



## 主な大腸菌の遺伝子型

Strain	Genotype
AG1	<i>endA1, gyrA96, hsdR17</i> ( $r_k^- m_k^+$ ), <i>recA1, relA1, supE44, thi-1, F^-</i>
BB4	<i>galK2, galT22, hsdR514</i> ( $r_k^- m_k^+$ ), <i>lacY1, mcrA^-, metB1, supE44, supF58, trpR55, Δ(arg F-lac)U169, F'[proAB, lacI<sup>q</sup> Z ΔM15, Tn10]</i>
BL21	<i>E. coli B, F^-, dcm, ompT, hsdS</i> ( $r_B^- m_B^-$ ), <i>gal</i>
BL21 (DE3)	<i>E. coli B, F^-, dcm, ompT, hsdS</i> ( $r_B^- m_B^-$ ), <i>gal, λ</i> (DE3)
BL21 (DE3)pLysS	<i>E. coli B, F^-, dcm, ompT, hsdS</i> ( $r_B^- m_B^-$ ), <i>gal, λ</i> (DE3) [pLysS, Cam <sup>r</sup> ]
BM25.8	<i>supE44, thi, Δ(lac-proAB), [F' traD36, proAB<sup>+</sup>, lacI<sup>q</sup> Z ΔM15], λ imm434 (Kan<sup>r</sup>), P1 (Cam<sup>r</sup>), hsdR</i> ( $r_{k12}^- m_{k12}^-$ )
C600	<i>F^-, thi-1, thr-1, leuB6, lacY1, tonA21, supE44, λ^-</i>
C600(BNN93)	<i>lacY1, leuB6, mcrB<sup>+</sup>, supE44, thi-1, thr-1, tonA21, F^-</i>
C600 <i>hfl</i> (BNN102)	<i>hflA150</i> [Chr::Tn10], <i>lacY1, leuB6, mcrB<sup>-</sup>, supE44, thi-1, thr-1, tonA21, F^-</i>
DH1	<i>endA1, gyrA96, hsdR17</i> ( $r_k^- m_k^+$ ), <i>recA1, relA1, supE44, thi-1, F^-</i>
DH5	<i>desR, endA1, gyrA96, hsdR17</i> ( $r_k^- m_k^+$ ), <i>recA1, relA1, supE44, thi-1, F^-, λ^-</i>
DH5α	<i>deoR, endA1, gyrA96, hsdR17</i> ( $r_k^- m_k^+$ ), <i>phoA, recA1, relA1, supE44, thi-1, Δ(lac ZYA-argF)U169, φ80dlac Z ΔM15, F^-, λ^-</i>
DP50, <i>supF</i>	<i>F^-, tonA53, dapD8, lacY1, glnV44</i> ( <i>supE44</i> ), <i>Δ(gal-uvrB)47, λ^-, tyrT58</i> ( <i>supF58</i> ), <i>gyrA29, Δ(thyA57), hsdS3</i>
HB101	<i>ara14, galK2, hsdS20</i> ( $r_B^-, m_B^-$ ), <i>mtl-1, lacY1, leuB6, proA2, recA13, rpsL20, supE44, thi-1, xyl-5, Δ(mcrC-mrr), F^-, λ^-</i>
JM83	<i>araΔ(lac-proAB), rspL, φ80lacZ ΔM15</i>
JM101	<i>supE, thi-1, Δ(lac-proAB), [F', traD36, proAB, lacI<sup>q</sup> Z ΔM15]</i>
JM105	<i>thi-1, rpsL, endA, sbcBC, hsdR4 Δ(lac-proAB), [F' traD36, proAB, lacI<sup>q</sup> Z ΔM15]</i>
JM106	<i>e14<sup>-</sup> (McrA<sup>-</sup>), endA1, gyrA96, thi-1, hsdR17, supE44, relA1, Δ(lac-proAB)</i>
JM107	<i>e14<sup>-</sup> (McrA<sup>-</sup>), Δ(lac-proAB), thi-1, gyrA96, endA1, hsdR17, relA1, supE44, [F', traD36, proAB, lacI<sup>q</sup> Z ΔM15]</i>
JM108	<i>e14<sup>-</sup> (McrA<sup>-</sup>), recA1, endA1, gyrA96, thi-1, hsdR17, supE44, relA1, Δ(lac-proAB)</i>
JM109	<i>e14<sup>-</sup> (mcrA<sup>-</sup>), endA1, gyrA96, hsdR17</i> ( $r_k^- m_k^+$ ), <i>recA1, relA1, supE44, thi-1, Δ(lac-proAB), [F', lacI<sup>q</sup>, lacZ ΔM15, proAB, traD36]</i>
JM110	<i>rpsL</i> (Str <sup>r</sup> ), <i>thr, leu, thi-1, lacY, galK, galT, ara, tonA, tsx, dam, dcm, supE44, Δ(lac-proAB), [F', traD36, proAB, lacI<sup>q</sup> Z ΔM15]</i>
K802	<i>e14<sup>-</sup> (McrA<sup>-</sup>), mcrB1, hsdR2, galK2, galT22, supE44, metB1</i>
K803	<i>galK2, galT22, hsdS3</i> ( $r_k^- m_k^-$ ), <i>lacY1, metB1, mrr<sup>+</sup>, supE44, F^-</i>
LE392	<i>F^-, hsdR514</i> ( $r_k^-, m_k^+$ ), <i>supE44, supF58, lacY1</i> or <i>Δ(lacIZY)6, galK2, galT22, metB1, trpR55, λ^-</i>
MM294	<i>endA1, hsdR17</i> ( $r_k^- m_k^+$ ), <i>supE44, thi-1, F^-</i>
MV1184	<i>ara<sup>-</sup>, Δ(lac-proAB), Δ(srl-recA)306::Tn10, φ80dlacZ ΔM15, rpsL<sup>-</sup>, thi<sup>-</sup>, [F', lacI<sup>q</sup>lacZ ΔM15, proAB, traD36]</i>
MV1190	<i>Δ(lac-proAB), Δ(srl-recA)306::Tn10, supE, thi<sup>-</sup>, [F', lacI<sup>q</sup>lacZ ΔM15, proAB, traD36]</i>
MV1304	<i>Δ(lac-proAB), Δ(srl-recA)306::Tn10, endA, hsdR5, rpsL, sbcB15, thi, [F', lacI<sup>q</sup>lacZ ΔM15, proAB, traD36]</i>
NM538	<i>F^-, hsdR</i> ( $r_k^-, m_k^+$ ), <i>lacY, φ80r, supE, supF, trpR</i>
NM539	<i>hsdR</i> (P2 COZ), <i>supF</i>
NM522	<i>Δhsd5</i> ( $r_k^- m_k^+$ ), <i>supE, thi-1, Δ(lac-proAB), F' [proAB, lacI<sup>q</sup> Z ΔM15]</i>
NM554	<i>recA13, araD139, Δ(ara-leu)7696, Δ(lac)17A, galU, galK, hsdR, rpsL</i> (Str <sup>r</sup> ), <i>mcrA, mcrB</i>
P2392	<i>hsdR514</i> ( $r_k^- m_k^+$ ), <i>supE44, supF58, lacY, galK2, galT22, metB1, trp55, mcrA</i> (P2)
P2PLK-17	<i>PLK-17</i> (P2 lysogen)
PLK-17	<i>e14<sup>-</sup> (McrA<sup>-</sup>), mcrB1, lac, hsdR2</i> ( $r_k^- m_k^+$ ), <i>supE44, galK2, galT22, metB1</i>
PLK-F'	<i>e14<sup>-</sup> (McrA<sup>-</sup>), mcrB1, recA, lac, hsdR2</i> ( $r_k^- m_k^+$ ), <i>supE44, galK2, galT22, metB1, [F', proAB, lacI<sup>q</sup> Z ΔM15, Tn10</i> (Tet <sup>r</sup> )]
Q358	<i>hsdR<sub>k</sub><sup>-</sup>, hsdM<sub>k</sub><sup>+</sup>, supE, φ80</i>
Q359	<i>hsdR<sub>k</sub><sup>+</sup>, hsdM<sub>k</sub><sup>-</sup>, supE, φ80, P2</i>
RR1	<i>Δ(gpt-proA)62, leuB6, thi-1, lacY1, hsdS<sub>20</sub>, rpsL20</i> (Str <sup>r</sup> ), <i>ara-14, galK2, xyl-5, mtl-1, supE44, mcrB<sub>B</sub></i>
SCSI	<i>endA1, F^-, gyrA96, hsdR17</i> ( $r_k^-, m_k^+$ ), <i>λ^-, recA1, relA1, supE44, thi-1</i>
SRB	<i>e14<sup>-</sup> (McrA<sup>-</sup>), Δ(mcrCB-hsdSMR-mrr)171, sbcC, recJ, uvrC, umuC,::Tn5</i> (Kan <sup>r</sup> ), <i>supE44, lac, gyrA96, relA1, thi-1, endA1, [F', proAB, lacI<sup>q</sup> Z ΔM15]</i>
SRB(P2)	<i>SRB</i> (P2 lysogen)

