

Supplementary table 3: Pathways altered in resistant compared to nonresistant clones**(GO enrichment analysis)**

GO.ID	Term	# Annotated Genes	# Regulated Genes	Reg	Fisher P Value
GO:0043068	positive regulation of programmed cell death	361	50	Up	0.00010
GO:0045778	positive regulation of ossification	43	12	Up	0.00011
GO:0030048	actin filament-based movement	56	14	Up	0.00011
GO:0048608	reproductive structure development	215	34	Up	0.00011
GO:2000027	regulation of organ morphogenesis	147	26	Up	0.00011
GO:0003231	cardiac ventricle development	63	15	Up	0.00011
GO:0010976	positive regulation of neuron projection development	139	25	Up	0.00011
GO:0002521	leukocyte differentiation	198	32	Up	0.00011
GO:0051271	negative regulation of cellular	131	24	Up	0.00011

GO.ID	Term	# Annotated Genes	# Regulated Genes	Reg	Fisher P Value
	component movement				
GO:0007405	neuroblast	26	9	Up	0.00013
	proliferation				
GO:0055117	regulation of cardiac muscle contraction	26	9	Up	0.00013
GO:0060412	ventricular septum	26	9	Up	0.00013
	morphogenesis				
GO:0007369	gastrulation	108	21	Up	0.00013
GO:0061138	morphogenesis of a branching epithelium	78	17	Up	0.00013
GO:0008038	neuron recognition	16	7	Up	0.00013
GO:0048514	blood vessel morphogenesis	233	36	Down	0.00010
GO:0008202	steroid metabolic process	164	28	Down	0.00011
GO:0070372	regulation of ERK1 and ERK2 cascade	102	20	Down	0.00015
GO:0006704	glucocorticoid biosynthetic process	8	5	Down	0.00015
GO:0008211	glucocorticoid metabolic process	12	6	Down	0.00016
GO:0050896	response to stimulus	4190	383	Down	0.00019

GO.ID	Term	# Annotated Genes	# Regulated Genes	Reg	Fisher P Value
GO:0009605	response to external stimulus	914	103	Down	0.00019
GO:0032501	multicellular organismal process	3139	297	Down	0.00019
GO:0036150	phosphatidylserine acyl-chain remodeling	5	4	Down	0.00020
GO:0002920	regulation of humoral immune response	17	7	Down	0.00020
GO:0030855	epithelial cell differentiation	287	41	Down	0.00021
GO:0001525	angiogenesis	189	30	Down	0.00024
GO:0043277	apoptotic cell clearance	18	7	Down	0.00031
GO:0032101	regulation of response to external stimulus	274	39	Down	0.00031
GO:0009410	response to xenobiotic stimulus	48	12	Down	0.00032

Reg, regulation.