subtype	Category	Term
Phosphory	GOTERM_BP_DIRECT	GO:0035335~peptidyl-tyrosine dephosphorylation
Phosphory	GOTERM_BP_DIRECT	GO:0006470~protein dephosphorylation
Phosphory	GOTERM_BP_DIRECT	GO:0030225~macrophage differentiation
Phosphory	GOTERM_BP_DIRECT	GO:0032496~response to lipopolysaccharide
Phosphory	GOTERM_BP_DIRECT	GO:0030168~platelet activation
Phosphory	GOTERM_BP_DIRECT	GO:0030316~osteoclast differentiation
Phosphory	GOTERM_BP_DIRECT	GO:0042981~regulation of apoptotic process
Phosphory	GOTERM_BP_DIRECT	GO:0007229~integrin-mediated signaling pathway
Phosphory	GOTERM_BP_DIRECT	GO:0045860~positive regulation of protein kinase activity
Phosphory	GOTERM_BP_DIRECT	GO:0032967~positive regulation of collagen biosynthetic process
Phosphory	GOTERM_BP_DIRECT	GO:0001934~positive regulation of protein phosphorylation
Phosphory	GOTERM_BP_DIRECT	GO:0001503~ossification
Phosphory	GOTERM_BP_DIRECT	GO:0033280~response to vitamin D
Differentia	GOTERM_BP_DIRECT	GO:0007268~chemical synaptic transmission
Differentia	GOTERM_BP_DIRECT	GO:0019233~sensory perception of pain
Differentia	GOTERM_BP_DIRECT	GO:0061337~cardiac conduction
Differentia	GOTERM_BP_DIRECT	GO:0070588~calcium ion transmembrane transport
Differentia	GOTERM_BP_DIRECT	GO:0031424~keratinization
Differentia	GOTERM_BP_DIRECT	GO:0034765~regulation of ion transmembrane transport
Angiogene	GOTERM_BP_DIRECT	GO:0001525~angiogenesis
Angiogene	GOTERM_BP_DIRECT	GO:0001569~patterning of blood vessels
Angiogene	GOTERM_BP_DIRECT	GO:0030198~extracellular matrix organization
Angiogene	GOTERM_BP_DIRECT	GO:0003158~endothelium development
Angiogene	GOTERM_BP_DIRECT	GO:0001938~positive regulation of endothelial cell proliferation
Angiogene	GOTERM_BP_DIRECT	GO:0043410~positive regulation of MAPK cascade
Angiogene	GOTERM_BP_DIRECT	GO:0010596~negative regulation of endothelial cell migration
Angiogene	GOTERM_BP_DIRECT	GO:0035924~cellular response to vascular endothelial growth fac
Angiogene	GOTERM_BP_DIRECT	GO:0003151~outflow tract morphogenesis
Angiogene	GOTERM_BP_DIRECT	GO:0045766~positive regulation of angiogenesis
Angiogene	GOTERM_BP_DIRECT	GO:0008015~blood circulation
Angiogene	GOTERM_BP_DIRECT	GO:0009611~response to wounding
Angiogene	GOTERM_BP_DIRECT	GO:0001570~vasculogenesis
Angiogene	GOTERM_BP_DIRECT	GO:0042311~vasodilation
Angiogene	GOTERM_BP_DIRECT	GO:0016525~negative regulation of angiogenesis
Angiogene	GOTERM_BP_DIRECT	GO:0014911~positive regulation of smooth muscle cell migration
Angiogene	GOTERM_BP_DIRECT	GO:0035815~positive regulation of renal sodium excretion
Angiogene	GOTERM_BP_DIRECT	GO:0007599~hemostasis
Angiogene	GOTERM_BP_DIRECT	GO:0048514~blood vessel morphogenesis
Angiogene	GOTERM_BP_DIRECT	GO:0031290~retinal ganglion cell axon guidance
Angiogene	GOTERM_BP_DIRECT	GO:0061299~retina vasculature morphogenesis in camera-type
Angiogene	GOTERM_BP_DIRECT	GO:0090051~negative regulation of cell migration involved in spr
Angiogene	GOTERM_BP_DIRECT	GO:0007156~homophilic cell adhesion via plasma membrane ad
Angiogene	GOTERM_BP_DIRECT	GO:0007507~heart development
Angiogene	GOTERM_BP_DIRECT	GO:0030334~regulation of cell migration
Angiogene	GOTERM_BP_DIRECT	GO:0045907~positive regulation of vasoconstriction
Angiogene	GOTERM_BP_DIRECT	GO:0001974~blood vessel remodeling
Reactive st	GOTERM_BP_DIRECT	GO:0030199~collagen fibril organization
Reactive st	GOTERM_BP_DIRECT	GO:0030198~extracellular matrix organization
Reactive st	GOTERM_BP_DIRECT	GO:0030574~collagen catabolic process
Reactive st	GOTERM_BP_DIRECT	GO:0035987~endodermal cell differentiation
Reactive st	GOTERM_BP_DIRECT	GO:0007155~cell adhesion

Reactive st	GOTERM_BP_DIRECT	GO:0007568~aging
Reactive st	GOTERM_BP_DIRECT	GO:0001501~skeletal system development
Reactive st	GOTERM_BP_DIRECT	GO:0001666~response to hypoxia
Reactive st	GOTERM_BP_DIRECT	GO:0046426~negative regulation of JAK-STAT cascade
Reactive st	GOTERM_BP_DIRECT	GO:0070208~protein heterotrimerization
Reactive st	GOTERM_BP_DIRECT	GO:0043206~extracellular fibril organization
Reactive st	GOTERM_BP_DIRECT	GO:0071230~cellular response to amino acid stimulus
