Figure 1A - Heavy Chain Protein Sequence

Sequence Name	FR1	CDR1	FR2	CDR2
Ab1	QSLEESGGRLVTPGTPLTLTCTVSGLDLS	SYYMQ	WVRQAPGKGLEWIG	VIGINDNTYYASWAKG
Ab2	EVQLVESGGGLVQPGGSLRLSCAVSGLDLS	SYYMQ	WVRQAPGKGLEWVG	VIGINDNTYYASWAKG
Ab3	EVQLVESGGGLVQPGGSLRLSCAVSGLDLS	SYYMQ	WVRQAPGKGLEWVG	VIGINDNTYYASWAKG
Ab4	QSLEESGGRLVTPGTPLTLTCSVSGIDLS	GYYMN	WVRQAPGKGLEWIG	VIGINGATYYASWAKG
Ab5	EVQLVESGGGLVQPGGSLRLSCAVSGIDLS	GYYMN	WVRQAPGKGLEWVG	VIGINGATYYASWAKG
Ab6	EVQLVESGGGLVQPGGSLRLSCAVSGIDLS	GYYMN	WVRQAPGKGLEWVG	VIGINGATYYASWAKG
Ab7	QEQLKESGGRLVTPGTSLTLTCTVSGIDLS	NHYMQ	WVRQAPGKGLEWIG	VVGINGRTYYASWAKG
Ab8	EVQLVESGGGLVQPGGSLRLSCAVSGIDLS	NHYMQ	WVRQAPGKGLEWVG	VVGINGRTYYASWAKG
Ab9	QSLEESGGRLVTPGTPLTLTCTVSGIGLS	SYYMQ	WVRQSPGRGLEWIG	VIGSDGKTYYATWAKG
Ab10	EVQLVESGGGLVQPGGSLRLSCAVSGIGLS	SYYMQ	WVRQAPGKGLEWVG	VIGSDGKTYYATWAKG
Ab11	QSLEESGGRLVTPGGSLTLTCTVSGIDVT	NYYMQ	WVRQAPGKGLEWIG	VIGVNGKRYYASWAKG
Ab12	EVQLVESGGGLVQPGGSLRLSCAVSGIDVT	NYYMQ	WVRQAPGKGLEWVG	VIGVNGKRYYASWAKG
Ab13	QSVEESGGGLVQPEGSLTLTCTASGFDFS	SNAMW	WVRQAPGKGLEWIG	CIYNGDGSTYYASWVNG
Ab14	EVQLVESGGGLVQPGGSLRLSCAVSGIGLS	SYYMQ	WVRQAPGKGLEWVG	VIGSDGKTYYATWAKG

Figure 1B - Heavy Chain Protein Sequence

Sequence Name	FR3	CDR3	FR4
Ab1	RFTISRASSTTVDLKMTSLTTEDTATYFCAR	GDI	WGPGTLVTVSS
Ab2	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCAR	GDI	WGQGTLVTVSS
Ab3	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCAR	GDI	WGQGTLVTVSS
Ab4	RFTISKTSSTTVDLKMTSLTTEDTATYFCAR	GDI	WGPGTLVTVSS
Ab5	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCAR	GDI	WGQGTLVTVSS
Ab6	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCAR	GDI	WGQGTLVTVSS
Ab7	RFTISRTSSTTVDLKMTRLTTEDTATYFCAR	GDI	WGPGTLVTVSS
Ab8	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCAR	GDI	WGQGTLVTVSS
Ab9	RFTISKTSSTTVDLRMASLTTEDTATYFCTR	GDI	WGPGTLVTVSS
Ab10	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCTR	GDI	WGQGTLVTVSS
Ab11	RFTISKTSSTTVDLKMTSLTTEDTATYFCAR	GDI	WGPGTLVTVSS
Ab12	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCAR	GDI	WGQGTLVTVSS
Ab13	RFSISKTSSTTVTLQLNSLTVADTATYYCAR	DLDL	WGPGTLVTVSS
Ab14	RFTISRDNSKTTVYLQMNSLRAEDTAVYFCTR	GDI	WGQGTLVTVSS

Figure 1C - Heavy Chain Protein Sequence

Sequence Name	Constant Region
Ab1	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab2	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab3	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab4	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab5	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab6	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab7	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab8	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab9	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab10	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab11	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab12	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab13	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV
Ab14	ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNV

Figure 1D - Heavy Chain Protein Sequence

Sequence Name	Constant Region
Ab1	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab2	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab3	NHKPSNTKVDARVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab4	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab5	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab6	NHKPSNTKVDARVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab7	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab8	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab9	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab10	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab11	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab12	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab13	NHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
Ab14	NHKPSNTKVDARVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA

Figure 1E - Heavy Chain Protein Sequence

Sequence Name	Constant Region
Ab1	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab2	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab3	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab4	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab5	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab6	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab7	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab8	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab9	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab10	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab11	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab12	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab13	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
Ab14	KTKPREEQYASTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF

Figure 1F - Heavy Chain Protein Sequence

Sequence Name	Constant Region	
Ab1	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 1)
Ab2	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 41)
Ab3	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 81)
Ab4	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 121)
Ab5	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 161)
Ab6	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 201)
Ab7	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 241)
Ab8	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 281)
Ab9	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 321)
Ab10	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 361)
Ab11	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 401)
Ab12	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 441)
Ab13	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 481)
Ab14	YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK	(SEQ ID NO: 521)

Figure 2A - Light Chain Protein Sequence

Sequence Name	FR1	CDR1	FR2	CDR2
Ab1	QVLTQTASPVSAAVGSTVTINC	QASQSVYDNNYLA	WYQQKPGQPPKQLIY	STSTLAS
Ab2	QVLTQSPSSLSASVGDRVTINC	QASQSVYDNNYLA	WYQQKPGKVPKQLIY	STSTLAS
Ab3	QVLTQSPSSLSASVGDRVTINC	QASQSVYDNNYLA	WYQQKPGKVPKQLIY	STSTLAS
Ab4	QVLTQTPSPVSAAVGSTVTINC	QASQSVYHNTYLA	WYQQKPGQPPKQLIY	DASTLAS
Ab5	QVLTQSPSSLSASVGDRVTINC	QASQSVYHNTYLA	WYQQKPGKVPKQLIY	DASTLAS
Ab6	QVLTQSPSSLSASVGDRVTINC	QASQSVYHNTYLA	WYQQKPGKVPKQLIY	DASTLAS
Ab7	QVLTQTASPVSAAVGSTVTINC	QASQSVYNYNYLA	WYQQKPGQPPKQLIY	STSTLAS
Ab8	QVLTQSPSSLSASVGDRVTINC	QASQSVYNYNYLA	WYQQKPGKVPKQLIY	STSTLAS
Ab9	QVLTQTPSPVSAAVGSTVTINC	QASQNVYNNNYLA	WYQQKPGQPPKQLIY	STSTLAS
Ab10	QVLTQSPSSLSASVGDRVTINC	QASQNVYNNNYLA	WYQQKPGKVPKQLIY	STSTLAS
Ab11	QVLTQTASPVSPAVGSTVTINC	RASQSVYYNNYLA	WYQQKPGQPPKQLIY	STSTLAS
Ab12	QVLTQSPSSLSASVGDRVTINC	RASQSVYYNNYLA	WYQQKPGKVPKQLIY	STSTLAS
Ab13	AIVMTQTPSSKSVPVGDTVTINC	QASESLYNNNALA	WFQQKPGQPPKRLIY	DASKLAS
Ab14	QVLTQSPSSLSASVGDRVTINC	QASQNVYNNNYLA	WYQQKPGKVPKQLIY	STSTLAS

Figure 2B - Light Chain Protein Sequence

Sequence Name	FR3	CDR3	FR4
Ab1	GVSSRFKGSGSGTQFTLTISDLECADAATYYC	LGSYDCSSGDCFV	FGGGTEVVVKR
Ab2	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCSSGDCFV	FGGGTKVEIKR
Ab3	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCSSGDCFV	FGGGTKVEIKR
Ab4	GVPSRFSGSGSGTQFTLTISGVQCNDAAAYYC	LGSYDCTNGDCFV	FGGGTEVVVKR
Ab5	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCTNGDCFV	FGGGTKVEIKR
Ab6	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCTNGDCFV	FGGGTKVEIKR
Ab7	GVSSRFKGSGSGTQFTLTISDVQCDDAATYYC	LGSYDCSTGDCFV	FGGGTEVVVKR
Ab8	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCSTGDCFV	FGGGTKVEIKR
Ab9	GVSSRFRGSGSGTQFTLTISDVQCDDAATYYC	LGSYDCSRGDCFV	FGGGTEVVVKR
Ab10	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCSRGDCFV	FGGGTKVEIKR
Ab11	GVSSRFKGSGSGTQFTLTISDVQCDDAATYYC	LGSYDCSNGDCFV	FGGGTEVVVKR
Ab12	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCSNGDCFV	FGGGTKVEIKR
Ab13	GVPSRFSGGGSGTQFTLTISGVQCDDAATYYC	GGYRSDSVDGVA	FAGGTEVVVKR
Ab14	GVPSRFSGSGSGTDFTLTISSLQPEDVATYYC	LGSYDCSRGDCFV	FGGGTKVEIKR

Figure 2C - Light Chain Protein Sequence

Sequence Name	Constant Region
Ab1	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab2	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab3	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab4	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab5	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab6	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab7	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab8	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab9	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab10	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab11	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab12	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab13	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA
Ab14	TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYA

Figure 2D - Light Chain Protein Sequence

Sequence Name	Constant Region
Ab1	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 21)
Ab2	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 61)
Ab3	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 101)
Ab4	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 141)
Ab5	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 181)
Ab6	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 221)
Ab7	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 261)
Ab8	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 301)
Ab9	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 341)
Ab10	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 381)
Ab11	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 421)
Ab12	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 461)
Ab13	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 501)
Ab14	CEVTHQGLSSPVTKSFNRGEC (SEQ ID NO: 541)

Figure 3A - Heavy Chain DNA Sequence

Sequence Name	FR1
Ab1	CAGTCGCTGGAGGAGTCCGGGGGTCGCCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGGACTCGACCTCAGT
Ab2	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGACTCGACCTCAGT
Ab3	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGACTCGACCTCAGT
Ab4	CAGTCGCTGGAGGAGTCCGGGGGTCGCCTGGTCACGCCTGGGACACCCCTGACACTCACCTGTTCCGTCTCTGGCATCGACCTCAGT
Ab5	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGAATCGACCTCAGT
Ab6	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGAATCGACCTCAGT
Ab7	CAGGAGCAGCTGAAGGAGTCCGGGGGGTCGCCTGGTCACGCCTGGGACATCCCCTGACACTCACCTGCACCGTCTCTGGAATCGACCTCAGT
Ab8	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGAATCGACCTCAGT
Ab9	CAGTCGCTGGAGGAGTCCGGGGGTCGCCTGGTCACGCCTGGGACACCCCTGACACTCACCTGCACAGTCTCTGGAATCGGCCTCAGT
Ab10	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGAATCGGCCTCAGT
Ab11	CAGTCGCTGGAGGAGTCCGGGGGTCGCCTGGTCACGCCTGGAGGATCCCTGACACTCACCTGCACAGTCTCTGGAATCGACGTCACT
Ab12	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGAATCGACGTCACT
Ab13	CAGTCGGTGGAGGAGTCCGGGGGAGGCCTGGTCCAGCCTGAGGGATCCCCTGACACTCACCTGCACAGCCTCTGGATTCGACTTCAGT
Ab14	GAGGTGCAGCTTGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCCTGTGCAGTCTCTGGAATCGGCCTCAGT

Figure 3B - Heavy Chain DNA Sequence

Sequence Name	CDR1	FR2
Ab1	AGCTACTACATGCAA	TGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
Ab2	AGCTACTACATGCAA	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab3	AGCTACTACATGCAA	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab4	GGCTACTACATGAAC	TGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
Ab5	GGCTACTACATGAAC	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab6	GGCTACTACATGAAC	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab7	AACCACTACATGCAA	TGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATCGGA
Ab8	AACCACTACATGCAA	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab9	AGCTACTACATGCAG	TGGGTCCGCCAGTCTCCAGGGAGGGGGCTGGAATGGATCGGA
Ab10	AGCTACTACATGCAA	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab11	AACTACTATATGCAA	TGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAATGGATCGGA
Ab12	AACTACTACATGCAA	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA
Ab13	AGCAATGCAATGTGG	TGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGATCGGA
Ab14	AGCTACTACATGCAA	TGGGTCCGTCAGGCTCCAGGGAAGGGGCTGGAGTGGGTCGGA

Figure 3C – Heavy Chain DNA Sequence

Sequence Name	CDR2
Ab1	GTCATTGGTATTAATGATAACACATACTACGCCGAGCTGGGCGAAAGGC
Ab2	GTCATTGGTATCAATGATAACACATACTACGCCGAGCTGGGCGAAAGGC
Ab3	GTCATTGGTATCAATGATAACACATACTACGCCGAGCTGGGCGAAAGGC
Ab4	GTCATTGGTATTAATGGTGCCACATACTACGCCGAGCTGGGCGAAAGGC
Ab5	GTCATTGGTATTAATGGTGCCACATACTACGCCGAGCTGGGCGAAAGGC
Ab6	GTCATTGGTATTAATGGTGCCACATACTACGCCGAGCTGGGCGAAAGGC
Ab7	GTCGTTGGTATTAATGGTCGCACATACTACGCCGAGCTGGGCGAAAGGC
Ab8	GTCGTTGGTATCAATGGTCGCACATACTACGCCGAGCTGGGCGAAAGGC
Ab9	GTCATTGGTAGTGATGGTAAGACATACTACGCCGACCTGGGCGAAAGGC
Ab10	GTCATTGGTAGTGATGGTAAGACATACTACGCCGACCTGGGCGAAAGGC
Ab11	GTCATTGGTGTGAATGGTAAGAGATACTACGCCGAGCTGGGCGAAAGGC
Ab12	GTCATTGGTGTGAATGGTAAGAGATACTACGCCGAGCTGGGCGAAAGGC
Ab13	TGCATTTACAATGGTGATGGCAGCACATACTACGCCGAGCTGGGTGAATGGC
Ab14	GTCATTGGTAGTGATGGTAAGACATACTACGCCGACCTGGGCGAAAGGC

Figure 3D – Heavy Chain DNA Sequence

Sequence Name	FR3
Ab1	CGATTCACCATCTCCAGAGCCTCGTCGACCACGGTGGATCTGAAAATGACCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGA
Ab2	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGCTAGA
Ab3	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGCTAGA
Ab4	CGATTCACCATCTCCAAAACCTCGTCGACCACGGTGGATCTGAAAATGACCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGA
Ab5	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGCTAGA
Ab6	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGCTAGA
Ab7	CGATTCACCATCTCCAGAACCTCGTCGACCACGGTGGATCTGAAAATGACCAGGCTGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGA
Ab8	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGCTAGA
Ab9	CGATTCACCATCTCCAGAGACCTCGTCGACCACGGTGGATCTGAGAATGGCCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGTACCAGA
Ab10	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGTACCAGA
Ab11	CGATTCACCATCTCCAAAACCTCGTCGACCACGGTGGATCTGAAAATGACCAGTCTGACAACCGAGGACACGGCCACCTATTTCTGTGCCAGA
Ab12	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTGCCAGA
Ab13	CGATTCTCCATCTCCAAAACCTCGTCGACCACGGTGACTCTGCAACTGAATAGTCTGACAGTCGCGGACACGGCCACGTATTATTGTGCGAGA
Ab14	CGATTCACCATCTCCAGAGACAATTCCAAGACCACGGTGTATCTTCAAATGAACAGCCTGAGAGCTGAGGACACTGCTGTGTATTTCTGTACCAGA

Figure 3E - Heavy Chain DNA Sequence

Sequence Name	CDR3	FR4	Constant Region
Ab1	GGGGACATC	TGGGGCCCAGGCACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab2	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab3	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab4	GGGGACATC	TGGGGCCCGGGCACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab5	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab6	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab7	GGGGACATC	TGGGGCCCAGGCACCCTGGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab8	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab9	GGGGACATC	TGGGGCCCGGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab10	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab11	GGCGACATC	TGGGGCCCGGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab12	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab13	GATCTTGACTTG	TGGGGCCCGGGCACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC
Ab14	GGGGACATC	TGGGGCCAAGGGACCCTCGTCACCGTCTCGAGC	GCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCACCCTCCTCC

Figure 3F - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab2	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab3	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab4	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab5	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab6	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab7	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab8	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab9	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab10	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab11	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab12	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab13	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC
Ab14	AAGAGCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCC

Figure 3G - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab2	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab3	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab4	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab5	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab6	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab7	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab8	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab9	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab10	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab11	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab12	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab13	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC
Ab14	CTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGC

Figure 3H - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab2	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab3	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACGCGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab4	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab5	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab6	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab7	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab8	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab9	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab10	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab11	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab12	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab13	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAA
Ab14	TTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACCAAGGTGGACGCGAGAGTTGAGCCCAAATCTTGTGACAAA

Figure 3I - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab2	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab3	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab4	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab5	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab6	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab7	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab8	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab9	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab10	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab11	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab12	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab13	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
Ab14	ACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG

Figure 3J - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab2	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab3	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab4	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab5	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab6	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab7	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab8	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab9	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab10	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab11	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab12	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab13	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG
Ab14	ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTG

Figure 3K - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab2	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab3	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab4	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab5	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab6	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab7	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab8	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab9	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab10	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab11	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab12	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab13	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC
Ab14	GAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACGCCAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGAC

Figure 3L - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab2	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab3	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab4	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab5	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab6	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab7	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab8	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab9	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab10	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab11	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab12	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab13	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG
Ab14	TGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAG

Figure 3M - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab2	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab3	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab4	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab5	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab6	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab7	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab8	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab9	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab10	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab11	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab12	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab13	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC
Ab14	CCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGAGGAGATGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTC

Figure 3N - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab2	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab3	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab4	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab5	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab6	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab7	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab8	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab9	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab10	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab11	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab12	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab13	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC
Ab14	TATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGC

Figure 3O - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab2	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab3	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab4	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab5	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab6	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab7	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab8	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab9	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab10	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab11	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab12	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab13	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG
Ab14	TCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTG

Figure 3P - Heavy Chain DNA Sequence

Sequence Name	Constant Region
Ab1	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 11)
Ab2	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 51)
Ab3	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 91)
Ab4	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 131)
Ab5	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 171)
Ab6	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 211)
Ab7	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 251)
Ab8	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 291)
Ab9	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 331)
Ab10	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 371)
Ab11	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 411)
Ab12	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 451)
Ab13	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 491)
Ab14	CACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAATGA (SEQ ID NO: 531)

Figure 4A - Light Chain DNA Sequence

Sequence Name	FR1
Ab1	CAAGTGCTGACCCAGACTGCATCCCCCGTGTCTGCAGCTGTGGGAAGCACAGTCACCATCAATTGC
Ab2	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab3	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab4	CAAGTGCTGACCCAGACTCCATCCCCCGTGTCTGCAGCTGTGGGAAGCACAGTCACCATCAATTGC
Ab5	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab6	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab7	CAAGTGCTGACCCAGACTGCATCCCCCGTGTCTGCAGCTGTGGGAAGCACAGTCACCATCAATTGC
Ab8	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab9	CAAGTGCTGACCCAGACTCCATCCCCCGTGTCTGCAGCTGTGGGAAGCACAGTCACCATCAATTGC
Ab10	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab11	CAGGTGCTGACCCAGACTGCATCCCCCGTGTCTCCAGCTGTGGGAAGCACAGTCACCATCAATTGC
Ab12	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC
Ab13	GCCATCGTGATGACCCAGACTCCATCTTCCAAGTCTGTCCCTGTGGGAGACACAGTCACCATCAATTGC
Ab14	CAAGTGCTGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCAATTGC

