

Supplementary data

Genetic regulation and the impact of omics in fruit ripening

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Supplementary Table 1 Gene identifiers of *rin*, *nor* and *Cnr* loci in arabidopsis, orange, wild strawberry, apple and tomato.

Arabidopsis Generic – NCBI* ID	Tomato Generic – NCBI ID	Orange Generic – NCBI ID	Apple Generic – NCBI ID	Strawberry Generic – NCBI ID
At_CNR - NP_565771.1 COLORLESS NON-RIPENING	Soly_CNR - XP_004232900.1 -	Cs_CNR - KDO77620.1	Mdom_CNR - XP_008367070.1	Fv_CNR - XP_004293885.1
At_RIN - AAA32732.1 RIPENING INHIBITOR	Soly_RIN - NM_001247741.1	Cs_RIN - XP_006482430.1	Mdom_RIN - XP_008350888.1	Fv_RIN - XP_004299281.1
At_NOR - NP_188170.1 NONRIPENING	Soly_NOR - AY573802.1 -	Cs_NOR - XP_006464707.1	Mdom_NOR - NP_001280984.1	Fv_NOR - XP_004293567.1

*NCBI: National Center for Biotechnology Information

Supplementary Table 2 Gene identifiers of of fruit development related *loci* (Roeder and Yanofsky, 2006)* in arabidopsis, orange, wild strawberry, apple and tomato.

Arabidopsis Generic – NCBI** ID	Tomato Generic – NCBI ID	Orange Generic – NCBI ID	Apple Generic – NCBI ID	Strawberry Generic – NCBI ID
AtER - AT2G26330 ERECTA	SolyER - XP_004245043.1	CsER - XP_006474503.1	MdomER - XP_008393579.1	FvER - XP_004303459.1
AtCRC - AT1G69180 CRABS CLAW	SolyCRC - XP_004239032.1	CsCRC - XP_006484236.1	MdomCRC - XP_008339784.1	FvCRC - XP_004298356.1
AtPHV - AT1G30490 PHAVOLUTA	SolyPHV - XP_004231568.1	CsPHV - XP_006468303.1	MdomPHV - XP_008349150.1	FvPHV - XP_004293989.1
AtKAN2 - AT1G32240 KANADI	SolyKAN2 - XP_004241756.1	CsKAN2 - XP_006471519.1	MdomKAN2 - XP_008341060.1	FvKAN2 - XP_004300205.1
AtPIN1 - AT1G73590 PIN-FORMED 1	SolyPIN1 - NP_001234163.1	CsPIN1 - XP_006490772.1	MdomPIN1 - XP_008393426.1	FvPIN1 - XP_004299530.1
AtPKL - AT2G25170 PICKLE	SolyPKL - XP_004241797.1	CsPKL - XP_006483455.1	MdomPKL - XP_008377665.1	FvPKL - XP_004291943.1
AtSHP2 - AT2G42830 SHATTERPROOF 2	SolySHP2 - NP_001266181.1	CsSHP2 - XP_006484831.1	MdomSHP2 - NP_001280918.1	FvSHP2 - XP_004309724.1
AtETT - AT2G33860 ETTIN	SolyETT - NP_001234316.1	CsETT - KDO77719.1	MdomETT - XP_008371422.1	FvETT - XP_004293901.1

AtPHB - AT2G34710 PHABULOSA	SolyPHB - XP_004231568.1	CsPHB - XP_006468303.1	MdomPHB - XP_008372224.1	FvPHB - XP_004293989.1
AtPINOID - AT2G34650 PINOID	SolyPINOID - XP_004251575.1	CsPINOID - KDO75345.1	MdomPINOID - XP_008383433.1	FvPINOID - XP_004304710.1
AtP450 - AT3G61880 CYTOCHROME P450	SolyP450 - XP_004230013.1	CsP450 - XP_006491339.1	MdomP450 - XP_008343443.1	FvP450 - XP_004306631.1
AtSTY1 - AT3G51060 STYLISH 1	SolySTY1 - XP_004232450.1	CsSTY1 - KDO71069.1	MdomSTY1 - XP_008338021.1	FvSTY1 - XP_004291405.1
AtCUC1 - AT3G15170 CUP-SHAPED COTYLEDON1	SolyCUC1 - NP_001234254.1	CsCUC1 - XP_006464809.1	MdomCUC1 - XP_008355378.1	FvCUC1 - XP_004291499.1
AtSHP1 - AT3G58780 SHATTERPROOF 1	SolySHP1 - NP_001266181.1	CsSHP1 - XP_006484831.1	MdomSHP1 - XP_008342376.1	FvSHP1 - XP_004309724.1
AtSPT - AT4G36930 SPATULA	SolySPT - XP_004233601.1	CsSPT - XP_006466588.1	MdomSPT - XP_008338329.1	FvSPT - XP_004288023.1
AtAG - AT4G18960 AGAMOUS	SolyAG - NP_001266181.1	CsAG - XP_006467576.1	MdomAG - XP_008383546.1	FvAG - XP_004293647.1
AtSTY2 - AT4G36260 STYLISH 2	SolySTY2 - XP_004232450.1	CsSTY2 - KDO71069.1	MdomSTY2 - XP_008387990.1	FvSTY2 - XP_004291405.1
AtIND - AT4G00120 INDEHISCENT	SolyIND - XP_004250450.1	CsIND - XP_006464873.1	MdomIND - XP_008371659.1	FvIND - XP_004289411.1
AtLEUNIG - AT4G32551 LEUNIG	SolyLEUNIG - XP_004241804.1	CsLEUNIG - KDO79600.1	MdomLEUNIG - XP_008386062.1	FvLEUNIG - XP_004287384.1
AtTSL - AT5G20930 TOUSLED	SolyTSL - NP_001234393.1	CsTSL - XP_006487813.1	MdomTSL - XP_008385597.1	FvTSL - XP_004295135.1
AtCUC2 - AT5G53950 CUP-SHAPED COTYLEDON2	SolyCUC2 - NP_001234254.1	CsCUC2 - XP_006464809.1	MdomCUC2 - XP_008355378.1	FvCUC2 - XP_004291499.1
AtALC - AT5G67110 ALCATRAZ	SolyALC - XP_004233601.1	CsALC - KDO79178.1	MdomALC - XP_008338329.1	FvALC - XP_004288023.1
AtKAN1 - AT5G16560 KANADI 1	SolyKAN1 - XP_004240040.1	CsKAN1 - XP_006471519.1	MdomKAN1 - XP_008381352.1	FvKAN1 - XP_004299501.1
AtFUL - AT5G60910 FRUITFULL	SolyFUL - NP_001234173.1	CsFUL - XP_006477715.1	MdomFUL - XP_008393256.1	FvFUL - XP_004299280.1
AtAGL15 - AT5G13790 AGAMOUS-LIKE 15	SolyAGL15 - XP_004229674.1	CsAGL15 - XP_006482951.1	MdomAGL15 - XP_008346945.1	FvAGL15 - XP_004307242.1
AtBLH9 - AT5G02030 BEL1-LIKE HOMEODOMAIN 9	SolyBLH9 - XP_004246395.1	CsBLH9 - XP_006480898.1	MdomBLH9 - XP_008363517.1	FvBLH9 - XP_004302698.1

*Roeder AHK, Yanofsky MF (2006) Fruit development in *Arabidopsis*. The Arabidopsis Book. 4:e0075.

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