## Genes gained in PELO1\_Crass BP TreeMap

gonadotropin secretion		peptidyl-cyst S-nitrosylat T-helper type immu	riation fibroblast migration  er 1 nune regulation		bio	biosynthetic		otochord phogenesis (upffer's vesicle	neuropeptide signaling pathway			ay	negative regulation of hormone secretion		positive regulation centriole replication of primary	of regulation of primate cell september biogeneems.	on reg ary of s um in	gulation septation sitiation bio		negative regulation of single strande viral RNA replication is double strand DNA intermediation.	d on <b>viral</b> ed	life cycle
positive regulation of cytosolic calcium ion concentration		killing of cells of other	p poster regulation	of T cell proliferation positive gulation of develop ansferase indu				cellular response to lipopolysaccharide	regulatio		n of cellul	neu	gulation of iromuscular synaptic Cess <sup>ion</sup>	negative regulation of transposition	regulation of mitotic division septum	cell septum regulation of mitotic cytokinesis	tion o bioge cytokir proce	f primary enesis netic cell ess as		genome packaging viral genome packaging	life cycle virion attachm to host cell	release from host cell
positive regulation of DNA methylation-dependent heterochromatin assembly	negative regulation of ribosomal protein gene transcription by RNA polymerase II	acrosome	cells of cell	nse to egg cule of membra in terial ferti	f sperm to plasma ne involve single ization	o plasr ed membi fusio	ane	regulation of double–strand break repair via homologous recombination	regulation of transposition	regulation of cellular process	regulation of microtubule cytoskeleton organization	regulati proteas core cor assen regul	asome regulation of complex endothelial cell		assembly positive regulation of mitotic cytokinetic process	regulation of mitotic cytokinetic	egulation of division septum assembly	regulation of mitotic cytokinesis	regulation of cytokinetic process	viral process	virion	of viral genome replication
negative		cardiac epithelial to mesenchym transition	establis 0 chromo	respons	stress to biotic disa		organelle	rhythm	positive regulation of pattern recognition receptor signaling pathway	negative regulation of epithelial cell proliferation	regulation of peptidoglycan recognition protein signaling pathway	ass regulatior	easome embly n of septati n signaling	septation initiation on signaling		IIIelosis	s I	ale meiotic nuclear division	regulati inflamm respo	on of of defe	nse ext	negative regulation of response to rernal stimulus negative gulation of
regulation of promacrophage schemotaxis	orostaglandir secretion	positive regulation of cilium assembly	com	ore chromo localiza embly	some ation r	nitrogen species netabolic process p	materna process involved in female pregnand	synaptonemal complex organization	regulation of endocrine process		adult fe beha		regulation of smooth muscle contraction		chrom/meio segregatio meiosis I	neiotic cell cycle		re vnaptonemal complex		of defense regulation of wound healing response		ense response o bacterium egulation response
positive regulation interferon–ga productio	mma inflamm	ion of cytokine tion involved in atory response of	negative egulatior metabol process	n macromol	n of ecule olic	regulation of type interfero producti	on i	type I nterferon roduction			multicellu	rec	gulation	regulation	cell cycle process myeloid	process myelo activa	c id cell ation	meiotic ell cycle cell activation	positiv regulati of prote kinase	n positive regulation of protein		ent in host
positive regulation interleukin	of production of	cytokine re tregulation of	negative egulation of interle factor production	regulation	interleum interl		inte	gulation of erleukin–6 roduction dosage		regulation avior	respons	response to stress		of flower development	reg	IIIIII	une onse ctivatio		positiv of pro	ositive regulation of protein kinase activity		ent in host
regulation interleukin productio	of regulation	ositive ulation of of leukin-8	gative regulat tumor necros ctor superfam okine product	negative regulation	of re	oroduction egulation terleukin- oroduction	of re	egulation of acromolecule abolic process		comotory avior	regulation of shoot system developmen	t pe	erception of pain gulation sensory rception	regulation of heart contractior	macropha activation leukocyte acti involved in im response	on macro	phage	in immune response lymphocyte activation involved in immune response	regulati of prote kinase activit	regulation of peptidyl-tyrosine phosphorylation	transport o virus in host, cell to cell	f transport of virus in multicellular host