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(Festuca arundinacea)

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(Festuca arundinacea)

(Tall fescue)
Schreb)

(Festuca spp)

.(Jauhar, 1993)

(Gibson & Newman, 2001; Saha et al.,
.2005; Sleper & West, 1996)

.(Jafari, 2002)

(2000) Casler & Santen

(2006) Jafari & Javarsineh .(Simonsen, 1977)

.(Latch, 1999)

.(Khayyam-Nekouei, 2001)

(Mohammadi & Prasanna, 2003; Wan et al.,
.2001)

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(Estilai et al., 1992; Majidi, 2001)

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(LSD)

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(1987) Kearsy et al.

(WARD)

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(Mohammadi &

(MANOVA)

(1977) Simonsen

.Prasanna, 2003)

SPSS SAS

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()	/	L2
	/	L3
	/	L5
	/	L6
	/L7	L7
	/L11	L11
	/L12	L12
	/	M1
	/	M2
	/	M3
	/	M5
	/	M7
	/	M9
	/	M10
	/M11	M11
	/M12	M12
	/	N2
	/N6	N6
	/N7	N7
	/N8	N8
()	/	O6
	/	O8
New Jersey	- Rebel	N1
	/A4	A4
	/G9	G9
	/J6	J6
	/V3	V3
Felosozentivan	RCAT041681	N5
Sarkad	RCAT041815	O10
Szeleveny	RCAT041849	O2
Orgovany	RCAT041876	O3
Csesznek	RCAT041877	N12
Kecskemet-Solt	RCAT042279	N9
Pakozd	RCAT042281	M6
Pacin	RCAT064767	N3
Taktabaj	RCAT064769	L10
Tyukod	RCAT064772	L9
Ibafa	RCAT040739	L4

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.(Fulkerson & Slack, 1994)

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(persistency)

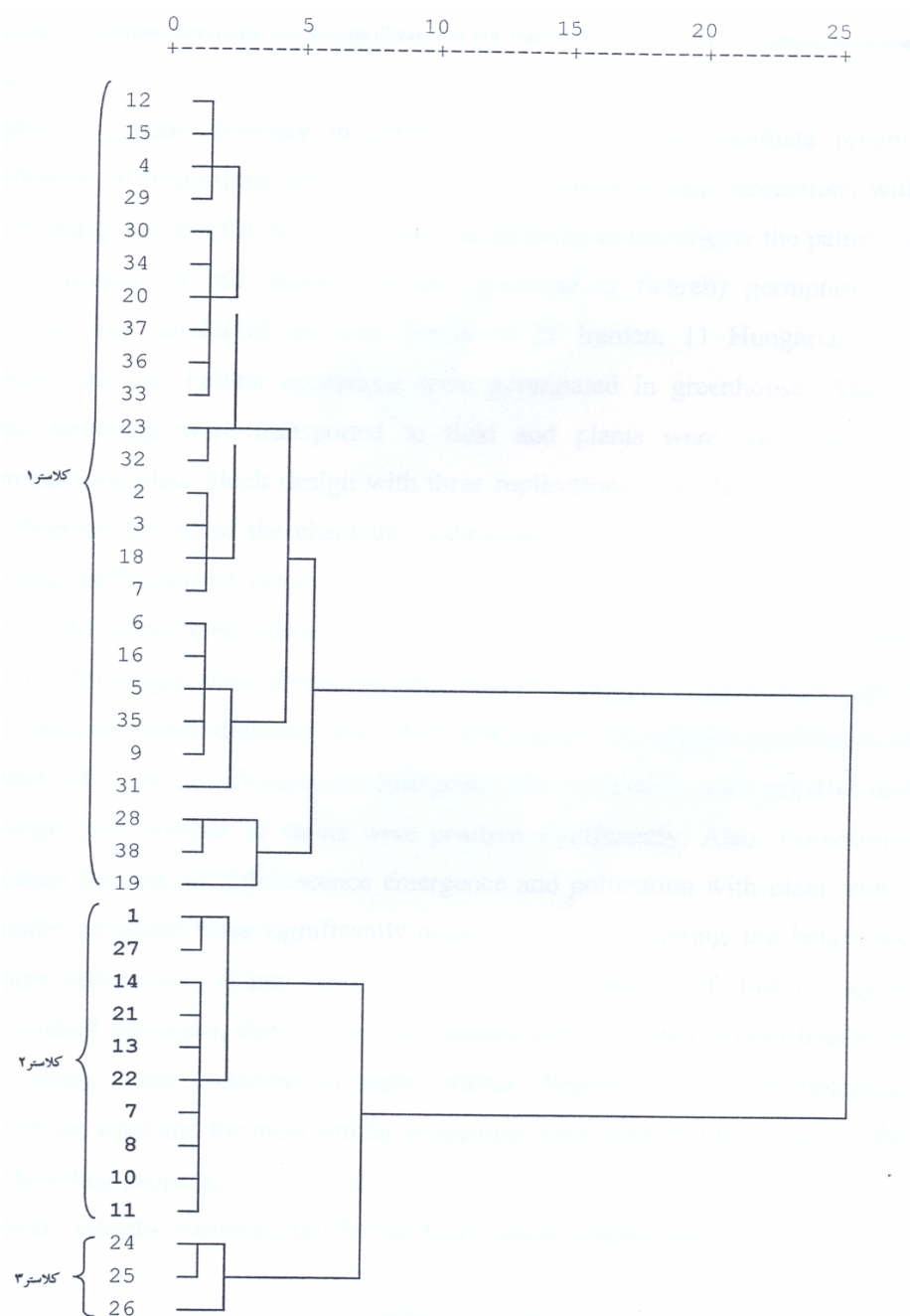
.(Fulkerson & Slack, 1994; Jafari, 2002)

