

A

Zea mays cultivar

Z. mays ssp. parvuligula

Zea mays ssp. mexicana

Tourist

Table with 4 columns: Accession ID, Species, and sequence alignment. Rows include CHI349, PI213793, OAX68, URG II, MEX48, SFGYLOS 264, PUE32, VEN453, GUA131, CHR1160, MAG450, YUC7, AFP33, SAN329, OAX70, GUA14, JSyMAS 401, JSyYLOS 161, Wilkes_Si166, SFGYLOS 130, JSyYLOS 119, CIMMYT 8783, JSg_197, JSyYLOS 109, JSg_378, CIMMYT 11355, SFGYLOS 130, USDA_P156686, Benz_967, Beadle_Kato_S1, JSg_374, CIMMYT 11374, Puga_I066.

Table with 4 columns: Accession ID, Species, and sequence alignment. Rows include CHI349, PI213793, OAX68, URG II, MEX48, SFGYLOS 264, PUE32, VEN453, GUA131, CHR1160, MAG450, YUC7, AFP33, SAN329, OAX70, GUA14, JSyMAS 401, JSyYLOS 161, Wilkes_Si166, SFGYLOS 130, JSyYLOS 119, CIMMYT 8783, JSg_197, JSyYLOS 109, JSg_378, CIMMYT 11355, SFGYLOS 130, USDA_P156686, Benz_967, Beadle_Kato_S1, JSg_374, CIMMYT 11374, Puga_I066.

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Table with 4 columns: Accession ID, Species, and sequence alignment. Rows include CHI349, PI213793, OAX68, URG II, MEX48, SFGYLOS 264, PUE32, VEN453, GUA131, CHR1160, MAG450, YUC7, AFP33, SAN329, OAX70, GUA14, JSyMAS 401, JSyYLOS 161, Wilkes_Si166, SFGYLOS 119, CIMMYT 8783, JSg_197, JSyYLOS 109, JSg_378, CIMMYT 11355, SFGYLOS 130, USDA_P156686, Benz_967, Beadle_Kato_S1, JSg_374, CIMMYT 11374, Puga_I066.

Table with 4 columns: Accession ID, Gene Name, Coordinates, and Sequence. Rows include CHI349, P1213793, OAX68, URG II, MEX38, S1E0E 130, PUE32, VEN453, GUA131, CHH160, MAG450, YUC7, RFL33, SAN329, OAX70, GUA14, JSyMYMAS 401, JSyMYLOS 161, Wilkes_Site6, JSyMYLOS 130, CIMMYT 8783, JSG 197, JSyMYLOS 109, JSG 378, CIMMYT 11355, JSG 374, USA 1566686, Benz 967, Beadle_Kato_S1, JSG 374, CIMMYT 11374, Puga 11066, Puga 11066.

Table with 4 columns: Accession ID, Gene Name, Coordinates, and Sequence. Rows include CHI349, P1213793, OAX68, URG II, MEX38, S1E0E 264, PUE32, VEN453, GUA131, CHH160, MAG450, YUC7, RFL33, SAN329, OAX70, GUA14, JSyMYMAS 401, JSyMYLOS 161, Wilkes_Site6, JSyMYLOS 130, CIMMYT 8783, JSG 197, JSyMYLOS 109, JSG 378, CIMMYT 11355, JSG 374, USA 1566686, Benz 967, Beadle_Kato_S1, JSG 374, CIMMYT 11374, Puga 11066, Puga 11066.

Table with 4 columns: Accession ID, Gene Name, Coordinates, and Sequence. Rows include CHI349, P1213793, OAX68, URG II, MEX38, S1E0E 264, PUE32, VEN453, GUA131, CHH160, MAG450, YUC7, RFL33, SAN329, OAX70, GUA14, JSyMYMAS 401, JSyMYLOS 161, Wilkes_Site6, JSyMYLOS 130, CIMMYT 8783, JSG 197, JSyMYLOS 109, JSG 378, CIMMYT 11355, JSG 374, USA 1566686, Benz 967, Beadle_Kato_S1, JSG 374, CIMMYT 11374, Puga 11066, Puga 11066.

