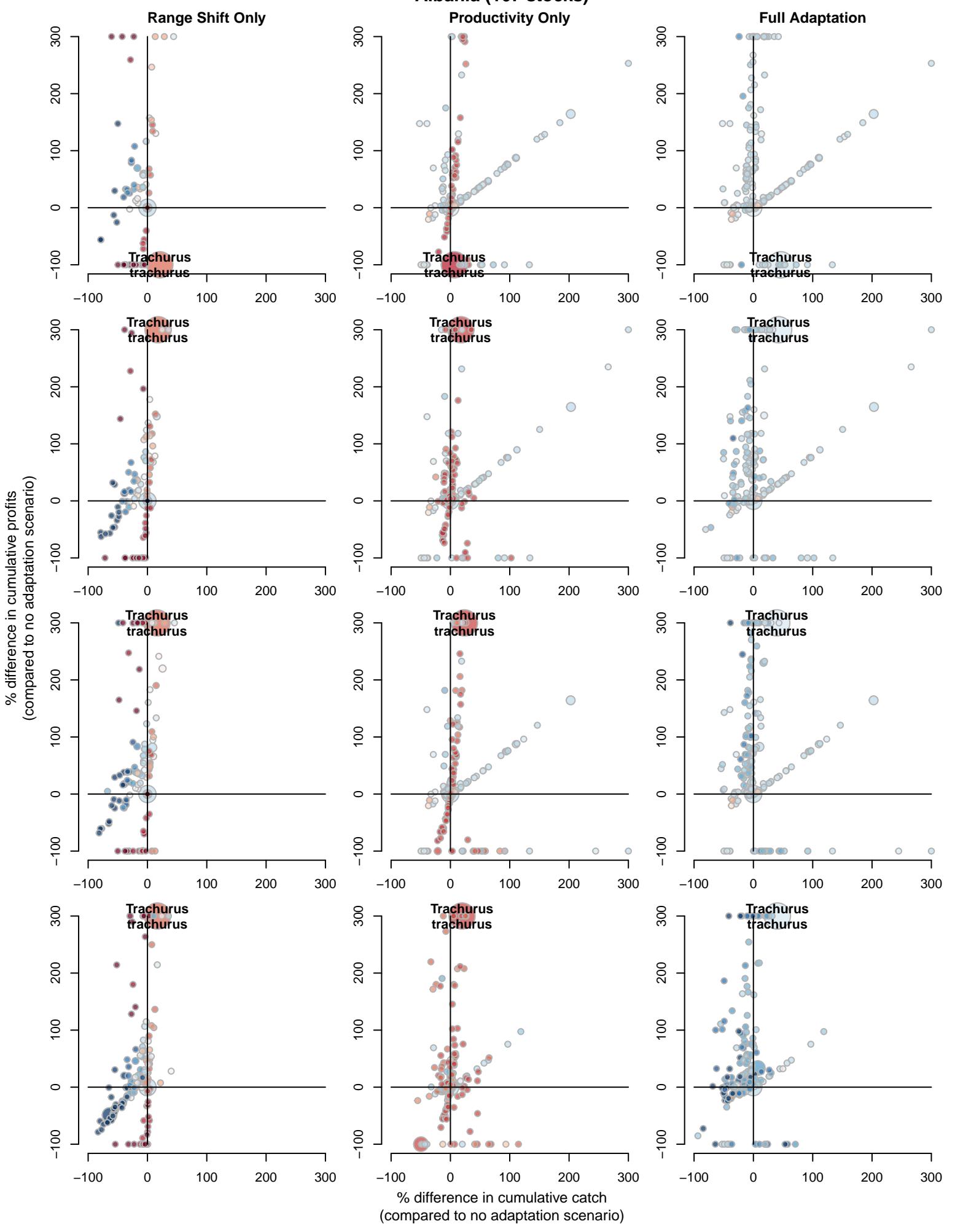
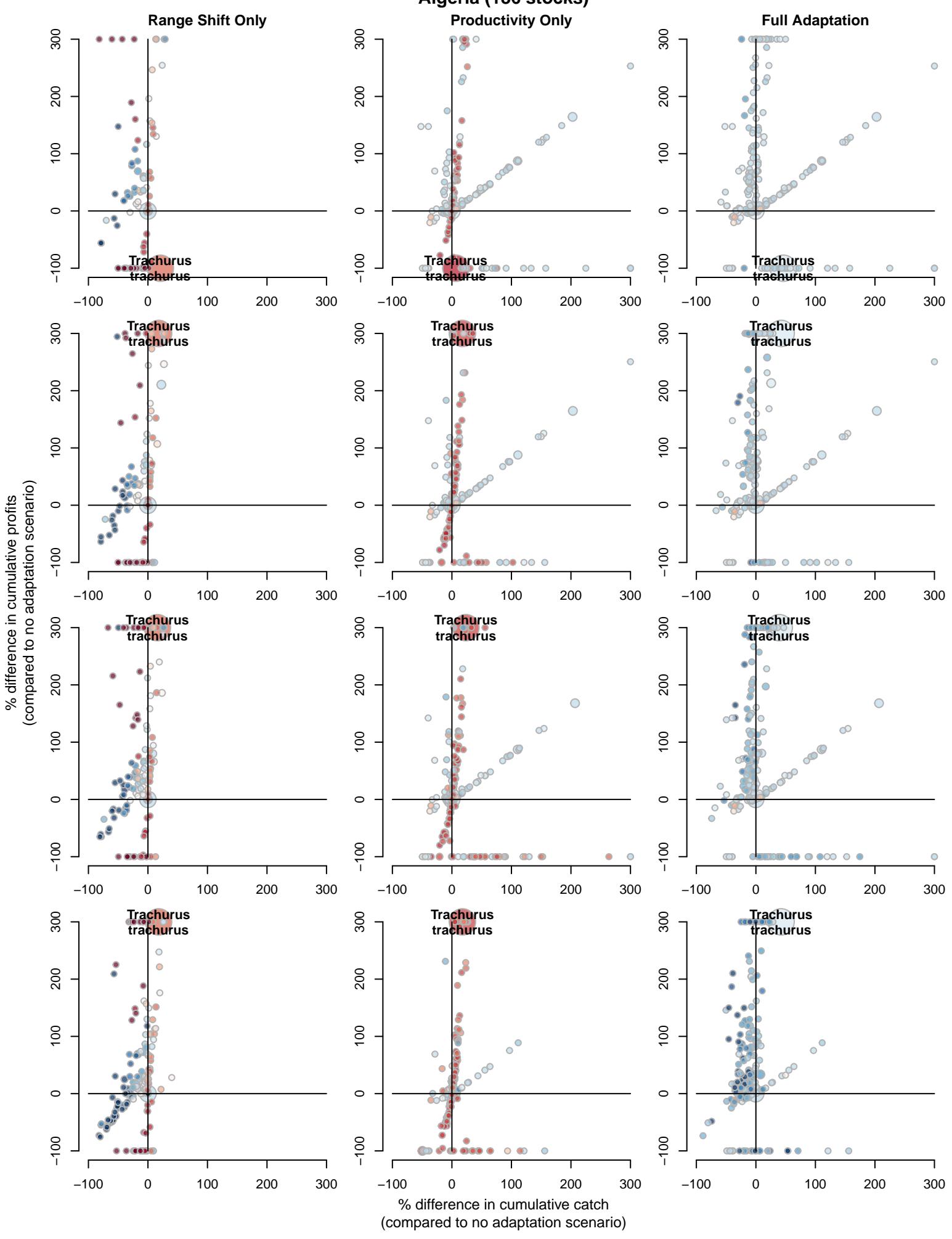


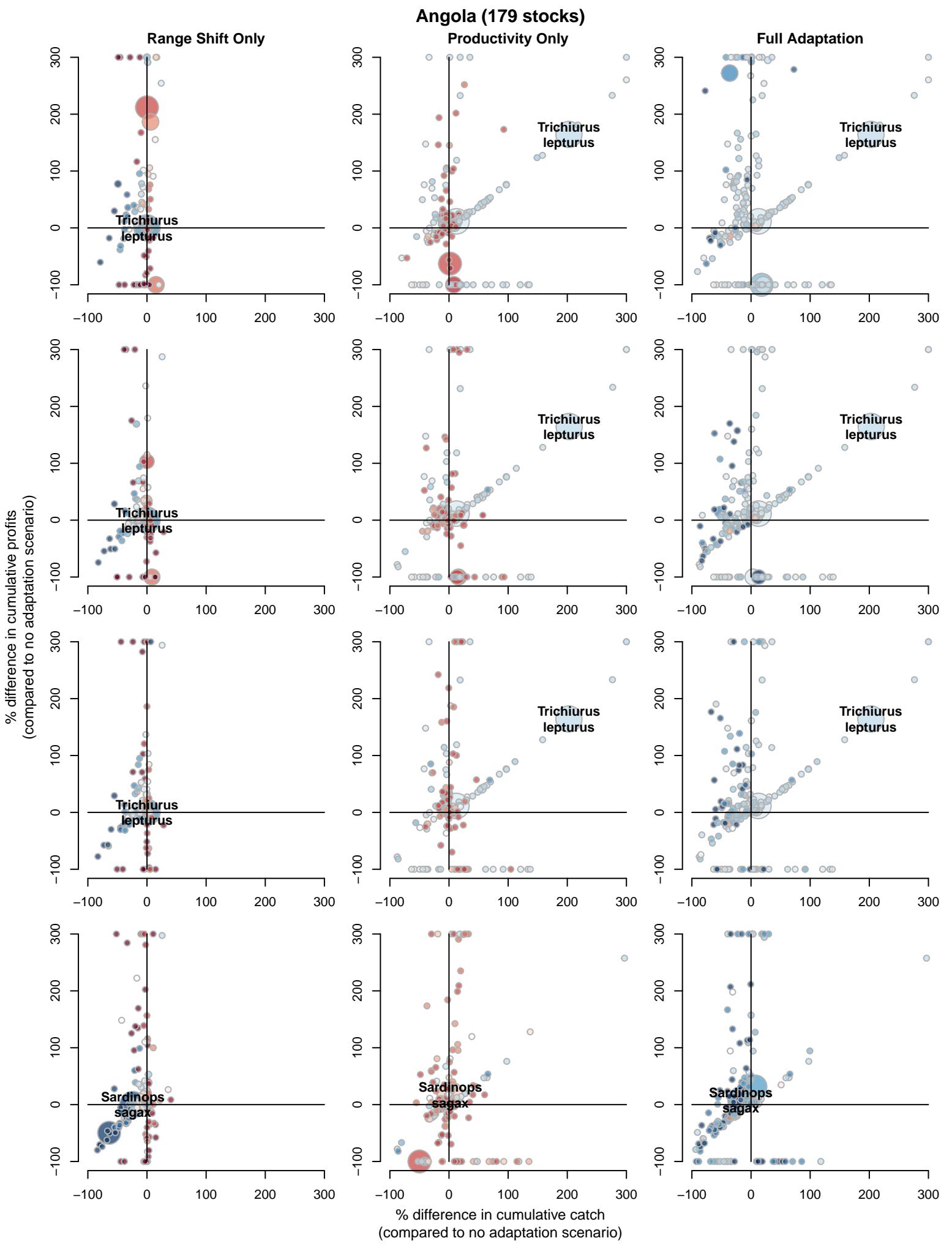
Albania (167 stocks)



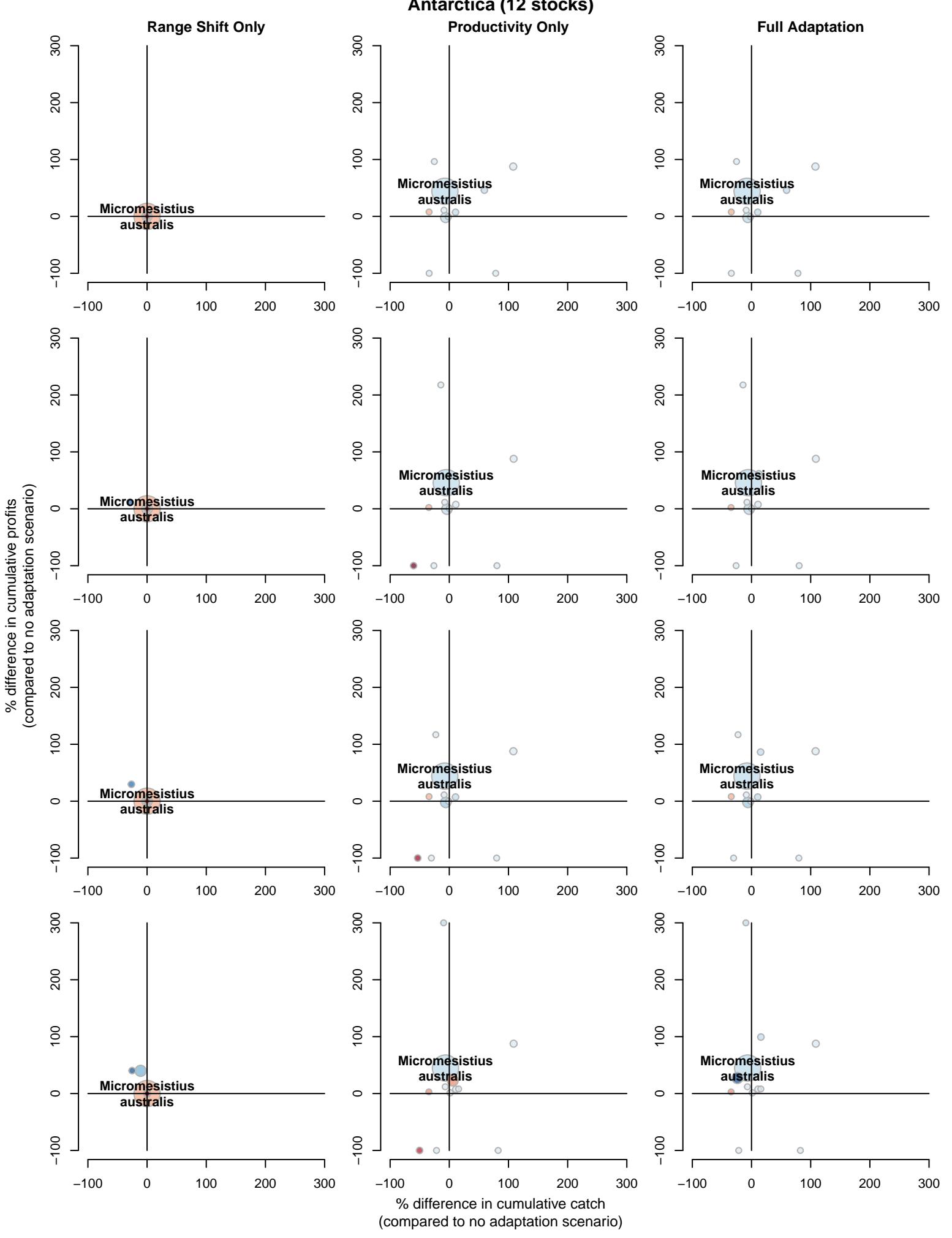
Algeria (186 stocks)



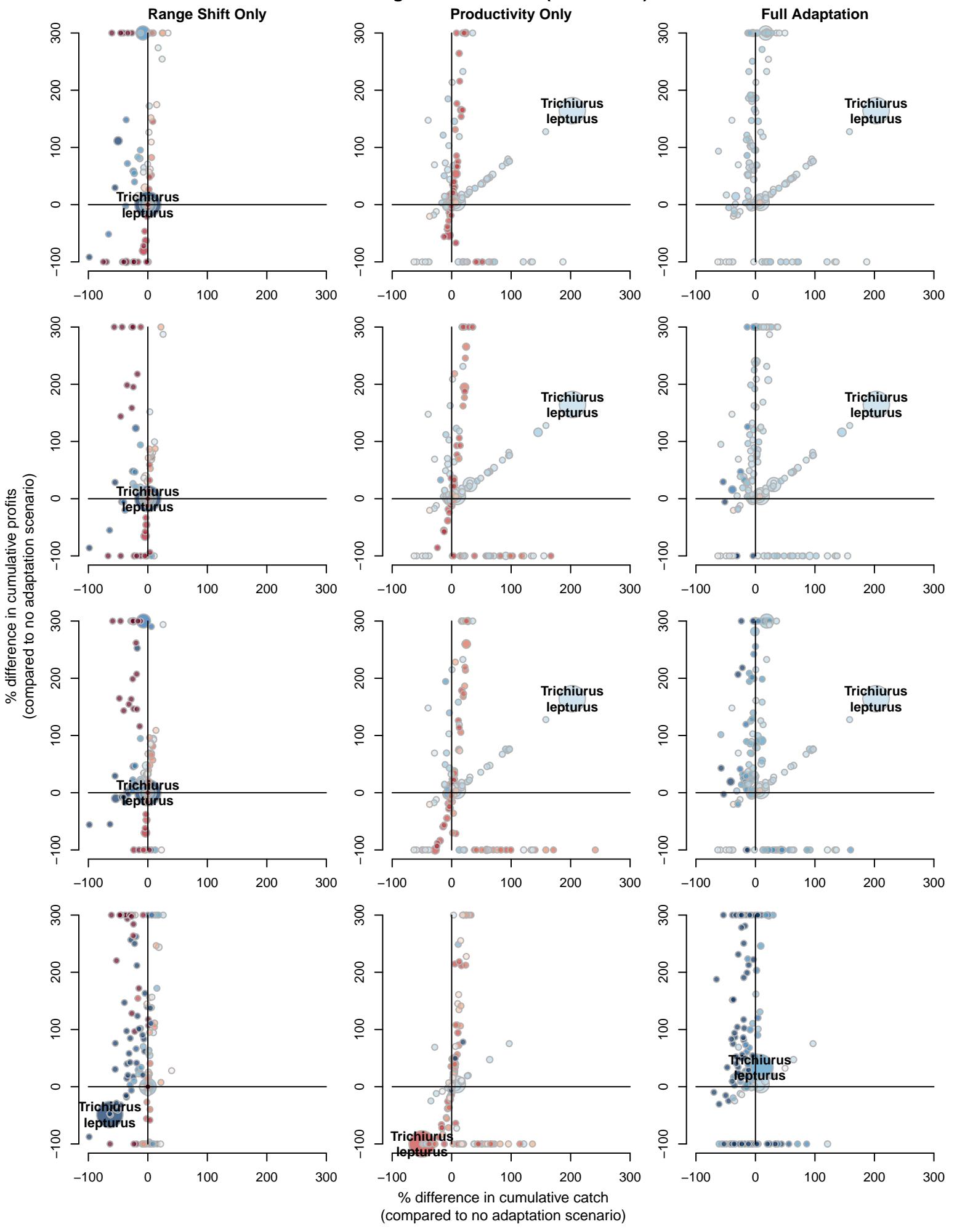
Angola (179 stocks)



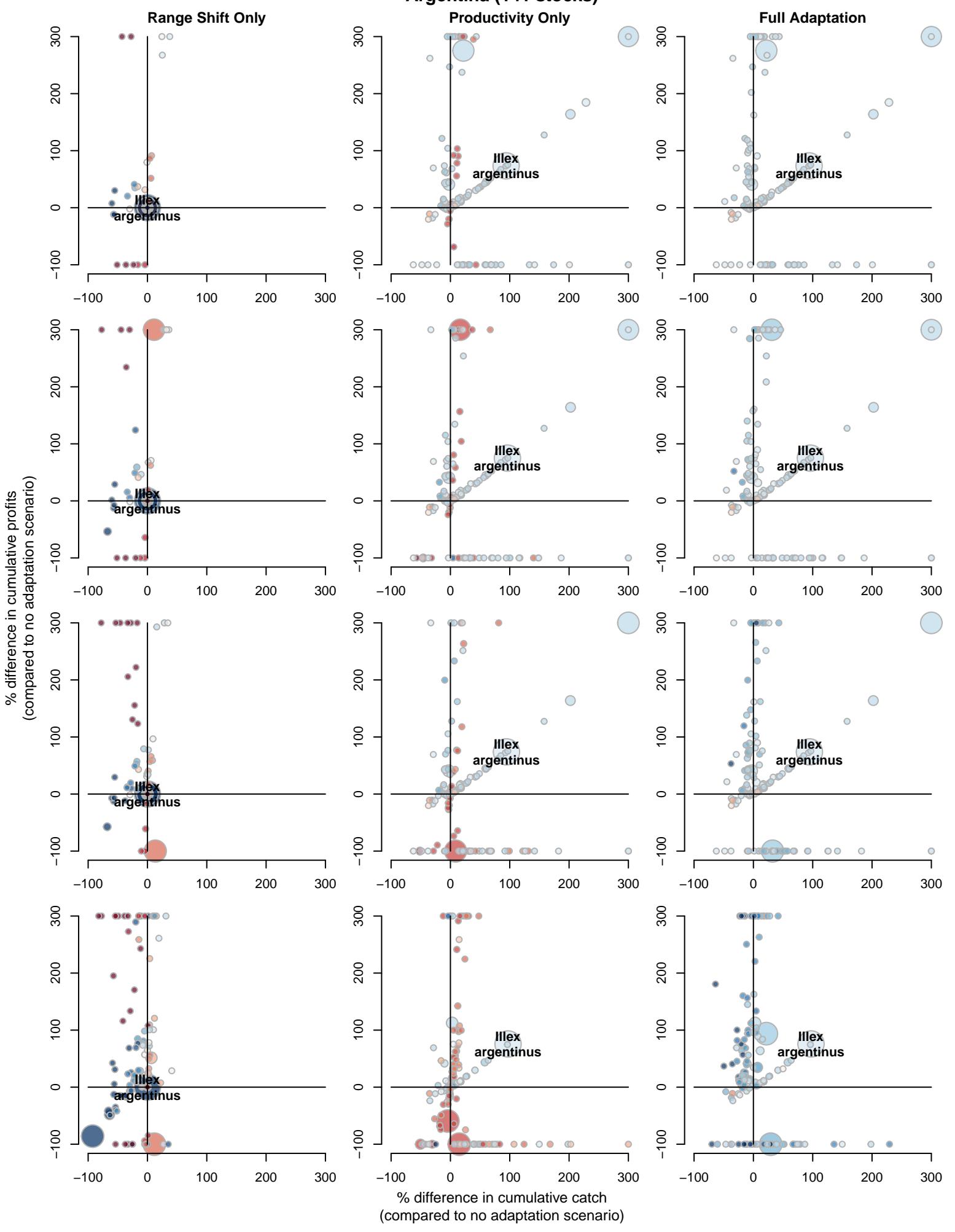
Antarctica (12 stocks)



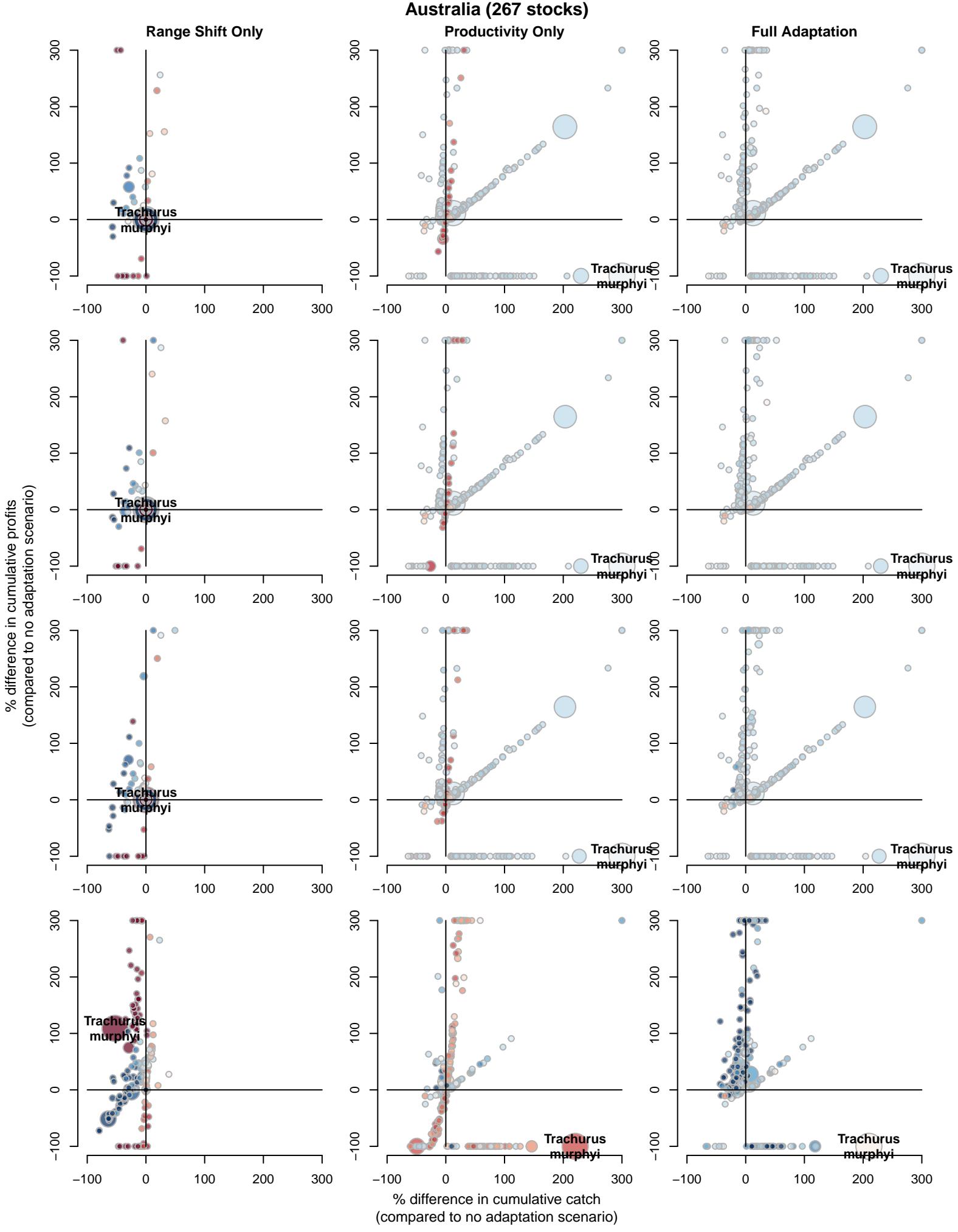
Antigua and Barbuda (147 stocks)



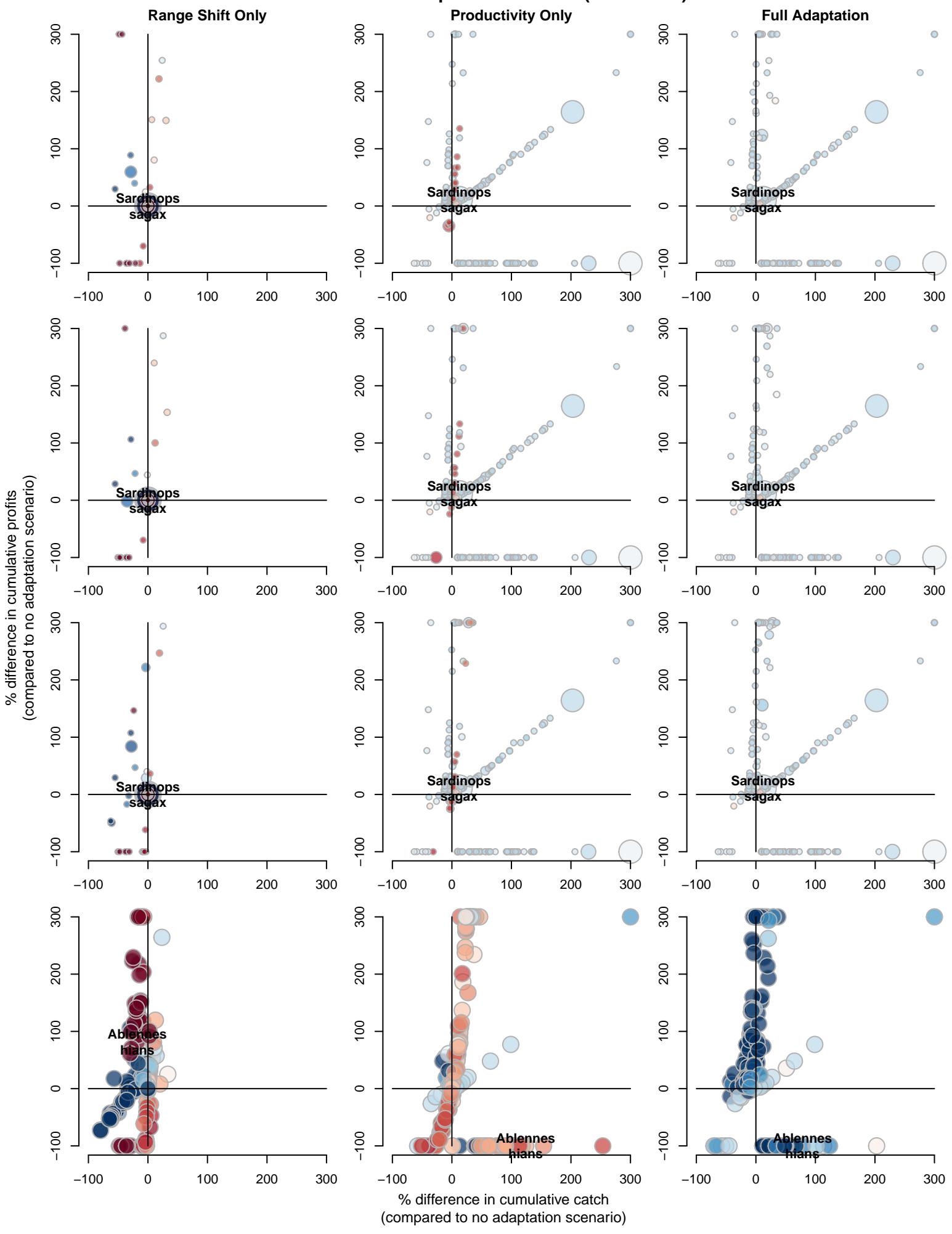
Argentina (141 stocks)



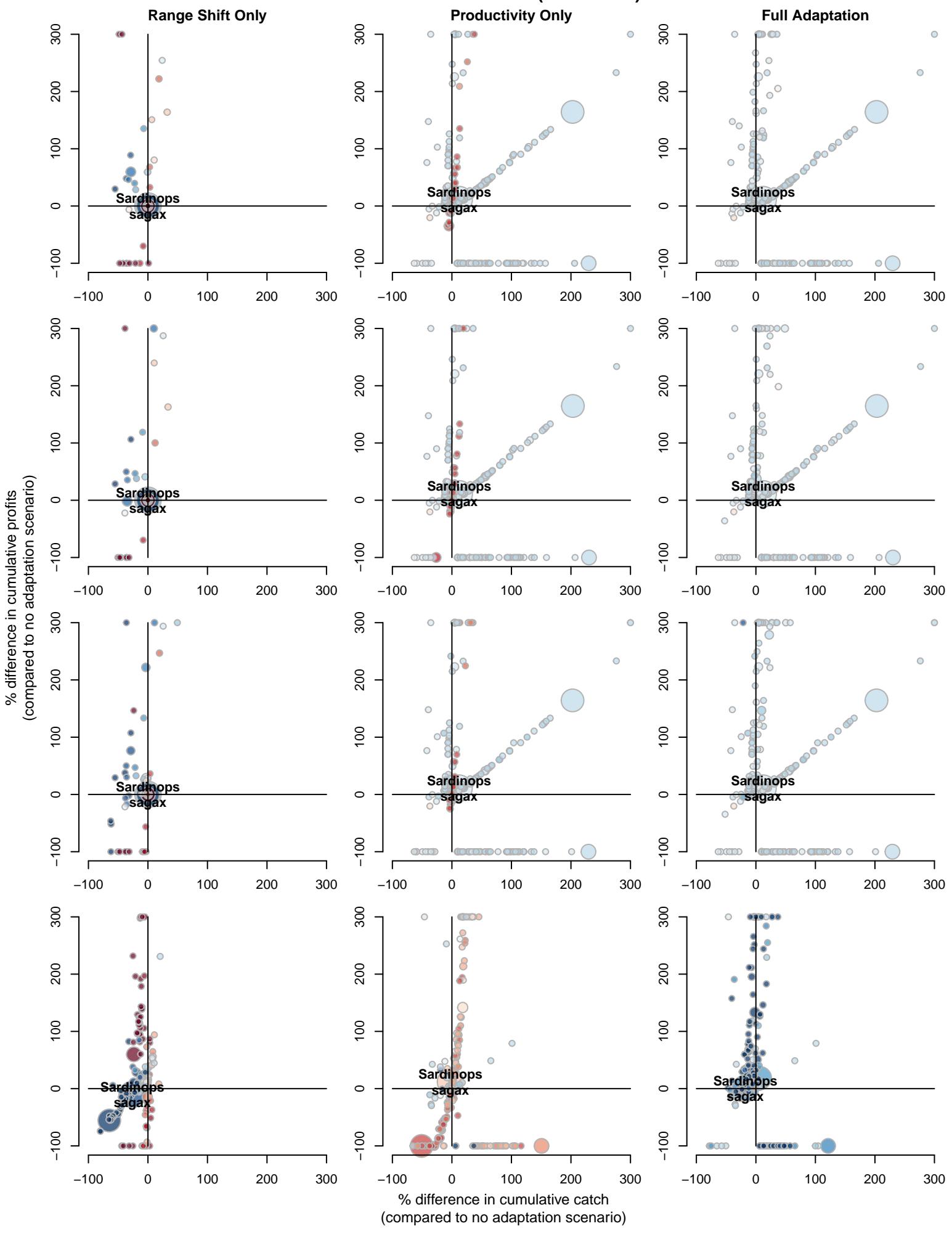
Australia (267 stocks)



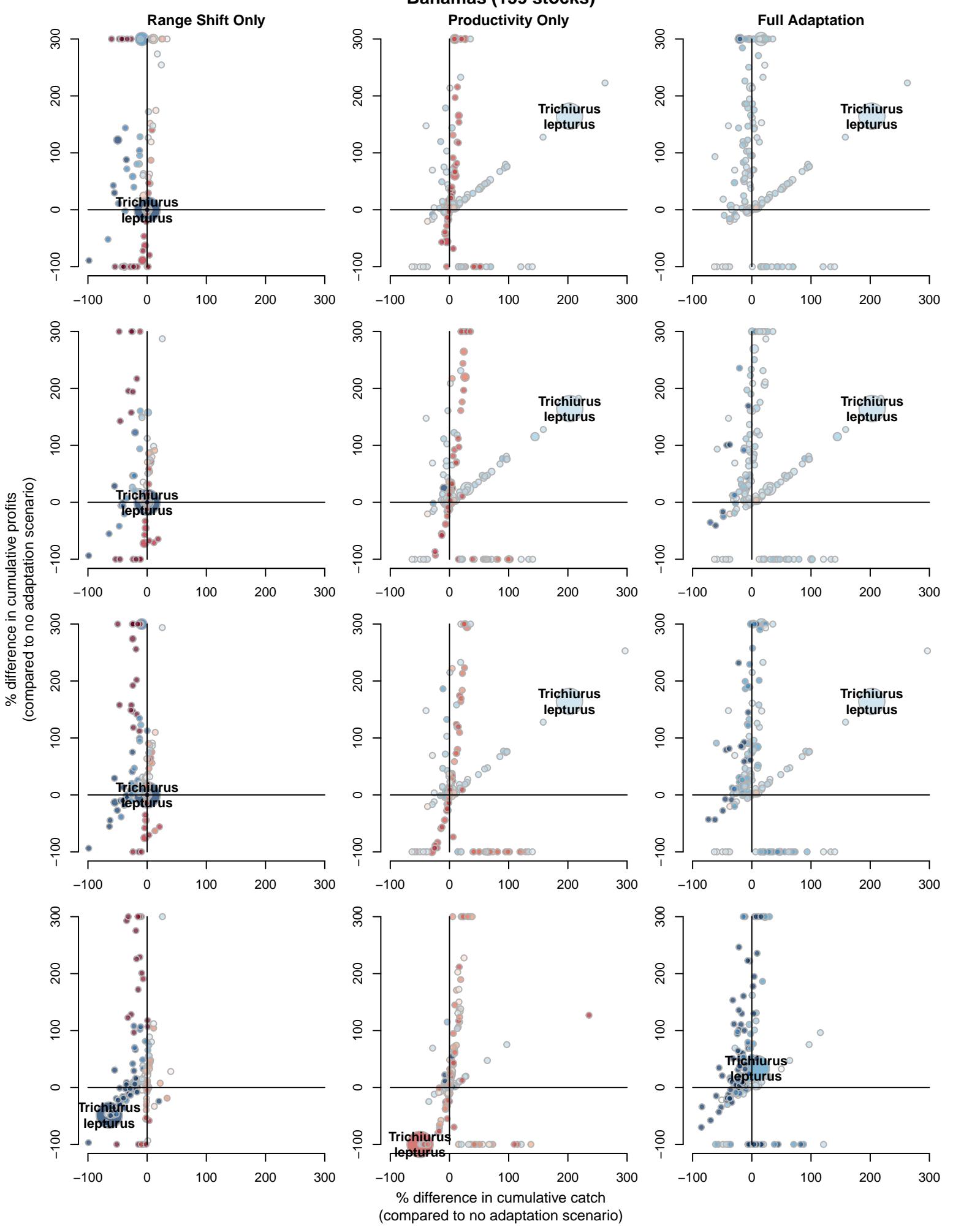
Australia – Papua New Guinea (182 stocks)



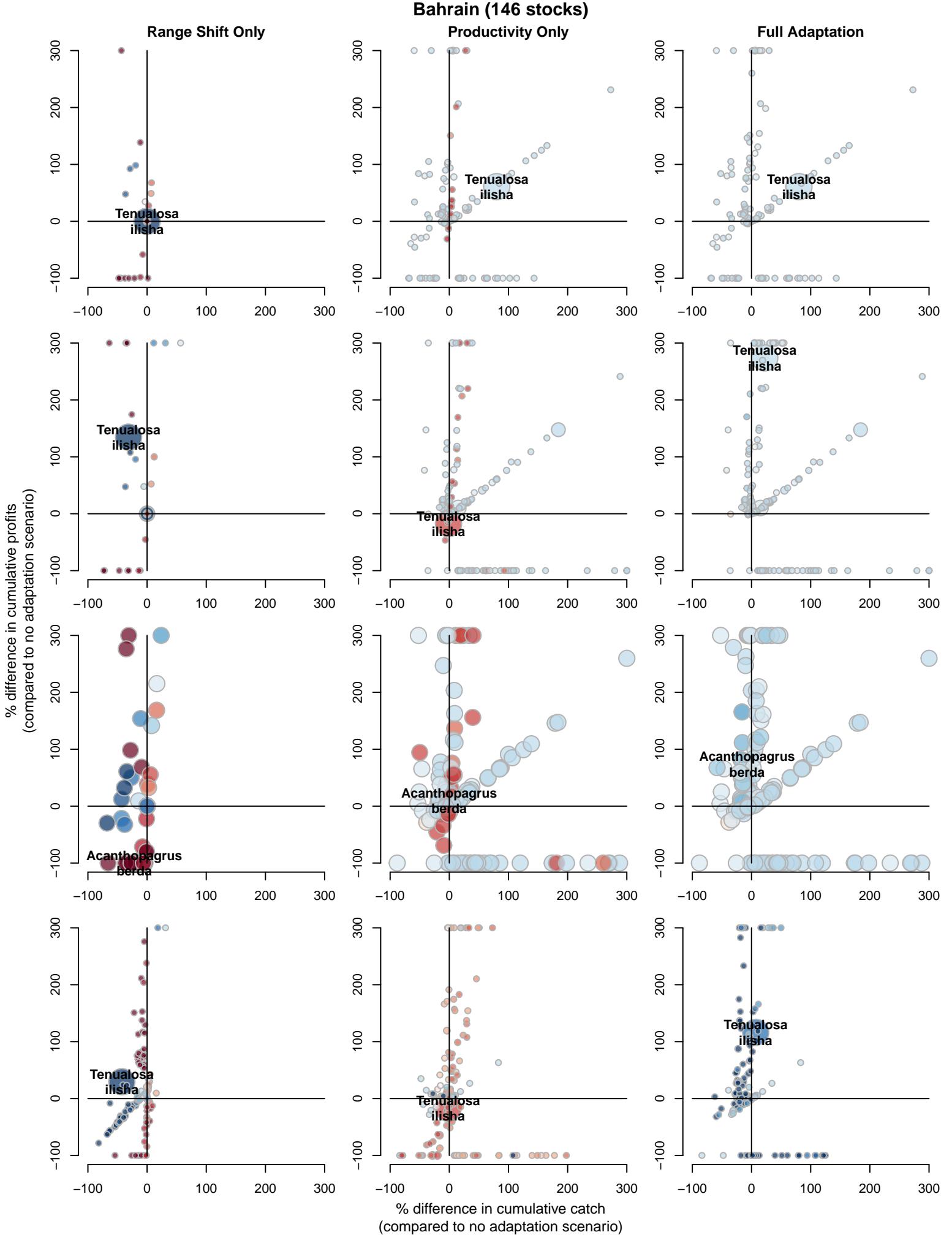
Australia/Indonesia (213 stocks)



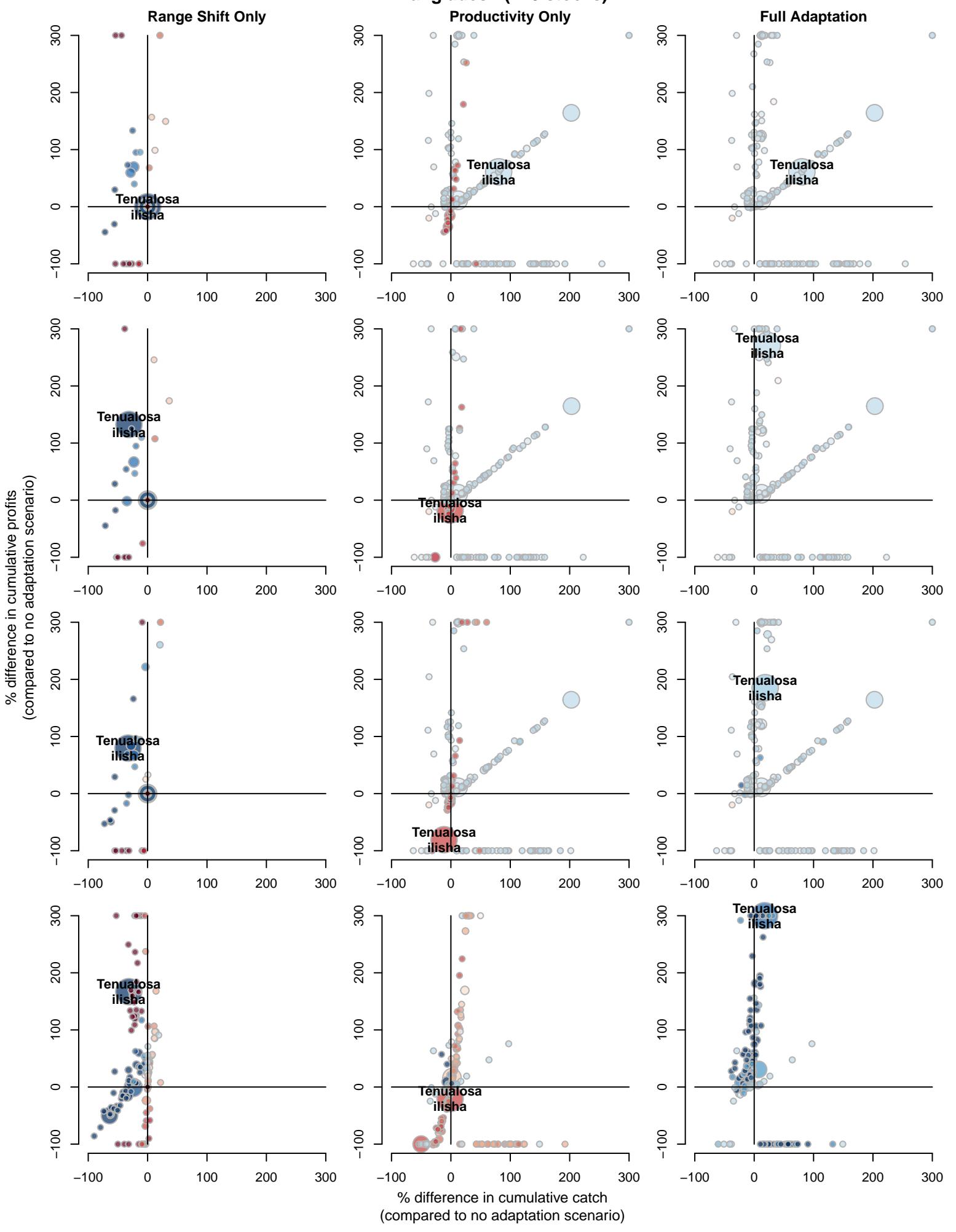
Bahamas (159 stocks)



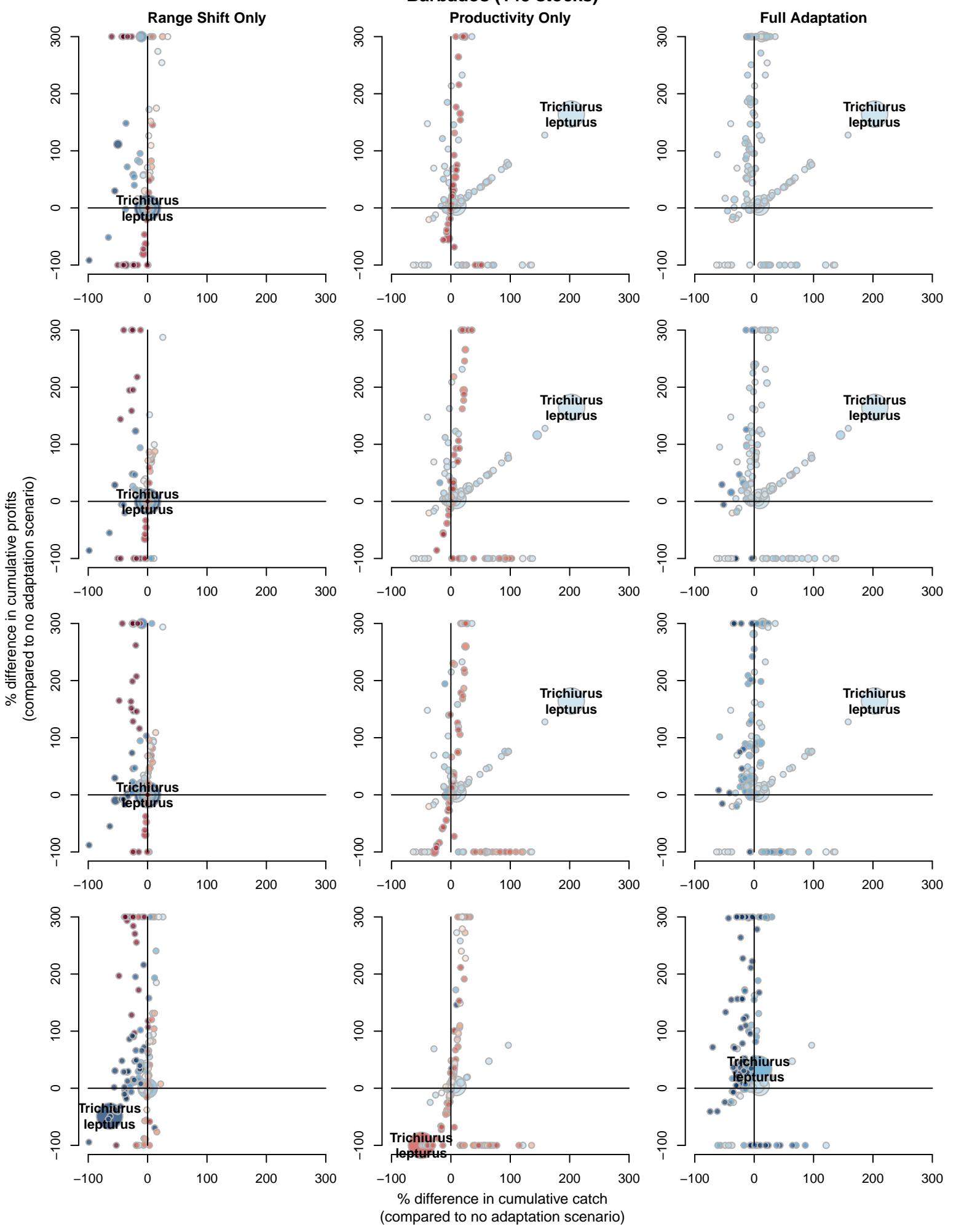
Bahrain (146 stocks)



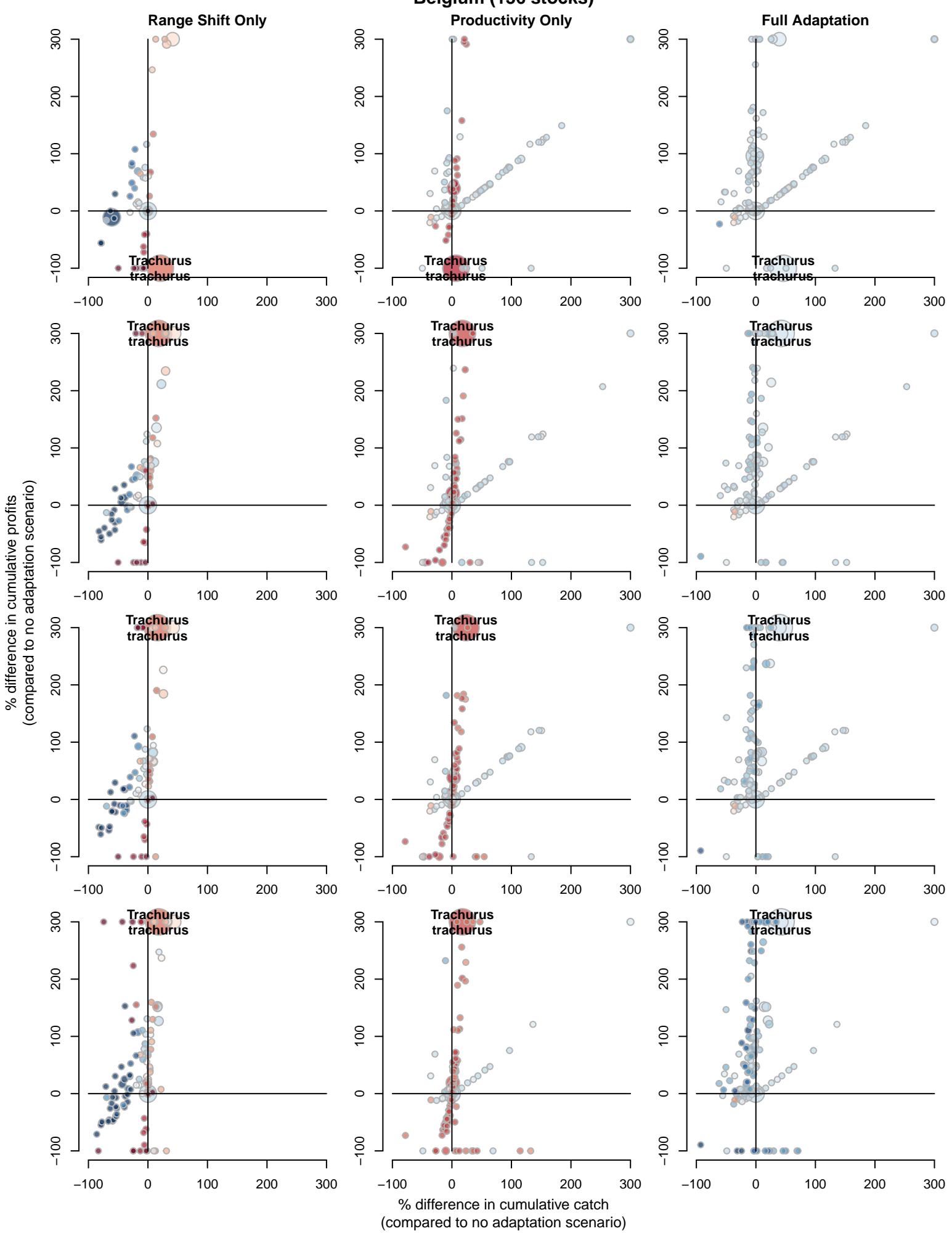
Bangladesh (170 stocks)



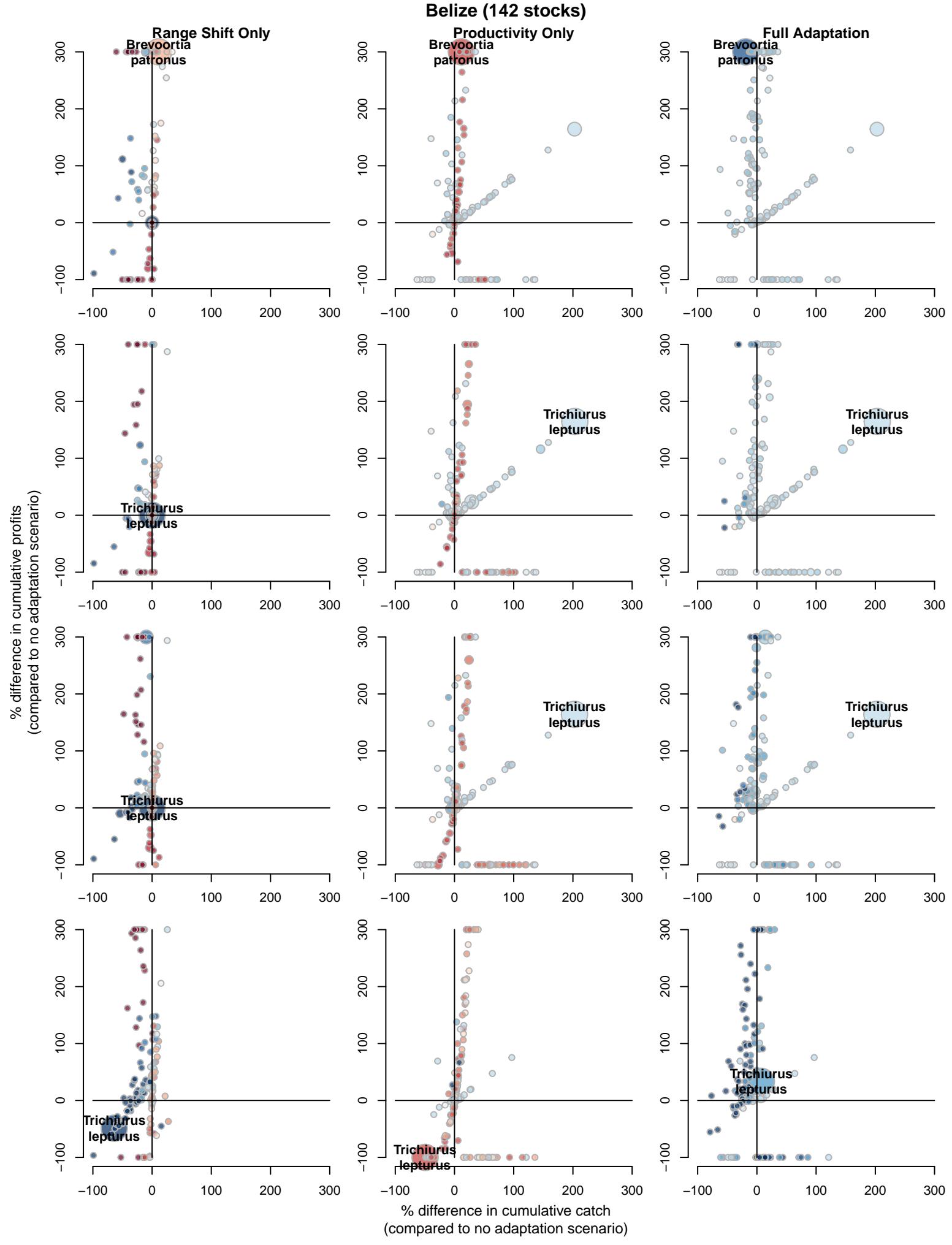
Barbados (143 stocks)



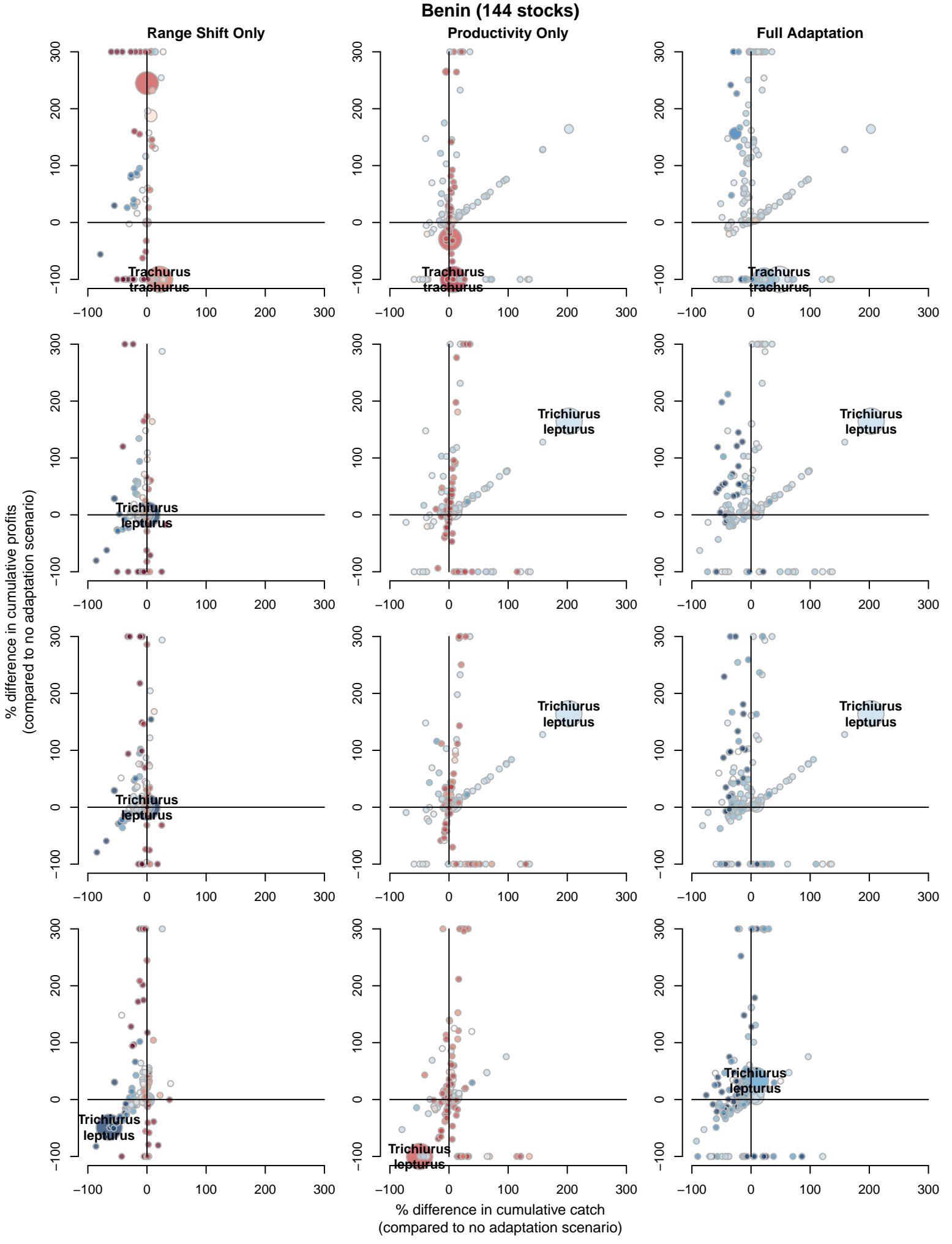
Belgium (136 stocks)



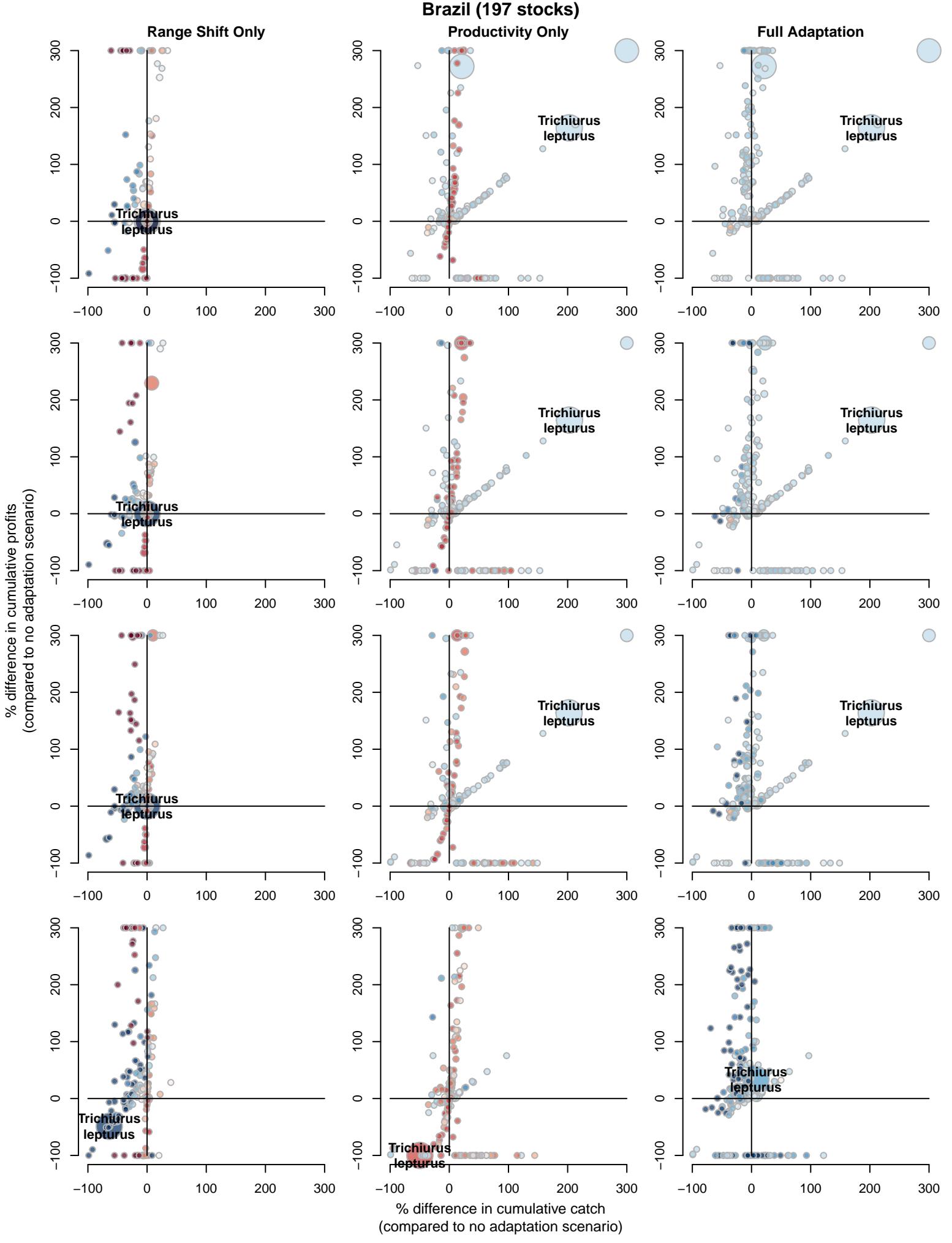
Belize (142 stocks)



Benin (144 stocks)

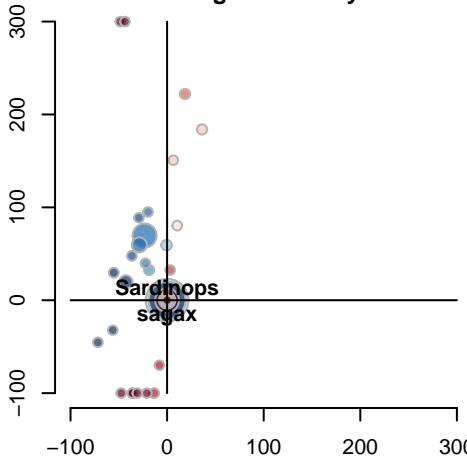


Brazil (197 stocks)

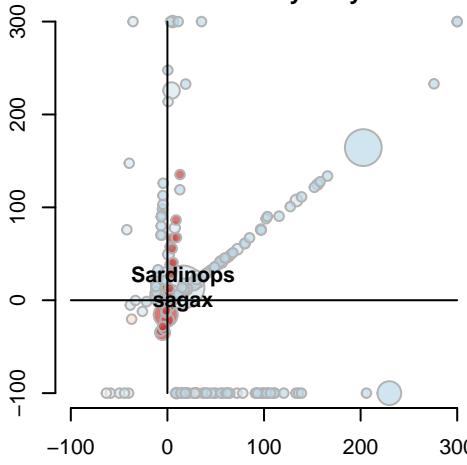


Brunei (204 stocks)

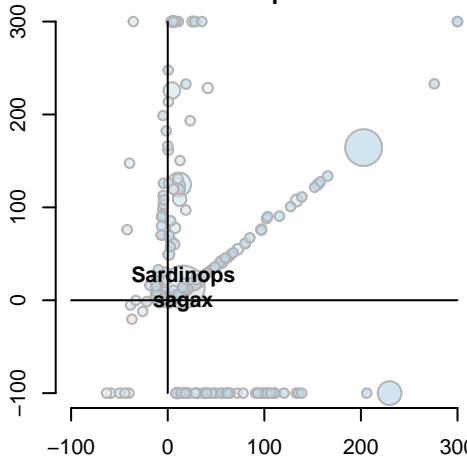
Range Shift Only



Productivity Only

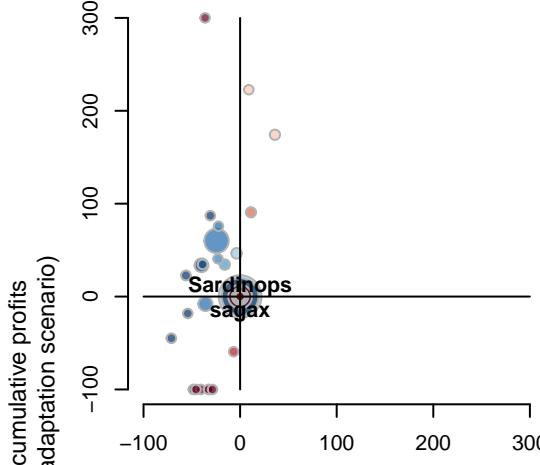


Full Adaptation

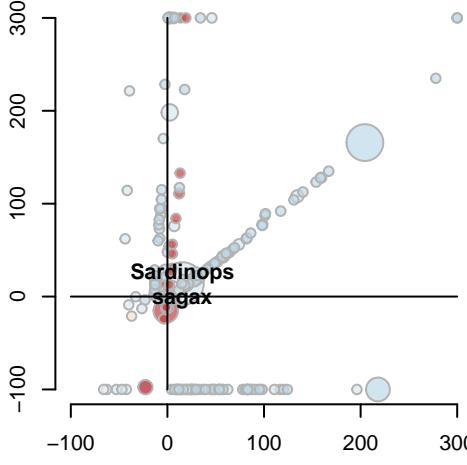


% difference in cumulative profits
(compared to no adaptation scenario)

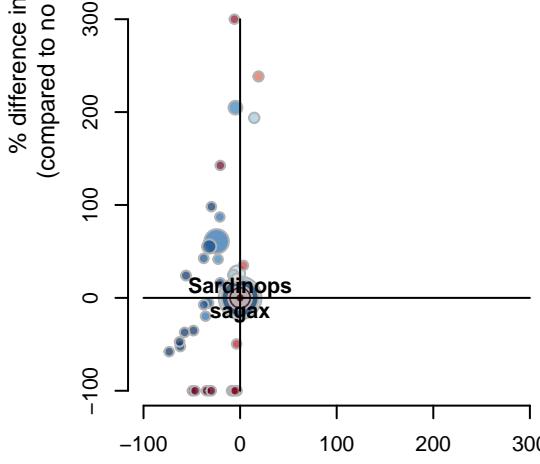
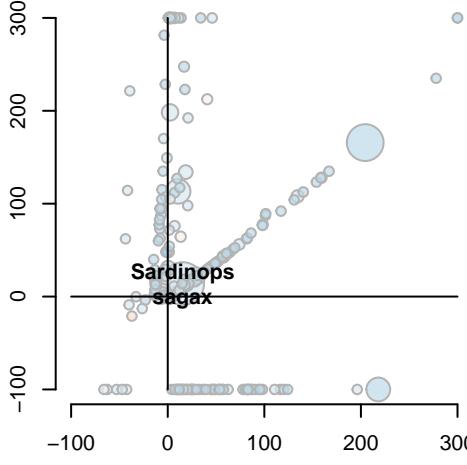
Range Shift Only



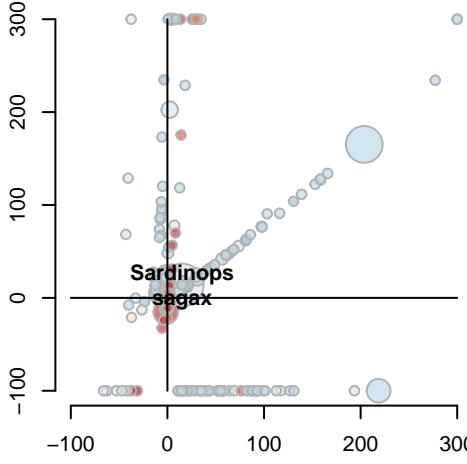
Productivity Only



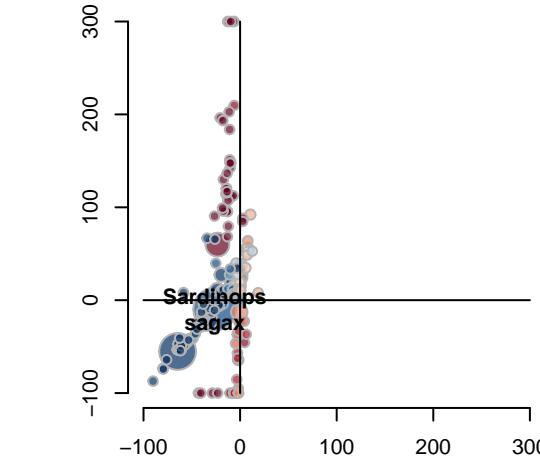
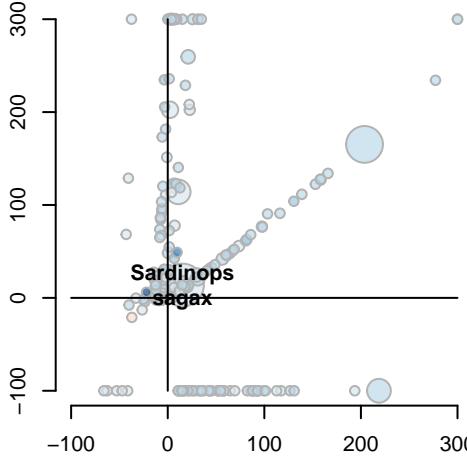
Full Adaptation



