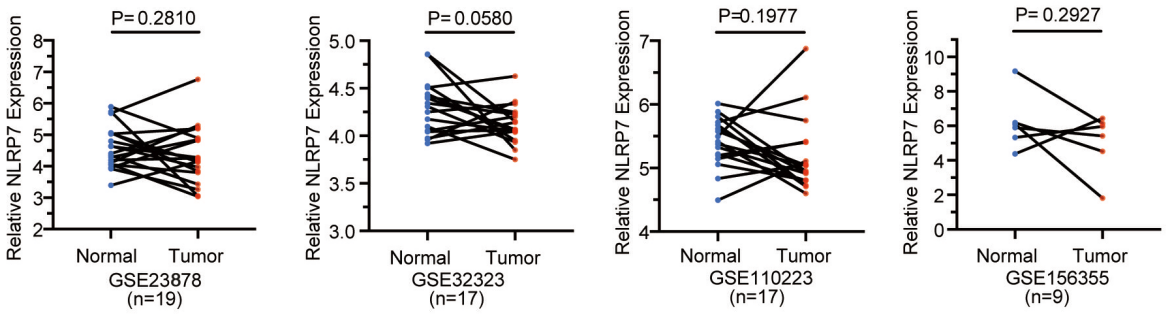
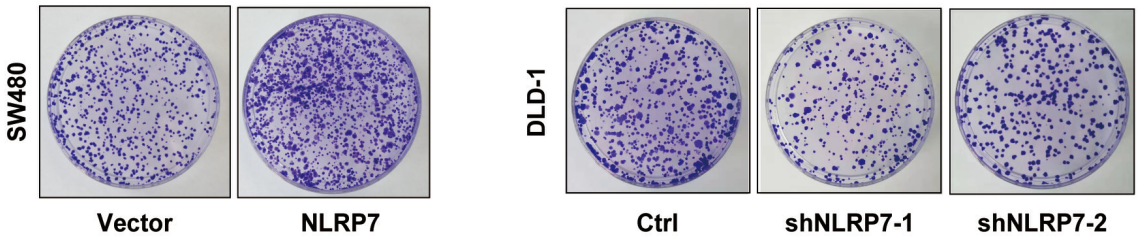
Figure S1

