



NRL17 (A13G49900)	-----GWN	ELTSPPLN	TAETFLVAG	FCY-GAHIEI	TPSNVVSLRI	AVEVLLITEA	DGGRRVRS	158
NRL27 (A15G48130)	-----	LEPQEFPG	GAETFEKIM	FIIY-GOPTLI	HPFNAGRC	AAQFLEMTEQ	HSTG----	129
NRL25 (A15G17580)	-----	LRDREY	DPETFEIVAR	FCN-GSEFKF	TSDTIVSVC	IAYFLGMNEE	QSSN----	98
NRL9 (A13G03510)	-----	-----D	NPSFHLVTR	FCY-GYKIEI	SADNIVSVC	IAYFLMSSDK	HSSN----	48
NRL13 (A13G19850)	-----	IVVEDFPG	GSDGFLLVRC	FCYGGG-ISI	DVSNVSLHC	SSVFLMTEK	LCSS----	104
NRL3 (A11G50280)	-----	TEIENDFPG	GPDFEFLVSR	FCYHNGEIV	DVSNVSTLYC	CSVFLGMSEK	FCFS----	104
NRL14 (A13G22104)	-----	IVFNDFPG	GAESFEVSR	FCYNGRVLV	MPSNVVFLHC	AAKFMETK	-----	95
NRL24 (A15G13600)	-----	AQLH-DIFPG	GPETFLLVAK	FCY-GVRIEV	TPENAVSLRC	AAEYLMSEK	YGDA----	119
NRL22 (A15G03250)	-----	SLE-DIFPG	GGKTFELVTK	FCY-GWKIEI	TAFNVVSLRC	AAEYLEMEDN	YGEG----	122
NRL2 (A11G30440)	-----	LES-DIFPG	GDKTFELVAK	FCY-GWKLEI	TASNIVVSLRC	AAEYLEMTEE	HGEG----	122
NRL16 (A13G44820)	-----	TVE-EFPG	GADNFEIVAR	FCY-GARVDI	TSKNVSLHC	AAEYLEMTEE	YGED----	120
NRL29 (A15G66560)	EQEIEENGYP	HKLE-DIFPG	SSESEFEMVAK	FCY-GVKVDI	SASTVPLRC	AAEYLEMTEE	YSPD----	157
NRL19 (A13G50840)	-----	YS	HKLE-NFPG	FCY-GKMDI	SVSTAPLRC	AAEYLEMTEE	YSPD----	111
DOT3 - NRL23 (A15G10250)	-----	Y	HLKE-NFPG	FCY-NLPDLI	NPLNAPLRC	AAEYLEMTEE	YSEG----	145
NPH3 (A15G64330)	-----	T	LLLD-DIFPG	FCY-GPVDI	TATNIVSGLRC	AAEYLEMTEE	YSEG----	146
NRL12 (A13G15570)	-----	-----	-----	-----	-----	-----	-----	15
NRL4 (A11G52770)	-----	-----	-----	-----	-----	-----	-----	15
NRL15 (A13G26490)	QQV-----	IQV-DIFPG	ETEAFELCAK	FCY-GITITL	CAHNVAVARC	AAEYLMTEE	YELGET-EN	126
NRL5 (A11G67900)	ESV-----	IQP-EFPG	GVEAFELCAK	FCY-GITITL	SAYNVAVARC	AAEYLMSEF	VEK-----	117
NRL26 (A15G47800)	-----	ELN-DIFPG	GADAFELCAK	FCY-DITINL	SAHNVAVARC	AAEYLMSEF	VEK-----	120
MEL1 - NRL21 (A14G37590)	NQTHHHHED	EETIA-EFPG	GPASFEICAK	FCY-GMTVTL	NAYNVAVARC	AAEYLMSEF	VEK-----	132
MEL4 - NRL7 (A12G23050)	NQL-----	EDIS-EFPG	GSAFEICVK	FCY-GITVTL	NAYNVAVARC	AAEYLMNET	FEKS-----	126
MEL3 - NRL6 (A12G14820)	NL-----	DIS-GIFPG	GPTAFETCAK	FCY-GMTVTL	SAYNVAVARC	AAEYLMHET	VEK-----	121
