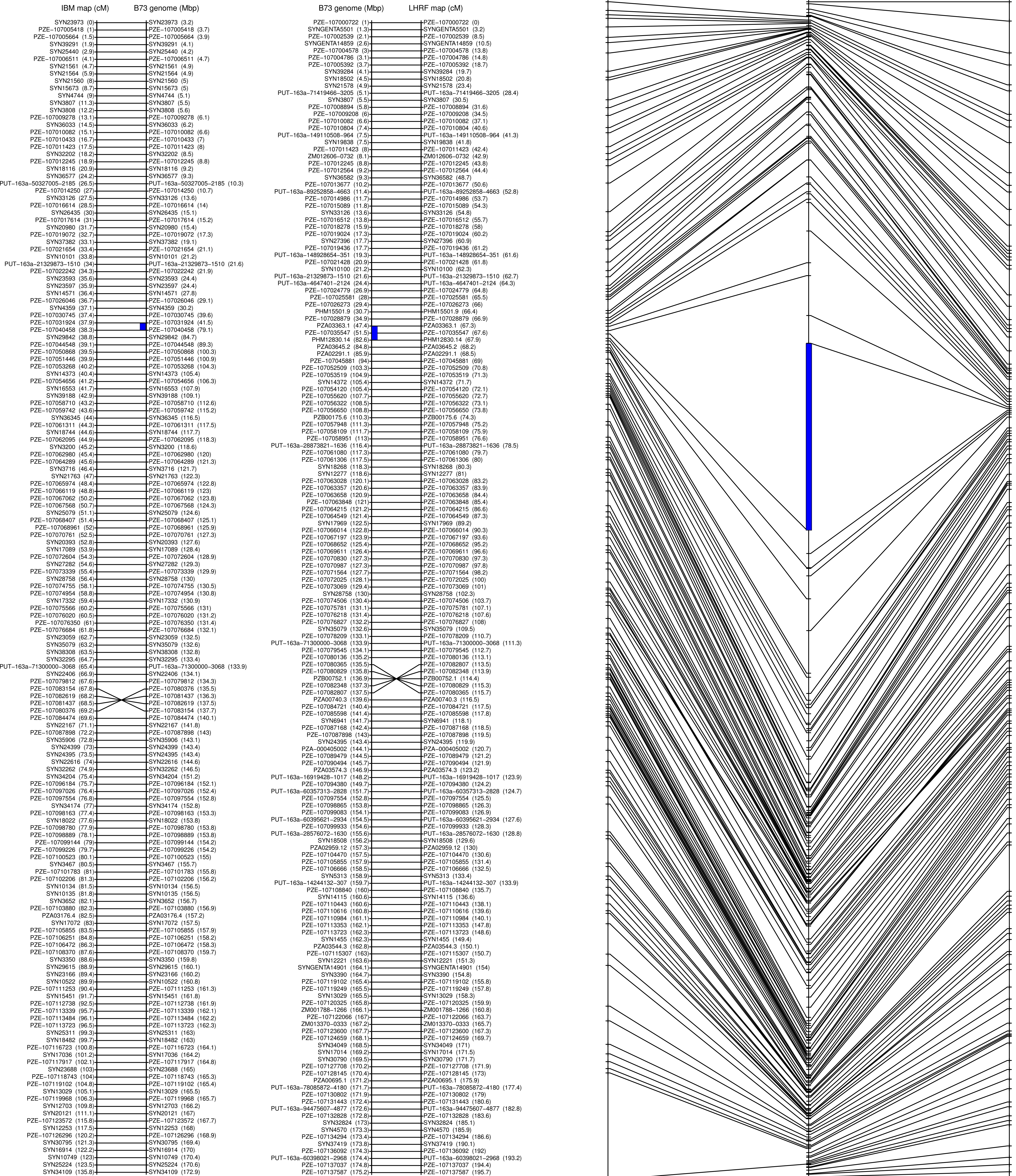
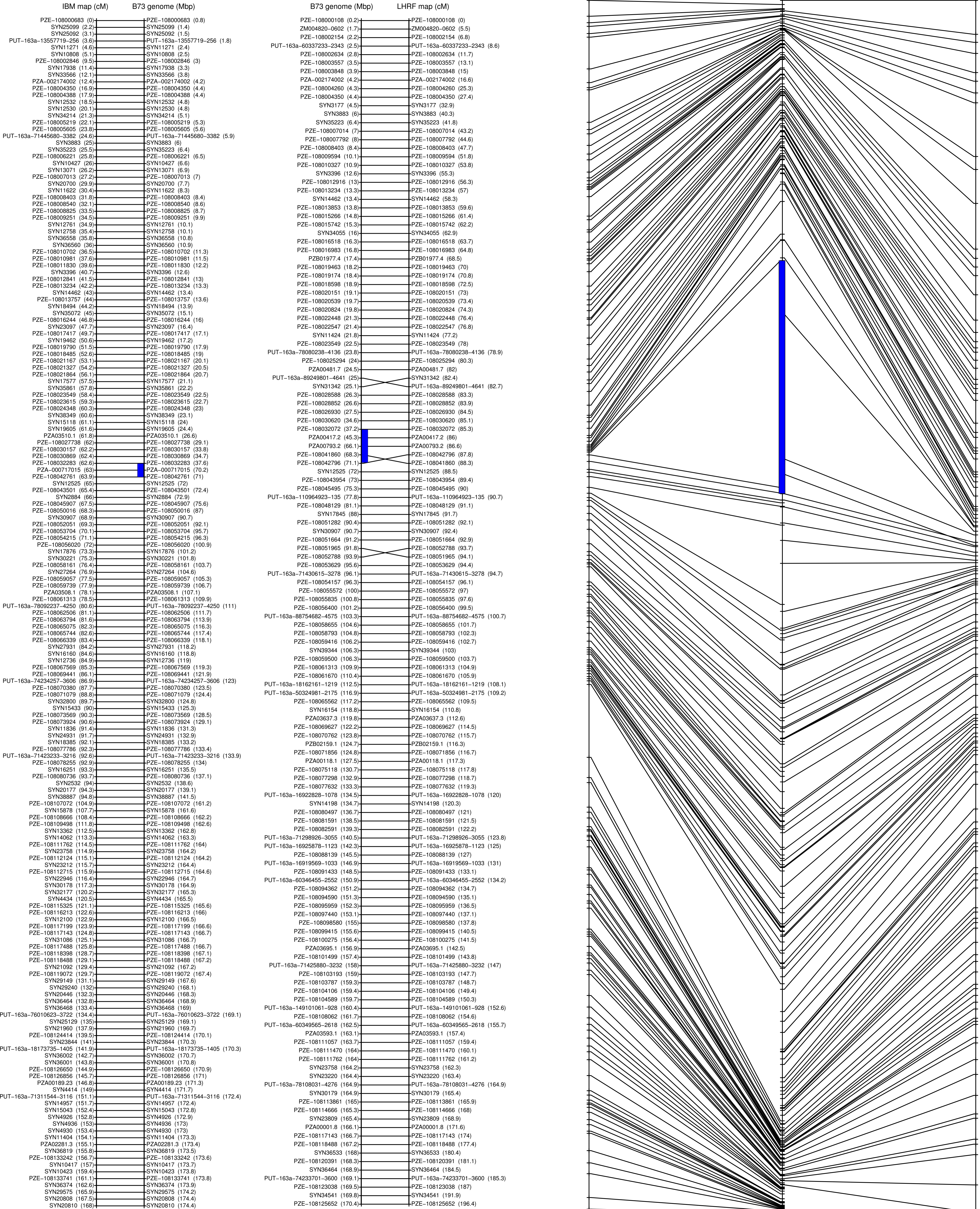


IBM map (cM)	B73 genome (Mbp)	B73 genome (Mbp)	LHRF map (cM)
PZE-10600007 (0)	PZE-10600007 (0.1)	PZE-10600136 (0.4)	PZE-10600136 (0)
PZA00606.3 (2)	PZA00606.3 (2.4)	PZE-10600507 (1.2)	PZE-10600507 (1.9)
PZE-106001672 (3.6)	PZE-106001672 (2.7)	PZE-106001445 (2.4)	PZE-106001445 (3.5)
SYN20093 (4.5)	SYN20093 (3.2)	SYN21052 (3.8)	SYN21052 (5.2)
PZE-106003203 (5.1)	PZE-106003203 (4.1)	PZE-106003350 (4.3)	PZE-106003350 (5.7)
SYN39272 (8.3)	SYN39272 (5.9)	PZE-106005744 (7)	PZE-106005744 (7.1)
PZE-106005094 (9.8)	PZE-106005094 (6.5)	PZE-106006362 (8.1)	PZE-106006362 (7.9)
SYN10561 (11.3)	SYN10561 (6.9)	PUT-163a-6653985-3051 (8.7)	PUT-163a-6653985-3051 (12.5)
SYN27276 (11.9)	SYN27276 (8.1)	PZE-106020499 (16.2)	SYN25279 (17.4)
PZE-106020499 (12.2)	PZE-106020499 (16.2)	PZE-106020773 (17.2)	PZE-106020773 (18)
PZE-106007410 (12.5)	PZE-106007410 (21.5)	SYN25279 (18.6)	PZE-106020499 (18.2)
PZE-106007902 (12.7)	PZE-106007902 (22.9)	PUT-163a-76015893-3769 (23.7)	PUT-163a-76015893-3769 (18.4)
PZE-106010060 (13.4)	PZE-106010060 (28.1)	PZE-106008388 (24.2)	PZE-106008388 (19)
PZE-106010115 (14.2)	PZE-106010115 (28.1)	PZE-106008963 (25.7)	PZE-106008963 (19.7)
PZE-106012245 (14.5)	PZE-106012245 (31.6)	PZE-106009237 (26.6)	PZE-106009237 (20.2)
SYN20528 (14.8)	SYN20528 (34.5)	PZE-106009530 (27.1)	PZE-106009530 (20.7)
PZE-106013654 (15.2)	PZE-106013654 (34.7)	PZE-106010459 (28.8)	PZE-106010459 (21.9)
SYN17206 (15.4)	SYN17206 (35)	PZE-106011052 (29.8)	PZE-106011052 (22.6)
PZE-106015076 (15.8)	PZE-106015076 (36.5)	SYN31781 (32.9)	SYN31781 (23.3)
SYN11613 (16.4)	SYN11613 (78.8)	PZE-106013427 (34.4)	PZE-106013427 (24.5)
PZE-106033899 (17.1)	PZE-106033899 (79.2)	PUT-163a-18163247-1245 (35.1)	PUT-163a-18163247-1245 (25.5)
PZE-106034829 (17.3)	PZE-106034829 (81.6)	PZE-106014943 (36.3)	PZE-106014943 (26.2)
PZE-106035079 (17.5)	PZE-106035079 (82)	PUT-163a-60355888-2773 (38.3)	PUT-163a-60355888-2773 (27)
PZE-106038725 (18.3)	PZE-106038725 (86.8)	PZE-106016805 (39.7)	PZE-106016805 (27.8)
PZE-106039882 (19.1)	PZE-106039882 (88.7)	PZE-106025231 (60.2)	PZE-106025231 (28.5)
PZE-106041604 (21.9)	PZE-106041604 (90.9)	PUT-163a-18166160-1279 (66.2)	PUT-163a-18166160-1279 (29)
SYN11565 (22.2)	SYN11565 (92.3)	PUT-163a-17932440-1208 (75.5)	PUT-163a-17932440-1208 (29.5)
SYN11803 (23)	SYN11803 (92.6)	PZE-106033760 (78.8)	PZE-106033760 (30)
SYN2959 (23.6)	SYN2959 (93.3)	PZE-106034767 (81.5)	PZE-106034767 (30.5)
SYN2967 (23.9)	SYN2967 (93.5)	PZA03069.4 (83)	PZA03069.4 (31.2)
PZE-106045024 (24.4)	PZE-106045024 (94.4)	PZE-106037197 (85.2)	PZE-106037197 (32.2)
PZE-106045763 (25.1)	PZE-106045763 (95.1)	PZE-106037698 (85.8)	PZE-106037698 (33)
PZE-106046102 (27)	PZE-106046102 (95.5)	SYN26562 (88.1)	SYN26562 (33.9)
PZE-106047470 (28.4)	PZE-106047470 (96.7)	PZE-106041093 (89.5)	PZE-106041093 (38.5)
PZE-106047841 (28.9)	PZE-106047841 (96.9)	PZE-106041836 (91.3)	PZE-106041836 (38.9)
PZE-106048558 (29.3)	PZE-106048558 (97.5)	PZE-106042213 (91.6)	PZE-106042213 (39.3)
PZE-106048958 (29.6)	PZE-106048958 (97.9)	PZE-106042764 (92.3)	PZE-106042764 (40.5)
PZE-106049264 (30.1)	PZE-106049264 (98.3)	PUT-163a-29130520-1738 (92.8)	PUT-163a-29130520-1738 (43.2)
PZE-106049462 (30.4)	PZE-106049462 (98.6)	PZE-106043119 (93)	PZE-106043119 (44)
SYN3641 (31.1)	SYN3641 (99.8)	SYN32684 (93)	SYN32684 (44.2)
PZE-106050525 (31.3)	PZE-106050525 (100.3)	PZE-106043303 (93.2)	PZE-106043303 (44.5)
SYN30048 (31.6)	SYN30048 (102.2)	PZE-106044809 (93.9)	PZE-106044809 (45.4)
PZE-106051936 (32.1)	PZE-106051936 (102.7)	PZE-106045409 (94.8)	PZE-106045409 (46.1)
PZE-106052904 (33.1)	PZE-106052904 (103.4)	PZE-106045904 (95.3)	PZE-106045904 (49.7)
PZE-106053072 (33.8)	PZE-106053072 (103.5)	SYN24469 (95.9)	SYN24469 (50.9)
SYN12088 (34.2)	SYN12088 (104.5)	PZE-106046852 (96.3)	PZE-106046852 (51.8)
PZE-106054425 (36.2)	PZE-106054425 (105)	PZE-106047652 (96.9)	PZE-106047652 (53.4)
