

ASN #	Ldr-19 Ldr-18 Ldr-17 Ldr-16 Ldr-15 Ldr-14 Ldr-13 Ldr-12 Ldr-11 Ldr-10 Ldr-9 Ldr-8 Ldr-7 Ldr-6 Ldr-5 Ldr-4 Ldr-3 Ldr-2 Ldr-1 KV1 KV2 KV3 KV4 KV5 KV6 KV7 KV8 KV9 KV10 KV11 KV12 KV13 KV14 KV15 KV16 KV17 KV18 KV19 KV20 KV21 KV22 KV23 KV24 KV25 KV26 KV27 KV28 KV29 KV30 KV31	MiscLdr Sig	KV FR1	KV CDR1	ASN #	3BNC117_LC																																																																																														
MatureLinear #	M	G	W	S	C	I	L	I	L	F	L	V	L	A	T	A	T	G	V	H	S	D	I	Q	M	T	Q	S	P	S	L	S	A	S	V	G	D	T	V	T	I	T	C	Q	A	-	25.1	-	25.2	-	25.3	-	25.4	-	25.5	-	N																																											
ASN #	KV32 KV33 KV34 KV35 KV36 KV37 KV38 KV39 KV40 KV41 KV42 KV43 KV44 KV45 KV46 KV47 KV48 KV49 KV50 KV51 KV52 KV53 KV54 KV55 KV56 KV57 KV58 KV59 KV60 KV61 KV62 KV63 KV64 KV65 KV66 KV67 KV68 KV69 KV70 KV71 KV72 KV73 KV74 KV75 KV76 KV77 KV78 KV79 KV80 KV81	KV CDR1	KV FR2	KV CDR2	KV FR3	ASN #	3BNC117_LC																																																																																													
MatureLinear #	G	-	27.1	-	27.2	-	27.3	-	27.4	-	27.5	-	27.6	-	27.7	-	Y	L	N	W	Y	Q	Q	R	R	G	K	A	P	K	L	L	I	Y	D	-	46.1	-	46.2	-	46.3	-	46.4	-	46.5	-	46.6	-	46.7	-	46.8	-	G	S	K	L	E	R	G	V	P	S	R	F	S	R	F	S	G	R																														
ASN #	KV82 KV83 KV84 KV85 KV86 KV87 KV88 KV89 KV90 KV91 KV92 KV93 KV94 KV95 KV96 KV97 KV98 KV99 KV100 KV101 KV102 KV103 KV104 KV105 KV106 KV107 KV108 KV109 KV110 KV111 KV112 KV113 KV114 KV115 KV116 KV117 KV118 KV119 KV120 KV121 KV122 KV123 KV124 KV125 KV126 KV127 KV128 KV129 KV130 KV131	KV FR3	KV CDR3	ASN #	3BNC117_LC																																																																																															
MatureLinear #	R	W	G	-	82	-	83	-	84	-	84.1	-	84.2	-	85	-	Q	E	Y	N	L	T	I	N	N	L	Q	P	E	D	I	A	T	Y	F	C	Q	V	-	86.1	-	86.2	-	86.3	-	86.4	-	86.5	-	86.6	-	86.7	-	86.8	-	86.9	-	86.10	-	86.11	-	86.12	-	86.13	-	86.14	-	86.15	-	86.16	-	86.17	-	86.18	-	86.19	-	86.20	-	86.21	-	86.22	-	86.23	-	86.24	-	86.25	-	86.26	-	86.27	-	86.28	-	86.29	-	86.30	-	86.31
ASN #	KV132 KV133 KV134 KV135 KV136 KV137 KV138 KV139 KV139.1 KV140 KV141 KV142 KV143 KV144 KV145 KV146 KV147 KV148 KV149 KV150 KV151 KV152 KV153 KV154 KV155 KV156 KV157 KV158 KV159 KV160 KV161 KV162 KV163 KV164 KV165 KV166 KV167 KV168 KV169 KV170 KV171 KV172 KV173 KV174 KV175 KV176 KV177 KV178 KV179 KV180 KV181	KV CDR3	KV FR4	Kappa Constant Ig Domain	ASN #	3BNC117_LC																																																																																														
MatureLinear #	-	86.24	-	86.25	-	86.26	-	86.27	-	86.28	-	87	-	88	-	89	-	90	-	91	-	92	-	93	-	94	-	95	-	96	-	97	-	98	-	99	-	100	-	100.1	-	101	-	102	-	103	-	104	-	105	-	106	-	107	-	108	-	109	-	110	-	111	-	112	-	113	-	114	-	115	-	116	-	117	-	117.1	-	117.2	-	118	-	119	-	120	-	121	-	122	-	123	-	124	-	125	-	126				
ASN #	KCnstlg32 KCnstlg33 KCnstlg34 KCnstlg35 KCnstlg36 KCnstlg37 KCnstlg38 KCnstlg39 KCnstlg40 KCnstlg41 KCnstlg42 KCnstlg43 KCnstlg44 KCnstlg45 KCnstlg46 KCnstlg47 KCnstlg48 KCnstlg49 KCnstlg50 KCnstlg51 KCnstlg52 KCnstlg53 KCnstlg54 KCnstlg55 KCnstlg56 KCnstlg57 KCnstlg58 KCnstlg59 KCnstlg60 KCnstlg61 KCnstlg62 KCnstlg63 KCnstlg64 KCnstlg65 KCnstlg66 KCnstlg67 KCnstlg68 KCnstlg69 KCnstlg70 KCnstlg71 KCnstlg72 KCnstlg73 KCnstlg74 KCnstlg75 KCnstlg76 KCnstlg77 KCnstlg78 KCnstlg79 KCnstlg80 KCnstlg81	Kappa Constant Ig Domain	ASN #	3BNC117_LC																																																																																																
MatureLinear #	L	L	N	N	F	Y	P	-	-	R	E	A	K	V	Q	W	-	K	V	D	N	A	L	Q	S	G	N	S	Q	E	S	V	T	E	Q	D	-	151	-	152	-	153	-	154	-	155	-	156	-	157	-	158	-	159	-	159.1	-	159.2	-	159.3	-	160	-	161	-	162	-	163	-	164	-	165	-	166	-	167	-	168	-	169																				
ASN #	KCnstlg82 KCnstlg83 KCnstlg84 KCnstlg85 KCnstlg86 KCnstlg87 KCnstlg88 KCnstlg89 KCnstlg90 KCnstlg91 KCnstlg92 KCnstlg93 KCnstlg94 KCnstlg95 KCnstlg96 KCnstlg97 KCnstlg98 KCnstlg99 KCnstlg100 KCnstlg101 KCnstlg102 KCnstlg103 KCnstlg104 KCnstlg105 KCnstlg106 KCnstlg107 KCnstlg108 KCnstlg109 KCnstlg110 KCnstlg111 KCnstlg112 KCnstlg113 KCnstlg114 KCnstlg115 KCnstlg116 KCnstlg117 KCnstlg118 KCnstlg119 KCnstlg120 KCnstlg121 KCnstlg122 KCnstlg123	Kappa Constant Ig Domain	ASN #	3BNC117_LC																																																																																																
MatureLinear #	T	L	T	L	S	K	A	D	Y	-	E	K	H	K	V	-	183.1	-	184	-	185	-	187	-	188	-	189	-	190	-	191	-	192	-	193	-	194	-	194.1	-	197	-	198	-	199	-	200	-	201	-	202	-	203	-	204	-	205	-	206	-	206.1	-																																						