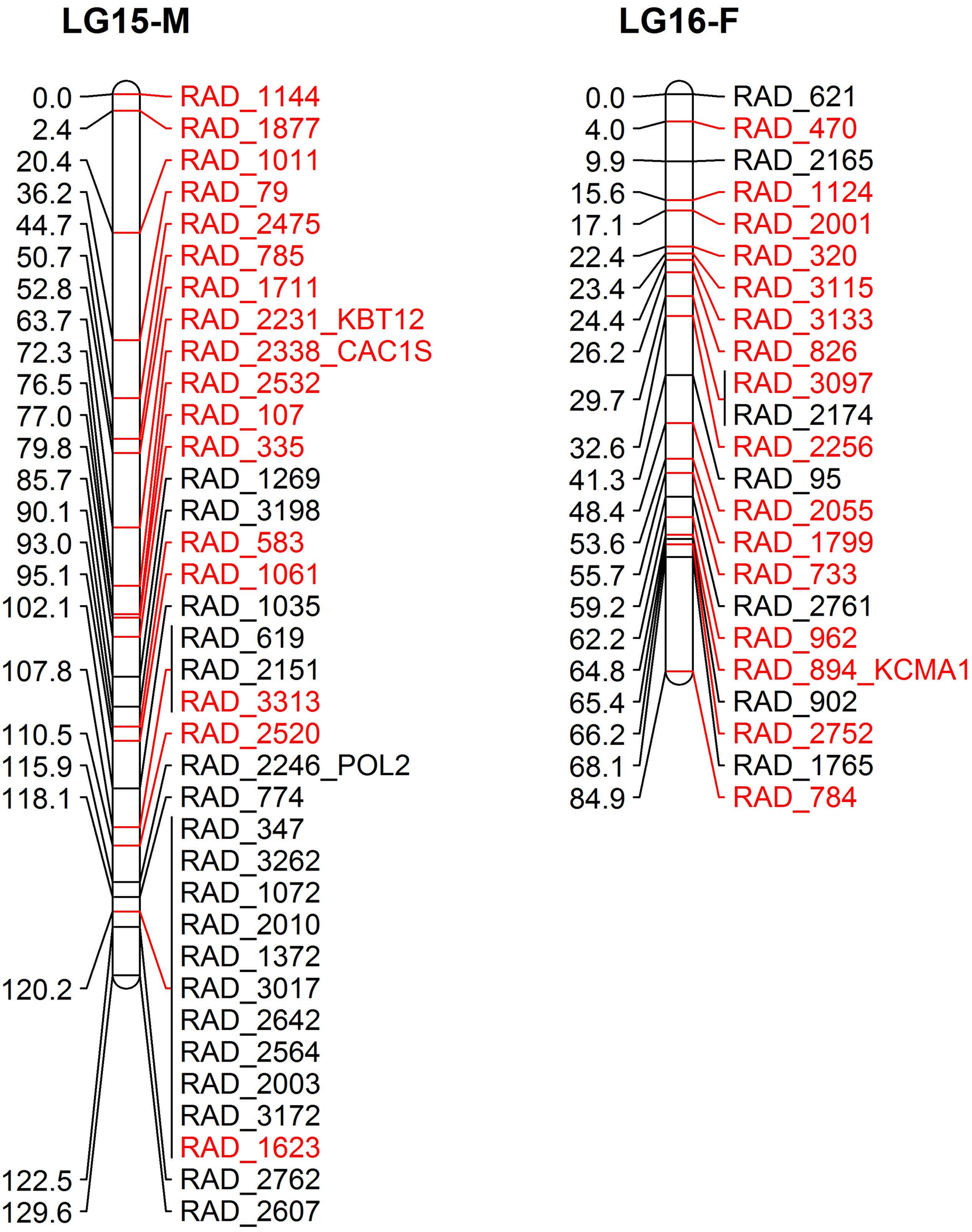
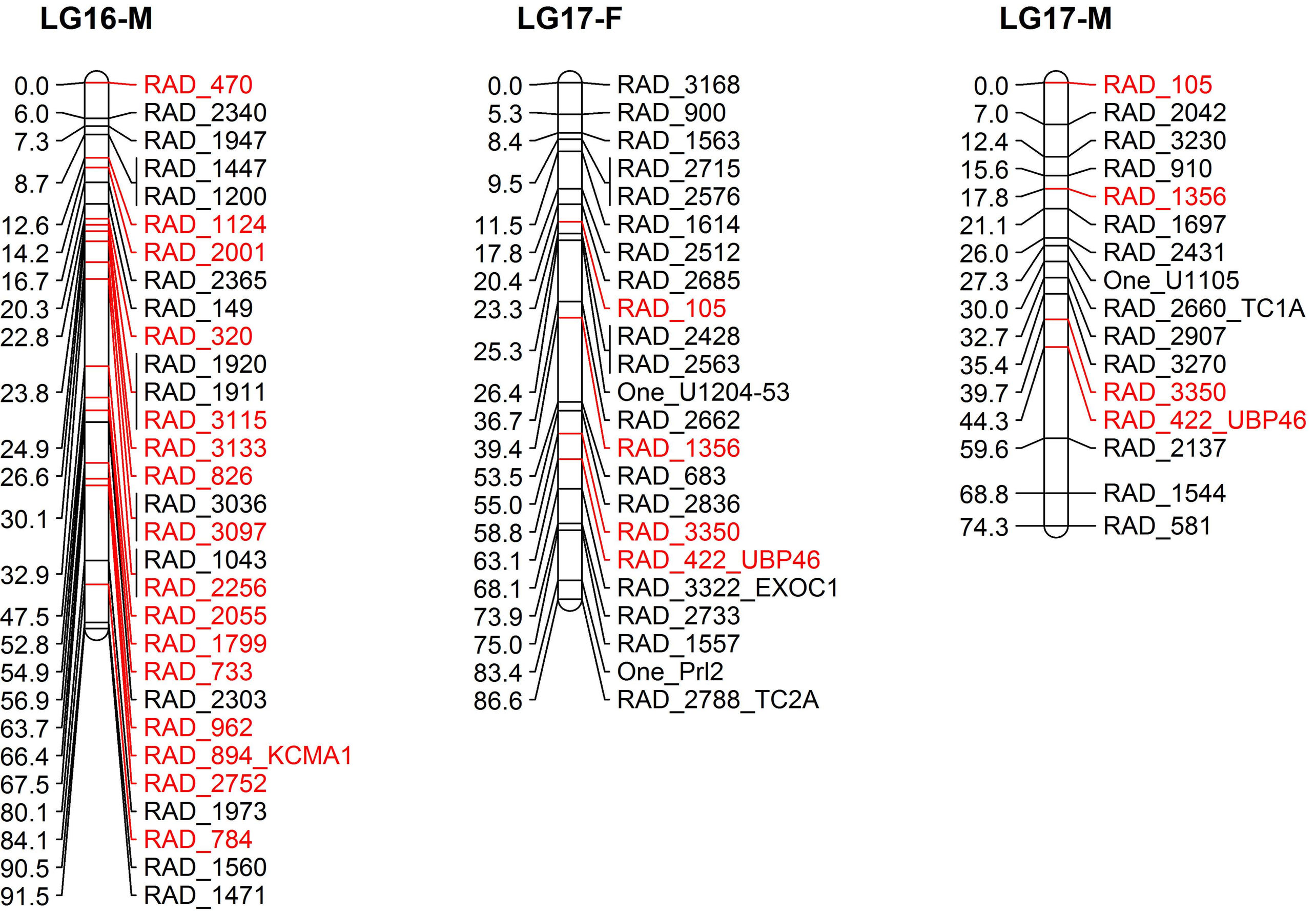
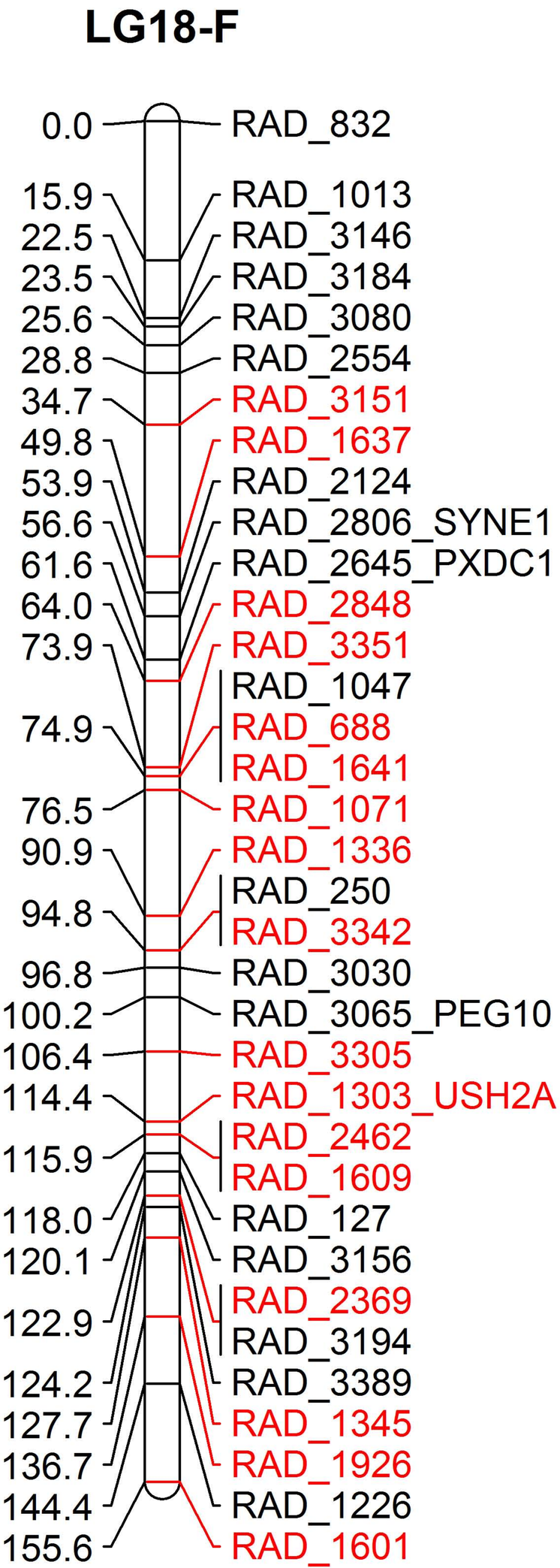
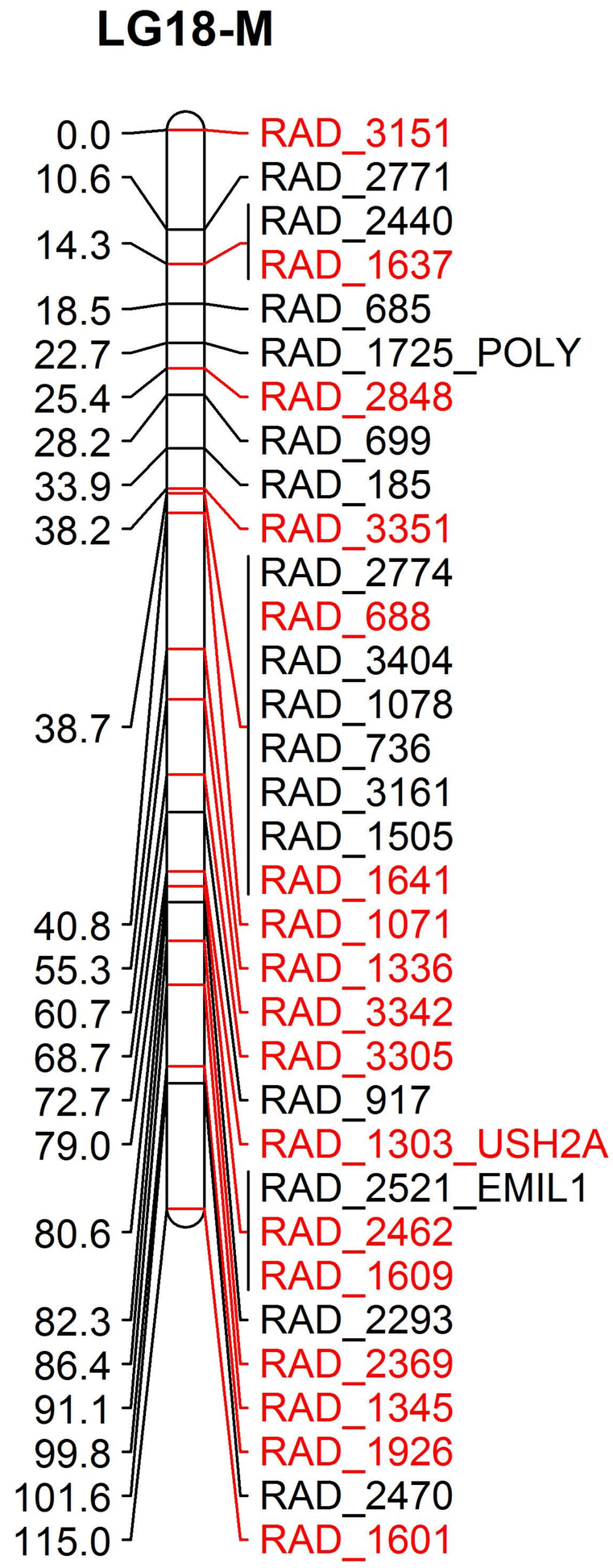
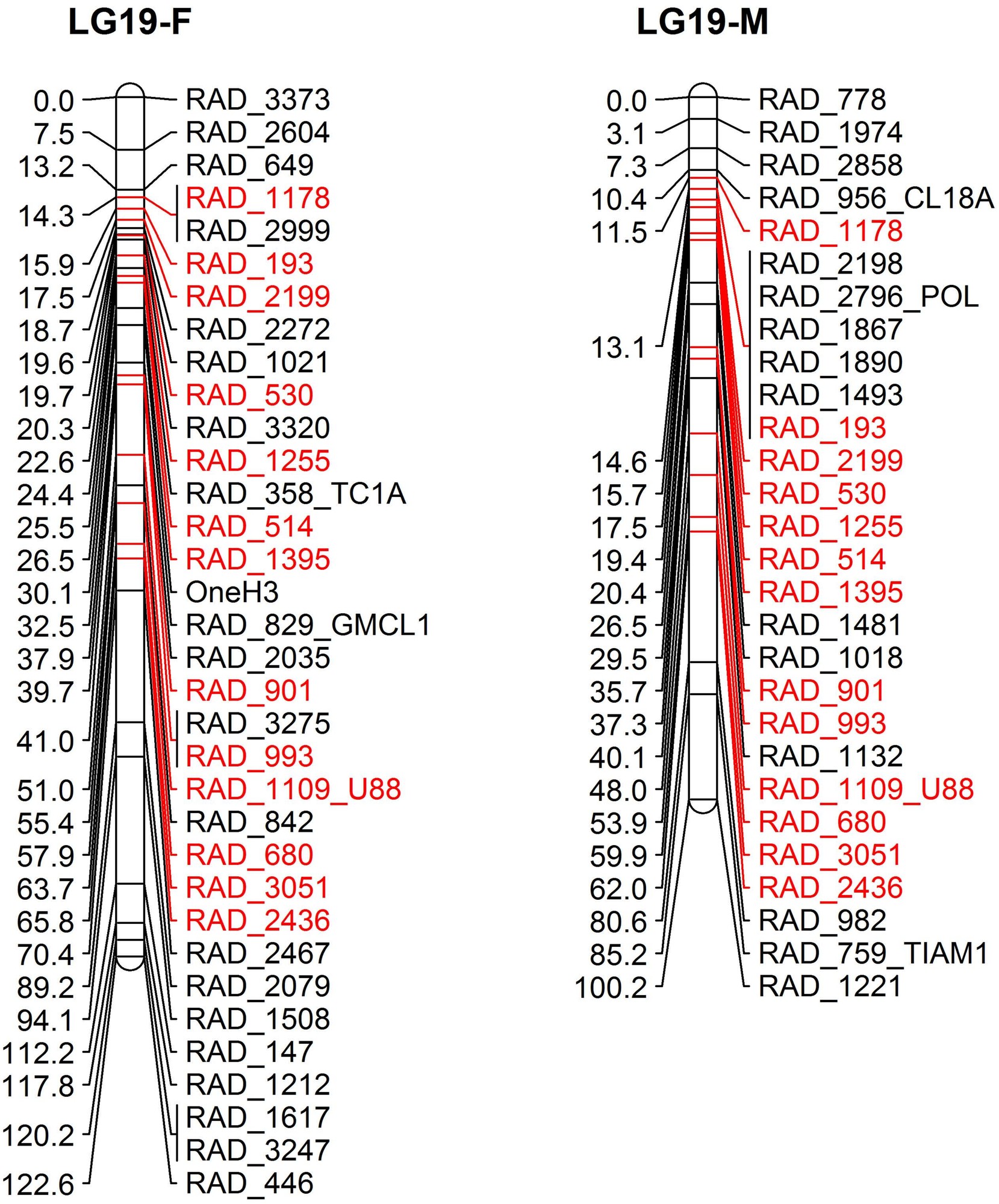
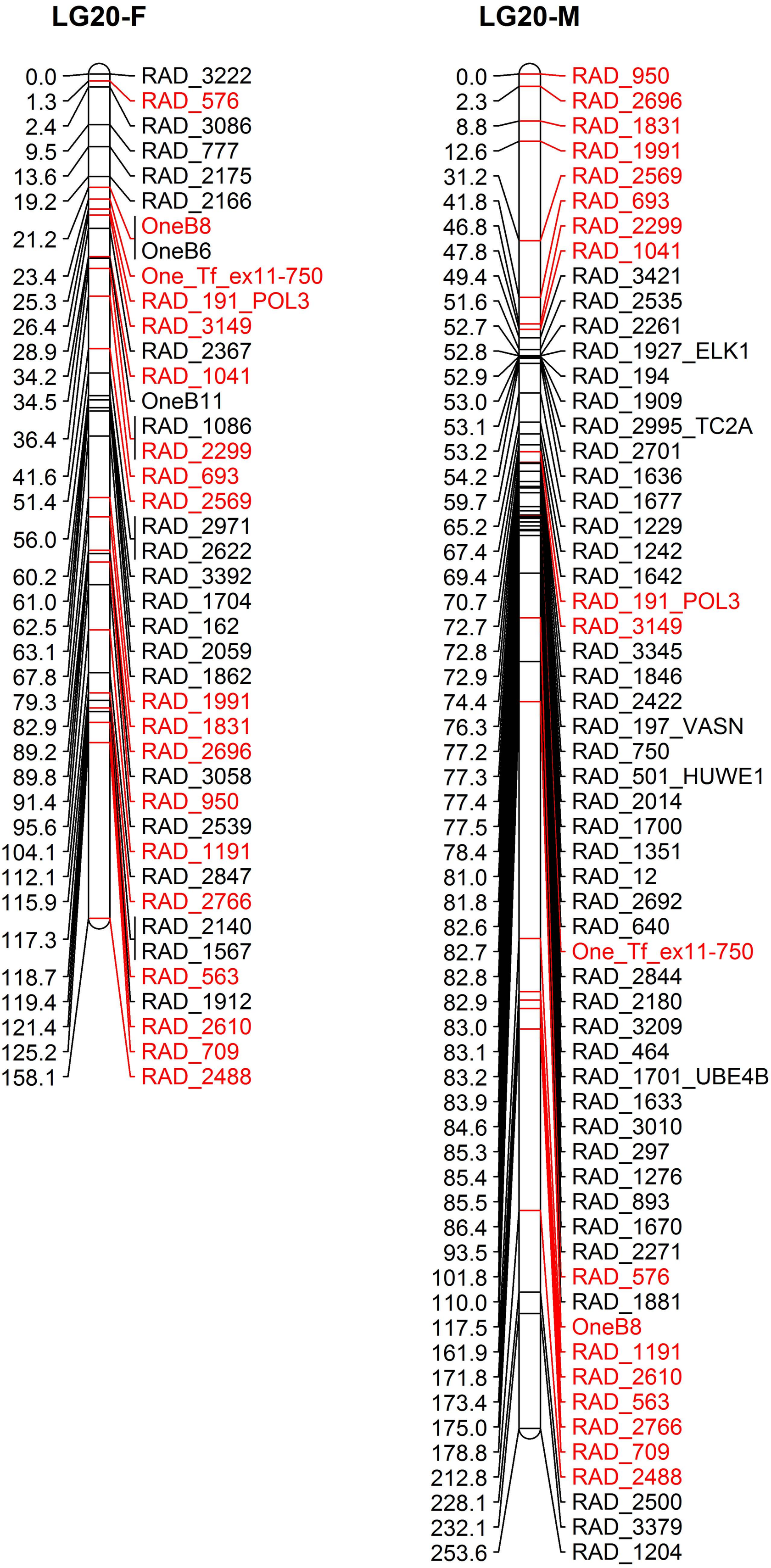

