

1A0F A_E2KU21_Main.1/1-201	3 LF	-----YKP-----	GACSLASHITLRES-----	GKD--FTLVSV--DLMKKR-----	36
A9CII7_Main.1/1-208	6 FY	-----TNP-----	MSRGR I ARWML EEV-----	GIP--YKTEIL--GFETS-----	38
A9CJU4_Main.1/1-219	4 IY	-----GVYR-----	-SRATRTLWLAAEL-----	GIE--FKHVPV--IQARRLADPLA----	42
A9CJU5_Main.1/1-206	4 LF	-----FSP-----	GSCSRASHIVLEES-----	GLP--YKAHRV--NFAEGE-----	37
A9CLG1_Main.1/1-203	4 LF	-----HAPR-----	-SRSTRIVTLLRELD----	AIDK--VAIKIV--DITRGD-----	39
Q7D3T0_Main.1/1-211	3 LY	-----YMP-----	AACSLSPHIVANEL-----	ELD--IEFVRV--NFKDHK-----	36
3C8E A_YghU_D6JFD2_Main.2/1-284	43 LY	-----SLG-----	TPNGQKVTIMLEELLALGVTGAE--	YDAWL I--RIGDGD-----	82
3G6X A_YfcG_E7ICS5_Main.2/1-204	4 LY	-----FAP-----	TPNGHKITL FLEEA-----	ELD--YRLIKV--DLGKGG-----	37
1G6W A_E7KHF2_Main.2/1-234	17 LF	-----SHRS-----	APNGFKVAIVLSEL-----	GFH--YNTIFL--DFNLGE-----	51
4ECI A_Q02KA8_Main.2/1-204	5 LY	-----TAA-----	TPNGHKVSI ALEEM-----	GLP--YRVHAL--SFDKKE-----	38
4IKH A_Q4KED9_Main.2/1-227	19 LY	-----SLP-----	TPNGVKVSI MLEEI-----	GLP--YEHRV--SFETQD-----	52
Q03L82_Main.2/1-262	45 LY	-----TFP-----	TPNGIKATIMLEELKELGVTQAG--	YDAYRI--KIGDGD-----	84
Q8DTN7_Main.2/1-263	45 VY	-----SLG-----	TPNGLKVAVML EELRELGVKEAD--	YDLFKI--SIMDGD-----	84
A6B5E9_Main.2/1-285	46 LY	-----SMG-----	TPNGQKVTIMFEELLAAGVKEAE--	YDAYLI--KIGDGD-----	85
Q2RXK8_Main.2/1-229	4 LY	-----YWP-----	TPNGFKISILLEEL-----	GQP--YTLKPV--NIAKGE-----	37
Q4KH85_Main.2/1-213	4 LY	-----YWT-----	TPNGHKISL FLEEA-----	GLP--YTLYPV--NIGLGE-----	37
1EEM A_P78417_Main.3/1-237	22 IY	-----SMRF-----	CPFAERTRLVLKAK-----	GIR--HEVINI--NLK-----	53
P34345_Main.3/1-250	27 VY	-----NMRF-----	CPWAERAML YVAAK-----	GIE--AEVVNL--NVT-----	58
Q2KDI2_Main.3/1-227	6 LI	-----SHHL-----	CPYVQRAAIALREK-----	GVP--FERINI--DLA-----	37
Q8XW81_Main.3/1-224	8 LI	-----SHPL-----	CPFVQRAAIVLLEK-----	GVP--FERINV--DLA-----	39
Q9H4Y5_Main.3/1-243	26 IY	-----SMRF-----	CPYSHRTRLVLKAK-----	DIR--HEVNI--NLR-----	57
Q9VSL2_Main.3/1-241	24 LY	-----SMRF-----	CPYAQRAHLVLNAK-----	NVP--YHSVI--NLT-----	55
Q9VSL3_Main.3/1-243	24 LY	-----SMRF-----	CPFAQRVHLVLD AK-----	KIP--YHSIYI--NLT-----	55
Q9VSL4_Main.3/1-250	25 YY	-----SMRF-----	CPYSQRAGLVLA AK-----	KIP--HHTVYI--DLS-----	56
Q9VSL5_Main.3/1-251	25 FF	-----SMAF-----	CPF SHRVR LMLAAK-----	HIE--HHKIYV--DLI-----	56
Q9VSL6_Main.3/1-254	24 LY	-----SMRF-----	CPYAHRVHLVLD AK-----	KIP--YHAIYI--NLR-----	55
4HI7 A_B4KM86_Main.4/1-220	4 LY	-----GIDA-----	SPPVRAVKLT LAAL-----	QLP--YDYKIV--NLMNKE-----	38
3R2Q A_B3HZI4_Main.9_NO_DSBR/1-202	3 LV	-----GSYT-----	SPFVRKLSILLEEK-----	GIT--FEFINE--LPY-----	34
A9CJG4_Main.9/1-198	3 LL	-----YSPA-----	SPYSAKVRMAARHL-----	DID--VTSV--RVDTN-----	34
2R4V A_O15247_Main.10_NO_DSBR/1-226	7 LF	-----VKAGSDGESIGNC	Y PFCQRLFMILWLK-----	GVK--FNVTTV-----	43
Q8LE52_Main.10/1-258	51 IC	VKASITTPNKLGD-----	CPFCQKVL LTMEEK-----	NVP--YDMKMV--DLS-----	91
Q9FRL8_Main.10/1-213	5 IC	VKVAVGAPDVLGD-----	CPFSQRVLLTLEEK-----	KLP--YKTHLI--NVS-----	45
Q9FWR4_Main.10/1-213	5 IC	VKAAVGAPDHLGD-----	CPFSQRALLTLEEK-----	SLT--YKIHLI--NLS-----	45
Q88LB2_Main.14/1-199	5 LY	-----SFRR-----	CPWAMRARLALRYA-----	GCE--VEIC--EVAMK-----	36
