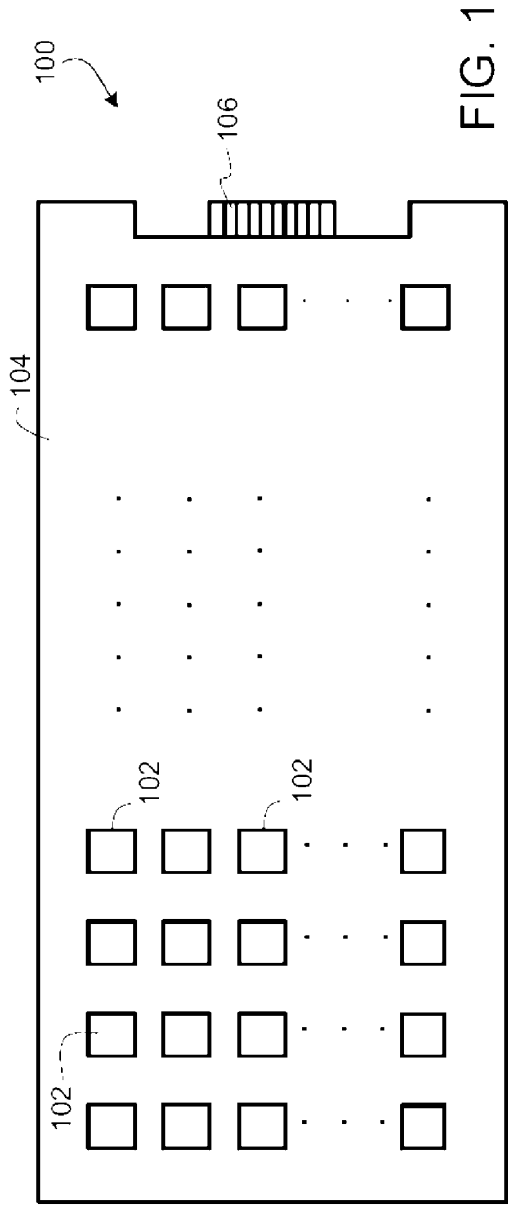


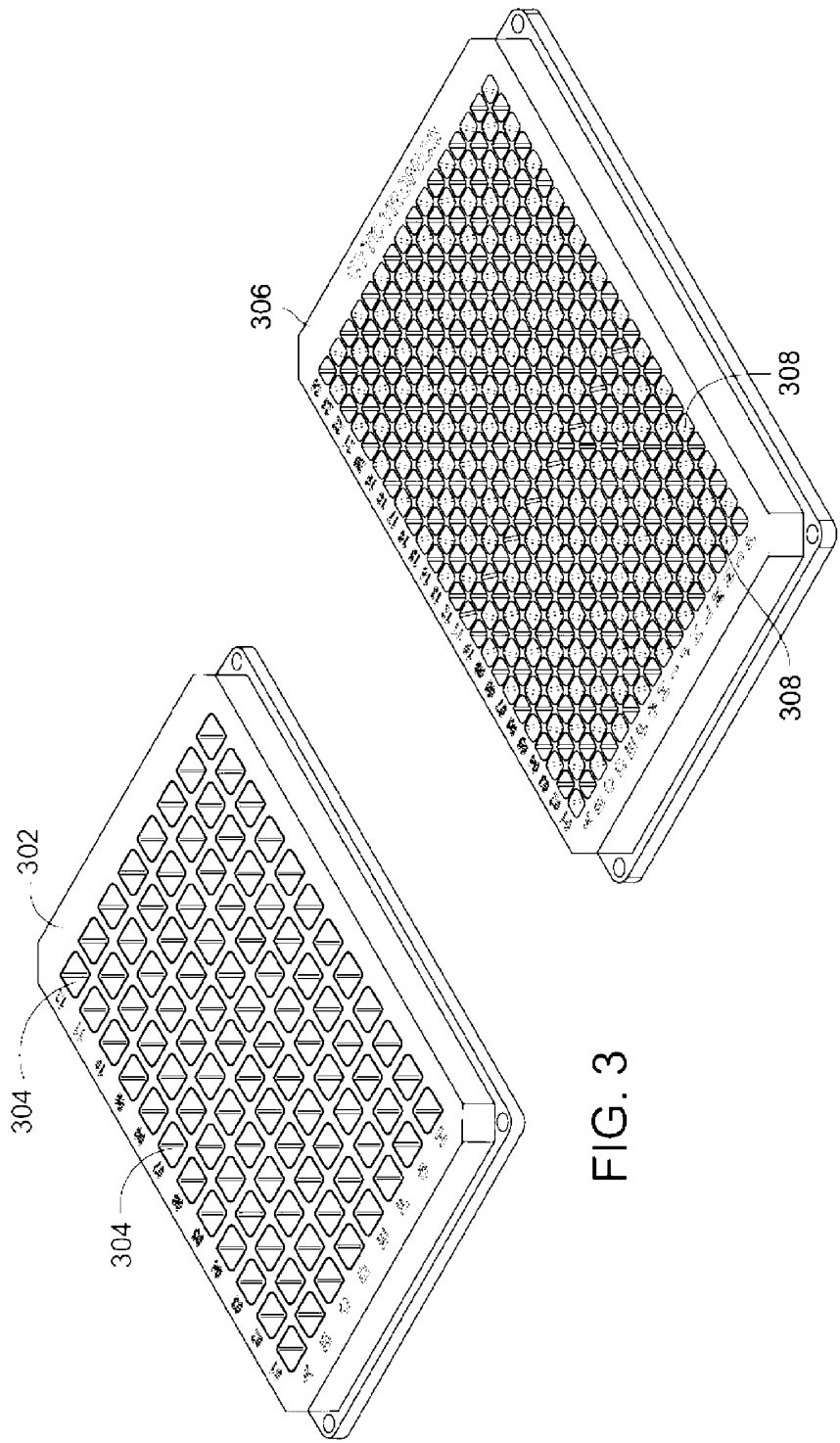


FIG. 4

FIG. 3

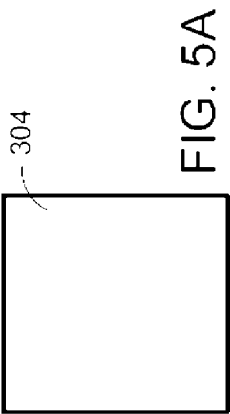


FIG. 5A

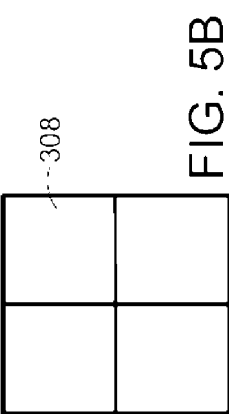


FIG. 5B

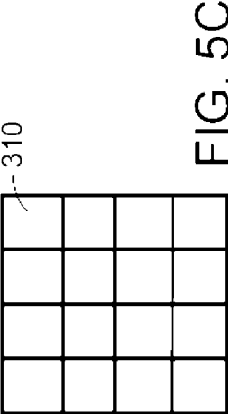


FIG. 5C

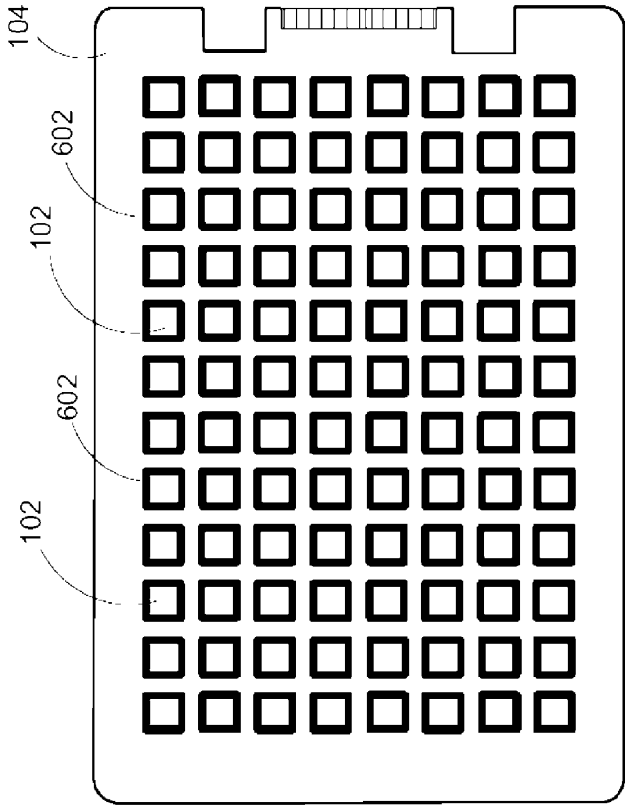


FIG. 6

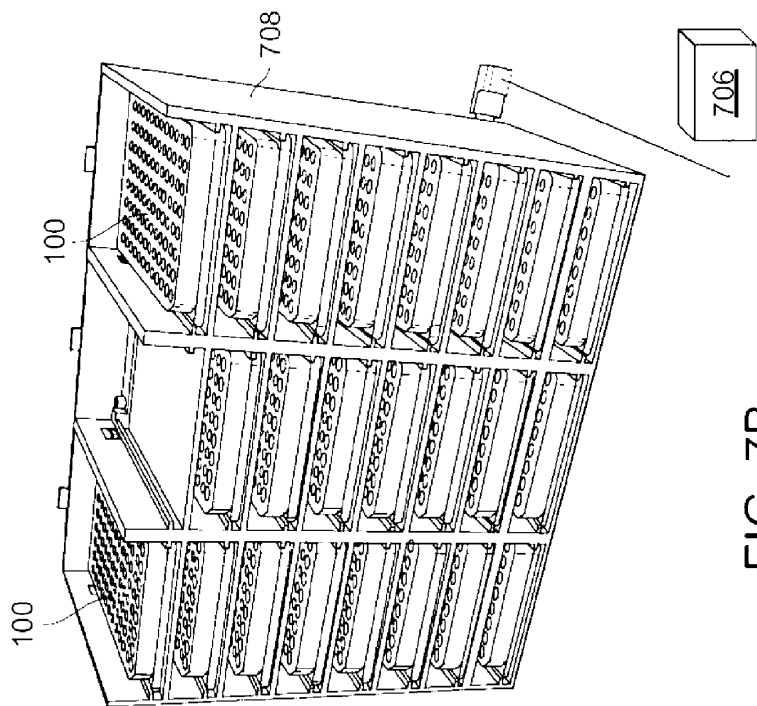


FIG. 7B

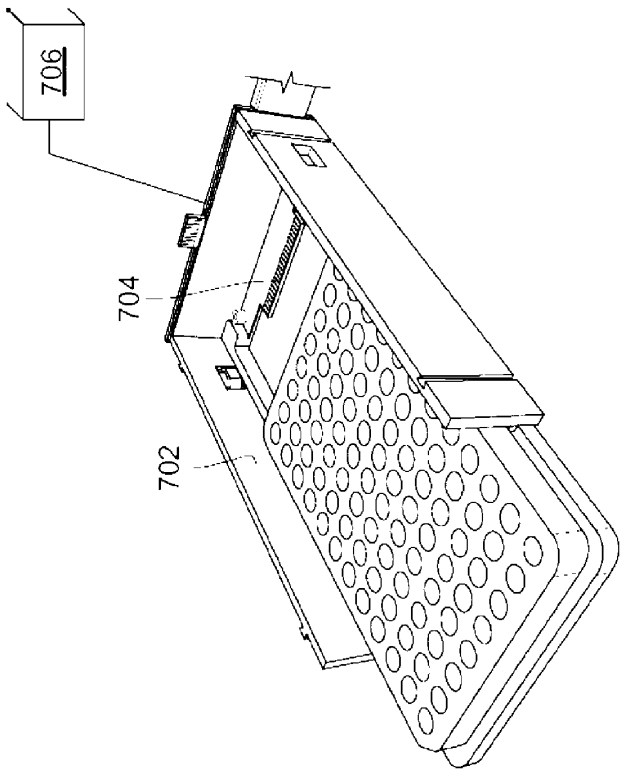
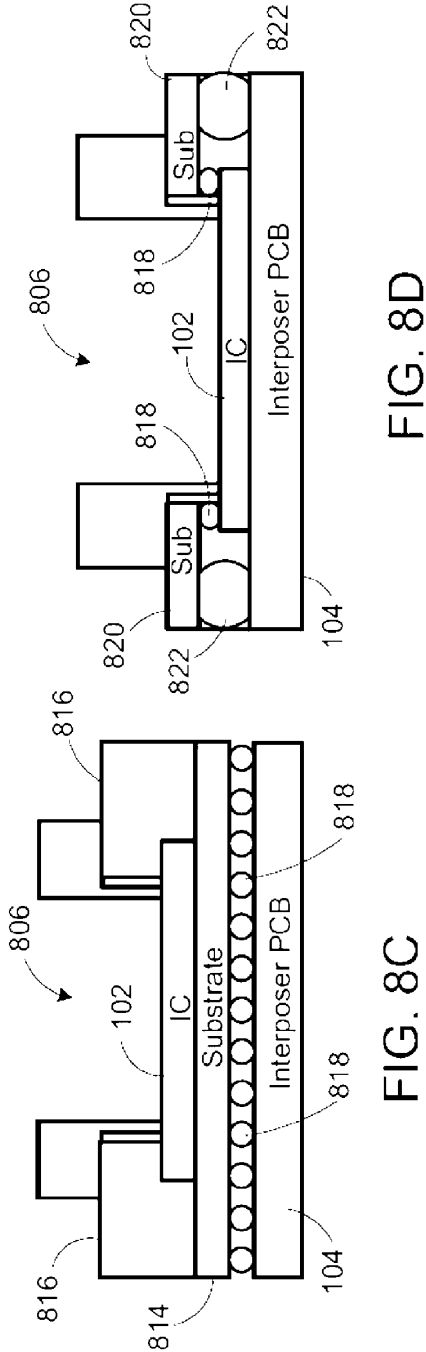
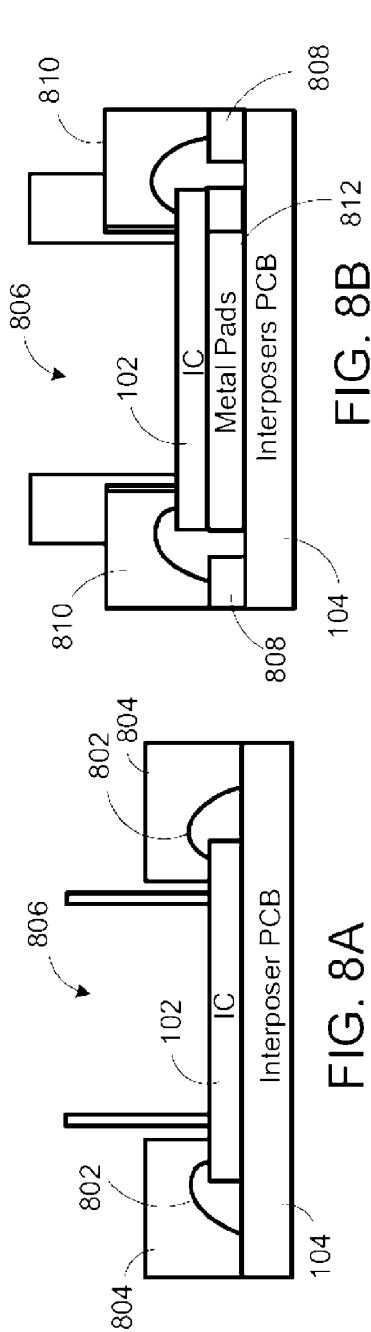


