

Přílohy

V přílohách 12-I—XII jsou k dispozici doplňující statistické údaje k faktorům obsažených v minimálních adekvátních modelech pro jednotlivé hematologické parametry.

Příloha 12-I. Závislost hodnot H/L poměru na rodu; MAM: rod + věk + výživový stav + poruchy chování, n = 198, Chisq = 76,905, p < 0,001.

Formula: $\log(\text{HL} + 1) \sim \text{genus} + \text{ageN} + \text{masscat} + \text{Behav} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	1.98897	0.5793	3.433
genusAlisterus	-0.61385	0.80525	-0.762
genusAmazona	-0.49607	0.45378	-1.093
genusAnodorhynchus	-0.10057	0.57021	-0.176
genusAra	0.05143	0.47208	0.109
genusAratinga	-0.0978	0.84381	-0.116
genusCacatua	-0.25147	0.49829	-0.505
genusCoracopsis	0.15363	0.54237	0.283
genusDeropterus	0.32117	0.62667	0.513
genusDiopsittaca	-0.82059	0.84285	-0.974
genusEclectus	0.04084	0.51314	0.08
genusMelopsittacus	-0.44188	0.67725	-0.652
genusNeophema	0.09591	0.33659	0.285
genusNestor	1.48529	0.56454	2.631
genusNymphicus	-0.39416	0.68296	-0.577
genusPionites	0.36877	0.4782	0.771
genusPionus	-0.25613	0.47126	-0.544
genusPoicephalus	-0.08477	0.46924	-0.181
genusPsephotus	0.23704	0.34975	0.678
genusPsittacula	-0.21937	0.67767	-0.324
genusPsittacus	0.07443	0.45385	0.164
ageN	0.04414	0.01171	3.77
masscat	-0.20346	0.09494	-2.143
BehavYes	-0.46795	0.15773	-2.967

Příloha 12-II. Závislost hodnot relativních počtů bazofilů na rodu; MAM: rod + délka běháku + poruchy chování, n = 198, Chisq = 69,791, p < 0,001.

Formula: $\log(\text{B} + 1) \sim \text{genus} + \text{tars} + \text{Behav} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

Estimate	Std. Error	t value
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(Intercept)	-0.1359	0.362646	-0.375
genusAlisterus	0.901915	0.410595	2.197
genusAmazona	-0.19531	0.332889	-0.587
genusAnodorhynchus	-0.66556	0.596264	-1.116
genusAra	-0.48195	0.407699	-1.182
genusAratinga	0.771	0.572626	1.346
genusCacatua	-0.3067	0.363602	-0.843
genusCoracopsis	0.526897	0.434451	1.213
genusDeropterus	-0.11164	0.457784	-0.244
genusDiopsittaca	-0.32369	0.568282	-0.57
genusEclactus	0.473397	0.364323	1.299
genusForpus	0.094286	0.447179	0.211
genusMelopsittacus	0.708694	0.315291	2.248
genusNeophema	0.976573	0.349313	2.796
genusNeopsephotus	0.411423	0.56847	0.724
genusNestor	-0.78544	0.646551	-1.215
genusNymphicus	0.858808	0.398177	2.157
genusPionites	-0.40663	0.339863	-1.196
genusPionus	-0.00177	0.342863	-0.005
genusPoicephalus	0.228262	0.334162	0.683
genusPsephotus	1.390095	0.446616	3.113
genusPsittacula	0.348606	0.456778	0.763
genusPsittacus	-0.12719	0.352648	-0.361
tars	0.020992	0.01169	1.796
BehavYes	0.223863	0.11421	1.96

Příloha 12-III. Závislost hodnot relativních počtů eosinofilů na rodu; MAM: rod + infekční onemocnění + poruchy chování, n = 198, Chisq = 94,879, p < 0,001.

Formula: $\log(E + 1) \sim \text{genus} + \text{Infect} + \text{Behav} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	0.16595	0.23908	0.694
genusAlisterus	-0.16422	0.3699	-0.444
genusAmazona	0.30043	0.25398	1.183
genusAnodorhynchus	0.13678	0.37305	0.367
genusAra	0.03122	0.25784	0.121
genusAratinga	2.29417	0.50619	4.532
genusCacatua	-0.01132	0.27523	-0.041
genusCoracopsis	-0.49012	0.32975	-1.486
genusDeropterus	0.04063	0.35178	0.116
genusDiopsittaca	0.07404	0.50615	0.146
genusEclactus	0.0416	0.29705	0.14
genusForpus	0.04237	0.29465	0.144

genusMelopsittacus	-0.03706	0.24088	-0.154
genusNeophema	-0.01259	0.25073	-0.05
genusNeopsephotus	1.72712	0.39284	4.397
genusNestor	1.63465	0.37305	4.382
genusNymphicus	0.33359	0.2721	1.226
genusPionites	0.08021	0.28084	0.286
genusPionus	0.24419	0.27741	0.88
genusPoicephalus	0.17414	0.27297	0.638
genusPsephotus	0.33068	0.29465	1.122
genusPsittacula	0.18068	0.38785	0.466
genusPsittacus	0.32435	0.25104	1.292
InfectYes	-0.25139	0.10925	-2.301
BehavYes	-0.19349	0.10266	-1.885

