

logo

TryEFV
TrEFV
RhEFV
LhEFV
LcEFV1
LcEFV2
LbEFV
LhFV1
LhFV2
LbFV
EfFV
PcFV
PoFV1
PoFV2
PoFV3
CcFV1
CcFV2

.....MIPNVYSASGGKLIWLLNVLDD..NRTSIGTEYYDLQT
.....MLPNVYSASGGKLIWLLNVLDD..NRTSIAIEYYDLQT
.....NITGGKLIWLLNVLDD..DRTTIGTEYYDIQN
.....
.....QY..TGLTIVSFF.SSPDKCNNPSTMDIFKNIWLHDVLSSE..HYSKIAIEYYDIMI
.....M.NFQKDDVATTITDDFRYIWLNTIK.D..FSNFIGTEYINLSN
.....MEAQASPVTYGYISNKQGK.EYSGNI...DKTNIVLRNIKECYDSGDKYLEIDYSNVNS
.....MTTADSTVWCLEVTIS...NKNDITMLYYDFAK
.....MSQTKLFWLLNIIDLT..NEETLSAEMFDLTKLISINGTTTNTIATTTTIDNTA
.....MTT...T.VSKRDALQRVKLLSDSF..ANLLTIESF...EDC.ILTNQQSNKVFWLLKTYDH...ENTIIYFKGIDIMN
MVNDTTIFESYRYQQFINEFIYKCNNTNGSSSKELKSNGLIIDN.QHQQQQYGTEDKITITSSIGNETEYSSDGNVTKNCNLIWLLAIEESE...ISYNFCGLDLKTI

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TryEFV	VNSLETSYMLMMHLFLETN.TIQ	YEHQLVNDATKS	ISL	RLKYLK	SKI	SPRLY	HSNSKKDMKKAFSFFDPAR
TrEFV	VDSLEASYMLMMQLFLDAN.TIQ	HBHPYN.DTKTI	IVSF	RLKFLQ	SKI	SSQFD	V.GSKMSHFDPTR
RhEFV	VDSLETSYILMMQLFLDAN.TIQ	YDHPRASDTKTT	IVSF	RLKFLQ	SKI	PSQFY	RND.LDAT.KTSYFDPTR
LhEFV	VDSLDTSYILMMHLFLDSN.TIE	YBHKSM.DKAT	I.PL	RLKFLQ	SKI	PPECY	RNN.DHSMKKAFSYFDPTR
LcEFV1	VNSLETSYILMMHLFLEAN.TIE	QBHPSI.TKSV	I.PF	RLKFLQ	SKI	SPNCY	RNN.HDMKKAFCYFDPTR
LcEFV2							
LbEFV	CDShETSYSILMMHLFLDVN.TIQ	NBHPYINNSTTS	ITF	RLKFLQ	SKI	PTKFY	NE.KNGFGYFDTTTR
LhFV1	INSLDPSFMLTHLLLIQYM.TIQ	STYIIP.D	INI	NVHFMK	SKM	KDFS	TAAATDDDNHNDLTKSHFNPKM
LhFV2							
LbFV	INSIDTQFILMTILFESL.TVS	HNHVEMK.N	ISL	KLTFYK	SIL	NEKDM	SD.DLLQDCFNPEK
EfFV	IGIPNFHFMLTLYLIIDSI.TSE	YNKQFPGSGSVLDSVVPVEDQINMDGTAKK	RKKFM	SADNEMINNNKKRAVSK	SKRGSGSNDALLHINKRQY	KIKYRTVKKHLKFVLD	PVY
PcFV	IDNTSLSFTICMYNMI RQLSTTK	VSFNSTNSGQPS	QQPS	SSSHQQ	RKYT	C.RNFN	TRKCLNDETFLSKYYNEN
PoFV1							
PoFV2	IDTRDYHVMTLTILILQKL.TKQ	ARHlWK	DFP	KLTFLK	SIF	TKKPLRNIEEIKEIFNPAK	
PoFV3							
CcFV1	ASNANLHFKVALQMLIDRY.INTFE	VKH YDFAPSAI	ITET	LIDFK	QM	AE	DLVCDDSLAIDR
CcFV2	SANQSPHFIVMIYTLIEHY.IRVESLQINNKRQYNHVLNAERLI		IDKI	SMLKQL	SVM	D	NPDNQELCIDN