FIG. 7A



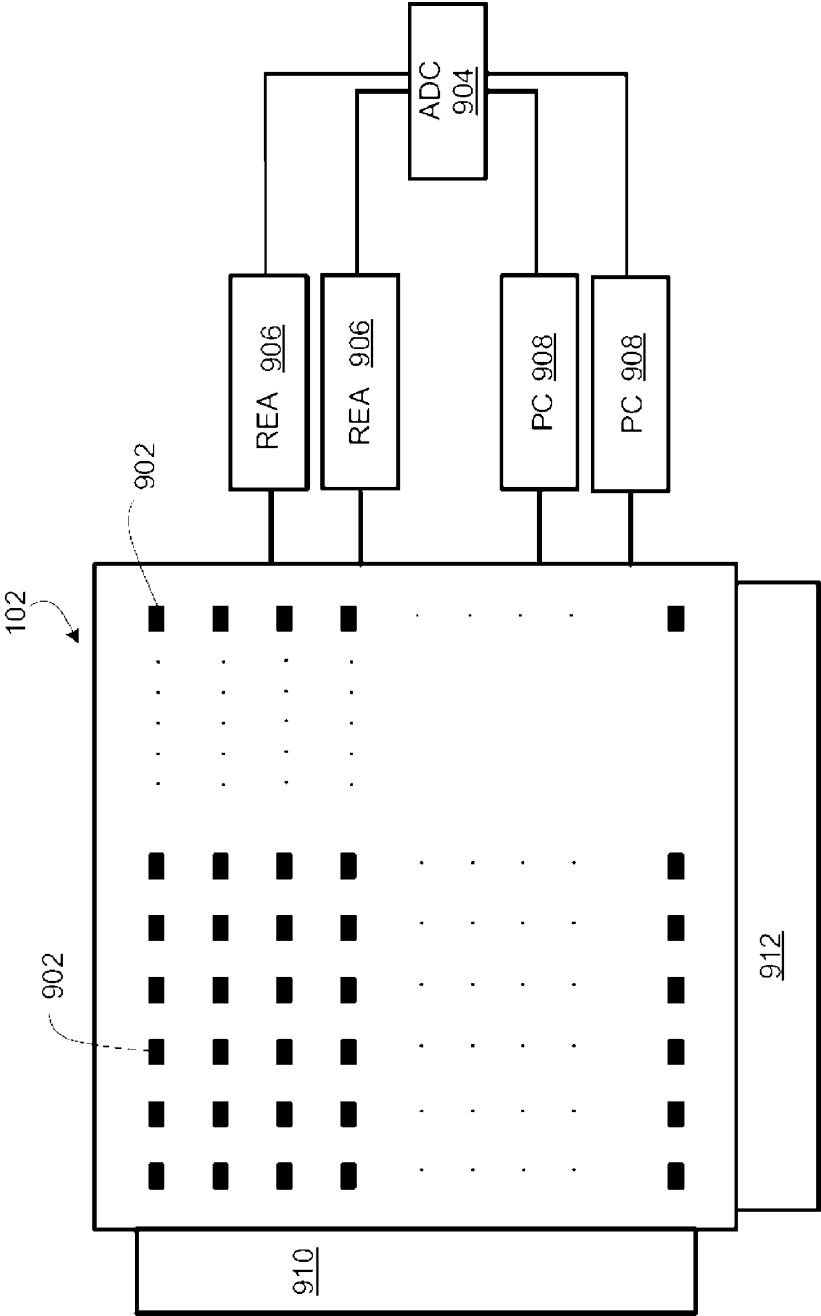


FIG. 9

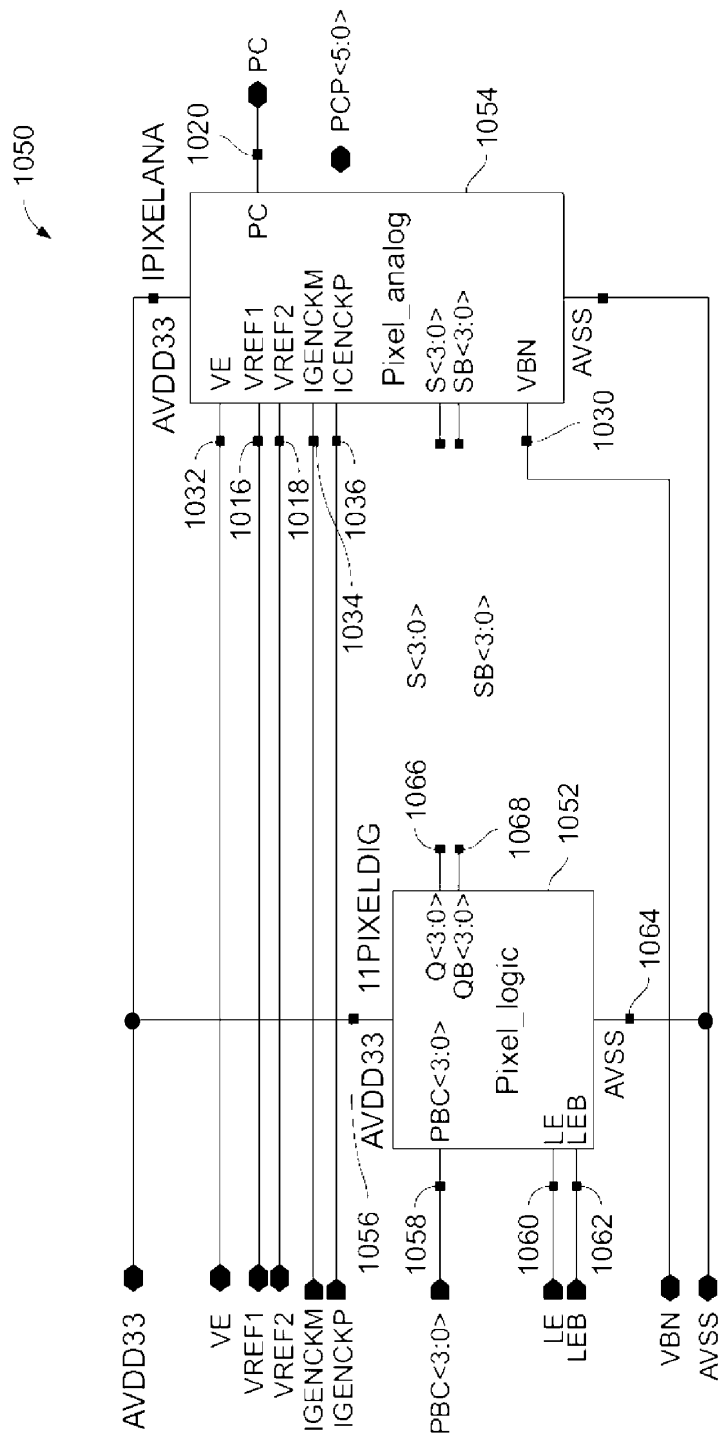


FIG. 10A

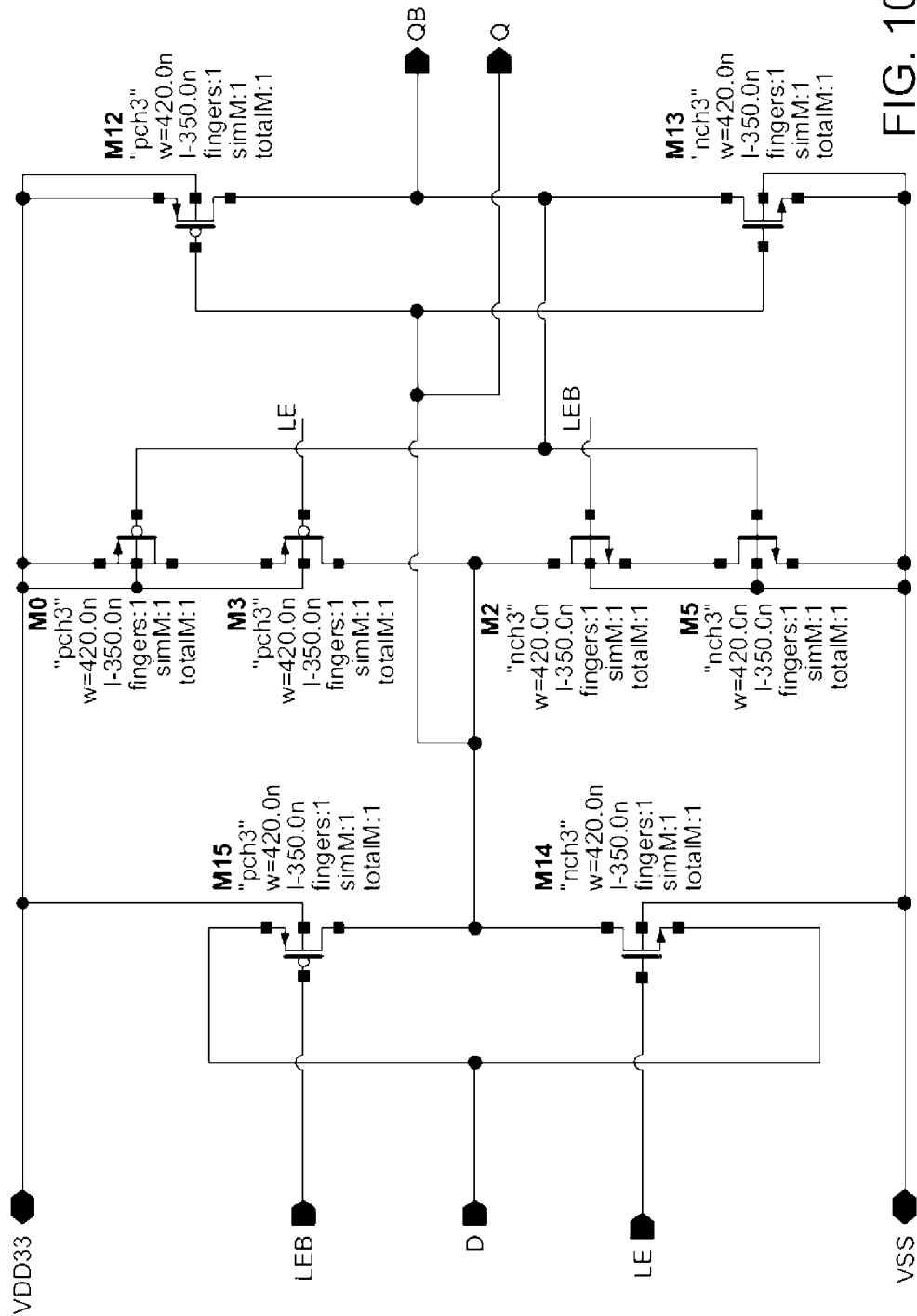


FIG. 10B

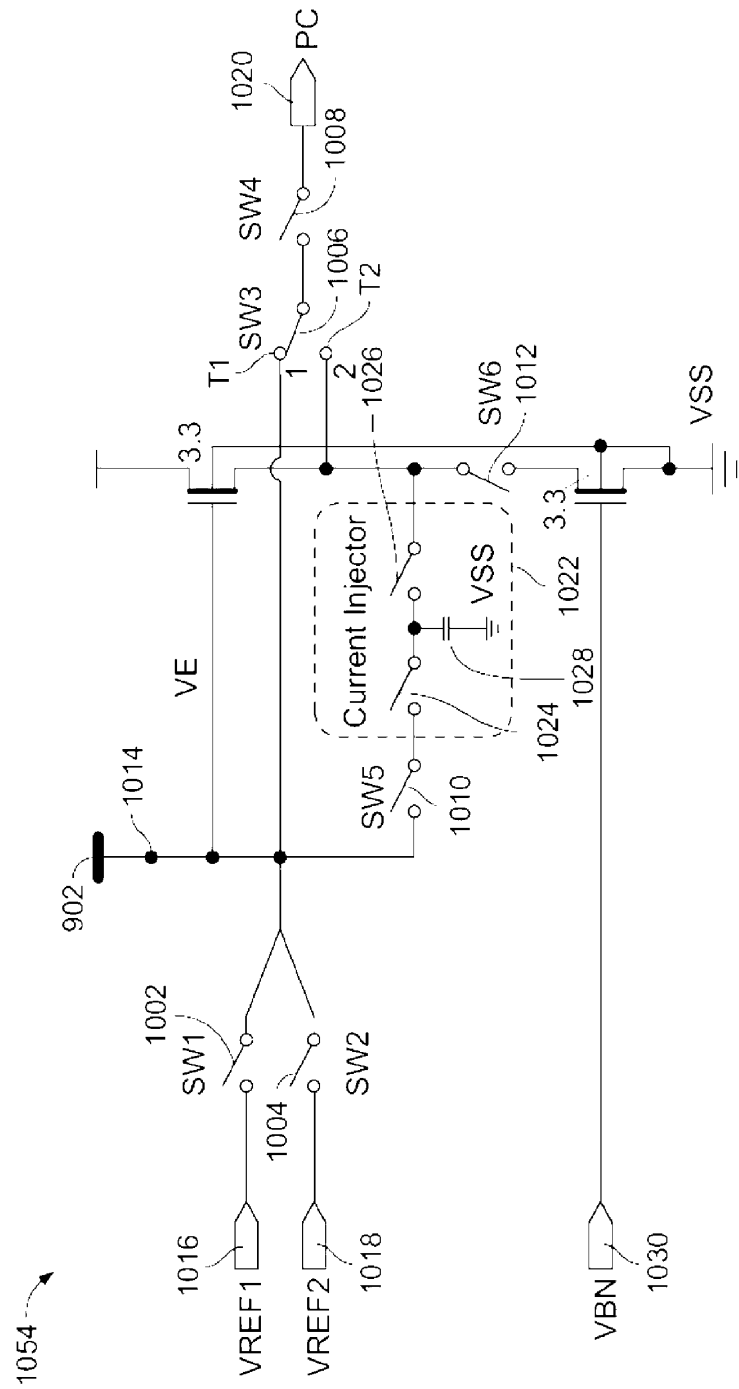


FIG. 10C

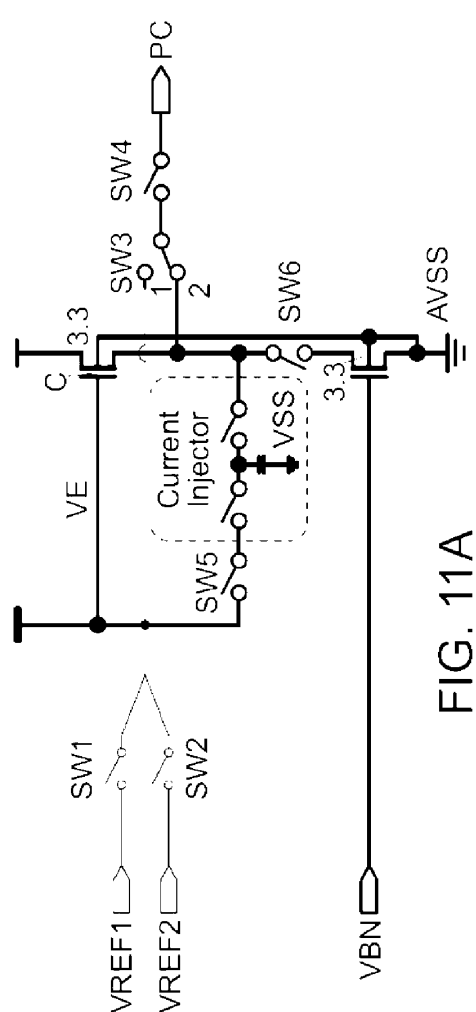


FIG. 11A

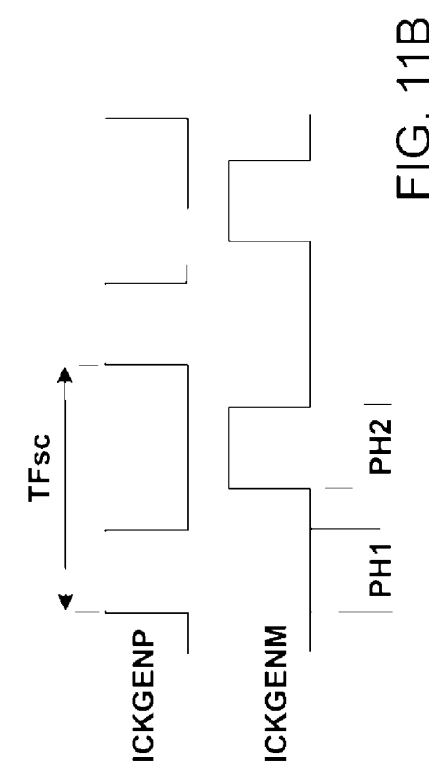


FIG. 11B

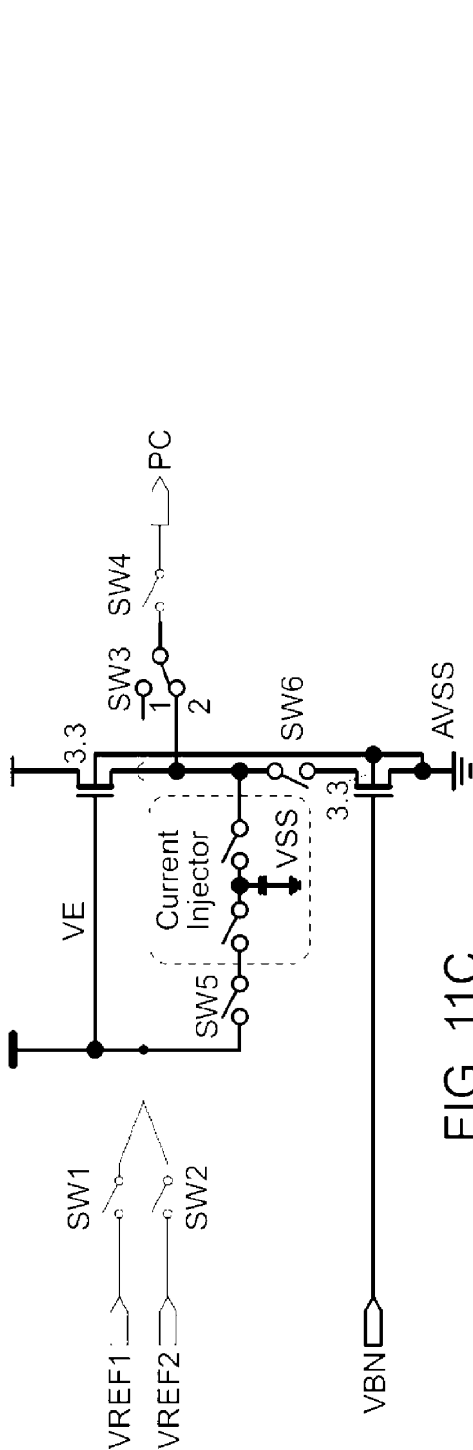


FIG. 11C

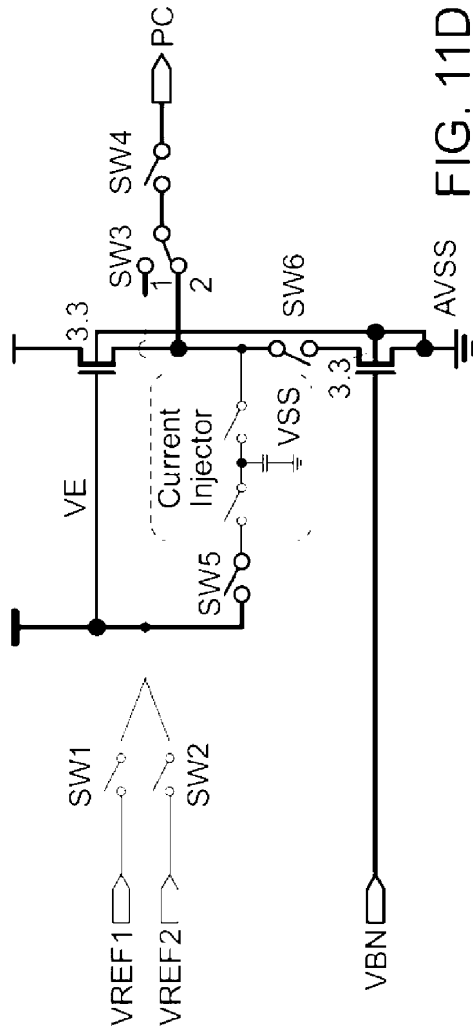


FIG. 11D

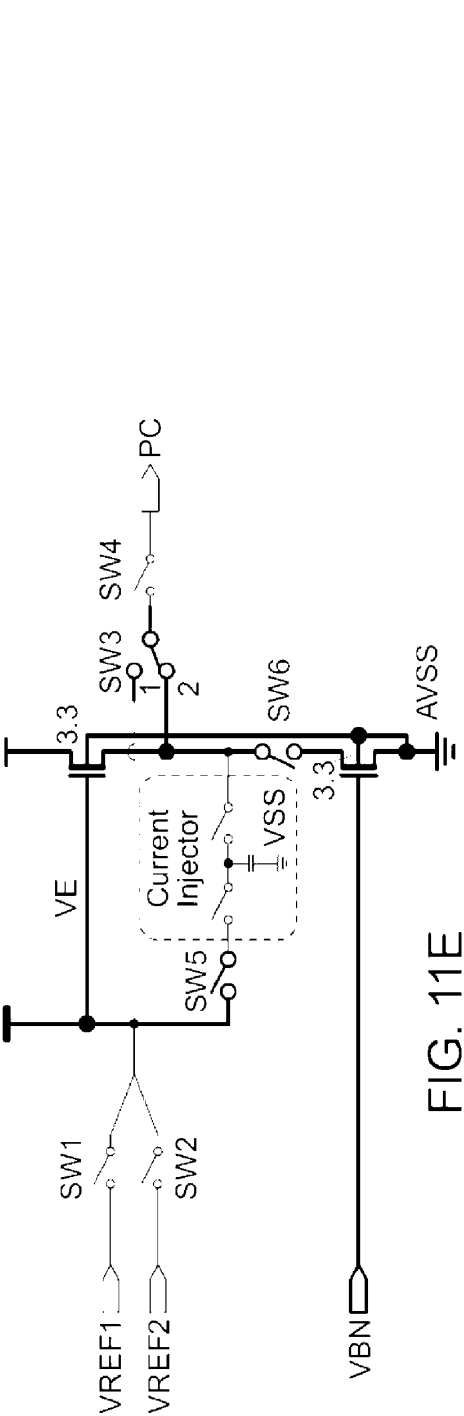


FIG. 11E

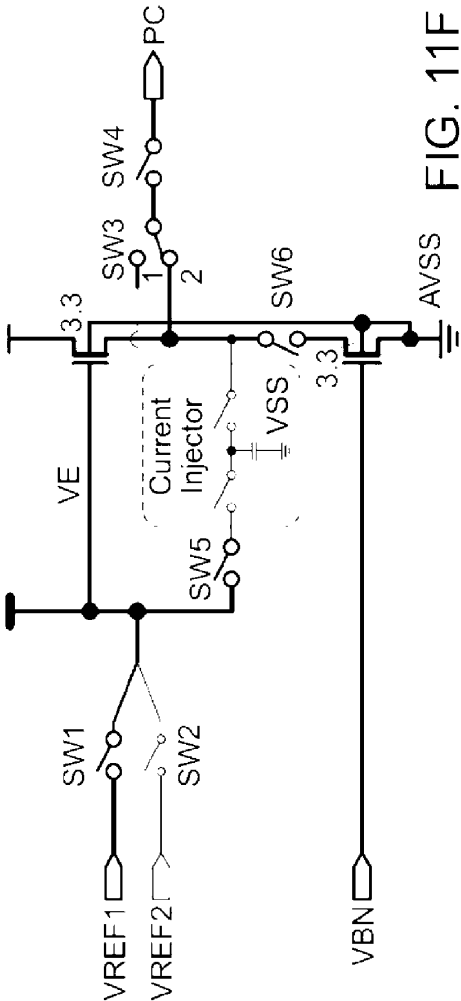


FIG. 11F

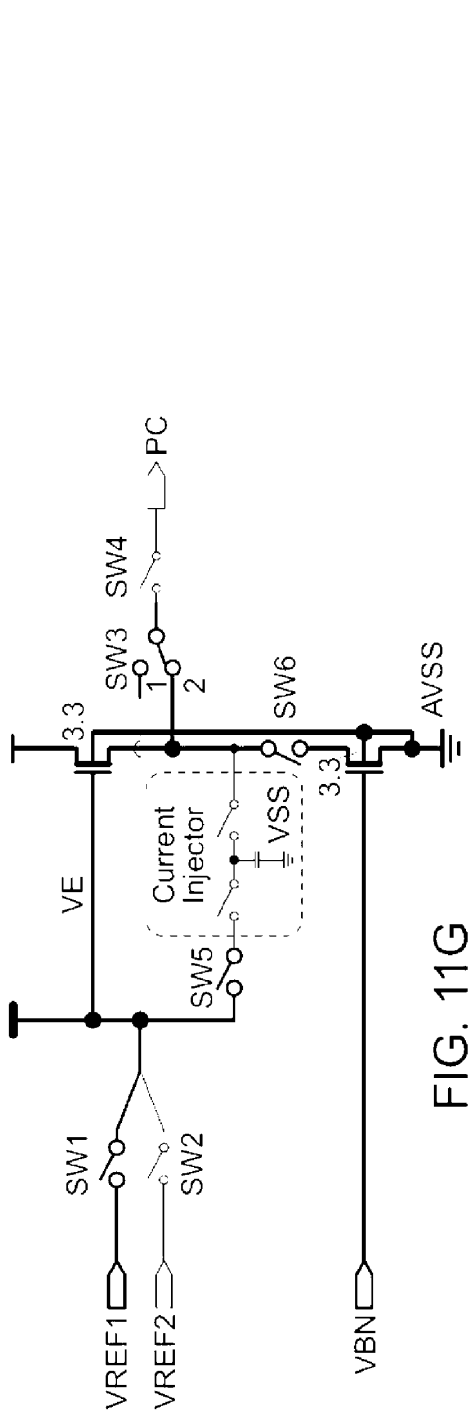


FIG. 11G

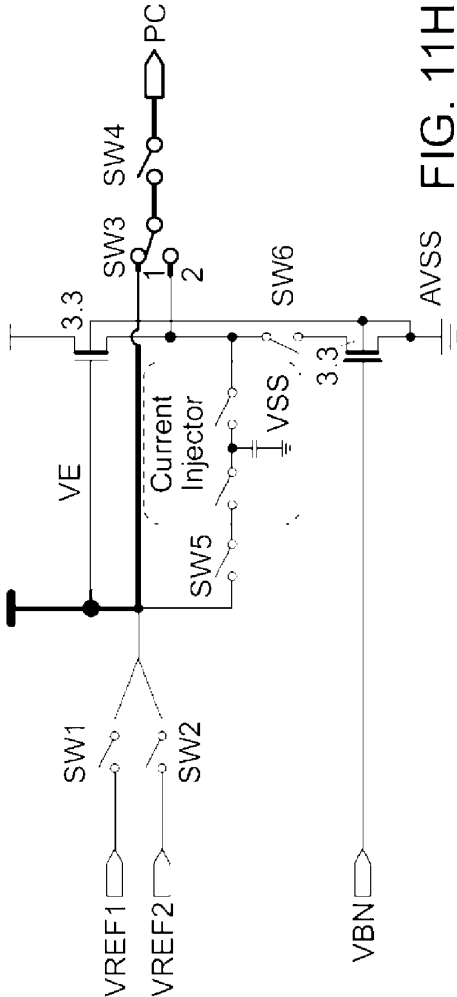


FIG. 11H

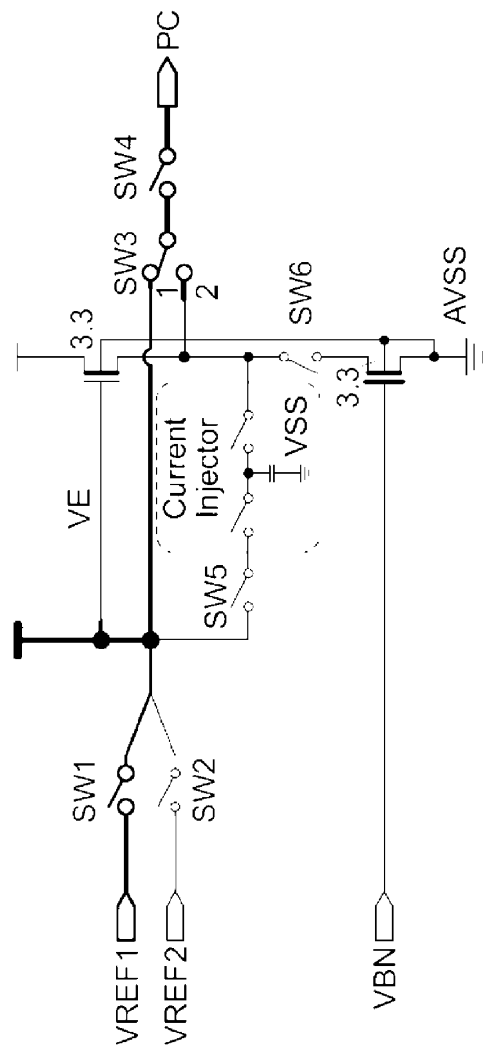
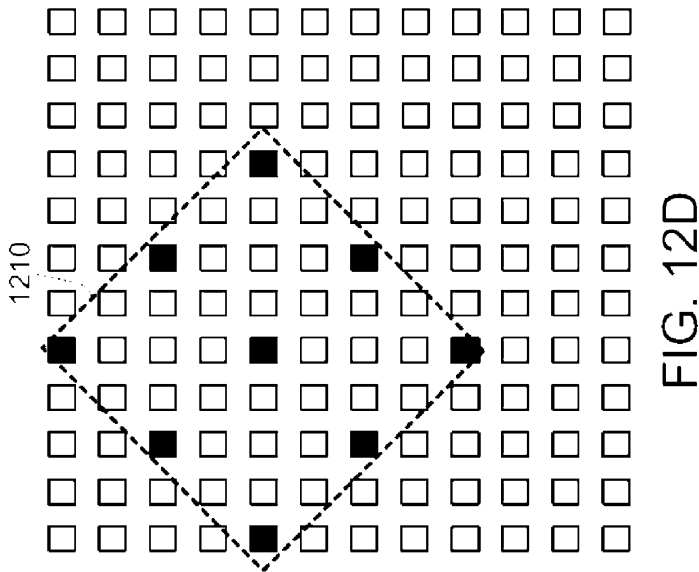
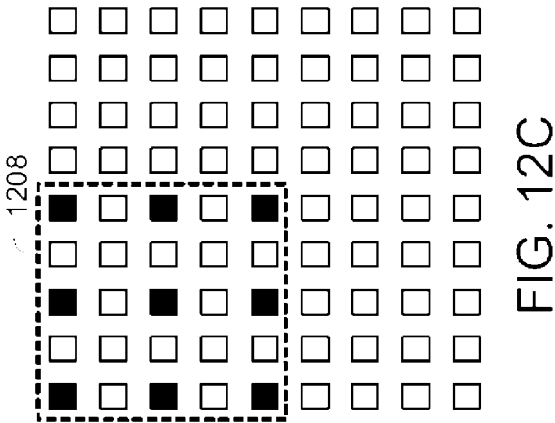
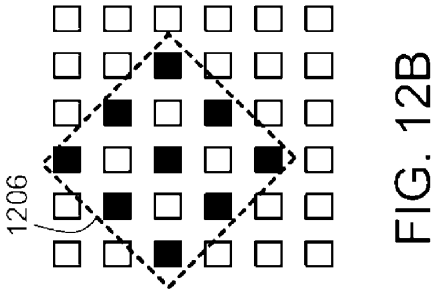
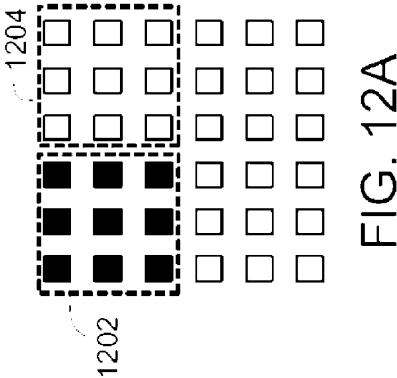