PZE-106054710 (36.8)	PZE-106054710 (105.2)	PZE-106047802 (96.9)	PZE-106047802 (54.7)
SYN23500 (37.5)	SYN23500 (105.4)	PZE-106049549 (98.6)	PZE-106049549 (55.6)
PZE-106055794 (37.9)	PZE-106055794 (106.2)	PZE-106049961 (99.8)	PZE-106049961 (56)
PZE-106056703 (38.1)	PZE-106057989 (106.9)	PZE-106050525 (100.3)	PZE-106050525 (58)
PZE-106057989 (38.5)	PZE-106059535 (108.3)	PZE-106051936 (102.7)	PZE-106051936 (60)
PZE-106059535 (40.4)	PZE-106059789 (108.5)	PZE-106052904 (103.4)	PZE-106052904 (63.2)
PZE-106059789 (40.9)	SYN32815 (109)	ZM013755-0374 (103.9)	ZM013755-0374 (64.4)
SYN32815 (41.3)	SYN24768 (109.1)	SYN12088 (104.5)	SYN12088 (65.2)
SYN24768 (41.8)	PZE-106060613 (109.5)	PZE-106054425 (105)	PZE-106054425 (67)
PZE-106060613 (42.6)	PZE-106056703 (110.5)	SYN29718 (105.6)	SYN29718 (68.9)
PZE-106061055 (44.4)	PZE-106061055 (111.9)	SYN14084 (105.9)	SYN14084 (69.2)
PZE-106061431 (45.1)	PZE-106061431 (112.2)	SYN28492 (106.3)	SYN28492 (70.4)
SYN30628 (45.8)	SYN30628 (112.3)	PUT-163a-148945329-486 (107)	PZE-106056547 (71.1)
PZE-106061688 (46)	PZE-106061688 (112.4)	SYN38138 (112.8)	PUT-163a-31909945-2001 (71.6)
SYN38138 (46.3)	SYN38138 (112.8)	PZE-106059293 (108.2)	PUT-163a-148945329-486 (73.4)
PZE-106062474 (47.3)	PZE-106062474 (113.3)	PZE-106059789 (108.5)	PZE-106059293 (74.2)
PZE-106063012 (47.8)	PZE-106063012 (114.2)	PZE-106060302 (109.1)	PZE-106059789 (78.7)
PZE-106064188 (48.2)	PZE-106064188 (115.6)	PZE-106060834 (109.9)	PZE-106060302 (79.2)
PZE-106065285 (48.6)	PZE-106065285 (117.6)	PZE-106056547 (110.3)	PZE-106060834 (80.2)
PZE-106065440 (49.1)	PZE-106065440 (117.6)	PUT-163a-31909945-2001 (110.7)	PZE-106057592 (81)
SYN23913 (49.6)	SYN23913 (117.8)	PZE-106057284 (111.2)	PZE-106057284 (82.3)
SYN23909 (50.2)	SYN23909 (117.9)	PZE-106057592 (111.5)	PZE-106061055 (83.5)
SYN29425 (50.6)	SYN29425 (118.1)	PZE-106061440 (112.2)	PZE-106061440 (83.9)
PZE-106065653 (51)	PZE-106065653 (118.7)	SYN30626 (112.4)	SYN30626 (84.6)
PZE-106067224 (51.4)	PZE-106067224 (120.1)	SYN38138 (112.8)	SYN38138 (85.3)
PUT-163a-86468823-4491 (52.1)	PUT-163a-86468823-4491 (120.9)	PUT-163a-60357221-2827 (113.3)	PUT-163a-60357221-2827 (86.5)
PZE-106069625 (52.7)	PZE-106069625 (123.3)	PZE-106063074 (114.4)	PZE-106063074 (87.3)
SYN26935 (53.5)	SYN26935 (123.4)	PUT-163a-29577015-1798 (115.1)	PUT-163a-29577015-1798 (89)
PZE-106070038 (53.8)	PZE-106070038 (124)	PZE-106065229 (117.5)	PZE-106065229 (89.7)
PZE-106070387 (54.6)	PZE-106070387 (124.5)	PZE-106065440 (117.6)	PZE-106065440 (91)
PZE-106070575 (55.4)	PZE-106070575 (124.8)	SYN29431 (118.1)	PZE-106066077 (91.8)
PZE-106072074 (55.7)	PZE-106072074 (127.7)	PZE-106066077 (118.2)	SYN29431 (92.1)
SYN24366 (56.7)	SYN24366 (129.5)	PZE-106066701 (118.9)	PZE-106066701 (92.5)
PZE-106074560 (57.2)	PZE-106074560 (130)	PUT-163a-86468823-4491 (120.9)	PUT-163a-86468823-4491 (93.4)
PZE-106074780 (57.5)	PZE-106074780 (130)	PZE-106069690 (123.4)	PZE-106069690 (93.7)
PZE-106075520 (58.1)	PZE-106075520 (130.8)	PZA00473.5 (124.1)	PZA00473.5 (94)
SYN3765 (58.7)	SYN3765 (132)	PUT-163a-60355148-2754 (125.2)	PUT-163a-60355148-2754 (94.6)
PZE-106076828 (59.6)	PZE-106076828 (132.3)	PZE-106072609 (128.2)	PZE-106072609 (95.7)
PZE-106077055 (60)	PZE-106077055 (132.5)	SYN24367 (129.5)	SYN24367 (98.5)
PZA00250.1 (60.8)	PZA00250.1 (132.9)	PZE-106074750 (130)	PZE-106074750 (99.7)
PZE-106081362 (61.3)	PZE-106081362 (138.5)	PZB00416.2 (131.2)	PZB00416.2 (100.9)
SYN4850 (61.6)	SYN4850 (138.9)	PZE-106075973 (131.4)	PZE-106075973 (101.2)
PZE-106083170 (62.3)	PZE-106083170 (140.5)	PZD00011.3 (131.8)	PZD00011.3 (101.5)
SYN26383 (63.4)	SYN26383 (142.3)	PZE-106076719 (132.2)	PZE-106076719 (101.7)
PZE-106085963 (64.1)	PZE-106085963 (143)	PZE-106077002 (132.4)	PZE-106077002 (102.2)
SYN32129 (65.4)	SYN32129 (145.3)	PZA00250.1 (132.9)	PZA00250.1 (103.2)
SYN28980 (65.7)	SYN28980 (146.2)	PZE-106078961 (134.8)	PZE-106078961 (104.5)
SYN27107 (67)	SYN27107 (147.1)	PZE-106079658 (135.9)	PZE-106079658 (105.8)
SYN29374 (67.9)	SYN29374 (147.9)	PZE-106080799 (137.7)	PZE-106080799 (106.4)
