

GO: Day 7 WGCNA Meturquois			
term		term	
ubiquitin-protein transferase activity		protein mono-ADP-ribosylation	
		cell projection organization	
protein serine/threonine kinase activity		microtubule-based movement	
		protein ubiquitination	
ATP binding		cilium movement	
		mitotic cytokinesis	
protein ADP-ribosylase activity		negative regulation of interferon-gamma-mediated signaling pathway	
		positive regulation of tyrosine phosphorylation of STAT protein	
NAD+ ADP-ribosyltransferase activity		protein phosphorylation	
		cilium movement involved in cell motility	
NAD+ binding		positive regulation of defense response to virus by host	
		protein ADP-ribosylation	
microtubule motor activity		positive regulation of interleukin-4-mediated signaling pathway	
		fin development	
protein-macromolecule adaptor activity		post-embryonic hemopoiesis	
		negative regulation of tyrosine phosphorylation of STAT protein	
GTPase activator activity		sperm axoneme assembly	
		non-motile cilium assembly	
transferase activity		calcineurin-dependent cell motility	
		positive regulation of sodium ion transmembrane transporter activity	
nucleoside diphosphate kinase activity		protein poly-ADP-ribosylation	
		regulation of transcription elongation from RNA polymerase II promoter	
ubiquitin protein ligase binding		intracellular transport	
		smoothened signaling pathway	
zinc ion binding		positive regulation of double-strand break repair via nonhomologous end joining	
		macrophage migration	
syntaxin-1 binding		cilium organization	
		primitive hemopoiesis	
phosphoprotein phosphatase activity		negative regulation of ubiquitin-protein transferase activity	
		positive regulation of membrane potential	
microtubule binding		cheating during chimeric sorocarp development	
metal ion binding		activation of protein kinase activity	
		developmental pigmentation	
protein serine/threonine/tyrosine kinase activity		positive regulation of transcription by RNA polymerase II	
		negative regulation of transcription by RNA polymerase II	
ubiquitin-like protein ligase binding		macrophage chemotaxis	
		protein autoubiquitination	
ubiquitin protein ligase activity		UTP biosynthetic process	
enzyme binding		olfactory behavior	
		regulation of cilium assembly	
ATP-dependent microtubule motor activity, minus-end-directed		negative regulation of viral genome replication	
		blood circulation	
myosin II binding		centriole replication	
		intracellular signal transduction	
cyclic-GMP-AMP binding		positive regulation of receptor catabolic process	
		positive regulation of NAD+ ADP-ribosyltransferase activity	
cyclic-di-GMP binding		positive regulation of membrane depolarization during cardiac muscle cell action potential	
dynein heavy chain binding		positive regulation of homotypic cell-cell adhesion	
		positive regulation of cell communication by electrical coupling	
STAT family protein binding		membrane assembly	
		histone H2A ubiquitination	
dynein intermediate chain binding		regulation of intracellular pH	
		cilium-dependent cell motility	
enzyme activator activity		negative regulation of inclusion body assembly	
		positive regulation of cation channel activity	
transcription factor binding		neuronal action potential	
		positive regulation of protein ubiquitination	
ion channel binding		motile cilium assembly	
Rac guanyl-nucleotide exchange factor activity		negative regulation of delayed rectifier potassium channel activity	
		copper ion homeostasis	
phosphorylation-dependent protein binding		bicarbonate transport	
		GTP biosynthetic process	
3',5'-cyclic-AMP phosphodiesterase activity		positive regulation of protein linear polyubiquitination	
		neutrophil chemotaxis	
protein C-terminus binding		protein stabilization	
		regulation of nucleotide-binding oligomerization domain containing signaling pathway	
ATP-dependent microtubule motor activity, plus-end-directed		protein localization to axon	
		erythrocyte differentiation	
cysteine-type endopeptidase inhibitor activity involved in apoptotic process		inhibition of cysteine-type endopeptidase activity involved in apoptotic process	
		magnesium ion homeostasis	
