

	20	40	
gi 13518009 gb AAK29088.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 15487369 gb AAK50545.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 15487379 gb AAK50554.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 20152868 gb AAM13406.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 40644703 emb CAD92351.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 40644710 emb CAD92357.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 40644717 emb CAD92363.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 13559814 ref NP_112027.1	MPAENKKVRF	ENTTSDKGKI	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 57282813 emb CAF25497.1	MPAENKKVRF	ENTTSDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 307557085 gb ADN51995.1	MPAENKKVRF	ENTTSDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 313476293 emb CBM41034.1	MPAENKKVRF	ENTTSDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 66271898 gb AAY43916.1	MPTESKKVRF	ENTASDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 374256950 gb AEZ01382.1	MPTESKKVRF	ENTASDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 374256958 gb AEZ01389.1	MPTESKKVRF	ENTASDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 253559848 gb ACT32615.1	MPTESKKVRF	ENTASDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 374256967 gb AEZ01397.1	MPTESKKVRF	ENTASDKGKN	PSKVIKSYYG TMDIKKINEG LLDSKILSAF 50
gi 357640965 gb AET87354.1	-----	-----	-----



	60	80	100	
gi 13518009 gb AAK29088.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 15487369 gb AAK50545.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 15487379 gb AAK50554.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 20152868 gb AAM13406.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 40644703 emb CAD92351.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 40644710 emb CAD92357.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 40644717 emb CAD92363.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 13559814 ref NP_112027.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 57282813 emb CAF25497.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 307557085 gb ADN51995.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 313476293 emb CBM41034.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AVIKDALQGI QQQIKGLADK 100
gi 66271898 gb AAY43916.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AMIKDALQSI QQQIKGLADK 100
gi 374256950 gb AEZ01382.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AMIKDALQSI QQQIKGLADK 100
gi 374256958 gb AEZ01389.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AMIKDALQSI QQQIKGLADK 100
gi 253559848 gb ACT32615.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AMIKDALQSI QQQIKGLADK 100
gi 374256967 gb AEZ01397.1	NTVIALLSGI	VIVMNIIMI	QNYTRSTDNQ	AMIKDALQSI QQQIKGLADK 100
gi 357640965 gb AET87354.1	-----	-----	-----	-----



	120	140	
gi 13518009 gb AAK29088.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 15487369 gb AAK50545.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 15487379 gb AAK50554.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 20152868 gb AAM13406.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 40644703 emb CAD92351.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 40644710 emb CAD92357.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 40644717 emb CAD92363.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 13559814 ref NP_112027.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 57282813 emb CAF25497.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 307557085 gb ADN51995.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 313476293 emb CBM41034.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 66271898 gb AAY43916.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 374256950 gb AEZ01382.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 374256958 gb AEZ01389.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 253559848 gb ACT32615.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 374256967 gb AEZ01397.1	IGTEIGPKVVS	LIDTSSTITI	PANIGLLGSK ISQSTASINE NVNEKCKFTL 150
gi 357640965 gb AET87354.1	-----	-----	-----



	160	180	200	
gi 13518009 gb AAK29088.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 15487369 gb AAK50545.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 15487379 gb AAK50554.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 20152868 gb AAM13406.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 40644703 emb CAD92351.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 40644710 emb CAD92357.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 40644717 emb CAD92363.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 13559814 ref NP_112027.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 57282813 emb CAF25497.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 307557085 gb ADN51995.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 313476293 emb CBM41034.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 66271898 gb AAY43916.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 374256950 gb AEZ01382.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 374256958 gb AEZ01389.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 253559848 gb ACT32615.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 374256967 gb AEZ01397.1	PPLKIH ECNI	SCPNLPFRE	YRPQTEGVSN	LVGLPNNICL QKTSNQILKP 200
gi 357640965 gb AET87354.1	-----	-----	-----	-----



