

Supplementary Materials: MorphoCluster: Efficient Annotation of Plankton images by Clustering

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¹ 1. Label supercategories

This list accompanies Figure 6 and shows all labels contained in the colored supercategories.

³ **artefact*** (23, darkgray): artefact, artefact/badfocus, artefact/badfocus/badfocus_to_aggregate,
⁴ artefact/badfocus/badfocus_to_ oversegmented, artefact/badfocus/badfocus_to_ oversegmented,
⁵ artefact/badfocus/shrimp-badfocus_to_ oversegmented, artefact/bubbles/bubbles-hexagonal,
⁶ artefact/bubbles/bubbles-hexagonal_to_badfocus, artefact/bubbles/bubbles-two-halfmoons,
⁷ artefact/bubbles/bubbles-two-stars, artefact/bubbles/bubbles-two-starts, artefact/cut,
⁸ artefact/cut/cut-aggregates-jellies, artefact/cut/cut-aggregates-turbid, artefact/cut/cut-fibers_to_turbid,
⁹ artefact/cut/cut-jellies, artefact/cut/cut-jellies-quadratic, artefact/cut/cut-tentacles,
¹⁰ artefact/cut/tentacles-large-aggregates-cut, artefact/seafloor, artefact/turbid, artefact/turbid/turbid-fuzzy,
¹¹ artefact/turbid/turbid-w-objects
¹² **detritus/acantharia-remains_to_fiber*** (1, darkgoldenrod): detritus/acantharia-remains_to_fiber
¹³ **detritus/aggregate*** (59, peru): detritus/aggregate/aggregate-angled-grey, detritus/aggregate/aggregate-angled-grey_to_crustacea,
¹⁴ detritus/aggregate/aggregate-ball-dark, detritus/aggregate/aggregate-balls-fluffy-grey,
¹⁵ detritus/aggregate/aggregate-balls-grey_to_aggregate-fluffy-grey, detritus/aggregate/aggregate-compact-fluffy-dark,
¹⁶ detritus/aggregate/aggregate-compact-fluffy-grey, detritus/aggregate/aggregate-compact-fluffy_to_feces,
¹⁷ detritus/aggregate/aggregate-compact-grey, detritus/aggregate/aggregate-compact-grey_to_rhizaria,
¹⁸ detritus/aggregate/aggregate-compact-large-grey, detritus/aggregate/aggregate-compact-small-grey,
¹⁹ detritus/aggregate/aggregate-dark-fluffy-ball, detritus/aggregate/aggregate-fiber-fluffy-dark,
²⁰ detritus/aggregate/aggregate-fiber-fluffy-grey, detritus/aggregate/aggregate-fluff-dark-edges,
²¹ detritus/aggregate/aggregate-fluffy-dark, detritus/aggregate/aggregate-fluffy-dark-two-spots,
²² detritus/aggregate/aggregate-fluffy-dark_to_feces, detritus/aggregate/aggregate-fluffy-dark_to_fiber-fluffy-dark,
²³ detritus/aggregate/aggregate-fluffy-grey, detritus/aggregate/aggregate-fluffy-large-compact-maybe-from-appendicularia,
²⁴ detritus/aggregate/aggregate-fluffy-light, detritus/aggregate/aggregate-fluffy-light-w-flota,
²⁵ detritus/aggregate/aggregate-fluffy-lightgrey, detritus/aggregate/aggregate-fluffy-lightgrey_to_feces,
²⁶ detritus/aggregate/aggregate-fluffy-loose-fiber_to_ oversegmented, detritus/aggregate/aggregate-fluffy-loose-grey,
²⁷ detritus/aggregate/aggregate-fluffy-loose-grey_to_fluffy_fiber, detritus/aggregate/aggregate-fluffy-loose-lightgrey,
²⁸ detritus/aggregate/aggregate-fluffy-sinker_to_fiber-bundle, detritus/aggregate/aggregate-fluffy-very-faint_to_badfocus,
²⁹ detritus/aggregate/aggregate-fluffy-w-many-dark-spots, detritus/aggregate/aggregate-fluffy-w-two-dots,
³⁰ detritus/aggregate/aggregate-large-ball_to_globule, detritus/aggregate/aggregate-large-fluffy-and-appendicularia,
