Supplementary Table S1

Husbandry conditions

- Adult system water conditions per facility

Facility	Adult System Water											
	pH	Temperature (°C)	Conductivity (mS/cm)	Ammonia (ppm NH_3)	Nitrite (ppm NO_2^-)	Nitrate (ppm NO_3^-)	Hardness (°GH)	Alkalinity (°KH)	Light cycle (light/night)	Reverse Osmosis	Recirculation	Carbon filter on recirculation
EPFL	7.5-7.8	26.0	0.411-0.425	0	/	2.0-4.7	5-6	/	14h/10h	Yes	Yes	No
FCI	7.5-8.0	27.7-28.0	0.420-0.450	0	0	27-29	3	2-3	14h/10h	Yes	Yes	Yes
IP	7.1	27.7-28.4	0.520-0.532	< 0.05	0.1	20	1	2	14h/10h	Yes	Yes	Yes
KU	7.3	28.0-28.4	0.800-0.812	< 0.05	0.02	20	7	4	14h/10h	Yes	Yes	Yes
IIM	7.0	28.0	0.700	0	0	/	1	/	12h/12h	No	Yes	No
UAB	7.3	27.0	0.850	< 0.05	0.5	< 50	4	4	14h/10h	Yes	Yes	Yes

/; data are not available

- Adult feeds per facility

Facility	Adult Feeds	
	List dry feed used for all stages	**List live feed used for all stages**
EPFL	Sparos	Paramecia / Artemia
FCI	ZM, SAFE caviar	Paramecia / Artemia
IP	Gemma Micro	Rotifers
KU	ZM, SDS, and Sparos	Artemia
IIM	Nutrafin max	Artemia
UAB	Sparos	Artemia

- Spawning and incubation conditions

Most used strains were Wild Type (WT) AB. These were second generation progeny from the Zebrafish International Resource Center (ZIRC, Eugene, OR, USA) or later generations.

Faculty	Mating				Incubator conditions		
	Spawning set-up	Time mated	Spawning time	Strain	Incubator's temperature (°C)	Embryo media	Light cycle during incubation (light/night)
EPFL	Multiple pairs	Yes	09:30	WT AB	28.5	System water	No
FCI	Mass spawning	No	08:00-09:00	WT AB	28.0	0.5 X E2	No
IP	Multiple pairs	Yes	09:00	WT AB	28.0	E3	Yes, 14h/10h
KU	Multiple pairs	No	08:30	WT AB	28.5	E3	No
IIM	Mass spawning	Yes	09:00	WT	28.0	System water	Yes, 12h/12h
UAB	Multiple pairs	Yes	08:00	WT AB	28.0	In-house mix	Yes, 12h/12h

Recipes for embryo media:

FCI: 7.5 mM NaCl; 0.25 mM KCl; 0.5 mM $CaCl_2$; 0.5 mM $MgSO_4$; 75 µM KH_2PO_4; 25 µM Na_2HPO_4; 0.35 mM $NaHCO_3$; 0.5 mg/L Methylene Blue.

IP: 4.5 mM NaCl; 0.17 mM KCl; 0.4 mM $CaCl_2$.

KU: 5 mM NaCl; 0.17 mM KCl; 0.33 mM $CaCl_2$; 0.33 mM $MgSO_4$.

UAB: Distilled water; NaCl; $NaHCO_3$; pH 7.3; conductivity 0.8 +/- 0.1 mS/cm.