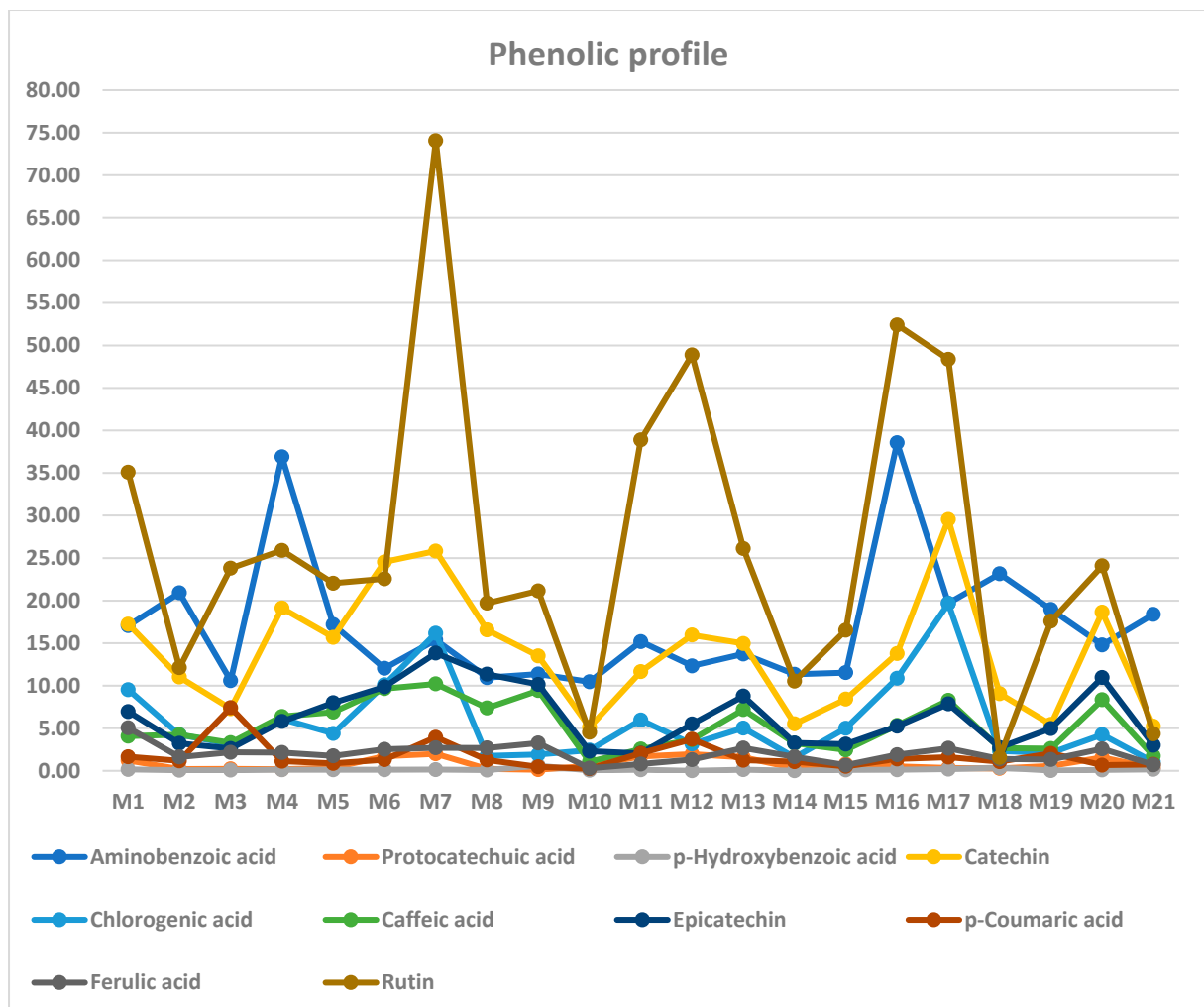
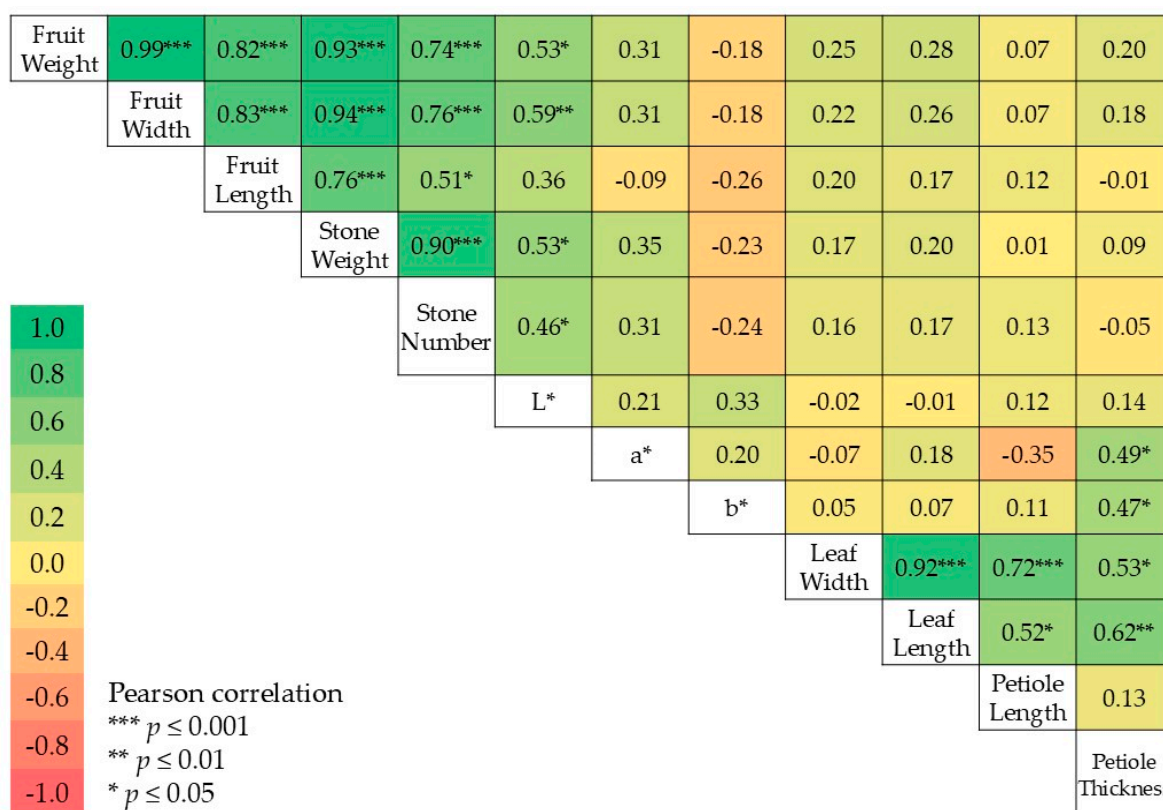
