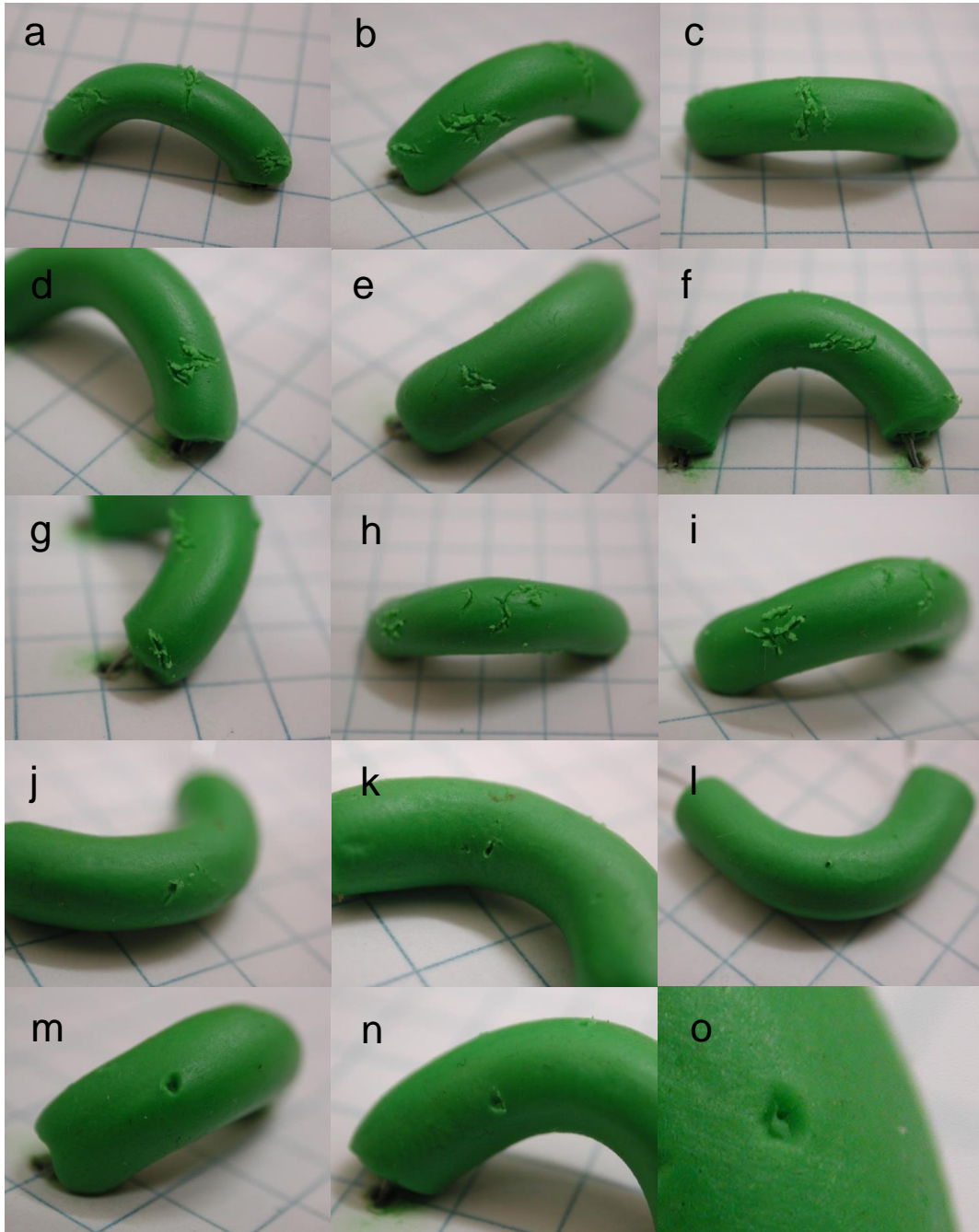
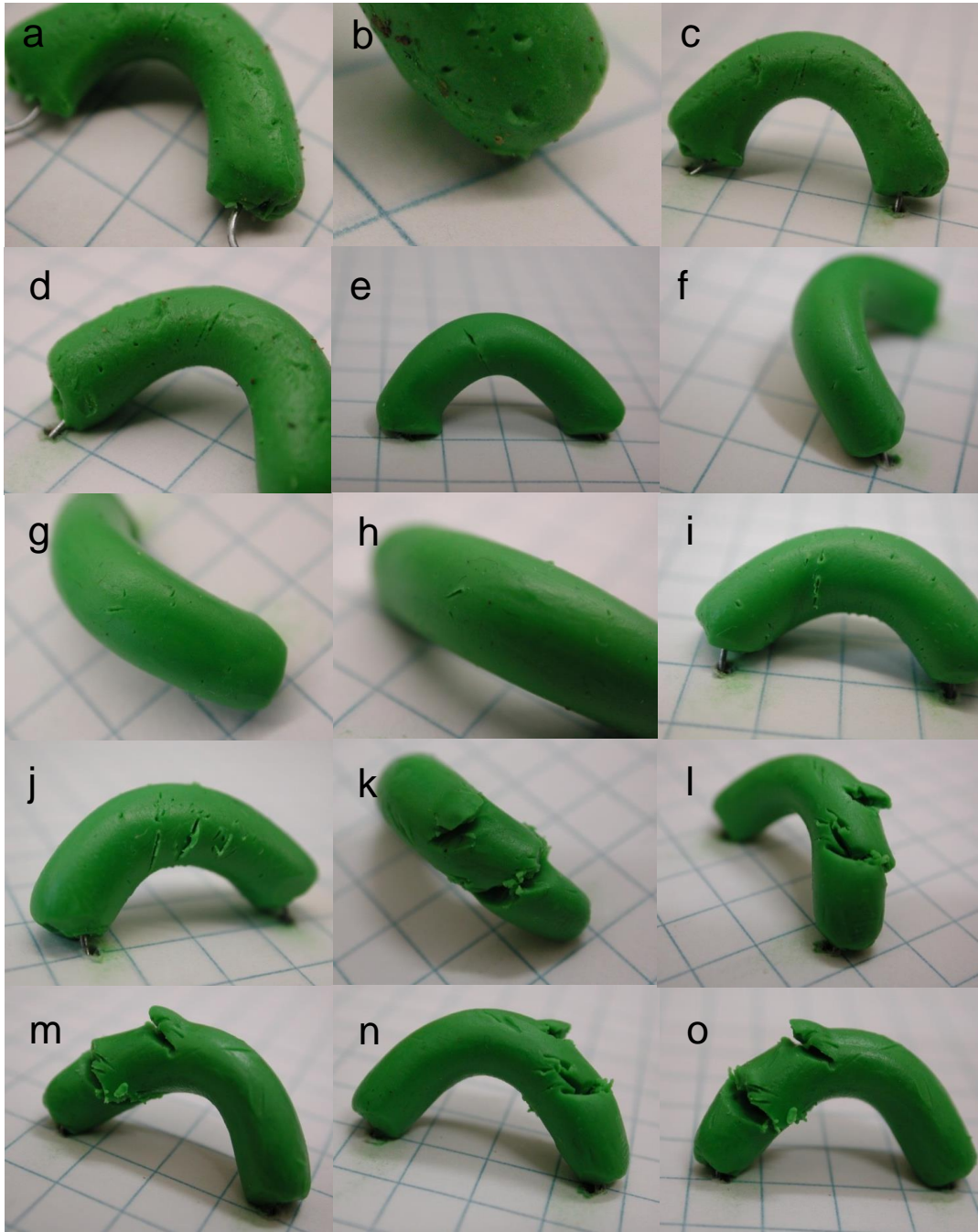


