

	1
GaMIOX01	.MSF
GbMIOX01	.MSF
GdMIOX01	.
GtMIOX01	.
GmMIOX01	.
GherMIOX01	.
GhMIOX07	.
GtMIOX06	.
GrMIOX01	.
GaMIOX05	.MT
GherMIOX06	.MT
GdMIOX05	.MT
GmMIOX05	.MT
GhMIOX12	.MI
GtMIOX11	.MI
GbMIOX12	.MI
GrMIOX03	.MI
GaMIOX03	.
GherMIOX03	.
GbMIOX03	.
GtMIOX03	.
GhMIOX03	.
GmMIOX03	.
GdMIOX03	.
GbMIOX09	.
GdMIOX08	.
GhMIOX09	.MT
GtMIOX08	.
GrMIOX05	.
GbMIOX04	.
GhMIOX04	.
GtMIOX04	.
GaMIOX04	.
GmMIOX04	.
GherMIOX04	.
GdMIOX09	.
GhMIOX10	.MT
GbMIOX10	.
GtMIOX09	.MT
GmMIOX09	.
GrMIOX06	.
GbMIOX02	.
GhMIOX02	.
GmMIOX02	.MI
GtMIOX02	.
GaMIOX02	.
GbMIOX08	.
GdMIOX07	.
GhMIOX08	.
GrMIOX04	.
GtMIOX07	.
GmMIOX07	.
GbMIOX06	.MT
GhMIOX06	.MSR
GdMIOX04	.
GherMIOX02	.
GtMIOX05	.MT
GbMIOX07	.
GhMIOX01	.
GkkMIOX01	.
GkkMIOX03	.
ATMIOX01	.
GmMIOX06	.
ATMIOX03	.
ATMIOX04	.
ATMIOX02	.
GdMIOX02	.
GkkMIOX02	.
GkkMIOX04	.
GaMIOX06	.
GdMIOX10	.
GtMIOX10	.
GhMIOX11	.
GrMIOX02	.
GmMIOX10	.
GherMIOX05	MEGYRVDEAVIALKLDASNWWHDINESTLWQDRIFHILAALYGLVAAVALVQLIRIQLRVPEYGWTTQKVFHFLNFLVNGVRGLVFVFRD
GdMIOX11	.
GmMIOX11	.
GdMIOX06	.
GhMIOX05	.
GkkMIOX05	.
GkkMIOX06	.
GmMIOX08	.
GbMIOX05	.
GbMIOX11	.

	10	20
GaMIOX01	SFFFR...FFSR	ILQHFYDGG
GbMIOX01	SFFFR...FFSR	ILQHFYDEG
GdMIOX01	...MVT	ICIG
GtMIOX01	...MVT	ICIG
GmMIOX01	...MVT	ICIG
GherMIOX01	...MVT	ICIG
GhMIOX07	...MVT	ICIG
GtMIOX06	...MVT	ICIG
GrMIOX01	...MVT	ICIG
GaMIOX05	...VSVEK	PN
GherMIOX06	...VSVEK	PN
GdMIOX05	...VSVEK	PN
GmMIOX05	...VSVEK	PN
GhMIOX12	...VSVEK	PN
GtMIOX11	...VSVEK	PN
GbMIOX12	...VSVEK	PN
GrMIOX03	...VSVEK	PN
GaMIOX03	...MTIL	IEKPEL
GherMIOX03	...MTIL	IEKPEL
GbMIOX03	...MTIL	IEKPELV
GtMIOX03	...MTIL	IEKPELV
GhMIOX03	...MTIL	IEKPELV
GmMIOX03	...MTIL	IEKPELV
GdMIOX03	...MTIL	IEKPELV
GbMIOX09	...MTIL	MEKPELV
GdMIOX08	...MTIL	MEKPELV
GhMIOX09	...MTIL	MEKPELV
GtMIOX08	...MTIL	MEKPELV
GrMIOX05	...MTIL	MEKPELV
GbMIOX04	...MTIL	IDQPDFG
GhMIOX04	...MTIL	IDQPDFG
GtMIOX04	...MTIL	IDQPDFG
GaMIOX04	...MTIL	IDQPDFG
GmMIOX04	...MTIL	IDQPDFG
GherMIOX04	...MTIL	IDQPDFG
GdMIOX09	...MTIL	IDQPDFG
GhMIOX10	...MTIL	IDQPDFG
GbMIOX10	...MTIL	IDQPDFG
GtMIOX09	...MTIL	IDQPDFG
GmMIOX09	...MTIL	IDQPDFG
GrMIOX06	...MTIL	IDQPDFG
GbMIOX02	...MTIL	IDQPELG
GhMIOX02	...MTIL	IDQPELG
GmMIOX02	...MTIL	IDQPELG
GtMIOX02	...MTIL	IDQPELG
GaMIOX02	...MTIL	IDQPELG
GbMIOX08	...MTIL	IDQPELG
GdMIOX07	...MTIL	IDQPELG
GhMIOX08	...MTIL	IDQPELG
GrMIOX04	...MTIL	IDQPELG
GtMIOX07	...MTIL	IDQPELG
GmMIOX07	...MTIL	IDQPELG
GbMIOX06	...VSVEK	PN
GhMIOX06	VTLVEKIRQW	VTLSRRC
GdMIOX04	...	
