

## Annotating piRNA processing

It should be possible to distinguish between primary and secondary piRNA processing in *Drosophila* by using the indicators below:

Feature	Primary	Secondary
Cell type:Follicle cell		
Cell type:Germ		
Subcellular:Nuage/P granule		
Subcellular: Yb body		
Piwi protein:piwi		
Piwi protein:AGO3		
Piwi protein:Aub		
Mechanism of gene silencing: heterochromatin formation		
Mechanism of gene silencing:post-transcriptional		
Gene silencing occurs in:nucleus		
Gene silencing occurs in:cytoplasm		
Retrotransposon target:uni-strand		
Retrotransposon target:dual-strand		
piRNA population: <a href="#">ping-pong pairs</a>		
piRNA population: <a href="#">antisense-bias</a>		

Excellent description of difference between primary and secondary piRNA processing in *D.mel* is given in PMID:[22902557](#) and PMID: [19395010](#).

Annotate the terms **GO:0140990 primary piRNA processing** or **GO:0140965 secondary piRNA processing** over the more general term **GO:0034587 piRNA processing**.