

Figure 1

A

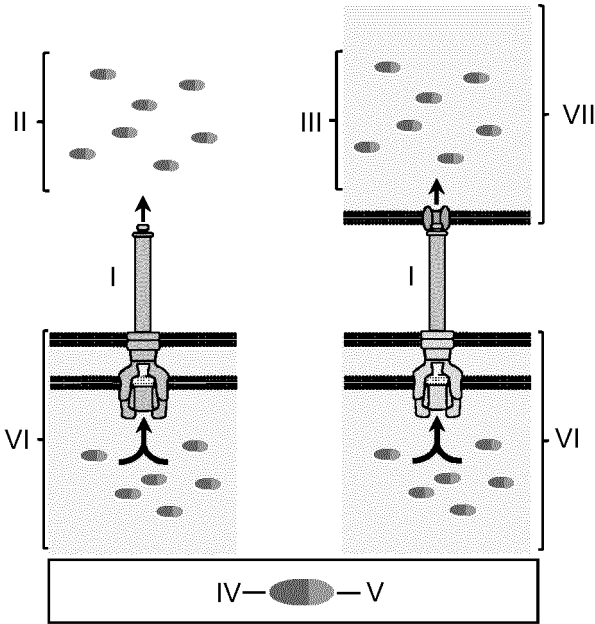
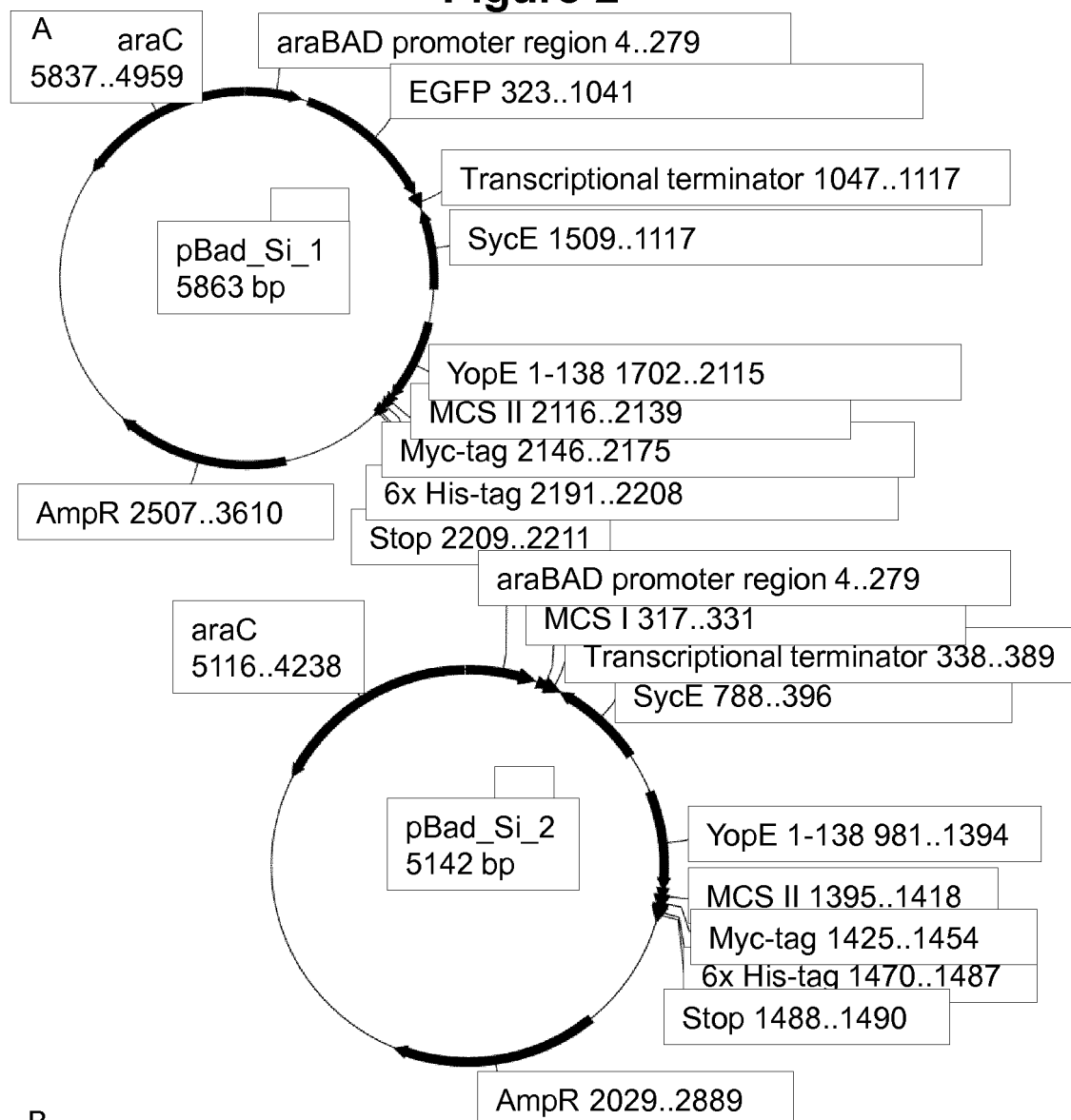


Figure 2**B**

```

      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

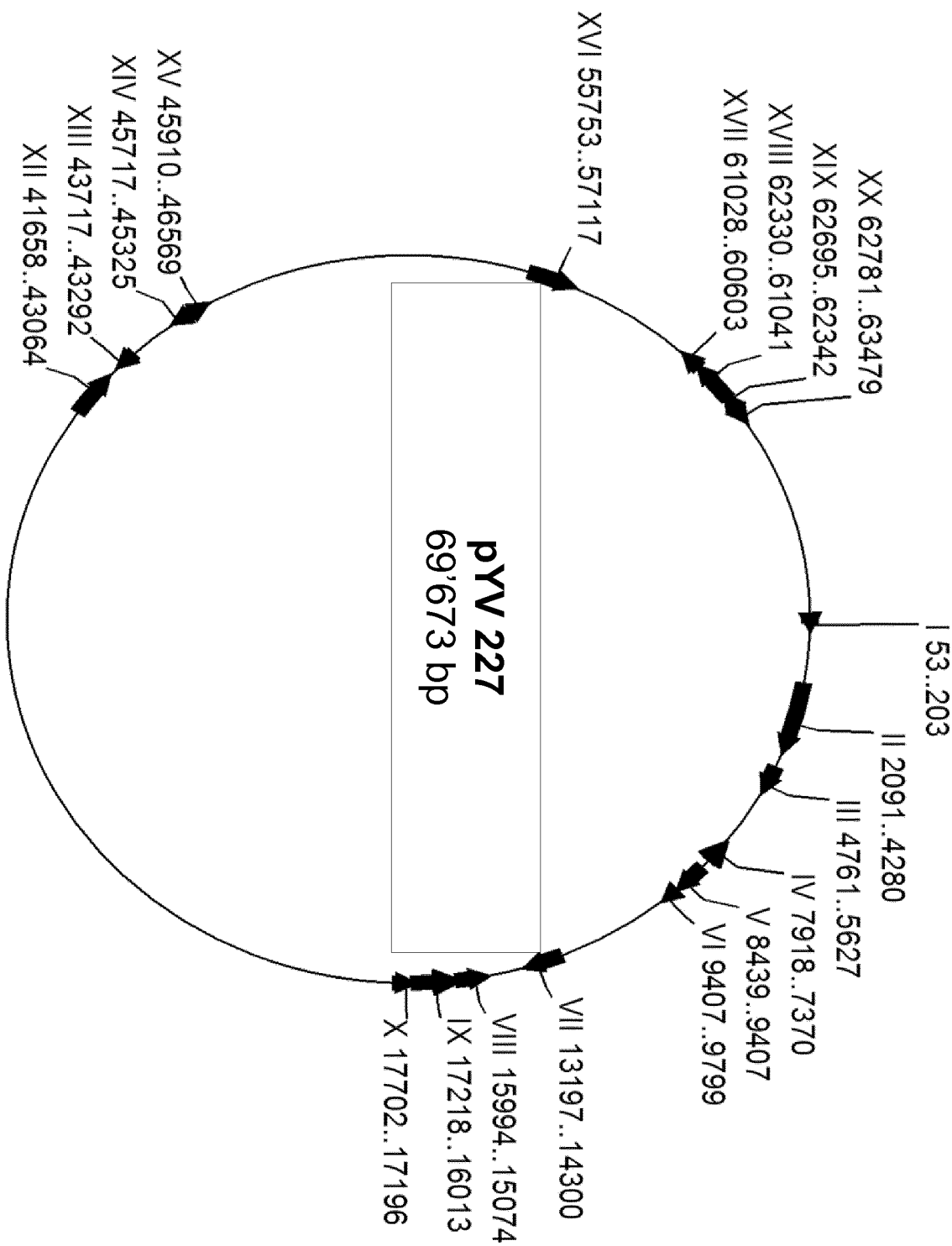


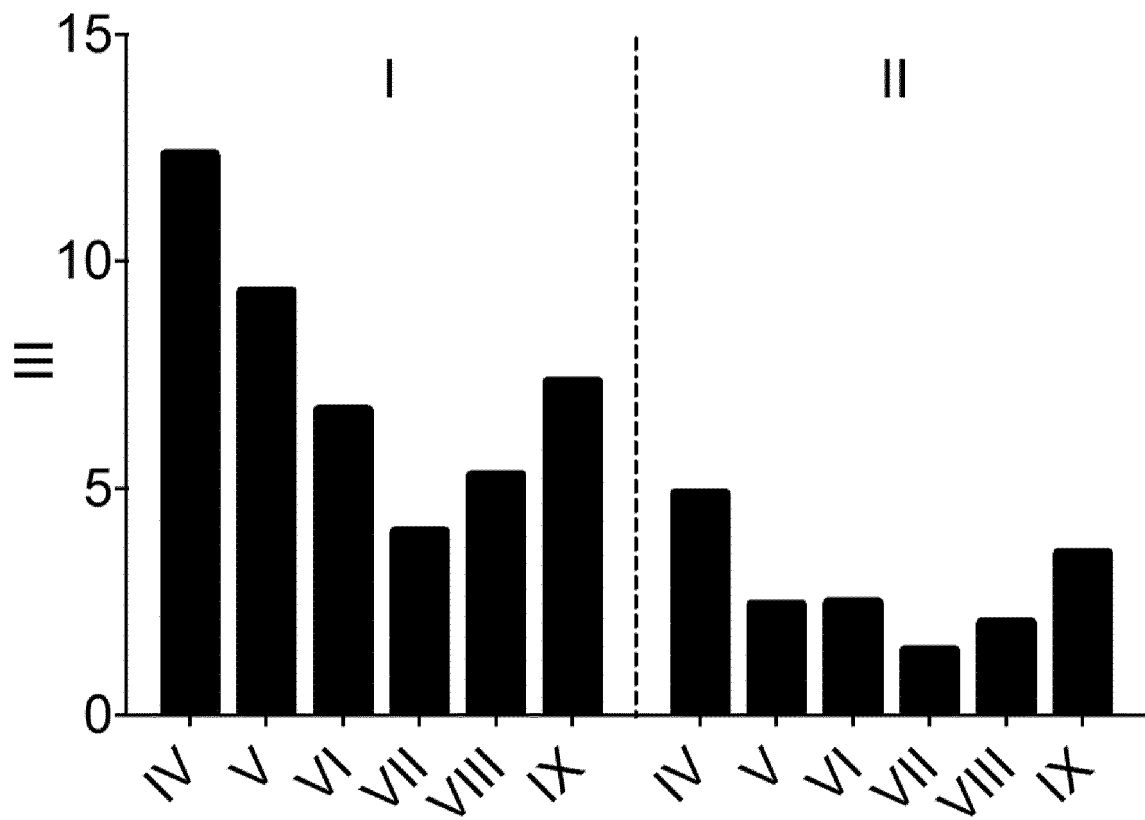
Figure 5

Figure 6

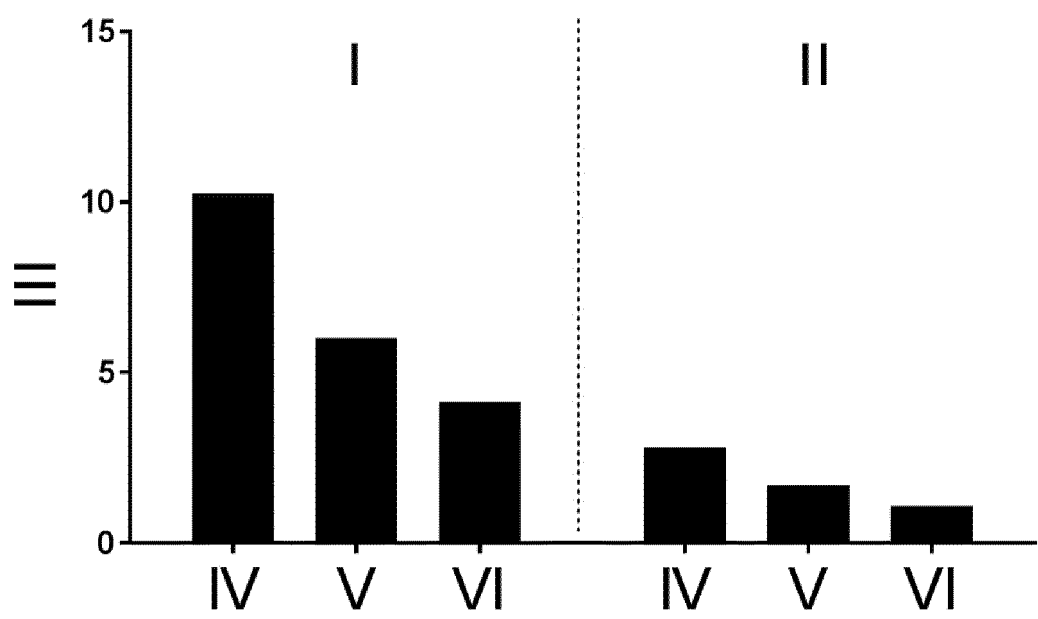


Figure 7

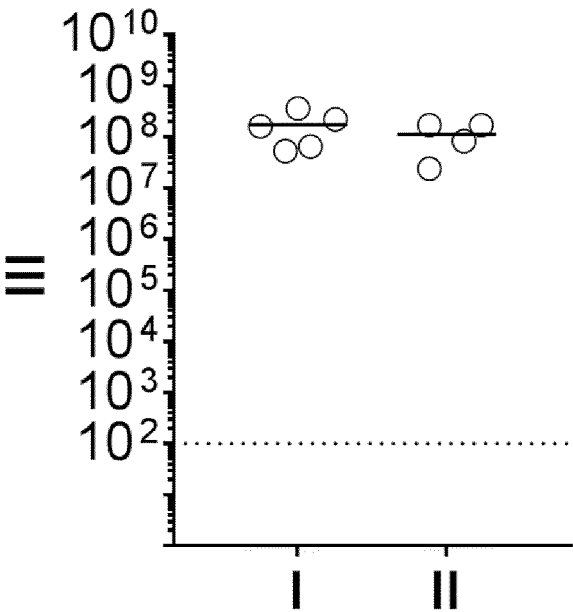


Figure 8

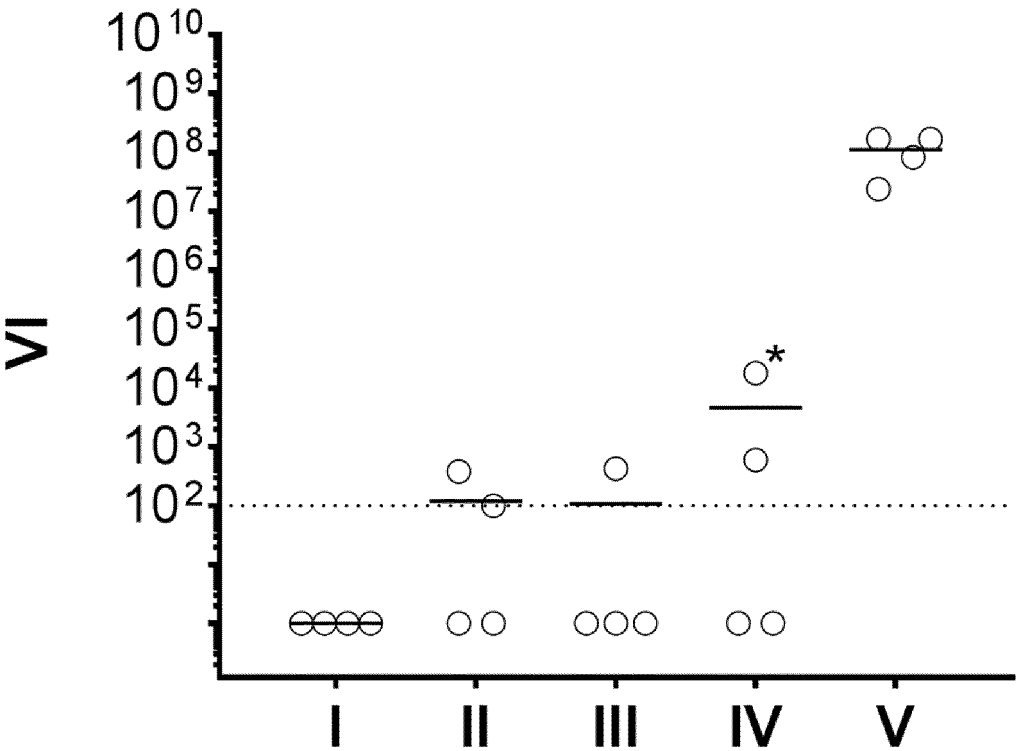


Figure 9

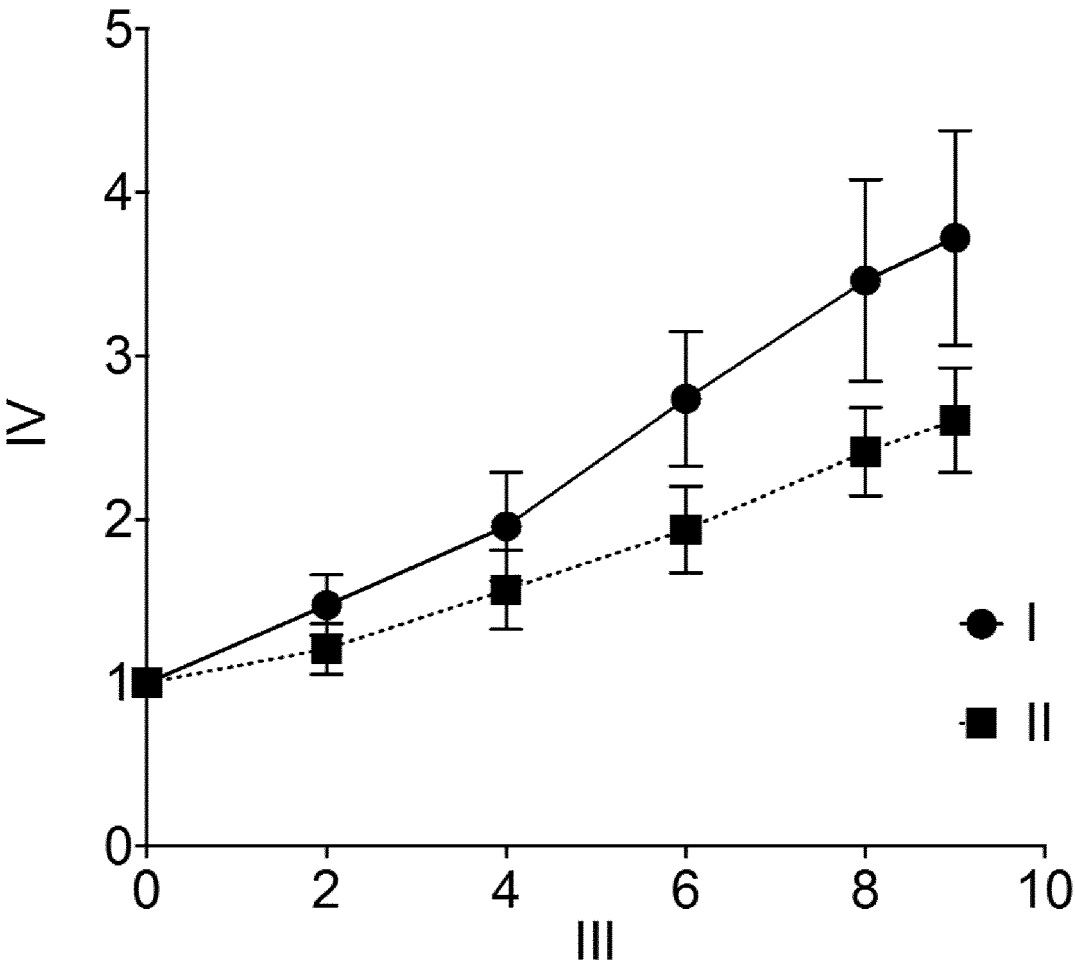


Figure 10

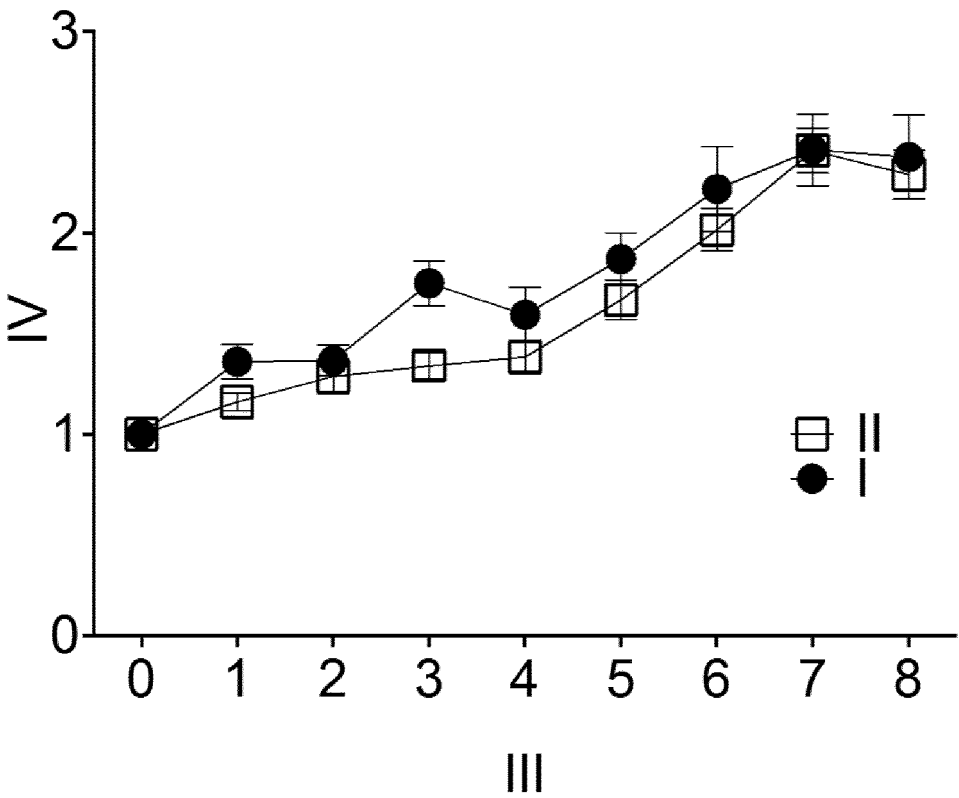
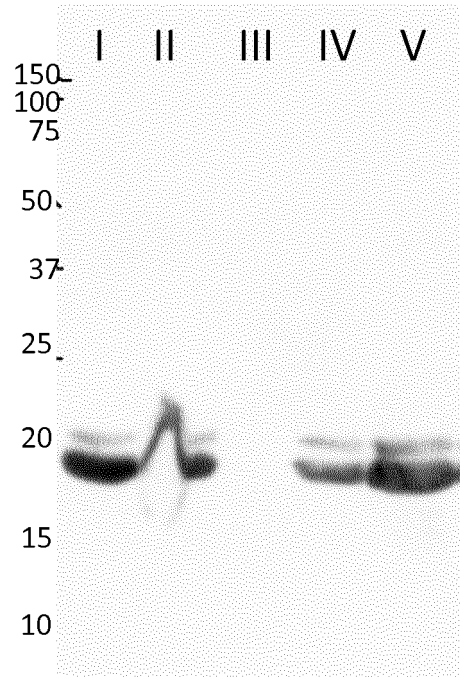


Figure 11

A



B

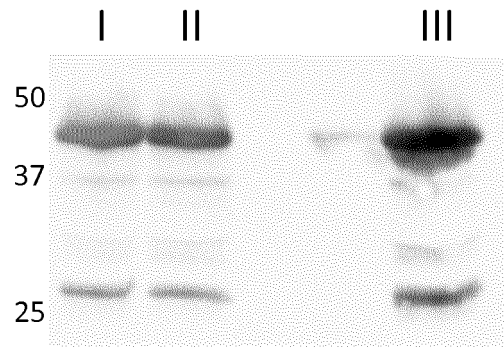


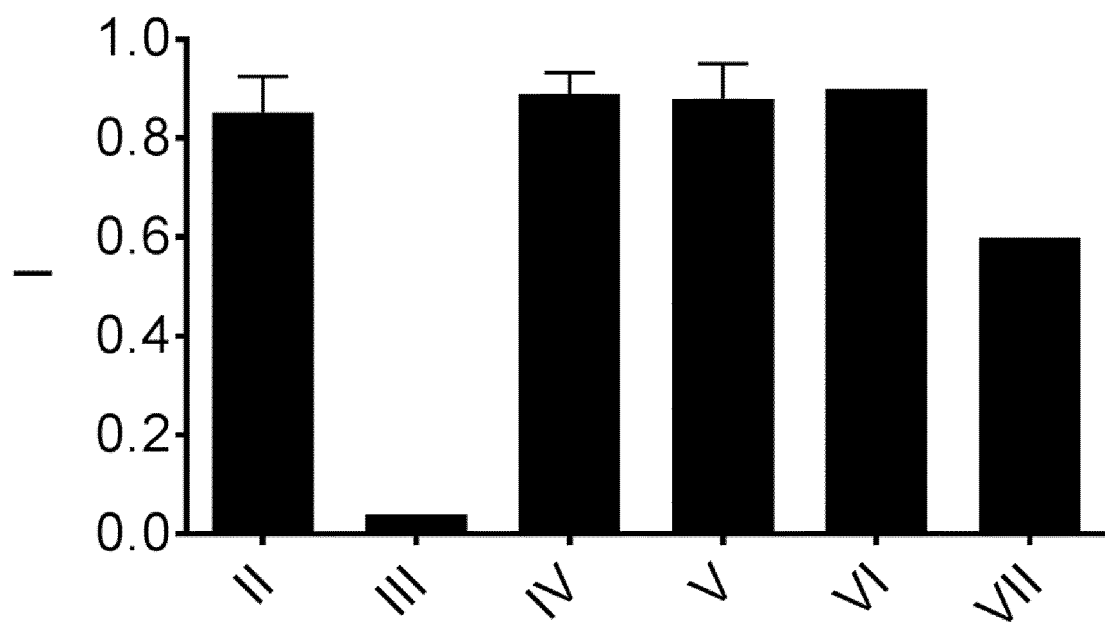
Figure 12

Figure 13

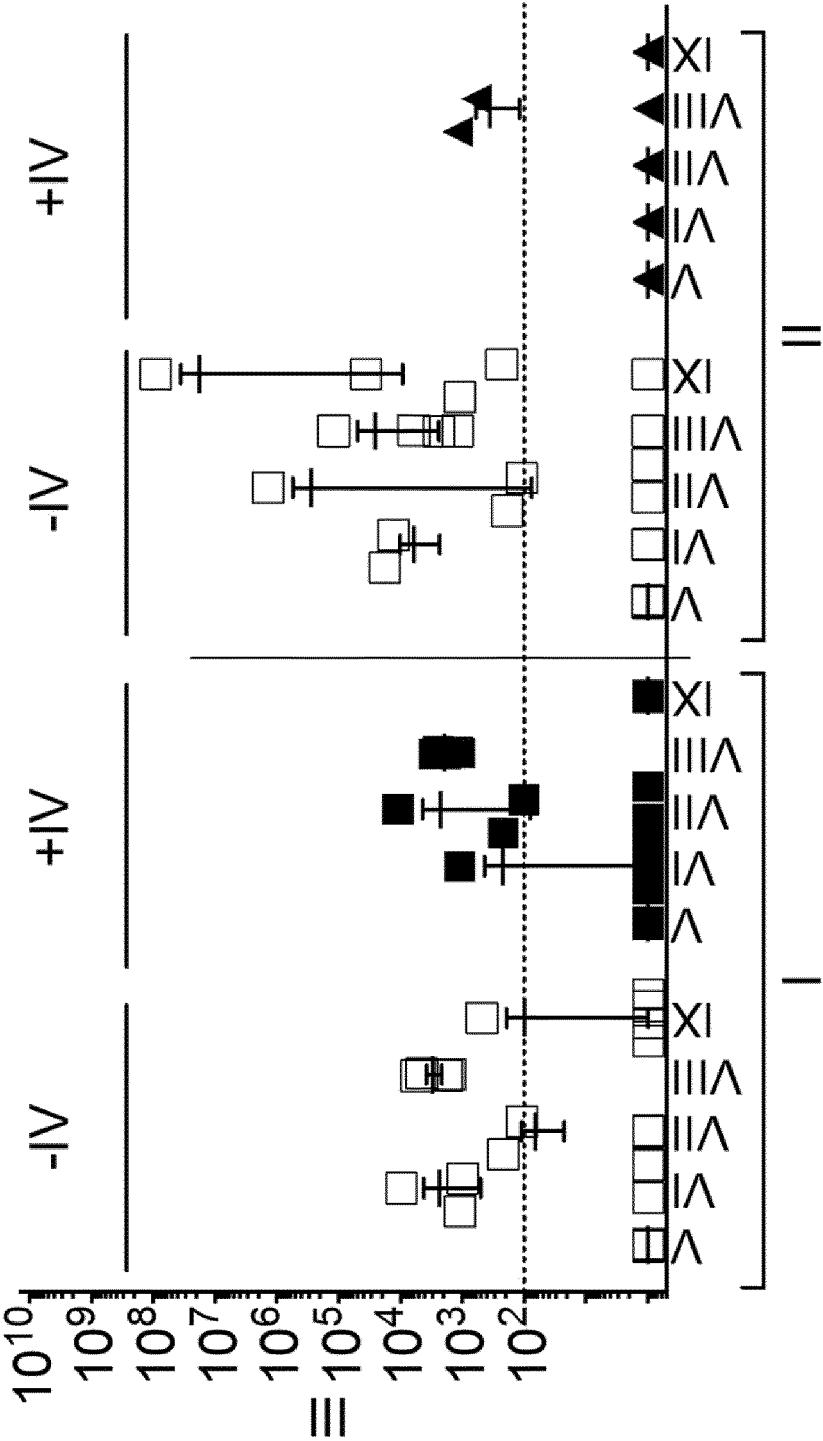


Figure 14

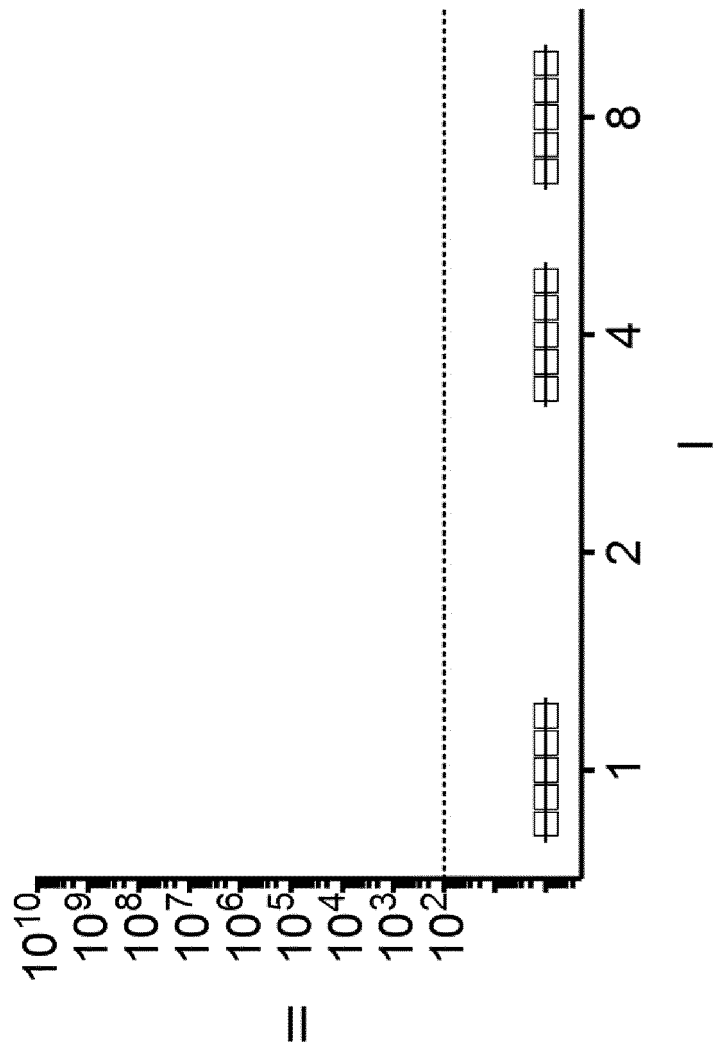


Figure 15

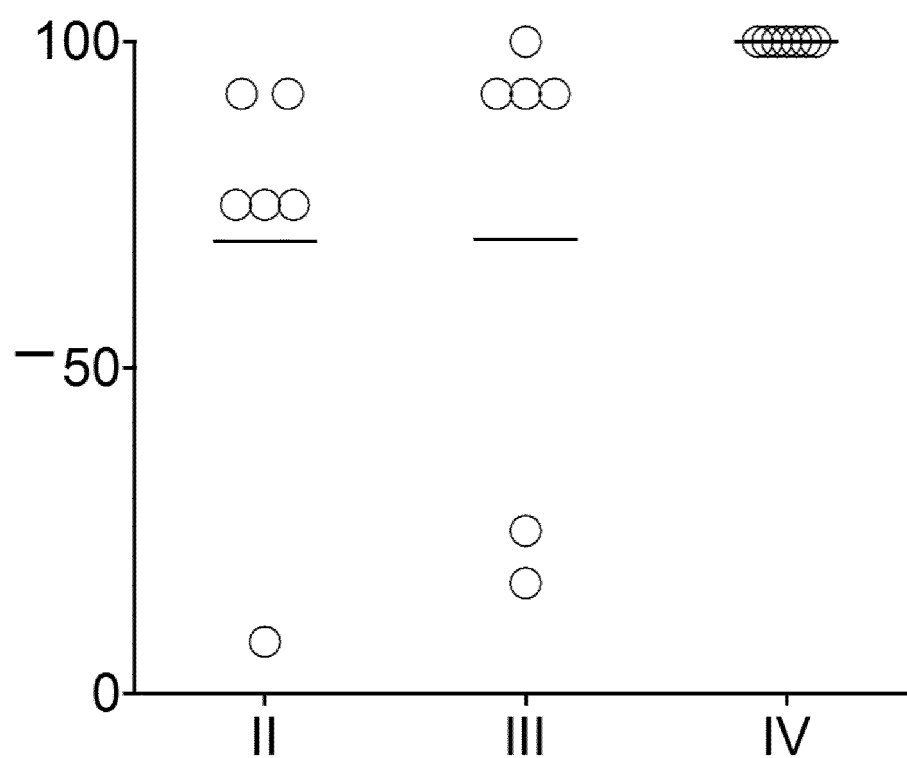


Figure 16

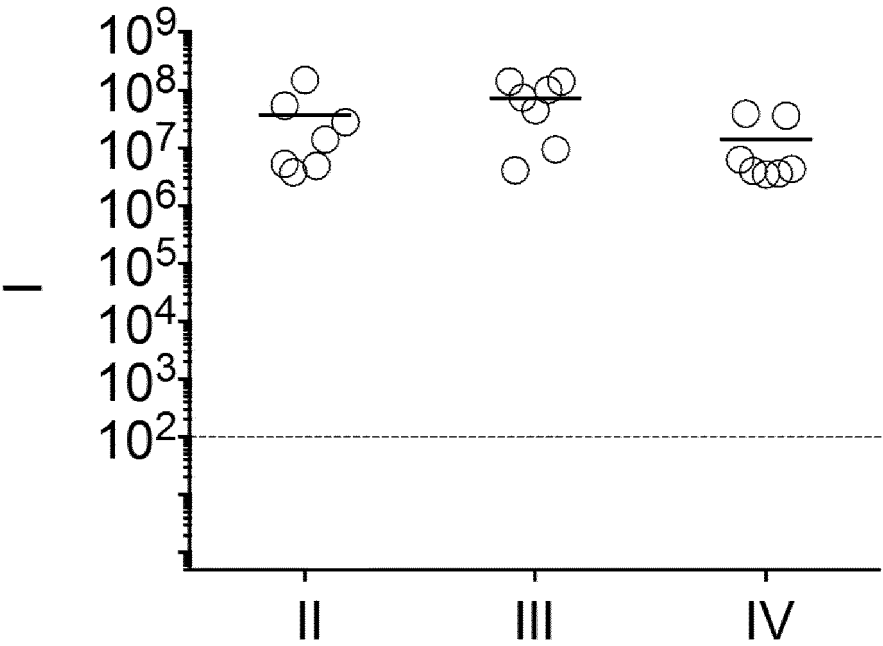


Figure 17

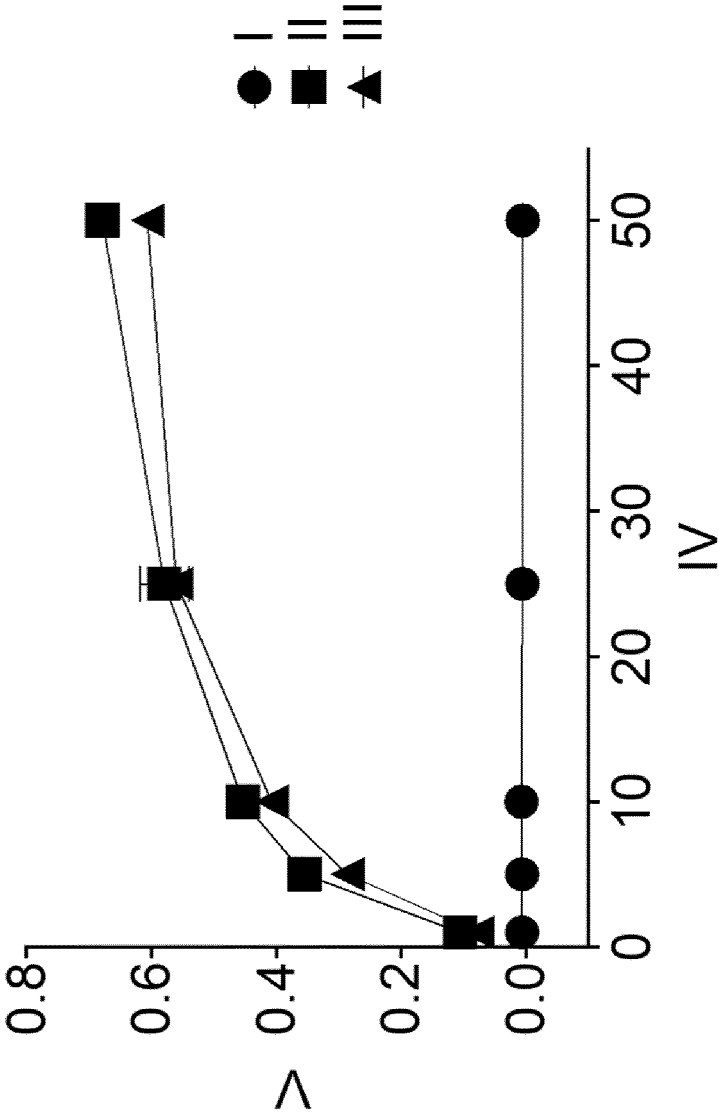


Figure 18

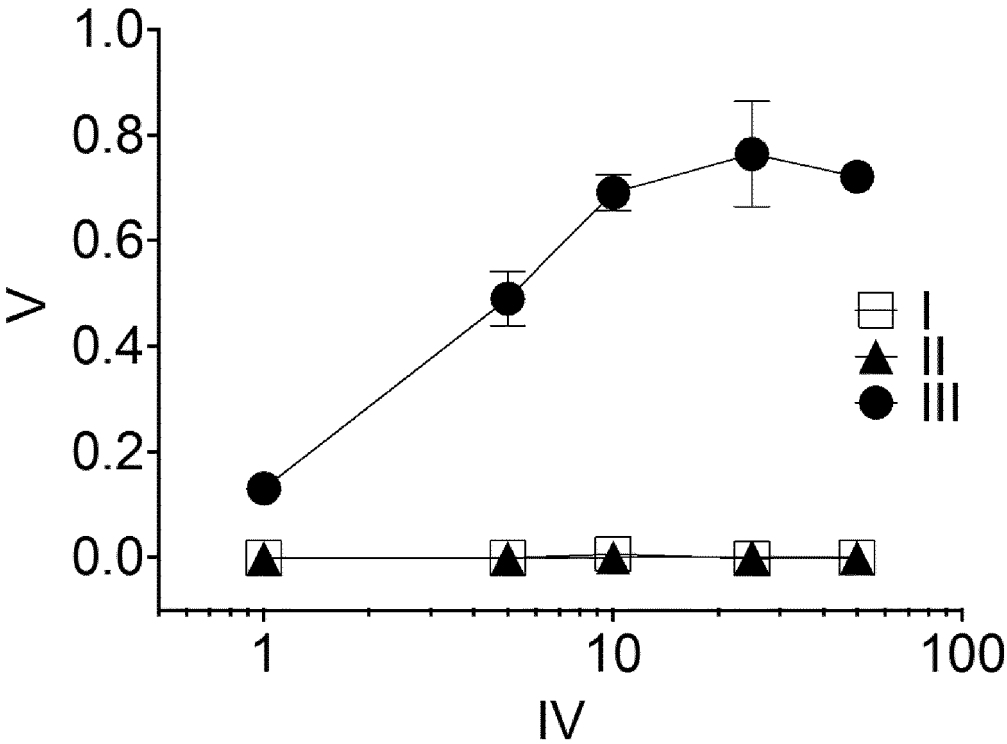