FIG. 11I



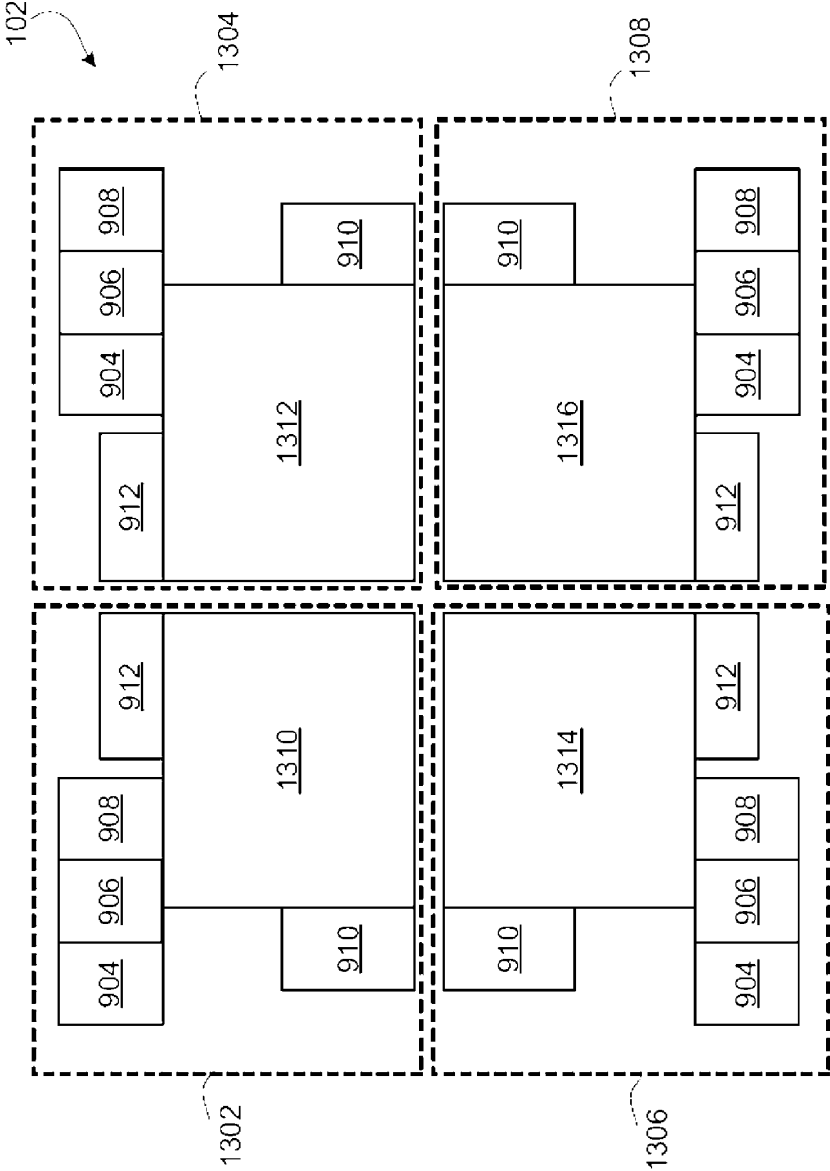


FIG. 13

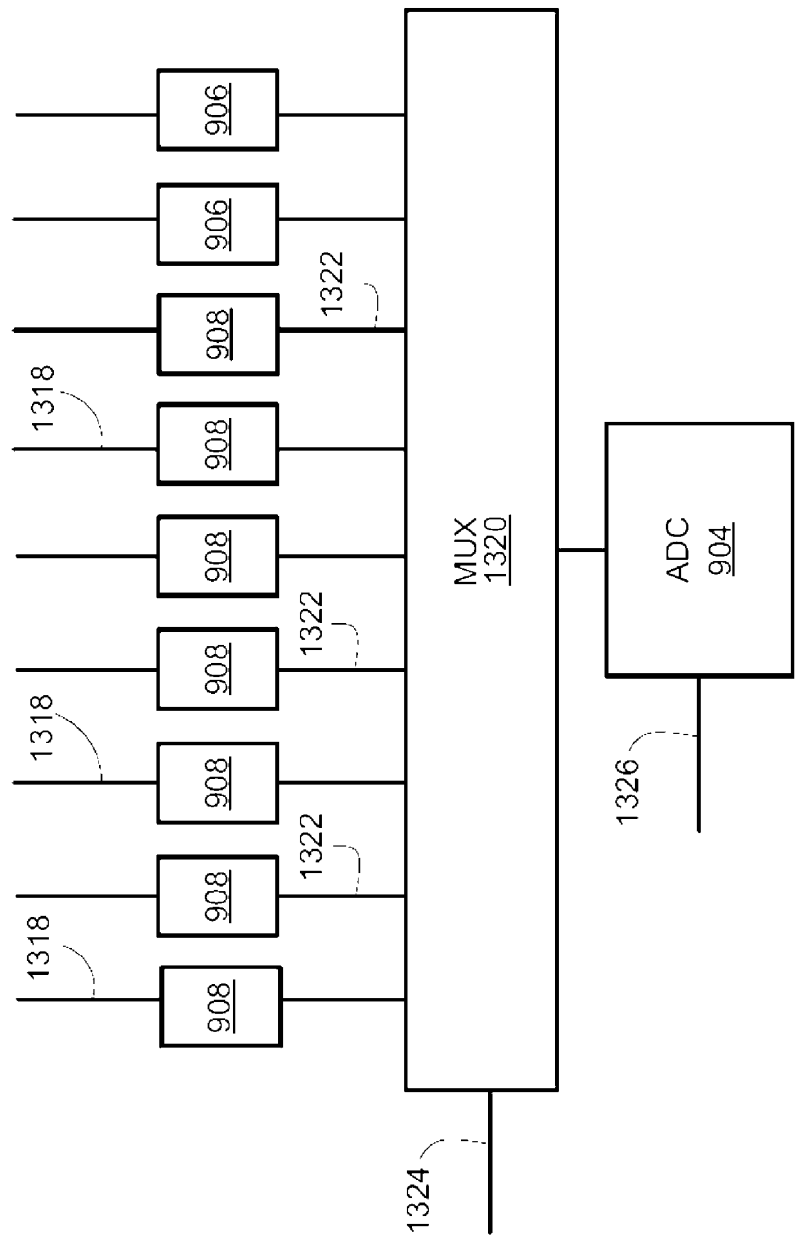


FIG. 14

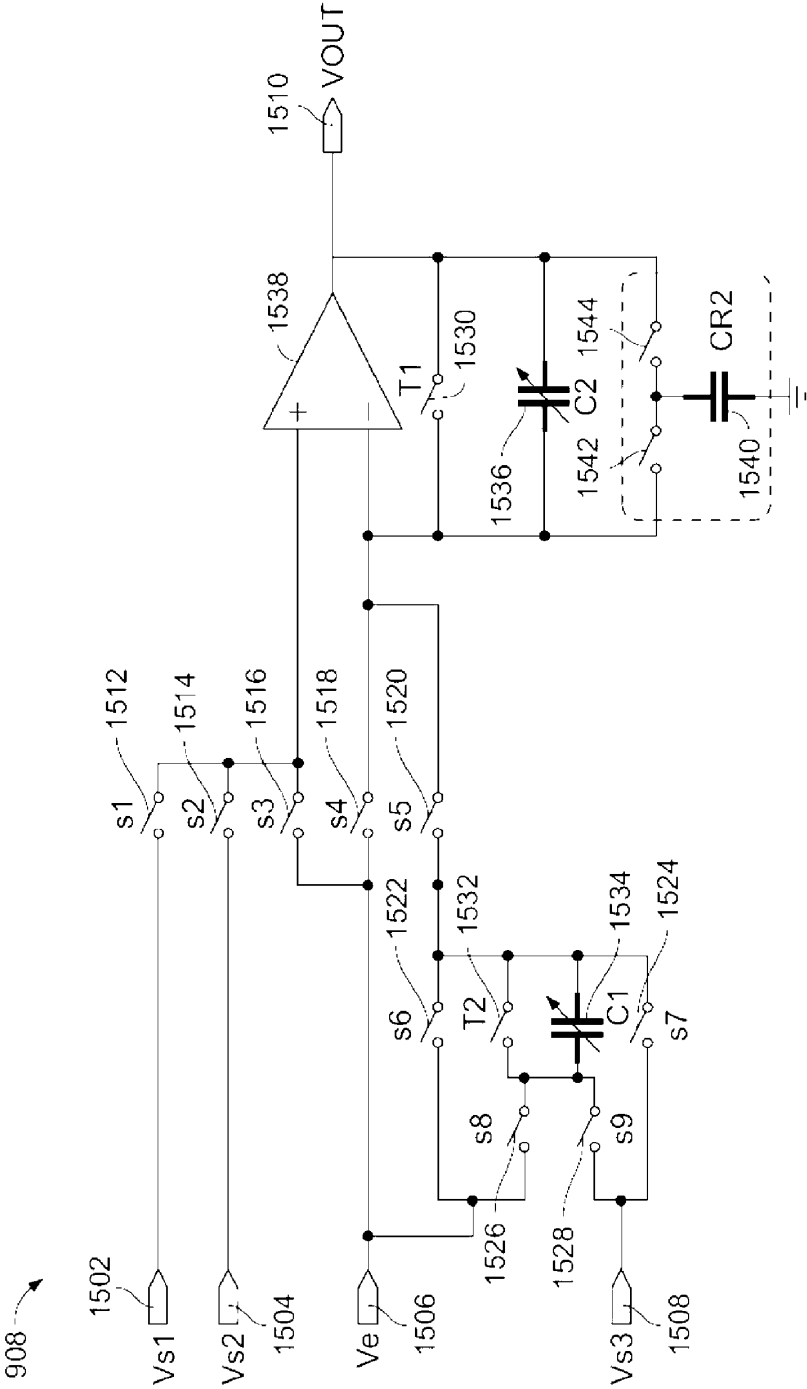


FIG. 15

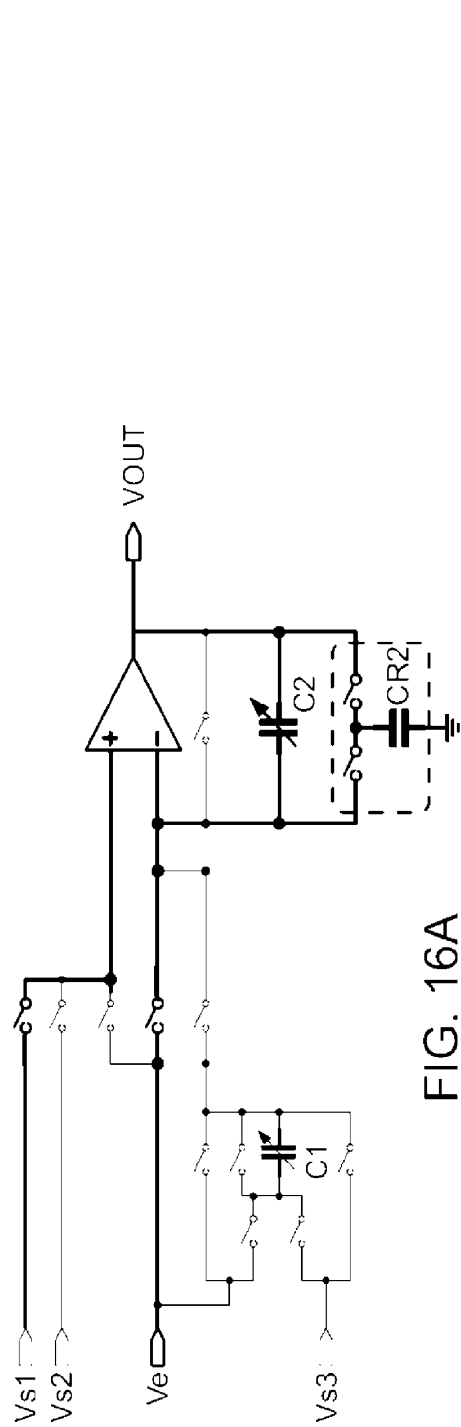


FIG. 16A

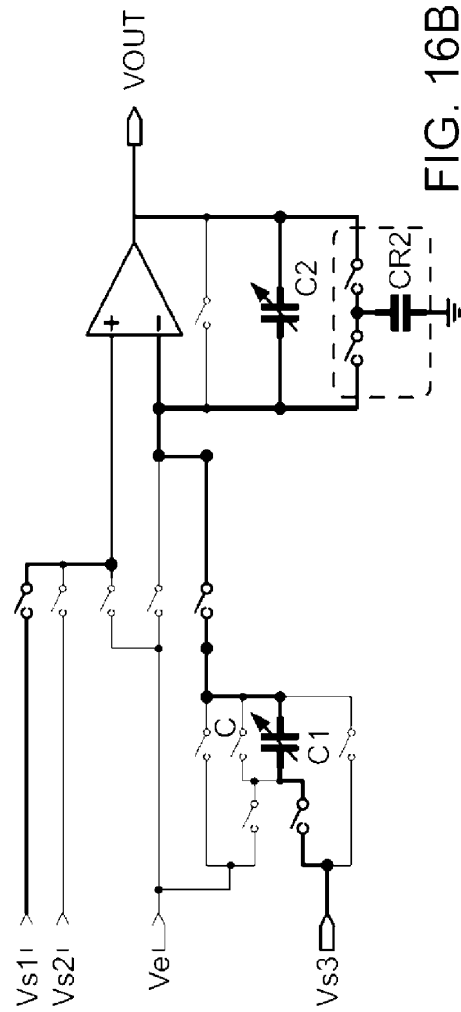


FIG. 16B

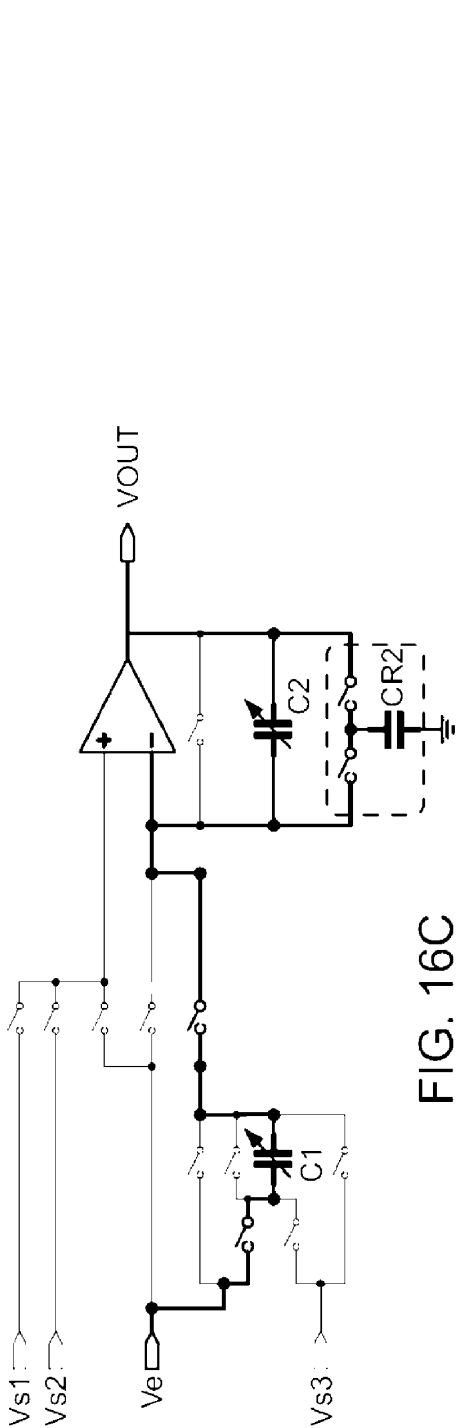


FIG. 16C

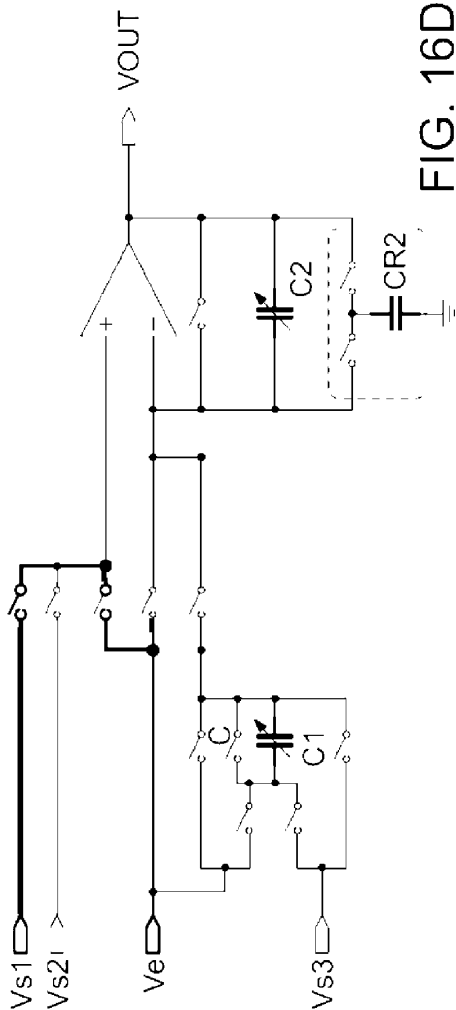


FIG. 16D

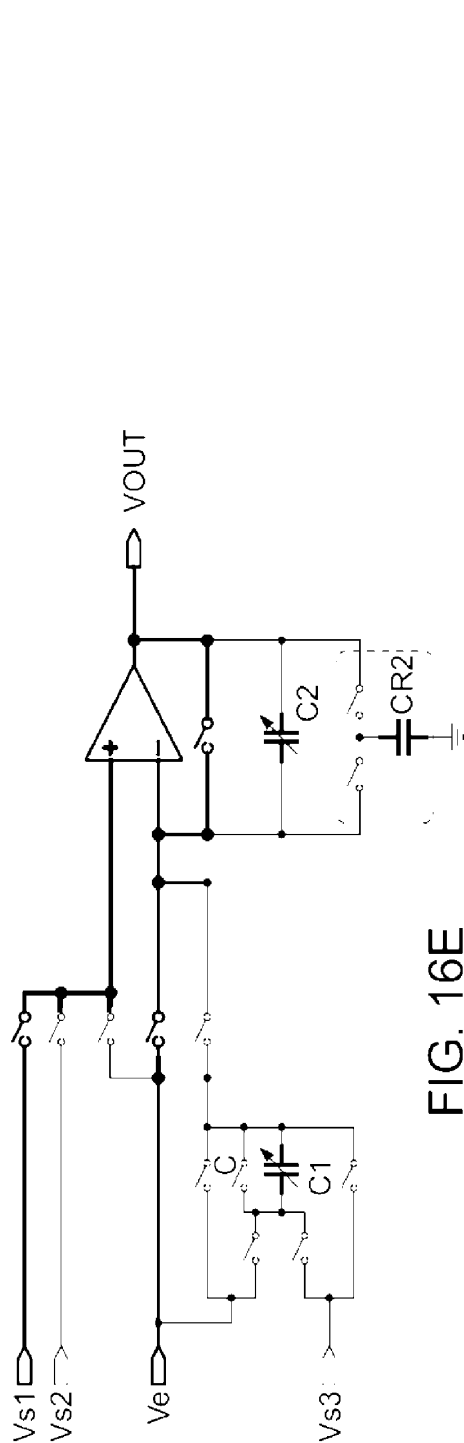


FIG. 16E

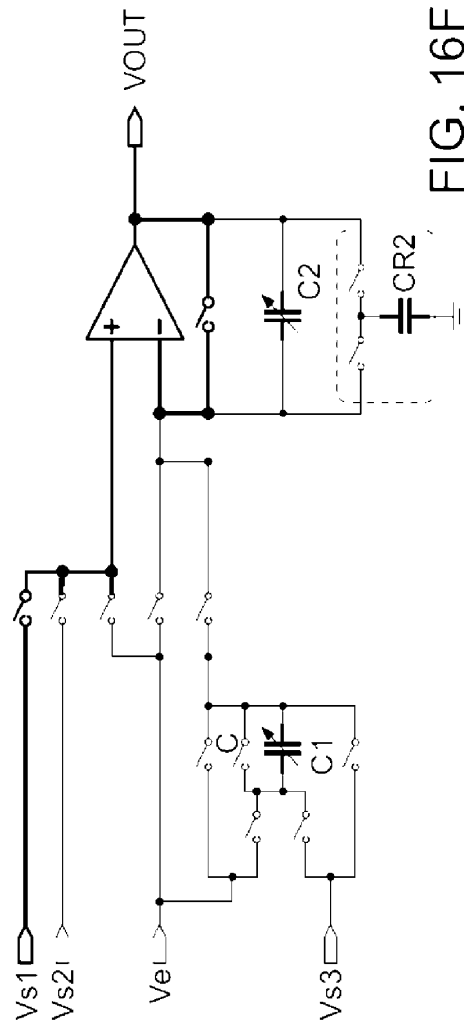
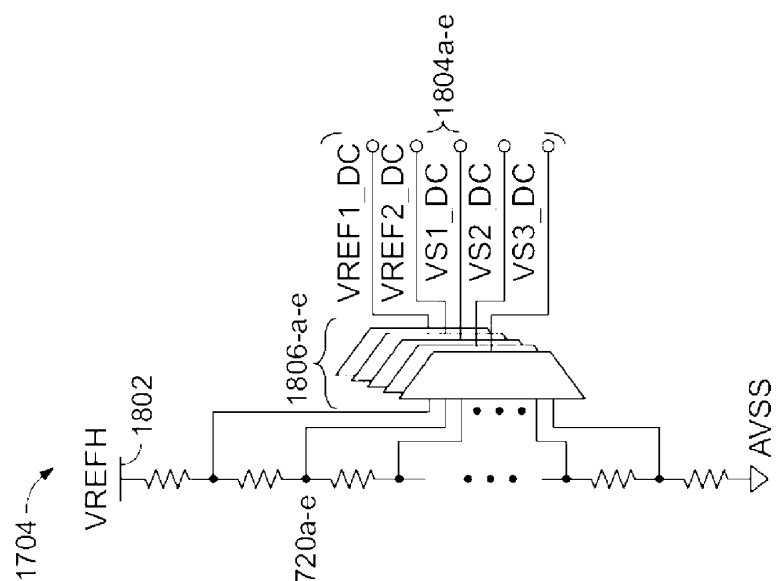
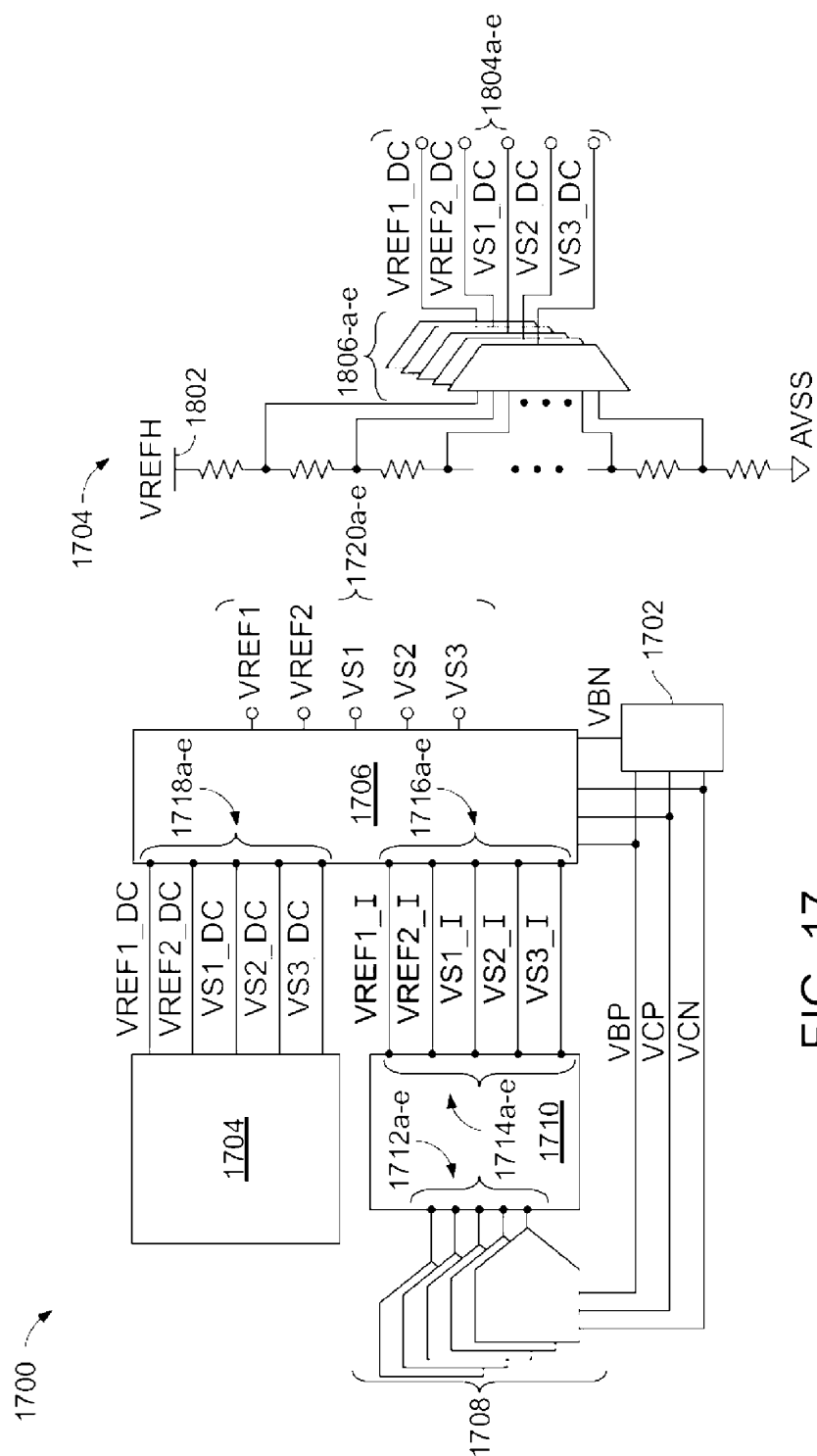
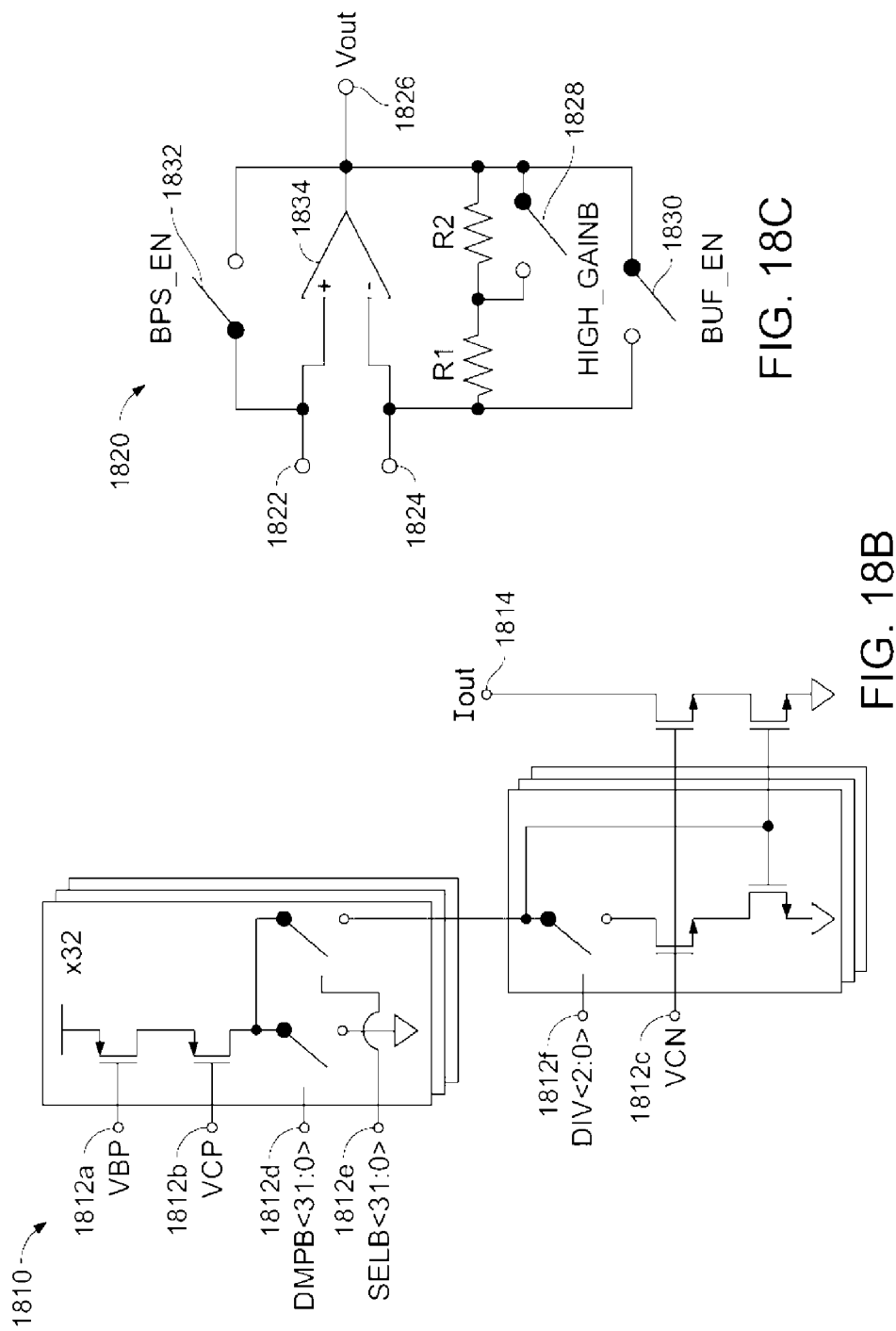


FIG. 16F





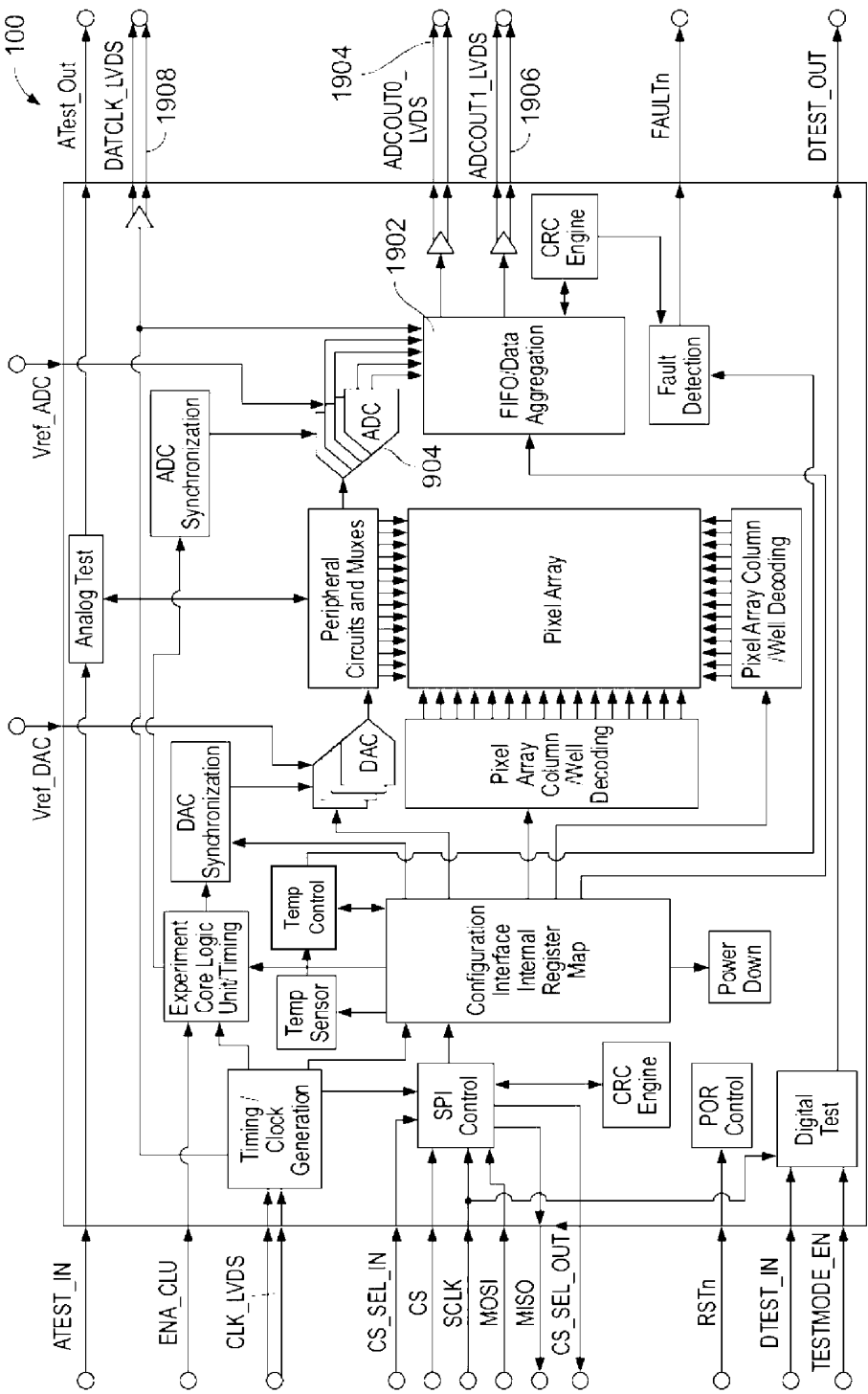
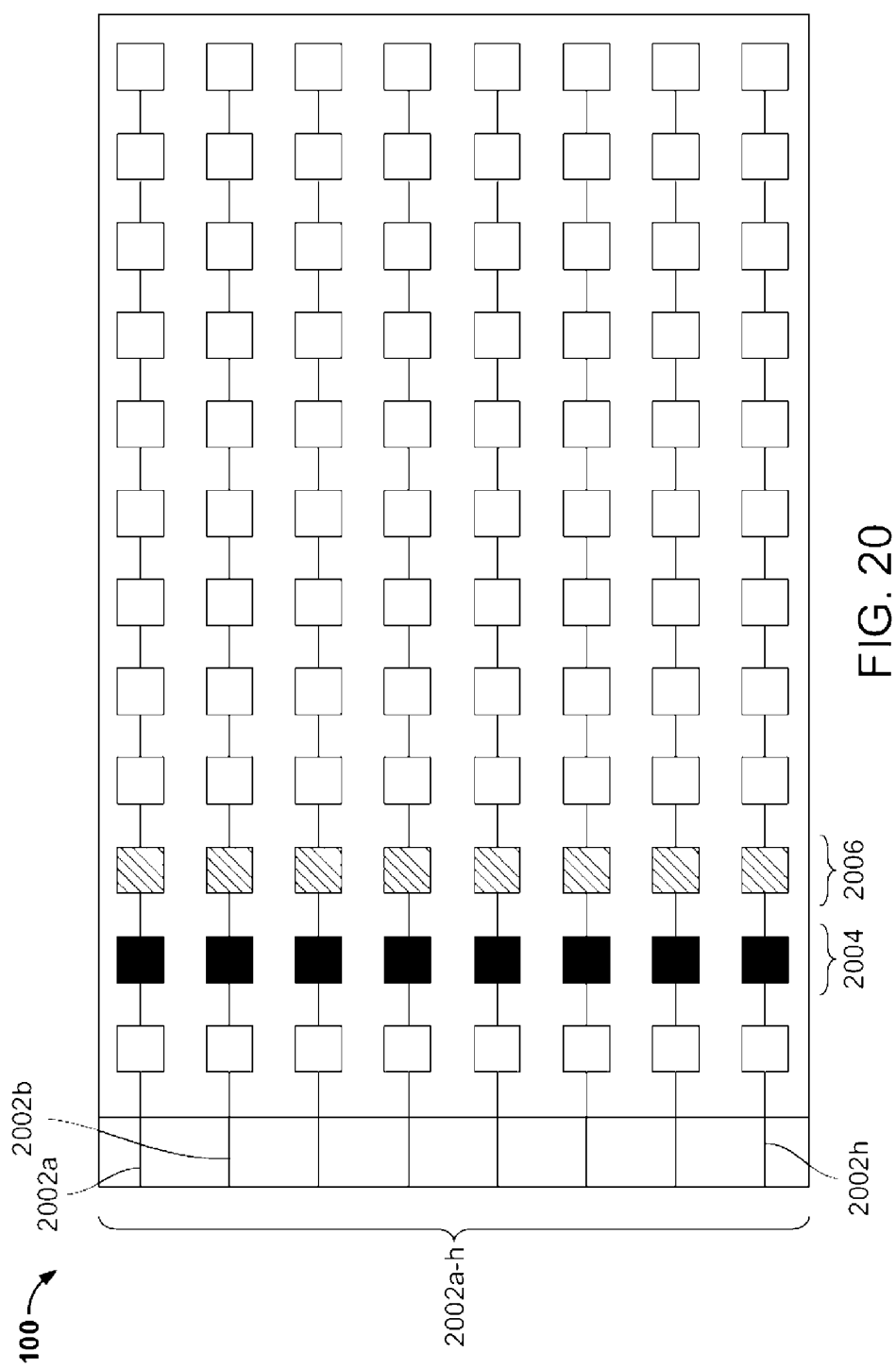


FIG. 19



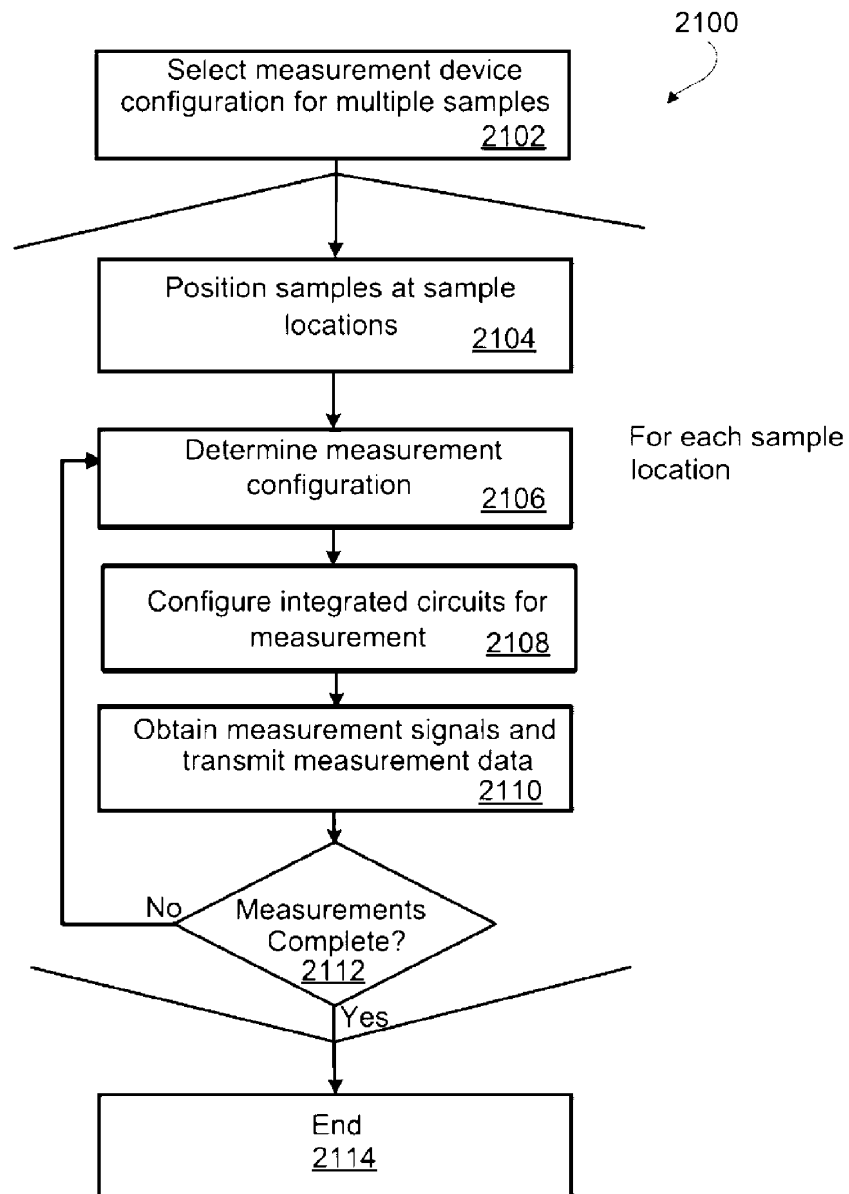


FIG. 21

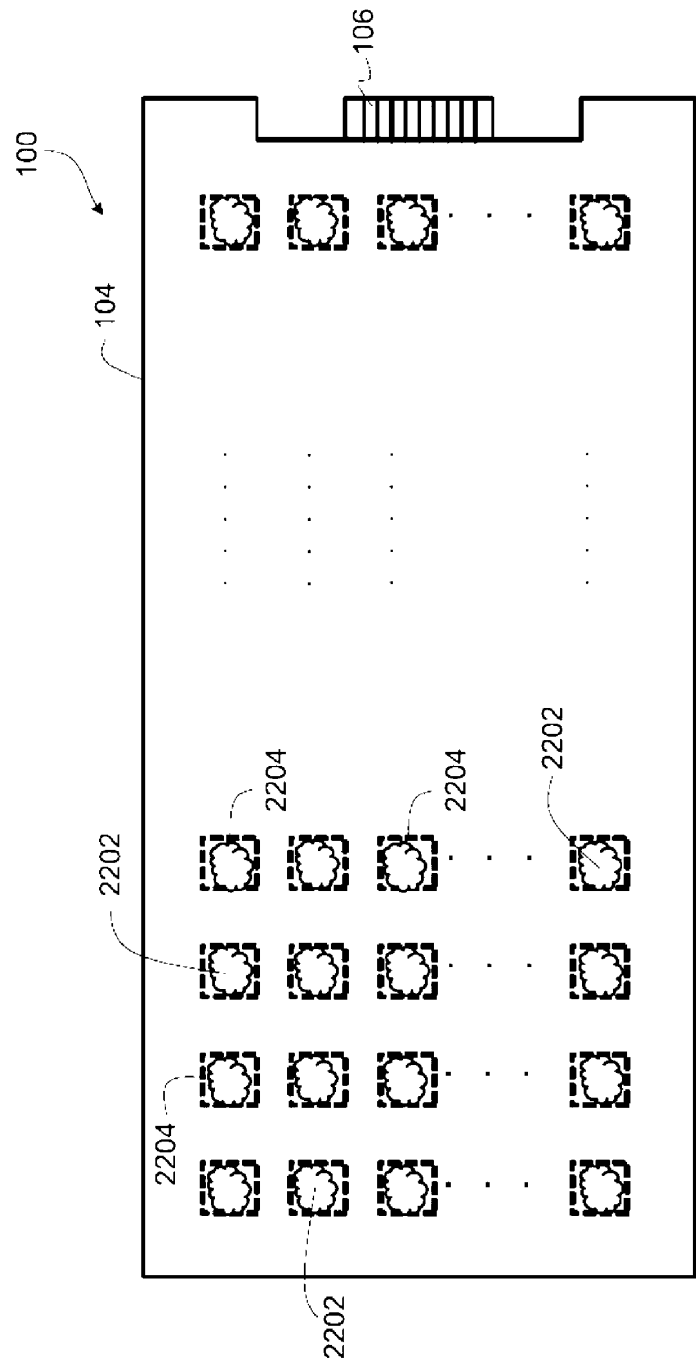


FIG. 22

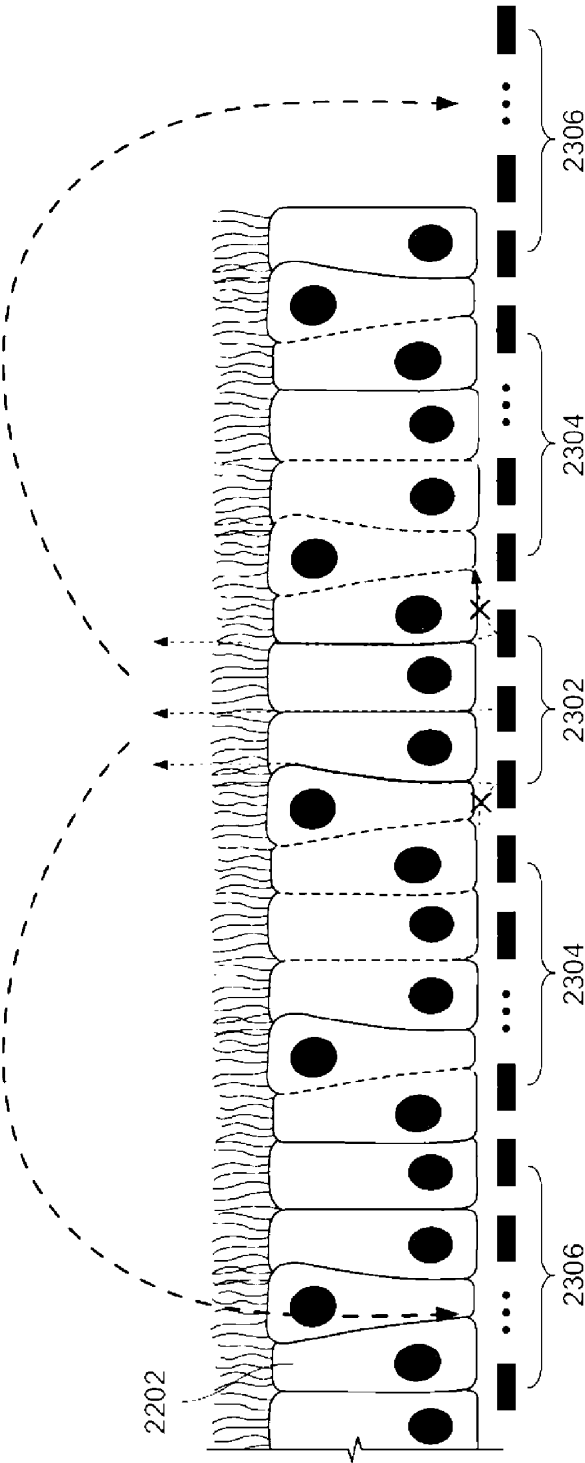
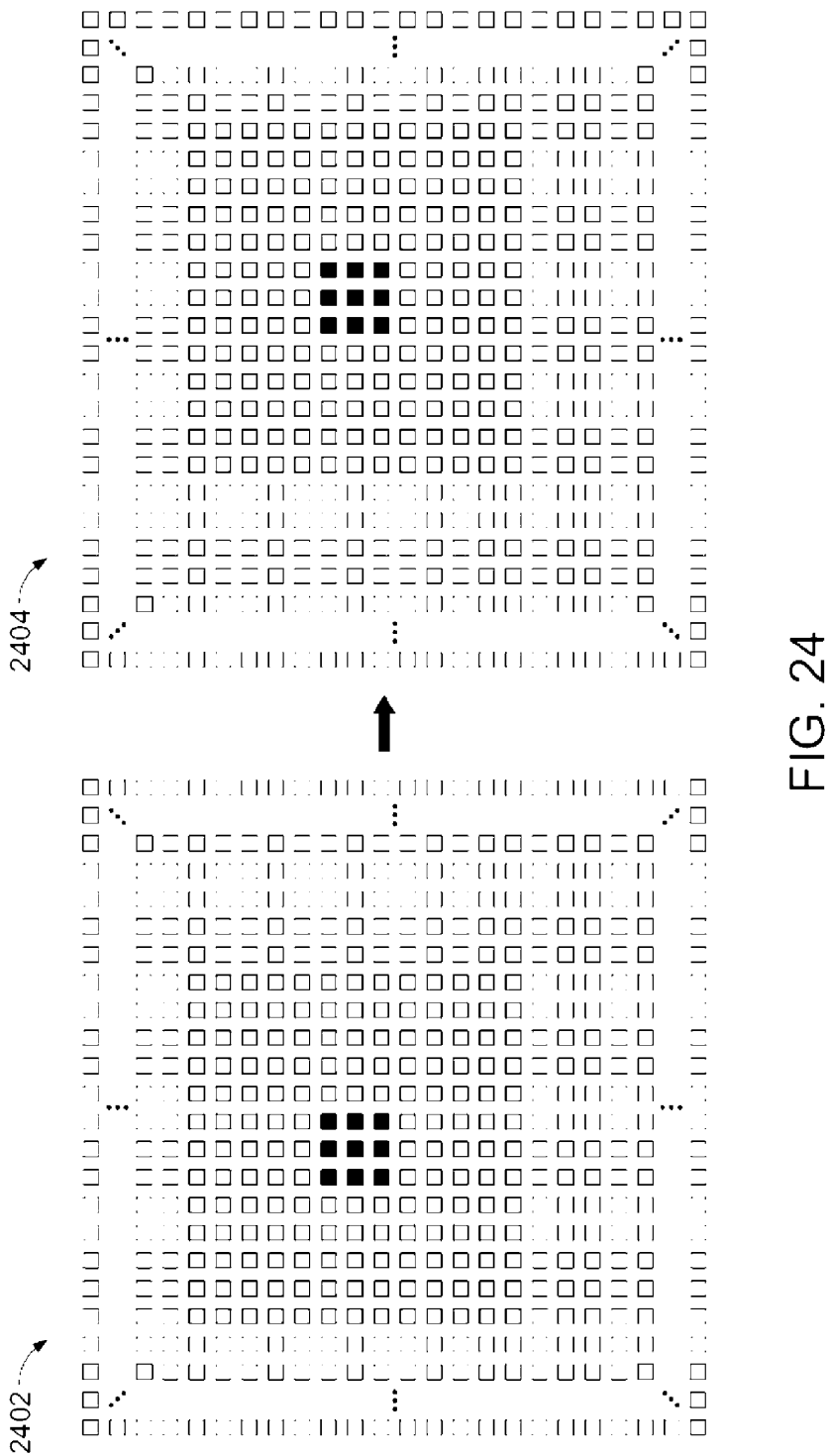


