

**Dataset S1.** Orthologs of *CME5* and *CME11* in different taxa of ascomycetes and basidiomycetes.

<b>Taxa</b>	<b>Species</b>	<b>Accession numbers of <i>CME5</i> orthologs</b>	<b>Accession numbers of <i>CME11</i> orthologs</b>
Dothideomycete	<i>Coniosporium apollinis</i>	EON68481	EON63298
	<i>Rachicladosporium sp. CCFEE 5018</i>	OQO27135	OQO16684
	<i>Rachicladosporium sp. CCFEE 5018</i>	OQO27895	OQO17400
	<i>Rachicladosporium antarcticum</i>	OQO14233	OQO12922
	<i>Rachicladosporium antarcticum</i>	OQO14919	OQO08508
	<i>Neofusicoccum parvum</i>	EOD48589	EOD43014
	<i>Macrophomina phaseolina</i>	EKG12957	EKG18279
	<i>Aureobasidium melanogenum</i>	KEQ63594	KEQ60637
	<i>Hortaea werneckii</i>	OTA36491	OTA32154
	<i>Hortaea werneckii</i>	OTA22012	OTA33897
	<i>Acidomyces richmondensis</i>	KYG42476	KYG49134
	<i>Baudoinia panamericana</i>	EMC99720	EMC94550
	<i>Zymoseptoria tritici</i>	Mycgr3P83356	Mycgr3P99817
	<i>Zymoseptoria brevis</i>	KJY00759	KJY02027
	<i>Sphaerulina musiva</i>	EMF14368	EMF16273
	<i>Cercospora berteroae</i>	PPJ56840	PPJ53882
	<i>Pseudocercospora fijiensis</i>	EME83598	EME89706
	<i>Pseudocercospora musae</i>	KXT12689	KXT13491
	<i>Ramularia colloN/Acygni</i>	CZT25346	CZT20566
	<i>Dothistroma septosporum</i>	EME46807	EME48545
	<i>Elsinoe australis</i>	PSK60295	PSK51607
	<i>Paraphaeosphaeria sporulosa</i>	OAG02111	OAG06601
	<i>Corynespora cassiicola Philippines</i>	PSN65146	PSN70236
	<i>Clohesyomyces aquaticus</i>	ORY06368	ORY19717
	<i>Stagonospora sp. SRC1IsM3a</i>	OAK94245	OAL05880
	<i>Pyrenochaeta sp. DS3sAY3a</i>	OAL57311	OAL56626
	<i>Periconia macrospinosa str. DSE2036</i>	PVH93477	PVH93121
	<i>Phaeosphaeria nodorum</i>	SNOT_193	SNOT_00680
	<i>Bipolaris oryzae</i>	EUC50656	EUC47079
	<i>Bipolaris maydis C5</i>	EMD95718	EMD89665
	<i>Exserohilum turcica</i>	EOA86681	EOA81395
	<i>Stemphylium lycopersici</i>	KNG44051	KNG47499
	<i>Pyrenophora triticiN/Arepentis</i>	EDU43317	EDU50151
	<i>Pyrenophora teres</i>	EFQ88076	EFQ90217
	<i>Alternaria alternata</i>	OAG17171	OAG26302
	<i>Epicoccum nigrum</i>	OSS53010	OSS44484
	<i>Ascochyta rabiei</i>	KZM25753	KZM19646
	<i>Leptosphaeria maculans</i>	CBX91416	CBX94563

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Eurotiomycetes	<i>Paracoccidioides brasiliensis Pb18</i>	EEH48337	EEH46332
	<i>Trichophyton equinum</i>	EGE01593	EGE01263
	<i>Microsporium canis</i>	EEQ32797	EEQ35025
	<i>Nannizzia gypsea</i>	EFQ99700	EFR01917
	<i>Ascosphaera apis</i>	KZZ88599	KZZ93161
	<i>Uncinocarpus reesii</i>	EEP76913	EEP76633
	<i>Coccidioides posadasii</i>	EFW17133	EFW22203
	<i>Coccidioides immitis</i>	KMU89031	KMU91954
