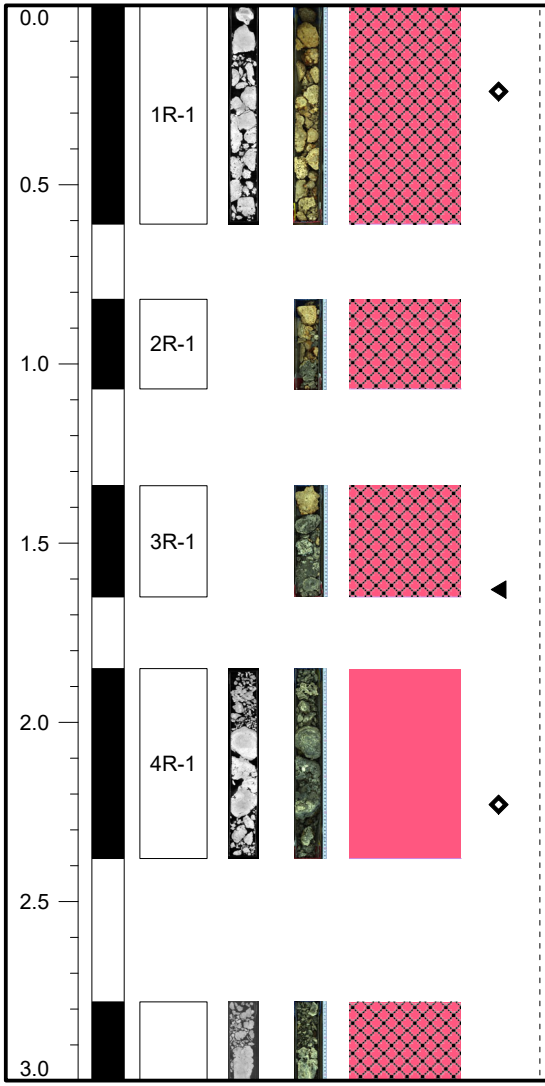
IODP Expedition 389 VCD

Site: M0103A

Hole M0103A

Region: Hilo
Water Depth: 404.5 m



Grain size	Fossils	Taphonomy	Color	Visual core description
	Coralline algae;Foraminifera;Bivalve;Gastropod;BRYO	encrustation - multilayered;bioerosion	10YR 7/4;10YR 8/2	Cobble- to pebble-sized rhodoliths, with CCA and FCA. Piece of grainstone at the top. Some bioclastic sediment .
	Coralline algae	encrustation - multilayered;bioerosion	10YR 8/2;5Y 7/2	Cobble- to pebble-sized rhodoliths, with CCA . .
	Coralline algae;Montipora-branching;Cyphastrea-encrusting;BRYO;Foraminifera	encrustation - multilayered;bioerosion	10YR 8/2;5Y 7/2	Cobble- to pebble-sized rhodoliths, with CCA and FCA., some heavily bored. Bioclastic sediment.
	Coralline algae;Montipora-branching;BRYO;Foraminifera	encrustation - multilayered;bioerosion	10YR 8/2;5Y 7/2	Cobble- to pebble-sized rhodoliths, with CCA , bryozoans and encrusting foraminifers, some heavily bored. Coalesced nodules. Bioclastic sediment.
	Coralline			

VCD legend

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- Core recovered
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- Wash bore
- High disturbance

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- FRW-CorAlgMicrobBound
- FRW-MicrobAlgBound
- FRW-MicrobBound
- FRW-AlgBound
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- FALL

IODP Samples
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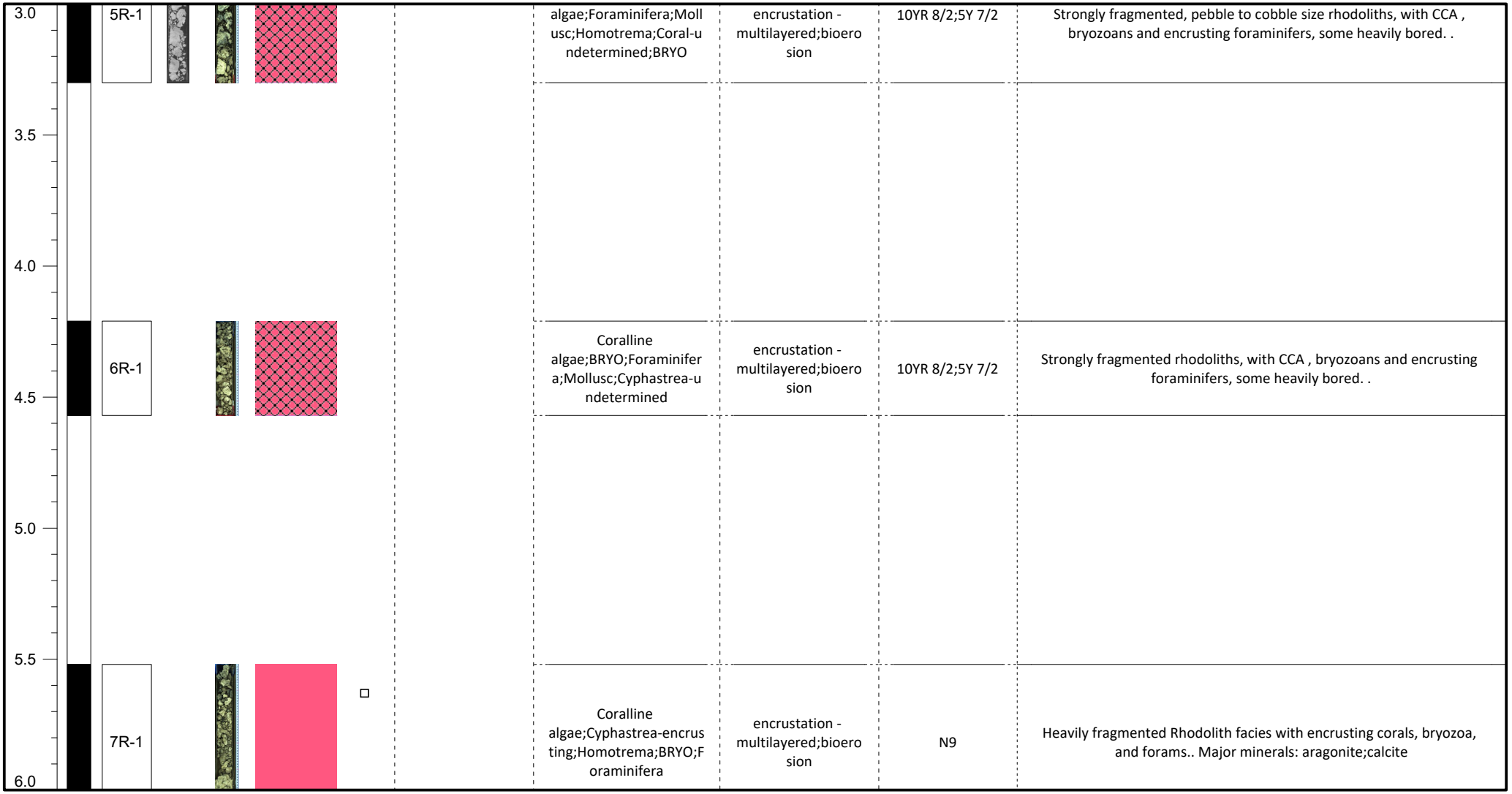