FIG. 23



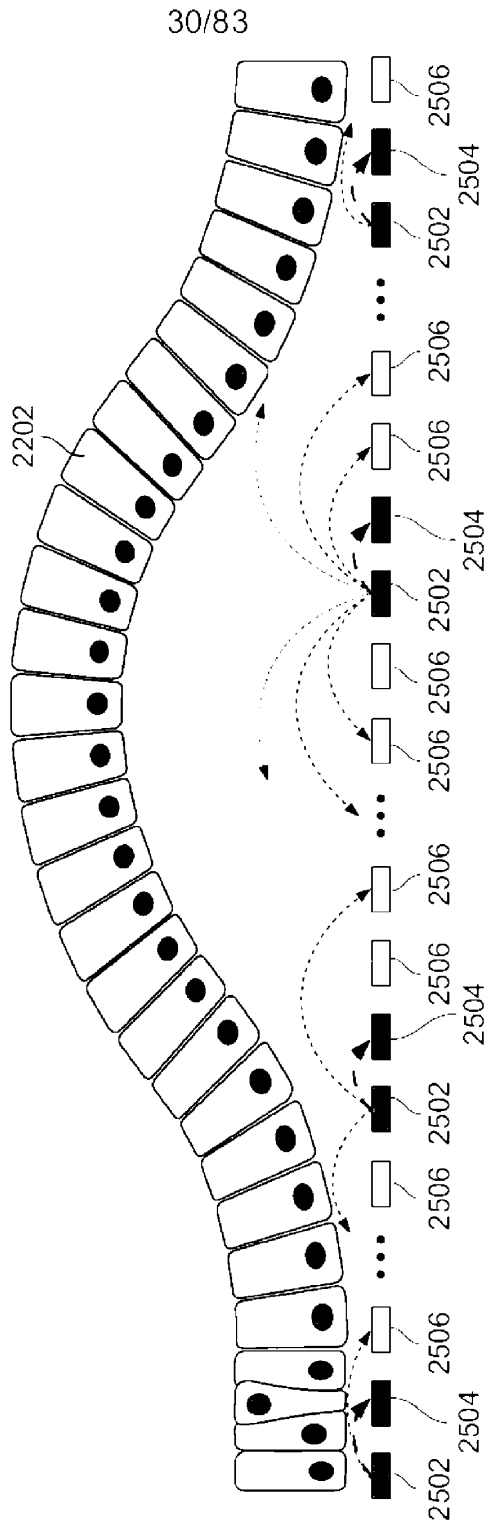
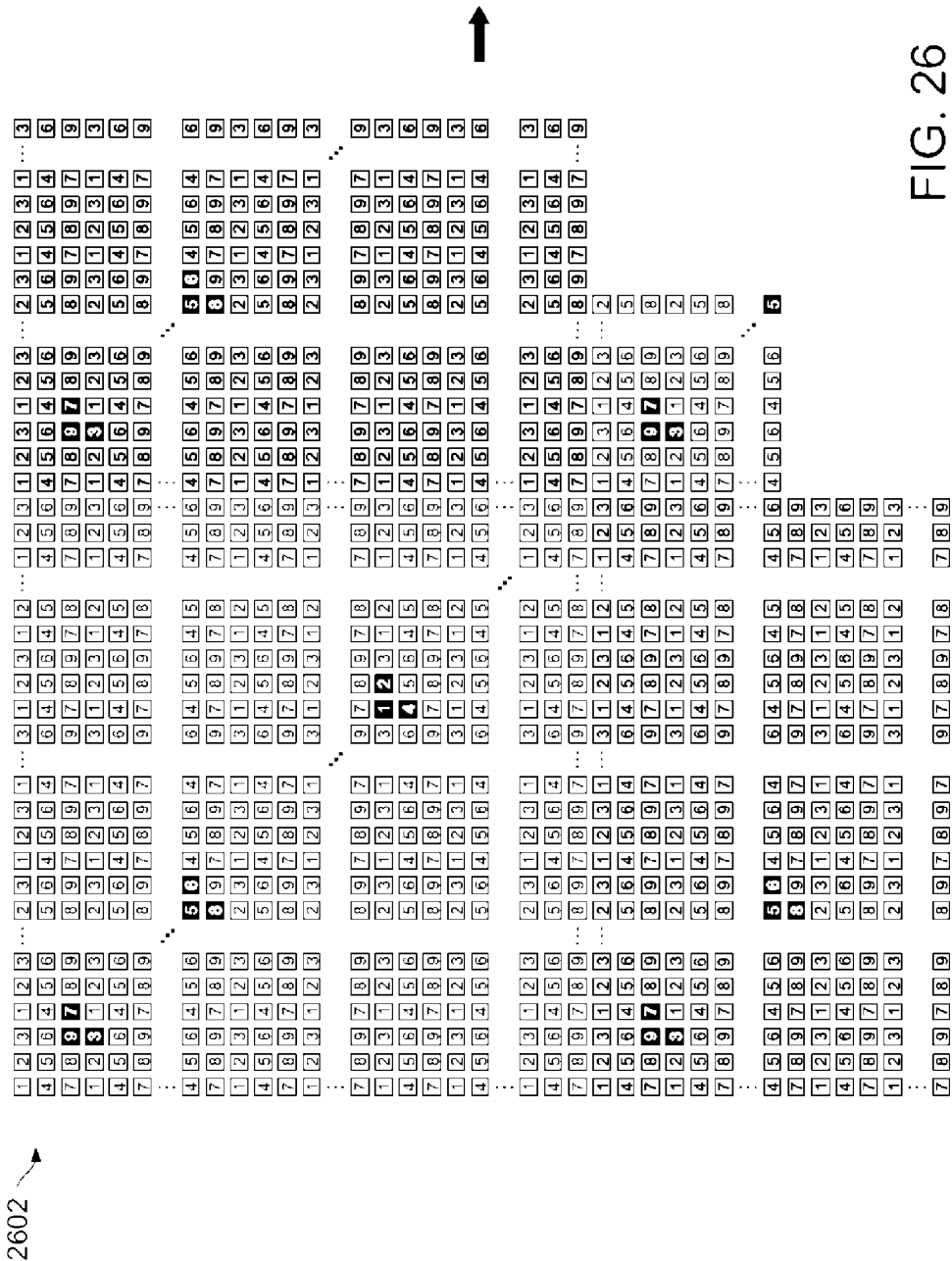


