% this is ../../crops/18r/planning/current_pedigrees/primary_recessives/lls1121d-k3400_w23
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.905966) 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/lls1 121D-K3400

```
 06R0034:0000000 x 06R0034:0000000
       06R0034:0003403 x 06R0034:0003401
       06R0034:0003409 x 06R0034:0003406
       06R0034:0003410 x 06R0034:0003411
       06R0034:0003414 x 06R0034:0003402
           11N205:S0030709 x 11N1370:0027510
               12R3751:0044804 x 12R3751:0044804
               12R3751:0044806 x 12R3751:0044806
                   13R205:S0002208 x 13R3617:0017901
                     14R4197:0015402 x 14R4197:0015402
                     14R4197:0015403 x 14R4197:0015403
                     14R4197:0015404 x 14R4197:0015404
                     14R4197:0015408 x 14R4197:0015408
               12R3751:0044807 x 12R3751:0044807
           11N205:S0039002 x 11N1370:0027512
           11N205:S0039004 x 11N1370:0027511
               12R3753:0045002 x 12R3753:0045002
               12R3753:0045006 x 12R3753:0045006
                   12N205:S0042201 x 12N3874:0001802         12N3874:0001802: [12n/bet/6.1-[256,257]]
                     14R4198:0015503 x 14R4198:0015503
               12R3753:0045010 x 12R3753:0045010
           11N205:S0039102 x 11N1370:0027510
           11N305:W0030803 x 11N1370:0027510
               12R3754:0045103 x 12R3754:0045103
               12R3754:0045104 x 12R3754:0045104
               12R3754:0045111 x 12R3754:0045111
               12R3754:0045112 x 12R3754:0045112
           11N305:W0038604 x 11N1370:0027512
               12R3755:0045208 x 12R3755:0045208
                   12N305:W0041402 x 12N3876:0002008         12N3876:0002008: [12n/bet/6.1-[263,264]]
                       13R4060:0014202 x 13R4060:0014202
                       13R4060:0014208 x 13R4060:0014208
                       13R4060:0014214 x 13R4060:0014214
                   12N305:W0041706 x 12N3876:0002007         12N3876:0002007: [12n/bet/6.1-[261,262]]
                       13R4061:0014301 x 13R4061:0014301
                       13R4061:0014302 x 13R4061:0014302
                       13R4061:0014307 x 13R4061:0014307
                       13R4061:0014308 x 13R4061:0014308
                          15R305:W0003009 x 15R4331:0004904
```

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                        16R4461:0003709 x 16R4461:0003709
                        16R4461:0003711 x 16R4461:0003711
                        16R4461:0003713 x 16R4461:0003713
        12R3755:0045212 x 12R3755:0045212
    11N305:W0039206 x 11N1370:0027511
        12R3756:0045303 x 12R3756:0045303
        12R3756:0045305 x 12R3756:0045305
        12R3756:0045307 x 12R3756:0045307
    11N305:W0039208 x 11N1370:0027510
    11N405:M0032509 x 11N1370:0027511
        12R3757:0045401 x 12R3757:0045401
            15R405:M0003609 x 15R3877:0005004        15R3877:0005004: [15r/bet/8.8-[2587]]
            15R405:M0003612 x 15R3877:0005004        15R3877:0005004: [15r/bet/8.8-[2587]]
            15R405:M0003904 x 15R3877:0005004        15R3877:0005004: [15r/bet/8.8-[2587]]
                16R4462:0003803 x 16R4462:0003803
                16R4462:0003808 x 16R4462:0003808
                16R4462:0003811 x 16R4462:0003811
        12R3757:0045402 x 12R3757:0045402
    11N405:M0036109 x 11N1370:0027510
        12R3758:0045503 x 12R3758:0045503
            15R405:M0003902 x 15R3878:0005215        15R3878:0005215: [15r/bet/8.8-[2604]]
            15R405:M0003903 x 15R3878:0005215        15R3878:0005215: [15r/bet/8.8-[2604]]
            15R405:M0003906 x 15R3878:0005215        15R3878:0005215: [15r/bet/8.8-[2604]]
        12R3758:0045504 x 12R3758:0045504
    11N405:M0036401 x 11N1370:0027512
        12R3759:0045609 x 12R3759:0045609
        12R3759:0045612 x 12R3759:0045612
            15R405:M0003402 x 15R4334:0005405        15R4334:0005405: [15r/bet/8.8-[2602]]
            15R405:M0003509 x 15R4334:0005405        15R4334:0005405: [15r/bet/8.8-[2602]]
            15R405:M0003510 x 15R4334:0005405        15R4334:0005405: [15r/bet/8.8-[2602]]
```