Supplementary material

Fan G, Wei J. Identification of potential novel biomarkers and therapeutic targets involved in human atrial fibrillation based on bioinformatics analysis. Kardiol Pol. 2020; 78: 694-702. doi:10.33963/KP.15339

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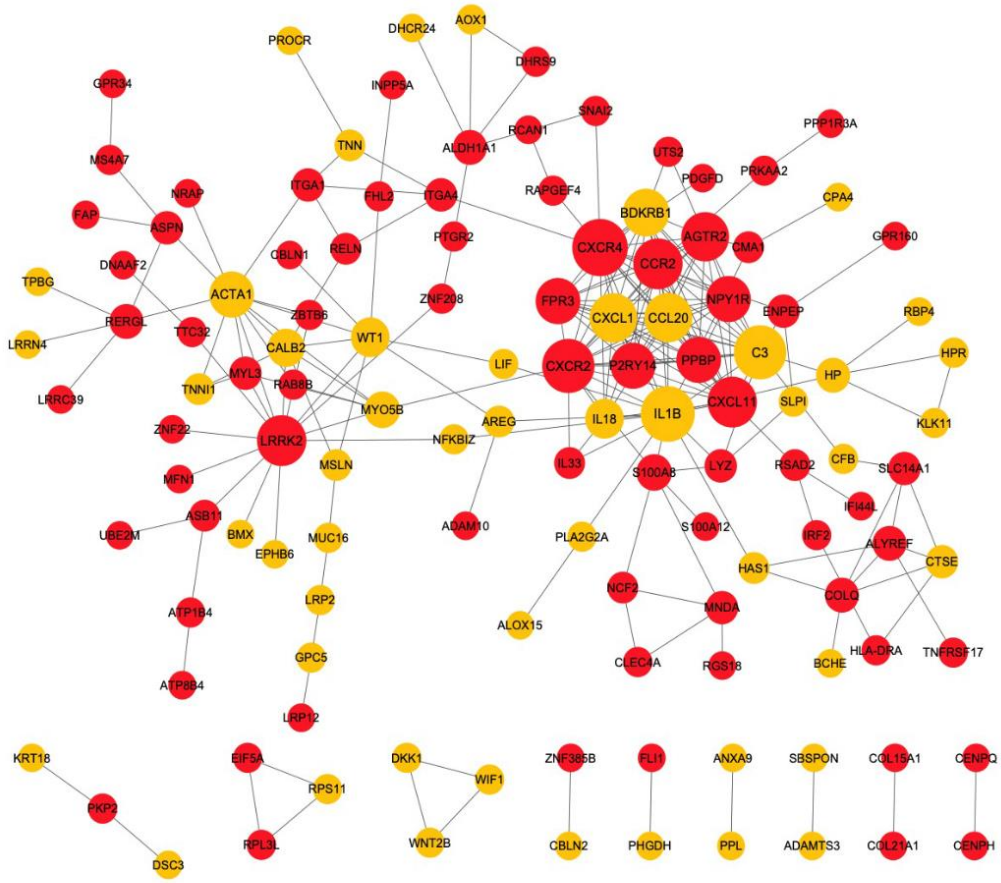
A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DHRS9
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SNAI2
PPP1R3A
TNN
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RCAN1
MS4A7
UTS2
PDGFD
PRKAA2
NRAP
ITGA1
FHL2
ITGA4
RAPGEF4
CPA4
FAP
ASPN
BDKRB1
PTGR2
CXCR4
AGTR2
CMA1
GPR160
DNAAF2
