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| **Taxa** | **Transversal section** | **Longitudinal sections** |
| **Radial** | **Tangential** |
| *Caesalpinia aphylla* | Wood semi-ring-porous, vessels mostly solitary, apotracheal parenchyma | Rays heterocellular, simple perforation plates  | Rays 3-4 seriate, ray height > 1mm |
| *Escallonia angustifolia* | Growth ring boundaries indistinct, wood diffuse-porous, vessels exclusively solitary, paratracheal and vasicentric parenchyma | Rays heterocellular, simple perforation plates, thin helical thickenings | Rays 1-2 seriate, ray height 8- 13 cells |
| *Myrica pavonis* | Growth ring boundaries distinct, wood semi-ring-porous, vessels mostly solitary, paratracheal parenchyma | Rays heterocellular, simple and scalariform perforation plates, bordered pits | Rays 1-3 seriate, ray height 5-14 cells |
| *Prosopis tamarugo* | Growth ring boundaries distinct and indistinct, and indistinct, wood ring-porous/wood diffuse-porous, vessels mostly solitary, sometimes clustered by 2, apotracheal and paratracheal, vasicentric parenchyma  | Rays homocellular, simple perforation plates, vestured pits | Rays 1-3 seriate, ray height 9-40 cells |
| *Schinus molle* | Growth ring boundaries distinct and indistinct, and indistinct, wood semi-ring-porous, vessels in diagonal, paratracheal parenchyma | Rays heterocellular, helical thickenings, simple perforation plates, rounded and bordered pits | Rays 1-3 seriate, ray height 3-24 cells, radial resiniferous canals  |

Supplemental Table 2. Description of Three Anatomical Cuts of Identified Taxa.