Summary of g10s10 data set. We changed 100 randomly selected zeros to ones. We have used 5 chains with the smallest negative log-likelihood in the following analysis (log-likelihood within 1σ of the best chain).

$E\{c\} = 0.0190 \pm 0.0014$.

$E\{d\} = 0.4960 \pm 0.0115$.

$E\{-\log P(X \mid \theta)\} = 3786.6 \pm 24.3$.

$E\{\text{corr}(\pi, MN)\} = 0.949$.

$E\{\text{corr}(\pi, DBAGE)\} = -0.945$.

Out of randomly picked 1s, $12.5\ \%$ are false (1F).

Out of randomly picked 0s, $11.8\ \%$ are false (0F).

Out of dead (sites,genera) pairs, $1.9\ \%$ are false ($\hat{c}$).

Out of alive (sites,genera) pairs, $49.6\ \%$ are false ($\hat{d}$).

5 chains, average Hellinger dispersion is 0.002903.

In the following tables we show the site ordering. First we give the site index, used in the figures. Then we give the site name, followed by the MN classification and data base age. Star ("*") denotes a hard site.

Next we give and expectation and variance of the order number, $\pi(n)$. It is followed by number of ones in that site (1s). Next we give the expected number of genera alive on that site (AL). 1F and 0F denote the probability that any 0 or 1 associated with the site is false. $\hat{c}$ and $\hat{d}$ denote the probability of 1 or 0 when the species is dead or alive, respectively. $O_{n-1,n}$ denotes the probability that the site is actually older than the previous site. This number should usually be < 0.5.

n	Site [MN,DBAGE]	$E\{\pi\}$	1s	AL	1F	0F	$\hat{c}$	$\hat{d}$	$O_{n-1,n}$
1	Laugnac [2,21.38] *	1.274 ± 0.801	13	11.940	0.316954	0.024287	0.032429	0.256302	-
2	Wintershof West [3,19] *	2.329 ± 0.884	10	16.522	0.108200	0.058944	0.008834	0.460228	0.000000
3	Esvres Continental Sands [3,19.5]	3.338 ± 0.841	18	21.490	0.075667	0.040096	0.011590	0.225765	0.046200
4	Artenay [4,17.5]	5.230 ± 1.731	18	25.729	0.100722	0.078861	0.016006	0.370870	0.100400
5	Savigné sur Lathan [5,16.1]	5.385 ± 1.781	14	26.637	0.266557	0.130954	0.033212	0.614519	0.478000
6	Artesilla [4,17.5]	6.507 ± 1.371	16	26.258	0.156238	0.103725	0.022173	0.485871	0.191800
7	Els Casots [4,17.5]	7.513 ± 1.819	11	26.435	0.037473	0.123803	0.003662	0.599472	0.336000
8	Buñol [4,17.5]	8.568 ± 1.927	13	27.685	0.017969	0.118405	0.002099	0.538876	0.272800
9	Erkertshofen 2 [4,17.5]	9.491 ± 2.422	14	27.919	0.113771	0.124093	0.014339	0.555597	0.397400
10	Rothenstein 1 [5,16.1]	10.054 ± 2.970	10	27.990	0.015700	0.140674	0.001414	0.648339	0.396600
11	Montreal du Gers [4,17.5]	11.228 ± 4.301	12	29.051	0.158433	0.149228	0.017292	0.652374	0.389200
12	Bézian [4,17.5]	12.441 ± 1.854	22	31.439	0.124764	0.104133	0.025518	0.387534	0.520600
13	Engelswies [5,16.6]	14.235 ± 5.892	11	30.476	0.173909	0.167098	0.017627	0.701827	0.487800
14	La Romieu [4,17.5] *	14.647 ± 1.887	19	31.749	0.110747	0.123780	0.019619	0.467839	0.338800
15	Pellecahus [4,17.5]	14.877 ± 2.213	20	32.763	0.043800	0.114612	0.008246	0.416289	0.483600
16	Baigneaux en Beauce [5,16.1]	15.263 ± 3.289	15	32.928	0.104667	0.157244	0.014801	0.592143	0.458400
17	Contres MN 5 [5,16.1]	18.654 ± 1.880	20	35.628	0.009100	0.132855	0.001761	0.443749	0.173600
18	Hambach 6C [6,13.85]	19.197 ± 2.101	14	35.391	0.007500	0.171965	0.001013	0.607382	0.457800
19	Castelnau d'Arbieu [6,13.85]	19.572 ± 3.765	11	34.239	0.007927	0.182236	0.000832	0.681276	0.507600
20	Pontlevoy [5,16.1] *	19.812 ± 1.923	23	36.211	0.128991	0.139462	0.028863	0.446762	0.424600
21	Esvres Marine Faluns [5,16.1]	20.293 ± 2.083	37	37.793	0.121022	0.051675	0.044244	0.139465	0.386800
22	Sandelzhausen [5,16.1]	21.272 ± 3.495	18	35.556	0.068411	0.155269	0.011904	0.528392	0.342200
