

les4-_mo20w

Fri Jun 01 16:28:50 2018

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% this is ../../crops/18r/planning/current_pedigrees/primary_dominants/les4-_mo20w

% generated Friday, June 01, 2018 at 21:28:50 UTC (=1527888530.695405) 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/Les4-

06R0003:0000000 x 06R0003:0000000
06R0003:0000308 x 06R0003:0000303
06N201:S0004710 x 06N1015:0000502
07R201:S0000101 x 07R2354:0040306 !!!
07R201:S0029810 x 07R2354:0040307
07R201:S0032705 x 07R2354:0040304
09R201:S0042901 x 09R1565:0016509
10R205:S0001703 x 10R2231:0018402 10R2231:0018402: [10r/gimmel/9.8-[60]]
11N205:S0031803 x 11N3251:0010203
11N205:S0037802 x 11N3251:0010210
11N205:S0037805 x 11N3251:0010201
10R205:S0007307 x 10R2231:0018405 10R2231:0018405: [10r/gimmel/9.8-[61]]
13R205:S0002202 x 13R4084:0005812 13R4084:0005812: [13r/bet/11.7-[1032],13r/bet/
15.7-[1145],13r/bet/18.7-[1290],13r/bet/21.7-[1408],13r/bet/25.7-[1560]]
13R205:S0002204 x 13R4084:0005813 13R4084:0005813: [13r/bet/1.8-[1729],13r/bet/1
1.7-[1030,1031],13r/bet/15.7-[1146],13r/bet/18.7-[1291],13r/bet/21.7-[1409],13r/bet/25.7-[1561]]
14R205:S0000215 x 14R4229:0009701 14R4229:0009701: [14r/bet/24.8-[2429]]
17R4441:0006701 x 17R4441:0006706 17R4441:0006706: [17r/gimmel/2.8-[30
5]]
17R4441:0006702 x 17R4441:0006706 17R4441:0006706: [17r/gimmel/2.8-[30
5]]
17R4441:0006703 x 17R4441:0006706 17R4441:0006706: [17r/gimmel/2.8-[30
5]]
17R4441:0006704 x 17R4441:0006704
17R4441:0006709 x 17R4441:0006706 17R4441:0006706: [17r/gimmel/2.8-[30
5]]
14R205:S0000217 x 14R4229:0009708 14R4229:0009708: [14r/bet/18.8-[2192]]
14R205:S0000218 x 14R4229:0009711 14R4229:0009711: [14r/bet/18.8-[2201]]
10R205:S0007308 x 10R2231:0018409 10R2231:0018409: [10r/gimmel/9.8-[62]]
10R205:S0007310 x 10R2231:0018411 10R2231:0018411: [10r/gimmel/9.8-[63]]
11N205:S0031801 x 11N2231:0010007
11N205:S0031904 x 11N2231:0010013
09R201:S0043616 x 09R1565:0016508
09R201:S0043618 x 09R1565:0016510
11N205:S0036604 x 11N3414:0010104
11N205:S0037801 x 11N3414:0010112
07R301:W0032611 x 07R2354:0040304
07R401:M0032808 x 07R2354:0040304
06N201:S0005602 x 06N1015:0000501

K0303

bulk,
@, B

06N201:S0005611 x 06N1015:0000505

06N201:S0005908 x 06N1015:0000506

07R201:S0027304 x 07R2351:0040502

07R201:S0027306 x 07R2351:0040501

07R301:W0030503 x 07R2351:0040502

07R301:W0030510 x 07R2351:0040501

07R401:M0030303 x 07R2351:0040501

07R401:M0030304 x 07R2351:0040502

06N301:W0004209 x 06N1015:0000502

06N301:W0004513 x 06N1015:0000505

06N301:W0004801 x 06N1015:0000511

09R301:W0034704 x 09R2349:0017211

09R301:W0035619 x 09R2349:0017203

09R301:W0039514 x 09R2349:0017211

09R301:W0041612 x 09R2349:0017201

09R2349:0017201: [09r/bet/2.9-[4]]

10R305:W0002405 x 10R2232:0018509

10R2232:0018509: [10r/gimmel/9.8-[67]]

10R305:W0003603 x 10R2232:0018504

10R2232:0018504: [10r/gimmel/9.8-[64]]

