

SUPPLEMENTARY TABLE III. Accession numbers for KMN network complex components in 26 fungi (see SUPPLEMENTARY TABLE I for taxonomy). Species were examined for the presence or absence of KIN proteins by blastp or tblastn searches with various settings. KMN complex proteins are overall conserved in many fungal genomes when searching with yeast, *Neurospora* or human homologs. In some cases, homologs were not identified in a specific reference genome, and in those cases the predicted protein of the nearest relative was included in the SUPPLEMENTARY TABLES (for example, *Zyoseptoria tritici* and *Z. brevis*). In many cases, annotations are clearly incorrect, and not all cases can be resolved because reliable transcription data are lacking in many (absence of RNA-seq data or low expression that makes it impossible to define likely transcription or translation units). “None” means that no clear homolog was found by searches based on sequence identity, but it does not exclude the possibility that functional homologs exist

Name	KNL1	Mis12	Mis13	Mis14	Nnf1
<i>Neurospora crassa</i> (NEUCR)	Q7SFZ1	Q7RYV6	Q1K7T2	Q7S5A3	yes*
<i>Podospora anserina</i> (PODAN)	B2AYN7	B2AXA6	B2B4H3	B2AKX5	B2AWG9
<i>Magnaporthe oryzae</i> (MAGO7)	A4QR38	A4R918	A4RHD1	A4RDQ3	A4RML9
<i>Fusarium graminearum</i> (GIBZE)	EYB33504.1	CEF74834	CEF75496	CEF86680.1	CEF84959.1
<i>Trichoderma reesei</i> (TRIQM)	XP_006966662.1	XP_006965404	EGR52604.1	EHK23452	EGR48741.1
<i>Metarhizium album</i> (META)	KHN96716.1	KHN97653	KHN96991	KHN97342	KHN99612
<i>Botryotinia fuckeliana</i> (BOTFB)	A6RKL7	A6SFF0	A6SBS9	A6S311	CCD49524.1
<i>Aspergillus nidulans</i> (ANIDU)	Q5B2K9	Q5BES0	Q5B8E3	Q5B384	Q5ATW7
<i>Talaromyces marneffei</i> (TALMA)	B6QLK0	B6QBK3	B6Q315	B6Q7H9	B6QNA6
<i>Arthroderma benhamiae</i> (ARTBC)	D4APN2	D4B149	D4B3D4	D4AYE3	D4AYL0
<i>Histoplasma capsulatum</i> (HISTO)	XP_001537465.1	XP_001542028	EDN03250.1	EDN08967.1	EGC46120.1
<i>Coccidioides immitis</i> (COCIM)	XP_001240882.1	EAS32011.3	EAS34711.3	EAS36596.3	EAS33695.3
<i>Zyoseptoria brevis</i> (ZYMBR)	KJX93450.1	KJX98470.1	KJY01405	KJX98598	KJX95618.1
<i>Leptosphaeria maculans</i> (LEPMJ)	E4ZUU9	E5A7T7	E4ZZ07	E5AF51	E4ZSY3
<i>Pyronema omphalodens</i> (PYROO)	CCX10554.1	CCX08879.1	CCX33425.1	CCX17121	CCX32879
<i>Candida albicans</i> (CANAW)	C4YSA6	C4YKQ0	C4YFE9	XP_720862	XP_718187.1
<i>Saccharomyces cerevisiae</i> (SACCE)	P53148	P39731	P40568	Q12143.1	CAA63725.1
<i>Schizosaccharomyces pombe</i> (SCHPO)	O59757	Q9Y738	Q9UUB5	Q9P6M3	Q09858
<i>Coprinopsis cinerea</i> (COPC7)	A8N175	XP_001831144	XP_001838507.2	XP_001833551.2	XP_001831419
<i>Rhizoctonia solani</i> (RHIZ)	EUC65464.1	ELU38521.1	CEL55081.1	CEL51822	CEL61827.1
<i>Cryptococcus neoformans</i> (CRYNJ)	Q5K7X6	XP_012051424	AAW44560.1	None	None
<i>Ustilago maydis</i> (USTMA)	XP_011386094.1	Q4P6T3	Q4P6C5	KIS68892.1	KIS69563.1
<i>Puccinia graminis</i> (PUCGT)	E3JT36	E3KXX0	E3JZA3	EFP90507	None
<i>Batrachochytrium dendrobatidis</i> (BATDE)	EGF80304.1 <sup>1</sup>	XP_006683107.1	XP_006680946	XP_006681741.1	XP_006679747.1
<i>Rozella allomycis</i> (ROZAC)	EPZ35395.1	EPZ34692	None	None	EPZ32908
<i>Enzophalitozoon cuniculi</i> (ENCUU)	CAD26407.1	None	None	None	None