FIG. 25



Vertical field 250 Hz



Vertical field 16 kHz



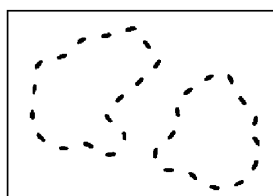
Lateral field 250 Hz



Lateral field 16 kHz



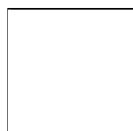
Confluency:
% cell
coverage



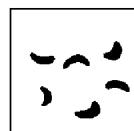
RMS: frame-to-frame movement



t_1



t_2



$$\sqrt{\frac{1}{n} \sum (t_2 - t_1)^2}$$

FIG. 27A

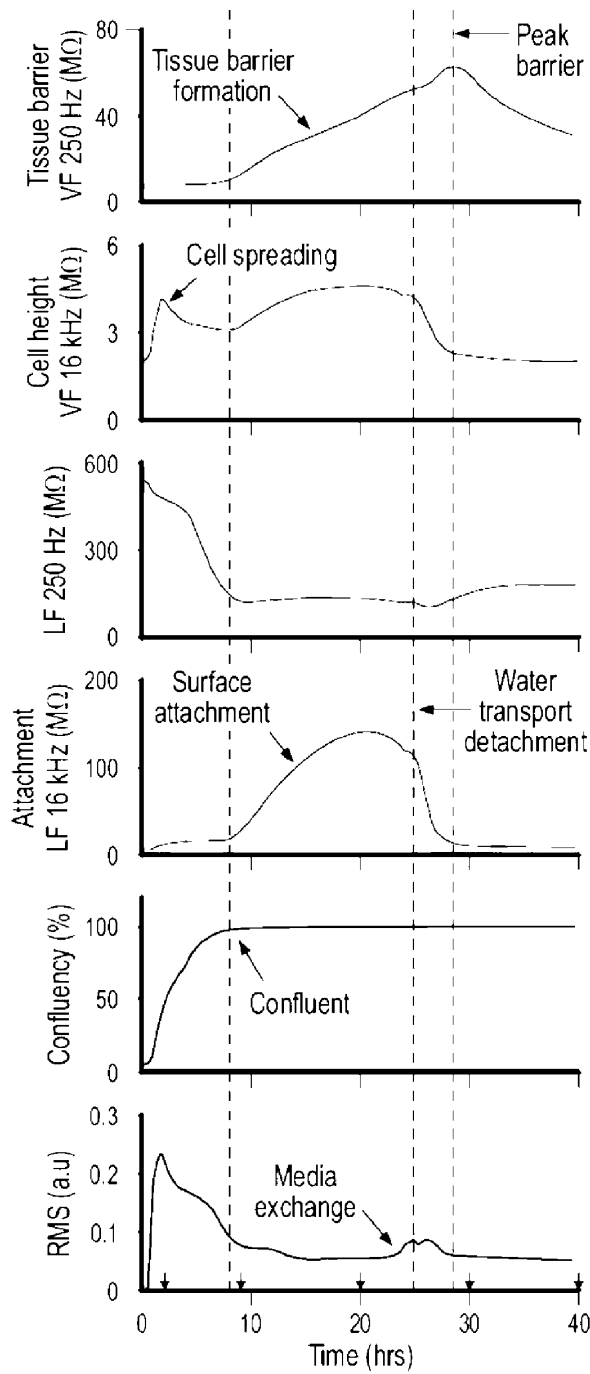


FIG. 27B

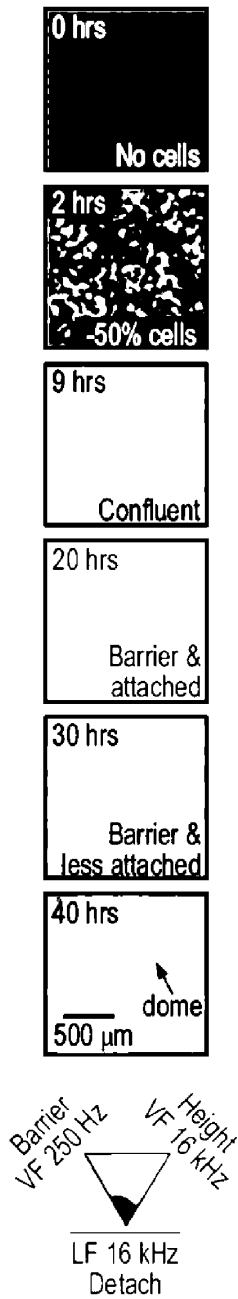


FIG. 27C

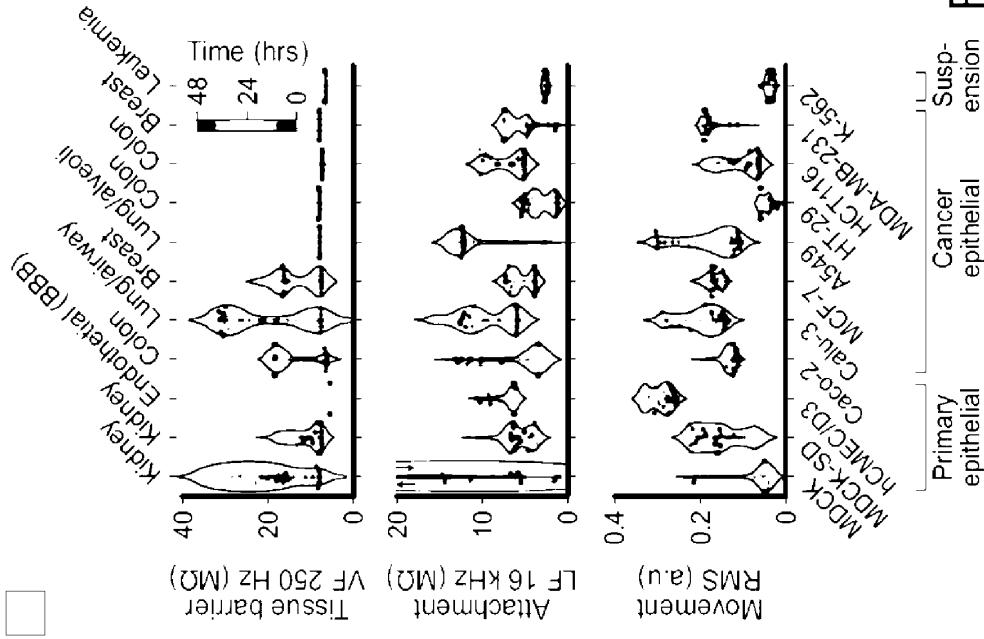


FIG. 28A

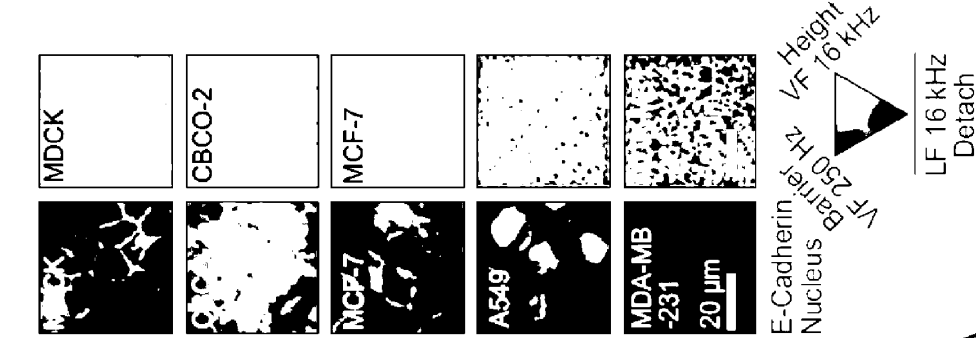


FIG. 28B

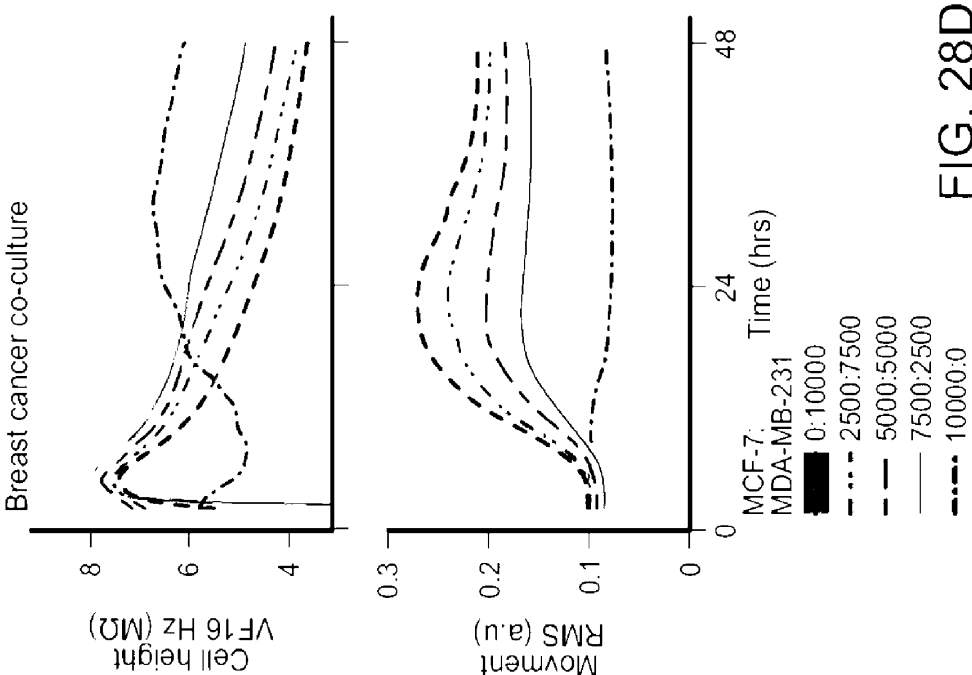


FIG. 28D

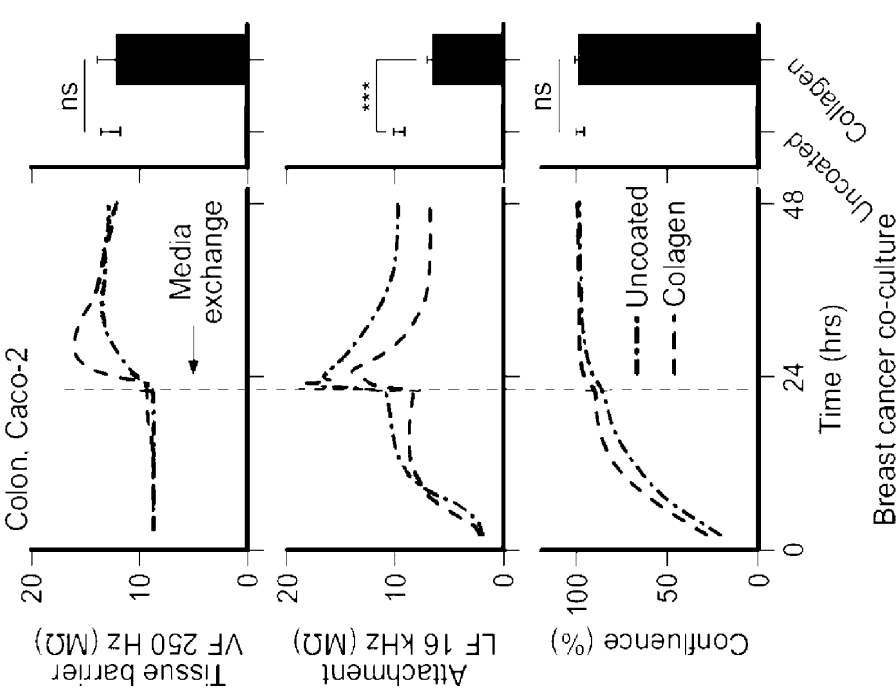


FIG. 28C

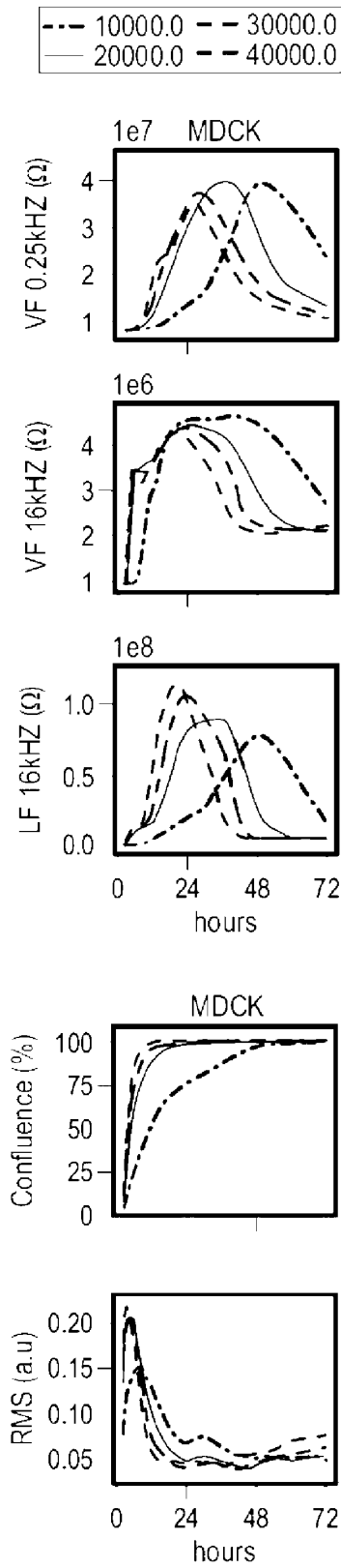


FIG. 28E

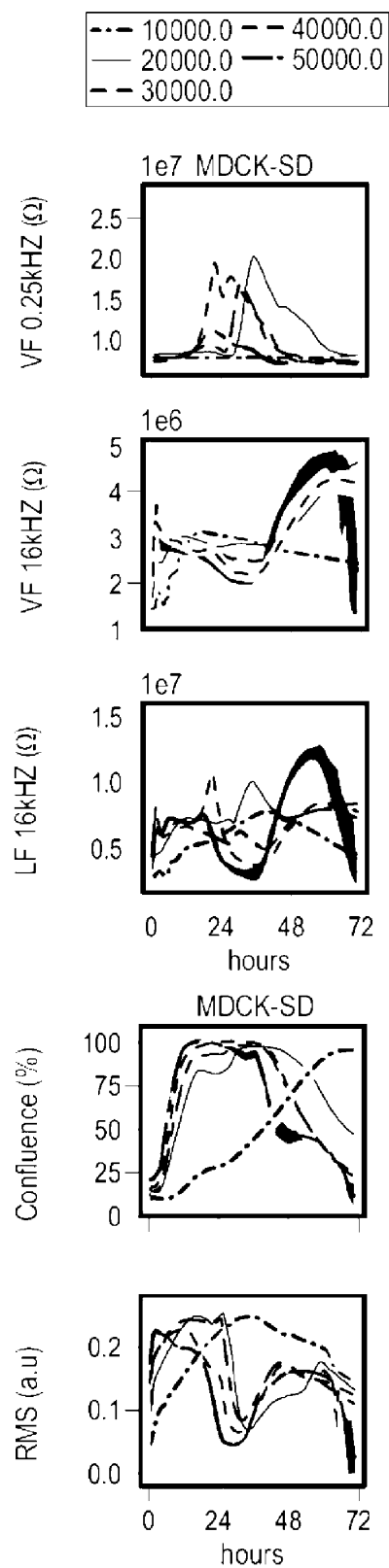


FIG. 28F

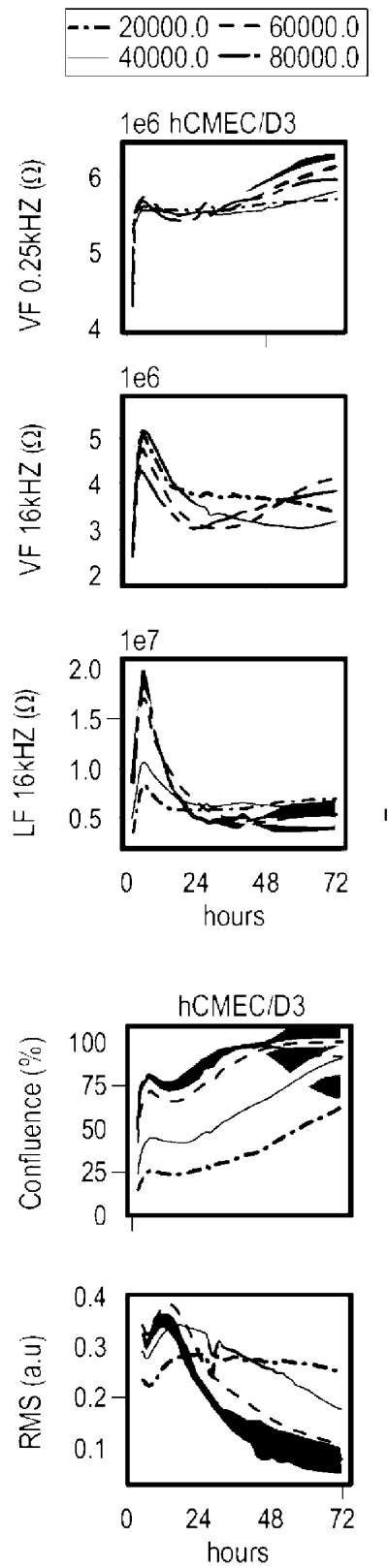


FIG. 28G

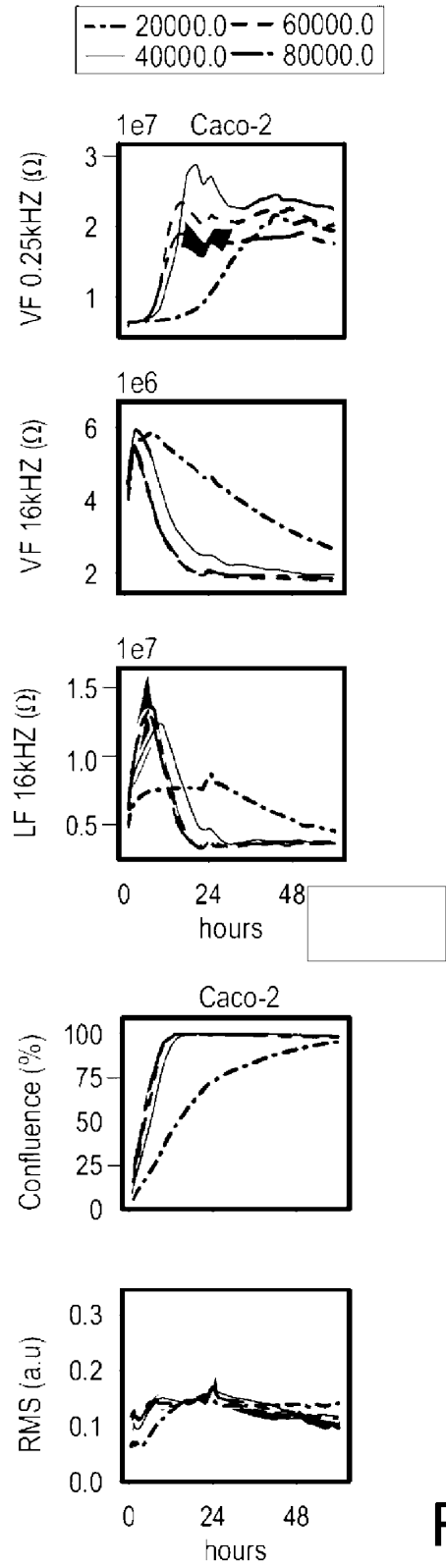


FIG. 28H

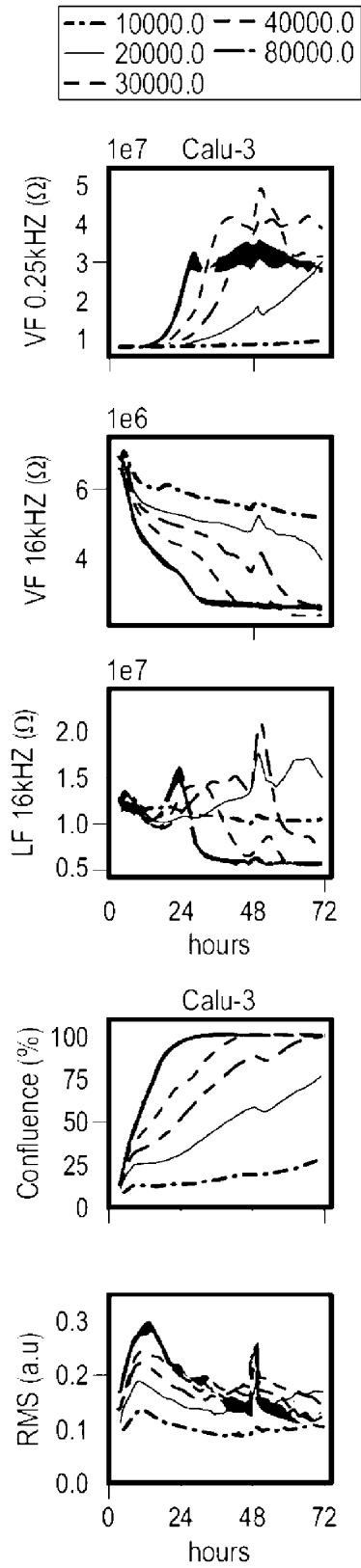


FIG. 28I

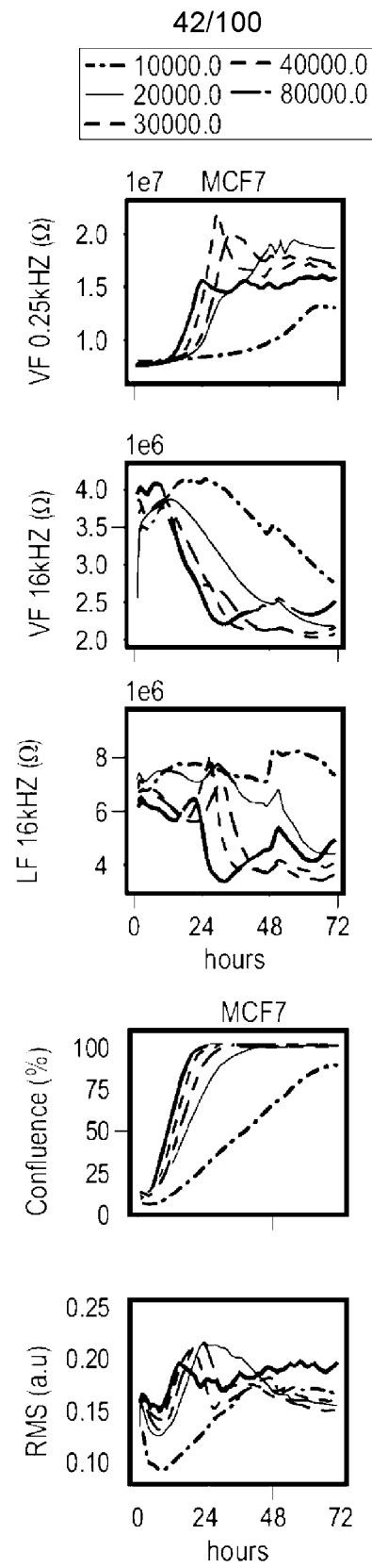


FIG. 28J

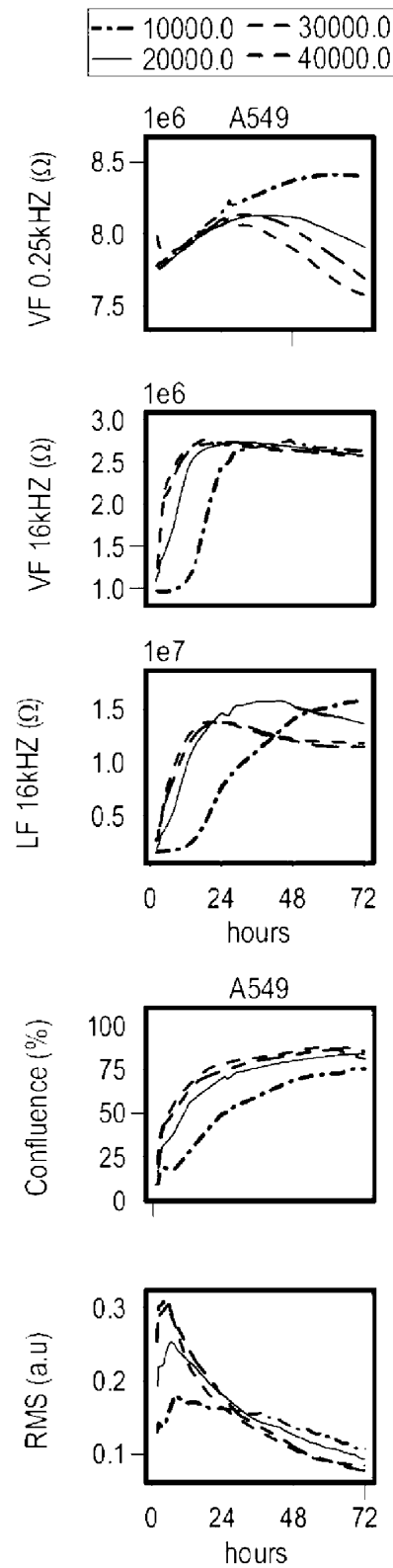


FIG. 28K

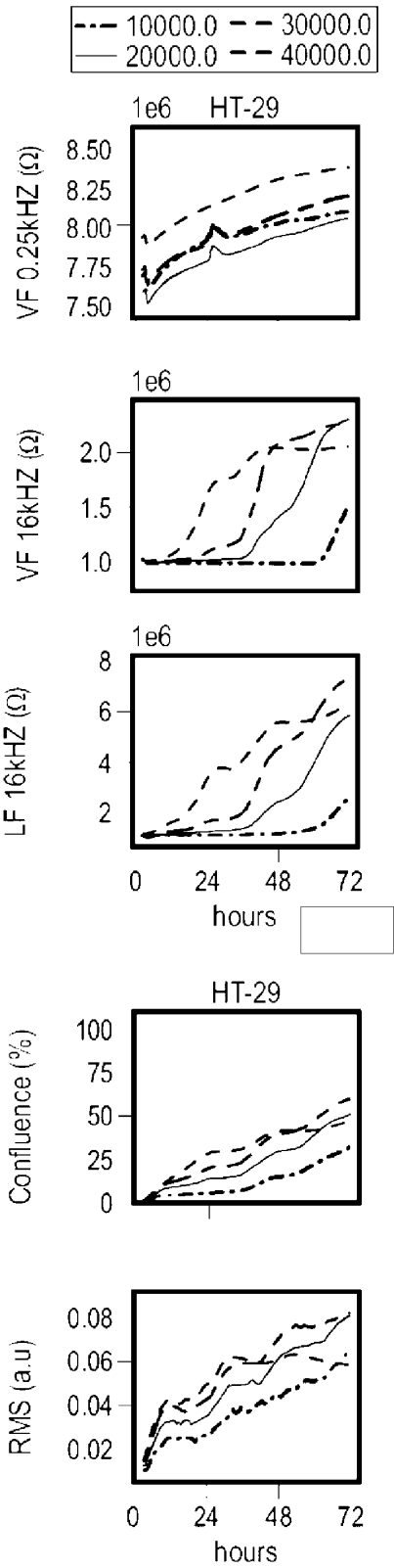


FIG. 28L

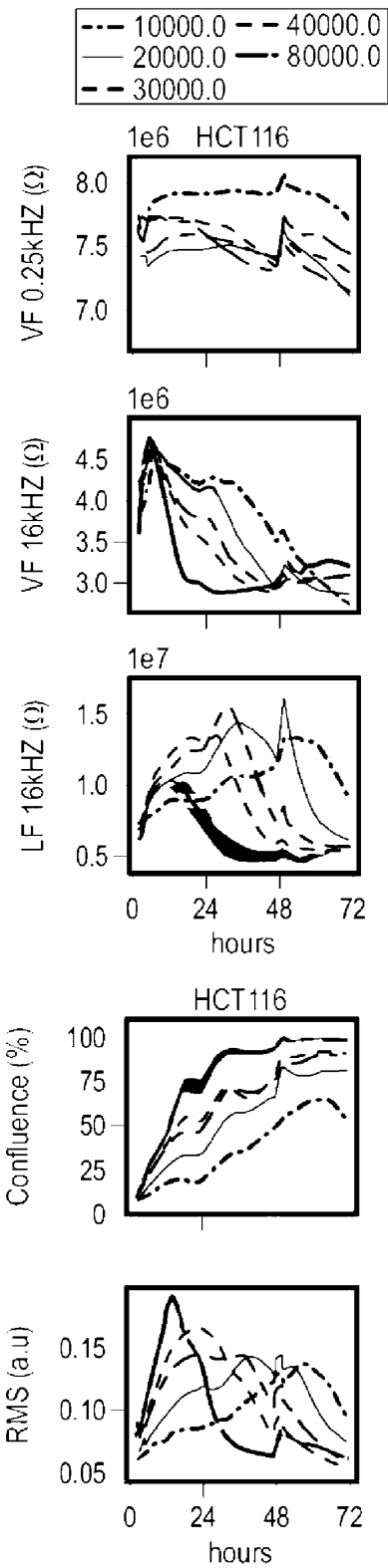


FIG. 28M

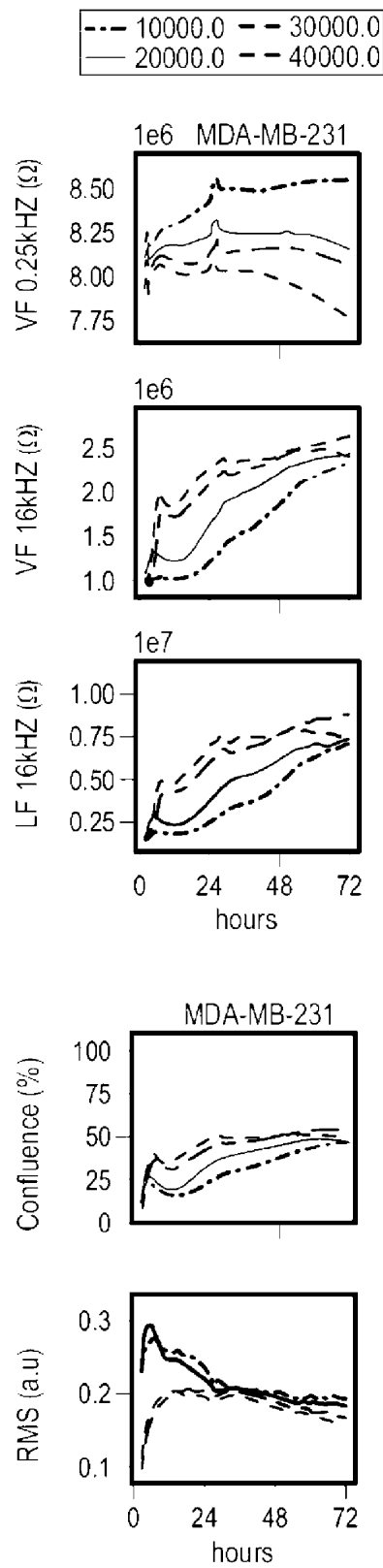
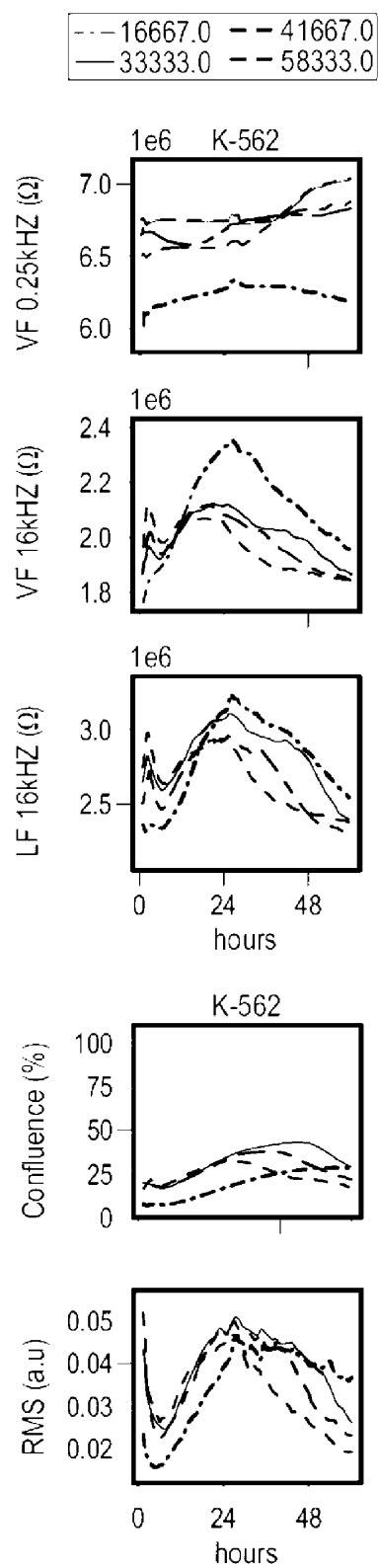
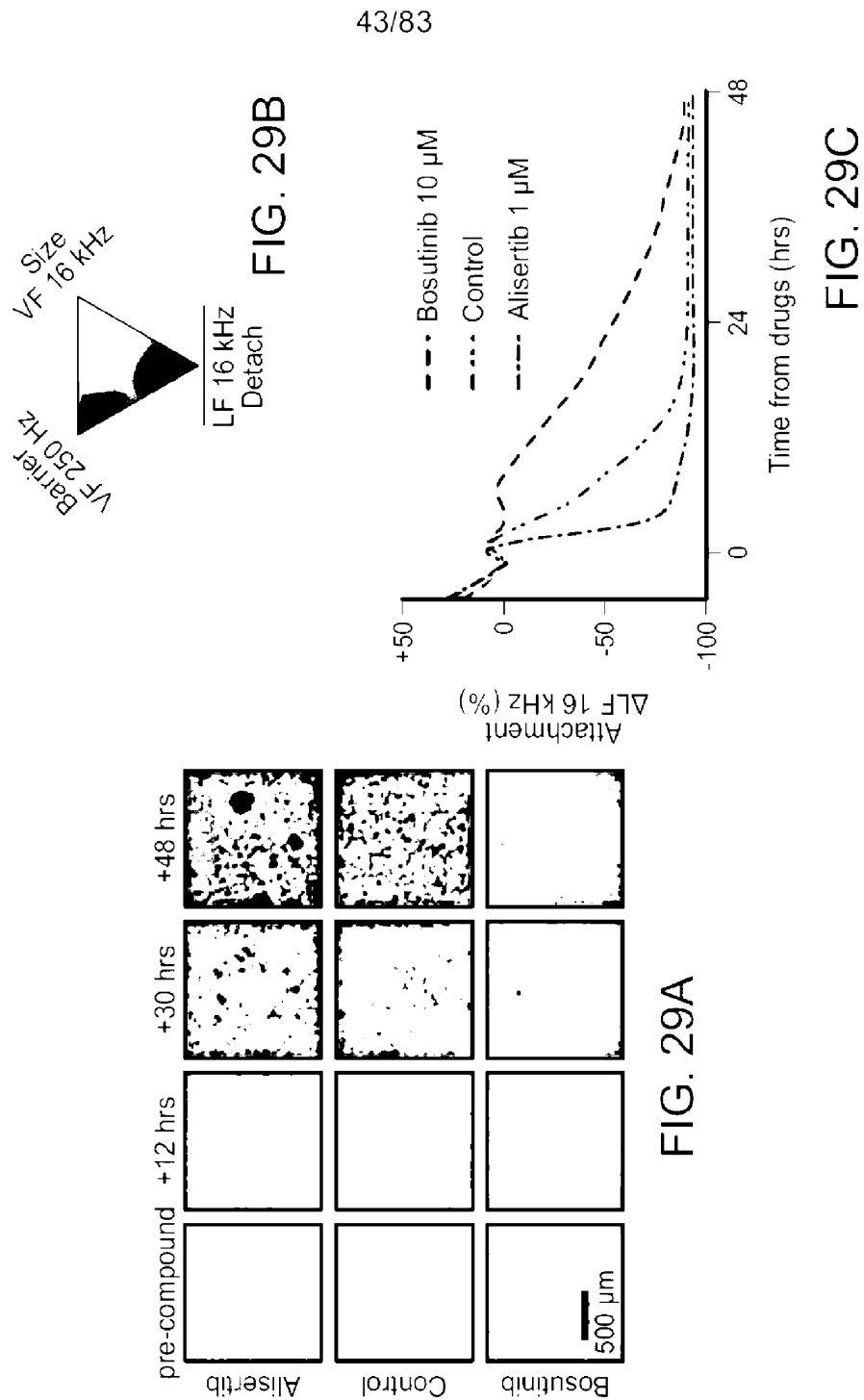


