

Supplemental Table 1. Probe se

chicken 18S rRNA 1
chicken 18S rRNA 2
chicken 18S rRNA 3
chicken 18S rRNA 4
chicken 18S rRNA 5
chicken 18S rRNA 6
chicken 18S rRNA 7
chicken 18S rRNA 8
chicken 18S rRNA 9
chicken 18S rRNA 10
chicken 18S rRNA 11
chicken 18S rRNA 12
chicken 18S rRNA 13
chicken 18S rRNA 14
chicken 18S rRNA 15
CK 28s rRNA 1
CK 28s rRNA 2
CK 28s rRNA 3
CK 28s rRNA 4
CK 28s rRNA 5
CK 28s rRNA 6
CK 28s rRNA 7
CK 28s rRNA 8
CK 28s rRNA 9
CK 28s rRNA 10
CK 28s rRNA 11
CK 28s rRNA 12
CK 28s rRNA 13
CK 28s rRNA 14
CK 28s rRNA 15
CK 28s rRNA 16
CK 28s rRNA 17
CK 28s rRNA 18
CK 28s rRNA 19
CK 28s rRNA 20
CK 28s rRNA 21
CK 28s rRNA 22
CK 28s rRNA 23
CK 28s rRNA 24
CK 28s rRNA 25
CK 28s rRNA 26

CK 28s rRNA 27
CK 28s rRNA 28
CK 28s rRNA 29
CK 28s rRNA 30
CK 28s rRNA 31
CK 28s rRNA 32
CK 28s rRNA 33
CK 28s rRNA 34
CK 28s rRNA 35
CK 28s rRNA 36
CK 28s rRNA 37
CK mito 2865 1
CK mito 2865 2
CK mito 2865 3
CK mito 28654
CK mito 2865 5
CK mito 2865 6
CK mito 2865 7
CK mito 2865 8
CK mito 2865 9
CK mito 1662 1
CK mito 1662 2
CK mito 1662 3
CK mito 1662 4
CK pG728 1
CK pG728 2
CK pG728 3
CK pG728 4

Bacterial sequences

16s rRNA conserved 1
16s rRNA conserved 2
16s rRNA conserved 3
23s rRNA conserved 1
23s rRNA conserved 2
23s rRNA conserved 3
23s rRNA conserved 4
23s rRNA cons1967 1
23s rRNA cons1967 2
23s rRNA cons1967 3

Lactobacillus 16s 1325

Fpausnitzi deletion 1249
O.rhintraceale 16s 1310
Lactobacillus 16s 1186p
Lactobacillus 16s 1063 probe
Lactobacillus 16s 920 probe
Lactobacillus 16s 800 probe
Firmacutes 16s rRNA 28
Firmacutes 16s rRNA 148
Firmacutes 16s rRNA 229

Proteobacteria 16srRNA 1277
Proteobacteria 16srRNA 1125
Proteobacteria 16srRNA 1030
Proteobacteria 16srRNA 8
Proteobacteria 16srRNA 102
Proteobacteria 16srRNA 372

Bacteroides 16s rRNA+1308 pro
Bacteroides 16s rRNA+1378 pro
Bacteroides 16s rRNA+1182 pro
Bacteroides 16s rRNA+878 prob
Bacteroides 16s rRNA+288 prob

Acinetobacter 16s rRNA+1480 p
Acinetobacter 16s rRNA+1385 p
Acinetobacter 16s rRNA+1055 p
Acinetobacter 16s rRNA+888 p
Acinetobacter 16s rRNA +233 p

Firmacutes 23s rRNA 3045 probe
Firmacutes 23 rRNA 2850s probe
Firmacutes 23s rRNA 2730 probe
Firmacutes 23sRNA 2610 probe
Firmacutes 23srRNA 2490 probe
Firmacutes 23srRNA 2204 probe
Firmacutes 23srRNA 2115 probe
Firmacutes 23srRNA 1976 probe
Firmacutes 23srRNA 1825 probe
Firmacutes 23srRNA 1491 probe
Firmacutes 23s rRNA 1398 probe
Firmacutes 23srRNA 1256 probe
Firmacutes 23srRNA 1148 probe
Firmacutes 23srRNA 933 probe

Firmacutes 23srRNA 604 probe
Firmacutes 23srRNA 3 probe

Proteobacter 23srRNA 2878
Proteobacter 23srRNA 2757
Proteobacter 23srRNA 2637
Proteobacter 23srRNA 2529
Proteobacter 23srRNA 2429
Proteobacter 23srRNA 2222
Proteobacter 23srRNA 2094
Proteobacter 23srRNA 1952
Proteobacter 23srRNA 1801
Proteobacter 23srRNA 1463
Proteobacter 23srRNA 1363
Proteobacter 23srRNA 1149
Proteobacter 23srRNA 1055
Proteobacter 23srRNA 913
Proteobacter 23srRNA 784
Proteobacter 23srRNA 663
Proteobacter 23srRNA 488
Proteobacter 23srRNA 237
Proteobacter 23srRNA 14

Actinobacter 23s rRNA 3136
Actinobacter 23s rRNA 2897
Actinobacter 23s rRNA 2777
Actinobacter 23s rRNA 2657
Actinobacter 23s rRNA 2546
Actinobacter 23s rRNA 2363
Actinobacter 23s rRNA 2243
Actinobacter 23s rRNA 2084
Actinobacter 23s rRNA 1930
Actinobacter 23s rRNA 1485
Actinobacter 23s rRNA 1381
Actinobacter 23s rRNA 1205
Actinobacter 23s rRNA 1079
Actinobacter 23s rRNA 957
Actinobacter 23s rRNA 837
Actinobacter 23s rRNA 697
Actinobacter 23s rRNA 554
Actinobacter 23s rRNA 189
Actinobacter 23s rRNA 30

quences for depleting host and bacterial rRNA reads in poultry samples in conjunction with customized RNAs

