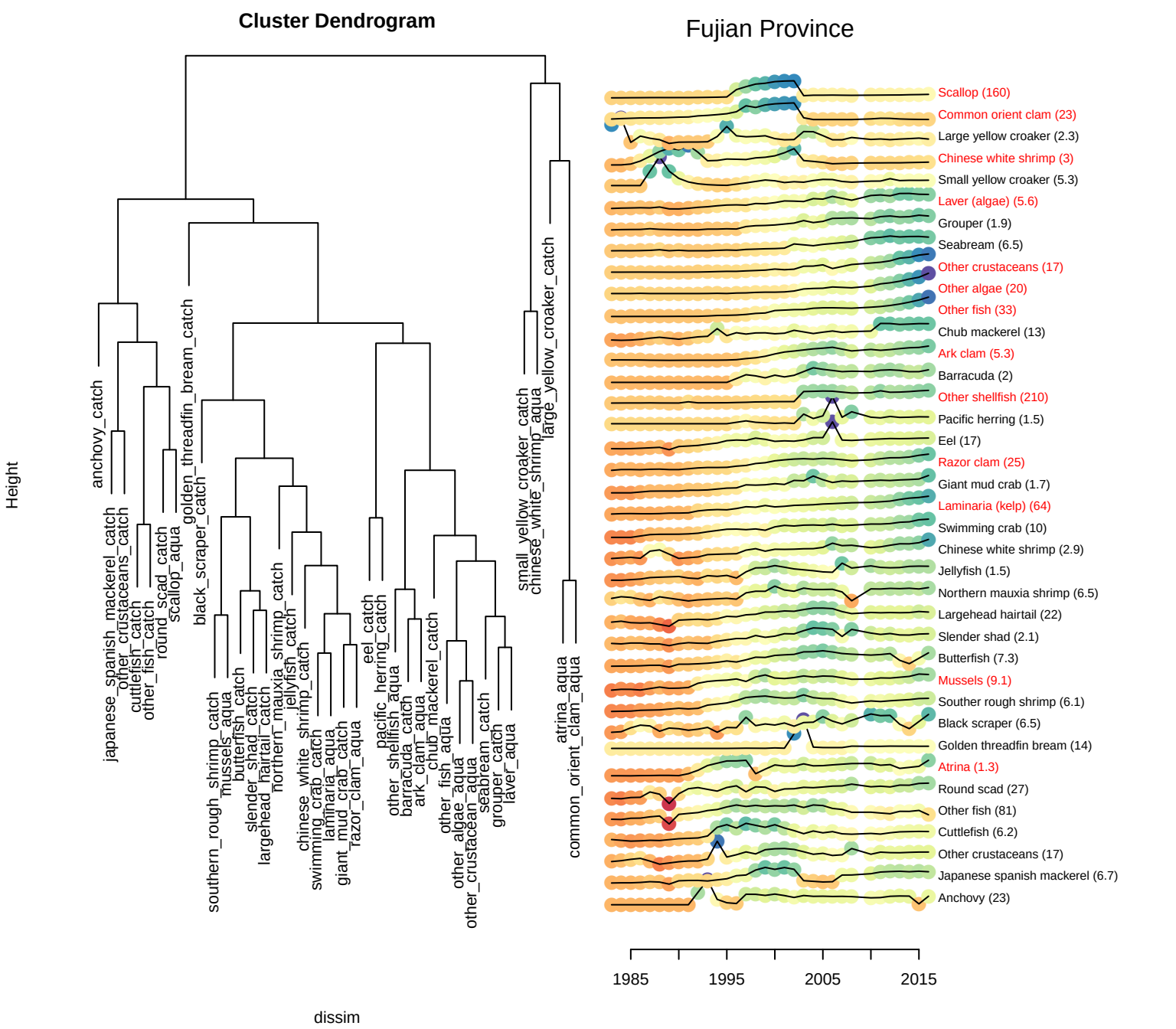
Cluster Dendrogram
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cuttlefish_catch
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scallop_aqua
golden_threadfin_bream_catch
black_scraper_catch
southern_rough_shrimp_catch
mussels_aqua
butterfish_catch
slender_shad_catch
largehead_hairtail_catch
northern_mauxia_shrimp_catch
jellyfish_catch
chinese_white_shrimp_catch
swimming_crab_catch
laminaria_aqua
giant_mud_crab_catch
razor_clam_aqua
eel_catch
pacific_herring_catch
other_shellfish_aqua
barracuda_catch
ark_clam_aqua
chub_mackerel_catch
other_fish_aqua
other_algae_aqua
other_crustacean_aqua
seabream_catch
grouper_catch
laver_aqua
small_yellow_croaker_catch
chinese_white_shrimp_aqua
large_yellow_croaker_catch
atrina_aqua
common_orient_clam_aqua
Fujian Province
Scallop (160)
Common orient clam (23)
Large yellow croaker (2.3)
Chinese white shrimp (3)
Small yellow croaker (5.3)
Laver (algae) (5.6)
Grouper (1.9)
Seabream (6.5)
Other crustaceans (17)
Other algae (20)
Other fish (33)
Chub mackerel (13)
Ark clam (5.3)
Barracuda (2)
Other shellfish (210)
Pacific herring (1.5)
Eel (17)
Razor clam (25)
Giant mud crab (1.7)
Laminaria (kelp) (64)
Swimming crab (10)
Chinese white shrimp (2.9)
Jellyfish (1.5)
Northern mauxia shrimp (6.5)
Largehead hairtail (22)
Slender shad (2.1)
Butterfish (7.3)
Mussels (9.1)
Souther rough shrimp (6.1)
Black scraper (6.5)
Golden threadfin bream (14)
Atrina (1.3)
Round scad (27)
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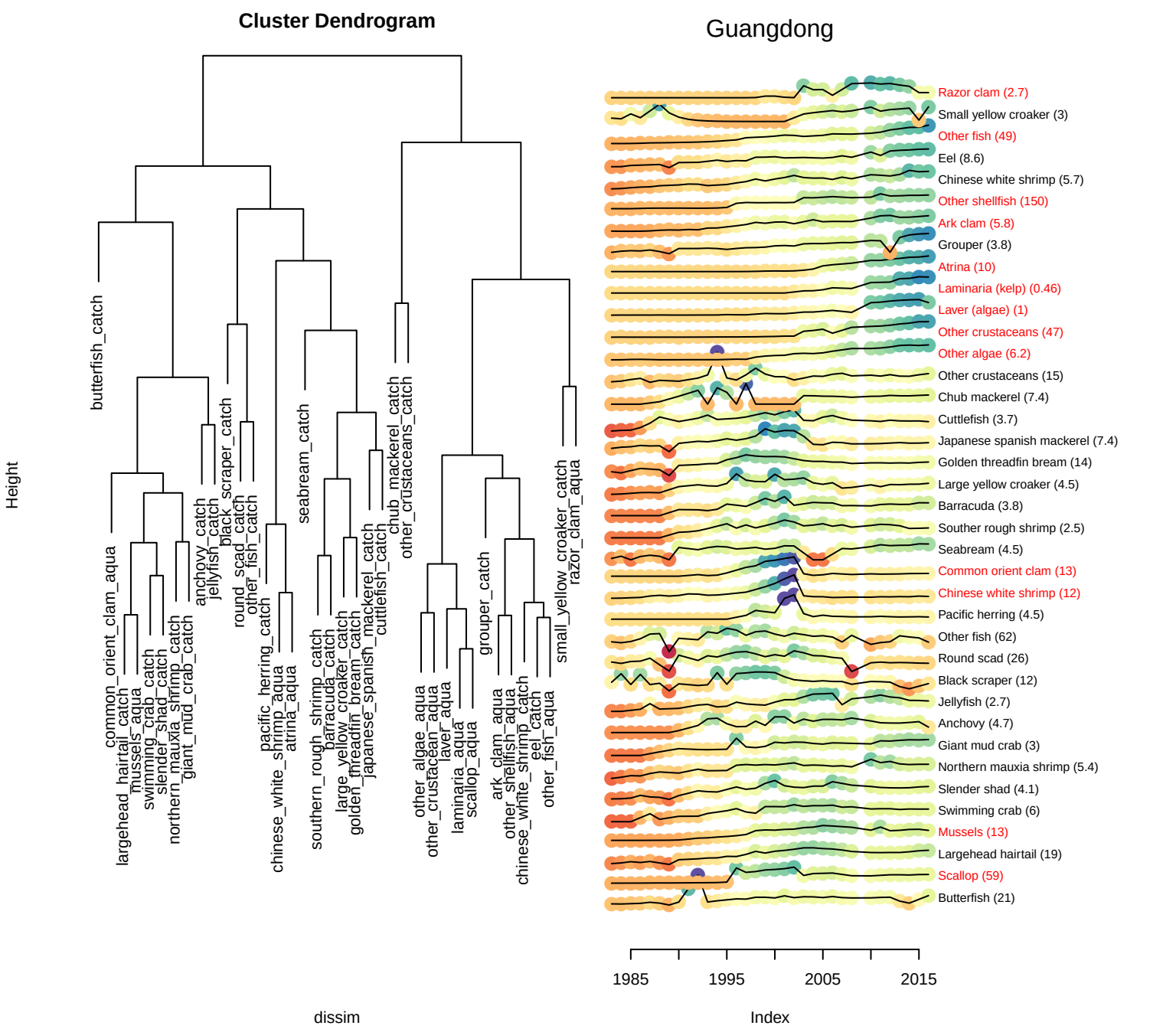
Anchovy (23)
1985
1995
2005
2015


Cluster Dendrogram
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giant_mud_crab_catch
anchovy_catch
jellyfish_catch
black_scraper_catch
round_scad_catch
other_fish_catch
pacific_herring_catch
chinese_white_shrimp_aqua
atrina_aqua
seabream_catch
southern_rough_shrimp_catch
barracuda_catch
large_yellow_croaker_catch
golden_threadfin_bream_catch
japanese_spanish_mackerel_catch
cuttlefish_catch
chub_mackerel_catch
other_crustaceans_catch
other_algae_aqua
other_crustacean_aqua
laver_aqua
laminaria_aqua
scallop_aqua
grouper_catch
ark_clam_aqua
other_shellfish_aqua
chinese_white_shrimp_catch
eel_catch
other_fish_aqua
small_yellow_croaker_catch
razor_clam_aqua
