

# Diplazium arnottii Brack.

## Family

Athyriaceae

## Hawaiian Name

ho'i'o, pohole

## Synonyms

*Asplenium arnottii* (Brack.) Baker; *Asplenium brevisorum* sensu Hook. & Baker, non Wall; *Asplenium diplaziodes* Hook. & Arn.; *Athyrium arnottii* (Brack.) Milde; *Athyrium gaudichaudii* Fée; *Diplazium meyenianum* sensu auct., non C. Presl

## Habitat

terrestrial.

## Description

Rhizomes (stems): decumbent, 2.5-5 cm diam., with scales. Scales medium to dark brown (may be tinged red), concolorous.

Fronds (leaves): erect (may be arching or drooping), up to 120 cm long, not proliferous.

Stipes (petioles): not winged, grooved, light brown/tan/straw-colored, with scales. Scales medium to dark brown (may be tinged red), concolorous, sparse or dense only at base, glabrous distally, lanceolate/ovate.

Vasculature at base of stipe (petiole): two elongate/crescent-shaped vascular bundles.

Blades: bipinnate-pinnatifid/pinnatisect, triangular/deltate or lanceolate/ovate, margins entire to dentate, chartaceous, glabrous.

Veins: prominent, free, not uniting to form a marginal or costal commissural vein, not uniting to form an excurrent vein to sinuses, forked once (rarely two or more times).

Pinnae: alternate, 9-11 pairs, lanceolate/ovate.

Ultimate segments: 6-8 mm wide, oblong, obtuse or truncate.

Rachises (midribs): not winged, grooved, glabrous.

Costae: costal groove continuous with rachis groove, glabrous.

Sori: 3-6 mm long, linear along veins, in lines extending toward margin, sometimes doubled near bases of pinnae, paraphyses absent.

Indusia: present, linear, opening toward midrib (inward) or occasionally toward lamina margin (outward).

## Island Distribution



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Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, and Hawai'i

**Status**

Endemic

**Occurrence**

Frequent in mesic to wet forests and along stream banks

**Elevational Range**

150-1700 m