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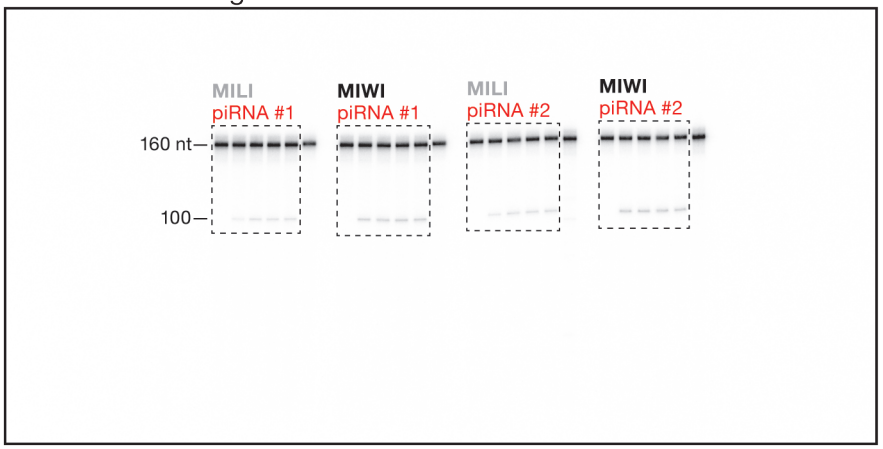
Supplementary information

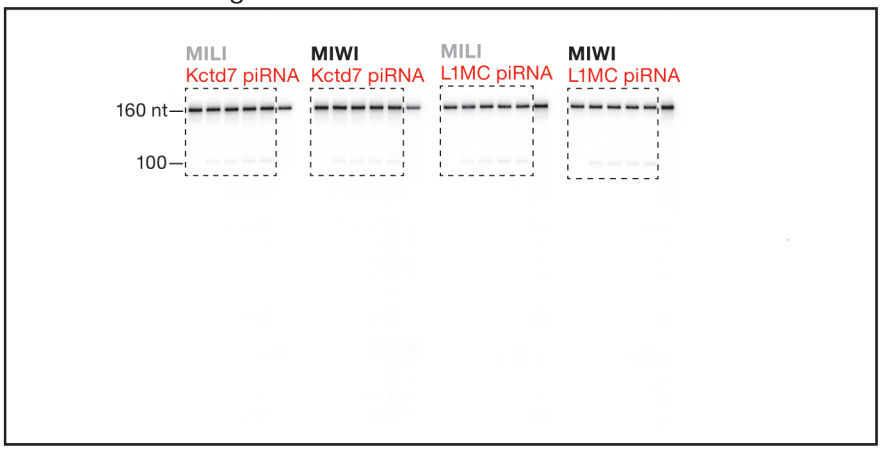
Relaxed targeting rules help PIWI proteins silence transposons