Reactive st	GOTERM_BP_DIRECT	GO:0009612~response to mechanical stimulus
Reactive st	GOTERM_BP_DIRECT	GO:0022617~extracellular matrix disassembly
Reactive st	GOTERM_BP_DIRECT	GO:0007160~cell-matrix adhesion
Reactive st	GOTERM_BP_DIRECT	GO:0032355~response to estradiol
Reactive st	GOTERM_BP_DIRECT	GO:0043408~regulation of MAPK cascade
Reactive st	GOTERM_BP_DIRECT	GO:0001525~angiogenesis
Reactive st	GOTERM_BP_DIRECT	GO:0060395~SMAD protein signal transduction
Reactive st	GOTERM_BP_DIRECT	GO:0016055~Wnt signaling pathway
Reactive st	GOTERM_BP_DIRECT	GO:0060325~face morphogenesis
Reactive st	GOTERM_BP_DIRECT	GO:0030178~negative regulation of Wnt signaling pathway
Reactive st	GOTERM_BP_DIRECT	GO:0042633~hair cycle
Reactive st	GOTERM_BP_DIRECT	GO:0071560~cellular response to transforming growth factor bet
Reactive st	GOTERM_BP_DIRECT	GO:0007601~visual perception
Reactive st	GOTERM_BP_DIRECT	GO:0008284~positive regulation of cell proliferation
Reactive st	GOTERM_BP_DIRECT	GO:0002576~platelet degranulation
Reactive st	GOTERM_BP_DIRECT	GO:0006469~negative regulation of protein kinase activity
T cell	GOTERM_BP_DIRECT	GO:0006955~immune response
T cell	GOTERM_BP_DIRECT	GO:0031295~T cell costimulation
T cell	GOTERM_BP_DIRECT	GO:0006954~inflammatory response
T cell	GOTERM_BP_DIRECT	GO:0002504~antigen processing and presentation of peptide or
T cell	GOTERM_BP_DIRECT	GO:0007186~G-protein coupled receptor signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0050776~regulation of immune response
T cell	GOTERM_BP_DIRECT	GO:0070098~chemokine-mediated signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0042102~positive regulation of T cell proliferation
T cell	GOTERM_BP_DIRECT	GO:0006935~chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0071346~cellular response to interferon-gamma
T cell	GOTERM_BP_DIRECT	GO:0019886~antigen processing and presentation of exogenous
T cell	GOTERM_BP_DIRECT	GO:0006959~humoral immune response
T cell	GOTERM_BP_DIRECT	GO:0030593~neutrophil chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0042130~negative regulation of T cell proliferation
T cell	GOTERM_BP_DIRECT	GO:0007267~cell-cell signaling
T cell	GOTERM_BP_DIRECT	GO:0090023~positive regulation of neutrophil chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0019882~antigen processing and presentation
T cell	GOTERM_BP_DIRECT	GO:0071222~cellular response to lipopolysaccharide
T cell	GOTERM_BP_DIRECT	GO:0031663~lipopolysaccharide-mediated signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0060333~interferon-gamma-mediated signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0045087~innate immune response
T cell	GOTERM_BP_DIRECT	GO:0060326~cell chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0050852~T cell receptor signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0006968~cellular defense response
T cell	GOTERM_BP_DIRECT	GO:0045086~positive regulation of interleukin-2 biosynthetic pro
T cell	GOTERM_BP_DIRECT	GO:0032760~positive regulation of tumor necrosis factor product
T cell	GOTERM_BP_DIRECT	GO:0050729~positive regulation of inflammatory response
T cell	GOTERM_BP_DIRECT	GO:0071347~cellular response to interleukin-1
T cell	GOTERM_BP_DIRECT	GO:0045060~negative thymic T cell selection

T cell	GOTERM_BP_DIRECT	GO:0032729~positive regulation of interferon-gamma productio
T cell	GOTERM_BP_DIRECT	GO:0032689~negative regulation of interferon-gamma producti
T cell	GOTERM_BP_DIRECT	GO:0006952~defense response
T cell	GOTERM_BP_DIRECT	GO:0071356~cellular response to tumor necrosis factor
T cell	GOTERM_BP_DIRECT	GO:0070374~positive regulation of ERK1 and ERK2 cascade
T cell	GOTERM_BP_DIRECT	GO:0032753~positive regulation of interleukin-4 production
T cell	GOTERM_BP_DIRECT	GO:0002548~monocyte chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0007165~signal transduction
T cell	GOTERM_BP_DIRECT	GO:0042110~T cell activation
T cell	GOTERM_BP_DIRECT	GO:0032720~negative regulation of tumor necrosis factor produ
T cell	GOTERM_BP_DIRECT	GO:0042535~positive regulation of tumor necrosis factor biosynth