Grain size	Fossils	Taphonomy	Color	Visual core description
	algae;Foraminifera;Mollusc;Homotrema;Coral-undetermined;BRYO	encrustation - multilayered;bioerosion	10YR 8/2;5Y 7/2	Strongly fragmented, pebble to cobble size rhodoliths, with CCA , bryozoans and encrusting foraminifers, some heavily bored. .
	Coralline algae;BRYO;Foraminifera;Mollusc;Cyphastrea-undetermined	encrustation - multilayered;bioerosion	10YR 8/2;5Y 7/2	Strongly fragmented rhodoliths, with CCA , bryozoans and encrusting foraminifers, some heavily bored. .
	Coralline algae;Cyphastrea-encrusting;Homotrema;BRYO;Foraminifera	encrustation - multilayered;bioerosion	N9	Heavily fragmented Rhodolith facies with encrusting corals, bryozoa, and forams.. Major minerals: aragonite;calcite

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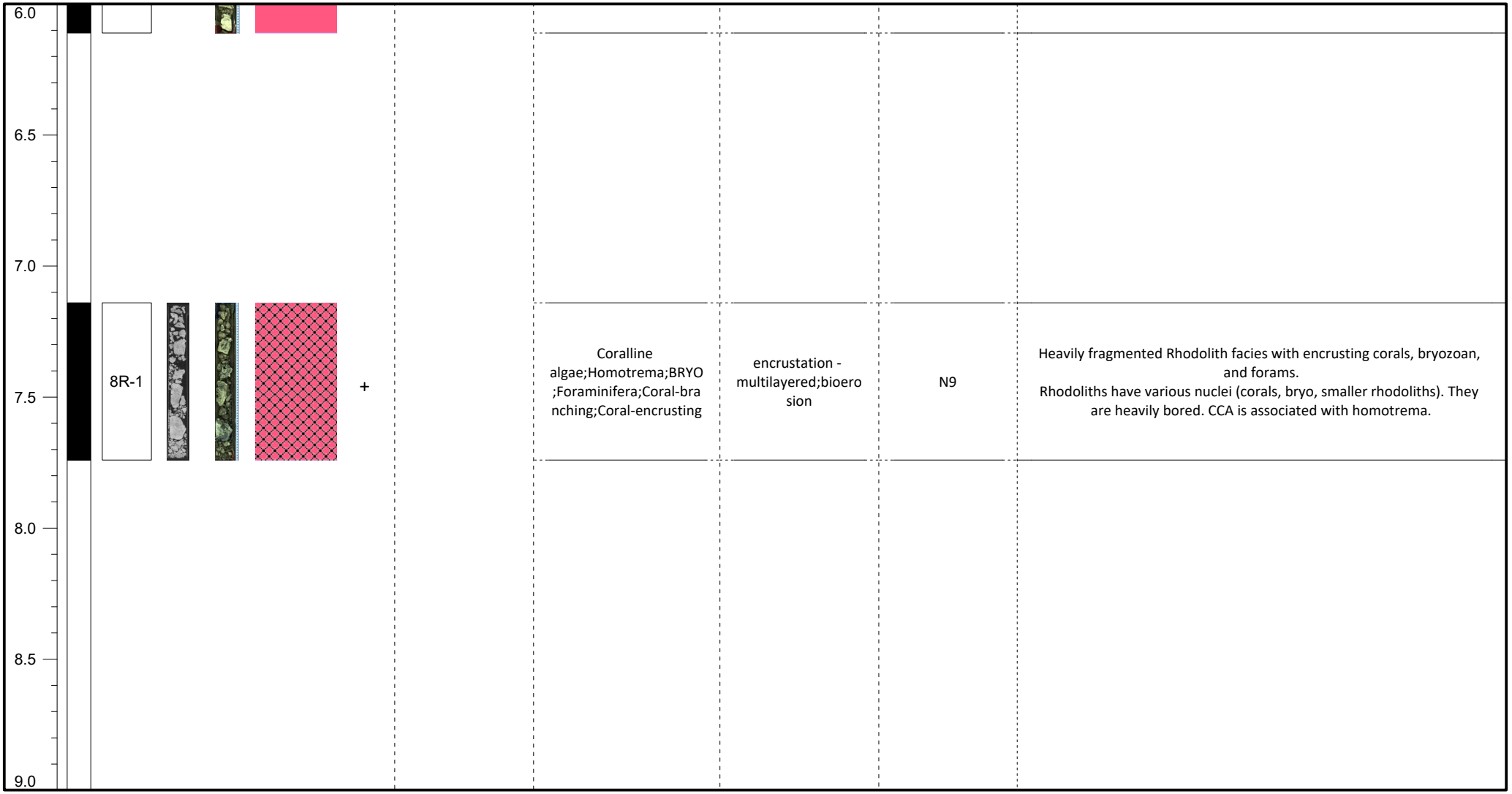