Q129E0_Main.14/1-230	16 LY	-----SFRR-----	CPYAMRARLALVVS-----	GQR--CELR--EVVLR-----	47
A9CKF2_Main.15/1-230	4 LY	-----HSPM-----	STASRFVRLILA EY-----	GFQ--TDLVEE--QPW-----	35
2YCD A_A9CFJ9_Main.25/1-213	8 VFER	---SPDGGRG-----	LARDMPVRWALEEV-----	GQP--YHVRRL--SFEA-----	45
B8H2E2_Main.25/1-217	7 AYNW	---VPPPARG-----	LVRDLRIRWALEEL-----	GRP--YAVETV--LH-----	42
B7UV05_Main/1-220	5 LY	-----GAPL-----	SPFVRKVRLLLA EK-----	GLD--YQLEAI--APF-----	36
1G7O A_B3BP81_R4.1/1-215	3 LY	-----IYDH-----	CPYCLKARMI FGLK-----	NIP--VELHVL--LND-----	34
D0W558_R4.1/1-213	3 LY	-----IYDH-----	CPFCVRARMAAGLF-----	GAD--VEEVVM--AND-----	34
3PPU A_YqjG_B3VQJ7_Xi.1/1-314	43 LY	-----VSYA-----	CPWATR TL I VRK LK-----	GLEDFIGVTVVSPRMSGNWP FANVD PF	90
3R3E A_C4ZR18_Xi.1/1-308	38 LY	-----VSLA-----	CPWAHRTLIMRKLK-----	GLEPFI SVSVVNPLML ENGWTFDD SFP G	85
C7GXD4_Xi.1/1-370	40 LY	-----VSLA-----	CPWAHRTLITRALK-----	GLTSVIGC SVVHWHLDEK GWRFLDMEKQ	87
P48239_Xi.1/1-356	25 IY	-----GALG-----	CPFTHRAILARSLK-----	KLEPVLGLVL SHWQLDSKGARFL PAPHR	72
Q04806_Xi.1/1-366	40 LY	-----VALP-----	CPWAQRTLITRALK-----	GLAPIIGC SVAHWHLDDKGWRFL EEDG	87

1A0F A_E2KU21_Main.1/1-201	37	-----L	ENGDDYFAVNP	-----	KGQ	51					
A9CII7_Main.1/1-208	39	-----	MKSPAYRLINP	-----	MAK	52					
A9CJU4_Main.1/1-219	43	-----	TDAPLNTLSPAFLAVNP	-----	MGT	62					
A9CJU5_Main.1/1-206	38	-----	QRSEAFLLKINP	-----	KGR	51					
A9CLG1_Main.1/1-203	40	-----	GSGRKDPKLNHP	-----	EGK	54					
Q7D3T0_Main.1/1-211	37	-----	TEGGQDYDINP	-----	NGY	51					
3C8E A_YghU_D6JFD2_Main.2/1-284	83	-----	QFSSGFVEVNP	-----	NSK	96					
3GX0 A_YfcG_E7ICSS_Main.2/1-204	38	-----	QFRPEFLRISP	-----	NNK	51					
1G6W A_E7KHF2_Main.2/1-234	52	-----	HRAPEFVSVNP	-----	NAR	65					
4ECI A_Q02KA8_Main.2/1-204	39	-----	QKAPEFLRINP	-----	NGR	52					
4IKH A_Q4KED9_Main.2/1-227	53	-----	QMTPEFLSVSP	-----	NNK	66					
Q03L82_Main.2/1-262	85	-----	QFGSDFVAINP	-----	NSK	98					
Q8DTN7_Main.2/1-263	85	-----	QFGSDFVAINP	-----	NSK	98					
A6B5E9_Main.2/1-285	86	-----	QFGSGFVAVNP	-----	NSK	99					
Q2RXK8_Main.2/1-229	38	-----	QFAPEFLAISP	-----	NNR	51					
Q4KH85_Main.2/1-213	38	-----	QFKPEFLKIA	-----	NNR	51					
1EEM A_P78417_Main.3/1-237	54	-----	NKPEWFFKKNP	-----	FGL	67					
P34345_Main.3/1-250	59	-----	DKLEWYWKHY	-----	QGK	72					
Q2KDI2_Main.3/1-227	38	-----	NKPDWFLEISP	-----	LGK	51					
Q8XW81_Main.3/1-224	40	-----	AKPDWFLALSP	-----	TGK	53					
Q9H4Y5_Main.3/1-243	58	-----	NKPEWYTKHP	-----	FGH	71					
Q9VSL2_Main.3/1-241	56	-----	EKPEWLVEVSP	-----	LLK	69					
Q9VSL3_Main.3/1-243	56	-----	DKPEWLLKPNP	-----	QGK	69					
Q9VSL4_Main.3/1-250	57	-----	EKPEWYIDYSP	-----	LGK	70					
Q9VSL5_Main.3/1-251	57	-----	EKPEWYKDFSP	-----	LGK	70					
Q9VSL6_Main.3/1-254	56	-----	DKPEWFSLVSS	-----	STK	69					
4HI7 A_B4KM86_Main.4/1-220	39	-----	QHSEEYLKKNP	-----	QHT	52					
3R2Q A_B3HZI4_Main.9_NO_DSB/1-202	35	-----	NADNGVAQFNP	-----	LGK	48					
A9CJG4_Main.9/1-198	35	-----	AEPATLMDNPNP	-----	LGK	48					
2R4V A_O15247_Main.10_NO_DSB/1-226	44	-----	-----DMTP	-----	GTN	50					
Q8LE52_Main.10/1-258	92	-----	NKPEWFLKISP	-----	EGK	105					
Q9FRL8_Main.10/1-213	46	-----	DKPQWFLDISP	-----	EGK	59					
