```
% this is ../../crops/18r/planning/current pedigrees/primary dominants/les17- mo20w
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.752415) 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/Les17-
06R0013:0000000 x 06R0013:0000000
      06R0013:0001301 x 06R0013:0001305
      06R0013:0001304 x 06R0013:0001302
           06N1247:0001906 x 06N1247:0001903
           06N201:S0008010 x 06N1247:0001901
                07R201:S0006419 x 07R2567:0063216
                07R301:W0008001 x 07R2567:0063216
                07R401:M0006302 x 07R2567:0063216
           06N201:S0009503 x 06N1247:0001901
           06N201:S0013209 x 06N1247:0001907
                07R201:S0034607 x 07R2562:0063311
                                                      !!!
                07R401:M0033907 x 07R2562:0063311
                                                      111
           06N301:W0006306 x 06N1247:0001903
           06N301:W0010810 x 06N1247:0001907
           06N301:W0010812 x 06N1247:0001901
           06N401:M0011908 \times 06N1247:0001901
           06N401:M0012005 x 06N1247:0001907
      06R0013:0001306 x 06R0013:0001309
           06N201:S0008002 x 06N1036:0001807
                07R201:S0027607 x 07R2577:0063604
                                                      111
                07R201:S0031012 x 07R2577:0063603
                     10R205:S0003103 x 10R1540:0032206
                                                                  10R1540:0032206: [10r/gimmel/14.8-[33]]
                     10R205:S0007009 x 10R1540:0032202
                                                                   10R1540:0032202: [10r/gimmel/14.8-[30]]
                          11R205:S0051609 x 11R3222:0024713
                                                                        11R3222:0024713: [11r/aleph/19.8-[1135]]
                               12R205:S0001903 x 12R3457:0029604
                                                                             12R3457:0029604: [12r/aleph/9.8-[2070]]
                               12R205:S0001910 x 12R3457:0029611
                                    12N205:S0035808 x 12N4021:0029112
                                                                                  12N4021:0029112: [12n/bet/11.1-[7040]]
                                         13R4098:0009004 x 13R4098:0009002
                                         13R4098:0009007 x 13R4098:0009017
                                         13R4098:0009008 x 13R4098:0009002
                                         13R4098:0009009 x 13R4098:0009017
                                         13R4098:0009010 x 13R4098:0009002
                                         13R4098:0009012 x 13R4098:0009017
                                         13R4098:0009015 x 13R4098:0009017
                                         13R504:B0003304 x 13R4098:0009002
                                         13R504:B0003311 x 13R4098:0009017
                                         13R504:B0003315 x 13R4098:0009002
                                         14R4098:0013808 x 14R4098:0013801
                                                                                       14R4098:0013801: [14r/bet/22.8-[2272
```