PZE-106092386 (69.6)	PZE-106092386 (148.5)	PZE-106081904 (138.9)	PZE-106081904 (107.4)
SYN25266 (70.1)	SYN25266 (148.8)	PZE-106082617 (139.9)	PZE-106082617 (107.9)
PZE-106093812 (71.6)	PZE-106093812 (149.4)	PUT-163a-149110076-960 (140.3)	PUT-163a-149110076-960 (108.2)
SYN4801 (72.9)	SYN4801 (150.7)	PZE-106084436 (141.6)	PZE-106084436 (109.1)
SYN11816 (73.8)	SYN11816 (150.7)	PZE-106084780 (142.1)	PZE-106084780 (109.8)
SYN11808 (75)	SYN11808 (150.8)	SYN26382 (142.4)	SYN26382 (110)
SYN11807 (75.3)	SYN11807 (150.8)	SYN30964 (142.6)	SYN30964 (110.3)
SYN11809 (77.4)	SYN11809 (150.8)	PZA02148.1 (143.7)	PZA02148.1 (110.9)
PZE-106096872 (78.5)	PZE-106096872 (150.9)	PZE-106087420 (144.9)	PZE-106087420 (112.6)
SYN37999 (79.7)	SYN37999 (151.4)	PUT-163a-148991135-703 (145.1)	PUT-163a-148991135-703 (112.8)
SYN35959 (81.2)	SYN35959 (151.6)	PUT-163a-4730530-2146 (146)	PUT-163a-4730530-2146 (113.3)
PZE-106098680 (82)	PZE-106098680 (152.3)	SYN14246 (146.9)	SYN14246 (114.6)
SYN30391 (83.3)	SYN30391 (153.2)	PHM11985.27 (147.2)	PHM11985.27 (116.6)
SYN24056 (84.3)	SYN24056 (153.6)	PUT-163a-93281684-4843 (147.7)	PUT-163a-93281684-4843 (117.3)
SYN24461 (85.6)	SYN24461 (154.1)	SYN29374 (147.9)	SYN29374 (119.3)
SYN10485 (85.9)	SYN10485 (154.3)	PZE-106092530 (148.6)	PZE-106092530 (121)
PZE-106103012 (86.7)	PZE-106103012 (154.9)	SYN25272 (148.8)	SYN25272 (122.9)
SYN23855 (87.8)	SYN23855 (155.5)	SYN32093 (149.5)	SYN32093 (123.2)
PZE-106104994 (88.6)	PZE-106104994 (155.6)	PUT-163a-94477459-4887 (149.8)	PUT-163a-94477459-4887 (123.6)
PZE-106106877 (90.8)	PZE-106106877 (156.7)	PZE-106095859 (150.7)	PZE-106095859 (124.7)
SYN23624 (91.9)	SYN23624 (156.8)	PZE-106096901 (150.9)	PZE-106096901 (125.8)
SYN23628 (92.7)	SYN23628 (156.9)	SYN37999 (151.4)	SYN37999 (127)
SYN3998 (93.9)	SYN3998 (157.8)	SYN26318 (151.8)	SYN26318 (127.7)
SYN19164 (95.2)	SYN19164 (158.3)	PZE-106097991 (151.8)	PZE-106097991 (128.4)
SYN19161 (96.9)	SYN19161 (158.4)	SYN30396 (152.8)	SYN30396 (129.9)
SYN27765 (97.5)	SYN27765 (159)	PHM15251.3 (153)	PHM15251.3 (130.4)
SYN27121 (100)	SYN27121 (159.8)	SYN30392 (153.3)	SYN30392 (131.4)
SYN21356 (100.5)	SYN21356 (160)	SYN24056 (153.6)	SYN24056 (132.2)
SYN26168 (102.2)	SYN26168 (160.2)	PZE-106102069 (154.2)	PZE-106102069 (133.2)
PZE-106114021 (102.5)	PZE-106114021 (160.3)	PUT-163a-18168918-1324 (154.8)	PUT-163a-18168918-1324 (134.1)
PZE-106114426 (102.8)	PZE-106114426 (160.6)	PUT-163a-31406277-1936 (155.4)	PUT-163a-31406277-1936 (136)
SYN23743 (103.4)	SYN23743 (161)	SYN23860 (155.6)	SYN23860 (136.8)
SYN32875 (104.2)	SYN32875 (161.5)	PZE-106105143 (155.7)	PZE-106105143 (137.8)
PZE-106116673 (105.3)	PZE-106116673 (161.9)	PZA03027.12 (156.5)	PZA03027.12 (138.3)
PUT-163a-60338619-2360 (111.6)	PUT-163a-60338619-2360 (162.2)	PZE-106106978 (156.8)	PZE-106106978 (138.8)
SYN24537 (112.3)	SYN24537 (162.6)	PUT-163a-60339740-2390 (157)	PUT-163a-60339740-2390 (139.5)
SYN22989 (112.7)	SYN22989 (162.7)	PUT-163a-78075766-4101 (158.2)	PUT-163a-78075766-4101 (140.2)
SYN22988 (113.6)	SYN22988 (162.7)	SYN10769 (158.5)	SYN10769 (142.3)
SYN16022 (114.5)	SYN16022 (162.9)	PUT-163a-78074902-4096 (163)	PUT-163a-78074902-4096 (163)
PUT-163a-78074902-4096 (114.8)	PUT-163a-78074902-4096 (163)	SYN4177 (158.7)	SYN4177 (144.4)
SYN34376 (115.2)	SYN34376 (163.2)	PZE-106111667 (159.3)	PZE-106111667 (145.8)
SYN13307 (115.8)	SYN13307 (163.8)	PZE-106111961 (159.5)	PZE-106111961 (146.3)
SYN13308 (116.9)	SYN13308 (163.8)	PZE-106112096 (159.6)	PZE-106112096 (146.





IBM map (cM)	B73 genome (Mbp)	B73 genome (Mbp)	LHRF map (cM)
PZE-109000143 (0)	PZE-109000143 (0.6)	PZE-109000122 (0.6)	PZE-109000122 (0)
SYN21732 (2)	SYN21732 (1.3)	SYN21747 (1.3)	SYN21747 (3.3)
PZE-109001536 (3.2)	PZE-109001536 (2.1)	PZE-109001669 (2.2)	PZE-109001669 (5.3)
SYN25586 (3.5)	SYN25586 (2.2)	PZE-109001902 (2.5)	PZE-109001902 (6.4)
SYN24557 (3.8)	SYN24557 (2.3)	PZE-109002005 (2.3)	PZE-109002005 (7.1)
SYN36188 (4.7)	SYN36188 (3.1)	PZE-109002219 (2.6)	PZE-109002219 (8.1)