Figure 4B - Light Chain DNA Sequence

Sequence Name	CDR1	FR2
Ab1	CAGGCCAGTCAGAGTGTTTATGATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGCAGCCTCCCAAGCAACTGATCTAT
Ab2	CAGGCCAGTCAGAGTGTTTATGATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab3	CAGGCCAGTCAGAGTGTTTATGATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab4	CAGGCCAGTCAGAGTGTTTATCATAACACCTACCTGGCC	TGGTATCAGCAGAAACCAGGGCAGCCTCCCAAACAACTGATCTAT
Ab5	CAGGCCAGTCAGAGTGTTTATCATAACACCTACCTGGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab6	CAGGCCAGTCAGAGTGTTTATCATAACACCTACCTGGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab7	CAGGCCAGTCAGAGTGTTTATAATTACAACTACCTTGCC	TGGTATCAGCAGAAACCAGGGCAGCCTCCCAAGCAACTGATCTAT
Ab8	CAGGCCAGTCAGAGTGTTTACAATTACAACTACCTTGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab9	CAGGCCAGTCAGAATGTTTATAATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGCAGCCTCCCAAGCAACTGATCTAT
Ab10	CAGGCCAGTCAGAATGTTTACAATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab11	CGGGCCAGTCAGAGTGTTTATTATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGCAGCCTCCCAAGCAACTGATCTAT
Ab12	CGGGCCAGTCAGAGTGTTTACTATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT
Ab13	CAGGCCAGTGAGAGTCTTTATAATAACAACGCCTTGGCC	TGGTTTCAGCAGAAACCAGGGCAGCCTCCCAAGCGCCTGATCTAT
Ab14	CAGGCCAGTCAGAATGTTTACAATAACAACTACCTAGCC	TGGTATCAGCAGAAACCAGGGAAAGTTCCTAAGCAACTGATCTAT

Figure 4C - Light Chain DNA Sequence

Sequence Name	CDR2	FR3
Ab1	TCTACATCCACTCTGGCATCT	GGGGTCTCATCGCGGTTCAAAGGCAGTGGATCTGGGACACAGTTCACTCTCACCA
Ab2	TCTACATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab3	TCTACATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab4	GATGCATCCACTCTGGCGTCT	GGGGTCCCATCGCGGTTCAGCGGCAGTGGATCTGGGACACAGTTCACTCTCACCA
Ab5	GATGCATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab6	GATGCATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab7	TCTACATCCACTCTGGCATCT	GGGGTCTCATCGCGATTCAAAGGCAGTGGATCTGGGACACAGTTCACTCTCACCA
Ab8	TCTACATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab9	TCTACGTCCACTCTGGCATCT	GGGGTCTCATCGCGATTCAGAGGCAGTGGATCTGGGACACAGTTCACTCTCACCA
Ab10	TCTACATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab11	TCTACATCCACTCTGGCATCT	GGGGTCTCATCGCGGTTCAAAGGCAGTGGATCTGGGACACAGTTCACTCTCACCA
Ab12	TCTACATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA
Ab13	GATGCATCCAAACTGGCATCT	GGGGTCCCATCGCGGTTCAGTGGCGGTGGGTCTGGGACACAGTTCACTCTCACCA
Ab14	TCTACATCCACTCTGGCATCT	GGGGTCCCATCTCGTTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCA

Figure 4D - Light Chain DNA Sequence

Sequence Name	FR3	CDR3
Ab1	TCAGCGACCTGGAGTGTGCCGATGCTGCCACTTACTACTGT	CTAGGCAGTTATGATTGTAGTAGTGGTGATTGTTTTGTT
Ab2	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTAGGCAGTTATGATTGTAGTAGTGGTGATTGTTTTGTT
Ab3	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTAGGCAGTTATGATTGTAGTAGTGGTGATTGTTTTGTT
Ab4	TCAGCGGCGTGCAGTGTAACGATGCTGCCGCTTACTACTGT	CTGGGCAGTTATGATTGTACTAATGGTGATTGTTTTGTT
Ab5	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTGGGCAGTTATGATTGTACTAATGGTGATTGTTTTGTT
Ab6	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTGGGCAGTTATGATTGTACTAATGGTGATTGTTTTGTT
Ab7	TCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGT	CTAGGCAGTTATGACTGTAGTACTGGTGATTGTTTTGTT
Ab8	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTGGGCAGTTATGATTGTAGTACTGGTGATTGTTTTGTT
Ab9	TCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGT	CTAGGCAGTTATGATTGTAGTCGTGGTGATTGTTTTGTT
Ab10	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTGGGCAGTTATGATTGTAGTCGTGGTGATTGTTTTGTT
Ab11	TCAGCGACGTGCAGTGTGACGATGCTGCCACTTACTACTGT	CTAGGCAGTTATGATTGTAGTAATGGTGATTGTTTTGTT
Ab12	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTGGGCAGTTATGATTGTAGTAATGGTGATTGTTTTGTT
Ab13	TCAGTGGCGTGCAGTGTGACGATGCTGCCACTTACTACTGT	GGAGGCTACAGAAGTGATAGTGTTGATGGTGTTGCT
Ab14	TCAGCAGCCTGCAGCCTGAAGATGTTGCAACTTATTACTGT	CTGGGCAGTTATGATTGTAGTCGTGGTGATTGTTTTGTT

Figure 4E - Light Chain DNA Sequence

Sequence Name	FR4	Constant Region
Ab1	TTCGGCGGAGGGACCGAGGTGGTGGTCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab2	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab3	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab4	TTCGGCGGAGGGACCGAGGTGGTGGTCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab5	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab6	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab7	TTCGGCGGAGGGACCGAGGTGGTGGTCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab8	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab9	TTCGGCGGAGGGACCGAGGTGGTGGTCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab10	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab11	TTCGGCGGAGGGACCGAGGTGGTGGTCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab12	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab13	TTCGCCGGAGGGACCGAGGTGGTGGTCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG
Ab14	TTCGGCGGAGGAACCAAGGTGGAAATCAAACGT	ACGGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTG

Figure 4F - Light Chain DNA Sequence

Sequence Name	Constant Region
Ab1	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab2	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab3	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab4	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab5	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab6	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab7	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab8	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab9	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab10	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab11	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab12	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab13	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC
Ab14	AAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC

Figure 4G - Light Chain DNA Sequence

Sequence Name	Constant Region
Ab1	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab2	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab3	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab4	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab5	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab6	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab7	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab8	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab9	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab10	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab11	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab12	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab13	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG
Ab14	TCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAG

Figure 4H - Light Chain DNA Sequence

Sequence Name	Constant Region
Ab1	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab2	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab3	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab4	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab5	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab6	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab7	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab8	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab9	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab10	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab11	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab12	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab13	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC
Ab14	CAAAGCAGACTACGAGAAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCTCGCCCGTCACAAAGAGCTTCAAC

Figure 4I - Light Chain DNA Sequence

Sequence Name	
Ab1	AGGGGAGAGTGTTAG (SEQ ID NO: 31)
Ab2	AGGGGAGAGTGTTAG (SEQ ID NO: 71)
Ab3	AGGGGAGAGTGTTAG (SEQ ID NO: 111)
Ab4	AGGGGAGAGTGTTAG (SEQ ID NO: 151)
Ab5	AGGGGAGAGTGTTAG (SEQ ID NO: 191)
Ab6	AGGGGAGAGTGTTAG (SEQ ID NO: 231)
Ab7	AGGGGAGAGTGTTAG (SEQ ID NO: 271)
Ab8	AGGGGAGAGTGTTAG (SEQ ID NO: 311)
Ab9	AGGGGAGAGTGTTAG (SEQ ID NO: 351)
Ab10	AGGGGAGAGTGTTAG (SEQ ID NO: 391)
Ab11	AGGGGAGAGTGTTAG (SEQ ID NO: 431)
Ab12	AGGGGAGAGTGTTAG (SEQ ID NO: 471)
Ab13	AGGGGAGAGTGTTAG (SEQ ID NO: 511)
Ab14	AGGGGAGAGTGTTAG (SEQ ID NO: 551)

Figure 5

Heavy Chain Protein Sequence Features

Antibody	Variable Region Coordinates	SEQ ID NO:	CDR1 Coordinates	SEQ ID NO:	CDR2 Coordinates	SEQ ID NO:	CDR3 Coordinates	SEQ ID NO:
Ab1	1-109	2	30-34	4	49-64	6	96-98	8
Ab2	1-111	42	31-35	44	50-65	46	98-100	48
Ab3	1-111	82	31-35	84	50-65	86	98-100	88
Ab4	1-109	122	30-34	124	49-64	126	96-98	128
Ab5	1-111	162	31-35	164	50-65	166	98-100	168
Ab6	1-111	202	31-35	204	50-65	206	98-100	208
Ab7	1-110	242	31-35	244	50-65	246	97-99	248
Ab8	1-111	282	31-35	284	50-65	286	98-100	288
Ab9	1-109	322	30-34	324	49-64	326	96-98	328
Ab10	1-111	362	31-35	364	50-65	366	98-100	368
Ab11	1-109	402	30-34	404	49-64	406	96-98	408
Ab12	1-111	442	31-35	444	50-65	446	98-100	448
Ab13	1-111	482	30-34	484	49-65	486	97-100	488
Ab14	1-111	522	31-35	524	50-65	526	98-100	528

Figure 6

Heavy Chain Protein Sequence Features

Antibody	FR1 Coordinates	SEQ ID NO:	FR2 Coordinates	SEQ ID NO:	FR3 Coordinates	SEQ ID NO:	FR4 Coordinates	SEQ ID NO:	Constant Region Coordinates	SEQ ID NO:
Ab1	1-29	3	35-48	5	65-95	7	99-109	9	110-439	10
Ab2	1-30	43	36-49	45	66-97	47	101-111	49	112-441	50
Ab3	1-30	83	36-49	85	66-97	87	101-111	89	112-441	90
Ab4	1-29	123	35-48	125	65-95	127	99-109	129	110-439	130
Ab5	1-30	163	36-49	165	66-97	167	101-111	169	112-441	170
Ab6	1-30	203	36-49	205	66-97	207	101-111	209	112-441	210
Ab7	1-30	243	36-49	245	66-96	247	100-110	249	111-440	250
Ab8	1-30	283	36-49	285	66-97	287	101-111	289	112-441	290
Ab9	1-29	323	35-48	325	65-95	327	99-109	329	110-439	330
Ab10	1-30	363	36-49	365	66-97	367	101-111	369	112-441	370
Ab11	1-29	403	35-48	405	65-95	407	99-109	409	110-439	410
Ab12	1-30	443	36-49	445	66-97	447	101-111	449	112-441	450
Ab13	1-29	483	35-48	485	66-96	487	101-111	489	112-441	490
Ab14	1-30	523	36-49	525	66-97	527	101-111	529	112-441	530

Figure 7

Light Chain Protein Sequence Features

Antibody	Variable Region Coordinates	SEQ ID NO:	CDR1 Coordinates	SEQ ID NO:	CDR2 Coordinates	SEQ ID NO:	CDR3 Coordinates	SEQ ID NO:
Ab1	1-113	22	23-35	24	51-57	26	90-102	28
Ab2	1-113	62	23-35	64	51-57	66	90-102	68
Ab3	1-113	102	23-35	104	51-57	106	90-102	108
Ab4	1-113	142	23-35	144	51-57	146	90-102	148
Ab5	1-113	182	23-35	184	51-57	186	90-102	188
Ab6	1-113	222	23-35	224	51-57	226	90-102	228
Ab7	1-113	262	23-35	264	51-57	266	90-102	268
Ab8	1-113	302	23-35	304	51-57	306	90-102	308
Ab9	1-113	342	23-35	344	51-57	346	90-102	348
Ab10	1-113	382	23-35	384	51-57	386	90-102	388
Ab11	1-113	422	23-35	424	51-57	426	90-102	428
Ab12	1-113	462	23-35	464	51-57	466	90-102	468
Ab13	1-113	502	24-36	504	52-58	506	91-102	508
Ab14	1-113	542	23-35	544	51-57	546	90-102	548

Figure 8

Light Chain Protein Sequence Features

Antibody	FR1 Coordinates	SEQ ID NO:	FR2 Coordinates	SEQ ID NO:	FR3 Coordinates	SEQ ID NO:	FR4 Coordinates	SEQ ID NO:	Constant Region Coordinates	SEQ ID NO:
Ab1	1-22	23	36-50	25	58-89	27	103-113	29	114-219	30
Ab2	1-22	63	36-50	65	58-89	67	103-113	69	114-219	70
Ab3	1-22	103	36-50	105	58-89	107	103-113	109	114-219	110
Ab4	1-22	143	36-50	145	58-89	147	103-113	149	114-219	150
Ab5	1-22	183	36-50	185	58-89	187	103-113	189	114-219	190
Ab6	1-22	223	36-50	225	58-89	227	103-113	229	114-219	230
Ab7	1-22	263	36-50	265	58-89	267	103-113	269	114-219	270
Ab8	1-22	303	36-50	305	58-89	307	103-113	309	114-219	310
Ab9	1-22	343	36-50	345	58-89	347	103-113	349	114-219	350
Ab10	1-22	383	36-50	385	58-89	387	103-113	389	114-219	390
Ab11	1-22	423	36-50	425	58-89	427	103-113	429	114-219	430
Ab12	1-22	463	36-50	465	58-89	467	103-113	469	114-219	470
Ab13	1-23	503	37-51	505	59-90	507	103-113	509	114-219	510
Ab14	1-22	543	36-50	545	58-89	547	103-113	549	114-219	550

Figure 9

Heavy Chain DNA Sequence Features

Antibody	Variable Region Coordinates	SEQ ID NO:	CDR1 Coordinates	SEQ ID NO:	CDR2 Coordinates	SEQ ID NO:	CDR3 Coordinates	SEQ ID NO:
Ab1	1-327	12	88-102	14	145-192	16	286-294	18
Ab2	1-333	52	91-105	54	148-195	56	292-300	58
Ab3	1-333	92	91-105	94	148-195	96	292-300	98
Ab4	1-327	132	88-102	134	145-192	136	286-294	138
Ab5	1-333	172	91-105	174	148-195	176	292-300	178
Ab6	1-333	212	91-105	214	148-195	216	292-300	218
Ab7	1-330	252	91-105	254	148-195	256	289-297	258
Ab8	1-333	292	91-105	294	148-195	296	292-300	298
Ab9	1-327	332	88-102	334	145-192	336	286-294	338
Ab10	1-333	372	91-105	374	148-195	376	292-300	378
Ab11	1-327	412	88-102	414	145-192	416	286-294	418
Ab12	1-333	452	91-105	454	148-195	456	292-300	458
Ab13	1-333	492	88-102	494	145-195	496	289-300	498
Ab14	1-333	532	91-105	534	148-195	536	292-300	538

Figure 10

Heavy Chain DNA Sequence Features

Antibody	FR1 Coordinates	SEQ ID NO:	FR2 Coordinates	SEQ ID NO:	FR3 Coordinates	SEQ ID NO:	FR4 Coordinates	SEQ ID NO:	Constant Region Coordinates	SEQ ID NO:
Ab1	1-87	13	103-144	15	193-285	17	295-327	19	328-1320	20
Ab2	1-90	53	106-147	55	196-291	57	301-333	59	334-1326	60
Ab3	1-90	93	106-147	95	196-291	97	301-333	99	334-1326	100
Ab4	1-87	133	103-144	135	193-285	137	295-327	139	328-1320	140
Ab5	1-90	173	106-147	175	196-291	177	301-333	179	334-1326	180
Ab6	1-90	213	106-147	215	196-291	217	301-333	219	334-1326	220
Ab7	1-90	253	106-147	255	196-288	257	298-330	259	331-1323	260
Ab8	1-90	293	106-147	295	196-291	297	301-333	299	334-1326	300
Ab9	1-87	333	103-144	335	193-285	337	295-327	339	328-1320	340
Ab10	1-90	373	106-147	375	196-291	377	301-333	379	334-1326	380
Ab11	1-87	413	103-144	415	193-285	417	295-327	419	328-1320	420
Ab12	1-90	453	106-147	455	196-291	457	301-333	459	334-1326	460
Ab13	1-87	493	103-144	495	196-288	497	301-333	499	334-1326	500
Ab14	1-90	533	106-147	535	196-291	537	301-333	539	334-1326	540

Figure 11

Light Chain DNA Sequence Features

Antibody	Variable Region Coordinates	SEQ ID NO:	CDR1 Coordinates	SEQ ID NO:	CDR2 Coordinates	SEQ ID NO:	CDR3 Coordinates	SEQ ID NO:
Ab1	1-339	32	67-105	34	151-171	36	268-306	38
Ab2	1-339	72	67-105	74	151-171	76	268-306	78
Ab3	1-339	112	67-105	114	151-171	116	268-306	118
Ab4	1-339	152	67-105	154	151-171	156	268-306	158
Ab5	1-339	192	67-105	194	151-171	196	268-306	198
Ab6	1-339	232	67-105	234	151-171	236	268-306	238
Ab7	1-339	272	67-105	274	151-171	276	268-306	278
Ab8	1-339	312	67-105	314	151-171	316	268-306	318
Ab9	1-339	352	67-105	354	151-171	356	268-306	358
Ab10	1-339	392	67-105	394	151-171	396	268-306	398
Ab11	1-339	432	67-105	434	151-171	436	268-306	438
Ab12	1-339	472	67-105	474	151-171	476	268-306	478
Ab13	1-339	512	70-108	514	154-174	516	271-306	518
Ab14	1-339	552	67-105	554	151-171	556	268-306	558

Figure 12
Light Chain DNA Sequence Features

Antibody	FR1 Coordinates	SEQ ID NO:	FR2 Coordinates	SEQ ID NO:	FR3 Coordinates	SEQ ID NO:	FR4 Coordinates	SEQ ID NO:	Constant Region Coordinates	SEQ ID NO:
Ab1	1-66	33	106-150	35	172-267	37	307-339	39	340-660	40
Ab2	1-66	73	106-150	75	172-267	77	307-339	79	340-660	80
Ab3	1-66	113	106-150	115	172-267	117	307-339	119	340-660	120
Ab4	1-66	153	106-150	155	172-267	157	307-339	159	340-660	160
Ab5	1-66	193	106-150	195	172-267	197	307-339	199	340-660	200
Ab6	1-66	233	106-150	235	172-267	237	307-339	239	340-660	240
Ab7	1-66	273	106-150	275	172-267	277	307-339	279	340-660	280
Ab8	1-66	313	106-150	315	172-267	317	307-339	319	340-660	320
Ab9	1-66	353	106-150	355	172-267	357	307-339	359	340-660	360
Ab10	1-66	393	106-150	395	172-267	397	307-339	399	340-660	400
Ab11	1-66	433	106-150	435	172-267	437	307-339	439	340-660	440
Ab12	1-66	473	106-150	475	172-267	477	307-339	479	340-660	480
Ab13	1-69	513	109-153	515	175-270	517	307-339	519	340-660	520
Ab14	1-66	553	106-150	555	172-267	557	307-339	559	340-660	560