Guangdong
Razor clam (2.7)
Small yellow croaker (3)
Other fish (49)
Eel (8.6)
Chinese white shrimp (5.7)
Other shellfish (150)
Ark clam (5.8)
Grouper (3.8)
Atrina (10)
Laminaria (kelp) (0.46)
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Other algae (6.2)
Other crustaceans (15)
Chub mackerel (7.4)
Cuttlefish (3.7)
Japanese spanish mackerel (7.4)
Golden threadfin bream (14)
Large yellow croaker (4.5)
Barracuda (3.8)
Souther rough shrimp (2.5)
Seabream (4.5)
Common orient clam (13)
Chinese white shrimp (12)
Pacific herring (4.5)
Other fish (62)
Round scad (26)
Black scraper (12)
Jellyfish (2.7)
Anchovy (4.7)
Giant mud crab (3)
Northern mauxia shrimp (5.4)
Slender shad (4.1)
Swimming crab (6)
Mussels (13)
Largehead hairtail (19)
Scallop (59)
Butterfish (21)
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1995
2005
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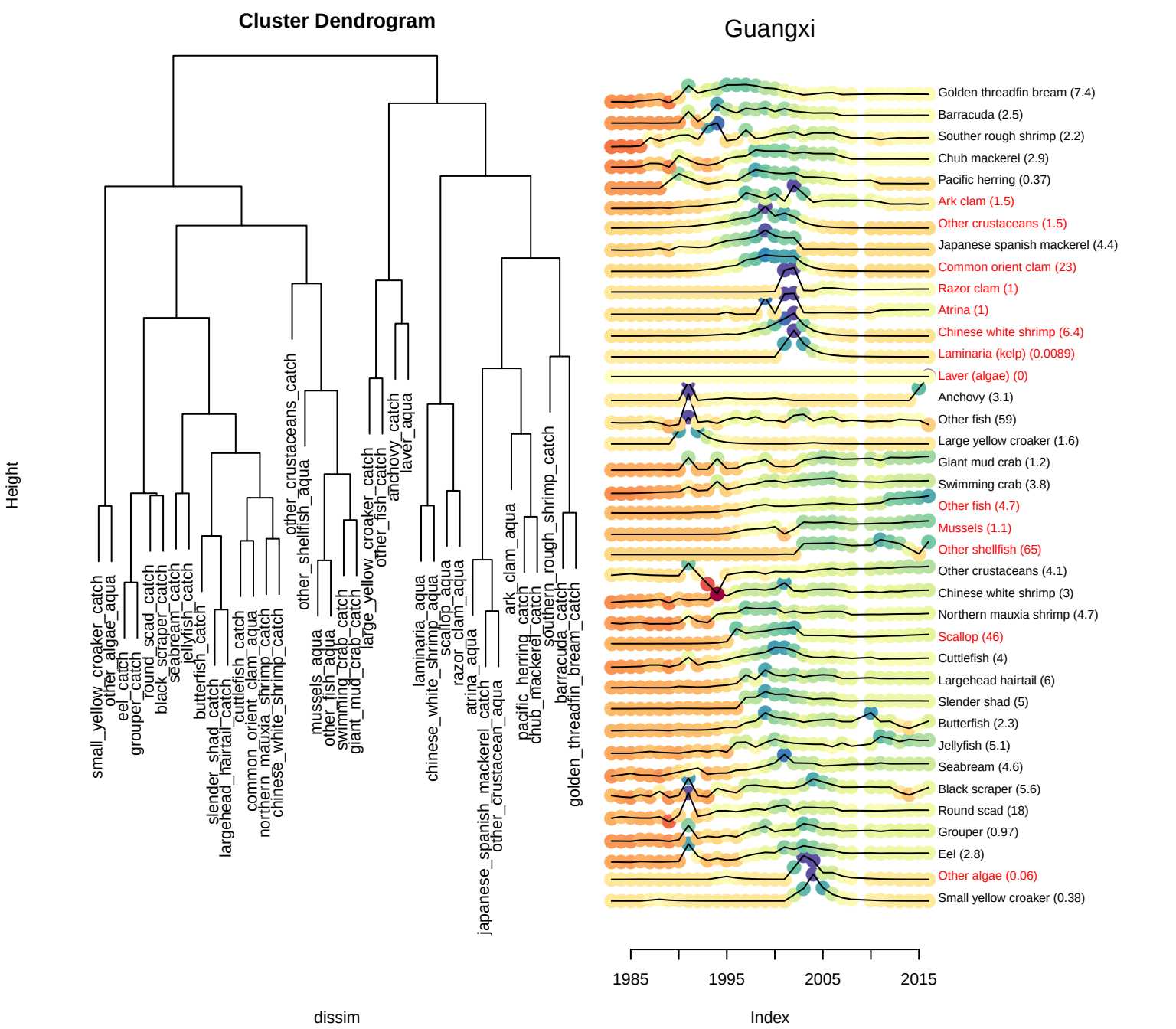
Cluster Dendrogram
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butterfish_catch
slender_shad_catch
largehead_hairtail_catch
cuttlefish_catch
common_orient_clam_aqua
northern_mauxia_shrimp_catch
chinese_white_shrimp_catch
other_crustaceans_catch
other_shellfish_aqua
mussels_aqua
other_fish_aqua
swimming_crab_catch
giant_mud_crab_catch
large_yellow_croaker_catch
other_fish_catch
anchovy_catch
laver_aqua
laminaria_aqua
chinese_white_shrimp_aqua
scallop_aqua
razor_clam_aqua
atrina_aqua
japanese_spanish_mackerel_catch
other_crustacean_aqua
ark_clam_aqua
pacific_herring_catch
chub_mackerel_catch
southern_rough_shrimp_catch
barracuda_catch
golden_threadfin_bream_catch
Guangxi
Golden threadfin bream (7.4)
Barracuda (2.5)
Souther rough shrimp (2.2)
Chub mackerel (2.9)
Pacific herring (0.37)
Ark clam (1.5)
Other crustaceans (1.5)
Japanese spanish mackerel (4.4)
Common orient clam (23)
Razor clam (1)
Atrina (1)
Chinese white shrimp (6.4)
Laminaria (kelp) (0.0089)
Laver (algae) (0)
Anchovy (3.1)
Other fish (59)
Large yellow croaker (1.6)
Giant mud crab (1.2)
Swimming crab (3.8)
Other fish (4.7)
Mussels (1.1)
Other shellfish (65)
Other crustaceans (4.1)
Chinese white shrimp (3)
Northern mauxia shrimp (4.7)
Scallop (46)
Cuttlefish (4)
Largehead hairtail (6)
Slender shad (5)
Butterfish (2.3)
Jellyfish (5.1)
Seabream (4.6)
