

Carey et al. Vol. 133, No. 5, June 1996. Pages 985–996.

The following is an addendum for the article mentioned above.

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We recently found by automated sequencing of the Ran mutant L43E that the open reading frame contains a second mutation, E46G. This mutation was not apparent by manual sequencing because of a compression and ghost banding in this region. The L43E mutant described in the paper should therefore be referred to as L43E/E46G. We have created single point mutations to produce the L43E and E46G Ran proteins. These two proteins possess biochemical characteristics in vitro that are virtually indistinguishable from each other or from the double mutant. In the GR-GFP nuclear transport assay, the E46G single mutant behaved like the double mutant and did not inhibit nuclear accumulation of GR-GFP in response to dexamethasone. The L43E single mutant partially inhibited nuclear accumulation. These new results do not in any way alter the conclusions of the paper, regarding either the role of Ran in nuclear import or the evidence that Ran mediates another function essential to cell viability that is independent of nuclear protein import.