

List of *Aspergillus niger* strains for deposit at FGSC (Kafer Lab, SFU; Febr.1996)

Four types of strains are being deposited at FGSC:

- i) mutations in new genes,
- ii) strains with more than one marker on a chromosome (i.e. rare crossovers)
- iii) strains suitable for transformation
- iv) strains for mitotic mapping

EK numbers = chronological numbers for our stocks in silicagel

Roman numerals in genotypes indicate Linkage groups of each marker.

Note:

- a) All *A.niger* strains and progeny currently used for genetic analysis carry *cspA1*.
- b) When the cloning of genes identifies *A. niger* genes as homologous to those of *A. nidulans* a change in terminology is made to indicate such findings; therefore *pyrA1*(5,6) => **pyrG1**(5,6); *argB2* => **argL2**, a new mutation is **argB13**; *niaA2* => **niaD2**.
Only the new Terminology is shown.
- c) Mutants growing on proline are all called **pro**, even if they also grow on arginine &/or ornithine; all other mutants growing on arginine are called **arg**, whether they grow on ornithine or citrulline or not.

FGSC #	Our sg No.	G e n o t y p e	Origin: 2n or # of strain of origin
i) Mutations in new genes (or new alleles)			
A954	EK053	<i>cspA1</i> ; (I) <i>acrA1</i> * <i>brnA2</i> ; (III) choA101 ; (V) <i>nicA1</i>	(UVof N724)
A955	EK054	<i>cspA1</i> ; (I) <i>acrA1</i> <i>brnA2</i> ; (III) cysA101 ; (V) <i>nicA1</i>	(UVof N724)
A956	EK163	<i>cspA1</i> ; (I) <i>fwnA1</i> ; (III) <i>choA101</i> ; (IV) thiB101 ; (VI) <i>pdxA2</i>	(UVof EK132 from 2n 006)
A957	EK164	<i>cspA1</i> ; (I) <i>fwnA1</i> ; (III) <i>choA101</i> ; (VI) <i>pdxA2</i> ; (VII) nicB101	(UVofEK132)
A958	EK211	<i>cspA1</i> ; (I) <i>fwnA1</i> ; (IV) <i>leuA1</i> ; (VI) <i>pdxA2</i> ; (VII) sftC102 (<i>se^r</i> =selenate resist.)(X-ray of EK146)	
A959	EK217	<i>cspA1</i> ; (I) (<i>acrA1</i>)* <i>brnA2</i> ;(III) <i>choA101</i> ;(VI) <i>pdxA2</i> ; (?) sftB103 (<i>se^r</i>)	(DEO of EK133)
* <i>acrA1</i> is closely linked to <i>brnA2</i> , and no crossovers were encountered; (<i>acrA1</i>) means not retested.			
ii) Double mutants in same chromosome (rare crossovers)			
A960	EK189	<i>cspA1</i> ; (I) <i>fwnA1</i> ; (III) <u><i>pyrG5</i></u> <i>choA101</i> ; (VII) <i>nicB5</i>	(042.5.8)
A961	EK196	<i>cspA1</i> ;(I-V) <i>acrA1</i> <i>brnA2</i> ; <i>fpaD19</i> ; <u><i>choA101</i></u> <i>lysA14</i> ; (\pm <i>ntrB3</i>); <i>metB11</i> ; (VII) <i>nicB101</i>	(037.1.6)
A962	EK200	<i>cspA1</i> ; (I-IV) <i>fwnA1</i> ; <i>fpaD19</i> ; <i>lysA14</i> ; <u><i>ntrB3</i></u> <u><i>thiB101</i></u> ; (VII) <i>oliC2</i>	(036.2.19)
A963	EK218	<i>cspA1</i> ; (I) <i>fwnA1</i> ; (III) <i>choA101</i> ; (VI-VIII) <i>pdxA2</i> ; <u><i>oliC2</i></u> <u><i>sftC101</i></u> ; <i>crnB12</i>	(052.2.2)