

Supplementary file 5. Fission yeast strains used in this study (continued)

Name	Genotype	Epiclon	Source
MSS422	h' h' leu1-32/leu1+ ade6-DN/N/ade6-DN/N ura4-DS/E/ura4-DS/E imr1L(Ncol)::ura4'/imr1L(Ncol)::ura4' otr1R(Sph1)::ade6'/otr1R(Sph1)::ade6' epe1+::kanMX6/epc1+::natMX6 ade5'/ade5Δ::hphMX6		this study
MSS424	h' h' leu1-32/leu1+ ade6-DN/N/ade6-DN/N ura4-DS/E/ura4-DS/E imr1L(Ncol)::ura4'/imr1L(Ncol)::ura4' otr1R(Sph1)::ade6'/otr1R(Sph1)::ade6' epe1+::kanMX6/epc1+::natMX6 ade5Δ::hphMX6/ade5Δ::hphMX6		this study
MSS452	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4'		this study
MSS454	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::natMX6		this study
MSS464	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::natMX6 SPCC569.06Δ::LEU2		this study
MSS470	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::natMX6 SPCC569.06Δ::LEU2-4TBS		this study
MSS473	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' kanMX6-Purg1-3xFLAG-epe1		this study
MSS503	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::natMX6	epe1Δ W-t1	this study
MSS504	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' 3xFLAG-epe1+::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5'	derived from epe1Δ W-t1	this study
MSS506	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' 3xFLAG-epe1H297A+::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5'	derived from epe1Δ W-t1	this study
MSS513	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' kanMX6-Purg1-3xFLAG-epe1+::natMX6 ade5Δ::hphMX6/ade5'	derived from epe1Δ W-t1	this study
MSS515	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::natMX6 SPCC569.06Δ::LEU2-4TBS	epe1Δ LEU2 <sup>4TBS</sup> W1-1	this study
MSS517	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' 3xFLAG-epe1+::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5' SPCC569.06Δ::SPCC569.06Δ::LEU2-4TBS	derived from epe1Δ LEU2 <sup>4TBS</sup> W1-1	this study
MSS521	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' 3xFLAG-epe1H297A+::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5' SPCC569.06Δ::SPCC569.06Δ::LEU2-4TBS	derived from epe1Δ LEU2 <sup>4TBS</sup> W1-1	this study
MSS529	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' kanMX6-Purg1-3xFLAG-epe1+::natMX6 ade5Δ::hphMX6/ade5' SPCC569.06Δ::SPCC569.06Δ::LEU2-4TBS	derived from epe1Δ LEU2 <sup>4TBS</sup> W1-1	this study
MSS532	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' epe1Δ::kanMX6/epc1Δ::natMX6 SPCC569.06Δ::SPCC569.06Δ::LEU2-4TBS	derived from epe1Δ LEU2 <sup>4TBS</sup> W1-1	this study
MSS533	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' epe1Δ::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5' SPCC569.06Δ::SPCC569.06Δ::LEU2-4TBS	derived from epe1Δ LEU2 <sup>4TBS</sup> W1-1	this study
MSS550	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' 3xFLAG-epe1+::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5' SPCC569.06Δ::SPCC569.06Δ::LEU2		this study
MSS558	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' epe1Δ::kanMX6/epc1Δ::natMX6	derived from epe1Δ W-t1	this study
MSS562	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' epe1Δ::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5'	derived from epe1Δ W-t1	this study
MSS599	h' h' leu1-32/leu1-32 ade6-m210/ade6-m210 ura4-DS/E/ura4-DS/E otr1R(Sph1)::ura4'/otr1R(Sph1)::ura4' 3xFLAG-epe1+::kanMX6/epc1Δ::natMX6 ade5Δ::hphMX6/ade5'		this study
MSS623	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' 3xFLAG-epe1+::kanMX6		this study
MSS624	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' 3xFLAG-epe1H297A+::kanMX6		this study
MSS650	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' SPCC569.06Δ::LEU2		this study
MSS705	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' bdi2Δ::natMX6		this study
MSS767	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ R1-1	this study
MSS768	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ R2-1	this study
MSS769	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ R3-1	this study
MSS770	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ W1-1	this study
MSS771	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ W2-1	this study
MSS772	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ W5-1	this study
MSS773	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ W6-1	this study
MSS774	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ W8-1	this study
MSS775	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6	epe1Δ W9-1	this study
MSS781	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' 3xFLAG-epe1H297A+::kanMX6	epe1H297A W2-1	this study
MSS795	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6 ago1Δ::hphMX6	epe1Δ ago1Δ R1-1	this study
MSS796	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6 ago1Δ::hphMX6	epe1Δ ago1Δ R2-1	this study
MSS797	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6 ago1Δ::hphMX6	epe1Δ ago1Δ W2-1	this study
MSS798	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6 ago1Δ::hphMX6	epe1Δ ago1Δ W4-1	this study
MSS805	h' leu1-32 ade6-m210 ura4-DS/E otr1R(Sph1)::ura4' epe1Δ::kanMX6 taz1Δ::natMX6	epe1Δ taz1Δ W7-2	this study