11R305:W0050402 x 11R3252:0017607

11R3252:0017607: [11r/aleph/18.8-[1043]]

11R305:W0050403 x 11R3252:0017606

11R3252:0017606: [11r/aleph/18.8-[1041]]

11N305:W0038308 x 11N3415:0010308

11N305:W0038309 x 11N3415:0010308

12R305:W0000210 x 12R3586:0023008

12R3586:0023008: [12r/bet/3.8-[41],12r/be

t/8.8-[156]]

12N504:B0040701 x 12N3943:0016410

12N504:B0040703 x 12N3943:0016411

12N504:B0040705 x 12N3943:0016408

13R3943:0006001 x 13R3943:0006010

13R3943:0006010: [13r/bet/1.8-[1715]]

,13r/bet/11.7-[1039],13r/bet/15.7-[1152],13r/bet/18.7-[1297],13r/bet/21.7-[1415],13r/bet/25.7-[1567]]

13R3943:0006006 x 13R3943:0006010

13R3943:0006010: [13r/bet/1.8-[1715]]

,13r/bet/11.7-[1039],13r/bet/15.7-[1152],13r/bet/18.7-[1297],13r/bet/21.7-[1415],13r/bet/25.7-[1567]]

13R3943:0006007 x 13R3943:0006010

13R3943:0006010: [13r/bet/1.8-[1715]]

,13r/bet/11.7-[1039],13r/bet/15.7-[1152],13r/bet/18.7-[1297],13r/bet/21.7-[1415],13r/bet/25.7-[1567]]

13R3943:0006009 x 13R3943:0006010

13R3943:0006010: [13r/bet/1.8-[1715]]

,13r/bet/11.7-[1039],13r/bet/15.7-[1152],13r/bet/18.7-[1297],13r/bet/21.7-[1415],13r/bet/25.7-[1567]]

13R3943:0006010 x 13R3943:0006010

13R3943:0006010: [13r/bet/1.8-[1715]]

,13r/bet/11.7-[1039],13r/bet/15.7-[1152],13r/bet/18.7-[1297],13r/bet/21.7-[1415],13r/bet/25.7-[1567]] 13R3943:0006010: [13r/bet/1.8-[1715],13r/bet/11.7-[1039],13r/bet/15.7-[1152],13r/bet/18.7-[1297],13r/bet/21.7-[1415],13r/bet/25.7-[1567]]

14R3943:0009802 x 14R3943:0009801

14R3943:0009801: [14r/bet/18.8-[2189]]

]]

14R3943:0009804 x 14R3943:0009801

14R3943:0009801: [14r/bet/18.8-[2189]]

]]

14R3943:0009806 x 14R3943:0009801

14R3943:0009801: [14r/bet/18.8-[2189]]

]]

14R3943:0009808 x 14R3943:0009801

14R3943:0009801: [14r/bet/18.8-[2189]]

]]

14R3943:0009814 x 14R3943:0009801

14R3943:0009801: [14r/bet/18.8-[2189]]

