Table **S1**. Relative abundance (%) of major OTU ID and prediction of similar species in different dietary animal protein media

OTU ID	Taxon	Similar species	Beef	Pork	Chicken	Milk	B_Feces	A_Feces	P.value
1111294	f__Enterobacteriaceae; g__; s__	*Shigella sp.*	46.88±4.16^{c}	44.31±4.62^{c}	53.51±5.26^{c}	51.18±4.76^{c}	2.12±1.24^{a}	14.06±2.59^{b}	<0.001***
1039594	f__Comamonadaceae; g__; s__	*Curvibacter delicatus*	0.02±0.01^{a}	0.07±0.07^{a}	0.58±0.44^{a}	0.12±0.15^{a}	29.93±4.57^{b}	29.03±2.75^{b}	<0.001***
349024	*g__Streptococcus*	*Streptococcus gallolyticus*	0.23±0.03^{a}	0.11±0.03^{a}	0.07±0.03^{a}	22.69±1.04^{b}	0.04±0.01^{a}	0.04±0.01^{a}	<0.001***
528753	*g__Phascolarctobacterium*	*Phascolarctobacterium faceum*	2.74±1.01^{b}	3.99±0.57^{bc}	5.35±1.65^{c}	0.04±0.02^{a}	0.27±0.1^{a}	0.19±0.11^{a}	<0.001***
828483	*g__Clostridium*	*Clostridium perfirngens*	4.24±1.84^{b}	3.8±1.35^{b}	3.72±0.52^{b}	0.09±0.03^{a}	0.03±0.01^{a}	0.04±0.02^{a}	<0.001***
4457268	f__Enterobacteriaceae; g__; s__	*Escherichia coli*	2.8±0.15^{c}	2.05±0.15^{b}	2.53±0.14^{bc}	2.37±0.48^{bc}	0.08±0.02^{a}	0.59±0.2^{a}	<0.001***
1111582	*g__Enterococcus*	*Enterococcus faecalis*	2.25±0.64^{bc}	1.31±0.32^{ab}	1.7±0.51^{ac}	3.23±1.44^{c}	0.04±0.01^{a}	0.09±0.06^{a}	<0.001***
583656	*g__Bacteroides*	*Bacteroides nordii*	0.92±0.62^{ab}	1.47±0.57^{ab}	2.56±0.47^{b}	0.25±0.15^{a}	1.76±0.95^{ab}	2.02±0.83^{ab}	0.013*
252727	*g__Peptostreptococcus*	*Peptostreptococcus russellii*	1.68±2	2.19±2.03	2.87±1.48	0.01±0.01	0.07±0.08	0.02±0.02	0.065
288521	*g__Lactobacillus*	*Lactobacillus equigenerosi*	0.62±0.27	0.6±0.34	0.43±0.15	0.85±0.07	0.6±0.44	1.1±0.89	0.545
589277	*g__Bacteroides*	*Bacteroides dorei*	0.15±0.09	0.19±0.05	0.16±0.01	0.09±0.03	2.58±2.41	1.01±0.16	0.055
1076969	*g__Streptococcus*	*Streptococcus agalactiae*	0.03±0.01^{a}	0.01±0^{a}	0±0^{a}	2.42±1.05^{b}	0±0^{a}	0±0^{a}	<0.001***
537290	*g__Morganella*	*Morganella morganii*	0.19±0.3	0.97±1.43	2.37±2.16	0.02±0.03	0.04±0.04	0.13±0.22	0.115
572889	*g__Fusobacterium*	*Fusobacterium mortiferum*	0.01±0^{a}	0±0^{a}	0±0^{a}	0±0^{a}	1.35±0.53^{b}	2.25±0.55^{c}	<0.001***
851323	*g__Parabacteroides*	*Parabacteroides johnsonii*	0.2±0.12^{a}	0.29±0.12^{ab}	0.33±0.07^{ab}	0.07±0.02^{a}	1.38±0.41^{c}	0.77±0.12^{b}	<0.001***
703741	*g__Lactobacillus*	*Lactobacillus acidophilus*	0.29±0.09^{a}	0.32±0.24^{a}	0.19±0.05^{a}	1.05±0.51^{b}	0.13±0.06^{a}	0.36±0.18^{a}	0.006**
604966	*g__Lactobacillus*	*Lactobacillus diolivorans*	0.34±0.08	0.33±0.14	0.23±0.04	0.67±0.12	0.13±0.13	0.51±0.51	0.132
585419	*g_Veillonella*	*uclassified*	0.02±0.01^{a}	0.09±0.06^{ab}	0.69±0.54^{b}	0±0^{a}	0.01±0^{a}	0.03±0.01^{a}	0.015*
324786	*g_Veillonella*	*Veillonella creceti / ratti*	0.03±0.01^{a}	0.12±0.08^{ab}	0.22±0.08^{b}	0±0^{a}	0±0^{a}	0±0^{a}	<0.001***

The data were expressed as the mean values±standard deviation. (SD)

The P.values were determined using Anova test. (*P < 0.05; **P < 0.01; ***P < 0.001)

$^{a, b, c}$ represents different superscripts differed significantly. (P < 0.05)

The major OTUs were arranged in order of abundance at each dietary animal protein medium.

