## Genes lost in ETES1 BP TreeMap

RNA-dependent DNA			DN	DNA integration			olysis	viral penetration into host nucleus		regulation of neural precursor cell separation proliferation  cell recognition calcium ion regulation calcium ion		ric oxide neostasis a	eostasis aggregation		establishment of glial blood-brain barrier  regulation of gliogenesis		stem cell differentiation	flagellated sperm motility		cilium-dependent cell motility
								establishment of integrated proviral latency				ome localization to plasma membrane adhesio		mother cell fate	regulation of cell di cell develo	pment	cell evelopment	cilium movement invo		
biosynthetic process						gative	regulation of endocytosi					entry into s host	cell fate	development	cardiac muscle cell differentiation development	involved in extracellular fluid movement	movement	ent migration  cell migration mesodermal		
regulation of transcript			activati	zymogen DNA activation recombinatior ion by RNA polymerase II		regu on of his	ulation istone fication	viral genome integration into host DNA		synaptic transmission, dopaminergic	naptic negative regulation of developmental process		calcium ion homeostasis	neuron recognition	dendrite self-avoidance generation of neurons	oidance muscle cell developmen cell fate			cilium  movement  cilium  cell motility  motility	
			regulation of histone deacetylation		ation regul tone endop ation ac	negative egulation of idopeptidase activity heparan sulfate proteoglycan biosynthetic process, enzymatic modification		homophilic cell adhesion via plasma membrane adhesion molecules		synaptic transmission, cholinergic	cell recognition	cell		collage	ting cycle, vasodilation agen and ulin-based negative		establishment of ommatidial fate morphoge of embry		morphogenesis of embryonic epithelium	
nucleic acid			antifungal peptide	antifungal peptide process		n protein ing maturation	negative regulation of transcription oby RNA polymerase II	G protein–coupled receptor		excitatory receptor transdution by p53		signal transduction by p53 class mediator	cut	icle vous syste	regulation of coagulation stem process dysis, gen and lin-based cycle perception		notum	eye cel pornhogenesis morphog atidial rotat	morphogenesis of an epithelium	
phosphodiester bond hydrolysis		biosynthetic proces positive regulation of biosynthetic process of	phosph metab proce	olipid regula polic of hist ess acetyla	tion negative one regulation of proteir	on C-terminal protein lipidation			receptor signaling regulation		regulation of		vasodilation ecdysis collagen a cuticulin-b cuticle				-1		nogenesis unidimensional of an cell growth	
		antibacterial peptides active against Gram-positive bacteri	active against  Gram-positive bacteria  polymer		on of hepara	aran sulfate can biosynthetic polysaccharide ynthetic process	positive regulation of Toll signaling pathway		to signaling pathway  G protein-coupled c		of canonical Wht ignaling pathway regulation of illular response to ansforming growth ransforming growth		svstem		term sensory perception of chemical stimulus proces				muscle tissue development	
determination of left/right mi	ompetition in a nulticellular organism	axon ensheathment	open tracheal more system embryonic	chaeta phogenesis male	skin s epidermis development	furrow formation	aevelopment	axoneme	presyna		ction	r beta stimulus notile cilium sembly	second messenger terminal button	positive regulation	of of fem	tion dors	on dorsal/ventra	spermatogenesis	positive regulation of axon extension	axon guidance
	larval somatic	amphid sensory	pattern	natomical structure rphogenesis	_	female sex determination se	head egmentation	assembly asse		nbly assembly		ght tight	t intercellular	oviposition receptivition post-mati		ating	ne membrane	spermatid	positive regulation of	positive regulation of
nerve	muscle evelopment <sup>0</sup>	organ development	cell adhesion nen	matode male tail tip orphogenesis	formation of primary	nemopoiesis	hair follicle development ring gland	axonemal dynein complex	cell p of ciliu assem	organ	ization	ablishment or	ization organization	storage		chorie	chorion-containing eggshell formation	,	regulation of anterior/posterior	dorsal/ventral
ventral cord development	heart c	cuticle development	axis	rm-band nortening	embryonic morphogenesis	central devenue devenue devenue de version d			cell w	ation	cture	cilium anization	junction assembly cilium assembly	germ cel proliferatio	regulation  of germ cell  proliferation	TOT LINE GROOT	sperm acitation	development female germ-line stem cell asymmetric division	regulation of axon guidance	guidance anterior/posterior axon guidance