Supplementary file 5. Fission yeast strains used in this study

Name	Genotype	Epiclon	Source
FY2002	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup></i>		RC Allshire, *1
FY648	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup></i>		RC Allshire, *2
TP4-1D	<i>h<sup>r</sup> leu1-32 ade6-M210 ura4-D18 his2</i>		M Yanagida
MSS001	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6</i>		this study
MSS026	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> swi6Δ::hphMX6</i>		this study
MSS069	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6</i>	<i>epe1Δ R69</i>	this study
MSS070	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6</i>	<i>epe1Δ W70</i>	this study
MSS075	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> clr4Δ::natMX6</i>		this study
MSS103	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> ago1Δ::hphMX6</i>		this study
MSS105	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6 ago1Δ::hphMX6</i>		this study
MSS147	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6</i>		this study
MSS148	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> ago1Δ::hphMX6</i>		this study
MSS164	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6</i>	<i>epe1Δ W164</i>	this study
MSS165	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6</i>	<i>epe1Δ W165</i>	this study
MSS166	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6</i>	<i>epe1Δ W166</i>	this study
MSS173	<i>h<sup>o</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6 ago1Δ::hphMX6</i>	<i>epe1Δ ago1Δ W173</i>	this study, *3
MSS185	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> ade5Δ::hphMX6</i>		this study
MSS188	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> ade5Δ::hphMX6</i>		this study
MSS190	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> clr4Δ::natMX6</i>		this study
MSS192	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 ago1Δ::hphMX6</i>		this study
MSS220	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> clr3Δ::hphMX6</i>		this study
MSS222	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 clr3Δ::hphMX6</i>		this study
MSS224	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 clr4Δ::natMX6</i>		this study
MSS242	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> sir2Δ::natMX6</i>		this study
MSS250	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 sir2Δ::natMX6</i>		this study
MSS271	<i>h<sup>r</sup> leu1-32 ade6-DN/N ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup> gal1Δ::natMX6</i>		this study
MSS279	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> taz1Δ::natMX6</i>		this study
MSS290	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 taz1Δ::natMX6</i>		this study
MSS309	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> swi6Δ::hphMX6</i>		this study
MSS311	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 swi6Δ::hphMX6</i>		this study
MSS332	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6</i>	derived from <i>epe1Δ W70</i>	this study
MSS335	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6 ade5'/ade5Δ::hphMX6</i>	derived from <i>epe1Δ W70</i>	this study
MSS354	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6</i>	derived from <i>epe1Δ W70</i>	this study
MSS358	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6 ade5'/ade5Δ::hphMX6</i>	derived from <i>epe1Δ W70</i>	this study
MSS365	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> epe1Δ::kanMX6 ago1Δ::hphMX6 taz1Δ::natMX6</i>		this study
MSS367	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6</i>		this study
MSS371	<i>h<sup>r</sup> leu1-32 ade6-m210 ura4-DS/E otr1R(Sphl)::ura4<sup>r</sup> ago1Δ::hphMX6 taz1Δ::natMX6</i>		this study
MSS378	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6</i>		this study
MSS415	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6</i>		this study
MSS417	<i>h<sup>r</sup> h<sup>r</sup> leu1-32/leu1<sup>r</sup> ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6 ade5'/ade5Δ::hphMX6</i>		this study
MSS419	<i>h<sup>r</sup> h<sup>r</sup>, leu1-32/leu1<sup>r</sup>, ade6-DN/N ade6-DN/N ura4-DS/E ura4-DS/E, imr1L(Ncol)::ura4<sup>r</sup>/imr1L(Ncol)::ura4<sup>r</sup> otr1R(Sphl)::ade6<sup>r</sup>/otr1R(Sphl)::ade6<sup>r</sup> epe1Δ::kanMX6/epe1Δ::natMX6, ade5'/ade5Δ::hphMX6</i>		this study

\*1: [13, 28]

\*2: [29]

\*3: The mating type was converted to *h<sup>o</sup>* maybe during isolation.