Table S2. Sequences of OTUs and identities (%) with similar species

OTU ID	Taxon	Similar species	Similarity (%)	Sequence
1111294	f__Enterobacteriaceae; g__; s__	*Shigella sp.*	97.01	AGAGTTTGATCCTGGCTCAGATTGAACGCTGGCGGCAGGCCTAACACATGCAA GTCGAACGGTAACAGGAAACAGATTGCTGTTTCGCTGACGAGTGGCGGACGG GTGAGTAATGTCTGGGAAACTGCCTGATGGAGGGGGATAACTACTGGAAACG GTAGCTAATACCGCATAACGTCGCAAGACCAAAGAGGGGGACCCTCGGGCCT CTTGCCATCGGATGTGCCCAGATGGGATTAGCTTGTTGGTGGGGTAACGGCTC AACACACAGGGGATCCGATCCCTAAGCTTGTTCTGAGAGGACTGACCAGCCA CACGTGGAACTGAGACACGGTTCAGACTTCTACGGGAGGCAGCAGTGGGGAA TATTGCACAATGGGCGCAAGGCTGATGCAGGCATGCCGCGTGTATGAAGAAG GCCTTCGGGTTGTAAAGTACTTTCAGCAGGGAGGAAGGGAGTAAAGTTAATA CCTTTGCTCATTGACGTTACCCGCCAGAAGAAGCACCGGCTAACTCCGTGCCA GCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA AAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCT GGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAAT TCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAA GGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAA ACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGTCGACTTGGAGGT TGTGCCCTTGAGGCGTGGCTTCCGGAGCTAACGCGTTAAGTCGACCGCCTGGA GGAGTACGGCCGCAAGGTTAAAACTTCTAATGAATTGACCGGGGGCCCGCAC AAGCGGTGGAGCATGTGCGTTTAATTCGATGCAACGCGAAGAATGCTTACCTG GTCTTGACATTCCACGGACGTTTTCGGAGATGTGAATGTGCCTTCGGGAACCG TGAAGACAGGTAGCGTGCATGGCTGTCGTCACTGCTCGTGTTGTGAAATGTTG GGTTCAGTCCCGCAACGAGCTGCTATACCTCAGTGCTATACGCTCTTGTTGCC AGCGGTCCGGCCGGGAACTCAAAGGAGACTGCCAGTGATAAACTGGAGGAAG GTGGGGATGACGTCAAGTCATCATGGCCCTTACGACCAGGGCTACACACGTGC TACAATGGCGCATACAAAGAGAAGCGACCTCGCGAGAGCAAGCGGACCTCAT AAAGTGCGTCGTAGTCCGGATTGGAGTCTGCAACTCGACTCCATGAAGTCGGA ATCGCTAGTAATCGTGGATCAGAATGCCACGGTGAATACGTTCCCGGGCCTTG TACACACCGCCCGTCACACCATGGGAGTGGGTTGCAAAAGAAGTAGGTAGCT TAACCTTCGGGAGGGCGCTTACCACTTTGTGATTCATGACTGGGGTGAAGTCG TAACAAGGTAGCCGT
1039594	f__Comamonadaceae; g__; s__	*Curvibacter delicatus*	97.2	ATTGAACGCTGGCGGCATGCCTTACACATGCAAGTCGAACGGCAGCACGGGA GCAATCCTGGTGGCGAGTGGCGAACGGGTGAGTAATACATCGGAACGTGCCC GATCGTGGGGGATAACTACTCGAAAGAGTAGCTAATACCGCATACGATCTAC GGATGAAAGCGGGGGATCGCAAGACCTCGCGCGGACGGAGCGGCCGATGGC AGATTAGGTAGTTGGTGGGATAAAAGCTTACCAAGCCGACGATCTGTAGCTG GTCTGAGAGGACGACCAGCCACACTGGGACTGAGACACGGCCCAGACTCCTA CGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGAAAGCCTGATACAGCA ATGCCGCGTGCAGGATGAAGGCCTTCGGGTTGTAAACTGCTTTTGTACGGAAC GAAAAGACTCTCTCTAATAAAGGGGGTCCATGACGGTACCGTAAGAATAAGC ACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTA ATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTATGTAAGACAGAGGT GAAATCCCCGGGCTCAACCTGGGAACTGCCTTTGTGACTGCATAGCTAGAGTA CGGTAGAGGGGGATGGAATTCCGCGTGTAGCAGTGAAATGCGTAGATATGCG GAGGAACACCGATGGCGAAGGCAATCCCCTGGACCTGTACTGACGCTCATGC ACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTA AACGATGTCAACTGGTTGTTGGGTCTTAACTGACTCAGTAACGAAGCTAACGC GTGAAGTTGACCGCCTGGGGAGTACGGCCGCAAGGTTGAAACTCAAAGGAAT TGACGGGGACCCGCACAAGCGGTGGATGATGTGGTTTAATTCGATGCAACGC GAAAAACCTTACCCACCTTTGACATGTACGGAGGTTTCCAGAGATGGATTCGT GCTCGAAAGAGAACCGTAACACAGGTGCTGCATGGCTGTCGTCAGCTCGTGTC GTGAGATGTTGGGTTAAGTCCCACAACGAGCGCAACCCTTGCCATTAGTTGCT ACATTTAGTTGGGCACTCTAATGGGACTGCCGGTGACAAACCGGAGGAAGGT GGGGATGACGTCAAGTCCTCATGGCCCTTATAGGTGGGGCTACACACGTCATA CAATGGCTGGTACAAAGGGTTGCCAACCCGCGAGGGGGAGCTAATCCCATAA AGCCAGTCGTAGTCCGGATCGCAGTCTGCAACTCGACTGCGTGAAGTCGGAAT CGCTAGTAATCGTGGATCAGCATGTCACGGTGAATACGTTCCCGGGTCT

349024	*g__Streptococcus*	*Streptococcus gallolyticus*	95.68	AGAGTTTGATCCTGGCTCAGGATGAACGCTGGCGGCGTGCCTAATACATGCAA GTCGAACGCACAGCGAAAGGTGCTTGCACCTTTCAAGTGAGTGGCGAACGGG TGAGTAACACGTGGATAACCTACCTCAAGGTTGGGGATAACATTTGGAAACA GATGCTAATACCGAATAAAACTTCGTATCGCATGATACAAGGTTAAAAGGCG CTACGGCGTCACCTAGAGATGGATCCGCGTTGTATTAGCTAGTTGGTGGGGTA ACGGCCTACCAAGGCGACGATACATAGCCGACCTGAGAGGGTGATCGGCCAC ACTGGGACTGAGACACGGCCCAGACTCCTACGGGAGGCAGCAGTAGGGAATC TTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT TTTCGGATCGTAAAGCTCTGTTGTAAGAGAAGAACGTGTATGAGAGTGGAAA GTTCACACAGTGACGGTAACTTACCAGAAAGGGACGGCTAACTACGTGCCAG CAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAA GCGAGCGCAGGCGGTTTAATAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATT GTTCGCTTTGGAAACTGTTAAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCA TGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCG GCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAG GATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAGTGCTAGGTGTTAGGC CCTTTCCGGGGCTTAGTGCCGCAGCTAACGCATTAAGCACTCCGCCTGGGGAG TACGACCGCAAGGTTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAGCGG TGGAGCATGTGGTTTAATTCGAAGCAACGCGAAGAACCTTACCAGGTCTTGAC ATCCCGATGCTATTTCTAGAGATAGAAAGTTTCTTCGGAACATCGGTGACAGG TGGTGCATGGTTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGCA ACGAGCGCAACCCCTATTGTTAGTTGCCATCATTGAGTTGGGCACTCTAGCGA GACTGCCGGTAATAAACCGGAGGAAGGTGGGGATGACGTCAAATCATCATGC CCATTATGACCTGGGCTACACACGTGCTACAATGGTTGGTACAACGAGTCGCA AGTCGGTGACGGCAAGCAAATCTCTTAAAGCCAATCTCAGTCCGGATTGTAGG CTGCAACTCGCCTACATGAAGTCGGAATCGCTAGTAATCGCGGATCAGCACGC CGCGGTGAATACGTTCCCGGGCCTTGCACTCACCGCCCGTCA
528753	*g__Phascolarctobacterium*	*Phascolarctobacterium faceum*	98.57	GAGTTTGATCCTGGCTCAGGACGAACGCTGGCGGCGTGCCTAACACATGCAA GTCGAACGGAGAATTTTATTTCGGTAGGATTCTTAGTGGCGAACGGGTGAGTA ACGCGTAGGCAACCTGCCCTTTAGACGGGACAACATTCCGAAAGGAGTGCTA ATACCGGATGAGATCATTTTCCCGCATAGGAGAGTGAAGAAAGATGGCCTCT ACATGTAAGCTATCGCTAAAGGATGGGCCTGCGTCTGATTAGCTAGTTGGTAG TGTAACGGACTACCAAGGCGATGATCAGTAGCCGGTCTGAGAGGATGAACGG CCACATTGGGACTGAGACACGGCCCAAACTCCTACGGGAGGCAGCAGTGGGG AATCTTCCGCAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGAGTGATGA AGGATTTCGGTCTGTAAAACTCTGTTGTTTATGACGAACGTGCAGTGTGTGAA CAATGCATTGCAATGACGGTAGTAAACGAGGAAGCCACGGCTAACTACGTGC CAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTCGTCCGGAATTATTGGGCG TAAAGAGCATGTAGGCGGCCTATTAAGTCGAGCGTGAAAATGCGGGGCTCAA CCCCGTATGGCGCTGGAAACTGGTAGGCTTGAGTGCAGGAGAGGAAAGGGGA ATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCG AAGGCGCCTTTCTGGACTGTGTCTGACGCTGAGATGCGAAAGCCAGGGTAGC GAACGGGATTAGATACCCCGGTAGTCCTGGCCGTAAACGATGGGTACTAGGT GTAGGAGGTATCGACCCCTTCTGTGCCGGAGTTAACGCAATAAGTACCCCGCC TGGGGAGTACGGCCGCAAGGTTGAAACTCAAAGGAATTGACGGGGGCCCGCA CAAGCGGTGGAGTATGTGGTTTAATTCGACGCAACGCGAAGAACCTTACCAA GGCTTGACATTGATTGATCGCTCTAGAGATAGAGCTTTCCCTTCGGGGACAAG AAAACAGGTGGTGCATGGCTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAA GTCCCGCAACGAGCGCAACCCCTATCCTATGTTACCAGCAAGTGAAGTTGGGG ACTCATGGGAGACTGCCAGGGACAACCTGGAGGAAGGCGGGGATGACGTCAA GTCATCATGCCCCTTATGTCTTGGGCTACACACGTACTACAATGGTCGGAAAC AGAGGGAAGCAAAGCCGCGAGGCAGAGCAAACCCCAGAAACCCGATCTCAG TTCGGATCGCAGGCTGCAACTCGCCTGCGTGAAGTCGGAATCGCTAGTAATCG CAGGTCAGCATACTGCGGTGAATACGTTCCCGGGCCTTG

