

Point Mutations (SNVs) (70 Genes)										Amplifications (CNVs) (16 Genes)	Fusions (6 Genes)	Indels (3 Genes)
AKT1	ALK	APC	AR	ARAF	ARID1A	AR	BRAF	AR	BRAF	AR	ALK	EGFR*
ATM	BRAF	BRCA1	BRCA2	CCND1	CCND2	CCNE1	CDK4	CCNE1	CDK4	CCNE1	FGFR2	ERBB2*
CCNE1	CDH1	CDK4	CDK6	CDKN2A	CDKN2B	CDK6	EGFR	CDK6	EGFR	CDK6	FGFR3	MET**
CTNNB1	EGFR	ERBB2	ESR1	EZH2	FBXW7	ERBB2	FGFR1	ERBB2	FGFR1	ERBB2	NTRK1	
FGFR1	FGFR2	FGFR3	GATA3	GNA11	GNAQ	FGFR2	KIT	FGFR2	KIT	FGFR2	RET	
GNAS	HNF1A	HRAS	IDH1	IDH2	JAK2	KRAS	MET	KRAS	MET	KRAS	ROS1	
JAK3	KIT	KRAS	MAP2K1	MAP2K2	MET	MYC	PDGFRA	MYC	PDGFRA	MYC		
MLH1	MPL	MYC	NF1	NFE2L2	NOTCH1	PIK3CA	RAF1	PIK3CA	RAF1	PIK3CA		
NPM1	NRAS	NTRK1	PDGFRA	PIK3CA	PTEN							*exons 19 & 20
PTPN11	RAF1	RB1	RET	RHEB	RHOA							*exons 19 & 20
RIT1	ROS1	SMAD4	SMO	SRC	STK11							**exon 14 skipping
TERT	TP53	TSC1	VHL									

FIG. 1

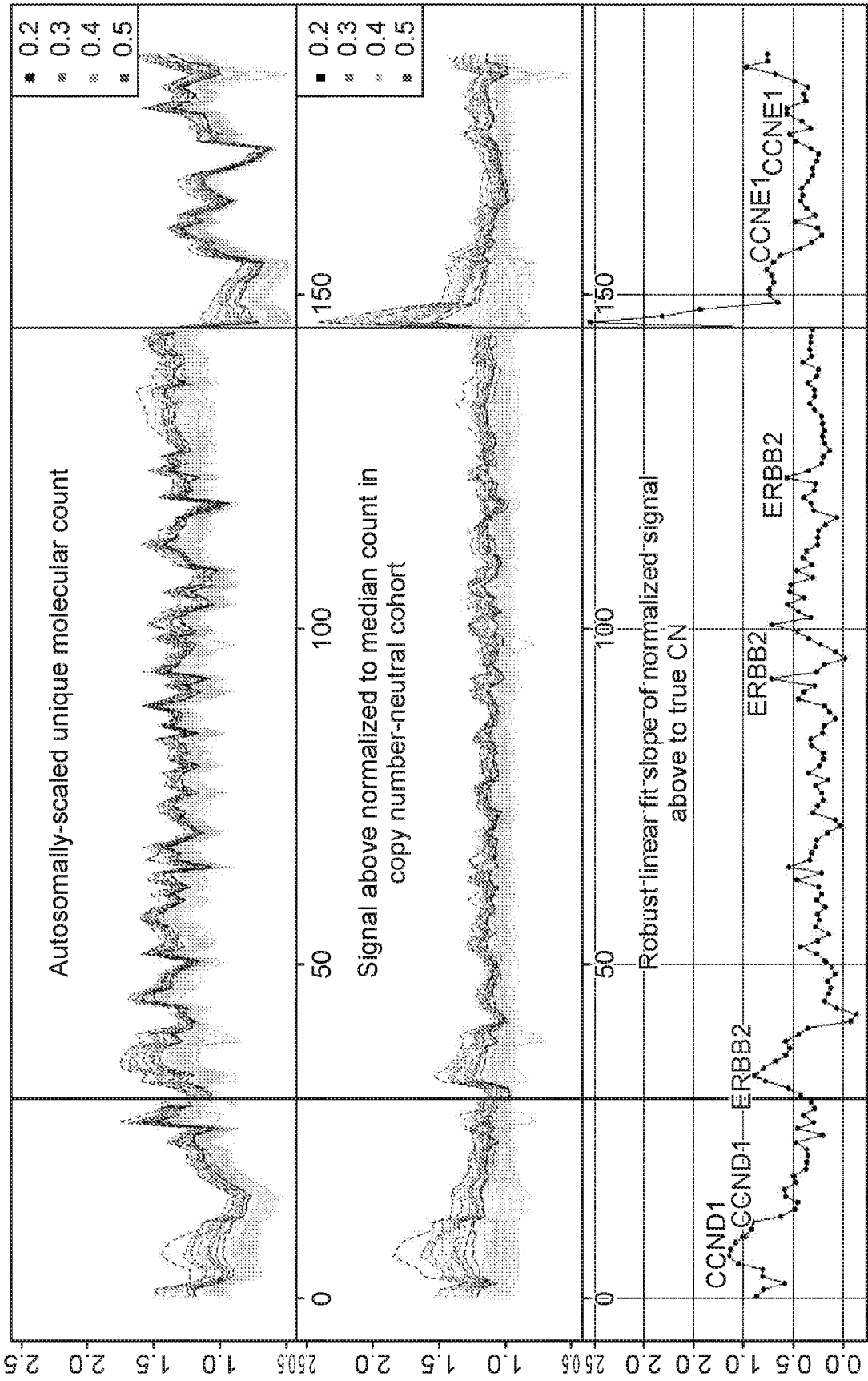
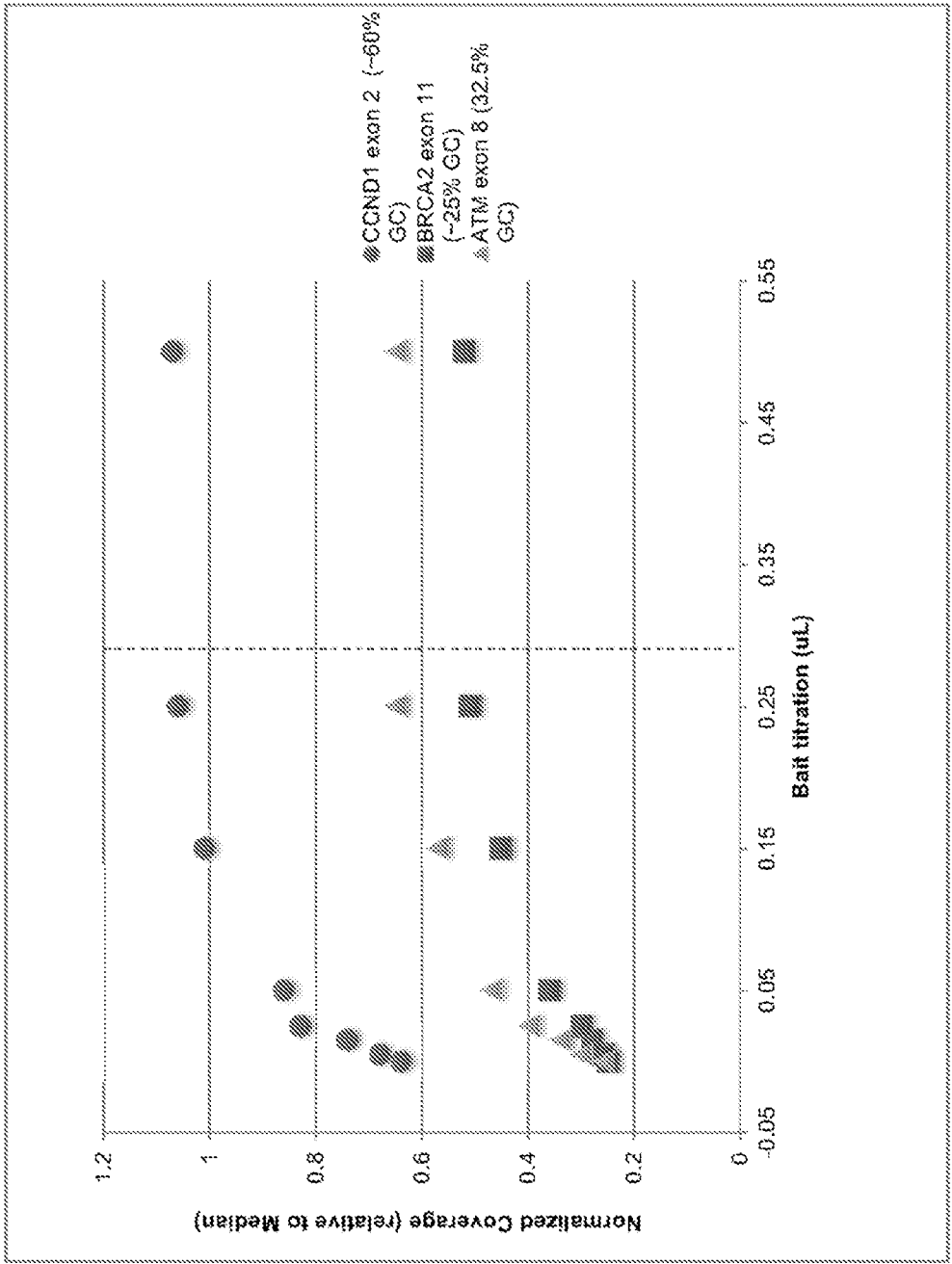