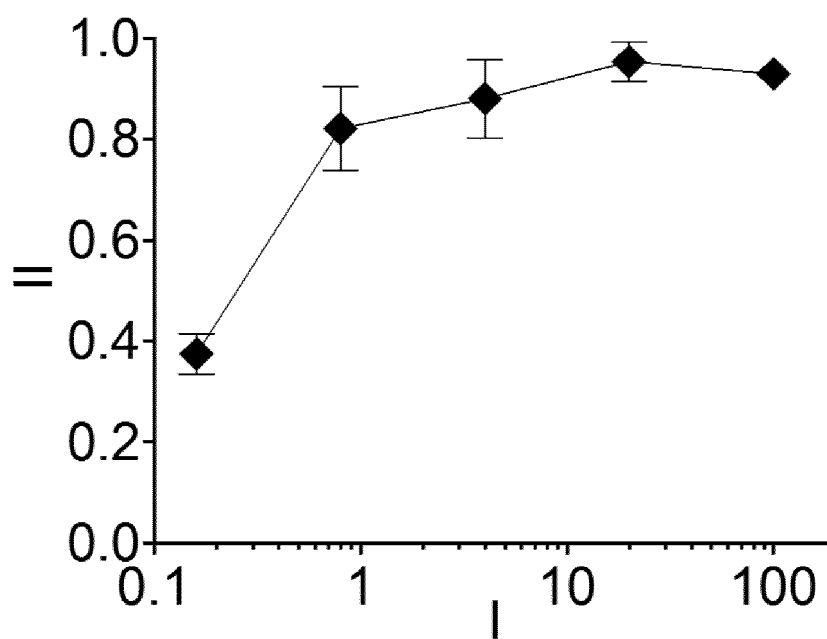
Figure 19

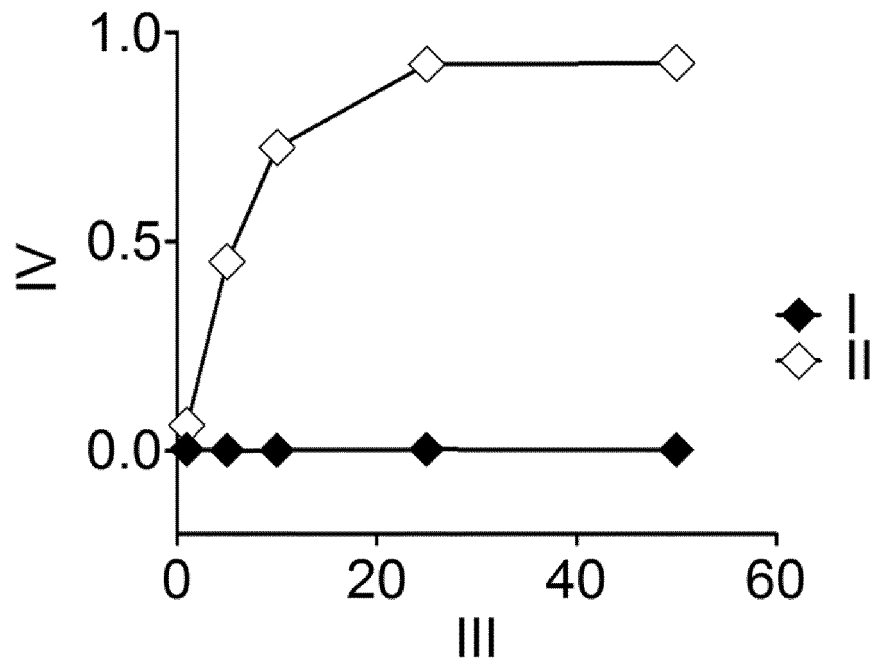
Figure 20

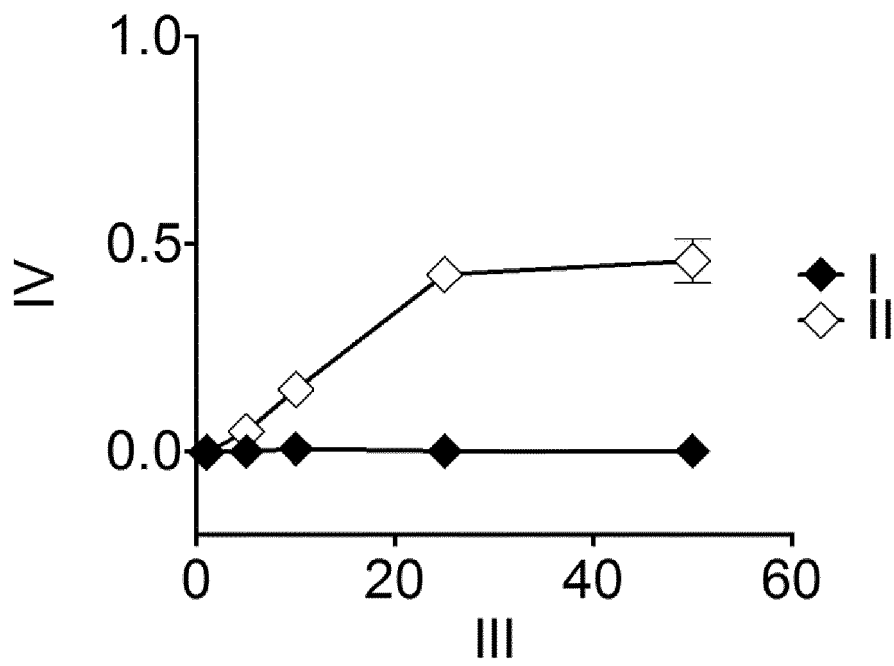
Figure 21

Figure 22

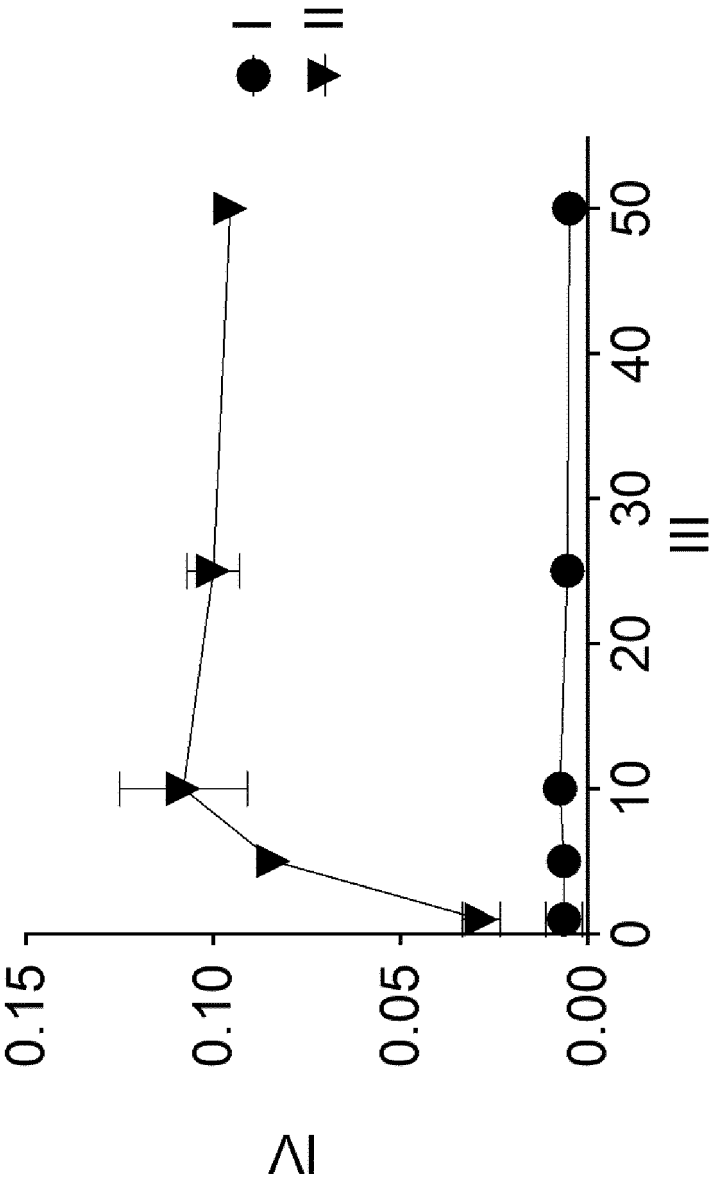


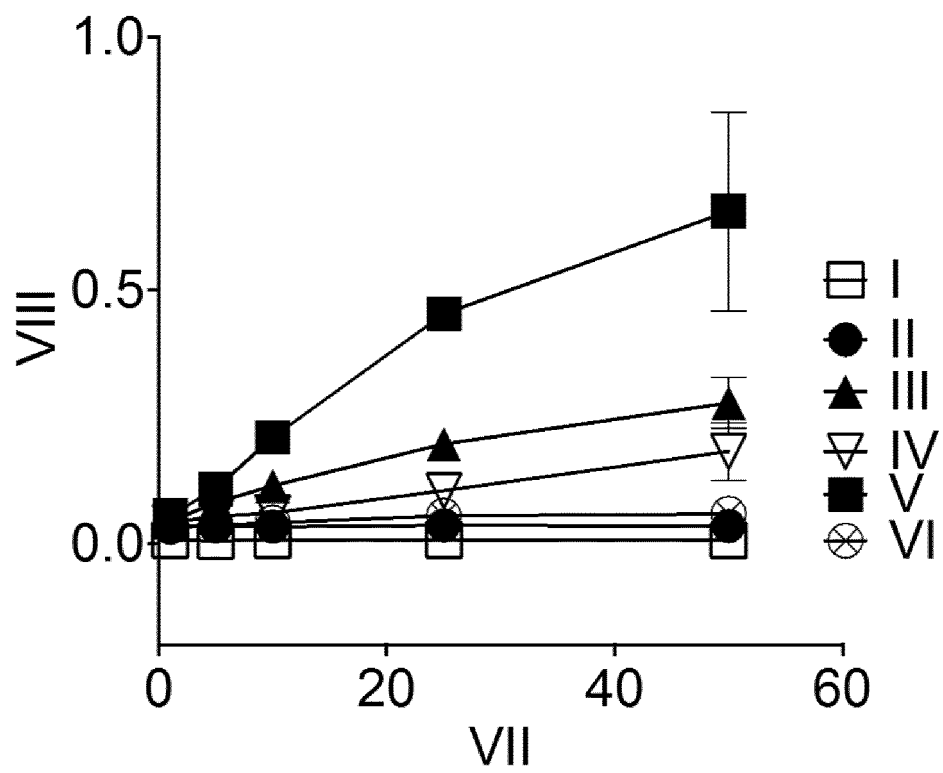
Figure 23

Figure 24

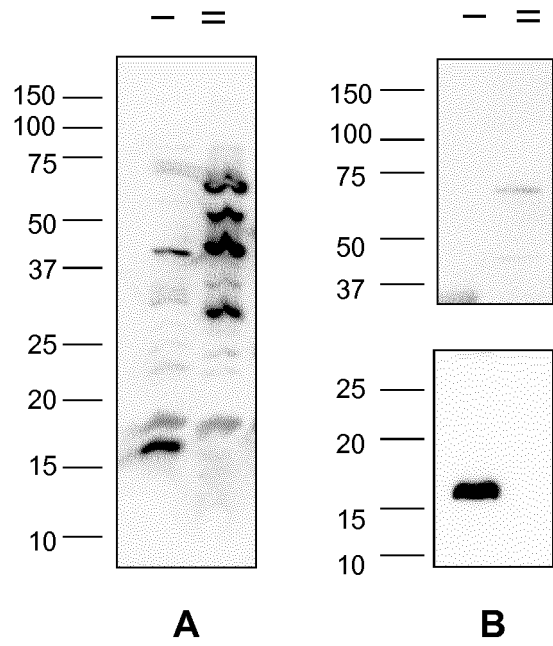


Figure 25

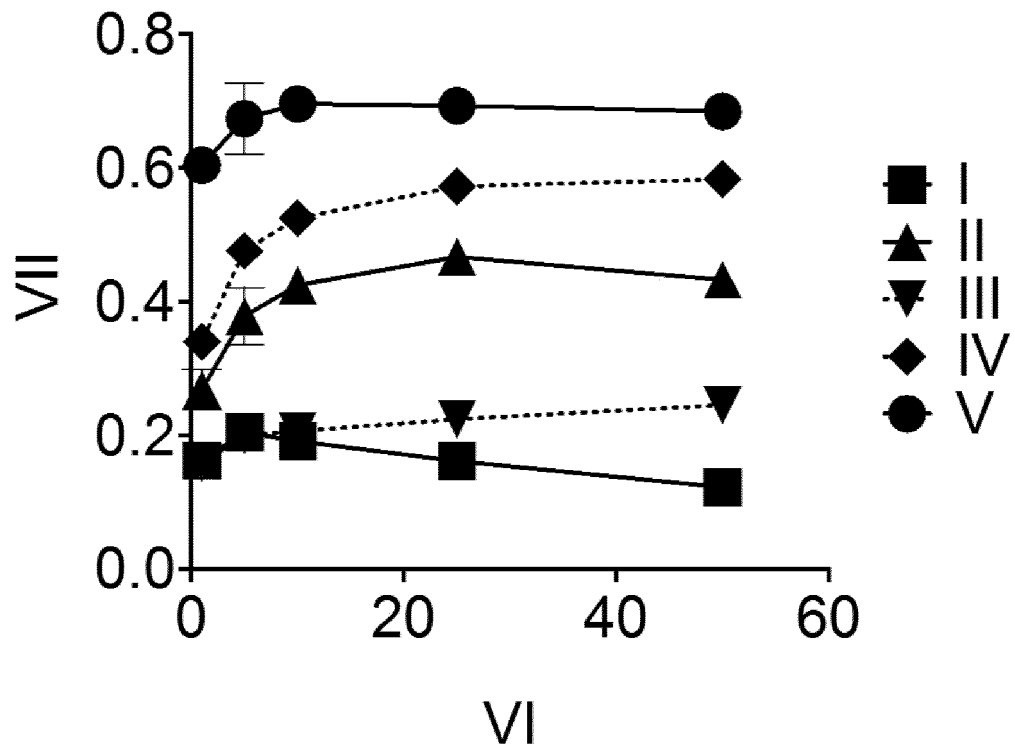


Figure 26

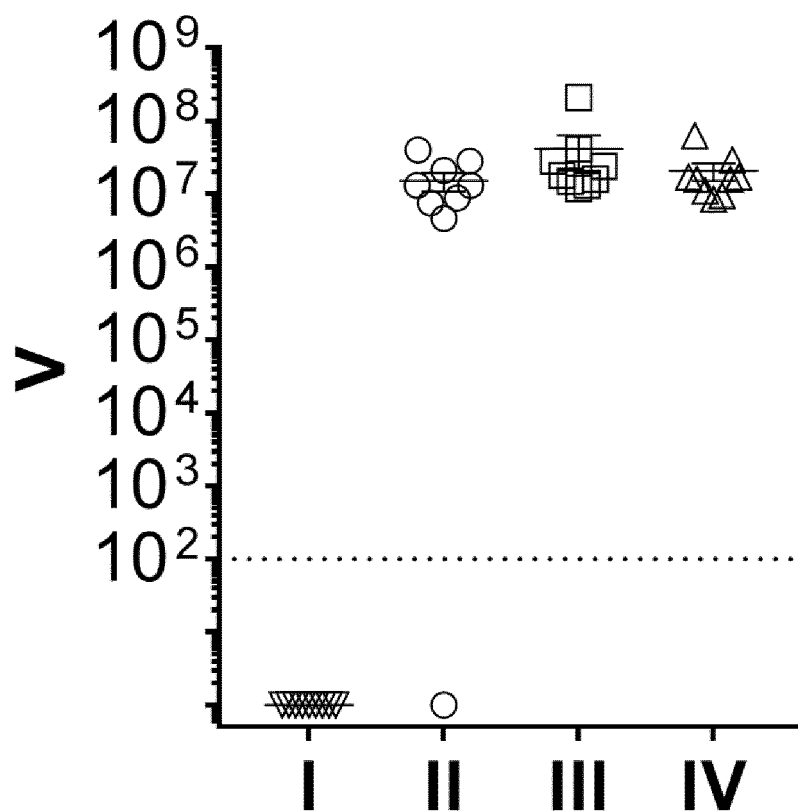


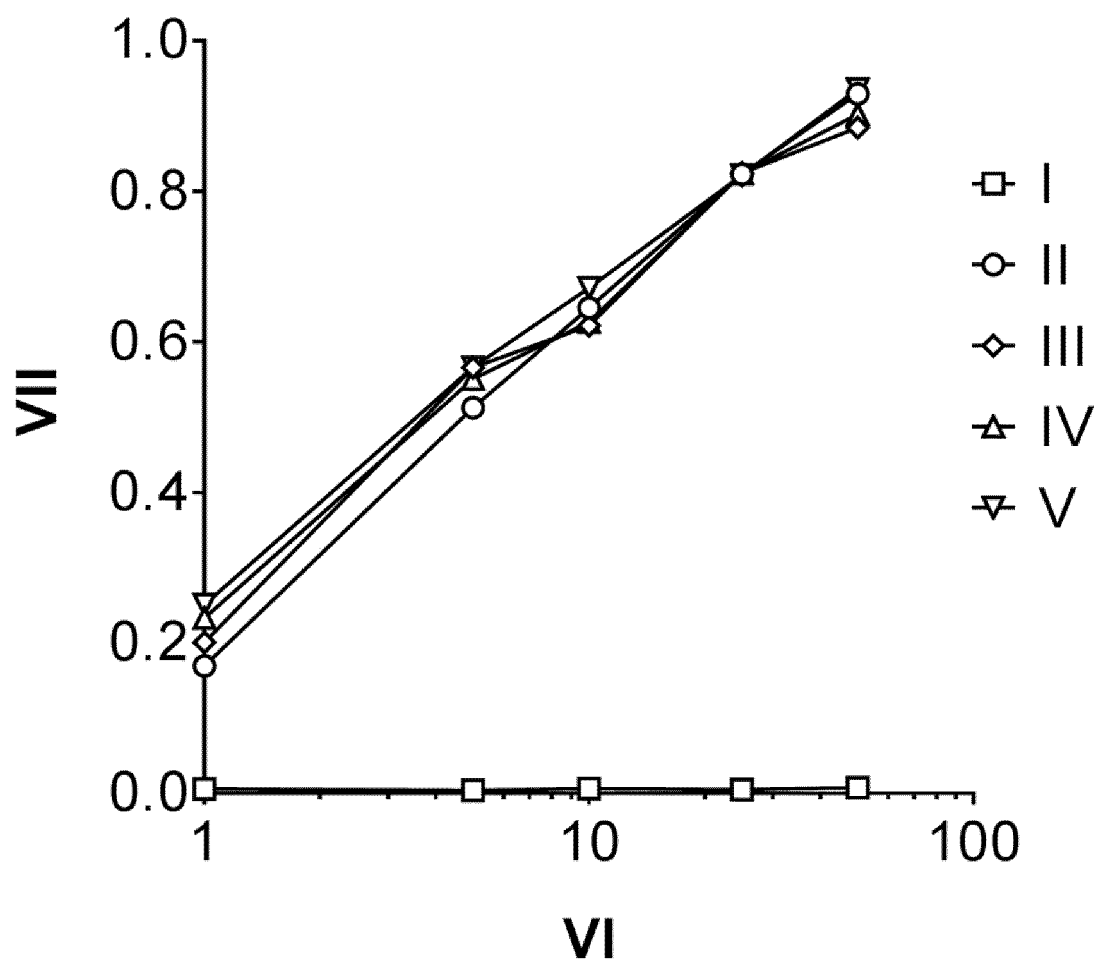
Figure 27

Figure 28

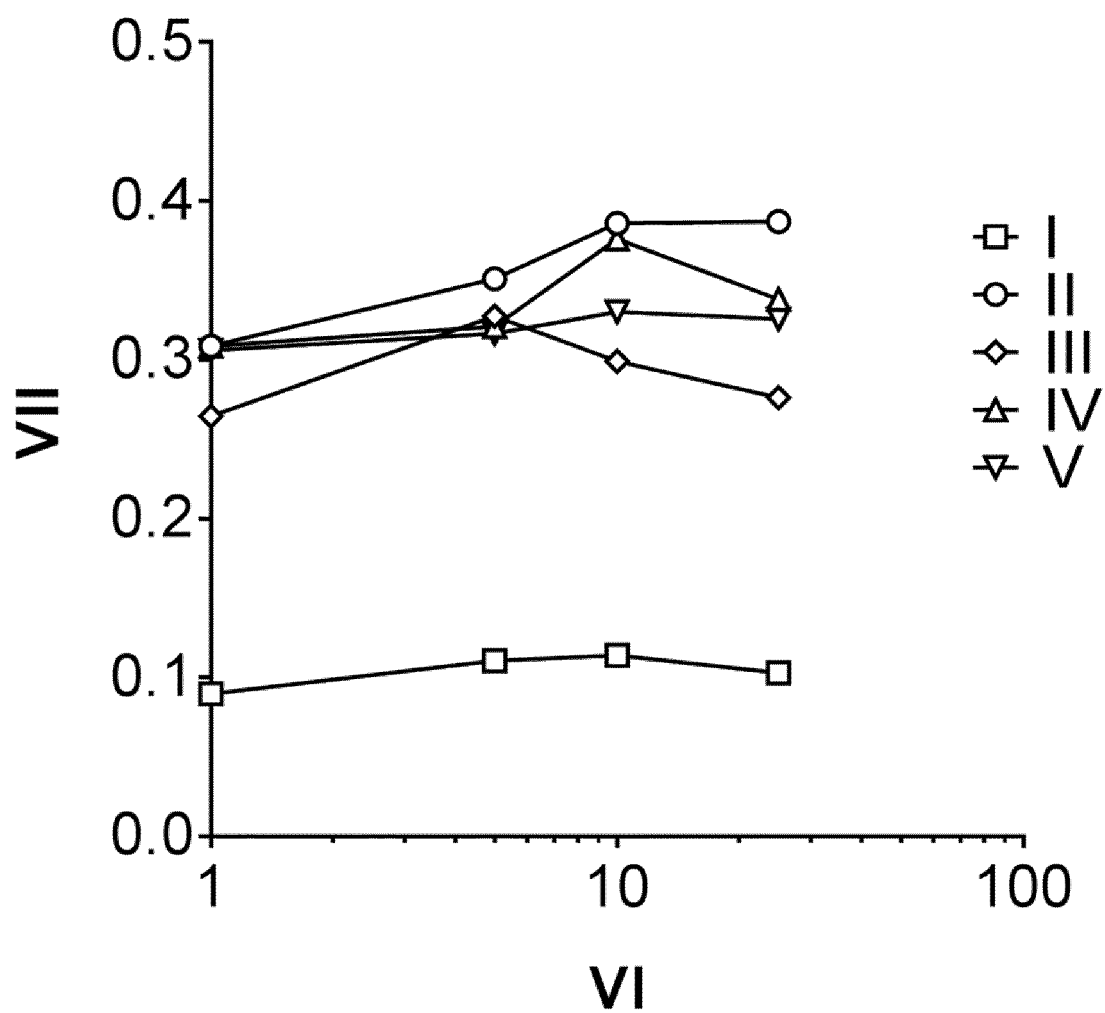


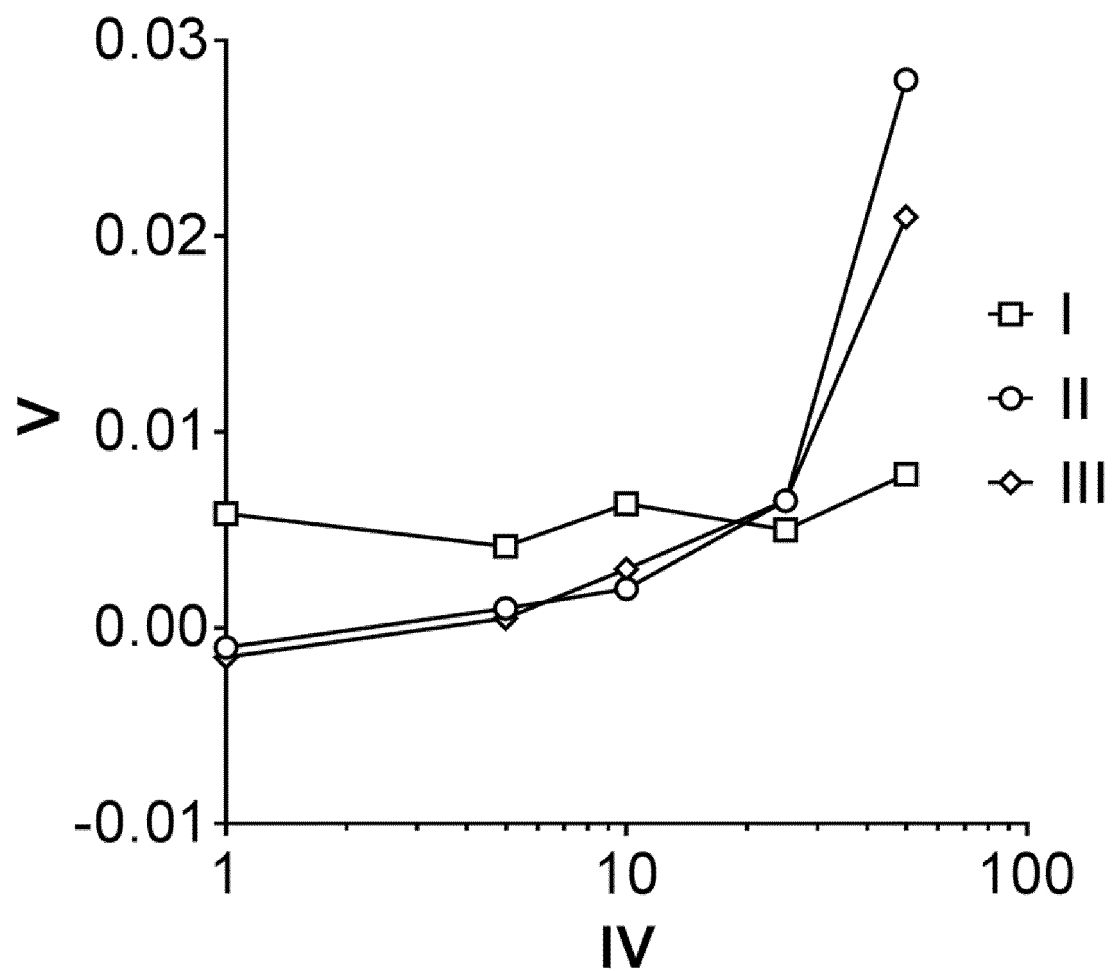
Figure 29

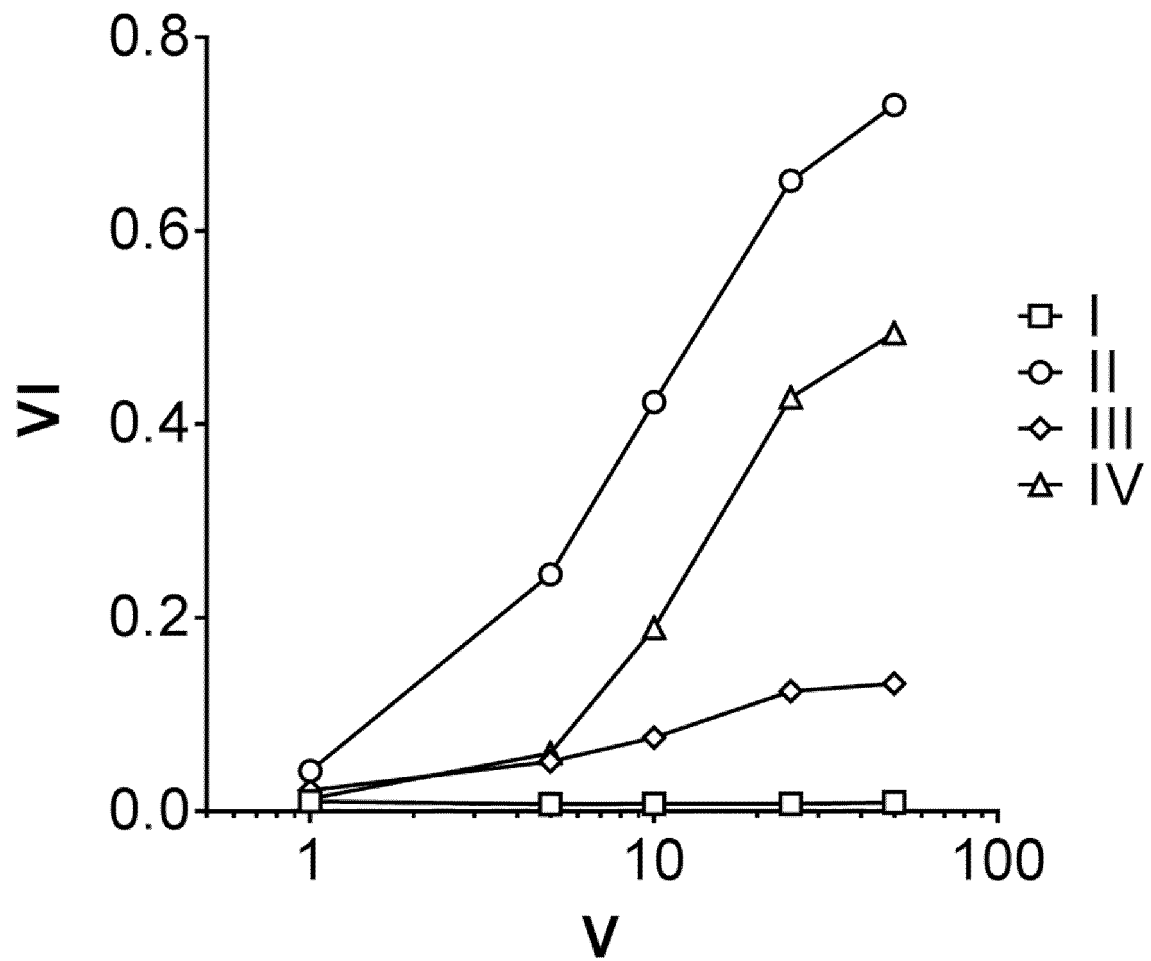
Figure 30

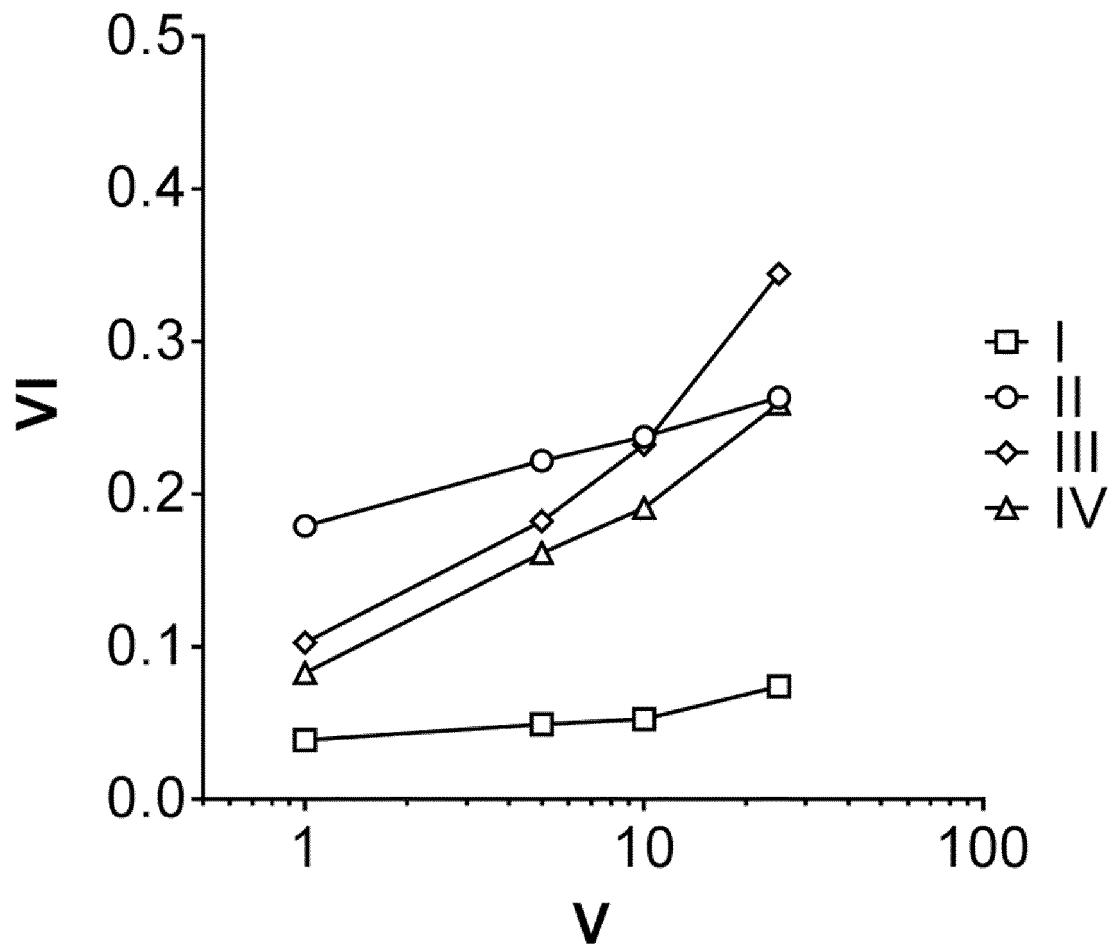
Figure 31

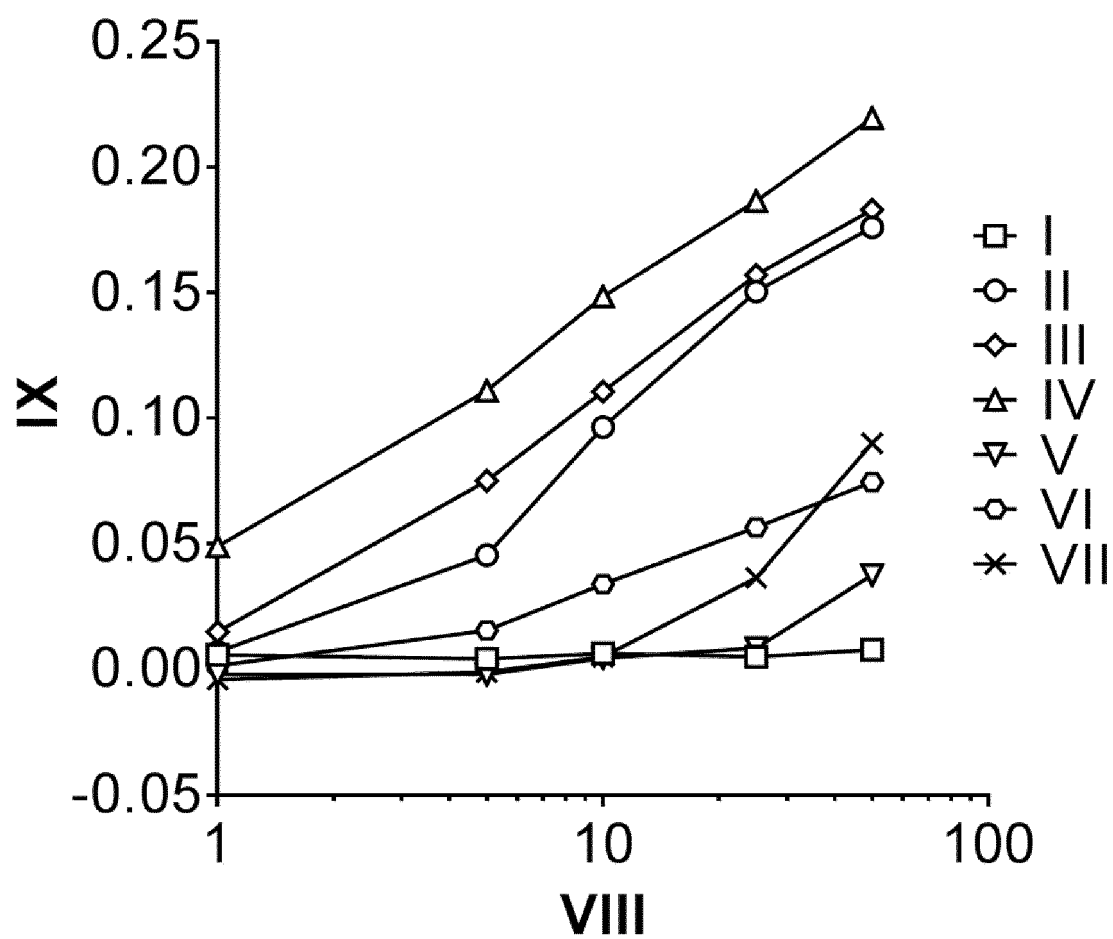
Figure 32

Figure 33

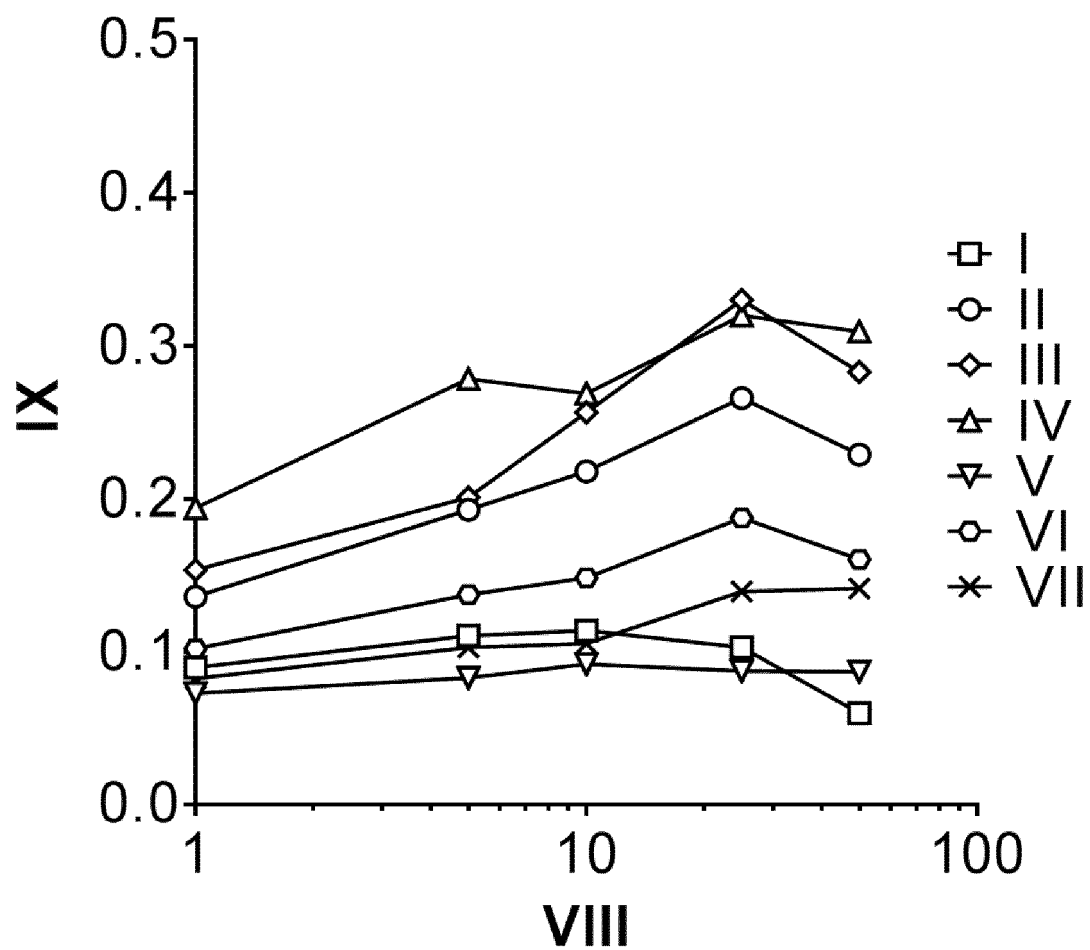


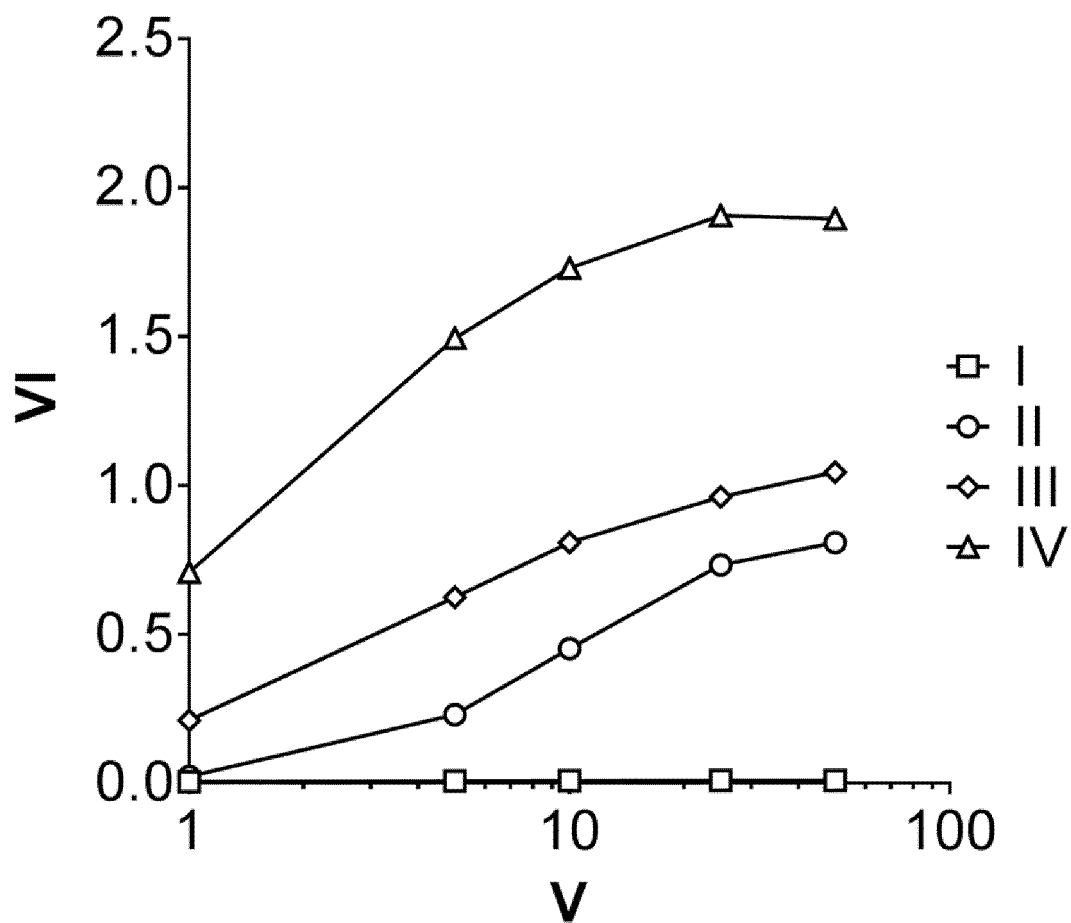
Figure 34

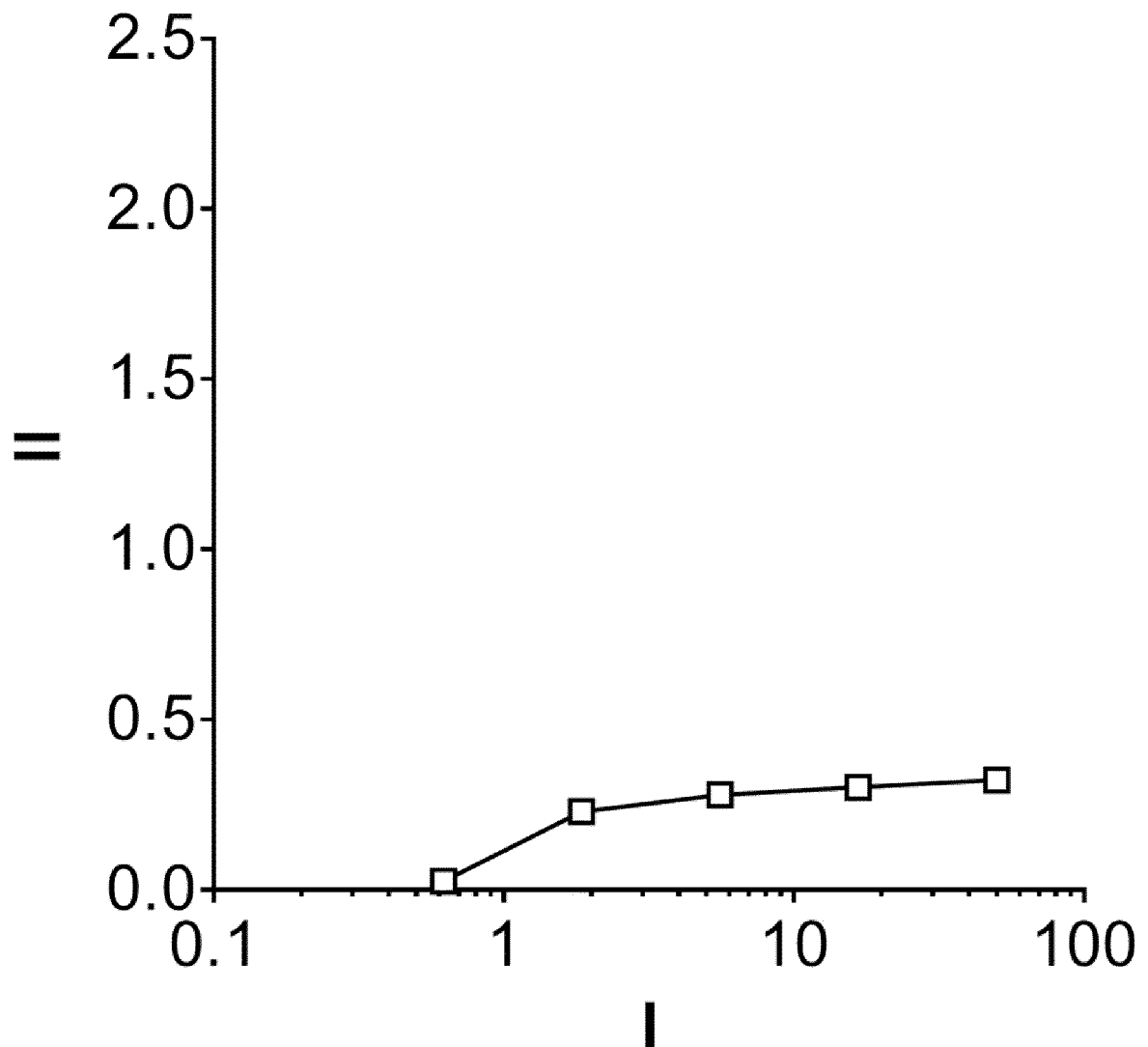
Figure 35

Figure 36

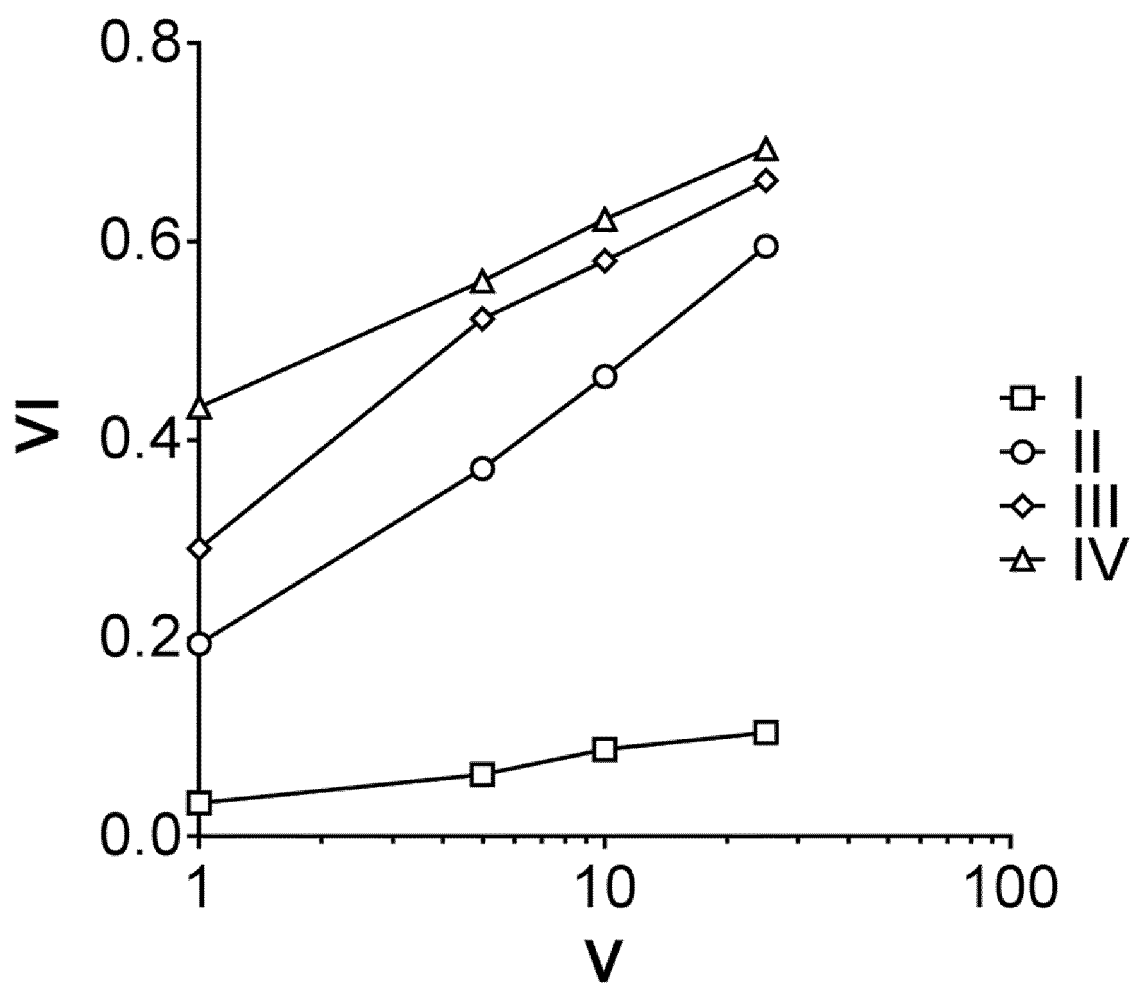


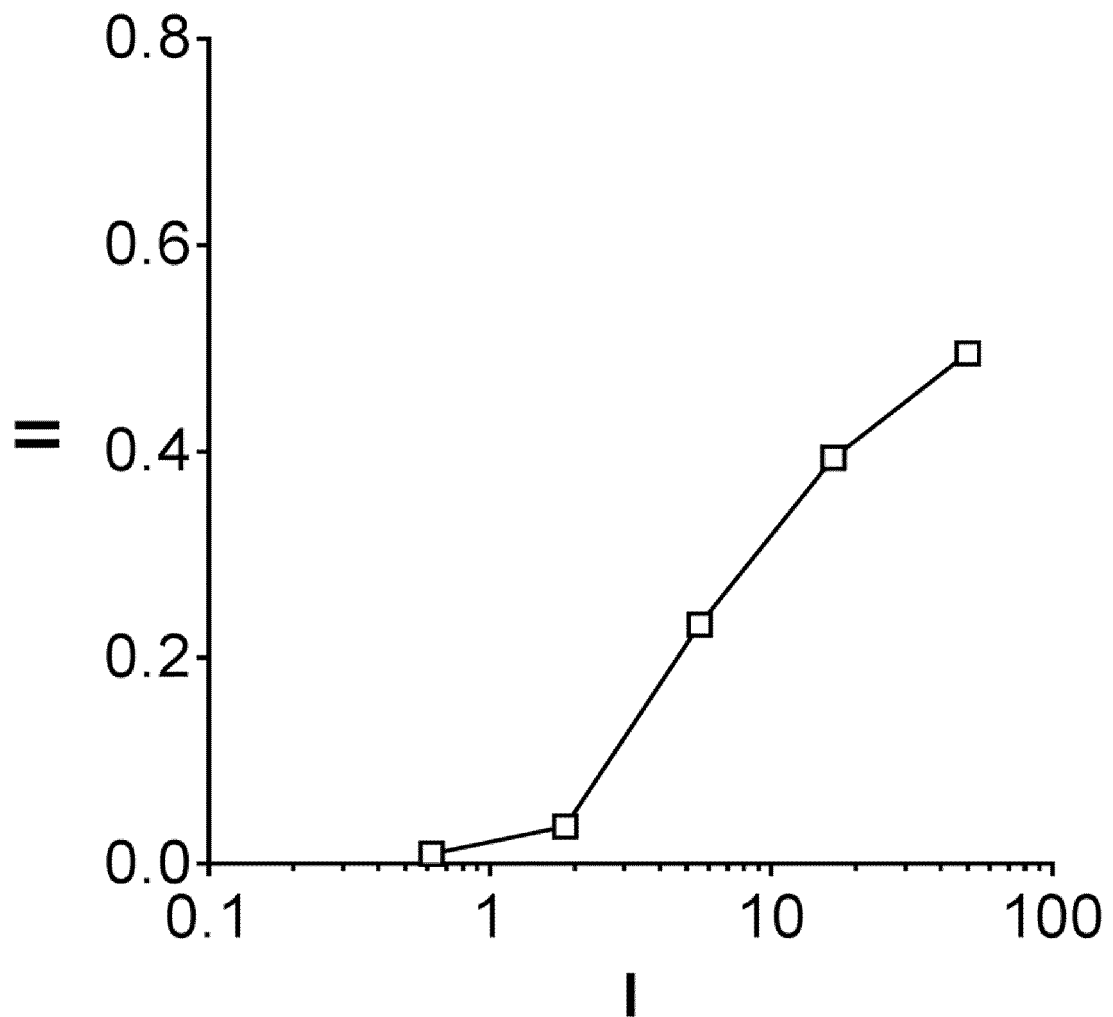
Figure 37

Figure 38

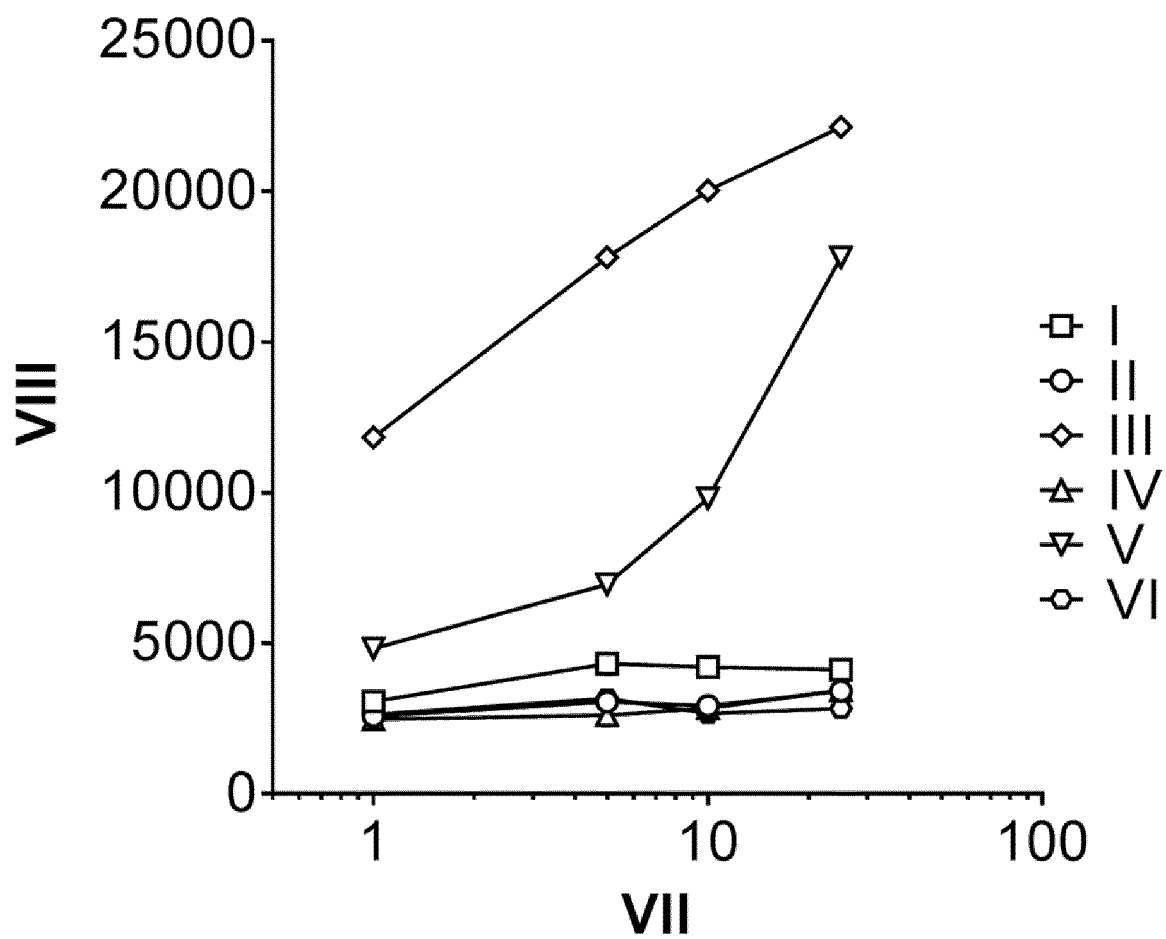


