

Table S2. Haplotypes and phenotypes of *A. thaliana* accessions genotyped at *FRD3*

Name	Haplotype <sup>a</sup>	IC50 <sup>b</sup>	AV code <sup>c</sup>	NASC code <sup>d</sup>	Name	Haplotype	IC50	AV code	NASC code
9481B	Sha	191	261AV	CS22460	Mh-0	Col		175AV	N904
Abd-0	Ita		177AV	N932	Mh-1	Col	193*	215AV	N1368
Akita	Ita	189*	252AV	-	Mir-0	Col		216AV	N1378
Alc-0	Cvi	142*	178AV	N1656	Ms-0	Ita		93AV	N905
Altai-2	Cvi		547AV	-	Mt-0	Ita	144*	94AV	N1380
Altai-5	Cvi		548AV	-	N10	Ita		265AV	CS22488
An-1	Ita		96AV	N944	N13	Col	146*	266AV	CS22491
Anz-1a	Col		705AV		N14	Col		267AV	CS22492
Bay-0	Bay	165*	41AV	N954	N15	Ita		268AV	CS22493
Bik-1	Col		541AV	-	N4	Col		260AV	CS22482
Bik-7	Cvi		543AV	-	N6	Ita		262AV	CS22484
Bl-1	Ita	128*	42AV	N968	N7	Col		263AV	CS22485
Bla-1	Ita		76AV	N970	N8	Ita		264AV	CS22486
Blh-1	Cvi	159*	180AV	N1030	Nd-1	Bay		220AV	N1636
Br-0	Ita		60AV	N994	Neo-3	Sha		539AV	-
Bur-0	Col	195*	172AV	N1028	Néo-6	Sha		540AV	-
C24	Ita		183AV	N906	Niigata	Ita		255AV	-
Can-0	Bay	170*	163AV	N1064	No-0	Bay		49AV	N3081
Chi-0	Ita		89AV	N1072	Ost-0	Col		61AV	N1430
Co-4	Bay		174AV	N1090	Oy-0	Col	166*	224AV	N1436
Col-0	Col	193*	186AV	N1092	Pa-1	Ita		50AV	N1438
Ct-1	Bay	155*	162AV	N1094	Per-1	Ita		100AV	N1444
Cvi-0	Cvi	149*	166AV	N902	Petergof	Ita		226AV	N926
Db-1	Col		132AV	N1102	Pi-0	Ita		40AV	N1454
Dja-1	Cvi		534AV	-	Pyl-1	Ita	206*	8AV	-
Dja-5	Cvi		535AV	-	Qar-8a	Col		549AV	-
Dr-0	Ita		51AV	N1114	Rak-2	Ita		228AV	N1484
Dra-0	Col		194AV	N1116	Ran	Col		21AV	-
Edi-0	Bay	154*	83AV	N1122	Ri-0	Ita		160AV	N1492
Enkheim-T	Ita		197AV	N921	Rld-2	Col		229AV	N1641
Est-0	Ita		71AV	N1148	Rsch-4	Ita		90AV	N1494
Fl-1	Col		199AV	N1160	Rubezhnoe-1	Cvi	137	231AV	N927
Ge-0	Ita		101AV	N1186	Sah-0	Ita		233AV	N1500
Gr-3	Col		58AV	N1202	Sakata	Ita	190*	257AV	-
Gre-0	Bay	154*	200AV	N1210	Sap-0	Bay		234AV	N1506
Had-1b	Cvi		544AV	-	Sav-0	Ita		235AV	N1514
Hiroshima	Sha	187	254AV	-	Shahdara	Sha	136*	236AV	N929
Hodja-Obi-Garm	Cvi	128	203AV	CS922	Sorbo	Ita		238AV	CS931
Ishikawa	Sha	133	253AV	-	Sp-0	Col		53AV	N1530
Ita-0	Ita	151*	157AV	N1244	St-0	Bay	154*	62AV	N1534
Jea	Col	166*	25AV	-	Stw-0	Sha	139*	92AV	N1538
Jl-3	Ita		205AV	N1252	Sus-1	Cvi		533AV	-
Jm-0	Col		206AV	N1258	Ta-0	Col		56AV	N1548
Ka-0	Col		55AV	N1266	Te-0	Ita		68AV	N1550
Kar-1	Cvi		531AV	-	Tokushima	Ita		258AV	-
Kar-2	Cvi		532AV	-	Tsu-0	Ita	128*	91AV	N1564
Kas-1	Ita		108AV	N903	WestKar-3	Cvi		709AV	
Kin-0	Ita		209AV	N1272	WestKar-4	Cvi		710AV	
Kn-0	Ita	145*	70AV	N1286	Wil-1	Col		72AV	N1594
Ko-2	Bay		46AV	N1288	Ws	Ita		244AV	-
Kondara	Cvi	158	190AV	N916	Ws-0	Bay		84AV	N915
Kyr-1	Cvi		538AV	-	Yo-0	Ita		250AV	N1622
Ldv-5	Col		11AV	-	Zal-1	Cvi		536AV	-
Ler-1	Ita		213AV	N1642	Zal-3	Cvi		537AV	-
Lip-0	Ita		63AV	N1336					

- Representative haplotype according to Figure S7
- Inhibitory concentration 50 ( $\mu$ M) determined as the Zn concentration that reduced primary root length to 50% of control. Stars refer to data from reference [16].
- Accession number according to INRA Versailles Genomic Resource Centre (<http://dbsgap.versailles.inra.fr/vnat/>)
- Accession number according to NASC, European Arabidopsis Stock Centre (<http://arabidopsis.info>)