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Short Interspersed Element

National Cancer Institute

Source

National Cancer Institute. *Short Interspersed Element*. NCI Thesaurus. Code C13804.

SINEs. Short, 100-300 bases long, highly repeated sequences which contain RNA polymerase III promoters. The primate Alu and the rodent B1 SINEs are derived from 7SL RNA, the RNA component of the signal recognition particle. Most other SINEs are derived from tRNAs including the MIRs (mammalian-wide interspersed repeats).