Developing a parsimonius predictor for binary traits in sugar beet (*Beta vulgaris*)

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Table 1: SNP rank from the BOSS model selection algorithm. The chromosome and scaffold on which the SNPs are located are also reported ("-" indicates unknown chromosome or scaffold). SNPs were aligned on the Ref0.9 assembly of *B. vulgaris* genome

SNP Name	Chromosome	Scaffold
SNP109	9	scaffold00456
SNP188	-	contig93422
SNP128	3	scaffold00113
SNP41	-	scaffold01031
SNP182	7	scaffold00033
SNP78	2	scaffold00018
SNP1	7	scaffold00202
SNP36	9	scaffold00197
SNP180	8	scaffold00002
SNP161	9	scaffold00013
SNP169	9	scaffold00076
SNP44	-	scaffold00704
SNP19	-	scaffold00437
SNP142	-	scaffold00069
SNP173	9	scaffold00167

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SNP176	8	scaffold00002
SNP178	-	scaffold01031
SNP101	3	scaffold00161
SNP175	9	scaffold00013
SNP181	-	-
SNP201	-	scaffold00704
SNP10	9	scaffold00197
SNP27	9	scaffold00167
SNP62	2	scaffold00406
SNP107	9	scaffold00013
SNP63	9	scaffold00007
SNP166	9	scaffold00007
SNP106	-	-
SNP200	8	scaffold00090
SNP187	4	scaffold00236
SNP145	9	scaffold00705
SNP43	-	scaffold00437
SNP133	9	scaffold00013
SNP26	2	scaffold00485
SNP165	3	scaffold00015
SNP16	9	scaffold00013
SNP140	2	scaffold00018
SNP126	2	scaffold00116
SNP85	4	scaffold00236
SNP35	5	scaffold00108
SNP55	6	scaffold00120
SNP199	5	scaffold00243
SNP71	-	-
SNP152	5	scaffold00184
SNP164	4	scaffold00159
SNP48	9	scaffold00583
SNP58	7	contig87254
SNP28	6	scaffold00040
SNP3	-	-
SNP47	4	scaffold00236
SNP88	7	scaffold00303
SNP30	8	scaffold00356
SNP157	5	scaffold00034
SNP96	4	scaffold00085
SNP13	4	scaffold00105
SNP114	3	scaffold00863
SNP5	4	scaffold00236
SNP113	-	scaffold00704
SNP6	9	scaffold00394
SNP11	4	scaffold00661
SNP50	4	scaffold00236

SNP46	-	scaffold00704
SNP150	6	scaffold00141
SNP179	3	scaffold00125
SNP21	-	-
SNP89	7	scaffold00202
SNP8	6	scaffold00023
SNP49	-	-
SNP156	9	scaffold00013
SNP66	4	scaffold00236
SNP160	4	scaffold00195
SNP97	-	scaffold00248
SNP125	7	contig87254
SNP45	9	scaffold00013
SNP124	2	scaffold00717
SNP159	-	-
SNP131	9	scaffold00013
SNP196	1	scaffold00139
SNP192	5	scaffold00252
SNP17	4	scaffold00104
SNP170	-	-
SNP158	-	-
SNP42	-	scaffold01041
SNP102	-	scaffold00069
SNP197	9	scaffold00013
SNP93	4	scaffold00105
SNP81	3	scaffold00125
SNP56	7	scaffold00026
SNP191	8	scaffold00152
SNP52	2	scaffold00010
SNP153	7	scaffold00407
SNP7	-	scaffold00437
SNP122	7	scaffold00501
SNP33	7	scaffold00349
SNP130	-	-
SNP2	-	-
SNP76	7	scaffold00349
SNP84	2	scaffold00717
SNP129	3	scaffold00125
SNP203	2	scaffold00717
SNP121	5	scaffold00190
SNP79	7	scaffold00293
SNP40	4	scaffold00147
SNP193	3	scaffold00125
SNP117	4	scaffold00474
SNP149	3	scaffold00157
SNP137	7	scaffold00522

SNP68	2	scaffold00256
SNP155	7	scaffold00303
SNP204	8	scaffold00028
SNP183	6	scaffold00336
SNP154	4	scaffold00166
SNP64	3	scaffold00267
SNP198	6	scaffold00120
SNP148	2	scaffold00717
SNP194	6	scaffold00336
SNP103	3	scaffold00780
SNP108	5	scaffold00034
SNP14	5	scaffold00011
SNP144	-	scaffold00966
SNP87	1	scaffold00712
SNP75	6	scaffold00022
SNP91	8	scaffold00186
SNP67	6	scaffold00023
SNP184	4	scaffold00159
SNP65	3	scaffold00157
SNP32	4	scaffold00127
SNP111	5	scaffold00639
SNP105	4	scaffold00063
SNP80	6	scaffold00211
SNP29	1	scaffold00537
SNP141	3	scaffold00125
SNP136	5	scaffold00006
SNP134	6	scaffold00178
SNP100	3	scaffold00267
SNP90	6	scaffold00022
SNP162	6	scaffold00022
SNP99	-	scaffold00683
SNP12	1	scaffold00004
SNP143	-	-
SNP25	7	scaffold00349
SNP110	7	scaffold00008
SNP39	6	scaffold00330
SNP168	4	scaffold00236
SNP119	4	scaffold00334
SNP72	-	-
SNP38	4	scaffold00635
SNP60	4	scaffold00191
SNP190	8	scaffold00086
SNP37	3	scaffold00404
SNP51	7	scaffold00349
SNP92	7	scaffold00349
SNP116	5	scaffold00034

SNP151	4	scaffold00337
SNP104	8	scaffold00028
SNP195	6	scaffold00211
SNP172	7	scaffold00177
SNP146	4	scaffold00570
SNP174	4	scaffold00570
SNP34	-	-
SNP31	9	scaffold00138
SNP77	5	scaffold00006
SNP83	1	scaffold00660
SNP115	7	scaffold00049
SNP24	-	-
SNP70	4	scaffold00306
SNP82	4	scaffold00306
SNP139	3	scaffold00030
SNP73	1	scaffold00001
SNP185	-	-
SNP147	4	scaffold00166
SNP4	1	scaffold00660
SNP171	4	scaffold00191
SNP94	7	scaffold00180
SNP98	1	scaffold00004