

Table S1. Correlations of total phenolic, total flavonoid contents and antioxidant activities in onion bulbs with growing conditions

V1-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.831	.999(*)	0.962	-0.935	-.999(*)	1.000(*)	0.937	0.933	0.946	-0.675	0.816	-0.551	-.999(*)
TFC	0.935	0.536	0.779	-0.830	-0.608	0.602	0.258	0.833	0.813	-0.992	0.000	-.999(*)	-0.608
FRAP	0.993	0.724	0.908	-0.940	-0.782	0.777	0.484	0.942	0.929	-0.993	0.242	-0.962	-0.782
PMA	-0.815	-0.307	-0.596	0.663	0.388	-0.382	-0.007	-0.667	-0.640	0.930	0.251	0.976	0.389
DPPH	-0.338	-0.834	-0.613	0.543	0.783	-0.787	-0.961	-0.538	-0.568	0.105	-1.000(*)	-0.052	0.783
OH	-0.118	0.500	0.195	-0.110	-0.422	0.429	0.737	0.105	0.140	0.350	0.886	0.492	-0.422
H ₂ O ₂	-0.995	-0.739	-0.917	0.947	0.795	-0.791	-0.503	-0.949	-0.937	0.990	-0.264	0.955	0.795
ABTS	0.695	0.987	0.884	-0.840	-0.970	0.971	0.990	0.837	0.856	-0.505	0.919	-0.364	-0.970
V2-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-1.000(*)	-0.813	-0.957	0.979	0.861	-0.858	-0.601	-0.980	-0.972	0.966	-0.375	0.914	0.861
TFC	0.194	0.742	0.487	-0.411	-0.681	0.686	0.909	0.406	0.438	0.045	0.986	0.201	-0.681
FRAP	-0.628	-0.037	-0.357	0.435	0.124	-0.118	0.264	-0.440	-0.408	0.795	0.504	0.880	0.124
PMA	-.999(*)	-0.778	-0.939	0.965	0.830	-0.826	-0.553	-0.966	-0.956	0.980	-0.320	0.936	0.830
DPPH	0.571	-0.034	0.289	-0.370	-0.053	0.046	-0.333	0.375	0.342	-0.749	-0.564	-0.844	-0.053
OH	-0.869	-0.992	-0.979	0.958	.999(*)	-.999(*)	-0.910	-0.957	-0.967	0.726	-0.772	0.610	.999(*)
H ₂ O ₂	-0.419	0.207	-0.118	0.203	-0.121	0.128	0.491	-0.208	-0.173	0.623	0.699	0.738	-0.121
ABTS	0.223	0.762	0.514	-0.438	-0.703	0.708	0.921	0.434	0.465	0.015	0.990	0.171	-0.703
V3-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.809	0.296	0.588	-0.655	-0.378	0.372	-0.004	0.659	0.632	-0.925	-0.262	-0.973	-0.378
TFC	0.592	-0.008	0.314	-0.394	-0.079	0.072	-0.308	0.399	0.366	-0.766	-0.543	-0.857	-0.079
FRAP	0.919	0.972	0.996	-0.984	-0.989	0.988	0.858	0.983	0.989	-0.798	0.696	-0.695	-0.989
PMA	-0.584	-0.954	-0.807	0.753	0.924	-0.927	-1.000(**)	-0.75	-0.773	0.375	-0.966	0.225	0.924
DPPH	-0.406	-0.872	-0.668	0.602	0.826	-0.83	-0.979	-0.598	-0.626	0.177	-.999(*)	0.021	0.826
OH	-0.951	-0.578	-0.809	0.857	0.647	-0.641	-0.306	-0.859	-0.841	.997(*)	-0.051	0.997	0.647

H ₂ O ₂	-0.777	-.999(*)	-0.933	0.899	0.992	-0.993	-0.965	-0.897	-0.912	0.605	-0.865	0.473	0.992
ABTS	-0.437	0.188	-0.137	0.221	-0.102	0.109	0.475	-0.227	-0.192	0.638	0.685	0.75	-0.102
