**Gene Scaffold starting nucleotide**

**BZIP60 no hits NA**

WRKY 3 scaffold00003 523546

1)

For Primer TGCACAATCCAAAGCAAGTAGT

Rev Primer GAATAAATCGGTATCTGCAGGG

Repeats (tc) x19 PCR product = 210 bp start at base 360333

2)

For Primer AGAGGCTCTCGACTGAATTACG

Rev Primer AATCTTTCGTATCTGCAAGCGT

Repeats (tc) x12 PCR product = 273 bp start at base 526353

3)

For Primer ACAGGTTGATGGCAGTTTTTCT

Rev Primer GCAAATTCGGTAAACCTTTCTG

Repeats (ga) x16 PCR product = 256 bp start at base 639393

**RBOHD & E scaffold00029 218264**

1)

For Primer TAATTCCGATCCCTTGTTAGGA

Rev Primer CATGCACAAATCAATGAGACAG

Repeats (at) x12 PCR product = 299 bp start at base 214183

2)

For Primer AGGCTCCAATGTATCAGCTTGT

Rev Primer TTATGATATTCCCAAGGCATCC

Repeats (ct) x11 PCR product = 269 bp start at base 186859

3)

For Primer TCCACGTGCTACACTGGATATT

Rev Primer TCTGATCGACCACACTGGTAAC

Repeats (ga) x11 PCR product = 283 bp start at base 240204

**BIP1 scaffold00039 19056**

1)

For Primer CTCTCTACCGTCCTCTCTCTCG

Rev Primer CAGGGTAATGCTCGAAACCTAC

Repeats (tc) x12 PCR product = 195 bp start at base 11771

2)

For Primer AGTTTTTGGGGGTAAAGTTCGT

Rev Primer AACGAACGAACGAAGAAGAAGA

Repeats (ct) x21 PCR product = 241 bp start at base 445759

3)

For Primer AGAAAAATATGACAGGCCAACC

Rev Primer TGTTCTTCTGGCTTTTCTGTGA

Repeats (ct) x11 PCR product = 251 bp start at base 88869

**MBF1**  **scaffold00048 143168**

1)

For Primer ATGCTTCCCATCCACAAAAA

Rev Primer CATCCTCTGTGCTTAAGTGAGAAA

Repeats (ga) x29 PCR product = 292 bp start at base 215261

2)

For Primer AGATGCCCAAGAACTGAAAGAC

Rev Primer GAAAAGCCATTTACAGGTGAGG

Repeats (ca) x11 PCR product = 225 bp start at base 195895

3)

For Primer GCTTGGCTGGGTTGATATTTTA

Rev Primer CTCTTTAACAATGGGAGATGCG

Repeats (tg) x10 PCR product = 199 bp start at base 149104

**H2A.Z aka HTA11 scaffold00069 210002**

1)

For Primer AAAGGAAGACGAAGGAAAGGAC

Rev Primer CATTTGCTTCTCAATGTGCTTC

Repeats (ag) x14 PCR product = 251 bp start at base 174681

2)

For Primer TCTGCCTTGGCTACTGTACTGA

Rev Primer GCCTTAGAGGCAACCCTAAAAT

Repeats (ct) x12 PCR product = 298 bp start at base 255709

3)

For Primer GGAGTTTGTGAAACCCATCAAT

Rev Primer AGGCACAGATCAAGTTGTCTCA

Repeats (tct) x9 PCR product = 271 bp start at base 191381

4)

For Primer CACTGTTTCTAAACGGAGGACC

Rev Primer GAAAATATCTGAAGCGCAATCC

Repeats (ct) x11 PCR product = 140 bp start at base 188537

**CNGC2 & CNGC4 scaffold00079 454875**

1)

For Primer AAAAGTTGTTGGGGTCTCATTG

Rev Primer ATCATATCGGGTCTGTGCTCTT

Repeats (ct) x12 PCR product = 258 bp start at base 354083

2)