Name	Ndc80	Nuf2	Spc24	Spc25
<i>Neurospora crassa</i> (NEUCR)	XP_957538.3	Q7S9H0	Q7S8M2	Q873B7
<i>Podospora anserina</i> (PODAN)	XP_001905932.1	B2AN20	B2AZ35	B2B1D3
<i>Magnaporthe oryzae</i> (MAGO7)	XP_003717915.1	A4RJE4	A4QW80	A4QYG6
<i>Fusarium graminearum</i> (GIBZE)	XP_011328506.1	Q4IBX0.1	Q4IBU5.1	XP_011317348.1
<i>Trichoderma reesei</i> (TRIQM)	XP_006962529.1	EGR51067.1	XP_006966085.1	XP_006966160.1
<i>Metarhizium album</i> (METAA)	KHN99044.1	KHN93762	KHN97922.1	KHN98219.1
<i>Botryotinia fuckeliana</i> (BOTFB)	XP_001552419.1	CCD52674.1	A6SIK2	A6S6H8
<i>Aspergillus nidulans</i> (ANIDU)	XP_662573.1	Q5BH14	Q5AZQ6	Q5BDI8
<i>Talaromyces marneffeii</i> (TALMA)	XP_002143648.1	B6Q5K3	XP_002145259.1	B6QRE5
<i>Arthroderma benhamiae</i> (ARTBC)	D4AMK5	D4B3K9	D4AMA3	D4B2K7
<i>Histoplasma capsulatum</i> (HISTO)	EER44958.1	EDN03007.1	XP_001538360.1	EEH06006.1
<i>Coccidioides immitis</i> (COCIM)	XP_001244123.1	EAS27931.2	XP_001245621.1	XP_001243298.1
<i>Zyoseptoria brevis</i> (ZYMBR)	KJX94426.1	KJX96517	XP_003849134.1	KJY00958.1
<i>Leptosphaeria maculans</i> (LEPMJ)	XP_003843266.1	E4ZR06	E5A6F7	E4ZRV0
<i>Pyronema omphalodens</i> (PYROO)	CCX12478.1	CCX29755.1	CCX13413.1	CCX34933.1
<i>Candida albicans</i> (CANAW)	KGT64365.1	C4YR18	KGT71177.1	C4YM28
<i>Saccharomyces cerevisiae</i> (SACCE)	NP_012122.3	P33895	Q04477	P40014
<i>Schizosaccharomyces pombe</i> (SCHPO)	NP_596392.1	Q10173	Q9UST6	Q10430
<i>Coprinopsis cinerea</i> (COPC7)	XP_001833617.2	A8N2G7	XP_001833741.1	XP_001828566.2
<i>Rhizoctonia solani</i> (RHIZS)	KEP55565.1	CEL51557.1	EUC67228.1	CCO33681.1
<i>Cryptococcus neoformans</i> (CRYNJ)	XP_570971.1	P0CP40	Q5KP59	XP_570912.1
<i>Ustilago maydis</i> (USTMA)	Q4PI15	Q4P6N9	XP_011386147.1	XP_011390060.1
<i>Puccinia graminis</i> (PUCGT)	XP_003326051.2	E3KK41	E3K761	E3JTU5
<i>Batrachochytrium dendrobatidis</i> (BATDE)	XP_006680486.1	XP_006682575.1	XP_006677654.1	XP_006676011.1
<i>Rozella allomycis</i> (ROZAC)	EPZ33202.1	EPZ35539	EPZ33389.1	EPZ34004.1
<i>Enzophalitozoon cuniculi</i> (ENCUU)	Q8SUE9	Q8SQK7	AGE95605.1	CAD26033.2

<sup>1</sup> Incomplete sequence.