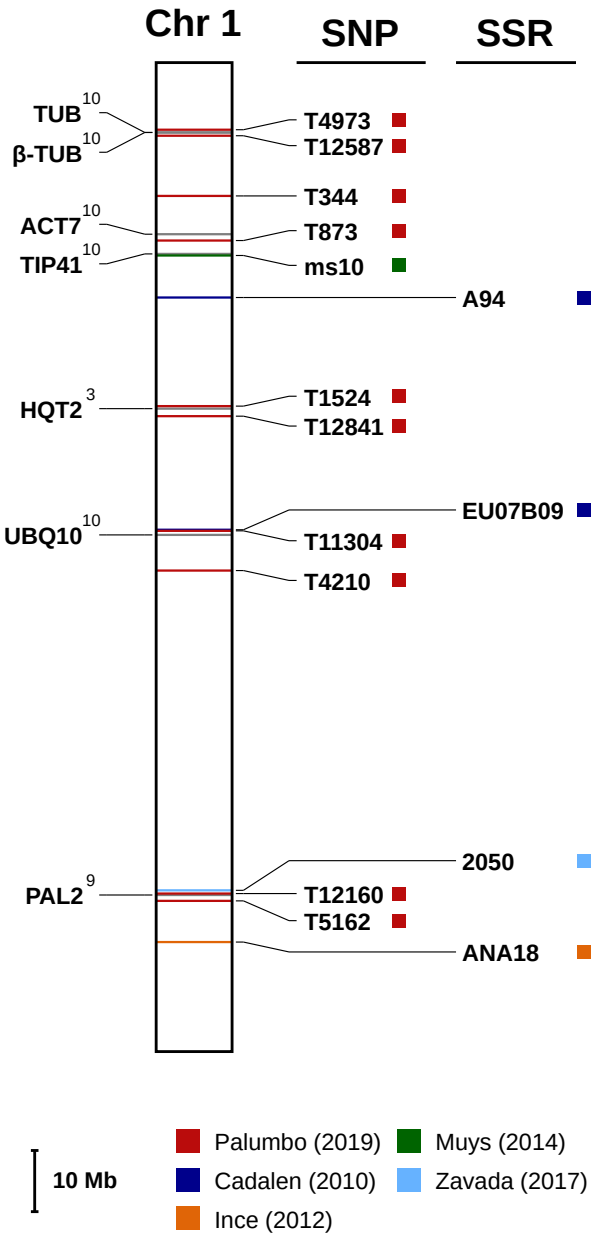
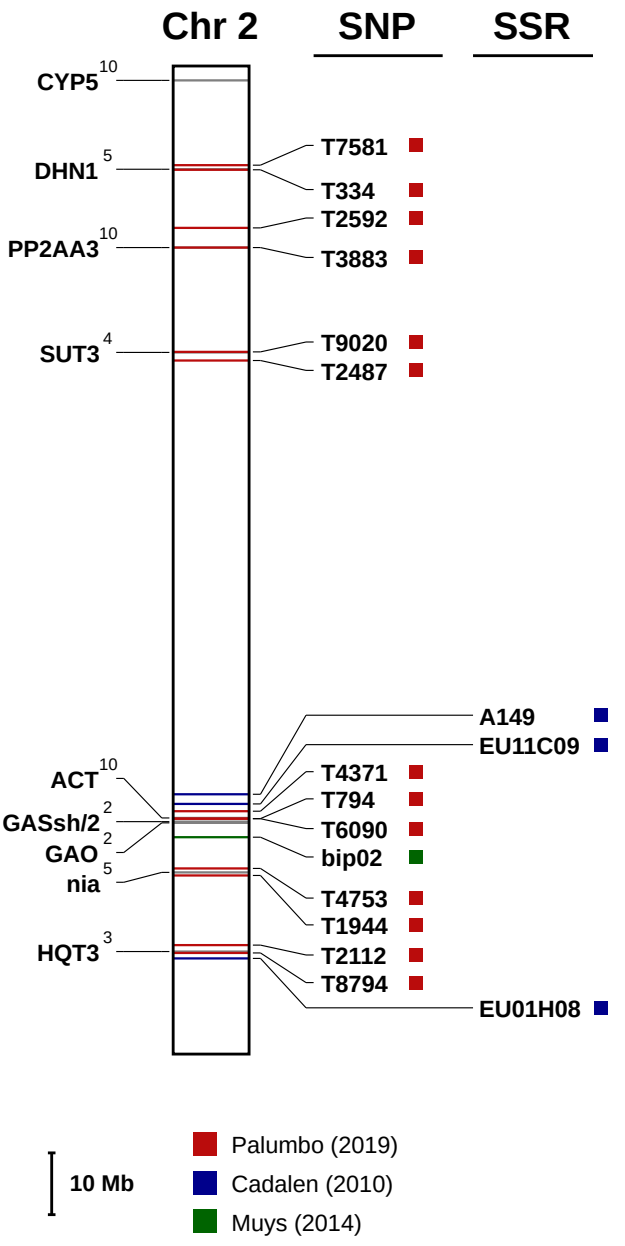
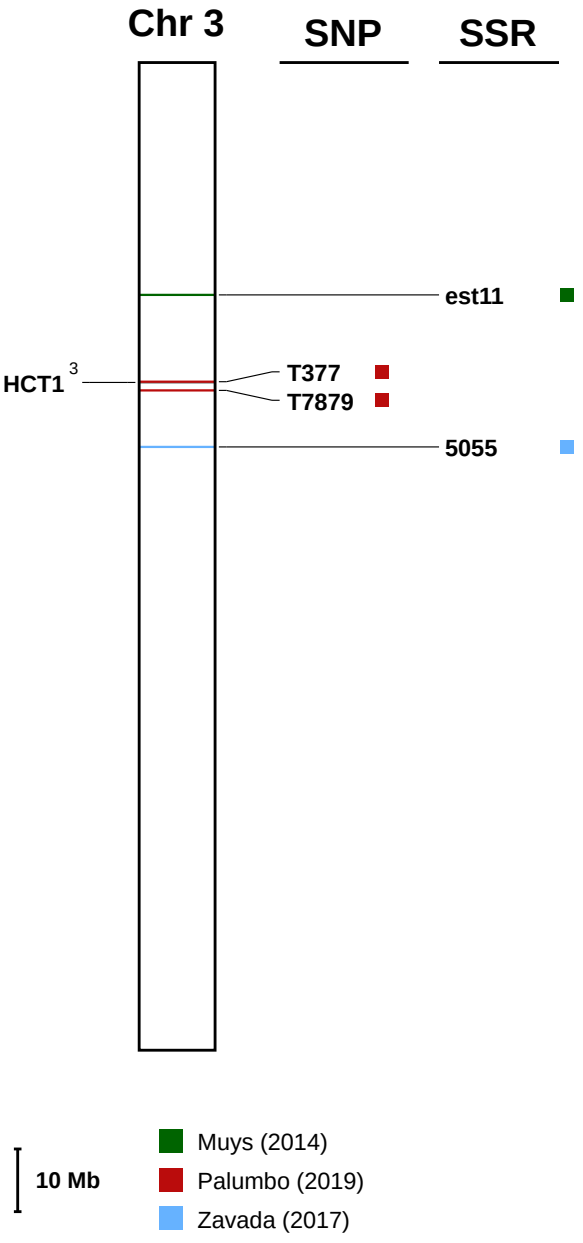
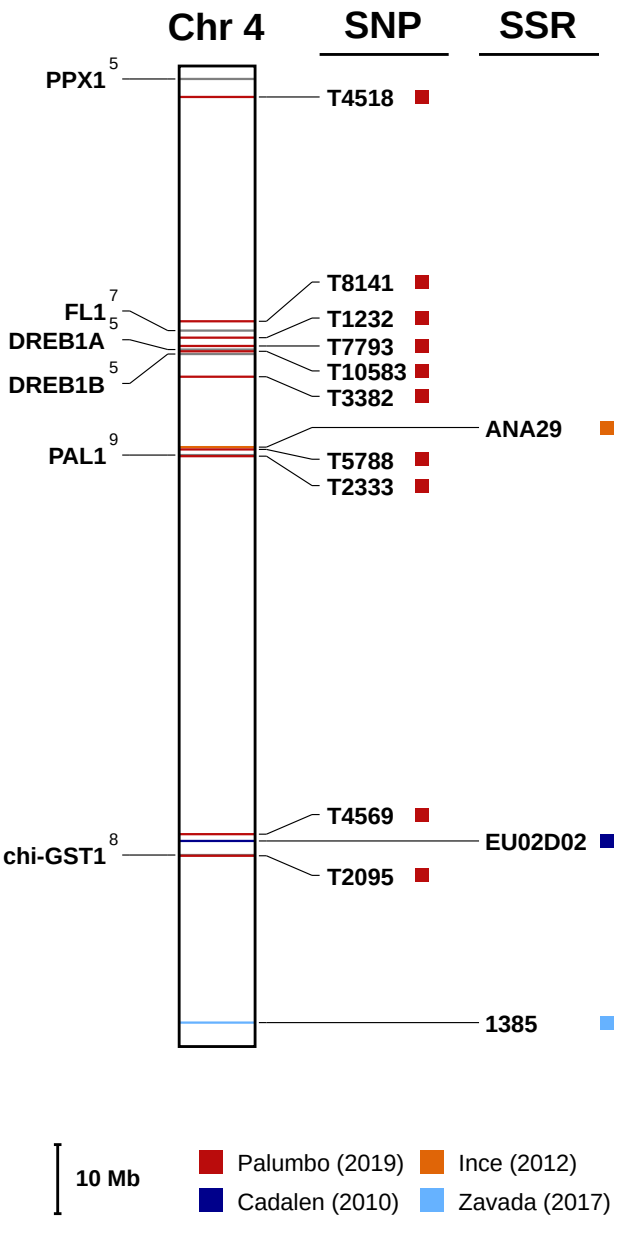
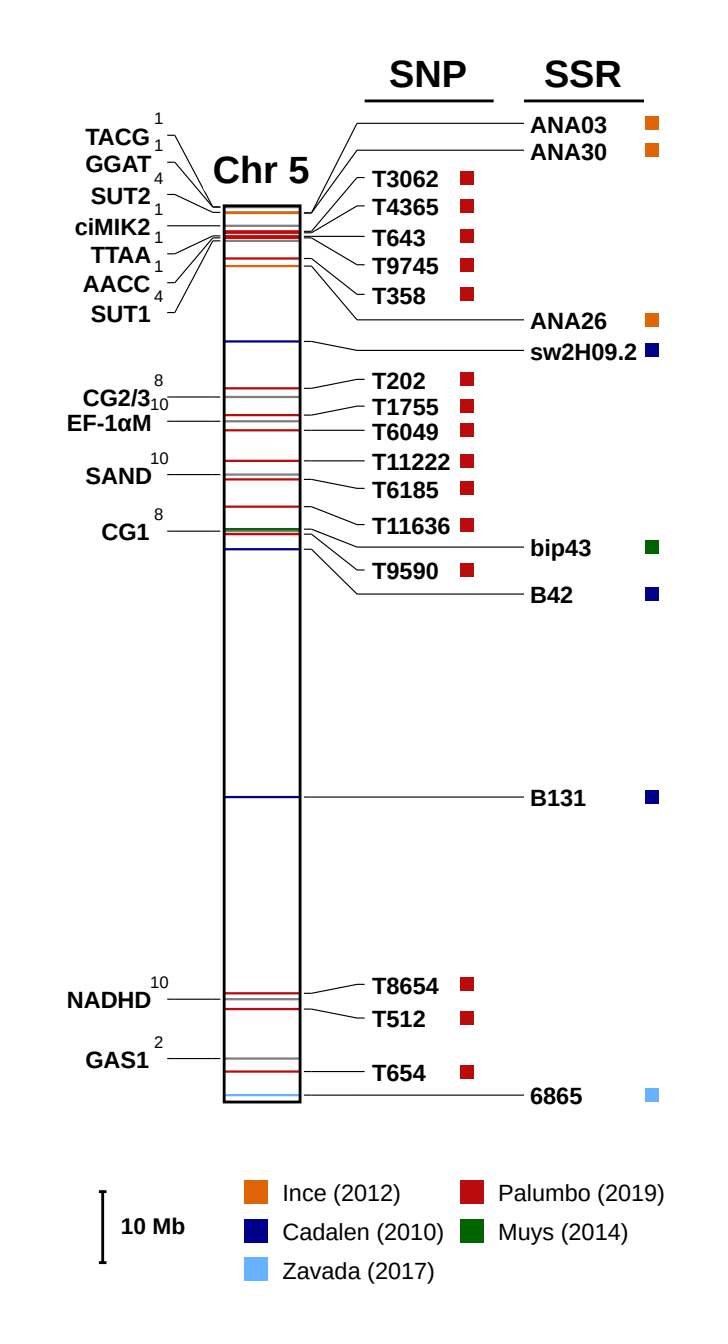
Figure S2: Reference Marker Assisted Selection (MAS) map in chicory. On the left are the genes with their trait-identity number (in the form of apex; 1: Reproductive barriers; 2: Sesquiterpene Lactone biosynthesis (STL); 3: Hydroxycinnamates biosynthesis (HCAs); 4: Inulin metabolism; 5: Stress response; 6: Blue-lilac color; 7: Flowering time; 8: Somatic embryogenesis; 9: Red discoloration; 10: Gene normalization). Each gene is also described in detail in Table 3 whereas Table S1 reports their respective GenBank accession numbers. On the right are reported the two markers (SSRs or SNPs) closest to each gene. The color of square near each marker refers to the source study of the marker (Cadalen *et al.* [25], Muys *et al.* [27], Palumbo *et al.* [28], Patella *et al.* [13], Ince *et al.* [29], Zavada *et al.* [30])

