% this is ../../crops/18r/planning/current_pedigrees/primary_dominants/les18-_w23
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.894718) 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/Les18-

```
 06R0031:0000000 x 06R0031:0000000
      06R0031:0003108 x 06R0031:0003105
           06N301:W0009905 x 06N1362:0015907
           06N301:W0009909 x 06N1362:0015908
           06N301:W0032603 x 06N1362:0015910
           06N301:W0032608 x 06N1362:0015909
           06N301:W0034107 x 06N1362:0015902
      06R200:S0I10010 x 06R0031:0003102
      06R200:S0I10011 x 06R0031:0003103
      06R300:W00I8711 x 06R0031:0003103
           07R201:S0119711 x 07R1330:0067010
           07R301:W0000805 x 07R1330:0067010      !!!
           07R401:M0015005 x 07R1330:0067010      !!!
      06R300:W00I8712 x 06R0031:0003106
           06N301:W0004208 x 06N1329:0017710
           06N301:W0007508 x 06N1329:0017702
                07R301:W0029613 x 07R2898:0067602
           06N301:W0007803 x 06N1329:0017706
                09R301:W0041908 x 09R2897:0026803              09R2897:0026803: [09r/bet/12.9-[447]]
                     10R305:W0004211 x 10R2258:0033209             10R2258:0033209: [10r/gimmel/15.8-[528]]
                          11R305:W0050616 x 11R3275:0025702             11R3275:0025702: [11r/aleph/19.8-[1109]]
                          11R305:W0051906 x 11R3275:0025705             11R3275:0025705: [11r/aleph/19.8-[1110]]
                          11N305:W0031405 x 11N3464:0019405
                               12N504:B0039903 x 12N3647:0030706
                               12N504:B0039906 x 12N3647:0030709
                               12N504:B0040604 x 12N3647:0030704
                               12N504:B0040605 x 12N3647:0030703
                               12R3647:0030705 x 12R3647:0030705             12R3647:0030705: [12r/bet/6.8-[97],12r/be
t/8.8-[202]] 12R3647:0030705: [12r/bet/6.8-[97],12r/bet/8.8-[202]]
                                    12N4032:0030802 x 12N4032:0030802
                               12R3647:0030707 x 12R3647:0030707
                                    12N4033:0030902 x 12N4033:0030902
                               12R405:M0009613 x 12R3647:0030709
                               12R503:B0011810 x 12R3647:0030707
                               12R503:B0011811 x 12R3647:0030709
                               12R503:B0012502 x 12R3647:0030705             12R3647:0030705: [12r/bet/6.8-[97],12r/be
t/8.8-[202]]
                               14R3647:0014302 x 14R3647:0014316             14R3647:0014316: [14r/bet/20.8-[2227,2238
]]
```

```
                              14R3647:0014306 x 14R3647:0014316        14R3647:0014316: [14r/bet/20.8-[2227,2238
]]
                              14R3647:0014308 x 14R3647:0014316        14R3647:0014316: [14r/bet/20.8-[2227,2238
]]
                              14R3647:0014312 x 14R3647:0014316        14R3647:0014316: [14r/bet/20.8-[2227,2238
]]
                              14R3647:0014317 x 14R3647:0014316        14R3647:0014316: [14r/bet/20.8-[2227,2238
]]
                        11N305:W0032008 x 11N3464:0019409
               10R305:W0004809 x 10R2258:0033205        10R2258:0033205: [10r/gimmel/15.8-[527]]
               10R305:W0004810 x 10R2258:0033212        10R2258:0033212: [10r/gimmel/15.8-[531]]
            09R301:W0041909 x 09R2897:0026811        09R2897:0026811: [09r/bet/12.9-[460]]
            09R301:W0042205 x 09R2897:0026808        09R2897:0026808: [09r/bet/12.9-[455]]
            09R301:W0042214 x 09R2897:0026806        09R2897:0026806: [09r/bet/12.9-[446]]
         09R401:M0040503 x 09R1329:0026705
            10R405:M0006308 x 10R3051:0033301        10R3051:0033301: [10r/gimmel/15.8-[532]]
               11N405:M0037204 x 11N3314:0019501
               11N405:M0037605 x 11N3314:0019505
                  12R405:M0009003 x 12R3648:0030810
                  12R405:M0011101 x 12R3648:0030807
                  12R405:M0011103 x 12R3648:0030807
                     12N405:M0036903 x 12N4034:0031005
                     12N405:M0036904 x 12N4034:0031001
                     12N405:M0036906 x 12N4034:0031004
                        14R405:M0001209 x 14R4302:0024808        14R4302:0024808: [14r/bet/23.8-[2389]]
                        14R405:M0003305 x 14R4302:0024808        14R4302:0024808: [14r/bet/23.8-[2389]]
                  12R405:M0011117 x 12R3648:0030807
            10R205:S0006103 x 10R1329:0033105        10R1329:0033105: [10r/gimmel/15.8-[524]]
              11R205:S0051613 x 11R3209:0025615        11R3209:0025615: [11r/aleph/19.8-[1119]]
               11N205:S0033101 x 11N3463:0019304
                  12R205:S0002805 x 12R3646:0030601        12R3646:0030601: [12r/aleph/9.8-[2090]]
                  12N205:S0035509 x 12N4031:0030601
                     14R205:S0000204 x 14R4301:0024705        14R4301:0024705: [14r/bet/23.8-[2386]]
                     14R205:S0000408 x 14R4301:0024708        14R4301:0024708: [14r/bet/23.8-[2393]]
                     14R205:S0000409 x 14R4301:0024703        14R4301:0024703: [14r/bet/23.8-[2387]]
                  12N205:S0035805 x 12N4031:0030610
                  12N205:S0036107 x 12N4031:0030601
                  12N205:S0037308 x 12N4031:0030611
                  12R205:S0004012 x 12R3646:0030604        12R3646:0030604: [12r/aleph/9.8-[2088]]
            10R205:S0010002 x 10R1329:0033104        10R1329:0033104: [10r/gimmel/15.8-[523]]
         06R400:M00I8505 x 06R0031:0003102
         06R400:M00I8506 x 06R0031:0003103
```