.(Jafari et al., 2001)

.(Feher, 1987) ()

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(1985) Wilkins (2002) Jafari



REFERENCES

1. Casler, M. D. & Santen, E. V. (2000). Patterns of variation in a collection of meadow fescue accessions. *Crop Sci*, 40, 248-255.
2. Estilai, A., Ehdaie, B., Naqavi, H. H., Dierig, D. A., Ray, D. T. & Thamposon, A. E. (1992). Correlation and path analysis of agronomic trait in Guayule. *Crops Sci*, 32, 953-957.
3. Feher, W. R. (1987). *Principles of cultivar development*. Vol. 1. Macmillan Publishing Company, New York.
4. Fulkerson, W. J. & Slack, K. (1994). Leaf number as criterion for determining defoliation time for *Lolium preenne*. Effects of water soluble carbohydrate and senescence. *Grass and Forage Sci*, 49, 373-377.
5. Gibson, D. J. & Newman, J. A. (2001). *Festuca arundinacea* Schreb. (*F. elatior* L. ssp. *arundinacea* (Schreb) Hackel). *J Ecology*, 89, 304-324.
6. Jafari, A. A. & Javarsineh, S. H. (2006). Estimation of heritability and genetic gain of forage yield and quality in parents and H-sib families of tall fescue (*Festuca arundinacea*). In: *Proceedings of the 1th Iranian Forage plants congress*, Aug. 9-11, 2005, University of Tehran, Tehran. Iran.

7. Jafari, A. A. (2002). Determination of genetic distance of 29 accessions of Ryegrass (*Lolium perenne*) based on morphological and forage yield using cluster analysis. *Iranian Journal of Rangelands and Forests Plants Breeding and Genetic Research*, 6, 79-101. (In Farsi).
8. Jafari, A. A., Madah, H. & Abdi, N. (2001). Preliminary Evaluation and effect of maturity and ploidy levels on forage production in 29 accessions of Ryegrass (*Lolium perenne*). *Iranian Journal of Rangelands and Forests Plants Breeding and Genetic Research*, 5, 123-157.
9. Jauhar, P. P. (1993). *Cytogenetics of the Festuca-Lolium complex*, Springer-Verlag, Berlin.
10. Kearsey, M. J., Hayward, M. D., Devey, F. D., Arcioni, S., Eggleston, M. P. & Esissa, M. M. (1987). Genetic analysis of production characters in Lolium. I. Triple test cross analysis of spaced plant performance. *Theor Appl Genet*, 75, 66-75.
11. Khayyam-Nekouei, M. (2001). *Germplasm collection and molecular detection of endophytic fungi in Iranian tall fescue (Festuca arundinacea Schreb)*. Ph.D thesis, University of Putra, Malaysia.
12. Latch, G. C. M. (1999). Neotyphodium-Grass interactions and their economic importance. In: *Proceeding of International Symposium of Mycotoxicology and Mycotoxin Contamination: Health Risk and Prevention Project*. Chiba, Japan.
13. Majidi, M. M. (2001). *Genetic diversity and inducing mutation in sainfoin populations (Onobrychis viciifolia)*. MSc thesis. Isfahan university of technology.
14. Mohammadi, S. A. & Prasanna, B. M. (2003). Analysis of genetic diversity in crop plants-Salient statistical tools and considerations. *Crop Sci*, 43, 1235-1248.
15. Saha, M. C., Mian, R., Zwonitzer, J. C., Chekhovskiy, K. & Hopkins, A. A. (2005). An SSR and AFLP based genetic linkage map of tall fescue (*Festuca arundinacea* Schreb.). *Theor Appl Genet*, 110, 323-336.
16. Simonsen, Q. (1977). Genetic variation in diploid and autotetraploid populations of *Festuca pratensis*. *Hereditas*, 85,1-24.
17. Sleper, D. A. & West, C. P. (1996). Tall fescue. P.471-502. In L. E. Moser et al.(ed). *Cool Season Forage Grasses*. Agron. Monogr.34.ASA,CSSA, and SSSA, Madison, WI.
18. Wang, Z., Hopkins, A. & Main, R. (2001). Forage and turfgrass biotechnology. *Critical Reviews in Plant Sciences*, 20 (6), 573-619.
19. Wilkins, P. W. (1985). Breeding for dry matter yield in perennial ryegrass by wide hybridization and recurrent selection. In: *Proceeding of the 11th EUCARPIA Fodder Crops Section Meeting, Savalo, Sweden*, pp. 25-30.