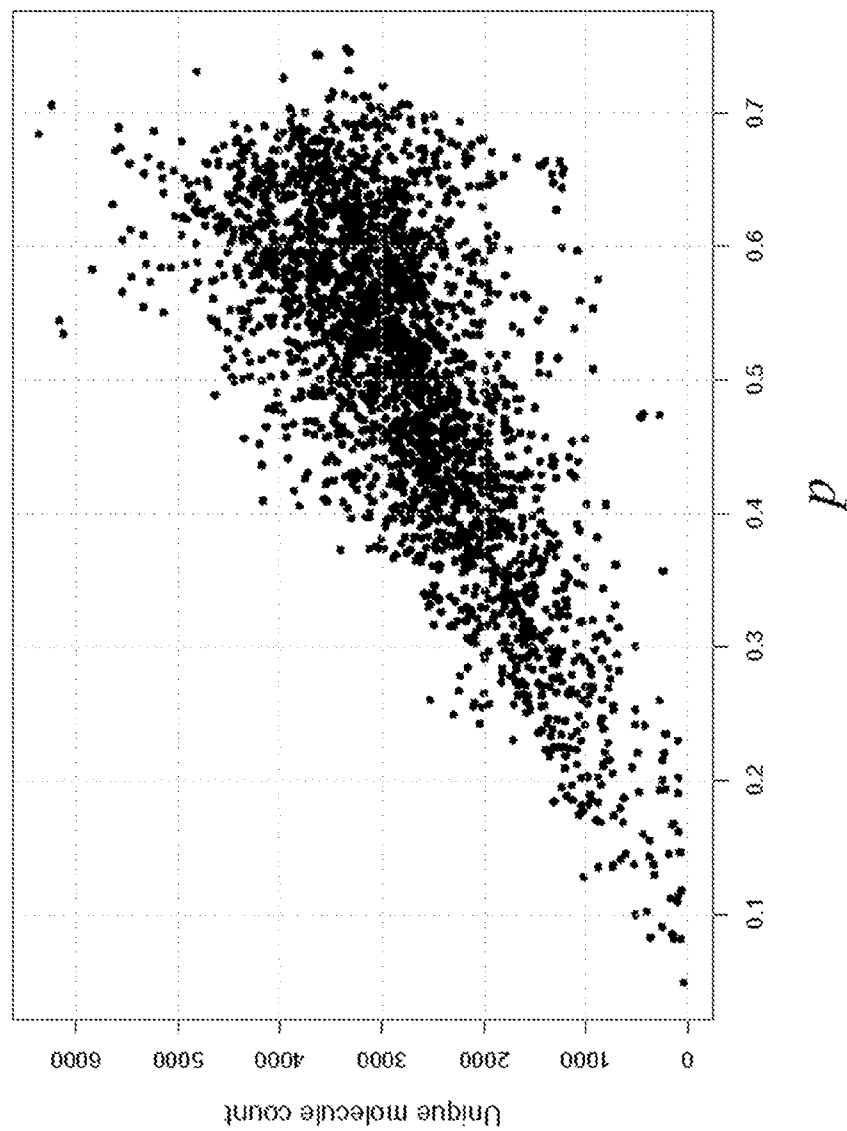
FIG. 2

FIG. 3



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FIG. 4A



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FIG. 4B

