**Reliability of visible reflectance spectroscopy in discriminating between pasture and stall-fed lambs from thin and fat-tailed sheep breeds in dry and hot environment**

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**Table S1.** *Effect of breed on the mean values of AVMI450-510 of the three fats (perirenal, subcutaneous and caudal) from the three lamb’s breed and the ranges their variation.*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Breed | | | | | | | | | Statistics |
|  | BB | | | NT | | | QFO | | | *P-value* |
|  | min | max | mean | min | max | mean | min | max | mean |
| AVMI450-510-Pr fat | 190.8 | 438.5 | 245.1 | 180.9 | 301.0 | 236.2 | 156.6 | 352.5 | 228.8 | nsµ |
| AVMI450-510-Sc fat | 150.8 | 260.2 | 205.7 | 110.5 | 246.5 | 178.4 | 126.9 | 328.0 | 186.4 | ns |
| AVMI450-510-Cd fat | 194.6 | 360.7 | 235.7 | \_ | \_ | \_ | \_ | \_ | \_ | \_ |

 BB:Barbarine ; QFO: Queue Fine de l’Ouest ; NT: Noire de Thibar AVMI450-510: the absolute value of the mean integral between 450 et 510 nm; Pr : perirenal ; Sc: subcutaneous; Cd: caudal;  µ : *P-*value was determined after natural logarithmic transformation; ns: *P*>0.05