

A

	A4	A5	A6	A7
Consensus	FDxS	NxYGPTe	GELxIxGxG(VL)ARGYL	Y(RK)TGDL
L-Val	FDAa	NGYGPTe	GELCVGGDGVAKGYV	YRTGDY
D-Ala	FDVS	NLYGPTe	GELCLGGICVAKGYM	YRTGDL
L-O-Val	HVGG	PVwGMSE	GRLQ IKGKNVLEGYy	YDTGDL
D-O-Leu	HVGG	PTFGMSE	GRFQ IHGPTVMNGYF	FDSGDL
PksJ	HVGG	PAwGMSE	GRFQ VSGLSVTSGYY	FETGDL
BarE	HVGG	PAFGMSE	GKL Q VKGASVTSGYY	FRTGDL
McyG-A	HVGA	PAFGMTE	GREQ IQGNSVTKGYY	FTTDGL
NdcA	HVGA	PAFGMTE	GRLQ IKGFSVTEGYy	FTTGDL
EntE	HNYA	QVFGMAE	GRLM TRGPYTFRGYY	YCSGDL
DhbE	HNYP	QVFGMAE	GHILTRGPYTIRGYy	YRTGDI

B

CesA1	YIITGGLGGLGTLVAKLLLLERYSANVLLLGRTEIETNAEKMRLLDSLKEYE - 52 -
CesB1	YVVTGGLGGIGKEVCKLLLQQFSAKLFIVGRtALSTSPt - - -HLASLEELQ - 61 -
JamL	YLITGGLGALGLEVAQwMVKEGARNIVLTGRSAPKEAAQ - - - - -KTIRELE - 52 -
EryA	ILVTGGTAGLGAeVARWLAGRGAeHLALVSRRGPDTEGVG - - - - -DLTAELT - 51 -
DHG1	VVITGSSTGLGKAMAIRFATEKAK - - VVVNYRSKEEEAN - - - - -SVLEeIK - 56 -
	::**. .:* :: : . : : . *
CesA1	TEKELHAMFEAKVYASwVLHEIVKERQDCLYITTSSARTLLPGMTISAYCSANRFVENF
CesB1	SKAYYEEMFAAKVFGTVNLFQLIEGKKDALFLHFSSVNSYFGGASFTAYAAAANNFQDTF
JamL	SWERFTKVMAPKVSGTWYlHQLTQDLPLDFFVCFSSMASMLGNyGQGNyAAANGFMdAI
EryA	DEAAFDENVVAAKAGGAVHLDELCSd - - AELFLLFSSGAGVWGSARQGAYAAgNAFLDAF
DHG1	NKVIDTNLTGAFLGSREAIKYFVENDIKGTVINMSSVHEKIPWPLFVHYAASKGGMKLM
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