Aspergillus fumigatus

Researcher-Strains	Genotype	Publication	Comments	Origin
JKAβ2	*yA2,methH2,ΔacvA,arqB2::pJK1{arqB+,alcA(p)-domA-acvA-lacZ}*	Kennedy, J., and G. Turner. 1996. Mol. Gen. Genet. 253:189–197.	PalcA-dom-ACV-lacZ. Conditional	
R21	*yA2,pabaA1*	Armitt et al. Journal of General Microbiology (1976), 92, 263-282		
G191	*pabaA1,pyrG89;uaY9,fwA1*	Balance et al. 1983. Biochem. Biophys. Res. Commun. 112:284-289.	pyrG recipient	
R153	*wA3,pyroA4*	Armitt et al. Journal of General Microbiology (1976), 92, 263-282		
AXB4A	*biA1,bqaO,arqB2::acvA(p)uidA ipnA(p)lacZ*	Brakhage et al. Journal of Bacteriology 1992 June; 174(11): 3789-3799	penicillin genes reporter strain	
AXB4B	*biA1,bqaO,arqB2::acvA(p)*	Brakhage et al. Journal of Bacteriology 1992 June; 174(11): 3789-3799	penicillin genes reporter strain	
G5	*pabaA1,pyrG89;uaY9,fwA1,pyrG-alcA(p)laccase*	Mander et al. Applied and Environmental Microbiology, July 2006, p. 5020-5026, Vol. 72, No. 7	regulated Stachybotrys laccase insertion; ectopic	
JMP32	*pabaA1,pyrG89;arqB2,ΔnkuB::pyrG;fwA(uaY9)(qalO)*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	arq -Ku strain	
BA3-6	*yA2;wA3;arqB2,methH2;arqB alcA(p)::bemA*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	PalcA-bemA	
BK3-15	*yA2;wA3;arqB2,methH2;ΔbemA::arqB*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	Δ-bemA	
BKK-2	*pabaA1,pyrG89;arqB2,ΔnkuB::pyrG;ΔbemA::arqB;fwA(uaY9)(qalO)*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	Δ-bemA	
BSD-5	*yA2;wA3;arqB2,methH2;arqB2 alcA(p)::ΔSH3-1bemA*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	PalcA-Δ-SH£-1 bemA	
BRG-69	*pabaA1,pyrG89;bemA::RFP pyrG;uaY9,fwA1*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	bemA-RFP	
BRN-5	*pabaA1;bema::RFP pyrG;pantoB2,prn::sGFP-TYG;(pyrG89;uaY9)*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	bemA-RFP+GFP-NLS	
SGK-2	*sepA::sGFP pyrG,pyrG89;wA3;arqB2;pyroA4,nkuA::arqB;sE15*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	SepA-GFP	
BRSG-1	*sepA::sGFPpyrG,pyrG89;wA3;bemA::RFPpyrG;sE15(arqB2;nkuA::arqB;uaY9,fwA1)*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	BemA-RFP/SepA-GFP	
BKSG-8	*sepA::sGFPpyrG89;arqB2;ΔbemA::arqB;sE15,fwA1(ΔnkuB::pyrG;nkuA;arqB;uaY9)*	Leeder and Turner. Fungal Genetics and Biology 45 (2008) 897-911	Δ-bemA/sepA1-GFP	
PSM-An(162)-7	*pabaA1,pyrG89;uaY9,fwA1;alcA(p)::ftmA*	Maiya et al. Chembiochem 2006, Vol 7, Issue 7, 1062-1069	*A. fumigatus ftmA* with *alcA* promoter.	
