

Supplemental Table S2: Sequences of the core set of 96 EST-SNP markers used in the study

Contig	Sequence
EContig10374	CGAAGATGACAAGATCGATGAATTGGACAAGTCGGAGTACGTGGGAACTTTTGCACAAGTACCCCATAGTCATAAAGGACCTAAAAAGGT [A/G]AAGACGTCGATTAGGCTGGGATTAACAGAGCTTTTGGAGGATTTGGATGTAGAAGATGATGATTCAATCTTAGTGAGTTTGGTGCCA CGGGCTGGAGATGTGACC
EContig10531	AAAGCAAGATTTCTGTCAAGAAAGAGGCAGTAAAGTCACAACTGATGAAAAAGGCAATGCTAAATCAGATTCTGGTGCAAACCTTTGACA [C/G]CTTTAAAGAAAACAGATCATCTGATAGCACTGATTATTCAAGTGCAATCTTGAGTGAAGAAATCAACAATAGCCCGACTGCAGCTAT TTCATCGTCGACCGAGAA
EContig10539	GCCCTTCAGCACCCCTTTTCTTGACGATATAATTTCTGTAAGAATAGTTGGAATCAAACCTTTTATGCAACTGATCTCTGTCTGATGGGTGC[A/ G]CGCTGTTTCACGTGCTCAATCACAGTAAATACTACTGTCTCGAAATCCAAGGGAAAAGATGCATTTATTATATAGCAGAGGCCAGTTTGC ACACTGGTTTTATGTA
EContig10640	TGCTTTCAATCACACTGCTTACAAGGAGGTGTTGGAAGCTGAACCTCCTGAGTGGCTTCCAGACAGTTCCACTACAGTTTGTATGCATTG[T/ C]AATGCTCCTTTCACAGCTTTGACTCGTGGAAGACATCACTGCCGGTTTTGTGGAGGTATTTTTTGCAGGCTCTGCTCAAAGGAAGATGC TTATTACCTTTTAAG
EContig10787_1	GTAATACCCCATCAGTGCCTCTGGTGTTTTCGAGTCACAAGAATCTCTTCACTGGTGATTTCTCTGTAGATCGGTGGATTTTCTTCGGTCA[A/ G]TAACTCCTTTATTGGTCCAAACACTTTATTTTTACTTTTTTCGTGATAGTGCAATCTGAAAAAACTTGCCACTGAGATTCTCGGCCCCACA GTTTTCGCCAATAC
EContig1180_2	TGCTGCTGCACGTTGAGGCTCCTCGGCGCATTGCGCATTTCTGCTCCTYGACGCCAGCTGAGAAGGAACGCAACCTAAAGGTCCAGTTCC[A/G]GTGACAAGAACCCTTCTGGTTCCCAATTCATGTAGCCTCATCAAATTTTCCTGTATTAGATAACGGGAGAAATCTTGAA GATTATACTGAATCCTT
EContig12203_1	GGGGATAGAAAGGGGGAGAGTGATAGAGAACTCAACGGTACGATGGTGGAGAACGGTGTTATCACGGAAGAGCAGCAGAGGCAGATCG C[C/G]GATAACAGAAACGACGTCGTTACCAACCATTGGAAGTCCGGGGAATCTACTYCCCCTACCGATCGTCCCGTCCGCGTATACGCTGA CGGAATCTACGATCTCTTC
EContig12584	CAAGAAAGCGAACTCGTGACAAAAGTTCTAAAATGACAGAGAGTGAACCTGGAGGCTGATCATAGTGAAGTACGATCTGAAAGTGTCATAG [C/G]AGGTGGCATCAAGAAGAGGCGCCAAACAGGTGCTCCAGCTGTGCAAAATGTTGGCGAGAAGCGTTACAATCTACGGCAACGGAACC GCAAGAATGTTGGCACGGA
EContig1263	CCATAACGGTTCCCCTGTTTCGAGGCAAGAATTACACGCATCCAATAGAATGGATCCGCACCTGTTGTGGAGTGTATGCCATACAATGGCA[A/G]CTGACTGCAAACCAGGAAAATGAAAAGAGATATCACAGTGTAGATGACCTTCTCTCTAAATGGAATTTTCCTATCTGCGCTCTGAACC TCGGGCAGGAAAGAAAG

Contig	Sequence
EContig1372_4	GCACGAAAACGCGCCCTTCAAATTYCCCGGCACAAAAGCGGCCTGGAAGTGTATTTCAGTGGCATCAGATGCAGACTTAATAGCCGAGCA[T/C]CAAATTTGGAGCGCGGTCGACCCCAATGGGAAGAACGAAGGTTTCAACTGCAGCAATGGGGACCTTTTCAAGTGGAAAGCATATGTGG AAGATATTGGCTGAACAA
EContig1634	TAGGATTCCCAAGGTCCAGCAATTGTTGCAGGACTTCTTCAATGGGAAGGAACTTTGCAAGAGCATCAATCCTGATGAAGCTGTTGCTTA[T/C]GGTGCTGCTGTCCAGGCTGCCATTTTGAGTGGTGAGGGTAATGAGAAGGTGCAGGATCTTTTGCTTTTGGATGTCACTCCCCTCTCTCT TGGTCTGGAAACTGCT