	<i>Polytolypa hystricis</i>	PGH01080	PGH18498
	<i>Helicocarpus griseus</i>	PGG97926	PGG99412
	<i>Emmonsia crescens</i>	KKZ63947	KKZ63983
	<i>Blastomyces dermatitidis</i>	EEQ86614	EEQ88888
	<i>Histoplasma capsulatum</i>	AGR95_023460.mR NAN/Ap1	AGR95_069230.mR NAN/Ap1
	<i>Endocarpon pusillum</i>	ERF75547	ERF74480
	<i>Phaeomoniella chlamydospora</i>	KKY24463	KKY16412
	<i>Cyphellophora europaea</i>	ETN37575	ETN37401
	<i>Rhinocladiella mackenziei</i>	KIX04475	KIX01800
	<i>Fonsecaea erecta</i>	OAP56258	OAP63462
	<i>Exophiala aquamarina</i>	KEF56573	KEF59726
	<i>Capronia epimyces</i>	EXJ87147	EXJ86952
	<i>Cladophialophora carrionii</i>	OCT50111	OCT54142
	<i>Phialophora americana</i>	KIW70394	KIW65780
	<i>Elaphomyces granulatus</i>	OXV10950	OXV09320
	<i>Paecilomyces variotii</i>	GAD93367	GAD92654
	<i>Rasamsonia emersonii</i>	KKA25105	KKA20758
	<i>Talaromyces atroroseus</i>	OKL56556	OKL56866
	<i>Talaromyces stipitatus</i>	EED16571	EED16017
	<i>Talaromyces islandicus</i>	CRG90200	CRG92196
	<i>Penicillium zonata</i>	OJJ51293	OJJ46286
	<i>Penicillium antarcticum</i>	OQD87053	OQD79521
	<i>Aspergillus oryzae</i>	BAE62872	BAE65529
	<i>Aspergillus fumigatus</i>	EDP53975	EDP48879
	<i>Aspergillus clavatus</i>	EAU11443	EAU15106
<i>Aspergillus terreus</i>	EAU29769	EAU38686	
<i>Aspergillus flavus</i>	EED49177	EED45297	
<i>Aspergillus fischeri</i>	EAU23982	EAU20078	
<i>Aspergillus fumigatus</i>	EAL87412	EAL85196	
<i>Aspergillus nidulans</i>	CBF77358	CBF84862	
<i>Aspergillus niger</i>	CAK39573	CAK42981	
Leotiomyces	<i>Oidiodendron maius</i>	KIM97879	KIN05963
	<i>Cadophora sp. DSE1049</i>	PVH87084	PVH85079

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	<i>Pezoloma ericae</i>	PMD20874	PMD24061
	<i>Rutstroemia</i> sp. NJRN/A2017a <i>BBW</i>	PQE20415	PQE13053
	<i>Glarea lozoyensis</i>	EPE30740	EPE36149
	<i>Rhynchosporium agropyri</i>	CZT03001	CZS90149
	<i>Amorphotheca resinae</i>	PSS08679	PSS22337
	<i>Diplocarpon rosae</i>	PBP20796	N/A
	<i>Diplocarpon rosae</i>	PBP24246	PBP19606
	<i>Marssonina brunnea</i>	N/A	EKD21139
	<i>Phialocephala subalpina</i>	CZR55441	CZR54323
	<i>Phialocephala scopiformis</i>	KUJ24560	KUJ20907
	<i>Botrytis cinerea</i>	Bcin05p07900.1	Bcin10p02810.1
	<i>Sclerotinia sclerotiorum</i>	EDN95887	EDN97785
	<i>Erysiphe pulchra</i>	POS84597	POS83356
	<i>Erysiphe necator</i>	KHJ32308	KHJ31349
	<i>Blumeria graminis</i>	BLGH_00182N/AmR NAN/A1	BLGH_01417N/AmR NAN/A1
Sordariomy cetes	<i>Madurella mycetomatis</i>	KXX81049	KXX82535
	<i>Chaetomium globosum</i>	EAQ83440	EAQ89113
	<i>Sordaria macrospora</i> kN/Ahell	CCC13153	CCC12246