23	Inönü I (AS 24A) [6,13.85]	22.112 ± 9.842	12	32.170	0.270233	0.184351	0.030355	0.727782	0.394000
24	Thannhausen [6,13.85]	24.008 ± 2.025	13	37.226	0.073508	0.199852	0.009389	0.676450	0.596400
25	Stätzling [6,13.85]	24.762 ± 1.548	20	37.332	0.112740	0.164592	0.022178	0.524660	0.366200
26	Neudorf Spalte [6,13.85]	25.662 ± 4.147	13	36.071	0.022138	0.185387	0.002796	0.647578	0.347600
27	Vieux Collonges [5,16.6]	25.782 ± 3.121	15	36.310	0.107827	0.184900	0.015750	0.631437	0.483600
28	Göriach [5,16.1]	26.149 ± 2.271	20	37.258	0.161430	0.172156	0.031733	0.549858	0.464000
29	Belometchetskaja [5,16.1]	27.793 ± 4.037	14	36.379	0.279243	0.210307	0.038096	0.722626	0.431200
30	Pasalar [6,14.75]	30.263 ± 1.343	25	37.112	0.096912	0.127500	0.023779	0.391650	0.183600
31	Çandir [6,13.85]	31.029 ± 2.106	21	36.921	0.170210	0.165217	0.035016	0.528033	0.432800
32	Sansan [6,13.85] *	31.286 ± 1.644	29	37.578	0.052448	0.091813	0.014997	0.268755	0.446000
33	Simorre [6,13.2]	32.766 ± 1.627	15	37.991	0.096453	0.197079	0.014323	0.643252	0.226000
34	La Grive St. Alban [7,11.85]	33.136 ± 1.250	31	38.624	0.122974	0.105891	0.037979	0.296091	0.344400
35	Steinheim [7,11.85]	34.282 ± 1.084	23	37.424	0.053017	0.134859	0.012005	0.418008	0.165400
36	Wissberg [9,10.35]	36.900 ± 1.214	15	35.994	0.122840	0.184168	0.017888	0.634458	0.004800
37	Massenhausen [9,11]	37.788 ± 1.154	13	35.896	0.013123	0.183067	0.001655	0.642593	0.300600
38	Esselborn [9,10.35]	37.875 ± 2.509	10	35.800	0.130420	0.210107	0.012638	0.757098	0.567800
39	Sant Quirze [7,11.85]	38.284 ± 1.822	25	36.273	0.118008	0.124768	0.028719	0.392122	0.387600
40	Eppelsheim [9,10.35]	40.762 ± 1.708	25	36.127	0.157312	0.132107	0.038230	0.416864	0.162200
41	Castell de Barberà [7,11.85]	41.305 ± 2.753	19	34.491	0.092295	0.143708	0.016779	0.499980	0.422000
42	Can Llobateres I [10,9.45] *	42.217 ± 1.468	33	35.126	0.143339	0.064679	0.045538	0.195184	0.359000
43	Can Ponsic I [9,10.35]	43.480 ± 1.484	28	33.801	0.091800	0.075422	0.024434	0.247676	0.228400
44	Hostalets de Pierola Inferior [7,11.85]	43.483 ± 1.510	22	33.086	0.097855	0.113154	0.020326	0.400137	0.497000
45	Rudabánya [9,10.35]	44.823 ± 1.587	17	32.694	0.122529	0.145713	0.019594	0.543739	0.262000
46	Can Ponsic [9,10.35]	45.227 ± 1.629	19	31.932	0.107347	0.124765	0.019050	0.468862	0.412000
47	Hostalets de Pierola Superior [9,10.35]	45.946 ± 1.865	14	30.866	0.080171	0.143910	0.010380	0.582796	0.365600
48	Los Valles de Fuentidueña [9,10.35]	48.794 ± 1.192	17	29.010	0.162224	0.121051	0.025073	0.509066	0.044400
49	Charmoille [9,10.35]	49.140 ± 1.468	14	28.379	0.076286	0.123573	0.009655	0.544305	0.416600
50	Kalfa [9,10.35]	49.722 ± 0.990	18	28.247	0.303056	0.129767	0.049254	0.555879	0.350600
51	Buzhor 1 [9,10.35]	50.337 ± 1.038	14	27.678	0.219500	0.134011	0.027605	0.605216	0.375800
52	Dorn Dürkheim [11,8.6]	52.357 ± 0.856	26	28.530	0.172292	0.062035	0.040551	0.245703	0.062400
53	Villadecavalls [10,9.25]	54.058 ± 1.739	18	27.700	0.102278	0.095382	0.016541	0.416647	0.202600
54	Terrassa [10,9.25]	55.340 ± 1.215	19	27.815	0.012568	0.075452	0.002148	0.325510	0.270200
55	Piera [11,8.6]	56.539 ± 2.131	10	27.034	0.009500	0.132781	0.000848	0.633607	0.300800
56	Puente Minero [11,8.6]	56.990 ± 2.209	15	26.932	0.123547	0.111174	0.016536	0.511859	0.435600
57	Csakvar [11,8.6]	57.061 ± 5.466	13	28.630	0.315277	0.156579	0.037135	0.689093	0.655600
58	Crevillente 2 [11,8.6] *	57.288 ± 1.645	13	27.080	0.165246	0.128797	0.019194	0.599272	0.371800
59	La Roma 2 [10,9.25]	57.870 ± 1.868	10	27.210	0.123860	0.143016	0.011080	0.678013	0.419200
60	Montredon [10,9.25]	59.112 ± 2.649	15	27.971	0.169160	0.125066	0.022853	0.554442	0.297200

