Supplementary materials – ***Fishes in Warming Waters, the Gill-Oxygen Limitation Theory***

and the Debate around Mechanistic Growth Models

Table S1: Definitions of metabolic rates and indicated fasting periods in Lefevre (2016)

Parameter	**Fasting period prior to respirometry**	**Reference**
SMR	36h	Brett (1964)
SMR	24h	Bruneaux (2014)
RMR	48h	Chen et al. (2015)
SMR	24h	Claireaux et al. (2006)
SMR	24h	Claireaux et al. (2000)
Minimum O_2 consumption rate	Not stated	Clark et al. (2011)
O_2 consumption rate	2 days	Clark et al. (2015)
SMR	2 days	Dickson and Kramer (1971)
RMR	12-24h	Donelson (2015)

RMR	Not stated	Donelson and Munday (2012)
SMR/Standard O_2 consumption	48h	Duthie (1982)
SMR	No statement about fasting, but maintenance ration prior to respirometry (undefined period)	Dwyer and Kramer (1975)
Not stated	Not stated	Eliason et al. (2011)
SMR	10h	Ferreira et al. (2014)
SMR	Not stated	Fry (1947)
Resting O_2 consumption	24h	Gardiner et al. (2010)
SMR	40h	Gräns et al (2014)
Routine O_2 consumption	Not stated	Healy and Schulte (2012)
SMR	24h	Khan et al. (2014a)
SMR	48h	Khan et al. (2014b)
Routine O_2 consumption	Not stated	Lee et al. (2003)
Resting O_2 uptake	Not stated	Lefevre et al. (2015)

SMR	24h	Lefrancois and Claireaux (2003)
SMR	4d	Mallekh and Lagardere (2002)
RMR	3 weeks, because SDA in Antarctic fish can last 5-15 days post-feeding	Lowe and Davison (2006)
SMR	24h	Marras et al. (2015)
RMR	24h	Nilsson et al. (2009)
SMR	44-48h	Norin et al. (2014)
Routine metabolic rate	Not stated	Nowell et al. (2015)
SMR	3 days	Pang et al. (2010)
RMR	2 days	Pang et al. (2013)
Inactive metabolic rate	Not stated	Rosa and Seibel (2008)
Resting O_2 consumption rate	Not stated	Rummer et al. (2014)
RMR	Not stated	Seth et al. (2013)

SMR	Not stated, but maintenance ratios for 5-10 days	Tirsgaard et al. (2015)
SMR	48h	Tu et al. (2012)
No exact definition	96h	Vagner et al. (2015)
*data on invertebrates were excluded		

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