% this is ../../crops/18r/planning/current_pedigrees/primary_recessives/les23-_w23
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.918251) 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/les23-

 06R0035:0000000 x 06R0035:0000000
        06R0035:0003501 x 06R0035:0003503
        06R0035:0003502 x 06R0035:0003507
            07R1367:0077201 x 07R1367:0077201
        06R0035:0003505 x 06R0035:0003510
        06R0035:0003513 x 06R0035:0003514
            09R201:S0033105 x 09R1368:0007709
            09R201:S0033106 x 09R1368:0007703
                10R1008:0011702 x 10R1008:0011702
                10R1008:0011707 x 10R1008:0011707
                10R1008:0011709 x 10R1008:0011709
                    12R205:S0011209 x 12R3156:0042105   12R3156:0042105: [12r/aleph/9.8-[2231]]
                        12N3895:0005406 x 12N3895:0005406
                            14R205:S0000308 x 14R4126:0017703   14R4126:0017703: [14r/bet/24.8-[2425]]
                            14R205:S0000311 x 14R4126:0017703   14R4126:0017703: [14r/bet/24.8-[2425]]
                            14R205:S0000614 x 14R4126:0017701   14R4126:0017701: [14r/bet/22.8-[2252]]
                                15R4342:0007002 x 15R4342:0007002
                                    16R205:S0001110 x 16R4472:0004806   16R4472:0004806: [16r/gimmel/26.7-[1
02]]
                                    16R205:S0001309 x 16R4472:0004811   16R4472:0004811: [16r/gimmel/26.7-[1
06]]
                                        17R4616:0012904 x 17R4616:0012904
                                        17R4616:0012907 x 17R4616:0012907
                                    16R205:S0001311 x 16R4472:0004811   16R4472:0004811: [16r/gimmel/26.7-[1
06]]
                                15R4342:0007008 x 15R4342:0007008
                                15R4342:0007009 x 15R4342:0007009
                            14R205:S0000615 x 14R4126:0017701   14R4126:0017701: [14r/bet/22.8-[2252]]
                            14R205:S0000616 x 14R4126:0017701   14R4126:0017701: [14r/bet/22.8-[2252]]
                        12N3895:0005409 x 12N3895:0005409
                        12N3895:0005412 x 12N3895:0005412
            09R301:W0033202 x 09R1368:0007709
            09R301:W0033208 x 09R1368:0007703
                10R1009:0011802 x 10R1009:0011802
                10R1009:0011807 x 10R1009:0011807
                    11R305:W0052113 x 11R3158:0037912   11R3158:0037912: [11r/aleph/19.8-[1182]]
                        11N3516:0030204 x 11N3516:0030204
                            12R305:W0011311 x 12R3728:0042212   12R3728:0042212: [12r/aleph/9.8-[2212]]
                                13R3896:0015201 x 13R3896:0015201

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                         13R3896:0015202 x 13R3896:0015202
                            14R305:W0000914 x 14R4243:0018003         14R4243:0018003: [14r/bet/22.8-[2253
]]
                            14R305:W0003102 x 14R4243:0018003         14R4243:0018003: [14r/bet/22.8-[2253
]]
                            14R305:W0003118 x 14R4243:0018003         14R4243:0018003: [14r/bet/22.8-[2253
]]
                         15R4343:0007101 x 15R4343:0007101
                             16R305:W0001506 x 16R4473:0004904          16R4473:0004904: [16r/gimm
el/26.7-[112]]
                             16R305:W0001509 x 16R4473:0004904          16R4473:0004904: [16r/gimm
el/26.7-[112]]
                             16R305:W0001511 x 16R4473:0004903          16R4473:0004903: [16r/gimm
el/30.7-[264]]
                                17R4620:0013002 x 17R4620:0013002
                                17R4620:0013003 x 17R4620:0013003
                                17R4620:0013009 x 17R4620:0013009
                             16R305:W0002813 x 16R4473:0004912          16R4473:0004912: [16r/gimm
el/26.7-[111]]
