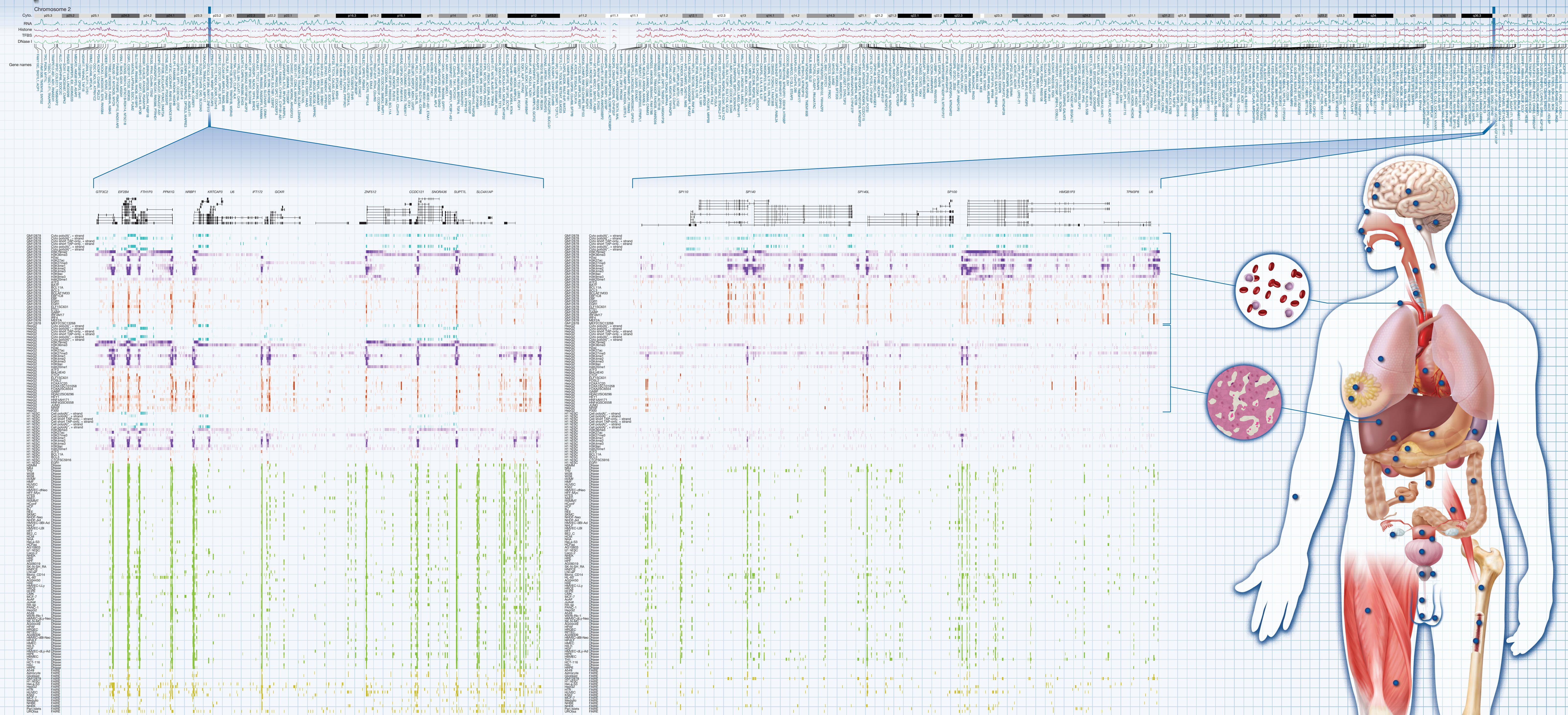


The image features a large, stylized title 'the ENCODE project' in a blue-grey font. The letters are bold and have a slightly distressed, hand-drawn appearance. The background is a light blue grid with various geometric elements: a circle in the top left, several intersecting lines forming a crosshair-like pattern, and smaller circles and lines scattered across the right side. The overall aesthetic is technical and scientific.

# ENCYCLOPEDIA OF DNA ELEMENTS



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The image features the Illumina logo in its signature orange and grey font, with a registered trademark symbol. Below the logo is a large, bold, orange rectangular banner containing the slogan "Seek to break new ground." in white, sans-serif font. At the bottom of the banner is the website address "www.illumina.com/CompareSequencers" in white.

The poster shows a subset of the ENCODE data; on the top panel is chromosome 2, with the tracks showing the density of elements from RNA, histone modification, transcription factor binding and DNase I in 100-kilobase windows. Below this is a selection of protein-coding gene symbols for chromosome 2. Two regions are shown representing 175 out of the 1,649 experiments analysed in the 6 September 2012 publication of ENCODE. The cell type is shown on the left, followed by the experiment type. The intensity of the colour represents the strength of signal over a 400-base-pair window. If the entire genome was rendered at this scale, the poster would be 30 kilometres long and 16 metres wide to accommodate all of the data. The anatomical diagram shows the location of 47 of the 147 cell types analysed in the 6 September 2012 publication of ENCODE, and highlights GM12878 (a lymphoblastoid cell line) and HepG2 (a hepatocellular carcinoma that is widely used as a model for hepatocytes), two of the six focus cell types of ENCODE. More information on the ENCODE project, including full data downloads, can be found at <http://www.encodeproject.org/>. Artistic credits: Darryl Leja, Ewan Birney.