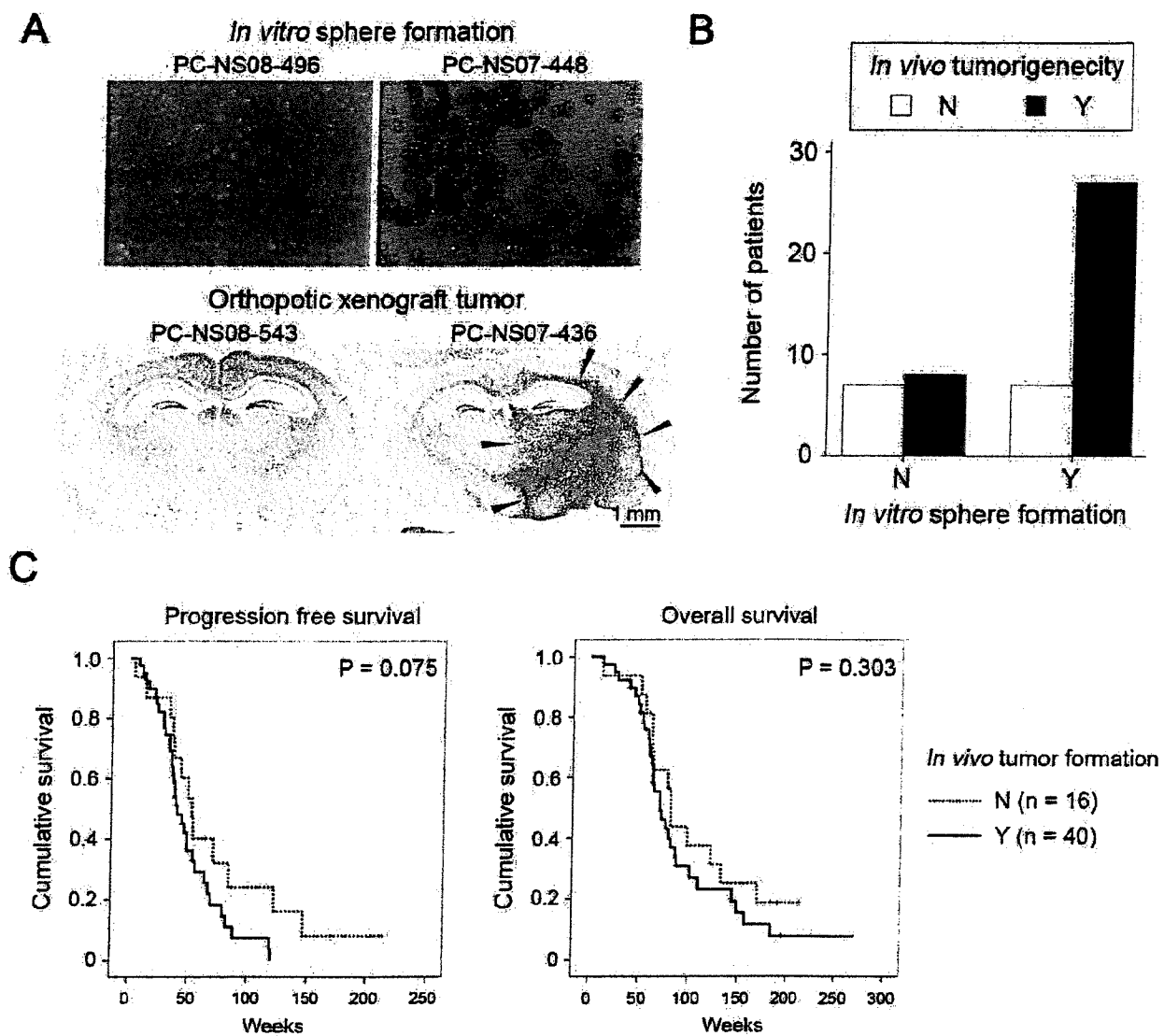


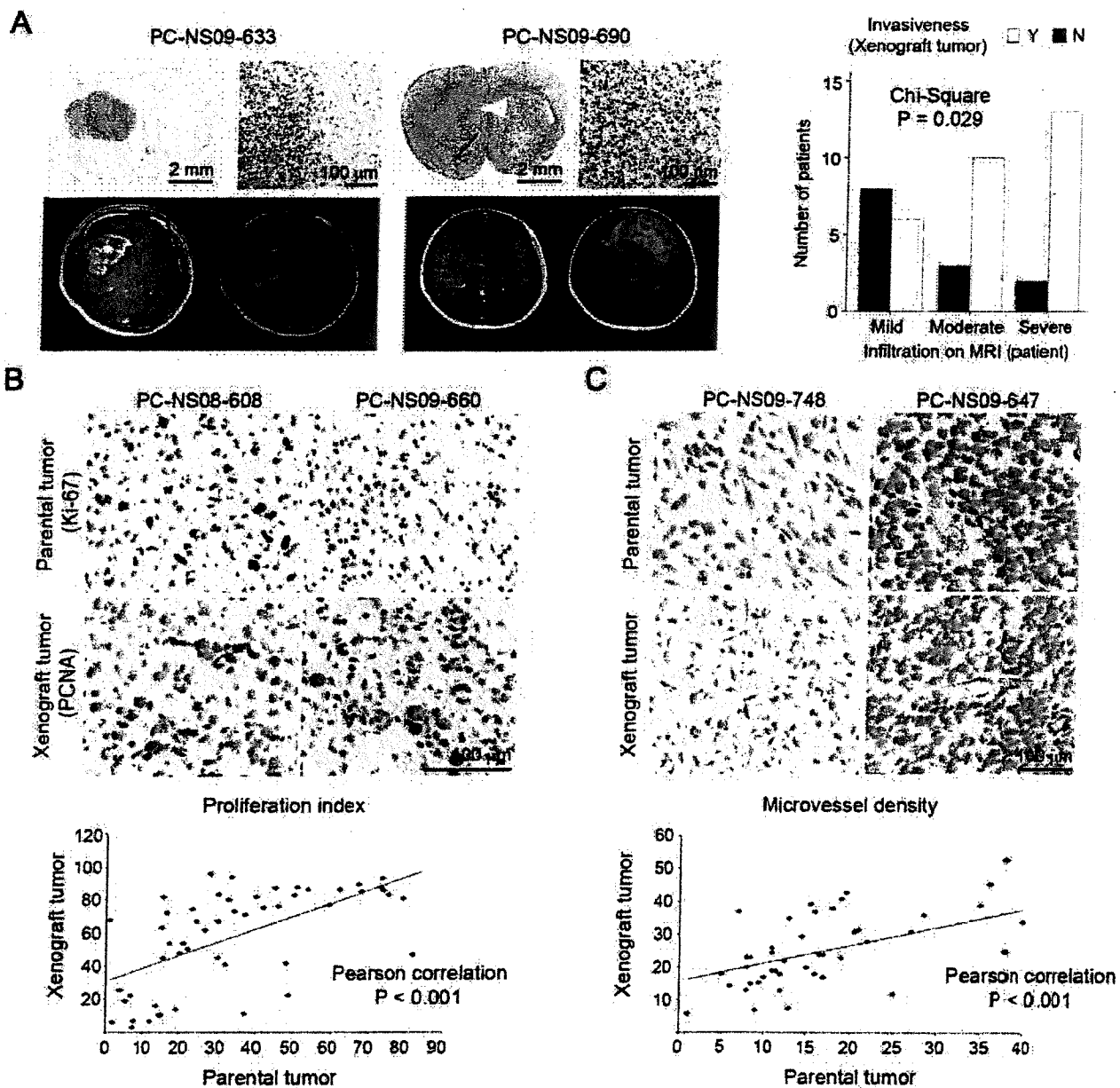
5

5

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FIG. 2



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FIG. 3

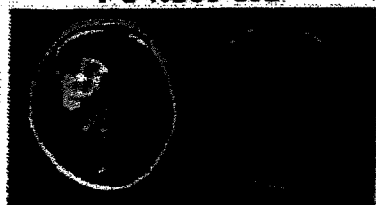
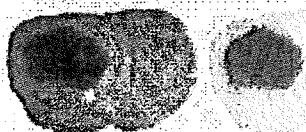


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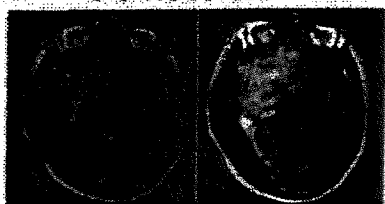
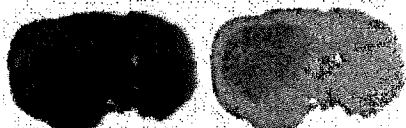
FIG. 4

