

Primer Name	Primer Sequence (5'-3')	Length
MK10840-F	TTATTGCCAAGCATCACCTG	20
MK10841-R	GGCAACTGAGAACCTGCTTT	20
MK10981-F	ACCGTGGAAAGATGTGGTGT	20
MK10982-R	GATAGCCCCAGAATGTGGAA	20
MK1163-F	CTCTTGCCAATACGTGCAGA	20
MK1164-R	GAGCAGACACAAGCATTGGA	20
MK11667-F	GTAGGTGGCAAATCCATGT	20
MK11667-R	ACGGAACATTTCTCCTCCT	20
MK12727-F	GGCTTGGGTAATTGAATGGA	20
MK12727-R	CTGCAAACTGCACGTGTAAA	21
MK12928-F	CAGATTGTGGCAATTCAAGG	20
MK12928-R	GAGGAGAGGAAATCAAAGATCA	22
MK13126-F	GGTTTTGGAACCCGAACCTT	21
MK13126-R	AGCCAATTTGCCTCTTCTT	20
MK13244-F	TGAGCACCTGCATTGTATCC	20
MK13244-R	TCAAACATGTGGGTGATTGG	20
MK13376-F	CGCCATCCGTACCATACTCT	20
MK13376-R	TTTTGGGCAAGAGATTCGAG	20
MK13675-F	TAGCGGTATCCACACAGCAG	20
MK13675-R	CCGCTGAACCCCATATCTTA	20
MK13688-F	CGATCATAGGGCATGGAGAT	20
MK13688-R	AACTCAACCTACACGGGGAAT	21
MK13699-F	CAGTATCCACACGGCAGAGA	20
MK13699-R	TTGGGCCTAGAAGGTCACAC	20
MK13702-F	ACCACCCCTGTACGTCATTC	20
MK13702-R	AAGGGGAAGGATCAAACACC	20
MK13772-F	GATCCAACCTTCTGGCGTTC	20
MK13772-R	AAGGGATGGATTCGAGAGGT	20
MK14338-F	TCCTGACTCATTGCATACCG	20
MK14338-R	GGTGTGTTGCTTTGCTTCA	20
MK15119-F	AAAGCAAAGCCACAGCTCAT	20
MK15119-R	CTCTGGTTTGGGCAGAGTTC	20
MK15245-F	TGGTGCTGTGAGAGACTTGG	20
MK15245-R	AAGAGGCCACCAATTGAAAA	20
MK15578-F	GCGATAACATTCTCCGCAAT	20
MK15578-R	TTGTTTTGCTGATGCTGACC	20
MK15628-F	ATGCACAGCCATGAACACAG	20
MK15628-R	CAATGACAATGACGACAGAAGA	22
MK15739-F	GGGAGATTACAAGCCAACCA	20
MK15739-R	CCCTTTAAATGTGCCTCGAA	20
MK16411-F	GGAGGACGTAGTTGCAGAGC	20
MK16411-R	AGAGGACAAAGCAACCAACG	20
MK16828-F	ACAAGCGACGGAAAGACAAT	20
MK16828-R	TGGCCAATGATTATGCAAGA	20
MK16903-F	GGCTCAAGTGCTGTTTGTGA	20
MK16903-R	AGGGTGGAACACCCAAGAT	20

MK17102-F	CGGCAGAGAACAAGACACAA	20
MK17102-R	AAAGGGGTACGACGATGATG	20
MK17294-F	GAAGCTTGTTCTAAACCAAGTG	23
MK17294-R	GAACGATGCTCTCCATCCAT	20
MK17400-F	GGCATCAGGTCTACCCTCTG	20
MK17400-R	AGTGAGACTCCATGCCGAAC	20
MK18246-F	CCGATAGAGGATGAACAGGTG	21
MK18246-R	AATGATGCAAGGAGGAGGAA	20
MK18274-F	GTGCCACCTATCCAACCTC	20
MK18274-R	GCTCCATCTCGAATGCCTC	20
MK18324-F	GGTGGGACCTGAAAGATACG	20
