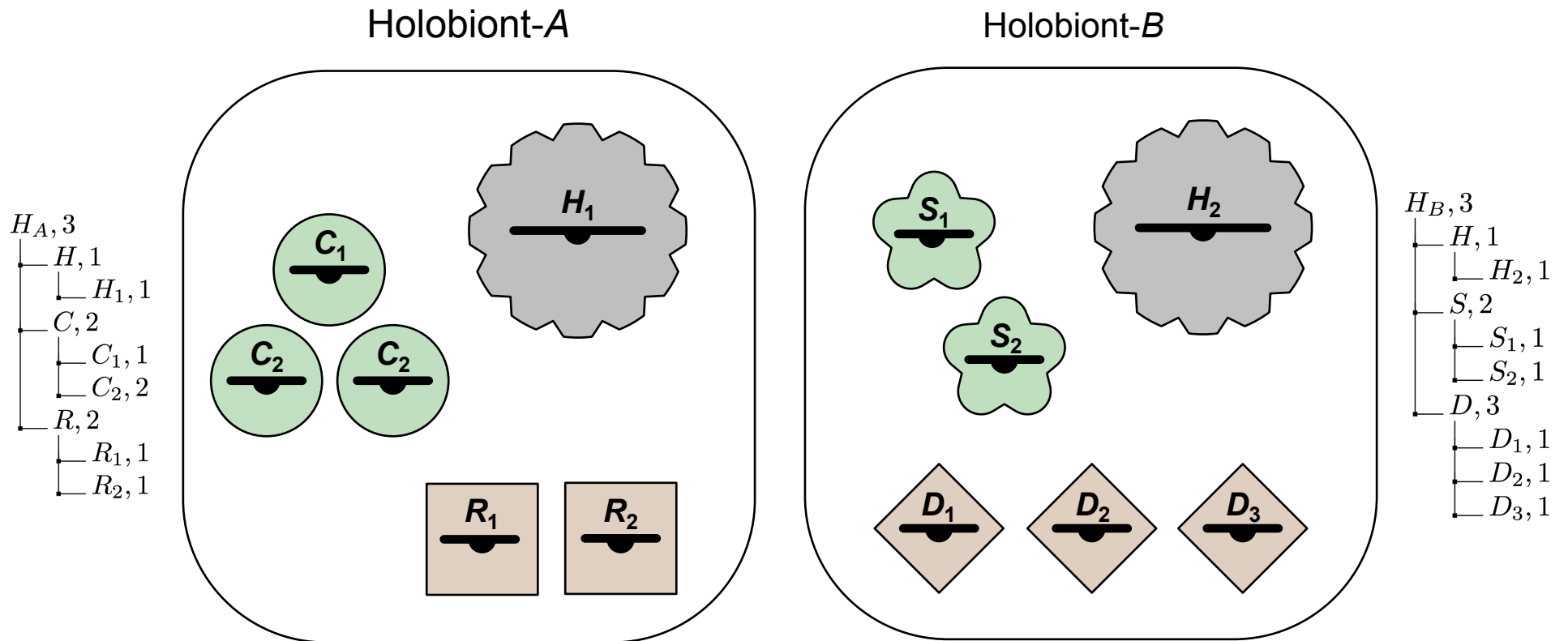# Two Hologenotypes from the Hologenome of Holobionts with Two Host Niches and Four Symbiont Taxa

$$\mathbf{H}_A = \{H_A, 3, \{\{H, 1, \{\{H_1, 1\}\}\}, \{C, 2, \{\{C_1, 1\}, \{C_2, 2\}\}\}, \{R, 2, \{\{R_1, 1\}, \{R_2, 1\}\}\}\}\}$$

$$\mathbf{H}_B = \{H_B, 3, \{\{H, 1, \{\{H_2, 1\}\}\}, \{S, 2, \{\{S_1, 1\}, \{S_2, 1\}\}\}, \{D, 3, \{\{D_1, 1\}, \{D_2, 1\}, \{D_3, 1\}\}\}\}\}$$