


logo

Estrame	Aano	XP_009033281.1	M	N	F	D	8
Ealveol	Vbra	CEL99851.1	M	N	I	D	8
Eviridi	Vcar	XP_002949072.1	M	N	F	S	8
Bspiroc	Tcal	AEJ18398.1	M	G	F	S	8
Bgemmat	Gpho	AMW04363.1	M	G	F	D	8
Bthermo	Tter	ACZ42165.1	M	S	I	E	8
Bacidob	Gmal	AEU35097.1	M	S	L	E	8
Bdeinoc	Tthe	BAD69831.1	M	T	L	D	8
Bchloro	Caur	ABY35517.1	M	S	I	G	8
Bproteo	Daut	ACN14859.1	M	S	F	K	8
Bchloro	Ctha	ACF15037.1	M	N	L	K	8
Bbacter	Hsp	AIZ65498.1	M	N	L	N	8
Baquifi	Aaeo	AAC07332.1	M	G	L	K	8
Bactino	Cacn	AFU40489.1	M	G	I	A	8
Athauma	CNit	AFU59479.1	M	G	L	N	8
Aeuryar	Nmag	ADD05844.1	M	G	I	S	8
Bproteo	Afer	ACK79767.1	M	S	I	K	8
Bthermo	Mpri	AFK05994.1	M	G	I	D	8
Bfusoba	Lbuc	ACV38698.1	M	S	I	G	8
Emetazo	Hsap	NP_001231573.1				M	1
Emetazo	Bmor	XP_004922821.1	M	W	L	G	8
Eviridi	Atha	NP_001332586.1	M	N	I	K	8
Bnitros	Lfer	BAM07649.1	M	S	L	E	8
Bproteo	Alip	CBS85649.1	M	S	I	S	8
Bproteo	Shal	A0066257.1	M	K	F	S	8
Bproteo	Bcep	ALK18953.1	M	S	L	D	8
Bplanct	Psp	AMV20944.1	M	P	H	S	8
Bproteo	Maes	ANG64508.1	M	S	L	K	8
Barmati	Fgin	AIE88136.1	M	S	L	K	5
Aasgard	CLok	OLS16333.1	M	K	L	P	8
Bcyanob	Hsp	AFZ44603.1					0
Bfirmic	Gthe	AMV09772.1	M	S	V	S	8
Eamoebo	Ddis	XP_637438.1	M	G	I	G	8
Eamoebo	Einv	XP_004256843.1				R	2
Eeuglen	Tbru	XP_011780226.1				R	2
Eparaba	Tvag	XP_001308534.1	M	W	L	G	8
NAarchae	a13	OLB69573.1	M	S	I	D	8