T cell	GOTERM_BP_DIRECT	GO:0046641~positive regulation of alpha-beta T cell proliferatior
T cell	GOTERM_BP_DIRECT	GO:0001771~immunological synapse formation
T cell	GOTERM_BP_DIRECT	GO:0048247~lymphocyte chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0002690~positive regulation of leukocyte chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0050830~defense response to Gram-positive bacterium
T cell	GOTERM_BP_DIRECT	GO:0006915~apoptotic process
T cell	GOTERM_BP_DIRECT	GO:0042742~defense response to bacterium
T cell	GOTERM_BP_DIRECT	GO:0034142~toll-like receptor 4 signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0097190~apoptotic signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0042346~positive regulation of NF-kappaB import into nucle
T cell	GOTERM_BP_DIRECT	GO:0002250~adaptive immune response
T cell	GOTERM_BP_DIRECT	GO:0051897~positive regulation of protein kinase B signaling
T cell	GOTERM_BP_DIRECT	GO:0032703~negative regulation of interleukin-2 production
T cell	GOTERM_BP_DIRECT	GO:0048246~macrophage chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0090630~activation of GTPase activity
T cell	GOTERM_BP_DIRECT	GO:0032496~response to lipopolysaccharide
T cell	GOTERM_BP_DIRECT	GO:0032735~positive regulation of interleukin-12 production
T cell	GOTERM_BP_DIRECT	GO:0032715~negative regulation of interleukin-6 production
T cell	GOTERM_BP_DIRECT	GO:0050870~positive regulation of T cell activation
T cell	GOTERM_BP_DIRECT	GO:0002523~leukocyte migration involved in inflammatory respo
T cell	GOTERM_BP_DIRECT	GO:0006956~complement activation
T cell	GOTERM_BP_DIRECT	GO:0019835~cytolysis
T cell	GOTERM_BP_DIRECT	GO:0006909~phagocytosis
T cell	GOTERM_BP_DIRECT	GO:0045580~regulation of T cell differentiation
T cell	GOTERM_BP_DIRECT	GO:0045059~positive thymic T cell selection
T cell	GOTERM_BP_DIRECT	GO:0070266~necroptotic process
T cell	GOTERM_BP_DIRECT	GO:0045410~positive regulation of interleukin-6 biosynthetic pro
T cell	GOTERM_BP_DIRECT	GO:0030816~positive regulation of cAMP metabolic process
T cell	GOTERM_BP_DIRECT	GO:0045416~positive regulation of interleukin-8 biosynthetic pro
T cell	GOTERM_BP_DIRECT	GO:0001768~establishment of T cell polarity
T cell	GOTERM_BP_DIRECT	GO:0002503~peptide antigen assembly with MHC class II protein
T cell	GOTERM_BP_DIRECT	GO:0007166~cell surface receptor signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0002224~toll-like receptor signaling pathway
T cell	GOTERM_BP_DIRECT	GO:0050715~positive regulation of cytokine secretion
T cell	GOTERM_BP_DIRECT	GO:0030889~negative regulation of B cell proliferation
T cell	GOTERM_BP_DIRECT	GO:0010818~T cell chemotaxis
T cell	GOTERM_BP_DIRECT	GO:0051044~positive regulation of membrane protein ectodoma
T cell	GOTERM_BP_DIRECT	GO:0032722~positive regulation of chemokine production
T cell	GOTERM_BP_DIRECT	GO:0042088~T-helper 1 type immune response
T cell	GOTERM_BP_DIRECT	GO:0050900~leukocyte migration
T cell	GOTERM_BP_DIRECT	GO:0042832~defense response to protozoan

T cell	GOTERM_BP_DIRECT	GO:0007249~I-kappaB kinase/NF-kappaB signaling
T cell	GOTERM_BP_DIRECT	GO:0002755~MyD88-dependent toll-like receptor signaling patl
T cell	GOTERM_BP_DIRECT	GO:0001916~positive regulation of T cell mediated cytotoxicity
T cell	GOTERM_BP_DIRECT	GO:0002479~antigen processing and presentation of exogenous
TGF-β	GOTERM_BP_DIRECT	GO:0006468~protein phosphorylation
TGF-β	GOTERM_BP_DIRECT	GO:0090090~negative regulation of canonical Wnt signaling patl
TGF-β	GOTERM_BP_DIRECT	GO:0043161~proteasome-mediated ubiquitin-dependent protei
TGF-β	GOTERM_BP_DIRECT	GO:0038061~NIK/NF-kappaB signaling
TGF-β	GOTERM_BP_DIRECT	GO:0070120~ciliary neurotrophic factor-mediated signaling path
TGF-β	GOTERM_BP_DIRECT	GO:0006511~ubiquitin-dependent protein catabolic process
TGF-β	GOTERM_BP_DIRECT	GO:0043488~regulation of mRNA stability
TGF-β	GOTERM_BP_DIRECT	GO:0035556~intracellular signal transduction
TGF-β	GOTERM_BP_DIRECT	GO:0090263~positive regulation of canonical Wnt signaling pathv
TGF-β	GOTERM_BP_DIRECT	GO:0006521~regulation of cellular amino acid metabolic process
