**Supplementary Table S2.** Heritability estimates (standard error in parenthesis) for the different fertility traits† in different breeds of dairy cows.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AFC | CFS | NS | PFS | CIV | CCI/DO | FtL Insem | NR | NR heifers | Parity‡ | Breed | Population | Reference |
|  | 0.044 |  |  |  | 0.039 | 0.026 | 0.012 |  | 1 | Ayrshire | Canada | Bastin et al. (2010) |
|  |  |  |  | 0.05 (0.115) |  |  |  |  | 1 | Brown Swiss | Italy | Dal Zotto et al. (2007) |
|  | 0.024 (0.008) |  |  | 0.026 (0.004) |  |  |  |  | 1 | Jersey | Australia | Haile-Mariam et al. (2013) |
|  |  |  |  |  |  |  |  | 0.011 (0.006) | 0 | Simmental | Switzerland | Hodel et al. (1995) |
|  |  |  |  |  |  | 0.038 (0.012) |  | 0.021 (0.008) | Multiple | Simmental | Switzerland | Hodel et al. (1995) |
|  | 0.03 (0.002) |  |  |  |  |  | 0.02 (0.002) | 0.02 (0.001) | 1 | Norwegian red | Norway | Holtsmark et al. (2008) |
|  | 0.025 (0.004) |  |  |  |  |  |  |  | Multiple | Simmental | Canada | Jamrozik et al (2012) |
|  | 0.04 (0.008) | 0.01 (0.008) |  |  | 0.03 (0.008) |  | 0.02 (0.008) |  | 1 | Nordic Red | Finland | Negussie et al. (2013) |
| 0.093 (0.037) |  |  |  |  |  |  |  |  | 1 | Simmental | Serbia | Pantelić et al., (2008) |
|  | 0.049 (0.008) | 0.058 (0.008) | 0.055 (0.008) |  | 0.06 (0.009) | 0.03 (0.006) | 0.037 (0.006) |  | Multiple | Brown Swiss | Italy | Tiezzi et al. (2011) |

†AFC = age at first calving; CFS = interval from calving to first service; NS = number of services; PFS = pregnant to first service; CIV = calving interval; CCI/DO = calving to conception interval/days open; FtL Insem = interval from first to last service; NR = non-return; NR = non-return in heifers;

‡M= multiple parities

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