Q9FWR4_Main.10/1-213	46	-----	DKPQWFLDISP	-----	QGK	59					
Q88LB2_Main.14/1-199	37	-----	NKPAELLALSP	-----	KGT	50					
Q129E0_Main.14/1-230	48	-----	SKPPEMLAASS	-----	KGT	61					
A9CKF2_Main.15/1-230	36	-----	ERRREFLALNP	-----	AGT	49					
2YCD A_A9CFJ9_Main.25/1-213	46	-----	MKEASHLAYQP	-----	FGQ	59					
B8H2E2_Main.25/1-217	43	-----	QDKTAYRAKQP	-----	FGQ	56					
B7UV05_Main/1-220	37	-----	GQPAWYREISP	-----	LGR	50					
1G7O A_B3BP81_R4.1/1-215	35	-----	DAETPTRMVG	-----	QKQ	47					
D0W558_R4.1/1-213	35	-----	DEATPIGMIG	-----	AKQ	47					
3PPU A_YqjG_B3VQJ7_Xi.1/1-314	91	P-----	AADSDPLNNAQHVKDLYLKVKPDY	-----	DGRFT	120					
3R3E A_C4ZR18_Xi.1/1-308	86	-----	ATGDTLYQNEFLYQLYLHADPHY	-----	SGRVT	113					
C7GXD4_Xi.1/1-370	88	LEDSEDFL	EHWHDVAGGI	RTAKEDSSKSFAEIKND	SQRFMVDATNEPHYGYKR	ISDLYYKSDPQY	SARFT	157			
P48239_Xi.1/1-356	73	PEKYKERFFT	ATGGIASAKL	-----	DESEELGDVNND	SARLFVDGAFDPVEN	ISRLSELYYLN	PKYPGTFKFT	140		
Q04806_Xi.1/1-366	88	KTNERHWFD	IAGGI	SSVNL	-----	NTSTPVAN	IPNNAHRL	LLVDGTDEPHYGYKR	RLSDFYFKTKPDY	KGRFT	153

1A0F A_E2KU21_Main.1/1-201	104 ELHKG F - TPLFRPD - - - - - TP - - - - - EEYKPTVRAQLEK 131
A9CII7_Main.1/1-208	102 PLEMAA - SMKAMGF - - - - - EVPK - - - - - EKLRMAGCGSYAD 131
A9CJU4_Main.1/1-219	112 E I ETNS - LKISSAI - - - - - AEGLAESDA - - - - - GKAVIDVAARLLKR 147
A9CJU5_Main.1/1-206	103 TVHVAH - AHGRRGS - - - - - RWANEDSSL - - - - - ADMKARVPKNMGE 137
A9CLG1_Main.1/1-203	106 VVEPVL - IMQAAGI - - - - - - - - - - SHPFVDFTFRSPAE 132
Q7D3T0_Main.1/1-211	104 E I H K G F - I P L L Y A K - - - - - Q A - - - - - G A Y L E T A T P K L E K 131
3C8E A_YghU_D6JFD2_Main.2/1-284	149 A - APFLGGGFGHFY - - - - - HYAP - VKI - - - - - EYAINRFTMEAKR 181
3GX0 A_YfcG_E7ICS5_Main.2/1-204	107 GLGPML - GQNHFFN - - - - - HAAP - QTI - - - - - PYA I E R Y Q V E T Q R 139
1G6W A_E7KHF2_Main.2/1-234	123 GHAPMI - GQALHFR - - - - - YFHS - QKI - - - - - ASAVERYTDEVRR 155
4ECI A_Q02KA8_Main.2/1-204	104 GVGPMQ - GQANVFF - - - - - RYFP - EKL - - - - - QGAIDRYQHETRR 136
4IKH A_Q4KED9_Main.2/1-227	121 G I G P M F - G Q V G F F N - - - - - K F A G R E Y E D - - - - - K R P L E R Y V N E A K R 155
Q03L82_Main.2/1-262	151 A - APFLGGGFGHFF - - - - - HYAP - EKI - - - - - EYAVNRFAMEAKR 183
Q8DTN7_Main.2/1-263	151 A - APFVGGGFGHFF - - - - - SYAP - EKL - - - - - EYPINRFTMETKR 183
A6B5E9_Main.2/1-285	152 S - APYLGGGFGHFY - - - - - AYAP - EKf - - - - - EYPINRFTMEVKR 184
Q2RXK8_Main.2/1-229	107 GLGPMA - GQAHHFR - - - - - QYAP - EPV - - - - - PYA I E R Y T N E V N R 139
Q4KH85_Main.2/1-213	107 GLGPMA - GQNHFFS - - - - - QFAP - EKI - - - - - P Y A I K R Y V D E T A R 139
1EEM A_P78417_Main.3/1-237	119 VPSLVG - SFIRSQN - - - - - - - - - - KEDYAGLKEEFRK 144
P34345_Main.3/1-250	123 VAHAVP - LLFAVMR - - - - - - - - - - DRTLKDEKQRKVE 149
Q2KDI2_Main.3/1-227	107 VLSDLW - GYETATE - - - - - - - - - - VEQL EAKRKALIA 132
Q8XW81_Main.3/1-224	109 T L A D A W - Q F L N A S D - - - - - - - - - - R T T S D D K R A A F R K 134
Q9H4Y5_Main.3/1-243	123 VPHLTK - ECLVALR - - - - - - - - - - CGRECTNLKAALRQ 149
Q9VSL2_Main.3/1-241	124 I T S A F I - N I L - - - - - - - - - - V Q G T G L E D Y W T 143
