

Specific luciferase activity during development expressed as LU/ μ g of total protein

Construct (clone#)	Analysis #	Repetitions	LU/ μ g	Mean LU/ μ g for construct	Percentage of WT (%)
T72M (1)	1	5	7.6×10^5	6.62×10^5	55.2
T72M (2)	1	3	1.81×10^5		
T72M (11)	1	6	1.32×10^6		
T72M (12)	1	4	3.88×10^5		
TTM (10)	1	3	2.01×10^3	1.84×10^3	0.153
TTM (14)	1	3	2.25×10^2		
TTM (16)	1	6	3.69×10^3		
TTM (16)	2	5	1.42×10^3		
TXM (1)	1	8	2.88×10^3	1.55×10^3	0.129
TXM (4)	1	17	1.43×10^3		
TXM (8)	1	4	4.67×10^2		
TXM (27)	1	9	1.43×10^3		
XXM (52)	1	4	1.05×10^3	2.61×10^3	0.218
XXM (53)	1	4	7.97×10^2		
XXM (54)	1	4	7.69×10^3		
XXM (57)	1	4	9.04×10^2		

Table 2. Effects of TAG-Box Mutations on Reporter Gene Expression.

This table shows the results obtained from mutations in the TAG-boxes of *gp2*. *Dichostelium* transformants of constructs T72M, TTM, TXM and XXM were obtained and analyzed as described previously (also see Table 1 legend). Mutation of one or both TAG-boxes (TXM and XXM respectively) resulted in almost no expression of the luciferase gene. Interestingly, mutations in the regions surrounding the TAG-boxes (TTM) also generated similar levels. Point mutations in each TAG-box (T72M) resulted in decreased levels of reporter gene expression (55% expression) but these levels are significantly higher than those of TTM suggesting that the transcriptional element includes the regions surrounding the TAG-boxes.