Risk assessment of novel proteins regarding their potential capacity to cause celiac disease

Ad hoc meeting with industry representatives,

23-24 October, Parma

Trusted science for safe food

efsa
European Food Safety Authority

Current situation

Main aspects to highlight

- Real harmonisation between applicants
- Overall approach followed by applicants in line with EFSA 2017 allergenicity guidance
- EFSA respected transition period
- EFSA looking forward to advancing the tool – increase trust on the assessments

Collaborative interaction with Stakeholders on achieving this major goal

Aspects requiring follow-up

- **Possible exclusion criteria (WoE approach)**
- **Development of a database**
- **HLA-DQ-peptide modelling**

Additional considerations on amino acids flanking relevant motifs

- Specific position of individual amino acids
- Nature of amino acids _ size, charge,...
- Presence/absence of highly relevant amino acids (proline, glutamine, glutamic acid,…)
- Tool should be practical (stepwise/case-by-case approach)
- EFSA internally discussing potential means on:
  - how to address these and related points
  - how to provide additional considerations that can be used by the public at large

Development of a robust database

Key elements to be further advanced

- Updates of current applicants' database are expected

A robust database will better frame what is the meaning we wish to allocate to the safety assessment

Database designed for risk assessment purposes within a defined context

Publicly available and curated regularly

Recognised inclusion criteria for the entrance of data into the database

Others...

Re-launch of the EFSA procurement

- Deadline for submission: 30th October 2019

https://www.efsa.europa.eu/en/procurement/tenders

Ongoing Closed for offers

Deadline	Reference	Title	Published
30/10/2019 14:30:59+01:00	OC/EFSA/GMO/2019/02	HLA-DQ Peptide Modelling Software	19/08/2019

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