

## Supplementary Tables

**Table S1.** Percentage average fold of pure DNA from known meat types.

Known Meat type (100%)	Genus (% Of Average Fold)	Percentage deviation
Beef	<i>Bos</i> (Cattle) (99), <i>Bubalus</i> (Buffalo) (0,4), <i>Struthio</i> (Ostrich) (0,2) & <i>Rupicapra</i> (Goat antelope) (0,4)	1
Mutton	<i>Ovis</i> (Sheep) (99,1), <i>Bos</i> (Cattle) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,6), <i>Naemorhedus</i> (Goral) (0,1) & <i>Anas</i> (Duck) (0,1)	0.9
Pork	<i>Sus</i> (Pig) (99,7), <i>Ovis</i> (Sheep) (0,2), & <i>Bos</i> (Cattle) (0,1)	0.3
Chevon	<i>Capra</i> (Goat) (98,7), <i>Ovis</i> (Sheep) (0,2), <i>Budorcas</i> (Gnu Goat), <i>Bos</i> (Cattle) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,2), & <i>Sus</i> (Pig) (0,1)	1.3
Chicken	<i>Gallus</i> (Chicken) (98,5), <i>Bos</i> (Beef) (0,3), <i>Sus</i> (Pig) (0,2), <i>Capra</i> (Goat) (0,6), & <i>Ovis</i> (Sheep) (0,3)	1.4
Duck	<i>Anas</i> (Duck) (98,5), <i>Capra</i> (Goat) (0,1), <i>Ovis</i> (Sheep) (0,5), <i>Gallus</i> (Chicken) (0,2), <i>Bos</i> (Beef) (0,1), <i>Meleagris</i> (Turkey) (0,3), & <i>Sus</i> (Pig) (0,2)	1.5
Turkey	<i>Meleagris</i> (Turkey) (99,1), <i>Sus</i> (Pig) (0,1), <i>Anas</i> (Duck) (0,2), <i>Capra</i> (Goat) (0,2), <i>Ovis</i> (Sheep) (0,1), <i>Gallus</i> (Chicken) (0,1), & <i>Bos</i> (Beef) (0,1)	0.9
Ostrich	<i>Struthio</i> (Ostrich) (99,3), <i>Bos</i> (Beef) (0,3), <i>Meleagris</i> (Turkey) (0,1), <i>Sus</i> (Pig) (0,1), <i>Anas</i> (Duck) (0,1), & <i>Ovis</i> (Sheep) (0,1)	0.7
Kangaroo	<i>Macropus</i> (Kangaroo) (99,4), <i>Capra</i> (Goat) (0,2), <i>Struthio</i> (Ostrich) (0,2), <i>Bos</i> (Cattle) (0,1), & <i>Anas</i> (Duck) (0,1)	0.6

**Table S2.** Percentage of average fold of pure DNA from two known meat types artificially mixed at a ratio of 1:1

Mixture Ratio	Meat Type (%)	Genus (% Of Average fold)	Percentage Difference with Respect to Input Ratio
1:1	Pork (50%) Beef (50%)	<i>Sus</i> (Pig) (51,5) <i>Bos</i> (Cattle) (48,1) <i>Ovis</i> (Sheep) (0,1) <i>Bubalus</i> (Buffalo) (0,1) <i>Rupicapra</i> (Goat Antelope) (0,1)	1,5 -1,9
1:1	Chevon (50%) Mutton (50%)	<i>Capra</i> (Goat) (35,7) <i>Ovis</i> (Sheep) (63,4) <i>Budorcas</i> (Gnu Goat) (0,1) <i>Bos</i> (Cattle) (0,4) <i>Rupicapra</i> (Goat Antelope) (0,3) <i>Sus</i> (Pig) (0,1)	-14,3 13,4
1:1	Chicken (50%) Turkey (50%)	<i>Gallus</i> (Chicken) (45,3) <i>Meleagris</i> (Turkey) (50,8) <i>Bos</i> (Cattle) (0,2) <i>Sus</i> (Pig) (0,1)	-4,7 0,8

