

Supplementary Material

Table S1: Yeast Strains

<u>Strain</u>	<u>Genotype</u>	<u>Reference</u>
BY4733	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0</i>	
AA6	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 HPC2 Without intron</i>	This study
HG3	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 APE2 Without intron</i>	Agarwal and Ansari, 2016
AA7	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 ASC1 Without intron</i>	Agarwal and Ansari, 2016
NEA6	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4 Without intron</i>	Agarwal and Ansari, 2016
HG2	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 YPL109C Without intron</i>	This study
KMD9	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 INO1::Act1 intron at 100 position</i>	This study
AMR2	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 INO1::Act1 intron at 500 position</i>	This study
KMD10	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 INO1::Act1 intron at 800 position</i>	This study
KMD11	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 INO1::Act1 intron at 1400 position</i>	This study
KMD18	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 INO1::Act1 intron at TGA+10 position</i>	This study
NEA11	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at 461 position</i>	This study
AG1	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at 750 position</i>	This study
KMD6	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at TGA+20 position</i>	This study
KMD13	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4 Without intron, SUA7-HA::HIS</i>	This study
AG7	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at 461 position, SUA7-HA::HIS</i>	This study
AG5	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at 750 position, SUA7-HA::HIS</i>	This study
KMD14	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at TGA+20 position, SUA7-HA::HIS</i>	This study

NEA7	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4 Without intron, CCL1-TAP::URA3</i>	This study
SAM30	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at 461 position, CCL1-TAP::URA3</i>	This study
AG6	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at 750 position, CCL1-HA::HIS</i>	This study
KMD16	<i>MATa his3Δ200 trp1Δ63 leu2Δ0 met15Δ0 ura3Δ0 IMD4::Act1 intron at TGA+20 position, CCL1-TAP::URA3</i>	This study

Table S2: Primers/probes used in RT-PCR, ChIP, CCC and TRO

ChIP Primers

Primer Name:	Sequence:
5' IMD4- P	ATGATAGACTTGAGGGACGCAC
3' IMD4- P4	CAGCATCTCGAAGAGCAAAAA
5' IMD4- P2	GCCATATAAATATCAGTTGAGAATCC
3' IMD4- P2	GTATGTCTTCAAATGTTCTAAAGCC
5' IMD4- CCC	TGGATTACAAAAAGGCTTTAGAAC
3' IMD4- CCC	CAGCATCTCGAAGAGCAAAAA
5' IMD4- T	GATTCTGTGCATTTGAGGAGC
3' IMD4- T	GGTGTAAGGGTTTAGATGAAGC

YPL109 Primers

Primer Name:	Sequence:
5' YPL109C- A1	TTTTCATAAAATACCTATAAG
3' YPL109C- A1	CTGAAATTTCTAAAAACCT
5' YPL109C- P1	CTGTGAGGGTTTGATATTGATGAG
3' YPL109C- T1	TGCATCTTTTATAATTGCGACTTCC
5' YPL109C- F1	CCTCTTCTCCTATTATACCCCATAT
3' YPL109C- R1	CGTTACTATGCAATTTACCCAAC
5' YPL109C- pRS	TATCAAACCCTCACAGAATAGAGATAAAGAACATCAGAACC ATCTGGGCAGCGGCATCAGAGCAGATTG
3' YPL109C- pRS	GCGAACACGTGGAAGTCGCAATTATAAAAGATGCATAAAAA GAAAGAATACTGTGCGGTATTTACACACCG