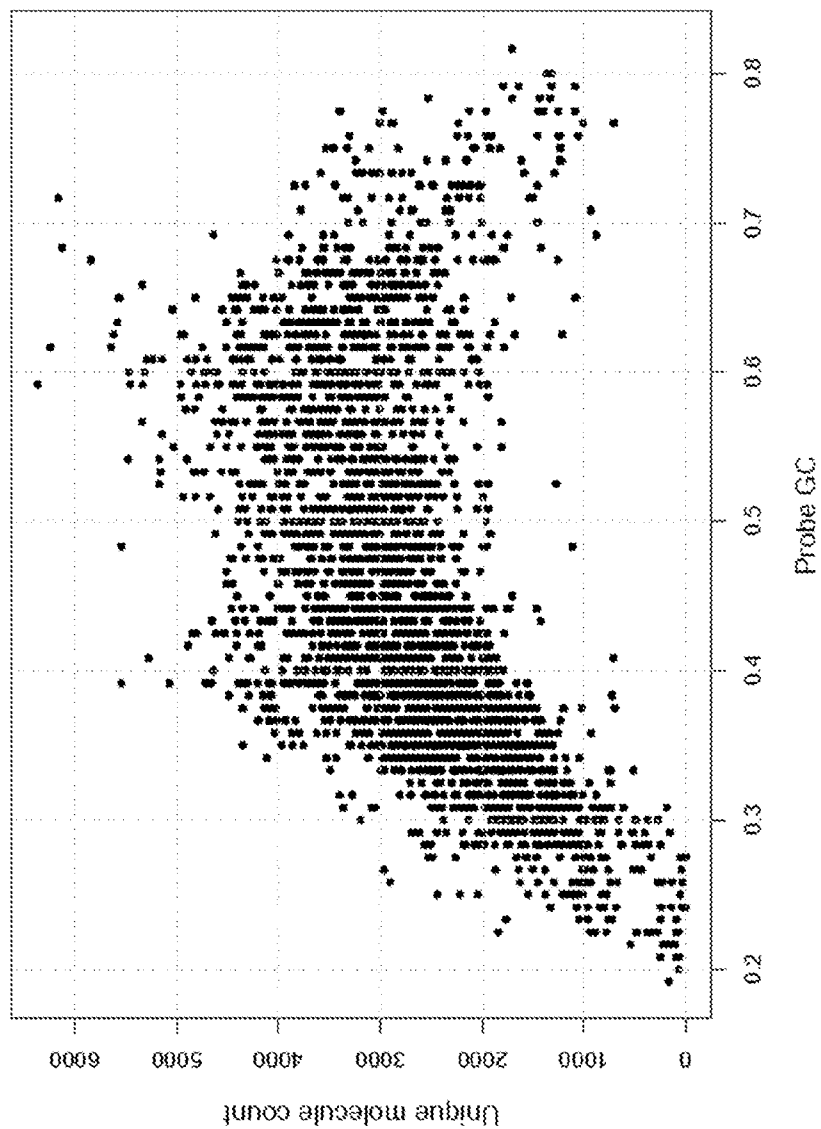


FIG. 5

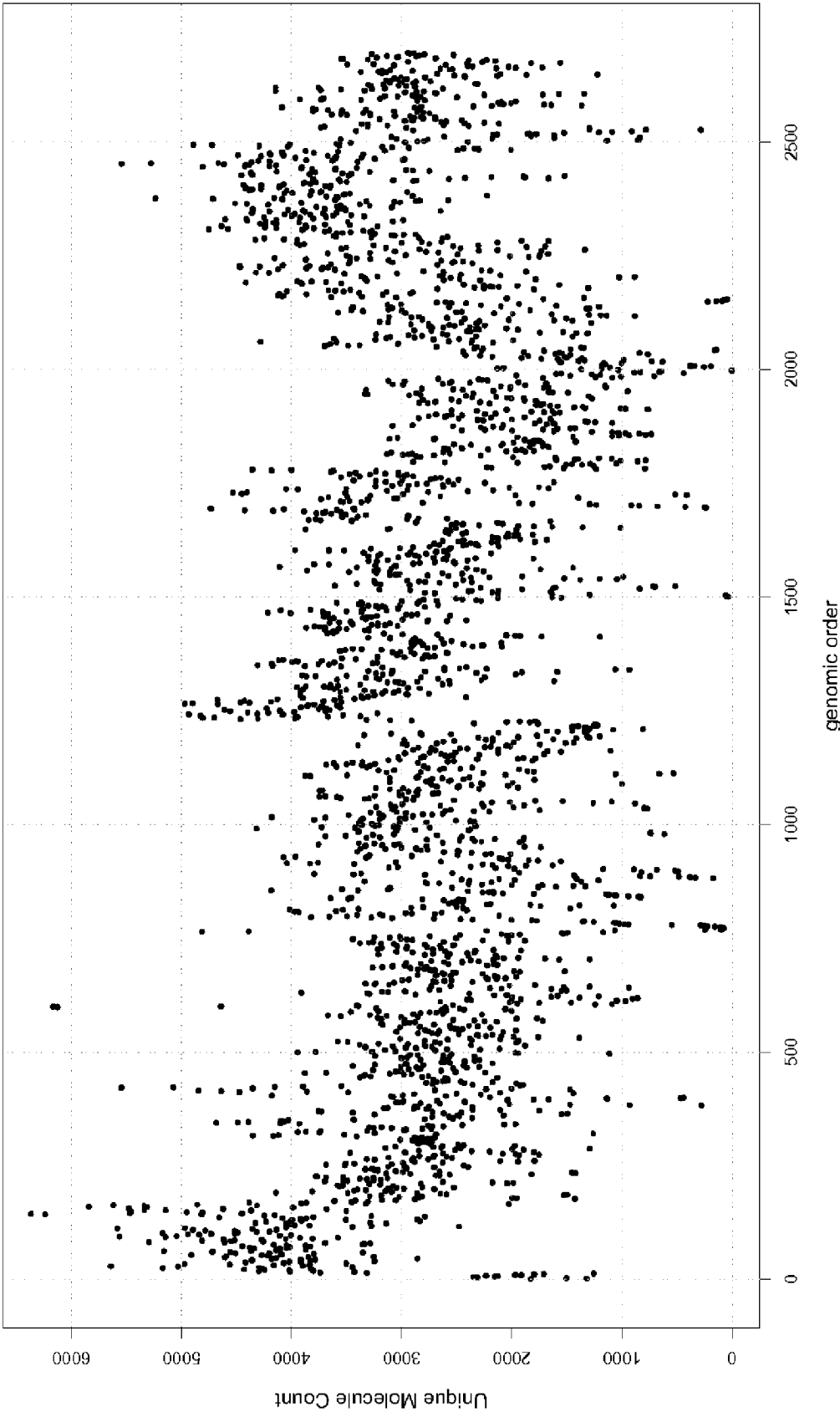


FIG. 6

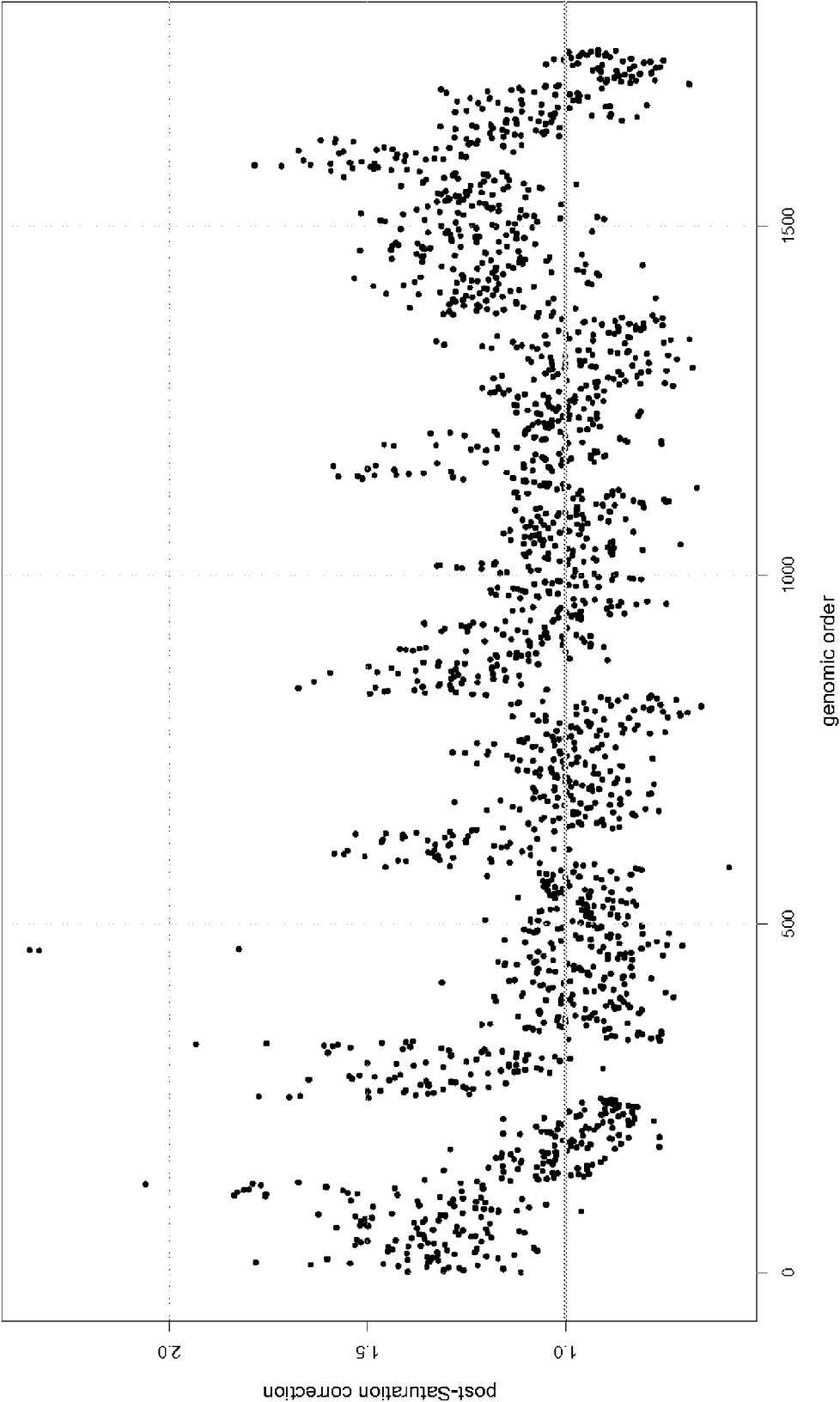
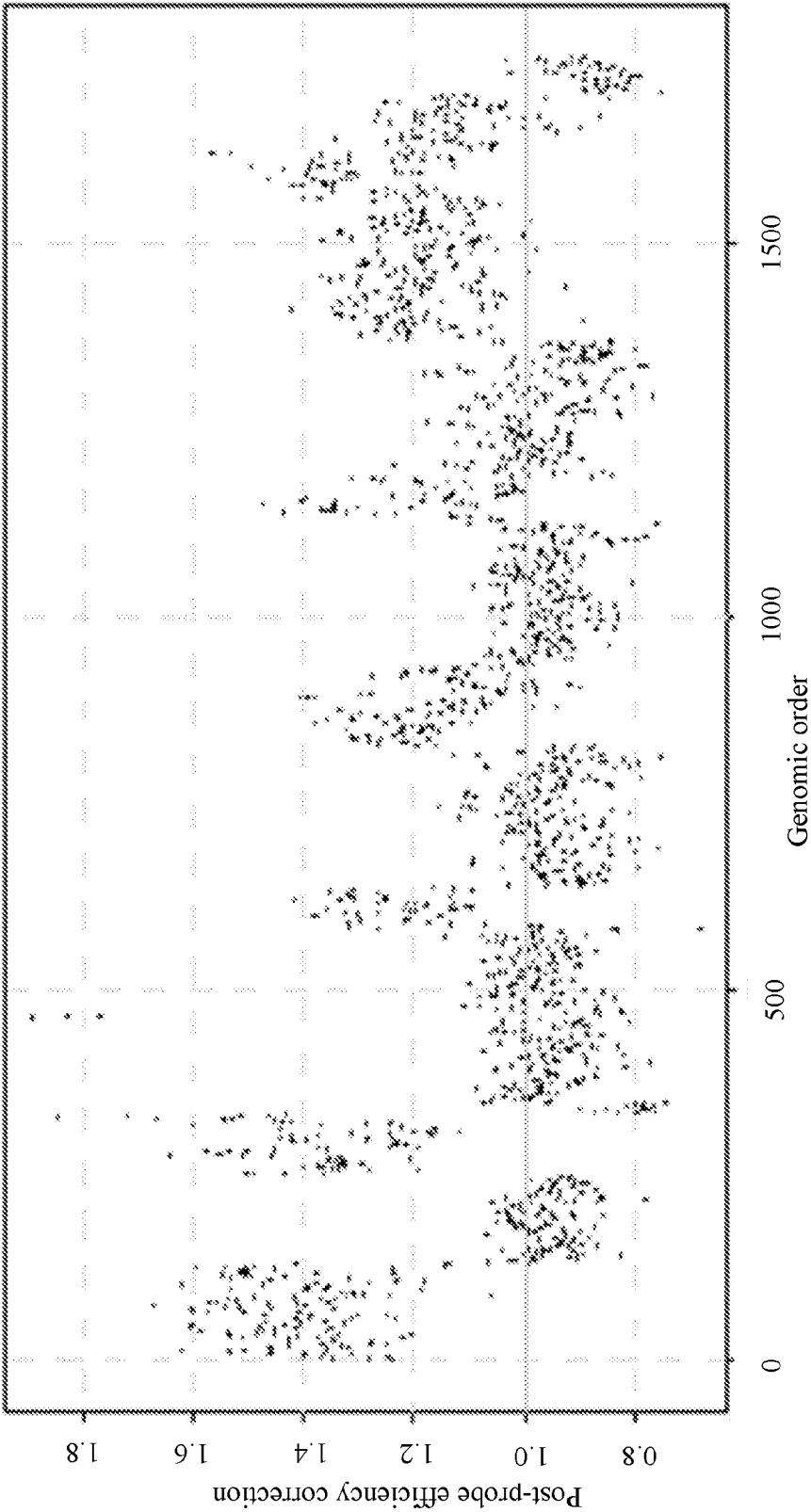


