

	+-----+-----+-----+-----+	
	10       20       30       40       50	
	+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	AATAGAAAAACACTTGTGTAAGAAAAAATGCAGTTGAGCACTTTTCTTTC	50
C.parapsilosis-76	..A.....A.....A.....A.....A...	50
C.parapsilosis-LEMI7686	..A.....A.....A.....A.....A...	50
C.parapsilosis-79	- - - - - . . . . . A . . . . . A . . . . .	34
C.parapsilosis-ZB012	- - - - - . . . AG . . . . . A . . . . . A . . . . .	41
C.parapsilosis-Para-CC-105	- - - - -	0
C.parapsilosis-CBS2193	- - - - -	0
C.orthopsilosis-LEMI34	- - - - -	0
C.parapsilosis-CMC_1826	- - - - -	0
	+-----+-----+-----+-----+	
	60       70       80       90       100	
	+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	T--GTGGTCCTCTTTCCGAAGGT-GAACCTGCGGAAGGATCATTACAGAA	97
C.parapsilosis-76	--..AA.GA..C....T...-.....	97
C.parapsilosis-LEMI7686	--..AA.GA..C....T...T.....	98
C.parapsilosis-79	--..AA.GA..-....T...G-.....	80
C.parapsilosis-ZB012	CTAAAA.GGAAAC....T..AG-AG.....	90
C.parapsilosis-Para-CC-105	- - - - - . . . . T . . . . .	37
C.parapsilosis-CBS2193	- - - - - . . . . T . . . . .	37
C.orthopsilosis-LEMI34	- - - - - . . T . . . . G . . . . .	33
C.parapsilosis-CMC_1826	- - - - - . . C . . . TC . . . A . . . . .	35
	+-----+-----+-----+-----+	
	110       120       130       140       150	
	+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	TGAAAAGTGCTTAACTGCATTTTTCTTACACATGTGTTTTCTTTTTTT	147
C.parapsilosis-76	. . . . .	147
C.parapsilosis-LEMI7686	. . . . .	148
C.parapsilosis-79	. . . . .	130
C.parapsilosis-ZB012	. . . . .	140
C.parapsilosis-Para-CC-105	. . . . .	87
C.parapsilosis-CBS2193	. . . . .	87
C.orthopsilosis-LEMI34	. . . . - . . . . T - - . . . . .	80
C.parapsilosis-CMC_1826	. . . . - . . . . T - . . . . .	83
	+-----+-----+-----+-----+	
	160       170       180       190       200	
	+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	--GAAAACTTTGCTTTGGTAGGCCCTTCTATATGGGGCCTGCCAGAGATTA	195
C.parapsilosis-76	--.....	195
C.parapsilosis-LEMI7686	--.....	196
C.parapsilosis-79	--.....	178
C.parapsilosis-ZB012	--.....	188
C.parapsilosis-Para-CC-105	--.....	135
C.parapsilosis-CBS2193	--.....	135
C.orthopsilosis-LEMI34	TT.....G....C-----AT.....	123
C.parapsilosis-CMC_1826	TT.....G....C-----AT.....	126
	+-----+-----+-----+-----+	
	210       220       230       240       250	
	+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	AACTCAACCAAATTTT-ATTTAATGTCAACCGATTATTTAATAGTCAAAA	244
C.parapsilosis-76	. . . . .	244
C.parapsilosis-LEMI7686	. . . . .	245
C.parapsilosis-79	. . . . .	227
C.parapsilosis-ZB012	. . . . .	237
C.parapsilosis-Para-CC-105	. . . . .	184
C.parapsilosis-CBS2193	. . . . .	184
C.orthopsilosis-LEMI34	. . . . .T....AC.....	171
C.parapsilosis-CMC_1826	. . . . .T....T....AC.....	175

	-----+-----+-----+-----+-----+ 260 270 280 290 300 -----+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	CTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAA	294
C.parapsilosis-76	.....	294
C.parapsilosis-LEMI7686	.....	295
C.parapsilosis-79	.....	277
C.parapsilosis-ZB012	.....	287
C.parapsilosis-Para-CC-105	.....	234
C.parapsilosis-CBS2193	.....	234
C.orthopsilosis-LEM134	.....	221
C.parapsilosis-CMC_1826	.....	225

