Table S2 Primers for 454 sequencing

Primer name	Fusion primer (5'-3')	MID_Tag	PCR primer (5'-3')
dw3E1F1_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCAC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGT	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTG	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGT	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAG	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGAT	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGT	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTAC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACT	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTA	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCG	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACG	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACA	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTA	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTAC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGAC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGA	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCAC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTA	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGA	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTAC	CTAGYAGCGACCCGGAGGAGAT
dw3E1F1_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAG	CTAGYAGCGACCCGGAGGAGAT
dw3E1R1a_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		ACYTGGCCACCAGCCGCACCA
dw3E1R2a_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGCGT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCACTC	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGTAG	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTGTC	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGTCT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAGTG	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGATAC	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGTAC	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTACTC	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACTAG	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTATG	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCGTG	TGGCTCCGCGACGACAGCTT

dw3E1R2a_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACGAG	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACAGT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTACT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTACGT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGACGT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGACT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCACGT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTAGT	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGAGA	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTACGA	TGGCTCCGCGACGACAGCTT
dw3E1R2a_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAGTA	TGGCTCCGCGACGACAGCTT
dw3E1F2a_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		ATGGTGCGGCTGGTGGCCARG
dw3E1R4_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCAC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGT	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTG	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGT	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAG	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGAT	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGT	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTAC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACT	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTA	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCG	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACG	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACA	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTA	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTAC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGAC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGA	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCAC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTA	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGA	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTAC	GTGACGGGTAGGCGAAGTCAAC
dw3E1R4_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAG	GTGACGGGTAGGCGAAGTCAAC
dw3E1F3a_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		AAGCTGTCGTCGCGGAGCCA
rht1F1_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGCGT	AAGGACAAGATGATGGTGGC
rht1F1_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCACTC	AAGGACAAGATGATGGTGGC
rht1F1_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGTAG	AAGGACAAGATGATGGTGGC

rht1F1_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTGTC	AAGGACAAGATGATGGTGGC
rht1F1_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGTCT	AAGGACAAGATGATGGTGGC
rht1F1_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAGTG	AAGGACAAGATGATGGTGGC
rht1F1_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGATAC	AAGGACAAGATGATGGTGGC
rht1F1_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGTAC	AAGGACAAGATGATGGTGGC
rht1F1_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTACTC	AAGGACAAGATGATGGTGGC
rht1F1_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACTAG	AAGGACAAGATGATGGTGGC
rht1F1_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTATG	AAGGACAAGATGATGGTGGC
rht1F1_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCGTG	AAGGACAAGATGATGGTGGC
rht1F1_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACGAG	AAGGACAAGATGATGGTGGC
rht1F1_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACAGT	AAGGACAAGATGATGGTGGC
rht1F1_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTACT	AAGGACAAGATGATGGTGGC
rht1F1_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTACGT	AAGGACAAGATGATGGTGGC
rht1F1_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGACGT	AAGGACAAGATGATGGTGGC
rht1F1_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGACT	AAGGACAAGATGATGGTGGC
rht1F1_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCACGT	AAGGACAAGATGATGGTGGC
rht1F1_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTAGT	AAGGACAAGATGATGGTGGC
rht1F1_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGAGA	AAGGACAAGATGATGGTGGC
rht1F1_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTACGA	AAGGACAAGATGATGGTGGC
rht1F1_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAGTA	AAGGACAAGATGATGGTGGC
rht1R1_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		GAAGACGAGGACGAGGAAGA
dw3E2R1_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCAC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGT	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTG	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGT	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAG	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGAT	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGT	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTAC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACT	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTA	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCG	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACG	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACA	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTA	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTAC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGAC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGA	GCAGCTTGATGATGAATGAGTG

dw3E2R1_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCAC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTA	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGA	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTAC	GCAGCTTGATGATGAATGAGTG
dw3E2R1_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAG	GCAGCTTGATGATGAATGAGTG
dw3E1F6_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		GTTGACTTCGCCTACCCGTC
dw3E3F9_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGCGT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCACTC	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGTAG	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTGTC	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGTCT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAGTG	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGATAC	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGTAC	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTACTC	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACTAG	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTATG	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCGTG	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACGAG	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACAGT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTACT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTACGT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGACGT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGACT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCACGT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTAGT	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGAGA	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTACGA	TGAGCGCGGTCTGCAGCTGT
dw3E3F9_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAGTA	TGAGCGCGGTCTGCAGCTGT
dw3E3R1_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		CGTAGGAGGAGTTGCGCGTC
dw3E3F10_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGC	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCAC	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGT	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTG	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGT	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAG	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGAT	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGT	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTAC	TCCGACTTCTCCAACGCCGACT

dw3E3F10_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACT	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTA	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCG	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACG	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACA	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTA	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTAC	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGAC	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGA	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCAC	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTA	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGA	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTAC	TCCGACTTCTCCAACGCCGACT
dw3E3F10_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAG	TCCGACTTCTCCAACGCCGACT
dw3E3R10_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		GATGGCGGARCGCACGTTCT
dw3E3F11_SP1_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACGAGTGCGT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP2_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGACGCACTC	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP3_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGCACTGTAG	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP4_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CTCGCGTGTC	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP5_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGATACGTCT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP6_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CATAGTAGTG	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP7_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGAGAGATAC	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP8_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTCTAGTAC	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP9_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TGTACTACTC	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP10_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGTAGACTAG	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP11_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACGAGTATG	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP12_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TACTCTCGTG	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP13_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TAGAGACGAG	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP14_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ACTGTACAGT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP15_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	ATAGAGTACT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP16_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CACGCTACGT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP17_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CAGTAGACGT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP18_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGACGTGACT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP19_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGATCACGT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP20_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TCGCACTAGT	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP21_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	AGTCGAGAGA	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP22_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	CGCAGTACGA	GCATCTCGGTGATCGTGCAG
dw3E3F11_SP23_FA	CCATCTCATCCCTGCGTGTCTCCGACTCAG	TATGCTAGTA	GCATCTCGGTGATCGTGCAG
dw3E3R11_FB	CCTATCCCCTGTGTGCCTTGGCAGTCTCAG		GGAGACCATGAGCACCATGAAG