Genes lost in HRPE1 BP TreeMap

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RNA-dependent DNA biosynthetic process phosphorylat		I–kappaB phosphorylatic	positive regulation of MHC class II biosynthetic process	positive regulation of reactive oxygen species biosynthetic process	positive regulation of I–kappaB kinase/NF–kappaB	positive regulation of nucleotide-bindin oligomerization domain containing ' signaling pathway	positive regulation of nucleotide–binding oligomerization domain containing 2 signaling pathway	positive regulation of macrophage cytokine production positive positive regulation of regulation of motif) ligand 2 production	positive regulation of interferon–gamma production	positive regulation of NLRP3 inflammasome complex assembly	negative regulation of T cell apoptotic process vesicle–mediated intercellular transport cell–matrix adhesion
		positive regulation of nitric-oxide synthase biosynthetic process	positive regulation of NF-kappaB transcription factor activity	positive regulation of MAP kinase activity	signaling MyD88-dependent	toll–like receptor 4 signaling pathway	positive regulation of JNK cascade cascade positive regulation of ERK1 and ERK2 cascade cascade apositive regulation of ERK1 and ERK2 cascade cascade apositive regulation of extrinsic apoptodic signaling pathway and receiptor signaling si	positive regulation of interleuk positive regulation beta produchemokine produc	interieukin-12	mitochondrial outer membrane transposition, RNA-mediated complex assembly apoptotic mito adhesion via kinase complex	positive regulation of mitochondrial membrane permeability assembly Chondrial changes Envolved in apoptotic In agrophic process Positive regulation of Aug 1/U.K.1 (inase comple assembly) Chondrial changes Envolved in apoptotic in agrophic process
		tion of RNA p	positive regulation olymerase II processes 5 residues	positive positive regulation of peptidyl-serine of STAT protein positive positive regulation of vitamin D biosynthetic process	toll-like receptor signaling p <mark>G prot</mark>	negative ein-coupled red regulation of ERK1 and ERK2	purinergic nucleotide excitatory excitatory excitatory regulation of signaling pathway positive regulation of signaling pathway positive regulation of signaling pathway positive regulation negative positive negative regulation	positive regulation of cytokine positive production involved regulation of regulation regulation of regulation of regulation of regulation of regulation.	positive positive ulation of regulation of feron-beta interleukin-13	plasma-membrane adhesion molecules spindle pole body organization phagocytosis	epithelial apoptotic mitochondrial membrane organization changes organization
nucleic ac	id positive	suppression by virus of host IRF3 activity negative regulation regulation catabo	break processing = - 5-75	positive regulation o phosphatasi activity positive regulation of reactive oxygen species metabolic process	lipopolysaccharide-mediated signaling pathway	cascade positive regulation of NIK/NF–kappaB	of toll—like receptor 4 signaling pathway regulation of Wnt signaling pathway regulation of pathway regulation of pathway regulation of pathway regulation of phosphatidylinositel or tyramine signaling pathway pathway regulation of pathway regulation reg	positive regulation positive regulation of tumor necrosis	positive regulation production positive regulation of teme receive fregulation of teme receive fregulation of teme receive fregulation of the free free fregulation of the free free free free free free free fr	endothelial cell proliferation calcium-dependent cell-cell adhesion via plasma membrane cell adhesion molecules cell death	process production process spindle pole body duplication cell death
phosphodiester bond hydrolysis regulation of nitric oxide biosynthetic process		of reactive oxygen species metabolic process suppression by virus of host IRF7 activity	SS stand ameeting stand ameeting stand ameeting stand stand ameeting stand stand ameeting stand stand ameeting standard	negative regulation of peptidy-serine phosphorylation of autophagy reactive avgen species biosynthetic catabase	positive regulation of cellular response to macrophage colony-stimulating	signaling negative regulation of signaling receptor activity	platelet-derived growth factor regulation of potein-coupled pathway regulation of signaling pathway regulation of projection-coupled pathway signaling pathway regulation of regulation of collocation and communication by factor—activated designation and communication by factor—activated designation of cell communicati	regulation of regulation of interleukin_23 interleukin_17	egative regulation of or necrosis factor	on of nuscle leukocyte migration migration of migration of macrophage migration of migration of macrophage migration of migration of macrophage migration of migration of migration of macrophage migration of migration of macrophage migration of migratio	negative regulation of endopeptidase activity reduction protein protei
