

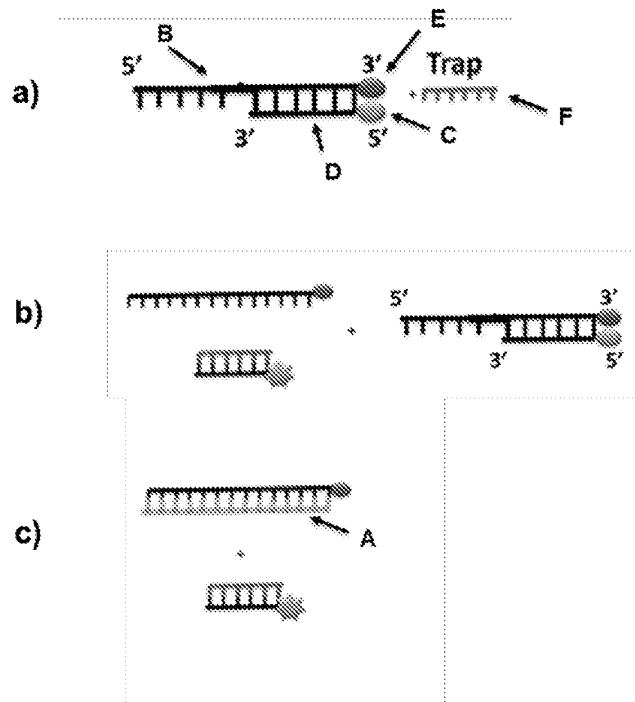


图 1

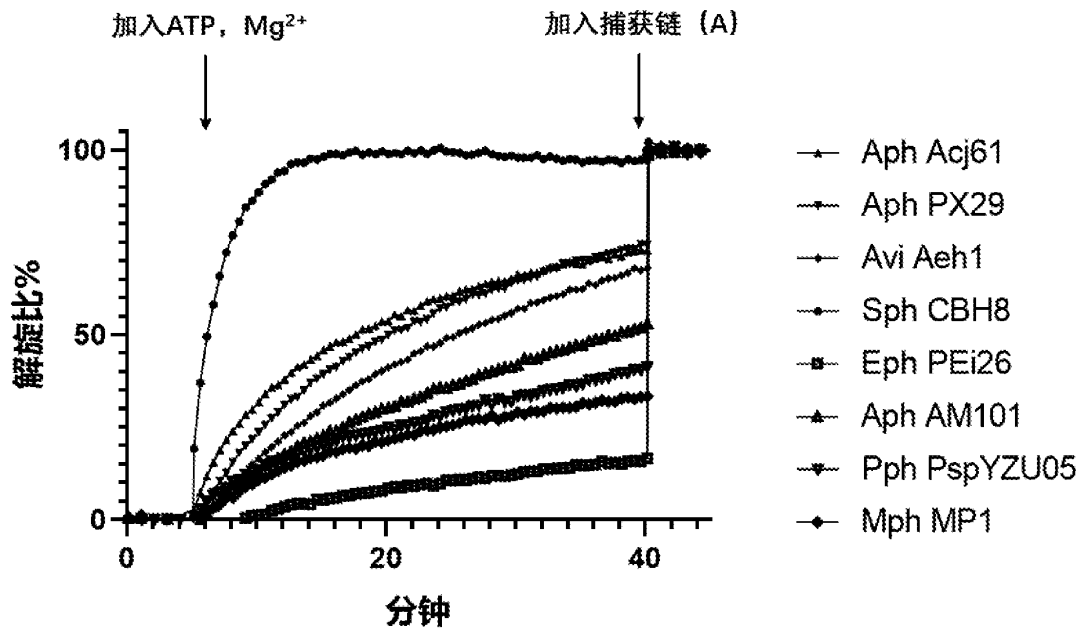


图 2

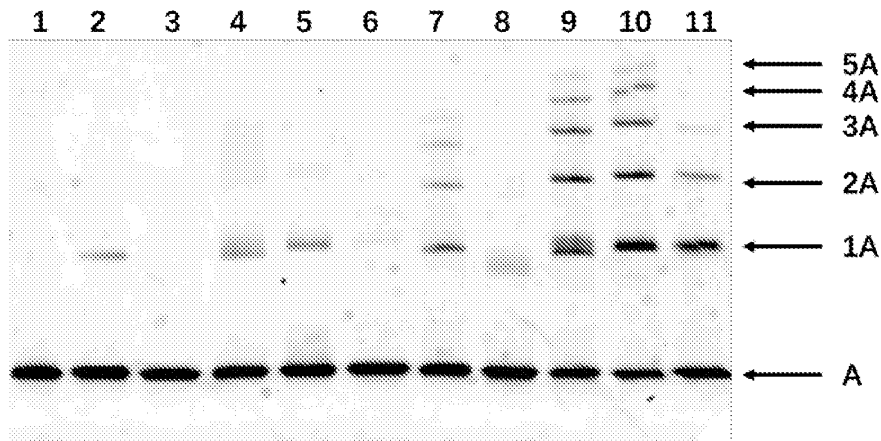


图 3

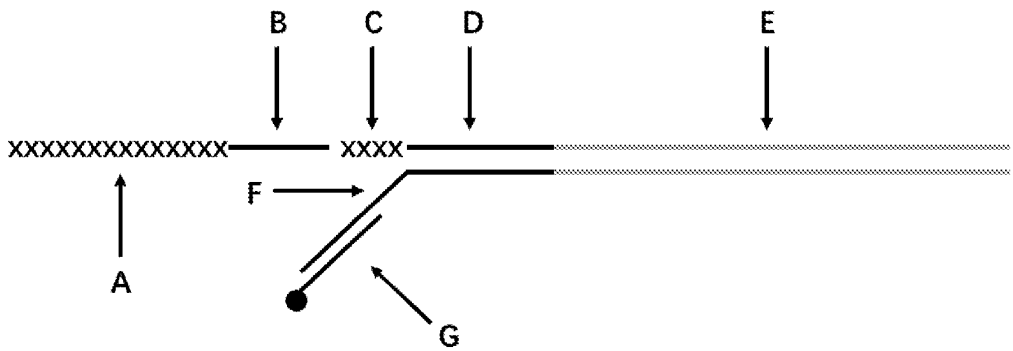


图 4

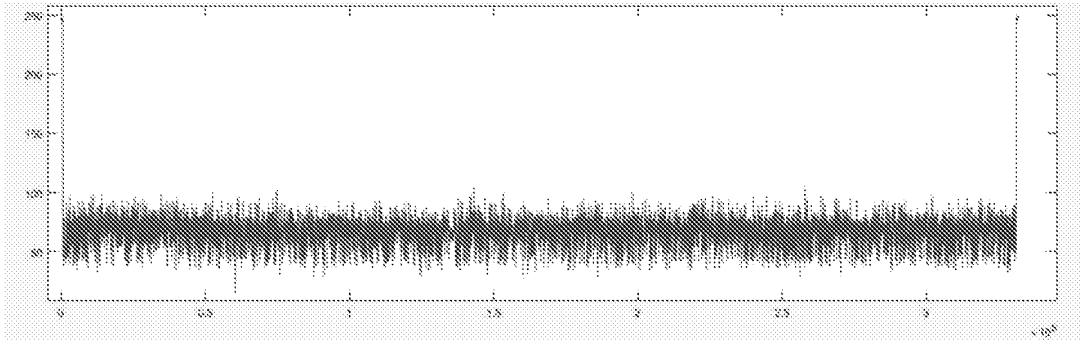


图 5

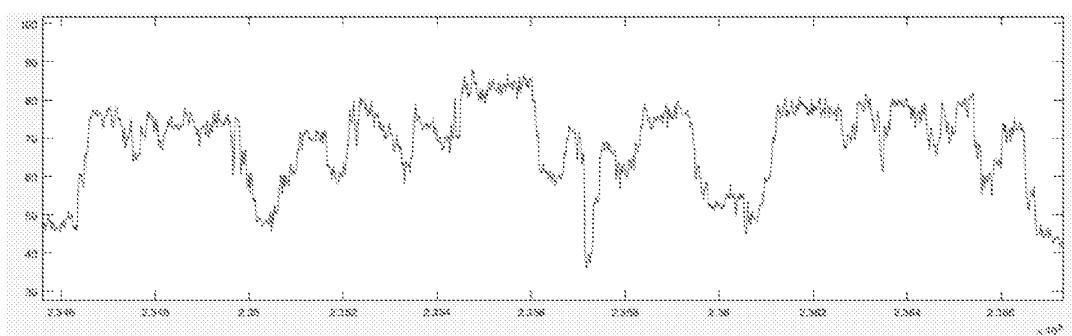


图 6

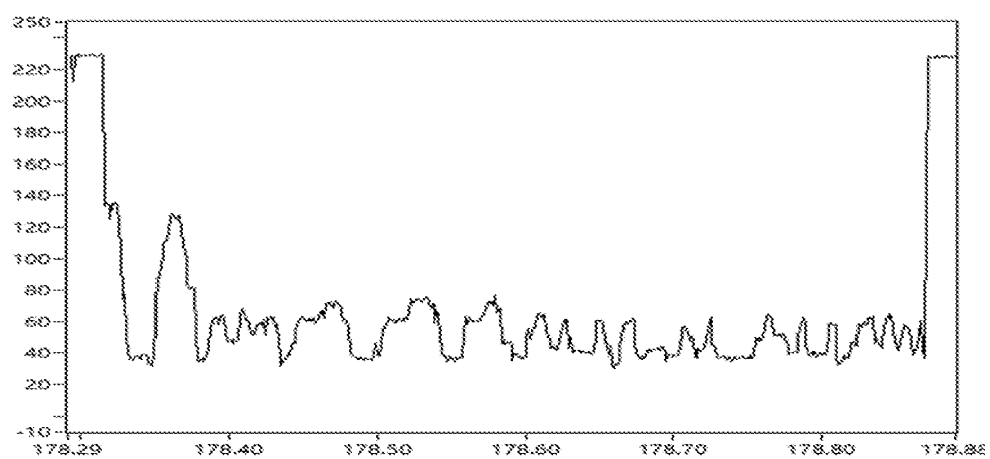


图 7

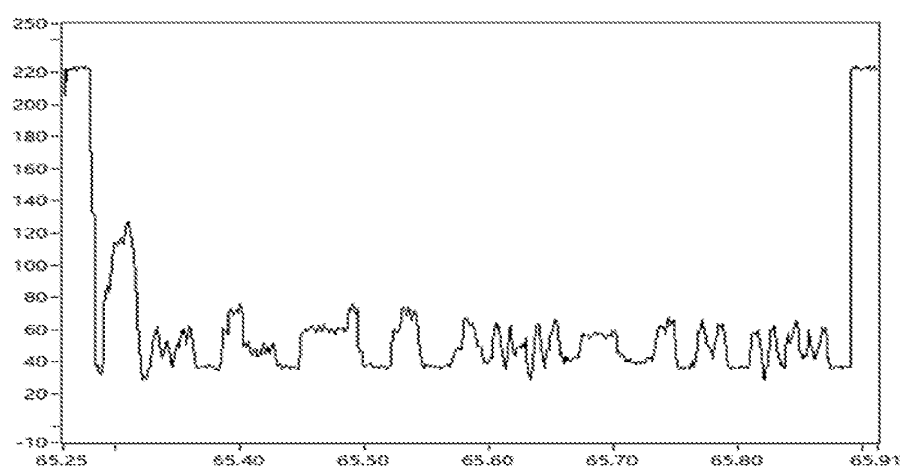


图 8

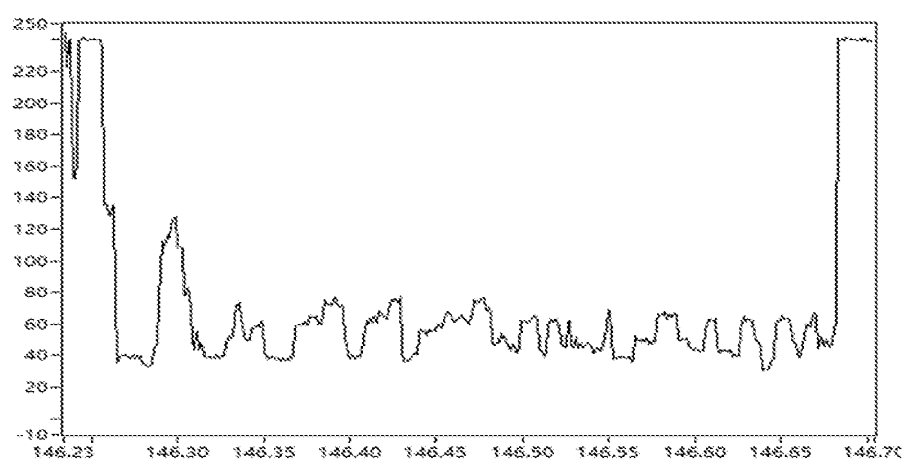


图 9

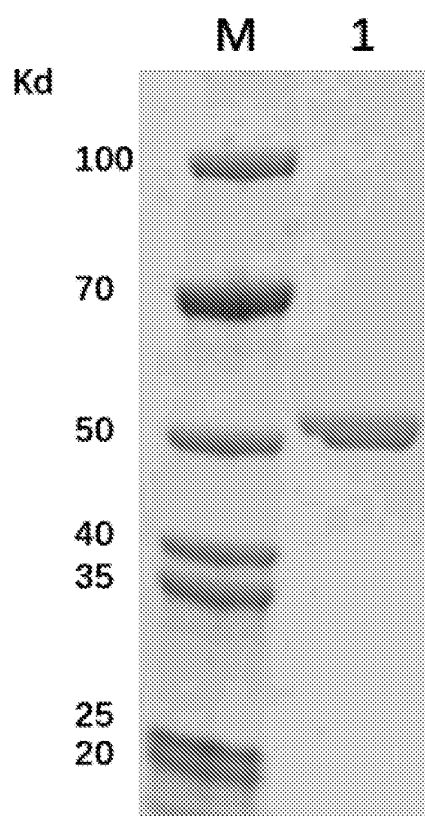


图 10

	1	10	20	30	40
Sph-CBH8	MNFDDLTG	GGKGAFAEIVIEA	IRTKK.....	HHVMINGPACTG	CKTTMT
Eph-EcS1	MKFEDLTG	GKSAFADVIEA	IRTKK.....	HHVMINGPACTG	CKTTMT
Pba-PM2	MSLVFEDLTG	GKGAFAFNRIIE	VVKRRSG.....	GRITLNGPACTG	CKTTLT
Eph-Pei26	MSQEVTFESL	NGGKGAFAFII	FEAIQRNG.....	ERLTLNGPACTG	CKTTLT
Eph-Cronus2	MTIGFDOLTG	GKGAFAETAVE	LVNSKR.....	KHMTLNGPACTG	CKTTWT
PphPspYZU05	MVIITFDOLT	GKGLAFNEVVD	AIKTQNLNLRA		DTKTHITINGE
Aph-Acj61	MTDLQFDDLT	GQQAFAFNAAL	AMNTKG.....	QHITINGPACTG	CKTTLT
