

les7-\_w23                      Fri Jun 01 16:28:50 2018                      1

% this is ../../crops/l8r/planning/current\_pedigrees/primary\_dominants/les7-\_w23  
% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.840493) 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/Les7-

K2312

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06R0023:0000000 x 06R0023:0000000
  06R0023:0002305 x 06R0023:0002310
    06N301:W0008703 x 06N1348:0014902
    06N301:W0008704 x 06N1348:0014908
    06N301:W0036205 x 06N1348:0014902
    09R201:S0041103 x 09R1348:0019508
    09R201:S0042006 x 09R1348:0019508
    09R401:M0040603 x 09R1348:0019508
    09R401:M0042110 x 09R1348:0019508
  06R0023:0002306 x 06R0023:0002312
    06N301:W0006303 x 06N1349:0015008
      07R201:S0021116 x 07R2798:0050315      !!!
      07R201:S0119104 x 07R2798:0050315
      07R301:W0021813 x 07R2798:0050301
        09R201:S0043004 x 09R1707:0020612
        09R301:W0040709 x 09R1707:0020601
        09R301:W0040711 x 09R1707:0020604
          12R305:W0001104 x 12R3227:0026108
            13R305:W0000703 x 13R3978:0022805
            13R305:W0000704 x 13R3978:0023002
            13R305:W0000705 x 13R3978:0023013
              15R305:W0000601 x 15R4359:0012512
              15R305:W0000710 x 15R4359:0012512
              15R305:W0000901 x 15R4359:0012510
                15R305:W0000902 x 15R4359:0012507
                15R305:W0001004 x 15R4359:0012512
                13R305:W0000801 x 13R3978:0022905
                15R305:W0000707 x 15R4360:0012608
                15R305:W0000709 x 15R4360:0012605
                15R305:W0001001 x 15R4360:0012612
                15R305:W0001005 x 15R4360:0012612
                13R305:W0000804 x 13R3978:0023002
                13R305:W0003501 x 13R3978:0023002
                12R305:W0001105 x 12R3227:0026106
                12R305:W0001112 x 12R3227:0026101
                09R301:W0042507 x 09R1707:0020604
                09R301:W0042512 x 09R1707:0020601
                09R301:W0043113 x 09R1707:0020612
              09R1707:0020612: [09r/bet/3.9-[85]]
              09R1707:0020612: [09r/bet/3.9-[85]]
              09R1707:0020612: [09r/bet/3.9-[85]]
              09R1707:0020612: [09r/bet/3.9-[85]]
            09R1707:0020612: [09r/bet/3.9-[215,220]]
            09R1707:0020601: [09r/bet/3.9-[170]]
            09R1707:0020604: [09r/bet/3.9-[175]]
          15R4359:0012512: [15r/bet/8.8-[2615]]
          15R4359:0012512: [15r/bet/8.8-[2615]]
          15R4359:0012510: [15r/bet/8.8-[2620,2621]]
        15R4359:0012512: [15r/bet/8.8-[2615]]
        15R4360:0012608: [15r/bet/8.8-[2617]]
        15R4360:0012605: [15r/bet/8.8-[2622]]
        15R4360:0012612: [15r/bet/8.8-[2625]]
        15R4360:0012612: [15r/bet/8.8-[2625]]
      09R1707:0020604: [09r/bet/3.9-[175]]
      09R1707:0020601: [09r/bet/3.9-[170]]
      09R1707:0020612: [09r/bet/3.9-[215,220]]
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1 @, bulk, B

