

DNAs from the following clones of pMauriceville- a 3.6 kb dsDNA plamid found in the Mauriceville (FGSC 2225) strain (ref 1) and pVarkud- a 3.7 kb dsDNA plasmid in the Varkud strain of *N. intermedia* (FGSC 1823; ref 2). I've included clones are 'full-length', as they would seem to be most useful- whoever plans to use them will most likely want to subclone the plasmid sequences into a more convenient vector.

- "pMHE+A" is a Mauriceville clone that extends from the HindIII site at position 2728 to the EcoRI site at position 392 and has the entire plasmid inserted at the Apal site at position 2900. Thus, it is more than full length. It is in pBluescribe and has a concentration of 2.5 ug/ul. I created this clone with in Alan Lambowitz's lab (ref 3). *AMP*
- pV2 is one of the original clones (made by Bob Akins in the Lambowitz lab) that has the entire Varkud plasmid cut at the BglII site (position 1) into the BamHI site of pBR322. Yes, pBR322! *AMP*

References:

1. Collins RA, Stohl LL, Cole MD, Lambowitz AM. Characterization of a novel plasmid DNA found in mitochondria of *N. crassa*. 1981. *Cell*. 24(2):443-52. PubMed PMID: 6263496.
2. Akins RA, Grant DM, Stohl LL, Bottorff DA, Nargang FE, Lambowitz AM. 1988. Nucleotide sequence of the Varkud mitochondrial plasmid of *Neurospora* and synthesis of a hybrid transcript with a 5' leader derived from mitochondrial RNA. *J Mol Biol*. 204(1):1-25. PubMed PMID: 3216387.
- 3: Kennell JC, Wang H, Lambowitz AM. 1994. The Mauriceville plasmid of *Neurospora* spp. uses novel mechanisms for initiating reverse transcription in vivo. *Mol Cell Biol*. 14(5):3094-107. PubMed PMID: 8164665; PubMed Central PMCID: PMC358677.

THANKS again for your very generous offer to collaborate and I look forward to analyzing the sequencing results.

Best,



Jack Kennell

314-977-3905

kennellj@slu.edu