LG15-M
0.0
2.4
20.4
36.2
44.7
50.7
52.8
63.7
72.3
76.5
77.0
79.8
85.7
90.1
93.0
95.1
102.1
107.8
110.5
115.9
118.1
120.2
122.5
129.6
RAD_1144
RAD_1877
RAD_1011
RAD_79
RAD_2475
RAD_785
RAD_1711
RAD_2231_KBT12
RAD_2338_CAC1S
RAD_2532
RAD_107
RAD_335
RAD_1269
RAD_3198
RAD_583
RAD_1061
RAD_1035
RAD_619
RAD_2151
RAD_3313
RAD_2520
RAD_2246_POL2
RAD_774
RAD_347
RAD_3262
RAD_1072
RAD_2010
RAD_1372
RAD_3017
RAD_2642
RAD_2564
RAD_2003
RAD_3172
RAD_1623
RAD_2762
RAD_2607
LG16-F
0.0
4.0
9.9
15.6
17.1
22.4
23.4
24.4
26.2
29.7
32.6
41.3
48.4
53.6
55.7
59.2
62.2
64.8
65.4
66.2
68.1
84.9
RAD_621
RAD_470
RAD_2165
RAD_1124
RAD_2001
RAD_320
RAD_3115
RAD_3133
RAD_826
RAD_3097
RAD_2174
RAD_2256
RAD_95
RAD_2055
RAD_1799
RAD_733
RAD_2761
RAD_962
RAD_894_KCMA1
RAD_902
RAD_2752
RAD_1765
RAD_784