EContig1775_5	GAGGGTATTGCTGTTATTGATCTCAAGGATTCATATCCCAATGTCATGGAAGATTACAGGCTTTGAAAGCTTCGGGGCCAAATTTGGCTG[T /C]TATCGAACTTCGACTCACAGGAGGACATAGCATATCCAAACGATCCCCGAGCAGTTWTTAAAGTTGATGATGATCTGAAACAATTATTC AGGGGGATGGAAGTCC
EContig181_2	TGCAGCCAAATTTGATGAGTATGCAAGGGGTATGATAAGCTCTTCCGGTTCTACCTTCTTTGAGGAGCTCGGATTGTACTACATTGGTCC[A /G]GTGGATGGGCATAATATCGATGATCTTGTTACTATATTTCAAAAAGTAAAGACAATGCCAGCGCCAGGGCCGGTTCTAATTCATATTAT AACAGAGAAGGGAAAA
EContig1813_3	CAAGATTCAAAGACCGATCCCCTCATTTTTGGATCATATKTTCTTCATAGAATAAGTGACTCATCTAGCAAATTAGGTGCTTATTTTAAC[T/ C]GAAAATGAGCTAGTATATTGGTGGGAGTCCCATAACTTCTTCAACTTCATGATTTGCAGATTTCATCCAGAAGCCAATTCTCAAGAAATGA CAGAGGAGGATTATT
EContig1816_1	AACTGATTCTGCAGTAGCAGTAGTACCCTCACACATTCAGCAGTGGGATTGTTTTGAGAACCAATCTTGGGAGATGACATCCATCCTTT[T /G]AGTAATCGGGATATATTCTCTGCGCTTGAGGCATATATTGAATTAGAATTTTCGGTTAACTTGACGTCRCTTGATGAATCATTCTGGCTG CTACTGTTGACACCC
EContig1839	AATAAAGGAACGAGAAATATACCACTGGAACAATTTTATGTTTATTTTTTAACACATTTCTTGATACAGACCAGATGGCGACAGACCGACC[T/C]TATATATTTGCTTATCAAAGGCTGCTAGAAGAGTCCCTACGTTTCAGTGCAGCGTTCATAGATTGATTTCTCGACCGAAAATCCAGCTGA AGGGGGTGGCCGATGC
EContig188	CGAGGATCCTGCAGAAGGAGAGGAAGCCCTGGTTGCGAAATTCAAGAACTTCACGAGGATTTGACATCTGGTTTCCGCAACCTCGATGA[T/C]GAAACTCGGTAATCGATGCATAGGTACTAAACAAATTCATGCCAAATCAGCTTTGTCGCTGCTTTTCGTGCTGGTGGGAAAACCTAACT TATTGTGAAATTCTTAA
EContig1947_3	CTAAACTATATGAAAAATAAACAAGGGTCTCATAATTCATAACCATCCACCTCTCTCATTACACACACAATCCAACAAATAACATCAAAC[A /T]GAAAATAGGACAGATGAATTCAATTTCCATACTCGTTTAGTTGGTGGGGTTGCTCCTGAAGGATCCCAAAGCCTTAAGGGCTGCAGCTC TAAGGATATACTGGTG

Contig	Sequence
EContig1962_1	AACATATTGATATTGGATATGCTCCACAGATCTTCAGTGATGAAAACCCTAATGCATGTTTCAGTTATGTGAAATTTGGGATGAACAAGGG[A/G]TGGAGTTAGGGGGGCACACCGCACATGGATARCTGTTCCATGACATGTTGTTGTGCTCTACATGTGGTCATGTCTGGGTTTCGTAGTATAATCTACAGGAAGCTG
EContig1987_2	GAATTAGAGCCTTCATCCTGAGACTGAGATGATCTCCTTTATCGTATTAATAACAGCCTCTCGAATCAAAGCAGATCTGGGGCGAATT[A/G]AGAAGCAAGTCAACTCCGAGTTCAAGTCAGAAATTATTTTCTTTTCTTTCCCGCACTTATTGACAATCCCCAACGATTGGTTGTATCGTCAGGGTGTCTCTATTC
EContig2068_2	TGATTTGCTAGCAATTTTAGAAGAATATCAGGTTAATRAATGCATATTTGTTGGCCATTCTTTGTCTCCATGACTGGTGCTATAGCTTC[T/C]ATCTTTCGGCCTGATCTCTTTCAAAAAATCATCACGATTTCTGCTTCTCCAAGGTTTATAAATACTGAGGATTACTATGGAGGATTTGAA CAAGAAGACATTGAG
EContig2172_2	ATTGCTAAATGAAGTAGTTTCACAGAGCAATTAAGGGAGTAAATTCGTGCTTTTGTGTGGCTCCTTGCCTGAATAGTCATTTAAATGCGT[T/C]ATGTGGCCTTTGCAAGGGAAGTGGTCGAGGTTTAAACTGGTTCCTGAAGTAGTTAATTCGTAAATGAGAGTCTCTATTGATGGACCTTGAGTCTAGAGGTTCTT
EContig2305_1	TCTATCTGGATAAACACTTGAACAAAACCTTCAGCAGATTATTGTAGGTATCTTCGGAATTCCTAGAAATAGAGAGACAATAAAATAAGC[A/T]AAACAATTATAAGCTACATGTGTCGCGTCCAACCTTTGATCTTTGTTGCTGTTGCTTTGTCACCATTGAACCTCAAATTC AAGGAGGCCATCAATCGAGCTTC
