

FIGURE 1 A-D

Sequence alignment of variable domains (CDR1, 2 and 3 highlighted)

5	Figure 1A	Alignment of heavy chain variable domain (VH) sequence of anti-FIX antibodies with CDR sequences shown underlined and in bold for the uppermost sequence.
10		mAb01-9016_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGI SWRGD IGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVK SYGSGSFYN AFD SD SWGQGLTLVTSS mAb01-9373_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9696_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9697_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9933_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9978_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9985_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9986_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb01-9994_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0047_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0049_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0107_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWRGDIIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0149_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0160_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0164_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0174_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0723_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0923_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0929_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0931_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0932_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0933_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0935_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0937_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0938_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCVKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0962_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-0965_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1021_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1024_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1030_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1033_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1039_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1042_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1073_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS mAb11-1076_FIX_VH EVOLVESEGGGLVQPGKSLIKLSCAASGETFDDYAMHWRAQVPKGKLEWVSGIISWKGDIGGYVDSVKGRFTISRDNKNSLYLQINSRAEDTALYYCAKSYGSGSFYNAFDSDWGQGLTLVTSS

[illegible]

mab11-1091_FIX_VH
 mab11-1094_FIX_VH
 mab11-1233_FIX_VH
 mab11-1254_FIX_VH
 mab11-1259_FIX_VH
 mab11-1260_FIX_VH
 mab11-1262_FIX_VH
 mab11-1266_FIX_VH
 mab11-1268_FIX_VH
 mab11-1273_FIX_VH
 mab11-1275_FIX_VH
 mab11-1276_FIX_VH
 mab11-1278_FIX_VH
 mab11-1279_FIX_VH
 mab11-1282_FIX_VH
 mab11-1286_FIX_VH
 mab11-1288_FIX_VH
 mab11-1344_FIX_VH
 mab11-1358_FIX_VH
 mab11-1360_FIX_VH
 mab11-1389_FIX_VH
 mab01-1767_FIX_VH
 mab11-0173_FIX_VH
 mab11-1204_FIX_VH
 mab11-1495_FIX_VH
 mab11-1501_FIX_VH
 mab11-1502_FIX_VH
 mab11-1499_FIX_VH

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mAb11-1266_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDKGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1268_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1273_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1275_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1276_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1278_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1279_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1282_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1286_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1288_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1344_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1358_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1360_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1389_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb01-1767_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-0173_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1204_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1495_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1501_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1502_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK
mAb11-1499_FIX_VL	DIQMTQSPSTLSASVGDRAVTITTCRASQISSTSWLA	WYQOKPGKAPKFLIYKASRLDRGTPSRFSGSGSGTEFSLTIS	SSLQDDDFATYVC	LEYSSYIRTFGGQTKVEIK

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[illegible]

mab11-1444 FX VH
 mab11-1445 FX VH
 mab11-1446 FX VH
 mab11-1447 FX VH
 mab11-1448 FX VH
 mab11-1449 FX VH
 mab11-1450 FX VH
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 mab11-1472 FX VH
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 mab11-1487 FX VH
 mab11-1488 FX VH
 mab11-1489 FX VH
 mab11-1490 FX VH
 mab11-1491 FX VH
 mab11-1492 FX VH

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mAb11-1493_FX_VH EVQLVQSGAEVKKPGESLRISCKGSGYFSTSWIVVWRQMPGKGLEWNGMIDPDSYTSYSPSFQGHVTISADKSI STAYLQWSSLKASDTAMYYCAR**LHYNSEEFDV**WGQGTIVTVSS
mAb11-1494_FX_VH EVQLVQSGAEVKKPGESLRISCKGSGYFSTSWIVVWRQMPGKGLEWNGMIDPDSYTSYSPSFQGHVTISADKSI STAYLQWSSLKASDTAMYYCAR**LHYNSEEFDV**WGQGTIVTVSS

[illegible]

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mAb11-1493_FX_VL EIVLTQSPGTLSLSPGERATLSCRA**QSVSSVLA**WYQOKPGQAPRLLIY**QSSRTR**GI PDRFSGSGSGTDFTLTISKLEPEDFAVY**QQFCDDQLFT**FGGQTKLEIK
mAb11-1494_FX_VL EIVLTQSPGTLSLSPGERATLSCRA**QSVSSVLA**WYQOKPGQAPRLLIY**QSSRTR**GI PDRFSGSGSGTDFTLTISKLEPEDFAVY**QQFCDDQLFT**FGGQTKLEIK

