Enteropneusta Harrimaniidae Saccoglossus removed a priori Eocrinoidea Gogia -Beidazoon venustum Vetulicola cuneata Eocrinoidea Akadocrinus Rhombifera Macrocystella Rhombifera Pleurocystites Eocrinoidea Ubaghsicystis 100% Eocrinoidea Lyracystis radiata Eocrinoidea Kinzercystis Crinoidea Aethocrinus Edrioasteroidea Camptostroma <sup>8</sup>0<sup>24</sup>Helicoplacus 95% -Helicocystis moroccoensis 92% Edrioasteroidea Kailidiscus chinensis Edrioasteroidea Stromatocystites Solute Castericystis vali -Solute Coleicarpus sprinklei 77%-Cornute Ceratocystis perneri 100% Cornute Ponticulocarpus 99% r-Mitrate Lagynocystis pyramidalis ∟Mitrate Mitrocystella incipiens 95%Ctenocystoid Courtessolea 00% Ctenoimbricata spinosa Cinctan Bohemiacinctus havliceki Vetulocystis catenata Banffia constricta Yanjiahella biscarpa 86% Pterobranch Cephalodiscus -Pterobranch Rhabdopleura 91% 100% Hemichordata Oesia Enteropneusta Spengelidae Glandiceps -Hemichordata Spartobranchus -Hemichordata Gyaltsenglossus Rotadiscus Herpetogaster collinsi -Phlogites longus 84% Shankouclava anningense Leaf stability Tunicata Ciona Unstable Cephalochordata Branchiostoma -Amiskwia sagittiformis Stable

## Enteropneusta Harrimaniidae Saccoglossus removed a posteriori



