

Figure 1

A

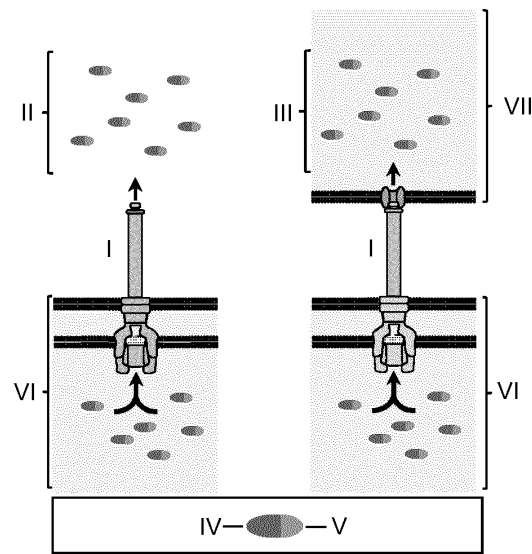
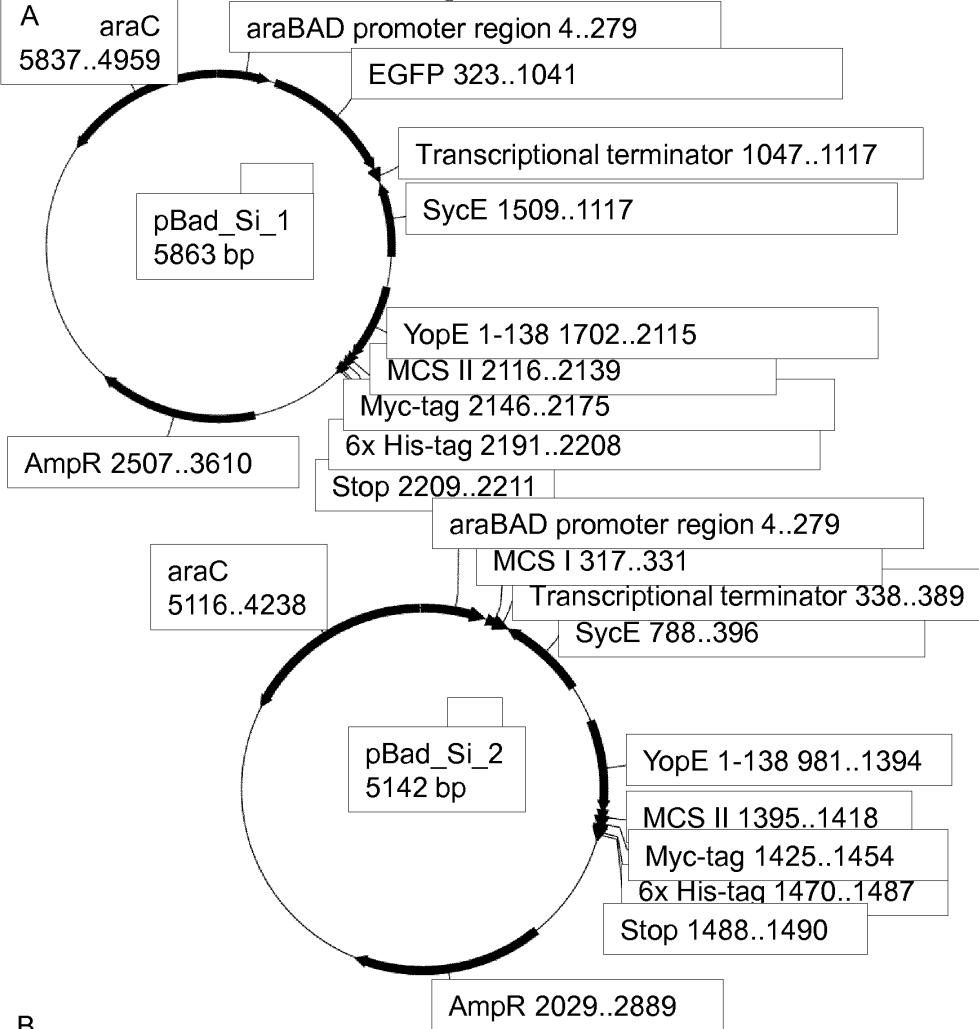


Figure 2



B

YopE1-138 XhoI XbaI BstBI
GTTCGCCACG CTCGAGTCTA GATTCGAA
HindIII myc epitope
AAGCTTGGGC CCGAACAAAA ACTCATCTCA
GAAGAGGATCTGAATAGCGC CGTCGACCAT
6x His - tag ***
CATCATCATC ATCATTGAGT TTAAACGGTC
TCCAGCTTGG CTGTTTTGG C