n	Site [MN,DBAGE]	$E\{\pi\}$	1s	AL	1F	0F	$\hat{c}$	$\hat{d}$	$O_{n-1,n}$
61	Los Mansuetos [12,7.65] *	61.097 ± 1.263	22	27.989	0.238336	0.096005	0.047233	0.401319	0.191800
62	Arquillo 1 [13,6.2]	62.696 ± 1.599	16	28.049	0.059275	0.105672	0.008548	0.463386	0.142000
63	Cerro de la Garita [12,7.65]	63.284 ± 1.750	24	28.765	0.104625	0.063273	0.022779	0.252957	0.371000
64	Arquillo [13,6.2] *	63.404 ± 1.581	16	28.217	0.059725	0.107096	0.008626	0.466836	0.576400
65	Polgardi [13,6.75]	64.358 ± 6.175	11	28.627	0.252400	0.159400	0.025155	0.712731	0.364600
66	Concud [12,7.65]	65.363 ± 1.599	21	29.871	0.239029	0.117719	0.045997	0.465023	0.409200
67	Chobruchi (Tchobroutchi) [12,7.65]	67.866 ± 2.383	16	31.938	0.135750	0.147239	0.020287	0.567042	0.120600
68	Belka [12,7.65]	68.098 ± 2.141	17	31.973	0.179165	0.147692	0.028458	0.563558	0.447800
69	Poksheshty [10,9.25]	70.364 ± 3.393	12	32.010	0.178833	0.174455	0.020058	0.692157	0.268400
70	Taraklia [13,6.75]	70.524 ± 1.927	22	33.469	0.051882	0.107783	0.010816	0.376782	0.537400
71	Novo Elizavetovka [12,8.05]	70.754 ± 1.661	16	32.781	0.004987	0.137083	0.000751	0.514353	0.435600
72	Chimishlija (Cimislia) [12,7.65]	71.152 ± 2.023	21	33.770	0.172048	0.138842	0.034334	0.485141	0.420800
73	Novaja Emetovka [12,7.65]	71.751 ± 2.374	17	32.777	0.106094	0.144105	0.016979	0.536373	0.446400
74	Eldari I [9,9.55]	73.507 ± 2.090	17	33.716	0.131271	0.155308	0.021196	0.561977	0.287200
75	Grebeniki [12,8.05]	74.560 ± 1.670	19	35.249	0.084032	0.148717	0.015389	0.506278	0.355800
76	Maragheh [12,8.05]	76.505 ± 4.575	14	34.395	0.112729	0.175786	0.015087	0.638849	0.278600
77	Ravin de la Pluie (RPL) [10,9.25]	78.670 ± 3.227	14	34.460	0.215657	0.187832	0.028881	0.681345	0.189800
78	Pikermi [12,8.05]	80.696 ± 2.501	39	37.236	0.159159	0.044432	0.060996	0.119325	0.286000
79	Pikermi MNHN (PIK) [12,7.65]	80.707 ± 2.363	25	36.503	0.073312	0.116981	0.017881	0.365334	0.474400
80	Pentalophos 1 (PNT) [10,9.25]	81.192 ± 3.066	12	35.006	0.015183	0.182581	0.001752	0.662403	0.484600
81	Halmyropotamos (HAL) [12,8.05]	81.842 ± 2.772	20	34.501	0.096390	0.138054	0.018448	0.476177	0.445800
82	Samos [12,8.05]	81.929 ± 3.010	18	34.470	0.165244	0.160698	0.028455	0.564096	0.441800
83	Dytiko 1 (DTK) [13,6.2]	82.175 ± 3.465	13	33.794	0.012692	0.166338	0.001568	0.620194	0.443600
84	Samos (A 1) [12,8.05]	82.358 ± 2.137	25	34.934	0.004616	0.088154	0.001109	0.287672	0.466400
85	Kemiklitepe A B [12,7.65]	82.659 ± 3.435	13	33.923	0.124231	0.178873	0.015370	0.664387	0.434400
86	Middle Maragheh [12,7.65]	85.151 ± 2.745	19	32.066	0.087842	0.122788	0.015608	0.459514	0.254000
87	Vathylakkos 3 (VAT) [11,8.6]	87.130 ± 4.326	21	30.230	0.129905	0.101341	0.025080	0.395571	0.342800
88	Middle Sinap [9,10.1]	89.476 ± 2.958	13	27.120	0.352277	0.148408	0.040933	0.689511	0.297000
89	Gülpinar [10,9.25]	90.494 ± 2.535	11	26.236	0.013509	0.120195	0.001318	0.586399	0.378400
90	Upper Maragheh [12,7.65]	90.788 ± 2.709	14	26.045	0.010186	0.097502	0.001262	0.467948	0.465400
91	Mahmutgazi [12,7.65]	90.845 ± 2.893	12	25.891	0.171767	0.125605	0.018223	0.616123	0.478600
92	Prochoma [11,8.6]	90.909 ± 2.822	15	25.998	0.165680	0.108735	0.021993	0.518625	0.465000
93	Ravin des Zouaves 5 [11,8.6]	91.077 ± 4.440	16	25.480	0.064550	0.085467	0.009098	0.412581	0.413400
94	Samos Main Bone Beds [12,7.65]	91.449 ± 4.091	16	25.389	0.178350	0.099533	0.025117	0.482201	0.458800
95	Vathylakkos 2 (VTK) [11,8.6]	93.445 ± 1.868	10	23.580	0.009840	0.106037	0.000853	0.580092	0.326000
96	Çobanpinar (AS 42) [12,7.65]	95.939 ± 0.932	12	22.299	0.157733	0.095997	0.016219	0.546738	0.056000
97	Brisighella [13,6.2]	96.222 ± 2.938	11	21.745	0.316418	0.111138	0.029684	0.654201	0.169400
98	Baccinello V3 [13,5.65]	97.974 ± 0.583	10	20.907	0.256960	0.104473	0.021759	0.644604	0.162400
99	Venta del Moro [13,6.2]	99.437 ± 0.878	19	23.290	0.318768	0.086222	0.052343	0.444251	0.065600
100	Montpellier [14,4.75]	99.797 ± 0.945	19	22.499	0.289526	0.074998	0.047218	0.400012	0.383800
101	Kosyakino [14,4.75]	101.567 ± 1.545	14	22.177	0.262114	0.094771	0.031412	0.534180	0.188000
102	Weze 1 [15,3.8]	103.406 ± 2.529	11	22.788	0.307273	0.118503	0.029085	0.665619	0.335600
103	Perpignan [15,3.8] *	103.752 ± 1.264	19	23.788	0.085337	0.053415	0.014073	0.269451	0.397800
104	Vialette [16,3]	104.081 ± 1.810	11	23.028	0.029818	0.096528	0.002828	0.536556	0.453400
105	Kvabebi [16,3]	105.974 ± 5.033	13	22.797	0.145077	0.092722	0.016230	0.512480	0.463800
106	Triversa (Fornace RDB) [16,3]	106.891 ± 2.285	14	25.033	0.063614	0.095392	0.007815	0.476324	0.270000
107	Etouaires [16,3]	106.964 ± 1.329	21	25.423	0.042848	0.045107	0.007922	0.209363	0.440000
108	Odessa Catacombs [15,3.8]	110.716 ± 5.473	15	23.262	0.257707	0.097800	0.033399	0.521340	0.331000
109	Kisláng [16,3]	110.897 ± 5.067	14	23.777	0.158600	0.095976	0.019270	0.504572	0.502000
110	Layna [13,5.65]	112.065 ± 3.561	10	22.895	0.004200	0.100290	0.000362	0.565065	0.434800
111	Saint Vallier [17,2.26] *	112.794 ± 3.082	20	23.953	0.016770	0.036040	0.002915	0.179048	0.387400
112	Villaroya [16,3]	112.860 ± 3.182	18	22.928	0.060022	0.049660	0.009308	0.262068	0.515200
113	Çalta [15,3.8]	113.230 ± 3.936	13	22.350	0.238523	0.098814	0.026582	0.557079	0.460400
114	Senèze [17,2.26]	113.313 ± 2.991	21	23.586	0.139076	0.046663	0.025305	0.233456	0.454000
115	La Puebla de Valverde [17,2.26]	114.125 ± 3.010	20	23.287	0.054370	0.036756	0.009397	0.187833	0.424200
116	Varshets [16,2.66]	116.739 ± 4.729	13	20.384	0.199969	0.079237	0.021916	0.489781	0.397400
117	Stavropol Kavkazskij [15,3.53]	116.862 ± 9.095	11	15.156	0.463055	0.072259	0.041129	0.610283	0.350600
118	Chilhac [17,2.26]	116.966 ± 3.949	13	21.216	0.073569	0.072798	0.008120	0.432339	0.583800
119	Pardines [17,2.26]	117.738 ± 3.134	15	20.903	0.007080	0.048463	0.000899	0.287487	0.442400
120	Dafnero (DFN) [17,2.26]	118.800 ± 4.325	11	18.411	0.152655	0.071019	0.013925	0.493743	0.361800
n	Site [MN,DBAGE]	$E\{\pi\}$	1s	AL	1F	0F	$\hat{c}$	$\hat{d}$	$O_{n-1,n}$
121	Sesklon (SES) [17,2.26]	119.221 ± 2.788	15	19.893	0.075147	0.048548	0.009464	0.302622	0.460000
122	Volax (VOL) [17,2.26]	119.793 ± 3.182	11	18.492	0.021200	0.060350	0.001935	0.417746	0.374000
123	Liventsovka (Rostov on Don) [17,2.04]	120.342 ± 2.798	14	18.255	0.142429	0.049992	0.016514	0.342317	0.483800
124	Gerakarou 1 (GER) [16,3.02]	120.354 ± 3.332	11	17.637	0.114982	0.061730	0.010422	0.448012	0.473800

