



|      |                                                                                                                                                     |       |       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| 5' - | augggcac <u>uugcu</u> uggggg <u>uuag</u> <u>ugaggacagggc</u> aaauucacgagauuggguugugcagagggcugacac <u>uuggauuuuccugggccucagg</u> acuuccuuucagacauggc | -3'   | obs   |
|      | augggcac <u>uugcu</u> uggggg <u>uuag</u> <u>ugaggacagggc</u> aaauucacgauguuggguugugcagagggcugacac <u>uuggauuuuccugggccucagg</u> acuuccuuucagacauggc |       | exp   |
|      | augggcac <u>uugcu</u> uggggg <u>uuag</u> <u>ugaggacagggc</u> aaauucacgauguuggguugugcagagggcugacac <u>uuggauuuuccugggccucagg</u> acuuccuuucagacauggc |       | known |
|      | . . ((((((...))) )))(((((((...(((((((...(((((...(-(.-(-(.(...)).).).).).)))))))).).))))).).....                                                     | reads | mm    |
|      | .....gugaggacagggc <del>aaauucacg</del> .....                                                                                                       | 1     | 0     |
|      | .....u <del>gaggacagggc</del> aaauucacga.....                                                                                                       | 1     | 0     |
|      | .....uugugcagagggcugacaA.....                                                                                                                       | 1     | 1     |
|      | .....uuggauuuuccugggccucagaA.....                                                                                                                   | 2     | 1     |
|      |                                                                                                                                                     |       | hsa   |
|      |                                                                                                                                                     |       | hsa   |
|      |                                                                                                                                                     |       | hsa   |
|      |                                                                                                                                                     |       | hsa   |