EContig2458_2	AATAGTTGCAAGCTGGCTCTTATCACCCCATTCCTCCCAAAGAAAGTAATTGAAAATGCCTTCAGCAAGATGGGCGAGAAGAATTGAGCAAG[A/G]AAAGGACGGTTTTGCTTCTTCAAATTGTCATCAWCCTTATTGTTCTCTTTGGATGATCCACCATTACCTTTTATATCACCACCCAATTTTGCTTCAACTTCAGCC
EContig2514	GGATGTAGCATAAGCATGAGGAATATCCCAATAAATCACAGAGGCGACACTAGAAGTAAAGATAATGCTCCCTTTCTTGCCCGGAATCAT[T/G]ACCCTTGCAGCGTGTTTGGCGCATAGAAACATGCCAAAAACATTAACGTCGAAAACCCTCTTGTAATCTTCATATTCGGTAGCCAAAA TTGATGTGTCGCCCTTG
EContig2705_2	AAAGTATCAAGTTACACATCTCAAGACCCACTGCGAGAAGTTCCTGATGTCCAGACTGAACTGGGAAAACCTCACTACCCTATTATGCTTT[T/C]GCTCACCAGCACTCTGCAAAATGCTTGCTTGATGCATCATTGTCGTTGATCATGGACAACATGGACAAGCTTAGTAAGCGAGAAGAGTACATGGAACCTGTGGAG
EContig2785_2	AATGAATGAGTGATAATCCCAGAATCCAACGGCATGAGCCACTGGCGTATTCCTCTTAGTGAAAAGATTCTCAAACCTGATAGGTCTGAAA[A/G]TAATCTGTAATCGTCAAATTACAGCAGTAAATCGACAACCCTTTACACTCCCATCCTTTGTGCGCACATTTTCTTCCCCTTCACCTTCTTCACTCTCAACGTCGGA

Contig	Sequence
EContig2906_2	ATATGTGAATCAGCTTTGTGAGAGCCTCCCWAGTCCAGCGGGCGAGTCTGCAATTGACTGCGATTCCATGTCAGACATGCCAACTGTCAC[T/G]TTCACCATTTGGAGGCCAAAGCTTACCCTCTCACACCAGAACAGTATATTCTCAAAACTGGTGAAGGCATCGCCWCCGTTTGCATCAGTG GATTTATGGCTCTGGAT
EContig2937_4	GTATGTGGACACTTTTGTGCAGAAGGACGCTGCTGGACATGCAGTTGGGGCTGCAGCTTAAAACCGCCTTTTACAAAATCTTGAAACTA[T/G]TGTCTTTAAGCATAAACTTAGCCGTATGGAGTTGCCGAATTTGTGTACCTTTGGTTGGACGTATGGCTTGTGTGTTATTAAATAAAATA AATGTGTTTTAAATTG
EContig2950_2	GAGTCGAGTACTATATTAGTCGAGTGTACAAGTTTACARTGGAGTGGGAACAGCTCTGAGAGGATTTGCTTTCTGCAATGTTATTCCAAA[T /C]TTCTCTTCCATATCCAACCTCCTTCGGTGCAATTCCCCCTTCAAGCTTCCAATCAAATGAATTCAAAAGTGAACCCAACATTACAGGAACC ATTCTAATAGCCAAA
EContig298_1	ATGGATTAGTCCATCAGCTTGGAATTCCCAGTCGATAACATAATCATAGTTAGCAAGTGACGCTACCATCCTTGCAACTAATGACACCTT[A /T]GGTCTTGCCTCTCGGATCTCCTCGCCTACTATTGGGCTCTCGGTGTGACGCCAAGCAGCATCACCCGAGTASCGCTCGAACAGACAGATC ATGTTGGACCTAACA
EContig2998	CCAGTACTTGAAAGAGAAGGGTAGCTTTGGAGATCTTACTCTTGGTCTCACTCAGAATTTTGAACCCAAAGGAGCTCCAACGGCAACTGA[A/G]ACCATGAACCTATTCCCAGTCATTGGGAACCTCTGAAACTCCGACCCATGAAAACTCAACATGTCCATTATCCCTCAGAAGAAAAGTG ATCTCAGTAGGGACAAG
EContig3075	GAATTTCCGAAGGAAAAGTGTGGTGGGTTTGAACCTTGATTTTCTGCTCCTGAATTTGACGAAGCACTCGTCGTATCTCATCTACAACGC[T/ C]TCCCTCTACTTTAGCTCCACCGTGCAGAGGCAGTACCGCCAAAAATTTGGCCTCAATGAGATGATACCTGTGGCTGCCAATGATGTAGCT TTCTCCATTCACGCT
EContig3144_2	TCGAATCCTAATGTTAGATATCTTTCCATATGGTTCAAAATGCCTTTCAAGATCTCTGGTCCTGGTACTGATAGGATCAAAGTTGATGAT[A/ G]AACAAAGTTTTTGTGGTCTTGTGTTAGCTGCAGATCTTCTTGATCTATCAGGCTTCCTGCCACCACGTTCTTGCTGCTTTGTCAGTTCAA CACGAAGTCGGCGA
EContig3225_1	ATTTAAAGCTGCGTTTGC GCGGAATGATTTTGACAAGTGTAATGAACTCCTATCCCAGCTCAAGGTTCTGCTGACAAAATTGAAGAGTCT[A /G]CCTCCATTATTCGAAGAAACGCCAAATGCAATCCATGAATTGACACTAGCAAGGGACATATATGAGCATGCRGTTGTTTTAAGTGTGAA GATTGAGGATCTGGAT
