

# 常用大肠杆菌 (K-12株来源) 的基因

Strain	Genotype
BB4	supF58, supE44, hsdR514, galk2, galT22, trpR55, metB1, tonA, ΔlacU169/F' [proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15Tn10 (tet <sup>r</sup> ) ]
BL21 (DE3)	F <sup>-</sup> , ompT, hsdS <sub>8</sub> (r <sub>8</sub> <sup>-</sup> m <sub>8</sub> <sup>-</sup> ), gal (λ c l 857, ind1, Sam7, nin5, lacUV5-T7gene1), dcm (DE3) (B株来源)
BM25.5	F <sup>-</sup> , λ imm <sup>434</sup> kan <sup>r</sup> , (P1), cm <sup>r</sup> , r <sub>k</sub> <sup>-</sup> m <sub>k</sub> <sup>+</sup> , tet <sup>r</sup>
BMH71-18mutS	Δ (lac-proAB), supE, thi, mutS215 :: Tn10 (tet <sup>r</sup> ) /F' (traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15)
BW313	HfrKL16PO/45 [lys (61-62) /dut1, ung1, thi-1, relA1]
C-la	A wild type strain (C strain) (C株来源)
C600	supE44, hsdR, thi-1, thr-1, leuB6, lacY1, tonA21
CJ236	dut1, ung1, thi-1, relA1/pCJ105 (F'cam <sup>r</sup> )
DH1	supE44, hsdR17, recA1, endA1, gyrA96, thi-1, relA1
DH5	supE44, hsdR17, recA1, endA1, gyrA96, thi-1, relA1
DH5α	F <sup>-</sup> , φ80d/lacZΔM15, Δ(lacZYA-argF) U169, deoR, recA1, endA1, hsdR17(r <sub>k</sub> <sup>-</sup> m <sub>k</sub> <sup>+</sup> ), phoA, supE44, λ <sup>-</sup> , thi-1, gyrA96, relA1
DP50supF	supE44, supF58, hsdS3 (r <sub>8</sub> <sup>-</sup> m <sub>8</sub> <sup>-</sup> ), dapD8, lacY1, glnV44, Δ (gal-uvrB) 47, tyrT58, gyrA29, tonA53, Δ (thyA57)
ED8654	supE, supF, hsdR, metB, lacY, gal, trpR
ED8767	supE44, supF58, hsdS3 (r <sub>8</sub> <sup>-</sup> m <sub>8</sub> <sup>-</sup> ), recA56, galk2, galT22, metB1
ER1647	F <sup>-</sup> , trp-31, his-1, rpsL104 (str <sup>r</sup> ), fhuA2, Δ (lacX) r1, supE44, xyl-7, mtl-2, metB1, recD1014, mcrA1272 :: Tn10, Δ (mcrB, hsdRMS, mrr) 102 :: Tn10 (tet <sup>r</sup> )
HB101	supE44, Δ(mcrC-mrr), recA13, ara-14, proA2, lacY1, galk2, rpsL20, xyl-5, mtl-1, leuB6, thi-1
HMS174	F <sup>-</sup> , recA1, hsdR, Rif <sup>r</sup>
JM83	F <sup>-</sup> , ara, Δ (lac-proAB), rpsL (φ80 lacZΔM15)
JM101	supE, thi, Δ (lac-proAB) /F' [traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
JM105	endA1, supE, sbcB15, thi, rpsL, Δ (lac-proAB) /F' [traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
JM106	F <sup>-</sup> , endA1, gyrA96, thi, hsdR17, supE44, relA1, Δ (lac-proAB)
JM107	endA1, gyrA96, thi, hsdR17, supE44, relA1, Δ (lac-proAB) /F' [traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
JM108	F <sup>-</sup> , recA1, endA1, gyrA96, thi, hsdR17, supE44, relA1, Δ(lac-proAB)
