Table S1. Formulation of the two concentrates (% as fed)

	C	DSOP
Bran flour	30.00	15.00
Maize flour	24.00	22.00
Soya extract flour	20.00	27.00
Barley meal	10.00	10.00
Sunflower extract flour	5.00	-
Dried beet pulp	5.00	-
Dried Stoned Olive Pomace	-	20.00
Molasses	3.00	3.00
Vitamin-mineral supplementation	3.00	3.00

C=control; DSOP=dried stoned olive pomaces;

Table S2. Dry matter (g/kg as fed), chemical composition (g/kg DM) and net energy (Milk Forage Unit/kg DM) of the feedstuffs and of the two diets utilized (number of replication =7).

	Alfalfa hay	Maize silage	Experimental concentrate		Diet	
			C	DSOP	C	DSOP
DM	892.3	308.7	876.5	882.9	710.3	713.1
CP	164.0	74.6	192.0	190.2	149.5	148.7
CF	332.5	284.0	84.9	103.9	209.0	217.3
EE	16.3	33.4	34.0	51.1	29.2	36.8
Ash	88.5	61.3	73.9	88.7	73.9	80.4
NSC	214.1	194.8	384.5	325.5	283.3	257.3
NDF	517.1	635.9	315.6	344.5	464.1	476.8
ADF	406.5	340.3	104.6	138.8	253.8	268.9
ADL	73.2	57.1	49.7	84.2	58.1	73.3
NE	0.64	0.81	1.06	1.04	0.8	0.87

DM= dry matter; CP=crude protein; CF=crude fibre; EE=ether extract; NSC=non-structural carbohydrates; NDF=neutral-detergent fibre; ADF=acid-detergent fibre; ADL=acid-detergent lignin; NE=net energy

C=control; DSOP=dried stoned olive pomaces;

Table S3. Dry matter (g/kg as fed), chemical composition (g/kg DM), net energy (Milk Forage Unit/kg DM) and phenolic compounds (g/kg DM) of dried stoned olive pomace.

DM	945.4
CP	80.8
CF	325.6
EE	135.4
Ash	53.4
NSC	109.1
NDF	621.4
ADF	479.5
ADL	252.4
NE	0.56
3,4-DHPEA	2.4
p-HPEA	1.3
Verbascoside	10.8
3,4-DHPEA-EDA	8.5
p-HPEA-EDA	3.2
(+)-1-Acetoxypinoresinol	0.4
Sum of phenols	26.7

DM= dry matter; CP=crude protein; CF=crude fibre; EE=ether extract; NSC=non-structural carbohydrates; NDF=neutral-detergent fibre; ADF=acid-detergent fibre; ADL=acid-detergent lignin; NE=net energy
3,4-DHPEA = 3,4-Dihydroxyphenylethanol;
p-HPEA = p-Hydroxyphenylethanol;
3,4-DHPEA-EDA = 3,4-Dihydroxyphenylethanol-elenolic acid di-aldehyde;
p-HPEA-EDA = p-Hydroxyphenylethanol-elenolic acid di-aldehyde