

**Common Abbreviations** [[Amino Acids](#)]

|                     |   |
|---------------------|---|
| 2D                  | two-dimensional   |
| 3D                  | three-dimensional   |
| aa                  | amino acid(s)   |
| Ab                  | antibody  |
| Act c 1, 2          | nomenclature of kiwi fruit allergens ( <i>Actinidia chinensis</i> )                   |
| Api g 1-5           | nomenclature of celery allergens ( <i>Apium graveolens</i> )                          |
| Ara h 1-7           | nomenclature of peanut allergens ( <i>Arachis hypogaea</i> )                          |
| Bos d 4, 5, 6, 7, 8 | nomenclature of cow's milk allergens ( <i>Bos domesticus</i> )                        |
| C                   | concentration of N,N'-methylenebisacrylamide (crosslinker)                            |
| Cas s 1, 5          | nomenclature of chestnut allergens ( <i>Castanea sativa</i> )                         |
| CAST                | cellular antigen stimulation test   |
| CCD                 | cross-reactive carbohydrate determinants  |
| CICBAA              | Cercle d'Investigations Cliniques et Biologiques en Allergologie Alimentaire (France) |
| CIE                 | crossed immunoelectrophoresis   |
| cIEF                | capillary isoelectric focussing   |
| CLA                 | cutaneous lymphocyte antigen  |
| CLIE                | crossed line immunoelectrophoresis  |
| CMA                 | cow's milk allergy  |
| CNBr                | cyanogen bromide  |
| CRIE                | crossed radioimmunolectrophoresis   |
| Cor a 1             | nomenclature of hazel pollen allergens ( <i>Corylus avellana</i> )                    |
| Cyn d 1             | nomenclature of bermuda grass pollen allergens ( <i>Cynodus dactylus</i> )            |
| DBPCFC              | double-blind, placebo-controlled food challenge                                       |
| DEAE                | diethylaminoethyl (cellulose) (anion exchanger)                                       |
| DNA                 | deoxyribonucleic acid   |
| DTT                 | dithiothreitol  |
| EAST                | enzyme allergosorbent test  |
| EC                  | enzyme classification system  |
| EDTA                | ethylenediaminetetraacetic acid, disodium salt  |
| ELISA               | enzyme linked immunosorbent assay   |
| EW                  | egg white   |
| FEIA                | fluorescence enzyme immunosorbent assay   |
| Fuc                 | fucose  |
| Gad c 1             | nomenclature of baltic cod allergen ( <i>Gadus callarias</i> )                        |
| Gal                 | galactose   |
| Gal d 1-5           | nomenclature of egg allergens ( <i>Gallus domesticus</i> )                            |
| GlcN                | glucosamine   |
| GlcNAc              | N-acetylglucosamine   |
| Gly m 1, 2, 3       | nomenclature of soybean allergens ( <i>Glycine max</i> )                              |
| GST                 | glutathione-S-transferase   |
| Hel a 1-2           | nomenclature of sunflower allergens ( <i>Helianthus annuus</i> )                      |
| Hev b 1-10          | nomenclature of latex allergens ( <i>Hevea brasiliensis</i> )                         |
| HLA                 | human leucocyte antigen   |