For Primer AAACCAGTGGGTATTGGTATCG

Rev Primer GTGAGAAAATGGAGCCACCTAC

Repeats (ag) x11 PCR product = 202 bp start at base 400833

3)

For Primer GGGAGTGGAACTCAAGACCTTA

Rev Primer TGGAGTTTGAAACATGTAGCGT

Repeats (tc) x10 PCR product = 216 bp start at base 391932

**CAT1 scaffold00093 257633**

1)

For Primer GAAAAATCAGCCCCAAAAGAG

Rev Primer ATAATCGTCCCCACTTACAACG

Repeats (ga) x19 PCR product = 165 bp start at base 210233

2)

For Primer TCTTCCTCTTCTTCGTCTCTGC

Rev Primer CGTACGAAACCCAACCTACAAT

Repeats (ct) x15 PCR product = 258 bp start at base 287837

3)

For Primer AGAGAAACGAGAGCGTGAGAAT

Rev Primer GATCCAACAGCTGGGACTTAAC

Repeats (aga) x7 PCR product = 216 bp start at base 310063

**HSFA2 scaffold00109 280808**

1)

For Primer CACGCAACATGTACACAACAAC

Rev Primer CTAGTGTCGAGGGCCATTTATC

Repeats (tg) x12 PCR product = 285 bp start at base 338991

2)

For Primer GCGCACCTCACTATTTCTCTCT

Rev Primer ACCTAGCAACAAAGCAAGTTCC

Repeats (tc) x11 PCR product = 276 bp start at base 344493

3)

For Primer CTCGTGATTACCATTTTACGCA

Rev Primer GATTATCAGCGAAACCCAGAAG

Repeats (ag) x7 PCR product = 263 bp start at base 249697

**ETR1 scaffold00112 122565**

1)

For Primer ACATGCACATAGTTGGAAATCG

Rev Primer GCAGCAGCTCTCTCTCTCTCTC

Repeats (ga) x35 PCR product = 287 bp start at base 111935

2)

For Primer CTCCTCTCTCGCAATCTCTCTC

Rev Primer AGAGAACGCGAAGTCATACACA

Repeats (ca) x14 PCR product = 230 bp start at base 112695

3)

For Primer TTTAAGGTCCACTGCAAGGATT

Rev Primer ACACGTTTTGAACACATTGGAC

Repeats (tg) x12 PCR product = 283 bp start at base 176730

**FAD6 scaffold00117 67341**

1)

For Primer GCAATCCCAACAAATTCTATCC

Rev Primer GGGGAACTTTTTAAGCCAATTC

Repeats (ct) x10 PCR product = 294 bp start at base 63170

2)

For Primer CCCTAAAACCCTAATTTTTGGC

Rev Primer CTAGATTGTGGAAACCGGTGAT

Repeats (ag) x13 PCR product = 282 bp start at base 126103

3)

For Primer TGGGCTTGTTTGGACTTTACTT

Rev Primer ACCCCACTTGAGAGAGTGGTAA

Repeats (ta) x9 PCR product = 188 bp start at base 90613

**HSFB1 scaffold00122 137784**

1)

For Primer CAGATTGCTCTGATCTCGTTTG

Rev Primer CGTTGTGAGAAATGGCTTCATA

Repeats (ct) x25 PCR product = 214 bp start at base 64723

2)

For Primer CCCAATTTTAGCTCACACACAA

Rev Primer ATTCTTTCACGGTCTCCCAGTA

Repeats (ca) x13 PCR product = 269 bp start at base 89455

3)

For Primer GAAATCTACGGCATCTTTGACC

Rev Primer GCGTCTAAATGAAATCAGAGCC

Repeats (ga) x12 PCR product = 271 bp start at base 134767

**FAD3 scaffold00126 103410**

1)

