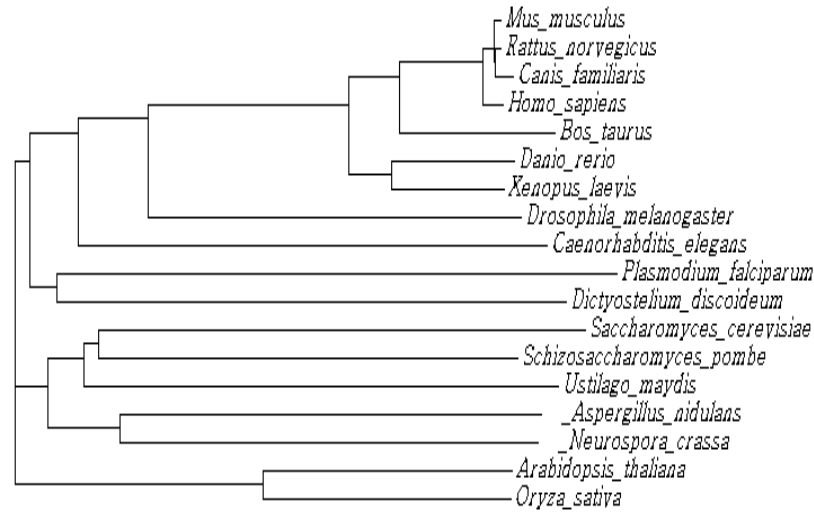


Figure S1

**A****B**

	<i>Mus musculus</i>	<i>Rattus norvegicus</i>	<i>Canis familiaris</i>	<i>Homo sapiens</i>	<i>Bos taurus</i>	<i>Danio rerio</i>	<i>Xenopus laevis</i>	<i>Drosophila melanogaster</i>	<i>Caenorhabditis elegans</i>	<i>Plasmodium falciparum</i>	<i>Dictyostelium discoideum</i>	<i>Saccharomyces cerevisiae</i>	<i>Schizosaccharomyces pombe</i>	<i>Ustilago maydis</i>	<i>Aspergillus nidulans</i>	<i>Neurospora crassa</i>	<i>Arabidopsis thaliana</i>	<i>Oryza sativa</i>
<i>Mus musculus</i>	100	98	97	78	79	83	47	33	18	21	17	25	30	26	26	25	27	25
<i>Rattus norvegicus</i>		100	98	78	80	83	47	33	18	21	17	25	30	26	25	25	25	27
<i>Canis familiaris</i>			100	93	79	80	83	47	32	17	20	18	25	26	23	23	26	28
<i>Homo sapiens</i>				100	82	79	83	47	33	18	20	18	25	28	25	23	25	27
<i>Bos taurus</i>					100	66	69	36	30	13	19	21	23	34	19	27	23	25
<i>Danio rerio</i>						100	82	48	33	18	23	19	26	30	25	22	25	23
<i>Xenopus laevis</i>							100	47	34	20	21	18	27	31	26	23	26	26
<i>Drosophila melanogaster</i>								100	32	20	24	20	22	23	20	23	24	24
<i>Caenorhabditis elegans</i>									100	19	23	19	20	22	20	20	21	21
<i>Plasmodium falciparum</i>										100	21	15	17	12	15	19	20	20
<i>Dictyostelium discoideum</i>											100	18	25	18	17	15	22	23
<i>Saccharomyces cerevisiae</i>												100	33	26	24	26	19	17
<i>Schizosaccharomyces pombe</i>													100	34	31	30	22	24
<i>Ustilago maydis</i>														100	23	23	21	23
<i>Aspergillus nidulans</i>															100	37	24	24
<i>Neurospora crassa</i>																100	26	26
<i>Arabidopsis thaliana</i>																	100	63
<i>Oryza sativa</i>																		100

