Supplementary Table S2. Molecular and Cellular Functions

Category	p-*Value*	*Molecules*
Cellular movement	1.04E-08-8.17E-03	*RALA, CLU, TNFRSF12A, VEGFA, TRIB1, SGPL1, MCAM, EZR, STMN4, IGF1R, JUND, FXYD5, WNT5B, PTX3, HLX, FST, PLAUR, ADAM12, BHLHE40, FSCN1, IRS1, HAS2, PIK3CD, PLAU, EFEMP1*
Cellular growth and proliferation	4.12E-06-8.17E-03	*TCF4, RALA, INSIG1, CLU, MELK, TNFRSF12A, VEGFA, TRIB1, SGPL1, CAMK2N1, MCAM, PRRX1, EZR, JARID2, IGF1R, JUND, MUS81, WNT5B, BMP1, PTX3, HLX, FST, TBX3, PLAUR, PDLIM4, LTBP3, ADAM12, IRS1, BHLHE40, FSCN1, HAS2, PIK3CD, PLAU, EFEMP1, PMEPA1*
Cell-to-cell signaling and interaction	4.79E-06-8.17E-03	*PTX3, RALA, PVRL3, CLU, PLAUR, TNFRSF12A, VEGFA, ADAM12, IRS1, IGF1R, HAS2, PIK3CD, STX4, PLAU, FXYD5*
Carbohydrate metabolism	1.07E-05-8.17E-03	*VEGFA, PTX3, RALA, SERINC5, IRS1, CHST3, IGF1R, PLAUR, HAS2, PIK3CD, STX4, PLAU*
Cellular development	1.33E-05-8.17E-03	*TCF4, RALA, INSIG1, CLU, TNFRSF12A, VEGFA, SGPL1, CAMK2N1, PRRX1, EZR, IGF1R, JUND, WNT5B, BMP1, FST, TBX3, PLAUR, PDLIM4, FZD8, LTBP3, ADAM12, IRS1, BHLHE40, FSCN1, HAS2, PIK3CD, LBH, PLAU, PMEPA1*
Cell morphology	1.65E-05-8.17E-03	*TCF4, FST, RALA, PVRL3, PLAUR, VEGFA, IRS1, EZR, PRRX1, BHLHE40, STMN4, MCAM, PLAU*
Lipid metabolism	5.5E-05-8.17E-03	*PTX3, FST, RALA, INSIG1, SERINC5, CLU, TNFRSF12A, VEGFA, SGPL1, BHLHE40, SPTLC2, PIK3CD, PLAU*
Small molecule biochemistry	5.5E-05-8.17E-03	*PTX3, FST, RALA, INSIG1, SERINC5, GGH, CLU, PLAUR, TNFRSF12A, VEGFA, SGPL1, SPTLC2, BHLHE40, IRS1, IGF1R, HAS2, PIK3CD, PLAU, STX4*
Cell death	7.01E-05-8.17E-03	*TCF4, ATXN1, CLU, MELK, TNFRSF12A, VEGFA, TRIB1, SGPL1, CAMK2N1, MCAM, EZR, IGF1R, JUND, BMP1, FST, TBX3, PLAUR, PDLIM4, ADAM12, IRS1, BHLHE40, ITPR3, PIK3CD, PLAU, EFEMP1, PMEPA1*
DNA replication, recombination, and repair	3.05E-04-4.09E-03	*VEGFA, FST, IRS1, IGF1R, MUS81*
Nucleic acid metabolism	3.05E-04-3.05E-04	*VEGFA, FST, IRS1, IGF1R*
Cellular assembly and organization	3.06E-04-8.17E-03	*PTX3, RALA, PVRL3, CLU, PLAUR, TNFRSF12A, PDLIM4, VEGFA, FSCN1, EZR, STMN4, HAS2, JUND, STX4, PLAU, FXYD5*
Cellular function and maintenance	3.06E-04-8.17E-03	*PTX3, TCF4, RALA, PVRL3, CLU, PLAUR, TNFRSF12A, PDLIM4, VEGFA, FZD8, MCAM, BHLHE40, FSCN1, EZR, STMN4, IGF1R, CHST3, HAS2, PIK3CD, STX4, PLAU*
Antigen presentation	4.6E-04-2.99E-03	*PTX3, VEGFA, PLAUR, PLAU*
Molecular transport	5.68E-04-8.17E-03	*FST, RALA, GGH, PLAUR, VEGFA, SGPL1, BHLHE40, IRS1, SPTLC2, MCAM, ITPR3, IGF1R, HAS2, PIK3CD, JUND, STX4, PLAU*
Cell cycle	5.91E-04-8.17E-03	*TCF4, SGSM1, TBX3, CLU, PLAUR, MELK, VEGFA, CAMK2N1, STMN4, IRS1, BHLHE40, JARID2, IGF1R, HAS2, JUND, PLAU, MUS81*
Cellular compromise	8.86E-04-8.17E-03	*PTX3, VEGFA, SGPL1, RALA, FST, IGF1R, CLU, PLAUR, PIK3CD, STX4, PLAU*
Cell signaling	1.45E-03-7.34E-03	*PTX3, VEGFA, MCAM, IRS1, ITPR3, IGF1R, PLAUR, PIK3CD, PLAU*
Gene expression	2.11E-03-3.12E-03	*FOXD1, TCF4, FST, ZNF281, TBX3, ATXN1, NAA15, VEGFA, FZD8, LRRFIP1, PRRX1, BHLHE40, JARID2, LBH, JUND*
Vitamin and mineral metabolism	2.5E-03-8.17E-03	*VEGFA, MCAM, IRS1, GGH, ITPR3, PLAUR, PIK3CD, PLAU*
Protein trafficking	3.3E-03-3.3E-03	*VEGFA, PLAUR*
Amino acid metabolism	4.09E-03-8.17E-03	*GGH*
Drug metabolism	4.09E-03-8.17E-03	*PTX3, GGH, HAS2*
Free radical scavenging	4.09E-03-4.09E-03	*CLU*
Protein synthesis	4.15E-03-4.15E-03	*IRS1, ITPR3, IGF1R*