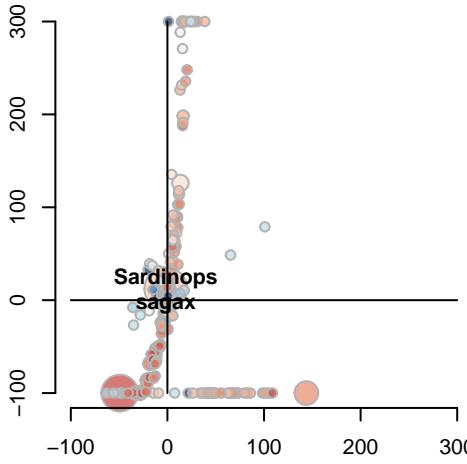
Productivity Only



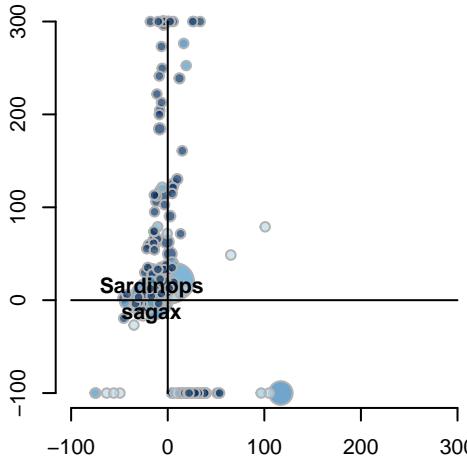
Full Adaptation



Productivity Only

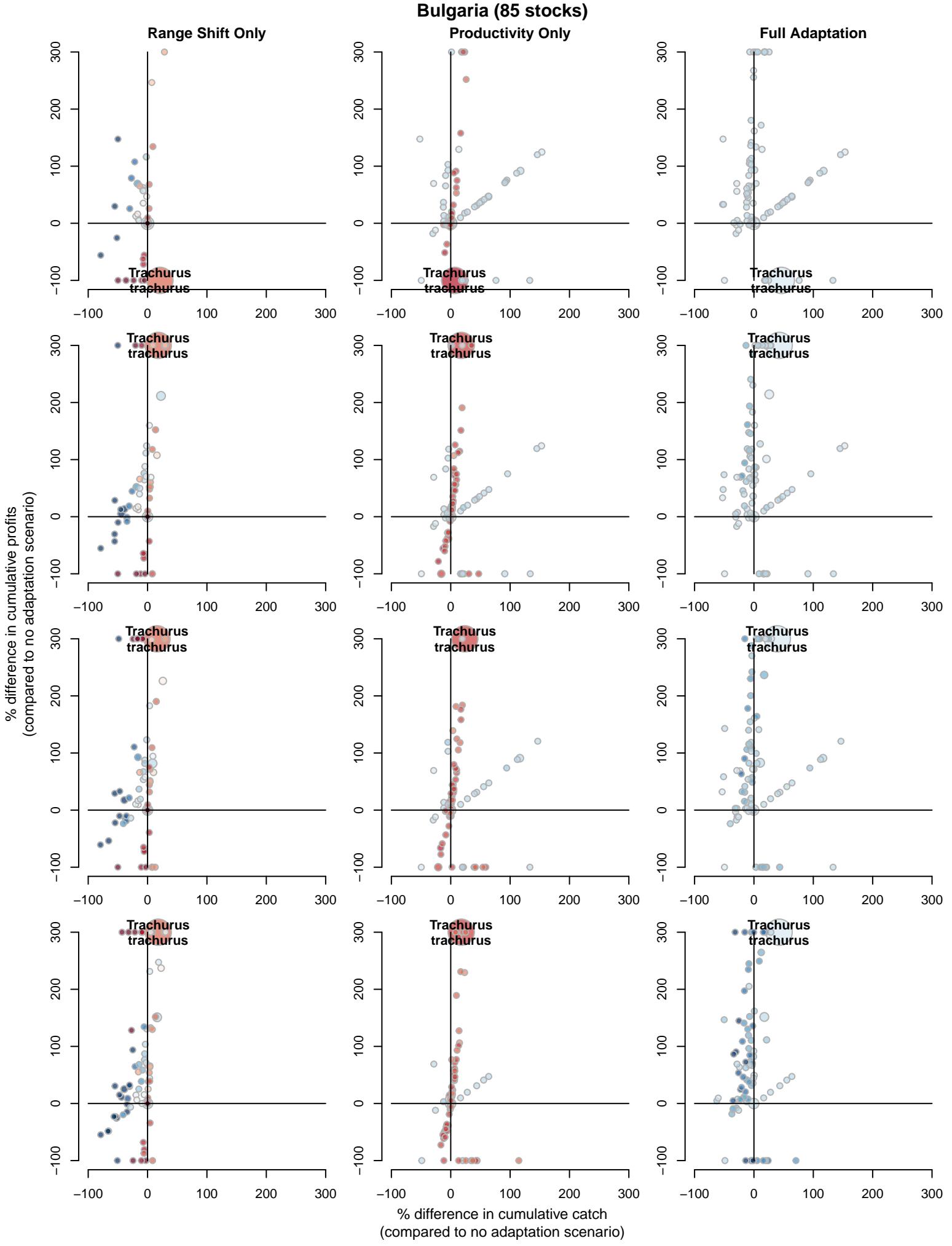


Full Adaptation

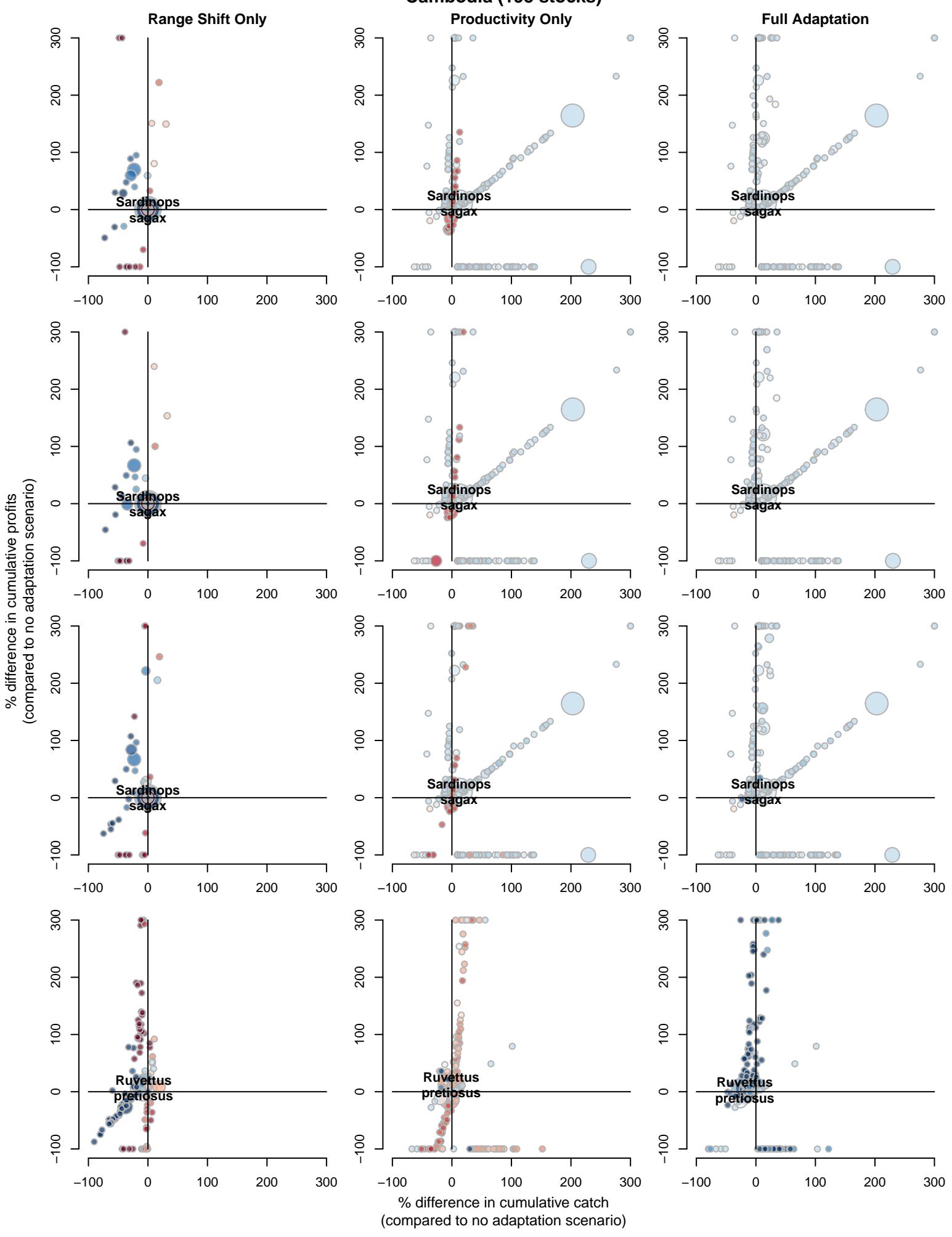


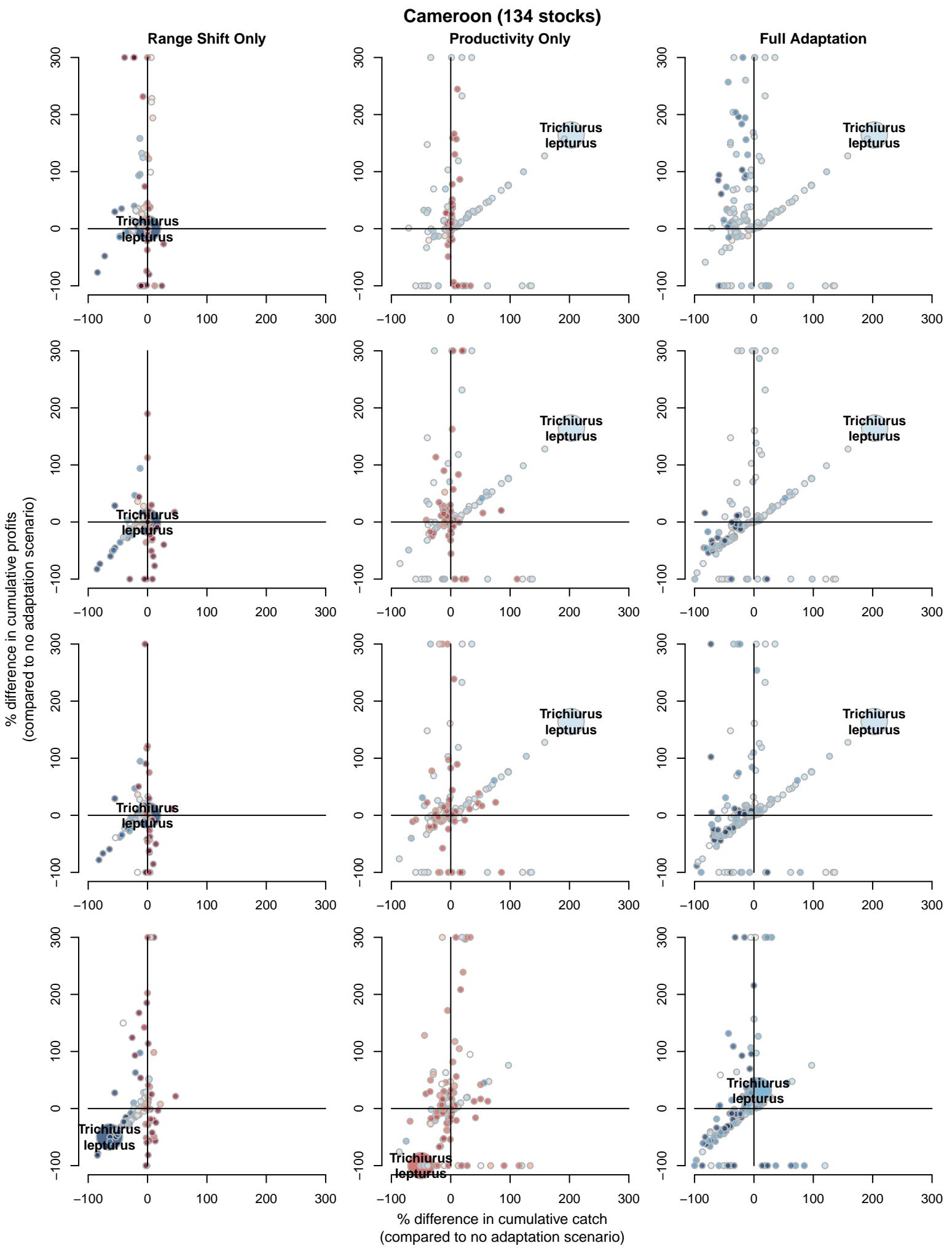
% difference in cumulative catch
(compared to no adaptation scenario)

Bulgaria (85 stocks)

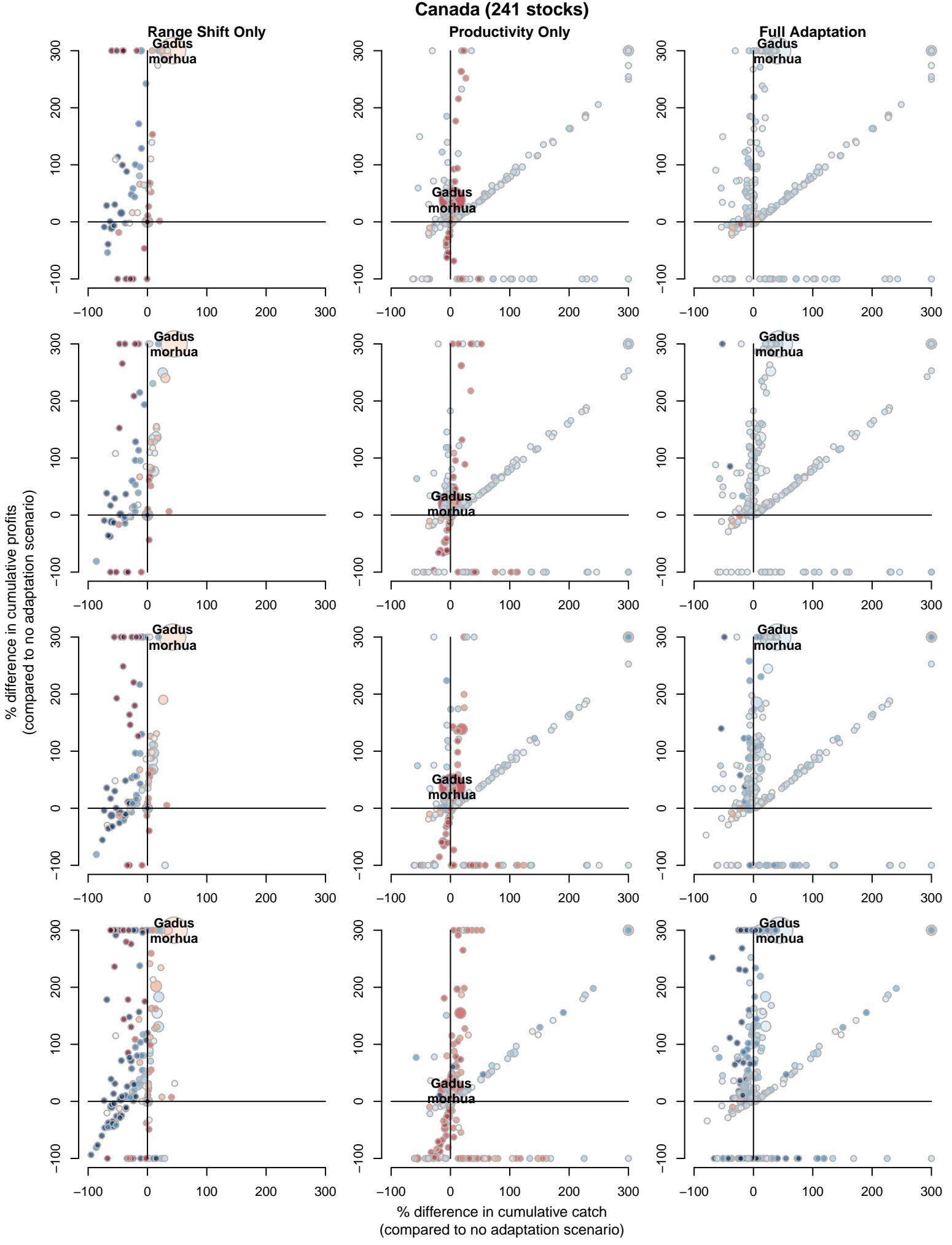


Cambodia (193 stocks)

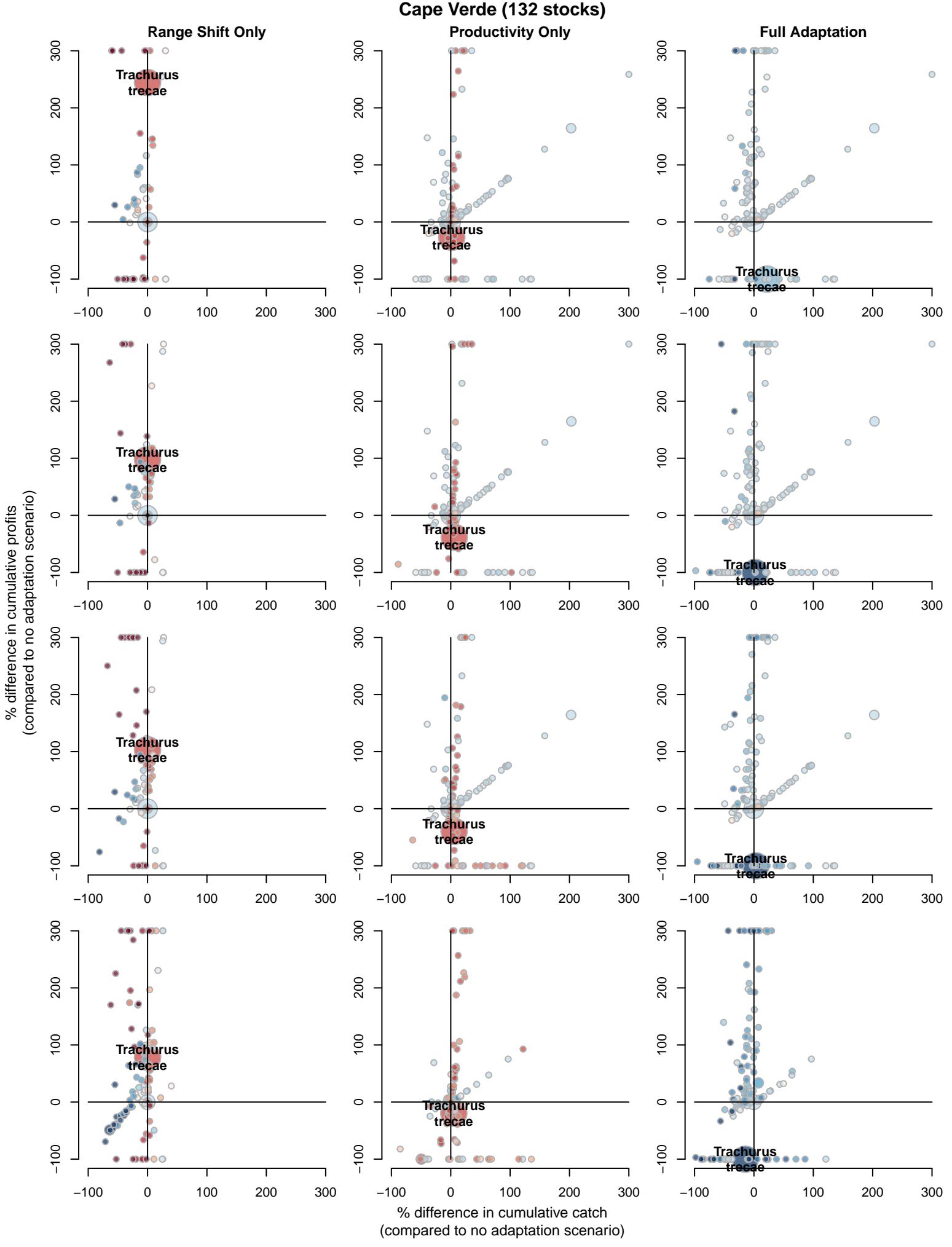


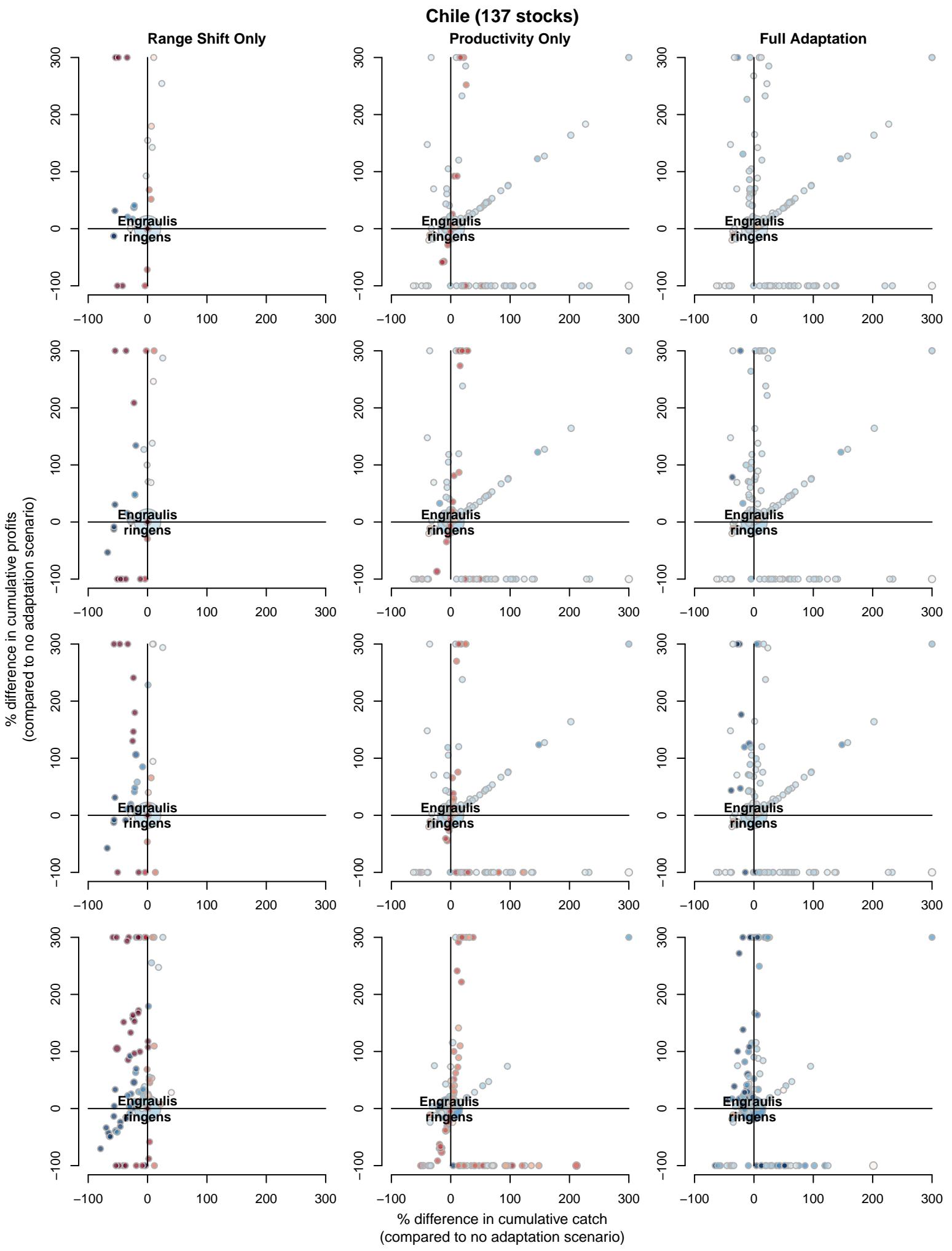


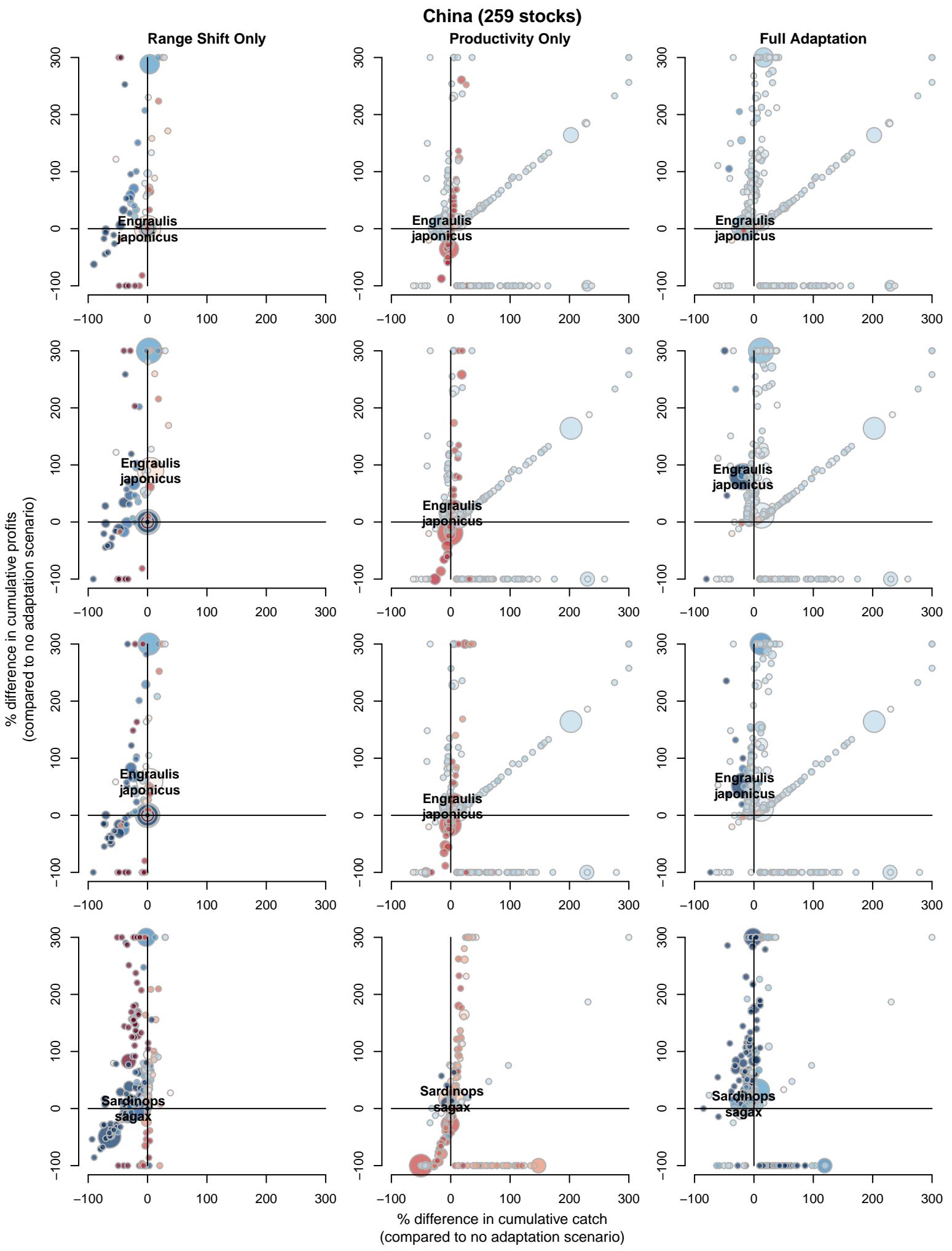
Canada (241 stocks)



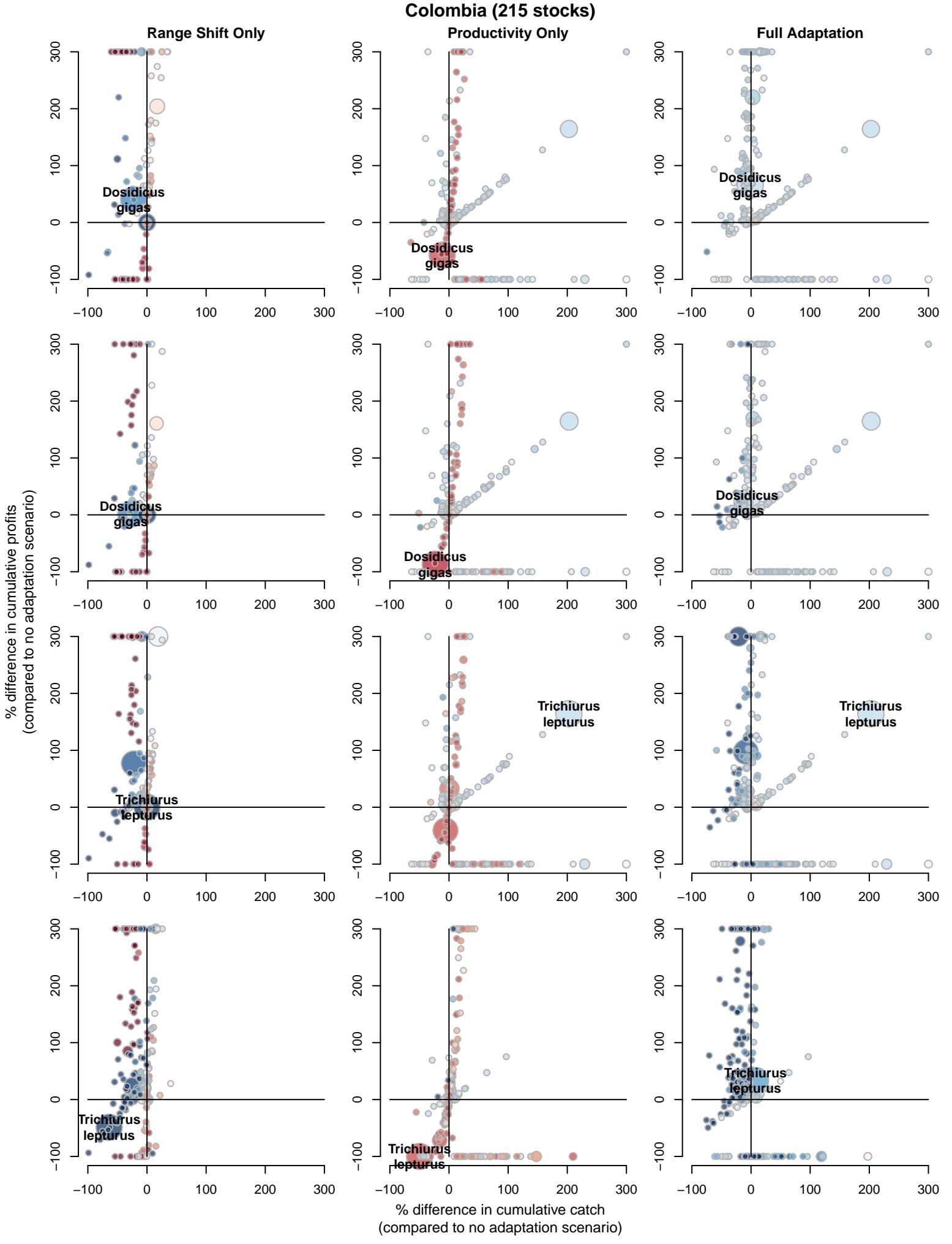
Cape Verde (132 stocks)



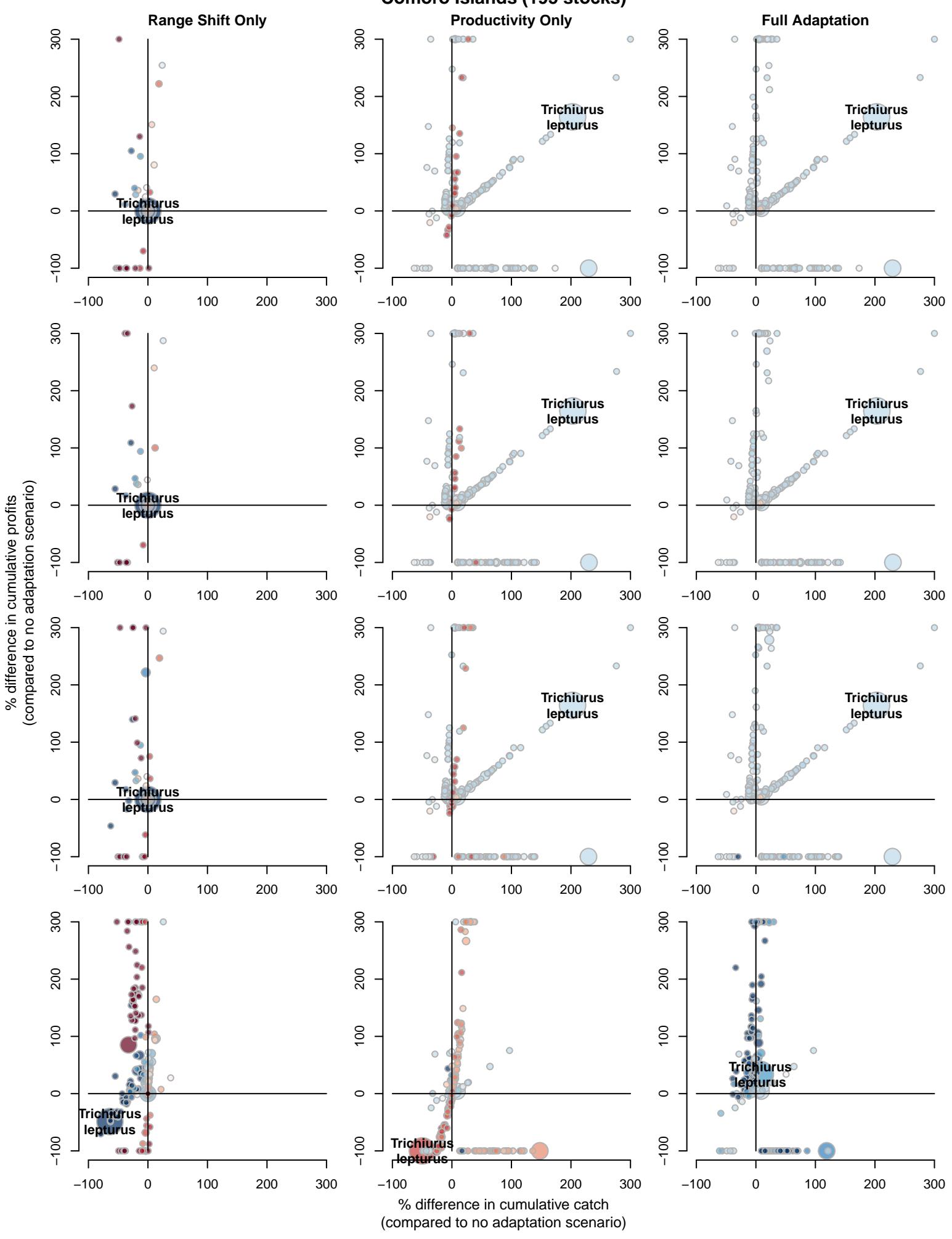




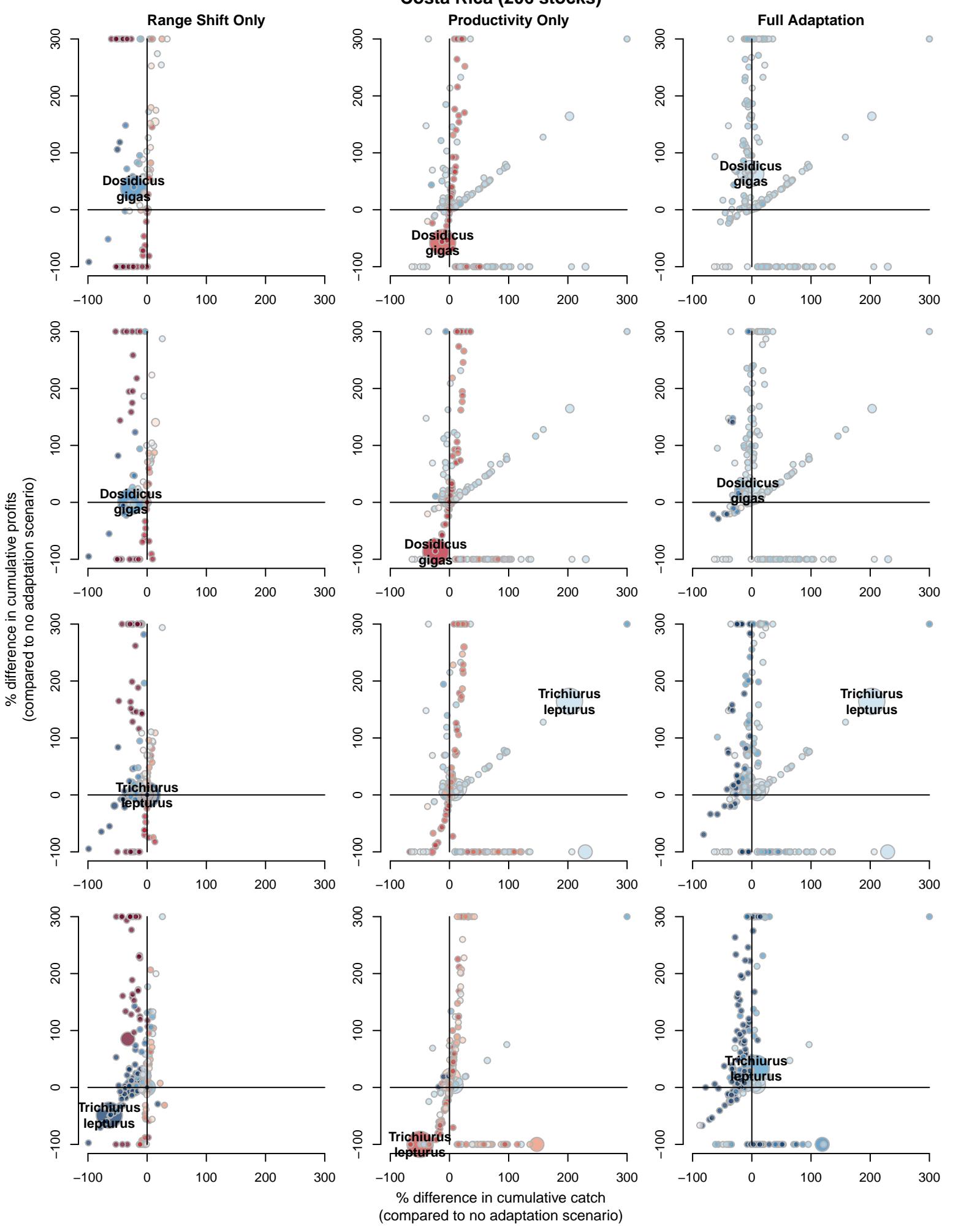
Colombia (215 stocks)



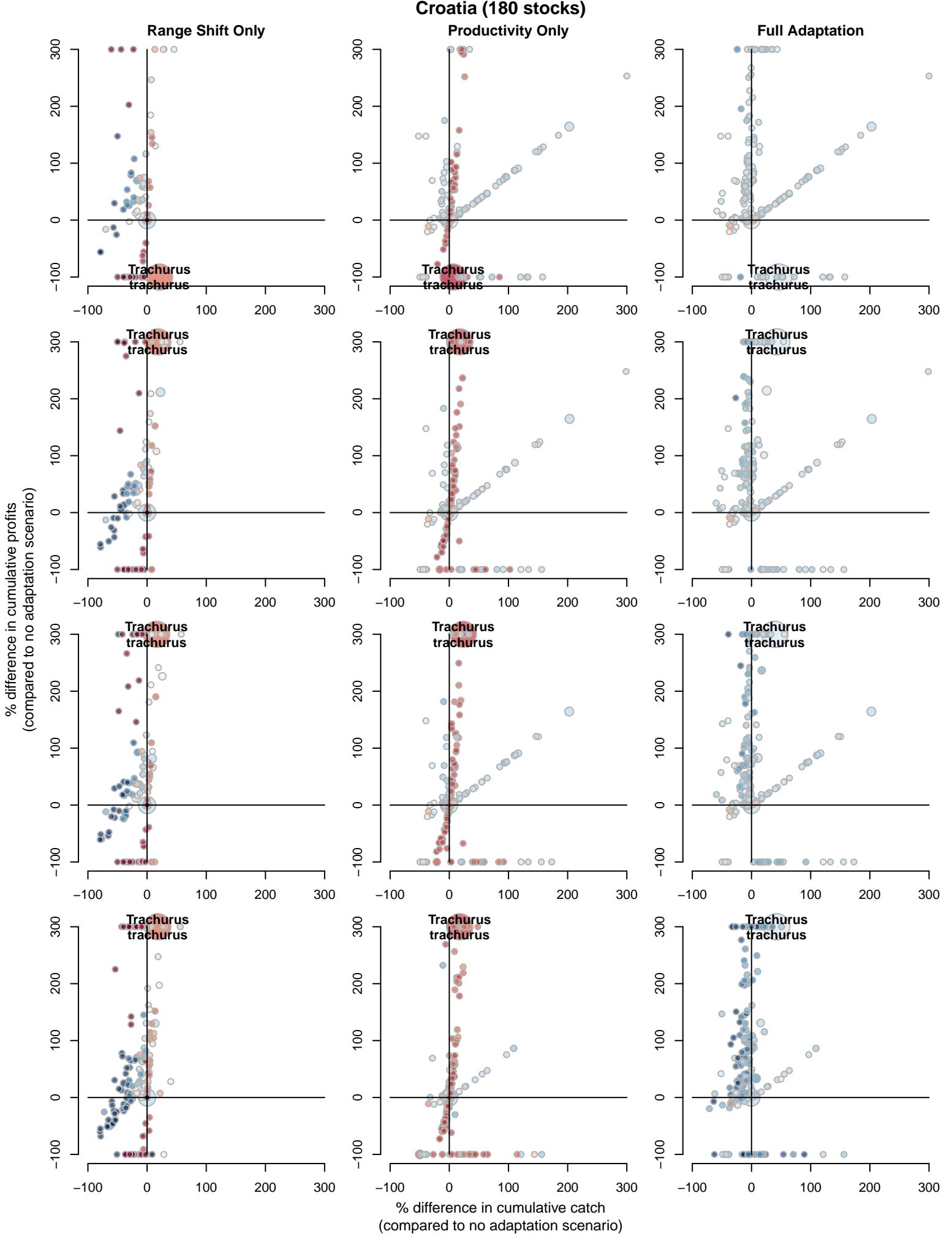
Comoro Islands (195 stocks)



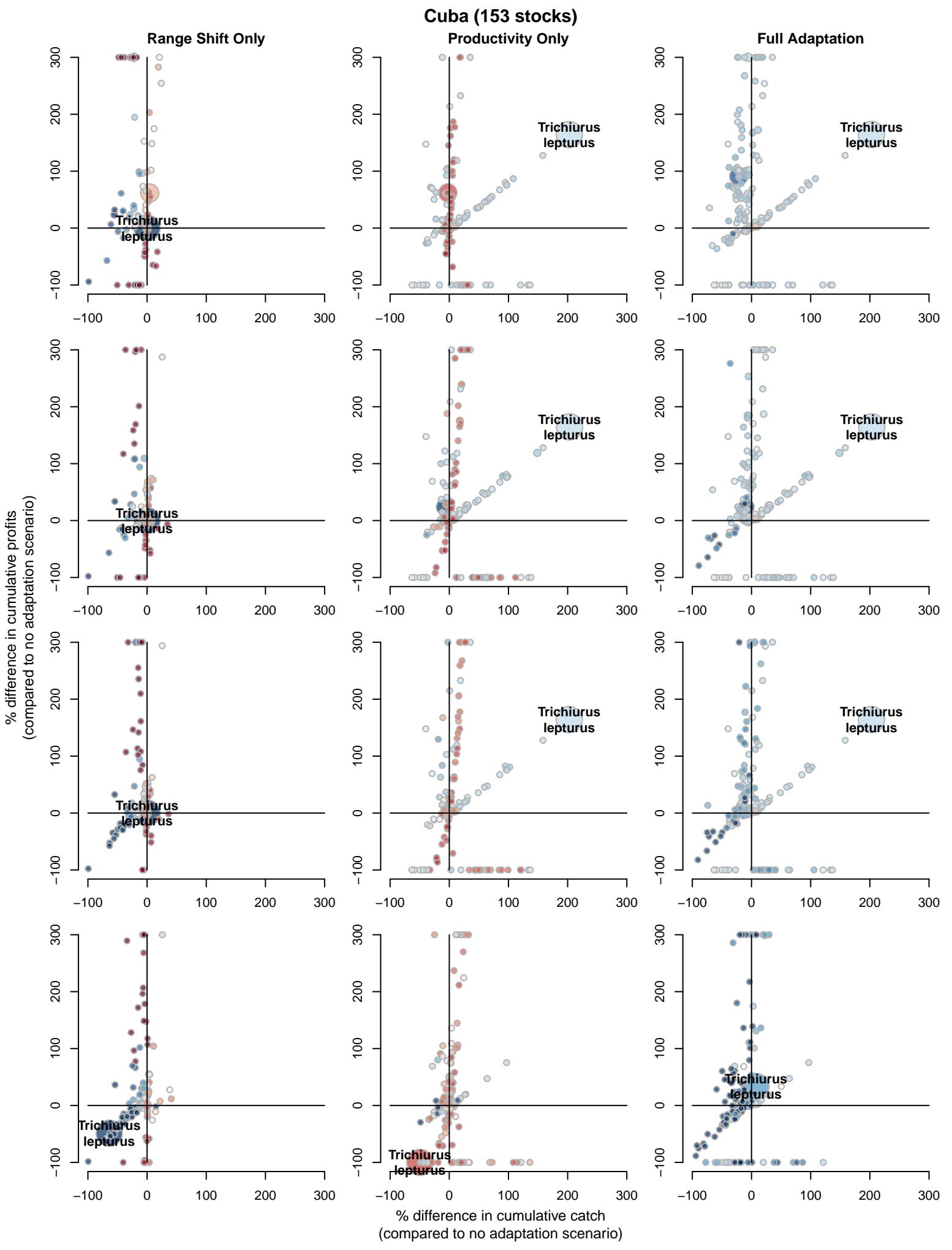
Costa Rica (206 stocks)



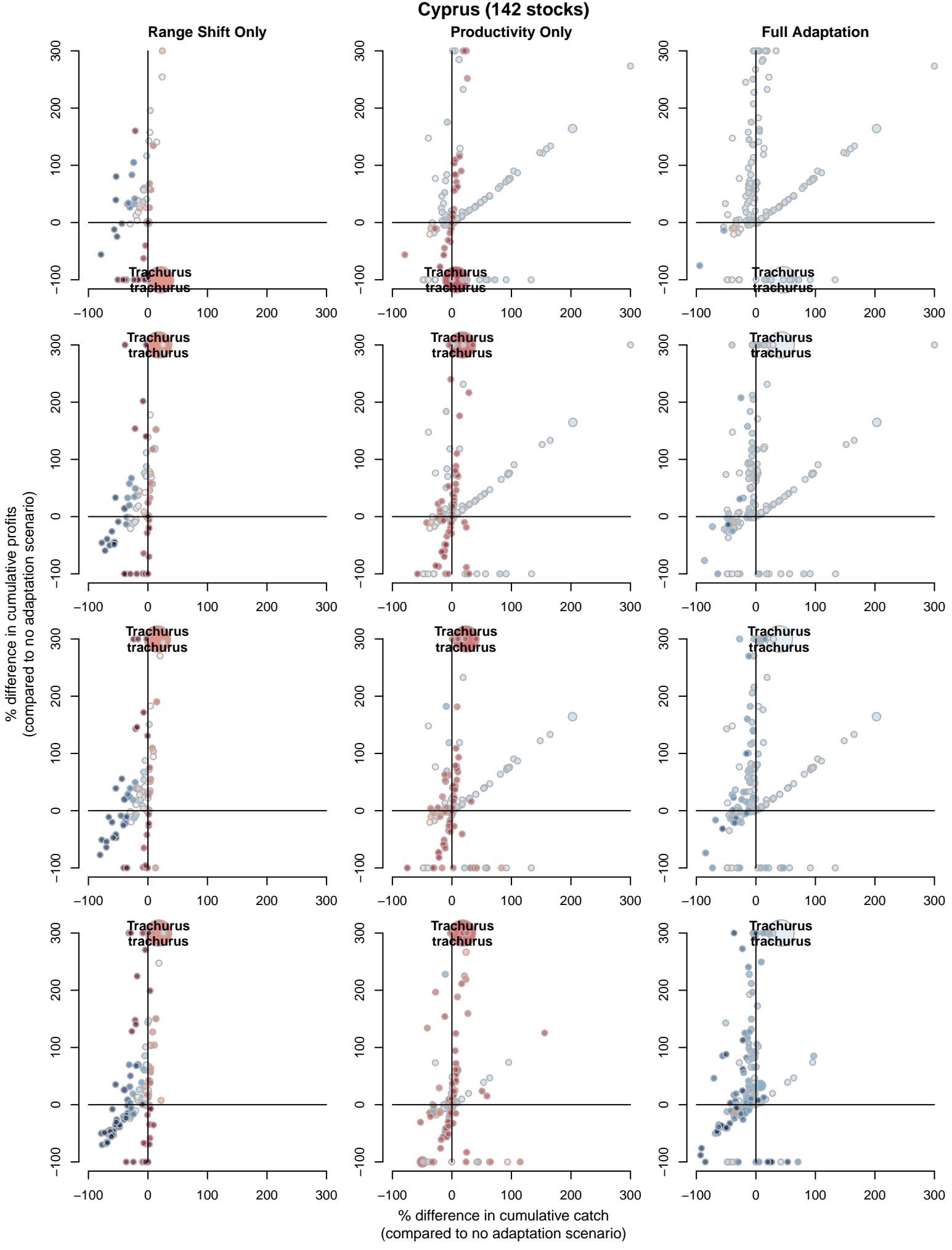
Croatia (180 stocks)



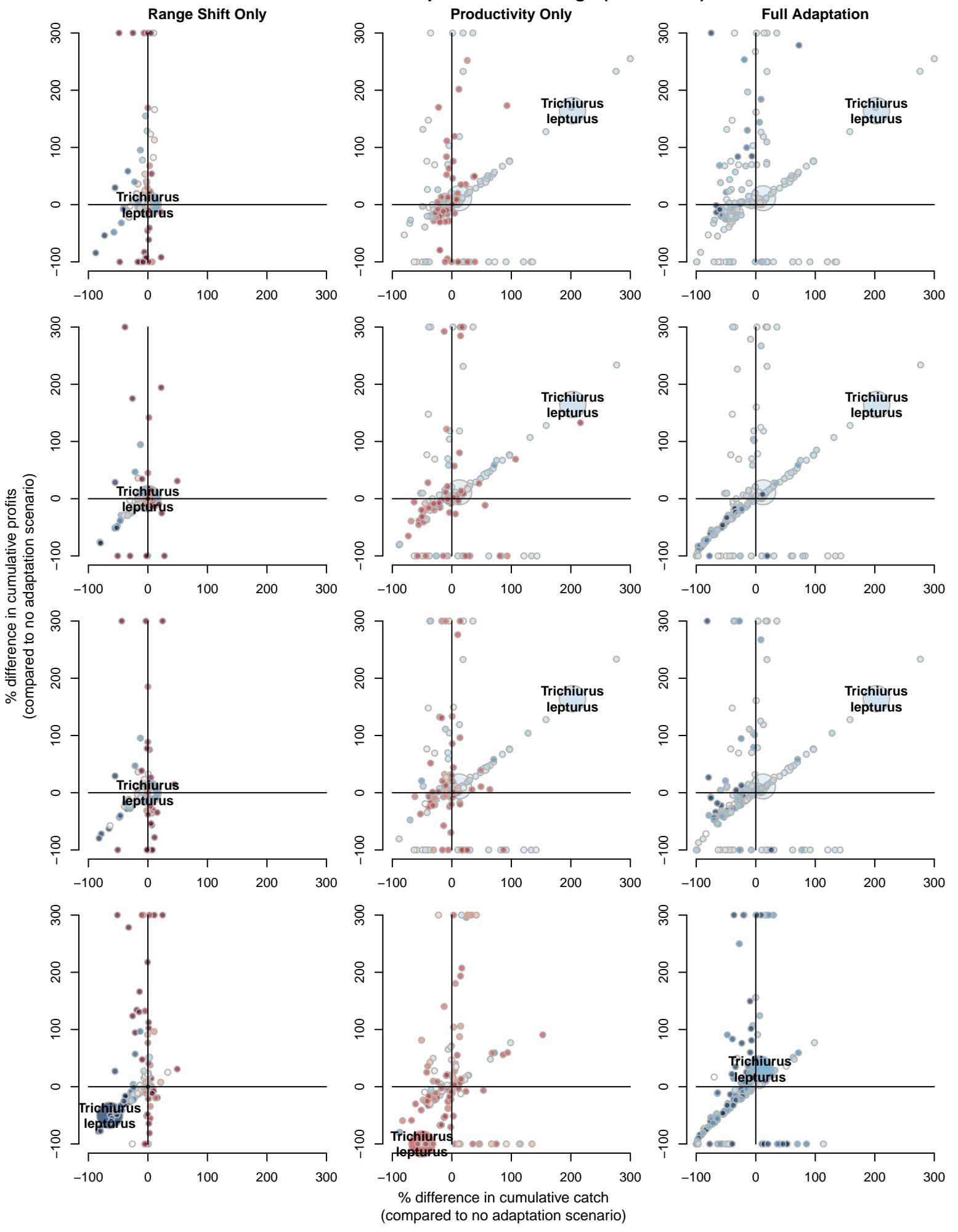
Cuba (153 stocks)



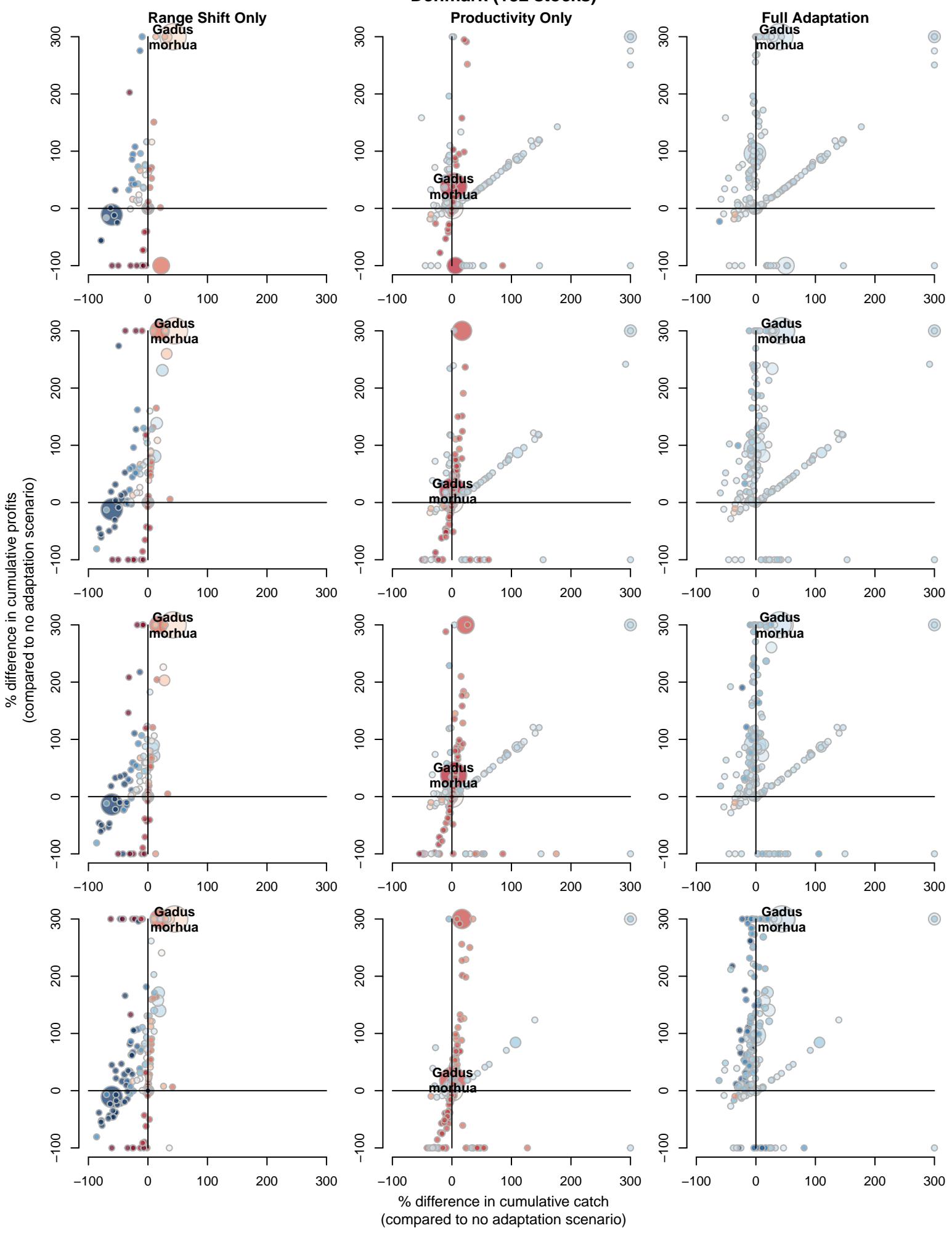
Cyprus (142 stocks)



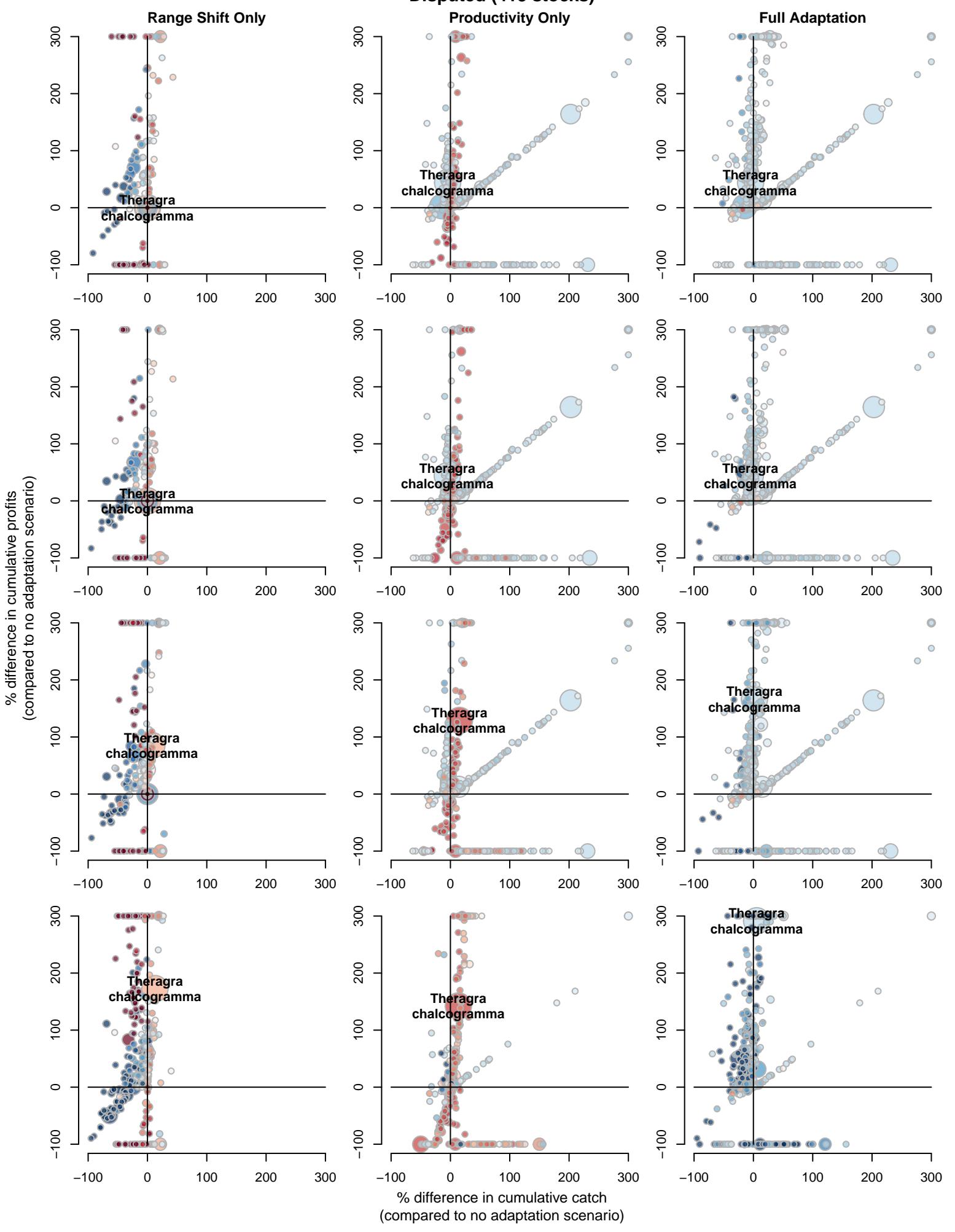
Democratic Republic of the Congo (154 stocks)



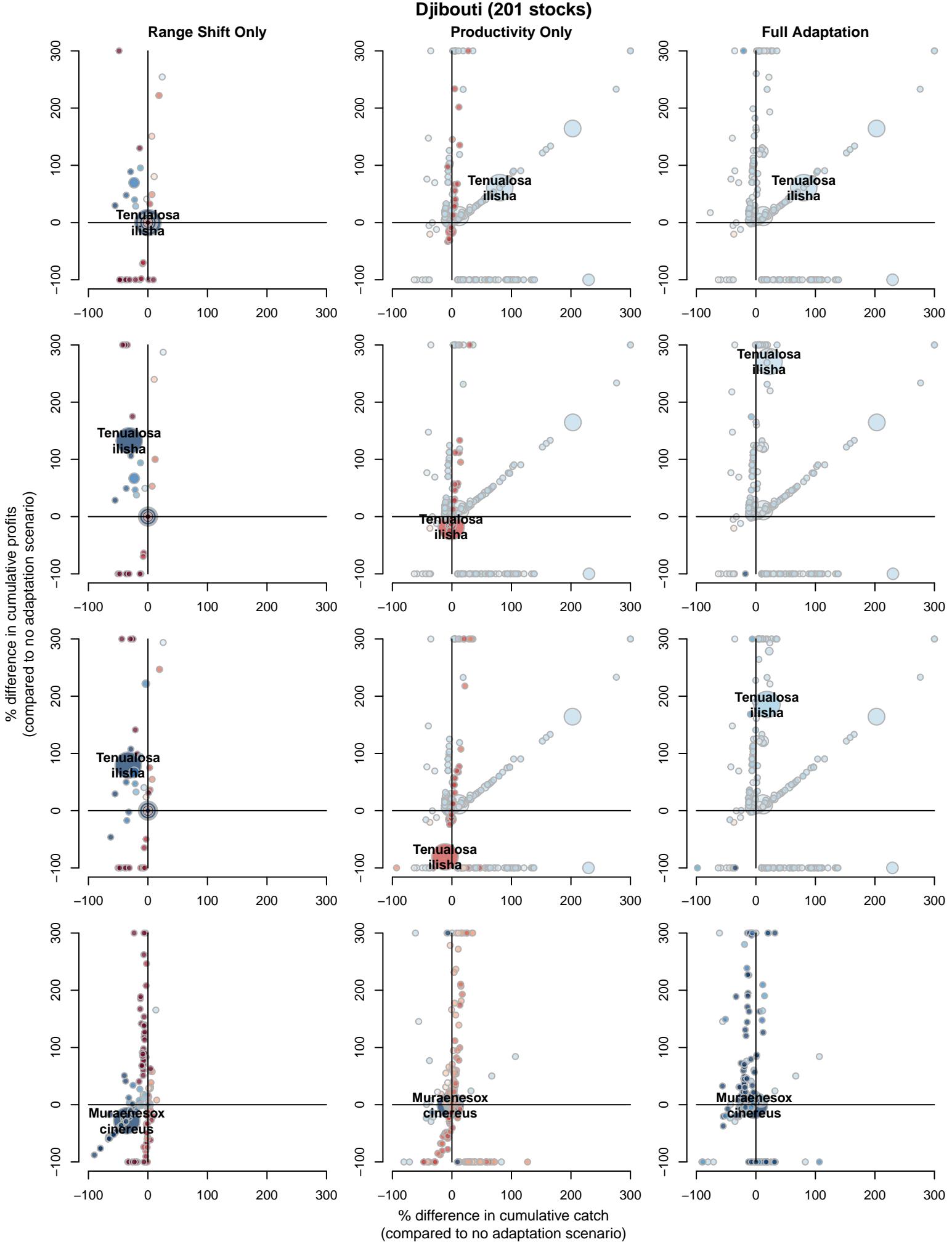
Denmark (182 stocks)



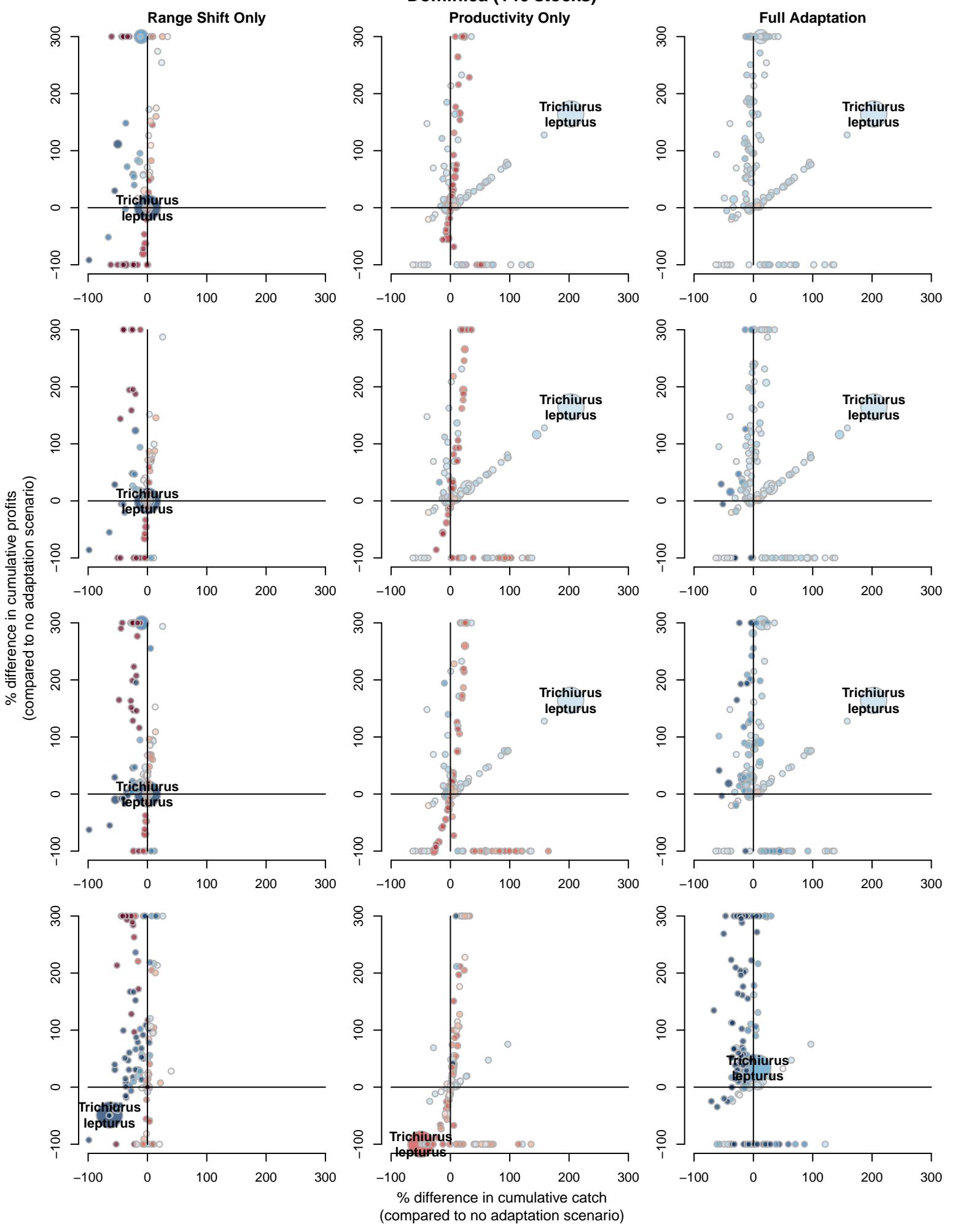
Disputed (413 stocks)



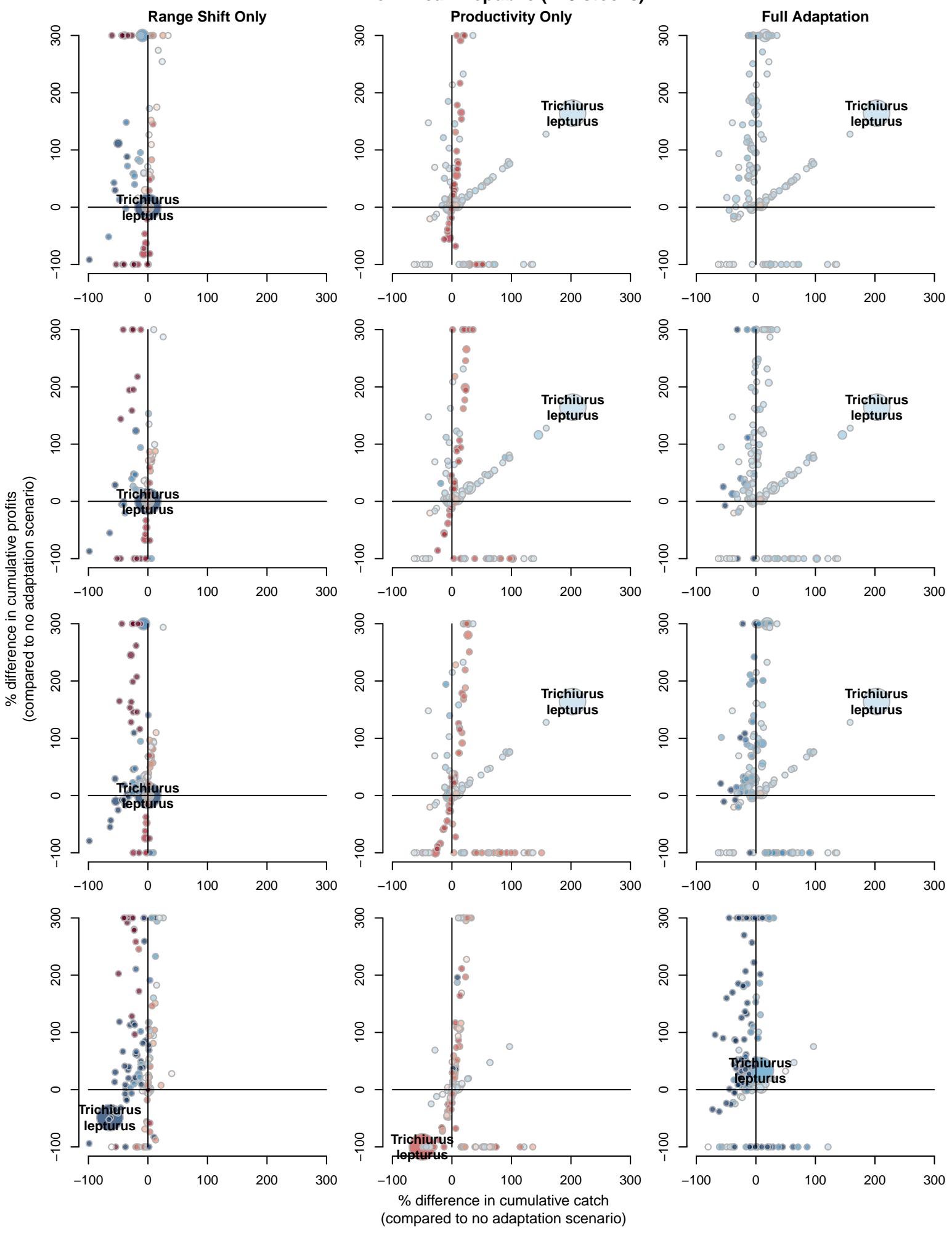
Djibouti (201 stocks)



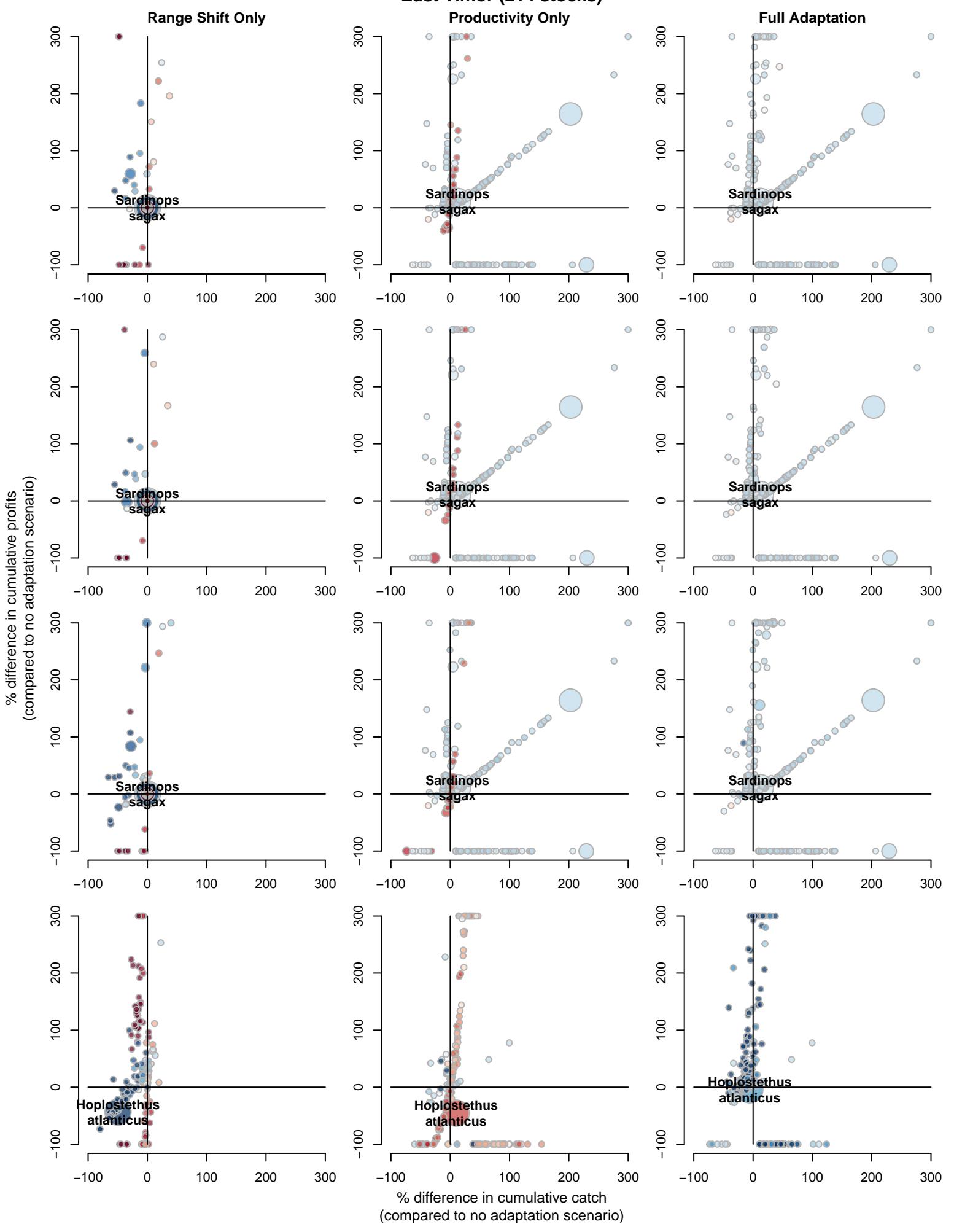
Dominica (146 stocks)



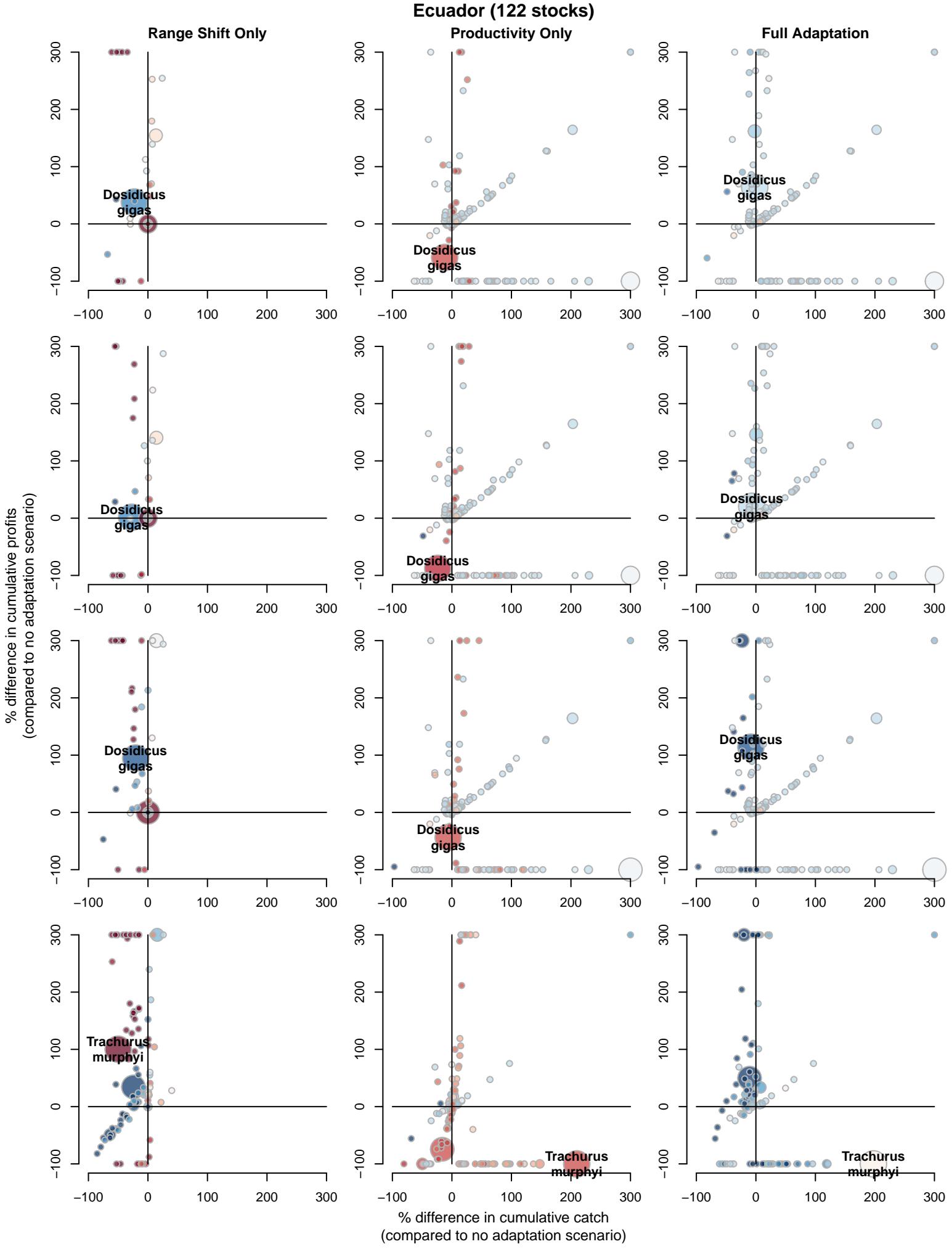
Dominican Republic (148 stocks)



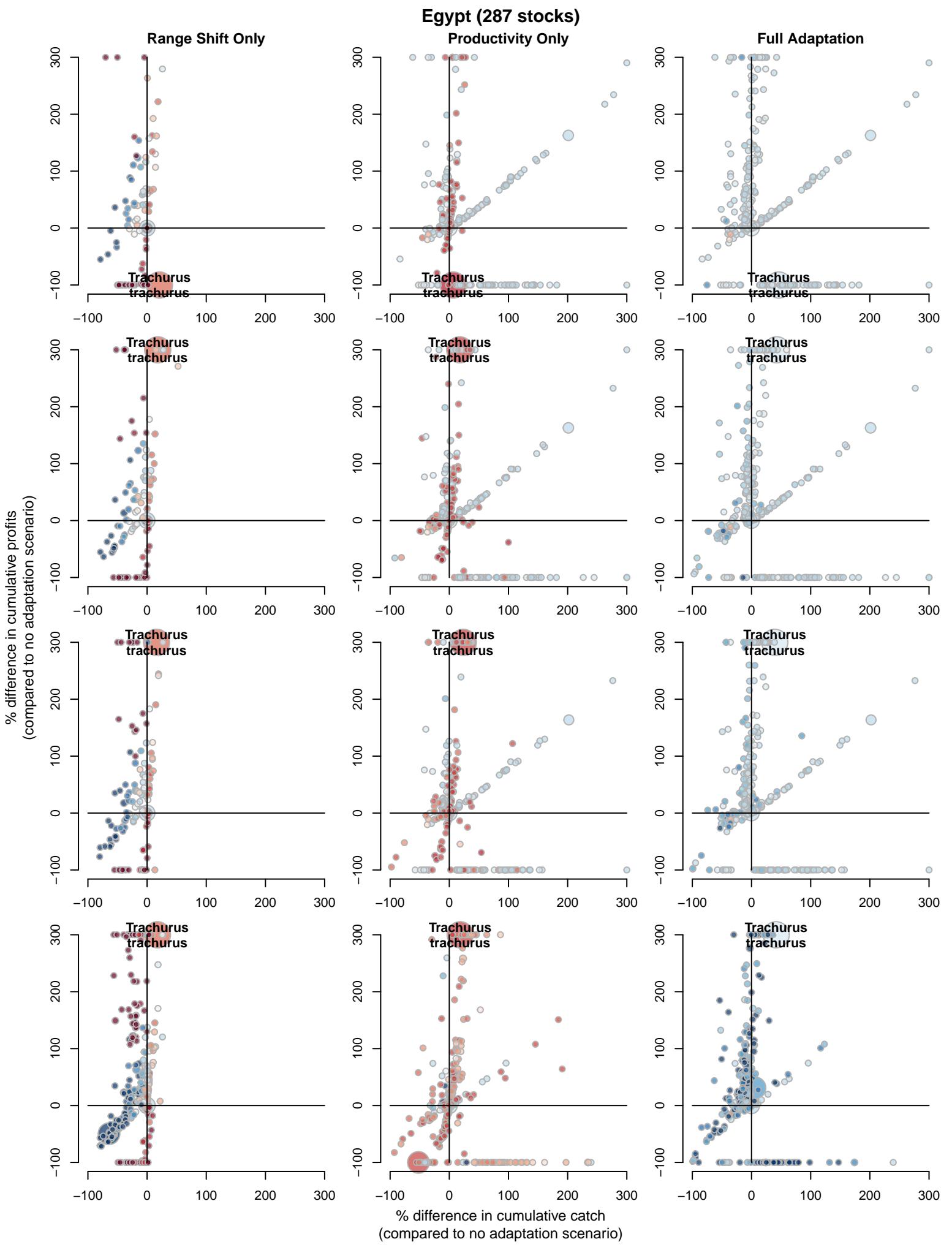
East Timor (214 stocks)