TAA TGA TCC TTC CGC AGG TTC ACC TAC GGA AAC CTT GTT ACG ACT TTT ACT TCC TCT
ATC CGA GGA CCT CAC TAA ACC ATC CAA TCG GTA GTA GCG ACG GGC GGT GTG TAC AA
ATA ATT GCA ATC CCC GAT CCC CAT CAC GAA TGG GGT TCA ACG GGT TAC CCG CGC CT
GGC ATC ACA GAC CTG TTA TTG CTC AAT CTC GGG TGG CTG AAC GCC ACT TGT CCC TCT
ATC GGA ATT AAC CAG ACA AAT CGC TCC ACC AAC TAA GAA CGG CCA TGC ACC ACC AA
CGT GTT GAG TCA AAT TAA GCC GCA GGC TCC ACT CCT GGT GGT GCC CTT CCG TCA AT
TGC CCG GCG GGT CAT GGG AAT AAC GCC GCC GGA TCG CGA GTC GGC ATC GTT TAT GC
TTC TTG GCA AAT GCT TTC GCT TTA GTT CGT CTT GCG CCG GTC CAA GAA TTT CAC CTC
AAA ATA GAA CCG GAG TCC TAT TCC ATT ATT CCT AGC TGG AGT ATT CCG GCG GCC AG
GCA TCG AGG GGG CGC CGA GAG ACA GGG GCT GGG ACA GGC GGT AGC TCG CCT CGC C
CTA TTG GAG CTG GAA TTA CCG CGG CTG CTG GCA CCA GAC TTG CCC TCC AAT GGA TC
TTT TCG TCA CTA CCT CCC CGG GTC GGG AGT GGG TAA TTT GCG CGC CTG CTG CCT TCC
GGT CAC CAT GGT AGG CAC AGA CAG TAC CAT CGA AAG TTG ATA GGG CAG ACA TTC G
GGC GAG CCC GGG TTG GTT TTG GTC TGA TAA ATG CAC GCG TCC CCG GAG GTC GGC GC
GGA ACC ATA ACT GAT TTA ATG AGC CAT TCG CAG TTT CAC TGT ACC GCC CGT GTG TA
GACAAAAGCTTGTGTCGAGGGCTGACTCTCAATAGATCGCAGCGAGGGAGCTGCTCTGCTAC
ACGAACATGCGGTACGCGGCGGGGGAGAGGGCGGCGCCACATCTGTCCGCGCTCCGGTCCCGA
GAGCCCACCGAGGCGCCTCGGCGCTGCGGTATCGCTACGTTTAGGGGGGATTCTGACTTAGAA
ACATACACCAAATGTCTGAACCTGCGGTTCCCTCTCGTACTGAGCAGGATTACTAGCGCAACA
TTCCCTATTAGTGGGTGAACAATCCAACGCTTGGTGAATTCTGCTTCACAATGATAGGAAGAC
GTTATCCCTGTGGTAACTTTTCTGACACCTCCTGCTTAAAACCCAAAAAGTCAGAAGGATCGT
GCCCTTCTGCTCCACGGGAGGTTTCTGGCCTCCCTGAGCTCGCCTTAGGACACCTGCGTTACG
GTCGCGCCCCGGCGCGCGCCGGGCGCTTGGCGCCAGAAGCGAGAGCCCCTCGGGGCTCGCCCC
GGCCGCGGCGCGGGTTCGCGCGACCGCGGGGCTCCCACTTATTCTACACCTCTCATGTCTCTT
AAGCCCGTTCCCTTGGCTGTGGTTTCGCTGGATAGTAGATAGGGACAGTGGGAATCTCGTTCA
ATAGTTACTCCCGCCGTTTACCCGCGCTTCATTGAATTTCTTCACTTTGACATTCAGAGCACTG
ATTAACAGTCGGATTCCCCTGGTCCGCACCAGTTCTAAGCCGGCTGCTAGGCGCCGGCCGAC
GCGGGCCCCCCCCCGCCGCCGCGCGCCCGCGGCCGCCGCCGCCGCCCGCCCTCGCGCCCTCGCG
AGCGGGGGGGCGGAGGGGCAAGGAGGGGGGCGAGCGGCCGCCGCCGCCGCCCGCCCTCGCG
CCCCCGGCGCCCCGGCGAGCGGGAGCGGGGAAAGGGGGGGCGGGGGCGGGCGGCCTCGT
GAGCCAATCCTTATCCCGAAGTTACGGATCCGGCTTGCCGACTTCCCTTACCTACATTGGTCC
GCGAGATTTACACCCTCTCCCCGGATTTTCACGGGCCAGCGAGAGCTCACCGGACGCCGCC
CGCCCGGCCCTTACAAAGAAAAGAGAACTCTCCCCGGGGCTCCCGCCGGCTTCTCCGGGAT
GGATCTGAACCCGACTCCCTTTTCGATCGGCTGAGGGCAACGGAGGCCATCGCCCGTCCCTTC
TGGAACCCTGCTCCACTTCGGCCTTCAAAGCTCTCGTTTGAATAGTTGCTACTACCACCAAGA
GCGGCCCTCCTACTCGTCGCGGCGTAGCCCCCGCGGCTCCGCACCGCCGGCGACGGCCGGGT
TGTTACACACTCCTTAGCGGGTTCGACTTCCATGGCCACCGTCCTGCTGTCTAGATCAACCA
TTCATCCCGCAGCGCCAGTTCTGCTTACCAAAGTGGCCCACTGAGCGCTCGCATTCCACGGC
AGATCGTTTTCGGCCCCAAGACCTCTAATCATTTCGCTTTACCGGGTAAACTGCACCGCCGCC
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CTCACCTTCATTGCGCCGCGGGCTTTCGCGCGAGCCGCCGACTCGCGCGCGTGCTAGACTCCT
GCCCTGGCGTGGCCCGAGCCCGGCCCGCGCGCCGCGCGGTTCGGGGCGCACTGAGCGCAGT
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GCGCCGGACACCCGACCCCCCGCCCCGCGCCCCGGGACGGACCCGGGGCGGGGAACGG
CGACGCCGGTCCGGCCGCGGGGGGCCCTCCGGGGGGCCGCCCCCTCCGGGGGAGGGCGCGG
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GGCCGGGCGGCGGTCCCCGGCCCGCCCGCCCCCTGGGCCCGCCCGCCCGGCGAAGGGC
CCCGCCGGGTTGAATCCTCCGGGCCGACTGCGCGGACCCACCCGTTTACCTCTTAACGGTTT
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CCGGCCTCACACCGTCCGCGGGCTGGGCCTCGATCAGAAGGACTTGGGCCCCCCGAGAGCGG
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GGATTGCTCCGGTCTGAACTCAGATCACGTAGGACTGTTAATCGTTGAACAAACGAACCTTA
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TGGTCTGTGGGTTTGGAGGATTTTTTTTTCTCCAAGGTCGCCCAACCGAAAAATGTCGACCA
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TGAGGGAGTCAAATAGGGTTTTAGATTTTTTAATGAGGGAGCTTTGACGCACTCTTTTGTGG
GGTATGATCCACTTTACTGCTAAATCCTCCTTCTAAGGGCGGGTTTCACGTCCTTTTTCGTTTG
GTCTTATTAGCGAGGGGCTATTGAGCTCACTGTTGTTCTTTCATTAGAGGTGGGCTGGCGACG
TAGAACAGGCTCCTCTAGGTGGGTTTGGGGCACCGCCAAGTCCTTAGAGTTTTAAGCGTTTGT
ATTTAGGGCTAGGCATAGTGGGGTATCTAATCCCAGTTTGGGTCTAGCTTTTCGTGGGTTAAA
ATTTTTGCTAAAGCGGGATTGCTTAGAGAAAAGCGTGATTTTCGGGTAAATGGGATTTGCGA
TAAATGGGTATTCTCGAAGAGAAAACGCGTGATTTTCGGTTAAATGGGGATTTCGCGAAGAGA
TGGGGGATTTGCGAAGAGAAAACGCGTGATTTTCGCTTAAATGGGGGATTCTCGAAGAGGAA
GGGGATTCTCGAAGAGAAAACGCGTGATTTTCGCTTAAATGGGGGATTCTCGAAGAGGAAAC