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les17- mo20w
                   Fri Jun 01 16:28:50 2018
                                        14R4098:0013812 x 14R4098:0013801
                                                                                     14R4098:0013801: [14r/bet/22.8-[2272
]]
                                        14R4098:0013813 x 14R4098:0013801
                                                                                     14R4098:0013801: [14r/bet/22.8-[2272
11
                                        14R4098:0013815 x 14R4098:0013801
                                                                                     14R4098:0013801: [14r/bet/22.8-[2272
]]
                                        14R4098:0013817 x 14R4098:0013801
                                                                                     14R4098:0013801: [14r/bet/22.8-[2272
]]
                                         14R4098:0013818 x 14R4098:0013801
                                                                                     14R4098:0013801: [14r/bet/22.8-[2272
]]
                                   12N205:S0037607 x 12N4021:0029112
                                                                                12N4021:0029112: [12n/bet/11.1-[7040]]
                                   12N205:S0037608 x 12N4021:0029112
                                                                                12N4021:0029112: [12n/bet/11.1-[7040]]
                07R201:S0032413 x 07R2577:0063604
           06N201:S0013307 x 06N1036:0001806
                07R201:S0022803 x 07R2580:0063506
                                                    !!!
           06N201:S0014101 x 06N1036:0001804
                07R201:S0032408 x 07R2582:0063414
           06N301:W0010808 x 06N1036:0001804
           06N301:W0010809 x 06N1036:0001806
           06N301:W0011406 x 06N1036:0001807
                09R301:W0040409 x 09R2578:0026102
                                                            09R2578:0026102: [09r/bet/12.9-[430]]
                     10R305:W0010506 x 10R2256:0032301
                                                                  10R2256:0032301: [10r/gimmel/14.8-[35]]
                          11N305:W0031403 x 11N3273:0018408
                               12R305:W0000808 x 12R3639:0029706
                                                                           12R3639:0029706: [12r/aleph/9.8-[2119]]
                                   12N305:W0038903 x 12N4022:0029201
                                         13R4099:0009102 x 13R4099:0009112
                                         13R4099:0009105 x 13R4099:0009112
                                        13R4099:0009107 x 13R4099:0009108
                                                                                     13R4099:0009107: [13r/bet/6.8-[1799]
        13R4099:0009108: [13r/bet/15.7-[1116,1117],13r/bet/6.8-[1796,1797]]
                                        13R4099:0009108 x 13R4099:0009108
                                                                                     13R4099:0009108: [13r/bet/15.7-[1116
,1117],13r/bet/6.8-[1796,1797]] 13R4099:0009108: [13r/bet/15.7-[1116,1117],13r/bet/6.8-[1796,1797]]
                                         13R4099:0009112 x 13R4099:0009112
                                         13R504:B0003316 x 13R4099:0009108
                                                                                     13R4099:0009108: [13r/bet/15.7-[1116
,1117],13r/bet/6.8-[1796,1797]]
                                        14R4099:0013901 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264
]]
                                        14R4099:0013902 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264]
]]
                                        14R4099:0013903 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264
11
                                        14R4099:0013906 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264
]]
                                        14R4099:0013908 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264]
]]
                                        14R4099:0013909 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264
11
                                        14R4099:0013910 x 14R4099:0013914
                                                                                     14R4099:0013914: [14r/bet/22.8-[2264
```

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les17- mo20w
                   Fri Jun 01 16:28:50 2018
                                                   3
11
                                         14R4099:0013912 x 14R4099:0013914
                                                                            14R4099:0013914: [14r/bet/22.8-[2264
]]
                                    12N305:W0038905 \times 12N4022:0029203
                                    12N305:W0038907 x 12N4022:0029211
                               12R305:W0000813 x 12R3639:0029704
                                                                            12R3639:0029704: [12r/aleph/9.8-[2087]]
                               12R305:W0001101 x 12R3639:0029701
                                                                            12R3639:0029701: [12r/aleph/9.8-[2122]]
                          11N305:W0037101 x 11N3273:0018404
                     10R305:W0010703 x 10R2256:0032306
                                                                  10R2256:0032306: [10r/gimmel/14.8-[37]]
                     10R305:W0010705 x 10R2256:0032306
                                                                  10R2256:0032306: [10r/gimmel/14.8-[37]]
                     10R305:W0010710 x 10R2256:0032306
                                                                  10R2256:0032306: [10r/gimmel/14.8-[37]]
                                                                  10R2256:0032301: [10r/gimmel/14.8-[35]]
                     10R405:M0001005 x 10R2256:0032301
                09R301:W0040411 x 09R2578:0026106
           06N401:M0011907 x 06N1036:0001807
           07R201:S0034010 x 07R1036:0113001
                                                 !!!
           07R201:S0119707 x 07R1036:0113001
      06R0013:0001315 x 06R0013:0001312
           06N201:S0014208 x 06N1246:0001703
           06N301:W0006003 x 06N1246:0001703
           06N301:W0010805 x 06N1246:0001703
           06N401:M0011702 x 06N1246:0001703
      06R300:W00I3506 x 06R0013:0001305
      06R400:M00I1815 x 06R0013:0001309
           06N201:S0010407 x 06N1620:0020903
           06N201:S0010411 x 06N1620:0020905
           06N301:W0009005 x 06N1620:0020903
           06N301:W0027201 x 06N1620:0020905
           06N401:M0006701 x 06N1620:0020903
           06N401:M0009707 x 06N1620:0020905
                07R401:M0029409 x 07R2573:0063906
                     11R405:M0051001 x 11R2064:0024906
                                                                  11R2064:0024906: [11r/aleph/19.8-[1177]]
                          11N405:M0031203 x 11N3458:0018509
                     11R405:M0051003 x 11R2064:0024908
                          13R405:M0032902 x 13R4168:0027001
                               14R405:M0001808 x 14R4296:0024014
                                                                            14R4296:0024014: [14r/bet/23.8-[2404]]
```

14R4296:0024014: [14r/bet/23.8-[2404]]

14R4296:0024014: [14r/bet/23.8-[2404]]

14R405:M0001809 x 14R4296:0024014

14R405:M0001812 x 14R4296:0024014

07R401:M0030003 x 07R2573:0063907