

lgo

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MNPDLKIFEARFYGSF|NEFIYKCNATWGGSSKELYSREDIYBNVZNPSSKQKRYGLT|YSEFQNEFQCNVNTSSKLLWLLNLYDDNERTILEYDLETT
TrEFV
ThEFV
RhEFV
LhEFV
LcEFV1
LcEFV2
LbEFV
LhFV1
LhFV2
LbFV
EfFV
PcFV
PoFV1
PoFV2
PoFV3
CcFV1
CcFV2

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[illegible]

lgo

	YRSLEISYILMMHLFLDNP	TLQ	YEH	NDTKLT	LSF	RLKFLQ	SKL	RLSY	SPN	LNK	LSY	FDP	R
	YRSLEISYILMMHLFLDNP	TLQ	YEH	NDTKLT	LSF	RLKFLQ	SKL	RLSY	SPN	LNK	LSY	FDP	R
TrEFV	VNSLETSYMLMMHLFLDNP	TLQ	YEHQLV	NDATKS	ISL	RLKYLK	SKI	SPRLY	HSNSKKDM	KKAFS	FDP	PAR	
ThEFV	VDSLSEASYMLMMQLFLDAN	TIQ	HEHPYN	DTKTI	VSF	RLKFLQ	SKI	SSQFD	V		GSKMSH	DP	TR
RhEFV	VDSLSETSYILMMQLFLDAN	TIQ	YDHPRA	SDTKTT	VSF	RLKFLQ	SKI	PSQFY	RND	LDAT	KT	SY	DP
LhEFV	VDSLDTSYILMMHLFLDSN	TIE	YEHKSM	DKAT	IPL	RLKFLQ	SKI	PPECY	RNN	DHSMKKAFS	FDP	TR	
LcEFV1	VNSLETSYILMMHLFLCAN	TIE	QBHPSI	TKSV	IPF	RLKFLQ	SKI	SPNCY	RNN	HDMKKAF	CY	DP	TR
LcEFV2													
LbEFV	CDSHETSYILMMHLFLDVN	TIQ	NEHPYI	NNSTTS	ITF	RLKFLQ	SKI	PTKFY	NE		KNGFCY	DT	TR
LhFV1	INSIDPSFMLTLHLLIQYM	TIQ	STYIIP	D	INI	NVHFMK	SKM	KDFS	TAAATDDDN	HNDLTKSH	NP	KN	
LhFV2													
LbFV	INSIDTQFILMTILFESL	TVS	HNHVMK	N	ISL	KLTFYK	SIL	NEKDM	SD		DLLQDC	FN	PEK
EfFV	IGIPNFHFMILTLYLIDSI	TSE	YNKQF	PGSGSVLDSVVPVED	QINMDGTAKKR	KKFM	SADNEMINNNKRAVSK	SKRGSGSNDALLHINKRQY		KT	KYRTVKHKLKFV	LD	PVY
PcFV	IDNTSLSFTICMYNMIRQLST	TIK	VSFNSTNSGQPS	QQPS		SSSHQQ	RKYT	C	RNFNY		TRKCLNDETFLSKYYN	FEN	
PoFV1													
PoFV2	IDTRDYHVMTITILQKQL	TKQ	ARHIWK		DFP	KLTFLK	SIF				TKKPLRNIEEIKEI	FN	PAK
PoFV3													
CcFV1	ASNANLHFKVALQMLIDRY	TNIFE	VKH	YDFAPSVAI	DET	LIDFK	QM		AE		DLVCDD	SL	ADR
CcFV2	SANQSPHFIVMIYTLIEHY	ITRVESLQKINNKRQY	NHVI	NAERLI	DKT	SLMLKQL	SVM		D		NPDNQEL	CL	DR

