

**Supplementary Table 4.** Descriptive statistics of all *MatKD* 0-1.5h embryo small RNA-seq data

	<b>Total # Reads</b>	<b># piRNA reads (not rRNA, miRNA, or siRNA; aligned to the <i>Drosophila</i> genome)</b>	<b>% of total reads that are piRNAs</b>	<b>Aligned antisense to non- TE genes</b>	<b>% of piRNAs that map to a non-TE target</b>	<b>Number of Targeting Alignment Records</b>
<i>GFP-MatKD</i> rep1	19654415	5789114	29.45	2947223	50.91	29986375
<i>GFP-MatKD</i> rep2	20630140	6331070	30.69	3175830	50.16	31118142
<i>GFP-MatKD</i> rep3	17765806	5350755	30.12	2861904	53.49	28736090
<i>piwi-MatKD</i> #1 rep1	22130757	5377730	24.3	2670623	49.66	27355789
<i>piwi-MatKD</i> #1 rep2	17965708	4501589	25.06	2342525	52.04	24612194
<i>piwi-MatKD</i> #1 rep3	21577209	4760424	22.06	2287911	48.06	22536160
<i>piwi-MatKD</i> #2 rep1	13837789	3335564	24.1	1879529	56.35	19917472
<i>piwi-MatKD</i> #2 rep2	15575360	4141628	26.59	1980495	47.82	20206259
<i>piwi-MatKD</i> #2 rep3	20860692	6371255	30.54	3377382	53.01	34902350