

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

REVISED VERSION

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2020/168145 A9

(43) International Publication Date
20 August 2020 (20.08.2020)

(51) International Patent Classification:
C07K 14/005 (2006.01)

(21) International Application Number:
PCT/US2020/018206

(22) International Filing Date:
14 February 2020 (14.02.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/806,317 15 February 2019 (15.02.2019) US

(71) Applicant: SANGAMO THERAPEUTICS, INC.
[US/US]; 501 Canal Boulevard, Richmond, California
94804 (US).

(72) Inventors: KANG, Andrea J.; c/o Sangamo Therapeutics,
Inc., 501 Canal Boulevard, Richmond, California 94804
(US). SUROSKY, Richard T.; c/o Sangamo Therapeutics,
Inc., 501 Canal Boulevard, Richmond, California 94804
(US). WARD, Alex Michael; c/o Sangamo Therapeutics,
Inc., 501 Canal Boulevard, Richmond, California 94804
(US).

(74) Agent: LI, Z. Ying et al.; Steptoe & Johnson LLP, 1330
Connecticut Avenue, N.W., Washington, District of Colum-
bia 20036 (US).

(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, 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).

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

(88) Date of publication of the revised international search
report:

10 December 2020 (10.12.2020)

(15) Information about Correction:

see Notice of 10 December 2020 (10.12.2020)

(54) Title: COMPOSITIONS AND METHODS FOR PRODUCING RECOMBINANT AAV

(57) Abstract: Provided herein are nucleic acid constructs, host insect cells, and methods for producing recombinant AAV capsids with high potency at high yield.

WO 2020/168145 A9