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14R3943:0009815 x 14R3943:0009801 14R3943:0009801: [14r/bet/18.8-[2189
]]
14R3943:0009816 x 14R3943:0009801 14R3943:0009801: [14r/bet/18.8-[2189
]]
12R305:W0000212 x 12R3586:0023002 12R3586:0023002: [12r/bet/3.8-[40],12r/be
t/8.8-[154]]
12R3586:0023002 x 12R3586:0023002 12R3586:0023002: [12r/bet/3.8-[40],12r/be
t/8.8-[154]] 12R3586:0023002: [12r/bet/3.8-[40],12r/bet/8.8-[154]]
12N3944:0016703 x 12N3944:0016704 12N3944:0016703: [12n/bet/13.1-[813]
] 12N3944:0016704: [12n/bet/13.1-[814]]
12R3586:0023008 x 12R3586:0023008 12R3586:0023008: [12r/bet/3.8-[41],12r/be
t/8.8-[156]] 12R3586:0023008: [12r/bet/3.8-[41],12r/bet/8.8-[156]]
12N3945:0016803 x 12N3945:0016809 12N3945:0016803: [12n/bet/13.1-[820]
] 12N3945:0016809: [12n/bet/13.1-[822]]
11N305:W0038310 x 11N3415:0010308
06N401:M0005507 x 06N1015:0000502
06N401:M0006104 x 06N1015:0000511
09R401:M0042411 x 09R2350:0017312 09R2350:0017312: [09r/aleph/18.8-[245,247,252]]
09R401:M0042703 x 09R2350:0017315 09R2350:0017315: [09r/aleph/21.8-[4]]
09R401:M0042709 x 09R2350:0017314 09R2350:0017314: [09r/aleph/21.8-[2]]
10R405:M0005009 x 10R2233:0018603 10R2233:0018603: [10r/gimmel/9.8-[68]]
10R405:M0005010 x 10R2233:0018604 10R2233:0018604: [10r/gimmel/9.8-[69]]
11R405:M0050304 x 11R3253:0017702 11R3253:0017702: [11r/aleph/18.8-[1040]]
11N405:M0037307 x 11N3416:0010410
12R405:M0000310 x 12R3587:0023110 12R3587:0023110: [12r/bet/3.1-[44],12r/be
t/8.8-[161]]
12N3946:0017004 x 12N3946:0017105
12N3946:0017006 x 12N3946:0017103 12N3946:0017103: [12n/bet/13.1-[829]
]
12N3946:0017102 x 12N3946:0017105
12N3946:0017105 x 12N3946:0017109 12N3946:0017109: [12n/bet/13.1-[832]
]
12N3946:0017106 x 12N3946:0017107 12N3946:0017107: [12n/bet/13.1-[831]
]
13R4196:0013018 x 13R4115:0012910 13R4196:0013018: [13r/bet/6.8-[
1830]] 13R4115:0012910: [13r/bet/17.7-[1234],13r/bet/21.7-[1438],13r/bet/25.7-[1589],13r/bet/6.8-[1846]]
12N3946:0017112 x 12N3946:0017113 12N3946:0017113: [12n/bet/13.1-[834]
]
12N504:B0039905 x 12N3946:0017107 12N3946:0017107: [12n/bet/13.1-[831]
]
12N504:B0039911 x 12N3946:0017110 12N3946:0017110: [12n/bet/13.1-[833]
]
17R3946:0006905 x 17R3946:0006904 17R3946:0006904: [17r/gimmel/2.8-[31
5]]
17R3946:0006906 x 17R3946:0006904 17R3946:0006904: [17r/gimmel/2.8-[31
5]]
17R3946:0006908 x 17R3946:0006904 17R3946:0006904: [17r/gimmel/2.8-[31

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Small ears,

infertile

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12R405:M0001202 x 12R3587:0023104

12R3587:0023104: [12r/bet/3.8-[42],12r/be

t/8.8-[159]]

12R405:M0011408 x 12R3587:0023107

12R3587:0023107: [12r/bet/3.8-[43]]

12R503:B0012702 x 12R3587:0023110

12R3587:0023110: [12r/bet/3.1-[44],12r/be

t/8.8-[161]]

11N405:M0037308 x 11N3416:0010410

10R405:M0005012 x 10R2233:0018608

10R2233:0018608: [10r/gimmel/9.8-[70,71]]

07R201:S0034005 x 07R1015:0098406

07R201:S0034007 x 07R1015:0098406

07R301:W0085005 x 07R1015:0098410 !!!

06R200:S00I6614 x 06R0003:0000304

07R301:W0025104 x 07R1011:0042006

07R301:W0025409 x 07R1011:0042006

07R401:M0028002 x 07R1011:0042006

06R300:W00I1707 x 06R0003:0000304

07R301:W0085006 x 07R1555:0098507 !!!

06R300:W00I2006 x 06R0003:0000302

09R201:S0035501 x 09R1278:0016404

09R201:S0035502 x 09R1278:0016409

10R205:S0001702 x 10R3000:0018907

10R3000:0018907: [10r/gimmel/9.8-[82]]

10R205:S0001704 x 10R3000:0018902

10R3000:0018902: [10r/gimmel/9.8-[81]]

11N205:S0036709 x 11N3303:0009701

11N205:S0037807 x 11N3303:0009705

11N205:S0039001 x 11N3303:0009708

12R205:S0003403 x 12R3582:0022607

12R3582:0022607: [12r/aleph/8.8-[1949]]

12R205:S0003408 x 12R3582:0022607

12R3582:0022607: [12r/aleph/8.8-[1949]]

