

fatty acid de novo, which is less than cel synthesizes. Like cel, they synthesize unusual 20-carbon polyunsaturated fatty acids that wild type makes at only trace levels. Enclosed is a figure showing the fatty acids synthesized by these lines, cel and wild type.

By a heterokaryon test with cel and either MB 19 or 26 (mating type a), the mutants are non-allelic with cel. I had no luck in mapping the mutants by further crosses. I got apparent linkage to at least 3 of the alcoy;csp-2 markers. The fatty acid requirement was stable in this subsequent cross. Perhaps the lines I used (MB 5, 17 and 27, all mating type A) still have a second copy of the beta-FAS gene, and further RIP'ing is occurring. MB 5 and 17 are non-conidiating, suggesting RIP'ing outside of the region of FAS sequence. I am attempting to do some Southern analyses of these mutants.

We hope to publish something on these mutants soon, and will send any publications once available.

Sincerely,



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