

Supplement Table 1: Analysis of COS markers in the vicinity of homologous tomato and *Arabidopsis* iron uptake genes. Tomato COS marker amino acid sequences were used to identify *Arabidopsis* homologs using BLASTP at <http://www.arabidopsis.org/Blast/>. *Arabidopsis* COS markers were marked by the same colours as the respective iron uptake gene homologs if they were located within +/- 400 genes (ca. +/- 2Mb) from them (for *Arabidopsis* iron uptake gene colours see Table 1). For example COS marker T1654-At1g29520 has the same colour as At1g31260-*ZIP10*, whereas T1105-At5g43280 has the same colour as At5g45105-*ZIP8*.

Iron uptake tomato gene	COS marker within 10 cM distance of iron uptake tomato gene	<i>Arabidopsis</i> protein with sequence similarity to encoded protein of tomato COS marker	E-value of BLASTP alignment search (TAIR website)	Score (bits)
<i>LeIRT1, LeIRT2</i>	T1516	At2g34460	2e-032	135
<i>c2</i>	T1654	At1g29520	6e-060	227
		At5g18970	8e-028	120
		At1g04560	1e-023	106
	T1105	At5g43280	7e-071	263
	T1227	At5g63890	1e-045	179
	T1238	At4g34280	8e-034	140
	T1256	At2g34560	7e-062	233
		At1g80350	4e-035	145
		At2g27600	1e-028	123
		At3g27120	2e-024	109
	T1361	At2g35130	3e-059	225
	T1523	At4g10730	6e-066	247
		At4g24100	7e-064	240
	T1616	At3g08010	1e-099	359
	T1549	At2g40840	4e-040	161
	T1668	At4g20410	1e-041	166
	T1683	At3g19820	1e-106	382
	T1698	At5g45020	8e-082	300
		At5g44990	4e-079	291
		At4g19880	5e-044	174
		At5g44000	3e-027	118
	T1706	At3g02100	4e033	138
	T1768	At1g78690	4e-059	224
		At3g05510	8e-022	100
	CLEC27M9	At2g18790	1e-057	219
		At4g16250	1e-053	206
		At1g09570	1e050	196
		At4g18130	1e-050	194
		At5g35840	2e-043	172
	CLPT2K20	At1g31160	5e-052	201
		At3g56490	3e-047	185
	CLPT1E8	At1g29660	1e-063	240
		At1g29670	2e-063	239
		At5g45670	3e-061	231
		At4g18970	4e-060	228
		At1g33811	2e-058	222
		At2g19010	3e-051	198
	T963	At4g07390	3e-024	108
		At5g59470	1e-022	103
	T984	At1g30580	1e-103	371
		At1g56050	5e-043	171
	T888	At2g23090	3e-030	128
	T829	At5g08580	6e-031	131
	T123	At2g30490	3e-050	194
	T114	At1g12900	2e-083	305
		At3g26650	4e-083	304
		At1g42970	3e-068	254

<i>LeNRAMP1</i>	T1161	At1g21690	4e-071	263
c11		At1g77470	2e-033	138
		At1g63160	1e-032	136
	CLEX4G10	At1g34300	2e-045	178
	T1460	At3g06980	3e-086	314
	T1046	At2g26980	1e-063	239
		At5g21326	8e-063	236
	T1648	At2g36870	2e-023	104
	T1071	At5g22860	9e-042	166
		At2g24280	1e-030	129
		At5g65760	1e-025	113
	T1787	At2g27920	2e-073	272
		At1g15000	3e-022	102
	T1014	At4g21110	5e-077	284
	CLET10011	At2g27290	1e-054	210
	T675	At1g77670	2e-080	295
<i>LeNRAMP3</i>	CLED19B24	At3g52560	6e-052	200
c2		At2g36060	5e-049	190
		At1g70660	1e-038	155
		At1g23260	2e-038	155
	T1475	At3g01480	8e-035	143
	T1003	At3g27925	2e-092	335
		At5g39830	3e-048	188
		At4g18370	5e-038	154
	CLET5L17	At3g02090	4e-072	267
	T1480	At5g15450	3e-071	265
		At2g25140	6e-061	230
	CLEC7L24	At3g02200	4e-055	210
		At5g15610	8e-054	206
	CLEX15F2	At1g69120	5e-067	250
		At1g26310	9e-065	243
		At5g60910	2e-061	232
	T1158	At5g38710	3e-060	228
		At3g30775	1e-059	226
	T1076	At3g02300	1e-044	175
	CTOB9L18	At1g19310	9e-046	180
		At2g23780	2e-044	175
		At1g74990	6e-034	140
	T1744	At2g26560	2e-038	155
		At4g37070	9e-038	153
		At4g37060	7e-037	150
		At5g43590	6e-032	134
	T1440	At1g23740	2e-047	185
	T634	At5g67370	2e-072	268
	T723	At2g04700	3e-035	144
	T680	At2g32980	4e-084	307
	T628	At3g01500	2e-055	211
		At5g14740	1e-053	205
		At1g70410	2e-041	165
		At1g23730	6e-039	156
		At4g33580	3e-024	108
	CLER17N11	At5g65700	4e-060	227
		At3g49670	1e-051	198
	CTOB6I3	At3g01640	3e-095	344
		At5g14470	7e-089	323
	T1096	At5g40810	4e-093	337
		At3g27240	1e-092	336
	T1566	At3g01910	4e-091	331
	T1202	At5g41120	1e-049	192
		At5g41130	2e-047	185