FIG. 7



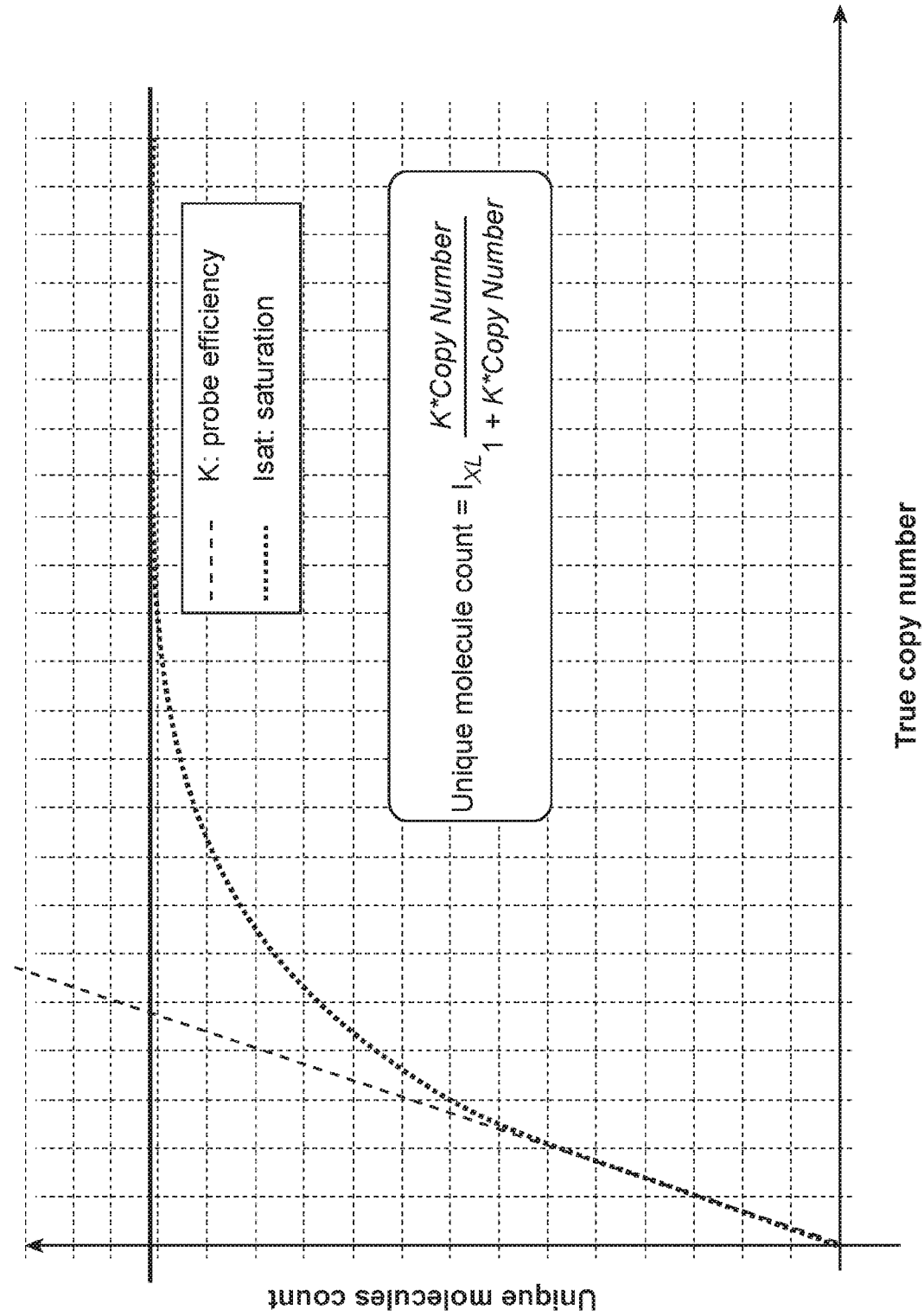
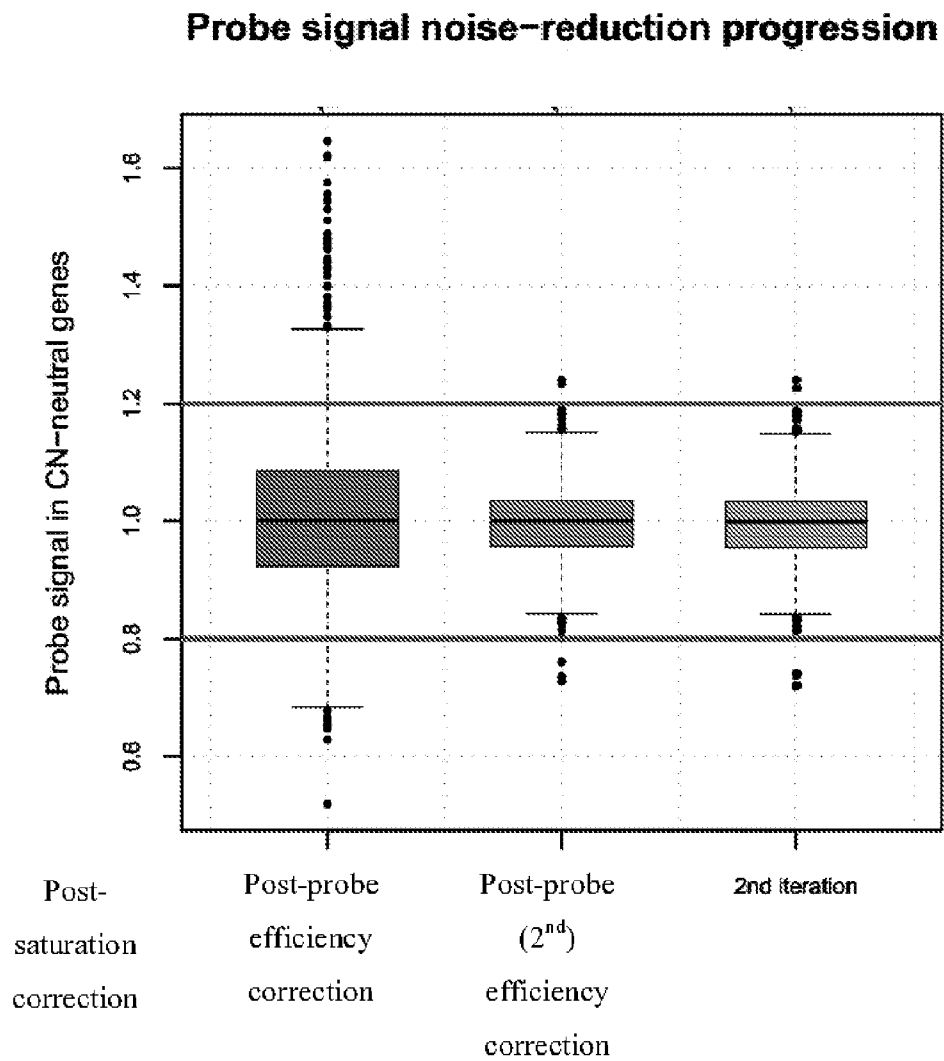


FIG. 8

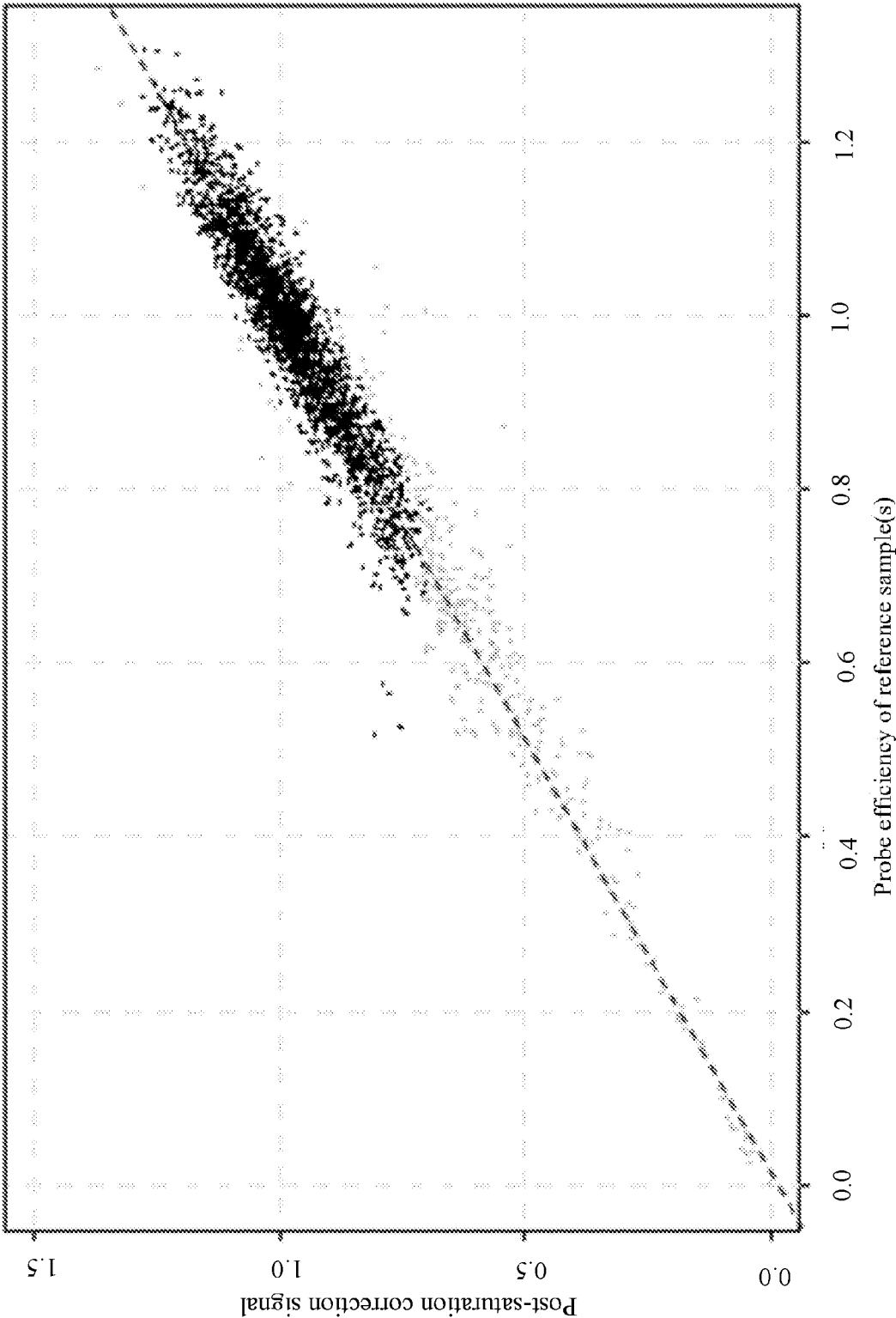
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FIG. 9