                             16R305:W0002814 x 16R4473:0004912          16R4473:0004912: [16r/gimm
el/26.7-[111]]
                         15R4343:0007102 x 15R4343:0007102
                         15R4343:0007104 x 15R4343:0007104
                         15R4343:0007105 x 15R4343:0007105
                     13R3896:0015205 x 13R3896:0015205
                     13R3896:0015208 x 13R3896:0015208
                     13R3896:0015210 x 13R3896:0015210
        09R301:W0035914 x 09R1368:0007706
        09R401:M0033011 x 09R1368:0007703
        09R401:M0033013 x 09R1368:0007709
          11R3217:0007703 x 11R3217:0007703
            12R405:M0011709 x 12R3508:0042309         12R3508:0042309: [12r/aleph/9.8-[214]]
          11R3217:0007704 x 11R3217:0007704
            12N405:M0036603 x 12N3509:0004302         12N3509:0004302: [12n/bet/7.1-[425,426]]
                 13R4070:0015304 x 13R4070:0015304
                 13R4070:0015306 x 13R4070:0015306
                 13R4070:0015307 x 13R4070:0015307
                 13R4070:0015308 x 13R4070:0015308
                    14R405:M0001310 x 14R4245:0018210
                    15R4372:0007201 x 15R4372:0007201
                        16R405:M0002001 x 16R4474:0005009          16R4474:0005009: [16r/gimmel/26.7-[9
5]]
                        16R405:M0002002 x 16R4474:0005009          16R4474:0005009: [16r/gimmel/26.7-[9
5]]
                        16R405:M0003103 x 16R4474:0005001          16R4474:0005001: [16r/gimmel/26.7-[9
4]]
                           17R4624:0013102 x 17R4624:0013102
```

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                                     17R4624:0013104 x 17R4624:0013104
                                     17R4624:0013106 x 17R4624:0013106
                                17R405:M0002216 x 17R4474:0016104          17R4474:0016104: [17r/gimmel/2.8-[38
6]]
                                17R405:M0002303 x 17R4474:0016104          17R4474:0016104: [17r/gimmel/2.8-[38
6]]
                                17R405:M0002314 x 17R4474:0016104          17R4474:0016104: [17r/gimmel/2.8-[38
6]]
                                17R405:M0002404 x 17R4474:0016101          17R4474:0016101: [17r/gimmel/2.8-[38
2]]
                                17R405:M0002413 x 17R4474:0016101          17R4474:0016101: [17r/gimmel/2.8-[38
2]]
                                17R405:M0002512 x 17R4474:0016101          17R4474:0016101: [17r/gimmel/2.8-[38
2]]
                              15R4372:0007203 x 15R4372:0007203
                              15R4372:0007204 x 15R4372:0007204
                         14R405:M0001311 x 14R4245:0018210
                         14R405:M0001502 x 14R4245:0018208          14R4245:0018208: [14r/bet/22.8-[2296]]
                         14R405:M0001503 x 14R4245:0018208          14R4245:0018208: [14r/bet/22.8-[2296]]
                    12N405:M0037210 x 12N3509:0004302          12N3509:0004302: [12n/bet/7.1-[425,426]]
                    12N405:M0037807 x 12N3509:0004409          12N3509:0004409: [12n/bet/7.1-[429,430]]
                    12N405:M0042602 x 12N3509:0004409          12N3509:0004409: [12n/bet/7.1-[429,430]]
                    12N405:M0042604 x 12N3509:0004409          12N3509:0004409: [12n/bet/7.1-[429,430]]
                 11R3217:0007707 x 11R3217:0007707
              09R401:M0036901 x 09R1368:0007701
         06R200:S00I1604 x 06R0035:0003509
         06R200:S0I10206 x 06R0035:0003506
         06R300:W00I1703 x 06R0035:0003509
         06R300:W00I8908 x 06R0035:0003501
         06R300:W00I9106 x 06R0035:0003503
         06R300:W00I9109 x 06R0035:0003506
         06R400:M00I1801 x 06R0035:0003509
            07R1729:0077314 x 07R1729:0077314
         06R400:M00I8514 x 06R0035:0003501
         06R400:M00I8802 x 06R0035:0003503
         06R400:M00I8806 x 06R0035:0003506
```