NETWORKS	SUBNETWORKS
Tissue Repair and Angiogenesis (TRAG)	VEGF−Mediated Angiogenesis
	Sprouting and Tubulogenesis
	Immune Regulation of Angiogenesis
	HIF1A Regulation and Signaling
	Growth Factor−Mediated Angiogenesis
Senescence (DACS)	Transcriptional regulation of the SASP
	Stress induced premature senescence
	Regulation of p16INK expression
	Regulation by tumor suppressors
	Oncogene induced senescence
Necroptosis (DACS)	Fas activation
DNA Damage (DACS)	DNA damage to G2/M checkpoint
	DNA damage to G1/S checkpoint
	Components affecting TP53 activity
	DNA Damage−Agglomerated
Autophagy (DACS)	ATG induction of autophagy
Apoptosis (DACS)	TNFR1/Fas signaling
	PKC signaling
	NFkB signaling
	MAPK signaling
	ER stress−induced apoptosis
	Apoptosis−Agglomerated
Vascular Inflammation (V-IPN)	Endothelial cell−monocyte interaction
	Endothelial cell activation
Cell Stress	Xenobiotic Metabolism Response
	Oxidative Stress
	Osmotic Stress
	NFE2L2 Signaling
	Hypoxic Stress
	Endothelial Shear Stress
	Endoplasmic Reticulum Stress
Cell Proliferation	Wnt
	PGE2
	Nuclear Receptors
	Mapk
	Jak Stat
	Growth Factor
	Clock
	Cell Interaction
	Cell Cycle

1.0
0.8
0.6
0.4
0.2
0.0

I 3R4F 0.06
I 3R4F 0.225
I THS2.2 0.06
I THS2.2 0.225
I THS2.2 1.125
D 3R4F 0.06
D 3R4F 0.225
D THS2.2 0.06
D THS2.2 0.225
D THS2.2 1.125
FD 3R4F 0.06
FD 3R4F 0.225
FD THS2.2 0.06
FD THS2.2 0.225
FD THS2.2 2.25