S2 Table. Short term changes in detection following placement of attractants for seven carnivores and three prey species documented during three surveys in Kibale National Park, Uganda in 2013 - 2014. Two -tailed probability was calculated using a standard permutation test. Detection rates that differ significantly from random predictions are highlighted in bold. P-values < 0.025 suggest reduced station use and values > 0.975 suggest increased station use. We restricted analysis to 7 days after replacement of attractants in order to focus on short term responses.

	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
African golden cat							
Photographic events	14	22	23	25	29	32	20
Observed det prob	0.085	0.133	0.139	0.152	0.176	0.194	0.121
Random det prob	0.149	0.148	0.148	0.148	0.142	0.139	0.125
p-value	**0.004**	0.298	0.379	0.564	0.889	**0.971**	0.451
Serval							
Photographic events	5	6	6	1	4	3	2
Observed det prob	0.185	0.222	0.222	0.037	0.148	0.111	0.074
Random det prob	0.151	0.152	0.149	0.146	0.144	0.133	0.124
p-value	0.704	0.847	0.835	0.030	0.534	0.372	0.197
African palm civet							
Photographic events	28	30	24	15	13	4	10
Observed det prob	0.226	0.242	0.194	0.121	0.105	0.032	0.081
Random det prob	0.150	0.148	0.146	0.147	0.143	0.141	0.123
p-value	**0.987**	**0.995**	0.911	0.226	0.126	**0.001**	0.092
African civet							
Photographic events	52	60	62	50	54	33	34
Observed det prob	0.151	0.174	0.18	0.145	0.157	0.096	0.099
Random det prob	0.151	0.150	0.150	0.148	0.142	0.138	0.121
p-value	0.495	0.886	0.931	0.440	0.782	**0.013**	0.093
Servaline genet							
Photographic events	45	70	55	67	48	50	48
Observed det prob	0.117	0.183	0.144	0.175	0.125	0.131	0.125
Random det prob	0.148	0.148	0.149	0.146	0.144	0.138	0.126
p-value	0.041	0.961	0.391	0.942	0.138	0.312	0.453

	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Rusty-spotted genet							
Photographic events	111	93	89	89	64	79	66
Observed det prob	0.188	0.157	0.151	0.151	0.108	0.134	0.112
Random det prob	0.154	0.152	0.151	0.149	0.141	0.134	0.120
p-value	**0.989**	0.628	0.496	0.558	**0.01**	0.497	0.274
Marsh mongoose							
Photographic events	213	237	250	228	207	183	161
Observed det prob	0.144	0.16	0.169	0.154	0.14	0.124	0.109
Random det prob	0.149	0.148	0.147	0.147	0.144	0.141	0.124
p-value	0.291	0.886	**0.986**	0.737	0.314	0.027	0.055
Blue duiker							
Photographic events	33	40	53	61	49	52	50
Observed det prob	0.098	0.118	0.157	0.180	0.145	0.154	0.148
Random det prob	0.148	0.149	0.148	0.148	0.144	0.139	0.124
p-value	**0.003**	0.044	0.683	0.955	0.527	0.802	0.911
Red duiker							
Photographic events	36	35	43	64	53	59	47
Observed det prob	0.107	0.104	0.128	0.190	0.157	0.175	0.139
Random det prob	0.147	0.148	0.148	0.147	0.143	0.141	0.125
p-value	**0.014**	**0.006**	0.118	**0.991**	0.781	0.969	0.803
Giant forest rat							
Photographic events	43	44	41	35	29	22	26
Observed det prob	0.179	0.183	0.171	0.146	0.121	0.092	0.108
Random det prob	0.148	0.147	0.147	0.145	0.144	0.141	0.128
p-value	0.899	0.931	0.853	0.500	0.159	**0.012**	0.187