

Flavonoid 3'-hydroxylase (F3'H)

BTx623 (Sb04g024710)	1	MDVPLPLLLGSLAVSVVWCLLRRGGDGKGKGKRPMPPGPRGPVLGNLPQLGSHPHHT *****
Nakei-MS3B (Sb04g024710N)	1	MDVPLPLLLGSLAVSVVWCLLRRGGDGKGKGKRPMPPGPRGPVLGNLPQLGSHPHHT
	61	MCALAKKYGPLFRLRGSAEVVVAASARVAAQFLRTHDANFSNRPPNSGAEHVAYNYQDM *****
	61	MCALAKKYGPLFRLRGSAEVVVAASARVAAQFLRTHDANFSNRPPNSGAEHVAYNYQDM
	121	AFAPYGSRWRLRKLCALHLFSAKALDDLRSIREGEVALLVRELSRHQHAGVPLGQVA *****
	121	AFAPYGSRWRLRKLCALHLFSAKALDDLRSIREGEVALLVRELSRHQHAGVPLGQVA
	181	NVCATNTLARATVGRRVFAVDGEEAREFKDMVVELMQLAGVFNVGDFVPALARLDLQGV *****
	181	NVCATNTLARATVGRRVFAVDGEEAREFKDMVVELMQLAGVFNVGDFVPALARLDLQGV
	241	VGKMKRLHRYDDMMNGIIRERKAAEGKDLLSVLLARTREQSIADGEDSRITETEIKA *****
	241	VGKMKRLHRYDDMMNGIIRERKAAEGKDLLSVLLARTREQSIADGEDSRITETEIKA
	301	LLLNLFTAGTDTSSTVEWALAEELIRHPDVLKKAQEELDAVVGRNRLVSELDLPRLYLT *****
	301	LLLNLFTAGTDTSSTVEWALAEELIRHPDVLKKAQEELDAVVGRNRLVSELDLPRLYLT
	361	AVIKETFRMHPSTPLSLPRIAAECEVDGFRIPIAGTLLVNWAIARDPEAWPEPLQFRP *****
	361	AVIKETFRMHPSTPLSLPRIAAECEVDGFRIPIAGTLLVNWAIARDPEAWPEPLQFRP
	421	DRFLPGGSHAGVDVKGSDFELIPFGAGRRCAGLSWGLRMVTLMTATLVHALDWDLADGM *****
	421	DRFLPGGSHAGVDVKGSDFELIPFGAGRRCAGLSWGLRMVTLMTATLVHALDWDLADGM
	481	TADKLDMEEAYGLTLQRAVPL KVRPA PRLLPSAYAAE (518aa) *****
	481	TADKLDMEEAYGLTLQRAVPL MVRPT PRLLPSAYAAE (518aa)

Figure S1