³¹ detritus/aggregate/aggregate-large-marine-snow-w-black-parts_to_cut, detritus/aggregate/aggregate-long-fluffy-dark_to_fiber,
³² detritus/aggregate/aggregate-rings-small-dark, detritus/aggregate/aggregate-sinker-large-fluffy,
³³ detritus/aggregate/aggregate-small-feathery_to_compact, detritus/aggregate/aggregate-small-fibers-grey_to_compact,
³⁴ detritus/aggregate/aggregate-small-grey-compact, detritus/aggregate/aggregate-thorny-grey,
³⁵ detritus/aggregate/aggregate-thorny-grey_to_crustacea, detritus/aggregate/aggregate-very-fluffy,
³⁶ detritus/aggregate/aggregate-very-fluffy-and-large, detritus/aggregate/aggregate-very-fluffy-loose-grey,
³⁷ detritus/aggregate/aggregate-very-large-fluffy, detritus/aggregate/aggregate-very-large-w-cut-tentacles,
³⁸ detritus/aggregate/aggregate-very-loose-grey, detritus/aggregate/aggregate-very-loose-w-dark-spots,
³⁹ detritus/aggregate/aggregate_dark_thorny_to_fiber, detritus/aggregate/aggregate_to_crustacea-decaying,
⁴⁰ detritus/aggregate/aggregate_to_solitary-black, detritus/aggregate/fluffy-grey,
⁴¹ detritus/aggregate/jelly-like-remains-and-dark-spots, detritus/aggregate/small-aggregates-mixed-w-compact,
⁴² detritus/aggregate/very-fluffy-possibly-discarded-appendicularia-houses
⁴³ **detritus/compact*** (21, sienna): detritus/compact/compact-almond-grey_to_bubble, detritus/compact/compact-angled-dark,
⁴⁴ detritus/compact/compact-angled-dark_to_small-crustacea, detritus/compact/compact-dark,
⁴⁵ detritus/compact/compact-dark-thorny, detritus/compact/compact-dark-twins_to_bubble-stars,
⁴⁶ detritus/compact/compact-dark_to_aggregate-dark-fluffy, detritus/compact/compact-dark_to_crustacea,
⁴⁷ detritus/compact/compact-doubles-w-fluffy-surrounds, detritus/compact/compact-grey,
⁴⁸ detritus/compact/compact-grey-egg-form, detritus/compact/compact-grey-slightly-fluffy,
⁴⁹ detritus/compact/compact-grey-w-small-jellies_to_aggregate, detritus/compact/compact-light-grey_to_globule,
⁵⁰ detritus/compact/compact-round-black_to_solitary-black, detritus/compact/compact-small-dark_to_crustacea,
⁵¹ detritus/compact/compact-small-round-grey, detritus/compact/compact-small-round-grey_to_solitary-black,
⁵² detritus/compact/compact-thorny-dark_to_small-crustacea, detritus/compact/compact-w-fluffy-surrounds,
⁵³ detritus/compact/dark-compact-thorny_to_crustacea_small
⁵⁴ **detritus/crustacea-parts*** (1, maroon): detritus/crustacea-parts
⁵⁵ **detritus/feces*** (9, saddlebrown): detritus/feces/feces-bended-lengthy, detritus/feces/feces-dark-straight_to_trichodesmium-tuft,
⁵⁶ detritus/feces/feces-little-bended, detritus/feces/feces-little-fluffy, detritus/feces/feces-short-grey_to_trichodesmium-tuft,

57 detritus/feces/feces-small-grey, detritus/feces/feces-straight-faint-fluffy, detritus/feces/feces-straight-grey,
 58 detritus/feces/feces_to_trichodesmium-tuft
59 detritus/fiber* (31, goldenrod): detritus/fiber/fiber-bended-fluffy, detritus/fiber/fiber-bended-long-slightly-bundled,
 60 detritus/fiber/fiber-bended-ring-like, detritus/fiber/fiber-bended-thin, detritus/fiber/fiber-bended_to_tuft-sharp-ending,
 61 detritus/fiber/fiber-boundles-grey_to_aggregates-fluffy-grey, detritus/fiber/fiber-bundle,