	<i>Neurospora crassa</i>	EAA30770	EAA27888
	<i>Acremonium chrysogenum</i>	KFH43051	KFH48931
	<i>Torribiella hemipterigena</i>	CEJ94304	CEJ89505
	<i>Pochonia chlamydosporia</i>	OAQ62666	OAQ70182
	<i>Ustilagoidea virens</i>	KDB13237	KDB11749
	<i>Claviceps purpurea</i>	CCE28830	CCE31420
	<i>Moelleriella libera</i>	KZZ90188	OAA33136
	<i>Metarhizium rileyi</i>	OAA40635	OAA34546
	<i>Metarhizium acridum</i>	EFY84965	EFY84128
	<i>Stachybotrys chartarum</i>	KFA72099	KFA79519
	<i>Stachybotrys chlorohalonata</i>	KFA61828	KFA62227
	<i>Beauveria bassiana</i>	BB8028_0003g0956 0.1	BB8028_0003g11130 .1
	<i>Ophiocordyceps camponoti</i> N/Arufipedis	PHH77649	PHH69955
	<i>Ophiocordyceps australis</i>	PHH82834	PHH75571
	<i>Hirsutella minnesotensis</i>	KJZ75477	KJZ72881
	<i>Drechmeria coniospora</i>	KYK57970	KYK60126
	<i>Tolypocladium ophioglossoides</i>	KND91043	KND95273
	<i>Tolypocladium paradoxum</i>	POR39685	POR32835
	<i>Tolypocladium capitatum</i>	PNY26900	PNY26959
	<i>Purpureocillium lilacinum</i>	OAQ76647	OAQ84749
	<i>Escovopsis weberi</i>	KOS18186	KOS17861

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	<i>Trichoderma asperellum</i>	PTB43695	PTB46436
	<i>Trichoderma atroviride</i>	EHK49299	EHK41242
	<i>Trichoderma reesei</i>	EGR52968	EGR50657
	<i>Trichoderma virens</i>	EHK24198	EHK16637
	<i>Neonectria ditissima</i>	KPM35941	KPM34063
	<i>Fusarium solani</i>	NechaP85384	NechaP123140
	<i>Fusarium verticillioides</i>	N/A	FVEG_05365T0
	<i>Fusarium verticillioides</i>	FVEG_03611T0	FVEG_05364T0
	<i>Fusarium pseudograminearum</i>	EKJ75811	EKJ76608
	<i>Fusarium culmorum</i>	FCUL_07024.1N/Am RNAN/A1	FCUL_10342.1N/Am RNAN/A1
	<i>Fusarium oxysporum</i>	FOXG_05734P0	FOXG_02195P0
	<i>Fusarium fujikuroi</i>	CCT64850	CCT66230
	<i>Fusarium graminearum</i>	FGRAMPH1_01T165 71	FGRAMPH1_01T242 73
	<i>Coniochaeta ligniaria</i>	OIW23890	OIW33498
	<i>Phaeoacremonium minimum</i>	EON96199	EOO04407
	<i>Coniella lustricola</i>	PSR77148	PSS00960
	<i>Diaporthe ampelina</i>	KKY33050	KKY33820
	<i>Valsa mali var. pyri</i>	KUI57403	KUI60091
	<i>Magnaporthe oryzae</i>	mRNA_M_BR32_Eu Gene_00094361N/A p1	N/A
	<i>Magnaporthe oryzae</i>	MGG_06839T0	MGG_06380T0
	<i>Gaeumannomyces tritici</i>	EJT82518	EJT74344
	<i>Magnaporthe poae</i>	N/A	MAPG_07986T0
	<i>Eutypa lata UCREL1</i>	EMR63320	EMR70606
	<i>Pestalotiopsis fici</i>	ETS75092	ETS79870
	<i>Pseudomassariella vexata</i>	ORY57806	ORY70114
	<i>Hypoxylon sp. CIN/A4A</i>	OTB01217	OTB08324
	<i>Daldinia sp. EC12</i>	OTB19318	OTB09773
	<i>Rosellinia necatrix</i>	GAP85315	GAP86462
	<i>Sporothrix brasiliensis</i>	KIH93164	KIH94783
