

uvs-3 (ALS-11)

Complete pedigree

Back crosses to G. Lawrence

Wild type

(semi-lethal (sle)
thin spreads
growth (su-sm,
velvety + dw)

Back crosses

I: 331 15/a uvs-3 (su-sm, sle, ve)

{ all A crossed to M/a (#2490),
all a to M/A (#2489),
unless indicated otherwise }

C = cross numbers
M = Montreal silica gel M/s

II: 332 (331 rec) a uvs-3 (M/a)

208/A uvs+ nuc-? (in 343) discant.
207/a uvs+ nuc+ (sle? su-sm?) in 330 discant.

III: 209/A uvs-3 (su-sm, ve)
333 Ascii -> 2 whole

268/A & 269/A uvs-3 (sle? su; ve?)
340 341 339

IV: 274/A x 12/a uvs-3 (su-sm) 75%
334 7 whole Ascii
Tetrapype Ditype

275/A uvs-3 (ve) 345
326/A uvs-3 (sle?)
327/A uvs-3 (sle?)
273/A uvs-3 (su-sm) 350
6 Ascii Tetra types Ditypes
323/A uvs-3 (su-sm)

279/A uvs-3 (very large) in 349 discant.

278/A uvs-3 (± su?) 348
med. size on DNA
321/A uvs-3 (± large) 322
morph
280/A uvs-3 (single) 338
328/A uvs-3 (single) 329
319/A uvs-3 (± sim) 319
320/A uvs-3 (± sim) 320

V: 316/A uvs-3 (single?) 335
2 ascii 12 < 20%
all ± of DNA

317/A uvs-3 (su-sm) 1337
9 Ascii some Tetra types
325/A uvs-3 (su-sm?) 1345
5 Ascii some Tetra types
324/A uvs-3 (single?) 1344
single likely
(E.4) a single likely

VI: 384/A uvs-3 (single?) 336
random spores 82%
minor morph/±

381/A uvs-3 (su-sm) 1331
random spores 84%
382/A uvs-3 (intermed.) 1332
discant.

VII: 458/A uvs-3 (336.8) x 11/A (336.5) 337b
2 whole Ascii + 3 ± ~40%
459/A uvs-3 (su-sm) 1339b
30 Ascii isolated no growth of any

Key: Ascii kept -> Photos

- 334 F Tetra type
- 338 E Ditype (sing)
- 345 F Tetra type incl. ve endw
- 1345 B Tetra type
- 1344 E Ditype (sing)
- 1337 B Ditype (double)
- 337 Ditype single

final crosses

VIII: C.I. M 504/a 1346
very poor disc. sub ± OK
x 528/A (6.v.3)

Y.C.8 A x 527/a (E.4) 1352
90%
Tetrapypes NPD
D2 E2 3-
J4 E2 3-
6 3-
8 5-
7-
*UV also tested.

547/A x 528/A (B.4) 1347
70%
D1 3 5 7

528/A x 550/a (B.4) 1350
62%
Tetra types
D1 B 2 556
D2 3 5 7 8
*UV

527/A x 528/A (B.8) 1351
60%
D1 B 2 556
D2 3 5 7 8
*UV

548/A x 528/A (C.I.) 1348
40%
good sub
40% asci
single
K1 B 3 2 3 4 5 4 7 5

549/A x 528/A (B.5) 1349
75%
morph/±
Tetrapype
C1 3 3 5 7
*some + UV

Total: 29 crosses uvs-3 x +

553/A E.3 554/A should be good strains

X B.2 556/a # 4175

6.5 555/A from NPD
ascus P -> 349/a
-> FGSC # 4174