**Supplementary Table 4.** Summary of SNPs associated to seasonal data of fruit acidity-related traits in the apricot accessions panel.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SNP** | **Chr** | **Pos** | ***p*-value** | **Trait** | **Tissue** |
| **season 2017** | | | | | |
| SNP9500 | 1 | 2944685 | 8.41E-07 | TA | Flesh |
| SNP15456 | 1 | 25240300 | 2.76E-06 | TA | Flesh |
| SNP20840 | 1 | 34540563 | 1.17E-07 | MCratio | Flesh |
| 1 | 34540563 | 7.01E-08 | MCratio | Peel |
| SNP41976 | 2 | 21069861 | 4.62E-08 | MAL | Flesh |
| SNP41985 | 2 | 21209155 | 8.32E-08 | CIT | Flesh |
| SNP42499 | 2 | 22608194 | 6.00E-06 | CIT | Peel |
| SNP43067 | 2 | 23971520 | 3.04E-06 | MAL | Peel |
| 2 | 23971520 | 7.51E-06 | MCratio | Flesh |
| SNP43045 | 2 | 23944287 | 1.28E-06 | MCratio | Peel |
| SNP37452 | 3 | 25129609 | 9.06E-05 | MAL | Peel |
| SNP35701 | 3 | 23601991 | 5.82E-06 | TA | Flesh |
| SNP35802 | 3 | 23840788 | 2.27E-06 | TA | Peel |
| SNP25002 | 4 | 9088064 | 3.87E-07 | CIT | Flesh |
| SNP24606 | 4 | 11662119 | 9.69E-07 | TA | Peel |
| SNP26227 | 4 | 13967026 | 1.35E-09 | MCratio | Peel |
| SNP25399 | 4 | 14796407 | 7.55E-14 | TA | Flesh |
| SNP48320 | 5 | 916432 | 8.52E-08 | TA | Flesh |
| SNP50774 | 5 | 10260438 | 5.81E-06 | TA | Peel |
| SNP4299 | 6 | 14671709 | 6.16E-06 | CIT | Flesh |
| SNP4387 | 6 | 14989678 | 2.84E-05 | CIT | Peel |
| SNP4641 | 6 | 16063675 | 1.00E-06 | TA | Peel |
| SNP4934 | 6 | 16782309 | 3.11E-05 | MAL | Flesh |
| SNP4918 | 6 | 16871539 | 2.22E-08 | TA | Flesh |
| SNP55849 | 7 | 9821645 | 1.87E-05 | TA | Flesh |
| SNP58683 | 7 | 10691779 | 2.59E-05 | CIT | Flesh |
| SNP59562 | 7 | 13333975 | 4.18E-06 | MAL | Flesh |
| SNP59284 | 7 | 20070602 | 1.66E-06 | TA | Peel |
| SNP44967 | 8 | 5093776 | 2.67E-05 | TA | Flesh |
| SNP46706 | 8 | 5693096 | 6.78E-13 | MAL | Flesh |
| SNP46815 | 8 | 5943919 | 2.35E-06 | CIT | Peel |
| SNP46906 | 8 | 6193099 | 2.52E-06 | MAL | Peel |
| SNP46961 | 8 | 6316393 | 1.49E-09 | CIT | Flesh |
| SNP47053 | 8 | 6508723 | 9.43E-07 | MCratio | Flesh |
| SNP47468 | 8 | 7708356 | 2.13E-18 | MCratio | Peel |
| **season 2018** | | | | | |
| SNP9985 | 1 | 4235561 | 8.10E-05 | TA | flesh |
| SNP10670 | 1 | 6707766 | 1.01E-08 | CIT | skin |
| SNP13443 | 1 | 19790450 | 4.76E-05 | TA | flesh |
| SNP14726 | 1 | 22377048 | 5.27E-08 | CIT | skin |
| SNP15809 | 1 | 24892952 | 3.98E-05 | CIT | flesh |
| SNP20429 | 1 | 33523966 | 9.08E-06 | CIT | skin |
| SNP22041 | 1 | 37825467 | 3.84E-11 | MCratio | flesh |
| SNP22543 | 1 | 38987946 | 7.89E-06 | MAL | flesh |
| SNP23001 | 1 | 40670187 | 2.52E-05 | MCratio | skin |
| SNP38032 | 2 | 1709187 | 1.81E-05 | CIT | flesh |
| SNP38316 | 2 | 3345356 | 1.72E-05 | CIT | flesh |
| SNP41458 | 2 | 19466711 | 3.02E-06 | CIT | flesh |
| SNP41771 | 2 | 20540417 | 1.47E-07 | MAL | skin |
| SNP41883 | 2 | 20740376 | 8.93E-09 | MCratio | skin |
| SNP41353 | 2 | 23179504 | 5.11E-06 | TA | skin |
| SNP42959 | 2 | 23715284 | 2.42E-09 | MCratio | flesh |
| SNP43093 | 2 | 24034709 | 1.33E-09 | CIT | skin |
| SNP43207 | 2 | 24286992 | 3.75E-05 | MAL | flesh |
| SNP44203 | 2 | 26113823 | 1.14E-05 | MAL | skin |
| SNP32401 | 3 | 4758261 | 2.03E-07 | MCratio | skin |
| SNP35941 | 3 | 24475898 | 7.11E-06 | TA | flesh |