In the following table we list the genera, in the order they appear in the figures. As with sites, we show the index m, followed by the name of the genus. Next we show the number of 1s associated with the genus. Next we show the probabilities that a randomly picked 1 or 0 is false (1F and 0F, respectively), and the probabilities of false 1s and 0s, $\hat{c}$ and $\hat{d}$. Finally, we show the expected number of Lasarus events. The number of Lasarus events, is defined as the number of sequences of consequtive zeros for a given order.

m	Genus	1s	AL	1F	0F	$\hat{c}$	$\hat{d}$	$E\{a\}$	$E\{b\}$	$E\{L\}$
1	Palaeogale	8	15.531	0.024600	0.066622	0.001814	0.497586	1.182	16.713	3.229
2	Cynelos	9	14.869	0.143578	0.062271	0.011841	0.481619	1.239	16.108	4.240
3	Andegameryx	4	5.712	0.031500	0.015318	0.001065	0.321802	1.241	6.953	0.648
4	Semigenetta	20	46.103	0.005140	0.251983	0.001320	0.568422	1.242	47.345	9.881
5	Cainotherium	7	12.105	0.037400	0.045872	0.002340	0.443363	1.243	13.348	2.558
6	Oriomeryx	5	5.686	0.225440	0.015237	0.009527	0.318888	1.248	6.934	1.648
7	Diaceratherium	6	11.239	0.071367	0.048027	0.003797	0.504244	1.256	12.495	3.503
8	Amphicyon	28	49.067	0.042943	0.231977	0.016046	0.453861	1.284	50.351	13.013
9	Aureliachoerus	11	21.543	0.009091	0.094184	0.000976	0.494030	1.726	23.269	4.917
10	Procervulus	15	22.499	0.171720	0.092431	0.025377	0.447794	1.826	24.325	7.023
11	Martes	31	76.331	0.143026	0.535101	0.093011	0.651959	1.935	78.266	20.362
12	Pseudaelurus	30	50.338	0.037353	0.228279	0.015213	0.426286	2.545	52.883	10.369
13	Hemicyon	16	34.041	0.010925	0.168665	0.001943	0.535114	2.831	36.872	6.756
14	Plithocyon	15	32.413	0.075787	0.170178	0.012412	0.572290	3.188	35.601	8.837
15	Gomphotherium	23	38.616	0.008678	0.156592	0.002338	0.409564	3.375	41.991	9.743
16	Palaeomeryx	20	36.200	0.006390	0.156996	0.001456	0.451041	3.654	39.854	9.009
17	Prosantorhinus	17	23.690	0.065706	0.072966	0.011136	0.329560	3.690	27.380	5.567
18	Eotragus	10	26.302	0.155860	0.156668	0.015953	0.679054	3.784	30.086	6.623
19	Taucanamo	17	32.710	0.010035	0.148421	0.001869	0.485503	3.815	36.525	8.461
20	Dorcatherium	30	54.915	0.106133	0.298923	0.046088	0.511680	4.109	59.023	17.068
21	Hyainailouros	7	8.171	0.526629	0.041520	0.031826	0.594488	4.286	12.457	4.282
22	Amphimoschus	8	19.316	0.025875	0.099334	0.001977	0.596548	4.336	23.652	3.628
23	Lagomeryx	18	26.783	0.124567	0.104009	0.023064	0.411645	4.433	31.216	8.507
24	Bunolistriodon	13	26.620	0.042554	0.127690	0.005681	0.532434	4.569	31.189	5.436
25	Ursavus	22	47.297	0.287336	0.309988	0.082414	0.668510	5.393	52.690	16.002
26	Anchitherium	24	33.560	0.008742	0.097696	0.002320	0.291110	6.996	40.555	6.145
27	Plesiaceratherium	16	20.433	0.243838	0.077167	0.037670	0.407878	7.219	27.651	7.764
28	Hyotherium	15	21.762	0.128040	0.079655	0.018786	0.398974	7.244	29.006	6.156
29	Lartetotherium	19	40.403	0.008505	0.205377	0.001933	0.533738	7.868	48.271	10.243
30	Ischyrictis	13	32.489	0.050554	0.181501	0.007182	0.620098	9.715	42.204	7.769
31	Brachypotherium	20	32.195	0.019610	0.121031	0.004272	0.390968	10.243	42.438	6.585
32	Pseudocyon	12	25.433	0.012117	0.121234	0.001475	0.533885	11.031	36.464	5.607
33	Deinotherium	42	74.343	0.080205	0.435502	0.067837	0.480360	12.325	86.667	18.375
34	Prodeinotherium	9	28.408	0.077244	0.174810	0.007273	0.707660	12.952	41.360	6.068
35	Trochictis	11	23.142	0.373018	0.143766	0.040683	0.701984	13.297	36.440	8.213
36	Protictitherium	26	50.337	0.157269	0.290061	0.055510	0.564714	13.341	63.678	14.108
37	Protaceratherium	6	6.306	0.539067	0.030005	0.027481	0.561447	14.564	20.870	4.406
38	Pseudarctos	9	21.702	0.130733	0.120685	0.011502	0.639511	15.455	37.157	5.437
39	Hispanotherium	6	9.339	0.488533	0.053137	0.025564	0.671400	16.026	25.365	4.208
40	Trocharion	10	28.127	0.058400	0.164135	0.006091	0.665237	16.099	44.226	6.369
41	Pliopithecus	10	20.191	0.085820	0.096926	0.008267	0.547243	16.306	36.497	5.164
42	Dicrocerus	15	25.953	0.260667	0.136361	0.039879	0.572696	16.407	42.360	9.403
43	Chalicotherium	27	42.150	0.115896	0.188443	0.038231	0.433668	16.913	59.063	12.832
44	Heteroprox	10	23.094	0.076260	0.121549	0.007558	0.600009	19.060	42.154	5.976
45	Euprox	20	40.527	0.039830	0.205033	0.009543	0.526156	19.717	60.244	9.616
46	Stehlinoceros	7	11.769	0.395486	0.064419	0.024667	0.640433	20.779	32.547	4.467
47	Amphitragulus	3	3.363	0.509067	0.015621	0.012659	0.562058	21.155	24.518	1.546
48	Micromeryx	21	38.646	0.007724	0.172895	0.001900	0.460803	21.841	60.487	9.090
49	Brachyodus	2	3.196	0.298500	0.014693	0.004942	0.560959	23.376	26.572	0.576
50	Listriodon	20	25.445	0.028140	0.057765	0.005711	0.236103	23.436	48.881	3.152
51	Sansanosmilus	15	25.077	0.065720	0.101497	0.009965	0.441162	25.613	50.690	4.583
52	Hoploaceratherium	11	20.457	0.208018	0.103936	0.022099	0.574133	26.974	47.430	6.471
53	Conohyus	4	6.773	0.399300	0.036417	0.013625	0.645228	28.463	35.236	2.596
54	Tethytragus	3	6.475	0.061600	0.030250	0.001572	0.565247	28.885	35.360	1.184
55	Alicornops	18	31.360	0.011189	0.127940	0.002174	0.432446	29.934	61.294	6.400
56	Agnotherium	8	17.920	0.307200	0.106702	0.023167	0.690711	31.198	49.118	5.421
57	Dryopithecus	10	16.987	0.010440	0.062202	0.000976	0.417447	31.332	48.318	3.557
58	Dicerorhinus	6	14.712	0.314433	0.089815	0.017263	0.720398	31.653	46.364	4.278
59	Parachleuastochoerus	15	18.788	0.007173	0.035739	0.001023	0.207345	33.421	52.209	1.503
60	Protragocerus	9	13.231	0.394644	0.067678	0.032065	0.588231	34.725	47.957	6.066