PZE-109003046 (6)	PZE-109003046 (3.7)	PZE-109003131 (3.7)	PZE-109003131 (11.2)
PZE-109003305 (7.4)	PZE-109003305 (3.8)	PZE-109003647 (4.3)	PZE-109003647 (11.9)
PZE-109003659 (7.7)	PZE-109003659 (4.3)	PZE-109004946 (5.5)	PZE-109004946 (14.7)
PZE-109003902 (8.3)	PZE-109003902 (4.4)	PZE-109005409 (6)	PZE-109005409 (17.4)
SYN30861 (10)	SYN30861 (4.7)	PZE-109005850 (6.5)	PZE-109005850 (18.3)
SYN35081 (14.8)	SYN35081 (6.1)	PZE-109006355 (7.2)	PZE-109006355 (20.3)
PZE-109006201 (17.1)	PZE-109006201 (7.1)	SYN32602 (7.6)	SYN32602 (20.8)
PZE-109006992 (19.1)	PZE-109006992 (7.8)	PZE-109006938 (7.7)	PZE-109006938 (21.3)
SYN39069 (20.9)	SYN39069 (8)	PZE-109007075 (7.9)	PZE-109007075 (23.4)
SYN39073 (21.4)	SYN39073 (8.4)	SYN36360 (9.4)	SYN36360 (27.7)
SYN13447 (22.7)	SYN13447 (8.4)	PZE-109009220 (10)	PZE-109009220 (28.4)
SYN19752 (24.6)	SYN19752 (8.8)	PZE-109009836 (10.9)	PZE-109009836 (31)
SYN20011 (26.4)	SYN20011 (9)	PZE-109010252 (11.2)	PZE-109010252 (31.6)
SYN36359 (27)	SYN36359 (9.3)	SYNGENTA10406 (11.5)	SYNGENTA10406 (32.6)
SYN11737 (28)	SYN11737 (10)	PUT-163a-6031569-2337 (11.7)	PUT-163a-6031569-2337 (34.2)
PZE-109009392 (29.8)	PZE-109009392 (10.3)	PZE-109011840 (12.6)	PZE-109011840 (36)
PZE-109009763 (31.7)	PZE-109009763 (10.8)	SYN2755 (12.9)	SYN2755 (37.1)
PZE-109010476 (33.3)	PZE-109010476 (11.4)	PZE-109012939 (13.4)	PZE-109012939 (40.2)
SYN33212 (34)	SYN33212 (11.7)	SYN35320 (13.5)	SYN35320 (41.4)
PZE-109011385 (34.8)	PZE-109011385 (11.8)	PZE-109013674 (13.9)	PZE-109013674 (42.8)
SYN2758 (36.8)	SYN2758 (12.9)	PZE-109014867 (14.8)	PZE-109014867 (45.3)
SYN18843 (37.7)	PZE-109012555 (13)	SYN32732 (15.6)	SYN32732 (45.8)
PZE-109012555 (38.2)	SYN18843 (13.2)	PUT-163a-16926106-1128 (16)	PUT-163a-16926106-1128 (46.6)
PZE-109013000 (38.6)	PZE-109013000 (13.5)	PZE-109016150 (16.3)	PZE-109016150 (48.2)
SYN35320 (39.8)	SYN35320 (13.5)	PZE-109016955 (17)	PZE-109016955 (48.9)
PZE-109013469 (40.5)	PZE-109013469 (13.8)	PZE-109017196 (17.3)	PZE-109017196 (49.3)
SYN12315 (41.6)	SYN12315 (14.3)	PZE-109017592 (17.7)	PZE-109017592 (50)
SYN11769 (43)	SYN11769 (14.5)	PZE-109017768 (18.2)	PZE-109017768 (50.7)
SYN27750 (43.4)	SYN27750 (14.8)	PZE-109018613 (18.9)	PZE-109018613 (53.2)
PZE-109015133 (44.3)	PZE-109015133 (15.3)	PZE-109019740 (20.1)	PZE-109019740 (54.6)
PZE-109015314 (46)	PZE-109015314 (15.4)	SYN9817 (20.3)	SYN9817 (56.2)
PUT-163a-16926106-1129 (46.9)	PUT-163a-16926106-1129 (16)	PZE-109021713 (22)	PZE-109021713 (60)
PZE-109016177 (48.3)	PZE-109016177 (16.3)	PZE-109022267 (22.5)	PZE-109022267 (60.8)
SYN16077 (50.7)	SYN16077 (16.7)	PZE-109022525 (23)	PZE-109022525 (61.5)
PZE-109016955 (51.7)	PZE-109016955 (17)	PZE-109023719 (23.8)	PZE-109023719 (65)
PZE-109017457 (52.5)	PZE-109017457 (17.6)	PZB01110.1 (24.1)	PZB01110.1 (65.5)
PZE-109018303 (54.6)	PZE-109018303 (18.7)	PZE-109023988 (24.1)	PZE-109023988 (65.8)
PZE-109018613 (55.4)	PZE-109018613 (18.9)	PZB01963.1 (24.5)	PZB01963.1 (66)
SYN18694 (55.7)	SYN18694 (19.8)	PZA02648.2 (25.7)	PZA02648.2 (67.5)
PZE-109019686 (56.1)	PZE-109019686 (20.1)	SYN34139 (26.6)	SYN34139 (68.2)
SYN29881 (58.9)	SYN29881 (20.8)	PZB00379.3 (26.7)	PZB00379.3 (68.7)
SYN15749 (60.1)	SYN15749 (21)	PZE-109026962 (26.9)	PZE-109026962 (69.8)
PZE-109021713 (61)	PZE-109021713 (22)	PZE-109027261 (27.2)	PZE-109027261 (70.8)
PZE-109022427 (61.3)	PZE-109022427 (22.8)	PZE-109027834 (28.6)	PZE-109027834 (71)
SYN34183 (62.4)	SYN34183 (23.7)	PUT-163a-101398342-33 (49.2)	PUT-163a-101398342-33 (71.6)
PZB01963.1 (62.9)	PZB01963.1 (24.5)	PZE-109039951 (60.1)	PZE-109040053 (72)
SYN28207 (64.2)	SYN28207 (25.3)	PZE-109040053 (60.4)	PZE-109039951 (72.4)
SYN34135 (64.6)	SYN34135 (26.6)	PZE-109044048 (74.6)	PZE-109044048 (73)
SYN34141 (64.9)	SYN34141 (26.6)	PZA01791.2 (81)	PZA01791.2 (73.6)
PZE-109026940 (65.5)	PZE-109026940 (26.9)	PUT-163a-76289682-3927 (87.3)	PUT-163a-76289682-3927 (74)
PZE-109027147 (65.8)	PZE-109027147 (27.1)	PZE-109050456 (87.8)	PZE-109050456 (74.5)
