

Supplementary Table S1. Body weight, daily dry matter intake of each feed, and proportion of nutritional requirements covered in horses of the two treatments (sainfoin, control) during the experimental period (day 0 to day 21)

Date	Horse name	Group	BW ¹	DMI ² of pellets (kg)	DMI of grassland hay (kg)	Total UFC ³ ingested	Total MADC ⁴ ingested (g)	% UFC requirement covered	% MADC requirement covered
28.09.2020	Icilyfairyboulette	Sainfoin	485.6	7.7155	3.3652	6.8	811	107.4	247.1
	Idomissyouboulette	Sainfoin	427.9	7.0042	3.0072	6.1	736	108.8	247.4
	Ienaboulette	Sainfoin	480.0	7.6243	3.2578	6.6	800	108.8	250.3
	Iivalaboulette	Sainfoin	490.2	6.4934	3.3294	5.9	689	94.7	211.3
	Imbalaboul	Sainfoin	446.7	7.4054	3.1862	6.5	778	109.0	249.5
	Imeethappyboulette	Sainfoin	428.6	7.0771	3.0430	6.2	743	109.0	247.9
	Ineboulette	Sainfoin	500.4	7.9891	3.4010	7.0	839	108.7	251.6
	Inechaiboul	Sainfoin	450.1	7.1866	3.0788	6.3	755	108.7	248.1
	Iritabella	Sainfoin	451.7	7.3690	3.1504	6.4	774	109.0	249.6
	Itropiboulette	Sainfoin	440.6	7.3325	3.1504	6.4	770	109.2	249.5
	Iegadelavegaboule	Alfalfa	454.9	6.5160	4.3318	6.1	777	103.5	251.5
	Ilander	Alfalfa	475.3	6.7320	4.4750	6.3	803	103.7	252.8
	Ilsouriboul	Alfalfa	494.9	7.0200	4.6536	6.5	837	103.3	253.5
	Ipflapboulette	Alfalfa	427.6	6.2640	4.1528	5.8	747	103.6	250.5
	Iplatboulette	Alfalfa	457.7	6.5874	4.4034	6.2	786	103.8	252.1
	Iquissyoubiboulette	Alfalfa	443.8	6.4440	4.2960	6.0	769	103.5	251.0
	Iscasheboul	Alfalfa	486.2	6.8760	4.5824	6.4	821	103.5	253.1
	Ispiritusantu	Alfalfa	459.6	6.5520	4.3676	6.1	782	103.8	252.2
	Itarkiboulette	Alfalfa	493.3	6.9480	4.6540	6.5	829	103.7	253.5
	Ivaliente	Alfalfa	433.9	5.4000	4.2602	5.4	654	93.1	215.4
05.10.2020	Icilyfairyboulette	Sainfoin	487.8	7.8948	3.3781	6.9	829	108.7	251.1
	Idomissyouboulette	Sainfoin	434.7	7.1971	3.1031	6.3	756	109.1	248.7
	Ienaboulette	Sainfoin	491.6	7.8581	3.3781	6.9	825	109.2	251.9
	Iivalaboulette	Sainfoin	486.8	7.9682	3.4174	6.9	837	109.0	251.9

	Imbalaboul	Sainfoin	453.3	7.4174	3.1817	6.5	779	108.8	249.2
	Imeethappyboulette	Sainfoin	428.7	7.1971	3.1031	6.3	756	109.0	248.5
	Ineboulette	Sainfoin	500.7	8.0784	3.4566	7.0	848	108.7	251.9
	Inechaiboul	Sainfoin	452.0	7.4909	3.2210	6.5	787	109.3	250.4
	Iritabella	Sainfoin	459.9	7.4909	3.2210	6.5	787	109.0	249.9
	Itropiboulette	Sainfoin	443.1	7.3440	3.1424	6.4	771	108.8	248.9
	Iegadelavegaboule	Alfalfa	461.7	6.7142	4.4779	6.3	801	104.0	253.3
	Ilander	Alfalfa	484.1	6.9028	4.5958	6.4	824	103.4	253.0
	Ilsouriboul	Alfalfa	502.6	7.1291	4.7529	6.7	851	103.7	254.5
	Ipflapboulette	Alfalfa	433.1	6.4124	4.2422	6.0	765	103.8	251.7
	Iplatboulette	Alfalfa	470.8	6.7142	4.4779	6.3	801	103.5	252.3
	Iquissyoubiboulette	Alfalfa	444.4	6.5633	4.3994	6.1	784	103.8	251.8
	Iscasheboul	Alfalfa	500.9	7.0536	4.6743	6.6	841	103.7	254.6
	Ispiritusantu	Alfalfa	474.5	6.7519	4.5172	6.3	806	103.9	253.1
	Itarkiboulette	Alfalfa	495.1	7.1291	4.7529	6.7	851	103.9	255.0
	Ivaliente	Alfalfa	445.4	6.3935	4.3208	6.0	764	103.1	249.0
12.10.2020	Iciliboulette	Sainfoin	497.7	7.9550	3.4034	6.9	835	109.1	252.2
	Idomissyouboulette	Sainfoin	440.4	7.2890	3.1296	6.4	765	109.1	249.3
	Ienaboulette	Sainfoin	491.9	7.9920	3.4034	7.0	839	108.9	252.0
	Ilivalaboulette	Sainfoin	500.0	7.9550	3.4034	6.9	835	108.7	251.4
	Imbalaboul	Sainfoin	459.5	7.5110	3.2078	6.5	788	108.8	249.9
	Imeethappyboulette	Sainfoin	438.8	7.2150	3.0905	6.3	758	109.1	248.9
	Ineboulette	Sainfoin	504.3	8.1030	3.4817	7.1	851	109.1	252.6
	Inechaiboul	Sainfoin	455.8	7.5110	3.2078	6.5	788	109.1	250.3
	Iritabella	Sainfoin	458.5	7.5850	3.2470	6.6	796	108.8	250.0
	Itropiboulette	Sainfoin	445.0	7.4000	3.1687	6.4	777	109.1	249.9