logo

Estrame	Aano	XP 009033281.1	DDL	QKDLV.TI	RQ.SY.A	EVM	ATQK	R.MQRQKDQADQLADEWYKR	49
Ealveol	Vbra	CEL99851.1	TDM	QSDLG.RI	KQ.SY.A	EVT	STQR	R.GERQREALLEQVQEWERR	49
Eviridi	Vcar	XP 002949072.1	EEM	QEDMV.RM	RQ.AT.A	QVM	ASQR	Q.TMAKQKSLQGSADQWLSR	49
Bspiroc	Tcal	AEJ18398.1	IDM	NEQLI.ES	KK.AV.A	MAI	ADEK	K.IERETLNQQAQAEWERK	49
Bgemmat	Gpho	AMW04363.1	VDM	RNQLA.KA	KQ.QV.A	AAI	ADEK	R.LKDQADAEFKLADDWEKR	49
Bthermo	Tter	ACZ42165.1	RDM	ASATA.EA	RA.QV.A	EMI	AQEK	I.IEANLERNISLANEWRQK	49
Bacidob	Gmal	AEU35097.1	LDM	ENQLL.QL	KT.QV.A	IAI	ADKH	L.LEKKSKEQSQTAEWRLK	49
Bdeinoc	Tthe	BAD69831.1	LDM	KQALR.EA	RE.QV.A	EAL	AEQK	R.LEREVESHEREAALWEEK	49
Bchloro	Caur	ABY35517.1	RQL	TNELY.EA	RT.GV.A	QAM	ADET	R.LEQRRIAAGEAEQWQIK	49
Bproteo	Daut	ACN14859.1	RDL	KKDLT.AA	MT.SL.A	EVK	GVAI	R.TRKEADKKKNMAQDYERK	49
Bchloro	Ctha	ACF15037.1	RDL	KNDLS.QA	MQ.GL.A	QVK	ASAI	R.LKKDADDQNSLAADYERK	49
Bbacter	Hsp	AIZ65498.1	RDL	RQDLT.KA	LH.AL.A	EVK	ALTI	R.SRNDAETERSHALDYENK	49
Baquifi	Aaeo	AAC07332.1	REL	RKQLK.EA	ME.AL.A	QVK	ASQI	R.FEREARNEKERAKALVKK	49
Bactino	Cacn	AFU40489.1	QRQ	LDMLQ.KV	RR.GV.A	DVA	TSRK	R.VELQMNQLQTDVCKMQNA	49
Athauuma	CNIt	AFU59479.1	IRQ	LEMN.KV	RR.GL.A	EII	TSRK	R.LEMQKSKLWDNIRLLDEQ	49
Aeuryar	Nmag	ADD05844.1	EQM	RDQLQ.EV	KR.GI.A	DLT	TQKK	R.LEMQKRRLEENVEKHNEQ	49
Bproteo	Afer	ACK79767.1	EKM	IANLQ.DT	KR.HL.A	DVV	TERI	S.LENQMAQAQKAAADKADAD	49
Bthermo	Mpri	AFK05994.1	REL	SEDLA.EV	KR.GT.A	GVI	AEET	R.TKRLVDENAAEVAKYADF	49
Bfusoba	Lbuc	ACV38698.1	RNM	ERDLN.SV	KS.ET.A	AVM	AQES	A.AKRKVIECEDEIKKMDTY	49
Emetazo	Hsap	NP 001231573.1					EL	E	4
Emetazo	Bmor	XP 004922821.1	TP	DEMTR.KN	QR.AL.N	KAM	RDLD	R.ERMKMEQQEKKVIAD	45
Eviridi	Atha	NP 001332586.1	TP	KDALR.TS	KR.E	M	AVAT	R.IEREITSLQLEEKRLVAE	44
Bnitros	Lfer	BAM07649.1	RAL	DDKLQ.KA	QG.EL.V	KAV	AEIK	L.LEQKIRDDESQVALYQER	49
Bproteo	Alip	CBS85649.1	QEM	EDTLV.EV	RS.ST.V	KII	AEKK	E.IERRVADLHRERDEWDRK	49
Bproteo	Shal	A0066257.1	REI	EKVAS.DI	KL.EL.G	KDV	VKQK	L.IKERIDSYNAEHNKLLAQ	49
Bproteo	Bcep	ALK18953.1	REL	DDSTG.RA	EN.SL.I	EIE	AQVA	T.QRSKRDAADDKVKKYEDG	49
Bplanct	Psp	AMV20944.1	REM	REGVA.GA	NR.SS.K	TAA	GNLS	R.IELEIGEQTQVQVQWLGR	49
Bproteo	Maes	ANG64508.1	DEM	RHKVA.QA	RA.RL.N	QMQ	REEA	Q.LQSRIAALHEDEQLWAER	49
Barmati	Fgin	AIE88136.1	RDM	QGALV.SN	KE.RA.V	QAI	TQKN	R.LQMMLDDERKKAAQLESQ	46
Aasgard	CLok	OLS16333.1		QE	KE.KI.A	ELK	ATIN	R.IELKSRQFRQKANVMRVN	41
Bcyanob	Hsp	AFZ44603.1	EM	QMSVE.QL	TQ.AV.T	VQV	NNYQ	Q.AEERYSAKVQEFKDLETK	40
Bfirmic	Gthe	AMV09772.1	RQC	EQEVE.RV	RQ.LL.E	RQY	VLKE	Q.FAREHREAQMVKEKRSKQ	49
Eamoebo	Ddis	XP 637438.1		EDKLS.KT	DR.AV.L	NLK	IQRD	K.LKNYQTQVLEIAI	41
Eamoebo	Einu	XP 004256843.1			KK.AV.A	KTQ	ERIK	F.LKLKIDHDTQIISEELKL	33
Eeuglen	Tbru	XP 011780226.1			NS.SL.E	ELQ	SKLE	L.LEKREGVLTKKVEDELAK	33
Eparaba	Tvag	XP 001308534.1		KEPTV.NA	QT.AG.E	KNA	ETIE	M.MNKKIEQLDRQAENMAKE	46
NAarchae	a13	OLB69573.1	EAT	KPTPV.KR	RI.QF.A	KLR	TQTN	R.LEKTINQMEHRDRILHDK	49







