

Supplemental information

**Glioblastomas acquire myeloid-affiliated
transcriptional programs via epigenetic
immunoediting to elicit immune evasion**

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Table S1. sgRNA & crRNA oligonucleotide sequences used for knockout gene targeting and reporter line creation, Related to STAR methods.

Gene	Species	Oligo Type	ID	Oligo sequence (5' to 3')
<i>Trp53</i>	<i>M. musculus</i>	sgRNA	Trp53_L	GCTGGCAGAATAGCTTATTG
<i>Trp53</i>	<i>M. musculus</i>	sgRNA	Trp53_R	GAGCGCAAAGAGAGGTACGC
<i>Pten</i>	<i>M. musculus</i>	sgRNA	Pten_L	GGTTTGATAAGTTCTAGCTG
<i>Pten</i>	<i>M. musculus</i>	sgRNA	Pten_R	GTAATACGTTCTTCATACC
<i>Nf1</i>	<i>M. musculus</i>	sgRNA	Nf1_L	TCATCATCACATCTTCGGAT
<i>Nf1</i>	<i>M. musculus</i>	sgRNA	Nf1_R	TCGGCTGCTTTGGAACAATC
<i>Irf8</i>	<i>M. musculus</i>	sgRNA	Irf8_L	CCCGCCGTTCCGGTCACACA
<i>Irf8</i>	<i>M. musculus</i>	sgRNA	Irf8_R	CGGGGACAATTCGGTAAACT
<i>Irf8</i>	<i>M. musculus</i>	sgRNA	Irf8_E6_L	CCGTAGTAGAAGCTGATGAC
<i>Irf8</i>	<i>M. musculus</i>	sgRNA	Irf8_E6_R	GCAGTAGCACGCCACGTTCC
<i>Irf8</i>	<i>M. musculus</i>	crRNA	Irf8-p2A-mCherry Reporter	GAAGTGCCATTCCGCCTGACCTGATTGGAGGACCTG TGGTGGAGGATGGCCCCAGTTCCCCTCCACCTTGAT TCTGACTTTGCACATGGCCCTTGCAGGTAGAGCAGCT GTATGCCAGGCAGCTGGTGGAGGAAGCGGGCAAGA GCTGCGGTGCTGGCTCCCTGATGCCAGCCCTGGAGG AGCCCCAGCCGGACCAGGCTTCCGCATGTTCCGG ATATCTGTACCTCACACCAGAGACCCTTTTTTAGAGAA AATCAACAGATCACCGTCGGATCCGGCGCAACAAACT TCTCTCTGCTGAAACAAGCCGGAGATGTCAAGAGAA TCCTGGACCGATGGTGAGCAAGGGCGAGGAGGATAA CATGGCCATCATCAAGGAGTTCATGCGCTTCAAGGTG CACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAG ATCGAGGGCGAGGGCGAGGGCCGCCCTACGAGGG CACCCAGACCGCCAAGCTGAAGGTGACCAAGGGTGG CCCCCTGCCCTTCGCCTGGGACATCCTGTCCCCTCA GTTTCATGTACGGCTCCAAGGCCTACGTGAAGCACCC CGCCGACATCCCCGACTACTTGAAGCTGTCTTCCCC GAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAG GACGGCGGCGTGGTGACCGTGACCCAGGACTCCTC CCTGCAGGACGGCGAGTTCATCTACAAGGTGAAGCT GCGCGGCACCAACTTCCCCTCCGACGGCCCCGTAAT GCAGAAGAAGACCATGGGCTGGGAGGCCTCCTCCGA GCGGATGTACCCCGAGGACGGCGCCCTGAAGGGCG AGATCAAGCAGAGGCTGAAGCTGAAGGACGGCGGCC ACTACGACGCTGAGGTCAAGACCACCTACAAGGCCA AGAAGCCCCTGCAGCTGCCCGGCGCCTACAACGTCA ACATCAAGTTGGACATCACCTCCCACAACGAGGACTA CACCATCGTGGAACAGTACGAACGCGCCGAGGGCCG CCACTCCACCGCGGCATGGACGAGCTGTACAAGTA AGCCTCAGTCCGGCCAGCCCACCTCGCCTGAGCTCA AGCTTCAAGAGTCTGTGACTAAGAGAATTCCGAAAGG ATGTGGAGCCCTCTGACTGGGGTGGGCGGGTGTCTC CCAAGGGGCTCCGGAAGCCCACAGAGGGATGCGC TCCTGCTCAGGCAGGTGTCAGAAGCTTGCAGGGGCT GTGGCCGCAACCTGTGATTAAGCATTCTTTCTCTGC GTTTCCCCCTTCACTAATGGCTGGCCTTAGGCTA GGTGGAGGCTCAGTG

