

Supplementary Table S1. The chalcone synthase family genes of *C. nankingense*

Gene name	Gene ID	Chromosomal position	Location coordinates	Predicted Protein information			Predicted subcellular location
				Mw (Da)	Size (aa)	pI	
CnCHS1	CHR00061989-RA	utg3320_pilon_pilon	5699 - 7363	43792.77	400	5.82	cytoplasm
CnCHS2	CHR00068181-RA	utg15112_pilon_pilon	67925 - 68985	35183.43	320	5.17	cytoplasm
CnCHS3	CHR00062939-RA	utg15963_pilon_pilon	13243 - 14247	36615.35	334	5.29	Nucleus
CnCHS4	CHR00027878-RA	utg18620_pilon_pilon	117603 - 119046	42931.55	390	6.14	chloroplast
CnCHS5	CHR00018287-RA	utg21191_pilon_pilon	234722 - 236142	39667.79	360	8.17	cytoplasm
CnCHS6	CHR00019175-RA	utg31268_pilon_pilon	236204 - 237780	43550.25	398	5.79	chloroplast
CnCHS7	CHR00019176-RA	utg31268_pilon_pilon	244981 - 246465	40432.75	367	6.47	chloroplast
CnCHS8	CHR00047213-RA	utg33468_pilon_pilon	72474 - 73883	42800.38	389	5.87	cytoplasm
CnCHS9	CHR00077726-RA	utg33905_pilon_pilon	49032 - 50430	32458.79	296	6.06	cytoplasm
CnCHS10	CHR00059250-RA	utg34566_pilon_pilon	21965 - 22957	36976.17	330	9.46	chloroplast
CnCHS11	CHR00080912-RA	utg50200_pilon_pilon	18557 - 20279	41666.91	378	5.85	chloroplast
CnCHS12	CHR00073521-RA	utg51561_pilon_pilon	12425 - 13968	22686.91	202	6.44	cytoplasm
CnCHS13	CHR00028844-RA	utg57825_pilon_pilon	38412 - 40582	43864.65	401	6.11	cytoplasm
CnCHS14	CHR00062418-RA	utg64979_pilon_pilon	49591 - 51181	43551.28	398	6.04	cytoplasm
CnCHS15	CHR00077616-RA	utg69937_pilon_pilon	4299 - 5702	43438.20	396	7.16	cytoplasm
CnCHS16	CHR00079924-RA	utg257772_pilon_pilon	5445 - 6136	21773.13	197	5.18	cytoplasm