Figure 4

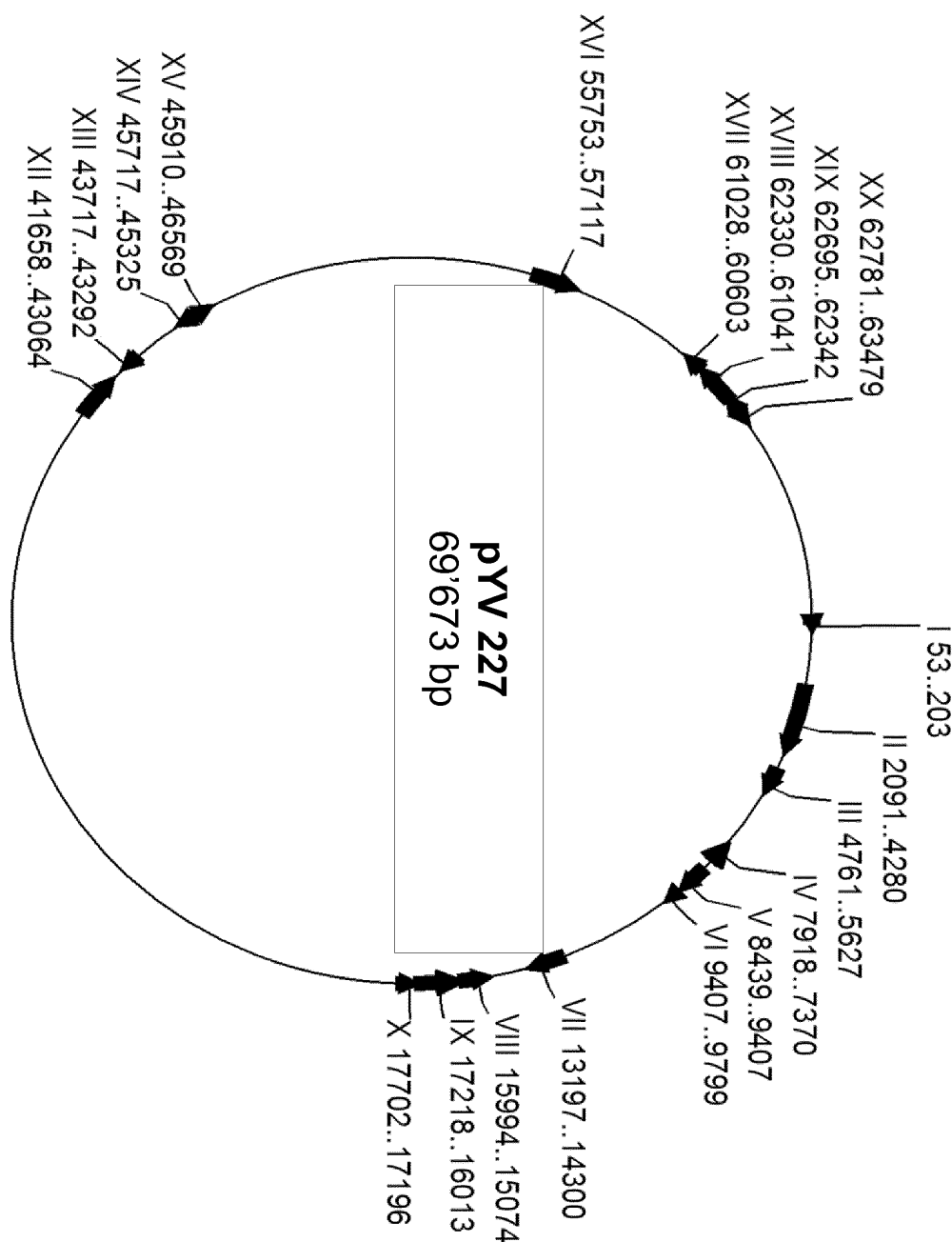


Figure 5

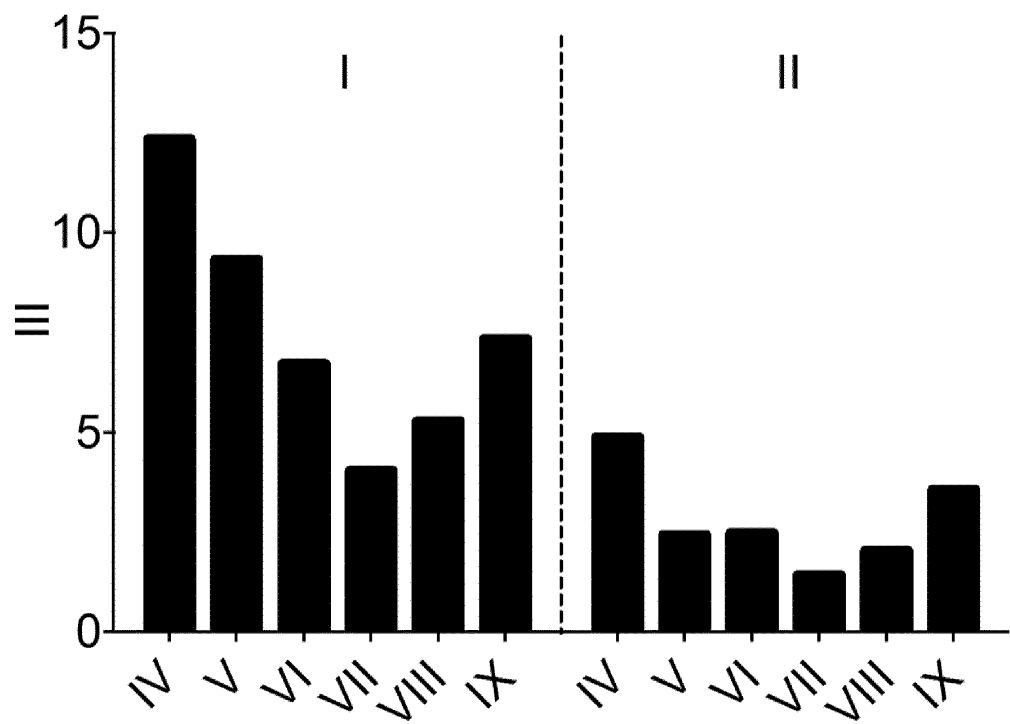


Figure 6

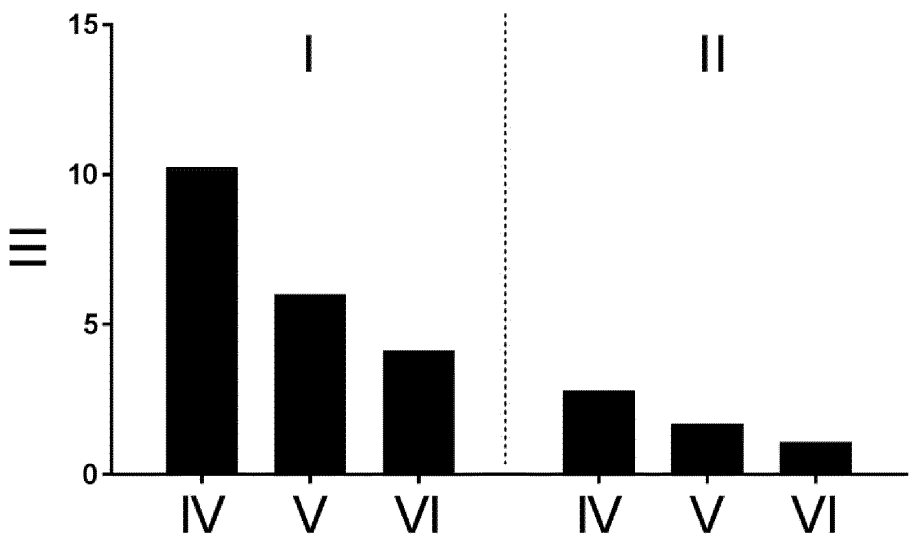


Figure 7

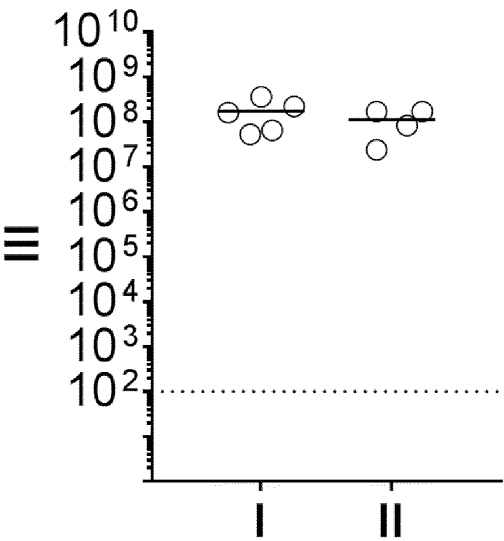


Figure 8

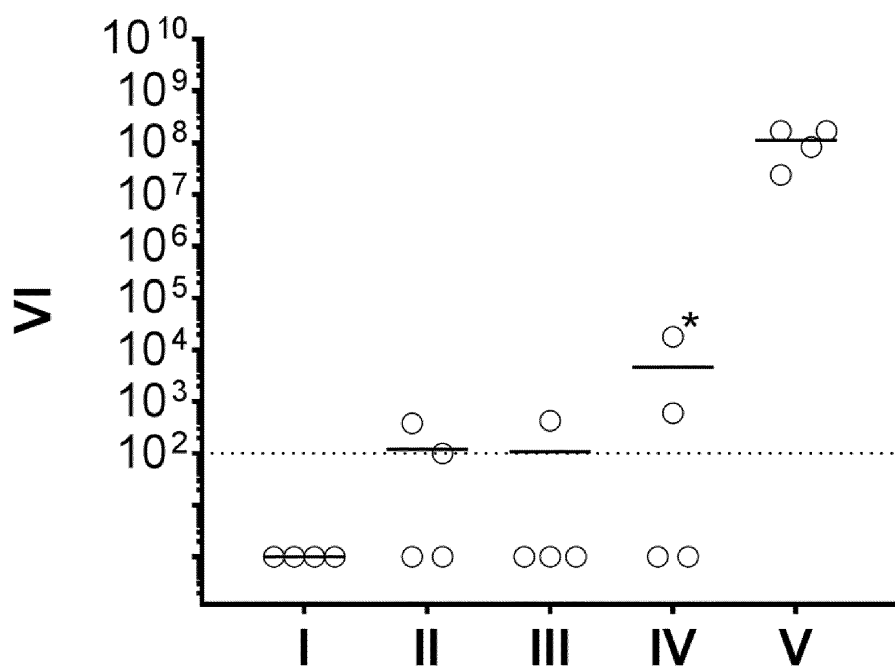


Figure 9

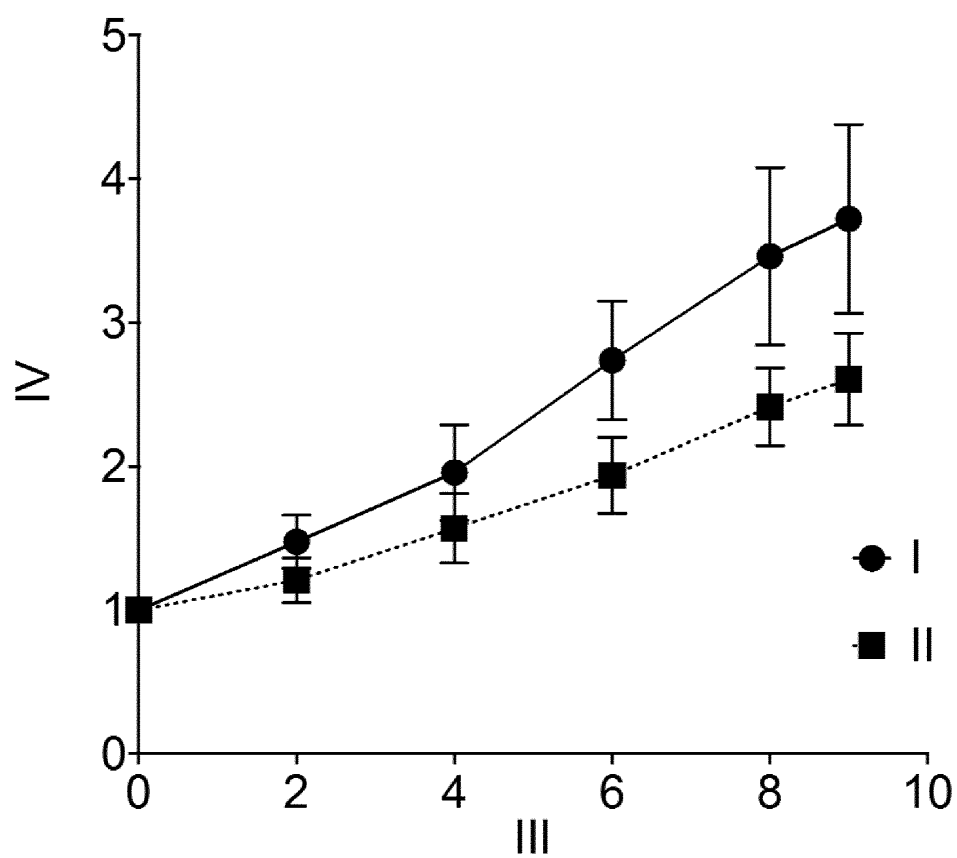


Figure 10

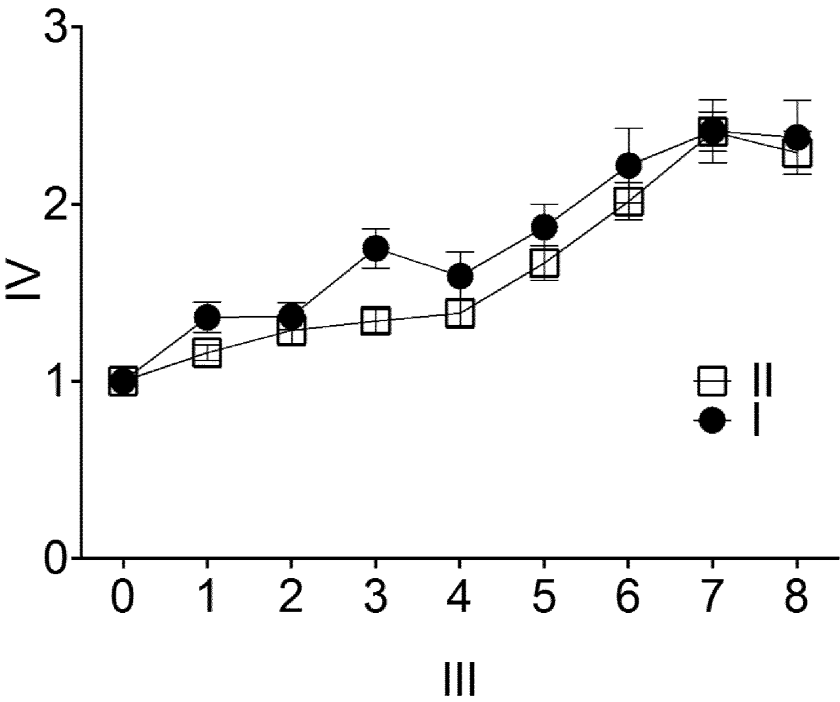
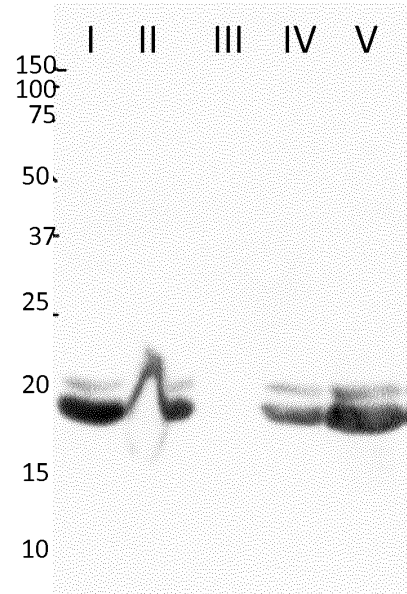