MK18324-R	TTGTTTGCCATGATTGATCC	20
MK18369-F	TCAATGATTCCATGCTTCCA	20
MK18369-R	TTGGTTGTGTGGGTTCAAAA	20
MK18461-F	AGCCTCCACTTCAGCCACTA	20
MK18461-R	TACTCCCCACCAAGTTTTGC	20
MK18676-F	AGGAGTAGAGCAGGCCATGA	20
MK18676-R	ATTTGGTCAACCGAGCTGTC	20
MK18692-F	TGACGTTACCCGAGAAGAGAA	21
MK18692-R	ACCGAGGGAGAAGAAAGAGG	20
MK18788-F	TGTTGTCATGCACCATCAAG	20
MK18788-R	TGGATGTGTTTTGCGTCACT	20
MK18869-F	GAAGCCTGTCTTGACCTTC	20
MK18869-R	TCCACCATAGCCTTTTGCTC	20
MK19005-F	GCAGGCTTGAGGCTTAGTTG	20
MK19005-R	CTCGGCATCAGTAGGGACAT	20
MK20039-F	ACGCACCAGACTCTTCCATT	20
MK20039-R	CGAGTCAATCAGTTCATTTTGG	22
MK2005-F	TTGTTGATCCACCGAAACAT	20
MK2005-R	AAAAGCAATTCACGCAAACC	20
MK20154-F	TTTGACCCACACATCACGTC	20
MK20154-R	AGAGGAAGGGGAAGATACCG	20
MK20255-F	TCATCTTGACCGTTGCTCTG	20
MK20255-R	TGATAACACGGCACCACACT	20
MK20300-F	GTGCACCATGCAAACCTGT	20
MK20300-R	CCCTCCACTCCTTTTAGTGC	20
MK20360-F	GTGCCGTAATGCTTTCCAAT	20
MK20360-R	AAGCTTGTGCTTGAGGAGGA	20
MK20423-F	GTTTCTAAGGCTTGCCTCCA	20
MK20423-R	CCGCTGCACTCATTCAAATA	20
MK20437-F	GTACCCAGGTCTGGTCCTCA	20
MK20437-R	GGGAAGGACTCGGATACACA	20
MK20537-F	GCTCATGGAGTTCCAACCAT	20
MK20537-R	TTAGAGGGGATTGCGTCAAC	20
MK20614-F	CAATGGCCAACCATTCTTTC	20
MK20614-R	AGCCATTACACCATTACCA	20
MK20880-F	CAAGTCGTCGGCATGAGTTA	20

MK20880-R	AAAGAGCTCGACTCCACCAA	20
MK27025-F	AGAAGTGGGTCAATGCCAAG	20
MK27025-R	AACGGTGTGAAGCCATAAGC	20
MK28601-F	TTCACATGGAACGCGTAACT	20
MK28601-R	GCCGTAAGGGACATCGTAGA	20
MK28603-F	GATTAGGCGTCCGATTGGTA	20
MK28603-R	GCCTGGAGAAGAAGCACAAC	20
MK29977-F	CGAAAATTAGCTCCCACTCG	20
MK29977-R	TGCCAGGGATGGATAGAGAG	20
MK30073-F	GGGGTTAAAACACTTGCCTTT	21
MK30073-R	CCGCCTAAGCCTCTTACCT	20
MK30097-F	CATAGCTCCTTGCCACCACT	20
MK30097-R	CACGTGAGAGCATCAAGCAT	20
MK30158-F	CGCTTGACACGTTCTCATGT	20
MK30158-R	GCCTGGCTTTCATTTGTCTC	20
MK30694-F	CTCCTTCCCTCTCACAGCAG	20
MK30694-R	GCAAAAGATGAGGGTGGAGA	20
MK31200-F	ACGCAAAGATTGAAGCCACT	20
MK31200-R	GTAGTGACGGCTGCTTAGGG	20
MK31402-F	GTCGCTCCGAAATCTGAAAA	20
MK31402-R	CGGGATGCCACAATATATGA	20
MK31458-F	CGCTCGAGAGACTTCAGGAC	20