TCCTCCCCGCTGAAAGTACTTTACAACCCGAAGGCCTTCTTCATACACGCGGCATGGCTGCAT
GTGTGGCTGGTCATCCTCTCAGACCAGCTAGGGATCGTCGCCTAGGTGAGCCGTTACCCACCC
TATGCGGTATTAGCTACCGTTTCCAGTAGTTATCCCCCTCCATCAGGCAGTTTCCCAGACATTA
TCCCACATCGTTTCCACTTAACCATGACTTTGGGACCTTAGCTGGCGGTCTGGGTTGTTTCCC
ATTCTCCGGTATTCGCAGTTTGCATCGGGTTGGTAAGTCGGGATGACCCCTTGCCGAAACAG
TCGGGGAGAACCAGCTATCTCCCGGTTTGATTGGCCTTTCACCCCCAGCCACAAGTCATCCGC
ACCTTCAACCTGCCCATGGCTAGATCACCGGGTTTCGGGTCTATACCCTGCAACTTAACGCC
ATTGCACTAACCTCCTGATGTCCGACCAGGATTAGCCAACCTTCGTGCTCCTCCGTTACTCTT
CGGGTCCACGTTAGAACATCAAACATTAAGGGTGGTATTTCAAGGTCGGCTCCATGCAGAC
GTCAAGCTATAGTAAAGGTTACGGGGTCTTCCGTCTTGCCGCGGGTACACTGCATCTTCAC

TCC ATG GTG TGA CGG GCG GTG TGT ACA AGG CCC GGG AAC GTA TTC ACC GCG GCA TC

CTC ATG GTG TGA CGG GCG GTG TGT ACA AGG CCC GGG AAC GTA TTC ACC GCA GCA TC
TAG GCA GCT CCT TTC GGT CAC CGA CTT CAG GTA CCC CCA GCT TCC ATG GCT TGA CGC
ACG GCT TTA AGA GAT TCG CTT GCC TTC GCA GGC TCG CTT CTC GTT GTA CCG TCC ATT
TTG TCA CCG GCA GTC TCA TTA GAG TGC CCA ACT TAA TGC TGG CAA CTA ATA ACA AG
TCC TAA TCT CTT AGG TTG GCA CTA GAT GTC AAG ACC TGG TAA GGT TCT TCG CGT TGC
CTT GCG GTC GTA CTC CCC AGG CGG AGT GCT TAA TGC GTT AGC TGC AGC ACT GAG AG
CGACTTGCATGTATTAGGCACGCCGCCAGCGTTCGTCCTGAGCCAGGATCaAActctc
TATcCGGTATTAGCAcCtGTTTCCAAGtGTTATCCCCgTCTtatGGGCAGGTTACCCACGTGTTACT
GTCTCAGTCCCAATGTGGCCGATCACCTCTCAGGTTCGGCTATGCATCGTCGCCTTGTTGAGC

AAG GCC CGG GAA CGT ATT CAC CGT GGC ATT CTG ATC CAC GAT TAC TAG CGA TTC CG
TGT ATG CGC CAT TGT AGC ACG TGT GTA GCC CTG GTC GTA AGG GCC ATG ATG ACT TG
GGG TTG CGC TCG TTG CGG GAC TTA ACC CAA CAT TTC ACA ACA CGA GCT GAC GAC AC
AGCAAGCTTCCCCTGGTACCGTTCGACTTGCATGTGTTAGGCCTGCCGCCAGCGTTCAATCTG
TATGCGGTATTAGCcACcGTTTCCAgtGTTATCCCCCaCcAtaAGGCAGATTCCCAtGCATTACTC
CCCCTGCTGCCTCCCGTAGGAGTCTGGGCCGTGTCTCAGTCCCAGTGTGGCTGATCATCCTC'