PZE-109027723 (66)	PZE-109027723 (28.4)	PZE-109051241 (88.7)	PZE-109051241 (75.2)
PZE-109029553 (66.6)	PZE-109029553 (32.3)	PZE-109052817 (91.3)	SYN25681 (76.1)
PZE-109035852 (66.8)	PZE-109035852 (47.1)	SYN25681 (92.7)	PZE-109052817 (76.6)
PZE-109037900 (67.1)	PZE-109037900 (55.5)	PZE-109054300 (94)	PZE-109054300 (77.1)
PZE-109047031 (67.3)	PZE-109047031 (81.2)	PZE-109054978 (95.6)	PZE-109054978 (77.9)
SYN38486 (67.9)	SYN38486 (87.6)	PZE-109055752 (96.4)	PZE-109055752 (79)
PZE-109051446 (68.1)	PZE-109051446 (88.9)	PZA02897.12 (97.2)	PZA02897.12 (79.8)
PZE-109051855 (68.4)	PZE-109051855 (89.6)	PZE-109056895 (97.8)	PZE-109056895 (80.2)
PZE-109054975 (68.8)	PZE-109054975 (95.6)	PZE-109058460 (99.8)	PZE-109058460 (82.3)
PZE-109055553 (70.1)	PZE-109055553 (96.2)	PZE-109058617 (100.1)	PZE-109058460 (82.8)
PZE-109057545 (71.1)	PZE-109057545 (98.7)	SYN32233 (100.3)	PZE-109059665 (83.3)
PZE-109058129 (71.7)	PZE-109058129 (99.4)	PZE-109059665 (101.3)	SYN32233 (83.8)
PZE-109060496 (72.2)	PZE-109060496 (102.1)	PZE-109060695 (102.4)	PZE-109060695 (84.8)
SYN37647 (72.9)	SYN37647 (105.1)	PZE-109063133 (105.4)	PZE-109063133 (85.6)
SYN37617 (73.4)	SYN37617 (105.4)	PZE-109064318 (107.5)	PZE-109064318 (87.6)
SYN36472 (73.7)	SYN36472 (105.8)	SYN35518 (107.8)	SYN35518 (88.1)
PZE-109064332 (74)	PZE-109064332 (107.4)	PZE-109064888 (108)	PZE-109064888 (88.6)
PZE-109064885 (74.3)	PZE-109064885 (108)	PUT-163a-5739922-2298 (108.7)	PUT-163a-5739922-2298 (90.6)
PZE-109066337 (74.9)	PZE-109066337 (109.3)	PZE-109065969 (109.1)	PZE-109065969 (91.1)
SYN21230 (76)	SYN21230 (110.3)	PZE-109066607 (109.6)	PZE-109066607 (91.7)
PZE-100001123 (76.2)	PZE-100003716573 (111.1)	PZE-109066607 (111.1)	PZE-100001123 (92.4)
PZE-100003716573 (76.4)	PZE-100001123 (111.3)	PZE-100003695226 (111.1)	PZE-100003695226 (94.5)
PZE-109068561 (77)	PZE-109068561 (112.8)	PZE-100001123 (111.3)	PZE-109067632 (96.3)
PZE-109069697 (77.2)	PZE-109069697 (113.8)	PUT-163a-78075531-4099 (112.1)	PUT-163a-78075531-4099 (97.5)
SYN18130 (78.2)	SYN18130 (114.1)	PZA03468.1 (113.7)	PZA03468.1 (98)
SYN29013 (78.9)	SYN29013 (117.3)	SYN18132 (114.2)	SYN18132 (98.3)
PZE-109073134 (79.7)	PZE-109073134 (118.3)	PZB01867.2 (115.5)	PZB01867.2 (98.6)
SYN27246 (80.5)	SYN27246 (119.7)	PZE-109071550 (116.3)	PZE-109071550 (99.2)
SYN22541 (80.8)	SYN22541 (120.3)	PZE-109073072 (118.1)	PZE-109073072 (100.2)
SYN4637 (81)	SYN4637 (121.6)	PZE-109073134 (118.3)	PZE-109073134 (100.6)
SYN14344 (81.7)	SYN14344 (123.2)	PZE-109073543 (118.9)	PZE-109073543 (100.8)
PZE-109077509 (82)	PZE-109077509 (125)	SYN27246 (119.7)	SYN27246 (101.3)
PZE-109078597 (83.5)	PZE-109078597 (126.7)	PUT-163a-60342651-2460 (122.2)	PUT-163a-60342651-2460 (102.2)
PZE-109079358 (84)	PZE-109079358 (127.4)	PZE-109075943 (122.9)	PZE-109075943 (102.5)
SYN24353 (84.5)	SYN24353 (128.2)	PZE-109076558 (123.8)	PZE-109076558 (103)
SYN12671 (85)	SYN12671 (129)	PZE-109077330 (124.8)	PZE-109077330 (104.7)
SYN3443 (85.5)	SYN3443 (130.5)	PZE-109077933 (125.6)	PZE-109077933 (105.7)
PZE-109082594 (85.9)	PZE-109082594 (131.2)	PZE-109078393 (126.3)	PZE-109078393 (106.4)
PZA01866.1 (88)	PZA01866.1 (133.9)	PZE-109078789 (126.9)	PZE-109078789 (107.4)
PZE-109085093 (88.3)	PZE-109085093 (133.9)	SYN23643 (127.5)	SYN23643 (107.8)
PZE-109085594 (88.6)	PZE-109085594 (134.3)	PUT-163a-16926216-1141 (128.2)	PUT-163a-16926216-1141 (108.4)
PZE-109086097 (89)	PZE-109086097 (134.6)	PZE-109080559 (128.6)	PZE-109080559 (109)
SYN38163 (89.4)	SYN38163 (135.9)	PZE-109080751 (128.7)	PZE-109080751 (109.3)
SYN38160 (89.8)	SYN38160 (135.9)	PUT-163a-60357793-2838 (129.2)	PUT-163a-60357793-2838 (109.9)
PZE-109087484 (90.2)	PZE-109087484 (136.1)	PZE-109081422 (129.7)	PZE-109081422 (110.2)
SYN31610 (90.9)	SYN31610 (136.2)	PZE-109082918 (131.6)	PZE-109082918 (111)
PZE-109088452 (91.2)	PZE-109088452 (136.8)	PZA01866.1 (133.9)	PZA01866.1 (113.2)
SYN24722 (91.9)	SYN24722 (137.1)	PZE-109086287 (134.8)	PZE-109086287 (115.4)
