Eocrinoidea Lyracystis radiata removed a priori Yanjiahella biscarpa Vetulocystis catenata -Beidazoon venustum Vetulicola cuneata Crinoidea Aethocrinus Eocrinoidea Akadocrinus Rhombifera Macrocystella ∬∟Rhombifera Pleurocystites 100% Eocrinoidea Ubaghsicystis Eocrinoidea Gogia Eocrinoidea Kinzercystis Edrioasteroidea Camptostroma 98% <sup>ŏ</sup>0%Helicoplacus Lelicocystis moroccoensis 93% Edrioasteroidea Kailidiscus chinensis -Edrioasteroidea Stromatocystites Solute Castericystis vali 99% Solute Coleicarpus sprinklei 83%-Cornute Ceratocystis perneri Cornute Ponticulocarpus Mitrate Lagynocystis pyramidalis Mitrate Mitrocystella incipiens 94%Ctenocystoid Courtessolea Ctenoimbricata spinosa Cinctan Bohemiacinctus havliceki Banffia constricta 90% —Pterobranch Cephalodiscus ∟Pterobranch Rhabdopleura 97% Hemichordata Oesia <sup>⊊</sup>Enteropneusta Spengelidae Glandiceps Enteropneusta Harrimaniidae Saccoglossus Hemichordata Spartobranchus -Hemichordata Gyaltsenglossus -Rotadiscus -Herpetogaster collinsi Phlogites longus 83% Shankouclava anningense Leaf stability 91% Tunicata Ciona Unstable Cephalochordata Branchiostoma Amiskwia sagittiformis Stable

## Eocrinoidea Lyracystis radiata removed a posteriori



