

Supplementary Information

Table S1. Synteny blocks of rboh genes between the grape and *Arabidopsis* genomes.

ID	Region 1 (Ath)			Region2 (Grape)			Gene in the synteny region		
	Chr	Start	Stop	Chr	Start	Stop	Gene 1	Gene 2	Gene 2 name
73	Chr1	2879642	3100357	chr14	2914570	115071	AT1G09090	GSVIVT01031128001	<i>VvrbohB</i>
153	Chr1	23719783	23949751	chr2	433948	1583057	AT1G64060	GSVIVT01019429001	<i>VvrbohA</i>
573	Chr4	6820033	6940539	chr2	779587	213715	AT4G11230	GSVIVT01019429001	<i>VvrbohA</i>
621	Chr5	19381519	19407400	chr1	22982647	22715106	AT5G47910	GSVIVT01001122001	<i>VvrbohC2</i>

Table S2. Primers used in this study.

Primer name	Sequence (5'–3')
<i>VvrbohA</i>	F: TTGTGTCTGGCACCAGGGTTAG R: TGCATTAGCGTGCTTGGTAGCTG
<i>VvrbohB</i>	F: CTTACCACCACCTACTCCTATCT R: AAGAACGGCTGTCTACTTGTG
<i>VvrbohC1</i>	F: ACCTCAATCACGCCAAGAAGGG R: ACCTCAATCACGCCAAGAAGGG
<i>VvrbohC2</i>	F: GCATCCTGATAGTCGAGTTGGC R: TCCAAAGCTAGTTGCCGTAGATCC
<i>VvrbohD</i>	F: CCACAGTAGAACAACCTCCAATC R: GGTGTCAGGAACCTCGTGTAAG
<i>VvrbohE</i>	F: TCCAAGCTATCAAGCATGCGAAAC R: GCCTTGCAAAGTGTGTCCTTACTC
<i>VvrbohH</i>	F: GACTACTTGAGCGTCCACATT R: CGGGAGGTTTGGTCATGTATAG
<i>Actin1</i>	F: GAT TCT GGT GAT GGT GTG AGT R: GAC AAT TTC CCG TTC AGC AGT