

**Table S1.** Primers designed and used in this work.

Primer:	Sequence 5' a 3'	Target and/or special features
<b>cDNA and gDNA amplification</b>		
1 pre_gCBR1-Fw	GCG CAC AAT GAC TGA AGG CTT	<i>CBR.1</i> gene
2 post_gCBR1-Rv	AAC CTA CAC AGA AGC TCT TGC	<i>CBR.1</i> gene
3 gCBR1-HpaI-Fw	CTT CAT CTC TCG TTA ACA CAT CAA ACA AAA CCC ATG A	<i>CBR.1</i> gene
4 gCBR1-HpaI-Rv	TTG TTT GAT GTG TTA ACG AGA GAT GAA GGG AGC AAG G	<i>CBR.1</i> gene
5 CTR_gCBR1-Fw	GTA CCC GTT GAT CAA GCG AGT	<i>CBR.1</i> gene
6 CTR_gCBR1-Rv	CAA GCT CGT CAA GTT CCT TCT	<i>CBR.1</i> gene
7 pre2-gCBR1_Fw	TCC GCA CAT ATC GTC CAA GTT C	<i>CBR.1</i> gene
8 post2_gCBR1-Rv	TGC TTC AAA CAG ACT CTA GAG G	<i>CBR.1</i> gene
9 del_gCBR1-Fw	GTC GCT GTG ACA TGC TGA TGT	<i>CBR.1</i> gene
10 del_gCBR1-Rv	TCT TAT TCC GCC CTT CCT ATC	<i>CBR.1</i> gene
11 cytb5Red_del-Fw	GTG GTG AGT CCT TTG ATC TGT	<i>CBR.2</i> gene
12 cytb5Red_del_HpaI-Fw	CAT CAC CCA TCG TTA ACA TTT GCC GCT AGA TGT TGA A	<i>CBR.2</i> gene
13 cytb5Red_del_HpaI-Rv	GCG GCA AAT GTT AAC GAT GGG TGA TGT GAT GTG ATG	<i>CBR.2</i> gene
14 cytb5Red_del-Rv	TGT ATC TTC CAG TCC GGT CTC	<i>CBR.2</i> gene
15 CTR_cytb5Red-Fw	CTT GAC GCT CTC TAA GGT TGA	<i>CBR.2</i> gene
16 CTR_cytb5Red-Rv	ACG CCA CAG ACA AAC ACC TTG	<i>CBR.2</i> gene
17 pre_cytb5Red_del_Fw	GTT CCA AGT CCC CGG TAT CTA	<i>CBR.2</i> gene
18 post_cytb5Red_del_Rv	AGA AAG ACA ACA GGA GGT AGG	<i>CBR.2</i> gene
19 Zeo.F	GAC TTC GTG GAG GAC GAC TT	<i>Sh ble</i> gene
20 Zeo.R	CGC TGA TGA ACA GGG TCA C	<i>Sh ble</i> gene
21 H-out.F	CTC GAT GAG CTG ATG CTT TG	<i>hph</i> gene
22 H-out.R	TCC ATC ACA GTT TGC CAG TG	<i>hph</i> gene
<b>RT-qPCR analysis:</b>		
23 crtR_RT.F	TGTGTTGGCCTGGAAACAAGAC	<i>crtR</i> gene
24 crtR_RT.R	TGTCGTAACCGAGGTTCTAACCA	<i>crtR</i> gene
25 cytb5_RT.F	CGTCCGATTCTGGAAAGATTACCC	<i>CYB5</i> gene
26 cytb5_RT.R	AAGCTGGTAAGGATGCGACTGA	<i>CYB5</i> gene
27 RT-CBR1.F	AAGCACATCGACGGACTCAA	<i>CBR.1</i> gene
28 RT-CBR1.R	TTCCTCGGTACATTAGCGT	<i>CBR.1</i> gene
29 cytb5R_RT.F	CAAGGCTGGCTCAAGGGTACATT	<i>CBR.2</i> gene
30 cytb5R_RT.R	TCTTGCTTCGAAAGGAATGGGACG	<i>CBR.2</i> gene
31 mactF-RT	CCGCCCTCGTAGTGATAAC	<i>ACT</i> gene
32 mactR-RT	TCACCAACGTAGGAGTCCTT	<i>ACT</i> gene