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Rapid Cycling Brassica Seed

The following seeds are available and sold in packs of 200.

Wild Type high anthocyanin expressing, Ant 7

Plants are 10-20cm tall at maturity, they have dark green leaves with purple (anthocyanin pigments) stems. They have few hairs and and bright yellow flowers, there seeds are brown. In genetic studies this plant type is known as " wild type".

Anthoycyaninless, anl

Suitable for monohybrid studies. These plants are bright green and lack any purple, the seeds are yellow. When used in contrast with the wild typethe anl/anl phenotype can be checked by germinating the F2 on filter paper and noting the completely green seedlings. The hint of a purple or red tinge should be classed as " wild type ".

Rosette, ros

Again siuitable for monohybrid work and plant hormone studies. They are short, up to 3cm tall with dark green leaves. The seed coats are brown the mutant gene ros in the homozygous state ros/ros ends in gibberellin deficiency hence the short stems. Upon treatment with gibberellic acid normal stem elongation occurs. At the seedling stage it has a shorter hypocotyl.

Yellowgreen, ygr

Used in monohybrid work and plant hormone studies. Theis plant is similar to the wild type apart from the leaf and cotyledon are yellow/green in colour.

Variegated (cytoplasmic), (var)

Used in nonmendelian studies. Their stems and leaves are white and green. The trait can vary from all white tissue on some plants to none on others. The variegation may be striped mottled on all of the plant or just on parts. The trait is expressed in mutant chloroplasts who lack chlorophyll. This can only be controlled by the female parent.

F1 yellowgreen, ygr/YGR

They are phenotypically like wild type with the same colouring. Internating the F1 plants results in F2 generation which will split into approx 3:1

F1 rosette, ros/ROS

Again phenotypically like wild type. Upon intermating results of the F2 generation will divide into 9:3:3:1