## Tableau des correspondances codes-espèces du coralligène utilisés dans le manuscrit et nombre d'observations sur la période 2010-2018

| Code | Name                      | Taxon level | Major category         | Gender name   | Nb obs |
|------|---------------------------|-------------|------------------------|---------------|--------|
| ACAC | Acanthella acuta          | Species     | Sponge                 | Acanthella    | 100    |
| ACET | Acetabularia acetabulum   | Species     | Green macroalgae       | Acetabularia  | 1      |
| ACTI | Actiniaria                | Order       | Actiniaria             | NC            | 21     |
| ADC  | Adeonella calveti         | Species     | Erected bryozoan       | Adeonella     | 929    |
| AGOR | Agelas oroides            | Species     | Sponge                 | Agelas        | 447    |
| AIMU | Aiptasia mutabilis        | Species     | Actiniaria             | Aiptasia      | 3      |
| ALAC | Alcyonium acaule          | Species     | Alcyonaria             | Alcyonium     | 182    |
| ALC  | Alcyonarian               | Order       | Alcyonaria             | NC            | 18     |
| ALCO | Alcyonium corraloides     | Species     | Alcyonaria             | Alcyonium     | 505    |
| ALGL | Alcyonium glomeratum      | Species     | Alcyonaria             | Alcyonium     | 1      |
| ALMI | Alicia mirabilis          | Species     | Actiniaria             | Alicia        | 6      |
| AMSP | Amphiroa sp               | Gender      | Erected red macroalgae | Amphiroa      | 11     |
| ANME | Antedon mediterranea      | Species     | Crinoidian             | Antedon       | 43     |
| ANSU | Antipathes subpinnata     | Species     | Antipatharia           | Antipathes    | 151    |
| ANTH | Antipatharia              | Species     | Antipatharia           | NC            | 7      |
| APAE | Aplysina aerophoba        | Species     | Sponge                 | Aplysina      | 5      |
| APCA | Aplysina cavernicola      | Species     | Sponge                 | Aplysina      | 6 846  |
| APLI | Aplidium sp               | Gender      | Actiniaria             | Aplidium      | 612    |
| APRO | Aplysilla rosea           | Species     | Sponge                 | Aplysilla     | 1      |
| APSP | Aplysilla sulfurea        | Species     | Sponge                 | Aplysilla     | 89     |
| ARLI | Arbacia lixula            | Species     | Echinids               | Arbacia       | 2      |
| ASAS | Ascidiella aspersa        | Species     | Ascidians              | Ascidiella    | 2      |
| ASCA | Astroides calycularis     | Species     | Scleractinia           | Astroides     | 2      |
| ASCI | Ascidians                 | Family      | Ascidians              | NC            | 573    |
| ASME | Ascidia mentula           | Species     | Ascidians              | Ascidia       | 17     |
| ASSP | Asparagopsis sp           | Gender      | Erected red macroalgae | Asparagopsis  | 27     |
| ASTE | Asterids                  | Class       | Asterids               | NC            | 272    |
| ASTM | Astropartus mediterraneus | Species     | Ophiuroids             | Astropartus   | 23     |
| ASVI | Ascidia virginea          | Species     | Ascidians              | Ascidia       | 66     |
| AXAU | Axinyssa aurantiaca       | Species     | Sponge                 | Axinyssa      | 1      |
| AXDA | Axinella damicornis       | Species     | Sponge                 | Axinella      | 2 249  |
| AXDI | Axinella dissimilaris     | Species     | Sponge                 | Axinella      | 26     |
| AXPO | Axinella polypoides       | Species     | Sponge                 | Axinella      | 415    |
| AXSP | Axinella sp               | Gender      | Sponge                 | Axinella      | 32     |
| AXVA | Axinella vaceleti         | Species     | Sponge                 | Axinella      | 231    |
| AXVE | Axinella verrucosa        | Species     | Sponge                 | Axinella      | 444    |
| BAEU | Balanophyllia europaea    | Species     | Scleractinia           | Balanophyllia | 1      |
| BMAC | Brown macroalgae          | Class       | Brown macroalgae       | NC            | 15 289 |
| BOVI | Bonellia viridis          | Species     | Sedentary worms        | Bonellia      | 42     |
