Origin of strains

am^1 (FGSC#1184) X pe,fl (FGSC# 569)

am^1;pe,fl (25)

ultraviolet light treatment

am^1; pe, en-am, fl (C24) X inos (FGSC# 925)

am^1; pe, en-am (8-28)

several colonies isolated which grew normally on minimal and had active TPN-glutamate dehydrogenase; designated am^{1R} since reversion at the am locus was indicated.

am^{1R};pe, en-am (29-32) X am^1 (FGSC# 1184)

am^{1R}; pe, en-am (76-3) X am^1 (FGSC #1184)

am^1;pe,en-am (95-11) a

Growth Characteristics

Strains carrying the en-am locus grow normally on minimal medium; but strains carrying this locus in combination with am-1 alleles require large amounts of L-alanine (25 mM) for good growth—they grow very well on casein hydrolysate (0.5% -Difco).

The am^1;en-am strains are rather unstable on suboptimal medium and revertants with wild type growth are frequently observed. Backmutation at the am^1 locus is a likely explanation of this. The rather high incidence of revertant colonies is seen because of the strong selection for growth on suboptimal medium.