

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Animated structural superposition of AHCY from the 9 organisms investigated here, using human (1LI4), mouse (5AXA) or lupin (3OND) crystal structures as templates. The blue loop is specific to plants and green algae; DZnep is shown in yellow, NAD⁺ in grey.

File Name: Supplementary Movie 2

Description: Time-lapse luminescence recordings of one representative embryo for each treatment.

File Name: Supplementary Movie 3

Description: Time-lapse luminescence recordings of one representative embryo for each treatment, with luminescence shown as a pseudo-color green and merged with brightfield micrographs. The red arrows indicate the appearance of new somites.

File Name: Supplementary Data 1

Description: Raw luminescence data and other quantifications related to all main figures.