V4-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.977	0.654	0.862	-0.902	-0.717	0.712	0.396	0.905	0.889	-1.000(*)	0.146	-0.984	-0.717
TFC	0.159	-0.463	-0.154	0.069	0.384	-0.391	-0.708	-0.063	-0.099	-0.389	-0.866	-0.528	0.384
FRAP	0.461	-0.161	0.164	-0.248	0.075	-0.082	-0.450	0.253	0.219	-0.659	-0.665	-0.768	0.075
PMA	-0.422	-0.881	-0.682	0.617	0.836	-0.840	-0.982	-0.612	-0.640	0.195	-.997(*)	0.039	0.836
DPPH	0.178	-0.446	-0.134	0.049	0.366	-0.373	-0.694	-0.044	-0.079	-0.407	-0.856	-0.545	0.366
OH	0.846	0.997	0.969	-0.945	-1.000(**)	1.000(**)	0.927	0.943	0.954	-0.695	0.800	-0.574	-1.000(**)
H ₂ O ₂	0.962	0.608	0.831	-0.876	-0.675	0.670	0.342	0.878	0.861	-.999(*)	0.088	-0.993	-0.675
ABTS	0.116	0.687	0.417	-0.338	-0.621	0.626	0.873	0.333	0.366	0.124	0.969	0.277	-0.621
V5-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	.998(*)	0.767	0.933	-0.960	-0.820	0.816	0.539	0.962	0.951	-0.984	0.304	-0.914	-0.820
TFC	0.859	0.381	0.658	-0.720	-0.460	0.454	0.086	0.724	0.699	-0.954	-0.173	-.998(*)	-0.461
FRAP	0.677	0.102	0.416	-0.493	-0.188	0.182	-0.201	0.497	0.466	-0.83	-0.447	-0.938	-0.188
PMA	0.789	0.265	0.561	-0.630	-0.348	0.341	-0.037	0.634	0.606	-0.911	-0.293	-0.982	-0.348
DPPH	.998(*)	0.761	0.929	-0.958	-0.815	0.811	0.532	0.959	0.948	-0.985	0.295	-0.917	-0.815
OH	-0.338	0.292	-0.031	0.116	-0.208	0.214	0.566	-0.122	-0.086	0.548	0.759	0.730	-0.208
H ₂ O ₂	-0.636	-0.048	-0.366	0.444	0.134	-0.127	0.255	-0.449	-0.417	0.798	0.495	0.918	0.134
ABTS	0.686	0.985	0.877	-0.833	-0.966	0.968	0.991	0.830	0.850	-0.498	0.924	-0.279	-0.966
V6-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.735	0.183	0.490	-0.562	-0.268	0.262	-0.120	0.567	0.537	-0.873	-0.372	-0.963	-0.268
TFC	0.592	-0.008	0.314	-0.394	-0.079	0.072	-0.308	0.399	0.366	-0.764	-0.542	-0.894	-0.079
FRAP	0.396	-0.232	0.093	-0.178	0.146	-0.153	-0.513	0.183	0.148	-0.599	-0.717	-0.771	0.146
PMA	0.930	0.525	0.771	-0.823	-0.597	0.592	0.245	0.826	0.805	-0.990	-0.013	-0.995	-0.597
DPPH	0.265	-0.365	-0.046	-0.039	0.282	-0.289	-0.628	0.045	0.009	-0.482	-0.807	-0.675	0.282
OH	0.720	0.992	0.899	-0.859	-0.978	0.979	0.984	0.856	0.874	-0.539	0.905	-0.325	-0.978
H ₂ O ₂	-0.968	-0.625	-0.843	0.886	0.691	-0.686	-0.362	-0.888	-0.871	1.000(*)	-0.110	0.976	0.691

ABTS	0.786	1.000(*)	0.938	-0.905	-0.994	0.994	0.961	0.903	0.918	-0.620	0.858	-0.417	-0.994
V7-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-0.409	0.219	-0.107	0.191	-0.133	0.140	0.502	-0.197	-0.162	0.610	0.707	0.780	-0.133