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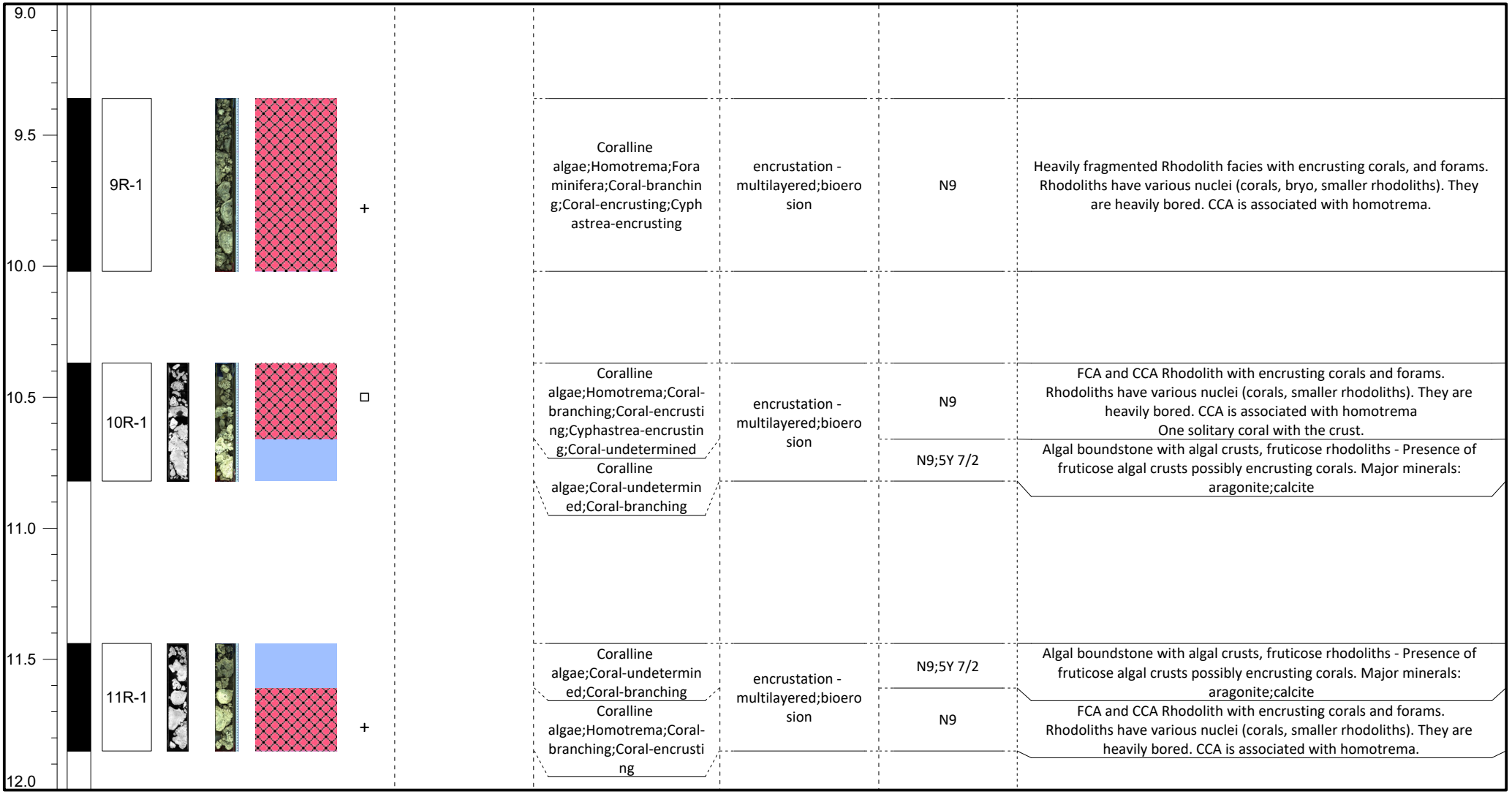

Grain size	Fossils	Taphonomy	Color	Visual core description
	Coralline algae;Homotrema;Foraminifera;Coral-branching;Coral-encrusting;Cyphastrea-encrusting	encrustation - multilayered;bioerosion	N9	Heavily fragmented Rhodolith facies with encrusting corals, and forams. Rhodoliths have various nuclei (corals, bryo, smaller rhodoliths). They are heavily bored. CCA is associated with homotrema.
	Coralline algae;Homotrema;Coral-branching;Coral-encrusting;Cyphastrea-encrusting;Coral-undetermined	encrustation - multilayered;bioerosion	N9	FCA and CCA Rhodolith with encrusting corals and forams. Rhodoliths have various nuclei (corals, smaller rhodoliths). They are heavily bored. CCA is associated with homotrema One solitary coral with the crust.
	Coralline algae;Coral-undetermined;Coral-branching		N9;5Y 7/2	Algal boundstone with algal crusts, fruticose rhodoliths - Presence of fruticose algal crusts possibly encrusting corals. Major minerals: aragonite;calcite
	Coralline algae;Coral-undetermined;Coral-branching	encrustation - multilayered;bioerosion	N9;5Y 7/2	Algal boundstone with algal crusts, fruticose rhodoliths - Presence of fruticose algal crusts possibly encrusting corals. Major minerals: aragonite;calcite
	Coralline algae;Homotrema;Coral-branching;Coral-encrusting		N9	FCA and CCA Rhodolith with encrusting corals and forams. Rhodoliths have various nuclei (corals, smaller rhodoliths). They are heavily bored. CCA is associated with homotrema.

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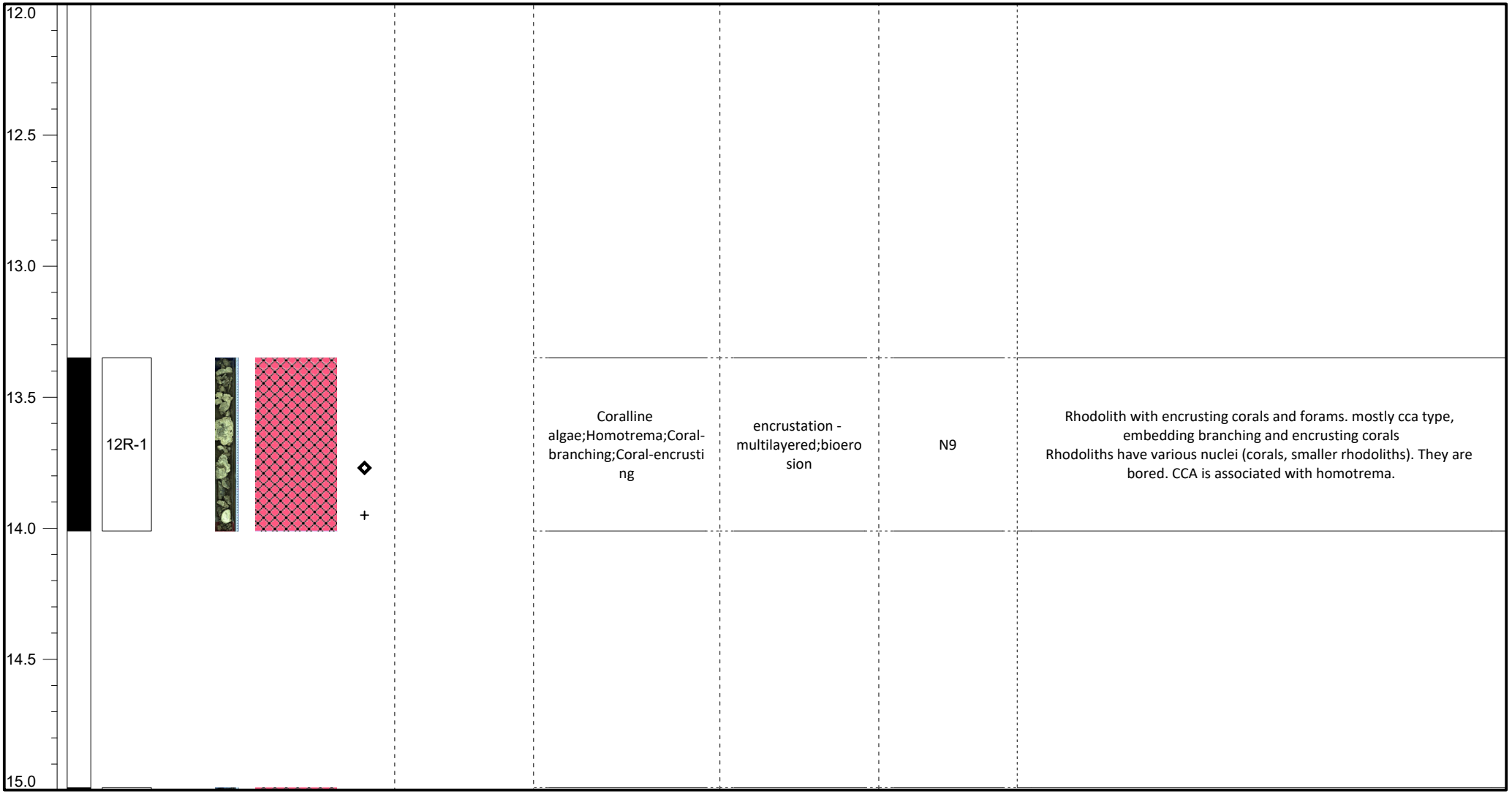

