

FIGURE 1 A-D
Sequence alignment of variable domains (CDR1, 2 and 3 highlighted)

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.

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mAb01-9016_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCVK SYGSGSFYNADFS WGQGTILVTVSS
mAb01-9373_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCVKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9696_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCVKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9697_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCVKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9933_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9978_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9985_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9986_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb01-9994_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0047_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0049_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0107_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0149_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0160_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0164_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0174_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0723_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0923_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0929_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0931_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0932_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0933_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0935_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0937_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0938_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0939_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0962_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-0965_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1021_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1024_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1030_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1033_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1039_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1042_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1073_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS
mAb11-1076_FIX_VH	EVQLVESGGGLVQPGSRSLKLSCAASGFTFDDYAMHWVRQVPKGKLEWVSGISWRGDIIGYVDSVKGRFTISRDNKNSLYLQINSIRAEDTALYYCAKSYGSGSFYNADFSWGQGTILVTVSS

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mAb11-1266_FIX_VL
mAb11-1268_FIX_VL
mAb11-1273_FIX_VL
mAb11-1275_FIX_VL
mAb11-1276_FIX_VL
mAb11-1278_FIX_VL
mAb11-1279_FIX_VL
mAb11-1282_FIX_VL
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mAb11-1204_FIX_VL
mAb11-1495_FIX_VL
mAb11-1501_FIX_VL
mAb11-1502_FIX_VL
mAb11-1499_FIX_VL

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DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA¹WYQOKPGKAPKFLIYKASRLDKGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA²WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
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DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA⁵WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA⁶WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA⁷WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA⁸WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA⁹WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA¹⁰WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA¹¹WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
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DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA¹³WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
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DIQMTQSPSTLSASVGDRAVTITCRASQISISWLA¹⁸WYQOKPGKAPKFLIYKASRLDRGTSPRSFGSGSGTEFSLTISLQPDDEFATVYCYLEYSSYIRTFGGQTKVEIK
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mab11-1444	FX	VH
mab11-1445	FX	VH
mab11-1446	FX	VH
mab11-1447	FX	VH
mab11-1448	FX	VH
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mab11-1488	FX	VH
mab11-1489	FX	VH
mab11-1490	FX	VH
mab11-1491	FX	VH
mab11-1492	FX	VH

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mAb11-1492 EX VH

mAb11-1493_FX_VH EVQLVQSGAEVKKPKGKESLRISCKGSGYSFSTSWIVVWRQMPGKGLEWNGMIDPDSYTSYSPSFQGHVTISADKSIPTAYLQWSSLKASDTAMYCAR**LHYNSEEFDV**WGQGTLLVTVSS
mAb11-1494_FX_VH EVQLVQSGAEVKKPKGKESLRISCKGSGYSFSTSWIVVWRQMPGKGLEWNGMIDPDSYTSYSPSFQGHVTISADKSIPTAYLQWSSLKASDTAMYCARLHYN**SEEF**DVWGQGTLLVTVSS

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mdb11-1444 FX VL
mdb11-1445 FX VL
mdb11-1446 FX VL
mdb11-1447 FX VL
mdb11-1448 FX VL
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mdb11-1492 FX VL

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mAb11-1492 EX VL

mAb11-1493_FX_VL EIVLTQSPGTLSLSPGERATLSC**RASQSVSSVLA**WYQQKPGQAPRLLIY**QSSRTR**GIEDRFGSGSGTDFLTITISALEPEDFAVY**QQFCDDQLFT**FGGQTKLEIK
mAb11-1494_FX_VL EIVLTQSPGTLSLSPGERATLSCRASQSVSSVLAWYQQKPGQAPRLLIYQSSRTRGIPDRFGSGSGTDFLTITISALEPEDFAVY**QQFGDQQLFT**FGGQTKLEIK

