

. *.:**.*** ***.**.*.***.*****.***** * .***

Bipectinate	TRGAQIVLVSTWISGILLASPLAFYRSYRVRVWKNFTEYCKENTVVLPKYWYVLLITILV	202
Ananassae	MRGAQIVVVSTWISGILLASPLAFYRSYKVRVWKNFTEYCKENTAVLPKYWYVLLITILV	202
Serrata	VRGAQIVVVCTWFLGILLASPLALYRSYRVRVWKNFTEYCKENTSILPKYWYVLLITILV	231
Kikkawei	VRGAQIVVVCTWILGILLASPLALYRGRVVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Erecta	TRGVQIVVVCTWLSGILLASPLAFYRSYKVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Melanogaster	IRGVQIVVVCTWVSGILLASPLAFYRSYRVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Sechellia	IRGVQIVVVCTWVSGILLASPLAFYRSYRVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Simulans	IRGVQIVVVCTWVSGILLASPLAFYRSYRVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Mauritania	IRGVQIVVVCTWVSGILLASPLAFYRSYRVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Fichsuphila	VRGAQIVVVCTWVLGILLASPLALYRVRVVRVWKNFTEYCKENTVVLPKYWYVLLITILV	202
Rhopalao	VRGAQIVVVCTWVLGILLASPLALYRVRVVRVWKNFTEYCKENTVVLPKYWYVLLITILV	202
Elegans	VRGAQIVVVCTWVLGILLASPLALYRVRVVRVWKNFTEYCKENTVVLPKYWYVLLITILV	202
Biarmipes	VRGVQIVVVCTWLLGILLASPLAIYRVRVRIWKNFTEYCKENTSILPKYWYVLLITILV	202
Eugracilis	IRGVQIVVVCTWILGILLASPLALYRSYRVRVWKNFTEYCKENTSILPKYWYVLLITILV	202
Suzuki	VRGVQIVVVCTWILGILFASPLALYRVRVRIWKNFTEYCKENTSILPKYWYVLLITILV	202
Takahashi	VRGVQIVVVCTWVLGILLASPLALYRVRVRIWKNFTEYCKENTSILPKYWYVLLITILV	240
Grimshawi	LRAAKIVIFCTWLAGVLLALPLAIYRDRVVRVWRNFTERYCKENINVLPKYWYVLLITVLV	195
Mojavensis	LHGAKIVIACTWLTGLLLALPLAIYREYRVRVWRNFTERYCKENTVVLPKYWYVLLITVLV	203
Virilism	LCCGARIVIAGTWLAGLLALPLAIYRQYRVRVWRNFTERYCKENMTVLPKWYVLLITVLV	203
	..:.*: **.*:*:* ***:** :*:**:*:***** :*****:***	

Bipectinate	WLPLGIMLICYIAIFYKLDREYKRLRSRENPLTVSYKRSVAKTLFIVVVVFAALRLPFTI	262
Ananassae	WLPLGIMLICYIAIFYKLDREYKRLRSRENPLTVSYKRSVAKTLFIVVVVFAALRLPFTI	262
Serrata	WLPLGIMLICYIAIFYKLDREYKRLRSRENPIQVSYKRSVAKTLFIVVVVAVLRLPFTI	291
Kikkawei	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLQVSYKRSVAKTLFIVVVVFAVLRPFTI	262
Erecta	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVFAALRLPFTI	262
Melanogaster	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVFAALRLPFTI	262
Sechellia	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVAVFAALRLPFTI	262
Simulans	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVAVFAALRLPFTI	262
Mauritania	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVAVFAALRLPFTI	262
Fichsuphila	WLPLGIMLICYAGIFYKLDREYKRVLSRENPLSVSYKRCVAKTLFIVVVVFAVLRPFTI	262
Rhopalao	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVFAVLRPFTI	262
Elegans	WLPLGIMLICYIAIFYKLDREYKRVLRRENPLTVSYKRSVAKTLFIVVVVFAVLRPFTI	262
Biarmipes	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVFAALRLPFTI	262
Eugracilis	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVFAVLRPFTI	262
Suzuki	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVFAALRLPFTI	262
Takahashi	WLPLGIMLICYIAIFYKLDREYKRVLSRENPLSVSYKRSVAKTLFIVVVVFAVLRPFTI	300
Grimshawi	WLPLGIMLICYTAIFIKLDREYKRVLSRENPLSVNYKRSVAKTLFIVVIVFGVLRPFTI	255
Mojavensis	WLPLSIMLICYTAIFIKLDREYKRVLSRENPLTVSYKRSVAKTLFIVVVVAVLRPFTI	263
Virilism	WLPLGIMLICYTAIFVKLDREYKRVLSRENPLSVRYKRSVAKTLFIVVIVFVLLRLPFTI	263
	.** .* *****: ***: * ***.***** * *****	

Bipectinate	LVVLRKYYDEDISVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYNQISWVRR	322
Ananassae	LVVLRKYYDEDISVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYNQISWVRR	322
Serrata	LVVLRKYYFAEDISVSNXQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	351
Kikkawei	LVVLRKYYAEDISVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Erecta	LVVLRKYYFGEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Melanogaster	LVVLRKYYFGEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Sechellia	LVVLRKYYFGEEVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Simulans	LVVLRKYYFGEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Mauritania	LVVLRKYYFGEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Fichsuphila	LVVLRKYYFDEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVQR	322
Rhopalao	LVVLRKYYFDEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYNQISWVRR	322
Elegans	LVVLRKYYFAADVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Biarmipes	LVVLRKYYFDEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYHQISWVRR	322
Eugracilis	LVVLRKYYFDEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Suzuki	LVVLRKYYFGEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	322
Takahashi	LVVLRKYYFDEDVSVSSGMQLFWYISQYLMFLNAAVNPLIYGFNNENFRAYYQISWVRR	360
Grimshawi	FVVLRKYYNTEVSVDSAMQYFSYFSQYLMFLNAAVNPLIYGFNNENFRAYAEMSCVKR	315
Mojavensis	FVVQREKYYKTAESVGCQTQYFSYFSQYLMFLNAAVNPIVYGFNNENFRAYAQIGWVKR	323
Virilism	FVVLRKYYSTESSVDCGMQYFSYFSQYLMFLNAAVNPIYGFNNENFRAYAQIACMQK	323
	:** ***: ** . : * *.*:***:***:***:***:***:***:***:***:***:***	

Bipectinate	CRETTLRRESNPEDHCCYCAFMMKGGKASIKKAVEPQQPKTVEVDLSRELSTESYPTTKA	382
Ananassae	CRETTLRKESDPEDHCCYCAFMMKGGKAAVKNAAEFPKQPKTAEVE-S TELSTES YPTTKT	381
Serrata	CRDAAKM SKISDSS QHCCYCAFMMKNGK-LKKPEGATQPKDSVNEVDSQEMITEGPTAACS	410
Kikkawei	CREAAKMKSSDTSQHCCYCAFMMKGGKSVKPKQGTQSPENVDKGESLEFTTEGPTACS	382
Erecta	WREAAKMKVSKTSNHCCYCAFMRKGR--SPE-AAQQAGTVKGDVSKDISSEKES-AKS	378
Melanogaster	WRDATQMKKFSRSPDHCCYCAFMMKNGK--TSE-AAQKAGNLEKDISKDMSSAQQS-AKS	378

Sechellia	WRDAAKMKKVSGRNHCCYCAFMMKGGK--T-----QQAGNLERDISKMSSEQQS-AKS	374
Simulans	WRDAAKMKKVSSTNHCCYCAFMMKGGK--T-----QQAGNLERDISKMSSEQQS-AKS	374
Mauritania	WRDAAKMKKVSSTNHCCYCAFMMKGGK--T-----QQAGNLERDISKMSSEQPS-AKS	374
Fichsuphila	CRNAAKMTKESKTPSHCCYCAFMMKGGK--KAE-EPERPGNVGEDVVGKTLSTGEPT-AKS	378
Rhopaloo	CREAAKMKKVSSTNHCCYCNFMKGGK--KAE-APQEPEKVEEDMSKDLSSSEKPT-AES	378
Elegans	WRAAGMKKVSSTNHCCYCAFMMKGGK--KME-EPQQPKNVEEDMSKDISSEEA-ART	378
Biarmipes	CREAAKMKKISGTSKHCCYCDFIKRGA--KADGQAQQTGDVERDLSDLSSTEVPT-AKS	379
Eugracilis	WKDASKMKKASG-SKHCCYCAFMMKGGK--KAE-EPQQPANVDKDLSDISSEET-AKT	377
Suzuki	WREAAKMKKLSGKSKHCCYCDFMKGK--KTD-EPHQSGNVERDMSKELSTEEPT-AKS	378
Takahashi	WKDAAKMKKRSVTSKHCCYCAFMMKGGK--KTE-EPQQPGNVERDMSNDMSTEEPT-AKS	416
Grimshawi	RRA-K-----GNRVHCCYCDFIKKNNKQTEANANAESKSAKESQSAETAETKR-LQE	368
Mojavensis	RRAAS-----ANRAHCCYCDFVKNRNGA-----VVTADQNLNKEISQSAVEETKN-LEE	372
Virilism	RRAAN-----ANRIHCLYCDFIQNNKSG-----QANAEQRSKESQSAARETKK-LGA	372
	: . : * * * : . . :	

