



(51) International Patent Classification:

C12N 15/10 (2006.01) C12N 15/65 (2006.01)
C12N 15/11 (2006.01)

(21) International Application Number:

PCT/SG2011/000116

(22) International Filing Date:

24 March 2011 (24.03.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/329,888 30 April 2010 (30.04.2010) US

(71) Applicant (for all designated States except US):

TEMASEK LIFE SCIENCES LABORATORY LIMITED [SG/SG]; 1 Research Link, National University of Singapore, Singapore 117 604 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TANG, Xie

[CN/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117 604 (SG). BALASUBRAMANIAN, Mohan [IN/SG]; c/o Temasek Life Sciences Laboratory Limited, 1 Research Link, National University of Singapore, Singapore 117 604 (SG).

(74) Agent: MATTEUCCI, Gianfranco; Marks & Clerk Singapore LLP, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

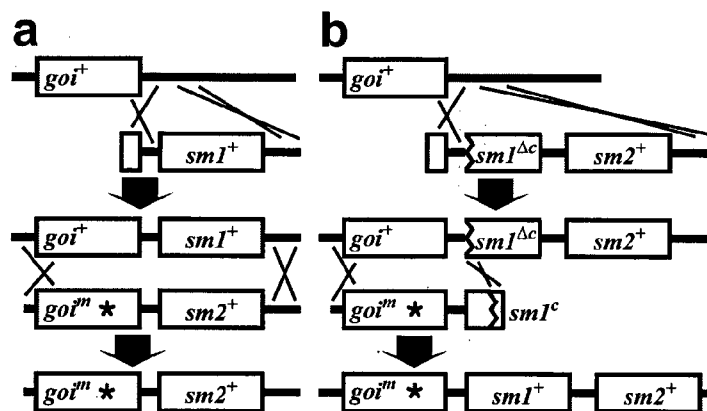
Published:

— with international search report (Art. 21(3))

— with sequence listing part of description (Rule 5.2(a))

(54) Title: FRAGMENT SWITCH: A REVERSE GENETIC APPROACH

Figure 1



(57) Abstract: The present invention relates to the field of reverse genetics. More particularly, the present invention relates to a novel reverse genetic approach termed "fragment switch" which is used to generate an allelic series in genes of interest which are useful for functional analysis.