TGF-β	GOTERM_BP_DIRECT	GO:0051436~negative regulation of ubiquitin-protein ligase activ
TGF-β	GOTERM_BP_DIRECT	GO:0031145~anaphase-promoting complex-dependent catabol
TGF-β	GOTERM_BP_DIRECT	GO:0051437~positive regulation of ubiquitin-protein ligase activit
TGF-β	GOTERM_BP_DIRECT	GO:0060071~Wnt signaling pathway, planar cell polarity pathway
TGF-β	GOTERM_BP_DIRECT	GO:0006366~transcription from RNA polymerase II promoter
TGF-β	GOTERM_BP_DIRECT	GO:0018107~peptidyl-threonine phosphorylation
TGF-β	GOTERM_BP_DIRECT	GO:0045669~positive regulation of osteoblast differentiation
TGF-β	GOTERM_BP_DIRECT	GO:0002223~stimulatory C-type lectin receptor signaling pathwa
TGF-β	GOTERM_BP_DIRECT	GO:0007399~nervous system development
TGF-β	GOTERM_BP_DIRECT	GO:0003148~outflow tract septum morphogenesis
TGF-β	GOTERM_BP_DIRECT	GO:0035329~hippo signaling
TGF-β	GOTERM_BP_DIRECT	GO:0000165~MAPK cascade
TGF-β	GOTERM_BP_DIRECT	GO:0002479~antigen processing and presentation of exogenous
TGF-β	GOTERM_BP_DIRECT	GO:0006986~response to unfolded protein
TGF-β	GOTERM_BP_DIRECT	GO:0000082~G1/S transition of mitotic cell cycle
TGF-β	GOTERM_BP_DIRECT	GO:0060412~ventricular septum morphogenesis
TGF-β	GOTERM_BP_DIRECT	GO:0023014~signal transduction by protein phosphorylation
TGF-β	GOTERM_BP_DIRECT	GO:0000209~protein polyubiquitination
TGF-β	GOTERM_BP_DIRECT	GO:0018105~peptidyl-serine phosphorylation
TGF-β	GOTERM_BP_DIRECT	GO:0060271~cilium morphogenesis
TGF-β	GOTERM_BP_DIRECT	GO:0030900~forebrain development
TGF-β	GOTERM_BP_DIRECT	GO:0006355~regulation of transcription, DNA-templated
TGF-β	GOTERM_BP_DIRECT	GO:0051301~cell division
TGF-β	GOTERM_BP_DIRECT	GO:0006457~protein folding
TGF-β	GOTERM_BP_DIRECT	GO:0001701~in utero embryonic development
TGF-β	GOTERM_BP_DIRECT	GO:0046777~protein autophosphorylation
TGF-β	GOTERM_BP_DIRECT	GO:0045893~positive regulation of transcription, DNA-templatec
TGF-β	GOTERM_BP_DIRECT	GO:2001237~negative regulation of extrinsic apoptotic signaling p
TGF-β	GOTERM_BP_DIRECT	GO:0032956~regulation of actin cytoskeleton organization
TGF-β	GOTERM_BP_DIRECT	GO:0007178~transmembrane receptor protein serine/threonine
TGF-β	GOTERM_BP_DIRECT	GO:0001707~mesoderm formation
TGF-β	GOTERM_BP_DIRECT	GO:0009755~hormone-mediated signaling pathway
TGF-β	GOTERM_BP_DIRECT	GO:0043065~positive regulation of apoptotic process
TGF-β	GOTERM_BP_DIRECT	GO:0038095~Fc-epsilon receptor signaling pathway
TGF-β	GOTERM_BP_DIRECT	GO:0045600~positive regulation of fat cell differentiation
TGF-β	GOTERM_BP_DIRECT	GO:0051726~regulation of cell cycle
TGF-β	GOTERM_BP_DIRECT	GO:0014033~neural crest cell differentiation
TGF-β	GOTERM_BP_DIRECT	GO:0061626~pharyngeal arch artery morphogenesis

TGF-β	GOTERM_BP_DIRECT	GO:0003223~ventricular compact myocardium morphogenesis
TGF-β	GOTERM_BP_DIRECT	GO:0043254~regulation of protein complex assembly
TGF-β	GOTERM_BP_DIRECT	GO:0048568~embryonic organ development
TGF-β	GOTERM_BP_DIRECT	GO:0003183~mitral valve morphogenesis
TGF-β	GOTERM_BP_DIRECT	GO:0045899~positive regulation of RNA polymerase II transcripti
TGF-β	GOTERM_BP_DIRECT	GO:1900034~regulation of cellular response to heat
TGF-β	GOTERM_BP_DIRECT	GO:0048666~neuron development
TGF-β	GOTERM_BP_DIRECT	GO:0016055~Wnt signaling pathway
TGF-β	GOTERM_BP_DIRECT	GO:0030501~positive regulation of bone mineralization
TGF-β	GOTERM_BP_DIRECT	GO:0060021~palate development
TGF-β	GOTERM_BP_DIRECT	GO:0072659~protein localization to plasma membrane
IFN-γ	GOTERM_BP_DIRECT	GO:0060337~type I interferon signaling pathway
IFN-γ	GOTERM_BP_DIRECT	GO:0009615~response to virus
IFN-γ	GOTERM_BP_DIRECT	GO:0051607~defense response to virus
IFN-γ	GOTERM_BP_DIRECT	GO:0060333~interferon-gamma-mediated signaling pathway
IFN-γ	GOTERM_BP_DIRECT	GO:0045071~negative regulation of viral genome replication
IFN-γ	GOTERM_BP_DIRECT	GO:0000209~protein polyubiquitination
IFN-γ	GOTERM_BP_DIRECT	GO:0002474~antigen processing and presentation of peptide ant
IFN-γ	GOTERM_BP_DIRECT	GO:0002479~antigen processing and presentation of exogenous
IFN-γ	GOTERM_BP_DIRECT	GO:0060071~Wnt signaling pathway, planar cell polarity pathway