Bipectinate	TERIRDEPGDNLVPEIEADGFI	404
Ananassae	TERIRDEPGDSLVPDIEADGFI	403
Serrata	TEIVREEPGDIQVPEVDADGFI	432
Kikkawei	TERIREDDQDMQVPEVDADGFI	404
Erecta	TKIMENDPTGLLVSEIEADGFI	400
Melanogaster	TKIVENE---FVSEIEADGFI	396
Sechellia	TKIVQNEPT-ILVSEIGADGFI	395
Simulans	TKIVQNEPTDLLVSEMGADGFI	396
Mauritania	SKIVKNEPTDLLVSEIGADGFI	396
Fichsuphila	TERARDDRAEQLVSEIEAEGFI	400
Rhopaloo	TETIRDEPADLLVSEIEANGFI	400
Elegans	TEGSRDDAADVLSSEIEADGYI	400
Biarmipes	TERIQDDRADILPSEVEVDGYI	401
Eugracilis	TERIRDDPADSLAPEIEADGFI	399
Suzuki	TKRIRDDPTDLLATEIEADGFI	400
Takahashi	TERIQDDLDSVAGSIEADGFI	438
Grimshawi	TSNLDGSVEDTLVAQIDGEGFI	390
Mojavensis	TTDNLSIAKESLVTRLNSDGFII	394
Virilism	TSN----IDETLMPQLKGEFI	390

Melanogaster [NP_724812.2](#)

```

1 masvssdddf dfgkwdfpae riwlhkpnge itwkictflp liafglygnf smvyiatnr
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
  121 nlsvvsydr1 taivlpmetr ltirgvqivv vctwvsgill asplafyrsy rrvvwknfte
  181 ryckentsvl pkywyvliti lwlplgiml icyiaifykl dryekrvlslr enpltvsykr
  241 svaktlfivv vvfaaalrpf tilvvlreky fgedvsvssg mqlfwyisqy lmflnaavn
  301 liygfnnenf rrayyqiswv rrrwrdatqmk kfsrspdhcc ycafmkngkr tseaaqkagn
  361 lekdiskdms saqqsakstk ivenefvsei eadgfi

```

Simulans [XP_002080785.2](#)

```

1 masvsssgdf dfgkwdfpae riwlhkpnge itwkictflp liafglygnf tmllyiatnr
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
  121 nlsvvsydr1 taivlpmetr ltirgvqivv vctwvsgill asplafyrsy rrvvwknfte
  181 ryckentsvl pkywyvliti lwlplgiml icyiaifykl dryekrvlslr enpltvsykr
  241 svaktlfivv vvfaaalrpf tilvvlreky fgedvsvssg mqlfwyisqy lmflnaavn
  301 liygfnnenf rrayyqiswv rrrwrdaakmk kvsgstnhcc ycafmkngkr tqqagnlerd
  361 iskdmsseqq sakstktivqn eptdllvsem gadgfi

```

Suzuki [XP_016928738.1](#)

```

1 mttllssnef dfgkwdfpae riwlhksnge itwkictfvp liafglygnf tmvyliaaer
  61 slrsptnlii anmavadllt laicpamfml ndfyqnyqlg yvgckmegfl vvvflitavl
  121 nlsvvsydr1 taivlpmetr ltrgvqivv vctwilgilf asplalyray rvriwknfte
  181 ryckentsil pkywyvliti lwlplgiml icyiaifykl dryekrvlslr enpltvsykr
  241 svaktlfivv vvfaaalrpf tilvvlreky fgedvsvssg mqlfwyisqy lmflnaavn
  301 liygfnnenf rrayyqiswv rrrwreaakmk klsqskkhcc ycdfmkrkgp ktdephqsgn
  361 verdmskels teeptakstk rirddptdll ateieadgfi

