**Figure S22.** Autoradiogram of 20% denaturing PAGE, showing the cleavage kinetics of 5'-32P-labelled target RNA (14) by RNase H1 in the native AON (1)/RNA (14), 15-DPPz AON (7) /RNA (14), 15-3T-DPPZ (8) /RNA (14), 15-3T-Cholest AON (10) /RNA (14) and 15-2C-Cholest AON (11) /RNA (14) hybrid duplexes. PDE-Ladder: snake venom PDE ladder. Conditions of cleavage reaction: RNA (0.61 µM) and AONs (5 µM) in buffer, containing 20 mM Tris-HCl (pH 8.0), 20 mM KCl, 10 mM MgCl2 and 0.1 mM DTT at 21 ºC, 0.12 U of RNase H. Total reaction volume is 30 µl. (See Materials and Methods section for full experimental details.)