| BRSP | Bryopsis sp               | Gender      | Green macroalgae       | Bryopsis      | 17     |

| С    | Crevice                     | NC      | sludge, pavement,<br>rubble, sand | NC             | 49 460 |
|------|-----------------------------|---------|-----------------------------------|----------------|--------|
| CAIN | Caryophyllia inornata       | Species | Scleractinia                      | Caryophyllia   | 16     |
| CARA | Caulerpa racemosa           | Species | Green macroalgae                  | Caulerpa       | 339    |
| CASC | Cacospongia scalaris        | Species | Sponge                            | Cacospongia    | 505    |
| CASM | Caryophyllia smithii        | Species | Scleractinia                      | Caryophyllia   | 32     |
| CATA | Caulerpa taxifolia          | Species | Green macroalgae                  | Caulerpa       | 1      |
| 051  | Centrostephanus             | •       | _                                 | Centrostephanu | 0.0    |
| CEL  | longispinus                 | Species | Echinids                          | S              | 86     |
| CELL | Cellaria sp                 | Gender  | Erected bryozoan                  | Cellaria       | 555    |
| CERI | Ceriantharia                | Order   | Ceriantharia                      | NC             | 76     |
| CHNU | Chondrilla nucula           | Species | Sponge                            | Chondrilla     | 81     |
| CHRE | Chondrosia reniformis       | Species | Sponge                            | Chondrosia     | 260    |
| CHTE | Chartella tenella           | Species | Erected bryozoan                  | Chartella      | 65     |
| CHVE | Chrysymenia ventricosa      | Species | Erected red macroalgae            | Chrysymenia    | 242    |
| CICI | Cidaris cidaris             | Species | Echinids                          | Cidaris        | 1      |
| CIED | Ciona edwardsi              | Species | Ascidians                         | Ciona          | 6      |
| CIIN | Ciona intestinalis          | Species | Ascidians                         | Ciona          | 14     |
| CLAD | Cladophora sp               | Gender  | Green macroalgae                  | Cladophora     | 1      |
| CLCL | Clathrina clathrus          | Species | Sponge                            | Clathrina      | 36     |
| CLDE | Clavelina dellavallei       | Species | Ascidians                         | Clavelina      | 33     |
| CLIO | Cliona sp                   | Gender  | Sponge                            | Cliona         | 1 983  |
| CLLE | Clavelina lepadoformis      | Species | Ascidians                         | Clavelina      | 55     |
| CLPI | Cladocora caespitosa        | Species | Scleractinia                      | Cladocora      | 6      |
| CLSP | Clathrina sp                | Gender  | Sponge                            | Clathrina      | 51     |
| COBU | Codium bursa                | Species | Green macroalgae                  | Codium         | 70     |
| COCA | Corticium candelabrum       | Species | Sponge                            | Corticium      | 11     |
| COCO | Codium coralloides          | Species | Green macroalgae                  | Codium         | 168    |
| COEF | Codium effusum              | Species | Green macroalgae                  | Codium         | 367    |
| COEL | Corallina elongata          | Species | Erected red macroalgae            | Corallina      | 5      |
| CORA | Non identified corallinacea | Class   | Encrusting red macroalgae         | NC             | 30     |
| CORM | Corallimorpharia            | Order   | Corallimorpharia                  | NC             | 1      |
| CORU | Corallium rubrum            | Species | Gorgonian                         | Corallium      | 1 729  |
| COVI | Corynactis viridis          | Species | Corallimorpharia                  | Corynactis     | 9      |
| CRAM | Crambe crambe               | Species | Sponge                            | Crambe         | 4 716  |
| CRCR | Cribrinopsis crassa         | Species | Actiniaria                        | Cribrinopsis   | 245    |
| CREL | Crella elegans              | Species | Sponge                            | Crella         | 3      |