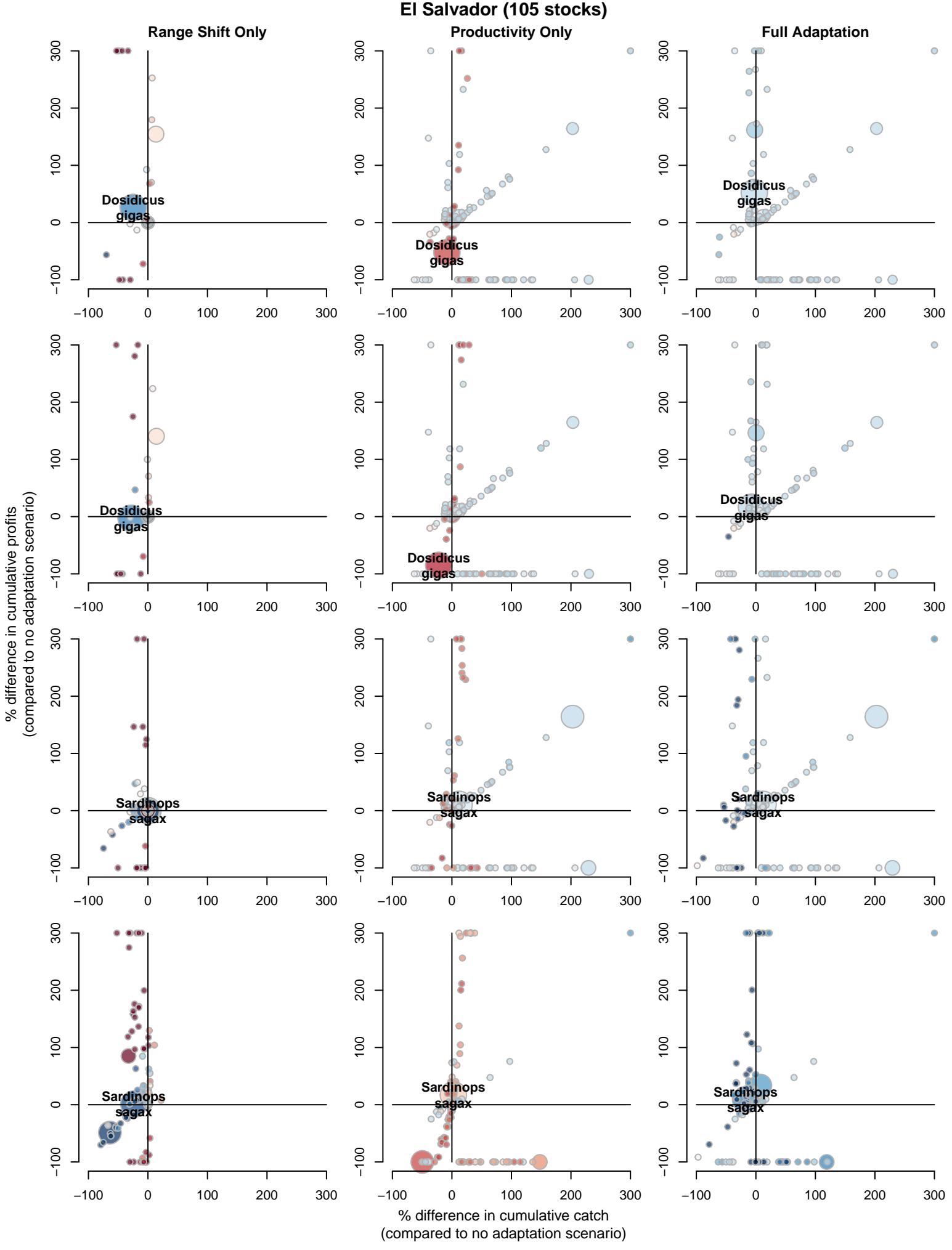
Ecuador (122 stocks)



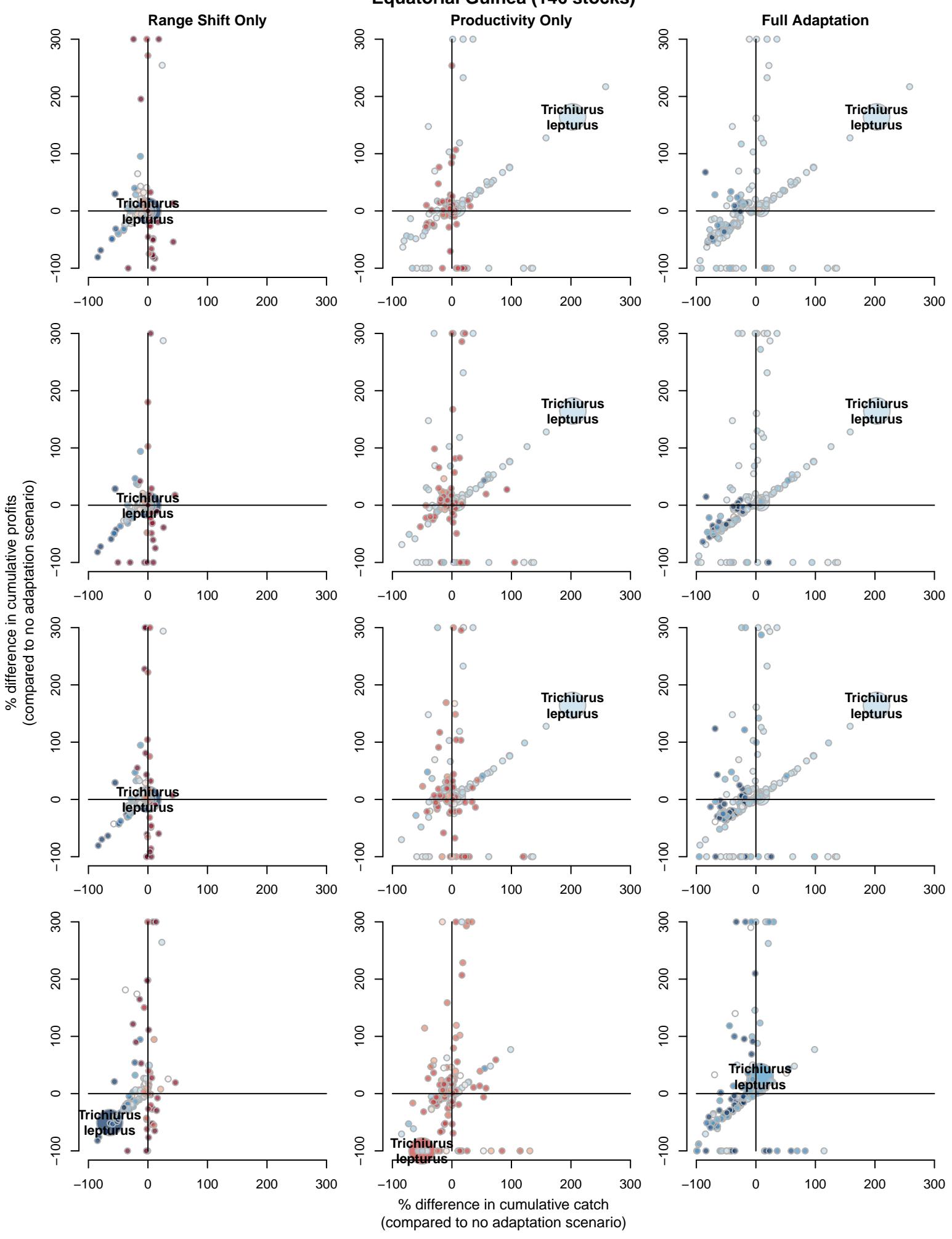
Egypt (287 stocks)



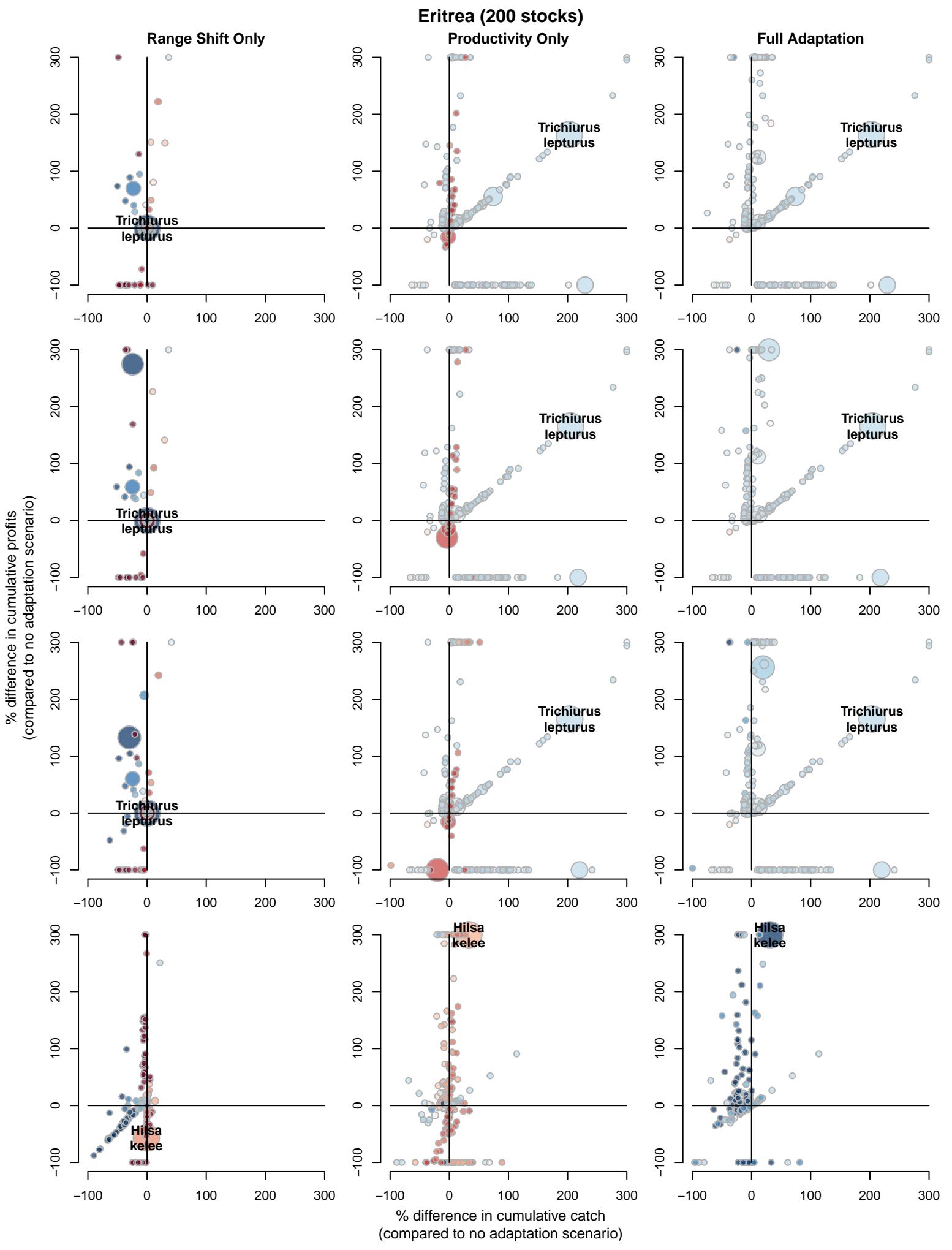
El Salvador (105 stocks)



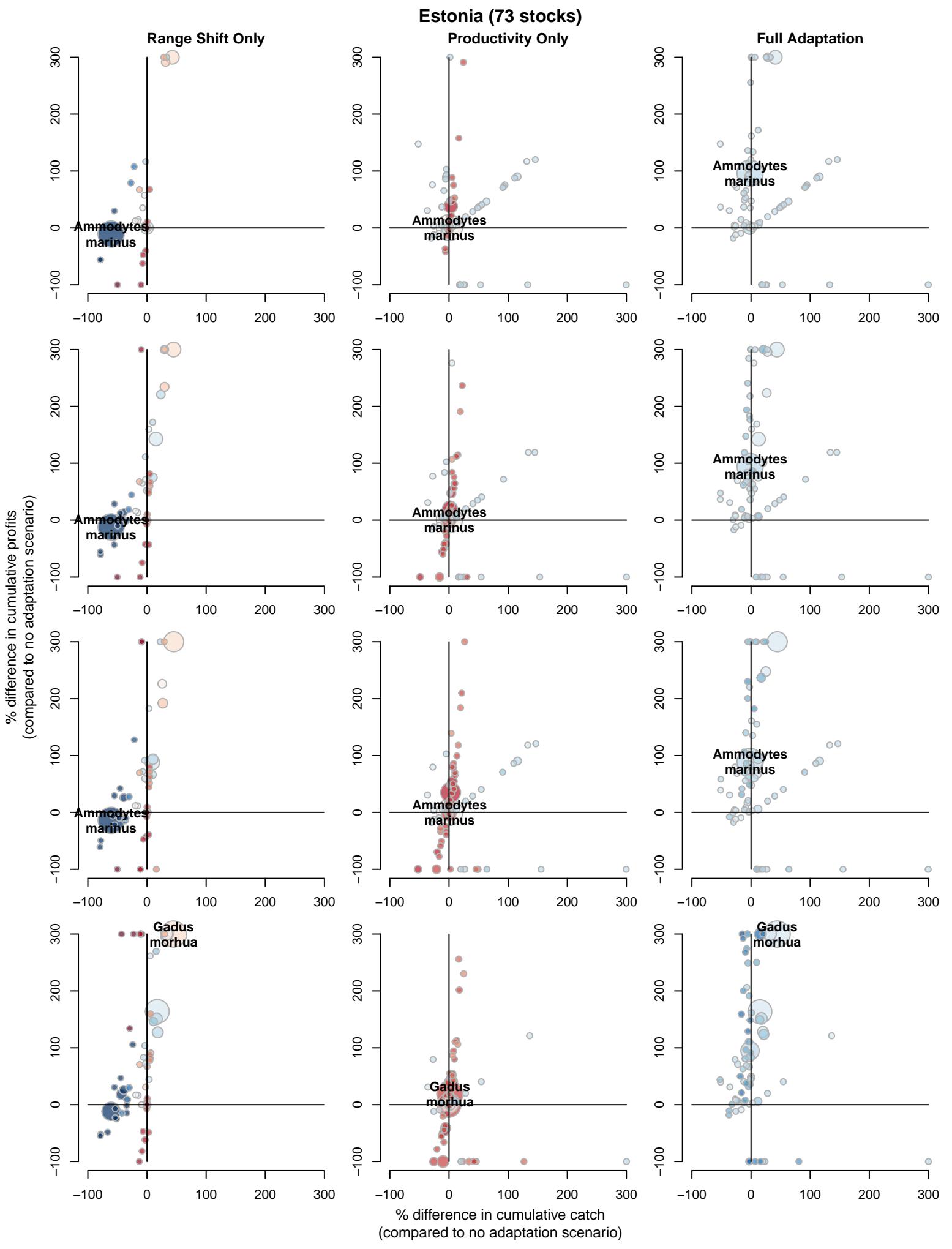
Equatorial Guinea (146 stocks)



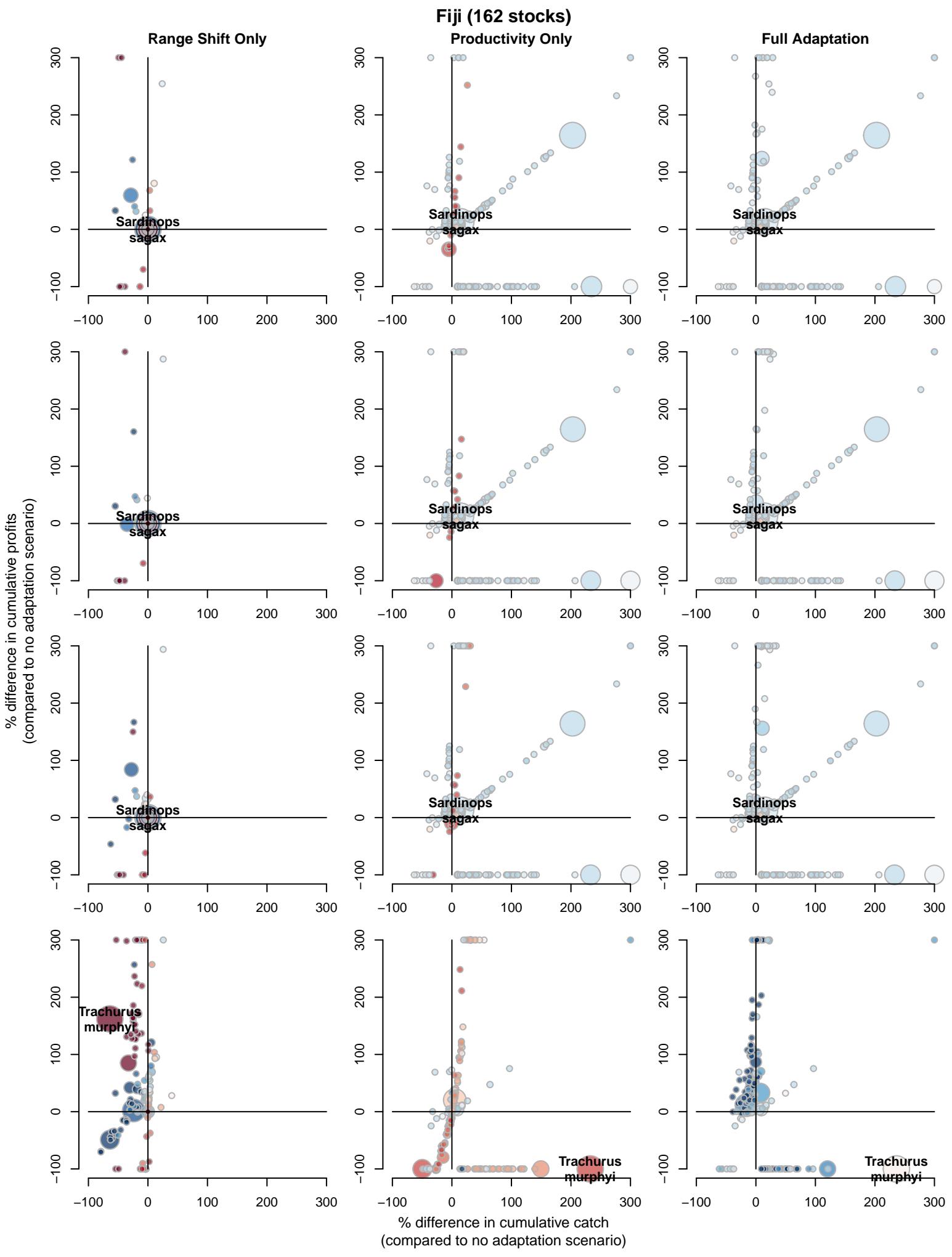
Eritrea (200 stocks)



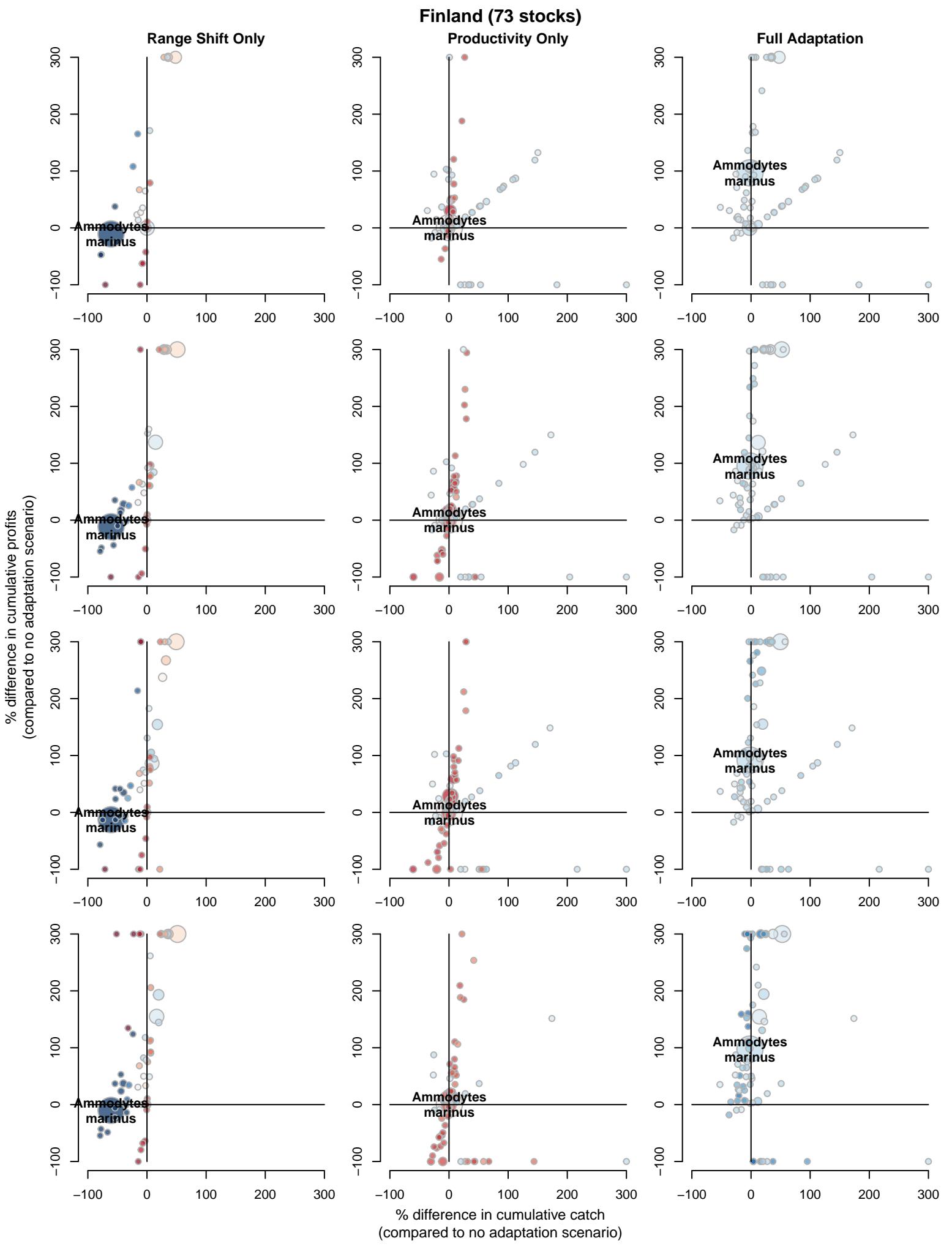
Estonia (73 stocks)



Fiji (162 stocks)

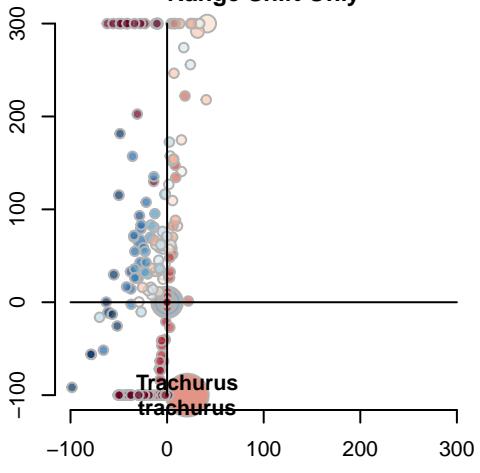


Finland (73 stocks)

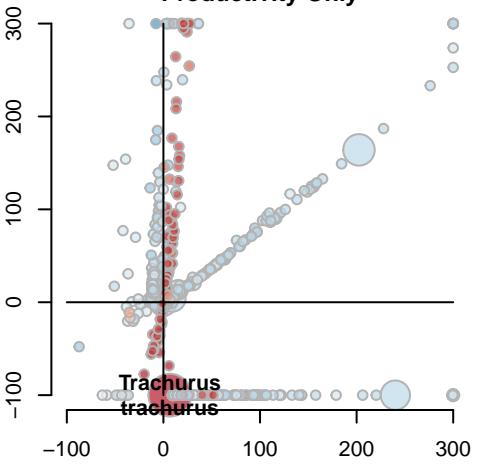


France (534 stocks)

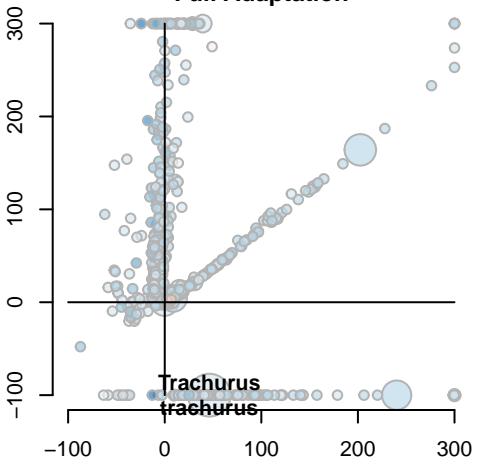
Range Shift Only



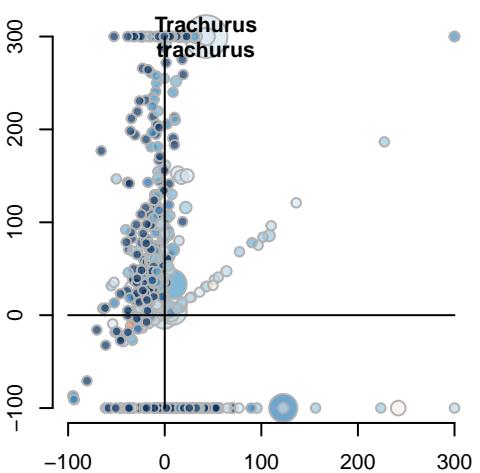
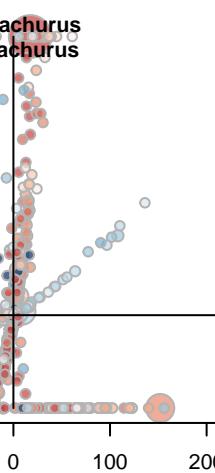
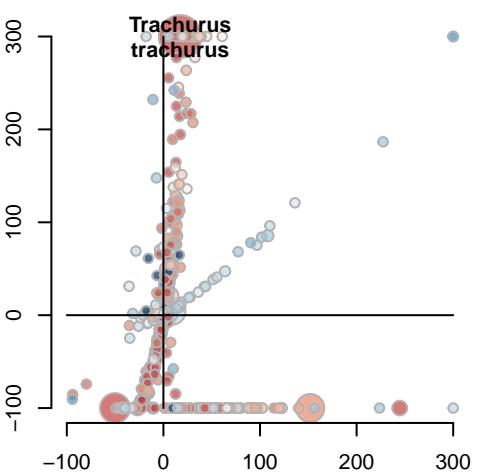
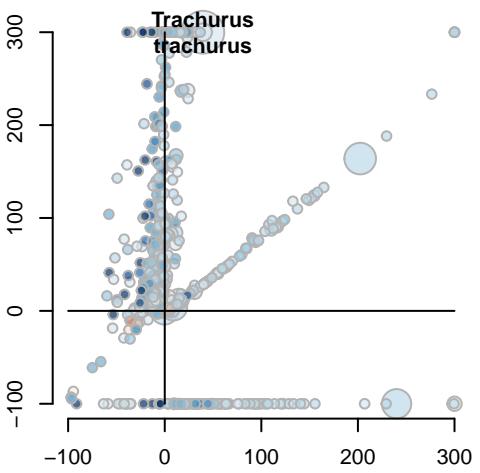
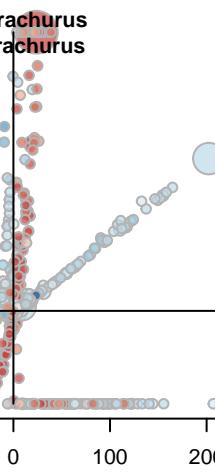
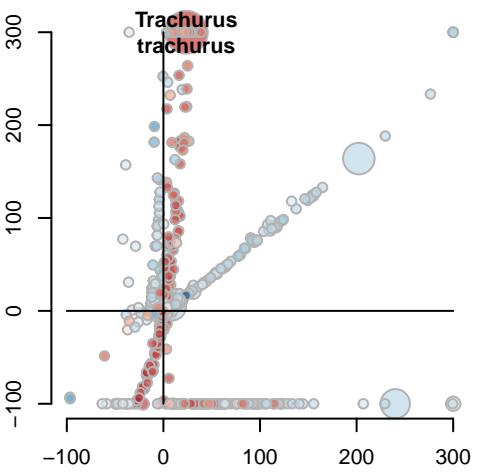
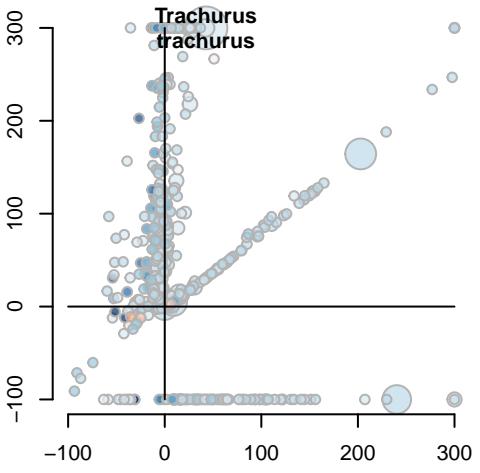
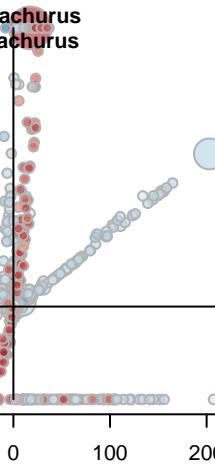
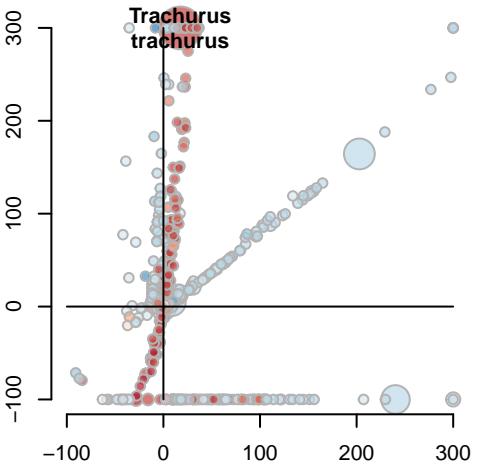
Productivity Only



Full Adaptation

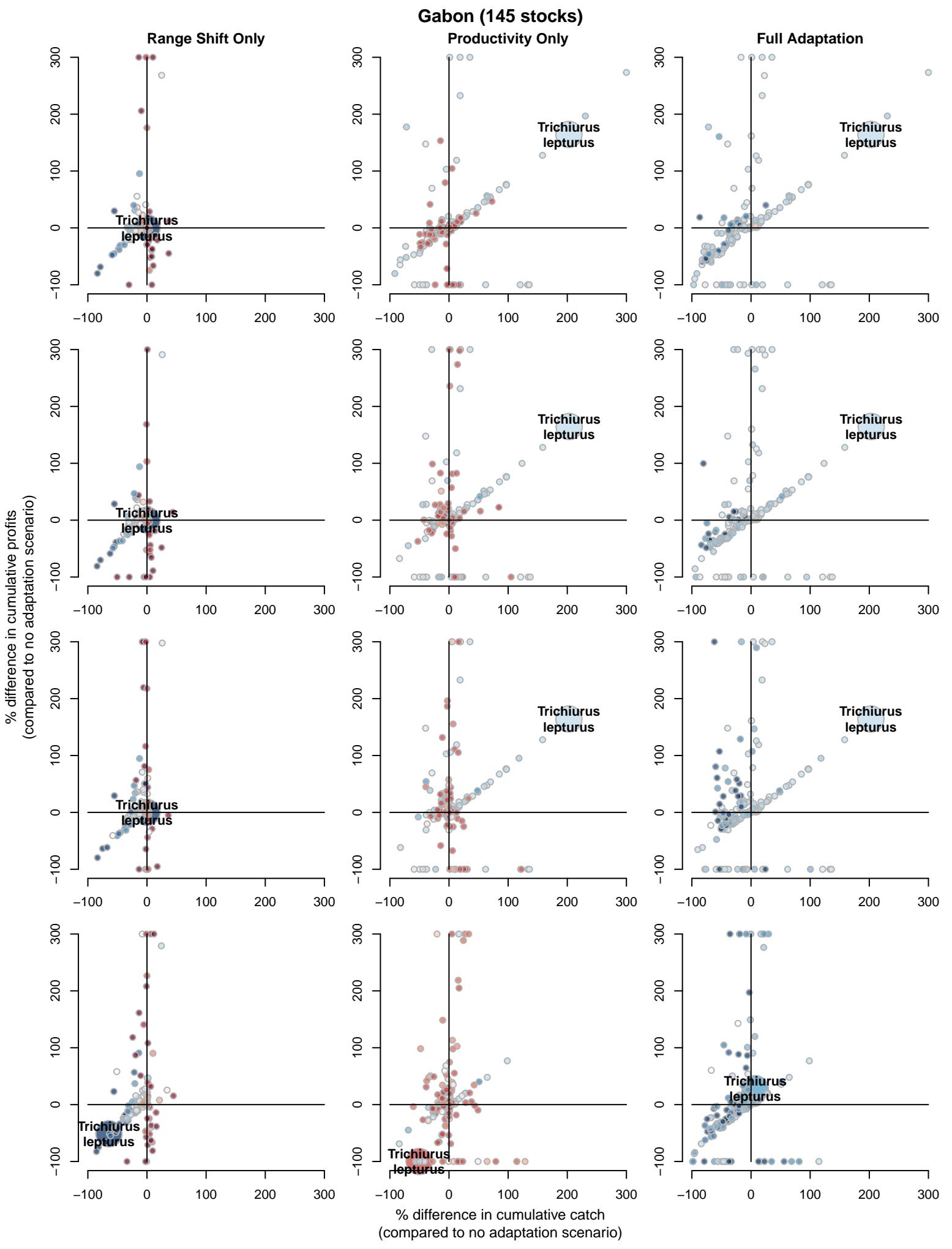


% difference in cumulative profits
(compared to no adaptation scenario)

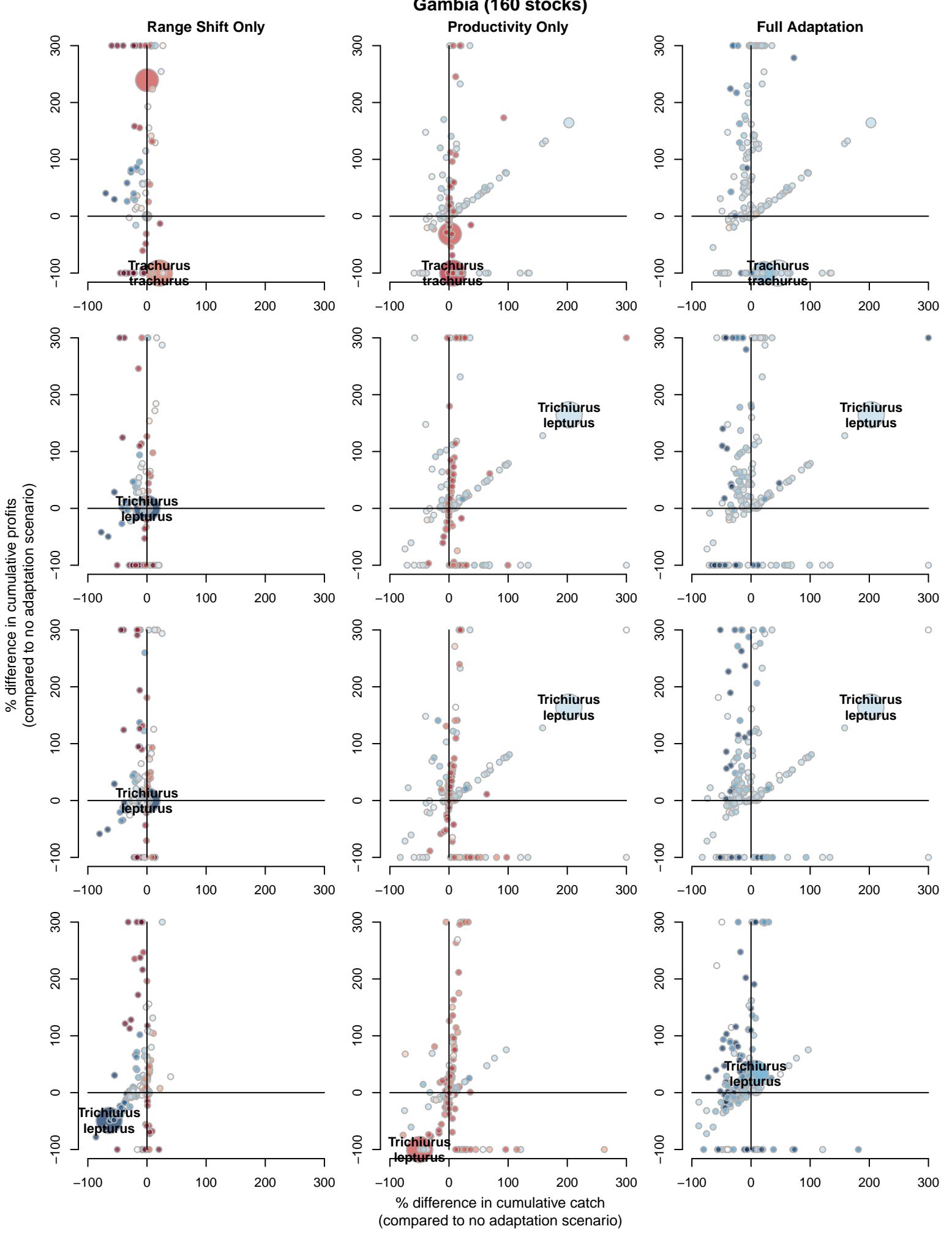


% difference in cumulative catch
(compared to no adaptation scenario)

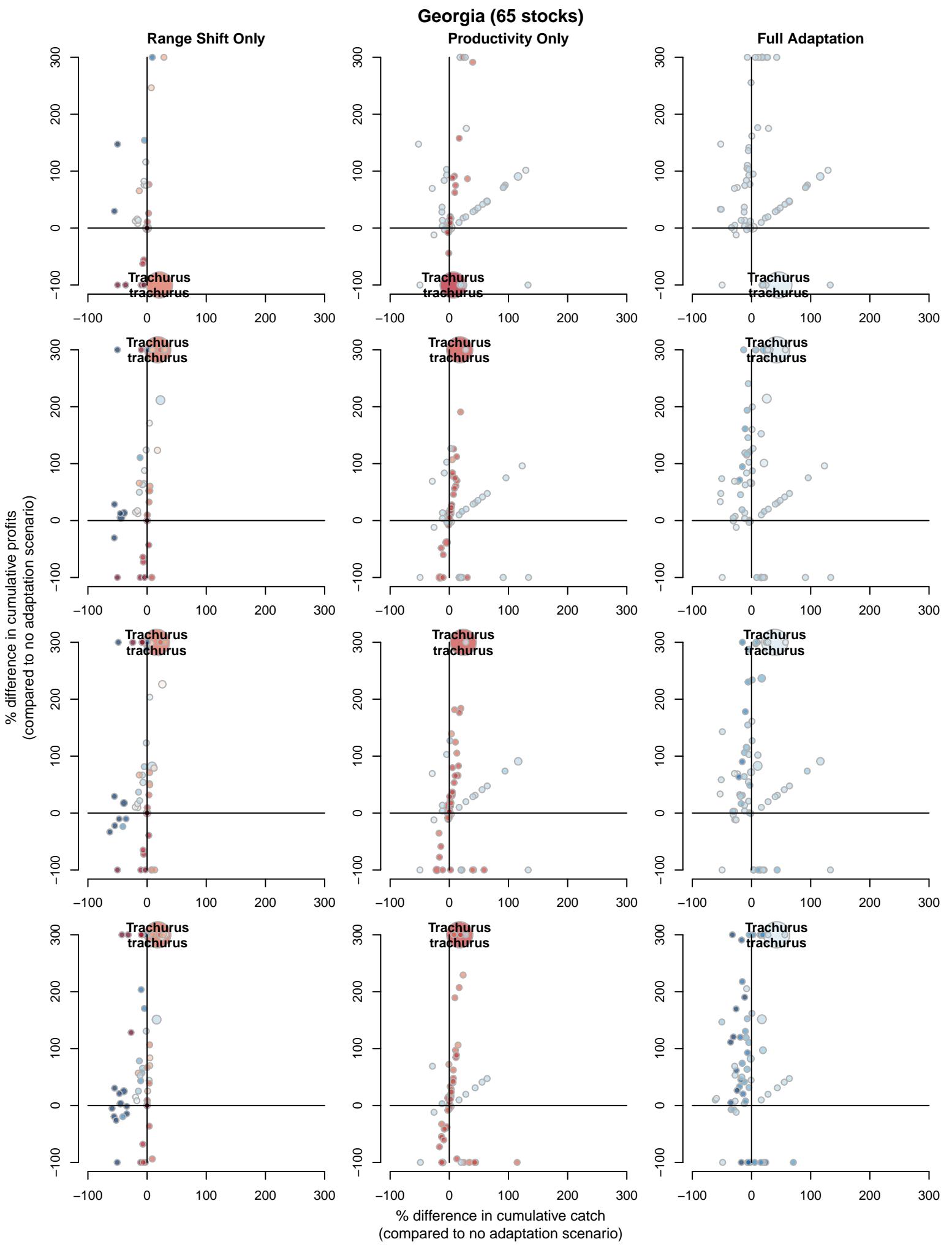
Gabon (145 stocks)



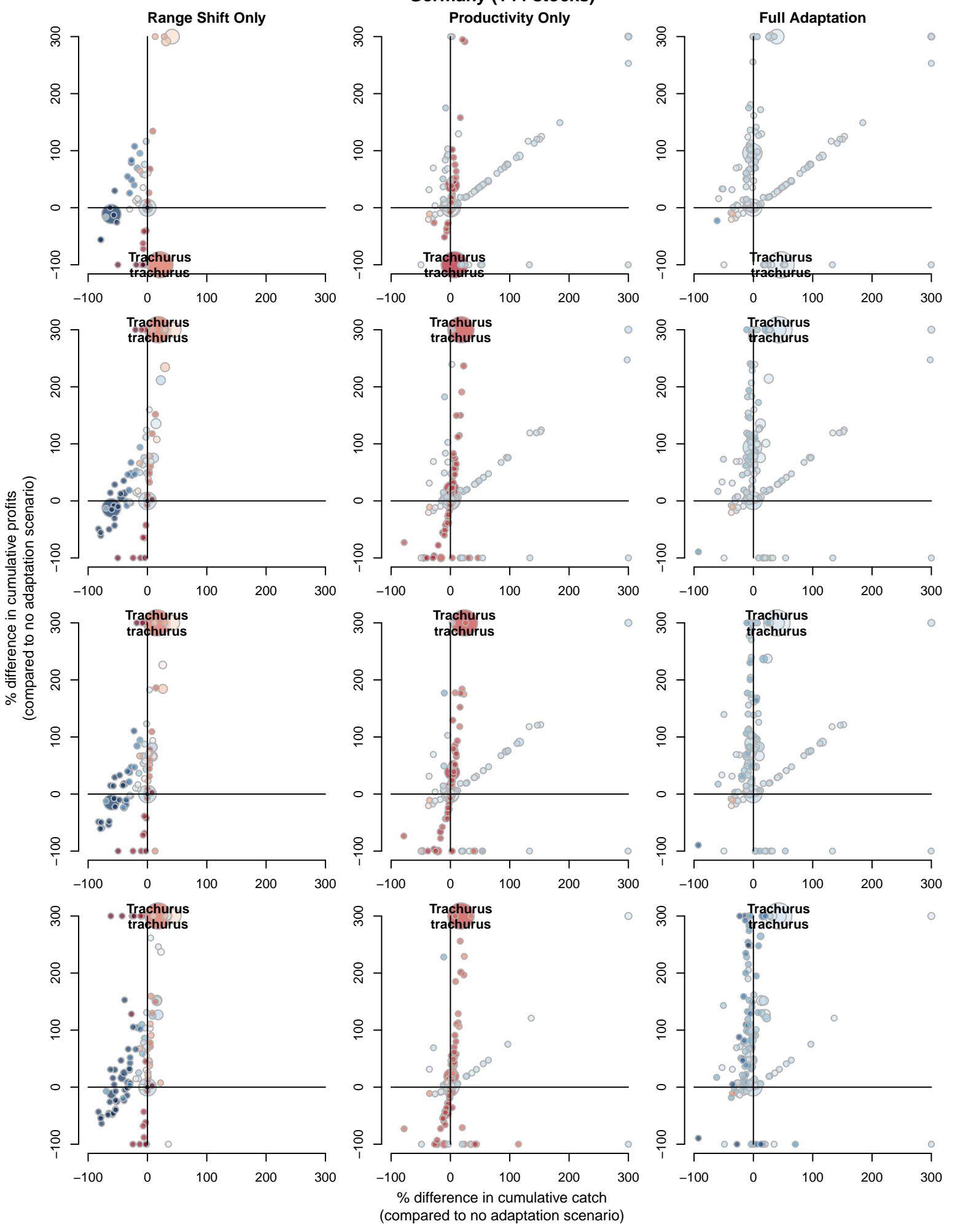
Gambia (160 stocks)



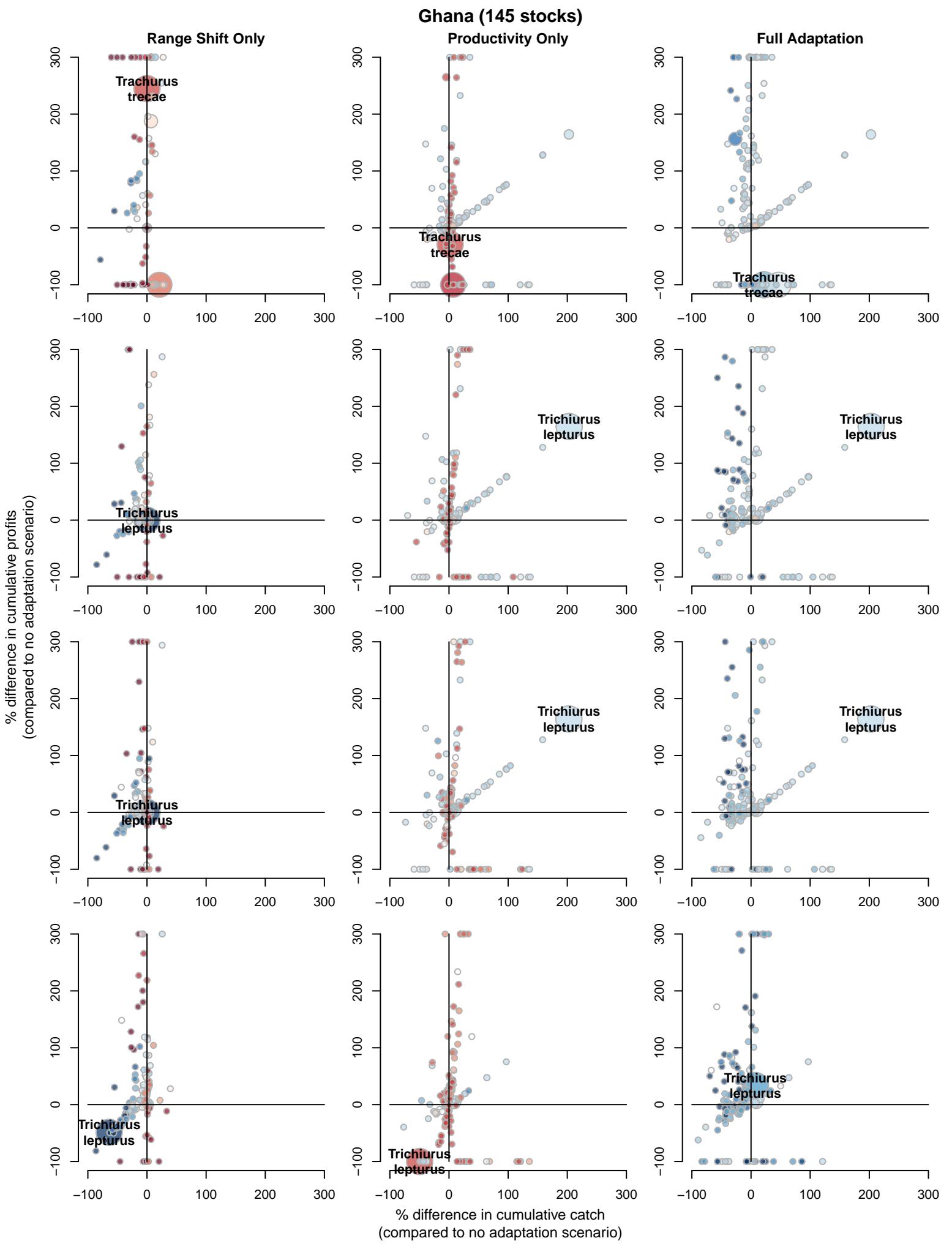
Georgia (65 stocks)



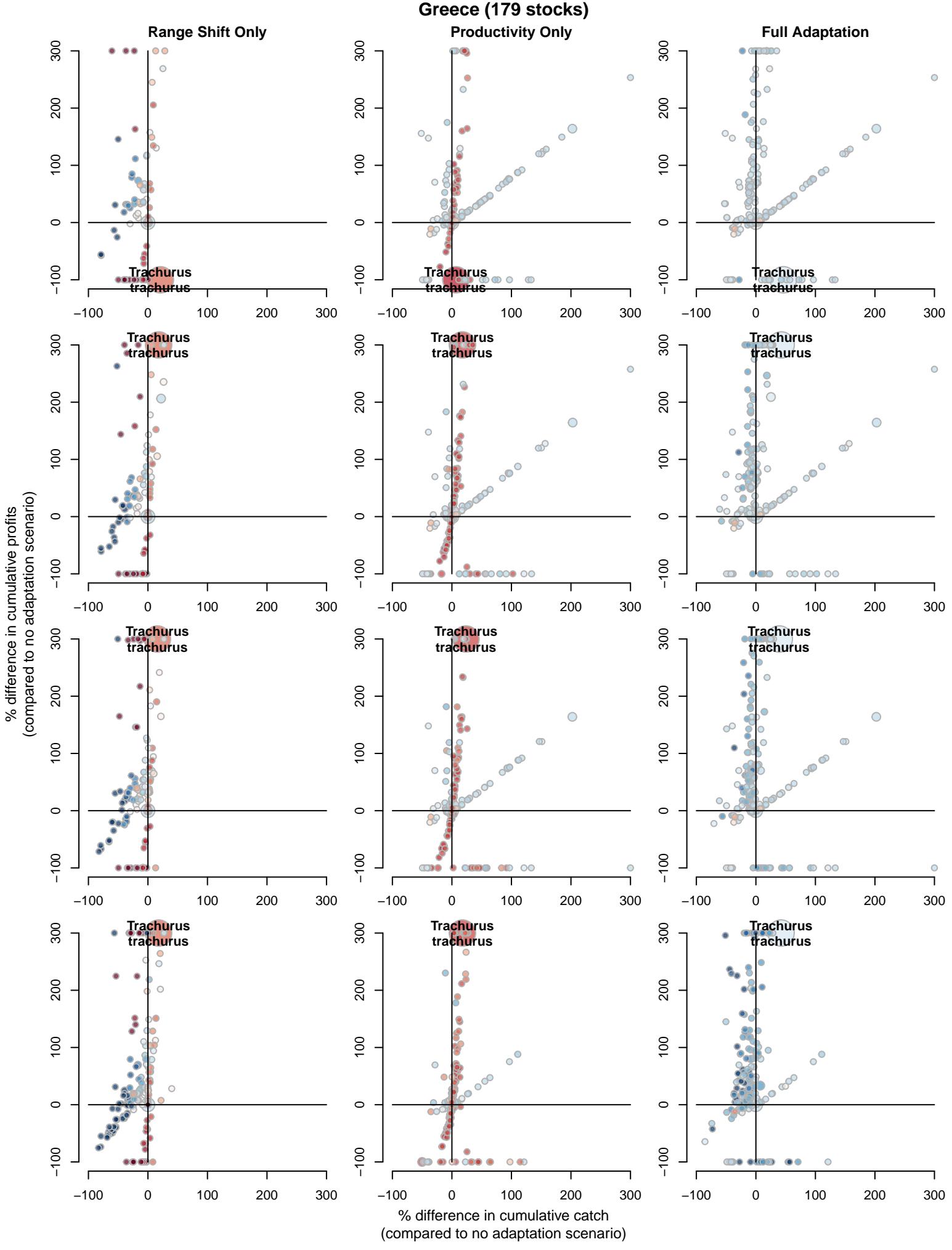
Germany (144 stocks)



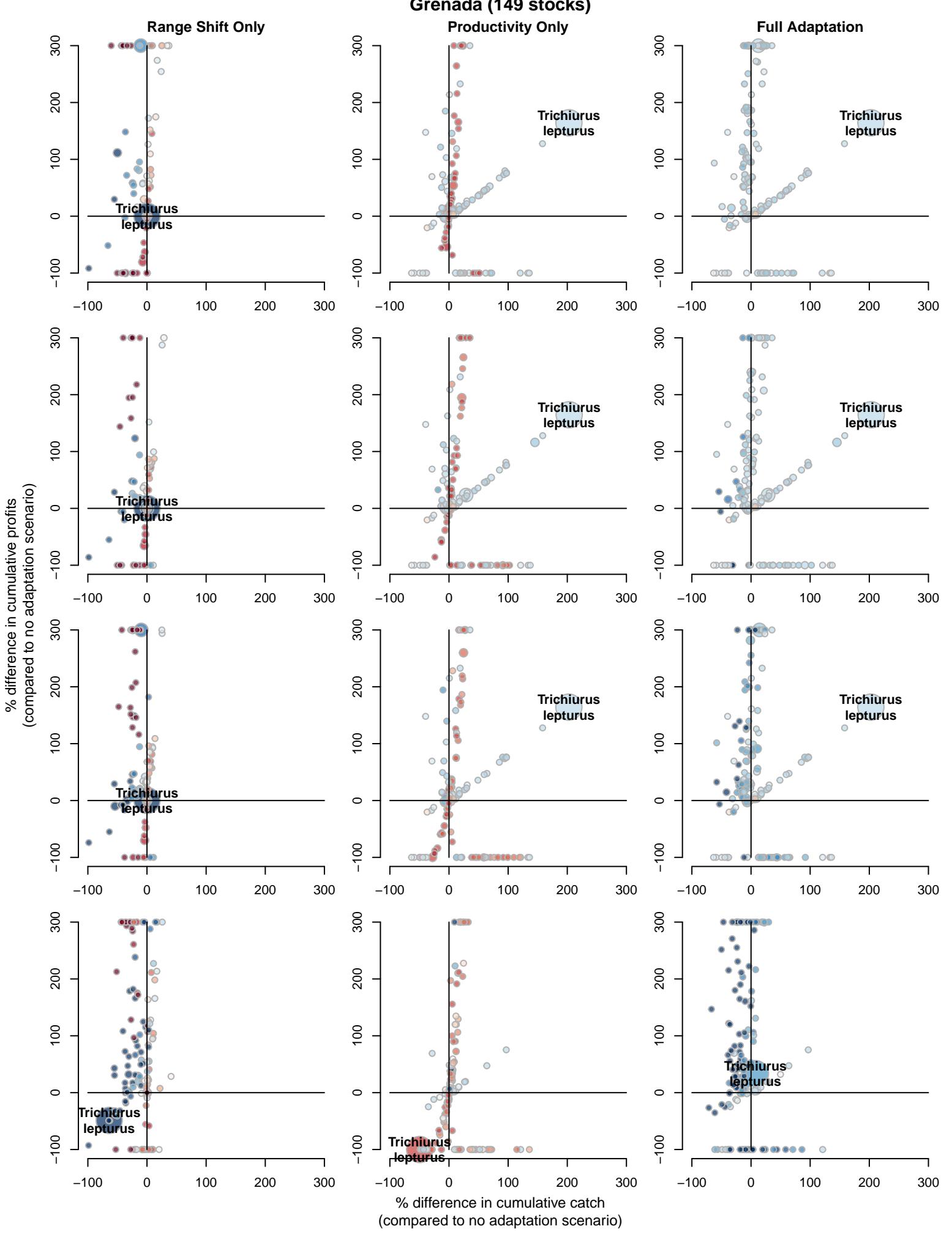
Ghana (145 stocks)



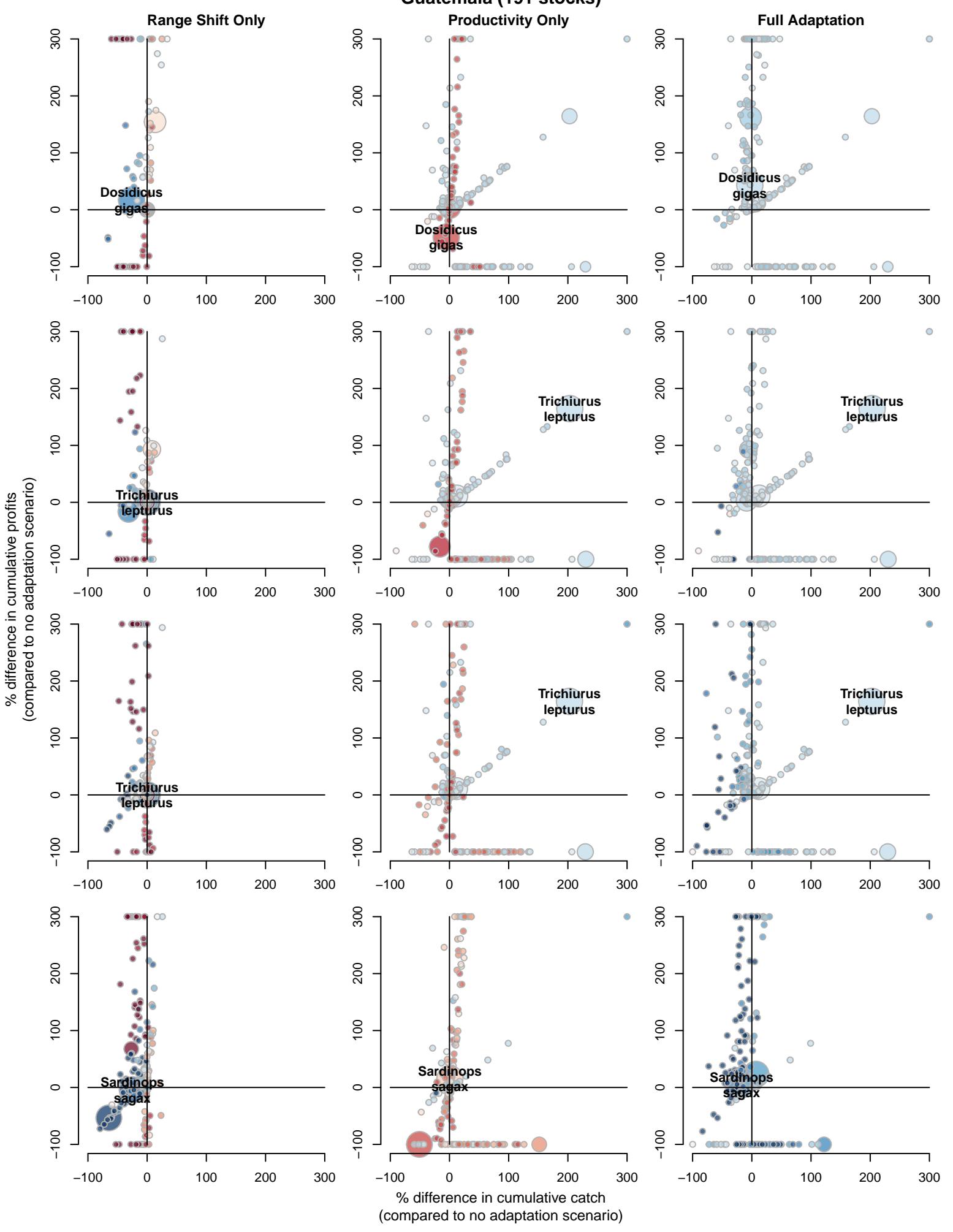
Greece (179 stocks)



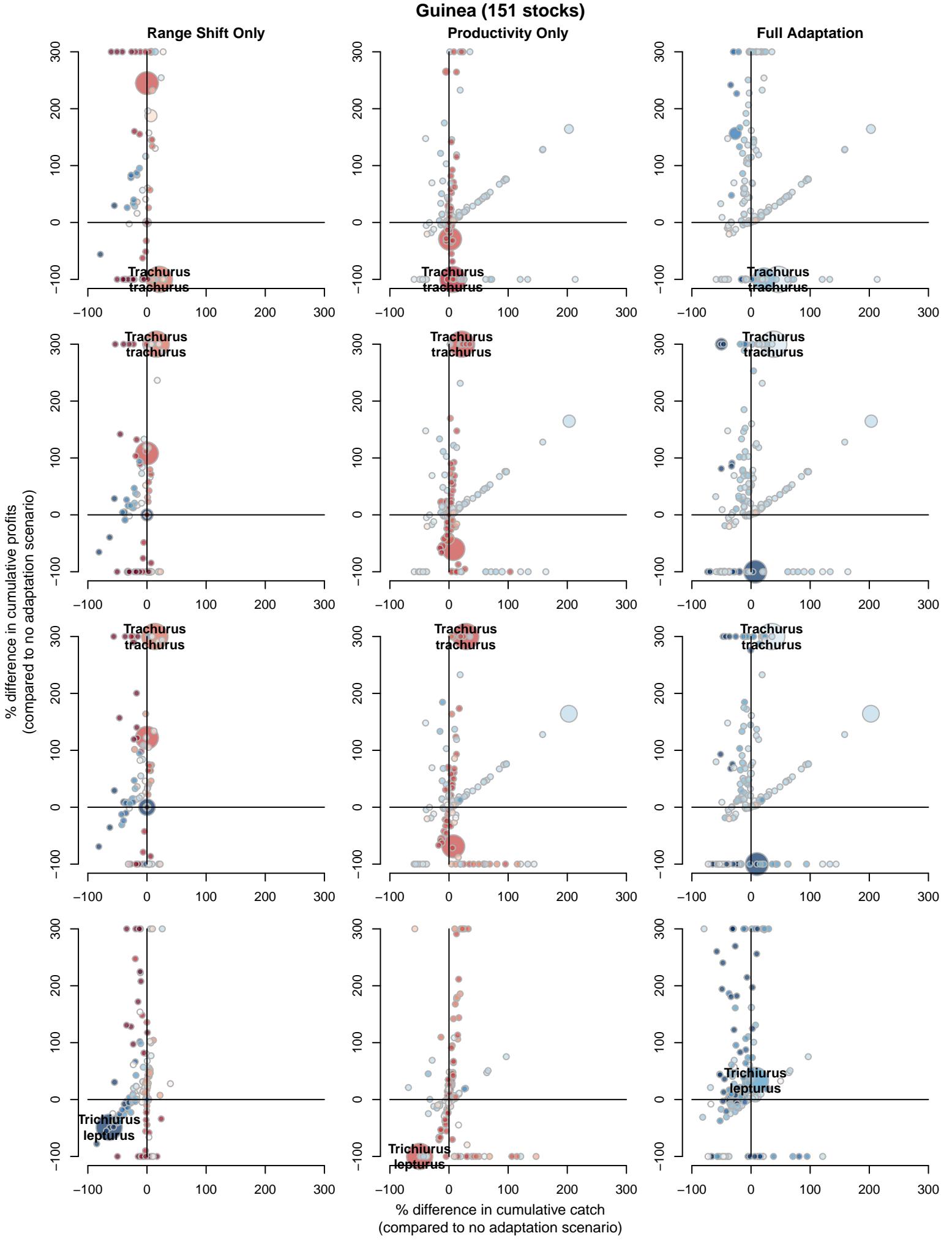
Grenada (149 stocks)



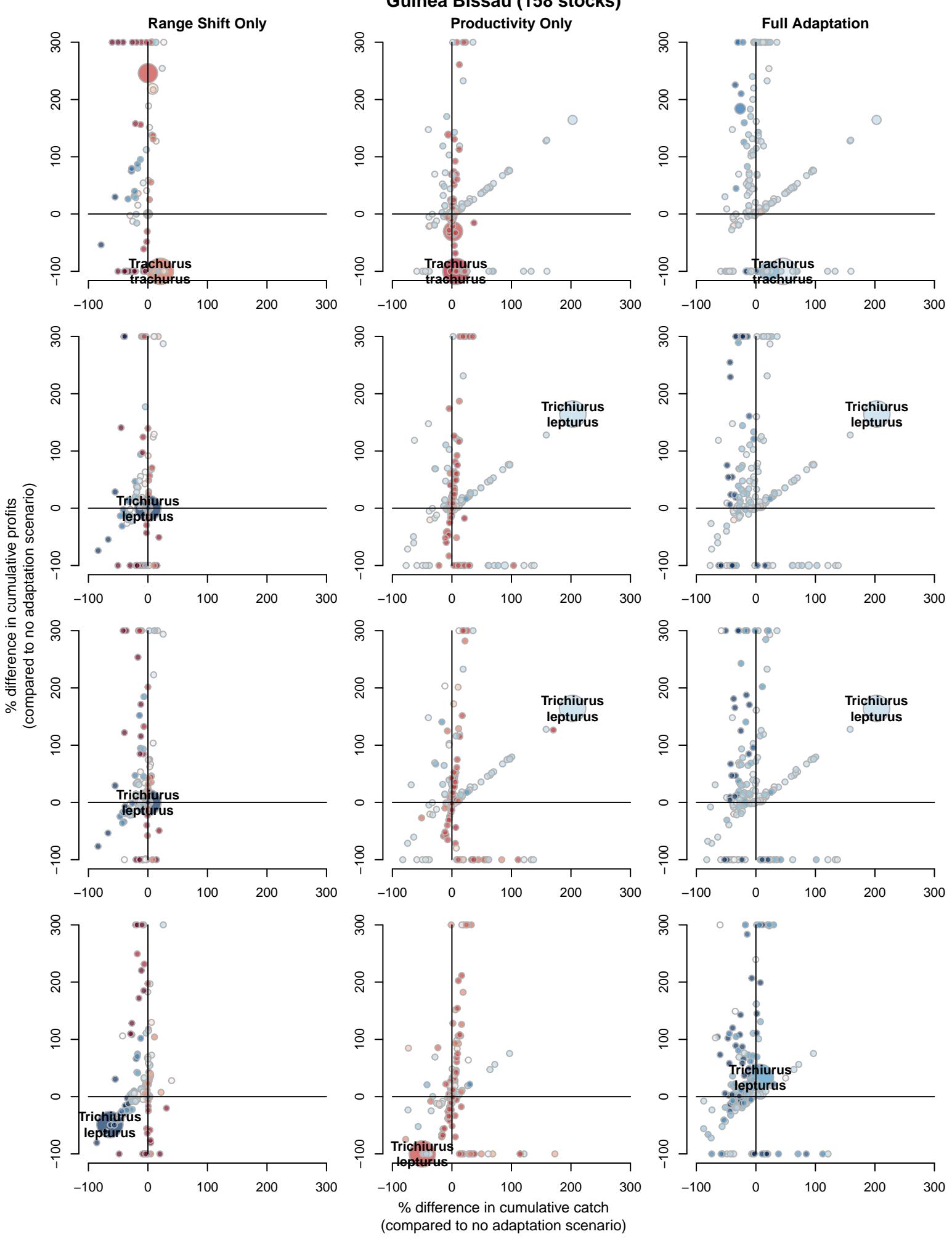
Guatemala (191 stocks)



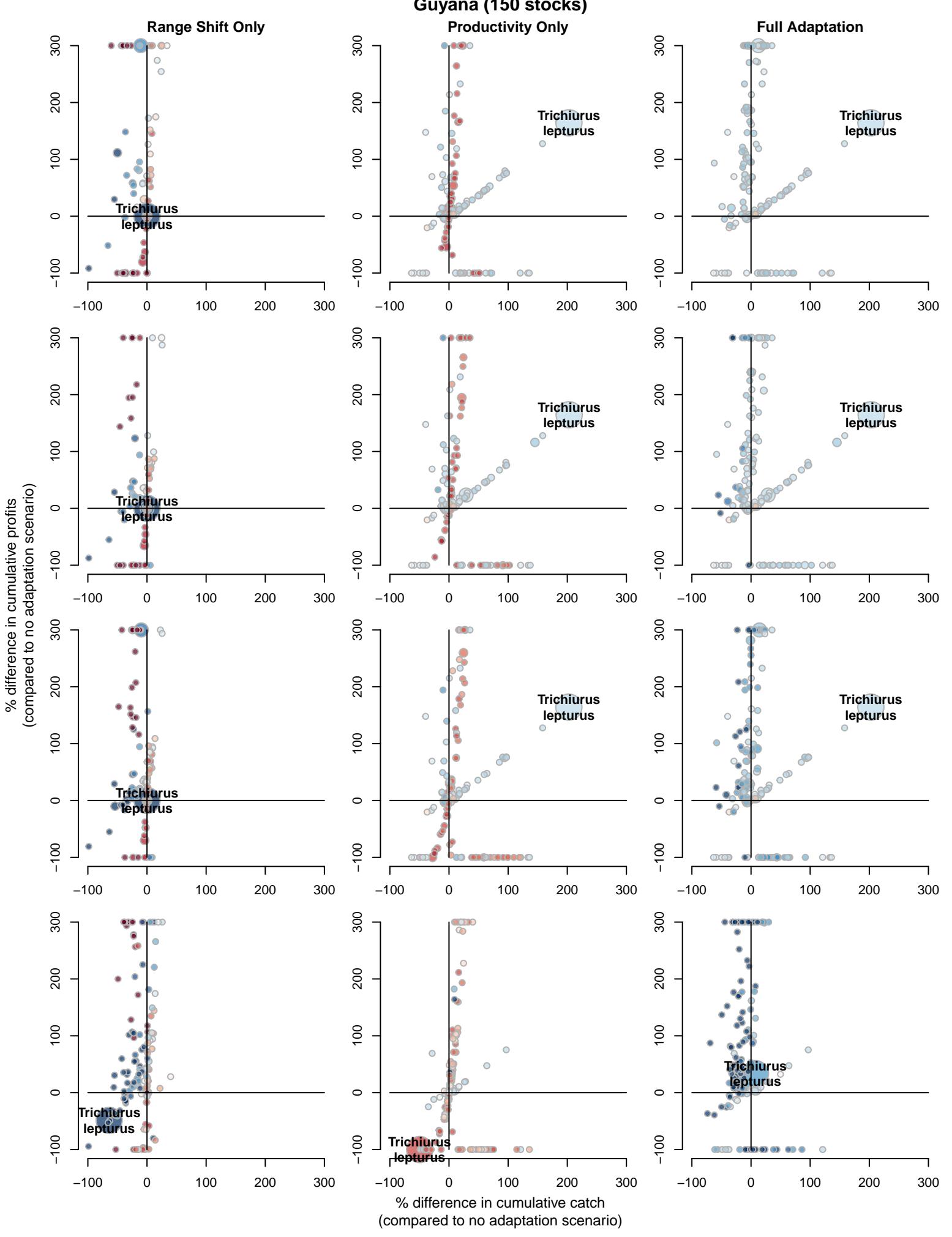
Guinea (151 stocks)



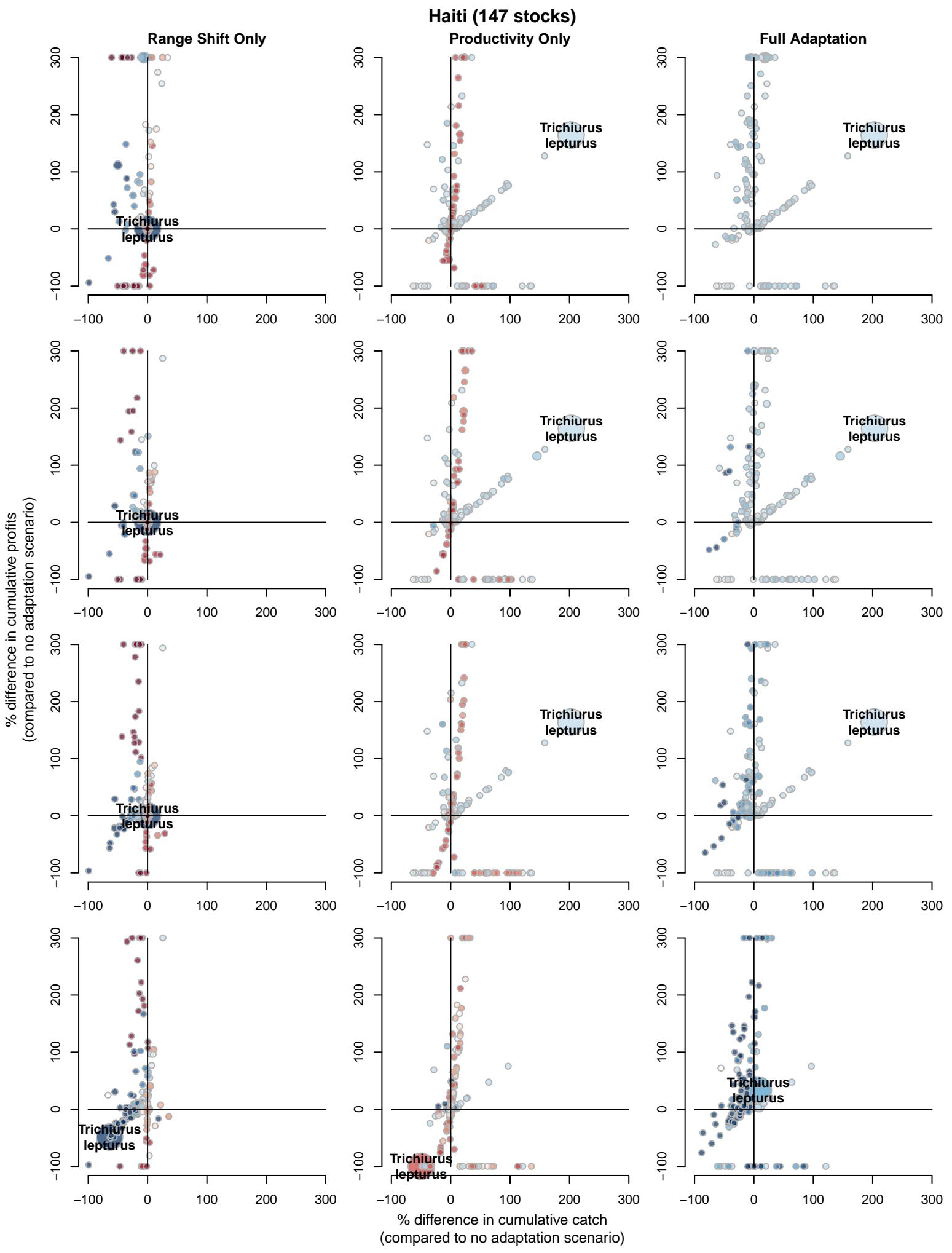
Guinea Bissau (158 stocks)