12R205:S0010918 x 12R3582:0022610

12R3582:0022610: [12r/aleph/8.8-[1951]]

12R205:S0010919 x 12R3582:0022608

12R3582:0022608: [12r/aleph/8.8-[1957]]

12N205:S0035502 x 12N3939:0015202

12N3939:0015202: [12n/bet/13.1-[790]]

12N205:S0035506 x 12N3939:0015204

12N3939:0015204: [12n/bet/13.1-[791]]

13R205:S0002205 x 13R4082:0005502

13R4082:0005502: [13r/bet/1.8-[1713],13r/

bet/11.7-[975,976,977],13r/bet/15.7-[1118],13r/bet/18.7-[1263],13r/bet/21.7-[1381],13r/bet/25.7-[1532]]

14R4227:0009205 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

14R4227:0009207 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

14R4227:0009208 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

14R4227:0009209 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

14R4227:0009210 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

14R4227:0009213 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

14R4227:0009214 x 14R4227:0009211

14R4227:0009211: [14r/bet/18.8-[2193

,2200]]

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,2200]]	14R4227:0009216 x 14R4227:0009211	14R4227:0009211: [14r/bet/18.8-[2193
,2200]]	14R505:B0002013 x 14R4227:0009211	14R4227:0009211: [14r/bet/18.8-[2193
22]]	16R505:B0002405 x 16R4227:0006601	16R4227:0006601: [16r/gimmel/26.7-[1
22]]	16R505:B0002408 x 16R4227:0006601	16R4227:0006601: [16r/gimmel/26.7-[1
9]]	17R4227:0006301 x 17R4227:0006317	17R4227:0006317: [17r/gimmel/2.8-[30
2]]	17R4227:0006303 x 17R4227:0006310	17R4227:0006310: [17r/gimmel/2.8-[31
9]]	17R4227:0006304 x 17R4227:0006317	17R4227:0006317: [17r/gimmel/2.8-[30
9]]	17R4227:0006305 x 17R4227:0006317	17R4227:0006317: [17r/gimmel/2.8-[30
9]]	17R4227:0006315 x 17R4227:0006317	17R4227:0006317: [17r/gimmel/2.8-[30
9]]	17R4227:0006316 x 17R4227:0006317	17R4227:0006317: [17r/gimmel/2.8-[30
13r/bet/15.7-[1121],13r/bet/18.7-[1266],13r/bet/21.7-[1384],13r/bet/25.7-[1535]]	13R205:S0002206 x 13R4082:0005510	13R4082:0005510: [13r/bet/11.7-[980,981],
bet/11.7-[975,976,977],13r/bet/15.7-[1118],13r/bet/18.7-[1263],13r/bet/21.7-[1381],13r/bet/25.7-[1532]]	13R205:S0002207 x 13R4082:0005502	13R4082:0005502: [13r/bet/1.8-[1713],13r/
	12N205:S0037002 x 12N3939:0015211	12N3939:0015211: [12n/bet/13.1-[792]]
	10R205:S0002002 x 10R3000:0018911	10R3000:0018911: [10r/gimmel/9.8-[83]]
	09R201:S0036103 x 09R1278:0016410	
	09R301:W0034702 x 09R1278:0016410	
	09R301:W0035615 x 09R1278:0016404	
	09R401:M0034607 x 09R1278:0016404	
	10R305:W0002410 x 10R3001:0019009	10R3001:0019009: [10r/gimmel/9.8-[85,87]]
	10R305:W0006207 x 10R3001:0019012	10R3001:0019012: [10r/gimmel/9.8-[89]]
	11R305:W0043508 x 11R3304:0017301	11R3304:0017301: [11r/aleph/18.8-[1046]]
	11R305:W0043510 x 11R3304:0017303	11R3304:0017303: [11r/aleph/18.8-[1048]]
	11N305:W0038601 x 11N3412:0009809	
-[146]]	12R305:W0000506 x 12R3583:0022707	12R3583:0022707: [12r/bet/3.8-[36],12r/bet/8.8
-[148]]	12R305:W0000512 x 12R3583:0022709	12R3583:0022709: [12r/bet/3.8-[37],12r/bet/8.8
	12N305:W0038309 x 12N3940:0015409	12N3940:0015409: [12n/bet/13.1-[794]]
995],13r/bet/15.7-[1127],13r/bet/18.7-[1272],13r/bet/21.7-[1390],13r/bet/25.7-[1541]]	13R305:W0000702 x 13R4083:0005603	13R4083:0005603: [13r/bet/11.7-[994,
[2196]]	14R4228:0009419 x 14R4228:0009404	14R4228:0009404: [14r/bet/18.8-
[2196]]	14R505:B0002108 x 14R4228:0009404	14R4228:0009404: [14r/bet/18.8-
	16R4228:0006808 x 16R4228:0006811	16R4228:0006811: [16r/gimmel/30