FIG. 13

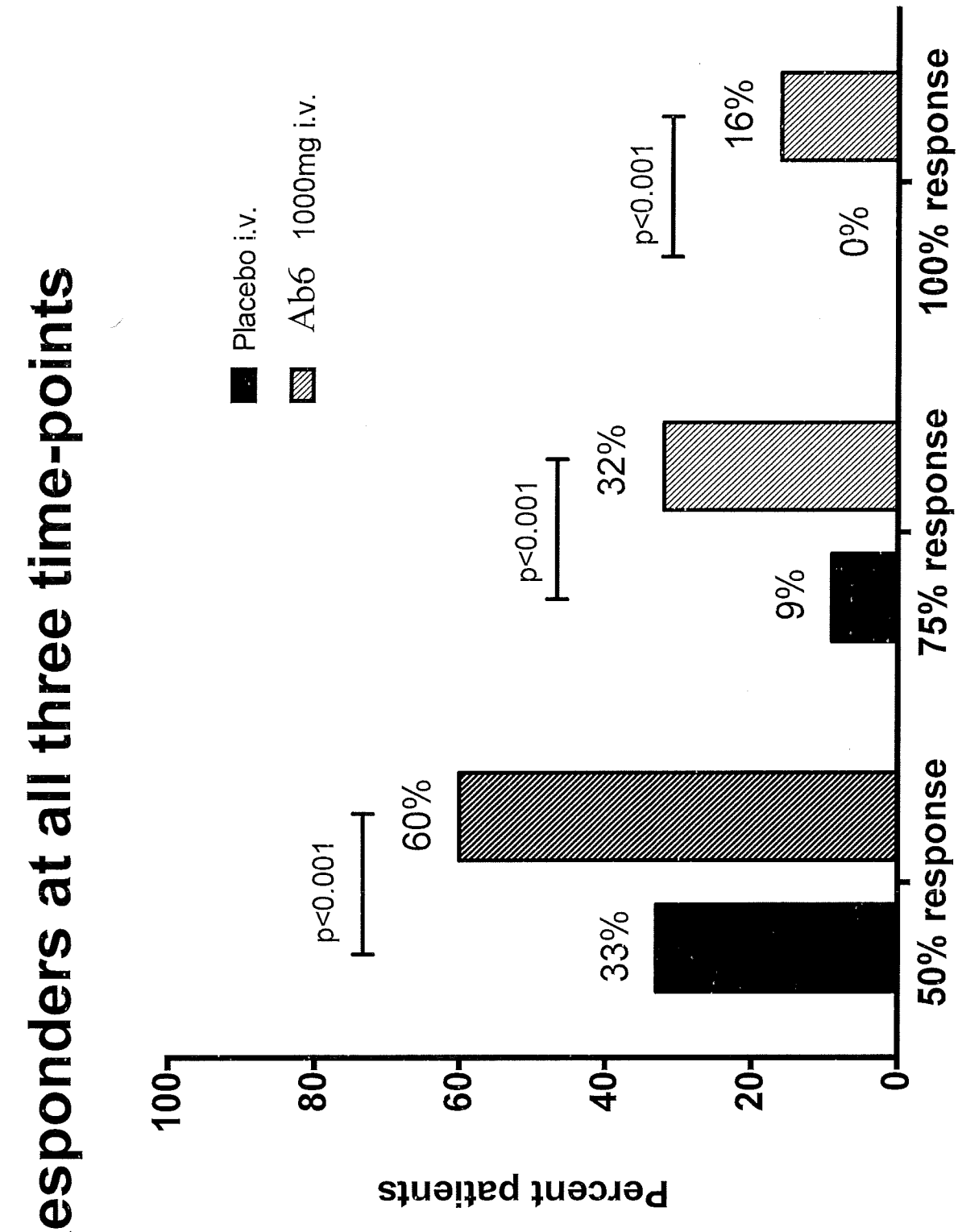

Responders at all three time-points
Placebo i.v.
Ab6 1000mg i.v.
Percent patients
100
80
60
40
20
0
p<0.001
60%
33%
p<0.001
32%
9%
p<0.001
16%
0%
50% response
75% response
100% response

FIG. 14

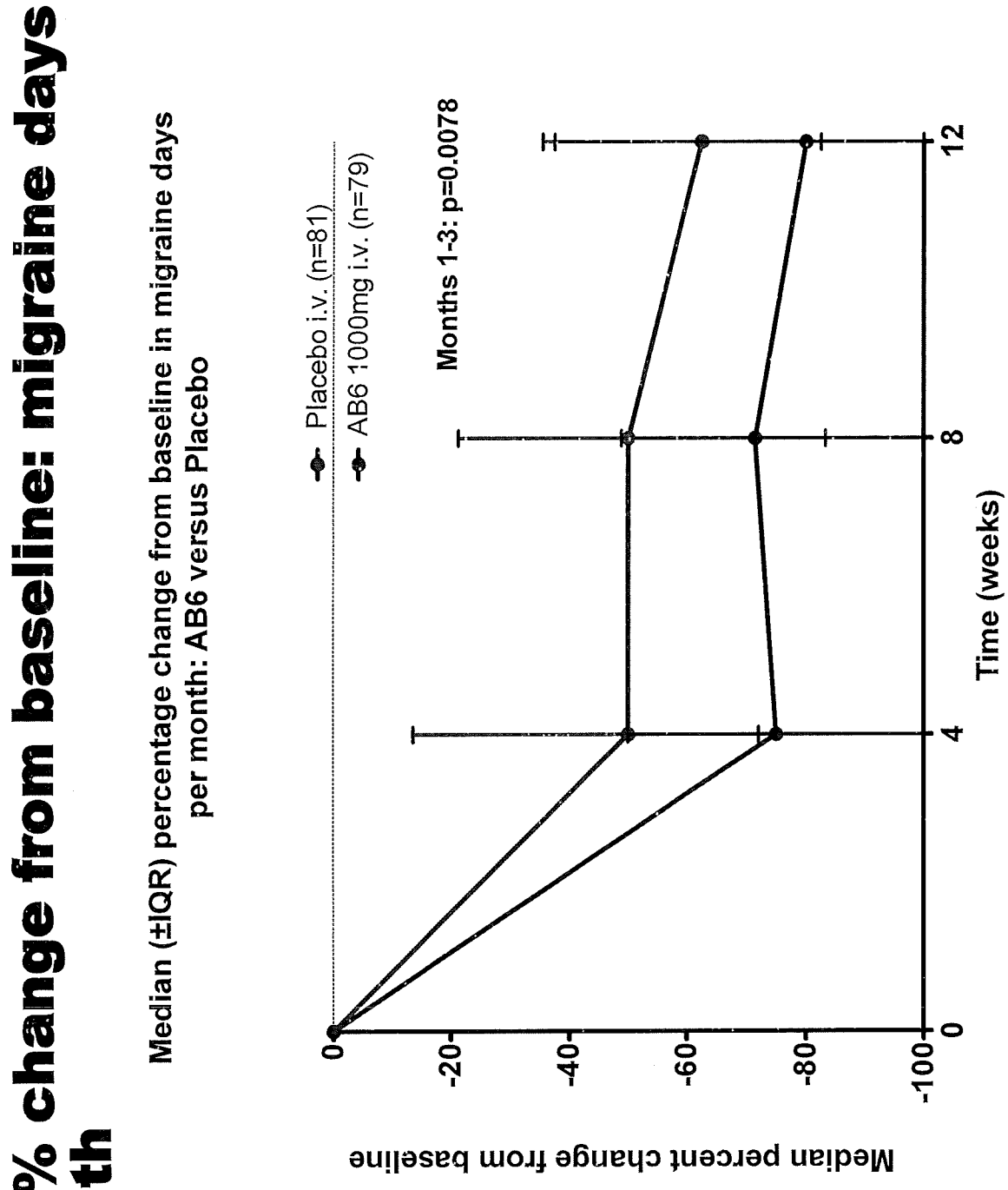

Median % change from baseline: migraine days per month
Median (±IQR) percentage change from baseline in migraine days per month: AB6 versus Placebo
Placebo i.v. (n=81)
AB6 1000mg i.v. (n=79)
Months 1-3: p=0.0078
Median percent change from baseline
0
-20
-40
-60
-80
-100
0
4
8
12
Time (weeks)

FIG. 15

Median % change from baseline: migraine episodes per month

Median (±IQR) percentage change from baseline in migraine episodes per month: AB6 versus Placebo

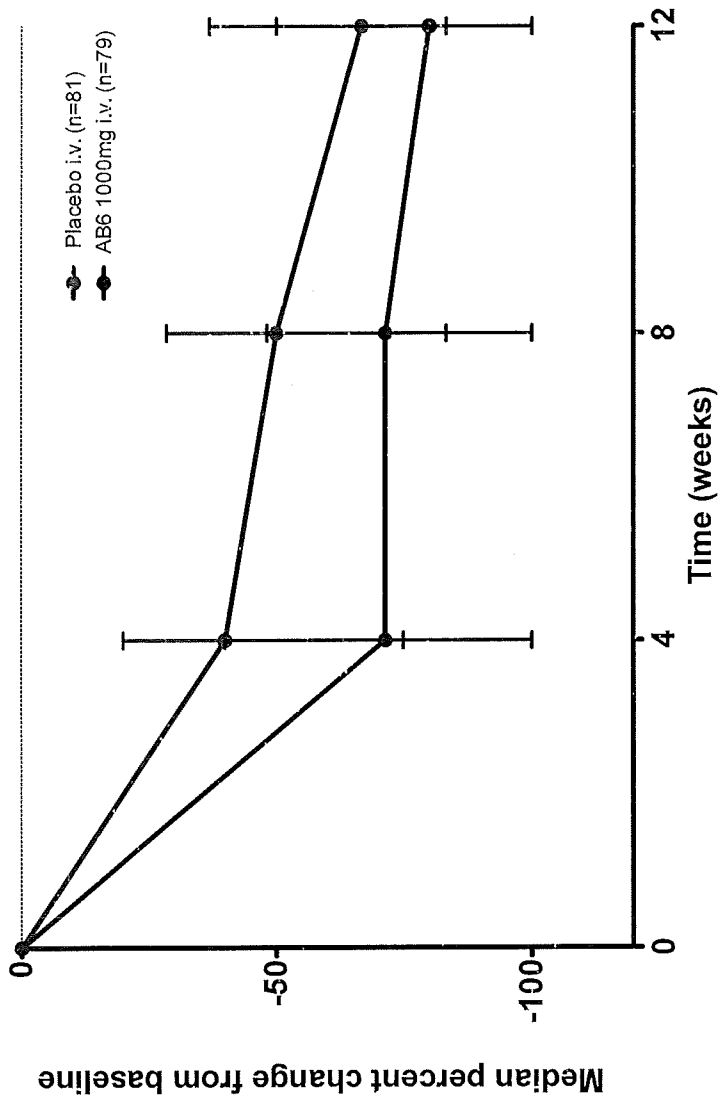


FIG. 16

Median % change from baseline: migraine hours per month

Median (±IQR) percentage change from baseline in migraine hours per month: AB6 versus Placebo

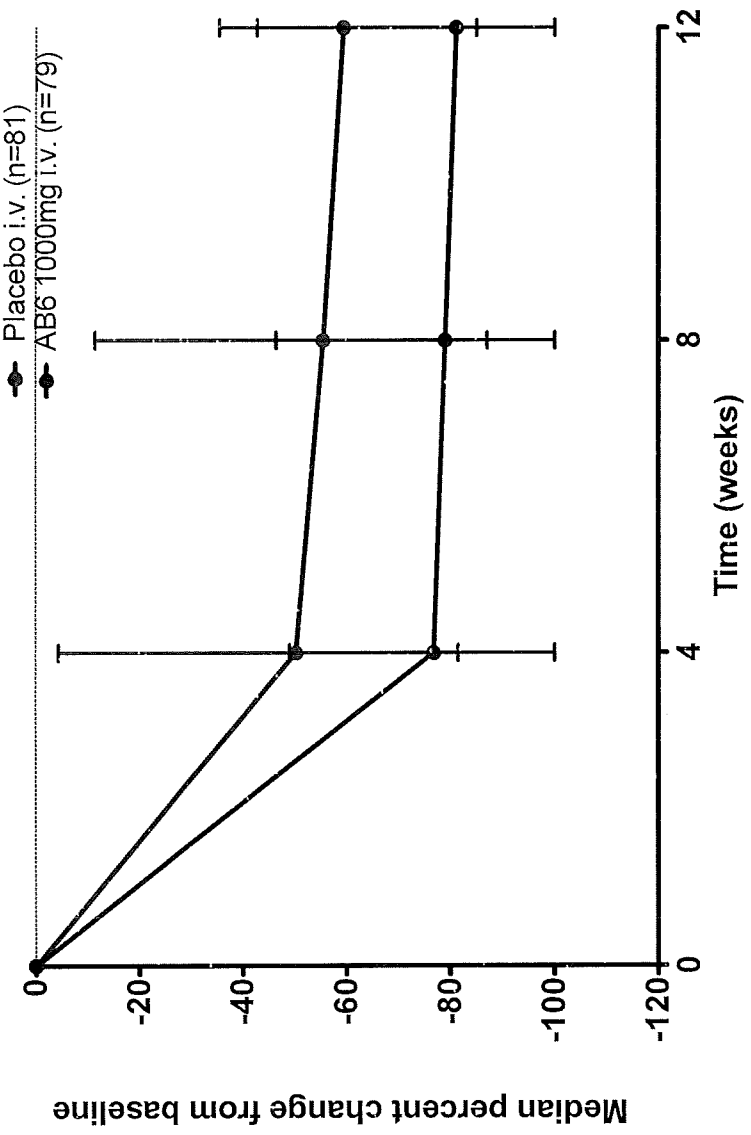


FIG. 17

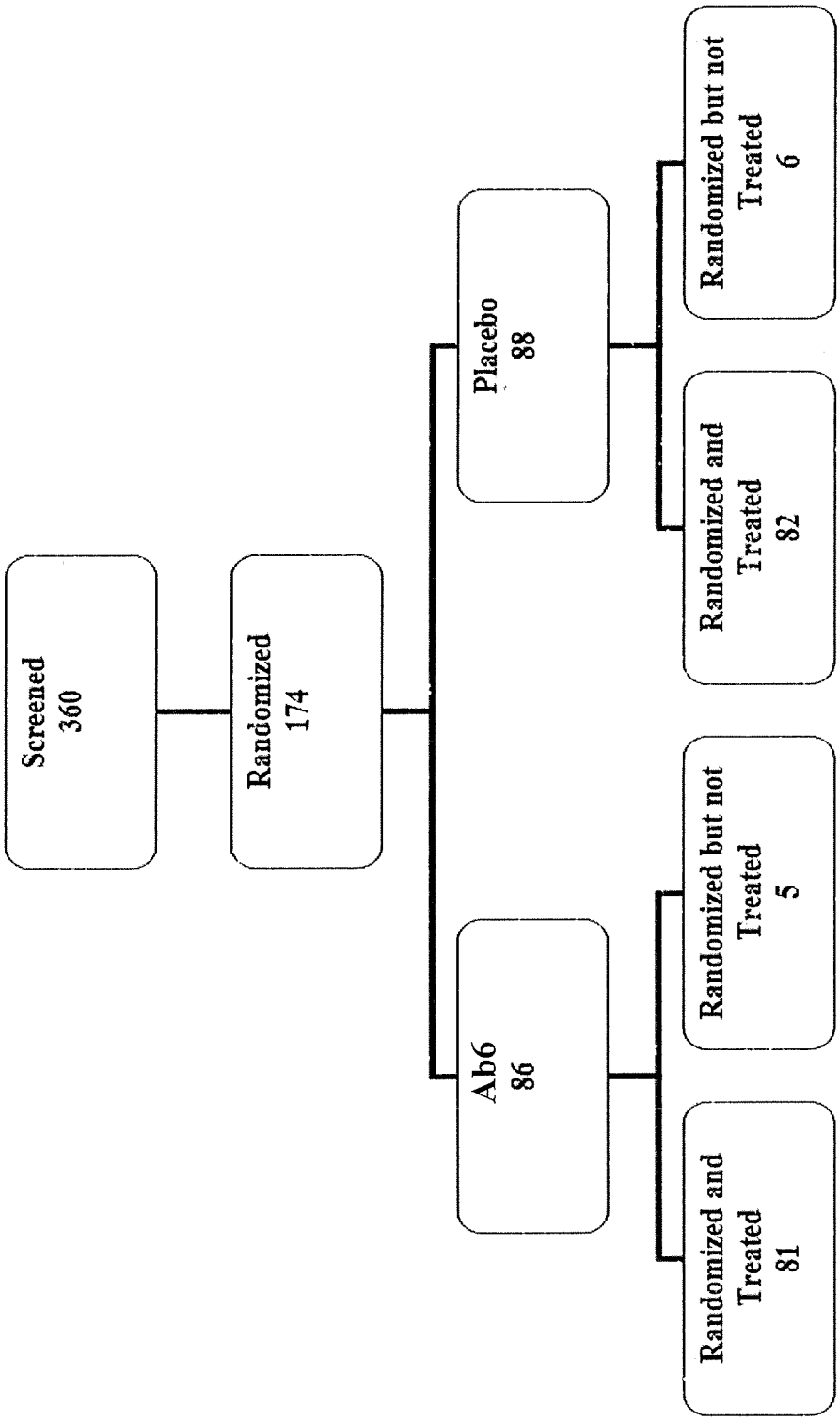

Screened
360
Randomized
174
Ab6
86
Placebo
88
Randomized and
Treated
81
Randomized but not
Treated
5
Randomized and
Treated
82
Randomized but not
Treated
6

