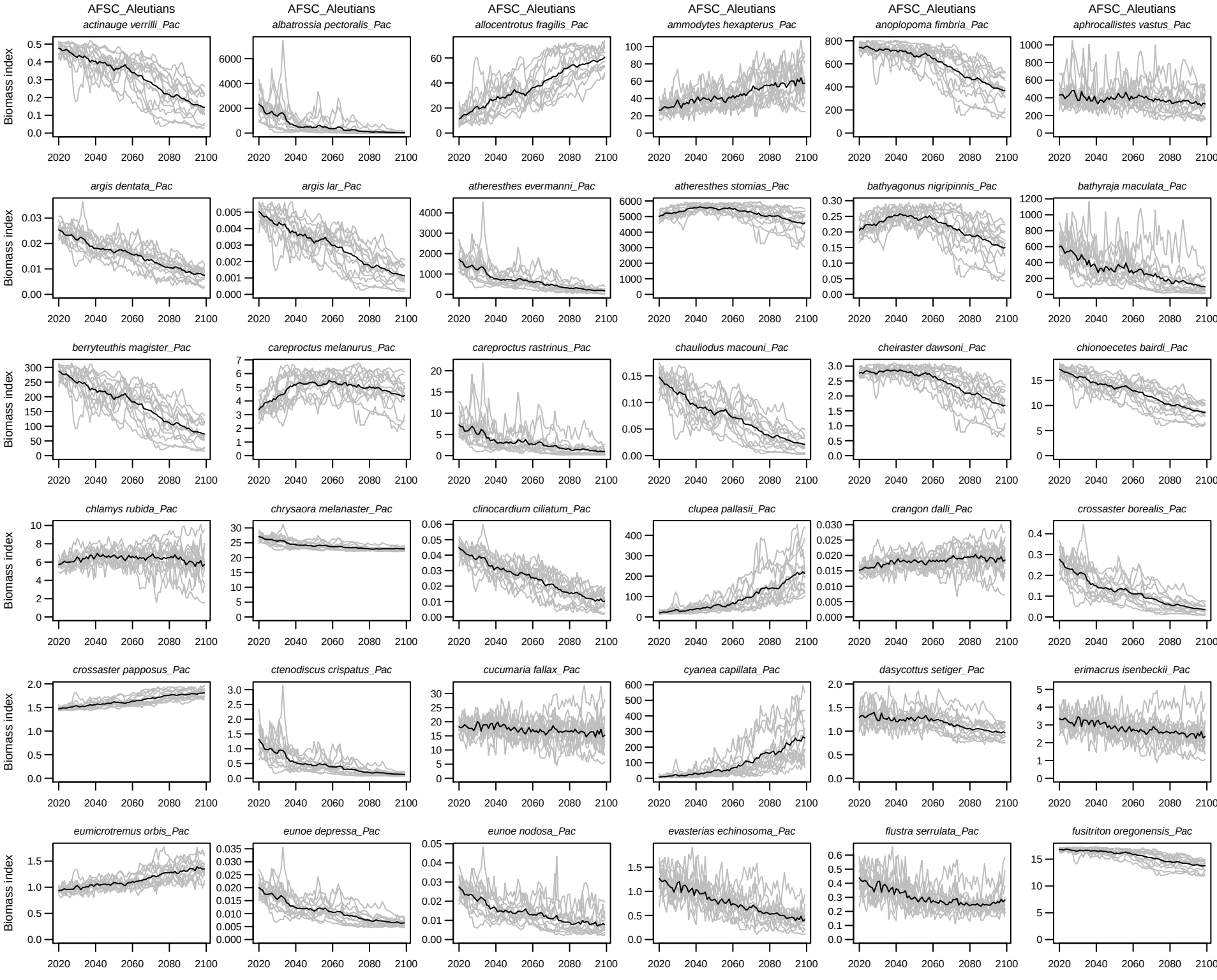
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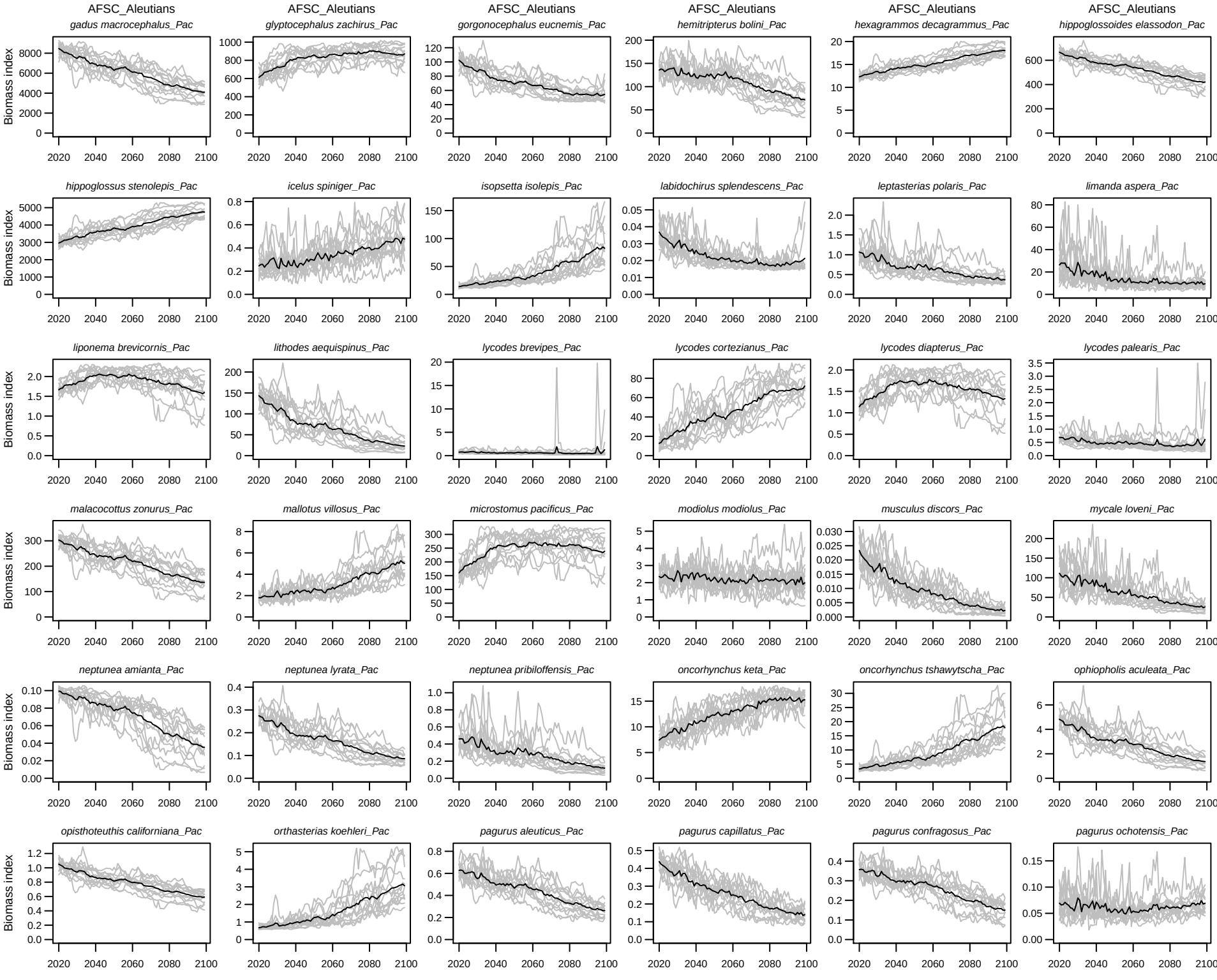
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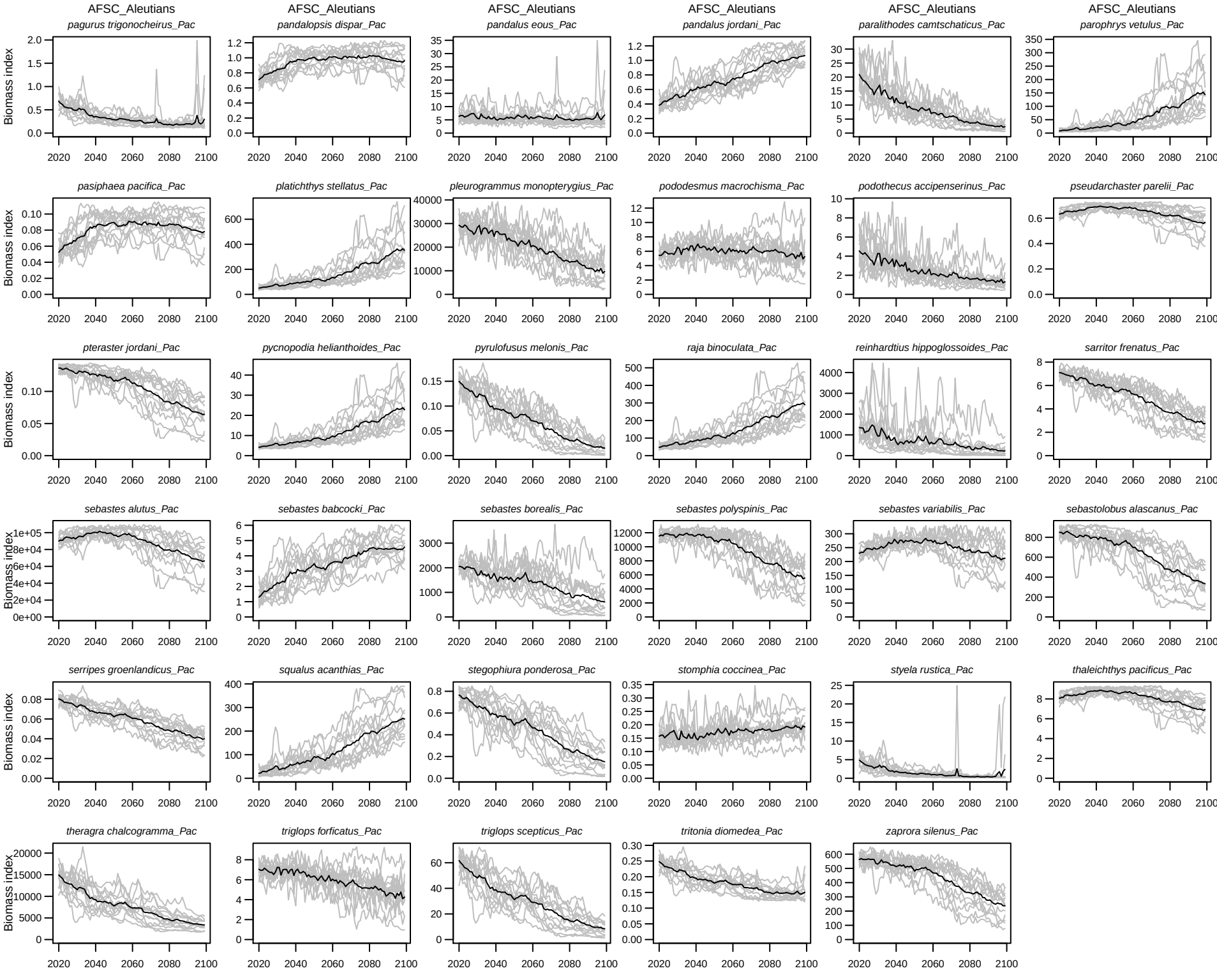
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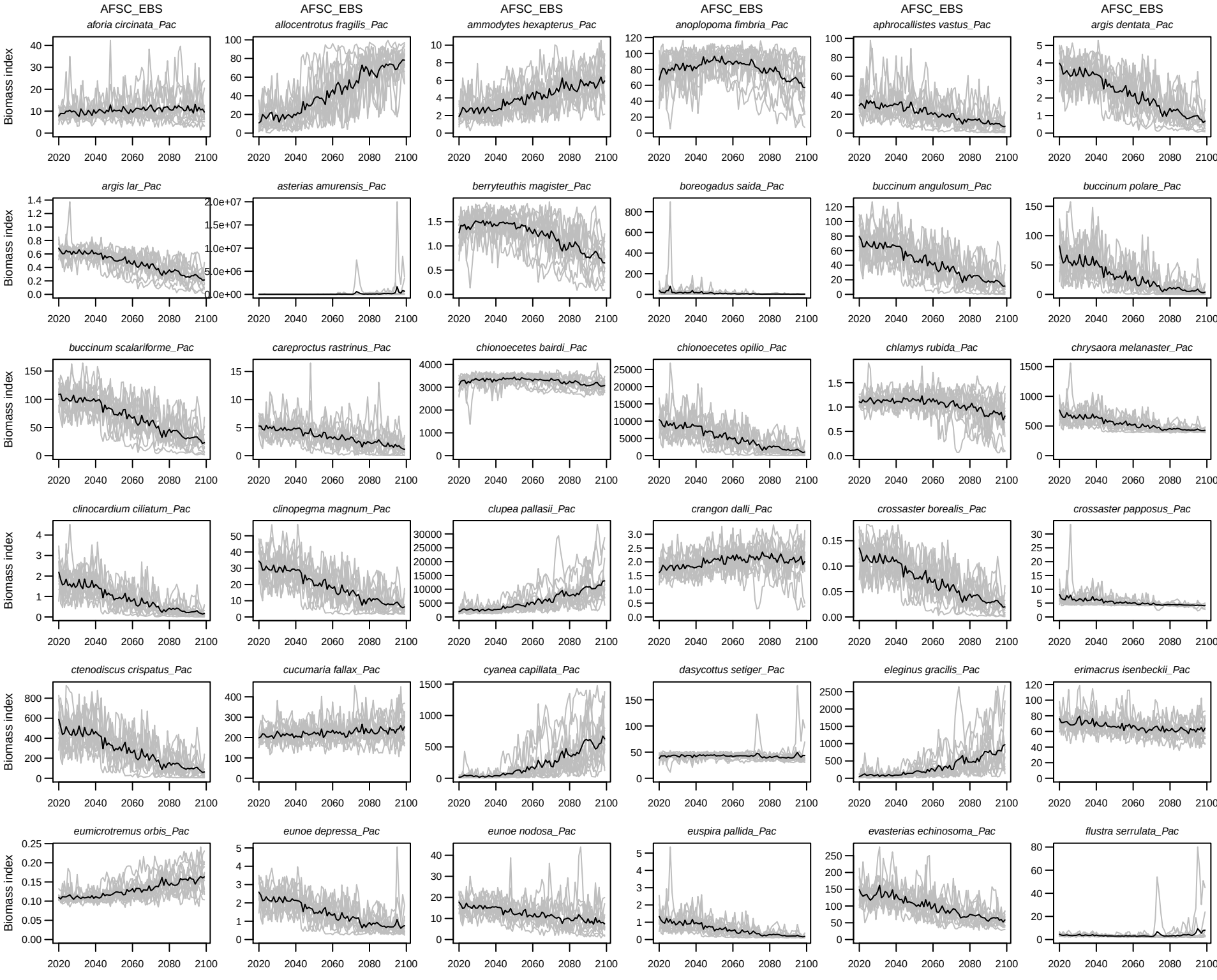
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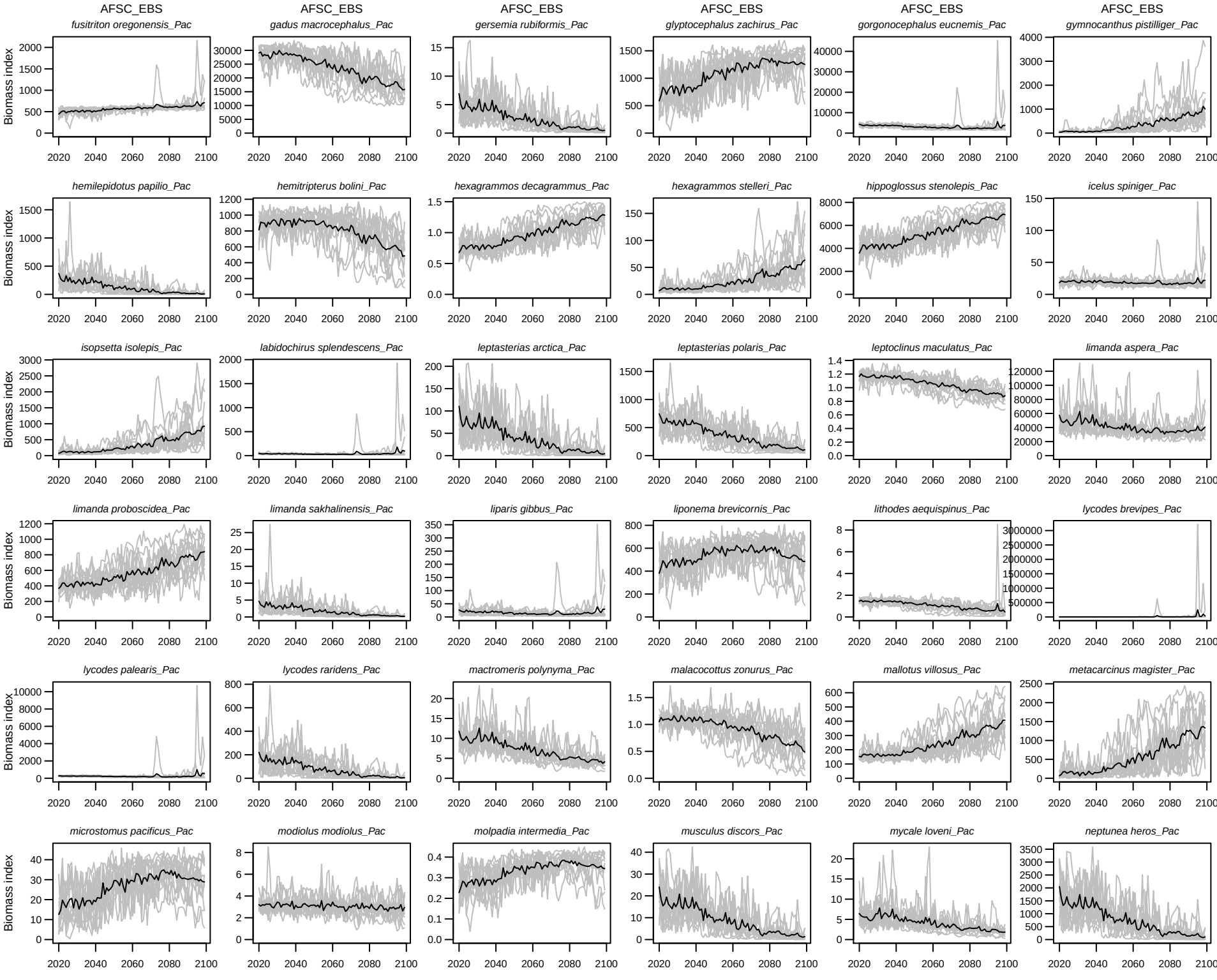
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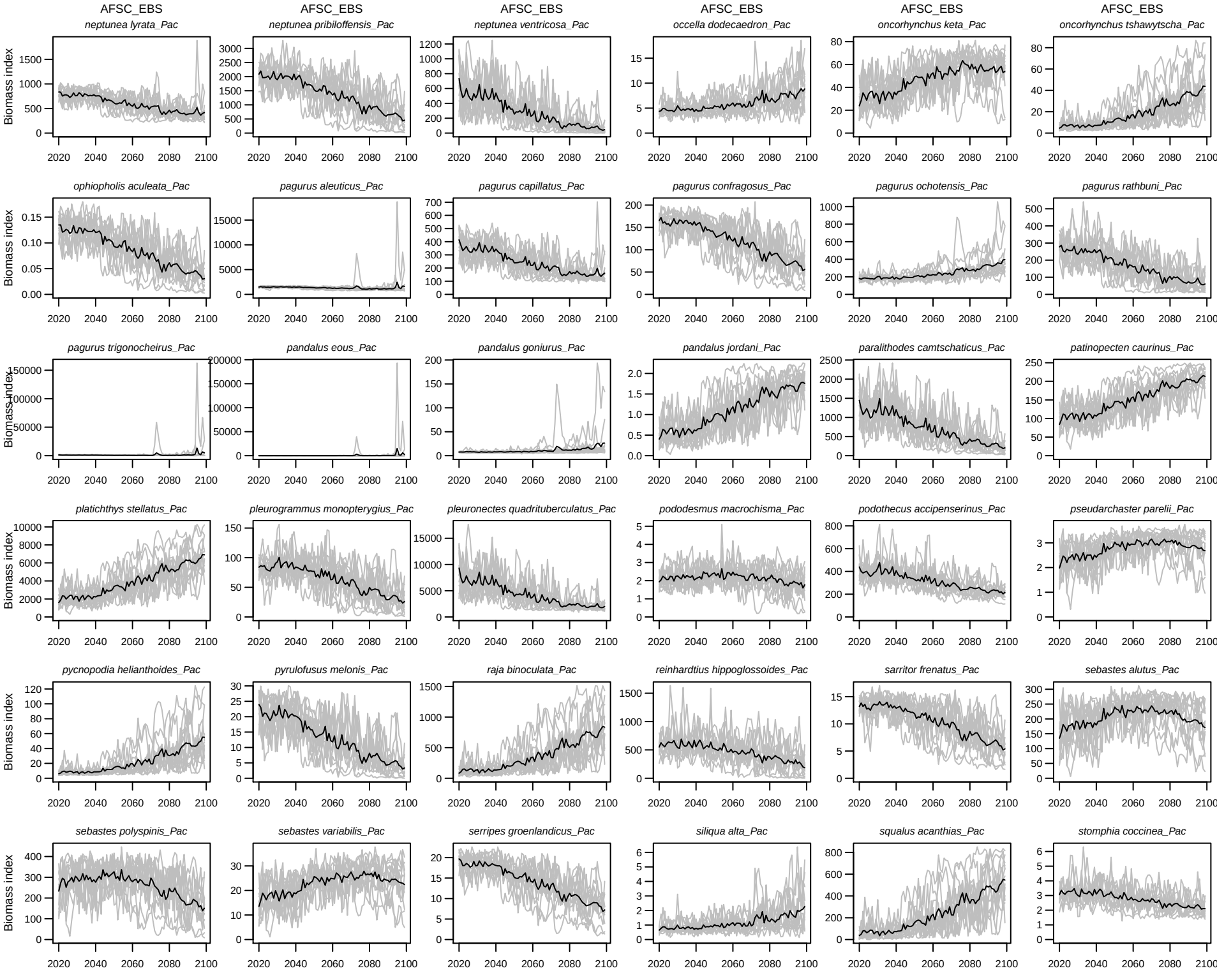
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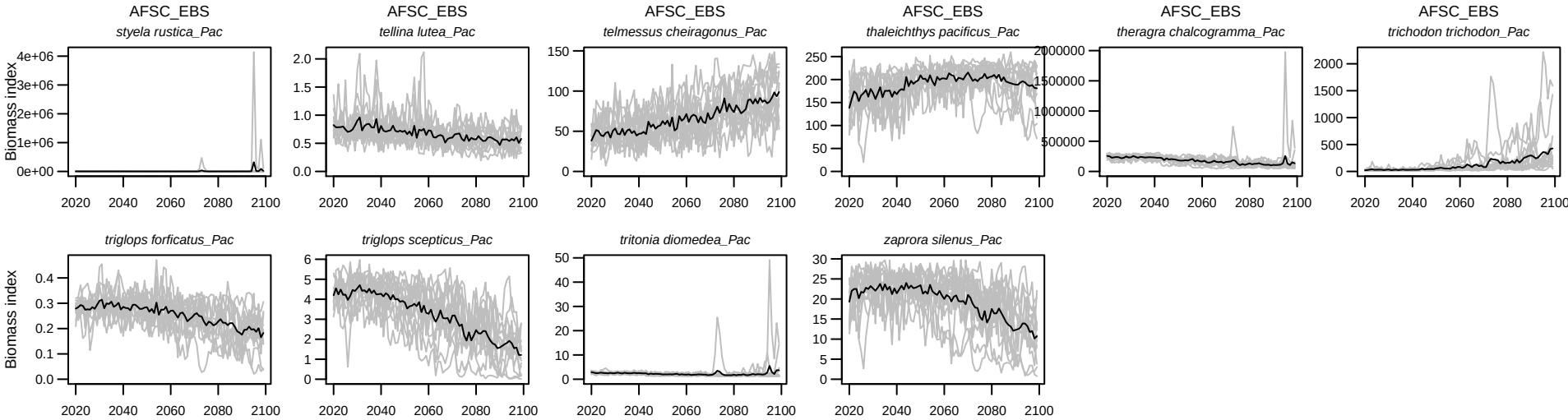
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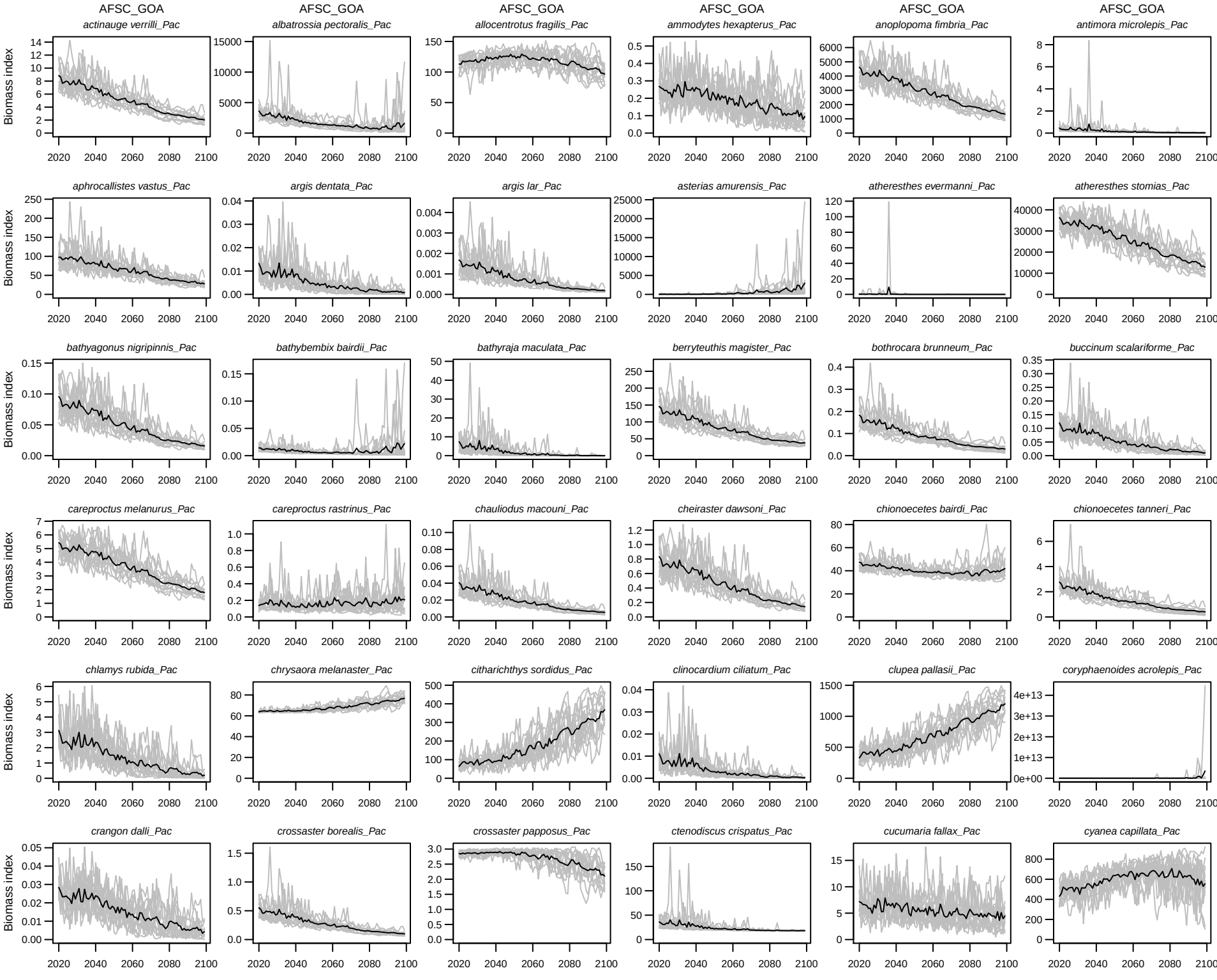
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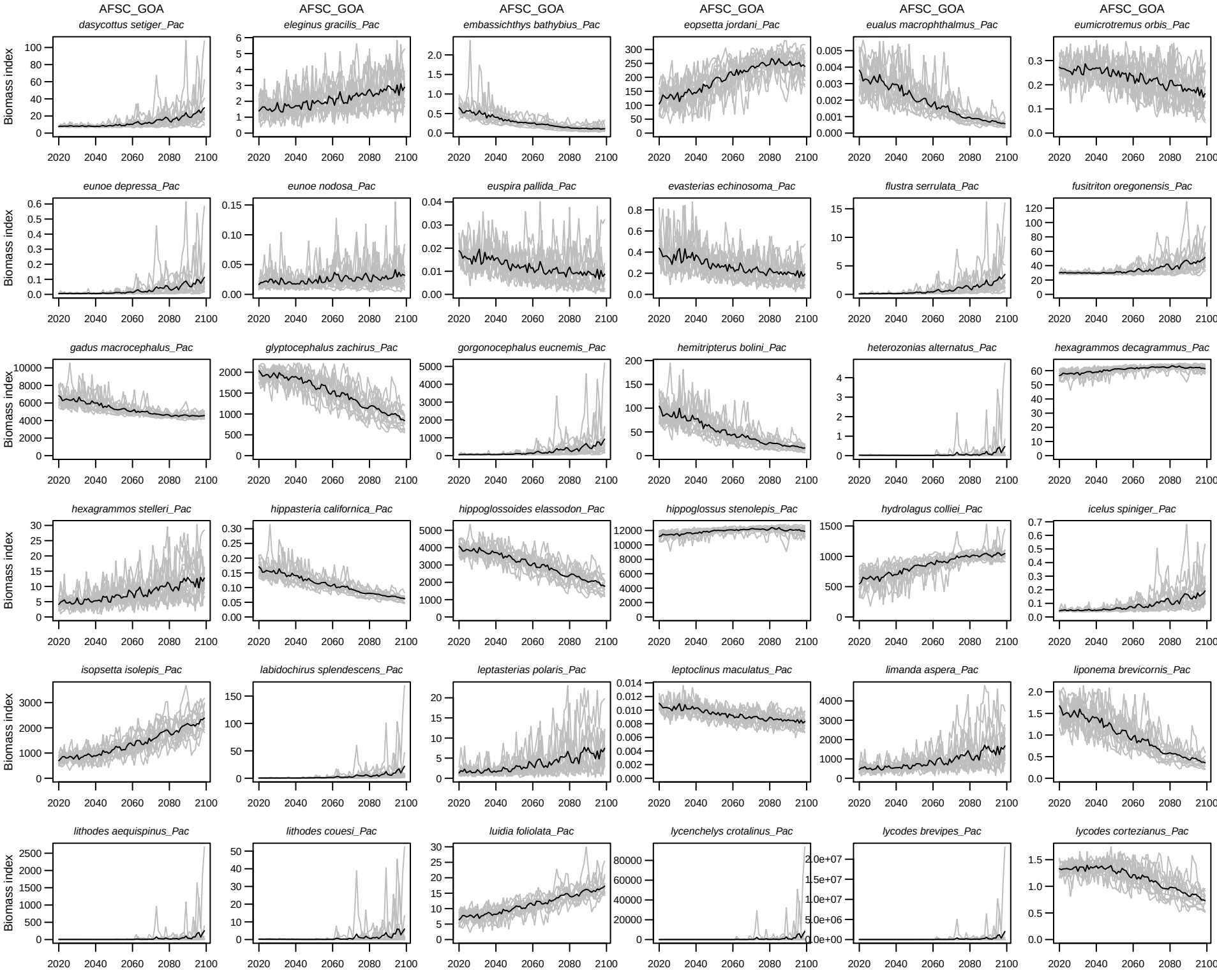
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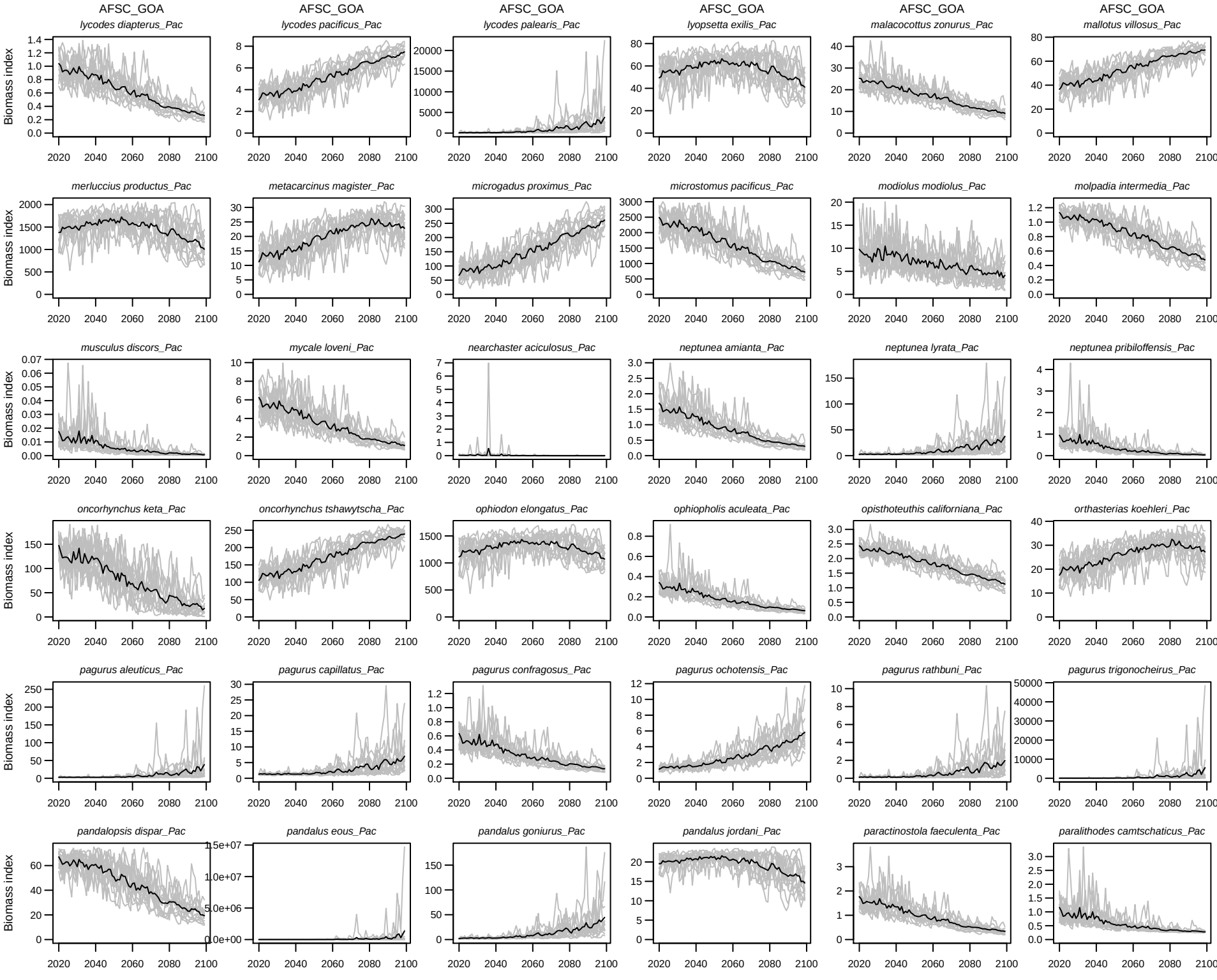
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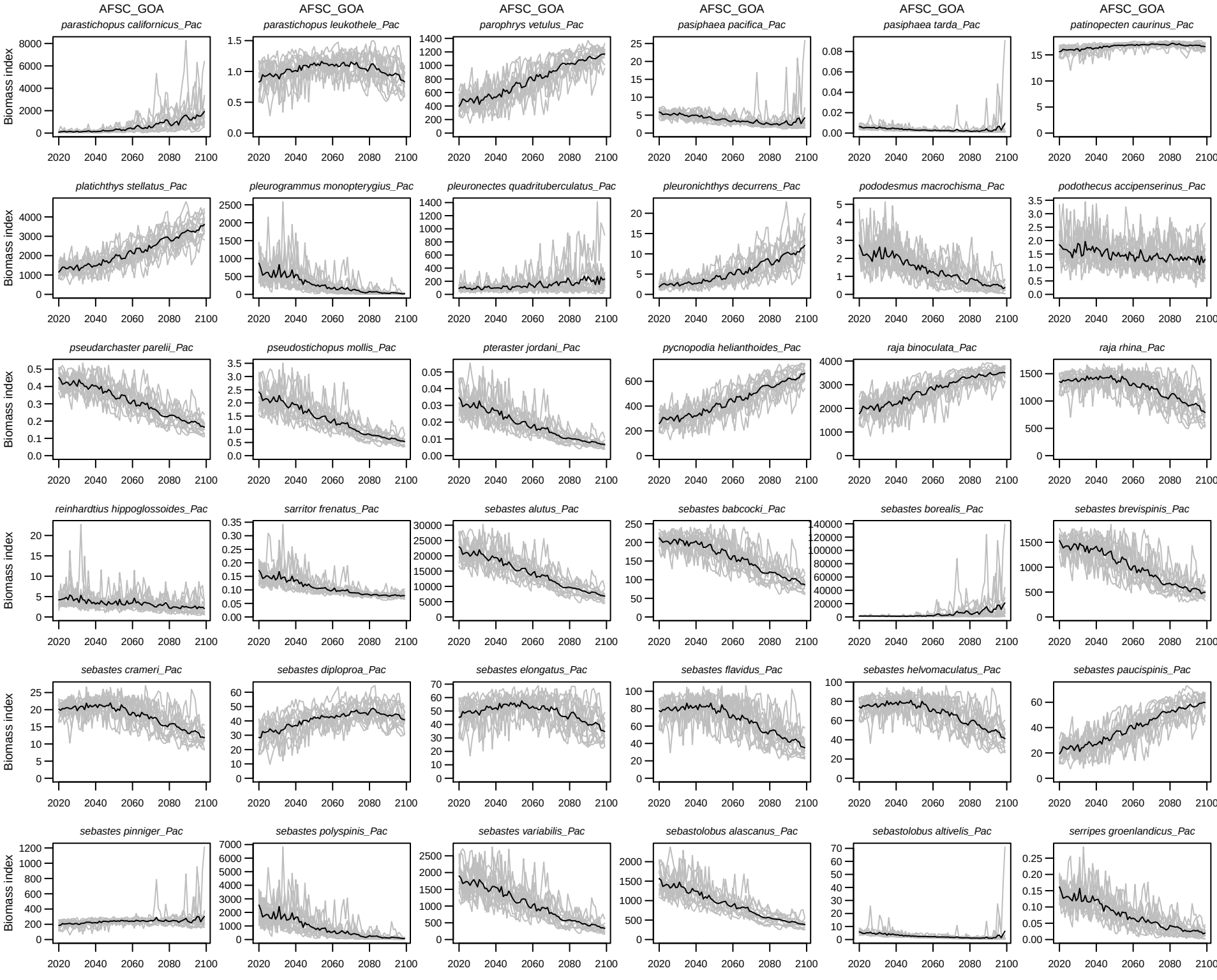
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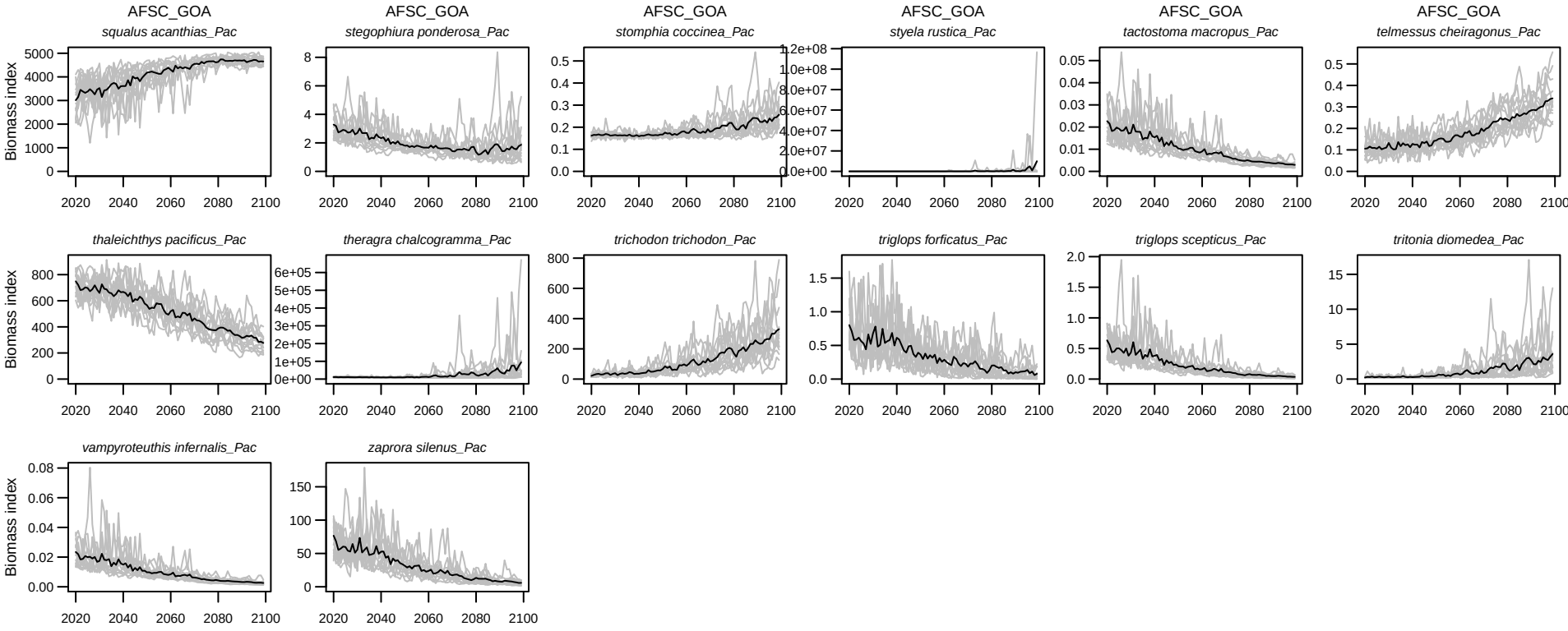
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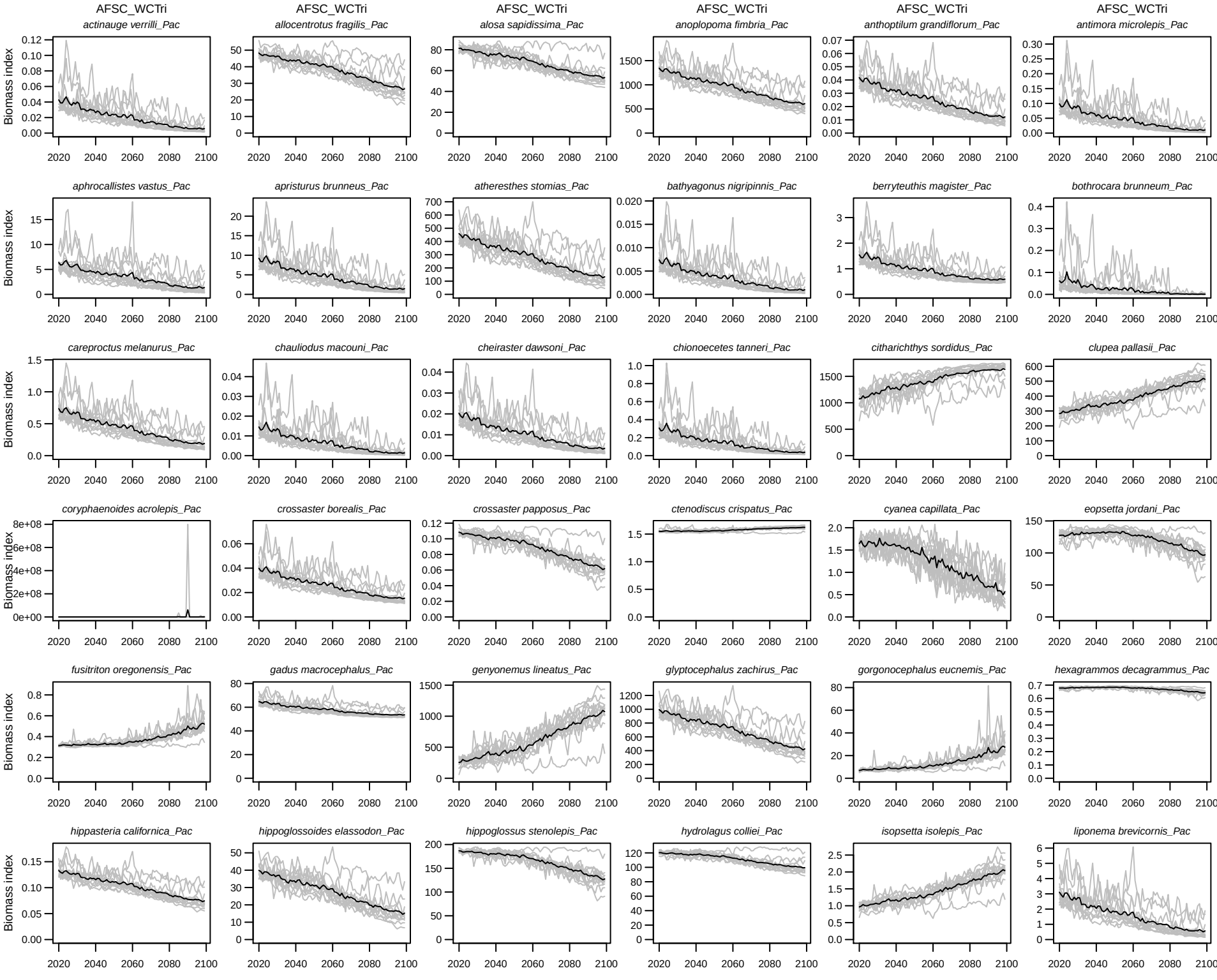
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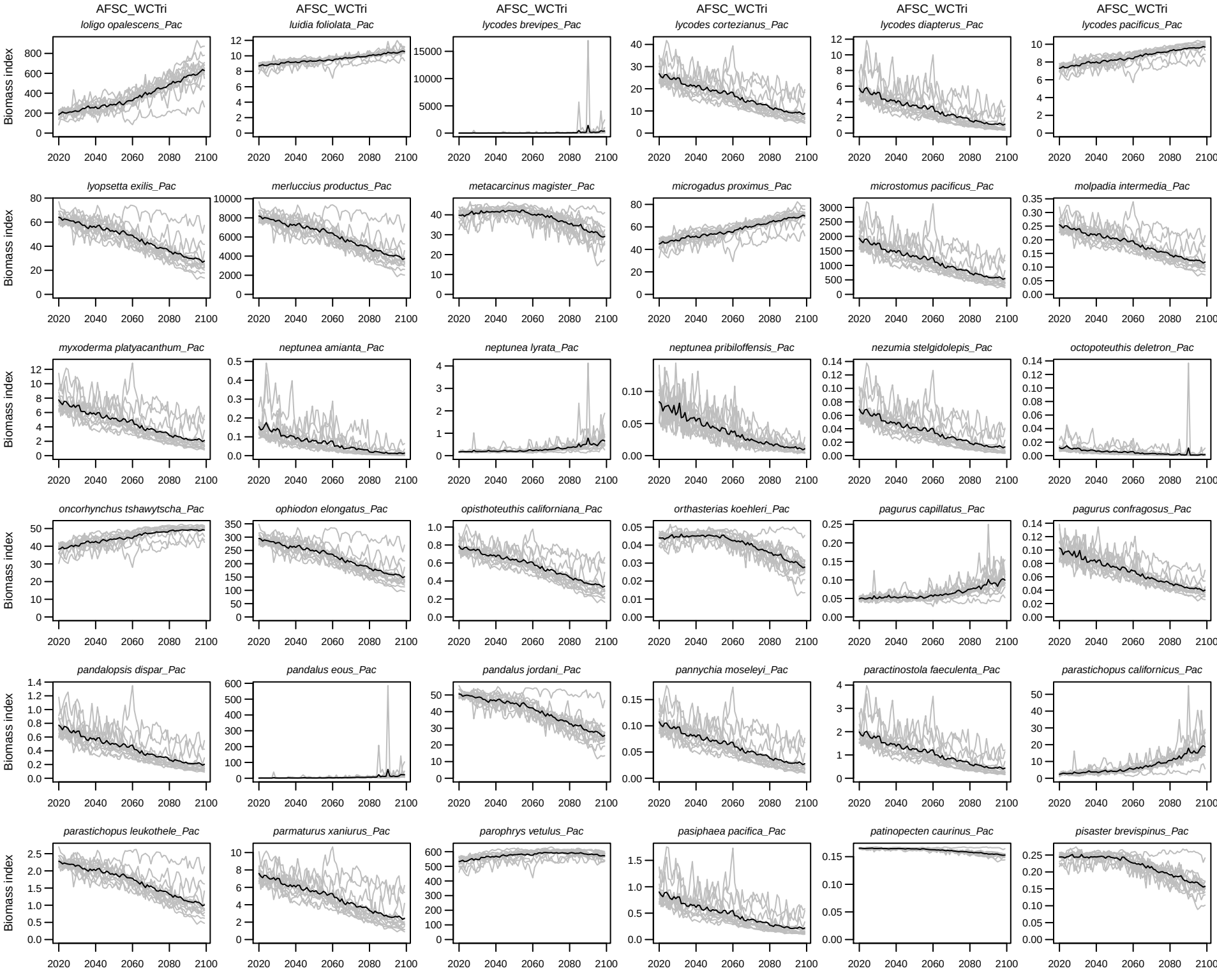
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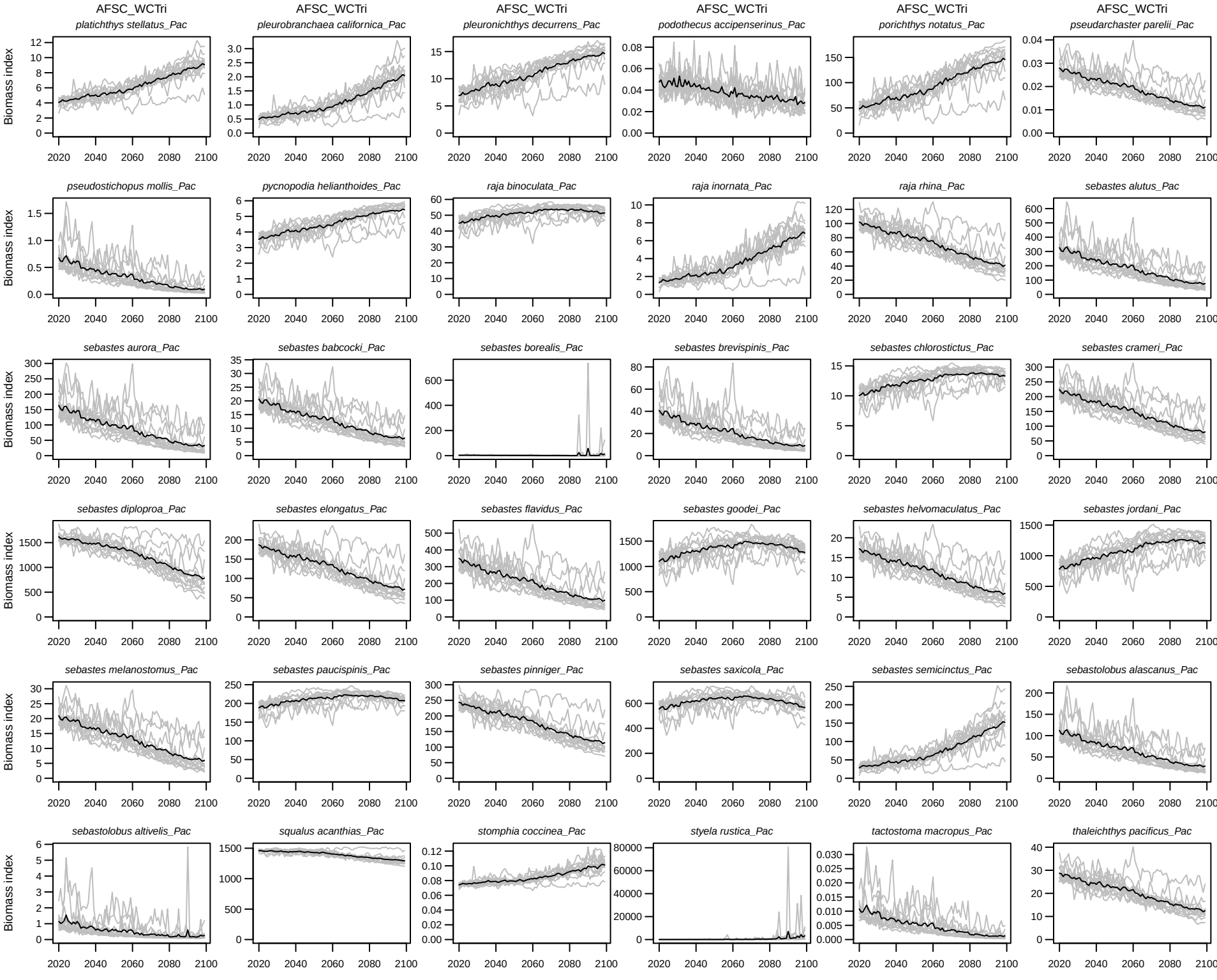
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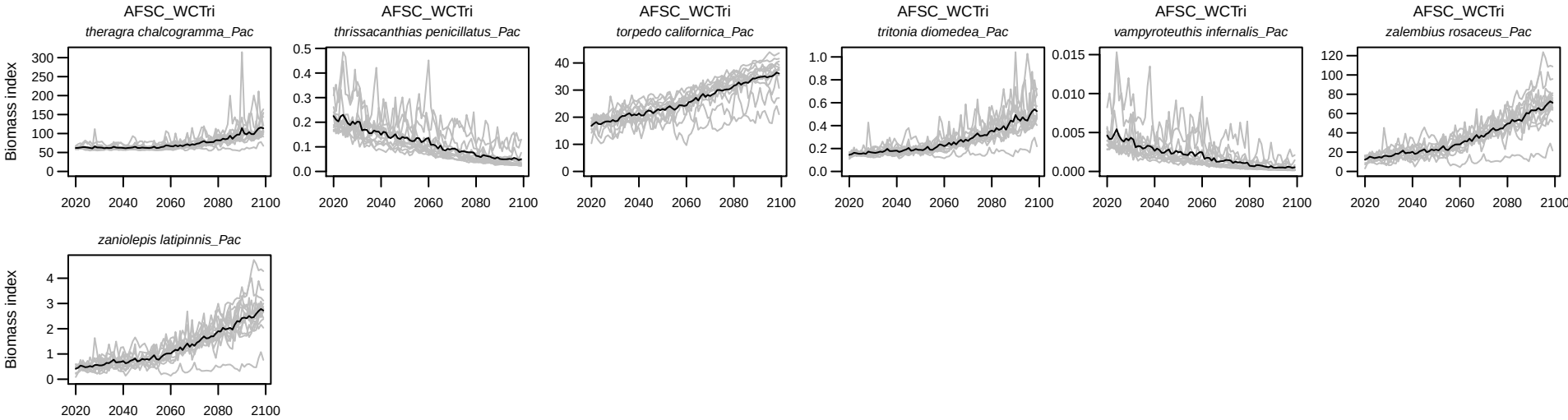
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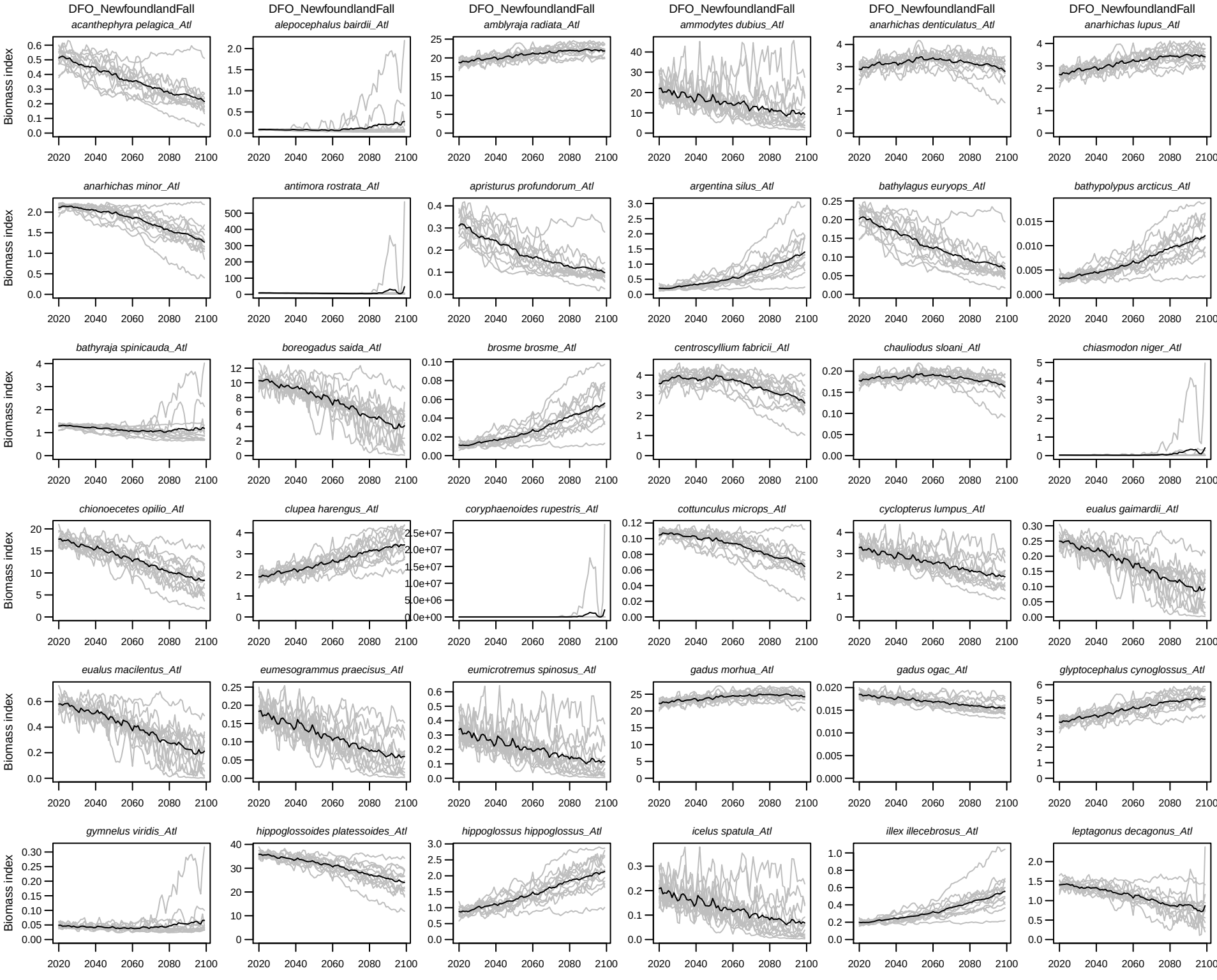
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boreogadus saida_Atl
brosme brosme_Atl
centroscyllium fabricii_Atl
chauliodus sloani_Atl
chiasmodon niger_Atl
chionoecetes opilio_Atl
clupea harengus_Atl
coryphaenoides rupestris_Atl
cottunculus microps_Atl
cyclopterus lumpus_Atl
eualus gaimardii_Atl
eualus macilentus_Atl
eumesogrammus praecisus_Atl
eumicrotremus spinosus_Atl
gadus morhua_Atl
gadus ogac_Atl
glyptocephalus cynoglossus_Atl
gymnelus viridis_Atl
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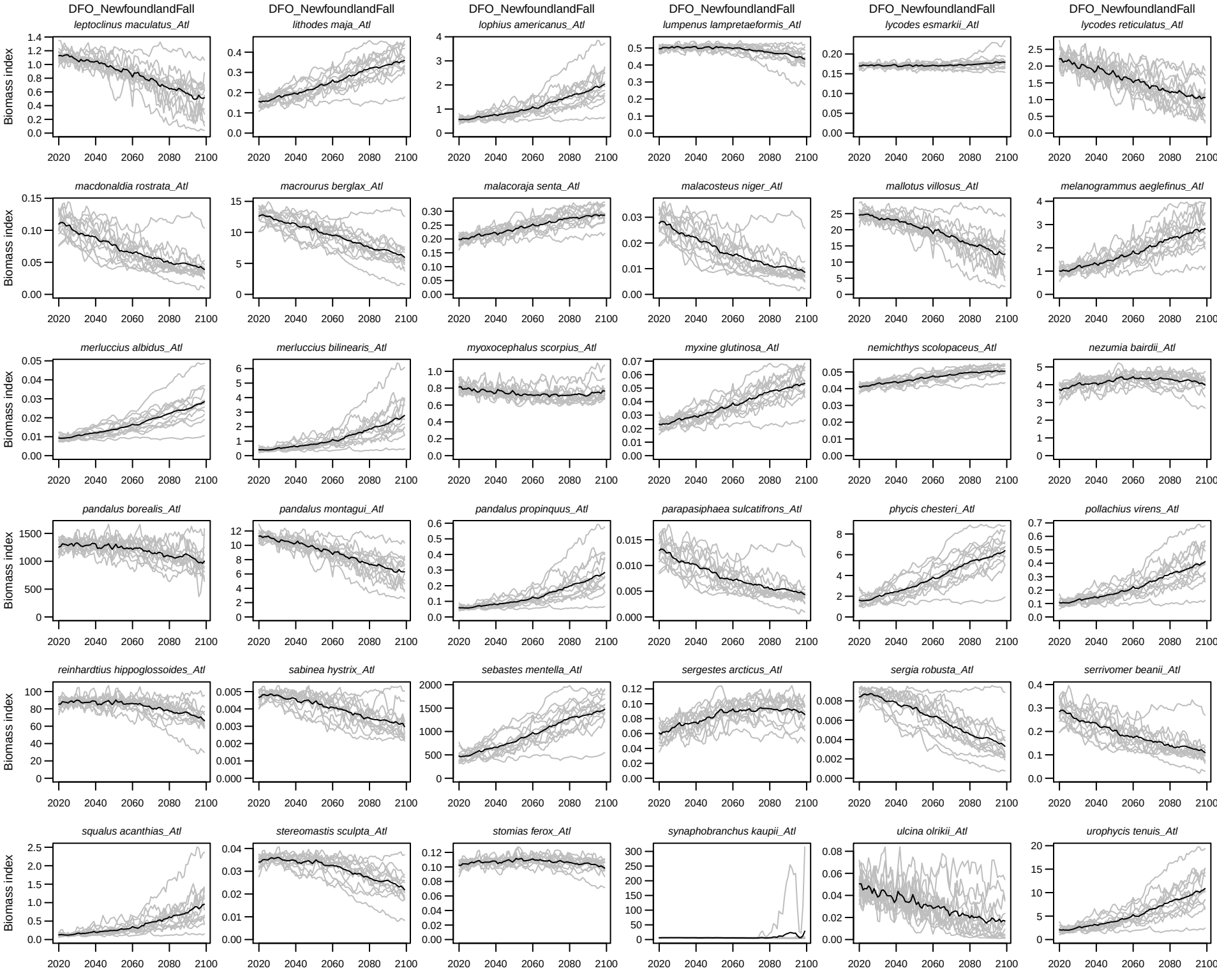
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lycodes reticulatus_Atl