Black scraper (5.6)
Round scad (18)
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Eel (2.8)
Other algae (0.06)
Small yellow croaker (0.38)
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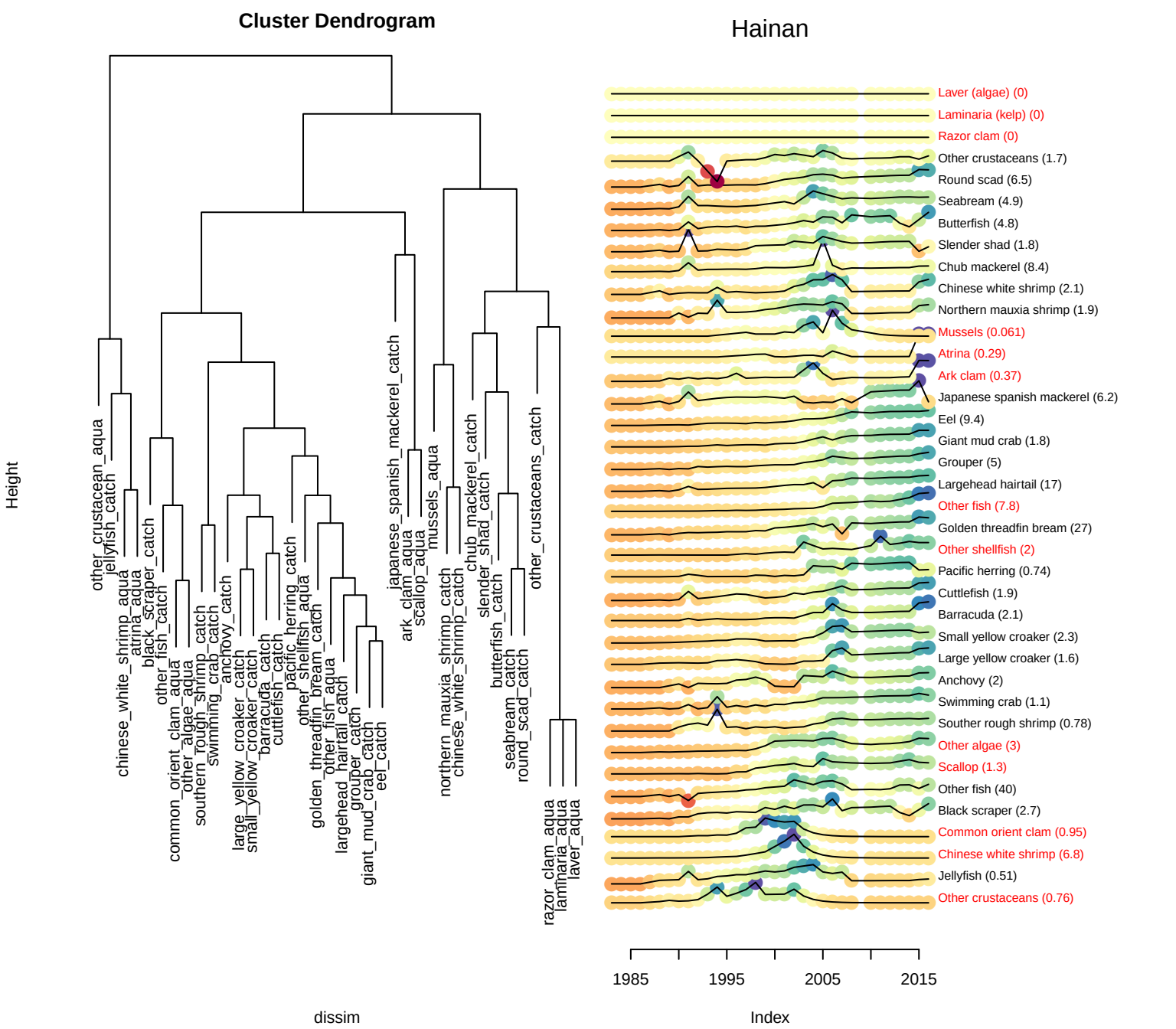
Cluster Dendrogram
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atrina_aqua
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other_fish_catch
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other_algae_aqua
southern_rough_shrimp_catch
swimming_crab_catch
anchovy_catch
large_yellow_croaker_catch
small_yellow_croaker_catch
barracuda_catch
cuttlefish_catch
pacific_herring_catch
other_shellfish_aqua
golden_threadfin_bream_catch
other_fish_aqua
largehead_hairtail_catch
grouper_catch
giant_mud_crab_catch
eel_catch
japanese_spanish_mackerel_catch
ark_clam_aqua
scallop_aqua
mussels_aqua
northern_mauxia_shrimp_catch
chinese_white_shrimp_catch
chub_mackerel_catch
slender_shad_catch
butterfish_catch
seabream_catch
round_scad_catch
other_crustaceans_catch
razor_clam_aqua
laminaria_aqua
laver_aqua
Hainan
Laver (algae) (0)
Laminaria (kelp) (0)
Razor clam (0)
Other crustaceans (1.7)
Round scad (6.5)
Seabream (4.9)
Butterfish (4.8)
Slender shad (1.8)
Chub mackerel (8.4)
Chinese white shrimp (2.1)
Northern mauxia shrimp (1.9)
Mussels (0.061)
Atrina (0.29)
Ark clam (0.37)
Japanese spanish mackerel (6.2)
Eel (9.4)
Giant mud crab (1.8)
Grouper (5)
Largehead hairtail (17)
Other fish (7.8)
Golden threadfin bream (27)
Other shellfish (2)
Pacific herring (0.74)
Cuttlefish (1.9)
Barracuda (2.1)
Small yellow croaker (2.3)
Large yellow croaker (1.6)
Anchovy (2)
Swimming crab (1.1)
Souther rough shrimp (0.78)
Other algae (3)
Scallop (1.3)
Other fish (40)
Black scraper (2.7)
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Chinese white shrimp (6.8)
Jellyfish (0.51)
Other crustaceans (0.76)
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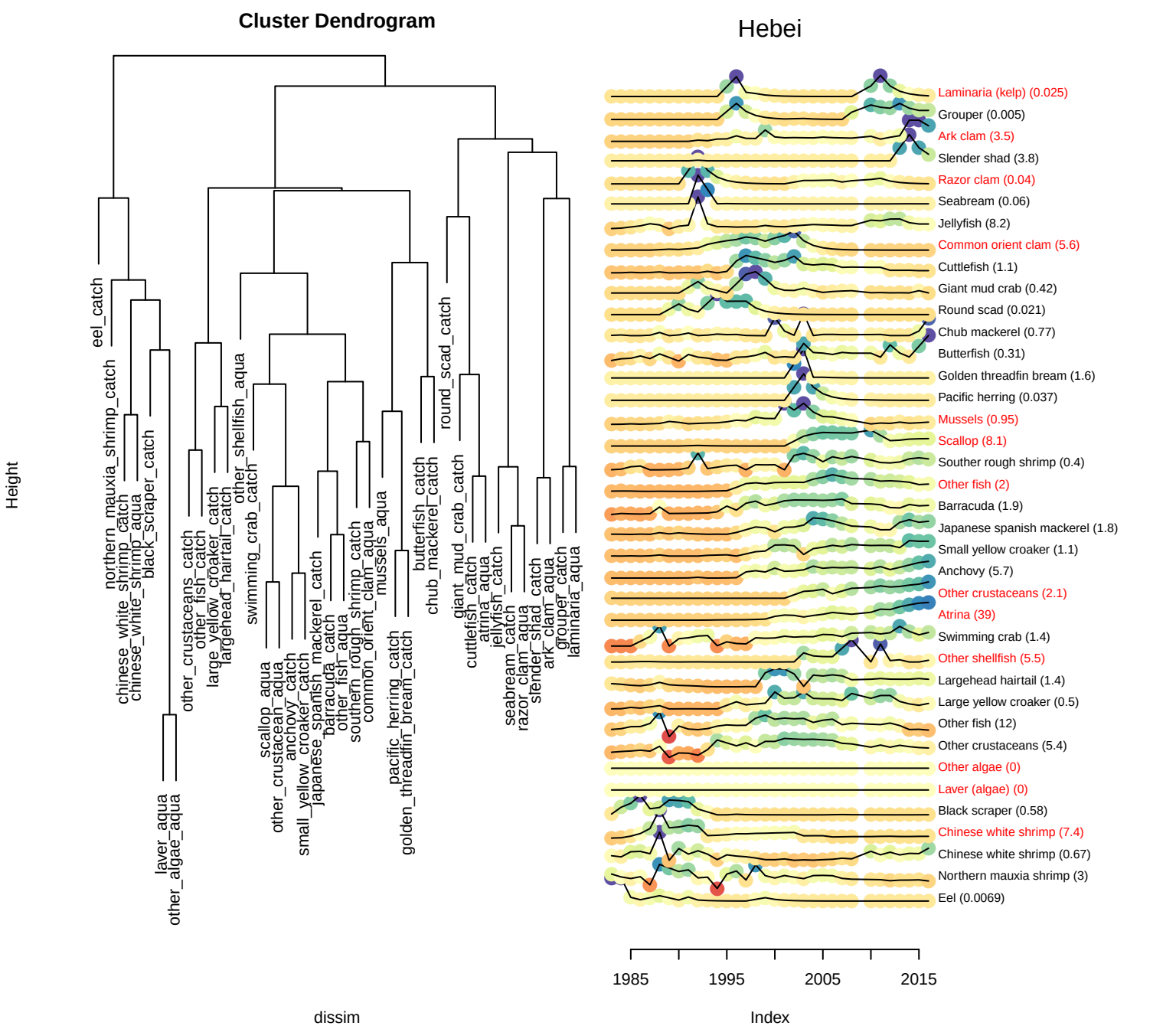
Cluster Dendrogram
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chinese_white_shrimp_aqua
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laver_aqua
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other_crustaceans_catch
other_fish_catch
large_yellow_croaker_catch
largehead_hairtail_catch
other_shellfish_aqua
