Table 1. Species presence / absence at each station ranked first record from north to south. Presence is colour coded by the region of first record and weighted such that species located at a single station rank before species located at two or more stations.

| Regions | Cruise number | Station ID | Depth | *Amphiura eugeniae* | *Ophioplinthus confragosa* | *Ophioplinthus sp.* | *Ophiochondrus stelliger* | *Ophiomitrella conferta* | *Ophiomusium constrictum* | *Ophiozonella falklandica* | *Ophiacantha vivipara* | *Ophioscolex nutrix* | *Ophiura (Ophiuroglypha) lymani* | *Amphiura belgicae* | *Astrotoma agassizii* | *Ophiolimna antarctica* | *Ophiokebella biscutifera* | *Ophiacantha sp. 1* | *Astrochalamys sol* | *Ophiocten amitinum* | *Amphiura protecta* | *Ophioceres incipiens* | *Astrochalamys bruneus* | *Ophioplinthus martensi* | *Gorgonocephalus chilensis* | *Ophiacantha pentactis* | *Amphiura sp1* | *Amphiura diliatata gaussi* | *Amphiura deficiens* | *Amphiophiura rowetti* | *Ophiomastus meridionalis* | *Amphiura olgida* | *Ophiocten dublum* | *Ophiokuce regulare* | *Ophioperla koehleri* | *Ophioplinthus gelida* | *Ophionotus victoriae* | *Astrohamma tuberculatum* | *Ophiura rauchi* | *Amphiura sp2* | *Ophioplinthus relegata* | *Ophiomusium australe* | *Ophioplinthus olstadi* | *Ophiomusium sp* | *Amphiura proposita* | *Ophioplinthus aff tuberosa* | *Ophioplinthus partita* | *Amphioplus peregrinator* | *Ophioplinthus brevirima* | *Amphiura jodrini* | *Ophiogona doederleini* | *Ophiacantha antarctica* | *Amphiura sp. 3* | *Amphioplus acutus* | *Ophiosteira antarctica* | *Ophioplinthus tuberosa* | *Amphiura sp. 4* | *Ophiacantha paramedea* | *Ophioplinthus aff relegata* | *Ophioplinthus wallini* | *Ophiocamax gigas* | *Ophiocten megaloplax* | *Ophiocten sp. 1* | *Ophiura (Ophiuroglypha) cerinifera* | *Ophiopleura inermis* | *Amphiophiura antarctica* | *Ophiocten doederleini* | *Amphiura aff lymani* | *Ophiosteira bullivanti* | *Ophiomastus bispinosus* |
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Table 2. Species presence / absence at each station ranked first record from south to north. Presence is colour coded by the region of first record and weighted such that species located at a single station rank before species located at two or more stations.

| Regions | Cruise number | Station ID | Depth | *Amphiophiura antarctica* | *Ophiocten doederleini* | *Amphiura aff lymani* | *Ophiosteira bullivanti* | *Ophiomastus bispinosus* | *Ophiocten megaloplax* | *Ophiocten sp. 1* | *Ophiura (Ophiuroglypha) carnifera* | *Ophiuglottus tuberosa* | *Ophiuglottus perplita* | *Amphioplus peragrinator* | *Ophiuglottus brevirima* | *Amphiura joubini* | *Ophiogona doederleini* | *Ophiacantha antarctica* | *Ophiomastus meridionalis* | *Amphiura algida* | *Ophiocten dubium* | *Ophiokeuce regulare* | *Ophioperla koehleri* | *Ophiuglottus gelida* | *Ophionotus victoriae* | *Astrotoma agassizii* | *Ophiolimna antarctica* | *Ophiopteura inermis* | *Amphiura belgicae* | *Amphiura sp. 4* | *Ophiacantha paramedea* | *Ophiuglottus aff rekgata* | *Ophiuglottus wallini* | *Ophiacamax gigas* | *Gorgonocephalus chilensis* | *Ophiacantha pentactis* | *Astrochlamys brunnus* | *Amphioplus acutus* | *Ophiosteira antarctica* | *Ophiuglottus mortensi* | *Amphiura sp. 3* | *Ophioveres inciplens* | *Astrohamma tuberculatum* | *Ophiura rovuchi* | *Amphiura sp2* | *Ophiuglottus relegata* | *Ophiomusium australe* | *Ophiuglottus silstadi* | *Ophiomusium sp* | *Amphiura proposita* | *Ophiuglottus aff tuberosa* | *Amphiophiura rowetti* | *Ophiocten amitinum* | *Amphiura protecta* | *Amphiura sp1* | *Amphiura dilatata gaussi* | *Amphiura deficiens* | *Ophiura (Ophiuroglypha) lymani* | *Ophiacantha vivipara* | *Ophioscolex nutrix* | *Ophiokeiella biscuiflera* | *Ophiacantha sp. 1* | *Astrochlamys sol* | *Amphiura eugeniae* | *Ophiuglottus confragosa* | *Ophiuglottus sp.* | *Ophiochondrus stelliger* | *Ophiomitrella coniferta* | *Ophiomusium constrictum* | *Ophiozonella falklandica* |
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