	-----+-----+-----+-----+-----+ 310 320 330 340 350 -----+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	ATGCGATAAGTAATATGAATTGCAGATATTCGTGAATCATCGAATCTTTG	344
C.parapsilosis-76	.....	344
C.parapsilosis-LEMI7686	.....	345
C.parapsilosis-79	.....	327
C.parapsilosis-ZB012	.....	337
C.parapsilosis-Para-CC-105	.....	284
C.parapsilosis-CBS2193	.....	284
C.orthopsilosis-LEM134	.....	271
C.parapsilosis-CMC_1826	.....	275

	-----+-----+-----+-----+-----+ 360 370 380 390 400 -----+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	AACGCACATTGCGCCCTTTGGTATTCCAAAGGGCATGCCTGTTTGAGCGT	394
C.parapsilosis-76	.....	394
C.parapsilosis-LEMI7686	.....	395
C.parapsilosis-79	.....	377
C.parapsilosis-ZB012	.....	387
C.parapsilosis-Para-CC-105	.....	334
C.parapsilosis-CBS2193	.....	334
C.orthopsilosis-LEM134	.....	321
C.parapsilosis-CMC_1826	.....	325

	-----+-----+-----+-----+-----+ 410 420 430 440 450 -----+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	CATTTCTCCCTCAAACCCTCGGGTTTGGTGTGAGCGATACGCTGGGTTT	444
C.parapsilosis-76	.....	444
C.parapsilosis-LEMI7686	.....	445
C.parapsilosis-79	.....	427
C.parapsilosis-ZB012	.....	437
C.parapsilosis-Para-CC-105	.....	384
C.parapsilosis-CBS2193	.....	384
C.orthopsilosis-LEM134	.....T.....	371
C.parapsilosis-CMC_1826	.....T.....	375

	-----+-----+-----+-----+-----+ 460 470 480 490 500 -----+-----+-----+-----+-----+	
Cand-Mar.2-EG2018	GCTTGAAAGAAAGGCGGAGTATAAACTAATGGATAGGTTTTTTC--CACT	492
C.parapsilosis-76	.....--.....	492
C.parapsilosis-LEMI7686	.....--.....	493
C.parapsilosis-79	.....--.....	475
C.parapsilosis-ZB012	.....--.....	485
C.parapsilosis-Para-CC-105	.....--.....	432
C.parapsilosis-CBS2193	.....--.....	432
C.orthopsilosis-LEM134	.....T-C....	420
C.parapsilosis-CMC_1826	.....TTC....	425