macdonaldia rostrata_Atl
macrourus berglax_Atl
malacoraja senta_Atl
malacosteus niger_Atl
mallotus villosus_Atl
melanogrammus aeglefinus_Atl
merluccius albidus_Atl
merluccius bilinearis_Atl
myoxocephalus scorpius_Atl
myxine glutinosa_Atl
nemichthys scolopaceus_Atl
nezumia bairdii_Atl
pandalus borealis_Atl
pandalus montagui_Atl
pandalus propinquus_Atl
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pollachius virens_Atl
reinhardtius hippoglossoides_Atl
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sebastes mentella_Atl
sergestes arcticus_Atl
sergia robusta_Atl
serrivomer beanii_Atl
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stomias ferox_Atl
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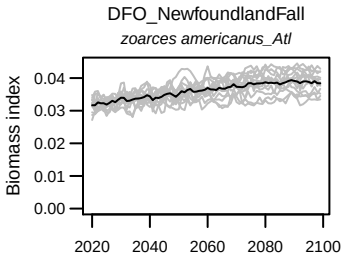
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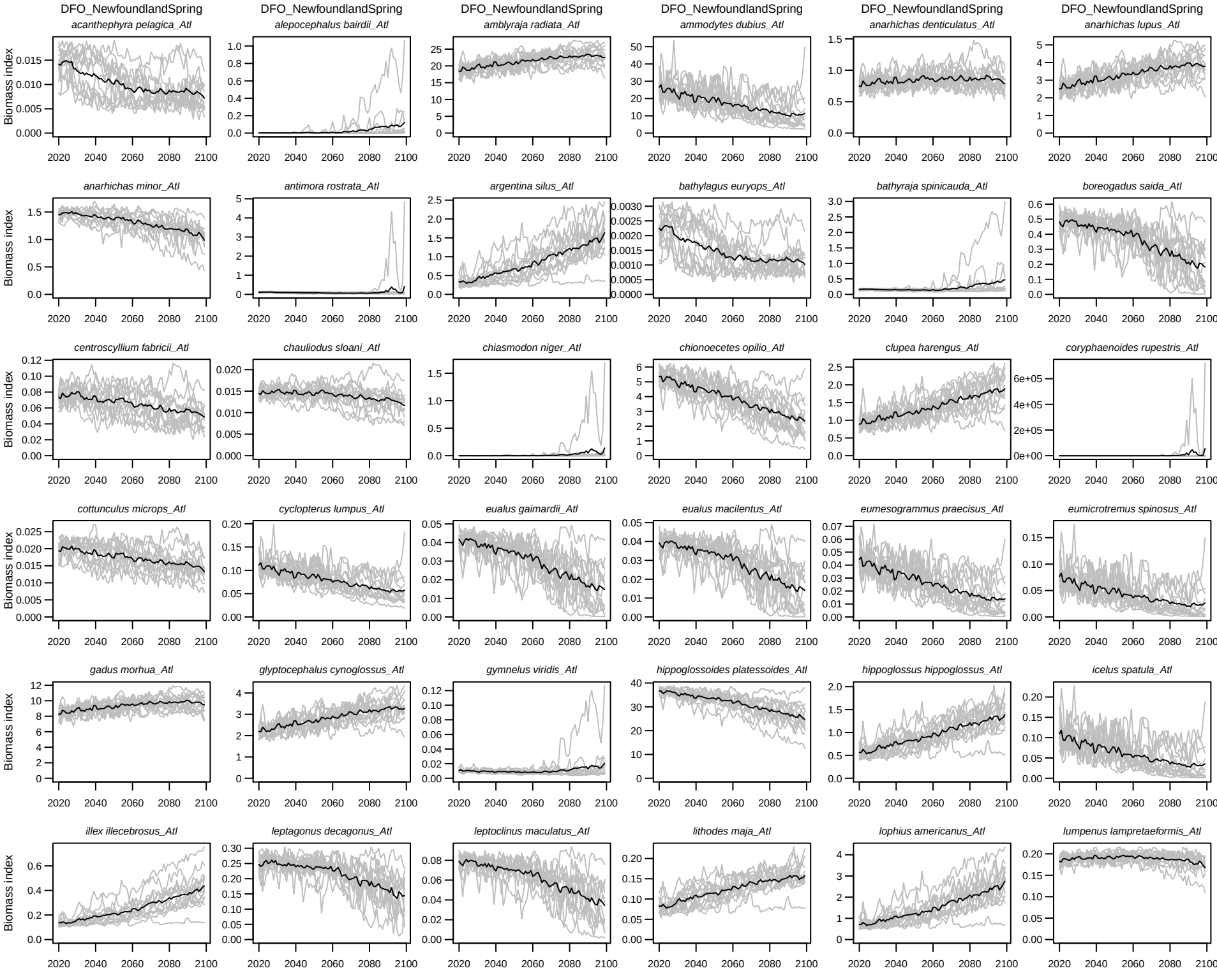
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argentina silus_Atl
bathylagus euryops_Atl
bathyraja spinicauda_Atl
boreogadus saida_Atl
centroscyllium fabricii_Atl
chauliodus sloani_Atl
chiasmodon niger_Atl
chionoecetes opilio_Atl
clupea harengus_Atl
coryphaenoides rupestris_Atl
cottunculus microps_Atl
cyclopterus lumpus_Atl
eualus gaimardii_Atl
eualus macilentus_Atl
eumesogrammus praecisus_Atl
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gadus morhua_Atl
glyptocephalus cynoglossus_Atl
gymnelus viridis_Atl
hippoglossoides platessoides_Atl
hippoglossus hippoglossus_Atl
icelus spatula_Atl
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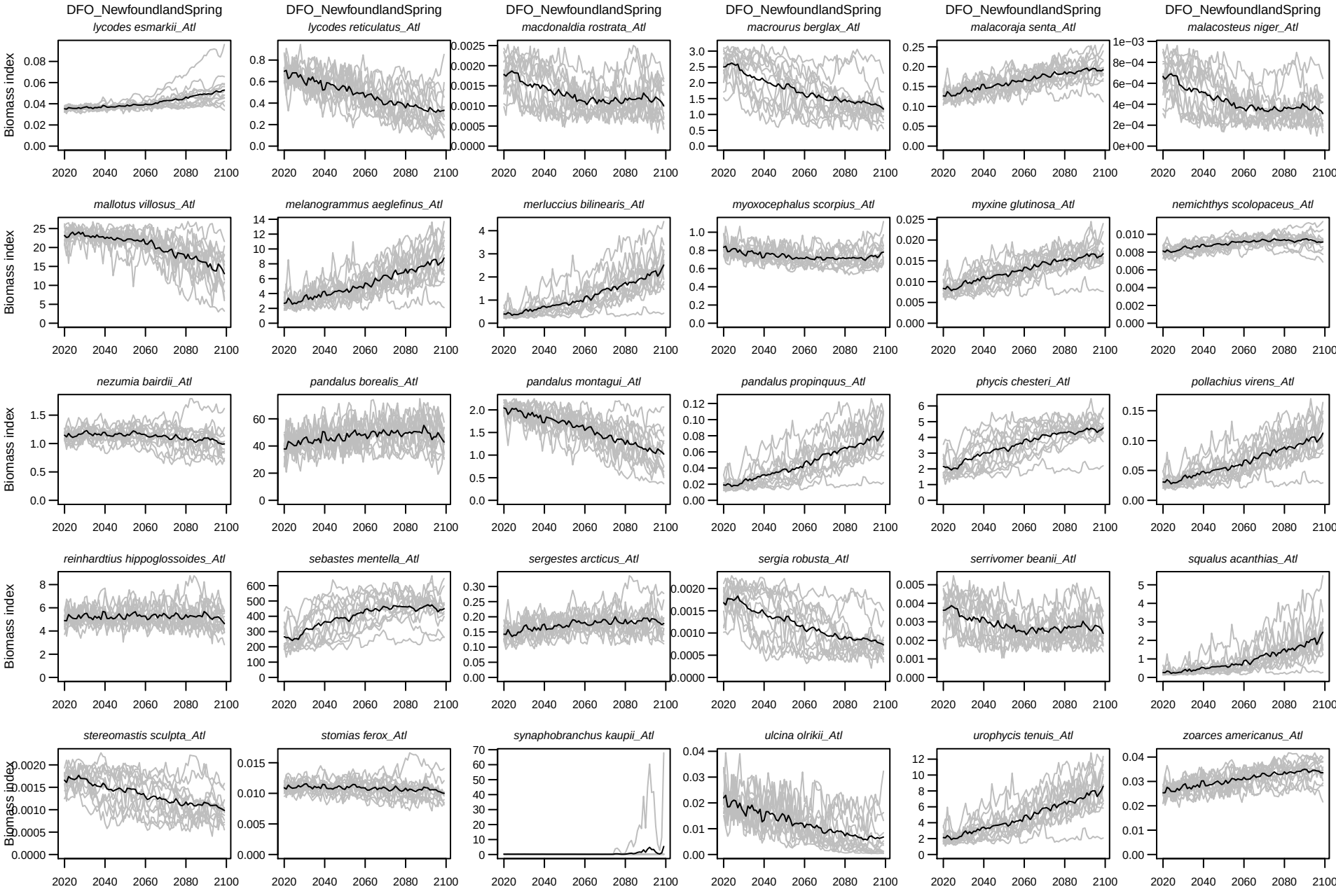
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lycodes reticulatus_Atl
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malacoraja senta_Atl
malacosteus niger_Atl
mallotus villosus_Atl
melanogrammus aeglefinus_Atl
merluccius bilinearis_Atl
myoxocephalus scorpius_Atl
myxine glutinosa_Atl
nemichthys scolopaceus_Atl
nezumia bairdii_Atl
pandalus borealis_Atl
pandalus montagui_Atl
pandalus propinquus_Atl
phycis chesteri_Atl
pollachius virens_Atl
reinhardtius hippoglossoides_Atl
sebastes mentella_Atl
sergestes arcticus_Atl
sergia robusta_Atl
serrivomer beanii_Atl
squalus acanthias_Atl
