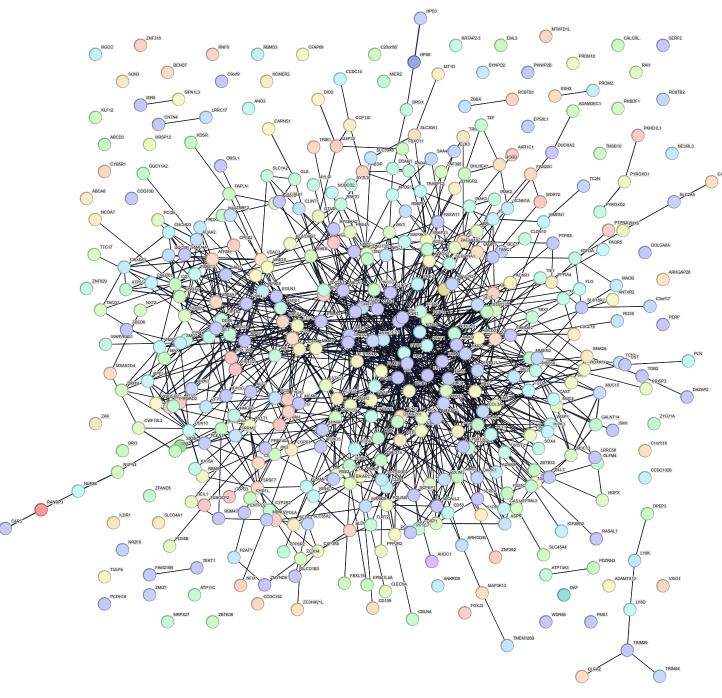
426 items (human) - STRING interaction network 2022/11/24 00:38

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s Le	egend Settings Analysis	Exports	Clusters	s More	
letwork Stats					
	number of nodes: 426 number of edges: 1164 average node degree: 5.46	expected number of o	value: 3.45e		
avg. I	ocal clustering coefficient: 0.393	than expected (what does that mean?)			
unctional enric	hments in your network				
	Biological Process (Gene Ontology)				
GO-term	description	count in network	strength	false discovery rate	
GO:0036035	Osteoclast development	4 of 7	1.42	0.0057	
GO:0001957	Intramembranous ossification	3 of 6	1.36	0.0401	
30:0030316	Osteoclast differentiation	8 of 42	0.94	0.0015	
30:0003413	Chondrocyte differentiation involved in endochondral bone	5 of 30	0.88	0.0437	
30:0060351	Cartilage development involved in endochondral bone mor	p 7 of 43	0.87	0.0075	
				(more)	
	Molecular Function (Gene Ontology)				
GO-term	description	count in network	strength	false discovery rate	
30:0002020	Protease binding	12 of 138	0.6	0.0330	
30:0005178	Integrin binding	12 of 147	0.57	0.0469	
30:0045296	Cadherin binding	25 of 334	0.54	0.00026	
30:0050839	Cell adhesion molecule binding	38 of 538	0.51	2.50e-06	
30:0003779	Actin binding	24 of 438	0.4	0.0244	
				(more)	
	Cellular Component (Gene Ontology)				
GO-term	description	count in network	strength	false discovery rate	
GO:0043034	Costamere	4 of 19	0.99	0.0292	
30:0031941	Filamentous actin	6 of 36	0.88	0.0069	
30:0044291	Cell-cell contact zone	10 of 72	0.8	0.00052	
30:0014704	Intercalated disc	7 of 51	0.8	0.0063	
30:0030864	Cortical actin cytoskeleton	9 of 68	0.78	0.0017	
				(more)	
	Reference publications (PubMed)				
publication	(vear) title	count in network	strength	false discovery rate	
	(2013) Cyclosporin A enhances the ability of trophoblasts		1.58	0.0446	
	(2011) Insights into the complex formed by matrix metallo		1.58	0.0446	
	(2014) Astragaloside IV inhibits migration and invasion in		1.49	0.0400	
	(2007) & short guide to hereditary diffuse gentric concer	6 of 0	1.40	0.0400	