Příloha 12-IV. Závislost hodnot relativních počtů monocytů na rodu; MAM: rod + chov (samostatně/pár/hejno) + granule jako složka stravy + autoimunitní poruchy, n = 198, Chisq = 71,344, p < 0,001.

Formula: Mbox.cox ~ genus + housed + granules + AutoIm + (1 | breeder) + (1 | year)

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	2.710921	0.637519	4.252
genusAlisterus	-0.15321	0.814805	-0.188
genusAmazona	-0.73047	0.587092	-1.244
genusAnodorhynchus	-1.46747	0.877208	-1.673
genusAra	-1.32516	0.593494	-2.233
genusAratinga	0.398503	1.119303	0.356
genusCacatua	0.277539	0.651317	0.426
genusCoracopsis	-0.08021	0.847143	-0.095
genusDeropterus	-2.35208	0.841264	-2.796
genusDiopsittaca	-0.94283	1.119303	-0.842
genusEclectus	-0.20894	0.674077	-0.31
genusForpus	-1.16937	0.804114	-1.454
genusMelopsittacus	-0.73808	0.631983	-1.168
genusNeophema	-1.05422	0.648016	-1.627
genusNeopsephotus	-2.46411	1.006936	-2.447
genusNestor	-2.3612	0.877208	-2.692
genusNymphicus	-1.43254	0.704301	-2.034
genusPionites	-0.76931	0.644921	-1.193
genusPionus	-1.19548	0.651697	-1.834
genusPoicephalus	-0.02849	0.63849	-0.045
genusPsephotus	-1.08033	0.804114	-1.343
genusPsittacula	0.070043	0.896658	0.078

genusPsittacus	-0.08831	0.589912	-0.15
housedpair	0.009933	0.321567	0.031
housedsingle	-0.46679	0.320239	-1.458
granulesYes	-0.4684	0.206035	-2.273
AutoImYes	2.255806	0.768706	2.935

Příloha 12-V. Závislost hodnot absolutních počtů leukocytů na rodu; MAM: rod + ovoce a zelenina jako složka stravy + délka běháku + infekční onemocnění; n = 124, Chisq = 59,125, p < 0,001.

Formula: $\log(\text{Leu} + 1) \sim \text{genus} + \text{vegfruit} + \text{tars} + \text{Infect} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	2.13216	0.44945	4.744
genusAlisterus	-0.12911	0.56826	-0.227
genusAmazona	0.79948	0.39845	2.006
genusAnodorhynchus	0.93774	0.69377	1.352
genusAra	1.20358	0.48223	2.496
genusAratinga	0.47123	0.64736	0.728
genusCacatua	0.64603	0.42035	1.537
genusCoracopsis	1.05558	0.51207	2.061
genusDeropterus	1.49963	0.60206	2.491
genusDiopsittaca	1.00619	0.64428	1.562
genusEclactus	0.44988	0.43587	1.032
genusMelopsittacus	-1.24976	0.63081	-1.981
genusNeophema	0.03309	0.35795	0.092
genusNestor	1.69742	0.75938	2.235
genusNymphicus	-0.50933	0.61938	-0.822
genusPionites	0.82695	0.41749	1.981
genusPionus	2.00003	0.64695	3.091
genusPoicephalus	0.24209	0.41498	0.583
genusPsephotus	0.62129	0.38775	1.602
genusPsittacula	1.19747	0.50987	2.349
genusPsittacus	0.78555	0.41404	1.897
vegfruitYes	0.34506	0.18351	1.88
tars	-0.02711	0.01431	-1.894
InfectYes	0.25999	0.14621	1.778

Příloha 12-VI. Závislost hodnot absolutních počtů lymfocytů na rodu; MAM: rod + umístění (uvnitř/vně) + chovné zařízení (voliéra/klec) + ovoce a zelenina jako složka stravy + autoimunitní porucha; n = 124, Chisq = 4,6377, p = 0,031.

