```
% this is ../../crops/18r/planning/current_pedigrees/primary dominants/les12- mo20w
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.740434) 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.
% Mo20W/Les12-
 06R0010:0000000 x 06R0010:0000000
      06R200:S00I5620 x 06R0010:0001001
           10R205:S0006102 x 10R1014:0030401
                                                        10R1014:0030401: [10r/gimmel/13.8-[287]]
                11N205:S0033402 x 11N3189:0016807
                11N205:S0034308 x 11N3189:0016809
                     12R205:S0002216 x 12R3629:0028403
                                                                   12R3629:0028403: [12r/aleph/9.8-[2066]]
                          16R205:S0000602 x 16R4007:0011605
                                                                        16R4007:0011605: [16r/gimmel/27.7-[171]]
                               17R205:S0001112 x 17R4543:0017914
                                                                             17R4543:0017914: [17r/bet/2.8-[452,453]]
                               17R205:S0001113 x 17R4543:0017914
                                                                             17R4543:0017914: [17r/bet/2.8-[452,453]]
                               17R205:S0001117 x 17R4543:0017901
                                                                             17R4543:0017901: [17r/bet/2.8-[456,457]]
                               17R205:S0001209 x 17R4543:0017901
                                                                             17R4543:0017901: [17r/bet/2.8-[456,457]]
                          16R205:S0000605 x 16R4007:0011605
                                                                        16R4007:0011605: [16r/gimmel/27.7-[171]]
                          16R205:S0000611 x 16R4007:0011605
                                                                        16R4007:0011605: [16r/gimmel/27.7-[171]]
                     12R405:M0009912 x 12R3629:0028406
                                                                   12R3629:0028406: [12r/aleph/9.8-[2072]]
                11N205:S0034309 x 11N3189:0016803
           10R205:S0010412 x 10R1014:0030408
                                                        10R1014:0030408: [10r/gimmel/13.8-[288]]
                                                        10R1014:0030410: [10r/gimmel/13.8-[289]]
           10R205:S0010416 x 10R1014:0030410
      06R300:W00I2801 x 06R0010:0001001
           10R305:W0003307 x 10R1571:0030511
                                                        10R1571:0030511: [10r/gimmel/13.8-[292]]
           10R305:W0005908 x 10R1571:0030511
                                                        10R1571:0030511: [10r/gimmel/13.8-[292]]
                11R305:W0043807 x 11R3223:0022910
                                                             11R3223:0022910: [11r/aleph/19.8-[1132]]
                11R305:W0043810 x 11R3223:0022907
                                                             11R3223:0022907: [11r/aleph/19.8-[1125]]
                11R305:W0049806 x 11R3223:0022902
                                                             11R3223:0022902: [11r/aleph/19.8-[1130]]
                11R305:W0050607 x 11R3223:0022907
                                                             11R3223:0022907: [11r/aleph/19.8-[1125]]
                11R305:W0050613 x 11R3223:0022910
                                                             11R3223:0022910: [11r/aleph/19.8-[1132]]
                     11N305:W0032003 x 11N3453:0016911
                          12R305:W0002912 x 12R3630:0028505
                                                                        12R3630:0028505: [12r/bet/6.8-[95],12r/bet/8.8-[192
]]
                                    13R4095:0008503 x 13R4095:0008502
                                                                                  13R4095:0008502: [13r/bet/1.8-[1776]]
                                    13R4095:0008505 x 13R4095:0008506
                                                                                  13R4095:0008505: [13r/bet/1.8-[1755]]
    13R4095:0008506: [13r/bet/1.8-[1774]]
                                    13R4095:0008507 x 13R4095:0008502
                                                                                  13R4095:0008502: [13r/bet/1.8-[1776]]
                                    14R4095:0013103 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R4095:0013106 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R4095:0013108 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R4095:0013111 x 14R4095:0013104
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R4095:0013113 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
```

14R4095:0013114 x 14R4095:0013111

14R4095:0013111: [14r/bet/20.8-[2228]]

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Fri Jun 01 16:28:50 2018
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11N405:M0036404 x 11N3288:0017001

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14R4095:0013115 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R4095:0013116 x 14R4095:0013111
                                    14R505:B0002004 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R505:B0002006 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R505:B0002008 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R505:B0002515 x 14R4095:0013111
                                    14R505:B0002516 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                                    14R505:B0002518 x 14R4095:0013111
                                                                                  14R4095:0013111: [14r/bet/20.8-[2228]]
                               12N305:W0038910 x 12N4008:0027205
                          12R305:W0002913 x 12R3630:0028507
                          12R3630:0028505 x 12R3630:0028505
                                                                        12R3630:0028505: [12r/bet/6.8-[95],12r/bet/8.8-[192
]] 12R3630:0028505: [12r/bet/6.8-[95],12r/bet/8.8-[192]]
                               12N305:W0037702 x 12N4009:0027307
                               12N305:W0037703 \times 12N4009:0027304
           10R305:W0011103 x 10R1571:0030502
                                                        10R1571:0030502: [10r/gimmel/13.8-[291]]
      06R300:W00I2812 x 06R0010:0001007
           10R205:S0010402 x 10R1572:0030705
                                                        10R1572:0030705: [10r/gimmel/13.8-[317,359,363]]
           10R205:S0010411 x 10R1572:0030706
                                                        10R1572:0030706: [10r/gimmel/13.8-[318,326,337]]
                                                        10R1572:0030705: [10r/gimmel/13.8-[317,359,363]]
           10R405:M0006303 x 10R1572:0030705
      06R400:M00I3002 x 06R0010:0001001
           06N201:S0010402 x 06N1617:0020801
           06N301:W0007808 x 06N1617:0020801
           06N401:M0006402 x 06N1617:0020801
                07R401:M0033110 \times 07R2528:0058614
                                                      111
                10R405:M0006002 x 10R2528:0030608
                                                             10R2528:0030608: [10r/gimmel/13.8-[305,306,307,426,433]]
                10R405:M0007206 x 10R2528:0030608
                                                             10R2528:0030608: [10r/qimmel/13.8-[305,306,307,426,433]]
                10R405:M0007207 x 10R2528:0030608
                                                             10R2528:0030608: [10r/gimmel/13.8-[305,306,307,426,433]]
                10R405:M0007803 x 10R2528:0030605
                                                             10R2528:0030605: [10r/qimmel/13.8-[293,294,295,296,299,364]]
                     11N405:M0032807 x 11N3288:0017001
                          12R405:M0008210 x 12R3631:0028608
                                                                        12R3631:0028608: [12r/aleph/9.8-[2052]]
                               13R405:M0032901 x 13R4010:0025802
                                    14R4264:0013206 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R4264:0013207 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R4264:0013208 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R4264:0013211 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R4264:0013214 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R505:B0002019 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R505:B0002505 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R505:B0002506 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                                    14R505:B0002507 x 14R4264:0013209
                                                                                  14R4264:0013209: [14r/bet/20.8-[2220]]
                          12R405:M0009913 x 12R3631:0028611
                                                                        12R3631:0028611: [12r/aleph/9.8-[2062]]
                          12R405:M0010209 x 12R3631:0028605
                                                                        12R3631:0028605: [12r/aleph/9.8-[2046]]
                     11N405:M0032810 x 11N3288:0017002
```