**Fig. S1.** Arthropod attack marks. (a-e Huntsman spider Sparassidae [W]; f Flat rock spider *Morebilus plagusius* [C]; g-h Jumping spider Salticidae [W]; i-m Sydney funnel-web spider *Atrax robustus* [C]; n-o Redback spider *Latrodectus hasselti* [C].) Models on 5mm grid; C = captive animal, W = wild animal.

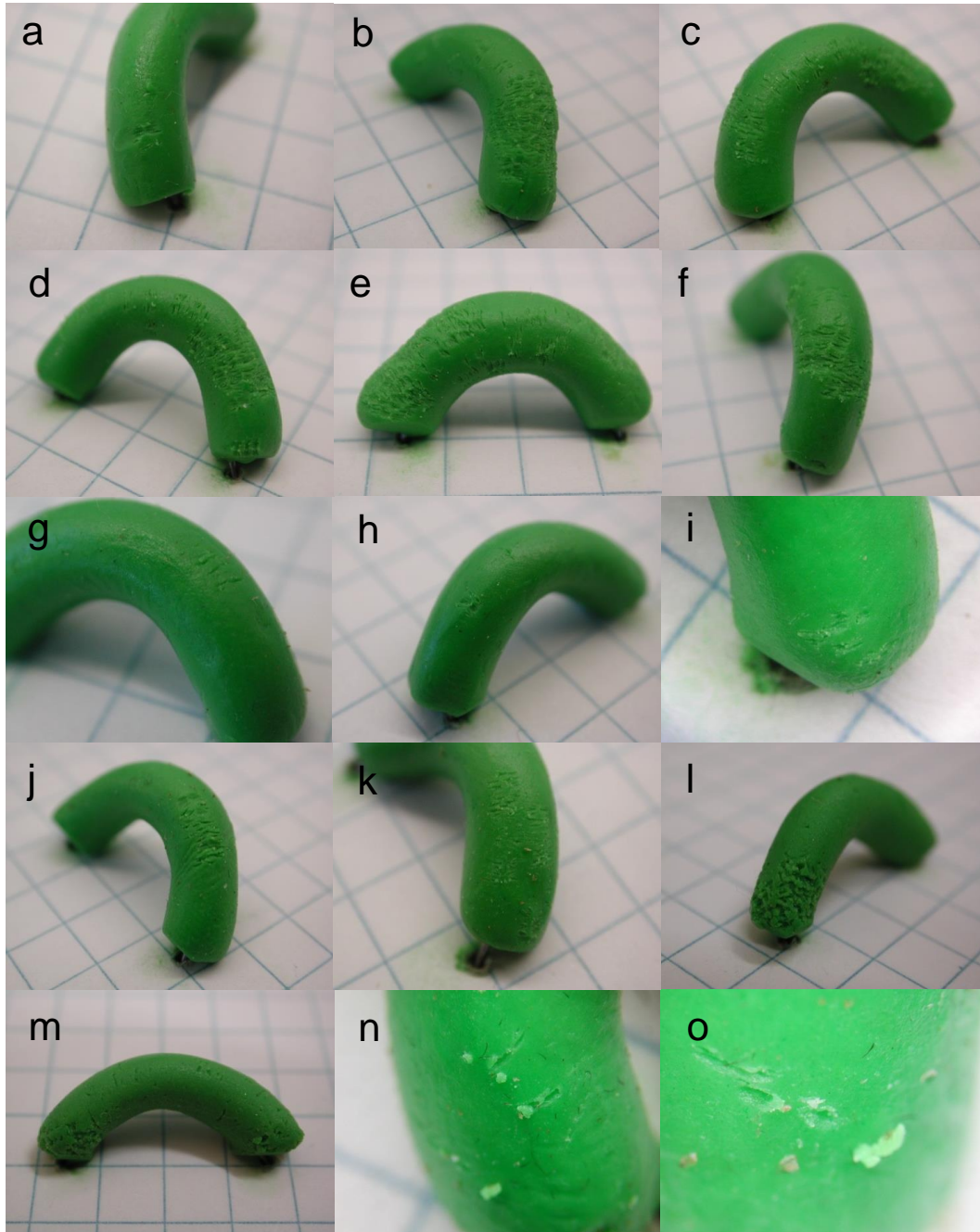


**Fig. S2.** Arthropod attack marks. (a-i Ichneumonid wasp Ichneumonidae [W]; j-l Ichneumonid wasp Ichneumonidae [S; ovipositor/stinger]; m-o European wasp *Vespula germanica* [S; stinger]. Models on 5mm grid; W = wild animal, S = simulated attack.

