

SUMO consensus motifs in NPM-ALK

1	MEDSMDMDMS	PLRPQNYLFG	CELKADKDYH	FKVDNDENEH	QLSLRTVSLG
51	AGAKDELHIV	EAEAMNYEGS	PIKVTLATLK	MSVQPTVSLG	GFEITPPVVL
101	RLKCGSGPVH	ISGQHLVVYR	RKHQELQAMA	MELQSPEYKL	SKLRTSTIMT
151	DYNPNYCFAG	KTSSISDLKE	VPRKNITLIR	GLGHGAFGEV	YEGQVSGMPN
201	DPSPLQVAVK	TLPEVCSEQD	ELDFLMEALI	ISKFNHQNV	RCIGVSLQSL
251	PRFILLELMA	GGDLKSFLRE	TRPRPSQPSS	LAMLDLLHVA	RDIACGCQYL
301	EENHFIHRDI	AARNCLLTCF	GPGRVAKIGD	FGMARDIYRA	SYYRKGCCAM
351	LPVKWMPPEA	FMEGIFTSKT	DTWSFGVLLW	EIFSLGYMPY	PSKSNQEVLE
401	FVTSGGRMDP	PKNCPGPVYR	IMTQCWQHQP	EDRPNFAIL	ERIEYCTQDP
451	DVINTALPIE	YGPLVEEEEK	VPVRPKDPEG	VPPLLSQQA	KREERSPAA
501	PPPLPTSSG	KAARKPTAAE	VSVRVPGRPA	VEGGHVNMAF	SQSNPPSELH
551	KVHGSRNKPT	SLWNPTYGSW	FTEKPTKKNN	PIAKKEPHDR	GNLGLEGSCT
601	VPPNVATGRL	PGASLLEPS	SLTANMKEVP	LFRLRHFPCC	NVNYGYQQQG
651	LPLEAATAPG	AGHYEDTILK	SKNSMNQPGP		

No.	Pos.	Group	Score	No.	Pos.	Group	Score
1	K24	LFGCE LKAD KDYHF	0.91	8	K327	GPGRV AKIG DFGMA	0.62
2	K32	DKDYH FKVD NDENE	0.85	9	K265	MAGGD LKSF LRETR	0.56
3	K54	SLGAG AKDE LHIVE	0.79	10	K476	KVPVR PKDP EGVPP	0.50
4	K491	LVSQQ AKRE EERSP	0.79	11	K470	LVEEE EKVP VRPKD	0.39
5	K584	KNNPI AKKE PHDRG	0.79	12	K585	NNPIA KKEP HDRGN	0.37
6	K103	PVVLR LKCG SGPVH	0.73	13	K345	RASY Y RKGG CAMLP	0.27
7	K514	SSGKA AKKP TAAEV	0.69				

- Motifs with high probability
- Motifs with low probability
- Overlapping Motifs