.7-[287]]
8-[331]]
8-[331]] 17R4228:0006404: [17r/gimmel/2.8-[331]]
8-[331]]
8-[330]]
8-[330]]
8-[330]]
8-[330]]
8-[330]] 17R4228:0006415: [17r/gimmel/2.8-[330]]
8-[330]]
13R305:W0000707 x 13R4083:0005603 13R4083:0005603: [13r/bet/11.7-[994,
995],13r/bet/15.7-[1127],13r/bet/18.7-[1272],13r/bet/21.7-[1390],13r/bet/25.7-[1541]]
12N305:W0038601 x 12N3940:0015407 12N3940:0015407: [12n/bet/13.1-[793]]
12N305:W0038603 x 12N3940:0015407 12N3940:0015407: [12n/bet/13.1-[793]]
12R3583:0022707 x 12R3583:0022707 12R3583:0022707: [12r/bet/3.8-[36],12r/bet/8.8
-[146]] 12R3583:0022707: [12r/bet/3.8-[36],12r/bet/8.8-[146]]
12R3583:0022709 x 12R3583:0022709 12R3583:0022709: [12r/bet/3.8-[37],12r/bet/8.8
-[148]] 12R3583:0022709: [12r/bet/3.8-[37],12r/bet/8.8-[148]]
11N305:W0039202 x 11N3412:0009802
11R305:W0043513 x 11R3304:0017311 11R3304:0017311: [11r/aleph/18.8-[1045]]
10R305:W0006211 x 10R3001:0019002 10R3001:0019002: [10r/gimmel/9.8-[86]]
09R401:M0034610 x 09R1278:0016409
09R401:M0034902 x 09R1278:0016410
10R405:M0005011 x 10R3002:0019112 10R3002:0019112: [10r/gimmel/9.8-[95]]
10R405:M0005306 x 10R3002:0019107 10R3002:0019107: [10r/gimmel/9.8-[93]]
10R405:M0005311 x 10R3002:0019103 10R3002:0019103: [10r/gimmel/9.8-[90]]
06R400:M00I2104 x 06R0003:0000302
06N201:S0004106 x 06N1603:0020008
10R205:S0000803 x 10R3003:0019211 10R3003:0019211: [10r/gimmel/9.8-[99]]
10R205:S0002005 x 10R3003:0019208 10R3003:0019208: [10r/gimmel/9.8-[98]]
10R205:S0002010 x 10R3003:0019203 10R3003:0019203: [10r/gimmel/9.8-[97]]
06N301:W0034504 x 06N1603:0020008
10R305:W0002411 x 10R2327:0019302 10R2327:0019302: [10r/gimmel/9.8-[100]]
10R305:W0006203 x 10R2327:0019304 10R2327:0019304: [10r/gimmel/9.8-[101]]
10R305:W0006214 x 10R2327:0019311 10R2327:0019311: [10r/gimmel/9.8-[102]]
06N401:M0004302 x 06N1603:0020008
07R201:S0030716 x 07R2328:0040111
07R201:S0031001 x 07R2328:0040106
07R201:S0032713 x 07R2328:0040101
07R301:W0030514 x 07R2328:0040111