Mild infiltration

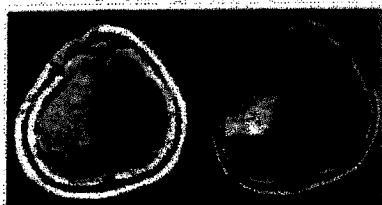
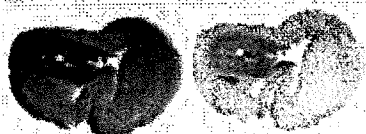
PC-NS09-633



PC-NS09-626

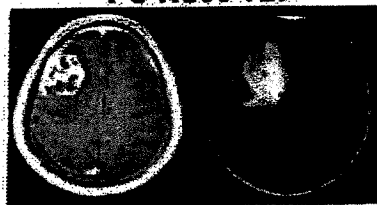
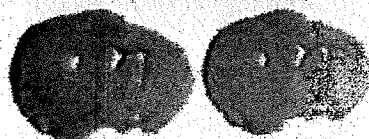


PC-NS08-586

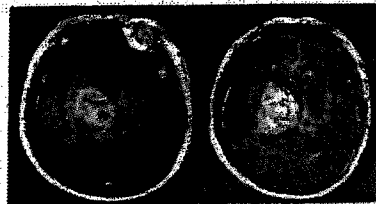


Moderate infiltration

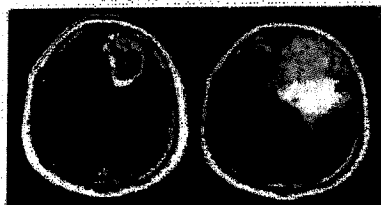
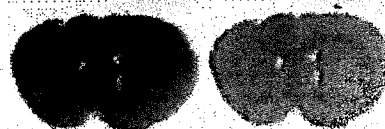
PC-NS09-727



PC-NS08-578



PC-NS09-780



Severe infiltration

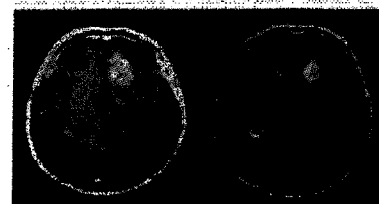
PC-NS08-567



PC-NS09-690



PC-NS09-748



A

Sample ID	Chromosome Location	PC-NS07-448		PC-NS07-464		PC-NS08-559		PC-NS09-626	
		Parental	Xenograft	Parental	Xenograft	Parental	Xenograft	Parental	Xenograft
C8orf10	8p23.3-34	11, 12	11, 12	9, 12	9, 12	12, 13	12, 13	11, 13	11, 13
D13S317	13q22-31	8	8	8, 10	8, 10	12	12	8, 11	8, 11
D18S538	18q24-qter	9, 13	9, 13	11, 13	11, 13	9, 19	9, 19	11	11
D19S41	19q13.3	16	16	14, 16	14, 16	13, 18	13, 18	14, 17	14, 17
D19S433	19q13.3-14.1	13, 13.2	13, 13.2	13, 14	13, 14	13, 14	13, 14	13, 14	13, 14
D25S11	25q11.2-q21	30, 33.2	30, 33.2	29, 32.2	29, 32.2	30, 32	30, 32	29	29
D26S138	26q36-37.1	19, 25	19, 25	17, 23	17, 23	19, 25	19, 25	23, 25	23, 25
D391288	3p	16, 17	16	16	16	14, 18	14, 18	16, 17	16, 17
D6S10	6p21-31	9, 11	9, 11	11, 13	11, 13	11	11	10, 11	10, 11
D7S420	7q11.21-22	10	10	6, 11	6, 11	10	10	8, 10	8, 10
D8S1178	8	10	10	10, 16	10, 16	13, 16	13, 16	16	16
FOA	4q28	19, 24	19, 24	21, 23	21, 23	20, 22	20, 22	24	24
THO1	7p16.3	6, 9	6, 9	7	7	9	9	9, 9.3	9, 9.3
TPD	2p23-2p24	8, 11	8, 11	8, 11	8, 11	11	11	8, 9	8, 9
vWA	12p12-qter	14, 17	14, 17	16, 19	16, 19	17, 18	17, 18	17, 18	17, 18
X	Xp22.1-22.3 Yp11.2	XY	XY	XY	XY	X	X	XY	XY

