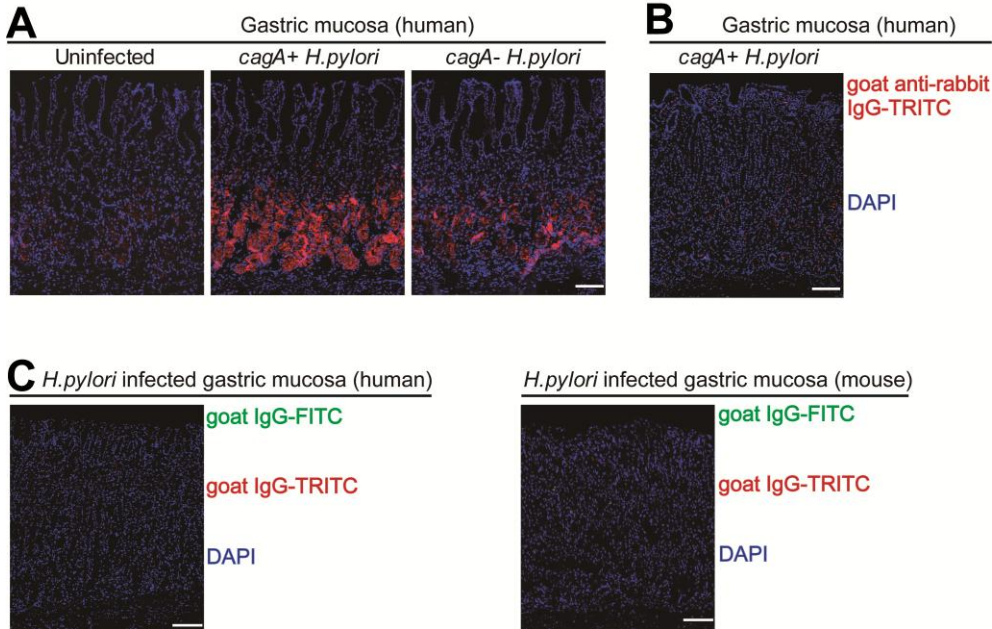
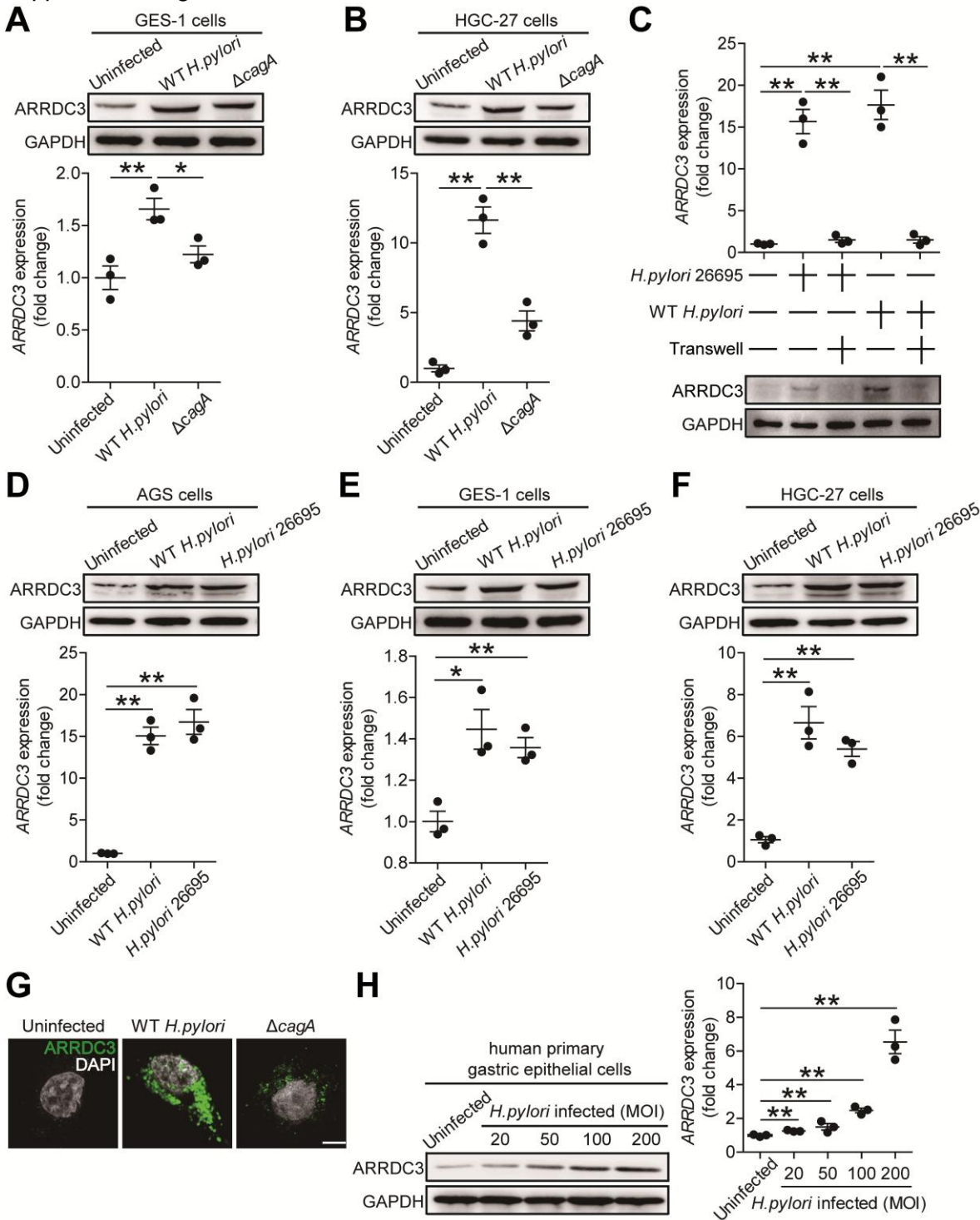


