

Table 2: Stimuli used in Experiment 2 and statistics of the priors measure in the prior elicitation task. *Potential to be present* is a measure of how many different kinds are expected to have the property. Mean prevalence when present is a measure of how widespread the property is expected to be, assuming that it is present within a kind. Maximum A-Posteriori (MAP) estimates and 95% Highest Probability Density Intervals are shown for each measure. The majority of these items are taken from Cimpian et al. (2010)

Property type	Item	Potential to be present θ	Mean prevalence when present γ
Body part	fur	0.78 [0.81, 0.69]	0.90 [0.828, 0.93]
	skin	0.89 [0.93, 0.85]	0.89 [0.853, 0.93]
	feathers	0.68 [0.74, 0.61]	0.90 [0.827, 0.91]
	legs	0.88 [0.93, 0.81]	0.87 [0.819, 0.94]
	tails	0.75 [0.82, 0.65]	0.91 [0.881, 0.93]
	ears	0.85 [0.89, 0.80]	0.88 [0.839, 0.91]
	claws	0.73 [0.74, 0.61]	0.87 [0.749, 0.89]
Color	teeth	0.83 [0.88, 0.77]	0.88 [0.810, 0.91]
	silver legs	0.37 [0.46, 0.30]	0.58 [0.472, 0.64]
	yellow fur	0.53 [0.65, 0.48]	0.69 [0.594, 0.76]
	violet skin	0.39 [0.51, 0.33]	0.63 [0.524, 0.74]
	orange ears	0.46 [0.54, 0.35]	0.60 [0.488, 0.69]
	blue claws	0.38 [0.44, 0.26]	0.66 [0.481, 0.69]
	pink teeth	0.22 [0.37, 0.21]	0.54 [0.421, 0.66]
Vague	orange tails	0.51 [0.57, 0.38]	0.65 [0.581, 0.75]
	purple feathers	0.48 [0.54, 0.36]	0.64 [0.509, 0.72]
	big claws	0.63 [0.70, 0.55]	0.78 [0.682, 0.84]
	long teeth	0.60 [0.66, 0.50]	0.73 [0.694, 0.84]
	rough skin	0.62 [0.72, 0.55]	0.74 [0.672, 0.80]
	curly fur	0.55 [0.64, 0.48]	0.76 [0.669, 0.82]
	long legs	0.63 [0.68, 0.55]	0.76 [0.680, 0.83]
Common accidental	smooth feathers	0.62 [0.68, 0.50]	0.80 [0.692, 0.83]
	long tails	0.62 [0.69, 0.53]	0.82 [0.738, 0.85]
	small ears	0.65 [0.70, 0.55]	0.81 [0.751, 0.85]
	torn tails	0.47 [0.54, 0.32]	0.23 [0.202, 0.35]
	wet fur	0.57 [0.66, 0.47]	0.45 [0.376, 0.56]
	dusty skin	0.45 [0.56, 0.39]	0.44 [0.393, 0.58]
	torn feathers	0.46 [0.58, 0.40]	0.29 [0.218, 0.35]
Rare accidental	fungus-covered fur	0.37 [0.51, 0.29]	0.37 [0.294, 0.49]
	worn-out claws	0.54 [0.62, 0.46]	0.41 [0.336, 0.54]
	muddy feathers	0.41 [0.58, 0.36]	0.39 [0.291, 0.45]
	sore teeth	0.39 [0.51, 0.33]	0.25 [0.188, 0.33]
	broken legs	0.30 [0.44, 0.23]	0.13 [0.098, 0.17]
	swollen ears	0.42 [0.52, 0.32]	0.24 [0.196, 0.34]
	itchy tails	0.37 [0.48, 0.28]	0.33 [0.231, 0.38]
	rotten teeth	0.56 [0.62, 0.42]	0.31 [0.225, 0.39]
	sore legs	0.43 [0.53, 0.34]	0.24 [0.209, 0.34]
	cracked claws	0.50 [0.60, 0.36]	0.24 [0.194, 0.36]
	infected ears	0.42 [0.54, 0.34]	0.18 [0.131, 0.23]
	burned skin	0.32 [0.40, 0.23]	0.19 [0.133, 0.25]