

Supplementary Table S3 The identified duplicated gene pairs among the eight anthocyanin-related *VcF3Hs*.

Sequence ID	Gene Name	Sequence ID	Gene Name	Ka	Ks	Ka_Ks	Duplication date/Mya	Duplication type
VaccDscf13-augustus-gene-41.36-mRNA-1	<i>VcF3H1</i>	VaccDscf30-augustus-gene-297.38-mRNA-1	<i>VcF3H2</i>	0.0012	0.0419	0.0287	0.1611	Segmental duplication
VaccDscf13-augustus-gene-41.36-mRNA-1	<i>VcF3H1</i>	VaccDscf32-augustus-gene-323.35-mRNA-1	<i>VcF3H3</i>	0.0012	0.0548	0.022	0.2109	Segmental duplication
VaccDscf13-augustus-gene-41.36-mRNA-1	<i>VcF3H1</i>	VaccDscf42-processed-gene-20.3-mRNA-1	<i>VcF3H4</i>	0.0012	0.0549	0.0219	0.211	Segmental duplication
VaccDscf16-augustus-gene-381.32-mRNA-1	<i>VcF3H5</i>	VaccDscf18-processed-gene-15.24-mRNA-1	<i>VcF3H8</i>	0.0047	0.0491	0.0967	0.1888	Segmental duplication
VaccDscf16-augustus-gene-381.32-mRNA-1	<i>VcF3H5</i>	VaccDscf31-augustus-gene-324.32-mRNA-1	<i>VcF3H6</i>	0.0059	0.0406	0.1461	0.1563	Segmental duplication
VaccDscf16-augustus-gene-381.32-mRNA-1	<i>VcF3H5</i>	VaccDscf7-processed-gene-48.23-mRNA-1	<i>VcF3H7</i>	0.0059	0.0705	0.0842	0.2711	Segmental duplication
VaccDscf18-processed-gene-15.24-mRNA-1	<i>VcF3H8</i>	VaccDscf31-augustus-gene-324.32-mRNA-1	<i>VcF3H6</i>	0.0036	0.0241	0.1475	0.0927	Segmental duplication
VaccDscf18-processed-gene-15.24-mRNA-1	<i>VcF3H8</i>	VaccDscf7-processed-gene-48.23-mRNA-1	<i>VcF3H7</i>	0.0035	0.0276	0.1263	0.1063	Segmental duplication
VaccDscf30-augustus-gene-297.38-mRNA-1	<i>VcF3H2</i>	VaccDscf32-augustus-gene-323.35-mRNA-1	<i>VcF3H3</i>	0	0.0375	0	0.1444	Segmental duplication
VaccDscf30-augustus-gene-297.38-mRNA-1	<i>VcF3H2</i>	VaccDscf42-processed-gene-20.3-mRNA-1	<i>VcF3H4</i>	0	0.029	0	0.1117	Segmental duplication
VaccDscf31-augustus-gene-324.32-mRNA-1	<i>VcF3H6</i>	VaccDscf7-processed-gene-48.23-mRNA-1	<i>VcF3H7</i>	0.0024	0.0448	0.0529	0.1723	Segmental duplication
VaccDscf32-augustus-gene-323.35-mRNA-1	<i>VcF3H3</i>	VaccDscf42-processed-gene-20.3-mRNA-1	<i>VcF3H4</i>	0	0.0418	0	0.1607	Segmental duplication