For Primer AATAGCGCTTAGCTGATTTTGG

Rev Primer GGCAGATTCCTAACAAAGGAGA

Repeats (ag) x24 PCR product = 272 bp start at base 79280

2)

For Primer TACAAATCCCACAATGAGCAAG

Rev Primer GGTAAAGTTCGGCTTGTTATGC

Repeats (gt) x15 PCR product = 150 bp start at base 54559

3)

For Primer AATAGCGCTTAGCTGATTTTGG

Rev Primer GGCAGATTCCTAACAAAGGAGA

Repeats (ag) x14 PCR product = 272 bp start at base 79388

**PLD scaffold00152 73595**

1)

For Primer ATTCTTGTTGCACGCTAGTTCA

Rev Primer TACGTGGTACCCAAACTGTCAC

Repeats (tg) x10 PCR product = 217 bp start at base 51067

2)

For Primer AGGCTTTACTTACCAAGGAGGG

Rev Primer GCTTAGAGCTACCGTTTTGTGG

Repeats (ga) x10 PCR product = 104 bp start at base 95371

3)

For Primer AGCAAAGGGGCAACAGTACTAA

Rev Primer GCCCTCACGCTTATTTTCTCTA

Repeats (ag) x26 PCR product = 280 bp start at base 171424

**ABI3 scaffold00173 74854**

1)

For Primer CAACATTTACTGCCCTCAACT

Rev Primer TTGTTGGTCATTGAGACCTTTG

Repeats (ag) x15 PCR product = 240 bp start at base 93274

2)

For Primer AACTCCCCAAATTGCTCTCTCT

Rev Primer AAAGAAGAGAAACAACCAACGC

Repeats (tc) x12 PCR product = 145 bp start at base 49433

3)

For Primer AGGGGATTCCCAACAAATTACT

Rev Primer GAAGCTGGTCCCATTAAGTACG

Repeats (tc) x11 PCR product = 267 bp start at base 65172

**UVH6 scaffold00209 200622**

1)

For Primer GATGTCGATCAACTGGTGGTAA

Rev Primer CATGGCCGAAGTATATCACAAA

Repeats (tc) x36 PCR product = 277 bp start at base 215139

2)

For Primer GCATGACGATGGATCAACTAAA

Rev Primer GTTAAAGATGGGGCAACAAAAC

Repeats (ga) x19 PCR product = 230 bp start at base 164548

3)

For Primer TAATGAAGATGAGGAACGGCTT

Rev Primer TTGAGACCGTGGGAGTATCTTT

Repeats (ag) x17 PCR product = 298 bp start at base 255837

**CAD2 scaffold00210 35074**

1)

For Primer ACAACATGCTTCTCTGAGTCCA

Rev Primer TAATGTTCTGGGATTTGCACAC

Repeats (ga) x19 PCR product = 219 bp start at base 77653

2)

For Primer CCCATCTCTCATCTCTCCAATC

Rev Primer CCATATGTATGTCGTGGAAGGA

Repeats (ag) x15 PCR product = 286 bp start at base 68257

3)

For Primer CTTGTTCTCCATTTCTGTGCTG

Rev Primer TTCTTCCCTCTTCACACTTTCC

Repeats (ag) x10 PCR product = 141 bp start at base 50380

**VTC2 scaffold00252 182985**

1)

For Primer ATTTGCAGTGTGTAGCCTCTCA

Rev Primer CTACCCATAGGGCCATAGACAA

Repeats (tc) x11 PCR product = 225 bp start at base 96756

2)

For Primer TAGTAACGTGAATGGGAAAGGG

Rev Primer ACTTTTTGGGACGGAAGACATA

Repeats (at) x8 PCR product = 228 bp start at base 177925

3)

For Primer GGGTTCAATGTAATGTGTGGTG

Rev Primer CGAAGGATGCTAATCAAATTCC

Repeats (tc) x8 PCR product = 284 bp start at base 144333

**NPQ1 scaffold00260 224460**

1)

