

Table S1: Contribution of the traits to each PCA component

	Dim.1	Dim.2	Dim.3	Dim.4	Dim.5	Dim.6	Dim.7	Dim.8
CHO	40.97	0.18	0.4	0.78	0.31	0.24	1.09	56.04
Ash	10.51	21.33	1.65	0.22	2.96	20.63	40.05	2.64
Fat	9.67	3.99	5.09	50.47	22.17	3.77	0.17	4.67
MC	18.58	16.91	2.3	8.4	0.13	16.22	15.4	22.08
Phytate	2.57	3.34	40.95	6.65	32.49	11.57	2.42	0
Protein	16.87	11.56	0.01	3.94	7.55	45.49	0.02	14.57
Tannin	0.66	42.66	0.91	0.64	13.18	1.53	40.43	0
Tryptophan	0.18	0.03	48.7	28.91	21.21	0.57	0.41	0