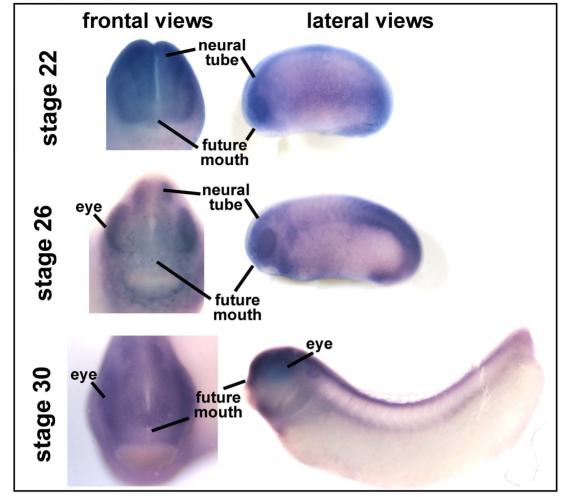
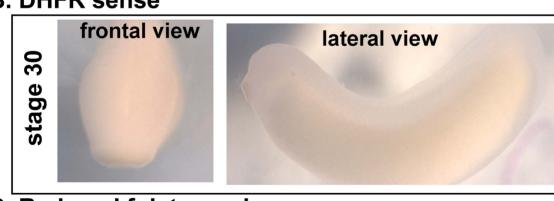
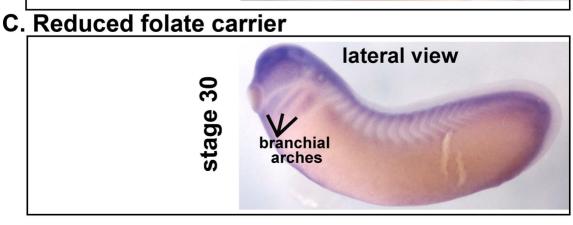
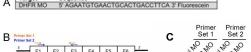
## A. DHFR antisense



# **B. DHFR sense**





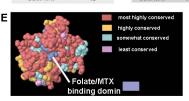


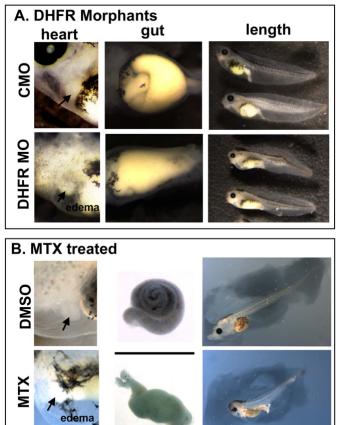
D DHFR protein sequence comparisons

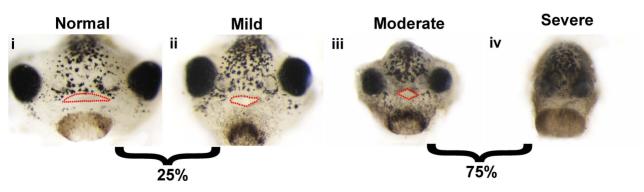
DHFR MO

Sequence

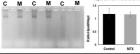
Species	% Identity		% Identity	
Mus Musculus	90	Species	Folate Binding	NADP+ Binding
Rattus Norvegicus	90	Mus Musculus	83	90
Gallus Gallus	75	Rattus Norvegicus	83	90
Xenopus Laevis	65	Gallus Gallus	67	80
Aenopus Luevis		Xenopus Laevis	50	50
Xenopus Tropicalis	65	Xenopus Tropicalis	50	50
Danio rerio	62	Danio Rerio	50	50







# Global DNA Methylation Uncut Hpall cut Mspl cut Quantification C M C M C M



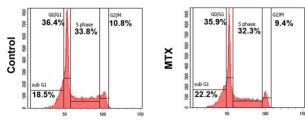
## A stage 31/32

Sample	sub G1	G1/G0	S	G2/M
Control 1	6.4	51.4	29.1	12.3
Control 2	6.4	51.4	29.4	12.2
Control 3	18.5	36.4	33.8	10.8
Control 4	17.7	34.8	34.6	12.3
MTX 1	8.9	49.7	28.7	12.2
MTX 2	9.6	48.7	28.7	12.1
MTX 3	23	32.1	35.3	9.3
MTX 4	22.2	35.9	32.3	9.4
4 05	•			

### stage 35

Sample	sub G1	G1/G0	S	G2/M
Control 1	13.9	39.3	24.2	10.1
Control 2	18.2	43	22.6	9.8
Control 3	13	47	27.2	10.9
Control 4	10.8	49.6	25.6	12.5
MTX 1	24.4	36.8	26	6.6
MTX 2	25.9	30	33.9	5.3
MTX 3	25.1	42.2	22.9	8.6
MTX 4	18	46.9	25.7	8.1

## B Representative Cell Cycle Profiles st.31/32



#### C PCNA Western blot