swimming_crab_catch
scallop_aqua
other_crustacean_aqua
anchovy_catch
small_yellow_croaker_catch
japanese_spanish_mackerel_catch
barracuda_catch
other_fish_aqua
southern_rough_shrimp_catch
common_orient_clam_aqua
mussels_aqua
pacific_herring_catch
golden_threadfin_bream_catch
butterfish_catch
chub_mackerel_catch
round_scad_catch
giant_mud_crab_catch
cuttlefish_catch
atrina_aqua
jellyfish_catch
seabream_catch
razor_clam_aqua
slender_shad_catch
ark_clam_aqua
grouper_catch
laminaria_aqua
Hebei
Laminaria (kelp) (0.025)
Grouper (0.005)
Ark clam (3.5)
Slender shad (3.8)
Razor clam (0.04)
Seabream (0.06)
Jellyfish (8.2)
Common orient clam (5.6)
Cuttlefish (1.1)
Giant mud crab (0.42)
Round scad (0.021)
Chub mackerel (0.77)
Butterfish (0.31)
Golden threadfin bream (1.6)
Pacific herring (0.037)
Mussels (0.95)
Scallop (8.1)
Souther rough shrimp (0.4)
Other fish (2)
Barracuda (1.9)
Japanese spanish mackerel (1.8)
Small yellow croaker (1.1)
Anchovy (5.7)
Other crustaceans (2.1)
Atrina (39)
Swimming crab (1.4)
Other shellfish (5.5)
Largehead hairtail (1.4)
Large yellow croaker (0.5)
Other fish (12)
Other crustaceans (5.4)
Other algae (0)
Laver (algae) (0)
Black scraper (0.58)
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Chinese white shrimp (0.67)
Northern mauxia shrimp (3)
Eel (0.0069)
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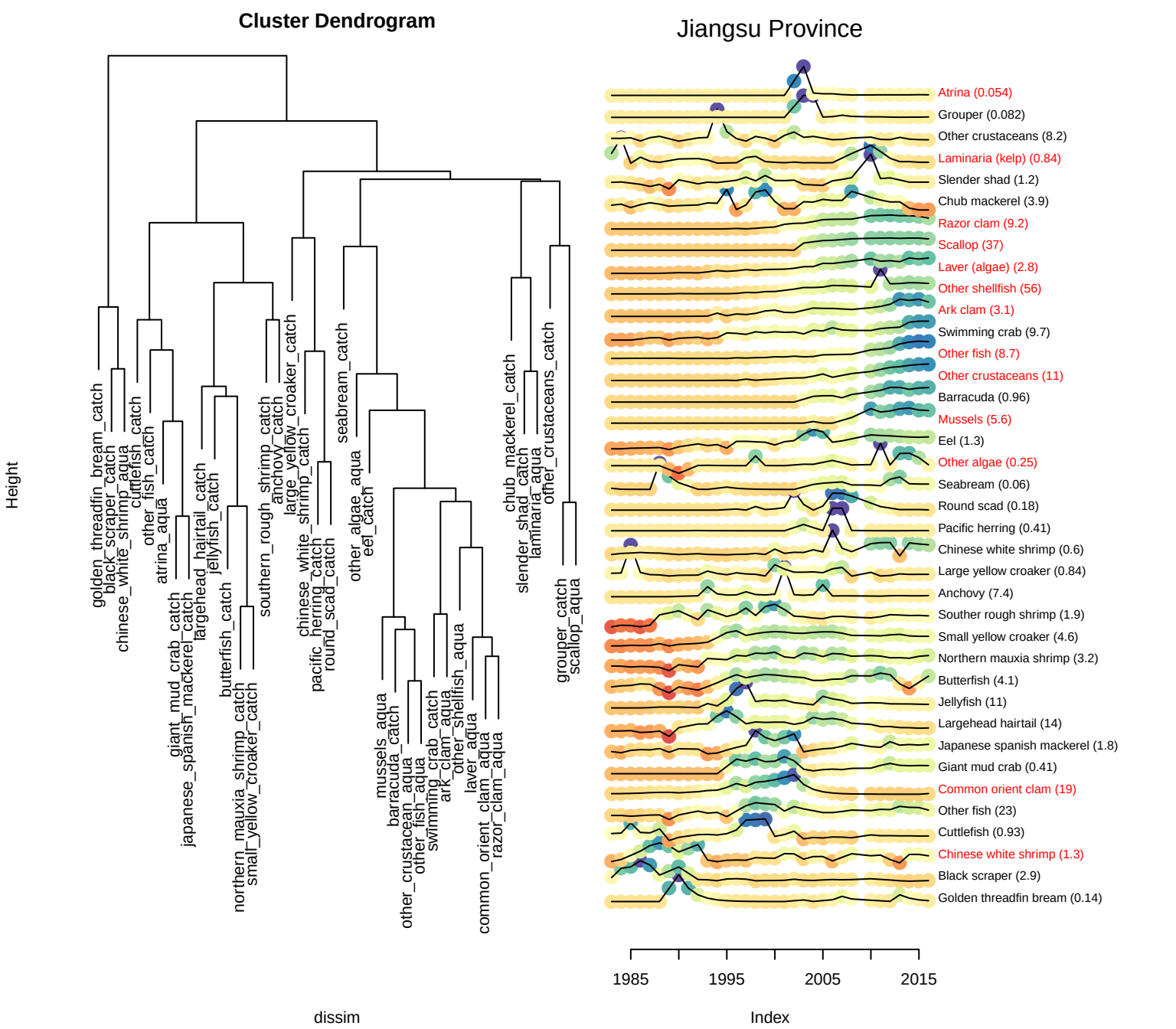
Cluster Dendrogram
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cuttlefish_catch
other_fish_catch
atrina_aqua
giant_mud_crab_catch
japanese_spanish_mackerel_catch
largehead_hairtail_catch
jellyfish_catch
butterfish_catch
northern_mauxia_shrimp_catch
small_yellow_croaker_catch
southern_rough_shrimp_catch
anchovy_catch
large_yellow_croaker_catch
chinese_white_shrimp_catch
pacific_herring_catch
round_scad_catch
seabream_catch
other_algae_aqua
eel_catch
mussels_aqua
barracuda_catch
other_crustacean_aqua
other_fish_aqua
swimming_crab_catch
ark_clam_aqua
other_shellfish_aqua
laver_aqua
common_orient_clam_aqua
razor_clam_aqua
chub_mackerel_catch
slender_shad_catch
laminaria_aqua
other_crustaceans_catch
grouper_catch
scallop_aqua
Jiangsu Province
Atrina (0.054)
Grouper (0.082)
Other crustaceans (8.2)
Laminaria (kelp) (0.84)
Slender shad (1.2)
Chub mackerel (3.9)