		At3g26840	6e-045	177
		At1g54570	1e-037	153
		At3g26820	1e-037	152
	T1323	At1g08660	1e-078	289
		At3g48820	2e-036	148
	T1554	At3g26730	4e-033	138
	CLEF2A11	At5g14040	1e-094	342
		At3g48850	4e-078	287
		At2g17270	9e-052	200
	T706	At4g37560	4e-065	243
		At4g37550	9e-060	226
	T347	At3g02300	5e-048	187
LeFRO-TC124302	T1119	At3g01150	2e-047	185
c3		At5g53180	2e-060	228
	CLEC37C6	At3g55770	9e-039	156
		At1g01780	3e-033	138
		At2g39900	2e-037	152
	T1086	At2g17570	3e-052	201
	T1321	At4g23030	1e-052	202
		At1g11545	1e-044	175
		At5g52050	8e-040	159
		At4g29140	2e-037	151
		At5g19700	2e-036	148
	T1131	At1g11545	3e-055	211
	T1540	At5g23940	6e-058	220
	CLPT2E21	At5g07270	1e-098	356
		At5g57740	5e-055	211
	CLEZ17J15	At5g65700	5e-079	290
		At3g49670	8e-077	283
		At1g75820	2e-058	222
		At4g20270	2e-057	218
	T1758	At1g29260	6e-071	263
	CLEC100I8	At1g12240	9e-047	183
		At1g62660	2e-046	182
	CLPT5E3	At5g52990	8e-017	835
	T1001	At1g29260	8e-053	203
	T1424	At5g24460	4e-064	241
	T1200	At2g40760	5e-058	220
	T1017	At1g47570	7e-024	107
	CTOB8I8	At1g66180	7e-053	203
		At5g37540	2e-052	201
	T1155	At5g51150	2e-079	291
	CLET24J2	At1g12310	5e-070	260
		At1g62820	2e-069	258
	T677	At4g21190	1e-061	233
		At4g18975	3e-027	294
	T613	At2g42220	6e-040	160
	T648	At5g51540	7e-022	101
	T522	At3g05500	2e-034	142
	T632	At4g37000	5e-052	201
	T685	At4g34670	1e-062	236
		At3g04840	5e-062	234
	T536	At3g22320	3e-067	250
	T518	At2g40360	2e-030	127
	T753	At5g52390	4e-028	120
		At3g54040	3e-024	108
	T827	At3g52180	2e-036	148
	T772	At3g48420	2e-035	144
	T1278	At5g50320	e-107	384
	T1331	At3g17670	e-027	120

