

Table 1 Regression equations and correlation coefficients relating the cumulative expression of the anthocyanin biosynthetic genes during berry development, from 2 WAF to maturity, with the corresponding anthocyanin concentration (mg/g) in skins of Shuang Hong grapes

Gene / Anthocyanins type	Regression equation	Correlation coefficient (R^2)
<i>PAL</i> /Total	$y=5.787x-5.5908$	0.8093
<i>CHS3</i> /Total	$y=0.847x-0.7834$	0.8064
<i>CHI</i> /Total	$y=5.1728x-4.1129$	0.7329
<i>F3H2</i> /Total	$y=1.1514x-0.4322$	0.8902
<i>F3'H</i> /Cyanidin	$y=0.0395x-0.0339$	0.8990
<i>F3'5'H</i> /Delphinidin	$y=154.64x-150.03$	0.8892
<i>DFR</i> /Total	$y=0.8885x-0.2856$	0.8790
<i>LDOX</i> /Total	$y=4.3846x-3.0429$	0.7679
<i>UFGT</i> /Monoglucosides	$y=0.2943x-0.1089$	0.9191
<i>OMT</i> /Methoxyl	$y=1.4325x-1.2319$	0.9302
<i>GST</i> /Total	$y=0.9264x-0.9135$	0.9436