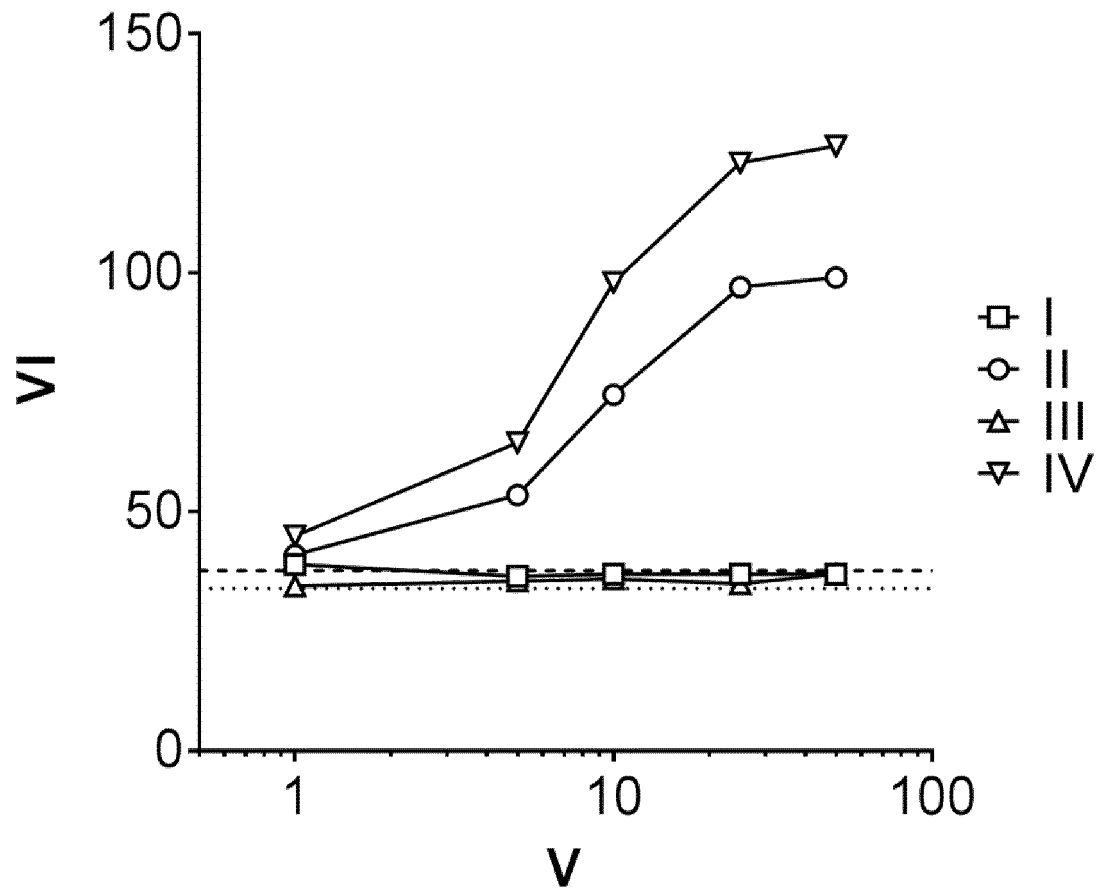
Figure 39

Figure 40

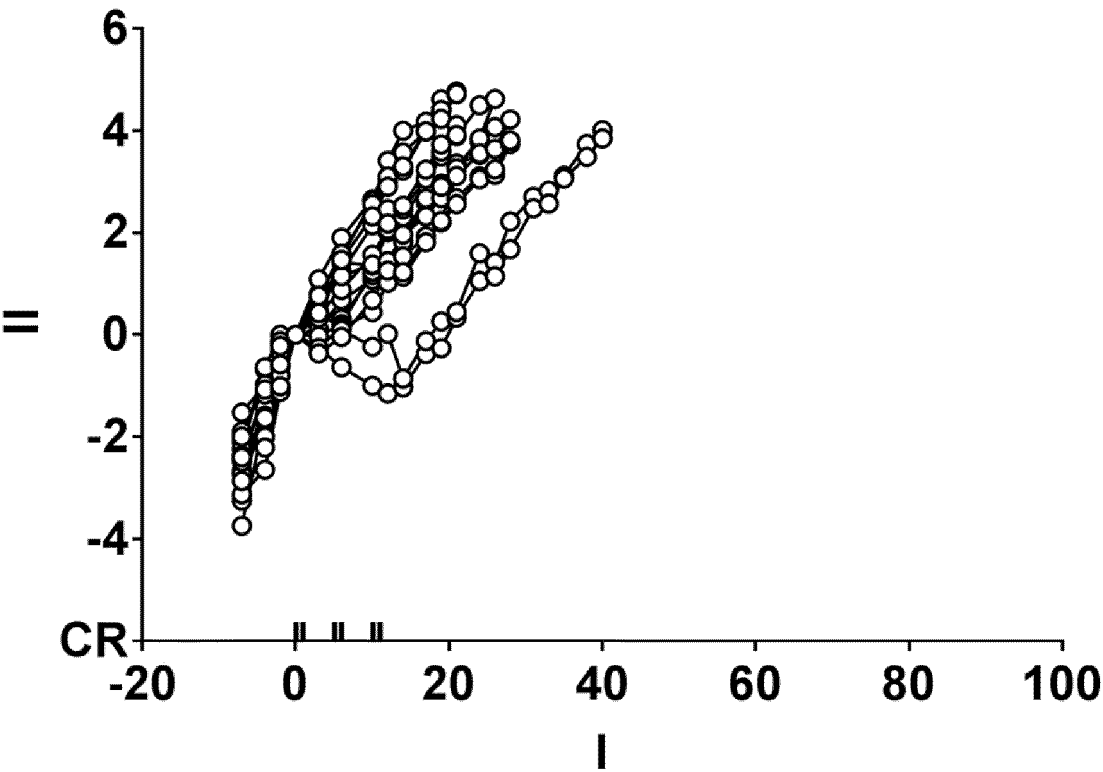


Figure 41

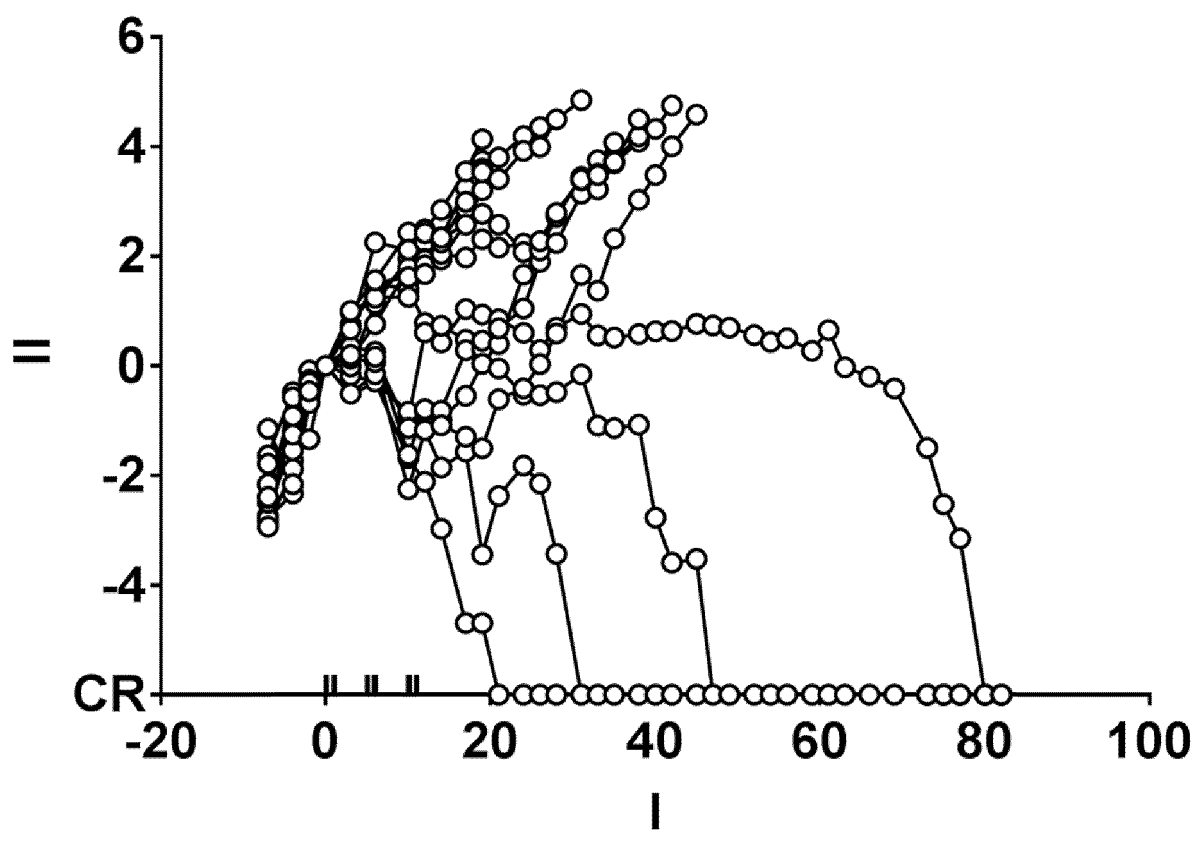


Figure 42

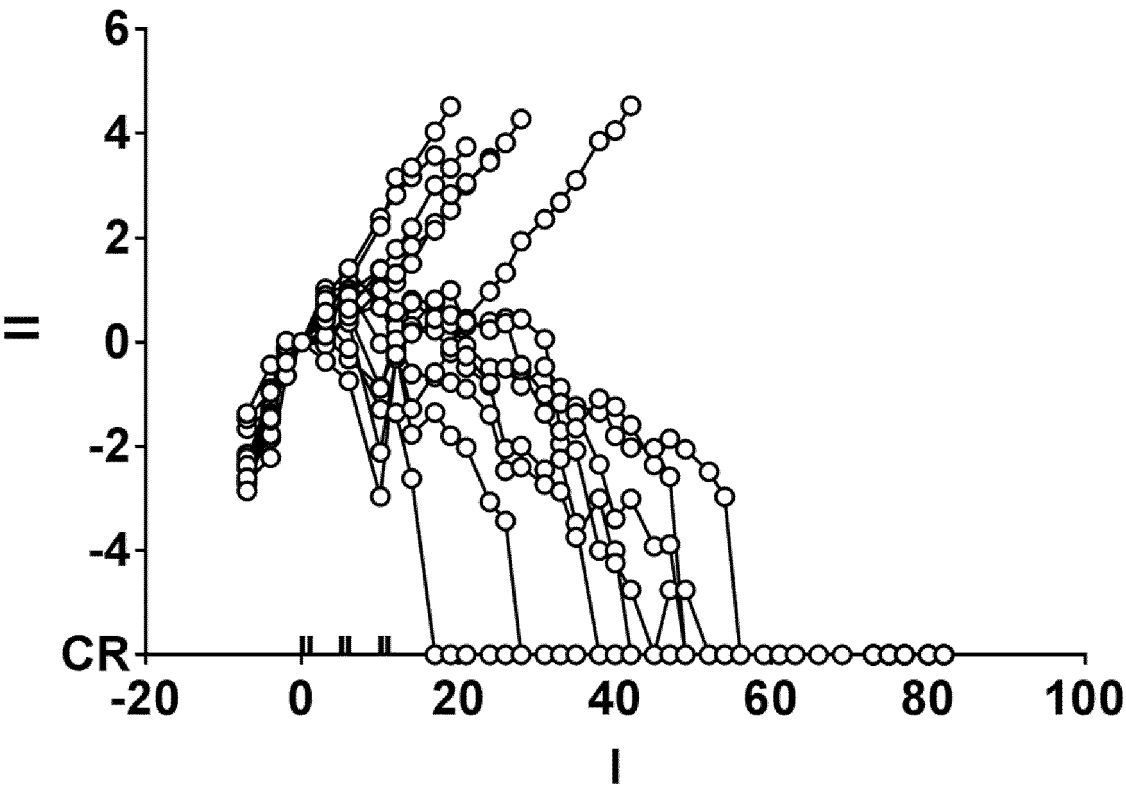


Figure 43

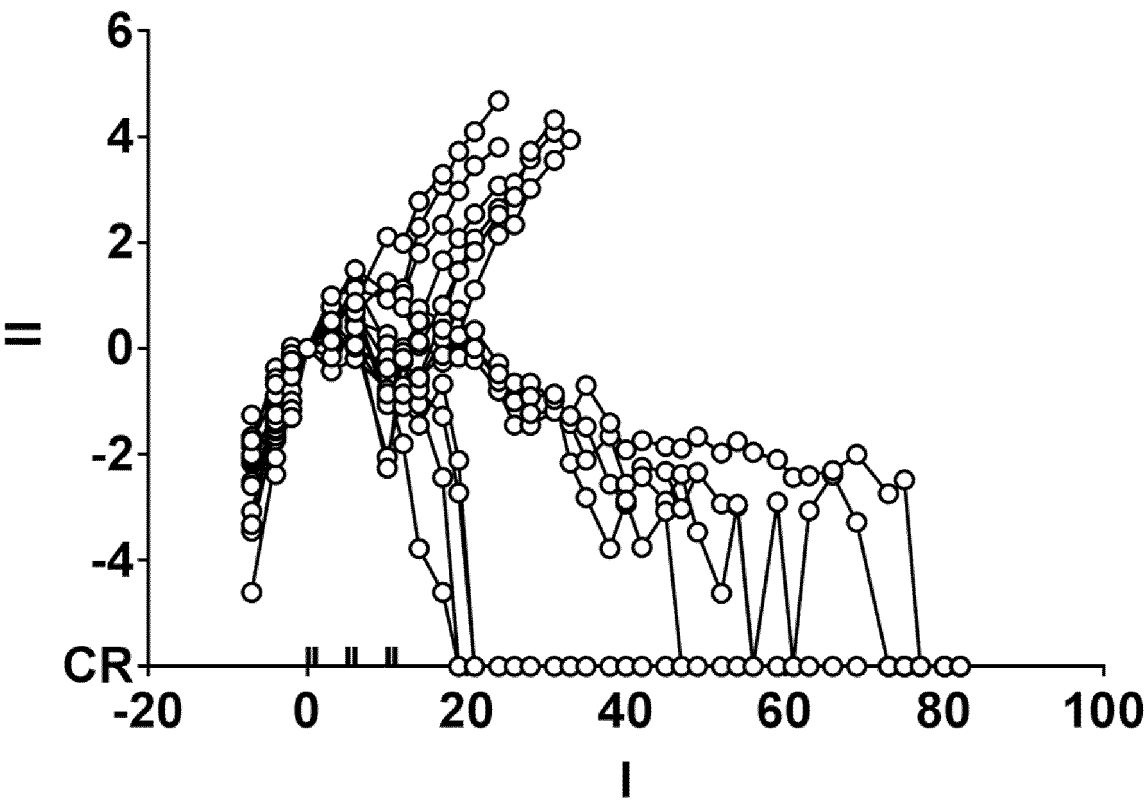


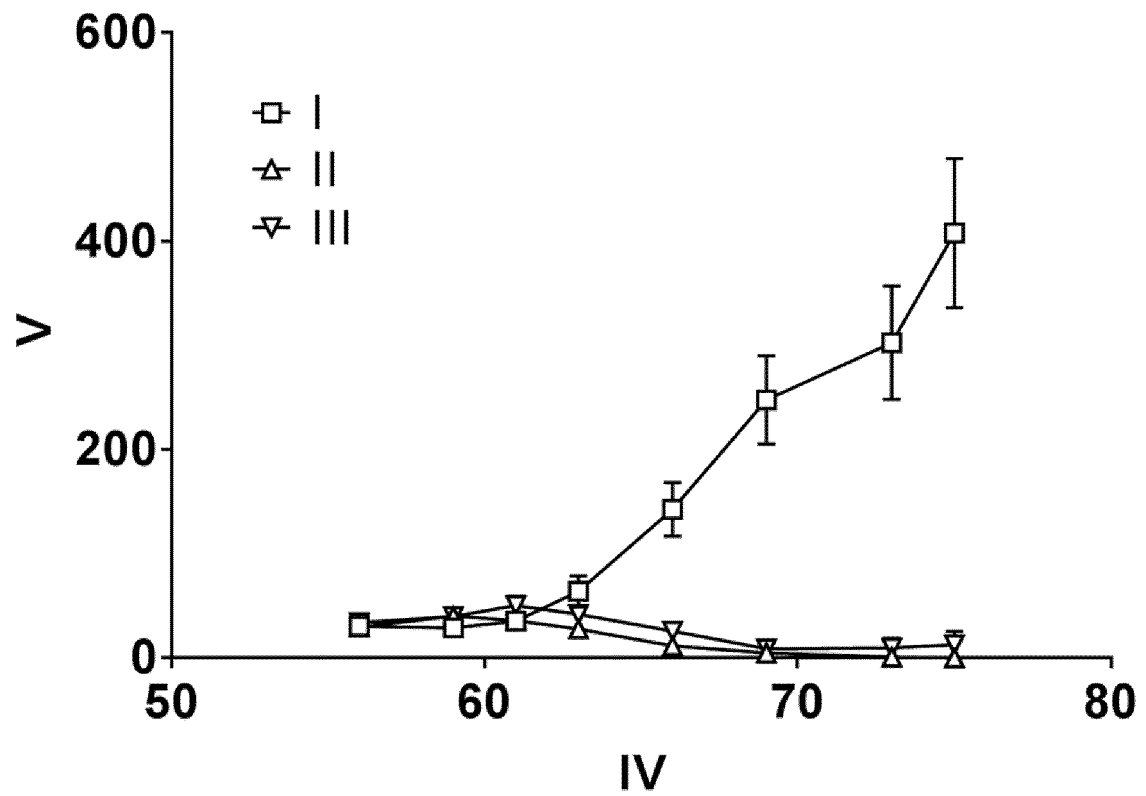
Figure 44

Figure 45

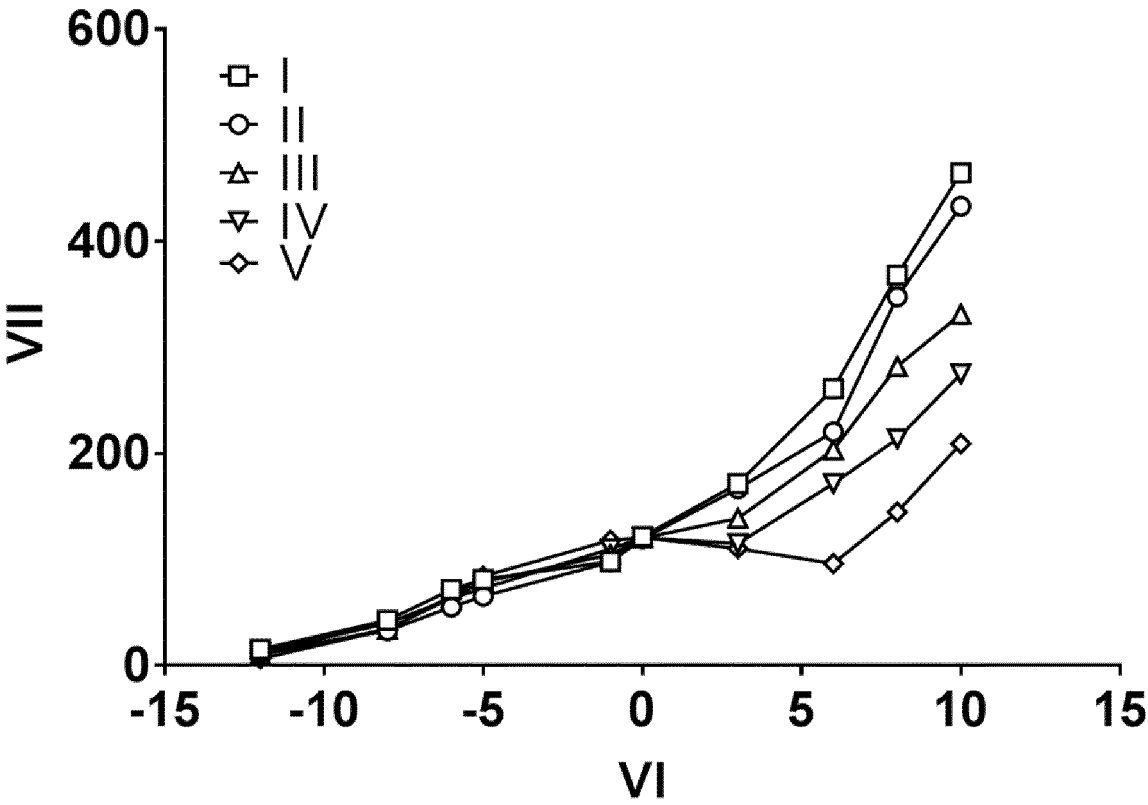


Figure 46

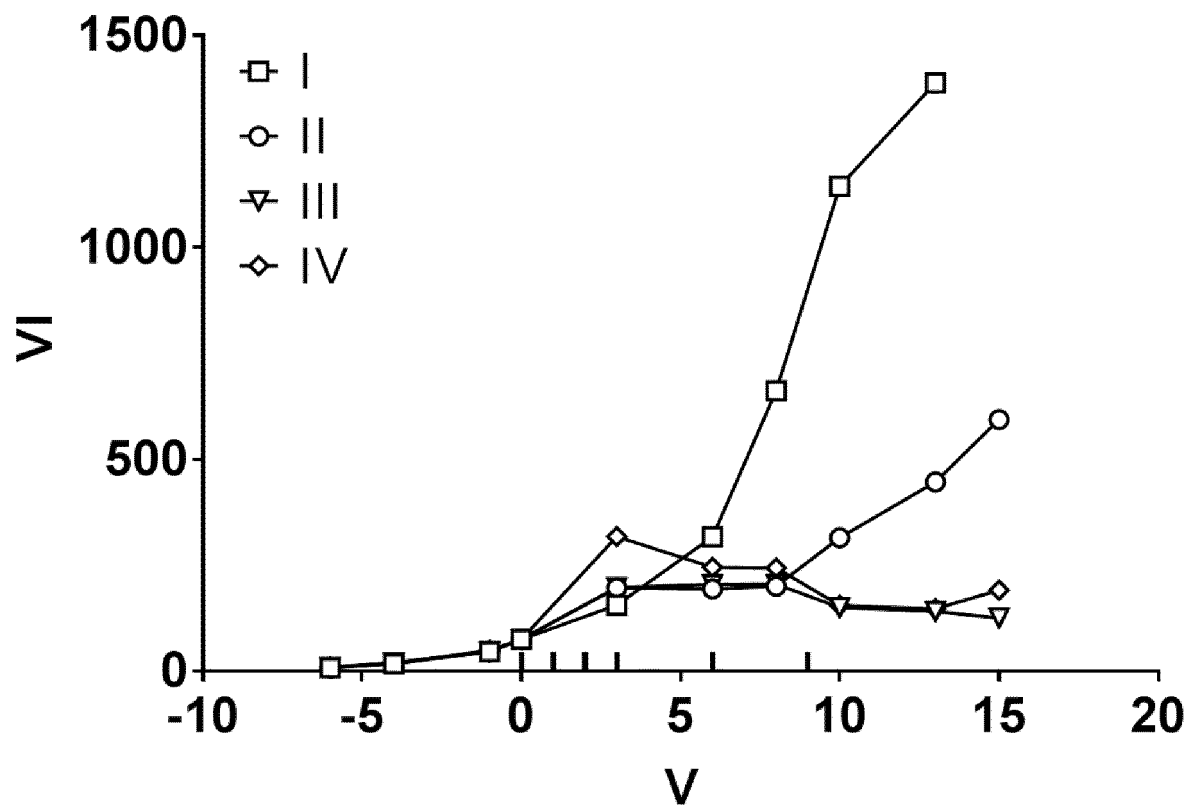


Figure 47

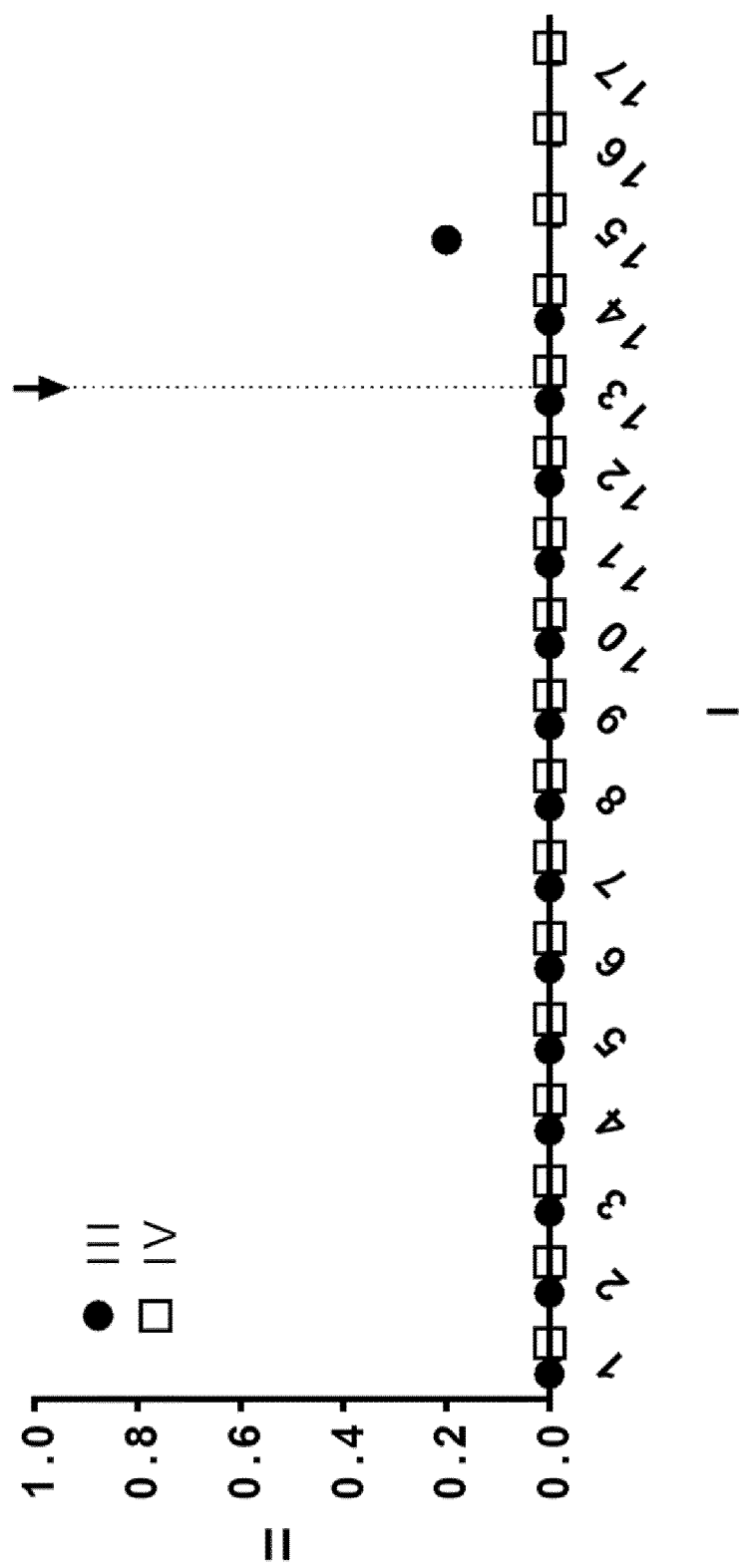


Figure 48

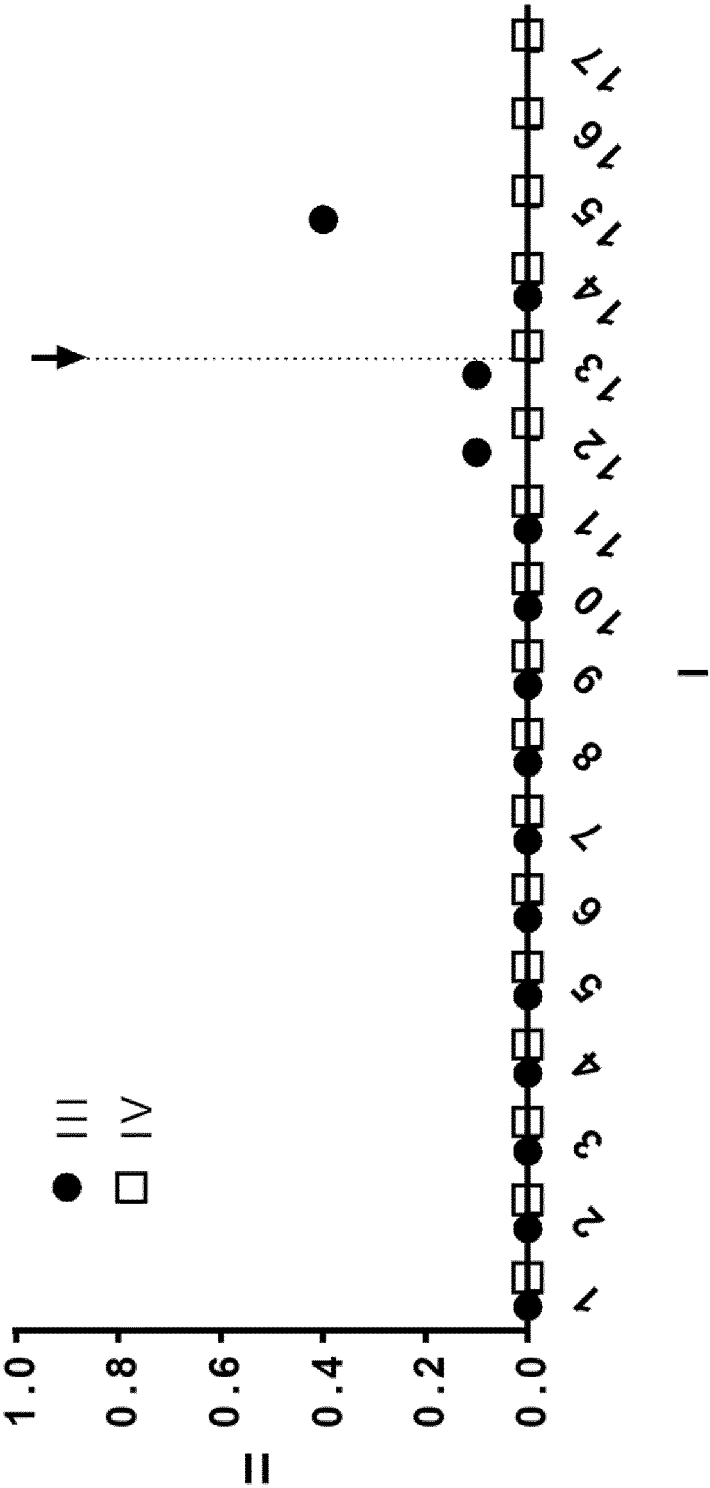


Figure 50

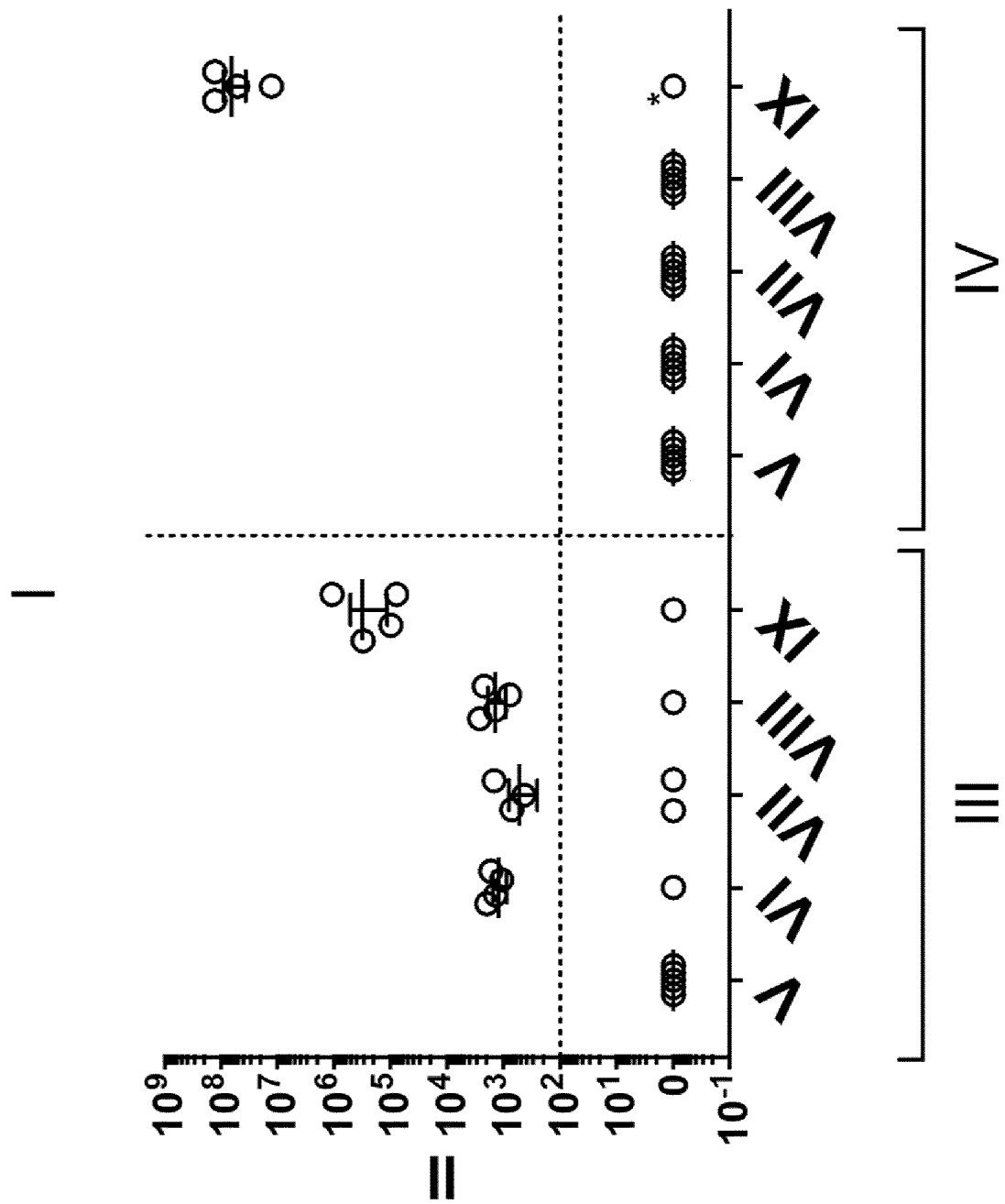


Figure 51

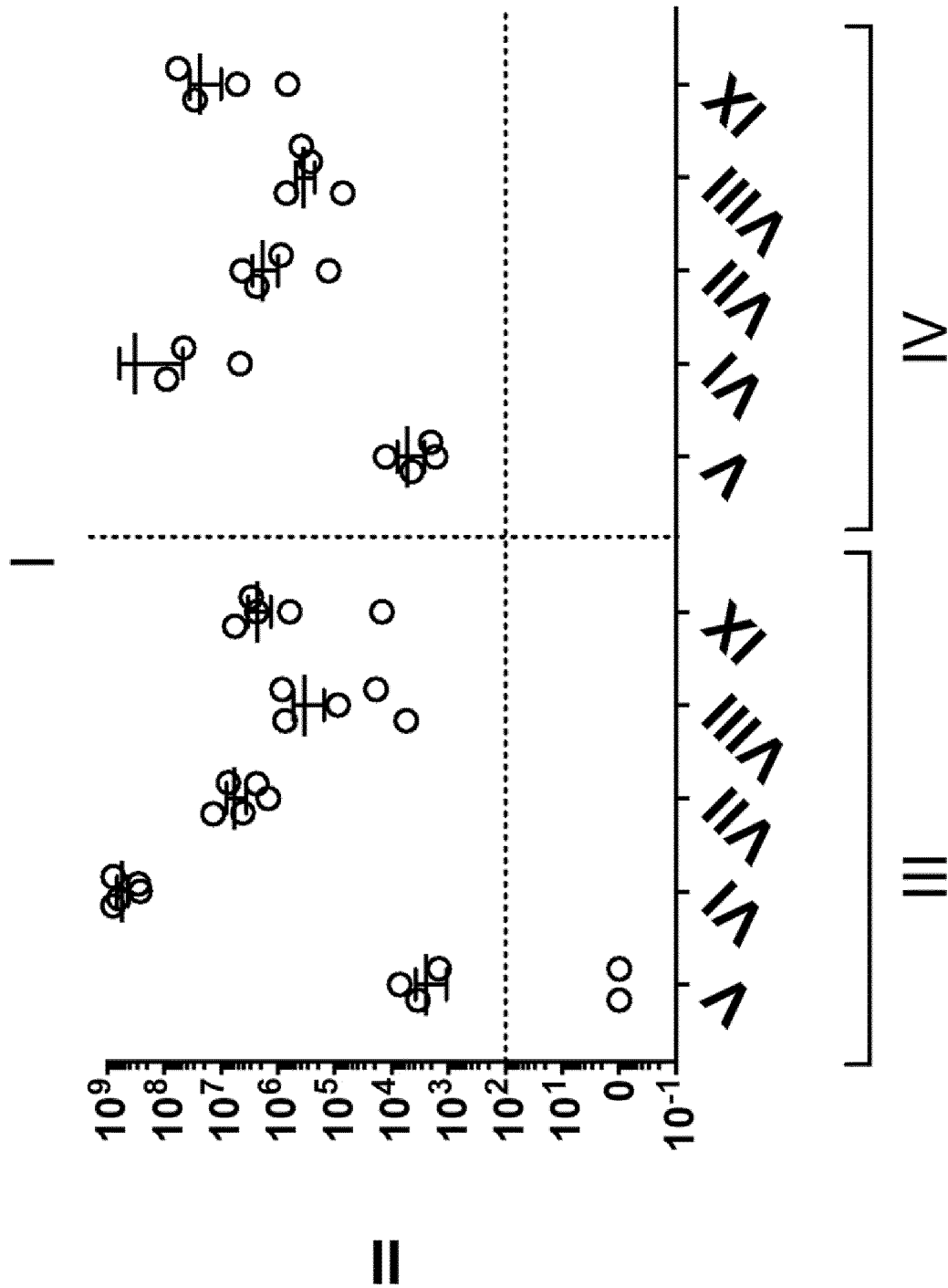


Figure 52

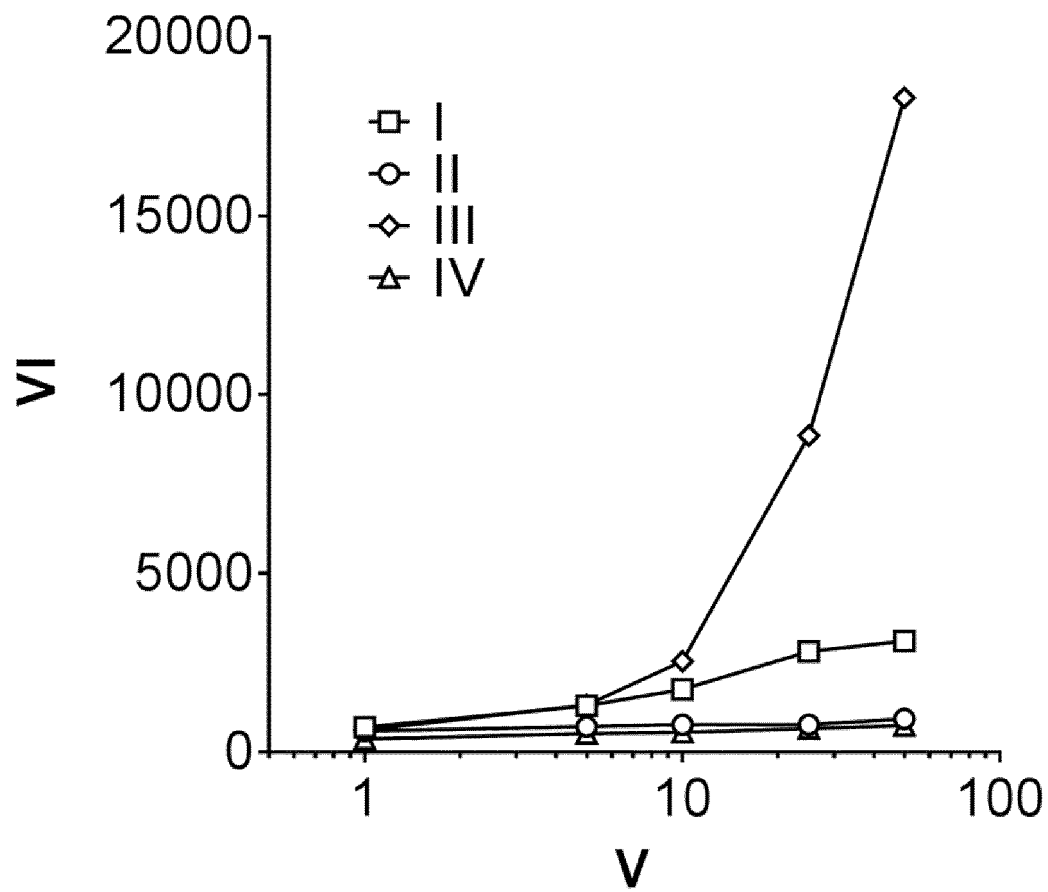


Figure 3A

Strain Name	Background strain	Insert/relevant characteristics	Protein to be delivered by T3SS	Backbone plasmid	Resulting plasmid name	Primers. Si_Nr.:	resistances	Reference
Δ HOPEMT	Y. enterocolitica	MRS40 pIML421 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135]					Nal	Iriarte and Cornelis, 1998