220 240

gii13518009 gb AAK29088.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii15487369 gb AAK50545.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii15487379 gb AAK50554.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii20152868 gb AAM13406.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii40644703 emb CAD92351.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii40644710 emb CAD92357.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii40644717 emb CAD92363.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii13559814 ref NP_112027.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii57282813 emb CAF25497.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii307557085 gb ADN51995.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii1313476293 emb CBM41034.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLERIGSC	SRGVSQR I	250
gii66271898 gb AAY43916.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLEKIGSC	SRGVSQR I	250
gii374256950 gb AEZ01382.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLEKIGSC	SRGVSQR I	250
gii374256958 gb AEZ01389.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLEKIGSC	SRGVSQR I	250
gii253559848 gb ACT32615.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLEKIGSC	SRGVSQR I	250
gii374256967 gb AEZ01397.1	KLISYTLPPVV	QSGSGTCITDP	LLAMDEGYFA	YSHLEKIGSC	SRGVSQR I	250
gii357640965 gb AET87354.1	-----YFA	-----YFA	-----YFA	YSHLEKIGSC	SRGVSQR I	23



260 280 300

gii13518009 gb AAK29088.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii15487369 gb AAK50545.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii15487379 gb AAK50554.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii20152868 gb AAM13406.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii40644703 emb CAD92351.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii40644710 emb CAD92357.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii40644717 emb CAD92363.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii13559814 ref NP_112027.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii57282813 emb CAF25497.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii307557085 gb ADN51995.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii1313476293 emb CBM41034.1	GVGEVLDGRD	EVPSLFMTNV	WTPPNPNTVY	HCSAVYNNEF	YYVLCVAVSTV	300
gii66271898 gb AAY43916.1	GVGEVLDGRD	EVPSLFMTNV	WTPSNPNTVY	HCSAVYNNEF	YYVLCVAVSV	300
gii374256950 gb AEZ01382.1	GVGEVLDGRD	EVPSLFMTNV	WTPSNPNTVY	HCSAVYNNEF	YYVLCVAVSV	300
gii374256958 gb AEZ01389.1	GVGEVLDGRD	EVPSLFMTNV	WTPSNPNTVY	HCSAVYNNEF	YYVLCVAVSV	300
gii253559848 gb ACT32615.1	GVGEVLDGRD	EVPSLFMTNV	WTPSNPNTVY	HCSAVYNNEF	YYVLCVAVSV	300
gii374256967 gb AEZ01397.1	GVGEVLDGRD	EVPSLFMTNV	WTPSNPNTVY	HCSAVYNNEF	YYVLCVAVSV	300
gii357640965 gb AET87354.1	GVGEVLDGRD	EVPSLFMTNV	WTPSNPNTVY	HCSAVYNNEF	YYVLCVAVSV	73



320 340

gii13518009 gb AAK29088.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii15487369 gb AAK50545.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii15487379 gb AAK50554.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii20152868 gb AAM13406.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii40644703 emb CAD92351.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii40644710 emb CAD92357.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii40644717 emb CAD92363.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii13559814 ref NP_112027.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii57282813 emb CAF25497.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii307557085 gb ADN51995.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii1313476293 emb CBM41034.1	GDPI LNSTYW	SGSLMMTRLA	VKPKSNGGGY	NQHQLALRSI	EKGRYDKVMP	350
gii66271898 gb AAY43916.1	GDPI LNSTYW	SGSLMMTRLA	VKPKNNGESY	NQHQLALRSI	EKGRYDKVMP	350
gii374256950 gb AEZ01382.1	GDPI LNSTYW	SGSLMMTRLA	VKPKNNGESY	NQHQLALRSI	EKGRYDKVMP	350
gii374256958 gb AEZ01389.1	GDPI LNSTYW	SGSLMMTRLA	VKPKNNGESY	NQHQLALRSI	EKGRYDKVMP	350
gii253559848 gb ACT32615.1	GDPI LNSTYW	SGSLMMTRLA	VKPKNNGESY	NQHQLALRSI	EKGRYDKVMP	350
gii374256967 gb AEZ01397.1	GDPI LNSTYW	SGSLMMTRLA	VKPKNNGESY	NQHQLALRSI	EKGRYDKVMP	350
gii357640965 gb AET87354.1	GDPI LNSTYW	SGSLMMTRLA	VKPKNNGESY	NQHQLALRSI	EKGRYDKVMP	123