IFN-γ	GOTERM_BP_DIRECT	GO:0006521~regulation of cellular amino acid metabolic process
IFN-γ	GOTERM_BP_DIRECT	GO:0051436~negative regulation of ubiquitin-protein ligase activ
IFN-γ	GOTERM_BP_DIRECT	GO:0051437~positive regulation of ubiquitin-protein ligase activit
IFN-γ	GOTERM_BP_DIRECT	GO:0031145~anaphase-promoting complex-dependent catabol
IFN-γ	GOTERM_BP_DIRECT	GO:0038095~Fc-epsilon receptor signaling pathway
IFN-γ	GOTERM_BP_DIRECT	GO:0043161~proteasome-mediated ubiquitin-dependent protei
IFN-γ	GOTERM_BP_DIRECT	GO:0038061~NIK/NF-kappaB signaling
IFN-γ	GOTERM_BP_DIRECT	GO:0043488~regulation of mRNA stability
IFN-γ	GOTERM_BP_DIRECT	GO:0002223~stimulatory C-type lectin receptor signaling pathwa
IFN-γ	GOTERM_BP_DIRECT	GO:0090263~positive regulation of canonical Wnt signaling pathw
IFN-γ	GOTERM_BP_DIRECT	GO:0090090~negative regulation of canonical Wnt signaling path
IFN-γ	GOTERM_BP_DIRECT	GO:0035456~response to interferon-beta
IFN-γ	GOTERM_BP_DIRECT	GO:0019885~antigen processing and presentation of endogenou
IFN-γ	GOTERM_BP_DIRECT	GO:0032728~positive regulation of interferon-beta production
IFN-γ	GOTERM_BP_DIRECT	GO:0045787~positive regulation of cell cycle
IFN-γ	GOTERM_BP_DIRECT	GO:0033209~tumor necrosis factor-mediated signaling pathway
IFN-γ	GOTERM_BP_DIRECT	GO:0032897~negative regulation of viral transcription
IFN-γ	GOTERM_BP_DIRECT	GO:0007259~JAK-STAT cascade
IFN-γ	GOTERM_BP_DIRECT	GO:0016925~protein sumoylation
IFN-γ	GOTERM_BP_DIRECT	GO:0032727~positive regulation of interferon-alpha production
IFN-γ	GOTERM_BP_DIRECT	GO:0035455~response to interferon-alpha
IFN-γ	GOTERM_BP_DIRECT	GO:0002481~antigen processing and presentation of exogenous

Count	%	PValue
6	3.529412	1.75E-03
6	3.529412	2.78E-03
4	2.352941	1.21E-02
13	7.647059	1.55E-02
8	4.705882	1.85E-02
4	2.352941	1.98E-02
9	5.294118	3.23E-02
8	4.705882	3.48E-02
5	2.941176	0.041048317
4	2.352941	0.041538026
7	4.117647	0.042607602
6	3.529412	0.043659292
3	1.764706	0.043918657
7	2.348993	0.012294309
5	1.677852	0.035739089
4	1.342282	0.04944385
6	2.013423	0.049475398
6	2.013423	0.049475398
6	2.013423	0.049475398
21	15.44118	1.33E-08
6	4.411765	5.29E-04
14	10.29412	0.001290604
4	2.941176	0.001302494
8	5.882353	0.001562825
8	5.882353	0.001987768
5	3.676471	0.002254758
5	3.676471	0.002254758
5	3.676471	0.003554191
10	7.352941	0.00445473
6	4.411765	0.005012779
6	4.411765	0.005012779
5	3.676471	0.005283005
4	2.941176	0.005859092
7	5.147059	0.006357053
4	2.941176	0.009728081
3	2.205882	0.014134378
3	2.205882	0.014134378
3	2.205882	0.026966262
3	2.205882	0.026966262
3	2.205882	0.026966262
3	2.205882	0.026966262
6	4.411765	0.031930606
6	4.411765	0.031930606
5	3.676471	0.03331084
4	2.941176	0.047139987
4	2.941176	0.047139987
14	7.45E+00	7.26E-09
26	1.38E+01	8.01E-09
15	7.98E+00	6.34E-07
8	4.255319	9.57E-05
28	14.89362	3.33E-04

12	6.382979	6.60E-04
10	5.319149	0.001113419
11	5.851064	0.002073798
5	2.659574	0.002739261
4	2.12766	0.00373327
4	2.12766	0.00373327
6	3.191489	0.006459259
6	3.191489	0.00923986
8	4.255319	0.009359768
9	4.787234	0.011472811
6	3.191489	0.012748251
4	2.12766	0.016009432
14	7.446809	0.017336794
5	2.659574	0.018675649
6	3.191489	0.022239883
4	2.12766	0.02596206
4	2.12766	0.02596206
3	1.595745	0.028303063
6	3.191489	0.028343863
6	3.191489	0.028343863
17	9.042553	0.041015159
9	4.787234	0.041706678
5	2.659574	0.044562978
106	2.70E+01	1.14E-19
29	7.38E+00	8.35E-11
73	1.86E+01	1.64E-09
13	3.31E+00	3.74E-08
56	1.42E+01	5.47E-08
41	1.04E+01	7.93E-08
31	7.89E+00	2.92E-07
23	5.85E+00	1.32E-06
32	8.14E+00	1.45E-06
21	5.34E+00	3.53E-06
16	4.07E+00	5.56E-06
18	4.58E+00	8.46E-06
24	6.11E+00	1.47E-05
13	3.31E+00	1.99E-05
36	9.16E+00	2.24E-05
11	2.80E+00	4.22E-05
19	4.83E+00	7.22E-05
22	5.60E+00	8.75E-05
11	2.80E+00	1.04E-04
21	5.34E+00	2.05E-04
44	1.12E+01	2.20E-04
19	4.83E+00	2.55E-04
27	6.870229	3.95E-04
18	4.580153	6.01E-04
8	2.035623	8.29E-04
12	3.053435	8.95E-04
21	5.343511	0.001047053
16	4.071247	0.001087439
7	1.78117	0.001193164

15	3.816794	0.001206228
10	2.544529	0.001393715
