



Figure S7. CLOCK correlates positively with M2 microglia abundance in GBM.

(A) GSEA for M2 signature in tumor-associated microglia from brain tumors established by intracranial injection of DF1 cells expressing *Pdgfb* and *shTrp53* (31) compared to normal brain microglia. FDR, false discovery rate.

(B) Immunofluorescence for CX3CR1 (microglia marker) and CD206 (M2 marker) in human GBM samples. Scale bar, 100 μm .

(C) Immunofluorescence (*left panel*) and quantification (*right panel*) of CD206⁺CX3CR1⁺ cells in mouse tumors from *ishCLOCK* and *ishControl* GSC272 models. Scale bar, 100 μm ; n = 3 biological replicates; *** $P < 0.001$.

(D, E) CLOCK (**D**) and BMAL1 (**E**) expression is positively correlated with M2 microglia signature (31) in TCGA GBM patients.