**Supplementary Table S4.** Heritability estimates (standard error in parenthesis) for the detailed fertility traits† in dairy cows.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MO | Cysts | CLA | RFM | Puerperal | Met | Silent | Parity‡ | Population | Reference |
|  |  | 0.13 (0.06) |  |  |  |  | 1 | Multiple | Berry et al., (2012) |
|  |  | 0.21 |  |  |  |  |  | UK | Darwash et al. (1997) |
| 0.028 (0.003) |  |  |  |  |  |  | M | Ireland | Fitzgerald et al. (2013) |
|  | 0.06 (0.01) |  | 0.04 (0.02) | 0.03 (0.01) | 0.05 (0.02) | 0.04 (0.01) | M | Germany | Gernand et al. (2012) |
|  | 0.07 (0.01) |  | 0.06 (0.01) |  | 0.03 (0.01) | 0.06 (0.01) | 1 | Norway | Heringstad (2010) |
|  | 0.102 0.033) |  |  |  |  |  | 1 to 3 | The Netherlands | Hooijer et al. (2001) |
|  | 0.03 |  |  |  |  |  | 1 to 3 | The Netherlands | Hooijer et al. (2001) |
|  | 0.04 (0.009) |  | 0.007 (0.004) | 0.019 (0.005) | 0.009 (0.004) | 0.006 (0.004) | M | Austria | Koeck et al. (2010) |
|  | 0.077 (0.027) |  | 0.06 (0.37) | 0.143 (0.054) | 0.062 (0.036) | 0.012 (0.015) | M | Austria | Koeck et al. (2010) |
|  | 0.03 (0.005) |  | 0.03 (0.005) |  | 0.02 (0.004) |  | 1 | Canada | Koeck et al. (2012) |
|  | 0.119 (0.077) |  | 0.05 (0.07) |  | 0.19 (0.077) |  | 1 | US | Lin et al. (1989) |
|  | 0.076 (0.084) |  | 0.091 (0.077) |  | 0.262 (0.089 |  | 2 | US | Lin et al. (1989) |
|  |  |  |  |  | 0.006 (0.004) |  | 1 | Finland | Poso and Mantysaari (1996) |
|  |  |  |  |  | 0.007 (0.004) |  | 2 | Finland | Poso and Mantysaari (1996) |
|  |  | 0.16 (0.05) |  |  |  |  | M | UK | Royal et al. (2002) |
|  | 0.02 |  | 0.01 |  | 0.02 |  | 1 | The Netherlands | van Dorp et al. (1998) |
|  |  | 0.16 (0.10) |  |  |  |  | 1 | The Netherlands | Veerkamp et al. (2000) |
|  | 0.08 (0.005) |  |  |  | 0.08 (0.004) |  | 1 | US | Zwald et al. (2004) |
|  | 0.05 (0.005) |  |  |  | 0.07 (0.004) |  | M | US | Zwald et al. (2004) |

†MO = multiple ovulations; Cysts = cystic ovaries; CLA = interval post-calving to commencement of luteal activity; RFM = retained foetal membranes; Puerperal = Puerperal disease; Met= metritis; Silent = silent heat;

 ‡M= multiple parities

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