Aph-AM101	MNDLKLLEDL	NGGKGAFAF	DAIKVISTKEMN	ATTSSCEVKPH	ITINGPACTG
Mph-MP1	MITIDQLTEG	QFDSLQRAKVL	IGRAIKNDGNWN	HKTEHLTINGP	ACTGKTTMM
Aph-PX29	MSEASSLLAKIV	LTDCCKNAIGM	VLSOR.....	SHITISGPA	SGSKSFLT
Avi-Aeh1	MSEASSLLAKII	LTDCCKNAIDA	VLTK.....	KHITISGPA	SGSKSFLT
	50	60	70	80	90
Sph-CBH8	KFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Eph-EcS1	KFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Pba-PM2	KFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Eph-Pei26	KFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Eph-Cronus2	RFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
PphPspYZU05	KFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Aph-Acj61	KFIIDHLVRNGEL	GIMLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Aph-AM101	RFLINHLISSEGE	NGVLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Mph-MP1	KFLVSNLREDEGI	TGVALAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Aph-PX29	KILIKKLLLEINNG	SVVLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
Avi-Aeh1	KILIKKLLLEINNG	SVVLAAPTHQAKK	VLSKLSGHEA	ATIHSLKISPTT	YEESIFEQ..
	110	120	130	140	150
Sph-CBH8	..KEMPDLLAKCRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Eph-EcS1	..KEMPDLLAKCRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Pba-PM2	..REMPPDLAKCRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Eph-Pei26	..REMPPDLAKCRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Eph-Cronus2	..KEMPDLLAKCRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
PphPspYZU05	..REMPPDLAKCRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Aph-Acj61	..SDVPPDLSECRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Aph-AM101	..SDVPPDLSECRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Mph-MP1	..SAPPPDLSECRV	LCDDEGSMYDGA	LFRILMNTIP	SHCTIVIGIGDE	EQLRPVSPG.DSLP
Aph-PX29	SDKAKEDDLKEVRY	LLVDEGSMVDND	LFILLKSVHP	FCQIIAIGDKKH	QIQPVPHA...PG
Avi-Aeh1	SDKAKEDDLKEVRY	LLVDEGSMVDND	LFILLKSVHP	FCQIIAIGDKKH	QIQPVPHA...PG
	160	170	180	190	200
Sph-CBH8	SKSPFFSDHRRFQV	ILTEVVRNSNG..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Eph-EcS1	SKSPFFSDHRRFQV	ILTEVVRNSNG..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Pba-PM2	LISPPFTTHPSFQV	ILTEVVRNSNG..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Eph-Pei26	QISPPFTTHPSFQV	ILTEVVRNSNG..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Eph-Cronus2	QISPPFTTHPSFQV	ILTEVVRNSNG..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
PphPspYZU05	QISPPFTTHPSFQV	ILTEVVRNSNG..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Aph-Acj61	EVSAPFFLNEKFEQ	VALTEVVRNSNA..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Aph-AM101	ELSAFFLNDKFEQ	VALTEVVRNSNA..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Mph-MP1	ELSAFFLNDKFEQ	VALTEVVRNSNA..	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Aph-PX29	EISPPFTDQRFEL	ALRTIVRQAGNP	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..
Avi-Aeh1	EISPPFTDQRFEL	ALRTIVRQAGNP	PIIEVATEIRNG	CGWFRECIED..	GGCFHGFNGE..

