TABLE 1 GO enrichment analysis in the treatment of LF with XYHXF. GO analysis revealed that there were 3626 GO terms, represented by biological process (BP, n = 2,788), cellular component (CC, n = 60), and molecular function (MF, n = 189).

Type	Function	Gene	Number	*P* vaule
BP	response to lipopolysaccharide	NR1H3,REN,CDK4,MAPK8,F2R,NR1H4,MAPK1,MAPK14,CTSG,ICAM1,CASP1,IL1B,HDAC2,SRC,CASP3,PTGS2,MAPK3,NOS2,IL6,NLRP3,TNF,PRKCA,TSPO,CD14,LBP,CASP9,JUN,CASP8,RELA,AKT1,CYP1A2,CYP1A1,SELE,VCAM1,GSTP1,SLPI,FOS,IL10,NFKBIA,CCL2,CXCL8,NOS3,THBD,SERPINE1,MPO,CXCL2,CXCL10,CHUK,EDN1,FASLG	50	3.21E-41
BP	response to molecule of bacterial origin	NR1H3,REN,CDK4,MAPK8,F2R,NR1H4,MAPK1,MAPK14,CTSG,ICAM1,CASP1,IL1B,HDAC2,SRC,CASP3,PTGS2,MAPK3,NOS2,IL6,NLRP3,TNF,PRKCA,TSPO,CD14,LBP,CASP9,JUN,CASP8,RELA,AKT1,CYP1A2,CYP1A1,SELE,VCAM1,GSTP1,SLPI,FOS,IL10,NFKBIA,CCL2,CXCL8,NOS3,THBD,SERPINE1,MPO,CXCL2,CXCL10,CHUK,EDN1,FASLG	50	2.30E-40
BP	reactive oxygen species metabolic process	HSP90AA1,PDGFRB,MTOR,F2/MMP3/EGFR/G6PD/MAPK14/ICAM1/AGTR2/GRB2/STAT3/IL1B/AGTR1/HDAC6/PTGS2/MMP8/NOS2/BCL2/TNF/BRCA1/TSPO/AKT1/CYP1A2/CYP1A1/GSTP1/INSR/CAT/CDKN1A/IL10/TP53/SOD1/HIF1A/CAV1/NOS3/IFNG/MPO/NFE2L2/NQO1/CRP/HK2/EDN1/PRKCD	43	2.30E-35
BP	response to oxidative stress	CDK2/PARP1/PDGFRB/MAPK8/MDM2/MMP3/MMP9/MMP2/EGFR/G6PD/MAPK1/FABP1/CCNA2/HDAC2/SRC/CASP3/HDAC6/PTGS2/PTGS1/MAPK3/IL6/PRKAA2/MCL1/BCL2/TNF/JUN/RELA/AKT1/STAT1/HMOX1/GSTP1/CAT/FOS/IL10/TP53/SOD1/HIF1A/NOS3/HSPB1/COL1A1/MPO/NFE2L2/NQO1/CHUK/APP/PCNA/MET/EDN1/PRKCD/CYCS	50	1.93E-34
BP	response to reactive oxygen species	CDK2/PDGFRB/MAPK8/MDM2/MMP3/MMP9/MMP2/EGFR/MAPK1/FABP1/CCNA2/HDAC2/SRC/CASP3/HDAC6/MAPK3/IL6/BCL2/TNF/JUN/RELA/AKT1/STAT1/HMOX1/GSTP1/CAT/FOS/IL10/SOD1/NOS3/COL1A1/MPO/NFE2L2/NQO1/CHUK/PCNA/MET/EDN1/PRKCD	39	6.80E-34

BP	response to steroid hormone	VDR/AR/NR1H3/ESR1/CCND1/CCNE1/PARP1/NR3C1/MDM2/EGFR/PPARA/NR1H4/CA2/RXRA/RARB/PPARG/NR3C2/NR0B2/ICAM1/AGTR2/HDAC1/SRC/CASP3/HDAC6/PTGS2/HNF4A/NR1I3/IL6/BCL2/TNF/BRCA1/TSPO/CASP9/RELA/NR1I2/GSTP1/FOS/CDKN1A/IL10/RB1/CAV1/COL1A1/SPP1/PCNA/EDN1/HSD3B1	46	4.16E-33
