

## Supplemental Figures

**Figure S1: *In vitro* characterization of StCsm complexes targeting *EGFP* transcript. Related to Figure 1.** (A) Coomassie blue-stained SDS-PAGE of purified StCsm complexes. M - protein mass marker. (B) Denaturing PAGE analysis of crRNA co-purifying with the StCsm complexes. StCsm complex co-purifies with two different RNAs: unmaturred 72 nt crRNA or maturated 40 nt crRNA. 72 nt crRNA resulting from the pre-crRNA cleavage is comprised of 8 nt 5'-handle, 36 nt spacer and 28 nt 3'-handle. Maturated 40 nt crRNA contains an 8 nt 5'-handle derived from the repeat sequence and a 32 nt spacer which resulted from the 3'-end processing of unmaturred 72 nt crRNA.