CAT GGC TGA TAT GCG ATT ACT AGC GAT TCC AGC TTC ACG GAG TCG AGT TGC AGA CT
CTT CAG GTA CCC CCA GCT TCC ATG GCT TGA CGG GCG GTG TGT ACA AGG CCC GGG AA
GCT GCC CTC TGT ACC TAC CAT TGT AGC ACG TGT GTA GCC CAG GAC GTA AGG GCC GT
GGT AAG GTT CCT CGC GTA TCA TCG AAT TAA ACC ACA TGC TCC ACC GCT TGT GCG GG
CCA ATA TTC CTC ACT GCT GCC TCC CGT AGG AGT CTG GTC CGT GTC TCA GTA CCA GTC

CCA GCC GCA CCT TCC GGT ACG GCT ACC TTG TTA CGA CTT AGT CCC AAT CGC CAG TCC
GGT TGG GCC ACC GGC TTC GGG TGT TAC CGA CTT TCG TGA CTT GAC GGG CGG TGT GT
GGC AGT CTC CCA TGA GTC CCC ACC ATA ACG TGC TGG CAA CAT AGG ACG AGG GTT GC
ATG TCA AGC CTT GGT AAG GTT CTT CGC GTT GCA TCG AAT TAA TCC GCA TGC TCC GCC
GTA GGA GTC TGG GCC GTG TCT CAG TCC CAG TGT GGC CGG TCG CCC TCT CAG GCC GG

TTG GTT AAG TCC TCG ACC GAT TAG TAT TGG TCC GCT CCA TGC ATC ACT GCA CTT CCA
CCA TAC ATA GCT ACC CAG CGA TGC TCC TGG CGG AAC AAC TGG TAC ACC AGC GGT AC
GGG ACC GAA CTG TCT CAC GAC GTT CTG AAC CCA GCT CGC GTA CCG CTT TAA TGG GC
AAC CTC CCC GTC GAT GTG AAC TCT TGG GGG AGA TAA GCC TGT TAT CCC CAG GGT AG
CCC TGC TCG ACT TGT CGG TCT CGC AGT CAA GCT CCC TTA TGC CTT TAC ACT CTG CGA
TCA ATA TCA AGC TAC AGT AAA GCT CCA TGG GGT CTT TCC GTC CTG TCG CGG GTA AC
CCT TTC GTG CGG GTC GGA ACT TAC CCG ACA AGG AAT TTC GCT ACC TTA GGA CCG TL
TCT TAA CCT TCC AGC ACC GGG CAG GCG TCA GCC CCT ATA CGT CAT CTT ACG ATT TTC
AGC ACC CCT TCT CCC GAA GTT ACG GGG TCA TTT TGC CGA GTT CCT TAA CGA GAG TTC
GTA CAG GAA TAT CAA CCT GTT ATC CAT CGC CTA CGC CTN TCG GCC TCG GCT TAG GT
TTT CGC TAC TCA TAC CGG CAT TCT CAC TTC TAA GCG CTC CAC CAG TCC TCA CGG TCT
CCA CAG CTT CGG TAA TAT GTT TAG CCC CGG TAC ATT TTC GGC GCA GGG TCA CTC GA
GCA ACT CCA CAT CCT TTT CCA CTT AAC ATA TAT TTT GGG ACC TTA GCT GGT GGT CTG
CGA GGC TAG CCC TAA AGC TAT TTC GGA GAG AAC CAG CTA TCT CCA AGT TCG TTT GG

TTG TAG GCA CAC GGT TTC AGG TTC TAT TTC ACT CCC CTT CCG GGG TGC TTT TCA CCT
TGG GTT CCC CCA TTC GGA AAT CTC CGG ATC AAA GCT TAC TTA CAG CTC CCC GAA GC

GGGAGAACTCATCTTGAGGCGAGTTTCcCGCTTAGATGCTTTCAGCGgTTATCTCTTCCGCACT
CCGGTCTCTCGTACTAGGAGCAGCCCCCTCAATTCTCCAACGCCACGGCAGATAGGGAC
CATAACCTTGGGACCTACTTCAGCCCCAGGATGTGATGAGCCGACATCGAGGTGCCAAACAC
CCGTTGAGCGATGGCCCTTCCATTCAGAACCACCGGATCACTATGACCTACTTTCGTACCTGC
GATGTCCGACCGTGCTTAGCCAACCTTCGTGCTCCTCCGTTACTCTTTGGGAGGAGACCGCCC
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ACCCATCAATTAACCTTCCGGCACCGGGCAGGCGTCACACCCTATACGTCCACTTTCGTGTT
CCTTCTCCC GAAGTTACGGTGCCATTTTGCCTAGTTCCTTCACCCGAGTTCCTCAAGCGCCTT
GGAATATTAACCTGTTTCCCATCGACTACGCCTTTCGGCCTCGCCTTAGGGGCCGACTCACCC
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CACTTAACCATGACTTTGGGACCTTAGCTGGCGGTCTGGGTTGTTTCCCTCTTCACGACGGAC
GGTATTCGGAGTTTGCATCGGGTTGGTAAGTCGGGATGACCCCTAGCCGAAACAGTGCTCT/
GCCTTTCACCCCTAGCCACAAGTCATCCGCTAATTTTCAACATTAGTCGGTTCGGTCCCTCAC
CGCCCTATTAAGACTCGGTTTCCCTTCGGCTCCCCTATTCGGTTAACCTTGCTACAGAATATA/
CTCCC ACTGCTTGTACGCACACGGTTTCAGGTTCTATTTCACTCCCCTCGCCGGGGTTCTTTTC
GGCTGCTCCCCGTTTCGCTCGCCGCTACTGGGGGAATCTCGGTTGATTTCTTTTCTCGGGGTAC
TGGGTTTCCCCATTTCGGACATCGCCGGATCAAACGCTTCTTGTACGCTCCCCGACGCTTTTCG