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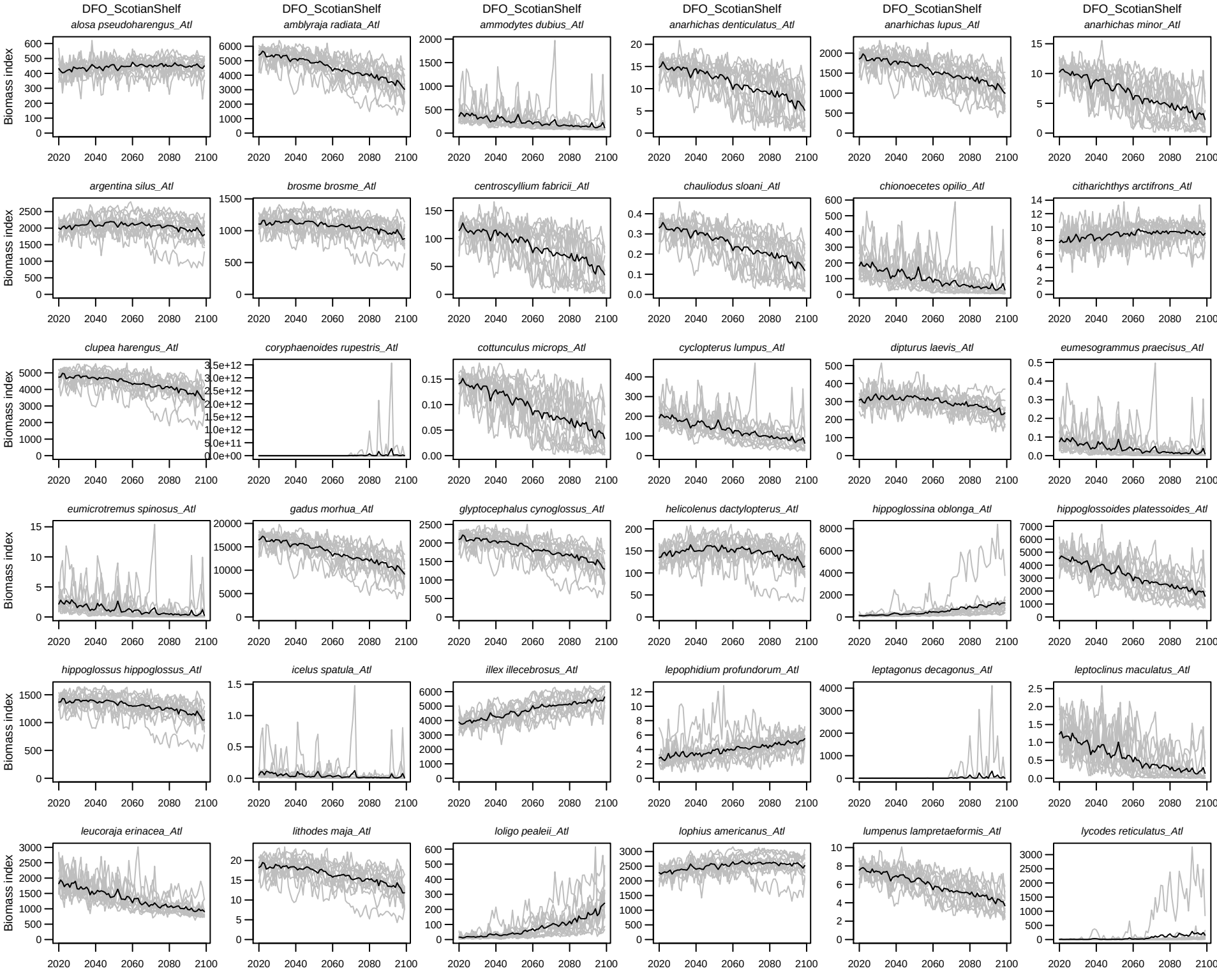
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anarhichas lupus_Atl
anarhichas minor_Atl
argentina silus_Atl
brosme brosme_Atl
centroscyllium fabricii_Atl
chauliodus sloani_Atl
chionoecetes opilio_Atl
citharichthys arctifrons_Atl
clupea harengus_Atl
coryphaenoides rupestris_Atl
cottunculus microps_Atl
cyclopterus lumpus_Atl
dipturus laevis_Atl
eumesogrammus praecisus_Atl
eumicrotremus spinosus_Atl
gadus morhua_Atl
glyptocephalus cynoglossus_Atl
helicolenus dactylopterus_Atl
hippoglossina oblonga_Atl
hippoglossoides platessoides_Atl
hippoglossus hippoglossus_Atl
icelus spatula_Atl
illex illecebrosus_Atl
lepophidium profundorum_Atl
leptagonus decagonus_Atl
leptoclinus maculatus_Atl
leucoraja erinacea_Atl
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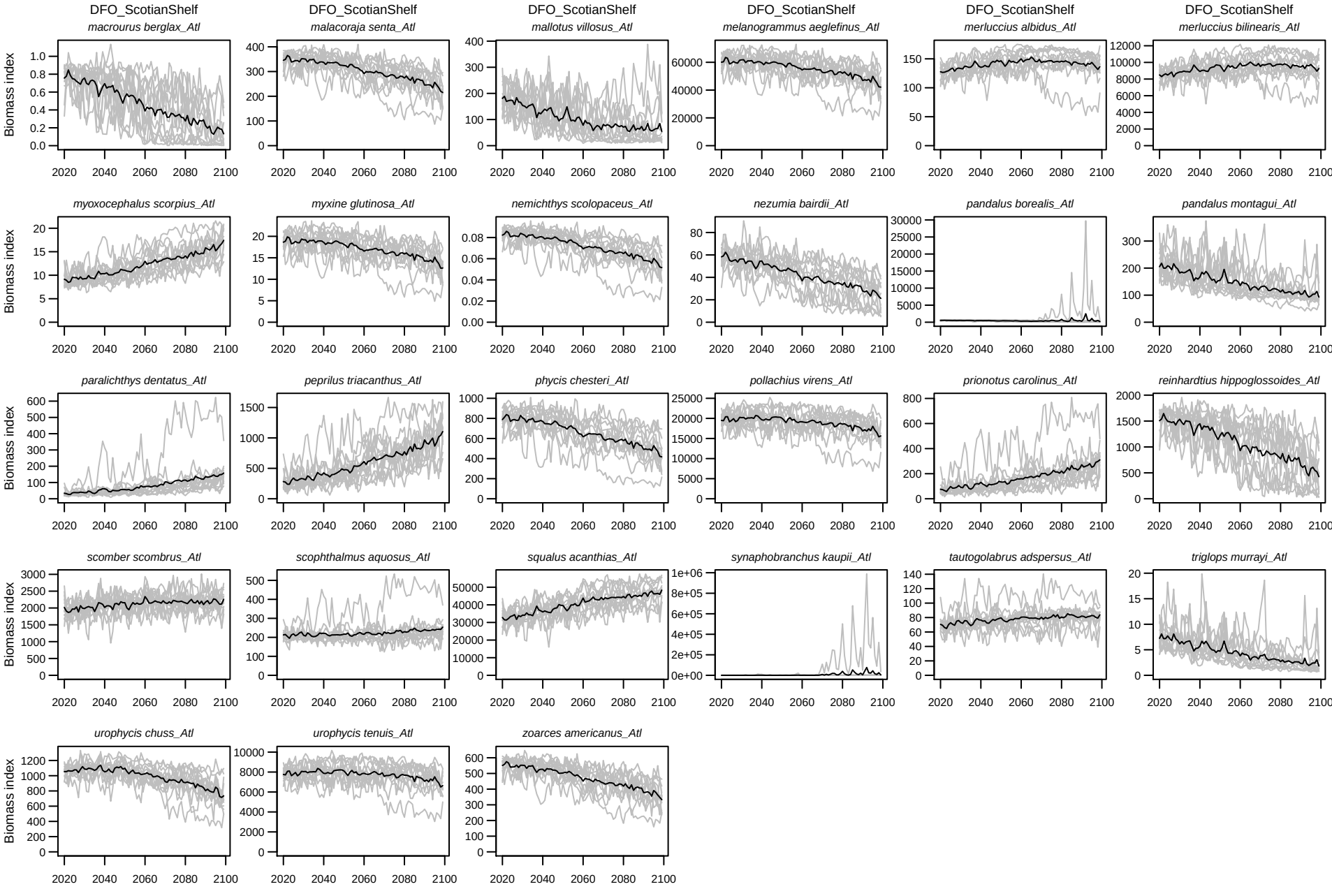
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melanogrammus aeglefinus_Atl
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merluccius bilinearis_Atl
myoxocephalus scorpius_Atl
myxine glutinosa_Atl
nemichthys scolopaceus_Atl
nezumia bairdii_Atl
pandalus borealis_Atl
pandalus montagui_Atl
paralichthys dentatus_Atl
peprilus triacanthus_Atl
phycis chesteri_Atl
pollachius virens_Atl
prionotus carolinus_Atl
reinhardtius hippoglossoides_Atl
scomber scombrus_Atl
scophthalmus aquosus_Atl
squalus acanthias_Atl
synaphobranchus kaupii_Atl
tautogolabrus adspersus_Atl
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zoarces americanus_Atl
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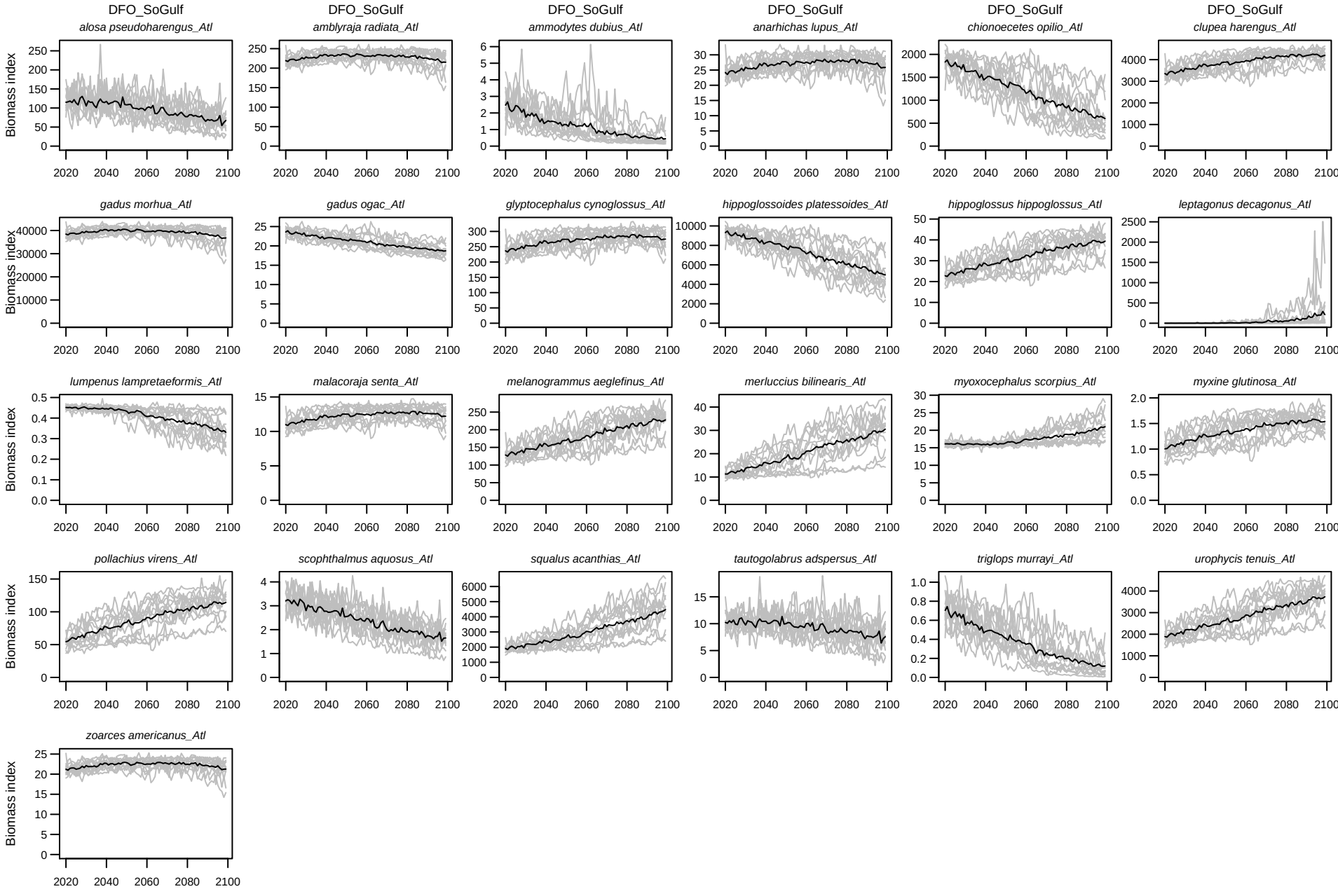
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chionoecetes opilio_Atl
clupea harengus_Atl
gadus morhua_Atl
gadus ogac_Atl
glyptocephalus cynoglossus_Atl
hippoglossoides platessoides_Atl
hippoglossus hippoglossus_Atl
leptagonus decagonus_Atl
lumpenus lampretaeformis_Atl
malacoraja senta_Atl
melanogrammus aeglefinus_Atl
merluccius bilinearis_Atl
myoxocephalus scorpius_Atl
myxine glutinosa_Atl
pollachius virens_Atl
scophthalmus aquosus_Atl
squalus acanthias_Atl
tautogolabrus adspersus_Atl
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zoarces americanus_Atl