For Primer GACTATGGGTTGATTTTGGTGG

Rev Primer GATGGAGAGAGAGCATCACCTT

Repeats (ga) x16 PCR product = 286 bp start at base 270638

2)

For Primer GCGAGAAAGAGAAAGGTTTTGA

Rev Primer ATAGGATGTGGATTGGATGTGN

Repeats (ca) x15 PCR product = 297 bp start at base 225063

3)

For Primer GCGAGAAAGAGAAAGGTTTTGA

Rev Primer GGATGTGGATTGGATATGTGTG

Repeats (ct) x11 PCR product = 254 bp start at base 225041

**ABI1 scaffold00338 47871**

1)

For Primer CGTATGATATTTGCGGTAACCA

Rev Primer CGAAGAGTGCAAGACCATTACA

Repeats (ta) x19 PCR product = 161 bp start at base 57877

2)

For Primer GCATTAACATCACCTCCTCCTC

Rev Primer ACAGAGTTGATTGTCGCTCAAA

Repeats (tc) x19 PCR product = 188 bp start at base 26723

3)

For Primer AAATTCCAGGGTTTCCTTTGTC

Rev Primer CCAAAACAGGTCATGTTGAGAA

Repeats (ta) x12 PCR product = 181 bp start at base 57550

**FAD5 scaffold00455 137460**

1)

For Primer TCAAGCTGAAAGGACATCAGAA

Rev Primer CCCATCATTTGTTACAGAACCC

Repeats (ac) x16 PCR product = 282 bp start at base 119875

2)

For Primer CCACGGCTAAAATCTCTGATCT

Rev Primer CCTTGCTGTCATTTGATTGTGT

Repeats (tc) x16 PCR product = 265 bp start at base 155432

3)

For Primer CCCTCCATTCTATCTCATCTGC

Rev Primer TTAAAGTGGTGGGTAACGGAGT

Repeats (tc) x9 PCR product = 242 bp start at base 128588

**ACD2 scaffold00474 49968**

1)

For Primer CTCTAAATTACCTCTTCCCCGC

Rev Primer GGGTAACATCCCACAGAGAGAG

Repeats (ct) x20 PCR product = 294 bp start at base 49020

2)

For Primer TCAATTTGGTACCCTACGCTCT

Rev Primer GATGGAGGAAGGTCTGATTTTG

Repeats (ac) x12 PCR product = 205 bp start at base 59880

3)

For Primer GTGTCCTATGCTAACAAAAACAACC

Rev Primer CGCCCCGTTTCAAATTGTAT

Repeats (ac) x11 PCR product = 287 bp start at base 45960

**RBOHB scaffold00539 83582**

1)

For Primer CAGCAATACTTCCGCTCTCTCT

Rev Primer CTTGTATCTTGTTAGTGGATGTGTG

Repeats (tc) x15 PCR product = 229 bp start at base 55797

2)

For Primer AACGCATAAAACCACTCCTCAT

Rev Primer TCAGATTTCGTTAGTGGGGTTT

Repeats (tc) x12 PCR product = 130 bp start at base 131860

3)

For Primer GGTTCGTACCTCACAGAAGACC

Rev Primer GGGTATGTTTTTGGTTAGGGGT

Repeats (ca) x10 PCR product = 267 bp start at base 39956

**FAD4 scaffold00588 71881**

1)

For Primer TTGACAGAATTCAAGCCGTCTA

Rev Primer ATTTAGTCCAAATCAGGCCGTA

Repeats (ga) x10 PCR product = 292 bp start at base 92552

2)

For Primer AAGTAGGCCTGCTACTCGTTTG

Rev Primer GGGATCCCTCATTAGAAGTTGA

Repeats (ta) x8 PCR product = 252 bp start at base 91259

3)