CBLN1
RELN
CCR2
TPBG
ACTA1
ZNF208
FPR3
CXCL1
CCL20
NPY1R
ENPEP
RBP4
RERGL
ZBTB6
TTC32
WT1
LRRN4
CALB2
C3
HPR
LIF
CXCR2
P2RY14
PPBP
MYL3
HP
TNNI1
RAB8B
LRRC39
CXCL11
SLPI
MYO5B
AREG
IL18
IL1B
KLK11
ZNF22
LRRK2
NFKBIZ
IL33
CFB
MSLN
S100A8
LYZ
RSAD2
SLC14A1
MFN1
IFI44L
ASB11
ADAM10
S100A12
IRF2
UBE2M
BMX
MUC16
PLA2G2A
ALYREF
EPHB6
HAS1
CTSE
NCF2
COLQ
LRP2
MNDA
ATP1B4
ALOX15
HLA-DRA
TNFRSF17
GPC5
CLEC4A
RGS18
BCHE
ATP8B4
LRP12
KRT18
EIF5A
DKK1
ZNF385B
FLI1
ANXA9
SBSPON
COL19A1
CENPQ
RPS11
WIF1
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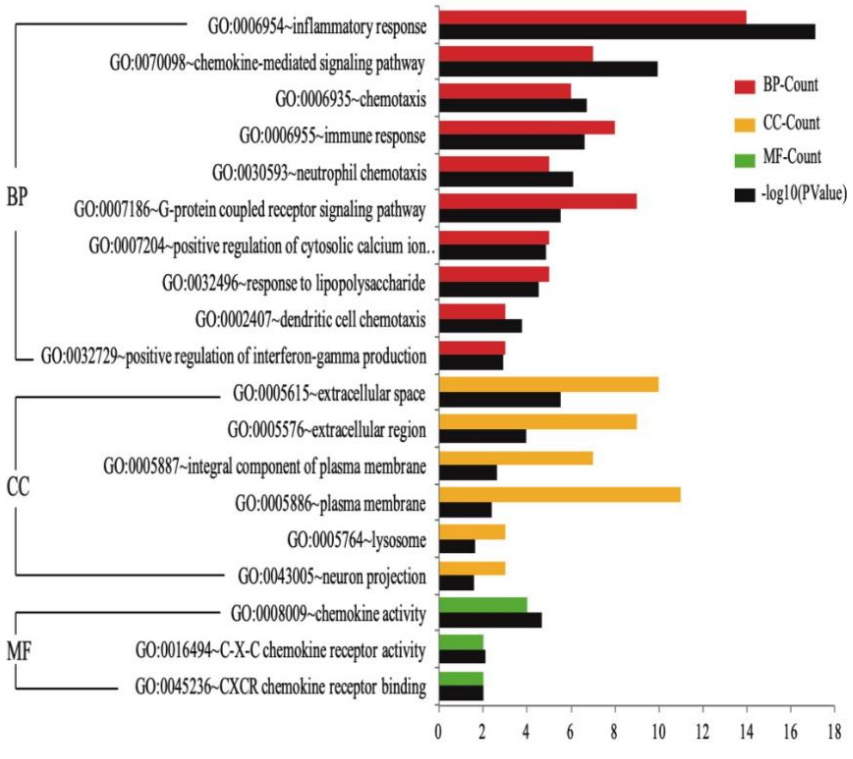
CBLN2
PHGDH
PPL
ADAMTS3
COL21A1
CENPH
DSC3

