



Supplementary Figure 1 The experimental methods of mice.

Supplementary Table 1

KIF family expression						
Gene_id	Basemean	Log2foldchange	Lfcse	Stat	Pval	Padj
KIF11	2947.543264	1.537847205	0.150428206	10.223131	1.56213E-24	1.07147E-22
KIF20B	2084.557298	1.32159632	0.128466323	10.287492	8.02388E-25	5.79303E-23
KIF2C	1922.567186	1.776660957	0.163397812	10.873224	1.54639E-27	1.65064E-25
KIF23	1833.399898	2.117763562	0.165308932	12.810945	1.42391E-37	6.6901E-35
KIFC1	1815.815968	1.420635545	0.173421586	8.1918035	2.57341E-16	5.24773E-15
KIF10	1796.876777	1.961188939	0.175438244	11.178799	5.17858E-29	6.63959E-27
KIF26B	2057.724748	2.636615449	0.218209989	12.082927	1.30007E-33	3.29583E-31
KIF20A	1709.180935	1.748774489	0.175389839	9.9707857	2.04604E-23	1.20119E-21
KIF18B	1672.385961	2.243776901	0.181475676	12.364064	4.08946E-35	1.3222E-32
KIF4A	1524.793196	1.934464816	0.173110579	11.174735	5.42121E-29	6.91095E-27
KIF12	1348.747237	1.023267792	0.256302133	3.9924279	6.54002E-05	0.000193812
KIF15	905.2380018	1.834259575	0.166060589	11.045725	2.29905E-28	2.72816E-26
KIF14	940.1582375	2.543700827	0.175280042	14.51221	1.014E-47	1.50809E-44
KIF26A	1294.563108	1.039945348	0.295934555	3.5141058	0.000441237	0.001104981
KIF18A	779.7489312	2.072946347	0.172510361	12.016359	2.91539E-33	6.99348E-31

KIF24	722.9316925	1.388456571	0.155538892	8.9267485	4.38713E-19	1.38434E-17	
KIF5A	139.7575324	-1.421479675	0.318259866	-4.466412	7.95424E-06	2.81445E-05	
KIF4B	8.64874791	2.031866863	0.28751813	7.0669174	1.58413E-12	1.73492E-11	
gene_id	baseMean	log2FoldChange	lfcSE	stat	pval	padj	up_down
KIF26A	1294.5631	1.0399453	0.2959346	3.5141058	0.0004412	0.001105	up
KIF26B	2057.7247	2.6366154	0.21821	12.082927	1.3E-33	3.296E-31	up
KIF12	1348.7472	1.0232678	0.2563021	3.9924279	6.54E-05	0.0001938	up
KIF20A	1709.1809	1.7487745	0.1753898	9.9707857	2.046E-23	1.201E-21	up
KIF4A	1524.7932	1.9344648	0.1731106	11.174735	5.421E-29	6.911E-27	up
KIF2C	1922.5672	1.776661	0.1633978	10.873224	1.546E-27	1.651E-25	up
KIFC1	1815.816	1.4206355	0.1734216	8.1918035	2.573E-16	5.248E-15	up
KIF18B	1672.386	2.2437769	0.1814757	12.364064	4.089E-35	1.322E-32	up
KIF23	1833.3999	2.1177636	0.1653089	12.810945	1.424E-37	6.69E-35	up
KIF11	2947.5433	1.5378472	0.1504282	10.223131	1.562E-24	1.071E-22	up
KIF14	940.15824	2.5437008	0.17528	14.51221	1.014E-47	1.508E-44	up
KIF15	905.238	1.8342596	0.1660606	11.045725	2.299E-28	2.728E-26	up
CENPE	1796.8768	1.9611889	0.1754382	11.178799	5.179E-29	6.64E-27	up
KIF18A	779.74893	2.0729463	0.1725104	12.016359	2.915E-33	6.993E-31	up

KIF20B	2084.5573	1.3215963	0.1284663	10.287492	8.024E-25	5.793E-23	up
KIF24	722.93169	1.3884566	0.1555389	8.9267485	4.387E-19	1.384E-17	up
KIF4B	8.6487479	2.0318669	0.2875181	7.0669174	1.584E-12	1.735E-11	up
KIF5A	139.75753	-1.42148	0.3182599	-4.466412	7.954E-06	2.814E-05	down