	<i>Sporothrix schenckii</i>	ERT01693	ERS96419
	<i>Sporothrix insectorum</i>	OAA62883	OAA55060
	<i>Grosmannia clavigera</i>	EFX04542	EFX05855
	<i>Ophiostoma piceae</i>	EPE09790	EPE08842
	<i>Ceratocystis platani</i>	KKF93314	KKF95651
	<i>Thielaviopsis punctulata</i>	KKA28569	KKA31156
	<i>Scedosporium apiospermum</i>	KEZ45887	KEZ46899
	<i>Lomentospora prolificans</i>	PKS08358	PKS06850
	<i>Verticillium longisporum</i>	CRK42202	CRK29542
	<i>Verticillium dahliae</i>	EGY15355	EGY15047

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	<i>Verticillium dahliae</i> JR2	VDAG_JR2_Chr7g0 0740aN/A00001	VDAG_JR2_Chr7g09 390aN/A00001
	<i>Colletotrichum gloeosporioides</i>	ELA28510	ELA35903
	<i>Colletotrichum higginsianum</i>	CCF35156	CCF34175
	<i>Colletotrichum graminicola</i>	EFQ33653	EFQ27168
	<i>Colletotrichum orbiculare</i>	ENH84638	ENH85212
Xylonomycetes	<i>Xylona heveae</i>	KZF24446	KZF25113
Orbiliomycetes	<i>Dactylellina haptotyla</i>	EPS41826	EPS40028
	<i>Drechlerella stenobrocha</i>	EWC43581	EWC47874
	<i>Arthrobotrys oligospora</i>	EGX48516	EGX47014
Pezizomycetes	<i>Tuber borchii</i>	PUU77132	PUU72448
	<i>Tuber magnatum</i>	PWW79156	PWW77110
	<i>Tuber melanosporum</i>	CAZ83502	CAZ85197
Saccharomycotina	<i>Kuraishia capsulata</i>	CDK25732	CDK27282
	<i>Babjeviella inositovora</i>	ODQ79190	ODQ81103
	<i>Nadsonia fulvescens</i> var. <i>elongata</i>	ODQ67364	ODQ66692
	<i>Pachysolen tannophilus</i>	ODV95945	ODV98409
	<i>Ascoidea rubescens</i>	ODV58138	ODV63540
	<i>Tortispora caseinolytica</i>	ODV91692	ODV92968
	<i>Lipomyces starkeyi</i>	N/A	ODQ71643
	<i>Hanseniaspora guilliermondii</i>	N/A	SGZ38559
	<i>Sugiyamaella lignohabitans</i>	N/A	ANB14848
	<i>Sugiyamaella lignohabitans</i>	ANB14514	ANB14847
	<i>Wickerhamiella sorbophila</i>	PRT56865	PRT56045
	<i>Metschnikowia bicuspidata</i>	OBA22139	OBA19361
	<i>Clavispora lusitaniae</i>	EEQ36821	EEQ37671
	<i>[Candida] pseudohaemulonii</i>	PSK35186.1	PSK38353.1
	<i>Suhomyces tanzawaensis</i>	ODV79240	ODV78713
	<i>Hyphopichia burtonii</i>	ODV67022	ODV67235
	<i>Spathaspora passalidarum</i>	EGW31686	EGW31090
	<i>Millerozyma farinosa</i>	CCE79344	CCE72504
	<i>Millerozyma farinosa</i>	CCE88629	CCE73070
	<i>Lodderomyces elongisporus</i>	EDK44610	EDK45846
	<i>Scheffersomyces stipitis</i>	ABN64574	ABN64379
	<i>Meyerozyma guilliermondii</i>	EDK37907	EDK38950
	<i>Debaryomyces hansenii</i>	CAR65398	CAG90927
	<i>Candida tropicalis</i>	CTRG_02455N/At43 1N/Ap1	CTRG_06068N/At43 1N/Ap1
	<i>Candida parapsilosis</i>	CPAR2_807050N/AT N/Ap1	CPAR2_502540N/AT N/Ap1
	<i>Candida albicans</i>	C3_05720C_AN/ATN /Ap1	C5_04640C_AN/ATN /Ap1

