

Allelism testing of miscellaneous stocks in Maize COOP phenotype only collection.

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This report summarizes recent allele testing of miscellaneous stocks characterized by phenotype only in the Maize Genetics COOP Stock Center collection. Crosses were made between known heterozygotes where possible. Plants from the *indeterminate1*, *lazy1*, and *ramosa* crosses were scored in the field at maturity. Kernels were scored on the ear for the *etched1* and *viviparous* crosses. Kernel samples from the *etched1* crosses were planted in sand benches to confirm virescent phenotype. New designations have been assigned to these alleles. These stocks have been increased and placed on our stock list. It is expected that with further sorting and allelism testing of mutations characterized by phenotype only, additional alleles of characterized mutants will be discovered and placed in the main collection.

Data from the *etched1* and *viviparous* crosses were compiled by Janet Day Jackson before her sudden and untimely death.

<u>previous designation</u>	<u>tested against</u>	<u>new designation</u>	<u>MGCSC stock number</u>
<i>id</i> *-PI245132	<i>idl</i>	<i>idl</i> -PI245132	132A
<i>la</i> *-N2333B	<i>lal</i>	<i>lal</i> -N2333B	403E
<i>la</i> *-03HI-B73GN-119	<i>lal</i>	<i>lal</i> -03HI-B73GN-119	403F
<i>ra</i> *-JD	<i>ra1; ra2; ra3</i>	<i>ra3</i> -JD	725B
<i>wl</i> *-N122	<i>etl</i>	<i>etl</i> -N122	307F
<i>su</i> *-N748A	<i>etl</i>	<i>etl</i> -N748A	307G
<i>et</i> *-8616	<i>etl</i>	<i>etl</i> -8616	307H
<i>et</i> *-73-766-1	<i>etl</i>	<i>etl</i> -73-766-1	307I
<i>sml-et</i> *-85-3522-29	<i>etl</i>	<i>etl</i> -85-3522-29	307J
<i>pale-y</i> *-89-1313-3	<i>vp9</i>	<i>vp9</i> -89-1313-3	722K
<i>w-vp</i> *-85-3304-13	<i>vp2</i>	<i>vp2</i> -85-3304-13	513FA
<i>y-vp</i> *-1999-059-10	<i>vp2</i>	<i>vp2</i> -1999-059-10	513FB