MK31458-R	TCAGGCCCTTTGCAGTATTC	20
MK31538-F	TCAGAAACTTTTGGGCCTTG	20
MK31538-R	GCATGTGGTTCACAAAATC	20
MK31893-F	TTGCAATAAAACGGGAAAGC	20
MK31893-R	GATCGCCTGGGTAAAGACAA	20
MK32056-F	CATTGTGTTGGACTCACATGAA	22
MK32056-R	CGTGCATGAACAAATGGAAA	20
MK3245-F	ACTGACGCATTCCTCCTCAC	20
MK3245-R	TTCTTATCTCCACCGAGTCTCAC	23
MK3622-F	GCATTACCTGGCAAACCCTA	20
MK3622-R	AGTGGTCCTGTTTGGACTGG	20
MK36246-F	GGATCCAAAAGTAACCGCAAT	21
MK36246-R	TCAAAGCCCATTTACACCTCT	20
MK36406-F	GAGGAGCTCTGCTCGAGGTA	20
MK36406-R	CTCGCCACCAATCCAAGTAT	20
MK3657-F	GGGAGATCGAGGTAGTGCTG	20
MK3657-R	TTTGTTCATGTGCGTCGATT	20
MK36774-F	ATCAATCCGATGGCTTCAAC	20
MK36774-R	GCATCACACTTCTACATCATCCA	23
MK3698-F	ATGCTGGTCTCTGTCGTCCT	20
MK3698-R	ACTTTGCCATCCACCATAGC	20
MK36985-F	GGGTGCTCATCAAACAACCT	20
MK36985-R	TGGCAGAGCAACTCCTACCT	20
MK37072-F	GACGGAGAGACGGAAGTGAG	20
MK37072-R	AGCAACGAAGCGTTATTGTG	20

MK37283-F	AAAAGGAATCGCGACAGAGA	20
MK37283-R	CGGTAGGGTAGCCGATACTG	20
MK37351-F	ACAGCATCCAAGTCCCAAAC	20
MK37351-R	GATCCCCGAGTAAACCCAAT	20
MK37357-F	CAGCATCCATCACATGCTTT	20
MK37357-R	CGATCATGACACCACCAGTC	20
MK37362-F	CAAGTTGACCCAAACTGAGGA	21
MK37362-R	TGGTGCCCTTGTAGTCATGT	20
MK37450-F	AGTGTGGTGTATTGCGTCCA	20
MK37450-R	ATAAGAAGCAGTGCGGAGGA	20
MK37457-F	CATGTAACGGGCACAGAATG	20
MK37457-R	AATCATCCGTTCTGCTCTCG	20
MK37474-F	CCAAACATATGGACGCATGA	20
MK37474-R	GAAGTGCTGTTGCATGGAGA	20
MK37480-F	GATTTTGAACGCCAGACCTC	20
MK37480-R	CCTTTCTCATCCACCCTCAA	20
MK37816-F	GAGCCTCAAGGCATCAGTTC	20
MK37816-R	CGAAATCGGTGAGGTGAGAT	20
MK37880-F	GGCAAGTGGTAGGGCAAATA	20
MK37880-R	CTGAAACCGACACAGACGAA	20
MK37906-F	GTTCCCTCATCAGCGTTC	20
MK37906-R	GTTTCATCGCAATGCAGTTTG	20
MK37962-F	AATCCCTCTGCTTTCGTGA	20
MK37962-R	AACCAGGAGGCCCATAGAAT	20
MK37981-F	GTTGAAGGGATGGGGAAGAC	20
MK37981-R	ATCTGAACCAGCCGAGTTGT	20
MK38064-F	GCAGTGGGAAGGGACATAGA	20
MK38064-R	AAAGCTCAGAACCGCACATT	20
MK38111-F	ACGGTCAATCTGCTGCTTCT	20
MK38111-R	TTTGATCTGCCACTTGTTCTG	20
MK38149-F	TCCCAAAGCTCTGAAGAAGG	20
MK38149-R	CCACACATGCCCTTAGGTT	20
MK38203-F	CCTTTGTTTTCCCTTCACAG	20
