Supplementary Table 1 Sequence of Primers Used for Real-Time Quantitative PCR

Gene	Forward	Reverse
18s	AGTCCCTGCCCTTTGTACACA	CGATCCGAGGGCCTCACTA
IFNg	TGAGCTCATTGAATGCTTGG	ACAGCAAGGCGAAAAAGGAT
NOS2	ACATCGACCCGTCCACAGTAT	CAGAGGGGTAGGCTTGTCTC
IL-1β	GGTCAAAGGTTTGGAAGCAG	TGTGAAATGCCACCTTTTGA
IL-4	ACAGGAGAAGGGACGCCAT	GAAGCCCTACAGACGAGCTCA
IL-13	CCTGGCTCTTGCTTGCCTT	GGTCTTGTGTGATGTTGCTCA
CD206	CAGGTGTGGGCTCAGGTAGT	TGTGGTGAGCTGAAAGGTGA
Caspase-1	GCCCACTGCTGATAGGGTGA	CCCGGGAAGAGGTAGAAACG
ASC	CCAGTGTCCCTGCTCAGAGT	TCATCTTGTCTTGGCTGGTG
NLRP3	GTGGTGACCCTCTGTGAGGT	TCTTCCTGGAGCGCTTCTAA
NLRC4	GCGGAGGTGGGAGATATG	CGTAGAAGGTTTGGAACA
IL-18	CCAAATCACTTCCTCTTGGC	GGCCAAAGTTGTCTGATTCC
VEGF	CCTTCGTCCTCTCCTTACCC	AAGCCACTCACACACACAGC

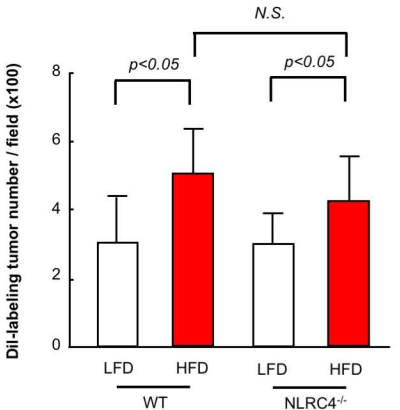
Supplementary Figure legends:

Supplementary Figure 1. High-fat diet (HFD), but not NLRC4, contributes to the early engraftment of metastatic tumor cells in the liver.

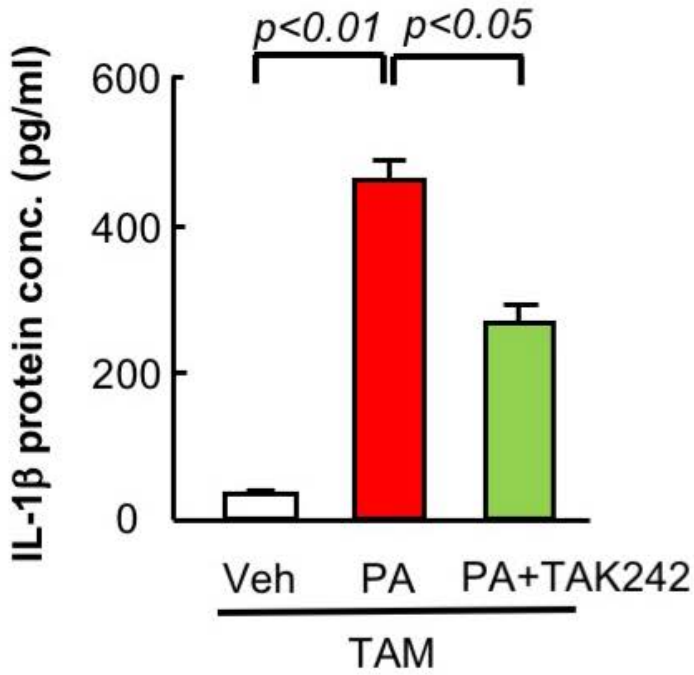
WT and NLRC4$^{-/-}$ mice were injected via the spleen with MC38 colorectal cancer (CRC) cells after 6 weeks of being fed low-fat diet (LFD) or HFD which was continued for an additional 3 days. MC38 cells used were labeled by Vybrant Dil Cell-Labeling system. Liver sections were analyzed using fluorescent microscopy and tumor foci labeled were counted from randomly selected 10 fields of x100 magnification per slide. n=5, each group. Data are shown as mean ± S.D. per group.

Supplementary Figure 2. Palmitate-mediated IL-1β production from tumor-associated macrophages (TAMs).

TAMs were isolated from WT mice. Cells were treated with 200μM palmitate for 24 hours, with or without pretreatment of 1μM TAK-242 for 1 hour. IL-1β protein concentrations in culture supernatant were measure by ELISA. Data are shown as mean ± S.E.M. from 3 independent experiments.



Supplementary Figure 1.



Supplementary Figure 2.