10R305:W0001807 x 10R1802:0019605 10R1802:0019605: [10r/gimmel/9.8-[106]]
10R305:W0001808 x 10R1802:0019607 10R1802:0019607: [10r/gimmel/9.8-[107]]
10R305:W0006217 x 10R1802:0019610 10R1802:0019610: [10r/gimmel/9.8-[108]]
07R301:W0032609 x 07R2328:0040101
07R401:M0030610 x 07R2328:0040111
07R401:M0032802 x 07R2328:0040106
07R401:M0033910 x 07R2328:0040101
10R405:M0001316 x 10R2135:0019711 10R2135:0019711: [10r/gimmel/9.8-[110]]
10R405:M0006909 x 10R2135:0019707 10R2135:0019707: [10r/gimmel/9.8-[109]]
11R405:M0051304 x 11R3241:0017406 11R3241:0017406: [11r/aleph/18.8-[1070]]
11N405:M0034004 x 11N3413:0009901
12N3584:0015602 x 12N3584:0015604 12N3584:0015604: [12n/bet/13.1-[796]]
13R4196:0013005 x 13R4114:0012804 13R4114:0012804: [13r/bet/17.7-[1227]]
],13r/bet/21.7-[1431],13r/bet/25.7-[1583]]
13R4196:0013007 x 13R4114:0012804 13R4114:0012804: [13r/bet/17.7-[1227]]
],13r/bet/21.7-[1431],13r/bet/25.7-[1583]]
13R4196:0013016 x 13R4114:0012808 13R4114:0012808: [13r/bet/17.7-[1230]]
],13r/bet/21.7-[1434],13r/bet/25.7-[1586]]
13R4196:0013017 x 13R4114:0012805 13R4114:0012805: [13r/bet/17.7-[1228]]
],13r/bet/21.7-[1432],13r/bet/25.7-[1584],13r/bet/6.8-[1844,1845]]
12N3584:0015603 x 12N3584:0015604 12N3584:0015604: [12n/bet/13.1-[796]]
12N3584:0015607 x 12N3584:0015604 12N3584:0015604: [12n/bet/13.1-[796]]
12N3584:0015701 x 12N3584:0015706 12N3584:0015706: [12n/bet/13.1-[803]]
12N3584:0015710 x 12N3584:0015710 12N3584:0015710: [12n/bet/13.1-[806]]
12N3584:0015710: [12n/bet/13.1-[806]]
12N3584:0015804 x 12N3584:0015804
12N3584:0015806 x 12N3584:0015803 12N3584:0015803: [12n/bet/13.1-[808]]
12N3584:0015809 x 12N3584:0015809
12N3584:0015810 x 12N3584:0015810
12N3584:0015812 x 12N3584:0015811 12N3584:0015811: [12n/bet/13.1-[810]]
12R503:B0012603 x 12R3584:0022802
12R503:B0012605 x 12R3584:0022806
12R503:B0012607 x 12R3584:0022809 12R3584:0022809: [12r/bet/3.8-[39],12r/be
t/8.8-[152]]
12R503:B0012709 x 12R3584:0022804 12R3584:0022804: [12r/bet/3.8-[38],12r/be
t/8.8-[150]]
13R3584:0005701 x 13R3584:0005717 13R3584:0005717: [13r/bet/11.7-[1023,1024
],13r/bet/15.7-[1142],13r/bet/18.7-[1287],13r/bet/21.7-[1405],13r/bet/25.7-[1557]]
13R3584:0005703 x 13R3584:0005713 13R3584:0005713: [13r/bet/1.8-[1730],13r/
bet/11.7-[1021,1022],13r/bet/15.7-[1141],13r/bet/18.7-[1286],13r/bet/21.7-[1404],13r/bet/25.7-[1556]]
13R3584:0005714 x 13R3584:0005713 13R3584:0005713: [13r/bet/1.8-[1730],13r/
bet/11.7-[1021,1022],13r/bet/15.7-[1141],13r/bet/18.7-[1286],13r/bet/21.7-[1404],13r/bet/25.7-[1556]]
13R3584:0005715 x 13R3584:0005713 13R3584:0005713: [13r/bet/1.8-[1730],13r/
bet/11.7-[1021,1022],13r/bet/15.7-[1141],13r/bet/18.7-[1286],13r/bet/21.7-[1404],13r/bet/25.7-[1556]]
13R3584:0005716 x 13R3584:0005717 13R3584:0005717: [13r/bet/11.7-[1023,1024
],13r/bet/15.7-[1142],13r/bet/18.7-[1287],13r/bet/21.7-[1405],13r/bet/25.7-[1557]]
13R3584:0005718 x 13R3584:0005717 13R3584:0005717: [13r/bet/11.7-[1023,1024