JM109	recA1, endA1, gyrA96, thi-1, hsdR17(r <sub>k</sub> <sup>-</sup> m <sub>k</sub> <sup>+</sup> ), e14 <sup>-</sup> (mcrA <sup>-</sup> ), supE44, relA1, Δ(lac-proAB) / F'[traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
JM110	dam, dcm, supE44, hsdR17, thi, leu, rpsL1, lacY, galK, galT, ara, tonA, thr, tsx, Δ(lac-proAB) /F[traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
K802	F <sup>-</sup> , lacY1 or Δ (lac I <sup>q</sup> -Y) 6 (lac-3), supE44, galk2, galT22, mcrA, rfbD, metB1, mcrB1, hsdR2
K803	F <sup>-</sup> , lacY1 or Δ (lac I <sup>q</sup> -Y) 6 (lac-3), supE44, galk2, galT22, mcrA, rfbD, metB1, mcrB1, hsdR3
LE392	supE44, supF58, hsdR514, galk2, galT22, metB1, trpR55, lacY1
MC1061	hsdR, mcrB, araD139, Δ (araABC-leu) 7679, ΔlacX74, galU, galK, rpsL, thi
MV1184	ara, Δ(lac-proAB), rpsL, thi(φ80 lacZΔM15), Δ(srl-recA) 306 :: Tn10 (tet <sup>r</sup> ) /F'[traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
MV1193	Δ(lac-proAB), rpsL, thi, endA1, sbcB15, hsdR4, Δ(srl-recA) 306 :: Tn10 (tet <sup>r</sup> ) /F'[traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
NovaBlue	endA1, hsdR17, (r <sub>k</sub> <sup>-</sup> m <sub>k</sub> <sup>+</sup> ), supE44, thi-1, gyrA96, relA1, lac, recA1/F', [proAB <sup>+</sup> , lac I <sup>q</sup> ΔM15, Tn10 (tet <sup>r</sup> ) ]
RR1	supE44, hsdS20, ara-14, proA2, lacY1, galk2, rpsL20, xyl-5, mtl-1
TAP90	supE44, supF58, hsdR, pro, leuB, thi-1, rpsL, lacY1, tonA1, recD1903 :: mini-tet
TG1	supE, hsdΔ5, thi, Δ(lac-proAB) /F' [traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
TG2	supE, hsdΔ5, thi, Δ (lac-proAB) Δ (srl-recA) 306 :: Tn10 (tet <sup>r</sup> ) /F' [traD36, proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15]
TH2	supE44, hsdS20 (r <sub>8</sub> <sup>-</sup> m <sub>8</sub> <sup>-</sup> ), recA13, ara-14, proA2, lacY1, galk2, rpsL20, xyl-5, mtl-1, thi-1, trpR624
XL1-Blue	hsdR17, supE44, recA1, endA1, gyrA46, thi, relA1, lac/F' [proAB <sup>+</sup> , lac I <sup>q</sup> , lacZΔM15 :: Tn10 (tet <sup>r</sup> ) ]
x1776	F <sup>-</sup> , thuA53, dapD8, minA1, minB2, rfb-2, glnV44 (supE44), Δ(gal-uvrB) 47, tyrA142, gyrA29, oms-2, metC65, osm-1 (tte -1), Δ (bioH-asd) 29, cycA1, cycB2, hsdR2
Y-1088	F <sup>-</sup> , ΔlacU169, supE, supF, hsdR, metB, trpR, fhuA21, proC :: Tn5/pMC9*
Y-1089	F <sup>-</sup> , ΔlacU169, lon-100, araD139, rpsL, hflA150 [chr :: Tn10/pMC9*]
Y-1090	F <sup>-</sup> , ΔlacU169, lon-100, araD139, rpsL, supF, mcrA, trpC22 :: Tn10/pMC9*

绿字表示Takara销售的感受态细胞菌株

\* pMC9 is pBR322 with lac I<sup>q</sup> inserted.

## 参考文献

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