

Table 4a. Crude preliminary logistic regression analyses where only one independent variable in the model at a time with the response variable pure EGGD vs healthy horses (a subset of the data).

Variable No	Variable Subclasses	Standard error	Wald p-value	Odds ratio (95% CI)
1	Breed		0.003	
	Other breed vs Warmblood	0.696	0.001	0.106 (0.027-0.413)
	Other breed vs Finnhorse	0.983	0.015	0.091 (0.013-0.624)
	Warmblood vs Finnhorse	0.877	0.87	0.861 (0.154-4.799)
2	Sex (male vs female)	0.552	0.43	0.648 (0.220-1.914)
3	Forage location		0.55	
	Bucket vs ground	1.132	0.39	2.639 (0.287-24.243)
	Bucket vs hay net	1.483	0.28	5.000 (0.273-91.514)
	Ground vs hay net	1.039	0.54	1.895 (0.247-14.532)
4	Eating habits		0.48	
	With other horses vs other	1.326	0.88	1.222 (0.091-16.429)
	With other horses vs alone	0.717	0.25	2.276 (0.558-9.280)
	Other vs alone	1.193	0.602	1.862 (0.180-19.298)
5	Stable water communal vs ground well	0.528	0.59	1.333 (0.473-3.755)
	Paddock water		0.68	
6	Other vs ground well	1.063	0.60	0.571 (0.071-4.594)
	Other vs communal	1.096	0.42	0.412 (0.048-3.530)
	Ground well vs communal	0.577	0.57	0.721 (0.233-2.232)
7	Automatic water supply vs bucket	0.600	0.72	1.238 (0.382-4.008)
8	Loose housing system vs stable	0.953	0.78	0.760 (0.119-4.984)
9	Stable cleaning frequency 1 vs 2	0.706	0.13	0.340 (0.085-1.357)
10	Bedding material		0.69	
	Other vs peat	1.207	0.76	1.440 (0.135-15.329)
	Other vs shavings	1.316	0.40	2.999 (0.227-39.591)
	Other vs straw/straw pellets	1.297	0.89	1.200 (0.094-15.254)
	Peat vs shavings	0.723	0.31	2.083 (0.505-8.600)
	Peat vs straw/straw pellets	0.688	0.791	0.833 (0.216-3.210)
	Shavings vs straw/straw pellets	0.866	0.29	0.400 (0.073-2.184)
11	No. of horses in the stable		0.25	
	15 vs 21	0.726	0.066	0.263 (0.063-1.093)
	15 vs 3	0.822	1.00	1.000 (0.200-5.004)
	15 vs 7	0.709	0.80	0.833 (0.208-3.345)
	21 vs 3	0.868	0.12	3.800 (0.694-20.808)
	21 vs 7	0.762	0.13	3.167 (0.711-14.095)
	3 vs 7	0.853	0.83	0.833 (0.157-4.436)
12	No. Of caretakers		0.15	

	1-2 vs 3	0.581	0.91	1.071 (0.343-3.349)
	1-2 vs 4	0.859	0.073	0.214 (0.040-1.154)
	3 vs 4	0.862	0.062	0.200 (0.037-1.083)
	1-2 vs 4	0.810	0.052	0.207 (0.042-1.013)
13	No. Of owners		0.68	
	1 vs 2	0.815	0.56	0.625 (0.127-3.088)
	1 vs 3	0.815	0.56	0.625 (0.127-3.088)
	1 vs 4	1.217	0.22	0.208 (0.017-2.518)
	2 vs 3	0.655	1.00	1.000 (0.277-3.608)
	2 vs 4	1.175	0.35	0.333 (0.033-3.336)
	3 vs 4	1.175	0.35	0.333 (0.033-3.336)
14	Change of stable no vs yes	0.536	0.59	1.332 (0.466-3.805)
15	Traveling abroad no vs yes	1.254	0.99	0.976 (0.084-11.397)
16	Transporting frequency		0.93	
	Less than once/month vs very seldom	0.737	0.62	0.691 (0.163-2.933)
	Less than once/month vs once/month	0.603	0.54	0.691 (0.212-2.252)
	Less than once/month vs once/week	1.297	0.85	0.778 (0.061-9.885)
	Very seldom vs once/month	0.736	1.00	1.000 (0.236-4.231)
	Very seldom vs once/week	1.364	0.93	1.125 (0.078-16.307)
	Once/month vs once/week	1.296	0.93	1.125 (0.089-14.276)
17	Time spent outdoors 4 vs 6h/d	0.567	0.81	0.875 (0.288-2.658)
18	Sand paddock no vs yes	0.654	0.51	1.547 (0.429-5.573)
19	Grass paddock no vs yes	0.642	0.70	1.287 (0.365-4.530)
20	Other paddock no vs yes	0.881	0.76	0.760 (0.135-4.274)
21	Summer pasture no vs yes	0.747	0.75	1.267 (0.293-5.472)
22	Pasture time (months)		0.90	
	2 vs 3	0.754	0.69	0.738 (0.168-3.237)
	2 vs <= 3	0.780	0.60	0.667 (0.145-3.075)
	2 vs >= 4	0.953	0.85	1.200 (0.185-7.770)
	3 vs <= 1	0.726	0.89	0.903 (0.218-3.745)
	3 vs >= 4	0.909	0.59	1.625 (0.273-9.658)
	<= 1 vs >= 4	0.931	0.53	1.800 (0.290-11.161)
23	Training while on pasture no vs yes	0.703	0.89	0.905 (0.228-3.589)
24	Actively competing no vs yes	0.533	0.94	0.962 (0.339-2.731)
25	Showjumping vs dressage	0.795	0.78	1.250 (0.263-5.936)
26	No. Of riders		0.22	
	1 vs 2	0.609	0.92	0.937 (0.284-3.903)
	1 vs >= 3	0.886	0.098	0.231 (0.041-1.311)
	2 vs >= 3	0.860	0.10	0.246 (0.046-1.328)
27	1-2 vs >= 3	0.817	0.080	0.239 (0.048-1.188)
28	Previous gastric ulcer no vs yes	0.646	0.047	0.277 (0.078-0.982)
29	Sand enteropathy no vs yes	0.581	0.074	2.828 (0.905-8.833)