828483	g__*Clostridium*	*Clostridium perfirngens*	100	TTGATCCTGGCTCAGGATGAACGCTGGCGGCGTGCTTAACACATGCAAGTCGA GCGAGAGAGTTCCTTCGGGAACAATCTAGCGGCGGACGGGTGAGTAACACGT GGGCAACCTGCCTCATAGAGGGGAATAGCCTCCCGAAAGGGAGATTAATACC GCATAATATCATTGAGTGGCATCATTTAATGATTAAAGGAGTAATCCGCTATG AGATGGGCCCGCGGCGCATTAGCTAGTTGGTGAGGTAACGGCTCACCAAGGC GACGATGCGTAGCCGACCTGAGAGGGTGATCGGCCACATTGGGACTGAGACA CGGCCCAGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGA AACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATTGTAAAG CTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAA CTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTA CTGGGCGTAAAGGGAGCGTAGGCGGATAATTAAGTGGGATGTGAAATACCCG GGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGA GAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACC AGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGT GGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAAT ACTAGGTGTAGGGGCCCCAAGCCTCTGTGCCGCCGCTAACGCATTAAGTATTC CGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGACGGGGACC CGCACAAGCAGCGGAGCATGTGGTTTAATTCGAAGCAACGCGAAGAACCTTA CCTAGACTTGACATCTCCTGAATTACTCTTAATCGAGGAAGTCCCTTCGGGGA CAGGAAGACAGGTGGTGCATGGTTGTCGTCAGCTCGTGTCGTGAGATGTTGGG TTAAGTCCCGCAACGAGCGCAACCCTTATTGTTAGTTGCTACCATTAAGTTGA GCACTCTAGCAAGACTGCCCGGGTTAACCGGGAGGAAGGTGGGGATGACGTC AAATCATCATGCCCCTTATGTCTAGGGCTACACACGTGCTACAATGGCAAGTA CAAAGAGAAGCAAGACCGCAAGGTGGAGCAAAACTCAAAAACTTGTCTCAGT TCGGATTGTAGGCTGAAACTCGCCTACATGAAGCTGGAGTTGCTAGTAATCGC GAATCAGCATGTCGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTC ACACCATGAGAGTTGGCAATACCCGAAGTCCGTGAGCTAACCGCAAGGAGGC AGCGGCCGAAGGTAGGGTCAGCGATTGGGGTGAAGTCGTAACAAGGTAGCCG TAGGAGAACCTGCGGCTGGATCACCTCCTT
4457268	f__Enterobacteriaceae; g__; s__	*Escherichia coli*	98.59	GGTAACAGGAAAGAAGCTTGCTTTCTTTGCTGACGAGTGGCGGACGGGTGAG TAATGTCTGGGAAACTGCCTGATGGAGGGGGATAACTACTGGAAACGGTAGC TAATACCGCATAACGTCGCAAGACCAAAGAGGGGGACCTTCGGGCCTCTTGC CATCGGATGTGCCCAGATGGGATTAGCTAGTAGGTGGGGTAACGGCTCACCTA GGCGACGATCCCTAGCTGGTCTGAGAGGATGACCAGCCACACTGGAACTGAG ACACGGTCCAGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGG CGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAA AGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACG TTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATA CGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCG GTTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAAACCTGGGAACTGCATCT GATACTGGCAAGCTTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGC GGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTG GACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGAT ACCCTGGTAGTCCACGCCGTAAACGATGTCGACTTGGAGGTTGTGCCCTTGAG GCGTGGCTTCCGGAGCTAACGCGTTAAGTCGACCGCCTGGGGAGTACGGCCC GCAAGGTTAAAACTCAAATGAATTGACGGGGGGCCCCGCACAAGCGGTGGAG CATGTGGTTTAATTCGATGCAACGCGAAGAACCTTACCTGGGTCTTGACATCC ACAGNAACTTTCCAGAAAATGGATTGGGTGCCTTCGGGAACTGTGAGACAGG TGCTGCATGGCTGTCGTTCACCTCGTGTTGTGAAATGTTGGGTTAAGTCCCGCA ACGAGCGCAACCCTTATCCTTTGTTGCCAGCGGTCCGGCCGGGAACTCAAAGG AAACTGCCAGTGATAAACTGGAGGAAGGTGGGGATGACGTCAAGTCATCATG GCCCTTACGACCAGGGCTACACACGTGCTACAATGGCGCATACAAAGAGAAG CGACCTCGCGAGAGCAAGCGGACCTCATAAAGTGCGTCGTAGTCCGGATTGG AGTCTGCAACTCGACTCCATGAAGTCGGAATCGCTAGTAATCGTGGATCAGAA TGCCACGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCACACCATGG GAGTGGGTTGCAAAAGAAGTAGGTAGGCTTAACCCTTCGGGAGGGGCGCTAC CAC