Formula: $\log(aL + 1) \sim \text{genus} + \text{facility} + \text{aviary} + \text{vegfruit} + \text{AutoIm} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	0.50849	0.32118	1.583
genusAlisterus	-0.35625	0.50773	-0.702
genusAmazona	0.49952	0.31339	1.594
genusAnodorhynchus	-0.29401	0.42143	-0.698
genusAra	0.2329	0.30704	0.759
genusAratinga	0.02634	0.54733	0.048
genusCacatua	0.2349	0.34208	0.687
genusCoracopsis	0.08235	0.38152	0.216
genusDeropterus	0.09741	0.49336	0.197
genusDiopsittaca	1.56577	0.54733	2.861
genusEclectus	-0.02839	0.35786	-0.079
genusMelopsittacus	-0.48071	0.54733	-0.878
genusNeophema	-0.2937	0.30823	-0.953
genusNestor	-0.58812	0.42143	-1.396
genusNymphicus	-1.28373	0.75114	-1.709
genusPionites	0.61012	0.35566	1.715
genusPionus	0.46049	0.54928	0.838
genusPoicephalus	-0.18257	0.3633	-0.503
genusPsephotus	-0.07361	0.33715	-0.218
genusPsittacula	0.50285	0.44061	1.141
genusPsittacus	-0.21822	0.31346	-0.696
facilityout	0.49088	0.19567	2.509
aviarycage	0.44654	0.18536	2.409
vegfruitYes	0.27709	0.14511	1.91
AutolmYes	1.03404	0.49709	2.08

Příloha 12-VII. Závislost hodnot absolutních počtů heterofilů na autoimunitních poruchách; MAM: infekční onemocnění + autoimunitní poruchy; n = 124, Chisq = 10,393, p = 0,005.

Formula: $\log(aH + 1) \sim \text{Infect} + \text{Autolm} + (1 \mid \text{breeder}) + (1 \mid \text{year})$

Fixed effects:

Estimate	Std. Error	t value
(Intercept) 1.9445	0.149	13.049
InfectYes 0.3799	0.1682	2.259
AutolmYes -1.1285	0.4967	-2.272

Příloha 12-VIII. Závislost hodnot absolutních počtů bazofilů na rodu; MAM: rod + chov (samostatně/pár/hejno); n = 124, Chisq = 49,959, p < 0,001.

Formula: $\log(aB + 1) \sim \text{genus} + \text{housed} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	-0.0491	0.07913	-0.62
genusAlisterus	0.13878	0.09926	1.398
genusAmazona	0.02231	0.06841	0.326
genusAnodorhynchus	0.01277	0.0988	0.129
genusAra	0.05284	0.06816	0.775
genusAratinga	0.17527	0.12767	1.373
genusCacatua	0.03011	0.07477	0.403
genusCoracopsis	0.30062	0.09549	3.148
genusDeropterus	0.19382	0.1253	1.547
genusDiopsittaca	-0.03714	0.1273	-0.292
genusEclectus	0.12641	0.07687	1.644
genusMelopsittacus	0.05337	0.1342	0.398
genusNeophema	0.19382	0.09205	2.106
genusNestor	0.01864	0.0988	0.189
genusNymphicus	0.05282	0.12514	0.422
genusPionites	-0.01967	0.07964	-0.247
genusPionus	0.04832	0.13375	0.361
genusPoicephalus	0.04958	0.0807	0.614
genusPsephotus	0.43909	0.10973	4.001
genusPsittacula	0.25159	0.10327	2.436
genusPsittacus	0.06537	0.06784	0.963
housedpair	0.05881	0.04799	1.225
housedsingle	0.08546	0.04731	1.806

Příloha 12-IX. Závislost hodnot absolutních počtů eosinofilů na rodu; MAM: rod + ovoce a zelenina jako složka stravy + poruchy chování + infekční onemocnění; n = 124, Chisq = 103,29, p < 0,001.

Formula: $\log(aE + 1) \sim \text{genus} + \text{vegfruit} + \text{Infect} + \text{Behav} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	-0.04943	0.055561	-0.89
genusAlisterus	0.00447	0.076124	0.059
genusAmazona	0.074201	0.053032	1.399
genusAnodorhynchus	-0.00012	0.075809	-0.002

genusAra	0.038642	0.052228	0.74
genusAratinga	0.722937	0.098846	7.314
genusCacatua	0.067565	0.056574	1.194
genusCoracopsis	0.052016	0.063447	0.82
genusDeropterus	0.00447	0.096114	0.047
genusDiopsittaca	0.045404	0.098795	0.46
genusEclectus	0.07003	0.059571	1.176
genusMelopsittacus	0.000235	0.095999	0.002
genusNeophema	-0.00012	0.067818	-0.002
genusNestor	0.359582	0.075809	4.743
genusNymphicus	0.134318	0.09979	1.346
genusPionites	0.048381	0.062755	0.771
genusPionus	0.505989	0.098795	5.122
genusPoicephalus	0.069655	0.06166	1.13
genusPsephotus	0.026505	0.075809	0.35
genusPsittacula	0.076386	0.075847	1.007
genusPsittacus	0.099008	0.050791	1.949
vegfruitYes	0.047905	0.027862	1.719
InfectYes	-0.04552	0.023692	-1.921
BehavYes	-0.04913	0.021156	-2.322

Příloha 12-X. Závislost hodnot absolutních počtů monocytů na rodu; MAM: rod + věk + poruchy chování + chov (samostatně/pár/hejno); n = 124, Chisq = 55,715, p < 0,001.