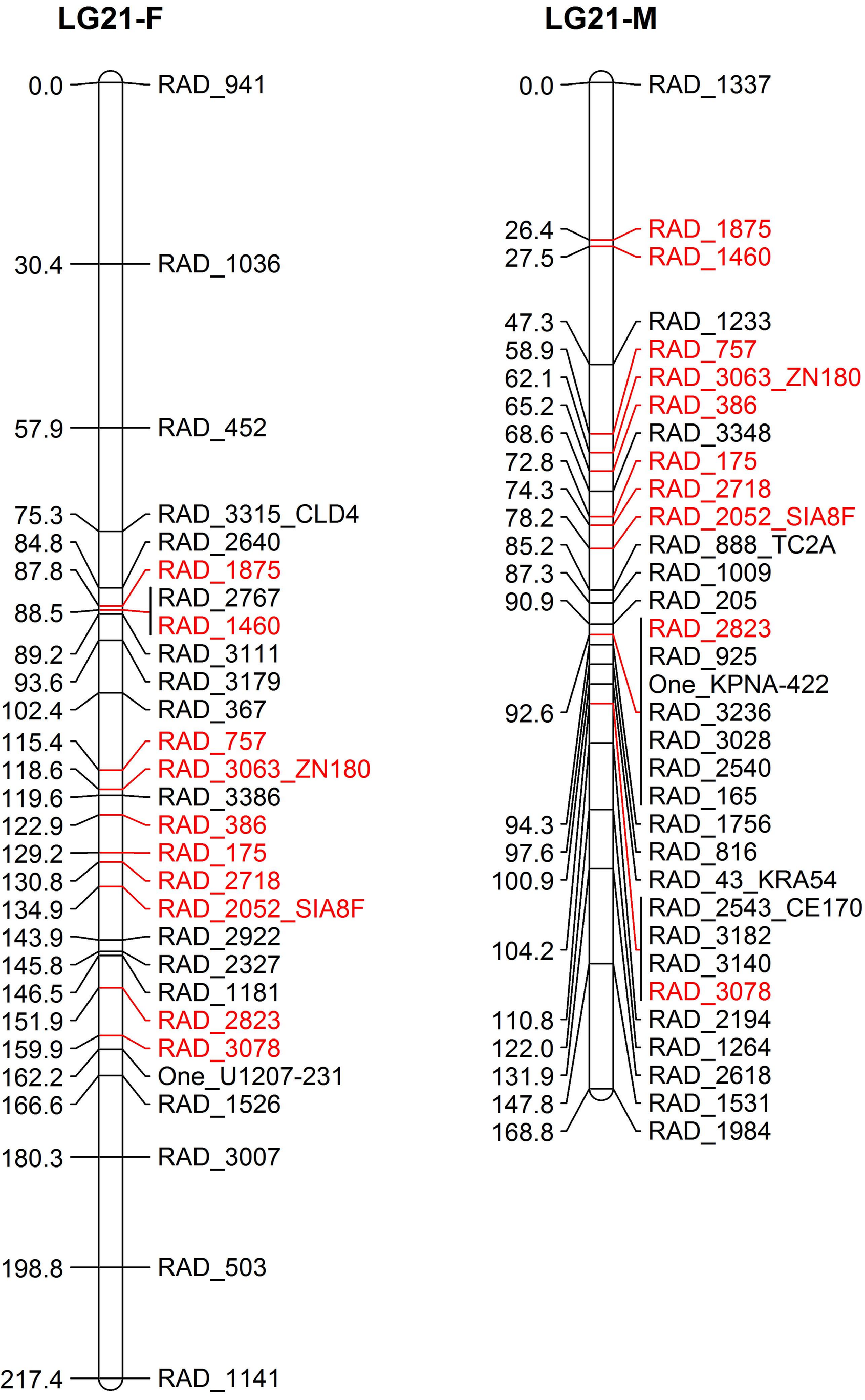

LG16-M
0.0
6.0
7.3
8.7
12.6
14.2
16.7
20.3
22.8
23.8
24.9
26.6
30.1
32.9
47.5
52.8
54.9
56.9
63.7
66.4
67.5
80.1
84.1
90.5
91.5
RAD_470
RAD_2340
RAD_1947
RAD_1447
RAD_1200
RAD_1124
RAD_2001
RAD_2365
RAD_149
RAD_320
RAD_1920
RAD_1911
RAD_3115
RAD_3133
RAD_826
RAD_3036
RAD_3097
RAD_1043
RAD_2256
RAD_2055
RAD_1799
RAD_733
RAD_2303
RAD_962
RAD_894_KCMA1
RAD_2752
RAD_1973
RAD_784
RAD_1560
RAD_1471
LG17-F
0.0
5.3
8.4
9.5
11.5
17.8
20.4
23.3
25.3
26.4
36.7
39.4
53.5
55.0
58.8
63.1
68.1
73.9
75.0
83.4
86.6
RAD_3168
RAD_900
RAD_1563
RAD_2715
RAD_2576
RAD_1614
RAD_2512
RAD_2685
RAD_105
RAD_2428
RAD_2563
One_U1204-53
RAD_2662
RAD_1356
RAD_683
RAD_2836
RAD_3350
RAD_422_UBP46
RAD_3322_EXOC1
RAD_2733
RAD_1557
One_Prl2
RAD_2788_TC2A
LG17-M
0.0
7.0
12.4
15.6
17.8
21.1
26.0
27.3
30.0
32.7
35.4
39.7
44.3
59.6
68.8
74.3
RAD_105
RAD_2042
RAD_3230
RAD_910
RAD_1356
RAD_1697
RAD_2431
One_U1105
RAD_2660_TC1A
RAD_2907
RAD_3270
RAD_3350
RAD_422_UBP46
RAD_2137
RAD_1544
RAD_581

