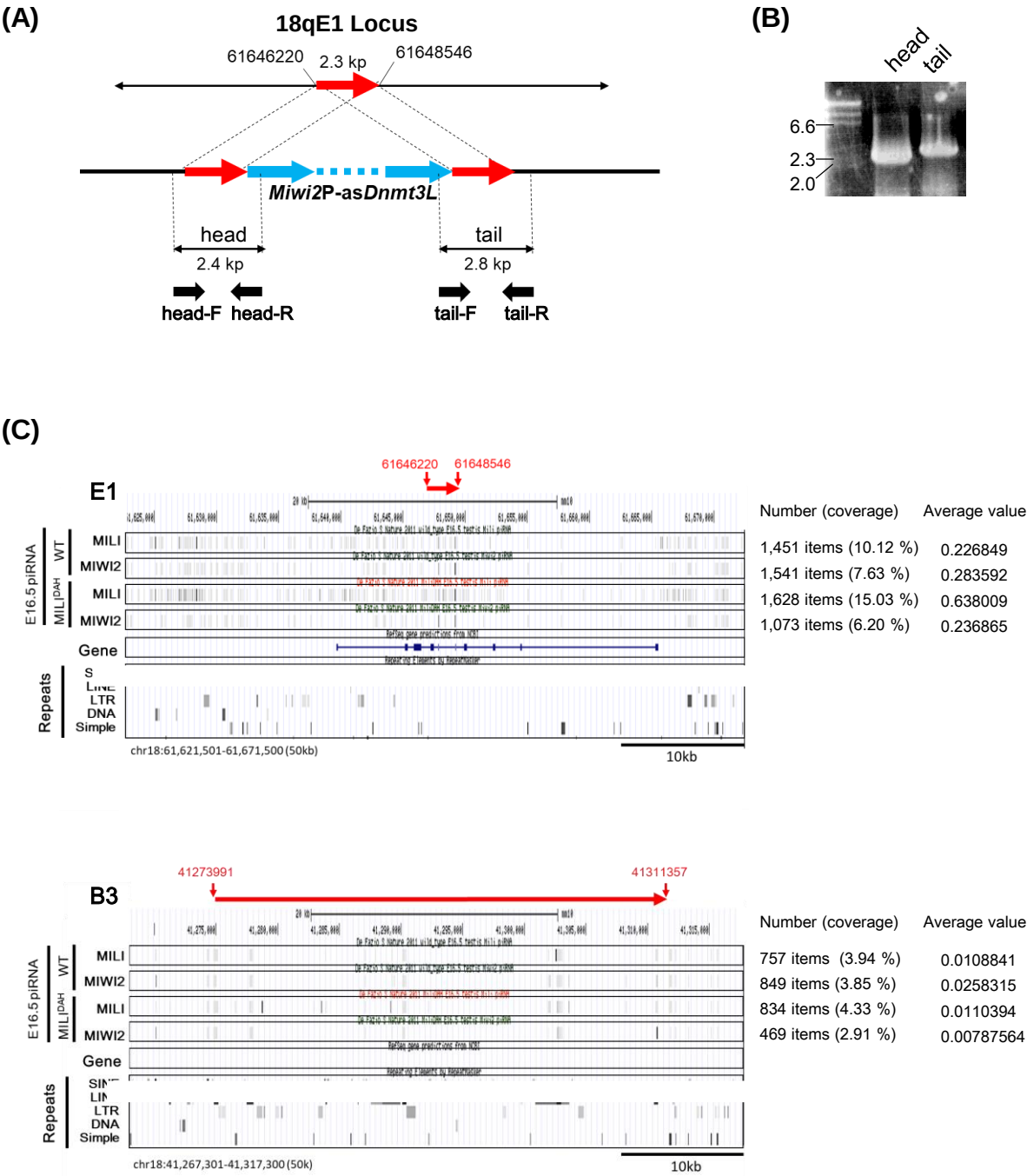
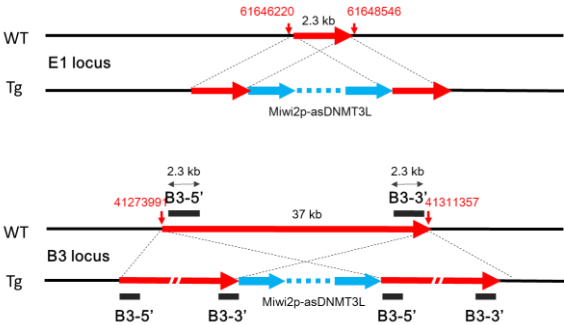