Razor clam (9.2)
Scallop (37)
Laver (algae) (2.8)
Other shellfish (56)
Ark clam (3.1)
Swimming crab (9.7)
Other fish (8.7)
Other crustaceans (11)
Barracuda (0.96)
Mussels (5.6)
Eel (1.3)
Other algae (0.25)
Seabream (0.06)
Round scad (0.18)
Pacific herring (0.41)
Chinese white shrimp (0.6)
Large yellow croaker (0.84)
Anchovy (7.4)
Souther rough shrimp (1.9)
Small yellow croaker (4.6)
Northern mauxia shrimp (3.2)
Butterfish (4.1)
Jellyfish (11)
Largehead hairtail (14)
Japanese spanish mackerel (1.8)
Giant mud crab (0.41)
Common orient clam (19)
Other fish (23)
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Chinese white shrimp (1.3)
Black scraper (2.9)
Golden threadfin bream (0.14)
1985
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2005
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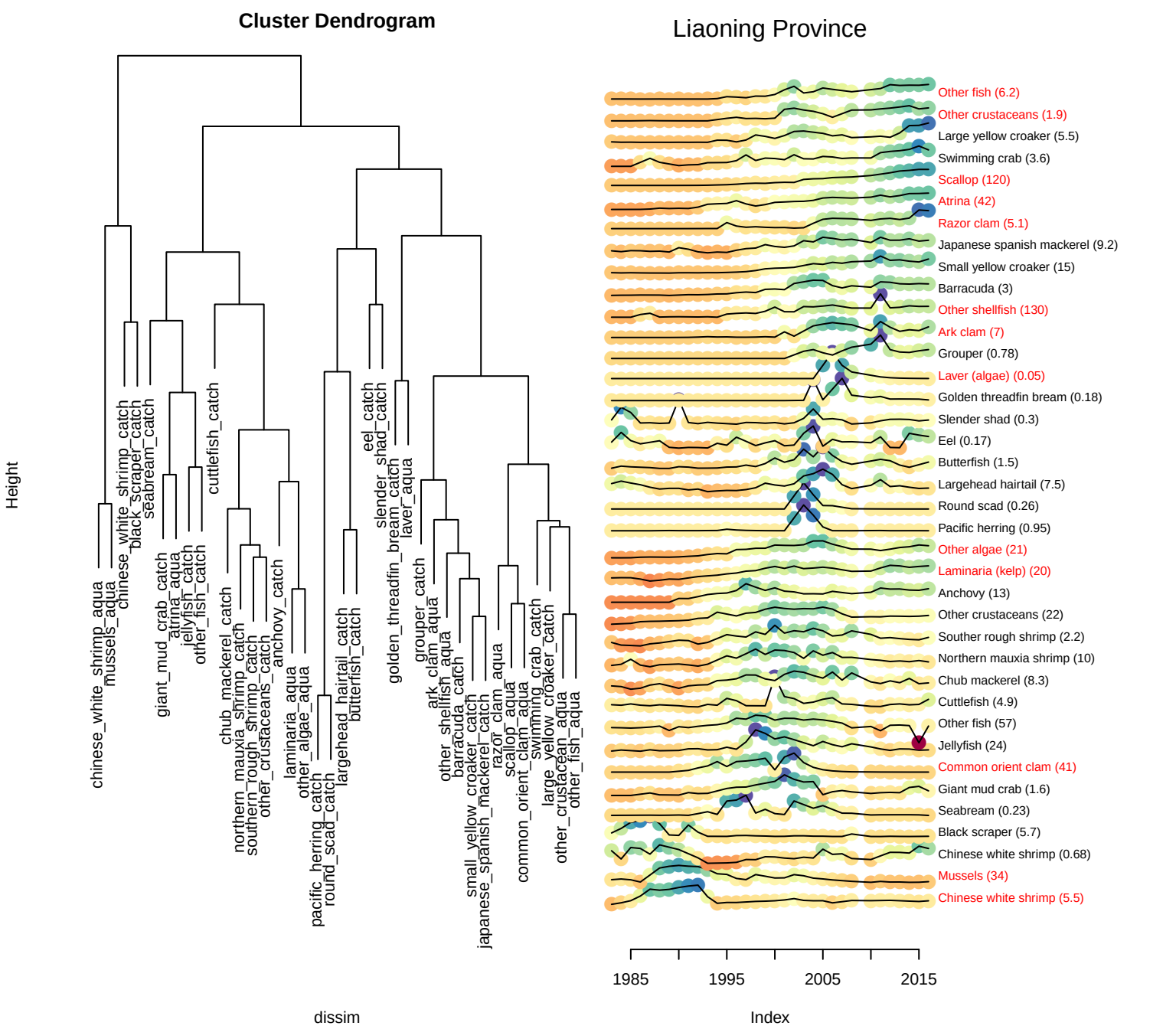
Cluster Dendrogram
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black_scraper_catch
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atrina_aqua
jellyfish_catch
other_fish_catch
cuttlefish_catch
chub_mackerel_catch
northern_mauxia_shrimp_catch
southern_rough_shrimp_catch
other_crustaceans_catch
anchovy_catch
laminaria_aqua
other_algae_aqua
pacific_herring_catch
round_scad_catch
largehead_hairtail_catch
butterfish_catch
eel_catch
slender_shad_catch
golden_threadfin_bream_catch
laver_aqua
grouper_catch
ark_clam_aqua
other_shellfish_aqua
barracuda_catch
small_yellow_croaker_catch
japanese_spanish_mackerel_catch
razor_clam_aqua
scallop_aqua
common_orient_clam_aqua
swimming_crab_catch
large_yellow_croaker_catch
other_crustacean_aqua
other_fish_aqua
Liaoning Province
Other fish (6.2)
Other crustaceans (1.9)
Large yellow croaker (5.5)
Swimming crab (3.6)
Scallop (120)
Atrina (42)
Razor clam (5.1)
Japanese spanish mackerel (9.2)
Small yellow croaker (15)
Barracuda (3)
Other shellfish (130)
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Grouper (0.78)
Laver (algae) (0.05)
Golden threadfin bream (0.18)
Slender shad (0.3)
Eel (0.17)
Butterfish (1.5)
Largehead hairtail (7.5)
Round scad (0.26)
Pacific herring (0.95)
Other algae (21)
Laminaria (kelp) (20)
Anchovy (13)
Other crustaceans (22)
Souther rough shrimp (2.2)
Northern mauxia shrimp (10)
Chub mackerel (8.3)
Cuttlefish (4.9)
Other fish (57)