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	<i>Yarrowia lipolytica</i>	CAG79248	CAG78597
	<i>Lachancea lanzarotensis</i>	CEP62943	CEP64038
	<i>Lachancea dasiensis</i>	SCU95388	SCU79573
Saccharomycotina	<i>Kazachstania naganishii</i>	CCK68501	CCK72396
	<i>Kazachstania africana</i>	CCF59016	CCF57837
	<i>Tetrapisispora phaffii</i>	CCE62983	CCE65572
	<i>Tetrapisispora blattae</i>	CCH60292	CCH60477
	<i>Naumovozya dairenensis</i>	CCD26864	CCD23112
	<i>Naumovozya castellii</i>	CCC70125	CCC70475
	<i>Vanderwaltozyma polyspora DSM 70294</i>	EDO15218	EDO16503
	<i>Eremothecium cymbalariae</i>	AET37448	AET39781
	<i>Ashbya gossypii</i>	AAS53120	AAS50910
	<i>Eremothecium gossypii</i>	AEY97429	AEY95199
	<i>Candida glabrata</i>	CAGL0I07029gN/ATN/Ap1	CAGL0G00528gN/ATN/Ap1
	<i>Zygosaccharomyces parabailii</i>	AQZ16838	AQZ13508
	<i>Zygosaccharomyces parabailii</i>	AQZ12610	AQZ12205
	<i>Zygosaccharomyces rouxii</i>	CAR31048	CAR27823
	<i>Torulaspota delbrueckii</i>	CCE92180	CCE93426
	<i>Saccharomyces cerevisiae</i>	YGL216W	YGR270W
	<i>Brettanomyces bruxellensis</i>	EIF45371	EIF49550
	<i>Ogataea parapolyomorpha</i>	ESW99649	ESX01384
	<i>Ogataea polymorpha</i>	OBA15609	OBA15237
	<i>Pichia membranifaciens</i>	ODQ49292	ODQ45860
	<i>Pichia kudriavzevii</i>	KGK37239	KGK37068
	<i>Wickerhamomyces ciferrii</i>	CCH44210	CCH41644
	<i>Wickerhamomyces anomalus</i>	ODQ60370	ODQ58714
	<i>Komagataella phaffii</i>	AOA66149	AOA67068
	<i>Komagataella pastoris</i>	CAY68351	CAY69022
	<i>Cyberlindnera fabianii</i>	CDR38708	CDR39644
<i>Cyberlindnera jadinii</i>	CEP23379	CEP21122	
Taphrinomycotina	<i>Protomyces lactucaedebilis</i>	N/A	ORY80917
	<i>Pneumocystis carinii B80</i>	KTW26769	KTW28488
	<i>Pneumocystis jirovecii RU7</i>	KTW31950	KTW27844
	<i>Neolecta irregularis</i>	OLL25260	OLL26793
	<i>Pneumocystis murina B123</i>	EMR09100	EMR08926
	<i>Schizosaccharomyces cryophilus</i>	EPY50503	EPY49237
	<i>Schizosaccharomyces cryophilus</i>	EPY52965	EPY53323
	<i>Schizosaccharomyces octosporus</i>	N/A	EPX71462
	<i>Schizosaccharomyces octosporus</i>	EPX73981	EPX72301
	<i>Schizosaccharomyces japonicus</i>	EEB06254	EEB09484
	<i>Schizosaccharomyces japonicus</i>	EEB07251	EEB07798



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	<i>Schizosaccharomyces pombe</i>	SPBC2F12.13.1	SPBP22H7.05c.1
	<i>Schizosaccharomyces pombe</i>	SPBC1685.15c.1	SPAC31G5.19.1
Agaricomycotina	<i>Sistotremastrum niveocreum</i> HHB9708	KZS97741	KZS90890
	<i>Sistotremastrum suecicum</i>	KZT41104	KZT35228
	<i>Fibroporia radiculosa</i>	CCM01719	CCM04953
	<i>Gelatoporia subvermispora B</i>	EMD40693	EMD41130