Figure 11

A



B

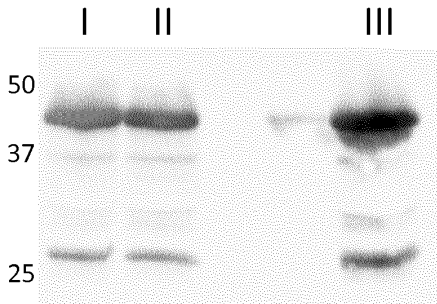


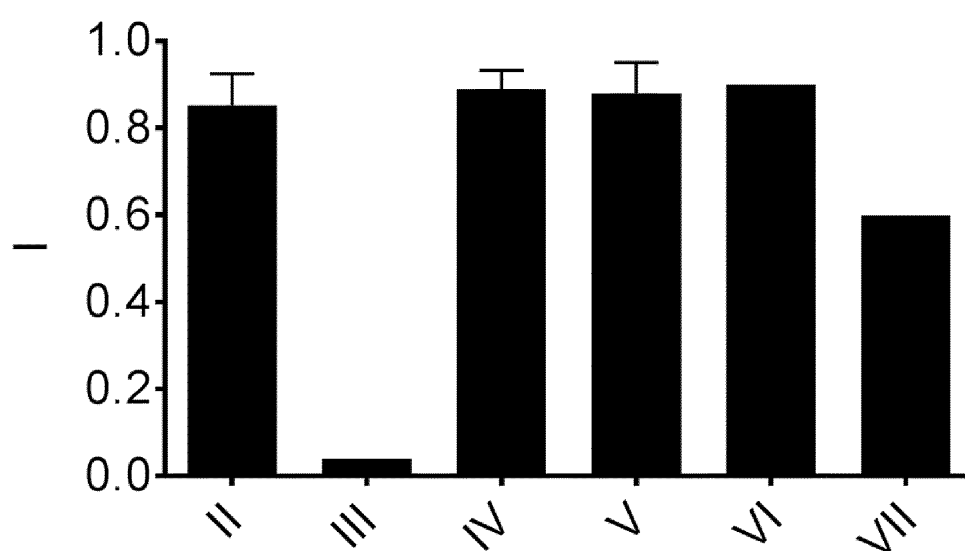
Figure 12

Figure 13

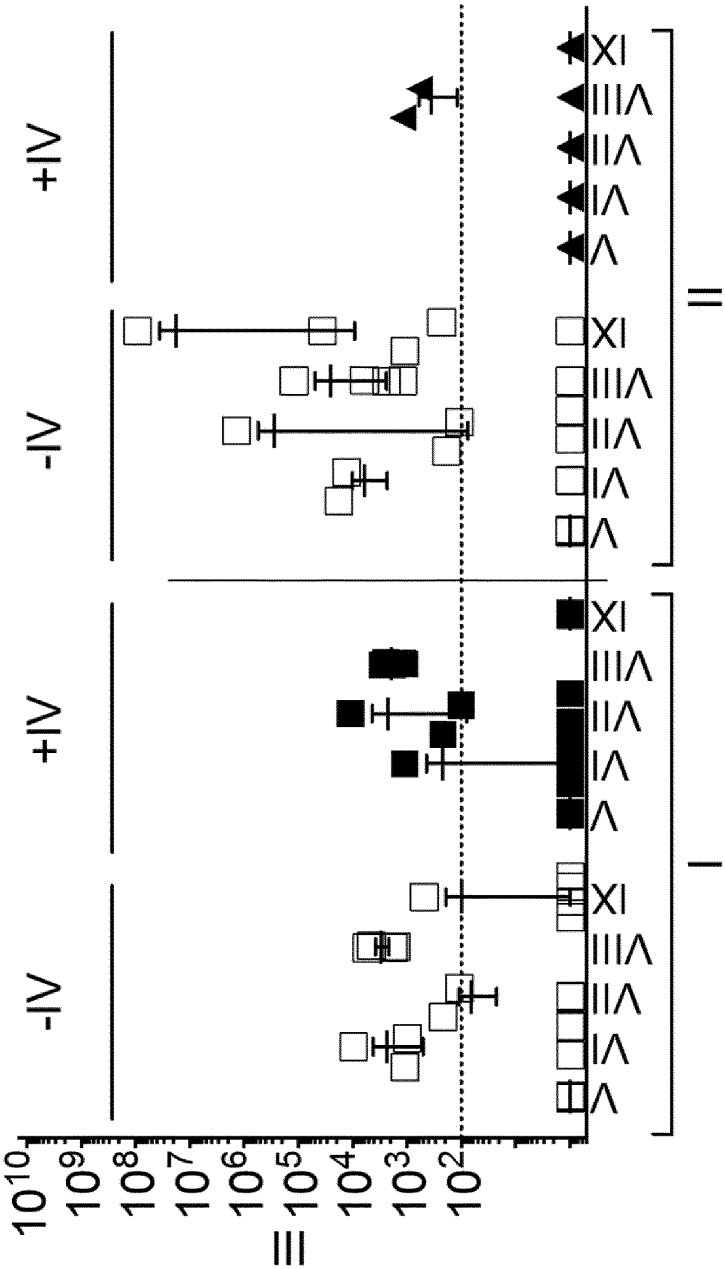


Figure 14

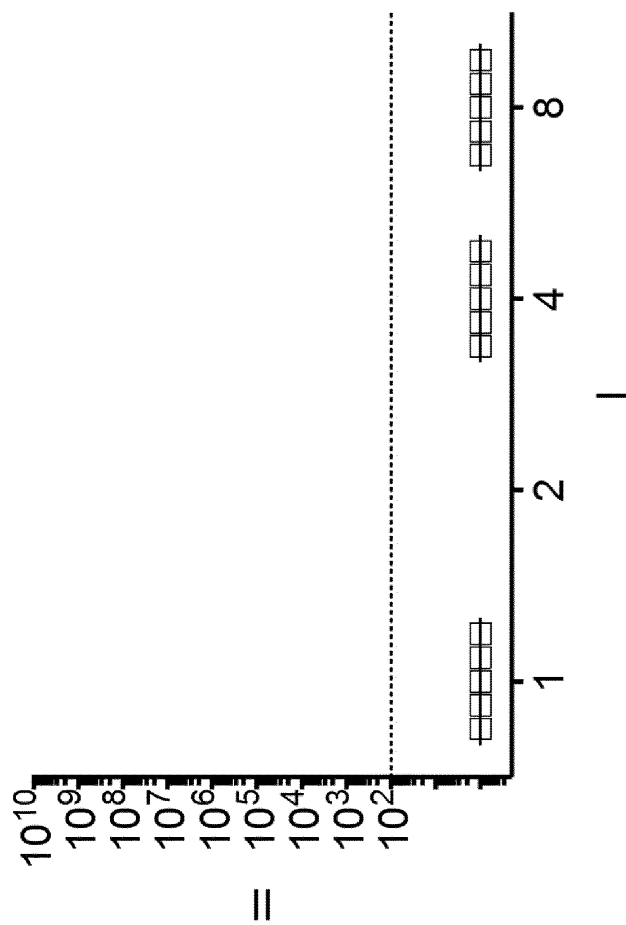


Figure 15

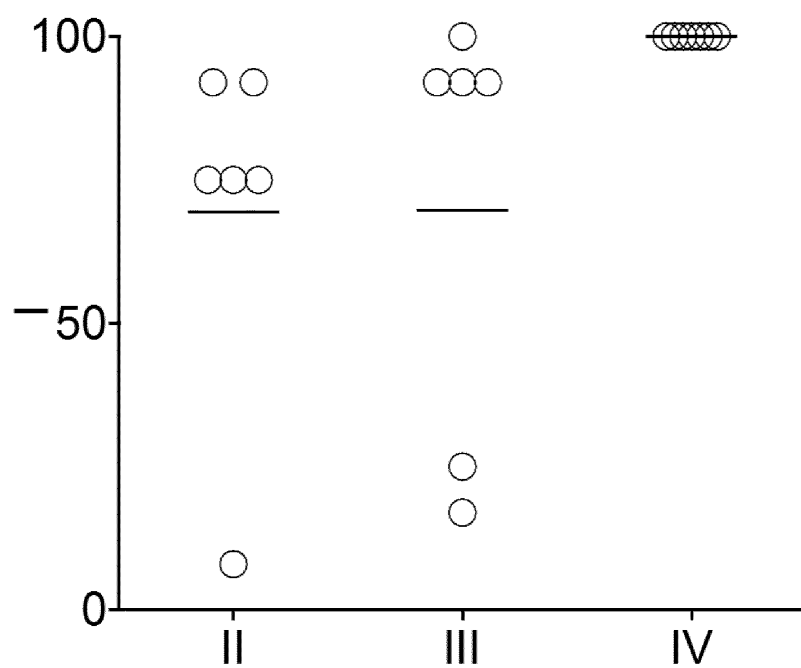


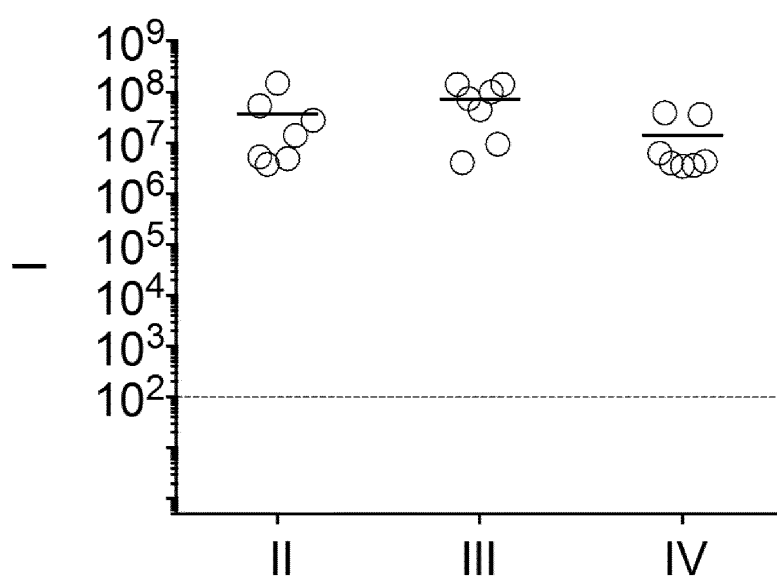
Figure 16

Figure 17

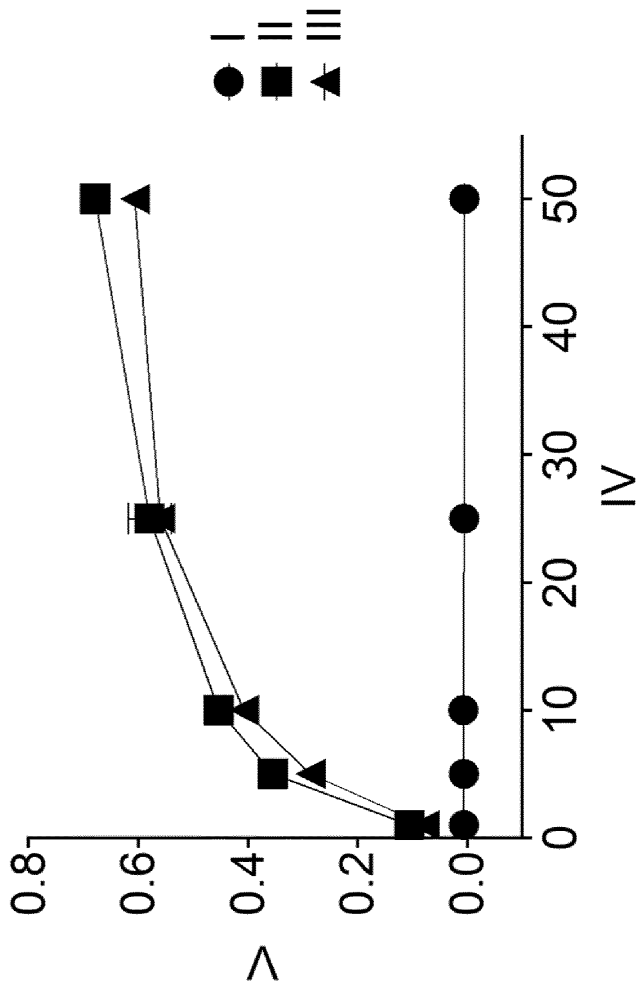


Figure 18

