


GENETICS

SUPERSAGE PLUS HIGHLY PARALLEL SEQUENCING

20.02.2008 2 COMMENTS

Current RNA chip technology, although quite advanced, is usually limited to known transcripts. As rare transcripts (N=1 to 5) usually cannot be quantified, current chip technology is probably useless for building realistic virtual cells. Maybe there are other options? SAGE - [serial analysis of gene expression](#) - has been also around for some time but never reached a larger audience as the 18 bp tag length did not make it very specific and the read-out of sequencing is not very cost efficient.

This may change now with [SuperSAGE](#) having 26 bp tags: cDNA is cut with the tagging enzyme BsmfI and ligated with a neighboring tag to a ditag; ditags [are being sequenced](#) with some of the new technologies like pyro/FLX, bridge pcr/Solexa or solid/ABI. The power certainly comes with the accuracy but also the inclusion of non coding RNAs.

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2 THOUGHTS ON "SUPERSAGE PLUS HIGHLY PARALLEL SEQUENCING"

Peter Winter

17.06.2008 AT 10:18

Please correct: the enzyme used in SuperSAGE is EcoP15I, not BsfmI.

Thank You

Matthias Wjst

17.06.2008 AT 10:35

pleasure - thank you.

COMMENTS ARE CLOSED.