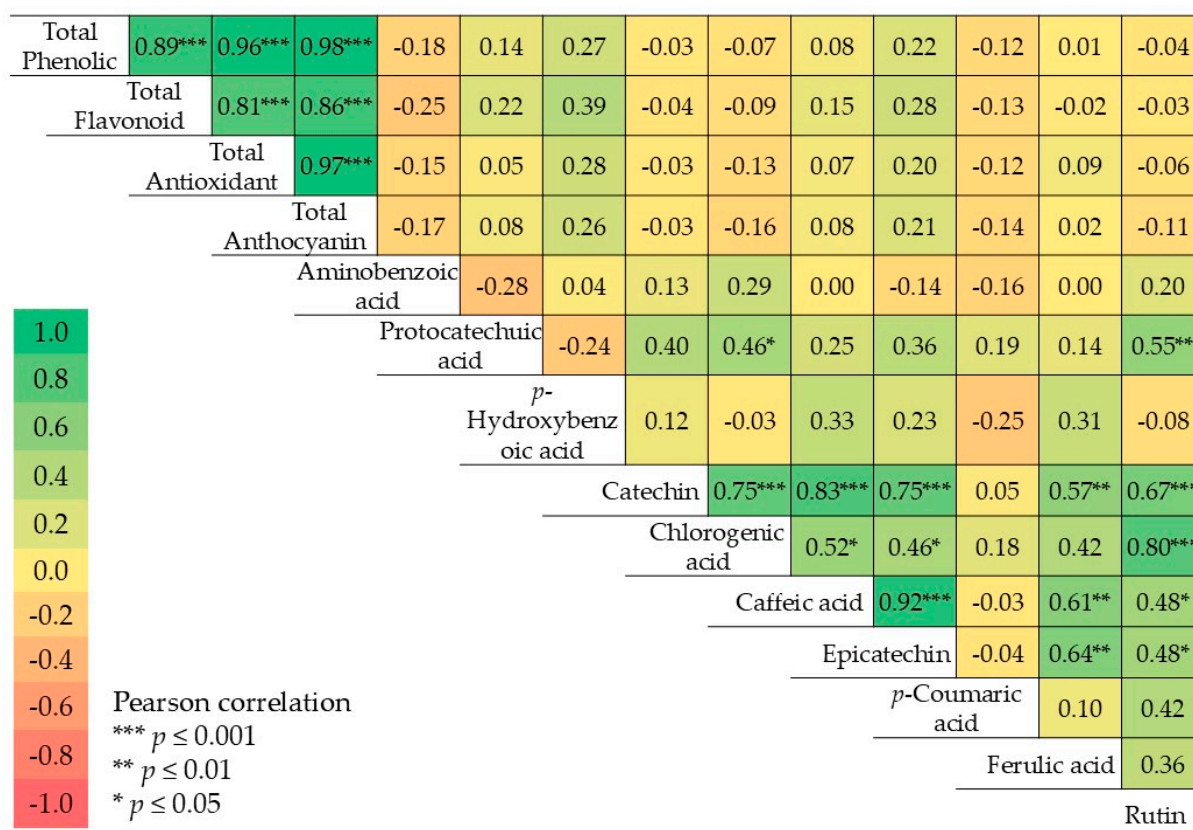




