```
% this is ../../crops/18r/planning/current pedigrees/primary dominants/les13- mo20w
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.748084) 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/Les13-
06R0011:0000000 x 06R0011:0000000
      06R0011:0001104 x 06R0011:0001101
          06N201:S0010101 x 06N1029:0001303
           06N301:W0005111 x 06N1029:0001310
      06R0011:0001107 x 06R0011:0001109
          06N1032:0001407 \times 06N1032:0001409
           06N201:S0007109 x 06N1032:0001403
                07R201:S0030112 x 07R2540:0061003
                07R201:S0033714 x 07R2540:0061006
                                                             07R2540:0061006: [07r/bet/12.8-[372,373]]
           06N201:S0007110 x 06N1032:0001409
                07R201:S0032402 x 07R2534:0061204
                                                             07R2534:0061204: [07r/bet/12.8-[358,359,360]]
           06N201:S0010110 x 06N1032:0001412
           06N201:S0014109 x 06N1032:0001406
                07R201:S0031002 x 07R2537:0061101
                                                             07R2537:0061101: [07r/bet/12.8-[361,362,363,364,365]]
                     09R201:S0043610 x 09R1539:0023603
                                                                  09R1539:0023603: [09r/bet/12.9-[425]]
                    10R205:S0010003 x 10R1539:0031207
                                                                  10R1539:0031207: [10r/gimmel/14.8-[438]]
                     10R205:S0010006 x 10R1539:0031202
                                                                  10R1539:0031202: [10r/qimmel/14.8-[434]]
                          11N205:S0033106 x 11N3221:0017405
                                                                            12R3634:0029002: [12r/aleph/9.8-[2064]]
                               12R205:S0004008 x 12R3634:0029002
                                    12N205:S0037905 x 12N4017:0028311
                                    12N205:S0041303 x 12N4017:0028305
                                         13R4096:0008801 x 13R4096:0008802
                                                                                      13R4096:0008802: [13r/bet/6.8-[1810]
     (P) 131 (D)
                                         13R4096:0008806 x 13R4096:0008805
                                         13R4096:0008809 x 13R4096:0008805
                                    12N205:S0041605 x 12N4017:0028305
                                    12N305:W0041407 x 12N4017:0028305
                                    12N305:W0041709 x 12N4017:0028305
                          11N205:S0035406 x 11N3221:0017411
                          11N205:S0035407 x 11N3221:0017409
                          11N205:S0035408 x 11N3221:0017405
                          11N205:S0038204 x 11N3221:0017409
                          11N305:W0040103 x 11N3221:0017411
                          11N305:W0040105 x 11N3221:0017405
                               14R305:W0000904 x 14R4294:0023515
                                                                            14R4294:0023515: [14r/bet/23.8-[2370]]
                                    15R305:W0000706 x 15R4402:0015102
                                                                                 15R4402:0015102: [15r/bet/15.8-[2757]]
                                    15R305:W0000905 x 15R4402:0015102
                                                                                 15R4402:0015102: [15r/bet/15.8-[2757]]
                                    15R305:W0003003 x 15R4402:0015101
                                                                                 15R4402:0015101: [15r/bet/15.8-[2746]]
                                         16R305:W0001502 x 16R4514:0011806
                                                                                      16R4514:0011806: [16r/gimmel/27.7-[1
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les13- mo20w
                   Fri Jun 01 16:28:50 2018
8111
                                               17R305:W0001902 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
424]]
                                              17R305:W0001904 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
424]]
                                              17R305:W0001905 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
42411
                                              17R305:W0003907 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
424]]
                                              17R305:W0003912 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
424]]
                                              17R305:W0003913 x 17R4546:0018205
                                                                                            17R4546:0018205: [17r/bet/2.8-[
42511
                                               17R405:M0002110 x 17R4546:0018205
                                                                                            17R4546:0018205: [17r/bet/2.8-[
425]]
                                              17R405:M0002206 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
424]]
                                              17R405:M0002207 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
42411
                                               17R405:M0002505 x 17R4546:0018201
                                                                                            17R4546:0018201: [17r/bet/2.8-[
424]]
                                         16R305:W0001507 x 16R4514:0011806
