

Table S1. Pearson's correlation coefficient between analysed parameters: growth index (Gi), dry weight (DW), content of polyphenols (TPC), flavonoids (TFC), monomeric anthocyanins (MAC) and antioxidant activity (DPPH).

Species	Exp. variant	Gi-DW	Gi-TPC	Gi-TFC	Gi-MAC	Gi-DPPH	DW-TPC	DW-TFC	DW-MAC	DW-DPPH	TPC-TFC	TPC-MAC	TPC-DPPH	TFC-MAC	TFC-DPPH	MAC-DPPH
		r value	r value	r value	r value	r value	r value	r value	r value	r value	r value	r value	r value	r value	r value	r value
<i>C. coggygia</i>	Control	0.373	-0.861	0.161	-0.966	-0.423	0.148	0.975	-0.598	0.682	0.361	0.703	0.824	-0.408	0.825	0.177
	15 Gy	0.755	-0.850	0.913	-0.855	-0.985	-0.297	0.956	-0.985	-0.855	-0.561	0.454	0.748	-0.992	-0.969	0.930
	20 Gy	-0.970	-0.474	-0.949	-0.722	0.834	0.671	0.997*	0.866	-0.941	0.726	0.951	-0.881	0.902	-0.964	-0.983
	25 Gy	0.224	0.224	-0.069	0.923	0.797	0.999*	0.958	0.580	-0.409	0.951	0.597	-0.389	0.323	-0.652	0.505
	30 Gy	-0.968	0.788	0.183	0.933	0.998*	-0.916	-0.420	-0.815	-0.979	0.748	0.515	0.815	0.181	0.227	0.916
	35 Gy	-0.969	0.319	0.198	-0.069	0.666	-0.079	0.046	0.310	-0.465	0.992	0.922	0.919	0.963	0.862	0.697
	40 Gy	0.871	0.333	0.877	0.968	-0.631	0.753	0.530	0.965	-0.169	-0.158	0.556	0.520	0.732	-0.925	-0.420
<i>F. ananassa</i>	Control	0.725	0.732	-0.374	0.971	-0.540	0.999* *	0.365	0.540	-0.971	0.356	0.548	-0.968	-0.585	-0.577	-0.324
	15 Gy	0.959	-0.544	-0.853	0.739	0.746	-0.758	-0.965	0.520	0.529	0.901	0.161	0.151	-0.281	-0.291	0.999**
	20 Gy	0.858	-0.255	0.177	0.950	0.334	-0.715	-0.352	0.655	0.770	0.906	0.059	-0.996	0.457	-0.867	0.024
	25 Gy	-0.985	0.998*	0.910	0.534	0.996	-0.993	-0.966	-0.385	-0.968	0.929	0.491	0.991	0.136	0.873	0.601
	30 Gy	-0.508	-0.763	-0.739	0.599	0.102	0.944	-0.202	0.384	-0.908	0.129	0.059	-0.720	-0.981	0.593	-0.735
	35 Gy	0.859	-0.034	-0.558	-0.502	0.555	-0.540	-0.903	-0.873	0.053	0.848	0.881	0.811	0.997*	0.379	0.439
	40 Gy	0.769	-0.785	-0.668	-0.496	-0.847	-0.209	-0.039	0.171	-0.313	0.985	0.927	0.994	0.977	0.961	0.881

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$, according to Pearson's correlation coefficient.