 62 detritus/fiber/fiber-bundle-fluffy, detritus/fiber/fiber-bundle-grey, detritus/fiber/fiber-bundle-grey-small,
 63 detritus/fiber/fiber-bundle-large_to_aggregate, detritus/fiber/fiber-bundle-small,
 64 detritus/fiber/fiber-bundle-small-fragile, detritus/fiber/fiber-bundle-small_to_puff, detritus/fiber/fiber-fluffy-grey,
 65 detritus/fiber/fiber-fluffy-w-dark-spots, detritus/fiber/fiber-fluffy_to_feces, detritus/fiber/fiber-large-bundle,
 66 detritus/fiber/fiber-large-long-fluffy, detritus/fiber/fiber-long-slightly-bended-multiple, detritus/fiber/fiber-loops,
 67 detritus/fiber/fiber-medium-bended_to_feces, detritus/fiber/fiber-straight-w-knot, detritus/fiber/fiber-thin-w-dots,
 68 detritus/fiber/fiber-thin_to_chaetognatha, detritus/fiber/fiber_to_puff, detritus/fiber/fiber_to_rhizaria-spiky,
 69 detritus/fiber/fiber_to_small-crustacean, detritus/fiber/fiber_to_solitary-black, detritus/fiber/fluffy_fiber,
 70 detritus/fiber/fluffy_fiber/fluffy-fiber
71 detritus/rhizaria-remains_to_aggregate_small_fluffy* (1, tan): detritus/rhizaria-remains_to_aggregate_small_fluffy
72 metazoa/appendicularia* (2, mediumvioletred): metazoa/appendicularia/appendicularia-hous,
 73 metazoa/appendicularia/appendicularia-inner-house
74 metazoa/chaetognatha* (3, blueviolet): metazoa/chaetognatha, metazoa/chaetognatha/chaetognatha_to_badfocus,
 75 metazoa/chaetognatha/chaetognatha_to_cut
76 metazoa/crustacea* (41, red): metazoa/crustacea/amphipoda, metazoa/crustacea/amphipoda-like,
 77 metazoa/crustacea/copepoda, metazoa/crustacea/copepoda-dark_to_amphipoda,
 78 metazoa/crustacea/copepoda-like, metazoa/crustacea/copepoda-like_to_detritus_compact_angled_grey,
 79 metazoa/crustacea/copepoda-like_to_ostracoda-like, metazoa/crustacea/copepoda-to-detritus,
 80 metazoa/crustacea/copepoda/calanoida, metazoa/crustacea/copepoda/calanoida/dorsal-or-ventral,
 81 metazoa/crustacea/copepoda/calanoida/side-view, metazoa/crustacea/copepoda/calanoida/side-views,
 82 metazoa/crustacea/copepoda/compact-dark, metazoa/crustacea/copepoda/copepoda-like,
 83 metazoa/crustacea/copepoda-side-view_to_detritus_compact-grey, metazoa/crustacea/copepoda/copepoda-small-feathery,
 84 metazoa/crustacea/copepoda/harpacticoida, metazoa/crustacea/copepoda/mixed-view,
 85 metazoa/crustacea/copepoda/small-side-view, metazoa/crustacea/copepoda_to_badfocus,
 86 metazoa/crustacea/crustacea-like, metazoa/crustacea/crustacea_to_amphipoda-like, metazoa/crustacea/drop-like,
 87 metazoa/crustacea/drop-like_to_aggregate, metazoa/crustacea/drop-like_to_badfocus,
 88 metazoa/crustacea/drop-like_to_shrimp, metazoa/crustacea/ostracoda, metazoa/crustacea/pleuroncodes,
 89 metazoa/crustacea/shrimp, metazoa/crustacea/shrimp/shrimp-decaying-or-ill,
 90 metazoa/crustacea/shrimp/shrimp-front-view, metazoa/crustacea/shrimp/shrimp-head_to_shrimp-front-view,
 91 metazoa/crustacea/shrimp/shrimp-like, metazoa/crustacea/shrimp/shrimp-tails,
 92 metazoa/crustacea/shrimp/shrimp_to_oversegmented, metazoa/crustacea/shrimp_to_badfocus,
 93 metazoa/crustacea/shrimp_to_copepoda/drop_like, metazoa/crustacea/side-view,
 94 metazoa/crustacea/small_crustacea_to_feces, metazoa/crustacea/spider-like-amphipods,
 95 metazoa/crustacea/undefined
96 metazoa/drop-like* (1, salmon): metazoa/drop-like