TFC	0.716	0.157	0.466	-0.540	-0.242	0.235	-0.147	0.544	0.514	-0.859	-0.397	-0.956	-0.242
FRAP	-0.695	-0.126	-0.438	0.514	0.212	-0.205	0.178	-0.518	-0.487	0.843	0.425	0.946	0.212
PMA	0.206	0.750	0.498	-0.422	-0.690	0.695	0.914	0.417	0.449	0.028	0.988	0.263	-0.690
DPPH	-0.725	-0.169	-0.477	0.550	0.254	-0.247	0.135	-0.555	-0.525	0.865	0.386	0.959	0.254
OH	-1.000(*)	-0.790	-0.945	0.970	0.840	-0.836	-0.569	-0.971	-0.962	0.977	-0.338	0.899	0.840
H ₂ O ₂	0.980	0.904	0.994	-1.000(*)	-0.938	0.936	0.734	1.000(*)	.998(*)	-0.907	0.535	-0.782	-0.938
ABTS	-0.011	0.590	0.299	-0.216	-0.517	0.523	0.805	0.211	0.245	0.243	0.931	0.465	-0.517
V8-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-0.635	-0.971	-0.842	0.793	0.946	-0.949	-.998(*)	-0.790	-0.811	0.437	-0.948	0.213	0.946
TFC	0.410	0.874	0.672	-0.606	-0.829	0.832	0.980	0.601	0.630	-0.186	.998(*)	0.051	-0.828
FRAP	-0.196	0.430	0.117	-0.031	-0.349	0.356	0.681	0.026	0.061	0.419	0.847	0.621	-0.349
PMA	-0.797	-1.000(**)	-0.945	0.913	0.996	-0.996	-0.956	-0.911	-0.925	0.634	-0.848	0.434	0.996
DPPH	-0.935	-0.961	-.999(*)	0.991	0.981	-0.980	-0.834	-0.990	-0.995	0.827	-0.663	0.671	0.981
OH	-0.970	-0.922	-.998(*)	1.000(*)	0.953	-0.950	-0.764	-1.000(*)	-1.000(**)	0.887	-0.572	0.753	0.953
H ₂ O ₂	-0.989	-0.705	-0.896	0.930	0.764	-0.760	-0.460	-0.932	-0.919	0.996	-0.216	0.947	0.764
ABTS	0.330	0.829	0.606	-0.536	-0.778	0.782	0.959	0.531	0.561	-0.101	1.000(*)	0.136	-0.778
V9-B	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.296	-0.335	-0.014	-0.072	0.251	-0.258	-0.602	0.077	0.041	-0.510	-0.788	-0.699	0.251
TFC	0.117	0.688	0.419	-0.339	-0.623	0.628	0.874	0.334	0.368	0.117	0.970	0.348	-0.623
FRAP	0.296	-0.334	-0.014	-0.072	0.251	-0.258	-0.602	0.077	0.042	-0.510	-0.787	-0.699	0.251
PMA	0.858	0.379	0.657	-0.719	-0.458	0.452	0.084	0.723	0.697	-0.954	-0.176	-.998(*)	-0.459
DPPH	0.074	-0.537	-0.237	0.153	0.462	-0.468	-0.766	-0.148	-0.183	-0.305	-0.905	-0.521	0.462
OH	-0.916	-0.974	-0.995	0.983	0.990	-0.989	-0.861	-0.982	-0.988	0.797	-0.701	0.632	0.990
H ₂ O ₂	0.083	-0.530	-0.229	0.145	0.454	-0.460	-0.760	-0.140	-0.175	-0.313	-0.902	-0.528	0.454

ABTS	-0.386	-0.861	-0.652	0.585	0.814	-0.818	-0.974	-0.580	-0.609	0.160	-.999(*)	-0.077	0.814
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Table S2. Correlations of total phenolic, flavonoid contents, and antioxidant activities in onion leaves with growing conditions