For Primer GGAAAAGATCATGACCATCCAT

Rev Primer AGCGGGCTAATTGAAACTTGTA

Repeats (tc) x6 PCR product = 228 bp start at base 70485

**BZIP28 scaffold00604 167982**

1)

For Primer AAGAATCATGATCCACCCAATC

Rev Primer TCTTCATTGCAAGCAGTACACA

Repeats (tga) x11 PCR product = 281 bp start at base 81589

2)

For Primer CGAGCCACCTACATCAACATAA

Rev Primer ATACAGGGAAAAGAACGGGATT

Repeats (ac) x9 PCR product = 263 bp start at base 148355

3)

For Primer AATCCTACTCTCTCTCCACCCC

Rev Primer AGCGCGTGAAGAGCTAGATAAC

Repeats (cga) x6 PCR product = 253 bp start at base 158616

**BZIP17 scaffold00617 93228**

1)

For Primer CTTCCACTTTAACCTCCATTGC

Rev Primer ATATTGCACTCATGCCACTCAC

Repeats (ct) x7 PCR product = 114 bp start at base 174527

2)

For Primer TTTAGCTGTGATGCGATGGTAG

Rev Primer TAATCCAAAACTTACCGCTCGT

Repeats (aag) x8 PCR product = 272 bp start at base 43379

3)

For Primer TCTCTGTATTCCCATTTGGCTT

Rev Primer AAAGAACACAATCGAGAGCCAT

Repeats (ac) x6 PCR product = 229 bp start at base 71579

**IRE1 scaffold00646 121094**

1)

For Primer AGAACTGCCTGTAGAAAGCCAC

Rev Primer TTCTTGAGCAGTCCATGCTTTA

Repeats (ga) x22 PCR product = 267 bp start at base 75300

2)

For Primer TCCGGTCTAAAGAGTGTTCAAA

Rev Primer TAAAGAAGGCAAGTCGTGTGTG

Repeats (ct) x16 PCR product = 300 bp start at base 92907

3)

For Primer CCCATCTAATTATCTGTCCCCA

Rev Primer TATCATTGGGCAGTGGATGATA

Repeats (ag) x10 PCR product = 255 bp start at base 103449

**DREB scaffold00667 78551**

1)

For Primer AGGAGGAAGAGGAGAGAGAGGA

Rev Primer GGCACTCAAATTTTCTCAAACC

Repeats (ga) x14 PCR product = 211 bp start at base 151233

2)

For Primer GCAAGACGCCAAATATGTGATA

Rev Primer CTCTATCTTTTCCTTTCCACCG

Repeats (ag) x10 PCR product = 274 bp start at base 81226

3)

For Primer ATCAAGCCCTTTCCGGTATATT

Rev Primer ATGTGGATTGAACCTTGTACCC

Repeats (ag) x8 PCR product = 183 bp start at base 86265

**MS1 scaffold00725 110847**

1)

For Primer CAATTGGTGCAGAAATCTGGTA

Rev Primer TACACATCTTCGTTTTTCTGCG

Repeats (tc) x13 PCR product = 173 bp start at base 69608

2)

For Primer CTGGATCCGTTACACAACAGAA

Rev Primer GCTTCAAACGCTCAAGAAAACT

Repeats (tg) x8 PCR product = 289 bp start at base 115972

3)

For Primer ATTCCCATTGATCAGGAATCAC

Rev Primer CACAAGCCACTCAAAGTTCAAG

Repeats (tc) x8 PCR product = 269 bp start at base 116549

**BIP2 scaffold00773 80105**

1)

For Primer GCAAGAGAAGAAAAGCTACCCA

Rev Primer GGGACAAACGAGAGAGAGAAAG

Repeats (ag) x11 PCR product = 188 bp start at base 60084

2)

For Primer GATGACATCATCATTTCCCTCA

Rev Primer CCCGGATTAGCATTACCAATTA

Repeats (tc) x9 PCR product = 229 bp start at base 95442

3)