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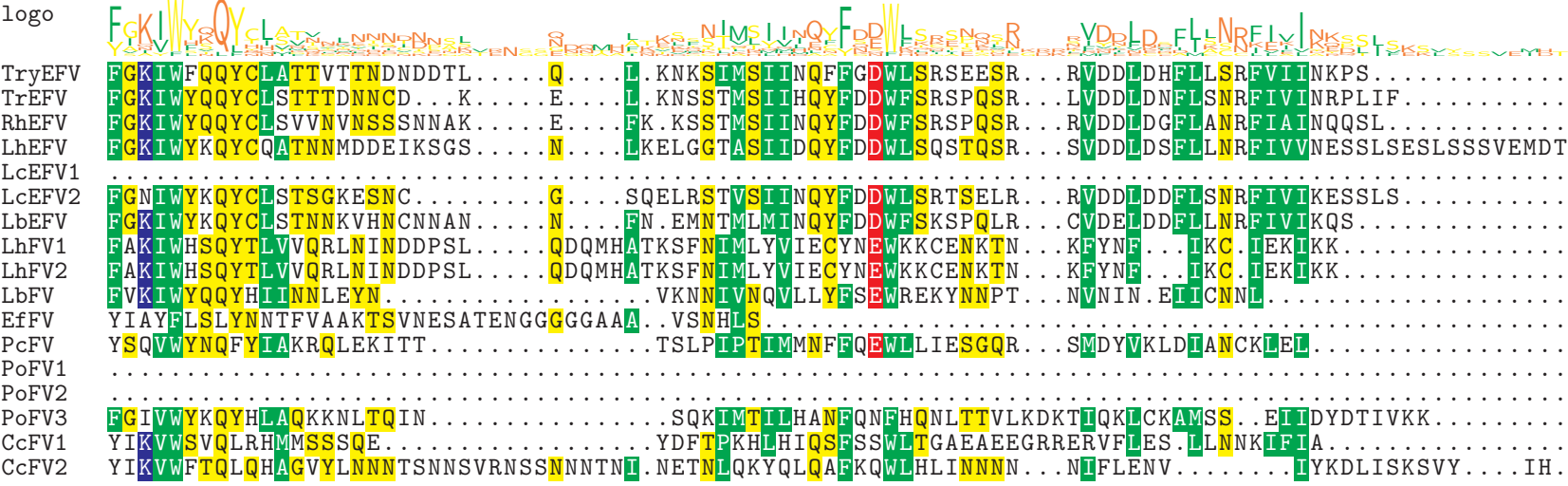
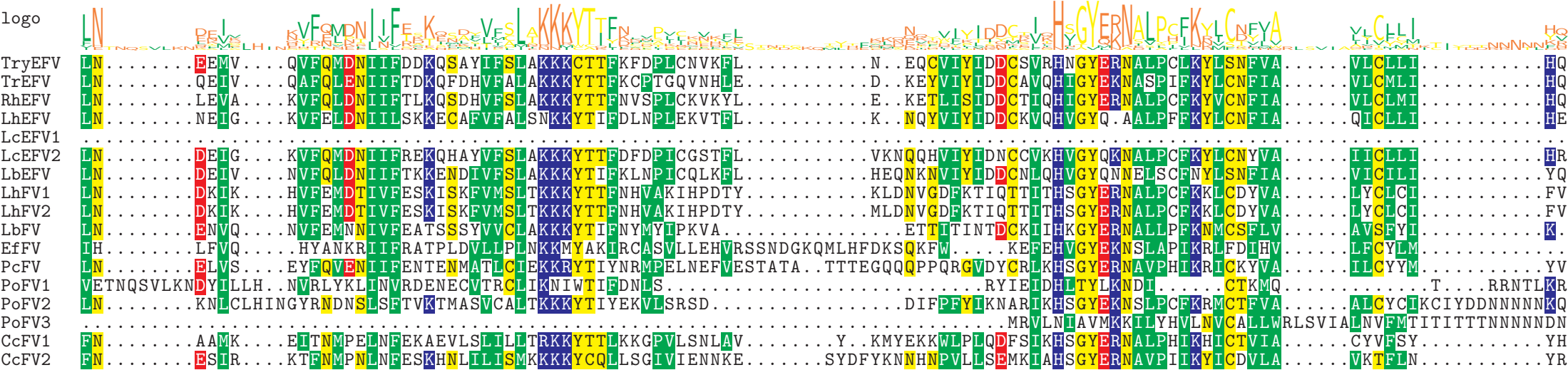
TryEFV VFFVINGLYIFNLDLTRRLTLF. SSETADLYKLLPMIAFDIETIADNM. IDVPTGCSANEKIVSYVLIAATHMERAITCVNYLRFLSLDQKEI. MDSGN. DAV GTTKWWQERDEHLSQKYQRQFLHNYDE
 TrEFV IFVINGLYIFNAETLRLILF. STDTSELKLLPMYSFHLEAFTDNL. TDIPSGNSENERIVSYVLVFAHAQNAIICVNYLRFLLVDSM. EKEIGSTKWWKECDKLLSEKYQKQFLGNVRE
 RhEFV IFVANGLYIFNIETLRLTLF. STDTAELKLLPMIAFDIETITDNL. TDVPTGCABNERVASVVLVATHMQSAIICVNYLRFSSTLQDQEM. E. EHHSTGSTNWWKERDKLLTEKYRGQFGLNFE
 LhEFV IFASNGFYIFNLDLTRRLTLF. SSNTADLYKLLPMIAFHLETTDNL. TDVPTGCSBHEQIISYILIAATHMEQAIICVNYLRFLSREQEI. FGKENPENNTGSDEWWKERDKLLSEKYQRQFLGNFQE
 LcEFV1 IFVANGLYIFNIETLRLQLF. SINTAELYKLLPMIAFRIETIADNM. IDIPTGCSNEEIVSYVLIAATHFEQAIIICVNYLRFLSPEQREM. MTKN. RRIDDGSTEWKKERDKOLLTEKYQRQFHPNYRE
 LcEFV2 IFVINGLYIINIETLRLTLF. STNTTELYKLLPIISFNMETITDNL. IDIPSGCFENEKIISYVLIAATHLENTVICVNYLRFLPGQLI. DEKNEIGSTKWWERDKLLTENYR. QLPFNYEN