Table with 4 columns: Accession ID, Gene Name, Coordinates, and Sequence. Rows include CHI349, P1213793, OAX68, URG II, MEX38, S1E0E 130, PUE32, VEN453, GUA131, CHH160, MAG450, YUC7, RFL33, SAN329, OAX70, GUA14, JSyMYMAS 401, JSyMYLOS 161, Wilkes_Site6, JSyMYLOS 130, CIMMYT 8783, JSG 197, JSyMYLOS 109, JSG 378, CIMMYT 11355, JSG 374, USA 1566686, Benz 967, Beadle_Kato_S1, JSG 374, CIMMYT 11374, Puga 11066, Puga 11066.

| | Z. mays ssp. parviglumis | Z. mays ssp. mexicana | Hopsotch |
|----------------|--------------------------|-----------------------|----------|
| CHI349 | 1702 | 1702 | 1702 |
| PI213793 | 1700 | 1700 | 1700 |
| OAX68 | 1704 | 1704 | 1704 |
| JSG_II | 1663 | 1663 | 1663 |
| MEX48 | 1701 | 1701 | 1701 |
| SIN2 | 1686 | 1686 | 1686 |
| PUE32 | 1694 | 1694 | 1694 |
| VEN453 | 1701 | 1701 | 1701 |
| GUA131 | 1701 | 1701 | 1701 |
| CHI650 | 1699 | 1699 | 1699 |
| MAG450 | 1703 | 1703 | 1703 |
| YUC7 | 1704 | 1704 | 1704 |
| APC13 | 1703 | 1703 | 1703 |
| SAN329 | 1702 | 1702 | 1702 |
| OAX70 | 1704 | 1704 | 1704 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 1700 | 1700 | 1700 |
| JSGYLOS_161 | 1699 | 1699 | 1699 |
| Wilkes_Site6 | 1701 | 1701 | 1701 |
| JSGYLOS_130 | 821 | 821 | 821 |
| JSGYLOS_119 | 821 | 821 | 821 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 846 | 846 | 846 |
| CIMMYT_11355 | 838 | 838 | 838 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 830 | 830 | 830 |
| Benz_967 | 929 | 929 | 929 |
| Beadle_Kato_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 1 | 1 | 1 |
| CHI349 | 1812 | 1812 | 1812 |
| PI213793 | 1810 | 1810 | 1810 |
| OAX68 | 1814 | 1814 | 1814 |
| JSG_II | 1773 | 1773 | 1773 |
| MEX48 | 1796 | 1796 | 1796 |
| SIN2 | 1795 | 1795 | 1795 |
| PUE32 | 1804 | 1804 | 1804 |
| VEN453 | 1818 | 1818 | 1818 |
| GUA131 | 1811 | 1811 | 1811 |
| CHI650 | 1809 | 1809 | 1809 |
| MAG450 | 1813 | 1813 | 1813 |
| YUC7 | 1814 | 1814 | 1814 |
| APC13 | 1813 | 1813 | 1813 |
| SAN329 | 1812 | 1812 | 1812 |
| OAX70 | 1814 | 1814 | 1814 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 1810 | 1810 | 1810 |
| JSGYLOS_161 | 1809 | 1809 | 1809 |
| Wilkes_Site6 | 1810 | 1810 | 1810 |
| S16 | 832 | 832 | 832 |
| JSGYLOS_119 | 821 | 821 | 821 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 846 | 846 | 846 |