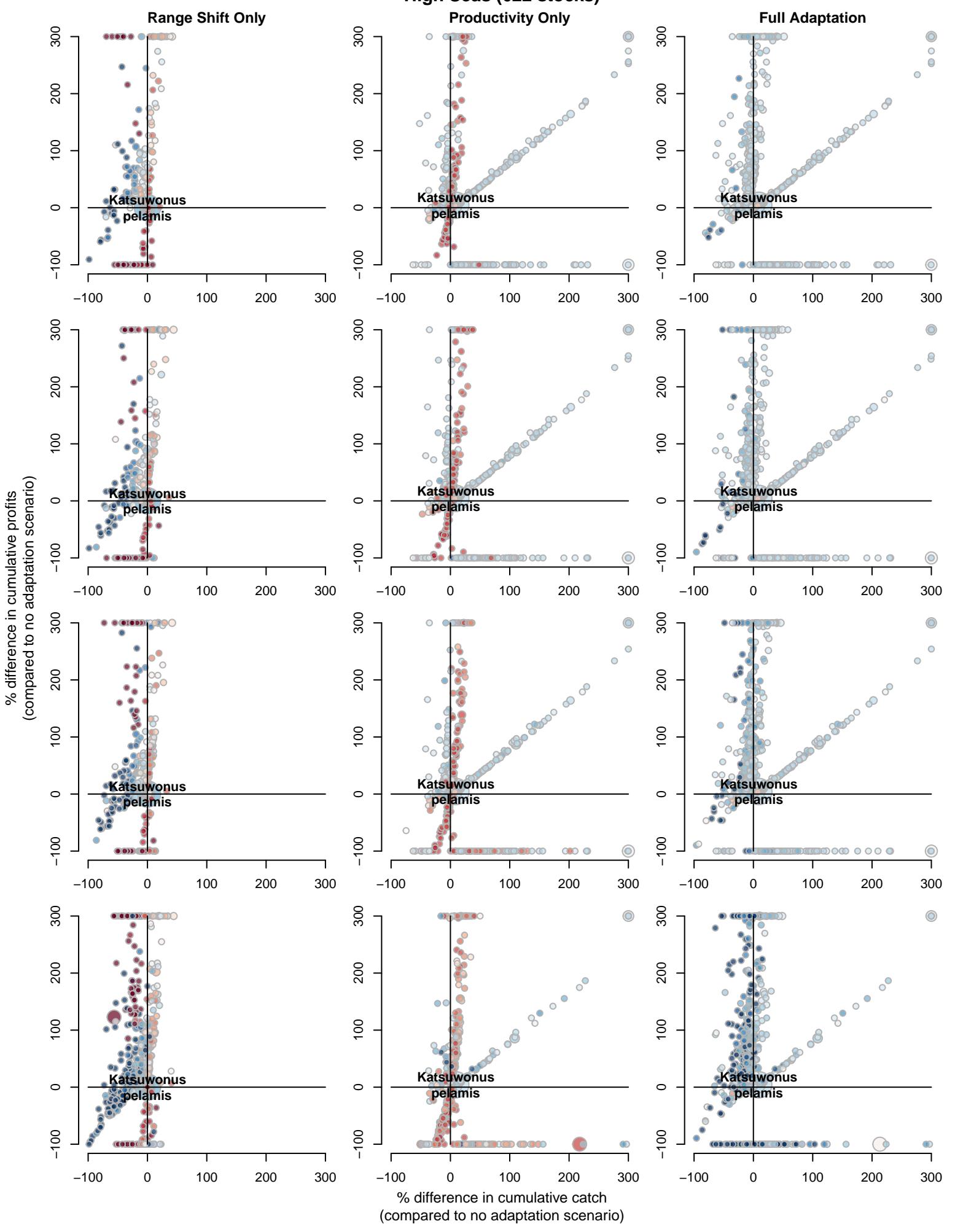
Guyana (150 stocks)

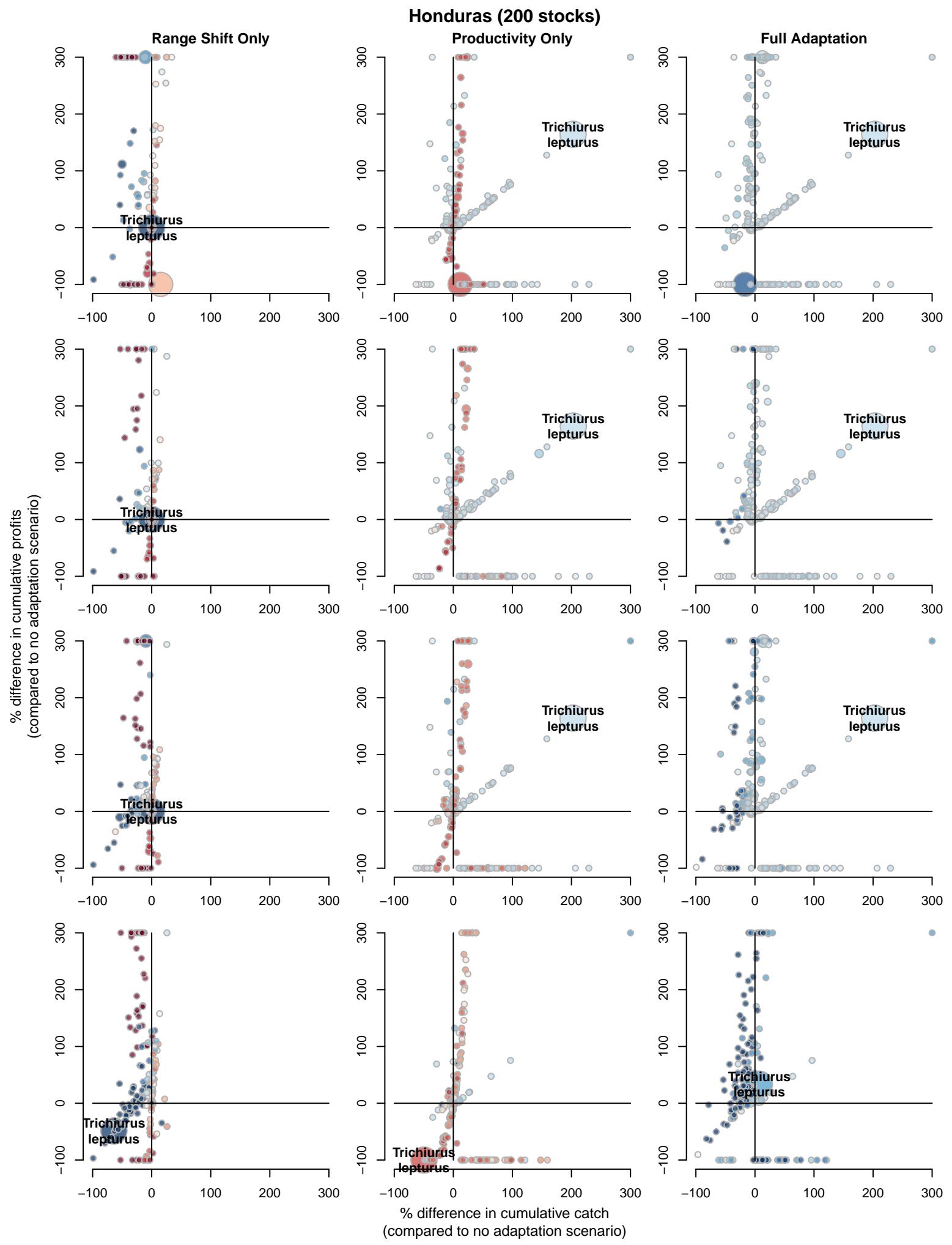


Haiti (147 stocks)

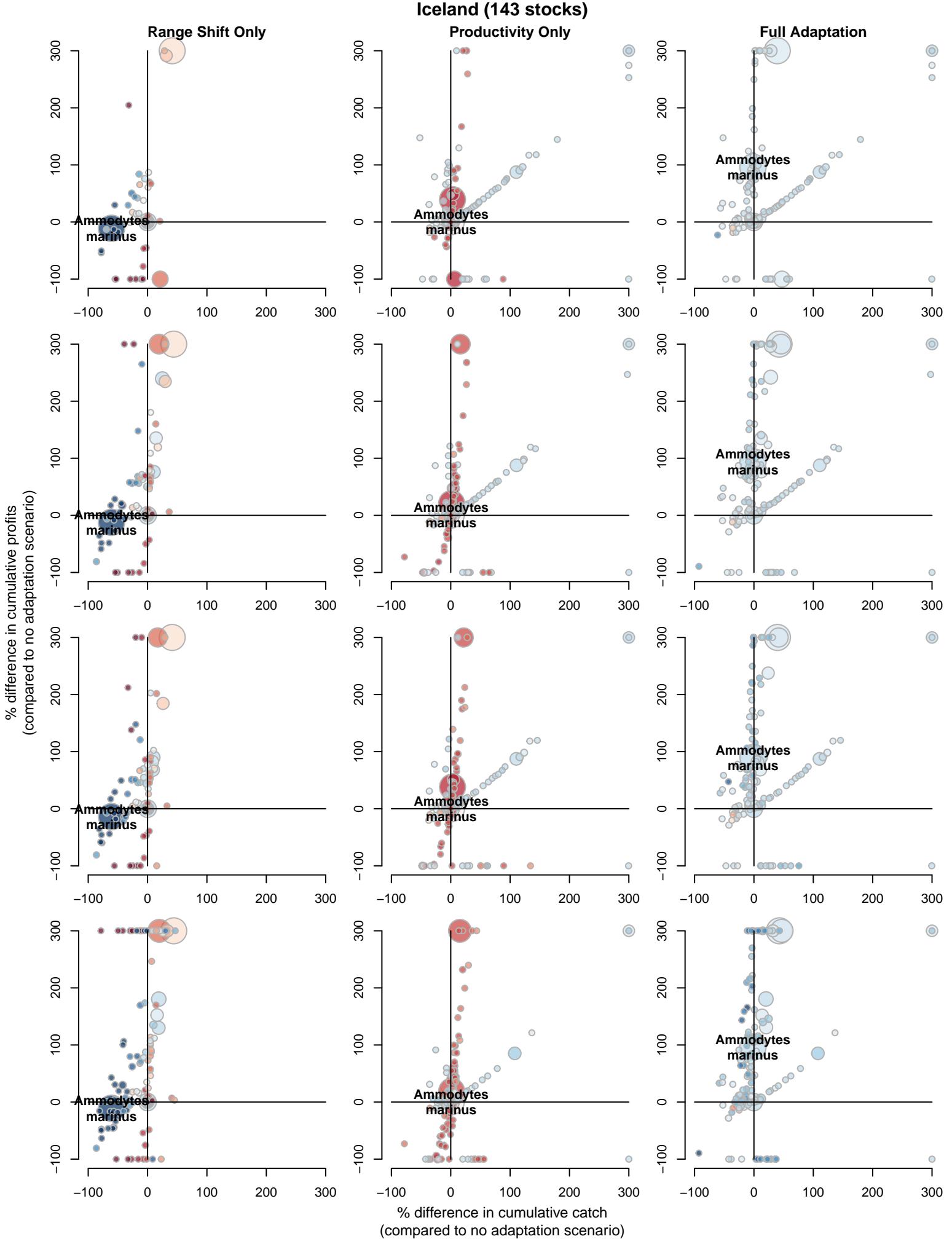


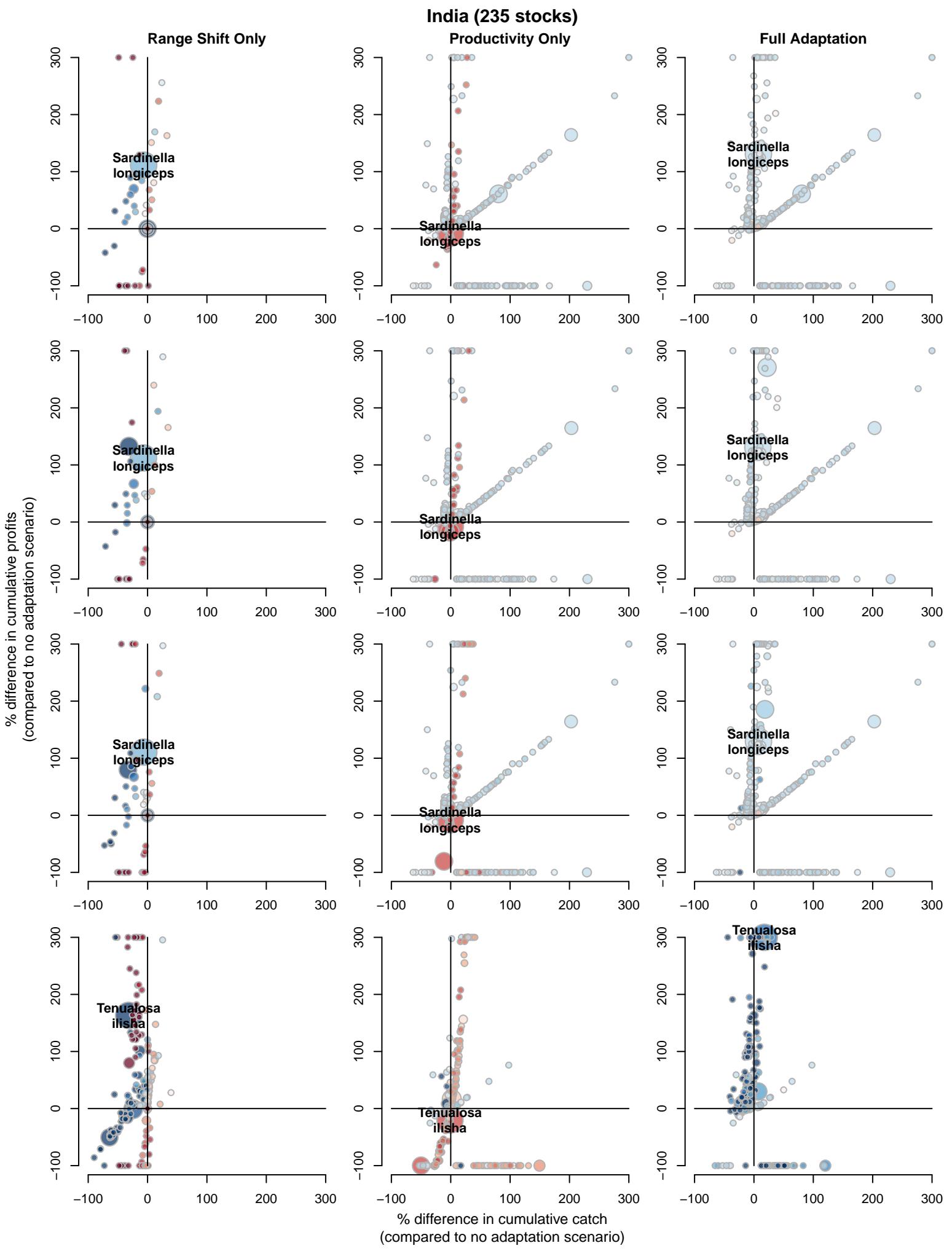
High Seas (622 stocks)



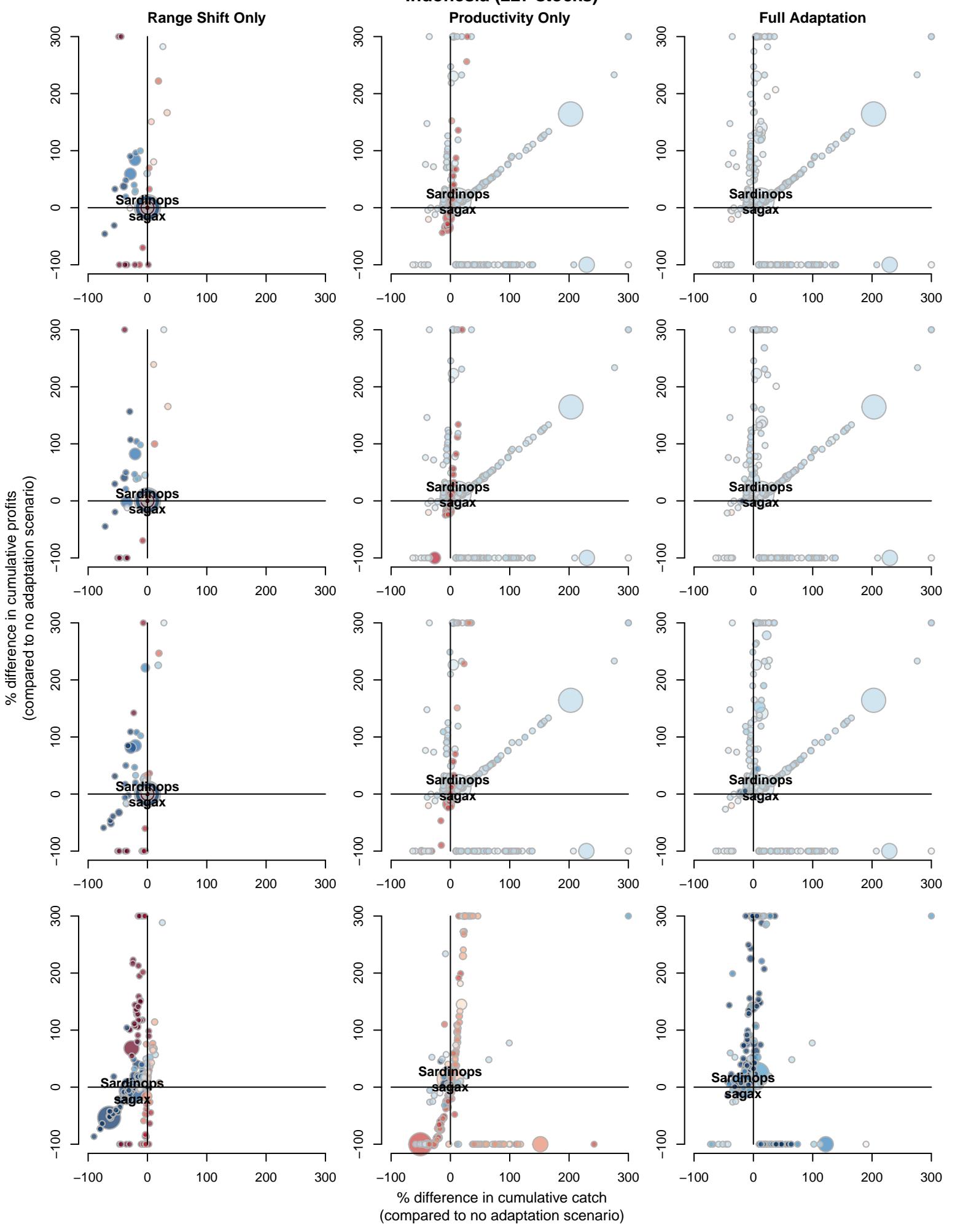


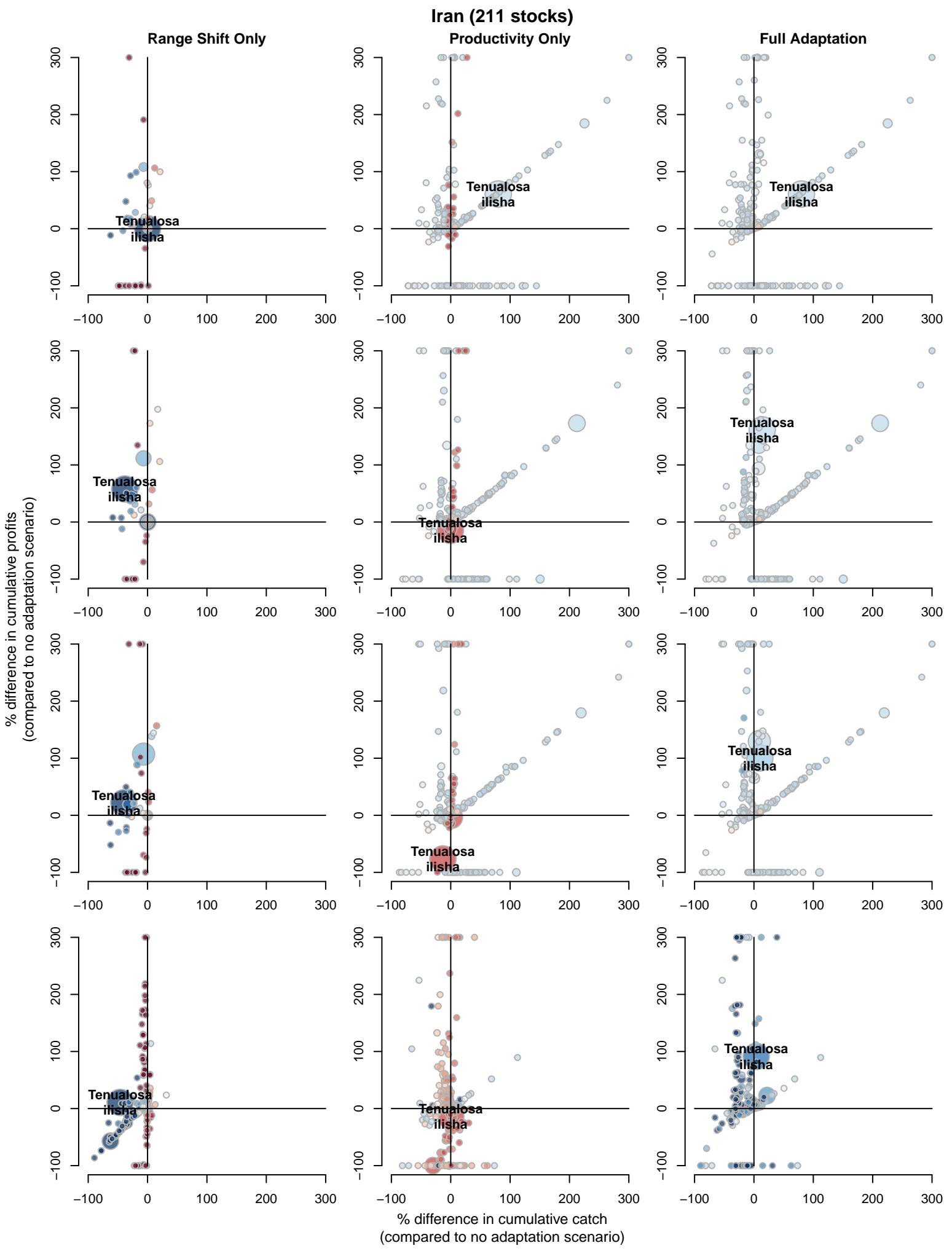
Iceland (143 stocks)

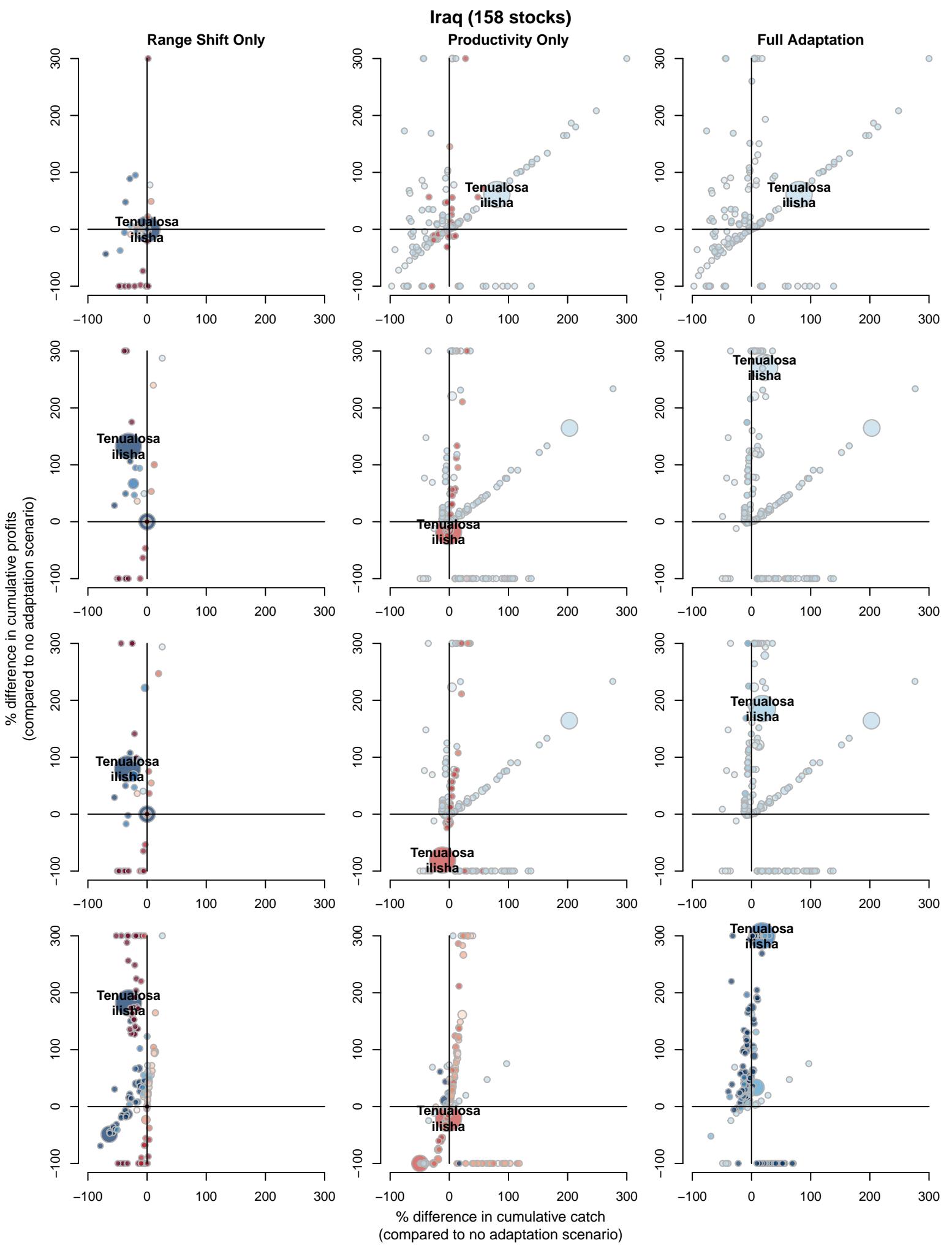




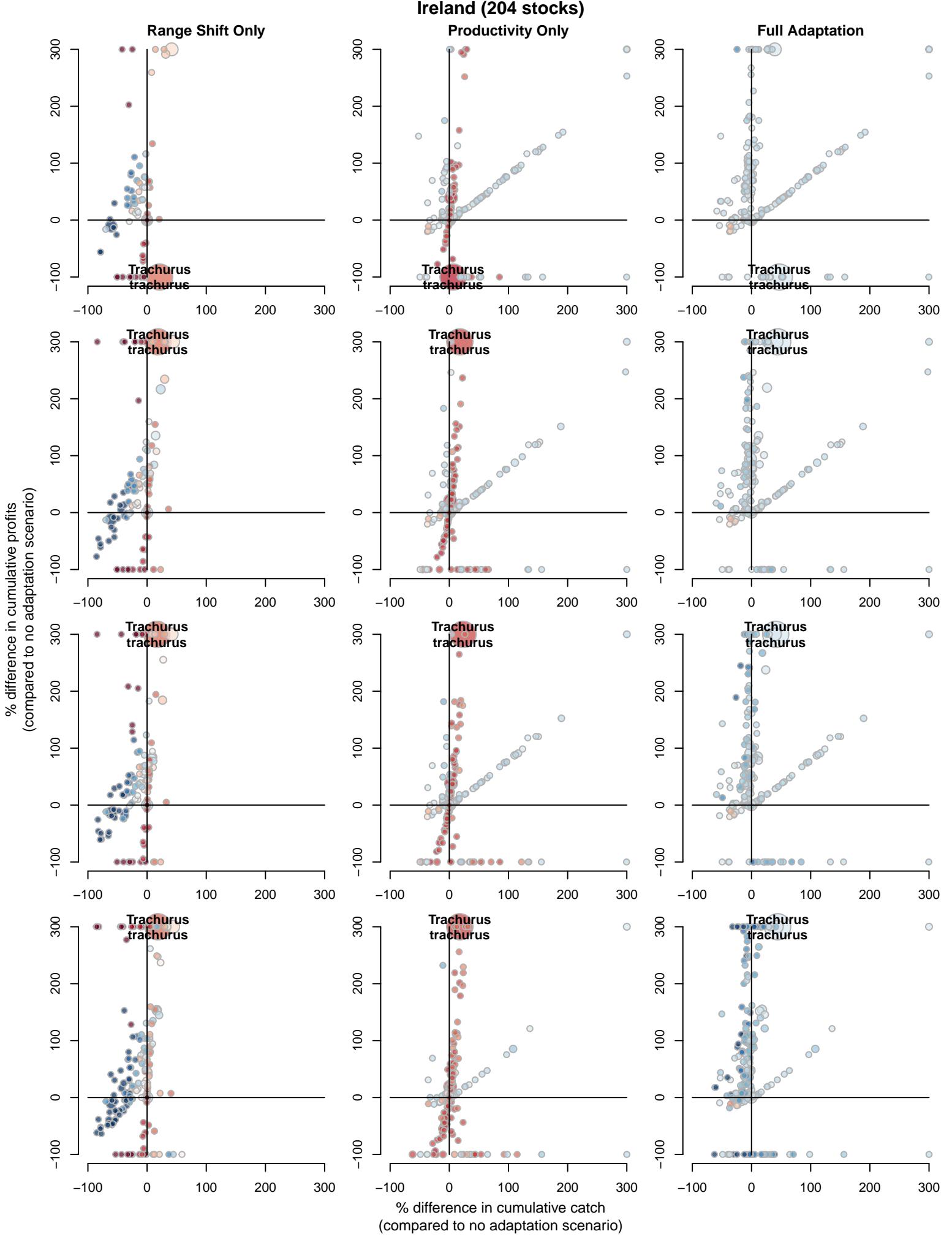
Indonesia (227 stocks)





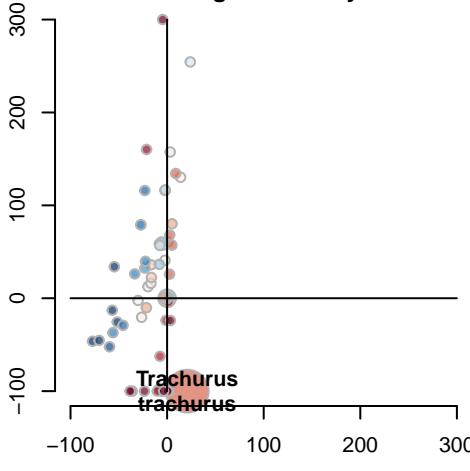


Ireland (204 stocks)

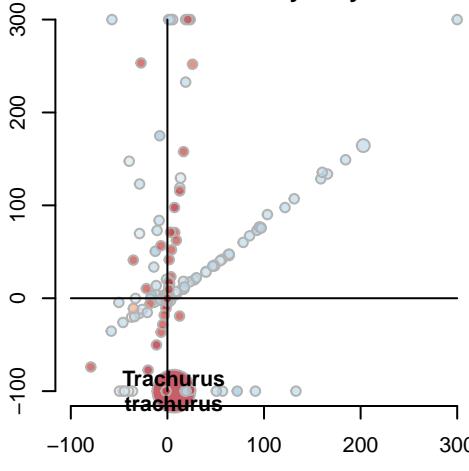


Israel (144 stocks)

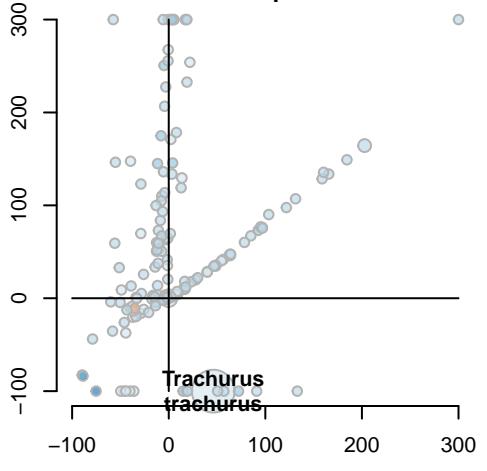
Range Shift Only



Productivity Only



Full Adaptation



% difference in cumulative profits
(compared to no adaptation scenario)

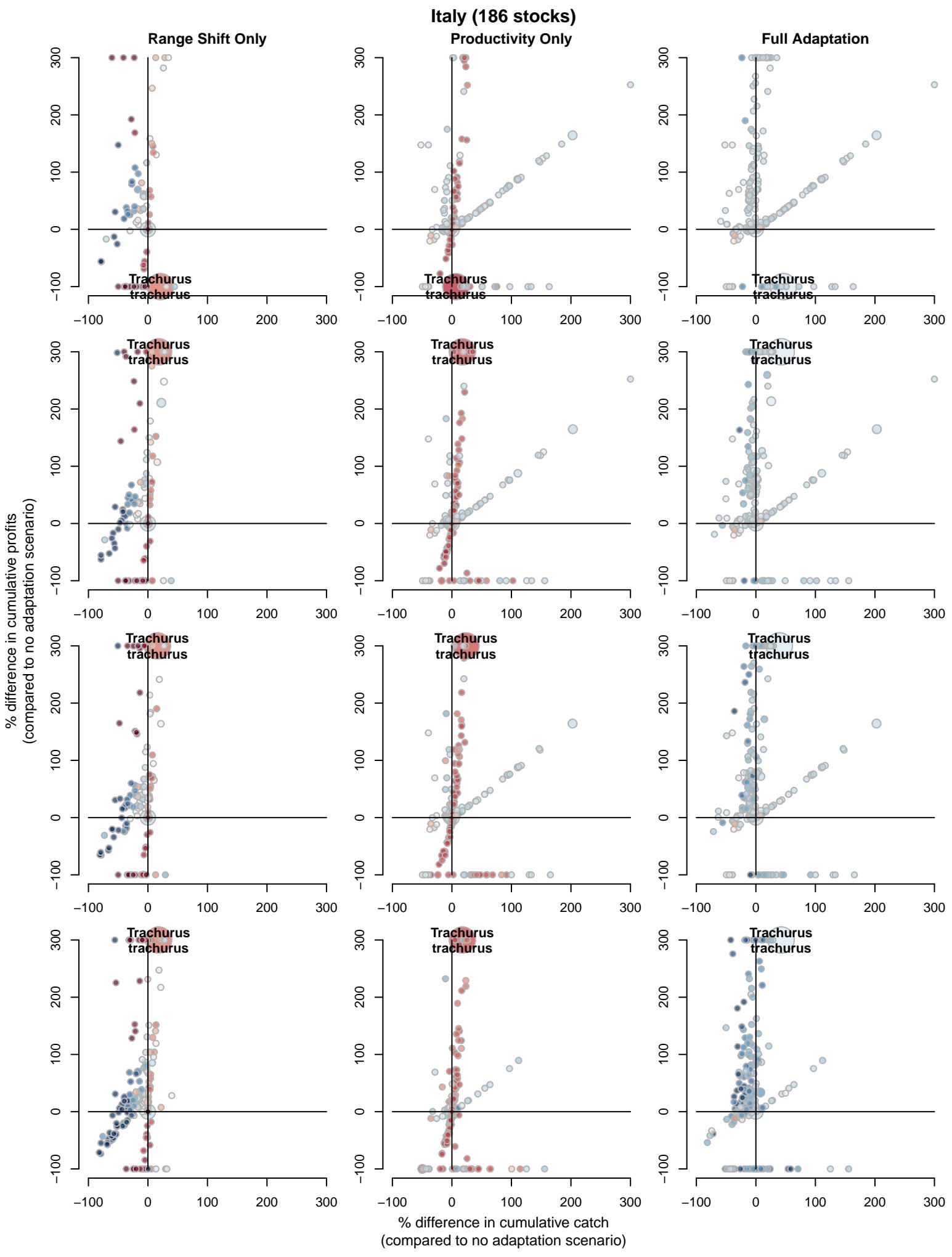
Trachurus
trachurus

Trachurus
trachurus

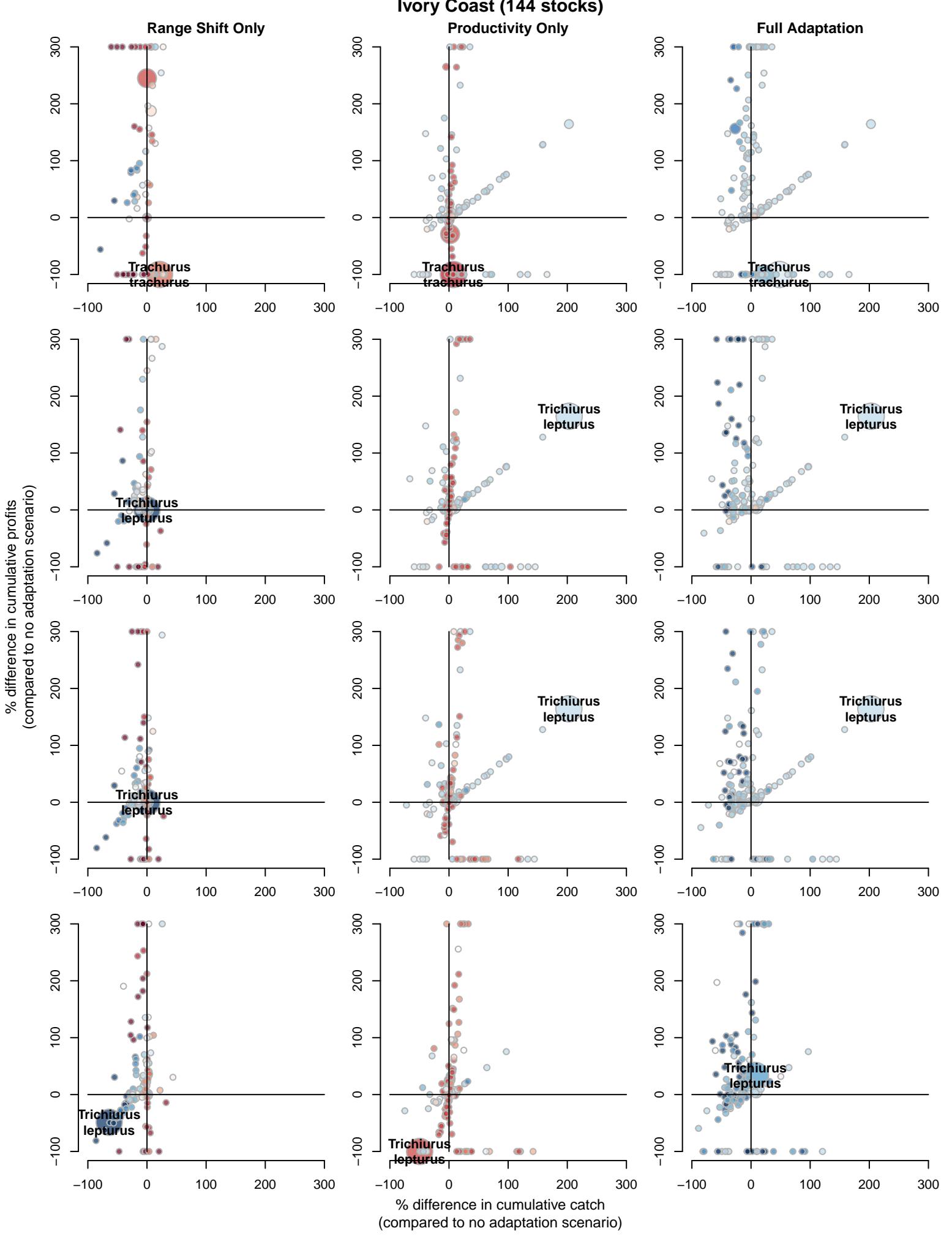
Trachurus
trachurus

% difference in cumulative catch
(compared to no adaptation scenario)

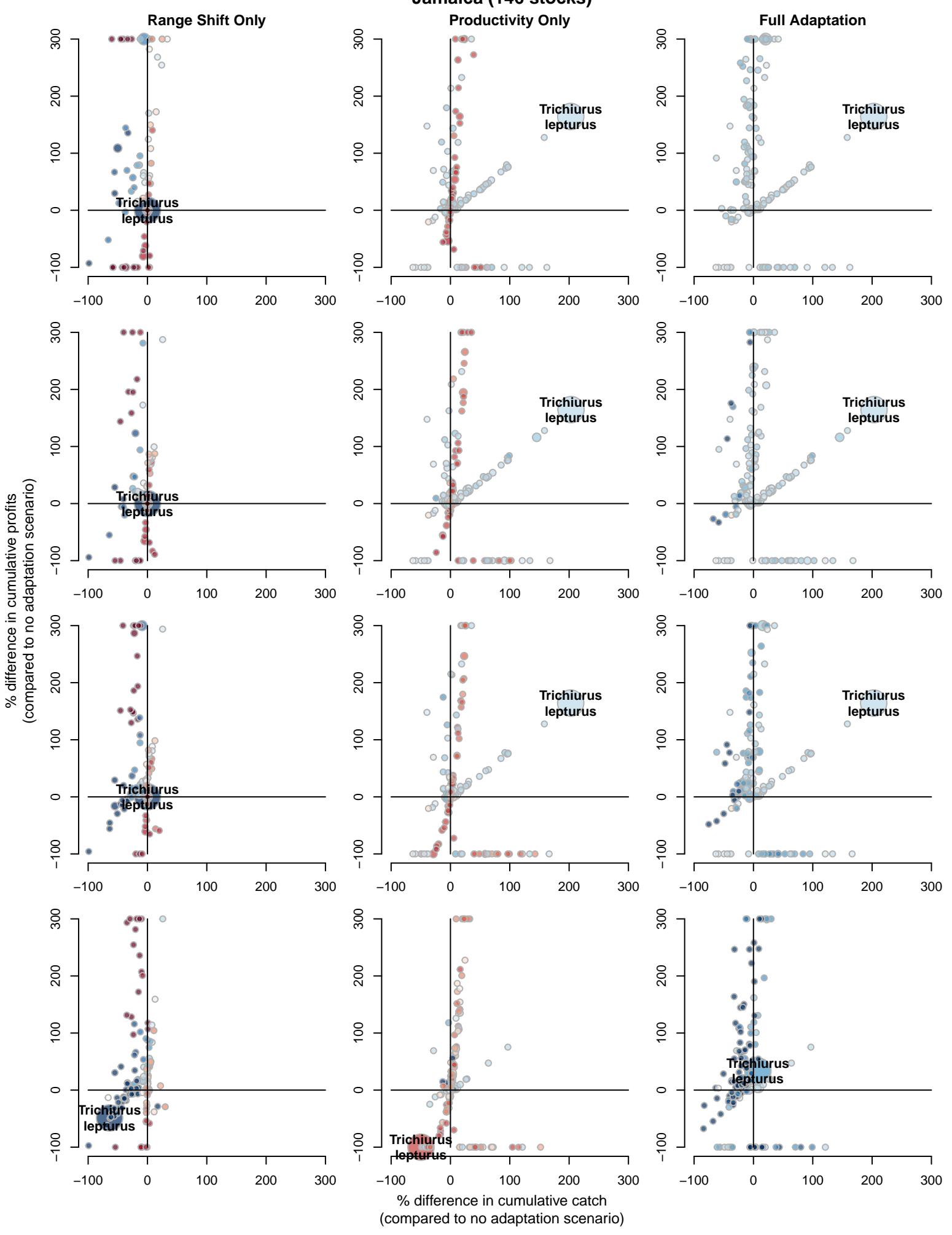
Italy (186 stocks)



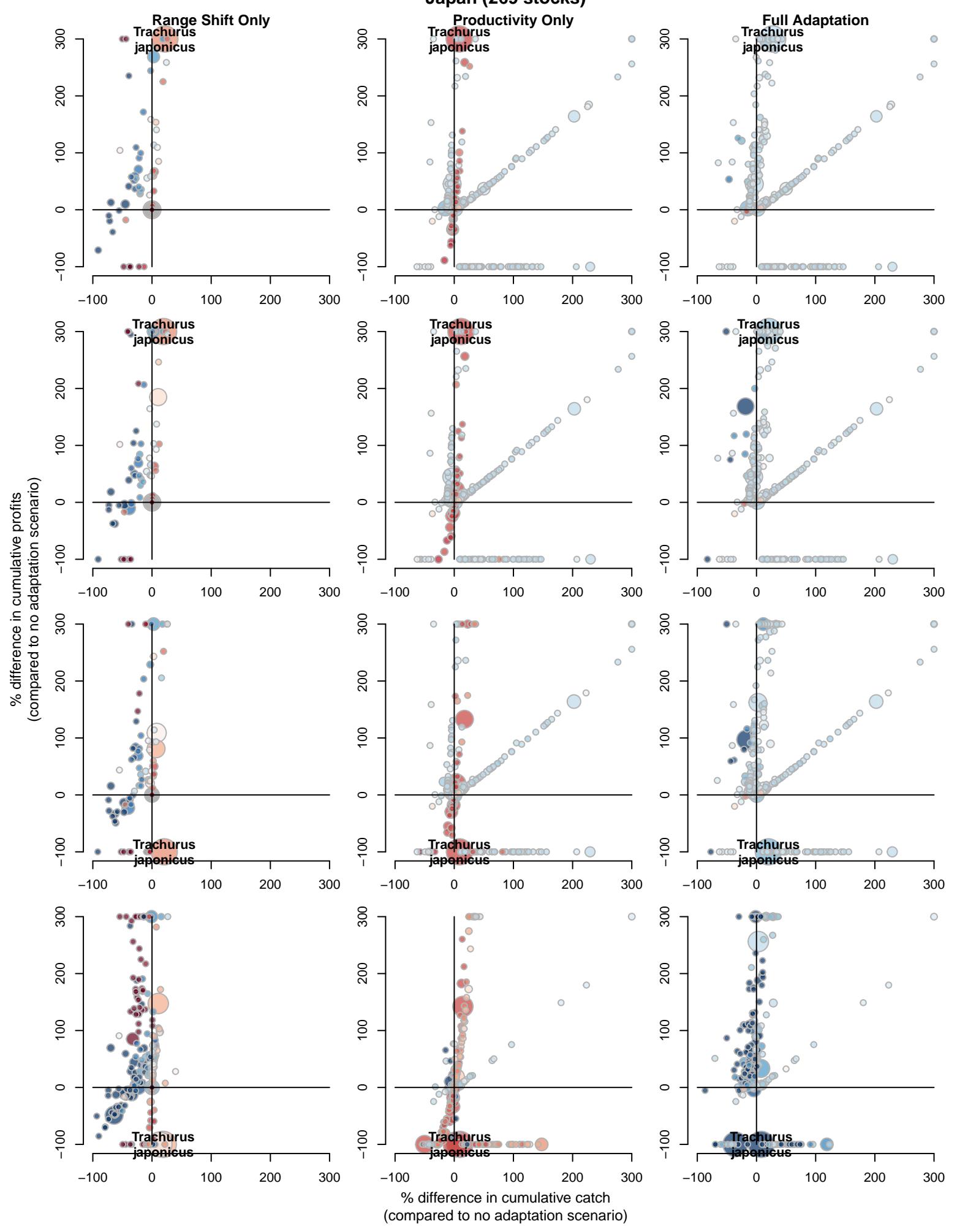
Ivory Coast (144 stocks)



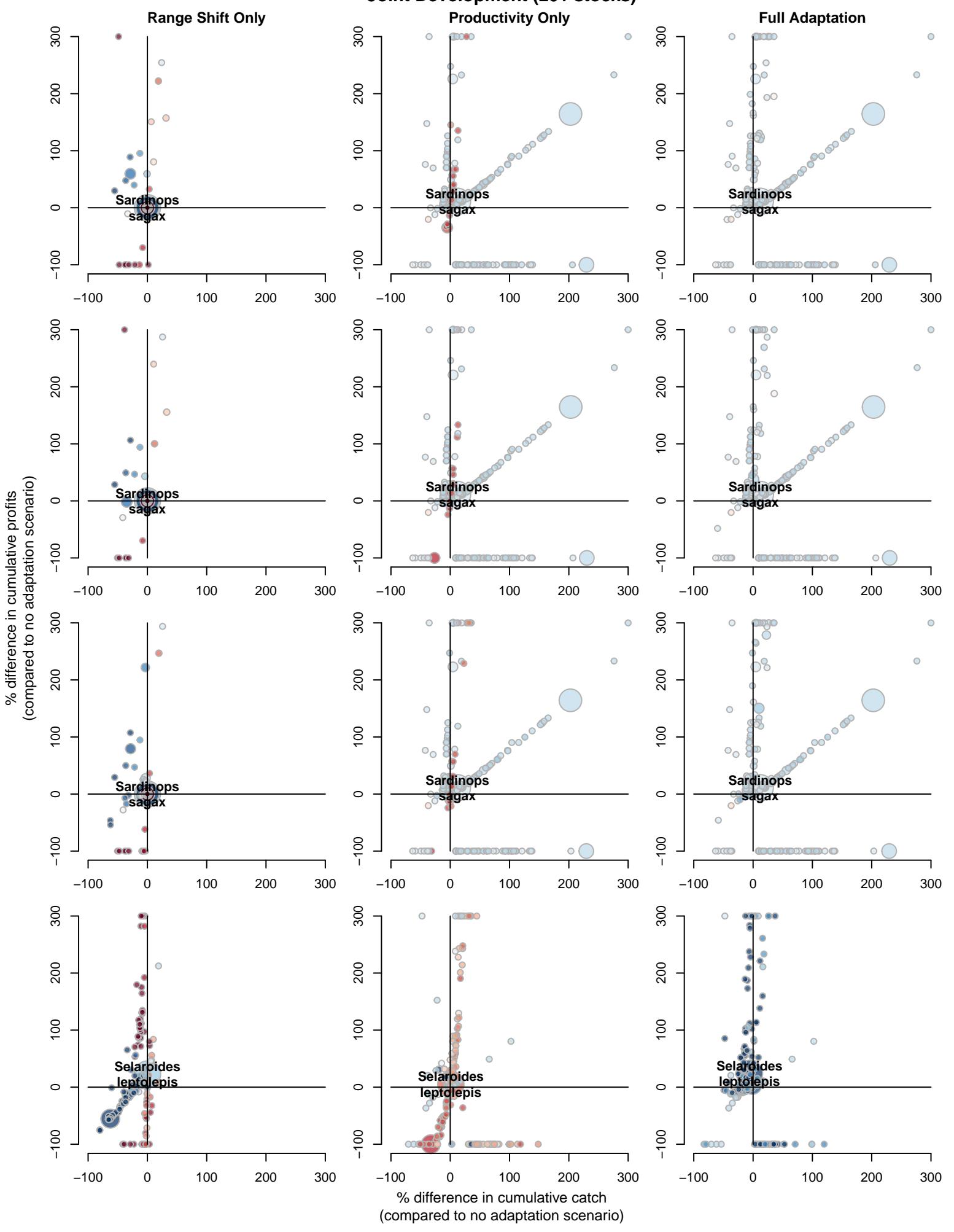
Jamaica (146 stocks)



Japan (269 stocks)

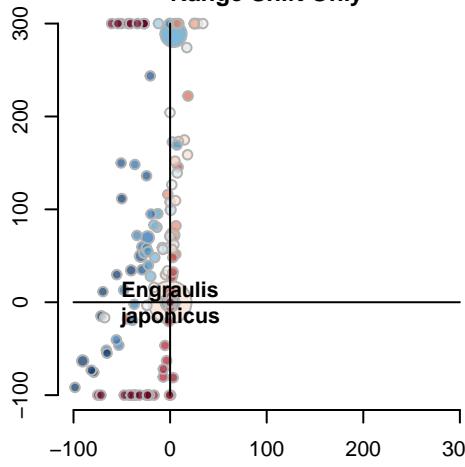


Joint Development (201 stocks)

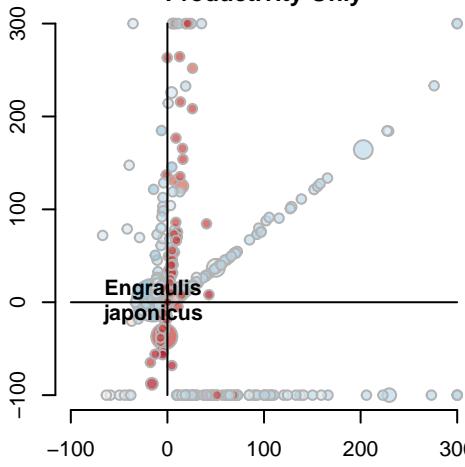


Joint Regime (345 stocks)

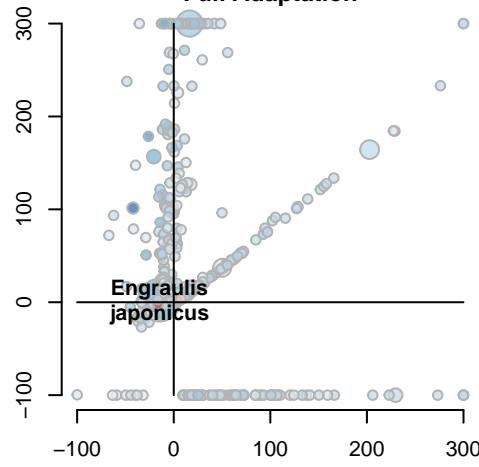
Range Shift Only



Productivity Only

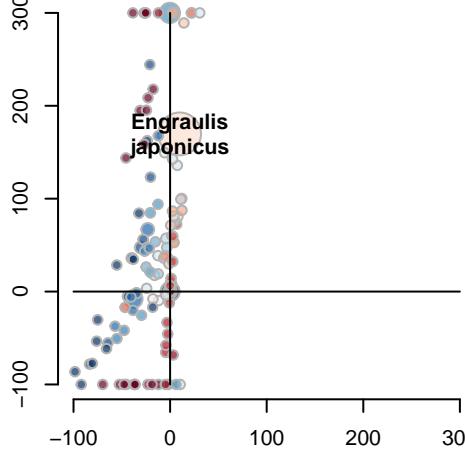


Full Adaptation

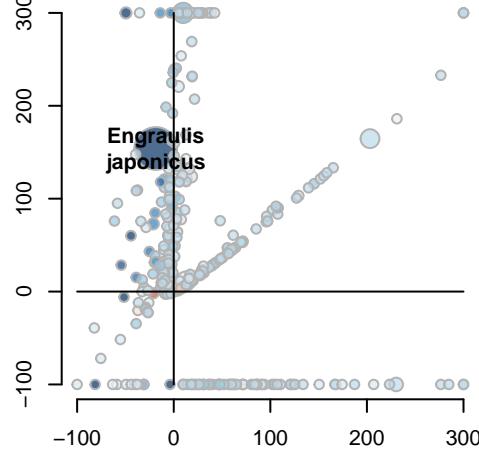


% difference in cumulative profits
(compared to no adaptation scenario)

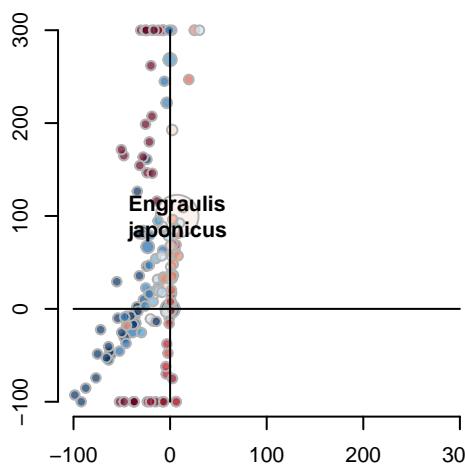
Engraulis japonicus



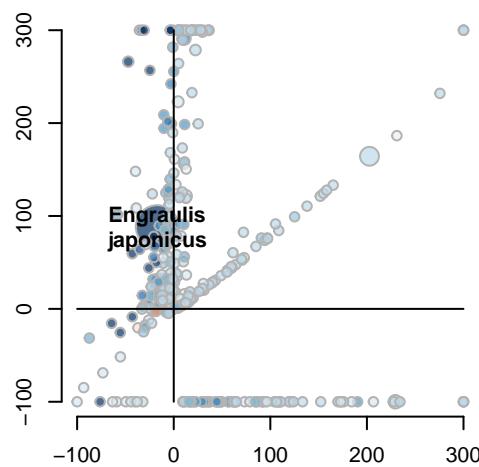
Engraulis japonicus



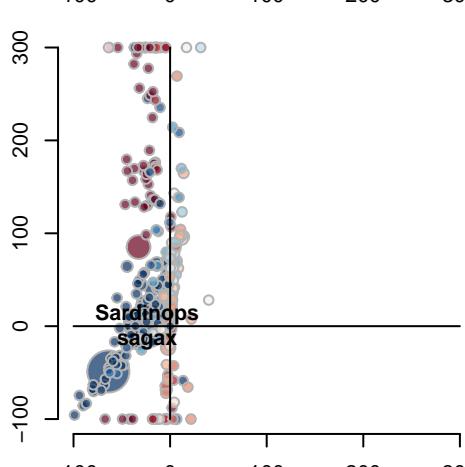
Engraulis japonicus



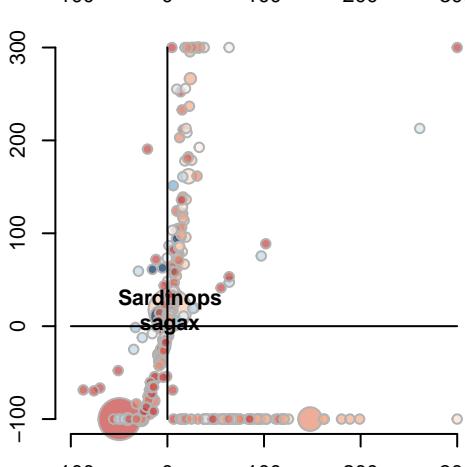
Engraulis japonicus



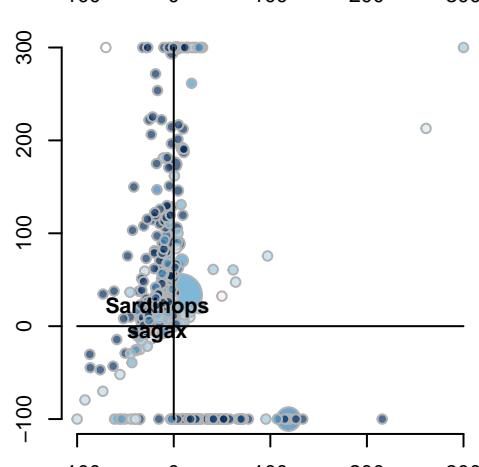
Engraulis japonicus



Sardinops sagax



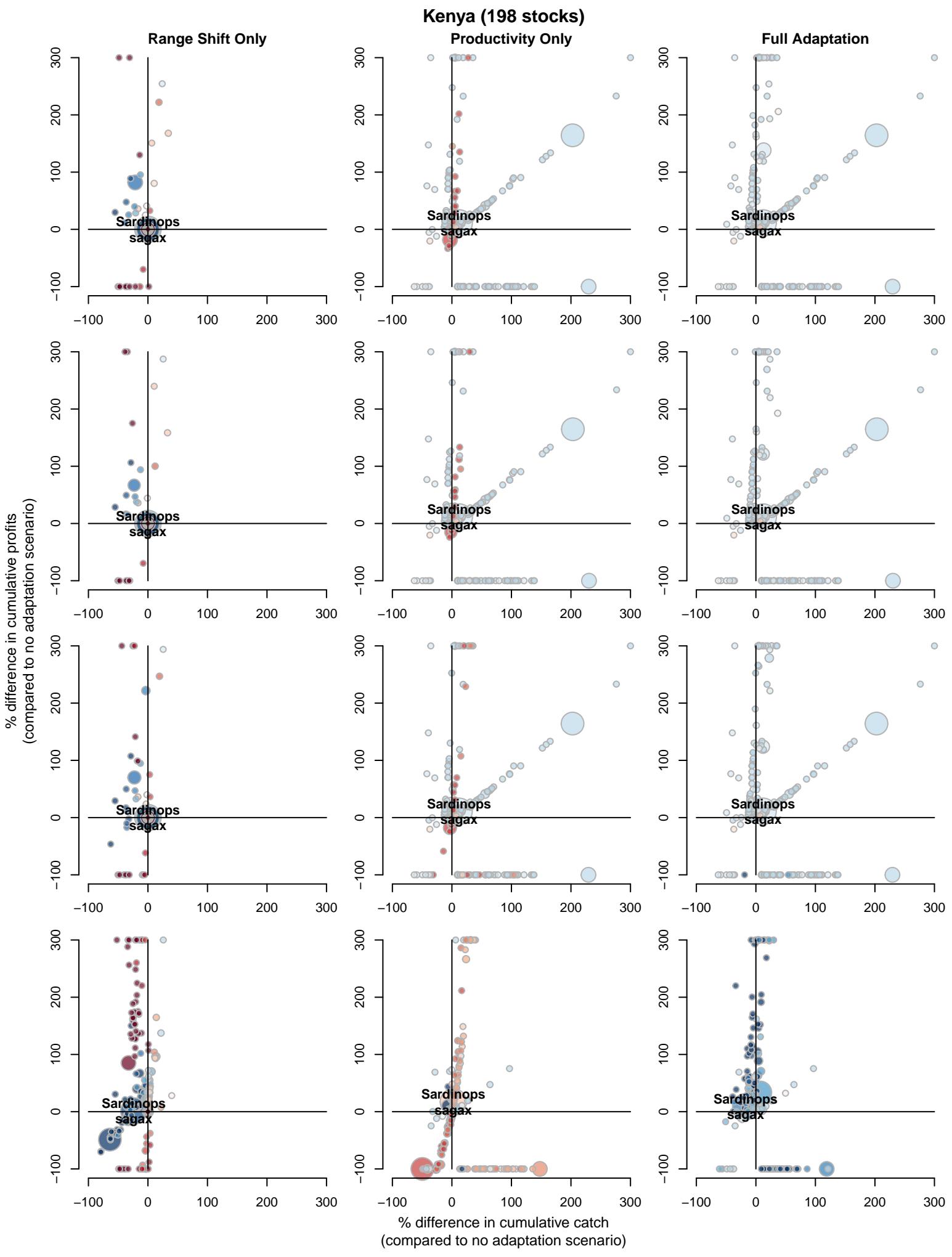
Sardinops sagax



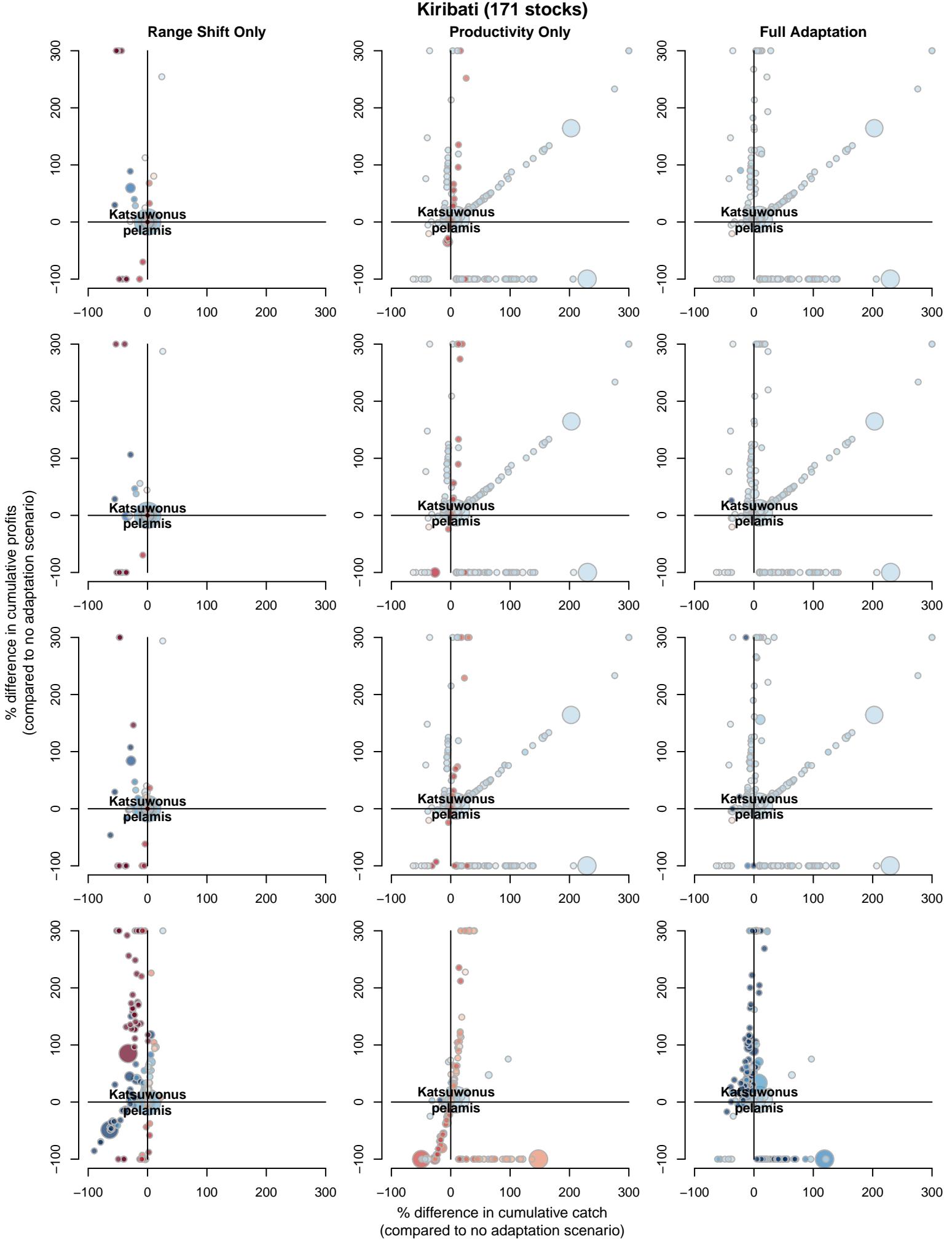
Sardinops sagax

% difference in cumulative catch
(compared to no adaptation scenario)

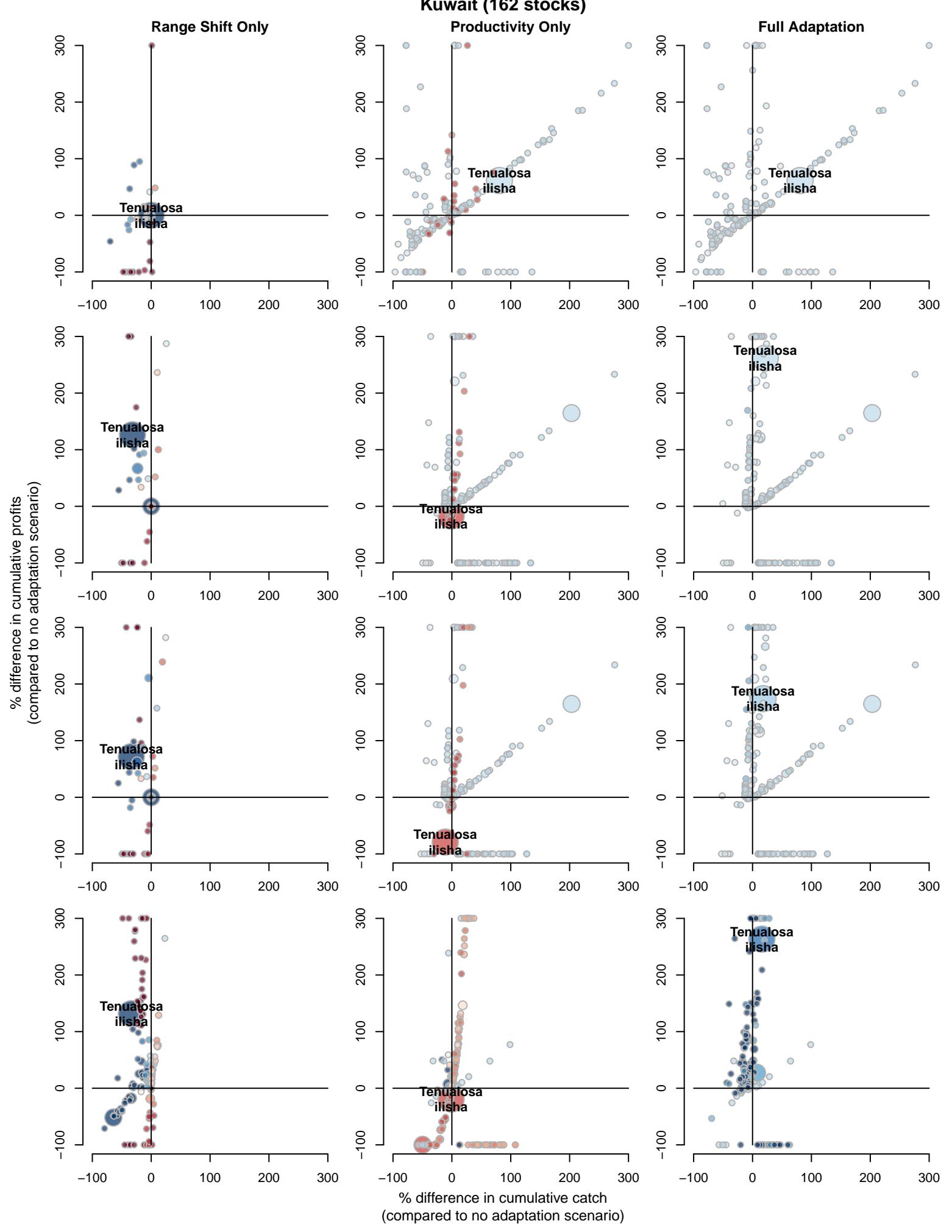
Kenya (198 stocks)



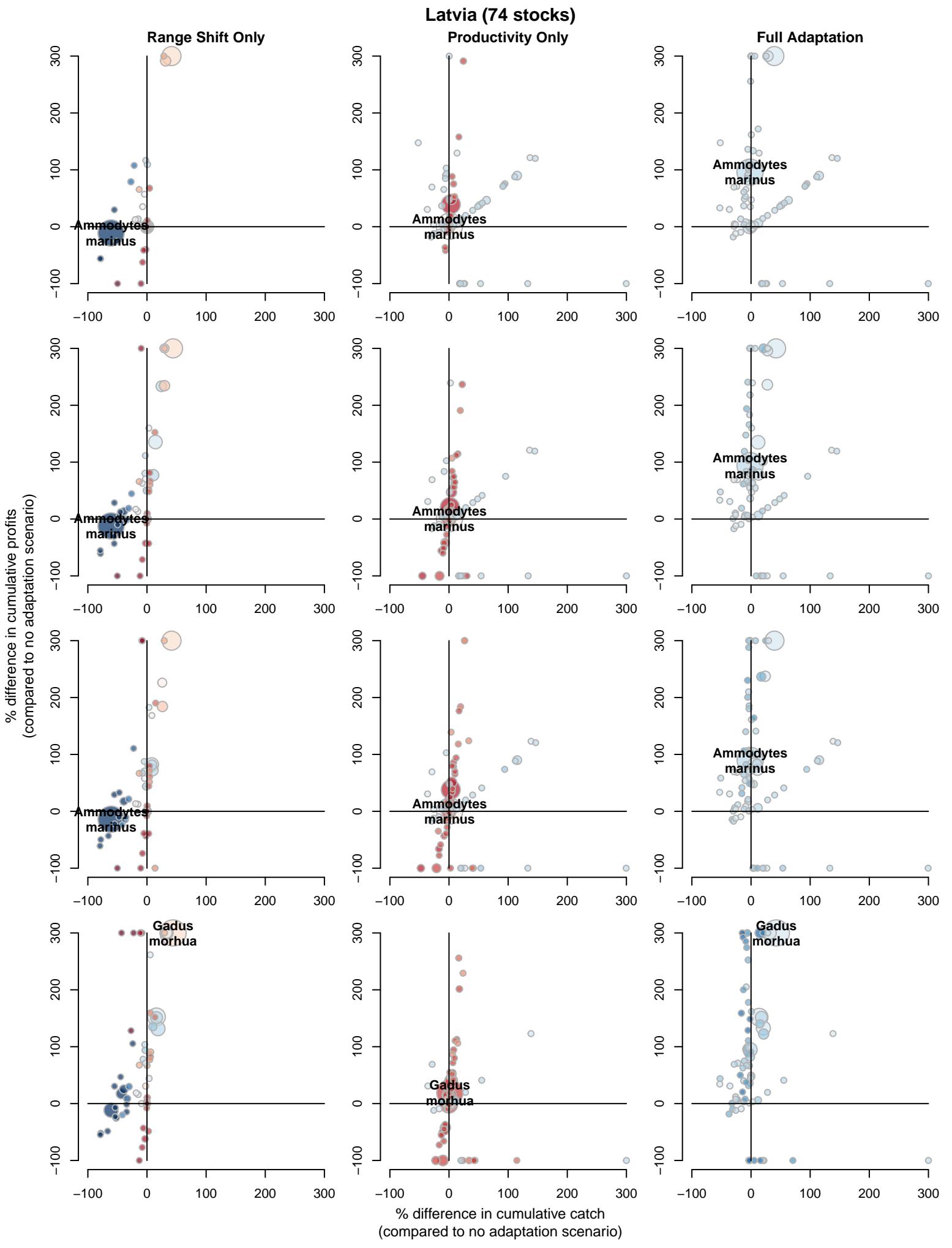
Kiribati (171 stocks)



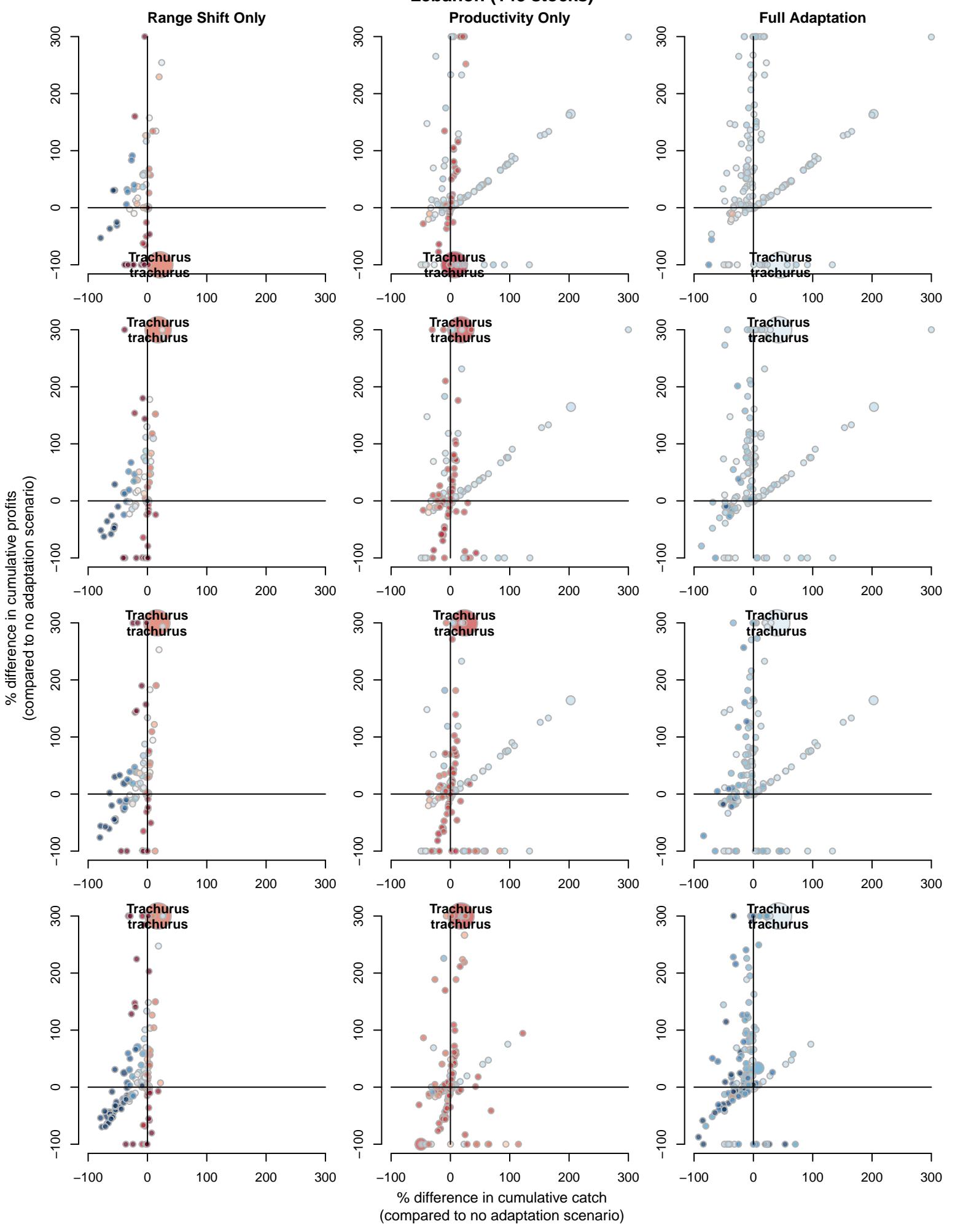
Kuwait (162 stocks)



