Supplementary Figure legends

Supplementary Fig.1: HCC development in NEMO^{LPC-KO} mice depends on death receptor-independent FADD signaling. Macroscopic images of livers from NEMO^{LPC-KO}, NEMO^{LPC-KO}/3DR^{LPC-KO} and NEMO^{LPC-KO}/FADD^{LPC-KO} mice at the age of 1 year.

Supplementary Fig.2: TNF or death receptor deficiency does not prevent biliary-epithelial-cell / oval-cell dysplasia in NEMO^{LPC-KO} mice.

A) Liver sections of 8-week-old mice with the indicated genotypes were stained for Cytokeratin 19 (TROMA-III antibody). B-D) Quantification of CK19 (B) cleaved caspase-3 (C) and Ki-67 positive hepatocytes (D) in livers from mice with the indicated genotypes. Each dot represents the average number of positive cells per mouse, counted on 5 randomly selected fields of a liver section under 200x magnification.

Supplementary Fig.3: Depletion of NK cells does not prevent apoptosis, hepatocyte proliferation, oval cell expansion and cytokine expression in NEMO^{LPC-KO} mice.

A) Liver sections of PBS- or anti-AsialoGM1 antibody-treated mice stained for cleaved caspase-3, Ki-67 and CK19, B) qRT-PCR expression analysis of RNA isolated from liver tissue of NEMO^{LPC-KO} mice treated with PBS or anti-AsialoGM1 antibody.