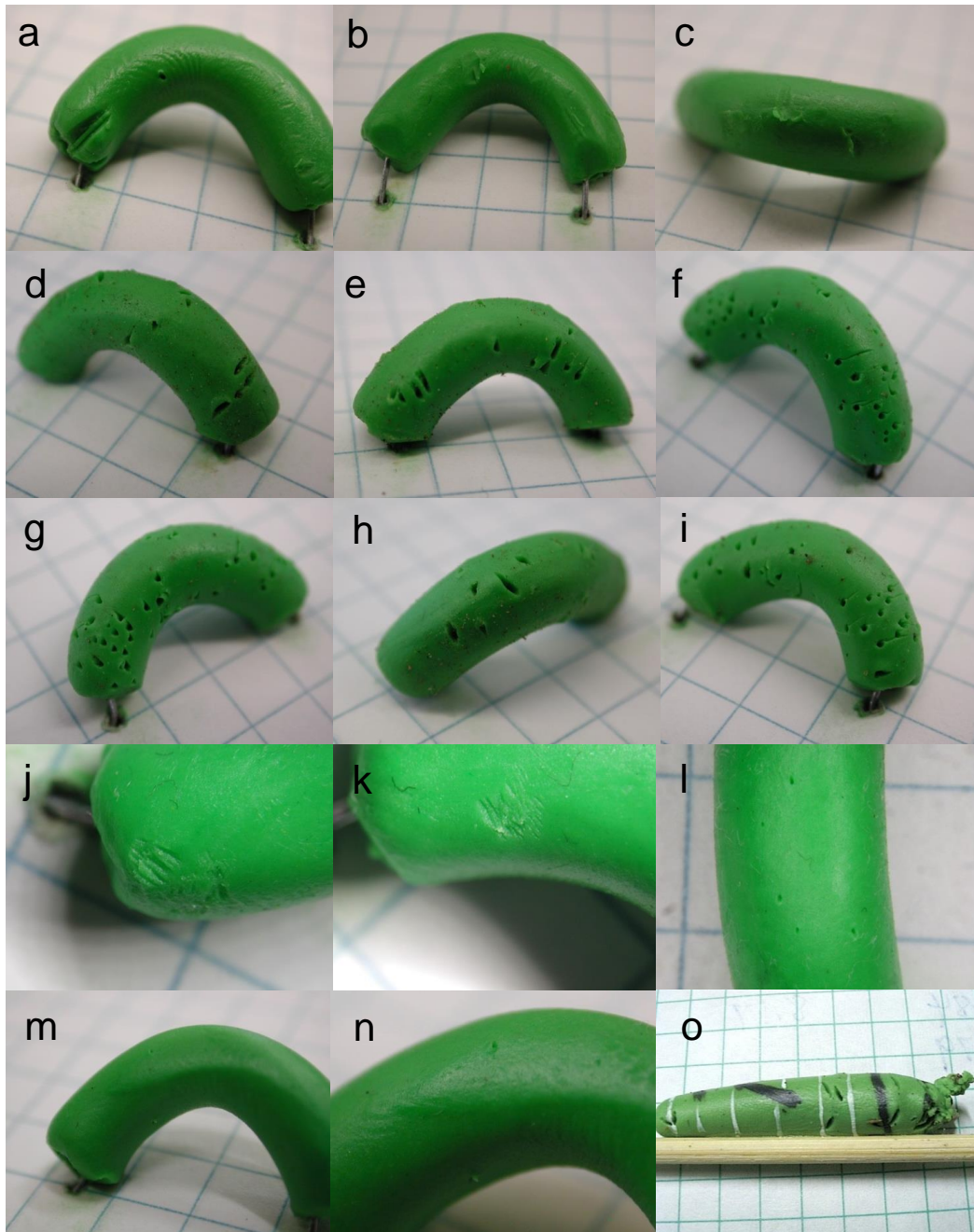


**Fig. S3.** Arthropod attack marks. (a-d Bull ants *Myrmecia gulosa* [C]; e-j Bull ants *Myrmecia* sp. [W]; k-o Raspy cricket Gryllacrididae [C].) Models on 5mm grid; C = captive animal, W = wild animal.



