



| 5' -                              |                  | -3'                 | obs            |                    |
|-----------------------------------|------------------|---------------------|----------------|--------------------|
| cuaaauaaauagauuccaua              | uugcugugc        | caucugugagauaauacau | cacagaugauguc  | aaaaugaugagugaguac |
| aaaaaguggcgcaugaggcuu             | agccaaugugugccau |                     |                |                    |
| cuaaauaaauagauuccaua              | uugcugugc        | caucugugagauaauaca  | ucacagaugauguc | aaaaauguagugaguac  |
| aaaaaguggcgcaugaggcuu             | agccaaugugugccau |                     |                |                    |
| .....((((((((((.....))))))))..... | reads            | mm                  | sample         |                    |
| .....uugcugugcGucuguagagu.....    | 1                | 1                   | seq            |                    |
| .....ugcugugcaucuguagagaa.....    | 1                | 0                   | seq            |                    |
| .....cacagCugauguc                | 1                | 1                   | seq            |                    |
| .....cagaugauguc                  | 1                | 0                   | seq            |                    |