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(Triticum aestivum L.)

Oligo – Culm Fukuho-Kumogi

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Oligo-Culm Fukuho-Kumogi

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Fukuho-kumogi Oligo-culm

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$$h_{ns}^2 = \frac{\sigma_g^2}{\sigma_g^2 + \frac{\sigma_e^2}{r}}$$

σ_e^2

σ_g^2

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- 2. Ward method
 - 3. Hotelling T² test

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- 1. Cluster analysis

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REFERENCES

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11. Clegg, M.T. 1997. Plant genetic diversity and the struggle to measure selection. *J. Heredity*, 88:1-7.
12. Ehdaie, B. & J.G. Waines. 1989. Genetic variation, heritability and path analysis in landraces of bread wheat from southwestern Iran. *Euphytica*, 41: 183-190.
13. Falconer, D.S. & T.F.C. Mackay. 1996. Introduction to quantitative genetics, Ronald Press, New York.
14. Hallauer, A.R. & J.B. Miranda. 1998. Quantitative genetics in maize breeding. Iowa State Univ. Press, Ames Iowa.
15. Heyne, E.G. 1987. Wheat and wheat improvement. American Society of Agronomy Inc. Madison, WI. USA.
16. Ikram, U.H. & L. Tanach. 1991. Diallel analysis of grain yield and other agronomic traits in durum wheat. *Rachis*, 10: 8-13.
17. Johnson, D.E. 1998. Applied multivariate methods for data analysis. Dunbury Press, New York, USA. 567p.
18. Liu, G.G. 1995. Research note identification of a new low glutenin subunit locus on chromosome 1b of durum wheat. *J. Cereal Science*, 21: 209-213.
19. Merezhko, A.F. 1998. Impact of plant genetic resources on wheat breeding. *Euphytica*, 100: 295-303.

20. Moghaddam, M., B. Ehdaie., & J.G. Waines .1997. Genetic variation and interrelationship of agronomic characters in landraces of bread wheat from southwestern Iran. *Euphytica*, 95: 369-391.
21. Oleson, B.T. 1996. World wheat production, Utilization and trade. In: Bushuk, W. and Rasper, V.F., (eds.), *Wheat Production, Properties and quality* . Chapman & Hall. PP. 1-11.
22. Prodanovic, S. 1993. Genetic values of F₁ wheat hybrids obtained in diallel crosses, review of research work at the Faculty of Agriculture Belgrade. Vol. 38, No. 2: 25-37.
23. Suenaga, K. 1991. An effective method of production of haploid wheat (*Triticum aestivum* L.) plants by wheat and maize (*Zea mays* L.) crosses. In: A Adachi (ed.), International Colloquium for overcoming breeding barrier, pp.195-200. Miyozaki, Japan.