

## MICROSYNTENIC PHYLOGENETIC FOOTPRINTING OF *MIR168* LOCI IN BRASSICACEAE

Silvia Gazzani, Mingai Li, Silvia Maistri, Eliana Scarponi, Michele Graziola, Enrico Barbaro, Jörg Wunder, Antonella Furini, Heinz Saedler and Claudio Varotto

### Additional File 1

Arabidopsis and poplar BLASTP RBM pairs and homologous gene pairs present in the *MIR168* syntenic regions and corresponding to gray and black lines in Figure 1A, respectively.

Ath accession number	Location	Start	End	Strand	Poplar accession number	Location	Start	End	Strand	RBM
AT4G19340.1	Chr4	10559621	10560895	+	gjil Poptr1_1 783288 fgenes4_pg.C_scaffold_86000148	scaffold_86	1233580	1236489	-	no
AT4G19350.1	Chr4	10562034	10563768	-	gjil Poptr1_1 297492 gw1.86.383.1	scaffold_86	1247120	1250215	+	yes
AT4G19360.1	Chr4	10564170	10565417	+	gjil Poptr1_1 783288 fgenes4_pg.C_scaffold_86000148	scaffold_86	1233580	1236489	-	no
AT4G19370.1	Chr4	10566161	10567849	-	gjil Poptr1_1 827495 estExt_fgenes4_pg.C_860147	scaffold_86	1231066	1232602	+	no
AT4G19380.1	Chr4	10568376	10572423	-	gjil Poptr1_1 810654 fgenes4_pm.C_scaffold_86000052	scaffold_86	1226473	1229825	+	yes
AT4G19390.1	Chr4	10574779	10576439	-	gjil Poptr1_1 297476 gw1.86.367.1	scaffold_86	1188370	1189987	+	yes
AT4G19400.1	Chr4	10580838	10582000	-	gjil Poptr1_1 817261 estExt_fgenes4_pg.C_LG_III0842	LG_III	10319963	10322147	-	yes
AT4G19410.1	Chr4	10582032	10585769	-	gjil Poptr1_1 827491 estExt_fgenes4_pg.C_860138	scaffold_86	1136355	1139435	-	no
AT4G19410.1	Chr4	10582032	10585769	-	gjil Poptr1_1 827492 estExt_fgenes4_pg.C_860139	scaffold_86	1148267	1152458	-	no
AT4G19410.1	Chr4	10582032	10585769	-	gjil Poptr1_1 553558 eugene3.00030191	LG_III	2724212	2727104	+	yes
AT4G19420.1	Chr4	10587177	10590561	-	gjil Poptr1_1 827492 estExt_fgenes4_pg.C_860139	scaffold_86	1148267	1152458	-	yes
AT4G19420.1	Chr4	10587177	10590561	-	gjil Poptr1_1 827491 estExt_fgenes4_pg.C_860138	scaffold_86	1136355	1139435	-	no
AT4G19420.1	Chr4	10587177	10590561	-	gjil Poptr1_1 553558 eugene3.00030191	LG_III	2724212	2727104	+	no
AT4G19430.1	Chr4	10598456	10599162	-	gjil Poptr1_1 817257 estExt_fgenes4_pg.C_LG_III0833	LG_III	10245085	10245602	+	yes
AT4G19440.1	Chr4	10600801	10604531	-	gjil Poptr1_1 414018 gw1.III.1121.1	LG_III	10237663	10239939	+	yes
AT4G19450.1	Chr4	10606464	10609346	+	gjil Poptr1_1 799838 fgenes4_pm.C_LG_III000303	LG_III	10225315	10231352	-	yes
AT4G19460.1	Chr4	10610320	10612016	-	gjil Poptr1_1 554146 eugene3.00030779	LG_III	10223425	10224894	+	yes
AT5G45275.1	Chr5	18351632	18354607	-	gjil Poptr1_1 799838 fgenes4_pm.C_LG_III000303	LG_III	10225315	10231352	-	no
AT5G45280.1	Chr5	18362822	18366922	+	gjil Poptr1_1 827492 estExt_fgenes4_pg.C_860139	scaffold_86	1148267	1152458	-	no
AT5G45280.1	Chr5	18362822	18366922	+	gjil Poptr1_1 827491 estExt_fgenes4_pg.C_860138	scaffold_86	1136355	1139435	-	yes
AT5G45280.1	Chr5	18362822	18366922	+	gjil Poptr1_1 553558 eugene3.00030191	LG_III	2724212	2727104	+	no
AT5G45290.1	Chr5	18367009	18369725	-	gjil Poptr1_1 817260 estExt_fgenes4_pg.C_LG_III0841	LG_III	10309691	10314860	-	yes
AT5G45300.1	Chr5	18370835	18374102	+	gjil Poptr1_1 414016 gw1.III.1119.1	LG_III	10302181	10308051	-	yes
AT5G45310.1	Chr5	18376502	18378341	-	gjil Poptr1_1 297474 gw1.86.365.1	scaffold_86	1175722	1178140	-	yes
AT5G45320.1	Chr5	18379338	18380395	-	gjil Poptr1_1 810653 fgenes4_pm.C_scaffold_86000051	scaffold_86	1184973	1185494	-	no
AT5G45320.1	Chr5	18379338	18380395	-	gjil Poptr1_1 414318 gw1.III.1421.1	LG_III	2694005	2694556	+	yes
AT5G45330.1	Chr5	18380633	18383897	-	gjil Poptr1_1 783288 fgenes4_pg.C_scaffold_86000148	scaffold_86	1233580	1236489	-	yes
AT5G45340.1	Chr5	18385869	18388218	-	gjil Poptr1_1 783291 fgenes4_pg.C_scaffold_86000151	scaffold_86	1254410	1256451	-	no
AT5G45360.1	Chr5	18401748	18404012	-	gjil Poptr1_1 827502 estExt_fgenes4_pg.C_860159	scaffold_86	1326050	1329566	-	yes
AT5G45370.1	Chr5	18405518	18407647	+	gjil Poptr1_1 836846 estExt_fgenes4_pm.C_860060	scaffold_86	1418977	1421720	-	no
AT5G45380.1	Chr5	18408351	18413121	+	gjil Poptr1_1 415505 gw1.III.2608.1	LG_III	10131890	10134134	+	yes
AT5G45390.1	Chr5	18413529	18415343	+	gjil Poptr1_1 554124 eugene3.00030757	LG_III	10096309	10099359	-	yes
AT5G45400.1	Chr5	18416217	18418871	+	gjil Poptr1_1 646356 grail3.0018008701	LG_III	10062020	10064330	-	yes