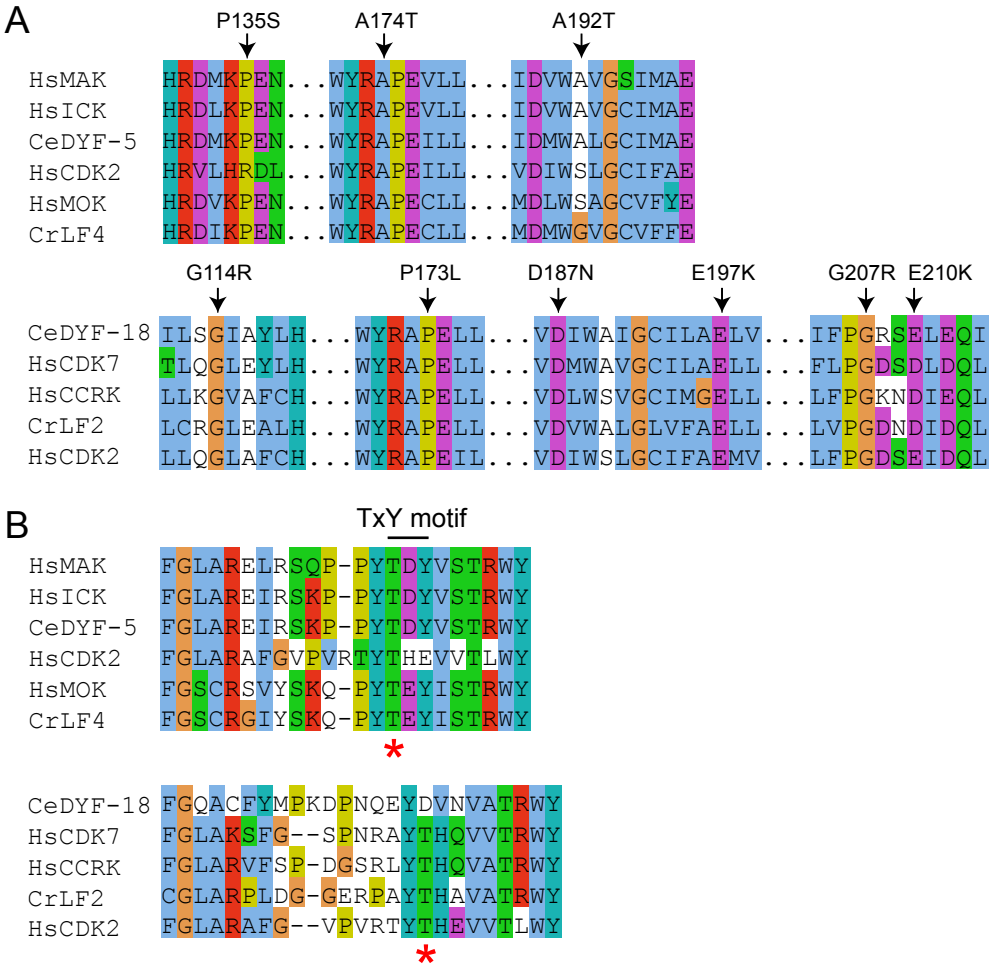
Figure S1


A
P135S
A174T
A192T
HsMAK HRDMKPEN...WYRAPEVLL...IDVWAVGSIMAE
HsICK HRDLKPEN...WYRAPEVLL...IDVWAVGCIMAE
CeDYF-5 HRDMKPEN...WYRAPEILL...IDMWALGCIMAE
HsCDK2 HRVLHRDL...WYRAPEILL...VDIWSLGCIFAE
HsMOK HRDVKPEN...WYRAPECLL...MDLWSAGCVFYE
CrLF4 HRDIKPEN...WYRAPECLL...MDMWGVGCVFFE
G114R
P173L
D187N
E197K
G207R
E210K
CeDYF-18 ILSGIAYLH...WYRAPELL...VDIWAIGCILAELV...IFPGRSELEQI
HsCDK7 TLQGLEYLH...WYRAPELL...VDMWAVGCILAELL...FLPGDSDLDQL
HsCCRK LLKGVAFCH...WYRAPELL...VDLWSVGCIMGELL...LFPGKNDIEQL
CrLF2 LCRGLEALH...WYRAPELL...VDVWALGLVFAELL...LVPGDNDIDQL
HsCDK2 LLQGLAFCH...WYRAPEIL...VDIWSLGCIFAEMV...LFPGDSEIDQL
B
TxY motif
HsMAK FGLARELRSQP-PYTDYVSTRWY
HsICK FGLAREIRSKP-PYTDYVSTRWY
CeDYF-5 FGLAREIRSKP-PYTDYVSTRWY
HsCDK2 FGLARAFGVPVRTYTHEVVTLWY
HsMOK FGSCRSVYSKQ-PYTEYISTRWY
CrLF4 FGSCRGIYSKQ-PYTEYISTRWY
*
CeDYF-18 FGQACFYMPKDPNQEYDVNVATRWY
HsCDK7 FGLAKSFG--SPNRAYTHQVVTRWY
HsCCRK FGLARVFSP-DGSRLYTHQVATRWY
CrLF2 CGLARPLDG-GERPAYTHAVATRWY
HsCDK2 FGLARAFG--VPVRTYTHEVVTLWY
*