```
% this is ../../crops/18r/planning/current pedigrees/secondary dominants/les-mil- mop1
% generated Friday, June 01, 2018 at 21:28:51 UTC (=1527888531.024897) by compute_pedigrees/1.
% Horizontal pedigrees, generations at same indentation. S: Mo20W; W: W23; M: M14.
% !!! => cross was not by Toni; references to image locations on right.
% mop1/Les*-mi1-
 09R0122:0000000 x 09R0122:0000000
      09R201:S0041102 x 09R0122:0009505
                                                   09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
           10R205:S0003110 x 10R3068:0037803
                                                        10R3068:0037803: [10r/gimmel/6.8-[577,578]]
                                                        10R3068:0037806: [10r/gimmel/6.8-[574,576]]
           10R205:S0003111 x 10R3068:0037806
           10R205:S0003404 x 10R3068:0037803
                                                        10R3068:0037803: [10r/qimmel/6.8-[577,578]]
           10R205:S0009803 x 10R3068:0037802
                                                        10R3068:0037802: [10r/qimmel/6.8-[579,580]]
                11N205:S0033007 x 11N3324:0022204
                     14R205:S0000110 x 14R3722:0026809
                                                                  14R3722:0026809: [14r/bet/23.8-[2362]]
                     14R205:S0000205 x 14R3722:0026805
                                                                  14R3722:0026805: [14r/bet/23.8-[2382]]
                     14R205:S0000207 x 14R3722:0026805
                                                                  14R3722:0026805: [14r/bet/23.8-[2382]]
                     14R205:S0000504 x 14R3722:0026809
                                                                  14R3722:0026809: [14r/bet/23.8-[2362]]
                     14R205:S0000506 x 14R3722:0026809
                                                                  14R3722:0026809: [14r/bet/23.8-[2362]]
                          15R205:S0000111 x 15R4412:0018107
                                                                       15R4412:0018107: [15r/bet/11.8-[2647]]
                          15R205:S0000113 x 15R4412:0018107
                                                                       15R4412:0018107: [15r/bet/11.8-[2647]]
                          15R205:S0000115 x 15R4412:0018107
                                                                       15R4412:0018107: [15r/bet/11.8-[2647]]
                          15R205:S0000403 x 15R4412:0018105
                                                                       15R4412:0018105: [15r/bet/11.8-[2675]]
                          15R205:S0000408 x 15R4412:0018104
                                                                       15R4412:0018104: [15r/bet/11.8-[2644]]
                          15R205:S0000510 x 15R4412:0018104
                                                                       15R4412:0018104: [15r/bet/11.8-[2644]]
                                                                             16R4537:0014611: [16r/qimmel/28.7-[232]]
                               16R205:S0001303 x 16R4537:0014611
                                    17R4538:0010801 x 17R4538:0010801
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
   17R4538:0010801: [17r/qimmel/2.8-[322]]
                                    17R4538:0010804 x 17R4538:0010801
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
                                    17R4538:0010809 x 17R4538:0010807
                                                                                 17R4538:0010807: [17r/gimmel/2.8-[326]]
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
                                    17R4538:0010811 x 17R4538:0010801
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
                                    17R4538:0010813 x 17R4538:0010801
                                    17R505:B0002902 x 17R4538:0010807
                                                                                 17R4538:0010807: [17r/gimmel/2.8-[326]]
                                                                                 17R4538:0010807: [17r/gimmel/2.8-[326]]
                                    17R505:B0002903 x 17R4538:0010807
                                                                                 17R4538:0010807: [17r/gimmel/2.8-[326]]
                                    17R505:B0002904 x 17R4538:0010807
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
                                    17R505:B0002905 x 17R4538:0010801
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
                                    17R505:B0002907 x 17R4538:0010801
                                    17R505:B0002908 x 17R4538:0010801
                                                                                 17R4538:0010801: [17r/gimmel/2.8-[322]]
                               16R205:S0001305 x 16R4537:0014608
                                                                            16R4537:0014608: [16r/gimmel/28.7-[226]]
