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**CHANDAK et al.**(10) **Pub. No.: US 2022/0368347 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **SYSTEM AND METHOD FOR EFFECTIVE  
COMPRESSION, REPRESENTATION AND  
DECOMPRESSION OF DIVERSE  
TABULATED DATA**(71) Applicant: **KONINKLIJKE PHILIPS N.V.**,  
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**ABSTRACT**

A method for controlling compression of data includes accessing genomic annotation data in one of a plurality of first file formats, extracting attributes from the genomic annotation data, dividing the genomic annotation data into multiple chunks, and processing the extracted attributes and chunks into correlated information. The method also includes selecting different compressors for the attributes and chunks identified in the correlated information and generating a file in a second file format that includes the correlated information and information indicative of the different compressors for the chunks and attributes indicated in the correlated information. The information indicative of the different compressors is processed into the second file format to allow selective decompression of the attributes and chunks indicated in correlated information.

