**H. saccophora**

*(sacco =* bag*, phora* = to carry)

case type: cone

habitat: lives on exposed rocks, Wai‘anae volcano, O‘ahu island

diet: lichen and fungi

length: 10mm

case description: embedded with sand and pebbles, dark and rough on top, sliver and smooth underneath, has a hinged door

notes: pebbles along the top of the case resemble *Stegosaurus* plates

**H. kahamanoa**

*(kaha =* beside*, manoa* = stream on O‘ahu island)

case type: cone

habitat: lives in and near streams of Ko‘olau volcano, O‘ahu island

diet: algae

length: 10mm

case description: embedded with pebbles, lichen, algae, dark and rough on top, smooth and sliver underneath, has a hinged door

notes: amphibious caterpillar that can breathe both water and air

**H. pupumoehewa**

*(pupu =* snail*, moehewa* = nightmare)

case type: cone

habitat: lives on trees, Haleakala volcano, Maui

diet: snails

length: 5mm

case description: very narrow, embedded with pebbles, lichen, and snail shells

notes: ties snails to leaves using silk, climbs into the shell and eats the snail alive

**H. aumakuawai**

*(aumakua =* ancestor spirit*, wai* = water)

case type: burrito

habitat: lives in and near streams of east Kauai island

diet: algae

length: 7mm

case description: dark brown/gray, embedded with sand and pebbles, has a hinged door

notes: amphibious caterpillar that can breathe both water and air

**H. papaiili**

*(papa‘i =* crab*, ili* = bark)

case type: crab

habitat: lives on tree bark, Haleakala volcano, Maui island

diet: lichen

length: 10mm

case description: brown color with lines that resemble wood grain, entrance at both ends

notes: very well camouflaged

**H. lignivora**

*(ligni =* wood*, vora* = eater)

case type: giant purse

habitat: lives under bark of dead wood on O‘ahu island

diet: wood

length: 17mm

case description: dark brown and smooth, entrance at both ends

notes: largest *Hyposmocoma* species, no termites in ancient Hawaii, *H. lignivora* is the native wood recycler

**E. trivitella**

case type: does not make a chrysalis case

habitat: mines into leaves, Kauai island

diet: green tissue inside leaves

length: 3mm

notes: this species is not a *Hyposmocoma*, instead it is from a closely related subgenus called *Euperissus*

**H. aumakuawai**

**H. kahamanoa**

**H. lignivora**

**H. papaiili**

**H. pupumoehewa**

**H. saccophora**

**E. trivitella**