Formula: aMbc ~ genus + age + housed + Behav + (1 | breeder) + (1 | year)

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	0.17917	0.13029	1.375
genusAlisterus	-0.08976	0.1299	-0.691
genusAmazona	0.0344	0.08912	0.386
genusAnodorhynchus	-0.13827	0.128	-1.08
genusAra	-0.05563	0.08902	-0.625
genusAratinga	0.19275	0.16686	1.155
genusCacatua	0.15894	0.0978	1.625
genusCoracopsis	0.04629	0.12355	0.375
genusDeropterus	-0.25589	0.16321	-1.568
genusDiopsittaca	0.21423	0.16766	1.278
genusEclectus	0.05307	0.10156	0.522
genusMelopsittacus	-0.30432	0.17525	-1.736
genusNeophema	-0.11322	0.12107	-0.935
genusNestor	-0.2054	0.128	-1.605
genusNymphicus	-0.08308	0.16274	-0.511
genusPionites	0.03416	0.1048	0.326

genusPionus	0.40195	0.1777	2.262
genusPoicephalus	0.08041	0.1072	0.75
genusPsephotus	-0.09751	0.14771	-0.66
genusPsittacula	0.15529	0.13452	1.154
genusPsittacus	0.10023	0.08992	1.115
age	0.08519	0.04034	2.112
housedpair	-0.09106	0.0626	-1.455
housedsingle	-0.15971	0.06225	-2.565
BehavYes	-0.07931	0.03594	-2.207

Příloha 12-XI. Závislost hodnot absolutních počtů erytrocytů na rodu; MAM: rod + pohlaví + datum odběru + umístění (uvnitř/vně) + chov (samostatně/pár/hejno) + výživový stav + autoimunitní poruchy; n = 139, Chisq = 90,685, p < 0,001.

Formula: Ery² ~ genus + sex + date + facility + housed + masscat + AutoIm + (1 | breeder) + (1 | year)

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	-3.07222	3.301728	-0.93
genusAlisterus	3.498693	3.085791	1.134
genusAmazona	1.920601	2.298033	0.836
genusAnodorhynchus	-7.55783	3.341776	-2.262
genusAra	3.938446	2.312373	1.703
genusAratinga	2.780476	4.206575	0.661
genusCacatua	4.743479	2.540921	1.867
genusCoracopsis	2.364431	3.444526	0.686
genusDeropterus	4.00164	4.517407	0.886
genusDiopsittaca	11.41472	4.197766	2.719
genusEclectus	1.130633	2.565295	0.441
genusForpus	2.111443	3.820294	0.553
genusMelopsittacus	5.58311	3.073173	1.817
genusNeophema	-4.38643	3.274305	-1.34
genusNeopsephotus	5.309045	4.548274	1.167
genusNestor	-6.27543	3.341776	-1.878
genusNymphicus	6.065819	3.021979	2.007
genusPionites	2.24272	2.607929	0.86
genusPionus	-4.34381	4.545009	-0.956
genusPoicephalus	2.925096	2.723171	1.074
genusPsephotus	10.65946	4.548123	2.344
genusPsittacula	2.160642	3.498692	0.618
genusPsittacus	4.654985	2.301743	2.022
sexM	0.968267	0.664644	1.457
date	0.005613	0.003373	1.664
facilityout	3.387396	0.907709	3.732

housedpair	0.722337	1.755172	0.412
housedsingle	2.578302	1.680208	1.535
masscat	1.463416	0.527048	2.777
AutoImYes	4.884796	2.927826	1.668
AutoImYes	4.884796	2.927826	1.668

Příloha 12-XII. Závislost hodnot MCHC na umístění; MAM: umístění (uvnitř/vně) + ovoce a zelenina jako složka stravy; n = 104, Chisq = 9,364, p = 0,025.

Formula: $MCHC^2 \sim \text{facility} + \text{vegfruit} + (1 | \text{breeder}) + (1 | \text{year})$

Fixed effects:

	Estimate	Std. Error	t value	
(Intercept)	114712	9258	12.39	
facilityout	-5308	6102	-0.87	
vegfruitYes	-16651	8159	-2.041	

V přílohách 12-XIII—XXIV jsou uvedeny statisticky popsané závislosti hodnot hematologických parametrů na testovaných proměnných včetně vlivu fylogeneze.