EContig3597_1	AATCCGGTATAGCAGAAACGGTAACAATCATTTATTTTATTCCAAGACATGATTGGCTAAACCTATTCCTTTTTTCGAGTAGAGACGAAGA[A /G]CAAATGCTAATCCCAATATCAATAASGGCAGGATAAATAGCAGTATCTTGGATGAACTCCCCGAGTCCTGGTTTGCAGTTGAAGTTGCA CTTGGAGGTGGGGTGT

Contig	Sequence
EContig3889	TGGTATATTTTGTCTTGGATCTGGGGCTACAATTGTTTCATGGAGTTCAAACTTGTGGACTTCTCAGCCTCCTGAGCATATTGAGTATGC[A/G]GCTCTGGTGATTGGTGGCTCTTTCATTATGGAAGGTGCTTCTCTTCTTGTGGCCATCCATGCTGTCAGAAAAGGTGCTGCTGCGGAAGGAATGAATGTGAGAGAC
EContig3935_2	ACTGACGATCTGTGCACCGATCCGGAGGCTTCTGGAGGYTTGTTGTGGCCTCCAGCCTCCAGGTAGTGCTCTGCTCCTCCTTAATTCTCC[T/C]ATTCGCGATCTTCGGTAGAACAATGACTATTCTCCTCGTGTTGATTCTGATCCACTAATGTTTTCACTTCGCTGTTGGTCCGACTGTAGTGGTGTTTGCTGATT
EContig4112	TTGCAGCATACCCATCCTTCGCTGCCTCATTATGATTCCACCGAGTGGGATTGGTTACGCGGAGCTTTAGCAACTGCTGACAGAGATTAC[A/G]JGGATTCTAAATAAGGTATTCCACAACATAACGGATACTCATGTCGCGCACCATCTTTTCTCAACAATGCCACACTATCATGCAATGGAGGCAACCAAGGCAATCA
EContig4297_2	TTGTAGCATCTGCGGTGCTTCCAGAAATTTTCGGACTCTGAAAGTTTACTAAGGTAAGTTGACAATCCCATCTTTGAAAAGCTATCGACCA[A/G]TTCAGCAATCCCTGGAGATTTAGATTCCAACCTCAGCGAATAGCTTTGTGAGAGTTTCACAGAGAGGCTCCGGTACTGATTTCAAAATTT CAGAAATATTAGACTT
EContig435_10	GAGGCCTTATGGACTATGCATTCGATTTTCATAATAAGAAATGGTGGCATTGACACTGAAGAAGATTATCCTTATAAAGGCTACGATGACA[A/G]ATGTGACCAATACAGGAAAAATGCCAGGGTTGTGTCCATTGATAGTTATGAAGACGTAGCTCCATATAACGAAAAGGCACTAAAGAA GGCGGTTGCAAATCAACC
EContig4380_1	GAAAAATGCCATGGCAGGTATGGACGSTGATATGATGGAAACGGAGGCAAACGCTCCGCCGCAACCGGTGGCTGTAAATGCCGACCAGAC [T/C]GACGCTGTTCGGAATTTGCTGATAATGGCTAGGCAACTCATCGATCAAAACAAGCCTTCTCAGTCTCTTCAAGCGGTGGTGATGGCAA TGWGATTACAAGGTGGG
EContig4424_1	AAAATTTGTGAAATACTCCTTCTAAGAAAGCTGCATGGGAAATTGCAGGTCATGTGAGCCTAGGTCCACGGTCACAGCCAAGTTAATTCT[T/C]GTAGACGGAGAGCTAGAAGAATTTCCATGTCCAATAAAAGTGTCAAATTTGCTTGAACAAAATCCAGATTGTTTCATATGCAATTCAG ATGAAATGGGATTTGGC
EContig4490	CCATTACCTCGAACAACGGCTGTGTATAGTCGGAAAAATGTACGAGTCTCATCTATGCTTCTTGG[A/G]TTGATGCCCAGGCTGCGAGATCC ATCGCCGTGACGCGGTGGCCCTCCGCCTCCAGCAGTGATTGTAACCTGTACCAGCACCAAGCTCCATGGCACATACCATGCACTAGAACAA AATTGTTTTTTGTTGA
EContig460_6	ATAAAGAGCCTCAACTTAGGTAATGACGAGAAGGTGCRCTATTAGCTACTGTTTTCTCACTCATTCCCTTCTACTGTACATATTCGAGCT[A/ G]TAGACTTGGGAGAATCTGTACTTCTGTCTACTAAGGAAAGCTGGCTGAGGATATATCTAAGAATTGTGCAAAAAACACACAATAACGAA GAGGTACCGAAGATCT

Contig	Sequence
EContig465	ATGATCTTCACATTTTACAAGGCACAAGGTCTTTCAGTTGGGTCGTCCCTAGTGGAAGAAGACAAGCTGGATCTTGCAACAACCCTTATT[A/ /G]AGAAGGCTAAGGCCAAAGGAGTCAGTCTCTTGTTACCTTCAGACGTGGTTGTGGCAGACAAGTTTGCTCCTGATGCAGATAGCAAGATT GTGCCGGCATCTGGTA
EContig4794	TGTTACGTCAGAGAGATCCTTCAGAGTTGTCCCAACATATACCAGGGCAAAAGTAATTGGCATCATTCCCAACCACGATGCTAGCATGTA[A/C]TGTCCAATGGAGACTGGAGTCACGGATAAGAGGTAGTTCAACATGTTAAATGGAAGTAAAGGAACAAGCCGAAGAAGCAAAACAAT CTTGAATCCAGATCTCCGA