Supplementary Figure S1. Contents graph of individual phenolic compounds in fruit of the examined hawthorn genotypes



Supplementary Figure S2. Relationships Between Morphological Traits of Hawthorn Genotypes



Supplementary Figure S3. Relationships Between Biochemical Components and Antioxidant Parameters in Hawthorn

Supplementary Table S1. Contribution of the variables (%)

Traits	F1	F2	F3	F4	F5
Fruit Weight	8.405	1.017	7.499	0.294	0.114
Fruit Width	8.500	1.021	7.489	0.186	0.521
Fruit Length	7.654	1.066	5.572	0.013	0.308
Stone Weight	8.018	0.955	7.597	0.041	0.557
Stone Number	6.055	1.735	4.494	0.164	0.344
L*	2.865	0.886	1.179	0.539	23.151
a*	0.021	11.418	2.780	6.942	0.174
b*	0.424	0.362	2.056	16.575	14.960
Leaf Width	5.214	0.006	5.228	6.355	8.511
Leaf Length	4.387	0.268	3.229	10.507	9.658
Petiole Length	2.898	0.305	4.071	0.964	1.013
Petiole Thickness	0.409	1.931	0.465	25.075	1.583
Total Phenolic	1.309	11.777	6.544	1.282	1.365
Total Flavonoid	1.164	10.308	6.772	2.068	0.311
Total Antioxidant	1.453	12.208	4.902	1.192	0.752
Total Anthocyanin	1.137	12.633	5.252	1.868	1.253
Aminobenzoic acid	0.806	0.437	3.085	2.288	0.017
Protocatechuic acid	0.109	2.812	11.113	0.030	7.117
p-Hydroxybenzoic acid	1.780	1.393	0.002	10.301	14.342
Catechin	6.484	6.723	1.070	1.105	1.746
Chlorogenic acid	5.357	7.070	0.502	0.402	4.407
Caffeic acid	0.611	0.106	0.018	0.088	0.002
Epicatechin	0.552	0.053	0.103	0.049	0.000
p-Coumaric acid	0.009	0.048	0.032	0.140	0.002
Ferulic acid	0.496	0.048	0.008	0.006	0.134
Rutin	0.154	0.363	0.208	0.011	0.020
Eigenvalue	7.131	4.517	4.055	2.496	2.021
Variability (%)	27.428	17.372	15.594	9.600	7.774
Cumulative %	27.428	44.800	60.394	69.994	77.767