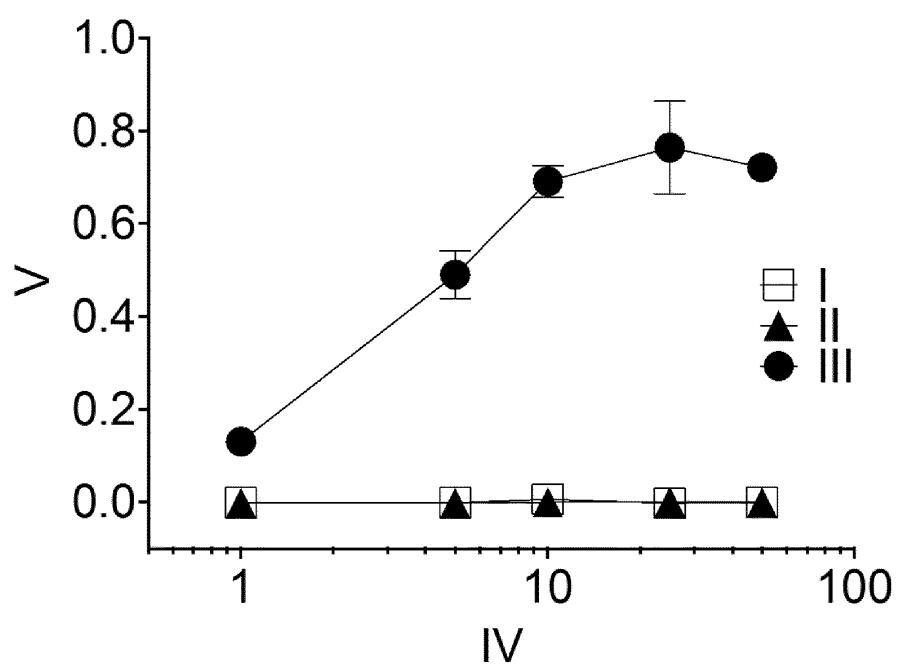


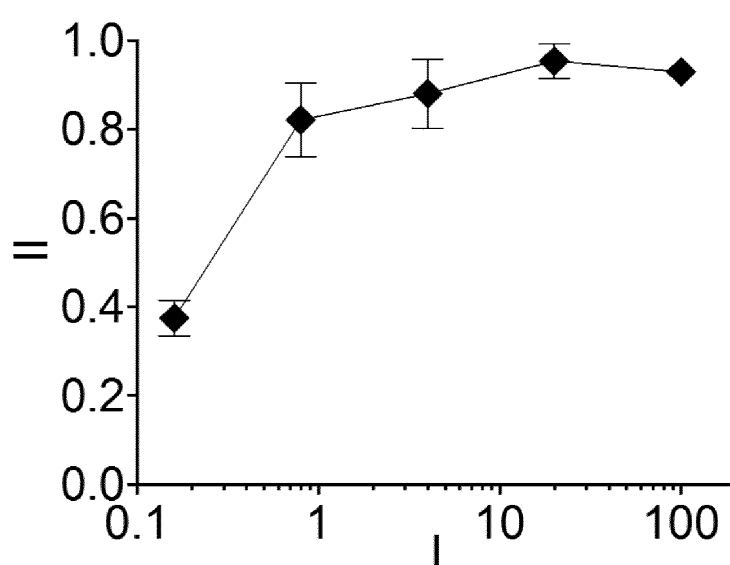
Figure 19

Figure 20

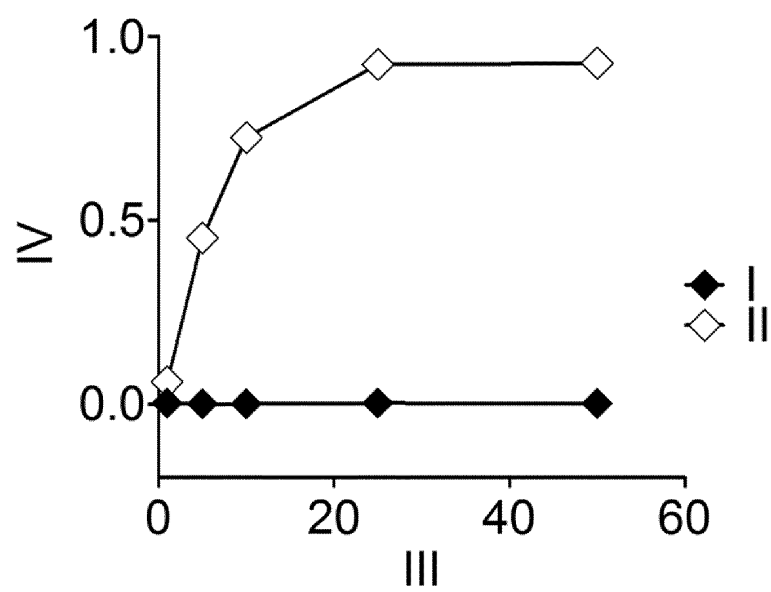


Figure 21

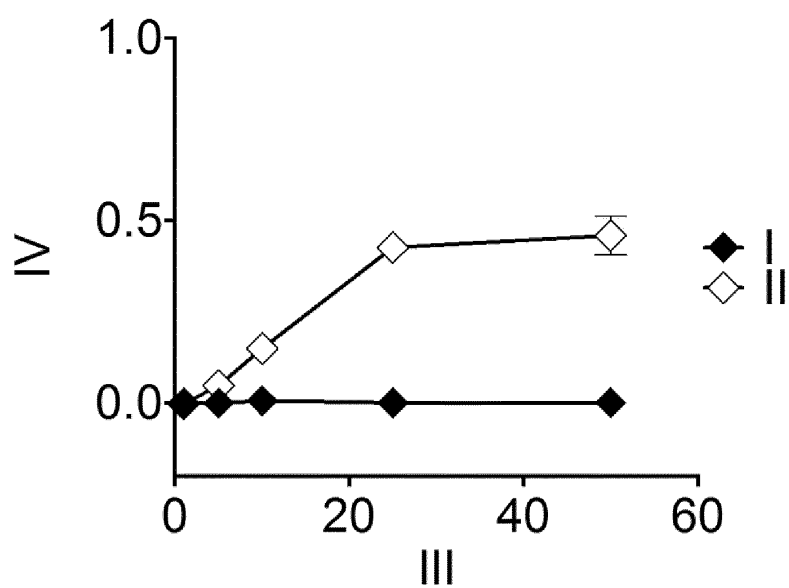


Figure 22

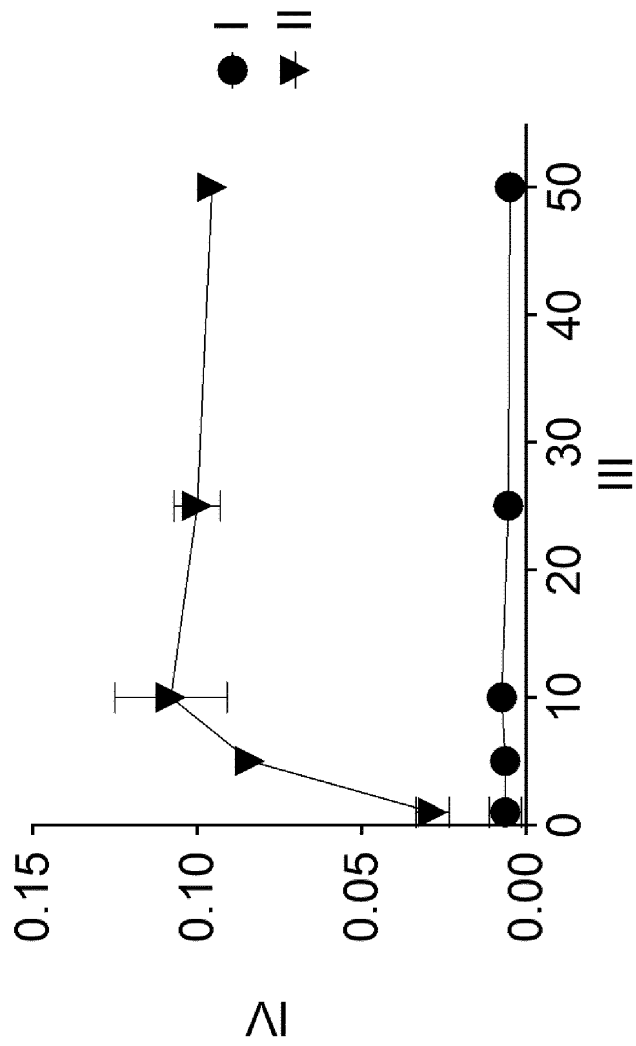


Figure 23

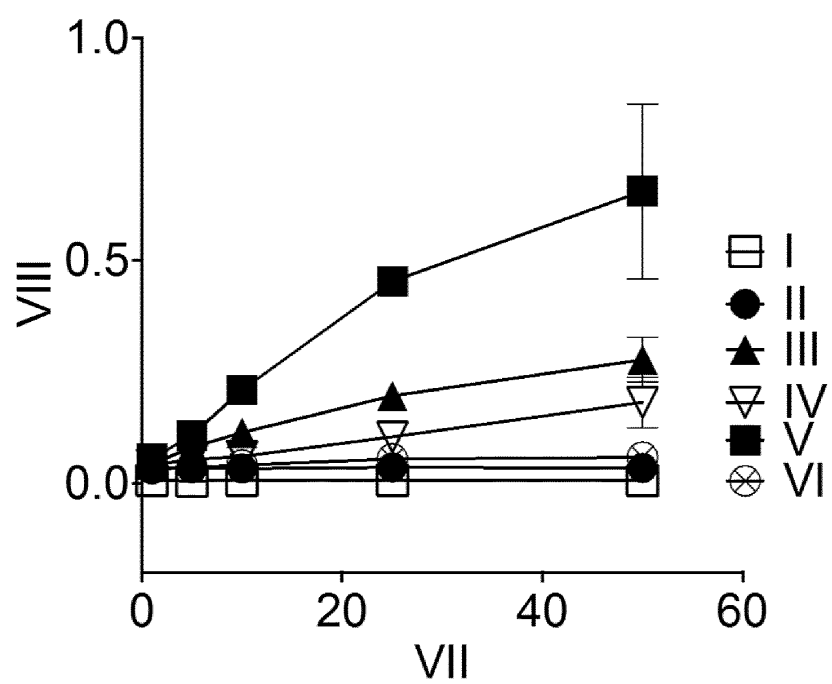


Figure 24

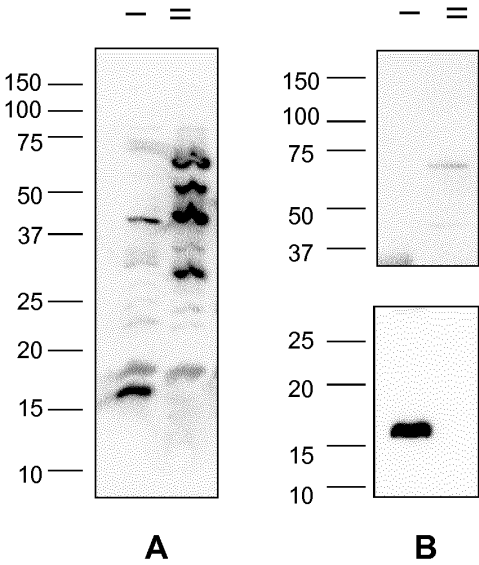


Figure 25

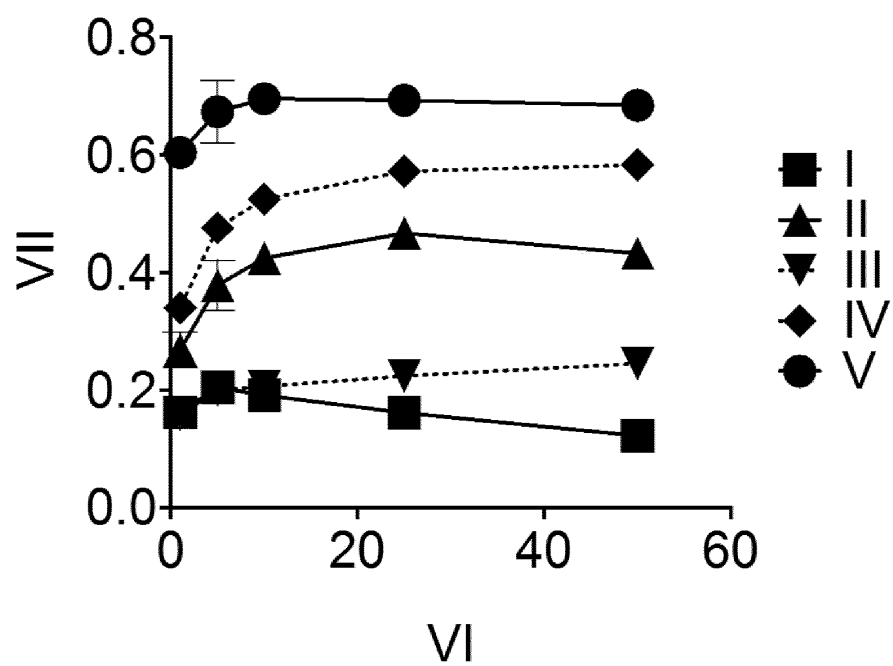