INO1 Primers

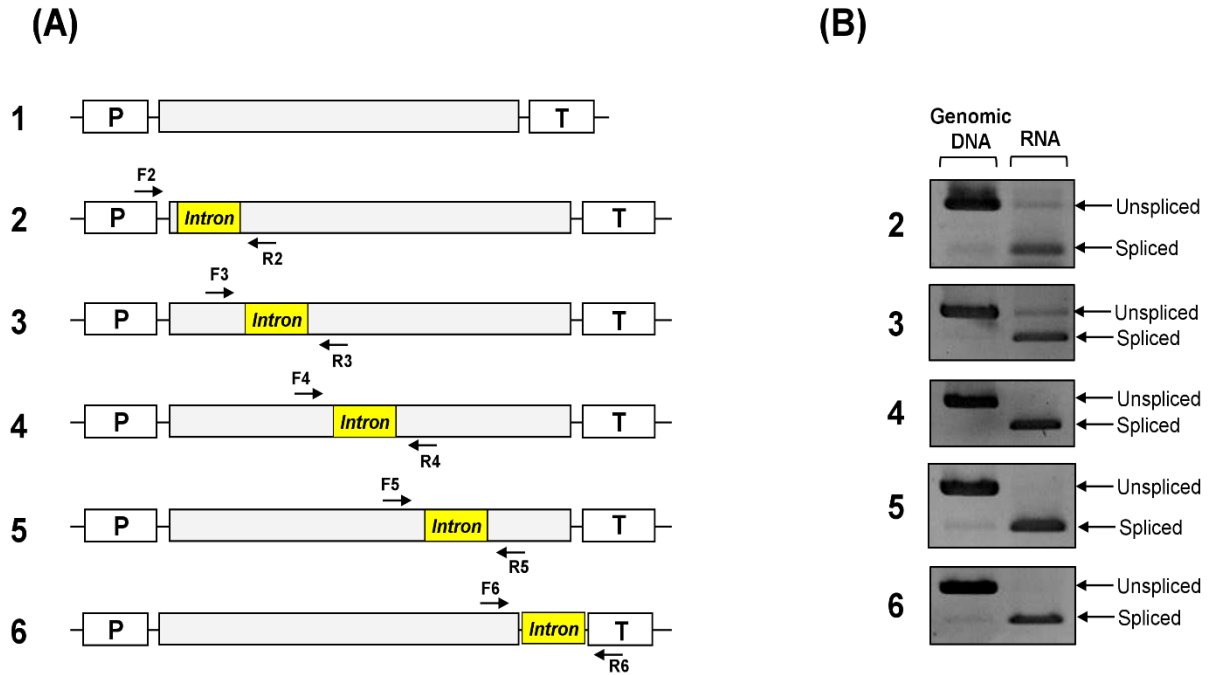
Primer Name:	Sequence:
5' INO-INT-up100	CAAGTGCACGTACAAGGACAACGAGCTGCTCACCAAGTA CAGCTACGAAAGTATGTTCTAGCGCTTGCAC