m	Genus	1s	AL	1F	0F	$\hat{c}$	$\hat{d}$	$E\{a\}$	$E\{b\}$	$E\{L\}$
61	Tetralophodon	32	49.993	0.034450	0.207561	0.014896	0.381964	34.960	84.953	10.511
62	Propotamochoerus	28	72.412	0.038664	0.473906	0.020986	0.628276	35.083	107.495	11.490
63	Aceratherium	30	41.650	0.114527	0.160485	0.041722	0.362201	35.726	77.376	11.266
64	Miotragocerus	17	18.987	0.126647	0.038688	0.020502	0.218027	37.028	56.014	3.308
65	Machairodus	20	37.712	0.176390	0.204227	0.040884	0.563208	37.432	75.144	10.445
66	Dihoplus	19	31.977	0.073674	0.136920	0.015211	0.449595	37.716	69.692	6.661
67	Hippotherium	24	47.415	0.009692	0.236474	0.003037	0.498735	39.371	86.786	10.961
68	Thalassictis	15	25.558	0.198067	0.124119	0.030180	0.529345	40.214	65.772	8.557
69	Indarctos	14	29.076	0.193171	0.161642	0.028490	0.611517	40.980	70.056	8.591
70	Palaeotragus	25	51.110	0.041312	0.274174	0.014169	0.531070	44.296	95.406	9.439
71	Eomellivora	11	16.539	0.397982	0.087761	0.040739	0.599606	44.862	61.401	6.811
72	Hipparion	33	70.186	0.008448	0.411701	0.005181	0.533793	46.856	117.042	15.030
73	Dinocrocuta	7	5.803	0.595571	0.025402	0.035272	0.512149	49.022	54.825	4.808
74	Simocyon	9	18.375	0.447933	0.116581	0.038167	0.729606	49.544	67.919	6.530
75	Microstonyx	37	50.071	0.006022	0.152798	0.003014	0.265493	50.854	100.925	8.354
76	Adcrocuta	27	45.716	0.002993	0.193777	0.001032	0.411159	50.946	96.661	11.221
77	Paramachairodus	16	27.776	0.227987	0.142817	0.037910	0.555299	51.206	78.983	10.099
78	Tragoportax	37	49.011	0.005524	0.140409	0.002726	0.249241	51.750	100.761	8.150
79	Plioviverrops	17	45.892	0.223953	0.305600	0.048743	0.712525	52.149	98.041	12.342
80	Dremotherium	3	1.986	0.825867	0.012096	0.020306	0.736959	53.463	55.449	2.000
81	Cremohipparion	27	43.452	0.003111	0.170476	0.001043	0.380561	53.603	97.056	8.977
82	Amphimachairodus	17	42.453	0.164435	0.264002	0.034280	0.665403	54.650	97.103	10.133
83	Metailurus	20	43.384	0.125010	0.248883	0.031014	0.596626	56.997	100.380	11.495
84	Gazella	49	67.290	0.013759	0.252856	0.011889	0.281828	57.586	124.876	12.006
85	Lycyaena	11	21.690	0.263382	0.120244	0.028318	0.626434	57.690	79.380	6.710
86	Ictitherium	19	42.638	0.018011	0.228381	0.004206	0.562412	57.969	100.607	9.347
87	Hispanodorcas	7	9.951	0.168571	0.035304	0.010346	0.415111	59.751	69.701	2.448
88	Zygolophodon	16	15.738	0.480863	0.068811	0.071066	0.472213	60.539	76.277	9.747
89	Palaeoryx	14	24.066	0.154471	0.111171	0.021640	0.508132	62.634	86.700	7.489
90	Helladotherium	17	32.945	0.138518	0.171026	0.025861	0.555465	65.027	97.972	10.088
91	Orycteropus	12	21.925	0.336567	0.124677	0.039567	0.636889	65.677	87.602	7.866
92	Hyaenictitherium	8	11.661	0.241100	0.048184	0.017169	0.479341	65.870	77.531	4.138
93	Samotherium	14	28.404	0.083143	0.141525	0.012176	0.548089	66.872	95.276	7.160
94	Stephanorhinus	32	56.898	0.037137	0.283546	0.017710	0.458475	67.060	123.958	11.373
95	Cervavitus	7	9.779	0.162829	0.033491	0.009979	0.400712	67.220	76.999	2.518
96	Choerolophodon	17	28.214	0.138318	0.126778	0.024548	0.480800	68.169	96.383	8.431
97	Chilotherium	11	28.755	0.026145	0.159667	0.003020	0.627457	68.759	97.514	6.352
98	Protragelaphus	12	19.402	0.184083	0.085813	0.021119	0.495361	68.947	88.349	6.051
99	Oioceros	12	23.398	0.204867	0.123720	0.024437	0.592208	72.422	95.820	7.591
100	Mesopithecus	16	34.883	0.198750	0.204283	0.035683	0.632482	72.548	107.430	10.938
101	Prostrepsiceros	15	23.192	0.074800	0.085451	0.011130	0.401609	73.141	96.333	5.843
102	Mustela	7	6.473	0.617743	0.032458	0.036793	0.586647	73.814	80.287	5.089
103	Bohlinia	7	12.865	0.215143	0.063003	0.013551	0.572963	74.662	87.527	4.076
104	Ceratotherium	17	23.238	0.155459	0.082998	0.026228	0.382167	74.749	97.987	7.172
105	Palaeoreas	12	21.013	0.055717	0.086441	0.006492	0.460738	74.988	96.001	5.111
106	Pliocervus	9	12.141	0.210622	0.043800	0.016946	0.414862	75.500	87.641	2.903
107	Hyaenotherium	10	22.253	0.140480	0.119807	0.013807	0.613754	75.643	97.896	6.106
108	Felis	16	31.712	0.264713	0.184696	0.045893	0.629015	76.383	108.095	11.207
109	Ancylotherium	10	16.027	0.118000	0.063216	0.010929	0.449665	76.619	92.646	3.936
110	Pliohyrax	10	10.103	0.408000	0.036695	0.035822	0.414047	77.214	87.317	5.587
111	Protoryx	8	10.713	0.472875	0.055998	0.033393	0.606359	78.093	88.806	5.380
112	Tapirus	16	13.695	0.553462	0.060652	0.080281	0.478306	79.971	93.666	9.411
113	Plesiogulo	10	7.156	0.678400	0.034560	0.058060	0.550574	94.915	102.071	7.333
114	Parabos	5	7.533	0.188160	0.029192	0.008078	0.461144	95.868	103.401	1.514
115	Procapreolus	11	13.340	0.395473	0.059202	0.039311	0.501499	96.021	109.361	7.106
116	Paracamelus	6	5.263	0.728667	0.030805	0.036821	0.690671	96.100	101.363	4.878
117	Sus	11	27.494	0.039745	0.149835	0.004530	0.615817	96.455	123.949	6.735
118	Baranogale	9	10.480	0.609044	0.060530	0.048286	0.664243	97.146	107.626	6.901
119	Anancus	19	26.092	0.110189	0.087480	0.021383	0.352042	97.831	123.923	6.991
120	Agriotherium	8	11.929	0.297200	0.054369	0.021215	0.528686	97.880	109.809	4.622