EContig504_6	TCGATATGAACCCATATCGATTTCTTCTGGATTTTCTTGGCTGGTGTCAAGGAGGACATCTAACACATCACTGTTTTTGCTATTATCGGAC[A/ T]TCCTTCTCTTCAACCTTTCATTAATCAAGCCACCGAAAAGCTCTATGATCTTGCCAAAATGAATAGTCATGCGGCGCCGTATACCTAGAG GGTCTAACTTTTCAA
EContig5140	GAATGGACTTTCCCCAGTGGAGACTCAGTCTGATGGCTGCCTGCCCCTTCCAACTCAATGGAAAGTCAATGTACTTCAGAAGAACCAAG[A/G]TCTTCACATAGTGGCCATGCAACTTTGTTTACTGATACGAGATGTGCAGATATTTCACTGTTTCCTGAAAGTCACGTAGAGTTAAGTG AGTACACAGAAGAGAAG
EContig515_2	TTCAGCTGACTCGGCACCAACTTCCTCGTAGTCCTTCTCCAAAGCAGCAAGATCCTCTCTCGCCTCAGAAAATTCACCTTCCTCCATACC[T/ C]TCTCCAACGTACCAGTGCACAAAAGCACGCTTAGCATACATCAGATCAAACCTTGTTGGTCAATTCTTGAGAAAACCTTCTGCCACACTAGTC GAGTTGGAAATCATA
EContig515_3	GATAACTGGCGCATATGATGAAAGCATGAAGTGGATCCTAGGATAGGGAACCAAGTTTGTCTGGAACCTATTCACATCAACATTCAAAGC[T/C]CCATCAAATCGCAGAGATGCTGTCAATGAAGAAATCACCTGAGAAATGAGCCTGTTGAGGTTAGTATAAGTTGGCCTTTCAATGTCAA GTGATTGCGGCAGATA
EContig5168_5	CGATGACTCCATTTGCATTAATAAGAGCCTCACGAGCTAAAGCATTGATCTCCATAGTGTATCGCAAATGAGGATGTAATAGTTTGTAAT[T /C]CGGGTGCATCGCACTTAGTTGTCGATTTGTTGCAATTACGTAAGGCTCCGTACAACAATGAGTTCTTAGCCAGTGACTGACTAACTGAT GAAAACCTGAGTCAAT
EContig5183	TGTGAAGCTAAAGAGTGCACCTGTGCGGAATGCTTCAAAGGTAAAGCAGATAACGCGGGTTTTCAAAGTGGGTAATGAAGAATTATCTTA[T/C]GTGGTCGAAATGGCTACCAATCTGAATGATCTTCAACCACATTTGGAAGCTTCTCTTAAGAAGATTTGATGCTCGGATGTCTAGCTTAT AATAAATAAGTTTGCA
EContig5193	TGCTGGAGCTGCACCTGAAGAGAAAATCCAGCGAGGAGGAGCTGACTGAAGATGAGTATGCGTCCAGTGATGAAGAAGTTGCCGGGAAAG T[T/C]GACCCCTAGGGTCTGAATTTGCAGTTCGATTGGCTCTTATCTGTACATGATATGTTACCTATGTTAGTAAACCTTAACCTAC

Contig	Sequence
EContig5258	GCTCAATACTCGGGACAATATCTTTCAATGTGGAAGACAGGGTTTTGAAATGGGCAATTAGTTTCTGGCATTCACTTTCATACTCTATAG[A/G]CGAAATAATATCACGAACATAAGCCTTCTCGAGTTTCTCTGTGGCCTTTATAATCGCAAAAAGGTCAGCAAACTATCATACATCTCTCTTTCGCGCTTGTCATT
EContig526_2	TGTCAATGATTTCTTGGGTCCAAAGCTCACTGGTGTTGATGTCAGGAATCAGGCTGATGTTGATGCGATTATGCTGGAGATTGATGGAAC[T/C]CCAAACAAATCAAAATTGGGGGCTAATGCAATTCRGGAGTTTCTCTTAGTGTATGTCGAGCTGGAGCTGGAGCAAAAGGGATACCCCTCTACAAACACATTCAG
EContig5399_1	CCCCGTCTCTTCTTTACCTCAGCAAGATACTCAGCAAGCCTTCTAGCACATTTGGGTCCACGAACCTGGCTGAGAGCACAATGGAAAAC[A/G]AGGGTATCTTTGTCCTTGGCAGCTTCAATAAGACTGGGTATTTTGTCAAGAAACGTATCGCTAGCATAATGAAGTGACCCCGCTATGTGCCATCGTAGTTCCTC
EContig5478_1	CTCAACCTCGACACTACTRATGTTTTCGCCTCCTGATATAATTATATCCTTTGATCGATCTTTAATTTCTATATAACCATCTGGATGCTT[A/C]ACACCAAGATCTCCAGAATGAAACCAGCCACCAGCAAAAGATTCTTCATTTGCCTTAGGGTTCTTCAAGTAGCCCTTCATTAACAAGAACAATTGCCCGGAAAA
EContig5674_1	GCCATCAATAAGGATCTGAAAGCTGATACGAACGACGAATACCTCACCTTGCTGCGAGCAACTATTAAGTGCTTAACTTGTCCCGATAAG[T/C]ATTTTGAGAAAACCTCTTCGTYTGGCTATCAACAAGATGGGCACAGACGAATGGGCTCTCACTCGTGTTGTTGTTACACGAGCTGAGGTGACATGCAGCGTATCA
EContig6361	ATCACCGCAACAAAGAAAGAAACTCACGAGCAAAAACATGGCAACTTCAGCAATCCAACAATCTGCATTTGCAGGCCAGACAGCCTTGAA[A/G]TCCCAGAATCAGCTCATCAGAAAGGTTGGCAACCTCGGAGGTGGCCGCTTCACCATGAGACGTACTGTTAAAAGTGCTCCCCAGAGCATTTGGTACGGACCTGAC
