

## ERRATUM / ERRATUM

## Erratum: Comparison of size-at-age of larval Atlantic cod (*Gadus morhua*) from different populations based on size- and temperature-dependent growth models

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Several lines of data were missing from Table 1, namely those for Mesocosm studies E8–E12. This information is now correctly shown in Table 1 on pages 584–585.

Additionally, eq. 2 was incorrectly written as  $SGR = 100 - (e^g - 1)$ . The correct eq. 2 is  $SGR = 100(e^g - 1)$ .

Equations 5 and 6 were also incorrectly included as

$$(5) \quad \ln DW = -9.38 + 4.55 \ln SL - 0.2046(\log SL)^2$$

$$(6) \quad \ln SL = 2.296 + 0.277 \ln DW - 0.005128(\log DW)^2$$

The correct eqs. 5 and 6 should have the final log terms replaced with ln:

$$(5) \quad \ln DW = -9.38 + 4.55 \ln SL - 0.2046(\ln SL)^2$$

$$(6) \quad \ln SL = 2.296 + 0.277 \ln DW - 0.005128(\ln DW)^2$$

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Table 1. Sources of growth- and size-at-age data of larval and juvenile cod (*Gadus morhua*) used in the study.

Reference	Study code	Area or place of study	Temperature (°C)	Initial DW used (µg)	Duration (days)	Fixation and measures	Comments (temperature data from paper unless specified otherwise)
<b>Laboratory studies</b>							
Laurence 1978	L1	Rhode Island, USA	4, 7, 10	36–43 on day 0	35–49	Not specified	First pioneering laboratory growth study on larval cod
Laurence et al. 1981	L2	Rhode Island, USA	7	44 on day 0	42	Fixed in formalin	Low survival in highest prey density group (sampled to extinction)
Buckley et al. 1993	L3	Rhode Island, USA	7 <sup>a</sup>	35 on day 0	42	Fresh for SL, frozen for DW	31%–44% survival in high prey density group
Otterlei et al. 1999	L4	Bergen, Norway	6, 10 (4, 8, 12, 14 not shown here)	30 on day 0	56	Fresh for SL, frozen for DW	5%–45% survival, basis for growth models, otoliths removed before DW measurements, only NC cod data shown here
Folkvord et al. 1999	L5	Bergen, Norway	8	38 on day 0	56	Fresh for SL, frozen for DW	47%–65% survival of NA cod, six replicates, used SL–DW relationship from this study
Baskerville-Bridges and Kling 2000	L6	Maine, USA	10–11, experiment I	30 on day 0	44	Fresh for SL, frozen for DW	Fed rotifers and <i>Artemia</i> (from day 22 or 16), 29%–36% survival (experiments I and II in paper)
Puvanendran and Brown 2002	L7	Newfoundland, Canada	7–8, experiment II 8	48 on day 0	36 42	Fresh for SL and DW	High light intensity and 24:0 light cycle gave best growth, 30%–40% survival
<b>Mesocosm studies</b>							
Ellertsen et al. 1981	E1	Flødevigen, Norway	4.5–9.9	50 on day 11	52	4% buffered formaldehyde	First group 1976, first mesocosm study of NC larval cod growth in a century, 10% survival
Pedersen et al. 1989	E2	Tromsø, Norway	2.0–11.5 (max. temperature)	34 on day 4	50	4% buffered formaldehyde	Low initial temperatures in 1987, 7% survival, several releases <sup>b</sup>
Olsen et al. 1991	E3	Tromsø, Norway	6.1–14.7 (mean temperature)	75 on day 11	70	4% buffered formaldehyde	Rapid growth in 1989, larval DW estimated from SL <sup>b</sup>
Blom et al. 1991	E4	Øygarden, Norway	3.7–11.9 (mean temperature)	61 on day 6	80	4% buffered formaldehyde	1988 NC cod data, last samples taken with dip net, 23% survival to metamorphosis
Blom et al. 1994	E5	Øygarden, Norway	5.8–9.8	32 on day 2	45	4% buffered formaldehyde	Average of two strains of NC cod in 1991, 23% survival <sup>c</sup>
Folkvord et al. 1994	E6	Austevoll, Norway	6.8–11.2 (max. temperature)	33 and 34 on day 4 and day 5	40, 29	4% buffered formaldehyde	1985 cohorts 1 and 2 with NC cod, 40% and 15% survival
van der Meer et al. 1994	E7	Austevoll, Norway	4.4–12.2, 7.4–12.3	44 and 42, 42 and 40 on day 2	48, 36	Fresh for WW and DW	1993 data (experiments I and II) on NC and NA cod, 28%–83% survival
Suthers et al. 1999	E8	Austevoll, Norway	7.6–16.0	39 and 56 on day 0	37	Fresh for WW and DW	NC and NA cod, bags 2–4, 30%–50% survival, release 1 week later than study E9
van der Meer et al. 2001	E9	Austevoll, Norway	7.4–13.4	46 and 62 on day 2	36	Frozen	NC and NA cod, natural light groups from 1994, 29%–83% survival
Finn et al. 2002	E10	Austevoll, Norway	7.9–17.3 (max. temperature)	50 on day 4	52	Fresh for SL, frozen for DW	Series 1 from 1993, NC cod, survival > 30% to 30 days posthatching
Clemmesen et al. 2003	E11	Flødevigen, Norway	4.2–12.7, 5.0–14.5	45 on day 1	46 and 49	Frozen	Larvae of repeat and recruit NA spawners in each of two mesocosms, 10% survival