logo

logo																			
Estrame	Aano	XP 009033281.1	.....	AQL	AL	.....	EKG	D	.....	DELAR	EA	LS	RKTQQT	DASAG	DEQIAVQTDS	89
Ealveol	Vbra	CEL99851.1	.....	AQL	AV	.....	SKG	R	.....	DDMAR	EA	LQ	RRVVLTT	KVQGL	DEQLRIQKEA	89
Eviridi	Vcar	XP 002949072.1	.....	AEL	AV	.....	ARG	Q	.....	DDLAR	EA	LK	RRKVLQED	ADRMNEQVALQTNA	89	
Bspiroc	Tcal	AEJ18398.1	.....	AML	AV	.....	RAG	Q	.....	DDLAK	EA	LL	RKQEYEN	NYVEYKKQWEAQKAS	89	
Bgemmat	Gpho	AMW04363.1	.....	AML	AV	.....	QEG	R	.....	DDLAK	QA	LM	RGQEHL	EHGQQ	LAATWEAHKME	89
Bthermo	Tter	ACZ42165.1	.....	AEL	AV	.....	QKG	R	.....	DDLAR	EA	LR	RYNDYLEN	ASVYEQQLDAQRKI	89	
Bacidob	Gmal	AEU35097.1	.....	AEL	AV	.....	TKG	K	.....	DDLAR	AA	LD	RALTHEK	MAGD	LLHQVEEQTEE	89
Bdeinoc	Tthe	BAD69831.1	.....	ARE	AL	.....	KAG	R	.....	EDLAR	EA	LR	RKKRALD	LAEGFKAQLSEHKAL	89	
Bchloro	Caur	ABY35517.1	.....	AER	AL	.....	RAG	D	.....	EALAK	AA	LA	RKVQAQK	LAEQYRAQEKAQEEQ	89	
Bproteo	Daut	ACN14859.1	.....	AML	LL	.....	QKM	Q	.....	ERLAT	EA	LN	LKEQSLAE	SVRLGTEATAHEQR	89	
Bchloro	Ctha	ACF15037.1	.....	AML	LL	.....	QKG	E	.....	ERLAT	EA	LS	RKEEASQR	SKTLMSEHQGQCEM	89	
Bbacter	Hsp	AIZ65498.1	.....	AVL	LL	.....	QKA	H	.....	DRLAT	EA	LL	KKNQHETQ	SSRAAQDQEKFETS	89	
Baquifi	Aaeo	AAC07332.1	.....	AES	LL	.....	QEG	K	.....	EKLAA	EL	IQ	KAELHEK	NARRLEEEAKRQREM	89	
Bactino	Cacn	AFU40489.1	.....	ASR	AL	.....	EQG	R	.....	EDLAR	EA	LT	RKATLQA	LNDLQTQHATLQAE	89	
Athauma	CNit	AFU59479.1	.....	ASR	AL	.....	DAG	R	.....	EDLAR	LA	LE	RKNTNLLQ	IQDLDKQIAELQEE	89	
Aeuryar	Nmag	ADD05844.1	.....	ART	AV	.....	QQD	R	.....	EDLAR	RA	LE	KKKTKMNQ	IEDLERQISELQNG	89	
Bproteo	Afer	ACK79767.1	.....	ARV	AL	.....	GAN	R	.....	EDLAR	AE	LA	QKQSELQK	IASLKEAHDTVAAQ	89	
Bthermo	Mpri	AFK05994.1	.....	AKR	AL	.....	LAK	N	.....	DGDAK	VF	IA	KKQELENV	GAGLMTAYAAAHEN	89	