Příloha 12-XIII. Závislost hodnot H/L poměru na testovaných proměnných se zahrnutým vlivem fylogeneze; sex (pohlaví), ageN (věk uvedený číselně)/ age (věk uvedený hodnotou: mládě/dospělec), date (datum), facility (umístění), aviary (chovné zařízení), housed (sociální typ chovu), granules (granule jako složka stravy), grain (zrny jako složka stravy), vegfruit (ovoce a zelenina jako složka stravy), tars (délka běháku), masscat (výživový stav), Infect (infekční onemocnění), Dig (metabolické poruchy), AutoIm (autoimunitní poruchy), Beh (poruchy chování); n = 198.

Location effects: HL ~ sex + ageN + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + AutoIm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC	
(Intercept)	7.924856	1.419044	14.68312	10342	0.0196	*
sexM	0.171259	-0.48898	0.788767	9998	0.5973	
ageN	0.191507	0.077099	0.31233	9673	0.0016	**
date	-0.003598	-0.01095	0.003712	9998	0.3231	
facilityIN	2.341729	-2.24636	6.470664	9445	0.2937	
facilityout	0.685853	-1.5833	3.122681	10891	0.5699	
aviarycage	-0.162808	-3.21372	2.519661	10377	0.9112	
housedpair	0.507528	-1.38502	2.446737	9998	0.5943	
housedsingle	1.141929	-1.53847	3.964175	9998	0.4187	
granulesYes	0.437553	-1.12787	1.928568	9998	0.5745	
grainYes	0.88573	-1.9723	3.600378	9998	0.5365	
vegfruitYes	-1.007538	-3.40991	1.521632	9998	0.4163	
tars	0.027414	-0.05476	0.109615	9998	0.5095	
masscat	-1.21571	-2.0956	-0.31362	9998	0.0076	**
InfectYes	1.629758	-0.3904	3.660383	9998	0.1144	
Dig	-0.247113	-1.51501	1.097102	9998	0.7181	
AutoImYes	-1.346801	-6.08909	3.330877	9998	0.5749	
Beh	-1.459189	-2.55008	-0.41949	9998	0.0076	**

Příloha 12-XIV. Závislost hodnot relativních počtů bazofilů (%) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 198.

Location effects: B ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + AutoIm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	-0.27457	-3.00146	2.353125	9998	0.836
sexM	0.072286	-0.32004	0.472805	9998	0.716
age	0.077737	-0.45861	0.638105	9998	0.781
date	0.000712	-0.00236	0.003765	9998	0.667
facilityout	0.578526	-0.35624	1.466514	9998	0.212
aviarycage	0.471978	-0.52961	1.534828	9998	0.36

housedpair	-0.15541	-0.88058	0.570137	8989	0.66
housedsingle	0.179162	-0.76073	1.131378	9998	0.718
granulesYes	-0.30713	-0.85038	0.242179	9998	0.269
grainYes	0.159581	-0.7768	1.100424	9998	0.746
vegfruitYes	0.213919	-0.57248	0.999397	9998	0.598
tars	0.002924	-0.02941	0.037919	9998	0.872
masscat	0.019003	-0.31848	0.36176	9998	0.914
InfectYes	-0.18874	-0.84418	0.444895	9998	0.558
Dig	0.076424	-0.38472	0.558965	9998	0.744
AutolmYes	1.258549	-0.79872	3.342451	9998	0.232
Beh	0.273935	-0.07123	0.634451	9998	0.128

Příloha 12-XV. Závislost hodnot relativních počtů eosinofilů (%) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 198.

Location effects: E ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + Autolm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	-0.45055	-2.66369	2.029277	9998	0.6793
sexM	-0.22636	-0.57926	0.128148	9998	0.2092
age	0.163759	-0.35208	0.660957	9998	0.5363
date	-0.00013	-0.00265	0.002304	9998	0.9062
facilityout	0.074687	-0.77231	0.930009	9587	0.8588
aviarycage	-0.03123	-0.99298	0.903089	9998	0.9544
housedpair	0.256438	-0.395	0.974219	9998	0.4583
housedsingle	0.690445	-0.20926	1.562662	10462	0.1254
granulesYes	-0.36096	-0.91382	0.202804	9998	0.2086
grainYes	-0.44538	-1.35597	0.543652	9998	0.3615
vegfruitYes	0.206231	-0.48253	0.889012	9998	0.5607
tars	0.007045	-0.02214	0.035607	9998	0.6249
masscat	0.216	-0.09871	0.533963	9998	0.1806
InfectYes	-0.29776	-0.92459	0.35649	9998	0.3577
Dig	0.018828	-0.43518	0.474788	9508	0.9444
AutolmYes	1.67781	-0.20804	3.592878	9998	0.081 .
Beh	-0.30937	-0.65557	0.037955	9998	0.0842 .