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Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
15.0		13R-1						Coralline algae;Homotrema;Coral-branching;Coral-encrusting	encrustation - multilayered;bioerosion	N9	Rhodolith (20-40 cm diameter) with occasional encrusting corals and forams. mostly cca type, embedding branching and encrusting corals Rhodoliths have various nuclei (corals, smaller rhodoliths). They are bored. CCA is associated with homotrema.
15.5		14R-1						Coralline algae;Homotrema;Coral-branching;Coral-encrusting;Poritidae-branching; Cyphastrea-undetermined	encrustation - multilayered;bioerosion	N9	Rhodolith (20-40 cm diameter) with dominantly coral nuclei and forams. mostly cca type, embedding branching and encrusting corals Rhodoliths are bored. CCA is associated with homotrema.
16.0											
16.5											
17.0											
17.5											
18.0											

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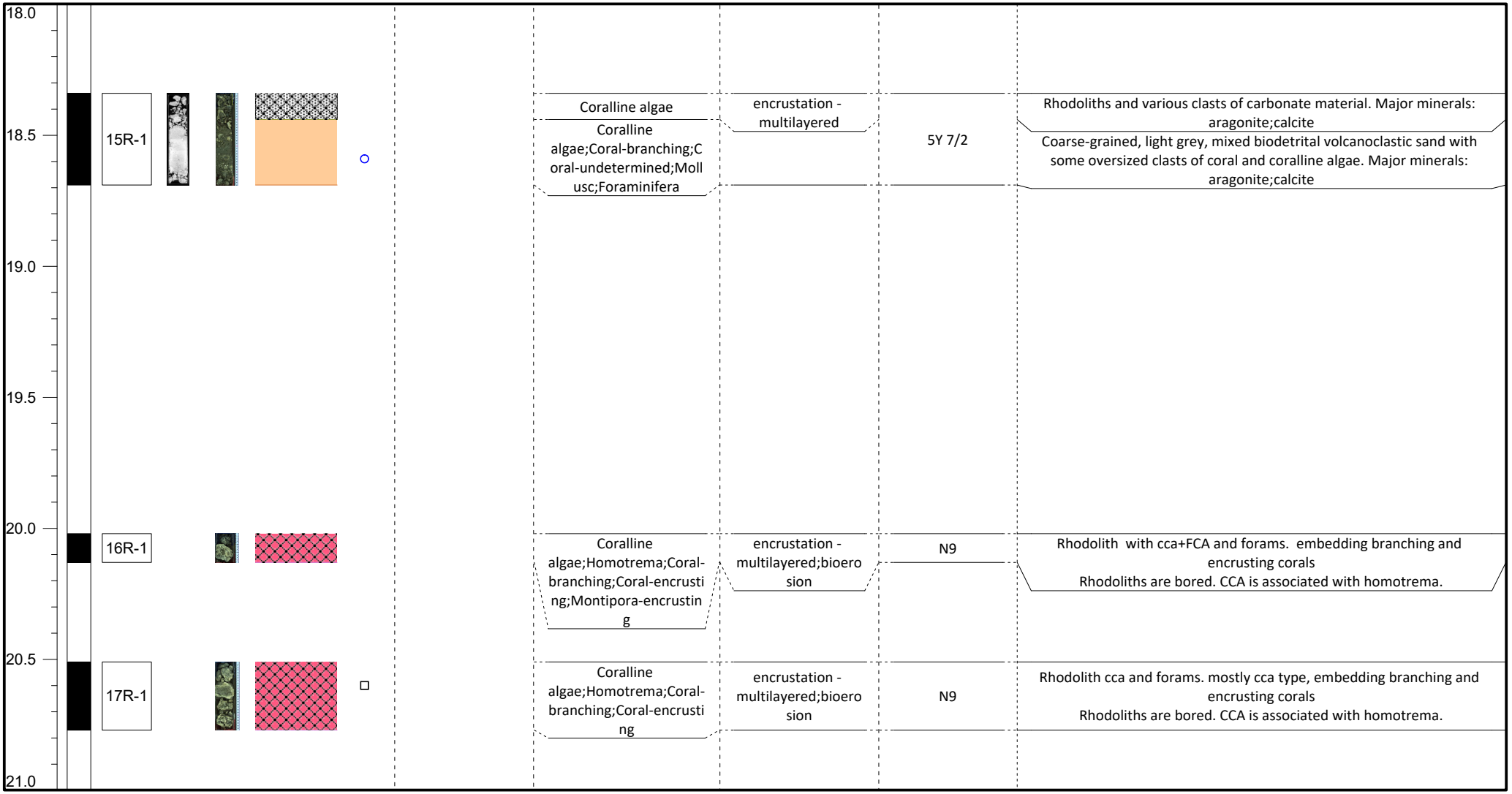

