

| Panel | Chr | ChrLength(Mb) | Marker     | ChrLoc(Mb) | Predicted Length | B6 Length | BALB/c Length | Forward Primer              | Reverse Primer                | Vendor   | Color | Row | Column |
|-------|-----|---------------|------------|------------|------------------|-----------|---------------|-----------------------------|-------------------------------|----------|-------|-----|--------|
| C1    | 1   | 197.2         | d1mit169.1 | 24.07      | 220              | 218       | 222           | CIDR                        | CIDR                          | ABI-CIDR | NED   | B   | 3      |
| A1    | 1   |               | d1mit161   | 59.28      | 112              | 113       | 109           | ACCAGCCCTCCTTTTTGT          | CTTGCCCTTTCAGGCACCT           | Sigma    | 6FAM  | A   | 1      |
| G1    | 1   |               | d1mit436   | 76.82      | 120              | 116       | 110           | ACTAACTACACCATTCTGAACACA    | ACTTATCAAACATCATCTAATCACTGC   | Sigma    | 6FAM  | C   | 7      |
| A2    | 1   |               | d1mit493   | 111.87     | 109              | 108       | 100           | TACCAAATCGTTGTGTTAAAATTTG   | TTCATGTATGTCTGTATGTTTCATTCA   | ABI      | NED   | C   | 9      |
| B1    | 1   |               | d1mit494   | 128.61     | 218              | 216       | 233           | AAATGTTTCTGCCAAACTA         | AGCTCTAGCCCTGACATATTAT        | Sigma    | 6FAM  | G   | 1      |
| B2    | 1   |               | d1mit159.1 | 161.59     | 206              | 206       | 144           | CIDR                        | CIDR                          | ABI-CIDR | VIC   | G   | 10     |
| B1    | 1   |               | d1mit355   | 175.34     | 109              | 115       | 102           | TAGAAAGACCTTTTCTCAAATAGTGTG | TAGGAAGCTGTTTGTGTTTACACA      | ABI      | NED   | F   | 1      |
| D2    | 1   |               | d1mit292.1 | 193.23     | 212              | 210       | 208           | CIDR                        | CIDR                          | ABI-CIDR | 6FAM  | G   | 11     |
| E1    | 2   | 181.75        | d2mit1     | 3.80       | 123              | 131       | 126           | CTTTTTCGTATGTGGTGGG         | AACATTGGCCCTCTATGCAC          | ABI      | NED   | C   | 5      |
| B1    | 2   |               | d2mit365   | 27.66      | 100              | 108       | 112           | GAGATCCCCTGATGATACAAGC      | AGATGTGCCCAAGGGTCC            | ABI      | VIC   | E   | 2      |
| G2    | 2   |               | d2mit372   | 35.96      | 119              | 126       | 124           | GAAGACTGAGTCACAACCTTCTCTCC  | CGGAAGTGGAGAAAAGTTACCC        | Sigma    | 6FAM  | G   | 13     |
| F2    | 2   |               | d2mit327.1 | 69.30      | 126              | 129       | 133           | TAGGGGATCTGATGCCTCTG        | GCCATTGAGCACTTTTGTAT          | ABI      | NED   | E   | 13     |
| A1    | 2   |               | d2mit272   | 90.36      | 116              | 124       | 136           | CTCACATTCTGCTTTTCTCTGC      | TACTGTACTGATCTGATCATTCTTACATA | ABI      | NED   | B   | 1      |
| C2    | 2   |               | d2mit395   | 119.35     | 125              | 132       | 139           | AGGTCAGCCTGGACTATATGG       | AGCATCCATGGGATAATGGT          | ABI      | NED   | C   | 11     |