FIG. 18

Mean Change Baseline HIT-6 score

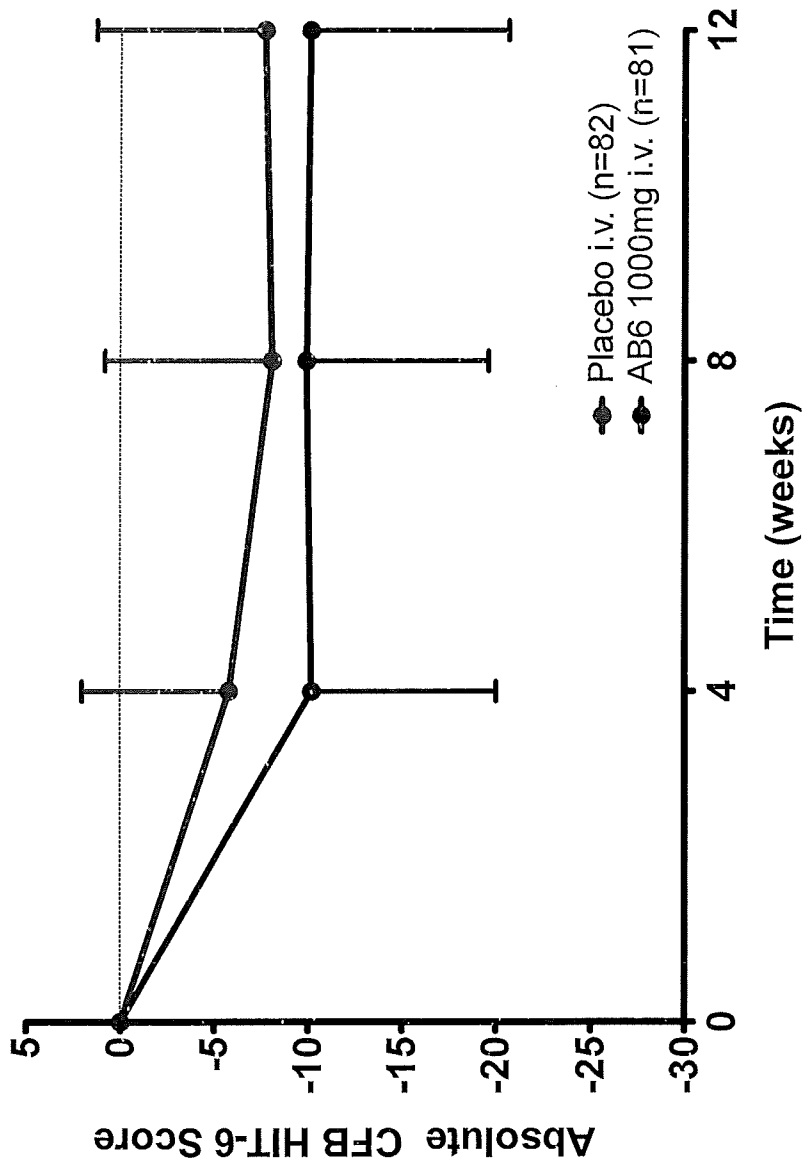


FIG. 19

HIT-6 Responder Analysis

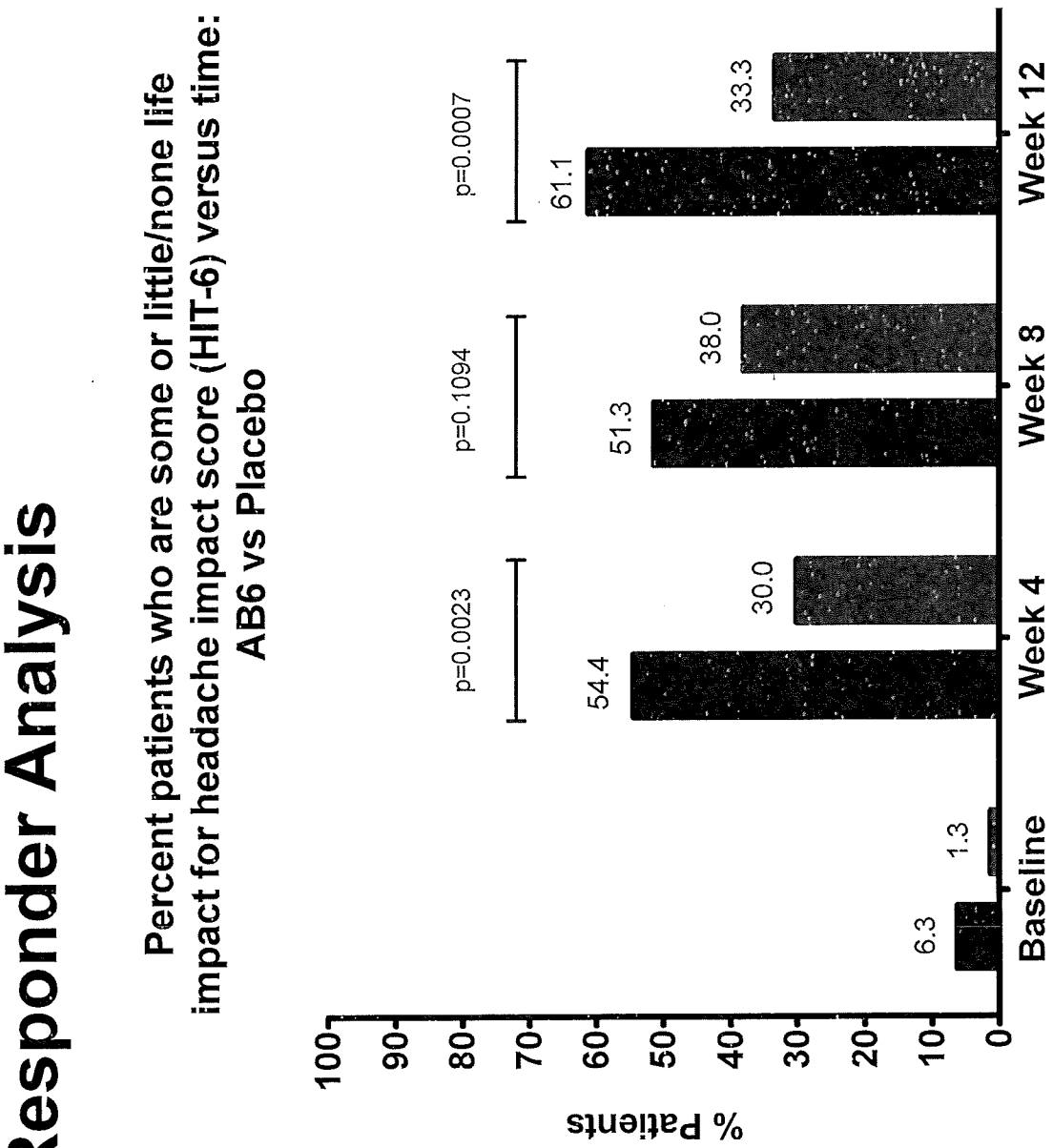


FIG. 20. PK Profile

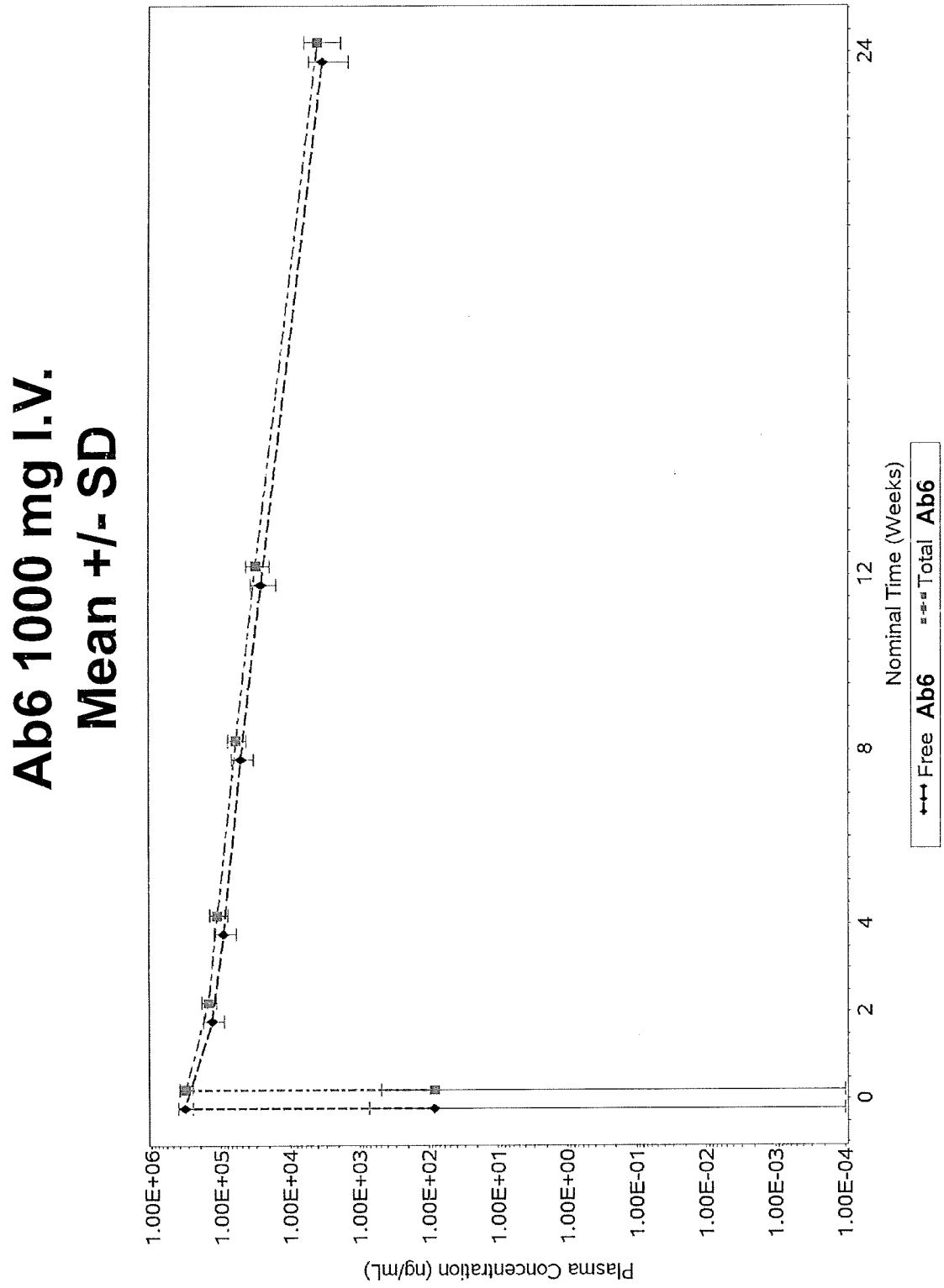


FIG. 21. PK Parameters

Plasma Free Ab6*

	C_{max} (µg/mL)	$AUC_{0-\infty}$ (mg*hr/mL)	Half-Life (Days)	Vz (L)	CL (mL/hr)
N	81	78	78	78	78
Mean	336	219	31	5.2	5.0
SD	80	64	8	2.1	1.5

* - Following 1000 mg Ab6 IV single-dose

FIG. 22

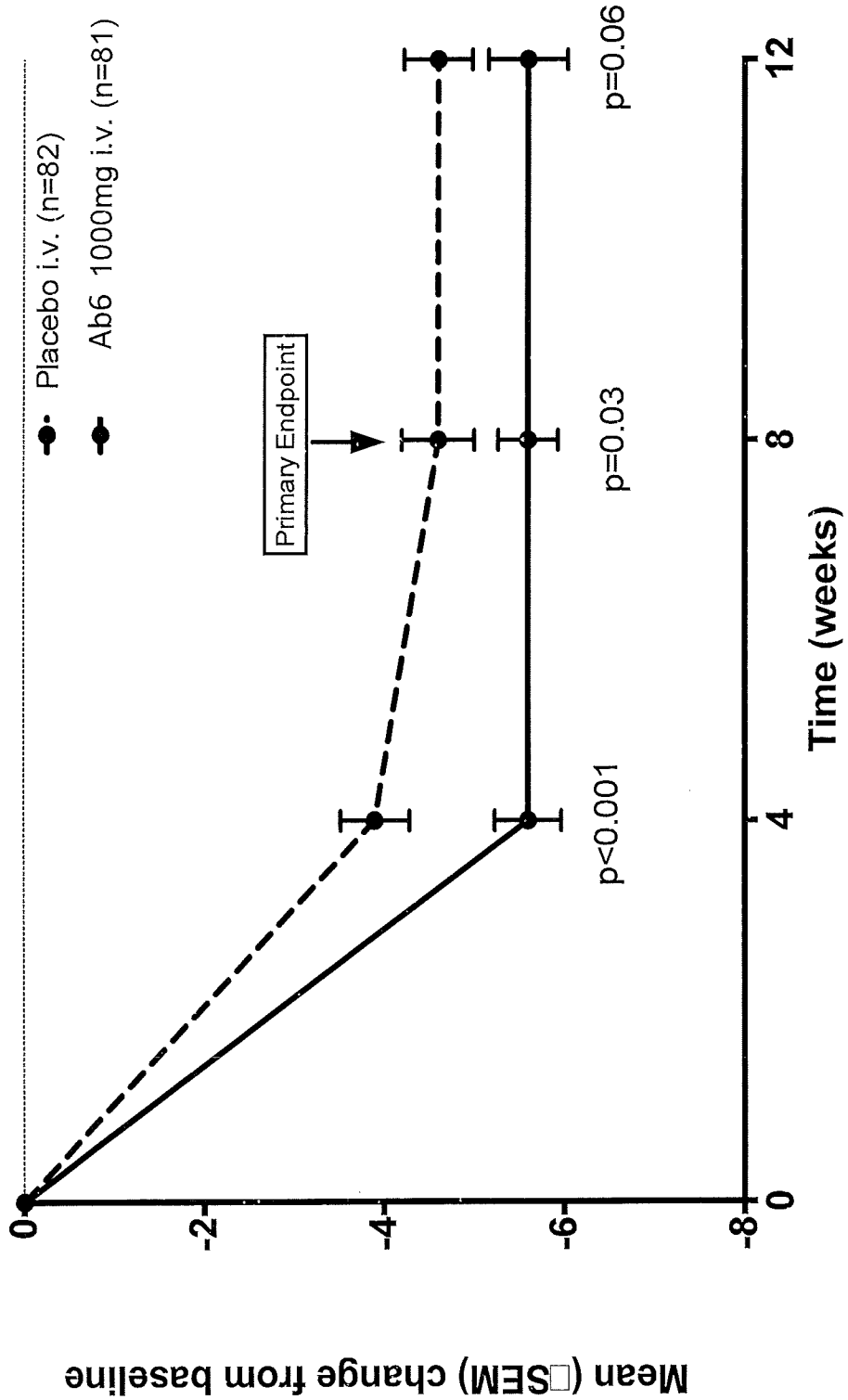

Placebo i.v. (n=82)
Ab6 1000mg i.v. (n=81)
Primary Endpoint
p<0.001
p=0.03
p=0.06
Mean (±SEM) change from baseline
Time (weeks)
0
-2
-4
-6
-8
0
4
8
12

FIG. 23

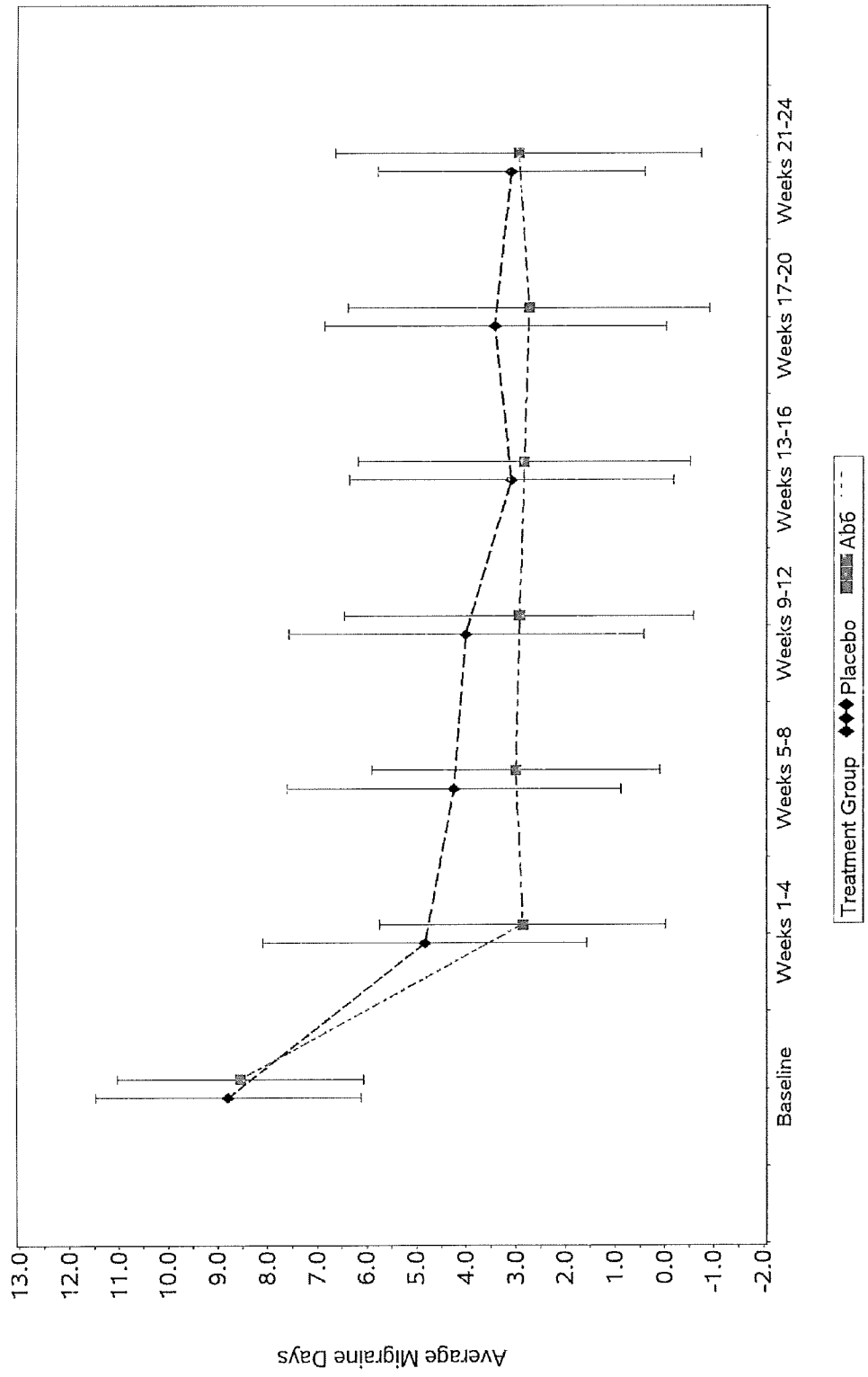

Average Migraine Days
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
Baseline
Weeks 1-4
Weeks 5-8
Weeks 9-12
Weeks 13-16
Weeks 17-20
Weeks 21-24
Treatment Group
Placebo
Ab6

FIG. 24

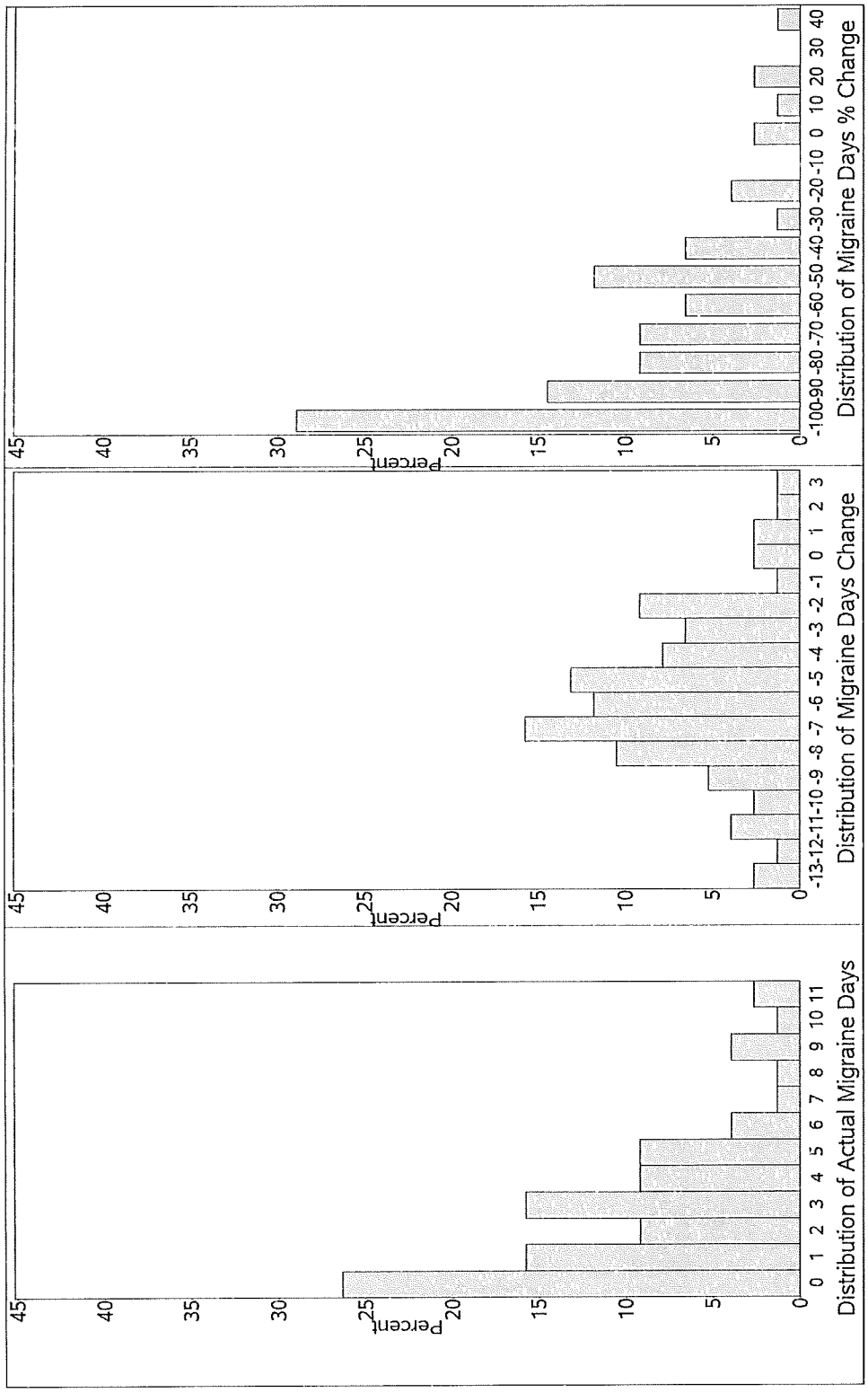

Distribution of Actual Migraine Days
Distribution of Migraine Days Change
Distribution of Migraine Days % Change
Percent
0 1 2 3 4 5 6 7 8 9 10 11
-13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3
-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
0 5 10 15 20 25 30 35 40 45