Příloha 12-XVI. Závislost hodnot relativních počtů monocytů (%) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 198.

Location effects: M ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + Autolm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC	
(Intercept)	4.748005	-0.51128	10.35245	9594	0.0814	.
sexM	-0.50068	-1.28739	0.271853	9998	0.2142	
age	0.249632	-0.90118	1.433963	9998	0.6851	
date	0.000124	-0.00541	0.005995	9998	0.9568	
facilityout	-1.31461	-3.30712	0.695473	9386	0.195	
aviarycage	-1.03816	-3.20413	1.282658	9998	0.3605	
housedpair	-0.50297	-2.08181	1.077058	9998	0.5271	
housedsingle	-1.32255	-3.28214	0.732248	9495	0.199	
granulesYes	-0.86676	-2.20164	0.415615	9998	0.195	
grainYes	0.765884	-1.41309	2.962101	9998	0.4965	
vegfruitYes	0.300361	-1.34762	1.929442	9998	0.7173	
tars	-0.01969	-0.08771	0.054821	9197	0.5781	
masscat	0.164077	-0.56029	0.933085	9998	0.6597	
InfectYes	0.605316	-0.96083	2.089469	9998	0.4387	
Dig	0.611928	-0.44199	1.666984	9998	0.2557	
AutoImYes	6.289205	1.903287	10.8157	8783	0.0062	**
Beh	-0.26987	-1.08761	0.523341	9998	0.5171	

Příloha 12-XVII. Závislost hodnot absolutních počtů leukocytů (109/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 124.

Location effects: Leu ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + AutoIm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC	
(Intercept)	14.47463	-4.9521	33.07119	9998	0.126	
sexM	0.631688	-2.09702	3.433449	9998	0.6539	
age	-1.33915	-5.08977	2.596688	9998	0.4957	
date	-0.00726	-0.0281	0.013262	9998	0.5161	
facilityIN	-1.4387	-10.6287	7.065421	9998	0.7411	
facilityout	3.722747	-1.95475	9.683803	9998	0.2146	
aviarycage	3.751113	-3.00537	10.36877	9998	0.2731	
housedpair	-1.50011	-6.61885	3.263359	9805	0.5481	
housedsingle	-4.14591	-10.607	2.028445	9311	0.2008	
granulesYes	1.512871	-2.36278	5.661144	9998	0.4613	
grainYes	2.618019	-4.21995	9.242155	9998	0.4493	
vegfruitYes	1.948616	-3.46394	7.503568	9998	0.4923	
tars	-0.01861	-0.26946	0.233634	9360	0.9044	
masscat	-1.38585	-3.68491	0.886365	9998	0.2316	
InfectYes	7.184727	2.660468	11.73181	10258	0.0026	**

Dig	1.806433	-1.35674	4.937418	9998	0.2621
AutolmYes	-5.53069	-17.355	6.665484	9998	0.3575
Beh	0.14176	-2.23113	2.406714	9998	0.8968

Příloha 12-XVIII. Závislost hodnot absolutních počtů lymfocytů (109/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 124.

Location effects: aL ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + Autolm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	3.985174	-1.19968	9.402405	9998	0.1384
sexM	-0.02183	-0.79105	0.758232	10090	0.953
age	-1.02784	-2.19986	0.152375	9998	0.0804
date	-0.00018	-0.00516	0.004973	9998	0.9496
facilityIN	-0.75825	-3.38795	1.951897	9998	0.5747
facilityout	0.486622	-1.31285	2.281808	9998	0.5941
aviarycage	0.299377	-1.7468	2.252101	9998	0.7708
housedpair	-0.63584	-2.18749	0.843043	9998	0.4091
housedsingle	-0.39093	-2.30675	1.472296	9548	0.6845
granulesYes	0.326047	-0.89901	1.531082	9998	0.6003
grainYes	0.392688	-1.6914	2.484704	9998	0.7167
vegfruitYes	0.963704	-0.55673	2.66149	9666	0.2418
tars	-0.04884	-0.11796	0.02449	9998	0.1692
masscat	0.32527	-0.35288	0.962018	9998	0.3279
InfectYes	0.577598	-0.84153	1.902909	9998	0.4091
Dig	0.173592	-0.78539	1.093417	10383	0.7225
AutolmYes	-0.44473	-4.07011	2.962933	9998	0.7968
Beh	0.28113	-0.42335	0.974096	9998	0.4355

Příloha 12-XIX. Závislost hodnot absolutních počtů heterofilů (109/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 124.

