

Table S1. Pairwise levels of identity of *M. capitatus* ENCB-HI-834 with their closely related species, by using of ITS and 28S markers.

ITS	1	2	3	4	5	6	7	8	9	10	11	12
1. <i>Magnusiomyces capitatus</i> ENCB-HI-834 (MN832904)												
2. <i>Magnusiomyces capitatus</i> H2-5 (KT876611)	100											
3. <i>Magnusiomyces capitatus</i> SGX1001 (MH999810)	100	100										
4. <i>Magnusiomyces capitatus</i> Dmin 164990 (MG241530)	100	100	100									
5. <i>Magnusiomyces capitatus</i> H4-3 (KT876612)	100	100	100	100								
6. <i>Yarrowia lipolytica</i> CBS 6124 (NR111212)	56	56	56	56	56							
7. <i>Candida phangngaensis</i> ATCC MYA4467 (NR111357)	57.1	57.1	57.1	57.1	57.1	78						
8. <i>Groenewaldozyma salmanticensis</i> MUCL 29881 (NR111299)	65	65	65	65	65	57	64					
9. <i>Debaryomyces hansenii</i> JCM 1990 (NR120016)	59.2	59.2	59.2	59.2	59.2	55.5	60.4	66.4				
10. <i>Clavispora lusitaniae</i> CBS 6936 (NR130677)	59.6	59.6	59.6	59.6	59.6	65.3	71.1	64.7	62.3			
11. <i>Lodderomyces elongisporus</i> ATCC 11503 (NR111593)	60.5	60.5	60.5	60.5	60.5	59.2	62.5	68.4	76.6	67.1		
12. <i>Candida orthopsilosis</i> ATCC 96139 (NR130661)	63	63	63	63	63	61.6	64.4	69.9	79.1	68.5	88.5	

28S	1	2	3	4	5	6	7	8	9	10	11	12
1. <i>Magnusiomyces capitatus</i> ENCB-HI-834 (MN833644)												
2. <i>Magnusiomyces capitatus</i> CBS 162.80 (NG055400)	100											
3. <i>Magnusiomyces capitatus</i> CBS 580.82 (KU301175)	100	100										
4. <i>Magnusiomyces capitatus</i> CBS 312.76 (KU301159)	100	100	100									
5. <i>Magnusiomyces capitatus</i> CBS 562.97 (KU301164)	100	100	100	100								
6. <i>Magnusiomyces capitatus</i> CBS 579.82 (KU301174)	100	100	100	100	100							
7. <i>Magnusiomyces capitatus</i> CBS 12994 (KU301154)	99.6	99.6	99.6	99.6	99.6	99.6						
8. <i>Groenewaldozyma salmanticensis</i> NRRL Y-17090 (NG055414)	70.1	70.1	70.1	70.1	70.1	70.1	69.7					
9. <i>Yarrowia lipolytica</i> NRRL YB-423 (NG055393)	68.6	68.6	68.6	68.6	68.6	68.6	68.2	68.6				
10. <i>Debaryomyces hansenii</i> NRRL Y-7426 (NG042634)	68.4	68.4	68.4	68.4	68.4	68.4	68	77.5	70.3			
11. <i>Clavispora lusitaniae</i> NRRL Y-11827 (NG055408)	67.5	67.5	67.5	67.5	67.5	67.5	67.1	72	68.2	71.7		
12. <i>Lodderomyces elongisporus</i> ATCC 11503 (NG054825)	68.3	68.3	68.3	68.3	68.3	68.3	67.9	75.5	69.5	90.2	72	
13. <i>Candida orthopsilosis</i> ATCC 96139 (NG054816)	67.5	67.5	67.5	67.5	67.5	67.5	67.2	74.3	68.8	90.5	72.7	96.8