图 11A

	220	230	240	250	260	270
Sph-CBH8	..RPLQQYMMK	YFVVVKSPE	DLFETRM	LAYTNKSV	DKLNGIT	IRRKLYET
Eph-EcS1	..KPLQQYMMK	YFVVVKSPE	DLFETRM	LAYTNKSV	DKLNGIT	IRRKLYET
Pba-PM2	..TALKDYMT	YFVVVKKDAD	DLFETRM	LAYTNKSV	DKLNGIT	IRRKLYET
Eph-Pei26	..TALKDYMT	YFVVVKTPE	DLFETRM	LAYTNKSV	DKLNGIT	IRRKLYET
Eph-Cronus2	..SALKDFF	FGYFEDTV	RKPEDLF	ENRMCAY	TNESVN	KLNSTIR
PphPspYZU05	DIPSLRW	FLKSYF	YFVVVKTPE	DLFETRM	LAYTNKSV	DKLNGIT
Aph-Acj61	G.GSVAN	FMKYF	ELIVKTP	EDLFENR	MLAYTNKSV	DKLNGIT
Aph-AM101	G.GSVAN	FLTKYF	ELIVKTP	EDLFENR	MLAYTNKSV	DKLNGIT
Mph-MP1	..KSVSE	FMTNYF	KVVVKS	ISIDLY	ETRM	LAYTNKSV
Aph-PX29	..KSVAN	LMKIY	LSKVKT	PDDLLN	YRMLAY	TNDVNV
Avi-Aeh1	..KTI	IAKMMQ	YFSSKV	KTPEDL	LNRYR	MLAYTN

	280	290	300	310	320
Sph-CBH8	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Eph-EcS1	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Pba-PM2	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Eph-Pei26	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Eph-Cronus2	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
PphPspYZU05	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Aph-Acj61	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Aph-AM101	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Mph-MP1	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Aph-PX29	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL
Avi-Aeh1	MQEPYMK	SLEFDCK	KFNFI	IFNNGQ	VRIL

	330	340	350	360	370	380
Sph-CBH8	ETVDE	.D..DDYQ	RETIKV	LADANE	KQKQF	DMFLAK
Eph-EcS1	ETVDE	.D..DDYQ	RETIKV	LADANE	KQKQF	DMFLAK
Pba-PM2	ETAED	.D..DEYR	VDVIEF	LPADQ	VEKNYF	FLAKT
Eph-Pei26	ETIDP	.D..DEYK	IEVIEF	LPADQ	VEKNYF	FLAKT
Eph-Cronus2	ETIDA	.E..DEYF	REQICV	LSDEN	ENIKY	YFFLAK
PphPspYZU05	ETADKNI	..DEYH	LKDLH	IVDE	EGSS	LVLEFL
Aph-Acj61	RALET	...D	VVDS	LCVIE	DERQ	MIQHY
Aph-AM101	RGVDS	...D	AVDM	IKVIE	DEQ	ELNKFQ
Mph-MP1	KSIDT	...G	ESGL	INTI	ISD	KNELN
Aph-PX29	NEVDLT	E..ID	NDLE	VELS	VVD	DADG
Avi-Aeh1	QETD	VTON	VDG	DKEVE	TSVV	WDASS

	390	400	410	420	430	440
Sph-CBH8	RTFLK	VKA	LP	STIHK	SQGI	SVN
Eph-EcS1	RTFLK	VKA	LP	STIHK	SQGI	SVN
Pba-PM2	RTFLK	VKA	LP	STIHK	SQGI	SVN
Eph-Pei26	RTFLK	VKA	LP	STIHK	SQGI	SVN
Eph-Cronus2	RAFIK	VKA	LP	STIHK	SQGI	SVN
PphPspYZU05	ERYIS	VKA	LP	STIHK	SQGI	SVN
Aph-Acj61	KEFH	VKA	LP	STIHK	SQGI	SVN
Aph-AM101	AQFH	VKA	LP	STIHK	SQGI	SVN
Mph-MP1	NNYH	RVK	LP	STIHK	SQGI	SVN
Aph-PX29	GMFT	NTK	SLG	STIHK	SQGI	SVN
Avi-Aeh1	GMFT	NTK	SLG	STIHK	SQGI	SVN

图 11B