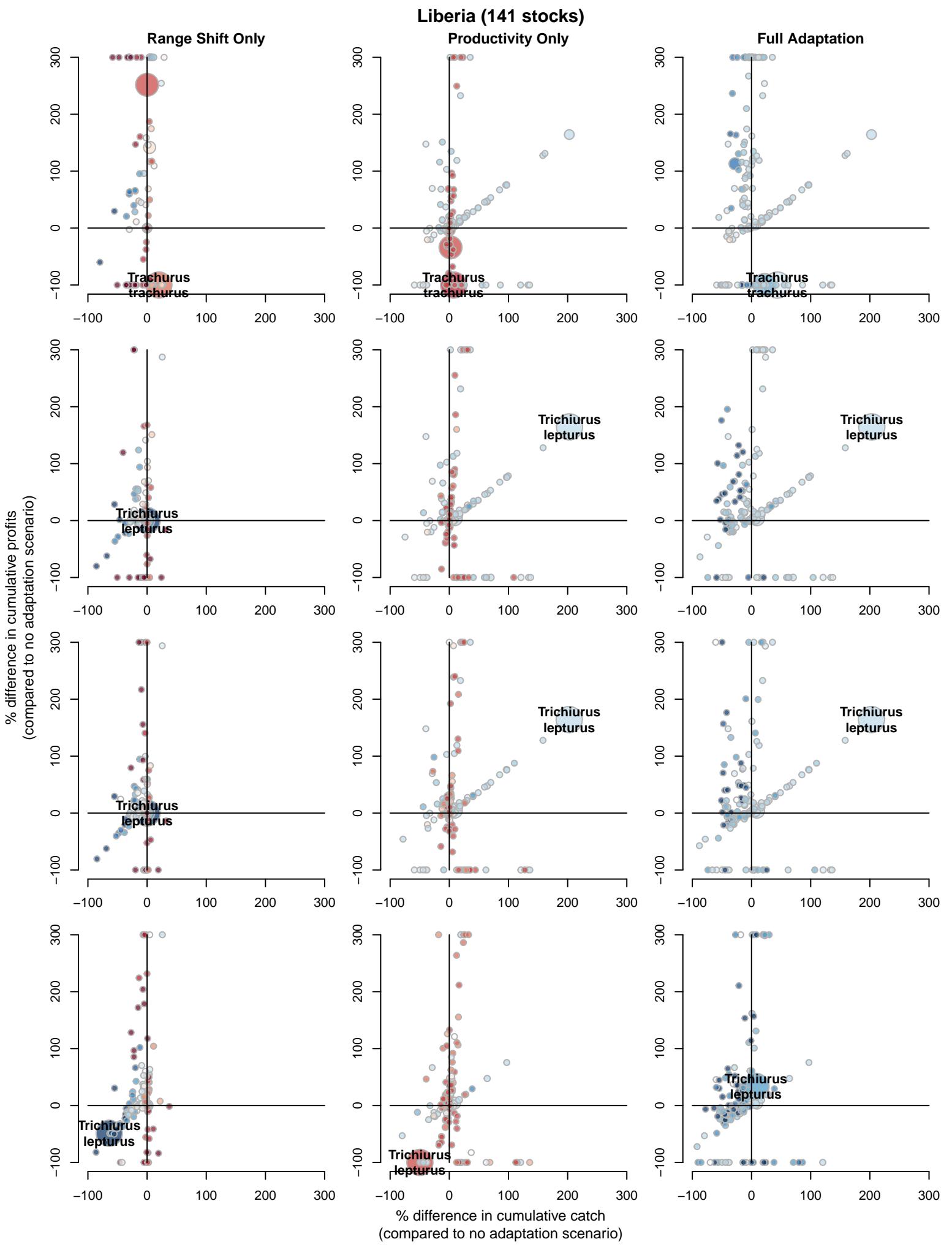
Latvia (74 stocks)



Lebanon (143 stocks)

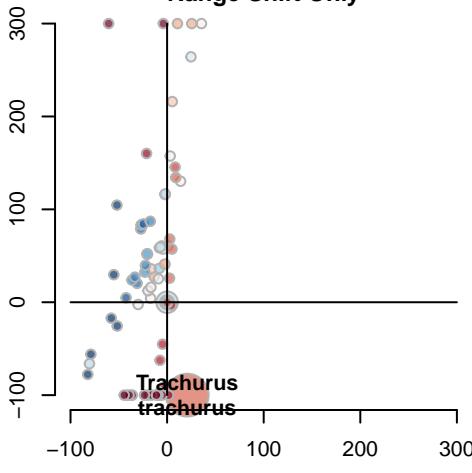


Liberia (141 stocks)

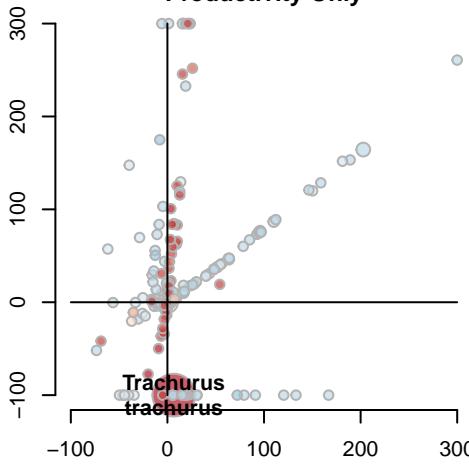


Libya (178 stocks)

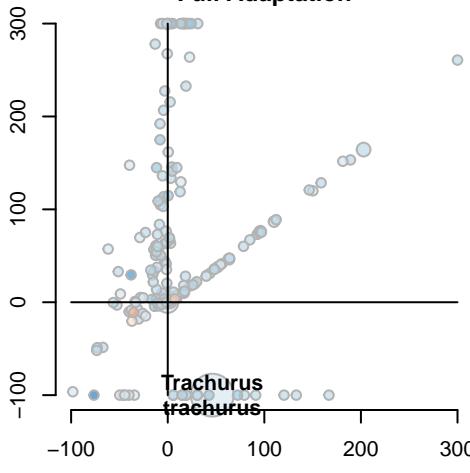
Range Shift Only



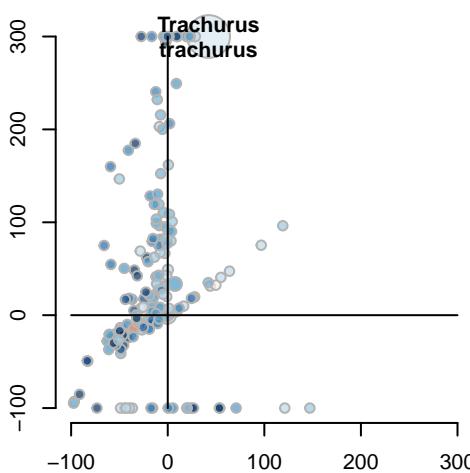
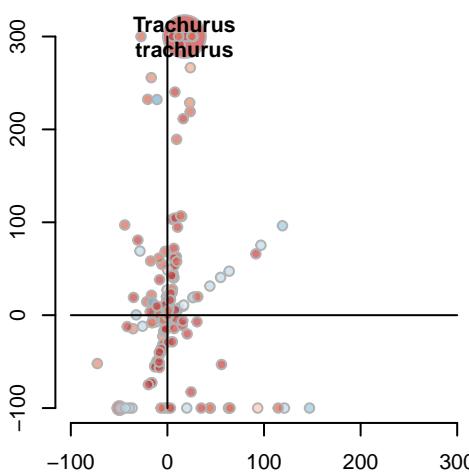
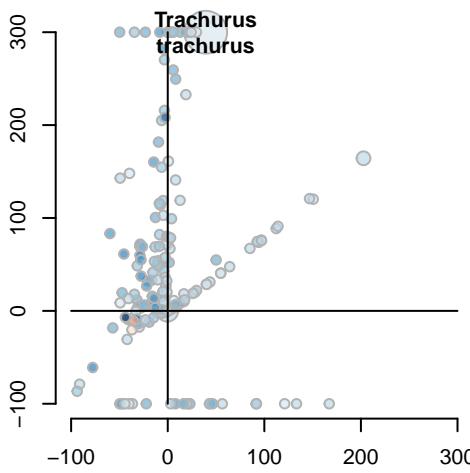
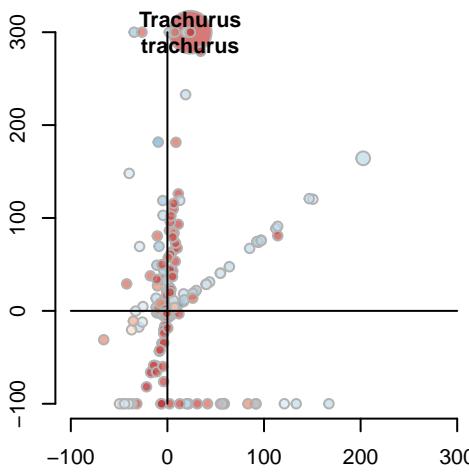
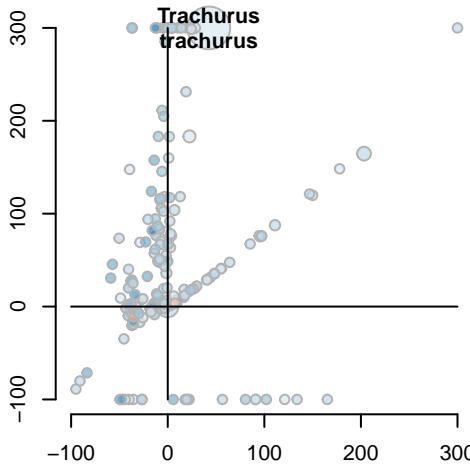
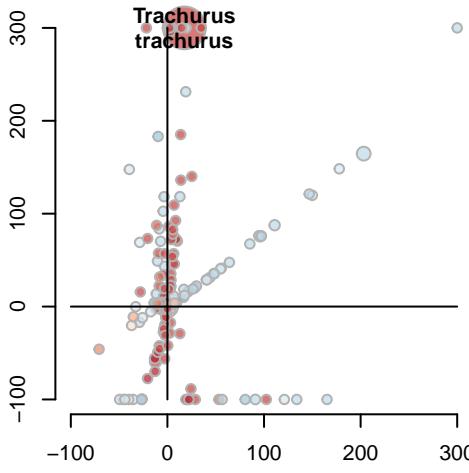
Productivity Only



Full Adaptation

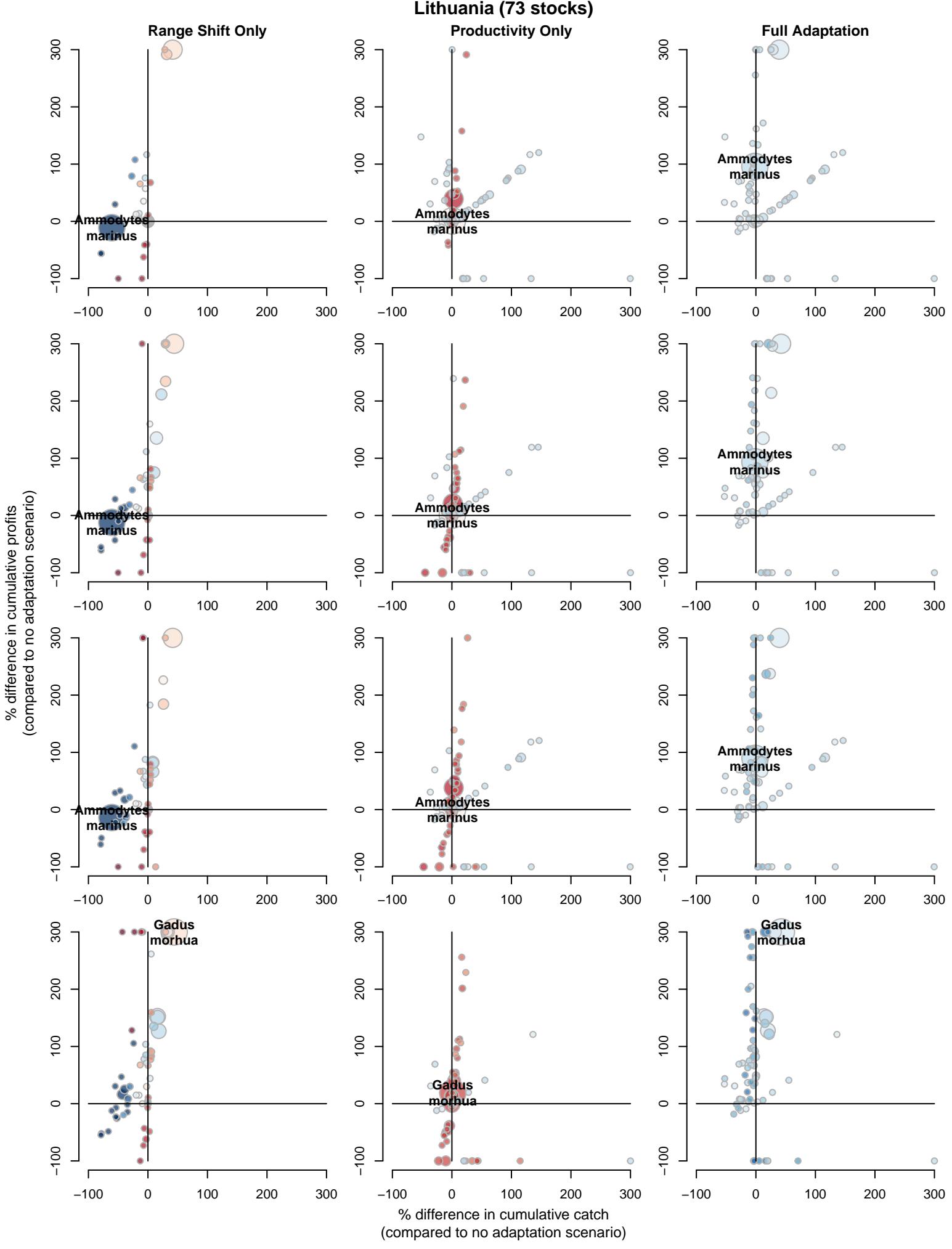


% difference in cumulative profits
(compared to no adaptation scenario)

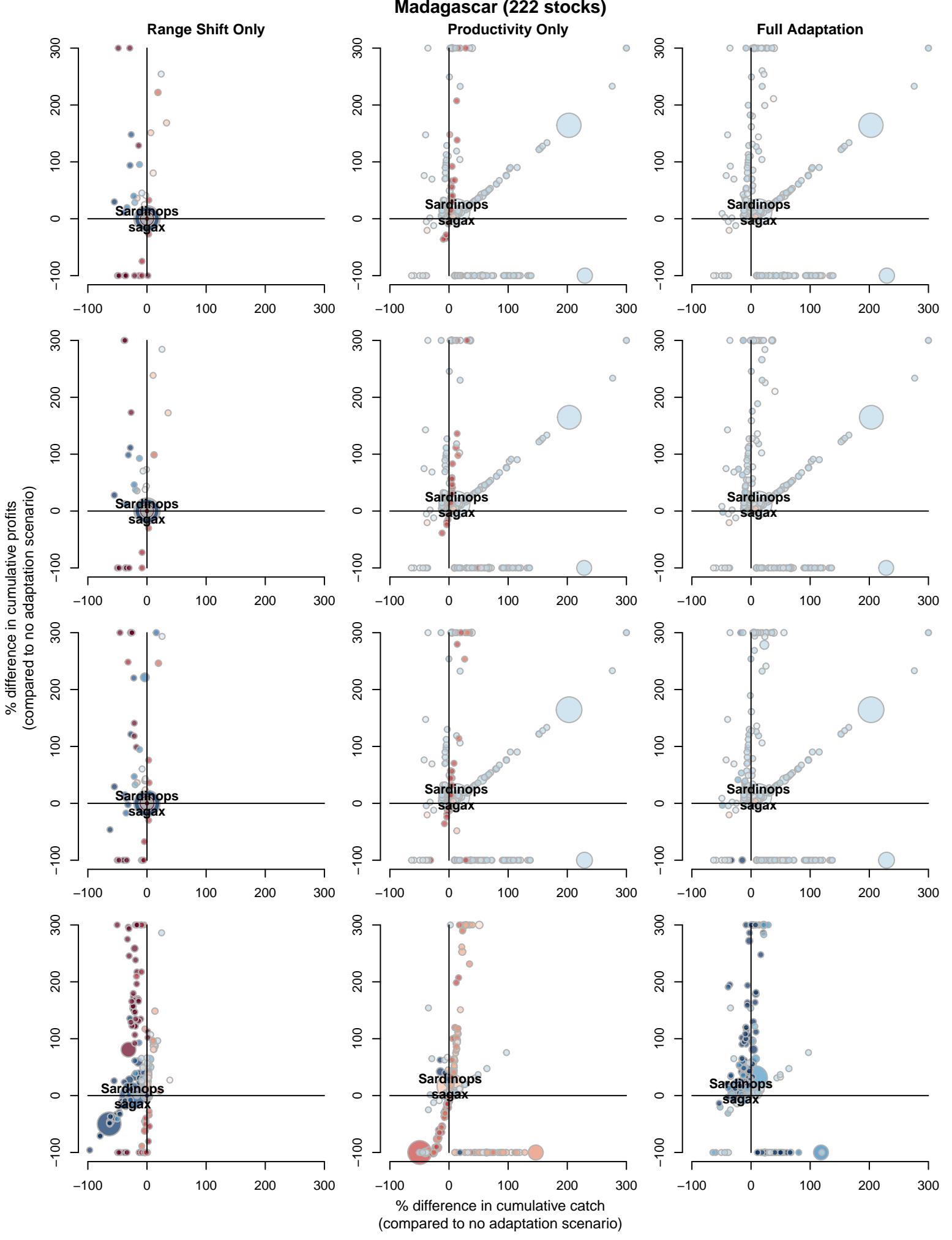


% difference in cumulative catch
(compared to no adaptation scenario)

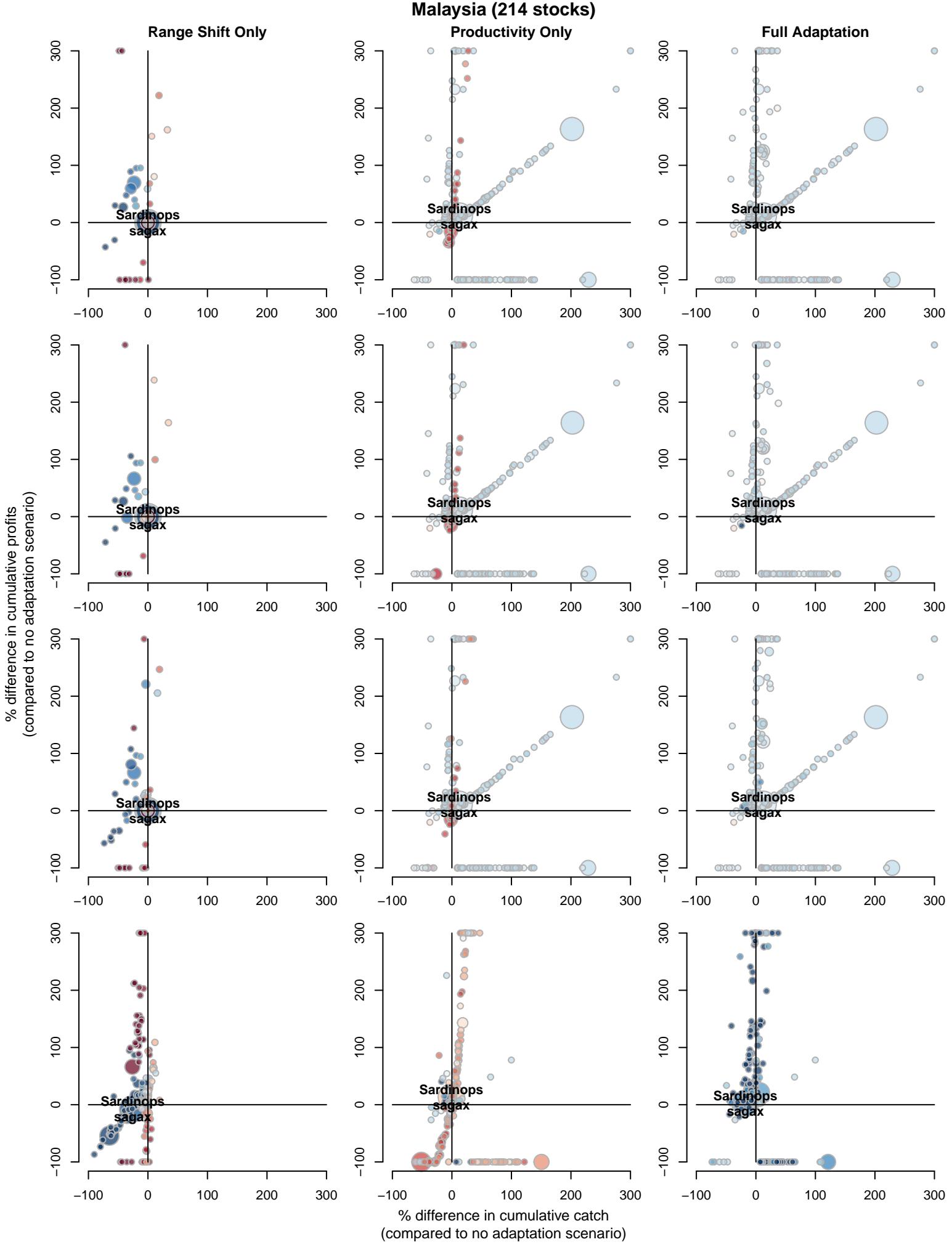
Lithuania (73 stocks)



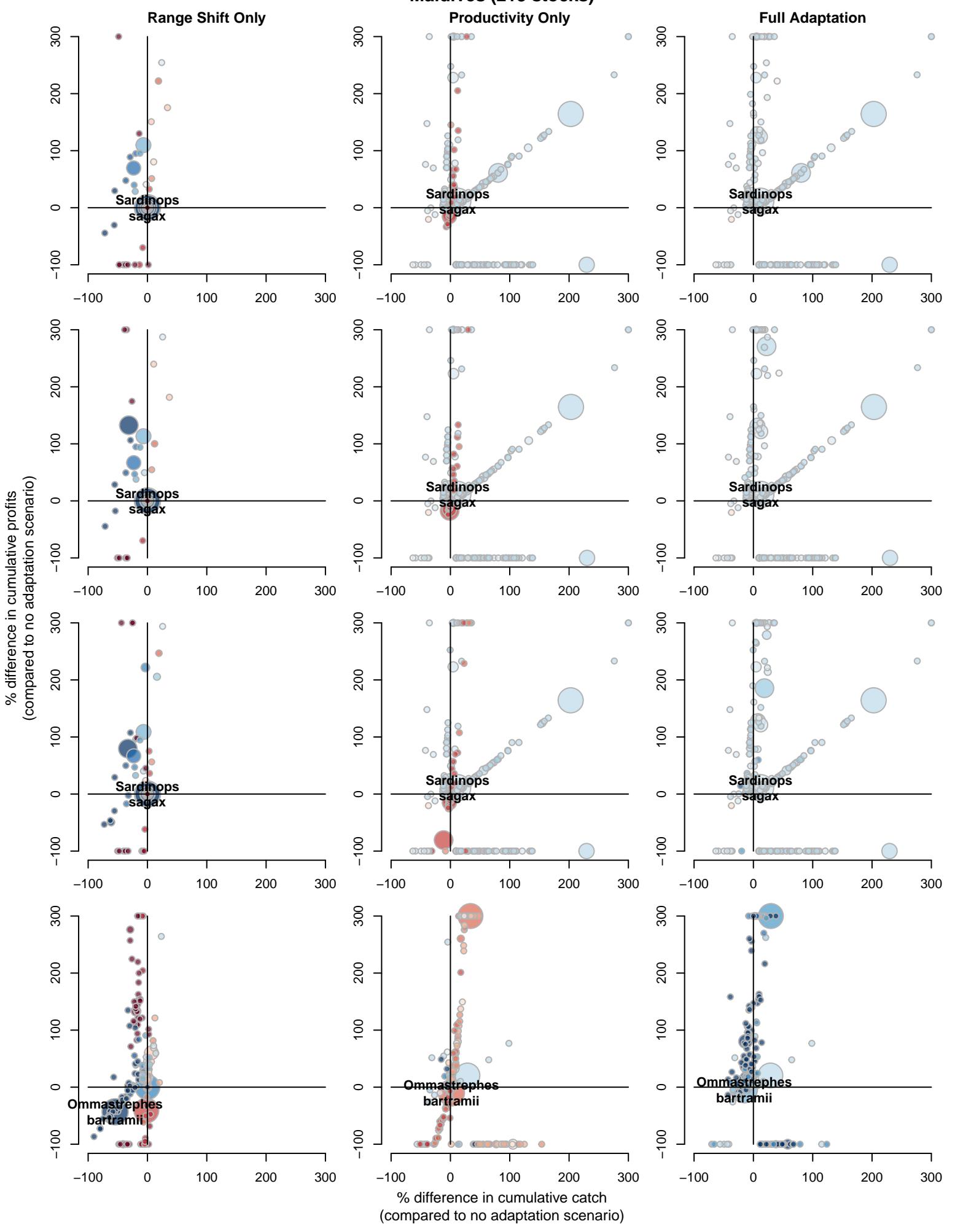
Madagascar (222 stocks)



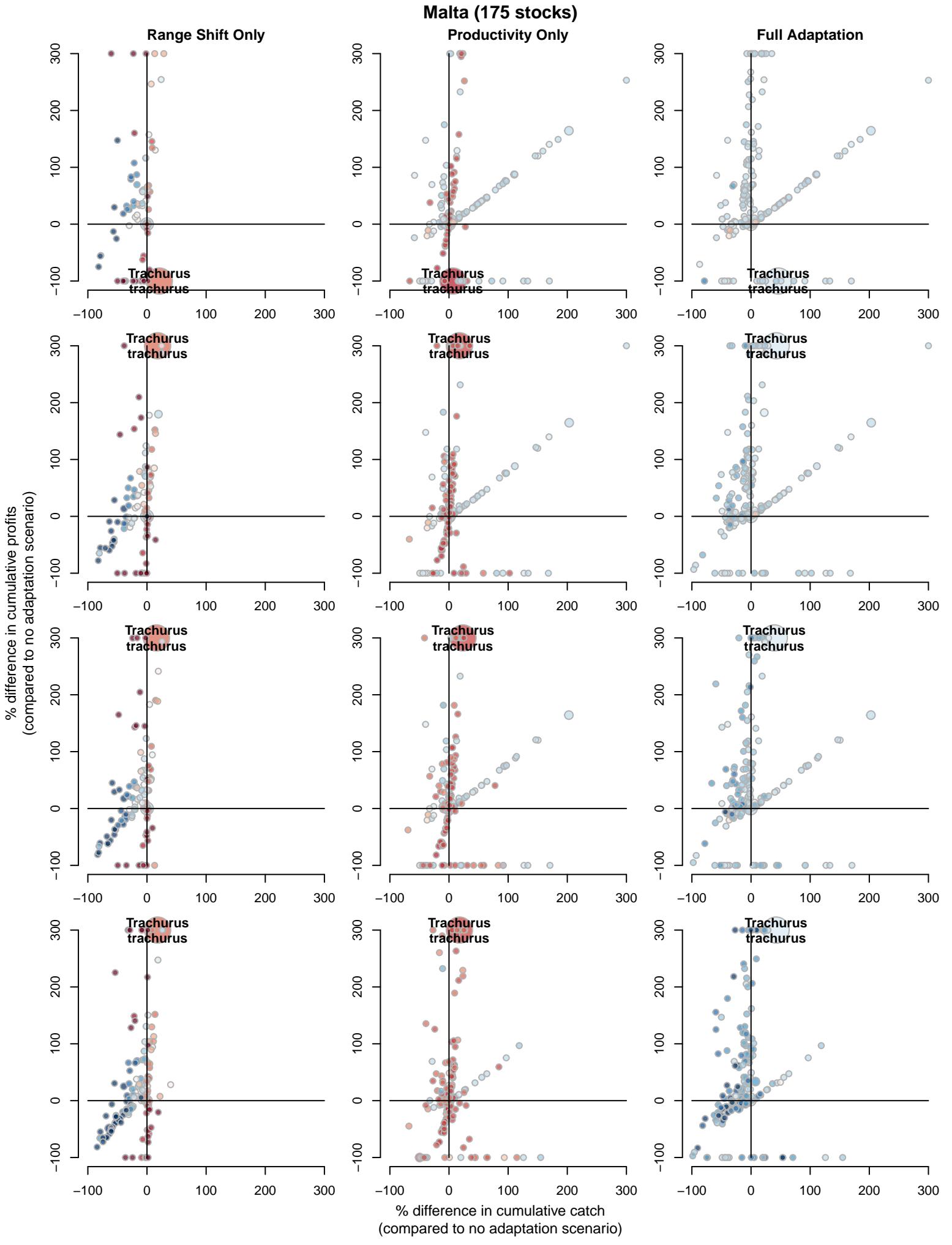
Malaysia (214 stocks)



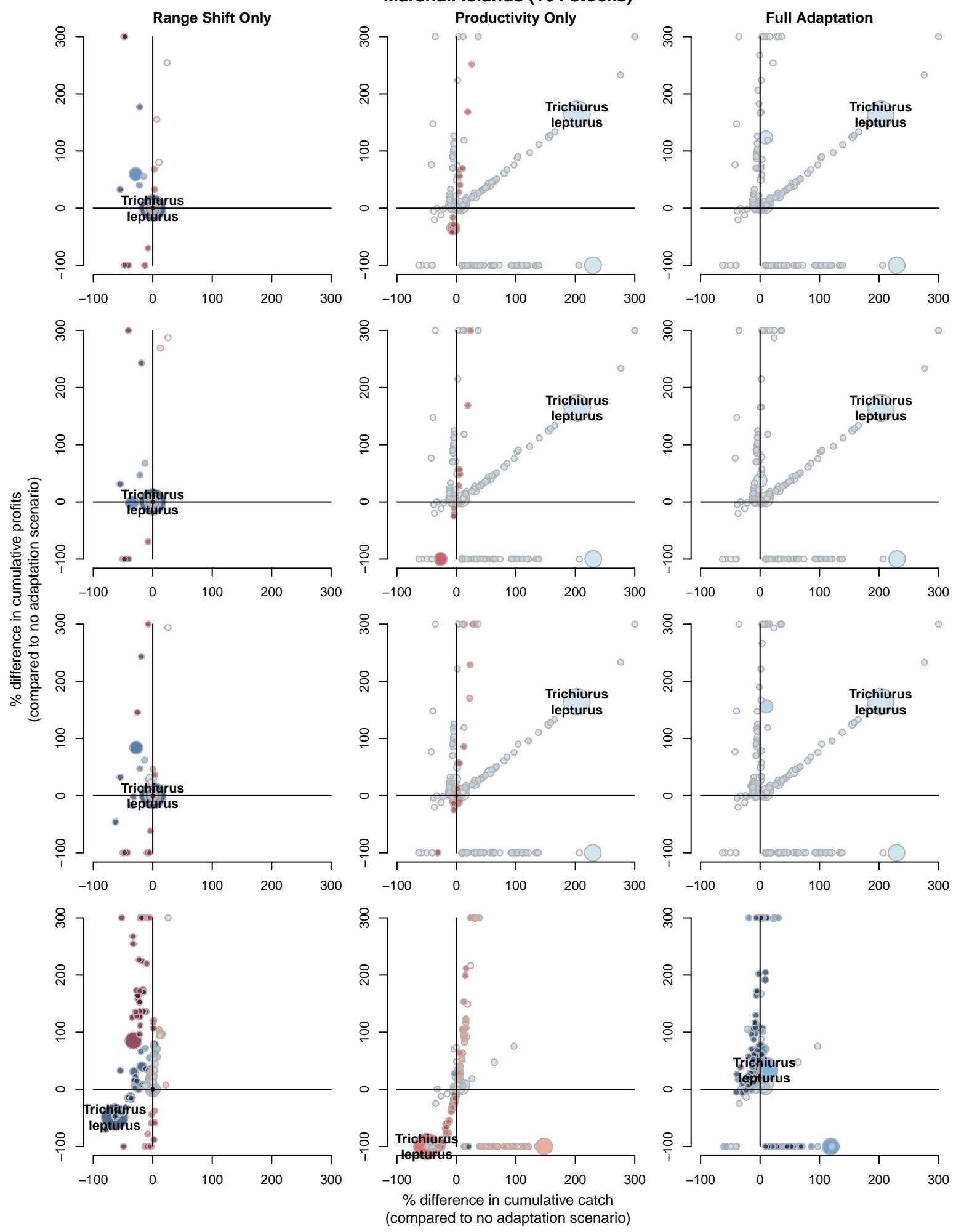
Maldives (213 stocks)



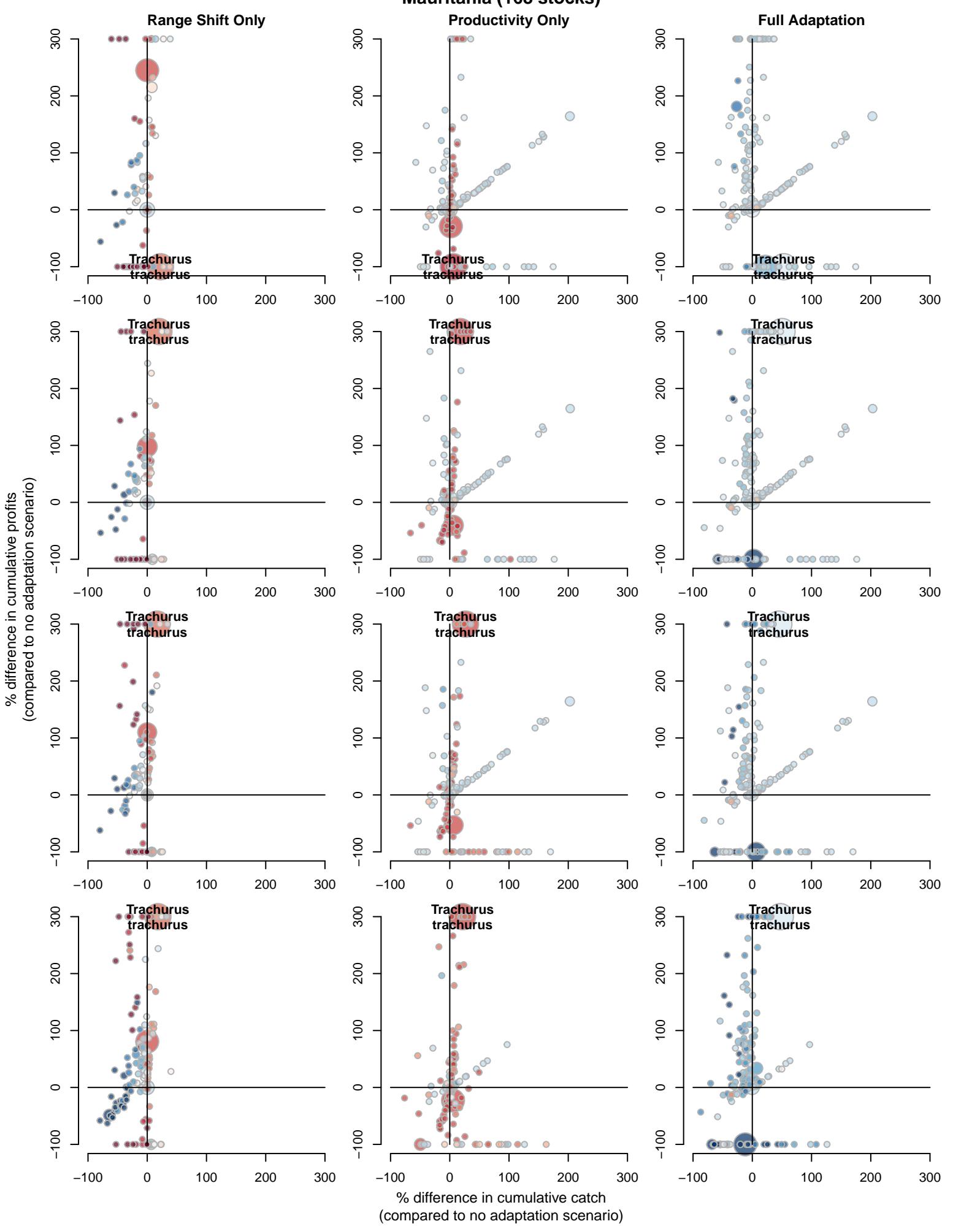
Malta (175 stocks)



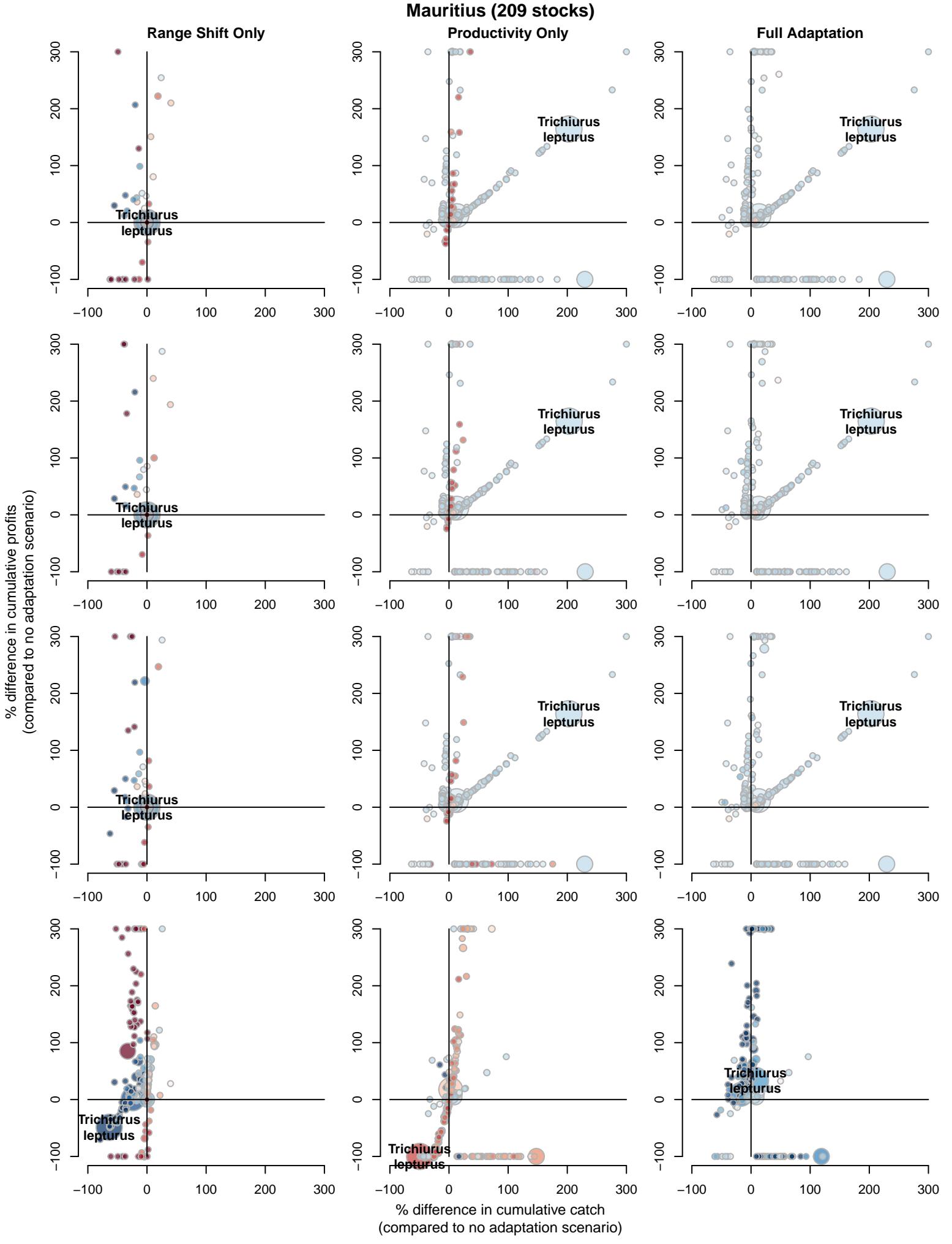
Marshall Islands (164 stocks)



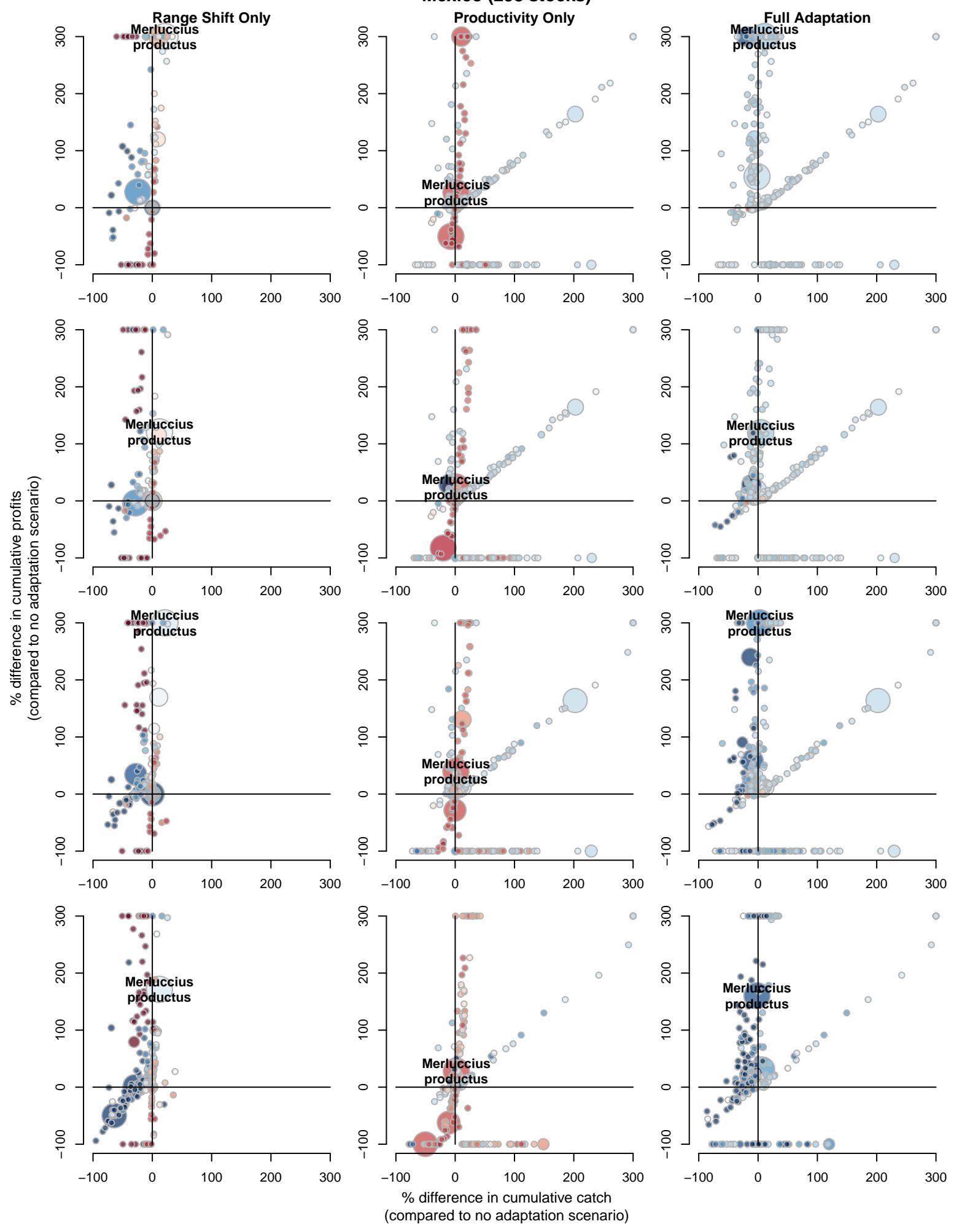
Mauritania (168 stocks)



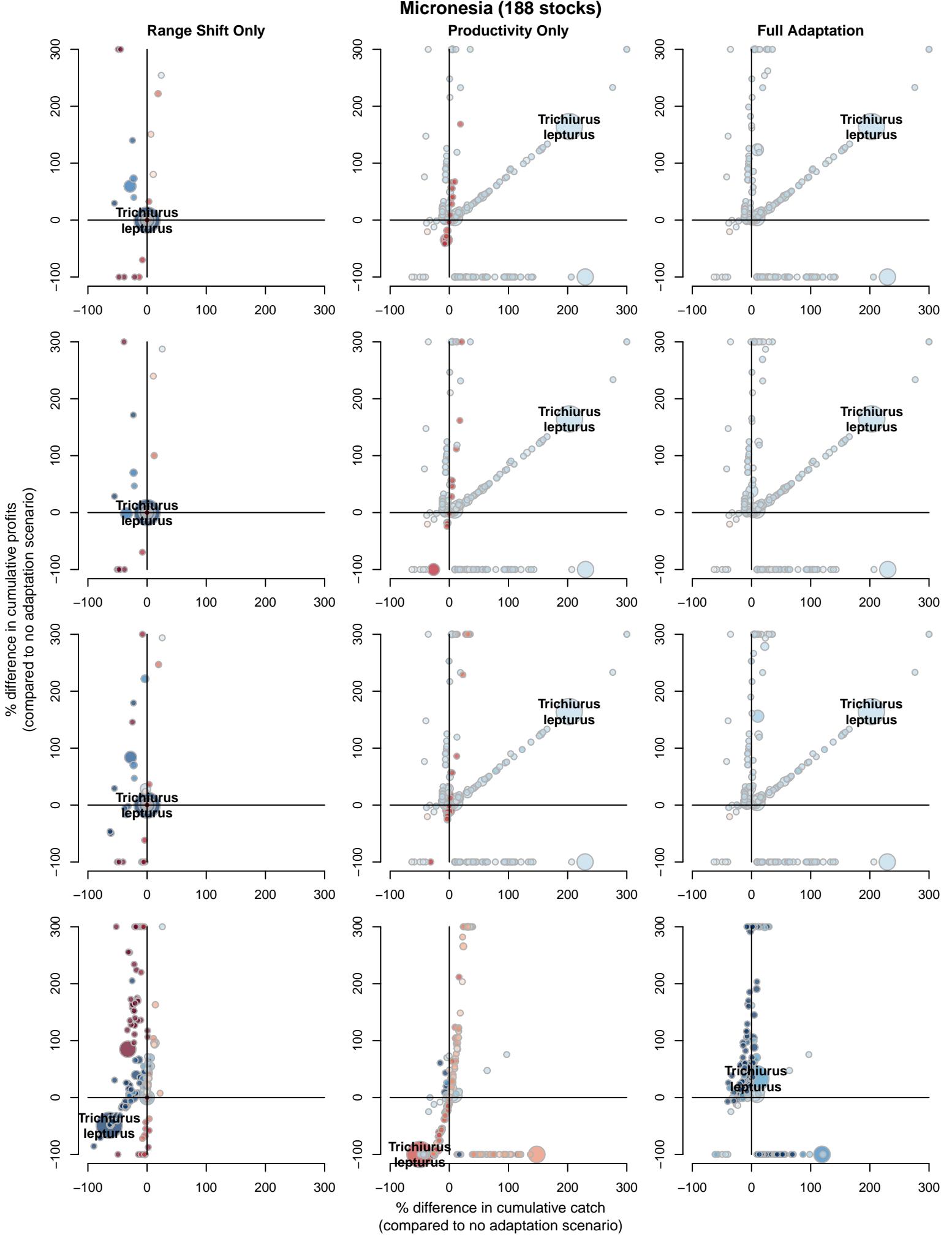
Mauritius (209 stocks)



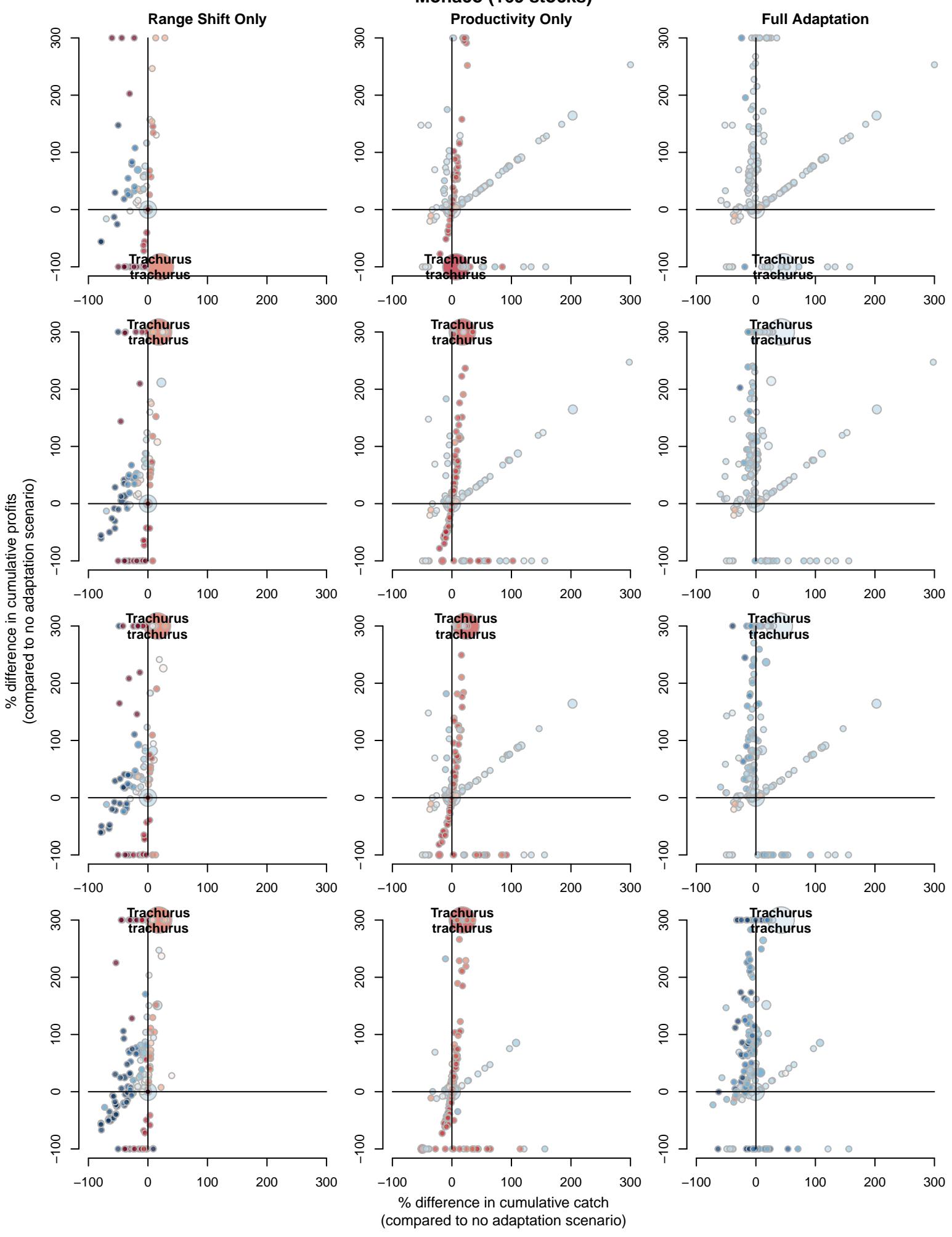
Mexico (258 stocks)



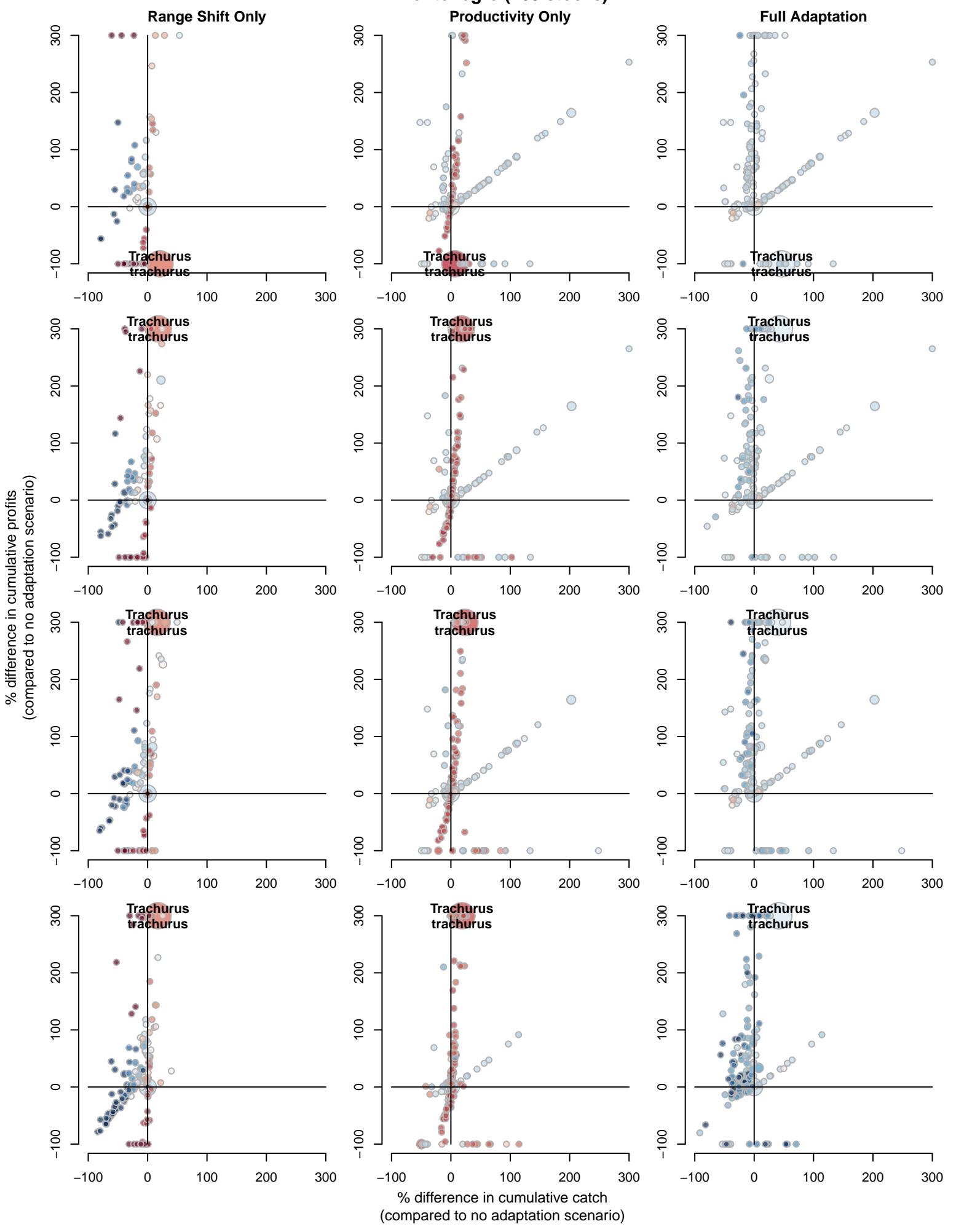
Micronesia (188 stocks)



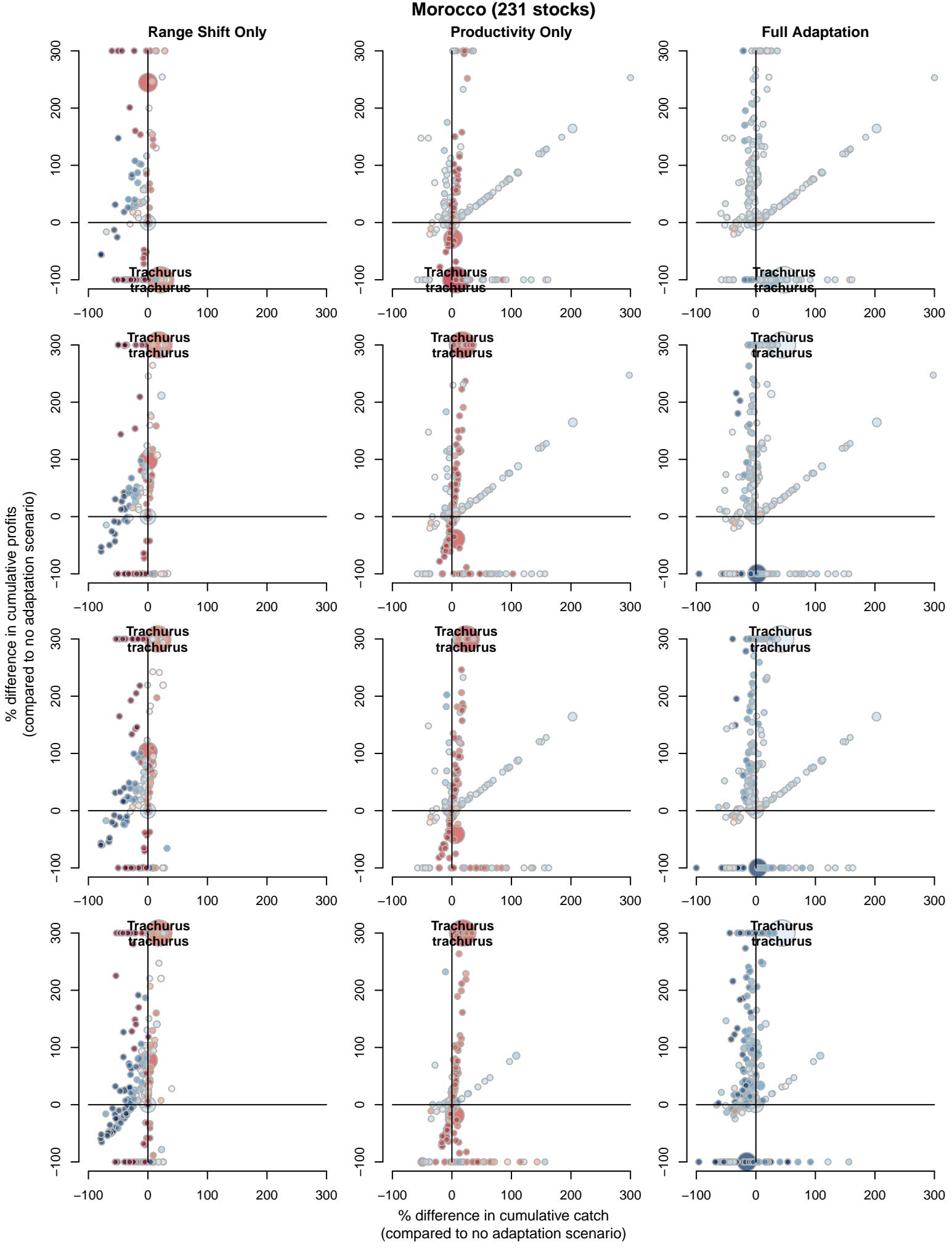
Monaco (169 stocks)



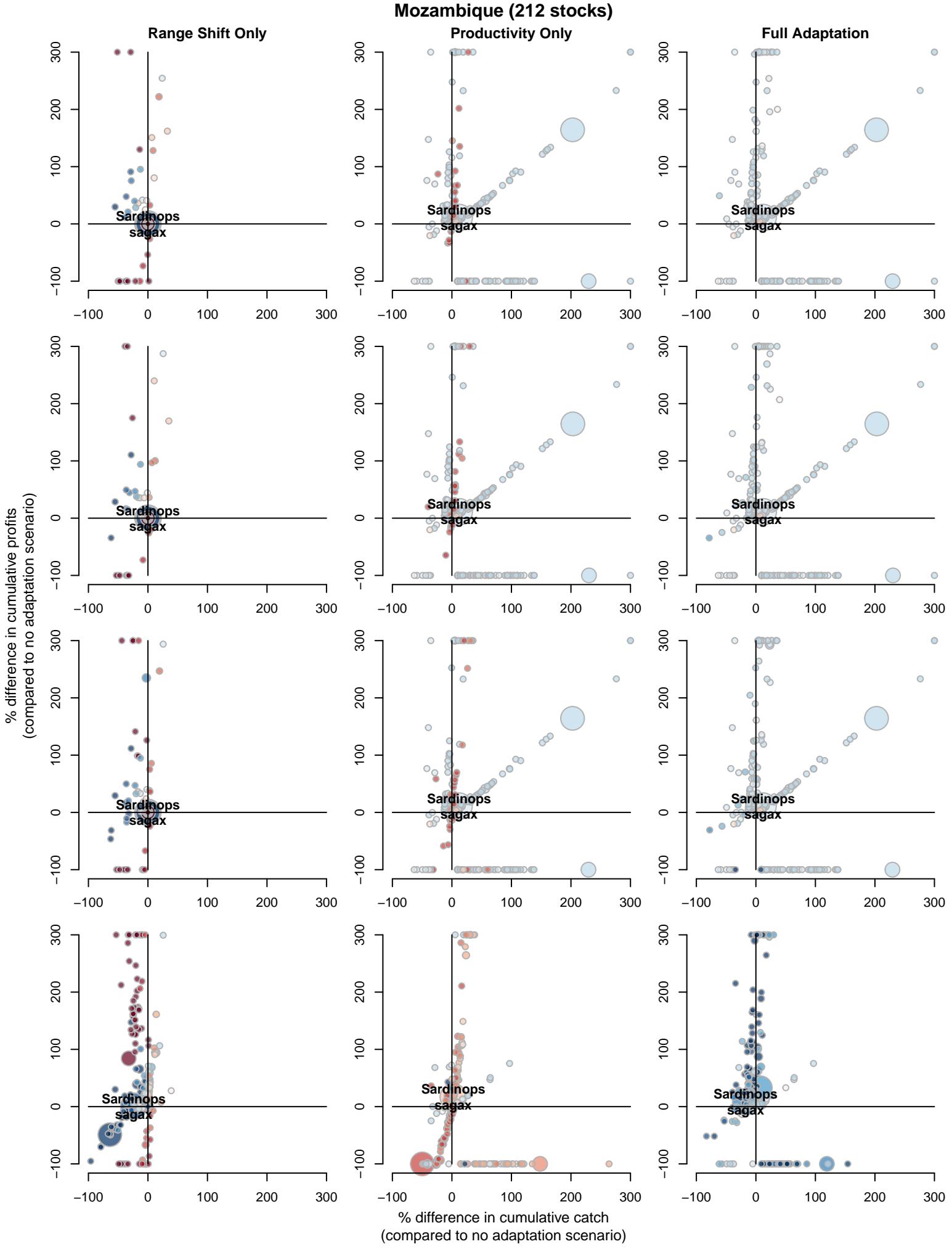
Montenegro (163 stocks)



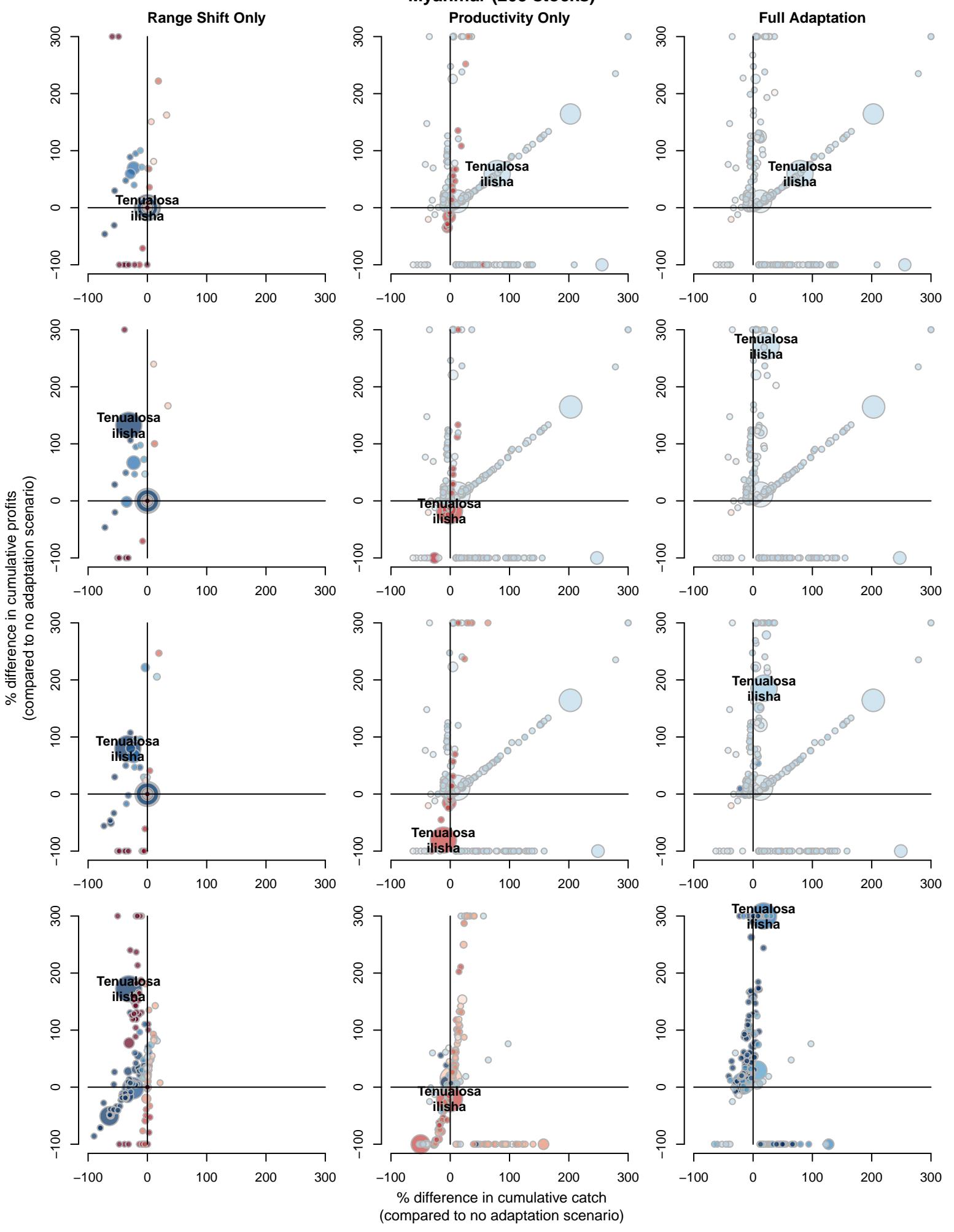
Morocco (231 stocks)



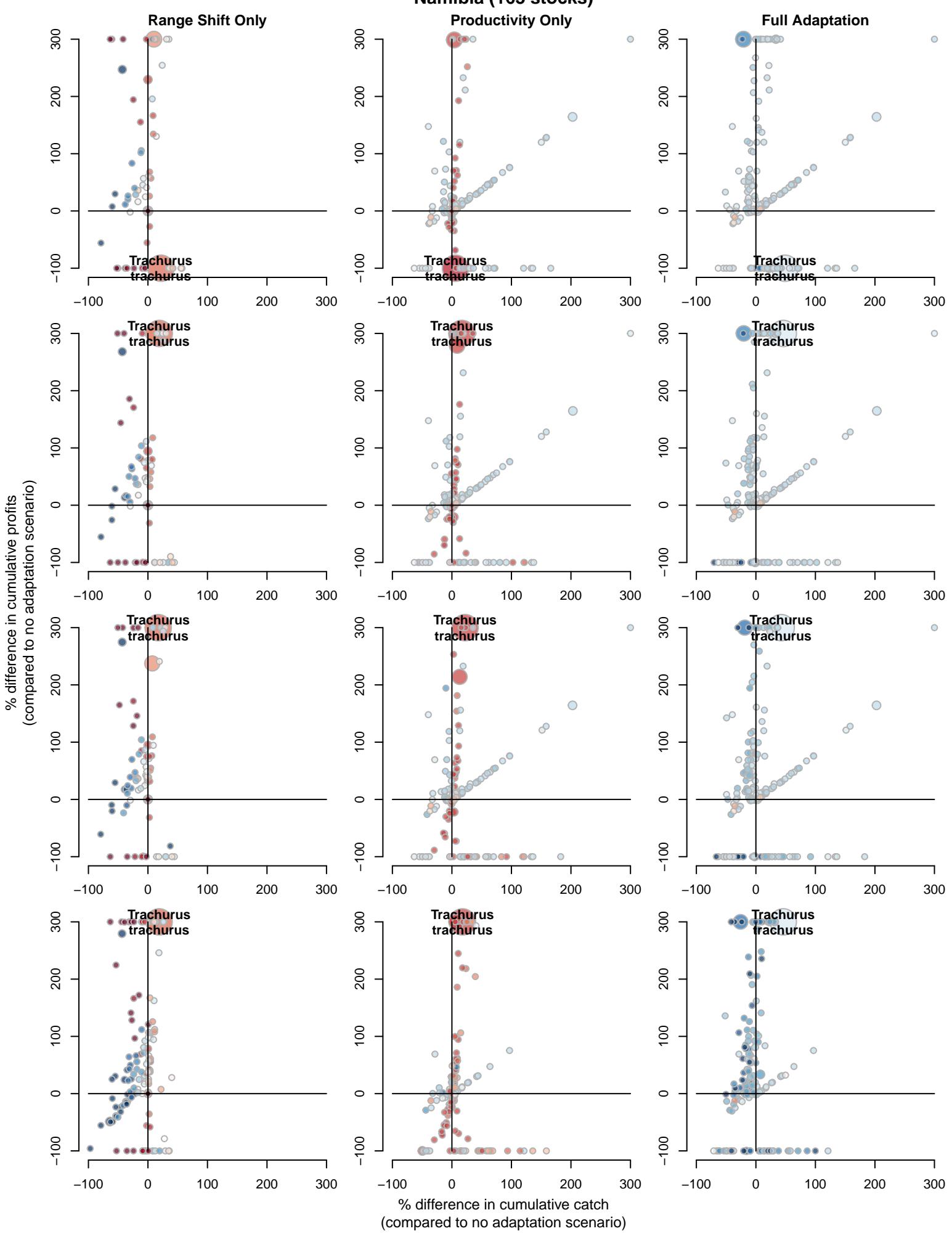
Mozambique (212 stocks)



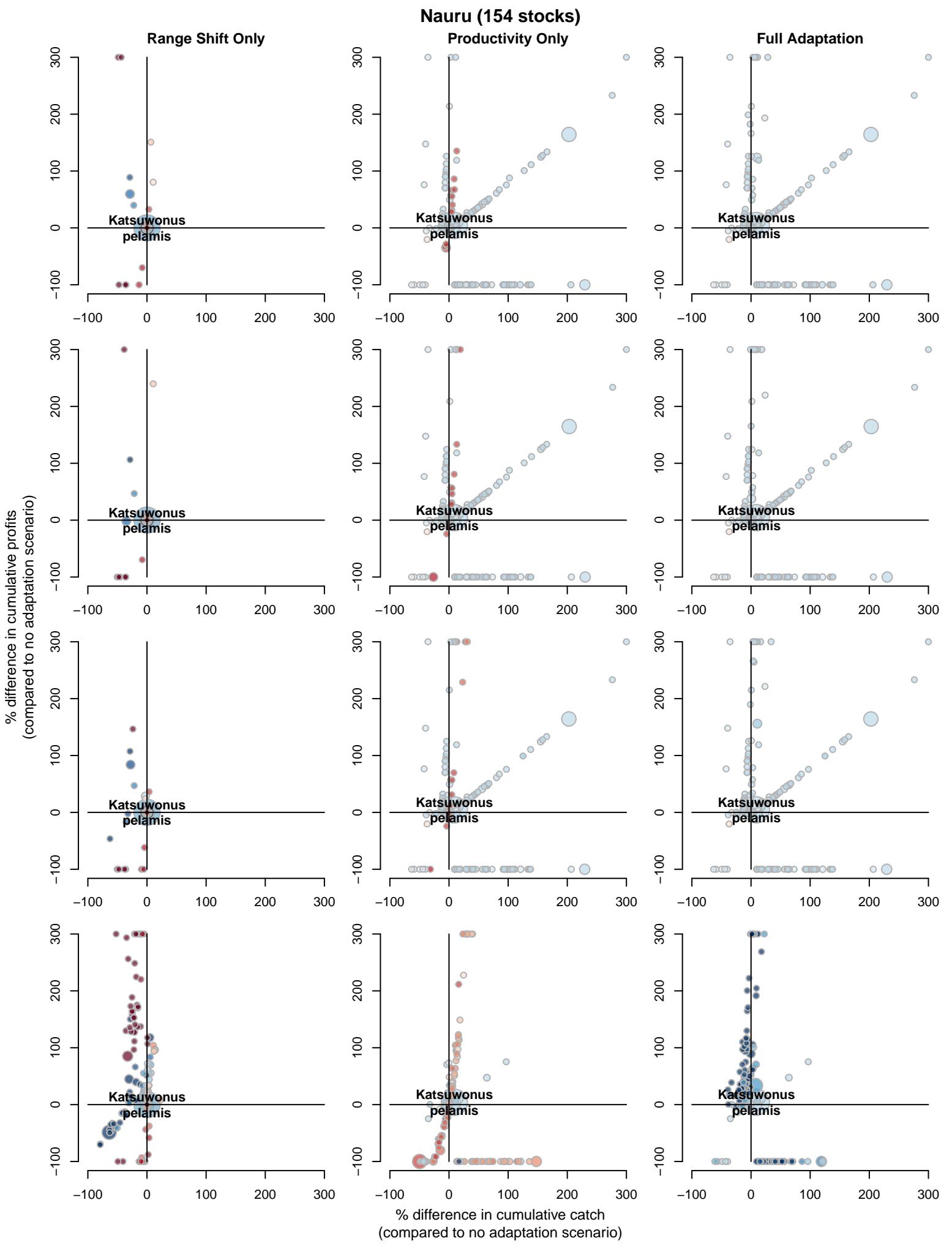
Myanmar (205 stocks)



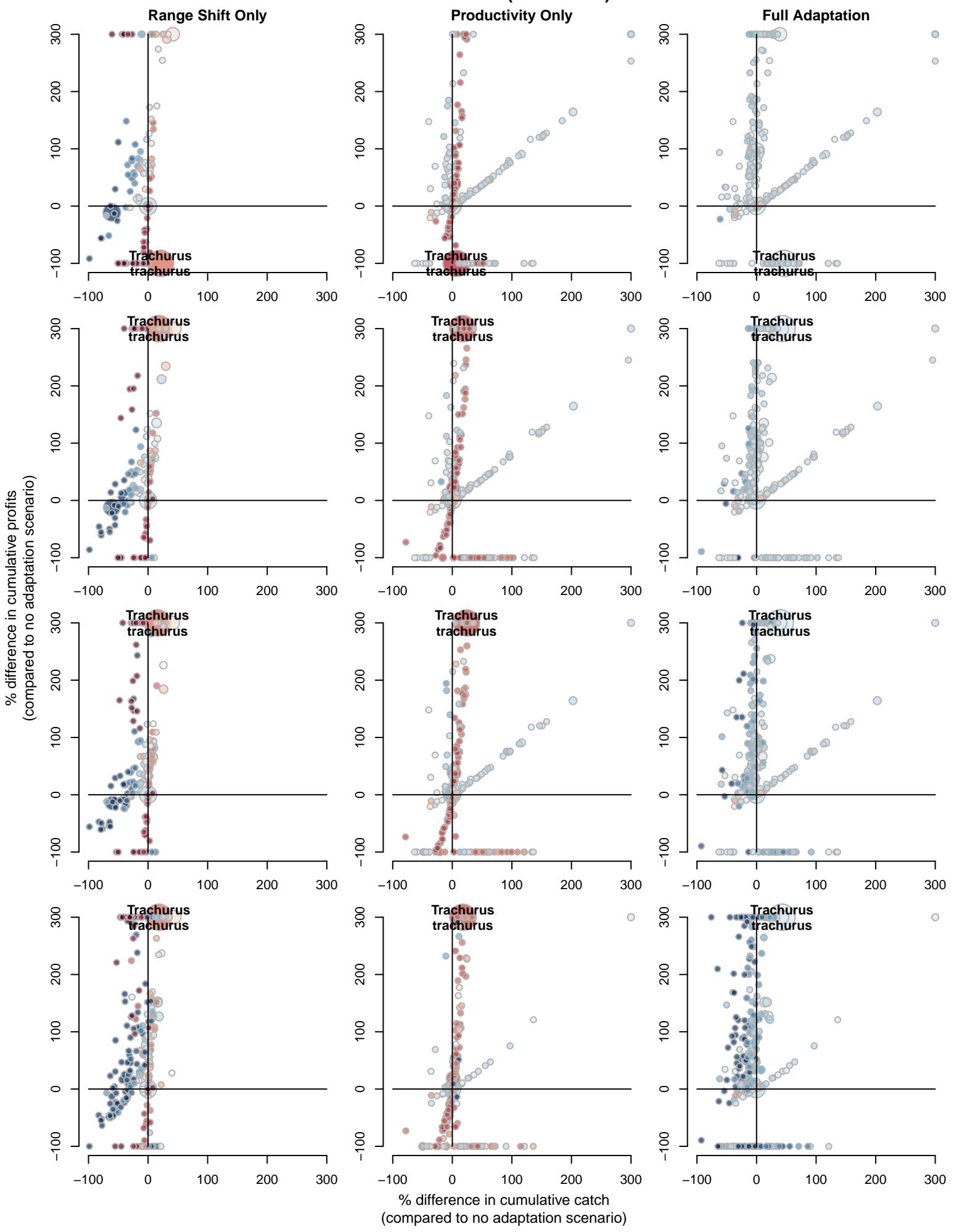
Namibia (163 stocks)