MK38203-R	GAGGACGAGGACGAAGAGTG	20
MK38267-F	TGGCAAGAGTTTGAGATTGG	20
MK38267-R	CGAACCGTGATGCCTAGATT	20
MK38437-F	CTGGGGACAGCTCTGAACA	19
MK38437-R	ATCACCTTCCCAAAGCTTGA	20
MK38612-F	CTTTGTGCAGGTGTTTTGAGA	21
MK38612-R	GAGACTCCCAAGTCCAC	20
MK38622-F	TCAAGCTCGTATGCCTTGTG	20
MK38622-R	CCTGGTTTTGGCTTCTGTC	20
MK38719-F	GTTTGCTGCCACTGATGAGA	20
MK38719-R	TTAAGGCGTTTCCCAATGTC	20
MK39256-F	GCGAATCACGGAGCTCTATC	20
MK39256-R	CATCACTCTCGACCGTAGCC	20
MK39505-F	TCAACATGGTTGGTGACGTT	20

MK39505-R	TGTCAGTCAGCTACGGATGC	20
MK39738-F	AACATGACGCGCAGCTACT	19
MK39738-R	TCTCCTTTGCGCTTGATTT	20
MK40222-F	CATGACGACTGCTTCCTTGA	20
MK40222-R	CCTGCTGTACACAACCATCG	20
MK4062-F	AGGGAGACTCGTAGGGTGGT	20
MK4062-R	GTGGTCATGGGGAGAGAGAG	20
MK41177-F	TGTGATAATTGACGCATCAGC	21
MK41177-R	TGCTGATTCAAAGCTGGAAA	20
MK4125-F	TCCTCTGGTCCCTTCTTTGA	20
MK4125-R	TTATGCATTGAGCAGGATCG	20
MK41716-F	AAGGGATGTCATGCGTAAGTC	21
MK41716-R	GCCCTTGAATGAGACACCAT	20
MK4299-F	GATGGGATCATGGGAATACG	20
MK4299-R	CAAAGCGTGATATTGGCTCA	20
MK4320-F	TGGATGCGTGTGGACTCTTA	20
MK4320-R	CCCTCAACCACAAATGAACA	20
B219_p1787028_CF	CACCTTTGTGATTTTATCTTGCAG	24
B219_p1787028_CR	CATTGCAGATTATTGATTCTGA	23
B304_p180688_CF	AGACATCACAATGGCCTTCA	20
B304_p180688_CR	TTGAAGCCCATGTCAACAAA	20
B304_p916744_CF	ATGCCATTTGAGGCAAAGAT	20
B304_p916744_CR	TGATTCGTGAGCTTGCTTTG	20
B304_p916744_HF	TGAATGAGAGATTTCATTAACCATT	25
B304_p916744_HR	TGGAATCTTGAGCAAGAAGGA	21
B390_p188652_CF	GAAGCACACCCAACTCAAGG	20
B390_p188652_CR	TGCCCTCCTTGAGAAATCAC	20
B390_p188652_HF	TGTTGGCAATCTAAAGCTACCTC	23
B390_p188652_HR	TGGAATTTCAAGCTCAGGTTT	21
B1983_p53170_CF	CGCTTCCTATCTCGCAAATC	20
B1983_p53170_CR	TGACCAGCCATCTTTCTTCA	20
B1983_p53170_HF	AATTTGACATGATTAGAGGCTTATCT	26
B1983_p53170_HR	TGCAGTTGAACAAGAACTTCCA	22
B573_p91983_CF	CTATGTCACCCCTCCTTCA	20
B573_p91983_CR	ATGAACAATCATCGCCCAAT	20
B294_p157137_CF	GGAGACAAGCAGGTGAAAGC	20
B294_p157137_CR	AGGCGGAGAAGCAGTACAAG	20
B294_p157137_HF	TTCTTCCTTCTCCCTGAGGA	20
B294_p157137_HR	GAGCAGCAGCTTGCAGTAGA	20
B1136_p345210_CF	CCGGTGTATCTGGCTTCTTA	20