NEMO^{LPC-KO}

NEMO^{LPC-KO}/ 3DR^{LPC-KO}

NEMO^{LPC-KO}/ FADD^{LPC-KO}

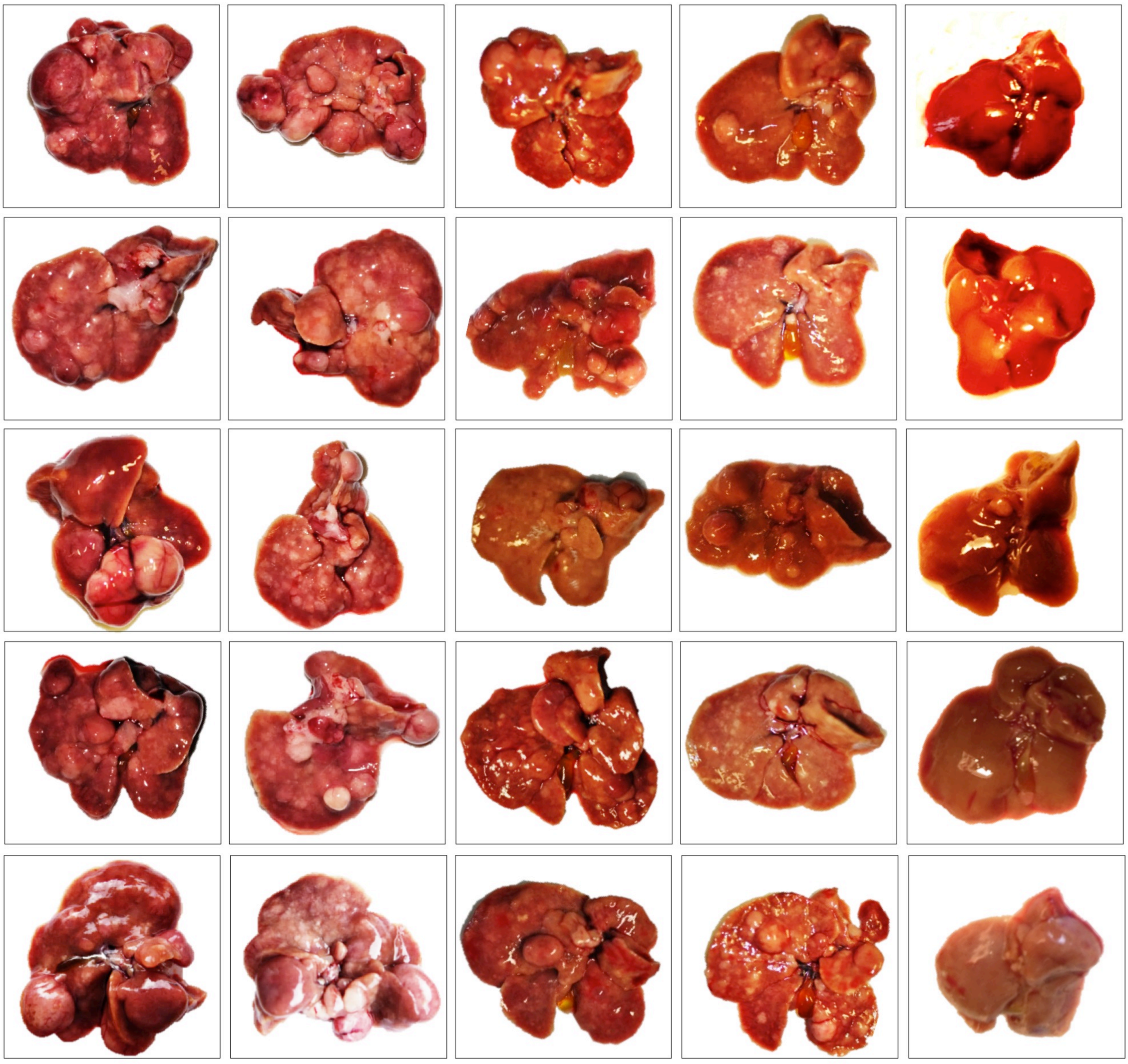

Figure S1

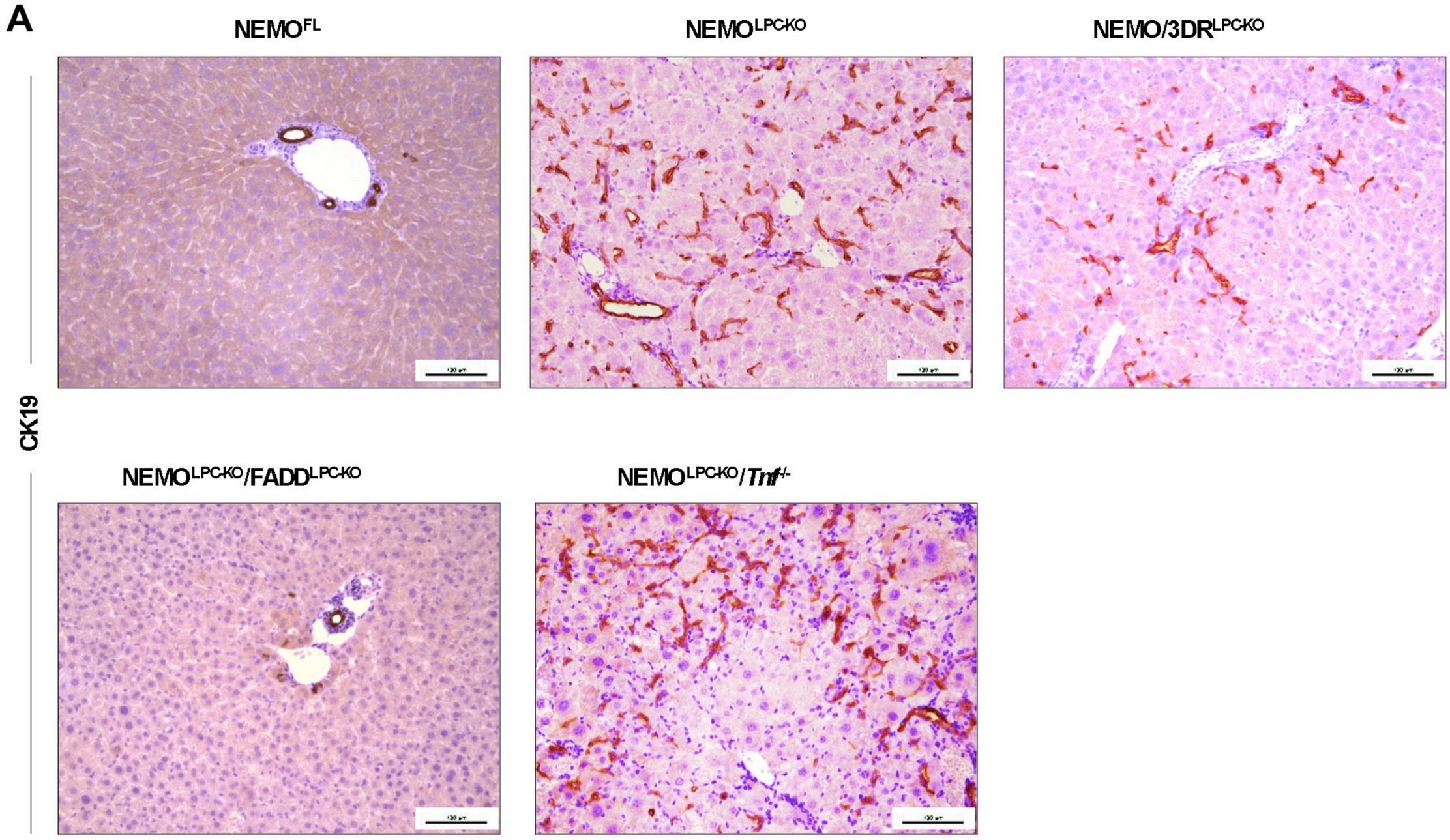
A
NEMO^FL
NEMO^LPCKO
NEMO/3DR^LPCKO
CK19
NEMO^LPC-KO/FADD^LPC-KO
NEMO^LPC-KO/Tnf^-/-
B
Mean CK19 stained foci per field
ns
**
Nemo^FL
NEMO^LPC-KO
NEMO^LPC-KO FADD^LPC-KO
NEMO3DR^LPC-KO
NEMO^LPC-KO TNF^-/-
C
Mean Cl-Caspase-3 +ve hepatocytes per field
ns
*
D
Mean ki-67 +ve hepatocytes per field
*
ns
***