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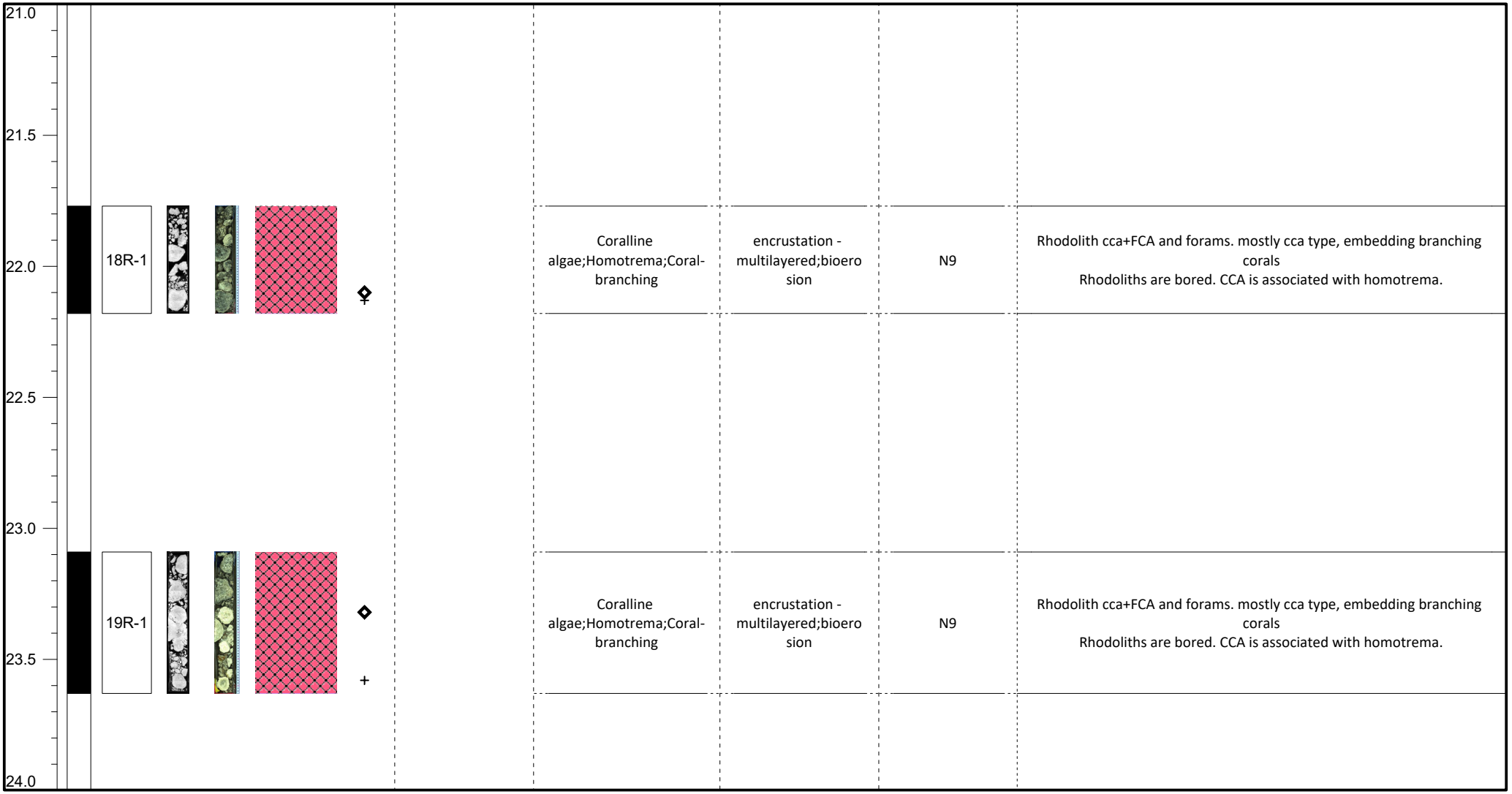

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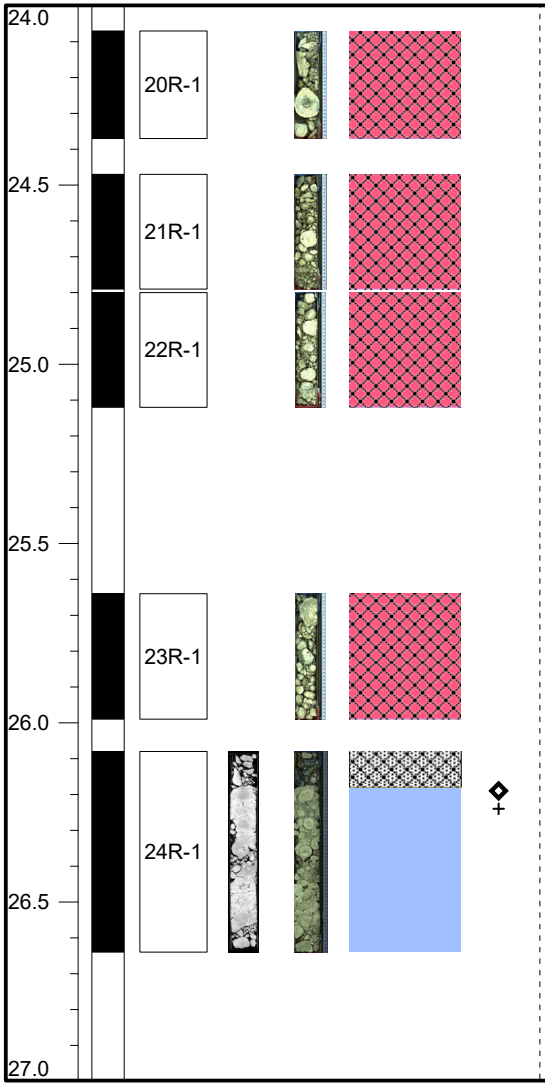

Grain size	Fossils	Taphonomy	Color	Visual core description
	Coralline algae;Homotrema;Coral-branching	encrustation - multilayered;bioerosion	N9	Rhodolith cca+FCA and forams, embedding branching corals Rhodoliths are bored. CCA is associated with homotrema.
	Coralline algae;Homotrema	encrustation - multilayered;bioerosion	N9	Loose Rhodolith cca+FCA and forams Rhodoliths are bored. CCA is associated with homotrema.
	Coralline algae;Homotrema;Coral-branching;Porites-branching	encrustation - multilayered;bioerosion	N9	Rhodolith cca+FCA and forams, embedding branching corals Rhodoliths are bored. CCA is associated with homotrema Some soft biodetrtal sediment at the base .
	Coralline algae;Coral-branching	encrustation - multilayered;bioerosion	N9	Rhodolith cca and forams, embedding branching corals Rhodoliths are bored. CCA is associated with homotrema.
	Coralline algae;Gastropod	encrustation - multilayered	10YR 8/2	Fall in Top core disturbed. - with dark grey piece of burned carbonate..
	Coralline algae;Coral-branching;Foraminifera;Mollusc;Coral-undetermined		10YR 8/2;5Y 7/2	Rhodolith bounded by algal crusts with packstone matrix inter-layered with loose rhodoliths. Possibly some matrix dark grey grains could be volcanoclastics (?) Nuclues of rhodolith is coral in some instances .