MEL2 - NRL30 (A15G67440)	D-----	DIRP-DIFPG	GPPAFELCAK	FCY-GMAVTL	NAYNVAVARC	AAEYLMSEF	VEK-----	124
MAB4/ENP/NPY1 - NRL20 (A14G31820)	-----	TD	EITIA-DMPG	FCY-GMTVTL	NAYNVAVARC	AAEYLMTEE	AVRG-----	121
NCH1 - NRL31 (A15G67385)	-----	KIP-DIFPG	GSEAFELAAK	FCY-GINTVDM	STENAVARC	AAEYLMTEE	HSVE-----	120
NCL1 - NRL18 (A13G49970)	-----	RIP-DIFPG	GAEGFEIVK	FCY-DISFEI	NTEAVARC	AAEYLMTEE	HSVE-----	87
RPT2 (A12G30520)	-----	RINLS-DIFPG	GPETFELKAAK	FCY-GVNFVI	TVQNVAVARC	AAEYLMTEE	YCDN-----	124
SETH6 - NRL8 (A12G47860)	-----	LN	LA-AVPG	FCY-GVGVQY	NSSNAALRC	AAEYLMTEE	LSKE-----	128
NRL1 (A11G03010)	-----	YC	S-NAPG	FCY-GINIEI	NLLNAALRC	AAEYLMTEE	FSKE-----	127
NRL11 (A13G08660)	-----	FR-DIFPG	GPSTFEIVK	FCY-GINFDI	TAFNVVSLRC	AAEYLMTEE	YKQ-----	127
NRL10 (A13G08570)	-----	LS	HTER-DIFPG	FCY-GINFEI	TISNVVSLRC	AAEYLMTEE	FKEE-----	130
NRL28 (A15G48800)	-----	IS	KVEIL-NFPG	FCY-GINFEI	TSSNVAVARC	AAEYLMTEE	YKQ-----	135
Consensus	-----	-IELS-DIFPG	GPEXFELVAK	FCY-GITXEL	TASNVAALRC	AAEYLMTEE	YSEG----	NL



NRL17 (A13G49900)	RNLTESYLRR	VVFNVDYIQ	IIVLRSCDLL	PESETTAF-LI	IGRCYEALME	-----	-----	207
NRL27 (A15G48130)	CERFDLYNQ	VVFNQWDDYI	VVLRKQQLLV	-PWSEDL-LI	VSRCLIEAF	TACMEIDP	-----	186
NRL25 (A15G17580)	IGKASEFLRH	RVFPWSSETI	NALR-SGDKS	FDKLA-DVGL	VDVFDLSIE	KASYDPR	-----	153
NRL9 (A13G03510)	LNKAVTFLEQ	RVMMSWSETV	KALCKCSDQI	LDKLA-NVGL	IEVFDLSIE	KALNDR	-----	104
NRL13 (A13G19850)	LRTKFLG	MFYVSWNDYV	LCXKCEQVF	LH-ADSYGL	VDKLYEGLA	KIPQNSD	-----	165
NRL3 (A11G50280)	FLQTEKFLFE	VFYGSWSDYV	SCLKNCEQVF	FQ-ADSYGL	VDKLYEGLA	KIPQNSD	-----	162
NRL14 (A13G22104)	EQTEKCMEE	IRYVWAPVE	LCKKQCEVE	TS-PEVDSI	AAKMDAVE	KLCLTE	-----	151
NRL24 (A15G13600)	YLTESFLND	HVFVNWEDSI	KALCKSCEPK	VLPAAELHI	VSRCLIEAF	KACAEIDTSF	FNWPISEPG	189
NRL22 (A15G03250)	YGMTETFLNS	V-FGNWTDI	KALQ-TCE-E	VLDYADLHI	ISRCVSLAV	KACADPS	FNWPISEPG	184
NRL2 (A11G30440)	ISQTEFFNQ	VVLRKSWKDSI	KALH-SCD-E	VLDYADLHI	ISRCVSLAV	KACADPS	FNWPISEPG	188
NRL16 (A13G44820)	ISQVETFLHK	HVLRNWKDC	LALQSSSP	VLKSAEKLM	IPKLMNAVST	MCTDPS	FGWPMMPG	185
NRL29 (A15G66560)	ISKTERFLSH	SVYKSLRESI	KALK-ACE-S	VSPAGSLGI	TEQCDSIVS	RASSADPSLF	GWPVNDGGG	224
