

Table SI. Primer sequences used for reverse transcription-quantitative PCR.

Gene name	Primer sequence (5'→3')
KIF11	F: TCCCTTGGCTGGTATAATTCCA
	R: GTTACGGGGATCATCAAACATCT
GAPDH	F: CAGGAGGCATTGCTGATGAT
	R: GAAGGCTGGGGCTCATT

F, forward; R, reverse.

Table SII. The sequences of si-KIF11 and si-CyclinB1 used for transient transfections of non-small cell lung cancer cells.

Primer name	Primer sequence (5'→3')
si-KIF11-1	GAACTTGAAACCACTCAA
si-KIF11-2	AAAGCTAGCGCCCATTCAA
si-KIF11-3	CCAAACTGGATCGTAAGAA
si-CyclinB1-1	GTGTCAGGCTTTCTCTGAT
si- CyclinB1-2	GGTGCACTTTCCTCCTTCT
si- CyclinB1-3	CACCAACTCTACAACATTA

si, small interfering; KIF11, kinesin family member 11.

Table SIII. The correlations among KIF11, CDK1 and CyclinB1 genes in 15 nearest neighbors based on tissue RNA-seq expression.

Selected genes	Neighboring genes	Correlation	Cluster
KIF11	CyclinB1	0.9789	53
CDK1	KIF11	0.9737	53
CyclinB1	CDK1	0.9614	53

Correlation between the selected gene and neighboring gene. Correlation is calculated as Spearman correlation in PCA space based on the RNA-seq expression data. KIF11, kinesin family member 11.