GherMIOX02	...MTIL	IDQPELG
GtMIOX05	...VSVEK	PN
GbMIOX07	...MVT	ICIG
GhMIOX01	...	
GkkMIOX01	MSFTWC	
GkkMIOX03	...MTIL	IEKPELV
ATMIOX01	...MTIL	IDRHS
GmMIOX06	...	
ATMIOX03	...MTIS	VEKPIFEEVSAFEKSGDN
ATMIOX04	...MNIS	VENPVFVHEDS...TTQK
ATMIOX02	...MTIL	VEHFVPD
GdMIOX02	...	
GkkMIOX02	...	
GkkMIOX04	...	
GaMIOX06	...MTIL	IDQPD
GdMIOX10	...MTIL	IDQPD
GtMIOX10	...MTIL	IDQPD
GhMIOX11	...MTIL	IDQPD
GrMIOX02	...MTIL	IDQPD
GmMIOX10	...MTIL	FFFD
GherMIOX05	QNLHPEIVQH	ILIDMPSLAFFTTYALLVLFWAEIYYQARAVSTDGLRPSFFTINAVVYTIQIGMWLILWWKYIPVLVVL
GdMIOX11	...	
GmMIOX11	...	
GdMIOX06	...	
GhMIOX05	...	
GkkMIOX05	...	
GkkMIOX06	...	
GmMIOX08	...	
GbMIOX05	...	
GbMIOX11	...	

	30	40	50	60
GaMIOX01	..PIDQAKGQKIQLDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GbMIOX01	..PIDQAKGQKIQLDANELVSND	FALP	..ENNAFGNS	..FRDYEAD
GdMIOX01	..KVDQAKGQKIQLDANELVSND	FALP	..ENNAFGNS	..FRDYEAD
GtMIOX01	..KVDQAKGQKIQLDANELVSND	FALP	..ENNAFGNS	..FRDYEAD
GmMIOX01	..KVDQAKGQKIQLDVNELVSND	FALP	..ENNAFGNS	..FRDYEAD
GherMIOX01	..KVDQAKGQKIQLDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GhMIOX07	..KVGQAKGQKIQLDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GtMIOX06	..KVGQAKGQKIQLDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GrMIOX01	..KVGQAKGQKIQLDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GaMIOX05	..VTQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GherMIOX06	..VTQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GdMIOX05	..VTQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GmMIOX05	..VTQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GhMIOX12	..ATQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GtMIOX11	..ATQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GbMIOX12	..ATQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GrMIOX03	..ATQAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GaMIOX03	..DCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GherMIOX03	..DCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GbMIOX03	..SQSDCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GtMIOX03	..SQSDCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GhMIOX03	..SQSDCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GmMIOX03	..SQSDCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GdMIOX03	..DCQIHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GbMIOX09	..SQSDCQNHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GdMIOX08	..SQSDCQNHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GhMIOX09	..SQSDCQNHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GtMIOX08	..SQSDCQNHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GrMIOX05	..SQSDCQNHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