Figure S2

A

NEMO^{FL}/PBS

NEMO^{LPC-KO}/PBS

NEMO^{LPC-KO}/AsGM1 Ab

Cleaved Casp-3

ki-67

CK19

B

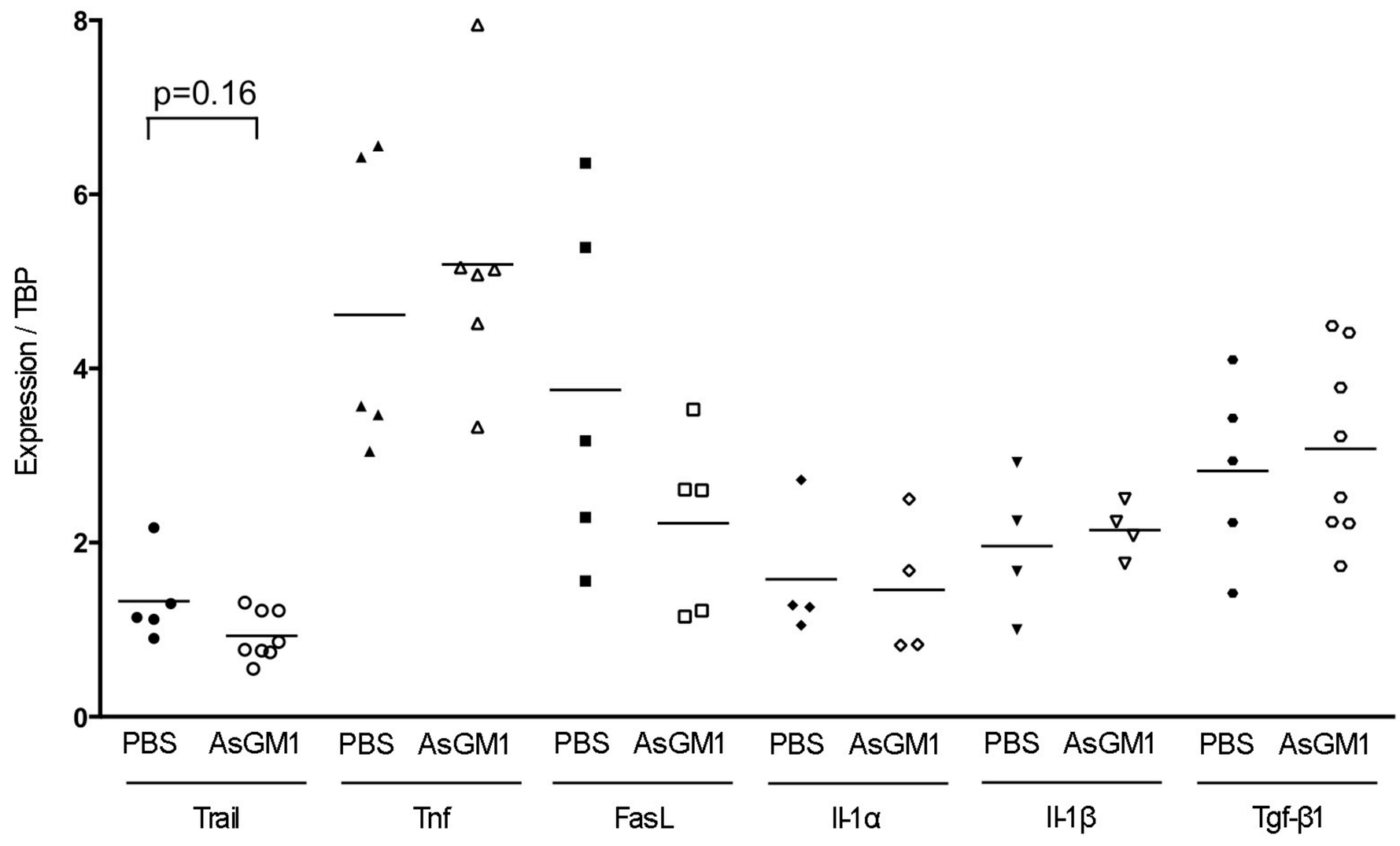

Figure S3