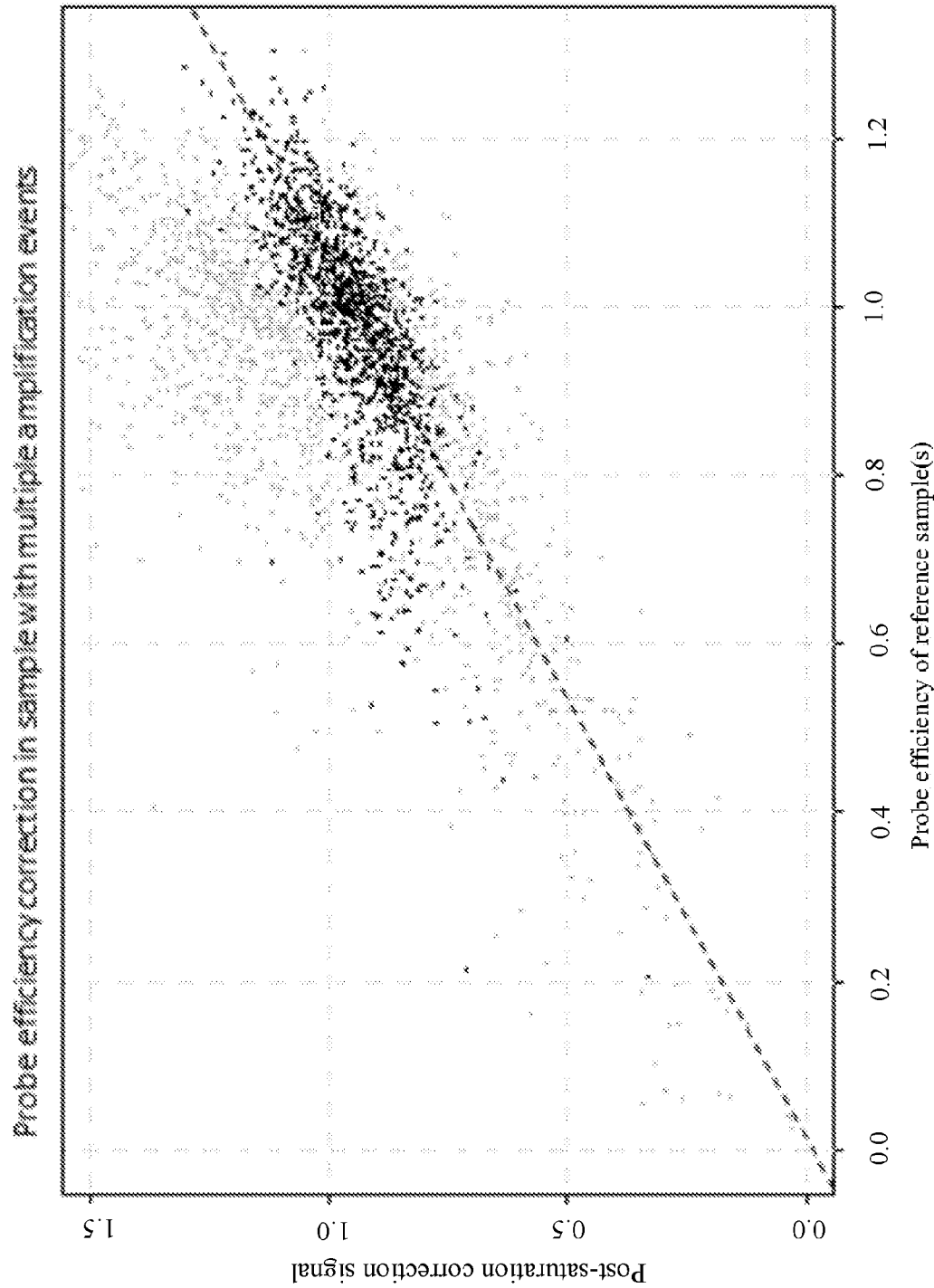
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FIG. 10A