FIG. 28N





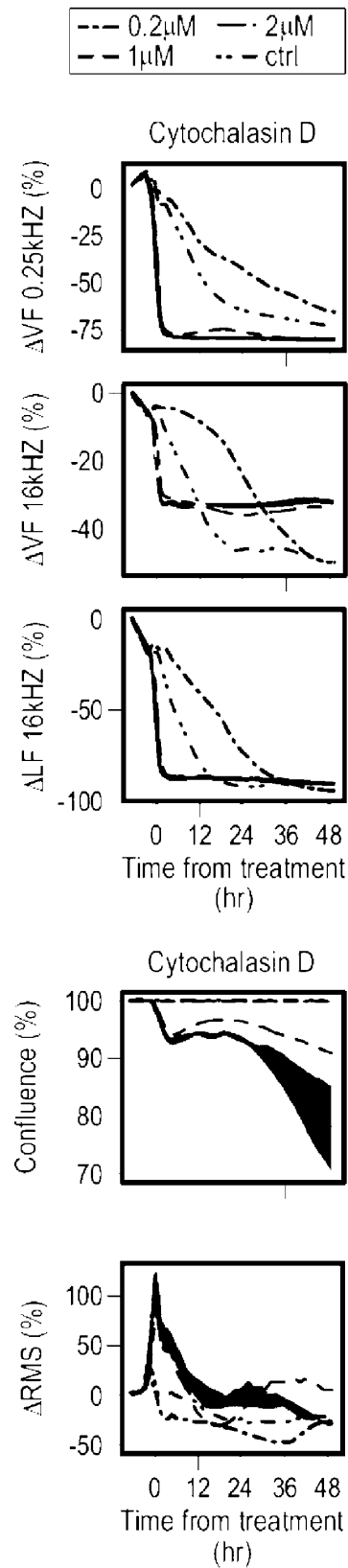


FIG. 29D-1

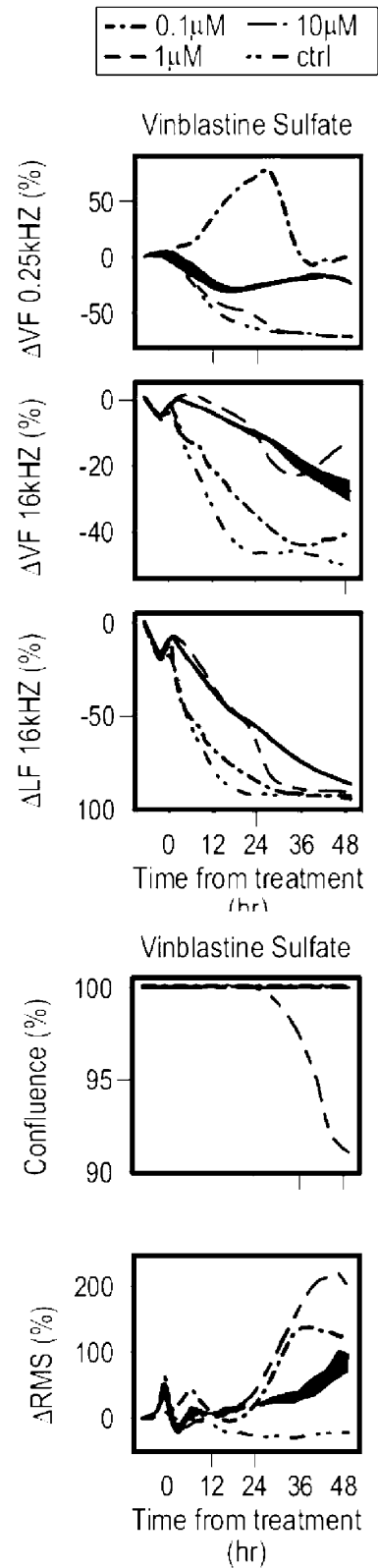


FIG. 29D-2

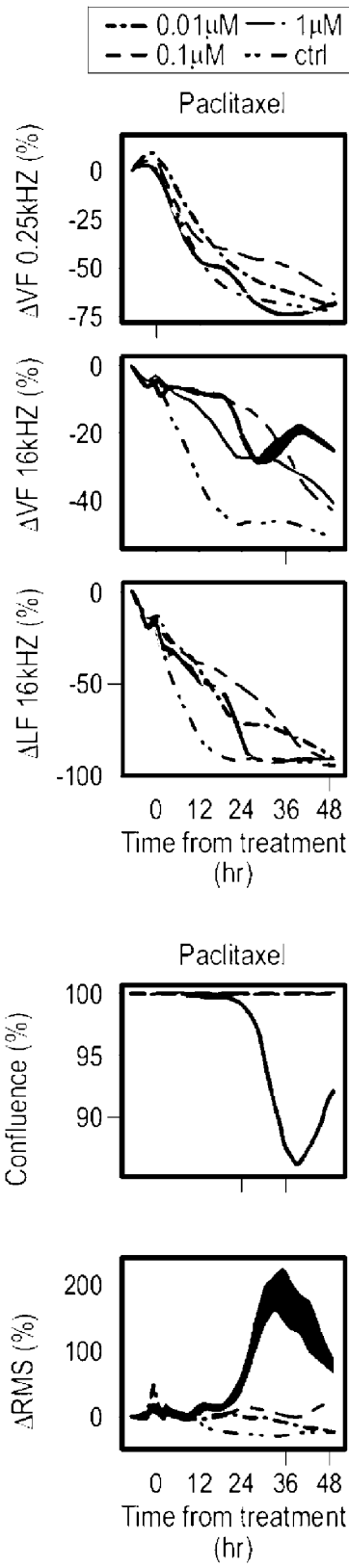


FIG. 29D-3

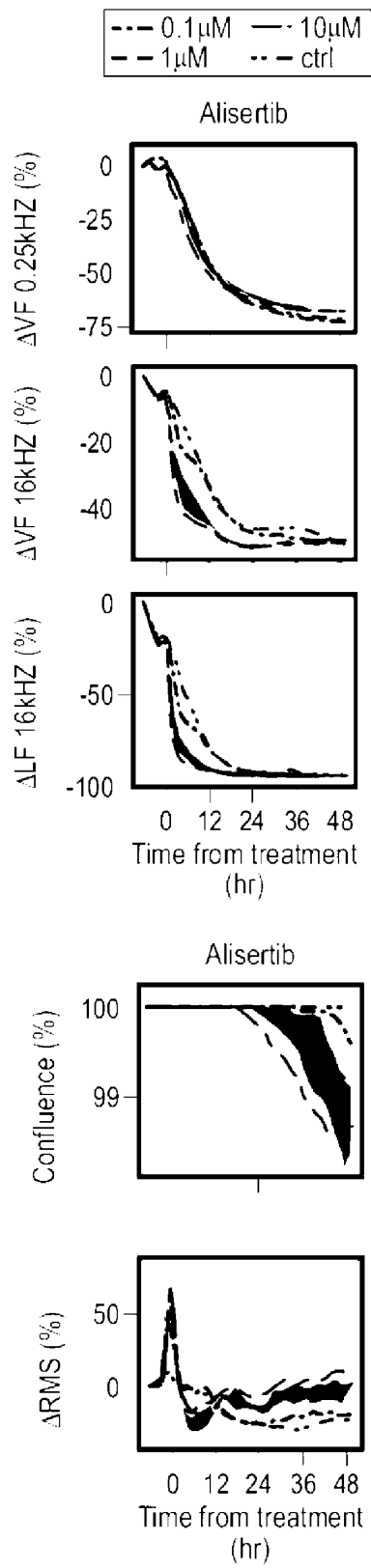


FIG. 29D-4

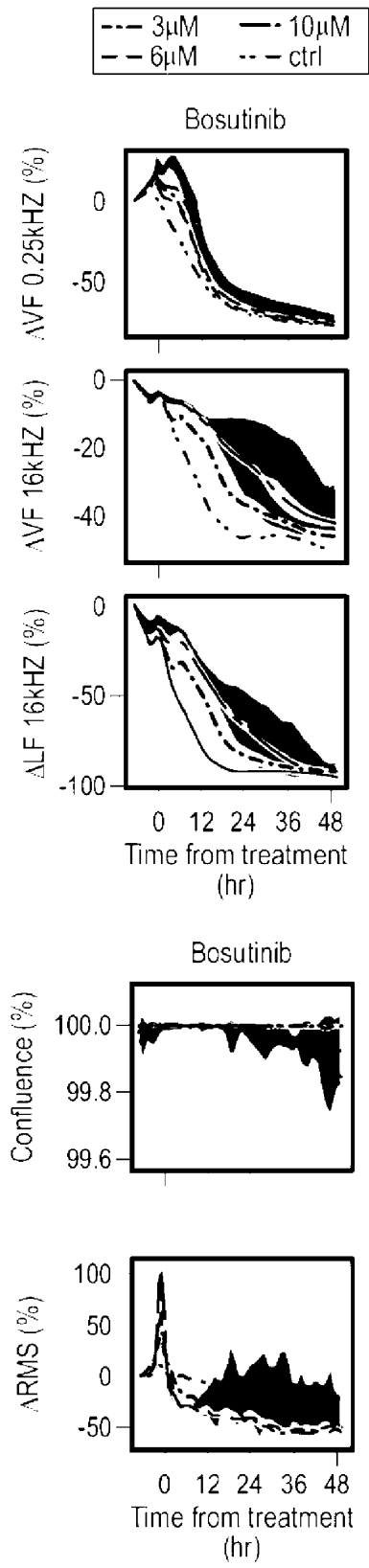


FIG. 29D-5

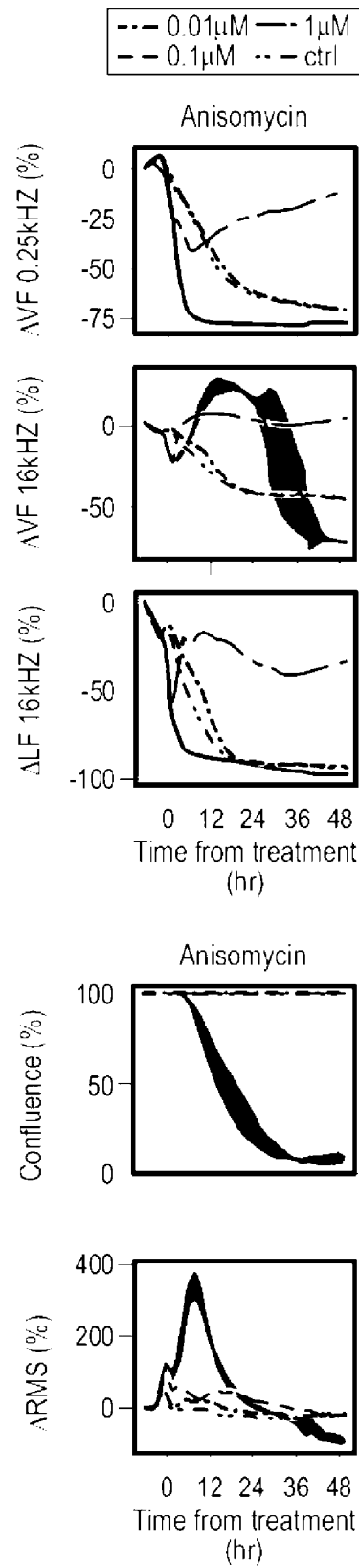


FIG. 29D-6

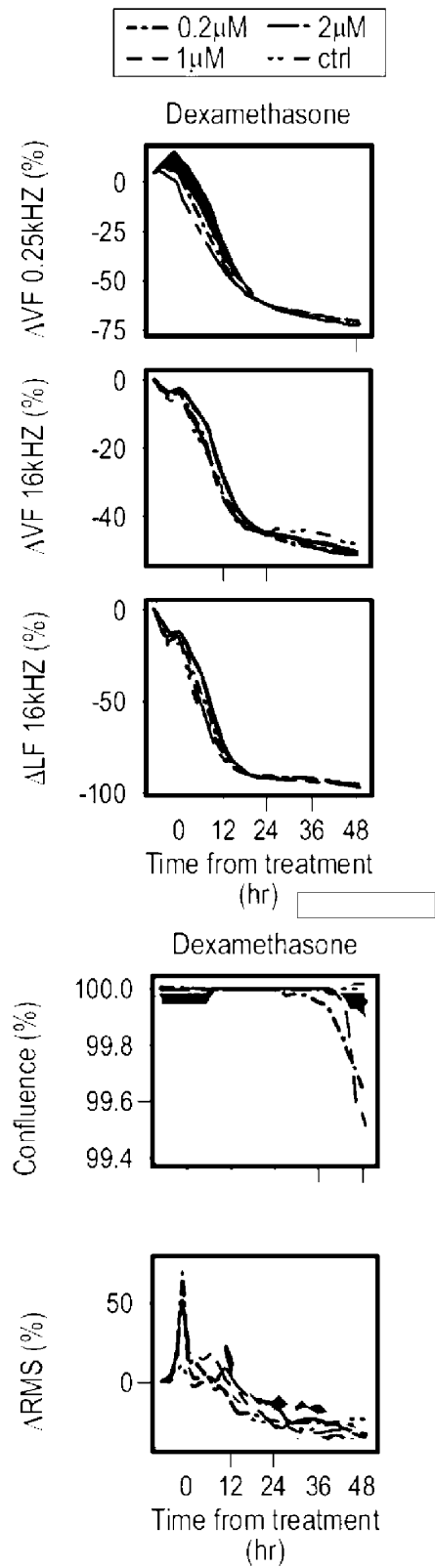


FIG. 29D-7

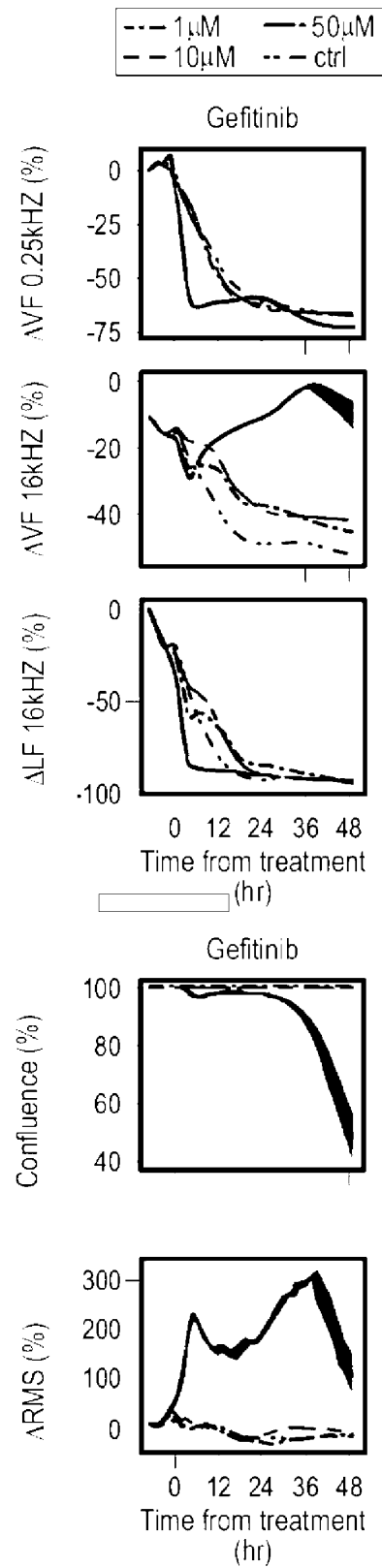


FIG. 29D-8

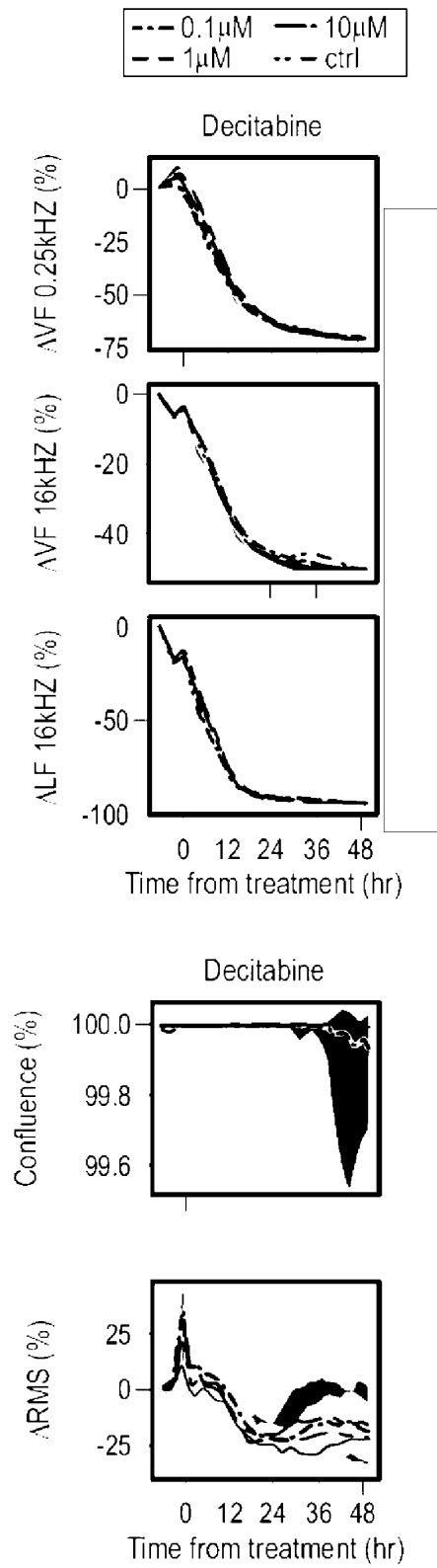


FIG. 29D-9

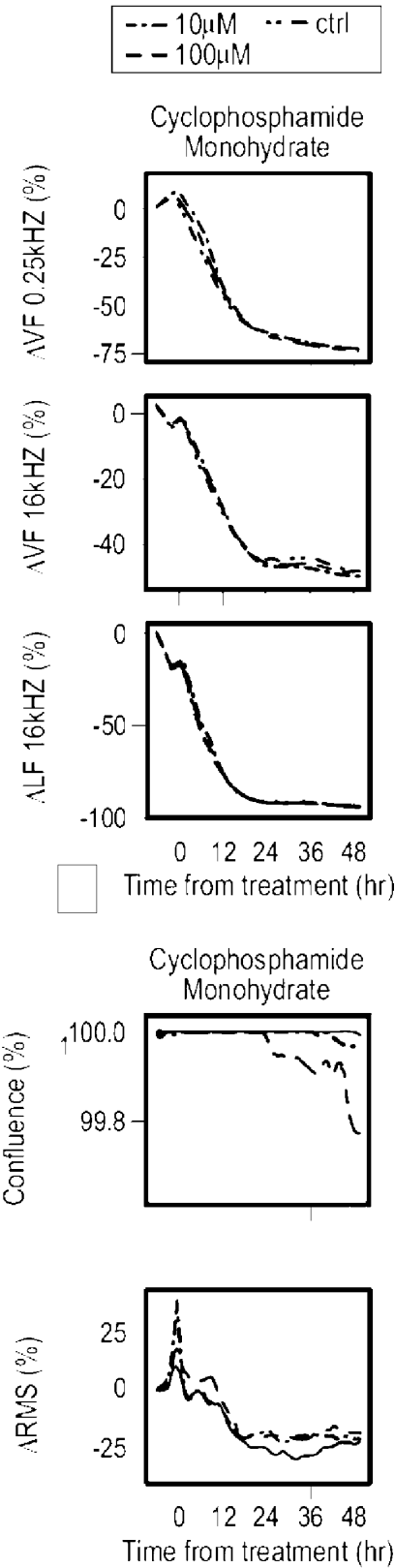


FIG. 29D-10

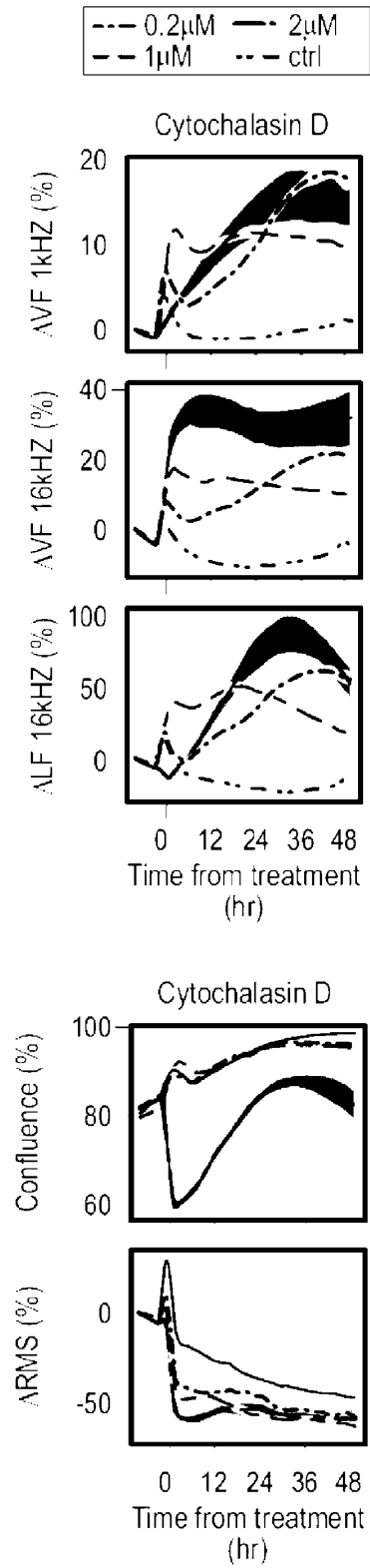


FIG. 29E-1

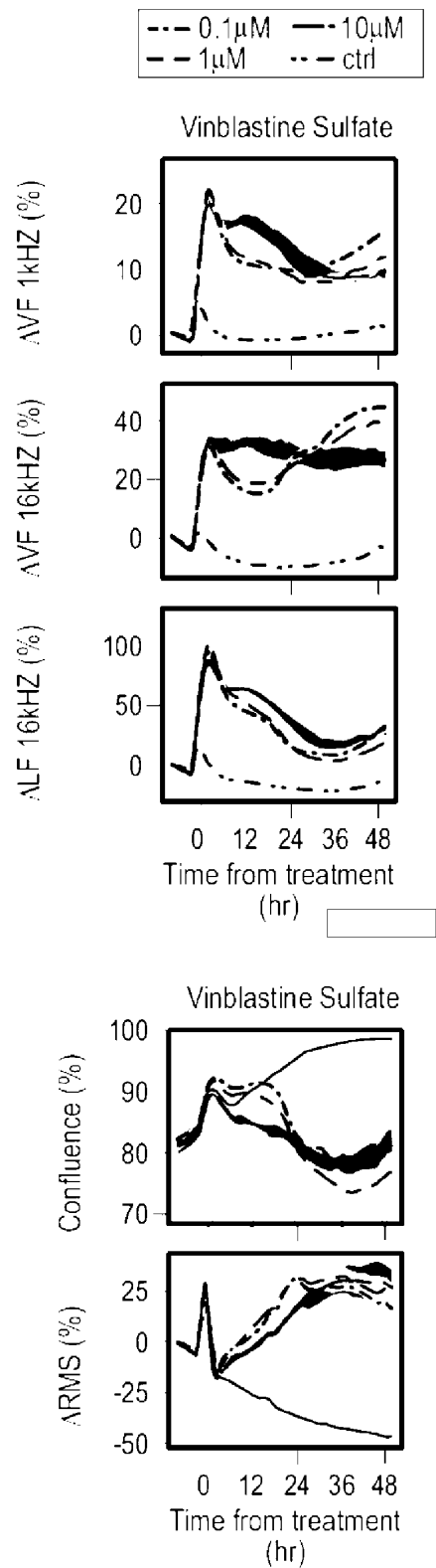


FIG. 29E-2

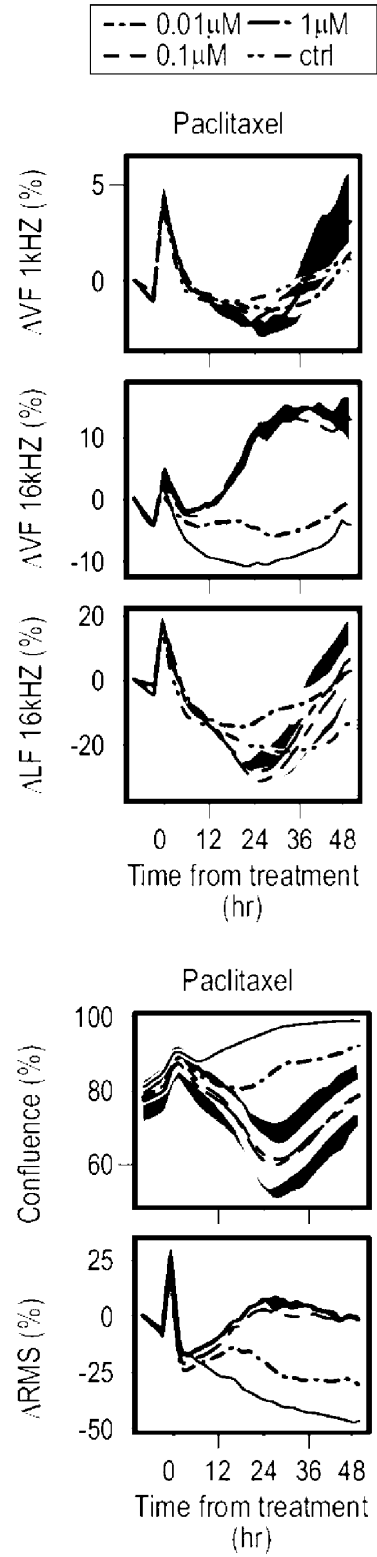


FIG. 29E-3

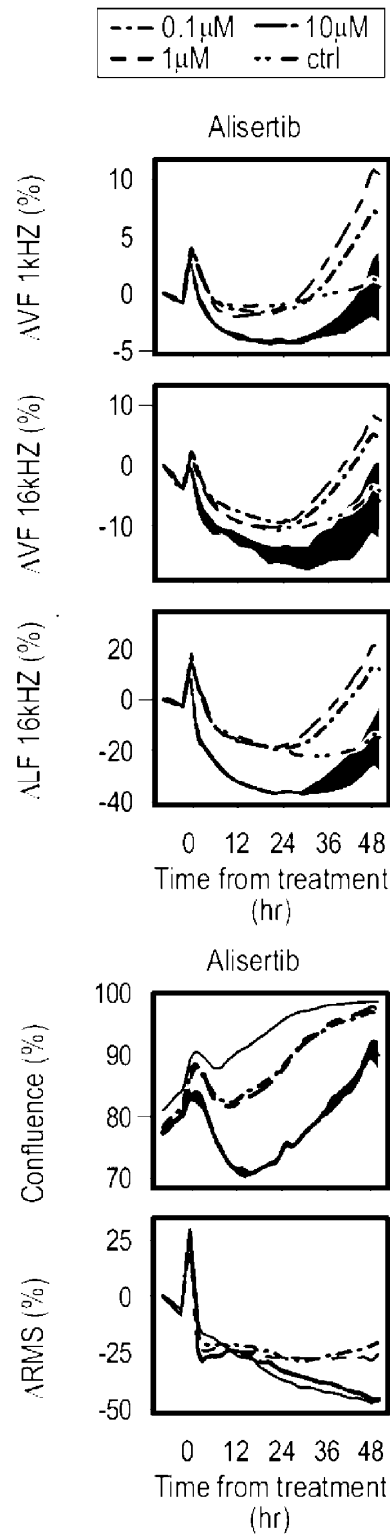


FIG. 29E-4

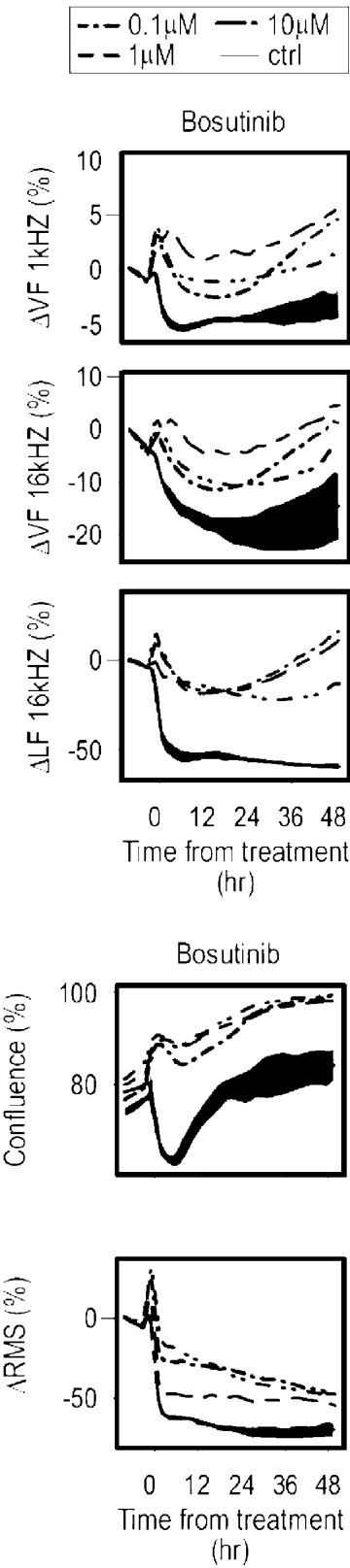


FIG. 29E-5

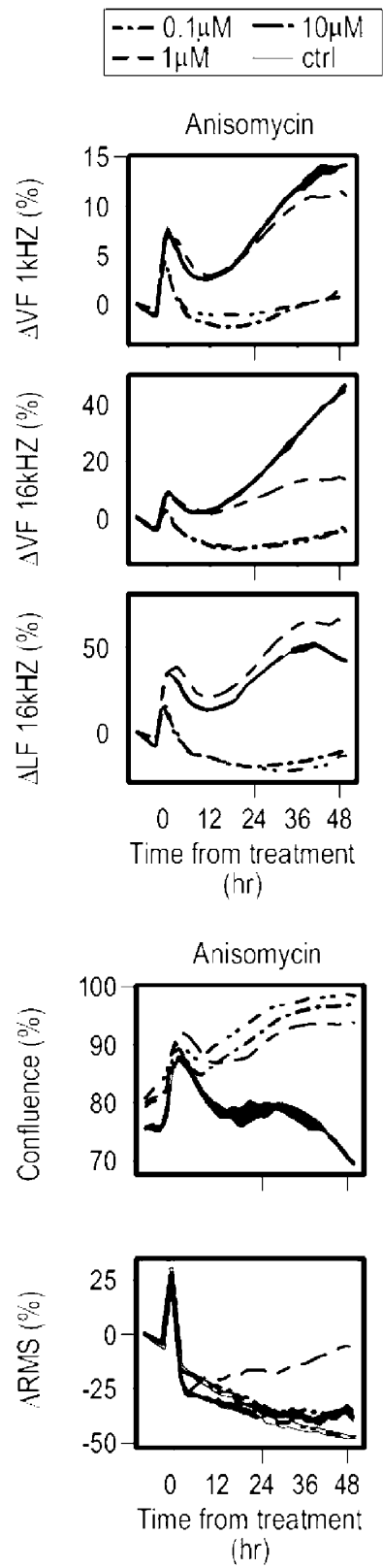


FIG. 29E-6

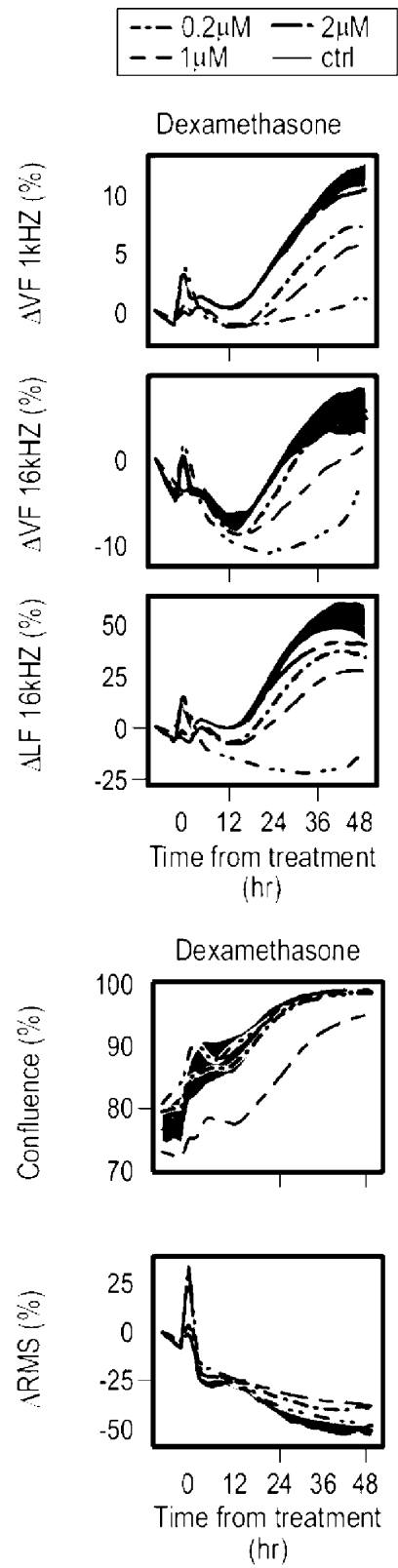


FIG. 29E-7

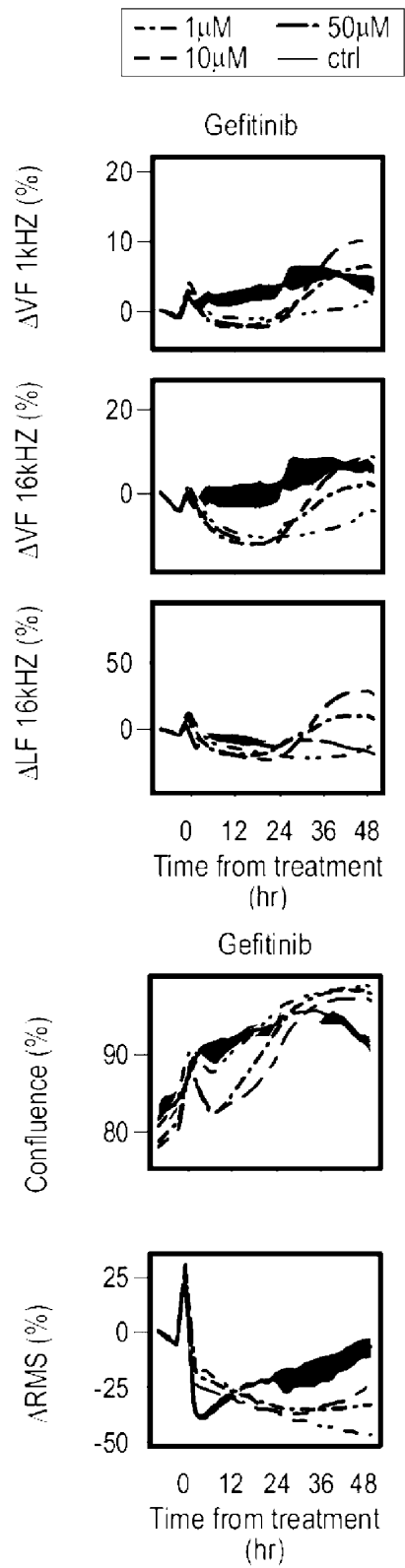


FIG. 29E-8

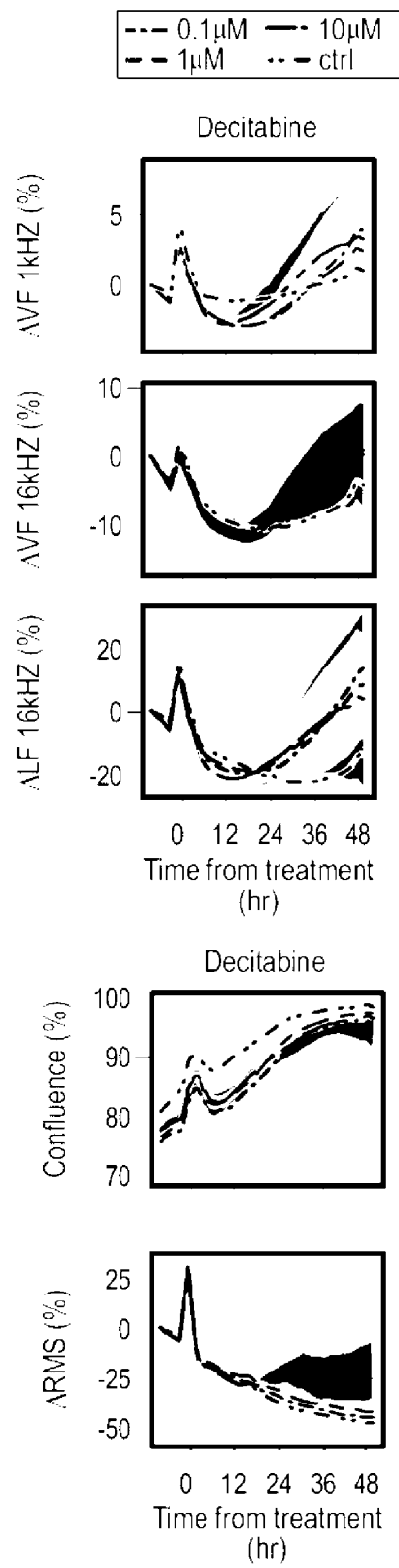


FIG. 29E-9

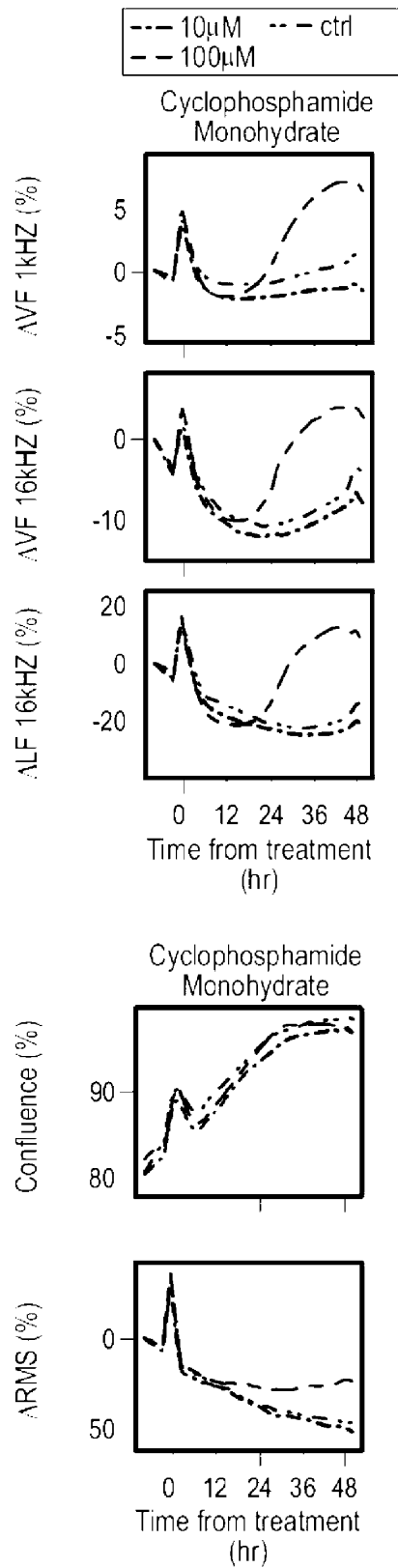


FIG. 29E-10

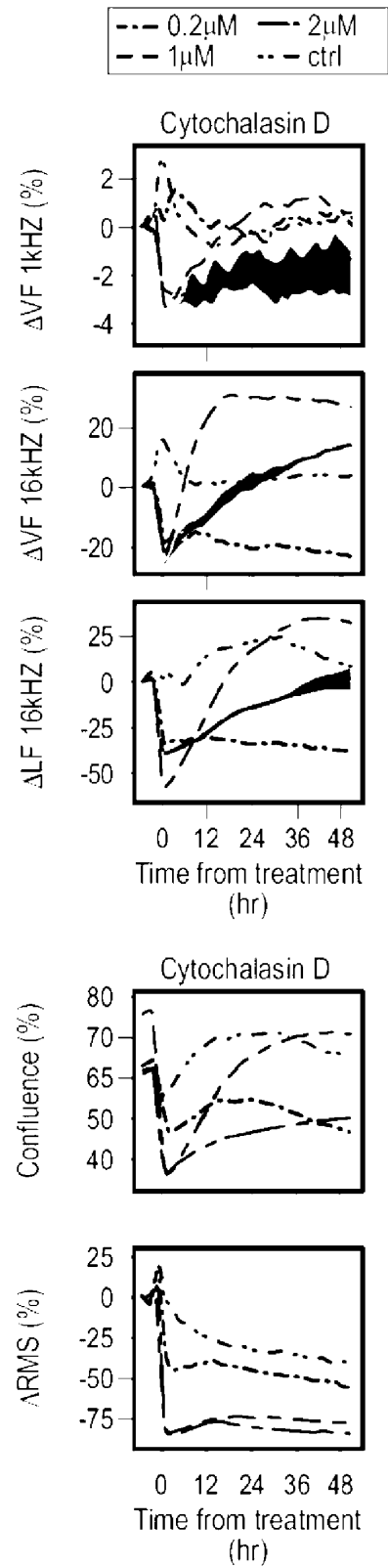


FIG. 29F-1

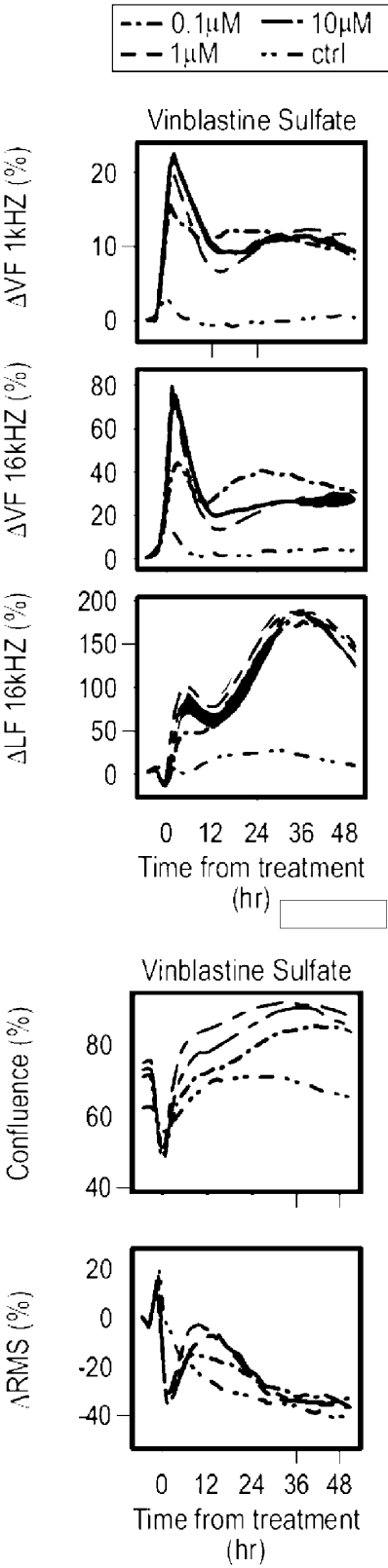


FIG. 29F-2

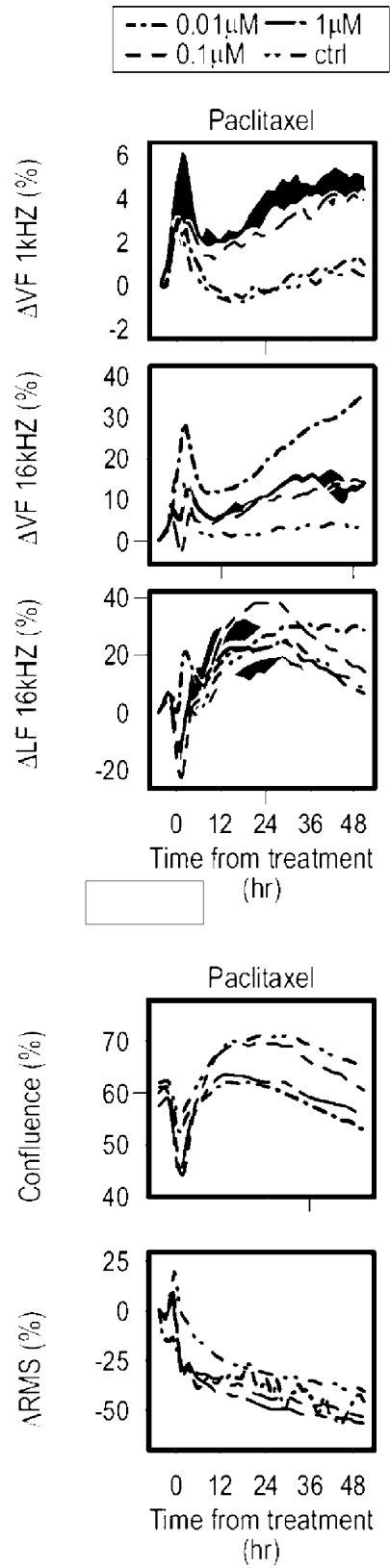


FIG. 29F-3

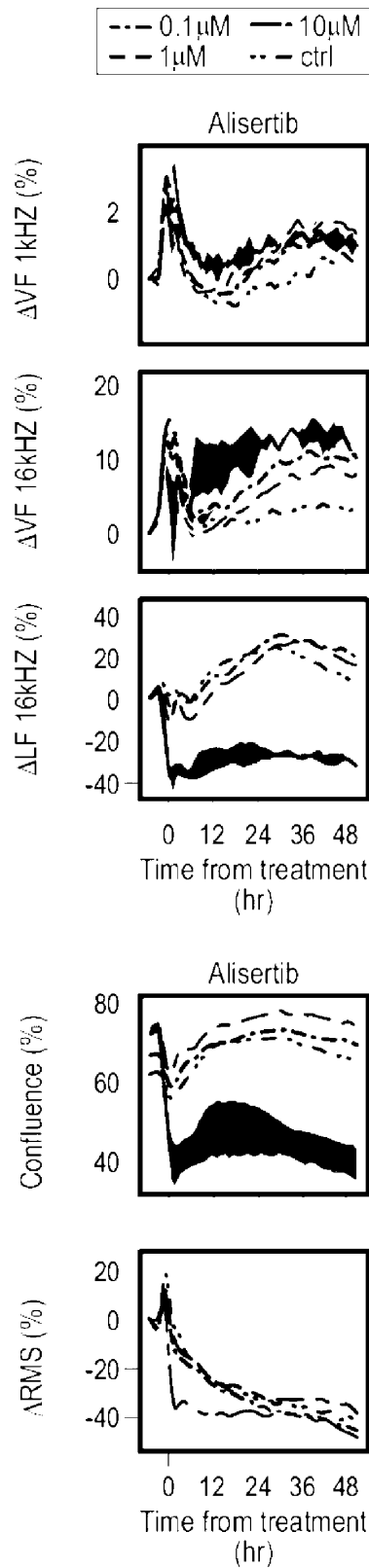


FIG. 29F-4

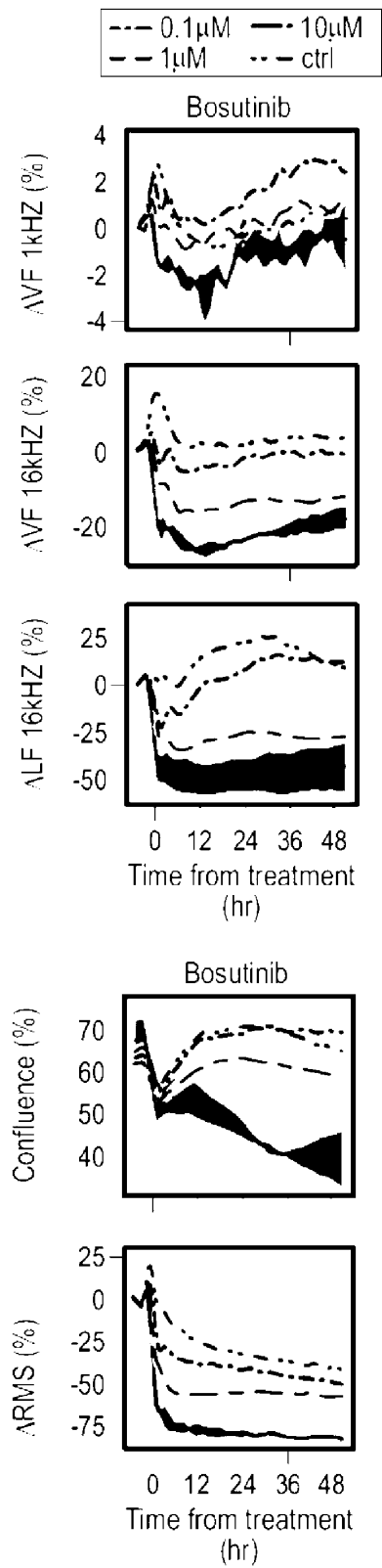


FIG. 29F-5

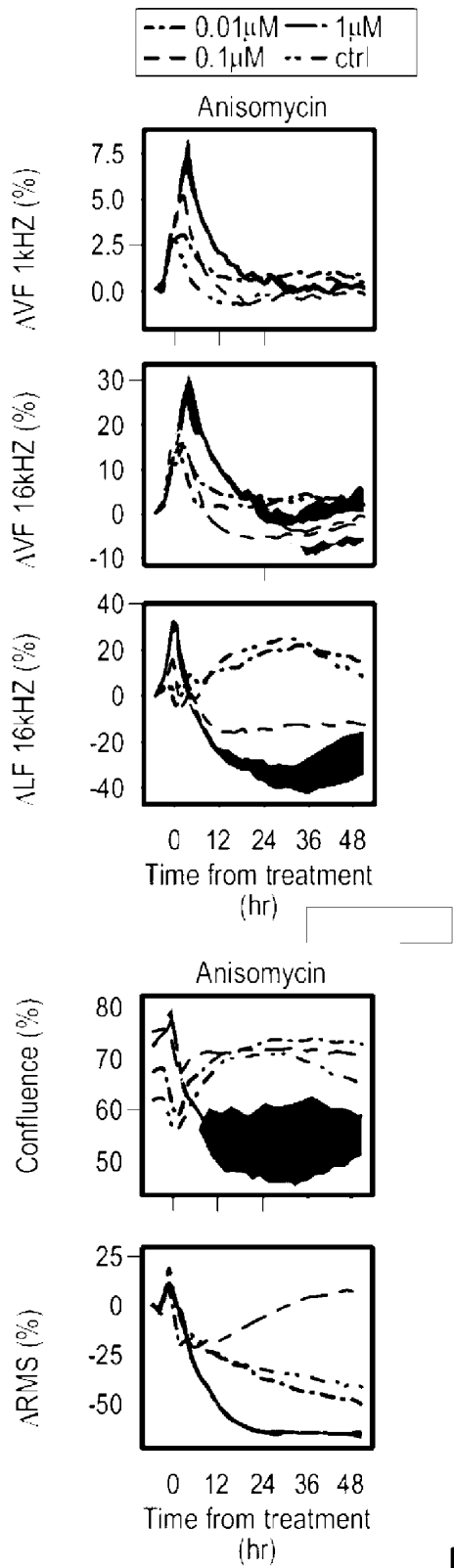


FIG. 29F-6

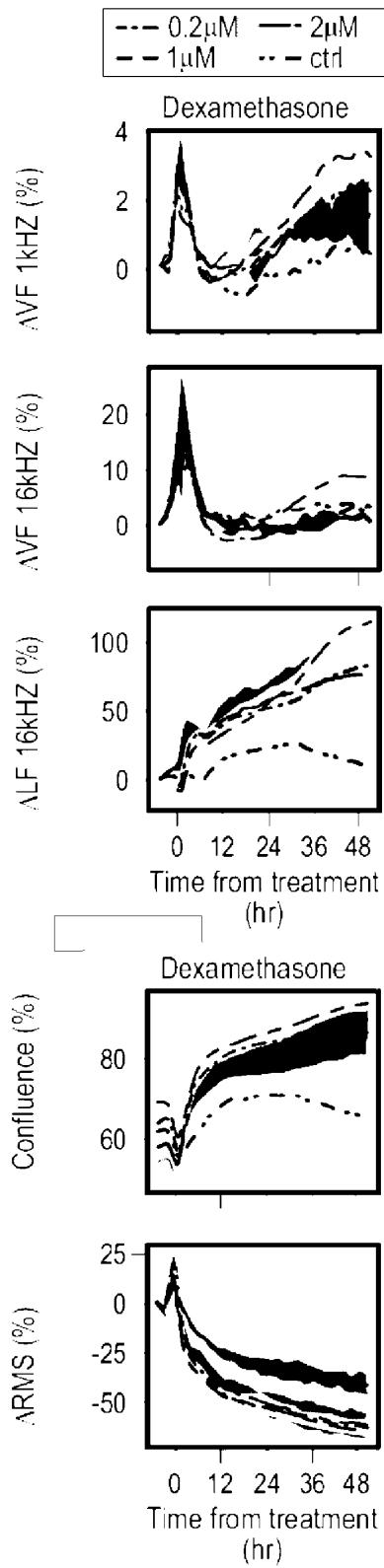


FIG. 29F-7

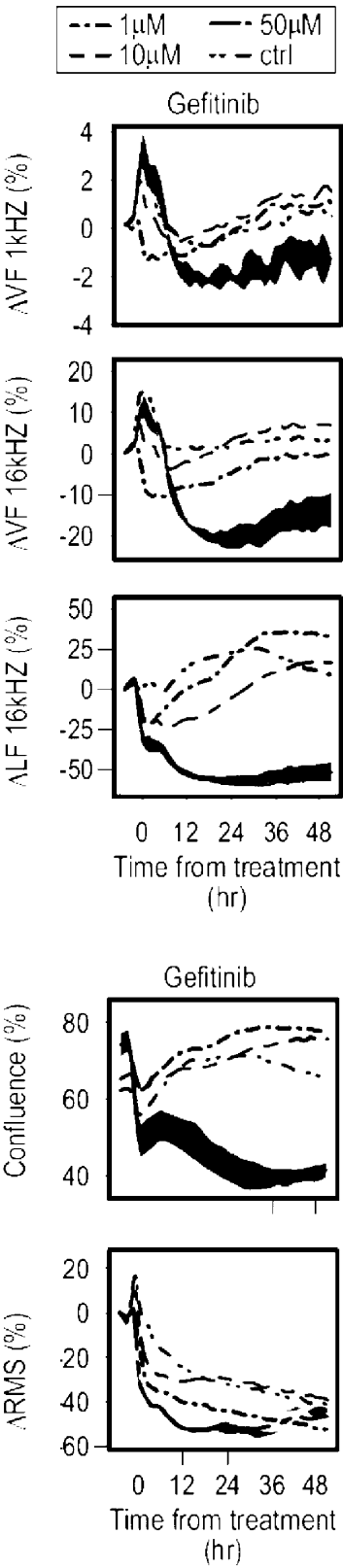


FIG. 29F-8

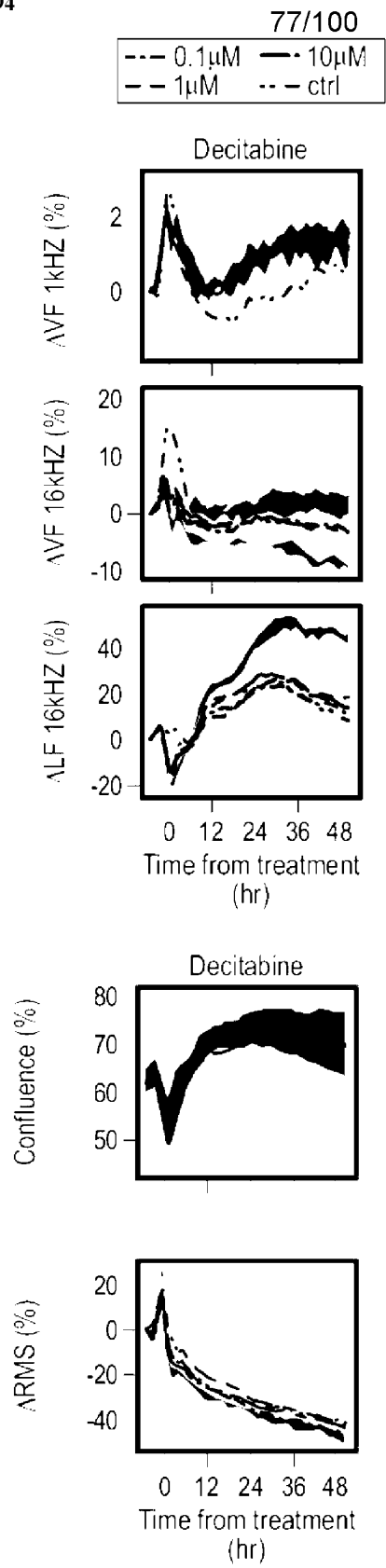


FIG. 29F-9

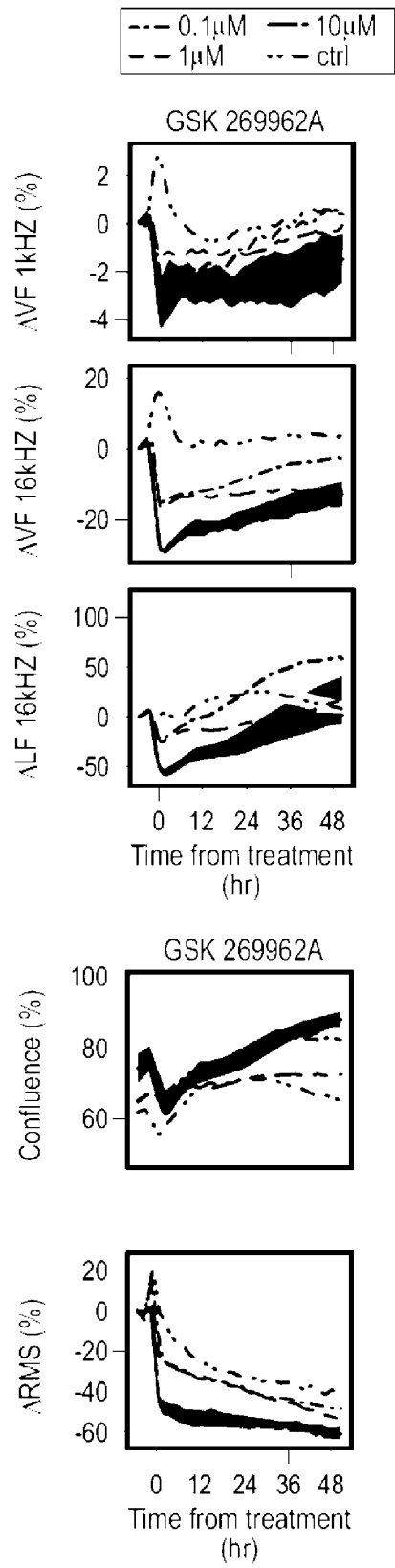


FIG. 29F-10

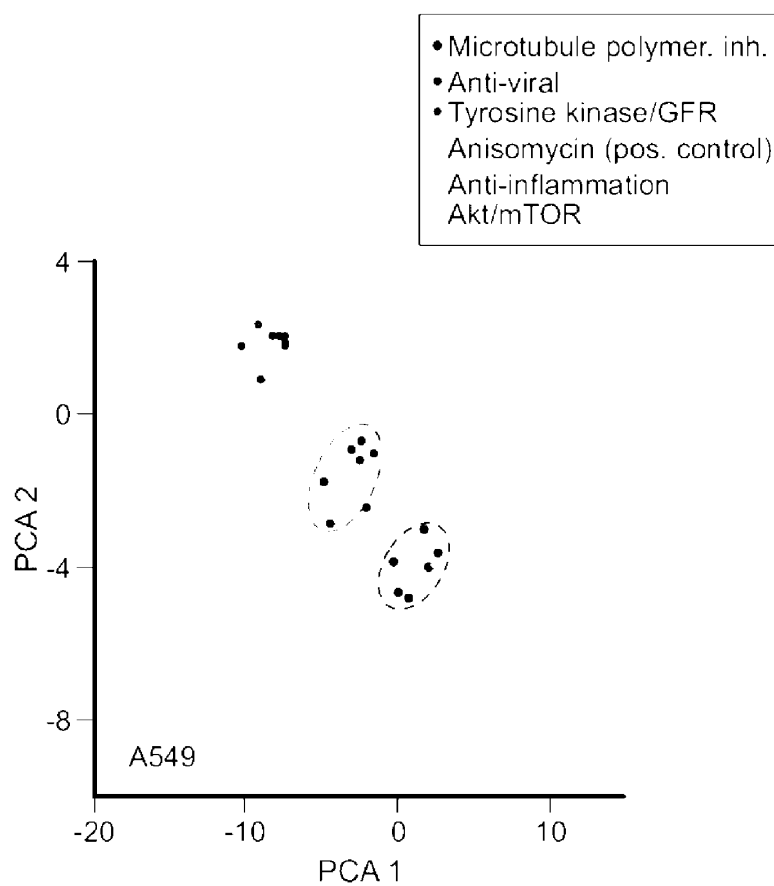
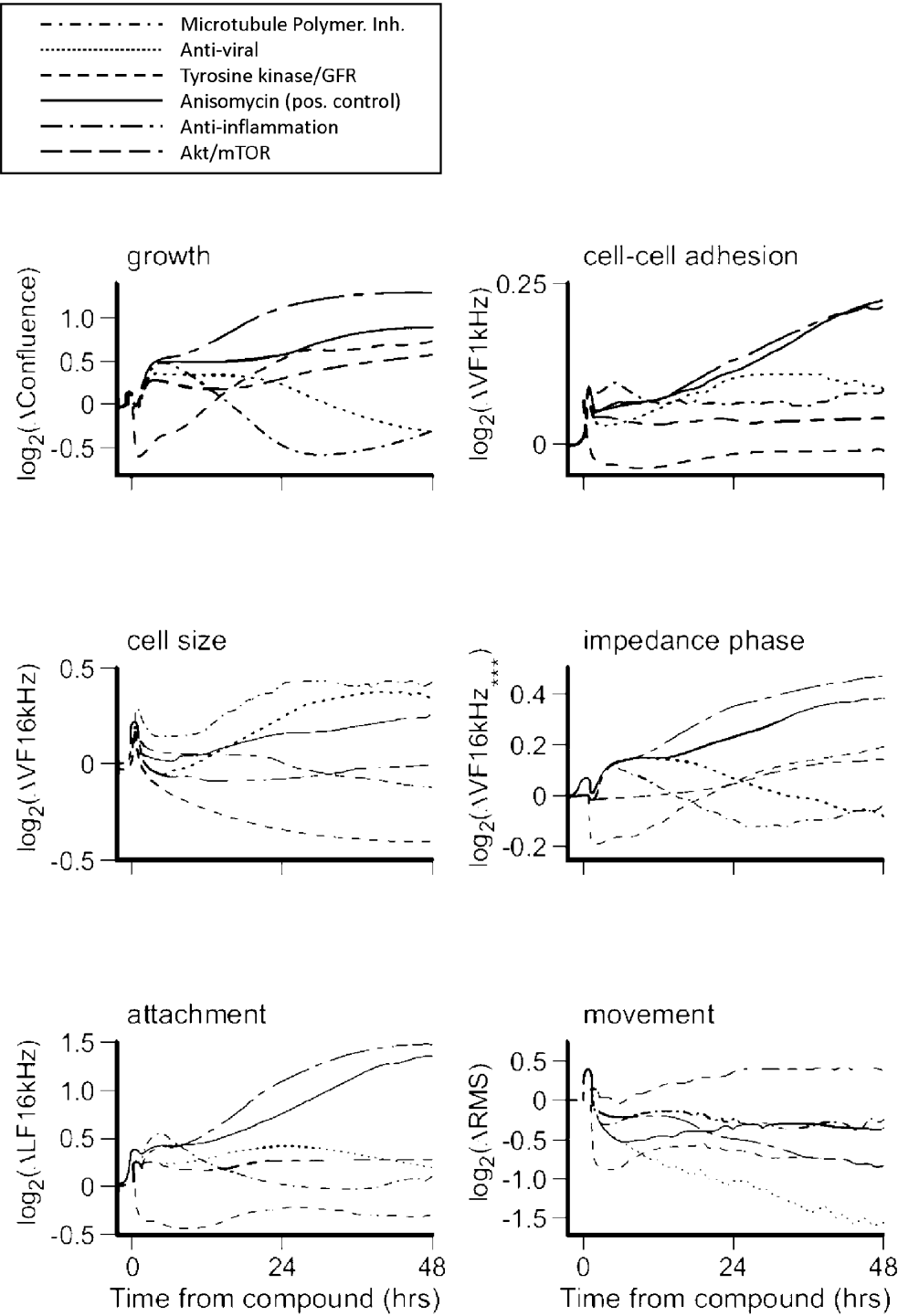


FIG. 30A



Positive control	Anisomycin - plate 1	JNK activator/pos. control
	Anisomycin - plate 2	JNK activator/pos. control
	Anisomycin - plate 3	JNK activator/pos. control
	Anisomycin - plate 4	JNK activator/pos. control
	Anisomycin - plate 5	JNK activator/pos. control
	Drostanolone Propionate	Androgen Receptor
	Detoximetasone	Glucocorticoid Recep
	Tannic acid	CXCR
	Clofazimine	Phospholipase (e.g. PLA)
	Dexamethasone (DHAP)	Autophagy, III, Receptor
	Dexamethasone Acetate	Autophagy, III, Receptor
	Pinaverium bromide	Calcium Channel
	Lenvatinib (E7080)	Protein Tyrosine Kinase
	Bleomycin sulfate	DNA/RNA Synthesis
	Roxadustat (FG-4592)	HIF/Angiogenesis
	Ribociclib (LEE011)	CDK/Cell Cycle
	Rapamycin (Sirolimus)	PI3K/Akt/mTOR
	Zotarolimus (ABT-578)	PI3K/Akt/mTOR
	Ridaforolimus (Deforoli...	PI3K/Akt/mTOR
	Temsirolimus (CCI-779...	PI3K/Akt/mTOR
	Everolimus (RAD001)	PI3K/Akt/mTOR
	Fingolimod (FTY720) HCl	GPCR & G Protein
	Fingolimod	GPCR & G Protein
Microtubule polymer inh.	Picropodophyllin (PPP)	IGF-1R
	Flubendazole	Autophagy
	Vincristine sulfate	Autophagy, Microtubule Asc...
	Monomethyl auristatin E	Microtubule Associated
	Combretastatin A4	Microtubule Associated
	HMN-214	PLK
	Triptolide (PG490)	NF- κ B/ Anti-viral
	Halofuginone	DNA/RNA Synthesis/ Anti-viral
	Harringtonine	Cancer/ Anti-viral
	Homoharringtonine	STAT/ Anti-viral
	Nintedenib (Bi8F 1120)	PDGFR, FGFR, VEGFR, FLT3, Src
