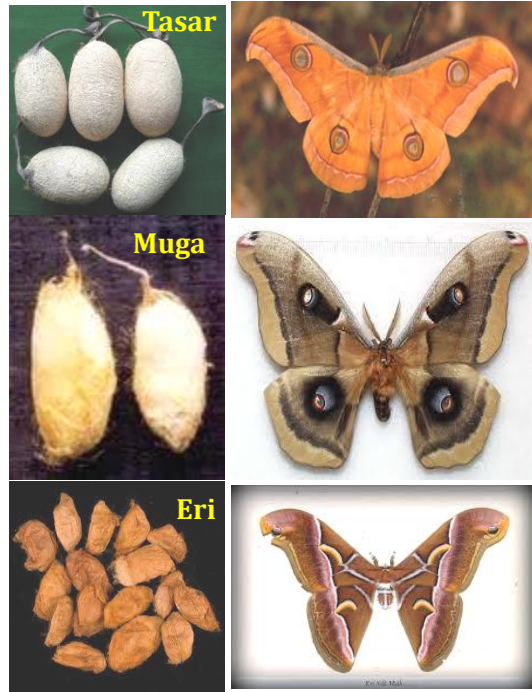


**Markers for identification of heterozygous lines in *Antheraea mylitta*, *Antheraea assamensis* and *Samia Cynthia ricini***

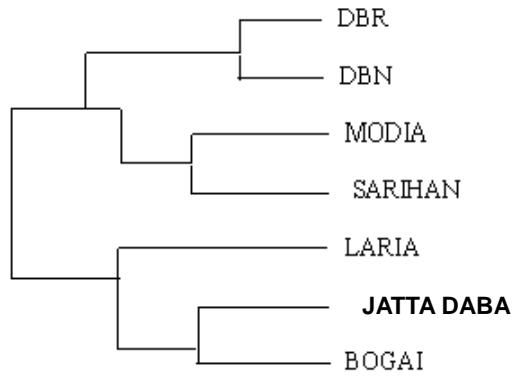
Conservation of the wild silkworm races viz. *Antheraea mylitta* (tasar), *Antheraea assamensis* (muga) and *Samia ricini* (eri) a major seri-biodiversity of the country with muga exclusively from India is a very ardent task. In this direction, exploring their genetic diversity using molecular tools could identify specific polymorphic molecular markers.

Specific SSR markers associated with the tasar silkworm ecotype Jatta Daba, Molecular markers associated with the muga line WWS1 that showed high divergence and Genetic markers associated with altitude for the Lakhimpur eri silkworm population were identified which can be utilized for their conservation as these three lines are unique and very useful for breed improvement.

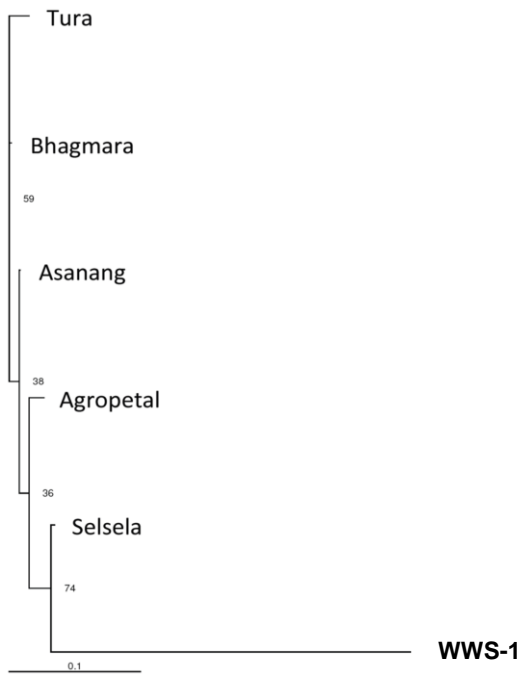


Genetic distance among ecotypes measured with molecular markers

***Antheraea mylitta***



***Antheraea assamensis***



***Samia cynthia ricini***