FIGURE 2

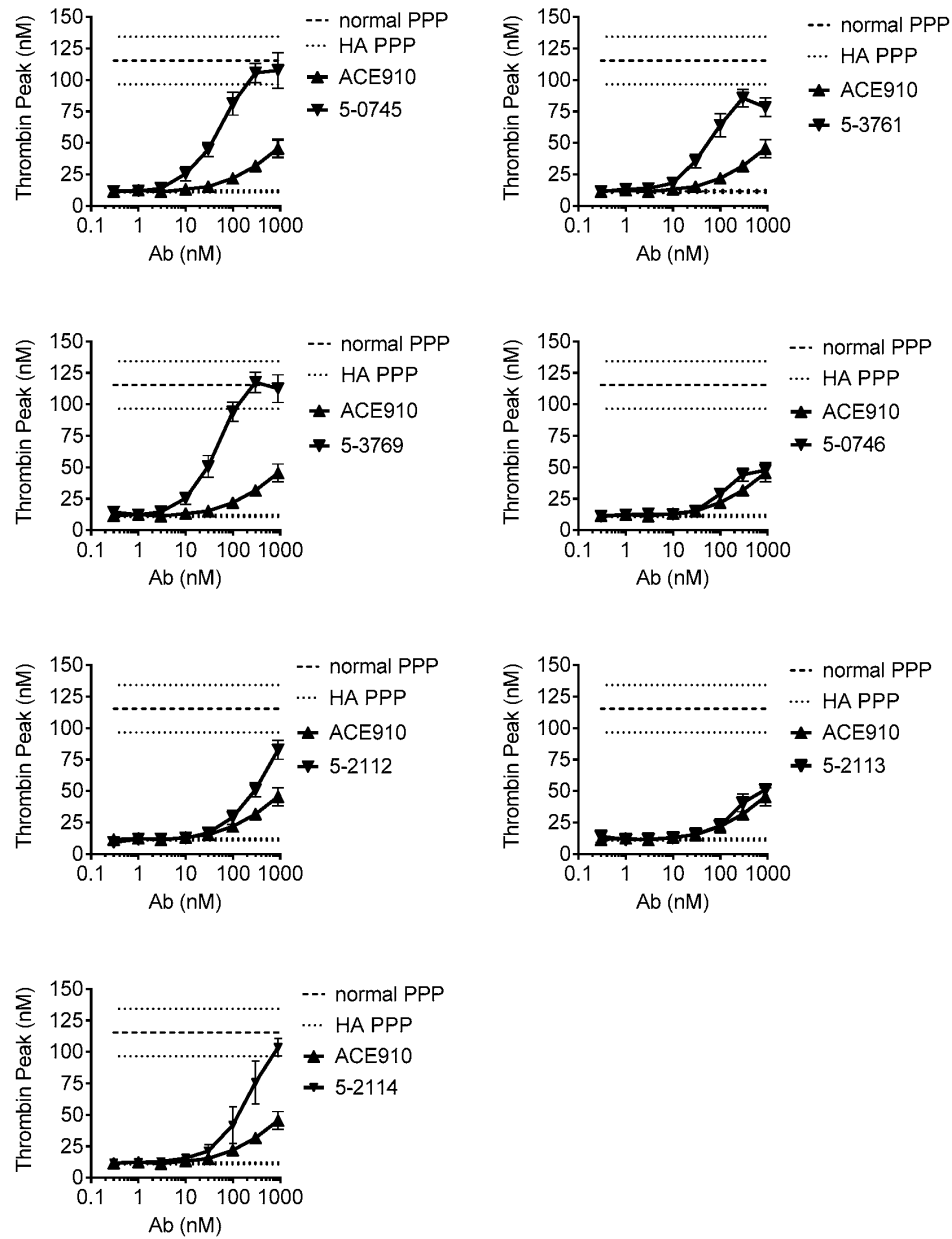


FIGURE 3

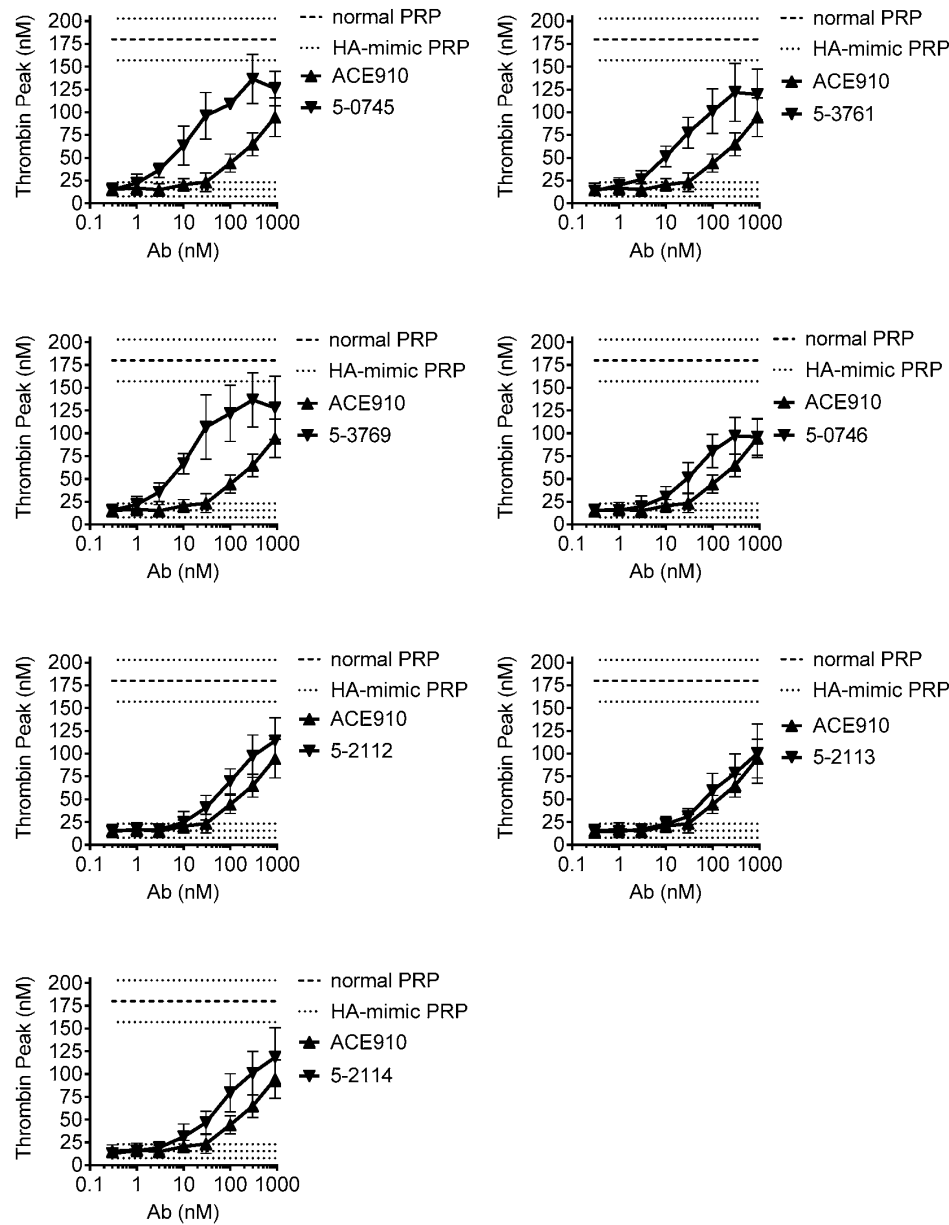


