

表 4 植物表型性状的主成分分析

Table 4 Principal component analysis of phenotypic characters of chrysanthemum

表型性状 Phenotypic traits	主成分 Principle component								
	1	2	3	4	5	6	7	8	9
叶长 Leaf length	0.129	-0.017	-0.033	0.114	0.202	0.002	0.077	-0.088	0.139
叶宽 Leaf width	0.16	-0.048	-0.083	0.003	0.103	0.067	0.11	-0.096	0.13
花直径 Flower diameter	0.252	0.016	0.087	-0.087	-0.002	-0.063	0.04	0.166	-0.166
舌瓣长 ligule petals length	0.246	0.03	0.101	-0.093	0.01	-0.056	0.032	0.177	-0.165
舌瓣宽 ligule petals width	0.167	0.053	0.013	0.003	-0.047	0.09	0.042	0.013	-0.025
管瓣长 Tubiform floret disc length	0.056	0.249	-0.007	-0.1	0.049	-0.08	0.081	0.146	0.003
管瓣宽 Tubiform floret disc width	0.001	0.242	-0.027	-0.1	-0.008	-0.05	0.045	0.107	0.069
株高 Plant height	0.124	0.023	-0.082	-0.041	-0.061	-0.139	-0.009	0.029	0.024
叶数 Number of blade	-0.018	0.01	-0.012	-0.052	-0.351	0.019	-0.066	-0.043	-0.008
分枝长度 Pedicel length	0.031	-0.026	0.026	0.27	-0.055	-0.029	0.06	-0.028	0.227
分枝数 Number of Pedicel	-0.027	0.091	0.144	-0.024	0.175	-0.017	0.222	0.356	0.009
花数 Number of inflorescence	-0.159	0.1	-0.12	-0.007	0.126	-0.164	0.007	0.252	0.121
茎颜色 Stem color	-0.083	-0.012	0.064	-0.037	0.012	0.004	-0.076	-0.025	0.699
托叶大小 Stipule size	-0.004	0.102	0.004	-0.122	0.483	-0.162	-0.066	0.007	-0.017
叶柄姿态 Petiole posture	-0.05	-0.013	0.054	-0.002	0.285	0.241	-0.118	-0.045	-0.013
叶片最低位一级裂刻深度 Blade at the lowest level of cutting depth	-0.026	0.002	0.209	0.002	-0.053	-0.313	0.163	-0.136	0.064
叶片基部形状 Bottom shape of leaf	0.092	-0.031	-0.069	-0.347	-0.123	0.248	0.286	0.057	0.158
叶片先端形状 Leaf tip shape	-0.019	0.062	-0.462	-0.033	-0.001	-0.078	0.038	-0.082	-0.241

续表 4

Continuing table 4

表型性状 Phenotypic traits	主成分								
	Principle component								
	1	2	3	4	5	6	7	8	9
叶片边缘锯齿深度 Blade edge serrated depth	0.052	0.034	0.399	-0.115	0.033	0.048	0.002	-0.126	-0.149
花心颜色(花药开裂前) Flower core color	-0.015	-0.046	-0.084	0.461	-0.093	0.074	0.032	0.057	-0.077
花心类型 Inflorescence type	0.03	-0.241	0.034	0.109	-0.031	0.03	-0.024	0.002	0.002
花序一级侧枝与茎的夹角 Angle between primary lateral branch and stem	0.087	-0.023	0.082	-0.082	-0.114	0.07	0.54	0.168	-0.011
舌状小花主要类型 Main types of ligulate floret	0.038	-0.159	0.009	-0.231	-0.06	-0.169	-0.034	0.104	-0.028
舌状小花花瓣最宽处横切面形状 Cross section shape of the widest part of ligulate petal	-0.025	0.203	0.071	0.146	0.072	0.046	-0.075	-0.074	-0.177
舌状小花花瓣最宽处横切面形状 Cross section shape of the widest part of ligulate petal	-0.004	0.02	0.091	0.013	-0.106	0.449	0.003	0.073	-0.005
舌状小花顶端形状 Tip shape of the ligulate petal	-0.017	-0.072	0.128	-0.05	-0.064	0.166	-0.493	0.203	0.086
舌状小花颜色 The ligulate petal color	-0.038	-0.003	0.047	-0.026	0.039	-0.087	0.024	-0.555	0.043
特征值 Eigenvalue	5.525	3.957	2.292	1.998	1.716	1.377	1.304	1.203	1.027
方差贡献率(%) Variance contribution rate	20.464	14.656	8.489	7.401	6.354	5.101	4.828	4.454	3.805
累计贡献率(%) Cumulative contribution rate	20.464	35.12	43.609	51.01	57.364	62.465	67.293	71.747	75.552