

FIG. 1A
Kabat – Light chains

Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	
Consensus	-##MtQrP%lP#S#G- #t#tC+tSz##%tng%t %##%z pgztp #%%# %t tg p- %gttgtgt- t# #t #z#z-g##%#zgt# p t gggt z																							
1: LP004_VL	DIQMTQSPASISASVGEITVITCRASGNVHNVFAWYQQKPKPQLLVYNAKTPEPDPVPRFSGSGSTQYSLKINSIQPEDFGSYCCQHEWSPRTFTGAGTKLEIK																							
3: LP009_VL	DIVMSQSPSLAVSVGEKVTMSCKSSQSETHKSTNGENFAWYQQKPGQSPKLLIYWASSRESGVPRDRTGSGGTDFTLTISSVKAEDLAVYQCQQWASPRRTFGGGTKLEIK																							
5: LP022_VL	DVVMTQTPLSLPVSLGDAQASISCRSSQSEVHNGEYFAWYLOKPGQSPKLLIYRYSNRESGVPRDFGSGSGTDFTLKISRVAEADIGVYFCQGTHVPRRTFGGGTKLEIK																							
7: LP023_VL	DVVMTQTPLSLPVSLGDHASISCRSSQSEVHSGTHFAWYLOKPGQTPKLLIYRYSNRESGVPRDFSGSGSGTDFTLKISVVAEADIGVYFCQGTHVPRRTFGGGTKLEIE																							
9: LP024_VL	DVVMTQTPLSLPVSLGDAQASISCRSSQSEVHSGNHFAWYLOKPGQSPKLLIYRYSNRESGVPRDFSGSGSGTDFTLKISRVAEADIGVYFCQGTHVPRRTFGGGTKLEIK																							
11: LP052_VL	SIVMTQTPKFLVSGDRVITITCKASQSVSNDAWYQQKPGQSPKLLIYWASNRTGVPRDFTGSGYGTDFTTISTVQAEADLAVYFCQQDASPRRTFGAGTKLEIK																							

FIG. 1B
Kabat – Heavy chains

Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
Consensus	z#zLzpGiz##+pg t# LtC+#Sg#t#t ##M###+z+pg g#z#g #npnnggt- nz#++ +%t#t#+tttt%#z#t%tz- t%###%# gtgtg#%- %gzgtt t																							
2: LP004_VH	QVQLQQPGAELVKGASVKLSCKASDYTFINWVHWVKQRPGRGLEWIGREDASGGTERANKEKATLTVDKPSSTAYNHLSLTSEDSAVYYCAGDEPWGTTVTIVSS																							
4: LP009_VH	EVQLVESGGALVQPGGSLSLSCASGFTFTDVAWSVVRQPPGKALEWLAIRNKAQKGFTEYSASVKGRFTISRDNSSQSLILFQMDIRADDSATYYCVRDINWVGQGTLLTVSS																							
6: LP022_VH	QVQLQQPGTELVKPGSSVNLSCASGFTFTRMVHWVKERPCHGLEWIGVENNNGGDENKEKATLTVHKSSTTVFIOQLSSLTSEDSAVYYCARGTGTGAVDMWGQGTSVT																							
8: LP023_VH	QVQLQQPGTELVKPGASVKLSCKASGYTFTEWVHWVKQRPCHGLEWIGKINPANGGDANKEKSKATLTVDKSSTAYLQQLSSLTSEDSAVYYCARGTGTGAVDMWGQGTSVT																							
10: LP024_VH	QVQLQQPGTELVKPGASVKLSCKASGYTFTEWVHWVKQRPQCGLEWIGVENNNGGDNNEFEKSKATLTVDRSSSTAYWQLSSLTSEDSAVYYCARGTGTGAVDMWGQGTSVT																							
12: LP052_VH	QITILKESPGIILQSSQTLTSLTCSFGSFLSTANGVSWIRQPSGSGLEWLAHAWMDDDKRNPESEKSLTISKDTSRNQVFLKITSVDTADTATYYCARRRRGVGNDMWGQGTSV																							