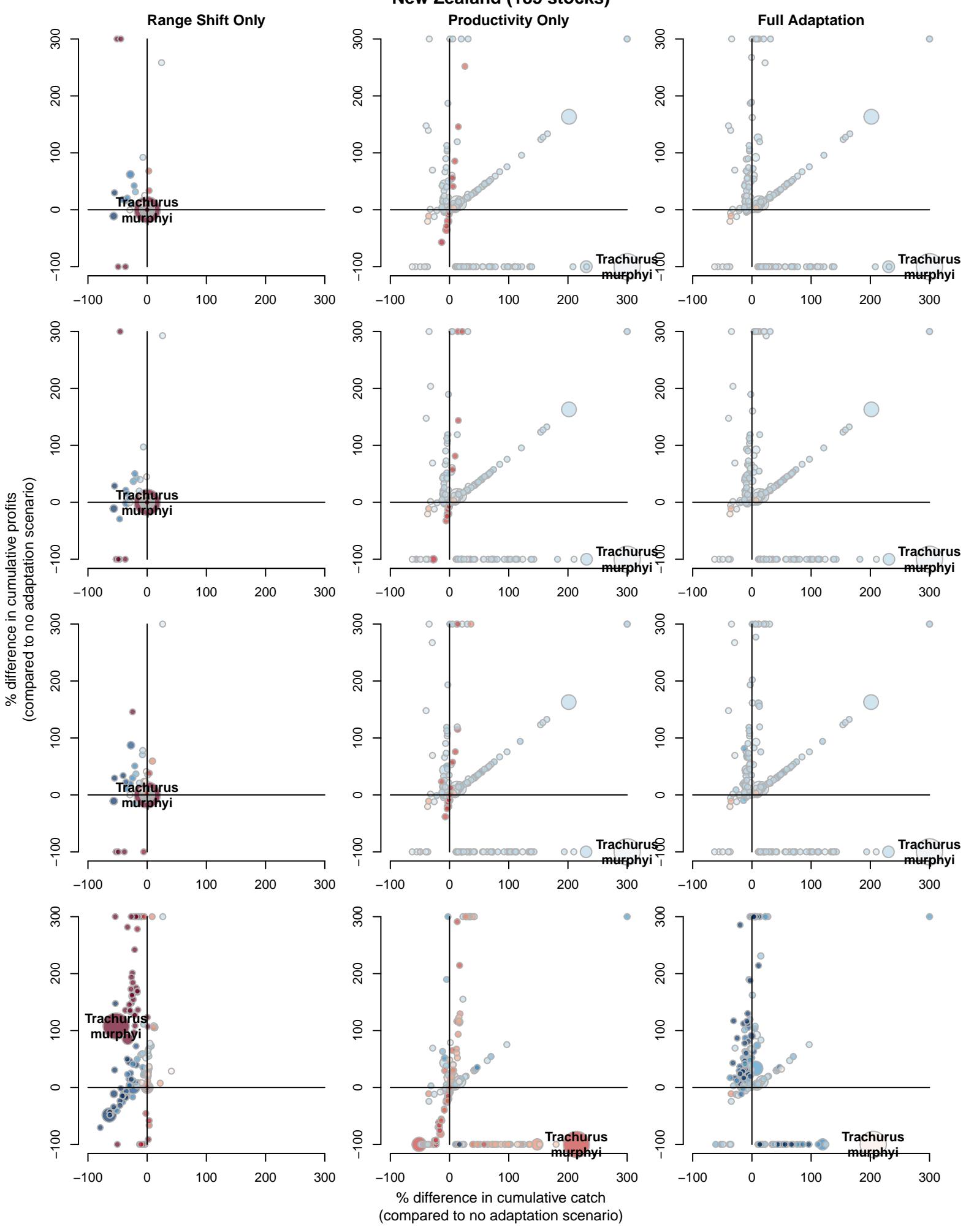
Nauru (154 stocks)



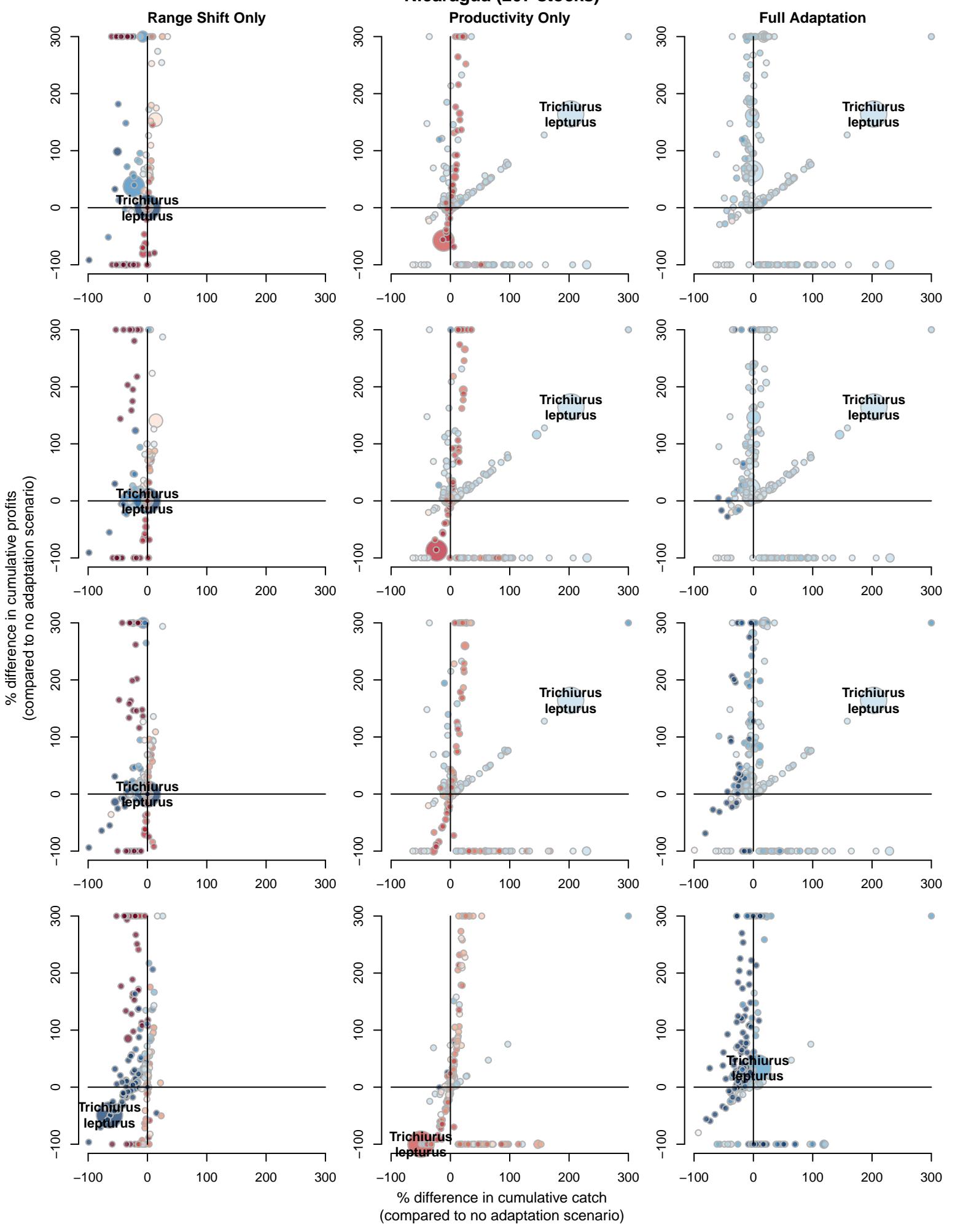
Netherlands (262 stocks)



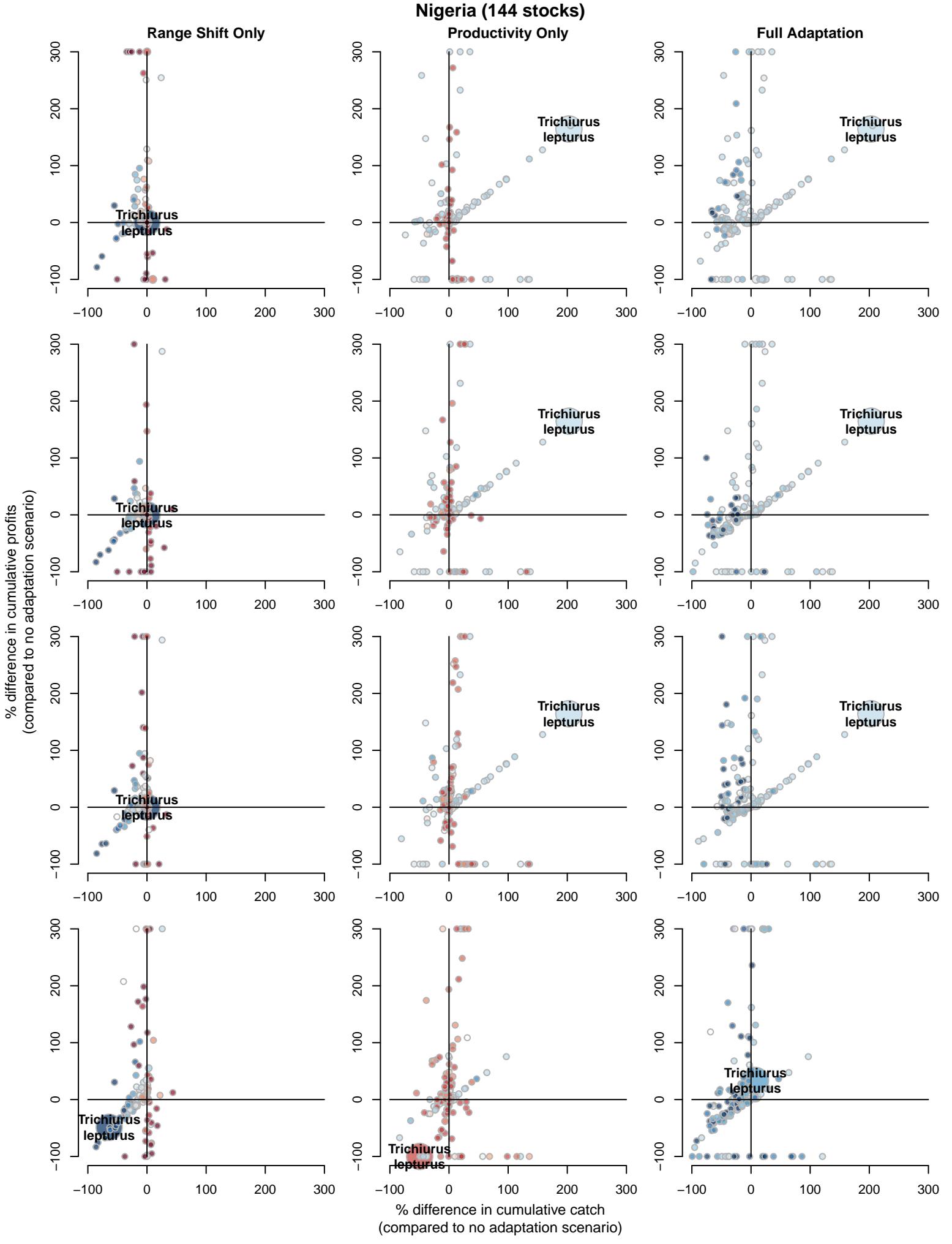
New Zealand (185 stocks)



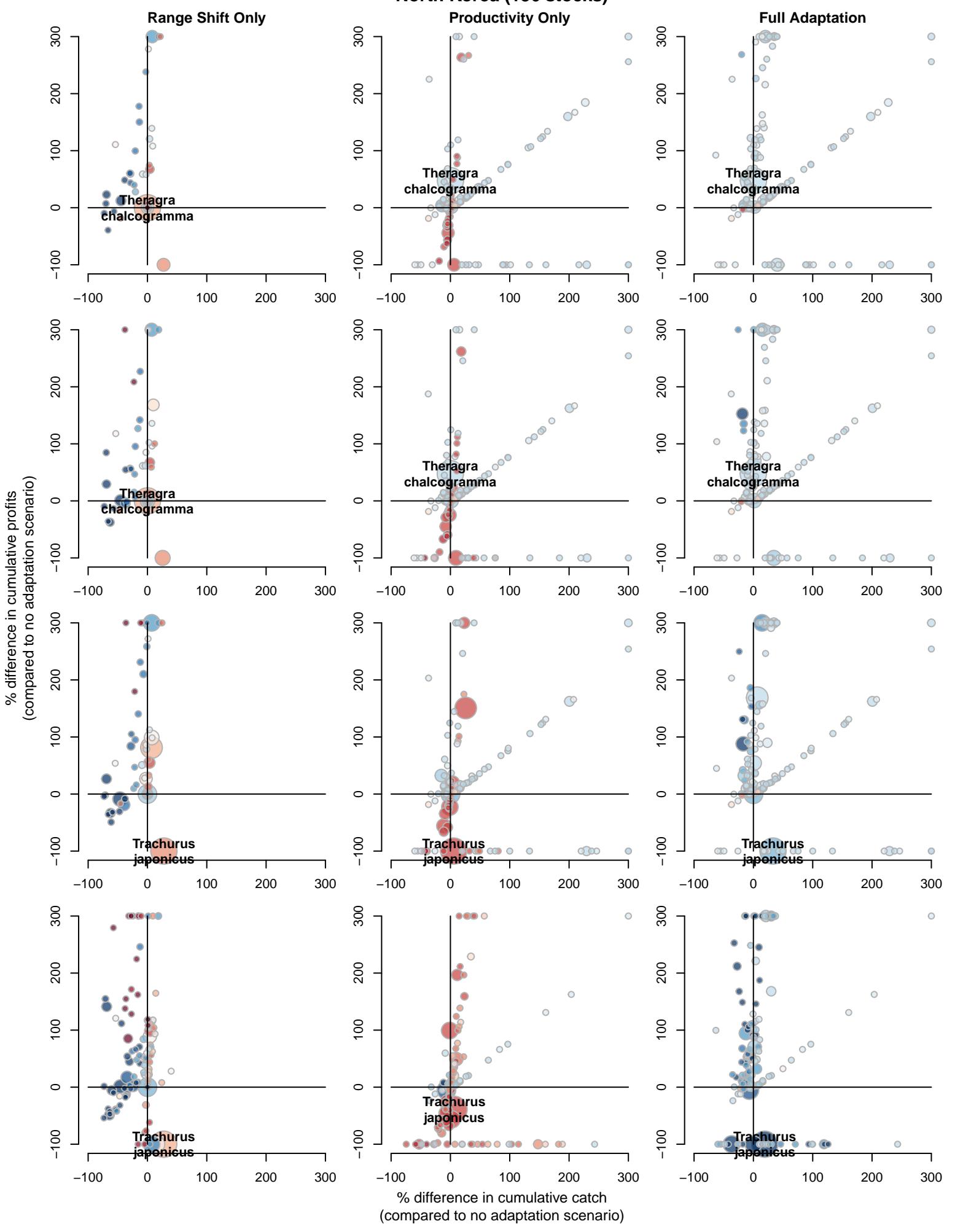
Nicaragua (207 stocks)



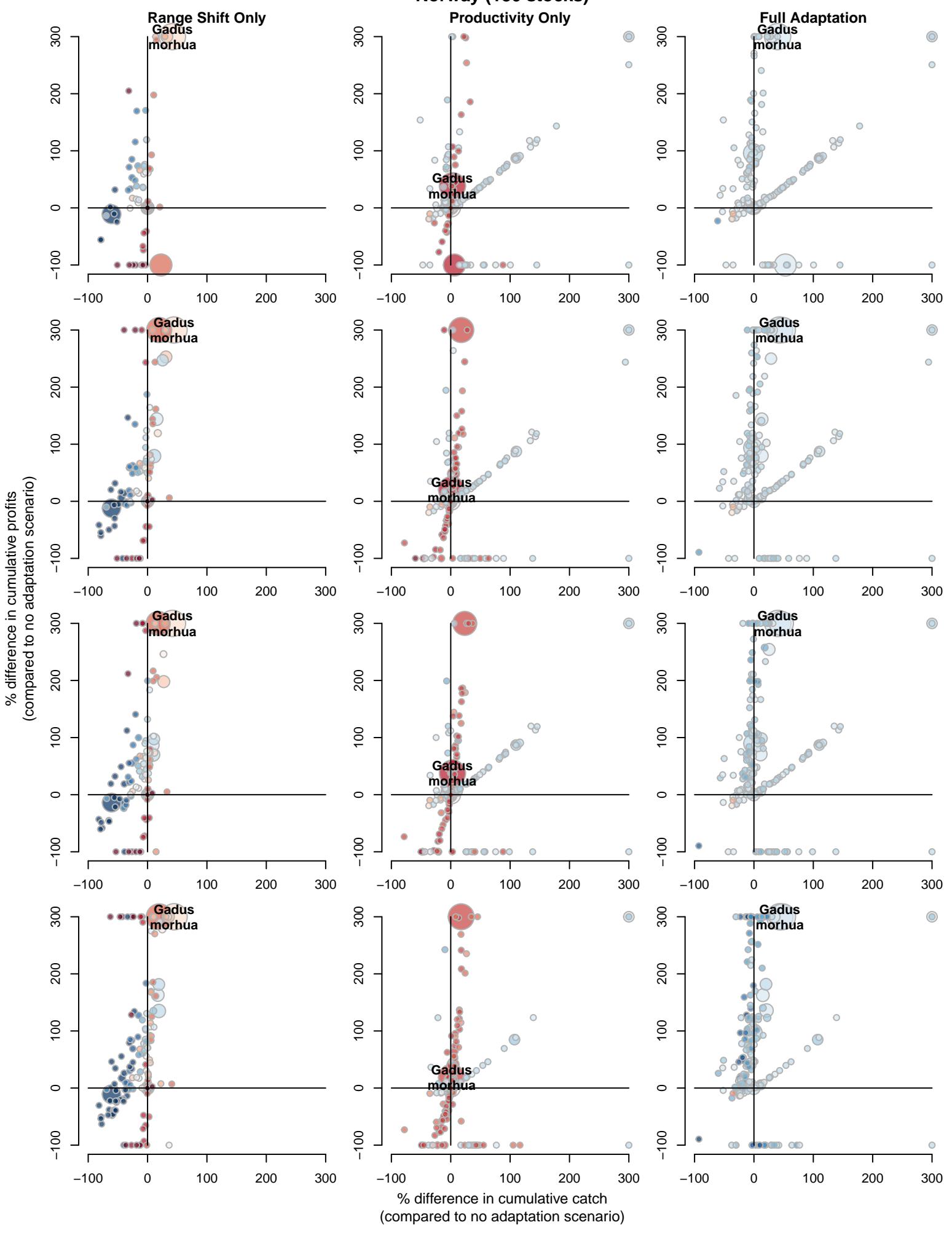
Nigeria (144 stocks)

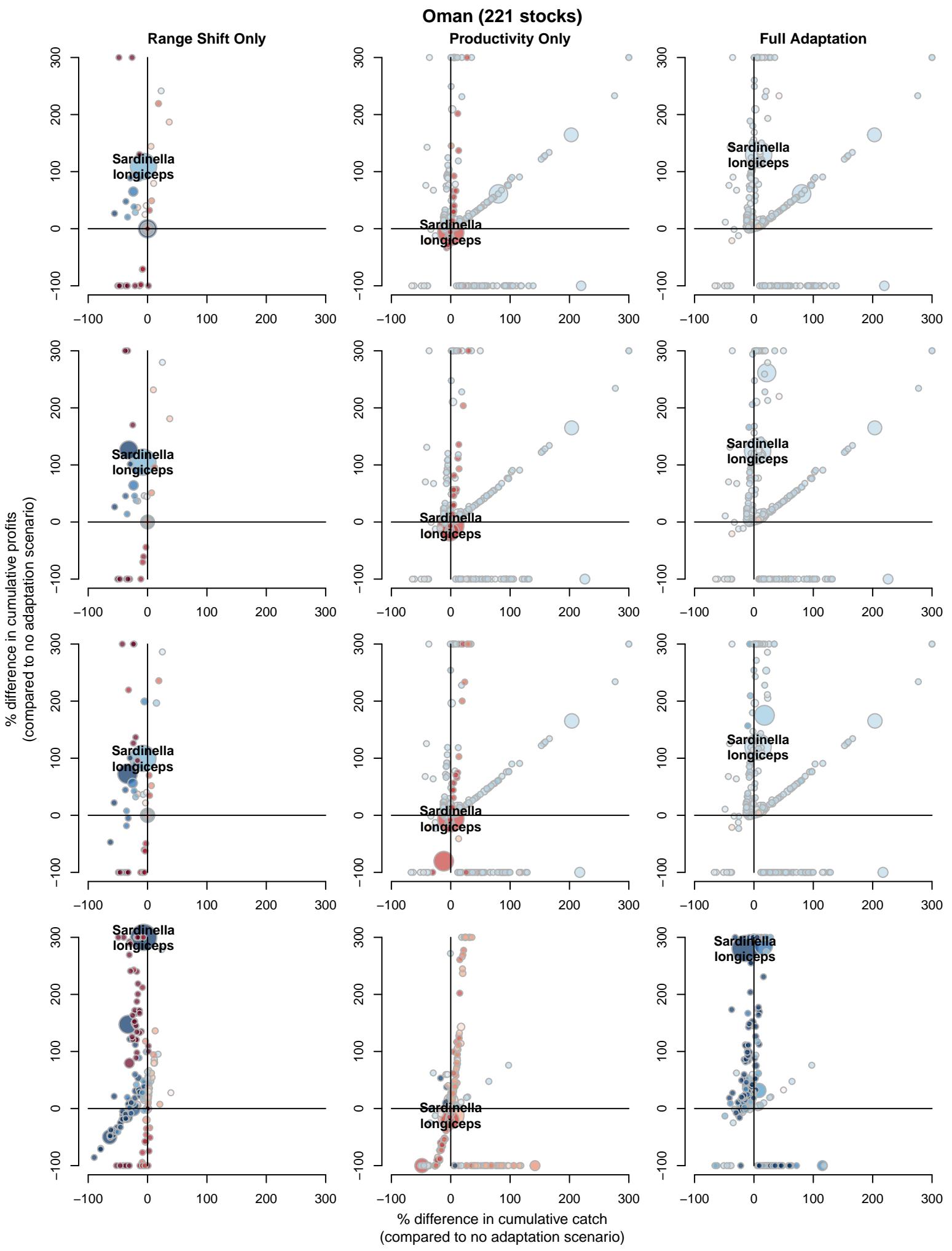


North Korea (136 stocks)

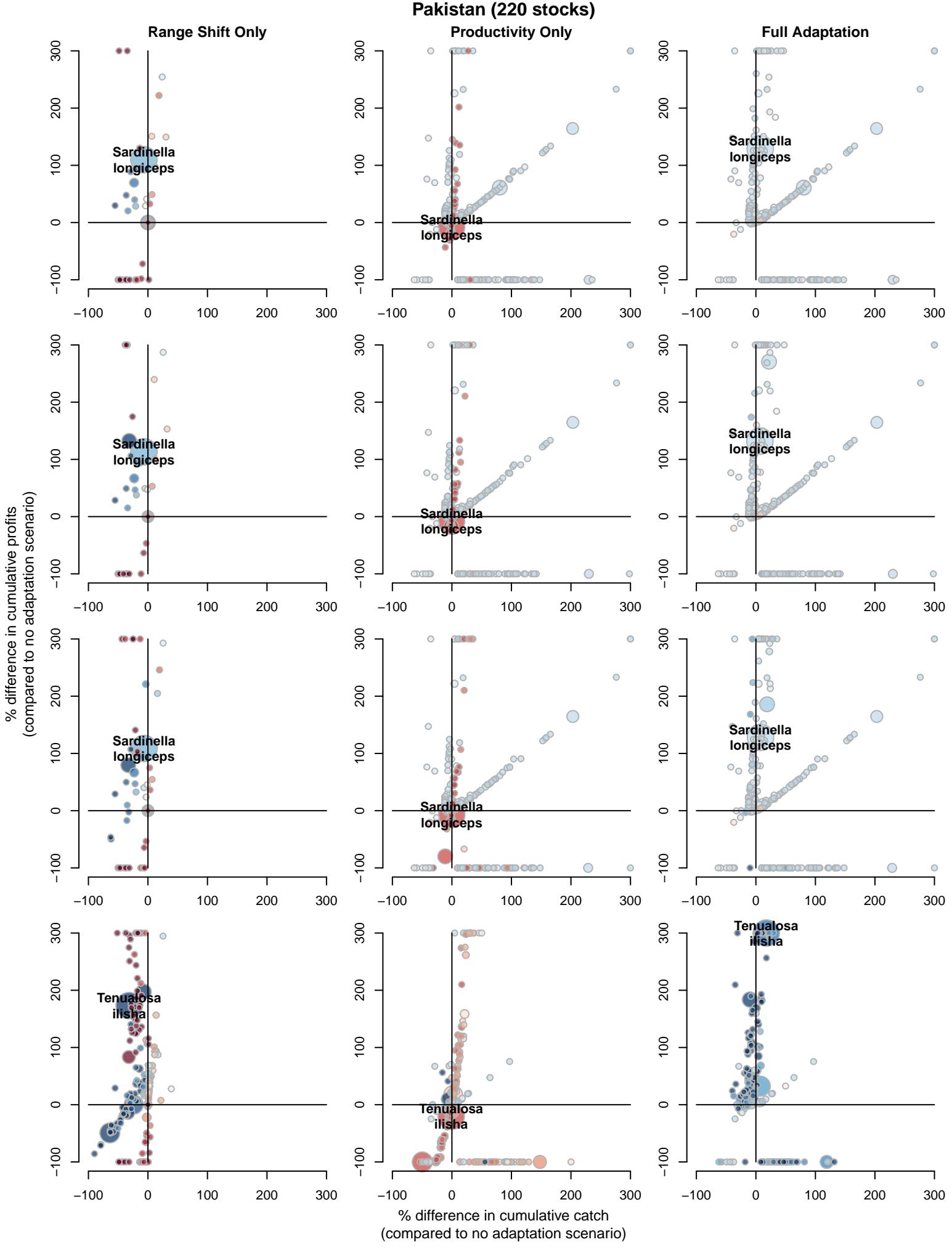


Norway (180 stocks)



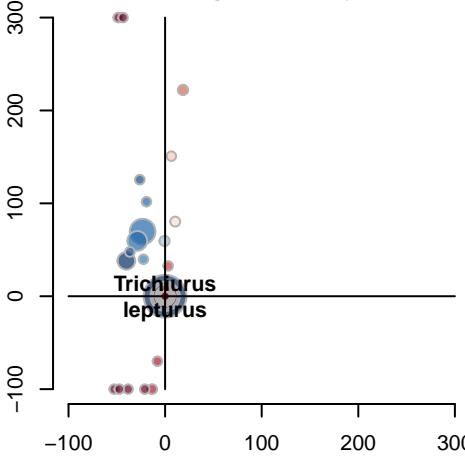


Pakistan (220 stocks)

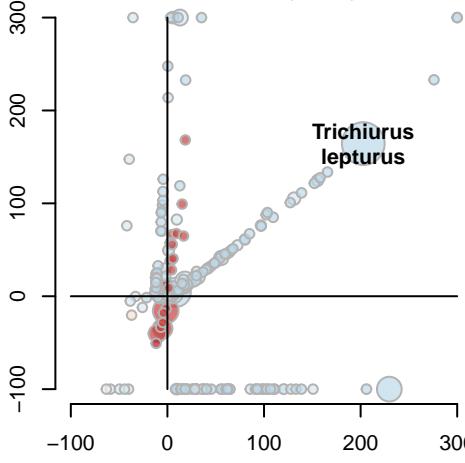




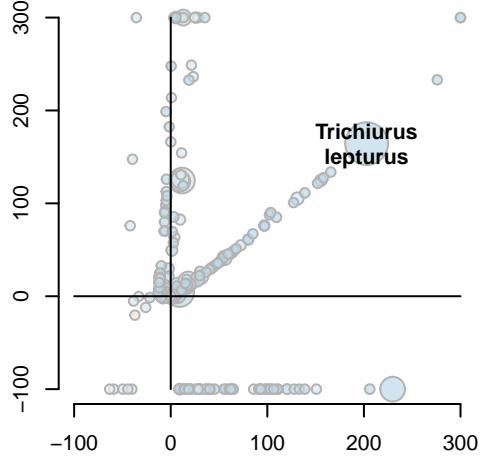
Range Shift Only



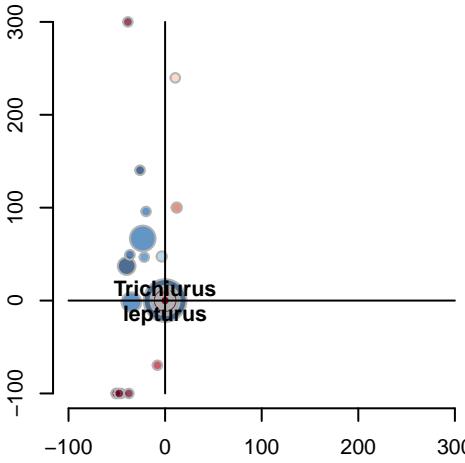
Productivity Only



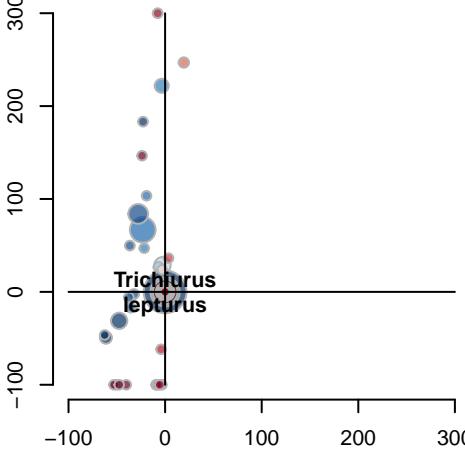
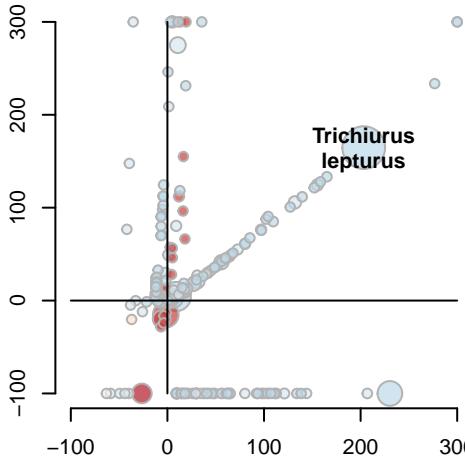
Full Adaptation



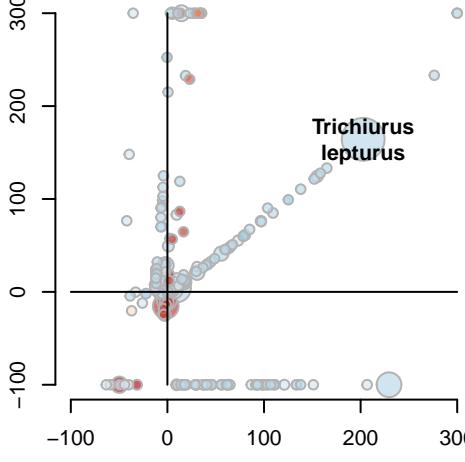
% difference in cumulative profits
(compared to no adaptation scenario)



00

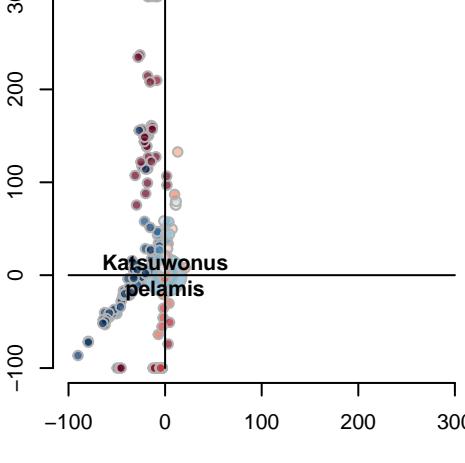


300

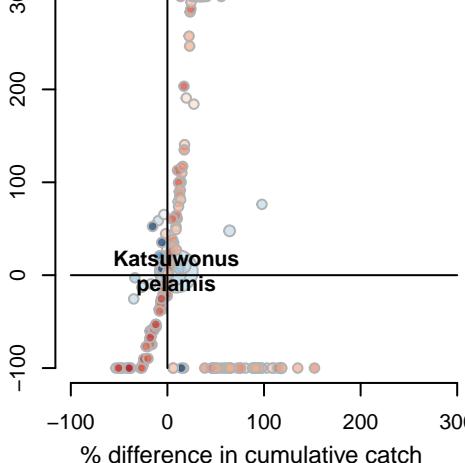


Scatter plot showing the relationship between Total length (mm) and Weight (g) for *Trichiurus lepturus*. The x-axis represents Total length (mm) and the y-axis represents Weight (g). The data points show a positive correlation, indicated by the fitted regression line.

Total length (mm)	Weight (g)
200	10
205	15
210	20
215	25
220	30
225	35
230	40
235	45
240	50
245	55
250	60
255	65
260	70
265	75
270	80
275	85
280	90
285	95
290	100



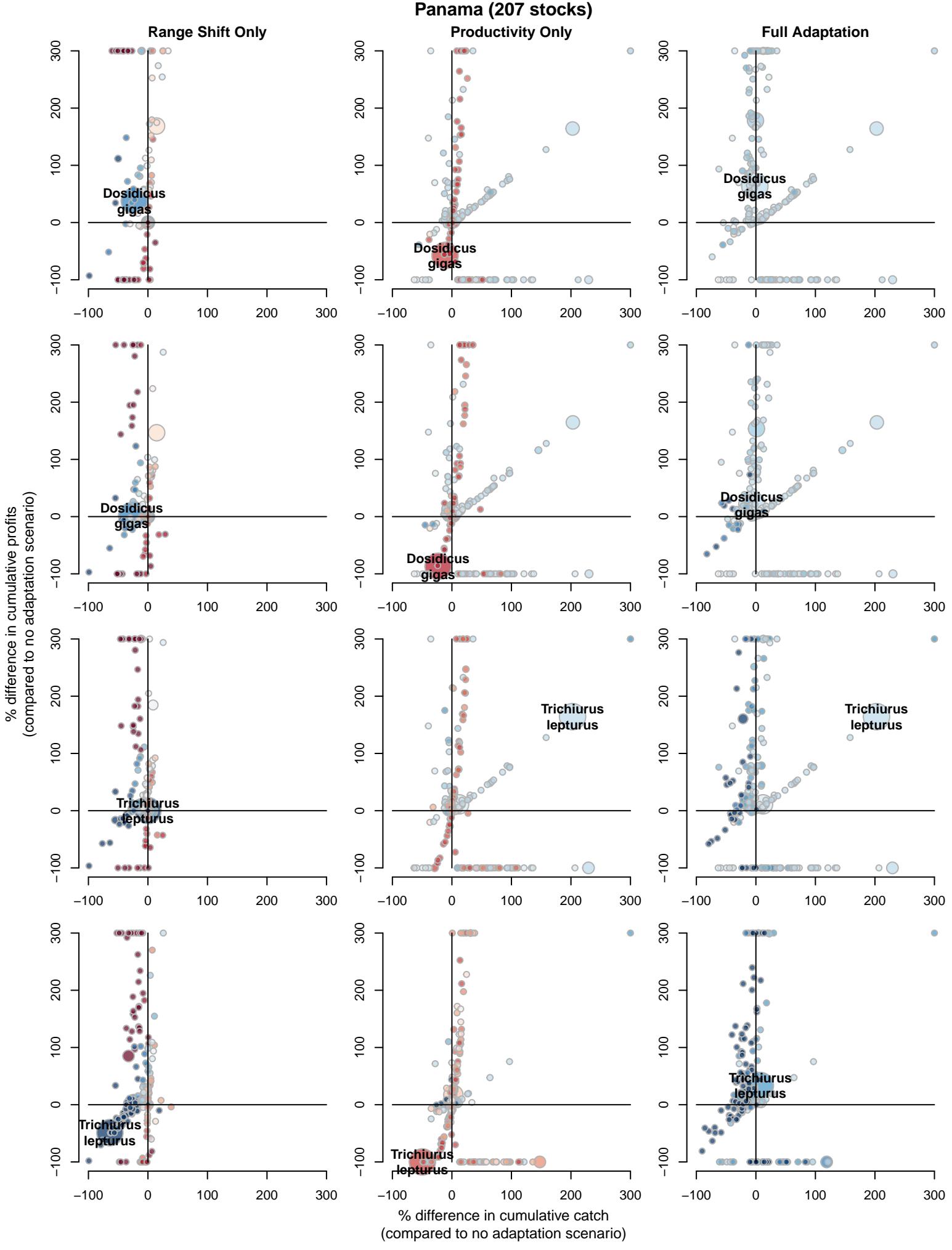
3



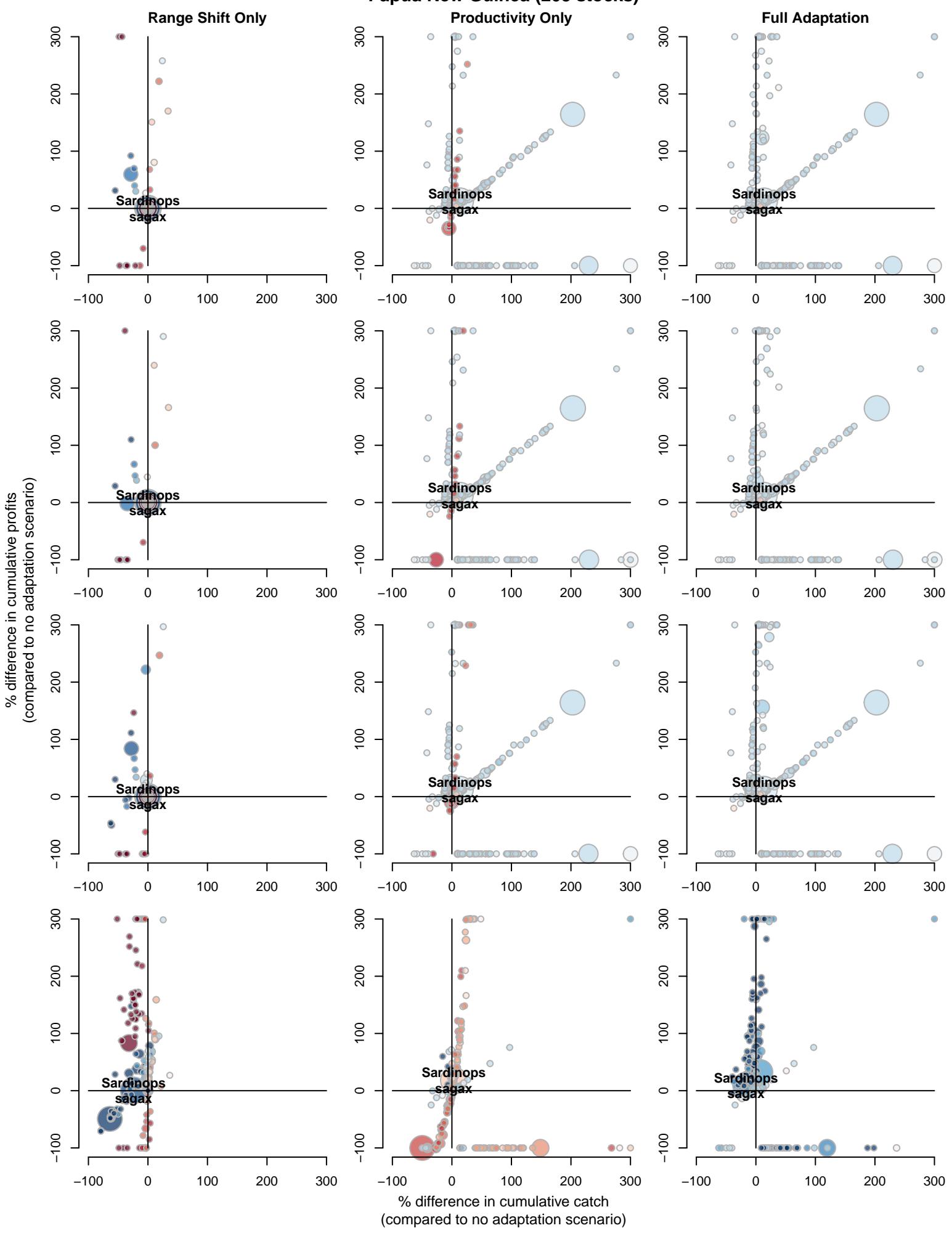
A horizontal line graph showing a constant value of approximately 1.0 from x=200 to x=300.

% difference in cumulative catch
(compared to no adaptation scenario)

Panama (207 stocks)

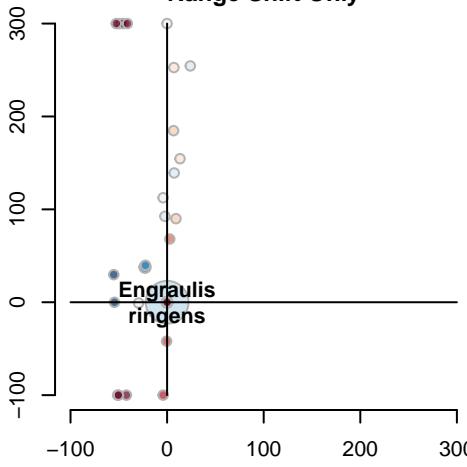


Papua New Guinea (203 stocks)

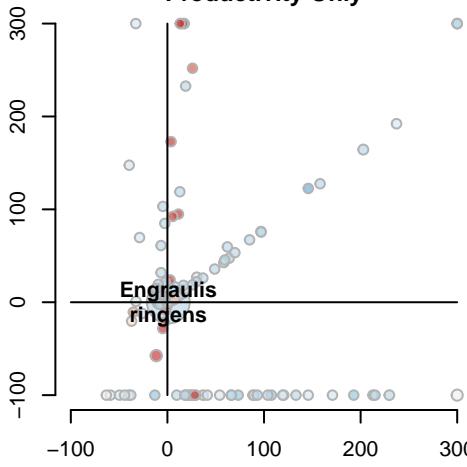


Peru (123 stocks)

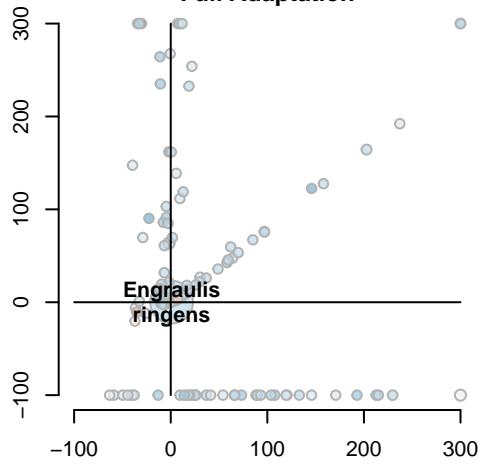
Range Shift Only



Productivity Only

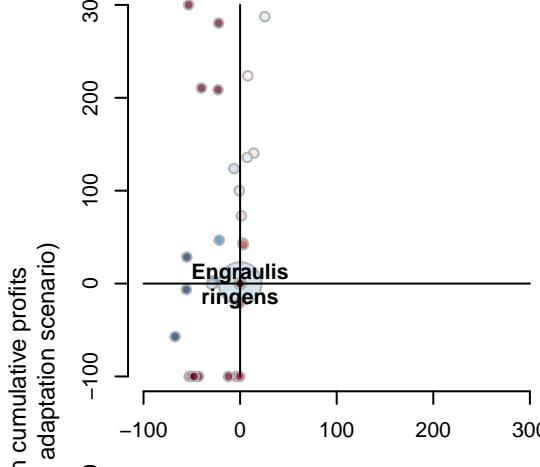


Full Adaptation

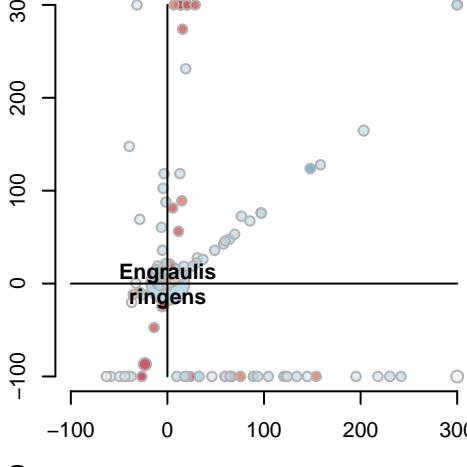


% difference in cumulative profits
(compared to no adaptation scenario)

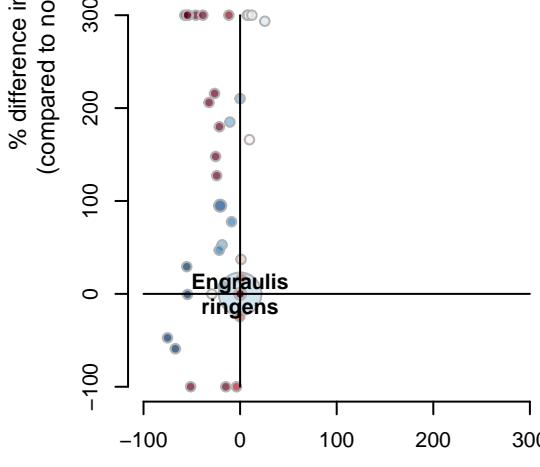
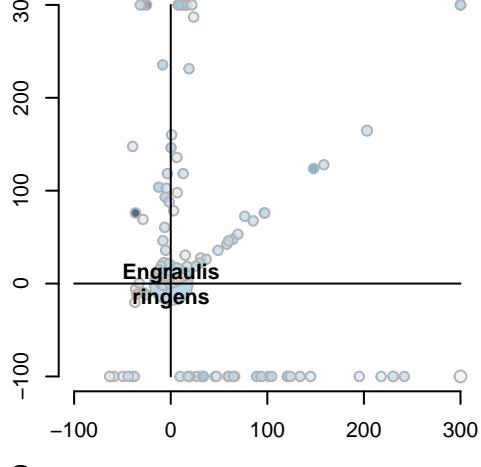
Range Shift Only



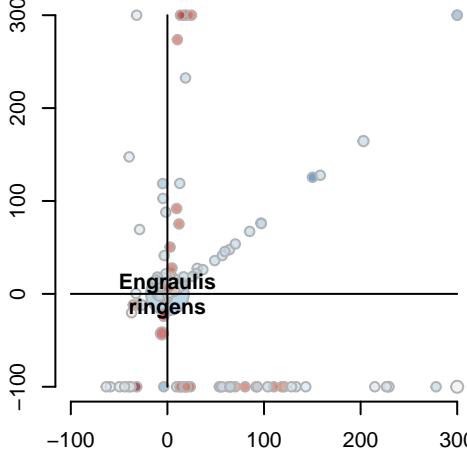
Productivity Only



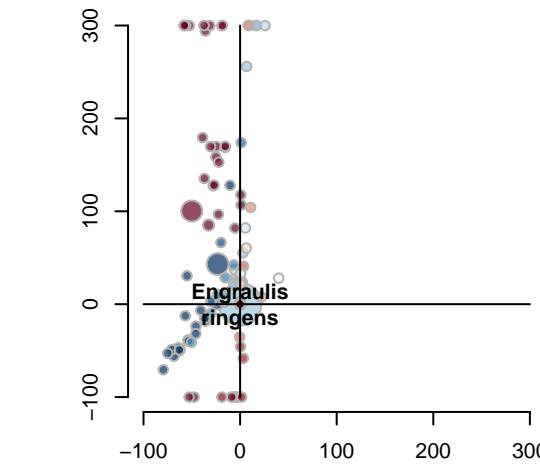
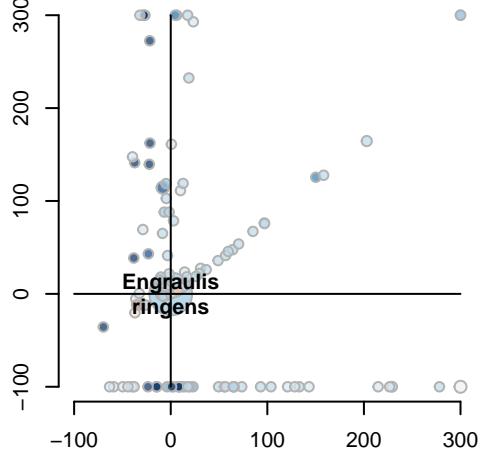
Full Adaptation



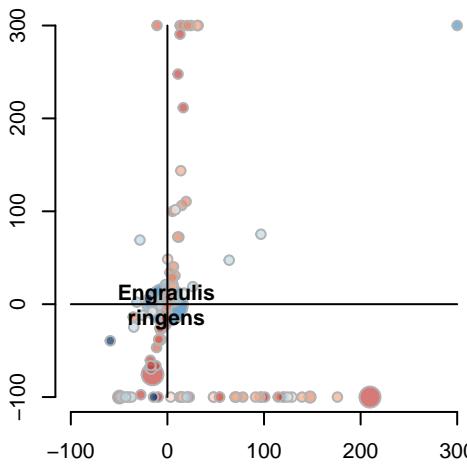
Productivity Only



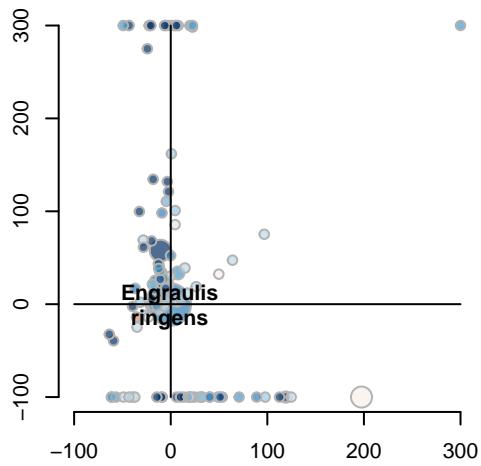
Full Adaptation



Productivity Only

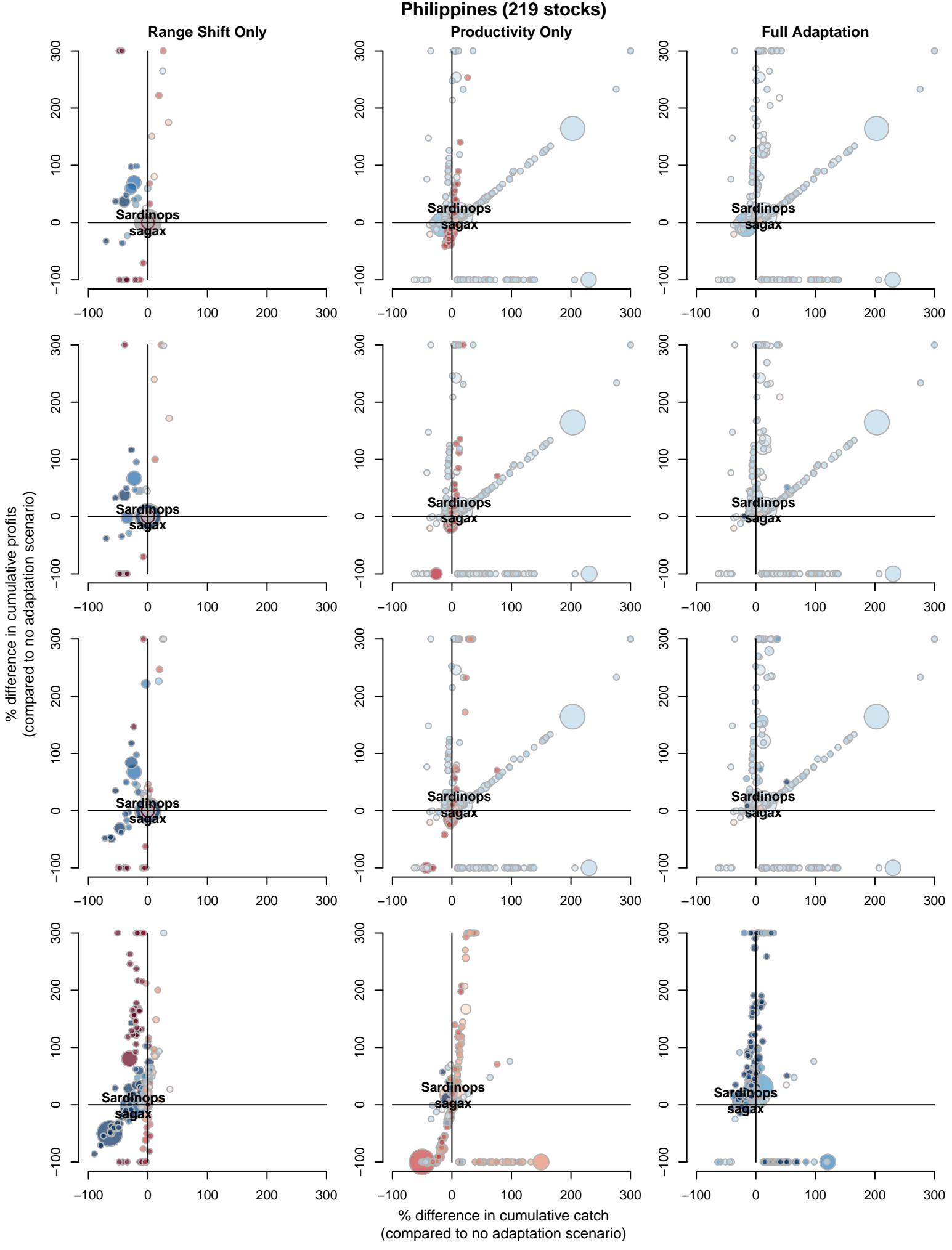


Full Adaptation

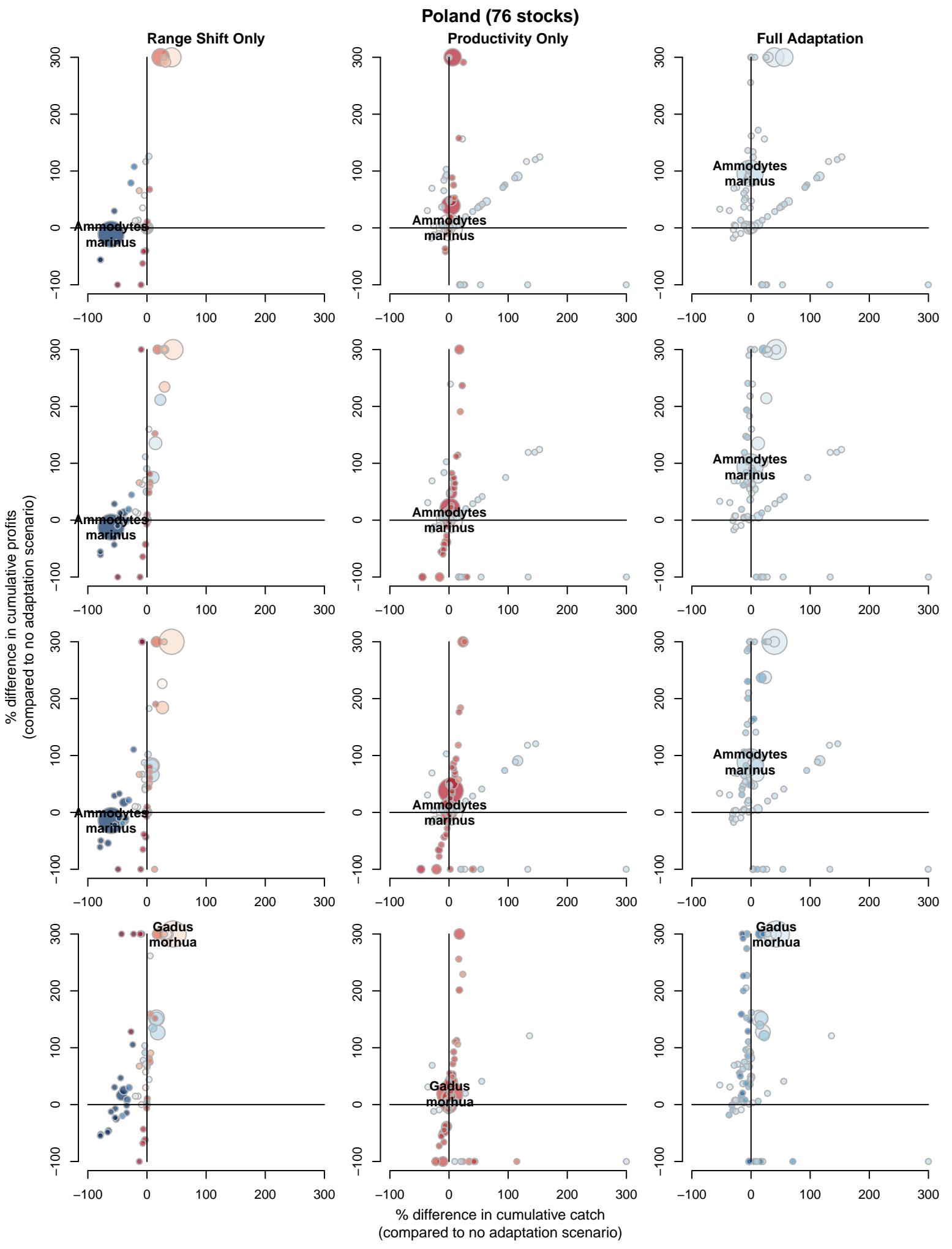


% difference in cumulative catch
(compared to no adaptation scenario)

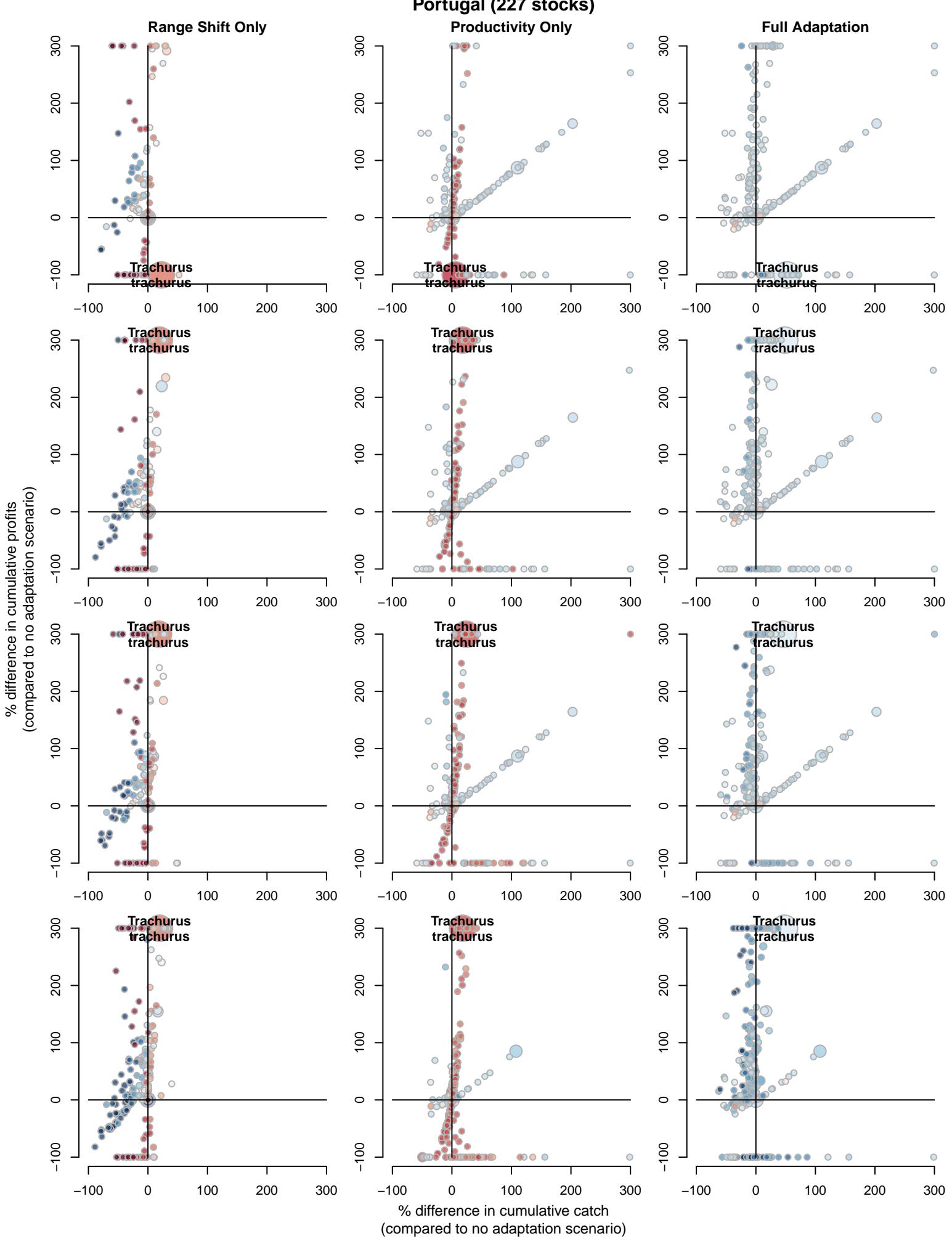
Philippines (219 stocks)

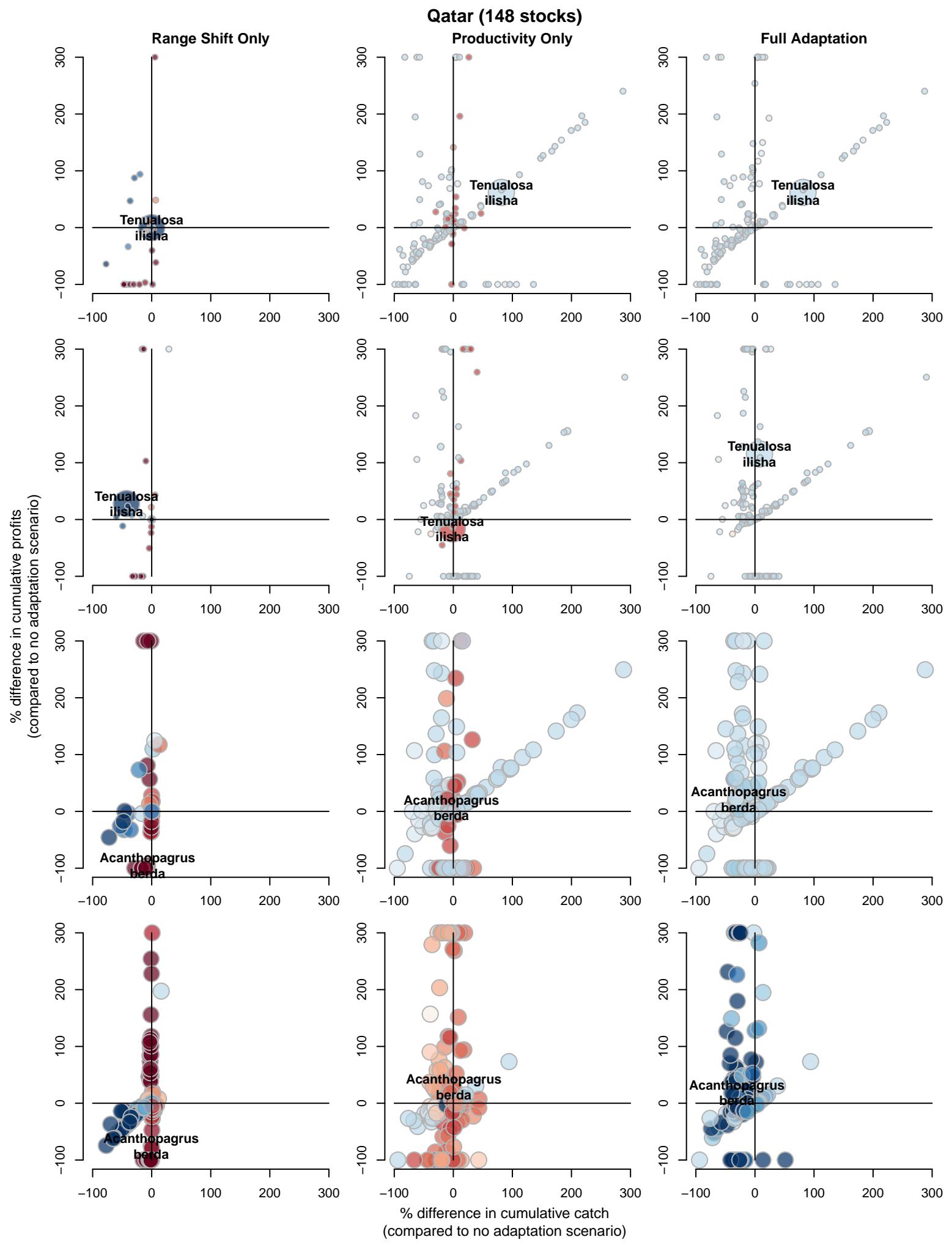


Poland (76 stocks)

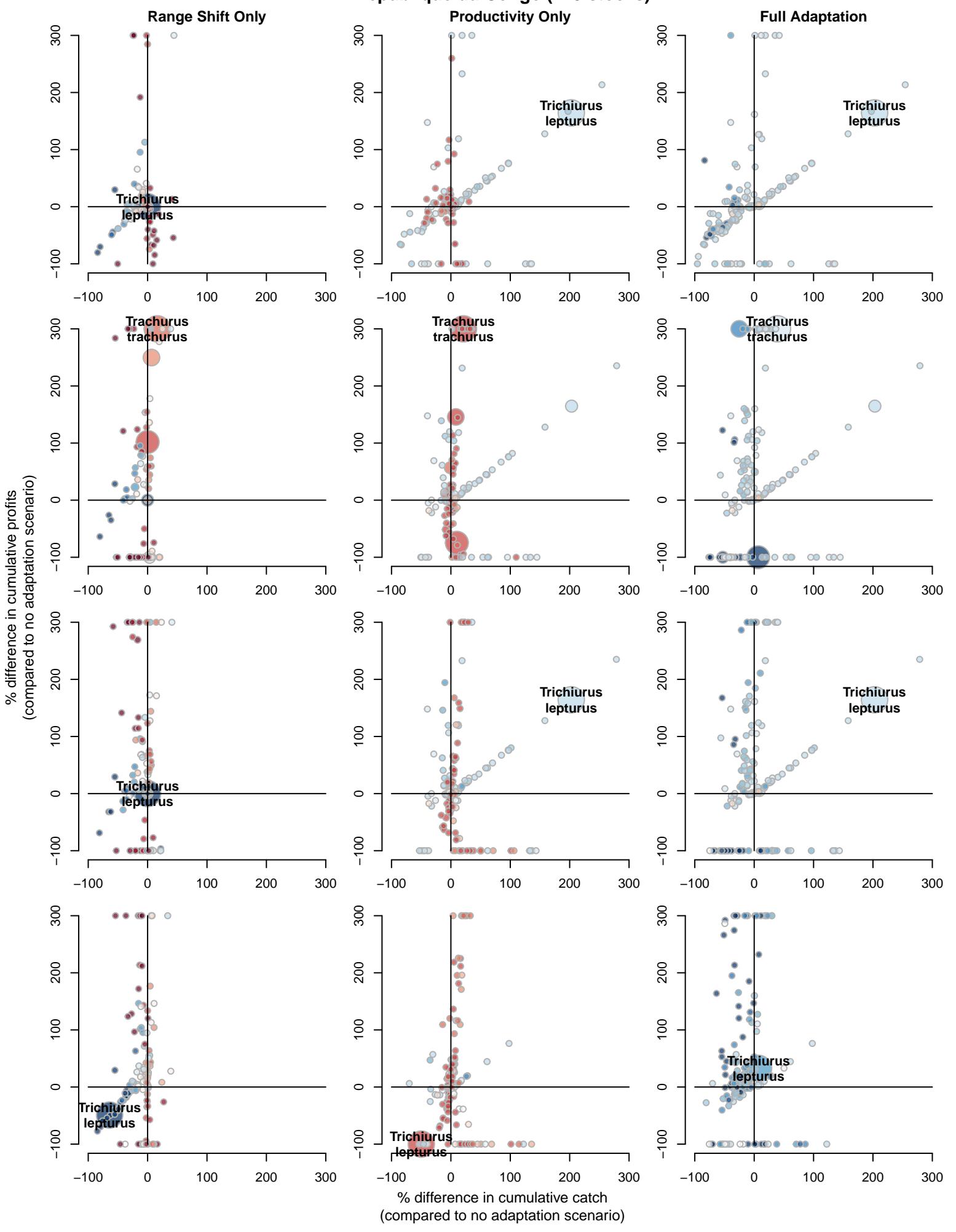


Portugal (227 stocks)

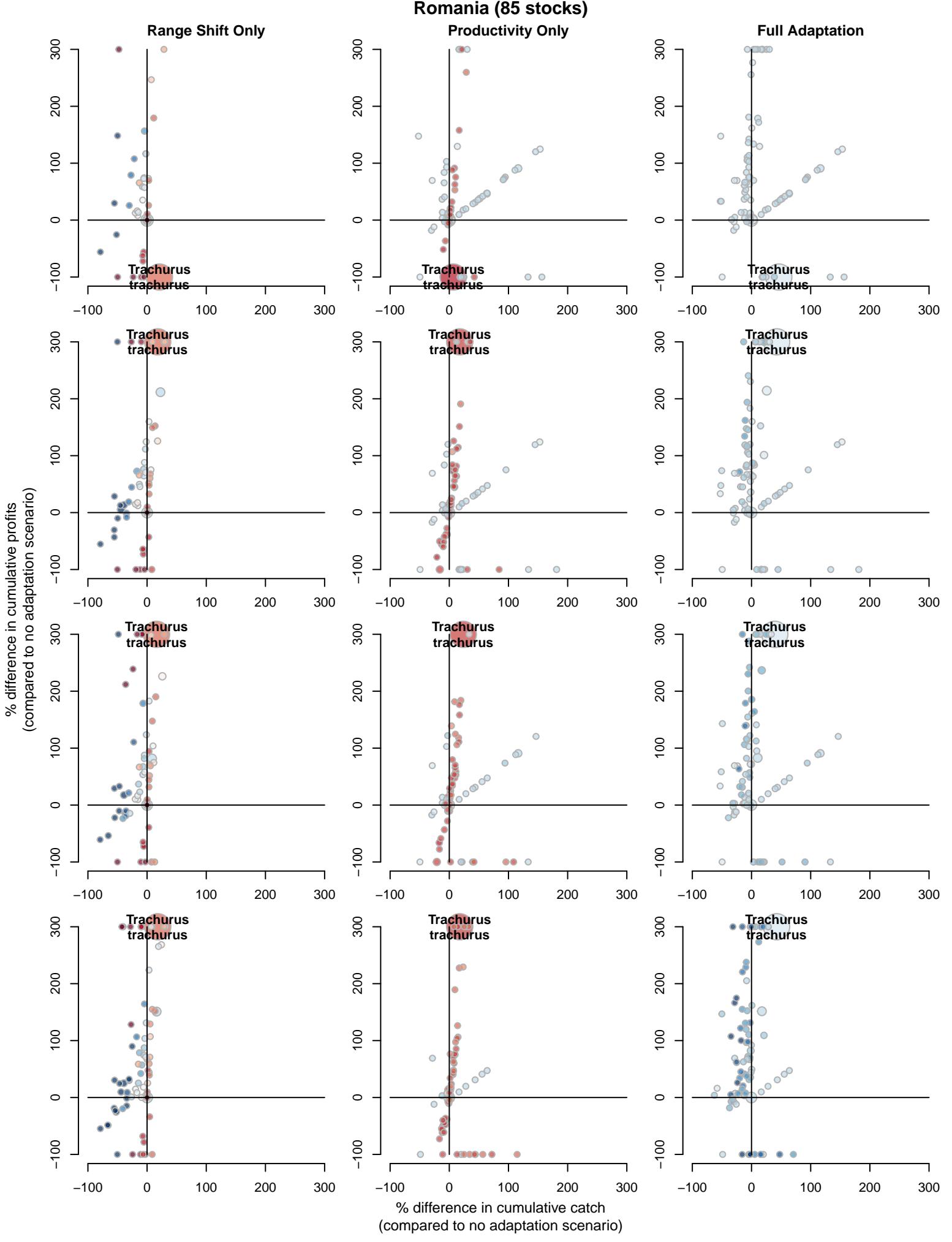




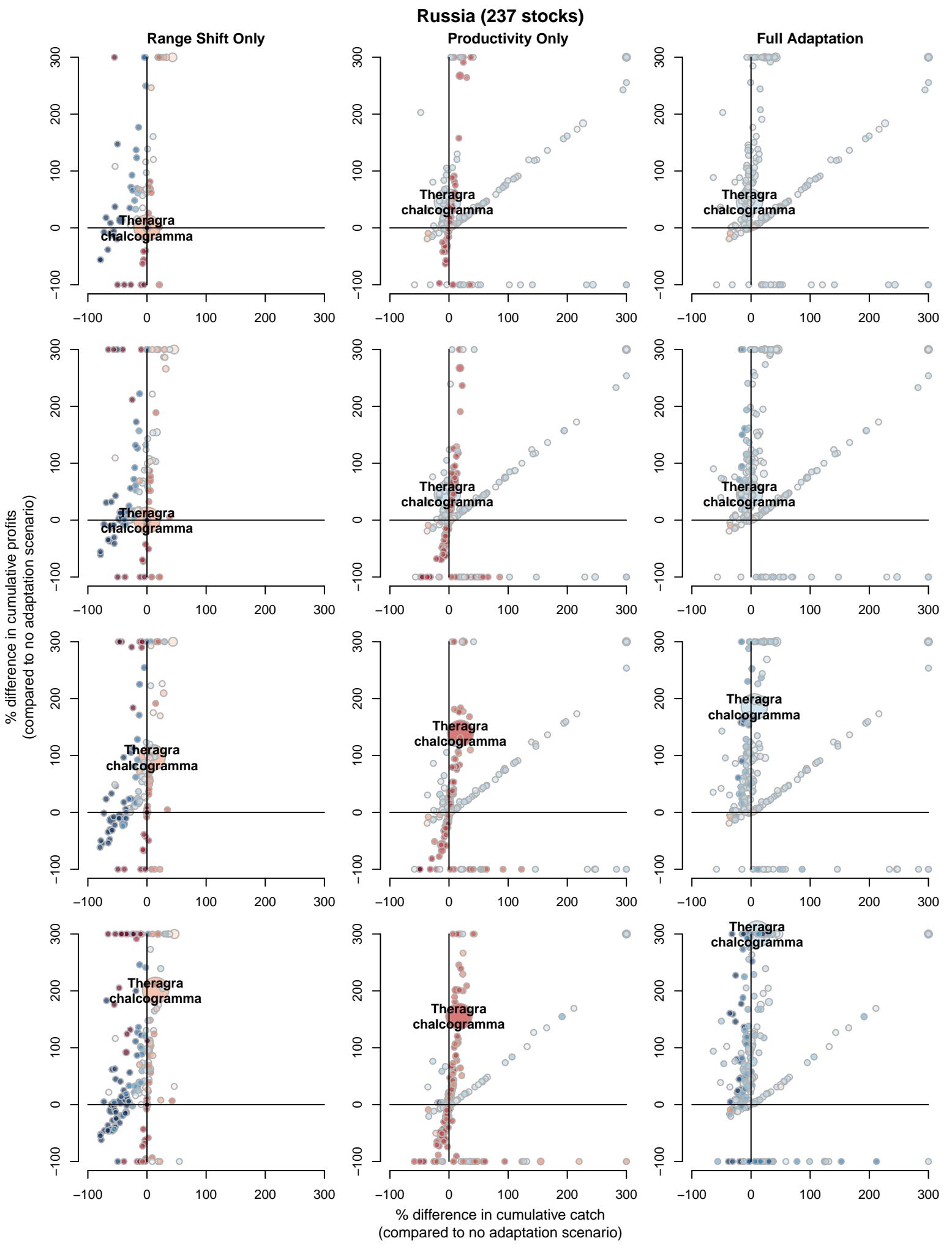
République du Congo (149 stocks)