Q9VSL3_Main.3/1-243	124 VLGAFF - - - - - - - - - - - - - - - - K A S D G G D L E P F W S 142
Q9VSL4_Main.3/1-250	126 AVSAIY - PVLFT - - - - - - - - - - - - - - - - K N P P A D A I K N F E T 149
Q9VSL5_Main.3/1-251	125 VVSAIY - PVLTCN - - - - - - - - - - - - - - - - P N A P K D A I P N F E N 149
Q9VSL6_Main.3/1-254	124 F I N A F Y - Y L L L H - - - - - - - - - - - - - - - - D N P E Q L V D T D H Y A 147
4HI7 A_B4KM86_Main.4/1-220	104 VVFANALRSLAKMI - - - - - LFLG - KTE - - - - - - - - - - V P Q E R T D A T T E 135
3R2Q A_B3HZI4_Main.9_NO_DSB/1-202	100 I M D A G L - V S V R E Q A - - - - - R P A A - Q Q S - - - - - E D E L L R Q R E K I N R 132
A9CJG4_Main.9/1-198	99 I M D C L L - A I V Y E R R - - - - - F R P E D K I H - - - - - Q P W I D K Q W S K V V R 132
2R4V A_O15247_Main.10_NO_DSB/1-226	99 - - - - - A K F - S A Y I K - - - - - - - - - - N T Q - - - - - K E A N K N F E K S L L K 122
Q8LE52_Main.10/1-258	156 L K S - K D S G D G T E Q V L L D 171
Q9FRL8_Main.10/1-213	110 L K S - K D A N D G S E K A L V D 125
Q9FWR4_Main.10/1-213	110 L K S - K D S N D G S E H A L L V 125
Q88LB2_Main.14/1-199	102 T F K A H V - N L Y K Y A E - - - - - - - - - - R Y P - - - - - E H S R E H Y R Q Q A E A 130
Q129E0_Main.14/1-230	113 A F K R N L - D R Y K Y P N - - - - - R Y L E E A A E E T A - - - - - G D E A V F A E A H R T A G A A 152
A9CKF2_Main.15/1-230	105 K M E N D V - T R P L V R E - - - - - R V Y K L Q M T A A Q G G - - - - - G P P D S K L L R T A R N N I R Q 147
2YCD A_A9CFJ9_Main.25/1-213	108 T I E P S I - L N F T T V W - - - - - L F E R N E P W H - - - - - E A R L A R T K E Q L L K 142
B8H2E2_Main.25/1-217	105 T L E V P L - L Q L A E L N - - - - - I F S A G Q A W T - - - - - E G A R P K V E R W V R Q 139
B7UV05_Main/1-220	102 E I A P L A - T L T I F R N - - - - - R I L K P A M G Q A C - - - - - E E N D V R R A L E E K L P A 140
1G7O A_B3BP81_R4.1/1-215	92 K V N G Y A - N K L L L P R F A K S A F D E F S T P A A R K Y F V D K K E A S A G N F - - - - - A D L L A H S D G L I K N I S D 149
D0W558_R4.1/1-213	89 K V G S Y N - N K L V Q P R T V K I G L P E F A T A E A V K Y F T D K K E K N I G S F - - - - - S A N L N K T A Q Y L D R I H E 146
3PPU A_YqjG_B3VQJ7_Xi.1/1-314	180 T V N N G V - Y K S G F - - - - - A S T - - - - - - - - - - - - - - - - Q K A Y E A A V I P L F E 206
3R3E A_C4ZR18_Xi.1/1-308	170 T V N N G V - Y K A G F - - - - - A T S - - - - - - - - - - - - - - - - Q E A Y D E A V A K V F E 196
C7GXD4_Xi.1/1-370	218 S I N N G V - Y K T G F - A E K A E V Y E S E V N N V F E H L D K V E K I L S D K Y S K L K A K 263
P48239_Xi.1/1-356	202 K I N L G V - Y K V G L - A E N G K I Y E T E V K - T L F E N L Q M E C V L K E N Y K R L E E 246
Q04806_Xi.1/1-366	214 K I N N G V - Y K A G F - A E C A E V Y E R E V T S L F Q Y L D K L E N L L D K K Y T D L E A E 259

1A0F A_E2KU21_Main.1/1-201	132 KLQYVNEALKDE - - - - - HWICGQRF T I ADAYLFTVLRWAY - - AVK - - - - - 169
A9CII7_Main.1/1-208	132 VMN T L E R A V S E N - - - - - R F I A G D L F T A A D V Y V G A H V G W G L - - H F - - - - - 168
A9CJU4_Main.1/1-219	148 P L R V L E Q H L A T H - - - - - D Y L V G D R F T V A D L N V A E I V R Y A Q - - G H Q - - - - - 185