B1136_p345210_CR	TGTTGGCAGGCTGTTTACCT	20
B1136_p345210_HF	TGCTATGCTAAAACATGCTTAATGT	25
B1136_p345210_HR	GCGTTGTAAATGCTATTGAAAGA	23
B207_p401005_CF	TTTTCTGATCTCGCCCTGTT	20
B207_p401005_CR	TGTGGACCAAACCAACTTCA	20
B207_p401005_HF	CGATCCCTCCACTTTGAATC	20
B207_p401005_HR	AATGGAAAACAAGCCGACTC	20

B24_p1961763_CF	TAATTCGGGATGCTGAAAGG	20
B24_p1961763_CR	AAGCTTCATGACATCGCTGA	20
B24_p1961763_HF	CAAACAAGACATAATTTCCAGCA	23
B24_p1961763_HR	GATGTGTCCCGAAGGCACTA	20
B798_p443470_CF	TCCAACCCCATCAGTCTTTC	20
B798_p443470_CR	CAGGTTTCTTGGGGATTGAA	20
B798_p443470_HF	CCTTCAAATACGGCATCCTG	20
B798_p443470_HR	GAATGCATGCAAGTTTAAAGAAGA	24
B1236_p72171_CF	AAAGAGCAGGAAGGATCCAA	20
B1236_p72171_CR	GGTGGCTTCAGGTACATGCT	20
B1236_p72171_HF	TTCATGTGGTCAGCTTCTTCA	21
B1236_p72171_HR	ATGTTCCCTTCGATCCATTG	20
B426_p121021_CF	TTGCGTTCAGTTGTAGCAG	20
B426_p121021_CR	CTCAGGAATTGGTGGAGGAA	20
B428_p34099_CF	GGAAAATGCATCTGGTCTCAA	21
B428_p34099_CR	TGGTACCCATGAGGGTTTGT	20
B428_p34099_HF	TTCATTTCCATTTGTCCTTGC	21
B428_p34099_HR	ACCTAAGATTGGTTTCAGATTGTT	24
B319_p473177_CF	CTGTTAGGTGGCCAACGGTA	20
B319_p473177_CR	AACAGCTTAGGCCCTTCAT	20
B319_p473177_HF	TGTTGGGCTAGAGGTTACAAGA	22
B319_p473177_HR	TTCTCCATGCTGAAGCCATA	20
B129_p348551_CF	TCAGCTGCTGCGTGTAAATC	20
B129_p348551_CR	TGTGCAATTCATCTGCTTG	20
B1954_p156765_CF	TTTCGCATGGCCTTATAACC	20
B1954_p156765_CR	AAATCATTGGGGGAATGGTG	20
B663_p42378_CF	GAAGAGGAAGGGGAATGGAG	20
B663_p42378_CR	TTCAACCAAATGGGAAAAGC	20
B663_p42378_HF	CCGATTGTATTTGGAGCTCTT	22
B663_p42378_HR	AAGTCAGATCTCGCAATAAGC	22
B62_p80710_CF	AATGACGGCTGCATTCTTCT	20
B62_p80710_CR	TCCCACCAAGCATAAGATCC	20
B62_p80710_HF	CGAGTGGTAGCTGCATGAGA	20
B62_p80710_HR	CAGCGTGATTCCAATGAATG	20
B128_p226799_CF	CACAAGGCACTCAAAGCTG	20
B128_p226799_CR	TTTGGATTCCCTAGCATGG	20
B128_p226799_HF	AAAAGGGGGAAAGAGATGGA	20
B128_p226799_HR	GACCAGGTTAGGTTGCATCA	20
B261_p527879_CF	TGGGCATACTCAACCCCTAC	20
B261_p527879_CR	CTGAACCACTCCATGCAGAA	20
B261_p527879_HF	AGAGCTTAGCTTGCGGGTTT	20
B261_p527879_HR	AGAAGTAGCTGAGCCTGCAAA	21