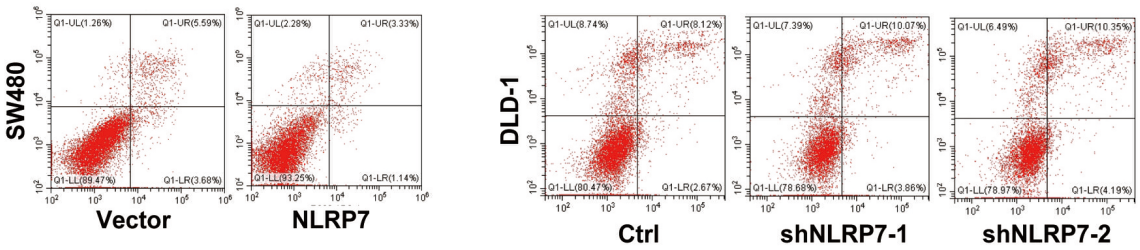
A



B



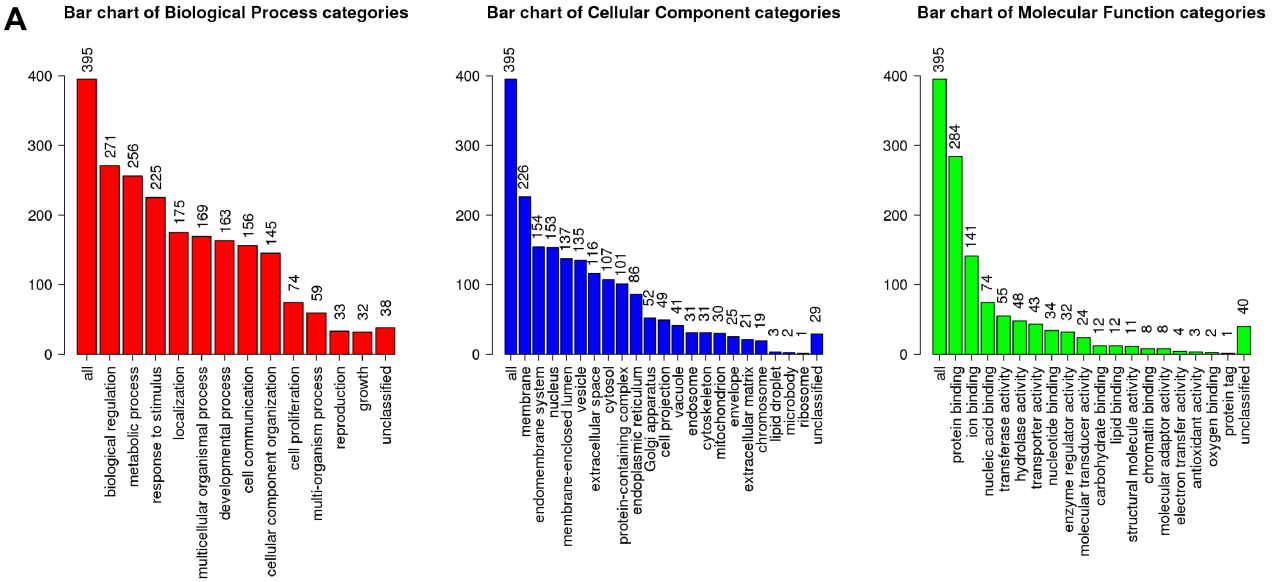
C



	Vector (SW480)			NLRP7 (SW480)		
Population	Events	% Total	% Parent	Events	% Total	% Parent
All Events	10949	100.00%	100.00%	11055	100.0%	100.00%
P1	10000	91.33%	91.33%	10000	90.46%	90.46%
Q1-UR	559	5.11%	5.59%	333	3.01%	3.33%
Q1-UL	126	1.15%	1.26%	228	2.06%	2.28%
Q1-LL	8947	81.72%	89.47%	9325	84.35%	93.25%
Q1-LR	368	3.36%	3.68%	114	1.03%	1.14%

	Ctrl (DLD-1)			shNLRP7-1 (DLD-1)			sh-NLRP7-2 (DLD-1)		
Population	Events	% Total	% Parent	Events	% Total	% Parent	Events	% Total	% Parent
All Events	10645	100.00%	100.00%	10641	100.0%	100.00%	10632	100.0%	100.00%
P1	10000	93.94%	93.94%	10000	93.98%	93.98%	10000	94.06%	94.06%
Q1-UR	812	7.63%	8.12%	1007	9.46%	10.07%	1035	9.73%	10.35%
Q1-UL	874	8.21%	8.74%	739	6.94%	7.39%	649	6.10%	6.49%
Q1-LL	8047	75.59%	80.47%	7868	73.94%	78.68%	7897	74.28%	78.97%
Q1-LR	267	2.51%	2.67%	386	3.63%	3.86%	419	3.94%	4.19%

Figure S2


A
Bar chart of Biological Process categories
Bar chart of Cellular Component categories
Bar chart of Molecular Function categories
all
biological regulation
metabolic process
response to stimulus
localization
multicellular organismal process
developmental process
cell communication
cellular component organization
cell proliferation
multi-organism process
reproduction
growth
unclassified
membrane
endomembrane system
nucleus
membrane-enclosed lumen
vesicle
extracellular space
cytosol
protein-containing complex
endoplasmic reticulum
Golgi apparatus
cell projection
vacuole
endosome
cytoskeleton
mitochondrion
envelope
extracellular matrix
chromosome
lipid droplet
microbody
ribosome
protein binding
ion binding
nucleic acid binding
transferase activity
hydrolase activity
transporter activity
nucleotide binding
enzyme regulator activity
molecular transducer activity
carbohydrate binding
lipid binding
structural molecule activity
chromatin binding
molecular adaptor activity
electron transfer activity
antioxidant activity
oxygen binding
protein tag