| A1    | 2   |               | d2mit525   | 131.51     | 119              | 207       | 213           | CACCTGACATCGACCTCTGA        | AGACCTGTGTGCCATACACATG        | Sigma    | 6FAM  | C   | 1      |
| B1    | 2   |               | d2mit285.1 | 152.68     | 151              | 152       | 162           | CIDR                        | CIDR                          | ABI-CIDR | NED   | H   | 1      |
| C1    | 2   |               | d2mit148.1 | 178.54     | 116              | 115       | 127           | CIDR                        | CIDR                          | ABI-CIDR | 6FAM  | C   | 3      |
| C1    | 3   | 159.6         | d3mit221   | 7.89       | 146              | 146       | 159           | ATATAAGGACATAAACAGGCATTTCT  | AAAATGTAGATCCCTTCATACATGC     | Sigma    | 6FAM  | D   | 3      |
| C1    | 3   |               | d3mit325   | 28.53      | 109              | 117       | 112           | ACTGCAACACTTGGAAATGTCC      | ATGGCAACAGTTGTAGCCC           | ABI      | NED   | E   | 3      |
| A2    | 3   |               | d3mit182   | 50.38      | 151              | 163       | 145           | TTATCTTGTGGGAGGTTGG         | AGAGAAGTAACTCCTTTAAGTTGTCC    | ABI      | VIC   | D   | 9      |
| B1    | 3   |               | d3mit154   | 68.61      | 145              | 146       | 141           | TGGAGGTTTGGAAAGTGGC         | AGAGTGTCTAGATGCCTGCC          | Sigma    | 6FAM  | F   | 2      |
| A1    | 3   |               | d3mit98.1  | 85.99      | 95               | 93        | 97            | CIDR                        | CIDR                          | ABI-CIDR | NED   | E   | 1      |
| A1    | 3   |               | d3mit57.1  | 115.53     | 167              | 167       | 165           | CIDR                        | CIDR                          | ABI-CIDR | VIC   | D   | 1      |
| A1    | 3   |               | d3mit147.1 | 148.41     | 268              | 266       | 274           | CIDR                        | CIDR                          | ABI-CIDR | VIC   | A   | 2      |
| E1    | 4   | 155.63        | d4mit235   | 8.26       | 116              | 118       | 101           | AGGCCAAAGGTTGGATTCT         | GAGACTGAAATTGAAGCATTAGG       | ABI      | NED   | D   | 5      |
| D1    | 4   |               | d4mit268   | 20.54      | 148              | 151       | 149           | TAATCTGATCCAAACACTAAATCAGA  | GCAGCCTTATGGAACTTTCA          | Sigma    | 6FAM  | H   | 3      |
| H2    | 4   |               | d4mit196   | 39.40      | 187              | 196       | 204           | TTGACTGGTCTTATATATCTCTATCCC | TATATTAATGCTAACTGCTAAGCACATA  | Sigma    | 6FAM  | B   | 15     |
| H1    | 4   |               | d4mit288   | 56.78      | 116              | 118       | 103           | TATGCATTAGTCTAGGTGGTAACAGC  | TTAGCCATGTAGGCAATGCA          | ABI      | NED   | G   | 7      |
| B1    | 4   |               | d4mit80    | 79.25      | 169              | 169       | 159           | CTCTTCTCACGTCCTTAGTTAAGC    | GAGTGTGCCCTCCACATTTT          | ABI      | VIC   | G   | 2      |