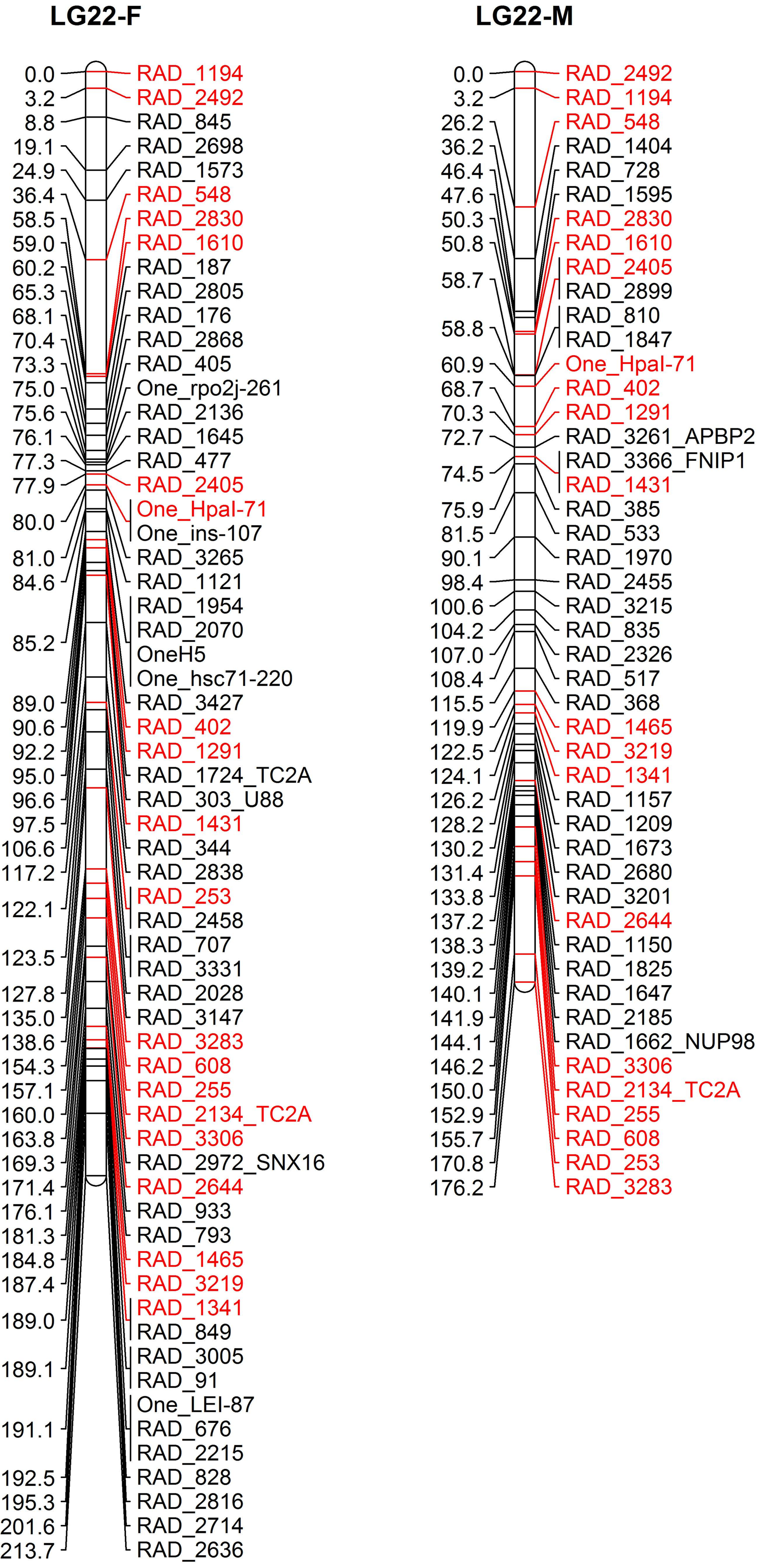

LG18-F
0.0
15.9
22.5
23.5
25.6
28.8
34.7
49.8
53.9
56.6
61.6
64.0
73.9
74.9
76.5
90.9
94.8
96.8
100.2
106.4
114.4
115.9
118.0
120.1
122.9
124.2
127.7
136.7
144.4
155.6
RAD_832
RAD_1013
RAD_3146
RAD_3184
RAD_3080
RAD_2554
RAD_3151
RAD_1637
RAD_2124
RAD_2806_SYNE1
RAD_2645_PXDC1
RAD_2848
RAD_3351
RAD_1047
RAD_688
RAD_1641
RAD_1071
RAD_1336
RAD_250
RAD_3342
RAD_3030
RAD_3065_PEG10
RAD_3305
RAD_1303_USH2A
RAD_2462
RAD_1609
RAD_127
RAD_3156
RAD_2369
RAD_3194
RAD_3389
RAD_1345
RAD_1926
RAD_1226
RAD_1601

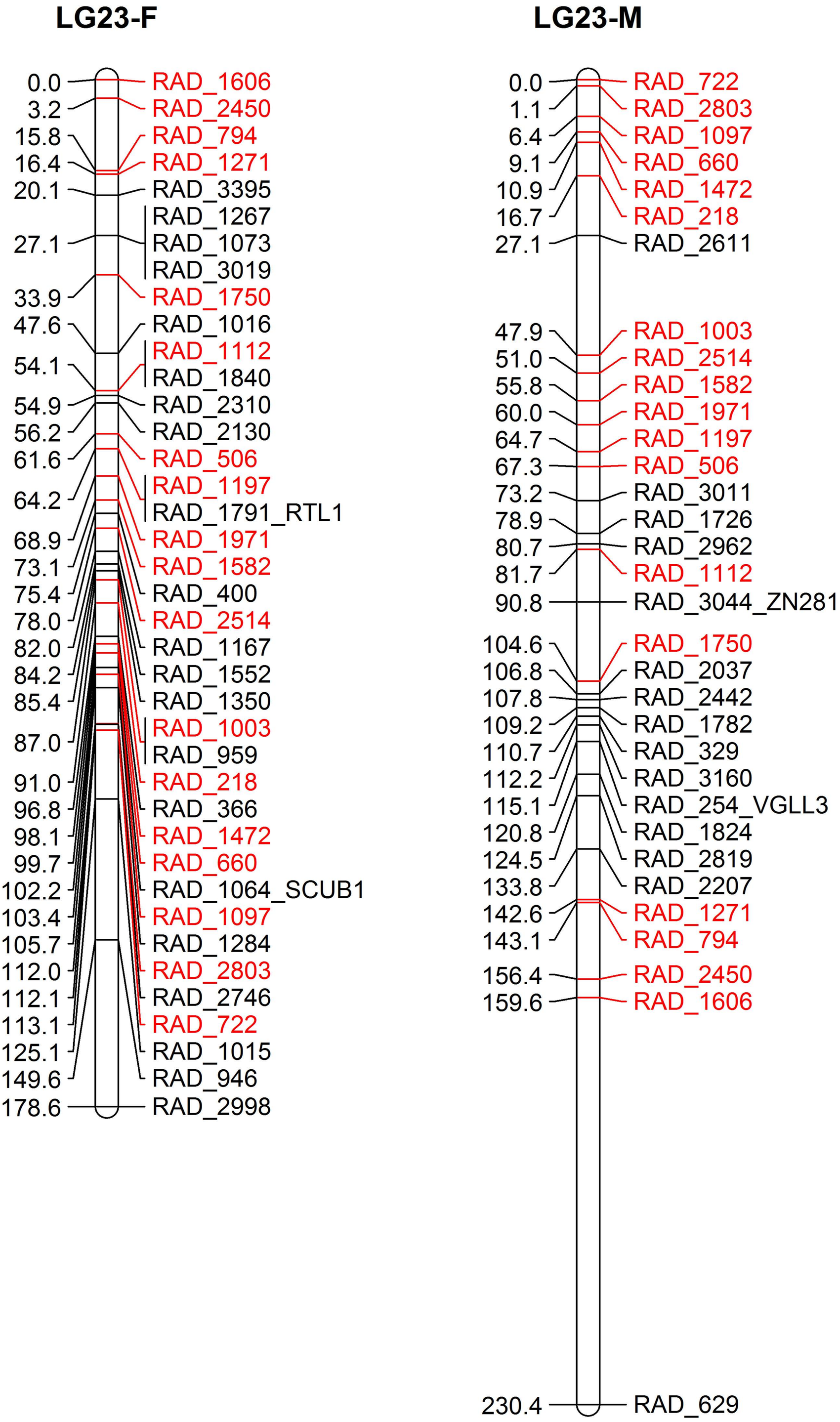

LG18-M
0.0
10.6
14.3
18.5
22.7
25.4
28.2
33.9
38.2
38.7
40.8
55.3
60.7
68.7
72.7
79.0
80.6
82.3
86.4
91.1
99.8
101.6
115.0
RAD_3151
RAD_2771
RAD_2440
RAD_1637
RAD_685
RAD_1725_POLY
RAD_2848
RAD_699
RAD_185
RAD_3351
RAD_2774
RAD_688
RAD_3404
RAD_1078
RAD_736
RAD_3161
RAD_1505
RAD_1641
RAD_1071
RAD_1336
RAD_3342
RAD_3305
RAD_917
RAD_1303_USH2A
RAD_2521_EMIL1
RAD_2462
RAD_1609
RAD_2293
RAD_2369
RAD_1345
RAD_1926
RAD_2470
RAD_1601

