Table S1. Scores for each scientific criteria of the articles selected.

Reference	A	B	C	D	E	F	G	H	I	J	K	L	Total
Sulabo et al. [12]	2	2	1	2	2	1	2	2	2	2	2	2	23
Cabrera et al., [6]	2	1	1	2	2	1	1	2	2	2	2	2	21
Bruininx et al. [10]	1	2	1	1	1	1	2	1	1	2	1	2	17
Park et al. [38]	2	2	1	2	1	1	1	1	2	2	1	2	19
Tran et al. [39]	2	2	1	2	2	1	2	2	2	2	1	2	21
Martins et al. [43]	2	2	1	2	1	1	1	2	2	2	2	2	20
Muns et al. [7]	1	2	1	2	1	2	2	1	1	2	1	2	19
Lemieux et al. [35]	2	2	1	2	2	2	1	1	1	2	1	1	18
Lawlor et al. [34]	1	2	1	1	1	1	2	1	1	2	2	1	15
Lee and Kim [11]	2	2	1	2	2	1	1	1	2	2	1	1	18
De Greef et al., [40]	1	2	1	2	2	1	1	1	2	2	1	1	17
Balamuralikrishnan et al. [41]	2	2	1	2	2	1	1	1	2	2	2	1	19
Yan et al. [20]	2	2	1	2	2	1	1	1	2	2	2	1	19
Oliveira et al. [21]	2	2	2	2	2	2	1	2	2	2	1	1	22
Yan et al. [37]	2	2	1	2	2	1	1	1	2	2	2	1	19
Shea et al. [32]	1	1	1	2	1	1	2	1	2	2	1	2	17
Bandara et al. [33]	1	1	1	2	1	1	1	1	2	2	1	2	16
Middelkoop et al. [42]	1	2	1	2	2	2	2	1	2	2	2	2	21
Van der Meulen et al. [36]	1	2	1	2	2	1	1	1	1	2	2	2	18
Sands et al. [44]	2	2	1	2	1	2	1	1	1	2	2	2	19

A. Randomization: randomized studies scored 2, whilst a non-randomized studies, or when this was not clear stated, scored 1; **B**. Breed or genetic line: studies that mentioned breed or genetic line received a score of 2, and when it was not clearly stated, scored 1; **C**. Environmental characterization: studies that provided information regarding to temperature and humidity in the farrowing room scored 2, and those that did not described it scored 1; **D**. Litter size: studies that described the mean litter size in each experimental group scored 2, and those that did not mention it scored 1; **E**. Composition of the creep diet: studies that detailed the ingredients and the nutritional composition of the creep diet score 2, and those that did not provide this information scored 1; **F**. Creep feeder placement: studies that described where the feeder was

located in the farrowing crate scored 2, and those that did not provide this information scored 1; **G**. Type of creep feeder: studies that described the type of creep feeder scored 2, and those that did not describe it scored 1; **H**. Sample size: studies using more than 30 sows per treatment scored 2 and those using less than 30 sows per treatment scored 1; **I**. Parity: studies that specified parity scored 2, while those that did not clearly mention it scored 1; **J**. Piglet body weight at the start of the experiment: studies that stated the piglet body weight at the start of the experiment scored 2, and those that did not scored 1; **K**. Post weaning performance: studies that evaluated piglet post weaning performance scored 2, and those that did not scored 1; **L**. Physical form of the creep feed: trials that described the physical form of the creep feed scored 2; and trials that did not describe it scored 1;