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(54) Title: USE OF MARKERS INCLUDING FILAMIN A IN THE DIAGNOSIS AND TREATMENT OF PROSTATE CANCER

(57) Abstract: Methods for diagnosing the presence of prostate cancer in a subject are provided, such methods including the detection of levels of variety of biomarkers diagnostic of prostate cancer, including filamin A alone, or in combination with one or more additional biomarkers of prostate cancer, including, PSA, keratin 4, keratin 7, keratin 8, keratin 15, keratin 18, keratin 19, tubulin-beta 3, filamin B, and LY9. Additionally, age can be used as a predictor variable. The invention also provides methods of treating prostate cancer which rely on diagnostic information obtained based on the detection of biomarkers of prostate cancer, including filamin A alone, or in combination with one or more additional biomarkers of prostate cancer, including, PSA, keratin 4, keratin 7, keratin 8, keratin 15, keratin 18, keratin 19, tubulin-beta 3, filamin B, LY9, and/or age. Compositions in the form of kits and panels of reagents for detecting the biomarkers of the invention are also provided.