Bfusoba	Lbuc	ACV38698.1	.....	ARK	AL	.....	KSG	N	.....	ESDAK	LF	LE	KKATLQTK	LESNNDKEVAAQN	89	
Emetazo	Hsap	NP 001231573.1	.....	IKK	MA	.....	KIG	N	.....	KEACK	VL	AK	QLVHLRKQ	KTRTFVAVSSKVTSM	44	
Emetazo	Bmor	XP 004922821.1	.....	IKK	LA	.....	KEG	Q	.....	MDAVK	IM	AK	DLVTRRRY	VRKFMMLMKANIQAV	85	
Eviridi	Atha	NP 001332586.1	.....	IKK	TA	.....	KTG	N	.....	EAAATK	IL	AR	QLVRLRQQ	ITNLQGSRAQIRGV	84	
Bnitros	Lfer	BAM07649.1	.....	AEK	AV	.....	KAG	N	.....	DDLAK	RA	LV	EKSRLSAD	LSEMTQRDEQKKV	89	
Bproteo	Alip	CBS85649.1	.....	AEV	AL	.....	TRD	R	.....	EDLAK	GA	LM	AKSKVAEQ	ADALAEQLVQVEAA	89	
Bproteo	Shal	A0066257.1	.....	VKI	AL	.....	KED	R	.....	EDLAE	AG	LA	EQISIEEK	IKANQVQMDALQKE	89	
Bproteo	Bcep	ALK18953.1	.....	AKR	AL	.....	QAG	D	.....	EALAR	EA	LG	AQSNAEAE	ERDALAAELSTLEPS	89	
Bplanct	Psp	AMV20944.1	.....	ARE	AL	.....	AAE	D	.....	EENAR	QA	LL	RKREHESL	LAGLEQQLGAARST	89	
Bproteo	Maes	ANG64508.1	.....	AKS	CA	.....	ST	D	.....	PTRAL	AC	IE	RRQQCRSQ	AEHLAQGLISYRQS	88	
Barmati	Fgin	AIE88136.1	.....	ATM	AL	.....	KQG	D	.....	RELAT	QF	MR	EKMNHDA	TIATLQSSYEQAVAT	86	
Aasgard	CLok	OLS16333.1	.....	AKK	AL	.....	KVG	D	.....	KEGAR	NL	LV	RWKKYKT	NLDYQNIVGRIERH	81	
Bcyanob	Hsp	AFZ44603.1	.....	AKT	..LK	.....	AQG	N	.....	TEAAR	..LT	MI	QAIQLEK	ILPQLKENVENAEKF	80	
Bfirmic	Gthe	AMV09772.1	.....	AEV	AA	.....	QAG	E	.....	MELAE	FA	RR	EQAQYAER	AARLKQLLEQASRE	89	
Eamoeb	Ddis	XP 637438.1	.....	AKE	CS	.....	KAG	K	.....	KNQAL	LA	LK	KKKYQEK	MMLDESFANLQNIIEEL	81	
Eamoeb	Einv	XP 004256843.1	.....	SKQ	CY	.....	INN	D	.....	KEGAT	VH	LK	KKKMYEK	AVSETQNFIIINLESQ	73	
Euuglen	Tbru	XP 011780226.1	.....	ARE	FY	.....	SKK	N	.....	KSMAL	QC	MK	RKKMAED	ELTKIACQKQNLDTL	73	
Eparaba	Tvag	XP 001308534.1	.....	AKA	AM	.....	AKK	N	.....	KKKAL	EC	MK	RKKMYENQ	STKFSQMRDNLEAQ	86	
NAarchae	a13	OLB69573.1	.....	CVK	AL	.....	EVR	D	.....	TQSAT	LF	AN	ECVQIRK	LIKTSLSQISLEQV	89	

