

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2021/022237 A1

(43) International Publication Date
04 February 2021 (04.02.2021)

(51) International Patent Classification:

C12Q 1/6844 (2018.01) *C12Q 1/6869* (2018.01)
C12Q 1/6855 (2018.01) *C12Q 1/6874* (2018.01)
C12Q 1/686 (2018.01) *C12Q 1/6876* (2018.01)

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(21) International Application Number:

PCT/US2020/044673

(22) International Filing Date:

01 August 2020 (01.08.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/881,936 01 August 2019 (01.08.2019) US

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(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

(54) Title: METHODS AND REAGENTS FOR NUCLEIC ACID SEQUENCING AND ASSOCIATED APPLICATIONS

(57) Abstract: The present technology relates generally to the methods and associated reagents for providing error-corrected nucleic acid sequences. In particular, several embodiments are directed to adapter molecules comprising a hairpin shape and methods of use of such adapters in Duplex Sequencing and other sequencing applications. In some embodiments, physically-linked nucleic acid complexes comprising both the first strand and the second strand can be amplified and independently sequenced in a same clonal cluster on a sequencing surface.



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