1 Supplemental Figure 1



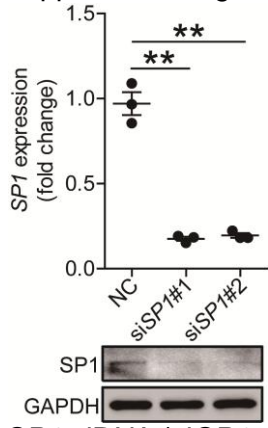
2  
3 ARRDC3 is increased in gastric mucosa of *H. pylori*-infected patients and mice. (A) ARRDC3 expression in  
4 gastric mucosa of *cagA*<sup>+</sup> *H. pylori*-infected, *cagA*<sup>-</sup> *H. pylori*-infected, and uninfected donors was analyzed by  
5 immunofluorescence staining. Scale bars: 100 microns. (B and C) Representative immunofluorescence  
6 staining images showing only secondary antibody staining controls in gastric mucosa of *H. pylori*-infected  
7 patients or *H. pylori*-infected mice. Scale bars: 100 microns.  
8

1 Supplemental Figure 2



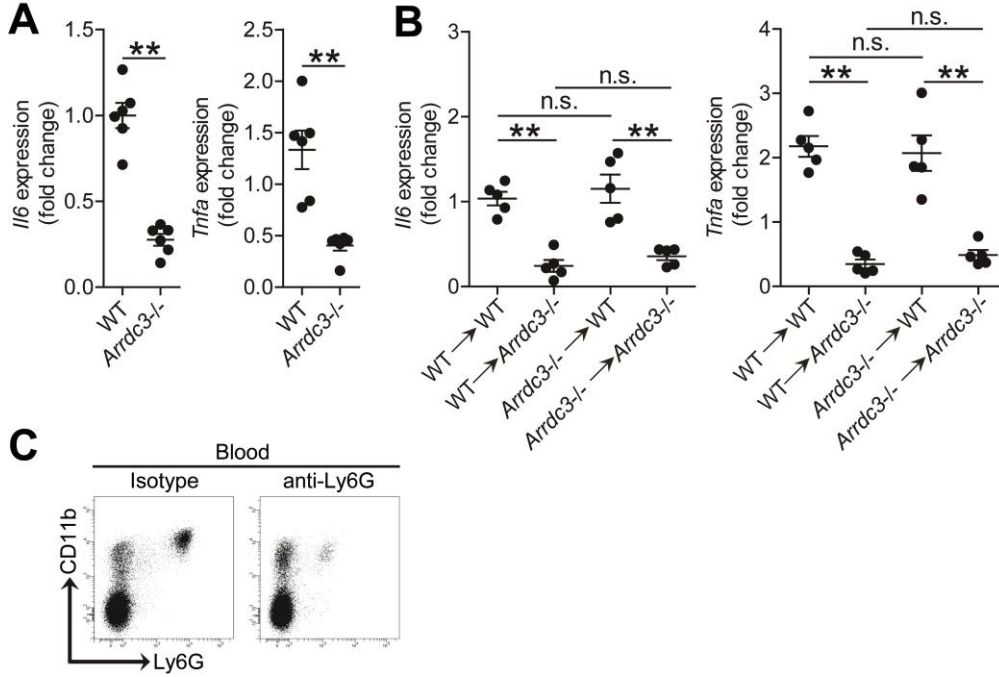
2  
3 *H. pylori* stimulates gastric epithelial cells express ARRDC3. (A and B) ARRDC3 expression and ARRDC3  
4 protein in WT *H. pylori*-infected,  $\Delta$ *cagA*-infected, and uninfected GES-1 cells (A) and HGC-27 cells (B)  
5 (MOI=100, 24 h) was analyzed by real-time PCR and western blot (n=3). (C) ARRDC3 expression and  
6 ARRDC3 protein in AGS cells infected with WT *H. pylori* or *H. pylori* 26695 (MOI=100, 24 h) was assessed by  
7 transwell assay and analyzed by real-time PCR and western blot (n=3) as described in Materials and Methods.  
8 (D-F) ARRDC3 expression and ARRDC3 protein in WT *H. pylori*-infected, *H. pylori* 26695-infected, and  
9 uninfected AGS cells (D), GES-1 cells (E) and HGC-27 cells (F) (MOI=100, 24 h) was analyzed by real-time  
10 PCR and western blot (n=3). (G) Representative immunofluorescence staining images showing ARRDC3  
11 expression (green) in uninfected, WT *H. pylori*-infected and  $\Delta$ *cagA*-infected AGS cells (MOI=100, 6 h). Scale  
12 bars: 1 micron. (H) ARRDC3 expression and ARRDC3 protein in WT *H. pylori*-infected and uninfected human  
13 primary gastric epithelial cells with different MOI (24 h) were analyzed by real-time PCR and western blot  
14 (n=3). Data are representative of 2 independent experiments. Data are mean  $\pm$  SEM and analyzed by 1-way  
15 ANOVA. Western blot results are run in parallel and contemporaneously. \* $P$ <0.05, \*\* $P$ <0.01 for groups  
16 connected by horizontal lines.