Table S5. Primer sequences used for plasmid construction, *Related to STAR Methods.*

Primer Name	Sequence
hEGFRvIII_Fwd	ATCACAAAGTTTGTACAATGCGACCCTCCGGGACGGCC
hEGFRvIII_Rev	CACCACTTTGTACATCATGCTCCAATAAATTCCT
hPDGFRa_Fwd	GGGACAAGTTTGTACAAAAAAGCAGGCTTCACCATGGGGACTTCCCATCCGGCG
hPDGFRa_Rev	GGGACCACTTTGTACAAGAAAGCTGGGTCTTACAGGAAGCTGTCTTCCACCAGG
3FLAG-LUC-2A-GFP Fwd	GGGACAAGTTTGTACAAAAAAGCAGGCTTCGCCACCATGGACTACAAAGA
3FLAG-LUC-2A-GFP Rev	GGGACCACTTTGTACAAGAAAGCTGGGTTTTACTTGTACAGCTCGTCCA

Table S6. Primer sequences used for PCR genotyping, *Related to STAR Methods.*

Name	Sequence
Trp53_Fwd	ACAAAAACAGCCCAGTGGAG
Trp53_Rev	AAAGACCTGGCAACCTGCTA
Pten_BigDel_Fwd	TGGGATTATCTTTTTGCAACAGT
Pten_BigDel_Rev	GGCCTTGTCTTTGTTTGCTT
Pten_gRNA L_Fwd	TGGGATTATCTTTTTGCAACAGT
Pten_gRNA L_Rev	TACACCAGTCCGTCCTTTC
Pten_gRNA R_Fwd	TCCATTTCTTTTCTGTTTAGGACA
Pten_gRNA R_Rev	CTTGTCATTATCTGCACGCTCT
Nf1_BigDel_Fwd	CACACGTGCACTAGGTTTGT
Nf1_BigDel_Rev	ATGCATGTGAATCTGCGCTT
Nf1_gRNA L_Fwd	CACTCTGTTTGATTCCCGGC
Nf1_gRNA L_Rev	GGACAGACCGGAGTAAACCA
Nf1_gRNA R_Fwd	CCCCTCCTTTGCAATCACAG
Nf1_gRNA R_Rev	CAGAGCTCACGTAGACCAGT
Irf8_gRNA_L_Fwd	TGAAAGATTTGCTTTCTTTCCAAG
Irf8_gRNA_L_Rev	GTACGCAGGAGGCTTTAC
Irf8_E6_gRNA_L_Fw	CCTGTGCTCTTGGCTCCCACAG
Irf8_E6_gRNA_R_Rev	AGCGAGGTGACTTGGTACTGAC

Table S7. qRT PCR TaqMan assays, *Related to STAR Methods.*

Gene	Source	Identifier
Gapdh	Thermo Fisher	Mm99999915_g1
H2-Ab1	Thermo Fisher	Mm00439216_m1
H2-Q7	Thermo Fisher	Mm00843895_s1
H2-Q10	Thermo Fisher	Mm01275264_g1
Ifi47	Thermo Fisher	Mm01950217_u1
Ifih1	Thermo Fisher	Mm00459183_m1
Irf8	Thermo Fisher	Mm00492567_m1