**Table S3 HPLC-DAD and HPLC-ESI-MSanalysis of anthocyanin in acidic MeOH-H2O extracts of the wild-type *Arabidopsis* and*RdCHS1* over-expressing lines**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Peak number** | **Identifacation/tentative**  **identification** | **Retention time (min)** | **λmax (nm)** | **ESI-MS (m/z)** | **References** |
| **1** | **Cyanidin 3-*O*-[2*''*-*O*-(xylosyl) 6*''*-*O*-(*p*-*O*-(glucosyl) *p*-coumaroyl) glucoside] 5-*O*-[6*''''*-*O*-(malonyl) glucoside]** | **45.565** | **266**  **526** | **287.1[Cy+H]+**  **1137.4[M+H]+** | **Takayuki Tohge, Yasutaka Nishiyama et al., 2005 [**[**1**](#_ENREF_1)**]** |
| **2** | **Cyanidin 3-*O*-[2*''*-*O*-(6*'''*-*O*-(sinapoyl) xylosyl) 6*''*-*O*-(p-*O*-(glucosyl)-*p*-coumaroyl) glucoside] 5-*O*-(6*''''*-*O*-malonyl) glucoside** | **47.720** | **294**  **534** | **287.0[Cy+H]+**  **1343.2[M+H]+** | **Stephen J. Bloora, Sharon Abrahamsb., 2002 [**[**2**](#_ENREF_2)**]** |
| **3** | **Pelargonidin derivatives** | **56.831** | **282**  **527** | **271.2[Pg+H]+** |  |
| **4** | **Pelargonidin derivatives** | **57.605** | **284**  **534** | **271.3[Pg+H]+** |  |

Reference list for Tables S3

1. Tohge T, Nishiyama Y, Hirai MY, Yano M, Nakajima J, et al. (2005) Functional genomics by integrated analysis of metabolome and transcriptome of Arabidopsis plants over-expressing an MYB transcription factor. Plant J 42: 218-235.

2. Stephen J. Bloora, Sharon Abrahamsb (2002) The structure of the major anthocyanin in Arabidopsis thaliana. Phytochemistry 59: 343-346.