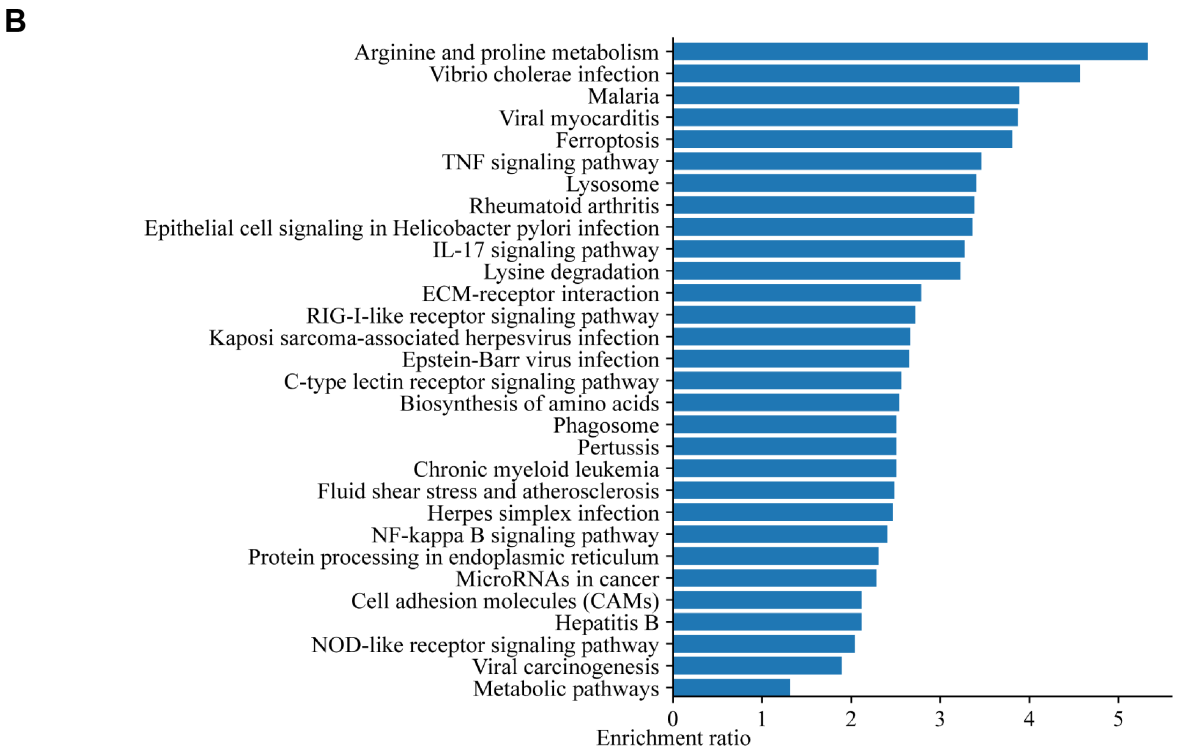
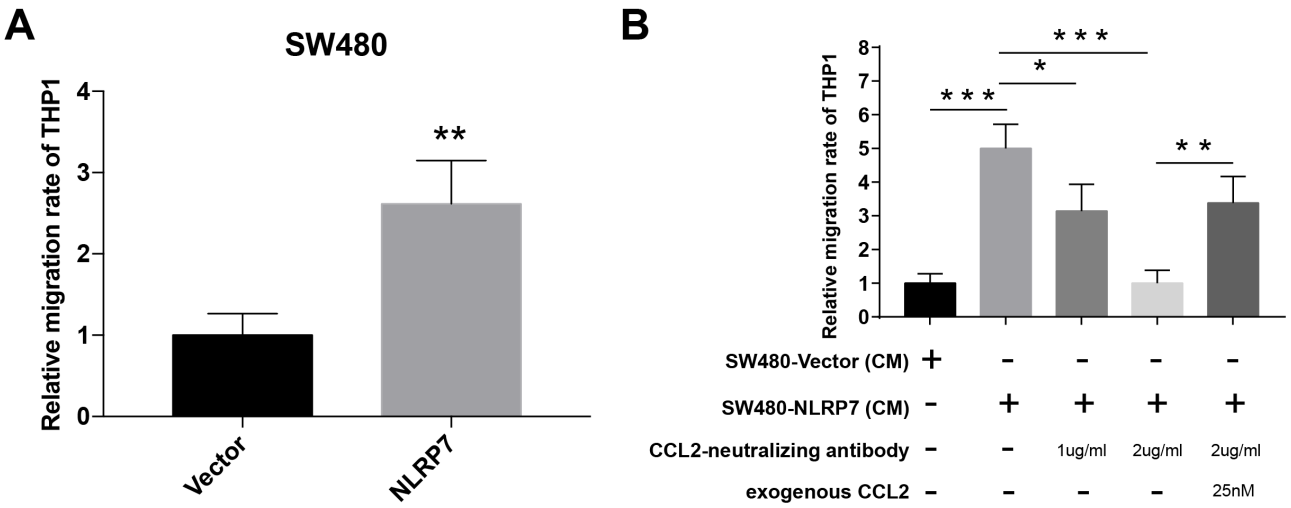

B
Arginine and proline metabolism
Vibrio cholerae infection
Malaria
Viral myocarditis
Ferroptosis
TNF signaling pathway
Lysosome
Rheumatoid arthritis
Epithelial cell signaling in Helicobacter pylori infection
IL-17 signaling pathway
Lysine degradation
ECM-receptor interaction
RIG-I-like receptor signaling pathway
Kaposi sarcoma-associated herpesvirus infection
Epstein-Barr virus infection
C-type lectin receptor signaling pathway
Biosynthesis of amino acids
Phagosome
Pertussis
Chronic myeloid leukemia
Fluid shear stress and atherosclerosis
Herpes simplex infection
NF-kappa B signaling pathway
Protein processing in endoplasmic reticulum
MicroRNAs in cancer
Cell adhesion molecules (CAMs)
Hepatitis B
NOD-like receptor signaling pathway
Viral carcinogenesis
Metabolic pathways
Enrichment ratio

Figure S3


A
SW480
Relative migration rate of THP1
0
1
2
3
4
**
Vector
NLRP7
B
Relative migration rate of THP1
0
1
2
3
4
5
6
7
8
* * *
*
* * *
* *
SW480-Vector (CM) + - - - -
SW480-NLRP7 (CM) - + + + +
CCL2-neutralizing antibody - - 1ug/ml 2ug/ml 2ug/ml
exogenous CCL2 - - - - 25nM