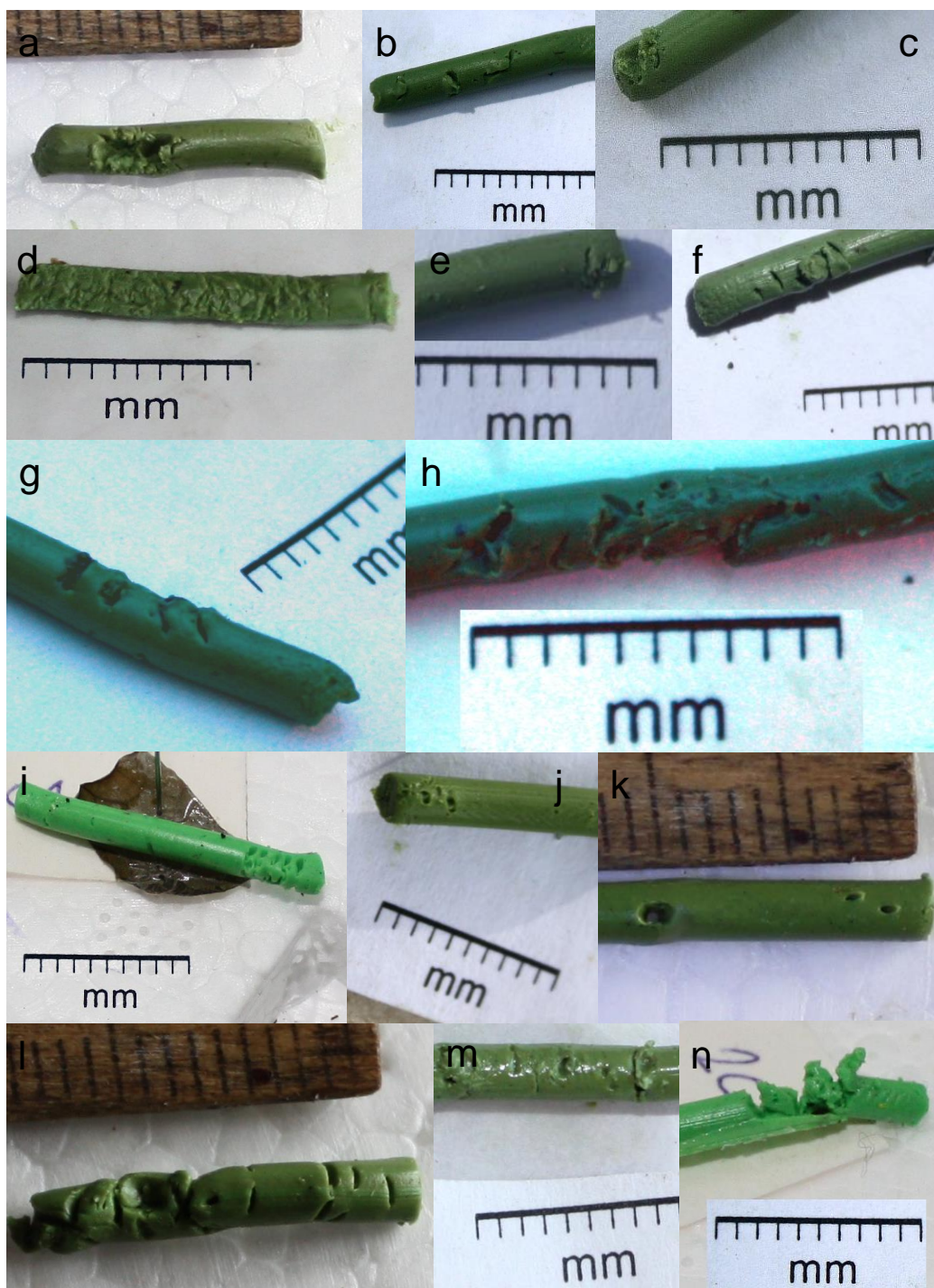


**Fig. S4.** Arthropod attack marks. (a-g Australian plague locust *Chortoicetes terminifera* [C]; h-i Spur-throated locust *Austracis guttulosa* [C]; j-k Migratory locust *Locusta migratoria* [C]; l-o House cricket *Acheta domestica* [C].) Models on 5mm grid; C = captive animal.

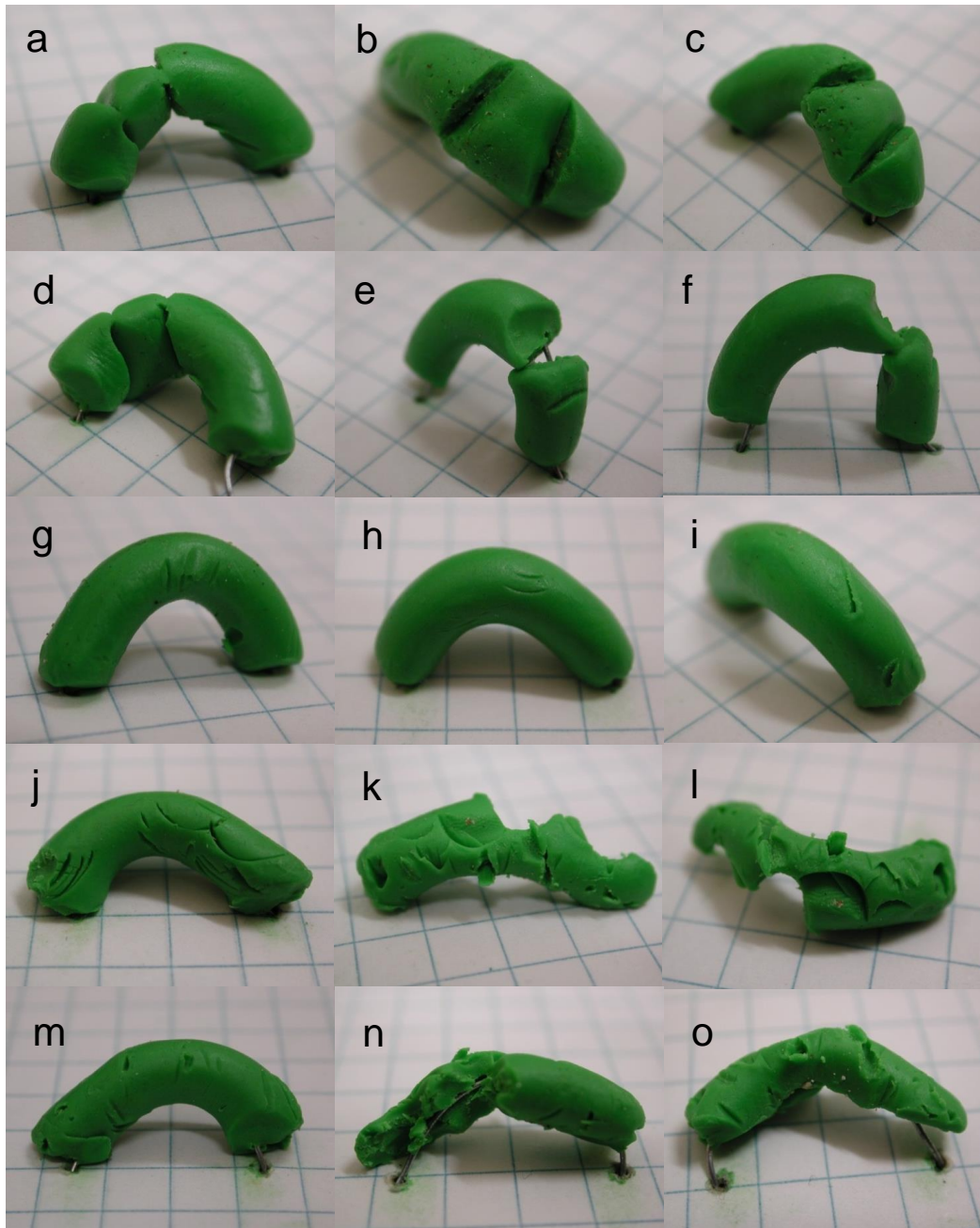


**Fig. S5.** Arthropod attack marks. (a-c Fish-killer water bug *Lethocerus* sp. [C]; d-i Ground beetle Carabidae [W]; j-k Cockroach Blattaria [W]; l Robber fly Asilidae [W]; m-n Centipede Chilopoda [W]; o unknown arthropod [W].) Models on 5mm grid; C = captive animal, W = wild animal.