| CIMMYT_11355 | 838 | 838 | 838 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 830 | 830 | 830 |
| Benz_967 | 960 | 960 | 960 |
| Beadle_Kato_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 111 | 111 | 111 |
| CHI349 | 1922 | 1922 | 1922 |
| PI213793 | 1920 | 1920 | 1920 |
| OAX68 | 1924 | 1924 | 1924 |
| JSG_II | 1883 | 1883 | 1883 |
| MEX48 | 1921 | 1921 | 1921 |
| SIN2 | 1912 | 1912 | 1912 |
| PUE32 | 1914 | 1914 | 1914 |
| VEN453 | 1928 | 1928 | 1928 |
| GUA131 | 1921 | 1921 | 1921 |
| CHI650 | 1919 | 1919 | 1919 |
| MAG450 | 1923 | 1923 | 1923 |
| YUC7 | 1924 | 1924 | 1924 |
| APC13 | 1923 | 1923 | 1923 |
| SAN329 | 1922 | 1922 | 1922 |
| OAX70 | 1924 | 1924 | 1924 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 1920 | 1920 | 1920 |
| JSGYLOS_161 | 1919 | 1919 | 1919 |
| Wilkes_Site6 | 1920 | 1920 | 1920 |
| JSGYLOS_130 | 852 | 852 | 852 |
| JSGYLOS_119 | 842 | 842 | 842 |
| CIMMYT_8783 | 849 | 849 | 849 |
| JSG_197 | 842 | 842 | 842 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 846 | 846 | 846 |
| CIMMYT_11355 | 858 | 858 | 858 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 830 | 830 | 830 |
| Benz_967 | 975 | 975 | 975 |
| Beadle_Kato_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 146 | 146 | 146 |
| CHI349 | 2031 | 2031 | 2031 |
| PI213793 | 2030 | 2030 | 2030 |
| OAX68 | 2034 | 2034 | 2034 |
| JSG_II | 1993 | 1993 | 1993 |
| MEX48 | 2031 | 2031 | 2031 |
| SIN2 | 2016 | 2016 | 2016 |
| PUE32 | 2018 | 2018 | 2018 |
| VEN453 | 2038 | 2038 | 2038 |
| GUA131 | 2031 | 2031 | 2031 |
| CHI650 | 2029 | 2029 | 2029 |
| MAG450 | 2033 | 2033 | 2033 |
| YUC7 | 2034 | 2034 | 2034 |
| APC13 | 2033 | 2033 | 2033 |
| SAN329 | 2032 | 2032 | 2032 |
| OAX70 | 2034 | 2034 | 2034 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 2030 | 2030 | 2030 |
| JSGYLOS_161 | 2029 | 2029 | 2029 |
| Wilkes_Site6 | 2030 | 2030 | 2030 |
| JSGYLOS_130 | 821 | 821 | 821 |
| JSGYLOS_119 | 821 | 821 | 821 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 846 | 846 | 846 |
| CIMMYT_11355 | 858 | 858 | 858 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 830 | 830 | 830 |
| Benz_967 | 1010 | 1010 | 1010 |
| Beadle_Kato_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 146 | 146 | 146 |