lgo

	IFVNGLYIFENLDTLRILTLF	SSETADYKLLPMPISFDIETIDNM	IDVPTGCSANEKIVSYVLIA	THMERATICVNYLRFLSLDQQEI	.MDSGN.DAVGTTKWWQERDEHLSQKYQRQFLHNYRE
TrEFV	VFVNTGLYIFENLDTLRILTLF	SSETADYKLLPMPISFDIETIDNM	IDVPTGCSANEKIVSYVLIA	THMERATICVNYLRFLSLDQQEI	.MDSGN.DAVGTTKWWQERDEHLSQKYQRQFLHNYRE
ThEFV	IFVNTGLYIFENLDTLRILTLF	STDTSEYKLLPMPISFHLEAVTDNL	TDIPSGNSENERIVSYVLVFTHAQNAII	CVNYLRFLSLDQQEI	.EKEIGSTKWWQEKDKLSEKYYQKQFLGNRYRE
RhEFV	IFVANGLYIFENLDTLRILTLF	STDTAEYKLLPMPISFHLEAVTDNL	TDVPTGCAENERIVSYVLVFTHAQNAII	CVNYLRFLSLDQQEI	.E.EHHSTGSTNWWKERDKLSEKYYQKQFLGNRYRE
LhEFV	IFVANGLYIFENLDTLRILTLF	SSNTADYKLLPMPISFHLEAVTDNL	VDVPTGCSANEKIVSYVLIA	THMERATICVNYLRFLSLDQQEI	.FGKENPENNTGSDVWKKERDKLSEKYYQKQFLGNRYRE
LcEFV1	IFVANGLYIFENLDTLRILTLF	SNTADYKLLPMPISFHLEAVTDNL	IDVPTGCSANEKIVSYVLIA	THMERATICVNYLRFLSLDQQEI	.MTKN.RRIDDGSTBWWKERDKLSEKYYQKQFLGNRYRE
LcEFV2	IFVNTGLYIFENLDTLRILTLF	SNTTTEYKLLPMPISFHLEAVTDNL	IDIPSGCFENEKIVSYVLIA	THMERATICVNYLRFLSLDQQEI	.MMTKNRRIDDGSTBWWKERDKLSEKYYQKQFLGNRYRE
LbEFV	FFVNGIYIFENLDTLRILTLF	SDKNVAEYKLLPMPISFDIETISNNL	IDVPIGSNKNKILSYVLIA	THMERATICVNYLRFLSLDQQEI	.DEKNEIGSTKWWKERDKLSEKYYQKQFLGNRYRE
LhFV1	FFVNGIYIFENLDTLRILTLF	SDKNVAEYKLLPMPISFDIETISNNL	IDVPIGSNKNKILSYVLIA	THMERATICVNYLRFLSLDQQEI	.CKNFLTNAEWDLVQKLTFRQKQHFHNYRE
LhFV2	FFVNTGLYIFENLDTLRILTLF	STDVSKMYTLLPMPISFDIETIDNM	IDVPLGCKKEKIVSYVLIA	THMERATICVNYLRFLSLDQQEI	.SNDDFKWKDFNQCLEKFKVKKYKEKYKS
LbFV	FFKIGGIFSDSHNLTKFHEHSKQLTAP	MTLEPCVHFTFHSISDRTK	ADALAGSLVRDKIQSWSLVVEYAGATV	IFMYNNLCCHDATVCRGDDEVCRANKRFRER	EWAEKLDKYSERYLRTTSSKYCF
EfFV	FFKIGGIFSDSHNLTKFHEHSKQLTAP	MTLEPCVHFTFHSISDRTK	ADALAGSLVRDKIQSWSLVVEYAGATV	IFMYNNLCCHDATVCRGDDEVCRANKRFRER	EWAEKLDKYSERYLRTTSSKYCF
PcFV	YFILTNGVYSLSAKQLDLIT	NDTTANVYRLPMPISFDIETISARTM	TDFPLGGNEYEKIVSYLTLYGT	YHDLRVIIIVLYLRFFQFTDR	.TSLIWNKIQRQLTTQVNNQYYSQKYPQ
PoFV1	YYAPGATYAYRDESL	.HLI	STECCKVYRILPISLDIETISDNM	TAIPYGTNEHERVSSYSLVVEWQGLT	VIYITQYVRMFAI
PoFV2	YYAPGATYAYRDESL	.HLI	STECCKVYRILPISLDIETISDNM	TAIPYGTNEHERVSSYSLVVEWQGLT	VIYITQYVRMFAI
PoFV3	YYAPGATYAYRDESL	.HLI	STECCKVYRILPISLDIETISDNM	TAIPYGTNEHERVSSYSLVVEWQGLT	VIYITQYVRMFAI
CcFV1	IFTPTDGVVYVDVNRQKTLTL	SNRTADYKLLPMPISFDIETIDNM	IDLPFGVNEFENISCVLFCMHLSNVIIIVLYLKQSD	.LVDWQKYNTYLGCKFKQKIYISKYPK	
CcFV2	IFTPTDGVVYVDVNRQKTLTL	SNRTADYKLLPMPISFDIETIDNM	IDLPFGVNEFENISCVLFCMHLSNVIIIVLYLKQSD	.LVDWQKYNTYLGCKFKQKIYISKYPK	

