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Transcription of the viral genome in cell lines transformed by simian virus 40. I. Mapping of virus-specific nuclear RNAs

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In the legends to the figures the symbols were omitted. The correct version of the legends are given below:

Fig. 1. Kinetics of hybridization of separated minus (o) and plus (•) strands of SV40 DNA fragments produced by Eco RI, Bam HI and Bgl-I restriction endonucleases with different amounts of RNA extracted from the nuclei of three SV40 transformed cell lines. The conditions of hybridization were as described in Materials and Methods. Each point of the curve is a mean value from three independent experiments. (a), (e), (i) - hybridization with separated strands of entire SV40 DNA; (b), (f), (j) - with fragment A; (c), (g), (k) - with fragment B; (d), (h), (l) - with fragment C.

Fig. 2. Hybridization of the minus DNA strand of (a) fragment A; (b) fragment B; and (c) fragment C of SV40 DNA with nontransformed cell nuclear RNA to which 0.00005% (o), 0.00025% (•) and 0.001% (△) of asymmetric SV40 cRNA were added.

Fig. 3. Kinetics of reassociation of \( {^{32}}\text{P} \)-labeled DNA of fragment A (a), fragment B (b), fragment C (c) and of the whole SV40 DNA (d) in the presence of DNA extracted from transformed cells (clone 14B) - (o) and in the presence of DNA extracted from the nuclei of the same cell line treated with DNase I under the conditions when 7% (▼) and 15% (▲) of the total DNA become acid-soluble. Reassociations were carried out as described in Materials and Methods. The specific activities of the DNA probe were 1.1 \( \times \) \( 10^8 \) cpm/μg for fragment A; 1.25 \( \times \) \( 10^8 \) cpm/μg for fragment B; 0.98 \( \times \) \( 10^8 \) cpm/μg for fragment C and 1.3 \( \times \) \( 10^8 \) cpm/μg for the whole SV40 DNA. The concentration of labeled DNA probe in each reaction mixture was 2.5 \( \times \) \( 10^{-4} \) μg/ml. The time required to reassociate a half of the DNA probe in the presence of control calf thymus DNA (\( t_{1/2} \)) was 90.11 ± 9.45 hours for fragment A; 61.85 ± 5.99 hours for fragment B; 38.22 ± 2.46 hours for fragment C and 164.28 ± 34.68 hours for the whole SV40 DNA. (•) - reassociation of labeled DNA in the presence of control calf thymus DNA.