```
% this is ../../crops/18r/planning/current pedigrees/primary dominants/les8- w23
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.848748) 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/Les8-
06R0024:0000000 x 06R0024:0000000
      06R200:S00I7914 x 06R0024:0002402
     06R200:S00I8604 x 06R0024:0002405
      06R300:W00I3808 x 06R0024:0002404
           06N301:W0005711 x 06N1407:0016702
           06N301:W0027202 x 06N1407:0016701
                07R201:S0029812 x 07R2807:0054001
                                                             07R2807:0054001: [07r/gimmel/11.8-[145,146,147]]
                07R301:W0031411 x 07R2807:0054003
                                                      111
                                                             07R2807:0054001: [07r/gimmel/11.8-[145,146,147]]
                07R301:W0034103 x 07R2807:0054001
                07R401:M0026401 x 07R2807:0054001
                                                             07R2807:0054001: [07r/gimmel/11.8-[145,146,147]]
                07R401:M0031608 x 07R2807:0054003
                                                      111
           06N301:W0027802 x 06N1407:0016703
                07R201:S0033713 x 07R2805:0054201
                                                             07R2805:0054201: [07r/gimmel/11.8-[148,149,150]]
                                                      !!!
                07R301:W0031709 x 07R2805:0054201
                                                      111
                                                             07R2805:0054201: [07r/gimmel/11.8-[148,149,150]]
                07R401:M0029703 x 07R2805:0054205
                                                      !!!
                                                             07R2805:0054205: [07r/gimmel/11.8-[151,152,153]]
                07R401:M0032204 x 07R2805:0054201
                                                             07R2805:0054201: [07r/gimmel/11.8-[148,149,150]]
                                                      111
           06N301:W0027809 x 06N1407:0016704
           06N301:W0027810 x 06N1407:0016706
      06R300:W00I8202 x 06R0024:0002402
           06N301:W0024804 x 06N1315:0016901
           07R201:S0033012 x 07R1315:0053906
                                                 !!!
                                                        07R1315:0053906: [07r/qimmel/11.8-[142,143,144]]
           07R301:W0033208 x 07R1315:0053906
                                                 !!!
                                                        07R1315:0053906: [07r/qimmel/11.8-[142,143,144]]
           07R301:W0034102 x 07R1315:0053901
           07R401:M0005707 x 07R1315:0053903
                                                 111
                                                        07R1315:0053903: [07r/gimmel/11.8-[139,140,141]]
           07R401:M0031308 x 07R1315:0053906
                                                 111
                                                        07R1315:0053906: [07r/qimmel/11.8-[142,143,144]]
      06R300:W00I8217 x 06R0024:0002405
           06N301:W0024802 x 06N1328:0016809
           06N301:W0028401 x 06N1328:0016804
           06N301:W0028702 x 06N1328:0016806
                09R301:W0044002 x 09R2809:0021903
                                                             09R2809:0021903: [09r/bet/8.9-[335]]
                     10R305:W0004508 x 10R1313:0028603
                                                                  10R1313:0028603: [10r/gimmel/12.8-[233]]
                          11N205:S0034302 x 11N3203:0014909
                          11N205:S0035503 x 11N3203:0014901
                          11N305:W0033805 x 11N3203:0014909
                          11N305:W0033807 x 11N3203:0014901
                               12N305:W0039207 x 12N3614:0024110
                                    13R4092:0007803 x 13R4092:0007803
                                    13R4092:0007804 x 13R4092:0007804
                                                                                 13R4092:0007804: [13r/bet/1.8-[1757]]
   13R4092:0007804: [13r/bet/1.8-[1757]]
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les8- w23
                Fri Jun 01 16:28:50 2018
                                    14R4092:0012205 x 14R4092:0012205
                                                                                  14R4092:0012205: [14r/bet/24.8-[2422]]
    14R4092:0012205: [14r/bet/24.8-[2422]]
                                    14R4092:0012209 x 14R4092:0012205
                                                                                  14R4092:0012205: [14r/bet/24.8-[2422]]
                                    14R4092:0012212 x 14R4092:0012205
                                                                                  14R4092:0012205: [14r/bet/24.8-[2422]]
                                    14R505:B0002509 x 14R4092:0012205
                                                                                  14R4092:0012205: [14r/bet/24.8-[2422]]
                                                                                  17R4092:0008802: [17r/gimmel/2.8-[329]]
                                    17R4092:0008801 x 17R4092:0008802
                                    17R4092:0008802 x 17R4092:0008802
                                                                                  17R4092:0008802: [17r/gimmel/2.8-[329]]
   17R4092:0008802: [17r/gimmel/2.8-[329]]
                                    17R4092:0008803 x 17R4092:0008802
                                                                                  17R4092:0008802: [17r/gimmel/2.8-[329]]
                                    17R4092:0008806 x 17R4092:0008802
                                                                                  17R4092:0008802: [17r/gimmel/2.8-[329]]
                                    17R4092:0008812 x 17R4092:0008802
                                                                                  17R4092:0008802: [17r/gimmel/2.8-[329]]
                                    17R4092:0008814 x 17R4092:0008802
                                                                                  17R4092:0008802: [17r/gimmel/2.8-[329]]
                                    17R4092:0008913 x 17R4452:0009007
                                                                                  17R4452:0009007: [17r/gimmel/2.8-[311]]
                               12N305:W0039208 x 12N3614:0024102
                               12R3614:0026701 x 12R3614:0026701
                                                                             12R3614:0026701: [12r/bet/6.8-[90],12r/bet/8.8
-[181]] 12R3614:0026701: [12r/bet/6.8-[90],12r/bet/8.8-[181]]
                          11N305:W0036209 x 11N3203:0014905
                     10R305:W0005115 x 10R1313:0028614
                                                                   10R1313:0028614: [10r/gimmel/12.8-[234]]
                09R301:W0047009 x 09R2809:0021901
                                                             09R2809:0021901: [09r/bet/8.9-[340]]
                09R301:W0047608 x 09R2809:0021909
                                                             09R2809:0021909: [09r/bet/8.9-[345]]
           10R205:S0010601 x 10R1328:0028506
                                                        10R1328:0028506: [10r/gimmel/12.8-[229]]
                11N205:S0036702 x 11N3207:0014807
                     12R205:S0000706 x 12R3613:0026613
                          12N205:S0037603 x 12N3988:0024002
                          12N205:S0037604 x 12N3988:0024009
                               13R205:S0000204 x 13R4157:0024305
                                    14R205:S0000104 x 14R4284:0021512
                                                                                  14R4284:0021512: [14r/bet/23.8-[2339]]
                                    14R205:S0000105 x 14R4284:0021512
                                                                                  14R4284:0021512: [14r/bet/23.8-[2339]]
                                    14R205:S0000107 x 14R4284:0021509
                                                                                  14R4284:0021509: [14r/bet/23.8-[2342]]
                                                                                  14R4284:0021509: [14r/bet/23.8-[2342]]
                                    14R205:S0000108 x 14R4284:0021509
                               13R205:S0000306 x 13R4157:0024305
                          12N205:S0037605 x 12N3988:0024012
                     12R205:S0000711 x 12R3613:0026606
                                                                   12R3613:0026606: [12r/aleph/9.8-[2016]]
                11N205:S0036705 x 11N3207:0014801
           10R405:M0008407 x 10R1328:0028506
                                                        10R1328:0028506: [10r/gimmel/12.8-[229]]
                11R405:M0051006 x 11R3208:0021107
                                                             11R3208:0021107: [11r/aleph/19.8-[1104]]
                                                             11R3208:0021110: [11r/aleph/19.8-[1103]]
                11R405:M0051011 x 11R3208:0021110
                11R405:M0051013 x 11R3208:0021112
                                                             11R3208:0021112: [11r/aleph/28.8-[1257]]
                     11N205:S0034203 x 11N3444:0015007
                     11N305:W0035609 x 11N3444:0015009
                     11N305:W0035611 x 11N3444:0015009
                     11N405:M0032803 x 11N3444:0015007
                          12N405:M0039406 x 12N3615:0024306
                          12N405:M0042701 x 12N3615:0024302
```

