

Supplementary Information for:

Structure of precursor microRNA's terminal loop regulates human Dicer's dicing activity by switching DExH/D domain

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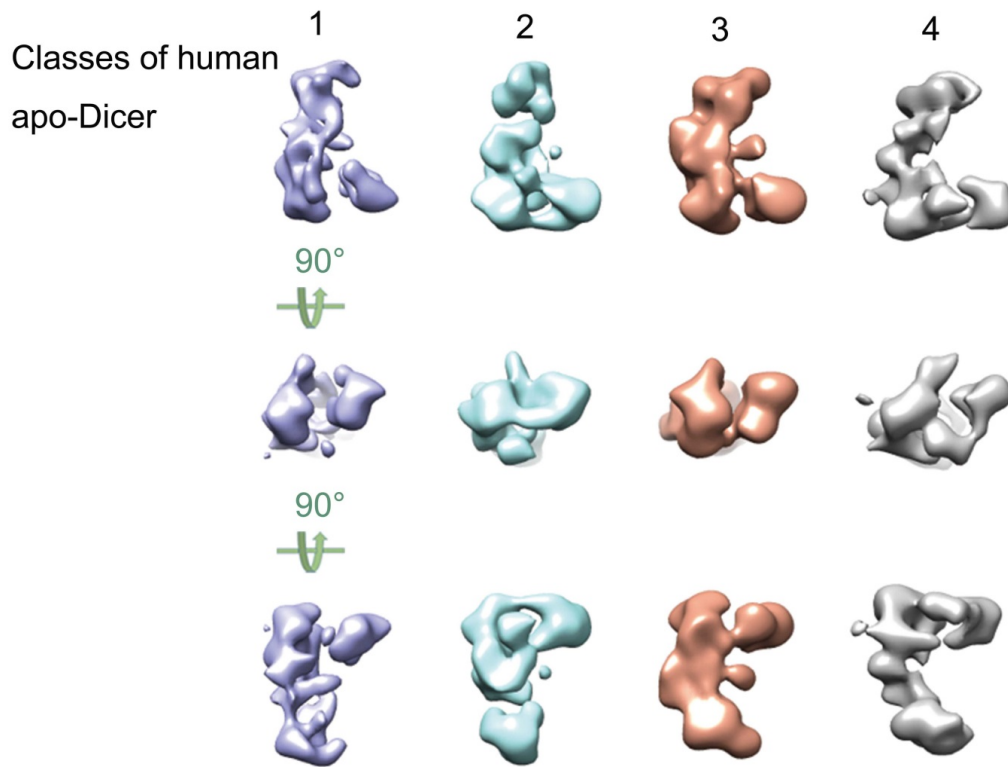
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Supplementary Figures

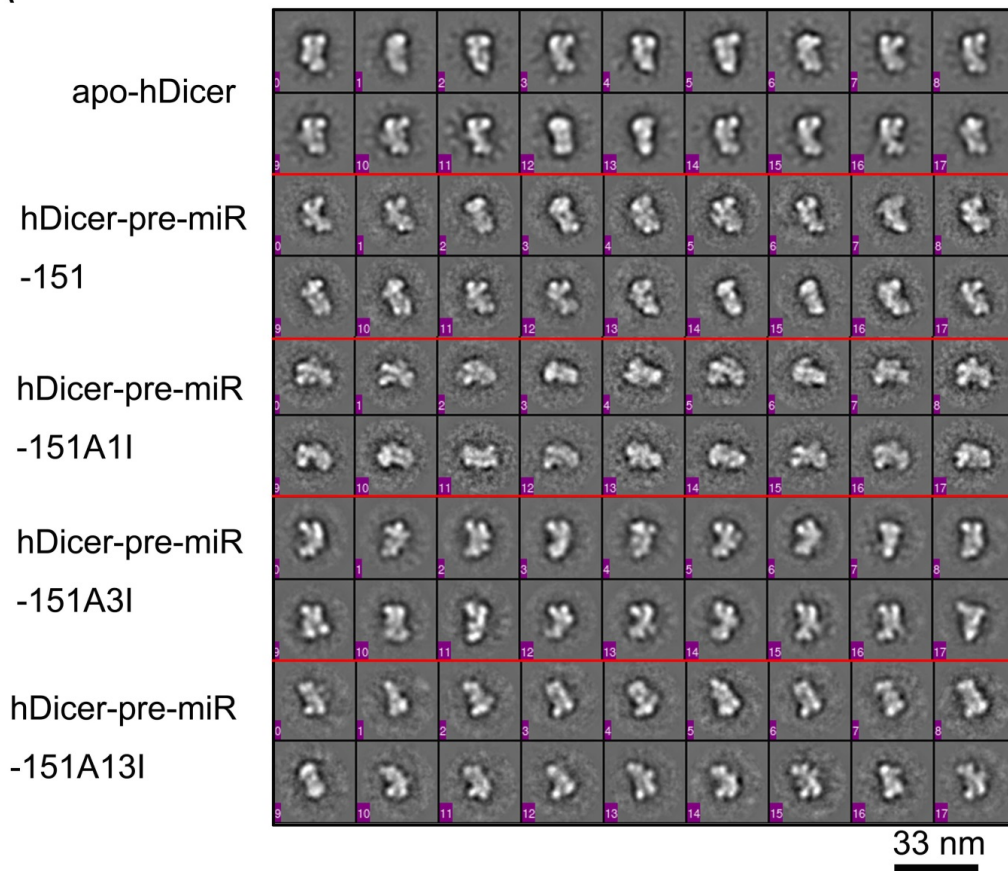
Supplementary Fig 1



Supplementary Fig 1. 3D Classes of human apo-Dicer. Human apo-Dicer images were classified into four classes from which 3D reconstructions were obtained as shown in columns 1-4, respectively.

Supplementary Fig 2

A



B

Sample	Resolution	Particles percentage (%)
Apo-hDicer	16.8	28.8
hDicer-pre-miR-151	19.5	25.5
hDicer-pre-miR-151A1I	17.0	25.6
hDicer-pre-miR-151A3I	19.0	22.7
hDicer-pre-miR-151A13I	18.5	25.2

Supplementary Fig 2. Classical 2D class-averages and 3D classification information of human Dicer with and without RNA substrates.