**Functional trait references – key for Dataset 3**

A: Dauvin and Bellan-Santini, (1990).

B: MarLIN BIOTIC trait database, (2006).

C: Thiel, (1998).

D: Aoki and Kikuchi, (1991).

E: Aoki, (1997).

F: Guerra-Garcia et al. (2014).

G: Scipione, (2013).

H: Mattson and Cedhagen, (1989).

I: Thiel, (1999).

J: Harrison, (1940).

K: Laval, (1980).

L: Svavarsson and Davidsdottir, (1995).

M: Legezynska et al. (2012).

N: Dixon and Moore, (1997).

O: Lewis, (1992).

P: Sainte-Marie, (1986).

Q: Oliver et al. (1982).

R: Oakden, (1984).

S: Dauby et al. (2001).

T: Borowsky, (1983).

U: Shillaker and Moore, (1987).

V: Nyssen et al. (2002).

W: Krishnan and John, (1974).

X: Dunbar, (1957).

Y: Bruce, (1986).

Z: Kaim-Malka, (1997).

A1: Soto and Mincarone, (2001).

B1: Svavarsson et al. (1993).

C1: Hessler and Stromberg, (1989).

D1: Poore and Bruce, (2012).

F1: Smit and Davies, (2004).

G1: Menzies, (1962).

H1: Sheader et al. (2000).

I1: Lorz, (2010).

J1: Dahl, (1964).

K1: Ansell, (1969).

L1: Kilgallen, (2010).

M1: Costello and Myers, (1987)

N1: Johansen and Vader, (2015).

O1: Cunha and Wilson, (2003).

P1: Harrison, (1987).

Q1: Wilson, (1976).

R1: George, (2004).

S1: Wurzberg et al. (2011).

T1: Blankenship and Levin, (2007).

U1: Blazewicz-Paszkowycz and Ligowski, (2004).

V1: Cartes et al. (2001).

W1: Sainte-Marie, (1992).

X1: De Broyer et al. (2004).

Y1: Dixon, (1944).

Z1: Bird and Holdich, (1985).

A2: Foxon, (1936).

B2: Hassack and Holdich, (1987).

C2: Gardiner, (1975).

D2: Johnson et al. (2001).

E2: Greve, (1967).

F2: Holdich and Jones, (1983).

G2: Reidenauer and Thistle, (1985).

H2: Thistle et al. (1985).

I2: Holdich and Bird, (1986).

J2: Buhl-Mortensen et al. (2016).

K2: Coleman, (1989).

L2: Barnard and Karaman, (1991a, 1991b).

M2: Coleman, (1998).

N2: Jones, (1948).

O2: Poulin and Hamilton, (1995).

P2: Lincoln, (1979).

Q2: Schultz, (1969).

R2: Frutos et al. (2011).

S2: Larsen, (2007).

T2: Larsen, (2011).

U2: Bird, (2007).

V2: McLelland, (2008).

W2: Guerrero Kommritz, (2004).

X2: Blazewicz-Paszkowycz, (2005).

Y2: Gutu, (1980).

Z2: Muradian-Ciamician, (1980).

A3: Ariyama, (1996).

B3: Kim and Lee, (2010).

C3: Bird and Holdich, (1988).

D3: Stoddart and Lowry, (2012).

E3: Bousfield and Hendrycks, (1997).

F3: White, (2011).

G3: Tandberg et al. (2012).

H3: D’Udekem D’Acoz, (2006).

I3: Bousfield and Hendrycks, (1995).

J3: Just, (2013).

K3: Enequist, (1949).

L3: Sainte-Marie, (1991).

M3: Bousfield, (1982).

N3: Riehl et al. (2016).

O3: Aumack et al. (2016).

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