Location effects: aH ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + Autolm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	9.046473	-7.05651	25.77409	9402	0.2563
sexM	0.544383	-2.01878	3.266956	9581	0.6771
age	-0.07457	-3.54813	3.423715	10644	0.9748
date	-0.00695	-0.02564	0.010559	9998	0.4685
facilityIN	-0.58512	-8.32769	7.215393	9998	0.8906
facilityout	3.096835	-1.98256	8.506943	9998	0.2402
aviarycage	3.918331	-2.12416	9.632279	9453	0.1878

housedpair	-1.15173	-5.80396	3.218517	10126	0.6123	
housedsingle	-4.26984	-9.97076	1.208171	9998	0.1384	
granulesYes	1.294405	-2.35355	4.757929	9998	0.4775	
grainYes	2.137163	-4.04036	8.003714	9998	0.4743	
vegfruitYes	1.173852	-3.57588	6.13053	9998	0.6393	
tars	0.032547	-0.18966	0.231322	9542	0.7485	
masscat	-1.6519	-3.74618	0.304772	9998	0.11	
InfectYes	5.778144	1.764316	9.64016	9998	0.0034	**
Dig	1.594431	-1.29817	4.431988	10330	0.2659	
AutolmYes	-5.2195	-16.2903	5.420657	9998	0.3497	
Beh	-0.06332	-2.05054	2.034035	9998	0.9624	

Příloha 12-XX. Závislost hodnot absolutních počtů bazofilů (109/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 124.

Location effects: aB ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + Autolm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	-6.08E-02	-5.13E-01	3.92E-01	9998	0.764
sexM	-3.23E-02	-9.06E-02	2.39E-02	9998	0.264
age	5.62E-03	-7.12E-02	8.70E-02	9998	0.893
date	3.01E-04	-8.82E-05	6.87E-04	9998	0.12
facilityIN	-9.69E-03	-1.79E-01	1.50E-01	9998	0.909
facilityout	7.67E-02	-4.48E-02	2.02E-01	9998	0.221
aviaryage	5.52E-02	-7.54E-02	1.95E-01	9998	0.431
housedpair	-7.76E-02	-1.86E-01	4.01E-02	10584	0.181
housedsingle	-1.20E-02	-1.43E-01	1.29E-01	9998	0.856
granulesYes	2.53E-02	-5.32E-02	9.97E-02	9998	0.495
grainYes	6.24E-02	-6.92E-02	1.93E-01	10720	0.347
vegfruitYes	-4.76E-03	-1.09E-01	9.94E-02	9998	0.931
tars	1.14E-03	-3.73E-03	5.75E-03	9998	0.626
masscat	-1.41E-02	-5.83E-02	2.72E-02	9998	0.521
InfectYes	3.41E-02	-5.40E-02	1.17E-01	10286	0.435
Dig	3.10E-02	-3.26E-02	8.99E-02	9818	0.314
AutolmYes	9.95E-02	-1.45E-01	3.33E-01	9998	0.408
Beh	2.39E-02	-1.84E-02	6.99E-02	10357	0.281

Příloha 12-XXI. Závislost hodnot absolutních počtů eosinofilů (109/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 124.

Location effects: aE ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + Autolm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	1.87E-01	-2.93E-01	6.91E-01	9998	0.415
sexM	-1.30E-02	-6.50E-02	3.72E-02	9998	0.612
age	1.40E-02	-5.78E-02	8.61E-02	9998	0.693
date	4.12E-05	-2.99E-04	3.70E-04	9998	0.807
facilityIN	3.90E-02	-1.01E-01	1.75E-01	9998	0.579
facilityout	-2.58E-02	-1.47E-01	1.01E-01	9998	0.686
aviarycage	-3.34E-02	-1.62E-01	9.70E-02	9998	0.61
housedpair	-1.82E-02	-1.38E-01	1.06E-01	9998	0.769
housedsingle	-2.39E-03	-1.40E-01	1.34E-01	9673	0.973
granulesYes	-1.85E-02	-8.98E-02	4.89E-02	7722	0.587
grainYes	-3.84E-02	-1.61E-01	8.24E-02	9681	0.544
vegfruitYes	4.81E-02	-4.40E-02	1.40E-01	9998	0.31
tars	-3.21E-03	-8.33E-03	2.13E-03	9998	0.233
masscat	1.83E-02	-1.99E-02	5.66E-02	9998	0.349
InfectYes	-3.89E-03	-8.24E-02	7.38E-02	9998	0.921
Dig	1.62E-02	-3.84E-02	6.88E-02	10883	0.552
AutoImYes	-2.96E-02	-2.70E-01	1.91E-01	9998	0.791
Beh	-2.95E-02	-6.84E-02	9.31E-03	9998	0.138

Příloha 12-XXII. Závislost hodnot absolutních počtů monocytů (109/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 124.

