

## Supplementary

After preparation of the experimental diets, their nutritional content was analyzed in order to confirm comparable nutrient levels in all of the tested diets.

**Table S1.** Nutritional content of the tested diets.

	Diet 1	Diet 2	Diet 3	Diet 4	Diet 5
CRUDE PROT (%)	23.7	23.6	23.6	23.6	23.6
FAT (%)	7.0	5.8	5.8	5.7	5.8
ASH (%)	5.3	5.4	5.4	5.3	5.4
CRUDE FIBER (%)	6.9	6.2	6.2	6.3	6.2
CELLULOSE (%)	4.1	4.5	4.5	4.5	4.5
HEMI-CELLULOSE (%)	5.4	6.3	6.3	6.4	6.3
LIGNIN (%)	2.9	2.7	2.7	2.6	2.7
ADF (%)	8.8	8.1	8.1	8.0	8.1
NDF (%)	15.3	14.8	14.8	14.9	14.8
NON-N-EXTRACT (%)	43.2	45.8	45.8	48.0	45.8
SUGAR (%)	1.5	1.9	1.9	1.9	1.9
STARCH ac hydr (%)	32.2	35.0	35.0	36.9	35.0
CALCIUM (%)	1.00	1.00	1.00	1.00	1.00
PHOSPHORUS (%)	0.63	0.63	0.63	0.63	0.63
PHOSPHORUS av (%)	0.35	0.35	0.35	0.35	0.35
CHLORINE (%)	0.30	0.31	0.31	0.31	0.31
MAGNESIUM (%)	0.19	0.19	0.19	0.19	0.19
POTASSIUM (%)	0.80	0.73	0.73	0.71	0.73
SODIUM (%)	0.28	0.28	0.28	0.28	0.28
SULPHUR (%)	0.18	0.19	0.19	0.19	0.19
COPPER (mg)	18.56	18.12	18.12	17.54	18.12
IODINE (mg)	1.26	1.27	1.27	1.26	1.27
IRON (mg)	108	110	110	108	110
MANGANESE (mg)	81	86	86	86	86
SELENIUM (mg)	0.60	0.59	0.59	0.57	0.59
ZINC (mg)	66	71	71	72	71
NICKEL (mg)	1.39	1.62	1.62	1.68	1.62
FLUORINE (mg)	0.67	0.92	0.92	0.93	0.92
MOLYBDENUM (mg)	0.39	0.40	0.40	0.38	0.40
LYSINE (%)	1.28	1.28	1.28	1.28	1.28
METHIONINE (%)	0.50	0.50	0.50	0.50	0.50
CYSTEINE (%)	0.46	0.48	0.48	0.48	0.48
MET + CYS (%)	0.93	0.95	0.95	0.96	0.95
THREONINE (%)	0.95	0.91	0.91	0.88	0.91
TRYPTOPHAN (%)	0.25	0.25	0.25	0.25	0.25
ISOLEUCINE (%)	1.06	1.04	1.04	1.01	1.04
LEUCINE (%)	2.05	1.96	1.96	1.96	1.96
VALINE (%)	1.16	1.15	1.15	1.16	1.15
HISTIDINE (%)	0.50	0.50	0.50	0.52	0.50
ARGININE (%)	1.47	1.43	1.43	1.41	1.43
GLYCINE (%)	1.30	1.24	1.24	1.20	1.24
SERINE (%)	1.14	1.12	1.12	1.12	1.12

GLY + SER (%)	2.41	2.34	2.34	2.29	2.34
PHENYLALANINE (%)	1.28	1.25	1.25	1.22	1.25
TYROSINE (%)	0.86	0.82	0.82	0.81	0.82
PHE + TYROSINE (%)	2.12	2.05	2.05	2.01	2.05
ASPARTIC ACID (%)	1.86	1.79	1.79	1.70	1.79
GLUTAMIC ACID (%)	3.56	3.96	3.96	4.30	3.96
PROLINE (%)	1.60	1.65	1.65	1.70	1.65
ALANINE (%)	1.40	1.34	1.34	1.29	1.34

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