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(54) Title: DIAGNOSTIC METHODS FOR DETERMINING PROGNOSIS OF NON-SMALL CELL LUNG CANCER

(57) Abstract: Disclosed are methods for identifying early-stage non-small-cell lung cancer (NSCLC) patients who will have an unfavorable prognosis for the recurrence of lung cancer after surgical resection. The methods are based in part on the discovery that chromosomal copy number gains at Chr19, 34.7 Mb - 35.6 Mb can be used for prognostic classification. The methods preferably use fluorescence in situ hybridization with fluorescently labeled nucleic acid probes to hybridize to patient samples to quantify the chromosomal copy number of this genetic locus, which includes the cyclin E1 gene.



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