FIGURE 2

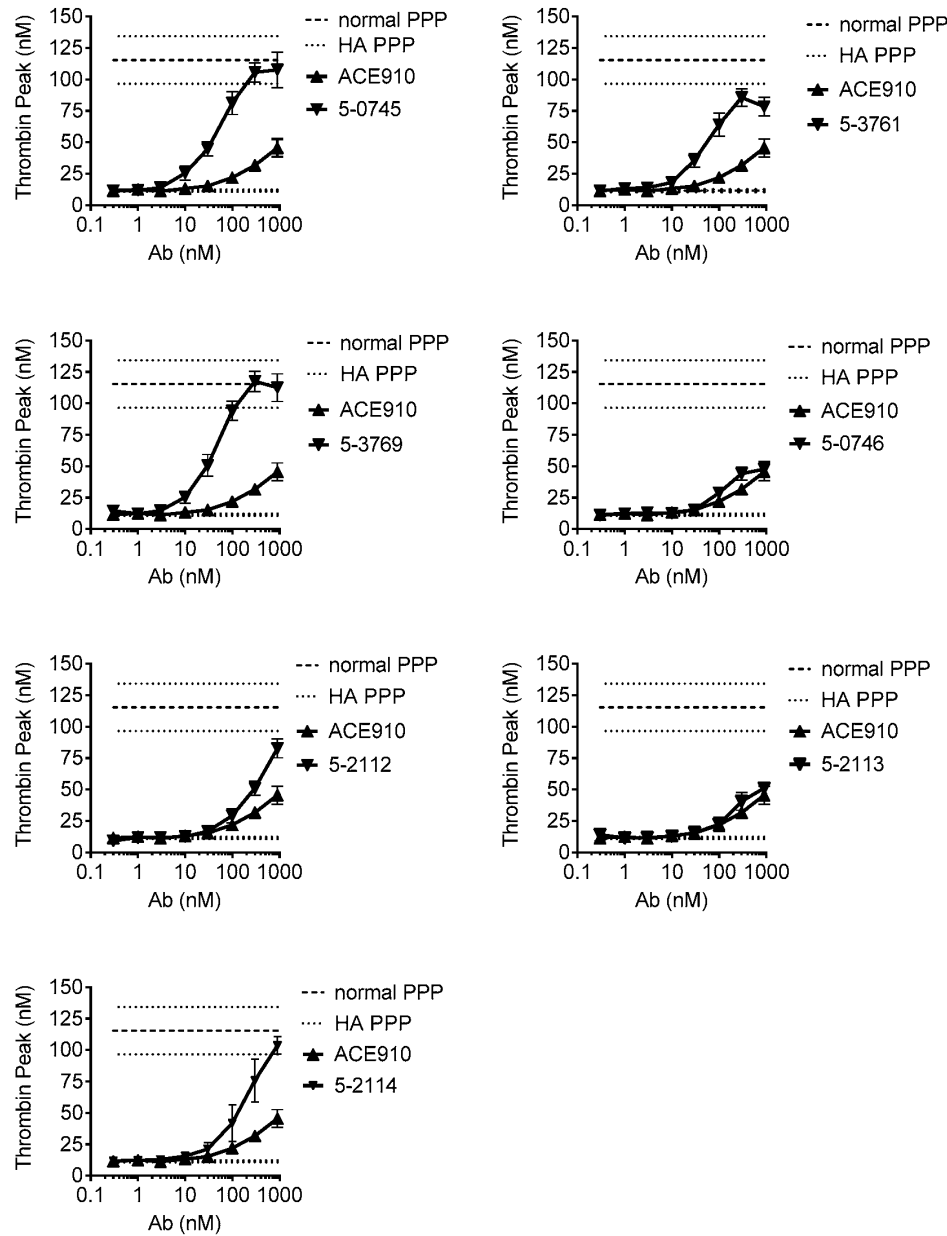


FIGURE 3

