Resource Summary Report

Generated by dkNET on May 20, 2025

Allergen Database for Food Safety

RRID:SCR_008626
Type: Tool

Proper Citation

Allergen Database for Food Safety (RRID:SCR_008626)

Resource Information

URL: http://allergen.nihs.go.jp/ADFS/

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Description: ADFS is a web server system that integrates a database of allergenic proteins for food safety. This allergen database for food safety was launched as a project of the Novel Foods and Immunochemistry of National Institute of Health Sciences, and this project was partly supported by a grant from the Ministry of Health, Labor and Welfare. To survey the sequence homology in assessing a potential of allergenicity of a protein in the food, the database has been constructed to include known allergens and B-cell epitope sequences. This database includes 13 (aero animal, aero fungi, aero insect, aero mite, aero plant, contact, food animal, food fungi, food plant, gliadin, protozoan, venom/salivary, and worm) categorized allergens based on allergen type in AllergenOnline, with their accession numbers, epitope information, 3D-structure information, and sugar-containing information . This site also provides sequence search tools for obtaining the sequence homology of a certain protein or peptide relating to allergens (BLAST, epitope(peptide) search). Furthermore, this site provides allergenicity prediction tools of a certain protein (FAO/WHO method, Motif-based method).

Synonyms: ADFS

Resource Type: database, data or information resource

Funding:

Resource Name: Allergen Database for Food Safety

Resource ID: SCR_008626

Alternate IDs: nif-0000-31995

Record Creation Time: 20220129T080248+0000

Record Last Update: 20250519T204801+0000

Ratings and Alerts

No rating or validation information has been found for Allergen Database for Food Safety.

No alerts have been found for Allergen Database for Food Safety.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Kadam K, et al. (2017) AllerBase: a comprehensive allergen knowledgebase. Database : the journal of biological databases and curation, 2017.

Valenta R, et al. (2015) Food allergies: the basics. Gastroenterology, 148(6), 1120.

Schein CH, et al. (2010) An Allergen Portrait Gallery: Representative Structures and an Overview of IgE Binding Surfaces. Bioinformatics and biology insights, 4, 113.