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FIG. 10B



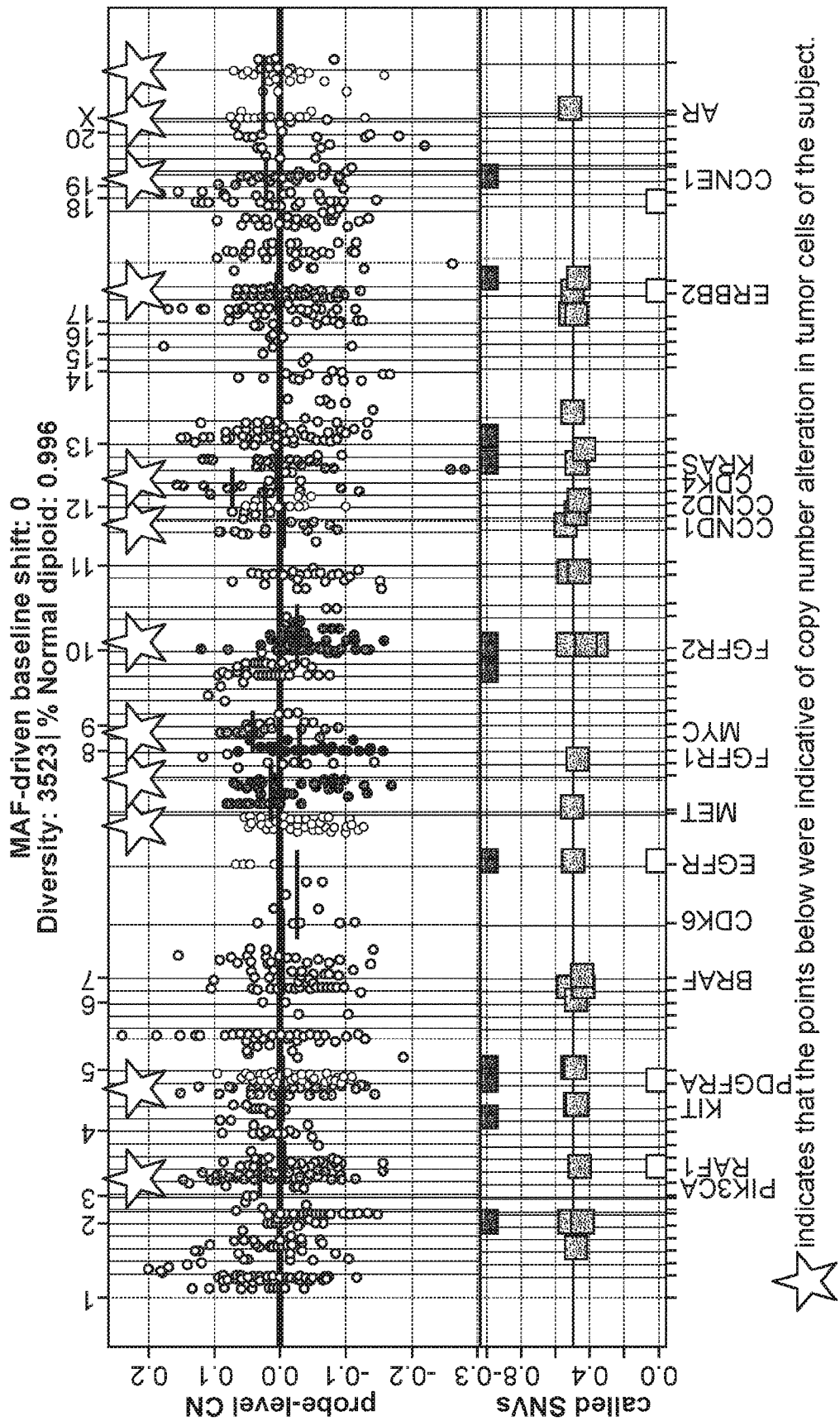
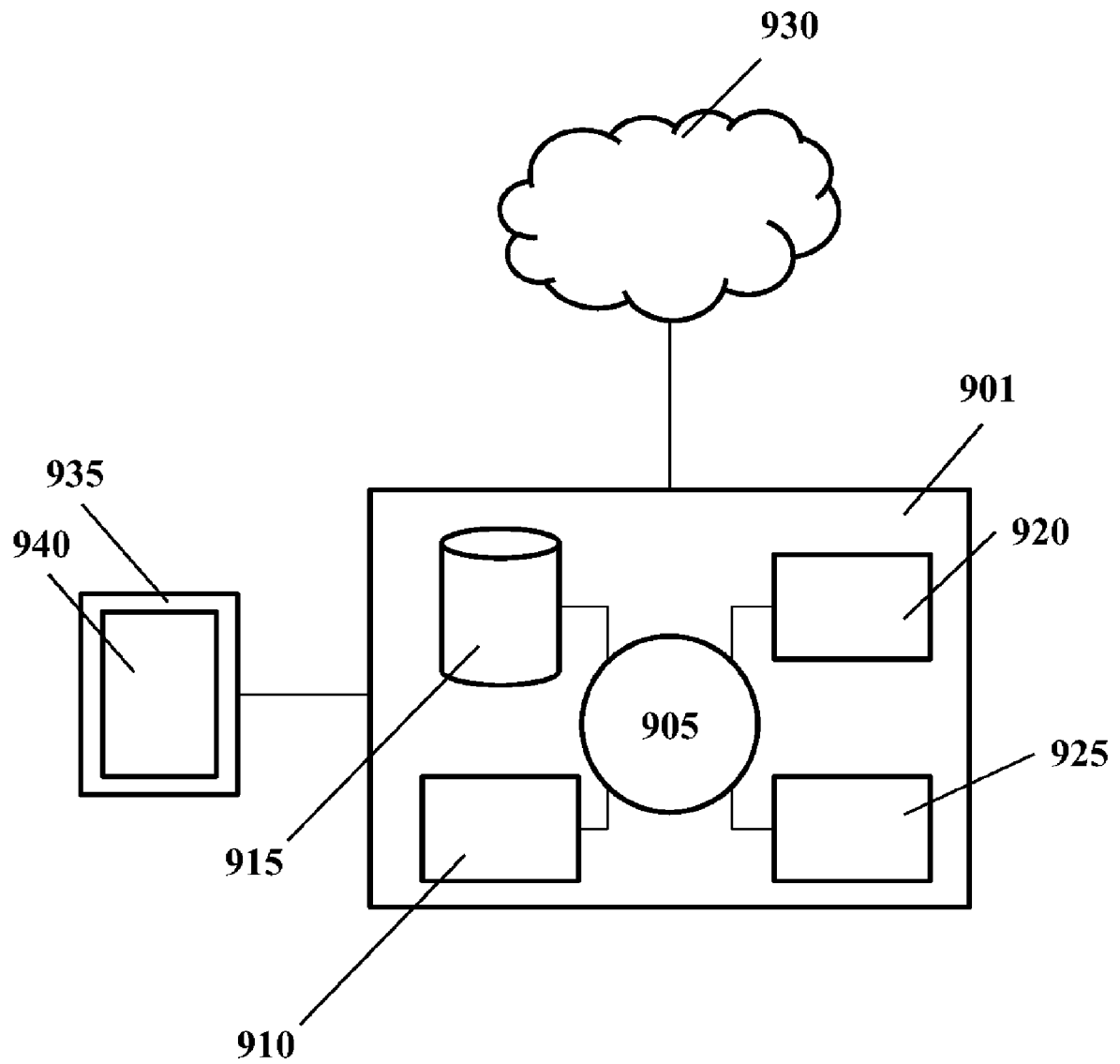