Δ HOPEMT asd yopB	Y. enterocolitica Δ yopH,O,P,E,M,T	MRS40 pIML421 [yopB Δ 89-217, yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135]					Nal Kan	
Δ HOPEMT asd	Y. enterocolitica Δ yopH,O,P,E,M,T	MRS40 asd Δ 292-610 pIML421 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135]					Nal	Kudryashev et al., 2013
Δ HOPEMT asd inv	Y. enterocolitica Δ yopH,O,P,E,M,T	MRS40 asd Δ 292-610 invA Δ 352-2225::aphA-3 pIML421 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135]				445/446, 447/448, 449/450	Nal Kan	
Δ HOPEMT asd inv yadA	Y. enterocolitica Δ yopH,O,P,E,M,T Δ invA Δ yadA	MRS40 asd Δ 292-610 invA Δ 587-836 (vector cointegration) yadA Δ 89-354::aphA3 pIML421 [yopH Δ 1-352, yopO Δ 65-558, 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
Δ HOPEMT asd pBad_Si1	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T Δ asd	EGFP (Arabinose inducible), SycE-YopE1-138-MycHis fragment		pBad- MycHisA (Invitrogen)	pBad_Si_1	285/286 (EGFP), 287/288 (sycE- YopE1- 138)	Nal Amp	