In the format provided by the authors and unedited

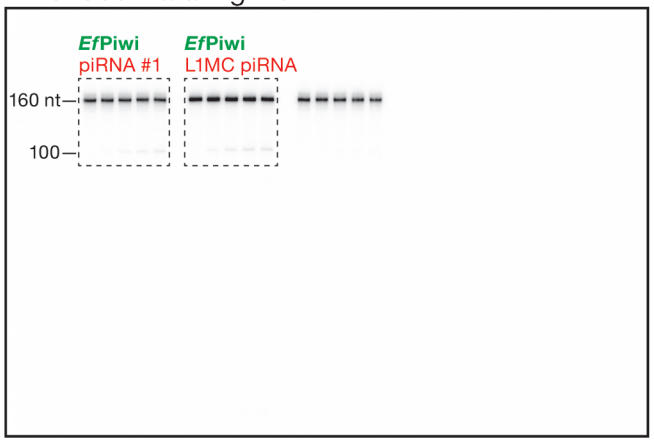
Extended Data Fig. 1c



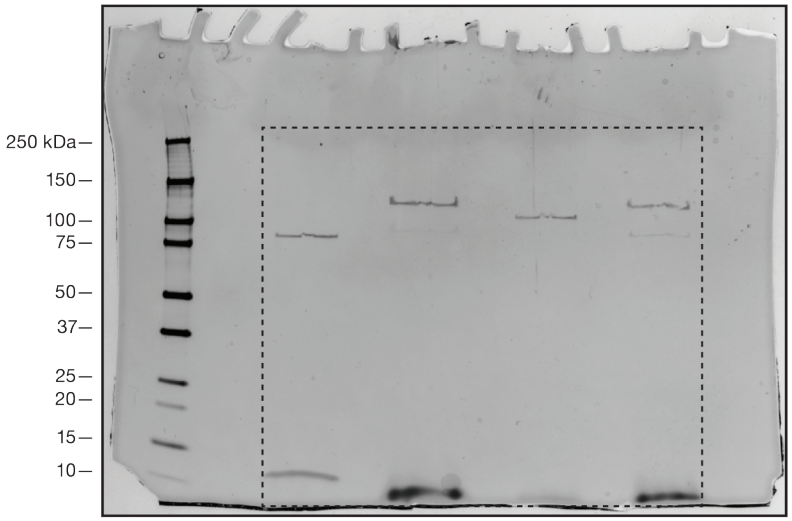
Extended Data Fig. 1c



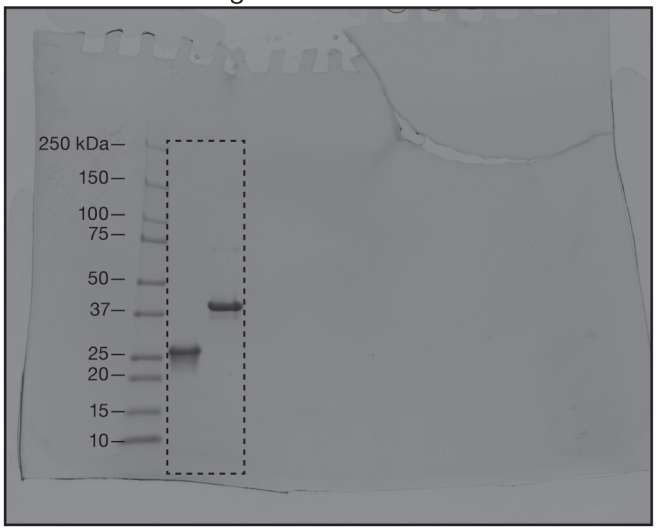
Extended Data Fig. 1c



