

Table S8 Key differential expressed genes during the post-anthesis color change in butterfly rose.

Gene	Gene family	Genome id
<i>RcPAL2</i>	Phenylalanine ammonia-lyase (PAL)	RchiOBHmChr3g0469861
<i>RcUF3GT1</i>	UDP- glycosyltransferase (UGT)	RchiOBHmChr1g0383951
<i>RcGSTF2</i>	Gluthatione <i>S</i> -transferase (GST)	RchiOBHmChr3g0488551
<i>RcMYB1</i>	R2R3-MYB	RchiOBHmChr3g0492711
<i>RcMYB114a</i>	R2R3-MYB	RchiOBHmChr2g0116041
<i>RcMYB41</i>	R2R3-MYB	RchiOBHmChr1g0354061
<i>RcMYB106L</i>	R2R3-MYB	RchiOBHmChr7g0181821
<i>RcBBX28</i>	B-box zinc finger (BBX)	RchiOBHmChr5g0036301
<i>RcBBX31</i>	B-box zinc finger (BBX)	RchiOBHmChr2g0160161
<i>RcBBX32</i>	B-box zinc finger (BBX)	RchiOBHmChr2g0149701
<i>RcHY5</i>	basic leucine zipper (bZIP)	RchiOBHmChr6g0298231
<i>RcHYH</i>	basic leucine zipper (bZIP)	RchiOBHmChr4g0428031
<i>RcbZIP8</i>	basic leucine zipper (bZIP)	RchiOBHmChr2g0108691
<i>RcbZIP29</i>	basic leucine zipper (bZIP)	RchiOBHmChr6g0257641
<i>RcSPA1</i>	WD40	RchiOBHmChr1g0358871
<i>RcRUP1</i>	WD40	RchiOBHmChr1g0377161
<i>RcCOP1L</i>	WD40	RchiOBHmChr5g0001791
<i>RcSPA3</i>	WD40	RchiOBHmChr5g0033591
<i>RcNAC034</i>	NAM, ATAF, and CUC (NAC)	RchiOBHmChr2g0122871
<i>RhNAC069</i>	NAM, ATAF, and CUC (NAC)	RchiOBHmChr5g0034761
<i>RcNAC070</i>	NAM, ATAF, and CUC (NAC)	RchiOBHmChr5g0034821
<i>RcWRKY30</i>	WRKY	RchiOBHmChr4g0429851
<i>RcWRKY32</i>	WRKY	RchiOBHmChr4g0439041
<i>RcWRKY34</i>	WRKY	RchiOBHmChr5g0002561
<i>RcWRKY36</i>	WRKY	RchiOBHmChr5g0013131