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les7-\_w23

Fri Jun 01 16:28:50 2018

2

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09R301:W0043709 x 09R1707:0020611      09R1707:0020611: [09r/bet/3.9-[225]]
09R301:W0048511 x 09R1707:0020601      09R1707:0020601: [09r/bet/3.9-[170]]
09R301:W0048513 x 09R1707:0020610      09R1707:0020610: [09r/bet/3.9-[245,250]]
09R401:M0045008 x 09R1707:0020612      09R1707:0020612: [09r/bet/3.9-[215,220]]
07R301:W0032605 x 07R2798:0050315      !!!
09R201:S0042904 x 09R2798:0020108      09R2798:0020108: [09r/bet/3.9-[117,125]]
09R301:W0043101 x 09R2798:0020108      09R2798:0020108: [09r/bet/3.9-[117,125]]
09R401:M0045001 x 09R2798:0020108      09R2798:0020108: [09r/bet/3.9-[117,125]]
06N301:W0006606 x 06N1349:0015011
07R201:S0030416 x 07R2797:0050403      !!!
07R301:W0029004 x 07R2797:0050403      !!!
07R301:W0031109 x 07R2797:0050406      !!!
07R401:M0031209 x 07R2797:0050403      !!!
06N301:W0008406 x 06N1349:0015003
07R301:W0030516 x 07R2800:0050112
09R201:S0043009 x 09R1803:0020709      09R1803:0020709: [09r/bet/3.9-[265,270]]
09R301:W0040401 x 09R1803:0020703      09R1803:0020703: [09r/bet/3.9-[260]]
09R301:W0040402 x 09R1803:0020704      09R1803:0020704: [09r/bet/3.9-[255]]
09R301:W0040712 x 09R1803:0020701      09R1803:0020701: [09r/bet/3.9-[235,240]]
09R301:W0041013 x 09R1803:0020703      09R1803:0020703: [09r/bet/3.9-[260]]
09R301:W0041907 x 09R1803:0020704      09R1803:0020704: [09r/bet/3.9-[255]]
09R301:W0043114 x 09R1803:0020709      09R1803:0020709: [09r/bet/3.9-[265,270]]
09R301:W0048204 x 09R1803:0020701      09R1803:0020701: [09r/bet/3.9-[235,240]]
09R401:M0045009 x 09R1803:0020709      09R1803:0020709: [09r/bet/3.9-[265,270]]
09R201:S0042312 x 09R2800:0020010      09R2800:0020010: [09r/bet/3.9-[108,112]]
09R301:W0040414 x 09R2800:0020002      09R2800:0020002: [09r/bet/3.9-[90]]
09R301:W0040701 x 09R2800:0020007
09R301:W0042805 x 09R2800:0020010
09R301:W0048503 x 09R2800:0020007
09R401:M0044708 x 09R2800:0020010
06N301:W0008709 x 06N1349:0015002
07R301:W0007403 x 07R2801:0050007
09R201:S0043001 x 09R1676:0020401
09R201:S0043003 x 09R1676:0020409      09R1676:0020409: [09r/bet/3.9-[150,155]]
09R301:W0040703 x 09R1676:0020412      09R1676:0020412: [09r/bet/3.9-[160]]
09R301:W0040706 x 09R1676:0020413      09R1676:0020413: [09r/bet/3.9-[205]]
09R301:W0040707 x 09R1676:0020414      09R1676:0020414: [09r/bet/3.9-[190]]
09R301:W0043111 x 09R1676:0020401
09R301:W0043112 x 09R1676:0020409      09R1676:0020409: [09r/bet/3.9-[150,155]]
09R301:W0048506 x 09R1676:0020409      09R1676:0020409: [09r/bet/3.9-[150,155]]
09R401:M0045004 x 09R1676:0020401
09R401:M0045007 x 09R1676:0020409      09R1676:0020409: [09r/bet/3.9-[150,155]]
07R301:W0026603 x 07R2801:0050011      !!!
07R301:W0033515 x 07R2801:0050003      !!!
07R301:W0034712 x 07R2801:0050013      !!!
07R401:M0031204 x 07R2801:0050013      !!!
09R201:S0042915 x 09R2801:0020206      09R2801:0020206: [09r/bet/3.9-[130,135]]
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les7-\_w23