1111582	*g__Enterococcus*	*Enterococcus faecalis*	95.99	AGAGTTTGATCATGGCTCAGGATGAACGCTGGCGGCGTGCCTAATACATGCAA GTCGAGCGAACAGACGAGGAGCTTGCTCCTTTGACGTTAGCGGCGGACGGGT GAGTAACACGTGGATAACCTACCTATAAGACTGGGATAACTTCGGGAAACCG GAGCTAATACCGGATAACATGTTGAACCGCATGGTTCAACAGTGAAAGACGG TCTTGCTGTCACTTATAGATGGATCCGCGCCGCATTAGCTAGTTGGTGAGGTA ACGGCTCACCAAGGCCACGATGCATAGCCGACCTGAGAGGGTGATCGGCCAC ACTGGGACTGAGACACGGCCCAGACTCCTACGGGAGGCAGCAGTAGGGAATC TTCGGCAATGGACGAAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT TTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGACGTTAGTAACTGA ACGTCCCCTGACGGTATCTAACCAGAAAGCCACGGCTAACTACGTGCCAGCA GCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGC GAGCGCAGGCGGTTTCTTAAGTCTGATGTGAAAGCCCCCGGCTCAACCGGGG AGGGTCATTGGAAACTGGGAGACTTGAGTGCAGAAGAGGAGAGTGGAATTCC ATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGC GGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACA GGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAGTGCTAAGTGTTGGA GGGTTTCCGCCCTTCAGTGCTGCAGCAAACGCATTAAGCACTCCGCCTGGGGA GTACGACCGCAAGGTTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAGCG GTGGAGCATGTGGTTTAATTCGAAGCAACGCGAAGAACCTTACCAGGTCTTGA CATCCTTTGACCACTCTAGAGATAGAGCTTTCCCTTCGGGGACAAAGTGACAG GTGGTGCATGGTTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGC AACGAGCGCAACCCTTATTGTTAGTTGCCATCATTTAGTTGGGCACTCTAGCG AGACTGCCGGTGACAAACCGGAGGAAGGTGGGGATGACGTCAAATCATCATG CCCCTTATGACCTGGGCTACACACGTGCTACAATGGGAAGTACAACGAGTCGC TAGACCGCGAGGTCATGCAAATCTCTTAAAGCTTCTCTCAGTTCGGATTGCAG GCTGCAACTCGCCTGCATGAAGCCGGAATCGCTAGTAATCGCGGATCAGCAC GCCGCGGTGAATACGTTCCCG
583656	*g__Bacteroides*	*Bacteroides nordii*	98.9	CTGGCTCAGGATGAACGCTAGCTACAGGCTTAACACATGCAAGTCGAGGGGC ATCAGGATGTAGCAATACATTGCTGCGACCGGCGCACGGGTGAGTAACACGT ATCCAACCTGCCTTTTACTCGGGGATAGGCTTTCGAAAGAAAGATTAATACCC GATGGTATAATATTTCCGCATGGGATTATTATTAAAGAATTTCGGTAAAAGGT GGGGATGCGTTCCATTAGGCAGTTGGCGGGGTAACGGCCCACCAAACCTTCG ATGGATAGGGGTTCTGAGAGGAAGGTCCCCCACATTGGAACTGAGACACGGT CCAAACTCCTACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGC CTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCT TTTATAGGGGAATAAAATGAGCCACGTGTGGCTTTTTGTATGTACCCTATGAA TAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAG CGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACATGTAAGTCAG TTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTGTGTCTTG AGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATA TCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTG ATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTAGTCCACACA GTAAACGATGAATACTCGCTGTTTGCGATATACAGTAAGCGGCCAAGCGAAA GCATTAAGTATTCCACCTGGGGAGTACGCCGGCAACGGTGAAACTCAAAGGA ATTGACGGGGGCCCGCACAAGCGGAGGAACATGTGGTTTAATTCGATGATAC GCGAGGAACCTTACCCGGGCTTAAATTGCATTTGAATATATTGGAAACAGTAT AGCCGTAAGGCAAATGTGAAGGTGCTGCATGGTTGTCGTCAGCTCGTGCCGTG AGGTGTCGGCTTAGGTGCCATAACGAGCGCAGCCCTTATCTTTAGTTACTAAC AGGTCATGCTGAGGACTCTAGAGAGACTGCCGTCGTAAGATGTGAGGAAGGT GGGGATGACGTCAAATCAGCACGGCCCTTACGTCCGGGGCTACACACGTGTTA CAATGGGGGGTACAGAAGGCAGCTACCTGGTGACAGGATGCTAATCCCAAAA GCCTCTCTCAGTTCGGATCGAAGTCTGCAACCCGACTTCGTGAAGCTGGATTC GCTAGTAATCGCGCATCAGCCATGGCGCGGTGAATACGTTCCCGGGCCTTGCA

252727	*g__Peptostreptococcus*	*Peptostreptococcus russellii*	96.35	GATGAACGCTGGCGGCGTGCTTAACACATGCAAGTCGAGCGCGGTCCCTTTGG TGCTTGCACCAGAGAAGACTGAGCGGCGGACGGGTGAGTAACGCGTGGGTAA CCTGCCCTATACACATGGATAACATGCTGAAAAGCATACTAATACATGATAAC GTACACTGATGGCATCTTCGGTGTATCAAAGCGTTAGCGGTATAGGATGGACC CGCGTCTGATTAGCTAGTTGGTGGGGTAAAAGCCTACCAAGGCCACGATCAGT AGCCGACCTGAGAGGGTGATCGGCCACATTGGAACTGAGACACGGTCCAAAC TCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATG CAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATCGTAAAGTTCTGTCGCAG GGGAAGATAATGACGGTACCCTGTGAGGAAGCACCGGCTAACTACGTGCCAG CAGCCGCGGTAATACGTAGGGTGCTAGCGTTATCCGGATTTACTGGGCGTAAA GGGTGCGTAGGTGGTCTTTCAAGTCGGTGGTTAAAGGCTACGGCTCAACCGTA TTAAGCCGCCGAAACTGGAAGACTTGAGTGCAGGAGAGGAAAGTGGAATTCT CAGTGTAGCGGTGAAATGCGTAGATATTGAGAAGAACACCAGTAGCGAAGGC GGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACA GGATTAGATATCCTGGTAGTCCACGCCGTAAACGATGAGTATTAGGTGTCGGG GGTTACCCCCCTCGGTGCCGCAGTTAACGCATTAAATACTCCGCCTGGGGAGT ACGCACGCAAGTGTGAAACTCAAAGGAATTGACGGGGACCCGCACAAGTAGC GGAGCATGTGGTTTAATTCGAAGCAACGCGAAGAACCTTACCTAAGCTTGACA TCTCTCAGATCGGTAGTTAATCCTACCTTCCCTTCGGGGCTGAGATGACAGGT GGTGCATGGTTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGCAA CGAGCGCAACCCTTGTCTTTAGTTGCCAGCATTAAGTTGGGCACTCTAGAGAG ACTGCCAGGGATAACCTGGAGGAAGGTGGGGATGACGTCAAATCATCATGCC CCTTATGTCTTGGGCTACACACGTACTACAATGGTCGGCAACAGAGGGAAGCA AAGCCGTGAGGCAGAGCAAACCCCAGAAACCCGATCCCAGCTCGGATTGCAG GCTGCAACTCGCCTGGATGAAGTCGGAATCGCTAGTAATCGCAGGTCAGCATA CTGCGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCACACCACGAAA GTTGGTAACACCCGAAGCCGGTGGGGTAACCGTAAGGAGCCAGCCGTCTAAG GTGGGGCCGATGATTGGGGTG
288521	*g__Lactobacillus*	*Lactobacillus equigenerosi*	97.12	AGAGTTTGATCCTGGCTCAGGATGAACGCCGGCGGTGTGCCTAATACATGCAA GTCGTACGCGTTGGCCCAACTGATTTGAAGTGCTTGCACGGATCTGACGTTGG TTTACCAACGAGTGGCGGACGGGTGAGTAACACGTAGGTAACCTGCCCAGAA GCGGGGGACAACACTTGGAAACAGGTGCTAATACCGCATAACAATTCAAATC GCATGATTTGAATTTGAAAGATGGTTTCGGCTATCACTTCTGGATGGACCTGC GGCGCATTAGCTTGTTGGTGGGGTAATGGCCTACCAAGGCAGTGATGCGTAGC CGAGTTGAGAGACTGATCGGCCACAATGGGACTGAGATACGGCCCATACTCC TACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAG CAACACCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAGCTCTGTTGTTGAAG AAGAACGTGCATGAGAGTAACTGTTCATGCAGTGACGGTATTCAACCAGAAA GTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGT TATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATG TGAAAGCCTTCGGCTTAACCGAAGAAGGGCATCGGAAACCGGGCGACTTGAG TGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATA TGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAG GCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCATGCCG TAAACGATGAGTGCTAGGTGTTGGAGGGTTTCCGCCCTTCAGTGCCGGAGCTA ACGCATTAAGCACTCCGCCTGGGGAGTACGACCGCAAGGTTGAAACTCAAAG GAATTGACGGGGGCCCGCACAAGCGGTGGAGCATGTGGTTTAATTCGAAGCT ACGCGAAGAACCTTACCAGGTCTTGACATCTTGCGCTAACCTAAGAGATTAGG CGTTCCCTTCGGGGACGCAATGACAGGTGGTGCATGGTCGTCGTCAGCTCGTG TCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTGTTACTAGTTG CCAGCATTCAGTTGGGCACTCTAGTGAGACTGCCGGTGACAAACCGGAGGAA GGTGGGGACGACGTCAGATCATCATGCCCCTTATGACCTGGGCTACACACGTG CTACAATGGACGGTACAACGAGTTGCGAACTCGCGAGAGTAAGCTAATCTCTT AAAGCCGTTCTCAGTTCGGACTGTAGGCTGCAACTCGCCTACACGAAGTCGGA ATCGCTAGTAATCGCGGATCAGCATGCCGCGGTGAATACGTTCCCGGGCCTTG CACACAACGCCCGTCA

