11-349	
				Kin2	Kinesin-II homologue	N-4	Q9U921	697	8-346	
Trypanosoma brucei				KifC1	C-terminal kinesin KIFC1	C-3	Q9GSA9	820	487-819	
		Khc		Possible KIAA0531 protein	N-1	Q9N8W9	886	8-403		
		Ustilago maydis (Smut fungus)		Kin1	Kinesin motor protein	N-7	P87198	1459	234-634	
				Kin2	Kinesin motor protein	N-1	P87199	968	2-341	
				Kin3		N-3	Q8TG36	1676	4-369	
				Xenopus laevis (African clawed frog)	Klp1	Chromosome-associated kinesin KLP1 (Chromokinesin)	N-5	Q91784	1226	6-345
					Klp2	KLP2 protein	N-10	Q91785	1388	24-372
					Klp3	Kinesin like protein 3	N-4	Q93478	744	7-348
	Klp4				Kinesin-like protein (Fragment)	N-3	Q9DDA6	1499	1-386	
	Klp22		Similar to kinesin family member 22 (Fragment)		N-16	AAH43733	963	42-380		
	Kif2		product: "kinesin-related protein Xif2"		Kif2	U30486	706	220-558		
Kif19A	Similar to hypothetical protein FLJ37300		N-8		AAH44083	997	9-354			
CENP-E	XENP-E		N-7		Q42263	2954	4-338			

	Kid	Chromokinesin Xkid	N-18	Q9I8K0	651	29-367
	Kcm1	Kinesin central motor 1 (XKCM1)	M-1	Q91636	730	280-698
	Clk2	Carboxy-terminal kinesin 2 (XCTK2)	C-1	P79955	643	292-641
	Eg5A	Kinesin-related motor protein Eg5 1	N-2	P28025	1060	9-360
	Eg5B	Kinesin-related motor protein Eg5 2	N-2	Q91783	1067	16-367
Zea mays (Maize)	Kin1	Kinesin heavy chain (Fragment)	N-14	Q93XG3	766	1-249
	Kin2	Kinesin heavy chain (Fragment)	N-14	Q93XG2	765	1-222
	Kin3	Kinesin heavy chain (Fragment)	M-2	Q93XG1	328	1-212
	Kin4	Kinesin heavy chain (Fragment)	N-2	Q93XG0	992	50-409
	Kin5	Kinesin heavy chain (Fragment)	M-2	Q93XF9	407	1-308
	Kin6	Kinesin heavy chain (Fragment)	C-1	Q93XF8	347	3-346
	Kin8	Kinesin heavy chain (Fragment)	N-2	Q93XF7	1079	53-437
	Kin9	Kinesin heavy chain (Fragment)	M-1	Q93XF6	430	1-155
	Kin11	Kinesin heavy chain (Fragment)	C-1	Q93XF5	354	1-273
	Kin13	Kinesin heavy chain (Fragment)	N-10	Q93XF4	857	1-209
	Kin15	Kinesin heavy chain (Fragment)	N-14	Q93XF3	897	1-323
	Kin16	Kinesin heavy chain (Fragment)	M-2	Q93XF2	405	1-246
	KCBP	Kinesin-like calmodulin binding protein	C-4	Q9FQL7	1200	822-1153