in 3110 (2n)

M3634 (from diploid 3103) chromosome IV not marked → ± ssbA1 (p = 1/4)

2n 3103 — M3550 (from diploid 3114) / M3592 (from diploid 3101)

M3550: + pabaA1 + AcrA1 + ActA1 + / + musN227 + riboB2 chaA1 / sB3 + choA1 + +

M3592: urvsF201 + yA2 + urvsI501 + ∧ nicA2 (± ssbA, p = 1/2)

γ rays of A605 (see from cross 2439)

M2757 / M2233 = A473: T2(1;III) biA1, AcrA1 nicA2; musN227

diploid 3114 = M2797 (from 2n 2667) / M2817 (from 2n 2600b)

M2797: SulA1 + adE20 AcrA1 ActA1 pyroA4 ssbA1 facA303 musN227 + riboB2 chaA1

M2817: + pabaA1 + AcrA1 ActA1 + + + choA + +

see A830 — same origin

diploid 3101 — A825 (M3471) / M3558

A825: + suA1 adE20 + adE20 biA1 urvsI501 + + ssbA1 + sB3 + choA1 chaA1

M3558: urvsF201 + yA2 + + + galA1 ActA1 + nicA2 + sbA3 + +

from cross 2655

Cross 2655 = A567 / 2765

A567: orig. UV induced urvsF in M1265 = A361; urvsF201 (M1392) riboA1 yA2

2765 — from cross 2323

Cross 2323 — also see A642

A500 (M2283): biA1; methG1; nicA2; sbA3; malA1

× M2171: pabaA1 yA2; wA3; sC12 galA1 ActA1

from cross 1837 → see A642 / A448 for pedigree