

Table 9 clustering according to traits similarity

Groupes		FHP	TNN	BRG	PCG	DT M	TNP	NDF	NDM	LAR	PAG	ST L	NG4 S	NG3 S	NG2 S	NG 1S	SYP
G1 : 12 lignées	μ	78.40	24.07	2.98	39.77	7.49	24.48	64.42	154.42	67.85	29.08	3.15	9.87	9.48	3.30	1.80	76.32
	σ	5.29	2.07	0.41	3.58	1.31	3.55	1.44	1.44	10.59	4.44	0.22	3.41	2.46	1.06	1.12	10.75
G2 : 31 lignées	μ	70.63	22.20	2.38	36.39	6.23	19.95	57.67	154.30	54.64	31.62	3.13	8.97	8.33	1.84	0.81	64.75
	σ	5.12	2.52	0.34	4.38	0.47	2.85	3.21	0.83	6.55	5.93	0.17	2.77	2.56	0.63	0.40	9.39
G3 : 1 lignée	μ	82.80	23	3.8	47.80	7.1	45.6	64	154	63.22	26	3.42	17.2	24.8	3	0.6	150
G4: 30 lignées	μ	70.41	22.58	2.74	40.37	6.45	15.66	61.24	154.03	54.00	32.69	3.12	4.07	7.08	6.11	1.66	50.60
	σ	5.40	1.88	0.68	6.17	0.76	1.93	3.69	1.32	8.73	8.14	0.16	0.35	1.88	2.24	0.64	6.13
G5: 26 lignées	μ	67.28	21.68	2.31	34.72	5.92	12.35	56	154.24	50.75	25.52	3.16	3.98	5.78	4.81	1.31	40.64
	σ	5.27	2.77	0.45	3.96	0.61	2.55	2.36	0.76	4.79	5.94	0.15	0.20	1.62	1.44	0.59	8.62

Note: FPH: Final plant height (cm); TNN: Total Number of nodes; LA: Leaf Area: one leaf in the 5th flowering node; MSW: Main stem width; StL: Standard length; BR: Branching; FT: Time of flowering (50% of the plants with at least one opened flower); NDM: Number of days to maturity; TNP: Total Number of pods per plant; PA: Pod angles; NP4S: number of pods with 4 seeds; NP3S: number of pods with 3 seeds; NP2S: number of pods with 2 seeds; NP1S: number of pods with 1 seed; TSP: total number of seeds per plant