| CRIN | Crinoidian                  | Class   | Crinoidian                        | NC             | 20     |
| CRMA | Encrusting red macroalgae   | Class   | Encrusting red macroalgae         | NC             | 7 458  |
| CRPU | Crella pulvinar             | Species | Sponge                            | Crella         | 989    |
| CRSP | Crisia sp                   | Gender  | Erected bryozoan                  | Crisia         | 2 246  |
| CRT  | Crambe tailliezi            | Species | Sponge                            | Crambe         | 6 875  |
| CYNO | Cymodocea nodosa            | Species | Phanerogam                        | Cymodocea      | 1      |
| CYSP | Cystoseira sp               | Gender  | Brown macroalgae                  | cystoseira     | 1 315  |
| D    | Sand                        | NC      | sludge, pavement,<br>rubble, sand | NC             | 34 495 |
| DECO | Dendrophyllia cornigera     | Species | Scleractinia                      | Dendrophyllia  | 5      |
| DELE | Dendroxea lenis             | Species | Sponge                            | Dendroxea      | 904    |

| DESA | Dentiporella sardonica           | Species | Erected bryozoan       | Dentiporella | 26     |
|------|----------------------------------|---------|------------------------|--------------|--------|
| DIDE | Didemnium sp                     | Gender  | Ascidians              | Didemnium    | 265    |
| DIDI | Dictyota dichotoma               | Species | Brown macroalgae       | Dictyota     | 2 096  |
| DIFA | Dictyota fasciola                | NA      | Brown macroalgae       | Dictyota     | 447    |
| DIIM | Dictyota implexa                 | Species | Brown macroalgae       | Dictyota     | 112    |
| DILI | Diplosoma listerianum            | Species | Ascidians              | Diplosoma    | 2      |
| DIPO | Dictyopteris polypodioides       | Species | Brown macroalgae       | Dictyopteris | 395    |
| DISP | Dictyonella sp                   | Gender  | Sponge                 | Dictyonella  | 1 093  |
| DIVE | Diporula verrucosa               | Species | Erected bryozoan       | Diporula     | 6      |
| DIVI | Diazona violacea                 | Species | Ascidians              | Diazona      | 9      |
| DUVE | Dudresnaya verticillata          | Species | Erected red macroalgae | Dudresnaya   | 9      |
| DYAV | Dysidea avara                    | Species | Sponge                 | Dysidea      | 641    |
| DYFR | Dysidea fragilis                 | Species | Sponge                 | Dysidea      | 370    |
| ECBR | Encrusting bryozoan              | Phylum  | Encrusting bryozoan    | NC           | 8 467  |
| ECH  | Echinids                         | Phylum  | Echinids               | NC           | 480    |
| ECME | Echinus melo                     | Species | Echinids               | Echinus      | 193    |
| ENS  | Non identified encrusting sponge | Phylum  | Sponge                 | NC           | 24 173 |
| EPAR | Epizoanthus arenaceus            | Species | Zoantharia             | Epizoanthus  | 28     |
| ERBR | Erected bryozoan                 | Phylum  | Erected bryozoan       | NC NC        | 2 246  |
| ERMA | Erected red macroalgae           | Class   | Erected red macroalgae | NC           | 5 733  |
| EUCA | Eunicella cavolini               | Species | Gorgonian              | Eunicella    | 6 967  |
| EUSI | Eunicella singularis             | Species | Gorgonian              | Eunicella    | 652    |
| EUSP | Eudendrium sp                    | Gender  | Hydroid                | Eudendrium   | 133    |
| EUVE | Eunicella verrucosa              | Species | Gorgonian              | Eunicella    | 66     |
| FARE | Fauchea repens                   | Species | Erected red macroalgae | Fauchea      | 387    |
| FILB | Filamentous brown algae          | Class   | Brown macroalgae       | NC           | 12 501 |
| FILG | Filamentous green algae          | Phylum  | Green macroalgae       | NC           | 7 825  |
| FILR | Filamentous red algae            | Class   | Erected red macroalgae | NC           | 4 023  |
| FISA | Filograna or Salmacina sp        | Gender  | Sedentary worms        | Filograna    | 657    |
| FLPE | Flabellia petiolata              | Species | Green macroalgae       | Flabellia    | 20 725 |