|                    |  |
|--------------------|--|
| Hol l 1            | nomenclature of sweet velvet grass allergens ( <i>Holcus lanatus</i> ) |
| HPLC               | high performance liquid chromatography                                 |
| HPS                | hydrophobic protein of soybean   |
| HR                 | Histamine Release  |
| IEC                | ion exchange chromatography  |
| IEF                | isoelectric focussing  |
| Ig                 | immunoglobulin   |
| IL                 | interleukin  |
| INF-gamma          | interferon-gamma   |
| LFC                | labial food challenge  |
| Lol p 1            | nomenclature of rye grass allergens ( <i>Lolium perenne</i> )          |
| LTA4               | leukotriene A4   |
| LTB4               | leukotriene B4   |
| LTC4               | leukotriene C4   |
| LTP                | lipid transfer protein   |
| LY                 | lysozyme   |
| Man                | mannose  |
| Man i 1, 2         | nomenclature of mango allergens ( <i>Mangifera indica</i> )            |
| Mal d 1, 2, 3      | nomenclature of apple fruit allergens ( <i>Malus domestica</i> )       |
| MALDI-MS           | matrix-assisted laser-induced desorption/ionization mass spectrometry  |
| MAST               | multiple allergen sorbent test   |
| MHC                | major histocompatibility complex                                       |
| Mr                 | molecular mass   |
| Mus a 1            | nomenclature of banana allergens ( <i>Musa spp.</i> )                  |
| NeuNAc             | N-acetylneuraminic acid  |
| NMR                | nuclear magnetic resonance (spectroscopy)                              |
| NPV                | negative predictive value  |
| NRL                | natural rubber latex   |
| OA                 | ovalbumin  |
| OAS                | oral allergy syndrome  |
| OM                 | ovomuroid  |
| Ory s 1            | nomenclature of rice allergens ( <i>Oryza sativa</i> )                 |
| OT                 | ovotransferrin   |
| PAGE               | polyacrylamide gel electrophoresis                                     |
| PBMC               | peripheral blood mononuclear cells                                     |
| PBS                | phosphate buffered saline  |
| Phl p 1            | nomenclature of timothy grass allergens ( <i>Phleum pratense</i> )     |
| pI                 | isoelectric point  |
| PCA                | passive cutaneous anaphylaxis (test)                                   |
| PCR                | polymerase chain reaction  |
| PK test            | Prausnitz-Küstner test   |
| PPT                | prick to prick test (skin test with fresh foods)                       |
| PPV                | positive predictive value  |
| Prs a 1 (Pers a 1) | nomenclature of avocado allergens ( <i>Persea americana</i> )          |
| Pru av 1, 2, 4     | nomenclature of sweet cherry allergens ( <i>Prunus avium</i> )         |

|            |   |
|------------|---|
| Pru p 3    | nomenclature of peach allergens ( <i>Prunus persica</i> )   |
| PVDF       | polyvinyliden difluoride                                    |
| PVPP       | polyvinyl polypyrrolidone                                   |
| RAST       | radioallergosorbent test                                    |
| RBL cells  | rat basophil leukaemia cells                                |
| RIEP       | radioimmuno-electrophoresis                                 |
| RNA        | ribonucleic acid  |
| RT         | room temperature  |
| SAFT       | skin application food test                                  |
| SBPCFC     | single-blind placebo-controlled food challenge              |
| SDS        | sodium dodecylsulfate                                       |
| SEC        | size exclusion chromatography                               |
| Ses i 1    | nomenclature of sesame allergens ( <i>Sesamum indicum</i> ) |
| SPT        | skin prick test   |
| T          | total acrylamide concentration                              |
| TCC        | T-cell clone  |
| TCL        | T-cell line   |
| TGF-beta-1 | transforming growth factor beta-1                           |
| TH         | thermolysin   |
| TNF-alpha  | tumor necrosis factor alpha                                 |
| TR         | trypsin   |
| Tris       | tris-(hydroxymethyl)aminomethane                            |
| WgA        | wheat germ agglutinin                                       |
| Xyl        | xylose  |

### **Abbreviations of DNA-encoded Amino Acids**

|               |     |   |               |     |   |
|---------------|-----|---|---------------|-----|---|
| Alanine       | Ala | A | Leucine       | Leu | L |
| Arginine      | Arg | R | Lysine        | Lys | K |
| Asparagine    | Asn | N | Methionine    | Met | M |
| Aspartic acid | Asp | D | Phenylalanine | Phe | F |
| Cysteine      | Cys | C | Proline       | Pro | P |
| Glutamine     | Gln | Q | Serine        | Ser | S |
| Glutamic acid | Glu | E | Threonine     | Thr | T |
| Glycine       | Gly | G | Tryptophan    | Trp | W |
| Histidine     | His | H | Tyrosine      | Tyr | Y |
| Isoleucine    | Ile | I | Valine        | Val | V |