PZE-109089873 (92.6)	PZE-109089873 (137.8)	PZE-109087395 (136)	PZE-109087395 (116.9)
PZE-109091377 (94.5)	PZE-109091377 (138.7)	SYN22080 (136.9)	SYN22080 (117.9)
SYN4010 (95.4)	SYN4010 (138.9)	SYN26337 (137.3)	SYN26337 (119.1)
PZE-109093491 (98)	PZE-109093491 (140)	PZE-109089934 (137.8)	PZE-109089934 (120.1)
SYN12940 (98.4)	SYN12940 (140.3)	PZE-109091272 (138.7)	PZE-109091272 (122)
SYN32361 (99.1)	SYN32361 (140.8)	SYN4010 (138.9)	SYN4010 (124)
SYN11597 (100.7)	SYN11597 (141.5)	PZE-109091985 (139)	PZE-109091985 (124.4)
SYN11596 (101)	SYN11596 (141.5)	PZE-109093491 (140)	PZE-109093491 (127.5)
SYN26727 (102.1)	SYN26727 (141.8)	PZE-109094881 (141.3)	PZE-109094881 (128.2)
SYN16109 (102.4)	SYN16109 (141.9)	PZE-109095469 (141.5)	PZE-109095469 (129)
SYN23501 (102.8)	SYN23501 (142.5)	SYN22829 (141.9)	SYN22829 (130.3)
PZE-109097202 (103.4)	PZE-109097202 (142.8)	SYN16112 (142)	SYN16112 (130.8)
SYN30940 (104.7)	SYN30940 (142.9)	PZE-109097083 (142.7)	PZE-109097083 (132.3)
PZE-109098496 (106.9)	PZE-109098496 (143.4)	PZE-109097654 (142.9)	PZE-109097654 (135.4)
SYN27712 (107.7)	SYN27712 (143.9)	PZE-109098921 (143.9)	PZE-109098921 (137.7)
SYN27711 (108)	SYN27711 (143.9)	SYN25122 (145.4)	SYN25122 (143.8)
SYN22241 (109.9)	SYN22241 (144.8)	PUT-163a-88750800-4538 (146.3)	PUT-163a-88750800-4538 (146.2)
PZE-109100755 (110.5)	PZE-109100755 (145)	SYN30119 (146.5)	SYN30119 (146.9)
SYN25124 (111.9)	SYN25124 (145.4)	PZE-109103504 (146.8)	PZE-109103504 (148.5)
PZE-109102157 (112.2)	PZE-109102157 (146.2)	PZA00323.3 (146.9)	PZA00323.3 (149.2)
SYN30124 (114.5)	SYN30124 (146.5)	SYN26903 (147.5)	SYN26903 (150.2)
PZE-109102962 (115.6)	PZE-109102962 (146.5)	SYN10260 (147.7)	SYN10260 (153.3)
PZA02197.1 (117)	PZA02197.1 (146.9)	PZE-109106296 (148.2)	PZE-109106296 (154.2)
SYN26894 (117.5)	SYN26894 (147.5)	PZE-109106589 (148.4)	PZE-109106589 (154.9)
SYN10263 (119.2)	SYN10263 (147.8)	PZE-109106846 (148.7)	PZE-109106846 (155.2)
PZE-109106186 (119.9)	PZE-109106186 (148.1)	PZE-109107497 (149.1)	PZE-109107497 (156.3)
PZE-109107497 (120.7)	PZE-109107497 (149.1)	SYN26497 (149.3)	SYN26497 (156.9)
PZE-109108255 (121.6)	PZE-109108255 (149.5)	PZE-109108944 (149.7)	PZE-109108944 (160.8)
PZE-109109275 (125.8)	PZE-109109275 (149.9)	PZE-109100002 (150.8)	PZE-109100002 (162.2)
PZE-109109692 (127.8)	PZE-109109692 (150.4)	PZE-109110614 (151.1)	PZE-109110614 (164.7)
PZE-109109991 (128.8)	PZE-109109991 (150.8)	SYN7109 (151.3)	SYN7109 (165.5)
PZE-109110253 (129.9)	PZE-109110253 (150.9)	SYN35714 (151.5)	SYN35714 (166.4)
SYN5447 (130.9)	SYN5447 (151.2)	PZE-109112955 (151.7)	PZE-109112955 (166.8)
PZE-109111133 (133.5)	PZE-109111133 (151.3)	PZE-109113590 (151.8)	PZE-109113590 (168.6)
SYN35714 (135.3)	SYN35714 (151.5)	PUT-163a-4621424-2088 (136.4)	PUT-163a-4621424-2088 (151.7)
PUT-163a-4621424-2088 (136.4)	PUT-163a-4621424-2088 (151.7)	PZE-109113507 (137)	PZE-109113507 (151.8)
PZE-109113507 (137)	PZE-109113507 (151.8)	SYN10591 (152)	SYN10591 (169.9)
SYN10591 (138.8)	SYN10591 (152)	PUT-163a-50	

IBM map (cM)	B73 genome (Mbp)	B73 genome (Mbp)	LHRF map (cM)
SYN17514 (0)	SYN17514 (1.1)	SYN17109 (4)	SYN17109 (0)
SYN16185 (1.8)	SYN16185 (2)	SYN4482 (4.6)	SYN4482 (3.8)
SYN16805 (3.8)	SYN16805 (2.3)	SYN17783 (4.9)	SYN17783 (9.5)
SYN17621 (4.3)	SYN17621 (2.4)	PZA02095.10 (5.6)	PZA02095.10 (12.3)
SYN12396 (5.7)	SYN12396 (2.7)	PZE-110008028 (6.1)	PZE-110008028 (14.2)
SYN12401 (8.3)	SYN12401 (2.8)	PZE-110008833 (6.5)	PZE-110008833 (16.4)
SYN16617 (8.6)	SYN16617 (3.2)	PZE-110009032 (7.1)	PZE-110009032 (18.3)
SYN17105 (10.7)	SYN17105 (4)	PZE-110009225 (7.1)	PZE-110009225 (19.7)
SYN14833 (12.3)	SYN14833 (4.5)	PZE-110009334 (7.2)	PZE-110009334 (20.2)
SYN4482 (13.1)	SYN4482 (4.6)	PZE-110010396 (8.9)	PZE-110010396 (22)
SYN4471 (14.6)	SYN4471 (4.7)	PZB01301.6 (10.2)	PZB01301.6 (24.3)
SYN4484 (15.4)	SYN4484 (4.7)	PUT-163a-71767261-3524 (10.4)	PUT-163a-71767261-3524 (24.8)
SYN17783 (18.2)	SYN17783 (4.9)	PHM15331.16 (10.9)	PHM15331.16 (25.6)
SYN16720 (21.7)	SYN16720 (5.9)	SYN18994 (12.7)	SYN18994 (27.4)
