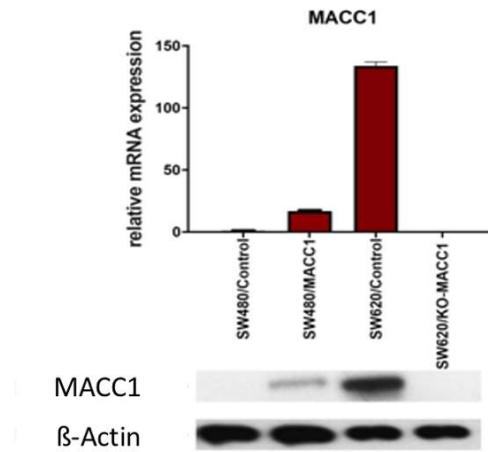


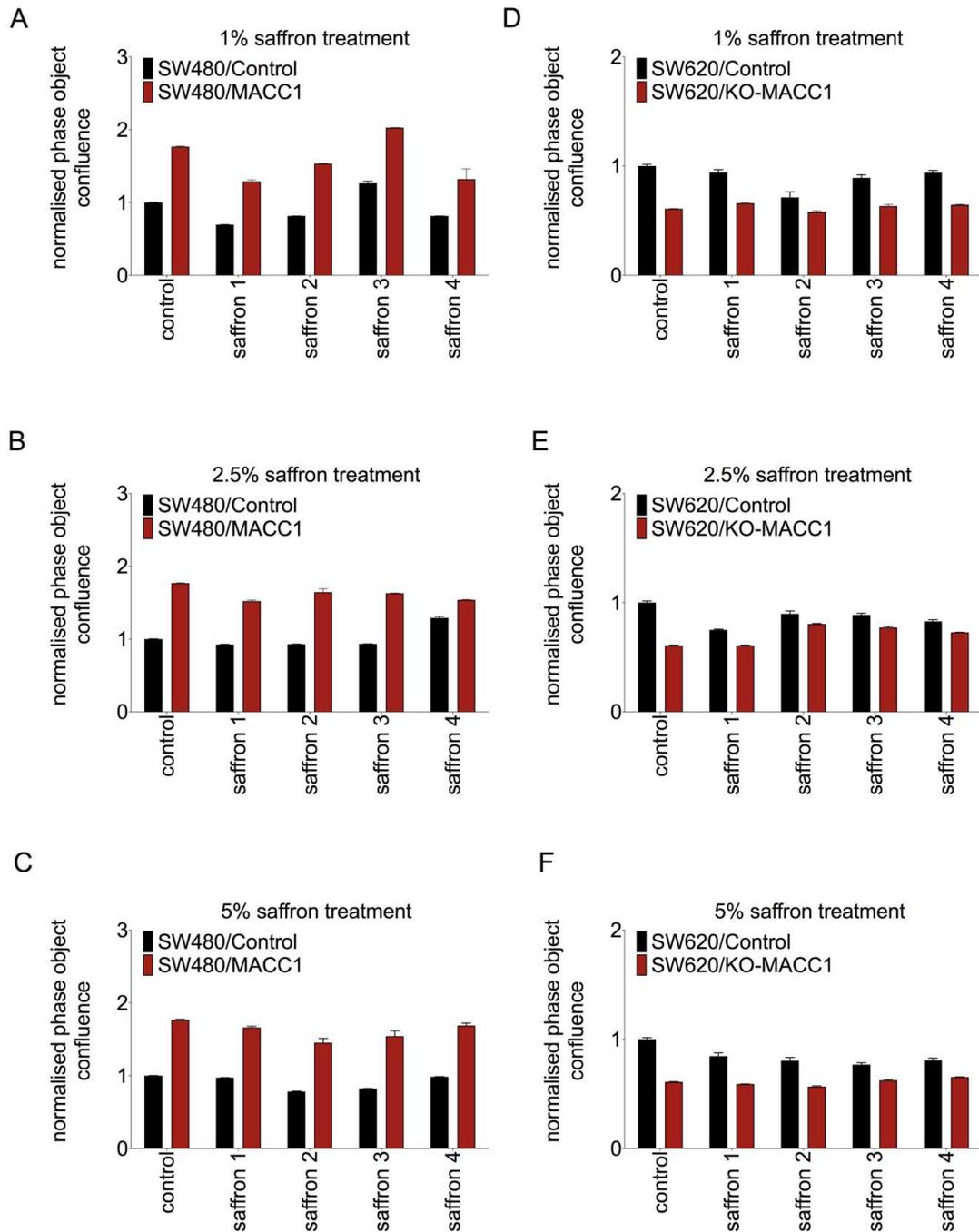
## Supplementary Materials



**Supplementary Figure S1.** MACC1 expression levels for the cell lines used in this study. Relative MACC1 expression levels were assessed by RT-qPCR and Western blot for SW480/Control, the MACC1 overexpressing cell line SW480/MACC1, SW620/Control and the MACC1 deficient cell line SW620/KO-MACC1.

**Supplementary Table S1.** Primers used for RT-qPCR.

Gene	Primer	Sequence
MACC1	Fwd	5`-TTC TTT TGA TTC CTC CGG TGA-3`
	Rev	5`-ACT CTG ATG GGC ATG TGC TG-3`
DCLK1	Fwd	5`-CAA CAT ACG TGG CTC CAG AA-3`
	Rev	5`-CGC TGA TCT ACA TCG ACC AA-3`
hG6PDH	Fwd	5`-ATC GAC CAC TAC CTG GGC AA-3`
	Rev	5`-TTC TGC ATC ACG TCC CGG A-3`



**Supplementary Figure S2.** Saffron treatment does not reduce the proliferation rate of the MACC1 expressing cells at low Saffron concentrations. CRC cells (A–F) were treated with 4 different saffron crudes with the concentrations of 1%, 2.5%, and 5% (SW480/control and SW480/MACC1 A–C, SW620/control and SW620/KO-MACC1 D–F). Independent of MACC1 level, no proliferation reduction has been observed at these low concentrations.