

Table SI. Number of nodes and edges of downregulated and upregulated genes in the protein-protein interaction network.

Serial no.	Gene	Gene regulation	Node	Edge
1	TIE1	Down	23	52
2	CACNA2D1	Down	16	101
3	CAPN6	Down	21	41
4	ADAMTS6	Down	23	51
5	SAA1	Down	23	129
6	SAA2	Up	25	236
7	GDF15	Up	17	24
8	USP26	Up	26	127
Total			35	241

TIE1, tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; CACNA2D1, calcium voltage-gated channel auxiliary subunit $\alpha 2\Delta 1$; CAPN6, calpain 6; ADAMTS6, a disintegrin and metalloproteinase with thrombospondin motifs 6; SA, serum amyloid; GDF15, growth differentiation factor 15; USP26, ubiquitin specific peptidase 26.

Table SII. Protein/gene and the number of interaction partners in the protein-protein interaction network.

Protein/gene	Number of interaction partners
TIE1	6
CACNA2D1	14
CAPN6	7
ADAMTS6	2
SAA1	15
SAA2	21
GDF15	4
USP26	5

TIE1, tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; CACNA2D1, calcium voltage-gated channel auxiliary subunit $\alpha 2\Delta 1$; CAPN6, calpain 6; ADAMTS6, a disintegrin and metalloproteinase with thrombospondin motifs 6; SA, serum amyloid; GDF15, growth differentiation factor 15; USP26, ubiquitin specific peptidase 26.

Table SIII. Downregulated and upregulated genes and their associated Entrez Gene IDs.

Serial no.	Gene	Gene regulation	Entrez gene ID
1	TIE1	Down	7075
2	CACNA2D1	Down	781
3	CAPN6	Down	827
4	ADAMTS6	Down	11174
5	SAA1	Down	6288
6	SAA2	Up	6289
7	GDF15	Up	9518
8	USP26	Up	83844

TIE1, tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; CACNA2D1, calcium voltage-gated channel auxiliary subunit $\alpha 2\Delta 1$; CAPN6, calpain 6; ADAMTS6, a disintegrin and metalloproteinase with thrombospondin motifs 6; SA, serum amyloid; GDF15, growth differentiation factor 15; USP26, ubiquitin specific peptidase 26.