		<i>Capra</i> (Goat) (0,3) <i>Ovis</i> (Sheep) (0,2)	
1:1	Duck (50%) Ostrich (50%)	<i>Anas</i> (Duck) (69,2) <i>Struthio</i> (Ostrich) (29,9) <i>Sus</i> (Pig) (0,2) <i>Capra</i> (Goat) (0,1) <i>Ovis</i> (Sheep) (0,2) <i>Gallus</i> (Chicken) (0,1) <i>Bos</i> (Cattle) (0,3)	19,2 -20,1
1:1	Beef (50%) Kangaroo (50%)	<i>Bos</i> (Cattle) (73,9) <i>Macropus</i> (Kangaroo) (25,1) <i>Bubalus</i> (Buffalo) (0,2) <i>Gallus</i> (Chicken) (0,1) <i>Rupicapra</i> (Goat Antelope) (0,2) <i>Sus</i> (Pig) (0,2) <i>Anas</i> (Duck) (0,1)	23,9 24,9

**Table S3.** Percentage average folds of pure DNA from known meat samples artificially mixed at a ratio of 9:1.

Mixture Ratio	Meat Type (%)	Genus (% Of Average Fold)	% Difference with Respect to Input Ratio
9:1	Pork (90%) Beef (10%)	<i>Sus</i> (Pig) (91,3) <i>Bos</i> (Cattle) (8,5) <i>Ovis</i> (Sheep) (0,1)	1,3 -1,5
9:1	Beef (90%) Pork (10%)	<i>Bos</i> (Cattle) (92,7) <i>Sus</i> (Pig) (6,6) <i>Bubalus</i> (Buffalo) (0,3) <i>Rupicapra</i> (Goat Antelope) (0,3)	2,7 -3,4
9:1	Chevon (90%) Mutton (10%)	<i>Capra</i> (Goat) (81,5) <i>Ovis</i> (Sheep) (17,4) <i>Budorcas</i> (Gnu Goat) (0,3) <i>Bos</i> (Cattle) (0,1) <i>Rupicapra</i> (Goat Antelope) (0,2)	-8,5 7,4
	Mutton (90%) Chevon (10%)	<i>Ovis</i> (Sheep) (92,7) <i>Capra</i> (Goat) (6,4) <i>Rupicapra</i> (Goat Antelope) (0,5) <i>Naemorhedus</i> (Goral) (0,1)	2,7 -3,6
9:1	Chicken (90%) Duck (10%)	<i>Gallus</i> (Chicken) (82,1) <i>Anas</i> (Duck) (17,5) <i>Capra</i> (Goat) (0,1)	-7,9 7,5

		<i>Ovis</i> (Sheep) (0,1) <i>Sus</i> (Pig) (0,1) <i>Bos</i> (Cattle) (0,1)	
9:1	Duck (90%) Chicken (10%)	<i>Anas</i> (Duck) (96,3) <i>Gallus</i> (Chicken) (3,4) <i>Sus</i> (Pig) (0,1)	6,3 -3,6
9:1	Ostrich (90%) Duck (10%)	<i>Struthio</i> (Ostrich) (81,2) <i>Anas</i> (Duck) (18,5) <i>Bos</i> (Cattle) (0,1)	-8,8 8,5
9:1	Duck (90%) Ostrich (10%)	<i>Anas</i> (Duck) (86,4) <i>Struthio</i> (Ostrich) (13,2) <i>Ovis</i> (Sheep) (0,1) <i>Sus</i> (Pig) (0,1) <i>Bos</i> (Cattle) (0,1)	-3,6 3,2

**Table S4.** Percentage average fold of DNA from retail biltong for which the meat types were not indicated on product labels (N=11).