GGAAACCTCATCTTGAAGCAGGCTTCCCGCTTAGATGCTTTCAGCGGTTATCCCTTCCGAACG
CGGTCCTCTCGTACTAGGGACAGCCCTTCTCAAGTTTCTTACGCGCGCAGCGGATAGGGACCC
CAACCCTTGGGACCTACTCCAGCCCCAGGATGCGACGAGCCGACATCGAGGTGCCAAACCAT
CGTTGAGCGACGGCGCTTCCACAAGCCACCGCCGGATCACTAGTCCCGACTTTCGTCCCTGCT
CCAACCAGGCTGAGGGAACCTTTGGGCGCCTCCGTTACATTTTAGGAGGCAACCGCCCCAGT
GCTTCACAGTCTCCACCTATCCTACACAAGCCGACCCGAACACCAATACCAAGCTATAGTA/
ATTTCCGCGAGTTCGTGGTTGAGACAGCGGAGAAGTCGTTACGCCATTCGTGCAGGTTCGGA
ACCGGTCTCTAACCTTCCAGCACCGGGCAGGCGTCAGTCCGTATACATCGTCTTACGACTT
GGCCCCCTTCTCCC GAAGTTACGGGGGCATTTTGCCGAGTTCCTTAACCACGATTCTCTCGA
CCGGTACGGGAATATCAACCCGTTGTCCATCGACTACGCCTGTCCGGCCTCGCCTTAGGTCCCG
TTCTCACCCGCTTTTCGCTACTCATGCCTGCATTCTCACTCGTGTAGCCTCCACCACTGGGTCA
TGCCACAGCTTCGGCGGTGTGCTT GAGCCCCGCTACATTGTCCGGCGCGGAATCACTTGACCAC
GCAACTCCACATCCTTTCCCACTTAGCACACGCTTAGGGGCTTAGCTGGTGATCTGGGCTGT
CGGCATTCGGAGTTTGGCTGACGTCAGTAACCTGGTAGGGCCCATCGGCCATCCAGTAGCTCT
ATCACGGAGTTTGATTGGCCTTTCACCCCTACCCACAGCTCATCCCCTCAGTTTTTCAACCTAAC
GAACACGCGACTCAAACGCCCTATTCGGACTCGCTTTCGCTACGGCTACCCACACGGGTTA/
GGCTCCGACGGATTGTAGGCACACGGTTTCAGGTA CTATTTCACTCCCCTCCCGGGTACTTT
GGTTTAGCCTCATCCGCTTTCGCTCGCCACTACTCACGGAATCACTATTGTTTTCTTCTTCTG
CCCATTTCGGACATCCTCGGATCACAGCTCGTTTGCCA ACTCCCCGAGGCTTATCGCAGGCTNC

ase H protocol. Shaded probes are included in the conserved "custom A" treatment, whereas the "c

AGA TAG TCA AGT TCG ACC GTC TTC TCG ACG CTC CGG CAG GGC CGT GGC CGA
AA GGG CAG GGA CTT AAT CAA CGC GAG CTT ATG ACC CGC ACT TAC TGG GAA TT
G CCG GCG TAG GGT AGA CAC AAG CTG AGC CAG TCA GTG TAG CGC GCG TGC AC
T AAG AAG TTG GAC GCC GAC CGC TCG GGG GTC GCG TAA CTA GTT AGC ATG CC/
CC CAC GGA ATC GAG AAA GAG CTC TCA ATC TGT CAA TCC TGT CCG TGT CCG GC
T CCT TTA AGT TTC AGC TTT GCA ACC ATA CTC CCC CCG GAA CCC AAA GAC TTG
BT CGG AAC TAC GAC GGT ATC TGA TCG TCT TCG AAC CTC CGA CTT TCG TTC TTG
TAG CGG CAC AAT ACG AAT GCC CCC GGC CGT CCC TCT TAA TCA TGG CCC CGT
C CTG CTT TGA ACA CTC TAA TTT TTT CAA AGT AAA CGC TTC GGG CCC CGC GGG
JGC GGA CCG CCA GCT CGA TCC CAA GAT CCA ACT ACG AGC TTT TTA ACT GCA G
C TCG TTA AAG GAT TTA AAG TGG ACT CAT TCC AAT TAC AGG GCC TCG AAA GAC
J TTG GAT GTG GTA GCC GTT TCT CAG GCT CCC TCT CCG GAA TCG AAC CCT GAT
AA TGG GTC GTC GCC GCC ACG GGG GCG TGC GAT CGG CTC GAG GTT ATC TAG AC
BT CGT CGG CAT GTA TTA GCT CTA GAA TTA CCA CAG TTA TCC AAG TAA CGG GAC
C TTA GAC ATG CAT GGC TTA ATC TTT GAG ACA AGC ATA TGC TAC TGG CAG GAT
GTACGAAACCCCGACCCAGAATCAGGTCGTCTACGAATGATTTAGCACCGGGTTCCCC
ACCACGAGCGGCGCTCCGCACCGACCGCCCGCCGAGGGGGGCGGGCGGCCGGCTATC
GGCGTTCAGTCATAATCCCACAGATGGTAGCCTCGCTCCAGTGGCTCCTCAGCCAAGC
ACACATCATCAGTAGGGTAAAACCTGTCTCACGACGGTCTAAACCCAGCTCACG
JCCGACATCGAAGGATCAAAAAGCGACGTCGCTATGAACGCTTGGCCGCCACAAGCC/
GAGGCCCCCGCTTTCACGGTCTGTATTCGTA CTGAAAATCAAGATCAAGCGAGCTTTT
CTTTGACAGGTGTACCGCCCCAGTCAAACCTCCCCACCTGACGCTGTCCCCGGAGCGG
JCCCGCCTCACCGGGTAAGTGAAAAACGATCAGAGTAGTGGTATTTACCGGGCGGCC
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JGGCAGAAATCACATCGCGTCAACACCCGCCGCGGGCCTTCGCGATGCTTTGTTTTA
JGCGGGGGCGCCGGCCCCGGAGACCCCCCGCCGGGACCGCCCCGCCCCGGCGCCGCC
GGGAGGGCGCTCGGGACGGGGGGCGGCCGGGACGACGGCCGACGGGAGGGGGCGCCG
CACGGGAAGGGCCCGGCGCGGTCCAGAGTCGCCGCCGCCGCGCCGCCCGCTGACCC
JCCAGCCGCGGCGCGCGCCAGCCCCGCTTCGCGCCCCAGCCCCAGCCGACCCAGCCCT
AACATGCCAGAGGCTGTTACCTTGGAGACCTGCTGCGGATATGGGTACGGCCCCGGC
JGAACCGCGACGCTTTCAAAGGCGCGGGCCCCCTCTCTCGGGGCGAACCCGTTCCAGG
CGCTTGCGTTACCGCACTGGGCGCCTCGCGGGCGCCCGTCTCCGCCGCTCCGGATTCCG
JGAACGGCGCTCGCCTATCGCTTAGGACCGACTGACCCATGTTCAACTGCTGTTTACA
TCTGCACCTGCGGCGGCTCCACCCGGGCCCGCGCCCCAGGCTTCCAGGCGCACCGCA
ATGGGCCCGACGCTCCAGCGCCATCCATTTTCAGGGCTAGTTGATTCGGCAGGTGAGT
ACACCTTTTCTGGGCTCTGATGAGCGTCGGCATCGGGCGCCTTAACCCGGCGTTCCG
JCCGGCTCCACGCCAGCGAGCCGGGCGTCTTACCCATTGAAAGTTTGAGAATAGGTTG
JCGAGCGCCAGCTATCCTGAGGGAACTTCGGAGGGAAACCAGCTACTAGATGGTTTCGA
JTCACCAGAGTTTCTCTGGCTTCGCCCTGCCAGGCATAGTTACCATCTTTCCGGG
JGCCCCGGGGCCTTCCGGCCTGCCGCCCGGGATCCCACCTCAGCCGGCGCGCGCCGGC