	T1429	At5g23670	1e-105	379
		At3g48780	1e-104	373
		At3g48790	4e-088	321
	T1608	At5g17510	7e-055	210
		At3g03460	6e-045	177
	T1511	At4g20360	6e-050	193
		At4g02930	4e-031	131
	T1659	At1g05350	2e-042	168
<i>LeFRO1/LeFRO-TC129233</i>	CLES5J1	At2g45740	5e-038	153
c1		At1g01820	3e-037	151
		At3g61070	1e-036	149
	T1409	At4g00410	4e-070	261
		At1g01610	3e-069	257
		At2g38110	4e-054	207
	T1228	At1g58350	9e-096	346
		At1g09980	3e-042	168
	T1173	At1g20200	9e-077	283
		At1g75990	2e-075	279
	CLED1515	At3g61610	4e-089	324
		At4g23730	4e-082	300
		At5g57330	2e-079	292
		At3g01590	1e-068	256
		At5g14500	9e-068	253
		At4g25900	1e-053	206
	T1327	At1g01300	2e-076	281
		At3g61820	5e-068	254
	T1649	At3g27890	1e-041	165
	CLPT1K7	At5g13750	5e-072	267
		At5g13740	5e-063	237
		At3g43790	2e-054	209
	CLPT4D13	At3g04820	2e-072	269
	T1485	At1g54780	3e-045	178
	T1162	At4g12110	2e-072	268
		At4g22756	2e-068	255
		At4g22753	6e-065	243
	T1284	At3g47400	4e-026	113
		At2g45220	2e-026	148
	T722	At1g54500	2e-016	81
	T758	At4g01310	2e-049	191
	T852	At5g07020	6e-041	164
	T767	At4g01150	2e-038	155
	CLPT5M7	At4g02610	1e-033	139
		At3g54640	1e-033	139
	T1488	At3g62770	6e-043	170
		At3g56440	3e-032	135
		At2g40810	1e-030	129
	T1493	At3g05090	1e-076	282
	T567	At1g78900	5e-060	228
	T664	At3g04870	8e-087	316
<i>LeNAS (chloronerva)</i>	T1084	At4g25970	8e-079	289
c1		At5g57190	1e-078	289
	T1109	At4g33630	4e-039	157
	T1118	At1g09830	2e-031	132
	T1129	At2g39780	1e-068	256
	T1176	At1g56700	5e-075	277
	T1327	At1g01300	2e-076	281
		At3g61820	5e-068	254
	T1471	At2g23390	7e-064	240
	T1485	At1g54780	3e-045	178
	T1488	At3g62770	6e-043	170

		At3g56440	3e-032	135
		At2g40810	1e-030	129
	T1493	At3g05090	1e-076	282
	T1557	At2g14170	1e-074	276
	T1664	At5g64380	3e-045	178
	T1669	At5g49950	2e-080	295
		At1g34340	2e-072	268
	T1687	At1g09430	6e-088	320
		At1g10670	3e-076	281
		At1g60810	2e-074	275
	CLET4E21	At1g06680	8e-026	113
	CLPT1K7	At5g13750	5e-072	267
		At5g13740	5e-063	237
		At3g43790	2e-054	209
	CLPT4B13	At3g04820	2e-072	269
	CLPT5M7	At4g02610	1e-033	139
		At3g54640	1e-033	139
	CTOC14I18	At1g69120	4e-055	211
		At1g26310	2e-054	208
		At5g60910	4e-051	198
	T141	At5g05010	2e-064	241
	T276	At5g26710	3e-092	334
		At1g25350	4e-031	131
	T766	At4g15510	3e-036	148
		At2g14110	5e-052	200
	T896	At4g33670	8e-052	199
	T852	At5g07020	6e-041	164
	T664	At3g04870	8e-087	316
	T567	At1g78900	5e-060	228
	T758	At4g01310	2e-049	191
	T1752	At5g13870	5e-055	210
		At2g06850	5e-052	200
	T1649	At3g27890	1e-041	165
<i>LeFER</i>	T1526	At5g51550	1e-052	202
c6		At2g17230	4e-041	164
		At2g35150	1e-032	136
	T1456	At5g13840	2e-036	149
	CLET5A4	At5g61510	4e-047	183
	T1063	At4g32060	3e-037	151
	T1563	At3g10940	2e-066	249
	T1079	At5g24400	4e-071	264
		At5g24420	3e-067	251
		At5g24410	2e-064	242
		At3g49360	5e-060	227
		At1g13700	3e-058	221
	CTOC8C8	At5g20240	2e-058	222
	T1775	At1g73090	3e-020	95
	CLEC9H23	At1g72330	8e-034	139
	T1013	At5g22330	1e-109	191
		At5g67630	4e-038	154
		At3g49830	3e-037	152
	CLET2L2	At1g32470	4e-035	143
		At2g35370	7e-035	143
		At2g35120	6e-030	126
	T1587	At4g30010	7e-026	113
	T1666	At2g25530	2e-051	199
	CLET8I22	At1g51510	3e-044	175
	CLET5C8	At1g03150	3e-047	183
	T507	At5g05690	2e-051	198
	T693	At5g41480	5e-024	106

	T774	At3g10980	4e-047	184
	T805	At4g32260	4e-029	124
	T834	At5g43860	4e-059	224
		At1g19670	3e-040	161
	T879	At5g57020	1e-074	275
		At2g44170	2e-053	205
	T892	At3g10920	6e-072	266
		At3g56350	2e-058	221