

Archaeoglobus	SSEYKLLDIKQQTTLKVLTSNFSYGYMGWNLARWYCHPCA	EATTAWGRHFIR
Methanopyrus	PHEAKILDVRQQAYKVLANSYYGYMGWANARWFCRECAESVT	AWGRYYIS
Escherichia	-----PLSQALKIIMNAFYGVLGTTACRFFDPRLASSITMR	GHQIMR
Vibrio	-----AFSQAIIIMNSFYGVLGSSGCRFFDTRLASSITMR	GHEIMK
Encephalitozoon	SALRACLNGRQLAFKLCANSLYGFTGASRGKLP	CFEISQSVTGFGREMII
Homo	PLRRQVLDGRQLALKVSANSVYGFTGAQVGKLP	CLEISQSVTGFGGRQMIE
Mimivirus	PFVKAILNALQLAFKVTANSLYGQTGAPTSPLYFIAIA	AACTTAIGRERLH
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Archaeoglobus	TSAKIAESM-----GFKVL YGD TDSIFVTKAG---M-----TK	
Methanopyrus	EVRRIAEKY-----GLKVV YGD TDSL FVKLPD---A-----DL	
Escherichia	QTKALIEAQ-----GYDVI YGD TDS TFVWLKG--AH-----SE	
Vibrio	QTKVLIENK-----GYQVI YGD TDS TFVSLNG--SY-----SQ	
Encephalitozoon	LTKKLIENFSRKNGYTHDSVVI YGD TDSVMVDFDE---Q-----DI	
Homo	KTKQLVESKYTVENGYSTAKVV YGD TDSVMCRFGV---S-----SV	
Mimivirus	YAKKTVEDNFP-----GSEVI YGD TDSIFINFHIKDENGEEKTDKEAL	
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Archaeoglobus	EDVDRLIDKL-----HEELPIQIEVDEYYSAIFFV----	
Methanopyrus	EETIERVKEFLKEVNG-----RL--PVELELEDAYKRILFV----	
Escherichia	EEAAKIGRALVQHVNAAETLQKQ-RLTSALELEYETHFCRFLMPTIRG	
Vibrio	AEADEVGNHLVEYINSWWQEHLRAEYNLTSMLEIEYETHYRKFLMPTIRG	
Encephalitozoon	EKVFKMSKEISEFITS-----KFVKPVSLEFEKVYYPYLLI----	
Homo	AEAMALGREAADWVSG-----HFPSPIRLEFEKVYFPYLLI----	
Mimivirus	MKTIACQRAAKLINQ-----NVPKPQSIVYEKTLHPFILV----	
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