FIG. 25

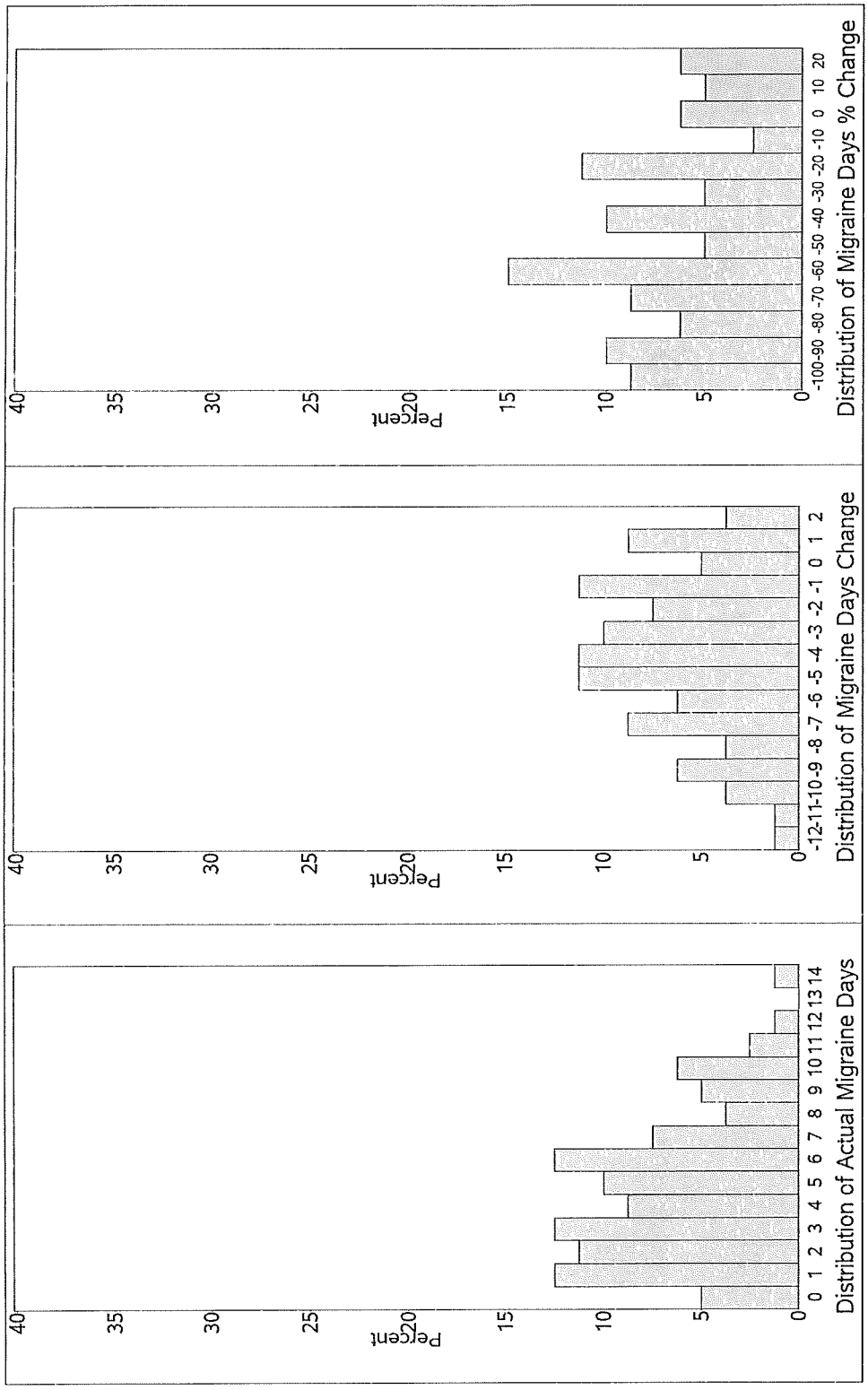

Distribution of Actual Migraine Days
Distribution of Migraine Days Change
Distribution of Migraine Days % Change
Percent
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
-12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2
-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20
0 5 10 15 20 25 30 35 40

FIG. 26

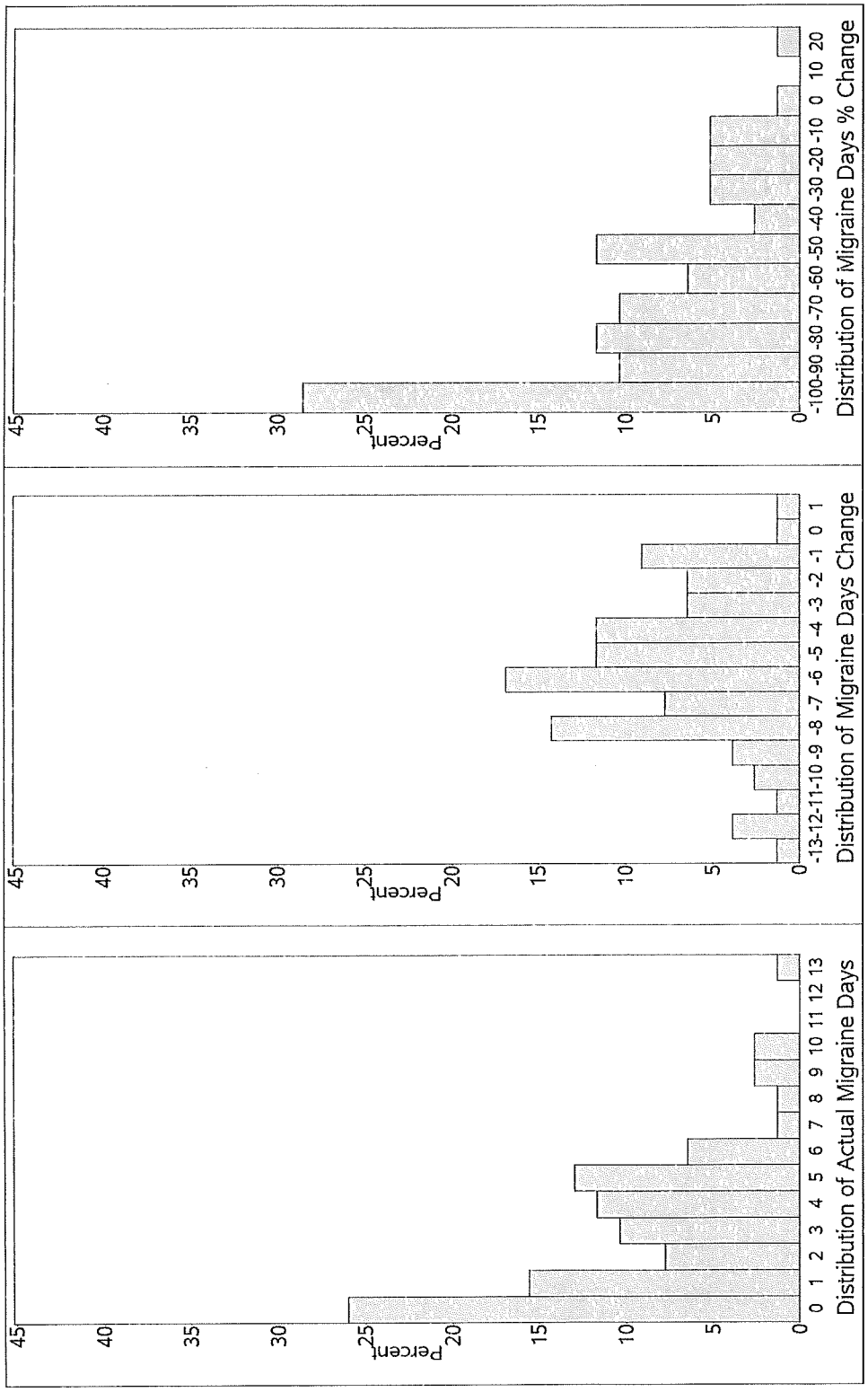

Distribution of Actual Migraine Days
Distribution of Migraine Days Change
Distribution of Migraine Days % Change
Percent
0 1 2 3 4 5 6 7 8 9 10 11 12 13
-13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1
-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20
0 5 10 15 20 25 30 35 40 45

FIG. 27

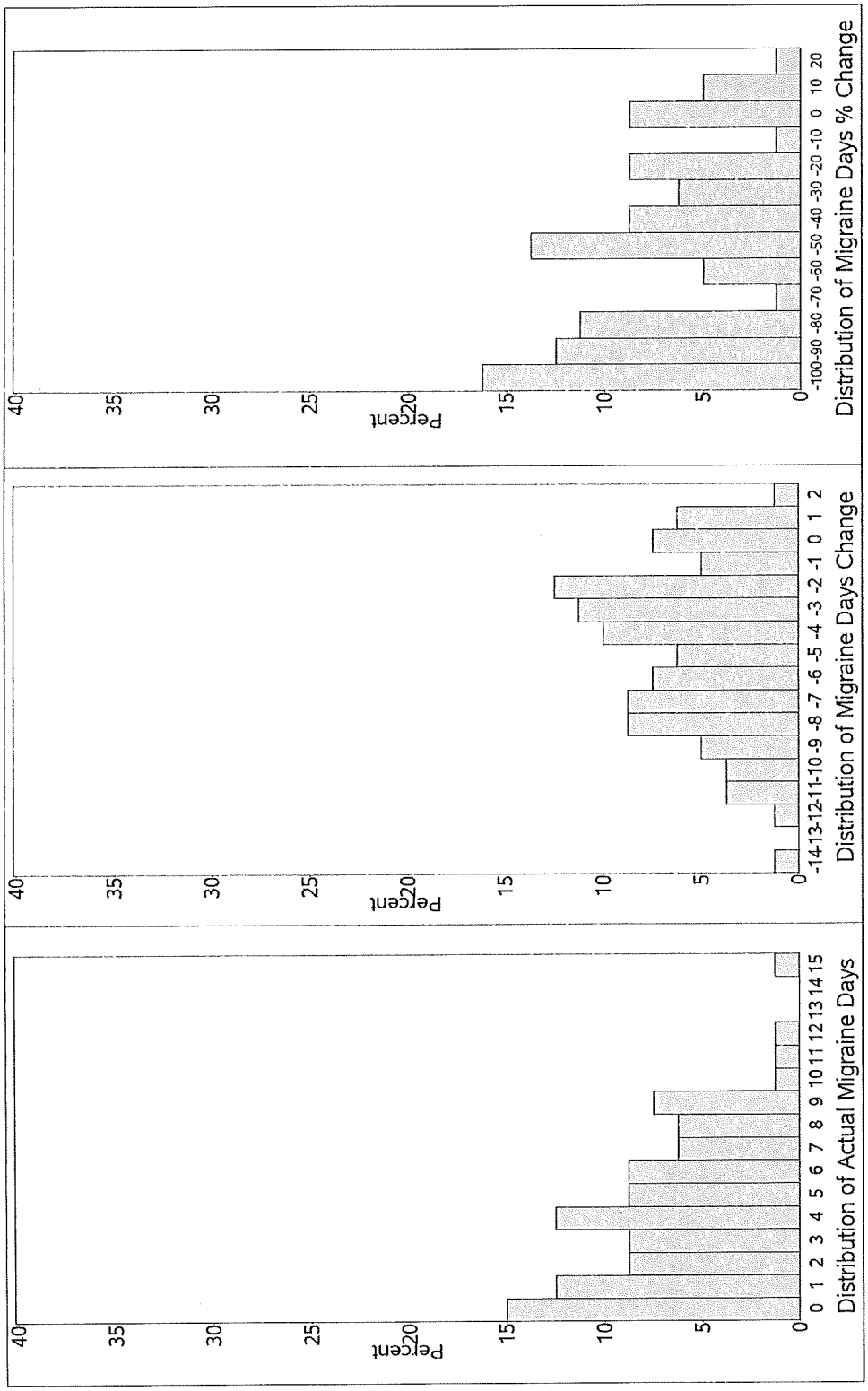

Distribution of Actual Migraine Days
Distribution of Migraine Days Change
Distribution of Migraine Days % Change
Percent
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2
-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20
0 5 10 15 20 25 30 35 40

FIG. 28

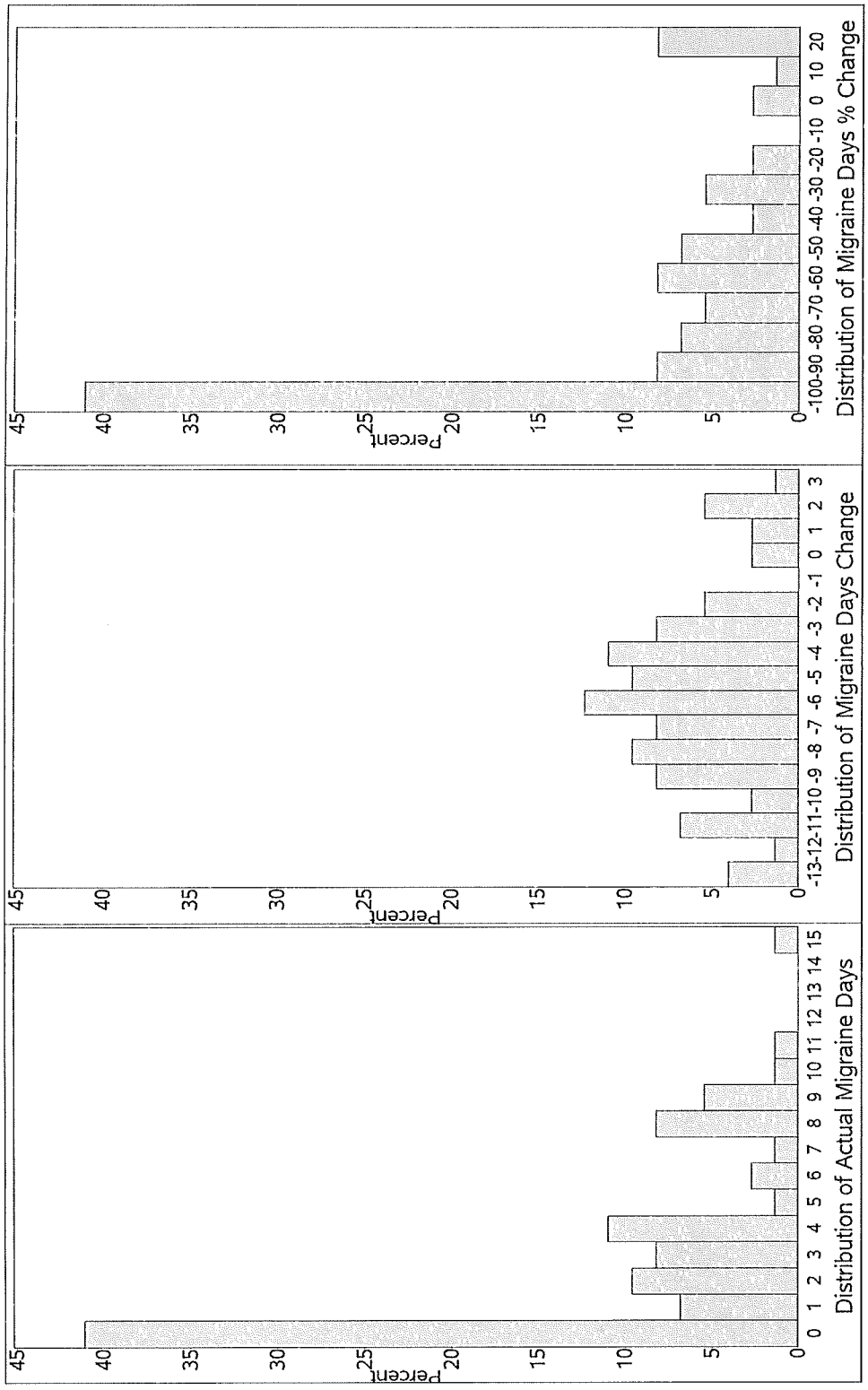

Distribution of Actual Migraine Days
Distribution of Migraine Days Change
Distribution of Migraine Days % Change
Percent
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
-13-12-11-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3
-100-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20
0 5 10 15 20 25 30 35 40 45

FIG. 29

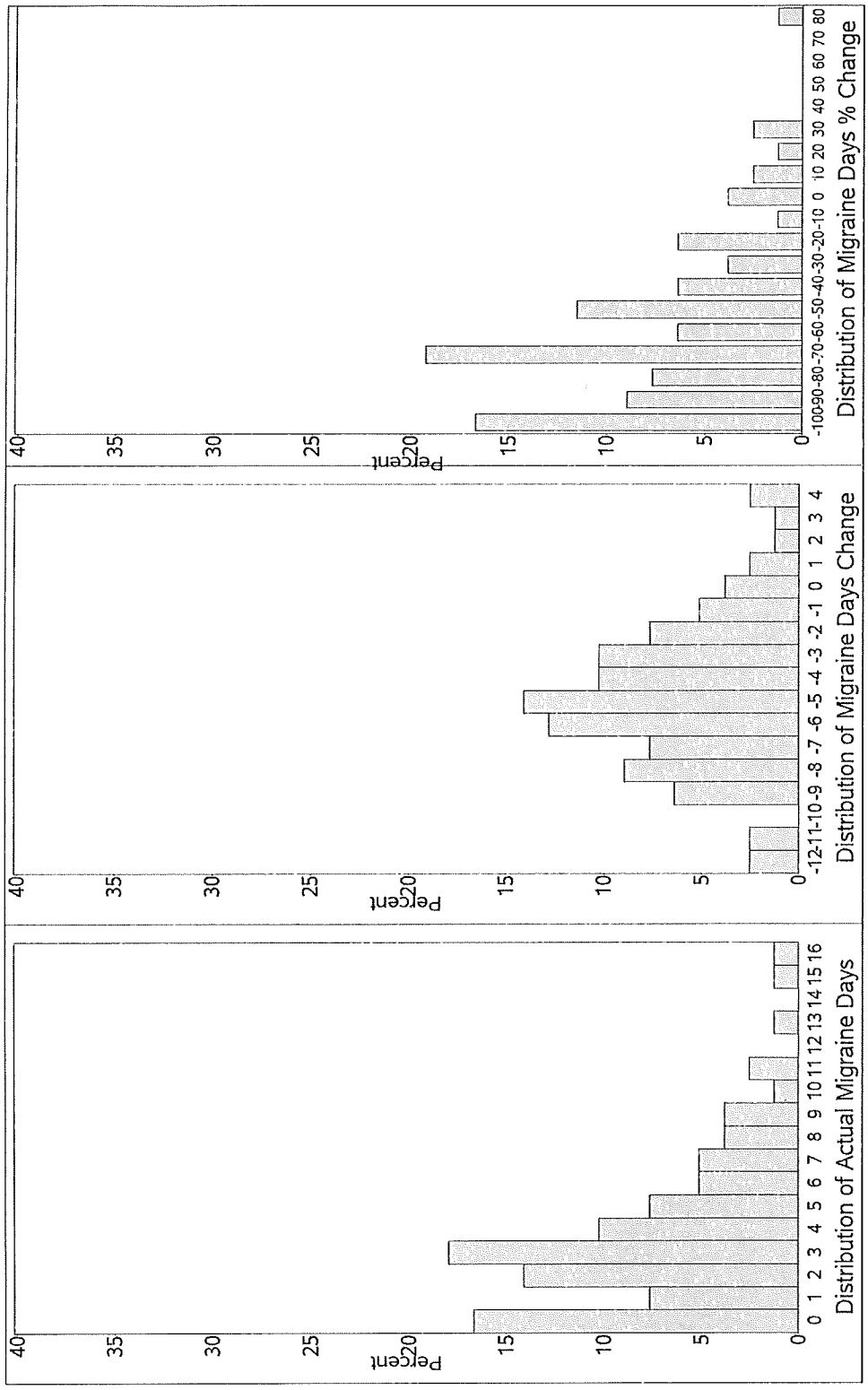

Distribution of Actual Migraine Days
Distribution of Migraine Days Change
Distribution of Migraine Days % Change
Percent
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
-12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4
-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80
0 5 10 15 20 25 30 35 40