	Nintedenib Ethanes...	PDGFR, FGFR, VEGFR, FLT3, Src
	Bosutinib (SKI-606)	BCR-Abl, Src, PDGFR, VEGFR
	Vandetanib (ZD6474)	VEGFR, EGFR, RET
	Gilteritinib (ASP2215)	FLT3, TAM Receptor
	GS-9876 (Lanraplenib)	Syk

FIG. 30C

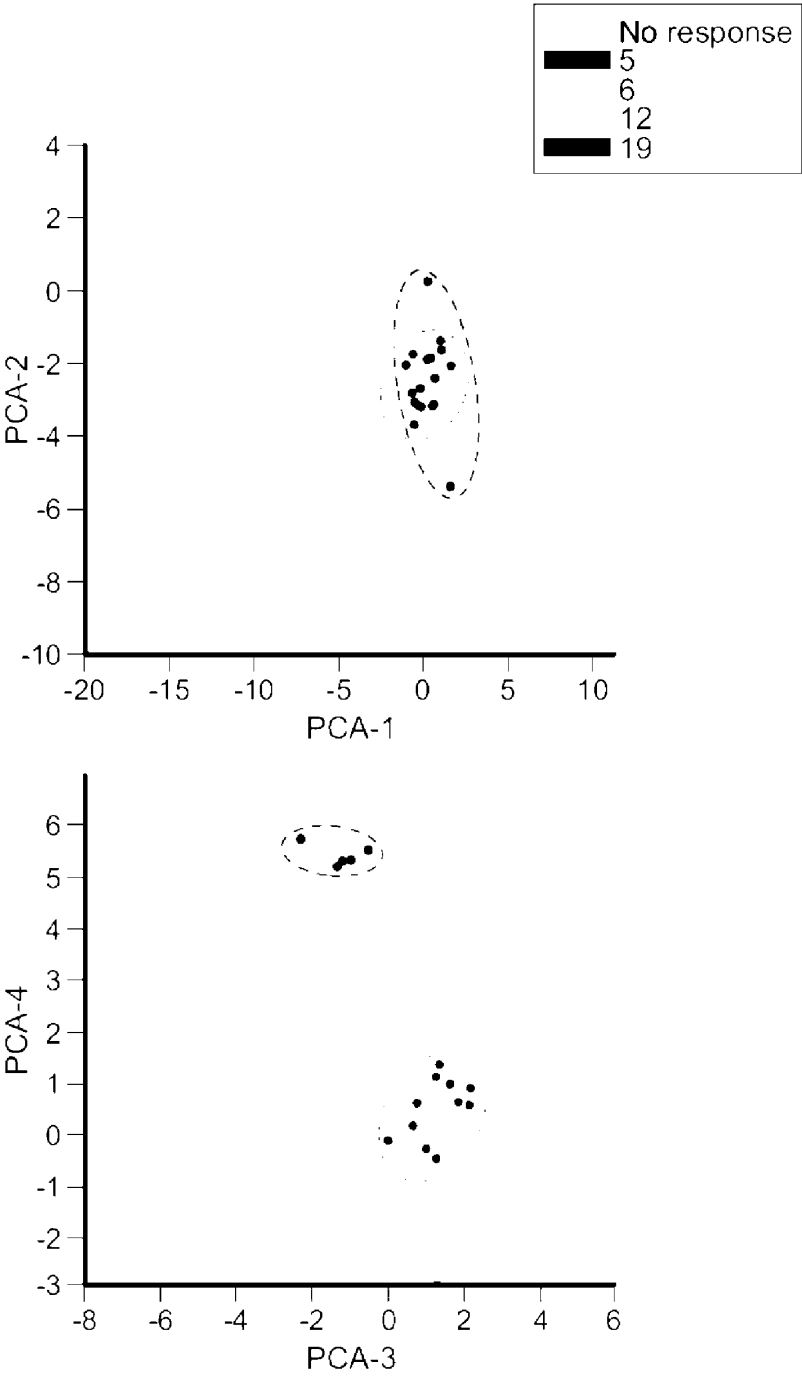


FIG. 30D

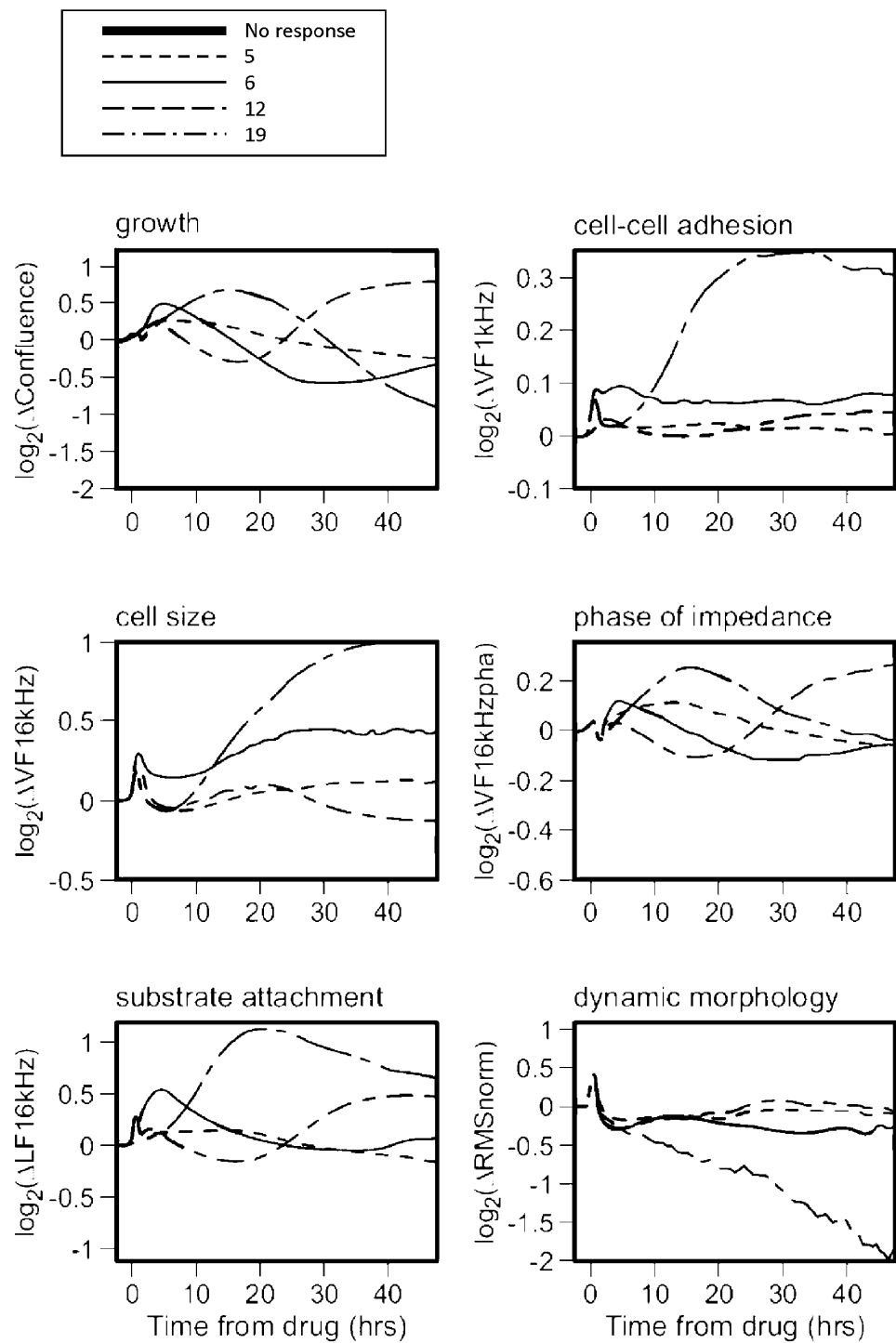
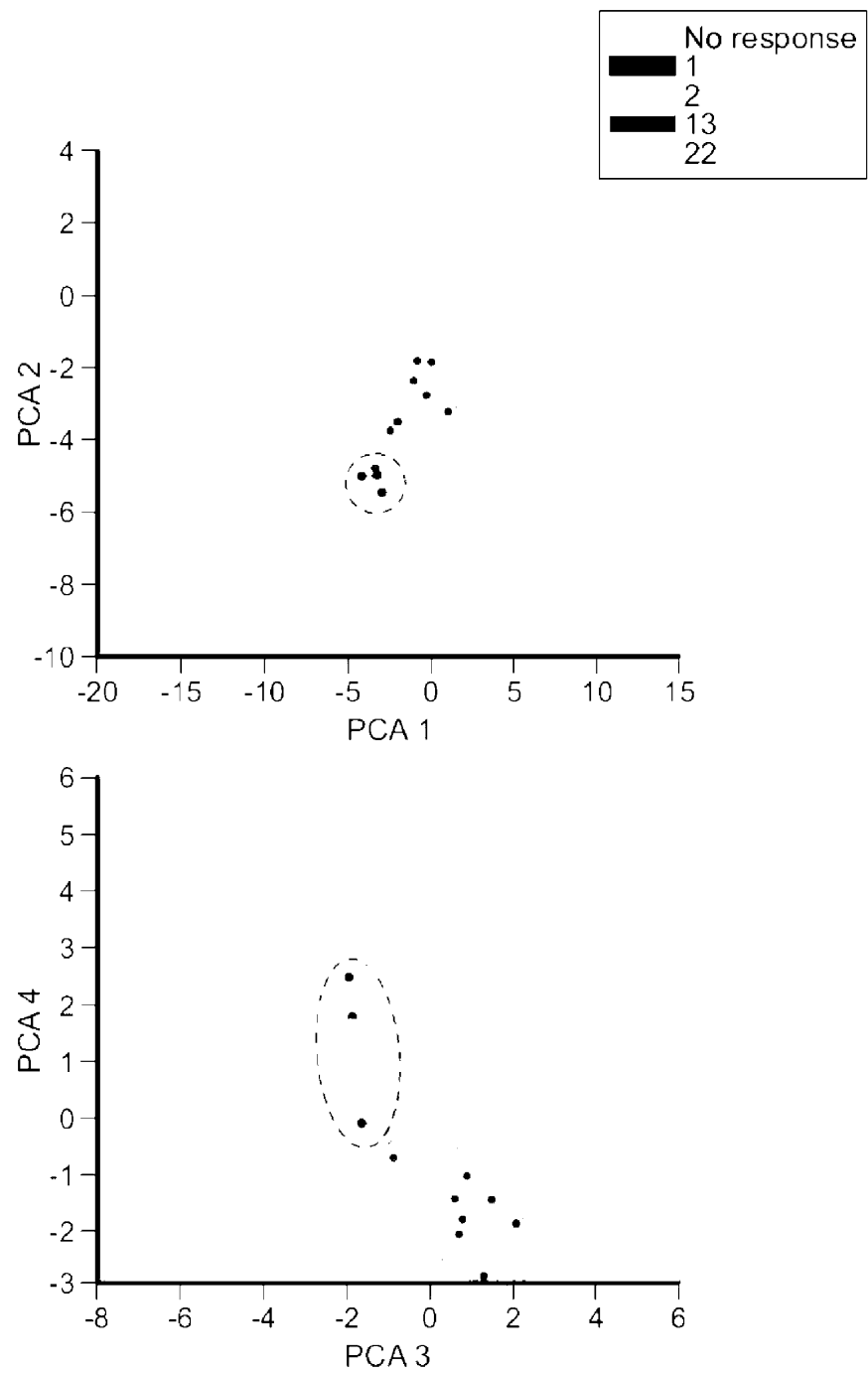


FIG. 30E

	Masitinib (AB1010)	c-Kit,PDGFR
	Selinexor (KPT-330)	CRM1
	Pralatrexate	DHFR
	Raltitrexed	DNA Synthesis/DNA Damage
	Floxuridine	DNA Synthesis/DNA Damage
DNA replication inhibitors	Cyclocytidine HCl	DNA Synthesis/DNA Damage
	Mechlorethamine HCl	DNA Synthesis/DNA Damage
	TAS-102	DNA Synthesis/DNA Damage
	Gemcitabine HCl	DNA Synthesis/DNA Damage
	Camofur	DNA Synthesis/DNA Damage
	Etoposide	Topoisomerase/DNA Damage
	Irinotecan HCl Trihydr...	Topoisomerase/DNA Damage
	Hydroxy Camptothecine	Topoisomerase/DNA Damage
	Picropodophyllin (PPP)	IGF-1R
	Flubendazole	Autophagy
Microtubule polymerization inhibitor	Vincristine sulfate	Autophagy, Microtubule Associa...
	Monomethyl auristati...	Microtubule Associated
	Combretastatin A4	Microtubule Associated
	HMN-214	PLK
	Docetaxel	Cytoskeletal Signaling
	Paclitaxel	Cytoskeletal Signaling
	Cabazitaxel	Cytoskeletal Signaling
Microtubule depolymerization inhibitor/ anti-mitotic	CP21R7 (CP21)	Stem Cells & Wnt
	Dioscin	Saponin, DNA damage
	Evodiamine	NF-κB
	Carbendazim	Anti-mycotic, Reproductive defects
	Casticin	TGFβ1
	19 CB-5083	ATPase/Transmembrane transp...
	19 Doxorubicin (Adriam...	Topoisomerase/DNA damage
Doxorubicin derivatives	19 Epirubicin HCl	Topoisomerase/DNA damage
	19 Pirarubicin	Topoisomerase/DNA damage
	19 Daunorubicin HCl	Topoisomerase/DNA damage

FIG. 30F



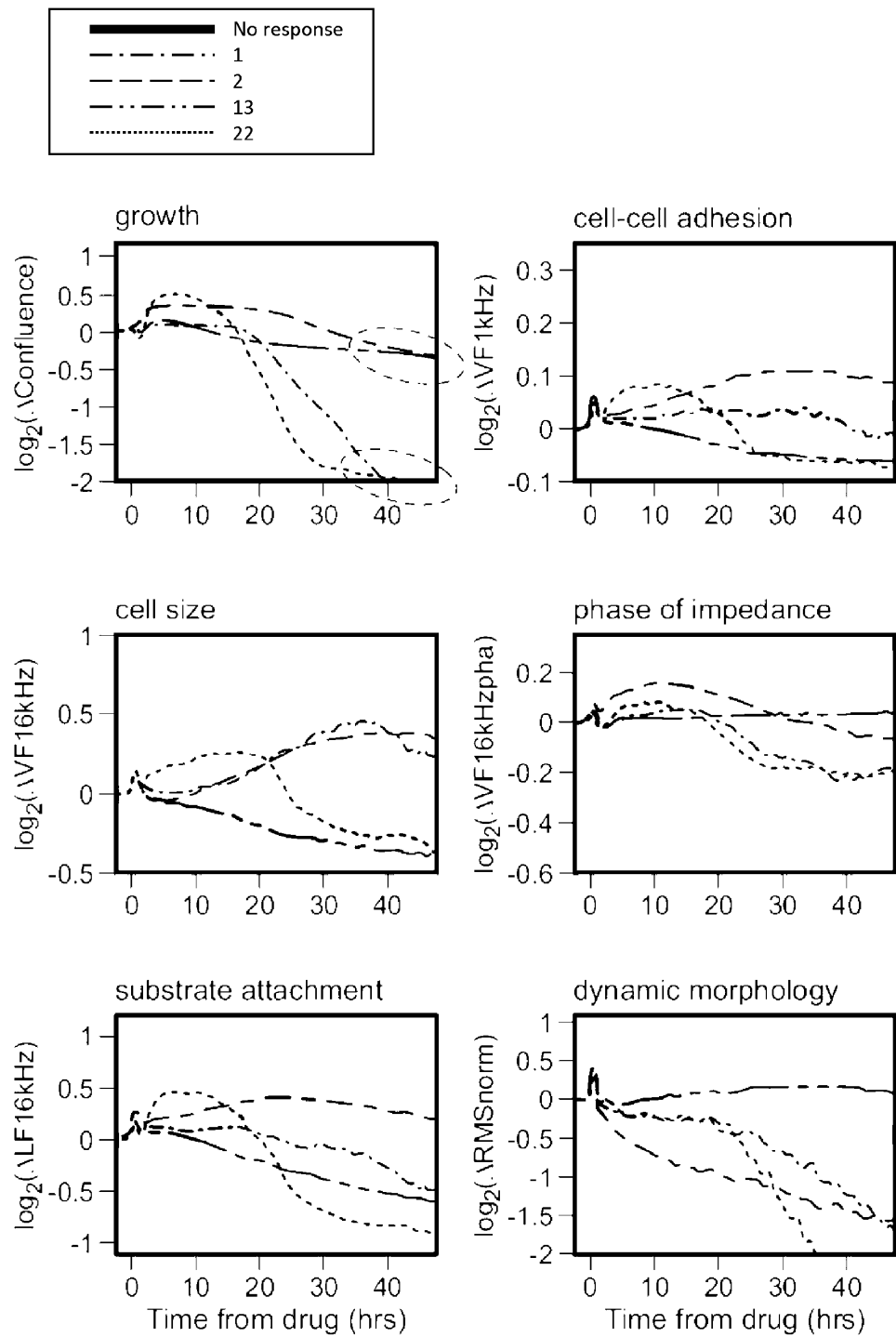


FIG. 30H

Proteasome-reversible	1	Ixazomib (MLN2238)	Proteasome
	1	Ixazomib Citrate (MLN...	Proteasome
	1	Panobinostat (LBH589)	HDAC
Proteasome-irreversible	22	Lanatoside C	ATPase
	22	Bortezomib (PS-341)	Proteasome
	22	Carfilzomib (PR-171)	Proteasome
	13	Vemurafenib (PLX4032...	B-Raf inhibitor
Anti-proliferation	13	Sorafenib Tosylate	PDGFR, Raf, VEGFR
	13	Rucaparib (AG-014699...	PARP
	13	Amonafide	Topoisomerase inhibitor
	13	Vorinostat (SAHA...	HDAC, Autophagy
	13	Entinostat (MS-275)	HDAC
	13	Tucidinostat (Chidam...	HDAC
Anti-viral	13	Triapine	DNA/RNA Synthesis
	2	Triptolide (PG490)	NF- κ B/ Anti-viral
	2	Halofuginone	DNA/RNA Synthesis/ Anti-viral
	2	Harringtonine	Cancer/ Anti-viral
	2	Homoharringtonine	STAT/ Anti-viral

FIG. 30I

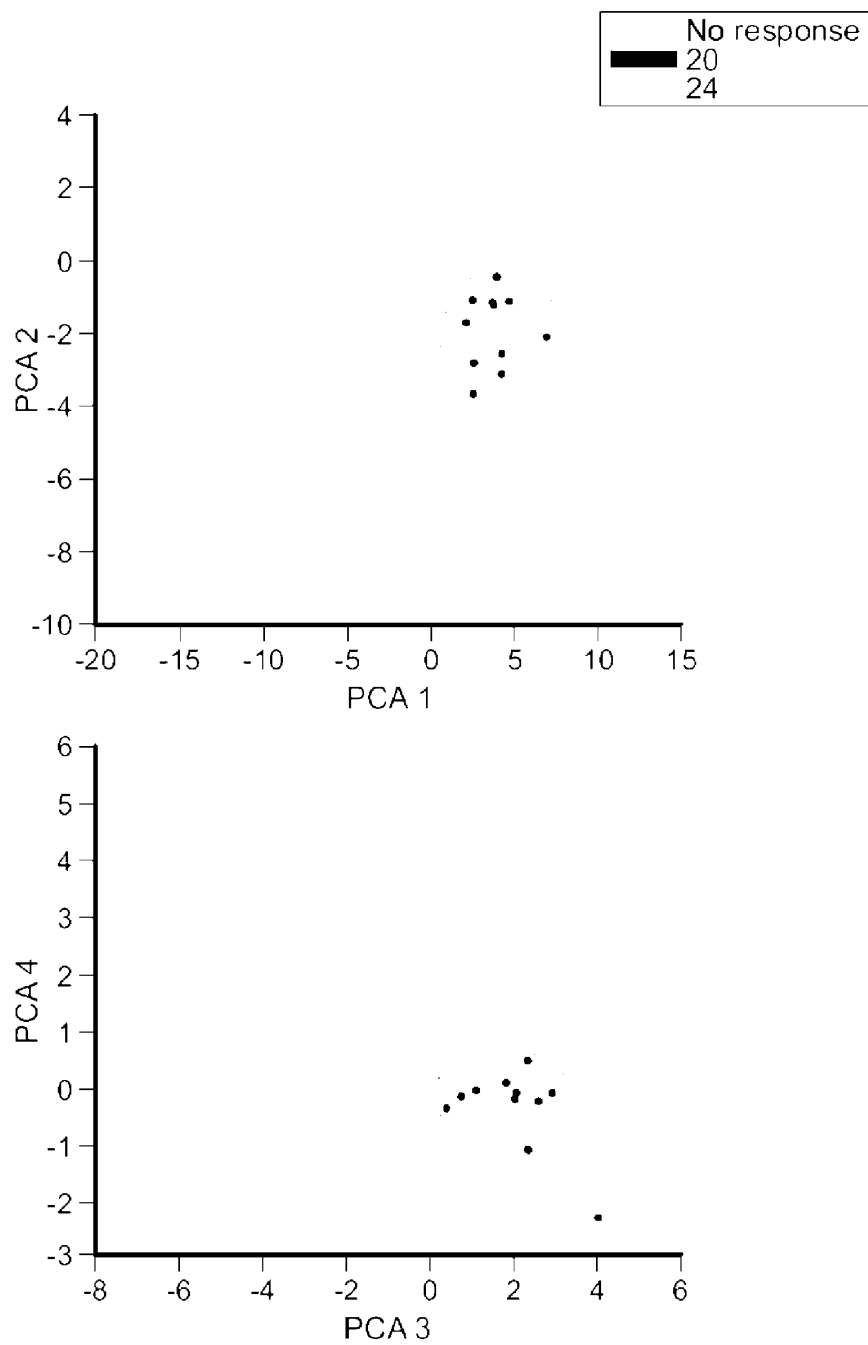


FIG. 30J

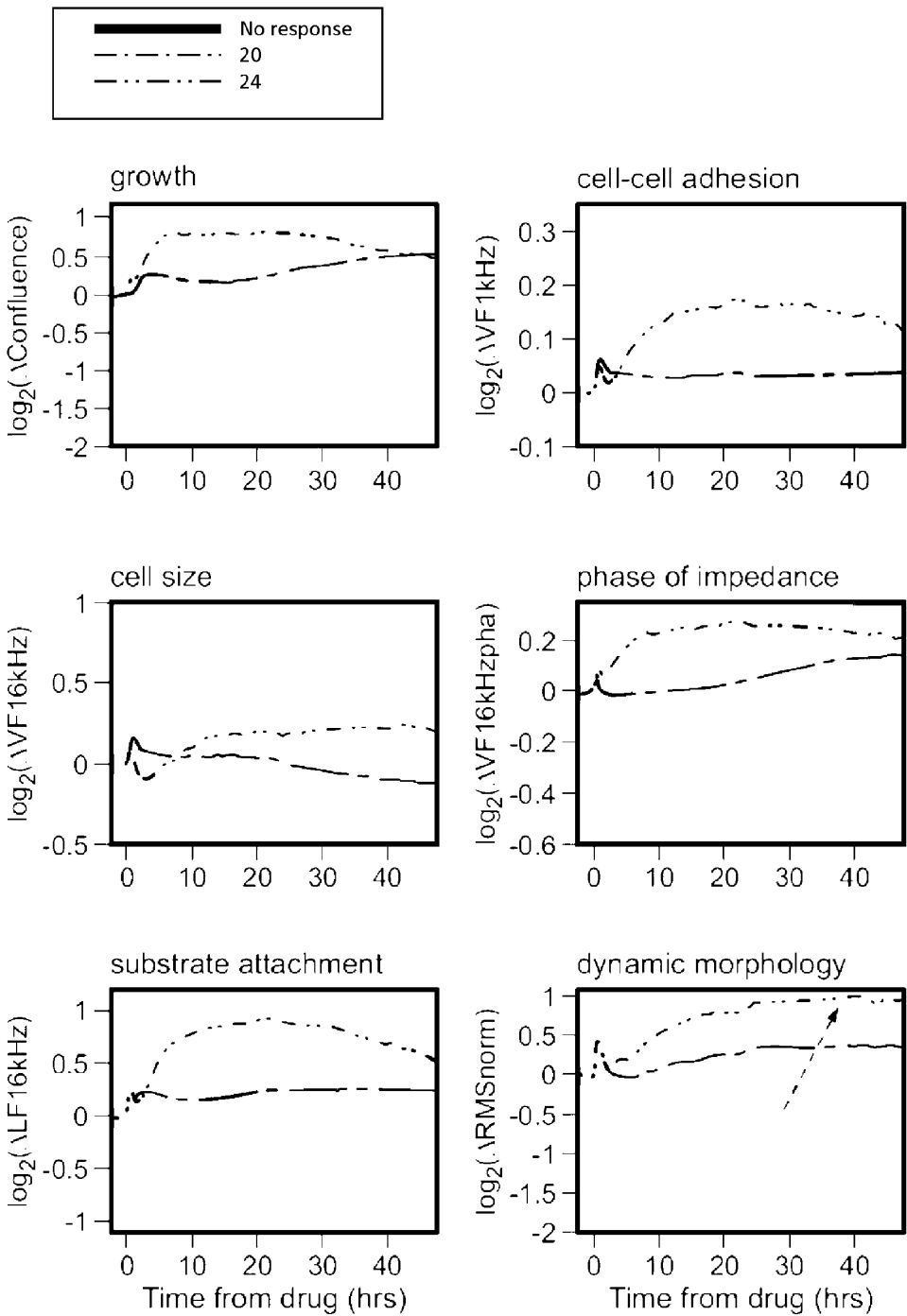


FIG. 30K

	Lenvatinib (E7080)	Protein Tyrosine Kinase
	Bleomycin sulfate	DNA/RNA Synthesis
	Roxadustat (FG-4592)	HIF/Angiogenesis
	Ribociclib (LEE011)	CDK/Cell Cycle
Anti-proliferative	Rapamycin (Sirolimus)	PI3K/Akt/mTOR
	Zotarolimus(ABT-578)	PI3K/Akt/mTOR
	Ridaforolimus (Defor...	PI3K/Akt/mTOR
	Temsirolimus (CCI-779...	PI3K/Akt/mTOR
	Everolimus (RAD001)	PI3K/Akt/mTOR
	Fingolimod (FTY720) HCl	GPCR & G Protein
	Fingolimod	GPCR & G Protein
Anti-parasitic	24 Perifosine (KRX-0401)	PI3K/Akt/mTOR
	24 Miltefosine	PI3K/Akt/mTOR, Anti-parasitic