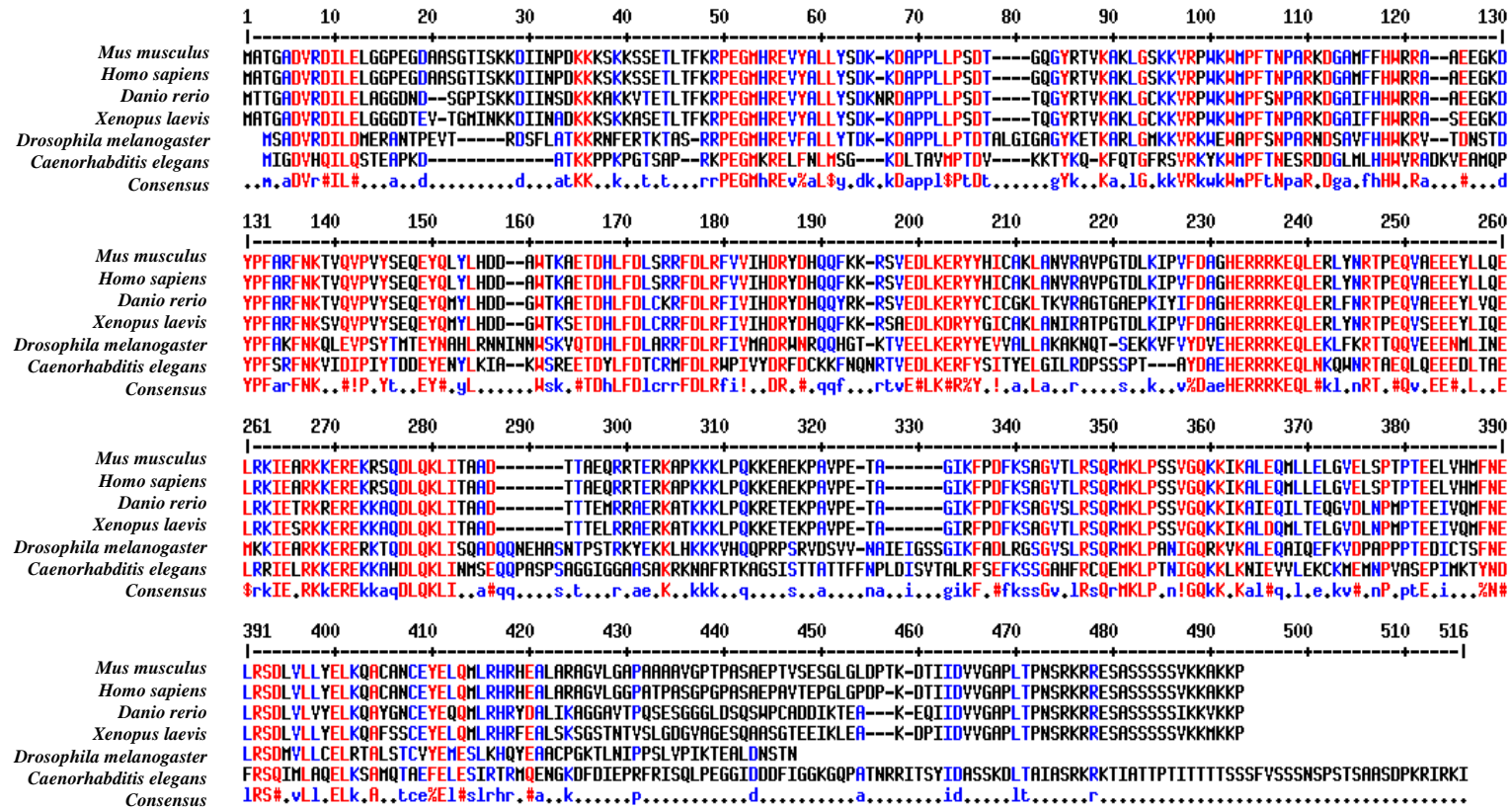
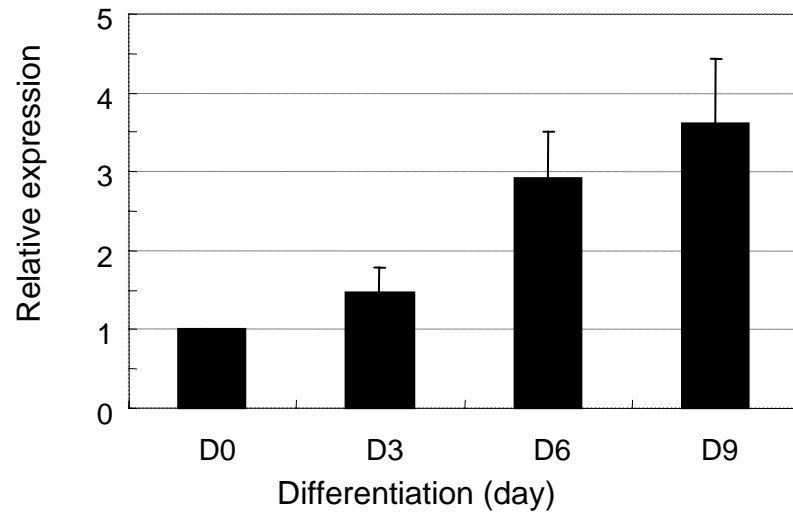
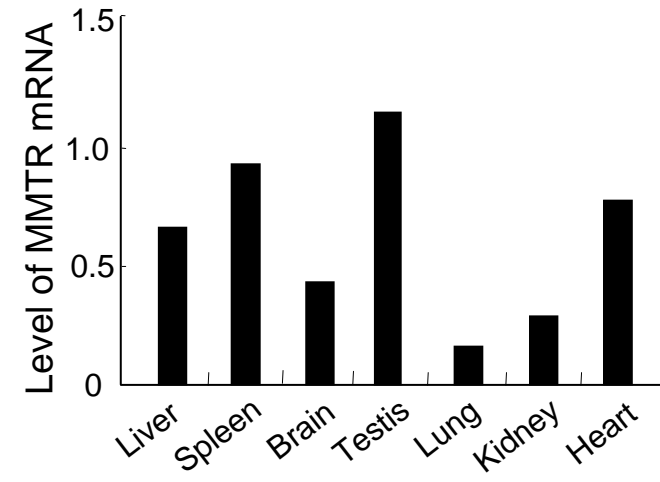