Jellyfish (24)
Common orient clam (41)
Giant mud crab (1.6)
Seabream (0.23)
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Mussels (34)
Chinese white shrimp (5.5)
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2005
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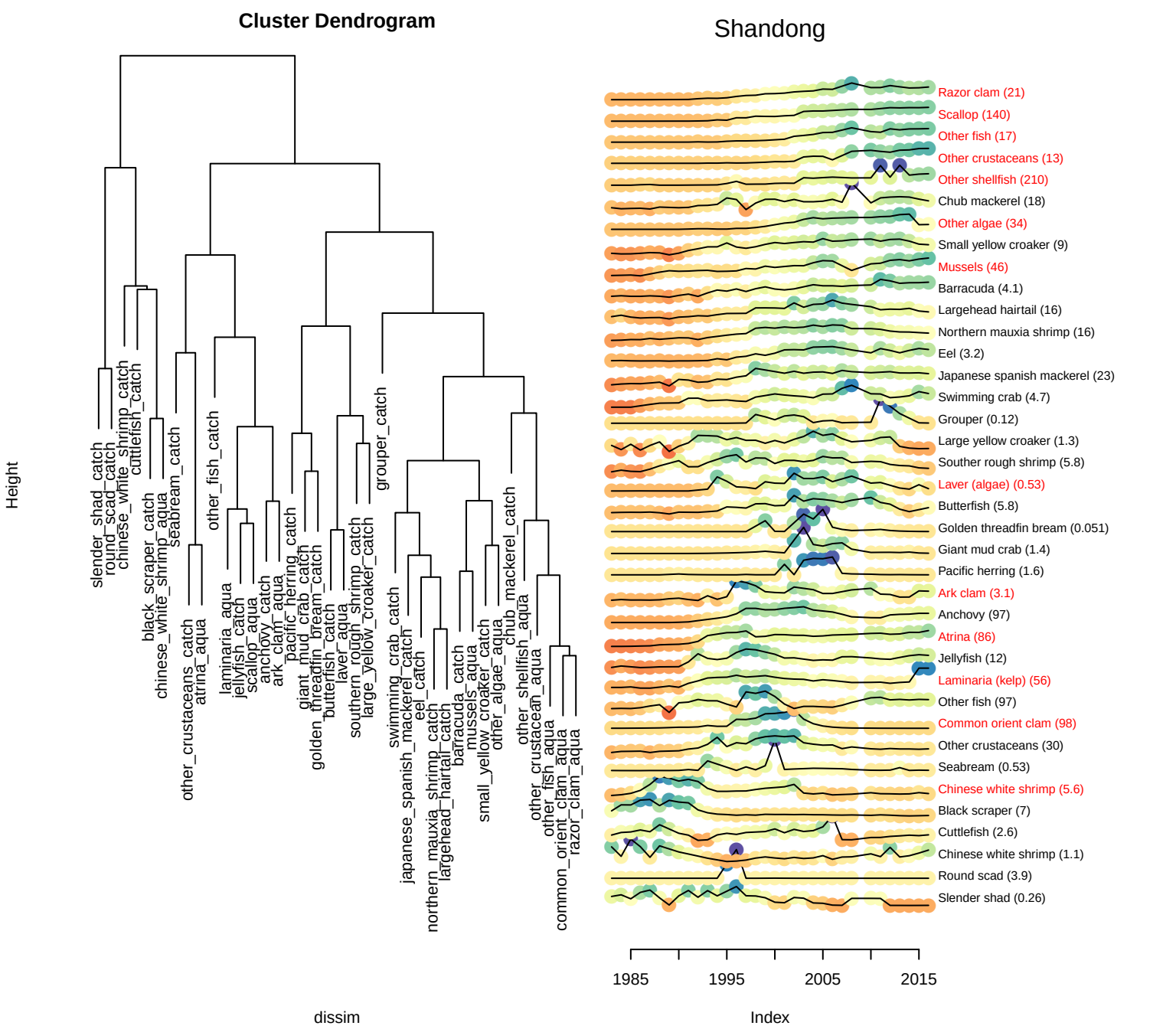
Cluster Dendrogram
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seabream_catch
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atrina_aqua
other_fish_catch
laminaria_aqua
jellyfish_catch
scallop_aqua
anchovy_catch
ark_clam_aqua
pacific_herring_catch
giant_mud_crab_catch
golden_threadfin_bream_catch
butterfish_catch
laver_aqua
southern_rough_shrimp_catch
large_yellow_croaker_catch
grouper_catch
swimming_crab_catch
japanese_spanish_mackerel_catch
eel_catch
northern_mauxia_shrimp_catch
largehead_hairtail_catch
barracuda_catch
mussels_aqua
small_yellow_croaker_catch
other_algae_aqua
chub_mackerel_catch
other_shellfish_aqua
other_crustacean_aqua
other_fish_aqua
common_orient_clam_aqua
razor_clam_aqua
Shandong
Razor clam (21)
Scallop (140)
Other fish (17)
Other crustaceans (13)
Other shellfish (210)
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Other algae (34)
Small yellow croaker (9)
Mussels (46)
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Largehead hairtail (16)
Northern mauxia shrimp (16)
Eel (3.2)
Japanese spanish mackerel (23)
Swimming crab (4.7)
Grouper (0.12)
Large yellow croaker (1.3)
Souther rough shrimp (5.8)
Laver (algae) (0.53)
Butterfish (5.8)
Golden threadfin bream (0.051)
Giant mud crab (1.4)
Pacific herring (1.6)
Ark clam (3.1)
Anchovy (97)
Atrina (86)
Jellyfish (12)
Laminaria (kelp) (56)
Other fish (97)
Common orient clam (98)
Other crustaceans (30)
Seabream (0.53)
Chinese white shrimp (5.6)
Black scraper (7)
Cuttlefish (2.6)
Chinese white shrimp (1.1)
Round scad (3.9)
Slender shad (0.26)
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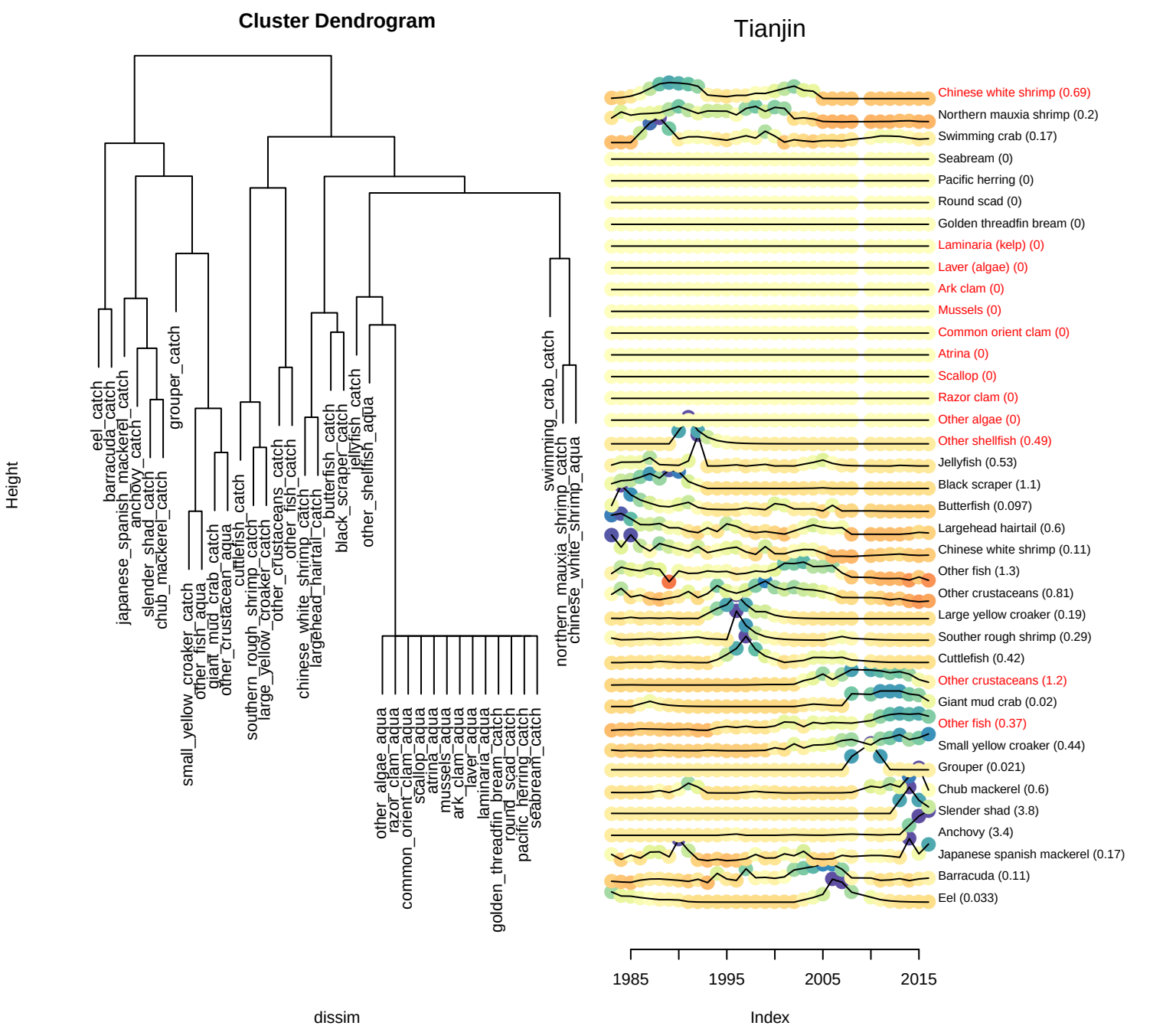
Cluster Dendrogram
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slender_shad_catch
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giant_mud_crab_catch
other_crustacean_aqua
cuttlefish_catch
southern_rough_shrimp_catch
large_yellow_croaker_catch
other_crustaceans_catch
other_fish_catch