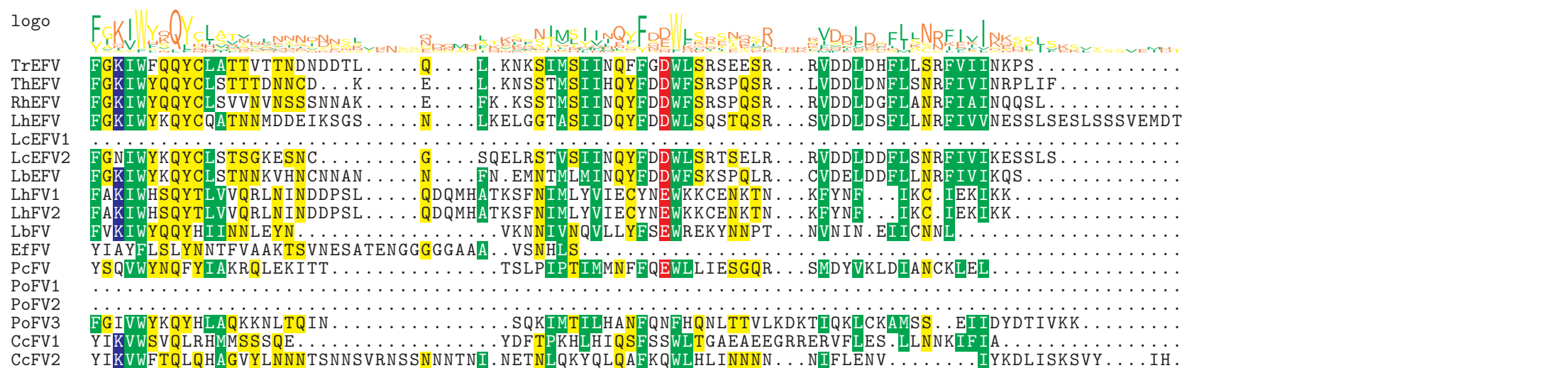
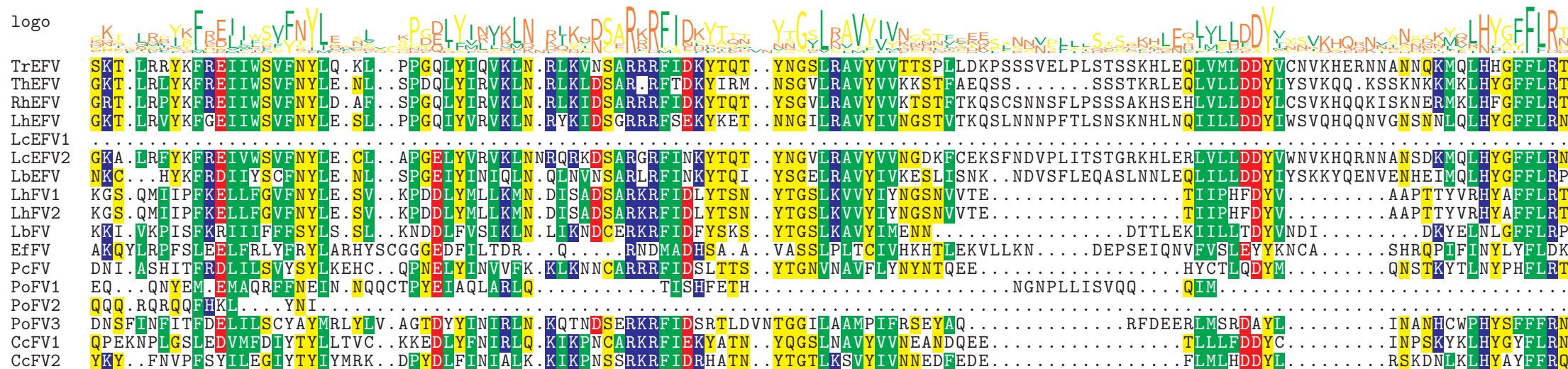
lgo

