

a). miR1436

Rice

```
          a                                uc
gcuacucccuccgucccauau uuaaaaccuaggacuggauaggacguuucauaguacaaugac \
ugaugacgggagggcaggguauua auuuuggauccugaccuauccugcaaagaucauguuacug a
          c                                ag
```

Aegilops speltoides

```
uuacuagucguca u g c g g
gug uacucccuccgu ccauaauguaaga gu uuuuugacacug \
uau augagggagggca gguauuacauucu ca aaaagcugugau u
cg----- c g a - g
```

b). Osa-miR444c.2

Rice (CT861556)

```
uucuc----- g - u a u --- uuuau
aguu cug caag ggagggcggaagcu gagacagcaacugcaua cuugcaagaaa aucggu \
ucaa gac guuu cccgcugcguucga cucuguuguugacgugu gaacguucuuu uagcca g
aaaguauagguua - c c a c uag uaccg
```

Maize (EE182122)

```
c---- cc .-cuc g - u c a c a- uu u
gcg ggcu aguu cug caag gg ggcagcaagcu gaggcagcaacugcaua cuugcaagaaaa aucggu ug u
cgc ccgua ucaa gac guuu cc cgcugcguucga cucuguuguugacgugu gaacguucuuu uagcca gc g
agacc a- \ --- - c c u a u ag u- a
```

Sorghum (CN128779)

```
ucagauuaau c ga a u ----- u
gcaagggg ggu caagcu gaggcagcaacugcaua cuugcaagaaaa ugguu u
cguuuccc ccg guucga cucuguuguugacgugu gaacguucuuuu accaa u
ucaaaac--- u uc a u cuagccau g
```

Sugarcane (CA102008)

```
cu guauu uau u c a g u gu aaucaauug \
gccguu gc gca gg ggca caagc ugaggcag aacugcau acugcaagaaa cacia \
ugguua cg cg u cc ccgu guucg acuccguu uugacgug ugaacguucuuu guguu c
u- agac- uuc u c a g u ug cauacagga
```

Switchgrass (DN151018)

```
auuaau c c ga a u ----- u
gcaag gg ggu caagcu gaggcagcaacugcaua cuugcaagaaaa ugguu u
cguuu cc ccg guucga cucuguuguugacgugu gaacguucuuuu accag c
aaaac- c u uc a u guauccau a
```

c). Osa-miR444d

Rice (CI659604)

```
uuuu----- cau u c a a u g -- u
gca gg ggca caagc ugaggca caacugcau acugcaagaaa cacia aaucau \
cgu cc ccgu guucg acuccgu guugacgu ugaacguucuuu guguu uuagua a
acuaucaaac cuc u c a c u g ca g
```

Sorghum (CD213999)

```
c a g u aaucaauug \
ggca caagc ugaggcag aacugcau acugcaagaaagucacia \
ccgu guucg acuccguu uugacgu ugaacguucuuucgguguu c
c a g u cauaccaga
```

Sugarcane (CA186150)

```
u c a g u gu aaucaauug \
gg ggca caagc ugaggcag aacugcau acugcaagaaa cacia \
cc ccgu guucg acuccguu uugacgu ugaacguucuuu guguu c
u c a g u ug cauacagga
```