EContig6479	TTGCCTTCTGTATTGGTGTATCTACCGTATTTGCAAGTATCACAGGGATATTCAGAGCATGGAGGAAGTCGAGAAGAGGTACAAGGAGCA[T/C]TAGAAGATTCACTGGCTTAGCCATTCACTTGCATCGATAGTGAAGCATATTATGCATCTACCACTGCCATTATTTTTTCGTTTTACAGTTATGTTTACTGTTCT
EContig6629	AGTGGTTCAAACCTTGCTAAAAAGATAAAATAACTGAGAGCTCCGTTGTTATTCAATCCAACCTGGTGTATGCATCAATCTTAATAAAAATCGA[T/G]CTGGCATTTCGATGCTCACCAGAGCTCACCCTTGATTTTTGTCCTTTTCTTATTTCTTTGGGGTCTCATTTATGCTAGCAATGGTTACCCGCTGCAGTTTCCTTG
EContig6851	TATTTTCTTGAAGGTGGATGTGGATGAACTAAAGGATGTTGCTAAAGAGTACAATGTTGAGGCCATGCCCACGTTTCGTGTTTCTCAAGGA[A/T]GGGAAAGAAGTGGATAGGCTCGTGGGTGCGAGGAAGGAAGATTTGCAGGCTACAATCACCAAGCATGCTACTGCTACTGCTACTGCTACTGCTAGTGCTTGAGGT

Contig	Sequence
EContig695_2	AAGCTATCGTTGTTGCTCATATTGAAAACCTAGAGAGAAAAGTGAAAAACCCTCAGAAATGAAAAGAGATAGAAGAGAGAAAAGTAGTATC [T/C]AAGCCGTAAGCGCCTTCGAAGCTTTTGCTTCTCCTCTTCCTTCGCTCTCTTCTTCTCCCCCGT
EContig698_3	GCTAAGGGCCCAAGGTTGTGGTATGGGAGTCGCAATGAATAGATTCATCAGTGGGGTGATCTTAATGTCATTTATATCCCTGTACCAGAG[T/C]ATTACAATTGGAGGGGCTTCTTTTTATTTGCAGGGGTGGAATTATAGCTTGGATTTTCTTCTACACATTGCTACCTGAGACGCGGGG AAGAAACCTAGAGGAT
EContig6995	TATTACGATGCTTGTATATTTCAATATATTTAGTTAAAAATAATAGATGGATAACCGTTATCCTCGAATCAAGATTACTGTTTGTAAATC[A/ G]TGCTTAATTCTTAATGCAATTCAGCAAGATATTTAATATTTTTTCTCTAGTCTATCTTACTGATCCAGCCAACAGTGAATAAATGCACAG TGATCTTGCTCTCA
EContig7442_2	CGTCRATTGTCCACCGAAAGTGCTTCTAAGATGATAATCTATTTTCGTTGATGGTGAGTTCTTCTTTTCCTCATTATTCAGTTTTTCGTGT[T/C]ATGATTCAAGTGAACCTCAGTTTGTGATGTGGACAAGTTTGAAGCGTGTTATGAAAGGAAGGGATGATGTAATTCTAAATTCCGTGTC TCAGCCCGTCCAATT
EContig749_1	TATCTGTGATAGTTGTGCAGAGTCATCTGATTCTGGGTGGAGAAGTAGCTGTTTTCTTATGAAAGGTGGCAAGAATTCAAACAATGCAGA[T/C]GCCCAAGGTGACAATTGAGAAGAAATGTTATCCGCAGAGACACCTTGCCTGAGCAAACCATGGATTTCTGCAATAAAGCATACACTT CAGGAATGCTTTCAATA
EContig8421_1	CATAAACAAGCTAAGGCCTAAGGGTGAGTAGAGTTAAACGACACACAAATTACATCCAGCGCSAAGGGATCACCAGCAGCGTGTGTGAGA [A/G]AGAAGGGGGAGAAAAATGACGCTAAAAGTGTATGCAGATCGGATGTCTCAACCTTCGCGTGCAGTAATTATCTTCTGCAAAATAAAT GGGATTGAATTTGAAGAG
EContig845_1	TAATCCACCGTCCCGACCCAAATCCTACGACCCAGAAATCATAGCCATCAAGATGCCATGACTGCATGGTGTTCATTATTCTGCAAAA[T /C]GACTTCGATAAATTCGTGGAGAGAAGCTGGCATTACAGATGTAGCAAAGTATGGAGGACCATCAGAGGGGAAGCTCTGGATGGAAGTC AGGCTGAAAACACCGGG
EContig86	TCTTAACAGGAAGAGACCGTCAGTCCTCGCCCTGTCTCGTCAAAAAGCTGCCCCAGCTTGCTGGAACATCCATCGAAGGAGTAGAAAAGGG[A/C]GGCTACATCATATCAGATAATTCATCCAGTAACAAGCCCGATGTCATTTTGATTGGAACAGGTTTCAGAGTTGGAAATTGCAGTTAAGG CTGCTGACGAACTCAGA
EContig8662	CTGGACGACATCGTCCAGCCCTTGAGCCTCTTTCAGAAAGTCGCTTATTCTTGGTCTCAAGAACACTAGCAGCAAGGAAAACAGCAAGAGC[A/G]CCTCTTTGGTCTTTCCATCCAGTTTGACATTTTTCTCTCAAATTTCCATACTGCTTGAGCATCTTCTGTTTACTTTAGCTTCGTCAT TTTTGTTGGTTCGA