3' INO-INT-down100	AGTGGGCGTTACATCGAAGCGGCCACTAGCTGTCTTCGT AACTACAGCATCTAAACATATAATATAGCAACAAAAAGAAT G
5' INO-INT-up500	AACGCAGATCTATACGAAGCTATGCAGAGAAGTCAAGTTCT CGAATATGAGTATGTTCTAGCGCTTGAC
3' INO-INT-down500	AAGGAAGAGGCTTCACCAAGGACATCTTCGCCTTCAAGCGT TGTTGCAGACTAAACATATAATATAGCAACAAAAAGAATG
5' INO-INT-up800	GTAGAAGTATCTCCTGGTGTTAATGACACCATGGAAAACC TCTTGCAGTCGTATGTTCTAGCGCTTGAC
3' INO-INT-down800	CTGCTGCAAAGATCGTGGAAGGAGCAATCTCTTCATGGTC ATTCTTAATACTAAACATATAATATAGCAACAAAAAGAATG
5' INO-INT-up1400	GTCATGACTGAGTTTTGTACAAGAGTGTCTATAAGAAGG TGGACCCAGTGTATGTTCTAGCGCTTGAC
3' INO-INT-down1400	AGAAGGTAAAACCTGGATAAAAGTTCTCGAATTTGCCAGC ATCTTCTTTACTAAACATATAATATAGCAACAAAAAGAATG
5' INO-INT-TGA+10	GCCTTCTCAAACGAACTAAGATTTGAAGAGAGATTGTTGTA ATCTCATTGTATGTTT
3' INO-INT-TGA+10	AATGTCTTGTTTTTTTATAGGTAGGCGGAAAAAGAAAAAGA GAGTCGTTGCTAAACA
5' INO1 A1	GATATCCAGAATTTCAAAGAAGAAAAC
3' INO1 A2	TATTCTGCGGTGAACCATTAATATAG
5' INO1 S1	CAGAAAAGCTGATGAATGACTCTG
3' INO1 S2	TTGATGGTTGGAGTTGTGACCG
3' 18S	GACGGAGTTTCACAAGATTACC
3' Oligo dT	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
5' 18S F	GGAATAATAGAATAGGACGTTTGG
3' 18S R	GTAAAGGTCTCGTTCGTTATCG
5' INO1 F2	TGCTCACCAAGTACAG
3' INO1 R2	GTAGTTTGGTTGCTTAACGCC
5' INO1 F3	GGCGTTAAGCAACCAAACACTAC
3' INO1 R3	CCGACGGGCTTCATATATTTG
5' INO1 F4	GGCGTTAAGCAACCAAACACTAC
3' INO1 R4	CCGACGGGCTTCATATATTTG
5' INO1 F5	GTATTAAACCGGTCTCCATTGC
3' INO1 R5	CAACAATCTCTCTTCGAATCTTAG
5' INO1 F6	GTATTAAACCGGTCTCCATTGC
3' INO1 R6	ATAGGTAGGCGGAAAAAG