logo

Estrame Aano XP 009033281.1	LAKLY	DSMT	Q	99
Ealveol Vbra CEL99851.1	LLQLR	SSMR	T	99
Eviridi Vcar XP 002949072.1	LEQLQ	ANIR	V	99
Bspiroc Tcal AEJ18398.1	VEKLR	ESLK	E	99
Bgemmat Gpho AMW04363.1	TEKLR	QSLR	D	99
Bthermo Tter ACZ42165.1	VDKLR	NELQ	A	99
Bacidob Gmal AEU35097.1	VEGMR	MTYN	K	99
Bdeinoc Tthe BAD69831.1	TEFLM	TQLK	A	99
Bchloro Caur ABY35517.1	VEALQ	QALI	D	99
Bproteo Daut ACN14859.1	AAGLR	TQVS	K	99
Bchloro Ctha ACF15037.1	ADQLQ	AKVQ	K	99
Bbacter Hsp AIZ65498.1	AQQLS	QNVQ	Q	99
Baquifi Aaeo AAC07332.1	AVKLR	AKID	E	99
Bactino Cacn AFU40489.1	EEKLI	RGSQ	R	99
Athauma CNit AFU59479.1	ARKME	EAEK	R	99
Aeuryar Nmag ADD05844.1	QDQLI	DQKD	E	99
Bproteo Afer ACK79767.1	AQKLT	DYES	K	99
Bthermo Mpri AFK05994.1	AVKMR	QMHD	K	99
Bfusoba Lbuc ACV38698.1	ALKMR	EMHD	K	99
Emetazo Hsap NP 001231573.1	STQTK	VMNS	Q	54
Emetazo Bmor XP 004922821.1	SLKITQ	TLKS	Q	95
Eviridi Atha NP 001332586.1	TTHTQ	ALYA	S	94
Bnitros Lfer BAM07649.1	VSEIE	GDLS	K	99
Bproteo Alip CBS85649.1	LSKAN	EDIG	R	99
Bproteo Shal A0066257.1	ITTYQ	EYLD	K	99
Bproteo Bcep ALK18953.1	VDKLR	GQIA	D	99
Bplanct Psp AMV20944.1	RDHMT	CTLH	A	99
Bproteo Maes ANG64508.1	AARLS	RDVT	D	98
Barmati Fgin AIE88136.1	VDQVK	IAIK	R	96
Aasgard CLok OLS16333.1	LEALE	NVMG	K	91
Bcyanob Hsp AFZ44603.1	VQAAK	EQLT	R	90
Bfirmic Gthe AMV09772.1	LFELE	AKYE	E	99
Eamoebos Ddis XP 637438.1	IANVE	QAEI	Q	91
Eamoebos Einv XP 004256843.1	ILEIE	N		79
Eeuglen Tbru XP 011780226.1	IFTLQ	NQTM	N	83
Eparaba Tvag XP 001308534.1	VITLQ	QAFN	Q	96
NAarchae a13 OLB69573.1	LLFLE	HSMG	S	99

logo

										
Estrame	Aano	XP 009033281.1	SD	VG		SSM	DAF	ER	M	144
Ealveol	Vbra	CEL99851.1	GG	LG		TSL	QAF	ER	M	144
Eviridi	Vcar	XP 002949072.1	GG	LR		TSW	AAF	EK	M	144
Bspiroc	Tcal	AEJ18398.1	SN	VT		SAF	EAF	DR	M	144
Bgemmat	Gpho	AMW04363.1	SG	LS		SAF	EAF	AR	M	144
Bthermo	Tter	ACZ42165.1	AQ	LN		DPA	AEL	GR	M	144
Bacidob	Gmal	AEU35097.1	EQ	VA		GRG	PAL	DR	V	144
Bdeinoc	Tthe	BAD69831.1	SR	LD		PAL	EAF	EE	M	144
Bchloro	Caur	ABY35517.1	AS	IG		SAL	DKL	DQ	L	144
Bproteo	Daut	ACN14859.1	AN	ID		STI	AML	EK	M	144
Bchloro	Ctha	ACF15037.1	ST	VD		STI	AML	EK	M	144
Bbacter	Hsp	AIZ65498.1	AQ	LD		GTV	TLL	ER	M	144
Baquifi	Aaeo	AAC07332.1	AK	VD		DTI	AML	ER	M	144
Bactino	Cacn	AFU40489.1	TG	LN		DIG	MAI	TR	A	144
Athauma	CNit	AFU59479.1	TG	IS		DVG	MAM	NR	A	144
Aeuryar	Nmag	ADD05844.1	EE	FE		DVG	RAI	ER	A	144
Bproteo	Afer	ACK79767.1	NG	MN		DAG	DAM	RR	A	144
Bthermo	Mpri	AFK05994.1	SS	AG		GAT	DAV	GR	L	144
Bfusoba	Lbuc	ACV38698.1	AG	PN		GNV	SAF	NA	M	144
Emetazo	Hsap	NP 001231573.1	KT	LQ		TM	QNF	QK	M	87
Emetazo	Bmor	XP 004922821.1	PQ	IQ		KIL	QEF	EK	QS	130
Eviridi	Atha	NP 001332586.1	AQ	LD		ETS	HNL			125
Bnitros	Lfer	BAM07649.1	AE	ID		HIG	SEM	KR	M	144
Bproteo	Alip	CBS85649.1	ER	IN		DAL	SRF	EQ	V	144
Bproteo	Shal	A0066257.1	DK	LD		KAE	EAF	YR		137
Bproteo	Bcep	ALK18953.1	GG	IG		NLS	EDF	QK	L	144
Bplanct	Psp	AMV20944.1		G						116
Bproteo	Maes	ANG64508.1	SS	LR		DLE	TSF	ER	W	143
Barmati	Fgin	AIE88136.1	EG	LT		NQF	EGF	GA	A	141
Aasgard	CLok	OLS16333.1	GD	LE		DIE	EEM	NR		135
Bcyanob	Hsp	AFZ44603.1	NN	ID		SAK	SQF	EA	A	135
Bfirmic	Gthe	AMV09772.1	GD	AG		PAL	AAF	AD	A	144
Eamoeb	Ddis	XP 637438.1	ED	VE			NLM			119
Eamoeb	Einv	XP 004256843.1	KD	LN		SAM	TRL	NK	V	103
Eeuglen	Tbru	XP 011780226.1	NT	MD		ELL	EEM	DK		116
Eparaba	Tvag	XP 001308534.1	EE	NE		EVT	DQL			130
NAarchae	a13	OLB69573.1								110