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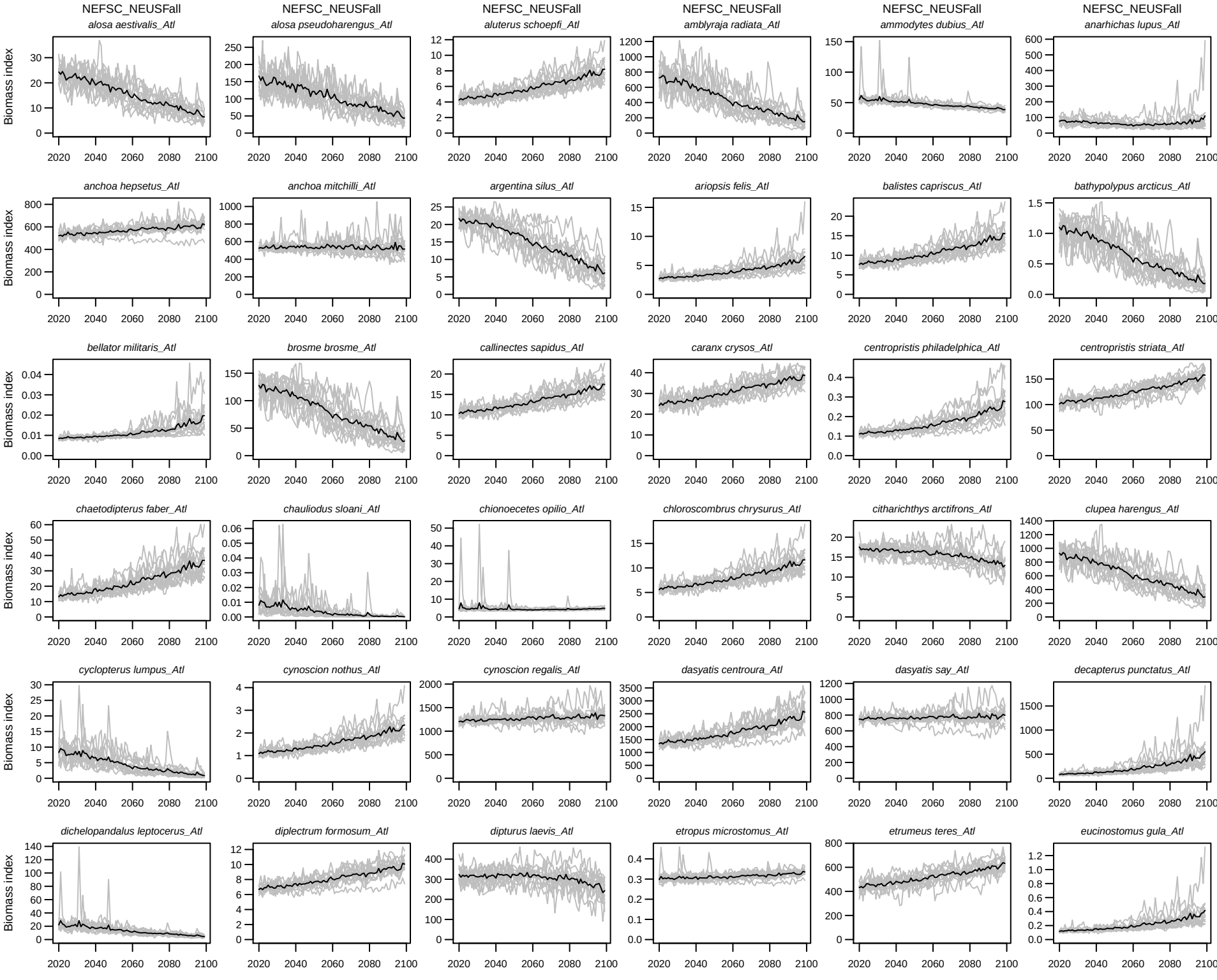
NEFSC_NEUSFall
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alosa pseudoharengus_Atl
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amblyraja radiata_Atl
ammodytes dubius_Atl
anarhichas lupus_Atl
anchoa hepsetus_Atl
anchoa mitchilli_Atl
argentina silus_Atl
ariopsis felis_Atl
balistes capriscus_Atl
bathypolypus arcticus_Atl
bellator militaris_Atl
brosme brosme_Atl
callinectes sapidus_Atl
caranx crysos_Atl
centropristis philadelphica_Atl
centropristis striata_Atl
chaetodipterus faber_Atl
chauliodus sloani_Atl
chionoecetes opilio_Atl
chloroscombrus chrysurus_Atl
citharichthys arctifrons_Atl
clupea harengus_Atl
cyclopterus lumpus_Atl
cynoscion nothus_Atl
cynoscion regalis_Atl
dasyatis centroura_Atl
dasyatis say_Atl
decapterus punctatus_Atl
dichelopandalus leptocerus_Atl
diplectrum formosum_Atl
dipturus laevis_Atl
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etrumeus teres_Atl
eucinostomus gula_Atl
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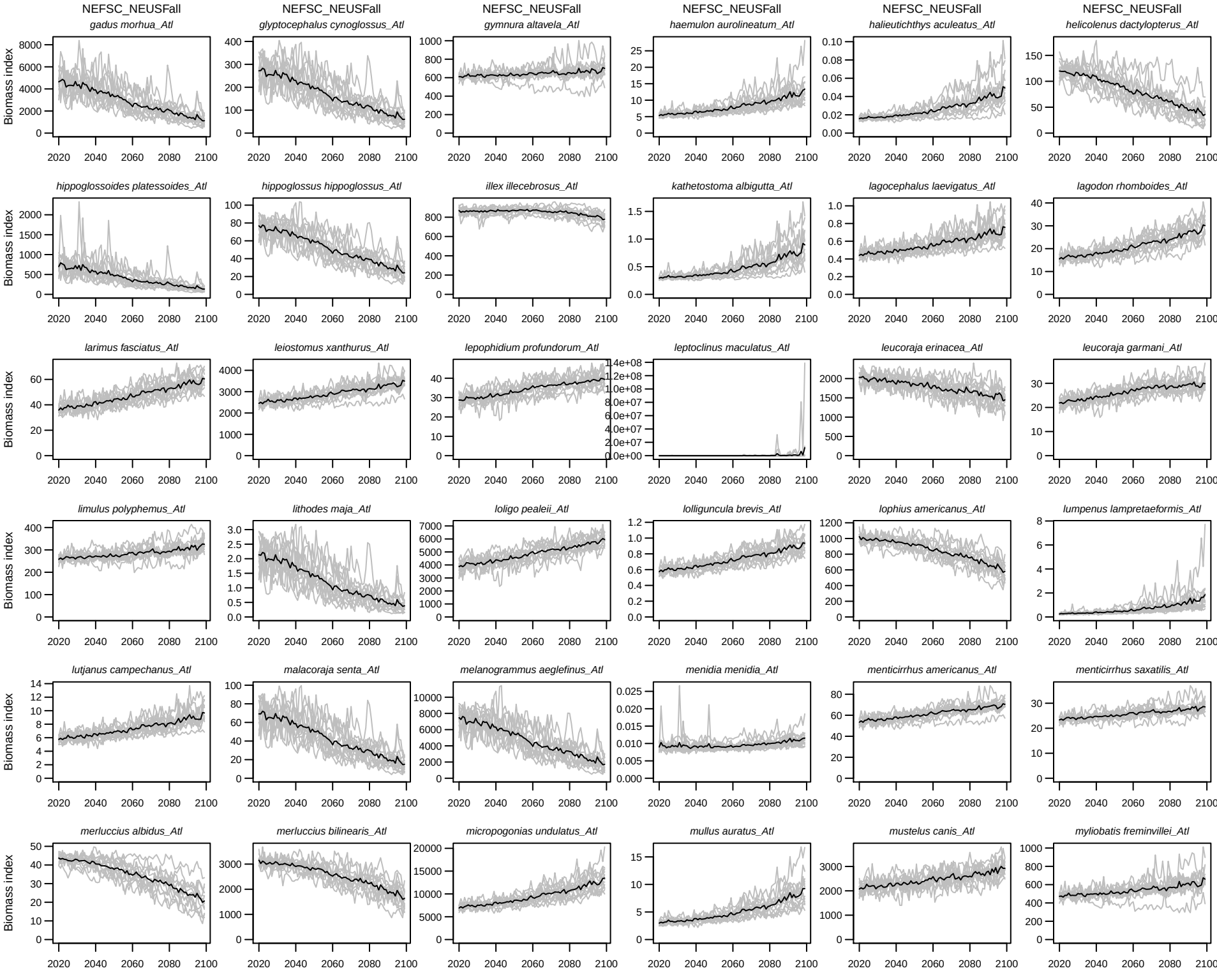
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halieutichthys aculeatus_Atl
helicolenus dactylopterus_Atl
hippoglossoides platessoides_Atl
hippoglossus hippoglossus_Atl
illex illecebrosus_Atl
kathetostoma albigutta_Atl
lagocephalus laevigatus_Atl
lagodon rhomboides_Atl
larimus fasciatus_Atl
leiostomus xanthurus_Atl
lepophidium profundorum_Atl
leptoclinus maculatus_Atl
leucoraja erinacea_Atl
leucoraja garmani_Atl
limulus polyphemus_Atl
lithodes maja_Atl
loligo pealeii_Atl
lolliguncula brevis_Atl
lophius americanus_Atl
lumpenus lampretaeformis_Atl
lutjanus campechanus_Atl
malacoraja senta_Atl
melanogrammus aeglefinus_Atl
menidia menidia_Atl
menticirrhus americanus_Atl
menticirrhus saxatilis_Atl
merluccius albidus_Atl
merluccius bilinearis_Atl
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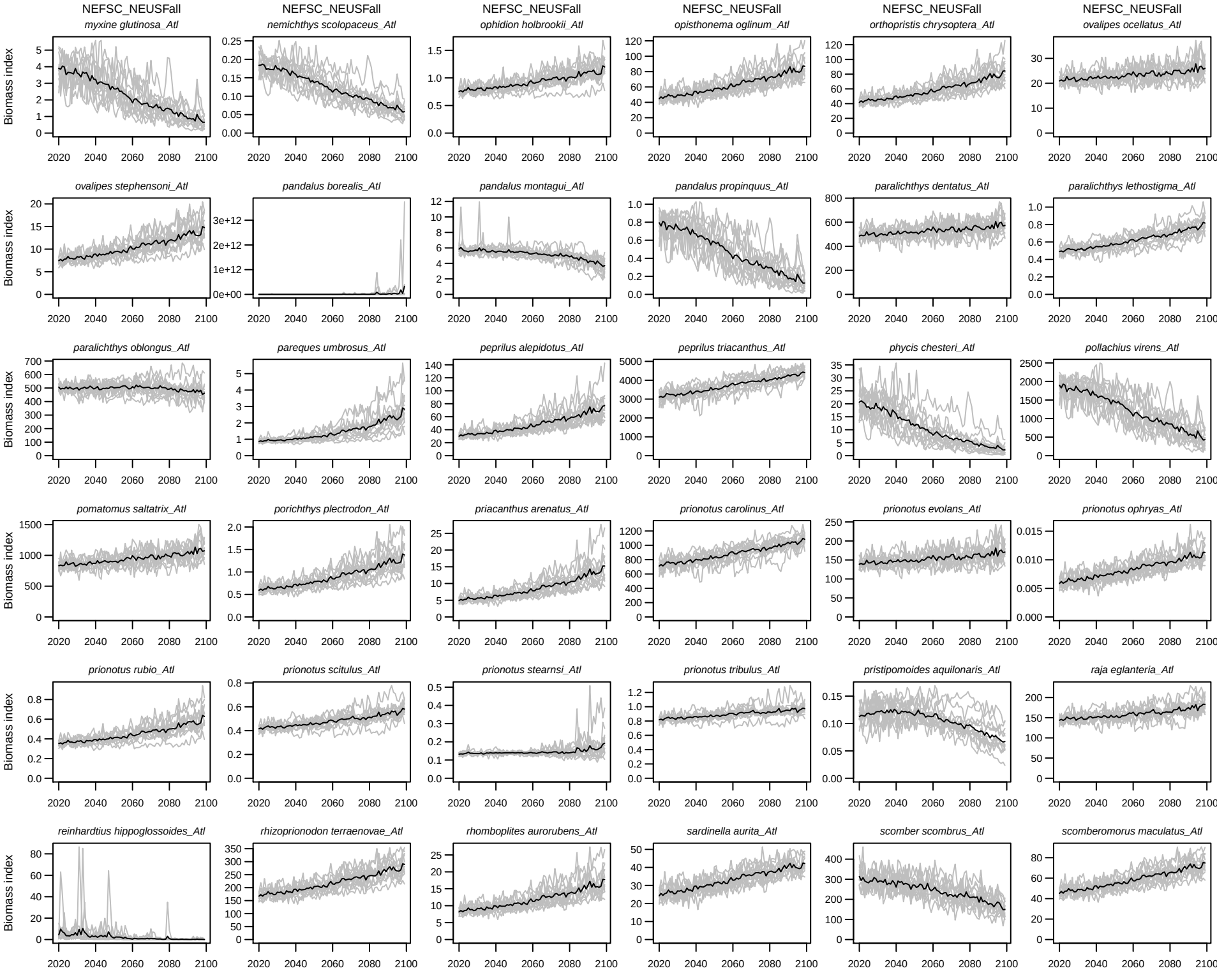
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nemichthys scolopaceus_Atl
ophidion holbrookii_Atl
opisthonema oglinum_Atl
orthopristis chrysoptera_Atl
ovalipes ocellatus_Atl
