

<https://doi.org/10.56093/ijas.v94i4.101986>

Supplementary Table 1 Eigen values (Latent roots) and variability of non-rotated values of Principal Components

Principal Component	Latent roots (Eigen value)	Proportion of variance explained	Cumulative proportion
PC1	2.635	0.264	0.264
PC2	1.924	0.192	0.456
PC3	1.375	0.138	0.593
PC4	1.223	0.122	0.716
PC5	1.079	0.108	0.824
PC6	0.882	0.088	0.912
PC7	0.702	0.070	0.942
PC8	0.299	0.030	0.972
PC9	0.196	-0.020	0.992
PC10	0.076	0.008	1.000

Characters	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10
Days taken to spike initiation	0.7071	-0.7071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Days taken to flowering	0.0000	0.0000	0.7419	-0.1462	-0.6162	0.1687	-0.1301	0.0004	0.0111	0.0559
Plant height (cm)	0.0000	0.0000	0.1594	0.6043	-0.0511	-0.1301	-0.0175	0.0795	-0.3517	-0.6779
Spike length (cm)	0.0000	0.0000	0.1429	0.0670	0.4440	0.4914	-0.7323	-0.0002	-0.0017	-0.0146
Rachis length (cm)	0.0000	0.0000	-0.2220	0.5752	-0.2666	0.4766	0.1583	-0.1131	-0.2193	0.4855
Duration of flowering	0.7071	0.7071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
No. of florets per spike	0.0000	0.0000	-0.0808	-0.3047	-0.0041	0.0977	0.0188	0.6972	-0.6285	0.0983
Floret size (cm)	0.0000	0.0000	0.1799	0.4190	0.0894	-0.2893	-0.0737	0.6243	0.4651	0.2983
No. of florets open at one time	0.0000	0.0000	0.2899	0.0988	0.2426	-0.5449	-0.1608	-0.3243	-0.4656	0.4502
Vase life (days)	0.0000	0.0000	0.4812	0.0033	0.5316	0.3097	0.6244	0.0000	0.0000	0.0005

Supplementary Table 2 The principal component values or factor loadings of ten characters in 14 genotypes of gladiolus