1 Supplemental Figure 3



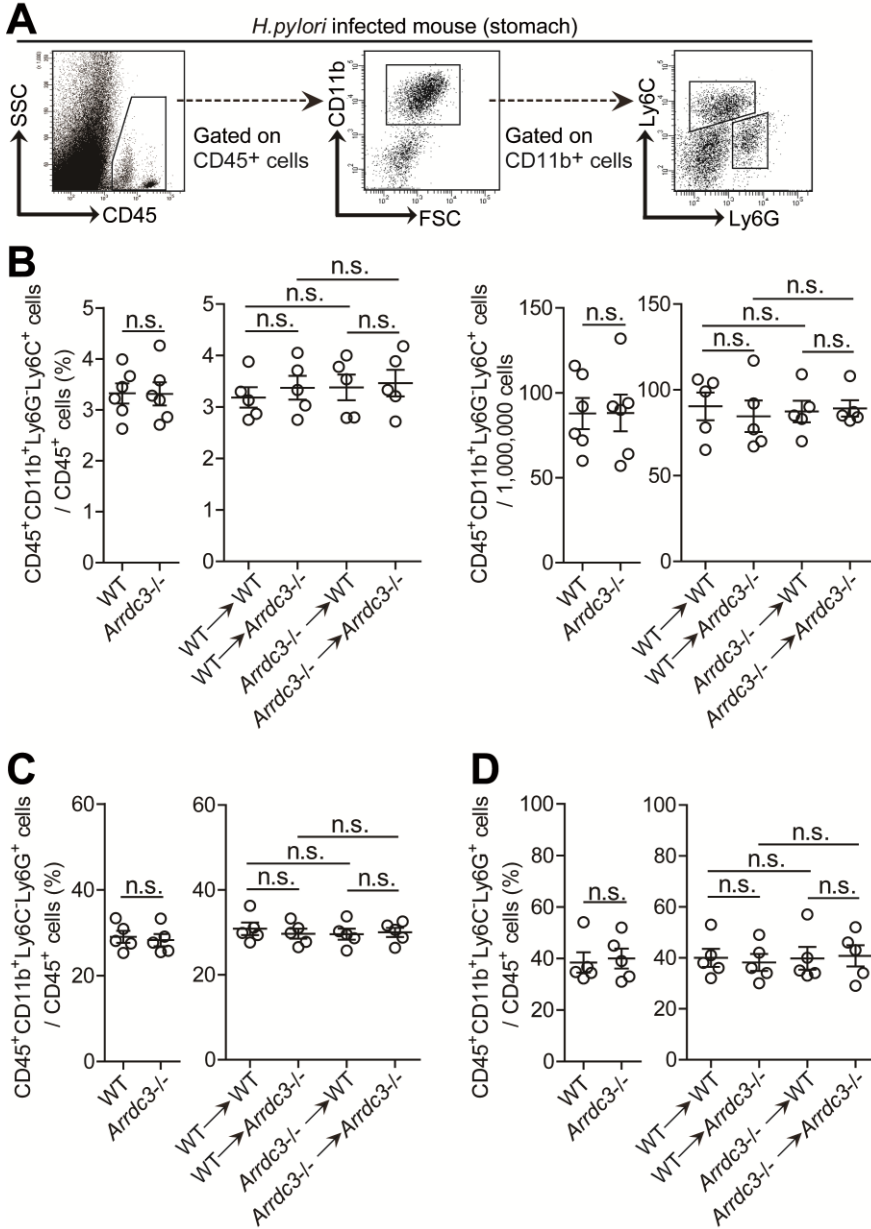
2  
3 *SP1* siRNA (siSP1#1, siSP1#2) or non-specific control siRNA (NC) pre-treated AGS cells were infected with  
4 WT *H. pylori* (MOI=100) for 24 h. *SP1* expression and SP1 protein were analyzed by real-time PCR and  
5 western blot (n=3). Data are representative of 2 independent experiments. Data are mean  $\pm$  SEM and  
6 analyzed by 1-way ANOVA. Western blot results are run in parallel and contemporaneously. \* $P$ <0.05,  
7 \*\* $P$ <0.01 for groups connected by horizontal lines.