97 metazoa/fish* (1, darkslateblue): metazoa/fish
98 metazoa/jellies* (14, darkcyan): metazoa/jellies/cnidaria/bitentaculata, metazoa/jellies/cnidaria/fringed-jellies-w-dot,
 99 metazoa/jellies/cnidaria/jellies-large-medusa, metazoa/jellies/cnidaria/jellies-w-cross,
 100 metazoa/jellies/cnidaria/jellies-w-dot-and-edges, metazoa/jellies/cnidaria/jellies-w-dots_to_badfocus,
 101 metazoa/jellies/cnidaria/jellies-w-stripes, metazoa/jellies/cnidaria/jelly-small-rings_to_badcocus,
 102 metazoa/jellies/cnidaria/medusa-compact, metazoa/jellies/cnidaria/medusa-large_to_cut,
 103 metazoa/jellies/cnidaria/round-jellies-w-dot, metazoa/jellies/cnidaria/small-jellies-w-dot,
 104 metazoa/jellies/ctenophora/beroe-type, metazoa/jellies/ctenophora/top-view
105 metazoa/mollusca* (4, indigo): metazoa/mollusca/snail, metazoa/mollusca/veliger,
 106 metazoa/mollusca/veliger/veliger-straight-arms, metazoa/mollusca/veliger/veliger_to_solitary-black
107 metazoa/polychaeta* (6, magenta): metazoa/polychaeta, metazoa/polychaeta/flota, metazoa/polychaeta/long-bended-worms,
 108 metazoa/polychaeta/poeobius, metazoa/polychaeta/short-bended-worms-feathery,
 109 metazoa/polychaeta/worms_to_badfocus
110 metazoa/salpida-larvae* (1, pink): metazoa/salpida-larvae
111 mix* (5, lightgray): mix/crustacea_to_badfocus, mix/detritus_to_chaetognatha, mix/detritus_to_crustacea,
 112 mix/fiber_fentacles, mix/mix-of-different-grey-items
113 rhizaria/* (14, aqua): rhizaria/almond-eye, rhizaria/collodaria/colonial, rhizaria/double-lobes,
 114 rhizaria/eight-armed, rhizaria/rhizaria-mix, rhizaria/rhizaria-small_to_compact, rhizaria/rhizaria_to_detritus,
 115 rhizaria/six-lobes, rhizaria/sphere-eye-w-spikes, rhizaria/triangular-eye-w-spikes,
 116 rhizaria/triangular-sphere, rhizaria/triangular-sphere_to_sphere-legs, rhizaria/unknown-four-lobes-w-spikes,
 117 rhizaria/unknown-quadruple-colony
118 rhizaria/acantharia* (3, lightblue): rhizaria/acantharia, rhizaria/acantharia/acantharia-small_to_solitary-black,
 119 rhizaria/acantharia_to_spiky
120 rhizaria/foraminifera* (5, skyblue): rhizaria/foraminifera/foraminifera-tight, rhizaria/foraminifera/foraminifera_to_foraminifera-cut,
 121 rhizaria/foraminifera_to_fiber-bundle-fluffy, rhizaria/foraminifera_to_sphere-legs, rhizaria/foraminifera_to_spiky

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122 rhizaria/globule* (3, deepskyblue): rhizaria/globule/globule_to_badfocus,    rhizaria/globule/globule_to_sphere_thorn,
123     rhizaria/globule/small-globule
124 rhizaria/solitary-black* (11, cornflowerblue): rhizaria/solitary-black,           rhizaria/solitary-black-faint,
125     rhizaria/solitary-black-like,    rhizaria/solitary-black-like_to_acantharia,   rhizaria/solitary-black-like_to_rhizaria,
126     rhizaria/solitary-black/solitary-black-large,                      rhizaria/solitary-black/solitary-black-like,
127     rhizaria/solitary-black/solitary-black-small,      rhizaria/solitary-black/solitary-black-small-w-grey-surrounds,
128     rhizaria/solitary-black/solitary-black_to_sphere_eye, rhizaria/solitary-black_to_puff
129 rhizaria/sphere-thorn* (6, dodgerblue): rhizaria/sphere-thorn,                  rhizaria/sphere-thorn/sphere-thorn-doubles,