FIG. 30

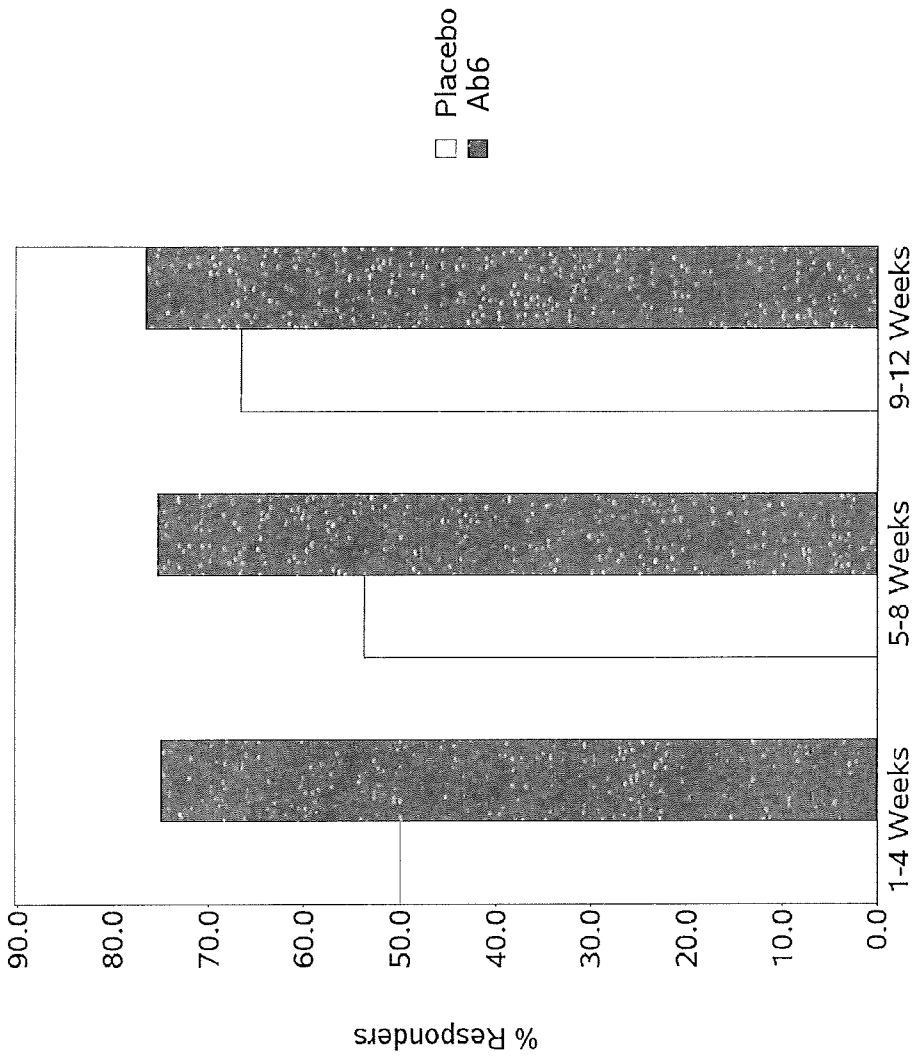

Placebo
Ab6
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
% Responders
1-4 Weeks
5-8 Weeks
9-12 Weeks

FIG. 31

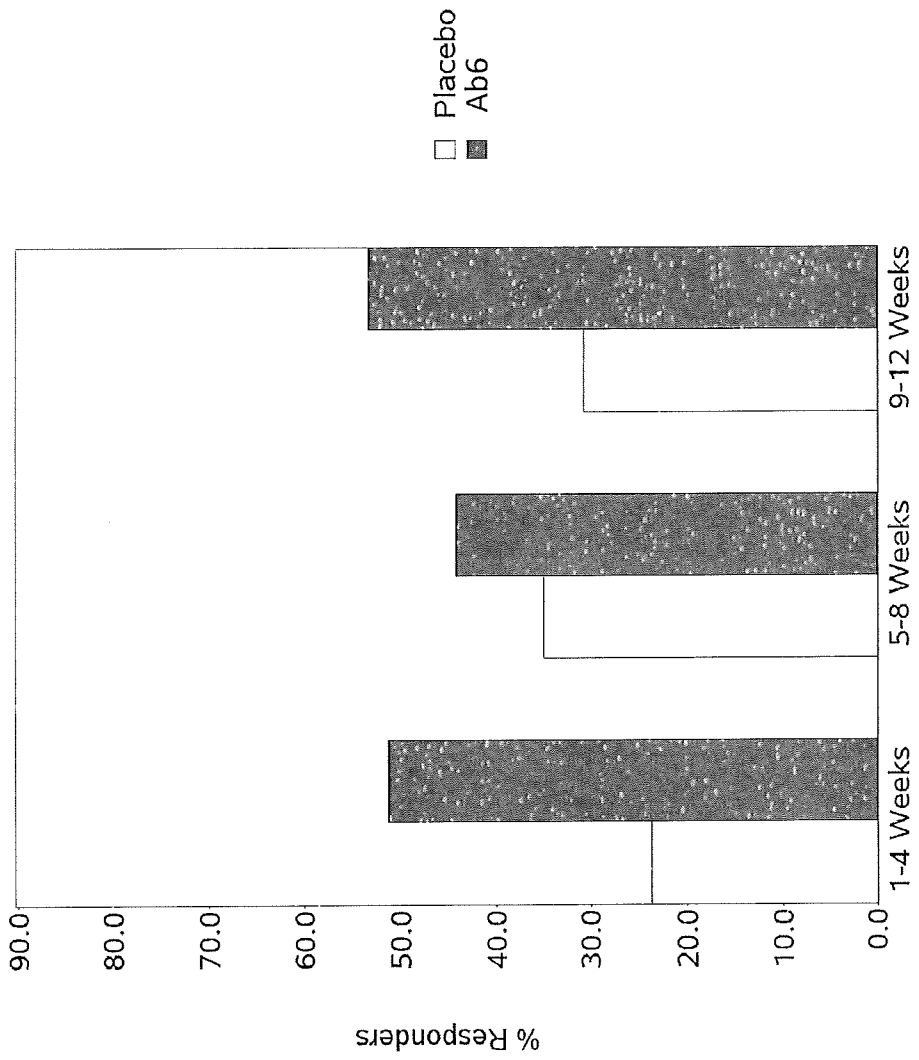

Placebo
Ab6
% Responders
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1-4 Weeks
5-8 Weeks
9-12 Weeks

FIG. 32

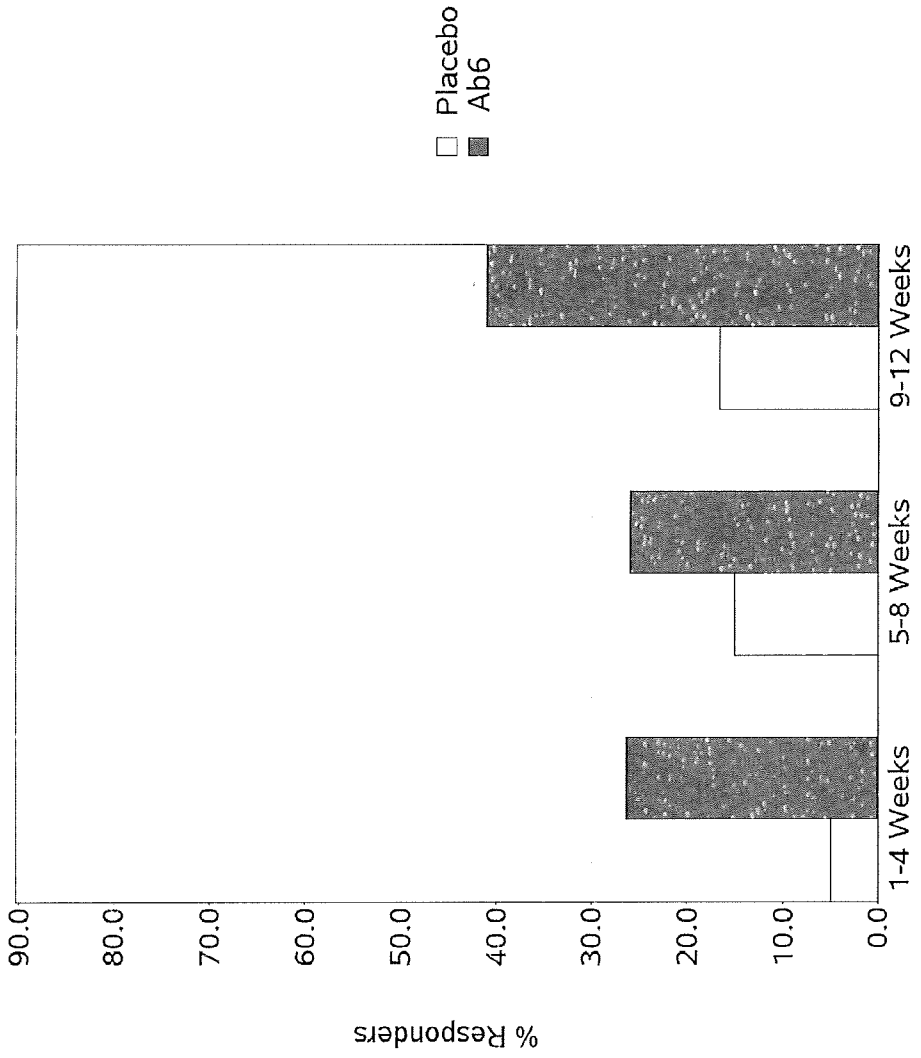

Placebo
Ab6
% Responders
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1-4 Weeks
5-8 Weeks
9-12 Weeks

FIG. 33

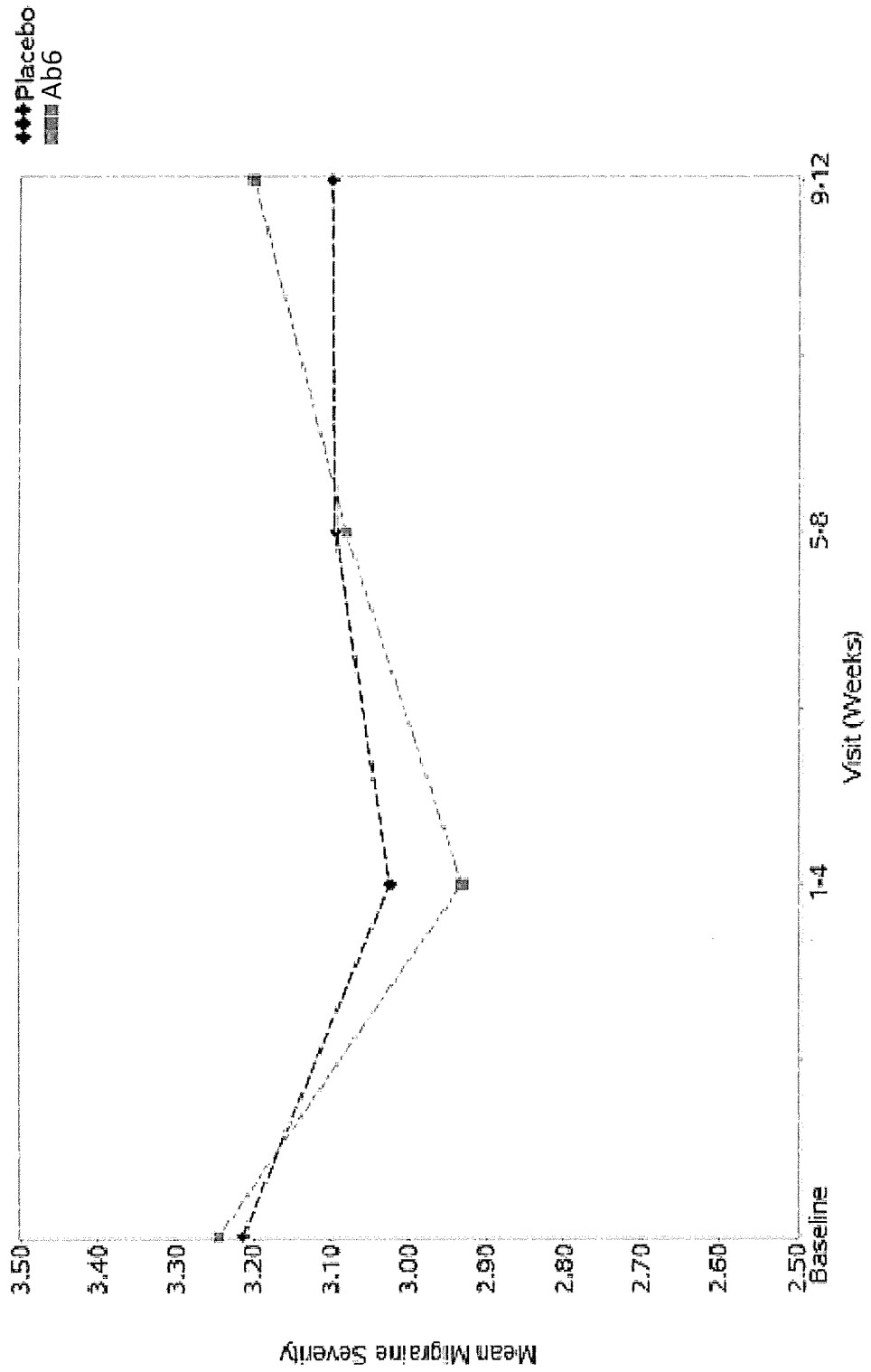

Placebo
Ab6
Mean Migraine Severity
3.50
3.40
3.30
3.20
3.10
3.00
2.90
2.80
2.70
2.60
2.50
Baseline
1-4
5-8
9-12
Visit (Weeks)

FIG. 34. Mean (±SD) Change from Baseline In Study Endpoints						
Endpoint	**Weeks 1-4**		**Weeks 5-8**		**Weeks 9-12**	
	Placebo i.v. (n=82)	**Ab6 1000mg i.v. (n=81)**	**Placebo i.v. (n=82)**	**Ab6 1000mg i.v. (n=81)**	**Placebo i.v. (n=82)**	**Ab6 1000mg i.v. (n=81)**
Migraine Days	-3.9 (3.5)	-5.6 (3.3)[1]	-4.6 (3.6)	-5.6 (3.0)[2]	-4.6 (3.5)	-5.6 (4.0)[3]
Migraine Episodes	-3.0 (2.7)	-3.7 (2.4)	-3.7 (2.9)	-3.8 (2.2)	-3.7 (2.8)	-3.9 (2.6)
Migraine Hours	-33.7 (41.8)	-58.0 (49.1)	-36.1 (45.9)	-54.4 (48.3)	-37.1 (40.0)	-54.6 (60.5)
Average Migraine Severity[4]	-0.16 (0.58)	-0.31 (0.58)	-0.10 (0.54)	-0.16 (0.50)	-0.08 (0.54)	-0.11 (0.43)
Headache Frequency	-4.0 (3.8)	-5.6 (3.4)	-5.0 (3.7)	-5.3 (3.5)	-5.1 (3.7)	-5.9 (3.8)
HIT-6 score	-5.8 (7.8)	-10.2 (9.8)	-8.1 (8.9)	-9.9 (9.7)	-7.7 (9.0)	-10.1 (10.6)
MSQ RFP	19.9 (23.8)	29.3 (24.3)	25.2 (24.8)	28.8 (24.7)	22.2 (23.1)	28.5 (24.5)
MSQ RFR	16.3 (23.2)	21.1 (23.9)	20.2 (22.1)	20.9 (23.3)	18.0 (20.5)	21.4 (23.1)
MSQ EF	19.4 (27.6)	25.1 (28.3)	21.2 (25.1)	23.8 (25.8)	21.1 (25.1)	23.1 (26.8)

[1]$p<0.001$; [2]$p=0.03$; [3]$p=0.06$; [4] Severity measured on a 4 point scale with 1= mild and 4 = severe

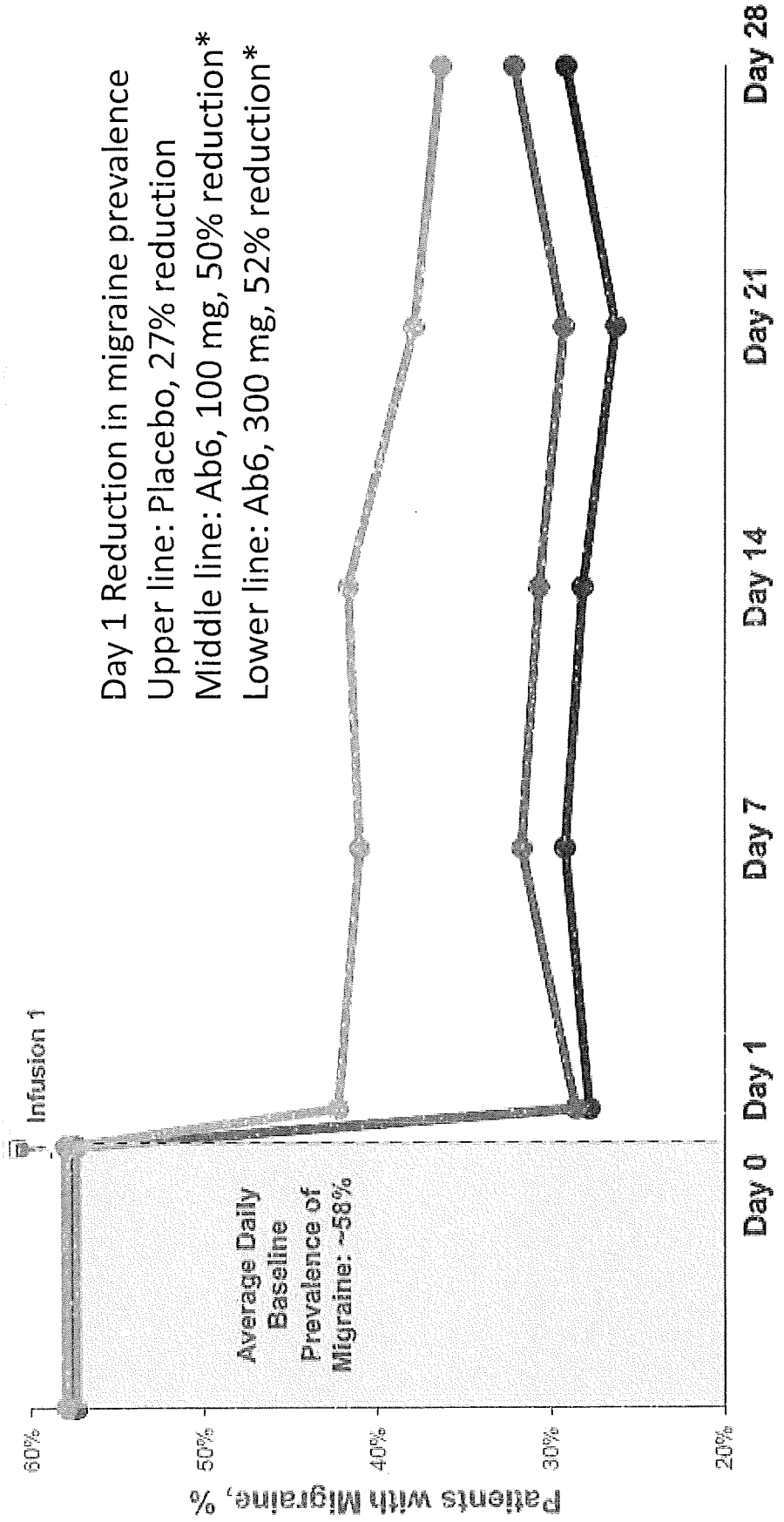

Day 1 Reduction in migraine prevalence
Upper line: Placebo, 27% reduction
Middle line: Ab6, 100 mg, 50% reduction*
Lower line: Ab6, 300 mg, 52% reduction*
Infusion 1
Average Daily Baseline Prevalence of Migraine: ~58%
Patients with Migraine, %
60%
50%
40%
30%
20%
Day 0
Day 1
Day 7
Day 14
Day 21
Day 28