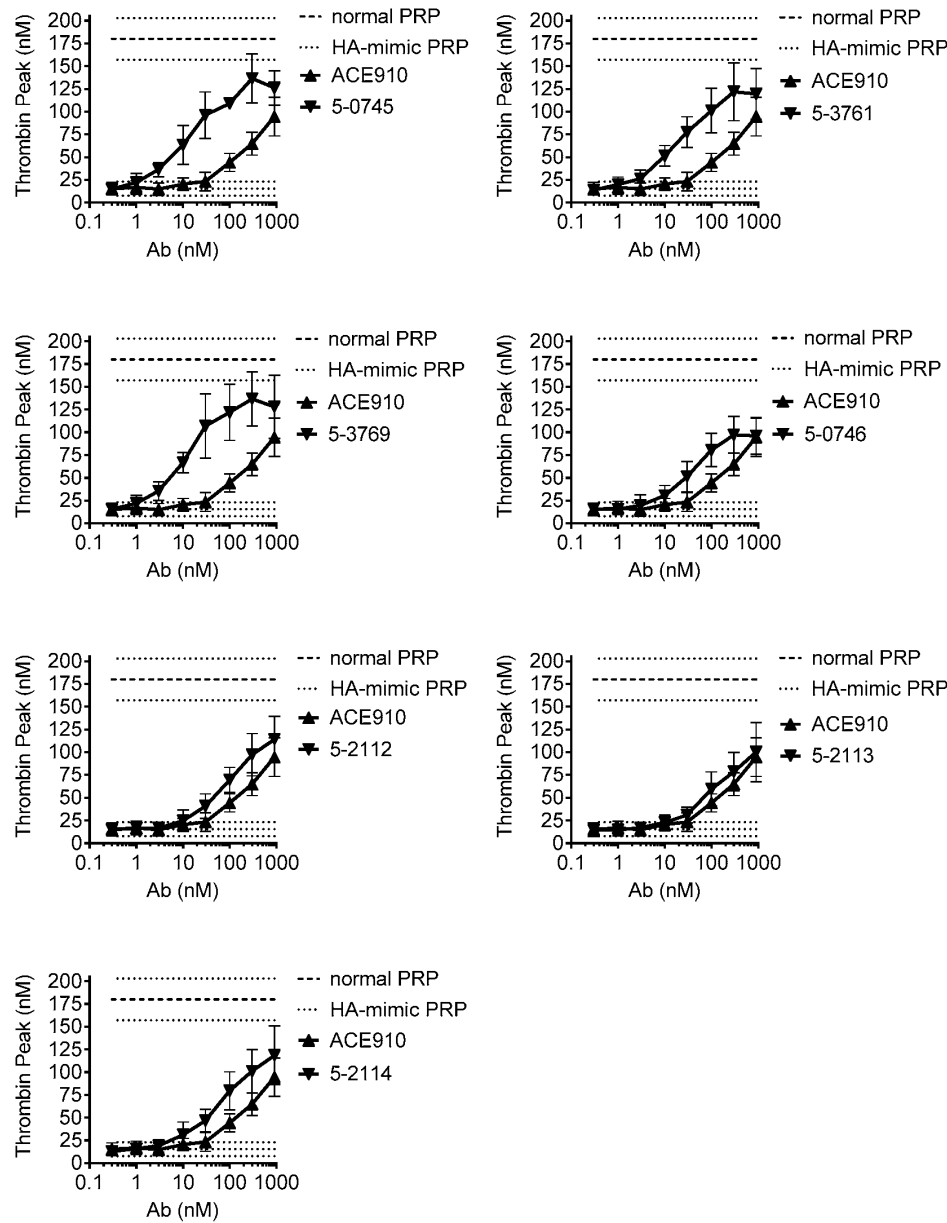


FIGURE 4A (C + D)