FIG. 2A
Chothia – Light chains

Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	
Consensus	-##MtQrP%Lp\$G- #t#C+tSz##tng%t %##%z pgztp #%%# %t tg p- %gttgtgt- t# #t #z%-g##%#zgt# p t gggt z																							
1: LP004_VL	DIQMTQSPASISASVGEITVTITCRASGNVHHNFAWYQQKQSPQLLVYNAKTPEKPGVPRFSGSGSGTQYSLKINSIQPEDFGSYCCQHEWSPRTFGAGTKLEIK																							
3: LP009_VL	DIVMSQSPSLAVSVGEKVTMSCKSSQSEIETSTNGENFAWYQQKPGQSPKLLIYWASSRESGVPRDFTGSGSGDTFTLTISVKAEDLAVYQCQQWASPRRTFGGGTKLEIK																							
5: LP022_VL	DVVMTQTPLSLPVSLGDAQSISCRSSQSEVHNNGEYFAWYLOKPGQSPKLLIYRYSNRFSGVPRDFRGGSGSGDTFTLKTISRVAEADLGVIYFCQGGTHVPRRTFGGGTKLEIK																							
7: LP023_VL	DVVMTQTPLSLPVSLGDHASISCRSSQSEVHSGTHHFAWYLOKPGQTPKLLIYRYSNRFSGVPRDFRSGSGSGDTFTLKTSSVEAEDLGVIYFCQGGTHVPRRTFGGGTKLEIE																							
9: LP024_VL	DVVMTQTPLSLPVSLGDAQSISCRSSQSEVHSGNHFAWYLOKPGQSPKLLIYRYSNRFSGVPRDFRSGSGSGDTFTLKTISRVAEADLGVIYFCQGGTHVPRRTFGGGTKLEIK																							
11: LP052_VL	SIVMTQTPKFLVSGADRVITITCKASQSVSNDAWYQQKPGQSPKLLIYWASNRCGVPRDFTGSGYGTDTFTTISTVQAEADLAVYFCQDDASPRRTFGAGTKLEIK																							

FIG. 2B
Chothia – Heavy chains

Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	
Consensus	z#zLzpzGiz##+pg t# lC+#Sg#t#t ##M###+z+pg g#z#g# #npnnggt- nz#+# +%t#t#++tttt%##z#t%ttz- %###+gtgtg#%- %gzggtt t																								
2: LP004_VH	QVQLQQPGAELVKPGASVKLSCKASDYNKPTFMHWVKQRPGRGLEWIGRIDENSGGTPRYNEKFKNKATLTVDKPSSTAYNHHLSLTSEDSAVYYCAGDEPWGTTGTTVTVSS																								
4: LP009_VH	EVQLVESGGALVQPGGSLSLSCAASGFPRDQWYMWVSRQPPGKALEWLAIRNKAKGFTETYSASVKGRFTISRDNQSQILLFQMDLRADDSATYYCVRDINWVGQGTLLTVSS																								
6: LP022_VH	QVQLQQPGTELVKPGSSVNLSCKASGFPRDQWYMWVKRPGHGLEWIGINENNGGDDFNKFKNKATLTVHKSSFTVFIOQLSLTSEDSAVYYCARGTGTGAVDMWGQGTSTV																								
8: LP023_VH	QVQLQQPGTELVKPGASVKLSCKASGATFTHFAWYVKQRPGHGLEWIGKINPANGGGDYNKFKSKATLTVDKSSITAYLQLSLTSEDSAVYYCARGTGTGAVDMWGQGTSTV																								
10: LP024_VH	QVQLQQPGTELVKPGASVKLSCKASGATFTHFAWYVKQRPGGLEWIGINENNGGDDNRRFKSKATLTVDPRSSSTAYWQLSLTSEDSAVYYCARGTGTGAVDMWGQGTSTV																								
12: LP052_VH	QITLKESGPGILQSSQTLTSLTCSFGSEISTANGVSNIRQPSGEGLEWLAHINWDDDKRYNPSPSLKSLRTISKDTSRNQVFLKITSVDTDATATYYCARRRRGVGNMDWGQGTSTV																								

