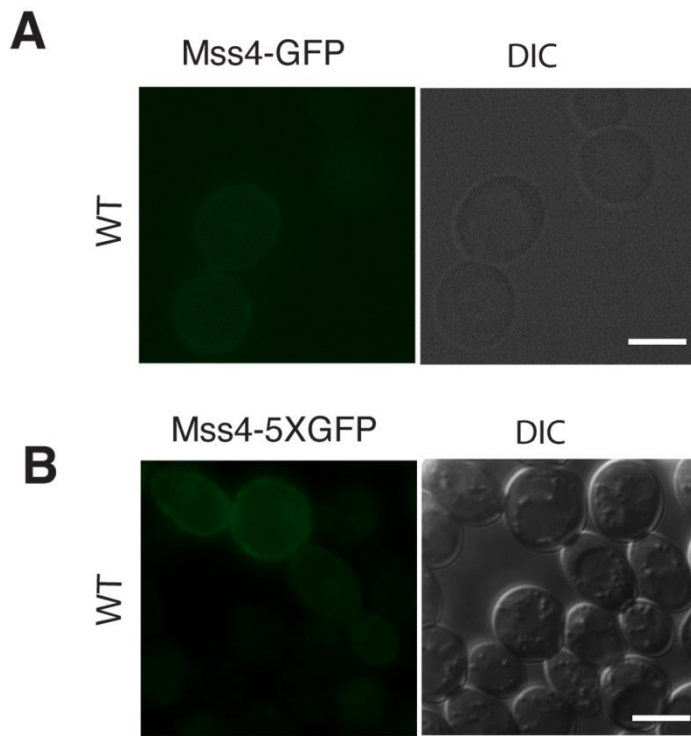


Supplementary Materials  
*Molecular Biology of the Cell*  
Nunez *et al.*

### Supplementary Table 1. Oligonucleotides used in this study

Oligo	Sequence
ANO475	GATCCATGAACAGTGAAATTTTCGAAGGAAGAGTGGATGGAAGAGTTTTTT GAACTTTCCGAATCTCCAAT
ANO476	CGATTGGAGATTCGGAAAGTTCAAAAACTCTTCCATCCACTCTTCCTTC GAAATTTCACTGTTTCATG
ANO477	ACTAAAGGGAACAAAAGCTGGGTACCCTGGTTGGTTGGAAGCATAG
ANO478	GACTCACTATAGGGCGAATTGGAGCTCCAGGGTCCAATTGGCAGTTC
GNO04	CCGGTAGAGGTGTGGTCAATAAG
GNO05	GTGGCGCGCCGGATCCTTAGGTGATAC
GNO27	CAGTAAAATTTTCGAAGGCAAAGTGGATGGCAGAGTTTTTTAACTTTCCGCATCTCCAG
GNO28	C TGGAGATGCGGAAAGTTTAAAAAACTCTGCCATCCACTTTGCCTTCGAAATTTTACTG
GNO38	AATCTAAGTTTTTCTAGAAGTAGTATGAATAAAGACGTCGAC
GNO39	CCCTTTGATAACCATACTAGTATTGGAGGGATCAGTAAAG
GNO45	CTCCACCGCGGTGGCGGCCGCATAGCTTCAAATGTTTCTAC
GNO46	TCGATAAGCTTGATATCGGCAAATTAAGCCTTCGAGCGTCC
GNO51	GAGTCTGCAACGGCAGAAATTACATTTTTTGGTGGATGAC
GNO52	CGTCATCCACCAAAAATGTAATTTCTGCCGTTGCAGACTCTGATCT
GNO68	GATCCATGCAGTAAAATTTTCGAAGGCAAAGTGGATGGCAGAGTTTTTTAACTTTCCG CATCTCCAGAT
GNO69	CGATCTGGAGATGCGGAAAGTTTAAAAAACTCTGCCATCCACTTTGCCTTCGA AATTTTACTGCATG
GNO70	GCGGCCGCTCTAGAAGTAGTGGATCCCATATCCAGTACACATATAC
GNO71	GAGCGTGTATTAAGATTTTTACTATTAAC
GNO72	GTTTAATAGTAAAAATCTTTAATACACGCTC
GNO73	CTCGAGGTCGACGGTATCGATCGCCGAAATGCTCGAAAAAC
GNO89	GGGTACCGGGCCCCCTCGAGGGCAAATTGATGCCTTATGGT
GNO90	CGGCCGCTCTAGAAGTAGTGGATCCTCTTCTAGCATTTCTTCAGAC
GNO91	CTATCCAGTACCTCAAGAAGTGATTCAGCG