logo

Estrame Aano XP 009033281.1	KE.....	KVEM.L.....	ETQAE.....	156
Ealveol Vbra CEL99851.1	RE.....	RVEA.L.....	EAKVE.....	156
Eviridi Vcar XP 002949072.1	EE.....	KVAQ.L.....	EAQAA.....	156
Bspiroc Tcal AEJ18398.1	AQ.....	KVDQ.L.....	EAEAD.....	156
Bgemmat Gpho AMW04363.1	EE.....	KITS.N.....	ERQLQ.....	156
Bthermo Tter ACZ42165.1	EE.....	RIRL.E.....	EAAAE.....	156
Bacidob Gmal AEU35097.1	KA.....	RIQS.A.....	EAHNY.....	156
Bdeinoc Tthe BAD69831.1	EA.....	RILA.M.....	EDRHQ.....	156
Bchloro Caur ABY35517.1	EE.....	KVDD.R.....	LARAE.....	156
Bproteo Daut ACN14859.1	KA.....	KVEE.D.....	ESLAQ.....	156
Bchloro Ctha ACF15037.1	KD.....	KVKE.E.....	ESLAE.....	156
Bbacter Hsp AIZ65498.1	KE.....	KVAT.E.....	EALAE.....	156
Baquifi Aaeo AAC07332.1	KE.....	KVEE.E.....	ETLAQ.....	156
Bactino Cactn AFU40489.1	ED.....	KTME.L.....	QARAG.....	156
Athauma CNit AFU59479.1	EE.....	KTES.M.....	RAKAQ.....	156
Aeuryar Nmag ADD05844.1	EE.....	QTED.M.....	EARAA.....	156
Bproteo Afer ACK79767.1	QD.....	RTRQ.M.....	EAKAV.....	156
Bthermo Mpri AFK05994.1	EE.....	KAKK.M.....	LD EAN.....	156
Bfusoba Lbuc ACV38698.1	EE.....	KANR.M.....	EANAK.....	156
Emetazo Hsap NP 001231573.1	K.....	ME.....	MTE.....	93
Emetazo Bmor XP 004922821.1	E.....	IMDM.....	K.....	136
Eviridi Atha NP 001332586.1	KS.....	L.....	.....	128
Bnitros Lfer BAM07649.1	TD.....	KIDM.M.....	EAQAA.....	156
Bproteo Alip CBS85649.1	ER.....	NLDE.M.....	EGRVE.....	156
Bproteo Shal A0066257.1	.....	V.....	MGD.....	141
Bproteo Bcep ALK18953.1	ED.....	KVAL.Q.....	NARSD.....	156
Bplanct Psp AMV20944.1	.....	VE.....	EPV.....	121
Bproteo Maes ANG64508.1	DV.....	RLSE.Q.....	ELRMG.....	155
Barmati Fgin AIE88136.1	QE.....	RIRE.A.....	QSEAA.....	153
Aasgard CLok OLS16333.1	.....	L.....	EADLL.....	141
Bcyanob Hsp AFZ44603.1	KE.....	AVSD.R.....	QAEVQ.....	147
Bfirmic Gthe AMV09772.1	EV.....	YLDL.L.....	ERQVR.....	156
Eamoeba Ddis XP 637438.1	.....	EET.....	AE.....	124
Eamoeba Einv XP 004256843.1	DV.....	KVEE.M.....	Y.....	111
Eeuglen Tbru XP 011780226.1	.....	V.....	NA.....	119
Eparaba Tvag XP 001308534.1	.....	.....	NE.....	132
NAarchae a13 OLB69573.1	.....	.....	.....	110