GbMIOX04	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GhMIOX04	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GtMIOX04	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GaMIOX04	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GmMIOX04	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GherMIOX04	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GdMIOX09	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GhMIOX10	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GbMIOX10	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GtMIOX09	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GmMIOX09	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GrMIOX06	..IEAGFNKADDVEKEGVNLNGGFVVP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GbMIOX02	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GhMIOX02	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GmMIOX02	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GaMIOX02	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GbMIOX08	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GdMIOX07	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GhMIOX08	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GrMIOX04	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GtMIOX07	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GmMIOX07	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GbMIOX06	..NAKSAEQAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GhMIOX06	..PFEGHYTPTAQPDPANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GdMIOX04	..MMP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GherMIOX02	..VEAGVNNLDNADNELVLDGGFVVP	QTNNSFGHT	..FRDYEAD	..FRDYEAD
GtMIOX05	..VTQAKSAEQALPDANKLVSND	FTVP	..QNNNAFGNT	..FRDYEAD
GbMIOX07	..KVGQAKGQKIQLDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GhMIOX01	..MGAKDWFCEVQVLI	..GKEAME	..MDYEAD	..MDYEAD
GkkMIOX01	..LVDQAKGQKIQVDANELVSND	FALP	..EKNNAFGNS	..FRDYEAD
GkkMIOX03	..FQPDQCNHVDE.SKELVLDGGFVVP	KSLSG..EGFLAPEVNSFGNS	..FRDYEAD	..FRDYEAD
ATMIOX01	..DEIVEKNQNGKKEEETELVLDAGFEAP	HTNSFGHT	..FRDYEAD	..FRDYEAD
GmMIOX06	..IGELKLDGGFSPMPKMDTNDDEAFVLP	EMNAFGNQ	..FRDYEAD	..FRDYEAD
ATMIOX03	..TGELRLDSDIPMSKISS.DDEVFLAP	EMNAFGNQ	..FRDYEAD	..FRDYEAD
ATMIOX04	..SRVDEKKVIEERDNELVLDGGFVVP	KSKET..DAFDAPDMNFLGHS	..FRDYEAD	..FRDYEAD
GdMIOX02	..SRVDEKKVIEERDNELVLDGGFVVP	KSKET..DAFDAPDMNFLGHS	..FRDYEAD	..FRDYEAD
GkkMIOX02	..SRVDEKKVIEERDNELVLDGGFVVP	KSKET..DAFDAPDMNFLGHS	..FRDYEAD	..FRDYEAD
GkkMIOX04	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GaMIOX06	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GdMIOX10	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GtMIOX10	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GhMIOX11	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GrMIOX02	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GmMIOX10	..IEERHKVAVDENELKTSDDGGFVVP	HINSFGHN	..FRDYEAD	..FRDYEAD
GherMIOX05	GFLLYGGRLFLMLQRFVPEVSKGRKKLQEVGYVTTICFLCFLVRCIMMCFNAFDKAADLDVLNHPVLNLIYYLLVEILPSSLVLFILRKLLPPK			
GdMIOX11				
GmMIOX11				
GdMIOX06				
GhMIOX05				
GkkMIOX05				
GkkMIOX06				
GmMIOX08				
GbMIOX05				
GbMIOX11				

[illegible]

	150	160	170	180	190	200	210	220	230	
