

Operon CoRe Program - Roslin/ARK Chicken Array

Operon is pleased to announce the Roslin/ARK CoRe Chicken Array set distributed under our CoRe (Cooperative Research) program. This ready-to-spot microarray set offers 20,673 long oligo probes for creating microarrays. The oligo probes were designed by ARK using ENSEMBL gene transcripts, the BBSRC fully sequenced set and the DT40 full length sequencing set. The entire BBSRC fully sequenced set includes several thousand non coding RNA's. Those transcripts without known function were removed from the design.

This CoRe set includes 18,363 oligos designed from the databases listed above. In addition, genes important in developmental genes, probes previously used on other arrays, precursor RNA's for micro RNA's and ~30 microRNA's. During oligo probe design, sequences which failed the initial oligo selection criteria were rerun under slightly more relaxed conditions allowing oligos shorter than 70 bases (range 65-75 bases) or by increasing the temperature range (88-96°C). ARK researchers are currently (Nov05) building a Blast search engine to go on the ARK website that will allow searching of the designed oligos and their original sequences along with any EST cluster or ENSEMBL gene location they relate to.

See <http://www.ark-genomics.org/> for updates on the information or visit <http://www.operon.com> for the complete genelist for the Roslin/ARK CoRe Chicken Array set.

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Roslin/ARK CoRe Chicken Array set; 20,673 oligo probes,
300 pmol