

Filtered Structure Databases
(PDB, SCOP)

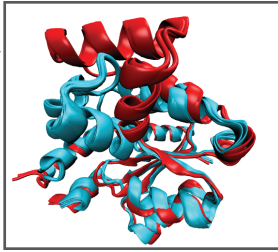
Sequence alignments

Sequence Group 1:
RLGTGSAARVMLVKHKEAGRTLFPGVHDIDQL
RLGTGSFLRVMLVKHKESGRTLFWGTDHIWQL
RVGTRSFARVMLVKHKESGRTLFPGTDHIDQL
RLGTGSFARVMLVKHKESGRTAFAGTDHIAQL

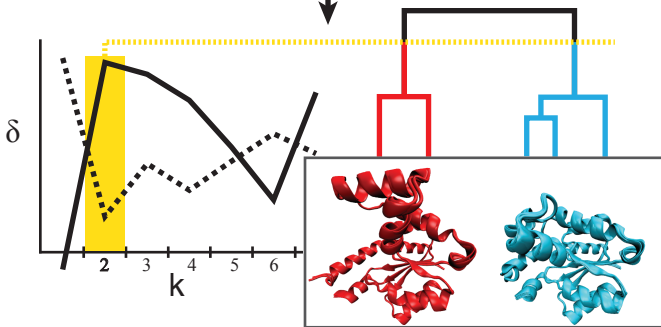
Sequence Group 2:
GSEQESVKEFLRKAKEDGLAGGVTYLWDENNRR
GSAQESVKEFLVKAKEDTCAGGVFYLDDENNRR
GSEQKSVKEFLAKAFEDFAAGVVTYLDENNRR
GSEQESVKPFLAKAKEDFDAGGVVYLDDEANRR

Sequence Group 3:
YRDLKPEENLALDQQGYDQVWALGQLIYEMAAG
YRDLVPEENLLIDQGEIQVWALGVLRRVVMQAG
YRALRPQNLHIDQMGYIQVWVLGVLIYVMAAG
YRDLAPNDLIDQGNQVWALGVDEYAMAAG
⋮

Structure alignment



K-means Clustering with Gap Statistic



Allosteric hotspot prediction