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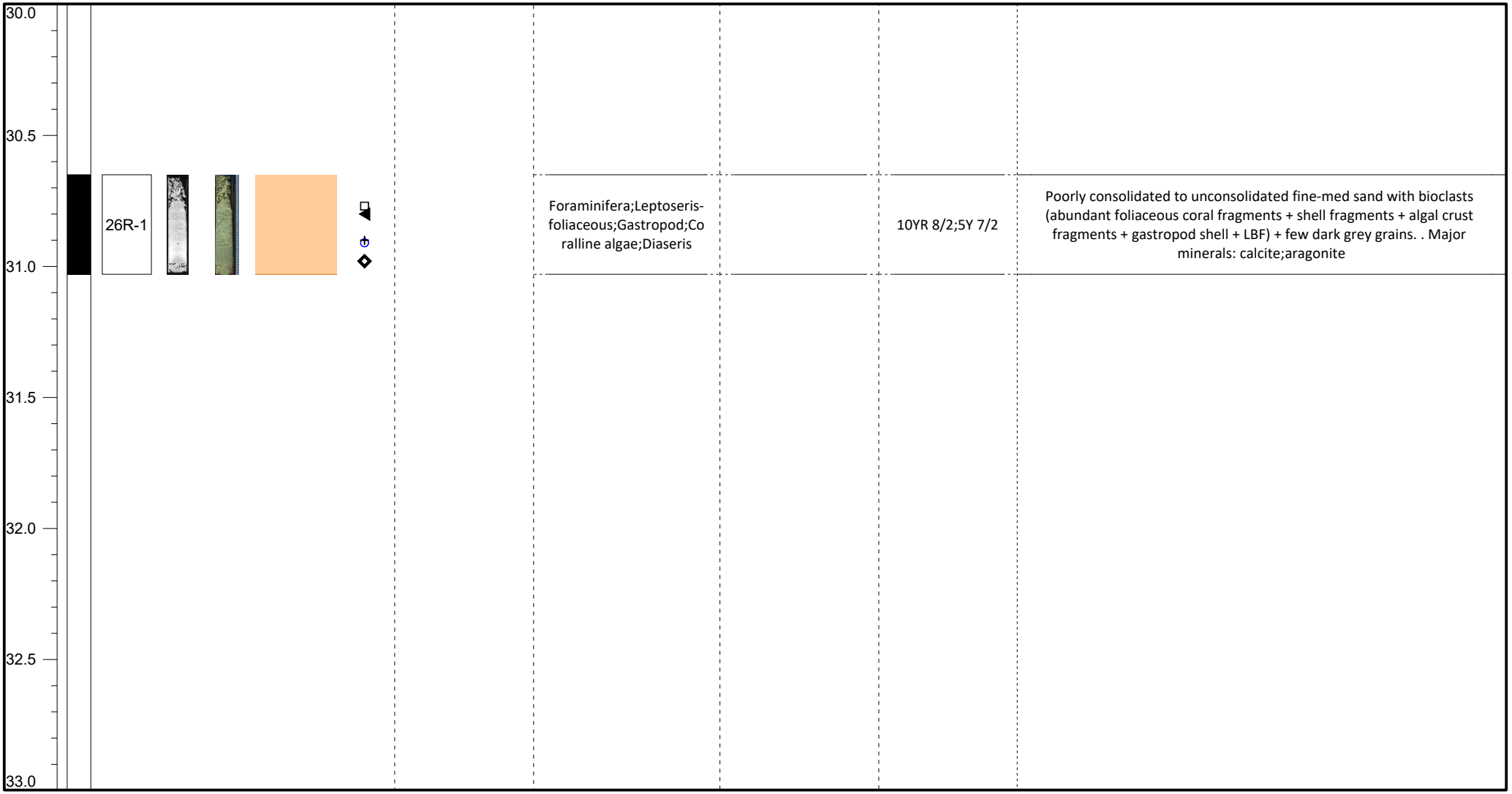

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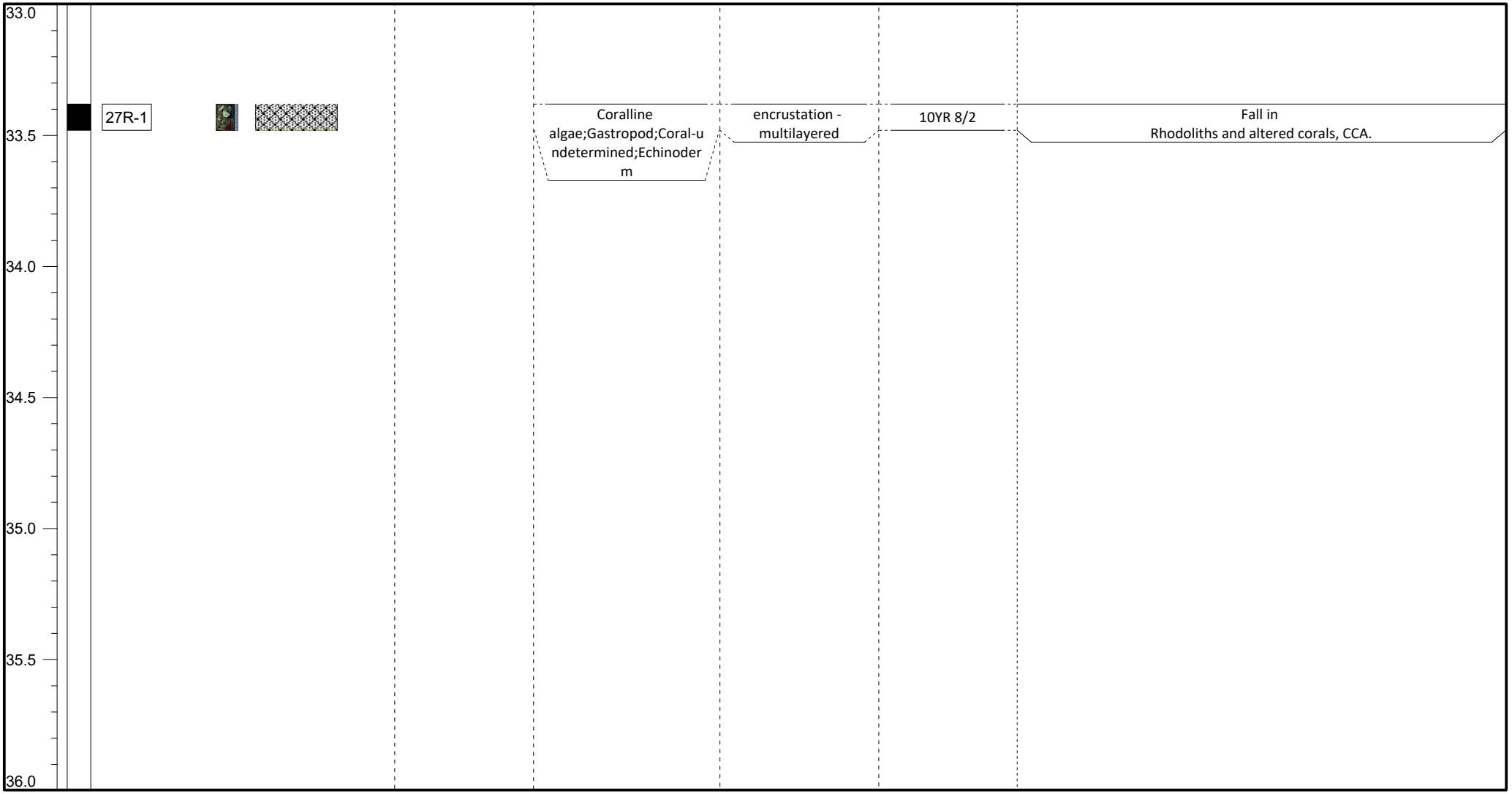