 LbEFV FFFVSGIYIFIDSFHKKLTLL. SDKNVALYQLLPIISFDIETISNNL. IDVPIGSNKNKELISYVLHAFTLDRCIILVFYLRFDKNSEK. CKNFLTNAEWDLYDQKLTFRFQQHFKSKYKE
 LhFV2 YFVINGIYIFES. SNKISLY. STDVSKMYTLLPMISFDIETITDNL. IDVPLGCQKEKITISYVLFAQYNETVIIIVRYVSLFHQ. SDDDFKWKDFNQCLTEKFVVKYKEKYKS
 LbFV FFKIGGIFSDSHNLTLEFHSKQTLAPLMTLEPCVHFTFHSISDRTKADALAGSLVRDKIISWSLVVEYAGAITVIFMYNNLCCHDATVCRGDDEVCRANKRFEREWAELKDKYSERYLRTTSSKYCF
 EfFV YFILINGVYSLSAKQLDLIT. NDTTANLYRLLPMISFDIETSARTM. TDFPLGGNEYEKIVSLTLGYTYHDLVIIIVLYLRFFQFTDR. TSLIWNKIDQRLTTQVNNQYYSQKYPQ
 PcFV
 PoFV1 YYAPCAIYAYRDESL. HLI. STECDKVFIRILPIVSLDIETISDNM. LAIPYGTNEHERVSSYSLVVEWQGLTIVIVLQYVRMFAI. GEKSWHQLDTQLVDALKVKL. GFDK
 PoFV2
 PoFV3 IFTPDGVVYVDVNRQKTLL. SNRTADLYKLPIVISIDIETIAENM. IDLPFGVNBFFENTASCVLFCMHINSIVIIIVLYLKCQSD. LVDVQKYNTYILCKFKQIYISKYPK
 CcFV1 IFTPNGLYSINSGLQLLS. NTNLTNLYHLLPIVISIDIETITDNL. NDLPLGINENEQISSVLVFCRYLDSILYAIYQSTPLYTMNG. DSTTIKIDNNYNNRLWKETDKKLAMYFKRYSNKYPN
 CcFV2

