



| 5' | uauca | cgcguguuu | cagaaaa | ugcuga | aaa   | ugccc    | gagucgcg | aa    | agcgac | gaggg | cauuu | cag   | cauuu | ucugaaaa | acaca | aagugau | uu    | aauc  | cuuuu | uuu   | acgagg | gac   | -3'   | obs   |     |        |
|----|-------|-----------|---------|--------|-------|----------|----------|-------|--------|-------|-------|-------|-------|----------|-------|---------|-------|-------|-------|-------|--------|-------|-------|-------|-----|--------|
|    | uauca | cgcguguuu | cagaaaa | ugcuga | aaa   | ugccc    | gagucgcg | aa    | agcgac | gaggg | cauuu | cag   | cauuu | ucugaaaa | acaca | aagugau | uu    | aauc  | cuuuu | uuu   | acgagg | gac   |       | exp   |     |        |
|    | ((((( | (.        | (((((   | (((((  | ((((( | (((((    | (((((    | ((((( | (((((  | ((((( | ((((( | ((((( | ((((( | (((((    | ((((( | (((((   | ((((( | ((((( | ((((( | ((((( | (((((  | ((((( | ((((( | reads | mm  | sample |
|    | ..... | .Agc      | gaaaa   | u      | gccc  | gagucgcg | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 2     | 1     | s72 |        |
|    | ..... | .A        | gaaaa   | u      | gccc  | gagucgcg | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s72 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 0     | s72 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 0     | s72 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s72 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       |       |       |     |        |
|    | ..... | .A        | gaaa    | u      | gccc  | gagucgcg | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s09 |        |
|    | ..... | .A        | gaaa    | u      | gccc  | gagucgc  | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s52 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s52 |        |
|    | ..... | .A        | cgac    | gaggg  | cauuu | cag      | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s52 |        |
|    | ..... | .a        | u       | g      | c     | g        | a        | a     | a      | u     | g     | c     | c     | c        | g     | a       | g     | u     | c     | g     | c      | g     | ..... | 1     | 0   | s85    |
|    | ..... | .A        | gc      | g      | a     | a        | a        | u     | g      | c     | c     | c     | g     | a        | g     | u       | c     | g     | c     | g     | c      | g     | ..... | 1     | 1   | s85    |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 0     | s85 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 0     | s85 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 2     | 0     | s85 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       |       |       |     |        |
|    | ..... | .a        | u       | g      | c     | g        | a        | a     | a      | u     | g     | c     | c     | c        | g     | a       | g     | u     | c     | g     | c      | g     | ..... | 1     | 0   | s35    |
|    | ..... | .A        | gaaa    | u      | gccc  | gagucgcg | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s35 |        |
|    | ..... |           |         |        |       |          |          |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       |       |       |     |        |
|    | ..... | .A        | cgac    | gaggg  | cauuu | cagca    | .....    |       |        |       |       |       |       |          |       |         |       |       |       |       |        |       | 1     | 1     | s23 |        |