| | <i>Zea mays ssp. parvuligumis</i> | <i>Zea mays ssp. mexicana</i> | Hopsaloch |
|---------------|-----------------------------------|-------------------------------|-----------|
| CHI349 | 2141 | 2141 | 2141 |
| P1213793 | 2140 | 2140 | 2140 |
| OA68 | 2144 | 2144 | 2144 |
| JRG_II | 2103 | 2103 | 2103 |
| ME48 | 2141 | 2141 | 2141 |
| SIN2 | 2142 | 2142 | 2142 |
| PUE32 | 2141 | 2141 | 2141 |
| VEN453 | 2148 | 2148 | 2148 |
| GUA131 | 2141 | 2141 | 2141 |
| CH160 | 2139 | 2139 | 2139 |
| MAG450 | 2143 | 2143 | 2143 |
| YUC7 | 2144 | 2144 | 2144 |
| AP13 | 2142 | 2142 | 2142 |
| SAN329 | 2142 | 2142 | 2142 |
| OA70 | 2144 | 2144 | 2144 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 2140 | 2140 | 2140 |
| JSGYLOS_161 | 2139 | 2139 | 2139 |
| Wilkes_516e | 2140 | 2140 | 2140 |
| JSGYLOS_130 | 852 | 852 | 852 |
| JSGYLOS_119 | 812 | 812 | 812 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 658 | 658 | 658 |
| CIMMYT_11355 | 858 | 858 | 858 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 810 | 810 | 810 |
| Beiz_967 | 1029 | 1029 | 1029 |
| Beadle_Ko1_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 1 | 1 | 1 |
| CHI349 | 2251 | 2251 | 2251 |
| P1213793 | 2250 | 2250 | 2250 |
| OA68 | 2254 | 2254 | 2254 |
| JRG_II | 2213 | 2213 | 2213 |
| ME48 | 2251 | 2251 | 2251 |
| SIN2 | 2236 | 2236 | 2236 |
| PUE32 | 2214 | 2214 | 2214 |
| VEN453 | 2258 | 2258 | 2258 |
| GUA131 | 2251 | 2251 | 2251 |
| CH160 | 2249 | 2249 | 2249 |
| MAG450 | 2253 | 2253 | 2253 |
| YUC7 | 2254 | 2254 | 2254 |
| AP13 | 2253 | 2253 | 2253 |
| SAN329 | 2214 | 2214 | 2214 |
| OA70 | 2254 | 2254 | 2254 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 2250 | 2250 | 2250 |
| JSGYLOS_161 | 2249 | 2249 | 2249 |
| Wilkes_516e | 2250 | 2250 | 2250 |
| JSGYLOS_130 | 852 | 852 | 852 |
| JSGYLOS_119 | 812 | 812 | 812 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 740 | 740 | 740 |
| CIMMYT_11355 | 858 | 858 | 858 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 810 | 810 | 810 |
| Beiz_967 | 1115 | 1115 | 1115 |
| Beadle_Ko1_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 111 | 111 | 111 |
| CHI349 | 2361 | 2361 | 2361 |
| P1213793 | 2360 | 2360 | 2360 |
| OA68 | 2364 | 2364 | 2364 |
| JRG_II | 2323 | 2323 | 2323 |
| ME48 | 2361 | 2361 | 2361 |
| SIN2 | 2346 | 2346 | 2346 |
| PUE32 | 2314 | 2314 | 2314 |
| VEN453 | 2368 | 2368 | 2368 |
| GUA131 | 2361 | 2361 | 2361 |
| CH160 | 2359 | 2359 | 2359 |
| MAG450 | 2363 | 2363 | 2363 |
| YUC7 | 2364 | 2364 | 2364 |
| AP13 | 2363 | 2363 | 2363 |
| SAN329 | 2314 | 2314 | 2314 |
| OA70 | 2364 | 2364 | 2364 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 2360 | 2360 | 2360 |
| JSGYLOS_161 | 2359 | 2359 | 2359 |
| Wilkes_516e | 2360 | 2360 | 2360 |
| JSGYLOS_130 | 852 | 852 | 852 |
| JSGYLOS_119 | 812 | 812 | 812 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 747 | 747 | 747 |
| CIMMYT_11355 | 858 | 858 | 858 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 810 | 810 | 810 |
| Beiz_967 | 1122 | 1122 | 1122 |
| Beadle_Ko1_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 149 | 149 | 149 |
| CHI349 | 2471 | 2471 | 2471 |
| P1213793 | 2470 | 2470 | 2470 |
| OA68 | 2474 | 2474 | 2474 |
| JRG_II | 2433 | 2433 | 2433 |
| ME48 | 2471 | 2471 | 2471 |
| SIN2 | 2456 | 2456 | 2456 |
| PUE32 | 2471 | 2471 | 2471 |
| VEN453 | 2478 | 2478 | 2478 |
| GUA131 | 2471 | 2471 | 2471 |
| CH160 | 2469 | 2469 | 2469 |
| MAG450 | 2473 | 2473 | 2473 |
| YUC7 | 2474 | 2474 | 2474 |
| AP13 | 2473 | 2473 | 2473 |
| SAN329 | 2472 | 2472 | 2472 |
| OA70 | 2472 | 2472 | 2472 |
| GUA14 | 1242 | 1242 | 1242 |
| JSGYMAS_401 | 2470 | 2470 | 2470 |
| JSGYLOS_161 | 2469 | 2469 | 2469 |
| Wilkes_516e | 2470 | 2470 | 2470 |
| JSGYLOS_130 | 852 | 852 | 852 |
| JSGYLOS_119 | 812 | 812 | 812 |
| CIMMYT_8783 | 842 | 842 | 842 |
| JSG_197 | 849 | 849 | 849 |
| JSGYLOS_109 | 843 | 843 | 843 |
| JSG_378 | 765 | 765 | 765 |
| CIMMYT_11355 | 858 | 858 | 858 |
| JSGYMAS_264 | 836 | 836 | 836 |
| USDA_P156686 | 810 | 810 | 810 |
| Beiz_967 | 1140 | 1140 | 1140 |
| Beadle_Ko1_S1 | 859 | 859 | 859 |
| JSG_374 | 866 | 866 | 866 |
| CIMMYT_11374 | 862 | 862 | 862 |
| Puga_11066 | 839 | 839 | 839 |
| Puga_11066 | 149 | 149 | 149 |

