

5' 3'



|      |                                                                                                                     |       |       |        |
|------|---------------------------------------------------------------------------------------------------------------------|-------|-------|--------|
| 5' - | gcagaaaugcaguauccauuucaaccucccaa <u>uaauaaauaaugaucguauguguauaaaauguaacgugaguauaaugaauuuuggugggguuuuaauuuuuuu</u>   | -3'   | obs   |        |
|      | gcagaaaugcaguauccauuucaaccuccaaa <u>uaauaaauaaugaucguauguguauaaaauguaacgugaguauaaugaauuuuggugggguuuuaauuuuuuu</u>   |       | exp   |        |
|      | gcagaaaugcaguauccauuucaaccuccaa <u>aauaaauaaauaaugaucguauguguauaaaauguaacgugaguauaaugaauuuuggugggguuuuaauuuuuuu</u> |       | known |        |
|      | (((((...))).....((((..(((.( ((((((((((. (((((( (. (...). ) )))))))). ))) )))))). )))).....                          | reads | mm    | sample |
|      | . . . . . uauauauauauauguacguau . . . . .                                                                           | 3     | 0     | hsa    |
|      | . . . . . uaauauauauauguacguaug . . . . .                                                                           | 7     | 0     | hsa    |
|      | . . . . . uauauauauauauguacguaugu . . . . .                                                                         | 1     | 0     | hsa    |
|      | . . . . . uauauauauauauguacguaugA . . . . .                                                                         | 2     | 1     | hsa    |
|      | . . . . . uauauauauauguacguaug . . . . .                                                                            | 1     | 0     | hsa    |
|      | . . . . . auacguagauauauaugauuu . . . . .                                                                           | 3     | 0     | hsa    |
|      | . . . . . auacguagauauauaugauuuuu . . . . .                                                                         | 4     | 0     | hsa    |
|      | . . . . . uacguagauauauaugauu . . . . .                                                                             | 1     | 0     | hsa    |
|      | . . . . . uacguagauauauaugauu . . . . .                                                                             | 1     | 0     | hsa    |
|      | . . . . . Nacguagauauauaugauuu . . . . .                                                                            | 1     | 1     | hsa    |
|      | . . . . . uacguagauauauaugauuu . . . . .                                                                            | 20    | 0     | hsa    |
|      | . . . . . C acguagauauauaugauuuuu . . . . .                                                                         | 1     | 1     | hsa    |
|      | . . . . . Nacguagauauauaugauuuuu . . . . .                                                                          | 1     | 1     | hsa    |
|      | . . . . . Aacguagauauauaugauuuuu . . . . .                                                                          | 1     | 1     | hsa    |
|      | . . . . . uacguagauauauaugGuuuu . . . . .                                                                           | 1     | 1     | hsa    |
|      | . . . . . uacgC agauauauaugauuuuu . . . . .                                                                         | 1     | 1     | hsa    |
|      | . . . . . uacguagauauauaugauuuuu . . . . .                                                                          | 290   | 0     | hsa    |
|      | . . . . . uacguaU auauauaugauuuuu . . . . .                                                                         | 3     | 1     | hsa    |
|      | . . . . . uacguagauauauaugauuuuu . . . . .                                                                          | 1     | 0     | hsa    |
|      | . . . . . acguagauauauaugauuuuu . . . . .                                                                           | 1     | 0     | hsa    |