controls   "mating-type specific"

	fwd				
α #1		700	600	1300	400	400
	rev	700	600	1300	400	400
α #2	fwd	700	600	1300	400	400
	rev	700	600	1300	400	400
a #1	fwd	700	600	1300	400	400
	rev	700	600	1300	400	400
a #2	fwd	700	600	1300	400	400
	rev					

FRE7   AFB1   AGA2   ASG7   BAR1

	fwd				
α #1		1300	1100	500	1200	400
	rev	1300	125,000	500	1200	400
α #2	fwd	1300	1100	500	1200	400
	rev	1300	125,000	500	1200	400
a #1	fwd	1300	1100	500	1200	400
	rev	1300	125,000	500	1200	400
a #2	fwd	1300	1100	500	1200	400
	rev					

IKS1   DDR2   FAR1   MFA2   MF(ALPHA)2

Figure S1. Spores harbor antisense transcripts to many "mating-type-specific" genes. RNA-seq reads from spores sorted by mating type were mapped onto the genome in a strand-specific manner. Biological replicates are numbered as "#1" and "#2". For all but *DDR2*, the *y* axis scale is the same for both strands, as indicated by the numbers at top right of each plot.
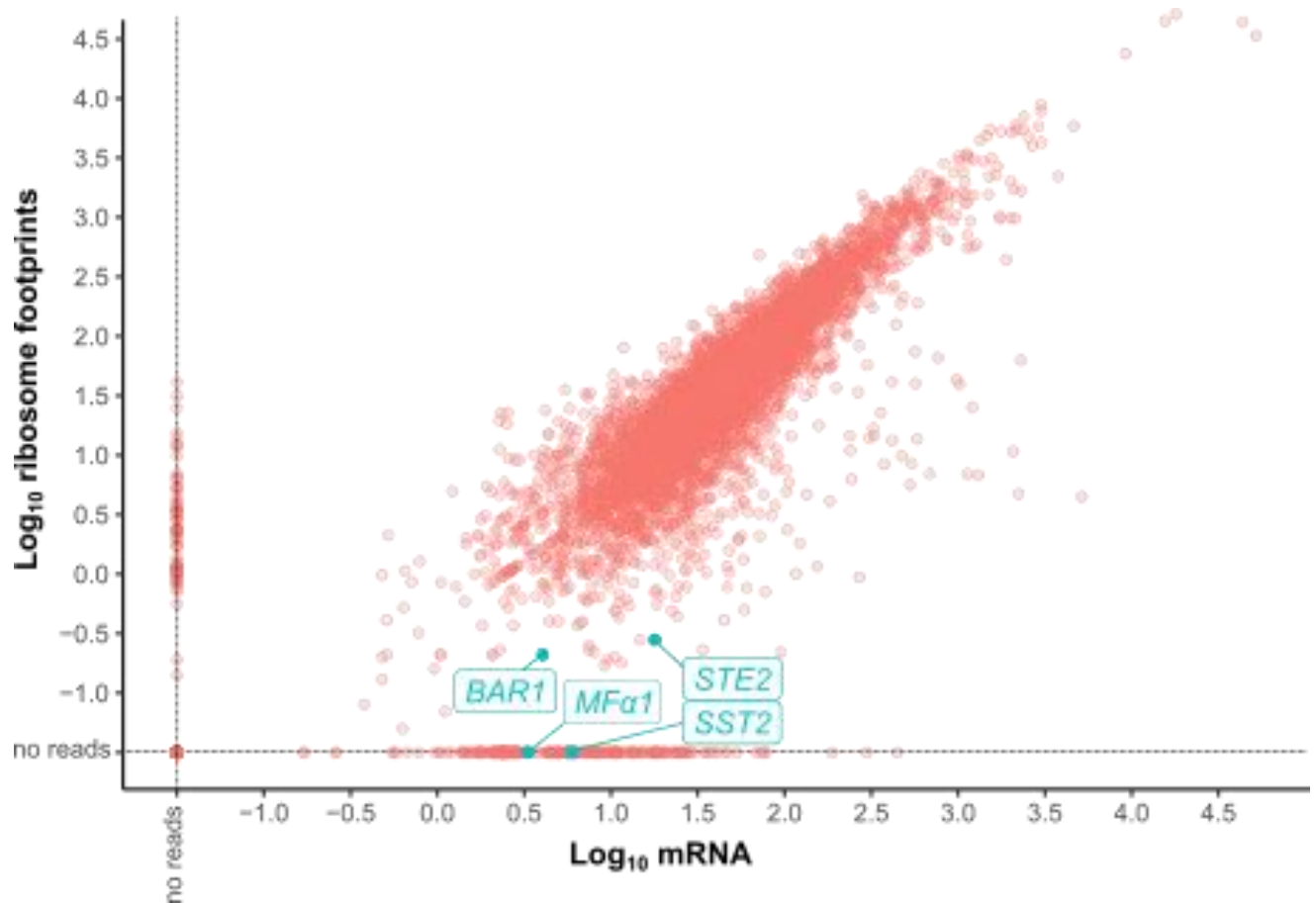
Figure S2. Limited translation in spores of mating-type-specific transcripts. Published transcriptome-wide RNA-seq and ribosome profiling data [6] from the final (18-hour) time point of synchronous sporulation using the traditional synchronization method were retrieved from the GEO database (GSM843742 and GSM843775) and plotted against each other after taking the $\log_{10}$ value for each transcript. For values that were 0, the $\log_{10}$ value is undefined, so these transcripts were assigned values of -1.5 for plotting purposes, and are marked here as "no reads".
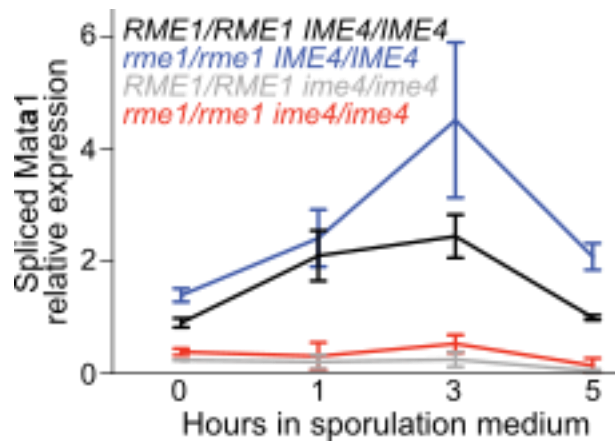
Figure S3. m^{6}A methylation promotes Mata1 induction during sporulation.
Quantitative RT-PCR was used to quantify at each time point the amount of spliced
Mat**a**1 relative to Act1. Ratios were normalized to *RME1/RME1 IME4/IME4* at time point
0. "*RME1*" refers to the ins-308A insertion polymorphism in the *RME1* upstream region.
"*rme1*' refers to the allele found in S288C-background strains that increases *RME1*
expression [15]. "*RME1/RME1 IME4/IME4*" and "*RME1/RME1 ime4/ime4*" are the same
strains as in Figure 3a. "*rme1/rme1 IME4/IME4*" and "*rme1/rme1 ime4/ime4*" are strains
GBy222 and GBy225. Plot symbols show means and standard deviations from three
biological replicates.