A9CJU5_Main.1/1-206	138 C F E L I E H G M L H G - - - - - P W V L G T A Y S V A D P Y L F V M S G W L E - - S D G - - - - - 175
A9CLG1_Main.1/1-203	133 L A A R L E T A L K D C - - - - - P Y L M G E R Y T A V D L L L H S P F A W C P - - - - - 167
Q7D3T0_Main.1/1-211	132 R Y A W I D N L L A S Q - - - - - R F L M G E N F T V A D A Y L F A L T S W G Q - - A S W L K S Y Y G - - - - - A D 177
3C8E A_YghU_D6JFD2_Main.2/1-284	182 L L D V L D K Q L A Q H - - - - - K F V A G D E Y T I A D M A I W P W F G N V V - L G G V Y D A A E - - - - - F 226
3GX0 A_YfcG_E7ICS5_Main.2/1-204	140 L Y H V L N K R L E N S - - - - - P W L G G E N Y S I A D I A C W P W N A W T - - R Q - - - - - R 177
1G6W A_E7KHF2_Main.2/1-234	156 V Y G V V E M A L A E - - - - - R R E A L V M E L D D Y P V L V G D K L T I A D L A F V P W N V V D - - R I - - - - - G 205
4EC A_Q02KA8_Main.2/1-204	137 L Y E V L D G R L G E A - - - - - E Y L A G - D Y S I A D I A T Y P W V R I H D - - W S - - - - - G 173
4IKH A_Q4KED9_Main.2/1-227	156 L L G V L D K H L G G R - - - - - E W I M G E R Y T I A D I A T F P W I R N L I - - G F Y E A G E - - - - - L 198
Q03L82_Main.2/1-262	184 Q L D L L D K E L A T K - - - - - P Y I S G D E Y T I A D I A I W S W Y G R L A Q D K I W D K A G I - - - - - F 229
Q8DTN7_Main.2/1-263	184 Q L D L L N K E L A N K - - - - - P Y I A G E D Y T I A D I A I W S W Y G R L A Q D A L Y E G A Y K - - - - - F 229
A6B5E9_Main.2/1-285	185 Q L D V L D K R L A N N - - - - - A F L G G D E Y S I A D I A T W P W Y G N L V - L G R A Y D A A E - - - - - F 229
Q2RXK8_Main.2/1-229	140 L Y G V M N K R L A D R - - - - - D Y L A G - A Y S I A D M A S W P W V V S H A - - N Q - - - - - G 176
Q4KH85_Main.2/1-213	140 L Y G V L D R R L A D R - - - - - K F V A G S D Y S I A D M A I Y P W I A S Y K - - K Q - - - - - S 177
1EEM A_P78417_Main.3/1-237	145 E F T K L E E V L T N - - - - - K K T - - - - - T F F G G N S I S M I D Y L I W P W F E R L E - - A M K L - - - - - N 186
P34345_Main.3/1-250	150 V L K Q A E N L L A N - - - - - D F Y A G S Q P G Y P D Y L S F P F F E K I W - - W S A S L D G V V D L P T I E F 199
Q2KDI2_Main.3/1-227	133 K F A T L E G V L A D G - - - - - P Y F S G S S F S L V D A V F A P I F R Y F D - - V F E R L G D - - - - - S 175
Q8XW81_Main.3/1-224	135 K L Q Q L E K A V A A E - - - - - P Y F S G S T F S M V D A V Y A P L F R Y F D - - I L D P K V S - - - - - Q 177
Q9H4Y5_Main.3/1-243	150 E F S N L E E I L E Y - - - - - Q N T - - - - - T F F G G T C I S M I D Y L L W P W F E R L D - - V Y G I - - - - - L 191
Q9VSL2_Main.3/1-241	144 A L D I F E E E L T K - - - - - R G T - - - - - P Y F G G N K P G F V D Y M I W P W F E R L S - - V I E L K L Q K E - - - - - Y N 191
Q9VSL3_Main.3/1-243	143 G L D I Y E R E L A R - - - - - R G T - - - - - E F F G G E Q T G I L D Y M I W P W C E R L E - - L L K L Q R G E D - - - - - Y N 190
Q9VSL4_Main.3/1-250	150 A L D V F E Q E I T K - - - - - R G T - - - - - P Y F G G N K I G I A D Y M I W P W F E R F P - - A L K Y T L D E P - - - - - Y E 197