FIG. 11

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FIG. 12



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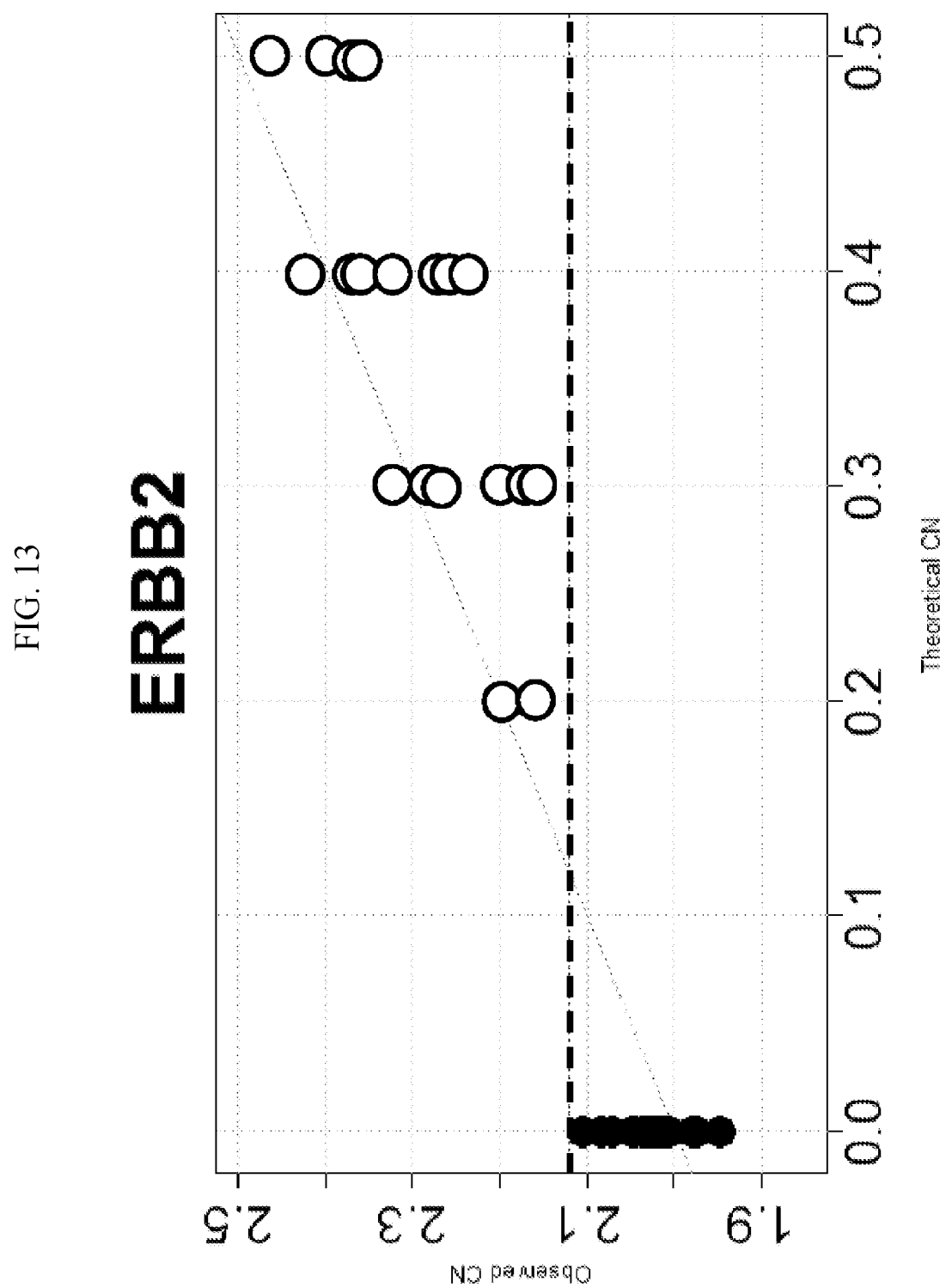
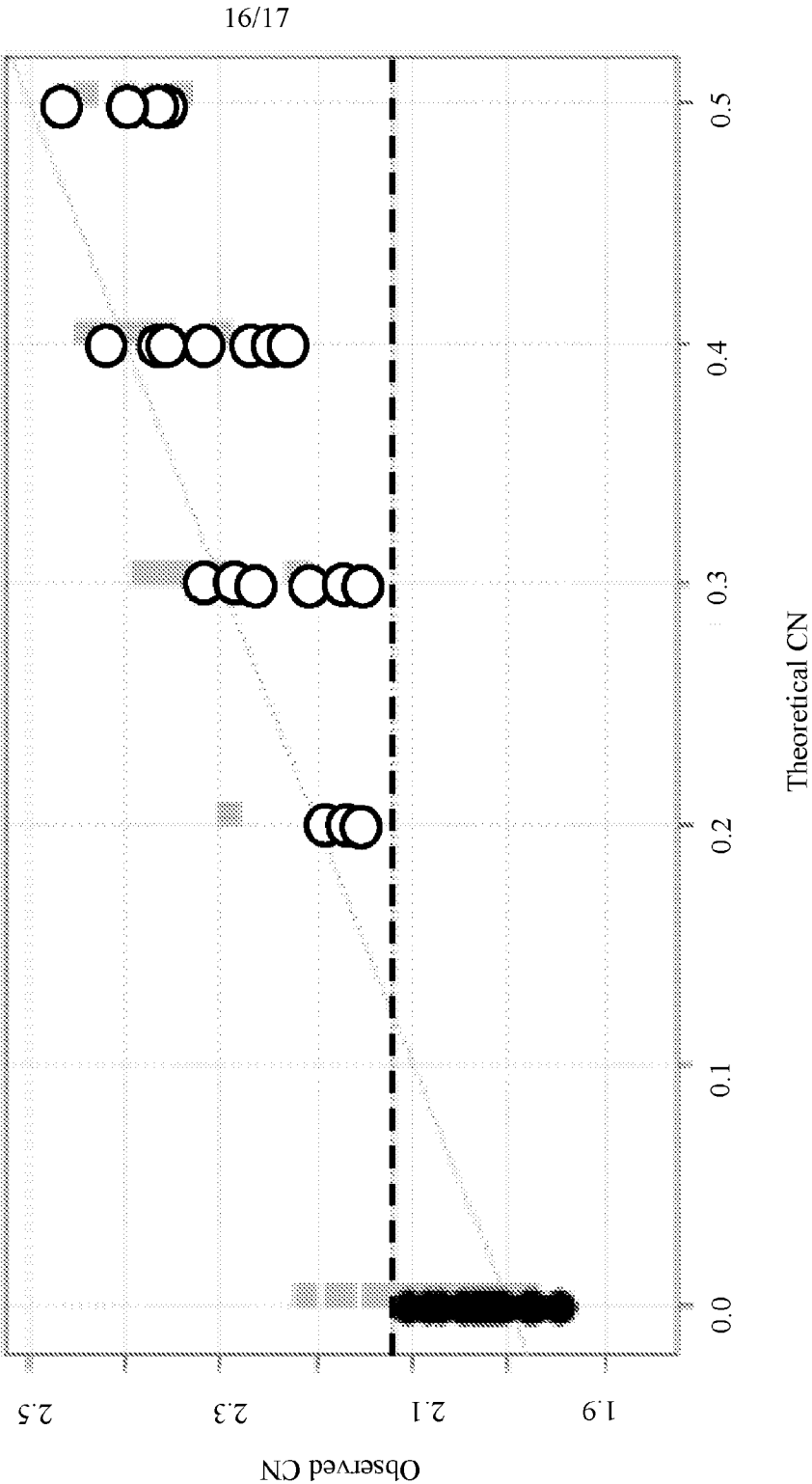