C

Sample ID	TP53 exon5	TP53 exon6	TP53 exon7	TP53 exon8	IDH1
PC-NS07-448	Parental tumor	wt	wt	wt	wt
	Xenograft tumor	wt	wt	wt	wt
PC-NS07-464	Parental tumor	wt	wt	wt	wt
	Xenograft tumor	wt	wt	wt	wt
PC-NS08-559	Parental tumor	wt	wt	R248Q	wt
	Xenograft tumor	wt	wt	R248Q	wt
PC-NS08-506	Parental tumor	wt	Y220C	wt	R132H
	Xenograft tumor	wt	Y220C	wt	R132H
PC-NS09-626	Parental tumor	wt	wt	wt	wt
	Xenograft tumor	wt	wt	wt	wt
PC-NS09-630	Parental tumor	R176H	wt	wt	R132H
	Xenograft tumor	R176H	wt	wt	R132H
PC-NS09-633	Parental tumor	wt	wt	wt	wt
	Xenograft tumor	wt	wt	wt	wt
PC-NS09-660	Parental tumor	H178Y	wt	wt	wt
	Xenograft tumor	H178Y	wt	wt	wt
PC-NS09-743	Parental tumor	wt	wt	wt	wt
	Xenograft tumor	wt	wt	wt	wt

B

PC-NS08-559
Parental tumor

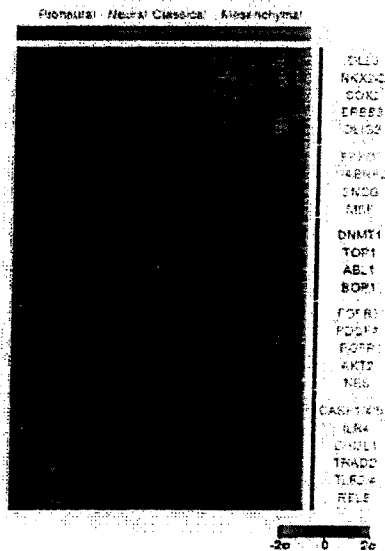


Xenograft tumor

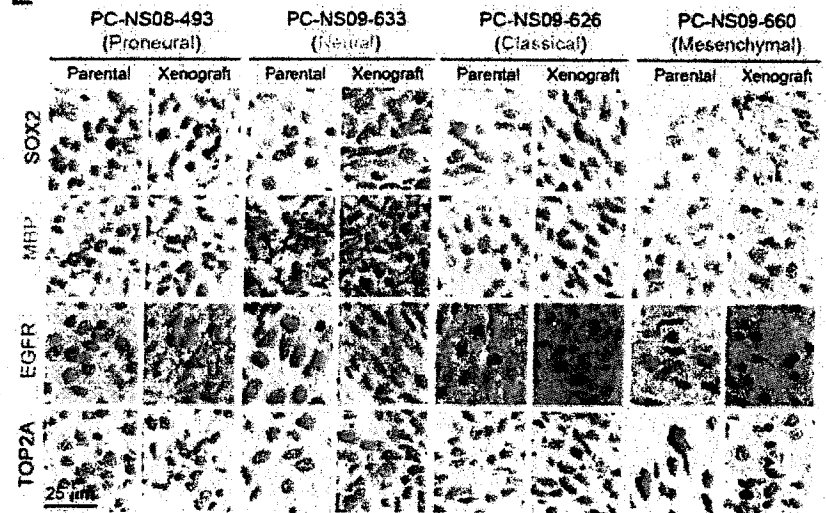


		PC-NS07-448		PC-NS08-559		PC-NS09-626	
		Parental	Xenograft	Parental	Xenograft	Parental	Xenograft
Amp	EGFR						
	CDK2						
	PDGFRA						
	MDM2						
	MDM4						
	MET						
	CDK6						
Del	PIK3CA						
	AKT3						
	CDKN2A/B						
	PTEN						
	CDKN2C						
	RB1						
	PARK2						