TGGTCCGTGTTTCAAGACGGGTTCGGGTGGGTAGCCGACGTCGCCGCGGACCCCGGGC
FCCGCCCCGGTTCGGACAGCGGCGCCGGGGGCCGGCGGGCCCCTCCCCGAACGGGCC
GGCCTCGCCCCGCGCCGGGCTGGAGGCGCGGCCACACGCGCGGGCGCCGCGCCGAGCC
AGAGAGAGCGAGCGGCGGCGTACGGCGGCGGCGGACGCGCGCGCGGGCGCGGCCG
CGGCGGTCTCTCCCTCGGCCCGGGATTTCGGCGACGATCCGGGGCCCGGCGGCTATAA
CGGAGCCGGTTCGCGGCGCACCGCCGCGGAGGAAATGCGCCCGACGGGGGCCGGACG
GAGGGACGGAGGGGAGGCGGAGGCGGGGATCCGACGGCGCCCGCGCCGGCCGACCTT
CACGCCCTCTTGAACCTCTCTTCAAAGTTCTTTTCAACTTTCCCTTACGGTACTTG
ATTCCCAAGCAACCCGACTCCGAGAAGCCCCGGGCCCGGCGCGCCGGGGGGCCGCTA
GCGCCGGGGATGGGGGCTTCCGTACGCCACACCTCCCGCGCCCCACCGCGGGGGCGGGG
CTCCGCTGACTAATATGCTTAAATTCAGCGGGTTCGCCACGTCTGACCTGAGGTCGCG
CCACTTCTCCGGTCCCTTCGTACTAGGAGGAGTGTGTCCATAGATAGAAACCGACCT
AATAGCGGTTGCACCATTAGGTTGTCTGATCCAACATCGAGGTCGTAAACCTCCTTG
TTATATTGGGTCTGGTACTGTTGGTACTTTGAGGAGTTGGTCTTAGTGAAGAGTTG
GGGGTTTATGTGTGGGTGGACCCAGTGGGGCTGTGTAAGGTTGTAAGGTGGTCGTGA
ATTCATAGATTACCTACAGGAGACAGTTAAGACCTCGTTTAGCCATTCATACAAG
ACTTTGGGGTCACTGGGCAGGCATCACCTTCAATACTTGTTGTTAGCTGAAGGCTAT
GGGCGCTCCTGGGTTGGCTTAACAGATTGAGGAATACGTATTGCTTGTTAGTGTGG
CCAGATTACTCATTTTAGCATTGATTCTTCTATTGTCATAGGTTAACCTGCTTTGGT
TGGCTGCTTGAAGGCCACAGTGCGGGGAGGGGTGATTATTATCCGCTGG
TTCTATGTTAGAAAATGTAGCCATTTCTCCCACCCCATAGGCTATACCTTGACCT
GCGGTATGTAGGCTGTGCTGGCAAGGGGTGGTTGGGTGAATCGTGGATTATCGATTA
GCTCGTAGTTCTCAGGCGGATACATGTGTGATGGGAGGTATCTAG
ATTAATCGTTGAGGCTAAGATGGATTTGGGTTGGGTTTAGGTGGATCT
GAGAGAAANANGGATTTTTGCTTAAATGGGGATTTGCGAAGAGAAAACGCGTGATTTT
AAACGCGTGATTTTCGCTTAAATGGGGGATTCTCGAAGAGAAAACGCGTGATTTTCG
LACCCGTGATTGTCGCTTAAATGGGGGATTCTCAAAAAGAAAACGCATGATTTTCGCTI
LCCGTGATTTTCGCTTAAATAGGGGATTCTTGAAGAGAAAACGCCTGATTTTCGCTTAA