FIG. 35

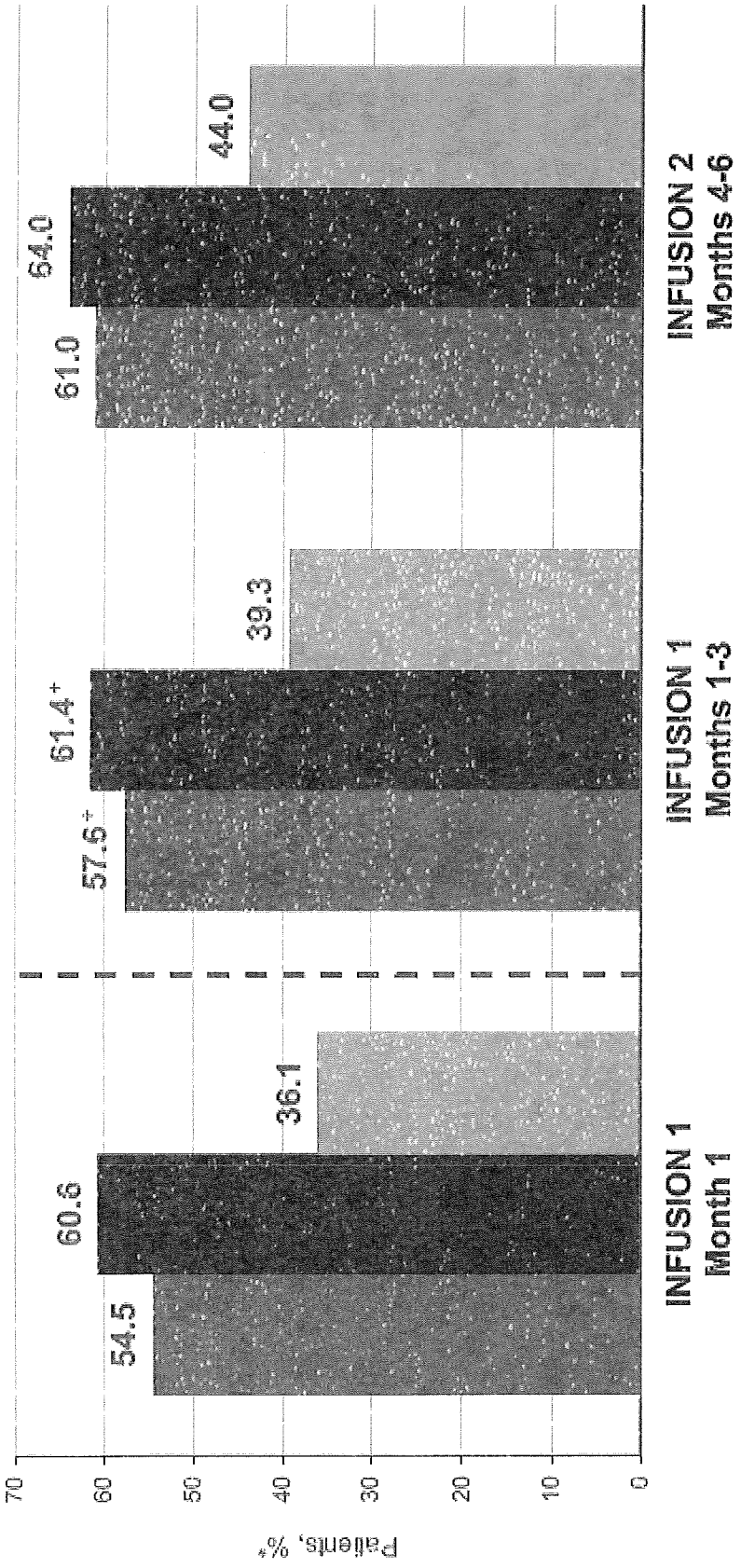


FIG. 36. Chronic migraine ≥ 50% responder rates

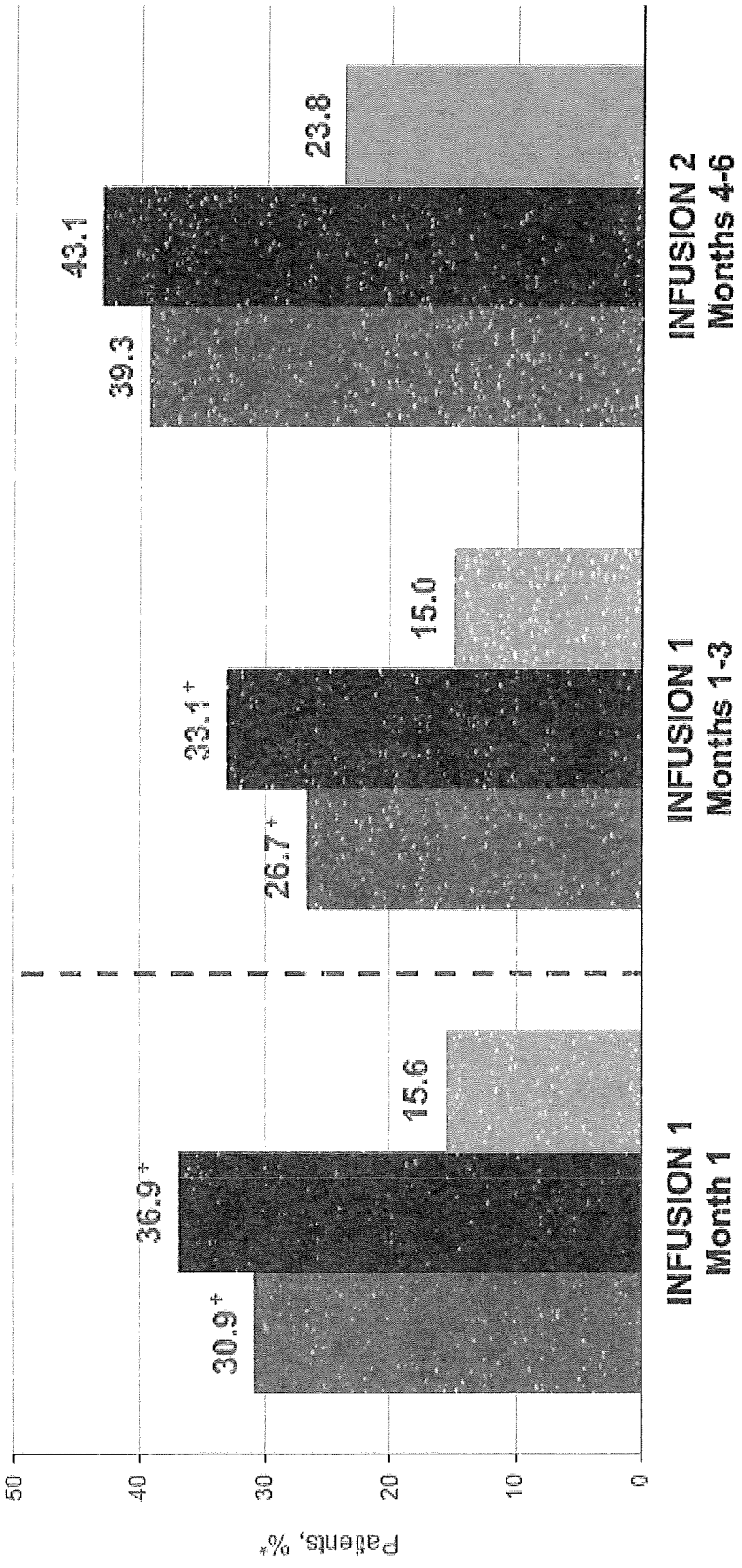


FIG. 37. Chronic migraine ≥ 75% responder rates

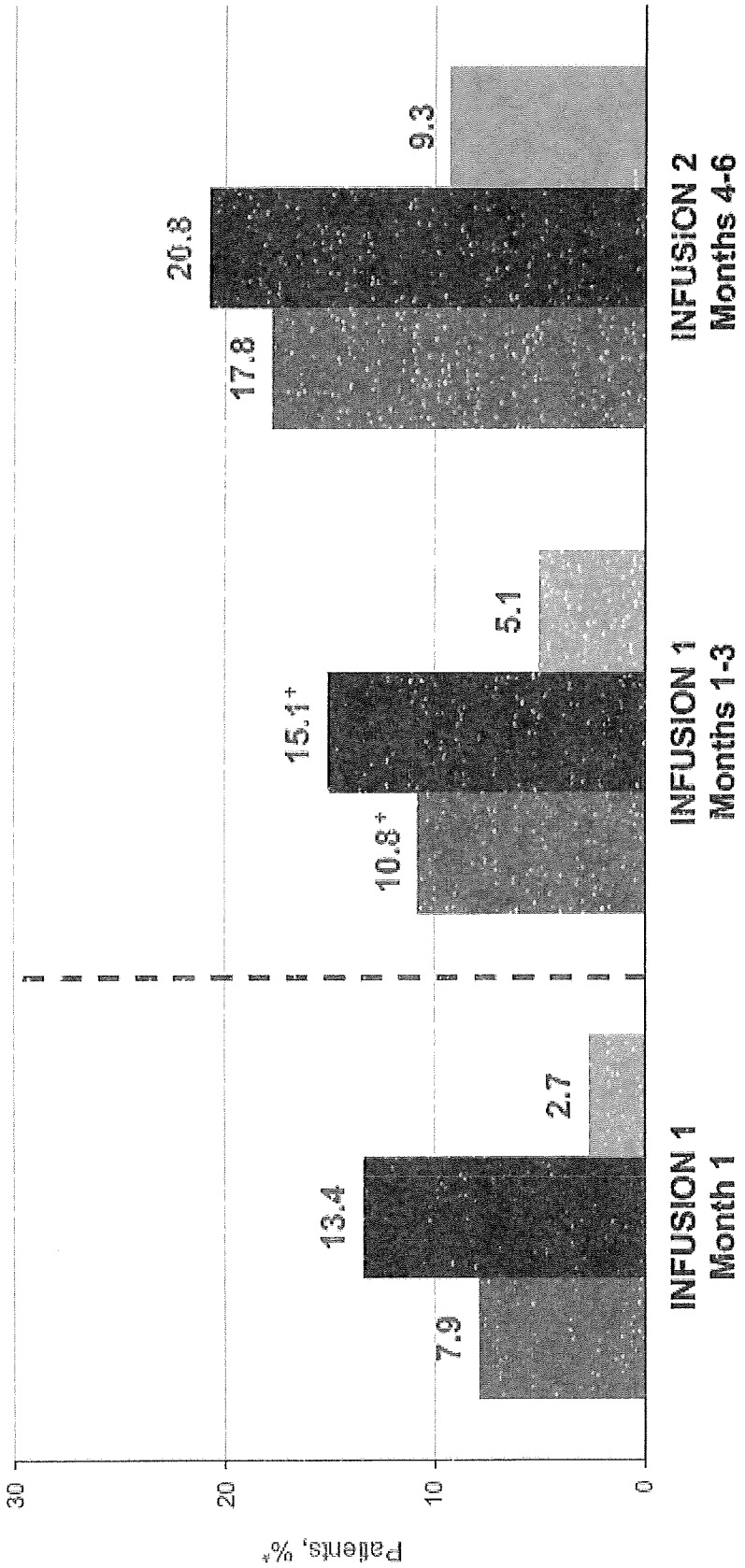


FIG. 38. Chronic migraine 100% responder rates

FIG. 39

	Placebo	100 mg	300 mg
Subjects, n	**366**	**356**	**350**
Mean age, years (SD)	39.6 (11.3)	41.0 (11.7)	41.0 (10.4)
Mean BMI, kg/m^2 (SD)	27.0 (5.6)	26.4 (5.0)	26.3 (5.0)
Female, %	89	86	90
Mean years from migraine diagnosis	17.0	18.3	19.0
Mean duration of chronic migraine, years (SD)	11.6 (10.9)	11.6 (11.7)	12.4 (11.2)
≥1 prophylactic medication, n (%)*	163 (44.5)	161 (45.2)	155 (44.3)
Mean migraine days/month (SD)	16.2 (4.6)	16.1 (4.6)	16.1 (4.8)
Mean headache days/month (SD)	20.6 (3.0)	20.4 (3.1)	20.4 (3.2)

WO 2020/146535

PCT/US2020/012790

FIG. 40. Difference from placebo in change from baseline in mean migraine days (MMD) over months 1-3 by baseline subgroup

Variable	Subgroup	Change from baseline (sample size)			Difference from placebo (95% CI)	
		100 mg	300 mg	Placebo	100 mg	300 mg
All patients		-3.9 (n=221)	-4.3 (n=222)	-3.2 (n=222)	-0.9 (-1.50, -0.20)	-1.3 (-1.91, -0.59)
MMD frequency	≤9 days	-3.2 (n=142)	-3.6 (n=142)	-2.1 (n=144)	-1.1 (-1.85, -0.38)	-1.5 (-2.22, -0.73)
	>9 days	-5.1 (n=79)	-5.6 (n=80)	-4.8 (n=78)	-0.3 (-1.45, 0.78)	-0.8 (-1.94, 0.37)
Age at diagnosis	≤21 years	-4.4 (n=123)	-4.6 (n=122)	-2.9 (n=113)	-1.6 (-2.47, -0.69)	-1.7 (-2.66, -0.80)
	>21 years	-3.3 (n=98)	-4.0 (n=100)	-3.3 (n=109)	0.0 (-0.92, 0.95)	-0.7 (-1.65, 0.25)
Duration of migraine	≤15 years	-3.6 (n=106)	-4.2 (n=98)	-3.2 (n=115)	-0.4 (-1.40, 0.61)	-1.0 (-2.03, 0.03)
	>15 years	-4.2 (n=115)	-4.4 (n=124)	-2.9 (n=107)	-1.3 (-2.12, -0.47)	-1.5 (-2.36, -0.62)
Aura symptoms	Suffer from aura	-4.0 (n=167)	-4.2 (n=173)	-3.1 (n=167)	-0.8 (-1.63, -0.06)	-1.0 (-1.82, -0.25)
	No aura	-3.7 (n=54)	-4.8 (n=49)	-2.8 (n=55)	-0.9 (-1.96, 0.22)	-2.0 (-3.19, -0.76)

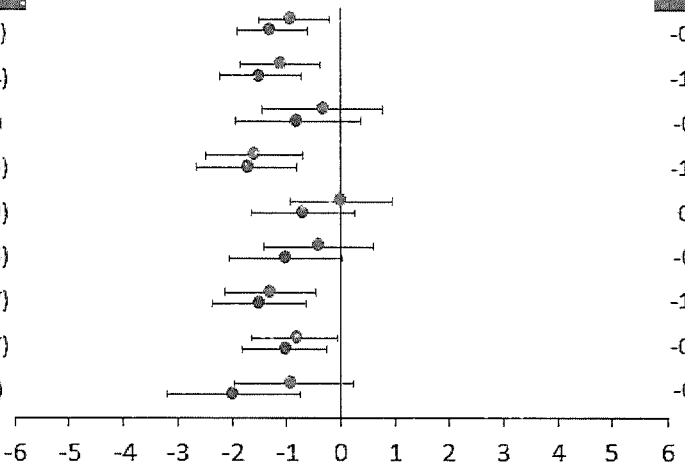
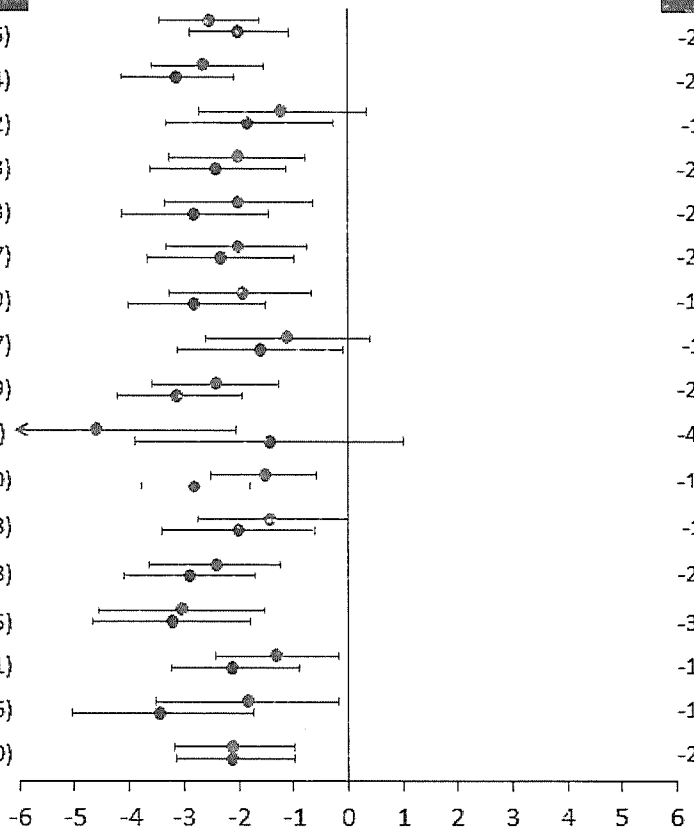


FIG. 41. Difference from placebo in change from baseline in mean migraine days (MMD) over months 1-3 by baseline subgroup

Variable	Subgroup	Change from baseline (sample size)			Difference from placebo (95% CI)	
		100 mg	300 mg	Placebo	100 mg	300 mg
All patients		-8.3 (n=350)	-7.8 (n=356)	-5.8 (n=366)	-2.5 (-3.44, -1.62)	-2.0 (-2.89, -1.07)
MMD frequency	<17 days	-6.8 (n=192)	-7.4 (n=193)	-4.3 (n=204)	-2.6 (-3.58, -1.53)	-3.1 (-4.12, -2.08)
	≥17 days	-8.9 (n=164)	-9.5 (n=157)	-7.7 (n=162)	-1.2 (-2.70, 0.35)	-1.8 (-3.32, -0.25)
Age at diagnosis	≤21 years	-7.5 (n=204)	-7.8 (n=193)	-5.5 (n=193)	-2.0 (-3.26, -0.78)	-2.4 (-3.60, -1.13)
	>21 years	-8.2 (n=152)	-8.9 (n=157)	-6.2 (n=173)	-2.0 (-3.35, -0.64)	-2.8 (-4.12, -1.43)
Duration of migraine	≤15 years	-8.0 (n=174)	-8.3 (n=158)	-6.0 (n=187)	-2.0 (-3.31, -0.74)	-2.3 (-3.65, -0.97)
	>15 years	-7.6 (n=182)	-8.4 (n=192)	-5.6 (n=179)	-1.9 (-3.25, -0.65)	-2.8 (-4.00, -1.50)
Aura symptoms	Suffer from aura	-7.1 (n=115)	-7.6 (n=128)	-6.0 (n=127)	-1.1 (-2.59, 0.40)	-1.6 (-3.11, -0.07)
	No aura	-8.1 (n=241)	-8.7 (n=222)	-5.7 (n=239)	-2.4 (-3.56, -1.27)	-3.1 (-4.20, -1.93)
Prior prophylactic medication use	Yes	-10.3 (n=51)	-7.2 (n=62)	-5.7 (n=46)	-4.6 (-7.19, -2.04)	-1.4 (-3.90, 1.02)
	No	-7.4 (n=305)	-8.6 (n=288)	-5.8 (n=320)	-1.5 (-2.51, -0.57)	-2.8 (-3.76, -1.79)
Concomitant prophylactic medication use	Yes	-6.4 (n=152)	-7.1 (n=147)	-5.1 (n=158)	-1.4 (-2.73, 0.01)	-2.0 (-3.39, -0.60)
	No	-8.8 (n=204)	-9.2 (n=203)	-6.4 (n=208)	-2.4 (-3.63, -1.23)	-2.9 (-4.08, -1.71)
Medication overuse	Yes	-8.4 (n=139)	-8.6 (n=147)	-5.4 (n=145)	-3.0 (-4.56, -1.52)	-3.2 (-4.66, -1.78)
	No	-7.4 (n=217)	-8.1 (n=203)	-6.1 (n=221)	-1.3 (-2.43, -0.16)	-2.1 (-3.24, -0.88)
Triptan use	≥33% of days	-7.7 (n=124)	-9.2 (n=125)	-5.9 (n=116)	-1.8 (-3.51, -0.18)	-3.4 (-5.05, -1.73)
	<33% of days	-7.9 (n=231)	-7.8 (n=225)	-5.8 (n=250)	-2.1 (-3.16, -0.98)	-2.1 (-3.13, -0.97)



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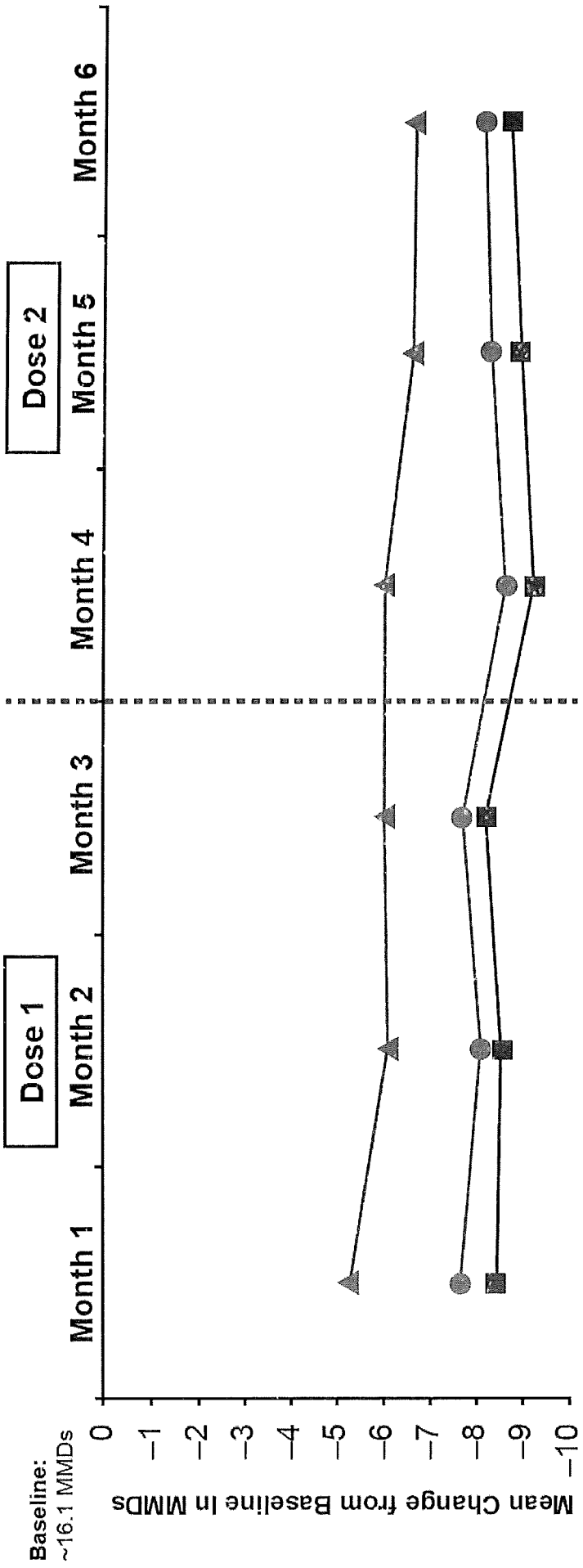

Mean Change from Baseline in MMDs
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
−10
Baseline:
~16.1 MMDs
Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Dose 1
Dose 2

FIG. 42.