B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CC
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GO:0006935~chemotaxis
GO:0006955~immune response
GO:0030593~neutrophil chemotaxis
GO:0007186~G-protein coupled receptor signaling pathway
GO:0007204~positive regulation of cytosolic calcium ion..
GO:0032496~response to lipopolysaccharide
GO:0002407~dendritic cell chemotaxis
GO:0032729~positive regulation of interferon-gamma production
GO:0005615~extracellular space
GO:0005576~extracellular region
GO:0005887~integral component of plasma membrane
GO:0005886~plasma membrane
GO:0005764~lysosome
GO:0043005~neuron projection
GO:0008009~chemokine activity
GO:0016494~C-X-C chemokine receptor activity
GO:0045236~CXCR chemokine receptor binding
BP-Count
CC-Count
MF-Count
-log10(PValue)
0
2
4
6
8
10
12
14
16
18

Figure S1 A – DEGs protein–protein interaction network (PPI) complex; **B** – GO analysis of hub genes

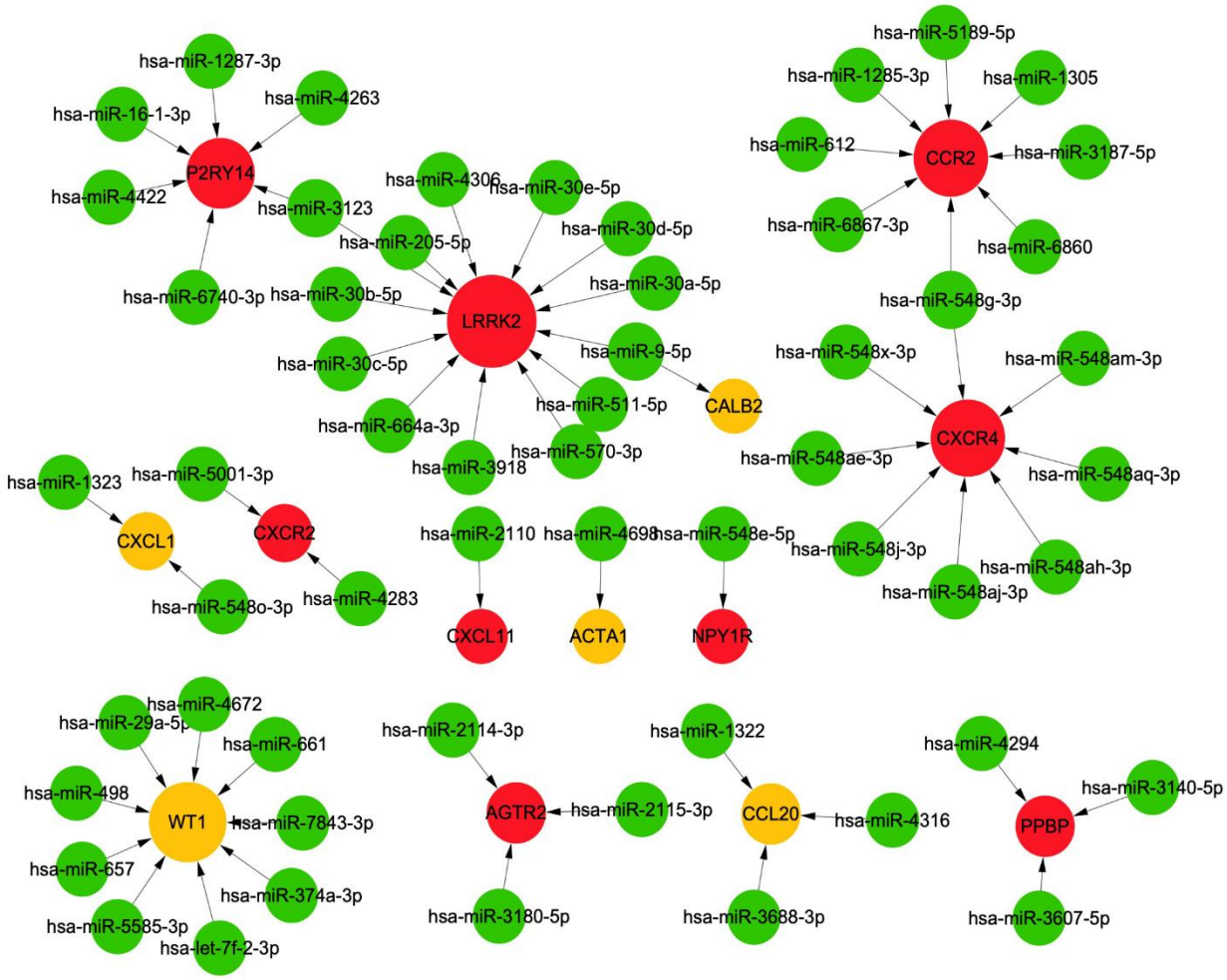

Figure S2 MicroRNAs regulatory network: red color – up-regulated; yellow color – down-regulated; green color – microRNAs