

Km-Y1	-TACCCAGGTATCCGGTTGTAGTTGGCACTGGGGATGGAAAAAAAAA-GATTGAGATTGAT	-652
Km-ATCC12424	----CCAGGTATCCGGTTGTAGTTGGCACTGGGGATGGAAAAAAAAAAGATTGAGATTGAT	-654
Km-CBS834	---CCCAGGTATCCGGTTGTAGTTGGCACTGGGGATGGAAAAAAAAAAGATTGAGATTGAT	-653
Km-DMKU3-1042	-----TCCGGTTGTAGTTGGCACTGGGGATGGAAAAAAAA-----TGATGTTGAT	-666
Km-CBS6556	TACCCAGGTATCCGGTTGTAGTTGGCACTGGGGATGGAAAAAAAA-----TGATGTTGAT	-655
	*****	*** *****
Km-Y1	GTTGAGTTAGTTGGCTTGGGTTGAGTTGAGTCAATTAGGGCGTGAAAGTATCACCACCTTT	-592
Km-ATCC12424	GTTGAGTTAGTTGGCTTGGGTTGAGTTGAGTCAATTAGGGCGTGAAAGTATCACCACCTTT	-594
Km-CBS834	GTTGAGTTAGTTGGCTTGGGTTGAGTTGAGTCAATTAGGGCGTGAAAGTATCACCACCTTT	-593
Km-DMKU3-1042	GTTGAGTTAGTTG----GGTTGAGTTGAGTCAATTAGTGCGTGAAAGTATCACCACCTTT	-611
Km-CBS6556	GTTGAGTTAGTTG----GGTT-----GAGTCAATTAGTGCGTGAAAGTATCACCACCTTT	-605
	*****	**** *****
Km-Y1	TGTCATCCGGCGTTTCTGTGGGAATCACATA----CACACGCACAATTCATTGGAGCGCT	-536
Km-ATCC12424	TGTCATCCGGCGTTTCTGTGGGAATCACATA----CACACGCACAATTCATTGGAGCGCT	-538
Km-CBS834	TGTCATCCGGCGTTTCTGTGGGAATCACATA----CACACGCACAATTCATTGGAGCGCT	-537
Km-DMKU3-1042	TGTCATCCGGCGTTTCTGTGGGAATCAT-----CACACACACAATTTATTGGAGCGCT	-558
Km-CBS6556	TGTCATCCGGCGTTTCTGTGCGAATCACACACACACACACACAGTTTATTGGAGCGCT	-545
	*****	***** ** *****
Km-Y1	TGTTTTTGGCGAATTCGTAATTGTCTGCGGTGCAGTTCTGTGTGCATTTTTCCTGGGGT	-476
Km-ATCC12424	TGTTTCTGGCGAATTCGTAATTGTCTGCGGTGCAGTTCTGTGTGCATTTTTCCTGGGGT	-478
Km-CBS834	TGTTTCTGGCGAATTCGTAATTGTCTGCGGTGCAGTTCTGTGTGCATTTTTCCTGGGGT	-477
Km-DMKU3-1042	TGTTTCTGGCGAATTCGTAATTGTCTGCGGTGCAGTTCTGTGTGCATTTTTCCTGGGGT	-498
Km-CBS6556	TGTTTCTGGCGTATTCGTAATTGTCTGCGGTGCAGTTCTGTGTGCATTTTTCCTGGGGT	-485
	*****	*****
Km-Y1	GTCTGCCGCACCTACCCATCACCCACGCCGTGGGTTTGAGCCATGGCGGAGGTACGACTG	-416
Km-ATCC12424	GTCTGCCGCACCTACCCATCACCCACGCCGTGGGTTTGAGCCATGGCGGAGGTACGACTG	-418
Km-CBS834	GTCTGCCGCACCTACCCATCACCCACGCCGTGGGTTTGAGCCATGGCGGAGGTACGACTG	-418
Km-DMKU3-1042	GTCTGCCGCACCTACTCATCACCCACGCCGTGGGTTTGAGCCATGGCGGAGGTACGACTG	-438
Km-CBS6556	GTCTGCCGCACCTACTCATCACCCACGCCGTGGGTTTGAGCCATGGCGGAGGTACGACTG	-425
	*****	*****
Km-Y1	ACCGACTGGCTGCCTGTCTGC-----CTGGCTGACTGACAGCAGGAAAAGAGG	-368
Km-ATCC12424	ACCGACTGGCTGCCTGTCTGC-----CTGGCTGACTGACAGCAGGAAAAGAGG	-370
Km-CBS834	ACCGACTGGCTGCCTGTCTGC-----CTGGCTGACTGACAGCAGGAAAAGAGG	-370
Km-DMKU3-1042	ACTGGCTGCCTGCCTGCCTGCCTGCCTGACTGACTGCCTGACTGCAGGAAAAGAGG	-378
Km-CBS6556	ACTGGCTGCCTGCCTGCCTG-----ACTGACTGCCTGACTGCAGGAAAAGAGG	-377
	** * ** ***** **	*** ** *****
Km-Y1	GTTTCCAGGAAAAAACTTTTCCTGTGTTAATCCGGCCGTGCGCCGTGCTCCAAAATCCA	-308
Km-ATCC12424	GTTTCCAAGGAAAAAACTTTTCCTGTGTTAATCCGGCCGTGCGCCGTGCTCCAAAATCCA	-310
Km-CBS834	GTTTCCAAGGAAAAAACTTTTCCTGTGTTAATCCGGCCGTGCGCCGTGCTCCAAAATCCA	-310
Km-DMKU3-1042	GTTTCGAAGGAAAAAACTTTTCCTGTGTTAATCCGGCCGTGCGCCGTGCTCCAAAATCCA	-318
Km-CBS6556	GTTTCGAAGGAAAAAACTTTTCCTGTGTTAATCCGGCCGTGCGCCGTGCTCCAAAATCCA	-317
	***** *	*****
Km-Y1	TCTTCATGAGAAGGAGTTTGAAAAAA-----AATTCACATATAAAAGGCGTATCTCGAG	-254
Km-ATCC12424	TCTTCATGAGAAGGAGTTTGAAAAAA-----AATTCACATATAAAAGGCGTATCTCGAG	-256
Km-CBS834	TCTTCATGAGAAGGAGTTTGAAAAAA-----AATTCACATATAAAAGGCGTATCTCGAG	-256
Km-DMKU3-1042	TCTTCATGAGAAGGAGTTTGAAAAAACAAAAAATTCACATATAAAAGGCGTATCTCGAG	-258
Km-CBS6556	TCTTCATGAGAAGGAGTTTGAAAAAACAAAAAATTCACATATAAAAGGCGTATCTCGAG	-257
	*****	*****
Km-Y1	ATCTCAAGGTCTCCCTTGAATGAAGTTTGCCAATTGTAACATCATCCTTTATTCTTATTCT	-194
Km-ATCC12424	ATCTCAAAGTCTCCCTTGAATGAAGTTTGCCAATTGTAACATCATCCTTTATTCTTATTCT	-196
Km-CBS834	ATCTCAAAGTCTCCCTTGAATGAAGTTTGCCAATTGTAACATCATCCTTTATTCTTATTCT	-196
Km-DMKU3-1042	ATCTCAAAGTCTCCCTTGAATCGTGTGTTGCCAGTTGTAACATCATCCTTTATTCTTCTATT	-198
Km-CBS6556	ATCTCAAAGTCTCCCTTGAATCGTGTGTTGCCAGTTGTAACATCATCCTTTATTCTTCTATT	-197
	*****	***** * *
Km-Y1	CTCTCTCTCTCTTCTCTTCCCTTAATTAGCAATTAAATCCGGGGTAAGGAAGAATTACTA	-134
Km-ATCC12424	CTCTCTCTCTCTTCTCTTCCCTTAATTAGCAATTAAATCCGGGGTAAGGAAGAATTACTA	-136
Km-CBS834	CTCTCTCTCT--TTCTCTTCCCTTAATTAGCAATTAAATCCGGGGTAAGGAAGAATTACTA	-138
Km-DMKU3-1042	CTATCTCTCTCTTTCCCTTCCCTTAATCAGCAATTAAATCCGGGGTAAGGAAGAATTACTA	-138
Km-CBS6556	CTATCTCTCTCTTTCCCTTCCCTTAATCAGCAATTAAATCCGGGGTAAGGAAGAATTACTA	-137
	** ***** *	*****