| D1    | 4   |               | d4mit31    | 106.79     | 121              | 124       | 114           | ACGAGTTGTCTCTGATCAACA       | AGCCAGAGCAAAACCAACT           | ABI      | NED   | G   | 3      |
| B1    | 4   |               | d4mit203.1 | 129.25     | 98               | 96        | 106           | CIDR                        | CIDR                          | ABI-CIDR | 6FAM  | H   | 2      |
| D1    | 5   | 152.54        | d5mit193   | 4.23       | 136              | 138       | 136           | TGTCTTAAAGTGGCCAGG          | TGTTTTCTATGTGTTTTATATGCTTCA   | ABI      | VIC   | G   | 4      |
| E1    | 5   |               | d5mit387.1 | 28.68      | 187              | 187       | 195           | CIDR                        | CIDR                          | ABI-CIDR | NED   | E   | 5      |
| F1    | 5   |               | d5mit81    | 50.72      | 210              | 206       | 193           | GGGAGTTCAGGTTCAATGA         | ATGTGCATTATGGCATGTAATG        | Sigma    | 6FAM  | G   | 5      |
| C2    | 5   |               | d5mit309.1 | 79.93      | 141              | 138       | 144           | CIDR                        | CIDR                          | ABI-CIDR | 6FAM  | E   | 11     |
| C2    | 5   |               | d5mit239   | 107.84     | 146              | 155       | 126           | ATTGCAGACATAAAGGATATTTTGG   | GCCAGCCTGGCTTACATAAG          | ABI      | VIC   | D   | 11     |
| F1    | 5   |               | d5mit137   | 123.73     | 150              | 159       | 156           | ATCACAAATGTATTGTAGACCTCTGA  | GGGAGGATTTAGAGGGAGA           | ABI      | NED   | H   | 5      |
| D1    | 5   |               | d5mit98.1  | 138.66     | 188              | 187       | *193          | CIDR                        | CIDR                          | ABI-CIDR | NED   | F   | 4      |
| C2    | 6   | 149.52        | d6mit166   | 5.32       | 100              | 100       | 114           | CATTTTATTTATTTGATGGATGTGTG  | GTTGTCTTATGGCTGCCATG          | Sigma    | 6FAM  | B   | 12     |
| D1    | 6   |               | d6mit307   | 29.07      | 99               | 99        | 92            | TTTTAATCTTTTGCCTCTTTCTCG    | TGGGCTCAGGCACCTTCTTAT         | Sigma    | 6FAM  | H   | 4      |
| F1    | 6   |               | d6mit274   | 48.68      | 113              | 109       | 89            | GCAATGCCAAATGTTCAAA         | TCCTTCTCCATTTACACTTACAACA     | Sigma    | 6FAM  | F   | 6      |
| C1    | 6   |               | d6mit71    | 73.05      | 142              | 148       | 141           | TCAACAATAAGCCTCCAAGATG      | ATGTGATTCCAACCTTAAACG         | ABI      | VIC   | F   | 3      |
| C2    | 6   |               | d6mit36.1  | 104.45     | 214              | 213       | 194           | CIDR                        | CIDR                          | ABI-CIDR | 6FAM  | F   | 11     |
| D2    | 6   |               | d6mit59    | 138.92     | 169              | 166       | 179           | GCCATCCTTTGTAATAACAAACA     | CGTCTGGGAAAACCTCAAAA          | Sigma    | 6FAM  | H   | 11     |
| D1    | 7   | 152.52        | d7mit152   | 4.65       | 129              | 122       | 118           | GCCTAGCACACGCCAAAG          | CCTTGTGCATGGTTGCTATG          | Sigma    | 6FAM  | A   | 5      |