Contig	Sequence
EContig894_1	GCTGCAAAAGAATCTCAAGGGAACAAATTACAACCTCTATGTTACAGTTACTTGAAATACGGTAGCAAGGCAGCTCGAGCTGAGATTTT[T/G]AAGGCTTCTAGAAACTCCACGAATCCTTGCATTTTGGAGGGATATGAAGGTACCTACACATATGGAGGAGTTGTTTATARAGTATCAGCTCCTCGAAAAGGTRCA
EContig8993_1	CGTCGATTATGCCTTCATTGTTGCACTCGTGGTCATTCTCGAGGAAATTAACGAGGACAGATCGGGTGAAGATTGAAATCACCATCAGAC[A/G]ATGATCGTGTTATTCCGTAAATGTAACCTCATCCATGTATTTGGATATTTCCCTTCAACCAATCATGTCAAATAAATGTAGAGTTGAAGGAGAGATCTGAGCCCG
EContig9136_3	CATACAGCAGGGCATATCTAATGGTTTACCAGATGTWGATTCCGGTTTTCTATTCAACTAGGAAGACCGGYTCGGTGCCATTTGATATAAG[A/G]TTTGATGAACAAGCACCAAAAGTTGCCTTGCCCCGAGATACTATGGTGCCTATAAATTCATTCAATACATTGTTTCATTATAATGCATTTGGGCTTTGATGCTT
EContig9157_1	GTGGCGGAGCCTGTGCCTGTACCTGTACTGACAGTTGATCAATAGAATGCTGAAAAAATCTACCGTGAACCTCTAATGTGTATCCCATCAG[T/C]GCCTTTCCTGTTTCTTTCAATTGTTACTCTCTGCCCTGCTTACCTCACCTTMTGCTGGTGAAATGGGTTTGGTGTGGATATTTTCATGTTTACATAAAGCCTGTT
EContig9302_3	ATGAACTGAGGTGGCTYAAAGCCAAATATMAAATGCAGATGAGAGAGCTTAAATTTGGAGATCAACATAAGGGGATCGTGTCAAAATCTT[T/C]GACTTTGAAGTTCAATAACGAGAAGGATAAATTGTCACCGAGCTCCTCAAGTATGTCGCCAGAAGAGAAGCGTTCKACCTCATTTTTCCGGCTGATGCAGAAAA
EContig9302_4	CGTGTCAAAATCTTYGACTTTGAAGTTCAATAACGAGAAGGATAAATTGTCACCGAGCTCCTCAAGTATGTCGCCAGAAGAGAAGCGTTC[T/G]ACCTCATTTTTCCCGGCTGATGCAGAAAACAACGTGCTAACCAGAAAGTTCACAGTTATGAATCTGTTTATAATTCTTTTAGTCCAGTACATATGATCACTGCA
EContig9677	TCGACACGAGGTTGAATCTGATTCTATGACATCCATTCAGGATAGAGGGAAACAAATCCGGAGTCCCAGGGAAGTAATGGATAACTGTCC[C/G]GAATTGAAGGAAGCATCAAAGGAGAACATCAAAGACAGTGTTGATACCGATTCAGAATTAAGGAATTTTCGATCTGAATGCTGGAGTGATGAGGTTGCAGATAAG
EContig9922_3	CTGAGTGGTCAAAACTTGCCCRGAAGGCCAGAGTTTAAAYGCATGTATTGACAATTGAGGTTTGATTACTGCAATTGTTCTATATTGGGTG[T/C]TACTGAGGCATTTGTTTGAATTTGAGTTGTATCTTTTGACTAGGATTTCTTGCTAAGGCATGTT
IContig1226_3	AGGCCTGGTTGGTGAAATCATTGGCAGGTTTGAGAAGAAAGGCTTCACTTTGAAAGGTTTAAAGYTCATCACTGTGGATCGCCATTTTGC[T/C]GAGCAGCATTATGCTGACTTGTCTGCAAAGCCTTTCTTTAATGGGCTTGTTGAGTATATCATCTCTGGCCCAGTTACGGCTATGGTTTGGAGGGTAAGAATGTG

Contig	Sequence
IContig125_1	TTCCTTAGTTTTGCTCTTCAGTTTAAGCTTTGCTCAACAGCAGCTAAAGGGCCAGTGCCAAATCCAAAAAATCAATGCCCTTCAGCCCCA[A/G]TACAAAATTCAATCCGAAGGTGGAGTCACTGAGTCCATGATTACAATGATGATCAGTTCCGGTGCGCCGGTGCCGCCTTTTTACGCCATACAATTTACCGCAGA
IContig1260_3	AGTCAAGGACGACATGTTCTGCTTGTTTGAAGGAGCGCTCCACAACCTTGGGGAGTCTGAAACAACAATACGGCCTTGCAAAGTCTGCCAA[T/C]GAGGTACTTTTGGTGATTGAAGCCTACAAGGCACTTCGTGACAGGGCACCTTACCCTGCAAACCGAGTGGTTGGCCACCTCGAGGGGARTTTTCGCGTTCATGGTA
IContig19_3	TATGCTGGACTTTGTGCGACGATGCTGAGAAGCYGCACCACCCGTGCGGGGCGTATATTCGGGACACAAAGGCCATGAAAGCTACACCAGC[A/G]GACATCATAGAATACCCAAATGCTTACCATTTTGTGGTGGATATGCCAGGGCTGAAAGTTGATCAAATCAAGGTACACATAGAGGAMGGCAATGTCCTGGTGGTG
