

VvMYBA1 (https://www.gephebase.org/search-criteria?/and+GeneGephebase=~VvMYBA1^#gephebase-summary-title)	Gephebase Gene	GP00001192	GepheID
Published	Entry Status	Martin	Main curator

	Trait Category
Morphology (https://www.gephebase.org/search-criteria?/and+Trait+Category=^Morphology^#gephebase-summary-title)	
	Trait
Coloration (fruit) (https://www.gephebase.org/search-criteria?/and+Trait=^Coloration(fruit)^#gephebase-summary-title)	
	Trait State in Taxon A
Vitis vinifera - red-skinned original VvmybA1 allele	
	Trait State in Taxon B
Vitis vinifera - white-skinned cultivar - VvmybA1a allele	
	Ancestral State
Taxon A	
	Taxonomic Status
Domesticated (https://www.gephebase.org/search-criteria?/and+Taxonomic+Status=^Domesticated^#gephebase-summary-title)	

GENOTYPIC CHANGE

Cis-regulatory (https://www.gephebase.org/search-criteria?/and+Molecular+Type=~Cis-regulatory~#gephebase-summary-title)	Molecular Type
Insertion (https://www.gephebase.org/search-criteria?/and+Aberration+Type=~Insertion~#gephebase-summary-title)	Aberration Type
1-10 kb	Insertion Size
Gret1 retrotransposon insertion	Molecular Details of the Mutation
Candidate Gene (https://www.gephebase.org/search-criteria?/and+Experimental+Evidence=~Candidate+Gene~#gephebase-summary-title)	Experimental Evidence
Retrotransposon-induced mutations in grape skin color. (2004) (https://pubmed.ncbi.nlm.nih.gov/15143274)	Main Reference
Kobayashi S; Goto-Yamamoto N; Hirochika H	Authors
-	Abstract
	Additional References

RELATED GEPHE

3 (VvMybA1 VvMybA2 VvMybA3 and VvMybA4, VvMYBA2, VvMYBA3) (https://www.gephebase.org/search-criteria?/or+Taxon+ID=~29760~/and+Trait=Coloration/and+groupHaplotypes=true#gephebase-summary-title)	Related Genes
5 (https://www.gephebase.org/search-criteria?/or+Gene+Gephebase=~VvMYBA1~/and+Taxon+ID=~29760~/or+Gene+Gephebase=~VvMYBA1~/and+Taxon+ID=~29760~#gephebase-summary-title)	Related Haplotypes

EXTERNAL LINKS

COMMENTS

@TE - Partially excised Gret1 retrotransposon in the promoter region of the MYBA1 anthocyanin regulator is associated with white-to-red berry skin color reversion (see other MYBA1 entry).