130     rhizaria/sphere-thorn/sphere-thorn_to_badfocus, rhizaria/sphere-thorn/sphere_thorn/sphere-thorn_to_badfocus,
131     rhizaria/sphere-thorn_to_legs, rhizaria/sphere-thorns-w-balls
132 trichodesmium/puff* (6, greenyellow): trichodesmium/puff,                      trichodesmium/puff/puff-large,
133     trichodesmium/puff/puff-large-small,          trichodesmium/puff/puff-large_to_fiber-bundle,
134     trichodesmium/puff/puff-medium, trichodesmium/puff/puff-small
135 trichodesmium/tuft* (5, limegreen): trichodesmium/tuft/feathery-ending,   trichodesmium/tuft/feathery-sharp-ending,
136     trichodesmium/tuft/sharp-ending,           trichodesmium/tuft/trichodesmium-tuft-dark_to_feces,
137     trichodesmium/tuft/tuft-grey-irregular
138 unknown* (15, gainsboro): unknown,      unknown/ball-w-tentacles,       unknown/eggs-maybe,      unknown/eye-slit,
139     unknown/fiber_w_growth_in_middle,   unknown/half-moon-w-dot,        unknown/half-moon-w-dot_to_badfocus,
140     unknown/halfmoon-w-dot,            unknown/jelly,             unknown/long-even,      unknown/ovoid-w-dark-center-line,
141     unknown/ovoid-w-dot,              unknown/unkown/appendicularia_body_to_harpacticoid,
142     unknown/unkown/small-rings-w-dots, unknown/weirdo

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143 2. Corresponding labels

144 This list accompanies Figure 7 and contains the corresponding names in \mathcal{L}_0 and \mathcal{L}_{MC} . The initial
 145 class names are in the same order as in the figure. Manually established correspondences are printed
 146 in bold.

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147 Annelida_Polychaeta (0): n/a
148 Crustacea_leg (0): n/a
149 Diplostraca_Cladocera (0): n/a
150 Euopisthobranchia_Thecosomata (0): n/a
151 Mollusca_Cephalopoda (0): n/a
152 Pyrosomatida_Pyrosoma (0): n/a
153 Solmundella_Solmundella_bitentaculata (0): n/a
154 detritus_light (0): n/a
155 othertocheck_darksphere (0): n/a
156 temporary_t009 (0): n/a
157 Appendicularia_body (1): aggregate/aggregate-balls-grey_to_aggregate-fluffy-grey
158 Arthropoda_Crustacea (1): crustacea/spider-like-amphipods
159 Collodaria_solitaryfuzzy (1): rhizaria/solitary-black-like_to_rhizaria
160 Euopisthobranchia_Gymnosomata (1): fiber/fiber-boundles-grey_to_aggregates-fluffy-grey
161 Munididae_Pleuroncodes (1): crustacea/pleuroncodes
162 Terebellida_Flota (1): polychaeta/flota
163 Thaliacea_Salpida (1): cut/cut-aggregates-jellies
164 Trachylina_Narcomedusae (1): cnidaria/medusa-large_to_cut
165 temporary_t002 (1): rhizaria/eight-armed
166 temporary_t003 (1): rhizaria/six-lobes
167 temporary_t005 (1): rhizaria/sphere-thorns-w-balls
168 temporary_t006 (1): metazoa/salpida-larvae
169 temporary_t015 (1): aggregate/aggregate-fluffy-dark_to_fiber-fluffy-dark
170 Appendicularia_house (2): aggregate/aggregate-large-fluffy-and-appendicularia, aggregate/very-fluffy-possibly-discarded-appendicularia-houses
171 Hydrodroidolina_Siphonophorae (2): artefact/cut, aggregate/aggregate-very-large-w-cut-tentacles
172 Metazoa_Ctenophora (2): cut/cut-aggregates-turbid, ctenophora/beroe-type
173 Vertebrata_Gnathostomata (2): metazoa/fish, chaetognatha/chaetognatha_to_cut
