
Article

Novel Umami Peptides from *Hypsizygus marmoreus* and Interaction with Umami Receptor T1R1/T1R3

Xiaobo Dong, Chao Wan, Aiyun Huang, Huaide Xu and Hongjie Lei *

College of Food Science and Engineering, Northwest A&F University, Xianyang 712100, China

* Correspondence: leihongjie@nwfau.edu.cn; Tel./Fax: +86-029-87092486

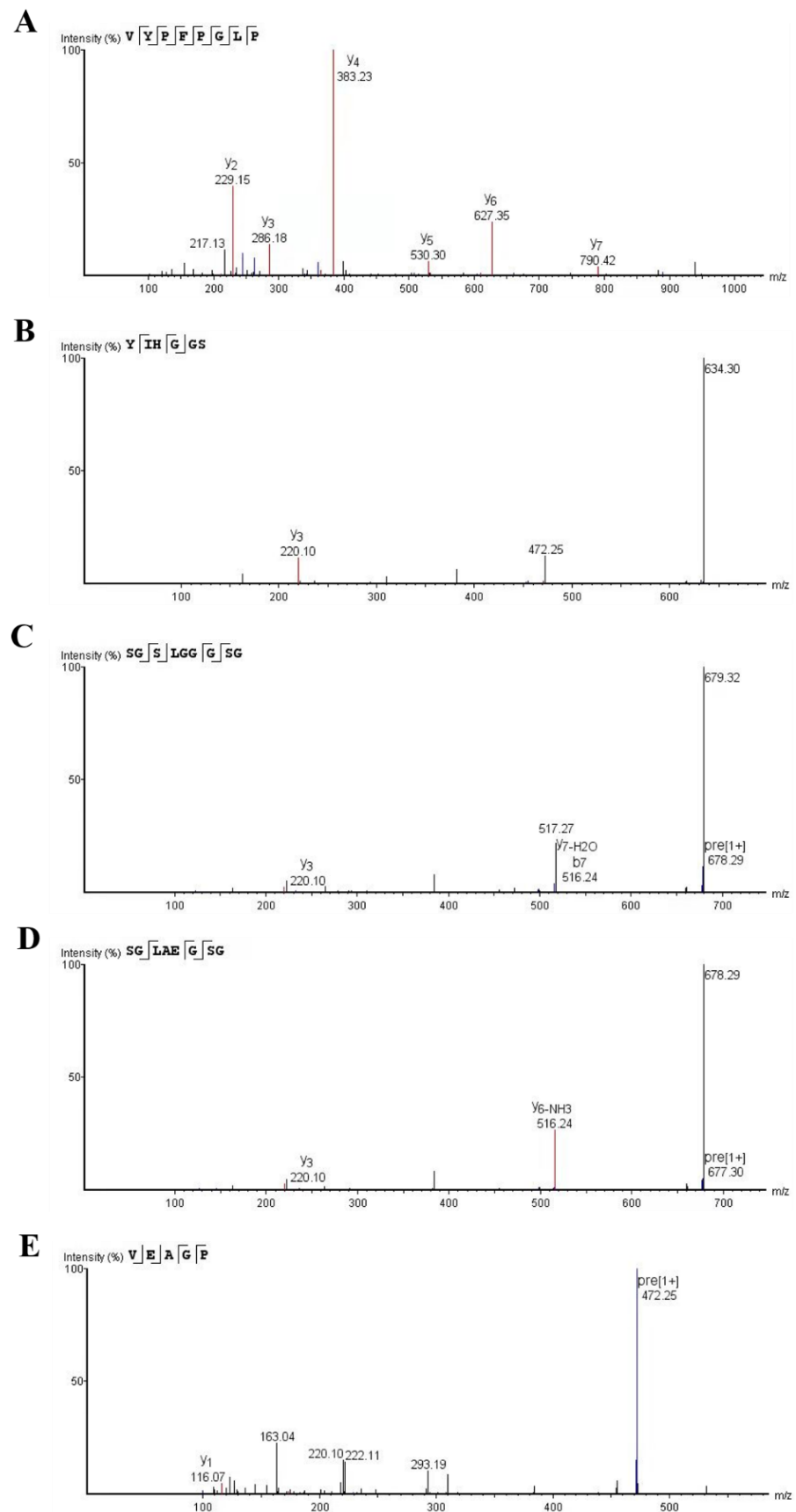


Figure S1. MS/MS spectrum of purified peptides. (A) VYPFFGPL, (B) YIHGGS, (C) SGLGGGSG, (D) SGLAEGSG, and (E) VEAGP.

Table S1. Free energy contributions of four Arg residues.

Residue	Free energy (KJ/mol)			
	ΔG_{ele}	ΔG_{vdw}	ΔG_{PB}	ΔG_{SA}
Arg151	-14.45±3.05	-0.39±0.05	-2.95±0.57	-0.00±0.01
Arg277	-122.22±4.34	-6.16±1.25	106.28±7.99	-2.72±0.05
Arg307	-9.08±0.95	-3.32±2.25	-7.15±1.98	-0.31±0.29
Arg365	-17.31±6.25	-5.91±1.30	-4.03±1.66	-1.01±0.06