ovalipes stephensoni_Atl
pandalus borealis_Atl
pandalus montagui_Atl
pandalus propinquus_Atl
paralichthys dentatus_Atl
paralichthys lethostigma_Atl
paralichthys oblongus_Atl
pareques umbrosus_Atl
peprilus alepidotus_Atl
peprilus triacanthus_Atl
phycis chesteri_Atl
pollachius virens_Atl
pomatomus saltatrix_Atl
porichthys plectrodon_Atl
priacanthus arenatus_Atl
prionotus carolinus_Atl
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prionotus scitulus_Atl
prionotus stearnsi_Atl
prionotus tribulus_Atl
pristipomoides aquilonaris_Atl
raja eglanteria_Atl
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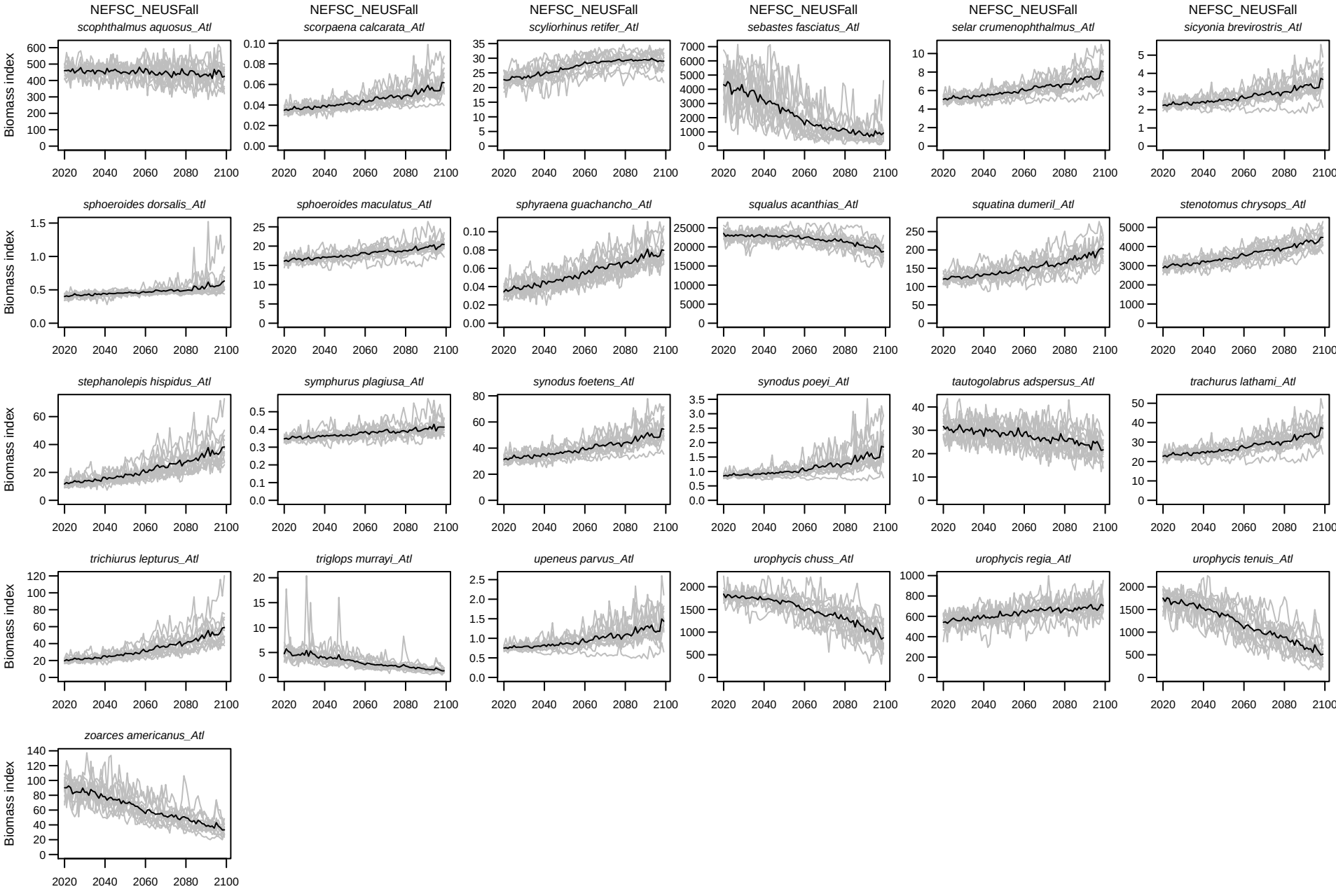
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sphoeroides maculatus_Atl
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squatina dumeril_Atl
stenotomus chrysops_Atl
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symphurus plagiusa_Atl
synodus foetens_Atl
synodus poeyi_Atl
tautogolabrus adspersus_Atl
trachurus lathami_Atl
trichiurus lepturus_Atl
triglops murrayi_Atl
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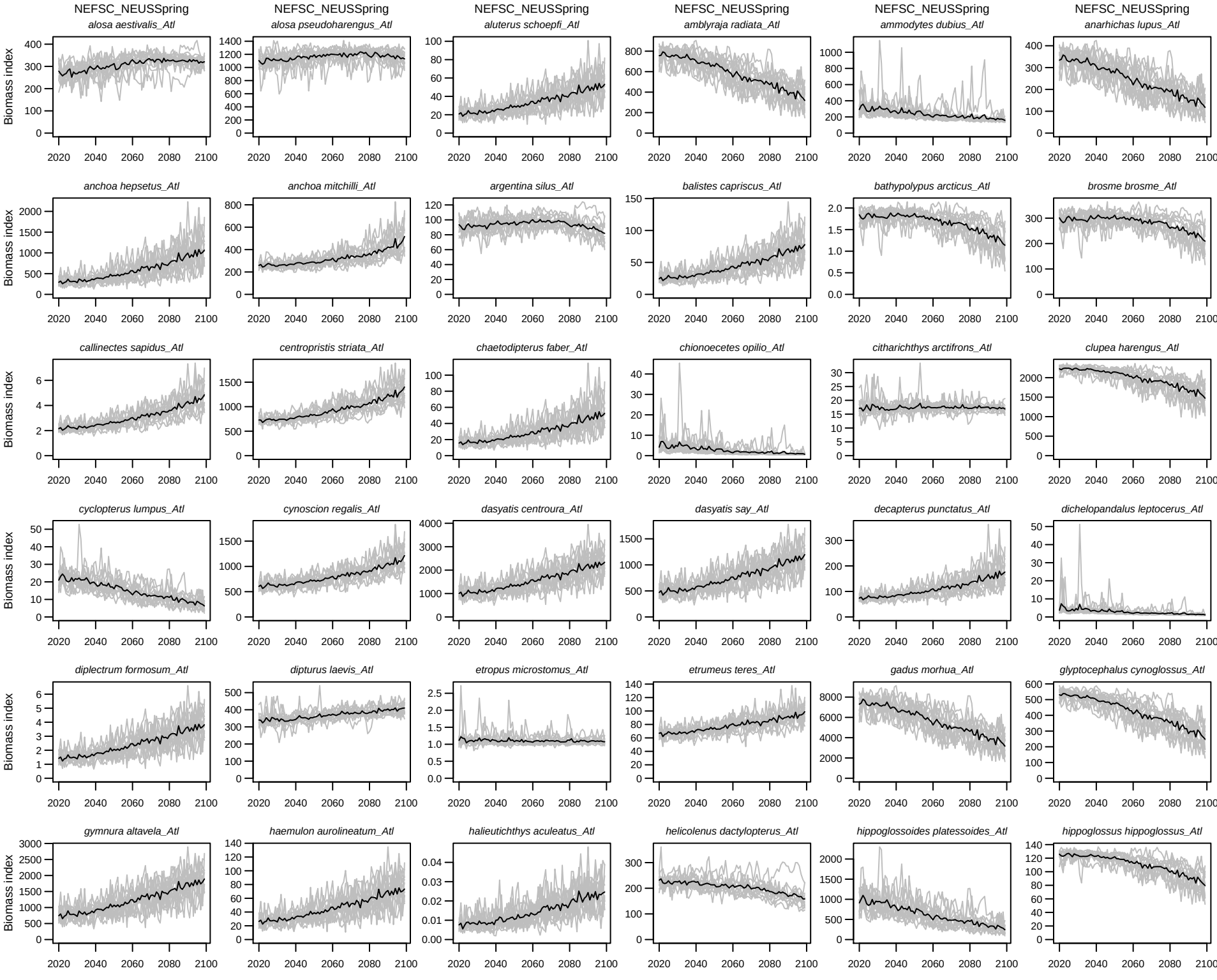
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alosa aestivalis_Atl
alosa pseudoharengus_Atl
aluterus schoepfi_Atl
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anarhichas lupus_Atl
anchoa hepsetus_Atl
anchoa mitchilli_Atl
argentina silus_Atl
balistes capriscus_Atl
bathypolypus arcticus_Atl
brosme brosme_Atl
callinectes sapidus_Atl
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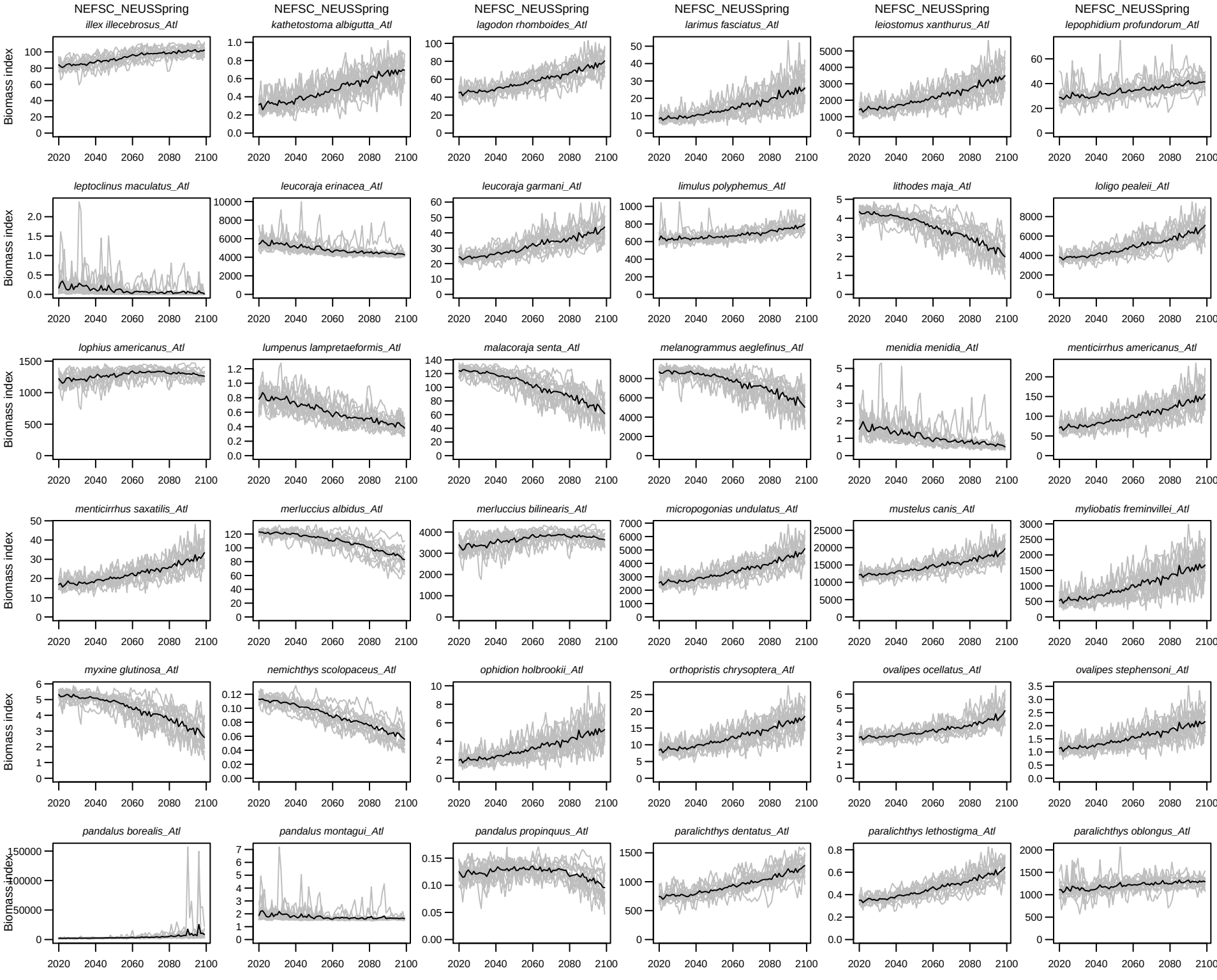
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lagodon rhomboides_Atl
larimus fasciatus_Atl
leiostomus xanthurus_Atl
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limulus polyphemus_Atl
lithodes maja_Atl
loligo pealeii_Atl
lophius americanus_Atl
lumpenus lampretaeformis_Atl
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ovalipes ocellatus_Atl
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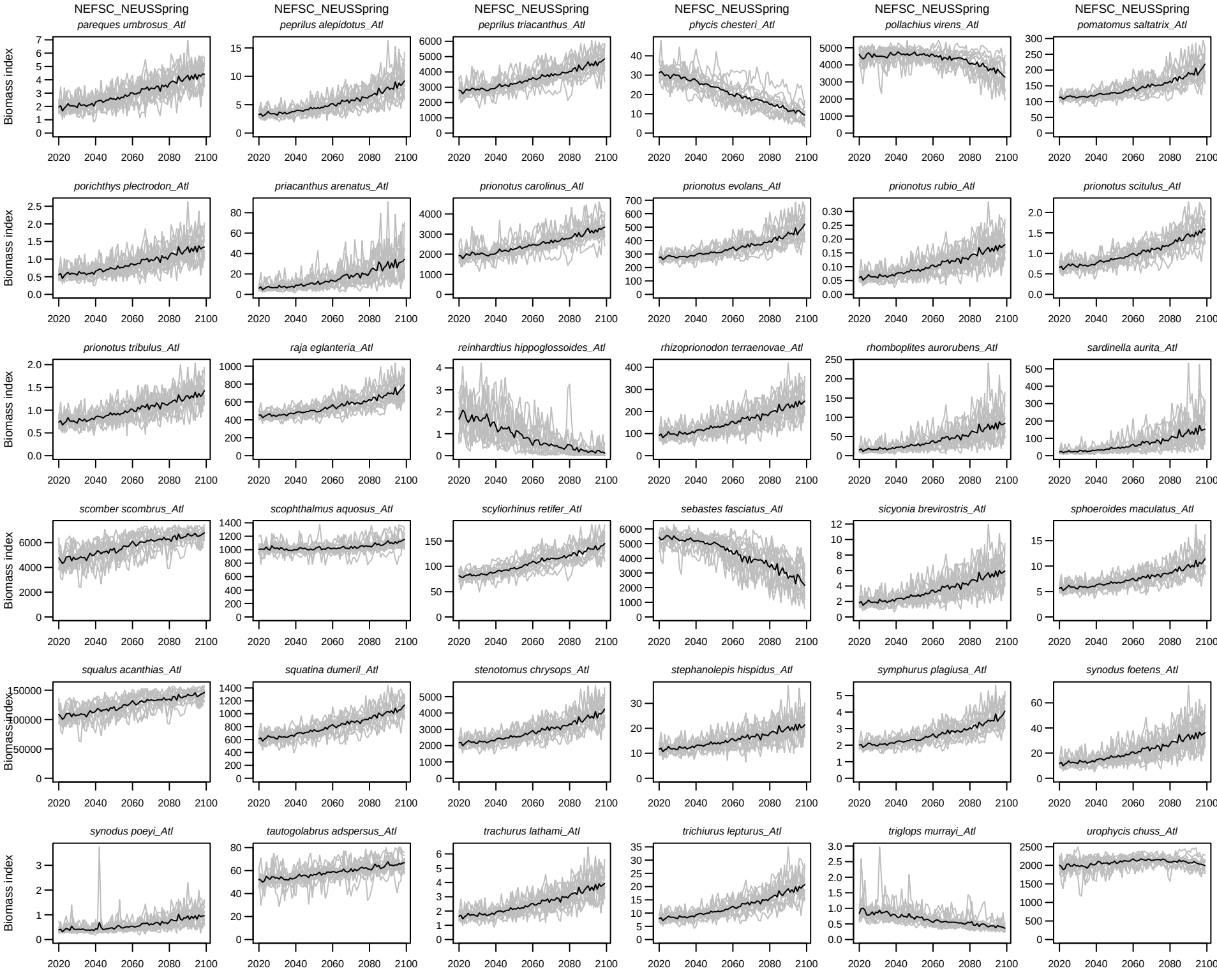
NEFSC_NEUSSpring
pareques umbrosus_Atl
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pollachius virens_Atl