Δ HOPEMT asd pBad_Si2	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T Δ asd	SycE-YopE1-138-MycHis fragment	YopE1- 138- MycHis	pBad- MycHisA (Invitrogen)	pBad_Si_2	287/288 (sycE- YopE1- 138)	Nal Amp	
Δ HOPEMT asd pSi_85	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T Δ asd		YopE1- 138-Bid	pBad_Si_2	pSi_85	387/391	Nal Amp	
Δ HOPEMT asd pSi_87	<i>Y. enterocolitica</i> Δ yopH,O,P,E,M,T Δ asd		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.:	resistances	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	pSi_357	733/735	Nal Amp	
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_358	736/738	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_371	733/734	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- enterocolitica codon optimized murine Bax BH3	pSi_358	pSi_373	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 characteristics	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 (M3toL413)	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 asd pYV-asd	Y. enterocolitica Δ yopH,O,P,E ,M,T Δ asd	MRS40 pIML421 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135, pYV-asd]	/	pKNG101	pSi_41 7 (Mutat or)	PCR1: 869/870; PCR2: 871/872; PCR3: 873/874; overlapping PCR 869/874	Nal	
Δ HOPEMT asd pBad-asd	Y. enterocolitica Δ yopH,O,P,E ,M,T Δ asd	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>hairpinl</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	pSL_41 (Mutat or)	synthetic construct	Nal	
Δ HOPEMT <i>virF</i> - <i>hairpinl</i> pSi_371	Y. enterocolitica Δ yopH,O,P,E ,M,T Δ <i>virF</i> - <i>hairpinl</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	Resulting plasmid name	Primers. Si Nr.:	resistances	Reference
Δ HOPEMT pYV-YopE ₁₋₁₃₈ ⁻ murine tBID BH3	Y. enterocolitica Δ yopH,O,P,E,M, _T	MRS40 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::tBID BH3]	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSL_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 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::tBID BH3] ₂	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSL_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 