chinese_white_shrimp_catch
largehead_hairtail_catch
butterfish_catch
black_scraper_catch
jellyfish_catch
other_shellfish_aqua
swimming_crab_catch
northern_mauxia_shrimp_catch
chinese_white_shrimp_aqua
other_algae_aqua
razor_clam_aqua
common_orient_clam_aqua
scallop_aqua
atrina_aqua
mussels_aqua
ark_clam_aqua
laver_aqua
laminaria_aqua
golden_threadfin_bream_catch
round_scad_catch
pacific_herring_catch
seabream_catch
Tianjin
Chinese white shrimp (0.69)
Northern mauxia shrimp (0.2)
Swimming crab (0.17)
Seabream (0)
Pacific herring (0)
Round scad (0)
Golden threadfin bream (0)
Laminaria (kelp) (0)
Laver (algae) (0)
Ark clam (0)
Mussels (0)
Common orient clam (0)
Atrina (0)
Scallop (0)
Razor clam (0)
Other algae (0)
Other shellfish (0.49)
Jellyfish (0.53)
Black scraper (1.1)
Butterfish (0.097)
Largehead hairtail (0.6)
Chinese white shrimp (0.11)
Other fish (1.3)
Other crustaceans (0.81)
Large yellow croaker (0.19)
Souther rough shrimp (0.29)
Cuttlefish (0.42)
Other crustaceans (1.2)
Giant mud crab (0.02)
Other fish (0.37)
Small yellow croaker (0.44)
Grouper (0.021)
Chub mackerel (0.6)
Slender shad (3.8)
Anchovy (3.4)
Japanese spanish mackerel (0.17)
Barracuda (0.11)
Eel (0.033)
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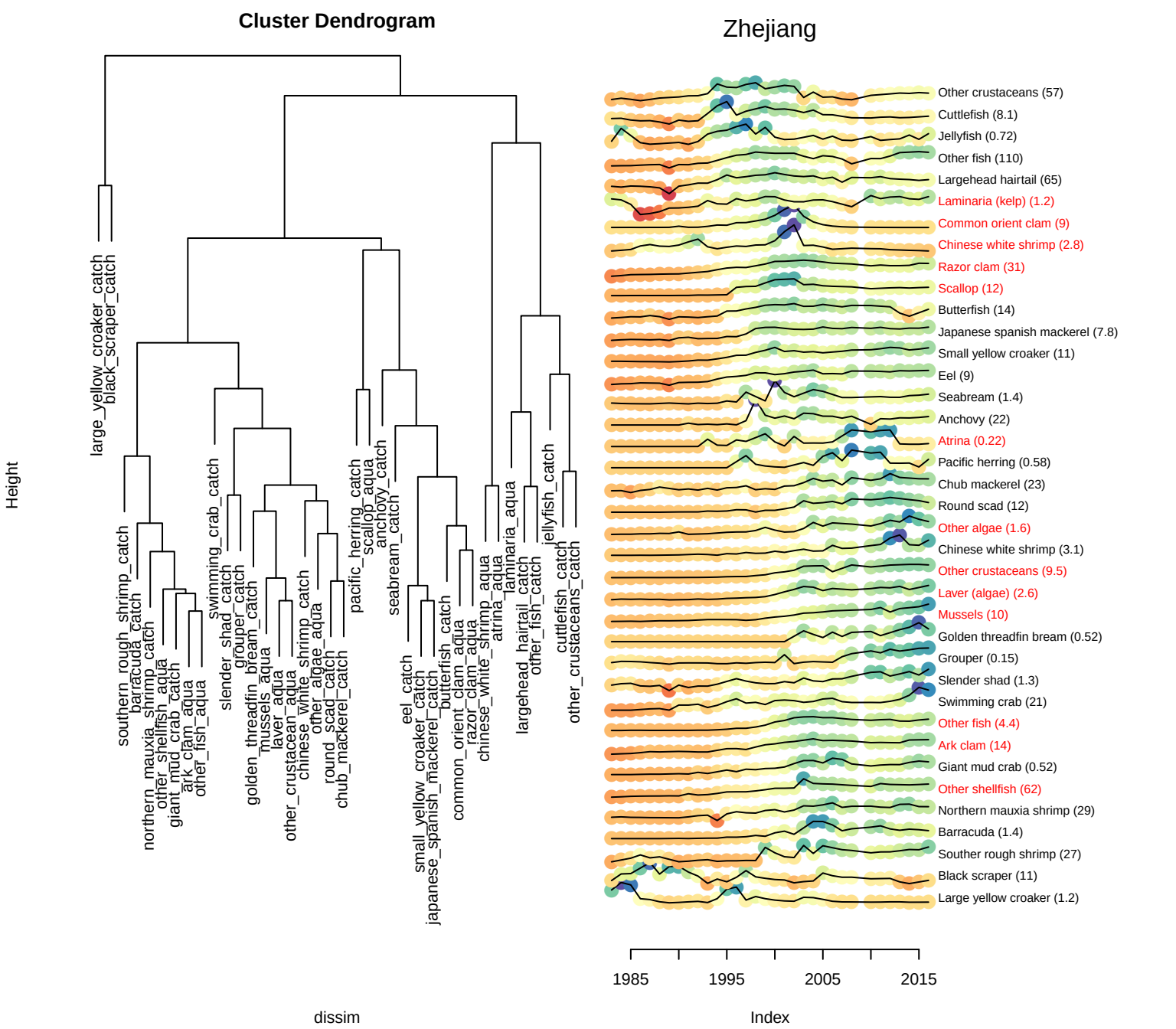
Cluster Dendrogram
Height
dissim
large_yellow_croaker_catch
black_scraper_catch
southern_rough_shrimp_catch
barracuda_catch
northern_mauxia_shrimp_catch
other_shellfish_aqua
giant_mud_crab_catch
ark_clam_aqua
other_fish_aqua
swimming_crab_catch
slender_shad_catch
grouper_catch
golden_threadfin_bream_catch
mussels_aqua
laver_aqua
other_crustacean_aqua
chinese_white_shrimp_catch
other_algae_aqua
round_scad_catch
chub_mackerel_catch
pacific_herring_catch
scallop_aqua
anchovy_catch
seabream_catch
eel_catch
small_yellow_croaker_catch
japanese_spanish_mackerel_catch
butterfish_catch
common_orient_clam_aqua
razor_clam_aqua
chinese_white_shrimp_aqua
atrina_aqua
laminaria_aqua
largehead_hairtail_catch
other_fish_catch
jellyfish_catch
cuttlefish_catch
other_crustaceans_catch
Zhejiang
Other crustaceans (57)
Cuttlefish (8.1)
Jellyfish (0.72)
Other fish (110)
Largehead hairtail (65)
Laminaria (kelp) (1.2)
Common orient clam (9)
Chinese white shrimp (2.8)
Razor clam (31)
Scallop (12)
