

Table S2. Contribution of each variable to the construction of the first two dimensions in each FAMD analysis in terms of Square Cosine

Component - Type of variable	Dimension 1 (cos ²)	Dimension 2 (cos ²)
<i>General Farm Information - Categorical variables</i>		
Barn	0,2	0,6
Pen	0,24	0,5
Chute	0,02	0,72
Storehouse	0,01	0,81
Electric fence	0,45	0,16
Electric pump	0,1	0,75
Electronic scale	0,39	0,25
Tractor	0,82	0,03
Chainsaw	0,29	0,45
Manual lawn mower	0,23	0,45
Motor pump	0,09	0,75
Agroforestry crops	0	0,21
Perennial crops	0,24	0,29
Transitory crops	0,12	0,3
Forest monoculture	0	0,04
Pasture area with more than 25 trees per ha	0,01	0,14
Improved pastures	0	0,09
Silvopastoral systems	0,06	0,13
Big animal species	0,5	0,03
Medium animal species	0,16	0
Small animal species	0,24	0,17
<i>General Farm Information - Numerical variables</i>		
Total area, ha	0,64	0,02
Flat area, ha	0,12	0,29
Undulated area, ha	0,07	0,13
Hilly area, ha	0,03	0,12
Agroforestry crops area, ha	0,67	0,11
Perennial crops area, ha	0,93	0,01
Transitory crops area, ha	0,88	0
Forest monoculture area, ha	0,98	0
Pasture area with more than 25 trees per ha, ha	0,81	0,02
Improved pastures area, ha	0,72	0,04
Silvopastoral systems area, ha	0,32	0,55
Livestock area, ha	0,64	0,02
Buffaloes	0,06	0,84
Horses	0,47	0,01
Mules	0,27	0,12
Pigs	0,16	0,6
Goats	0,91	0,04

Sheeps	0,37	0,18
Hens	0,01	0,21
Chickens	0,2	0,49
<i>Herd composition and management - Categorical variables</i>		
Record keeping	0	0,05
Mineral salt supplementation	0,06	0,24
Plaint salt supplementation	0,05	0,24
Supplementation	0,06	0,08
Concentrate feeds	0,11	0,25
<i>Herd composition and management - Numerical variables</i>		
Calves per cow (cow:calf ratio)	0,61	0,03
Milking cows, AU	0,06	0,02
Calved cows, AU	0,19	0,06
Dry cows, AU	0,2	0,04
Female calves (0–1 year old), AU	0,28	0,01
Male calves (0–1 year old), AU	0,26	0,15
Growing females, AU	0,05	0,02
Growing males, AU	0	0,3
Breeding heifers, AU	0,01	0,14
Fattening steers, AU	0,53	0,01
Bulls, AU	0,01	0,11
Supply rate of concentrate feeds, (kg yr ⁻¹)	0,03	0,21
Supply rate of supplements, (kg yr ⁻¹)	0	0,07
Supply rate of mineral salts, (kg yr ⁻¹)	0,37	0,27
<i>Pasture management - Categorical variables</i>		
Improved pastures	0,03	0,37
Rotational grazing	0,18	0,09
Division of paddocks - barbed wire	0,69	0,13
Division of paddocks - electric fence	0,18	0,32
Division of paddocks - mixed	0,69	0
Shifting paddocks area	0,69	0,13
Weeding method - manual	0,2	0,51
Weeding method - mechanical	0,01	0,58
Weeding method - chemical	0	0,03
Weeding method - mixed	0,34	0,05
Fertilization	0,79	0
Agricultural lime	0,12	0,15
Dolomite lime	0,3	0
Pasture renewal	0,63	0
<i>Pasture management - Numerical variables</i>		
Improved pastures area, ha	0,69	0,06
Fertilizer application rate, kg ha ⁻¹ yr ⁻¹	0,23	0,33
Fertilized area, ha	0,62	0,16
Amendment application rate, kg ha ⁻¹ yr ⁻¹	0,3	0,01

Production Information - Categorical variables

Animal weighing method - scale	0,45	0
Animal weighing method - weighing tape	0,02	0,72
Animal weighing method - none	0,37	0,43

Production Information - Numerical variables

Fattening final weight, kg	0,61	0,05
Weight gain at fattening, kg day ⁻¹	0,55	0,2
Mortality rate, %	0,88	0

Environmental Information - Categorical variables

Forest	0,65	0,17
Water source - surface water	0,25	0,45
Water source - underground water	0,22	0
Water source - piped water	0	0,68
Water springs	0,52	0,25
Water availability during summer for livestock	0,06	0
Wastewater treatment system	0,46	0,18
Solid waste management - incineration	0,46	0,34
Solid waste management - burial	0,01	0,07
Solid waste management - handled by a third party	0,57	0,16