1 Supplemental Figure 4



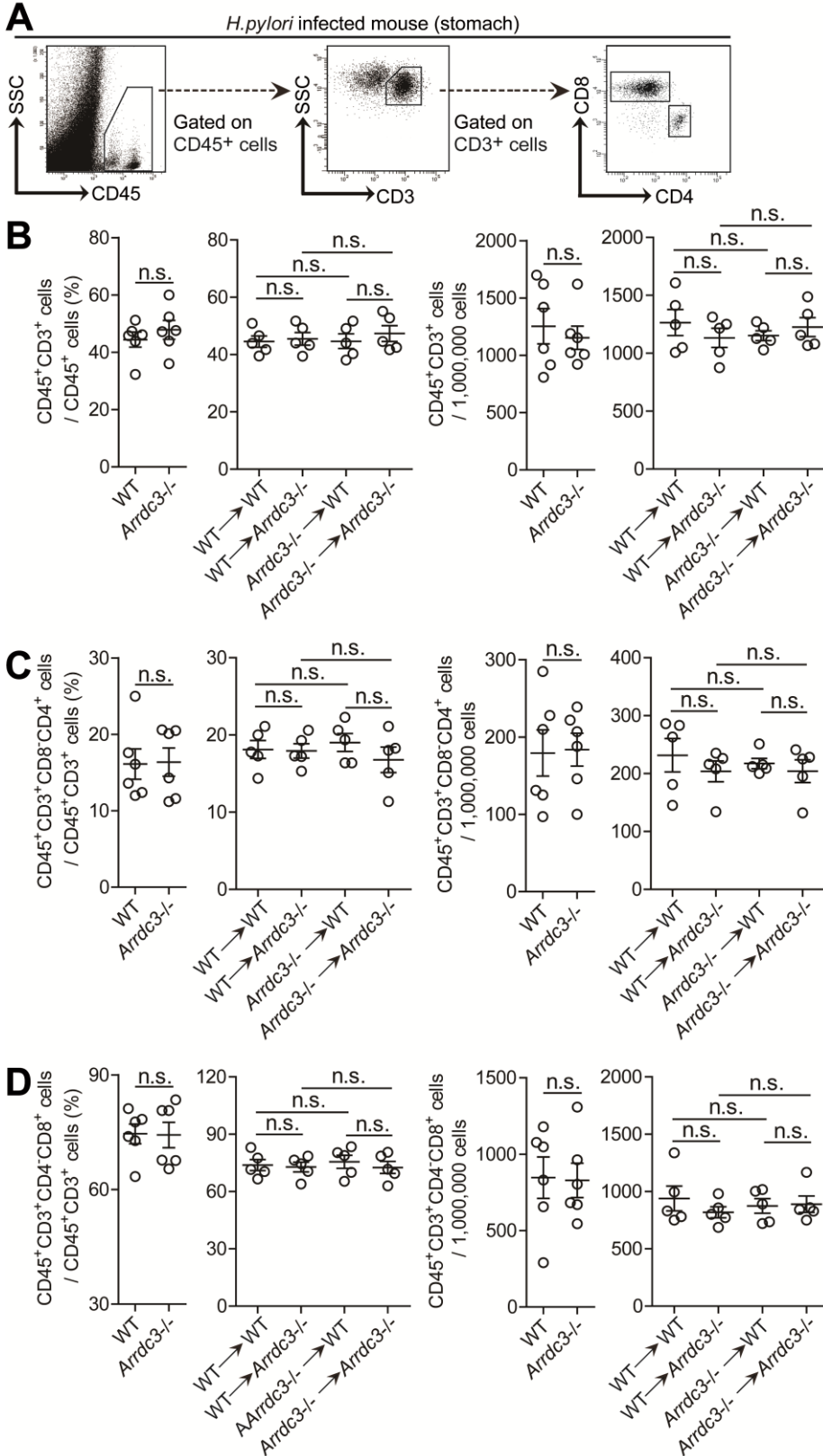
2  
3 ARRDC3 promotes *Il6* and *Tnfa* expression during *H. pylori* infection. (A and B) *Il6* and *Tnfa* expression in  
4 gastric mucosa of WT *H. pylori*-infected WT and *Arrdc3*<sup>-/-</sup> mice (n=6) (A), or in gastric mucosa of WT *H.*  
5 *pylori*-infected BM chimera mice (n=5) (B) on day 28 p.i. was compared. (C) Neutrophil depletion was  
6 confirmed by flow cytometric analysis of whole blood. Data are representative of 2 independent experiments.  
7 Data are mean ± SEM and analyzed by Student *t* test, Mann-Whitney U test and 1-way ANOVA. \**P*<0.05,  
8 \*\**P*<0.01, n.s. *P*>0.05 for groups connected by horizontal lines.  
9

1 Supplemental Figure 5



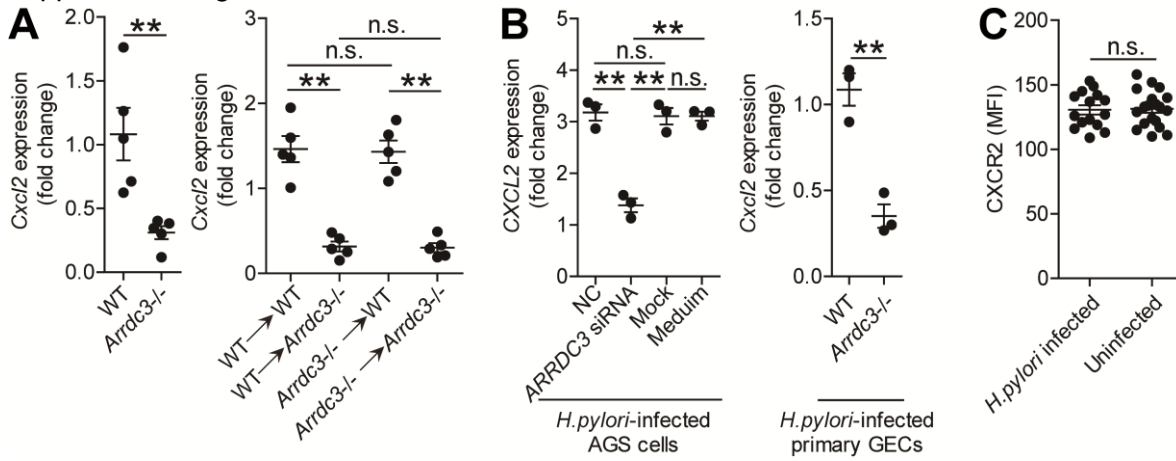
2  
3 ARRDC3 has no effect on monocyte accumulation during *H. pylori* infection. (A) Dot plots of  
4 CD45<sup>+</sup>CD11b<sup>+</sup>Ly6C<sup>+</sup>Ly6G<sup>+</sup> neutrophils and CD45<sup>+</sup>CD11b<sup>+</sup>Ly6G<sup>+</sup>Ly6C<sup>+</sup> monocytes by gating on CD45<sup>+</sup> cells  
5 and following CD11b<sup>+</sup> cells in gastric mucosa of WT *H. pylori*-infected mice on day 28 p.i.. (B)  
6 CD45<sup>+</sup>CD11b<sup>+</sup>Ly6G<sup>+</sup>Ly6C<sup>+</sup> monocyte level in gastric mucosa of WT *H. pylori*-infected WT and *Arrdc3*<sup>-/-</sup> mice  
7 (n=6), or in gastric mucosa of WT *H. pylori*-infected BM chimera mice (n=5) on day 28 p.i. was compared. (C  
8 and D) CD45<sup>+</sup>CD11b<sup>+</sup>Ly6C<sup>+</sup>Ly6G<sup>+</sup> neutrophil level in blood (C) or bone marrow (D) of WT *H. pylori*-infected WT  
9 and *Arrdc3*<sup>-/-</sup> mice or of WT *H. pylori*-infected BM chimera mice on day 28 p.i. was compared (n=5). Data are  
10 representative of 2 independent experiments. Data are mean ± SEM and analyzed by Student *t* test,  
11 Mann-Whitney U test and 1-way ANOVA. n.s. *P*>0.05 for groups connected by horizontal lines.