],13r/bet/15.7-[1142],13r/bet/18.7-[1287],13r/bet/21.7-[1405],13r/bet/25.7-[1557]]
13R3584:0005719 x 13R3584:0005713 13R3584:0005713: [13r/bet/1.8-[1730],13r/
bet/11.7-[1021,1022],13r/bet/15.7-[1141],13r/bet/18.7-[1286],13r/bet/21.7-[1404],13r/bet/25.7-[1556]]
14R3584:0009502 x 14R3584:0009514 14R3584:0009514: [14r/bet/24.8-[2431]]
14R3584:0009505 x 14R3584:0009514 14R3584:0009514: [14r/bet/24.8-[2431]]
14R3584:0009507 x 14R3584:0009514 14R3584:0009514: [14r/bet/24.8-[2431]]
14R3584:0009511 x 14R3584:0009514 14R3584:0009514: [14r/bet/24.8-[2431]]
14R3584:0009513 x 14R3584:0009514 14R3584:0009514: [14r/bet/24.8-[2431]]
11N405:M0034005 x 11N3413:0009901
11R405:M0051311 x 11R3241:0017404 11R3241:0017404: [11r/aleph/18.8-[1042]]
10R405:M0005310 x 10R2328:0019402 10R2328:0019402: [10r/gimmel/9.8-[104]]
10R405:M0006908 x 10R2328:0019413 10R2328:0019413: [10r/gimmel/9.8-[105]]
06R400:M00I6106 x 06R0003:0000303
06N201:S0008301 x 06N1602:0019901
07R201:S0027610 x 07R2346:0040606
07R301:W0032608 x 07R2346:0040606
07R401:M0025511 x 07R2346:0040606
07R401:M0030305 x 07R2346:0040604
06N201:S0008305 x 06N1602:0019907
07R201:S0025009 x 07R2340:0041013
07R301:W0023308 x 07R2340:0041013
07R301:W0027507 x 07R2340:0041011
07R301:W0029309 x 07R2340:0041011
07R301:W0030210 x 07R2340:0041013
07R401:M0024906 x 07R2340:0041013
07R401:M0028003 x 07R2340:0041011
06N201:S0008309 x 06N1602:0019911
06N201:S0008906 x 06N1602:0019912
06N201:S0009804 x 06N1602:0019913
07R201:S0030704 x 07R2329:0041801 !!!
07R301:W0030511 x 07R2329:0041801
07R401:M0030601 x 07R2329:0041801 !!!
06N201:S0031904 x 06N1602:0019905
07R201:S0025017 x 07R2343:0040803
07R201:S0029805 x 07R2343:0040803
07R301:W0029311 x 07R2343:0040808
07R401:M0028004 x 07R2343:0040803
07R401:M0028005 x 07R2343:0040808
06N301:W0006307 x 06N1602:0019901
06N301:W0006605 x 06N1602:0019911
06N301:W0011408 x 06N1602:0019912
06N301:W0025101 x 06N1602:0019905
06N301:W0025108 x 06N1602:0019909
06N301:W0025401 x 06N1602:0019910
06N301:W0025402 x 06N1602:0019913
06N301:W0029904 x 06N1602:0019907
06N401:M0004304 x 06N1602:0019913

06N401:M0004902 x 06N1602:0019901
07R201:S0025615 x 07R2348:0040704
07R201:S0029201 x 07R2348:0040709
07R301:W0023908 x 07R2348:0040709
07R301:W0032001 x 07R2348:0040704
07R301:W0032002 x 07R2348:0040709
07R401:M0024308 x 07R2348:0040709
07R401:M0030306 x 07R2348:0040704
07R401:M0030310 x 07R2348:0040709
06N401:M0004909 x 06N1602:0019905
07R301:W0023906 x 07R2345:0040908
07R401:M0024305 x 07R2345:0040908
06N401:M0005201 x 06N1602:0019911
07R201:S0029808 x 07R2336:0041505
07R301:W0029608 x 07R2336:0041505
07R301:W0033204 x 07R2336:0041502
07R401:M0026101 x 07R2336:0041502
07R401:M0030005 x 07R2336:0041505
06N401:M0005202 x 06N1602:0019909
06N401:M0005509 x 06N1602:0019907
07R201:S0030403 x 07R2342:0041105
07R301:W0020601 x 07R2342:0041105
07R401:M0021008 x 07R2342:0041105
06N401:M0006101 x 06N1602:0019912
06N401:M0007001 x 06N1602:0019910