GNO82 CGCTGAATCACTTCTTGAGGTACTGGATAG  
HNO161 GAAAACCCTTTTACAATTA AAAAAGGCAATTA AAAATAGAAACAAATCAACGGATCC  
CCGGGTAAATTA  
HNO162 ATACAAAAGGGGAGTTCGGATAGAATAGAAATATAGAAAATAGTTGGAAGAATTCTGA  
GCTCGTTTAAAC  
KZO49 TATGGGCCCAACAACGACGAGTTAACTATTGTG  
KZO50 TATCTCGAGCCGGTAGAGGTGTGGTCAATA  
OKZ110 AAACCCAAAAAAGAGATCGAATTCATGTTAGAGTCTTTAGCTGCTA  
OKZ115 TAGATCTCTGCAGGTTCGACGGATCCTTACTTGTTATCAGTCAGCTCGA  
OKZ189 GAGCTCCACCGCGGTGGCGGCCGCTCTAGACATAGCTTCAAATGTTTCTACTCC  
OKZ190 CAAAAGCTGGGTACCGGGCCCCCCTCGAGGCCAAATTAAGCCTTCGAGC  
OKZ253 TCGCAACGGCGACTGGCTGGAATTCATGTCAGTCTTGCGATCA  
OKZ254 AGCTTGGCTGCAGGTTCGACGGATCCTCAGTCTTTATAATTTTTCTGGTTAGG  
OKZ264 AGCTTGGCTGCAGGTTCGACGGATCCTCATTCTGGGACAGTAGTCCTTAAAC  
OKZ284 TCGCAACGGCGACTGGCTGGAATTCGTCAGTGAAGGCCATGTCAA  
OKZ285 AGCTTGGCTGCAGGTTCGACGGATCCTTAGTTATTCATGACTAGGAAGTAAATTTT  
OKZ286 TCGCAACGGCGACTGGCTGGAATTCCTATTCCACCACACTTAGACATT  
OKZ287 AGCTTGGCTGCAGGTTCGACGGATCCTTATACAGAATCTTCTATGAATTCGTAAAA  
OKZ386 ACTAAAGGGAACAAAAGCTGGGTACCATTGAAAGAACCCTCTCG  
OKZ387 ACTCACTATAGGGCGAATTGGAGCTCGGAACCGCAGATTGCTAGTAC  
OKZ390 CGCAACTCCCCTCCAATAATCGAGCTGGTATGTCTGAGGAGTTGATAAAGGA  
OKZ391 CCTTAACTGCTTTTTAAATCATCAGTTCAACTTGTGACCCAACCTT  
OKZ501 CATTGCTTAAAATATTTTGCGG  
OKZ502 CCGCAAATATTTTAAGCAATGTCTGAGGAGTTGATAAAGGAG  
OKZ503 GATTTTAATTCAATTCAATTTAGTTCAACTTGTGACCCAAC  
OKZ504 TAAATTGAATTGAATTA AAAATCGATAG  
KZO94 ACACTCTACTGGTGGTATGGACGAATTGTATAAGGGATCCGTTCTGGCTGGTTCAATTTG  
KZO100 TGTAAGCGTGACATAACTAATTACATGACTCGAGTCATACTCGCTAGAAGTTTTAGCA  
RHO32 TGTTCTTATCCTATAAGTCATACAGTTGAATTTGTTAATCTTTACTAGAAGTTGGGATTTCA  
GCACTTCGGATCCCCGGGTTA  
RHO33 AAAATACAGTAGCTTTTCATGCCTGCACAAATTTAACAAGAGTTTCATGGGGTACATTTTTAA  
TGCCTCAAGAATCGAGCTCGT



**Supplementary Figure 1. Enhanced signal from Mss4-5xGFP.**

A) Wild-type sporulating cells (AN120) transformed with plasmid expressing Mss4-GFP (pRS414-Mss4-GFP). DIC image is shown on the right. B) Wild-type sporulating cells expressing Mss4-5xGFP (pRS414-Mss4-GFP and pRS426-TEF1pr-1-10GFP). DIC image shown on the right. Scale bars = 5  $\mu$ m.