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(71) Applicant(s):

SOMALOGIC, INC. [US/US]; 2945 Wilderness Place Boulder, Colorado 80301 (US) *(for all designated states except US)*
SCHNEIDER, Daniel J. [US/US]; 10923 W 84th Place Arvada, Colorado 80005 (US) *(for US only)*
NIEUWLANDT, Dan [US/US]; 11340 Sommerset Circle Longmont, Colorado 80501 (US) *(for US only)*
EATON, Bruce [US/US]; 8434 Brittany Place Longmont, Colorado 80501 (US) *(for US only)*
STANTON, Marty [US/US]; 5200 Waterstone Drive Boulder, Colorado 80301 (US) *(for US only)*
GUPTA, Shashi [IN/US]; 830 Spyglass Circle Louisville, Colorado 80027 (US) *(for US only)*
KRAEMER, Stephan [DE/US]; 4890 Meredith Way, Apt. 201 Boulder, Colorado 80303 (US) *(for US only)*
ZICHI, Dominic [US/US]; 2200 Kalmia Ave. Boulder, Colorado 80304 (US) *(for US only)*
GOLD, Larry [US/US]; 1033 5th Street Boulder, Colorado 80302 (US) *(for US only)*

(72) Inventor(s):

SCHNEIDER, Daniel J.; 10923 W 84th Place Arvada, Colorado 80005 (US)
NIEUWLANDT, Dan; 11340 Sommerset Circle Longmont, Colorado 80501 (US)
EATON, Bruce; 8434 Brittany Place Longmont, Colorado 80501 (US)
STANTON, Marty; 5200 Waterstone Drive Boulder, Colorado 80301 (US)
GUPTA, Shashi; 830 Spyglass Circle Louisville, Colorado 80027 (US)
KRAEMER, Stephan; 4890 Meredith Way, Apt. 201 Boulder, Colorado 80303 (US)
ZICHI, Dominic; 2200 Kalmia Ave. Boulder, Colorado 80304 (US)
GOLD, Larry; 1033 5th Street Boulder, Colorado 80302 (US)

(74) Agent(s):

SWANSON & BRATSCHEUN, L.L.C.; 8210 Southpark Terrace Littleton, Colorado 80120 (US)

(54) Title (EN): MULTIPLEXED ANALYSES OF TEST SAMPLES

(54) Title (FR): ANALYSES MULTIPLEXÉES D'ÉCHANTILLONS D'ESSAI

(57) Abstract:

(EN): The present disclosure describes methods, devices, reagents, and kits for the detection of one or more target molecules that may be present in a test sample. The described methods, devices, kits, and reagents facilitate the detection and quantification

of a non-nucleic acid target (e.g., a protein target) in a test sample by detecting and quantifying a nucleic acid (i.e., an aptamer). The methods described create a nucleic acid surrogate for a non-nucleic acid target, thus allowing the wide variety of nucleic acid technologies, including amplification, to be applied to a broader range of desired targets, especially protein targets. The disclosure further describes aptamer constructs that facilitate the use of aptamers in a variety of analytical detection applications.

(FR): La présente invention concerne des procédés, des dispositifs, des réactifs et des kits pour la détection d'une ou de plusieurs molécules cibles qui peuvent être présentes dans un échantillon d'essai. Les procédés, les dispositifs, les kits et les réactifs décrits facilitent la détection et la quantification d'une cible non acide nucléique (par exemple une cible protéine) dans un échantillon d'essai en détectant et quantifiant un acide nucléique (c'est-à-dire un aptamère). Les procédés décrits créent un substitut d'acide nucléique pour une cible non acide nucléique, permettant d'appliquer ainsi la grande variété des technologies des acides nucléiques, y compris l'amplification, à une plus large gamme de cibles souhaitées, spécialement aux cibles protéines. L'invention décrit en outre des constructions aptamères qui facilitent l'utilisation d'aptamères dans une variété d'applications de détection analytique.

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