

Name	Strain	Genotype
wild-type	DKB3698	<i>ho::hisG⁺, leu2::hisG⁺, ura3(ΔSma-Pst)⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3</i>
<i>dmc1-E157D</i>	DKB6342	<i>lys2⁺, ho::hisG/ho::LYS2, leu2::hisG, ura3⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, dmc1-E157D-NATMX4⁺</i>
<i>DMC1⁺/dmc1-E157D</i>	DKB6398	<i>LYS2/lys2 or LYS2, ho::hisG/ho::hisG or ho::LYS2, leu2::hisG⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)⁺, dmc1-E157D-NATMX4/DMC1⁺</i>
<i>DMC1⁺/dmc1-E157D</i>	DKB6399	<i>LYS2/lys2 or LYS2, ho::hisG/ho::hisG or ho::LYS2, leu2::hisG⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)⁺, dmc1-E157D-NATMX4/DMC1⁺</i>
<i>mei5</i>	DKB6320	<i>ho::hisG⁺, leu2::hisG⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, mei5::KANMX⁺</i>
<i>ndt80</i>	DKB3428	<i>ho::hisG⁺, leu2::hisG⁺, ura3(ΔPst-Sma)⁺, HIS4X::LEU2-(BamHI)-ura3/his4::LEU2(NgoMIV; +ori)-URA3, ndt80::KANMX4⁺</i>
<i>rad51</i>	DKB3710	<i>ho::hisG or LYS2⁺, ura3⁺, leu2::hisG⁺, HIS4::LEU2-(BamHI; +ori)/his4X::LEU2-(NgoMIV; +ori)-URA3, rad51::hisG⁺</i>
<i>rad51-Il3A</i>	DKB3689	<i>ho::hisG⁺, leu2::hisG⁺, ura3(ΔSma-Pst)⁺, HIS4-X::LEU2-(BamHI; +ori)-ura3/his4X::LEU2-(NgoMIV; +or)-URA3, RAD51-R188A, K361A, K371A-KANMX6⁺</i>
<i>rdh54</i>	DKB2526	<i>ho::LYS2⁺, lys2⁺, leu2::hisG⁺, his4-X::LEU2⁺, trp1::hisG⁺, tid1::LEU2⁺</i>
<i>spo11</i>	DKB2123	<i>ho::LYS2⁺, lys2⁺, leu2::hisG⁺, ura3⁺, his4-X/his4B, spo11::hisG-URA3-hisG⁺</i>
<i>spo11</i>	DKB2524	<i>ho::LYS2⁺, lys2⁺, leu2::hisG⁺, trp1::hisG⁺, ura3⁺, his4X::LEU2⁺, spo11::hisG-URA3-hisG⁺</i>
<i>dmc1-E157D mei5</i>	DKB6299	<i>ho::LYS2/ho::hisG, ura3⁺, leu2::hisG⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, dmc1-E157D-NATMX4⁺, mei5::KANMX⁺</i>
<i>dmc1-E157D mei5</i>	DKB6300	<i>ho::LYS2/ho::hisG, ura3⁺, leu2::hisG⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, dmc1-E157D-NATMX4⁺, mei5::KANMX⁺</i>
<i>DMC1/dmc1-E157D mei5</i>	DKB6406	<i>ho::hisG, leu2::hisG, ura3, his4-X::LEU2-(NgoMIV; +ori)-URA3/HIS4::LEU2-(BamHI; +ori), mei5::KANMX⁺, dmc1-E157D-NATMX4/DMC1⁺</i>
<i>DMC1/dmc1-E157D mei5</i>	DKB6407	<i>ho::hisG, leu2::hisG, ura3, his4-X::LEU2-(NgoMIV; +ori)-URA3/HIS4::LEU2-(BamHI; +ori), mei5::KANMX⁺, dmc1-E157D-NATMX4/DMC1⁺</i>
<i>dmc1-E157D ndt80</i>	DKB6676	<i>ho::hisG⁺, lys2⁺, leu2::hisG⁺, ura3⁺, HIS4X::LEU2-(BamHI)-ura3/his4::LEU2(NgoMIV; +ori)-URA3, ndt80::KANMX4⁺, dmc1-E157D-NATMX4⁺</i>
<i>dmc1-E157D ndt80</i>	DKB6682	<i>LYS2/lys2 or LYS2, ho::hisG/ho::hisG or ho::LYS2, leu2::hisG⁺, ura3⁺, HIS4X::LEU2-(BamHI)-ura3/his4::LEU2(NgoMIV; +ori)-URA3, ndt80::KANMX4⁺, dmc1-E157D-NATMX4⁺</i>
<i>dmc1-E157D rad51</i>	DKB6393	<i>lys2 or LYS2⁺, ho::hisG or ho::LYS2⁺, ura3⁺, leu2::hisG⁺, arg4-nsP/ARG4, his4-X::LEU2-(NgoMIV; +ori)--URA3/HIS4::LEU2-(BamHI; +ori), dmc1-E157D-NATMX4⁺, rad51::hisG⁺</i>
<i>dmc1-E157D rad51-Il3A</i>	DKB6400	<i>ho::hisG⁺, leu2::hisG⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA, RAD51-R188A, K361A, K371A-KANMX6⁺, dmc1-E157D-NATMX4⁺</i>