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List Total	Pop Hits	Pop Total	Fold Enrich	Bonferroni	Benjamini	FDR
164	11	1786	5.940133	8.78E-01	8.78E-01	2.79E+00
164	12	1786	5.445122	9.65E-01	8.12E-01	4.40E+00
164	6	1786	7.260163	1.00E+00	9.92E-01	1.79E+01
164	67	1786	2.113032	1.00E+00	9.91E-01	2.23E+01
164	31	1786	2.810386	1	9.89E-01	2.61E+01
164	7	1786	6.222997	1	9.82E-01	27.67188
164	42	1786	2.333624	1	0.996451504	41.23431
164	35	1786	2.489199	1	0.995091783	43.59545
164	15	1786	3.630081	1	0.996277161	49.22114
164	9	1786	4.840108	1	0.993874466	49.63879
164	29	1786	2.62868	1	0.991382743	50.53979
164	22	1786	2.970067	1	0.988527749	51.41096
164	4	1786	8.167683	1	0.98422303	51.62359
274	14	1786	3.259124	0.999999934	0.999999934	18.34604
274	9	1786	3.621249	1	1	44.91391
274	6	1786	4.345499	1	1	56.43022
274	14	1786	2.793535	1	0.999999957	56.4539
274	14	1786	2.793535	1	0.999999957	56.4539
274	14	1786	2.793535	1	0.999999957	56.4539
127	69	1786	4.280041	1.51E-05	1.51E-05	2.13E-05
127	11	1786	7.670723	0.453095607	0.260470154	0.8461
127	73	1786	2.697012	0.770884849	0.388094153	2.053352
127	4	1786	14.06299	0.773976081	0.310493126	2.072083
127	26	1786	4.327075	0.83213221	0.300168519	2.481375
127	27	1786	4.166812	0.896718883	0.315032203	3.146025
127	9	1786	7.812773	0.923890608	0.307841646	3.561446
127	9	1786	7.812773	0.923890608	0.307841646	3.561446
127	10	1786	7.031496	0.982795007	0.398193584	5.559544
127	47	1786	2.992126	0.993867802	0.432220678	6.921428
127	17	1786	4.963409	0.996765771	0.436392087	7.756099
127	17	1786	4.963409	0.996765771	0.436392087	7.756099
127	11	1786	6.392269	0.997627683	0.422729527	8.157748
127	6	1786	9.375328	0.998775086	0.428070994	9.008542
127	25	1786	3.937638	0.999308433	0.428639352	9.737995
127	7	1786	8.035996	0.999985683	0.549194896	14.53379
127	3	1786	14.06299	0.999999912	0.661362716	20.44267
127	3	1786	14.06299	0.999999912	0.661362716	20.44267
127	4	1786	10.54724	1	0.857645633	35.54274
127	4	1786	10.54724	1	0.857645633	35.54274
127	4	1786	10.54724	1	0.857645633	35.54274
127	4	1786	10.54724	1	0.857645633	35.54274
127	26	1786	3.245306	1	0.886739944	40.62763
127	26	1786	3.245306	1	0.886739944	40.62763
127	18	1786	3.906387	1	0.883225054	41.97306
127	12	1786	4.687664	1	0.944964568	53.96401
127	12	1786	4.687664	1	0.944964568	53.96401
181	21	1786	6.578269	8.90E-06	8.90E-06	1.18E-05
181	73	1786	3.514418	9.82E-06	4.91E-06	1.30E-05
181	32	1786	4.625345	7.77E-04	2.59E-04	0.001028
181	13	1786	6.072248	0.110724801	0.028910977	0.155034
181	138	1786	2.002082	0.335177484	0.078402806	0.538302

181	37	1786	3.200239	0.554726477	0.126148146	1.064022
181	28	1786	3.524073	0.744826773	0.177260861	1.789629
181	36	1786	3.01504	0.921536084	0.272498744	3.309087
181	7	1786	7.048145	0.965366778	0.31178928	4.348978
181	4	1786	9.867403	0.989801901	0.367803739	5.882747
181	4	1786	9.867403	0.989801901	0.367803739	5.882747
181	13	1786	4.554186	0.999645477	0.514341151	9.971412
181	14	1786	4.228887	0.999988587	0.612637375	13.96987
181	25	1786	3.157569	0.999990161	0.588050691	14.13849
181	32	1786	2.775207	0.999999282	0.635962436	17.05953
181	15	1786	3.946961	0.999999853	0.649591485	18.77728
181	6	1786	6.578269	0.999999997	0.709644236	23.01884
181	69	1786	2.002082	1	0.716701372	24.68498
181	11	1786	4.485183	1	0.723085661	26.33122
181	17	1786	3.482613	1	0.765724165	30.55071
181	7	1786	5.638516	1	0.800611062	34.71443
181	7	1786	5.638516	1	0.800611062	34.71443
181	3	1786	9.867403	1	0.812915334	37.21191
181	18	1786	3.289134	1	0.79857603	37.25463
181	18	1786	3.289134	1	0.79857603	37.25463
181	101	1786	1.66085	1	0.892727901	49.28085
181	40	1786	2.220166	1	0.88653034	49.87046
181	14	1786	3.524073	1	0.893067606	52.23834
358	242	1786	2.19E+00	2.06E-16	2.06E-16	1.94E-16
358	43	1786	3.36E+00	1.50E-07	7.52E-08	1.42E-07
358	192	1786	1.90E+00	2.95E-06	9.85E-07	2.79E-06
358	13	1786	4.988827	6.73E-05	1.68E-05	6.34E-05
358	142	1786	1.967425	9.85E-05	1.97E-05	9.29E-05
358	91	1786	2.247713	1.43E-04	2.38E-05	1.35E-04
358	62	1786	2.494413	5.25E-04	7.50E-05	4.95E-04
358	41	1786	2.79861	0.002372205	2.97E-04	0.00224
358	69	1786	2.313659	0.002610203	2.90E-04	0.002465
