

## Supplemental Materials and Methods

Supplementary Table 2: 7-color panel for immunofluorescence staining

Antibody	Description	Reference	Dilution	Staining localization
<b>ZEB1</b>		HPA02752 Sigma	1/100	Nuclear
<b>SOX10</b>	Melanoma cell marker	sc-365692 Santa Cruz	1/1000	Nuclear
<b>CD8</b>	CD8 <sup>+</sup> T Lymphocytes	M7103 DAKO	1/40	Membrane
<b>CD4</b>	CD4 <sup>+</sup> T Lymphocytes	104R-16 Sigma	1/30	Membrane
<b>PD-1</b>	Immune Checkpoint	Ab137132 Abcam	1/300	Membrane
<b>Ki67</b>	Proliferation marker	M7240 DAKO	1/100	Nuclear
<b>β-catenin</b>	Non-phospho β-catenin (active)	D13A1 Cell Signaling	1/1000	Nuclear cytoplasmic

Supplementary Table 3: 8-color panel for flow cytometry analysis

Marker	Fluo	Dilution	Reference	Company
<b>CD3</b>	BV650	1/200	564378	BD
<b>CD4</b>	AF 700	1/100	56-0042-82	eBioscience
<b>CD45</b>	APC-Cy7	1/400	557659	BD
<b>CD8</b>	BV711	1/100	100747	Biolegend
<b>FoxP3</b>	PE Cy7	1/200	25-5773-82	eBioscience
<b>Granzyme B</b>	APC	1/100	515406	Biolegend
<b>Ki67</b>	AF488	1/100	652417	Biolegend
<b>PD-1</b>	PE-Dazzle594	1/100	562523	BD

Marker	Fluo	Dilution	Reference	Company
<b>IA/IE</b>	BV711	1/200	107631	Biolegend
<b>CD11b</b>	BV650	1/100	563402	BD
	PerCP	1/200	101229	Biolegend
<b>CD11c</b>	PE Cy7	1/50	117318	Biolegend
<b>CD3 + CD19</b>	PE-Dazzle594	<b>1/200</b>	100348	Biolegend
		<b>1/200</b>	115554	Biolegend
<b>CD64</b>	PE	1/100	558455	BD
<b>CD45</b>	AF 700	1/400	103128	Biolegend
<b>F4/80</b>	BV450	1/100	BLE123132	Biolegend
<b>Zombie green</b>	FITC	1/400	423111	Biolegend

Supplementary Table 4: Immunoblot analyses

Protein	Reference	Dilution	Company
<b>ZEB1</b>	HPA027524	1/200	Sigma-Aldrich
<b>MITF</b>	MAB3747	1/500	Sigma-Aldrich
<b>PTEN</b>	138G6	1/1000	Cell Signaling
<b>GAPDH</b>		1/20 000	Millipore

**Supplementary Table 5: RT-Q-PCR primers**

<b>mRNA</b>	<b>Sequences</b>
<i>Zeb1</i>	F: 5'-GAG GTA AAG CGT TTA TAG CCT CTA TCA-3' R : 5'-AGG GCA CAC CAG AAG CCA G-3'
<i>Cxcl10</i>	F: 5'-CAT CCT GCT GGG TCT GAG TG-3' R: 5'-ATT CTC ACT GGC CCG TCA TC-3'
<i>Hprt</i>	5'-TCC TCC TCA GAC CGC TTT T-3' R : 5'-CCT GGT TCA TCA TCG CTA ATC-3'

**Supplementary Table 6: Chromatin immunoprecipitation ChIP-QPCR primers**

<b>Promoter</b>	<b>Sequences</b>
<i>Cxcl10</i>	F : 5' AGG AGC ACA AGA GGG GAG AG 3' R : 5' GGG AAG TCC CCT GTA AAC CG 3'
<i>Ccl4</i>	<i>F: 5' TTT CTC TTA CAC CTC CCG GC 3'</i> <i>R : 5' ACT TAC ACC ACA GCT GGC TT 3'</i>