V1-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.061	-0.549	-0.251	0.167	0.474	-0.480	-0.774	-0.162	-0.197	-0.296	-0.911	-0.442	0.474
TFC	0.497	0.917	0.741	-0.680	-0.879	0.882	0.995	0.677	0.702	-0.276	0.988	-0.123	-0.879
FRAP	-0.942	-0.956	-1.000(*)	0.994	0.978	-0.976	-0.823	-0.993	-0.997	0.835	-0.649	0.739	0.978
PMA	-0.993	-0.868	-0.981	0.994	0.908	-0.905	-0.679	-0.995	-0.991	0.935	-0.466	0.869	0.908
DPPH	-1.000(*)	-0.789	-0.945	0.969	0.839	-0.836	-0.568	-0.970	-0.961	0.976	-0.337	0.930	0.839
OH	0.906	0.979	0.992	-0.978	-0.993	0.992	0.873	0.977	0.984	-0.779	0.718	-0.672	-0.993
H ₂ O ₂	-0.886	-0.432	-0.699	0.758	0.509	-0.503	-0.141	-0.761	-0.737	0.971	0.119	0.996	0.509
ABTS	0.288	0.804	0.570	-0.498	-0.749	0.754	0.945	0.493	0.524	-0.053	.997(*)	0.104	-0.749
V2-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-0.253	-0.782	-0.54	0.466	0.725	-0.729	-0.933	-0.461	-0.492	0.016	-0.994	-0.140	0.725
TFC	0.732	0.994	0.907	-0.868	-0.981	0.982	0.981	0.865	0.882	-0.549	0.897	-0.412	-0.981
FRAP	-0.985	-0.892	-0.990	.998(*)	0.928	-0.925	-0.715	-.999(*)	-0.996	0.916	-0.511	0.842	0.928
PMA	-0.815	-0.306	-0.596	0.663	0.388	-0.382	-0.006	-0.666	-0.640	0.929	0.252	0.976	0.388
DPPH	-0.882	-0.989	-0.985	0.966	.998(*)	-.997(*)	-0.898	-0.965	-0.973	0.745	-0.754	0.632	.998(*)
OH	-0.997	-0.847	-0.973	0.989	0.890	-0.887	-0.648	-0.99	-0.984	0.949	-0.43	0.888	0.89
H ₂ O ₂	-0.254	0.376	0.058	0.028	-0.294	0.300	0.637	-0.033	0.002	0.476	0.814	0.608	-0.294
ABTS	0.307	0.816	0.586	-0.515	-0.762	0.767	0.952	0.51	0.541	-0.072	.999(*)	0.084	-0.762
V3-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.636	0.048	0.367	-0.445	-0.135	0.128	-0.254	0.450	0.418	-0.801	-0.495	-0.885	-0.135
TFC	0.657	0.977	0.858	-0.811	-0.955	0.957	0.996	0.808	0.828	-0.459	0.938	-0.315	-0.955
FRAP	-0.994	-0.734	-0.913	0.945	0.790	-0.786	-0.496	-0.947	-0.934	0.991	-0.256	0.958	0.790
PMA	-0.804	-0.289	-0.581	0.649	0.371	-0.365	0.012	-0.653	-0.625	0.922	0.269	0.971	0.371
DPPH	-0.706	-0.989	-0.890	0.848	0.973	-0.974	-0.987	-0.845	-0.863	0.517	-0.913	0.377	0.973
OH	-0.983	-0.677	-0.877	0.915	0.738	-0.734	-0.424	-0.917	-0.903	.999(*)	-0.177	0.978	0.738
H ₂ O ₂	-0.972	-0.638	-0.852	0.894	0.703	-0.698	-0.378	-0.896	-0.880	1.000(**)	-0.126	0.987	0.703

ABTS	0.151	0.713	0.450	-0.371	-0.649	0.654	0.891	0.367	0.399	0.088	0.978	0.242	-0.649
V4-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	.999(*)	0.832	0.966	-0.985	-0.877	0.874	0.627	0.986	0.979	-0.957	0.405	-0.900	-0.877
