

STIL Residue	STIL Motif	Match PLK4 Consensus Motif?	Conserved?	STIL Residue	STIL Motif	Match PLK4 Consensus Motif?	Conserved?
T85	SLTAD			S856	EESNI		
T113	EITPT			S873	SNSSL		
S117	TASLP			S874	NSSLV		
S135	LCSRE			S889	FPSGQ		
S142	VHSVD			S895	AESVS		
S219	NLSSN			S897	SVSMC		
S220	LSSNL			T902	LQTGP		
S225	NISQV			T905	GPTGG		
T332	LLTSK			S912	NNSET		
S356	ELSAE			T914	SETSE		
S359	AESQN			S915	ETSEE		
S395	HDSGV			S932	QPSDN		
S403	DFSPR			S952	NSSSK		
S409	IPSPH			S953	SSSKE		
S428	ELSLV			T998	NATLK		
S475	KHSPE			S1011	IDSPT		
S484	EPSLR			S1032	CISPE		
S521	RNSIK			S1078	QLSQL		
S526	PSSHN			S1081	QLSVT		
S542	TVSAG			T1083	SVTRS		
S560	LNSRQ			S1094	PFSLL		
S564	QSSLA			T1104	RSTVG		
S569	PQSQP			S1108	GLSLI		
S577	VFSPP			S1111	LISPN		
S581	HNSGR			S1116	NMSFA		
T591	IPTPP			S1131	LQSSD		
S610	HHSIH			S1132	QSSDN		
S615	QYSPL			S1135	DNSED		
S619	LNSWQ			S1149	SKSEY		
T625	ANTVG			S1159	LRSIP		
S628	VGSIQ			S1171	EPSKN		
S711	TESDN			S1181	NCSNC		
S719	GLSPD			S1185	CESVG		
S753	PCSPK			T1188	VGUNA		
T756	PKTTA			T1192	ADTPV		
T762	EDTVQ			S1225	KPSPA		
S773	LVSVI			T1238	EFTQH		
S779	QSSPG			T1250	DITIF		
S797	GASLF			S1255	PESLQ		
S822	ISSID			T1261	SETLK		
S828	NFSVD			S1267	MNSMN		
S837	VTSLP			T1273	VGTFI		

Conservation Score

	conserved as S or T through D. melanogaster
	conserved as S or T through vertebrates
	not conserved

Phosphorylation Motif Matching Score

	Contains either D or N in the -2 position OR a hydrophobic residue (V,L,M,I, or F) in the +1
	Contains neither of the above criteria

Total S or T in STIL: 213

Total S or T in mass spec coverage: 183

match motif and phosphorylated: 33

match motif and not phosphorylated: 27

do not match motif and phosphorylated: 51

do not match motif and not phosphorylated: 72