Location effects: aM ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + AutoIm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	1.053645	-0.39183	2.499024	9998	0.148
sexM	-0.09484	-0.27016	0.089017	9998	0.2885
age	-0.08814	-0.39578	0.22603	9998	0.5817
date	-0.00012	-0.0016	0.001423	10361	0.8754
facilityIN	-0.22718	-0.98791	0.494516	9998	0.5425
facilityout	-0.05516	-0.48039	0.398198	9998	0.8016
aviarycage	0.022163	-0.50085	0.546531	9998	0.9374
housedpair	-0.34087	-0.70564	0.038843	9998	0.0618 .
housedsingle	-0.58829	-1.0802	-0.08056	9998	0.02 *
granulesYes	-0.136	-0.4608	0.189938	9603	0.4159
grainYes	0.162598	-0.37517	0.720165	9998	0.5521
vegfruitYes	-0.10611	-0.54603	0.321118	9998	0.6301
tars	-0.00137	-0.02067	0.017967	9998	0.8742
masscat	0.015681	-0.15396	0.1822	9998	0.842
InfectYes	0.340903	-0.02019	0.696658	9998	0.0636 .
Dig	0.15944	-0.09517	0.405512	9998	0.2146
AutoImYes	-0.21928	-1.0756	0.608606	9610	0.6113

Beh -0.00321 -0.18981 0.180709 10323 0.9746

Příloha 12-XXIII. Závislost hodnot absolutních počtů erytrocytů (1012/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 139.

Location effects: Ery ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + AutoIm + Beh

	post.mean	l-95% CI	u-95% CI	ef	f.samp	pMCMC
(Intercept)	1.2923012	-1.0711954	3.481442		9998	0.261
sexM	0.2421965	-0.2083985	0.660686		10380	0.274
age	0.1466532	-0.3971239	0.707729		9998	0.599
date	0.0003417	-0.0019728	0.002614		9998	0.745
facilityIN	0.1929981	-1.0645792	1.368586		9998	0.769
facilityout	0.9665952	0.1285143	1.798912		10379	0.024 *
aviarycage	0.5789567	-0.363155	1.489963		10626	0.219
housedpair	-0.5702598	-1.271931	0.146015		9998	0.117
housedsingle	-0.213424	-1.0706649	0.626775		9998	0.616
granulesYes	0.0639002	-0.5199664	0.610121		9998	0.822
grainYes	0.6781385	-0.1905341	1.603097		9998	0.135
vegfruitYes	-0.2296142	-0.9194055	0.465844		9670	0.508
tars	-0.0150864	-0.0427212	0.013405		9697	0.284
masscat	0.2500806	-0.0659936	0.558003		9998	0.117
InfectYes	0.1884718	-0.4095128	0.793214		9998	0.54
Dig	0.0022639	-0.4252939	0.427996		9998	0.986
AutoImYes	0.9445573	-1.0364854	2.731304		9998	0.319
Beh	0.1088914	-0.2301977	0.436542		9998	0.516

Příloha 12-XXIV. Závislost hodnot MCHC (g/l) na testovaných proměnných se zahrnutým vlivem fylogeneze; n = 104.

Location effects: MCHC ~ sex + age + date + facility + aviary + housed + granules + grain + vegfruit + tars + masscat + Infect + Dig + AutoIm + Beh

	post.mean	l-95% CI	u-95% CI	eff.samp	pMCMC
(Intercept)	2.983e+02	1.805e+02	4.122e+02	9998	0.0020 **
sexM	-1.007e+00	-2.149e+01	1.900e+01	9998	0.9224
age	9.686e+00	-1.728e+01	3.830e+01	9998	0.4863
date	3.115e-03	-1.208e-01	1.294e-01	9635	0.9988
facilityout	-2.222e+01	-7.039e+01	2.471e+01	9320	0.3519
aviarycage	-2.082e+01	-7.495e+01	2.931e+01	9998	0.4241
housedpair	3.066e+01	-1.411e+01	7.347e+01	9998	0.1686
housedsingle	3.798e+01	-1.229e+01	8.713e+01	9998	0.1366
granulesYes	-1.283e+00	-2.766e+01	2.319e+01	9998	0.9110
grainYes	-5.019e+01	-9.807e+01	-2.654e+00	9998	0.0454 *
vegfruitYes	-2.030e+01	-5.390e+01	1.420e+01	10667	0.2418
tars	6.139e-01	-8.868e-01	2.123e+00	10301	0.4177

masscat	8.408e+00	-7.130e+00	2.219e+01	8814	0.2653
InfectYes	-1.268e+01	-4.072e+01	1.525e+01	9603	0.3693
Dig	1.321e+01	-5.427e+00	3.313e+01	9998	0.1722
AutoImYes	-1.473e+01	-9.468e+01	6.024e+01	10458	0.7085
Beh	-9.945e+00	-2.424e+01	4.699e+00	9998	0.1758