Fri Jun 01 16:28:50 2018

3

09R301:W0043107 x 09R2801:0020206  
09R301:W0048505 x 09R2801:0020213  
09R401:M0045003 x 09R2801:0020206  
06N301:W0011111 x 06N1349:0015006  
07R201:S0030414 x 07R2799:0050204 !!!  
07R201:S0030415 x 07R2799:0050209 !!!  
07R301:W0020310 x 07R2799:0050204  
09R301:W0042506 x 09R1692:0020503  
09R301:W0048507 x 09R1692:0020504  
09R301:W0056309 x 09R1692:0020502  
09R301:W0056311 x 09R1692:0020507  
07R301:W0029906 x 07R2799:0050209 !!!  
07R301:W0033207 x 07R2799:0050209  
09R201:S0040805 x 09R1828:0021410  
09R201:S0043010 x 09R1828:0021402  
09R301:W0040403 x 09R1828:0021401  
09R301:W0040404 x 09R1828:0021408  
09R301:W0041012 x 09R1828:0021410  
09R301:W0043401 x 09R1828:0021402  
09R301:W0045807 x 09R1828:0021401  
09R401:M0041204 x 09R1828:0021410  
09R401:M0045010 x 09R1828:0021402  
07R401:M0031205 x 07R2799:0050204  
07R401:M0031206 x 07R2799:0050209 !!!  
09R201:S0042317 x 09R2799:0020311  
09R301:W0043104 x 09R2799:0020311  
09R401:M0045002 x 09R2799:0020311  
09R201:S0032814 x 09R1349:0019903  
09R201:S0032816 x 09R1349:0019909  
09R201:S0033107 x 09R1349:0019914  
09R401:M0033301 x 09R1349:0019903  
09R401:M0033302 x 09R1349:0019909  
09R401:M0033309 x 09R1349:0019914  
10R205:S0007001 x 10R1349:0040809  
10R205:S0007006 x 10R1349:0040808  
10R205:S0007601 x 10R1349:0040813

11N205:S0032703 x 11N3441:0014209

11N205:S0033001 x 11N3441:0014202

12N205:S0037906 x 12N3977:0022302

13R205:S0000406 x 13R4152:0022407

14R205:S0000109 x 14R4280:0021111

16R205:S0001201 x 16R4390:0010609  
16R205:S0001202 x 16R4390:0010609  
16R205:S0001213 x 16R4390:0010609  
16R205:S0001301 x 16R4390:0010611  
16R205:S0001302 x 16R4390:0010611  
16R205:S0002709 x 16R4390:0010605

09R2801:0020206: [09r/bet/3.9-[130,135]]

09R2801:0020206: [09r/bet/3.9-[130,135]]

09R1692:0020503: [09r/bet/3.9-[195]]

09R1692:0020504: [09r/bet/3.9-[180,185]]

09R1828:0021410: [09r/bet/3.9-[285,290]]

09R1828:0021402: [09r/bet/3.9-[275,280]]

09R1828:0021401: [09r/bet/3.9-[295]]

09R1828:0021408: [09r/bet/3.9-[300]]

09R1828:0021410: [09r/bet/3.9-[285,290]]

09R1828:0021402: [09r/bet/3.9-[275,280]]

09R1828:0021401: [09r/bet/3.9-[295]]

09R1828:0021410: [09r/bet/3.9-[285,290]]

09R1828:0021402: [09r/bet/3.9-[275,280]]

09R2799:0020311: [09r/bet/3.9-[140,145]]

09R2799:0020311: [09r/bet/3.9-[140,145]]

09R2799:0020311: [09r/bet/3.9-[140,145]]

10R1349:0040809: [10r/gimmel/7.8-[625,626]]

10R1349:0040808: [10r/gimmel/7.8-[622,623]]

10R1349:0040813: [10r/gimmel/7.8-[627,628,629]]

14R4280:0021111: [14r/bet/23.8-[2345]]

16R4390:0010609: [16r/gimmel/27.7-[154]]

16R4390:0010609: [16r/gimmel/27.7-[154]]

16R4390:0010609: [16r/gimmel/27.7-[154]]

16R4390:0010611: [16r/gimmel/27.7-[148]]

16R4390:0010611: [16r/gimmel/27.7-[148]]

16R4390:0010605: [16r/gimmel/27.7-[168]]