BP	cellular response to oxidative stress	CDK2/PARP1/MAPK8/MDM2/MMP3/MMP9/MMP2/EGFR/G6PD/MAPK1/FABP1/CCNA2/HDAC2/SRC/HDAC6/MAPK3/IL6/PRKAA2/MCL1/BCL2/TNF/JUN/RELA/AKT1/HMOX1/GSTP1/CAT/FOS/IL10/TP53/SOD1/HIF1A/NOS3/HSPB1/MPO/NFE2L2/NQO1/CHUK/PCNA/MET/PRKCD/CYCS	42	5.73E-33
BP	regulation of reactive oxygen species metabolic process	HSP90AA1/PDGFRB/MTOR/F2/MMP3/EGFR/G6PD/MAPK14/ICAM1/AGTR2/GRB2/STAT3/IL1B/AGTR1/HDAC6/PTGS2/MMP8/BCL2/TNF/BRCA1/TSPO/AKT1/GSTP1/INSR/CDKN1A/IL10/TP53/SOD1/HIF1A/CAV1/IFNG/NFE2L2/CRP/HK2/EDN1/PRKCD	36	7.85E-33
BP	response to metal ion	CCND1/CDK4/PARP1/KIT/MAPK8/MDM2/MMP9/EGFR/FABP4/G6PD/CA2/MAPK1/ICAM1/TERT/CASP3/PTGS2/MAPK3/PRKAA2/BCL2/CASR/TSPO/CD14/SCN5A/CASP9/JUN/CASP8/AKT1/HMOX1/CYP1A2/CYP1A1/VCAM1/CAT/FOS/SOD1/HIF1A/CAV1/CCNB1/IL1A/NFE2L2/NQO1/CHUK/APP/PCNA/EDN1	44	7.11E-32
BP	response to oxygen levels	CDK4/NAMPT/PDGFRB/MTOR/MDM2/MMP2/PPARA/PPARG/EDNRA/ICAM1/TERT/FABP1/CXCR4/CCNA2/HDAC2/SRC/CASP3/PLAT/PTGS2/SLC6A4/NOS2/BCL2/DPP4/CASR/AKT1/HMOX1/CYP1A1/VCAM1/PSMD3/SLC2A4/CAT/PLAU/VEGFA/CDKN1A/TP53/RAF1/HIF1A/CAV1/MYC/CCNB1/COL1A1/NFE2L2/E2F1/HK2/EDN1	45	1.63E-31
CC	membrane raft	KDR/F2R/EGFR/MAPK1/ICAM1/PTPRC/ITGB1/SRC/CASP3/HDAC6/PTGS2/MAPK3/SLC6A4/TNF/DPP4/IKBKB/CD14/SCN5A/CASP8/HMOX1/SELE/SLC2A4/INSR/CAV1/NOS3/APP/FASLG	27	1.97E-16

CC	membrane microdomain	KDR/F2R/EGFR/MAPK1/ICAM1/PTPRC/ITGB1/SRC/CASP3/HDAC6/PTGS2/MAPK3/SLC6A4/TNF/DPP4/IKBKB/CD14/SCN5A/CASP8/HMOX1/SELE/SLC2A4/INSR/CAV1/NOS3/APP/FASLG	27	2.14E-16
CC	membrane region	KDR/F2R/EGFR/MAPK1/ICAM1/PTPRC/ITGB1/SRC/CASP3/HDAC6/PTGS2/MAPK3/SLC6A4/TNF/DPP4/IKBKB/CD14/SCN5A/CASP8/HMOX1/SELE/SLC2A4/INSR/CAV1/NOS3/APP/FASLG	27	5.44E-16
CC	RNA polymerase II transcription factor complex	VDR/NR1H3/PPARA/NR1H4/RXRA/RARB/PPARG/STAT3/NR1I3/JUN/NR1I2/FOS/RB1/TP53/HIF1A/E2F1/E2F2	17	3.95E-12
CC	caveola	F2R/MAPK1/SRC/HDAC6/PTGS2/MAPK3/SCN5A/HMOX1/SELE/INSR/CAV1/NOS3/FASLG	13	4.75E-12
CC	vesicle lumen	HSP90AA1/PYGL/EGFR/MAPK1/PLG/MAPK14/CTSG/MMP8/ALOX5/IMPDH1/GSTP1/PSMD3/SLPI/CAT/VEGFA/EGF/SERPINE1/MPO/IGF2/APP/FASLG/PRKCD/FN1	23	5.07E-12