174 temporary_t004 (2): rhizaria/triangular-sphere, rhizaria/triangular-eye-w-spikes
175 temporary_t010 (2): aggregate/aggregate_dark_thorny_to_fiber, feces/feces-little-fluffy
176 temporary_t012 (2): aggregate/aggregate-fluffy-lightgrey, feces/feces-straight-faint-fluffy
177 Aulacanthidae_Aulacantha (3): rhizaria/sphere-thorn, rhizaria/rhizaria-mix, rhizaria/sphere-thorn_to_legs
178 Metazoa_Mollusca (3): compact/compact-dark_to_aggregate-dark-fluffy, crustacea/crustacea-like, rhizaria /double-lobes
179 Phaeosphaeridae_Aulosphaeridae (3): rhizaria/sphere-eye-w-spikes, solitary-black/solitary-black-small-w-grey-surrounds,
180     sphere-thorn/sphere-thorn_to_badfocus
181 Terebellida_Poeobius (3): polychaeta/poeobius, compact/compact-doubles-w-fluffy-surrounds, fiber/fiber-bundle
182 Tunicata_Appendicularia (3): aggregate/aggregate-large-marine-snow-w-black-parts_to_cut,
183     aggregate/aggregate-very-fluffy-and-large, appendicularia/appendicularia-hous
184 artefact_turbid (3): artefact/turbid, turbid/turbid-fuzzy, turbid/turbid-w-objects

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185 **detritus_compact** (3): aggregate/aggregate-fluff-dark-edges, compact/compact-dark,
 186 compact/compact-small-dark_to_crustacea
 187 **temporary_t001** (3): fiber/fiber-loops, rhizaria/almond-eye, unknown/halfmoon-w-dot
 188 **Hydrozoa_Cnidaria** (4): aggregate/aggregate-very-fluffy, cnidaria/fringed-jellies-w-dot, cnidaria/jellies-w-cross,
 189 cnidaria/jellies-w-stripes
 190 **Retaria_Foraminifera** (4): cut/cut-tentacles, foraminifera/foraminifera-tight, foraminifera/foraminifera_to_foraminifera-cut,
 191 rhizaria/foraminifera_to_spiky
 192 **Metazoa_Chaetognatha** (5): **metazoa/chaetognatha**, fiber/fiber-fluffy-grey, fiber/fiber-thin_to_chaetognatha,
 193 chaetognatha/chaetognatha_to_badfocus, mix/fiber_tentacles
 194 **Mollusca.veliger** (5): **mollusca/veliger**, aggregate/aggregate_to_solitary-black, aggregate/small-aggregates-mixed-w-compact,
 195 detritus/rhizaria-remains_to_aggregate_small_fluffy, veliger/veliger-straight-arms
 196 **Oligostraca_Ostracoda** (5): **crustacea/ostracoda**, aggregate/aggregate-angled-grey, compact/compact-dark-thorny,
 197 copepoda/copepoda-side-view_to_detritus-compact-grey, mix/mix-of-different-grey-items
 198 **Retaria_Acantharea** (5): **rhizaria/acantharia**, aggregate/aggregate-compact-large-grey, fiber/fiber_to_solitary-black,
 199 rhizaria/acantharia_to_spiky, tuft/tuft-grey-irregular
 200 **detritus_oval** (5): aggregate/aggregate-compact-grey, aggregate/aggregate-rings-small-dark,
 201 compact/compact-grey-egg-form, compact/compact-grey-slightly-fluffy, unknown/eye-slit
 202 **fiber_fluffy** (5): aggregate/aggregate-compact-fluffy_to_feces, aggregate/aggregate-fluffy-w-two-dots,
 203 aggregate/aggregate-very-loose-w-dark-spots, fiber/fiber-fluffy-w-dark-spots,
 204 unkown/appendicularia_body_to_harpacticoid
 205 **fluffy_light** (5): aggregate/aggregate-fluffy-loose-grey_to_fluffy_fiber, aggregate/aggregate-fluffy-loose-lightgrey,
 206 aggregate/aggregate-very-fluffy-loose-grey, mix/detritus_to_crustacea, unknown/oval-w-dot