Table 1 (concluded).

Reference	Study code	Area or place of study	Temperature (°C)	Initial DW used (µg)	Duration (days)	Fixation and measures	Comments (temperature data from paper unless specified otherwise)
van der Meer and Moksness 2003	E12	Austevoll, Norway	8.8–11.8	41 on day 3	31	Fresh for SL, frozen for DW	Data from bag 1, NC cod, 48% survival
<b>Field studies</b>							
Bolz and Lough 1988	F1	Georges Bank, Northwest Atlantic	4.6–10.2	45 on day 0	90	Corrected for shrinkage	Temperature data from Campana and Hurley (1989), sampling with 61-cm Bongo net and 1- to 10-m MOCNESS and an otter trawl for larger cod
Campana and Hurley 1989	F2	Browns and Georges banks, Northwest Atlantic	5.3–8.4, 5.1–9.9	45 on day 0	120 (90 used)	Not corrected for shrinkage	First age- and temperature-dependent growth model for field larvae, 3 mm TL at day 0, sampling with 61-cm Bongo net
Meehan and Fortier 1996	F3	Scotian Shelf, Northwest Atlantic	7.6–2.3, 8.0–3.1	45 on day 0	80	Fresh for SL	Temperature data from Department of Fisheries and Oceans, S1 and S2 cohorts, sampling with 2-m <sup>2</sup> trawls
Suthers and Sundby 1996	F4	Browns Bank and northern Norway, Northeast Atlantic	2.5–6.0, 5.9–8.7	45 on day 0	90, 80	Not corrected for shrinkage	Data from both sides of the Atlantic, temperature data for Browns Bank from Department of Fisheries and Oceans and for Northeast Atlantic from Sundby (2000), sampling with 5- and 10-m <sup>2</sup> midwater trawls, respectively
Begg and Marteinsdottir 2000	F5	Northwest Iceland, North Atlantic	7.5–10.6, 3.0–8.2	45 on day 0	93, 84	Modeled fresh TL	Data from 1988, northern and southern area, used 57.5 and 45 mm as reported final TL, sampling with a 324-m <sup>2</sup> pelagic trawl
Anderson and Dalley 2000	F6	Grand Banks, Northwest Atlantic	3.7–7.8, 5.5–8.8	45 on day 0	65, 68	Fresh for TL	Data from cold year (1997) and warm year (1996), authors used 3.5 mm TL on day 0, sampling with 61-cm Bongo net and 73-m <sup>2</sup> YGPT trawl

**Note:** L, E, and F denote laboratory, enclosure, and field studies, respectively. NA, northeast Arctic cod; NC, Norwegian coastal cod. Initial weights have been corrected for presence of yolk. SL, standard length; DW, dry weight; WW, wet weight; TL, total length.

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