Table with 3 columns: Accession ID (e.g., CH1349, P1213793, OAX68), Species (Z. mays ssp. parviglumis, Z. mays ssp. mexicana, Hopscotch), and Sequence (DNA bases). Includes a blue bar at the bottom of the sequence block.

Table with 3 columns: Accession ID, Species, and Sequence. Similar to the first table, but with a blue bar highlighting a specific region in the sequence.

Table with 3 columns: Accession ID, Species, and Sequence. Similar to the first table, but with a blue bar highlighting a specific region in the sequence.

Table with 3 columns: Accession ID, Species, and Sequence. Similar to the first table, but with a blue bar highlighting a specific region in the sequence.

Table with 4 columns: Accession ID, coordinates, sequence, and reference sequence. Rows include CHI349, P1213793, OAX68, USG_II, MEX48, SIN2, PUE32, VEN453, GUA131, CHI160, MAG450, YUC7, APC13, SAN329, OAX70, GUA14, JSGYMAS_401, USGyLOS_161, Wilkes_Site6, USGyLOS_130, USGyLOS_119, CIMMYT_8783, JSG_197, USGyLOS_109, USG_378, APC13_11355, USMA_P56686, Benz_967, Beadle_Kato_S1, USG_374, CIMMYT_11374, Puga_11066, Puga_11060.

Table with 4 columns: Accession ID, coordinates, sequence, and reference sequence. Rows include CHI349, P1213793, OAX68, USG_II, MEX48, SIN2, PUE32, VEN453, GUA131, CHI160, MAG450, YUC7, APC13, SAN329, OAX70, GUA14, JSGYMAS_401, USGyLOS_161, Wilkes_Site6, USGyLOS_130, USGyLOS_119, CIMMYT_8783, JSG_197, USGyLOS_109, USG_378, CIMMYT_11355, AP13_264, USMA_P56686, Benz_967, Beadle_Kato_S1, USG_374, CIMMYT_11374, Puga_11066, Puga_11060.

Table with 4 columns: Accession ID, coordinates, sequence, and reference sequence. Rows include CHI349, P1213793, OAX68, USG_II, MEX48, SIN2, PUE32, VEN453, GUA131, CHI160, MAG450, YUC7, APC13, SAN329, OAX70, GUA14, JSGYMAS_401, USGyLOS_161, Wilkes_Site6, USGyLOS_130, USGyLOS_119, CIMMYT_8783, JSG_197, USGyLOS_109, USG_378, CIMMYT_11355, USMA_P5686, Benz_967, Beadle_Kato_S1, USG_374, CIMMYT_11374, Puga_11066, Puga_11060.

Table with 4 columns: Accession ID, coordinates, sequence, and reference sequence. Rows include CHI349, P1213793, OAX68, USG_II, MEX48, SIN2, PUE32, VEN453, GUA131, CHI160, MAG450, YUC7, APC13, SAN329, OAX70, GUA14, JSGYMAS_401, USGyLOS_161, Wilkes_Site6, USGyLOS_130, USGyLOS_119, CIMMYT_8783, JSG_197, USGyLOS_109, USG_378, CIMMYT_11355, USMA_P56686, Benz_967, Beadle_Kato_S1, USG_374, CIMMYT_11374, Puga_11066, Puga_11060.