| G1    | 7   |               | d7mit155   | 31.96      | 148              | 146       | 167           | GTTGGAGAAATGACACCATGG       | ACTTTACACACTGATCACTTTTTCAGC   | Sigma    | 6FAM  | D   | 7      |
| G2    | 7   |               | d7mit228   | 47.28      | 147              | 144       | 133           | ATTCCTGGCCTTTTCTTGTAAACA    | AAACCTCCCACTGACTTCCA          | Sigma    | 6FAM  | H   | 13     |
| C1    | 7   |               | d7mit317   | 79.64      | 102              | 97        | 91            | ATGTCTCCTTGACATTGGGC        | TCTTGAATCTCACATCTAAGTGTGTG    | Sigma    | 6FAM  | B   | 4      |
| D1    | 7   |               | d7mit183   | 101.65     | 143              | 154       | 151           | TTCAAAATACATATGGCTGGCA      | TATAGATGCAGACTTCTGTAATCTTG    | ABI      | VIC   | B   | 5      |
| C2    | 7   |               | d7mit98.1  | 122.06     | 186              | 186       | 180           | CIDR                        | CIDR                          | ABI-CIDR | 6FAM  | C   | 12     |
| D2    | 7   |               | d7mit71    | 138.17     | 117              | 118       | 111           | CCACCTGGAATACATGTAACCC      | TAAGATCCAAGAGATGGGTTAAGC      | Sigma    | 6FAM  | F   | 12     |
| A1    | 8   | 131.74        | d8mit124.1 | 14.72      | 129              | 124       | 130           | CAACTGTGTATCATAAATGGGAA     | GAAGAATCACTCAGCAGTGTATGG      | Sigma    | 6FAM  | B   | 2      |
| C2    | 8   |               | d8mit339   | 41.39      | 123              | 118       | 100           | ACCTATGGTACACACACATCGC      | CAAACATTTTATGGCATTAGATCC      | ABI      | NED   | E   | 12     |

|    |    |        |             |        |     |     |      |                                |                              |          |      |   |    |
|----|----|--------|-------------|--------|-----|-----|------|--------------------------------|------------------------------|----------|------|---|----|
| A2 | 8  |        | d8mit178.1  | 73.57  | 169 | 169 | 179  | CIDR                           | CIDR                         | ABI-CIDR | NED  | E | 9  |
| D1 | 8  |        | d8mit45.1   | 89.83  | 95  | 96  | 101  | CIDR                           | CIDR                         | ABI-CIDR | VIC  | A | 6  |
| C2 | 8  |        | d8mit211    | 105.24 | 149 | 160 | 170  | CAGAACTGCTCTGAAAAGTCC          | TACCACAAAACCTGTATTTAAATTA    | ABI      | NED  | D | 12 |
| B2 | 9  | 124.08 | d9_14.1     | 14.13  | 288 | 288 | 279  | GGCCATGAAAGTGAATGATGATAGGTG    | GCTGTGAACATAAAGGCAAGCGTTC    | Sigma    | 6FAM | H | 9  |
| F1 | 9  |        | d9mit2.1    | 37.20  | 191 | 190 | 197  | CIDR                           | CIDR                         | ABI-CIDR | NED  | G | 6  |
| A2 | 9  |        | d9mit4      | 51.93  | 122 | 120 | 127  | TGCTGAGCAAGCTATGAGGA           | GACAGCCCATCACAGCTACA         | Sigma    | 6FAM | F | 9  |
| G1 | 9  |        | d9mit336.1  | 65.43  | 175 | 176 | 159  | CIDR                           | CIDR                         | ABI-CIDR | NED  | E | 7  |
| E1 | 9  |        | d9mit196    | 85.79  | 143 | 143 | 156  | GCCTTCTGTTCAGAACTTCTTG         | TCTGTATTTAAGCATGCATGTGC      | Sigma    | 6FAM | B | 6  |