| FRVE | Frondipora verrucosa             | Species | Erected bryozoan       | Frondipora   | 5      |
| GMAC | Green macroalgae                 | Phylum  | Green macroalgae       | NC           | 676    |
| GORG | Gorgonian                        | Family  | Gorgonian              | NC           | 49     |
| GULA | Guancha lacunosa                 | Species | Sponge                 | Guancha      | 2      |
| HALA | Halymenia latifolia              | Species | Erected red macroalgae | Halymenia    | 52     |
| HALI | Haliclona Sp                     | Gender  | Sponge                 | Haliclona    | 743    |
| HAME | Haliclona mediterranea           | Species | Sponge                 | Haliclona    | 371    |
| HAPA | Halocynthia papillosa            | Species | Ascidians              | Halocynthia  | 493    |
| НАРО | Haliclona poecillastroides       | Species | Sponge                 | Haliclona    | 244    |
| HATU | Halimeda tuna                    | Species | Green macroalgae       | Halimeda     | 2 569  |
| HECO | Hemimycale columella             | Species | Sponge                 | Hemimycale   | 381    |
| HEPR | Hexadella pruvoti                | Species | Sponge                 | Hexadella    | 71     |
| HERA | Hexadella racovitzai             | Species | Sponge                 | Hexadella    | 3 745  |
| HODU | Hoplangia durotrix               | Species | Scleractinia           | Hoplangia    | 51     |
| HOFR | Hornera frondiculata             | Species | Erected bryozoan       | Hornera      | 209    |
| HY   | Hydrozoa                         | Phylum  | Hydroid                | NC           | 4 941  |
| IDAT | Idmidronea atlantica             | Species | Erected bryozoan       | Idmidronea   | 233    |
| IROR | Ircinia oros                     | Species | Sponge                 | Ircinia      | 112    |
| IRVA | Ircinia variabilis               | Species | Sponge                 | Ircinia      | 17     |

| JARU | Jania rubens                     | Species | Erected red macroalgae            | Jania          | 23     |
|------|----------------------------------|---------|-----------------------------------|----------------|--------|
| KAPA | Kallymenia patens                | Species | Erected red macroalgae            | Kallymenia     | 2      |
| LARO | Laminaria rodriguezi             | Species | Brown macroalgae                  | Laminaria      | 2      |
| LEPR | Leptopsammia pruvoti             | Species | Scleractinia                      | Leptopsammia   | 1 741  |
| LESA | Leptogorgia sarmentosa           | Species | Gorgonian                         | Leptogorgia    | 38     |
| LICA | Lithophyllum cabiochae           | Species | Encrusting red macroalgae         | Lithophyllum   | 473    |
| LICO | Lithothamnion corallioides       | Species | Encrusting red macroalgae         | Lithothamnion  | 57     |
| LIIN | Lithophyllum incrustans          | Species | Encrusting red<br>macroalgae      | Lithophyllum   | 6 131  |
| LISP | Lithophyllum sp                  | Gender  | Encrusting red macroalgae         | Lithophyllum   | 539    |
| LIST | Lithophyllum stictaeforme        | Species | Encrusting red macroalgae         | Lithophyllum   | 6 718  |
| MAED | Maasella edwardsii               | Species | Alcyonaria                        | Maasella       | 11     |
| MAPH | Madracis pharensis               | Species | Scleractinia                      | Madracis       | 33     |
| MAS  | Non identified massive<br>sponge | Phylum  | Sponge                            | NC             | 3 314  |
| MEAL | Mesophyllum alternans            | Species | Encrusting red macroalgae         | Mesophyllum    | 95 199 |
| MEEX | Mesophyllum expansum             | Species | Encrusting red macroalgae         | Mesophyllum    | 1 508  |
| MESP | Mesophyllum sp                   | Gender  | Encrusting red macroalgae         | Mesophyllum    | 2 806  |
| MIMI | Miniacina miniacea               | Species | Foraminifera                      | Miniacina      | 123    |
| MISA | Microcosmus sabatieri            | Species | Ascidians                         | Microcosmus    | 11     |
| MYIN | Myxilla incrustans               | Species | Sponge                            | Myxilla        | 203    |