GaMIOX01	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GbMIOX01	AFTLDLGGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GdMIOX01	AFTLDLGGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GtMIOX01	AFTLDLGGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GmMIOX01	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GherMIOX01	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GhMIOX07	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GtMIOX06	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GrMIOX01	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	ESNVHHK	YF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NVLMSWGHDDYMY
GaMIOX05	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NLLMSWGHDDYMY
GherMIOX06	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NLLMSWGHDDYMY
GdMIOX05	LMKPTDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NLLMSWGHDDYMY
GmMIOX05	LMKPTDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	KENP	DFNNPKY	YNTRNGVYIEGCGLD	NLLMSWGHDDYMY
GhMIOX12	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	RENPD	FNKNP	KYNTNNGVYIEGCGLD	NLLMSWGHDDYMY
GtMIOX11	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	RENPD	FNKNP	KYNTNNGVYIEGCGLD	NLLMSWGHDDYMY
GbMIOX12	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	RENPD	FNKNP	KYNTNNGVYIEGCGLD	NLLMSWGHDDYMY
GtMIOX03	ALIHDLGKILVLPKFGG	LPQWAVVGD	TFFVGC	AFD	EFNVH	YKYF	RENPD	FNKNP	KYNTNNGVYIEGCGLD	NLLMSWGHDDYMY
GaMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GherMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GbMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GtMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GhMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GmMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GdMIOX03	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GbMIOX09	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GdMIOX08	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GhMIOX09	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GtMIOX08	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GrMIOX05	ALIHDLGKVLVLPKFGG	LPQWAVVGD	TFFLGC	AFD	EANIH	HRYF	KENPD	CNNP	SYNTKNGIYWDGCGLD	NVTISWGHDDYMY
GbMIOX04	GLIHDLGKVLVLPKFGG	LPQWAVVGD	TYPVGC	AFD	KSVHH	KYF	EENPD	YHNP	AYNTKYGVYIEGCGLD	NVMMMSWGHDDYMY
GhMIOX04	GLIHDLGKVLVLPKFGG	LPQWAVVGD	TYPVGC	AFD	KSVHH	KYF	EENPD	YHNP	AYNTKYGVYIEGCGLD	NVMMMSWGHDDYMY
GtMIOX04	GLIHDLGKVLVLPKFGG	LPQWAVVGD	TYPVGC	AFD	KSVHH	KYF	EENPD	YHNP	AYNTKYGVYIEGCGLD	NVMMMSWGHDDYMY
GaMIOX04	GLIHDLGKVLVLPKFGG	LPQWAVVGD	TYPVGC	AFD	KSVHH	KYF	EENPD	YHNP	AYNTKYGVYIEGCGLD	NVMMMSWGHDDYMY
GherMIOX04	GLIHDLGKVLVLPKFGG	LPQWAVVGD	TYPVGC	AFD	KSVHH	KYF	EENPD	YHNP	AYNTKYGVYIEGCGLD	NVMMMSWGHDDYMY
GdMIOX09	GLIHDLGKVLVLPKFGG	LPQWAVVGD	TYPVGC	AFD	KSVHH	KYF	EENPD	YHNP	AYNTKYGVYIEGCGLD	NVMMMSWGHDDYMY
GhMIOX10	GLIHDLGKVLVLPKFGG	LPQWAV								

		240	250	260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
GaMIOX01		MVAKEN	TTLP	SAGLF	FIVRYHSFY	P	LHKY	GAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
GbMIOX01		MVAKEN	TTLP	SAGLF	FIVRYHSFY	P	LHKY	GAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
GdMIOX01		MVAKEN	TTLP	SAGLF	FIVRYHSFY	P	LHKY	GAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