FIGURE 4A (C + D)

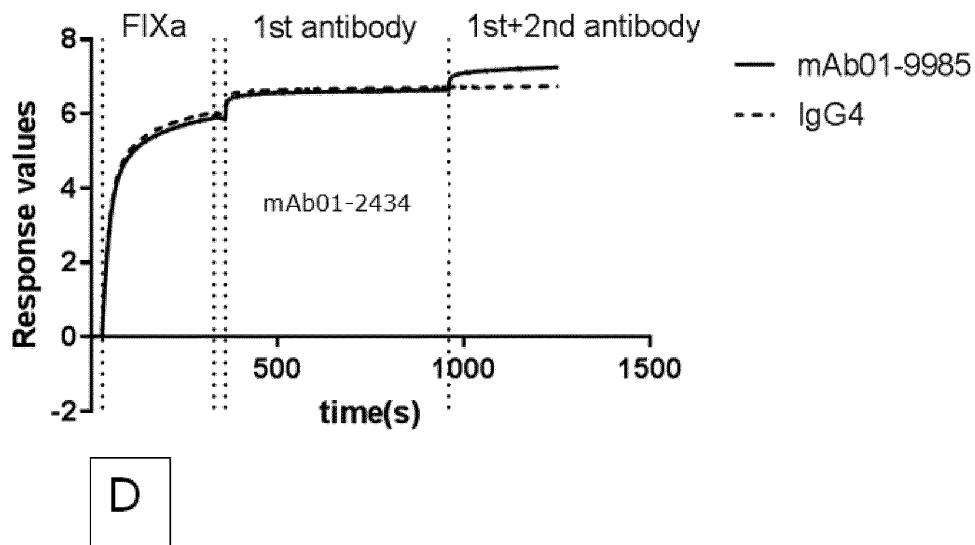
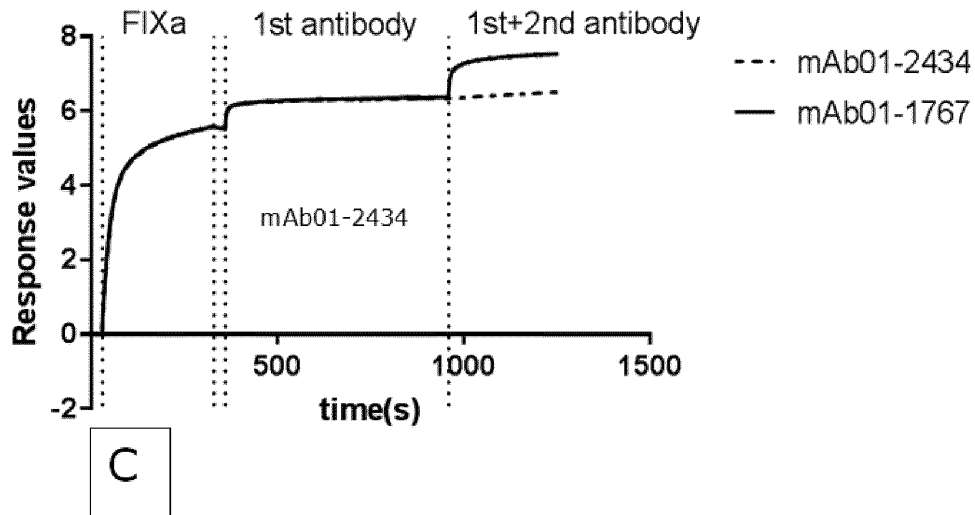