FIG. 3A

IMGT – Light chains

Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	
Consensus	-##MtQr%tLp#S#G- #t#tC+tSz#t#%tng%t %##%#z pgztp #%%# %t tg p- %gttgtgt- t# #t #t#z#z-g##%#%zgt# p t gggt z																							
1: LP004_VL	DIQMSQSPASISASVGEITVTITCRASGVNHVIAWYQQPQKSPQLIVYNAKTLIPDGVPRFSGSGSTQYSLKINSIQPEDFGSYCCQHEWSPRTFFGAGTKLEIK																							
3: LP009_VL	DIVMSQSPSSIAVSVGEKVTMSCKSSQSEHNSINQENLIAWYQQKPGQSPKLLIYWASRESGVPRDFTGSGGTDFTLTISVKAEDLAVYQCQQWASMPRTFGGGTKLEIK																							
5: LP022_VL	DVWMTQPLSLPVSIGDQASISCRSSQSEVHNNNGEYLYWYLOKPGQSPKLLIYRNSNRFSGVPRDFRGSGSGTDFTLKISRVAEADLGVYFCQGHVPRTFGGGTKLEIK																							
7: LP023_VL	DVWMTQPLSLPVSIGDHASISCRSSQSEVHNSNGEYLYWYLOKPGQTPKLLIYRNSNRFSGVPRDFRGSGSGTDFTLKISSVAEADLGVYFCQGHVPRTFGGGTKLEIE																							
9: LP024_VL	DVWMTQPLSLPVSIGDQASISCRSSQSEVHNSNGEYLYWYLOKPGQSPKLLIYRNSNRFSGVPRDFRGSGSGTDFTLKISRVAEADLGVYFCQGHVPRTFGGGTKLEIK																							
11: LP052_VL	SIVMTQTPKFLVSGDRVITITCKASQSVSNQDAWYQQPQKSPKLLIYWASNRCTGVPRDFTGSGYGTDFTTISTVQAEADLAVYFCQQDASPRTFFGAGTKLEIK																							

FIG. 3B

IMGT – Heavy chains

Chain	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
Consensus	z#zLzpGtz##+pg t# LtC+#Sg#t#t ##M###+z+pg g#z#g #nprnggt- nz#++ +%t#t#+tttt%#z#t%tz- t%###%# gtgtg#%- %gzgtt t																							
2: LP004_VH	QVQLQQPGAELVKPGASVKLSCKASDADYFENYVHWVKQRPQGLEWIGREDNSGGGRYNEKFKNKATLTVDKFSSSTAYNHLSLTSEDSAVYYCAGDEHWGTGTVTVSS																							
4: LP009_VH	EVQLVESGGALVQPGGSLSLSCASGEFPRDVAWSVRQPPGKALEWLALEIRNKAKGFTFEYSASVKGRFTISRDNSSQILLFQNDLRADDSATYICMRDINHWGQGTTLTVSS																							
6: LP022_VH	QVQLQQPGTELVKPGSSVNLSCASGEFPRDVAHWVKERPGHGLEWIGVENPANGGDDFNKFKNKATLTVHKSSSTVFIQLSLTSEDSAVYYCARGGTGAGDHWGQGTSVT																							
8: LP023_VH	QVQLQQPGTELVKPGASVKLSCKASGAEFTFEVHWVKQRPQCHGLEWIGKENPANGGGDYNKFKSKATLTVDKSSTAVLQSLTSEDSAVYYCARGGTGAGDHWGQGTSVT																							
10: LP024_VH	QVQLQQPGTELVKPGASVKLSCKASGAEFTFEVHWVKQRPQCGLEWIGVENPANGGDDNRRFKSKATLTVDRSSSTAVWQLSLTSEDSAVYYCARGGTGAGDHWGQGTSVT																							
12: LP052_VH	QITILKESGPILQSSQTLTLTCSFSGESISTSANGVSWIRQPSGEGLEWLAHFWDDDAKRYNPFLSKRLTISKDTSRNQVFLKTTSDTADTATYICARRRRRGMDHWGQGTSV																							