	+-----+-----+-----+-----+	
	10          20          30          40          50	
	+-----+-----+-----+-----+	
Cand-Mar.1-EG2018	CTCCCGTAAGGGTGCCTGCGGAAGGATCAATACTGATTTGCTTAATTGCA	51
C.tropicalis-C9	.....G.T.AA.....T.....	50
C.tropicalis-YZ27	.....G.T.AA.....T.....	50
C.tropicalis-YZ1	.....G.T.AA.....T.....	50
C.tropicalis	.....G.T.AA.....T.....	50
C.tropicalis-PHB5	-----T.....	35
C.sojae	-----T.....	35
C.labiduridarum-ATCC-MYA-4368	-----T.....	36
C.viswanathii-CBS4024	-----T.....	36
C.aquae_textoris-ATCC201456	-----T..A.....	36
C.saraburiensis-CBS11696	-----T.....	36
	+-----+-----+-----+-----+	
	60          70          80          90          100	
	+-----+-----+-----+-----+	
Cand-Mar.1-EG2018	CCACATGTGTTTTTTTATTGA---ACAAATTT-CTTTGGTGGCGGGAGC---	95
C.tropicalis-C9	.....--T.....	94
C.tropicalis-YZ27	.....--T.....	94
C.tropicalis-YZ1	.....--T.....	94
C.tropicalis	.....--T.....	94
C.tropicalis-PHB5	.....--T.....	78
C.sojae	.....A.TTA.A.....G.....C...A...ATAA	86
C.labiduridarum-ATCC-MYA-4368	.....CT.--TGA.....-G.....CA.T...GATTTT	84
C.viswanathii-CBS4024	.....C--TGG...GC.-G.....C..T...GA.TCG	82
C.aquae_textoris-ATCC201456	.....C--TGG...GG.-G.....C..T...GA.TCG	82
C.saraburiensis-CBS11696	.....CG.--TTTG.AC.GC.-G.....C..G.C...TTTCG	84
	+-----+-----+-----+-----+	
	110         120         130         140         150	
	+-----+-----+-----+-----+	
Cand-Mar.1-EG2018	-AATCCCACCGCCAGAGGTTATAACTAAACCAAACCTTTTTATTT-AC--AG	142
C.tropicalis-C9	-....T.....-.-.-.	141
C.tropicalis-YZ27	-....T.....-.-.-.	141
C.tropicalis-YZ1	-....T.....-.-.-.	141
C.tropicalis	-....T.....-.-.-.	141
C.tropicalis-PHB5	-....T.....-.-.-.	124
C.sojae	A...T.T.....T.-.-.	135
C.labiduridarum-ATCC-MYA-4368	--T..TTG.T.....A.....A.....A.T..TT..	133
C.viswanathii-CBS4024	--T.T..G.....C.C.....-T..C..	128
C.aquae_textoris-ATCC201456	--T.T..G.....C.C.....-T..C..	128
C.saraburiensis-CBS11696	--G..G.G.....C.....-C.ACG..	132
	+-----+-----+-----+-----+	
	160         170         180         190         200	
	+-----+-----+-----+-----+	
Cand-Mar.1-EG2018	TCAAACCTTGATTTATTATTACAA--TAGTCAAACCTTTCA--ACAACGGAT	189
C.tropicalis-C9	.....--T.....	188
C.tropicalis-YZ27	.....--T.....	188
C.tropicalis-YZ1	.....--T.....	188
C.tropicalis	.....CA.....	190
C.tropicalis-PHB5	.....--T.....	171
C.sojae	.....AA.....-A.....	184
C.labiduridarum-ATCC-MYA-4368	....-TAC...CC.-.-.-.	177
C.viswanathii-CBS4024	....-CAT-ACG..T.-.-.-.	169
C.aquae_textoris-ATCC201456	....-CAT-ACG..T.-.-.-.	169
C.saraburiensis-CBS11696	....GAT.A...TA.-.-.-.	176