358	37	1786	2.831496	0.006336266	6.35E-04	0.005994
358	24	1786	3.325885	0.009963603	9.10E-04	0.009442
358	30	1786	2.993296	0.015127591	0.001269459	0.014373
358	49	1786	2.443507	0.026071657	0.002030056	0.024908
358	18	1786	3.603042	0.035189235	0.002555536	0.033774
358	91	1786	1.973602	0.039525854	0.002684937	0.038021
358	14	1786	3.919792	0.073147541	0.004736304	0.071603
358	37	1786	2.56183	0.121859845	0.007614921	0.122462
358	47	1786	2.335196	0.145733823	0.008712516	0.148418
358	15	1786	3.658473	0.171083405	0.009826962	0.176777
358	46	1786	2.277508	0.3093488	0.018335833	0.348402
358	131	1786	1.675636	0.32754065	0.018718478	0.373481
358	40	1786	2.369693	0.3677225	0.020621984	0.431347
358	69	1786	1.95215	0.509442063	0.030491207	0.669339
358	39	1786	2.302535	0.661149203	0.044089964	1.015281
358	10	1786	3.991061	0.775584251	0.058019021	1.399147
358	21	1786	2.850758	0.800660661	0.060144105	1.509255
358	51	1786	2.054223	0.84843335	0.067493244	1.763384
358	34	1786	2.347683	0.859077255	0.067590977	1.83081
358	8	1786	4.365223	0.883535835	0.071461886	2.007116

358	31	1786	2.413948	0.886247185	0.069894801	2.02888
358	16	1786	3.118017	0.918880454	0.077831039	2.340734
358	35	1786	2.280607	0.940149243	0.084236296	2.620348
358	42	1786	2.138069	0.94922835	0.086357271	2.771298
358	76	1786	1.772346	0.978355991	0.106613585	3.549863
358	14	1786	3.207103	0.983906317	0.111286895	3.81897
358	37	1786	2.157331	0.995826795	0.14118042	5.035364
358	264	1786	1.341692	0.997185316	0.146770882	5.387381
358	24	1786	2.494413	0.998321093	0.154771013	5.847247
358	12	1786	3.325885	0.998884211	0.15996578	6.209297
358	7	1786	4.276137	0.999741467	0.186583613	7.49369
358	7	1786	4.276137	0.999741467	0.186583613	7.49369
358	7	1786	4.276137	0.999741467	0.186583613	7.49369
358	25	1786	2.394637	0.999918454	0.205162926	8.494745
358	10	1786	3.492179	0.999986433	0.234215824	10.02933
358	23	1786	2.385961	0.999999787	0.30043635	13.48698
358	88	1786	1.587354	0.999999974	0.327824392	15.19491
358	34	1786	2.054223	0.999999989	0.334849042	15.88777
358	8	1786	3.74162	0.999999991	0.330999435	16.00055
358	27	1786	2.217256	0.999999993	0.329474994	16.23388
358	14	1786	2.850758	0.999999999	0.346365185	17.5071
358	89	1786	1.569519	0.999999999	0.342681615	17.62357
358	28	1786	2.138069	1	0.400541191	21.43708
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358	6	1786	4.157356	1	0.449349132	24.94415
358	6	1786	4.157356	1	0.449349132	24.94415
358	67	1786	1.638122	1	0.443408746	24.97153
358	15	1786	2.660708	1	0.452535794	25.99894
358	12	1786	2.910149	1	0.472407156	27.79046
358	9	1786	3.325885	1	0.471004512	28.12564
358	9	1786	3.325885	1	0.471004512	28.12564
358	9	1786	3.325885	1	0.471004512	28.12564
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358	19	1786	2.363128	1	0.52015134	32.14152
358	4	1786	4.988827	1	0.578968257	37.18355
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358	4	1786	4.988827	1	0.578968257	37.18355
358	4	1786	4.988827	1	0.578968257	37.18355
358	4	1786	4.988827	1	0.578968257	37.18355
358	4	1786	4.988827	1	0.578968257	37.18355
358	4	1786	4.988827	1	0.578968257	37.18355
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358	95	1786	1.470391	1	0.575273626	37.39543
358	13	1786	2.686291	1	0.598542127	39.81534
358	10	1786	2.993296	1	0.626912349	42.75467
358	7	1786	3.563448	1	0.628599048	43.43204
358	7	1786	3.563448	1	0.628599048	43.43204
358	7	1786	3.563448	1	0.628599048	43.43204
358	7	1786	3.563448	1	0.628599048	43.43204
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358	51	1786	1.662942	1	0.639185129	44.89741
358	14	1786	2.494413	1	0.716155655	52.67472

358	14	1786	2.494413	1	0.716155655	52.67472
358	11	1786	2.721178	1	0.762184925	57.96968
358	11	1786	2.721178	1	0.762184925	57.96968
358	41	1786	1.703502	1	0.757547216	58.0413
218	61	1786	2.95473	0.005311335	0.005311335	0.00557
218	41	1786	2.997315	0.2442855	0.130681589	0.292544
218	33	1786	3.227412	0.344226517	0.131203724	0.440373
218	27	1786	3.337751	0.693791641	0.25611764	1.230288
218	5	1786	8.192661	0.785694099	0.265136248	1.598282
218	15	1786	4.369419	0.788307964	0.227999787	1.610912