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TryEFV	QH ^L LA ^Y ..NLS ^L KS ^L LT ^T ..TTYLSRD ^D ..HAK ^I ELNPV ^VEIR ^T YYILGTM ^L QQHQ ^Q .K.....DG.....I ^L .QFL ^Q QVANDAMKI ^I ..Y.....PPSSQPPSPVVIS ^L SK ^L Q ^L LP ^R STH ^S SCL ^T NG ^Q .
TrEFV	QH ^L LA ^T ..NLS ^L NS ^L SLT ^T ..TTYLPD ^D ..AAK ^I ILNPV ^VLIR ^T YYILL ^RNVR ^DT.....KFL ^Q EIAKAMNDN ^N ..S.....E ^L .SDFS ^V SV ^S LRK ^L LPQ ^Q ITQ ^N SLPS ^S .
RhEFV	QH ^L LA ^S ..NLS ^L NS ^L SLT ^T ..TTYLPND ^D ..SAK ^L LDNPV ^VLIR ^T YYILG ^F ALRNER ^DFG.....FLH ^LDA.....MTQ ^Q ..RLVT ^V SV ^S LP ^L LP ^R DV ^H NCV ^T NG ^Q .
LhEFV	HL ^T TT ^N ..LMD ^LPNDD ^T ANPI ^ITVR ^T YYILG ^T ITLQYNR ^DDK.....ILQ ^F FL ^Q QIAKKAMTI ^I ..N.....STSGQ ^Q ..MSPN ^I SH ^L ELP ^R TH ^N CL ^T THQ ^Q .
LcEFV1	QH ^LSL ^TPREQ ^E VNPL ^LLVRI ^T YYILGIM ^L QDER ^EER.....VLE ^F FL ^Q QITKSAFGE ^E ..K.....FTV ^P LD ^L Q ^L LP ^R NV ^H NCL ^T KG ^Q .
LcEFV2	QH ^L SL ^LT.....S.....PREQ ^E VNPL ^LLVRI ^T YYILGIM ^L QDER ^EER.....VLE ^F FL ^Q QITKSAFGE ^E ..K.....FTV ^P LD ^L Q ^L LP ^R NV ^H NCL ^T KG ^Q .
LbEFV	QH ^L LA ^T ..KL ^L K ^LF.....DVSQNLNPL ^LSIR ^T YYILGTLKN ^NVE ^F FL ^Q KIAT ^TEMNSK ^K FS ^I SL ^L KKLP ^Q NH ^N NCL ^T KG ^Q .
LhFV1	QH ^L CPGGS ^L SL ^L SK ^L SLT ^T ..KQY ^L LDKN ^N ..DAK ^I LD ^L DPV ^VIVR ^T IYII ^I MDHD ^L QVKP ^GGG.....GGGGDY ^Y KE ^L MTN ^C CMST ^TSNEF ^E FEI ^F FL ^L KK ^L LPS ^S SL ^L SHV ^L SSG ^Q .
LhFV2	
LbFV	HN ^L SPKAQ ^L SL ^L KY ^L LT ^T ..TVY ^L LSKE ^E ..YAK ^I LD ^L DPV ^VLIR ^T ALYII ^I EGNKKFCI ^ENK.....EI ^L GN ^T IL ^L NN ^F CNLN ^N ANN ^N ..S.....NDSNNDVLS ^V NI ^P IL ^L NN ^L YID ^L LK ^N NI ^T NN ^N .
EfFV	HG ^I IA ^T ADECVD ^T TYLLYSK ^F FPMT ^T .DIMKQRR ^A VLANCYA ^A E ^K CFLVATY ^L LNRPQ ^QGVNDACKT ^T ..AART ^F LCN ^Y F ^L STDH ^L ..PFCE ^EMDYR ^L ..ALC ^V DERYGD ^I YNK ^L IFDC ^Q .
PcFV	HS ^L GGGY ^T LS ^L LN ^L LA ^L ..NNFVKDI ^I ..ATK ^F DL ^N SI ^ILIR ^T Y ^Y YYII ^I DEYSAKYSLA ^LCR.....KQLCN ^L LN ^L ..LNLKN ^I DF ^L ..S.....SP.DTAIQM ^L LF ^N NEEL ^P IN ^L IR ^L QIL ^C NG ^Q .
PoFV1	
PoFV2	HN ^L AFVGNLS ^L SK ^L ELS ^S ..KTY ^L LKEDGLAS ^L KMD ^F DSV ^VAIR ^A AGYIL ^L SNFF ^Y TYTITYNNGNGNSSSGDVQKYETLIRG ^I CAH ^L FKLT ^TARDEEYDS ^S IN ^V NI ^E ESFPV ^S SV ^R KR ^L LSY ^S DN ^N .
PoFV3	
CcFV1	IK ^L Y ^Y YG ^L .PL ^L SL ^R RA ^T S ^S ..KY ^F FL ^L .KT ^T ..NTKMD ^L LN ^S I ^IVIR ^T IPYIV ^D LY ^L LQKNPHE ^EHQ.....LKQR ^F CV ^F FL ^L KK ^F FMRLTYAET ^TEEMIAAYRP ^V QL ^N NI ^T IT ^I PMEL ^R EV ^L LSNR ^R .
CcFV2	NHL ^F TGGR ^L .SL ^L KEVS ^S ..KSL ^I .KH ^L ..DTKID ^L NAV ^VAIR ^T IPYMYEKY ^L LKKSSQ ^QDDINKNISIVQT ^T FID ^F FL ^L KK ^F FIDIPDINNTKSDLS ^D NNLLDANSS ^S IFID ^N MD ^F FPND ^L LK ^N KI ^T NS ^S .



- X acidic (-)
- X basic (+)
- X polar uncharged
- X hydrophobic nonpolar