

**Supplementary Table 5. The detailed information of each module.**

Module	Score (Density*#Nodes)	Nodes	Edges	Node IDs
1	19.097	32	296	CTGF, PRSS23, TNC, BGN, TIMP3, FSTL1, FBN1, APOE, LGALS1, SPARCL1, IGFBP4, COL6A3, SPARC, MXRA8, DCN, LUM, MFGES, COL3A1, GAS6, COL5A2, TIMP1, COL6A2, COL6A1, PCOLCE, IGFBP7, COL1A1, CYR61, COL1A2, FMOD, CP, COL11A1, IGFBP5
2	4	5	8	FN1, FGF7, IBSP, BGLAP, THY1
3	4	4	6	SERPING1, C1S, C1R, CFH
4	3.667	7	11	CDH11, MMP2, PDGFRB, ACAN, FBLN1, CXCL12, ACTA2
5	3.333	4	5	TPM1, MYL9, TPM2, DSTN
6	3.333	4	5	MT1E, SOD3, MT2A, MT1M
7	3	3	3	ID4, ID3, ESM1