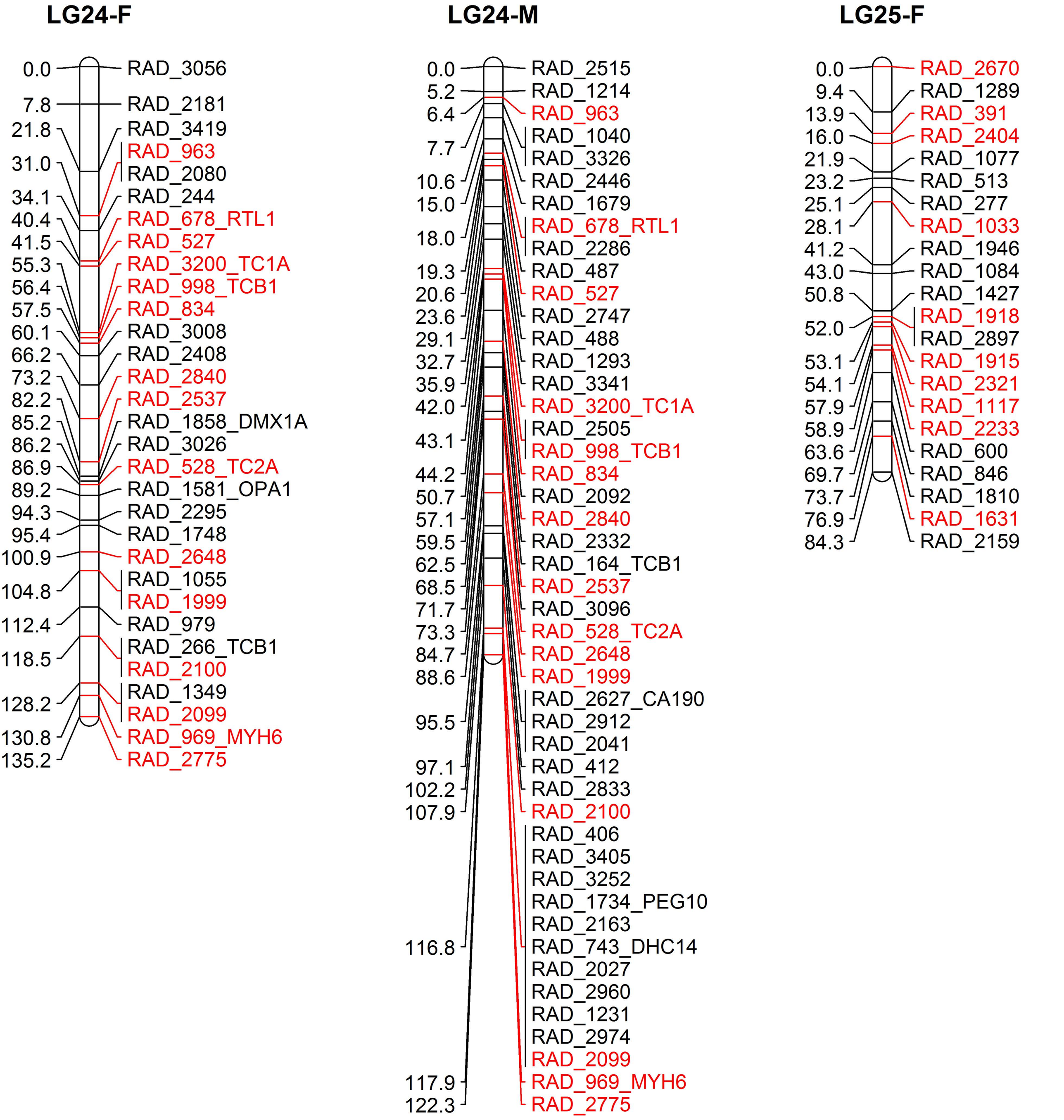

LG19-F
0.0
7.5
13.2
14.3
15.9
17.5
18.7
19.6
19.7
20.3
22.6
24.4
25.5
26.5
30.1
32.5
37.9
39.7
41.0
51.0
55.4
57.9
63.7
65.8
70.4
89.2
94.1
112.2
117.8
120.2
122.6
RAD_3373
RAD_2604
RAD_649
RAD_1178
RAD_2999
RAD_193
RAD_2199
RAD_2272
RAD_1021
RAD_530
RAD_3320
RAD_1255
RAD_358_TC1A
RAD_514
RAD_1395
OneH3
RAD_829_GMCL1
RAD_2035
RAD_901
RAD_3275
RAD_993
RAD_1109_U88
RAD_842
RAD_680
RAD_3051
RAD_2436
RAD_2467
RAD_2079
RAD_1508
RAD_147
RAD_1212
RAD_1617
RAD_3247
RAD_446
LG19-M
0.0
3.1
7.3
10.4
11.5
13.1
14.6
15.7
17.5
19.4
20.4
26.5
29.5
35.7
37.3
40.1
48.0
53.9
59.9
62.0
80.6
85.2
100.2
RAD_778
RAD_1974
RAD_2858
RAD_956_CL18A
RAD_1178
RAD_2198
RAD_2796_POL
RAD_1867
RAD_1890
RAD_1493
RAD_193
RAD_2199
RAD_530
RAD_1255
RAD_514
RAD_1395
RAD_1481
RAD_1018
RAD_901
RAD_993
RAD_1132
RAD_1109_U88
RAD_680
RAD_3051
RAD_2436
RAD_982
RAD_759_TIAM1
RAD_1221