	<i>Phanerochaete chrysosporium</i>	AGR57_2577T0N/Ap1	AGR57_2778T0N/Ap1
	<i>Phlebiopsis gigantea</i>	KIP01742	KIP07567
	<i>Daedalea quercina</i>	KZT74426	KZT74624
	<i>Fomitopsis pinicola</i>	EPS95344	EPS99772
	<i>Laetiporus sulphureus</i>	KZT12755	KZT13243
	<i>Wolfiporia cocos</i>	PCH41232	PCH41735
	<i>Postia placenta</i>	EED80779	N/A
	<i>Phlebia centrifuga</i> str. FBCC195	PSR73094	N/A
	<i>Phlebia centrifuga</i> str. FBCC195	PSR73093	PSR70646
	<i>Ganoderma sinense</i> ZZ0214N/A1	N/A	PIL36444
	<i>Dichomitus squalens</i>	EJF61268	EJF60052
	<i>Trametes coccinea</i>	OSD04294	OSD01938
	<i>Trametes cinnabarina</i>	CDO76269	CDO76348
	<i>Grifola frondosa</i>	N/A	OBZ65488
	<i>Grifola frondosa</i>	N/A	OBZ65485
	<i>Grifola frondosa</i>	N/A	OBZ65479
	<i>Grifola frondosa</i>	N/A	OBZ65477
	<i>Grifola frondosa</i>	OBZ76647	OBZ66657
	<i>Exidia glandulosa</i>	KZW04054	KZV87322
	<i>Sphaerobolus stellatus</i>	N/A	KIJ25230
	<i>Plicaturopsis crispa</i>	N/A	KII83379
	<i>Serendipita indica</i>	CCA71673	CCA68645
	<i>Serendipita vermifera</i>	KIM29533	KIM30521
	<i>Jaapia argillacea</i>	KDQ64669	KDQ53031
	<i>Tulasnella calospora</i>	KIO31083	KIO27756
	<i>Rhizoctonia solani</i>		ELU39804
	<i>Rhizoctonia solani</i>	ELU45940	ELU39803
	<i>Botryobasidium botryosum</i>	KDQ20755	KDQ07766
	<i>Punctularia strigosozonata</i>	N/A	EIN04309
	<i>Peniophora</i> sp. CONT	KZV65810	KZV64901
<i>Heterobasidion irregulare</i>	ETW83834	ETW84776	
<i>Neolentinus lepideus</i>	KZT20739	KZT23205	
<i>Gloeophyllum trabeum</i>	EPQ59379	EPQ59821	
<i>Piloderma croceum</i>	KIM83755	KIM77984	
<i>Fibularhizoctonia</i> sp. CBS 109695	KZP12090	KZP14111	

<b>Taxa</b>	<b>Species</b>	<b>Accession numbers of CME5 orthologs</b>	<b>Accession numbers of CME11 orthologs</b>
	<i>Scleroderma citrinum</i> Foug A	KIM67893	KIM62979
	<i>Serpula lacrymans</i>	EGO01696	EGO01438
	<i>Suillus luteus</i>	KIK44479	KIK35382
	<i>Pisolithus tinctorius</i>	KIO13047	KIO06726
	<i>Pisolithus microcarpus</i>	N/A	KIK10832
	<i>Pisolithus microcarpus</i>	KIK30766	KIK22454
	<i>Coniophora puteana</i>	EIW76156	EIW81740
	<i>Hydnomerulius pinastri</i>	N/A	KIJ58849
	<i>Paxillus involutus</i>	N/A	KIJ12906
	<i>Rhizopogon vesiculosus</i>	OJA15288	OJA13163
	<i>Schizopora paradoxa</i>	KLO15887	KLO08586
	<i>Moniliophthora roreri</i>	ESK97519	ESK87512
	<i>Pleurotus ostreatus</i>	KDQ29068	KDQ28800
	<i>Fistulina hepatica</i>	KIY45890	N/A
	<i>Laccaria amethystina</i>	KIK08532	KIJ96470
	<i>Amanita muscaria</i>	KIL68284	KIL57962
	<i>Amanita thiersii</i>	PFH52655	PFH47155
	<i>Hebeloma cylindrosporum</i> h7	KIM45886	KIM42662
	<i>Hypholoma sublateritium</i>	N/A	KJA26723