1 Supplemental Figure 6



2  
3 ARRDC3 has no effect on T cell accumulation during *H. pylori* infection. (A) Dot plots of CD45<sup>+</sup>CD3<sup>+</sup> T cells,  
4 CD45<sup>+</sup>CD3<sup>+</sup>CD8<sup>+</sup>CD4<sup>+</sup> T cells and CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD8<sup>+</sup> T cells by gating on CD45<sup>+</sup> cells and following  
5 CD3<sup>+</sup> cells in gastric mucosa of WT *H. pylori*-infected mice on day 28 p.i.. (B-D) CD45<sup>+</sup>CD3<sup>+</sup> T cell level (B),  
6 CD45<sup>+</sup>CD3<sup>+</sup>CD8<sup>+</sup>CD4<sup>+</sup> T cell level (C) and CD45<sup>+</sup>CD3<sup>+</sup>CD4<sup>+</sup>CD8<sup>+</sup> T cell level (D) in gastric mucosa of WT *H.*  
7 *pylori*-infected WT and *Arrdc3*<sup>-/-</sup> mice (n=6), or in gastric mucosa of WT *H. pylori*-infected BM chimera mice  
8 (n=5) on day 28 p.i. was compared. Data are representative of 2 independent experiments. Data are mean ±  
9 SEM and analyzed by Student *t* test, Mann-Whitney U test and 1-way ANOVA. n.s. *P*>0.05 for groups  
10 connected by horizontal lines.

1 Supplemental Figure 7



2  
3 ARRDC3 promotes *CXCL2/Cxcl2* expression in vivo and in vitro during *H. pylori* infection. (A) *Cxcl2*  
4 expression in gastric mucosa of WT *H. pylori*-infected WT and *Arrdc3*<sup>-/-</sup> mice, or in gastric mucosa of WT *H.*  
5 *pylori*-infected BM chimera mice (n=5) on day 28 p.i. was compared. (B) *ARRDC3* siRNA, non-specific control  
6 siRNA (NC), or lipo3000 only (Mock) pre-treated AGS cells or AGS cells without treatment (medium), and  
7 primary gastric epithelial cells (GECs) from uninfected WT and *Arrdc3*<sup>-/-</sup> mice were infected with WT *H. pylori*  
8 (MOI=100) for 24 h. *CXCL2/Cxcl2* expression was measured in cells by real-time PCR (n=3). (C) *CXCR2*  
9 expression on human CD45<sup>+</sup>CD11b<sup>+</sup>CD14<sup>-</sup>CD66b<sup>+</sup> neutrophils in blood of *H. pylori*-infected patients (n=15) or  
10 uninfected donors (n=19) was compared. Data are representative of 2 independent experiments. Data are  
11 mean ± SEM and analyzed by Student *t* test, Mann-Whitney U test and 1-way ANOVA. \*\**P*<0.01, n.s. *P*> 0.05  
12 for groups connected by horizontal lines. MFI, Median Fluorescence Intensity.

1 Supplemental Table 1. Clinical characteristics of patients

Variables	<i>H. pylori</i> -infected	Uninfected
Age (median, range)	(41 year, 22–76 years)	(39 year, 24–65 years)
Sex (male/female)	49/21	15/12

2 Exclusion criteria were: previous treatment for *H. pylori* infection, use of inhibitors of acid secretion and/or  
3 antibiotics during the 2 months before the study, use of anticoagulant drugs in the last week, gastrointestinal  
4 malignancy, severe concomitant cardiovascular, respiratory or endocrine diseases, clinically significant renal or  
5 hepatic disease, haematological disorders, previous gastro-oesophageal surgery, history of allergy to any of the  
6 drug used in the study, pregnancy or lactation, alcohol abuse, drug addiction, severe neurological or psychiatric  
7 disorders, and long-term use of corticosteroids or anti-inflammatory drugs.