TFC	0.139	0.704	0.438	-0.359	-0.639	0.644	0.885	0.354	0.387	0.101	0.975	0.255	-0.639
FRAP	-0.968	-0.624	-0.842	0.885	0.690	-0.685	-0.360	-0.888	-0.871	1.000(**)	-0.108	0.990	0.690
PMA	-0.459	0.164	-0.162	0.246	-0.077	0.084	0.453	-0.251	-0.216	0.657	0.667	0.767	-0.077
DPPH	-.999(*)	-0.832	-0.966	0.985	0.878	-0.874	-0.628	-0.986	-0.979	0.957	-0.406	0.900	0.878
OH	0.11	0.683	0.412	-0.332	-0.616	0.622	0.871	0.327	0.36	0.130	0.968	0.283	-0.616
H ₂ O ₂	-0.636	-0.048	-0.366	0.444	0.134	-0.127	0.255	-0.449	-0.417	0.801	0.495	0.885	0.134
ABTS	0.237	0.771	0.525	-0.451	-0.713	0.717	0.927	0.446	0.477	0.001	0.992	0.157	-0.713
V5-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-0.110	0.507	0.203	-0.118	-0.430	0.436	0.742	0.113	0.148	0.343	0.890	0.485	-0.430
TFC	0.240	0.773	0.528	-0.454	-0.715	0.720	0.928	0.449	0.481	-0.003	0.993	0.153	-0.715
FRAP	-0.965	-0.930	-.999(*)	.999(*)	0.958	-0.956	-0.776	-.999(*)	-1.000(**)	0.876	-0.587	0.790	0.958
PMA	-0.970	-0.922	-.997(*)	1.000(**)	0.952	-0.950	-0.763	-1.000(*)	-1.000(**)	0.885	-0.571	0.802	0.952
DPPH	-0.733	-0.994	-0.907	0.868	0.981	-0.983	-0.980	-0.865	-0.883	0.550	-0.897	0.413	0.981
OH	-0.512	0.104	-0.221	0.304	-0.017	0.024	0.398	-0.309	-0.275	0.701	0.621	0.804	-0.017
H ₂ O ₂	-0.352	0.278	-0.046	0.131	-0.193	0.200	0.553	-0.136	-0.101	0.565	0.749	0.687	-0.193
ABTS	0.096	0.672	0.399	-0.319	-0.605	0.611	0.864	0.314	0.347	0.143	0.964	0.296	-0.605
V6-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-0.625	-0.968	-0.836	0.786	0.942	-0.945	-.999(*)	-0.783	-0.804	0.422	-0.952	0.275	0.942
TFC	0.364	0.849	0.634	-0.566	-0.800	0.804	0.969	0.561	0.590	-0.132	1.000(**)	0.024	-0.800
FRAP	-1.000(**)	-0.801	-0.951	0.974	0.850	-0.846	-0.584	-0.975	-0.967	0.972	-0.355	0.923	0.850
PMA	0.088	0.667	0.392	-0.312	-0.599	0.605	0.860	0.307	0.340	0.151	0.962	0.303	-0.599
DPPH	-0.627	-0.037	-0.356	0.434	0.123	-0.117	0.265	-0.439	-0.407	0.794	0.505	0.879	0.123
OH	0.829	.999(*)	0.961	-0.934	-.999(*)	.999(*)	0.938	0.932	0.945	-0.672	0.818	-0.549	-.999(*)
H ₂ O ₂	0.913	0.975	0.995	-0.982	-0.991	0.990	0.864	0.981	0.987	-0.791	0.705	-0.685	-0.991

ABTS	0.323	0.825	0.600	-0.529	-0.773	0.777	0.957	0.525	0.554	-0.089	.999(*)	0.068	-0.773
V7-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	0.423	0.881	0.682	-0.617	-0.837	0.840	0.982	0.613	0.641	-0.196	.997(*)	-0.040	-0.837
TFC	-0.127	0.492	0.186	-0.101	-0.414	0.420	0.731	0.096	0.131	0.359	0.882	0.500	-0.414
FRAP	-0.500	-0.919	-0.743	0.683	0.881	-0.884	-0.995	-0.679	-0.705	0.280	-0.987	0.127	0.881
