```
% this is ../../crops/18r/planning/current pedigrees/primary dominants/les9- w23
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.863273) 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.
% W23/Les9-
06R0025:0000000 x 06R0025:0000000
      06R0025:0002503 x 06R0025:0002512
           06N301:W0006608 x 06N1351:0015201
           06N301:W0006901 x 06N1351:0015209
                07R301:W0027513 x 07R2821:0056003
                07R401:M0004001 \times 07R2821:0056009
                                                       111
                                                              07R2821:0056009: [07r/gimmel/11.8-[281,282]]
                07R401:M0026513 x 07R2821:0056003
           06N301:W0009601 x 06N1351:0015210
           06N301:W0009901 x 06N1351:0015210
      06R0025:0002507 x 06R0025:0002510
           06N301:W0004205 x 06N1352:0015305
           06N301:W0006903 x 06N1352:0015301
           06N301:W0009001 x 06N1352:0015302
      06R300:W00I6009 x 06R0025:0002506
           06N301:W0006902 x 06N1317:0017005
           06N301:W0007203 x 06N1317:0017007
           06N301:W0024807 x 06N1317:0017001
                07R401:M0022003 x 07R2815:0055309
                                                      !!!
                                                              07R2815:0055309: [07r/gimmel/11.8-[274,275,276]]
           06N301:W0032905 x 06N1317:0017006
           06N301:W0033202 x 06N1317:0017007
                09R301:W0043701 x 09R2811:0022401
                                                              09R2811:0022401: [09r/bet/12.9-[392]]
                     10R305:W0001512 x 10R2247:0029108
                                                                   10R2247:0029108: [10r/gimmel/12.8-[251]]
                     10R305:W0003613 x 10R2247:0029103
                                                                   10R2247:0029103: [10r/gimmel/12.8-[248]]
                     10R305:W0005411 x 10R2247:0029107
                                                                   10R2247:0029107: [10r/gimmel/12.8-[250]]
                          11N305:W0031103 x 11N3266:0015709
                               12R305:W0002901 x 12R3620:0027307.
                                    14R3995:0012706 x 14R3995:0012708
                                                                                  14R3995:0012708: [14r/bet/20.8-[2218]]
                                    14R3995:0012707 x 14R3995:0012708
                                                                                  14R3995:0012708: [14r/bet/20.8-[2218]]
                                    14R3995:0012712 x 14R3995:0012708
                                                                                  14R3995:0012708: [14r/bet/20.8-[2218]]
                                    14R505:B0002005 x 14R3995:0012708
                                                                                  14R3995:0012708: [14r/bet/20.8-[2218]]
                               12R305:W0002902 x 12R3620:0027311
                                                                             12R3620:0027311: [12r/bet/6.8-[91],12r/bet/8.8
-[187]]
                               12R305:W0003212 x 12R3620:0027313
                          11N305:W0035602 x 11N3266:0015703
                          11N305:W0035603 x 11N3266:0015705
                09R301:W0047302 x 09R2811:0022406
                09R301:W0047304 x 09R2811:0022409
                                                              09R2811:0022409: [09r/bet/12.9-[388]]
                09R301:W0047903 x 09R2811:0022414
                                                              09R2811:0022414: [09r/bet/12.9-[389]]
                09R301:W0048203 x 09R2811:0022411
                                                              09R2811:0022411: [09r/bet/12.9-[387]]
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09R201:S0042009 x 09R1317:0022302
                                                       09R1317:0022302: [09r/bet/12.9-[385]]
          09R201:S0042010 x 09R1317:0022305
                                                       09R1317:0022305: [09r/bet/12.9-[384]]
               11N205:S0033004 x 11N3204:0015610
               11N205:S0033009 x 11N3204:0015605
                    12N205:S0035809 x 12N3994:0025205
                         14R205:S0000201 x 14R4159:0021804
                         14R205:S0000202 x 14R4159:0021804
                                                                       14R4159:0021808: [14r/bet/24.8-[2430]]
                         14R205:S0000401 x 14R4159:0021808
                              15R205:S0000102 x 15R4391:0012704
                                                                           15R4391:0012704: [15r/bet/15.8-[2751]]
                              15R205:S0000107 x 15R4391:0012707
                                                                           15R4391:0012707: [15r/bet/15.8-[2748]]