218	28	1786	3.218545	0.807620638	0.209800181	1.709314
218	64	1786	2.304186	0.814831634	0.190073052	1.748584
218	33	1786	2.979149	0.833603929	0.1806672	1.858378
218	24	1786	3.413609	0.862235526	0.179811409	2.052026
218	24	1786	3.413609	0.862235526	0.179811409	2.052026
218	24	1786	3.413609	0.862235526	0.179811409	2.052026
218	24	1786	3.413609	0.862235526	0.179811409	2.052026
218	29	1786	3.107561	0.894895319	0.185189624	2.328859
218	52	1786	2.363267	0.983197681	0.288599604	4.184111
218	6	1786	6.827217	0.984768236	0.275211065	4.282413
218	19	1786	3.449541	0.999639778	0.432402134	7.958846
218	39	1786	2.520819	0.999663484	0.413231183	8.024362
218	24	1786	3.072248	0.999830968	0.418903841	8.684415
218	7	1786	5.8519	0.999856657	0.405838543	8.841733
218	4	1786	8.192661	0.9999683	0.437582791	10.26922
218	69	1786	2.018482	0.999973623	0.425867837	10.44157
218	41	1786	2.397852	0.999994437	0.453908755	11.88773
218	12	1786	4.09633	0.999999847	0.52629778	15.13626
218	8	1786	5.120413	0.999999895	0.518193355	15.46757
218	8	1786	5.120413	0.999999895	0.518193355	15.46757
218	17	1786	3.373448	0.999999993	0.558300434	17.84662
218	33	1786	2.482624	1	0.600348882	20.56591
218	13	1786	3.781228	1	0.602637771	21.44239
218	5	1786	6.554128	1	0.597773545	21.93923
218	5	1786	6.554128	1	0.597773545	21.93923
218	94	1786	1.743119	1	0.5868576	22.09239
218	9	1786	4.551478	1	0.608818428	24.03442
218	14	1786	3.51114	1	0.67405742	28.82662
218	19	1786	3.018349	1	0.673697244	29.63194
218	30	1786	2.457798	1	0.692431407	31.77217
218	66	1786	1.861968	1	0.693154889	32.66154
218	10	1786	4.09633	1	0.701239192	34.09872
218	10	1786	4.09633	1	0.701239192	34.09872
218	10	1786	4.09633	1	0.701239192	34.09872
218	6	1786	5.461774	1	0.72109798	36.49876
218	6	1786	5.461774	1	0.72109798	36.49876
218	49	1786	2.006366	1	0.737278701	38.69736
218	38	1786	2.155963	1	0.781357775	43.58787
218	11	1786	3.723937	1	0.786402718	44.97722
218	11	1786	3.723937	1	0.786402718	44.97722
218	3	1786	8.192661	1	0.825294542	50.01557
218	3	1786	8.192661	1	0.825294542	50.01557

218	3	1786	8.192661	1	0.825294542	50.01557
218	3	1786	8.192661	1	0.825294542	50.01557
218	3	1786	8.192661	1	0.825294542	50.01557
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218	7	1786	4.68152	1	0.833152024	51.83224
218	7	1786	4.68152	1	0.833152024	51.83224
218	7	1786	4.68152	1	0.833152024	51.83224
218	17	1786	2.891527	1	0.847327679	54.45
218	17	1786	2.891527	1	0.847327679	54.45
218	12	1786	3.413609	1	0.851655498	55.88414
218	12	1786	3.413609	1	0.851655498	55.88414
139	39	1786	6.91865	2.65E-10	2.65E-10	4.62E-10
139	49	1786	4.982235	4.29E-06	2.14E-06	7.48E-06
139	64	1786	4.216052	1.43E-05	4.76E-06	2.49E-05
139	46	1786	4.748514	8.21E-05	2.05E-05	1.43E-04
139	16	1786	8.030576	4.89E-04	9.77E-05	8.52E-04
139	33	1786	4.672335	0.015484578	0.002597573	0.027209
139	22	1786	5.256377	0.110685178	0.016618081	0.20434
139	41	1786	3.76066	0.137721303	0.018351613	0.25805
139	29	1786	4.430662	0.163320732	0.019617737	0.310454
139	24	1786	4.818345	0.210297292	0.02333334	0.410852
139	24	1786	4.818345	0.210297292	0.02333334	0.410852
139	24	1786	4.818345	0.210297292	0.02333334	0.410852
139	24	1786	4.818345	0.210297292	0.02333334	0.410852
139	38	1786	3.719424	0.298145699	0.031672086	0.615439
139	33	1786	3.893612	0.408501256	0.042814409	0.911459
139	27	1786	4.282974	0.442135096	0.043902387	1.012561
139	28	1786	4.13001	0.534456858	0.053146361	1.324341
139	39	1786	3.294595	0.855158538	0.120856991	3.313013
139	33	1786	3.504251	0.913907611	0.142102707	4.186128
139	41	1786	3.133883	0.938943881	0.151655388	4.758531
139	6	1786	8.565947	0.998892533	0.31483343	11.19031
139	7	1786	7.34224	0.999987238	0.447393459	17.84028
139	7	1786	7.34224	0.999987238	0.447393459	17.84028
139	7	1786	7.34224	0.999987238	0.447393459	17.84028
139	69	1786	2.234595	0.999997803	0.478695371	20.32256
139	3	1786	12.84892	0.999999752	0.515300332	23.295
139	14	1786	4.5889	0.999999945	0.532307569	25.28838
139	4	1786	9.636691	1	0.717895517	39.80237
139	4	1786	9.636691	1	0.717895517	39.80237
139	4	1786	9.636691	1	0.717895517	39.80237
139	4	1786	9.636691	1	0.717895517	39.80237