**Table S5.** List of genes combining three network modules. BRCA (47 genes), COAD (61 genes) and GBM (38 genes).

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| --- | --- |
| **Cancer** | **List of Genes** |
| BRCA | ACAP1, BTLA, CCL5, CD2, CD247, CD3D, CD3E, CD3G, CD5, CD53, CD96, CXCR3, CXCR6, DOCK2, EVI2B, FYB, GZMA, GZMM, IKZF1, IL2RG, ITK, LCK, LCP2, LY9, NCKAP1L, PLEK, PRF1, PRKCB, PTPN7, PTPRC, PTPRCAP, PYHIN1, S1PR4, SH2D1A, SIRPG, SIT1, SLA2, SLAMF1, SLAMF6, SPN, TBC1D10C, TBX21, THEMIS, TRAT1, UBASH3A, ZAP70, ZNF831 |
| COAD | APBB1IP, ARHGAP30, ARHGAP9, BTK, C1QB, C1QC, C3AR1, CD163, CD300A, CD4, CD53, CD84, CD86, CLEC7A, CMKLR1, CSF1R, CYBB, CYTH4, DOCK10, DOCK2, DOK2, FCER1G, FPR3, HAVCR2, HCK, HCLS1, IKZF1, IL10RA, ITGAL, ITGB2, ITK, KLHL6, LAIR1, LAPTM5, LCP2, LILRB1, LILRB2, LILRB4, LRRC25, MAP4K1, MNDA, MS4A4A, MYO1G, NCKAP1L, PDCD1LG2, PIK3R5, PTPRC, RASAL3, SASH3, SIGLEC7, SIGLEC9, SIRPB2, SLA, SLAMF8, SPI1, TBC1D10C, TFEC, TLR8, TRAF3IP3, TYROBP, WAS |
| GBM | ALOX5, ARHGAP30, ARL11, C1QA, C1QB, C1QC, CD33, CD4, CD53, CD68, CD86, CSF1R, DOCK2, DOCK8, FCER1G, FCGR3A, FERMT3, HCK, IKZF1, ITGB2, LAIR1, LAPTM5, LILRB4, LRRC25, MYO1F, NCF4, NCKAP1L, PLCG2, PTPN6, SASH3, SIGLEC9, SPI1, STXBP2, SYK, TYROBP, VAMP8, VAV1, WAS |