```

Mauritania [XP_033156480.1](#)

```

1 masvsssgdf dfgkwdfpae riwlhkpnge itwkictflp liafglygnf tmllyiatnr
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
  121 nlsvvsydr1 taivlpmetr ltirgvqivv vctwvsgill asplafyrsy rrvvwknfte

```

181 ryckentsvl pkywvyliti lvwlpigiml icyiaifykl dryekrvlsvr enpltvsykr
241 svaktlfivv avfaalrlpf tilvvlreky fgedvsvssg mqlfwyisqy lmflnaavnv
301 liygfnnenf rrayyqiswv rrrwdaakmk kvsgstnhcc ycafmkkgkr tqqagnlerd
361 iskdmsseqp saksskiivkn eptdlivsei gadgfi

Sechellia [XP_002033117.2](#)

1 mtsvsssgdf dfgkwdfpae riwlhkpnge itwkictflp liafglygnf tmlyliatnr
61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
121 nlsvsvydrll taivlpmetr ltirgvqivv vctwvsgill asplafyrsf rvrvwknfte
181 ryckentsvl pkywvyliti lvwlpigiml icyiaifykl dryekrvlsvr enpltvsykr
241 svaktlfivv avfaalrlpf tilvvlreky fgeevsvssg mqlfwyisqy lmflnaavnv
301 liygfnnenf rrayyqiswv rrrwdaakmk kvsgsrnhcc ycafmkkgkr tqqagnlerd
361 iskdmsseqp sakstkiivqn eptilvsei adgfi

Serrata [XP_020818415.1](#)

1 mwdqfsvmsi csmqkavplr kptkqeatnm atfsssddefd fskwnfpvxer iwlhkpngei
61 twkiitflpl ivfglygnft mvyliaanrs lrsptnliia nmavadlltl aicpamfmnl
121 dfyqnyqlgc vgcklegflv vvvflitavl lsvsvydrllt aivlpmetr tvrgaqivvv
181 ctwflgilla splalyrsyr vrlwknfter yckentsilp kywvylitil wvlpigimli
241 cyiaifykld yekriilsre npiqvsykrsv vaktlfivv vxavrlrlpft ilvvlrekyfi
301 aedisvsnxg qlfwyisqyl mflnaavnpl iygfnnenfr rayyqiswv rcrdaakmsk
361 isdssqhccy cafmknkgkl kpegatqpkd svnedvsqem itegptaacs teivreepgd
421 iqypevdag fi

Erecta [XP_001969173.1](#)

1 mallssndef dfgkwdfpae riwlhkssge iwkictflp liafglygnf tmlyliatnr
61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
121 nlsvsvydrll taivlpmetr lttrgvqivv vctwvsgill asplafyrsy kvrvwknfte
181 ryckentsil pkywvyliti lvwlpigiml icyiaifykl dryekrvlsvr enpltvsykr
241 svaktlfivv vvfaalrlpf tilvvlreky fgedvsvssg mqlfwyisqy lmflnaavnv
301 liygfnnenf rrayyqiswv rrrwdaakmk kvsktsnhcc ycafmrkgkr speaaqqagt
361 vkgdvskdis sekesakstk imendptgll vseieadgfi

Takahashi [XP_017012153.2](#)

1 malsisqgty vgsvlghvnl llaravplr askqeangma ansssddefd skwdfpaeri
61 wlhksngeit wkictfvpli afglygnftm vyliaanrsl rsptnliian mavadlltla
121 icpamfmvnd fyqnyqlgcv gcklegflv vfliaavlnl svsvydrllta ivlpmetrllt
181 vrgvqivvvc twvlgillas plalyrvyrv riwknftery ckentsvlpk ywvylitilv
241 wlpigimlic yiaifykldr yekrvlsren plsvsykrsv aktlfivvv favrlrpfti
301 lvvrekyfd edvsvssgmq lfwyisqylm flnaavnpli ygfnnenfr ayyqiswvrr
361 wkdaakmkkr svtskhccyc afmkkgkrkt eepqqgnve rdmsndmste eptaksteri
421 qddldysvas gieadgfi

Biarmipes [XP_016967821.1](#)