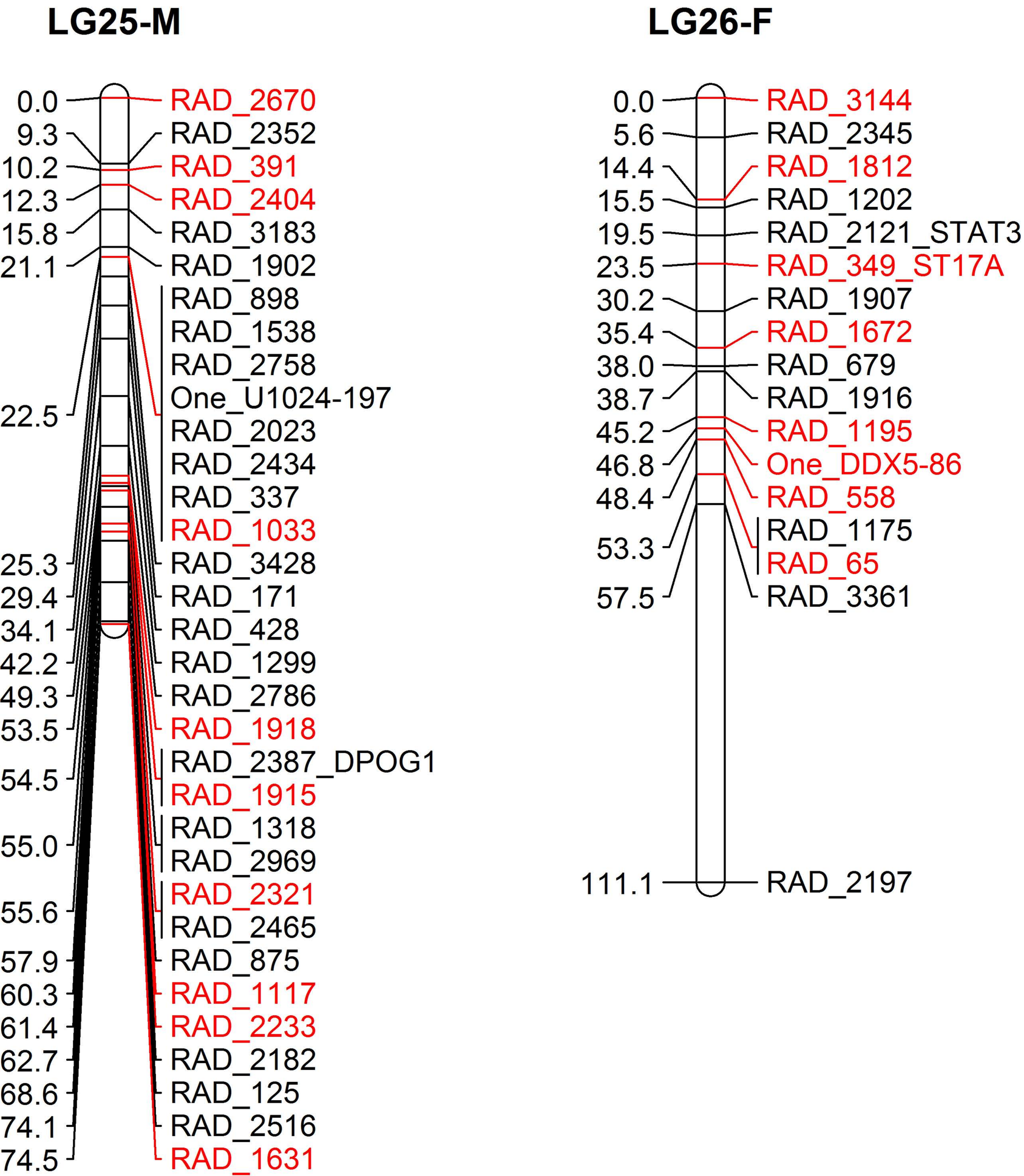

LG20-F
0.0 RAD_3222
1.3 RAD_576
2.4 RAD_3086
9.5 RAD_777
13.6 RAD_2175
19.2 RAD_2166
21.2 OneB8
OneB6
23.4 One_Tf_ex11-750
25.3 RAD_191_POL3
26.4 RAD_3149
28.9 RAD_2367
34.2 RAD_1041
34.5 OneB11
36.4 RAD_1086
RAD_2299
41.6 RAD_693
51.4 RAD_2569
56.0 RAD_2971
RAD_2622
60.2 RAD_3392
61.0 RAD_1704
62.5 RAD_162
63.1 RAD_2059
67.8 RAD_1862
79.3 RAD_1991
82.9 RAD_1831
89.2 RAD_2696
89.8 RAD_3058
91.4 RAD_950
95.6 RAD_2539
104.1 RAD_1191
112.1 RAD_2847
115.9 RAD_2766
117.3 RAD_2140
RAD_1567
118.7 RAD_563
119.4 RAD_1912
121.4 RAD_2610
125.2 RAD_709
158.1 RAD_2488
LG20-M
0.0 RAD_950
2.3 RAD_2696
8.8 RAD_1831
12.6 RAD_1991
31.2 RAD_2569
41.8 RAD_693
46.8 RAD_2299
47.8 RAD_1041
49.4 RAD_3421
51.6 RAD_2535
52.7 RAD_2261
52.8 RAD_1927_ELK1
52.9 RAD_194
53.0 RAD_1909
53.1 RAD_2995_TC2A
53.2 RAD_2701
54.2 RAD_1636
59.7 RAD_1677
65.2 RAD_1229
67.4 RAD_1242
69.4 RAD_1642
70.7 RAD_191_POL3
72.7 RAD_3149
72.8 RAD_3345
72.9 RAD_1846
74.4 RAD_2422
76.3 RAD_197_VASN
77.2 RAD_750
77.3 RAD_501_HUWE1
77.4 RAD_2014
77.5 RAD_1700
78.4 RAD_1351
81.0 RAD_12
81.8 RAD_2692
82.6 RAD_640
82.7 One_Tf_ex11-750
82.8 RAD_2844
82.9 RAD_2180
83.0 RAD_3209
83.1 RAD_464
83.2 RAD_1701_UBE4B
83.9 RAD_1633
84.6 RAD_3010
85.3 RAD_297
85.4 RAD_1276
85.5 RAD_893
86.4 RAD_1670
93.5 RAD_2271
101.8 RAD_576
110.0 RAD_1881
117.5 OneB8
161.9 RAD_1191
171.8 RAD_2610
173.4 RAD_563
175.0 RAD_2766
178.8 RAD_709
212.8 RAD_2488
228.1 RAD_2500
232.1 RAD_3379
253.6 RAD_1204

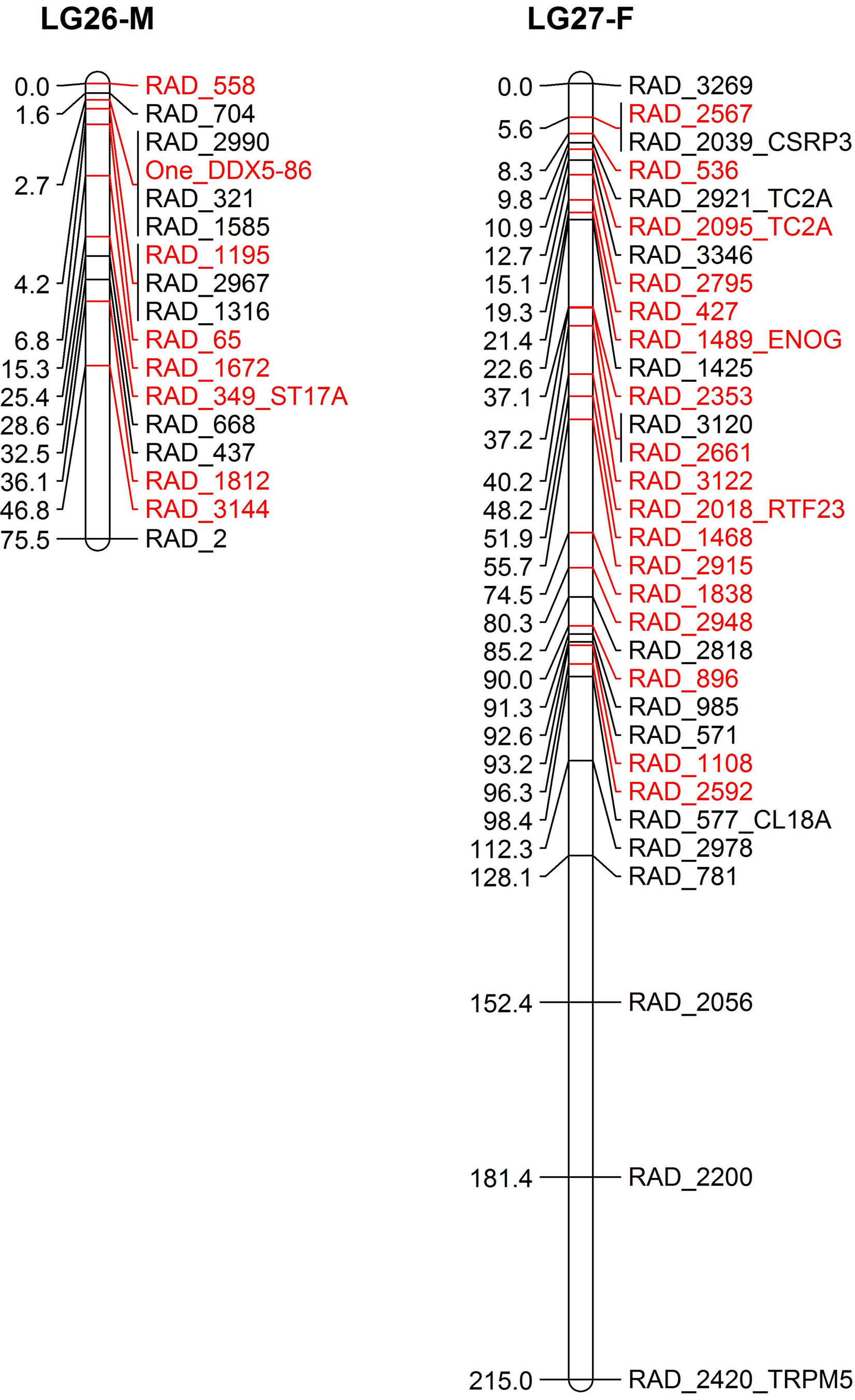

LG21-F
0.0
RAD_941
30.4
RAD_1036
57.9
RAD_452
75.3
RAD_3315_CLD4
84.8
RAD_2640
87.8
RAD_1875
88.5
RAD_2767
RAD_1460
89.2
RAD_3111
93.6
RAD_3179
102.4
RAD_367
115.4
RAD_757
118.6
RAD_3063_ZN180
119.6
RAD_3386
122.9
RAD_386
129.2
RAD_175
130.8
RAD_2718
134.9
RAD_2052_SIA8F
143.9
RAD_2922
145.8
RAD_2327
146.5
RAD_1181
151.9
RAD_2823
159.9
RAD_3078
162.2
One_U1207-231
166.6
RAD_1526
180.3
RAD_3007
198.8
RAD_503
217.4
RAD_1141
LG21-M
0.0
RAD_1337
26.4
RAD_1875
27.5
RAD_1460
47.3
RAD_1233
58.9
RAD_757
62.1
RAD_3063_ZN180
65.2
RAD_386
68.6
RAD_3348
72.8
RAD_175
74.3
RAD_2718
78.2
RAD_2052_SIA8F
85.2
RAD_888_TC2A
87.3
RAD_1009
90.9
RAD_205
RAD_2823
RAD_925
One_KPNA-422
92.6
RAD_3236
RAD_3028
RAD_2540
RAD_165
94.3
RAD_1756
97.6
RAD_816
100.9
RAD_43_KRA54
RAD_2543_CE170
RAD_3182
104.2
RAD_3140
RAD_3078
110.8
RAD_2194
122.0
RAD_1264
131.9
RAD_2618
147.8
RAD_1531
168.8
RAD_1984