m	Genus	1s	AL	1F	0F	$\hat{c}$	$\hat{d}$	$E\{a\}$	$E\{b\}$	$E\{L\}$
121	Ursus	20	25.172	0.005990	0.050879	0.001212	0.210213	98.592	123.763	3.319
122	Canis	14	24.386	0.230771	0.123785	0.032433	0.558379	98.612	122.998	8.346
123	Nyctereutes	20	25.174	0.108230	0.070560	0.021903	0.291504	98.825	123.999	6.486
124	Cervus	18	25.384	0.065500	0.080787	0.011956	0.337349	99.182	124.567	6.061
125	Vulpes	14	24.419	0.020071	0.097275	0.002822	0.438188	99.363	123.782	5.452
126	Croizetocerus	15	24.355	0.152907	0.106870	0.023018	0.478288	99.520	123.875	8.072
127	Lynx	17	24.057	0.013106	0.068039	0.002229	0.302618	99.952	124.009	4.366
128	Mammut	7	9.007	0.341629	0.037593	0.020796	0.488331	101.893	110.900	3.731
129	Homotherium	12	20.318	0.013467	0.075707	0.001559	0.417333	102.881	123.198	4.607
130	Chasmaporthetes	12	18.929	0.023917	0.064427	0.002731	0.381207	102.912	121.841	3.775
131	Pliocrocuta	13	21.037	0.014831	0.074142	0.001873	0.391206	103.145	124.182	4.967
132	Acinonyx	10	14.205	0.231880	0.057230	0.021119	0.459276	105.041	119.246	5.065
133	Leptobos	11	18.568	0.012436	0.068188	0.001298	0.414963	105.052	123.620	4.142
134	Megantereon	10	16.757	0.125120	0.070244	0.011667	0.477889	105.800	122.556	4.872
135	Macaca	6	10.508	0.357667	0.056390	0.018909	0.633232	106.439	116.947	3.861
136	Gazellospira	13	16.308	0.006923	0.030613	0.000836	0.208364	108.323	124.631	1.867
137	Mammuthus	8	15.017	0.058225	0.064507	0.004274	0.498289	108.522	123.539	3.420
138	Equus	13	16.057	0.094569	0.038614	0.011389	0.266940	108.569	124.626	3.343
139	Eucladoceros	8	14.418	0.106550	0.062679	0.007779	0.504272	109.983	124.401	3.278

The strongest of false 1s.

	Site	Genus	P(1 is wrong)
1	(72)Chimishlija (Cimislia) [12,7.65]	(132)Acinonyx	1.000000
2*	(58)Crevillente 2 [11,8.6] *	(2)Cynelos	1.000000
3*	(60)Montredon [10,9.25]	(134)Megantereon	1.000000
4*	(115)La Puebla de Valverde [17,2.26]	(27)Plesiaceratherium	1.000000
5*	(58)Crevillente 2 [11,8.6] *	(110)Pliohyrax	1.000000
6	(36)Wissberg [9,10.35]	(100)Mesopithecus	1.000000
7*	(46)Can Ponsic [9,10.35]	(98)Protragelaphus	1.000000
8*	(77)Ravin de la Pluie (RPL) [10,9.25]	(17)Prosantorhinus	1.000000
9	(31)Çandir [6,13.85]	(91)Orycteropus	1.000000
10	(98)Baccinello V3 [13,5.65]	(64)Miotragocerus	1.000000
11	(50)Kalfa [9,10.35]	(10)Procervulus	1.000000
12	(2)Wintershof West [3,19] *	(68)Thalassictis	1.000000
13	(52)Dorn Dürkheim [11,8.6]	(119)Anancus	1.000000
14*	(112)Villaroya [16,3]	(28)Hyotherium	1.000000
15*	(14)La Romieu [4,17.5] *	(110)Pliohyrax	1.000000
16*	(13)Engelswies [5,16.6]	(138)Equus	1.000000
17*	(25)Stätzling [6,13.85]	(90)Helladotherium	1.000000
18*	(114)Senèze [17,2.26]	(25)Ursavus	1.000000
19*	(100)Montpellier [14,4.75]	(27)Plesiaceratherium	1.000000
20*	(9)Erkertshofen 2 [4,17.5]	(93)Samotherium	1.000000
21	(51)Buzhor 1 [9,10.35]	(10)Procervulus	1.000000
22*	(35)Steinheim [7,11.85]	(123)Nyctereutes	1.000000
23*	(25)Stätzling [6,13.85]	(123)Nyctereutes	1.000000
24	(117)Stavropol Kavkazskij [15,3.53]	(8)Amphicyon	1.000000
25*	(50)Kalfa [9,10.35]	(126)Croizetocerus	1.000000
26*	(22)Sandelzhausen [5,16.1]	(115)Procapreolus	1.000000
27	(51)Buzhor 1 [9,10.35]	(113)Plesiogulo	1.000000
28	(66)Concud [12,7.65]	(122)Canis	1.000000
29*	(48)Los Valles de Fuentidueña [9,10.35]	(6)Oriomeryx	1.000000
30*	(39)Sant Quirze [7,11.85]	(135)Macaca	1.000000
31	(57)Csakvar [11,8.6]	(120)Agriotherium	1.000000
32*	(60)Montredon [10,9.25]	(18)Eotragus	1.000000
33*	(82)Samos [12,8.05]	(23)Lagomeryx	1.000000
34	(67)Chobruchi (Tchobroutchi) [12,7.65]	(124)Cervus	1.000000
35	(42)Can Llobateres I [10,9.45] *	(113)Plesiogulo	1.000000
36*	(45)Rudabánya [9,10.35]	(100)Mesopithecus	1.000000
37*	(102)Weze 1 [15,3.8]	(25)Ursavus	1.000000
38*	(5)Savigné sur Lathan [5,16.1]	(77)Paramachairodus	1.000000
39	(68)Belka [12,7.65]	(115)Procapreolus	1.000000
40	(30)Pasalar [6,14.75]	(110)Pliohyrax	1.000000
41	(29)Belometchetskaja [5,16.1]	(94)Stephanorhinus	1.000000
42	(63)Cerro de la Garita [12,7.65]	(122)Canis	1.000000
43*	(100)Montpellier [14,4.75]	(42)Dicrocerus	1.000000
44*	(113)Çalta [15,3.8]	(43)Chalicotherium	1.000000
45*	(44)Hostalets de Pierola Inferior [7,11.85]	(132)Acinonyx	1.000000
46	(99)Venta del Moro [13,6.2]	(66)Dihoplus	1.000000
47*	(29)Belometchetskaja [5,16.1]	(96)Choerolophodon	1.000000
48	(99)Venta del Moro [13,6.2]	(63)Aceratherium	1.000000
49	(30)Pasalar [6,14.75]	(113)Plesiogulo	1.000000
50	(99)Venta del Moro [13,6.2]	(68)Thalassictis	1.000000
51*	(113)Çalta [15,3.8]	(35)Trochictis	1.000000
52	(61)Los Mansuetos [12,7.65] *	(115)Procapreolus	1.000000
53*	(97)Brisighella [13,6.2]	(60)Protragocerus	1.000000
54	(61)Los Mansuetos [12,7.65] *	(122)Canis	1.000000
55*	(23)Inönü I (AS 24A) [6,13.85]	(101)Prostrepsiceros	1.000000
56	(1)Laugnac [2,21.38] *	(79)Plioviverrops	1.000000
57*	(92)Prochoma [11,8.6]	(60)Protragocerus	1.000000
58	(108)Odessa Catacombs [15,3.8]	(95)Cervavitus	1.000000
59*	(6)Artesilla [4,17.5]	(82)Amphimachairodus	1.000000
60*	(12)Bézian [4,17.5]	(71)Eomellivora	1.000000

