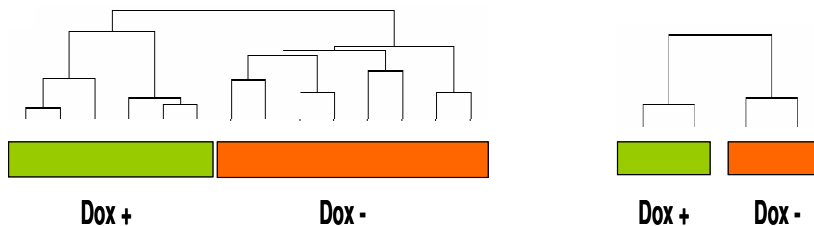


A



B

Gene set name	Database	P-value				Overlap				Gene set length
		In-vivo - Dox+ > Dox-	In-vitro - Dox+ > Dox-	In-vivo - Dox+ < Dox-	In-vitro - Dox+ < Dox-	In-vivo - Dox+ > Dox-	In-vitro - Dox+ > Dox-	In-vivo - Dox+ < Dox-	In-vitro - Dox+ < Dox-	
Interferon signaling	Ingenuity	■				12	1	0	1	27
IFN alpha/beta signaling pathway	GeneGo	■				8	1	0	0	28
Antiviral actions of interferons	GeneGo	■				5	1	0	0	13
Antigen presentation by MHC class I	GeneGo	■				7	0	0	1	58
Toll-like receptor signaling pathway	Kegg	■				6	1	0	0	83
Protein ubiquitination pathway	Ingenuity	■				8	2	0	3	166
Putative SUMO-1 pathway	GeneGo	■				3	0	0	0	27
Prolactin receptor signaling	GeneGo	■				4	0	0	0	58
Role of TLRs 3 and 4 in cell antiviral response: TICAM1-specific signalling pathways	GeneGo	■				3	1	0	0	29
PDGF signaling via STATs and NF-kB	GeneGo	■				3	0	0	0	40
IL1 signaling pathway	GeneGo	■				3	0	2	1	40
Angiotensin signaling via STATs	GeneGo	■	■			3	3	1	1	51
Negative regulation of apoptosis	GO Process		■	■		8	3	16	8	528
Growth	GO Process		■	■		5	7	17	8	527
p38 MAPK Signaling	Ingenuity		■			1	1	4	0	83

■ $p < 0.0001$
 ■ $p < 0.005$
 ■ $p < 0.05$