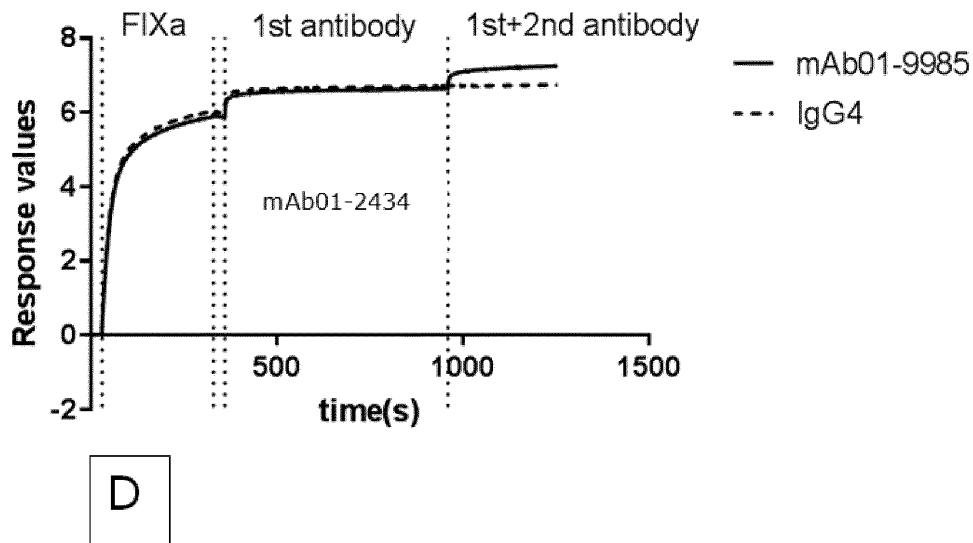
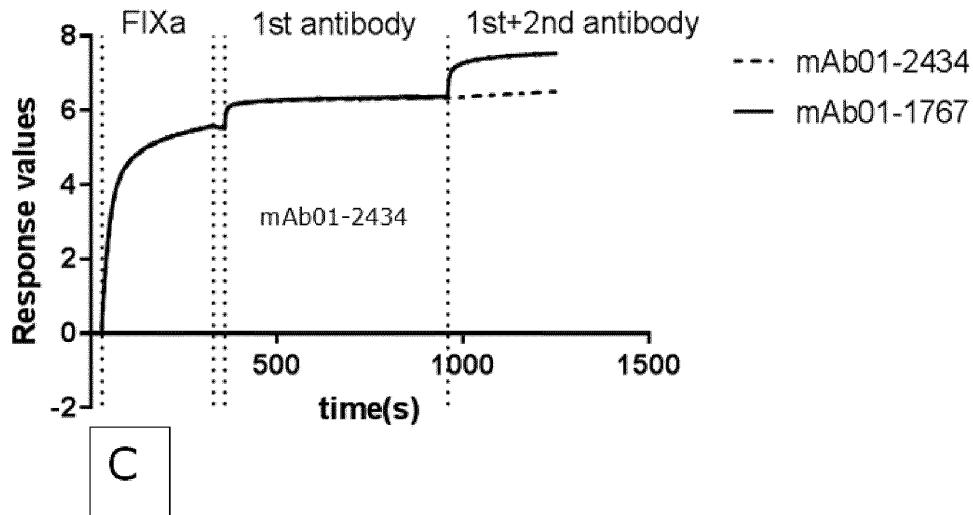


FIGURE 4B (E + F)