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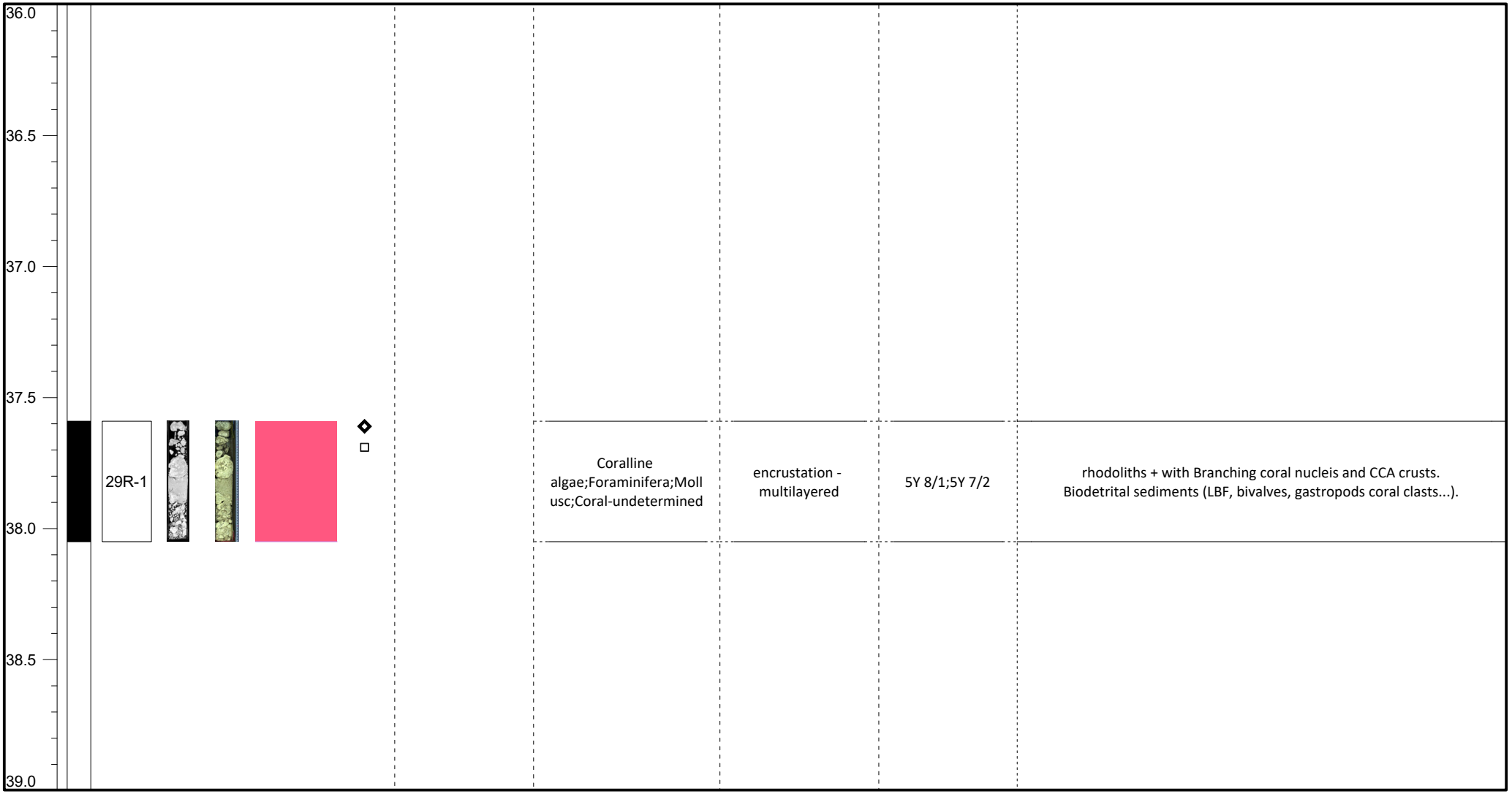

