

# Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

## Coral

RRID:SCR\_011849

Type: Tool

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### Proper Citation

Coral (RRID:SCR\_011849)

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### Resource Information

**URL:** <http://www.cs.helsinki.fi/u/lmsalmel/coral/>

**Proper Citation:** Coral (RRID:SCR\_011849)

**Description:** An error correction algorithm for correcting reads from DNA sequencing platforms such as the Illumina Genome Analyzer or HiSeq platforms or Roche/454 Genome Sequencer.

**Abbreviations:** Coral

**Resource Type:** software resource

**Defining Citation:** [PMID:21471014](#)

**Resource Name:** Coral

**Resource ID:** SCR\_011849

**Alternate IDs:** OMICS\_01099

**Record Creation Time:** 20220129T080307+0000

**Record Last Update:** 20260815T182440+0000

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### Ratings and Alerts

No rating or validation information has been found for Coral.

No alerts have been found for Coral.

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### Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 210 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#) .

Xie S, et al. (2026) A dual context-aware basecaller for nanopore direct RNA sequencing. *Nature communications*, 17(1), 1851.

Turewicz M, et al. (2025) Temporal phosphoproteomics reveals circuitry of phased propagation in insulin signaling. *Nature communications*, 16(1), 1570.

Guerra JPL, et al. (2023) Controlled modulation of the dynamics of the *Deinococcus grandis* Dps N-terminal tails by divalent metals. *Protein science : a publication of the Protein Society*, 32(2), e4567.

Songco A, et al. (2023) Social and cognitive vulnerability to COVID-19-related stress in pregnancy: A case-matched-control study of antenatal mental health. *Journal of affective disorders*, 325, 739.

Schweizer S, et al. (2023) Association of Antenatal COVID-19-Related Stress With Postpartum Maternal Mental Health and Negative Affectivity in Infants. *JAMA network open*, 6(3), e232969.

Edgar B, et al. (2023) The impact of renal artery stenting on therapeutic aims. *Journal of human hypertension*, 37(4), 265.

Lee LH, et al. (2023) Machine learning for accurate estimation of fetal gestational age based on ultrasound images. *NPJ digital medicine*, 6(1), 36.

Hussien AA, et al. (2023) The Stiffness-Sensitive Transcriptome of Human Tendon Stromal Cells. *Advanced healthcare materials*, 12(7), e2101216.

Byrne S, et al. (2023) Social communication skill attainment in babies born during the COVID-19 pandemic: a birth cohort study. *Archives of disease in childhood*, 108(1), 20.

Gijsbers A, et al. (2023) The crystal structure of the EspB-EspK virulence factor-chaperone complex suggests an additional type VII secretion mechanism in *Mycobacterium tuberculosis*. *The Journal of biological chemistry*, 299(1), 102761.

Hay IM, et al. (2023) Determinants of receptor tyrosine phosphatase homophilic adhesion: Structural comparison of PTPRK and PTPRM extracellular domains. *The Journal of biological chemistry*, 299(1), 102750.

Paoletti F, et al. (2023) Distinct conformational changes occur within the intrinsically unstructured pro-domain of pro-Nerve Growth Factor in the presence of ATP and Mg<sup>2+</sup>. *Protein science : a publication of the Protein Society*, 32(2), e4563.

Xia P, et al. (2022) Structural basis of cyclic oligoadenylate binding to the transcription factor Csa3 outlines cross talk between type III and type I CRISPR systems. *The Journal of biological chemistry*, 298(2), 101591.

Kumar P, et al. (2022) CORAL: Development of a hybrid descriptor based QSTR model to predict the toxicity of dioxins and dioxin-like compounds with correlation intensity index and consensus modelling. *Environmental toxicology and pharmacology*, 93, 103893.

Jehle S, et al. (2022) A human kinase yeast array for the identification of kinases modulating phosphorylation-dependent protein-protein interactions. *Molecular systems biology*, 18(3), e10820.

Migliavacca J, et al. (2022) Cooperation of Striatin 3 and MAP4K4 promotes growth and tissue invasion. *Communications biology*, 5(1), 795.

de Nola G, et al. (2022) Dimerization of kringle 1 domain from hepatocyte growth factor/scatter factor provides a potent MET receptor agonist. *Life science alliance*, 5(12).

Daneshjou R, et al. (2022) Disparities in dermatology AI performance on a diverse, curated clinical image set. *Science advances*, 8(32), eabq6147.

Novichkov PS, et al. (2022) CORAL: A framework for rigorous self-validated data modeling and integrative, reproducible data analysis. *GigaScience*, 11.

Kumar S, et al. (2022) Amoxicillin impact on pathophysiology induced by short term high salt diet in mice. *Scientific reports*, 12(1), 19351.