14R4285:0021603: [14r/bet/23.8-[2302]]

12N405:M0042703 x 12N3615:0024302

13R405:M0003603 x 13R4158:0024402

les8w23	Fri Jun 01 16:28:50 2018 3	
	17R4092:0008913 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]	17R4452:0009001 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]	1554450.000000 1554450.000005	_
1]]	17R4452:0009008 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
	17R4452:0009009 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]	17R4452:0009010 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]	17R4452:0009011 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]	1/K4432.0007011 X 1/K4432.0007007	17R4432.0003007. [171/g1mme1/2.0 [31
1]]	17R505:B0002814 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
	17R505:B0002815 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]	17R505:B0002817 x 17R4452:0009007	17R4452:0009007: [17r/gimmel/2.8-[31
1]]		_
	$14R405:M0001401 \times 14R4285:0021603$	14R4285:0021603: [14r/bet/23.8-[2302]]
	14R405:M0003304 x 14R4285:0021608	14R4285:0021608: [14r/bet/23.8-[2303]]
	$14R405:M0003306 \times 14R4285:0021608$	14R4285:0021608: [14r/bet/23.8-[2303]]
	14R405:M0003405 x 14R4285:0021608	14R4285:0021608: [14r/bet/23.8-[2303]]

06R400:M00I2402 x 06R0024:0002410 06R400:M00I8113 x 06R0024:0002402