	-----+-----+-----+-----+-----	
	210 220 230 240 250	
	-----+-----+-----+-----+-----	
Cand-Mar.1-EG2018	CTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATAT	240
C.tropicalis-C9	.....	239
C.tropicalis-YZ27	.....	239
C.tropicalis-YZ1	.....	239
C.tropicalis	.....	241
C.tropicalis-PHB5	.....	222
C.sojae	.....	235
C.labiduridarum-ATCC-MYA-4368	.....	228
C.viswanathii-CBS4024	.....G..	220
C.aquae_textoris-ATCC201456	.....G..	220
C.saraburiensis-CBS11696	.....G..	229
	-----+-----+-----+-----+-----	
	260 270 280 290 300	
	-----+-----+-----+-----+-----	
Cand-Mar.1-EG2018	GAATTGCAGATATTCGTGAATCATCGAATCTTTGAACGCACATTGCGCCCT	291
C.tropicalis-C9	.....	290
C.tropicalis-YZ27	.....	290
C.tropicalis-YZ1	.....	290
C.tropicalis	.....	292
C.tropicalis-PHB5	..G.....G.....	273
C.sojae	.....	286
C.labiduridarum-ATCC-MYA-4368	.....	279
C.viswanathii-CBS4024	.....A.....	271
C.aquae_textoris-ATCC201456	.....	271
C.saraburiensis-CBS11696	.....	280
	-----+-----+-----+-----+-----	
	310 320 330 340 350	
	-----+-----+-----+-----+-----	
Cand-Mar.1-EG2018	TTGGTATTCCAAAGGG-CATGCCTGTTTGAGCGTCATTTCTCCCTCAAACC	341
C.tropicalis-C9	.....	340
C.tropicalis-YZ27	.....	340
C.tropicalis-YZ1	.....	340
C.tropicalis	.....	342
C.tropicalis-PHB5	.....G.....	324
C.sojae	.....	336
C.labiduridarum-ATCC-MYA-4368	.....	329
C.viswanathii-CBS4024	.....	321
C.aquae_textoris-ATCC201456	.....G..	321
C.saraburiensis-CBS11696	.....G..	330
	-----+-----+-----+-----+-----	
	360 370 380 390 400	
	-----+-----+-----+-----+-----	
Cand-Mar.1-EG2018	CCCGGGTTTGGTGTTGAGCAATACGCTA-GGTTTGTTTGAAAGAATTTAAC	391
C.tropicalis-C9	.....	390
C.tropicalis-YZ27	.....	390
C.tropicalis-YZ1	.....	390
C.tropicalis	.....	392
C.tropicalis-PHB5	.....	374
C.sojae	.TT.....-.....G.....	385
C.labiduridarum-ATCC-MYA-4368	.T.....C.....CG.--	378
C.viswanathii-CBS4024	.G.....C.....CG.--	369
C.aquae_textoris-ATCC201456	.G.....C.C.-.....A.CG.--	369
C.saraburiensis-CBS11696	.G.....TC.....TG.--	379
	-----+-----+-----+-----+-----	
	410 420 430 440 450	
	-----+-----+-----+-----+-----	
Cand-Mar.1-EG2018	GTGGAAACTTATTTT-AAGCGACTTAGGTTTATCCAAAAACGCTTATTTTG	441
C.tropicalis-C9	.....	440
C.tropicalis-YZ27	.....	440
C.tropicalis-YZ1	.....	440
C.tropicalis	.....	442
C.tropicalis-PHB5	.....T..C.....C.....	424
C.sojae	.....-..C.T.....TG...A	434
C.labiduridarum-ATCC-MYA-4368	....TTT.-T.-A.TT.....T.....-A...T--GC	421
C.viswanathii-CBS4024	....G...-..-A.T-.....CTA.....-A.GCT---	411
C.aquae_textoris-ATCC201456	.....-..-A.T-.C.....CTA.....-A.GCT---G.	411
C.saraburiensis-CBS11696	....G...G-.CCA.G..A.....CTA.....CG.A.G.T.CAGC	429

	460	470	480	490	500	510	
Cand-Mar.1-EG2018	C-TAGTGGCCACCACAATTATTTTCATAAACTTTGACCTCAAATAAGGTAG						491
C.tropicalis-C9	.-.....C.....						489
C.tropicalis-YZ27	.-.....C.....						489
C.tropicalis-YZ1	.-.....C.....						489
C.tropicalis	.-.....C.....						491
C.tropicalis-PHB5	.-.....CAT.....C.....						472
C.sojae	--.....C..T...--..CT.....C..-...						479
C.labiduridarum-ATCC-MYA-4368	TT.TA.A.AAG....T..AAC...T.A..CT.....C.....						472
C.viswanathii-CBS4024	TGC...C.G.-....C.CAGC...TC...CT.--.....C.....						459
C.aquae_textoris-ATCC201456	TGC...C.G.-....C.CAGC...TC...CT.....C.....						461
C.saraburiensis-CBS11696	TGCG.CC.A.G....C.CAAC..C....-CT.....C.....						479

	520	530	540	550	
Cand-Mar.1-EG2018	GACTACCCGCTGAACTTAAGCATATCAATAAGCGG-GGAAA				531
C.tropicalis-C9	.....A.-...				529
C.tropicalis-YZ27	.....A.....				530
C.tropicalis-YZ1	.....A.....				530
C.tropicalis	.....A.....				532
C.tropicalis-PHB5	.....A.....				513
C.sojae	.....C.G				515
C.labiduridarum-ATCC-MYA-4368	.....				507
C.viswanathii-CBS4024	.....A...				494
C.aquae_textoris-ATCC201456	.....				495
C.saraburiensis-CBS11696	.....				507