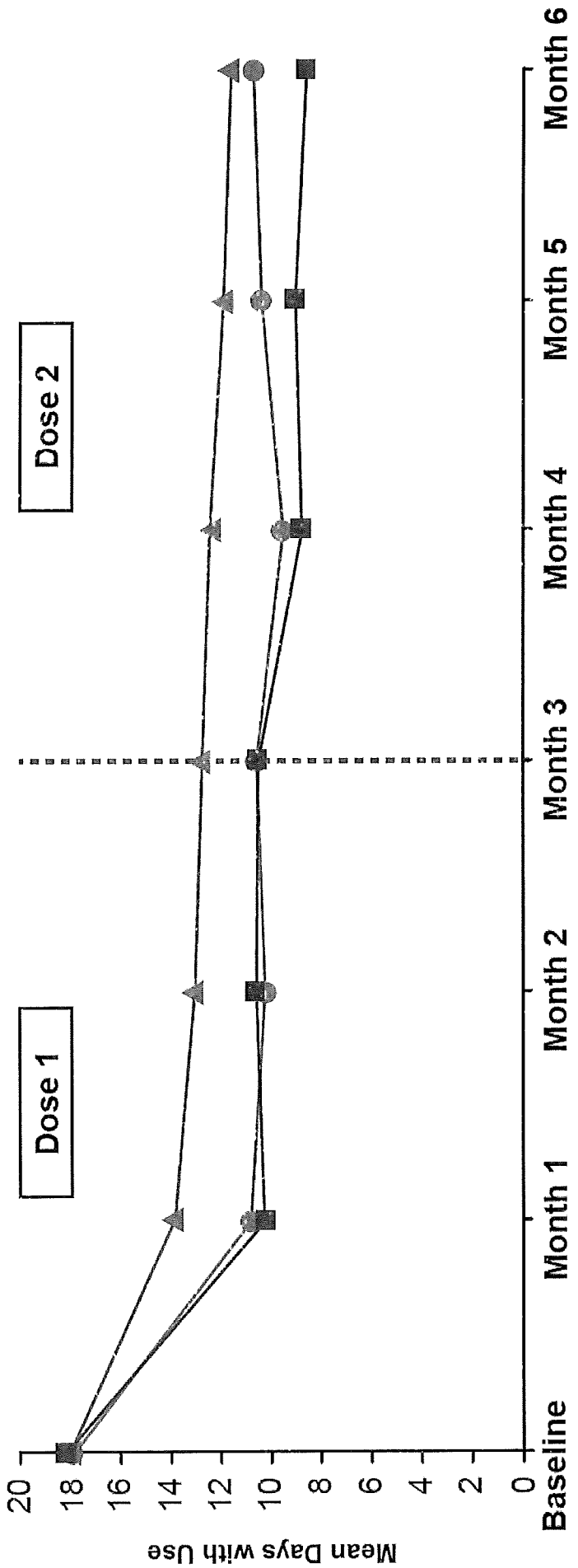

Mean Days with Use
20
18
16
14
12
10
8
6
4
2
0
Baseline
Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Dose 1
Dose 2

FIG. 43.

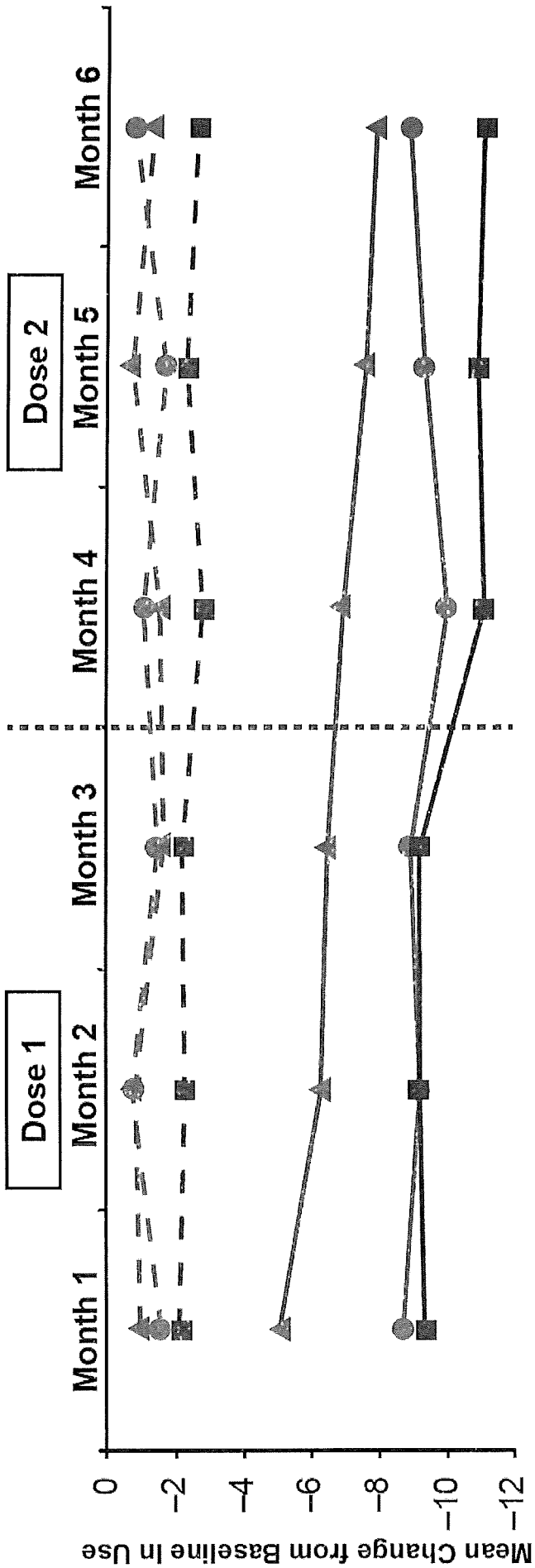

Mean Change from Baseline in Use
0
−2
−4
−6
−8
−10
−12
Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Dose 1
Dose 2

FIG. 44.

FIG. 45.

	Month 1			Month 6		
	Ab6 100 mg	Ab6 400 mg	Placebo	Ab6 100 mg	Ab6 400 mg	Placebo
Baseline use						
1–9 days/month, n	37	49	49	37	49	49
≥10 days/month, n	264	265	260	264	265	260
≥1 day/month, mean (SD)	18.3 (9.05)	18.4 (9.61)	17.9 (8.60)	18.3 (9.05)	18.4 (9.61)	17.9 (8.60)
Post-baseline use, mean (SD)						
≥1 day/month	10.7 (9.39)	10.2 (9.87)	13.8 (9.52)	10.8 (11.18)	8.6 (9.97)	11.5 (10.16)
Change from baseline, mean (SD)						
≥1 day/month	-7.8 (8.08)	-8.3 (7.64)	-4.5 (7.46)	-8.1 (9.90)	-9.6 (9.92)	-7.0 (9.39)
1–9 days/month	-1.5 (4.44)	-2.3 (4.34)	-1.0 (5.29)	-0.8 (6.63)	-2.6 (4.57)	-1.3 (4.83)
≥10 days/month	-8.7 (8.08)	-9.4 (7.62)	-5.1 (7.63)	-8.9 (9.88)	-11.1 (10.10)	-7.9 (9.64)
Percent change from baseline, mean (SD)						
≥1 day/month	-42.6 (39.98)	-47.0 (40.90)	-22.4 (52.02)	-40.7 (60.66)	-52.9 (48.97)	-34.7 (58.48)
1–9 days/month	-31.8 (67.95)	-47.3 (65.38)	-9.5 (100.52)	1.4 (132.84)	-45.0 (73.05)	-11.2 (108.44)
≥10 days/month	-44.1 (34.24)	-47.0 (34.73)	-24.8 (36.17)	-45.3 (44.91)	-54.5 (42.52)	-38.5 (44.63)

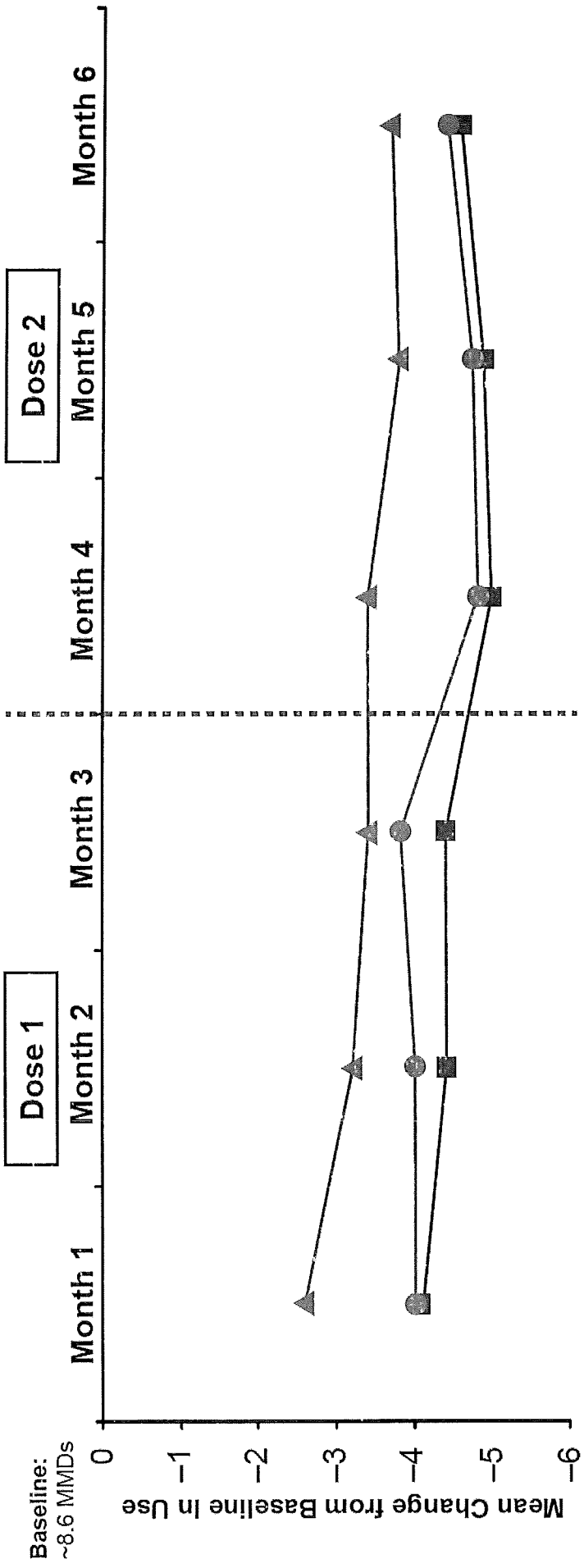

Baseline:
~8.6 MMDs
0
−1
−2
−3
−4
−5
−6
Mean Change from Baseline in Use
Month 1
Dose 1
Month 2
Month 3
Month 4
Dose 2
Month 5
Month 6

FIG. 46.

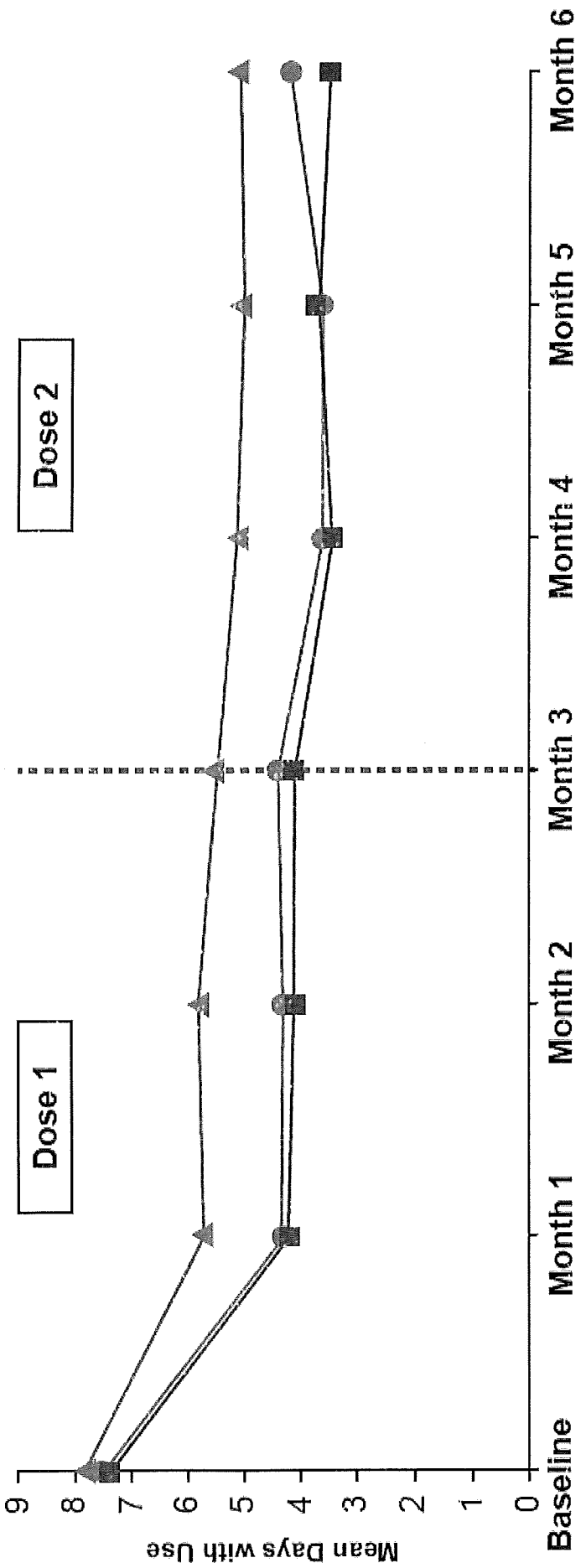

Mean Days with Use
0
1
2
3
4
5
6
7
8
9
Baseline
Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Dose 1
Dose 2

FIG. 47.

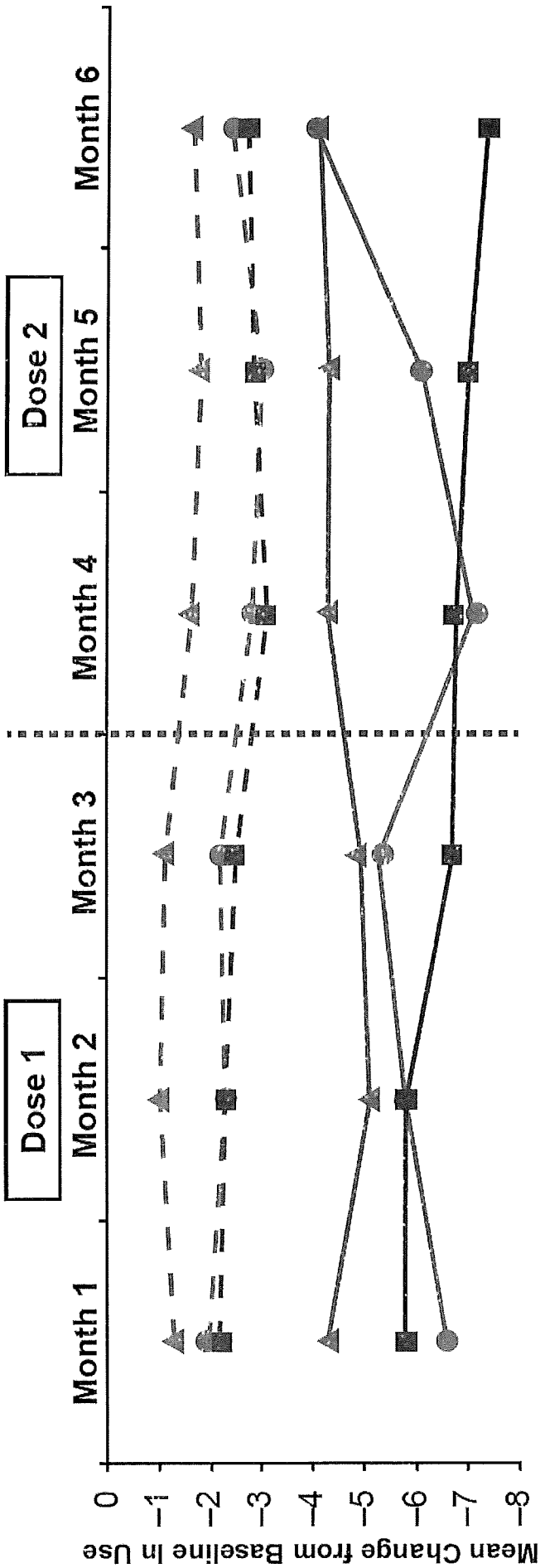

Mean Change from Baseline In Use
0
-1
-2
-3
-4
-5
-6
-7
-8
Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Dose 1
Dose 2

FIG. 48.

FIG. 49. Summary of Acute Medication Days by Subgroups of Episodic Migraine Patients with Baseline Acute Medication Use

	Month 1			Month 6		
	Ab6 100 mg	Ab6 400 mg	Placebo	Ab6 100 mg	Ab6 400 mg	Placebo
Baseline use						
1–9 days/month, n	117	111	108	117	111	108
≥10 days/month, n	42	41	44	42	41	44
≥1 day/month, mean (SD)	7.5 (4.97)	7.5 (4.58)	7.8 (4.98)	7.5 (4.97)	7.5 (4.58)	7.8 (4.98)
Post-baseline use, mean (SD)						
≥1 day/month	4.3 (3.99)	4.2 (4.45)	5.7 (5.04)	4.2 (5.87)	3.5 (3.92)	5.1 (5.19)
Change from baseline, mean (SD)						
≥1 day/month	-3.3 (4.14)	-3.2 (4.20)	-2.2 (4.68)	-2.8 (4.92)	-4.1 (4.60)	-2.3 (4.69)
1–9 days/month	-2.0 (2.91)	-2.2 (3.57)	-1.3 (3.10)	-2.4 (3.11)	-2.7 (3.83)	-1.6 (3.52)
≥10 days/month	-6.6 (5.11)	-5.8 (4.66)	-4.3 (6.82)	-4.0 (8.60)	-7.4 (4.60)	-4.1 (6.60)
Percent change from baseline, mean (SD)						
≥1 day/month	-36.9 (63.96)	-39.4 (77.71)	-22.4 (60.27)	-45.4 (62.28)	-50.9 (59.88)	-22.5 (95.61)
1–9 days/month	-33.9 (72.22)	-37.0 (88.45)	-19.7 (64.62)	-50.1 (59.65)	-48.2 (68.26)	-18.2 (107.55)
≥10 days/month	-45.1 (30.26)	-45.9 (34.95)	-29.1 (47.94)	-29.2 (69.14)	-57.2 (32.59)	-33.9 (52.53)