(a) Visual Screens

- Solid medium (2969 different gene deletions)
- Exponential liquid culture (239 different gene deletions)
- Cell size measurement in exponentially growing cultures (68 different gene deletions)

18 small size mutants

(b) Cell length at division (µm)

(c) wild type  ski3Δ zfs1Δ  ski3Δ zfs1Δ ppa2Δ  ski3Δ zfs1Δ ppa2Δ snf5Δ  ski3Δ zfs1Δ ppa2Δ snf5Δ clp1Δ

14.3 ± 0.9  11.4 ± 0.5  9.6 ± 0.6  8.4 ± 0.5  7.2 ± 1.3

(d) empty vector

10.6 ± 2.3

oe ski3

17.0 ± 6.2

oe snf5

15.4 ± 3.5