## 1 Supplemental Table 2. Antibodies and other reagents

Antibodies and reagents	Manufacturers
<b>Antibodies for flow cytometry</b>	
anti-mouse CD45-PE-Cy7(stock no. 103113)	Biologend
anti-mouse CD11b-PerCP-Cy5.5(stock no. 101227)	Biologend
anti-mouse Ly6G-FITC(stock no. 127605)	Biologend
anti-mouse Ly6C-PE(stock no. 128007)	Biologend
anti-mouse CD3-APC(stock no. 100235)	Biologend
anti-mouse CD8-PerCP-Cy5.5(stock no. 100733)	Biologend
anti-mouse CD4-PE(stock no. 100407)	Biologend
anti-mouse CXCR2-APC(stock no. 149311)	Biologend
anti-human CD45-PE-Cy7(stock no. 368531)	Biologend
anti-human CD11b-PerCP-Cy5.5(stock no. 101227)	Biologend
anti-human CD14-PE(stock no. 367103)	Biologend
anti-human CD66b-FITC(stock no. 305103)	Biologend
anti-human CXCR2-APC(stock no. 320710)	Biologend
<b>Antibodies for immunohistochemical staining</b>	
rabbit anti-human/mouse ARRDC3(stock no. ab64817)	Abcam
horseradish peroxidase anti-rabbit IgG(stock no. ZDR-5307)	Zhongshan Biotechnology
<b>Antibodies for immunofluorescence</b>	
rabbit anti-human/mouse ARRDC3(stock no. ab64817)	Abcam
mouse anti-human/mouse CD326 (EpCAM)(stock no. 323/A3)	Invitrogen
mouse anti-human/mouse H <sup>+</sup> /K <sup>+</sup> ATPase(stock no. ab2866)	Abcam
rabbit anti-human/mouse pepsinogen II(stock no. ab180709)	Abcam
mouse anti-human/mouse PAR1(stock no. 611522)	BD
mouse anti-human PAR1(stock no. ab233741)	Abcam
LysoTracker™ Deep Red	Invitrogen
goat anti-rabbit-TRITC(stock no. ZF-0316)	Zhongshan Biotechnology
goat anti-rabbit-FITC(stock no. ZF-0311)	Zhongshan Biotechnology
goat anti-mouse-TRITC(stock no. ZF-0313)	Zhongshan Biotechnology
goat anti-mouse-FITC(stock no. ZF-0312)	Zhongshan Biotechnology
<b>Antibodies for neutralizing and blocking</b>	
anti-human CXCL2 (Mouse IgG1)(stock no. ab89324)	Abcam
Mouse IgG1 Isotype Control( stock no. ab81216)	Abcam
anti-human CXCR2 (Mouse IgG1)(stock no. MAB331)	R&D Systems
Mouse IgG2a Isotype Control(stock no. MAB003)	R&D Systems
anti-mouse CXCL2 (Rat IgG2b)(stock no. MAB452)	R&D Systems

Rat IgG2b Isotype Control(stock no. MAB0061)	R&D Systems
anti-mouse CXCR2 (Rat IgG2a)(stock no. MAB2164)	R&D Systems
Rat IgG2a Isotype Control(stock no. MAB006)	R&D Systems
anti-mouse Ly6G (Rat IgG2a)(stock no. 127632)	Biologend
Rat IgG2a Isotype Control(stock no. 402301)	Biologend
Antibodies for western blot	
rabbit anti-human/mouseARRDC3(stock no. ab64817)	Abcam
rabbit anti-human ERK1/2(stock no. 4695)	Cell signaling technology
rabbit anti-human p-ERK1/2(stock no. 4370)	Cell signaling technology
rabbit anti-human AKT(stock no. 4685)	Cell signaling technology
rabbit anti-human p-AKT(stock no. 4060)	Cell signaling technology
rabbit anti-human AKT(stock no. ab214167)	Abcam
rabbit anti-human p-AKT(stock no. ab251150)	Abcam
rabbit anti-human JNK(stock no. ab225572)	Abcam
rabbit anti-human p-JNK(stock no. ab239886)	Abcam
rabbit anti-human/mouse PAR1(stock no. ab32611)	Abcam
rabbit anti-human/mouse GAPDH(stock no. RM2002)	Beijing Ray Antibody Biotech
rabbit anti-human/mouse GAPDH(stock no. ab199554)	Abcam
rabbit anti-human/mouse GAPDH(stock no. ab186930)	Abcam
Antibodies for co-immunoprecipitation	
rabbit anti-human ARRDC3(stock no. ab64817)	Abcam
rabbit IgG(stock no. ab172730)	Abcam
mouse anti-human PAR1(stock no. ab233741)	Abcam
ELISA kits	
human CXCL2	Abcam
mouse CXCL2	R&D Systems
mouse IL-6	Abcam
mouse TNF- $\alpha$	Abcam
Reagents for signaling pathways inhibition	
MEK-1 and MEK-2 inhibitorU0126	Merck Millipore
IkBainhibitor BAY 11-7082	Merck Millipore
JNK inhibitor SP600125	Merck Millipore
MAPK inhibitor SB202190	Merck Millipore
PI3K-AKT inhibitor Wortmannin	Merck Millipore
Human CD326 microbeads	MiltenyiBiotec
Mouse CD326 microbeads	MiltenyiBiotec
5- $\mu$ m pore size Transwells	Corning