Sample Number	Genus (% Of Average fold)
S19	<i>Bos</i> (Cattle) (98,1), <i>Bubalus</i> (Buffalo) (0,6), <i>Rupicapra</i> (Goat Antelope) (0,8), <i>Redunca</i> (Reedbuck) (0,2) and <i>Bison</i> (Bison) (0,1)
S35	<i>Bos</i> (Cattle) (99,7), & <i>Bubalus</i> (Buffalo) (0,1)
S3	<i>Bos</i> (Cattle) (98,3), <i>Bubalus</i> (Buffalo) (0,7), <i>Rupicapra</i> (Goat Antelope) (0,7), <i>Redunca</i> (Reedbuck) (0,2) and <i>Bison</i> (Bison) (0,1)
S45	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
S54	<i>Bos</i> (Cattle) (98,2), <i>Bubalus</i> (Buffalo) (0,7), <i>Redunca</i> (Reedbuck) (0,3), <i>Sus</i> (Pig) (0,2), <i>Hemitragus</i> (Tahr) (0,2), <i>Capricornis</i> (Serow) (0,1) and <i>Bison</i> (Bison) (0,1)
S56	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
S62	<i>Bos</i> (Cattle) (98,2), <i>Rupicapra</i> (Goat Antelope) (0,6), <i>Bubalus</i> (Buffalo) (0,5), <i>Redunca</i> (Reedbuck) (0,2), <i>Capricornis</i> (Serow) (0,1), <i>Bison</i> (Bison) (0,1), and <i>Hemitragus</i> (Tahr) (0,1)
S67	<i>Bos</i> (cattle) (98,7), <i>Bubalus</i> (Buffalo) (0,5), <i>Rupicapra</i> (Goat Antelope) (0,4), <i>Redunca</i> (Reedbuck) (0,2) and <i>Bison</i> (Bison) (0,1)
S69	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1),
S92	<i>Bos</i> (Cattle) (xx) (98,4), <i>Rupicapra</i> (Goat Antelope) (0,7), <i>Bubalus</i> (Buffalo) (0,5) and <i>Redunca</i> (Reedbuck) (0,2)
S09	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2) <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)

**Table S5.** Percentage average fold of DNA from retail meat products labelled as beef biltong (N=17)

Sample Number	Genus (% Of Average Fold)
S <sup>®</sup>	<i>Bos</i> (Cattle) (93,6), <i>Ovis</i> (Sheep) (4,9), <i>Sus</i> (Pig) (0,8), <i>Bubalus</i> (Buffalo) (0,2) <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
112	<i>Bos</i> (Cattle) (98,4), <i>Bubalus</i> (Buffalo) (0,6), <i>Rupicapra</i> (Goat Antelope) (0,6), <i>Redunca</i> (Reedbuck) (0,2), <i>Bison</i> (Bison) (0,1) and <i>Ovis</i> (Sheep) (0,1)

117 <sup>®</sup>	<i>Bos</i> (Cattle) (97,9), <i>Bubalus</i> (Buffalo) (0,7), <i>Hemitragus</i> (Tahr) (0,3), <i>Capricornis</i> (Serow) (0,2), <i>Redunca</i> (Reedbuck) (0,2), <i>Moschus</i> (Musk-deer) (0,1), <i>Sus</i> (Pig) (0,1), <i>Bison</i> (Bison) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
137	<i>Bos</i> (Cattle) (99,0), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Redunca</i> (Reedbuck) (0,2), <i>Sus</i> (Pig) (0,1) and <i>Bison</i> (Bison) (0,1)
138	<i>Bos</i> (Cattle) (99,0), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,3), <i>Redunca</i> (Reedbuck) (0,2), <i>Sus</i> (Pig) (0,1) and <i>Bison</i> (Bison) (0,1)
142	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
147	<i>Bos</i> (Cattle) (99,2), <i>Sus</i> (Pig) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Ovis</i> (Sheep) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
148	<i>Bos</i> (Cattle) (99,0), <i>Bubalus</i> (Buffalo) (0,5), <i>Redunca</i> (Reedbuck) (0,2), <i>Sus</i> (Pig) (0,1) and <i>Hemitragus</i> (Tahr) (0,1)
149	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,3), <i>Ovis</i> (Sheep) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
15	<i>Bos</i> (Cattle) (99,4), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
153	<i>Bos</i> (Cattle) (99,6), <i>Sus</i> (Pig) (0,2) and <i>Bubalus</i> (Buffalo) (0,1)
16 <sup>®</sup>	<i>Bos</i> (Cattle) (57,5), <i>Sus</i> (Pig) (37,4), <i>Ovis</i> (Sheep) (4,6), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
166	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
168	<i>Bos</i> (Cattle) (98,6), <i>Bubalus</i> (Buffalo) (0,6), <i>Rupicapra</i> (Goat Antelope) (0,4), <i>Redunca</i> (Reedbuck) (0,2) and <i>Bison</i> (Bison) (0,1)
17	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
175	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,3), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
19	<i>Bos</i> (Cattle) (99,1), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)