Figure 27

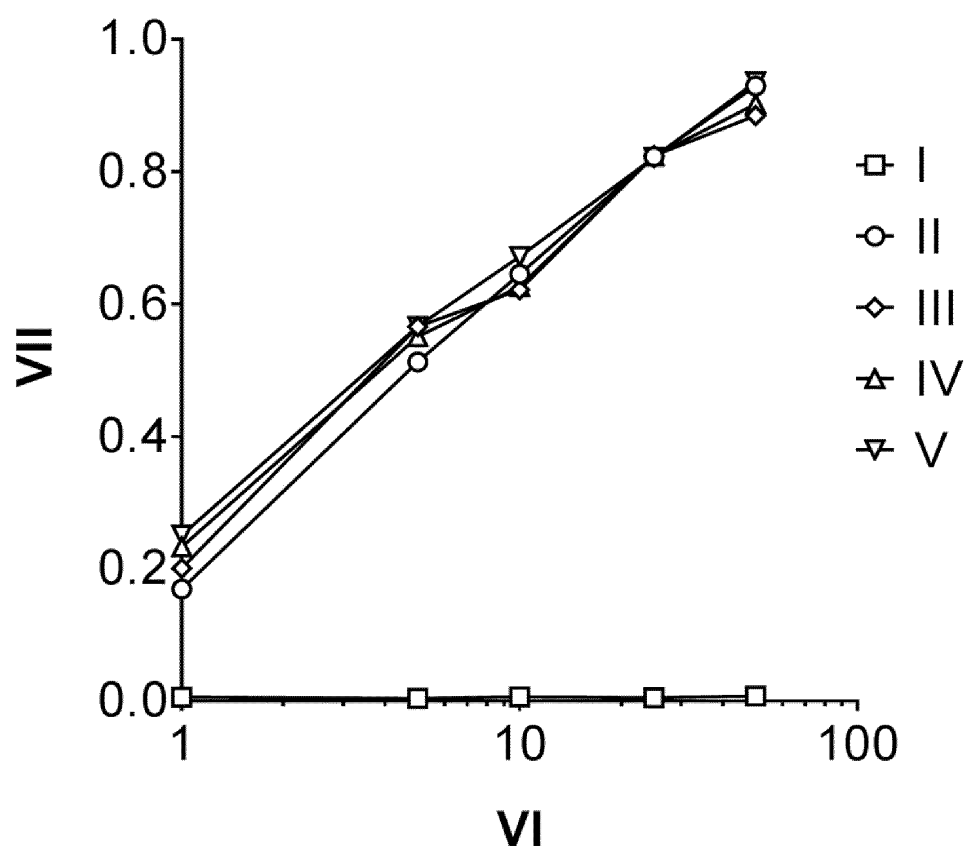


Figure 28

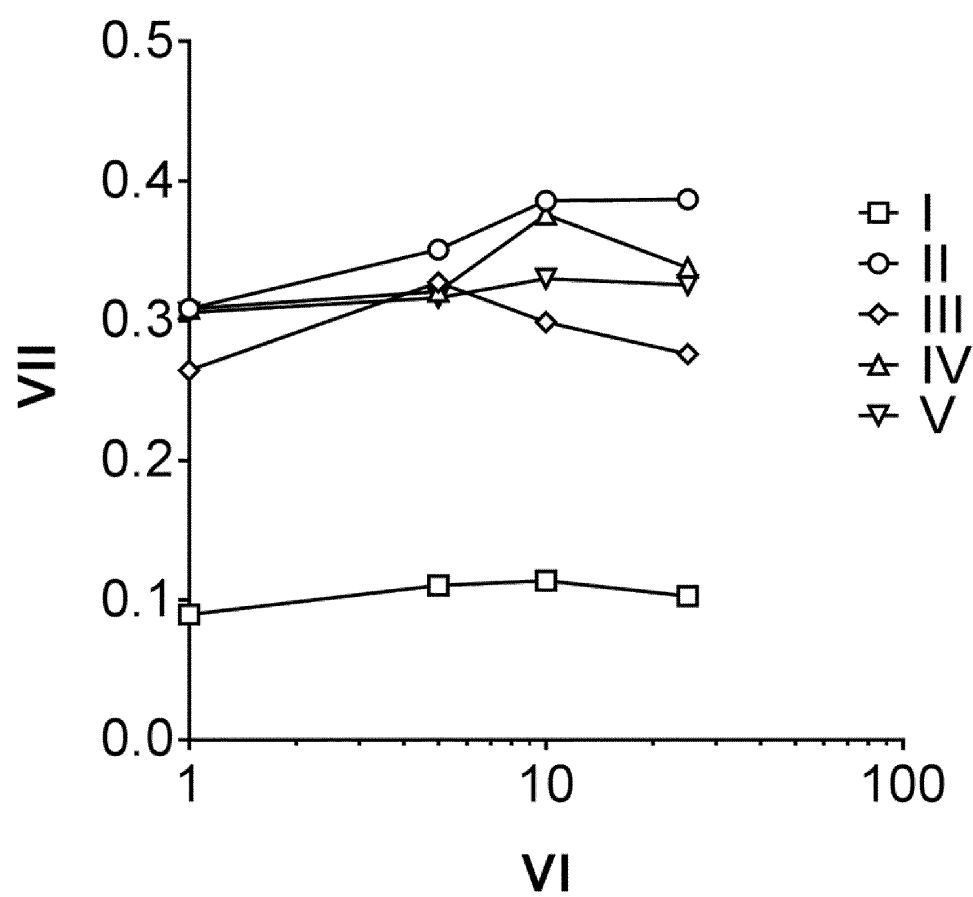


Figure 29

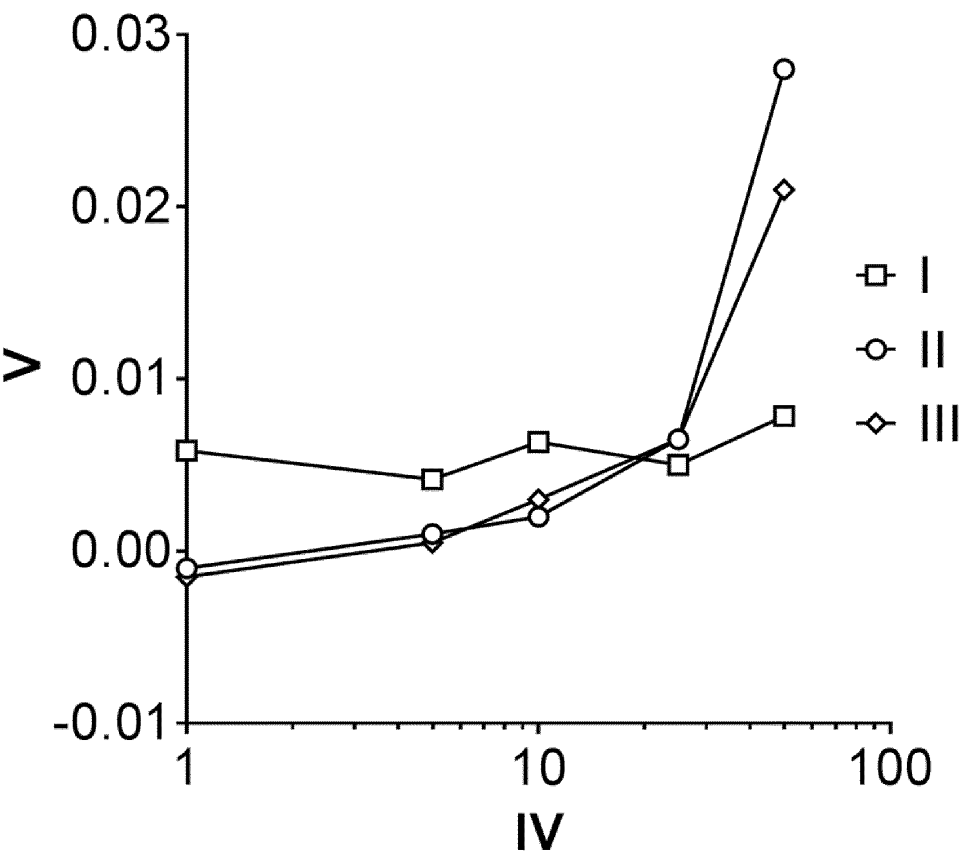


Figure 30

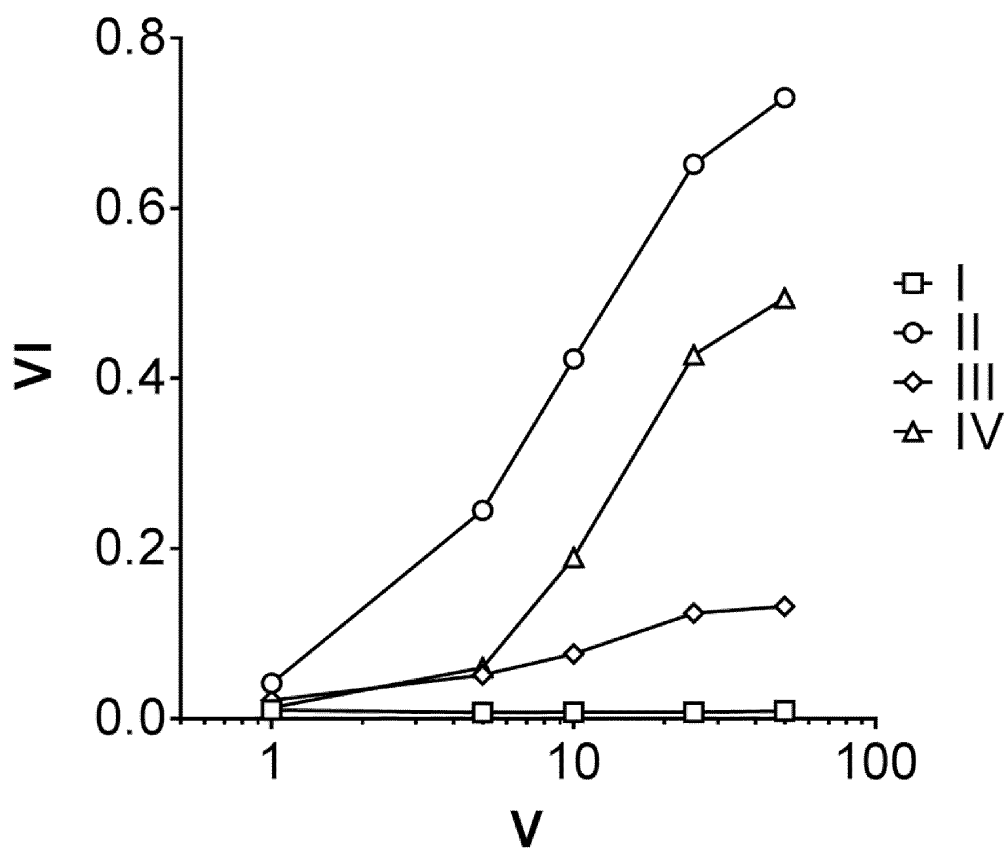


Figure 31

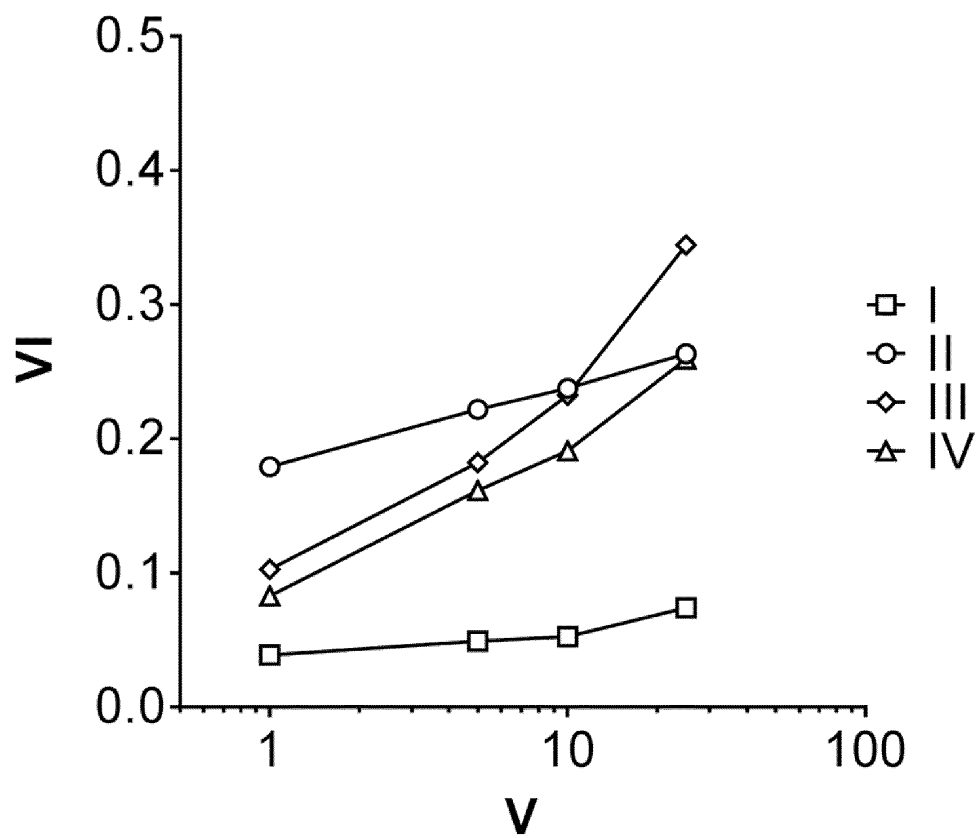


Figure 32

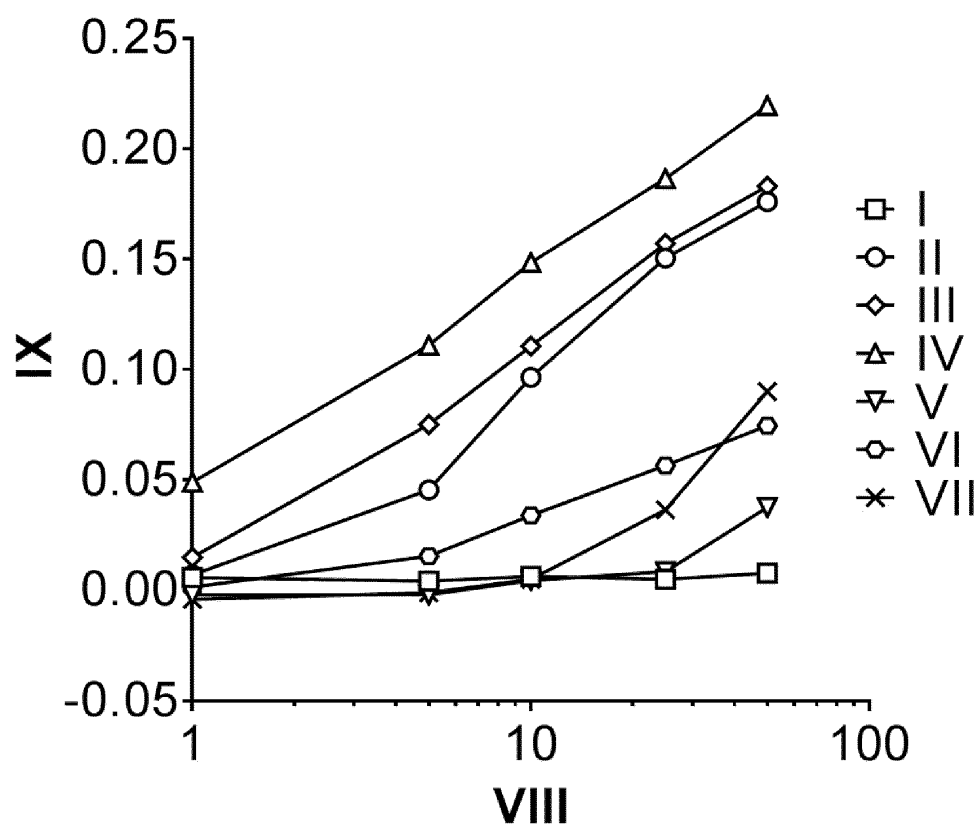


Figure 33

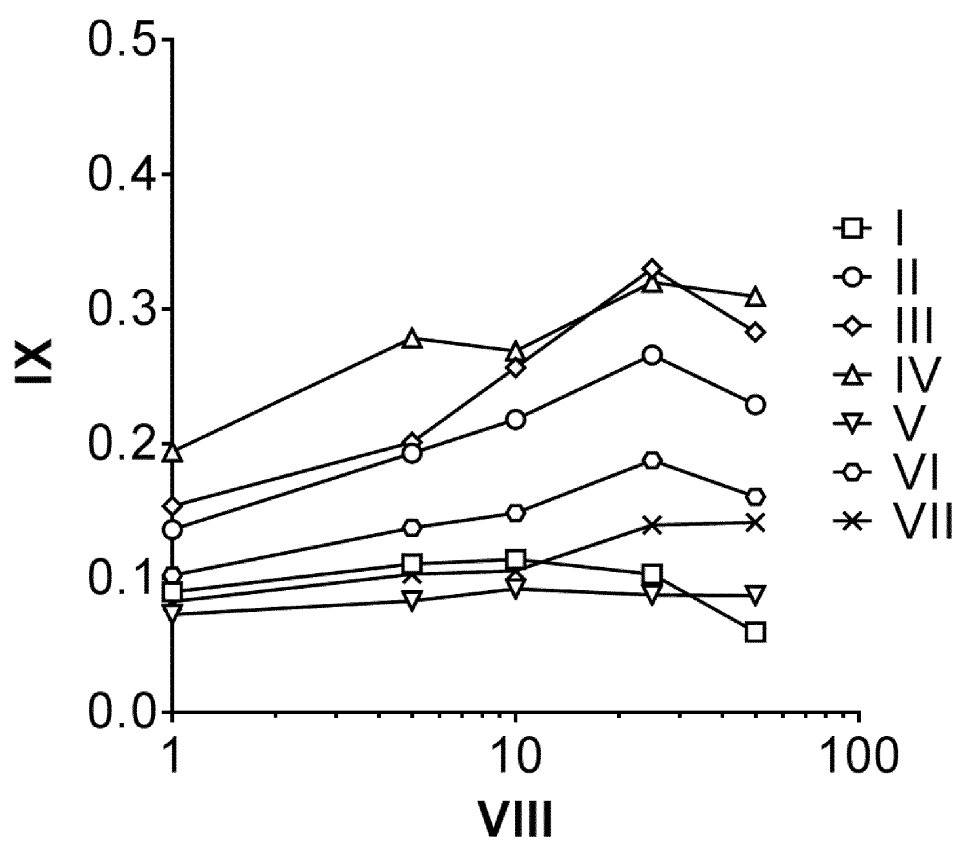