B1201_p48228_CF	TGGGAGATGACCAGATCTTTG	21
B1201_p48228_CR	AGGCTTCCACATTTGCACAC	20
B1621_p105901_CF	AACAGCTCGCTTTGTTGGTT	20
B1621_p105901_CR	GGAAAAGGGCACACACTGTT	20
B798_p100008_CF	CCAAAGAGCATGTGAAGCAA	20

B798_p100008_CR	CAAGTCAAAGCAACCATGC	20
B798_p100008_HF	ATGGTGTGGATGCTTGAC	20
B798_p100008_HR	TTAACTCCTTTACATATGAGACAAGC	26
B189_p139182_CF	GTCCACACCGACTGGAAGAT	20
B189_p139182_CR	TTGGAGAGCGGAGATTCTGT	20
B119_p330471_CF	GAGCCCAACAATCATTCTTCA	21
B119_p330471_CR	TAACCAAACCGGGAACATC	20
B119_p330471_HF	TGATAATTAGAACACAATGCACCA	24
B119_p330471_HR	TGAGGAGGCTAGCCAGATTT	20
B141_p331647_CF	CATCGTTGATGTTGGGCATA	20
B141_p331647_CR	TGGCATTAGGTGGAAGTTGG	20
B141_p331647_HF	CTCAGGTCTTGGATTGACTGG	21
B141_p331647_HR	CAAAGAGAACCAAGTTAGTCCTTACA	26
B3275_p5337_F	CTATCCTTCTTAAAAAATACACTT	25
B3275_p5337_R	ATGGGCAGCGTTAATTTG	18
B2339_p37138_F	CAAAGATCACAACCTGGGTTATG	22
B2339_p37138_R	TCTGCTGAAGAGAGCGTGAA	20
B1180_p295019_F	GAGGTAAGCTGTAAGCAAACC	22
B1180_p295019_R	AGCAAGGTTGCCTATGCACT	20
B53_p279092_F	TGATGACGGCCACGCTCT	18
B53_p279092_R	GACATCTATTCCGGGCTCAA	20
B59_p801451_F	TTGGGAGGCTCCAAACCTAG	20
B59_p801451_R	ACCGCAAGGAGAGCATAAGA	20
B517_p517035_F	TTAAGGATCGATGGAATAAACTGTC	25
B517_p517035_R	GTATTTGCTTCCCACGCATT	20
B138_p244485_F	AGAAAATAACATACTCAGGCAAATG	25
B138_p244485_R	TGAAGGAGGTGATTCCAAG	20
B529_p155335_F	CGTGATTGCTACATCAATTATATTGAC	27
B529_p155335_R	TTGCTCCAACAACAGCAAAG	20
B849_p104606_F	GGATGGACTCTCGCTCTCG	19
B849_p104606_R	AAAGTGGGATGAGTGGTTTCG	20
B1009_p39148_F	GGTTGAATTTTCAAATTTCAATAG	24
B1009_p39148_R	AGCAGAAGGTTAAAGCAGCA	20
B1111_p113471_F	TAGCCACATATGCAGAGTTTAAAGTAG	26
B1111_p113471_R	GGATTGGCTCTGGGTGTAGA	20
B2998_p5987_F	AAGTCAACATGTCAGAGCATAGCTAGA	27
B2998_p5987_R	CTTGGGCAATACCATCACCT	20
B1612_p176753_F	CCAATCAAGAACGCTCCATT	20
B1612_p176753_R	CCCTCCGCCCTATTTACAG	20
B10_p1288202_F3	TTCTGCATGGTTCAACTTG	19
B10_p1288202_B3	CTGAAGCTTCCGCGAGTG	18
B10_p1288202_FIP	CGGATAAGATATAGGAGTCCACGATGCCTATTTATGTTTACAGTAGCA	48
B10_p1288202_BIP	CCTCACCGGATCGTCATCAAGACCGAGAGAGACGAGTC	38