| | Z. mays ssp. parvulmuis | Z. mays ssp. mexicana | TB1 binding |
|----------------|-------------------------|----------------------------|----------------------------|
| CHI349 | 3377 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| P1213793 | 3378 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| OAX68 | 3388 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| URG_II | 3339 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| MEX48 | 3383 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| SIN2 | 3352 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| PUE32 | 3382 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| VEN453 | 3382 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| GUA131 | 3377 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| CHI160 | 3381 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| MA0450 | 3381 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| YUC7 | 3380 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| APC13 | 3379 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| GAW329 | 3378 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| OAX70 | 3386 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| GUA14 | 1829 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyMAS_401 | 3380 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyLOS_161 | 3378 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| Wilkes_Site6 | 3380 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyLOS_130 | 1443 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| USDA_P1566686 | 1433 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| CINMYT_8783 | 1415 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyG_197 | 1463 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyLOS_109 | 1442 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyG_378 | 1423 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| CINMYT_11355 | 1461 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyMAS_264 | 1436 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| USDA_P1566686 | 1433 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| BeadLe_Kato_S1 | 1750 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| JSyG_374 | 1467 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| CINMYT_11374 | 1441 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| Puga_11066 | 1451 | CGAGAGCTCATGCACACAGGGGG | CGAGAGCTCATGCACACAGGGGG |
| Puga_11066 | 1 | CGGGGTCACAGGGTACACACAGGGGG | CGGGGTCACAGGGTACACACAGGGGG |
| CHI349 | 3104 | TGGCC | ATGGATCAGCGCGTGGCC |
| P1213793 | 3105 | TGGCC | ATGGATCAGCGCGTGGCC |
| OAX68 | 3115 | TGGCC | ATGGATCAGCGCGTGGCC |
| URG_II | 3068 | TGGCC | ATGGATCAGCGCGTGGCC |
| MEX48 | 3110 | TGGCC | ATGGATCAGCGCGTGGCC |
| SIN2 | 3083 | TGGCC | ATGGATCAGCGCGTGGCC |
| PUE32 | 3106 | TGGCC | ATGGATCAGCGCGTGGCC |
| VEN453 | 3111 | TGGCC | ATGGATCAGCGCGTGGCC |
| GUA131 | 3106 | TGGCC | ATGGATCAGCGCGTGGCC |
| CHI160 | 3108 | TGGCC | ATGGATCAGCGCGTGGCC |
| MA0450 | 3108 | TGGCC | ATGGATCAGCGCGTGGCC |
| YUC7 | 3107 | TGGCC | ATGGATCAGCGCGTGGCC |
| APC13 | 3106 | TGGCC | ATGGATCAGCGCGTGGCC |
| GAW329 | 3109 | TGGCC | ATGGATCAGCGCGTGGCC |
| OAX70 | 3113 | TGGCC | ATGGATCAGCGCGTGGCC |
| GUA14 | 1576 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyMAS_401 | 3109 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_161 | 3107 | TGGCC | ATGGATCAGCGCGTGGCC |
| Wilkes_Site6 | 3109 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_130 | 1179 | TGGCC | ATGGATCAGCGCGTGGCC |
| USDA_P1566686 | 1179 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_8783 | 1176 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_197 | 1183 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_109 | 1166 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_378 | 1143 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_11355 | 1195 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyMAS_264 | 1174 | TGGCC | ATGGATCAGCGCGTGGCC |
