

Supplementary Material

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Table S1. Summary of statistical analyses.

Experiment	Measurement	N	Value for dark	Value for light	Test	Value of statistic	P
Arch activity	V _{mem}	12	22±8	40±7	t-test	t=3.541	0.002
Arch+YCHE	Craniofacial abnormalities	149	6309	4866	MWU	Z=3.423	<0.001
Arch+stage 47 amputation	Regenerative ability	16	45±24	111±58	t-test	t=3.709	0.002
Arch+stage 47 amputation	Number of H3P-positive cells	22	4±3	12±4	t-test	t=5.237	<0.001
No Arch controls							
No treatment	V _{mem}	6	29±2	29±2	t-test	t=0.346	0.426
YCHE78	Craniofacial abnormalities	105	2665	2901	MWU	Z=-0.67	>0.5
Stage 47 amputation	Regenerative ability	14	69±44	49±30	t-test	t=1.464	0.167