

## A new morphological marker in Neurospora

J. Morrow

Follow this and additional works at: <https://newprairiepress.org/fgr>



This work is licensed under a [Creative Commons Attribution-Share Alike 4.0 License](https://creativecommons.org/licenses/by-sa/4.0/).

---

### Recommended Citation

Morrow, J. (1962) "A new morphological marker in Neurospora," *Fungal Genetics Reports*: Vol. 1, Article 21. <https://doi.org/10.4148/1941-4765.1035>

This Linkage Data is brought to you for free and open access by New Prairie Press. It has been accepted for inclusion in Fungal Genetics Reports by an authorized administrator of New Prairie Press. For more information, please contact [cads@k-state.edu](mailto:cads@k-state.edu).

---

## A new morphological marker in Neurospora

### Abstract

A new morphological marker in Neurospora

Morrow, John. A new morphological marker in Neurospora.

characterized by small, spherical colonies which are densely packed and form no aerial hyphae. The linkage data are as follows:

A morphological mutant Igloo, which arose through ultraviolet treatment, has been mapped and assigned to linkage group I. Igloo is

Cross	<u>Igloo</u> , <u>al-2</u>	x + +
PD	NPD	TT
8	1	7

The criterion used for linkage was a ratio of parental ditypes to non-parental ditypes significantly in excess of one to one. Applying the chi-square test gives a probability of about .02. Several asci from the above cross were tested for mating type and on the basis of these considerations Igloo appears to be located to the left of al-2 on chromosome I. Igloo could be allelic or identical to the morphological mutant Cushion, isolated by P. St. Lawrence (unpublished), but no evidence is available on this point.