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6

14R205:S0000111 x 14R4280:0021111 14R4280:0021111: [14r/bet/23.8-[2345]]  
14R205:S0000112 x 14R4280:0021113 14R4280:0021113: [14r/bet/23.8-[2353]]  
14R205:S0000113 x 14R4280:0021113 14R4280:0021113: [14r/bet/23.8-[2353]]  
12N205:S0037913 x 12N3977:0022301  
12N205:S0039101 x 12N3977:0022306  
11N205:S0034208 x 11N3441:0014212  
10R205:S0010202 x 10R1349:0040808 10R1349:0040808: [10r/gimmel/7.8-[622,623]]  
10R205:S0010203 x 10R1349:0040809 10R1349:0040809: [10r/gimmel/7.8-[625,626]]  
10R305:W0010106 x 10R1349:0040808 10R1349:0040808: [10r/gimmel/7.8-[622,623]]  
10R305:W0010107 x 10R1349:0040809 10R1349:0040809: [10r/gimmel/7.8-[625,626]]  
10R305:W0010116 x 10R1349:0040813 10R1349:0040813: [10r/gimmel/7.8-[627,628,629]]  
10R305:W0010514 x 10R1349:0022802 10R1349:0022802: [10r/gimmel/18.8-[670]]  
10R305:W0010517 x 10R1349:0022802 10R1349:0022802: [10r/gimmel/18.8-[670]]  
10R305:W0010712 x 10R1349:0040809 10R1349:0040809: [10r/gimmel/7.8-[625,626]]  
10R405:M0000403 x 10R1349:0022802 10R1349:0022802: [10r/gimmel/18.8-[670]]  
10R405:M0007210 x 10R1349:0040813 10R1349:0040813: [10r/gimmel/7.8-[627,628,629]]  
10R405:M0007509 x 10R1349:0040809 10R1349:0040809: [10r/gimmel/7.8-[625,626]]  
11N405:M0032801 x 11N3214:0014406  
12R405:M0001509 x 12R3610:0026210 12R3610:0026210: [12r/aleph/9.8-[2011]]  
12N405:M0037806 x 12N3979:0022608  
13R405:M0001901 x 13R4155:0024010  
14R405:M0001210 x 14R4282:0021303 14R4282:0021303: [14r/bet/23.8-[2338]]  
14R405:M0001211 x 14R4282:0021308 14R4282:0021308: [14r/bet/23.8-[2327]]  
14R405:M0001212 x 14R4282:0021303 14R4282:0021303: [14r/bet/23.8-[2338]]  
14R405:M0001516 x 14R4282:0021304 14R4282:0021304: [14r/bet/23.8-[2325]]  
13R405:M0003604 x 13R4155:0024008  
12N405:M0037808 x 12N3979:0022605  
12N405:M0039506 x 12N3979:0022609  
12R405:M0001510 x 12R3610:0026212 12R3610:0026212: [12r/aleph/9.8-[2007]]  
12R405:M0008715 x 12R3610:0026205 12R3610:0026205: [12r/aleph/9.8-[2009]]  
11N405:M0036904 x 11N3214:0014408  
06R0023:0002311 x 06R0023:0002304  
06N301:W0036201 x 06N1350:0015101  
07R301:W0025111 x 07R2793:0049711 !!!  
09R301:W0042801 x 09R2793:0019408 09R2793:0019408: [09r/bet/3.9-[70]]  
09R301:W0042804 x 09R2793:0019408 09R2793:0019408: [09r/bet/3.9-[70]]  
09R301:W0042811 x 09R2793:0019401 09R2793:0019401: [09r/bet/3.9-[62]]  
09R301:W0043109 x 09R2793:0019404 09R2793:0019404: [09r/bet/3.9-[66]]  
09R201:S0040304 x 09R1350:0019312 09R1350:0019312: [09r/bet/3.9-[47]]  
09R201:S0040306 x 09R1350:0019310 09R1350:0019310: [09r/bet/3.9-[38]]  
09R201:S0040316 x 09R1350:0019303 09R1350:0019303: [09r/bet/3.9-[57]]  
09R201:S0042002 x 09R1350:0019303 09R1350:0019303: [09r/bet/3.9-[57]]  
09R201:S0042003 x 09R1350:0019310 09R1350:0019310: [09r/bet/3.9-[38]]  
09R201:S0042004 x 09R1350:0019312 09R1350:0019312: [09r/bet/3.9-[47]]  
09R401:M0040508 x 09R1350:0019303 09R1350:0019303: [09r/bet/3.9-[57]]  
09R401:M0040509 x 09R1350:0019310 09R1350:0019310: [09r/bet/3.9-[38]]  
09R401:M0040602 x 09R1350:0019312 09R1350:0019312: [09r/bet/3.9-[47]]

les7-\_w23

Fri Jun 01 16:28:50 2018

5

09R401:M0042104 x 09R1350:0019303

09R401:M0042105 x 09R1350:0019310

09R401:M0042107 x 09R1350:0019312

06R400:M00I8109 x 06R0023:0002310

09R1350:0019303: [09r/bet/3.9-[57]]

09R1350:0019310: [09r/bet/3.9-[38]]

09R1350:0019312: [09r/bet/3.9-[47]]