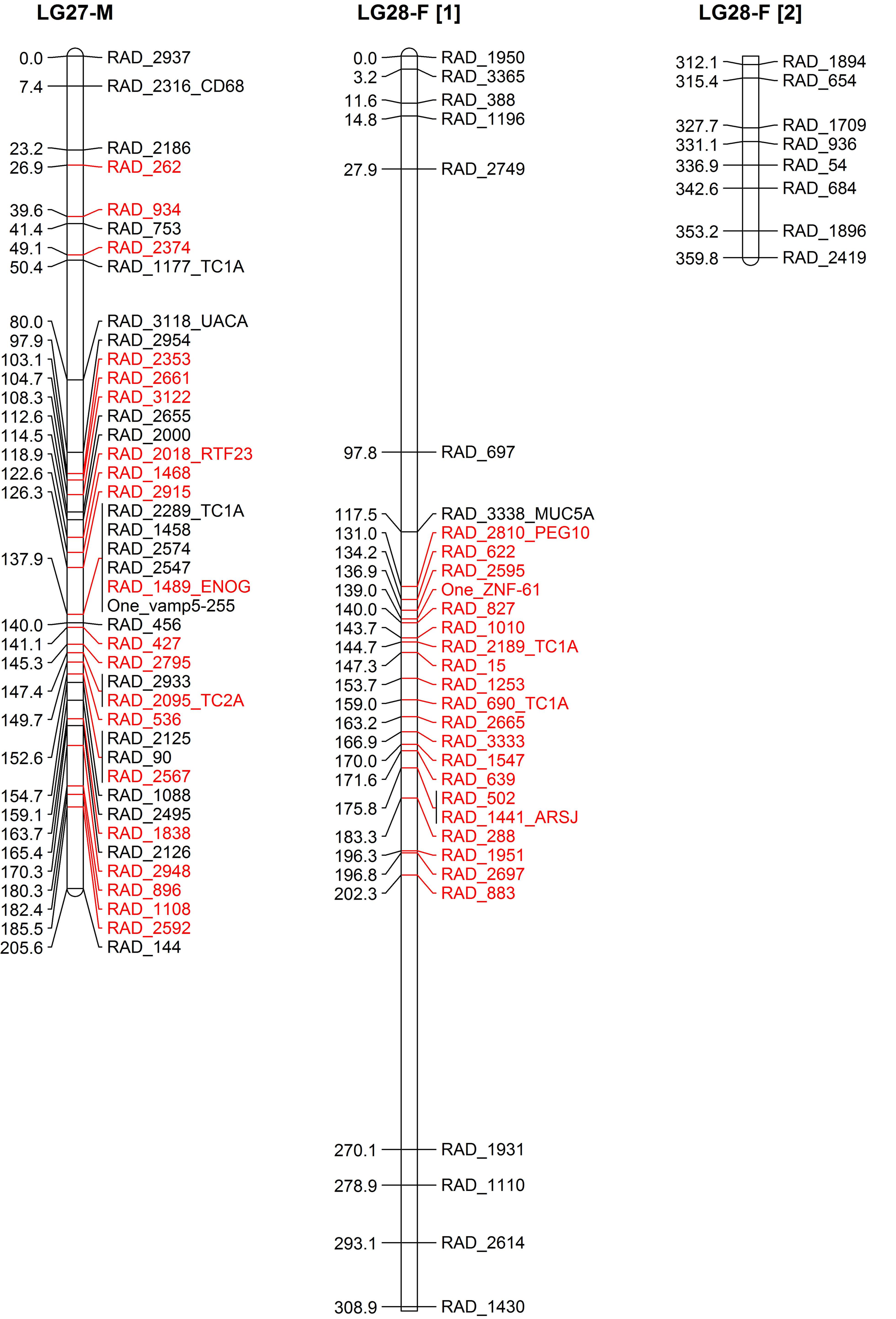

LG22-F
0.0 RAD_1194
3.2 RAD_2492
8.8 RAD_845
19.1 RAD_2698
24.9 RAD_1573
36.4 RAD_548
58.5 RAD_2830
59.0 RAD_1610
60.2 RAD_187
65.3 RAD_2805
68.1 RAD_176
70.4 RAD_2868
73.3 RAD_405
75.0 One_rpo2j-261
75.6 RAD_2136
76.1 RAD_1645
77.3 RAD_477
77.9 RAD_2405
80.0 One_HpaI-71
One_ins-107
81.0 RAD_3265
84.6 RAD_1121
RAD_1954
85.2 RAD_2070
OneH5
One_hsc71-220
89.0 RAD_3427
90.6 RAD_402
92.2 RAD_1291
95.0 RAD_1724_TC2A
96.6 RAD_303_U88
97.5 RAD_1431
106.6 RAD_344
117.2 RAD_2838
122.1 RAD_253
RAD_2458
123.5 RAD_707
RAD_3331
127.8 RAD_2028
135.0 RAD_3147
138.6 RAD_3283
154.3 RAD_608
157.1 RAD_255
160.0 RAD_2134_TC2A
163.8 RAD_3306
169.3 RAD_2972_SNX16
171.4 RAD_2644
176.1 RAD_933
181.3 RAD_793
184.8 RAD_1465
187.4 RAD_3219
189.0 RAD_1341
RAD_849
189.1 RAD_3005
RAD_91
One_LEI-87
191.1 RAD_676
RAD_2215
192.5 RAD_828
195.3 RAD_2816
201.6 RAD_2714
213.7 RAD_2636
LG22-M
0.0 RAD_2492
3.2 RAD_1194
26.2 RAD_548
36.2 RAD_1404
46.4 RAD_728
47.6 RAD_1595
50.3 RAD_2830
50.8 RAD_1610
58.7 RAD_2405
RAD_2899
58.8 RAD_810
RAD_1847
60.9 One_HpaI-71
68.7 RAD_402
70.3 RAD_1291
72.7 RAD_3261_APBP2
74.5 RAD_3366_FNIP1
RAD_1431
75.9 RAD_385
81.5 RAD_533
90.1 RAD_1970
98.4 RAD_2455
100.6 RAD_3215
104.2 RAD_835
107.0 RAD_2326
108.4 RAD_517
115.5 RAD_368
119.9 RAD_1465
122.5 RAD_3219
124.1 RAD_1341
126.2 RAD_1157
128.2 RAD_1209
130.2 RAD_1673
131.4 RAD_2680
133.8 RAD_3201
137.2 RAD_2644
138.3 RAD_1150
139.2 RAD_1825
140.1 RAD_1647
141.9 RAD_2185
144.1 RAD_1662_NUP98
146.2 RAD_3306
150.0 RAD_2134_TC2A
152.9 RAD_255
155.7 RAD_608
170.8 RAD_253
176.2 RAD_3283

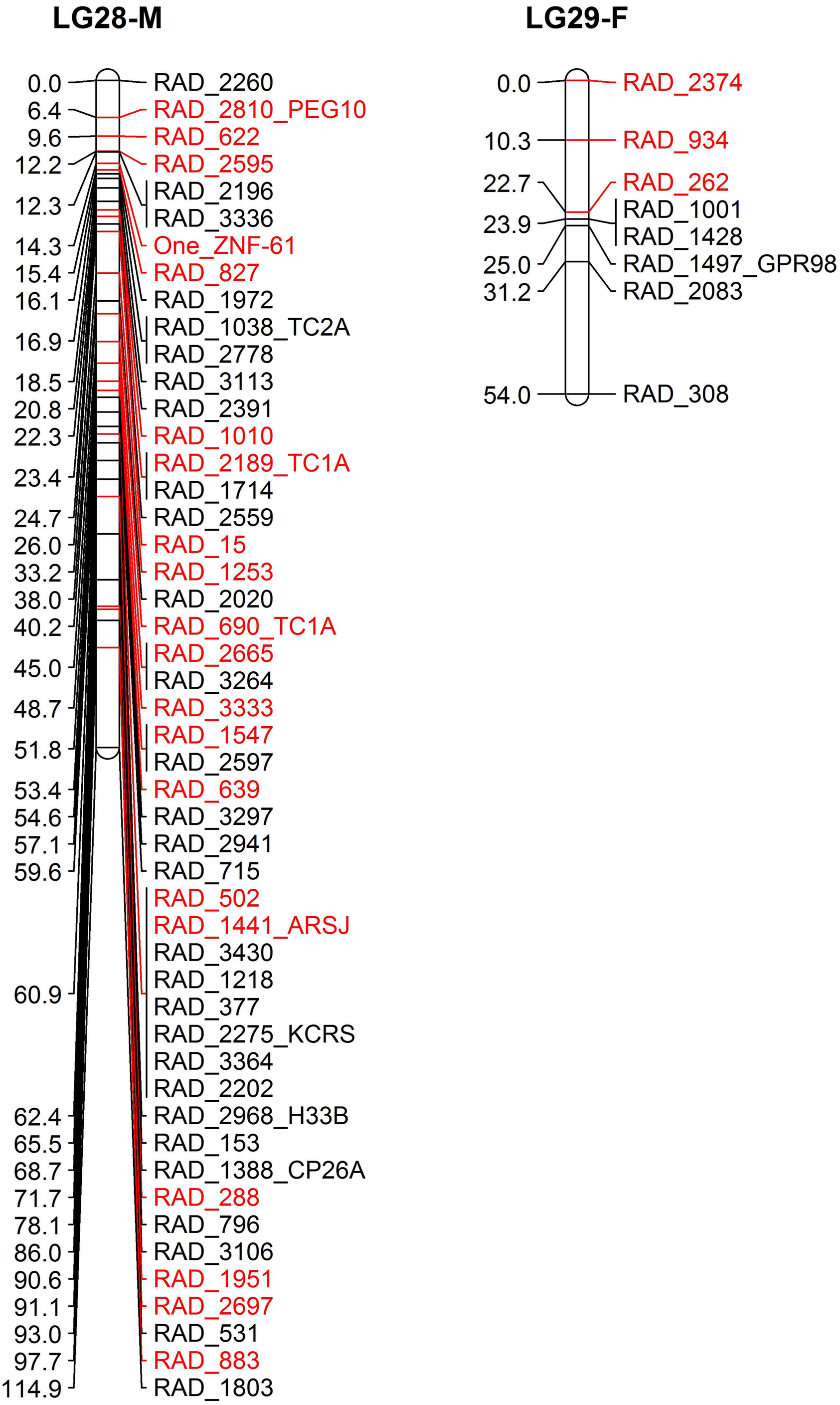

LG23-F
0.0 RAD_1606
3.2 RAD_2450
15.8 RAD_794
16.4 RAD_1271
20.1 RAD_3395
RAD_1267
27.1 RAD_1073
RAD_3019
33.9 RAD_1750
47.6 RAD_1016
RAD_1112
54.1
RAD_1840
54.9 RAD_2310
56.2 RAD_2130
61.6 RAD_506
RAD_1197
64.2
RAD_1791_RTL1
68.9 RAD_1971
73.1 RAD_1582
75.4 RAD_400
78.0 RAD_2514
82.0 RAD_1167
84.2 RAD_1552
85.4 RAD_1350
RAD_1003
87.0
RAD_959
91.0 RAD_218
96.8 RAD_366
98.1 RAD_1472
99.7 RAD_660
102.2 RAD_1064_SCUB1
103.4 RAD_1097
105.7 RAD_1284
112.0 RAD_2803
112.1 RAD_2746
113.1 RAD_722
125.1 RAD_1015
149.6 RAD_946
178.6 RAD_2998
LG23-M
0.0 RAD_722
1.1 RAD_2803
6.4 RAD_1097
9.1 RAD_660
10.9 RAD_1472
16.7 RAD_218
27.1 RAD_2611
47.9 RAD_1003
51.0 RAD_2514
55.8 RAD_1582
60.0 RAD_1971
64.7 RAD_1197
67.3 RAD_506
73.2 RAD_3011
78.9 RAD_1726
80.7 RAD_2962
81.7 RAD_1112
90.8 RAD_3044_ZN281
104.6 RAD_1750
106.8 RAD_2037
107.8 RAD_2442
109.2 RAD_1782
110.7 RAD_329
112.2 RAD_3160
115.1 RAD_254_VGLL3
120.8 RAD_1824
124.5 RAD_2819
133.8 RAD_2207
142.6 RAD_1271
143.1 RAD_794
156.4 RAD_2450
159.6 RAD_1606
230.4 RAD_629


