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(54) Title: INCREASED SEED SIZE AND SEED NUMBER THROUGH TRANSGENIC OVER EXPRESSION OF A GROWTH AND/OR DEVELOPMENT RELATED GENE DURING EARLY EMBRYO DEVELOPMENT

(57) Abstract: The present invention provides methods and compositions for increasing the seed size and/or seed number in plants. In particular, the methods and compositions provide for the over expression of a plant growth and/or development related or associated gene during embryo development. Transgenic plants transformed with genetic constructs having the plant growth and/or development associated gene under the control of an early phase-specific embryo promoter provides mature plants in the field that produce larger and/or more seeds. Methods for selection growth and development associated genes that provide transgenic plants with a higher yield phenotype are also provided.



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