<i>dmc1-E157D rdh54</i>	DKB6583	<i>ho::LYS2⁺, lys2⁺, leu2::hisG⁺, his4-X::LEU2⁺, TRP1/trp1::hisG, tid1::LEU2⁺, dmc1-E157D-NATMX4⁺</i>
<i>dmc1-E157D sae3</i>	DKB6539	<i>lys2⁺, ho::LYS2⁺, leu2 or LEU2⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, dmc1-E157D-NATMX4⁺, sae3::hisG-URA3-hisG⁺</i>
<i>dmc1-E157D sae3</i>	DKB6540	<i>lys2⁺, ho::LYS2⁺, leu2 or LEU2⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, dmc1-E157D-NATMX4⁺, sae3::hisG-URA3-hisG⁺</i>
<i>spo11 dmc1-E157D</i>	DKB6419	<i>ho::hisG or ho::LYS2/ho::hisG, LYS2 or lys2/lys2, leu2::hisG⁺, ura3⁺, his4-X::LEU2-(NgoMIV; +ori)-URA3/HIS4::LEU2-(BamHI; +ori), dmc1-E157D-NATMX4⁺, spo11::hisG-URA3-hisG⁺</i>
<i>spo11 rdh54</i>	DKB2523	<i>ho::LYS2⁺, lys2⁺, ura3⁺, leu2::hisG⁺, his4-X::LEU2⁺, trp1::hisG⁺, tid1::LEU2⁺, spo11::hisG-URA3-hisG⁺</i>
<i>dmc1-E157D mei5 rad51</i>	DKB6412	<i>lys2 or LYS2⁺, ho::hisG or ho::LYS2⁺, ura3⁺, leu2::hisG⁺, arg4-nsP or ARG4/ARG4, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori), rad51::hisG⁺, dmc1-E157D-NATMX4⁺, mei5::KANMX⁺</i>
<i>dmc1-E157D mei5 rad51</i>	DKB6413	<i>lys2 or LYS2⁺, ho::hisG or ho::LYS2⁺, ura3⁺, leu2::hisG⁺, arg4-nsP/ARG4, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori), rad51::hisG⁺, dmc1-E157D-NATMX4⁺, mei5::KANMX⁺</i>
<i>spo11 dmc1-E157D mei5</i>	DKB6425	<i>ho::hisG or ho::LYS2⁺, lys2 or LYS2, leu2::hisG⁺, ura3⁺, HIS4::LEU2-(BamHI; +ori)/his4-X::LEU2-(NgoMIV; +ori)-URA3, dmc1-E157D-NATMX4⁺, spo11::hisG-URA3-hisG⁺, mei5::KANMX⁺</i>

Name	Strain	Genotype
<i>spo11 mei5 rdh54</i>	DKB6571	<i>ho::LYS2⁺, lys2⁺, ura3⁺, leu2::hisG⁺, his4-X::LEU2⁺, trp1::hisG⁺, tid1::LEU2⁺, spo11::hisG-URA3-hisG⁺, mei5::KANMX⁺</i>
two-hybrid strain	DKB6501	<i>lys2⁺, ho::LYS2⁺, URA3⁺, leu2::hisG⁺, his4-X/HIS4, trp1::hisG⁺, arg4-nsp or ARG4⁺, dmc1::ARG4⁺, rad51::hisG⁺, ndt80::KANMX⁺, LexA(op)-lacZ::URA3⁺ +pNRB729 +pNRB271</i>
two-hybrid strain	DKB6503	<i>lys2⁺, ho::LYS2⁺, URA3⁺, leu2::hisG⁺, his4-X/HIS4, trp1::hisG⁺, arg4-nsp or ARG4⁺, dmc1::ARG4⁺, rad51::hisG⁺, ndt80::KANMX⁺, LexA(op)-lacZ::URA3⁺ +pNRB727 +pNRB688</i>
two-hybrid strain	DKB6508	<i>lys2⁺, ho::LYS2⁺, URA3⁺, leu2::hisG⁺, HIS4/his4-X, trp1::hisG⁺, arg4-nsp or ARG4⁺, dmc1::ARG4⁺, :mei5::KANMX⁺, rad51::hisG⁺, ndt80::KANMX⁺, LexA(op)-lacZ::URA3⁺ +pNRB727 +pNRB271</i>
two-hybrid strain	DKB6509	<i>lys2⁺, ho::LYS2⁺, URA3⁺, leu2::hisG⁺, his4-X/HIS4, trp1::hisG⁺, arg4-nsp or ARG4⁺, dmc1::ARG4⁺, rad51::hisG⁺, ndt80::KANMX⁺, LexA(op)-lacZ::URA3⁺ +pNRB727 +pNRB271</i>
two-hybrid strain	DKB6513	<i>lys2⁺, ho::LYS2⁺, URA3⁺, leu2::hisG⁺, his4-X/HIS4, trp1::hisG⁺, arg4-nsp or ARG4⁺, dmc1::ARG4⁺, rad51::hisG⁺, ndt80::KANMX⁺, LexA(op)-lacZ::URA3⁺ +pNRB728 +pNRB271</i>
two-hybrid strain	DKB6515	<i>lys2⁺, ho::LYS2⁺, URA3⁺, leu2::hisG⁺, his4-X/HIS4, trp1::hisG⁺, arg4-nsp or ARG4⁺, dmc1::ARG4⁺, rad51::hisG⁺, ndt80::KANMX⁺, LexA(op)-lacZ::URA3⁺ +pNRB727 +pNRB267</i>