| C1 | 9  |        | d9mit76     | 95.54  | 111 | 118 | 109  | GTTCCAGAAAGGAATGAAACC          | TTGAGACTGCTAAGGTATCTGGC      | ABI      | VIC  | C | 4  |
| E1 | 9  |        | d9mit151    | 121.39 | 114 | 116 | 106  | TGGTCAAAGGTGTGGTATCGA          | AAAACCTCAGCATCCAATGGG        | Sigma    | 6FAM | F | 5  |
| H1 | 10 | 129.99 | d10mit298   | 8.51   | 150 | 152 | 167  | TCCTGTCTCACTGACTGTCTTCC        | AAACAACCAGGCTCCCAAG          | Sigma    | 6FAM | H | 7  |
| G1 | 10 |        | d10mit213.1 | 20.13  | 260 | 257 | 242  | CIDR                           | CIDR                         | ABI-CIDR | NED  | F | 7  |
| E1 | 10 |        | d10mit15    | 66.48  | 176 | 176 | 168  | ATGCGTACAGGCCAAAACACC          | GCTACATTGGTCTGTGACGC         | Sigma    | 6FAM | C | 6  |
| E2 | 10 |        | d10mit117   | 87.03  | 124 | 119 | 121  | ACTTCCACACATGAGTCATAGCA        | CCAGTTGTCTTTCTTGGTTTTG       | ABI      | NED  | B | 13 |
| F1 | 10 |        | d10mit233.1 | 113.82 | 136 | 133 | 114  | CIDR                           | CIDR                         | ABI-CIDR | NED  | H | 6  |
| A2 | 10 |        | d10mit271   | 123.78 | 117 | 112 | 108  | ACAACCAAAGGCTTTGTAGAAGA        | AATATATAGGCACACCTTAATAGCCA   | Sigma    | 6FAM | B | 10 |
| H1 | 11 | 121.84 | d11mit71    | 6.83   | 211 | 210 | 218  | GCCATACCTGGTAGCGTGT            | AATTTTCAGATGTAGCCATAAGCC     | Sigma    | 6FAM | G | 8  |
| G1 | 11 |        | d11mit306   | 20.12  | 119 | 127 | 137  | GCTCCCACCCCATGTAAC             | GGGCTACACAGAGAAAAACCC        | ABI      | VIC  | B | 8  |
| H2 | 11 |        | d11mit235   | 44.19  | 180 | 178 | 194  | GAGAGGGCAGTAGCAGCAAC           | ATTTATGAGAAGGTCTGAAGGGC      | ABI      | NED  | C | 15 |
| H1 | 11 |        | d11mit4     | 68.42  | 248 | 177 | 170  | CAGTGGGTATCAGTACAGCA           | AAGCCAGCCAGTCTTCATA          | ABI      | VIC  | F | 8  |
| H1 | 11 |        | d11mit213   | 94.41  | 140 | 150 | 152  | ACGCCCATAGGTGCTTTG             | AAGAAGCATTTTGTAGCAAGAGC      | ABI      | VIC  | H | 8  |
| D2 | 11 |        | d11mit166   | 105.28 | 144 | 149 | 151  | CATTAGATAACCAAGCCACACC         | GAGATCCTTTGGGGTGACAA         | ABI      | VIC  | G | 12 |
| B2 | 12 | 121.26 | d12mit170   | 16.39  | 113 | 113 | *136 | CTGAATCCCCCTCAATTCT            | AATCCTTAAGATGCTCAAGTCCC      | Sigma    | 6FAM | G | 10 |
| G1 | 12 |        | d12mit60.1  | 35.47  | 121 | 118 | 113  | CIDR                           | CIDR                         | ABI-CIDR | NED  | D | 8  |
| A2 | 12 |        | d12mit54    | 54.96  | 150 | 151 | 144  | TGGTGAAATCACTCCTTTGG           | CCCTGTGCTGGTAGGTGTG          | Sigma    | 6FAM | C | 10 |
| H1 | 12 |        | d12mit116   | 81.10  | 117 | 116 | 122  | CATATCCTCGGAGCCAAA             | TAAAGGAAACATCTCCTCTCC        | Sigma    | 6FAM | A | 9  |
| G1 | 12 |        | d12mit18    | 114.49 | 154 | 159 | 163  | CATGCATGTGAAGCTTAGAAGC         | TGGCTGTCTTCTGGTGC            | ABI      | VIC  | C | 8  |
| A2 | 13 | 120.28 | d13mit303   | 17.60  | 123 | 126 | 117  | AGTTCAAGTTTGAGACAGATTCAAG      | TTCTCTCGCTTCATAAAGTCCC       | ABI      | NED  | D | 10 |
| C1 | 13 |        | d13mit88    | 38.86  | 169 | 135 | 147  | ACTGATGGCTCATGAGACCC           | AAAATTAATAGAACTGCAAGGG       | ABI      | NED  | D | 4  |