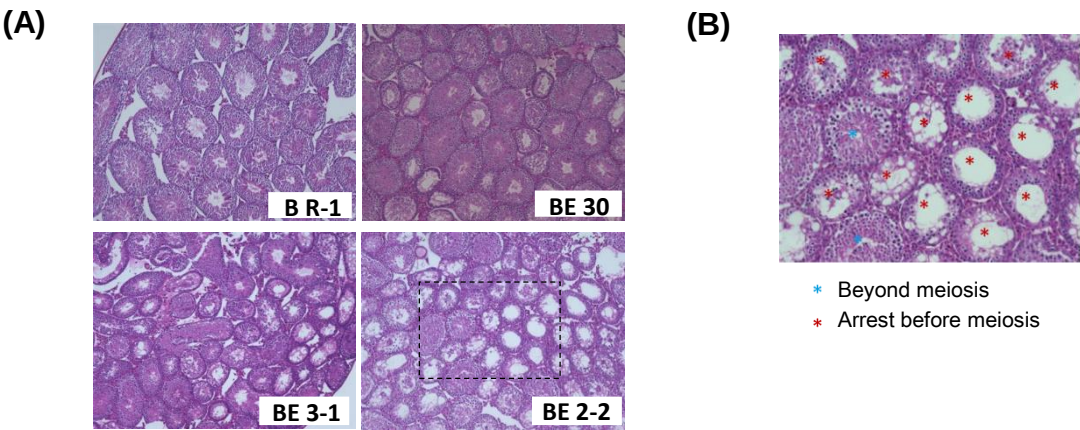


(D)

non miRNA, non t-RNA (23-30nt)		9,855,794		1,823,734	
23-30 mer (0 mismatch)		Previous WT data		Current non-Tg data	
		sense	antisense	sense	antisense
50 kb	18qE1	14,639 (29.71)	18,315 (37.17)	2,167 (23.76)	2,194 (24.06)
	18qB3	3,846 (7.80)	2,124 (4.31)	426 (4.67)	480 (5.26)
2.3 kb	18qE1	20 (0.88)	466 (20.56)	7 (1.67)	121 (28.85)
	18qB3-5'	545 (24.04)	262 (11.56)	88 (20.98)	106 (25.27)
	18qB3-3'	77 (3.40)	30 (1.32)	7 (1.67)	2 (0.48)
2.5 kb	Miwi2 promoter	9 (0.37)	3 (0.12)	9 (1.97)	1 (0.22)

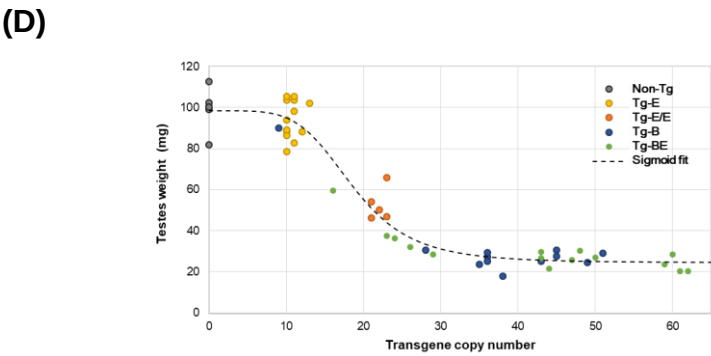
piRNA read count (normalized per 1000 base and per 1,000,000 of non miRNA, non t-RNA)



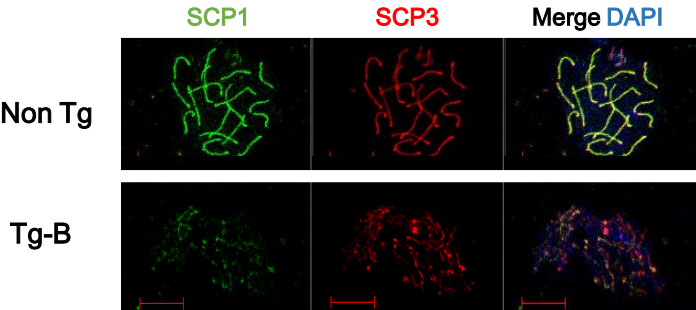


(C)

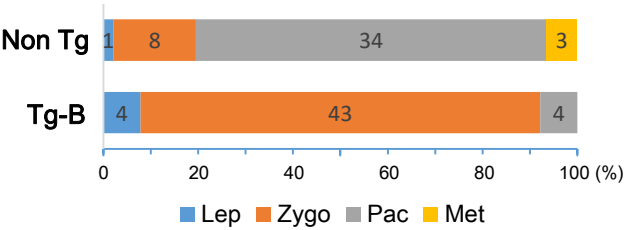
	+/+	+/E	+/E	E/E	E/E
Tg copy number	0	11	11	22	22
Beyond meiosis (%)	100	97	97	63	54
Testis/body weigh (mg/g)	3.25	3.12	3.31	1.55	1.56