CAGGCTTGCGCCATTGTGCAATATCCCCACTGCTGCCTCCCGTAGGAGTCTGGACC
CTACTAGCTAATCCCATCTGGGCACATCCGATGGCAAGAGGCCCGAAGGTCCCCCTCT
ACTCACCCGTCCGCCACTCGTCAGCAAAGAGCAAGCTTCTTCCTGTTACCGTTCGACTI
CTCTTCACGACGGACGTTAGCACCCGCCGTGTGTCTCCCGTGATAAC
GTGCTTACCCCCGGAGATGAATTCACGAGGCGCTACCTAAATAGCTT
CTAATTTTTCAACATTAGTCGGTTCGGTCCCTCCAGTTAGTGTTACCCA
GTTAAGACTCGGTTTCCCTTCGGCTCCCTATTCGGTTAACCTTG
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TGGCGTCCACACTTCAAAGCCTCCACCTATCCTACACATCAAGGCTCAATGTTTCAGT
GAGCGAGTTCAATTTCACTGAGTCTCGGGTGGAGACAGCCTGGCCATCATTACGCCATT

3C TGA TCC GCG ATT ACT AGC GAT TCC AAC TTC GTG CAG GCG AGT TGC AGC CT

3C TGA TCT GCG ATT ACT AGC AAT TCC GAC TTC GTG CAG GCG AGT TGC AGC CT
3 GCG GTG TGT ACA AGG CCC GGG AAC GTA TTC ACC GCA ACA TGG CTG ATT TGC
7 GTA GCA CGT GTG TAG CCC AGG TCA TAA GGG GCA TGA TGA CTT GAC GTC ATC
8 GTT GCG CTC GTT GCG GGA CTT AAC CCA ACA TCT CAC GAC ACG AGC TGA CG
2 TTC GAA TTA AAC CAC ATG CTC CAC CGC TTG TGC GGG CCC CCG TCA ATT CCT
8 G CGG AAA CCT CCC AAC ACT TAG CAC TCA TCG TTT ACG GCA TGG ACT ACC AG

ACCCCGTCCGCCACT

CGTTACCTACCAACTAGCTAATGCACCGCGGGTCCATCC

8A CTT CAT GGA GTC GAG TTG CAG ACT CCA ATC CGG ACT ACG ACG CAC TTT ATC
A CGT CAT CCC CAC CTT CCT CCA GTT TAT CAC TGG CAG TCT CCT TTG AGT TCC
3C CAT GCA GCA CCT GTC TC
AGCCAGGATCAAACCTC
ACCCGTCCGCCACTCG
TCAGACCAGCTAgGGATCGTCGCCTTGGTGAGCCtTTACCCACCAACTAGCTAATC

CCGA TCC GAA CTG

AC GTA TTC ACC GCA T

AG ATG ACT TGA CGT CAT CCC CAC CTT CCT

C CCC CGT CAA TTC CTT TGA GTT TCA TTC TTG CGA ACG TAC TCC CCA GGT GG

3 TGG GGG ATC ACC CTC TCA GGA CCC CT

C CAC CTT CGA CGG CTC CCT CCC

A CAA GGC CCG GGA ACG TAT TCA CCG CAG CGT TG

CG CTC GTT GCG GGA CTT AAC CCA ACA TCT CAC GAC ACG AGC TGA CGA CAA CC

C GCT TGT GCG GGC CCC CGT CAA TTC CTT TGA GTT TTA GCC TTG CGG CCG TAC T

8C TAC CCG TCG TCG CCT TGG TAG GCC ATT ACC CCA CCA ACA AGC TGA TAG GCC

A CTT CCA ACC TAT CTA CCT CAT CAT CTC TGA GGG GTC TTA C

CG TCC ATC CCG GTC CTC TCG TAC TAA GGA CAG CTC CTC TCA AAT TTC CTA CGC

8G AAC AGC CCA ACC CTT GGG ACC GAC TAC AGC CCC AGG ATG CGA TGA GCC GA

8C TTT TAT CCG TTG AGC GAT GGC CCT TCC ATG CGG AAC CAC CGG ATC ACT AAC

A ATG ATT TCC AAC CAT TCT GAG GGA ACC TTT GGG CGC CTC CGT TAC CCT TTA C

C TGC ATC TTC ACA GGT ACT ATA ATT TCA CCG AGT CTC TCG TTG AGA CAG TGC

A TAG TTA CGG CCG CCG TTT ACT GGG GCT TCA ATT C

3 CAG AGA CCT GTG TTT TTG ATA AAC AGT CGC TTG GGC CTA TTC ACT GCG GCT

C TCT CGC TCA CCT TAG GAT TCT CTC CTC GAC TAC CTG TGT CGG TTT GCG GTA C

C CCG ACT AAC CCT GGG CGG ACG AGC CTT CCC CAG GAA ACC TTA GTC ATT CGC

7 ANC TTC GCC GCC CTT AGA ACG CTC TCC TAC C

C TAG TGA GCT ATT ACG CAC TCT TTA AAT GGT GGC TGC TTC TAA GCC AAC ATC

8 GGC TGT TTC CCT TTC GAC TAC GGA TCT TAT CAC TCG CAG TCT GAC TCC CG

8A ATT TCA CCG CTA CCC ACA CCT CAT CCC CGC ACT TTT CAA CGT ACG TGG GTT

TTC CCT CAC GGT ACT GGT TCA CTA TCG GTC ACT AGG GAG TAT TTA GCC TTG G
A TAT CGG NGT TAG TCA CGT CCT TCA TCG GCT CCT AGT GCC AAG GCA TCC ACC

