

**Effect of transglutaminase-catalyzed glycosylation on the allergenicity of tropomyosin in *Perna viridis* food matrix**

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**Tab. S1. Specific IgE levels and symptoms of the *Perna viridis*-sensitive patients.**

No.	Age	Sex	TM-sIgE (OD <sub>450</sub> )	Symptoms
S1	27	Female	0.21	Allergic dermatitis
S2	19	Male	0.17	Diarrhea
S3	25	Female	0.19	Eczema
S4	16	Male	0.17	Cough
S5	19	Male	0.15	Allergic dermatitis
S6	27	Female	0.16	Diarrhea
S7	16	Male	0.18	Eczema
S8	26	Female	0.17	Rash all over the body
S9	28	Female	0.18	Allergic dermatitis
S10	20	Male	0.21	Urticaria
S11	24	Female	0.15	Nausea
S12	20	Male	0.16	Allergic dermatitis
S13	5	Male	0.04	No allergy symptoms
S14	30	Female	0.05	No allergy symptoms

The OD<sub>450</sub> value of positive sera is three times or more than that of negative sera.

**Tab. S2 Summary of predicted regions for IgE linear epitopes of TM**

<b>Bioinformatics tool</b>	<b>Amino acid regions</b>
Immunomedicine Group	43-49, 60-70, 83-96, 166-176, 181-211, 243-255, 266-272
ABC-pred	6-21, 12-27, 24-39, 36-51, 48-63, 64-79, 75-90, 82-97, 89-104, 96-111, 106-121, 117-132, 128-143, 134-149, 142-157, 149-164, 155-170, 161-176, 168-183, 176-191, 182-197, 192-207, 201-216, 215-230, 221-236, 237-252, 243-258, 258-273, 267-282
IEDB	29-42, 68-85, 105-126, 134-143, 153-165, 209-224, 233-245, 265-269, 271-273
DNA Star	14-43, 49-60, 63-65, 69-84, 88-90, 102-107, 112-129, 133-150, 157-164, 210-225, 227-246, 248-257, 259-268
NetMHCII version 2.3	4-13, 43-51, 93-101, 195-206, 224-233