

Table S1. Similarities and discrepancies between selected published results reporting the effects of depletion of Dicer and its protein partners on the level of AGO2, PACT, TRBP, DICER, miRNA and pre-miRNA.

Denotation: Arrows indicate either increase or decrease in the protein level of the AGO2, PACT, TRBP, DICER, and the appropriate change in miRNA and pre-miRNA levels. An equal sign indicates no change. Shadowed cells present the expected effect of targeting the particular gene with specific siRNAs.

	AGO2 level	PACT level	TRBP level	DICER level	miRNA level	pre-miRNA level
AGO2 deficiency	↓	↑ = in agreement with the results of (Lee <i>et al.</i> 2006) but not commented by the authors	↑ in agreement with the results of (Lee <i>et al.</i> 2006)	↑ = in agreement with the results of (Lee <i>et al.</i> 2006; Vickers <i>et al.</i> 2007)	↓ in agreement with the results of (O'Carroll <i>et al.</i> 2007)	↓ in contrast to the results of (O'Carroll <i>et al.</i> 2007)
PACT deficiency	=	↓	↓ = in contrast to the results of (Lee <i>et al.</i> 2006)	↓ in agreement with the results of (Lee <i>et al.</i> 2006)	↓ in agreement with the results of (Lee <i>et al.</i> 2006)	↓ in agreement with the results of (Lee <i>et al.</i> 2006) but not discussed by the authors
TRBP deficiency	= in agreement with the results of (Chendrimada <i>et al.</i> 2005)	= in agreement with the results of (Lee <i>et al.</i> 2006)	↓	↓ in agreement with the results of (Chendrimada <i>et al.</i> 2005; Melo <i>et al.</i> 2009)	↓ in agreement with the results of (Chendrimada <i>et al.</i> 2005; Lee <i>et al.</i> 2006; Melo <i>et al.</i> 2009)	↓
DICER deficiency	= in agreement with the results of (Chendrimada <i>et al.</i> 2005)	= in agreement with the results of (Lee <i>et al.</i> 2006)	= in agreement with the results of (Lee <i>et al.</i> 2006)	↓	↓	↑
					in agreement with the results of (Landthaler <i>et al.</i> 2004; Monticelli <i>et al.</i> 2005; Cummins <i>et al.</i> 2006; Lee <i>et al.</i> 2006; O'Carroll <i>et al.</i> 2007)	

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