PSM-An(355)-7	*pabaA1,pyrG89;uaY9,fwA1;alcA(p)::ftmA alcA(p)::ftmB*	Shubha Maiya unpublished. PhD Thesis 2007. University of Sheffield	*A.fumigatus ftmA* and *ftmB* with *alcA* promoter	
PSM-An(355)-8	*pabaA1,pyrG89;uaY9,fwA1;alcA(p)::ftmA alcA(p)::ftmB*	Shubha Maiya unpublished. PhD Thesis 2007. University of Sheffield	*A.fumigatus ftmA* and *ftmB* with *alcA* promoter	
PSM-AN(355)-10	*pabaA1,pyrG89;uaY9,fwA1;alcA(p)::ftmA alcA(p)::ftmB*	Shubha Maiya unpublished. PhD Thesis 2007. University of Sheffield	*A.fumigatus ftmA* and *ftmB* with *alcA* promoter	
PSM-Af(126)-3	*pyrG; ΔpyrG::ftmA*	Maiya et al. 2006	*ftmA* (fumitremorgin) disrupted	
PSM-Af(135)-16	*pyrG; ΔpyrG ftmA*	Maiya et al. 2006	multicopy *ftmA*; brevianamide producer	
PSM-Af(670)-13	*pyrG; ΔpyrG::psoA*	Maiya et al. 2007	*psoA* (pseurotin) disrupted	
PSM-Af(418)-17	*pyrG; ΔpyrG psoA*	Maiya et al. 2007	multicopy *psoA* (pseurotin)	
Hbr1-1	*wA3;pyroA4;hbr1*	Harris et al. Genetics 139: 517-532(1994)	ts hyperbranching mutant, X R153	in Harris collection at FGSC as M4
Hbr2-1	*wA3;pyrG89;hbrA2*	Harris et al. Genetics 139: 517-532(1994)	ts hyperbranching mutant x R153. VPS33 orthologue. Vacuole defect.	in Harris collection as 1-168 VII
Hbr3-1	*wA3;pyroA4;hbrB3*	Gatherar et al. Fungal Genet Biol. 2004 Apr;41(4):463-71.Harris et al. Genetics 139: 517-532(1994) Steve Memmott unpublished 2000 University of Sheffield.	ts hyperbranching mutant, X R153	in Harris collection as 2-169 I
Hb4-1	*wA3;pyroA4;hbr4*	Harris et al. Genetics 139: 517-532(1994)	ts hyperbranching mutant, X R153	in Harris collection as 6-332 III
Hbr5	*pabaA1,biA1;hbr5*	Harris et al. Genetics 139: 517-532(1994)	original ts hypeerbranching mutant	in Harris collection as 6-190 VIII
Hbr6-1	*wA3;pyroA4;hbr6*	Harris et al. Genetics 139: 517-532(1994)	ts hyperbranching mutant, X R153	in Harris collection as 1-55 III
Hbr7-1	*fwA1;pyrG89;pabaA1;hbr7*	Harris et al. Genetics 139: 517-532(1994)	Cross Hbr-7 original x G191	in Harris collection as 2-377 III
Hbr8-1	*fwA1;pyrG89;pabaA1;hbr8*	Harris et al. Genetics 139: 517-532(1994)	Cross Hbr-8 original x G191	in Harris collection as 6-382 I
Hbr9-1	*wA3;pyroA4;hbr9*	Harris et al. Genetics 139: 517-532(1994)	ts hyperbranching mutant, X R153	in Harris collection as 1-288 III
Hbr10-1	*wA3;pyroA4;hbr10*	Harris et al. Genetics 139: 517-532(1994)	ts hyperbranching mutant, X R153	in Harris collection as 2-210 VIII
CRK-17	*wA3;pyrG89;arqB2;pyroA4,nkuA::arqB;sE15;cotA::RFPpyrG*	Johns et al. Mol. Gen. Genomics (2006) 275 : 593-604	cotA RFP	
NF1-1	*fwA1,pabaA1::alcA(p)cotA,pyr4::arqB,prnAGFP*	Johns et al. Mol. Gen. Genomics (2006) 275 : 593-604	PalcA-cotA(pMS3)unstable	
PKX23	*biA1;arqB2;qalO;arqB alcA(p)::cotA*	Johns et al. Mol. Gen. Genomics (2006) 275 : 593-604	alcA-cotA (pKO2) stable	
OliA1	*yA2,pabaA1,oliR*	Rowlands and Turner 1975	Extranuclear mutant. Useful for practical classes and heterokaryons	
T12	*fwA1;pyrG89,pabaA1,uaY9;alcA(p)::hbrB*	Gatherar et al. Fungal Genet Biol. 2004 Apr;41(4):463-71.	PalcA-hbrB (pAlcHB)	
BDA28	*fwA1,pyrG89,pabaA1,uaY9::alcA(p)bemA,pyr4*	Zarrin et al.,'2005 Fungal Genet. Biol. 42 (2005), pp. 1–8.	PalcA-3' bemA	
Kan-1	*fwA,uaY9,pyrG89,pabaA1::alcA(p)GFPacuD,pyr4*	Kanchana Weeradechapon unpublished PhD Thesis 2002. University of Sheffield.		