0.4- $\mu$ m pore size Transwells	Corning
Collagenase IV	Gibco
DNase I	Sigma-Aldrich
DMSO	Sigma-Aldrich
Bafilomycin A1	Sigma-Aldrich
Protein Extraction Reagent	Pierce
SuperSignal® West Dura Extended Duration Substrate kit	Thermo
Fetal bovine serum (FBS)	Invitrogen
Penicillin/Streptomycin	Gibco
RPMI-1640	Hyclone
DMEM/F12 (1:1)	Hyclone
Ficoll-Paque Plus	GE Healthcare
lyses solution	TIANGEN
TRIzol reagent	Invitrogen
Lipofectamine™ 3000 Transfection Reagent	Invitrogen
Lipofectamine™ 2000 Transfection Reagent	Invitrogen
Lipofectamine™ RNAiMAX Transfection Reagent	Invitrogen
QIAamp DNA Mini Kit	QIAGEN
PrimeScript™ RT reagent Kit	TaKaRa
Real-time PCR Master Mix	Toyobo
pGL3-basic vector	Promega
Dual-Luciferase Reporter assay Kit	Promega
Pierce™ Classic Magnetic IP/Co-IP Kit	R&D Systems
Protease inhibitor	Thermo Scientific
Recombinant human CXCL2	Roche
Recombinant mouse CXCL2	R&D Systems

- 
- 1 APC-Cy7, allophycocyanin-cyanin 7; PE-Cy7, phycoerythrin-cyanin 7; FITC, Fluorescein isothiocyanate; PE,
  - 2 phycoerythrin; PerCP-Cy5.5, peridinchlorophyl protein-cyanin 5.5; APC, allophycocyanin; IL, interleukin.

## 1 SupplementalTable 3.Primer and probe sequences for real-time PCR analysis

Gene	Primer or probe	Sequence 5'→3'
<i>H. pylori</i> 16s rDNA	forward	TTTGTTAGAGAAGATAATGACGGTATCTAAC
	reverse	CATAGGATTTACACCTGACTGACTATC
	probe	CGTGCCAGCAGCCGCGGT
Mouse $\beta$ 2-microglobulin	forward	CCTGCAGAGTTAAGCATGCCAG
	reverse	TGCTTGATCACATGTCTCGATCC
	probe	TGGCCGAGCCCAAGACCGTCTAC
<i>H. pyloricagA</i>	forward	GAGTCATAATGGCATAGAACCTGAA
	reverse	TTGTGCAAGAAATTCCATGAAA
Mouse <i>Sry</i>	forward	TGGGACTGGTGACAATTGTC
	reverse	GAGTACAGGTGTGCAGCTCT
Human <i>GAPDH</i>	forward	ACCCAGAAGACTGTGGATGG
	reverse	CAGTGAGCTTCCCGTTCAG
Mouse $\beta$ -actin	forward	AGTGTGACGTTGACATCCGT
	reverse	GCAGCTCAGTAACAGTCCGC
Mouse <i>Arrdc3</i>	forward	CCGTTTGGTAGCAGAACCTC
	reverse	TCCTCCGTTACAACCTCTGC
Mouse <i>Ccl1</i>	forward	ATGGCACTGATGTGCCTGCT
	reverse	GGTGGAGGACTGAGGGAAA
Mouse <i>Ccl2</i>	forward	TCACCTGCTGCTACTCATTCA
	reverse	CACTGTCACACTGGTCACTCC
Mouse <i>Ccl3</i>	forward	TTCTCTGTACCATGACACTCTGC
	reverse	CGTGGAATCTTCCGGCTGTAG

Mouse <i>Ccl4</i>	forward	TGTCTGCCCTCTCTCTCCTCT
	reverse	AGCAAGGACGCTTCTCAGTGA
Mouse <i>Ccl5</i>	forward	GCTGCTTTGCCTACCTCTCC
	reverse	TCGAGTGACAAACACGACTGC
Mouse <i>Ccl6</i>	forward	CCAAGACTGCCATTTTCATTC
	reverse	AAGCAATGACCTTGTTCCCA
Mouse <i>Ccl7</i>	forward	ATGGAAGTCTGCGCTGAAG
	reverse	ACATGAGGTCTCCAGAGCTTT
Mouse <i>Ccl8</i>	forward	ACGCTAGCCTTCACTCCAAAA
	reverse	TTCCAGCTTTGGCTGTCTCTT
Mouse <i>Ccl9</i>	forward	TGGCATATCTGGCTTTGTCA
	reverse	ATGGCTGTAGCTCAAGATGGT
Mouse <i>Ccl11</i>	forward	TCCACAGCGCTTCTATTCCT
	reverse	GCAGTTCTTAGGCTCTGGGTT
Mouse <i>Ccl12</i>	forward	TCGAAGTCTTTGACCTCAACA
	reverse	GGGAACTTCAGGGGAAATA
Mouse <i>Ccl19</i>	forward	ACTTGCACTTGGCTCCTGAA
	reverse	AGTCTTCCGCATCATTAGCA
Mouse <i>Ccl20</i>	forward	GCAAGCGTCTGCTCTTCCTT
	reverse	TTAGGCTGAGGAGGTTACACA
Mouse <i>Ccl21</i>	forward	GATGATGACTCTGAGCCTCCT
	reverse	TTCTGCACCCAGCCTTCCT