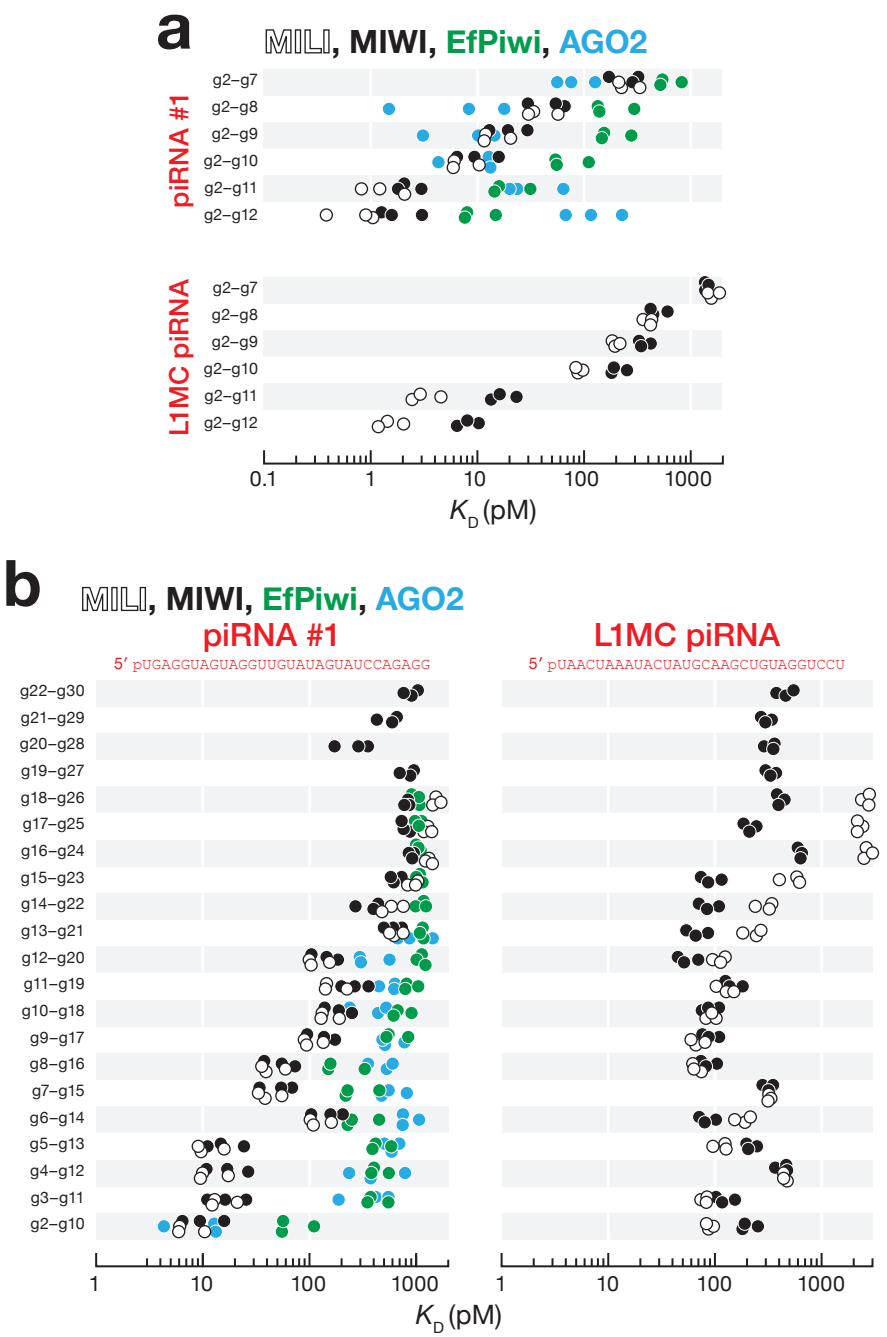
Extended Data Fig. 1d



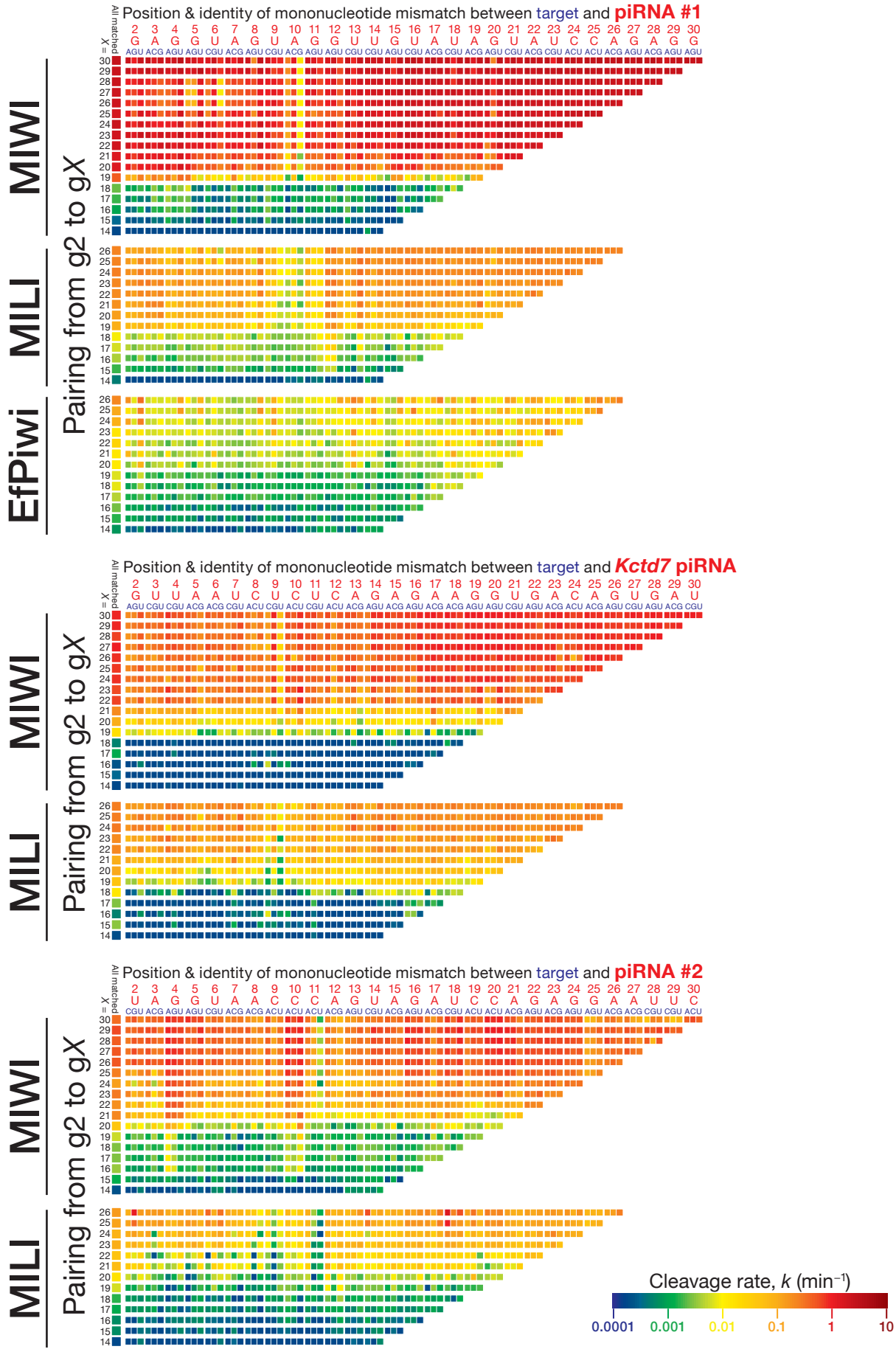