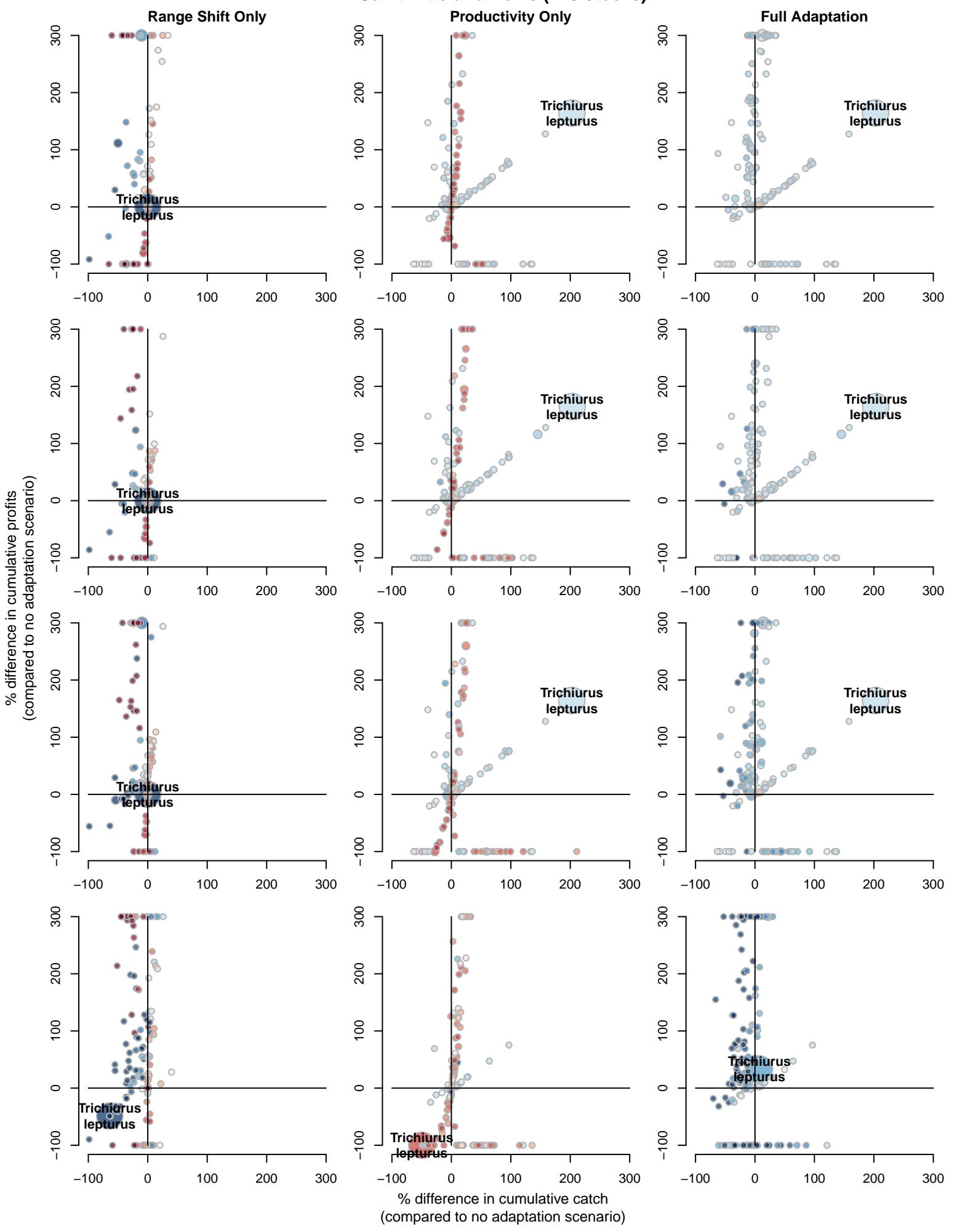
Romania (85 stocks)



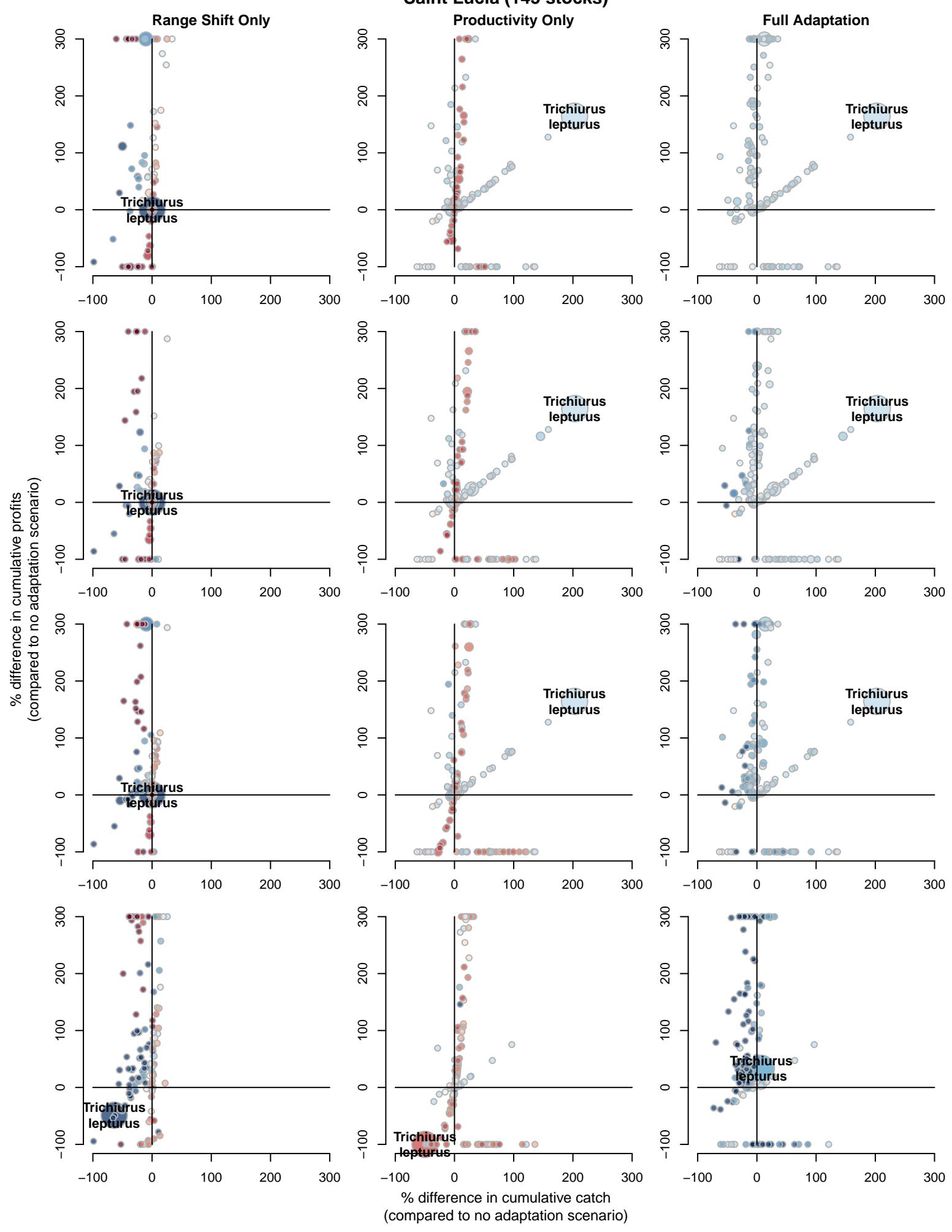
Russia (237 stocks)



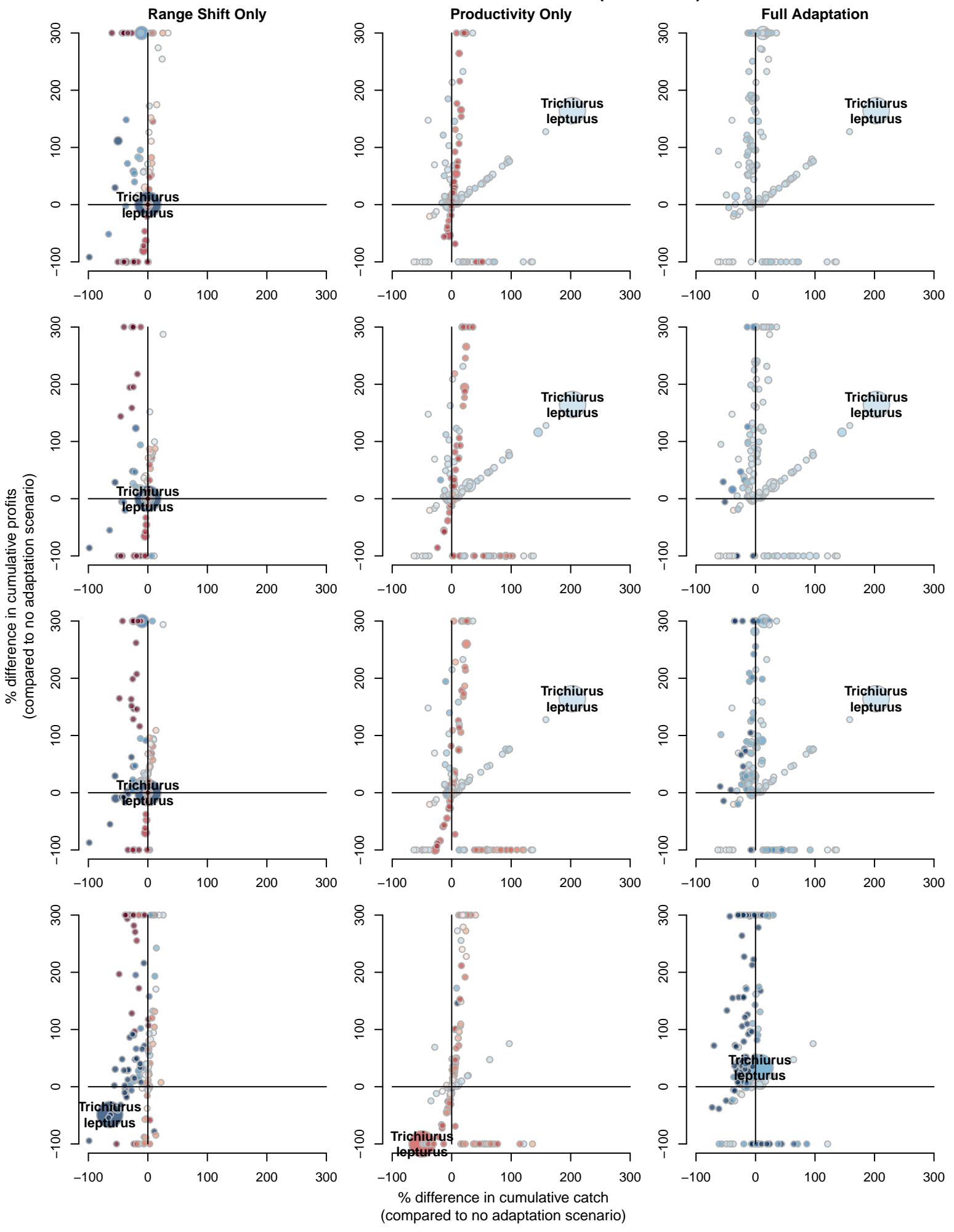
Saint Kitts and Nevis (145 stocks)



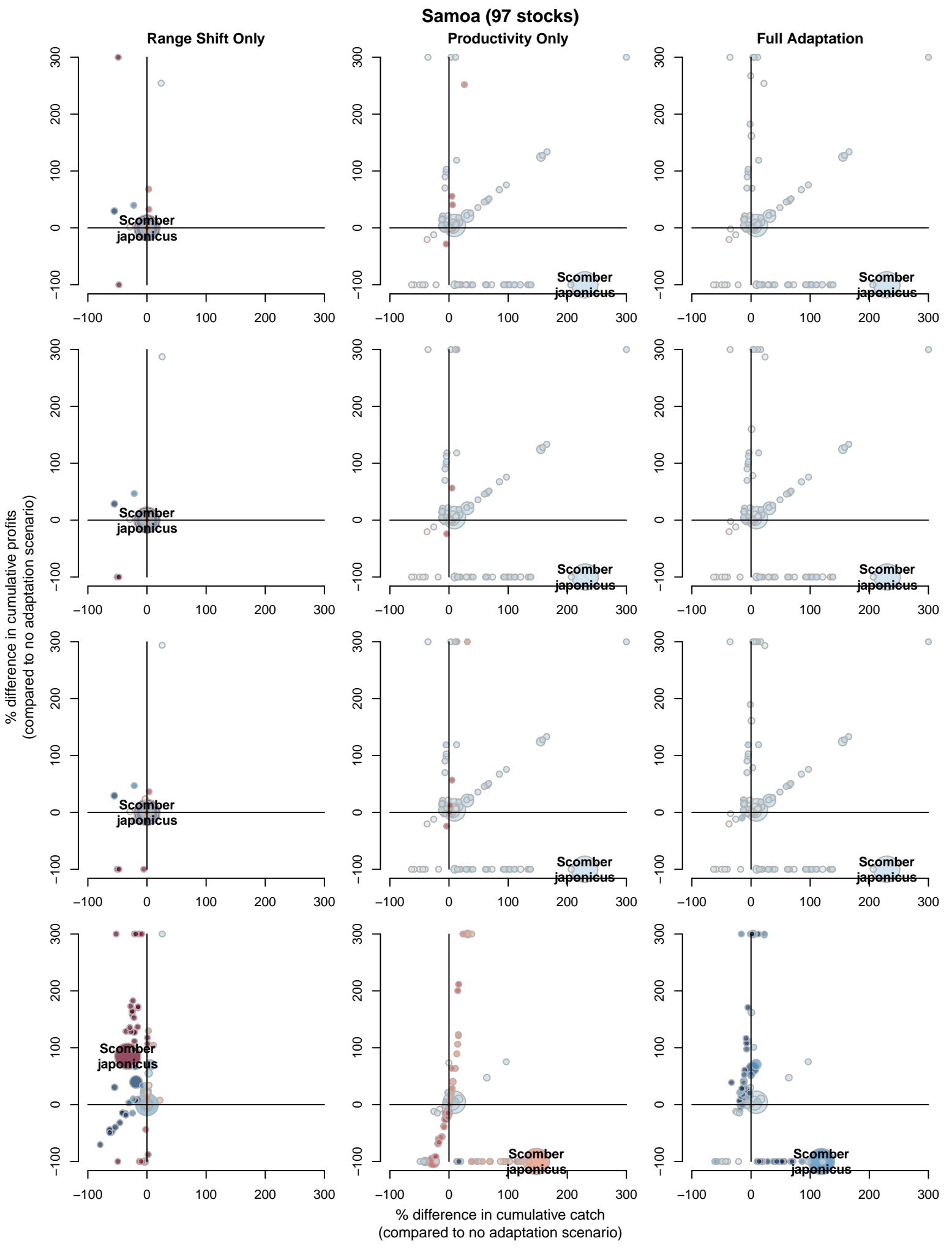
Saint Lucia (145 stocks)



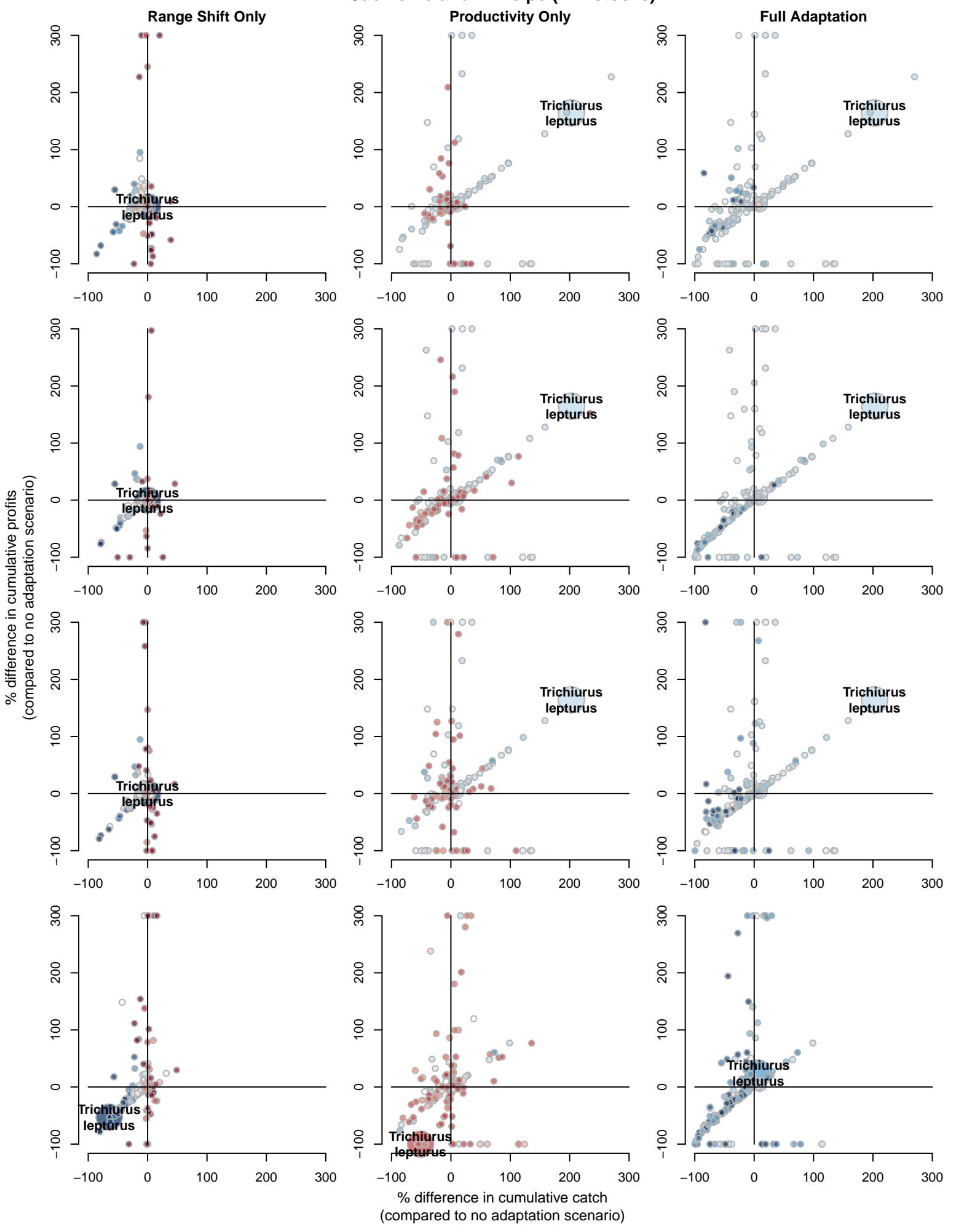
Saint Vincent and the Grenadines (146 stocks)



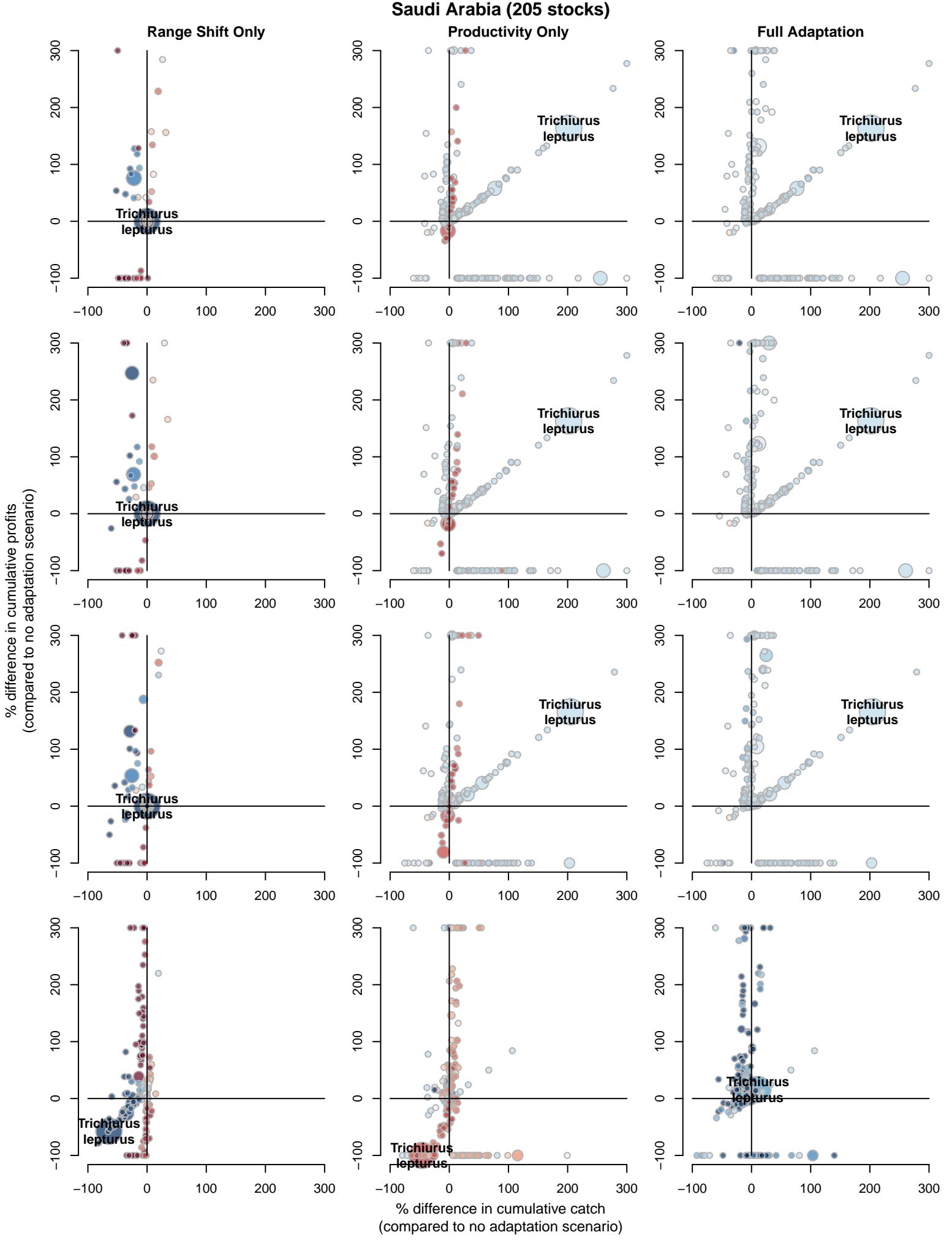
Samoa (97 stocks)



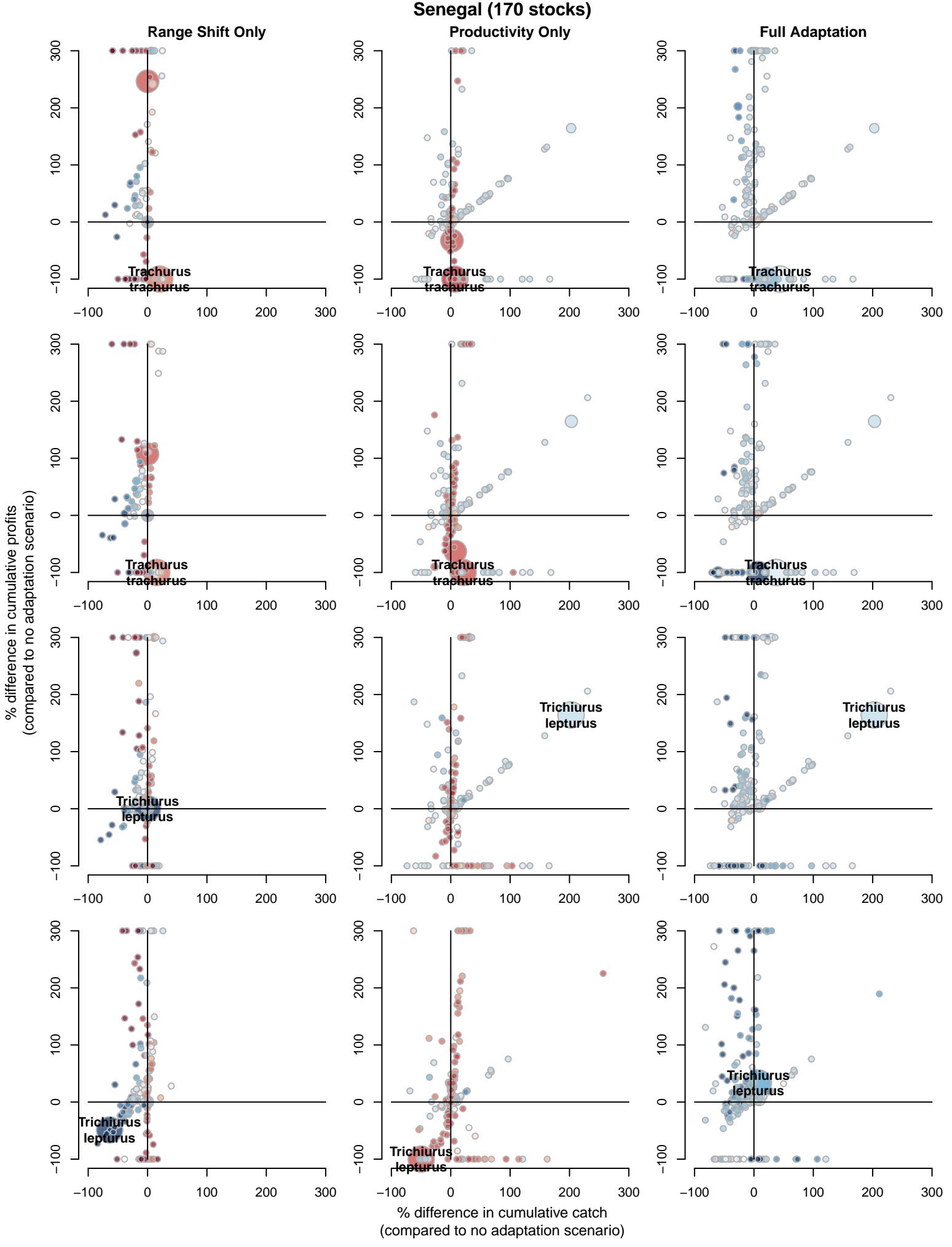
Sao Tome and Principe (144 stocks)



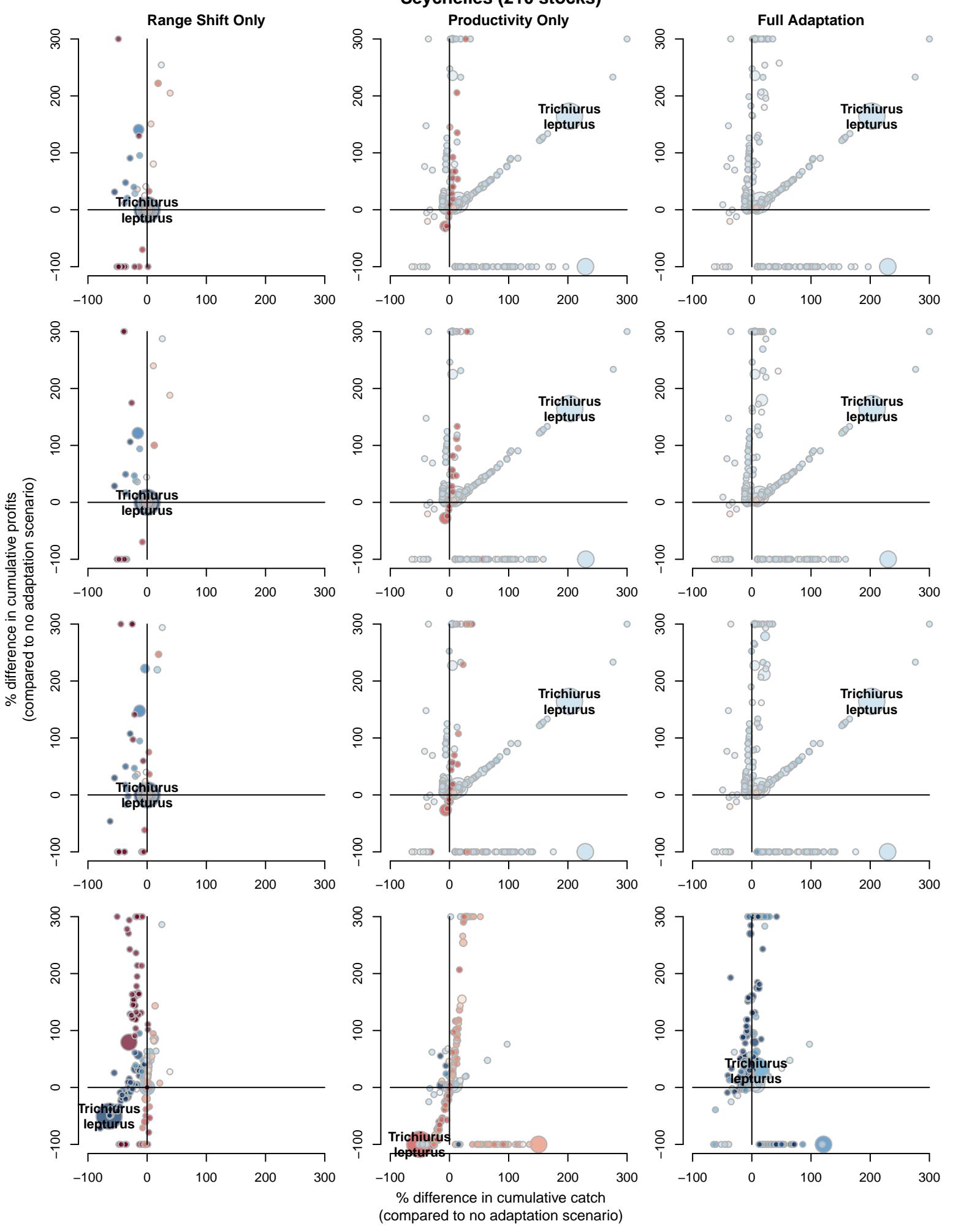
Saudi Arabia (205 stocks)



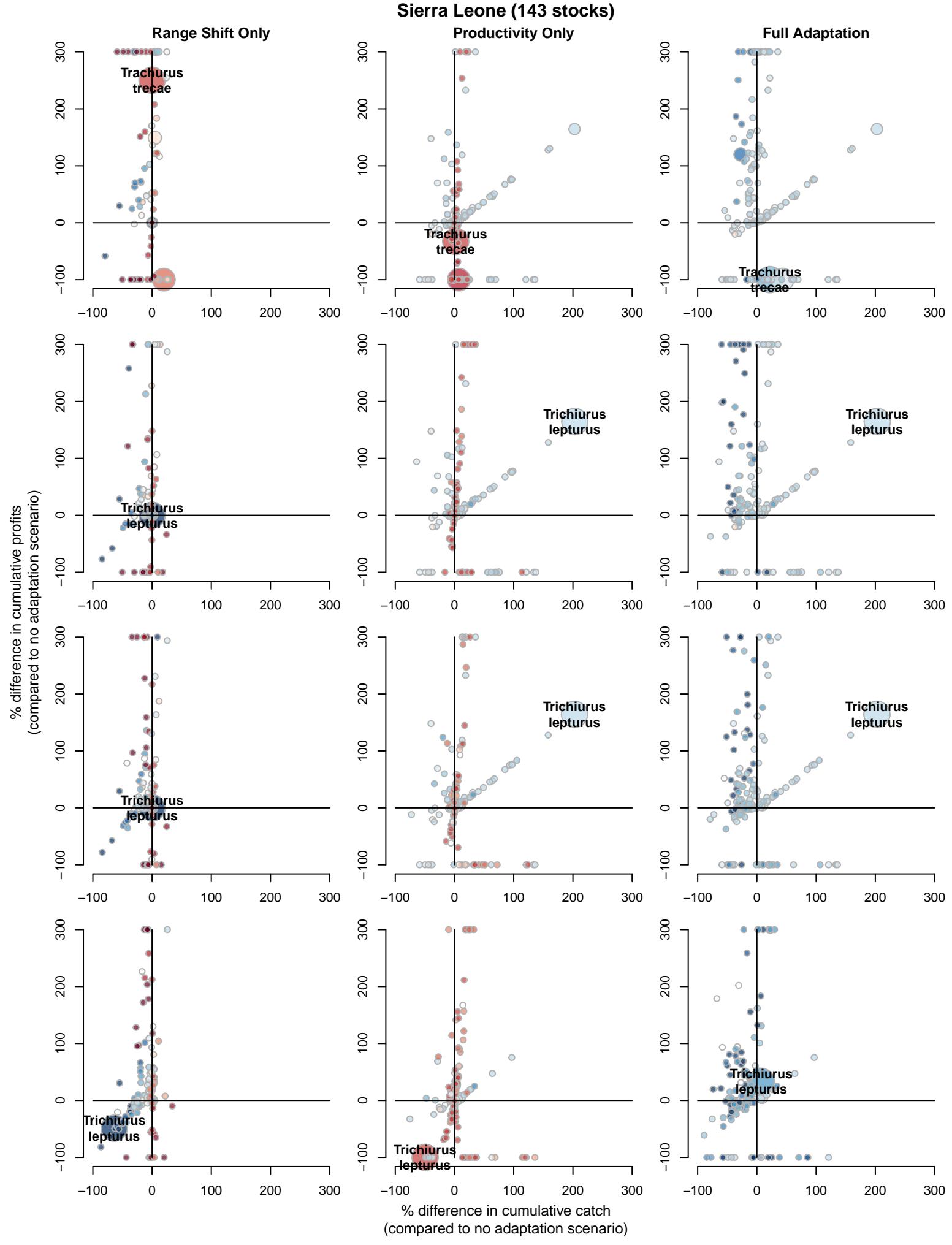
Senegal (170 stocks)



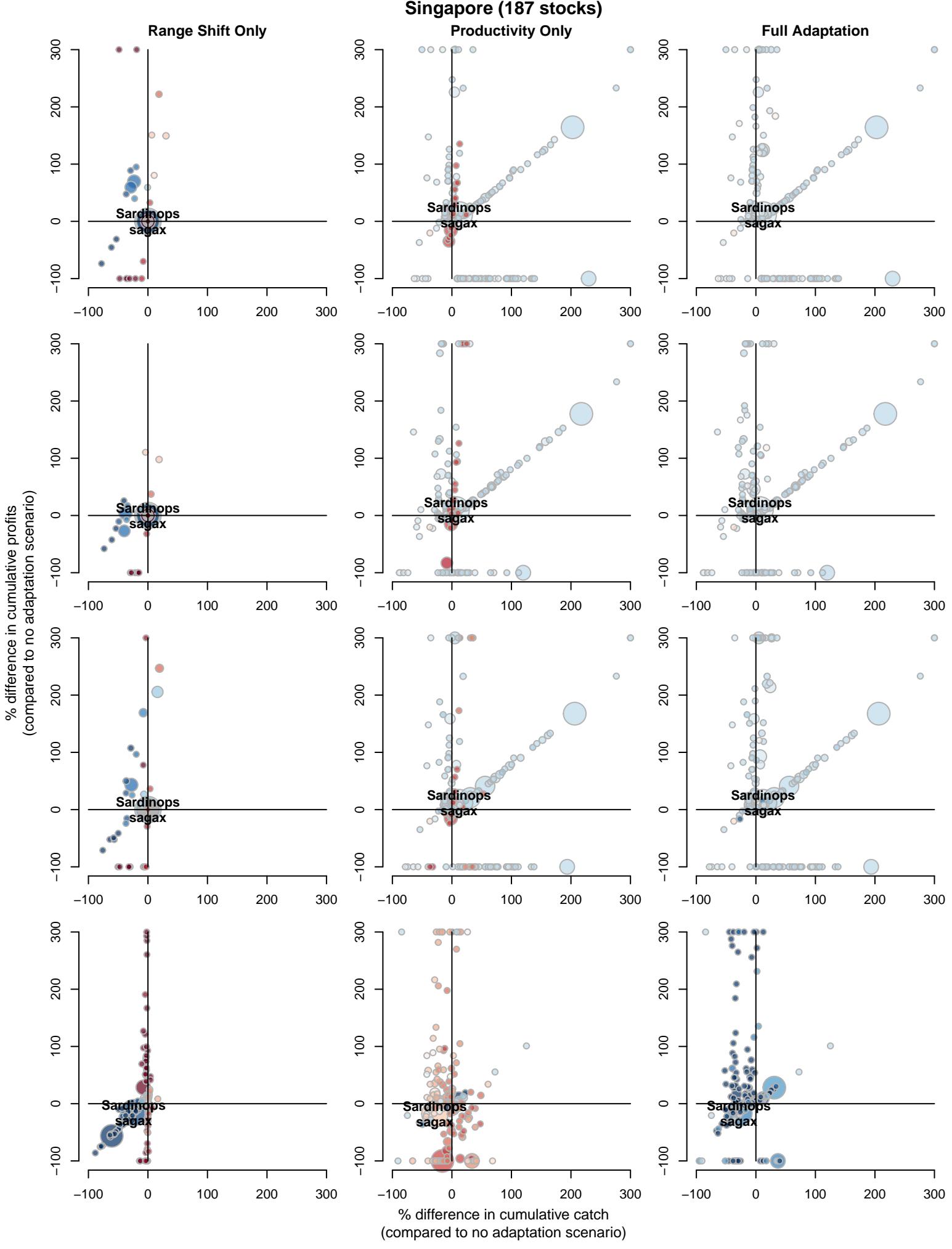
Seychelles (210 stocks)



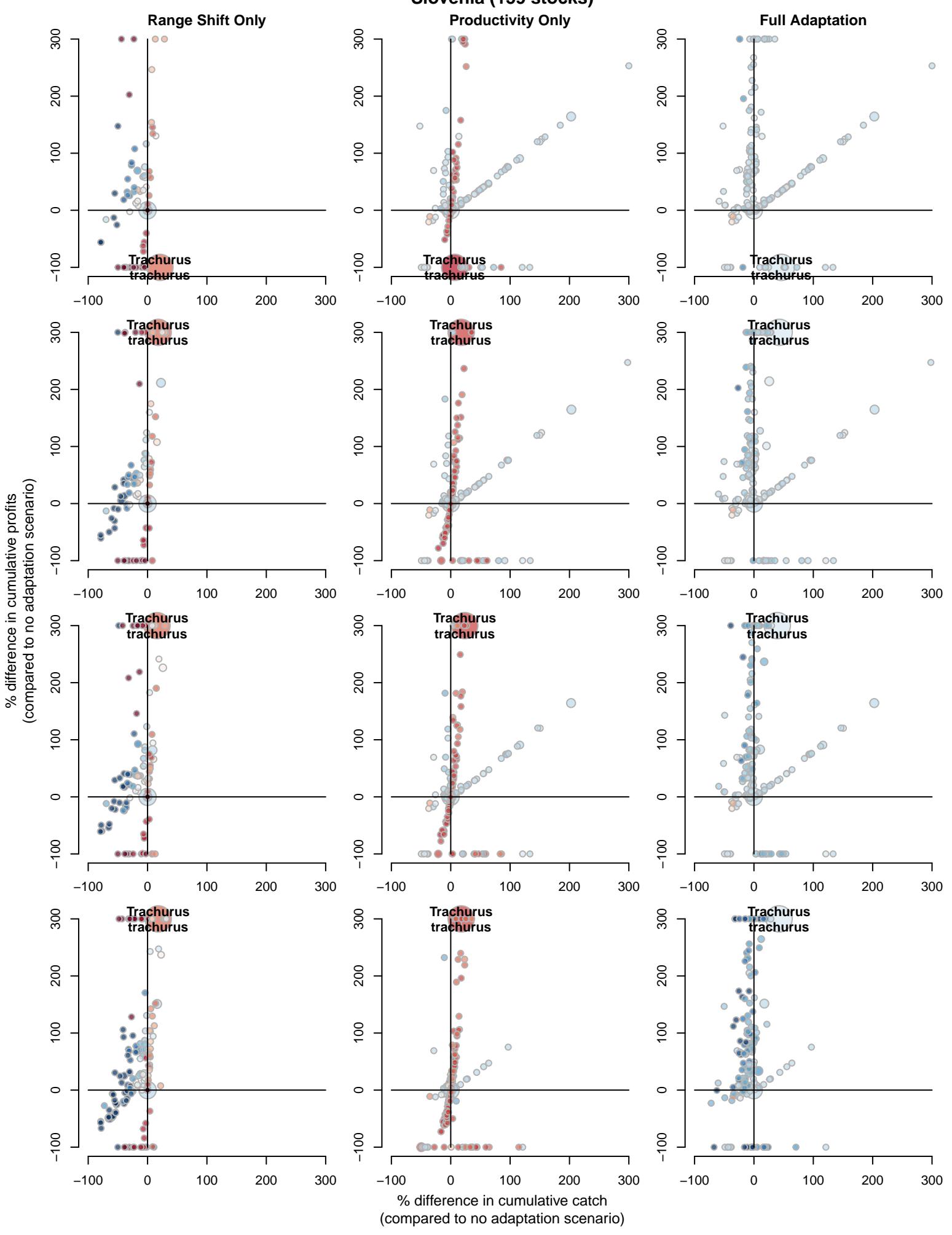
Sierra Leone (143 stocks)



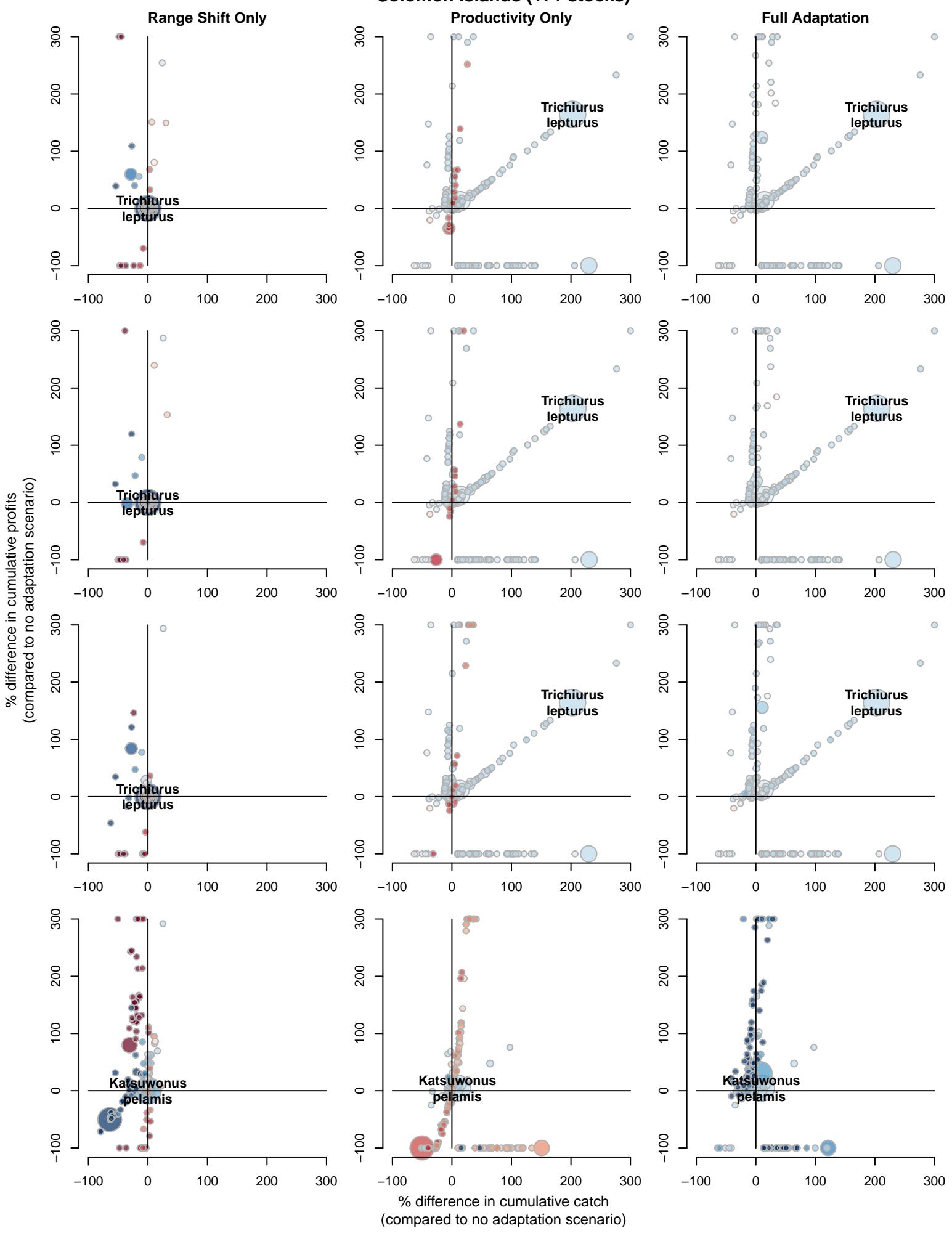
Singapore (187 stocks)



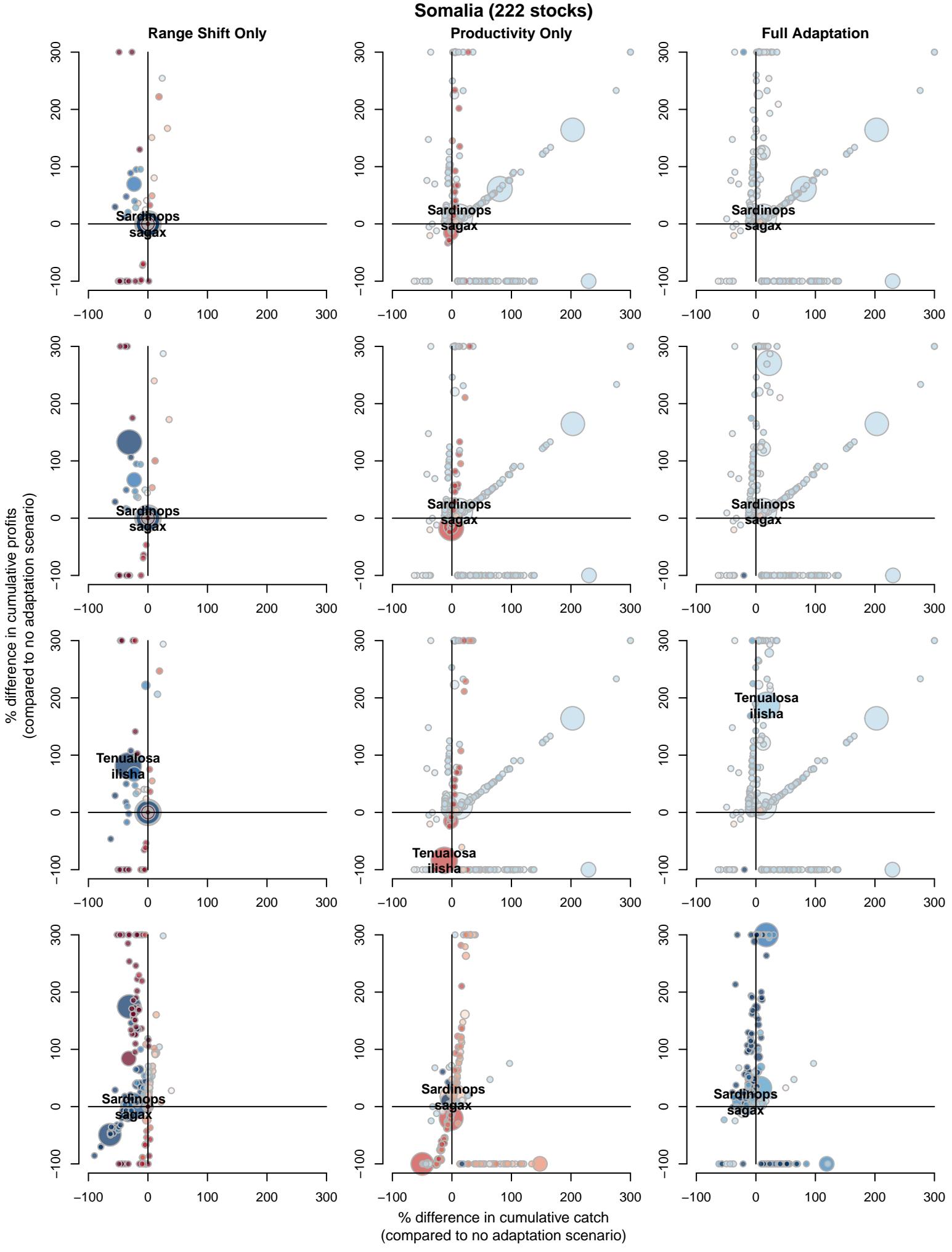
Slovenia (159 stocks)



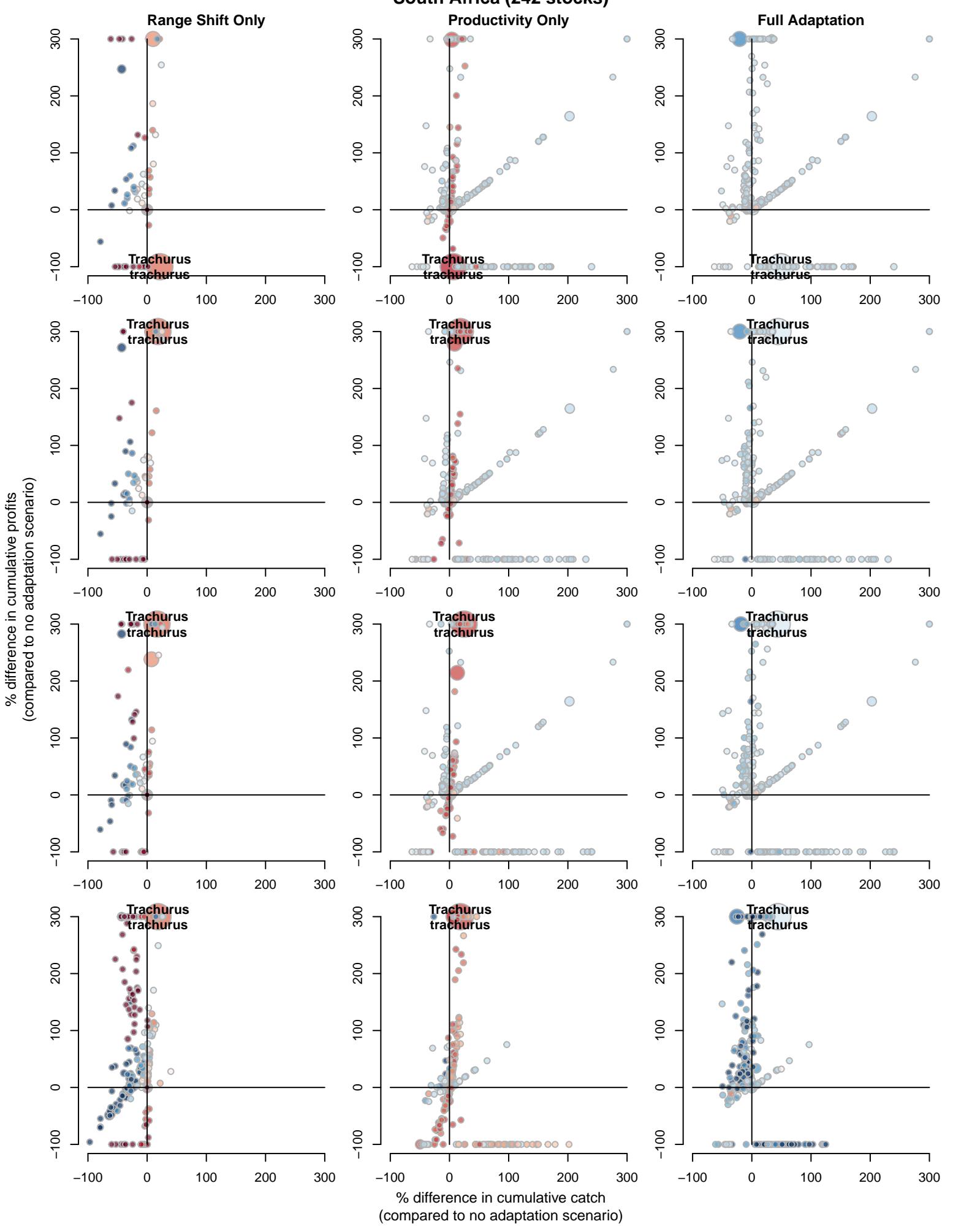
Solomon Islands (171 stocks)



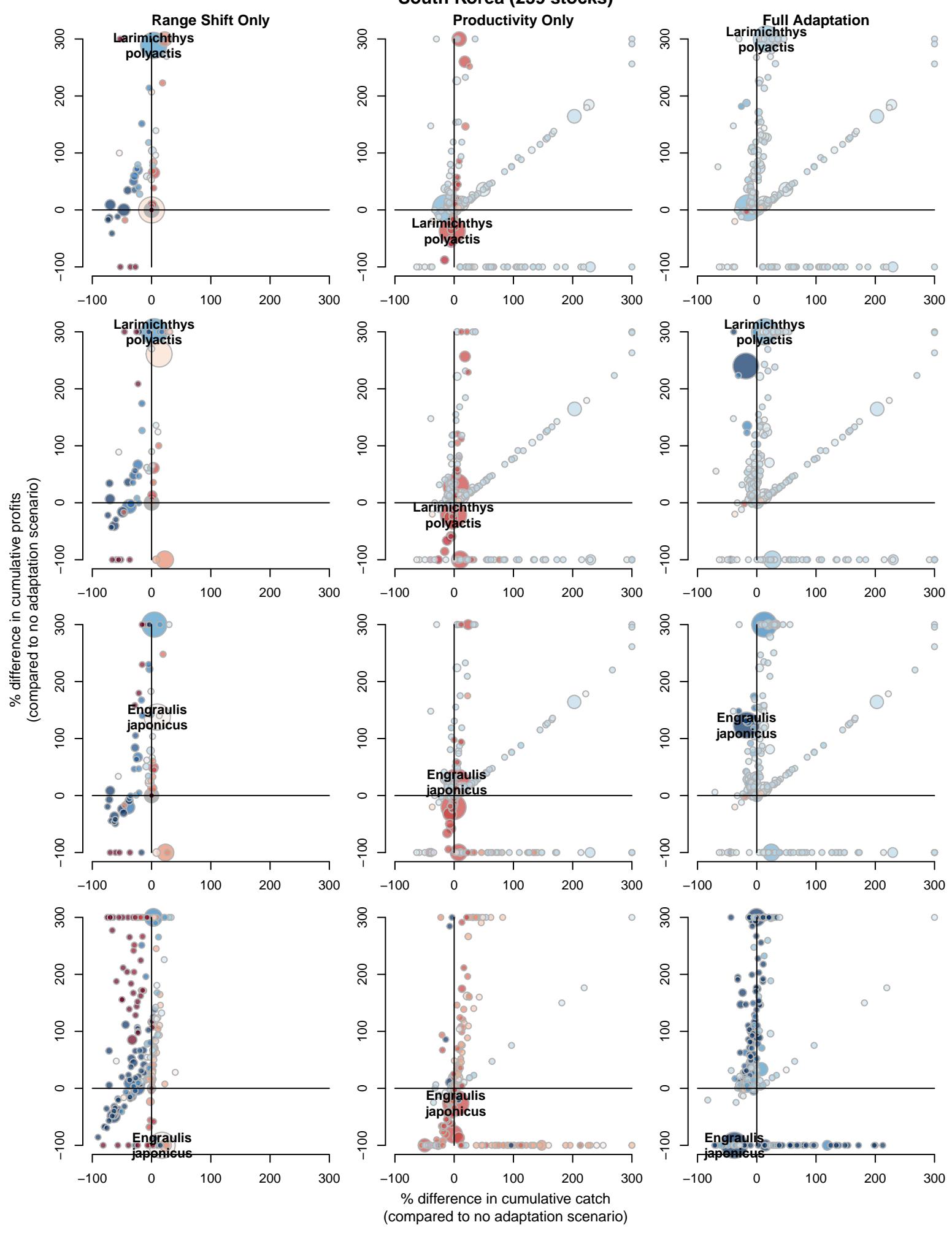
Somalia (222 stocks)



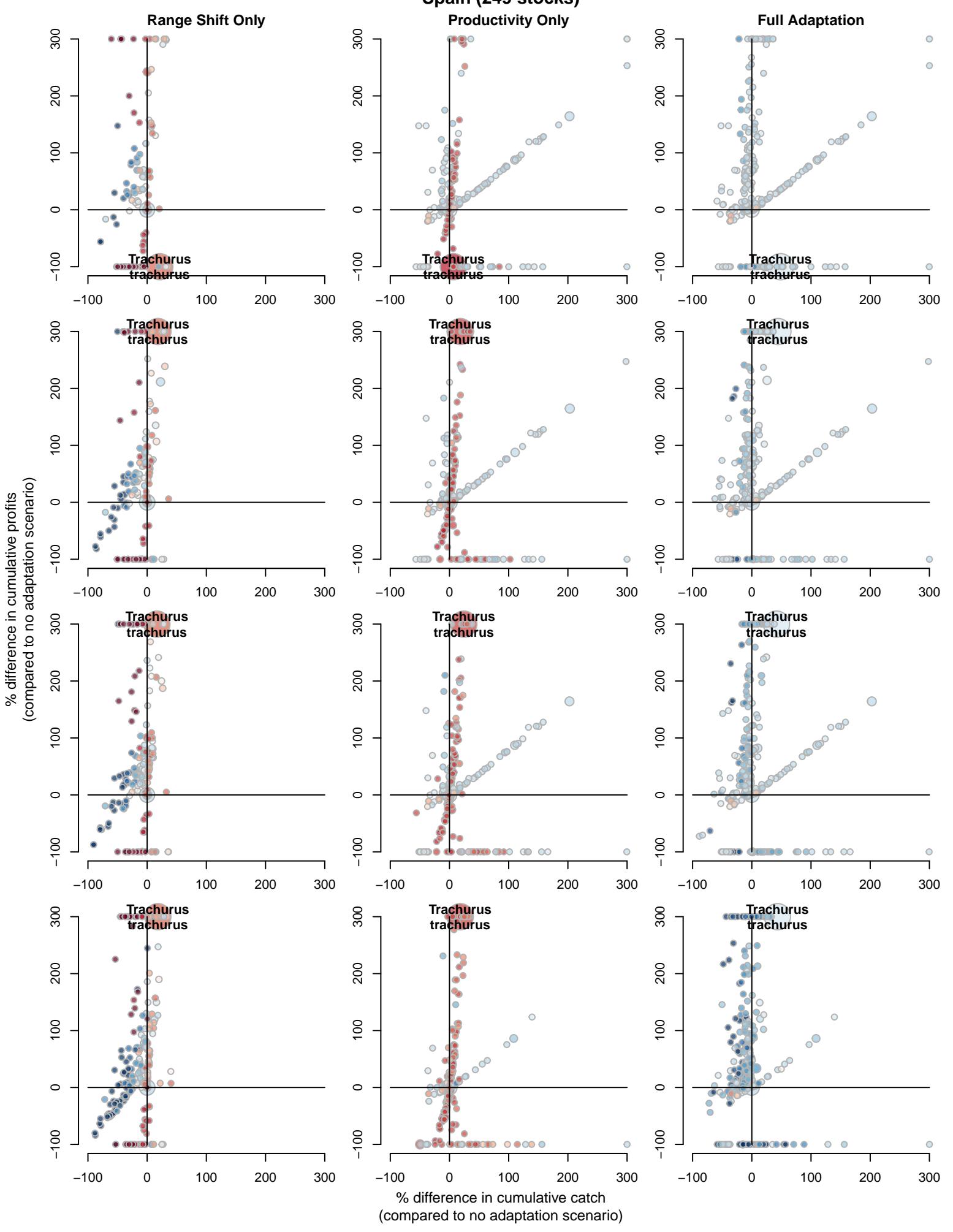
South Africa (242 stocks)



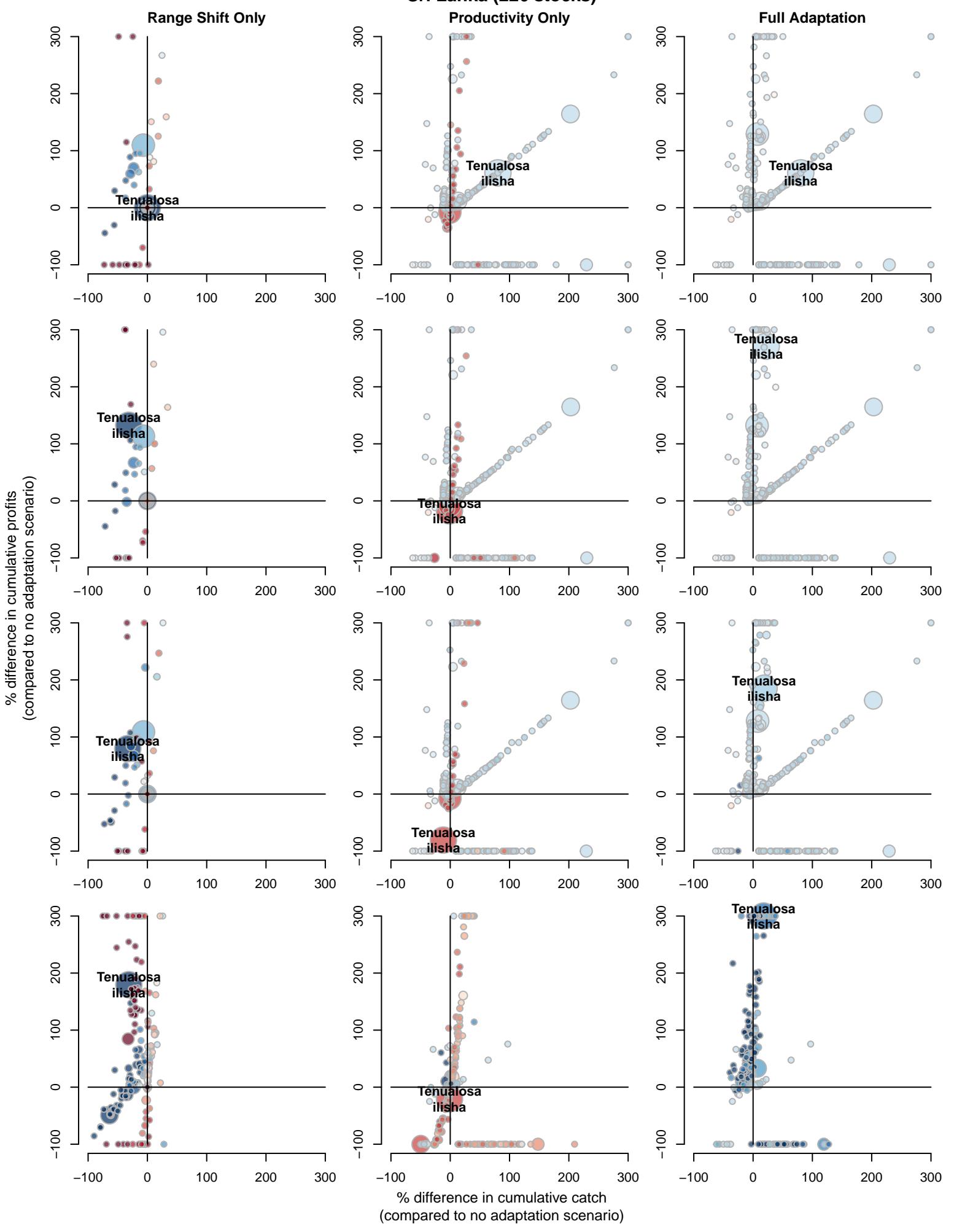
South Korea (239 stocks)



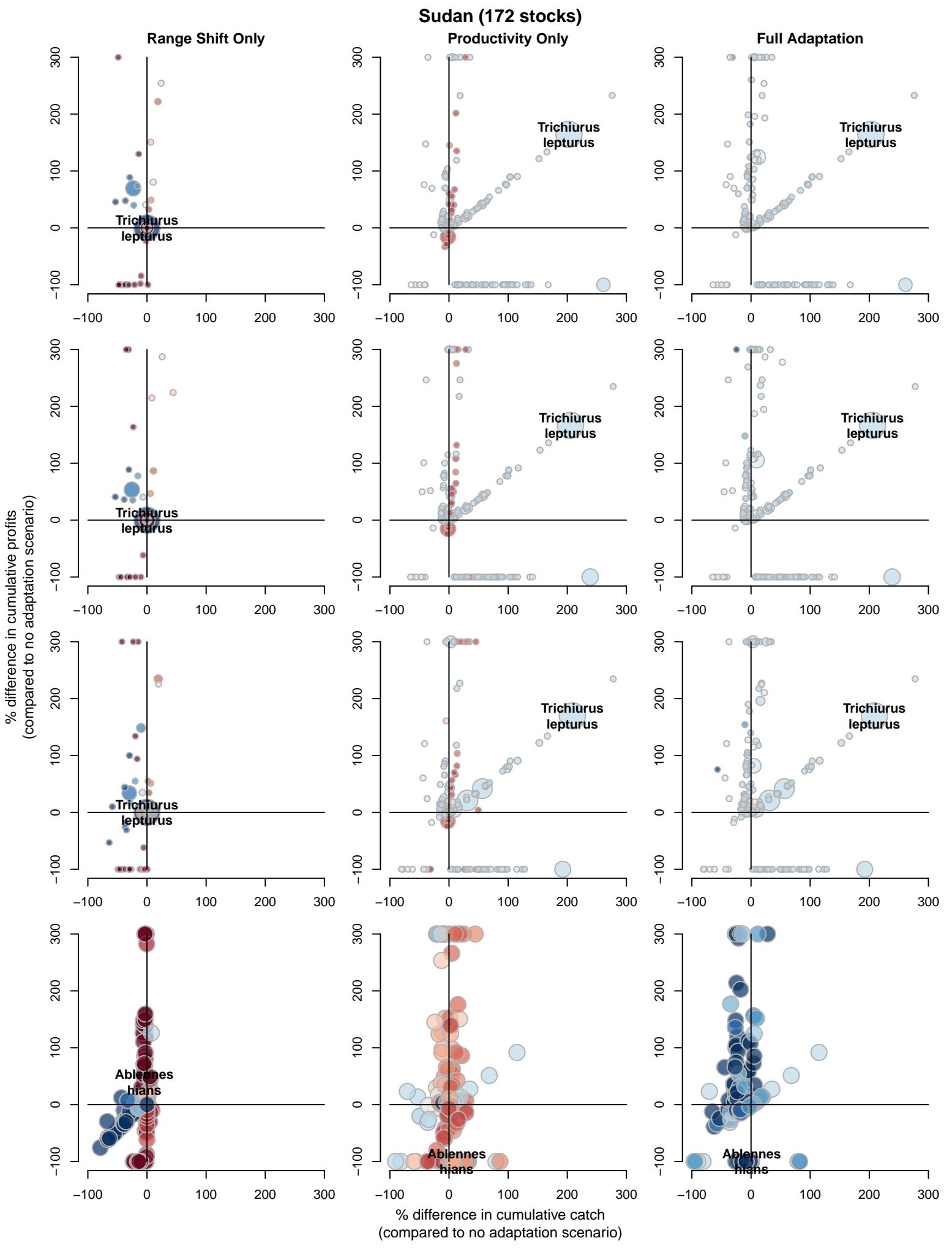
Spain (249 stocks)



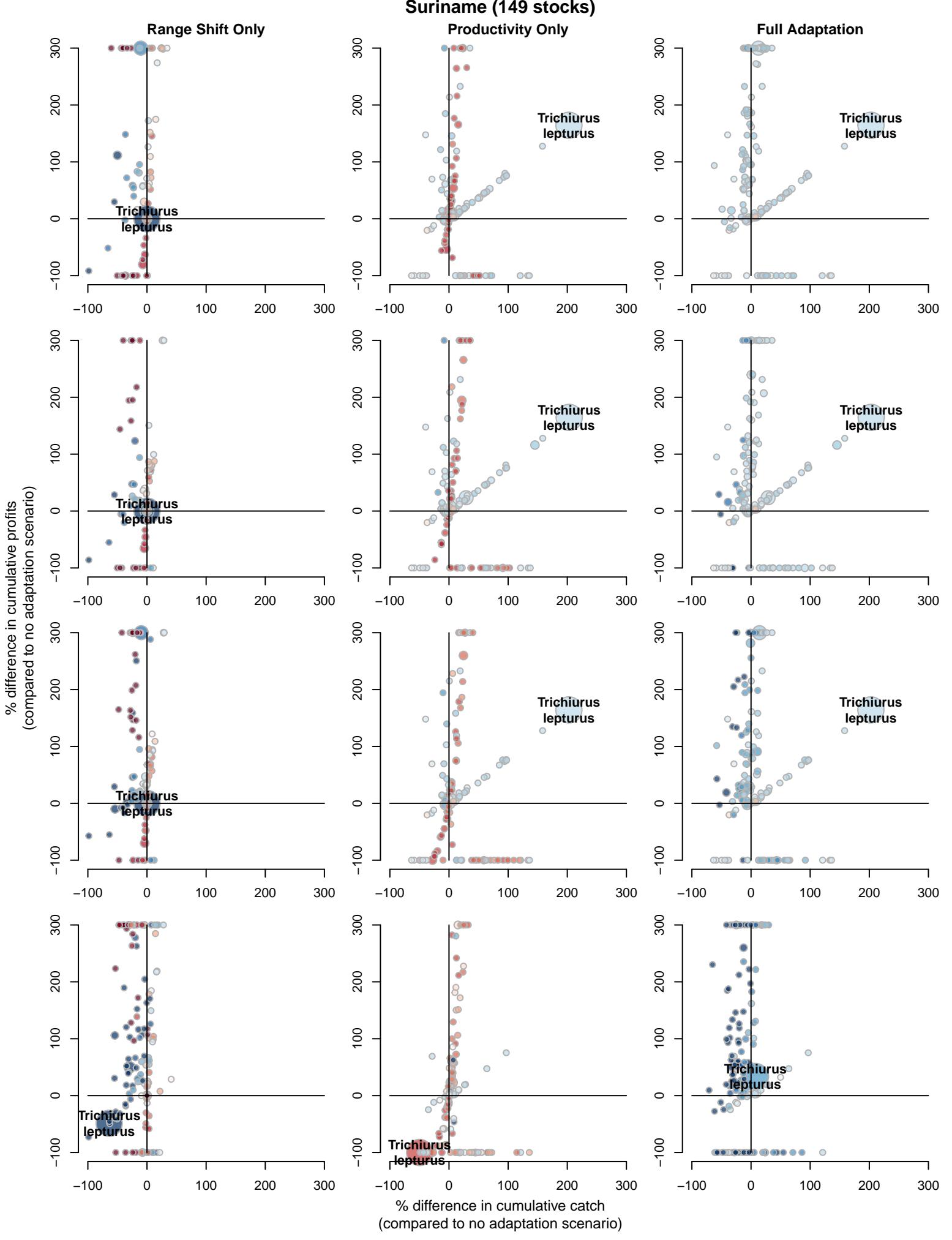
Sri Lanka (226 stocks)



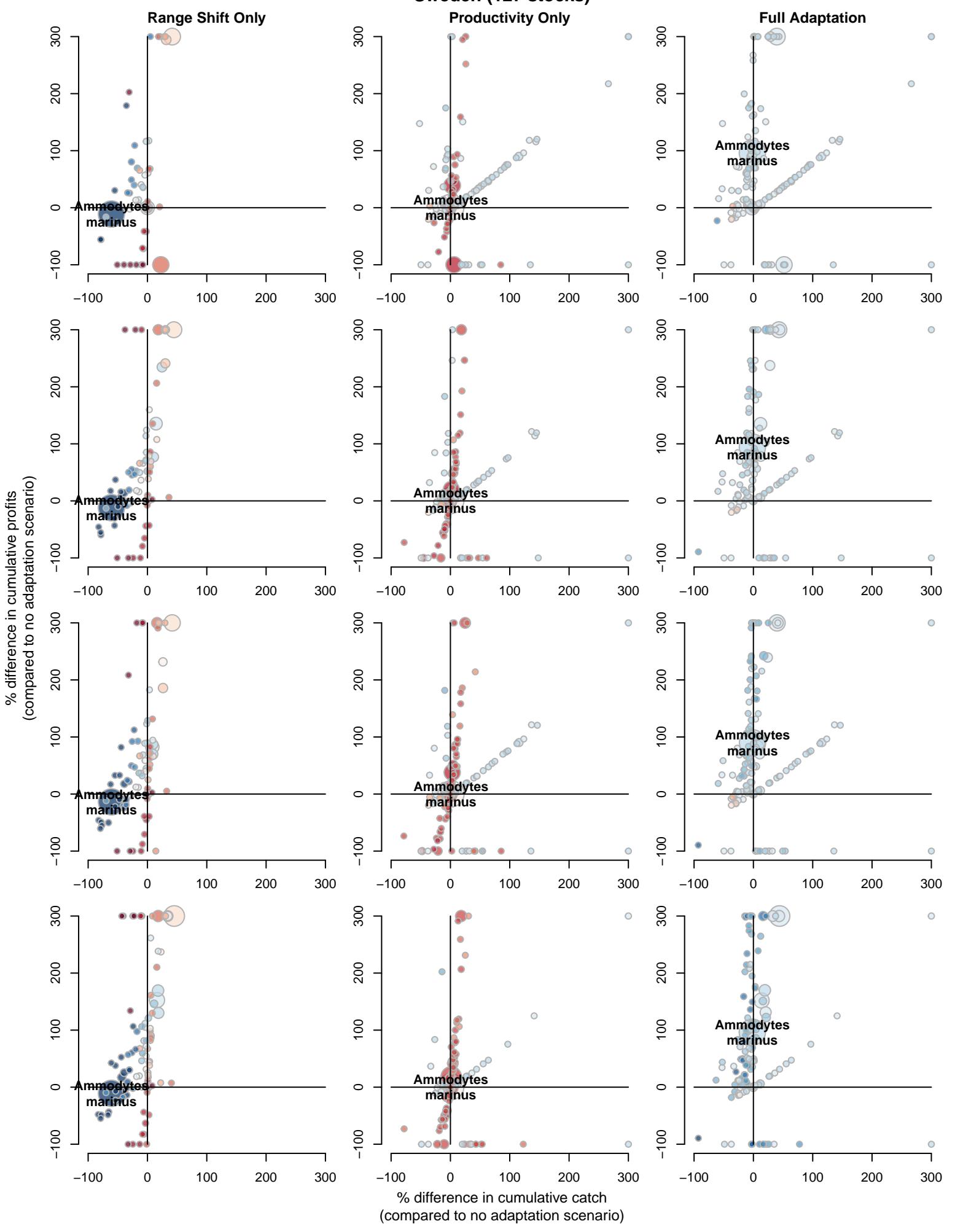
Sudan (172 stocks)



Suriname (149 stocks)

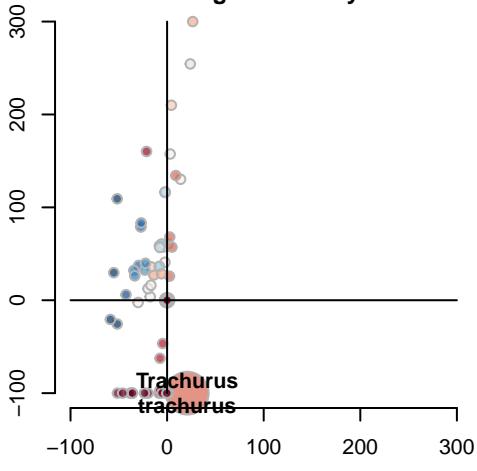


Sweden (127 stocks)

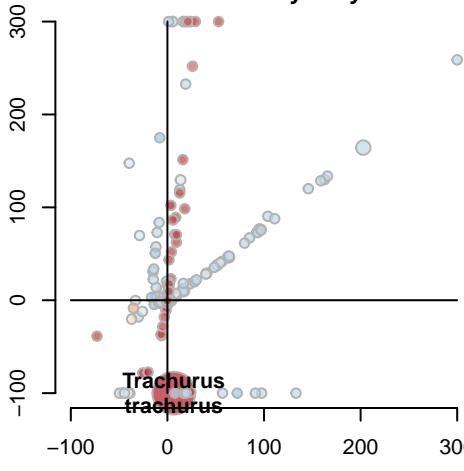


Syria (139 stocks)

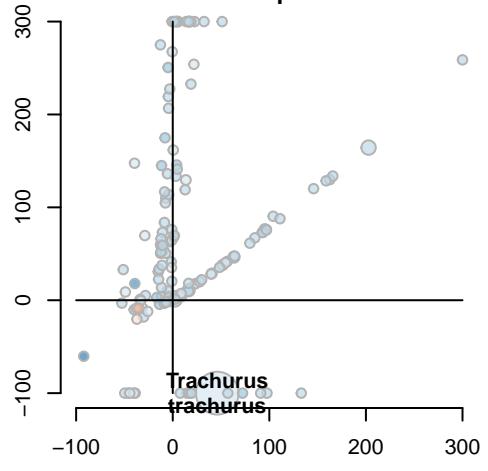
Range Shift Only



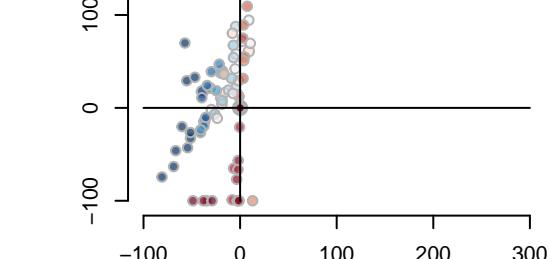
Productivity Only



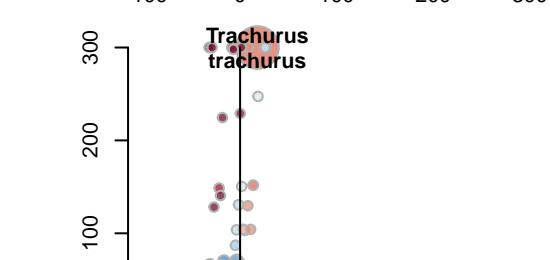
Full Adaptation



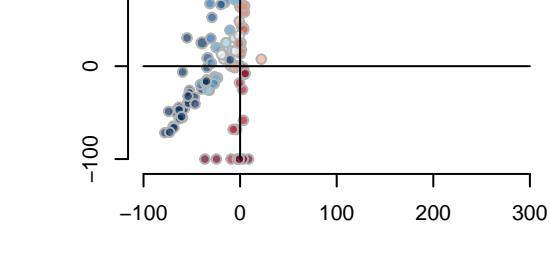
% difference in cumulative profits
(compared to no adaptation scenario)