protein phosphatase regulator activity		signal transduction by protein phosphorylation	
		GTP biosynthetic process	
structural constituent of nuclear pore		cytoplasmic pattern recognition receptor signaling pathway in response to virus	
		protein autophosphorylation	
dynein light intermediate chain binding		inner dynein arm assembly	
cadherin binding		regulation of glucose metabolic process	
		maintenance of protein location in plasma membrane	
structural constituent of cytoskeleton		intrinsic apoptotic signaling pathway in response to DNA damage by p53 class mediator	
beta-catenin binding		regulation of signal transduction by p53 class mediator	
phosphatidylinositol-3-phosphate binding		regulation of brood size	
		axonemal dynein complex assembly	
DNA-binding transcription factor activity		negative regulation of viral release from host cell	
		respiratory gaseous exchange by respiratory system	
Rab GTPase binding		stem cell division	
		cellular response to magnesium ion	
phosphatidylinositol-3,4-bisphosphate binding		striatum development	
heparan sulfate 6-O-sulfotransferase activity		inhibitory-beta development	
		positive regulation of chromatin binding	
signaling receptor complex adaptor activity		regulation of apoptotic process	
		positive regulation of protein K63-linked ubiquitination	
cytoskeletal protein binding		positive regulation of sodium ion transport	
nuclear receptor transcription coactivator activity		positive regulation of glycogen biosynthetic process	
		spermatogenesis	
double-stranded RNA binding		epidermal growth factor receptor signaling pathway	
		mitotic cell cycle	
ATPase activity		axon guidance	
		thymus development	
DNA-binding transcription activator activity, RNA polymerase II-specific		osmosensory signaling pathway	
		defense response to virus	
NADH dehydrogenase activity		regulation of cell projection organization	
		regulation of small GTPase mediated signal transduction	
tumor necrosis factor receptor binding		regulation of potassium ion transport	
		G2/M transition of mitotic cell cycle	
intracellular calcium activated chloride channel activity		motor neuron apoptotic process	
		regulation of transcription, DNA-templated	
protein kinase activity		positive regulation of kinase activity	
		axoneme assembly	
calmodulin-dependent protein kinase activity		positive regulation of transcription, DNA-templated	
		response to 2,3,7,8-tetrachlorodibenzodioxine	
calcium-dependent cysteine-type endopeptidase activity		G1/S transition of mitotic cell cycle	
		histone monoubiquitination	
R-SMAD binding		regulation of DNA repair	
		regulation of G2/M transition of mitotic cell cycle	
motor activity		negative regulation of gene expression	
		regulation of alternative mRNA splicing, via spliceosome	
dynein light chain binding		nucleus organization	
vinculin binding		mitotic metaphase plate congression	
		cell proliferation involved in heart valve development	
protein kinase binding		cell migration involved in heart development	
		axon target recognition	
pre-mRNA intronic binding		negative regulation of filopodium assembly	
		RNA polymerase II preinitiation complex assembly	
protein N-terminus binding		positive regulation of protein targeting to membrane	
		protein import into nucleus	
kinase activator activity		necroptotic process	
		interferon-gamma-mediated signaling pathway	
ligase activity		protein auto-ADP-ribosylation	
		negative regulation of cellular senescence	
MAP kinase serine/threonine phosphatase activity		positive regulation of protein localization to nucleus	
		regulation of smoothened signaling pathway	
nuclear receptor activity		multivesicular body assembly	
		Fc-gamma receptor signaling pathway involved in phagocytosis	
calmodulin binding		activation of innate immune response	
		calcium ion import across plasma membrane	
mitogen-activated protein kinase kinase kinase binding		type I interferon signaling pathway	
		negative regulation of Ras protein signal transduction	
[hydroxymethylglutaryl-CoA reductase (NADPH)] kinase activity		regulation of dendrite morphogenesis	
		neuron apoptotic process	