Figure 34

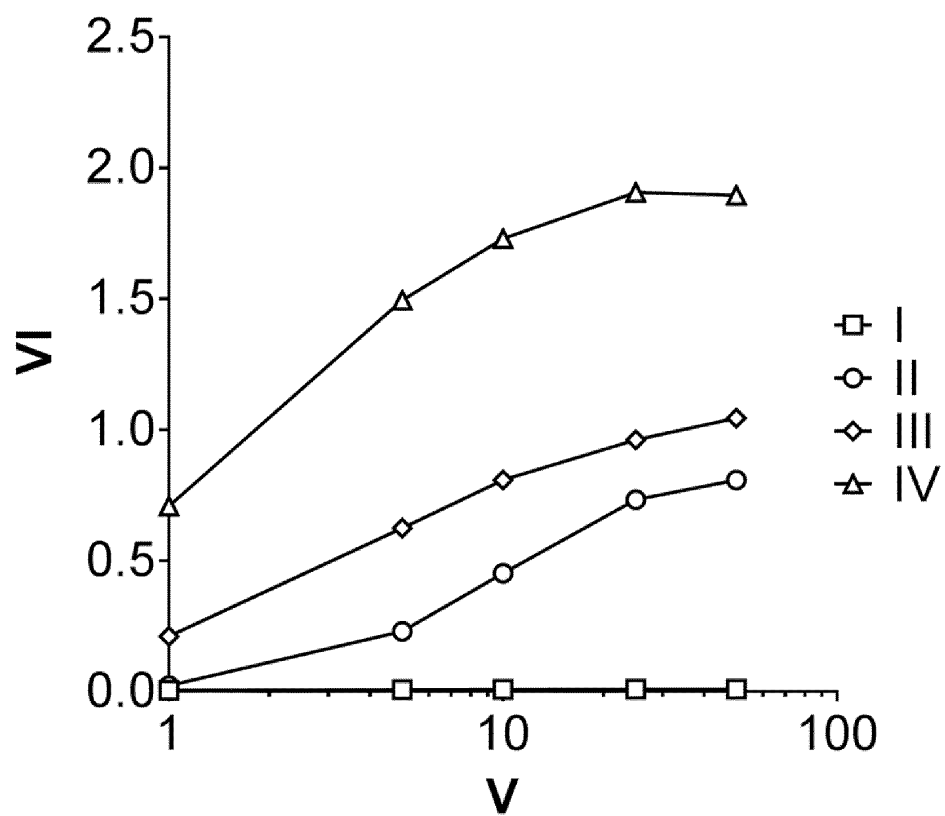


Figure 35

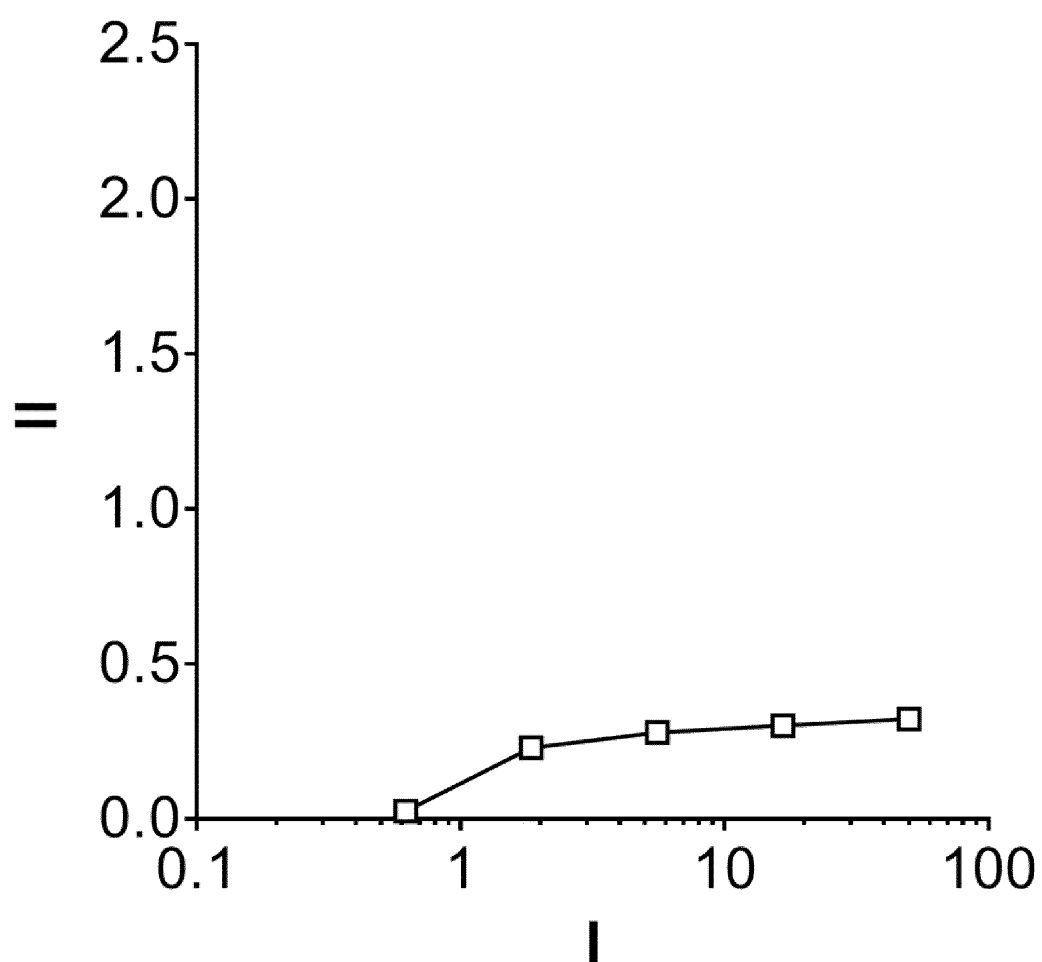


Figure 36

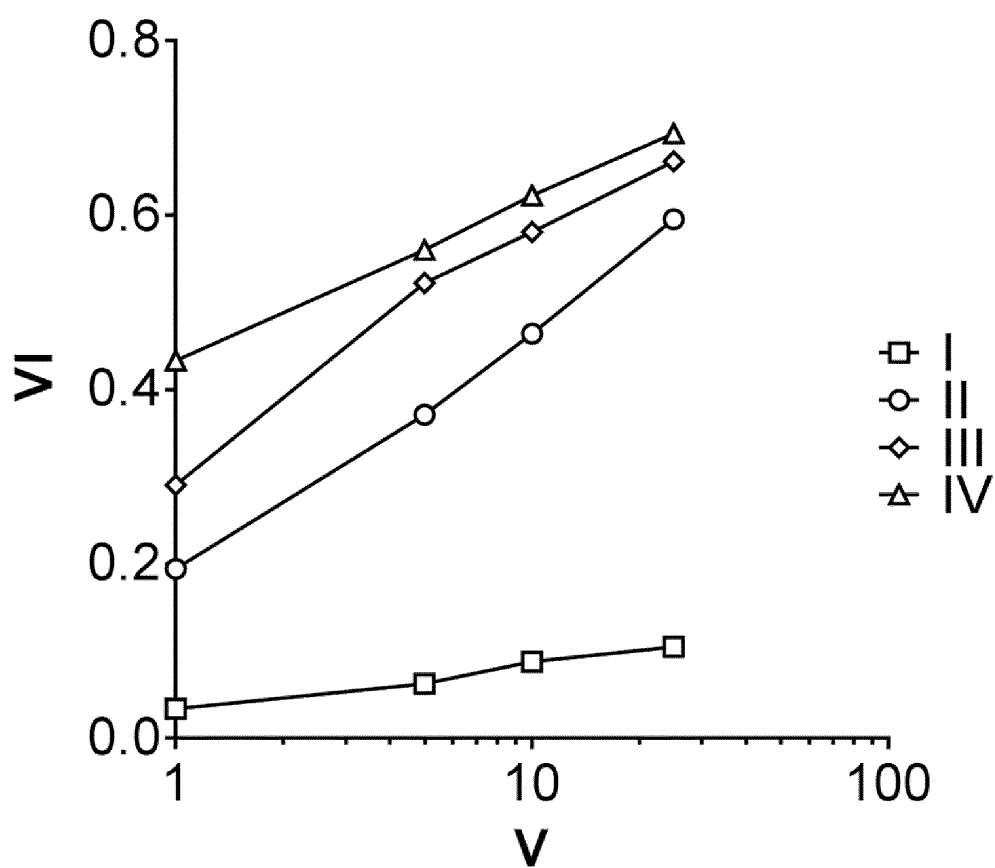


Figure 37

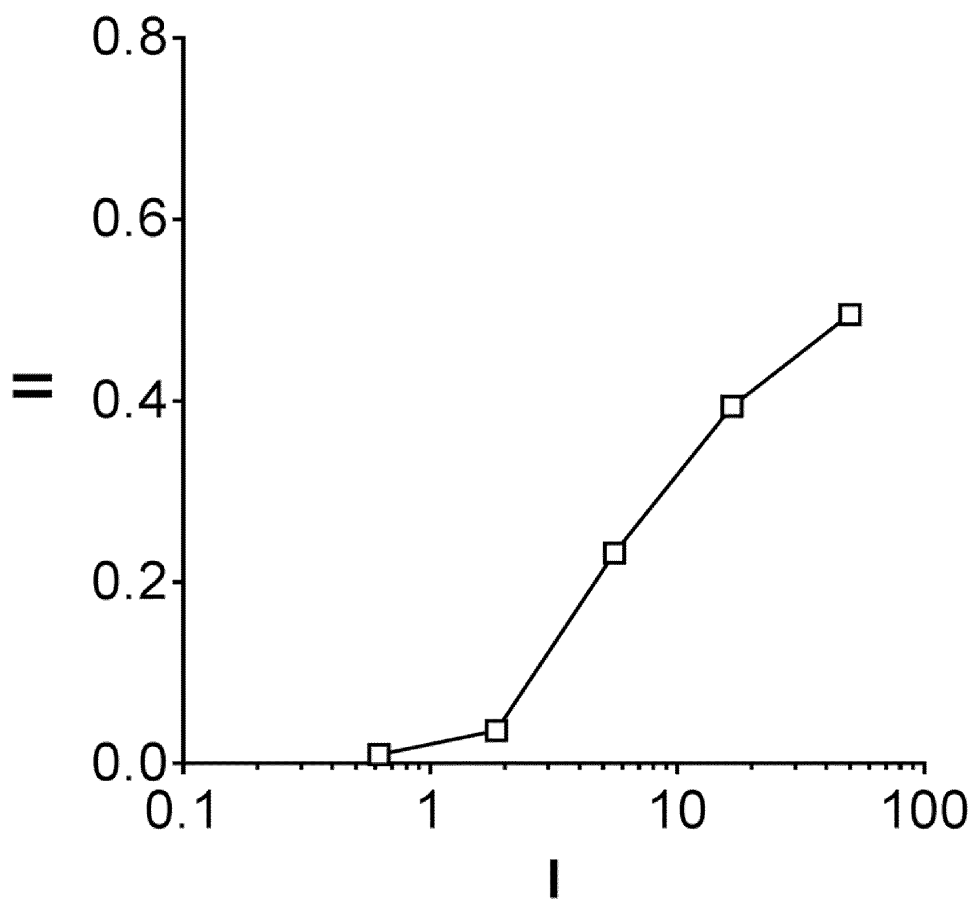


Figure 38

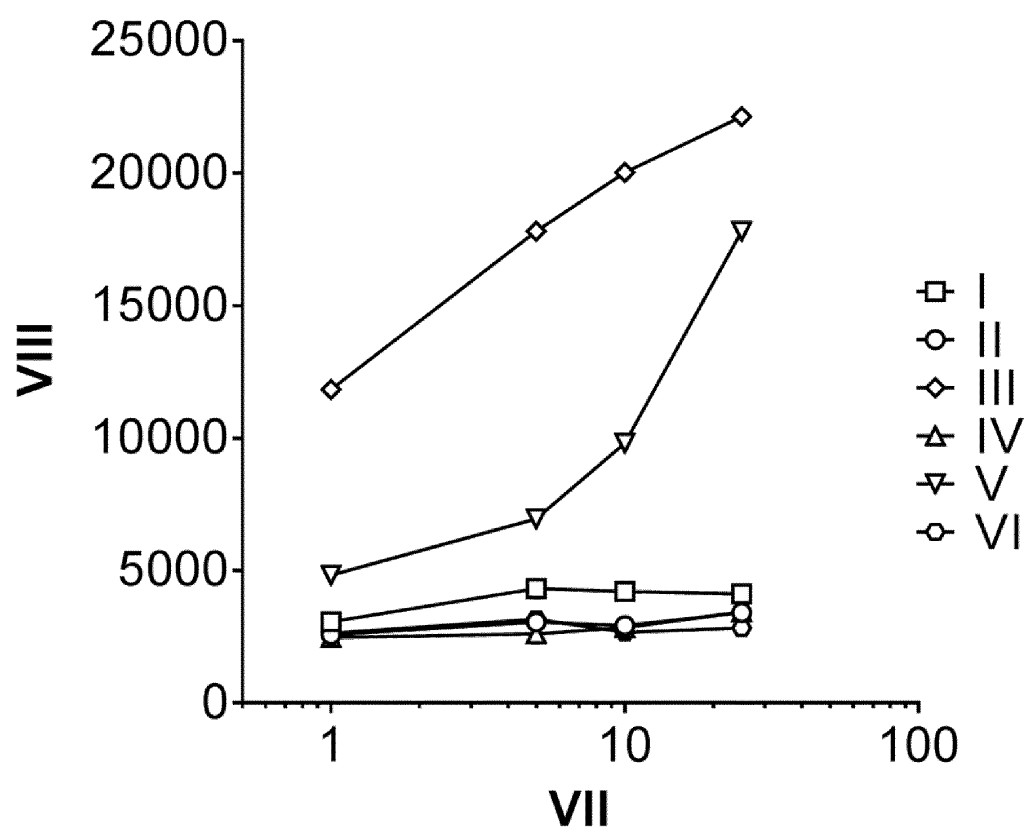


Figure 39

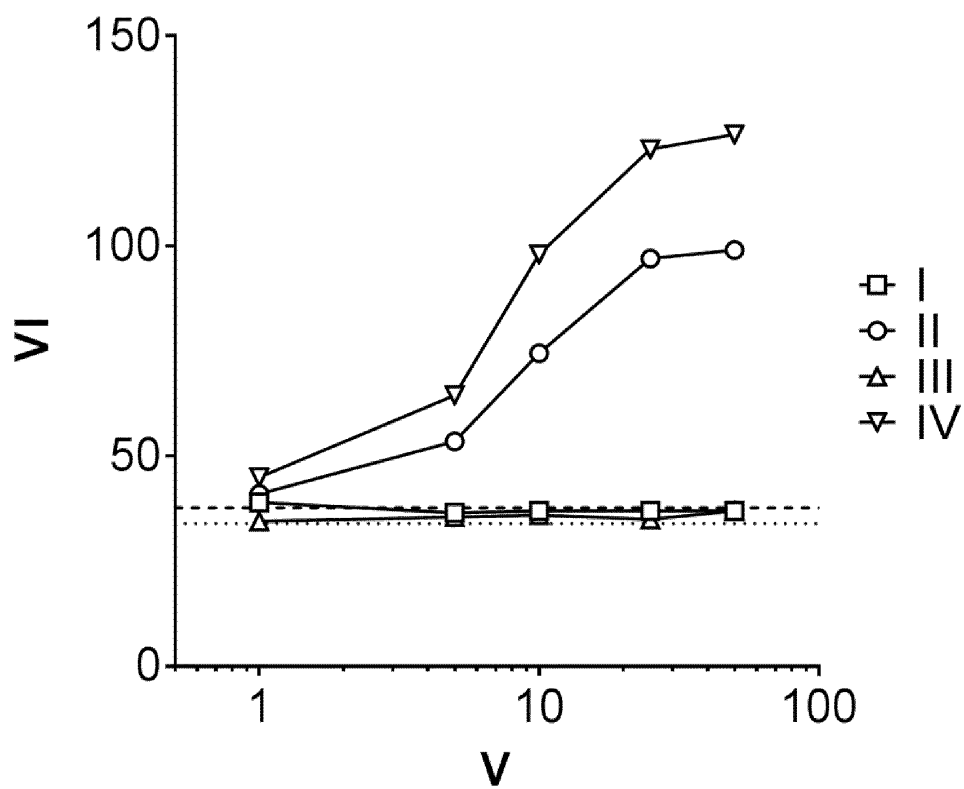


Figure 40

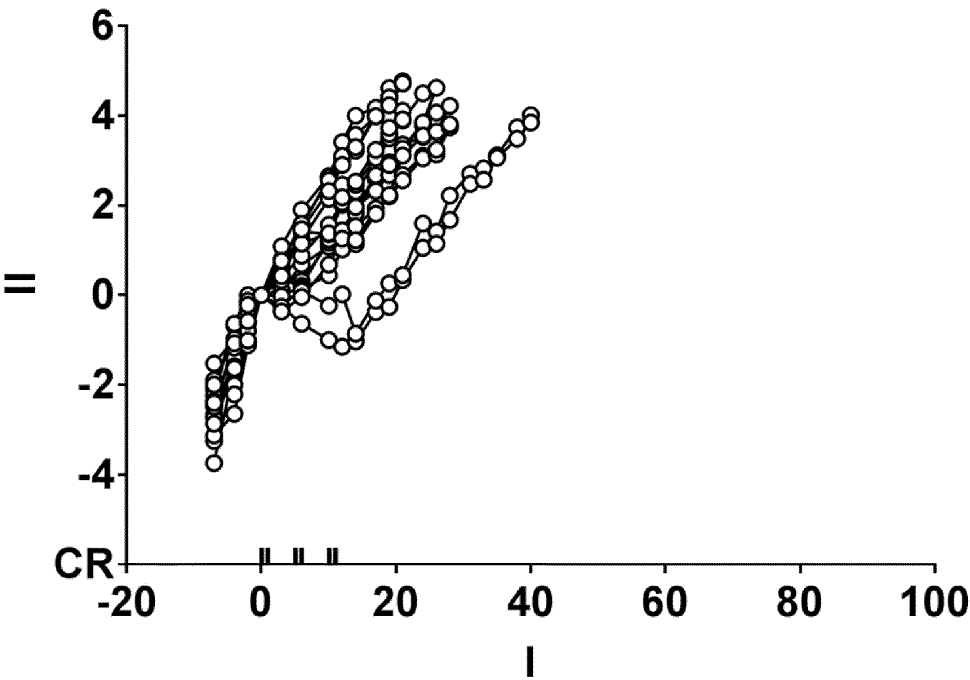


Figure 41