	<i>Hypholoma sublateritium</i>	KJA24547	KJA16093
	<i>Galerina marginata</i>	KDR83404	KDR74229
	<i>Agaricus bisporus</i>	EKM80463	EKM75062
	<i>Schizophyllum commune</i>	EFJ01966	EFI91263
	<i>Coprinopsis cinerea</i>	EAU84516	EAU82409
	<i>Cylindrobasidium torrendii</i>	KIY73808	KIY64424
	<i>Armillaria solidipes</i>	PBK69860	PBK77710
	<i>Armillaria ostoyae</i>	SJL02236	SJL04491
	<i>Armillaria gallica</i>	PBL02793	PBK96418
	<i>Termitomyces</i> sp. J132	KNZ80049	KNZ76869
	<i>Hypsizygus marmoreus</i>	RDB23217	RDB20374
	<i>Lentinula edodes</i>	GAV99415	GAW05459
	<i>Dacryopinax primogenitus</i>	EJU06219	EJU05964
	<i>Calocera cornea</i>	KZT62930	KZT51813
	<i>Calocera viscosa</i>	KZO97986	KZO93796
	<i>Cutaneotrichosporon oleaginosum</i>	KLT42998	KLT43208
	<i>Kwoniella bestiolae</i>	OCF25245	OCF27254
	<i>Cryptococcus neoformans</i>	AAW41432	AAW43293
	<i>Naematelia encephala</i>	ORY34049	ORY30784
	<i>Kockovaella imperatae</i>	ORX36676	ORX34940
	<i>Wallemia ichthyophaga</i>	EOR00793	EOR00923
	<i>Mixia osmundae</i>	GAA97376	GAA96394



<b>Taxa</b>	<b>Species</b>	<b>Accession numbers of CME5 orthologs</b>	<b>Accession numbers of CME11 orthologs</b>
Pucciniomycotina	<i>Melampsora lariciN/Apopulina</i>	EKG08420	EKG12523
	<i>Puccinia triticina</i>	N/A	PTTG_08916P0
	<i>Puccinia triticina</i>	PTTG_08274P0	PTTG_07466P0
	<i>Puccinia coronata</i>	PLW25709	PLW20127
	<i>Puccinia coronata</i>	PLW43017	PLW54704
	<i>Puccinia striiformis</i>	JGI_V11_PST130_P500825	JGI_V11_PST130_P489871
	<i>Puccinia sorghi</i>	KNZ54119	KNZ62701
	<i>Puccinia graminis</i>	EHS63723	EFP93546
	<i>Puccinia graminis</i>	GMQ_11388T0	GMQ_04304T0
	<i>Rhodotorula toruloides</i>	EGU13331	EGU13313
	<i>Rhodotorula graminis</i>	KPV78526	KPV78316
	<i>Leucosporidium creatinivorum</i>	ORY75020	N/A
	<i>Microbotryum violaceum</i>	MVLG_00229T0	MVLG_00163T0
Ustilaginomycotina	<i>Pseudomicrostroma glucosiphilum</i>	PWN23680	PWN18178
	<i>Jaminaea rosea</i>	PWN30415	PWN25435
	<i>Tilletiopsis washingtonensis</i>	PWN95366	PWN99161
	<i>Ceraceosorus guamensis</i>	PWN42631	PWN42020
	<i>Tilletiaria anomala</i>	KDN46460	KDN52879
	<i>Meira miltonrushii</i>	PWN33890	PWN36146
	<i>Acaromyces ingoldii</i>	PWN94269	PWN92347
	<i>Testicularia cyperi</i>	PWZ00726	PWY98015
	<i>Kalmanozyma brasiliensis</i>	EST07537	EST08892
	<i>Pseudozyma hubeiensis</i>	GAC96412	GAC93214
	<i>Anthracoystis flocculosa</i>	EPQ26480	EPQ27843
	<i>Moesziomyces aphidis</i>	N/A	ETS60280
	<i>Sporisorium reilianum</i>	CBQ71776	CBQ69089
	<i>Ustilago hordei</i>	CCF53483	CCF48325
	<i>Ustilago maydis</i>	KIS70390	KIS67562

N/A, not available.