NRL19 (A13G50840)	ISKTEKFLSE	FVFTNWQESI	KALK-ACE-S	VSSLAESLGI	TEQCDSIVS	QASSTDPSSF	YGWPIINNGG	178
DOT3 - NRL23 (A15G10250)	ISKTEAFITF	VVLSASWRDI	TVLR-SCT-N	SPWAEVLQI	VRRCDIAW	KACNDNN	-----	200
NPH3 (A15G64330)	RKTEAFISY	VVLSASWRDI	LVLK-SCE-K	SPWAEVLQI	VRRCDIAW	KACNDNN	-----	209
NRL12 (A13G15570)	FRQETFYGD	MEYTYFD	-----	-----	ESC	-----	-----	35
NRL4 (A11G52770)	SPSTSTGK	MEC-SWFD	-----	-----	DGC	-----	-----	34
NRL15 (A13G26490)	VQRLEFLTI	CVFKSWRDSY	VTLQTTK-VL	P-LWSEDLGI	TNRCIEAIAN	GTVSPGEDF	STQLE	189
NRL5 (A11G67900)	VYKLEVFFNS	CVLNGWRDSI	VTLQTTK-AF	P-LWSEDLAI	TSRCIEAIAS	KVLSHPSK	-----	173
NRL26 (A15G47800)	PKLEAFFHS	CVLNGWRDSI	VTLQTTK-L	PEWCENLGI	VRCDSIVE	KILTPTSE	-----	176
MEL1 - NRL21 (A14G37590)	VYKLEVFLNS	SILQSWKDSI	IIVLQTTK-AL	S-PYSEELKI	TGRCLDSIA	RASIDTSK	-----	188
MEL4 - NRL7 (A12G23050)	VYKLDVFLNS	TIFRSWKDSI	IIVLQTTKDL	S-DDSEEL	VKRCGSAS	TASIDTSK	-----	181
MEL3 - NRL6 (A12G14820)	VYKLDVFLSS	SIFRSWKDSI	IIVLQTTKPF	-PWSEDLKL	VSLCDAIAT	KACVDVSH	-----	177
MEL2 - NRL30 (A15G67440)	VYKMEVFLNS	SVLRSWKDSI	IIVLQTTK-SF	P-PWSEDVKL	VSRCLIEAI	KAAVDPAR	-----	180
MAB4/ENP/NPY1 - NRL20 (A14G31820)	VYKLEVFLNS	GIFRSWKDSI	IIVLQTTKRS	-PWSEDLKL	VSRCLDSVSA	KLVNPEI	-----	177
NCH1 - NRL31 (A15G67385)	VETAEAYLNE	VALKSSSSS	IIVLHSEKLL	P-IAERVKL	VSRCLIEAI	MTCQE	FCSPSSSSG	185
NCL1 - NRL18 (A13G49970)	VETIEVYVNE	VIVKSLKSY	KVLOKQDL	P-IAERVRL	VDRCLDSIAY	ATCQE	-----	141
RPT2 (A12G30520)	AGRTQDFLSQ	VALLSSLSGAI	VIVKSCETLL	P-ISRDLGI	VRRCDVAVGA	KACNEAMFPC	-----	182
SETH6 - NRL8 (A12G47860)	EARTEAFLKD	SINTVNS	VIVKSCERLL	P-VAEENIL	VGRLVNAIAY	NACKEQLASG	KLDQSSG	196
NRL1 (A11G03010)	ASKTEHFLKE	TIFPSLNS	IIVLHHCETL	P-VSEDLNI	VNRLIAIAN	NACKEQTS	KLDQSSG	195
NRL11 (A13G08660)	FRATENYDQ	IIVFRSFLSE	IIVLCSCEI	-QEIAETYEI	PDRCEAIAM	NACRQVLSG	SE	187
NRL10 (A13G08570)	IARTETYLEQ	VAFRSFLKSY	EIVLCSCEI	PQDAETAHAI	PDRCEAIAY	NACREQLVLSG	SRLNRGTSE	200
NRL28 (A15G48800)	ASRTEEYLES	IIVKNSLMS	QVLRKSEI	P-LAEELNI	IGRCDAIAS	KACAEQLASS	FSRLQYSSG	203
Consensus	I X K T E X F L N S	V V X R S W K D S I	X V L Q - C E X L L	P - - W A E D L G I	V D R C I D S I A X	K A C X D P S - - -	-----	