	LHV	LVESYDNEIQLESFIQLYSSGQLLRALVLN	AKAKHFFTCHNIKYDMPVMLRRFKWQHMQHQLVEDHVYDTS	GSVGSE	QSVIVKFHKNA	YLIDSYRIF	QQ	
TrEFV	LHV	LVESYDNEIQLESFIQLYSSGQLLRALVLN	AKAKHFFTCHNIKYDMPVMLRRFKWQHMQHQLVEDHVYDTS	GSVGSE	QSVIVKFHKNA	YLIDSYRIF	QQ	
ThEFV	LHT	WVESYDNEIQLESFIQLYSSGQLLRALVLN	SKAKHFFTCHNIKYDLPPLLRFRFKWQHMQHQLVEDHVYDTS	GNC	SESIIKFHKNA	YIVDTFRV	QQ	
RhEFV	LHV	WVESYDSEVQLLESFIQLYCRGQLLRHALVNN	SKAKHFFTCHNIIRYDLPFMLRRLKWKQHMQHQLVEDHVYDTS	GGNCS	SESIILKFHKFA	YVVDYSRV	QQ	
LhEFV	LHV	WVESYDSEIHLESFIQLYSSGQLLRQALVNN	SKAKHFFTCHNIKYDMPFVLRFRFKWQHMQHCEVEEHVTFD	GT	ESIIKFHKHS	YLIDSHRIF	QE	
LcEFV1	LNT	WVESYDTEMLLESFIQLYSRGQLLRQALVNN	SRAKHFFTCHDIKRDMPFLLRRFRFKWQHMQHVEDYVYD	GFD	ESIIVKFHRNA	YFIDSYRIF	QQ	
LcEFV2	LNT	WVESYDTEMLLESFIQLYSRGQLLRQALVNN	SRAKHFFTCHDIKRDMPFLLRRFRFKWQHMQHVEDYVYD	GFD	ESIIVKFHRNA	YFIDSYRIF	QQ	
LbEFV	LEI	WVESYDSEIHLESFIQLYSGKQLLYALVNN	CKAKHFFTCHSIKYDIPFMLRFRFKWQHMQHVEDYVYD	GD	SQIIVKFHKNA	YFIDLYRV	KQ	
LhFV1	LHV	HVQSGSDEIQLLKHFDIYCKGTLRLSICGD	SNAKHFFTCHNIIRYDMPFLLRRFRFKWHSMSDIDSHVVFNT	GE	DVMFFKFN	NRNAYILD	SYRVF	DQ
LhFV2								
LbFV	VFC	WVKNFHSEHLLQDFLDVYSTGFLIKLITND	NKHKFFTCHNIIRYDQVLLRRLKWKYGLHEKVSQFIFDND	N	DSVLIRFNS	NAYILDSY	KIFEE	
EfFV	YSD	NIQVQSGSSELELMEEFIKLYSKGYLLERLTGGG	TGNPRHIVMGRIYERIFPFWKRCVYKLFESINKYFAIGS	GAVVDGTTTTTTTT	AAAAAAAAAAAAAAAA	AASHPFLSLNKN	ACIDTS	LFPS
PcFV	KKV	YSAILSYDTESNLLKAFYEWYMTGNMLQLLCDN	RNVHFFTCHNIIVKYDLPFLLTRFKWQHLLQYIDPLITY	DESID	V	ESIYIKFHPRA	ITLDSL	VLFKQ
PoFV1								
PoFV2		KPCEIFVRSFANELELLQSFHYWYISGKLQILTY	VNYPHILTGCHNIKYDLKVLFTRFIYWKLNLLSDITFSKID		NNIT	LIRFARYSY	IVDTFL	LEKN
PoFV3								
CcFV1		HFVQVYTFGSDDTVQDNLFNYSFLYMKGGFLKYLNLQ	EDSIHFIVCHNQIKYDFLTLYTVMQWHNCTELLEHVEVE	PL	A	NSPVPVLMFN	PHGIFID	TMIFNE
CcFV2		YQVRVIVKSFTTEDDLLNFFAYYASGIFKNFNL	TDYSYHILTGCHNIYNDLPTIYNRLWYQNEKNCINSGLLETKGQ		KNGC	PNFNNA	ATIDMY	LFGS

[illegible]







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