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| Marker ID | Primer sequences (5'–3') |  |
|-----------|--------------------------|--|
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The information about KASP markers on 2BS

|              |           |                                                |
|--------------|-----------|------------------------------------------------|
| AX-109915345 | A_FAM     | GAAGGTGACCAAGTTCATGCTtcaagaaagTtgggaagctgatAtG |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTtcaagaaagTtgggaagctgatAtA |
|              | C_reverse | tcgtatgtatacccaccagaacta                       |
| AX-111764854 | A_FAM     | GAAGGTGACCAAGTTCATGCTAccataccacaccacGtcT       |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTAccataccacaccacGtcC       |
|              | C_reverse | actagggtctcgcatatggA                           |
| AX-86174319  | A_FAM     | GAAGGTGACCAAGTTCATGCTttaaattccagctttgaatgcttcC |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTttaaattccagctttgaatgcttcT |
|              | C_reverse | cttaagGctggaataatgcgC                          |
| AX-111622432 | A_FAM     | GAAGGTGACCAAGTTCATGCTttagctatgttagtgtCAatgccG  |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTttagctatgttagtgtCAatgccC  |
|              | C_reverse | actacaagttcatctcctaaacaaC                      |
| AX-110909599 | A_FAM     | GAAGGTGACCAAGTTCATGCTggcatgagctccggtacG        |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTggcatgagctccggtacA        |
|              | C_reverse | ccaccgaaatcataatgGgaCcT                        |
| AX-111140388 | A_FAM     | GAAGGTGACCAAGTTCATGCTtcccttcacagaaacccG        |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTtcccttcacagaaacccA        |
|              | C_reverse | ccggtgaaaaGtattgaagcaA                         |
| AX-111023848 | A_FAM     | GAAGGTGACCAAGTTCATGCTtctcatagtcattgcaatTCagtcT |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTtctcatagtcattgcaatTCagtcC |
|              | C_reverse | aaggtgttgtgtgctgtaaaatt                        |

The information about KASP markers on 3BS

|              |           |                                             |
|--------------|-----------|---------------------------------------------|
| AX-109990245 | A_FAM     | GAAGGTGACCAAGTTCATGCTcgcttcctttagccctcG     |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTcgcttcctttagccctcA     |
|              | C_reverse | agaaagaaggcctcagtttgaG                      |
| AX-110421157 | A_FAM     | GAAGGTGACCAAGTTCATGCTgcactatgcatgttttccaaAC |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTgcactatgcatgttttccaaAA |
|              | C_reverse | aagCtAaAGAtTAGaGAgagtggT                    |
| AX-110587489 | A_FAM     | GAAGGTGACCAAGTTCATGCTcctcttcagtggcggcgG     |
|              | B_HEX     | GAAGGTCGGAGTCAACGGATTcctcttcagtggcggcgA     |
|              | C_reverse | tgatgcgtgctaacattTacCT                      |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTactgcagaagagagaagaggaC |

|              |           |                                              |
|--------------|-----------|----------------------------------------------|
| AX-109526890 | B_HEX     | GAAGGTCGGAGTCAACGGATTactgcagaagagagaagaggaT  |
|              | C_reverse | acactattctccttgctgCG                         |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTaccagtctgcatcttaggactaA |
| AX-109310028 | B_HEX     | GAAGGTCGGAGTCAACGGATTaccagtctgcatcttaggactaG |
|              | C_reverse | gcaagcttagtggcaaaacataG                      |

The information about KASP markers on 5BS

|              |           |                                              |
|--------------|-----------|----------------------------------------------|
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTtctctgcagaagctgtcacA    |
| AX-111699590 | B_HEX     | GAAGGTCGGAGTCAACGGATTtctctgcagaagctgtcacG    |
|              | C_reverse | gTcGtCCGaActtattttccaC                       |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTtgatcatgtggtacTacgcaC   |
| AX-109431968 | B_HEX     | GAAGGTCGGAGTCAACGGATTtgatcatgtggtacTacgcaG   |
|              | C_reverse | gcctcgtaatttttgtgtgtctA                      |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTccaaagtgtgctccatctacA   |
| AX-89459127  | B_HEX     | GAAGGTCGGAGTCAACGGATTccaaagtgtgctccatctacG   |
|              | C_reverse | ttgtcaagagtggttttcccC                        |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTggggctcacaccAcctAtG     |
| AX-110578940 | B_HEX     | GAAGGTCGGAGTCAACGGATTggggctcacaccAcctAtA     |
|              | C_reverse | tggttatcgccgctaattga                         |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTatacgtcgcttgcttgcatT    |
| AX-86178260  | B_HEX     | GAAGGTCGGAGTCAACGGATTatacgtcgcttgcttgcatC    |
|              | C_reverse | caaatccaGggActTaaggcG                        |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTacaaaaacctcgacatATcatCG |
| AX-110049418 | B_HEX     | GAAGGTCGGAGTCAACGGATTacaaaaacctcgacatATcatCA |
|              | C_reverse | attccatcttatgctatgtAtgTGC                    |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTaaaccatcacgGgccatcG     |
| AX-110459969 | B_HEX     | GAAGGTCGGAGTCAACGGATTaaaccatcacgGgccatcA     |
|              | C_reverse | gatgctcctgtcggtctttG                         |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTcatttGtcatggcAccggatT   |
| AX-110578028 | B_HEX     | GAAGGTCGGAGTCAACGGATTcatttGtcatggcAccggatC   |
|              | C_reverse | accactcctgttaccttgctcatA                     |
|              | A_FAM     | GAAGGTGACCAAGTTCATGCTagtatggacggacacctttaaA  |
| AX-111557664 | B_HEX     | GAAGGTCGGAGTCAACGGATTagtatggacggacacctttaaT  |
|              | C_reverse | agcgcatcactgattaatatcC                       |

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