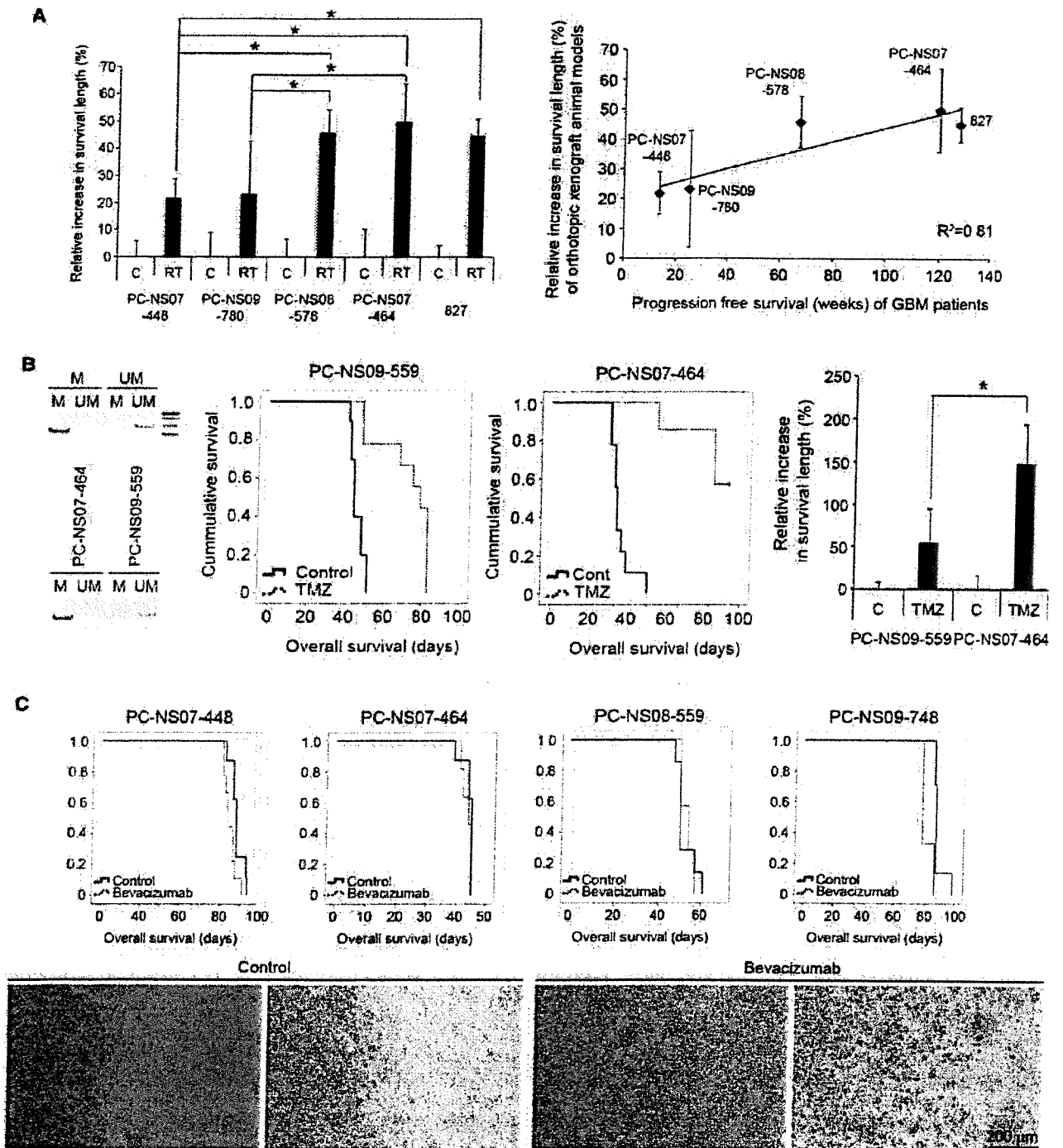
D

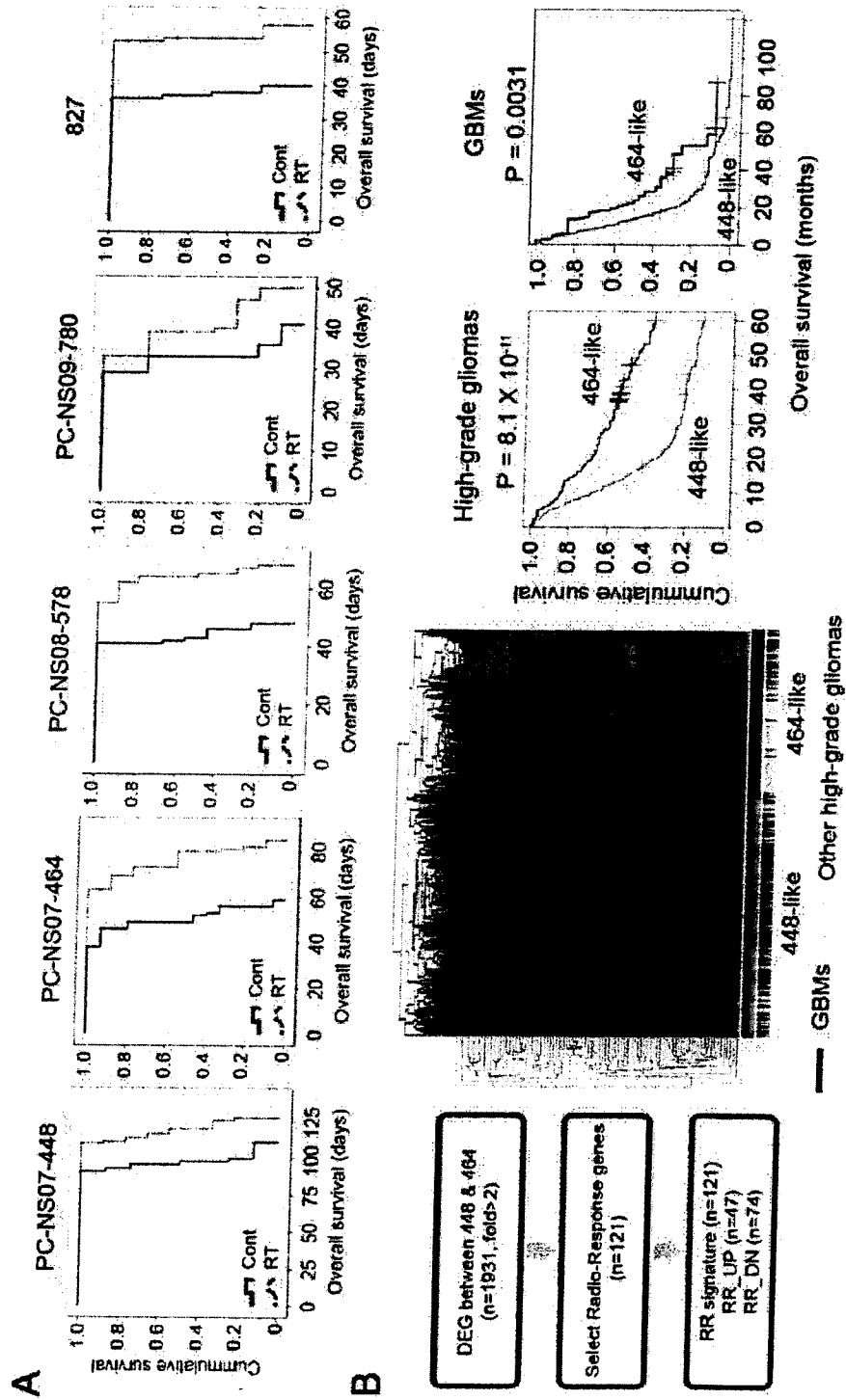


E

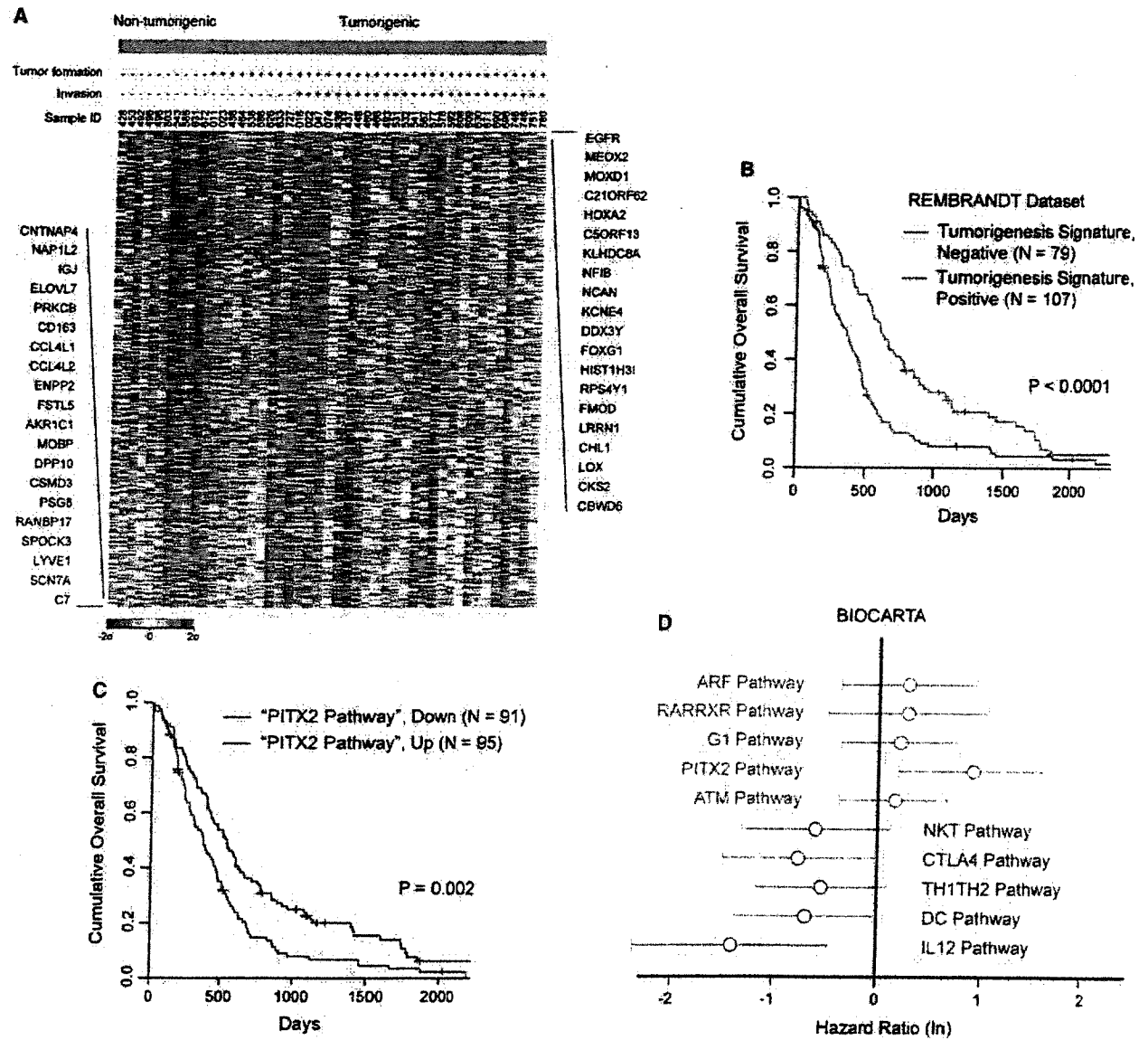