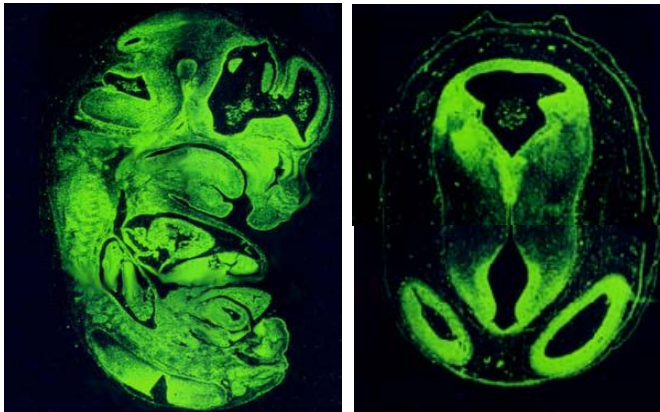
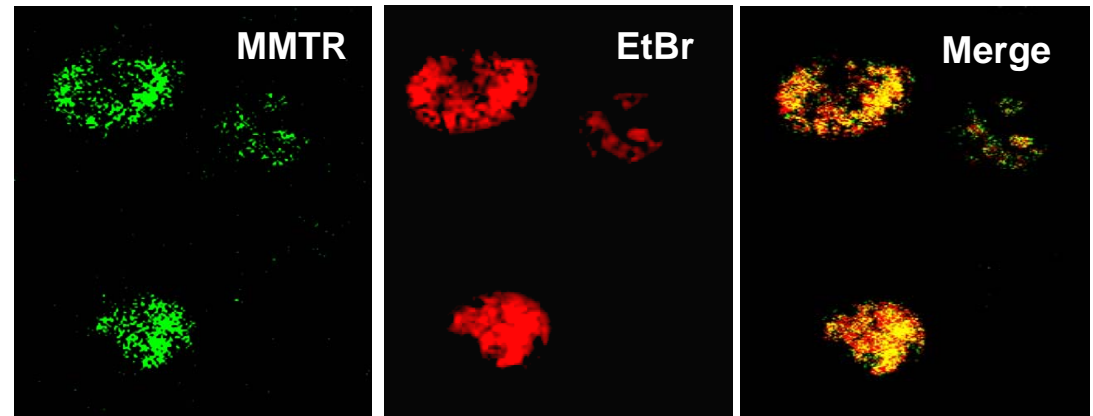
**C**

