

§S9. Hyphal Growth

Table §S9.1. Rho GTPases in *Aspergillus fumigatus*, *Aspergillus nidulans* and *Aspergillus oryzae*

	<i>Comments</i>	<i>A. fumigatus</i>	<i>A. nidulans</i>	<i>A. oryzae</i>
Cdc42	designated <i>modA</i> in <i>A. nidulans</i> , Genbank	57.m05868	10129.m00259	20124.m00121
BSpCdc42 ^a		2.4e-87	5.5e-88	1.3e-86
BAnCdc42		5.3e-99	1.9e-103	1.2e-99
Rac	No Rac in Sc or Sp	59.m09236	10080.m00194	20164.m00289
BPmCflB		2.5e-99	1.2e-87	1.2e-87
BAnRac		1.1e-100	2.0e-106	5.4e-90
Rho1/5	designated <i>RhoA</i> in <i>A. nidulans</i> , Genbank	69.m14857	10098.m00327	20178.m00433
BSpRho1		1.8e-82	5.1e-85	3.3e-83
BSpRho5		5.5e-81	3.3e-83	1.6e-81
BSpRho3		6.3e-48	4.3e-49	4.9e-48
BAnRho1/5		5.3e-99	2.4e-103	3.3e-97
Rho2		59.m08858	10084.m00301	20125.m00098
BSpRho2		2.5e-60	1.2e-71	1.8e-73
BAnRho2		1.1e-77	3.0e-103	8.0e-96
Rho3		59.m09201	10081.m00065	20166.m00259
BSpRho3		5.7e-47	7.4e-61	2.1e-47
BAnRho3		1.6e-67	5.1e-101	1.4e-68
Rho4		71.m15175	10047.m00059	20150.m00290
BSpRho4		1.4e-66	2.9e-66	7.8e-66
BAnRho4		6.8e-122	2.2e-139	1.5e-101
Rho6				20154.m00241
BSpRho1				1.5e-37
BScRho1				4.6e-38
BAoRho6		Rho1/5: 5.3e-41	Rac: 3.1e-33	5.6e-111

^aB denotes BLASTP query sequence, hits with lowest e values shown
Sc, *S. cerevisiae*; Sp, *S. pombe*; Pm, *P. marneffei*; An, *A. nidulans*

Table §S9.2 Rho GEFs in *Aspergillus fumigatus*, *Aspergillus nidulans* and *Aspergillus oryzae*

	<i>A. fumigatus</i>	<i>A. nidulans</i>	<i>A. oryzae</i>
Scd1 (Cdc24)	58.m07516	10096.m00053	20165.m00196
BSpScd1	4.6e-55	8.4e-63	1.9e-71
BScCdc24	3.9e-46	8.1e-47	5.5e-46
BAnScd1	0	0	0
Rgf1/2 (Rom1/2)	71.m15707	10080.m00170	20148.m00145
BSpRgf1	1.6e-245	1.1e-237	7.7e-233
BSpRgf2	4.4e-206	3.6e-201	6.5e-202
BScRom1	3.6e-126	3.8e-118	1.8e-124
BScRom2	1.3e-169	1.3e-165	8.3e-168
BAnRgf1/2	0	0	0
Rgf3	71.m15816	10132.m00137	20123.m00134
BSpRgf3	5.7e-108	2.9e-109	5.7e-66
AnBRgf3	0	0	0
Gef1/3	65.m07373	10061.m00505	20146.m00208
BSpGef1	1.9e-18	3.2e-12	2.1e-11
BSpGef3	1.1e-14	9.0e-19	1.3e-13
BAnGef1/3	0	0	0
Gef2	71.m15388	10004.m00063	20148.m00240
BSpGef2	0.00050	3.1e-08	5.0e-09
BAnGef2	4.2e-285	0	0

^aB denotes BLASTP query sequence, hits with lowest e values shown
 Sc, *S. cerevisiae*; Sp, *S. pombe*; An, *A. nidulans*.