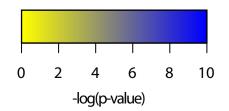
Supplementary Figure 4

D9	M3	Diseases and Bio Functions	Categories
		viral life cycle	Cell Signaling
		replication of viral replicon	
		replication of HIV Viral Infection	—
		replication of virus	-
		replication of RNA virus	
		replication of HIV-1	Infectious Diseases
		production of virus	
		infection by RNA virus	—
		HIV infection	
		infection of cells	
		infection by DNA virus	
		antimicrobial response	Antimicrobial and Inflammatory Response
		antiviral response	
		inflammatory response	Inflammatory Response
		inflammatory response of cells	_
		proinflammatory response	_
		interferon response	_
		type l interferon response	_
		innate immune response	_
		immune response of cells proliferation of B lymphocytes	Humoral Immuna Pachanca
			Humoral Immune Response
		T cell migration cell movement of T lymphocytes	Cell-mediated Immune Response
		cell death of antigen presenting cells	
		cell death of B lymphocytes	
		cell death of monocyte-derived dendritic cells	
		cell death of immune cells	
		cell death of lymphocytes	
		cell death of T lymphocytes	Cell Death and Survival
		apoptosis of lymphocytes	
		apoptosis	
		necrosis	1
		cell survival	
		cell viability	
		signal transduction	
		communication	
		interaction of T lymphocytes	7
		binding of T lymphocytes	
		activation of myeloid cells	
		stimulation of natural killer cells	
		recruitment of T lymphocytes	
		recruitment of Th1 cells	
		attraction of Th0 lymphocytes	
		attraction of Th1 cells	Cell-To-Cell Signaling and Interaction
		attraction of memory T lymphocytes	
		attraction of plasmacytoid dendritic cells	
		attraction of natural killer cells	
		attraction of T lymphocytes	_
		activation of mononuclear leukocytes	
		activation of lymphocytes	_
		activation of dendritic cells	_
		activation of monocyte-derived dendritic cells	
		activation of leukocytes	_
		activation of T lymphocytes	
		activation of antigen presenting cells	
		cell movement of mononuclear leukocytes	
		cell movement of antigen presenting cells cell movement of leukocytes	Cellular Movement, Immune Cell Trafficking
		migration of plasmacytoid dendritic cells	
		migration of plasmacytoid dendritic cells	
		ploidy	
		Mphase	
		arrest in M phase	
		interphase	
		S phase	Cell Cycle
		entry into S phase	
		cycling of centrosome	
		arrest in mitosis	
		arrest in metaphase	
		G2 phase	
		cell cycle progression	
		formation of mitotic spindle	
		segregation of chromosomes	
		alignment of chromosomes	\neg
		chromosomal congression of chromosomes	
		quantity of chromosomes	DNA Replication, Recombination, and Repair
		amplification of centrosome	
		· · ·	
		repair of DNA	



Supplementary Figure 4: The main IPA functions associated with D9-ISGs and M3-ISGs. IPA enrichment analysis was performed on all ISGs. The –log (p-values) of globally significant functions are plotted in heatmap format for both D9 and M3 p.i.