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135 yopE::tBID BH3) ₂ virF Δ -111 - -57]	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSL_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 [yopH Δ 1-352, yopO Δ 65-558, yopP23, yopE21, yopM23, yopT135, yopE::tBID BH3) ₂ pYV-asd]	YopE ₁₋₁₃₈ ⁻ (tBID BH3) ₂	pKNG10 ₁	pSL_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.:	resistance	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- <i>virF</i>	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- <i>virF</i> pSi_371	Y. enterocolitica Δ yopH,O,P,E,M,T, pYV-pAra- <i>virF</i>	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.:	resistance	Reference
ΔHOPEMT pYV- <i>virF</i> - <i>hairpinI</i> -YopE ₁₋₁₃₈ ⁻ murine RIG-1 CARD domains	Y. enterocolitica ΔyopH,O,P,E, M,T yopE::murine RIG-1 CARD domains	MRS40 [yopHΔ1-352, yopOΔ65-558, yopP23, yopE21, yopM23, yopT135 virFΔ-111 - -57 yopE::RIG-1 CARD domains	YopE ₁₋₁₃₈ ⁻ RIG-1 CARD domains	pKNG101	pSI_441 (Mutator)	synthetic construct	Nal	
ΔHOPEMT Or: ΔHOPEMT asd pSi_521	Y. enterocolitica ΔyopH,O,P,E, M,T (Δasd)		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.:	resistance	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
ΔHOPEMT Or: ΔHOPEMT asd pSi_524	Y. enterocolitica ΔyopH,O,P,E,M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized murine MDA5 two CARD domains (Aa. 1-231)	pBad_Si_2	pSi_524	1025/1026	Nal Amp	
ΔHOPEMT Or: ΔHOPEMT asd pSi_515	Y. enterocolitica ΔyopH,O,P,E,M,T (Δasd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized human cGAS (Aa. 161-522)	pBad_Si_2	pSi_515	synthetic construct	Nε Ar	

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	Y. enterocolitica 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	Y. enterocolitica Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized Anemonae (N. vectensis) cGAS (Aa. 60-422) (Ensembl: A7SFB5.1)	pBad_Si_2	pSi_484	1010/1012	/	
Δ HOPEMT Or: Δ HOPEMT asd pSi_518	Y. enterocolitica Δ yopH,O,P,E,M,T (Δ asd)		YopE ₁₋₁₃₈ -Y. enterocolitica codon optimized Listeria 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	