Trachurus
trachurus



Trachurus
trachurus

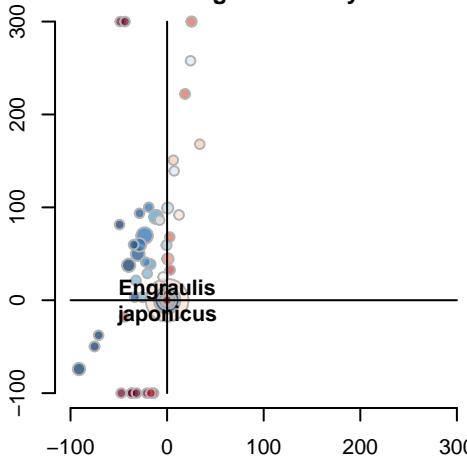


Trachurus
trachurus

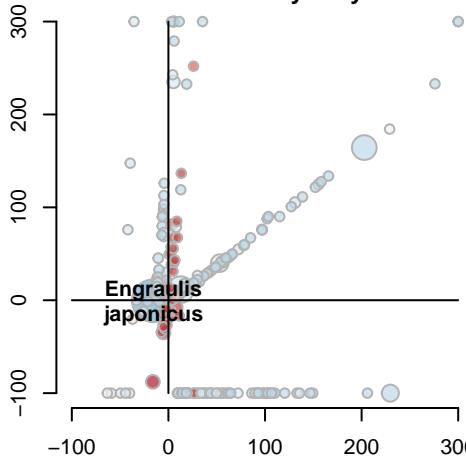
% difference in cumulative catch
(compared to no adaptation scenario)

Taiwan (235 stocks)

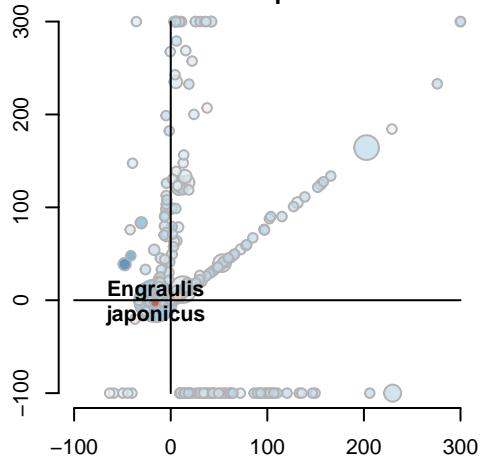
Range Shift Only



Productivity Only

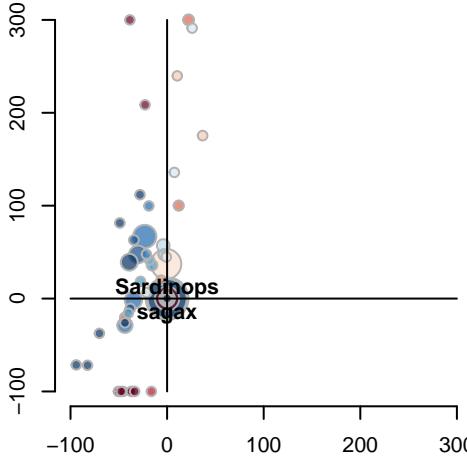


Full Adaptation

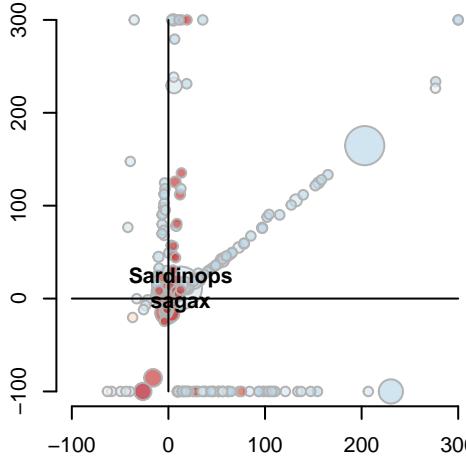


% difference in cumulative profits
(compared to no adaptation scenario)

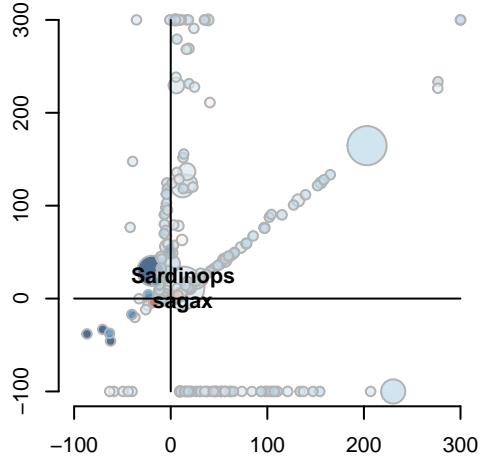
Sardinops sagax



Sardinops sagax

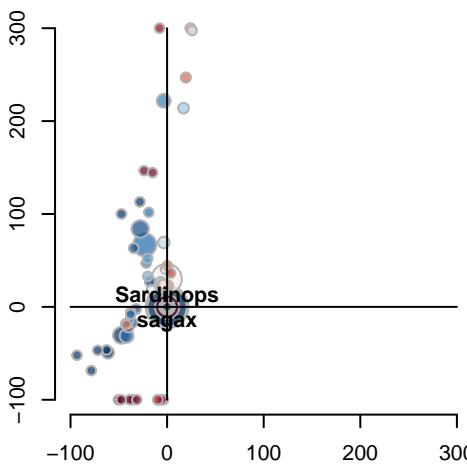


Sardinops sagax

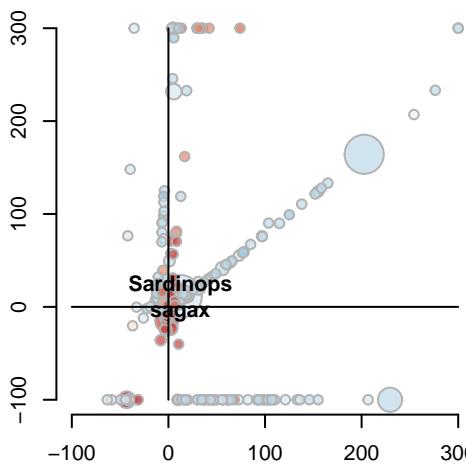


% difference in cumulative profits
(compared to no adaptation scenario)

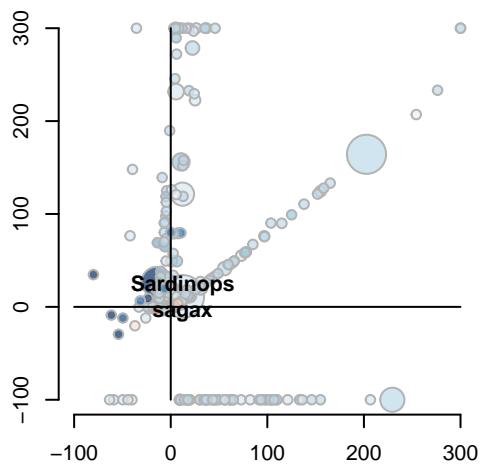
Sardinops sagax



Sardinops sagax

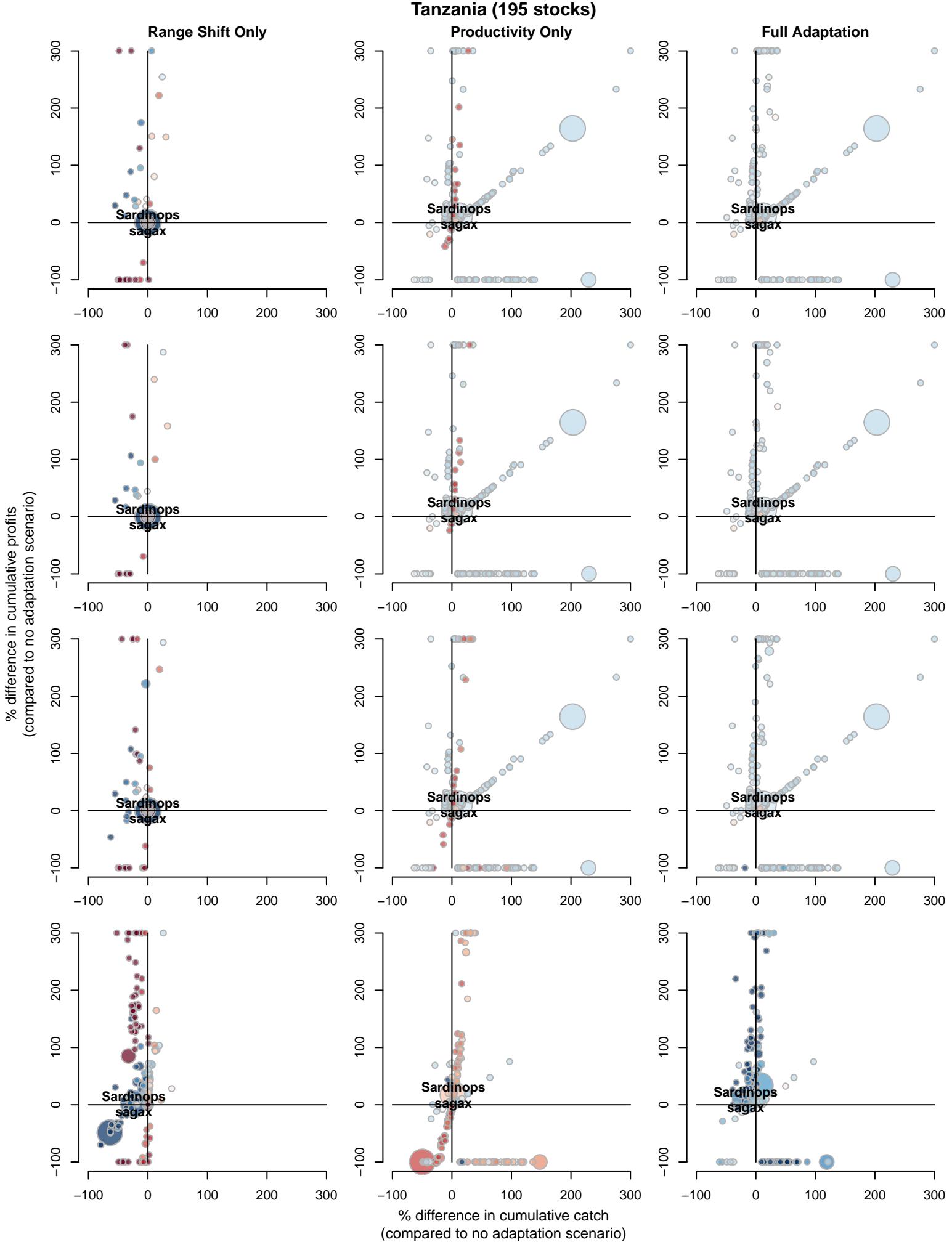


Sardinops sagax

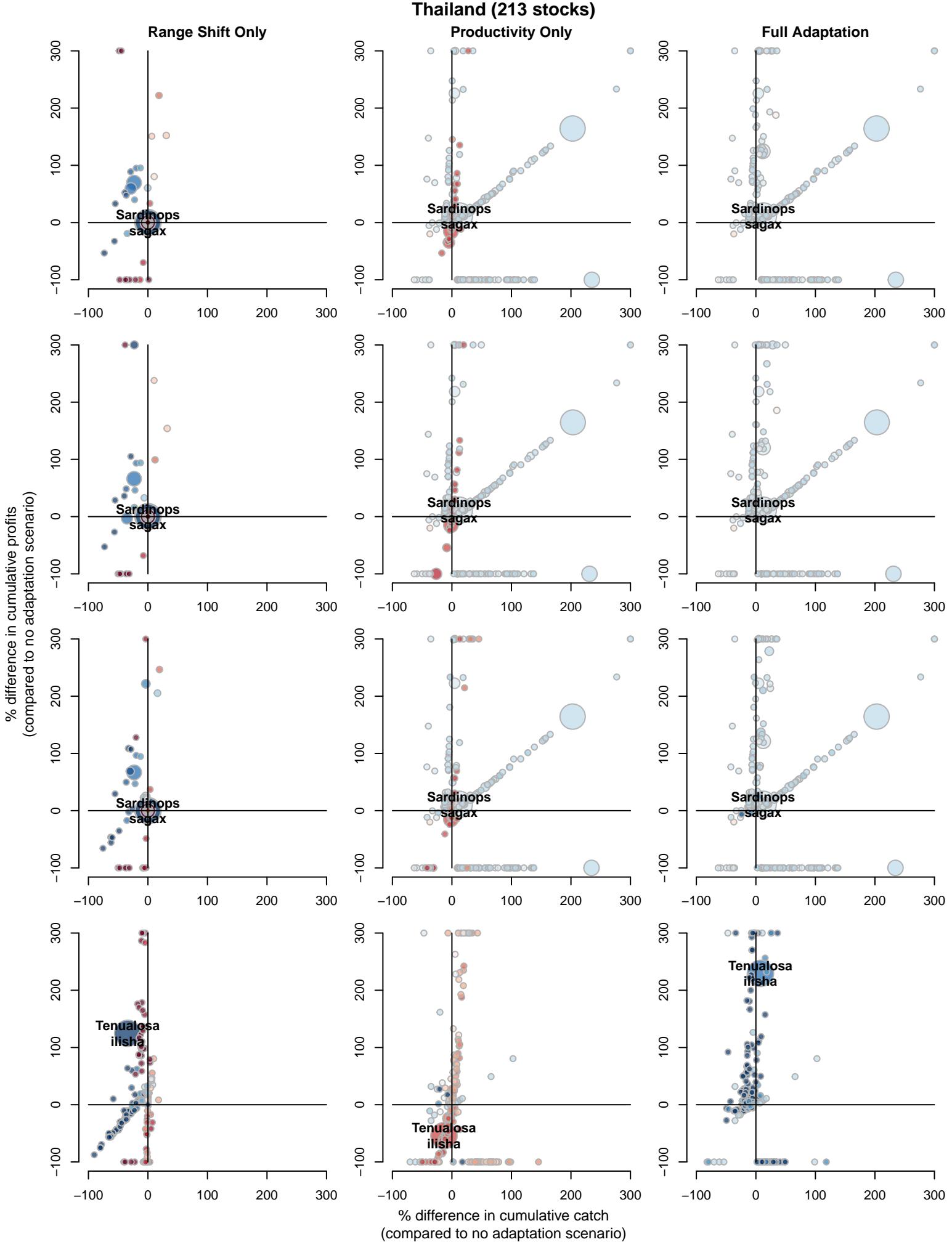


% difference in cumulative catch
(compared to no adaptation scenario)

Tanzania (195 stocks)

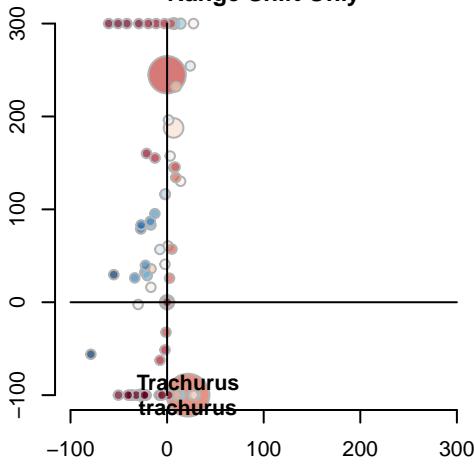


Thailand (213 stocks)

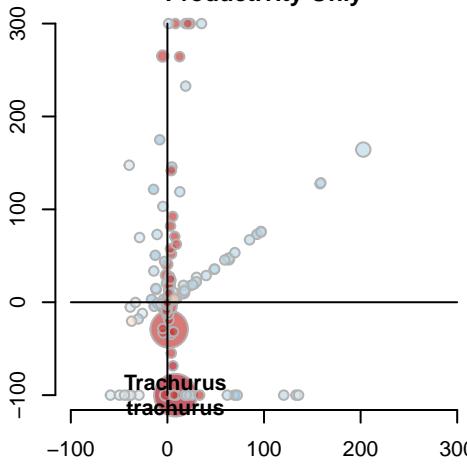


Togo (144 stocks)

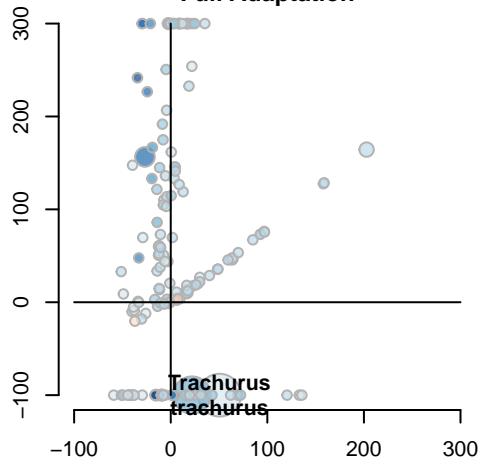
Range Shift Only



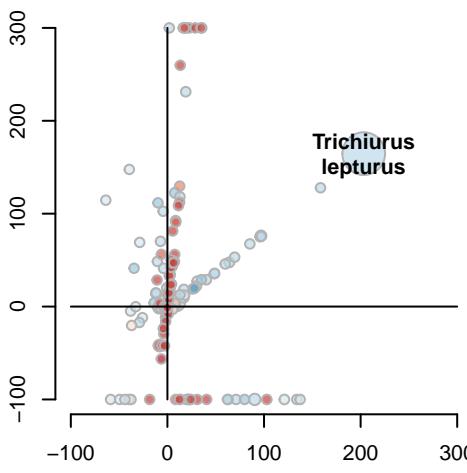
Productivity Only



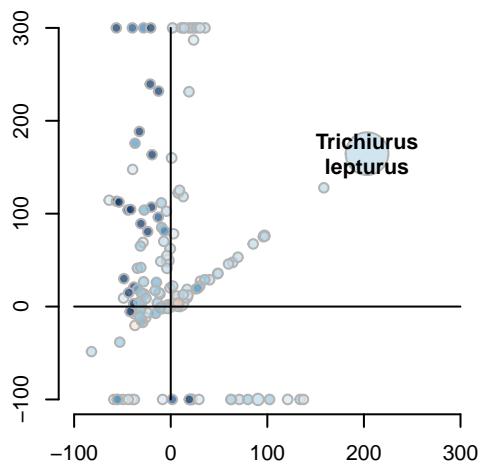
Full Adaptation



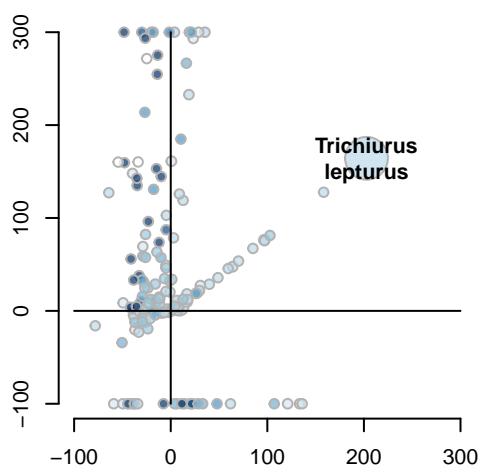
% difference in cumulative profits
(compared to no adaptation scenario)



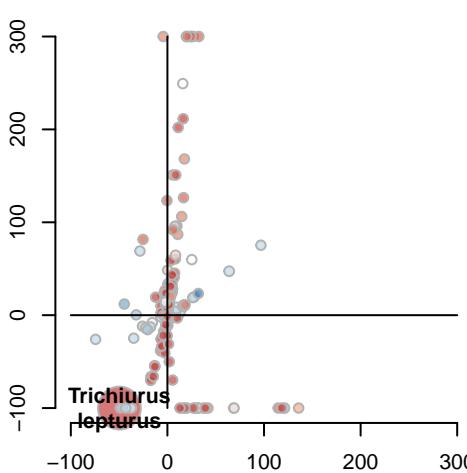
Trichurus lepturus



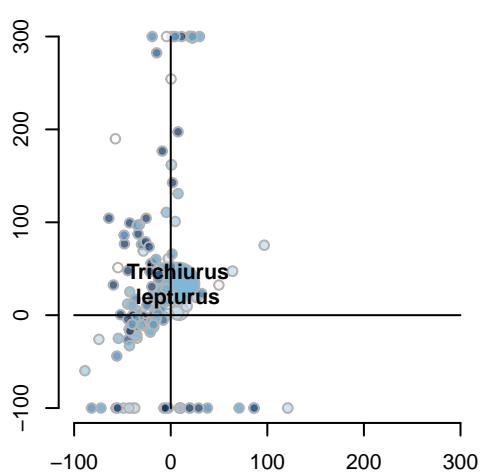
Trichurus lepturus



Trichurus lepturus



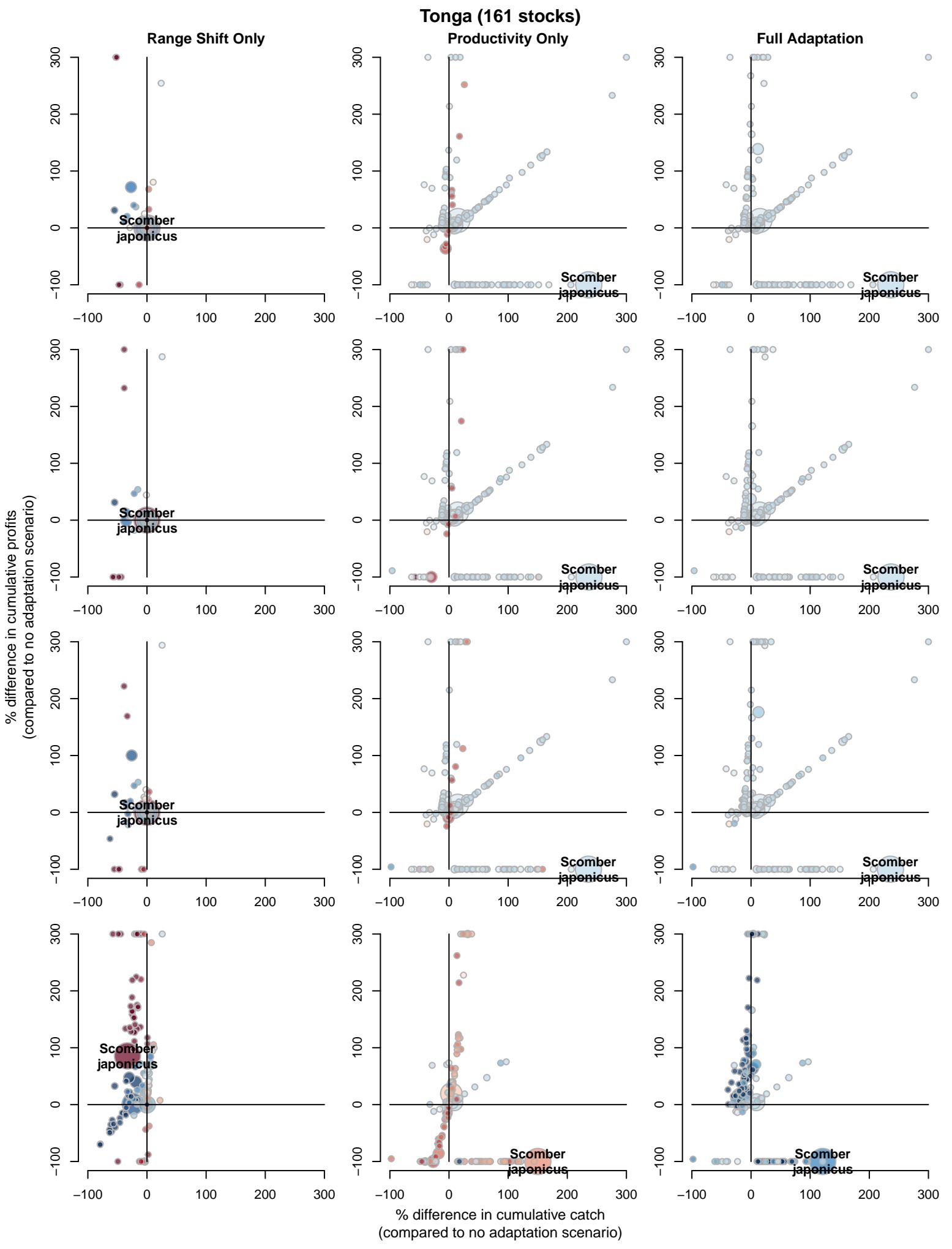
Trichurus lepturus



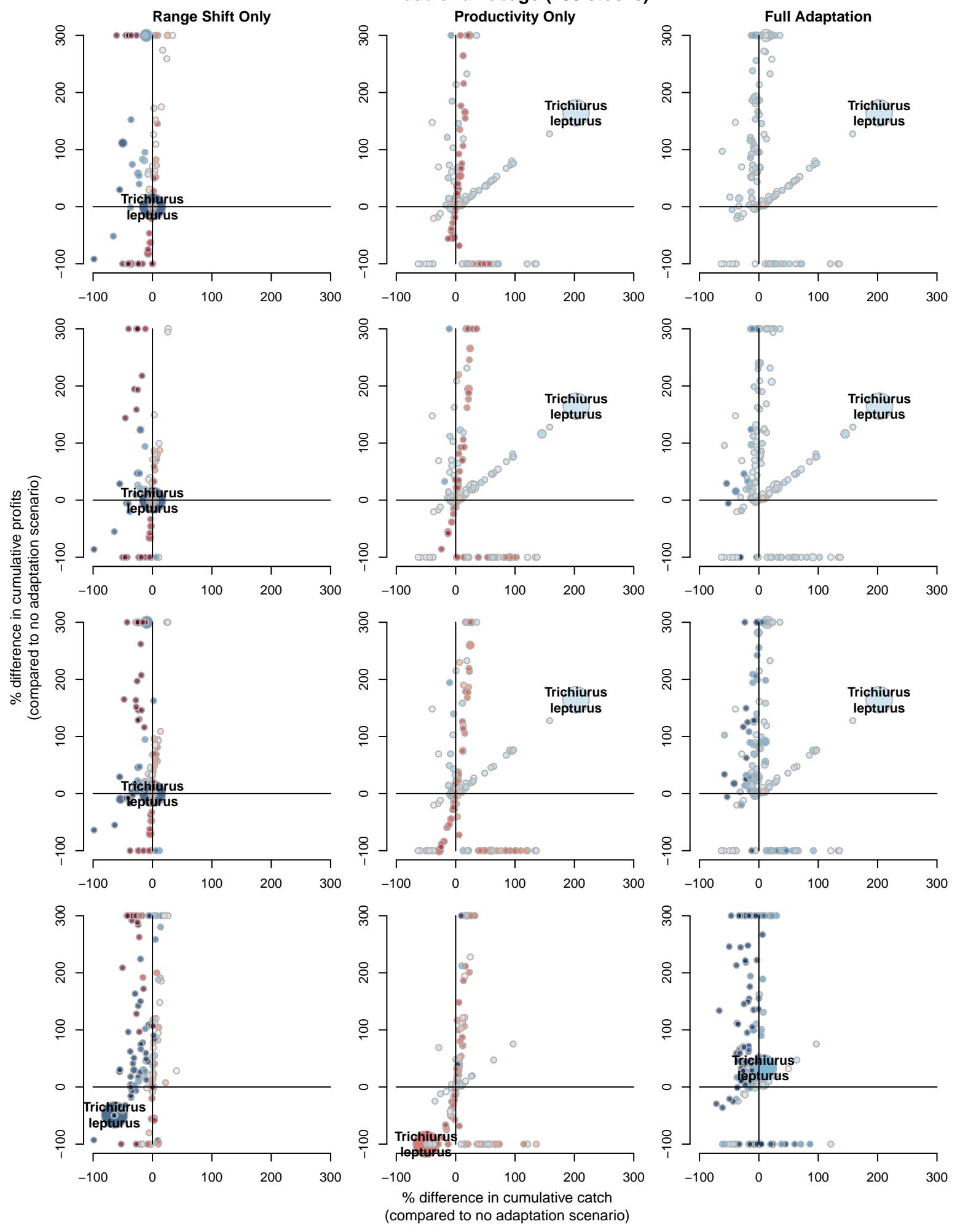
Trichurus lepturus

% difference in cumulative catch
(compared to no adaptation scenario)

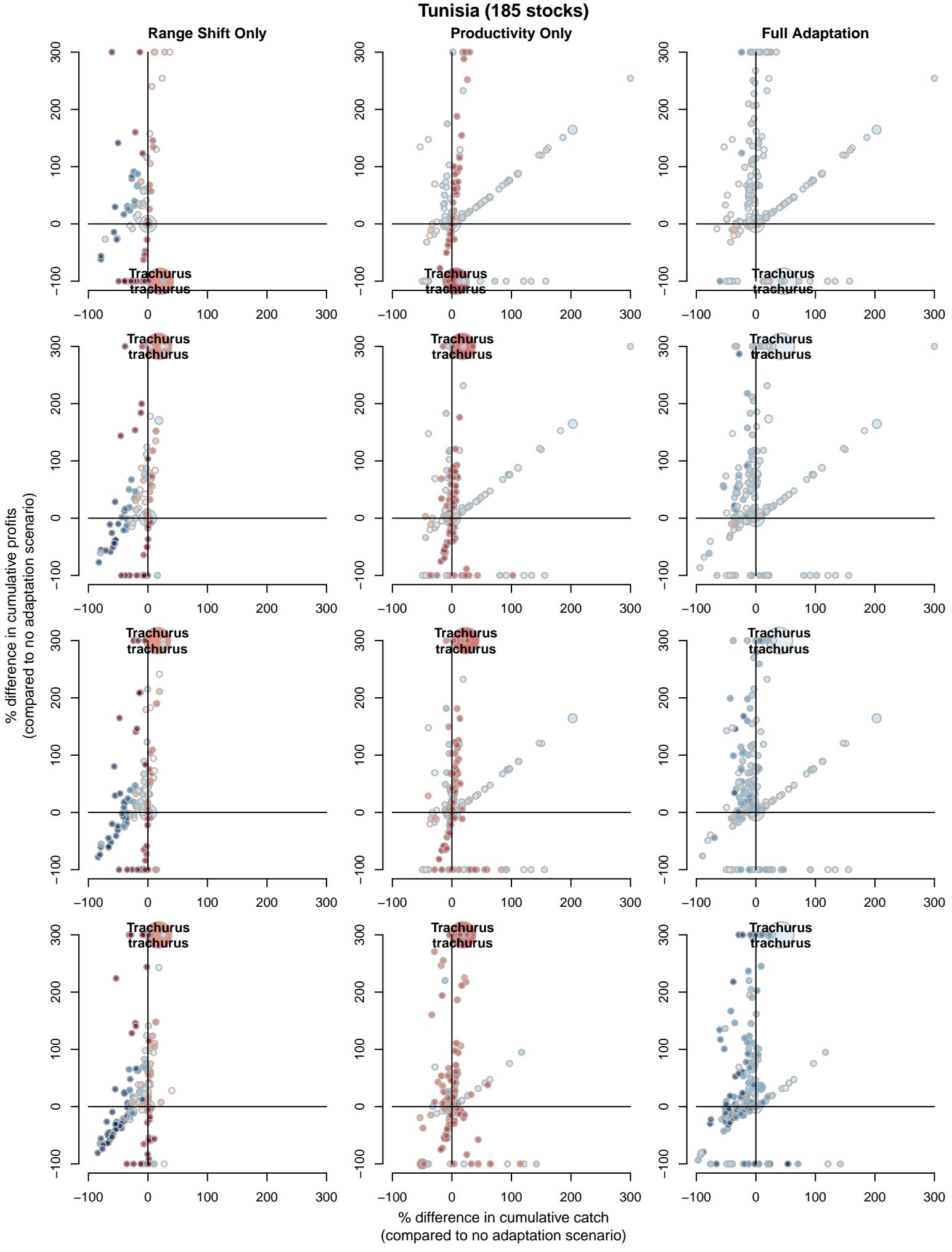
Tonga (161 stocks)



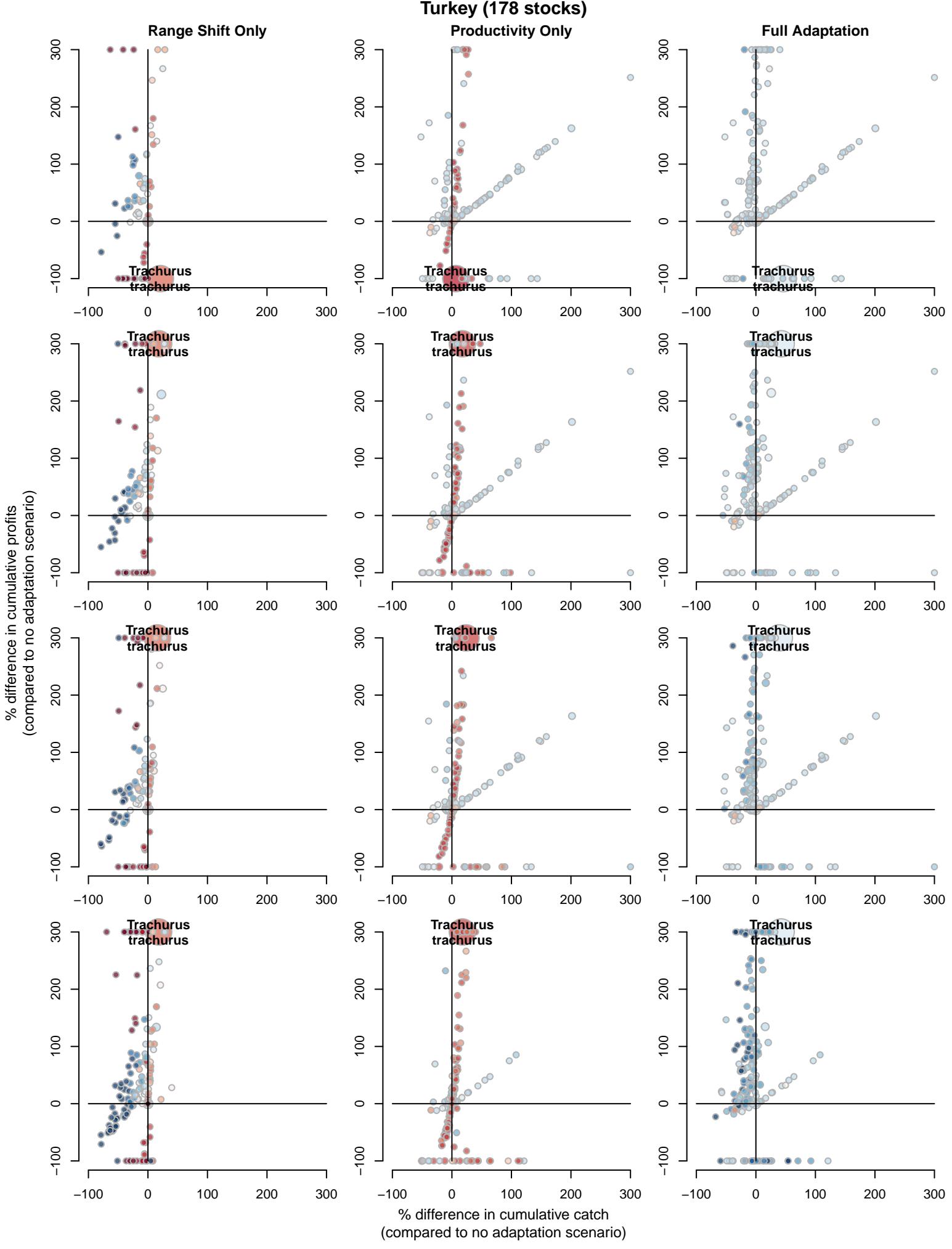
Trinidad and Tobago (150 stocks)



Tunisia (185 stocks)

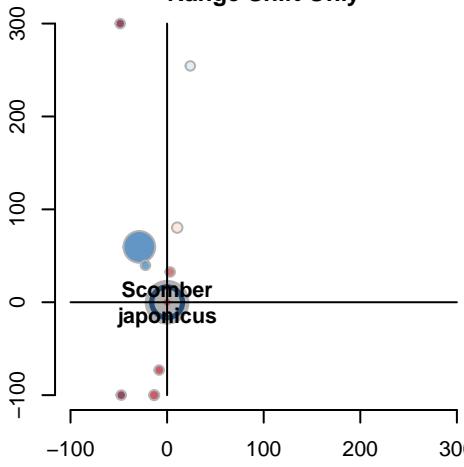


Turkey (178 stocks)

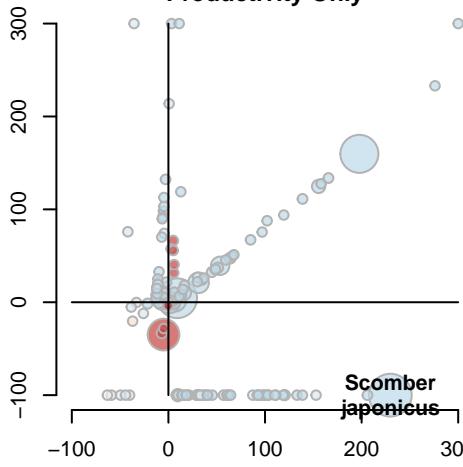


Tuvalu (140 stocks)

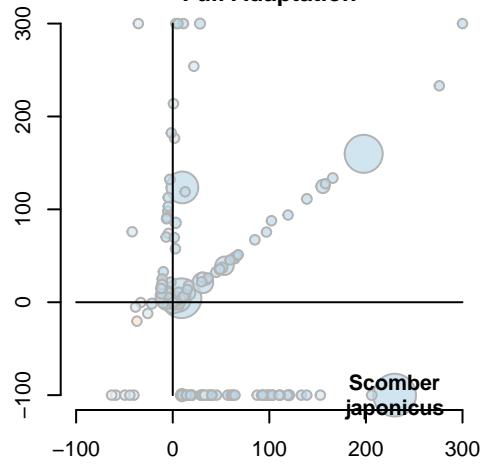
Range Shift Only



Productivity Only

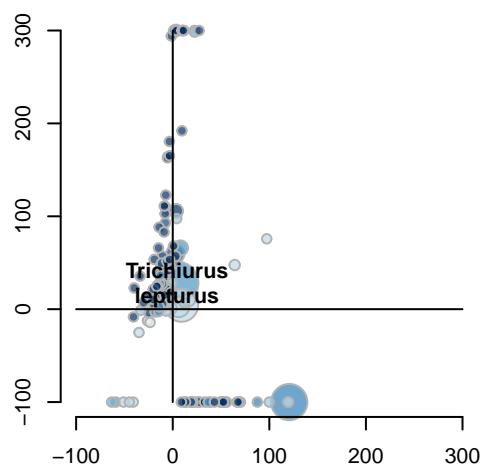
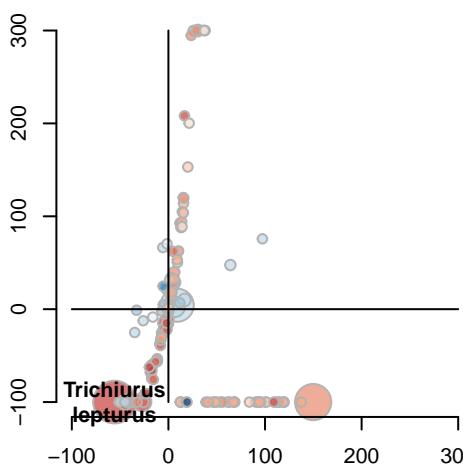
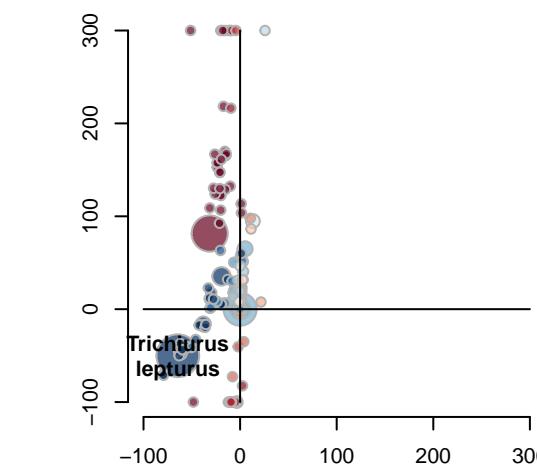
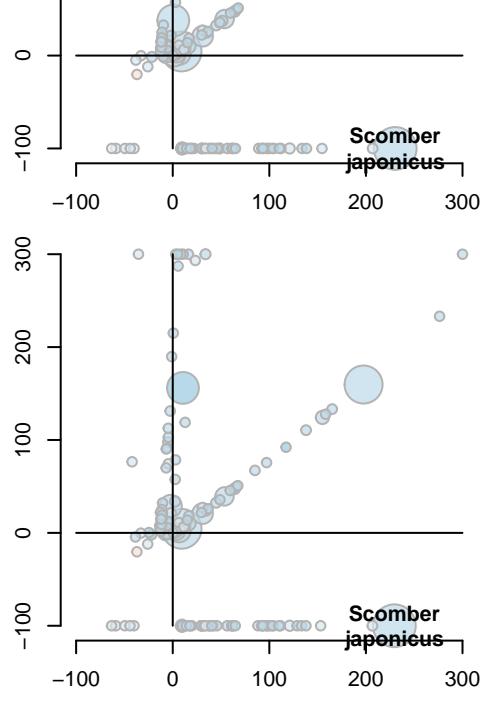
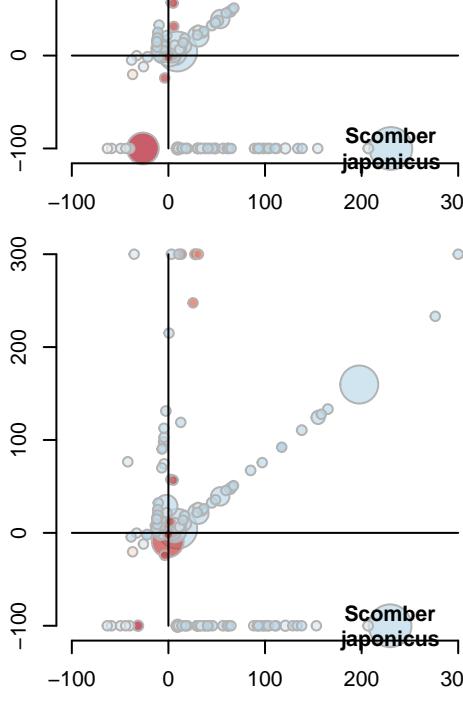
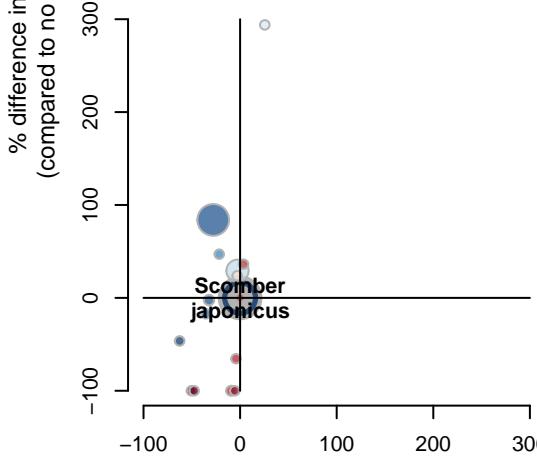


Full Adaptation



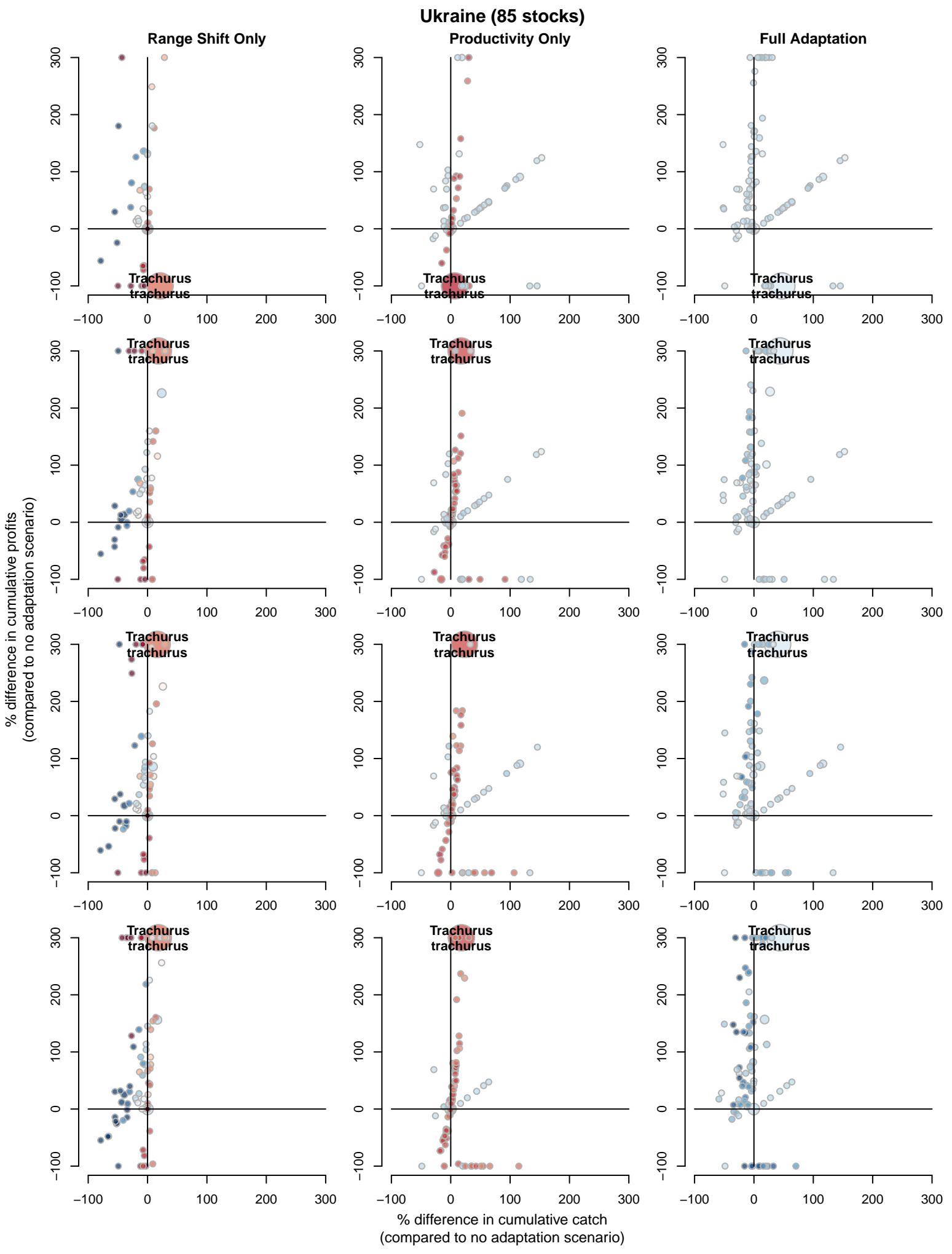
% difference in cumulative profits
(compared to no adaptation scenario)

Range Shift Only

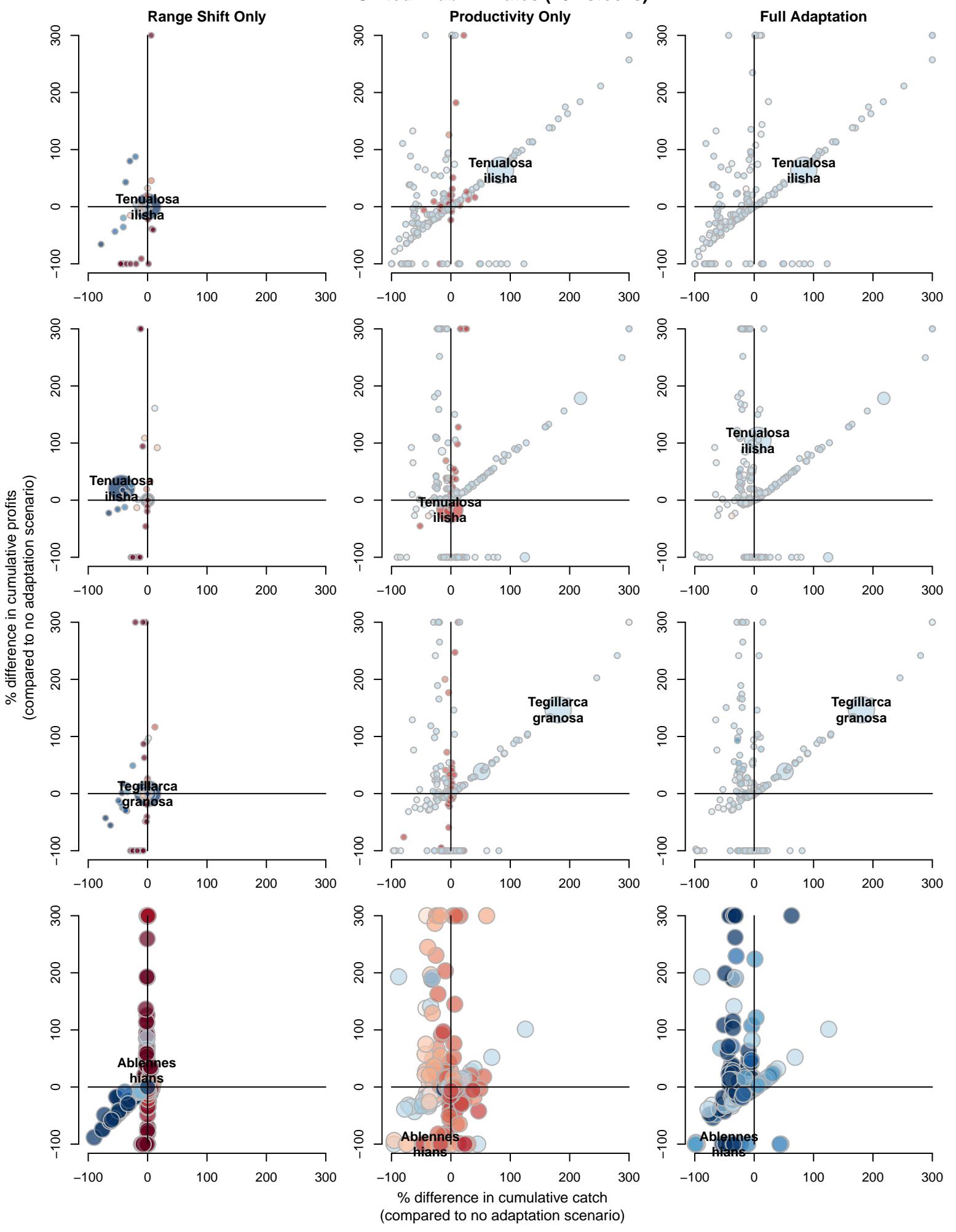


% difference in cumulative catch
(compared to no adaptation scenario)

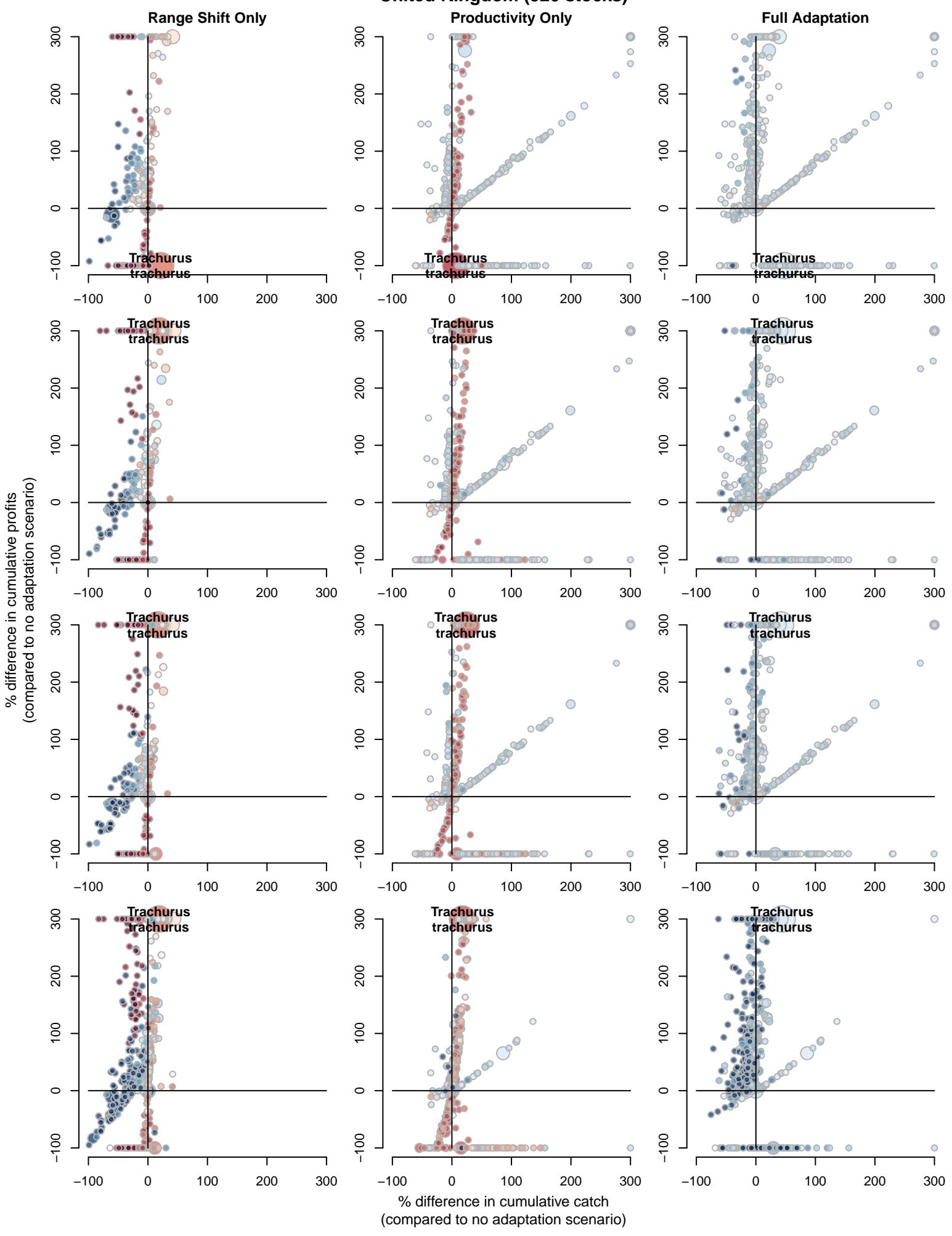
Ukraine (85 stocks)



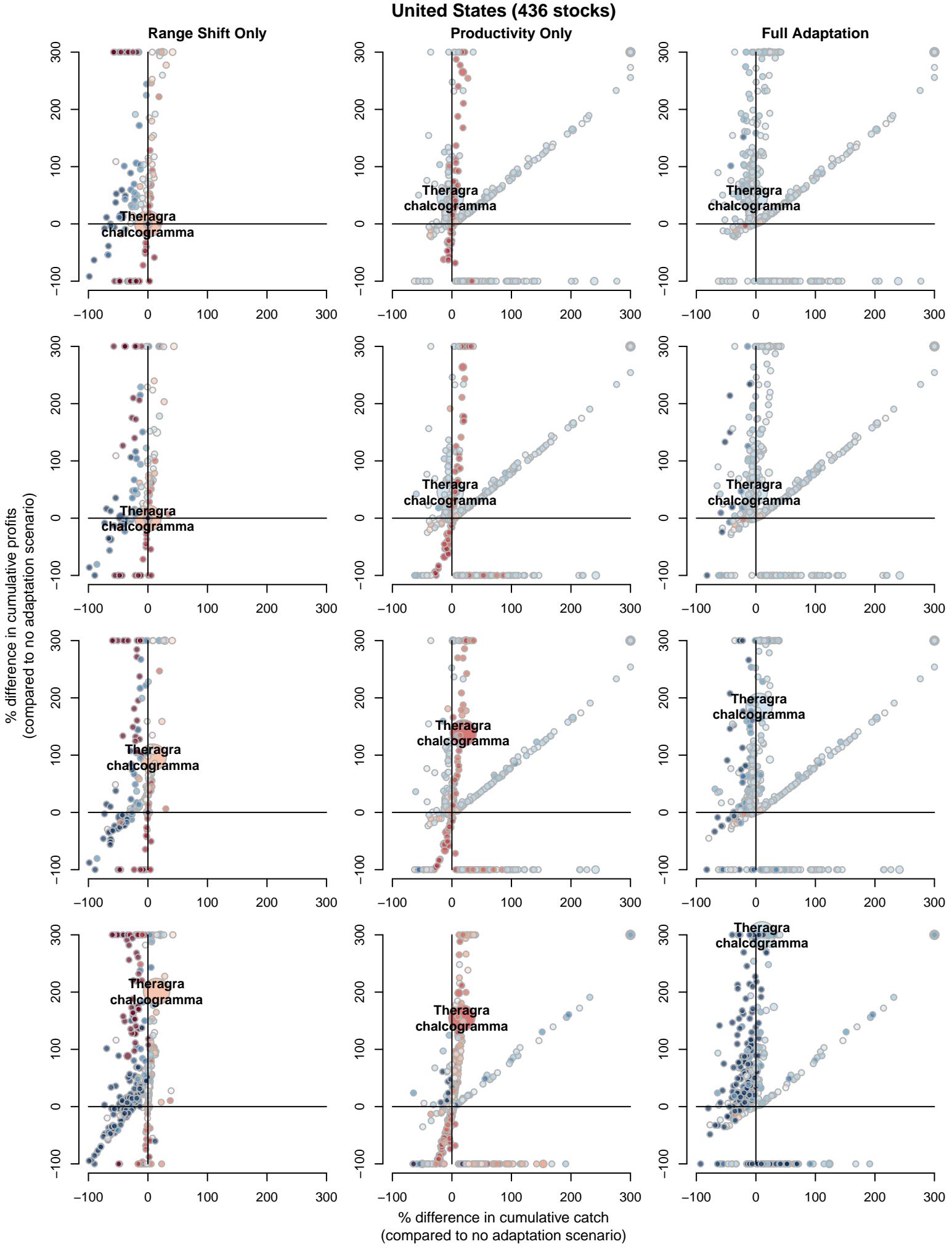
United Arab Emirates (204 stocks)



United Kingdom (520 stocks)

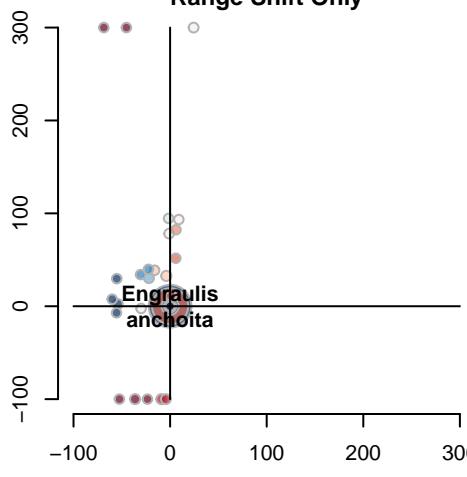


United States (436 stocks)

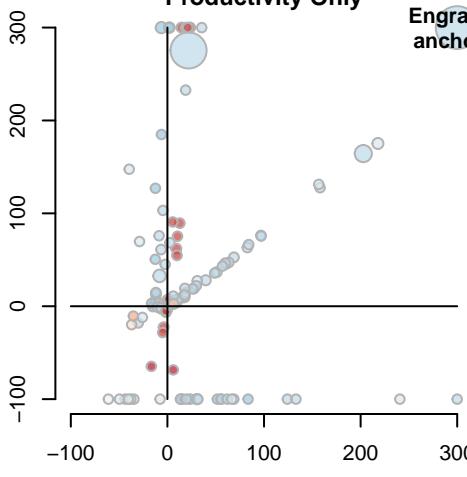


Uruguay (130 stocks)

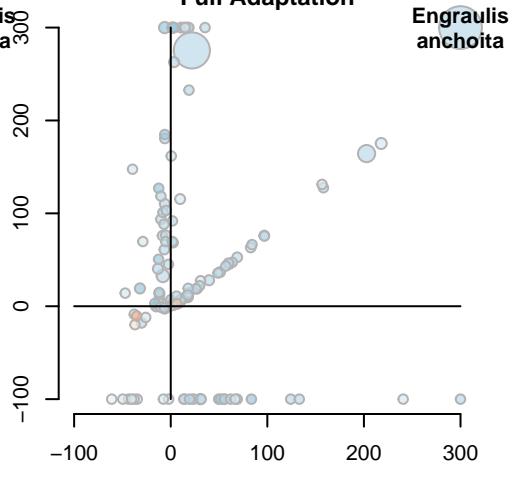
Range Shift Only



Productivity Only

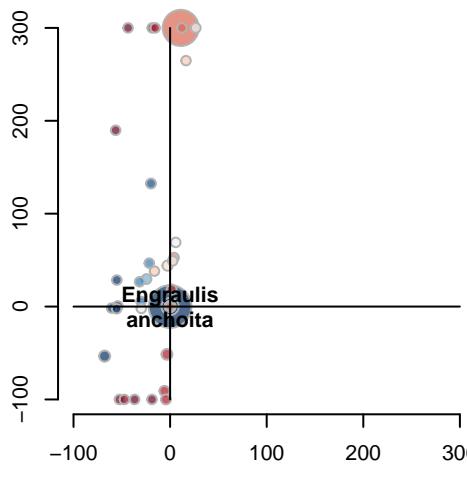


Full Adaptation

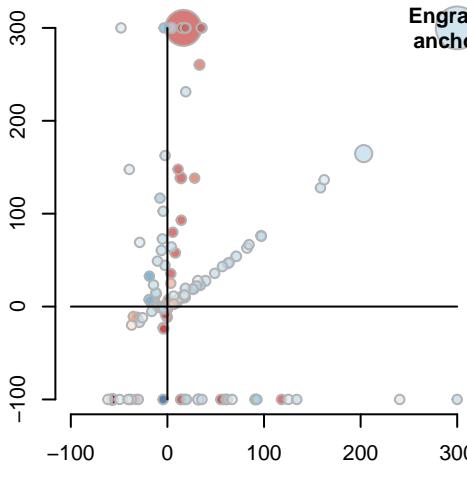


% difference in cumulative profits
(compared to no adaptation scenario)

Engraulis anchoita

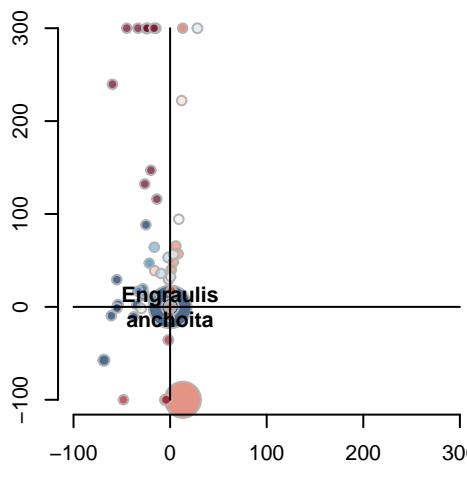


Engraulis anchoita

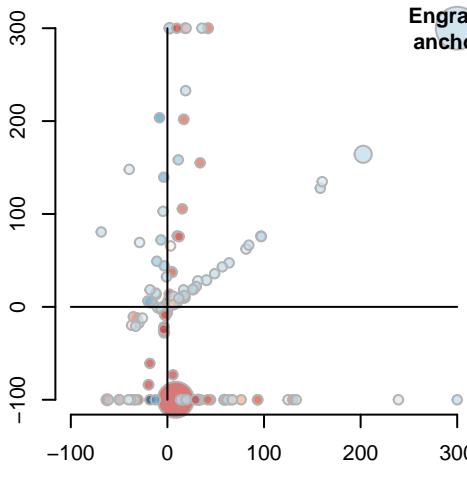


Engraulis anchoita

Engraulis anchoita

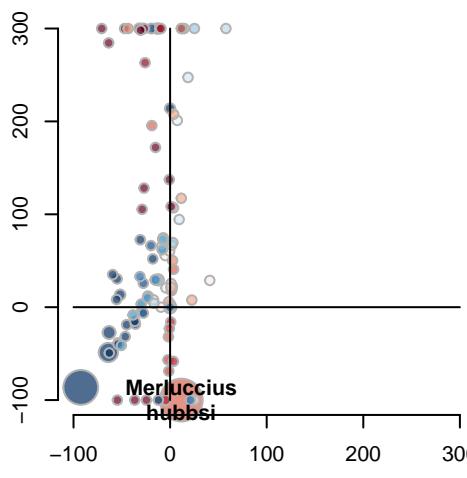


Engraulis anchoita

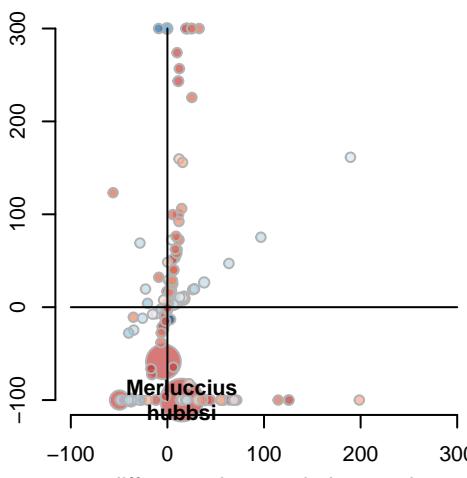


Engraulis anchoita

Engraulis anchoita



Merluccius hubbsi

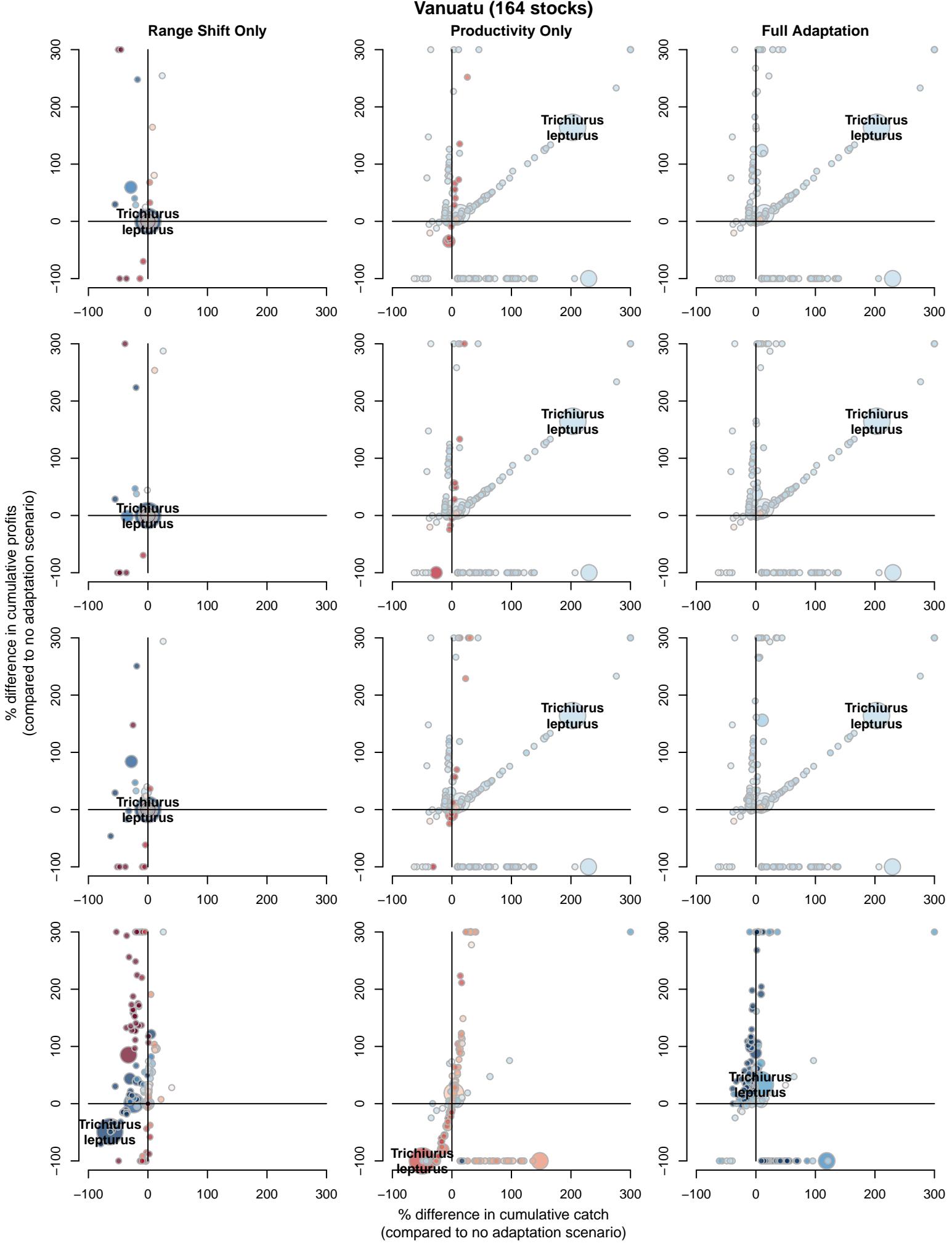


Merluccius hubbsi

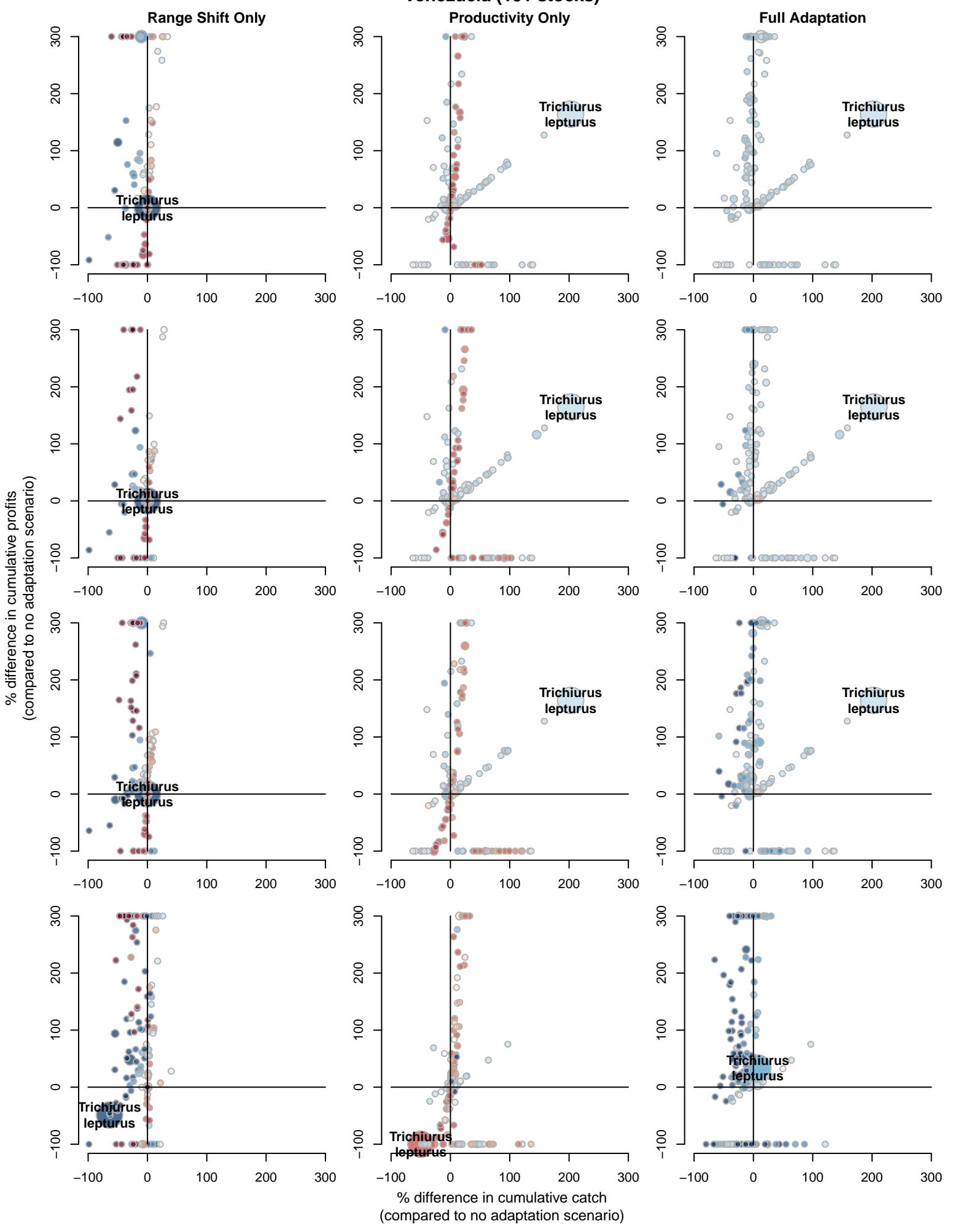
Merluccius hubbsi

% difference in cumulative catch
(compared to no adaptation scenario)

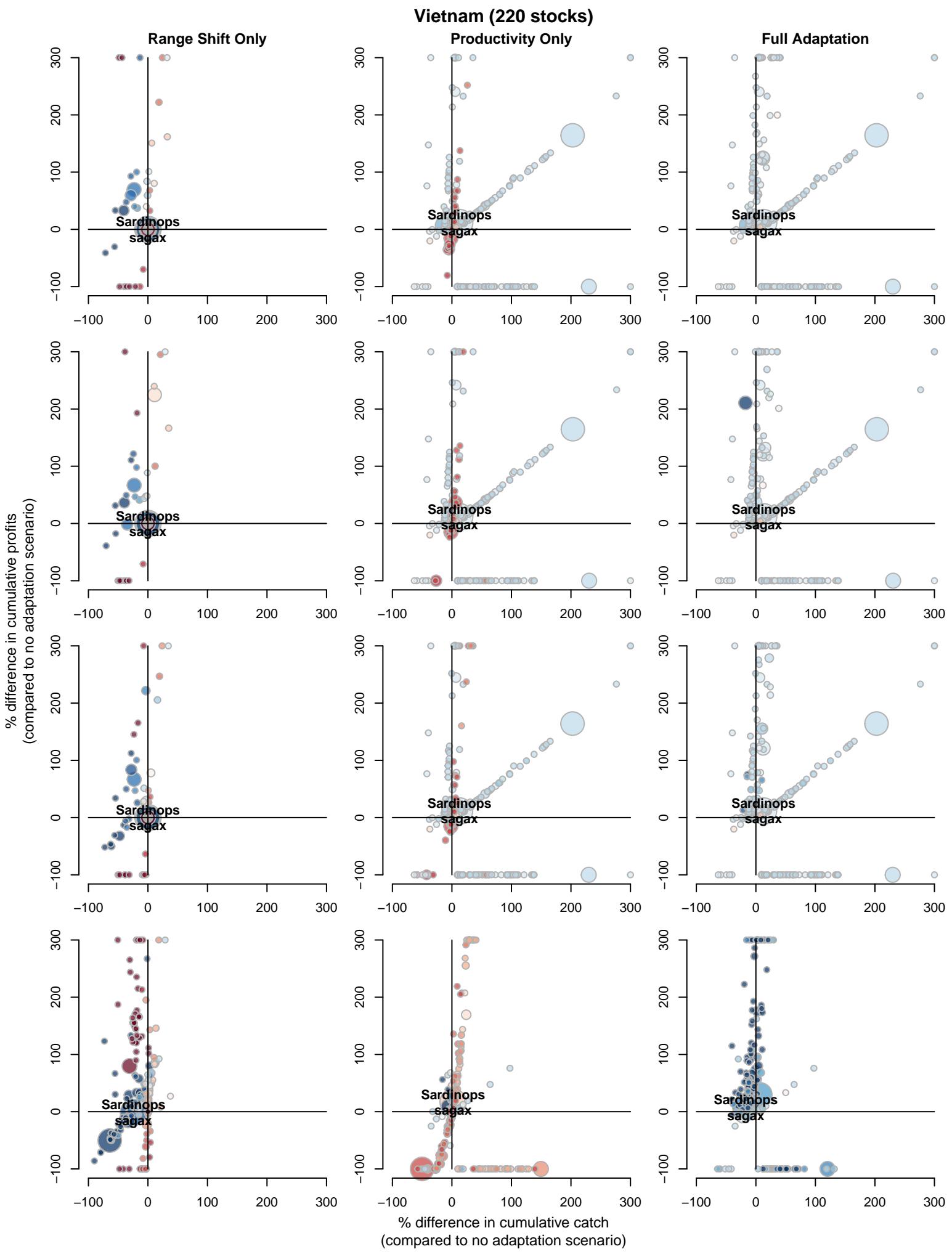
Vanuatu (164 stocks)



Venezuela (151 stocks)



Vietnam (220 stocks)



Yemen (223 stocks)