For Primer TTCAGTACAACATGCACGACAC

Rev Primer TCCCAAAGTAGTGGCTGTTTTT

Repeats (ga) x8 PCR product = 174 bp start at base 54849

**NCED4 scaffold00790 148624**

1)

For Primer TGCCGTCTCTAAGGCTAGTTTC

Rev Primer GCAAAACCCGACAAATTACAAC

Repeats (ga) x13 PCR product = 232 bp start at base 143272

2)

For Primer TCGGTGTTTTTCTGGGTACTTT

Rev Primer CATGATAACGAGAGAGAAGGGG

Repeats (ct) x6 PCR product = 212 bp start at base 118490

**VTC1 scaffold00867 90047**

1)

For Primer CAACAACTCTGTCCTCCTCCTT

Rev Primer AAGAGGATCGACGAGACAAAAG

Repeats (ga) x15 PCR product = 197 bp start at base 51078

2)

For Primer CACCTCGAGTGGAACACAAAAT

Rev Primer GTGTGTCATCGGTCATAATTGG

Repeats (ga) x10 PCR product = 137 bp start at base 70551

3)

For Primer GAATCGTTCATGATCTCGTTGA

Rev Primer NTCAGTCCCCCTCCAGTTTG

Repeats (aat) x10 PCR product = 220 bp start at base 128294

**CAM3 scaffold00875 103429**

1)

For Primer ACCGACGATCAGATCTCAGAAT

Rev Primer CTGAACCGATTAGTGACCAACA

Repeats (ct) x20 PCR product = 222 bp start at base 101483

2)

For Primer ATCGTGGTAGGCAACTTCAACT

Rev Primer AAAGACTAAACATGGGACGGAA

Repeats (ga) x14 PCR product = 299 bp start at base 112808

3)

For Primer CAGGCATTCAAAGCATATTGG

Rev Primer TTGTCTTGTTGAGTATGCATCG

Repeats (at) x13 PCR product = 300 bp start at base 99047

**CDPK 2 scaffold00916 77921**

1)

For Primer AATATACGAAATTAGCGCCAGC

Rev Primer TGTGATTCTAATCGGGATTGTG

Repeats (ag) x7 PCR product = 189 bp start at base 79132

2)

For Primer TGATAAAGTTTGAGTGCAACGG

Rev Primer GAGGTGAAGCTTGGATTTATGG

Repeats (ag) x8 PCR product = 265 bp start at base 59277

3)

For Primer GATCAGAAACTCAAATCCCTCG

Rev Primer ATGAACATGGCTTGAGTGAGAA

Repeats (gt) x8 PCR product = 264 bp start at base 99029

**ETO1 scaffold00956 64799**

1)

For Primer ATCTCCGACCCTAGTGAACAAC

Rev Primer CTCGCACATATCCATGAAACTC

Repeats (tc) x16 PCR product = 298 bp start at base 132788

2)

For Primer TTGGACTCTTTTTGGTTAGGGA

Rev Primer GTGTAGATGGAGAACAGCCTCC

Repeats (tg) x11 PCR product = 273 bp start at base 41290

3)

For Primer TGTCCAAATCTCATCACCACTC

Rev Primer TCATAAGTATCTTGCGGAAGGC

Repeats (at) x6 PCR product = 236 bp start at base 50616

**AXR1 scaffold01037 94980**

1)

For Primer GCATACCACCTAATGTTTTGCT

Rev Primer GGTGACTCCGAATTTGATCTTC

Repeats (ct) x10 PCR product = 224 bp start at base 77584

2)

For Primer TTCGTATTAGGTTTCCGATGCT

Rev Primer GTAGGGAGTAAGCCAAAAACCC

Repeats (gtg) x7 PCR product = 259 bp start at base 96749

3)