1 mtsllssnef dfgkwdfpae riwlhksnge itwkictflp liafglygnf tmvyliaanr
61 slrsptnlii anmavadllt laicpamfml ndfyqnyqlg cvgcklegfl vvvflitavl
121 nlsvsvydrll taivlpmetr ltrgvqivv vctwllgill asplaiyray rvriwknfte
181 ryckentsil pkywvyliti lvwlpigiml icyiaifykl dryekrvlsvr enpltvsykr
241 svaktlfivv vvfaalrlpf tilvvlreky fdedvsvssg mqffwyfsqy lmflnaavnv
301 liygfnnenf rrayhqiswv rrcreaakmk kisgtskhcc ycdfikrgka kadgqaqqtg
361 dverdlrldl stevptakst eriqqdradi lpsevevdgy i

Eugracilis [XP_017066482.1](#)

1 mtsfssnef dfgkwdfpae riwlhkpsge itwkictfvv liafglygnf tmvyliatnr
61 slrsptnlii anmavadllt laicpamfml ndfyqnyqlg cvgcklegfl vvvflitavl
121 nlsvsvydrll taivlpmetr ltirgvqvuv vctwilgill asplalyrsy rvriwknfte
181 ryckentsil pkywvyliti lvwlpigiml icyiaifykl dryekrvlsvr enpltvsykr
241 svaktlfivv vvfavrlrlpf tilvvlreky fdedvsvssg mqlfwyisqy lmflnaavnv
301 liygfnnenf rkayyqiswv rrwkdaskmk kasgskhccy cafmkkgerk aeepqqpanv
361 dkdlskdisi eeptaktter irddpadsia peieadgfi

Rhopaloo [XP_016973955.1](#)

```
1 maaysssdef dfgkwdfpae riwlhksnge itlkigtflp liafglygni tmvyliatnr
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
 121 nlsvvsydr1 taivlpmetr ltvrgaqivv vctwvlgill asplalyrvy rrvvwknfte
 181 ryckentvvl pkywyvliti lwlplgiml icyiaifykl dryekrvlrs enpltvsykr
 241 svaktlfivv vvfavrlrpf tilvvlreky fdedvsvssg mqlfwyisqy lmflnaavnv
 301 liygfnnenf rraynqiswv rrcreaakmk kvsktsnhcc ycnfmkkgkr kaeapqepk
 361 veedmskdls sekptaeste tirdepadll vseieangfi
```

Fichsuphila [XP_017044914.1](#)

```
1 mssfsssddef dfskwdfpae riwlhksdge itwkiictflp liafglygnf tmvyliaanr
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvfliaavl
 121 nlsvvsydr1 taivlpretr ltvrgaqivv vctwvlgill asplalyrvy rrvvwknfte
 181 ryckentvvl pkywyvliti lwlplgiml icyagifykl dryekrvlrs enplsvsykr
 241 cvaktlfivv vvfavrlrpf tilvvlreky fdedvsvssg mqlfwyisqy lmflnaavnv
 301 liygfnnenf rrayyqiswv qrcrnaakmt kesktphshcc ycafmmkkgqp kaeperpgn
 361 vgedvgktds tgeptakste rarddraeql vseieaegfi
```

Elegans [XP_017120155.2](#)

```
1 mgtnssnndef dfskwdfpae riwlhksnge itlkigtflp liafglygni tmvyliavn
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg gvgcklegfl vvvflitavl
 121 nlsvvsydr1 taivlpmetr ltvrgaqivv vctwvlgill asplalyray rrvvwknfte
 181 ryckentvvl pkywyvliti lwlplgiml icyiaifykl dryekrvlrs enpltvsykr
 241 svaktlfivv vvfavrlrpf tilvvlreky faadvsvssg mqlfwyisqy lmflnaavnv
 301 liygfnnenf rrayyqiswv rrwraagkmm kvsktskhcc ycafmmkkgkr kmeepqqpkn
 361 veedmskdis seeaiarte gsrddaadvl sseieadgyi
```

Kikkawei [XP_017026956.1](#)

```
1 matfsssddef dfskwdfpae riwlhkpnge itwkiitflp liafglygnf tmvyliaanr
  61 slrsptnlii anmavadllt laicpamfmv ndfyqnyqlg cvgcklegfl vvvflitavl
 121 nlsvvsydr1 taivlpmetr ltvrgaqivv vctwilgill asplalyrgy rrvvwknfte
 181 ryckentsil pkywyvliti lwlplgiml icyiaifykl dryekrvlrs enplqvsykr
 241 svaktlfivv vvfavrlrpf tilvvlreky yaedisvssg mqlfwyisqy lmflnaavnv
 301 liygfnnenf rrayyqiswv rrcreaakmk kssdtsqhhcc ycafmmkkgks vkkpqqgtqs
 361 penvdkgesl efttegppta csteriredq gdmqvpevda dgfi
```

