

M 2095 | $anA1\ adE20\ biA1; A_{cr}A1; fwA2$

M 1994 |

$riboA1\ adE20\ biA1; A_{cr}A1; fwA2$

(cross
x
1810)

M 2028 |

$galD5\ anA1\ pabaA1; A_{cr}A1; sD85\ facC102$

(cross
1844 x)

#187 = M1079 *
 $pabaA1\ yA2$

M 1311 |

$riboA1\ adE20\ biA; A_{cr}A1; lysB5; fwA2$

(cross
1807)

M 2027 | = #427
 $pabaA1; A_{cr}A1; sD85\ facC102$

M 1996 | = #420
 $galD5\ anA1; biA1; chaA1$

(cross
795 x)

#371 = M1318 /
 $A_{cr}A1\ lysB5\ fwA2$

M 137 | $riboA1\ adE20\ biA1 *$

from cross KK
see sister strain #71 = M159

uv of #26 $biA1$

Strain $riboA1\ biA1$ #158 = M827

and its descendants (esp. #187 = M1079 $pabaA1\ yA2$) differ from
(some of?)

#26 $biA1$ or wild type (#4)
for penicillin production

(Alan Uphall; personal communication)

replacement available

from cross of Back cross strain

#85 = M765

$adG14\ proA1\ pabaA1\ yA2; wA3; (ve^+)$

(cross
2515 x)

#26 = M804 | $biA1\ (ve)$

M 2600 |

$pabaA1\ yA2\ (2515.3.1)$