589277	*g__Bacteroides*	*Bacteroides dorei*	98.83	GATGAACGCTAGCTACAGGCTTAACACATGCAAGTCGAGGGGCAGCATGGTC TTAGCTTGCTAAGGCTGATGGCGACCGGCGCACGGGTGAGTAACACGTATCCA ACCTGCCGTCTACTCTTGGCCAGCCTTCTGAAAGGAAGATTAATCCAGGATGG GATCATGAGTTCACATGTCCGCATGATTAAAGGTATTTTCCGGTACACGATGG GGATGCGTCCCATTTAGATAGTAGGCGGGGTAACGGCCCACCTAGTCAACGAT GGATAGGGGTTCTGAGAGGAAGGTCCCCCACATTGGAACTGAGACACGGTCC AAACTCCTACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATGGCCT GAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTCGTAAACTTCTTT TATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATA AGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCG TTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTT GTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATGTCTTGAG TGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCA CGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGG CTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTAGTCCACACGGTA AACGATGAATACTCGCTGTTTGCGATATACGGCAAGCGGCCAAGCGAAAGCG TTAAGTATTCCACCTGGGGAGTACGCCGGCAACGGTGAAACTCAAAGGAATA GACGGGGGCCCGCACAAGCGGAGGAACATGTGGTTTAATTCGATGATACGCG AGGAACCTTACCCGGGCGTAAATTGCACTCGAATGATCCGGAAACGGTTCAG CTAGCAATAGCGAGTGTGAAGGTGGTGCATGGTTGTCGTCAGCTCGTGCCGTG AGGTGTCGGCTTAAGTGCCATAACGAGCGCAACCCTCGTTGTCAGTTACTAAC AGGTGATGCTGAGGACTCTGACAAGACTGCCATCGTAAGATGTGAGGAAGGT GGGGAGGACGTCAAATCAGCACGGCCCCTACGTCCGGGGGTACACACGTGTT ACAATGGGGGGGACAGAGGGCCGCTACCACGCGAGTGGATGCCAATCCCTAA AACCCCTCTCAGTTCGGACTGGAGTGTGCAACCCGACTCCACGAAGCTGGATT CGCTAGTAATCGCGCATCAGCCACGGCGCGGTGAAAAAGATCCCGGGCCTTG TACA
1076969	*g__Streptococcus*	*Streptococcus agalactiae*	97.59	GACGAACGCTGGCGGCGTGCCTAATACATGCAAGTAGAACGCTGAGGTTTGG TGTTTACACTAGACTGATGAGTTGCGAACGGGTGAGTAACGCGTAGGTAACCT GCCTCATAGCGGGGGATAACTATTGGAAACGATAGCTAATACCGCATAAGAG TAATTAACACATGTTGGTTATTTAAAAGGAGCAATTGCTTCACTGTGAGATGG ACCTGCGTTGTATTAGCTAGTTGGTGAGGTAAAGGCTCACCAAGGCGACGATA CATAGCCGACCTGAGAGGGTGATCGGCCACACTGGGACTGAGACACGGCCCA GACTCCTACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGGAAGTCTG ACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTG TTAGAGAAGAACGTTGGTAGGAGTGGAAAATCTACCAAGTGACGGTAACTAA CCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCC CGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTCTTTAAG TCTGAAGTTAAAGGCAGTGGCTTAACCATTGTACGCTTTGGAAACTGGAGGAC TTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAG ATATATGGAGAAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACG CTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCA CGCCGTAAACGATGAGTGCTAGGTGTTAGGCCCTTTCCGGGGCTTAGTGCCGC AGCTAACGCATTAAGCACTCCGCCTGGGGAGTACGACCGCAAGGTTGAAACT CAAAGGAATTGACGGGGGCCCGCACAAGCGGTGGAGCATGTGGTTTAATTCG AAGCAACGCGAAGAACCTTACCAGGTCTTGACATCCTTCTGACCGGCCTAGAG ATAGGCTTTCTCTTCGGAGCAGAAGTGACAGGTGGTGCATGGTTGTCGTCAGC TTGTGTCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCCTATTGTT AGTTGCCATCATTAAGTTGGGCACTCTAGCGAGACTGCCGGTAATAAACCGGA GGAAGGTGGGGATGACGTCAAATCATCATGCCCCTTATGACCTGGGCTACACA CGTGCTACAATGGACAATACAAAGGGCAGCGAAACCGCGAGGTCAAGCAAAT CCCATAAAGTTGTTCTCAGTTCGGATTGTAGTCTGCAACTCGACTACATGAAG CTGGAATCGCTAGTAATCGTAGATCAGCATGCTACGGTGAATACGTTCCCGGG TCT

537290	*g__Morganella*	*Morganella morganii*	98.08	TAGAGTTTGATCCTGGCTCAGATTGAACGCTGGCGGCAGGCCTAACACATGCA AGTCGGGCGGTAACAGGGAGAAGCTTGCTTCTCTGCTGACGAGCGGCGGACG GGTGAGTAATGTATGGGGATCTGCGTGATGGAGGGGGGATAACTCTGGAAAC GGTAGCTAATACCGCATAATGTCTTCGGACCAAAGCGGGGGACCTCCGGGCCT CGCGCCATCAGATGAACCCATATGGGATTAGCTTGTAGGTGAGGTAACGGCTC ACCTAGGCGACGATCCCTAGCTGGTCTGAGAGGATGATCAGCCACACTGGGA CTGAGACACGGCCCAGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCACA ATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGG TTGTAAAGTACTTTCAGTCGGGAGGAAGGTGTTAAGGTTAATAACCTTAGCAA TTGACGTTACCGACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGG TAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGC AGGCGGTTGATTGAGTCAGATGTGAAATCCCCGGGCTTAACCCGGGAATTGCA TCTGATACTGGTCAGCTAGAGTCTTGTAGAGGGGGGTAGAATTCCATGTGTAG CGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCT GGACAAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAG ATACCCTGGTAGTCCACGCCGTAAACGATGTCGACTTGGAGGTTGTGCCCTTG AGGCGTGGCTTCCGGAGCTAACGCGTTAAGTCGACCGCCTGGGGAGTACGGC CGCAAGGTTAAAACTCAAATGAATTGACGGGGGCCCGCACAAGCGGTGGAGC ATGTGGTTTAATTCGATGCAACGCGAAGAACCTTACCTACTCTTGACATCCAG AGAACTTAGCAGAGATGCTTTGGTGCCTTCGGGAACTCTGAGACAGGTGCTGC ATGGCTGTCGTCAGCTCGTGTTGTGAAATGTTGGGTTAAGTCCCGCAACGAGC GCAACCCTTATCCTTTGTTGCCAGCGGTTCGGCCGGGAACTCAAAGGAGACTG CCAGTGATAAACTGGAGGAAGGTGGGGATGACGTCAAGTCATCATGGCCCTT ACGAGTAGGGCTACACACGTGCTACAATGGCATATACAAAGAGAAGCGACCT CGCGAGAGCAAGCGGACCTCATAAAGTATGTCGTAGTCCGGATTGGAGTCTG CAACTCGACTCCATGAAGTCGGAATCGCTAGTAATCGTGGATCAGAATGCCAC GGTGAATACGTTCCCGGGCCTTGCACTCACCGCCCGTCA
572889	*g__Fusobacterium*	*Fusobacterium mortiferum*	98.71	GAGTTTGATCCTGGCTCAGGATGAACGCTGACAGAATGCTTAACACATGCAAG TCTACTTGATCCTTCGGGTGATGGTGGCGGACGGGTGAGTAACGCGTAAAGAA CTTGCCCTGCAGTCTGGGACAACATTTGGAAACGAATGCTAATACCGGATATT ATGCGAGATTCGCATGTTTCTCGTATGAAAGCTATATGCGCTGCAGGAGAGCT TTGCGTCCTATTAGCTAGTTGGTGAGGTAATGGCTCACCAAGGCGATGATAGG TAGCCGGCCTGAGAGGGTGAACGGCCACAAGGGGACTGAGACACGGCCCTTA CTTCTACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGA TCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAG TTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGT GCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGC GTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCA ACTCCGTATTGCGTTGGAAACTGTCAAACTAGAGTACTGGAGAGGTGGGCGG AACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGG GAAGCCAGCCCACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAG CAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGATTACTAGGT GTTGGGGGTCGAACCTCAGCGCCCAAGCTAACGCGATAAGTAATCCGCCTGG GGAGTACGTACGCAAGTATGAAACTCAAAGGAATTGACGGGGACCCGCACAA GCGGTGGAGCATGTGGTTTAATTCGACGCAACGCGAGGAACCTTACCAGCGTT TGACATCCTAGGAAGTTGGCAGAGATGCCTTCGTGCCCCTTCGGGGGAACCTA GTGACAGGTGGTGCATGGCTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAA GTCCCGCAACGAGCGCAACCCCTTTCGTATGTTGCCATCATTAAGTTGGGAAC TCATGCGATACTGCCTGCGATGAGCAGGAGGAAGGTGGGGATGACGTCAAGT CATCATGCCCCTTATACGCTGGGCTACACACGTGCTACAATGGGTAGTACAGA GAGTCGCTAACCTGCGAGGGGGAGCTAATCTCAGAAAACTATTCTCAGTTCGG ATTGTACTCTGCAACTCGAGTACATGAAGTTGGAATCGCTAGTAATCGCAAAT CAGCTATGTTGCGGTGAATACGTTCTCGGGTCTTGTACACACCGCCCGTCACA CCACGAGAGTTGGTTGCACCTGAAGTAGTAGGCCTAACCGCAAGGAGGGATG CTCCGAGGGTGTGATTAGCGATTGGGGTGAAGTCGTAACAAGGTAGCCGTAG

