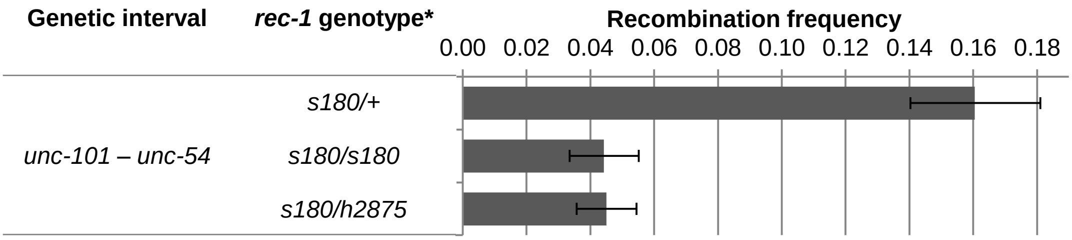
Supplemental Figure 1

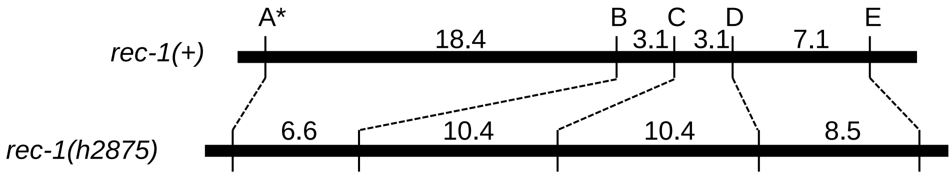


Supplemental Figure 2

A

Gamete type	Genotype at					Numbers observed in	
	Site A*	Site B	Site C	Site D	Site E	*rec-1(+)*	*rec-1(h2875)*
i	*B*	*B*	*B*	*B*	*B*	38	27
ii	*H*	*H*	*H*	*H*	*H*	29	41
iii	*B*	*H*	*H*	*H*	*H*	8	5
iv	*H*	*B*	*B*	*B*	*B*	10	2
v	*B*	*B*	*H*	*H*	*H*	1	6
vi	*H*	*H*	*B*	*B*	*B*	2	5
vii	*B*	*B*	*B*	*H*	*H*	2	4
viii	*H*	*H*	*H*	*B*	*B*	1	7
ix	*B*	*B*	*B*	*B*	*H*	4	4
x	*H*	*H*	*H*	*H*	*B*	3	5
with >1 crossover	(not observed)					0	0
					Total	98	106

