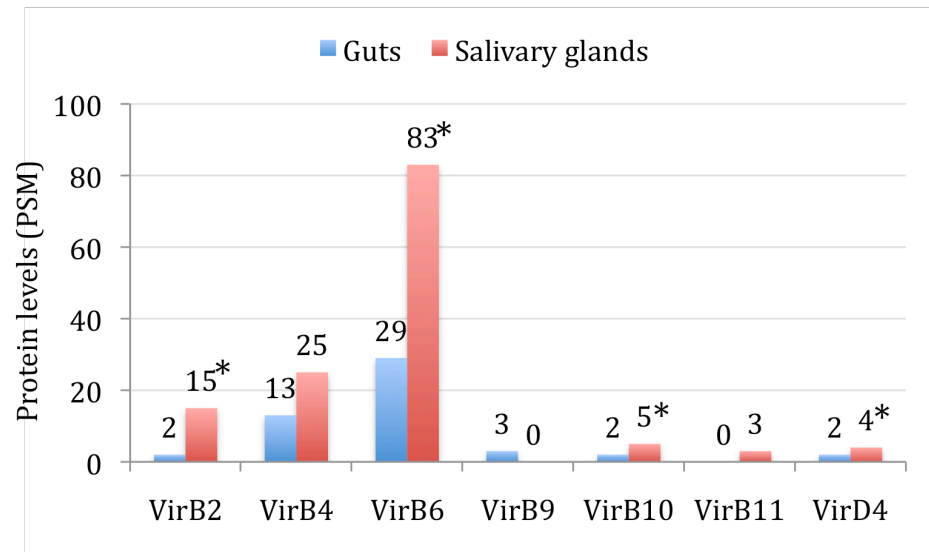


A



B



>88598768 - APL0051 - iron-binding protein



MVLAICFVIAIYKHSIIQEKVVIVYSSRKEELLRDLKFKFTADTGIQVRYINDEAAQLIARMESEGAYSEADVFLTADAVNL
 ILAKKKGLLQPVRSILEQVIPARYRNDGVMFGLTKRARIVYNNKDLVDVSQLSTYEDLADSKWRQZILVRSSNSPYNQSLI
 APMVANGMEATREWRGLVSNFARKPAGGDTQIYAAAAGEGGIATVNSYWRVCSERRVDKEAAAKLAIFFPNQGSTGA
 MNISSGGAVAKSNKNDALKLEFLSGEEAQSIYANSNQEYPIVLGAARSKILQSWGEFQESSELPLQELELYLGEVSQIAD
 EGR

NLS:	Type	Start	Seq	End
	Monopartite	86	AKKKGLL	93
	Monopartite	119	TKRARIV	126
Eblock:	Start	Seq	End	
	311	ESELPLQELE	321	

Charges: -8 Basicity: 2 Hydrophobicity Cter: 0 Global Hydrophobicity: -88.7

>88598612 - APL0346 - HSP70



MAERIIIGIDLGTNSCVAYMEAGTAKVIENSGSRTTFSVYFTDNERLVSELAKRQANIAHQNTIYASKRIIGRYYDWRD
 LKQPYEVFPKNGDAMIKAIGESYSPVQIGAFVLEKIKETAEERYFGAPKKAIVITVPAIFNDARQATKQAGTIAASLDYVRII
 NEPTAALAYSLDKGQKQRTIVYDLGGGTFDVSLEIADGVFEVKAINGOTKLGSEDFDNIAMHMSFQKETSILNRDP
 MAVQRVKEAAEKAKIELSTRLETDITLPISSDSTGAKHLKLSRAKFEGLVDELIERTEPKKALSDAGIKDKGVDEIV
 LVGDMTRPKVIQRVDFKPEQGVNPEDEVAVGAAIQGGILTGVRDVLDDVAPLSLGIETLGGVFTPLIERNTTPTK
 KQVFTSTAEEDQTAIVTIKVVYQGERKMAIDNKLKQFSLGDIHPHAPRQVQIEVTFDIDANGIVHSAKDKASGKEQTIKIQSS
 GGSDSELKKVYKDAQDRADDEKRRKIVELKNSSEGLIHSVEKSLKDYGGKAGADKSNISGATKDLRECLNDSGSDTITL
 KYDALNLSMKLGEAAAYANKNDGAGSADQSGSSGSDGPEELVVDSEYQEINDEDNT

NLS:	Type	Start	Seq	End	
	Bipartite	507	KKMVKDAQDRAED DEKRRK	526	
Eblock:	Start	Seq	End		
	623	NPEERWDESE	633		
Coiled-coil:	Score	Start	Seq	End	Proba
	1.71	501	LSDEEIKKMVKDAQ DRAEDDEKRRKHVE LKNSSSEGL	536	0.999
	1.374	560	ESAKDLRECLNDS NCSTDTLQOKYDAL	587	0.599

Charges: -7 Basicity: 4 Hydrophobicity Cter: 0 Global Hydrophobicity: -264.5

>88598721 - APL1159 - peptidase M16 family



MKLFIVIFRIKLFHFMKQKQISFFVVCILIFLLGFRVAVAVDQKMRSTELKNGKVVYIQQNSLPVIRHPLIYKGGVDDP
 PGLSGIAHYFEHPPFSGTKKPKFSDVIDGLGGDLNAETSSSYATYHELHKKHPLMMEADRNQSLRLVOKYLERENNV
 REERKMRVSTKQALLAEVFNVFYRNGYGRPVIGMDHEISNYNKEAANAFYRKYYPNNAILLVVGDVDFGEVRLANQHYG
 KIKNRHERIEKFAANIEFPHRSEIIVKMSHHTISDPEVMMLYKAPSVSTESDNKLLAAHIAVDIVAGDAFGLVYNELVKOR
 SLATSVFGEYSELVSGDGVSVLELPLKLGVSPEIDINREAKEVIADLMEQGVTEELVNSAKYRSMHFTYGLDGVASARFYAD
 TLAAGAEPLEPDLGAIKSVTVEDVNSVLRRIIFSEASVTAYLTGDEHGGDDEEMLGSDQISQPEEGFDIATEFFPEDEA
 MHPDDESIVSVTEA

NLS:	Type	Start	Seq	End
	Monopartite	17	MKRRMR	23
Eblock:	Start	Seq	End	
	488	IATEFFPREDE	498	

Charges: -11 Basicity: 1 Hydrophobicity Cter: 0 Global Hydrophobicity: -118.3