 207 **temporary_t011** (5): aggregate/aggregate-fiber-fluffy-dark, aggregate/aggregate-fiber-fluffy-grey,
 208 aggregate/aggregate-fluffy-dark, aggregate/aggregate-fluffy-lightgrey_to_feces,
 209 aggregate/aggregate-thorny-grey_to_crustacea
 210 **Collodaria_colonial** (6): **collodaria/colonial**, aggregate/aggregate-fluffy-large-compact-maybe-from-appendicularia,
 211 aggregate/aggregate-large-ball_to_globule, aggregate/aggregate-very-loose-grey, sphere-thorn/sphere-thorn-doubles,
 212 unkown/small-rings-w-dots
 213 **Collodaria_solitaryblack** (6): **rhizaria/solitary-black**, compact/compact-round-black_to_solitary-black,
 214 rhizaria/rhizaria_to_detritus, rhizaria/solitary-black-like_to_acantharia, solitary-black/solitary-black-large,
 215 solitary-black/solitary-black_to_sphere_eye
 216 **Collodaria_solitarygrey** (6): aggregate/aggregate-ball-dark, aggregate/aggregate-fluffy-w-many-dark-spots,
 217 compact/compact-small-round-grey_to_solitary-black, acantharia/acantharia-small_to_solitary-black,
 218 rhizaria/rhizaria-small_to_compact, rhizaria/solitary-black-faint
 219 **Metazoa_Cnidaria** (6): cut/cut-jellies, aggregate/aggregate-balls-fluffy-grey, cnidaria/bitentaculata,
 220 cnidaria/jellies-large-medusa, cnidaria/jellies-w-dot-and-edges, cnidaria/round-jellies-w-dot
 221 **Trichodesmium_tuff** (6): feces/feces-short-grey_to_trichodesmium-tuft, fiber/fiber-bundle-grey-small,
 222 puff/puff-large_to_fiber-bundle, tuft/feathery-ending, tuft/feathery-sharp-ending, tuft/sharp-ending
 223 **Cnidaria_Hydrozoa** (7): aggregate/aggregate-compact-fluffy-grey, aggregate/aggregate-fluffy-light,
 224 compact/compact-grey-w-small-jellies_to_aggregate, fiber/fiber-bended-ring-like,
 225 cnidaria/jelly-small-rings_to_badcoccus, cnidaria/small-jellies-w-dot, unknown
 226 **Phaeodaria_leg** (7): **rhizaria/foraminifera_to_sphere-legs**, detritus/acantharia-remains_to_fiber, fiber/fiber-bundle-small,
 227 fiber/fiber_to_rhizaria-spiky, rhizaria/foraminifera_to_fiber-bundle-fluffy, rhizaria/solitary-black-like,
 228 rhizaria/triangular-sphere_to_sphere-legs
 229 **Collodaria_solitaryglobule** (8): aggregate/aggregate-compact-fluffy-dark, aggregate/aggregate-compact-grey_to_rhizaria,
 230 aggregate/aggregate-compact-small-grey, compact/compact-light-grey_to_globule, cnidaria/jellies-w-dots_to_badfocus,
 231 globule/globule_to_badfocus, globule/globule_to_sphere_thorn, globule/small-globule
 232 **artefact_badfocus** (8): artefact/badfocus, badfocus/badfocus_to_aggregate, badfocus/badfocus_to_oversegmented,
 233 bubbles/bubbles-hexagonal_to_badfocus, cut/cut-jellies-quadratic, aggregate/aggregate-fluffy-loose-fiber_to_oversegmented,
 234 aggregate/aggregate-fluffy-very-faint_to_badfocus, fiber/fiber-fluffy_to_feces
 235 **artefact_bubble** (8): bubbles/bubbles-hexagonal, bubbles/bubbles-two-halfmoons, bubbles/bubbles-two-stars,
 236 compact/compact-almond-grey_to_bubble, compact/compact-dark-twins_to_bubble-stars, compact/compact-grey,
 237 compact/compact-w-fluffy-surrounds, fiber/fiber-bended_to_tuft-sharp-ending
 238 **not-living_feces** (8): compact/compact-angled-dark, feces/feces-dark-straight_to_trichodesmium-tuft,
 239 feces/feces-little-bended, feces/feces-small-grey, feces/feces-straight-grey, feces/feces_to_trichodesmium-tuft,