Figure S2

**A****B****C****D**

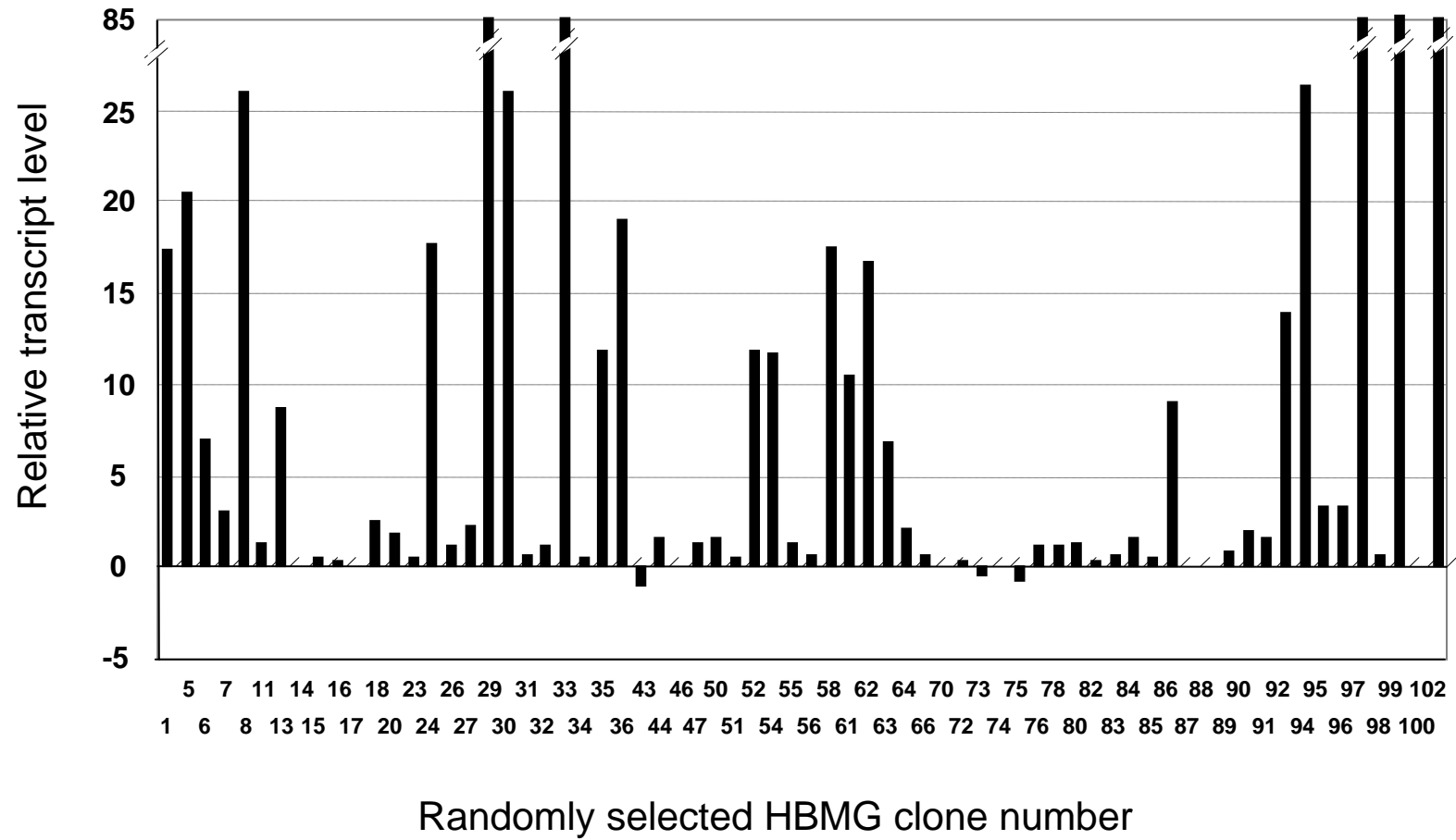


Figure S4