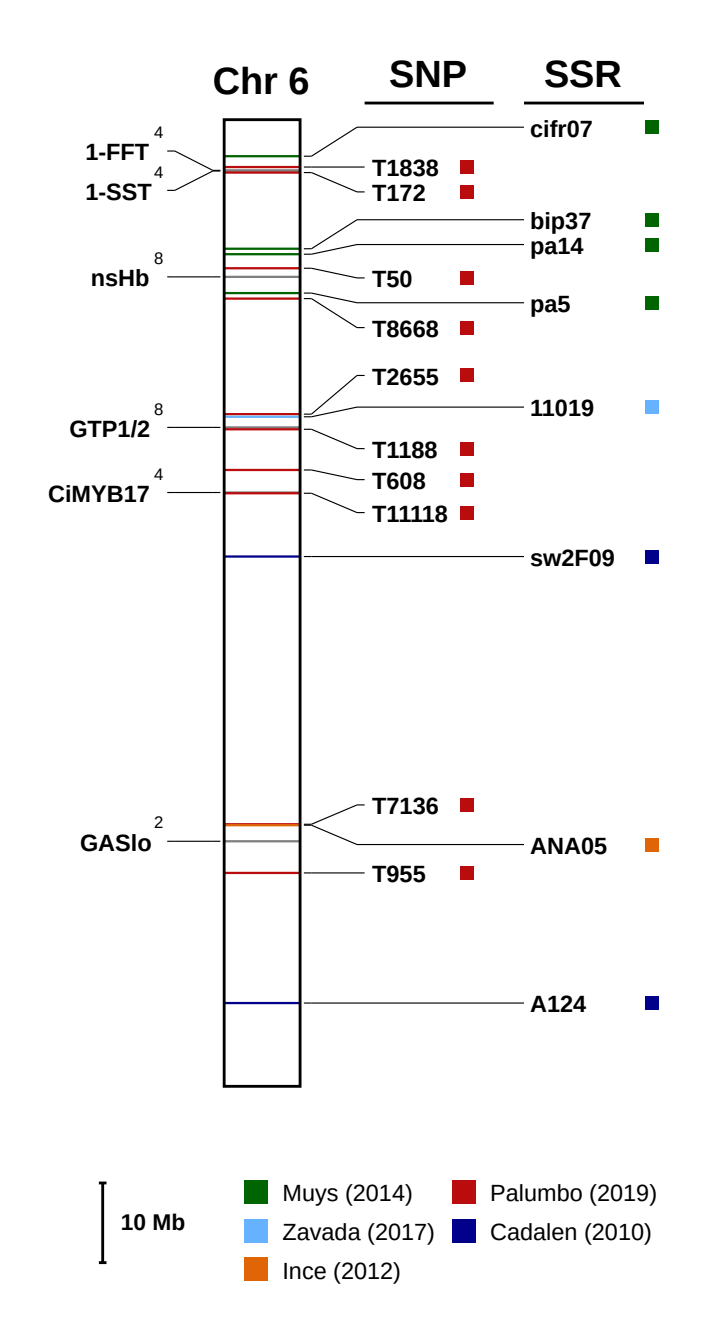

Chr 1
SNP
SSR
TUB 10
β-TUB 10
ACT7 10
TIP41 10
HQT2 3
UBQ10 10
PAL2 9
T4973
T12587
T344
T873
ms10
A94
T1524
T12841
EU07B09
T11304
T4210
2050
T12160
T5162
ANA18
10 Mb
Palumbo (2019)
Cadalen (2010)
Ince (2012)
Muys (2014)
Zavada (2017)