Extended Data Fig. 1e



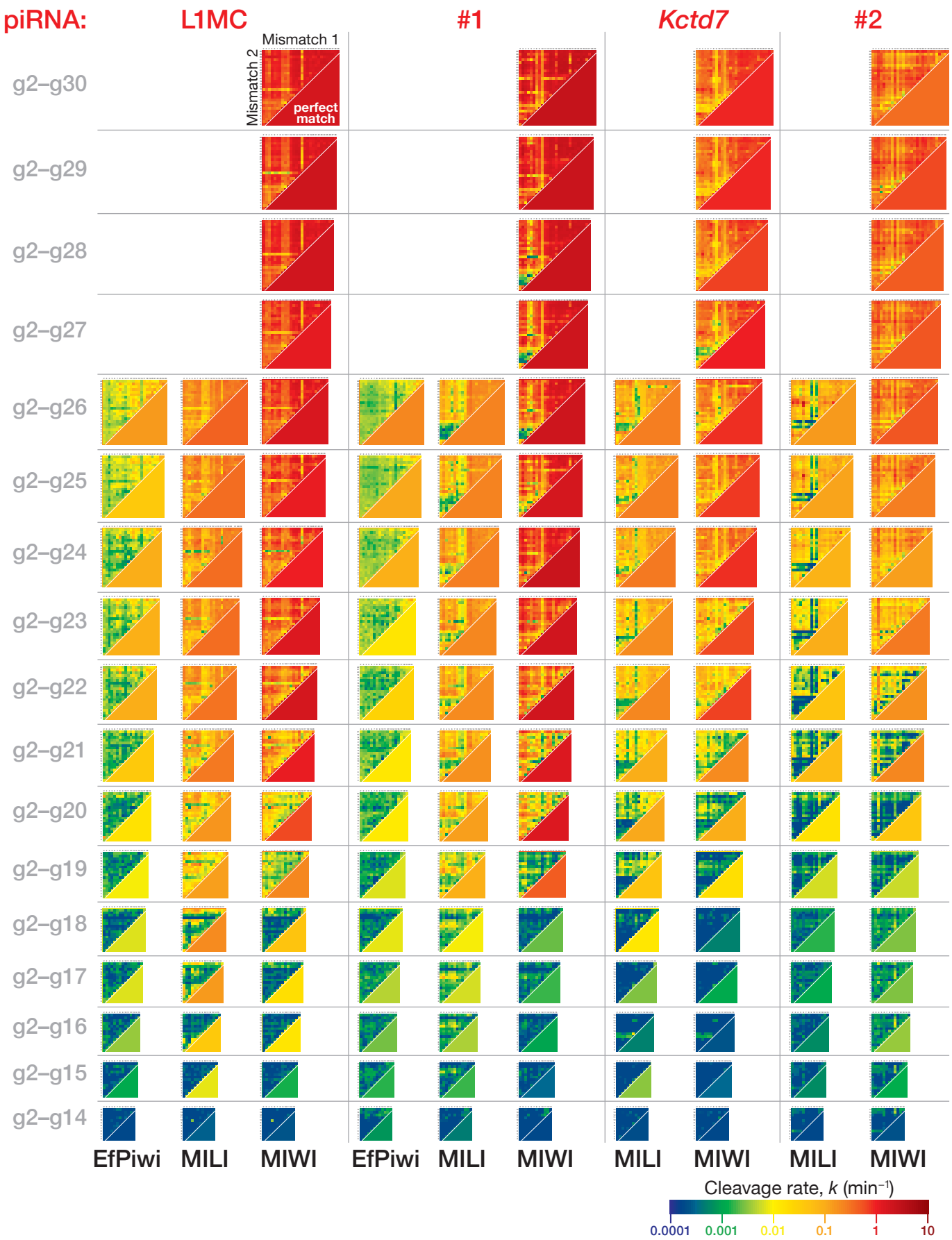
Supplementary Figure 1. Uncropped gel source data.