PZE-110009032 (27.9)	PZE-110009032 (7.1)	PUT-163a-71758789-3424 (13.5)	PUT-163a-71758789-3424 (28.1)
PZE-110009334 (29.8)	PZE-110009334 (7.2)	PZE-110014694 (14)	PZE-110014694 (28.8)
PZE-110009907 (30.1)	PZE-110009907 (8.4)	PZE-110014871 (14.4)	PZE-110014871 (29.4)
SYN17272 (30.4)	SYN17272 (8.9)	PZE-110015359 (14.9)	PZE-110015359 (30.9)
PZE-110010846 (30.6)	PZE-110010846 (9.5)	PHM3922.32 (17.7)	PHM3922.32 (31.8)
SYN23776 (32)	SYN23776 (9.9)	PUT-163a-78086732-4196 (20.4)	PUT-163a-78086732-4196 (32.3)
SYN17564 (32.6)	SYN17564 (10.6)	PZE-110018270 (21.7)	PZE-110018270 (32.8)
PZE-110012285 (33.5)	PZE-110012285 (10.7)	SYN26652 (22.3)	SYN26652 (33)
PZE-110013051 (34.7)	PZE-110013051 (11.7)	SYN26634 (22.4)	SYN26634 (33.4)
PZE-110014547 (35.4)	PZE-110014547 (13.8)	PUT-163a-110518051-97 (23.2)	PUT-163a-110518051-97 (33.8)
PZE-110014718 (36.1)	PZE-110014718 (14.1)	PZE-110020065 (25.3)	PZE-110020065 (35)
PZE-110015042 (36.6)	PZE-110015042 (14.6)	PUT-163a-110516422-93 (29.9)	PUT-163a-110516422-93 (35.4)
PZE-110015184 (36.8)	PZE-110015184 (14.8)	PZE-110025113 (55.8)	PZE-110025113 (35.8)
PZE-110016084 (37.1)	PZE-110016084 (16.4)	PZE-110025413 (57.3)	PZE-110025413 (36.2)
PZE-110016291 (38)	PZE-110016291 (16.6)	PUT-163a-13177814-171 (70.3)	PUT-163a-13177814-171 (36.6)
PZE-110019712 (39.2)	PZE-110019712 (24.7)	PZE-110038481 (73.6)	PZE-110038481 (37)
PZE-110020197 (40.3)	PZE-110020197 (25.6)	SYN22037 (76.6)	SYN22037 (38.1)
PZA03342.2 (41.1)	PZA03342.2 (59.9)	PZE-110040063 (77.2)	PZE-110040063 (39)
PZE-110033293 (41.7)	PZE-110033293 (62.7)	PZE-110040221 (77.3)	PZE-110040221 (41.4)
PZE-110036826 (42.3)	PZE-110036826 (70.3)	PZE-110040541 (77.4)	PZE-110040541 (42.8)
PZE-110039284 (42.8)	PZE-110039284 (75.7)	PZE-110041758 (79.9)	PZE-110041758 (43.7)
PZE-110039831 (43.1)	PZE-110039831 (76.9)	PZE-110042016 (80.1)	PZE-110042016 (44)
PZE-110040193 (43.5)	PZE-110040193 (77.3)	PZE-110043055 (82.1)	PZE-110043055 (44.2)
PZE-110042215 (44.3)	PZE-110042215 (80.6)	PZE-110044004 (83.7)	PZE-110044004 (44.7)
PZE-110042705 (44.5)	PZE-110042705 (81.2)	SYN8173 (85.2)	SYN8173 (44.9)
SYN11547 (44.8)	SYN11547 (83.5)	PZE-110044817 (85.3)	PZE-110044817 (45.2)
PZE-110044190 (46.2)	PZE-110044190 (84.1)	PZE-110046358 (87.2)	PZE-110046358 (47.2)
PZE-110044891 (46.8)	PZE-110044891 (85.3)	PZE-110047212 (88.4)	PZE-110047212 (48.6)
PZE-110048720 (47.4)	PZE-110048720 (91.4)	PZE-110049100 (92)	SYN4166 (49.2)
SYN23779 (47.8)	SYN23779 (95.2)	SYN4166 (92)	PZE-110049100 (49.5)
PZE-110052325 (48)	PZE-110052325 (98.9)	PZE-110049940 (94.1)	PZE-110049940 (50.1)
SYN15824 (49)	SYN15824 (99.8)	PZE-110050295 (95)	PZE-110050295 (50.7)
PUT-163a-89249339-4631 (49.8)	PUT-163a-89249339-4631 (108.4)	PZE-110050659 (95.4)	PZE-110050659 (51.1)
SYN1116 (50.6)	SYN1116 (113.2)	PZE-110052085 (98.4)	PZE-110052085 (51.5)
SYN16793 (51)	SYN16793 (113.7)	PZE-110052763 (99.6)	PZE-110052763 (51.7)
PZE-110060779 (51.2)	PZE-110060779 (115.1)	PZA03585.1 (105)	PZA03585.1 (52.3)
PZE-110061725 (51.4)	PZE-110061725 (116.9)	PUT-163a-89249339-4630 (108.4)	PUT-163a-89249339-4630 (52.7)
PZE-110062653 (51.8)	PZE-110062653 (117.7)	PZA01292.1 (109.8)	PZA01292.1 (53.3)
PZE-110064395 (52.3)	PZE-110064395 (120)	SYN19553 (109.9)	SYN19553 (53.7)
SYN30375 (53)	SYN30375 (121.5)	PZE-110058323 (112.2)	PZE-110058323 (54.3)
SYN23939 (53.3)	SYN23939 (123.6)	PZE-110058964 (113.2)	PZE-110058964 (57.1)
SYN22810 (53.8)	SYN22810 (124.2)	PZB02237.1 (114.3)	PZB02237.1 (57.8)
PZE-110069835 (54.2)	PZE-110069835 (126.9)	PZE-110060456 (114.8)	PZE-110060456 (58.1)
SYN18871 (55.4)	SYN18871 (127.3)	PZE-110061523 (116.5)	PZE-110061523 (58.4)
PZE-110070914 (55.9)	PZE-110070914 (127.4)	PZE-110061629 (116.8)	PZE-110061629 (58.8)
SYN17536 (56.2)	SYN17536 (129.5)	PZE-110062213 (117.5)	PZE-110062213 (59.7)
PZE-110073500 (56.4)	PZE-110073500 (130.2)	PHM13687.14 (118)	PHM13687.14 (60.6)
PZE-110073743 (57)	PZE-110073743 (130.3)	PZE-110065112 (120.8)	PZE-110065112 (61.1)
PZE-110074757 (58.2)	PZE-110074757 (131)	SYN27054 (122.3)	SYN27054 (62.2)