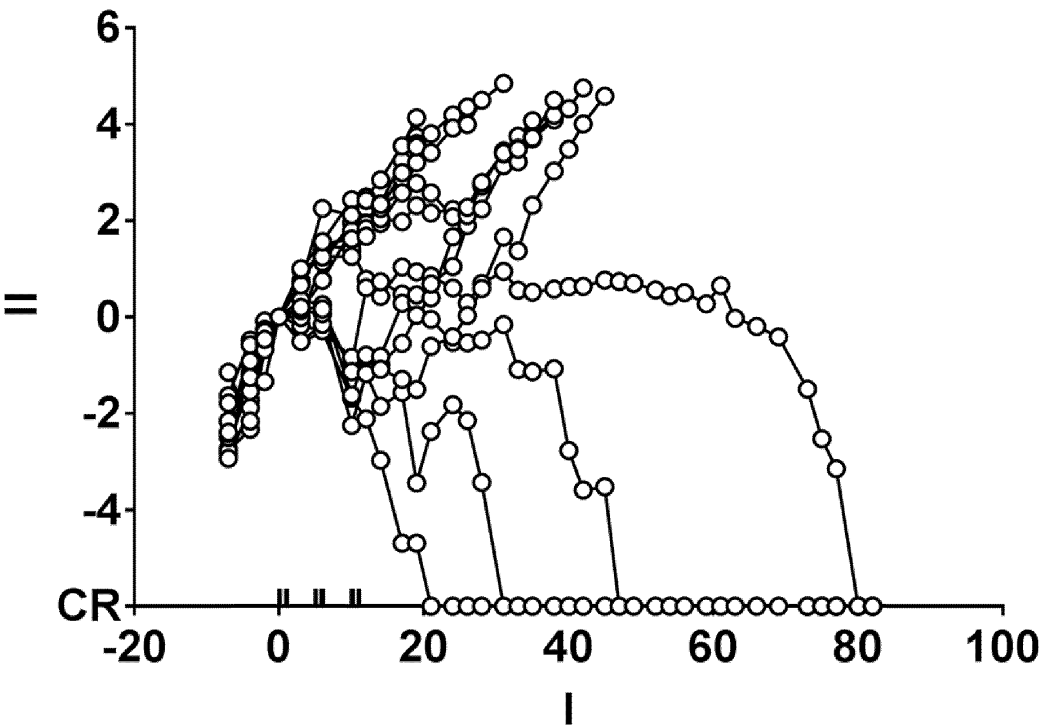


Figure 42

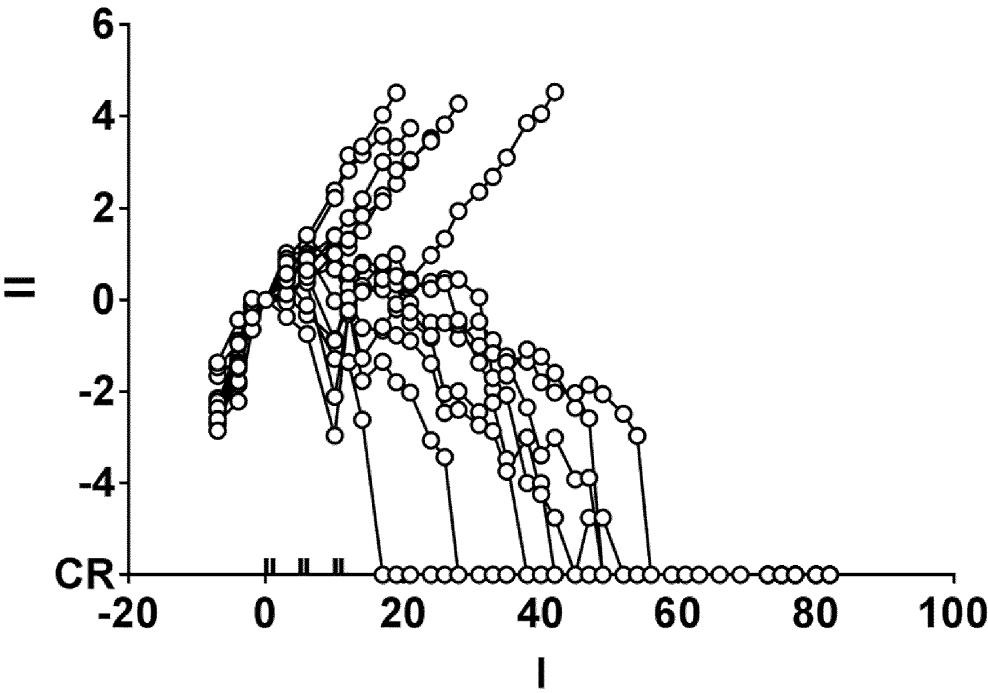


Figure 43

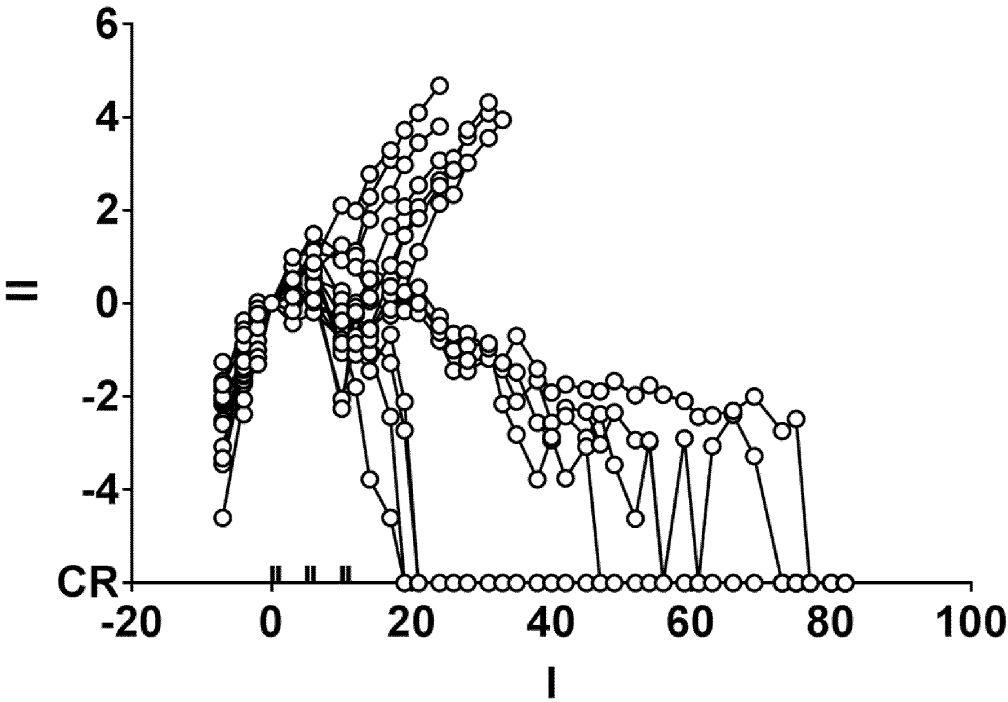


Figure 44

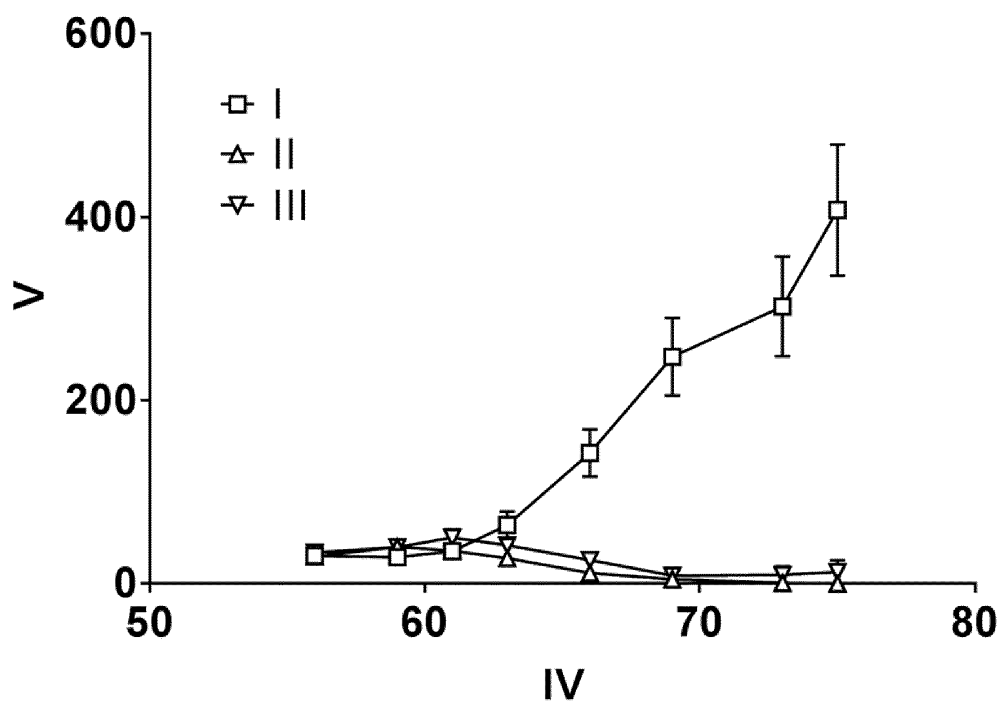


Figure 45

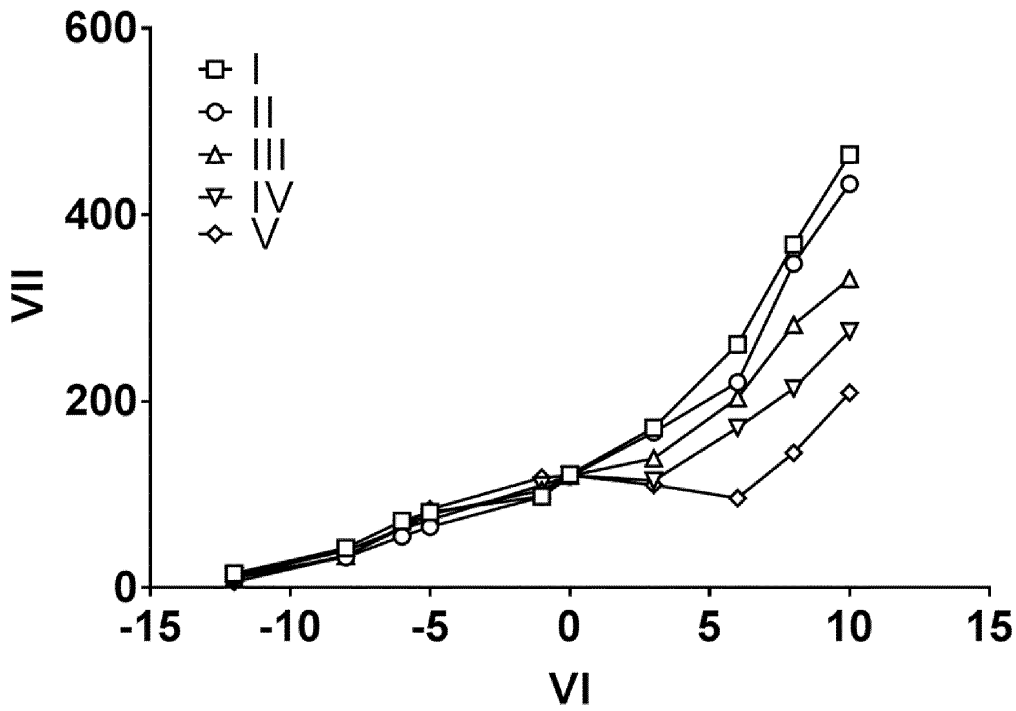


Figure 46

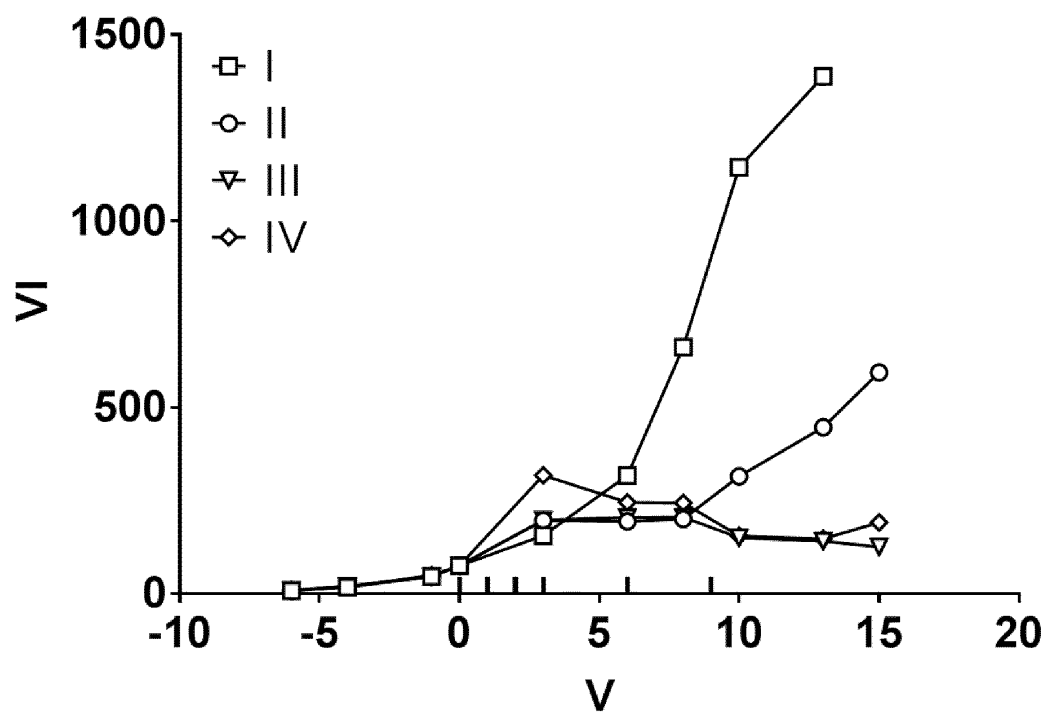


Figure 47

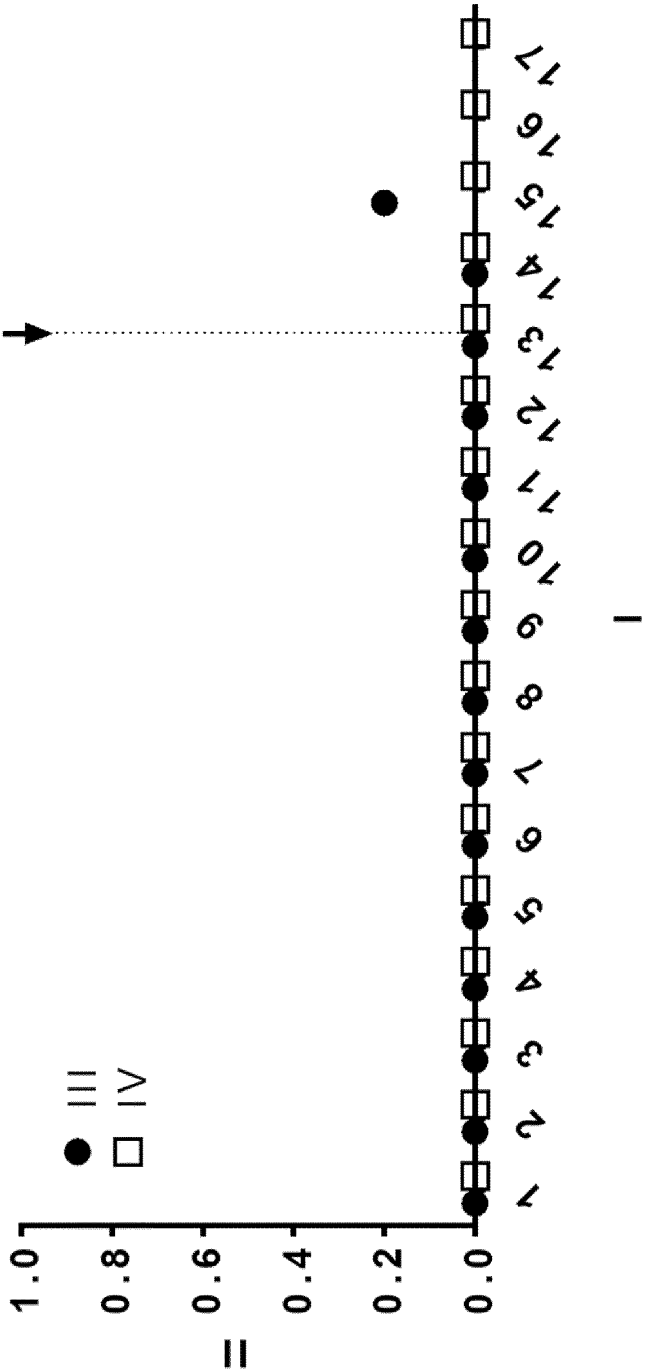
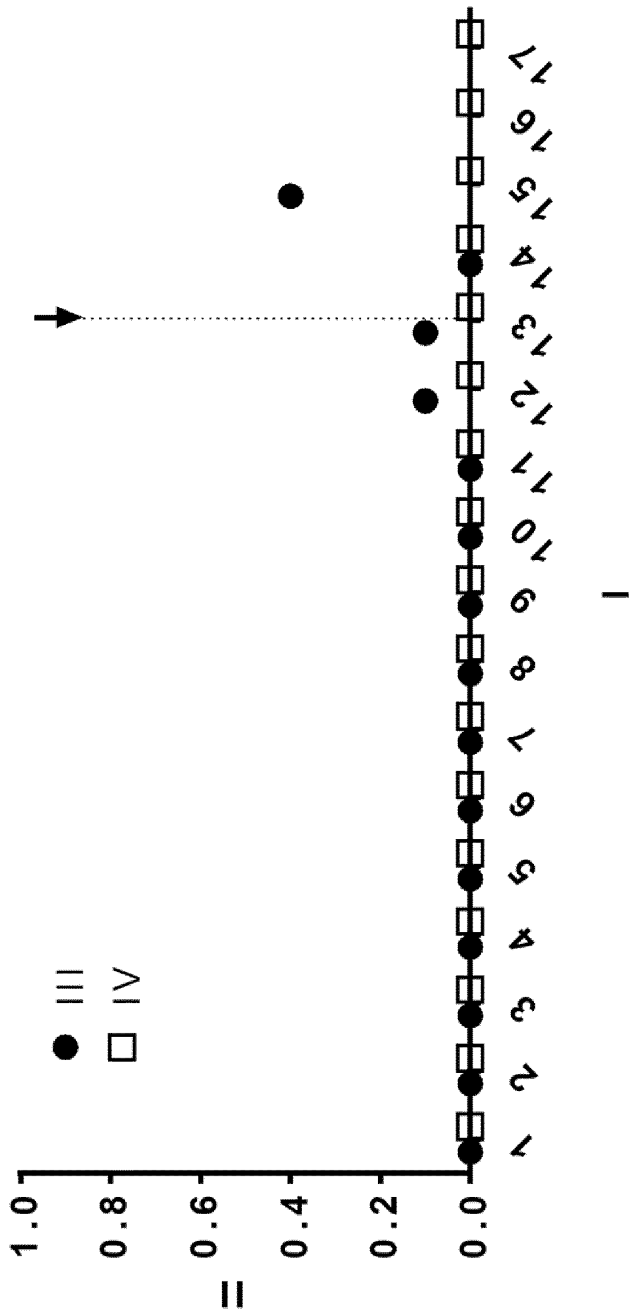


