Genes gained in HRPE1 BP TreeMap

pheromone biosynthetic process	purine ribonucleoside biosynthetic process	tetrahydrofolate metabolic process	S-adenosylmethionine metabolic process	cellulai modifie amino ad biosynthe proces	d pol cid etic	lysaccharide catabolic process	cellular response to paraquat regulation of cellular response to macrophage colony-stimulating		lipopolysaccharide-mediated signaling pathway	respons to fungu	Se of cc	ositive regulation cellular response to macrophage olony—stimulating factor stimulus	ma	ting	regulation of female receptivity, post–mating		courtship behavior	
	tetrahydrobiopterin metabolic process	acetylcholine catabolic process	cellular modified amine acid metabolic process		protein O–linked glycosylation	ethanolamine-containing compound metabolic process				cellular response to	cellular response to cellular response to low-density lipoprotein		regulation of female r		female rece ovulat		ost–mating regulation of	
L-methionine salvage	cellular mod	metabolic prod	cess			factor stimulus	nanoparticle		retinoic	particle	particle stimulus					oviposition		
	purine–containing compound salvage	pteridine-containing compound biosynthetic		pentose metabolic process	choline metabol proces	monosaccharide catabolic process	response to	ponse to cellular respoid to oxidised low-density lipoprotein particle stimu	response to platelet-derive growth factor	response to platelet-derived	cellular response to amyloid-bet	response to	sperm	storage	regulati systemic : blood pres renin–angi	arterial sure by	intestinal e	epithelial
chitin catabolic process	carnitine biosynthetic process	diol biosynthetic process	protein glycosylation	process	ic s ph	I-kappaB nosphorylation	response to gold nanoparticle	cellular respon to macrophag colony-stimulat factor stimulu	response to	response t isoquinolin alkaloid	detection	e of to	negative positive regulation of interleukin–23 production positive regulation of chemokine (C–X-motif) ligand 2 production		chemokine (C–X–C motif) ligand 2 production	nucleotide-binding oligomerization domain containing 1 signaling pathway	positive regulation of nucleotide-binding oligomerization domain containing 1 signaling pathway	positive regulation of nucleotide-binding oligomerization domain containing 2 signaling pathway
			peptidyl-threoning modification	e leukotrie metabol process	ic phos	sphatidylethanolamine metabolic process	response to lipoteichoic	detection of lipopolysacchar	response to	response		activity oonse to	regulation of chemokine (C-X-C motif) ligand 2	positive regulation of interleukin–1	interleukin–1	positive regulation of nucleotide-binding	regulation of nucleotide-binding	TRIF-dependent toll-like
organic cation transport	negative regulation of response to oxidative stress	cell cycle comprising mitosis without cytokinesis	eye tra pigmentation	ansmembrane transport	positiv regulation inflamma respons	on of epithelial cell migration	acid postsyr memb		positive regulation of motor	morphine neurob migrati	oblast ce ation en	mitotic cell cycle, mbryonic	interferon-gamm production	regulation nterleukin- productio nterleukin-23	positive n of regulation of macrophage n-17 cytokine production on sitive regulation of cytokine		eotide—bin gomerizati gomerizati aain contain naling path	on -binding rization ontaining
negative		positive regulation of cell growth	chromatin of o	oxidative s-induced metal	matrix rallopeptidase secretion	positive regulation of fat cell differentiation	assen	ibly	neuron migration	n				production regulation of interleukin-23	nucleot interleukin–17 oligor	regulation o nucleotide-bino oligomerizatio domain contair	nucleotide-binding domain, leucine rich	nucleotide-binding oligomerization
regulation of oxidative stress–induced neuron death	adhesion	ansmembrane tra	involved in of inflammatory response reg	matrix inflar cretion invo	d healing blved in mmatory sponse	positive regulation of NLRP3 inflammasome complex assembly	membrane		epithelial of terneuron is tracheal sys	migration stem	fate		regulation of macrophage cytokine production interleukin–17 production		regulation of interleukin–17 production signaling path		eus regulation of trans-synaptic	
L_cyctine	positive regulation of multicellular organism growth	m	regulation of macrophage reg	oxidative stress—induced cell death cell death aspartate transmembrane transport	ation of ch lative induced death	emical synaptic transmission	assen	nbly	larval chitin-bas cuticle	invo in pa specif	olved	differentiation	MHC class I biosynthetic process	biosynthetic	positive regulation of nitric–oxide synthase biosynthetic process	pericentric neterochromatin assembly	regulation of nitric-oxide synthase biosynthetic	silent mating-type cassette heterochromatin assembly
L-cystine transport		proliferation I	in response of to oxidative metallo		embrane sport	growth rate negative regulation of eding behavior	interne migrat		developm pattern specification process	cell differentia	cell fat		regulation of MHC class II biosynthetic process	positive regulation of reactive oxygen species biosynthetic process	of MHC cla nitric-oxide synthase biosynthetic process	positive regulation of mRNA splicing, via spliceosome	regulation of nitric oxide biosynthetic process	regulation of nitric oxide metabolic process