

# Resource Summary Report

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## InterSpecies Analysing Application using Containers

RRID:SCR\_006243

Type: Tool

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### Proper Citation

InterSpecies Analysing Application using Containers (RRID:SCR\_006243)

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### Resource Information

**URL:** <http://isaac.bioapps.biozentrum.uni-wuerzburg.de/isaac/modules/genome/species.xhtml>

**Proper Citation:** InterSpecies Analysing Application using Containers (RRID:SCR\_006243)

**Description:** Web based tool to enable the analysis of sets of genes, transcripts and proteins under different biological viewpoints and to interactively modify these sets at any point of the analysis. Detailed history and snapshot information allows tracing each action. One can switch back to previous states and perform new analyses. Sets can be viewed in the context of genomes, protein functions, protein interactions, pathways, regulation, diseases and drugs. Additionally, users can switch between species with an automatic, orthology based translation of existing gene sets. Sets as well as results of analyses can be exchanged between members of groups.

**Abbreviations:** ISAAC

**Synonyms:** ISAAC (Interspecies Analysing Application using Containers), ISAAC - InterSpecies Analysing Application using Containers, Interspecies Analysing Application using Containers - ISAAC

**Resource Type:** production service resource, data analysis service, analysis service resource, service resource, software resource

**Defining Citation:** [PMID:24428905](#)

**Keywords:** protein function, protein interaction, pathway, mirna, disease, drug, gene, genome, transcript, protein, regulation

**Resource Name:** InterSpecies Analysing Application using Containers

**Resource ID:** SCR\_006243

**Alternate IDs:** OMICS\_02237

**Record Creation Time:** 20220129T080235+0000

**Record Last Update:** 20260804T043257+0000

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## Ratings and Alerts

No rating or validation information has been found for InterSpecies Analysing Application using Containers.

No alerts have been found for InterSpecies Analysing Application using Containers.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Tsai YG, et al. (2025) Long-term PM2.5 exposure impairs lung growth and increases airway inflammation in Taiwanese school children. ERJ open research, 11(4).

Ezquina SAM, et al. (2025) Rare germline genetic variation in PAX8 transcription factor binding sites and susceptibility to epithelial ovarian cancer. American journal of epidemiology, 194(4), 1023.

Rodney RM, et al. (2024) Prevalence of asthma and wheeze among preschool and school-aged children in Africa: A meta-analysis. Public health challenges, 3(2), e199.

Sosinsky A, et al. (2024) Insights for precision oncology from the integration of genomic and clinical data of 13,880 tumors from the 100,000 Genomes Cancer Programme. Nature medicine, 30(1), 279.

Brazhnikov G, et al. (2023) Natural human Bet v 1-specific IgG antibodies recognize non-conformational epitopes whereas IgE reacts with conformational epitopes. Allergy, 78(12), 3136.

Goth FEM, et al. (2023) From neonatal lung function to lung function and respiratory morbidity at 6-year follow-up. Pediatric pulmonology, 58(2), 566.

Strachan DP, et al. (2022) Worldwide time trends in prevalence of symptoms of rhinoconjunctivitis in children: Global Asthma Network Phase I. Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology, 33(1), e13656.

Reijns MAM, et al. (2022) Signatures of TOP1 transcription-associated mutagenesis in cancer and germline. *Nature*, 602(7898), 623.

Wei W, et al. (2022) Nuclear-embedded mitochondrial DNA sequences in 66,083 human genomes. *Nature*, 611(7934), 105.

Taha I, et al. (2022) Phenotypic Variation in Two Siblings Affected with Shwachman-Diamond Syndrome: The Use of Expert Variant Interpreter (eVai) Suggests Clinical Relevance of a Variant in the KMT2A Gene. *Genes*, 13(8).

Mpairwe H, et al. (2021) Risk factors associated with rhinitis, allergic conjunctivitis and eczema among schoolchildren in Uganda. *Clinical and experimental allergy : journal of the British Society for Allergy and Clinical Immunology*, 51(1), 108.

Yusuf RA, et al. (2021) Study Protocol to Determine Association between Environmental Triggers and Asthma among Children in King Williams Town. *Methods and protocols*, 4(3).

Wei R, et al. (2021) Mitochondrial DNA Content Is Linked to Cardiovascular Disease Patient Phenotypes. *Journal of the American Heart Association*, 10(4), e018776.

Arrais M, et al. (2021) Lack of Consistent Association between Asthma, Allergic Diseases, and Intestinal Helminth Infection in School-Aged Children in the Province of Bengo, Angola. *International journal of environmental research and public health*, 18(11).

Pedersen CJ, et al. (2021) Prevalence and psychosocial impact of atopic dermatitis in Bangladeshi children and families. *PloS one*, 16(4), e0249824.

Pazini F, et al. (2020) RELATIONSHIP BETWEEN SCHOOLCHILDREN'S LEVELS OF PHYSICAL ACTIVITY, ANTHROPOMETRIC INDICES AND PULMONARY FUNCTION. *Revista paulista de pediatria : orgao oficial da Sociedade de Pediatria de Sao Paulo*, 39, e2019189.

Del-Rio-Navarro BE, et al. (2020) The burden of asthma in an inner-city area: A historical review 10??years after Isaac. *The World Allergy Organization journal*, 13(1), 100092.

Silverwood RJ, et al. (2019) Are environmental risk factors for current wheeze in the International Study of Asthma and Allergies in Childhood (ISAAC) phase three due to reverse causation? *Clinical and experimental allergy : journal of the British Society for Allergy and Clinical Immunology*, 49(4), 430.

Huang HJ, et al. (2019) A hypoallergenic peptide mix containing T cell epitopes of the clinically relevant house dust mite allergens. *Allergy*, 74(12), 2461.

Pan B, et al. (2019) Similarities and differences between variants called with human reference genome HG19 or HG38. *BMC bioinformatics*, 20(Suppl 2), 101.