**Table S6.** Percentage average folds of DNA from retail minced meat for which the meat types were not indicated on product labels (N=27).

Sample Number	Genus (% Of Average fold)
S	<i>Bos</i> (Cattle) (99,7), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
16	<i>Bos</i> (Cattle) (99,0), <i>Sus</i> (Pig) (0,6), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
2	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,3), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
23	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,3), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
3	<i>Bos</i> (Cattle) (99,2), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Sus</i> (Pig) (0,1), <i>Ovis</i> (Sheep) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
33	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
34 <sup>®</sup>	<i>Bos</i> (Cattle) (97,7), <i>Ovis</i> (Sheep) (1,8), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
39	<i>Bos</i> (Cattle) (99,3), <i>Rupicapra</i> (0,3), <i>Bubalus</i> (0,2) and <i>Sus</i> (Pig) (0,1)
4 <sup>®</sup>	<i>Sus</i> (Pig) (97,7) and <i>Bos</i> (Cattle) (2,2)
5	<i>Bos</i> (Cattle) (99,7) and <i>Bubalus</i> (Buffalo) (0,1)
55	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
58	<i>Bos</i> (Cattle) (98,2), <i>Bubalus</i> (Buffalo) (0,8), <i>Rupicapra</i> (Goat Antelope) (0,5) and <i>Redunca</i> (Reedbuck) (0,3)
59	<i>Bos</i> (Cattle) (99,7) and <i>Bubalus</i> (Buffalo) (0,1)

6	<i>Bos</i> (Cattle) (98,8), <i>Sus</i> (Pig) (0,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,3), <i>Ovis</i> (Sheep) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
63	<i>Bos</i> (Cattle) (99,6), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
65 <sup>©</sup>	<i>Bos</i> (Cattle) (83,2), <i>Ovis</i> (Sheep) (16,4), <i>Rupicapra</i> (0,2) and <i>Bubalus</i> (Buffalo) (0,1)
66	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1), <i>Ovis</i> (Sheep) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
74	<i>Bos</i> (Cattle) (98,3), <i>Sus</i> (Pig) (1,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
77	<i>Bos</i> (Cattle) (99,0), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
78 <sup>©</sup>	<i>Bos</i> (Cattle) (95,3), <i>Sus</i> (Pig) (3,8), <i>Bubalus</i> (Buffalo) (0,2), (Goat Antelope) (0,3), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> and <i>Redunca</i> (Reedbuck) (0,1)
8	<i>Bos</i> (Cattle) (99,6), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
89	<i>Bos</i> (Cattle) (98,8), <i>Ovis</i> (Sheep) (0,4), <i>Sus</i> (Pig) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
9	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
93	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
94	<i>Bos</i> (Cattle) (99,8) and <i>Bubalus</i> (Buffalo) (0,1)
95	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
97	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)