**Fig. S6.** Arthropod attack marks. (a-f ant; g-h beetle; i grasshopper; j bee; k parasitic wasp; l-n wasp.)



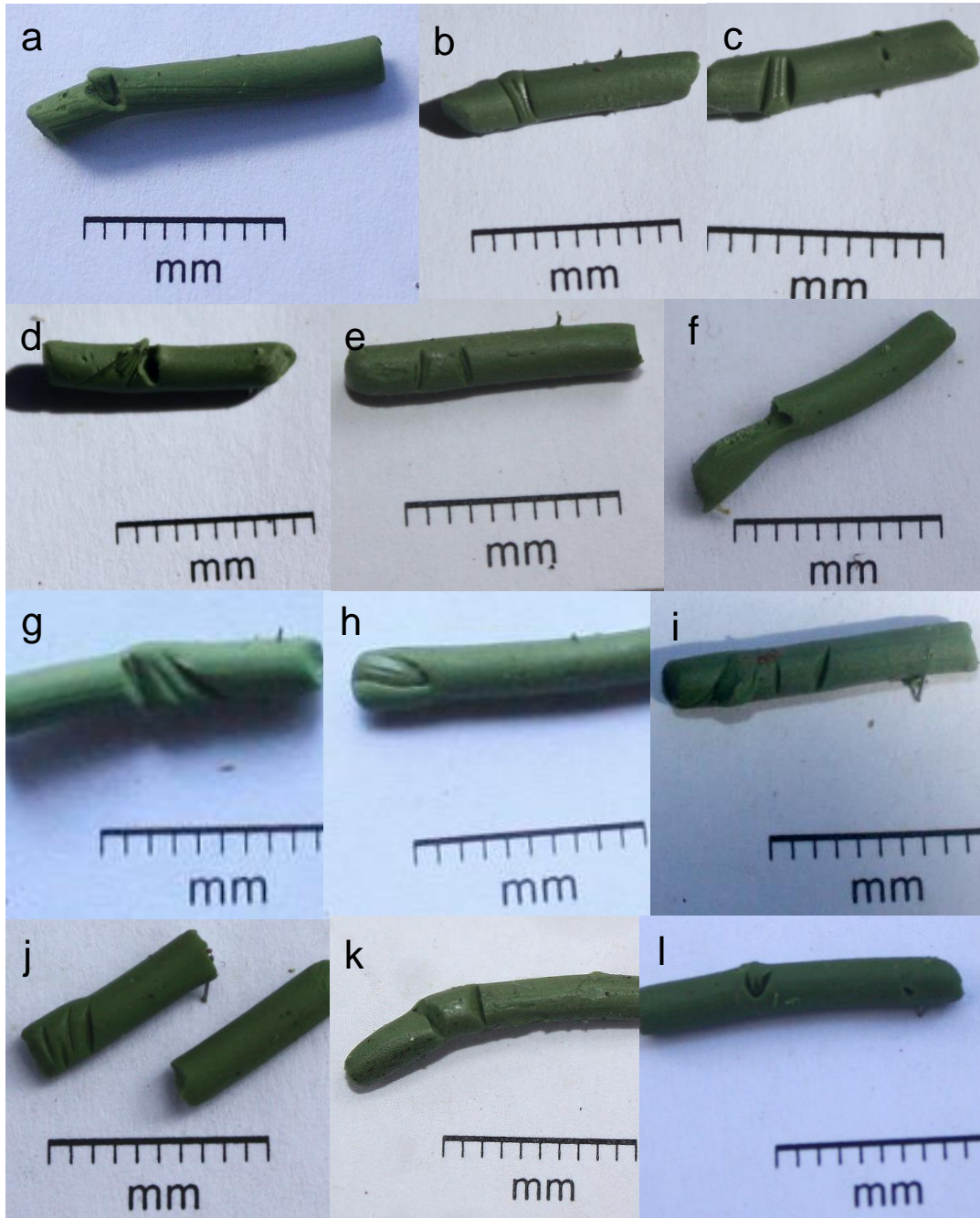
**Fig. S7.** Bird attack marks. (a-f Kookaburra *Dacelo novaeguineae* [C]; g Bowerbird *Ptilonorhynchus violaceus* [C; tentative attack]; h-i Princess parrot *Polytelis alexandrae* [C; tentative attack]; j-o Crimson rosella *Platycercus elegans* [W].) Models on 5mm grid; C = captive animal, W = wild animal.