| SNP36412 | 3 | 25745004 | 1.43E-06 | TA | skin |
| SNP24381 | 4 | 4898583 | 8.47E-06 | CIT | flesh |
| SNP25204 | 4 | 9824473 | 7.40E-06 | MAL | flesh |
| SNP24495 | 4 | 11369329 | 1.34E-07 | TA | skin |
| SNP25460 | 4 | 14866196 | 1.44E-06 | TA | flesh |
| SNP26428 | 4 | 14967337 | 1.05E-07 | CIT | skin |
| SNP53618 | 5 | 11243739 | 5.56E-06 | MAL | skin |
| SNP56400 | 5 | 17610622 | 7.10E-06 | MAL | skin |
| SNP2661 | 6 | 6813474 | 1.47E-05 | CIT | flesh |
| SNP4077 | 6 | 14029595 | 9.00E-06 | TA | skin |
| SNP4316 | 6 | 14724439 | 1.41E-05 | MAL | flesh |
| SNP4511 | 6 | 15258036 | 8.24E-07 | CIT | flesh |
| SNP5574 | 6 | 17992097 | 2.57E-07 | CIT | skin |
| SNP7269 | 6 | 22646508 | 1.77E-05 | MAL | skin |
| SNP58967 | 7 | 11550283 | 3.79E-06 | CIT | skin |
| SNP44757 | 8 | 4445480 | 9.51E-06 | TA | skin |
| SNP46877 | 8 | 6044576 | 4.74E-07 | MAL | flesh |
| SNP47053 | 8 | 6508723 | 8.21E-09 | MCratio | skin |
| SNP47071 | 8 | 6522047 | 7.59E-14 | CIT | skin |
| 1.27E-06 | MAL | skin |
| 4.13E-08 | CIT | flesh |
| SNP47073 | 8 | 6524584 | 1.26E-08 | MCratio | flesh |
| **Season 2019** | | | | | |
| SNP12566 | 1 | 15320167 | 1.05E-05 | CIT | flesh |
| SNP13467 | 1 | 19896822 | 1.19E-06 | TA | flesh |
| SNP18957 | 1 | 30904031 | 6.58E-07 | MAL | flesh |
| SNP20046 | 1 | 32821874 | 4.48E-05 | CIT | flesh |
| SNP23067 | 1 | 40962943 | 5.91E-06 | MCratio | skin |
| 1.61E-08 | MCratio | flesh |
| SNP22559 | 1 | 42531314 | 1.11E-05 | TA | flesh |
| SNP38192 | 2 | 2860785 | 4.35E-05 | MAL | skin |
| SNP38880 | 2 | 16560297 | 3.92E-06 | TA | skin |
| SNP39859 | 2 | 19093454 | 1.23E-06 | TA | flesh |
| SNP41705 | 2 | 20270211 | 6.66E-06 | CIT | flesh |
| SNP41771 | 2 | 20540417 | 4.24E-06 | Mcr | skin |
| SNP42394 | 2 | 22356505 | 5.05E-09 | CIT | skin |
| SNP42444 | 2 | 22474569 | 5.95E-08 | MAL | flesh |
| SNP42713 | 2 | 23033444 | 2.18E-08 | MCratio | flesh |
| SNP43375 | 2 | 24523231 | 4.53E-07 | MAL | skin |
| SNP44203 | 2 | 26113823 | 2.47E-05 | MAL | flesh |
| SNP31287 | 3 | 1952632 | 8.53E-06 | MAL | flesh |
| SNP32486 | 3 | 5212574 | 2.27E-06 | CIT | skin |
| SNP35941 | 3 | 24475898 | 4.90E-07 | TA | flesh |
| SNP36397 | 3 | 25734873 | 2.37E-07 | TA | skin |
| SNP24268 | 4 | 10100281 | 1.81E-06 | TA | flesh |
| SNP24446 | 4 | 10745830 | 5.55E-07 | TA | skin |
| SNP28801 | 4 | 22327060 | 1.65E-07 | MAL | flesh |
| SNP51536 | 5 | 4909183 | 3.56E-06 | CIT | skin |
| SNP50317 | 5 | 9080762 | 2.34E-05 | TA | skin |
| SNP52917 | 5 | 9737245 | 1.12E-06 | MAL | skin |
| SNP54666 | 5 | 13414654 | 2.42E-11 | MCratio | skin |
| 2.14E-09 | MCratio | flesh |
| SNP56060 | 5 | 16776438 | 9.95E-06 | MAL | flesh |
| SNP2791 | 6 | 7005870 | 1.93E-05 | CIT | skin |
| SNP4180 | 6 | 14218311 | 5.31E-06 | MAL | skin |
| SNP57253 | 7 | 2159979 | 1.42E-07 | MAL | flesh |
| SNP58413 | 7 | 9945071 | 4.83E-07 | MAL | flesh |
| SNP58441 | 7 | 10054812 | 2.67E-05 | CIT | flesh |
| SNP58975 | 7 | 19133075 | 1.12E-05 | TA | skin |
| SNP46814 | 8 | 5943907 | 1.11E-11 | CIT | skin |
| SNP46906 | 8 | 6193099 | 4.33E-07 | MAL | skin |
| 2.04E-13 | MAL | flesh |
| SNP46961 | 8 | 6316393 | 3.78E-07 | CIT | flesh |
| SNP47053 | 8 | 6508723 | 1.24E-07 | MCratio | skin |
| SNP47073 | 8 | 6524584 | 3.27E-10 | MCratio | flesh |