Butterfish (14)
Japanese spanish mackerel (7.8)
Small yellow croaker (11)
Eel (9)
Seabream (1.4)
Anchovy (22)
Atrina (0.22)
Pacific herring (0.58)
Chub mackerel (23)
Round scad (12)
Other algae (1.6)
Chinese white shrimp (3.1)
Other crustaceans (9.5)
Laver (algae) (2.6)
Mussels (10)
Golden threadfin bream (0.52)
Grouper (0.15)
Slender shad (1.3)
Swimming crab (21)
Other fish (4.4)
Ark clam (14)
Giant mud crab (0.52)
Other shellfish (62)
Northern mauxia shrimp (29)
Barracuda (1.4)
Souther rough shrimp (27)
Black scraper (11)
Large yellow croaker (1.2)
1985
1995
2005
2015
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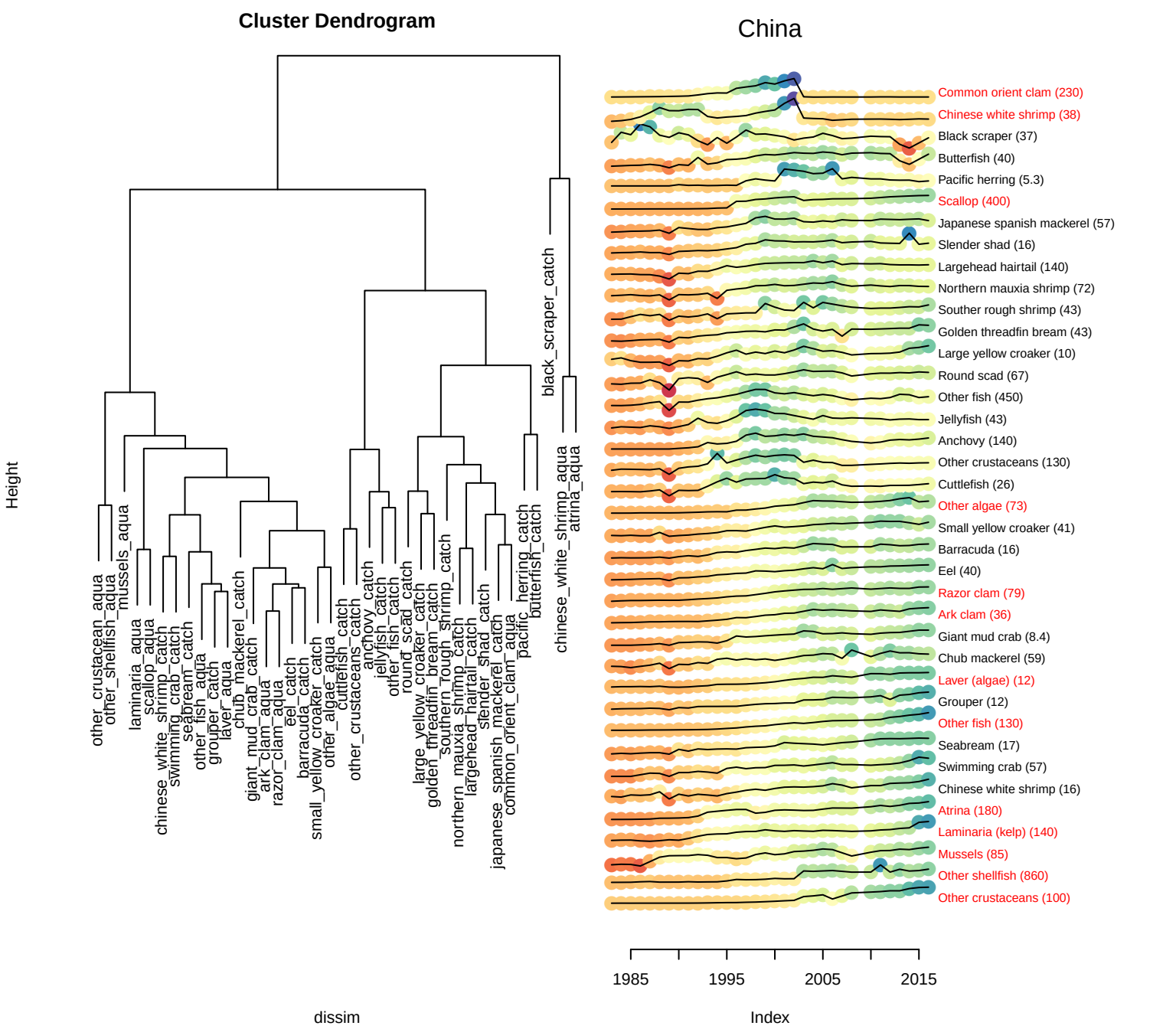
Cluster Dendrogram
Height
dissim
other_crustacean_aqua
other_shellfish_aqua
mussels_aqua
laminaria_aqua
scallop_aqua
chinese_white_shrimp_catch
swimming_crab_catch
seabream_catch
other_fish_aqua
grouper_catch
laver_aqua
chub_mackerel_catch
giant_mud_crab_catch
ark_clam_aqua
razor_clam_aqua
eel_catch
barracuda_catch
small_yellow_croaker_catch
other_algae_aqua
cuttlefish_catch
other_crustaceans_catch
anchovy_catch
jellyfish_catch
other_fish_catch
round_scad_catch
large_yellow_croaker_catch
golden_threadfin_bream_catch
southern_tough_shrimp_catch
northern_mauxia_shrimp_catch
largehead_hairtail_catch
slender_shad_catch
japanese_spanish_mackerel_catch
common_orient_clam_aqua
pacific_herring_catch
butterfish_catch
black_scraper_catch
chinese_white_shrimp_aqua
atrina_aqua
China
Common orient clam (230)
Chinese white shrimp (38)
Black scraper (37)
Butterfish (40)
Pacific herring (5.3)
Scallop (400)
Japanese spanish mackerel (57)
Slender shad (16)
Largehead hairtail (140)
Northern mauxia shrimp (72)
Souther rough shrimp (43)
Golden threadfin bream (43)
Large yellow croaker (10)
Round scad (67)
Other fish (450)
Jellyfish (43)
Anchovy (140)
Other crustaceans (130)
Cuttlefish (26)
Other algae (73)
Small yellow croaker (41)
Barracuda (16)
Eel (40)
Razor clam (79)
Ark clam (36)
Giant mud crab (8.4)
Chub mackerel (59)
Laver (algae) (12)
Grouper (12)
Other fish (130)
Seabream (17)
Swimming crab (57)
Chinese white shrimp (16)
Atrina (180)
Laminaria (kelp) (140)
Mussels (85)
Other shellfish (860)
Other crustaceans (100)
1985
1995
2005
2015
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