logo



Estrame Aano XP 009033281.1	VSG	QLQF	163
Ealveol Vbra CEL99851.1	VSR	QMSE	163
Eviridi Vcar XP 002949072.1	TAQ	ALVA	163
Bspiroc Tcal AEJ18398.1	AAK	EL ED	163
Bgemmat Gpho AMW04363.1	AAQ	EIDE	163
Bthermo Tter ACZ42165.1	AEA	ELSA	163
Bacidob Gmal AEU35097.1	AGK	QMLE	163
Bdeinoc Tthe BAD69831.1	ALE	TLDQ	163
Bchloro Caur ABY35517.1	AMA	KLEG	163
Bproteo Daut ACN14859.1	AYG	EVAA	163
Bchloro Ctha ACF15037.1	AYG	QIDD	163
Bbacter Hsp AIZ65498.1	SYG	ALES	163
Baquifi Aaeo AAC07332.1	AYE	ELAK	163
Bactino Cacn AFU40489.1	AMD	ELIA	163
Athauma CNit AFU59479.1	ALD	EMIN	163
Aeuryar Nmag ADD05844.1	ALD	ELHE	163
Bproteo Afer ACK79767.1	AMD	GLMA	163
Bthermo Mpri AFK05994.1	AMA	ELNT	163
Bfusoba Lbuc ACV38698.1	MEL	NMPK	163
Emetazo Hsap NP 001231573.1		EMIN	97
Emetazo Bmor XP 004922821.1		EEMN	141
Eviridi Atha NP 001332586.1			128
Bnitros Lfer BAM07649.1	ATR	ELAD	163
Bproteo Alip CBS85649.1	AYD	GRTK	163
Bproteo Shal A0066257.1		ELRE	145
Bproteo Bcep ALK18953.1	ARL	NSAD	163
Bplanct Psp AMV20944.1		GA	123
Bproteo Maes ANG64508.1	DIS	LED	161
Barmati Fgin AIE88136.1	ARQ	EMMG	160
Aasgard CLok OLS16333.1	LED	ESIE	148
Bcyanob Hsp AFZ44603.1	ALY	EMSK	154
Bfirmic Gthe AMV09772.1		SD	158
Eamoebos Ddis XP 637438.1	AIQ	DI SE	131
Eamoebos Einv XP 004256843.1		SLHE . K	116
Eeuglen Tbru XP 011780226.1	VSE	ALRQ	126
Eparaba Tvag XP 001308534.1		MTD	135
NAarchae a13 OLB69573.1			110

logo

Estrame	Aano	XP	009033281.1			D	M	E	S		K		168
Ealveol	Vbra	CEL	99851.1			S	L	E	E		Q		168
Eviridi	Vcar	XP	002949072.1			S	L	E	R		Q		168
Bspiroc	Tcal	AEJ	18398.1			N	L	E	K		R		168
Bgemmat	Gpho	AMW	04363.1			R	L	A	G		E		168
Bthermo	Tter	ACZ	42165.1			S	L	D	E		Q		168
Bacidob	Gmal	AEU	35097.1			T	L	E	D		D		168
Bdeinoc	Tthe	BAD	69831.1			D	L	E	K		E		168
Bchloro	Caur	ABY	35517.1			S	L	E	A		R		168
Bproteo	Daut	ACN	14859.1			G	I	D	S		E		168
Bchloro	Ctha	ACF	15037.1			G	V	D	E		Q		168
Bbacter	Hsp	AIZ	65498.1			T	L	D	Q		E		168
Baquifi	Aaeo	AAC	07332.1			E	A	E	K		K		168
Bactino	Cacn	AFU	40489.1			D	L	T	R		E		168
Athauma	CNit	AFU	59479.1			E	T	E	R		E		168
Aeuryar	Nmag	ADD	05844.1			K	I	D	R		E		168
Bproteo	Afer	ACK	79767.1			Q	T	E	K		E		168
Bthermo	Mpri	AFK	05994.1			E	P	T	D		K		168
Bfusoba	Lbuc	ACV	38698.1			G	I	D	D		L		168
Emetazo	Hsap	NP	001231573.1			T	L	D	D		I		102
Emetazo	Bmor	XP	004922821.1		D	S	L	D	E		A		147
Eviridi	Atha	NP	001332586.1			L	I	Y	P		T		132
Bnitros	Lfer	BAM	07649.1			D	L	D	T		A		168
Bproteo	Alip	CBS	85649.1			S	L	T	E		E		168
Bproteo	Shal	A00	66257.1			D	T	S	K		E		150
Bproteo	Bcep	ALK	18953.1			A	L	D	D		K		168
Bplanct	Psp	AMV	20944.1			L	I	S					125
Bproteo	Maes	ANG	64508.1			N	L	D	Q		A		166
Barmati	Fgin	AIE	88136.1			S	L	Q	G		R		165
Aasgard	CLok	OLS	16333.1			E	T	E	E		E		153
Bcyanob	Hsp	AFZ	44603.1			S	L	D	E		K		159
Bfirmic	Gthe	AMV	09772.1								R		159
Eamoebo	Ddis	XP	637438.1			A	L	S	G		K		136
Eamoebo	Einv	XP	004256843.1			S	A	E					119
Eeuglen	Tbru	XP	011780226.1			P	L	D	A		Q		131
Eparaba	Tvag	XP	001308534.1			I	L	A	Q		P		140
NAarchae	a13	OLB	69573.1			L	E	G			K		114