FIG. 14

ERBB2



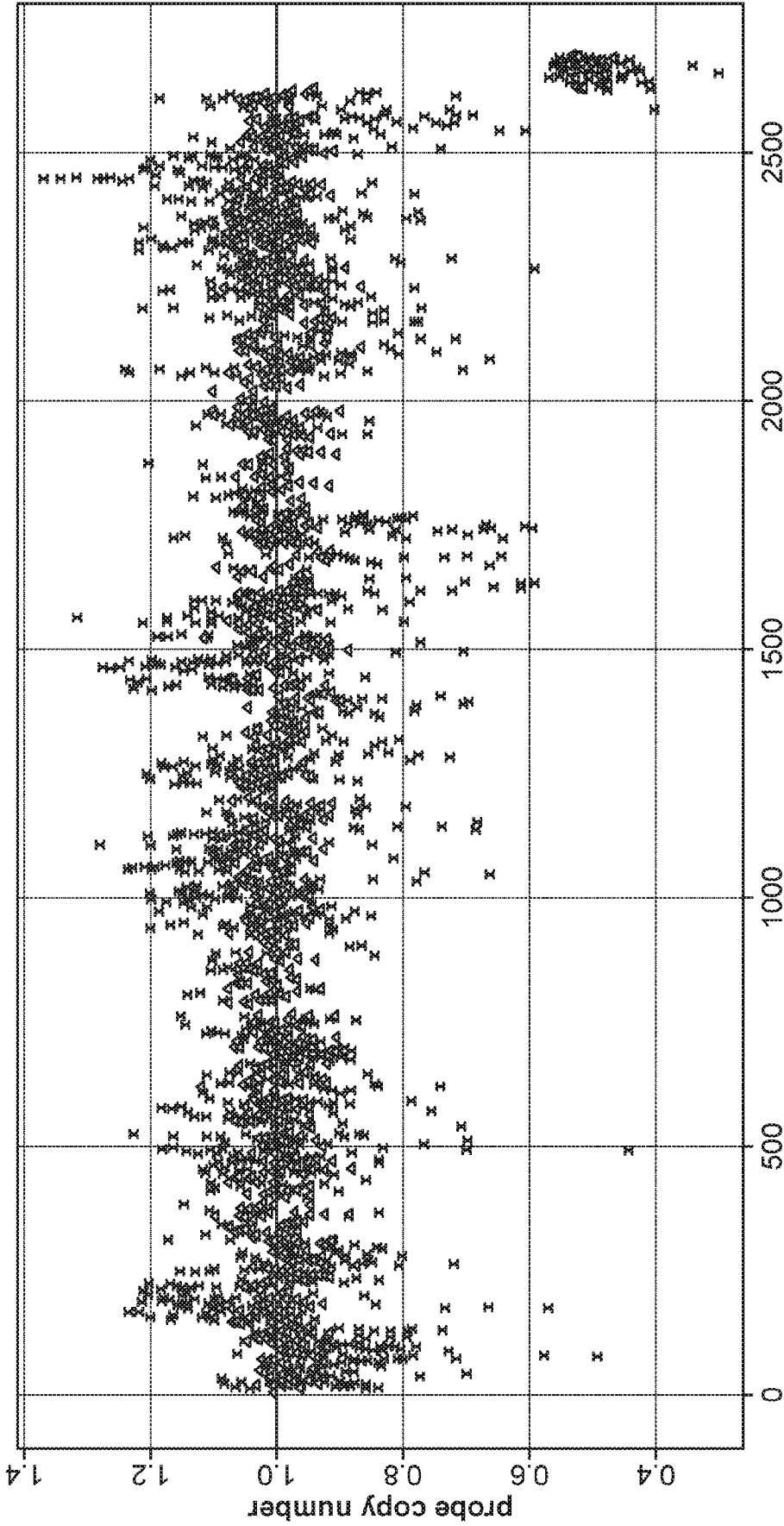


FIG. 15