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porichthys plectrodon_Atl
priacanthus arenatus_Atl
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prionotus scitulus_Atl
prionotus tribulus_Atl
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reinhardtius hippoglossoides_Atl
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squatina dumeril_Atl
stenotomus chrysops_Atl
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synodus foetens_Atl
synodus poeyi_Atl
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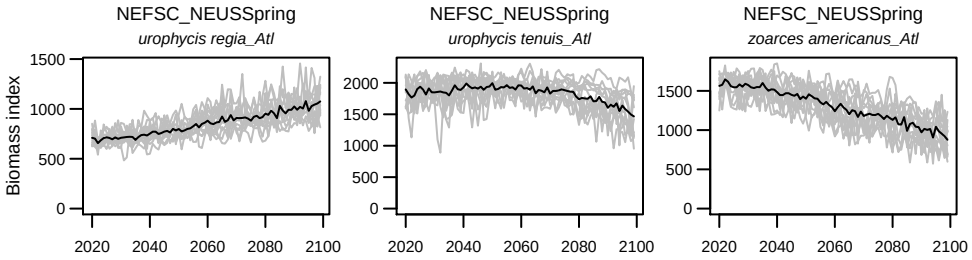
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NEFSC_NEUSSpring
urophycis tenuis_Atl
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zoarces americanus_Atl
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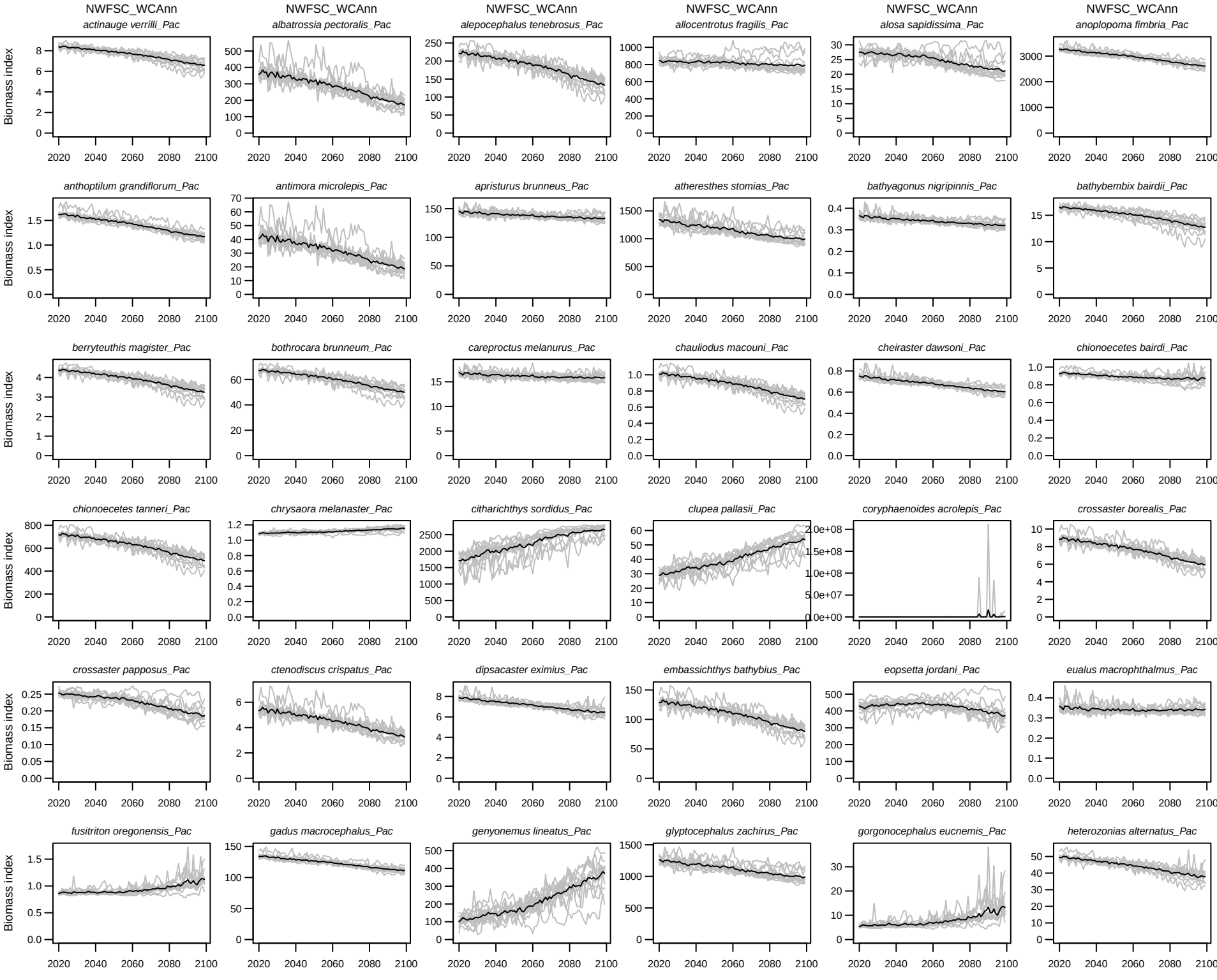
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allocentrotus fragilis_Pac
alosa sapidissima_Pac
anoplopoma fimbria_Pac
anthoptilum grandiflorum_Pac
antimora microlepis_Pac
apristurus brunneus_Pac
atheresthes stomias_Pac
bathyagonus nigripinnis_Pac
bathybembix bairdii_Pac
berryteuthis magister_Pac
bothrocara brunneum_Pac
careproctus melanurus_Pac
chauliodus macouni_Pac
cheiraster dawsoni_Pac
chionoecetes bairdi_Pac
chionoecetes tanneri_Pac
chrysaora melanaster_Pac
citharichthys sordidus_Pac
clupea pallasii_Pac
coryphaenoides acrolepis_Pac
crossaster borealis_Pac
crossaster papposus_Pac
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dipsacaster eximius_Pac
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fusitriton oregonensis_Pac
gadus macrocephalus_Pac
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glyptocephalus zachirus_Pac
gorgonocephalus eucnemis_Pac
heterozonias alternatus_Pac
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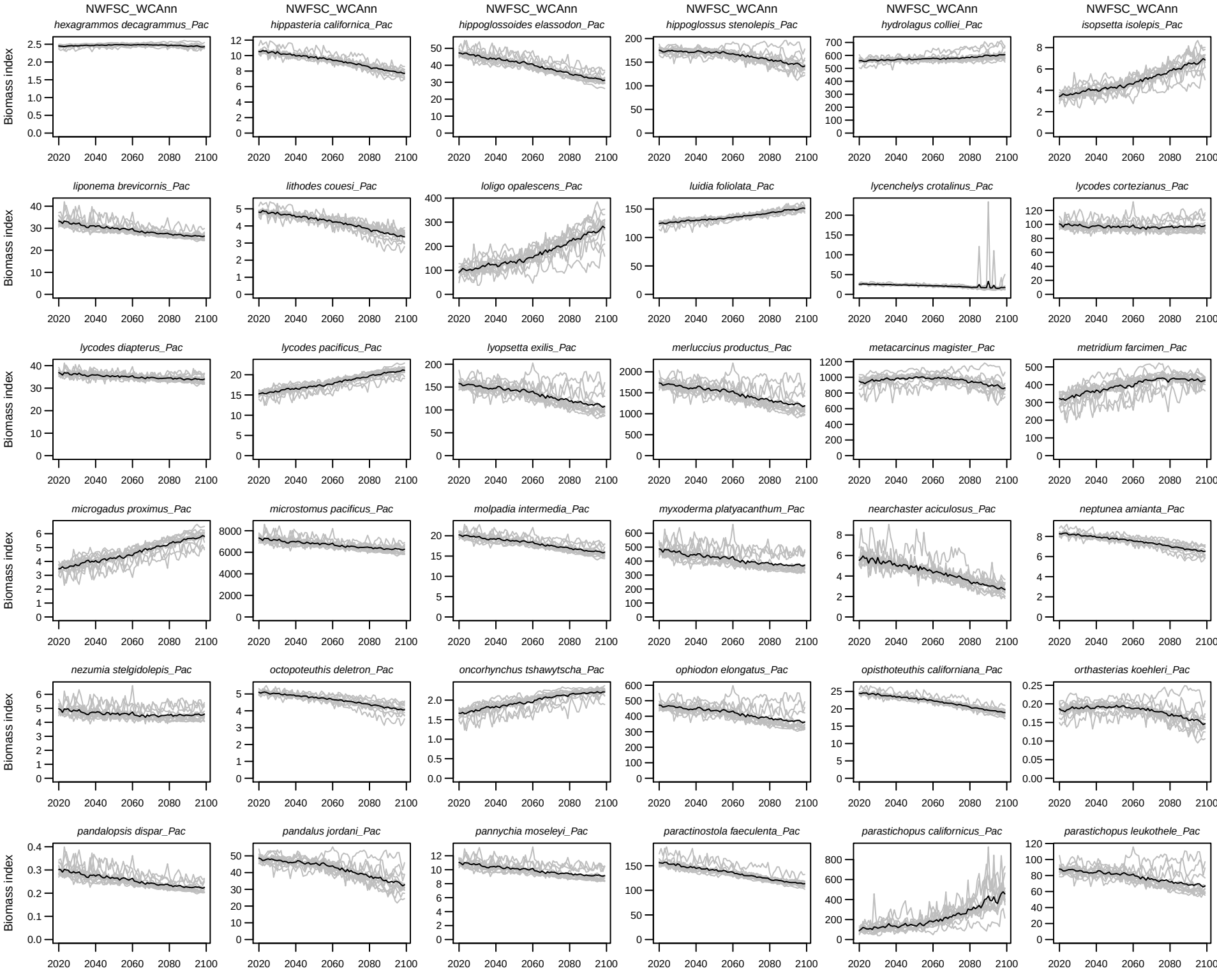
NWFSC_WCAnn
hexagrammos decagrammus_Pac
hippasteria californica_Pac
hippoglossoides elassodon_Pac
hippoglossus stenolepis_Pac
hydrolagus colliei_Pac
isopsetta isolepis_Pac
liponema brevicornis_Pac
lithodes couesi_Pac
loligo opalescens_Pac
luidia foliolata_Pac
lycenchelys crotalinus_Pac
lycodes cortezianus_Pac
lycodes diapterus_Pac
lycodes pacificus_Pac