**Table S7.** Percentage average fold of DNA from retail meat products labelled as beef mince.

Sample Number	Genus (% Of Average Fold)
S	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
109	<i>Bos</i> (Cattle) (98,9), <i>Bubalus</i> (Buffalo) (0,7), <i>Redunca</i> (Reedbuck) (0,3) and <i>Bison</i> (Bison) (0,1)
12	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
123	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Sus</i> (Pig) (0,2), <i>Ovis</i> (Sheep) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
128	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
13	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Sus</i> (Pig) (0,1), <i>Bison</i> (Bison) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
132	<i>Bos</i> (Cattle) (99,6), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
133	<i>Bos</i> (Cattle) (99,1), <i>Bubalus</i> (Buffalo) (0,2), <i>Sus</i> (Pig) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1), <i>Bison</i> (Bison) (0,1), <i>Redunca</i> (Reedbuck) (0,1)
139	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Sus</i> (Pig) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
14	<i>Bos</i> (Cattle) (99,0), <i>Sus</i> (Pig) (0,3), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Redunca</i> (Reedbuck) (0,1)
152	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
154	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
158	<i>Bos</i> (Cattle) (98,9), <i>Ovis</i> (Sheep) (0,4), <i>Sus</i> (Pig) (0,2), <i>Homo</i> (Human) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
162	<i>Bos</i> (Cattle) (99,1), <i>Bubalus</i> (Buffalo) (0,3), <i>Ovis</i> (Sheep) (0,2), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)

163	<i>Bos</i> (Cattle) (99,1), <i>Bubalus</i> (Buffalo) (0,3), <i>Ovis</i> (Sheep) (0,2), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
164	<i>Bos</i> (Cattle) (99,5), <i>Sus</i> (Pig) (0,3), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
167	<i>Bos</i> (Cattle) (98,5), <i>Ovis</i> (Sheep) (0,6), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3) and <i>Redunca</i> (Reedbuck) (0,1)
17 <sup>©</sup>	<i>Bos</i> (Cattle) (97,0), <i>Ovis</i> (Sheep) (2,0), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3), <i>Sus</i> (Pig) (0,1), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
173	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
18	<i>Bos</i> (Cattle) (98,3), <i>Ovis</i> (Sheep) (0,7), <i>Bubalus</i> (Buffalo) (0,3), <i>Sus</i> (Pig) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3) and <i>Redunca</i> (Reedbuck) (0,1)
183 <sup>©</sup>	<i>Bos</i> (Cattle) (93,3), <i>Sus</i> (Pig) (6,1), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
99	<i>Bos</i> (Cattle) (99,1), <i>Homo</i> (Human) (0,5) and <i>Struthio</i> (Ostrich) (0,2)

**Table S8.** Percentage average fold of DNA from retail patties for which the meat types were not indicated on product labels (N=15).

Sample Number	Genus (% Of Average Fold)
5	<i>Bos</i> (Cattle) (99,3), <i>Sus</i> (Pig) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
12	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Sus</i> (Pig) (0,1), <i>Ovis</i> (Sheep) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
15	<i>Bos</i> (Cattle) (99,1), <i>Ovis</i> (Sheep), (0,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
2	<i>Bos</i> (Cattle) (99,7), <i>Bubalus</i> (Buffalo) (0,1) <i>Rupicapra</i> (Goat Antelope) (0,1) and, <i>Redunca</i> (Reedbuck) (0,1)
22	<i>Bos</i> (Cattle) (99,7), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
32	<i>Bos</i> (Cattle) (99,6), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
44	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2) <i>Rupicapra</i> (Goat Antelope) (0, 2) and <i>Sus</i> (Pig) (0,1)
46	<i>Bos</i> (Cattle) (99,1), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3), <i>Sus</i> (Pig) (0,1) and <i>Redunca</i> (Reedbuck) (0,1).
47	<i>Bos</i> (Cattle) (99,7) and <i>Bubalus</i> (Buffalo) (0,1)
48 <sup>©</sup>	<i>Bos</i> (Cattle) (91,8), <i>Sus</i> (Pig) (7,7), <i>Bubalus</i> (Buffalo) (0,1) <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) <i>Redunca</i> (Reedbuck) (0,1)
57	<i>Bos</i> (Cattle) (98,9), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,4) and <i>Redunca</i> (Reedbuck) (0,1)
7	<i>Bos</i> (Cattle) (99,7), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
73	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,2) <i>Rupicapra</i> (Goat Antelope), (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
8	<i>Bos</i> (Cattle) (99,6), <i>Sus</i> (Pig) (0,1) <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
84 <sup>©</sup>	<i>Sus</i> (Pig) (59,6), <i>Bos</i> (Cattle) (40,0), <i>Bubalus</i> (Buffalo) (0,1), <i>Connochaetes</i> (Wildebeest) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)

