

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 14, 2026

Coral

RRID:SCR_011849

Type: Tool

Proper Citation

Coral (RRID:SCR_011849)

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: 20260912T195741+0000

Ratings and Alerts

No rating or validation information has been found for Coral.

No alerts have been found for Coral.

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 [SPARC SAWG](#) .

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 Mg²⁺. 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.