lyopsetta exilis_Pac
merluccius productus_Pac
metacarcinus magister_Pac
metridium farcimen_Pac
microgadus proximus_Pac
microstomus pacificus_Pac
molpadia intermedia_Pac
myxoderma platyacanthum_Pac
nearchaster aciculosus_Pac
neptunea amianta_Pac
nezumia stelgidolepis_Pac
octopoteuthis deletron_Pac
oncorhynchus tshawytscha_Pac
ophiodon elongatus_Pac
opisthoteuthis californiana_Pac
orthasterias koehleri_Pac
pandalopsis dispar_Pac
pandalus jordani_Pac
pannychia moseleyi_Pac
paractinostola faeculenta_Pac
parastichopus californicus_Pac
parastichopus leukothele_Pac
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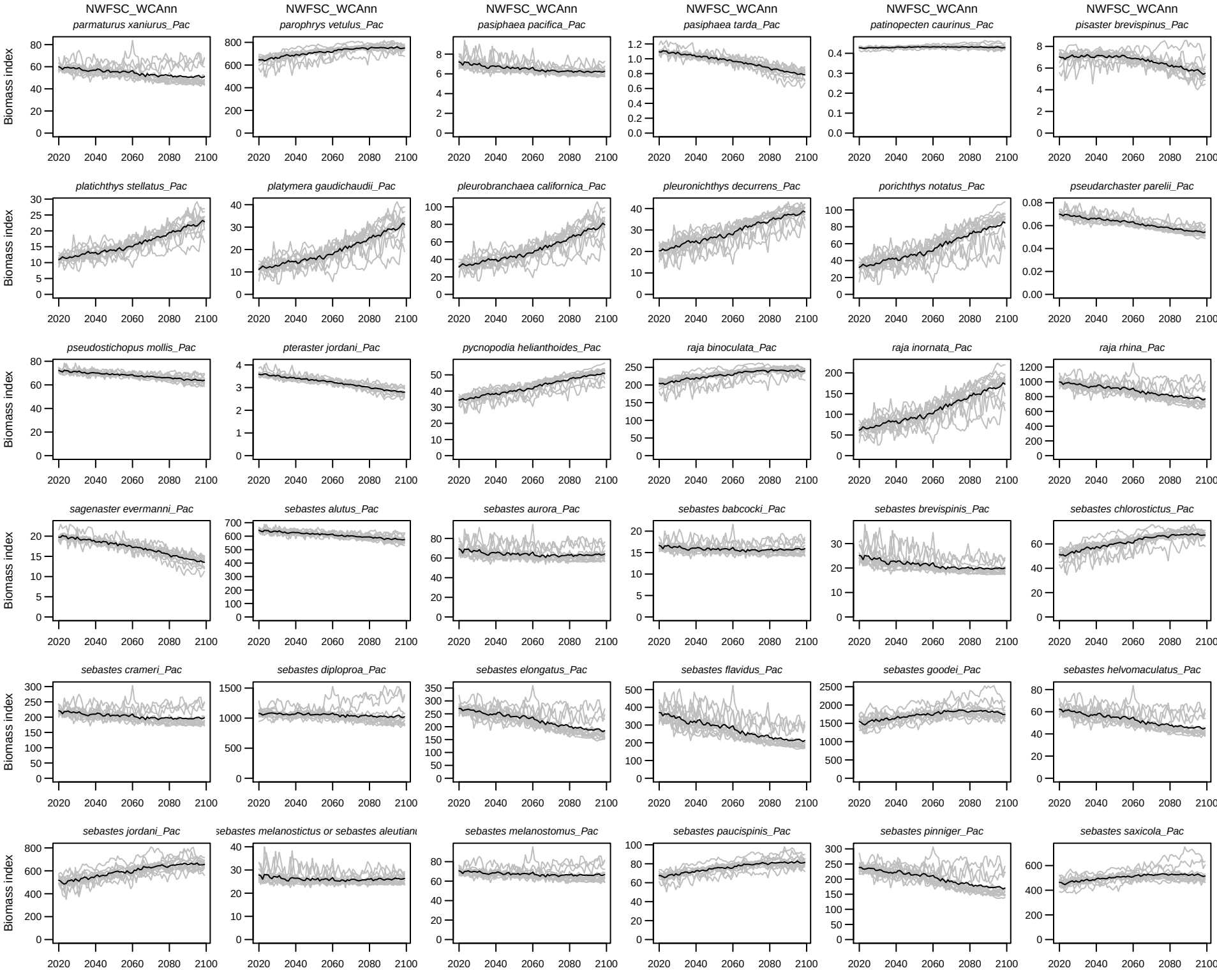
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parmaturus xaniurus_Pac
parophrys vetulus_Pac
pasiphaea pacifica_Pac
pasiphaea tarda_Pac
patinopecten caurinus_Pac
pisaster brevispinus_Pac
platichthys stellatus_Pac
platymera gaudichaudii_Pac
pleurobranchaea californica_Pac
pleuronichthys decurrens_Pac
porichthys notatus_Pac
pseudarchaster parelii_Pac
pseudostichopus mollis_Pac
pteraster jordani_Pac
pycnopodia helianthoides_Pac
raja binoculata_Pac
raja inornata_Pac
raja rhina_Pac
sagenaster evermanni_Pac
sebastes alutus_Pac
sebastes aurora_Pac
sebastes babcocki_Pac
sebastes brevispinis_Pac
sebastes chlorostictus_Pac
sebastes crameri_Pac
sebastes diploproa_Pac
sebastes elongatus_Pac
sebastes flavidus_Pac
sebastes goodei_Pac
sebastes helvomaculatus_Pac
sebastes jordani_Pac
sebastes melanostictus or sebastes aleutian
sebastes melanostomus_Pac
sebastes paucispinis_Pac
sebastes pinniger_Pac
sebastes saxicola_Pac
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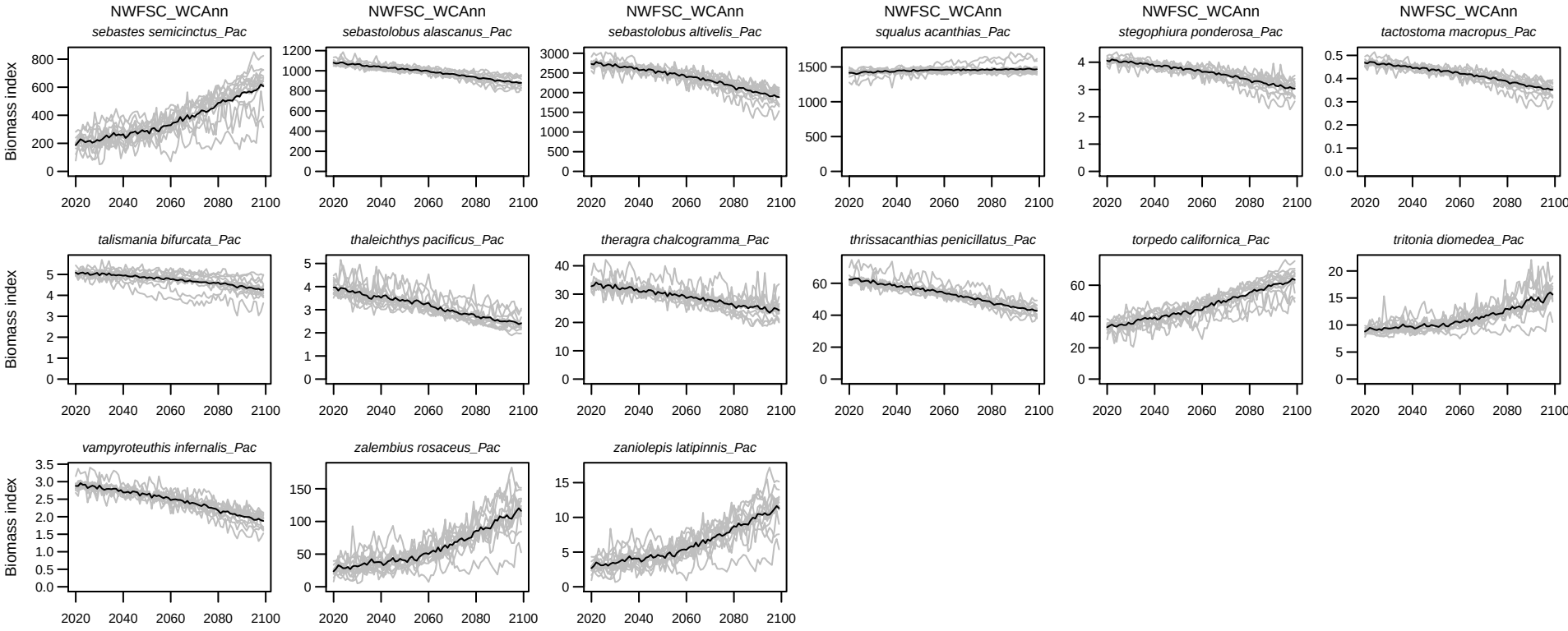
NWFSC_WCAnn
sebastes semicinctus_Pac
sebastolobus alascanus_Pac
sebastolobus altivelis_Pac
squalus acanthias_Pac
stegophiura ponderosa_Pac
tactostoma macropus_Pac
talismania bifurcata_Pac
thaleichthys pacificus_Pac
theragra chalcogramma_Pac
thrissacanthias penicillatus_Pac
torpedo californica_Pac
tritonia diomedea_Pac
vampyroteuthis infernalis_Pac
zalembius rosaceus_Pac
zaniolepis latipinnis_Pac
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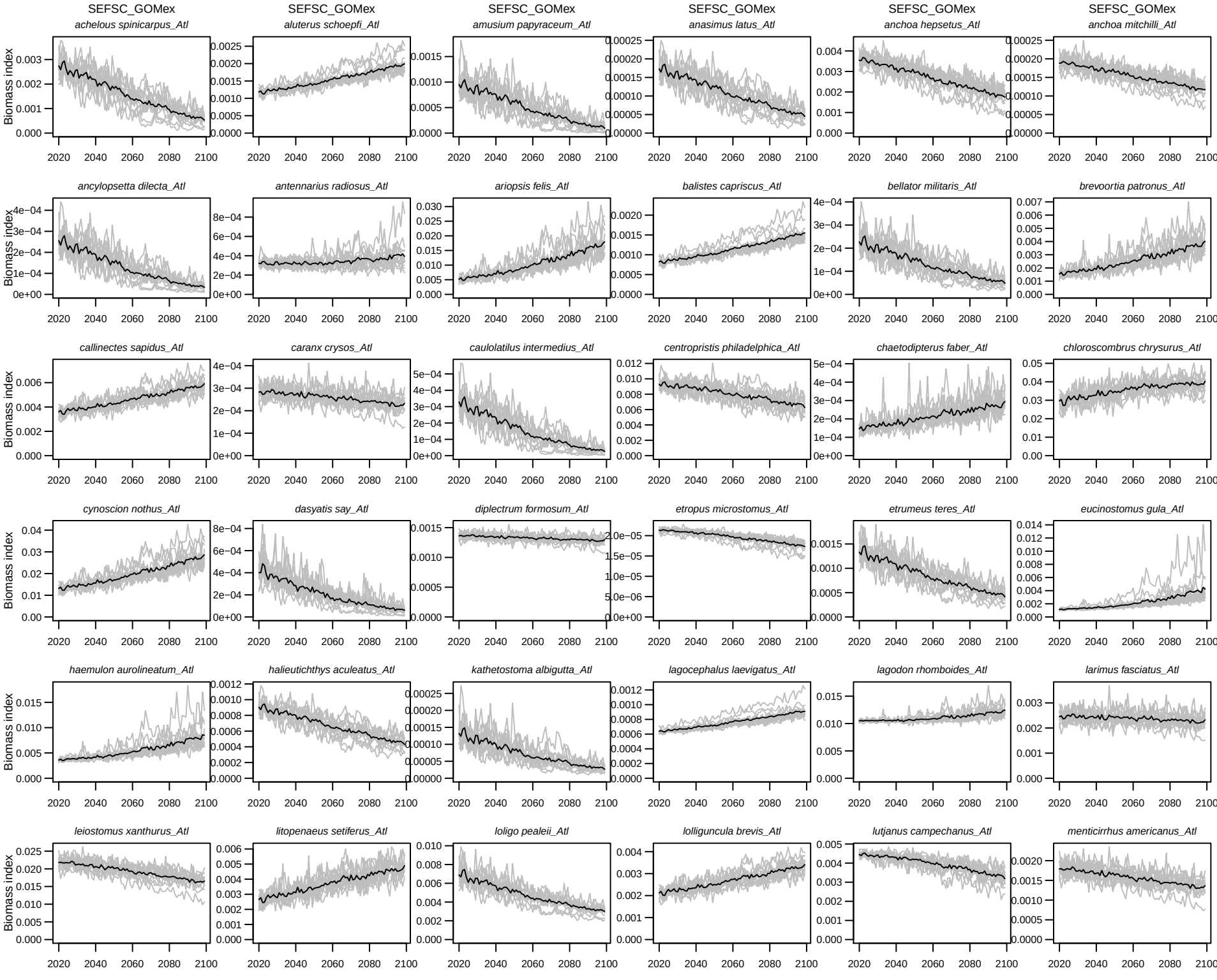
