```
% this is ../../crops/18r/planning/current pedigrees/primary recessives/lls1- mo20w
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.767258) 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/lls1-
06R0017:0000000 x 06R0017:0000000
      06R0017:0001704 x 06R0017:0001706
      06R0017:0001707 x 06R0017:0001708
           06N1051:0002902 x 06N1051:0002902
           06N1051:0002908 x 06N1051:0002908
           06N1051:0002909 x 06N1051:0002909
           06N1051:0002910 x 06N1051:0002910
           06N201:S0005905 x 06N1051:0002902
           06N201:S0005907 x 06N1051:0002909
           06N301:W0006602 x 06N1051:0002902
           06N301:W0006603 x 06N1051:0002909
           06N301:W0008405 x 06N1051:0002907
           06N301:W0008410 x 06N1051:0002908
      06R0017:0001708 x 06R0017:0001702
           06N1050:0002801 x 06N1050:0002801
           06N1050:0002802 \times 06N1050:0002802
           06N1050:0002804 x 06N1050:0002804
           06N1050:0002805 x 06N1050:0002805
                07R201:S0021907 x 07R2685:0078305
                     09R1413:0008001 x 09R1413:0008001
                          10R205:S0001412 x 10R2265:0013305
                                                                       10R2265:0013305: [10r/qimmel/7.8-[663,664,665]]
                               11N3280:0029704 x 11N3280:0029704
                                    12N205:S0041304 x 12N3738:0000801
                                                                                  12N3738:0000801: [12n/bet/6.1-[231,233]]
                                         13R4057:0013901 x 13R4057:0013901
                                         13R4057:0013903 x 13R4057:0013903
                                         13R4057:0013913 x 13R4057:0013913
                                    12N205:S0041906 x 12N3738:0000804
                                                                                  12N3738:0000804: [12n/bet/6.1-[234]]
                                         16R4460:0003602 x 16R4460:0003602
                                         16R4460:0003604 x 16R4460:0003604
                                         16R4460:0003607 x 16R4460:0003607
                                         16R4460:0003609 x 16R4460:0003609
                                         16R4460:0003610 x 16R4460:0003610
                                         16R4460:0003611 x 16R4460:0003611
                     09R1413:0008003 x 09R1413:0008003
                     09R1413:0008005 x 09R1413:0008005
                     09R1413:0008013 x 09R1413:0008013
                07R301:W0021814 x 07R2685:0078311
                07R401:M0021603 x 07R2685:0078311
                     09R1993:0008103 x 09R1993:0008103
```

```
10R405:M0005313 x 10R2269:0013714
                                                            10R2269:0013714: [10r/gimmel/7.8-[668]]
                    11N3281:0029902 x 11N3281:0029902
                         14R405:M0004006 x 14R3742:0004917
                                                                       14R3742:0004917: [14r/bet/17.8-[2098]]
                              15R4336:0006204 x 15R4336:0006204
                              15R4336:0006206 x 15R4336:0006206
                              15R4336:0006207 x 15R4336:0006207
                    11N3281:0029903 x 11N3281:0029903
                    11N3281:0029904 x 11N3281:0029904
          09R1993:0008105 x 09R1993:0008105
          09R1993:0008108 x 09R1993:0008108
          09R1993:0008109 x 09R1993:0008109
          09R1993:0008110 x 09R1993:0008110
06N1050:0002806 x 06N1050:0002806
06N1050:0002807 \times 06N1050:0002807
06N1050:0002808 x 06N1050:0002808
06N1050:0002810 x 06N1050:0002810
06N1050:0002812 x 06N1050:0002812
06N1050:0002813 x 06N1050:0002813
06N201:S0005311 x 06N1050:0002804
06N201:S0005312 x 06N1050:0002806
06N201:S0005605 x 06N1050:0002807
06N201:S0005608 x 06N1050:0002808
06N201:S0005609 x 06N1050:0002810
06N201:S0005904 x 06N1050:0002812
06N201:S0014301 x 06N1050:0002813
06N301:W0005403 x 06N1050:0002804
06N301:W0005406 \times 06N1050:0002808
06N301:W0005706 x 06N1050:0002810
06N301:W0006004 x 06N1050:0002812
06N301:W0007502 x 06N1050:0002801
06N301:W0007504 x 06N1050:0002802
06N301:W0008109 x 06N1050:0002805
     11N2686:0029803 x 11N2686:0029803
          12N305:W0041401 x 12N3739:0000912
                                                       12N3739:0000912: [12n/bet/6.1-[235]]
               13R4058:0014005 x 13R4058:0014005
                    14R305:W0000805 x 14R4204:0004614
                                                                  14R4204:0004614: [14r/bet/17.8-[2109]]
                         15R4335:0006104 x 15R4335:0006104
                         15R4335:0006107 x 15R4335:0006107
                         15R4335:0006113 x 15R4335:0006113
               13R4058:0014012 x 13R4058:0014012
               13R4058:0014013 x 13R4058:0014013
     11N2686:0029805 x 11N2686:0029805
     11N2686:0029806 x 11N2686:0029806
     11N2686:0029813 x 11N2686:0029813
06N301:W0008401 x 06N1050:0002807
06N301:W0030802 x 06N1050:0002806
06N301:W0031101 x 06N1050:0002807
```

06N301:W0031111 x 06N1050:0002813 06R0017:0001709 x 06R0017:0001703 06R200:S00I1908 x 06R0017:0001703 06R200:S00I7211 x 06R0017:0001701 06R300:W00I2305 x 06R0017:0001703 06R300:W00I7302 x 06R0017:0001701 06R400:M00I1818 x 06R0017:0001703 06R400:M00I7404 x 06R0017:0001701 07R1627:0077602 x 07R1627:0077602 07R1627:0077605 x 07R1627:0077605

> 07R1627:0077606 x 07R1627:0077606 07R1627:0077608 x 07R1627:0077608