Q9VSL5_Main.3/1-251	150 A L D V F E V E L G K - - - - - R G T - - - - - P Y F A G Q H I G I V D Y M I W P W F E R F P - - S M K I N T E Q K - - - - - Y E 197
Q9VSL6_Main.3/1-254	148 G L V V Y E E E L K R - - - - - R C T - - - - - K F F G G D S P G M L D Y M M W P W C E R F D - - S L K Y T F E Q K - - - - - F E 195
4HI7 A_B4KM86_Main.4/1-220	136 A Y D F V E A F K D Q - - - - - T Y V A G N Q L T I A D F S L I S S I S S L V - - A F - - - - - V 173
3R2Q A_B3HZI4_Main.9_NO_DSBR/1-202	133 S L D V L E G Y L V D - - - - - G T L K T D T V N L A T I A I A C A V G Y L N - - F R R V A - - - - - P 172
A9CJG4_Main.9/1-198	133 G L D H L N A N L P - - - - - - K T G K K L H G G H F A L A A M I G Y L D - - L R F A G - - - - - 168
2R4V A_O15247_Main.10_NO_DSBR/1-226	123 E F K R L D D Y L N T P L L D E I D P D S A E E P P V S R R L F L D G D Q L T L A D C S L L P K L N I I K - - V A A K K Y R D - - - - - F 184
Q8LE52_Main.10/1-258	172 E L T T F N D Y I K D N - - - - - G P F I N G E K I S A A D L S L A P K L Y H M K - - I A L G H Y K N - - - - - W 216
Q9FRL8_Main.10/1-213	126 E L E A L E N H L K T - - - - - H S G - - - - - P F V A G E K I T A V D L S L A P K L Y H L E - - V A L G H Y K N - - - - - W 171
Q9FWR4_Main.10/1-213	126 E L E A L E N H L K S - - - - - H D G - - - - - P F I A G E R V S A V D L S L A P K L Y H L Q - - V A L G H F K S - - - - - W 171
Q88LB2_Main.14/1-199	131 W L A E L E G L L A G R - - - - - A Y L L A D H P S M A D A A L L P L M R Q F A - - G V E P Q W - - - - - 171
Q129E0_Main.14/1-230	153 W L G R L E L M L E Q H - - - - - G C L F G A Q A S L A D M A L L P F V R Q F A - - H T D A A W - - - - - 193
A9CKF2_Main.15/1-230	148 H I K Y L E W L A G S R - - - - - T W L A G D R L S Y A D L A A A A G V S V L D - - Y L G E - - - - - 186
2YCD A_A9CFJ9_Main.25/1-213	143 R L D E L S A W L G D R - - - - - E W L E G - S F S A A D I L M I C V L R R L E - - S S - - - - - 178
B8H2E2_Main.25/1-217	140 R L G Q L A A R L G D K - - - - - T Y L D G E T F T A G D L L V A D V L R Q A P - - D A M L - - - - - 178
B7UV05_Main.1/1-220	141 H F D Y L E N H L D G R - - - - - A F F V G E R L T L A D L A I A S Q L V N L R - - H A G E - - - - - N 180
1G7O A_B3BP81_R4.1/1-215	150 D L R A L D K L I V K - - - - - P N A V N G E L S E D D I Q L F P L L R N L T - - L V A - - - - - G 187
D0W558_R4.1/1-213	147 D L N D L D G L M H E V - - - - - S D G I N G E I G M E D I L I F P I L R N L T - - V V R - - - - - G 185
3PPU A_YqjG_B3VQJ7_Xi.1/1-314	207 S L D R L E K M L E G Q - - - - - D Y L I G G Q L T E A D I R L F V T I V R F D - - P V Y V T H F K C - - - - - N L 252
3R3E A_C4ZR18_Xi.1/1-308	197 S L A R L E Q I L G Q H - - - - - R Y L T G N Q L T E A D I R L W T T L V R F D - - P V Y V T H F K C - - - - - D K 242
C7GXD4_Xi.1/1-370	264 Y G E E D R Q K I L G E - - - - - F F T V G D Q L T E A D I R L Y T T V I R F D - - P V Y V Q H F K C - - - - - N F 309
P48239_Xi.1/1-356	247 Q F S G N K Q K I L A K - - - - - Y F V L G Q R L T E A D I R L Y P S I I R F D - - V V Y V Q H F K C - - - - - N L 292
Q04806_Xi.1/1-366	260 Y G K N N K D K I L D R - - - - - Y F A I G D T L T E A D I R L Y P T I V R F D - - V V Y H Q H F K C - - - - - N L 305

