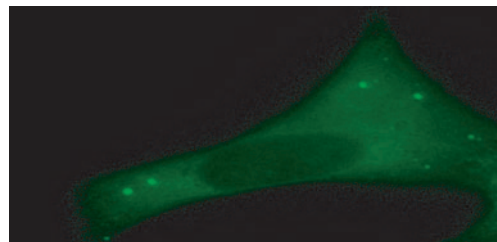
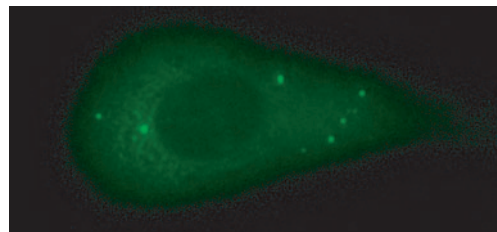


myc-Ago2(H634A)

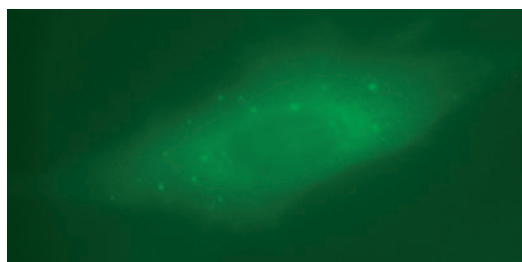


myc-Ago2(D597A)

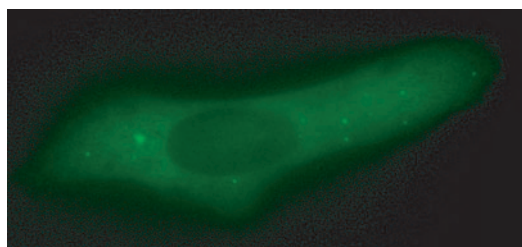


myc-Ago2(D669A)

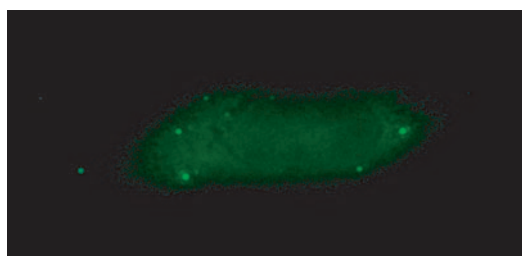
Figure S1 Localization of catalytically inactive Ago2 mutants. Catalytically inactive Ago2 mutants, H634A, D597A and D669A were expressed in U2-OS cells as myc-tagged proteins and localized in cells using FITC-conjugated anti-myc



myc-Ago1



myc-Ago3

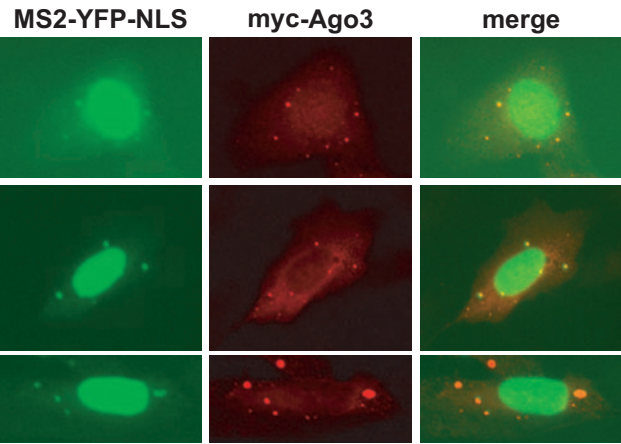
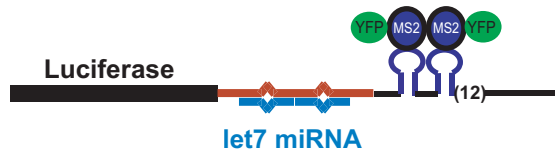


myc-Ago4

Figure S2 Localization of catalytically inactive Argonaute subfamily proteins. Myc-tagged Ago1, Ago3 and Ago4 proteins were immunolocalized in human U2-OS cells using FITC-conjugated anti-myc antibodies.

a

mRNA reporter:



b

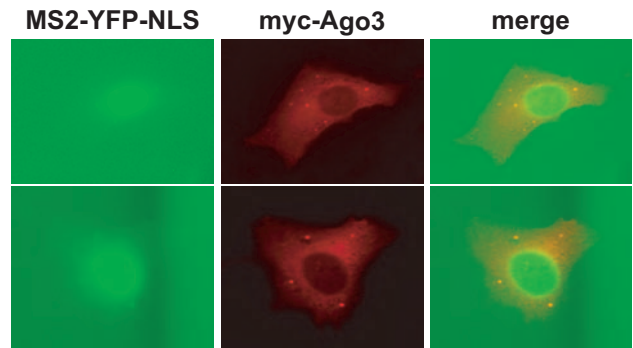
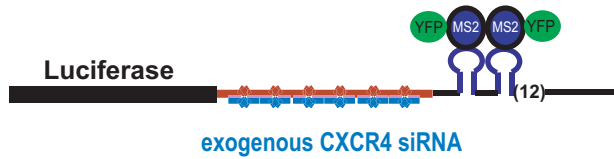


Figure S3 Co-localization of Ago3 with miRNA targets. **(a)** The Luciferase-lin41 UTR fusion reporter was co-expressed in U2-OS cells with an MS2-YFP-NLS fusion protein and myc-Ago3. Reporter mRNA was visualized indirectly with YFP. Ago3 was localized using a Rhodamine Red conjugated anti-myc antibody. **(b)** The Luciferase-CXCR4 reporter was expressed in cells that were also transfected with the CXCR4 siRNA and a plasmid directing the expression of myc-Ago3. Analysis was as in **a**.