

A GENETIC LINKAGE MAP FOR WHITE LUPIN (*LUPINUS ALBUS* L.)

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Abstract

We report about the constructing of the linkage map of white lupin (*Lupinus albus* L.). For constructing of this map only RAPD markers were used. Sixty arbitrary primers (10-meres) from firma Roth (Germany) were used for testing RAPDs polymorphism in the F2 recombinant inbred line population. The F2 population of the Kiew X Lublanc cross population was selected for mapping studies. The software MAPMAKER version 3.0 was used for the multi-point analysis with LOD ≥ 3 . Statistical analysis provided the map position of 48 RAPDs loci. The length of the generated linkage map is close to 620 cM with an average distance between markers close to 14 cM. The markers are distinguished in 17 linkage groups.

Key words: linkage map - RAPD markers - white lupin

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