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FIG. 6

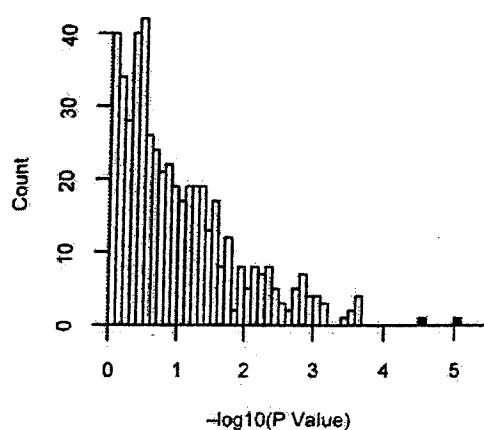




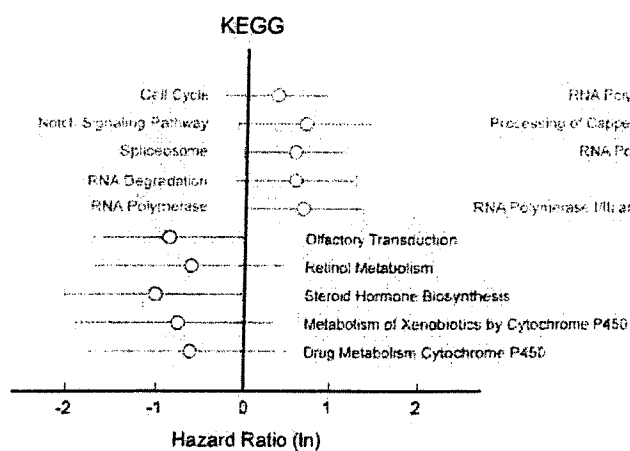
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FIG. 8