1A0F A_E2KU21_Main.1/1-201	170 LNL - EGLEHIAAFMQRMA - ERPEVQDALSAEGL - - K - - - - -	201
A9CII7_Main.1/1-208	169 GTI - EKRPFTDYMAHLT - DRPAFKRAAQLDEE - - AAK - - - - -	208
A9CJU4_Main.1/1-219	186 PLF - DAHPALKAWLARCQ - ARTAFKSMWDSRTA - - EAA - - - - -	219
A9CJU5_Main.1/1-206	176 VDI - ARFPKVHDHFRMRN - DRPAVQRAL EGERG - - - - -	206
A9CLG1_Main.1/1-203	168 AAT - PESDVVKAWI ERCG - ERPSLQWTANYDAC - - TVVAA - - - - -	203
Q7D3T0_Main.1/1-211	178 IHF - DDLLNLRGWYERVK - ERDAVKQSILEEGL - - SL S - - - - -	211
3C8E A_YghU_D6JFD2_Main.2/1-284	227 LDA - GSYKHVQRWAKEVG - ERPAVKRGRIVNRT - - NGP - LNEQLHERHDA SDFETNTEDKRQG - - - - -	284
3GX0 A_YfcG_E7ICS5_Main.2/1-204	178 IDL - AMYPAVKNWHERIR - SRPATGQALL - - - - -	204
1G6W A_E7KHF2_Main.2/1-234	206 INIKIEFPEVYKWKHMM - RRPVAVIKALRG - - - - -	234
4ECI A_Q02KA8_Main.2/1-204	174 VAV - DGLDNLQRWIAAIE - ARPAVQRGLLVPRR - - - - -	204
4IKH A_Q4KED9_Main.2/1-227	199 VGI - DNFPEVKRVLAKFV - ARPAVIRGLEIP - - - - -	227
Q03L82_Main.2/1-262	230 LDV - KEYKHLQAWTEKIA - NRPAVKRGLVEVEYK - - EI - - - - -	262
Q8DTN7_Main.2/1-263	230 LAL - GTYQHLWDTERIA - QRPVAVKRAL EVDYK - - AIK - - - - -	263
A6B5E9_Main.2/1-285	230 LDV - ESYKNVVRWAKAID - EREGVKRGRIVNRS - - WGE - EWEQLAERHSAVDIDNVL - - KLP - - - - -	285
Q2RXK8_Main.2/1-229	177 QSL - DDFPNLKRWFDAIG - ARPAVQRGMALGAD - - LRE - ANANTTPEARAVLFGQKAR - - - - -	229
Q4KH85_Main.2/1-213	178 QKL - EDFPNLQRWFNSIQ - ARPATERAYALVEQ - - VNPAS - - - - -	213
1EEM A_P78417_Main.3/1-237	187 ECV - DHTPKLKLWMAAMK - EDPTVSALLTSEKD - - WQGFLLELYLQN - - - - - SPEACDYGL - - - - -	237
P34345_Main.3/1-250	200 PGE - EEPKLTkwfQKMI - SSDVVQSVTQSL E - - GA AFMNA YATH - - - - - QELNYDLGL - - - - -	250
Q2KDI2_Main.3/1-227	176 G I F - AGLERVTRWR I ALG - ERRSVKDAVGEDY PQR LMEFLDKHESI - - - - - LLRLPAAA - - - - -	227
Q8XW81_Main.3/1-224	178 P I F - EGLPRVKAWRAALG - ARESVI AAVGEDYAERFQGHRLRLHQAL - - - - - LAN - - - - -	224
Q9H4Y5_Main.3/1-243	192 DCV - SHTPALRLWI SAMK - WDP TVC ALLMDKSI - - - - - FQGFLNLYFQN - - - - - NPNAFDF - - - - - GLC - - - - -	243
Q9VSL2_Main.3/1-241	192 FNE - SRFPK I TKWIALLK - ADSVVQSFYATPEQ - - HNEFWRTRKAG - - - - - NAN - YD LLA - - - - -	241
Q9VSL3_Main.3/1-243	191 YDQ - SRFPQLTLWL ERMK - RDPAVMAFYMEAEV - - QAEFLRTRSLG - - - - - RPN - YNL - - - - - LVKDA - - - - -	243
Q9VSL4_Main.3/1-250	198 LDK - TRYQNL L KWRDLVA - QDEAVKATALDARI - - HAKFMKTRHEN - - - - - KPD - YDV - - - - - AFQPL - - - - -	250
Q9VSL5_Main.3/1-251	198 LDT - KRFEK L KWRDLMT - QDEVVQKTALDVQL - - HAEFQKSKTLG - - - - - NPQ - YDI - - - - - AFKGT - - - - -	251
Q9VSL6_Main.3/1-254	196 LSP - ERFP T L I KWRDLMI - QDRAVKCYLDGQT - - HAKYMN SRRSG - - - - - QAD - YNM - - - - - LYNEAKRVKLG - - - - -	254
4HI7 A_B4KM86_Main.4/1-220	174 PVDAAKYPKL SAWI KRLE - QLPYYAENSTGAQQ - - FVAAVKSKPFT - - - - - VVGA - - - - -	220
3R2Q A_B3HZI4_Main.9_NO_DSBR/1-202	173 GWX - VDRPHLVKL V ENLF - SRESFARTEPPKA - - - - -	202
A9CJG4_Main.9/1-198	169 - EWAEGRDALAAWPETFG - KRFDAYAEMKAAA - - - - -	198
2R4V A_O15247_Main.10_NO_DSBR/1-226	185 DIP - AEFSGVWRYLHNAY - AREEFTHTCPEDKE - - IENTYANVAKQ - - - - -	226
Q8LE52_Main.10/1-258	217 SVP - DSLPFVKS YMENVF - SRESFTNTRAETED - - VIAGWRPKVMG - - - - -	258
