

7/20/54

Josh:

All of these cultures are descendants of 4 of Mrs. Lindgren's cultures, 11911, 11914, 2154, 8456 and the cytochrome-(glycine) deficient mutant of 8456, 8456-W-1. Except for these four cultures, for which I've given Mrs. Lindgren's determination of their genotype, the genotype of the various segregants is given only when the culture has been tested for those characters.

The pedigrees were copied from very rough notes - so they're rough too - the designations for cytochrome may be confusing - "c" is the glycineless mutant, with a faint c band if any, and C the normal. Cultures 25.1, 108.31D and 108.3P-2 are cytoplasmic petites, genetically C. 108.3N is normal with respect to cytochrome. 108.3 Pink A - is an adenine-deficient pink mutant of 108.3. 54.2 LA is a normal back mutant of the originally mutant segregant 54.2 (c), and apparently the same allele as in the normal parent and the rest of these pedigrees. Cultures are normal for cytochrome unless otherwise indicated.

CF