851323	*g__Parabacteroides*	*Parabacteroides johnsonii*	97.55	CCTGGCTCAGGATGAACGCTAGCGACAGGCTTAACACATGCAAGTCGAGGGG CAGCACAGGTAGCAATACCGGGTGGCGACCGGCGCACGGGTGAGTAACGCGT ATGCAACTTACCTATCAGAGGGGGATAACCCGGCGAAAGTCGGACTAATACC GCATGAAGCAGGGGCCCCGCATGGGGATATTTGCTAAAGATTCATCGCTGATA GATAGGCATGCGTTCCATTAGGCAGTTGGCGGGGCAACGGCCCACCAAACCG ACGATGGATAGGGGTTCTGAGAGGAAGGTCCCCCACATTGGTACTGAGACAC GGACCAAACTCCTACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTA AGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGATCTATGGTTTGTAAAC TTCTTTTATAGGGGAATAAAGTGTGGGACGTGTCCCATTTTGTATGTACCCTAT GAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGC GAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTAATTTAAGT CAGCGGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGGTTAC TTGAGTGTGTTTGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAG ATATCACGCAGAACTCCAATTGCGAAGGCAGCTTACTAAACCATAACTGACAC TGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTAGTCCAC GCAGTAAACGATGATTACTAGGAGTTTGCGATACACAGTAAGCTCTACAGCG AAAGCGTTAAGTAATCCACCTGGGGAGTACGCCGGCAACGGTGAAACTCAAA GGAATTGACGGGGGCCCGCACAAGCGGAGGAACATGTGGTTTAATTCGATGA TACGCGAGGAACCTTACCCGGGTTTGAACGTAGTCAGACCGGCCTTGAAAGA GGTCTTCTAGCAATAGCTGATTACGAGGTGCTGCATGGTTGTCGTCAGCTCGT GCCGTGAGATGTCGGCCTAAGTGCCATAACGAGCGCAACCCTTATCACTAGTT ACTAACAGGTCGTGCTGAGGACTCTGGTGAGACTGCCAGCGTAAGCTGTGAG GAAGGTGGGGATGACGTCAAATCAGCACGGCCCTTACATCCGGGGCGACACA CGTGTTACAATGGCATGGACAAAGGGCAGCTACCTGGCGACAGGATGCTAAT CTCTAAACCATGTCTCAGTTCGGATCGGAGTCTGCAACTCGACTCCGTGAAGC TGGATTCGCTAGTAATCGCGCATCAGCCATGGCGCGGTGAATACGTTCCCGGG CCTTGCACACACCGCCC
703741	*g__Lactobacillus*	*Lactobacillus acidophilus*	96.41	TAATACATGCAAGTCGAGCGAGCTGAATTCAAAGATCCCTTCGGGGGGATTTG TTGGACGCTAGCGGCGGATGGGTGAGTAACACGTGGGCAATCTGCCCTAAAG ACTGGGATACCACTTGGAAACAGGTGCTAATACCGGATAACAACATGAATCG CATGATTCAAGTTTGAAAGGCGGCGCAAGCTGTCACTTTAGGATGAGCCCGCG GCGCATTAGCTAGTTGGTGGGGTAAAGGCCTACCAAGGCAATGATGCGTAGC CGAGTTGAGAGACTGATCGGCCACATTGGGACTGAGACACGGCCCAAACTCC TACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAG CAACGCCGCGTGAGTGAAGAAAGTCTTCGGATCGTAAAGCTCTGTTGTTGGTG AAGAAGGATAGAGGCAGCAACTGGTCTTTATTTGACGGTAATCAACCAGAAA GTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGT TGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAAT GTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAG TGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATA TGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAG GCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCATGCCG TAAACGATGAGTGCTAAGTGTTGGGAGGTTTCCGCCTCTCAGTGCTGCAGCTA ACGCATTAAGCACTCCGCCTGGGGAGTACGACCGCAAGGTTGAAACTCAAAG GAATTGACGGGGGCCCGCACAAGCGGTGGAGCATGTGGTTTAATTCGAAGCA ACGCGAAGAACCTTACCAGGTCTTGACATCTAGTGCAATCTGTAGAGATATGG AGTTCCCTTCGGGGACGCTAAGACAGGTGGTGCATGGCTGTCGTCAGCTCGTG TCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTGTTATTAGTTG CCAGCATTAAGTTGGGCACTCTAATGAGACTGCCGGTGACAAACCGGAGGAA GGTGGGGATGACGTCAAGTCATCATGCCCCTTATGACCTGGGCTACACACGTG CTACAATGGGCAGTACAACGAGAAGCAAGCCTGCGAAGGCAAGCGAATCTCT GAAAGCTGTTCTCAGTTCGGACTGCAGTCTGCAACTCGACTGCACGAAGCTGG AATCGCTAGTAATCGCGGATCAGCACGCCGCGGTGAATACGTTCCCGGGCCTT GTACACACCGCCCGTCACACCATGGGAGTCTGCAATGCCCAAAGCCGGTGGC CTAACCTTCGGGAAGGAGCCGTCTAAGGCAGGGCAGATGACTTGGGGGTGAA GTCGTAACAAGGTAGCCGTAGGAGAACC

