

Supplementary Materials

Table S1. The *C. humilis* flavonoid and carotenoid metabolism-related structural genes and their homologous genes.

<i>C. humilis</i> gene ID	Homologous gene ID	<i>C. humilis</i> gene name	Identity (%)	bit score
ouLi_016331-RA	AT2G37040.1	<i>ChPAL</i>	80.94	1229
ouLi_008981-RA	AT2G30490.1	<i>ChC4H</i>	72.73	421
ouLi_000029-RB	AT5G13930.1	<i>ChCHS</i>	75.44	95.1
ouLi_002001-RA	AT2G43570.1	<i>ChCHI</i>	53.20	204
ouLi_004921-RA	AT5G08640.1	<i>ChFLS</i>	60.80	431
ouLi_020095-RA	AT3G51240.1	<i>ChF3H</i>	82.51	602
ouLi_003659-RA	AT5G42800.1	<i>ChDFR</i>	74.01	530
ouLi_025349-RA	AT4G22880.1	<i>ChANS</i>	63.76	426
ouLi_010520-RA	AT5G54060.1	<i>ChUFGT</i>	57.77	250
ouLi_015020-RB	AT5G17230.3	<i>ChPSY</i>	70.59	605
ouLi_001612-RA	AT4G14210.1	<i>ChPDS</i>	81.69	965
ouLi_006033-RA	AT3G04870.1	<i>ChZDS</i>	76.21	795
ouLi_019396-RA	AT1G06820.1	<i>ChCRTISO</i>	85.25	958
ouLi_020488-RA	orange1.lg011835m.g	<i>ChLCYE</i>	93.33	94.4
ouLi_013072-RA	AT2G32640.1	<i>ChLCYB</i>	72.09	865
ouLi_015444-RA	AT5G52570.1	<i>ChCHYB</i>	67.41	414
ouLi_019786-RA	AT5G67030.1	<i>ChZEP</i>	70.99	948
ouLi_005872-RA	AT1G08550.1	<i>ChVDE</i>	49.57	387
ouLi_025636-RB	orange1.lg025796m.g	<i>ChNSY</i>	70.37	270