360 380 400

gii13518009 gb AAK29088.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii15487369 gb AAK50545.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii15487379 gb AAK50554.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii20152868 gb AAM13406.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii40644703 emb CAD92351.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii40644710 emb CAD92357.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii40644717 emb CAD92363.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii13559814 ref NP_112027.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii57282813 emb CAF25497.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii307557085 gb ADN51995.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii1313476293 emb CBM41034.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I TKCQYS	KPENCR L SMG	400
gii66271898 gb AAY43916.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I AECQYS	KPENCR L SMG	400
gii374256950 gb AEZ01382.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I AECQYS	KPENCR L SMG	400
gii374256958 gb AEZ01389.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I AECQYS	KPENCR L SMG	400
gii253559848 gb ACT32615.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I AECQYS	KPENCR L SMG	400
gii374256967 gb AEZ01397.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I AECQYS	KPENCR L SMG	400
gii357640965 gb AET87354.1	YGPSG I KQGD	TLYFPAVGFL	VRTEFKYND S	NCP I AECQYS	KPENCR L SMG	173



420 440

gii13518009|gb|AAK29088.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii15487369|gb|AAK50545.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii15487379|gb|AAK50554.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii20152868|gb|AAM13406.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii40644703|emb|CAD92351.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii40644710|emb|CAD92357.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii40644717|emb|CAD92363.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii13559814|ref|NP_112027.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii57282813|emb|CAF25497.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii307557085|gb|ADN51995.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii1313476293|emb|CBM41034.1| IRPN SHY I LR SGL LKYN L SD GENPKVVF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii66271898|gb|AAY43916.1| IRPN SHY I LR SGL LKYN L SD EEN SK I VF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii374256950|gb|AEZ01382.1| IRPN SHY I LR SGL LKYN L SD EEN SK I VF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii374256958|gb|AEZ01389.1| IRPN SHY I LR SGL LKYN L SD EEN SK I VF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii253559848|gb|ACT32615.1| IRPN SHY I LR SGL LKYN L SD EEN SK I VF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii374256967|gb|AEZ01397.1| IRPN SHY I LR SGL LKYN L SD EEN SK I VF I E ISDQRLS I GS PSK I YDSL GQ 450
 gii357640965|gb|AET87354.1| IRPN SHY I LR SGL LKYN L SD EEN SK I VF I E ISDQRLS I GS PSK I YDSL GQ 223



460 480 500

gii13518009|gb|AAK29088.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii15487369|gb|AAK50545.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii15487379|gb|AAK50554.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii20152868|gb|AAM13406.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii40644703|emb|CAD92351.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii40644710|emb|CAD92357.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii40644717|emb|CAD92363.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii13559814|ref|NP_112027.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii57282813|emb|CAF25497.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR NNTV I SRPGQ SQCPRFNTCP 500
 gii307557085|gb|ADN51995.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii1313476293|emb|CBM41034.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii66271898|gb|AAY43916.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii374256950|gb|AEZ01382.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii374256958|gb|AEZ01389.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii253559848|gb|ACT32615.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii374256967|gb|AEZ01397.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 500
 gii357640965|gb|AET87354.1| PVFYQAS F SW DTM I KFGDVL TVNPLVVNWR DNTV I SRPGQ SQCPRFNTCP 273



520 540 560

gii13518009|gb|AAK29088.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii15487369|gb|AAK50545.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii15487379|gb|AAK50554.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii20152868|gb|AAM13406.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii40644703|emb|CAD92351.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii40644710|emb|CAD92357.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii40644717|emb|CAD92363.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii13559814|ref|NP_112027.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii57282813|emb|CAF25497.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
 gii307557085|gb|ADN51995.1| E I CWEGVYND AFL I DR I NW I SAGVFLDSNQ TAENPVFTVF KDNE I LYRAQ 550
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 gii374256950|gb|AEZ01382.1| LASEDTNAQK T I TNCFL LKN K I WC I SLVE I YDTGDNV I RP KLF AVK I PEQ 600
 gii374256958|gb|AEZ01389.1| LASEDTNAQK T I TNCFL LKN K I WC I SLVE I YDTGDNV I RP KLF AVK I PEQ 600
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 gii357640965|gb|AET87354.1| LASEDTNAQK T I TNCFL LKN K I WC I SLVE I YDTGDNV I RP KLF AVK I PEQ 318



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 gjl357640965|gb|AET87354.1| -- 318

Sequence logo 
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 0.0bits