		positive negative regulation of reduction macroautophagy	e self od proteolysis protein deneddylation	process regulation of reactive oxygen species biosynthetic process	factor stimulus astrocyte	glomerular basement membrane	positive regulation regulation pathway ballway	production production	oduction of leukocy migratio	tegulation of	positive regulation of cystem-type reduced as a state of cystem-type reduced in each of cyste
detection of lipopolysaccharide	cellular response to lipoteichoic	cellular response to retinoic acid	response to morphine	cellular response to platelet-derived growth factor stimulus	development	development different bone growth	stress-induced neuron death of platelet activation	involved in inflammatory reinterferon-gamma production regulation of	sponse cell regulation of production of molecular mediator of regulation	chemotaxis migration n of macrophage regulation of	positive regulation of receptor catabolic recipions activity regulation of receptor recipions activity regulation of receptor recipions activity regulation of positive regulation of positive regulation of positive regulation of positive regulation of recipions activities act
wound nealing	to oxidised	response to	nunoglobulin mediated immune esponse to	positive inflammatory	differentiation dif	nondrocyte stem cell primary determin maintenance	regulation by virus of mast by virus of	regulation of interleukin–6 dendritic cell cytokine cytokine production production regulation of interleukin–6 dendritic cell cytokine production integrative regulation involve in inflammation response gene	mmune response macropha migratio migratio regulation gene silencing leukocyt chemota: production of melecular regulatior regulation regulation of regulation regulation of melecular regulation regula	m of negative regulation of cell motility cell migration	process positive positive regulation of nuclease activity positive resultation of nuclease activity positive positive regulation endopeptidase activity positive positive positive positive positive positive
involved in inflammatory response	low-density lipoprotein particle stimulus res	stimulus	and an included a second	myeloid cell activation involved in nune response recdysone	regeneration ascospore determined establis establisment blood-bi	shment of rain barrier astrocyte otein	regulation of re	production of interleukin-1 silencing by miRNA positive chloride transmembrane transport regulation of interleukin-1 silencing by miRNA positive regulation of inte	mediator of immu effector of of immu effector of of intestinal regulation of intestinal regulation of immu effector of of intestinal regulation of intestinal of intestina	ne activation, complement classical activation pathway for receptor mediated regulation of Fc	regulation of gonad osteoclast development differentiation
nitric oxide production involved in inflammatory	response to gold	progesterone	humoral immune response cellular sponse to olysaccharide response to olysaccharide response to respons	se to to to axon cytokinin injury	switching local prostate	activation development activation development development regeneration	of protein localization to early endosome on regulation regulation of reuron lottor of neuron lottor lotto	of matrix metallopeptidase secretion pyrimidine–containing com	nound .	signaling pathway signaling pathway ctivation of	positive regulation of positive regulation of
response	positive regulation of	acid res	to cellular hypoxia coording from-gamma response to to according from to according from the f	to decreased caine oxygen levels ophage varion response to	establishment of blood-brain barrier osteoblast differentiation of blood-brain barrier morp	adhesion volved in heart heart assembly histoly (naptic arget mineralization of the mine	y synaptic plasticity plasticity to endosome regulation of negative regulation of transposition transposition regulation of transposition regulation regulation of transposition regulation regulat	transmembrane transport transport positive regulation of transmembrane transmembrane	cell recept signaling pathway regulation acid acid regulation	antigen cel surface receptor-mediated signaling pathway positive regulation of regulation of	regulation of re
response to amyloid-beta	inflammatory response	to	sponse wounding cellular response to resp	response of arm-negative bacterium response to artificio dal humoral immune response ukin-18 arminicrobial peptide	polarization inl , osteoblast	mineralization nibition format format format format format format cytoskel organization format cytoskel organization format format cytoskel organization format format cytoskel organization format cytoskel organization format format cytoskel organization format	negative negative regulation of regulation o	outer membrane	regulation of pid transport transport mmune sys process positive regulation mmune efferencess	response activation regulation positive of of humoral regulation	Interentiation negative regulation of regulation regulation of neuron osteoclast differentiation regulation of neuron shiplicipenesis differentiation