Genes gained in HRPE1 BP TreeMap

negative regulation of interleukin–23 production	negative regulation of interferon–gamr production	positive regulation of na interferon-gamm production	positive regulation of macrophag cytokine production	of nitric-oxide synthase biosynthetic process	lipopolysaccharide-mediated signaling pathway	cellular response to lipoteichoic acid	response to gold nanoparticle	cellular response to oxidised low-density lipoprotein particle stimulus	B cell proliferation involved in immune response	organic cation transport	muscle contraction	carnitine biosynthetic process	leukotriene metabolic process	peptidyl–arginine methylation
positive regulation of chemokine (C–X–C motif) ligand 2 production positive	in inflammato	regulation of cold-induce	interleukin	of tumor necrosis factor production	detection of lipopolysaccharide	response to	cellular response to atty, acid beta	response to morphine	intestinal epithelial structure maintenance	detection of temperature stimulus involved in sensory phagocytosis	microglial cell activation	pentose metabolic process positive	lactone biosynthetic process enosylmethic	
regulation of MHC class II biosynthetic process	negative regulation interleukin– production	17 interferon-alph	ha interferon-be	eta interleukin–12	cellular response to retinoic acid	response to	response to	l to	detection of mechanical stimulus involved in sensory perception of pain	regulation of sensory perception of pain	skeletal muscle contraction	NF-kappaB transcription factor activity	etylcholine netabolic process a-adercos/methiorine metabolic process	acetate ester metabolic processmethionine salvage
positive regulation of interleukin–1 beta production	regulation dendritic co cytokine production	regulation of interleukin–1	regulation of tumor necrosis production	of interleukin–8 production positive regulation of interleukin–6 production	cellular response to platelet–derived growth factor stimulus		to	esponse to toxic ubstance	positive regulation of DNA binding	protein I	cytosis nuclear export neuron cell-cell	choline process me	ethionine prostaglandin biosynthetic process ethionine prostanoid etabolic biosynthetic process	icosanoid superoxide metabolic process ammonium ion sulfur amino acid metabolic biosynthetic
positive regulat sarcomere organ	of r tion of	itive regulation eactive oxygen ies biosynthetic process positive	regulation of nitric oxide biosynthetic process	positive regulation of B cell proliferation	positive regulation of cellular response to macrophage colony–stimulating factor stimulus	TRIF-dependent toll-like receptor signaling pathway	I-kappaB phosphorylation	MyD88–dependent toll-like receptor signaling pathway	heart development	astrocyte development	actin filament organization	nitric oxide production involved in inflammator response	cellula respor y to mechar	positive regulation of inflammatory response
regulation of reg	positive positive	ulticellular or nism growth regulation of control	of smooth regularies	ositive ulation of ellipodium esembly positive regulation of cell growth	of nucleotide-bind	toll-like receptor 4 sitive regulation nase/NF-kappa positive		positive regulation of JNK cascade	pseudocleavage	termin button fusion synapse assem actin	chaeta development bly	wound heali involveresp inflammator response	ponse to hyporespon	oxia defense response to fungus
	ation r	positive egulation	egulation of filopodium assembly positive regulation of positive regulation regu	positive regulation of aptic assembly actin nucleation junction positive regulation regulation fapoptotic regulation programme	positive regulation of nucleotide-binding oligomerization domain containing 2 signaling pathway	regulation of MAP kinase activity negative regulation of ERK1 and ERK2	positive regulation ERK1 and E cascade positive regulation of I-kappaE kinase/NF-kap	of Rho protein signal transduction ER-nucleus signaling	membrane tubulation axonal	toskeleton genita developr embryonic relopment via ne syncytial olastoderm dacrophage erentiation genita developr negative regulation myeloid or differentiat membrar assembl	differentiation differentiation postsynapse assembly presynaptic membrane assembly		defense response Gram-nega bacteriu	negative regulation of response to oxidative stress