

Supplementary Table 1. Descriptive statistics of all *MatKD* 0-1.5h embryo RNA-seq data

	Total # Reads	# Uniquely Mapped Reads	% Uniquely Mapped Reads	Number Multi-Mapped Reads	% Multi-Mapped Reads
<i>GFP-MatKD</i> rep1	47375127	44763764	94.49%	1156623	2.44%
<i>GFP-MatKD</i> rep2	34895487	32694270	93.69%	1138630	3.26%
<i>GFP-MatKD</i> rep3	17515312	16418018	93.74%	407116	2.32%
<i>piwi-MatKD</i> #1 rep1	20912949	20117251	96.20%	386703	1.85%
<i>piwi-MatKD</i> #1 rep2	64693508	60860240	94.07%	1308064	2.02%
<i>piwi-MatKD</i> #1 rep3	41342167	38564174	93.28%	931481	2.25%
<i>piwi-MatKD</i> #2 rep1	12303735	8150556	66.24%	3756240	30.53%
<i>piwi-MatKD</i> #2 rep2	79009015	72548594	91.82%	1913042	2.42%
<i>piwi-MatKD</i> #2 rep3	34815729	19483548	55.96%	12961436	37.23%