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Cloning of low temperature-iducible genes using suppression subtractive hybridization method from *Glycin max* L.

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A thousand low temperature-inducible clones were isolated using suppression subtractive hybridization method from soybean. Among them, 100 clones were screened by colony blot hybridization. Sequence analysis and database search revealed that low temperature-induced clones encodes variouse kinds of genes, including ABC transforter, RNA helicase, glycolate oxidate, NADH hydrogenase, nodulin-like protein, senescence-associated protein, retroelement, cytochrom P450 monooxygenase, nonsymbiotic hemoglobin, and cold stress protein, etc. Northern blot hybridization and reverse hybridization conformed that asparaginase, eEF-1a and CRC1 homologue are strongly induced by low temperature treatment.