Figure 48



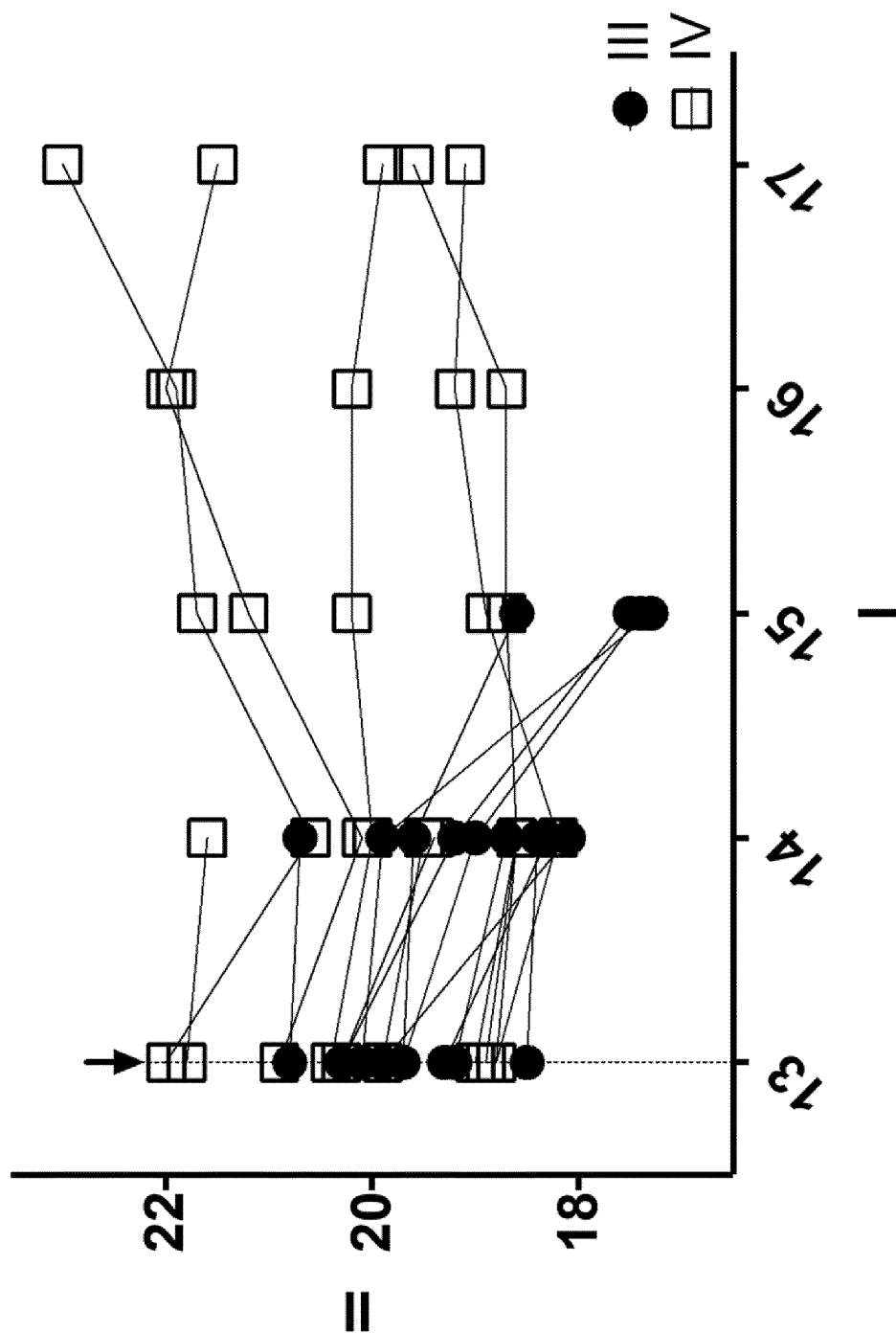


Figure 50

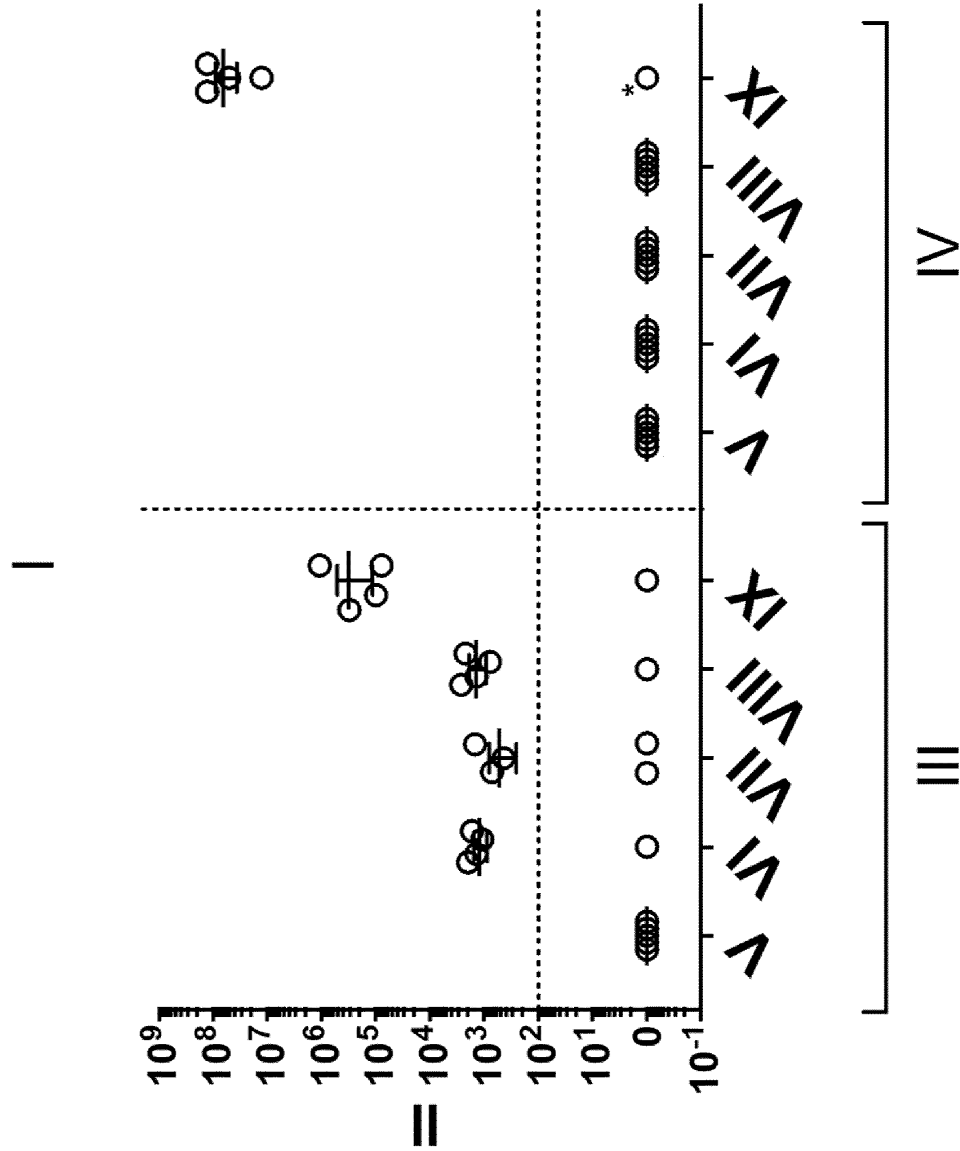


Figure 51

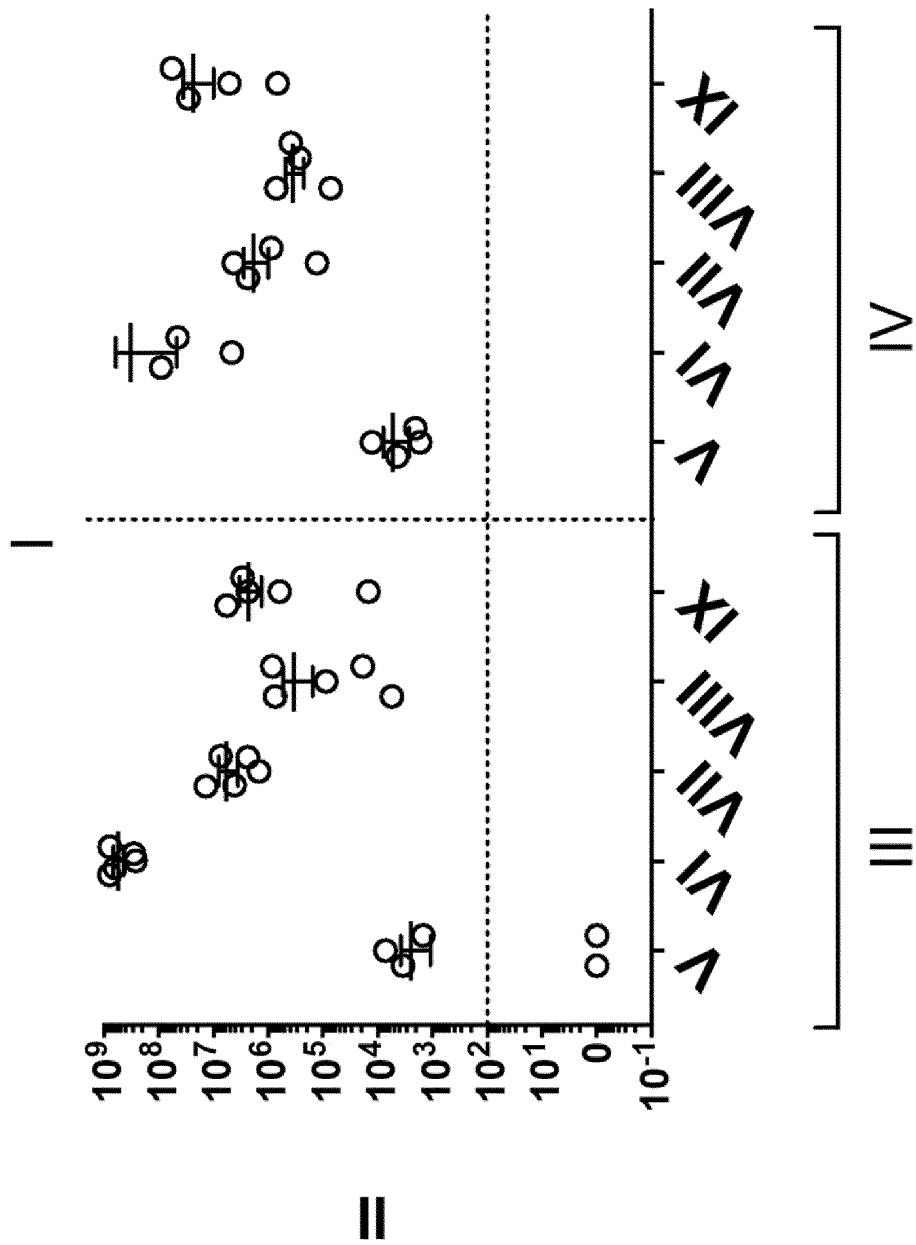


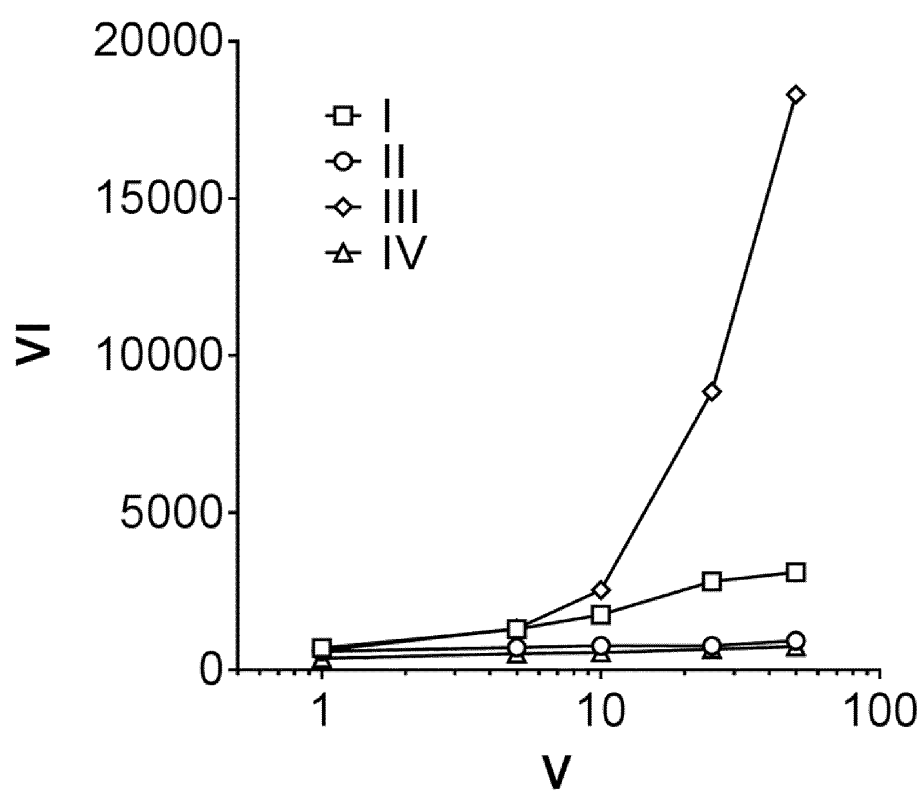
Figure 52

Figure 3A

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
ΔHOPEMT	Y. enterocolitica	MRS40 pIML421 [yopHΔ1-352, yopOΔ65-558, yopP23, yopE21, yopM23, yopT135]					Nal	Iriarte and Cornelis, 1998
ΔHOPEMT asd yopB	Y. enterocolitica ΔyopH,O,P,E,M,T	MRS40 pIML421 [yopBΔ89-217, yopHΔ1-352, yopOΔ65-558, yopP23, yopE21, yopM23, yopT135]					Nal Kan	
ΔHOPEMT asd	Y. enterocolitica ΔyopH,O,P,E,M,T	MRS40 asdΔ292-610 pIML421 [yopHΔ1-352, yopOΔ65-558, yopP23, yopE21, yopM23, yopT135]					Nal	Kudryashev et al., 2013
ΔHOPEMT asd inv	Y. enterocolitica ΔyopH,O,P,E,M,T	MRS40 asdΔ292-610 invΔ352-2225::aphA-3 pIML421 [yopHΔ1-352, yopOΔ65-558, yopP23, yopE21, yopM23, yopT135]				445/446, 447/448, 449/450	Nal Kan	
ΔHOPEMT asd inv yadA	Y. enterocolitica ΔyopH,O,P,E,M,T ΔinvA ΔyadA	MRS40 asdΔ292-610 invΔ587-836 (vector cointegration) yadAΔ89-354::aphA3 pIML421 [yopHΔ1-352, yopOΔ65-558, yopP23, yopE21, yopM23, yopT135]				352/353, 354/355, 356/357	Nal Kan Tet	

Figure 3B

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
ΔHOPEMT asd pBad_Si1	Y. enterocolitica ΔyopH,O,P,E,M,T Δasd	EGFP (Arabinose inducible), SycE-YopE1-138-MycHis fragment		pBad- MycHisA (Invitrogen)	pBad_Si_1	285/286 (EGFP), 287/288 (sycE- YopE1- 138)	Nal Amp	
ΔHOPEMT asd pBad_Si2	Y. enterocolitica ΔyopH,O,P,E,M,T Δasd	SycE-YopE1-138-MycHis fragment	YopE1- 138- MycHis	pBad- MycHisA (Invitrogen)	pBad_Si_2	287/288 (sycE- YopE1- 138)	Nal Amp	
ΔHOPEMT asd pSi_85	Y. enterocolitica ΔyopH,O,P,E,M,T Δasd		YopE1- 138-Bid	pBad_Si_2	pSi_85	387/391	Nal Amp	
ΔHOPEMT asd pSi_87	Y. enterocolitica ΔyopH,O,P,E,M,T Δasd		YopE1- 138-t-Bid	pBad_Si_2	pSi_87	389/391	Nal Amp	

Figure 3C

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
Δ HOPEMT asd pSi 120	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M, T Δ asd		YopE1-138-ET1	pBad_Si_2	pSi_120	436/437	Nal Amp	
Δ HOPEMT asd pSi 121	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M, T Δ asd		YopE1-138-z-BIM	pbad_Si_1	pSi_121	438/439	Nal Amp	
Δ HOPEMT asd pSi 132	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M, T Δ asd		YopE1-138-TEV protease S219V	pBad_Si_2	pSi_132	463/464	Nal Amp	
Δ HOPEMT asd pSi 158	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M, T Δ asd		YopE1-138 - 2xTEVsite - EGFP	pBad_Si_2	pSi_158	511/476	Nal Amp	
Δ HOPEMT asd pSi 151	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M, T Δ asd		YopE1-138-Ink4C	pBad_Si_2	pSi_151	494/495	Nal Amp	

Figure 3D

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistance	Reference
Δ HOPEMT asd pSi_156	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-2x TEVsite - ET1	pBad_Si_2	pSi_156	504/505	Nal Amp	
Δ HOPEMT asd pSi_159	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138- 2xTEVsite - EGFP - NLS	pBad_Si_2	pSi_159	511/513	Nal Amp	
Δ HOPEMT asd pSi_160	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138- 2xTEVsite - NLS - EGFP	pBad_Si_2	pSi_160	512/476	Nal Amp	
Δ HOPEMT asd pSi_161	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-2x TEVsite - INK4C	pBad_Si_2	pSi_161	508/509	Nal Amp	
Δ HOPEMT asd pSi_164	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-2x TEVsite - Flag - INK4C	pBad_Si_2	pSi_164	515/509	Nal Amp	

Figure 3E

Strain Name	Background strain	Insert/rel evant character istics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resist ances	Referenc e
Δ HOPEMT asd pSi_318	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-Y. enterocolitica codon optimized murine tBid BH3 part	pBad_Si_2	pSi_318	677/678	Nal Amp	
Δ HOPEMT asd pSi_322	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-Y. enterocolitica codon optimized murine Bax BH3 part	pBad_Si_2	pSi_322	682/683	Nal Amp	
S. enterica SL1344 Δ aroA	S. enterica subsp. enterica serovar Typhimurium SL1344 Δ aroA							Hoiseth and Stocker, 1981
Δ HOPEMT asd pSi_315	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-Y. enterocolitica codon optimized murine tBid	pBad_Si_2	pSi_315	synthetic construct	Nal Amp	
Δ HOPEMT asd pSi_236	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-Ubiquitin	pBad_Si_2	pSi_236	585/586	Nal Amp	
Δ HOPEMT asd pSi_237_II	Y. enterocolitica Δ yopH,O,P,E,M,T Δ asd		YopE1-138-Ubiquitin- Flag-INK4C-MycHis	pSi_236	pSi_237_II	588/509	Nal Amp	

Figure 3F

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
ΔHOPEMT Or: ΔHOPEMT asd pSi_357	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-Y. enterocolitica codon optimized murine tBid BH3	pBad_Si_2				
ΔHOPEMT Or: ΔHOPEMT asd pSi_358	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-Y. enterocolitica codon optimized murine Bax BH3	pBad_Si_2	pSi_357	733/735	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_371	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-(Y. enterocolitica codon optimized murine tBid BH3) ₂	pSi_357	pSi_358	736/738	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_373	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-Y. enterocolitica codon optimized murine tBid BH3-	pSi_358	pSi_371	733/734	Nal Amp	

Figure 3G

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si Nr.:	resistances	Reference
ΔHOPEMT Or: ΔHOPEMT asd pSi_353	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-Y. enterocolitica codon optimized murine tBid BH3 extended (by 4 Aa)	pBad_Si_2	pSi_353	725/726	Nal/Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_354	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-10 Aa linker-Y. enterocolitica codon optimized murine tBid BH3	pBad_Si_2	pSi_354	727/728	Nal/Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_374	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE1-138-Y. enterocolitica codon optimized murine Bax BH3- enterocolitica codon optimized murine tBid BH3	pSi_357	pSi_374	736/737	Nal/Amp	

Figure 3H

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si Nr.:	resistances	Reference
ΔHOPEMT Or: ΔHOPEMT asd pSi_453	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized human RIG-1 two CARD domains (Aa. 1-245)	pBad_Si_2	pSi_453	synthetic construct	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_454	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine RIG-1 two CARD domains (Aa. 1-246)	pBad_Si_2	pSi_454	synthetic construct	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_452	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized S. cerevisiae GCN4 (Aa. 249-278) - Y. enterocolitica codon optimized P. aeruginosa WspR (Aa. 172-347)	pBad_Si_2	pSi_452	synthetic construct	Nal Amp	

Figure 3I

Strain Name	Background strain	Insert/rel evant character istics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si Nr.:	resistance	Reference
ΔHOPEMT Or: ΔHOPEMT asd pSi_428	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine IRF3 S397D	pBad_Si_2	pSi_428	synthetic construct	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_482	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized V. Cholerae DncV (M3tolL413)	pBad_Si_2	pSi_482	synthetic construct	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_483	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized B. cereus DisA-like (PDB: 2FB5; Aa. 76- 205)	pBad_Si_2	pSi_483	synthetic construct	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_484	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized Anemonae (N. vectensis) cGAS (Ensembl: A7SFB5.1)	pBad_Si_2	pSi_484	synthetic construct	Nal Amp	

Figure 3J

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si. Nr.:ces	resistance	Reference
Δ HOPEMT <i>asd</i> pYV- <i>asd</i>	Y. enterocolitica Δ yopH,O,P,E ,M,T Δ <i>asd</i>	MRS40 pIML421 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135, pYV- <i>asd</i>]	/	pKNG101	pSi_41 7 (Mutat or)	PCR1: 869/870; PCR2: 871/872; PCR3: 873/874; overlapping PCR 869/874	Nal	
Δ HOPEMT <i>asd</i> pBad- <i>asd</i>	Y. enterocolitica Δ yopH,O,P,E ,M,T Δ <i>asd</i>	MRS40 pIML421 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135]	YopE1-138- MycHis	pBad_Si_2	pSi_39 7	600/601	Nal	
Δ HOPEMT <i>virF</i> - <i>hairpinI</i>	Y. enterocolitica Δ yopH,O,P,E ,M,T	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 virF Δ -111 -- -57]	/	pKNG101	pSI_4 41 (Mutat or)	synthetic construct	Nal	
Δ HOPEMT <i>virF</i> - <i>hairpinI</i> pSi_371	Y. enterocolitica Δ yopH,O,P,E ,M,T Δ <i>virF</i> - <i>hairpinI</i>	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 virF Δ -111 -- -57]	YopE1-138- (Y. enterocolitica codon optimized murine tBid BH3) ₂	pBad_Si_2	pSi_3 71	733/734	Nal Amp	

Figure 3K

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid name	Resulting plasmid name	Primers. Si. Nr.:	resistance	Reference
Δ HOPEMT pYV-YopE ₁₋₁₃₈ ⁻ murine tBID BH3	Y. enterocolitica Δ yopH,O,P,E,M, _T	MRS40 [yopHA1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::tBID BH3]	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSI_408 (Mutator)	synthetic construct	Nal	
Δ HOPEMT pYV-YopE ₁₋₁₃₈ ⁻ murine (tBID BH3) ₂	Y. enterocolitica Δ yopH,O,P,E,M, _T	MRS40 [yopHA1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::tBID BH3] ₂	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSI_437 (Mutator)	synthetic construct	-	
Δ HOPEMT pYV- <i>virF</i> - <i>hairpinI</i> - YopE ₁₋₁₃₈ ⁻ murine (tBID BH3) ₂	Y. enterocolitica Δ yopH,O,P,E,M, _T , yopE::tBID BH3) ₂	MRS40 [yopHA1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::tBID BH3) ₂ virFA-111 - -57]	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSI_441 (Mutator)	synthetic construct	Nal	
Δ HOPEMT asd pYV-asd-YopE ₁₋₁₃₈ ⁻ murine (tBID BH3) ₂	Y. enterocolitica Δ yopH,O,P,E,M, _T Δ asd pYV-asd	MRS40 pIML421 [yopHA1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135, yopE::tBID BH3) ₂ pYV-asd]	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSI_437 (Mutator)	synthetic construct	Nal	

Figure 3L

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
Δ HOPEMT pYV-YopE ₁₋₁₃₈ ⁻ murine RIG-1 CARD domains	Y. enterocolitica Δ yopH,O,P,E,M,T	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::RIG-1 CARD domains	YopE ₁₋₁₃₈ ⁻ RIG-1 CARD domains	pKNG101	pSI_456 (Mutator)	synthetic construct	Nal	
Δ HOPEMT pYV-pAra-virF	Y. enterocolitica Δ yopH,O,P,E,M,T	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 pAra::virF]	/	pKNG101	pSI_439 (Mutator)	synthetic construct	-	
Δ HOPEMT pYV-pAra-virF pSi_371	Y. enterocolitica Δ yopH,O,P,E,M,T, pYV-pAra-virF	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 pAra::virF]	YopE ₁₋₁₃₈ ⁻ (Y. enterocolitica codon optimized murine tBid BH3) ₂	pBad_Si_2	pSi_371	733/734	Nal Amp	

Figure 3M

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
Δ HOPEMT pYV- <i>virF-hairpinI</i> -YopE ₁₋₁₃₈ ⁻ murine RIG-1 CARD domains	Y. enterocolitica Δ yopH,O,P,E,M,T yopE::murine RIG-1 CARD domains	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 virF Δ -111 --57 yopE::RIG-1 CARD domains	YopE ₁₋₁₃₈ ⁻ RIG-1 CARD domains	pKNG101	pSi_441 (Mutator)	synthetic construct	Nal	
Δ HOPEMT Or: Δ HOPEMT asd pSi_521	Y. enterocolitica Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ ⁻ Y. enterocolitica codon optimized murine RIG-1 two CARD domains (Aa. 1-229)	pBad_Si_2	pSi_521	1021/1022	Nal Amp	

Figure 3N

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si Nr.:	resistances	Reference
ΔHOPEMT Or: ΔHOPEMT asd pSi_522	Y. enterocolitica ΔyopH,O,P,E,M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine RIG-1 two CARD domains (Aa. 1-218)	pBad_Si_2	pSi_522	1021/1023	Nal/Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_517	Y. enterocolitica ΔyopH,O,P,E,M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine MDA5 two CARD domains (Aa. 1-294)	pBad_Si_2	pSi_517	synthetic construct	Nal/Amp	

Figure 30

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si Nr.:	resistances	Reference
Δ HOPEMT Or: Δ HOPEMT asd pSi_524	Y. enterocolitica Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine MDA5 two CARD domains (Aa. 1-231)	pBad_Si_2	pSi_524	1025/1026	Nal Amp	
Δ HOPEMT Or: Δ HOPEMT asd pSi_515	Y. enterocolitica Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized human cGAS (Aa. 161-522)	pBad_Si_2	pSi_515	synthetic construct	Nal Amp	

Figure 3P

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si Nr.:	resistances	Reference
Δ HOPEMT Or: Δ HOPEMT asd pSi_539	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized human MAVS CARD (Aa. 1- 100)	pBad_Si_2	pSi_539	synthetic construct	Nal Amp	
Δ HOPEMT Or: Δ HOPEMT asd pSi_503	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized Anemonae (<i>N. vectensis</i>) cGAS (Aa. 60-422) (Ensembl: A7SFB5.1)	pBad_Si_2	pSi_484	1010/1012	/	
Δ HOPEMT Or: Δ HOPEMT asd pSi_518	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized <i>Listeria</i> monocytogenes CdaA (Aa. 101-273)	pBad_Si_2	pSi_518	synthetic construct	Nal Amp	

Figure 3Q

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
Δ HOPEMT-yopB pSi_539	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T, B	Deletion of <i>yopB</i>	YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized human MAVS CARD (Aa. 1- 100)	pBad_Si_2	pSi_539	synthetic construct	Nal Amp	
Δ HOPEMT-yopB pSi_454	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T, B	Deletion of <i>yopB</i>	YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine RIG-1 two CARD domains (Aa. 1-246)	pBad_Si_2	pSi_454	synthetic construct	Nal Amp	