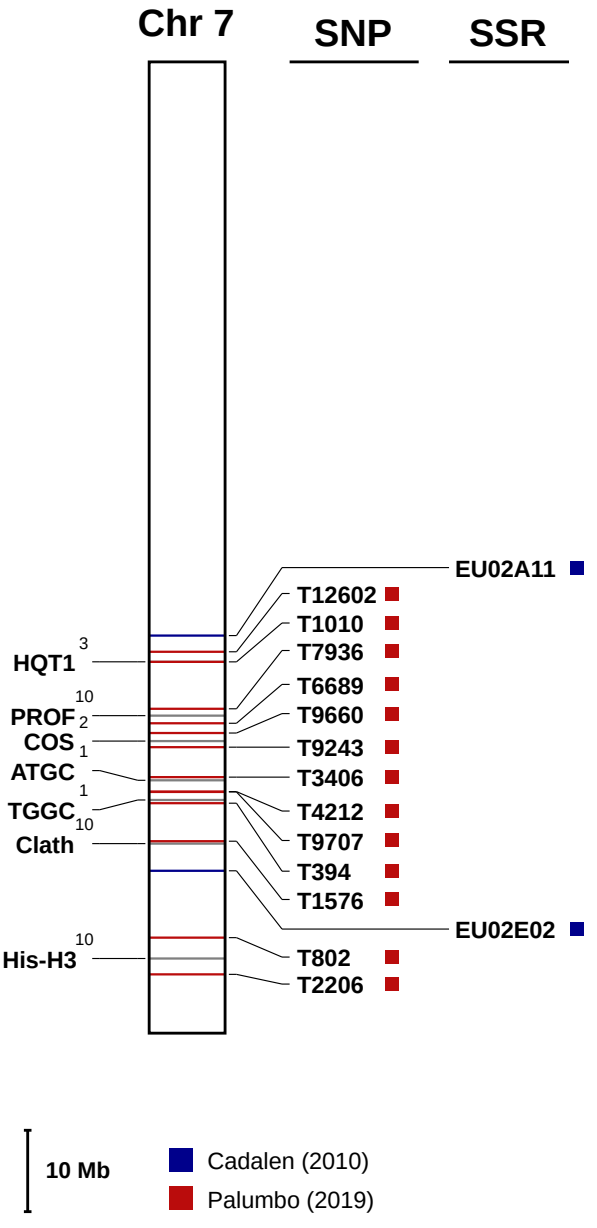

Chr 2
SNP
SSR
CYP5 10
DHN1 5
PP2AA3 10
SUT3 4
ACT 10
GASsh/2 2
GAO 2
nia 5
HQT3 3
T7581
T334
T2592
T3883
T9020
T2487
A149
EU11C09
T4371
T794
T6090
bip02
T4753
T1944
T2112
T8794
EU01H08
10 Mb
Palumbo (2019)
Cadalen (2010)
Muys (2014)