| USDA_P1566686 | 1179 | TGGCC | ATGGATCAGCGCGTGGCC |
| BeadLe_Kato_S1 | 1535 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_374 | 1201 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_11374 | 1194 | TGGCC | ATGGATCAGCGCGTGGCC |
| Puga_11066 | 1180 | TGGCC | ATGGATCAGCGCGTGGCC |
| Puga_11066 | 111 | TGGCC | ATGGATCAGCGCGTGGCC |
| CHI349 | 3174 | TGGCC | ATGGATCAGCGCGTGGCC |
| P1213793 | 3175 | TGGCC | ATGGATCAGCGCGTGGCC |
| OAX68 | 3185 | TGGCC | ATGGATCAGCGCGTGGCC |
| URG_II | 3138 | TGGCC | ATGGATCAGCGCGTGGCC |
| MEX48 | 3180 | TGGCC | ATGGATCAGCGCGTGGCC |
| SIN2 | 3149 | TGGCC | ATGGATCAGCGCGTGGCC |
| PUE32 | 3182 | TGGCC | ATGGATCAGCGCGTGGCC |
| VEN453 | 3181 | TGGCC | ATGGATCAGCGCGTGGCC |
| GUA131 | 3176 | TGGCC | ATGGATCAGCGCGTGGCC |
| CHI160 | 3178 | TGGCC | ATGGATCAGCGCGTGGCC |
| MA0450 | 3178 | TGGCC | ATGGATCAGCGCGTGGCC |
| YUC7 | 3177 | TGGCC | ATGGATCAGCGCGTGGCC |
| APC13 | 3176 | TGGCC | ATGGATCAGCGCGTGGCC |
| GAW329 | 3179 | TGGCC | ATGGATCAGCGCGTGGCC |
| OAX70 | 3183 | TGGCC | ATGGATCAGCGCGTGGCC |
| GUA14 | 1642 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyMAS_401 | 3179 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_161 | 3177 | TGGCC | ATGGATCAGCGCGTGGCC |
| Wilkes_Site6 | 3179 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_130 | 1251 | TGGCC | ATGGATCAGCGCGTGGCC |
| USDA_P1566686 | 1251 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_8783 | 1238 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_197 | 1261 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_109 | 1244 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_378 | 1213 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_11355 | 1260 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyMAS_264 | 1240 | TGGCC | ATGGATCAGCGCGTGGCC |
| USDA_P1566686 | 1251 | TGGCC | ATGGATCAGCGCGTGGCC |
| BeadLe_Kato_S1 | 1603 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_374 | 1266 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_11374 | 1259 | TGGCC | ATGGATCAGCGCGTGGCC |
| Puga_11066 | 1248 | TGGCC | ATGGATCAGCGCGTGGCC |
| Puga_11066 | 146 | TGGCC | ATGGATCAGCGCGTGGCC |
| CHI349 | 3278 | TGGCC | ATGGATCAGCGCGTGGCC |
| P1213793 | 3279 | TGGCC | ATGGATCAGCGCGTGGCC |
| OAX68 | 3289 | TGGCC | ATGGATCAGCGCGTGGCC |
| URG_II | 3242 | TGGCC | ATGGATCAGCGCGTGGCC |
| MEX48 | 3284 | TGGCC | ATGGATCAGCGCGTGGCC |
| SIN2 | 3253 | TGGCC | ATGGATCAGCGCGTGGCC |
| PUE32 | 3293 | TGGCC | ATGGATCAGCGCGTGGCC |
| VEN453 | 3285 | TGGCC | ATGGATCAGCGCGTGGCC |
| GUA131 | 3280 | TGGCC | ATGGATCAGCGCGTGGCC |
| CHI160 | 3282 | TGGCC | ATGGATCAGCGCGTGGCC |
| MA0450 | 3282 | TGGCC | ATGGATCAGCGCGTGGCC |
| YUC7 | 3281 | TGGCC | ATGGATCAGCGCGTGGCC |
| APC13 | 3280 | TGGCC | ATGGATCAGCGCGTGGCC |
| GAW329 | 3287 | TGGCC | ATGGATCAGCGCGTGGCC |
| OAX70 | 3287 | TGGCC | ATGGATCAGCGCGTGGCC |
| GUA14 | 1742 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyMAS_401 | 3283 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_161 | 3281 | TGGCC | ATGGATCAGCGCGTGGCC |
| Wilkes_Site6 | 3283 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_130 | 1353 | TGGCC | ATGGATCAGCGCGTGGCC |
| USDA_P1566686 | 1353 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_8783 | 1335 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_197 | 1365 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyLOS_109 | 1348 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_378 | 1323 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_11355 | 1364 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyMAS_264 | 1340 | TGGCC | ATGGATCAGCGCGTGGCC |
| USDA_P1566686 | 1354 | TGGCC | ATGGATCAGCGCGTGGCC |
| BeadLe_Kato_S1 | 1577 | TGGCC | ATGGATCAGCGCGTGGCC |
| JSyG_374 | 1370 | TGGCC | ATGGATCAGCGCGTGGCC |
| CINMYT_11374 | 1359 | TGGCC | ATGGATCAGCGCGTGGCC |
| Puga_11066 | 1352 | TGGCC | ATGGATCAGCGCGTGGCC |
| Puga_11066 | 146 | TGGCC | ATGGATCAGCGCGTGGCC |