[acetyl-CoA carboxylase] kinase activity		positive regulation of cell migration involved in sprouting angiogenesis	
		viral life cycle	
arginyltransferase activity		ESCRT III complex disassembly	
		cellular response to leukemia inhibitory factor	
identical protein binding		positive regulation of JNK cascade	
		nuclear pore complex assembly	
calcitriol binding		ciliary basal body-plasma membrane docking	
		RNA transport	
sequence-specific DNA binding		vesicle docking	
		de novo centriole assembly involved in multi-ciliated epithelial cell differentiation	
RNA transmembrane transporter activity		Rac protein signal transduction	
		heart development	
DNA-binding transcription factor activity, RNA polymerase II-specific		nuclear envelope reassembly	
		regulation of cilium beat frequency involved in ciliary motility	
poly-pyrimidine tract binding		ventricular system development	
		NAD metabolic process	
SH3 domain binding		cellular response to DNA damage stimulus	
		establishment of protein localization	
death receptor binding		blastocyst hatching	
		clustering of voltage-gated sodium channels	
phosphatidylinositol 3-kinase regulatory subunit binding		ephrin receptor signaling pathway	
		neuron-neuron synaptic transmission	
14-3-3 protein binding		Golgi to plasma membrane protein transport	
		visceral motor neuron differentiation	
		tricuspid valve development	
		pulmonary vein morphogenesis	
		pulmonary valve formation	
		negative regulation of SMAD protein complex assembly	
		foramen ovale closure	
		embryonic heart tube elongation	
		messenger ribonucleoprotein complex assembly	
		protein localization	
		positive regulation of RNA export from nucleus	
		positive regulation of protein binding	
		signal transduction in response to DNA damage	
		post-anal tail morphogenesis	
		response to pheromone	
		establishment of planar polarity	
		rhombomere 6 development	
		positive regulation of protein kinase activity	
		positive regulation of interleukin-8 production	
		dsRNA transport	
		T cell differentiation in thymus	
		protein K48-linked ubiquitination	
		regulation of lamellipodium assembly	
		epithelial cilium movement involved in extracellular fluid movement	
		cellular response to nutrient levels	
		intrinsic apoptotic signaling pathway in response to DNA damage	
		spindle assembly	
		negative regulation of G1/S transition of mitotic cell cycle	
		planar cell polarity pathway involved in neural tube closure	
		negative regulation of Rac protein signal transduction	
		negative regulation of calcineurin-NFAT signaling cascade	
		regulation of cellular senescence	
		vitellogenesis	
		peptidyl-serine phosphorylation	
		histone H2B ubiquitination	
		positive regulation of viral genome replication	
		negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	
		polarized epithelial cell differentiation	
		regulation of telomere maintenance	
		ubiquitin-dependent protein catabolic process via the N-end rule pathway	
		apical protein localization	
		positive regulation of protein phosphorylation	
		negative regulation of phosphorylation	
		endosomal vesicle fusion	
		regulation of transcription by RNA polymerase II	
		regulation of transforming growth factor beta receptor signaling pathway	
		regulation of necroptotic process	
		protein localization to organelle	
		regulation of NIK/NF-kappaB signaling	
		ubiquitin-dependent protein catabolic process	
		planar cell polarity pathway involved in axon guidance	
		transcription, DNA-templated	
		neural tube patterning	
		innate immune response	
		membrane depolarization during action potential	
		response to peptide	
		negative regulation of peptidyl-serine phosphorylation	
		negative regulation of potassium ion transmembrane transporter activity	
		heparan sulfate proteoglycan biosynthetic process, polysaccharide chain biosynthetic process	
		positive regulation of mitochondrial outer membrane permeabilization involved in apoptotic signaling pathway	
		regulation of cilium movement	
		negative regulation of oxidative stress-induced intrinsic apoptotic signaling pathway	
		telomere tethering at nuclear periphery	
		sprouting angiogenesis	
		positive regulation of protein localization to early endosome	
