

Genetic Parameters And Genetic Trends In The Sino-European Tiameslan Composite Line - *T. Burlot*, Zhang Siqing, J. Naveau, C. Legault and J.P. Bidanel. PEN AR LAN, B.P. 3, 35380 Maxent, France.

Genetic parameters of days on test (DT), average backfat thickness (ABT), litter size at birth (LS) and teat number (TN) were estimated in the Sino-European Tiameslan composite line using restricted maximum likelihood methodology applied to a multiple trait animal model.

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Genetic trends were then computed by averaging multiple trait BLUP-AM estimates of breeding values. Heritability estimates were 0.71 ± 0.02 , 0.39 ± 0.02 , 0.53 ± 0.02 and 0.15 ± 0.03 , respectively, for DT, ABT, TN and LS. Genetic trends were -1.2 day/year and -0.6 mm/year, respectively, for DT and ABT, and slightly positive for LS and TN.