SEFSC_GOMex
achelous spinicarpus_Atl
aluterus schoepfi_Atl
amusium papyraceum_Atl
anasimus latus_Atl
anchoa hepsetus_Atl
anchoa mitchilli_Atl
ancylopsetta dilecta_Atl
antennarius radiosus_Atl
ariopsis felis_Atl
balistes capriscus_Atl
bellator militaris_Atl
brevoortia patronus_Atl
callinectes sapidus_Atl
caranx crysos_Atl
caulolatilus intermedius_Atl
centropristis philadelphica_Atl
chaetodipterus faber_Atl
chloroscombrus chrysurus_Atl
cynoscion nothus_Atl
dasyatis say_Atl
diplectrum formosum_Atl
etropus microstomus_Atl
etrumeus teres_Atl
eucinostomus gula_Atl
haemulon aurolineatum_Atl
halieutichthys aculeatus_Atl
kathetostoma albigutta_Atl
lagocephalus laevigatus_Atl
lagodon rhomboides_Atl
larimus fasciatus_Atl
leiostomus xanthurus_Atl
litopenaeus setiferus_Atl
loligo pealeii_Atl
lolliguncula brevis_Atl
lutjanus campechanus_Atl
menticirrhus americanus_Atl
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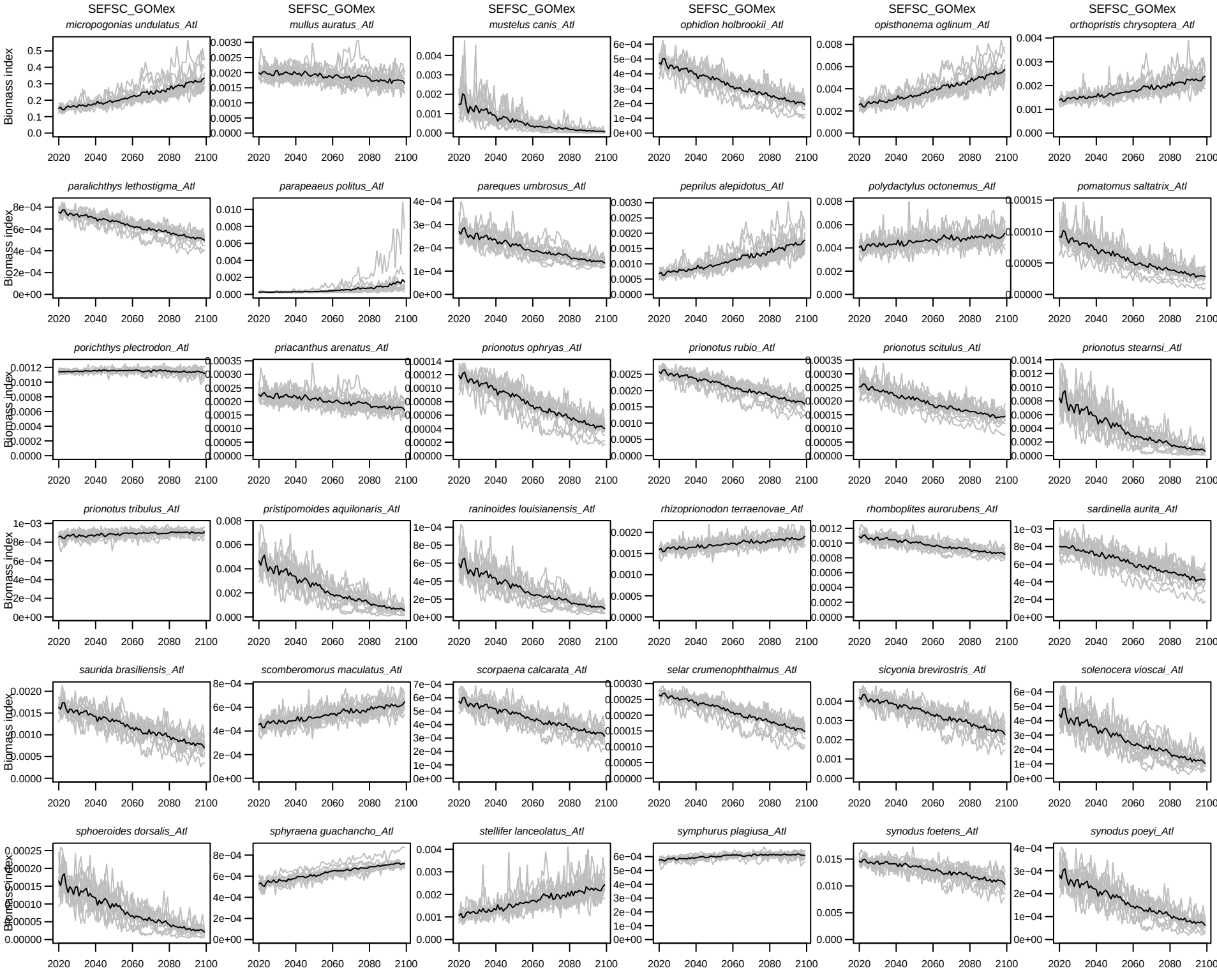
SEFSC_GOMex
micropogonias undulatus_Atl
mullus auratus_Atl
mustelus canis_Atl
ophidion holbrookii_Atl
opisthonema oglinum_Atl
orthopristis chrysoptera_Atl
paralichthys lethostigma_Atl
parapeaeus politus_Atl
pareques umbrosus_Atl
peprilus alepidotus_Atl
polydactylus octonemus_Atl
pomatomus saltatrix_Atl
porichthys plectrodon_Atl
priacanthus arenatus_Atl
prionotus ophryas_Atl
prionotus rubio_Atl
prionotus scitulus_Atl
prionotus stearnsi_Atl
prionotus tribulus_Atl
pristipomoides aquilonaris_Atl
raninoides louisianensis_Atl
rhizoprionodon terraenovae_Atl
rhomboplites aurorubens_Atl
sardinella aurita_Atl
saurida brasiliensis_Atl
scomberomorus maculatus_Atl
scorpaena calcarata_Atl
selar crumenophthalmus_Atl
sicyonia brevirostris_Atl
solenocera vioscai_Atl
sphoeroides dorsalis_Atl
sphyraena guachancho_Atl
stellifer lanceolatus_Atl
symphurus plagiusa_Atl
synodus foetens_Atl
synodus poeyi_Atl
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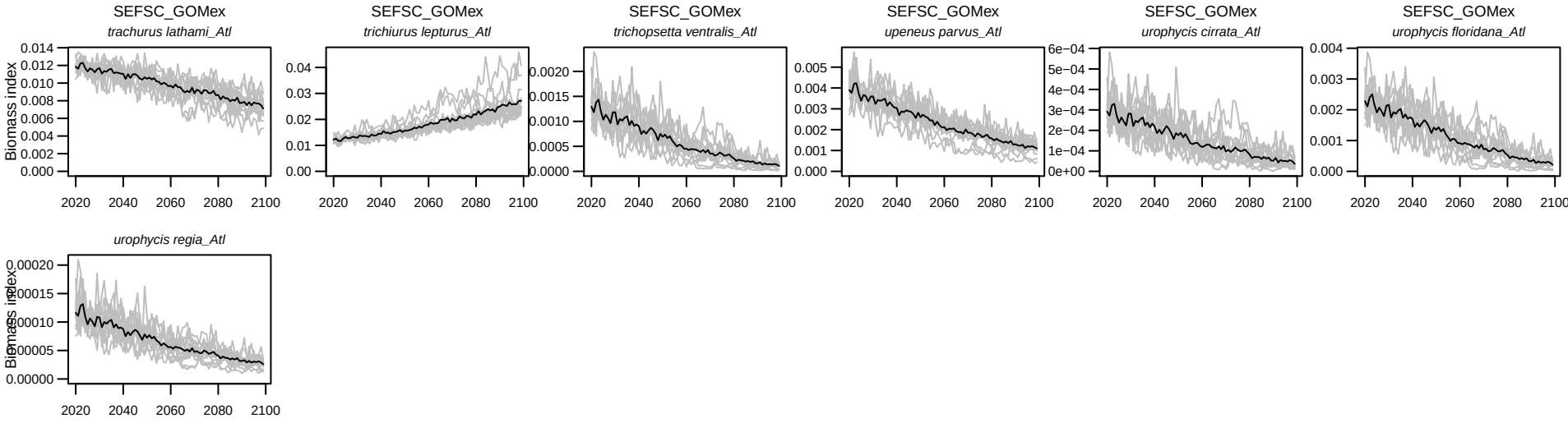
SEFSC_GOMex
trachurus lathami_Atl
trichiurus lepturus_Atl
trichopsetta ventralis_Atl
upeneus parvus_Atl
urophycis cirrata_Atl
urophycis floridana_Atl
urophycis regia_Atl
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