IContig2083_2	TGATGGGAGCTGCTTGACACATTTTAATTTTATCTGTGTTTTGGGTGCTGGAAATTATTAGACATTTATGAGCCAACACTATGGGAAC[C/G]TAGACTATTTGGTTCCATTGGTTTAATGATTGTAGTCCTATGATTTTGTGTTGTGTAATACAGTATATTTCTTTTAATCTTATAGTAACTTTGATGTG
IContig2350_3	TACCATTTCTGGTACCGGAATCCAGTTCAAGAGATCAAAAACGTCAAAATAGGAGGAATTCTAGGTGGGCTACCCGAAATCGGGTTTCCC[A/C]ATTGGGAGAAGCTCAGGTTATGAGGAAAGCTGAGTTGGGTTTTGCGAAAGAAGAGGACTCTGCGGGTAGTTTTGACCAAGCATTGAACCTGATCTGAAAAATGA
IContig257_8	CCTGCAAACCTGGAAACCTGRAGAGCCCGTGGTRATTGCTCCGAGTGTGTGCGAACGAAGAGGCTAAAAAGATGTTYCCACAGGGTTTCGAC[A/G]CTGCTGATCTTCCTTCGGGGAAGGATTACCTGCGATTACAAATGTCTGAGCATATACATATACATATATCTGCAATTCGGAATTGTC TGAATATTACTAGTAA
IContig2640_3	CTTACAGCAGGACTGATTAGCTTCAGGCRGGGAAATTCACATTTAGGTCAAAAGCTAATGAGAGCTCGTGTGGTCGTCCAAGGCGCGACT[A/G]TTGCCCTTATGGTTGGGACTGCTTATTACTATGGGGAGAAATTTAACTTGTACTAGAGTATGAACTGCCAATGATTACCATGTTCAATCATATAGTGTACTAGT
IContig2753_2	GCTCAGGCTGCTGGTCGTGGTGCTGCGCCTGGCAGGGGTGCTGTTCCACCAGTGAGGAGGTGATCACTTCCCTGATTTGGTGTCTCACTT[T/C]GAAGTGTCGTGTCGACAAGTGATAATCCTTGTTTCCAATGATAAAATTGTCAGTGGTGTACAATGAATTAACCTTCTTCCAACGATTAC TTAAGATGGTTTTCA
IContig2783_3	TTTCTCGACATTGAGCGCGTGTGATCCTGCCTTTGCTGCACAACAGATTGCTGAGATAGCCGAAGGTGATAGTCGGGGACTAGCACTTCT[A/G]ATTCCGATCATTCCGGCCATAGCTTGGGTACTCTACAACATCCTGCAACCAGCACTTAACCAGATCAACAAAATGAGAAGCGCCAAAGGAGTTATTGTSGGACTC

Contig	Sequence
IContig2981_4	TACTTGAAAAGTACTATGGGGAAGCCRCAGCGTATTTTTTAAGAAGATATACATCTCAGCCACAACGTGTTTTGGGAGAATTGTACGAGTT[T/C]AAATAATTAAATGTTTCCAAAGACGAGTTTTGAATGTCATCATCTTGTTTCGTCATGGACGTTGTTTCCCTCAATGTTTCTGGGTGAA GCTTACTATTATTAA
IContig3160_2	AAAACATACGAGATATTCGTCGGAGTATGATGAGCGGTGGAGATCAATCGAACAAGCAAGACAACGTAAAACCAATTGAAGATAAGCCG C[C/G]GGCGCCCGTGGTGGCTTGGAATCCGTTGTTTCAACCAGAAGATTTTCATGGATGATCCGCCGCAAACGCCTCTTAATTTTACAGCTCA ATTAGATTCCGGCGGCCA
IContig353	ACCGGTCGCCGGCGGGCGAAAAGAGTGAACCCAAGGATGAGAAGGTGGAGATAACTCATGTATTTCCGTCAGATGACAAGCCCGGAACTC [A/G]TAAAGTTGTCGGTGAAGCTGTTGGCAAGGTGGTCGAAAATGTCCAGTCGGCAAAGGAAGCAATGTCTAAGACCCAAAAAACTGAGT AATATACGAGAAAAATTC
IContig3651	GCCTCATCTAGATCCATCATCTGGCAGAATGAAAGAAGTCGTTGATTACAGAGTCCTATCTCCAGGAGACCTAGCCAACCTCTGTGATGAC[T/C]GAAGGGGGATGGTCCGACTTCCTGTGCATGAGAAAGGAAGCTCAGCCAGCTCTGGATCTTGCACTTATTTTTGTAGGAGAACAGTTGC AGTCTCTGGATATATCT
IContig52_2	GCAGCAGCTCTACCACTGCAAGATGTATTTAACTCAACGGAGTCCATCTGAAAAAATTTCACTCAGAAGTTYCAAGAACCTACAAACAGA[C/G]GAGCATCTCAACGATTGCTGCCAACAAATTGGAAAAAATCAAGGAGGGTTGCAGGYGCAGAAACCTGAAGCGAGTTGTGCAGCAGCAA CAGCAGGAAGAAGGAAGC
IContig667_1	ACGGCCGGGGGCATTCAATTCATATATAGCTTCTCTAATATTTTGAAAATTCAAG[A/G]GAGTTTGCAAATGGCTGAGCAGTATCAGCAAC AACATTATGGGCAACAGCAGAAGGGTCAGCAGCAGCAACAGAAGCAGCCGGTGTCCCACCAGGTGGTGAAAGCGGCGACAGGCGCCACA GCCGGCGGTTCCCTCCTGG