CC	protein kinase complex	CCND1/CDK4/CDK2/CCNE1/CCNA2/PRKAB1/PRKAA2/IKBKB/INSR/CDKN1A/RB1/CCNB1/CHUK/PCNA	14	1.93E-11
CC	transcription factor complex	VDR/NR1H3/CDK4/CDK2/PARP1/PPARA/NR1H4/RXRA/RARB/PPARG/STAT3/HDAC1/NR1I3/JUN/RELA/NR1I2/FOS/RB1/TP53/HIF1A/RUNX2/E2F1/E2F2	23	2.28E-11
CC	cytoplasmic vesicle lumen	HSP90AA1/PYGL/MAPK1/PLG/MAPK14/CTSG/MMP8/ALOX5/IMPDH1/GSTP1/PSMD3/SLPI/CAT/VEGFA/EGF/SERPINE1/MPO/IGF2/APP/FASLG/PRKCD/FN1	22	3.39E-11
CC	secretory granule lumen	HSP90AA1/PYGL/MAPK1/PLG/MAPK14/CTSG/MMP8/ALOX5/IMPDH1/GSTP1/PSMD3/SLPI/CAT/VEGFA/EGF/SERPINE1/MPO/IGF2/APP/PRKCD/FN1	21	8.83E-11
MF	steroid hormone receptor activity	VDR/AR/NR1H3/ESR1/NR3C1/PPARA/NR1H4/RXRA/RARB/PPARG/NR3C2/NR0B2/HNF4A/NR1I3/NR1I2	15	1.68E-16
MF	nuclear receptor activity	VDR/AR/NR1H3/ESR1/NR3C1/PPARA/NR1H4/RXRA/RARB/PPARG/STAT3/NR1I3/NR1I2	13	1.15E-14
MF	transcription factor activity, direct ligand regulated	VDR/AR/NR1H3/ESR1/NR3C1/PPARA/NR1H4/RXRA/RARB/PPARG/STAT3/NR1I3/NR1I2	13	1.15E-14

	sequence-specific DNA binding			
MF	hormone receptor binding	VDR/ESR1/CCNE1/PARP1/PRKCB/FABP4/NR1H4/RXRA/RARB/PPARG/NR0B2/STAT3/SRC/PTPN11/BRCA1/STAT1/RB1/HIF1A/PCNA	19	1.75E-12
MF	nuclear hormone receptor binding	VDR/ESR1/CCNE1/PARP1/PRKCB/NR1H4/RXRA/RARB/PPARG/NR0B2/STAT3/SRC/BRCA1/STAT1/RB1/HIF1A/PCNA	17	6.79E-12
MF	steroid binding	VDR/AR/GC/NR1H3/ESR1/NR3C1/SERPINA6/SHBG/NR1H4/NR3C2/CD81/CYP3A4/TSPO/CAV1	14	1.17E-11
MF	ubiquitin-like protein ligase binding	HSP90AA1/AURKA/MDM2/EGFR/CXCR4/SRC/HDAC6/BCL2/BRCA1/SCN5A/JUN/CASP8/RELA/STAT1/GSK3B/CDKN1A/RB1/TP53/NFKBIA/HIF1A/CCNB1/ERBB3	22	4.30E-11
MF	cytokine receptor binding	ITGA5/GRB2/STAT3/IL1B/CASP3/IL6/TNF/CASP8/STAT1/VEGFA/IL10/CCL2/CXCL8/IL2/IFNG/IL1A/CXCL2/CXCL10/CD40LG/IL4/FASLG	21	7.28E-11
MF	integrin binding	KDR/EGFR/ICAM1/ITGB1/ITGA5/IL1B/SRC/CD81/CASR/PRKCA/VCAM1/COL3A1/SPP1/IGF2/FN1	15	9.69E-11
MF	phosphatase binding	JAK3/HMGCR/EGFR/PPARA/MAPK1/PPARG/MAPK14/GRB2/STAT3/MAPK3/BCL2/AKT1/STAT1/TP53/SOD1/ERBB2/MET	17	1.58E-10