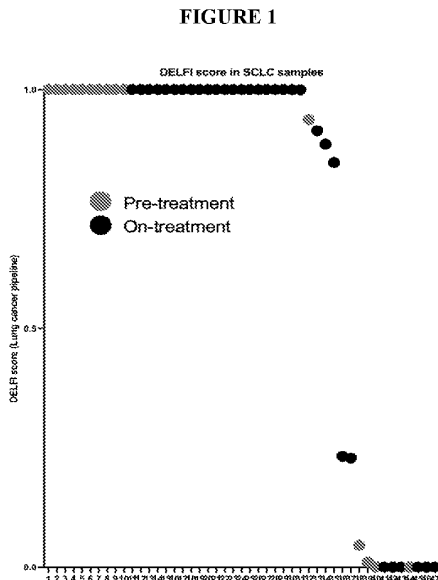


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(54) Title: DELFI-DERIVED CELL-FREE DNA FRAGMENTATION PATTERNS DIFFERENTIATE HISTOLOGIC SUBTYPES OF LUNG CANCERS IN A NON-INVASIVE MANNER



(57) Abstract: The present disclosure provides methods of uses thereof for improved diagnostic applications using genome-wide patterns of fragmented cell-free DNA (cfDNA) from plasma, derived by low-coverage whole-genome sequencing. In particular, the present invention provides new and effective methods for subtyping non-small cell lung cancer in a subject as low neuroendocrine or high neuroendocrine non-small cell lung cancer.