GtMIOX01		MADKEN	TTLP	SAGLF	FIVRYHSFY	P	LHKY	GAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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GaMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GbMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GdMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GtMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GmMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GherMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GhMIOX07	SQF	MKEEDKEN	FKWLK	VFN	KYD
GtMIOX06	SQF	MKEEDKEN	FKWLK	VFN	KYD
GrMIOX01	SQL	MNKEDKEN	FKWLK	VFN	KYD
GaMIOX05	AQF	IINEEDKKN	MKWLH	VFN	KYD
GherMIOX06	AQF	IINEEDKKN	MKWLH	VFN	KYD
GdMIOX05	AQF	IINEEDKKN	MKWLH	VFN	KYD
GmMIOX05	AQF	IINEEDKKN	MKWLH	VFN	KYD
GhMIOX12	AQF	MNEEDKKN	MKWLH	VFN	KYD
GtMIOX11	AQF	MNEEDKKN	MKWLH	VFN	KYD
GbMIOX12	AQF	MNEEDKKN	MKWLH	VFN	KYD
GrMIOX03	AQF	MNEEDKKN	MKWLH	VFN	KYD
GaMIOX03	MQF	LNDDEDKEN	LKWLR	IFN	KYD
GherMIOX03	MQF	LNDDEDKEN	LKWLR	IFN	KYD
GbMIOX03	MQF	VNDEDDKEN	LKWLR	IFN	KYD
GtMIOX03	VQF	LNDDEDKEN	LKWLR	IFN	KYD
GhMIOX03	MQF	LNDDEDKEN	LKWLR	IFN	KYD
GmMIOX03	MQF	LNDDEDKEN	LKWLR	IFN	KYD
GdMIOX03	MQF	LNDDEDKEN	LKWLR	IFN	KYD
GbMIOX09	MQF	VNDEDDKEN	LKWLR	IFN	KYD
GdMIOX08	MQF	VNDEDDKEN	LKWLR	IFN	KYD
GhMIOX09	MQF	VNDEDDKEN	LKWLR	IFN	KYD
GtMIOX08	MQF	VNDEDDKEN	LKWLR	IFN	KYD
GrMIOX05	MQF	LNDDEDKEN	LKWLR	IFN	KYD
GbMIOX04	KQL	MNGEDVEN	LKWLE	IFN	KYD
GhMIOX04	KQL	MNGEDVEN	LKWLE	IFN	KYD
GtMIOX04	KQL	MNGEDVEN	LKWLE	IFN	KYD
GaMIOX04	KQL	MNGEDVEN	LKWLE	VFN	KYD
GmMIOX04	KQL	MNGEDVEN	LKWLE	IFN	KYD
GherMIOX04	KQL	MNGEDVEN	LKWLE	IFN	KYD
GdMIOX09	KQL	MNGEDVEN	LKWLE	IFN	KYD
GhMIOX10	KQL	MNGEDVEN	LKWLE	IFN	KYD
GbMIOX10	KQL	MNGEDVEN	LKWLE	IFN	KYD
GtMIOX09	KQL	MNGEDVEN	LKWLE	IFN	KYD
GmMIOX09	KQL	MNGEDVEN	LKWLE	IFN	KYD
GrMIOX06	KQL	MNGEDVEN	LKWLE	IFN	KYD
GbMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GhMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GmMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GtMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GaMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GbMIOX08	RHL	MNEEDTEN	LKWLO	IFN	KYD
GdMIOX07	RHL	MNEEDTEN	LKWLO	IFN	KYD
GhMIOX08	RHL	MNEEDTEN	LKWLO	IFN	KYD
GrMIOX04	RHL	MNEEDTEN	LKWLO	IFN	KYD
GtMIOX07	RHL	MNEEDTEN	LKWLO	IFN	KYD
GmMIOX07	RHL	MNEEDTEN	LKWLO	IFN	KYD
GbMIOX06	AQF	IINEEDKKN	MKWLH	VFN	KYD
GhMIOX06	AQF	IINEEDKKN	MKWLH	VFN	KYD
GdMIOX04	KQL	MNGEDVEN	LKWLE	IFN	KYD
GherMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GtMIOX05	AQF	IINEEDKKN	MKWLH	VFN	KYD
GbMIOX07	SQF	MKEEDKEN	FKWLK	VFK	
GhMIOX01	SQF	MNEEDKEN	FKWLK	VFN	KYD
GkkMIOX01	SQF	MNEEDKEN	FKWLK	VFK	
GkkMIOX03	MQF	LSDEDKKN	MKWLR	VFK	
ATMIOX01	KHL	MNNEDREN	MKWLK	VFN	KYD
GmMIOX06	SQF	MNEEDKEN	FKWLK	VFN	KYD
ATMIOX03	THL	MNEEDKEN	LKWLH	VFN	KYD
ATMIOX04	THL	MNEEDKEN	LKWLH	VFN	KYD
ATMIOX02	THL	MNDDRDN	LKWLH	VFN	KYD
GdMIOX02	RHL	MNEEDTEN	MKWLO	IFN	KYD
GkkMIOX02	RHL	MNEEDTEN	LKWLO	IFN	KYD
GkkMIOX04	KQL	MNEEDVEN	LKWLE	IFN	KYD
GaMIOX06	MHL	MNEEDIEN	LKWLK	IFN	KYD
GdMIOX10	MHL	IINEEDIEN	LKWLK	IFN	KFD
GtMIOX10	MHL	IINEEDIEN	LKWLK	IFN	KFD
GhMIOX11	MHL	IINEEDIEN	LKWLK	IFN	KFD
GrMIOX02	MHL	IINEEDIEN	LKWLK	IFN	KFD
GmMIOX10	MHL	IINEEDIEN	LKWLK	IFN	KFD
GherMIOX05	IGLGITWQS	GGDLCDVDAVKTAFSVG	GYRHIDCAHLYGNEIEVGEA	LNEAFKGS	LKRED
GdMIOX11	AQF	MNEEDKKN	MKWLH	VFN	KYD
GmMIOX11	AQF	MNEEDKKN	MKWLH	VFN	KYD
GdMIOX06	CCF	VS..KYHN	PFYLTIS.	.	