Q9FRL8_Main.10/1-213	172 SVP - ESLTSVRN YAKALF - SRESFENTKAKKEI - - - - - VVAGWESKUNA - - - - -	213
Q9FWR4_Main.10/1-213	172 SVP - ESFPHVHN YMKTLF - SLDSFEKT KTEEKY - - - - - VI SGWAPKVNP - - - - -	213
Q88LB2_Main.14/1-199	172 - FAEAA YPRVRSWLEGL - ASELFKAIMVR - - - - -	199
Q129E0_Main.14/1-230	194 - FTAQPWPR LQAWLAGFE - ASALYQSVMEKHAP - - WRA - ASE - - - - -	230
A9CKF2_Main.15/1-230	187 INW - LEAPI AKEWYQVRK - SRPSFRPFLSERIP - - RLAPSSH YADLDF - - - - -	230
2YCD A_A9CFJ9_Main.25/1-213	179 GIL - KDYGNL LAYVERGK - ARP AFKRAFDAQLA - - VFTA - - - - -	213
B8H2E2_Main.25/1-217	179 - - - AETPTLVAYRDRCT - ARP AFKALAAQLA - - DLN - - - - - GPPPPGWG - - - - -	217
B7UV05_Main/1-220	181 LDE - QRWPALAAHFARML - ERPAMQALLPGERR - - TLDKLA AKA - - - - -	220
1G7O A_B3BP81_R4.1/1-215	188 INW - - - PSRVADYRDNMA - - KQTQINL - - - - - LSSMAI - - - - -	215
D0W558_R4.1/1-213	186 IEW - - - PQKVMGYLMTMS - - EKSGVPL - - - - - YFDRAL - - - - -	213
3PPU A_YqjG_B3VQJ7_Xi.1/1-314	253 RTIRDGYPNLHRWMRKL YWGNPAFKDTCNFEHI - - KTH - YFWSHTF - - - - - INPHRIVP - - IGPIPDILPLD - - - - -	314
3R3E A_C4ZR18_Xi.1/1-308	243 HRIS - DYLN L YGFLRDIY - QMPGIAETVNFDHI - - RNH - YFRSHKT - - - - - INPTGIS - - IGPWQDLDEPHG - - - - -	303
C7GXD4_Xi.1/1-370	310 T SIRAGY PFIHLWVRNL YWN YDAFRYTTDFDHI - - KLH - YTRSHTR - - - - - INPLGITP - - LGPKPIDRPL - - - - -	370
P48239_Xi.1/1-356	293 KTI RDGFPYLHLWLNLYWN YAEFRFTTDFNHI - - KLF - YIRMEVSRNKINQFGIVP - - LGPKPDISRL - - - - -	356
Q04806_Xi.1/1-366	306 ATIRDDYSRIHTWLN IYWRHEAFQRTTDFTHI - - KLG - YTRSQPR - - - - - VNPIGITP - - LGPKPIDIRPP - - - - -	366

1A0F A_E2KU21_Main.1/1-201	- - - - -
A9CII7_Main.1/1-208	- - - - -
A9CJU4_Main.1/1-219	- - - - -
A9CJU5_Main.1/1-206	- - - - -
A9CLG1_Main.1/1-203	- - - - -
Q7D3T0_Main.1/1-211	- - - - -
3C8E A_YghU_D6JFD2_Main.2/1-284	- - - - -
3GX0 A_YfcG_E7ICS5_Main.2/1-204	- - - - -
1G6W A_E7KHF2_Main.2/1-234	- - - - -
4ECI A_Q02KA8_Main.2/1-204	- - - - -
4IKH A_Q4KED9_Main.2/1-227	- - - - -
Q03L82_Main.2/1-262	- - - - -
Q8DTN7_Main.2/1-263	- - - - -
A6B5E9_Main.2/1-285	- - - - -
Q2RXK8_Main.2/1-229	- - - - -
Q4KH85_Main.2/1-213	- - - - -
1EEM A_P78417_Main.3/1-237	- - - - -
P34345_Main.3/1-250	- - - - -
Q2KDI2_Main.3/1-227	- - - - -
Q8XW81_Main.3/1-224	- - - - -
Q9H4Y5_Main.3/1-243	- - - - -
Q9VSL2_Main.3/1-241	- - - - -
Q9VSL3_Main.3/1-243	- - - - -
Q9VSL4_Main.3/1-250	- - - - -
Q9VSL5_Main.3/1-251	- - - - -
Q9VSL6_Main.3/1-254	- - - - -
4HI7 A_B4KM86_Main.4/1-220	- - - - -
3R2Q A_B3HZI4_Main.9_NO_DSBR/1-202	- - - - -
A9CJG4_Main.9/1-198	- - - - -
2R4V A_O15247_Main.10_NO_DSBR/1-226	- - - - -
Q8LE52_Main.10/1-258	- - - - -
Q9FRL8_Main.10/1-213	- - - - -
Q9FWR4_Main.10/1-213	- - - - -
Q88LB2_Main.14/1-199	- - - - -
Q129E0_Main.14/1-230	- - - - -
A9CKF2_Main.15/1-230	- - - - -
2YCD A_A9CFJ9_Main.25/1-213	- - - - -
B8H2E2_Main.25/1-217	- - - - -
B7UV05_Main/1-220	- - - - -
1G7O A_B3BP81_R4.1/1-215	- - - - -
D0W558_R4.1/1-213	- - - - -
3PPU A_YqjG_B3VQJ7_Xi.1/1-314	- - - - -
3R3E A_C4ZR18_Xi.1/1-308	304 RD VR F
C7GXD4_Xi.1/1-370	- - - - -
P48239_Xi.1/1-356	- - - - -
Q04806_Xi.1/1-366	- - - - -