                               16R205:S0001307 x 16R4537:0014607
                                                                            16R4537:0014607: [16r/gimmel/28.7-[225]]
                          15R205:S0000514 x 15R4412:0018104
                                                                       15R4412:0018104: [15r/bet/11.8-[2644]]
                11N205:S0037905 x 11N3324:0022209
      09R201:S0041105 x 09R0122:0009505
                                                   09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
      09R201:S0041705 x 09R0122:0009504
                                                   09R0122:0009504: [09r/bet/23.8-[26],09r/bet/25.8-[53]]
      09R201:S0041707 x 09R0122:0009505
                                                   09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
      09R201:S0042301 x 09R0122:0009509
                                                   09R0122:0009509: [09r/bet/23.8-[27],09r/bet/25.8-[56]]
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09R301:W0041301 x 09R0122:0009505
                                              09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
     10R305:W0003001 x 10R3069:0037902
                                                   10R3069:0037902: [10r/gimmel/6.8-[581,582]]
     10R305:W0003002 x 10R3069:0037907
                                                  10R3069:0037907: [10r/gimmel/6.8-[583,584]]
     10R305:W0003007 x 10R3069:0037908
                                                   10R3069:0037908: [10r/qimmel/6.8-[585,586]]
          11R305:W0050618 x 11R3325:0029502
                                                       11R3325:0029502: [11r/aleph/19.8-[1160]]
          11R305:W0050909 x 11R3325:0029504
                                                       11R3325:0029504: [11r/aleph/19.8-[1158]]
               11N305:W0035908 x 11N3478:0022306
                                                                  12R3723:0040009: [12r/aleph/9.8-[2196]]
                    12R305:W0002610 x 12R3723:0040009
                         14R305:W0000713 x 14R4186:0026902
                                                                       14R4186:0026902: [14r/bet/23.8-[2394]]
                         14R305:W0000714 x 14R4186:0026904
                                                                       14R4186:0026904: [14r/bet/23.8-[2383]]
                         14R305:W0001007 x 14R4186:0026908
                                                                       14R4186:0026908: [14r/bet/23.8-[2388]]
                    12R305:W0002611 x 12R3723:0040013
                                                                  12R3723:0040013: [12r/aleph/9.8-[2198]]
                    12R305:W0002612 x 12R3723:0040015
                                                                  12R3723:0040015: [12r/aleph/9.8-[2201]]
               11N305:W0041901 x 11N3478:0022308
09R301:W0041607 x 09R0122:0009504
                                              09R0122:0009504: [09r/bet/23.8-[26],09r/bet/25.8-[53]]
09R301:W0041609 x 09R0122:0009505
                                              09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
09R301:W0042203 x 09R0122:0009509
                                              09R0122:0009509: [09r/bet/23.8-[27],09r/bet/25.8-[56]]
                                             09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
09R401:M0041202 \times 09R0122:0009505
     10R405:M0001605 x 10R3070:0038007
                                                   10R3070:0038007: [10r/gimmel/6.8-[587,588]]
                                                       11R3326:0029601: [11r/aleph/19.8-[1155]]
          11R405:M0050703 x 11R3326:0029601
               11N405:M0031302 x 11N3479:0022401
                    13R405:M0003607 x 13R3724:0030603
                         14R405:M0001509 x 14R4313:0027007
                                                                       14R4313:0027007: [14r/bet/23.8-[2395]]
                         14R405:M0001510 \times 14R4313:0027007
                                                                       14R4313:0027007: [14r/bet/23.8-[2395]]
                         14R405:M0001815 x 14R4313:0027007
                                                                       14R4313:0027007: [14r/bet/23.8-[2395]]
                    13R405:M0003610 x 13R3724:0030601
          11R405:M0050706 x 11R3326:0029605
                                                       11R3326:0029605: [11r/aleph/19.8-[1154]]
09R401:M0041805 x 09R0122:0009504
                                              09R0122:0009504: [09r/bet/23.8-[26],09r/bet/25.8-[53]]
09R401:M0041807 x 09R0122:0009505
                                             09R0122:0009505: [09r/bet/23.8-[25],09r/bet/25.8-[55]]
09R401:M0042401 x 09R0122:0009509
                                             09R0122:0009509: [09r/bet/23.8-[27],09r/bet/25.8-[56]]
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