GhMIOX05	MHL	MNEEDIEN	LKWLK	IFN	KYD

[illegible]

300										310									
GaMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GbMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GdMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GtMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GmMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GherMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GhMIOX07	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GtMIOX06	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GrMIOX01	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GaMIOX05	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GherMIOX06	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GdMIOX05	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GmMIOX05	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GhMIOX12	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GtMIOX11	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GbMIOX12	..	VAVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GrMIOX03	..	VDVEKVKPYY	ESLI	AK	..	..	..	..	..	YFP	AKLKW	..	..	..	..	..	..	..	..
GaMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GherMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GbMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GtMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GhMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GmMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GdMIOX03	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GbMIOX09	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GdMIOX08	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GhMIOX09	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GtMIOX08	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GrMIOX05	..	VDVEKVKPYY	LSLI	EKYFP	..	..	..	..	..	..	AKLKW	..	..	..	..	..	..	..	..
GbMIOX04	..	IDVEKVKPYY	LSLI	EKYFP	..	..	..	..											

GaMIOX01	.
GbMIOX01	.
GdMIOX01	.
GtMIOX01	.
GmMIOX01	.
GherMIOX01	.
GhMIOX07	.
GtMIOX06	.
GrMIOX01	.
GaMIOX05	.
GherMIOX06	.
GdMIOX05	.
GmMIOX05	.
GhMIOX12	.
GtMIOX11	.
GbMIOX12	.
GrMIOX03	.
GaMIOX03	.
GherMIOX03	.
GbMIOX03	.
GtMIOX03	.
GhMIOX03	.
GmMIOX03	.
GdMIOX03	.
GbMIOX09	.
GdMIOX08	.
GhMIOX09	.
GtMIOX08	.
GrMIOX05	.
GbMIOX04	.
GhMIOX04	.
GtMIOX04	.
GaMIOX04	.
GmMIOX04	.
GherMIOX04	ACVCCGPPPPGGACCSCGCASVQSPPEMATP.
GdMIOX09	.
GhMIOX10	.
GbMIOX10	.
GtMIOX09	.
GmMIOX09	.
GrMIOX06	.
GbMIOX02	.
GhMIOX02	.
GmMIOX02	.
GtMIOX02	.
GaMIOX02	.
GbMIOX08	.
GdMIOX07	.
GhMIOX08	.
GrMIOX04	.
GtMIOX07	.
GmMIOX07	.
GbMIOX06	.
GhMIOX06	.
GdMIOX04	.
GherMIOX02	.
GtMIOX05	.
GbMIOX07	.
GhMIOX01	.
GkkMIOX01	.
GkkMIOX03	.
ATMIOX01	.
GmMIOX06	.
ATMIOX03	.
ATMIOX04	.
ATMIOX02	.
GdMIOX02	.
GkkMIOX02	.
GkkMIOX04	.
GaMIOX06	.
GdMIOX10	.
GtMIOX10	.
GhMIOX11	.
GrMIOX02	.
GmMIOX10	.
GherMIOX05	NIDIFNWSLSDDEWNRLNRIEPQVCLYGDGPLNNLSDRGFMFSGGPLQAVREMEDDAEFNA
GdMIOX11	.
GmMIOX11	.
GdMIOX06	.
GhMIOX05	.
GkkMIOX05	.
GkkMIOX06	.
GmMIOX08	.
GbMIOX05	.
GbMIOX11	.