604966	*g__Lactobacillus*	*Lactobacillus diolivorans*	100	GACGAGTGGCGAACTGGTGAGTAACACGTGGGTAACCTGCCCTTGAAGTAGA GGATAACACTTGGAAACAGGTGCTAATACTGCATAACAACGAAAACCGCCTG GTTTTCGTTTGAAAGATGGCTTCGGCTATCGCTTTAGGATGGACCCGCGGCGT ATTAGCTAGTTGGTGAGGTAACGGCTCACCAAGGCAATGATACGTAGCCGAC CTGAGAGGGTAATCGGCCACATTGGGACTGAGACACGGCCCAAACTCCTACG GGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAAC GCCGCGTGAGTGATGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGGAGAAGA ACGGGTGTCAGAGTAACTGTTGACATCGTGACGGTATCCAACCAGAAAGCCA CGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCC GGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTTTTAGGTCTGATGTGAAA GCCTTCGGCTTAACCGGAGAAGTGCATCGGAAACCGGGAGACTTGAGTGCAG AAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAA GAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCG AAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCATGCCGTAAAC GATGAGTGCTAAGTGTTGGAGGGTTTCCGCCCTTCAGTGCTGCAGCTAACGCA TTAAGCACTCCGCCTGGGGAGTACGACCGCAAGGTTGAAACTCAAAGGAATT GACGGGGGCCCGCACAAGCGGTGGAGCATGTGGTTTAATTCGATGCTACGCG AAGAACCTTACCAGGTCTTGACATCTTCTGCCAACCTAAGAGATTAGGCGTTC CCTTCGGGGACAGAATGACAGGTGGTGCATGGTTGTCGTCAGCTCGTGTCGTG AGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTATTGTTAGTTGCCAGC ATTTAGTTGGGCACTCTAGCAAGACTGCCGGTGACAAACCGGAGGAAGGTGG GGATGACGTCAAATCATCATGCCCCTTATGACCTGGGCTACACACGTGCTACA ATGGACGGTACAACGAGTCGCGAAACCGCGAGGTCAAGCTAATCTCTTAAAG CCGTTCTCAGTTCGGATTGTAGGCTGCAACTCGCCTACATGAAGTTGGAATCG CTAGTAATCGTGGATCAGCATGCCACGGTGAATACGTTCCCGGGCCTTGTACA CACCGCCCGTCACACCATGAGAGTTTGTAACACCCAAAGCCGGTGAGGTAAC CTTCGGGGGCCAGCCGTCTAAGGTGGGACAGATGATTAGGGTGAAGTCGTAA CAAGGTAGCCGTAGGAGAACCTGCGGCTGGATCACCTCCTT
585419	*g_Veillonella*	*uclassified*	-	ATGGGAGCTTGCTCCTATCATCTTAGTGGCGAACGGGTGAGTAACGCGTAATC ACCTGCCCTTCAATGGGGGACAACAGTTGGAAACGACTGCTAATACCGCATAC GTCGGCATCGAGAAAGGTGGCCTTTTTAAAGCTATCGTTGAAGGAGGGGATTG CGTCTGATTAGCTAGTTGGAGGGGTAACGGCCCACCAAGGCAATGATCAGTA GCCGGTCTGAGAGGATGAACGGCCACATTGGGACTGAGACACGGCCCAAACT CCTACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGACGAAAGTCTGACGG AGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATTGTAAAGCTCTGTTAATCG GGACGAAGAGCCTAGTGTGAATAATGCTAGGAAGTGACGGTACCGGAATAGA AAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGC GTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGCGGATCTGCCAGTCTGT CTTAAAAGTTCGGGGCTTAACCCCGTGATGGGATGGAAACTACAGATCTAGA GTATCGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATAT TAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGACGAAAACTGACGCTGA GGCGCGAAAGCCAGGGGAGCGAACGGGATTAGATACCCCGGTAGTCCTGGCC GTAAACGATGGGTACTAGGTGTAGGAGGATCGACCTTCTGTGCCGCAGTTAAC GCAATAAGTACCCCGCCTGGGGAGTACGACCGCAAGGTTGAAACTCAAAGGA ATTGACGGGGGCCCGCACAAGCGGTGGAGTATGTGGTTTAATTCGACGCAAC GCGAAGAACCTTACCAGGTCTTGACATTGATGGACAGAACTAGAGATAGTTCC TCTTCTTCGGAAGCCAGAAAACAGGTGGTGCACGGTTGTCGTCAGCTCGTGTC GTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCCTATCTTATGTTGCC AGCACTAAGGTGGGAACTCATGAGAGACTGCCGCAGACAATGCGGAGGAAG GCGGGGATGACGTCAAATCATCATGCCCCTTATGACCTGGGCTACACACGTAC TACAATGGGCTTTATAAAGGGAAGCGAAGTCGCGAGGCGGAGCAAACCCCAG AAACAAGCTCTCAGTTCGGATCGTAGGCTGCAACTCGCCTACGTGAAGTCGGA ATCGCTAGTAATCGCAGGTCAGATACTGCGGTGAATACGTTCCCGGGCCTTGT ACACACCGCCCGTCACACCACGAAAGTCGGAAGTGCCCAAAGCCGG

324786	*g_Veillonella*	*Veillonella creceti / ratti*	97.19	AGAGTTTGATCCTGGCTCAGGACGAACGCTGGCGGCGTGCTTAACACATGCAA GTCGAACGGAGAGCGATGGAAGCTTGCTTCTATCAATCTTAGTGGCGAACGG GTGAGTAACGCGTAACCAACCTGCCCTTCAGAGGGGGATAACAACGGGAAAC CGTTGCTAATACCGCGTACGATTAAGCTTCGGCATCGAAGCTTAATGAAAGGT GGCCTCTATATATAAGCTATCGCTGAAGGAGGGGGTTGCGTCTGATTAGCTAG TTGGAGGGGTAACGGCCCACCAAGGCAATGATCAGTAGCCGGTCTGAGAGGA TGAACGGCCACATTGGGACTGAGACACGGCCCAAACTCCTACGGGAGGCAGC AGTGGGGAATCTTCCGCAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGA GTGATCACGGCCTTCGGGTTGTAAAGCTCTGTTAATCGGGACGAATGGTCTTT GTGTGAACAATGCAAAGATTTGACGGTACCGGAATAGAAAGCCACGGCTAAC TACGTGCCAGCAGCCGCAGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTAT TGGGCGTAAAGCGCGCGCAGGCGGTTTTGCAAGTCTGTCTTAAAAGTTCGGGG CTCAACCCCGTGATGGGATGGAAACTGTGGAACTAGAGTATCGGAGAGGAAA GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAG TGGCGAAGGCGGCTTTCTGGACGACAACTGACGCTGAGGCGCGAAAGCCAGG GGAGCGAACGGGATTAGATACCCCGGTAGTCCTGGCCGTAAACGATGGGTAC TAGGTGTAGGAGGTATCGACCCCCTTTGTGCCGGAGTTGACGCAATAAGTACC CCGCCTGGGGAGTACGGTCGCACGGGTGAAACTCTAAGGAATTGACGGGGGC CCGCACACGCGGTGGAGTACGTGGTTTAATTTGACGCAACGCGAAGAGCCCTT CCAGGTCTCGACACTGATGGACGAAACAAGAGATTGTTTTTCTCCCTCGGGAG CCAGAAAACAGGTGGTGCACGGCTGTCGTCAGCTCGTGTCGTGAGATGTTGGG TTAAGTCCCGCAACGAGCGCAACCCCTATCTTATGTTGCCAGCACTTCGGGTG GGAACTCATGAGAGACTGCCGCAGACAATGCGGAGGAAGGCGGGGATGACG TCAAGTCATCATGCCCCTTATGACCTGGGCTACACACGTACTACAATAGGCTT TAATAGAGGGACGCGAAGCCGCGAGGTGGAGCAAACCCCAGAAACAAGCTCT CAGTTCGGATCGTAGGCTGCAACTCGCCTACGTGAAGTCGGAATCGCTAGTAA TCGCAGGTCAGCATACTGCGGTGAATACGTTCCCGGGCCTTGCACACACCGCC CGTCA

The major OTUs were arranged in order of abundance at each dietary animal protein medium.