LG24-F
0.0 RAD_3056
7.8 RAD_2181
21.8 RAD_3419
31.0 RAD_963
RAD_2080
34.1 RAD_244
40.4 RAD_678_RTL1
41.5 RAD_527
55.3 RAD_3200_TC1A
56.4 RAD_998_TCB1
57.5 RAD_834
60.1 RAD_3008
66.2 RAD_2408
73.2 RAD_2840
82.2 RAD_2537
85.2 RAD_1858_DMX1A
86.2 RAD_3026
86.9 RAD_528_TC2A
89.2 RAD_1581_OPA1
94.3 RAD_2295
95.4 RAD_1748
100.9 RAD_2648
104.8 RAD_1055
RAD_1999
112.4 RAD_979
118.5 RAD_266_TCB1
RAD_2100
128.2 RAD_1349
RAD_2099
130.8 RAD_969_MYH6
135.2 RAD_2775
LG24-M
0.0 RAD_2515
5.2 RAD_1214
6.4 RAD_963
7.7 RAD_1040
RAD_3326
10.6 RAD_2446
15.0 RAD_1679
18.0 RAD_678_RTL1
RAD_2286
19.3 RAD_487
20.6 RAD_527
23.6 RAD_2747
29.1 RAD_488
32.7 RAD_1293
35.9 RAD_3341
42.0 RAD_3200_TC1A
43.1 RAD_2505
RAD_998_TCB1
44.2 RAD_834
50.7 RAD_2092
57.1 RAD_2840
59.5 RAD_2332
62.5 RAD_164_TCB1
68.5 RAD_2537
71.7 RAD_3096
73.3 RAD_528_TC2A
84.7 RAD_2648
88.6 RAD_1999
RAD_2627_CA190
95.5 RAD_2912
RAD_2041
97.1 RAD_412
102.2 RAD_2833
107.9 RAD_2100
RAD_406
RAD_3405
RAD_3252
RAD_1734_PEG10
RAD_2163
116.8 RAD_743_DHC14
RAD_2027
RAD_2960
RAD_1231
RAD_2974
RAD_2099
117.9 RAD_969_MYH6
122.3 RAD_2775
LG25-F
0.0 RAD_2670
9.4 RAD_1289
13.9 RAD_391
16.0 RAD_2404
21.9 RAD_1077
23.2 RAD_513
25.1 RAD_277
28.1 RAD_1033
41.2 RAD_1946
43.0 RAD_1084
50.8 RAD_1427
52.0 RAD_1918
RAD_2897
53.1 RAD_1915
54.1 RAD_2321
57.9 RAD_1117
58.9 RAD_2233
63.6 RAD_600
69.7 RAD_846
73.7 RAD_1810
76.9 RAD_1631
84.3 RAD_2159


LG25-M
0.0
9.3
10.2
12.3
15.8
21.1
22.5
25.3
29.4
34.1
42.2
49.3
53.5
54.5
55.0
55.6
57.9
60.3
61.4
62.7
68.6
74.1
74.5
RAD_2670
RAD_2352
RAD_391
RAD_2404
RAD_3183
RAD_1902
RAD_898
RAD_1538
RAD_2758
One_U1024-197
RAD_2023
RAD_2434
RAD_337
RAD_1033
RAD_3428
RAD_171
RAD_428
RAD_1299
RAD_2786
RAD_1918
RAD_2387_DPOG1
RAD_1915
RAD_1318
RAD_2969
RAD_2321
RAD_2465
RAD_875
RAD_1117
RAD_2233
RAD_2182
RAD_125
RAD_2516
RAD_1631
LG26-F
0.0
5.6
14.4
15.5
19.5
23.5
30.2
35.4
38.0
38.7
45.2
46.8
48.4
53.3
57.5
111.1
RAD_3144
RAD_2345
RAD_1812
RAD_1202
RAD_2121_STAT3
RAD_349_ST17A
RAD_1907
RAD_1672
RAD_679
RAD_1916
RAD_1195
One_DDX5-86
RAD_558
RAD_1175
RAD_65
RAD_3361
RAD_2197


LG26-M
0.0
1.6
2.7
4.2
6.8
15.3
25.4
28.6
32.5
36.1
46.8
75.5
RAD_558
RAD_704
RAD_2990
One_DDX5-86
RAD_321
RAD_1585
RAD_1195
RAD_2967
RAD_1316
RAD_65
RAD_1672
RAD_349_ST17A
RAD_668
RAD_437
RAD_1812
RAD_3144
RAD_2
LG27-F
0.0
5.6
8.3
9.8
10.9
12.7
15.1
19.3
21.4
22.6
37.1
37.2
40.2
48.2
51.9
55.7
74.5
80.3
85.2
90.0
91.3
92.6
93.2
96.3
98.4
112.3
128.1
152.4
181.4
215.0
RAD_3269
RAD_2567
RAD_2039_CSRP3
RAD_536
RAD_2921_TC2A
RAD_2095_TC2A
RAD_3346
RAD_2795
RAD_427
RAD_1489_ENOG
RAD_1425
RAD_2353
RAD_3120
RAD_2661
RAD_3122
RAD_2018_RTF23
RAD_1468
RAD_2915
RAD_1838
RAD_2948
RAD_2818
RAD_896
RAD_985
RAD_571
RAD_1108
RAD_2592
RAD_577_CL18A
RAD_2978
RAD_781
RAD_2056
RAD_2200
RAD_2420_TRPM5


LG27-M
0.0 RAD_2937
7.4 RAD_2316_CD68
23.2 RAD_2186
26.9 RAD_262
39.6 RAD_934
41.4 RAD_753
49.1 RAD_2374
50.4 RAD_1177_TC1A
80.0 RAD_3118_UACA
97.9 RAD_2954
103.1 RAD_2353
104.7 RAD_2661
108.3 RAD_3122
112.6 RAD_2655
114.5 RAD_2000
118.9 RAD_2018_RTF23
122.6 RAD_1468
126.3 RAD_2915
RAD_2289_TC1A
RAD_1458
RAD_2574
137.9 RAD_2547
RAD_1489_ENOG
One_vamp5-255
140.0 RAD_456
141.1 RAD_427
145.3 RAD_2795
RAD_2933
147.4 RAD_2095_TC2A
149.7 RAD_536
RAD_2125
152.6 RAD_90
RAD_2567
154.7 RAD_1088
159.1 RAD_2495
163.7 RAD_1838
165.4 RAD_2126
170.3 RAD_2948
180.3 RAD_896
182.4 RAD_1108
185.5 RAD_2592
205.6 RAD_144
LG28-F [1]
0.0 RAD_1950
3.2 RAD_3365
11.6 RAD_388
14.8 RAD_1196
27.9 RAD_2749
97.8 RAD_697
117.5 RAD_3338_MUC5A
131.0 RAD_2810_PEG10
134.2 RAD_622
136.9 RAD_2595
139.0 One_ZNF-61
140.0 RAD_827
143.7 RAD_1010
144.7 RAD_2189_TC1A
147.3 RAD_15
153.7 RAD_1253
159.0 RAD_690_TC1A
163.2 RAD_2665
166.9 RAD_3333
170.0 RAD_1547
171.6 RAD_639
RAD_502
175.8 RAD_1441_ARSJ
183.3 RAD_288
196.3 RAD_1951
196.8 RAD_2697
202.3 RAD_883
270.1 RAD_1931
278.9 RAD_1110
293.1 RAD_2614
308.9 RAD_1430
LG28-F [2]
312.1 RAD_1894
315.4 RAD_654
327.7 RAD_1709
331.1 RAD_936
336.9 RAD_54
342.6 RAD_684
353.2 RAD_1896
359.8 RAD_2419


LG28-M
0.0
6.4
9.6
12.2
12.3
14.3
15.4
16.1
16.9
18.5
20.8
22.3
23.4
24.7
26.0
33.2
38.0
40.2
45.0
48.7
51.8
53.4
54.6
57.1
59.6
60.9
62.4
65.5
68.7
71.7
78.1
86.0
90.6
91.1
93.0
97.7
114.9
RAD_2260
RAD_2810_PEG10
RAD_622
RAD_2595
RAD_2196
RAD_3336
One_ZNF-61
RAD_827
RAD_1972
RAD_1038_TC2A
RAD_2778
RAD_3113
RAD_2391
RAD_1010
RAD_2189_TC1A
RAD_1714
RAD_2559
RAD_15
RAD_1253
RAD_2020
RAD_690_TC1A
RAD_2665
RAD_3264
RAD_3333
RAD_1547
RAD_2597
RAD_639
RAD_3297
RAD_2941
RAD_715
RAD_502
RAD_1441_ARSJ
RAD_3430
RAD_1218
RAD_377
RAD_2275_KCRS
RAD_3364
RAD_2202
RAD_2968_H33B
RAD_153
RAD_1388_CP26A
RAD_288
RAD_796
RAD_3106
RAD_1951
RAD_2697
RAD_531
RAD_883
RAD_1803
LG29-F
0.0
10.3
22.7
23.9
25.0
31.2
54.0
RAD_2374
RAD_934
RAD_262
RAD_1001
RAD_1428
RAD_1497_GPR98
RAD_2083
RAD_308