PMA	0.986	0.891	0.990	-.998(*)	-0.927	0.925	0.714	.999(*)	0.996	-0.917	0.509	-0.844	-0.927
DPPH	-0.317	0.314	-0.008	0.093	-0.230	0.237	0.585	-0.099	-0.063	0.533	0.774	0.658	-0.230
OH	-0.917	-0.497	-0.750	0.803	0.571	-0.565	-0.213	-0.807	-0.785	0.986	0.045	1.000(**)	0.571
H ₂ O ₂	-0.986	-0.691	-0.887	0.923	0.751	-0.747	-0.442	-0.925	-0.911	.997(*)	-0.196	0.974	0.751
ABTS	0.754	.997(*)	0.920	-0.883	-0.987	0.988	0.974	0.881	0.897	-0.577	0.882	-0.442	-0.987
V8-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-0.975	-0.647	-0.858	0.899	0.711	-0.707	-0.389	-0.901	-0.885	1.000(**)	-0.138	0.985	0.711
TFC	0.834	.998(*)	0.964	-0.937	-1.000(*)	1.000(*)	0.935	0.936	0.948	-0.679	0.812	-0.556	-1.000(*)
FRAP	-0.026	0.577	0.284	-0.201	-0.504	0.510	0.796	0.196	0.230	0.263	0.925	0.411	-0.504
PMA	0.090	0.668	0.393	-0.313	-0.600	0.606	0.860	0.308	0.342	0.150	0.963	0.302	-0.600
DPPH	0.352	0.842	0.624	-0.555	-0.792	0.796	0.965	0.550	0.580	-0.119	1.000(**)	0.037	-0.792
OH	-0.707	-0.990	-0.891	0.849	0.973	-0.975	-0.987	-0.846	-0.865	0.519	-0.912	0.379	0.973
H ₂ O ₂	-0.908	-0.477	-0.735	0.790	0.552	-0.546	-0.192	-0.793	-0.771	0.982	0.068	.999(*)	0.552
ABTS	0.210	0.754	0.502	-0.426	-0.693	0.698	0.916	0.422	0.454	0.028	0.989	0.184	-0.693
V9-L	Max.T	Min.T	MT	Rf	RH	SP	D	MWs	MnWs	pH	EC	Om	Alt.
TPC	-.999(*)	-0.770	-0.934	0.961	0.823	-0.819	-0.543	-0.963	-0.953	0.982	-0.308	0.941	0.823
TFC	0.794	1.000(**)	0.943	-0.911	-0.995	0.996	0.957	0.909	0.923	-0.627	0.851	-0.498	-0.995
FRAP	-0.437	0.188	-0.137	0.222	-0.102	0.109	0.474	-0.227	-0.192	0.638	0.685	0.751	-0.102
PMA	0.280	0.799	0.563	-0.490	-0.743	0.748	0.943	0.486	0.516	-0.044	0.997	0.113	-0.743
DPPH	-0.067	0.544	0.245	-0.161	-0.468	0.475	0.771	0.156	0.191	0.302	0.909	0.447	-0.468
OH	-0.399	0.229	-0.096	0.181	-0.144	0.150	0.511	-0.186	-0.151	0.605	0.715	0.722	-0.144
H ₂ O ₂	-0.495	-0.917	-0.740	0.679	0.878	-0.882	-0.994	-0.675	-0.701	0.275	-0.988	0.121	0.878

ABTS	0.254	0.782	0.540	-0.466	-0.725	0.730	0.933	0.462	0.493	-0.017	0.994	0.140	-0.725
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Max.T. Mean maximum temperature, Min.T. Mean minimum temperature, MT. Mean temperature, Rf. Average rain fall, RH. Relative humidity, SP. Surface pressure, D. Dew/frost point, MWs. Maximum wind speed, MnWs. Minimum wind speed, EC. Electrical conductivity, Om. Organic matter, Alt. altitude. *Correlation is significant at the 0.05 level (2-tailed),

