Supplementary Methods

Mice

The care and use of all mice in this study were in accordance with the UK Animals in Science Regulation Unit’s Code of Practice for the Housing and Care of Animals Bred, Supplied or Used for Scientific Purposes, the Animals (Scientific Procedures) Act 1986 Amendment Regulations 2012, and all procedures were performed under a UK Home Office Project Licence (80/2562), that was reviewed and approved by the Sanger Institute’s Animal Welfare and Ethical Review Body. Housing and husbandry conditions were as described previously, with the exceptions that a cage density of one to six mice per cage was used and mice were maintained on Mouse Breeders Diet (Laboratory Diets, 5021-3) throughout the study. Unless specified otherwise, all mice were used at 6-12 weeks of age.

Cell lines

The mouse melanoma B16-F10 cell line was purchased from ATCC (CRL-6475) and the highly metastatic mouse melanoma B16-BL6 cell line was purchased from the University of Texas, MD Anderson Cancer Center and authenticated by whole genome and transcriptome sequencing. The mouse Lewis lung carcinoma LL/2 cell line was purchased from ATCC (CRL-1642) and the other cell lines were obtained from the laboratories that generated them. Specifically, the metastatic mouse colorectal MC-38 cell line was a gift from L. Borsig (University of Zurich, Switzerland), the metastatic mouse mammary cancer EO771.LMB cell line was a gift from R. L. Anderson (Peter MacCallum Cancer Centre, Australia). None of the cell lines used appears in the International Cell Line Authentication Committee database. All cells were maintained in DMEM with 10% (v/v) fetal calf serum and 2 mM glutamine, 100 U/mL penicillin/streptomycin (with the addition of 20 mM HEPES for EO771.LMB cells) at 37 °C, 5% CO₂. All cell lines were screened for the presence of mycoplasma and mouse pathogens (at Charles River Laboratories, USA) before culturing and never cultured for more than five passages. The F10CS cells (B16-F10–mCherry cells stably expressing mCherry) were generated as previously described.

References