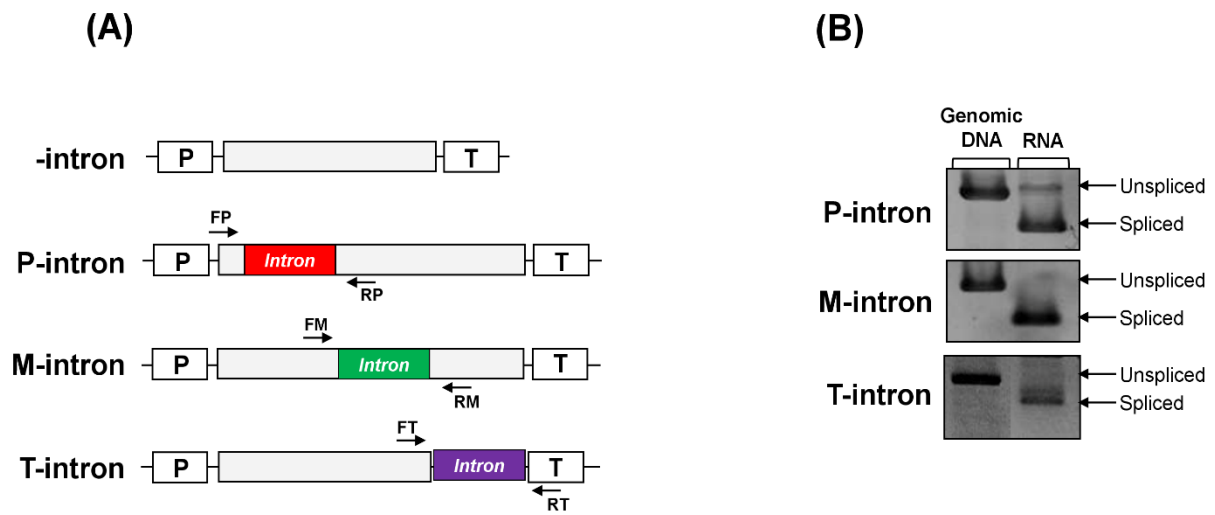
IMD4 Primers

Primer Name:	Sequence:
5' IMD4 ACT1 461	AGTTAAGGTTATGAAGAGAAAGTTTGGTTTCTCTGGCTTC CCAGTTACTGGTATGTTCTAGCGCTTGAC

3' IMD4 ACT1 461	ATCACGAGAGGTGACTAACCCAACTAACTTACCTGGACAC TTACCGTCTTCTAAACATATAATATAGCAACAAAAAGAATG
5' IMD4 ACT1 750	TTCTAAATCCGCCACCACCAAGCAATTGCTATGTGGTGCT GCAATTGGTACTATCGAAGCTGATAAGGAAAGATTAAGAC
3' IMD4 ACT1 750	TTTGATCATGTTCAATTGGAAAACAGAGTTACCTTGAGAG GAATCTAAGATAACAACATCCAAACCTGCTTCGACTAATA
5' IMD4 ACT1 TGA+20	CACTCCTATGAAAAACGTCTATACAATTGAGTAAGCATCCA TAGATATTTGTATGTTCTAGCGCTTGCAC
3' IMD4 ACT1 TGA+20	AGTTTTTGTGATCTCTATGAAGGTATATTTATATGCAAAAAT AACTTTTCTAAACATATAATATAGCAACAAAAAGAATG
5' IMD4- A1	TGTTGTCAAGAGCGGATTTG
3' IMD4- A2	AATCTGGGAAAGTTTCTTTAATCC
3' IMD4- UP1	GATTCAAATCATGCTTGGCTC
5' IMD4- UP	CGCATTTTTTTCATCTCTTTTTC
3' IMD4- UP	TTTGTTAGGTTTCTTCAAAGCTATG
5' IMD4- P1	AGAGTTTTTCACATTAGGGCTGC
3' IMD4- T1	CTTATTGAAGTATGTACAGTGGAATAG
5' IMD4- F1	TGGATTACAAAAAGGCTTTAGAAC
3' IMD4- R1	CTTCAGTGACTGTGTCCATAGGAG
5' IMD4- J	TGGTATGTTAGCTGGTAC
3' IMD4- T	GGTGTAAGGGTTTAGATGAA
3' IMD4- T2	CGAACTGAAAAACGAAAATAAGAA
3' IMD4- T3	CACAATTCAGGCGTGTTGC
3' IMD4- T4	TCGCCTAAACATGCTTCC
3' IMD4- T5	TGAAGATGAGCTGGAAAA
5' IMD4- ACT1	CATGTACTAACATCGATTGCTTC
5' IMD4 FP	AGGAATTGATGGACTCCACAA
3' IMD4 RP	GGTTTGTTTTAGGATTTCATTACC
5' IMD4 FM	TGTTGTCAAGAGCGGATTTG
3' IMD4 RM	AATCTGGGAAAGTTTCTTTAATCC
5' IMD4 FT	TGGTATGTTAGCTGGTAC
3' IMD4 RT	AAGAATGATAGCAAATAGAGAAAGC



Supplementary Figure 1. The *ACT1* intron at different positions in the *INO1* gene is spliced efficiently. **(A)** Schematic depiction of *INO1* gene with the *ACT1* intron at five different positions within the gene. Arrows indicate the position of primers used in RT-PCR analyses. **(B)** RT-PCR analysis of *INO1* mRNA with the intron at five different positions. Genomic DNA PCR indicate the position of unspliced transcripts. The expected positions of spliced and unspliced transcripts obtained by RT-PCR approach for every construct is indicated.



Supplementary Figure 2. The *ACT1* intron at different positions in the *IMD4* gene is spliced efficiently. **(A)** Schematic depiction of *IMD4* gene with the *ACT1* intron at three different positions within the gene. Arrows indicate the position of primers used in RT-PCR analyses. **(B)** RT-PCR analysis of *IMD4* mRNA with the intron at three different positions. Genomic DNA PCR indicate the position of unspliced transcripts. The expected positions of spliced and unspliced transcripts obtained by RT-PCR approach for every construct is indicated.