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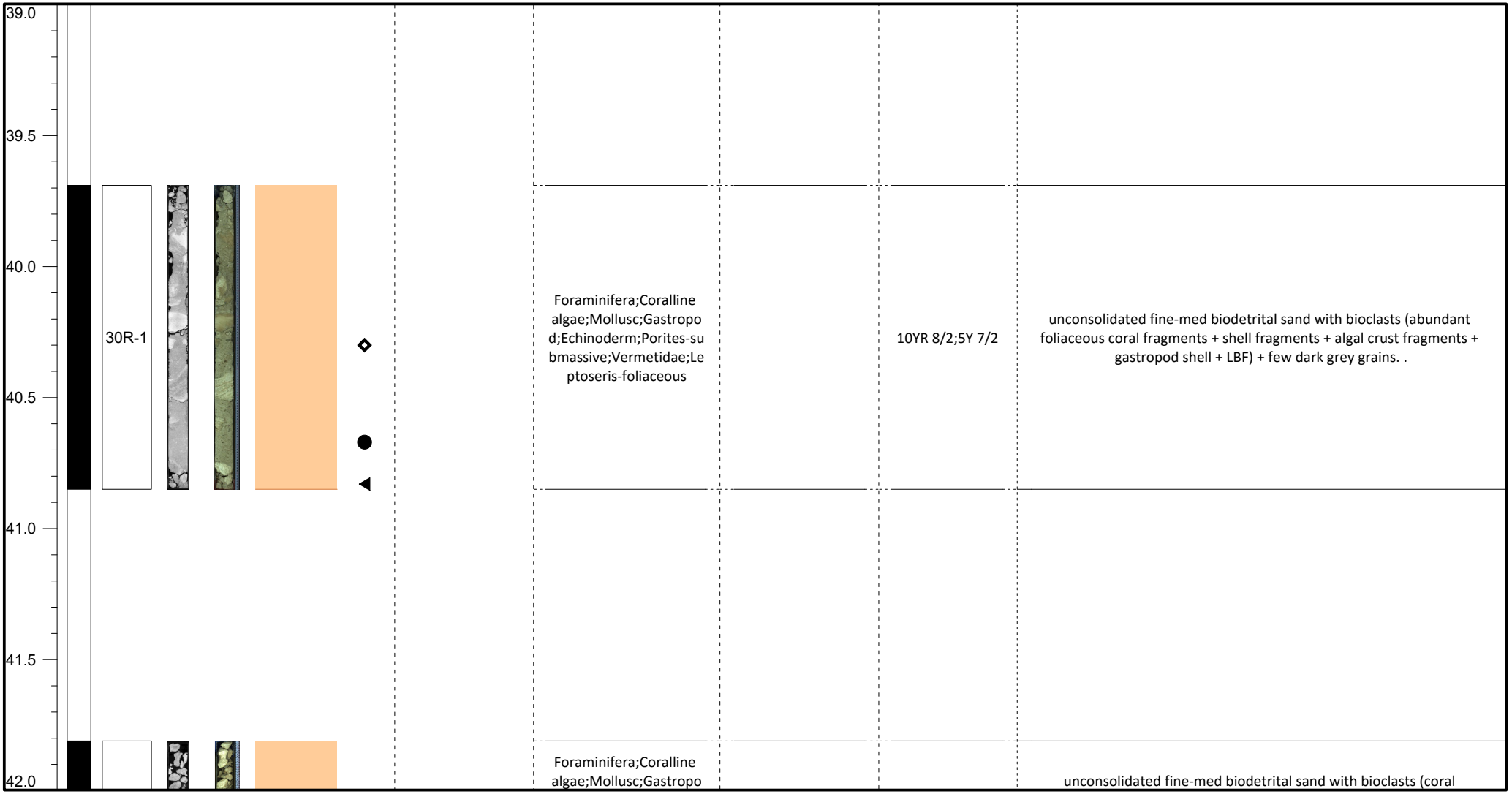

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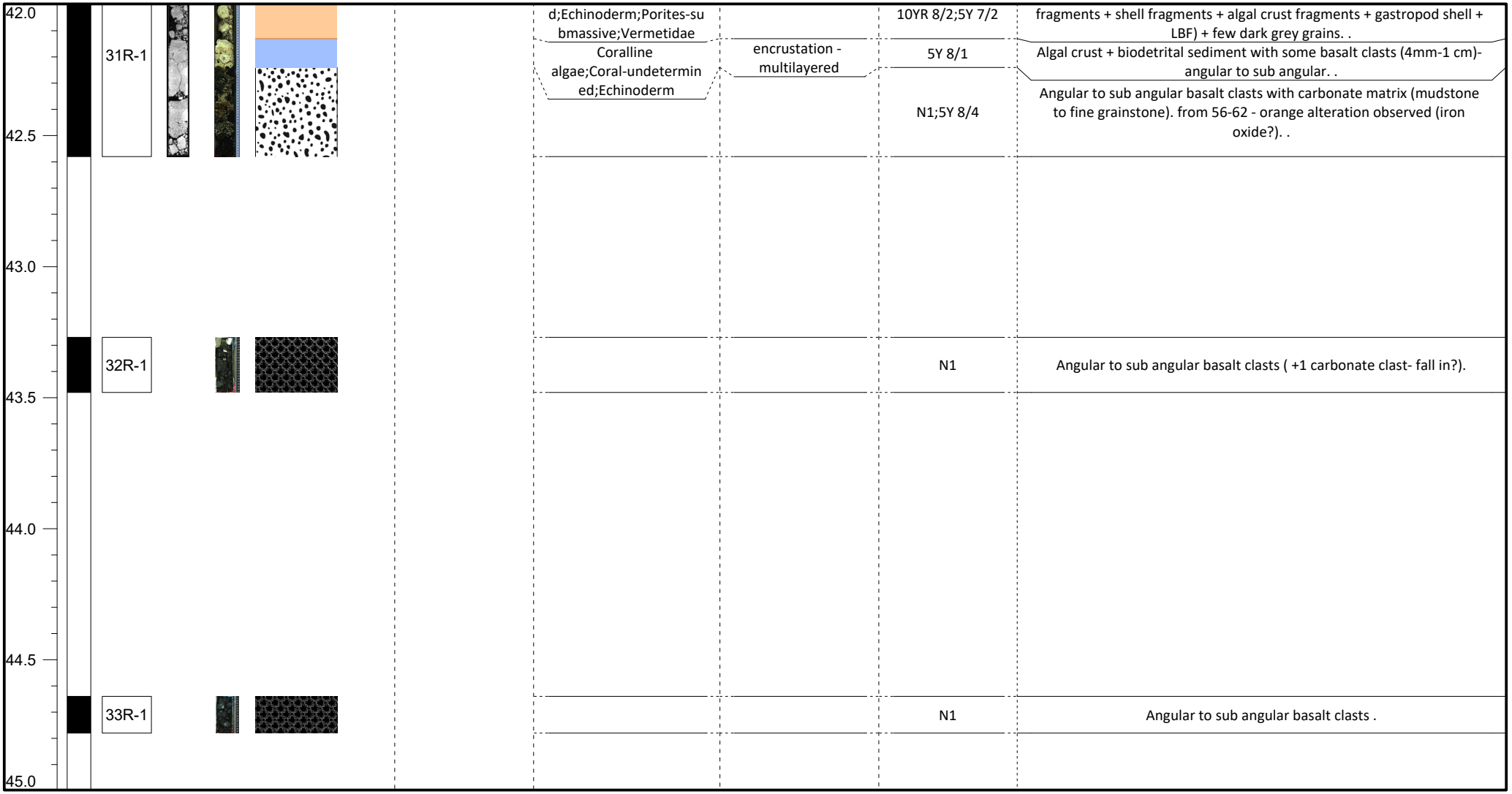

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