**Table S9.** Percentage average folds of DNA from retail meat products labelled as beef patty (n=18)

Sample Number	Genus (% Of Average Fold)
102	<i>Bos</i> (Cattle) (99,4), <i>Bubalus</i> (Buffalo) (0,2), <i>Ovis</i> (Sheep) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
113 <sup>©</sup>	<i>Bos</i> (Cattle) (93,4), <i>Ovis</i> (Sheep) (5,6), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)

115	<i>Bos</i> (Cattle) (99,1), <i>Bubalus</i> (Buffalo) (0,3), <i>Ovis</i> (Sheep) (0,2), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
112 <sup>®</sup>	<i>Bos</i> (Cattle) (81,7), <i>Ovis</i> (Sheep) (17,7) <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Bison</i> (Bison) (0,1) and <i>Bubalus</i> (Buffalo) (0,1)
12	<i>Bos</i> (Cattle) (98,2), <i>Ovis</i> (Sheep) (1,2), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Bubalus</i> (Buffalo) (0,1) and <i>Bison</i> (Bison) (0,1)
122 <sup>®</sup>	<i>Bos</i> (Cattle) (64,5), <i>Ovis</i> (Sheep) (34,3), <i>Rupicapra</i> (Goat Antelope) (0,7) and <i>Bubalus</i> (Buffalo) (0,1)
124	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
125	<i>Bos</i> (Cattle) (98,7), <i>Ovis</i> (Sheep) (0,9), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
13	<i>Bos</i> (Cattle) (99,5), <i>Sus</i> (Pig) (0,2) and <i>Bubalus</i> (Buffalo) (0,1)
136 <sup>®</sup>	<i>Bos</i> (Cattle) (94,9), <i>Sus</i> (Pig) (4,4), <i>Bubalus</i> (Buffalo) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
14	<i>Bos</i> (Cattle) (99,1), <i>Sus</i> (Pig) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
146	<i>Bos</i> (Cattle) (99,5), <i>Sus</i> (Pig) (0,1), <i>Homo</i> (Huma) (0,1) and <i>Ovis</i> (Sheep) (0,1)
169	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
172	<i>Bos</i> (Cattle) (99,0), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Redunca</i> (Reedbuck) (0,2) and <i>Bison</i> (Bison) (0,1)
179 <sup>®</sup>	<i>Bos</i> (Cattle) (93,4), <i>Ovis</i> (Sheep) (6,2), <i>Bubalus</i> (Buffalo) (0,1) <i>Rupicapra</i> (Goat Antelope) (0,1)
18	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
182	<i>Bos</i> (Cattle) (98,7), <i>Homo</i> (Human) (0,6), <i>Mus</i> (Rat) (0,3), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
185	<i>Bos</i> (Cattle) (98,7), <i>Bubalus</i> (Buffalo) (0,4), <i>Rupicapra</i> (Goat Antelope) (0,4), <i>Redunca</i> (Reedbuck) (0,2) and <i>Ovis</i> (Sheep) (0,1)

**Table S10.** Percentage average folds of DNA from retail sausages for which the meat types were not indicated on product labels (n=21).

