Table S1 Variance component and heritability estimates using different information

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| --- | --- | --- | --- | --- | --- |
| **Methods** | **Components** | **ADFI** | **FAT** | **ADG** | **LMD** |
| Pedigree\_BLUP | GenVar | 0.03 | 3.81 | 0.003 | 9.72 |
|  | PheVar | 0.14 | 7.31 | 0.008 | 23.30 |
|  | *h2* | **0.21** | **0.52** | **0.34** | **0.42** |
| 80K\_GBLUP/BayesB1 | GenVar | 0.03 | 3.42 | 0.002 | 7.98 |
|  | PheVar | 0.13 | 7.24 | 0.008 | 22.93 |
|  | *h2* | **0.19** | **0.47** | **0.19** | **0.35** |
| 650K\_GBLUP/BayesB1 | GenVar | 0.02 | 3.53 | 0.001 | 7.93 |
|  | PheVar | 0.13 | 7.31 | 0.008 | 22.92 |
|  | *h2* | **0.18** | **0.48** | **0.18** | **0.35** |
| SEQ\_GBLUP/BayesB1 | GenVar | 0.04 | 5.75 | 0.002 | 12.96 |
|  | PheVar | 0.15 | 9.65 | 0.009 | 28.16 |
|  | *h2* | **0.27** | **0.60** | **0.25** | **0.46** |
| SEQ\_BayesRC | GenVar | 0.07 | 4.36 | 0.003 | 12.24 |
|  | PheVar | 0.14 | 6.70 | 0.007 | 22.16 |
|  | *h2* | **0.53** | **0.65** | **0.43** | **0.55** |
| Average *h2* of using genomic data | | **0.29 ± 0.14** | **0.55 ± 0.08** | **0.26 ± 0.10** | **0.43 ± 0.08** |

1Average values for those from BayesB and GBLUP, as they were similar.

ADFI: average daily feed intake; FAT: ultrasound backfat depth; ADG: average daily gain; LMD: ultrasound loin muscle depth. GenVar: genetic variance; PheVar: total phenotypic variance; *h2*: heritability estimate