FIG. 30L

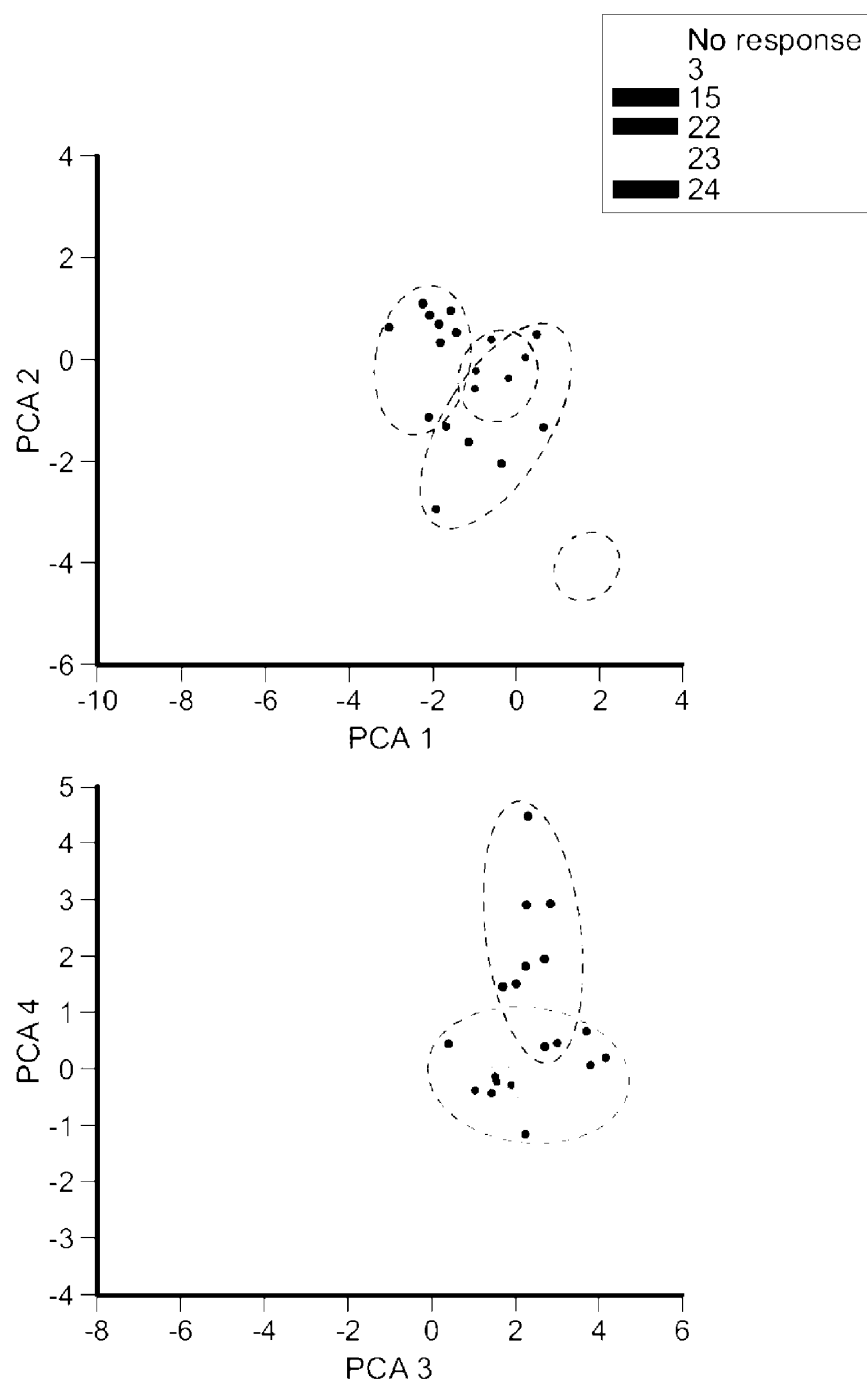


FIG. 31A

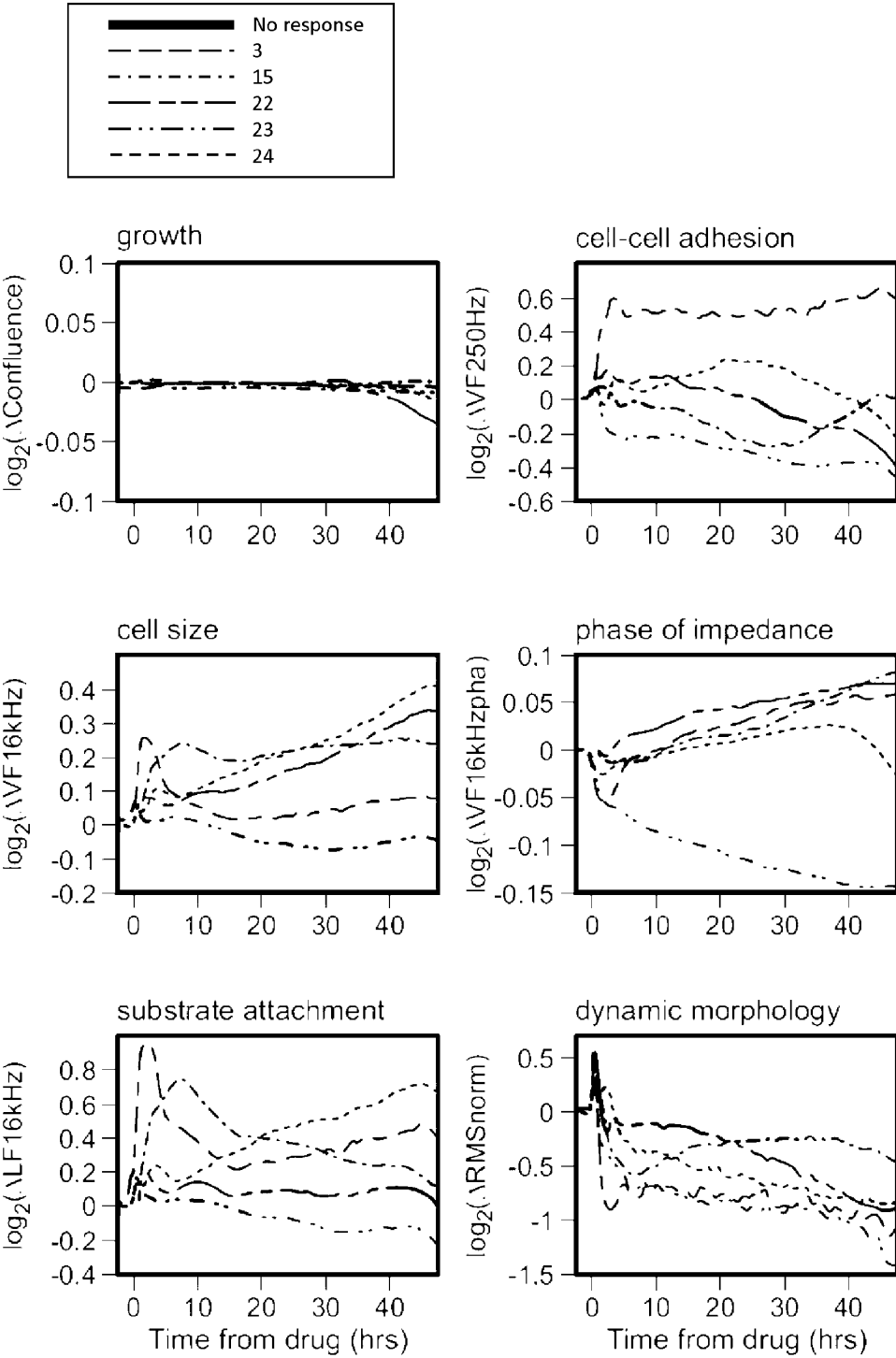


FIG. 31B

	Amonafide	Topoisomerase inhibitor
15	Vincristine sulfate	Autophagy, Microtubule Associated
15	HMN-214	PLK
15	Fedratinib (SAR302503...	JAK
15	Cepharanthine	TNF-alpha
15	Vinblastine sulfate	Microtubule Associated, AChR
15	Picropodophyllin (PPP)	IGF-1R
15	Monomethyl auristatin...	Microtubule Associated
15	Combretastatin A4	Microtubule Associated
22	YM 201636 - plate 1	PIKfyve Inhibitor/pos. control
22	YM 201636 - plate 2	PIKfyve Inhibitor/pos. control
22	YM 201636 - plate 3	PIKfyve Inhibitor/pos. control
22	YM 201636 - plate 4	PIKfyve Inhibitor/pos. control
22	YM 201636 - plate 5	PIKfyve Inhibitor/pos. control
	Bosutinib - plate 1	Src/pos. control
	Bosutinib - plate 2	Src/pos. control
	Bosutinib - plate 3	Src/pos. control
	Bosutinib - plate 4	Src/pos. control
	Bosutinib - plate 5	Src/pos. control
	Bosutinib (SKI-606)	BCR-Abl, Src, PDGFR, VEGFR
15	Anisomycin - plate 1	JNK activator/pos. control
15	Anisomycin - plate 2	JNK activator/pos. control
15	Anisomycin - plate 3	JNK activator/pos. control
15	Anisomycin - plate 4	JNK activator/pos. control
15	Anisomycin - plate 5	JNK activator/pos. control

FIG. 31C

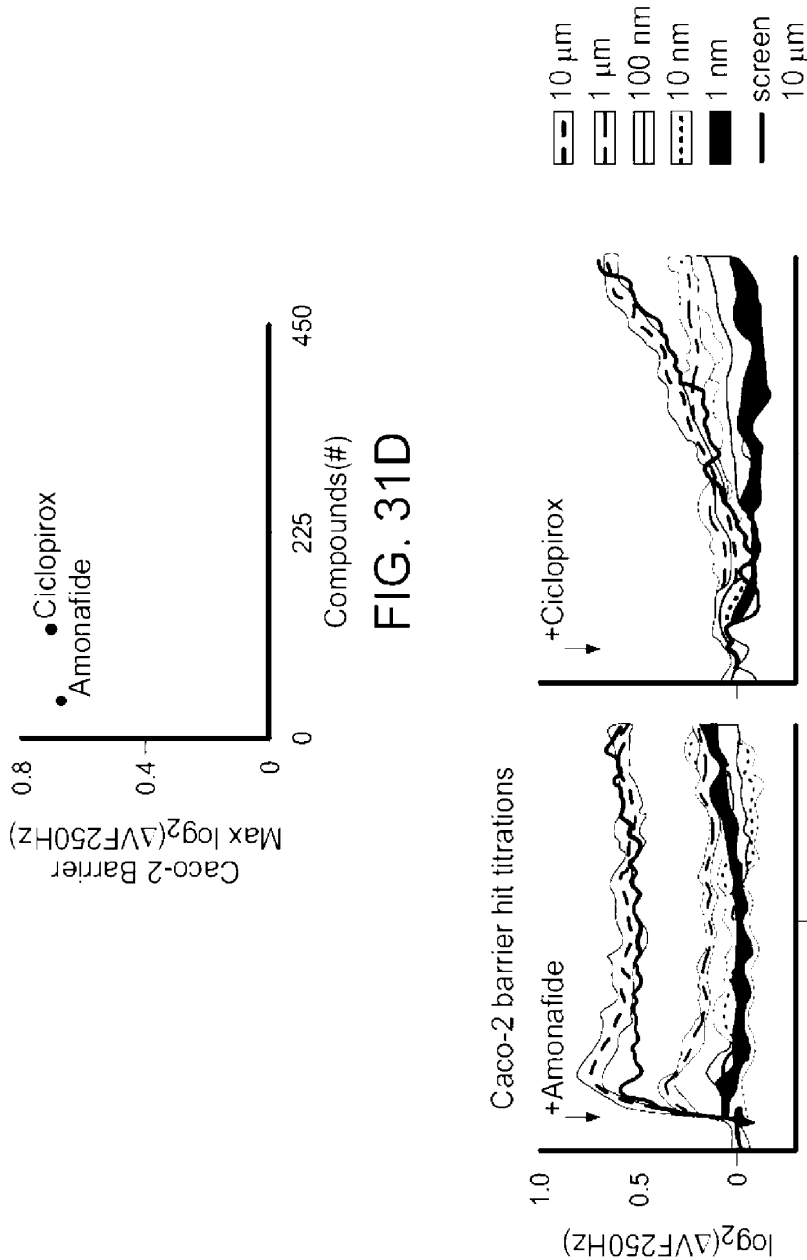


FIG. 31E

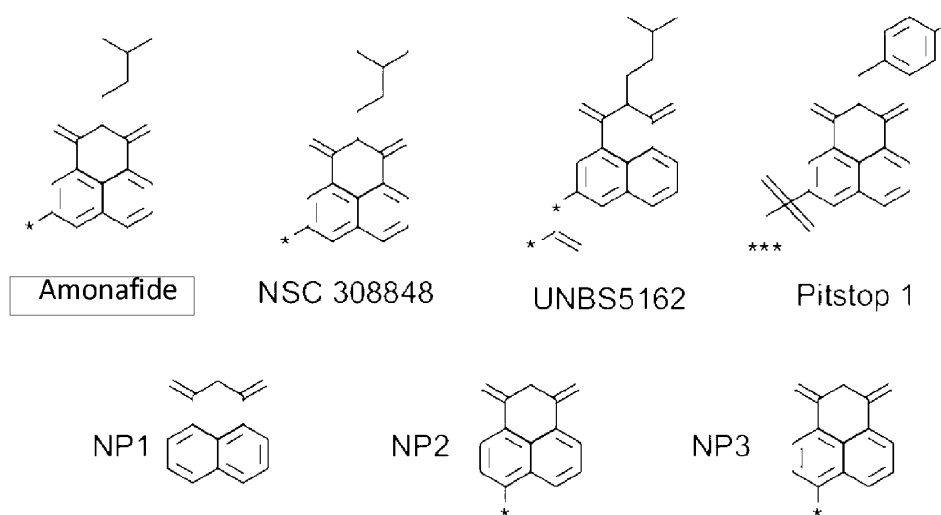


FIG. 31F

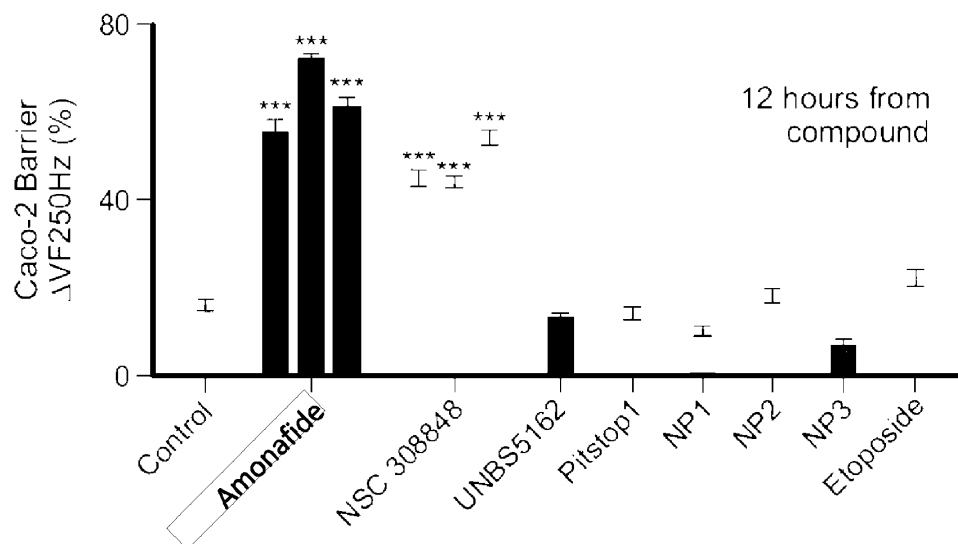


FIG. 31G

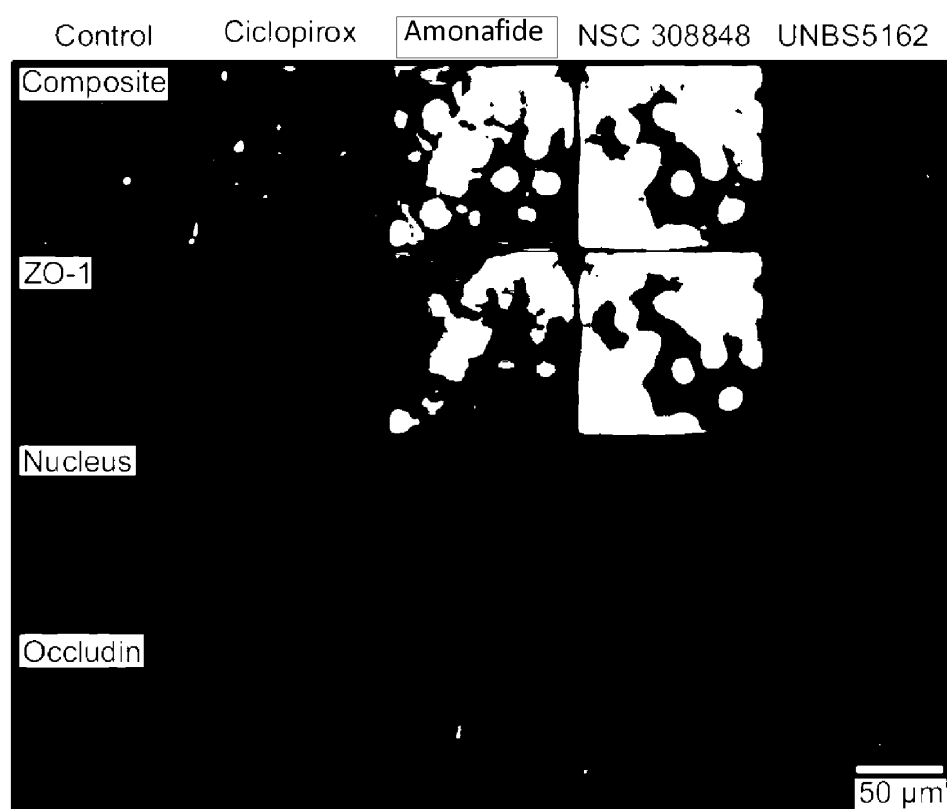


FIG. 31H

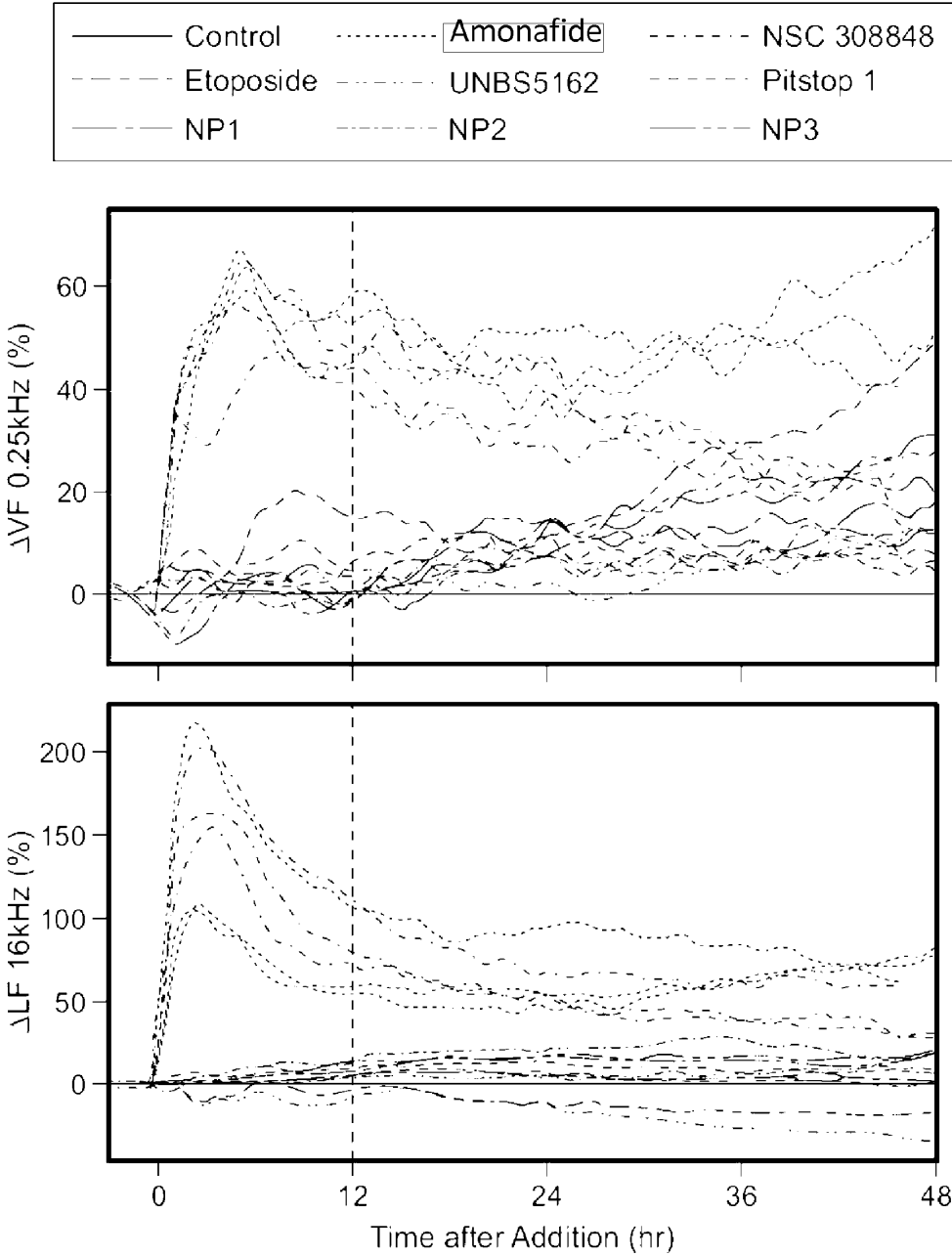


FIG. 31I

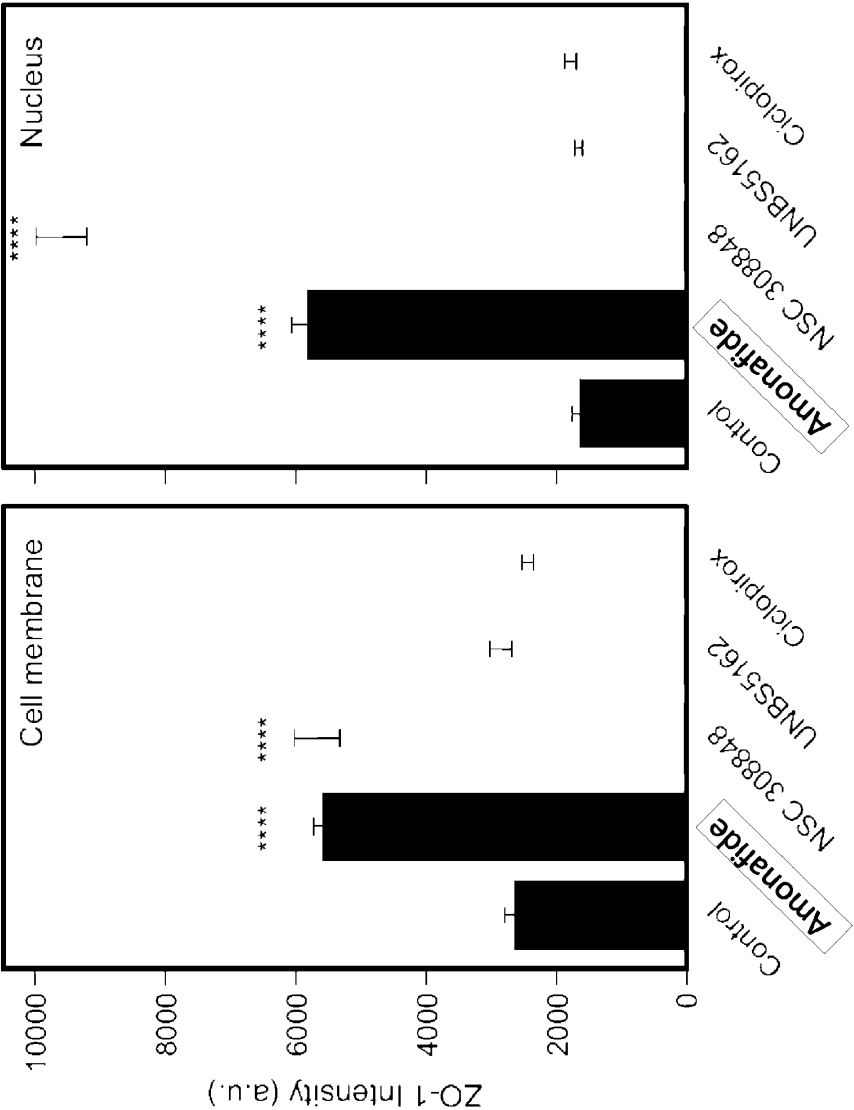


FIG. 31J

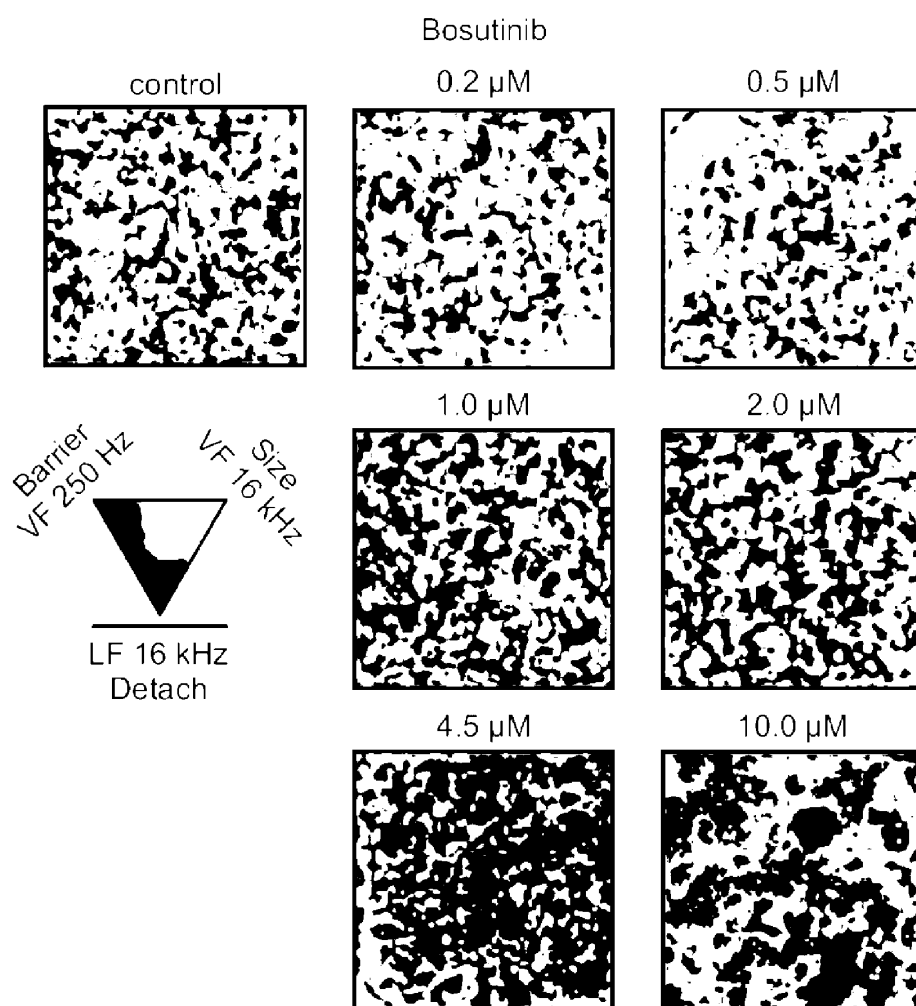


FIG. 32A

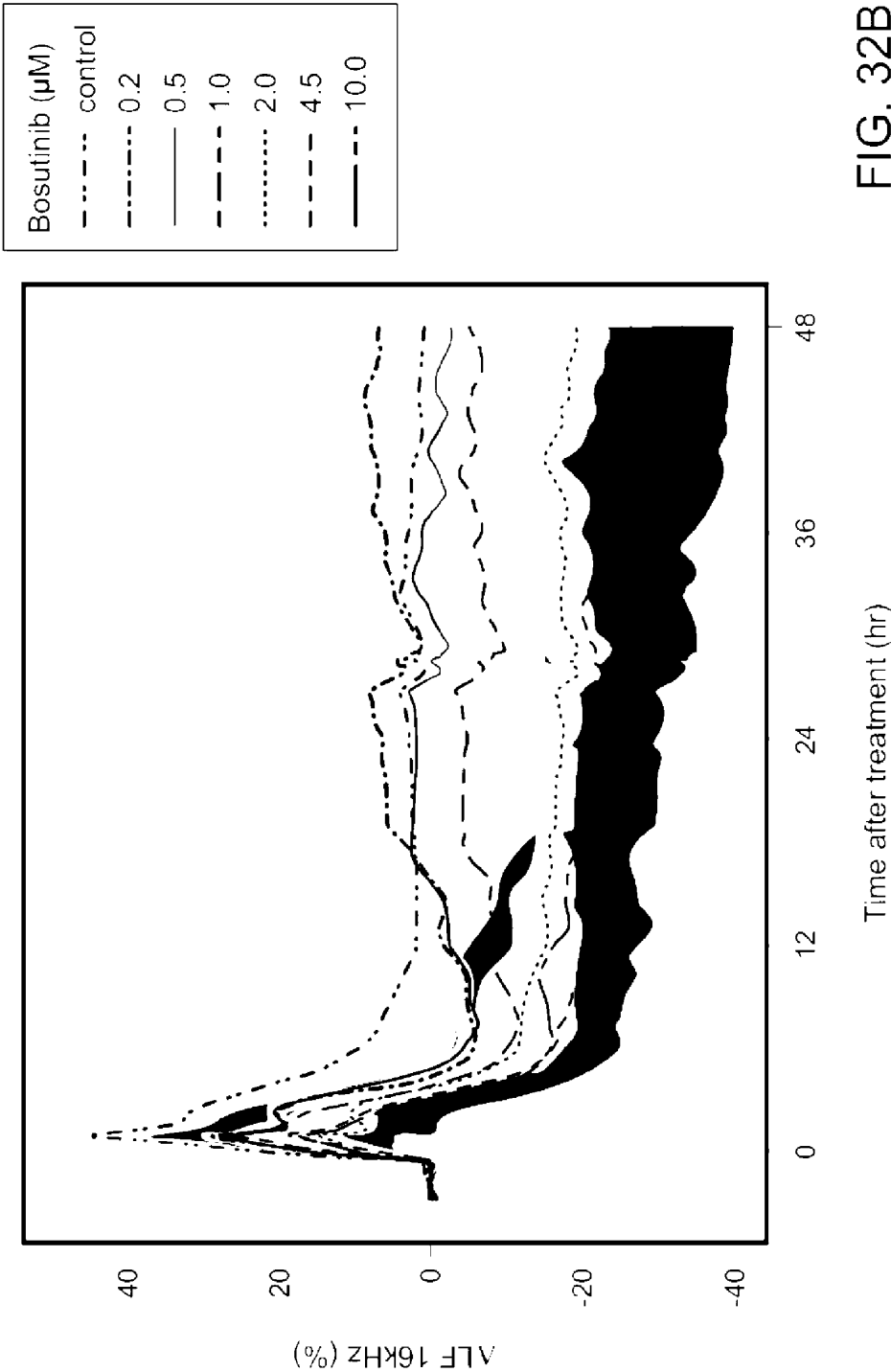


FIG. 32B