| G1 | 13 |        | d13mit113.1 | 56.58  | 157 | 157 | 139  | CIDR                           | CIDR                         | ABI-CIDR | 6FAM | E | 8  |
| B1 | 13 |        | d13mit254   | 76.12  | 139 | 139 | 116  | TCCAAGAATCTTGAACATATTTGTG      | GGGAAATCCAGTTATATAATCA       | Sigma    | 6FAM | A | 3  |
| G2 | 13 |        | d13mit144.1 | 96.87  | 138 | 136 | 140  | CIDR                           | CIDR                         | ABI-CIDR | VIC  | G | 14 |
| B2 | 14 | 125.19 | c14_10_31   | 14.65  | 204 | 202 | *187 | GCACCTACATAATACACGTGAGCACACATA | CAAGAGGCTACAGCAGAGGCTATCAATG | Sigma    | 6FAM | F | 10 |
| H1 | 14 |        | d14mit174   | 32.46  | 146 | 149 | 153  | ACTGCAGAGTCCACACAAGTG          | TCTGAGCCACTATGCCTGG          | ABI      | NED  | B | 9  |
| E1 | 14 |        | d14mit233   | 52.80  | 200 | 203 | 189  | TGCCCTCAAAAAACAGGGTTG          | TGTTGTTTTGTGCTGTATATGTTTTG   | ABI      | VIC  | D | 6  |
| G2 | 14 |        | d14mit35    | 79.56  | 221 | 231 | 229  | TGTGACTCTAGCTTTGAGTGAGTG       | AGGCCACCCAGTGTATCAAG         | Sigma    | 6FAM | H | 14 |
| H1 | 14 |        | d14mit197   | 105.72 | 101 | 98  | 93   | TCCCATAGCAAATCTCTAGGTAGG       | CATTCTGCAATAGATTTCTTGGG      | Sigma    | 6FAM | A | 10 |
| F2 | 15 | 103.49 | d15mit177   | 12.33  | 117 | 124 | 126  | CCTGGATAACAGGCTGAGTTG          | TTGAGAACAGCATCTGTCCG         | Sigma    | 6FAM | F | 13 |
| D2 | 15 |        | d15mit56    | 35.75  | 100 | 101 | 107  | CTTGTGGTTTCTCAACTGTTTCC        | AAGTCACATGGGTATGGATATGG      | Sigma    | 6FAM | H | 12 |
| E2 | 15 |        | d15mit270   | 63.35  | 200 | 205 | 194  | ATGAGGCTCAATAAGATAAGATGTG      | GTTGCTACTGTAATGTCTCCTGTG     | ABI      | NED  | C | 13 |
| A1 | 15 |        | d15mit159.1 | 87.30  | 146 | 149 | 120  | CACAGGCATACATAGAAATGTGC        | CAACTGTGCAGGGTCTACTGAGG      | ABI      | VIC  | C | 2  |
| H2 | 16 | 98.32  | d16mit181   | 6.32   | 109 | 111 | 119  | CTGTGTGAACGTGTTAGTATGTATGC     | CATGGTTGACAATTGGCTTG         | Sigma    | 6FAM | D | 15 |
| A2 | 16 |        | d16mit60.1  | 32.70  | 213 | 212 | 218  | CIDR                           | CIDR                         | ABI-CIDR | VIC  | E | 10 |
| E2 | 16 |        | d16mit15    | 49.49  | 139 | 140 | 145  | TTCATTATACCTGCAAGTG            | CTGAAGCTGTTAAATGCTGCC        | Sigma    | 6FAM | D | 13 |
| F2 | 16 |        | d16mit139.1 | 65.67  | 155 | 154 | 179  | CIDR                           | CIDR                         | ABI-CIDR | 6FAM | E | 14 |
| E1 | 16 |        | d16mit153.1 | 87.58  | 153 | 152 | 154  | CIDR                           | CIDR                         | ABI-CIDR | VIC  | E | 6  |
| E2 | 16 |        | d16mit86    | 93.13  | 128 | 122 | 116  | TAATGTGGCAAGCAACAAA            | GCATGTTCCATGTGTCTGG          | Sigma    | 6FAM | B | 14 |
| B2 | 17 | 95.27  | d17mit57    | 10.06  | 300 | 302 | 321  | GCTGATAAACGTGGTGGCTT           | GTTTAGTGGCTTCAAGTCAACC       | Sigma    | 6FAM | H | 10 |
| A1 | 17 |        | d17mit103   | 34.32  | 147 | 153 | 164  | TACCACCTGGCTACACCTC            | GCAATGCTTAGGTTAAAGCAGG       | ABI      | NED  | D | 2  |