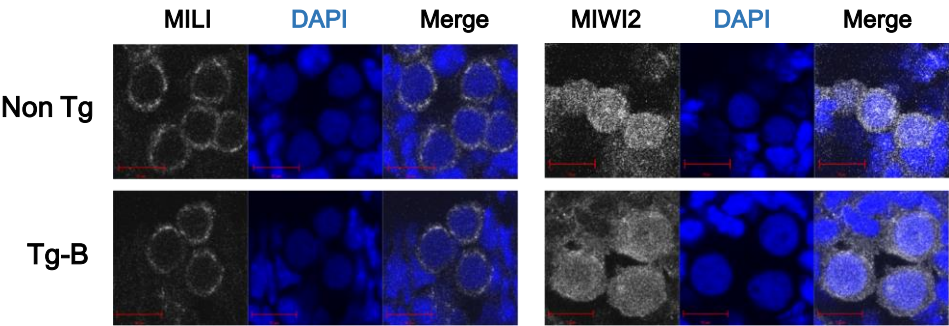
(A)



(B)



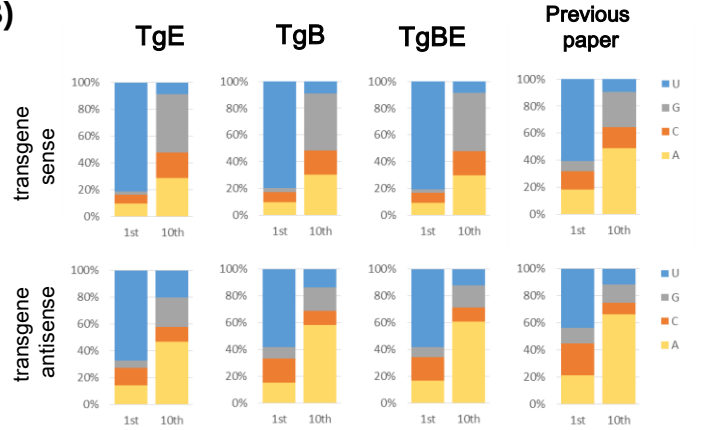
(C)



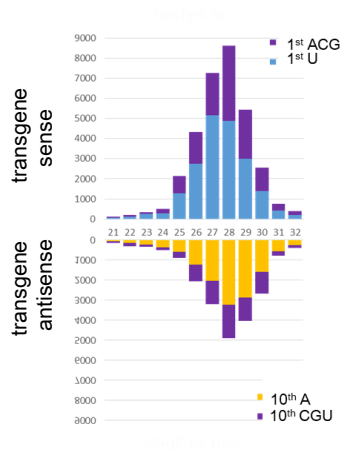
(A)

Total read
↓ adaptor trimming
select 15-45 nt
├→ remove miRNA (miRBase)
├→ remove tRNA (tRNAlist)
↓
Non-miRNA & tRNA pool
└→ **Tg-as3L tansgene**

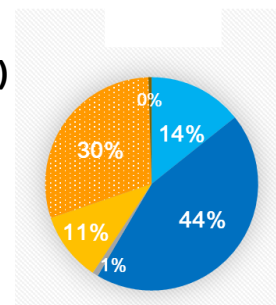
(B)



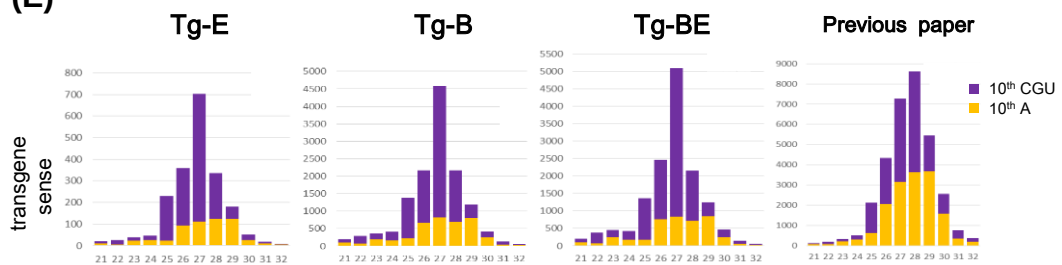
(C)



(D)



(E)



(F)