| MYRO | Myxilla rosacea                  | Species | Sponge                            | Myxilla        | 4      |
| MYT  | Myriapora truncata               | Species | Erected bryozoan                  | Myriapora      | 1 789  |
| NEMA | Neogoniolithon<br>mamillosum     | Species | Encrusting red macroalgae         | Neogoniolithon | 173    |
| OL   | Other live                       | NC      | Other                             | Other          | 961    |
| ONL  | Other non live                   | NC      | Tape, wand, shadow                | NC             | 705    |
| OPHI | Ophidiaster ophidianus           | Species | Asterids                          | Ophidiaster    | 10     |
| OSSP | Oscarella sp                     | Gender  | Sponge                            | oscarella      | 575    |
| OSVO | Osmundaria volubilis             | Species | Erected red macroalgae            | Osmundaria     | 23     |
| Р    | Pavement                         | NC      | sludge, pavement,<br>rubble, sand | NC             | 146    |
| PAAX | Parazoanthus axinellae           | Species | Zoantharia                        | Parazoanthus   | 4 459  |
| PACL | Paramuricea clavata              | Species | Gorgonian                         | Paramuricea    | 11 237 |
| PACR | Palmophyllum crassum             | Species | Green macroalgae                  | Palmophyllum   | 1 548  |
| PALI | Paracentrotus lividus            | Species | Echinids                          | Paracentrotus  | 18     |
| PAMA | Paramuricea macrospina           | Species | Gorgonian                         | Paramuricea    | 341    |
| PAPA | Padinia pavonica                 | Species | Brown macroalgae                  | Padinia        | 47     |
| PCSP | Encrusting Peyssonnelia sp       | Gender  | Encrusting red macroalgae         | Peyssonnelia   | 70 731 |
| PEF  | Pentapora fascialis              | Species | Erected bryozoan                  | Pentapora      | 1 275  |
| PEFI | Petrosia ficiformis              | Species | Sponge                            | Petrosia       | 168    |
| PEN  | Pennatularian                    | Family  | Pennatularian                     | NC             | 10     |

| PESP | Erected Peyssonnelia sp         | Gender  | Encrusting red macroalgae         | Peyssonnelia   | 51 562  |
|------|---------------------------------|---------|-----------------------------------|----------------|---------|
| PHAN | Phanerogam                      | Species | Phanerogam                        | NC             | 1       |
| PHCA | Phymatolithon calcareum         | Species | Encrusting red<br>macroalgae      | Phymatolithon  | 290     |
| PHFI | Phorbas fictitius               | Species | Sponge                            | Phorbas        | 8       |
| PHFU | Phallusia fumigata              | Species | Ascidians                         | Phallusia      | 13      |
| PHLE | Phymatolithon lenormandii       | Species | Encrusting red macroalgae         | Phymatolithon  | 7       |
| PHMA | Phallusia mamillata             | Species | Ascidians                         | Phallusia      | 3       |
| PHTE | Phorbas tenacior                | Species | Sponge                            | Phorbas        | 1 685   |
| PHTO | Phorbas topsenti                | Species | Sponge                            | Phorbas        | 15      |
| PHYL | Phyllariopsis Sp                | Gender  | Brown macroalgae                  | Phyllariopsis  | 79      |
| PLSP | Pleraplysilla spinifera         | Species | Sponge                            | Pleraplysilla  | 836     |
| POAU | Polyclinum aurantium            | Species | Ascidians                         | Polyclinum     | 47      |
| POLC | Polycitor sp                    | Gender  | Ascidians                         | Polycitor      | 36      |
| POMU | Polycyathus muellerae           | Species | Scleractinia                      | Polycyathus    | 3       |
| POOC | Posidonia oceanica              | Species | Phanerogam                        | Posidonia      | 10      |
| PYCL | Pycnoclavella sp                | Gender  | Ascidians                         | Pycnoclavella  | 1 092   |
| R    | Rubble                          | NC      | sludge, pavement,<br>rubble, sand | NC             | 12 940  |