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	,		6 of 10	1 44	
PMID:26097506	(2015) Testing multiple hypotheses through	1 IMP weighted F	6 of 10	1.44	0.0400 (more)
					(111012)
	KEGG Pathways				
pathway	description		count in network	strength	false discovery
hsa05100	Bacterial invasion of epithelial cells		10 of 70	0.82	0.0013
hsa04520	Adherens junction		8 of 67	0.74	0.0072
hsa04933	AGE-RAGE signaling pathway in diabetic of	mplications	11 of 98	0.71	0.0024
hsa04670	Leukocyte transendothelial migration		11 of 109 19 of 196	0.67	0.0039 6.44e-05
hsa05205	Proteoglycans in cancer		19 of 196	0.65	6.44e-05 (more)
	Reactome Pathways				
pathway	description		count in network	strength	false discovery
HSA-430116	GP1b-IX-V activation signalling		4 of 12	1.18	0.0298
HSA-180292	GAB1 signalosome		5 of 17	1.13	0.0250
HSA-3000170	Syndecan interactions		7 of 27	1.08	0.0027
HSA-9670439	Signaling by phosphorylated juxtamembra	ne, extracellular a	5 of 20	1.06	0.0232
HSA-5083636	Defective GALNT12 causes colorectal can	er 1 (CRCS1)	4 of 16	1.06	0.0469
					(more)
	WikiPathways				
pathway	description		count in network	strength	false discovery
WP4495	IL-10 anti-inflammatory signaling pathway		4 of 12	1.18	0.0341
WP3287	Overview of nanoparticle effects		4 of 19	0.99	0.0443
WP4564	Neural crest cell migration during develop	nent	7 of 39	0.92	0.0145
WP3972	PDGFR-beta pathway		5 of 29	0.9	0.0392
WP4565	Neural crest cell migration in cancer		7 of 42	0.88	0.0145
					(more)
	Tissue expression (TISSUES)				
tissue	description		count in network	strength	false discovery
3TO:0000020	Abdomen		10 of 90	0.71	0.0019
3TO:0001703	Right atrium		6 of 54	0.71	0.0435
BTO:0001049	Pharynx		7 of 68	0.67	0.0287
3TO:0001356	Tendon		9 of 97	0.63	0.0122
3TO:0000140	Bone		12 of 138	0.6	0.0029
					(more)
	Subcellular localization (COMPARTMENT	5)			
compartment	description		count in network	strength	false discovery
GOCC:0043034	Costamere		4 of 13	1.15	0.0191
GOCC:0031941	Filamentous actin		4 of 19	0.99	0.0431
GOCC:0030864	Cortical actin cytoskeleton		8 of 46	0.9	0.0013
GOCC:0044291	Cell-cell contact zone		6 of 43	0.81	0.0240
GOCC:0030863	Cortical cytoskeleton		9 of 71	0.77	0.0034
					(more)
	Human Phenotype (Monarch)				
phenotype	description		count in network	strength	false discovery
EFO:0009775	Threonine measurement		4 of 9	1.31	0.0141
HP:0001073	Cigarette-paper scars		4 of 10	1.26	0.0174
EFO:0008184	Interleukin 4 measurement		4 of 16	1.06	0.0428
HP:0006979	Sleep-wake cycle disturbance		5 of 28	0.91	0.0376
HP:0010051	Deviation of the hallux		6 of 40	0.84	0.0279
					(more)
	Annotated Keywords (UniProt)				
keyword	description		count in network	strength	false discovery
KW-0272	Extracellular matrix		17 of 265	0.47	0.0121
KW-0130	Cell adhesion		24 of 474	0.37	0.0160
KW-0206	Cytoskeleton		53 of 1215	0.3	0.00042
KW-0007	Acetylation		117 of 3341	0.21	2.92e-05
CW-0832	Ubl conjugation		78 of 2383	0.18	0.0160 (more)
tatistical backs	ground				
For the above en	richment analysis,				
he following sta s assumed:	tistical background Whole Genome	9.	ADD BACKG	ROUND	UPDATE
ave / Export					
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There were no significant patirway enrichments observed in the following categories:

Local network cluster (STRING), Disease-gene associations (DISASES), Protein Domains (Pfam), Protein Domains and

Enthropy (STATE)

Features (InterPro), Protein Domains (SMART).

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