B789_p185113_F3	CACTTCTACCAAATTCCTGT	22
B789_p185113_B3	GCTTTTTTTAATCTGCATATGTTATTA	28
B789_p185113_FIP	CAGTGAAGCATCATTAAAGACTTGTGAAATTGGAGAGTAGAAGCT	46
B789_p185113_BIP	TACCTGGGACGTAATTTTTCTACCCAAACTGGATGAGGCCATT	43

B2648_p43937_F3	GACAAAGGCCTGGTTAACATTA	22
B2648_p43937_B3	CAGCCCAACTCAAGACAA	18
B2648_p43937_FIP	GAGGGGAATAGTTCGCACTTAATTGGATCCCCTACCTTATGTCCTA	46
B2648_p43937_BIP	GGATAAGGAGGGATTAATAATCGGGTGGTGATTAAGTCTAACACAAACC	48
B108_p1105496_F3	GGAACAAATAACAAAAACGTGTAA	25
B108_p1105496_B3	GCTTTTCTGAACTATACATGAAGT	25
B108_p1105496_FIP	GGCGAGATTGTGATTTAGGTAAGATCTTGATAAGAAACCATGACA	47
B108_p1105496_BIP	GTCAACAAGATTGCCTCGTCTGCTCCAGTAATTTGGCT	40
B293_p524901_F3	TCATCTCTTTGTGTTCAACAAC	22
B293_p524901_B3	GATCTTATTAAGACATAGTACTAAGAA	28
B293_p524901_FIP	TCATTCATTTCCGGTTCTGTGATCGTGCACAAGATGTGAAGG	42
B293_p524901_BIP	TTGTTACCACATGAACATCGTTACACCAACGCAAAACCATC	42
B24_p2409554_F3	TGGGTCTAAAATTTGTGATCAATG	24
B24_p2409554_B3	ATCCAGTGTTCAGGTG	18
B24_p2409554_FIP	ACTCCACTAGCCATCCAACATCATTCTGCTTACATTTTTGGT	43
B24_p2409554_BIP	TGTTCTTATATTTAGGTTGGAGCTGGACAACAACATCAATAGGAG	46
B189_p316471_F3	AGGATCACAAACCATATGCTT	21
B189_p316471_B3	TGTAATAAAGCTTCTTACAACCT	23
B189_p316471_FIP	CTGGAGAAAATCTTCTCTTTTGTCAAGAGTTGCTCTCCAAGG	44
B189_p316471_BIP	AGGATATTATCCCTCCATACACCGTGAGGAAGTCAATAAAAAGAGA	47
B21_p1098301_F3	GCGTGGGTGTGGGGAA	16
B21_p1098301_B3	GTGTTTTGTGTAATTTACTCGA	22
B21_p1098301_FIP	GACGGCGGAAGATAAGGGTGTCCAACGTGATTTCTGTC	38
B21_p1098301_BIP	CATCATTAAAGATGTGGCCAAATCAGTAGGATTGTGTGTATGG	45
B20_p200436_F3	CTGCTAAAGGACTGCAATGC	21
B20_p200436_B3	TGATGATCGACCACGGCA	18
B20_p200436_FIP	AGCCACACACGATCGACGTGCGACTAACCCCTCCACCGA	39
B20_p200436_BIP	CGCAACCTCCGAAGAAAAGCTGTCATCCTGTGGTTGCTGC	40
B849_p525726_F3	GCATTGTAAAGTATGGTTTCATCT	24
B849_p525726_B3	TGAAGCAATTTAGTCAATACGAA	23
B849_p525726_FIP	TCTCATGATAGCATTAGCCATTGGTTTCAGAAAAACCAACATCCAC	46
B849_p525726_BIP	TGTCCATAAACATCAGTGCTACTGTGTTGGTGAGAAATGTGT	43
B258_p872695_F3	GAAGATCCAGATGTCAGGTAG	21