Bipectinate [XP_017105995.2](#)

```
1 mttfnsgeef dfskwdfpae riwlhkpdae itwkiictfvp liafglygni vmvyliavanr
  61 slrtptnmii anmavadllt laicpamfml ndfyqnyqlg cvgcklegfl vvvflitavl
 121 nlsavsydr1 taivlpretr ltvrgaqivv vstwisgill asplafyrsy rvriwknfte
 181 ryckentvvl pkywyvliti lwlplgiml icyiaifykl dryekrlrsr enpltvsykr
 241 svaktlfivv vvfavrlrpf tilvvlreky ydedisvssg mqlfwyisqy lmflnaavnv
 301 liygfnnenf rraynqiswv rrcrettklr resnpedhcc ycafmmkkgka sikkavepqq
 361 pktvevdlsr elstesyptt katerirdep gdnlvpeiea dgfi
```

Anannasae [XP_032306759.1](#)

```
1 mttfstgeef dfskwdfpae riwlhkpdae itwkiictfvp liafglygni imvyliavanr
  61 slrtptnmii anmavadllt laicpamfml ndfyqnyqlg cvgcklegfl vvvflitavl
 121 nlsavsydr1 taivlpretr ltmrgaqivv vstwisgill asplafyrsy kvriwknfte
 181 ryckentavl pkywyvliti lwlplgiml icyiaifykl dryekrlrsr enpltvsykr
 241 svaktlfivv vvfavrlrpf tilvvlreky ydedisvsgs mqlfwyisqy lmflnaavnv
 301 liygfnnenf rraynqiswv rrcrettklr kesdpsdhcc ycafmmkkgka avknaeepkq
 361 pktaeveste lstesypttk tterirdepg dslvpdiead gfi
```

Mojavensis [XP_032585686.1](#)

```
1 mdahnyssie fdfsqwdfpa eriwrhkaie eiawkvcsfl pliifglyan yiliyliatn
  61 ralrsptnli ianmamadll tllicpvmfl indfyqnqql gwgcklegf lvvvflitav
 121 nlsavvsydr ltaivlpqet rtlthgakiv iactwltgll lalplaiyre yrvriwrnft
 181 eryckentnv lpywyvliti vlwvplsim licytaifik ldryekrvls renpltvsyk
 241 rsvaktlfiv vvfavrlrpf ftifvqrek yyktaesvcc gtqyfsyfsq ylmfvnaavn
 301 pivygfnnenf rrayyqiswv vkrrraasan rahncycdf vknrgavvt adqnlkeis
 361 qsaveetknl eettndlsia keslvtrlns dgfi
```

Virilism [XP 032293011.1](#)

1 mtaynysiqq fdfsqwdfpa eriwlhkane eiawkiisfl pliifglygn yiliyliatn
61 ralrsptnli ianmamadfl tllicpamfl indfyqnyql gcvgcklegf lvvvflitav
121 lnlsvvsydr ltaivlpqet rltlcgariv iagtwlagll lalplaiyrq yrvriwrnft
181 eryckenmtv lpkywyvltit vlvwlpplgim licytaifvk ldryekrvls renplsvryk
241 rsvaktlfiv vivfvllrlp ftifvvlrek yystessvdc gmkyfsyfsq ylifvnaavn
301 piiygfnnen frrayaqiac mqkrraanan rihhclycdf iqnnksgqan aeqrskais
361 qsaaretkkl gatsnidetl mpqlkgegfi

Grimshawi [XP 001995037.1](#)

1 mdffsqwdf pedriwlrp sgeiawkvcs flpliifgly gnsvmiylia anrtlrtpn
61 livanmavad cltllicptm fmindfyqny qlgyvgckme gfvvvvflit avlnlsvvsy
121 drltaivlpl ekrltlraak ivifctwlag vllalplaiy rdyrvrvwrn fteryckeni
181 nvlpkywvlt itvlvwlplg imlicytaif ikldryekrv lsrenplsvn ykrsvaktlf
241 ivvivfgvlt lpftifvvlr ekyyntevsv dsamqyfsyf sqylmfvnaa vnpliygfnn
301 enfrrayaem scvkrrrakg nrvhccycd fikknknkq teananaeks cakeisqsat
361 aetkrlqets nldgsvedtl vaqidgegfi