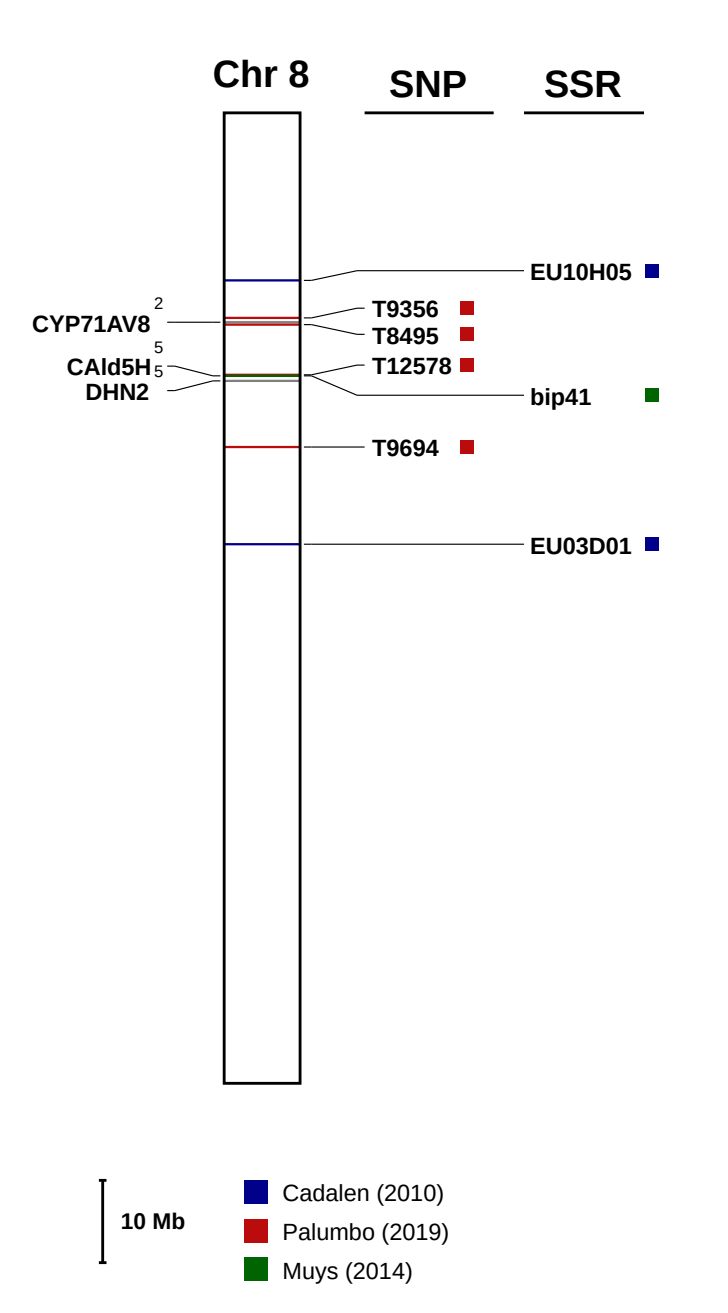

Chr 3
SNP
SSR
est11
HCT1
3
T377
T7879
5055
10 Mb
Muys (2014)
Palumbo (2019)
Zavada (2017)


Chr 4
SNP
SSR
PPX1
5
T4518
T8141
FL1
7
T1232
5
DREB1A
T7793
T10583
DREB1B
5
T3382
ANA29
PAL1
9
T5788
T2333
T4569
chi-GST1
8
EU02D02
T2095
1385
10 Mb
Palumbo (2019)
Ince (2012)
Cadalen (2010)
Zavada (2017)