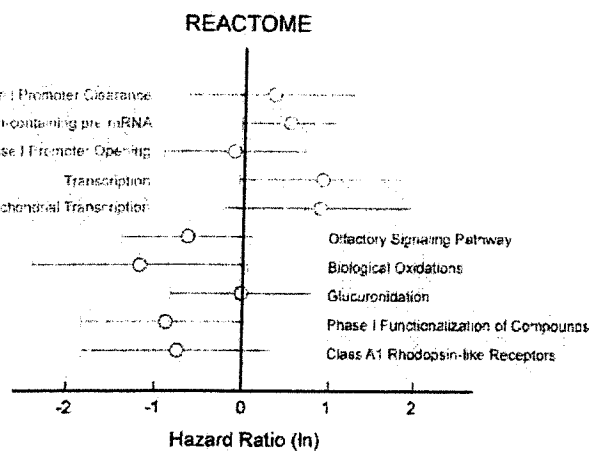
A Histogram of 500 P Values from Permutation Test



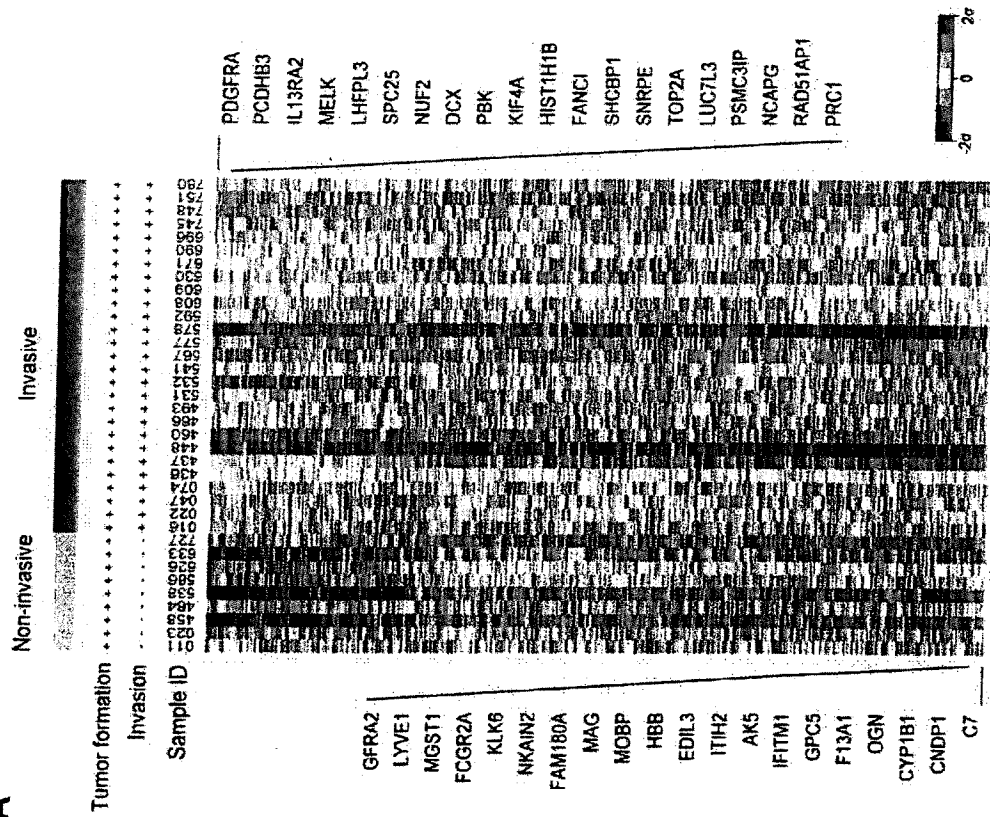
B



C



A



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FIG. 10

B