FIGURE 4B (E + F)

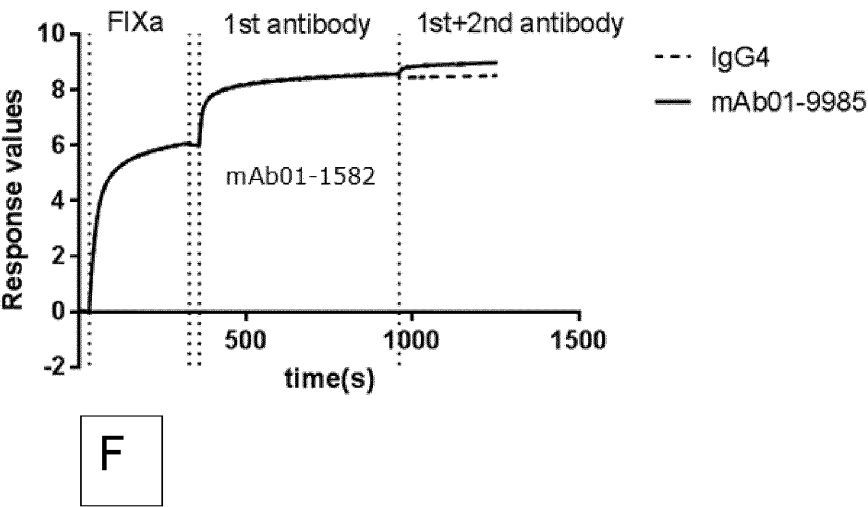
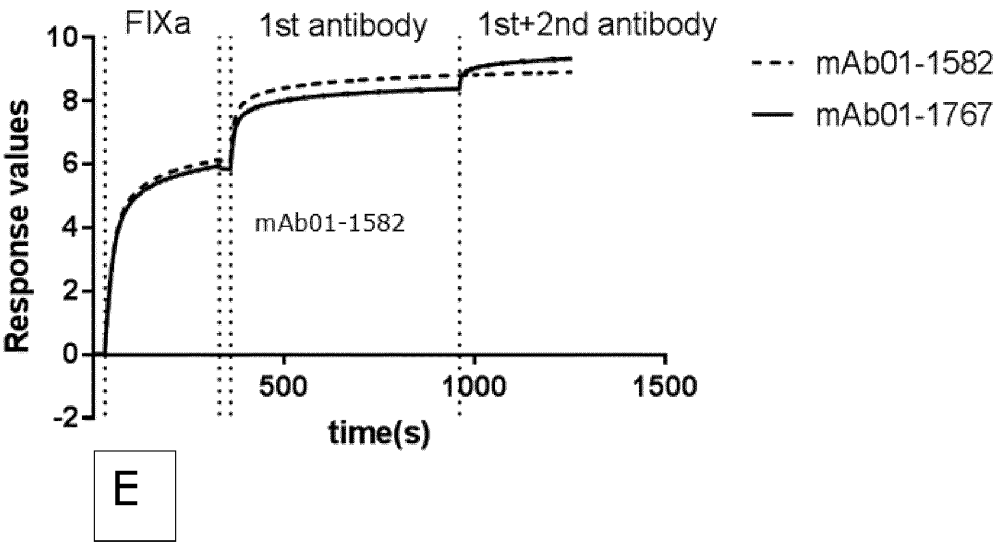


FIGURE 5 (A + B)