TAGCTACCCGGCAATGCCACTGGCGTGACAACCGGAACACCAGTGGTGCGTCCACT
CGAACTGTCTCACGACGTTCTAAACCCAGCTCGCGTACCACTTTAAATGGCGAACAGC
CGCCGTCGATATGAACTCTTGGGCGGTATCAGCCTGTTATCCCCGGAGTACCTTTTAT
TCGACTTGTCAGTCTCGCAGTCAAGCTGGCTTATGCCATTGCACT
CAGTCAAACCTACCCACCAGACACTGTCC
GTTTACCGGGGTCTTTCCGTCTAGCCGCGGGTACACTGCATCTTCACAGCGATTTCAA
TTACCCGACAAGGAATTTTCGCTACCTTAGGACCGTTATAGTTACGGCCGCCGTTTACCC
TGCAGAGTGCTGTGTTTTAATAAACAGTCGCAGCCACCTGGTATCTGCGACC
TGGTATTCTCTACCTGACCACCTGTGTGCGGTTTGGGGTACG
TGCCCCGATTAACGTTGGACAGGAACCCTTGGTCTTCCGGCGAGCGGGCTTTTCACC
CTTCACAGGCTTACAGAACGCTCC
TGATGGCTGCTTCTAAGCCAACATCCTGGCTGTCTAAGCCTTCCCACATCGTTTCC
GTTAGCACCCGCCGTGTGTCTCCC
ACCCCCGGAGGTGTTTGCACGAGGCGCTACCTAAATAGCTTTCGGGGAGAACCAGCTA
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AGTCGCTGACCCATTATACAAAAGGTACGCAGTCAC
GCCTTTCCTCACGGTACTGGTTCACTATCGGTCAGTCAGGAGTATTTAGCCTTGG
CTTAGATGTTTCAGTTCCCCCGGTTTCGCCTC
CAGACTAGCACGTCCTTCATCGCCTCTGACTGCCAAGGCATCCACCGTGTGCGCTTAG

TAGCCAACCAGCCGTGCTCCTGGCGGAACAACCTGGCACACCAGAGGTTTCGTCCGTCC
GAACTGTCTCACGACGTTCTAAACCCAGCTCGCGTACCGCTTTAATGGGCGAACAGCC
TGCCGTCGATATGGACTCTTGGGCAAGATCAGCCTGTTATCCCCGGGGTACCTTTTATC
TCGACCTGTCAGTCTCACAGTCAAGCTCCCTTGTGCACTTAACTCGACACCTGATTG
TAAACTACCCACCAGGCACTGTCCCTGATCCGGATCACGGACCGAGGTT
AAGGTCCCAGGGGTCTTTCCGTCTGCTGCGCGTAACGAGCATCTTTACTCGTAGTGCA
CTTACCCGACAAGGAATTTTCGCTACCTTAGGATGGTTATAGTTACCACCGCCGTTTAC
CGCACGGACCTGTGTTTTAGTAAACAGTCGCTTCTCCCTGGTCTCTGCGGCC
TCGCCTTGGTATTCTCTACCTGACCACCTGAGTCGGTTTGGGGTACGGGCGG
TACTTACCCAGGGCGGATTAACCTGGCCCTGGAACCCTTGGTTCATTCGGCGGACGGGT
CCCCGCCGCTTACCCGCCACACGACGCTCCCTACCCA
TTGAGCTATTACGCACTCTTTCAAGGGTGGCTGCTTCTAAGCCAACCTCCTGGTTGTC
TTCCTCTCGACTACGAAGCTTATCCCCGCGAGTCTCACTGCCGCGCTCTCACTTAC
TACCTCCGGCAAGAAACACGCGACGCTGCACCTAAATGCATTTCCGGGGAGAACCAGCT
TTGGGTTCCGGTCTCCACGCGGTCTTACCCGCGCTTCAACCTGGCCATGGGTTAGATC
ACCTCGCCACGTACCACTAACTCGCAGGCTCATTCTTCAAAGGCACGCCGTCACCCC
TCACCTTTCCTCACGGTACTTGTCCGCTATCGGTCACCAGGGAGTATTTAGGCTTA
GGGTACTGAGATGTTTCACTTCCCCACGTTCCCTCCACACACCTATATATTCAGG
TACGTCCTTCATCGGCTCCTGGTGCCAAGGCATCCACCGTGTGCCCTTAAAACTTG

ustom B" treatment included all probes listed here.

CCC CGC CGG GGC CG
FC CTC GTT CAT GGG GA
BC CCC GGA CAT CTA AG
A GAG TCT CGT TCG TT
BC CGG GTG AGG TTT CC
GGT TTC CCG GGA GC
ATT AAT GAA AAC A
FTC CGA AAA CCA AC
ACA CTC AGT TAA GA
CA ACT TTA ATA TAC G
G TCC TGT ATT GTT AT
FCC CCG TTA CCC GT
GT CAC CAA AGC CGC CG
G GGG AGC GAC CAA A
CAA CCA GGT T

GC

A

AG

G
GG
CCC
TA

C

GC
CG
GCC
AC
CC
CGG

GA

CTGGGT
CTTAAA
CTAAATG
ATGGGA

GTGTCTCAGTTCCA
TTGGTCTTGCGACGT
TGCATGTGT

TCGT

G CAG TCC GAA CTG AGA

G CAG TCC GAA CTG GGA
3 GAT TAC TAG CGA T
CCC ACC TTC CTC CGG T
A CAG CCA TGC ACC ACC
TTG AGT TTC AAC
G GTA TCT AAT CCT

3 AGG TCC GC
CGG C

3A TGC ACC ACC TGT
TCC CCA GGC GGG
3 GCG AGC CCA TCC

3 CCG CGA CGG ATA
AC ATC GAG GTG CCA
3 CCC GAC TTT CGT
3GA GGC GAC CGC
CCA AAT CGT TAC G

3GG G
3 TGG ACA GGA TTC TCA C

CTA GTT GTC T

CGG TCC TCC A

GA GAT GGT CCT
GTG CGC CCT TAT TAA CTT AAC

GGGCTTC

TCTCC

TCGCTT

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