Online Resource 3. (a) Immunofluorescent staining of chicken somatic cells of MDCC-MSB1 cell line with antibody against symplekin (green). Arrows indicate symplekin-positive nuclear bodies. Scale bar 10 µm. Immunofluorescent staining was performed according to the procedure described in Materials and Methods. (b) Fluorescence in situ hybridization of chicken somatic cells of MDCC-MSB1 cell line with U7 snRNA antisense oligomer. Arrows indicate nuclear bodies accumulating U7 snRNA. Scale bar 5 µm. FISH with U7 snRNA antisense oligomer was performed according to the procedure described in Materials and Methods. (c) Extrachromosomal coilin-positive nuclear bodies (arrows) in large-sized oocytes of egg-laying pigeon females do not contain nucleolar protein NO38. Double immunofluorescent staining of intact oocyte nucleus with antibodies against coilin (red) and protein NO38 (green). Scale bar 20 µm. (d) Immunofluorescent staining of avian somatic cells with antibody against protein NO38 (red). Scale bar 10 µm. (e) Western blot analysis of pigeon germ cell protein extract with mAb Y12 against symmetrical dimethylarginine, a secondary modification of some of the Sm proteins.

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