

ID	Molecules in Network	Score	Focus Molecules	Top Diseases and Functions
1	ANK2,CDKN1A,CFB,DMTN,EHD1,EIF2AK2,FGR,FHIT,FOXP1,ICAM1,IFI35,Integrin alpha 5 beta 1,ITGAM, KNG1, KRT34,MAPK1,MEOX1,miR-122-5p (miRNAs w/seed GGAGUGU), NMI, PARP12, PENK, PLAUR, PSME2, RAB32, RARA, RECB, RHOH, SAMHD1, SLC16A5, SLC7A1, TDRD7, TNF, TNFRSF18, TPST1,ZNF318	22	13	Cell-To-Cell Signalling and Interaction, Tissue Development, Cellular Function and Maintenance
2	AKR1C1/AKR1C2,APP,AQP1,BAX,CAPN15,CCND1,CPED1,DIDO1,DZIP3,ERBB2,FUCA1,GRB2,H2AFY,IFNG,IFNGR2,LTB P3,LTC4S,MAP1LC3B2,MFAP2,MPHOSPH9,MSMB,MTRFR2,MXD3,NF1,NFKB (complex),NRBP1,NUPR1, PACS2, PDLIM4, PMEPA1, PORCN, RUSC2,SCG5, TCF12,TGFB1	22	13	Cell Death and Survival, Nervous System Development and Function, Cancer
3	AIM1,BAI1,CNN2,CRAF,CTNNB1,DEFA5,DPEP1,EDN3,ERK,EVI2A,F13A1,FOXP3,GAD1,GPR183,GPX2,Histone h3, HNF1A,HOXB5, HSD17B2, ID3, IHH, KSR1, MGAT1, MUC6, NFL3, PAK1, PCCA, RCN1, SATB1, SLC26A2, SPAG11B, TACR3, TCF7,TOB2, TSC22D1	20	12	Cancer, Cellular Development, Cellular Growth and Proliferation
4	AKAP12,CDK14,DAPK1,DCHS1,DHCR7,DHRS2,DICER1,estrogen receptor,FDXR,FLNC,HOXB2,KAT8,KRT15,Lh, MAPK4,MAPK12,MET,miR-130a-3p (and other miRNAs w/seed AGUGCAA),NCAPD3,NCAPG2,NCAPH2,PAK3, PNOOC,PRODH,PTP4A1,RAB5C,SH3BP4,SHISA5,SMAD4,SMC2,SMC4,SPARC,SPSB1,TAGLN2,TP53	17	11	DNA Replication, Recombination, and Repair, Cell Cycle, Cellular Assembly and Organization
5	FGF11,RBPJ	2	1	Cardiovascular System Development and Function, Cellular Development, Cellular Function and Maintenance
6	FOXL2,OSR2	2	1	Tissue Morphology, Cancer, Cellular Development
7	ADRA1A,ADRA1B	2	1	Neurological Disease, Organismal Injury and Abnormalities, Renal and Urological Disease
8	KLC1,SYTL3	2	1	Cellular Assembly and Organization, Neurological Disease, Cell Morphology
9	CDO1,HIC1	2	1	Amino Acid Metabolism, Small Molecule Biochemistry, Organ Development

Top Diseases and Bio Functions

Diseases and Disorders

Name	p-value	# Molecules
Developmental Disorder	1.47E-03 - 4.36E-02	12
Neurological Disease	1.47E-03 - 4.36E-02	22
Cancer	1.57E-03 - 4.78E-02	26
Hematological Disease	2.80E-03 - 3.11E-02	13
Immunological Disease	2.80E-03 - 3.50E-02	8

Molecular and Cellular Functions

Name	p-value	# Molecules
Cell Death and Survival	1.83E-03 - 4.78E-02	18
Cell Morphology	3.18E-03 - 4.01E-02	7
Cell-To-Cell Signaling and Interaction	3.88E-03 - 4.78E-02	9
Cellular Assembly and Organization	3.88E-03 - 4.75E-02	8
Amino Acid Metabolism	4.45E-03 - 1.33E-02	1

Physiological System Development and Function

Name	p-value	# Molecules
Tissue Development	3.88E-03 - 3.93E-02	9
Auditory and Vestibular System Development and Function	4.45E-03 - 4.45E-03	1
Cell-mediated Immune Response	4.45E-03 - 4.45E-03	1
Embryonic Development	4.45E-03 - 3.93E-02	3
Endocrine System Development and Function	4.45E-03 - 3.07E-02	1