30	Weight loss no vs yes	0.566	0.75	0.833 (0.275-2.529)
31	Colic no vs yes	0.576	0.02	3.676 (1.188-11.376)
32	Diarrhoea no vs yes	0.533	0.923	0.950 (0.334-2.702)
33	Positive FEC no vs yes	0.753	0.743	0.782 (0.179-3.420)
34	Deworming		0.91	
	Twice/year vs less often than twice/year	1.205	0.69	0.616 (0.058-6.530)
	Twice/year vs min. 4 times/year	0.561	0.92	1.055 (0.351-3.169)
	Less often than twice/year vs min. 4 times/year	1.237	0.66	1.714 (0.152-19.348)
35	Use of antihelminths no vs yes	0.608	0.52	1.473 (0.448-4.846)
36	Vaccination against EHV no vs yes	0.755	0.59	0.667 (0.152-2.926)
37	Vaccination against rabies no vs yes	0.909	0.37	0.444 (0.075-2.637)
38	Use of NSAIDs no vs yes	0.544	0.95	1.037 (0.357-3.012)
39	Use of neutraceuticals for prevention of EGUS no vs yes	0.664	0.64	0.729 (0.198-2.681)
40	Hay vs haylage	0.647	0.62	1.385 (0.390-4.918)
41	Amount of hay/haylage kg/d		0.085	
	10-12 vs 5-7	1.197	0.016	17.999 (1.723-188.061)
	10-12 vs 8-9	0.801	0.61	1.500 (0.312-7.210)
	10-12 vs > 12	0.785	0.82	1.200 (0.257-5.593)
	5-7 vs 8-9	1.242	0.045	0.083 (0.007-0.950)
	5-7 vs > 12	1.232	0.028	0.067 (0.006-0.745)
	8-9 vs > 12	0.851	0.79	0.800 (0.151-4.245)
42	Amount of concentrate l/d		0.50	
	0.2-0.9 vs 1.0-1.5	0.957	0.67	0.667 (0.102-4.354)
	0.2-0.9 vs 1.6-2.0	0.975	0.82	0.800 (0.118-5.404)
	0.2-0.9 vs 2.1-3.5	1.304	0.22	0.200 (0.016-2.576)
	0.2-0.9 vs >3.6	1.041	0.085	0.167 (0.022-1.282)
	1.0-1.5 vs 1.6-2.0	0.931	0.85	1.200 (0.194-7.441)
	1.0-1.5 vs 2.1-3.5	1.271	0.34	0.300 (0.025-3.626)
	1.0-1.5 vs > 3.6	1.000	0.17	0.250 (0.035-1.775)
	1.6-2.0 vs 2.1-3.5	1.285	0.28	0.250 (0.020-3.100)
	1.6-2.0 vs > 3.6	1.017	0.12	0.208 (0.028-1.528)
	2.1-3.5 vs > 3.6	1.335	0.89	0.833 (0.061-11.417)
43	Gastroscopy			
	Hospitalized vs outpatient	0.564	0.14	0.438 (0.145-1.323)