	Site	Genus	P(1 is wrong)
61*	(20)Pontlevoy [5,16.1] *	(99)Oiioceros	1.000000
62*	(114)Senèze [17,2.26]	(35)Trochictis	1.000000
63*	(23)Inönü I (AS 24A) [6,13.85]	(91)Orycteropus	1.000000
64	(57)Csakvar [11,8.6]	(23)Lagomeryx	1.000000
65	(66)Concud [12,7.65]	(119)Anancus	1.000000
66*	(108)Odessa Catacombs [15,3.8]	(98)Protragelaphus	1.000000
67	(92)Prochoma [11,8.6]	(43)Chalicotherium	1.000000
68*	(101)Kosyakino [14,4.75]	(21)Hyainailouros	1.000000
69	(101)Kosyakino [14,4.75]	(63)Aceratherium	1.000000
70*	(47)Hostalets de Pierola Superior [9,10.35]	(27)Plesiaceratherium	0.999800
71*	(51)Buzhor 1 [9,10.35]	(104)Ceratotherium	0.999800
72	(78)Pikermi [12,8.05]	(25)Ursavus	0.999800
73	(99)Venta del Moro [13,6.2]	(77)Paramachairodus	0.999800
74	(94)Samos Main Bone Beds [12,7.65]	(25)Ursavus	0.999800
75	(81)Halmyropotamos (HAL) [12,8.05]	(25)Ursavus	0.999800
76*	(120)Dafnero (DFN) [17,2.26]	(104)Ceratotherium	0.999800
77*	(68)Belka [12,7.65]	(60)Protragocerus	0.999800
78*	(77)Ravin de la Pluie (RPL) [10,9.25]	(126)Croizetocerus	0.999600
79	(27)Vieux Collonges [5,16.6]	(79)Plioviverrops	0.999600
80	(117)Stavropol Kavkazskij [15,3.53]	(61)Tetralophodon	0.999600
81*	(40)Eppelsheim [9,10.35]	(89)Palaeoryx	0.999400
82	(50)Kalfa [9,10.35]	(96)Choerolophodon	0.999400
83*	(43)Can Ponsic I [9,10.35]	(89)Palaeoryx	0.999400
84	(34)La Grive St. Alban [7,11.85]	(79)Plioviverrops	0.999200
85	(87)Vathylakkos 3 (VAT) [11,8.6]	(20)Dorcatherium	0.999200
86	(82)Samos [12,8.05]	(20)Dorcatherium	0.999000
87	(116)Varshets [16,2.66]	(11)Martes	0.999000
88	(79)Pikermi MNHN (PIK) [12,7.65]	(20)Dorcatherium	0.998800
89	(14)La Romieu [4,17.5] *	(88)Zygolophodon	0.998600
90	(88)Middle Sinap [9,10.1]	(12)Pseudaelurus	0.998400
91*	(31)Çandir [6,13.85]	(118)Baranogale	0.998200
92	(20)Pontlevoy [5,16.1] *	(88)Zygolophodon	0.998200
93	(21)Esvres Marine Faluns [5,16.1]	(88)Zygolophodon	0.998000
94*	(29)Belometchetskaja [5,16.1]	(73)Dinocrocuta	0.997800
95	(32)Sansan [6,13.85] *	(88)Zygolophodon	0.997800
96	(33)Simorre [6,13.2]	(88)Zygolophodon	0.997600
97	(72)Chimishlija (Cimislia) [12,7.65]	(128)Mammut	0.997400
98	(88)Middle Sinap [9,10.1]	(71)Eomellivora	0.996800
99*	(73)Novaja Emetovka [12,7.65]	(64)Miotragocerus	0.996800
100	(78)Pikermi [12,8.05]	(128)Mammut	0.996600

Median for 0 alive: 0.000000
Median for 1 alive: 0.997200

Wrong 1s. 88 of 100 below median in $P(X_{nm} = 1)$. Hypothesis that $P(X_{nm} = 1)$ is smaller for wrong 1s is true with P-value (Fisher Sign Test) of $< 2.2 \times 10^{-16}$.