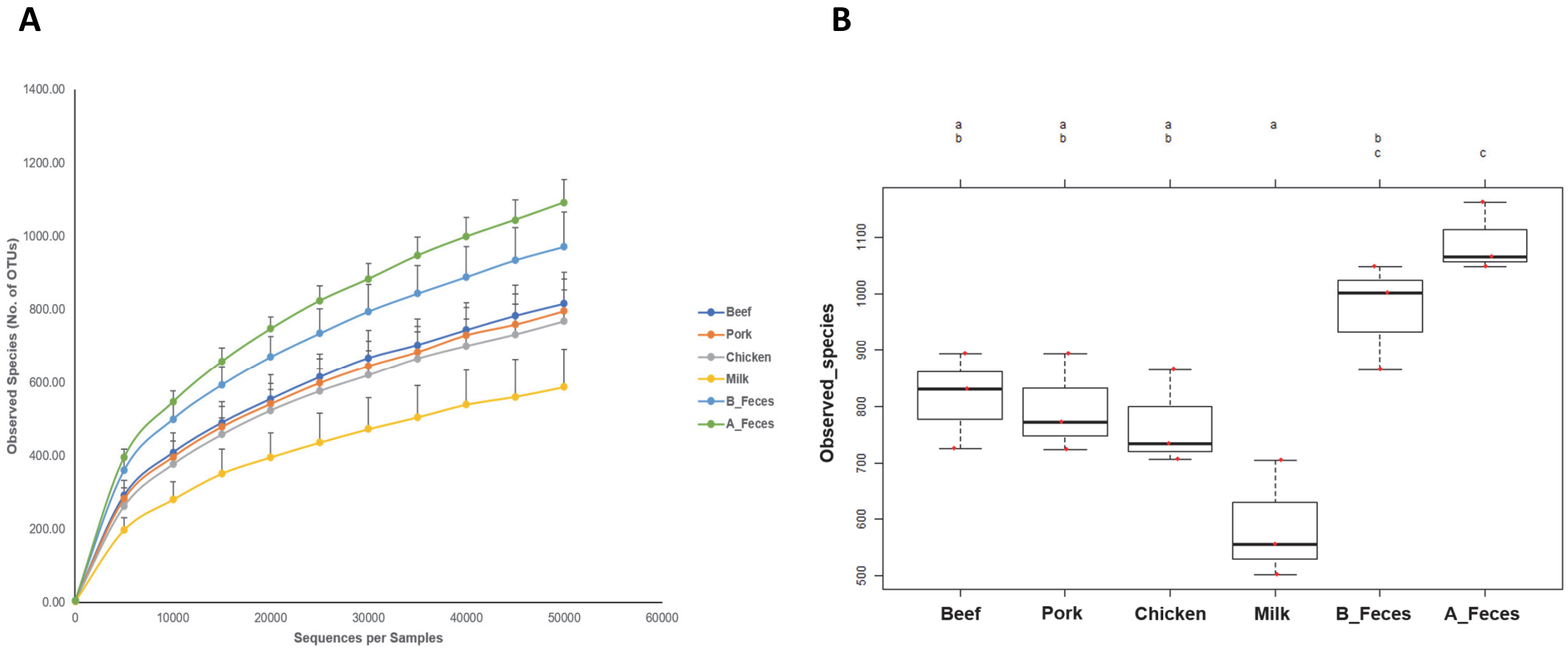

Figure S1. Rarefaction analysis observed species (No. of OTUs) from the different animal protein groups. (A) The lines indicate the mean and the error bars represent standard deviations. Colors mean: *blue* Beef, *orange* Pork, *gray* Chicken, *yellow* Milk, *sky blue* B_Feces, and *green* A_Feces. (B) This graph shows randomly selected OTUs in 50000 reads. Red dots mean each sample. a, b , c represents that difference is significant at 0.05 level.

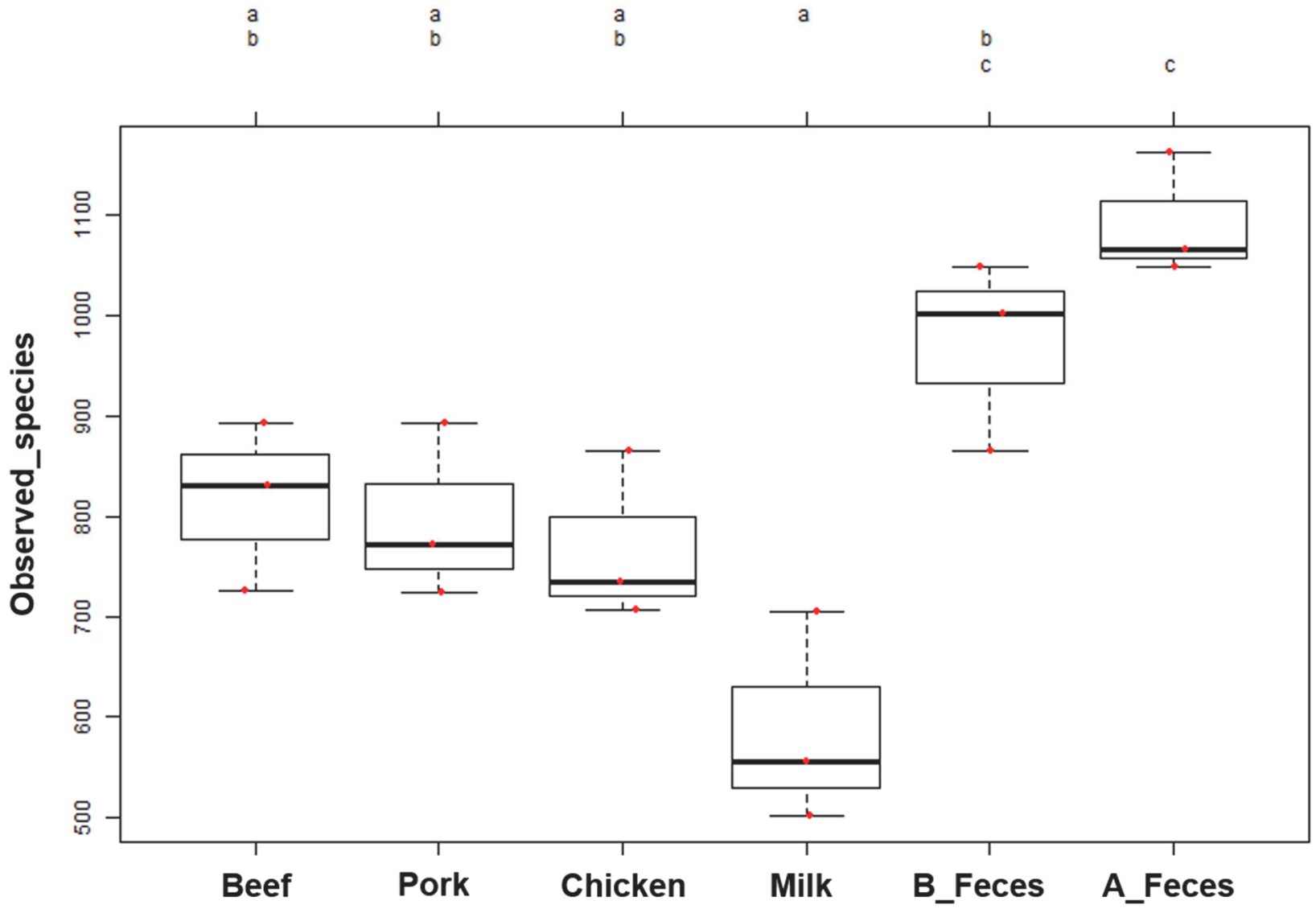

Figure S2. Rarefaction analysis observed species (No. of OTUs) from the different animal protein groups. This graph shows randomly selected OTUs in 50000 reads. Red dots mean each sample. a, b , c represents that difference is significant at 0.05 level.