| RAAC | Raspaciona aculeata             | Species | Sponge                            | Raspaciona     | 112     |
| REFU | Reniera fulva                   | Species | Sponge                            | Reniera        | 584     |
| RESP | Reteporella sp                  | Gender  | Erected bryozoan                  | reteporella    | 1 183   |
| REVI | Reptadeonella violacea          | Species | Encrusting bryozoan               | Reptadeonella  | 5       |
| RHNE | Rhopalaea neapolitana           | Species | Ascidians                         | Rhopalaea      | 596     |
| S    | Sludge                          | NC      | sludge, pavement,<br>rubble, sand | NC             | 236 923 |
| SAEL | Sagartia elegans                | Species | Actiniaria                        | Sagartia       | 3       |
| SARC | Sarcotragus sp                  | Gender  | Sponge                            | Sarcotragus    | 120     |
| SASA | Savalia savaglia                | Species | Zoantharia                        | Savalia        | 5       |
| SASP | Sabella spallanzanii            | Species | Sedentary worms                   | Sabella        | 27      |
| SCLR | Scleractinia                    | Order   | Scleractinia                      | NC             | 107     |
| SCMA | Schizomavella mamillata         | Species | Encrusting bryozoan               | Schizomavella  | 2 592   |
| SCSE | Schizotheca serratimargo        | Species | Erected bryozoan                  | Schizotheca    | 3       |
| SCSP | Scrupocellaria sp               | Gender  | Erected bryozoan                  | Scrupocellaria | 183     |
| SGR  | Sphaerechinus granularis        | Species | Echinids                          | Sphaerechinus  | 27      |
| SHAD | Shadow                          | NC      | Tape, wand, shadow                | NC             | 40 228  |
| SMCE | Smittina cervicornis            | Species | Erected bryozoan                  | Smittina       | 160     |
| SPCO | Sphaerococcus<br>coronopifolius | Species | Erected red macroalgae            | Sphaerococcus  | 107     |
| SPLA | Spongia lamella                 | Species | Sponge                            | Spongia        | 176     |
| SPO  | Sponges                         | Phylum  | Sponge                            | NC             | 40      |
| SPOF | Spongia officinalis             | Species | Sponge                            | Spongia        | 29      |
| SPSO | Spatoglossum solieri            | Species | Brown macroalgae                  | Spatoglossum   | 179     |
| STAF | Stylocidaris affinis            | Species | Echinids                          | Stylocidaris   | 7       |
| SUSP | Suberites sp                    | Gender  | Sponge                            | Suberites      | 33      |
| SWO  | Sedentary worms                 | Phylum  | Sedentary worms                   | NC             | 1 346   |
| TAPE | Таре                            | NC      | Tape, wand, shadow                | NC             | 246     |
| TEGE | Terpios gelatinosa              | Species | Sponge                            | Terpios        | 40      |

| TUAV | Turbicellepora avicularis | Species | Erected bryozoan       | Turbicellepora | 423    |
|------|---------------------------|---------|------------------------|----------------|--------|
| UNK  | Unknowns                  | NC      | Unknowns               | NC             | 16 617 |
| VAMA | Valonia macrophysa        | Species | Green macroalgae       | Valonia        | 591    |
| VATU | Valkeria tuberosa         | Species | Erected bryozoan       | Valonia        | 34     |
| VAUT | Valonia utricularis       | Species | Green macroalgae       | Valonia        | 22     |
| VAVE | Valonia ventricosa        | Species | Green macroalgae       | Codium         | 2      |
| WAND | Wand                      | NC      | Tape, wand, shadow     | NC             | 7 516  |
| WOSE | Womersleyella setacea     | Species | Erected red macroalgae | Womersleyella  | 2 779  |
| ZATY | Zanardinia typus          | Species | Brown macroalgae       | Zanardinia     | 2 394  |
| ZO   | Zoantharia                | Class   | Zoantharia             | NC             | 47     |