For Primer CAGCATCACGATCTAACCTGTC

Rev Primer GAAAAACAAGAATGCAGAACCC

Repeats (tc) x6 PCR product = 289 bp start at base 88703

**PIPK scaffold01039 47965**

1)

For Primer AACACAATTGGTTGGTGAAGC

Rev Primer CGATCACCTTCTTCATTCTTCC

Repeats (tc) x12 PCR product = 300 bp start at base 34572

2)

For Primer AGAGTGCATGAGGTCAATCCTT

Rev Primer CCTCATTACAACCACAACCAAA

Repeats (ag) x10 PCR product = 296 bp start at base 54889

3)

For Primer TCTGCATCACCCTACACTTCTG

Rev Primer GCCCAAAACTAAGTCTCACCAC

Repeats (tc) x8 PCR product = 295 bp start at base 46561

**HSFA1 scaffold01062 64941**

1)

For Primer ATTCCCATAAAGGGAGGACATT

Rev Primer GAGTTTGGGGTGCATATCTCTC

Repeats (tg) x10 PCR product = 233 bp start at base 52803

2)

For Primer AAAATAAAATCTCCCCTCCGTC

Rev Primer GGGTTTGGTAAAGGGTGATGTA

Repeats (ct) x7 PCR product = 200 bp start at base 59632

3)

For Primer TCTAAACACATTGGATGGTTCG

Rev Primer GGGGACCCTTAAAAACAACATT

Repeats (ta) x5 PCR product = 226 bp start at base 70668

RBOHF scaffold01076 6966

1)

For Primer TTTGCGATAACGAGAACTGAGA

Rev Primer CAACAACCCTTTCCTTCTTTTG

Repeats (tg) x5 PCR product = 163 bp start at base 3248

**UBP2 scaffold01164 30323**

1)

For Primer GCAGTCCTGAGTCCTGACCTAT

Rev Primer TCATGGGTGAATGAGTTTGTGT

Repeats (ct) x13 PCR product = 269 bp start at base 24582

2)

For Primer GTCTCCGGCAATAAAAGTGTTC

Rev Primer CAAGTAACGAGCAAGGCTTAGG

Repeats (at) x9 PCR product = 264 bp start at base 44966

3)

For Primer TCAATATCCTGAACATGGCAAG

Rev Primer CTGATCAATTATATGCGGAGCA

Repeats (ga) x7 PCR product = 300 bp start at base 31797

**ABI2 scaffold01374 63076**

1)

For Primer TGACAAAAGAGATATTGCCTGC

Rev Primer AAAGAGATGGTCCTCCACGATA

Repeats (ga) x16 PCR product = 270 bp start at base 55419

2)

For Primer TCCATCGGTAGGTGTCCTTACT

Rev Primer GTGTGAATCAGTCCCGAAAAAT

Repeats (tc) x8 PCR product = 293 bp start at base 62259

3)

For Primer GAGTCAGTTCAGGGAGCTAGGA

Rev Primer CATTCTGGTGAAAGTGTCTTGC

Repeats (at) x8 PCR product = 295 bp start at base 63869

**HOT1 scaffold01438 1604**

1)

For Primer GATCGGATACTACGCACTCCTC

Rev Primer ATGAGGGATGAGGTATGGAGAG

Repeats (ag) x12 PCR product = 200 bp start at base 31288

2)

For Primer TTTCTAGTCCCACCCGTAAAAA

Rev Primer AATGTGACGAACGATTGATCTG

Repeats (tc) x10 PCR product = 212 bp start at base 276

3)

For Primer CAGACGCCTCTTTCTCTCTCTC

Rev Primer AATGTGACGAACGATTGATCTG

Repeats (ct) x6 PCR product = 188 bp start at base 322

**ETO2 & 3 scaffold01451 70045**

1)

For Primer CTTCTTCCTACGACCCCTCTTT

Rev Primer GAAGCCGACTTGATCAATTTTC

Repeats (tc) x10 PCR product = 242 bp start at base 24397

2)