logo



Estrame	Aano	XP	009033281.1	.....	FKA	.....	171
Ealveol	Vbra	CEL	99851.1	.....	FLS	.....	171
Eviridi	Vcar	XP	002949072.1	.....	FAA	.....	171
Bspiroc	Tcal	AEJ	18398.1	.....	FAA	.....	171
Bgemmat	Gpho	AMW	04363.1	.....	FKQ	.....	171
Bthermo	Tter	ACZ	42165.1	.....	FAA	.....	171
Bacidob	Gmal	AEU	35097.1	.....	FAK	.....	171
Bdeinoc	Tthe	BAD	69831.1	.....	FQA	.....	171
Bchloro	Caur	ABY	35517.1	.....	FRD	.....	171
Bproteo	Daut	ACN	14859.1	.....	IDN	.....	171
Bchloro	Ctha	ACF	15037.1	.....	INK	.....	171
Bbacter	Hsp	AIZ	65498.1	.....	IDK	.....	171
Baquifi	Aaeo	AAC	07332.1	.....	LKE	.....	171
Bactino	Cacn	AFU	40489.1	.....	LDS	.....	171
Athauma	CNit	AFU	59479.1	.....	LEK	.....	171
Aeuryar	Nmag	ADD	05844.1	.....	LED	.....	171
Bproteo	Afer	ACK	79767.1	.....	LDE	.....	171
Bthermo	Mpri	AFK	05994.1	.....	AKA	.....	171
Bfusoba	Lbuc	ACV	38698.1	.....	MKK	.....	171
Emetazo	Hsap	NP	001231573.1	.....	FDG	.....	105
Emetazo	Bmor	XP	004922821.1	.....	MEG	.....	150
Eviridi	Atha	NP	001332586.1	.....	S	.....	133
Bnitros	Lfer	BAM	07649.1	.....	FRE	.....	171
Bproteo	Alip	CBS	85649.1	.....	IAE	.....	171
Bproteo	Shal	A00	66257.1	.....	LDE	.....	153
Bproteo	Bcep	ALK	18953.1	.....	LAA	.....	171
Bplanct	Psp	AMV	20944.1	.....		.....	125
Bproteo	Maes	ANG	64508.1	.....	FSR	.....	169
Barmati	Fgin	AIE	88136.1	.....	VMS	.....	168
Aasgard	CLok	OLS	16333.1	.....	VDQ	.....	156
Bcyanob	Hsp	AFZ	44603.1	.....	MDN	.....	162
Bfirmic	Gthe	AMV	09772.1	.....		.....	159
Eamoebo	Ddis	XP	637438.1	.....	FSK	.....	139
Eamoebo	Einv	XP	004256843.1	.....	LGD	.....	122
Eeuglen	Tbru	XP	011780226.1	.....	VVD	.....	134
Eparaba	Tvag	XP	001308534.1	.....	GADAA	.....	145
NAarchae	a13	OLB	69573.1	.....	LPE	.....	117



- X external
- X ambivalent
- X internal