B

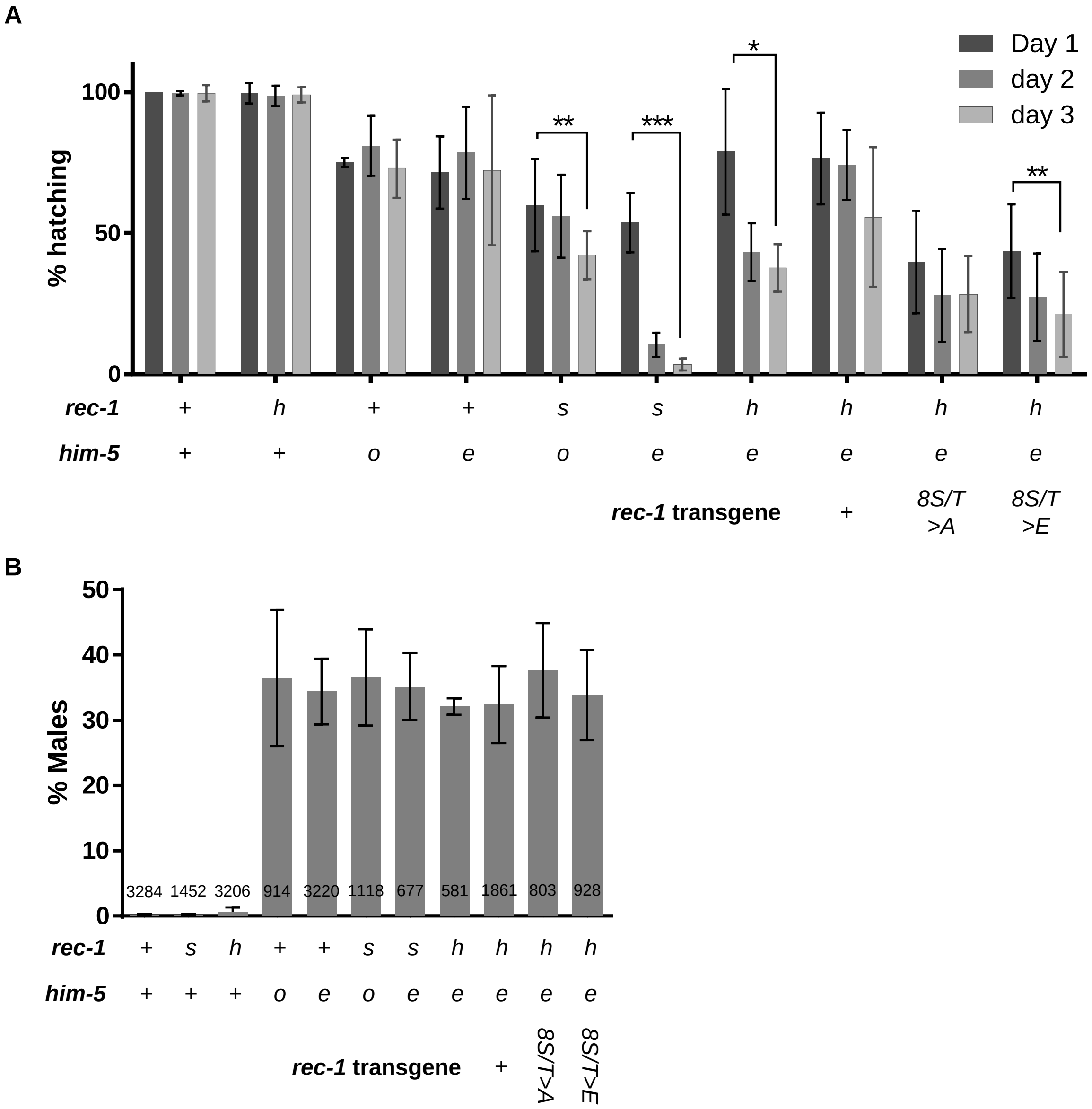


Supplemental Figures

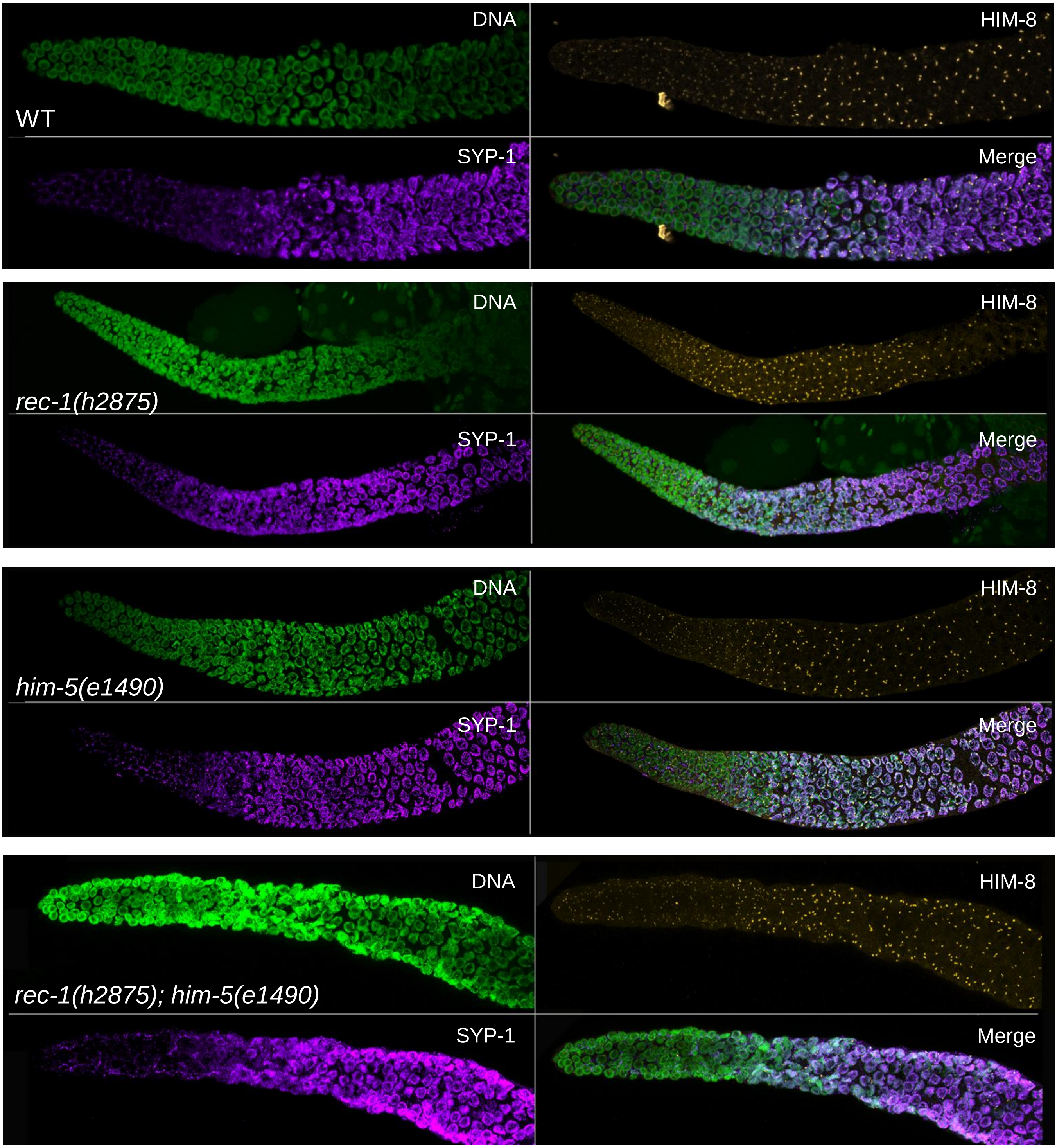
Supplemental Figure 3

```
CLUSTAL 2.1 multiple sequence alignment


Celeg_rec-1-N       MPGNDDIVMLSDEIVADLRRFIASRPVIQFDRRPGYVPTPWRNCWKEIIEIWSDDDSEDD 60
Crem_rec-1-N        MEDDDDLIEITDEQHARIRATIGKRP--EFDH---LILRDLQLSDSEEHRCESEEESEDD 55
                    * .:**:: ::**  * :*  *..**  :**:    :    : . .*  .  *:::****

Celeg_rec-1-N       DGD----------VITGSQEAQLKR 75
Crem_rec-1-N        EGGELFYKRNTLRVTTVAQEAAFKR 80
                    :*.          * * :*** :**
```

Supplemental Figure 4



Supplemental Figure 5



Supplemental Figure 6