For Primer CTTCTGCCCATAGTCAATCACA

Rev Primer TCTCCATAGGTCGACAAATCCT

Repeats (ag) x8 PCR product = 276 bp start at base 61054

3)

For Primer AACCATTCTGATGCCCTAAAGA

Rev Primer TTGTCCTAATGTGACTCGATGG

Repeats (agg) x10 PCR product = 258 bp start at base 43755

**UVH3 scaffold01548 59769**

1)

For Primer ACGTACCAACGGGAAAAGTAAA

Rev Primer CTACAAATTCCCCACCACACAT

Repeats (ct) x7 PCR product = 279 bp start at base 66443

2)

For Primer TAGCGAACAGCACCTATTCTCA

Rev Primer TGTGGAGCTCCTGTTTTGTAGA

Repeats (tc) x5 PCR product = 300 bp start at base 57388

**ETO1 #2 scaffold01626 17072**

1)

For Primer TGGGTCTTTTGTTCAGGACTTT

Rev Primer ATATTCACATGCTCACAGGCAC

Repeats (tc) x12 PCR product = 206 bp start at base 8715

2)

For Primer AATTGGTGCCTTGACAATAAGG

Rev Primer TGATCGAAACTTTTACAAGCCC

Repeats (ta) x8 PCR product = 275 bp start at base 9925

**FAD2 scaffold01825 63480**

1)

For Primer AATTGTGTTGCTGTAATGTGGC

Rev Primer CGAAATCGAATCTCATTCTTCC

Repeats (tc) x12 PCR product = 267 bp start at base 62485

2)

For Primer GTTTGACTCGGTTTAGGTCAGG

Rev Primer CTTTCAACACTCCACACTCCAG

Repeats (ct) x12 PCR product = 281 bp start at base 65423

**EIN2 scaffold02031 44007**

**Catherine has this one.**

**UBP1 scaffold02114 16161**

1)

For Primer CGTAGATTTATCGTTTCCCGAG

Rev Primer AGTGTTACCTACCGAACACCGT

Repeats (ag) x7 PCR product = 178 bp start at base 8566

2)

For Primer ACCTGAAAATCTAGAGGGGGTC

Rev Primer TGTTTCTCTCTCCTCCCCATAA

Repeats (ga) x5 PCR product = 207 bp start at base 17938

**RBOHA & C & G & H scaffold02317 19919**

1)

For Primer AAAGATAACCCGTCAGACTCCA

Rev Primer ACCCCTTTTCTCTCCTTGTTTC

Repeats (tg) x12 PCR product = 298 bp start at base 9184

2)

For Primer GGCGAATTTAACATGATGTCG

Rev Primer CTGAGGCATTGATTGGTTAGGT

Repeats (ta) x6 PCR product = 300 bp start at base 16793

**UVH1 scaffold02430 17226**

1)

For Primer TAGGTAGATCAAGCCCGGATAA

Rev Primer TAGTGGCCTATTGTAGGGCTGT

Repeats (tta) x7 PCR product = 295 bp start at base 4106

2)

For Primer GTCCATTTAAGGCTCCAAACTG

Rev Primer GTGATTATGTGCTCGTGGAACT

Repeats (ag) x12 PCR product = 176 bp start at base 16966

**FAD7 scaffold02449 6764**

1)

For Primer AGAACAAGTAATCGCCCGTAAA

Rev Primer TAGTCTGAACGGGTCCCCTTAT

Repeats (tc) x18 PCR product = 271 bp start at base 1704

**UTR3 scaffold02795 6069**

1)

For Primer CATGCATTGCTCAGTGGACTAT

Rev Primer AGCTTAATGGACCGAAAGCATA

Repeats (at) x5 PCR product = 275 bp start at base 2489

**NPR1 scaffold12427 1856**

**too small a scaffold for any SSRs**