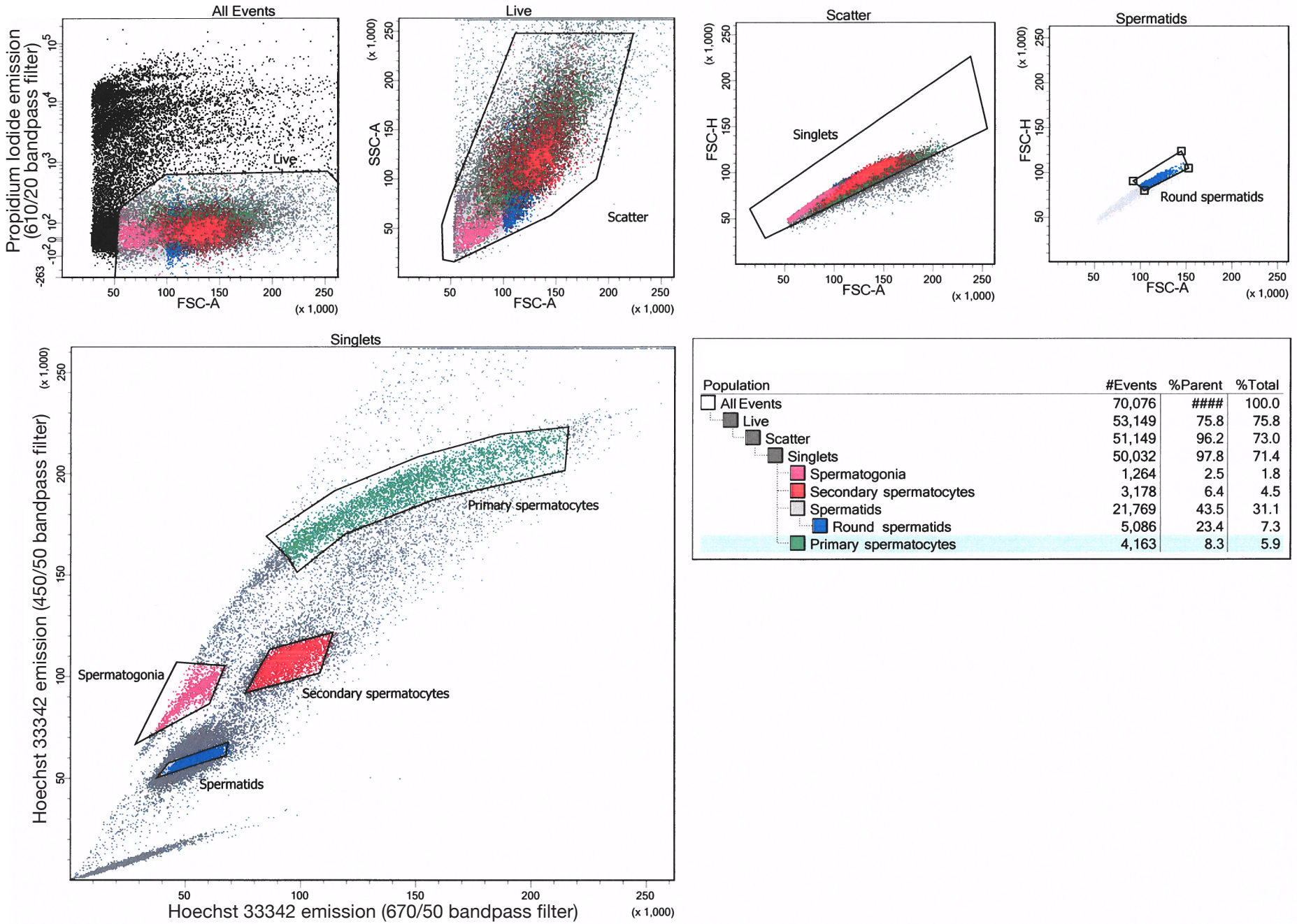
Supplementary Figure 2. Binding affinities (K_D) of MIWI, MILI, EfPiwi, and mouse AGO2 for canonical (a) and non-canonical (b) target sites. Data are from three independent trials. Mean and the standard deviation of the data are shown in Figs. 1c and 1d.



Supplementary Figure 3. MILI, MIWI, and EfPiwi pre-steady-state cleavage rates for piRNA #1, Kctd7 piRNA, or piRNA #2 targets with a single unpaired nucleotide.



Supplementary Figure 4. MILI, MIWI, EfPiwi pre-steady-state cleavage rates for L1MC piRNA, piRNA #1, Kctd7 piRNA, or piRNA #2 targets with two unpaired nucleotides.



Population	#Events	%Parent	%Total
All Events	70,076	####	100.0
Live	53,149	75.8	75.8
Scatter	51,149	96.2	73.0
Singlets	50,032	97.8	71.4
Spermatogonia	1,264	2.5	1.8
Secondary spermatocytes	3,178	6.4	4.5
Spermatids	21,769	43.5	31.1
Round spermatids	5,086	23.4	7.3
Primary spermatocytes	4,163	8.3	5.9

Supplementary Figure 5. FACS gating strategy to purify mouse primary germ cells