Iltis et al 125 129
INIFAP-JSG 378 149
INIFAP-JSG 374 149
CIMMYT-11355 149
TAK-Kato Site 4 149
BFB-Benz 967 149
HGW-Wilkes Site 149
INIFAP-JSG y LO 157
INIFAP-JSG y MA 149
GWB-BeadleKato 149
INIFAP-JSG y LO 149
NCRPIS-PI213793 150
CIMMYT-CHH160 150
NCRP-MAG450 150
INIFAP-YUC7 150
PCIM-APC13 150
NRC-SAN329 150
INIFAP-GUA14 150
CIMMYT-OAX70 150
INIFAP-OAX68 150
CIMMYT-URGI1 150
INIFAP-MX48 433
INIFAP-PUE32 433
NCRP-CHI349 150
CIMMYT-GUA131 150
ICA-VEN453 150
B73 149

TCTGGTGGTGGTGC GGCGGTGACGCCGTGCCGCTGCTGGTCTCAACCGGTGG-CTGGTGCTCATCACGTGG-CTGGGACTAGCTGC GGCGGGCGGCTCGCCACCGTGCAC
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Iltis et al 125 129
INIFAP-JSG 378 149
INIFAP-JSG 374 149
CIMMYT-11355 149
TAK-Kato Site 4 149
BFB-Benz 967 149
HGW-Wilkes Site 149
INIFAP-JSG y LO 157
INIFAP-JSG y MA 149
GWB-BeadleKato 149
INIFAP-JSG y LO 149
NCRPIS-PI213793 150
CIMMYT-CHH160 150
NCRP-MAG450 150
INIFAP-YUC7 150
PCIM-APC13 150
NRC-SAN329 150
INIFAP-GUA14 150
CIMMYT-OAX70 150
INIFAP-OAX68 150
CIMMYT-URGI1 150
INIFAP-MX48 541
INIFAP-PUE32 541
INIFAP-SIN2 150
NCRP-CHI349 150
CIMMYT-GUA131 150
ICA-VEN453 150
B73 149

CGCGACTATGGCGTCC-TCAACCGCGTGTTCACACACATCAGCGACACGGCAGCTACGCCACCCCTCTTCACCTGTGAGGCTATGACTTATACGGGATTTGGGCTTGGCG
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Iltis et al 125 129
INIFAP-JSG 378 149
INIFAP-JSG 374 149
CIMMYT-11355 149
TAK-Kato Site 4 149
BFB-Benz 967 149
HGW-Wilkes Site 149
INIFAP-JSG y LO 157
INIFAP-JSG y MA 149
GWB-BeadleKato 149
INIFAP-JSG y LO 149
NCRPIS-PI213793 150
CIMMYT-CHH160 150
NCRP-MAG450 150
INIFAP-YUC7 150
PCIM-APC13 150
NRC-SAN329 150
INIFAP-GUA14 150
CIMMYT-OAX70 150
INIFAP-OAX68 150
CIMMYT-URGI1 150
INIFAP-MX48 650
INIFAP-PUE32 653
INIFAP-SIN2 150
NCRP-CHI349 150
CIMMYT-GUA131 150
ICA-VEN453 150
B73 149

CAGTAGTITGGGCGTCCGCGTGATAGCGAGCGTTAGCGTAAGCAGTCCAGGTGAATTTGTTGAAACGGACCGGTTTAAAGCCCGGCTGATAACGGGCGGTGCTCGGGCT
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Iltis et al 125 129
INIFAP-JSG 378 149
INIFAP-JSG 374 149
CIMMYT-11355 149
TAK-Kato Site 4 149
BFB-Benz 967 149
HGW-Wilkes Site 149
INIFAP-JSG y LO 157
INIFAP-JSG y MA 149
GWB-BeadleKato 149
INIFAP-JSG y LO 149
NCRPIS-PI213793 150
CIMMYT-CHH160 150
NCRP-MAG450 150
INIFAP-YUC7 150
PCIM-APC13 150
NRC-SAN329 150
INIFAP-GUA14 150
CIMMYT-OAX70 150
INIFAP-OAX68 150
CIMMYT-URGI1 150
INIFAP-MX48 760
INIFAP-PUE32 763
INIFAP-SIN2 150
NCRP-CHI349 150
CIMMYT-GUA131 150
ICA-VEN453 150
B73 149

AGCCCAACGGGCTCAAATCTCTGTCGAGCCCGGCACGCTATCCGGGCCGGGCTAAGCCCGGCCCGCTTCATTCCGTGCCGGGCCGGGCTCGTGTCTGCTAAAAATCG
AGCCCAACGGGCTCAAATCTCTGTCGAGCCCGGCACGCTATCCGGGCCGGGCTAAGCCCGGCCCGCTTCATTCCGTGCCGGGCCGGGCTCGTGTCTGCTAAAAATCG