SYN4216 (59)	SYN4216 (132.1)	PUT-163a-148967626-626 (123.2)	PUT-163a-148967626-626 (63.3)
PZE-110076741 (60.1)	PZE-110076741 (132.5)	PUT-163a-16921481-1061 (124.1)	PUT-163a-16921481-1061 (64)
SYN36342 (60.5)	SYN36342 (132.9)	PZE-110068820 (125.7)	PZE-110068820 (64.5)
PZE-11007785 (60.8)	PZE-11007785 (133.1)	PZE-110070282 (127.3)	PZE-110070282 (66.2)
PZE-110078631 (61.2)	PZE-110078631 (133.4)	PZE-110070863 (127.4)	PZE-110070863 (66.8)
SYN4826 (63.7)	SYN4826 (134.7)	PZE-110072497 (129)	PZE-110072497 (68)
PZE-110082048 (66.3)	PZE-110082048 (135.3)	PZE-110073579 (130.3)	PZE-110073579 (69.1)
PZE-110082557 (66.6)	PZE-110082557 (135.7)	PZE-110073807 (130.3)	PZE-110073807 (69.7)
SYN18730 (67.6)	SYN18730 (135.9)	PZE-110073934 (130.4)	PZE-110073934 (70.2)
PZA-001456002 (68.3)	PZA-001456002 (136.3)	PZE-110075161 (131.9)	PZE-110075161 (72.1)
PZE-110084754 (68.9)	PZE-110084754 (136.7)	SYN22958 (132.5)	SYN22958 (73.3)
SYN28385 (70.7)	SYN28385 (137.2)	PZE-110077785 (133.1)	PZE-110077785 (74.4)
PZE-110085763 (71.1)	PZE-110085763 (137.3)	PZE-110078631 (133.4)	PZE-110078631 (75.9)
SYN30303 (71.6)	SYN30303 (137.5)	PZE-110079903 (134.2)	PZE-110079903 (76.9)
PZE-110086343 (71.8)	PZE-110086343 (137.5)	SYN18728 (135.9)	SYN18728 (78.9)
SYN18456 (72.2)	SYN18456 (138)	PZE-110084185 (136.4)	PZE-110084185 (79.7)
PUT-163a-88747784-4527 (72.6)	PUT-163a-88747784-4527 (138.2)	PZE-110084754 (136.7)	PZE-110084754 (80.8)
SYN21905 (73.4)	SYN21905 (138.2)	PZE-110085296 (137.1)	PZE-110085296 (81.3)
PZE-110088311 (73.8)	PZE-110088311 (138.7)	PZE-110085688 (137.3)	PZE-110085688 (81.7)
PZE-110089201 (77.2)	PZE-110089201 (139.1)	PZE-110086687 (137.7)	PZE-110086687 (82.8)
PZE-110090887 (78)	PZE-110090887 (140)	SYN18455 (138)	SYN18455 (83.4)
SYN13120 (78.9)	SYN13120 (141)	SYN37370 (140)	SYN37370 (91.3)
PZE-110092089 (79.3)	PZE-110092089 (141)	PZE-110091181 (140.3)	PZE-110091181 (93.1)
PZE-110093416 (80.8)	PZE-110093416 (141.4)	SYN13120 (141)	SYN13120 (94.4)
SYN38150 (81.1)	SYN38150 (141.4)	PZE-110091989 (141)	PZE-110091989 (94.9)
SYN36714 (82.5)	SYN36714 (141.6)	SYN9682 (142.1)	SYN9682 (98.3)
SYN16965 (83.7)	SYN16965 (141.8)	PZE-110095199 (142.2)	PZE-110095199 (99.3)
SYN24308 (84.3)	SYN24308 (142.2)	SYN650 (143.4)	SYN650 (104.8)
SYN1018 (86)	SYN1018 (142.7)	SYN15700 (144.4)	SYN15700 (106.3)
PUT-163a-29544531-1779 (87.3)	PUT-163a-29544531-1779 (142.8)	PZE-110099681 (144.7)	PZE-110099681 (107.1)
PZE-110097359 (90.5)	PZE-110097359 (143.2)	PZE-110100655 (145)	PZE-110100655 (109.3)
SYN6070 (92.1)	SYN6070 (143.5)	SYNGENTA1862 (145.3)	SYNGENTA1862 (111.5)
SYN4350 (93.4)	SYN4350 (144.1)	SYN8538 (145.5)	SYN8538 (113.3)
PZE-110099681 (94.7)	PZE-110099681 (144.7)	PZE-110102934 (146)	PZE-110102934 (114)
PZE-110100685 (96.6)	PZE-110100685 (145)	PZE-110103696 (146.3)	PZE-110103696 (117.5)
PZE-110101412 (98.4)	PZE-110101412 (145.2)	PUT-163a-101396692-29 (147)	PUT-163a-101396692-29 (120.6)
SYN11610 (100.4)	SYN11610 (145.6)	SYN22567 (147.2)	SYN22567 (122.1)
PZE-110102934 (101.1)	PZE-110102934 (146)	PZE-110106461 (147.4)	PZE-110106461 (123.9)
SYN15271 (101.4)	SYN15271 (146.1)	SYN19279 (147.8)	SYN19279 (125.5)
SYN12666 (105.3)	SYN12666 (146.2)	SYN19774 (148.1)	SYN19774 (128.6)
SYN19616 (106.8)	SYN19616 (146.6)	PZE-110109218 (148.4)	PZE-110109218 (129.6)
SYN35585 (108.5)	SYN35585 (147)	PZE-110109364 (148.5)	PZE-110109364 (131.2)
PZE-110105598 (110.3)	PZE-110105598 (147.1)	SYN10867 (119.7)	SYN10867 (148.6)
SYN22560 (111.5)	SYN22560 (147.2)	SYN13564 (121.6)	SYN13564 (148.9)
PZE-110106108 (111.9)	PZE-110106108 (147.3)	PUT-163a-149071204-827 (122.5)	PUT-163a-149071204-827 (149)
SYN19213 (112.3)	SYN19213 (147.6)		
SYN19209 (113.6)	SYN19209 (147.6)		
SYN19279 (114.5)	SYN19279 (147.8)		
SYN19290 (115.9)	SYN19290 (147.9)		
SYN19286 (116.8)	SYN19286 (147.9)		
PZE-110109364 (118.9)	PZE-110109364 (148.5)		
SYN10867 (119.7)	SYN10867 (148.6)		
SYN13564 (121.6)	SYN13564 (148.9)		
PUT-163a-149071204-827 (122.5)	PUT-163a-149071204-827 (149)		