**Correlation is significant at the 0.01 level (2-tailed).

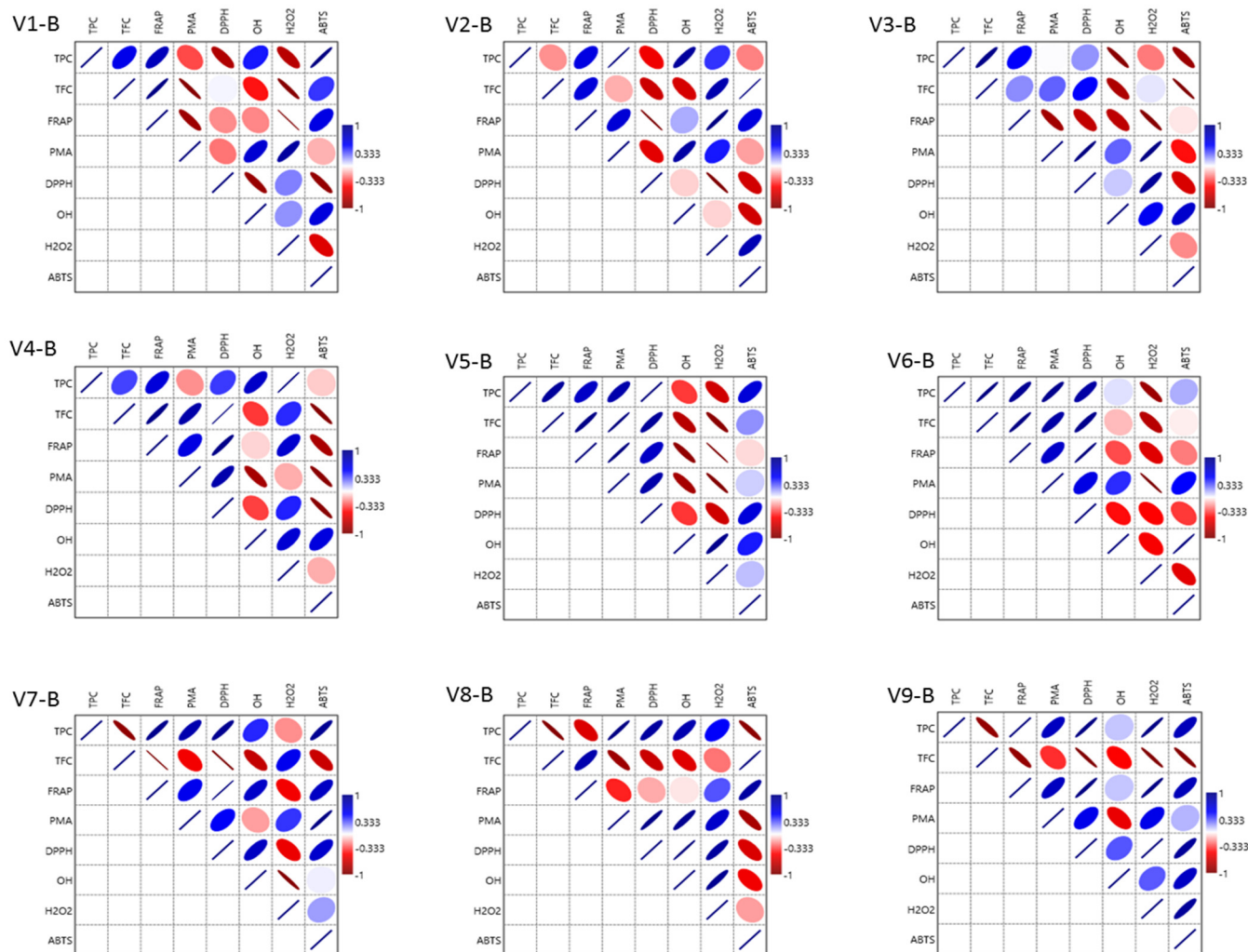


Figure S1. Correlation analysis between TPC, TFC and antioxidant activities in