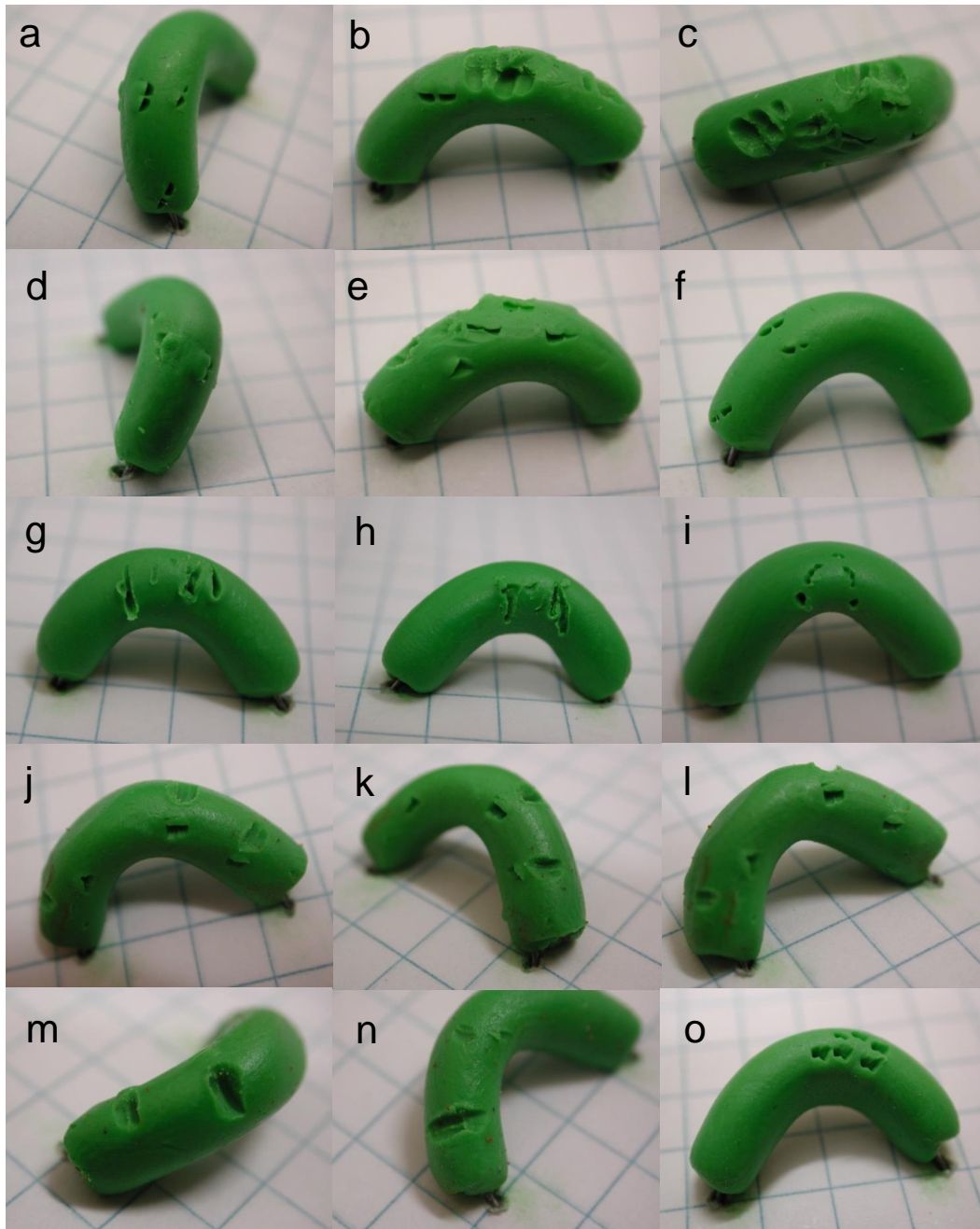


**Fig. S8.** Bird attack marks. (a unknown bird [W]; b Bush stone-curlew *Burhinus grallarius* [C]; c-f Eclectus parrot *Eclectus roratus* [C]; g-i Red-tailed black cockatoo *Calyptorhynchus banksii* [C]; j-l Galah *Cacatua roseicapilla* [C; tentative attack]; m-n Tawny frogmouth *Podargus strigoides* [C].) Models on 5mm grid; C = captive animal, W = wild animal.