Additional file 2

Km-Y1	CTGTGTGTAACGGTTATATTTTCGTTTTTTATTTTTTTTC--CACTGCCATAGAGAAAGAA -76
Km-ATCC12424	CTGTGTGTAACGGTTATATTTTCGTTTTTTATTTTTTTTC--CATTGCCATAGAGAAAGAA -78
Km-CBS834	CTGTGTGTAACGGTTATATTTTCGTTTTTTATTTTTTTTC--CATTGCCATAGAGAAAGAA -80
Km-DMKU3-1042	CTGTGTGTAACGGTTATATTTTCGTTTTTTATTTTTTTTCCATTGCCATAGAGAAAGAA -78
Km-CBS6556	CTGTGTGTAACGGTTATATTTTCGTTTTTTATTTTTTTT-CCATTGCCATAGAGAAAGAA -78
	***** ** ***** **
Km-Y1	AAAAAAAA--GAGAGT---GATGATCTTCCATTCGAATCCCATAAGTGATACTTTT-- -25
Km-ATCC12424	AAAAAAAA--GAGAGT---GATAATCTTCCATTCGAATCCCATAAGTGACACTTTT-- -27
Km-CBS834	AAAAAAAAAA-GAGAGT---GATGATCATCCATTCGAATCCCATAAGTGACACTTTT-- -27
Km-DMKU3-1042	AAAAAAAAAAAGAGAGTTTGTGAAGATCTTCCATTCGAATCCCATAAGTGACACATTAA -18
Km-CBS6556	AAAAAAAAAAAGAGAGTTTGTGAAGATCTTCCATTCGAATCCCATAAGTGACACATTAA -18
	***** ** ***** ** **
	+1
Km-Y1	TTT--GTTTTATCAATTTAGTTCGAGATG
Km-ATCC12424	TTTTTGTTTTATCAATTTAGTTCGAGATG
Km-CBS834	TTTTTGTTTTATCAATTTAGTTCGAGATG
Km-DMKU3-1042	TTTTTTTTTTGTTAGAT-----ATG
Km-CBS6556	TTTTTTTTTTGTTAGAT-----ATG
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Additional file 2 (continued)