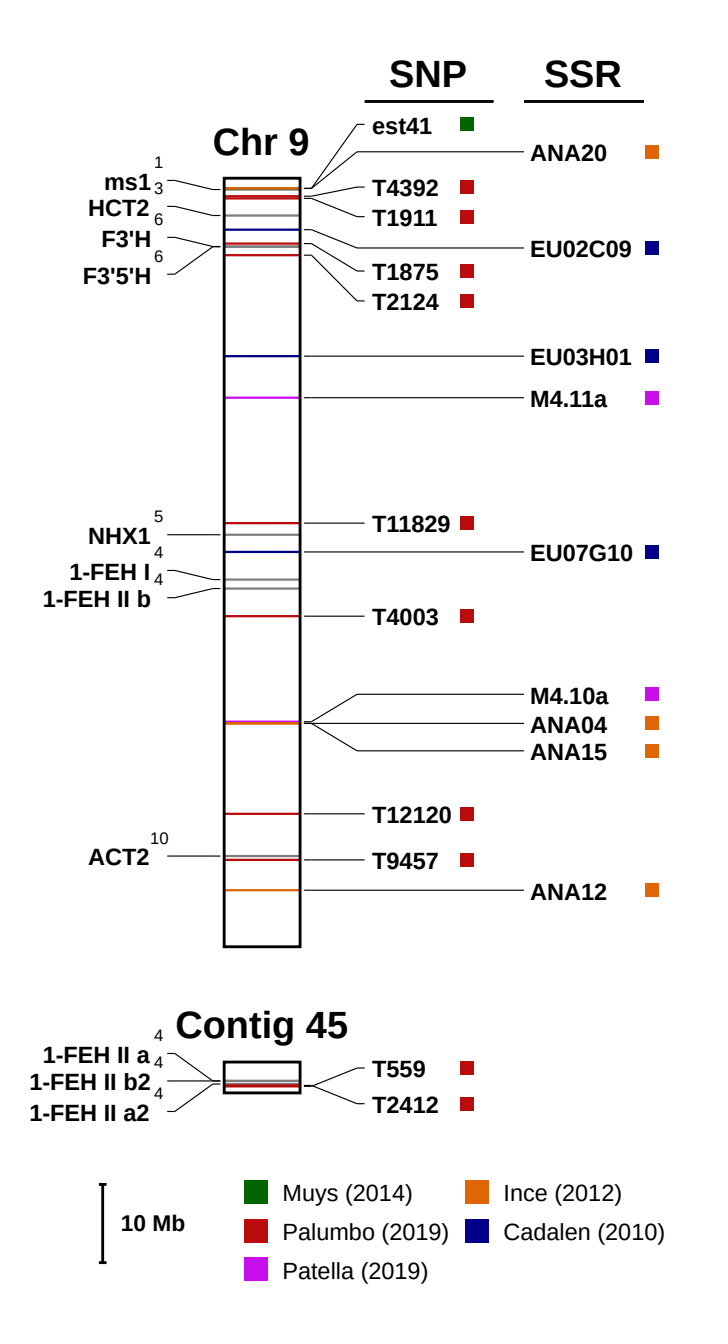

SNP
SSR
Chr 5
TACG 1
GGAT 1
SUT2 4
ciMIK2 1
TTAA 1
AACC 1
SUT1 4
CG2/3 8
EF-1αM 10
SAND 10
CG1 8
NADHD 10
GAS1 2
T3062
T4365
T643
T9745
T358
T202
T1755
T6049
T11222
T6185
T11636
T9590
T8654
T512
T654
ANA03
ANA30
ANA26
sw2H09.2
bip43
B42
B131
6865
10 Mb
Ince (2012)
Cadalen (2010)
Zavada (2017)
Palumbo (2019)
Muys (2014)


Chr 6
SNP
SSR
1-FFT 4
1-SST 4
nsHb 8
GTP1/2 8
CiMYB17 4
GASlo 2
cifr07
T1838
T172
bip37
pa14
T50
pa5
T8668
T2655
11019
T1188
T608
T11118
sw2F09
T7136
ANA05
T955
A124
10 Mb
Muys (2014)
Zavada (2017)
Ince (2012)
Palumbo (2019)
Cadalen (2010)


Chr 7
SNP
SSR
EU02A11
T12602
T1010
T7936
T6689
T9660
T9243
T3406
T4212
T9707
T394
T1576
EU02E02
T802
T2206
HQT1 3
PROF 10
2
COS 1
ATGC 1
TGGC 10
Clath
His-H3 10
10 Mb
Cadalen (2010)
Palumbo (2019)



Chr 8
SNP
SSR
EU10H05
2
CYP71AV8
T9356
T8495
5
CAld5H
5
DHN2
T12578
bip41
T9694
EU03D01
10 Mb
Cadalen (2010)
Palumbo (2019)
Muys (2014)


SNP
SSR
Chr 9
est41
ANA20
ms1
1
3
T4392
HCT2
6
T1911
F3'H
EU02C09
6
T1875
F3'5'H
T2124
EU03H01
M4.11a
NHX1
5
T11829
4
EU07G10
1-FEH I
4
1-FEH II b
T4003
M4.10a
ANA04
ANA15
T12120
ACT2
10
T9457
ANA12
Contig 45
4
1-FEH II a
4
T559
1-FEH II b2
4
T2412
1-FEH II a2
10 Mb
Muys (2014)
Ince (2012)
Palumbo (2019)
Cadalen (2010)
Patella (2019)