	Site	Genus	X_{nm}	$P(X_{nm} = 1)$
1	(100)Montpellier [14,4.75]	(27)Plesiaceratherium	1	0.000000
2	(100)Montpellier [14,4.75]	(42)Dicrocerus	1	0.000000
3	(101)Kosyakino [14,4.75]	(21)Hyainailouros	1	0.000000
4	(102)Weze 1 [15,3.8]	(25)Ursavus	1	0.000000
5	(108)Odessa Catacombs [15,3.8]	(98)Protragelaphus	1	0.000000
6	(112)Villaroya [16,3]	(28)Hyotherium	1	0.000000
7	(113)Çalta [15,3.8]	(35)Trochictis	1	0.000000
8	(113)Çalta [15,3.8]	(43)Chalicotherium	1	0.000000
9	(114)Senèze [17,2.26]	(25)Ursavus	1	0.000000
10	(114)Senèze [17,2.26]	(35)Trochictis	1	0.000000
11	(115)La Puebla de Valverde [17,2.26]	(27)Plesiaceratherium	1	0.000000
12	(12)Bézian [4,17.5]	(71)Eomellivora	1	0.000000
13	(13)Engelswies [5,16.6]	(138)Equus	1	0.000000
14	(14)La Romieu [4,17.5] *	(110)Pliohyrax	1	0.000000
15	(20)Pontlevoy [5,16.1] *	(99)Oioceros	1	0.000000
16	(22)Sandelzhausen [5,16.1]	(115)Procapreolus	1	0.000000
17	(23)Inönü I (AS 24A) [6,13.85]	(101)Prostrepsiceros	1	0.000000
18	(23)Inönü I (AS 24A) [6,13.85]	(91)Orycteropus	1	0.000000
19	(25)Stätzling [6,13.85]	(123)Nyctereutes	1	0.000000
20	(25)Stätzling [6,13.85]	(90)Helladotherium	1	0.000000
21	(29)Belometchetskaja [5,16.1]	(96)Choerolophodon	1	0.000000
22	(35)Steinheim [7,11.85]	(123)Nyctereutes	1	0.000000
23	(39)Sant Quirze [7,11.85]	(135)Macaca	1	0.000000
24	(44)Hostalets de Pierola Inferior [7,11.85]	(132)Acinonyx	1	0.000000
25	(45)Rudabánya [9,10.35]	(100)Mesopithecus	1	0.000000
26	(46)Can Ponsic [9,10.35]	(98)Protragelaphus	1	0.000000
27	(48)Los Valles de Fuentidueña [9,10.35]	(6)Oriomeryx	1	0.000000
28	(5)Savigné sur Lathan [5,16.1]	(77)Paramachairodus	1	0.000000
29	(50)Kalfa [9,10.35]	(126)Croizetocerus	1	0.000000
30	(58)Crevillente 2 [11,8.6] *	(110)Pliohyrax	1	0.000000
31	(58)Crevillente 2 [11,8.6] *	(2)Cynelos	1	0.000000
32	(6)Artesilla [4,17.5]	(82)Amphimachairodus	1	0.000000
33	(60)Montredon [10,9.25]	(134)Megantereon	1	0.000000
34	(60)Montredon [10,9.25]	(18)Eotragus	1	0.000000
35	(77)Ravin de la Pluie (RPL) [10,9.25]	(17)Prosantorhinus	1	0.000000
36	(82)Samos [12,8.05]	(23)Lagomeryx	1	0.000000
37	(9)Erkertshofen 2 [4,17.5]	(93)Samotherium	1	0.000000
38	(92)Prochoma [11,8.6]	(60)Protragocerus	1	0.000000
39	(97)Brisighella [13,6.2]	(60)Protragocerus	1	0.000000
40	(120)Dafnero (DFN) [17,2.26]	(104)Ceratotherium	1	0.000200
41	(47)Hostalets de Pierola Superior [9,10.35]	(27)Plesiaceratherium	1	0.000200
42	(51)Buzhor 1 [9,10.35]	(104)Ceratotherium	1	0.000200
43	(68)Belka [12,7.65]	(60)Protragocerus	1	0.000200
44	(77)Ravin de la Pluie (RPL) [10,9.25]	(126)Croizetocerus	1	0.000400
45	(40)Eppelsheim [9,10.35]	(89)Palaeoryx	1	0.000600
46	(43)Can Ponsic I [9,10.35]	(89)Palaeoryx	1	0.000600
47	(31)Çandir [6,13.85]	(118)Baranogale	1	0.001800
48	(29)Belometchetskaja [5,16.1]	(73)Dinocrocuta	1	0.002200
49	(73)Novaja Emetovka [12,7.65]	(64)Miotragocerus	1	0.003200
50	(103)Perpignan [15,3.8] *	(103)Bohlinia	1	0.003600
51	(12)Bézian [4,17.5]	(73)Dinocrocuta	1	0.004200
52	(124)Gerakarou 1 (GER) [16,3.02]	(83)Metailurus	1	0.004200
53	(121)Sesklon (SES) [17,2.26]	(113)Plesiogulo	1	0.005000
54	(6)Artesilla [4,17.5]	(52)Hoploaceratherium	1	0.011800
55	(61)Los Mansuetos [12,7.65] *	(39)Hispanotherium	1	0.013800
56	(28)Göriach [5,16.1]	(116)Paracamelus	1	0.027800
57	(123)Liventsovka (Rostov on Don) [17,2.04]	(37)Protaceratherium	1	0.034200
58	(116)Varshets [16,2.66]	(37)Protaceratherium	1	0.045600
59	(56)Puente Minero [11,8.6]	(42)Dicrocerus	1	0.052800
60	(82)Samos [12,8.05]	(116)Paracamelus	1	0.064600

	Site	Genus	X_{nm}	$P(X_{nm} = 1)$
61	(61)Los Mansuetos [12,7.65] *	(108)Felis	1	0.073800
62	(69)Poksheshty [10,9.25]	(47)Amphitragulus	1	0.082000
63	(66)Concud [12,7.65]	(107)Hyaenotherium	1	0.089000
64	(117)Stavropol Kavkazskij [15,3.53]	(90)Helladotherium	1	0.104400
65	(118)Chilhac [17,2.26]	(62)Propotamochoerus	1	0.131200
66	(114)Senèze [17,2.26]	(102)Mustela	1	0.143600
67	(96)Çobanpinar (AS 42) [12,7.65]	(80)Dremotherium	1	0.197000
68	(66)Concud [12,7.65]	(99)Oioceros	1	0.201400
69	(28)Göriach [5,16.1]	(80)Dremotherium	1	0.211800
70	(68)Belka [12,7.65]	(36)Protictitherium	1	0.353800
71	(43)Can Ponsic I [9,10.35]	(44)Heteroprox	1	0.543200
72	(87)Vathylakkos 3 (VAT) [11,8.6]	(11)Martes	1	0.569600
73	(9)Erkertshofen 2 [4,17.5]	(33)Deinotherium	1	0.653000
74	(101)Kosyakino [14,4.75]	(83)Metailurus	1	0.654000
75	(96)Çobanpinar (AS 42) [12,7.65]	(117)Sus	1	0.738000
76	(66)Concud [12,7.65]	(91)Orycteropus	1	0.780200
77	(100)Montpellier [14,4.75]	(75)Microstonyx	1	0.801600
78	(74)Eldari I [9,9.55]	(99)Oioceros	1	0.812200
79	(27)Vieux Collonges [5,16.6]	(50)Listriodon	1	0.930200
80	(39)Sant Quirze [7,11.85]	(44)Heteroprox	1	0.931400
81	(88)Middle Sinap [9,10.1]	(109)Ancylotherium	1	0.940400
82	(33)Simorre [6,13.2]	(57)Dryopithecus	1	0.961600
83	(50)Kalfa [9,10.35]	(59)Parachleuastochoerus	1	0.967400
84	(85)Kemiklitepe A B [12,7.65]	(106)Pliocervus	1	0.983800
85	(68)Belka [12,7.65]	(85)Lycyaena	1	0.988000
86	(25)Stätzling [6,13.85]	(34)Prodeinotherium	1	0.992200
87	(8)Buñol [4,17.5]	(5)Cainotherium	1	0.993800
88	(34)La Grive St. Alban [7,11.85]	(44)Heteroprox	1	0.999600
89	(37)Massenhausen [9,11]	(59)Parachleuastochoerus	1	0.999800
90	(40)Eppelsheim [9,10.35]	(50)Listriodon	1	0.999800
91	(63)Cerro de la Garita [12,7.65]	(81)Cremohipparion	1	0.999800
92	(14)La Romieu [4,17.5] *	(23)Lagomeryx	1	1.000000
93	(25)Stätzling [6,13.85]	(15)Gomphotherium	1	1.000000
94	(26)Neudorf Spalte [6,13.85]	(4)Semigenetta	1	1.000000
95	(44)Hostalets de Pierola Inferior [7,11.85]	(11)Martes	1	1.000000
96	(68)Belka [12,7.65]	(62)Propotamochoerus	1	1.000000
97	(74)Eldari I [9,9.55]	(62)Propotamochoerus	1	1.000000
98	(76)Maragheh [12,8.05]	(62)Propotamochoerus	1	1.000000
99	(80)Pentalophos 1 (PNT) [10,9.25]	(75)Microstonyx	1	1.000000
100	(91)Mahmutgazi [12,7.65]	(72)Hipparion	1	1.000000