the bulbs of onion varieties

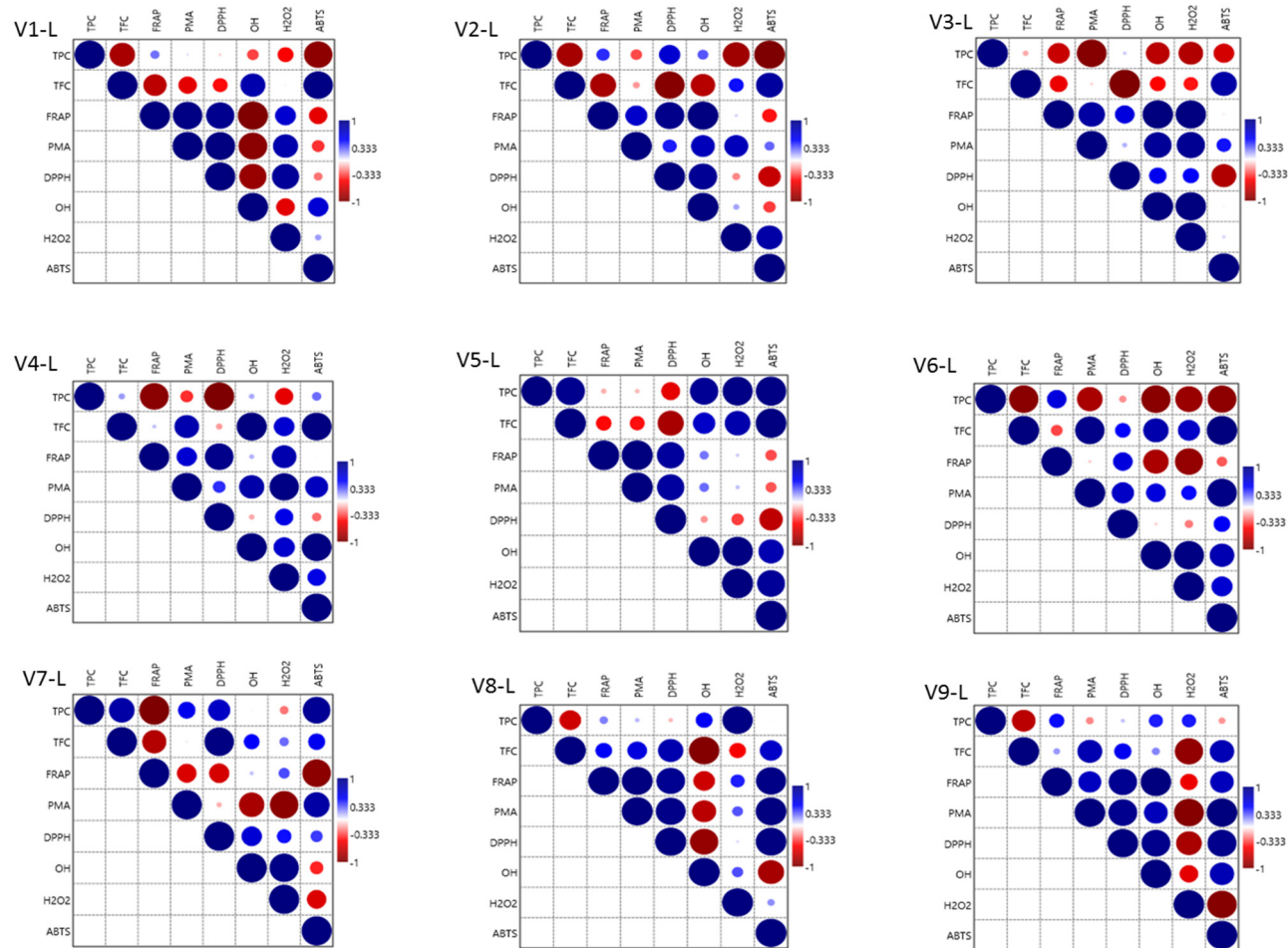


Figure S2. Correlation analysis between TPC, TFC and antioxidant activities in the leaves of onion varieties