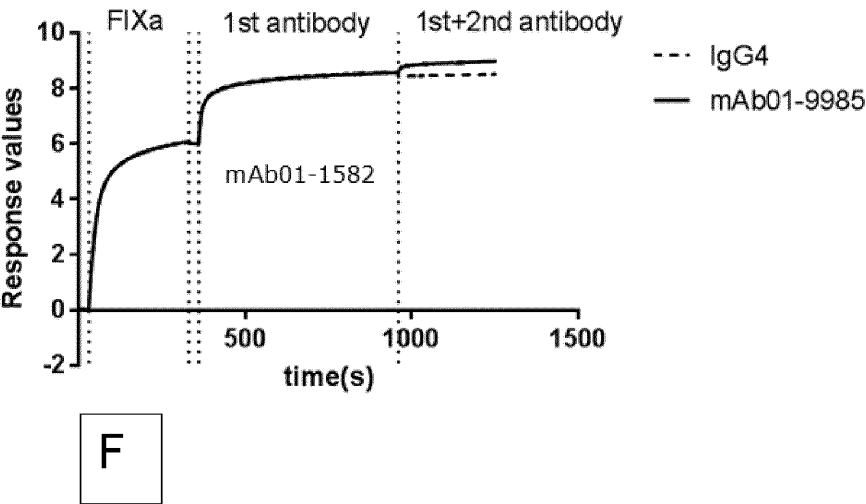
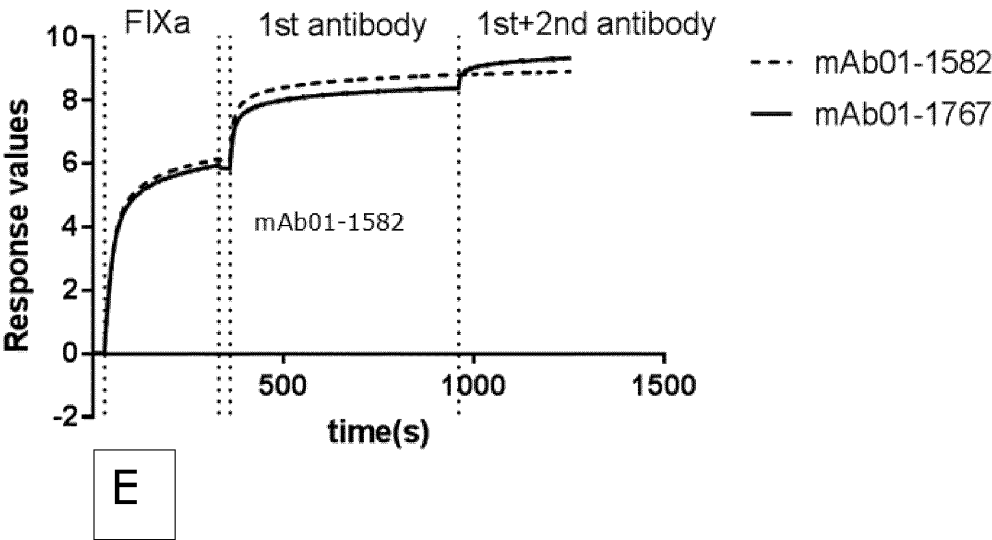
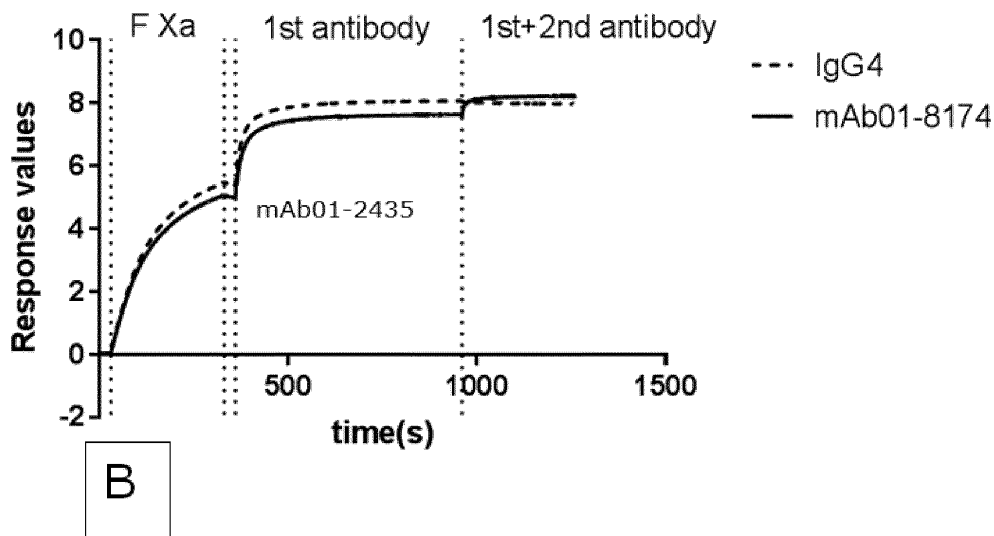
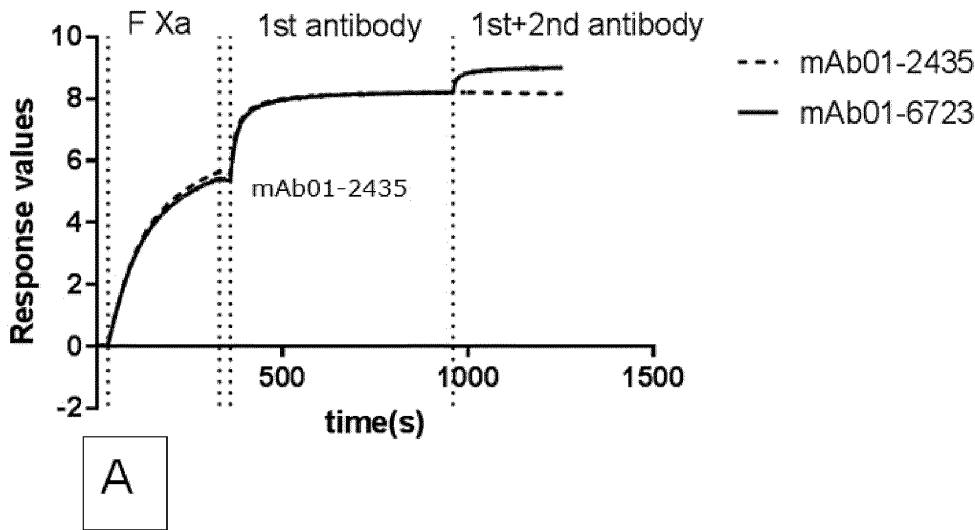


FIGURE 5 (A + B)



ANY REFERENCE TO FIGURES 4 AND 5 SHALL BE CONSIDERED AS NON-EXISTENT