Sample Number	Genus (% Of Average Fold)
15 <sup>®</sup>	<i>Bos</i> (Cattle) (37,1) <i>Sus</i> (Pig) (38,5), <i>Ovis</i> (Sheep) (23,7) and <i>Rupicapra</i> (Goat Antelope) (0,2)
159 <sup>®</sup>	<i>Ovis</i> (Sheep) (91,4), <i>Bos</i> (Cattle) (7,0), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (1,3) and <i>Naemorhedus</i> (Goral) (0,1)
16	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
18	<i>Bos</i> (Cattle) (99,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Gallus</i> (Chicken) (0,2), <i>Sus</i> (Pig) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
26 <sup>®</sup>	<i>Bos</i> (Cattle) (91,0), <i>Ovis</i> (Sheep) (5,2), <i>Sus</i> (Pig) (3,0), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
27	<i>Bos</i> (Cattle) (99,5), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
29	<i>Bos</i> (Cattle) (98,8), <i>Ovis</i> (Sheep) (0,6), <i>Bubalus</i> (Buffalo) (0,2), <i>Sus</i> (Pig) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
38	<i>Bos</i> (Cattle) (99,0), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Ovis</i> (Sheep) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
4 <sup>®</sup>	<i>Sus</i> (Pig) (97,4) and <i>Bos</i> (Cattle) (2,7)
42	<i>Bos</i> (Cattle) (99,3), <i>Sus</i> (Pig) (0,3), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
43	<i>Bos</i> (Cattle) (99,5), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1), <i>Redunca</i> (Reedbuck) (0,1) and <i>Hemitragus</i> (Tahr) (0,1)

5 <sup>°</sup>	<i>Sus</i> (Pig) (94,8) and <i>Bos</i> (Cattle) (5,2)
68 <sup>°</sup>	<i>Bos</i> (Cattle) (97,9), <i>Bubalus</i> (Buffalo) (0,8), <i>Rupicapra</i> (Goat Antelope) (0,6), <i>Redunca</i> (Reedbuck) (0,3) and <i>Bison</i> (Bison) (0,2)
7	<i>Bos</i> (Cattle) (99,6), <i>Bubalus</i> (Buffalo) (0,2), <i>Ovis</i> (Sheep) (0,1), <i>Bison</i> (Bison) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
72	<i>Bos</i> (Cattle) (98,9), <i>Bubalus</i> (Buffalo) (0,5), <i>Rupicapra</i> (Goat Antelope) (0,3) and <i>Redunca</i> (Reedbuck) (0,2)
75	<i>Bos</i> (Cattle) (99,2), <i>Bubalus</i> (Buffalo) (0,3), <i>Sus</i> (Pig) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
79 <sup>°</sup>	<i>Bos</i> (Cattle) (95,9), <i>Ovis</i> (Sheep) (3,6), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Bubalus</i> (Buffalo) (0,1), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
82	<i>Bos</i> (Cattle) (99,5), <i>Sus</i> (Pig) (0,1), <i>Ovis</i> (Sheep) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
83 <sup>°</sup>	<i>Bos</i> (Cattle) (74,7), <i>Sus</i> (Pig) (24,7), <i>Ovis</i> (Sheep) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
85	<i>Bos</i> (Cattle) (97,5), <i>Equus</i> (Horse/Donkey) (0,9), <i>Sus</i> (Pig) (0,8), <i>Ovis</i> (Sheep) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
87	<i>Bos</i> (Cattle) (99,3), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)

