

ConSurf Results for job:CNGC6 date:11/10/2024



Sequence logo showing conservation of amino acids at various positions:

- 601**: KQLRHTFRFY (conservation: eeebeeebebe, ff fffsf)
- 611**: SQQWRTWAAC (conservation: eeebebffff, f f f s)
- 621**: FIQAAWRRH (conservation: bbebbbeeee, f ff)
- 631**: RKKLEESLCE (conservation: eeeeeeeee, eeeeee)
- 641**: EENRLQDALA (conservation: eeeeeeeee, eeeeee)
- 651**: RGGGSSPSLG (conservation: eeeeeeeebe, bbbbbbbebbe)
- 661**: ATIYASRFAA (conservation: eeeeeeeebe, f)
- 671**: NALRALRHNT (conservation: eeeeeeeebe, f)
- 681**: AKKARMTDRI (conservation: eeeeeeeebe, f)
- 691**: SPILLQKPAE (conservation: beeeeeeee, ff f)
- 701**: PDFTAEDK (conservation: eeebeeeee, ffs)

The conservation scale:



Variable Average Conserved

- e - An exposed residue according to the neural network algorithm.
 - b - A buried residue according to the neural network algorithm.
 - f - A predicted functional residue (highly conserved and exposed).
 - s - A predicted structural residue (highly conserved and buried).