	Iegadelavegaboule	Alfalfa	464.5	6.7519	4.4988	6.3	806	103.4	252.3
	Ilander	Alfalfa	489.2	7.0159	4.6944	6.6	837	103.8	254.2
	Ilsouriboul	Alfalfa	507.7	7.2045	4.8118	6.7	860	103.6	254.6
	Ipflapboulette	Alfalfa	441.2	6.4501	4.3032	6.0	770	103.7	251.3
	Iplatboulette	Alfalfa	469.0	6.8650	4.5770	6.4	819	103.6	253.3
	Iquissyoubiboulette	Alfalfa	450.5	6.5633	4.3814	6.1	783	103.5	251.4
	Iscasheboul	Alfalfa	510.0	7.2045	4.8118	6.7	860	103.9	255.2
	Ispiritusantu	Alfalfa	479.2	6.9028	4.6162	6.4	824	103.7	253.4
	Itarkiboulette	Alfalfa	495.9	7.1291	4.7726	6.7	851	103.8	254.5
	Ivaliente	Alfalfa	442.4	6.6010	4.3814	6.2	787	103.7	252.4
19.10.2020	Icilifairyboulette	Sainfoin	511.0	8.0592	3.4461	7.0	846	108.9	252.2
	Idomissyouboulette	Sainfoin	444.6	7.3600	3.1328	6.4	772	108.9	249.4
	Ienaboulette	Sainfoin	495.2	7.9856	3.4069	7.0	838	108.8	251.8
	Ilivalaboulette	Sainfoin	497.8	8.0960	3.4461	7.0	850	108.9	252.5
	Imbalaboul	Sainfoin	467.1	7.5808	3.2503	6.6	796	108.8	250.0
	Imeethappyboulette	Sainfoin	442.6	7.3232	3.1328	6.4	769	108.8	248.9
	Ineboulette	Sainfoin	513.6	8.1328	3.4852	7.1	854	108.9	252.3
	Inechaiboul	Sainfoin	462.9	7.5440	3.2503	6.6	792	109.1	250.2
	Iritabella	Sainfoin	465.5	7.5808	3.2503	6.6	796	108.8	249.9
	Itropiboulette	Sainfoin	452.6	7.3968	3.1720	6.4	777	108.8	249.1
	Iegadelavegaboule	Alfalfa	468.0	6.7968	4.5426	6.3	811	103.7	253.0
	Ilander	Alfalfa	493.8	7.0611	4.6992	6.6	843	103.5	254.0
	Ilsouriboul	Alfalfa	519.3	7.2877	4.8558	6.8	870	103.9	255.8
	Ipflapboulette	Alfalfa	449.9	6.5325	4.3468	6.1	779	103.5	251.4
	Iplatboulette	Alfalfa	475.2	6.8723	4.5817	6.4	820	103.8	253.5
	Iquissyoubiboulette	Alfalfa	455.2	6.6458	4.4251	6.2	793	103.7	252.3

Iscasheboul	Alfalfa	513.5	7.2877	4.8558	6.8	870	103.6	255.0
Ispiritusantu	Alfalfa	484.1	6.9478	4.6600	6.5	830	103.7	253.4
Itarkiboulette	Alfalfa	501.3	7.1366	4.7775	6.7	852	103.8	254.5
Ivaliente	Alfalfa	451.6	6.5702	4.3859	6.1	784	103.4	251.4

¹Body weight, ²Dry matter intake, ³Horse feed unit, ⁴Horse digestible crude protein