| H2 | 17 |        | d17mit70    | 52.83  | 154 | 151 | 160  | TGGAATAGTTTCTGGAATTTTG         | CATAAGAAGGCATGGAAGAAGG       | Sigma    | 6FAM | A | 16 |
| F1 | 17 |        | d17mit42    | 79.72  | 155 | 156 | 160  | GATCATCTCTGAATCCCCCA           | GGACAGAAGTGGCTCCAAAG         | Sigma    | 6FAM | A | 7  |
| E2 | 17 |        | d17mit123   | 93.60  | 133 | 136 | 142  | CACAAGGAGGGAGCCTGTAG           | CACCGTAAGACTAATAAAGGGG       | ABI      | NED  | C | 2  |
| D2 | 18 | 90.77  | d18mit146   | 12.56  | 143 | 143 | 134  | ATGTCCTCTGCTCTTTAGTTACC        | GGACCACAGAGTCATTCCGT         | Sigma    | 6FAM | A | 13 |
| H2 | 18 |        | d18mit95    | 28.61  | 112 | 116 | 112  | TTCTCCAATGTGATAATTTGTTGG       | GAAAGAACACCACAGTTAATGG       | ABI      | VIC  | B | 16 |

|    |    |        |            |        |     |     |     |                             |                             |          |      |   |    |
|----|----|--------|------------|--------|-----|-----|-----|-----------------------------|-----------------------------|----------|------|---|----|
| F1 | 18 |        | d18mit123  | 56.13  | 117 | 116 | 125 | GGAATATATTACAGAAGAAAGCACAGG | TCTGACACTGACTGGAACACTACACA  | Sigma    | 6FAM | B | 7  |
| B2 | 18 |        | d18mit186  | 72.18  | 125 | 93  | 73  | AAGTGTGGGCAAAGGCTAA         | CTTTAGTATAGTGTGCATGAGTGTGA  | Sigma    | 6FAM | A | 11 |
| D2 | 19 | 61.34  | d19mit68   | 3.65   | 132 | 132 | 117 | CCAATACAAATCAGACTCAATAGTGC  | AGGGTCTCCCATCTTCCTA         | ABI      | NED  | A | 14 |
| C1 | 19 |        | d19mit41   | 18.75  | 164 | 168 | 157 | AGCCCTCCACCCAGTTTC          | TCTGGGGAAAAAGGATGAGA        | ABI      | VIC  | C | 4  |
| G2 | 19 |        | d19mit65   | 38.98  | 178 | 181 | 191 | ATGTGAAAGTGTGCCTAGTGC       | TCACCTTCTCTCCTTCCC          | Sigma    | 6FAM | A | 15 |
| B2 | 19 |        | d19mit137  | 59.21  | 119 | 119 | 124 | GTCCTCTTTGTCCCATTT          | TTAATGCTGGTCTACAAACACC      | ABI      | VIC  | B | 11 |
| F1 | X  | 166.65 | dxmit55    | 6.94   | 137 | 147 | 151 | CTGCTCCAGAATATTCACTACTCC    | AAAACATCCATTTATGTTAACACACA  | ABI      | VIC  | A | 8  |
| F2 | X  |        | dxmit60    | 75.80  | 102 | 108 | 106 | AATGCCTGGTCTTAGAGGATG       | CAGCAACAAGAGATTTTCATGC      | ABI      | VIC  | F | 14 |
| H2 | X  |        | dxmit114   | 95.34  | 146 | 156 | 162 | ATGGCATCCACAGTACCACA        | GTAAAATCAATTTGTGAATAAGGAAGC | ABI      | VIC  | C | 16 |
| B1 | X  |        | dxmit172.1 | 119.20 | 219 | 217 | 200 | CIDR                        | CIDR                        | ABI-CIDR | VIC  | A | 4  |
| E2 | X  |        | dxmit216.1 | 140.34 | 129 | 129 | 135 | CIDR                        | CIDR                        | ABI-CIDR | VIC  | D | 14 |
| B2 | X  |        | dxmit121.1 | 157.87 | 127 | 123 | 104 | CIDR?                       | CIDR                        | ABI-CIDR | NED  | A | 12 |

## Notes:

1. Based on NCBI Build v37.1
2. Dyes- VIC (Applied Biosystems) excitation  $\lambda=488$  nm, emission  $\lambda=552$  nm (green)  
NED excitation  $\lambda=_$  nm, emission  $\lambda=_$  nm (yellow)  
6FAM excitation  $\lambda=_$  nm, emission  $\lambda=_$  nm (blue)
3. CIDR markers are proprietary, and primer sequences are not publicly available.