

Supplementary table S1: Characteristics of the analyzed cohort with primary Sjögren's syndrome (pSS) and healthy controls

	pSS patients (n=26)	Healthy controls (n=22)
Age, mean +/- SD (range) years	58 +/- 14	58 +/- 19.13
Female sex (%)	100	100
No antibody (%)	7 (27)	100
anti-SSA+ anti SSB- (%)	8 (31)	
anti-SSA+ anti-SSB+ (%)	11 (42)	NA
ESSDAI, mean +/- SD (range)	3.5 +/- 4 (0 - 15)	NA
<u>Treatments:</u>		
Methotrexate (15mg/week) (%)	1 (3)	NA
Hydroxychloroquine (400mg/d) (%)	7 (27)	NA

Supplementary table S2. List of significantly differentially methylated IFN regulated genes (IRGs) found in B lymphocytes from seropositive and seronegative pSS patients (red denotes hypomethylated genes; green hypermethylated genes; blue are genes with both hyper- and hypomethylated probes). Genes with at least 2 CpG sites significantly differentially methylated (at least 7% median difference of methylation, $p < 0.01$) were included in the analysis.

Differentially methylated IRGs found in anti-SSA+ anti-SSB + patients	Differentially methylated IRGs found in anti-SSA+ anti-SSB- patients	Differentially methylated IRGs found in anti-SSA - patients
76 genes	24 genes	2 genes
<i>AHNAK</i> <i>AIM2</i> <i>AMPD3</i> <i>ARAP1</i> <i>ARHGEF2</i> <i>ARID5A</i> <i>ATXN1</i> <i>CBFA2T3</i> <i>CCL8</i> <i>CD80</i> <i>CETP</i> <i>CHST15</i> <i>CPM</i> <i>DLG4</i>	<i>AMPD3</i> <i>ARHGEF15</i> <i>ATP1B2</i> <i>CBFA2T3</i> <i>CDH18</i> <i>FOXO3</i> <i>HOXB2</i> <i>IFI44L</i> <i>IFITM1</i> <i>IFITM3</i> <i>ISG15</i> <i>JARID2</i> <i>KIAA0754</i> <i>MACF1</i>	<i>AR</i> <i>DHX58</i>

DTX3L
DUSP2
EMP1
FAM49A
FAM53B
FGL2
FOXO3
GATM
GNA12
HMHA1
HOXB2
IFI44L
IFITM1
IFITM3
IL10RA
IRAK3
IRF7
ISG15
ITPR2
JARID2
LAG3
LGALS3BP
LPCAT1
MX1
N4BP3
NF1
PARP12
PARP9
PGM1
PHACTR4
PIK3CD
PLSCR1
PPFIBP2
PPM1H
PRDM2
PRKCA
PRKCE
PTPRCAP
RAB8B
RASSF2
RERE
RPL13A
RPL3
RSAD2
RUNX3
SBNO2

MAP3K5
N4BP3
PARP12
PHLDA2
RABGAP1L
RPL3
RSAD2
SBNO2
SNRPN
ZAP70

<i>SECTM1</i>		
<i>SH2B2</i>		
<i>SLAMF7</i>		
<i>SNRPN</i>		
<i>SOCS1</i>		
<i>SOCS2</i>		
<i>SORL1</i>		
<i>SP140</i>		
<i>SPATS2L</i>		
<i>STK17A</i>		
<i>TG</i>		
<i>TNF</i>		
<i>TREM1</i>		
<i>TRIP6</i>		
<i>USP6NL</i>		
<i>ZMIZ1</i>		