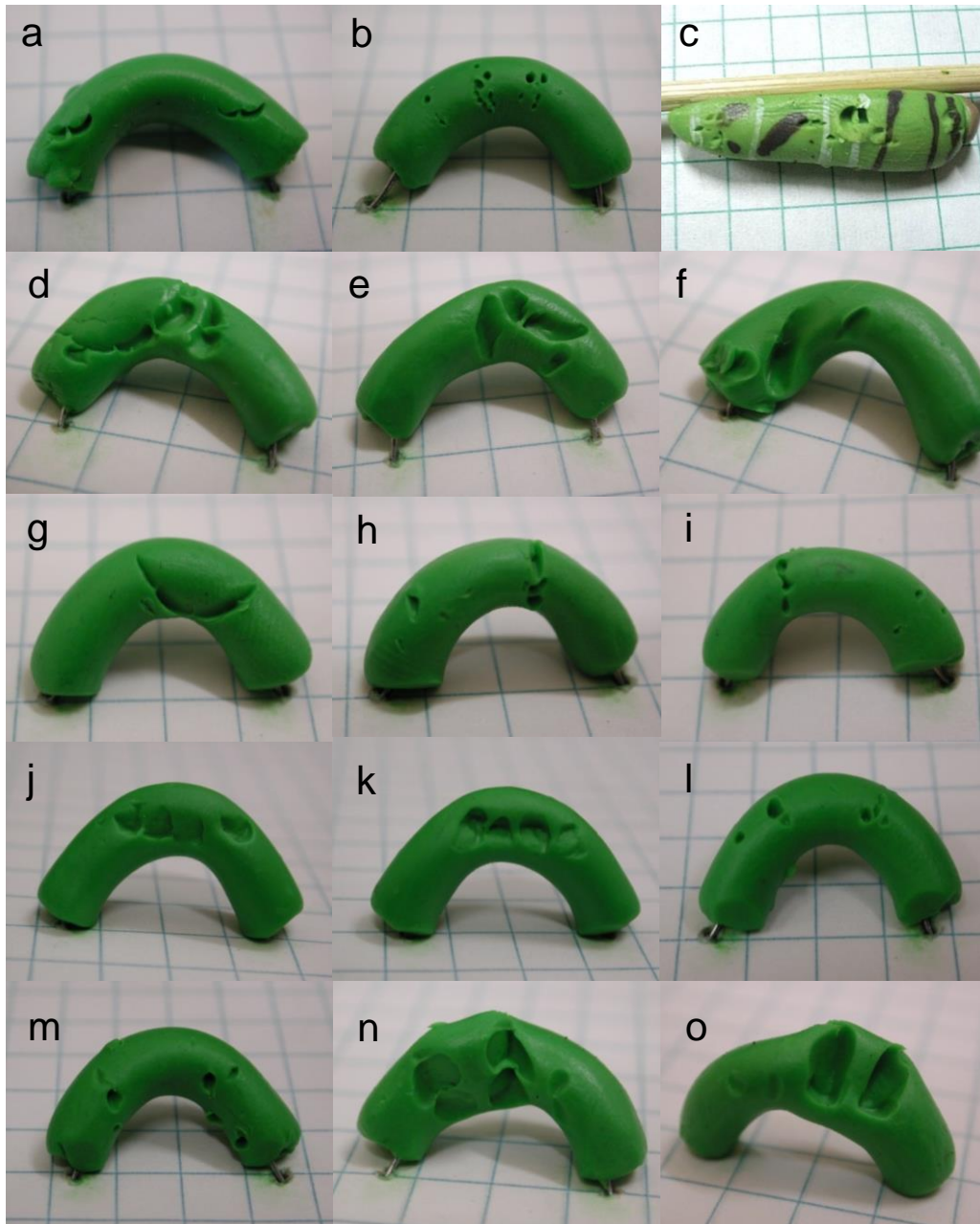




**Fig. S9.** Bird attack marks. (a-c dimorphic fantail *Rhipidura brachyrhyncha*; d black fantail *Rhipidura atra*; e blue-grey robin *Peneothello cyanus*; f white-winged robin *Peneothello sigillatus*; g-h mottled whistler *Rhagologus leucostigma*; i Sclater's whistler *Pachycephala soror*; j smoky honeyeater *Melipotes* sp.; k black pitohui *Pitohui nigrescens*; l large scrubwren *Sericornis nouhuysi*.)



**Fig. S10.** Mammal attack marks. (a-f Black rat *Rattus rattus* [W]; g-h Yellow-footed antechinus *Antechinus flavipes* [M]; i Brown antechinus *Antechinus stuartii* [M; top jaw]; j-n Spinifex hopping mouse *Notomys alexis* [C]; o House mouse *Mus musculus* [M; top jaw].) Models on 5mm grid; M = museum specimen, C = captive animal, W = wild animal.



**Fig. S11.** Mammal attack marks. (a Guinea pig *Cavia porcellus* [C]; b Dunnart *Sminthopsis* sp. [M; top jaw]; c unknown rodent [W]; d-f Golden brushtail possum *Trichosurus vulpecula* [C]; g Brushtail possum *Trichosurus vulpecula* [M; top jaw]; h-i Ringtail possum *Pseudocheirus peregrinus* [M]; j-k Tasmanian devil *Sarcophilus harrisi* [M]; l-m Eastern quoll *Dasyurus viverrinus* [M]; n-o Rufous bettong *Aepyprymnus rufescens* [C].) Models on 5mm grid; M = museum specimen, C = captive animal, W = wild animal.





**Fig. S12.** Reptile attack marks. (a-c Eastern blue-tongue lizard *Tiliqua scincoides* [C]; d-f Northern giant cave gecko *Pseudothecadactylus lindneri* [C]; g-i Eastern bearded dragon *Pogona barbata* [C]; j-k Central bearded dragon *Pogona vitticeps* [C]; l-o Spotted python *Antaresia maculosa* [C; more of a scrape than a bite].) Models on 5mm grid; C = captive animal.