                              15R205:S0000401 x 15R4391:0012707
                                                                           15R4391:0012707: [15r/bet/15.8-[2748]]
                              15R205:S0000409 x 15R4391:0012711
                                                                           15R4391:0012711: [15r/bet/15.8-[2743]]
                             15R205:S0000410 x 15R4391:0012711
                                                                           15R4391:0012711: [15r/bet/15.8-[2743]]
                         14R205:S0000402 x 14R4159:0021808
                                                                       14R4159:0021808: [14r/bet/24.8-[2430]]
                         14R205:S0000413 x 14R4159:0021806
                                                                      14R4159:0021806: [14r/bet/23.8-[2322]]
                         14R205:S0000417 x 14R4159:0021806
                                                                      14R4159:0021806: [14r/bet/23.8-[2322]]
               11N205:S0034301 x 11N3204:0015611
          10R405:M0006001 x 10R1317:0029304
                                                       10R1317:0029304: [10r/gimmel/12.8-[297]]
          10R405:M0006007 x 10R1317:0029301
                                                       10R1317:0029301: [10r/gimmel/12.8-[256]]
          10R405:M0007806 x 10R1317:0029307
                                                       10R1317:0029307: [10r/qimmel/12.8-[258,259]]
               11R405:M0050302 x 11R3205:0021707
                                                            11R3205:0021707: [11r/aleph/19.8-[1100]]
                    11N405:M0036002 x 11N3448:0015805
                    11N405:M0036405 x 11N3448:0015810
                    13R405:M0003601 \times 13R3448:0024704
                         14R405:M0001308 x 14R4286:0021905
                                                                       14R4286:0021905: [14r/bet/23.8-[2309]]
                              16R405:M0002201 x 16R4392:0010801
                                                                           16R4392:0010801: [16r/gimmel/27.7-[142]]
(P) 3, bulk
                              16R405:M0002203 x 16R4392:0010801
                                                                           16R4392:0010801: [16r/gimmel/27.7-[142]]
                              16R405:M0002210 x 16R4392:0010801
                                                                           16R4392:0010801: [16r/gimmel/27.7-[142]]
                                   17R405:M0002102 x 17R4578:0017401
                                                                                 17R4578:0017401: [17r/bet/2.8-[405]]
                                   17R405:M0002103 x 17R4578:0017401
                                                                                17R4578:0017401: [17r/bet/2.8-[405]]
                                   17R405:M0002306 x 17R4578:0017406
                                                                                17R4578:0017406: [17r/bet/2.8-[404]]
                                   17R405:M0002307 x 17R4578:0017406
                                                                                17R4578:0017406: [17r/bet/2.8-[404]]
                                   17R405:M0002309 x 17R4578:0017406
                                                                                17R4578:0017406: [17r/bet/2.8-[404]]
                                  17R405:M0002406 x 17R4578:0017401
                                                                                17R4578:0017401: [17r/bet/2.8-[405]]
                         14R405:M0001411 x 14R4286:0021905
                                                                      14R4286:0021905: [14r/bet/23.8-[2309]]
                         14R405:M0001702 x 14R4286:0021911
                                                                       14R4286:0021911: [14r/bet/23.8-[2323]]
                         14R405:M0001703 x 14R4286:0021909
                                                                      14R4286:0021909: [14r/bet/23.8-[2313]]
                         14R405:M0001710 x 14R4286:0021909
                                                                      14R4286:0021909: [14r/bet/23.8-[2313]]
                         14R405:M0001801 x 14R4286:0021911
                                                                      14R4286:0021911: [14r/bet/23.8-[2323]]
                    13R405:M0033001 x 13R3448:0024702
               11R405:M0050305 x 11R3205:0021709
                                                            11R3205:0021709: [11r/aleph/19.8-[1099]]
               11R405:M0050310 x 11R3205:0021711
                                                            11R3205:0021711: [11r/aleph/19.8-[1101]]
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