**Table S11.** Percentage average folds of DNA from retail meat products labelled as beef sausage (N=21).

Sample Number	Genus (% Of Average Fold)
S	<i>Bos</i> (Cattle) (98,7), <i>Ovis</i> (Sheep) (0,5), <i>Sus</i> (Pig) (0,4) and <i>Homo</i> (Human) (0,1)
103	<i>Bos</i> (Cattle) (99,2), <i>Sus</i> (Pig) (0,2), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2), <i>Bison</i> (Bison) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
104 <sup>°</sup>	<i>Bos</i> (Cattle) (63,4), <i>Sus</i> (Pig) (36,1), <i>Ovis</i> (Sheep) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
114	<i>Bos</i> (Cattle) (98,4), <i>Bubalus</i> (Buffalo) (0,6), <i>Rupicapra</i> (Goat Antelope) (0,6), <i>Redunca</i> (Reedbuck) (0,2) and <i>Bison</i> (Bison) (0,1)
126 <sup>°</sup>	<i>Bos</i> (Cattle) (78,1), <i>Ovis</i> (Sheep) (20,8) and <i>Capra</i> (Goat) (1,0)
127 <sup>°</sup>	<i>Bos</i> (Cattle) (69,2), <i>Sus</i> (Pig) (30,4), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
129	<i>Bos</i> (Cattle) (98,8), <i>Ovis</i> (Sheep) (0,9), <i>Sus</i> (Pig) (0,1), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
134 <sup>°</sup>	<i>Bos</i> (Cattle) (67,5), <i>Ovis</i> (Sheep) (17,7), <i>Sus</i> (Pig) (14,3), <i>Rupicapra</i> (Goat Antelope) (0,3) and <i>Bubalus</i> (Buffalo) (0,1)
135 <sup>°</sup>	<i>Bos</i> (Cattle) (38,8), <i>Sus</i> (Pig) (60,1), <i>Ovis</i> (Sheep) (0,8), <i>Homo</i> (Human) (0,2) and <i>Mus</i> (Rat) (0,2)
143 <sup>°</sup>	<i>Bos</i> (Cattle) (93,6), <i>Ovis</i> (Sheep) (5,6), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
144 <sup>°</sup>	<i>Bos</i> (Cattle) (85,7), <i>Ovis</i> (Sheep) (13,6), <i>Bubalus</i> (Buffalo) (0,2), <i>Rupicapra</i> (Goat Antelope) (0,2) and <i>Redunca</i> (Reedbuck) (0,1)
145 <sup>°</sup>	<i>Bos</i> (Cattle) (94,4), <i>Sus</i> (Pig) (3,7), <i>Ovis</i> (Sheep) (0,9), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3) and <i>Redunca</i> (Reedbuck) (0,1)
15 <sup>°</sup>	<i>Bos</i> (Cattle) (18,1), <i>Sus</i> (Pig) (78,1), <i>Ovis</i> (Sheep) (3,5) and <i>Rupicapra</i> (Goat Antelope) (0,2)
155 <sup>°</sup>	<i>Bos</i> (Cattle) (85,7), <i>Sus</i> (Pig) (9,9), <i>Ovis</i> (Sheep) (4,0), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)
156 <sup>°</sup>	<i>Bos</i> (Cattle) (79,0), <i>Sus</i> (Pig) (20,5), <i>Ovis</i> (Sheep) (0,1), <i>Bubalus</i> (Buffalo) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
174	<i>Bos</i> (Cattle) (99,5), <i>Ovis</i> (Sheep) (0,1), <i>Bubalus</i> (Buffalo) (0,1), <i>Rupicapra</i> (Goat Antelope) (0,1) and <i>Redunca</i> (Reedbuck) (0,1)
178	<i>Bos</i> (Cattle) (99,7) and <i>Bubalus</i> (Buffalo) (0,1)
184 <sup>°</sup>	<i>Bos</i> (Cattle) (68,7), <i>Ovis</i> (Sheep) (27,9) and <i>Sus</i> (Pig) (3,2)



186	<i>Bos</i> (Cattle) (88,2), <i>Ovis</i> (Sheep) (11,0), <i>Bubalus</i> (Buffalo) (0,3), <i>Rupicapra</i> (Goat Antelope) (0,3) and <i>Redunca</i> (Reedbuck) (0,1)
188 <sup>©</sup>	<i>Bos</i> (Cattle) ( <b>64,2</b> ), <i>Sus</i> (Pig) (35,3), <i>Bubalus</i> (Buffalo) (0,2) and <i>Rupicapra</i> (Goat Antelope) (0,1)
189 <sup>©</sup>	<i>Bos</i> (Cattle) ( <b>68,8</b> ), <i>Sus</i> (Pig) (30,1), <i>Ovis</i> (Sheep) (0,8), <i>Bubalus</i> (Buffalo) (0,1) and <i>Rupicapra</i> (Goat Antelope) (0,1)