



SUPPLEMENTAL MATERIAL

Masuda et al., <http://www.jem.org/cgi/content/full/jem.20151289/DC1>


Mus musculus: NM_213659

902 


ccccttcca tgtcaaagg ccctctgtcc tgcttctatt gggaatccct gcctcaggac
 cttgtgtcga gagggattgc cttacagggt tgaacctgcc tcagactaca ggcctcagc
 aaagctcagg gagtatggtc cttattctat gcgcttgggt cccagggata tctgtaacca
 cagggcaaaa gctgacatat actccaggtc tgccctcata tgagtgggtg attcttggcc
 tcccctgaga ctggcaactg tctgctcccc attgggtctc ccaggtgagg tggaacacag
 ttctgcacc tactgtggcc tccatgtcgc ttgcttgctt cgctcactca gcttactgga
 aactgagtg ttcaaggcaa gcctttctg acagaggcat ggctagattc agtgactcaa
 agccacctca ttcagctgat cagtgtctgt ggaattgttt ccttccagtt aaccagtgct
 tgaattaagg gcagtgagga cattgtctcc aagacgaact gcttgccttg accaccccag

1449   1458


ccttctgctt cgagacagtt actgctctcc **cacccatca atgttcttta gttatacaat**
aagctgaact tataaactga aagggtatt aggaaggcaa ggcttgggca ttttatggc
ttcaatcct ggggaccag gaacaagggt agggctctc tggggctggt gttgtacctc
aggggctctg ggaagtctgt gtgcttgggt taaccacca tagtgagccc ctggaactgc

1698 


ccacttccc tctcctggc cccactggc cccagcctca cccagcctgc agactgctta

1773 

gcctttcagt **gcagtggctt gtgtctggc cactgcactc** agattccaat gtaaacttc

 1792

tagtgtaaaa **atttatatta** ttgtgggttg tttttgtg ttgttggtt ttgtatattg
 ctgtaactac ttaactcc agaaataaag attatatagg aactgctc 

1895 

 The responsive elements for Arid5a and Reg-1

 mouse stem-loop

attta : AUUUA pentamar

Figure S1. Sequence of the mouse STAT3 3'UTR (902–1895). The compartment of the STAT3 3'UTR (902–1458), (1449–1792), (1698–1895), or (1773–1895) was indicated at the arrow in green, red, blue, or brown, respectively.

Table S1. **Comparison of STAT3- or STAT1-controlling gene expression between Arid5a-deficient T cells and WT T cells under Th17 cell conditions**

Gene symbol	Gene expression (relative)
KO/WT	
<i>Stat3</i>	-3.3
<i>Rora</i>	-2.6
<i>Rorc</i>	-2.3
<i>Batf</i>	-2.3
<i>Ifny</i>	1.2
<i>Icos</i>	1.2
<i>Tbx21</i>	1.3
<i>Stat1</i>	1.3
<i>Irf1</i>	1.4
<i>Il10</i>	3.1
<i>Maf</i>	3.9

Gene expression analysis of CD4⁺ Arid5a-deficient T cells or WT T cells differentiated for 48 h under Th17-polarizing conditions. Level of gene expression in Arid5a-deficient T cells was compared to that in WT T cells. Data are representative of three independent experiments. If KO/WT < 1, the value was shown in (WT/KO).