 240 tuft/trichodesmium-tuft-dark_to_feces, unkown/long-even
 241 **Metazoa_Annelida** (9): aggregate/aggregate-fluffy-light-w-flota, aggregate/aggregate-long-fluffy-dark_to_fiber,
 242 fiber/fiber-bended-long-slightly-bundled, fiber/fiber-bundle-large_to_aggregate, fiber/fiber-large-long-fluffy,
 243 metazoa/polychaeta, polychaeta/long-bended-worms, polychaeta/worms_to_badfocus, mix/detritus_to_chaetognatha
 244 **detritus_fiber** (10): cut/cut-fibers_to_turbid, aggregate/aggregate-fluffy-sinker_to_fiber-bundle, feces/feces-bended-lengthy,
 245 fiber/fiber-bended-fluffy, fiber/fiber-bended-thin, fiber/fiber-long-slightly-bended-multiple,
 246 fiber/fiber-medium-bended_to_feces, fiber/fiber-straight-w-knot, fiber/fiber-thin-w-dots,
 247 unkown/half-moon-w-dot_to_badfocus

248 **fluffy_dark (12):** aggregate/aggregate-angled-grey_to_crustacea, aggregate/aggregate-dark-fluffy-ball,
249 aggregate/aggregate-fluffy-dark-two-spots, aggregate/aggregate-fluffy-dark_to_feces, aggregate/aggregate-fluffy-grey,
250 aggregate/aggregate-fluffy-loose-grey, aggregate/aggregate-small-fibers-grey_to_compact,
251 aggregate/jelly-like-remains-and-dark-spots, crustacea/coopepoda-dark_to_amphipoda,
252 copepoda/coopepoda-compact-dark, crustacea/undefined, ctenophora/top-view
253 **Trichodesmium_puff (13):** trichodesmium/puff, aggregate/aggregate-small-feathery_to_compact,
254 compact/compact-angled-dark_to_small-crustacea, compact/compact-small-round-grey, fiber/fiber-bundle-grey,
255 fiber/fiber-bundle-small_to_puff, fiber/fiber_to_puff, solitary-black/solitary-black-small,
256 rhizaria/solitary-black_to_puff, puff/puff-large, puff/puff-large-small, puff/puff-medium, puff/puff-small
257 **Maxillopoda_Copepoda (19):** crustacea/copepoda, aggregate/aggregate-thorny-grey,
258 compact/compact-thorny-dark_to_small-crustacea, fiber/fiber_to_small-crustacean, crustacea/amphipoda-like,
259 crustacea/copepoda-like, crustacea/copepoda-like_to_detritus_compact_angled_grey,
260 crustacea/copepoda-like_to_ostracoda-like, crustacea/copepoda-to-detritus, copepoda/calanoidea,
261 calanoidea/dorsal-or-ventral, calanoidea/side-view, copepoda/copepoda-small-feathery, copepoda/mixed-view,
262 copepoda/small-side-view, crustacea/drop-like_to_aggregate, crustacea/small_crustacea_to_feces,
263 unknown/ball-w-tentacles, unknown/fiber_w_growth_in_middle
264 **Malacostraca_Eumalacostraca (25):** crustacea/shrimp, badfocus/shrimp-badfocus_to_oversegmented,
265 aggregate/aggregate-sinker-large-fluffy, aggregate/aggregate-very-large-fluffy,
266 aggregate/aggregate_to_crustacea-decaying, detritus/crustacea-parts, fiber/fiber-large-bundle,
267 fiber/fluffy_fiber, crustacea/amphipoda, copepoda/harpacticoida, crustacea/copepoda_to_badfocus,
268 crustacea/crustacea_to_amphipoda-like, crustacea/drop-like, crustacea/drop-like_to_badfocus,
269 crustacea/drop-like_to_shrimp, shrimp/shrimp-decaying-or-ill, shrimp/shrimp-front-view,
270 shrimp/shrimp-like, shrimp/shrimp-tails, shrimp/shrimp_to_oversegmented, crustacea/shrimp_to_badfocus,
271 shrimp_to_copepoda/drop_like, crustacea/side-view, metazoa/drop-like, mix/crustacea_to_badfocus