                                                                                       16R4514:0011806: [16r/gimmel/27.7-[1
81]]
                                         16R305:W0001616 x 16R4514:0011809
                                                                                       16R4514:0011809: [16r/gimmel/27.7-[1
7911
                                                                                       16R4514:0011809: [16r/gimmel/27.7-[1
                                         16R305:W0001617 x 16R4514:0011809
79]]
                                    15R305:W0003004 x 15R4402:0015102
                                                                                  15R4402:0015102: [15r/bet/15.8-[2757]]
                                    15R305:W0003005 x 15R4402:0015101
                                                                                  15R4402:0015101: [15r/bet/15.8-[2746]]
                                    15R305:W0003007 x 15R4402:0015101
                                                                                  15R4402:0015101: [15r/bet/15.8-[2746]]
                               14R305:W0000909 x 14R4294:0023515
                                                                             14R4294:0023515: [14r/bet/23.8-[2370]]
                               14R305:W0000910 x 14R4294:0023508
                                                                             14R4294:0023508: [14r/bet/23.8-[2361]]
                               14R305:W0000913 x 14R4294:0023508
                                                                             14R4294:0023508: [14r/bet/23.8-[2361]]
                               14R305:W0003708 x 14R4294:0023518
                                                                             14R4294:0023518: [14r/bet/24.8-[2428]]
                               14R305:W0003714 x 14R4294:0023518
                                                                             14R4294:0023518: [14r/bet/24.8-[2428]]
                               14R305:W0003717 x 14R4294:0023518
                                                                             14R4294:0023518: [14r/bet/24.8-[2428]]
                          11N305:W0040107 x 11N3221:0017409
                     10R205:S0010417 x 10R1539:0031206
                                                                   10R1539:0031206: [10r/gimmel/14.8-[437]]
                07R401:M0033410 x 07R2537:0061104
                                                      !!!
           06N301:W0006001 x 06N1032:0001412
                11N305:W0031706 x 11N2532:0017513
                11N305:W0031711 x 11N2532:0017513
           06N301:W0007501 x 06N1032:0001409
           06N301:W0008702 x 06N1032:0001403
           06N301:W0009003 x 06N1032:0001406
           06N401:M0009701 x 06N1032:0001403
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06N401:M0009704 x 06N1032:0001406

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06N401:M0010603 x 06N1032:0001409
          10R405:M0001609 x 10R2536:0038715
                                                       10R2536:0038715: [10r/gimmel/7.8-[595,597]]
               11N405:M0031304 x 11N3289:0017601
                    12N405:M0042101 x 12N3636:0028708
                    12N405:M0042501 x 12N3636:0028706
                         14R405:M0001412 x 14R4166:0023701
                                                                       14R4166:0023701: [14r/bet/23.8-[2412]]
                         14R405:M0001415 x 14R4166:0023701
                                                                       14R4166:0023701: [14r/bet/23.8-[2412]]
                         14R405:M0001606 x 14R4166:0023709
                                                                       14R4166:0023709: [14r/bet/24.8-[2439]]
                         14R405:M0001608 x 14R4166:0023709
                                                                       14R4166:0023709: [14r/bet/24.8-[2439]]
                         14R405:M0001609 x 14R4166:0023709
                                                                       14R4166:0023709: [14r/bet/24.8-[2439]]
                         14R405:M0001803 x 14R4166:0023701
                                                                       14R4166:0023701: [14r/bet/23.8-[2412]]
                         14R405:M0001804 x 14R4166:0023701
                                                                       14R4166:0023701: [14r/bet/23.8-[2412]]
                        14R405:M0001807 x 14R4166:0023701
                                                                       14R4166:0023701: [14r/bet/23.8-[2412]]
                    12N405:M0042506 x 12N3636:0028702
               11N405:M0035203 x 11N3289:0017609
          10R405:M0001610 x 10R2536:0038713
                                                       10R2536:0038713: [10r/gimmel/6.8-[591,592]]
                                                       10R2536:0038711: [10r/qimmel/6.8-[589,590]]
          10R405:M0007811 x 10R2536:0038711
06R0011:0001108 x 06R0011:0001103
06R0011:0001114 x 06R0011:0001110
06R200:S00I1611 x 06R0011:0001113
     06N201:S0013306 x 06N1269:0003910
          07R201:S0032414 x 07R2543:0061412
                                                111
          07R301:W0020910 x 07R2543:0061412
                                                !!!
     06N301:W0008707 \times 06N1269:0003908
     06N301:W0008708 x 06N1269:0003910
     06N301:W0032301 x 06N1269:0003910
     06N401:M0012901 x 06N1269:0003910
```