Strain	Genotype
TKX1	$\Delta(mcrA)183, \Delta(mcrCB-hsdSMR-mrr)173, endA1, supE44, thi-1, recA1, gyrA96, relA1, lac$ [F' <i>proAB, lacI<sup>q</sup></i> Z $\Delta$ M15, Tn5(Kan <sup>r</sup> )] [pTK Tet <sup>r</sup> ]
TKB1	F <sup>-</sup> , <i>dcm</i> <sup>-</sup> , <i>ompT, hsdS</i> ( <i>r<sub>h</sub></i> <sup>-</sup> <i>m<sub>h</sub></i> <sup>-</sup> ), <i>gal, <math>\lambda</math></i> (DE3) [pTK Tet <sup>r</sup> ]
Y1088	<i>e14<sup>-</sup> (McrA<sup>-</sup>), <math>\Delta(lac)U169, supE, supF, hsdR, metB, trpR, tonA21, proC::Tn5(Kan<sup>r</sup>)</math></i> [pMC9, Amp <sup>r</sup> , Tet <sup>r</sup> ] (Note:pMC9 is pBR322 with <i>lacI<sup>q</sup></i> inserted.)
Y1089	$\Delta(lac)U169, \Delta(lon), araD139, strA, hflA150,::Tn10(Tetr)$ [pMC9, Amp <sup>r</sup> , Tet <sup>r</sup> ] (Note:pMC9 is pBR322 with <i>lacI<sup>q</sup></i> inserted.)
Y1089r-	Y1089, <i>mcrB</i>
Y1090	$\Delta(lac)U169, \Delta(lon), araD139, strA, supF, mcrA, trpC22,::Tn10(Tetr)$ [pMC9, Amp <sup>r</sup> , Tet <sup>r</sup> ] (Note:pMC9 is pBR322 with <i>lacI<sup>q</sup></i> inserted.)
Y1090r-	Y1090, <i>mcrB, hsdR</i>