Mouse <i>Ccl22</i>	forward	TGGCAATTCAGACCTCTGATG
	reverse	TTGCTGGAATGGCAGAAGAA
Mouse <i>Ccl24</i>	forward	TCATCTTGCTGCACGTCCTTT
	reverse	TAAACCTCGGTGCTATTGCCA
Mouse <i>Ccl25</i>	forward	TCTCAGGACCAGAAAGGCATT
	reverse	TGGCGGAAGTAGAATCTCACA
Mouse <i>Ccl27</i>	forward	AGGCTGAGTGAGCATGATGGA
	reverse	TTGGCGTTCTAACCACCGA
Mouse <i>Ccl28</i>	forward	GCTGTGTGTGTGGCTTTTCAA
	reverse	TACCTCTGAGGCTCTCATCCA
Mouse <i>Cx3cl1</i>	forward	TGGCTTTGCTCATCCGCTATCAG
	reverse	CGTCTGTGCTGTGTCGTCTCC
Mouse <i>Cxcl1</i>	forward	ACCCAAACCGAAGTCATAG
	reverse	TTGTATAGTGTTGTCAGAAGC
Mouse <i>Cxcl2</i>	forward	ACTTCAAGAACATCCAGAG
	reverse	CTTTCCAGGTCAGTTAGC
Mouse <i>Cxcl3</i>	forward	CAGCCACACTCCAGCCTA
	reverse	CACAACAGCCCCTGTAGC
Mouse <i>Cxcl4</i>	forward	AGCGATGGAGATCTTAGCTGTGT
	reverse	CCAGGCTGGTGATGTGCTTAA
Mouse <i>Cxcl5</i>	forward	AGTCAAGAATCATTGGTTGTTAACCTT
	reverse	TCCGGAGACAATGCAATAGTCA

Mouse <i>Cxcl7</i>	forward	GGAGTTCACTGTGCTGATGTGGA
	reverse	CACAGATGAAGCAGCTGGTCAGTAA
Mouse <i>Cxcl9</i>	forward	ACAAATCCCTCAAAGACCTCAAACAG
	reverse	ATCTCCGTTCTTCAGTGTAGCAATG
Mouse <i>Cxcl10</i>	forward	TGAAAGCGTTTAGCCAAAAAAGG
	reverse	AGGGGAGTGATGGAGAGAGG
Mouse <i>Cxcl12</i>	forward	CCTCCAAACGCATGCTTCA
	reverse	ACTCTCCTCCCTTCCATTGCA
Mouse <i>Cxcl13</i>	forward	CAGGCCACGGTATTCTGGA
	reverse	CAGGGGGCGTAACTTGAATC
Mouse <i>Cxcl14</i>	forward	GCTTCATCAAGTGGTACAAT
	reverse	CTGGCCTGGAGTTTTTCTTTCCAT
Mouse <i>Cxcl15</i>	forward	CTAGGCATCTTCGTCCGTCC
	reverse	TTGGGCCAACAGTAGCCTTC
Mouse <i>Cxcl16</i>	forward	AAACATTTGCCTCAAGCCAGT
	reverse	GTTTCTCATTTCCTCAGCCT
Mouse <i>Cxcl17</i>	forward	ATGAAGCTTCTAGCCTCTCCC
	reverse	CTATAAGGGCAGCGCAAAGCTTGC
Mouse <i>Tnfa</i>	forward	ATGTCTCAGCCTCTTCTCATTC
	reverse	GCTTGTCACTCGAATTTTGAGA
Mouse <i>Il6</i>	forward	CTCCCAACAGACCTGTCTATAC
	reverse	CCATTGCACAACCTTTTTCTCA

Human <i>ARB1</i>	forward	AAAGGGACCCGAGTGTTC AAG
	reverse	CGTCACATAGACTCTCCGCT
Human <i>ARB2</i>	forward	TCCATGCTCCGTCACACTG
	reverse	ACAGAAGGCTCGAATCTCAAAG
Human <i>ARRDC1</i>	forward	AGTTCCTGCTTCCTGCCACT
	reverse	GGCTGCACTTGTGATCCTTG
Human <i>ARRDC2</i>	forward	GAGGTGGTAGCCGACACTGA
	reverse	CGGTAGCGGAACTCTTGGAT
Human <i>ARRDC3</i>	forward	TTTGCCACTTGTCATCGGTA
	reverse	GGTGCTTCAGGTCTTTCAGG
Human <i>ARRDC4</i>	forward	TTGATGCTCGAACTGCCATT
	reverse	TGGTGCTTCAGGCTGCTCT
Human <i>ARRDC5</i>	forward	CCGTTGCTGCTGTCCGTGAG
	reverse	CTGAGGCGCTGGTGATGATGATG
Human <i>TXNIP</i>	forward	CCTGAAGATCACCGATTGGA
	reverse	GGTGGTGGCATGAACTTGAA
Human <i>CXCL2</i>	forward	CTCAAGAATGGGCAGAAAGC
	reverse	CTTCAGGAACAGCCACCAAT
Human <i>SP1</i>	forward	CCAATGGCTGGCAGATCA
	reverse	CCACCAGAGACTGTGCGATT

- 
- 1 For the probes, a FAM fluorescent reporter is coupled to the 5' end, and a TAMRA quencher is coupled to the 3'
  - 2 end.



1 SupplementalTable 4.siRNAsused in the present study

Name		Sequence 5'→3'
siARRDC3	sense	GCUGGACUGAAUCUAGAAATT
	antisense	UUUCUAGAUUCAGUCCAGCTT
siPAR1	sense	GGUCUGAAUUGUGUCGCUUTT
	antisense	AAGCGACACAAUUCAGACCTT
siSP1#1	sense	CCUCACAGCCACACAACUUTT
	antisense	AAGUUGUGUGGCUGUGAGGTT
siSP1#2	sense	CAUACCAGGUGCAAACCAATT
	antisense	UUGGUUUGCACCUUGGUAUGTT

2

3