B258_p872695_B3	TCGATACTAAATGGTGGCATT	21
B258_p872695_FIP	TCTCGTCTTTATCACAATCGTCTAACCACCACAAATAATCCTCAC	46
B258_p872695_BIP	AGGAACCTAAGATGTGGTAGAACTCCCTTTTGGAGCTGTT	41
B517_p463211_F3	AGAGATCAAAGCCACCATC	19
B517_p463211_B3	TCCGATATGATCTGCTGC	18
B517_p463211_FIP	TCTGGAAGGAACACCACCACCTGCTCAGAATTTGATGTC	41
B517_p463211_BIP	TCTCATGGCTCCTTCGTTGGTTTCTCTTGTGCGGGTTG	38
B2468_p83947_F3	TTGTGCCACCTCAAGAT	18
B2468_p83947_B3	AAAGACCTAAGAGTAGTGCA	20
B2468_p83947_FIP	AGTTGAAAGACTGGTTTATGAAGAGATGGACGATAGTACTACTTCG	47
B2468_p83947_BIP	TCAACCTCAATCTTCCGTCCAACAATCAACGAATGAGGAG	42
B162_p64270_F3	GTGATAGAATGCGTTCTTCC	20
B162_p64270_B3	GAATTCATGTGAATCCATG	21
B162_p64270_FIP	CTTTGCCCCGATGTTGTAGGGCTCCGAGAGACCAGTAC	39

B162_p64270_BIP	GAGAACGGAGCAGGAGTTCCGCCAGCGAACATAGGAAG	38
B1013_p235432_F3	AACAACCCTGAGACACAG	18
B1013_p235432_B3	AACCATTCCATAGAAGCTCC	20
B1013_p235432_FIP	TCGGGACTTGTCATCGTCTTTTTTACAACGAAAGCACAATCG	42
B1013_p235432_BIP	TAGAAAAGAACTGCAAGATCGCTTACCAGACCAAGCCCTAG	41
B1020_p31975_F3	CTTCATTGGCAACTATGTAGGAG	23
B1020_p31975_B3	CGTCGAACCACCTCATCG	18
B1020_p31975_FIP	GGCTAGTCCTCACAGCCCTTGGCACAGTGCAGTCGCAAT	40
B1020_p31975_BIP	GCTTAGTGCAGGCATGTCAAGCGTCCGAGGCCAACGATCA	40
B1102_p17572_F3	ATAACTGGCCAGAACTATTAATCC	25
B1102_p17572_B3	AGGATCACTCCAGACATTG	19
B1102_p17572_FIP	GCCACAGAAACATTCACATTTGTGTATCGATATTAGGGGACTCATG	46
B1102_p17572_BIP	AGAGATGGAGGAACTCAAAGTAAGGTAGAAATGGACGATCCGG	44
B20_p37618_F3	GAGATGGATAAGCACTTCAGC	21
B20_p37618_B3	CAGGTCAATCCTTGACAA	19
B20_p37618_FIP	TGCATAGTTTGGATGCAGTCAGAGCATGAAAAACAGTTTGTGAGT	45
B20_p37618_BIP	TGCAATTGTTGTTTGACAATTGACCCGGGACCCTTTTCACTC	43
B2348_p27643_F3	GCAGTGTACGTCCTTGTGC	19
B2348_p27643_B3	GAGTCTCGAGCAGAGACTCT	20
B2348_p27643_FIP	TGCGTAAGAGAATGGCCATCCCAACCAAGATCATGGGAGGGT	42
B2348_p27643_BIP	GAGACCTCAACCACGACGACTGAGAACTGCTCATGGGTGTG	41
B304_p825419_F3	GTGTGTGCAGCATTGACTTC	20
B304_p825419_B3	TCATCGTGCTTCGTCTTGT	20
B304_p825419_FIP	AGCAAACAGGAGGGTTGCCTTTACCGAGGCAAGACGTGTT	40
B304_p825419_BIP	GTCAACCACCTACAGGTGCGATCCTTGTAACGGCAGCATTTC	41