		peptidyl-threonine phosphorylation	
		cellular hypotonic response	
		negative regulation of phosphatidylinositol 3-kinase signaling	
		negative regulation of protein secretion	
		negative regulation of hippo signaling	
		growth hormone receptor signaling pathway	
		NAD biosynthetic process	
		developmental growth	
		neutrophil migration	
		negative regulation of oxidative phosphorylation	
		endocardial cushion formation	
		brain morphogenesis	
		synaptic vesicle cycle	
		disbasic protein processing	
		positive regulation of protein polyubiquitination	
		negative regulation of sprouting angiogenesis	
		outer dynein arm assembly	
		amyloid precursor protein catabolic process	
		spleen development	
		midbody abscission	
		positive regulation of T-helper 2 cell cytokine production	
		glycosaminoglycan biosynthetic process	
		cellular response to exogenous dsRNA	
		retinal cone cell development	
		epithelial structure maintenance	
		establishment or maintenance of transmembrane electrochemical gradient	
		calcineurin-NFAT signaling cascade	
		regulation of protein-containing complex assembly	
		eye photoreceptor cell development	
		positive regulation of non-motile cilium assembly	
		post-embryonic development	
		positive regulation of protein catabolic process	
		endothelial cell migration	
		regulation of heart rate	
		cartilage development	
		positive regulation of lipophagy	
		protein targeting to membrane	
		positive regulation of IRE1-mediated unfolded protein response	
		muscle cell differentiation	
		B cell homeostasis	
		positive regulation of T cell chemotaxis	
		R7 cell development	
		negative regulation of dendrite morphogenesis	
		double-strand break repair via nonhomologous end joining	
		reticulophagy	
		positive regulation of RIG-I signaling pathway	
		neural tube closure	
		cellular protein localization	
		negative regulation of cardiac muscle cell proliferation	
		phospholipid efflux	
		positive regulation of canonical Wnt signaling pathway	
		guanosine tetraphosphate metabolic process	
		base conversion or substitution editing	
		positive regulation of autophagy	
		negative regulation of appetite by leptin-mediated signaling pathway	
		parathyroid hormone secretion	
		regulation of axon extension involved in axon guidance	
		cell communication	
		cellular response to dopamine	
		cellular response to manganese ion	
		regulation of establishment of planar polarity	
		plasma membrane organization	
		positive regulation of interleukin-1 beta secretion	
		positive regulation of protein K48-linked ubiquitination	
		immune system process	
		activation-induced cell death of T cells	
		negative regulation of double-strand break repair via nonhomologous end joining	
		fatty acid homeostasis	
		establishment of endothelial barrier	
		regulation of skeletal muscle contraction	
		organelle transport along microtubule	
		positive regulation of interferon-alpha production	
		cellular response to macrophage colony-stimulating factor stimulus	
		protein polyubiquitination	
		transcription initiation from RNA polymerase II promoter	
		calcium-dependent cell-cell adhesion via plasma membrane cell adhesion molecules	
		regulation of dendritic spine morphogenesis	
		heparan sulfate proteoglycan biosynthetic process, enzymatic modification	
		NADP biosynthetic process	
		positive regulation of muscle cell differentiation	
		regulation of inflammatory response	
		hindgut morphogenesis	
		heparin biosynthetic process	
		protein K6-linked ubiquitination	
		lamellipodium assembly	
		regulation of lipid metabolic process	
		hair cycle process	
		phosphatidylserine biosynthetic process	
		nuclear-transcribed mRNA poly(A) tail shortening	
		dendritic cell migration	
		regulation of protein homodimerization activity	
		neuromuscular junction development	
		behavioral response to ether	
		leg disc proximal/distal pattern formation	
		olfactory bulb development	
		cell-cell adhesion mediated by cadherin	
		negative regulation of p38MAPK cascade	
		mRNA transport	
		positive regulation of ion transmembrane transporter activity	
	MF ontology		BP ontology